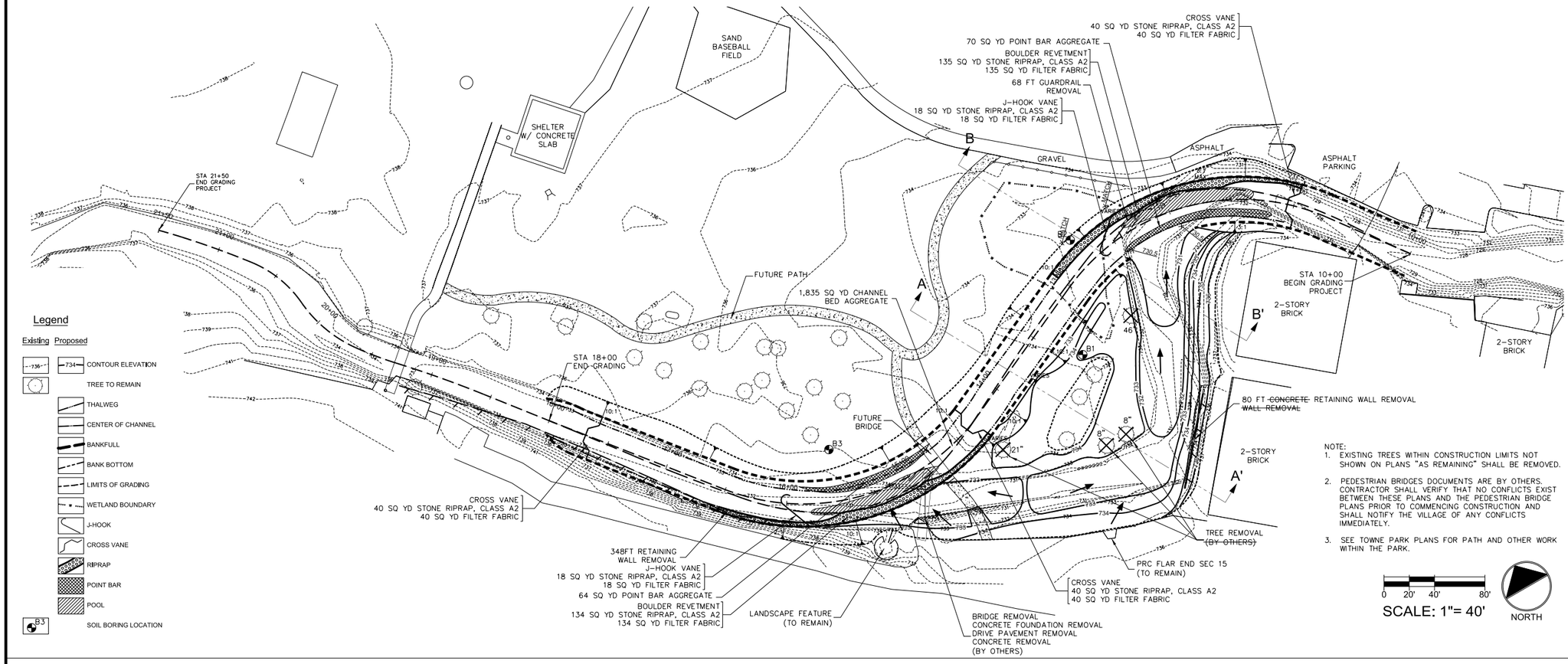

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Stream Restoration Grading Plan and Profile

Drawn By: t.e.g./EMK | AES Project No.: 09-0198 (02-527)
Checked: WWS | File Name: 020527rcst20100723_Grading.dwg
Approved: GDP | Date: 05-16-2003

Crystal Creek Realignment

Algonquin, Illinois

Village of Algonquin

125 Wilbrandt Street

Algonquin, Illinois 60102

Revisions:

No.	By	Date	Description
2	WWS	12-11-03	Regulatory Comments
3	WWS	02-04-04	Village Comments
4	WWS	11-30-09	CBBE Comments
5	WWS	02-26-10	Final AES review for ACOE submittal
6	WWS	05-28-10	ACOE & MCSWCD Comments
7	WWS	07-23-10	CTI Review - Towne Park Plans

Sheet Number
2 of 10

FILE NAME = ...\D160F72-sht-Towne Park-04.dgn	USER NAME = akw	DESIGNED - AES	REVISED -
		DRAWN - AES	REVISED -
	PLOT SCALE = 2.0000 ' / in.	CHECKED - AES	REVISED -
	PLOT DATE = 5/2/2012	DATE - 5/3/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CRYSTAL CREEK RELOCATION PLANS

SCALE: AS NOTED | SHEET NO. 2 OF 10 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	401
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

Legend

Existing	Proposed	
736		CONTOUR ELEVATION
		TREE TO REMAIN
		BANKFULL
		LIMIT OF CONSTRUCTION
		WETLAND BOUNDARY
		SEEDING EMERGENT MIX AND EMERGENT TYPE PLUGS
		SEEDING WET PRAIRIE MIX AND WET PRAIRIE TYPE PLUGS
		SEEDING MESIC PRAIRIE MIX AND MESIC PRAIRIE TYPE PLUGS
		SEEDING SAVANNA MIX AND SAVANNA TYPE PLUGS
		FENCE
		RIPRAP

NOTE:
1. FINAL LOCATION AND DESIGN OF ASPHALT HIKING PATH TO BE BY VILLAGE OF ALGONQUIN. PRELIMINARY LOCATION OF PATH IS SHOWN FOR INFORMATIONAL PURPOSES ONLY AND PATH IS NOT INCLUDED IN THIS CONTRACT.
2. IRIS VIRGINICA SHREVEI (BLUE FLAG), IN THE WET PRAIRIE PLUG LIST, SHOULD BE CONCENTRATED ALONG THE STREAM EDGE.

0 20' 40' 80'
SCALE: 1"= 40'
NORTH

PERENNIAL PLANTS, EMERGENT TYPE, 2" DIAMETER BY 4" DEEP PLUG

Emergent Plugs

SCIENTIFIC NAME	COMMON NAME	plants
Acorus calamus	Sweet flag	520
Iris virginica shrevei	Blue flag	520
Sagitaria latifolia	Chaimaker's rush	520
Sagittaria latifolia	Common arrowhead	520
Sparganium americanum	Common bur reed	520

PERENNIAL PLANTS, MESIC PRAIRIE TYPE, 2" DIAMETER BY 4" DEEP PLUG

Mesic Prairie Plugs

SCIENTIFIC NAME	COMMON NAME	plants
Coreopsis lanceolata	Sand tickseed	200
Asclepias tuberosa	Butterfly milkweed	200
Liatris aspera	Rough blazing star	200
Penstemon digitalis	Foxglove beard tongue	200

PERENNIAL PLANTS, SAVANNA TYPE, 2" DIAMETER BY 4" DEEP PLUG

Savanna Plugs

SCIENTIFIC NAME	COMMON NAME	plants
Carex pensylvanica	Pensylvania sedge	250
Geranium maculatum	Wild geranium	100
Helianthus strumosus	Woodland sunflower	200
Phlox diuarisata	Blue phlox	250

PERENNIAL PLANTS, WET PRAIRIE TYPE, 2" DIAMETER BY 4" DEEP PLUG

Wet Prairie Plugs

SCIENTIFIC NAME	COMMON NAME	plants
Calamagrottis canadensis	Blue joint grass	1000
Carex hystericina	Bottle brush sedge	2000
Carex bebbii	Bebb's sedge	2000
Carex sulpinoidea	Fox sedge	2000
Iris virginica shrevei	Blue flag	2000
Spartina pectinata	Prairie cord grass	1000

SEEDING, MESIC MIX

Mesic Prairie Species List

SCIENTIFIC NAME	COMMON NAME	oz./ac.
Grasses		
Andropogon gerardii	Big bluestem	32.0
Andropogon scparius	Little bluestem	24.0
Elymus canadensis	Canada wild rye	48.0
Panicum virgatum	Switch grass	16.0
Sorgastrum nutans	Indian grass	40.0
Total grasses, sedges, etc. (lbs./ac.)		**10.0**
Forbs		
Allium cernuum	Nodding wild onion	4.0
Aster laevis	Smooth blue aster	2.4
Aster ericoides	Heath aster	1.6
Aster novae-angliae	New England aster	2.4
Coreopsis palmata	Prairie coreopsis	3.2
Echinacea purpurea	Purple coneflower	1.6
Desmodium canadense	Showy tick trefoil	4.8
Heliopsis helianthoides	False sunflower	4.8
Lespedeza capitata	Round-headed bush clover	2.4
Liatris pycnostachya	Prairie blazing star	6.4
Lupinus perennis	Lupine	3.2
Monarda fistulosa	Wild bergamot	1.6
Penstemon digitalis	Foxglove beard tongue	2.4
Petalostemum purpureum	Purple prairie clover	3.2
Pycnanthemum virginianum	Common mountain mint	1.6
Ratibida pinnata	Yellow coneflower	4.8
Rudbeckia hirta	Black-eyed Susan	2.4
Solidago rigida	Stiff goldenrod	2.4
Solidago speciosa	Showy goldenrod	1.6
Tradescantia ohiensis	Common spiderwort	2.4
Verbena stricta	Hoary vervain	1.6
Zizia aptera	Golden Alexander	2.4
Total forbs (lbs./ac.)		**4.0**
Cover Crop		
Avena sativa (spring)	Oats	320.0
Secale cereale (fall)	Winter/cereal rye	320.0
Total (lbs./ac.)		**20.0**

SEEDING, WET PRAIRIE MIX

Wet Prairie Species List

SCIENTIFIC NAME	COMMON NAME	oz./ac.
Grasses		
Andropogon gerardii	Big bluestem	8.0
Calamagrottis canadensis	Blue joint grass	8.0
Carex cristatella	Crested oval sedge	16.0
Carex sulpinoidea	Brown fox Sedge	24.0
Eleocharis erythropoda	Red-sooted spike rush	1.6
Elymus canadensis	Canada wild rye	16.0
Elymus virginicus	Virginia wild rye	40.0
Glyceria striata	Manna grass	8.0
Juncus dudleyi	Dudley's rush	1.6
Juncus effusus	Common spike rush	1.6
Leersia oryzoides	Rice cut grass	1.6
Panicum virgatum	Switch grass	16.0
Sirpus atrovirens	Dark green rush	1.6
Spartina pectinata	Prairie cord grass	2.4
Total grasses, sedges, etc. (lbs./ac.)		**9.1**
Forbs		
Asclepias incarnata	Swamp milkweed	2.4
Aster novae-angliae	New England aster	4.8
Aster puniceus/simplex	Marsh aster/Panicled	3.2
Cicuta maculata	Water hemlock	1.6
Helenium autumnale	Sneezeweed	3.2
Lobelia siphilitica	Great blue lobelia	2.4
Lycopus americanus	Common water-hoarhound	1.6
Mimulus ringens	Monkey flower	3.2
Polygonum pensylvanicum	Smartweed	2.4
Pycnanthemum virginianum	Common mountain mint	3.2
Teucrium canadense	Germander	1.6
Verbena hastata	Blue vervain	2.4
Total forbs (lbs./ac.)		**2.0**
Cover Crop		
Echinochloa crucgalli	Barnyard grass	160.0
Lolium multiflorum (spring)	Annual rye	160.0
Secale cereale (fall)	Winter rye	160.0
Total (lbs./ac.)		**20.0**

SEEDING, SAVANNA MIX

Savanna Species List

SCIENTIFIC NAME	COMMON NAME	oz./ac.
Grasses		
Andropogon gerardii	Big Bluestem	16.0
Bromus purgans	Woodland Brome	24.0
Carex sprengelii	Long-bealed sedge	8.0
Elymus canadensis	Canada wild rye	32.0
Elymus villosus	Silky Wild Rye	24.0
Elymus virginicus	Virginia Wild Rye	24.0
Hystrix patula	Bottle Brush Grass	24.0
Panicum virgatum	Switch grass	4.0
Sorghastrum nutans	Indian grass	8.0
Total grasses, sedges, etc. (lbs./ac.)		**10.3**
Forbs		
Allium cernuum	Nodding wild onion	1.6
Aster azureus	Sky-Blue Aster	1.6
Aster lateriflorus	Side-flowering aster	4.8
Aster sagittifolius drummondii	Drummond's aster	4.0
Campanula americana	Tall bellflower	4.8
Eupatorium purpureum	Sarranta Joe Pyeweed	3.2
Eupatorium rugosum	White snakeroot	2.4
Geranium maculatum	Wild geranium	2.4
Helianthus strumosus	Woodland sunflower	2.4
Monarda fistulosa	Wild bergamot	6.8
Penstemon digitalis	Beasded fox glove	4.8
Phlox pilosa	Phlox	0.8
Polemonium reptans	Jacob's ladder	0.8
Ratibida pinnata	Yellow coneflower	8.0
Radbeckia trilaba	Brown-eyed Susan	2.4
Sicyrtochium campestre	Blue Eyed Grass	0.4
Smilacina racemosa	False Solomon's seal	4.8
Solidago flexicaulis	Broad-leaved goldenrod	1.2
Solidago ulmifolia	Elm-leaved goldenrod	3.2
Tradescantia ohiensis	Spiderwort	1.6
Zizia aurea	Golden Alexanden	1.6
Total forbs (lbs./ac.)		**4.1**
Cover Crop		
Avena sativa (spring)	Oats	320.0
Secale cereale (fall)	Winter/cereal rye	320.0
Total (lbs./ac.)		**20.0**

SEEDING, EMERGENT MIX

Emergent Species List

SCIENTIFIC NAME	COMMON NAME	oz./ac.
Grasses		
Carex hystericina	Bottlebrush sedge	12.0
Carex sulpinoidea	Brown fox sedge	16.0
Juncus effusus	Common spike rush	2.4
Leersia oryzoides	Rice cut grass	2.4
Sirpus atrovirens	Dark green rush	2.4
Sirpus validus	Great bulrush	2.4
Total grasses, sedges, etc. (lbs./ac.)		**2.4**
Forbs		
Acorus calamus	Sweet flag	3.2
Alisma subcordatum	Common water plantain	12.0
Bidens cernua	Nodding-bur marigold	8.0
Epilobium coloratum	Cinnamon willow herb	4.0
Eupatorium maculatum	Spotted joe pye weed	4.8
Helenium autumnale	Sneezeweed	3.2
Iris virginica shrevei	Blue flag	2.4
Lobelia siphilitica	Great blue lobelia	0.8
Mimulus ringens	Monkey flower	2.4
Polygonum pensylvanicum	Smartweed	16.0
Rumex orbiculatus	Great water dock	1.6
Sagittaria latifolia	Common arrowhead	3.2
Sparganium americanum	Common bur seed	4.8
Total forbs (lbs./ac.)		**4.2**
Cover Crop		
Echinochloa crucgalli	Barnyard grass	160.0
Lolium multiflorum (spring)	Annual rye	160.0
Secale cereale (fall)	Winter rye	160.0
Total (lbs./ac.)		**20.0**

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Stream Restoration Planting Plan

Drawn By: t.e.g./EMK | AES Project No.: 09-0198 (02-527)
Checked: WWS | File Name: 020527cst20100528_Planting.dwg
Approved: GDP | Date: 05-16-2003

Crystal Creek Realignment

Algonquin, Illinois

Village of Algonquin
125 Wilbrandt Street
Algonquin, Illinois 60102

Revisions:

No.	By	Date	Description
1	WWS	06-30-03	Village Comments
2	WWS	12-11-03	Regulatory Comments
3	WWS	02-04-04	Village Comments
4	WWS	11-30-09	CBBE Comments
5	WWS	02-26-10	Final AES review for ACOE submittal
6	WWS	05-28-10	ACOE & MCSWCD Comments
7	WWS	05-16-11	ACOE permit submittal

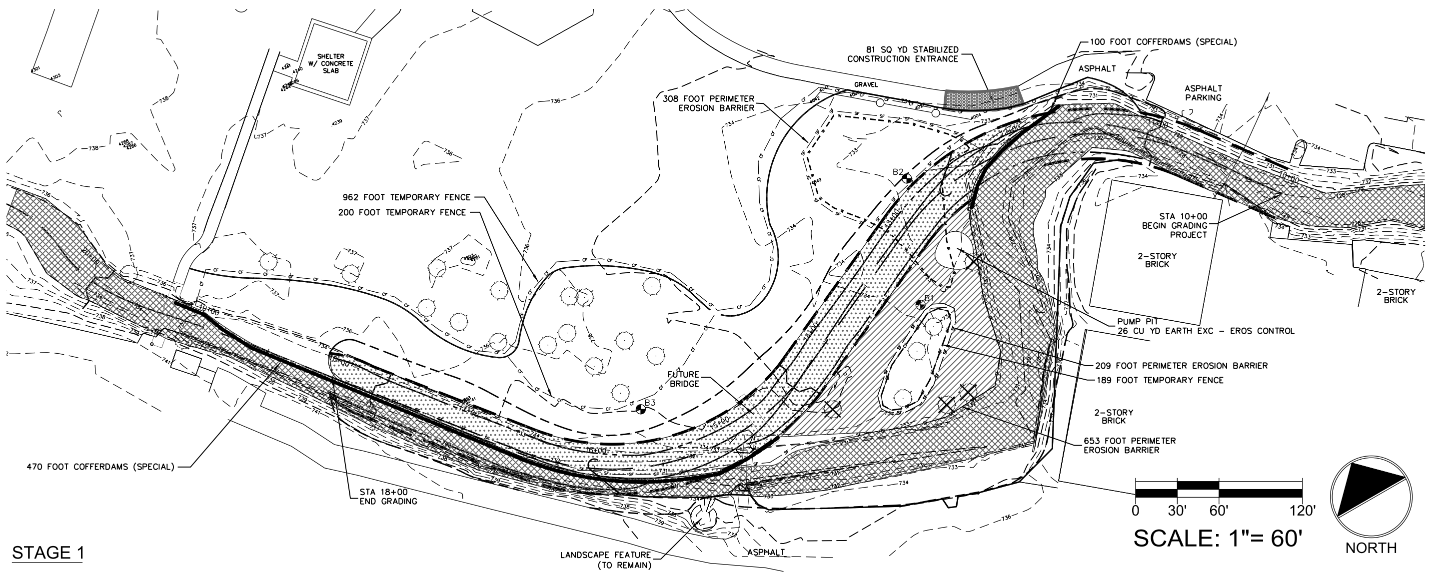
Sheet Number
3 of 10

FILE NAME = ...\D160F72-sht-Towne Park-05.dgn	USER NAME = akw	DESIGNED - AES	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
		DRAWN - AES	REVISED -	
	PLOT SCALE = 2.0000 ' / in.	CHECKED - AES	REVISED -	
	PLOT DATE = 5/2/2012	DATE - 5/3/2012	REVISED -	

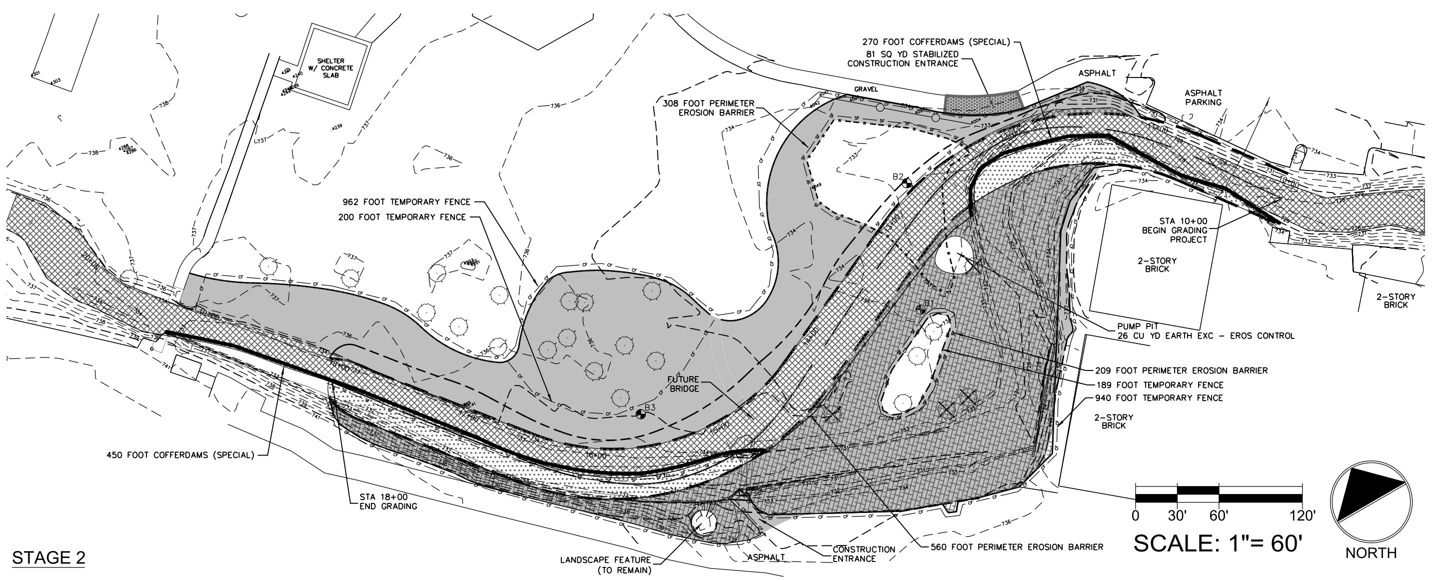
CRYSTAL CREEK RELOCATION PLANS

SCALE: AS NOTED | SHEET NO. 3 OF 10 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	402
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



STAGE 1



STAGE 2

EROSION CONTROL AND CONSTRUCTION SEQUENCE PLAN

THE PLAN IS DESIGNED TO: 1) PREVENT THE TRANSPORT OF SOIL AND SUBSOIL FROM GRADED AND DISTURBED AREAS INTO THE EXISTING CHANNEL DURING CONSTRUCTION OF THE NEW CHANNEL, AND 2) MAINTAIN FLOW CONVEYANCE OF CRYSTAL CREEK DURING CONSTRUCTION. THE INTENT OF THE PLAN IS TO ALLOW CONSTRUCTION OF THE RELOCATED CHANNEL AND PLACEMENT OF THE EXCAVATED MATERIALS TO REFILL THE EXISTING CHANNEL TO BE DONE UNDER AS DRY A CONDITION AS PRACTICAL. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE-HALF THE EXISTING CHANNEL WIDTH FOR CONVEYANCE PURPOSES DURING ALL STAGES OF CONSTRUCTION. ADDITIONAL PUMP AROUND AND BYPASS TECHNIQUES MAY BE NECESSARY TO ASSIST WITH CONVEYANCE.

CONSTRUCTION IS ANTICIPATED TO BE COMPLETE WITHIN 30 DAYS OF THE PROJECT START DATE. TEMPORARY DIVERSIONS TO CREATE DRIER CONDITIONS FOR GRADING OF POOL STRUCTURES SHALL BE CONSTRUCTED USING A COMBINATION OF COFFERDAMS AND SANDBAGS. THESE SHALL BE IN PLACE PRIOR TO COMMENCING EACH CONSTRUCTION STAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STABILIZING THE EXISTING AND/OR NEW CHANNEL AT DAY'S END IF ADDITIONAL WORK FOR THAT PHASE IS NEEDED THE NEXT DAY.

EXCAVATED SOIL SHALL BE TEMPORARILY STOCKPILED ON-SITE IN LOCATIONS DESIGNATED FOR DRY SOIL (TOP SOIL), WET SOIL (SAND AND SILT), AND COBBLE/GRAVEL (CHANNEL BED AND BARS). SILT FENCE SHALL BE INSTALLED AND MAINTAINED AROUND THE STOCKPILES THROUGH THE PROJECT DURATION. ALL EXCAVATION MATERIAL SHALL BE PLACED ON SITE.

EXPOSED SOIL SHALL BE STABILIZED WITH COVER CROP OR PERMANENT SEED MIXES. IF CONSTRUCTION OCCURS MID TO LATE SUMMER, COVER CROP, STRAW MULCH AND/OR EROSION CONTROL BLANKET SHALL BE USED TO STABILIZE EXPOSED SLOPES. SEEDING OF PERMANENT MATRIX SHALL OCCUR AS A DORMANT SEEDING (AFTER NOVEMBER 1) AFTER BLANKET NETTING IS REMOVED AND THE COVER CROP IS MOWED. SILT FENCE SHALL NOT BE REMOVED UNTIL VEGETATIVE COVERAGE ON SEEDED SLOPES EXCEEDS 95%.

THIS PLAN INCLUDES A SUGGESTED CONSTRUCTION STAGING SEQUENCE. THE CONTRACTOR MAY PRESENT AN ALTERNATIVE METHOD IN WRITTEN AND PLAN FORM WHICH MAY BE USED CONDITIONED UPON WRITTEN ACCEPTANCE BY THE OWNER, ENGINEER, U.S. ARMY CORPS OF ENGINEERS, AND THE M CHENRY COUNTY SOIL AND WATER CONSERVATION DISTRICT.

GENERAL EROSION CONTROL NOTES :

1. ALL WORK WITH A STREAM IS SUBJECT TO THE RULES AND REGULATIONS OF THE U.S. ARMY CORPS OF ENGINEERS FOR IN-STREAM MODIFICATIONS (404 PERMITS), THE ILLINOIS DNR, AND THE VILLAGE OF ALGONQUIN.

2. EROSION CONTROL FOR THIS PROJECT IS A HIGH MAINTENANCE ITEM. DAILY INSPECTION AND MAINTENANCE SHALL BE PERFORMED AS NEEDED TO ENSURE THAT THE TEMPORARY DIVERSION, STREAMBED AND STREAMBANKS ARE MAINTAINED AND NOT DAMAGED. MAINTENANCE SHALL INCLUDE REMOVAL AND DISPOSAL OF ANY TRAPPED SEDIMENT OR DEBRIS. DEBRIS WILL BE REMOVED FROM THE SITE, SEDIMENT MAY BE DISPOSED OF IN THE TEMPORARY STOCKPILE AREA.

3. SILT FENCE SHALL BE UTILIZED AS THE PRIMARY MEANS FOR PROTECTING THE CONVEYANCE CHANNEL THROUGH ALL PHASES OF THE PROJECT. THE CONTRACTOR SHALL EXPECT THAT ROUTINE REMOVAL OF ACCUMULATED SEDIMENT WILL BE REQUIRED FOR NEARLY ALL PHASES WHERE DREDGING OR EXCAVATING OCCURS. THE CONTRACTOR SHALL USE MACHINERY SUITABLE FOR SEDIMENT REMOVAL IN SHALLOW WATER CONDITIONS.

4. ALL TEMPORARY STREAM DIVERSIONS SHALL BE REMOVED WITHIN 2 CALENDAR DAYS AFTER THE DIVERSION IS NO LONGER NEEDED.

~~5. SANDBAGS SHALL CONSIST OF MATERIALS, WHICH ARE RESISTANT TO ULTRA-VIOLET RADIATION, TEARING AND PUNCTURE, AND WOVEN TIGHTLY ENOUGH TO PREVENT LEAKAGE OF FILL MATERIAL (I.E. SAND, FINE GRAVEL, ETC.). SANDBAG LEVEES SHALL CONTAIN THE STREAM IN THE DESIGNATED CONVEYANCE CHANNEL.~~

6. THE HEIGHT OF ALL TEMPORARY COFFERDAMS AND SANDBAG LEVEES SHALL BE THE BANKFULL DEPTH.

7. ALL DEWATERING OF THE CONSTRUCTION AREA SHALL BE PUMPED TO A DEWATERING BASIN (PUMP PIT) THEN TO A FILTER BAG PRIOR TO RE-ENTERING THE STREAM.

8. THE PROCESS OF EXCAVATION AND STABILIZATION SHALL BE A CONTINUOUS (UNINTERRUPTED) OPERATION. ALL MATERIALS SHALL BE ON-SITE ONE DAY PRIOR TO ITS IMPLEMENTATION.

~~9. ADDITIONAL EROSION CONTROL MEASURES WHEN DEEMED NECESSARY BY THE VILLAGE OR GOVERNING AGENCIES SHALL BE INSTALLED AS EXTRA WORK.~~

10. CONTRACTOR MAY LOCATE CONSTRUCTION FENCE WITH APPROVAL OF VILLAGE FORESTER TO MINIMIZE ROOT PRUNING OF EXISTING TREES.

11. REMOVE CONSTRUCTION FENCE WHEN SEEDING IS COMPLETE.

12. RESTORE TEMPORARY ACCESS TO PRE-CONSTRUCTION CONDITIONS.

13. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.

14. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.

15. AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN, OR EQUAL TO, 5H: 1V AND APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE STABILIZED WITH MAT OR BLANKET IN COMBINATION WITH SEED.

16. ALL STORM SEWERS THAT ARE, OR WILL BE, FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.

17. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED, OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.

18. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED.

~~19. A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURE) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO, OR FROM, A PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATION WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.~~

20. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G. SEDIMENT TRAP, SEDIMENT BASIN, FILTER BAG, OR OTHER APPROPRIATE MEASURE.)

~~21. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNMENT AGENCY.~~

22. ALL DISTURBED AREAS AND WORK AREAS MUST BE ISOLATED FROM CREEK FLOWS AT ALL TIMES. THE DIVERSION / ISOLATION OF THE CREEK FLOWS MUST BE CONSTRUCTED FROM NON-ERODIBLE MATERIALS. THE U.S. ARMY CORP OF ENGINEERS MUST BE IN AGREEMENT WITH OVERALL METHOD OF DIVERSION / ISOLATION PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

23. DURING WORK ON THE BANKS, SWALE/RIVER/STREAM/WETLAND WORK MUST BE TIMED TO TAKE PLACE DURING LOW OR NON-FLOW CONDITIONS.

24. CONCENTRATED FLOW MUST BE ISOLATED FROM THE WORK AREA USING A NON-ERODIBLE COFFERDAM. EXACT MEANS AND METHODS SHOULD BE DISCUSSED DURING A SCHEDULED PRE-CONSTRUCTION MEETING.

25. IF BYPASS IN NECESSARY, THE INLET OF THE HOSE SHALL BE PLACED IN A SUMP PIT AND THE OUTLET FILTER BAG TO BE PLACED ON A FLAT, NON-ERODIBLE, ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE STREAM FLOW OR WETLAND.

26. IF DEWATERING THE CONSTRUCTION AREAS IS NECESSARY, THE CONTRACTOR SHALL FILTER ALL WATER BY USING PUMP PIT, FILTER BAGS, AN INLINE FILTER OR APPROVED ALTERNATE MEASURE. WATER MUST HAVE SEDIMENT REMOVED BEFORE BEING ALLOWED TO DISCHARGE TO THE CREEK/STREAM/WETLAND/RIVER.

27. CRITICAL SIDE SLOPES MUST BE RESEEDED AND STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET PRIOR TO BEING EXPOSED TO STREAM FLOW.

CONSTRUCTION SEQUENCE

PRIOR TO COMMENCING CLEARING OR GRADING OPERATIONS

1. INSTALL CONSTRUCTION FENCE AROUND TREE PRESERVATION AREAS AND CONSTRUCTION BOUNDARIES.

2. INSTALL SILT FENCE ALONG THE TOE OF CHANNEL BANK SLOPES, PROPOSED TEMPORARY STOCKPILE AREAS, AND BRIDGE ABUTMENTS DESIGNATED FOR REMOVAL.

3. INSTALL DEWATERING.

STAGE 1

1. STREAM ROUTING:

   A. CONVEYANCE MAINTAINED IN EXISTING CRYSTAL CREEK CHANNEL. THE UPSTREAM AND DOWNSTREAM CONVEYANCE AREAS WILL BE RESTRICTED TO THE LEFT-HAND (LOOKING UPSTREAM) CHANNEL HALF USING A COFFERDAM.

2. CONSTRUCTION:

   A. REMOVE EXISTING PEDESTRIAN BRIDGE AND ITS NORTH BRIDGE ABUTMENT. CONSTRUCT ABUTMENTS FOR RELOCATED EAST BRIDGE.

   B. CONSTRUCT AND STABILIZE THE ENTIRE CHANNEL LOCATED OUTSIDE OF THE EXISTING CHANNEL LIMITS. EXCAVATE COBBLE AND GRAVEL FROM EXISTING POINT BARS TO PROVIDE THE CHANNEL BED MATERIALS.

   C. CONSTRUCT AND STABILIZE THE RIGHT-HAND (LOOKING UPSTREAM) SECTION OF THE CHANNEL AT THE UPSTREAM END OF THE PROJECT.

   D. STOCKPILE EXCAVATED MATERIAL BETWEEN THE EXISTING CHANNEL AND THE NEWLY CONSTRUCTED CHANNEL.

3. EROSION CONTROL:

   A. STRIP AND STOCKPILE TOPSOIL.

   B. MAINTAIN SILT FENCE AROUND ALL STOCKPILE AREAS, EXISTING WETLAND AREAS.

   C. MAINTAIN DEWATERING TO PREVENT STREAM WATER FROM ENTERING THE CONSTRUCTION AREA.

   D. MAINTAIN A PUMPING PIT AND FILTER BAG TO RECEIVE ALL WATER PUMPED FROM CONSTRUCTION AREA (NO CONSTRUCTION AREA DRAINAGE SHALL BE DISCHARGED DIRECTLY TO CRYSTAL CREEK).

STAGE 2

1. STREAM ROUTING:

   A. CONVEYANCE MAINTAINED IN RELOCATED CRYSTAL CREEK CHANNEL AND THE RIGHT-HAND (LOOKING UPSTREAM) SECTION OF THE EXISTING CHANNEL AT THE DOWNSTREAM AREA OF THE PROJECT. THE UPSTREAM AREA WILL BE RESTRICTED TO THE RIGHT-HAND (LOOKING UPSTREAM) RELOCATED CHANNEL HALF USING A COFFERDAM.

2. CONSTRUCTION:

   A. REMOVE SOUTH ABUTMENT OF EXISTING BRIDGE.

   B. CONSTRUCT AND STABILIZE THE LEFT-HAND (LOOKING UPSTREAM) SECTION OF THE CHANNEL AT THE UPSTREAM END OF THE PROJECT.

   C. CONSTRUCT AND STABILIZE THE LEFT HALF (LOOKING UPSTREAM) OF THE DOWNSTREAM CHANNEL.

   D. FILL THE EXISTING CHANNEL WITH THE TEMPORARY STOCKPILE MATERIAL.

3. EROSION CONTROL:

   A. MAINTAIN SILT FENCE AROUND ALL STOCKPILE AREAS, EXISTING WETLAND AREAS.

   B. MAINTAIN DEWATERING TO PREVENT STREAM WATER FROM ENTERING THE CONSTRUCTION AREA.

   C. MAINTAIN A PUMPING PIT AND FILTER BAG TO RECEIVE ALL WATER PUMPED FROM CONSTRUCTION AREA (NO CONSTRUCTION AREA DRAINAGE SHALL BE DISCHARGED DIRECTLY TO CRYSTAL CREEK).

Legend

Temporary Erosion Control | Existing | Proposed

- CONTOUR ELEVATION
- TREE TO REMAIN
- BANKFULL
- TREE TO BE REMOVED
- WETLAND BOUNDARY
- FENCE
- PERIMETER EROSION BARRIER
- TEMPORARY FENCE
- COFFERDAMS (SPECIAL)
- EROSION CONTROL BLANKET
- LIMIT OF GRADING
- LIMIT OF CONSTRUCTION
- CHANNEL CONSTRUCTION AREA
- STOCKPILE AREA
- STREAM CONVEYANCE AREA
- GRADING AREA

Applied Ecological Services, Inc.
120 West Main Street
West Dundee, Illinois 60118
Phone: 847-844-9385 Fax: 847-844-8759
Email: info@appliedeco.com

Construction Sequence and Erosion Control Plan

Drawn By: t.e.g./EMK | AES Project No.: 09-0198 (02-527)
Checked: WWS | File Name: 020527cst20100528_Erosion.dwg
Approved: GDP | Date: 05-16-2003

Crystal Creek Realignment

Algonquin, Illinois

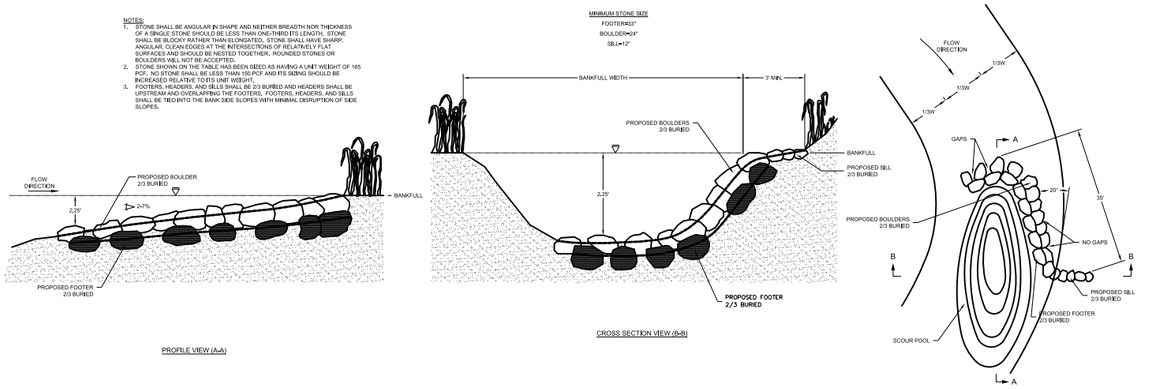
Village of Algonquin
125 Wilbrandt Street
Algonquin, Illinois 60102

Revisions:

No.	By	Date	Description
1	teg/jde	06-30-03	Village Comments
2	teg/jde	12-11-03	Regulatory Comments
3	teg/jde	02-04-04	Village Comments
4	emk/gdp	11-30-09	CBBE Comments
5	emk/gdp	02-26-10	Final AES review for ACOE submittal
6	emk/gdp	05-28-10	ACOE & MCSWCD Comments
7			

Sheet Number
4 of 10

FILE NAME = ...\D160F72-sht-Towne Park-06.dgn	USER NAME = akw	DESIGNED - AES	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CRYSTAL CREEK RELOCATION PLANS	F.A. RTE. 0003	SECTION 18A-2	COUNTY MCHENRY	TOTAL SHEETS 825	SHEET NO. 403
		DRAWN - AES	REVISED -					CONTRACT NO. 60F72		
	PLOT SCALE = 2.0000 ' / in.	CHECKED - AES	REVISED -		SCALE: AS NOTED / SHEET NO. 4 OF 10 SHEETS / STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
	PLOT DATE = 5/2/2012	DATE - 5/3/2012	REVISED -							



J-HOOK VANE DETAIL
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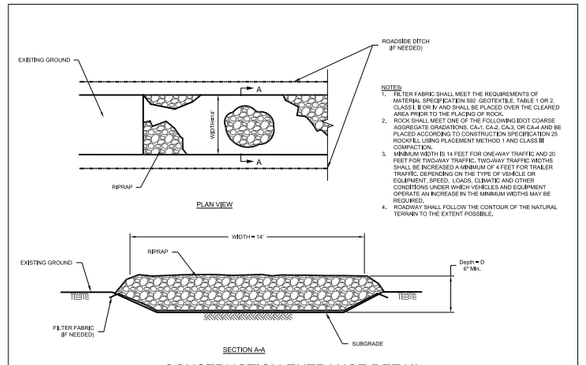

CONSTRUCTION ENTRANCE DETAIL
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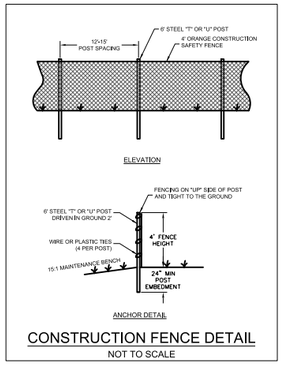

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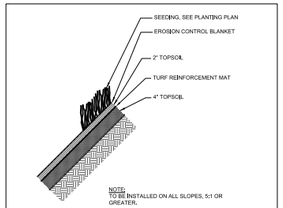

STEEP SLOPE VEGETATED STABILIZATION DETAIL
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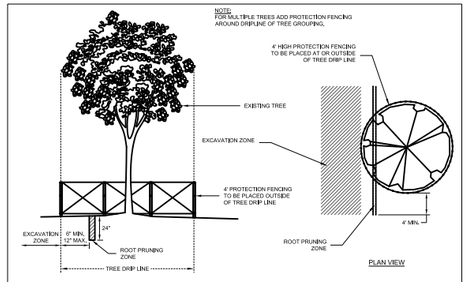

TREE PROTECTION AND ROOT PRUNING DETAIL
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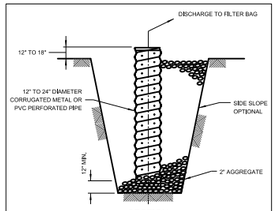

DEWATERING STRUCTURE NO. 1
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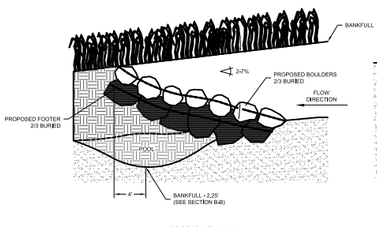

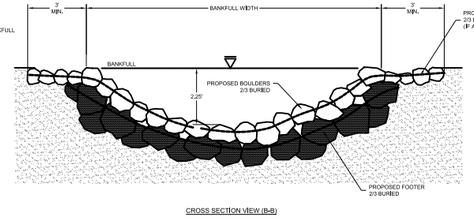

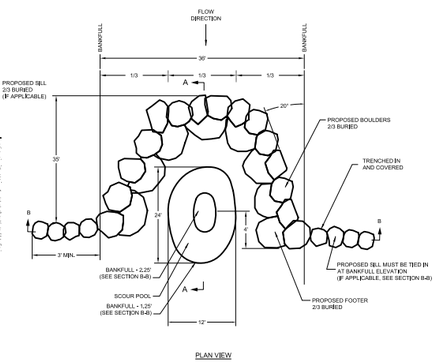

CROSS VANE DETAIL
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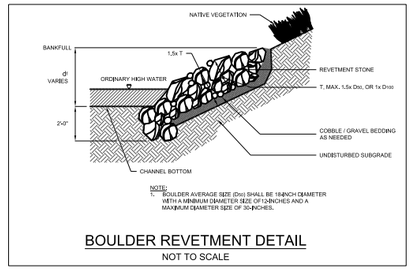

BOULDER REVETMENT DETAIL
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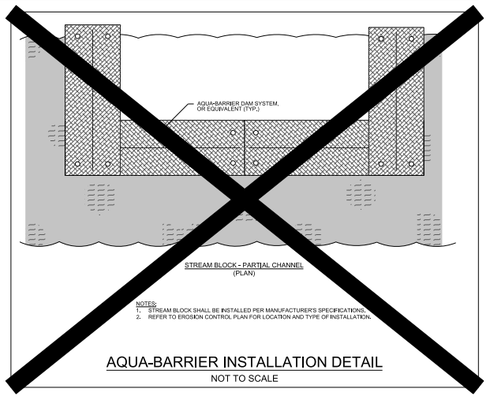
NOTES:
SEE STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, AND STANDARD DETAILS FOR ADDITIONAL INFORMATION.



AQUA-BARRIER INSTALLATION DETAIL
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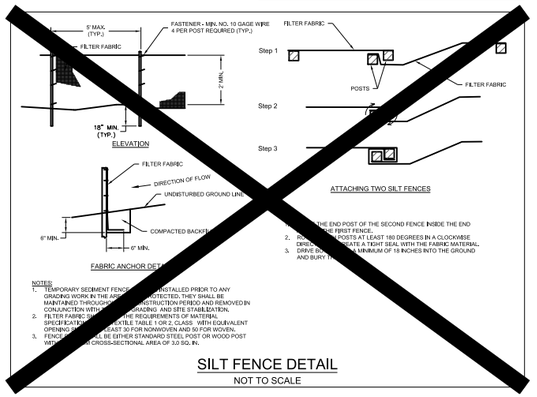


SILT FENCE DETAIL
NOT TO SCALE

Applied Ecological Services, Inc.
120 West Main Street
West Dundee, Illinois 60118
Phone: 847-844-9385 Fax: 847-844-8759
Email: info@appliedeco.com

Construction Details & Cross Sections

Drawn By: t.e.g./EMK | AES Project No.: 09-0198 (02-527)
Checked: WWS | File Name: 020527cst20100528_Details-1.dwg
Approved: GDP | Date: 05-16-2003

Crystal Creek Realignment

Algonquin, Illinois

Village of Algonquin
125 Wilbrandt Street
Algonquin, Illinois 60102

Revisions:

No.	By	Date	Description
2	WWS	12-11-03	Regulatory Comments
3	WWS	02-04-04	Village Comments
4	WWS	11-30-09	CBBE Comments
5	WWS	02-26-10	Final AES review for ACOE submittal
6	WWS	03-09-10	Revised Boulder Revetment Detail
7	WWS	05-28-10	ACOE & MCSWCD Comments

Sheet Number
5 of 10

FILE NAME = ...\D160F72-sht-Towne Park-07.dgn	USER NAME = akw	DESIGNED - AES	REVISED -
		DRAWN - AES	REVISED -
	PLOT SCALE = 2.0000 ' / in.	CHECKED - AES	REVISED -
	PLOT DATE = 5/2/2012	DATE - 5/3/2012	REVISED -

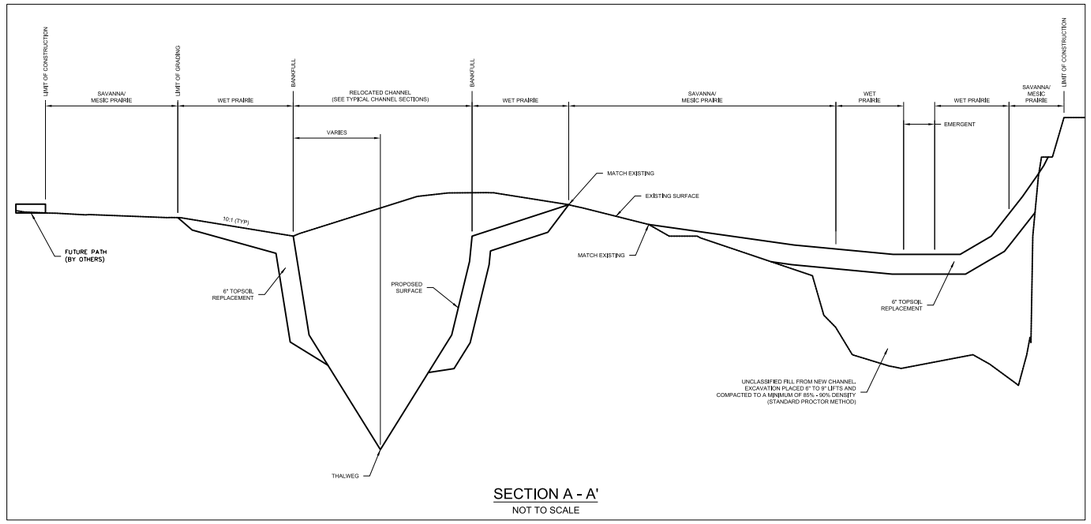
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CRYSTAL CREEK RELOCATION PLANS

SCALE: AS NOTED | SHEET NO. 5 OF 10 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	404
		CONTRACT NO. 60F72		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT



SECTION A - A'
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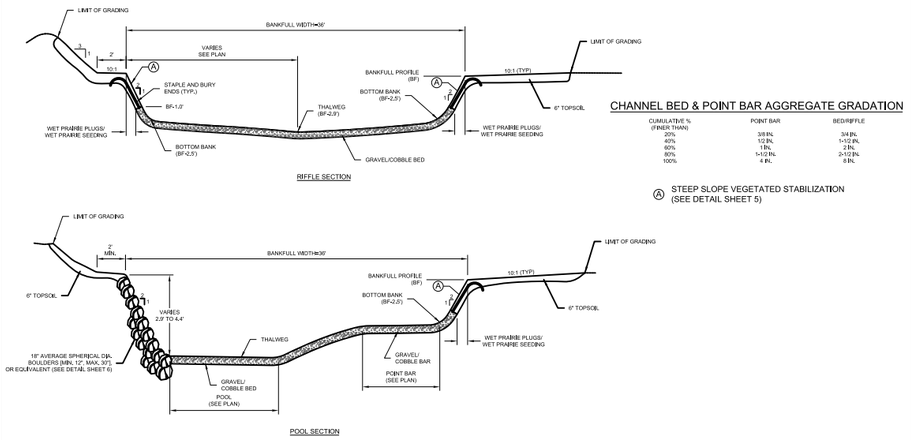
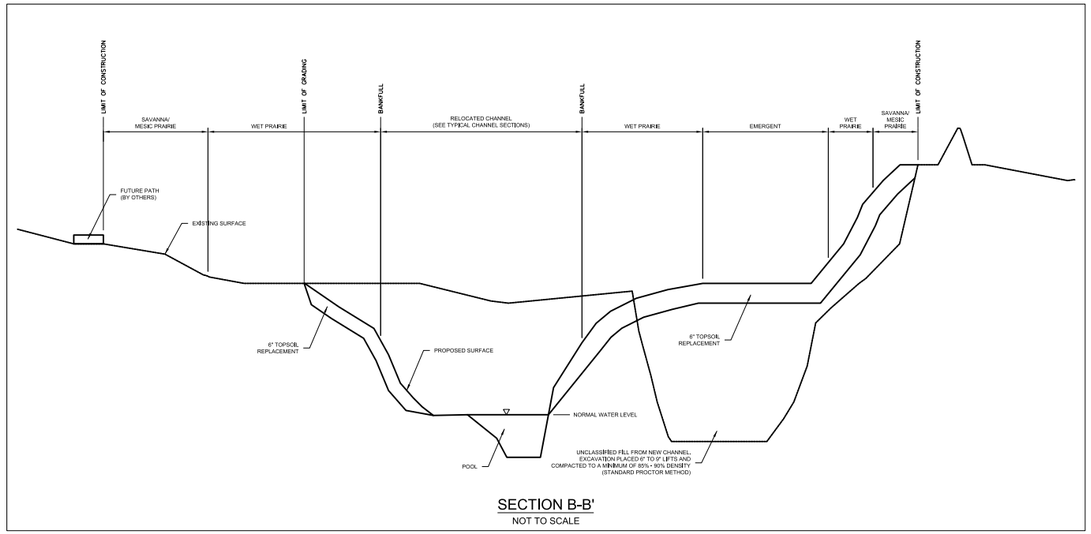


CHANNEL BED & POINT BAR AGGREGATE GRADATION

CUMULATIVE % (FINER THAN)	POINT BAR	BED/RIFFLE
20%	3/8 IN.	3/4 IN.
40%	1/2 IN.	1-1/2 IN.
60%	1 IN.	2 IN.
80%	1-1/2 IN.	2-1/2 IN.
100%	4 IN.	6 IN.

Ⓐ STEEP SLOPE VEGETATED STABILIZATION (SEE DETAIL SHEET 5)

TYPICAL CHANNEL SECTIONS
NOT TO SCALE



SECTION B-B'
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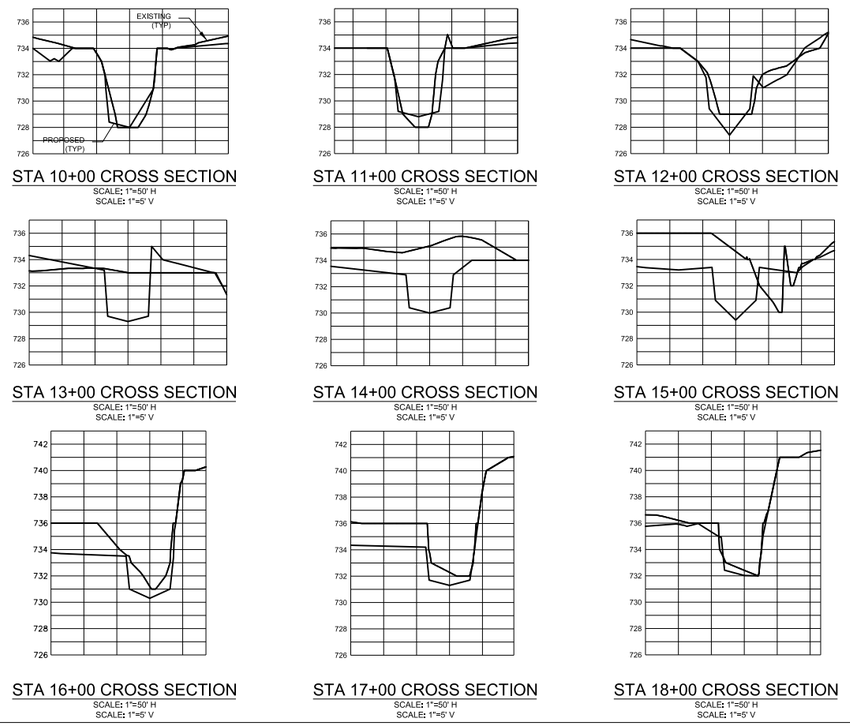

STA 10+00 CROSS SECTION
SCALE: 1"=50' H
SCALE: 1"=5' V

STA 11+00 CROSS SECTION
SCALE: 1"=50' H
SCALE: 1"=5' V

STA 12+00 CROSS SECTION
SCALE: 1"=50' H
SCALE: 1"=5' V

STA 13+00 CROSS SECTION
SCALE: 1"=50' H
SCALE: 1"=5' V

STA 14+00 CROSS SECTION
SCALE: 1"=50' H
SCALE: 1"=5' V

STA 15+00 CROSS SECTION
SCALE: 1"=50' H
SCALE: 1"=5' V

STA 16+00 CROSS SECTION
SCALE: 1"=50' H
SCALE: 1"=5' V

STA 17+00 CROSS SECTION
SCALE: 1"=50' H
SCALE: 1"=5' V

STA 18+00 CROSS SECTION
SCALE: 1"=50' H
SCALE: 1"=5' V

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Construction Details & Cross Sections

Drawn By: t.e.g./EMK | AES Project No.: 09-0198 (02-527)
Checked: WWS | File Name: 020527cst20100528_Details-2.dwg
Approved: GDP | Date: 05-16-2003

Crystal Creek Realignment

Algonquin, Illinois

Village of Algonquin

125 Wilbrandt Street
Algonquin, Illinois 60102

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Sheet Number
6 of 10

FILE NAME = ...\D160F72-sht-Towne Park-08.dgn	USER NAME = akw	DESIGNED - AES	REVISED -
		DRAWN - AES	REVISED -
	PLOT SCALE = 2.0000 ' / in.	CHECKED - AES	REVISED -
	PLOT DATE = 5/2/2012	DATE - 5/3/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CRYSTAL CREEK RELOCATION PLANS

SCALE: AS NOTED | SHEET NO. 6 OF 10 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	405
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

GENERAL PROVISIONS

PART 1. DEFINITIONS

WHEREVER THE FOLLOWING TERMS ARE USED, THE INTENT AND MEANING SHALL BE INTERPRETED AS FOLLOWS:

CONTRACTOR: THE INDIVIDUAL, FIRM, PARTNERSHIP, JOINT VENTURE, OR CORPORATION CONTRACTING WITH OWNER FOR PERFORMANCE OF WORK DESCRIBED IN THESE SPECIFICATIONS AND PLAN SET.

OWNER: THE VILLAGE OF ALGONQUIN OR ITS AUTHORIZED REPRESENTATIVE.

PLANS AND SPECIFICATIONS: THE APPROVED PLANS, SPECIFICATIONS CONTAINED HEREIN WHICH SHOW THE CHARACTER, DIMENSIONS, AND DETAILS OF THE WORK TO BE DONE.

WORK: SHALL MEAN THE FURNISHING OF ALL LABOR, MATERIALS, EQUIPMENT, AND OTHER INCIDENTALS NECESSARY OR CONVENIENT TO SUCCESSFUL COMPLETION OF THE PROJECT.

LIMITS OF CLEARING: A BOUNDARY LINE FOR THE WORK AS SHOWN ON THE PLANS AND AS DESIGNATED AND DEFINED IN THE FIELD BY STAKING OR FLAGGING.

PART 2. GENERAL

WORK DESCRIBED HEREIN CONSISTS OF FURNISHING AND TRANSPORTING ALL MATERIALS AND EQUIPMENT REQUIRED FOR SELECTIVE TREE REMOVAL, GRADING, SOIL BIOENGINEERING, SLOPE PROTECTION, AND CHANNEL STABILIZATION. CONTRACTOR SHALL FURNISH, TRANSPORT AND INSTALL ALL SEED AND PERFORM ALL SOIL PREPARATION, SEEDING, MANAGEMENT, AND SUCH AUXILIARY WORK AS MAY BE NECESSARY TO COMPLETE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL FURNISH ALL REQUIRED MATERIALS, EQUIPMENT, TOOLS, LABOR, AND INCIDENTALS, UNLESS OTHERWISE PROVIDED IN THE SPECIFICATIONS OR PLANS.

EXCEPT AS SPECIFICALLY DESCRIBED IN THE PLANS AND SPECIFICATIONS, THE FOLLOWING DOCUMENTS SHALL PREVAIL:

A. ALL PERTINENT CODES, STANDARDS, AND ORDINANCES OF THE VILLAGE OF ALGONQUIN, WHERE APPLICABLE.
B. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (IDOT SPECIFICATIONS) ADOPTED JANUARY 1, 2007 OR LATEST EDITION BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION;
C. 1995 ILLINOIS URBAN MANUAL, REVISED NOVEMBER, 2002 OR LATEST EDITION BY THE USDA NATURAL RESOURCES CONSERVATION SERVICE (NRCS);
D. STORM SEWER SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, SIXTH EDITION (STANDARD SPECIFICATIONS), ADOPTED JUNE, 2009 OR LATEST EDITION;
E. THE STATE OF ILLINOIS PLUMBING CODE, LATEST EDITION
F. ILLINOIS HIGHWAY DESIGN STANDARDS FOR TRAFFIC CONTROL, PUBLISHED 2003 OR LATEST EDITION BY IDOT;
G. ILLINOIS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, PUBLISHED 2003 OR LATEST EDITION BY IDOT;
H. HYDRAULIC DESIGN OF FLOOD CONTROL CHANNELS (EM 1110-2-1601) ADOPTED JULY 1, 1991 AND AMENDED JUNE 30, 1994 OR LATEST EDITION BY THE U.S. ARMY CORPS OF ENGINEERS
I. DESIGN OF RIPRAP REVETMENT (HEC 11) PUBLISHED MARCH, 1989 OR LATEST EDITION BY THE USDOT FEDERAL HIGHWAY ADMINISTRATION;
J. HYDRAULIC DESIGN OF ENERGY DISSIPATORS FOR CULVERTS AND CHANNELS (HEC 14) PUBLISHED JULY, 2006 OR LATEST EDITION BY THE USDOT FEDERAL HIGHWAY ADMINISTRATION;
K. OSHA AND ALL OTHER APPLICABLE SAFETY STANDARDS.

~~IN THE EVENT OF ANY INCONSISTENCIES BETWEEN THE PLANS AND THESE SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY BEFORE CONTINUING WORK SO THAT THE INCONSISTENCIES MAY BE RESOLVED.~~

~~THE CONTRACTOR SHALL HAVE AN ENGLISH SPEAKING REPRESENTATIVE ONSITE AT ALL TIMES DURING PERFORMANCE OF CONSTRUCTION ACTIVITIES.~~

~~THE FOREGOING STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, AND RECURRING SPECIAL PROVISIONS, CONSTRUCTION PLANS, AND SUBSEQUENT DETAILS ARE ALL TO BE CONSIDERED AS PART OF THE CONTRACT. INCIDENTAL ITEMS OR ACCESSORIES NECESSARY TO COMPLETE THIS WORK MAY NOT BE SPECIFICALLY NOTED BUT ARE CONSIDERED A PART OF THIS CONTRACT.~~

~~NO CONSTRUCTION PLANS SHALL BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY MARKED "FOR CONSTRUCTION". PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, THE CONTRACTOR MUST IMMEDIATELY REPORT SAME TO THE ENGINEER BEFORE DOING ANY WORK. OTHERWISE, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS, AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.~~

~~PART 3. LEGAL RESPONSIBILITIES~~

~~THE CONTRACTOR SHALL AT ALL TIMES OBSERVE AND COMPLY WITH ALL FEDERAL AND STATE LAWS, LOCAL LAWS, ORDINANCES, AND REGULATIONS WHICH IN ANY MANNER AFFECT THE CONDUCT OF THE WORK, AND ALL SUCH ORDERS OR ENACTMENTS THAT EXIST AT THE PRESENT AND WHICH MAY BE ENACTED LATER, OF LEGISLATIVE BODIES OR TRIBUNALS HAVING LEGAL JURISDICTION WHICH MAY HAVE AN AFFECT ON THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR CONSTRUCTION.~~

~~THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS, OR OTHER SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SAFETY ON THE JOB SITE. THE CONTRACTOR SHALL PLAN HIS WORK BASED ON HIS OWN EXPLORATIONS, OBSERVATIONS, AND CONDITIONS AT THE LOCATION OF THE PROPOSED WORK.~~

~~ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE GUARANTEED AGAINST ALL DEFECTS IN MATERIALS AND WORKMANSHIP OF WHATEVER NATURE BY THE CONTRACTOR AND HIS SURETY FOR A PERIOD OF TWELVE MONTHS FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK BY THE OWNER AND APPLICABLE GOVERNMENTAL AGENCIES.~~

~~BEFORE ACCEPTANCE BY THE OWNER AND THE FINAL PAYMENT, ALL WORK SHALL BE INSPECTED AND APPROVED BY THE OWNER OR HIS REPRESENTATIVE. FINAL PAYMENT WILL BE MADE AFTER ALL OF THE CONTRACTOR'S WORK HAS BEEN APPROVED AND ACCEPTED AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.~~

~~UPON AWARD OF THE CONTRACT AND WHEN REQUIRED BY THE OWNER, THE CONTRACTOR SHALL FURNISH A LABOR AND PERFORMANCE BOND IN THE PENAL SUM OF ONE HUNDRED PERCENT OF THE CONTRACT GUARANTEEING COMPLETION OF THE WORK. THE UNDERWRITER SHALL BE ACCEPTABLE TO THE OWNER.~~

~~THE CONTRACTOR SHALL FURNISH EVIDENCE OF INSURANCE ACCEPTABLE TO THE OWNER WITH THE OWNER NAMED AS ADDITIONAL NAME INSURED.~~

~~SPECIAL ATTENTION IS DRAWN TO SECTION 105 OF THE IDOT SPECIFICATIONS REQUIRING THE CONTRACTOR TO HAVE A COMPETENT SUPERINTENDENT ON THE PROJECT SITE AT ALL TIMES IRRESPECTIVE OF THE AMOUNT OF WORK SUBLET. THE SUPERINTENDENT SHALL BE CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS, SHALL HAVE FULL AUTHORITY TO EXECUTE ORDERS TO EXPEDITE THE PROJECT AND SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVE CONTROL OF ALL WORK AS THE AGENT OF THE CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN SUSPENSION OF WORK AS PROVIDED IN SECTION 108.~~

~~THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH OSHA AND ALL OTHER APPLICABLE SAFETY STANDARDS.~~

~~PART 4. FAMILIARITY WITH JOB SITE~~

~~THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH CONDITIONS AT THE JOB SITE PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY IF SITE CONDITIONS ARE SUCH THAT INHIBIT PROGRESS OF THE WORK.~~

~~THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE LOCATION OF ALL OVERHEAD UTILITY LINES AND BE RESPONSIBLE FOR HAVING ALL UNDERGROUND UTILITIES LOCATED BY SERVICING AGENCY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF UTILITY FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR DESTRUCTION OF UTILITY FACILITIES RESULTING FROM NEGLIGENCE OR MISCONDUCT IN THE CONTRACTOR'S MANNER OR METHOD OF EXECUTION OF THE WORK, OR CAUSED BY DEFECTIVE WORK OR THE USE OF UNSATISFACTORY MATERIALS. WHENEVER ANY DAMAGE OR DESTRUCTION OF A UTILITY FACILITY OCCURS AS A RESULT OF WORK PERFORMED BY THE CONTRACTOR, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY AND THE OWNER. THE ENGINEER DOES NOT WARRANT THE LOCATION OF ANY EXISTING UTILITIES SHOWN ON THE PLANS. THE CONTRACTOR SHALL CALL J.U.L.I.E. AT 800-892-0123 SUFFICIENTLY IN ADVANCE OF COMMENCING WORK.~~

~~PART 5. MISCELLANEOUS~~

~~THE CONTRACTOR SHALL CONFINE OPERATIONS, INCLUDING EQUIPMENT STARTUP, TO THE HOURS OF 7:00 AM TO 8:00 PM WEEKDAYS AND 8:00 AM TO 7:00 PM WEEKENDS AND HOLIDAYS.~~

~~CONTRACTOR SHALL VIDEO TAPE THE WORK AREA PRIOR TO CONSTRUCTION FOR THE PURPOSE OF DOCUMENTING THE EXISTING CONDITIONS.~~

~~THE CONTRACTOR SHALL NOTIFY THE OWNER AND/OR HIS REPRESENTATIVE AND THE AFFECTED GOVERNMENTAL AGENCIES IN WRITING AT LEAST THREE FULL WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL NOTIFY ALL NECESSARY TESTING AGENCIES SUFFICIENTLY IN ADVANCE OF COMMENCING WORK.~~

~~THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS OR HIGHWAYS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHORING, AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS BEFORE CONSTRUCTION BEGINS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE OWNER.~~

~~EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN THE PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.~~

~~LINE AND GRADE STAKES WILL BE SET ONE TIME AND ONE TIME ONLY BY THE SURVEYOR AT THE OWNER'S EXPENSE. CONTRACTOR SHALL NOTIFY THE SURVEYOR THAT STAKES WILL BE NEEDED AT LEAST THREE WORKING DAYS IN ADVANCE OF STARTING HIS WORK (ADDITIONAL NOTIFICATION SHALL BE PROVIDED PRIOR TO THE START OF INITIAL PROJECT CONSTRUCTION OPERATIONS). ANY AND ALL REQUIRED RESTAKING WILL BE PERFORMED BY THE SURVEYOR AT THE EXPENSE OF THE CONTRACTOR REQUIRING THE RESTAKING. IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO PROTECT STAKES PROVIDED FOR HIS USE AND TO REPORT TO THE OWNER AND/OR HIS REPRESENTATIVE ANY SPECIFIC INSTANCES OF VANDALISM OF STAKES PROVIDED.~~

~~THE PROPOSED ELEVATIONS SHOWN ON THE PLANS ARE FINISHED SURFACE ELEVATIONS UNLESS OTHERWISE SPECIFIED.~~

~~ALL TOP OF FRAMES FOR STORM SEWER MANHOLE COVERS REQUIRING ADJUSTMENT TO MEET FINAL FINISH GRADE SHALL BE SO ADJUSTED BY THE CONTRACTOR AND THE COST IS TO BE CONSIDERED INCIDENTAL TO THIS CONTRACT.~~

~~REMOVED EARTH, PIPES, PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC. SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS OWN EXPENSE AT LOCATIONS APPROVED BY THE OWNER. IF ON-SITE DISPOSAL IS NOT FEASIBLE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN OFF-SITE DISPOSAL SITE AT HIS OWN EXPENSE, INCLUDING ANY PERMIT COSTS.~~

~~ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION OPERATIONS SHALL BE KEPT INTACT, CONNECTED TO STORM SEWER, OR EXTENDED TO OUTLET INTO A DRAINAGEWAY. IF FIELD TILE IS DAMAGED DURING CONSTRUCTION, IT SHALL BE REPAIRED WITH NEW PIPE OF SIMILAR SIZE AND MATERIAL TO THE ORIGINAL AND PUT IN ACCEPTABLE OPERATING CONDITION. A RECORD OF THE LOCATION OF ALL FIELD TILE OR DRAIN PIPE ENCOUNTERED SHALL BE KEPT BY THE CONTRACTOR AND TRANSMITTED TO THE RECORD DRAWINGS UPON COMPLETION OF THE PROJECT. THE COST OF THIS WORK SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.~~

~~WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY MATERIAL IS DEPOSITED WITHIN DRAINAGEWAYS SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THIS MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORK DAY BY THE RESPONSIBLE PARTY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGEWAYS AND DRAINAGE STRUCTURES SHALL BE FREE FROM OBSTRUCTIONS AND DEBRIS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. DRAINAGE MAY BE ACHIEVED DURING CONSTRUCTION BY DITCHING, PUMPING, OR ANY OTHER ACCEPTABLE METHOD. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF.~~

~~ALL CONTRACTORS SHALL KEEP ACCESS AVAILABLE AT ALL TIMES FOR ALL TYPES OF TRAFFIC ESPECIALLY EMERGENCY VEHICLES. AT NO TIME SHALL ACCESS BE DENIED TO RESIDENCES AND BUSINESSES ADJACENT TO THE SITE.~~

~~THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFIC CONTROL DEVICES, AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION. BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 107 OF THE IDOT SPECIFICATIONS. ADEQUATE LIGHTING SHALL BE MAINTAINED FROM DUSK TO DAWN AT ALL LOCATIONS WHERE CONSTRUCTION OPERATIONS WARRANT OR AS DESIGNATED BY THE ENGINEER. ALL TRAFFIC CONTROL WORK SHALL BE DONE IN ACCORDANCE WITH THE IDOT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.~~

~~ALL PERMANENT IMPROVEMENTS WHICH ABUT THE PROPOSED IMPROVEMENT AND MUST BE REMOVED SHALL BE SAWED AS DIRECTED PRIOR TO REMOVAL. ALL ITEMS SO REMOVED SHALL BE REPLACED WITH SIMILAR CONSTRUCTION MATERIALS TO THEIR ORIGINAL CONDITION OR BETTER. PAYMENT FOR SAWING SHALL BE INCLUDED IN THE COST FOR REMOVAL OF EACH ITEM, AND REPLACEMENT WILL BE PAID UNDER THE RESPECTIVE ITEMS IN THE CONTRACT, UNLESS OTHERWISE INDICATED.~~

~~WHERE OVERHANGING BRANCHES INTERFERE WITH OPERATION OF CONSTRUCTION, SAID BRANCHES SHALL BE TRIMMED AND SEALED IN ACCORDANCE WITH SECTION 201 OF THE IDOT SPECIFICATIONS AND THE COST OF SAME SHALL BE INCIDENTAL TO THE CONTRACT. TREES SHALL BE REMOVED ONLY AFTER RECEIVING APPROVAL BY THE OWNER. THE OWNER SHALL DESIGNATE THOSE TREES WHICH ARE TO BE REMOVED. THE CONTRACTOR SHALL ALTER THE ALIGNMENT OF SEWERS AND ALTER GRADING AS SHOWN ON THE PLANS TO PRESERVE TREES. A CONTRACTOR REMOVING TREES WITHOUT OWNER'S APPROVAL WILL BE RESPONSIBLE FOR REPLACEMENT OF SAID TREES AS DIRECTED BY THE OWNER AT CONTRACTOR'S EXPENSE. IF TREES OR SHRUBS MUST BE REMOVED, THEY WILL BE PAID IN ACCORDANCE WITH THE SPECIFICATIONS.~~

~~ANY EXISTING SIGNS, LIGHTS STANDARDS, UTILITY POLES, MAIL BOXES, ETC. WHICH INTERFERE WITH CONSTRUCTION OPERATIONS AND NOT NOTED FOR REMOVAL OR DISPOSAL SHALL BE REMOVED AND RESET BY THE CONTRACTOR AT HIS OWN EXPENSE AS DIRECTED BY THE OWNER IN ACCORDANCE WITH IDOT SPECIFICATIONS. THIS SHALL BE CONSIDERED INCIDENTAL TO THIS CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. CONTRACTOR SHALL NOT BE RESPONSIBLE IF OWNER HAS PREVIOUSLY ARRANGED FOR SUCH REMOVAL OR MODIFICATION AT OWNER'S EXPENSE. ANY DAMAGE TO THESE ITEMS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE. ANY SIGNS NOT REQUIRED TO BE RESET SHALL BE DELIVERED TO THEIR RESPECTIVE OWNER.~~

~~THE CONTRACTOR SHALL COLLECT AND REMOVE ALL CONSTRUCTION DEBRIS, EXCESS MATERIALS, TRASH, OIL AND GREASE RESIDUE, MACHINERY, TOOLS, AND OTHER MISCELLANEOUS ITEMS WHICH WERE NOT PRESENT PRIOR TO PROJECT COMMENCEMENT AT NO ADDITIONAL EXPENSE TO THE OWNER. BURNING ON THE SITE IS NOT PERMITTED.~~

~~ALL EXISTING UTILITIES OR IMPROVEMENTS DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE PROMPTLY RESTORED TO THEIR RESPECTIVE ORIGINAL CONDITION.~~

~~ANY DEWATERING, WATER TRENCHES, AND TEMPORARY SHEETING OR BRACING THAT MAY BE REQUIRED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL NOT BE CONSIDERED EXTRA WORK. IN THE EVENT THAT SOFT MATERIALS ARE ENCOUNTERED IN SEWER CONSTRUCTION, THE CONTRACTOR, UPON APPROVAL OF THE OWNER AND/OR ENGINEER, SHALL OVER-EXCAVATE TO A DEPTH OF ONE FOOT BELOW THE BOTTOM OF THE PIPE AND BACKFILL WITH COMPACTED CRUSHED STONE, PROPERLY FORMED TO FIT THE BOTTOM OF THE PIPE.~~

~~THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF FACILITIES EXITING AND ENTERING THE SITE AND THAT ALL DIRT AND DEBRIS TRACKED ONTO EXISTING ROADS SHALL BE PROMPTLY REMOVED IN ACCORDANCE WITH THE SOIL EROSION CONTROL PLANS AND SPECIFICATIONS.~~

~~PRIOR TO INSTALLATION OR USE OF MATERIALS, THE CONTRACTOR SHALL SUBMIT TO THE OWNER SHOP DRAWINGS INCLUDING BUT NOT LIMITED TO AGGREGATE MATERIAL, PIPE MATERIALS, ETC.~~

~~THE CONTRACTOR SHALL PROVIDE ONE HARD AND ELECTRONIC COPY OF RECORD DRAWINGS TO THE OWNER PRIOR TO ANY REQUEST FOR FINAL INSPECTION. RECORD DRAWINGS SHALL INDICATE THE FINAL LOCATION, LAYOUT, AND ELEVATION OF ALL IMPROVEMENTS AND INCORPORATE ALL FIELD DESIGN CHANGES APPROVED BY THE OWNER.~~

TEMPORARY EROSION CONTROL

~~PART 1. GENERAL~~

~~SOIL EROSION CONTROL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND WITH ALL APPLICABLE COUNTY AND LOCAL ORDINANCES AND REGULATIONS.~~

~~ANY SOIL EROSION CONTROL MEASURES, IN ADDITION TO THOSE OUTLINED IN THESE PLANS AND WHICH ARE DEEMED NECESSARY BY THE OWNER AND/OR ENGINEER SHALL BE IMPLEMENTED BY THE CONTRACTOR.~~

~~BEFORE COMMENCING CLEARING AND SITE GRADING WORK, A CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS SHOWN ON THE PLANS. THE CONSTRUCTION ENTRANCE TO THE SITE SHALL BE STABILIZED WITH GRAVEL AS SHOWN ON THE PLANS PRIOR TO ANY WORK ON THE SITE. THE ENTRANCE SHALL BE MAINTAINED PERIODICALLY FOR ITS EFFECTIVENESS TO REMOVE DIRT WHICH COULD LEAVE THE SITE BY CONSTRUCTION VEHICLES. ALL ROADWAYS SHALL BE KEPT CLEAN AT ALL TIMES.~~

~~STREETS ADJACENT TO THE SITE SHALL BE KEPT FREE OF DIRT, MUD, AND DEBRIS.~~

~~THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND MAINTENANCE OF ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES.~~

~~THE CONTRACTOR SHALL INSPECT AND DOCUMENT EROSION CONTROL MEASURES AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND/OR WITHIN 24-HOURS OF THE END OF A STORM EVENT THAT IS 0.5-INCHES OR GREATER, OR EQUIVALENT SNOWFALL.~~

~~NO SEDIMENT SHALL BE ALLOWED TO ENTER THE EXISTING STORM SEWER SYSTEM. THE CONTRACTOR SHALL INSTALL DANDY BAGS OR APPROVED EQUIVALENT UNDER STORM STRUCTURE GRATES TO PREVENT SEDIMENT FROM ENTERING THE STORM SEWER SYSTEM.~~

~~ALL STORM SEWER, CATCH BASINS, AND SUMPS WITHIN THE PROJECT AREA ARE TO BE CLEANED AT THE END OF CONSTRUCTION OF THE PROJECT AND PRIOR TO FINAL ACCEPTANCE. CLEANING MAY ALSO BE REQUIRED DURING THE COURSE OF CONSTRUCTION OF THE PROJECT IF IT IS DETERMINED THAT THE SILT DEBRIS TRAPS ARE NOT PROPERLY FUNCTIONING AND THEIR PERFORMANCE IS IMPAIRED.~~

~~SOIL STOCKPILES SHALL BE LOCATED TO AVOID EROSION OF SAID STOCKPILE ONTO OFF-SITE AREAS OR INTO DRAINAGE WAYS/WATERWAYS. IF A STOCKPILE IS TO REMAIN IN PLACE MORE THAN THREE DAYS, IT SHALL BE FURNISHED WITH APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES SUCH AS SILT FENCES. STOCKPILES TO REMAIN FOR 30 DAYS OR MORE SHALL BE TEMPORARILY SEEDED.~~

~~THE TEMPORARY EROSION CONTROL MEASURES SHALL BE PLACE EFFECTIVELY UNTIL ALL THE PERMANENT EROSION CONTROL ITEMS ARE FULLY FUNCTIONAL.~~

~~THE GUARANTEE PERIOD SHALL BEGIN AFTER ALL THE PERMANENT EROSION CONTROL MEASURES ARE FULLY FUNCTIONAL AND ACCEPTABLE TO OWNER OR HIS REPRESENTATIVE.~~

~~UNLESS SOIL EROSION CONTROL ITEMS ARE SPECIFICALLY REFERRED TO AS BID ITEMS (SUCH AS TOPSOIL RESPREAD, SEEDING, ETC.), THEY ARE TO BE CONSIDERED AS INCIDENTAL TO THE COST OF THE CONTRACT.~~

~~UPON COMPLETION OF TOPSOIL RESPREAD OPERATIONS, ALL DISTURBED AREAS SHALL BE SEEDED, SODDED, OR LANDSCAPED AS NOTED ON THE PLAN.~~

~~SEEDING AND MULCHING SHALL BE IN ACCORDANCE WITH SECTIONS 250 AND 251 OF THE IDOT SPECIFICATIONS.~~

~~1.1 DESCRIPTION~~
~~A. TEMPORARY EROSION CONTROL SHALL INCLUDE TEMPORARY CONSTRUCTION MEASURES REQUIRED TO PREVENT THE MOVEMENT OF ERODED SEDIMENT AND CONTAMINANTS FROM THE CONSTRUCTION AREA OF THE SITE DURING CONSTRUCTION.~~

~~1.2 RELATED SECTIONS~~
~~A. SEEDING; COVER CROP SEEDING; GRADING, SLOPE PROTECTION CONSTRUCTION.~~

~~1.3 QUALITY ASSURANCE~~
~~A. QUALIFICATIONS OF WORKMEN: PROVIDE AT LEAST ONE PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK AND WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE OF EQUIPMENT BEING USED AND THESE PLANS AND SPECIFICATIONS. SAID PERSON SHALL DIRECT ALL WORK PERFORMED UNDER THIS SECTION.~~
~~B. STANDARDS: ALL MATERIALS, EQUIPMENT, AND PROCEDURES USED DURING THIS PORTION OF THE WORK SHALL MEET OR EXCEED APPLICABLE FEDERAL, STATE INCLUDING ILLINOIS EPA REQUIREMENTS, COUNTY AND LOCAL LAWS AND REGULATIONS.~~

~~1.4 SUBMITTALS~~
~~A. NOT APPLICABLE.~~

~~PART 2. PRODUCTS~~

~~2.1 MATERIALS~~
~~A. SOIL EROSION AND SEDIMENTATION CONTROL MATERIALS SHALL BE OF THE MATERIALS AND CONSTRUCTION SPECIFIED BY THE IDOT SPECIFICATIONS AND THE McHENRY COUNTY SOIL AND WATER CONSERVATION DISTRICT (SEE SOIL EROSION CONTROL DETAILS ON THE PLANS). IN THE EVENT OF ANY INCONSISTENCIES BETWEEN THESE TWO AGENCIES, THE McHENRY COUNTY SOIL AND WATER CONSERVATION DISTRICT SHALL PREVAIL.~~

~~PART 3. EXECUTION~~

~~3.1 GENERAL~~
~~A. CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES WHERE SHOWN ON THE PLANS AND AS DESCRIBED IN SECTIONS 250, 251, 252, 253, 254, 280 AND 1081 OF THE IDOT SPECIFICATIONS.~~
~~B. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SILT FENCE FOR EACH PHASE OF CONSTRUCTION UNTIL SLOPES ARE STABILIZED WITH 90% COVER OF COVER CROP AND/OR PERMANENT VEGETATION.~~
~~C. SILT FENCE STAKES SHALL BE INSTALLED ON 5-FOOT CENTERS ACCORDING TO SECTION 280 OF THE IDOT SPECIFICATIONS.~~

~~3.2 CLEAN-UP, REMOVAL, AND REPAIR~~
~~A. CLEAN UP: THE WORK AREA SHALL BE KEPT FREE OF DEBRIS BY THE CONTRACTOR. AT NO TIME SHALL TRASH OR OTHER MATERIAL BE ALLOWED TO ACCUMULATE AT THE PROJECT SITE. ALL TOOLS SHALL BE KEPT IN APPROPRIATE CARRYING CASES, TOOL BOXES, ETC. PARKING AREAS, ROADS, SIDEWALKS, PATHS, TRAILS, AND PAVED AREAS SHALL BE KEPT FREE OF MUD AND DIRT.~~
~~B. REMOVAL: THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL THE PERMANENT VEGETATION IS ESTABLISHED IN CONFORMANCE WITH THESE SPECIFICATIONS.~~
~~C. REPAIR: THE CONTRACTOR SHALL REPAIR ANY DAMAGES THAT OCCURRED DURING COMPLETION OF THE WORK DESCRIBED IN THIS SECTION. SAID DAMAGES MAY INCLUDE, BUT ARE NOT LIMITED TO, TIRE RUTS IN THE GROUND, DAMAGE TO PLANTED AREAS, DAMAGE TO TRAILS, ETC. ALL AREAS DAMAGED BY THE CONTRACTOR DURING THE EXECUTION OF THIS WORK SHALL BE REPAIRED BY CONTRACTOR AND RESTORED TO THE CONDITIONS SHOWN ON THE PLANS AT NO ADDITIONAL COST TO THE OWNER. ALL AREAS OUTSIDE OF THE CONSTRUCTION LIMITS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION GRADES AND STABILIZED WITH APPROPRIATE SEEDING OR PLANTING.~~

~~3.3 INSPECTION~~
~~A. AFTER INSTALLATION OF TEMPORARY EROSION CONTROL FOR EACH PHASE OF CONSTRUCTION AS SHOWN ON THE PLANS, THE CONTRACTOR SHALL SCHEDULE WITH THE OWNER A PROVISIONAL ACCEPTANCE INSPECTION OF THE WORK.~~
~~B. THE CONTRACTOR SHALL CONDUCT DAILY INSPECTIONS OF ALL FENCING TO ENSURE THAT IT IS MAINTAINED IN AN UPRIGHT POSITION.~~

~~3.4 ACCEPTANCE AND GUARANTEE~~
~~A. PROVISIONAL ACCEPTANCE: THE WORK SHALL BE CONSIDERED 90% COMPLETE UPON PROVISIONAL ACCEPTANCE BY THE OWNER. NO GRADING ACTIVITY FOR ANY PHASE OF CONSTRUCTION SHALL COMMENCE PRIOR TO PROVISIONAL ACCEPTANCE OF SOIL EROSION AND SEDIMENTATION CONTROL WORK DESCRIBED IN THIS SECTION FOR EACH PHASE OF CONSTRUCTION.~~
~~B. FINAL ACCEPTANCE: THE TEMPORARY EROSION CONTROL WORK SHALL BE CONSIDERED 100% COMPLETE AFTER THE CONTRACTOR HAS COMPLETED ALL CLEAN-UP, REMOVAL, AND REPAIR AS DESCRIBED IN 3.2 OF THIS SECTION.~~

TEMPORARY BARRIER FENCING

~~PART 1. GENERAL~~

~~1.1 DESCRIPTION~~
~~A. THIS SECTION INCLUDES THE DELINEATION OF DRAINAGE AND TEMPORARY CONSTRUCTION EASEMENTS AND CREEK ACCESS AREAS, AND THE PROTECTION OF TREES TO REMAIN, ADJACENT ROADWAYS, AND ADJACENT RESIDENCES FROM CONSTRUCTION ACTIVITY.~~

~~1.2 RELATED SECTIONS~~
~~A. GRADING, SOIL PREPARATION.~~

~~1.3 QUALITY ASSURANCE~~
~~A. QUALIFICATIONS OF WORKMEN: PROVIDE AT LEAST ONE PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK, WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE OF MATERIALS BEING INSTALLED AND BEST METHODS FOR THEIR INSTALLATION. SAID PERSON SHALL DIRECT ALL WORK PERFORMED UNDER THIS SECTION.~~
~~B. STANDARDS: ALL MATERIALS AND METHODS USED DURING THIS PORTION OF THE WORK SHALL MEET OR EXCEED APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL LAWS AND REGULATIONS.~~

~~1.4 SUBMITTALS~~
~~A. MATERIALS: THE CONTRACTOR SHALL SUBMIT TO THE OWNER FOR APPROVAL A COMPLETE LIST OF ALL MATERIALS TO BE USED DURING THIS PORTION OF THE WORK PRIOR TO DELIVERY OF ANY MATERIALS TO THE SITE. INCLUDE COMPLETE DATA ON SOURCE, AMOUNT AND QUALITY. THIS SUBMITTAL SHALL IN NO WAY BE CONSTRUED AS PERMITTING SUBSTITUTION FOR SPECIFIC ITEMS DESCRIBED ON THE PLANS OR IN THESE SPECIFICATIONS UNLESS APPROVED IN WRITING BY THE OWNER.~~
~~B. EQUIPMENT: THE CONTRACTOR SHALL PROVIDE A LIST OF EQUIPMENT AND A DESCRIPTION AND LOCATION OF ITS INTENDED USE, AND A LIST OF SAID PERSONS PERFORMING THE WORK AND THEIR QUALIFICATIONS FOR OPERATING AND MAINTAINING THE LISTED EQUIPMENT.~~

~~PART 2. PRODUCTS~~

~~2.1 MATERIALS~~
~~A. FENCING SHALL BE USED THAT MEETS THE FOLLOWING DESCRIPTION: 48" TALL HIGH-DENSITY POLYETHYLENE (HDPE) WITH A NOMINAL MESH OPENING SIZE OF 1.25" X 1.25" AND SHALL BE COLORED ORANGE.~~
~~B. FENCE POSTS SHALL BE METAL T POSTS 96" ON CENTER.~~
~~C. TREE PROTECTION FENCING SHALL BE OF THE MATERIALS AND CONSTRUCTION SPECIFIED BY THE VILLAGE OF ALGONQUIN (SEE TREE PROTECTION DETAIL ON THE PLANS).~~

~~PART 3. EXECUTION~~

~~3.1 METHOD~~
~~A. FENCING SHALL BE INSTALLED WHERE SHOWN ON THE PLANS AND IN ACCORDANCE WITH SECTION 201 OF THE IDOT SPECIFICATIONS.~~
~~B. STEEL POSTS SHALL BE DRIVEN 24" INTO THE GROUND AND SPACED NOT MORE THAN EIGHT (8) FEET ON CENTER. FENCING SHALL BE SECURED TO POSTS WITH PLASTIC ZIP TIES. A MINIMUM OF TWO TIES SHALL BE USED PER FENCE POST.~~
~~C. FENCING SHALL BE MAINTAINED AS LONG AS CONSTRUCTION IS UNDERWAY. FENCING SHALL BE PROMPTLY RE-SECURED AND FENCE POSTS RE-DRIVEN AS NEEDED TO MAINTAIN FENCING IN AN UPRIGHT POSITION.~~
~~D. CONTRACTOR SHALL BE RESPONSIBLE FOR UNDERSTANDING AND IMPLEMENTING THE TRAFFIC CONTROL PLAN.~~

~~3.2 CLEAN-UP, REMOVAL AND REPAIR~~
~~A. CLEAN UP: AFTER INSTALLATION OF FENCING IS COMPLETE, CLEAN UP ANY REMAINING MATERIALS, DEBRIS, TRASH, ETC. KEEP THE PROTECTED AREA FREE FROM CONSTRUCTION AND OTHER DEBRIS AT ALL TIMES.~~
~~B. REMOVAL: AFTER ALL WORK HAS BEEN COMPLETED REMOVE FENCING, POSTS, TIES, AND ALL OTHER DEBRIS.~~
~~C. REPAIR: THE CONTRACTOR SHALL REPAIR ANY DAMAGES THAT OCCURRED DURING COMPLETION OF THE WORK DESCRIBED IN THIS SECTION. SAID DAMAGES MAY INCLUDE, BUT ARE NOT LIMITED TO, TIRE RUTS IN THE GROUND, DAMAGE TO PLANTED AREAS, DAMAGE TO TRAILS, ETC. ALL AREAS DAMAGED BY THE CONTRACTOR DURING THE EXECUTION OF THIS WORK SHALL BE REPAIRED BY CONTRACTOR AND RESTORED TO THE CONDITIONS SHOWN ON THE PLANS AT NO ADDITIONAL COST TO THE OWNER. ALL AREAS OUTSIDE OF THE CONSTRUCTION LIMITS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION GRADES AND STABILIZED WITH APPROPRIATE SEEDING OR PLANTING.~~

~~3.3 INSPECTION~~
~~A. PRIOR TO THE COMMENCEMENT OF ANY OTHER WORK, THE CONTRACTOR SHALL SCHEDULE WITH THE OWNER A PROVISIONAL ACCEPTANCE OF THE FENCING.~~
~~B. THE CONTRACTOR SHALL CONDUCT DAILY INSPECTIONS OF ALL FENCING TO ENSURE THAT IT IS MAINTAINED IN AN UPRIGHT POSITION.~~

~~3.4 ACCEPTANCE AND GUARANTEE~~
~~A. PROVISIONAL ACCEPTANCE: THE WORK SHALL BE CONSIDERED 90% COMPLETE UPON PROVISIONAL ACCEPTANCE BY THE OWNER. NO GRADING ACTIVITY SHALL COMMENCE PRIOR TO FINAL ACCEPTANCE OF WORK DESCRIBED IN THIS SECTION.~~
~~B. FINAL ACCEPTANCE: THE WORK SHALL BE CONSIDERED 100% COMPLETE WHEN THE CONTRACTOR HAS COMPLETED ALL MAINTENANCE, REPAIR, CLEAN UP, AND REMOVAL AS DESCRIBED IN 3.2 OF THIS SECTION.~~

TREE REMOVAL AND ROOT PRUNING

~~PART 1. GENERAL~~

~~1.1 DESCRIPTION~~
~~A. THIS SECTION INCLUDES THE SELECTIVE REMOVAL AND DISPOSAL OF TREES AND THE ROOT PRUNING OF TREES TO REMAIN.~~

~~1.2 RELATED SECTIONS~~
~~A. GRADING.~~

~~1.3 QUALITY ASSURANCE~~
~~A. QUALIFICATIONS OF WORKMEN: PROVIDE AT LEAST ONE PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK, WHO SHALL BE THOROUGHLY FAMILIAR WITH THIS TYPE OF WORK AND THE TYPE OF MATERIALS BEING USED. SAID PERSON SHALL BE COMPETENT AT IDENTIFICATION OF PLANT MATERIALS TO BE CUT AND TO BE PRESERVED DURING THE SEASON (SPRING, SUMMER, AND FALL) WORK IS TO BE COMPLETED. SAID PERSON SHALL ALSO DIRECT ALL WORK PERFORMED UNDER THIS SECTION.~~
~~B. THE PROJECT ECOLOGIST MUST BE CONTACTED TO DESIGNATE AREAS OF TREE REMOVAL AND ROOT PRUNING PRIOR TO COMMENCEMENT OF ANY CLEARING. FAILURE TO DO SO RESULTING IN REMOVAL OF PROTECTED TREES MAY REQUIRE ADDITIONAL REPLACEMENT THAT SHALL BE PROVIDED AT THE CONTRACTOR'S EXPENSE.~~
~~C. STANDARDS: ALL MATERIALS USED DURING THIS PORTION OF THE WORK SHALL MEET OR EXCEED APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL LAWS AND REGULATIONS. THE USE OF ANY HERBICIDE SHALL FOLLOW DIRECTIONS GIVEN ON THE HERBICIDE LABEL. IN THE CASE OF A DISCREPANCY BETWEEN THESE SPECIFICATIONS AND THE HERBICIDE LABEL, THE LABEL SHALL PREVAIL.~~

~~1.4 SUBMITTALS~~
~~A. MATERIALS: THE CONTRACTOR SHALL SUBMIT TO THE OWNER FOR APPROVAL A COMPLETE LIST OF ALL MATERIALS TO BE USED DURING THIS PORTION OF THE WORK PRIOR TO DELIVERY OF ANY MATERIALS TO THE SITE. INCLUDE COMPLETE DATA ON SOURCE, AMOUNT AND QUALITY. THIS SUBMITTAL SHALL IN NO WAY BE CONSTRUED AS PERMITTING SUBSTITUTION FOR SPECIFIC ITEMS DESCRIBED ON THE PLANS OR IN THESE SPECIFICATIONS UNLESS APPROVED IN WRITING BY THE OWNER.~~
~~B. EQUIPMENT: THE CONTRACTOR SHALL PROVIDE A LIST OF EQUIPMENT AND A DESCRIPTION AND LOCATION OF ITS INTENDED USE, AND A LIST OF SAID PERSONS PERFORMING THE WORK AND THEIR QUALIFICATIONS FOR OPERATING AND MAINTAINING THE LISTED EQUIPMENT.~~
~~C. LICENSES: PRIOR TO ANY HERBICIDE USE THE CONTRACTOR SHALL SUBMIT TO THE OWNER A CURRENT COPY OF THE STATE OF ILLINOIS COMMERCIAL PESTICIDE APPLICATOR'S LICENSE, WITH CERTIFICATION IN THE FORESTRY CATEGORY, FOR EACH PERSON WHO WILL BE APPLYING HERBICIDE AT THE PROJECT SITE. A COPY OF EACH COMMERCIAL PESTICIDE APPLICATOR'S LICENSE MUST BE MAINTAINED ON SITE AT ALL TIMES DURING COMPLETION OF THE WORK.~~

~~PART 2. PRODUCTS~~

~~2.1 MATERIALS~~
~~A. NONE SPECIFIED.~~

NOTES:
SEE STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, AND STANDARD DETAILS FOR ADDITIONAL INFORMATION.

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Construction Notes & Specifications

AES Project No.:	09-0198 (02-527)
File Name:	020527cst20100528_Notes-1.dwg
Date:	11-30-2009
Drawn By:	EMK
Checked:	WWS
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Crystal Creek Realignment
Algonquin, Illinois
Village of Algonquin
125 Wilbrandt Street
Algonquin, Illinois 60102

Revisions:

No.	By	Date	Description
1	emk/gdp	02-26-10	Final AES review for ACOE submittal
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3			
4			
5			
6			
7			

Sheet Number
7 of 10

FILE NAME = ...\D160F72-sht-Towne Park-09.dgn	USER NAME = akw	DESIGNED - AES	REVISED -
		DRAWN - AES	REVISED -
	PLOT SCALE = 2.0000 ' / in.	CHECKED - AES	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CRYSTAL CREEK RELOCATION PLANS

SCALE: AS NOTED | SHEET NO. 7 OF 10 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	406

CONTRACT NO. 60F72

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

PART 3. EXECUTION

3.1 METHOD

A. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF OFF-SITE ALL WOODY SPECIES WITHIN THE CONSTRUCTION LIMITS, AS DESIGNATED ON THE PLANS, WHERE GRADING IS PROPOSED AND IN ALL OTHER AREAS AS SPECIFIED ON THE PLANS AND IN ACCORDANCE WITH SECTION 201 OF THE IDOT SPECIFICATIONS.

B. TREES SHALL BE REMOVED BY CUTTING WITH HAND TOOLS INCLUDING, BUT NOT NECESSARILY LIMITED TO, GAS POWERED CHAIN SAWS, GAS POWERED CLEARING SAWS, BOW SAWS, AND LOPPERS.

C. THE PROJECT ECOLOGIST MUST BE CONTACTED TO DESIGNATE AREAS OF TREE REMOVAL PRIOR TO COMMENCEMENT OF ANY CLEARING. FAILURE TO DO SO RESULTING IN REMOVAL OF PROTECTED TREES MAY REQUIRE ADDITIONAL REPLACEMENT THAT SHALL BE PROVIDED AT THE CONTRACTOR'S EXPENSE.

D. ALL STUMPS WITHIN THE GRADING LIMITS DESIGNATED ON THE PLAN FOR REMOVAL SHALL BE GRUBBED, UNLESS IT IS DETERMINED BY THE CONTRACTOR AND APPROVED BY THE OWNER THAT SOME STUMPS CAN REMAIN. STUMPS TO REMAIN SHALL BE CUT TO WITHIN 2 INCHES OF SURROUNDING GRADE AND TREATED IMMEDIATELY WITH AN APPROVED HERBICIDE.

E. ALL CUT MATERIAL SHALL BE HAULED TO A STAGING AREA FOR TEMPORARY STOCKPILE, THEN DISPOSED OF OFF-SITE. NO PILES SHALL REMAIN ON-SITE AT THE END OF EACH WORK DAY.

F. REMOVAL OF UNDESIRABLE WOODY SPECIES SHALL PREFERENTIALLY OCCUR WHEN THE GROUND IS FROZEN.

G. THE CONTRACTOR SHALL ROOT PRUNE TREES DESIGNATED TO REMAIN. ROOT PRUNING SHALL CONFORM TO THE OWNER'S SPECIFICATIONS.

H. ROOT PRUNING CUTS SHALL BE MADE TO A DISTANCE OF 4 FEET BEYOND THE TREE'S DRIP LINE ON EACH END. ALL ROOT PRUNING CUTS SHALL BE MADE TO A DEPTH OF 18 TO 24 INCHES AND BE PLACED 6 TO 12 INCHES CLOSER TO THE TREE THAN THE CONSTRUCTION LIMIT. THIS ALLOWS FOR ROOT REGENERATION, WITHIN THE 6 TO 12 INCH AREA, DURING THE CONSTRUCTION PERIOD. TRENCHES FORMED BY THIS PROCEDURE SHALL BE BACKFILLED THE SAME DAY UTILIZING THE SOIL REMOVED DURING THE OPERATION AND THE BACKFILL MATERIAL LIGHTLY TAMPED DOWN. (ROOT PRUNING CUTS MADE AT THE CONSTRUCTION LIMIT IS NOT PERMITTED BECAUSE THE CUT SURFACES OF THE ROOT REMAIN EXPOSED TO THE AIR, WHICH CAUSES DIEBACK FROM THIS POINT.)

I. CONSTRUCTION ACTIVITY AND STORAGE OF MATERIALS OR EXCAVATION SPOILS ARE NOT PERMITTED WITHIN THE 6 TO 12 INCH AREA OF ANY ROOT PRUNING CUT. FAILURE TO COMPLY WILL REQUIRE THE CONTRACTOR TO INSTALL PROTECTIVE FENCING ALONG THE ROOT PRUNING CUTS THROUGHOUT THE PROJECT.

J. A SUPPLY OF CHEMICAL ABSORBENT SHALL BE MAINTAINED AT THE PROJECT SITE. ANY CHEMICAL SPILLS SHALL BE PROPERLY CLEANED UP AND REPORTED TO THE OWNER WITHIN 24 HOURS.

K. THE CONTRACTOR SHALL MAINTAIN COPIES AT THE PROJECT SITE OF ALL CURRENT PESTICIDE APPLICATOR'S LICENSES, HERBICIDE LABELS, AND MSDS'S (MATERIAL SAFETY DATA SHEETS) FOR ALL CHEMICALS UTILIZED DURING COMPLETION OF THE WORK.

3.2 CLEAN-UP, REMOVAL AND REPAIR

A. CLEAN UP: THE WORK AREA SHALL BE KEPT FREE OF DEBRIS BY THE CONTRACTOR. AT NO TIME SHALL TRASH OR OTHER MATERIAL BE ALLOWED TO ACCUMULATE AT THE PROJECT SITE. ALL TOOLS SHALL BE KEPT IN APPROPRIATE CARRYING CASES, TOOL BOXES, ETC. PARKING AREAS, ROADS, SIDEWALKS, PATHS, TRAILS, AND PAVED AREAS SHALL BE KEPT FREE OF MUD AND DIRT.

B. REMOVAL: AFTER WORK HAS BEEN COMPLETED REMOVE TOOLS AND ALL OTHER DEBRIS GENERATED BY THE CONTRACTOR.

C. REPAIR: THE CONTRACTOR SHALL REPAIR ANY DAMAGES THAT OCCURRED DURING COMPLETION OF THE WORK DESCRIBED IN THIS SECTION. SAID DAMAGES MAY INCLUDE, BUT ARE NOT LIMITED TO, TIRE RUTS IN THE GROUND, DAMAGE TO PLANTED AREAS, DAMAGE TO TRAILS, ETC. ALL AREAS DAMAGED BY THE CONTRACTOR DURING THE EXECUTION OF THIS WORK SHALL BE REPAIRED BY CONTRACTOR AND RESTORED TO THE CONDITIONS SHOWN ON THE PLANS AT NO ADDITIONAL COST TO THE OWNER. ALL AREAS OUTSIDE OF THE CONSTRUCTION LIMITS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION GRADES AND STABILIZED WITH TURF, EXCEPT WHERE DESIGNATED OTHERWISE ON THE PLANTING PLAN.

3.3 INSPECTION

A. AFTER COMPLETION OF SELECTIVE TREE REMOVAL, THE CONTRACTOR SHALL SCHEDULE WITH THE OWNER A PROVISIONAL ACCEPTANCE INSPECTION OF THE WORK.

3.4 ACCEPTANCE AND GUARANTEE

A. FINAL ACCEPTANCE: THE WORK SHALL BE CONSIDERED 100% COMPLETE AFTER FINAL TREE REMOVAL IS COMPLETED, AND THE CONTRACTOR HAS COMPLETED ALL CLEAN UP, REMOVAL, AND REPAIR AS DESCRIBED IN 3.2 OF THIS SECTION.

GRADING

PART 1. GENERAL

CLEARING AND REMOVAL OF ALL UNDESIRABLE TREES AND OTHER VEGETATIVE GROWTH WITH THE CONSTRUCTION AREA SHALL BE AS DESIGNATED BY THE PLANS AND THE PROJECT ECOLOGIST. IF ADEQUATE AND APPROPRIATE SPACE IS NOT AVAILABLE ON SITE FOR REMOVED TREES AND OTHER VEGETATIVE GROWTH, THEY SHALL BE DISPOSED OFF SITE. NO BURNING SHALL BE PERMITTED ON SITE. THE CONTRACTOR SHALL COMPLY WITH LOCAL TREE ORDINANCES.

TREES AND SHRUBS DESIGNATED TO BE SAVED SHALL BE PROTECTED BY PLACING HIGHLY VISIBLE CONSTRUCTION FENCING ALONG THEIR DRIP LINES. TREES DESIGNATED FOR RELOCATION AND/OR TEMPORARILY STORED FOR TRANSPLANTING SHALL BE PROTECTED IN THE SAME MANNER. WHERE REQUIRED BY OWNER, TRUNKS OF DESIGNATED TREES SHALL BE PROTECTED WITH STRAPPED 2" X 6' PLANKING FROM THE BASE TO A HEIGHT OF EIGHT FEET.

TOPSOIL SHALL BE STOCKPILED AS DIRECTED BY THE OWNER. TOPSOIL STOCKPILED FOR FUTURE USE SHALL BE RELATIVELY FREE OF LARGE ROOTS, STICKS, WEEDS, BRUSH, STONES LARGER THAN ONE ONE INCH DIAMETER, OR OTHER LITTER AND WASTE PRODUCTS INCLUDING EXTRANEOUS MATERIALS NOT CONDUCIVE TO PLANT GROWTH.

MATERIALS SHALL BE STOCKPILED IN SEQUENCE TO MINIMIZE REHANDLING. FAILURE TO PROPERLY SEQUENCE THE STOCKPILE OPERATIONS SHALL NOT CONSTITUTE A CLAIM FOR ADDITIONAL COMPENSATION. NO MATERIAL SHALL BE STOCKPILED IN RESIDENTIAL YARDS, DRAINAGEWAYS, FLOOD ROUTING AREAS, WETLANDS, PROPOSED UTILITY LOCATIONS, UTILITY EASEMENTS OR RIGHTS-OF-WAY. ABSOLUTELY NO MATERIALS WILL BE STOCKPILED OR DISPOSED UNDER THE CANOPIES OF TREES DESIGNATED FOR PROTECTION.

UNSUITABLE MATERIALS SHALL BE REMOVED FROM ROADWAY, DRIVEWAY/PARKING, AND OTHER DESIGNATED AREAS AND DISPOSED OF OFF-SITE UPON COMPLETION OF MASS GRADING.

DEMOLITION AND REMOVAL OF EXISTING MATERIALS INCLUDING OFF-SITE DISPOSAL OF SAME SHALL BE AT A LEGAL DISPOSAL SITE SELECTED BY THE CONTRACTOR. ON SITE DISPOSAL WILL ONLY BE ALLOWED IF EXPRESSLY APPROVED BY THE OWNER IN WRITING.

CLAY CUT AND FILL SHALL INCLUDE COMPACTION WITHIN ROADWAYS, TRAILS, DRIVEWAY/PARKING AREAS, BUILDING PADS, AND OTHER DESIGNATED AREAS. PLACEMENT AND COMPACTION OF CLAY SHALL BE PROVIDED AS SPECIFIED IN THE IDOT SPECIFICATIONS TO THE DESIGN SUBGRADE ELEVATIONS. THE CONTRACTOR WILL NOTE THAT THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADE ELEVATIONS AND THAT PAVEMENT, TOPSOIL REPLACEMENT, AND SOIL STABILIZATION TECHNIQUE THICKNESS MUST BE SUBTRACTED TO DETERMINE SUBGRADE ELEVATIONS. FINAL SHAPING AND TRIMMING TO THE LINES, GRADES, AND CROSS-SECTIONS SHOWN ON THE PLANS SHALL BE TO DESIGN FINISHED GRADE ELEVATIONS.

THE QUANTITIES GIVEN IN THE ENGINEER'S SUMMARY FOR EARTHWORK ARE INTENDED AS A GUIDE FOR THE CONTRACTOR IN DETERMINING SCOPE OF THE COMPLETED PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALL MATERIAL QUANTITIES HIMSELF AND APPRAISE ALL SITE CONDITIONS. THE CONTRACT PRICE SUBMITTED BY THE CONTRACTOR SHALL BE CONSIDERED AS LUMP SUM FOR THE COMPLETE PROJECT. NO CLAIMS FOR EXTRA WORK WILL BE RECOGNIZED UNLESS ORDERED IN WRITING BY THE OWNER.

PRIOR TO ONSET OF MASS GRADING OPERATIONS AND, IF INCLUDED IN THIS CONTRACT, THE EARTHWORK CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SOIL EROSION CONTROL SPECIFICATIONS. THE INITIAL ESTABLISHMENT OF EROSION CONTROL PROCEDURES AND THE PLACEMENT OF FILTERS, FENCING, ETC. TO PROTECT ADJACENT PROPERTY SHALL OCCUR BEFORE MASS GRADING BEGINS AND IN ACCORDANCE WITH THE SOIL EROSION CONTROL CONSTRUCTION SCHEDULE.

THE GRADING OPERATIONS ARE TO BE CLOSELY SUPERVISED AND INSPECTED BY THE SOILS ENGINEER OR HIS REPRESENTATIVE PARTICULARLY DURING THE REMOVAL OF UNSUITABLE MATERIAL AND THE CONSTRUCTION OF EMBANKMENTS. ALL TESTING, INSPECTION, AND OTHER SOIL RELATED OPERATIONS SHALL BE ENTIRELY THE RESPONSIBILITY OF THE SOILS ENGINEER.

A QUALIFIED SOILS ENGINEER SHALL REGULARLY INSPECT THE EXCAVATION OF STORMWATER TREATMENT AREAS TO ENSURE THAT THEY ARE CAPABLE OF MAINTAINING DESIGNED WATER LEVELS. GRAVEL OR SAND SEAMS OR OTHER CONDITIONS WHICH MAY BE ENCOUNTERED SHALL BE REVIEWED BY THE SOILS ENGINEER FOR COMPATIBILITY WITH THE DESIGN INTENT.

THE PROPOSED GRADING ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADE. A MINIMUM OF SIX INCHES OF TOPSOIL IS TO BE PLACED BEFORE FINISHED GRADE ELEVATIONS ARE ACHIEVED WITHIN PLANTING AREAS.

STRUCTURAL FILL MATERIAL SHALL BE PLACED IN LEVEL, UNIFORM LAYERS SO THAT THE COMPACTED THICKNESS IS APPROXIMATELY SIX (6) INCHES. IF COMPACTION EQUIPMENT DEMONSTRATES THE ABILITY TO COMPACT A GREATER THICKNESS, AS DETERMINED BY SOIL ENGINEER, THEN A MAXIMUM THICKNESS OF NINE (9) INCHES MAY BE SPECIFIED. EACH LAYER SHALL BE THOROUGHLY MIXED DURING SPREADING TO ENSURE UNIFORMITY.

EMBANKMENT MATERIAL WITHIN ROADWAY, DRIVEWAY/PARKING AREAS, AND OTHER STRUCTURAL CLAY FILL AREAS SHALL BE COMPACTED TO A MINIMUM OF NINETY-FIVE PERCENT (95%) OF MODIFIED PROCTOR DENSITY (ASTM D-1557), OR TO SUCH DENSITY AS MAY BE DETERMINED APPROPRIATE BY THE SOIL ENGINEER.

EMBANKMENT FILL WITH NON-STRUCTURAL MATERIALS APPROVED BY THE SOIL ENGINEER SHALL BE COMPACTED EIGHTY PERCENT (80%) TO EIGHTY-FIVE (85%) STANDARD PROCTOR DENSITY (ASTM D-698), OR TO SUCH DENSITY AS MAY BE DETERMINED APPROPRIATE BY THE SOIL ENGINEER. REPEATED USE OF TRACKED EQUIPMENT OVER AREA SHOULD BE ADEQUATE TO ACCOMPLISH REQUIRED DENSITY.

EMBANKMENT FILL FOR STREAM CONSTRUCTION SHALL BE COMPACTED EIGHTY PERCENT (80%) TO EIGHTY-FIVE (85%) STANDARD PROCTOR DENSITY (ASTM D-698) ON BANKS ABOVE THE ROCK PROTECTION AND EIGHTY-FIVE (85%) TO NINETY PERCENT (90%) STANDARD PROCTOR DENSITY ON THE STREAM BED AND LOWER FOOT OF THE BANK, OR TO SUCH DENSITIES AS MAY BE DETERMINED APPROPRIATE BY THE SOIL ENGINEER..

THE SURFACE VEGETATION, TOPSOIL, AND ANY OBVIOUSLY SOFT UNDERLYING SOIL SHALL BE STRIPPED FROM ALL AREAS TO RECEIVE CLAY FILL. IF THE UNDERLYING SUBGRADE SOILS RUT DEEPER THAN ONE INCH UNDER CONSTRUCTION EQUIPMENT OR IF THE MOISTURE CONTENT EXCEEDS THAT NEEDED FOR PROPER COMPACTION, THE SOIL SHALL BE SCARIFIED, DRIED, AND RECOMPACTED TO THE REQUIRED SPECIFICATIONS.

PRIOR TO UTILITY CONSTRUCTION, PROPOSED GRADING AREAS SHALL BE ROUGH GRADED BY THE CONTRACTOR TO PLUS OR MINUS ONE FOOT OF DESIGN ELEVATIONS.

UPON COMPLETION OF THE SURFACE GRADING IMPROVEMENTS, THE CONTRACTOR SHALL RESPREAD A SIX INCH LAYER OF TOPSOIL ON ALL PLANTING AREAS.

RIP-RAP MATERIAL, AGGREGATE MATERIAL, AND ASSOCIATED GEOTEXTILE FILTERS SHALL CONFORM TO SECTIONS 210, 281, 1003, 1004, 1005, AND 1080 OF THE IDOT SPECIFICATIONS.

SOIL BORING REPORT, AVAILABLE AT THE OFFICES OF THE ENGINEER AND THE OWNER, ARE SOLELY FOR THE INFORMATION AND GUIDANCE OF THE ENGINEER, OWNER, AND CONTRACTOR. THE ENGINEER MAKES NO REPRESENTATION OR WARRANTY REGARDING THE INFORMATION CONTAINED IN THE SOIL BORING REPORT. THE CONTRACTOR SHALL MAKE HIS OWN INVESTIGATIONS AND SHALL PLAN HIS WORK ACCORDINGLY. ARRANGEMENTS TO ENTER THE PROJECT SITE DURING THE BIDDING PHASE MAY BE MADE UPON REQUEST OF THE OWNER. THERE WILL BE NO ADDITIONAL PAYMENT FOR EXPENSES INCURRED BY THE CONTRACTOR RESULTING FROM ADVERSE SOIL OR GROUND WATER CONDITIONS.

1.1 DESCRIPTION

A. GRADING SHALL INCLUDE ALL CLEARING; GRUBBING; REMOVAL OF WALLS, FOUNDATIONS, AND OTHER STRUCTURAL ELEMENTS WITHIN THE LIMITS OF CONSTRUCTION; EXCAVATION STOCKPILINGS AND REPLACEMENT; TOPSOIL EXCAVATION, STOCKPILE AND REPLACEMENT; ROCK AND COBBLE REMOVAL, STOCKPILING AND REPLACEMENT CONSTRUCTION AS SHOWN ON THE PLANS, DETAILED IN THESE SPECIFICATIONS, AND IN ACCORDANCE WITH SECTIONS 202 THROUGH 214, 282, AND 1080 OF THE IDOT SPECIFICATIONS.

1.2 RELATED SECTIONS

A. TEMPORARY EROSION CONTROL, TEMPORARY BARRIER FENCING, SLOPE PROTECTION CONSTRUCTION, COVER CROP SEEDING, SEEDING.

1.3 QUALITY ASSURANCE

A. QUALIFICATIONS OF WORKMEN: PROVIDE AT LEAST ONE PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK AND WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE OF EQUIPMENT BEING USED AND THESE PLANS AND SPECIFICATIONS. SAID PERSON SHALL DIRECT ALL WORK PERFORMED UNDER THIS SECTION.

B. STANDARDS: ALL MATERIALS, EQUIPMENT, AND PROCEDURES USED DURING THIS PORTION OF THE WORK SHALL MEET OR EXCEED APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL LAWS AND REGULATIONS.

1.4 SUBMITTALS

A. MATERIALS: THE CONTRACTOR SHALL SUBMIT TO THE OWNER FOR APPROVAL A COMPLETE LIST OF ALL MATERIALS TO BE USED DURING THIS PORTION OF THE WORK PRIOR TO DELIVERY OF ANY MATERIALS TO THE SITE. INCLUDE COMPLETE DATA ON SOURCE, AMOUNT AND QUALITY. THIS SUBMITTAL SHALL IN NO WAY BE CONSTRUED AS PERMITTING SUBSTITUTION FOR SPECIFIC ITEMS DESCRIBED ON THE PLANS OR IN THESE SPECIFICATIONS UNLESS APPROVED IN WRITING BY THE OWNER.

B. EQUIPMENT: THE CONTRACTOR SHALL PROVIDE A LIST OF EQUIPMENT AND A DESCRIPTION AND LOCATION OF ITS INTENDED USE, AND A LIST OF SAID PERSONS PERFORMING THE WORK AND THEIR QUALIFICATIONS FOR OPERATING AND MAINTAINING THE LISTED EQUIPMENT.

C. AFTER THE WORK IS COMPLETED THE CONTRACTOR SHALL SUBMIT TO THE OWNER RECORD DRAWINGS. THE CONTRACTOR SHALL MARK IN RED INK ON THE ORIGINAL PLANS ANY FIELD CHANGES OR DEVIATIONS FROM THE ORIGINAL PLANS.

PART 2. PRODUCTS

2.1 MATERIALS

A. TOPSOIL SHALL BE SUITABLE ORGANIC SOIL OBTAINED FROM ON SITE SOURCES OR AS APPROVED BY THE OWNER. ALL TOPSOIL SHALL BE APPROVED BY THE OWNER BEFORE USE.

B. UNCLASSIFIED EXCAVATION SHALL CONSIST OF SOIL, WHICH IS NOT TOPSOIL, GRAVEL OR COBBLE.

C. GRAVEL AND COBBLE TO BE PLACED IN RECONSTRUCTED OR STABILIZED CREEK CHANNEL AREAS SHALL BE ROCK MATERIAL FOUND IN THE BED OF THE EXISTING CHANNEL AND AS SIZED PER THE PLAN.

PART 3. EXECUTION

3.1 GENERAL

A. THE CONTRACTOR SHALL PROVIDE TEMPORARY MEANS OF PREVENTING EROSION OF EXCAVATED MATERIALS INTO ANY WATERCOURSE PER THE PLANS. SUCH MEASURES SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER.

B. THE CONTRACTOR SHALL PROVIDE CONTROL AND GRADE STAKES FOR THE GRADING CONSTRUCTION.

C. PLANTING AREAS SHALL BE CONSTRUCTED TO +/- 0.3 FEET OF THE GRADES SHOWN ON THE PLANS. STREAM BED GRADING SHALL BE CONSTRUCTED TO +/- 0.1 FEET OF THE GRADES SHOWN ON THE PLANS.

3.2 CLEARING AND GRUBBING

A. GENERAL - THE FOLLOWING ITEMS SHALL BE PERFORMED WHEREVER THEY OCCUR WITHIN THE PROJECT BOUNDARY. MATERIALS DESIGNATED FOR DISPOSAL SHALL BE DISPOSED OF BY REMOVAL FROM THE SITE. THESE MATERIALS SHALL NOT BE DISPOSED OF BY BURNING.

B. CLEARING - CLEARING SHALL CONSIST OF THE REMOVAL AND DISPOSAL OF ALL OBSTRUCTIONS SUCH AS FENCES, WALLS, ACCUMULATIONS OF RUBBISH OF WHATEVER NATURE AND EXISTING STRUCTURES, LOGS, SHRUBS, BRUSH, GRASS, LEAVES, AND OTHER VEGETATION. CLEARING MAY BE PHASED AT THE OWNER'S REQUEST SUCH THAT THE REMOVAL OF STUMPS ARE DELAYED TO MINIMIZE THE EROSION POTENTIAL DURING CONSTRUCTION.

C. GRUBBING - SHALL INCLUDE REMOVAL OF ALL STUMPS WITHIN THE CONSTRUCTION LIMITS.

3.3 TOPSOIL EXCAVATION, STOCKPILING, BORROW AND REPLACEMENT

A. TOPSOIL EXCAVATION SHALL CONSIST OF THE STRIPPING OF ANY EXISTING TOPSOIL FROM THE EXCAVATION AREAS, TEMPORARY STOCKPILE OF EXCAVATED TOPSOIL, AND THE TOPSOIL REPLACEMENT SHOWN ON THE PLANS. TOPSOIL MAY BE STOCKPILED ON-SITE WITHIN THE LIMITS OF CONSTRUCTION, TEMPORARY CONSTRUCTION EASEMENT, OR TEMPORARILY STOCKPILED OFF-SITE AT A LOCATION SELECTED AND PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE PERMANENT DISPOSAL OF TOPSOIL THAT IS NOT BE REPLACED ON SITE AS PART OF THIS WORK.

B. TOPSOIL REPLACEMENT SHALL CONSIST OF RE-SPREADING THE TOPSOIL TO DEPTHS SHOWN ON THE PLANS AND THE PREPARATION OF THIS TOPSOIL FOR PLANTING. TOPSOIL STOCKPILED SHALL BE ENCLOSED WITH SILT FENCE.

3.4 EXCAVATION

A. EXCAVATION SHALL CONSIST OF THE EXCAVATION OF ALL EARTHEN MATERIALS (EXCEPT TOPSOIL) LYING BELOW THE TOPSOIL REPLACEMENT ELEVATION SHOWN ON THE PLANS. THIS EXCAVATION SHALL INCLUDE CUT, STOCKPILING, AND UNCLASSIFIED FILL. EXCAVATION INTENDED FOR UNCLASSIFIED FILL MAY BE STORED ON-SITE WITHIN THE LIMITS OF CONSTRUCTION, TEMPORARY CONSTRUCTION EASEMENT, OR TEMPORARILY STOCKPILED OFF-SITE AT A LOCATION SELECTED AND PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE PERMANENT DISPOSAL OF EXCAVATION MATERIAL THAT IS NOT USED FOR UNCLASSIFIED FILL. EXCAVATION STOCKPILED SHALL BE ENCLOSED WITH SILT FENCE.

3.5 CLEAN-UP, REMOVAL, AND REPAIR

A. CLEAN UP: THE WORK AREA SHALL BE KEPT FREE OF DEBRIS BY THE CONTRACTOR. AT NO TIME SHALL TRASH OR OTHER MATERIAL BE ALLOWED TO ACCUMULATE AT THE PROJECT SITE. ALL TOOLS SHALL BE KEPT IN APPROPRIATE CARRYING CASES, TOOL BOXES, ETC. PARKING AREAS, ROADS, SIDEWALKS, PATHS, TRAILS, AND PAVED AREAS SHALL BE KEPT FREE OF MUD AND DIRT.

B. REMOVAL: AFTER WORK HAS BEEN COMPLETED REMOVE TOOLS AND ALL OTHER DEBRIS GENERATED BY THE CONTRACTOR.

C. REPAIR: THE CONTRACTOR SHALL REPAIR ANY DAMAGES THAT OCCURRED DURING COMPLETION OF THE WORK DESCRIBED IN THIS SECTION. SAID DAMAGES MAY INCLUDE, BUT ARE NOT LIMITED TO, TIRE RUTS IN THE GROUND, DAMAGE TO PLANTED AREAS, DAMAGE TO TRAILS, ETC. ALL AREAS DAMAGED BY THE CONTRACTOR DURING THE EXECUTION OF THIS WORK SHALL BE REPAIRED BY CONTRACTOR AND RESTORED TO THE CONDITIONS SHOWN ON THE PLANS AT NO ADDITIONAL COST TO THE OWNER. ALL AREAS OUTSIDE OF THE CONSTRUCTION LIMITS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION GRADES AND STABILIZED WITH APPROPRIATE SEED OR PLANTINGS.

3.6 INSPECTION

A. PRIOR TO THE COMMENCEMENT OF PLANTING CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A PROVISIONAL ACCEPTANCE OF THE GRADING FROM THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING A PROVISIONAL ACCEPTANCE INSPECTION WITH THE OWNER.

3.7 ACCEPTANCE AND GUARANTEE

A. PROVISIONAL ACCEPTANCE: THE WORK SHALL BE PROVISIONALLY ACCEPTED BY THE OWNER PRIOR TO ANY SEEDING OR PLANTING CONSTRUCTION. IF THE OWNER CONSIDERS THE GRADING WORK TO BE IN SUBSTANTIAL COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, THE WORK SHALL BE PROVISIONALLY ACCEPTED AND CONSIDERED 90% COMPLETE.

B. FINAL ACCEPTANCE: THE GRADING WORK SHALL BE CONSIDERED 100% COMPLETE AFTER THE CONTRACTOR HAS COMPLETED ALL CLEAN-UP, REMOVAL, AND REPAIR AS DESCRIBED IN 3.5 OF THIS SECTION.

SOIL PREPARATION

PART 1. GENERAL

1.1 DESCRIPTION

A. THIS SECTION INCLUDES PREPARATION OF SOIL PRIOR TO SEEDING AND/OR PLANTING IN AREAS DESIGNATED FOR EMERGENT, WET PRAIRIE, MESIC PRAIRIE, AND SAVANNA PLANT COMMUNITIES.

1.2 RELATED SECTIONS

A. GRADING AND SEEDING.

1.3 QUALITY ASSURANCE

A. QUALIFICATIONS OF WORKMEN: PROVIDE AT LEAST ONE PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK, WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE AND OPERATION OF EQUIPMENT BEING USED. SAID PERSON SHALL DIRECT ALL WORK PERFORMED UNDER THIS SECTION.

B. STANDARDS: ALL MATERIALS, EQUIPMENT, AND PROCEDURES USED DURING THIS PORTION OF THE WORK SHALL MEET OR EXCEED APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL LAWS AND REGULATIONS.

1.4 SUBMITTALS

A. EQUIPMENT: THE CONTRACTOR SHALL PROVIDE A LIST OF EQUIPMENT AND A DESCRIPTION AND LOCATION OF ITS INTENDED USE, AND A LIST OF SAID PERSONS PERFORMING THE WORK AND THEIR QUALIFICATIONS FOR OPERATING AND MAINTAINING THE LISTED EQUIPMENT.

PART 2. PRODUCTS

2.1 MATERIALS

A. NONE SPECIFIED.

PART 3. EXECUTION

3.1 METHOD

A. PRIOR TO SEEDING AND PLANTING, CONTRACTOR SHALL CHECK COMPACTION OF TOPSOIL (0-6" DEPTH) AND NORMAL SUBSOIL DEPTH (6-12" DEPTH). A 150 LB. PERSON SHOULD LEAVE NO GREATER THAN A ¼" DEEP FOOTPRINT.

B. PRIOR TO SEEDING AND PLANTING, AREAS DISTURBED BY CONSTRUCTION VEHICLES AND TRAFFIC SHALL BE RESTORED TO GRADE, RAKED AND CHECKED FOR COMPACTION AS IN 3.1A.

C. PRIOR TO SEEDING AND PLANTING, AREAS NOT REGRADED AND CONTAINING TURF, OLD FIELD, OR OTHER NON-NATIVE HERBACEOUS VEGETATION SHALL BE HEBICIDED TWICE (2X) AND DISCED ONCE (1X) BETWEEN HERBICIDE TREATMENTS TO PREPARE THE AREAS FOR SEEDING. SEEDING AND PLANTING SHALL BE DONE NO SOONER THAN 2 WEEKS AFTER THE LAST HERBICIDE TREATMENT.

3.2 CLEAN-UP, REMOVAL AND REPAIR

A. CLEAN UP: THE WORK AREA SHALL BE KEPT FREE OF DEBRIS BY THE CONTRACTOR. AT NO TIME SHALL TRASH OR OTHER MATERIAL BE ALLOWED TO ACCUMULATE AT THE PROJECT SITE. ALL TOOLS SHALL BE KEPT IN APPROPRIATE CARRYING CASES, TOOL BOXES, ETC. PARKING AREAS, ROADS, SIDEWALKS, PATHS, TRAILS, AND PAVED AREAS SHALL BE KEPT FREE OF MUD AND DIRT.

B. REMOVAL: AFTER WORK HAS BEEN COMPLETED REMOVE TOOLS AND ALL OTHER DEBRIS GENERATED BY THE CONTRACTOR.

C. REPAIR: THE CONTRACTOR SHALL REPAIR ANY DAMAGES THAT OCCURRED DURING COMPLETION

D. OF THE WORK DESCRIBED IN THIS SECTION. SAID DAMAGES MAY INCLUDE, BUT ARE NOT LIMITED TO, TIRE RUTS IN THE GROUND, DAMAGE TO PLANTED AREAS, DAMAGE TO TRAILS, ETC. ALL AREAS DAMAGED BY THE CONTRACTOR DURING THE EXECUTION OF THIS WORK SHALL BE REPAIRED BY CONTRACTOR AND RESTORED TO THE CONDITIONS SHOWN ON THE PLANS AT NO ADDITIONAL COST TO THE OWNER. ALL AREAS OUTSIDE OF THE CONSTRUCTION LIMITS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION GRADES AND STABILIZED WITH APPROPRIATE SEED OR PLANTINGS.

3.3 INSPECTION

A. AFTER COMPLETION OF SOIL PREPARATION, THE CONTRACTOR SHALL SCHEDULE WITH THE OWNER A FINAL ACCEPTANCE INSPECTION OF SOIL PREPARATION.

3.4 ACCEPTANCE

A. FINAL ACCEPTANCE: THIS PORTION OF THE WORK SHALL BE CONSIDERED 100% COMPLETE AFTER THE CONTRACTOR HAS COMPLETED SOIL PREPARATION, AND COMPLETED ALL REQUIRED CLEAN UP AS DESCRIBED IN 3.2 OF THIS SECTION.

COVER CROP SEEDING

PART 1. GENERAL

1.1 DESCRIPTION

A. THIS SECTION INCLUDES INSTALLATION OF COVER CROP SEED IN ANY AREA OF DISTURBED SOIL, INCLUDING TEMPORARY CONSTRUCTION ACCESS AND CONSTRUCTION TRAFFIC AREAS, IMMEDIATELY FOLLOWING THE DISTURBANCE AND PRIOR TO SEEDING.

1.2 RELATED SECTIONS

A. SOIL PREPARATION AND SEEDING.

1.3 QUALITY ASSURANCE

A. QUALIFICATIONS OF WORKMEN: PROVIDE AT LEAST ONE PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK, WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE AND OPERATION OF EQUIPMENT BEING USED. SAID PERSON SHALL DIRECT ALL WORK PERFORMED UNDER THIS SECTION.

B. STANDARDS: ALL MATERIALS AND METHODS USED DURING THIS PORTION OF THE WORK SHALL MEET OR EXCEED APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL LAWS AND REGULATIONS. ALL SEED SHALL BE FREE FROM INSECTS AND DISEASE. SPECIES SHALL BE TRUE TO THEIR SCIENTIFIC NAME AS SPECIFIED.

1.4 SUBMITTALS

A. MATERIALS: THE CONTRACTOR SHALL SUBMIT TO THE OWNER FOR APPROVAL A COMPLETE LIST OF ALL MATERIALS TO BE USED DURING THIS PORTION OF THE WORK PRIOR TO DELIVERY OF ANY MATERIALS TO THE SITE. INCLUDE COMPLETE DATA ON SOURCE, AMOUNT AND QUALITY. THIS SUBMITTAL SHALL IN NO WAY BE CONSTRUED AS PERMITTING SUBSTITUTION FOR SPECIFIC ITEMS DESCRIBED ON THE PLANS OR IN THESE SPECIFICATIONS UNLESS APPROVED IN WRITING BY THE OWNER.

B. EQUIPMENT: THE CONTRACTOR SHALL PROVIDE A LIST OF EQUIPMENT AND A DESCRIPTION AND LOCATION OF ITS INTENDED USE, AND A LIST OF SAID PERSONS PERFORMING THE WORK AND THEIR QUALIFICATIONS FOR OPERATING AND MAINTAINING THE LISTED EQUIPMENT.

PART 2. PRODUCTS

2.1 MATERIALS

A. ALL GRASS SPECIES SHALL BE SUPPLIED AS PURE LIVE SEED.

B. STRAW OR HAY FOR EROSION CONTROL SHALL BE CLEAN, SEED-FREE HAY OR THRESHED STRAW OF WHEAT, RYE, OATS, OR BARLEY.

PART 3. EXECUTION

3.1 METHOD

A. IF PLANTED IN SPRING, SEEDS SHALL HAVE PROPER STRATIFICATION AND/OR SCARIFICATION TO BREAK SEED DORMANCY.

B. ALL SEED SHALL BE PREFERENTIALLY INSTALLED WITH A RANGELAND TYPE GRAIN DRILL OR NO-TILL PLANTER, SUCH AS BY TRUAX, OR EQUIVALENT AS APPROVED IN WRITING BY THE OWNER.

C. IF SOIL IS TOO WET OR GRADE IS TOO STEEP TO INSTALL SEED AS DESCRIBED IN 3.1B., A MECHANICAL BROADCAST SEEDER, SUCH AS BY CYCLONE, SHALL BE USED. HAND BROADCASTING OF SEED MAY ALSO BE EMPLOYED. WITHIN 24 HOURS, OR AS SOON AS SITE CONDITIONS PERMIT, BROADCAST SEEDED AREAS SHALL BE ROLLED, BUT SOIL SHALL BE LIGHTLY TILLED BEFOREHAND.

D. CRIMP 2,000 POUNDS PER ACRE OF STRAW FOR EROSION CONTROL ONTO SLOPES GREATER THAN ONE FOOT HORIZONTAL TO FIVE FOOT VERTICAL (1:5) IMMEDIATELY FOLLOWING SEEDING.

E. IF AREA TO BE SEEDED WAS TREATED WITH HERBICIDE, SEEDING SHALL OCCUR NO LESS THAN 14 DAYS AFTER HERBICIDE APPLICATION.

F. COVER CROP SHALL NOT BE INSTALLED WITHIN AREAS DESIGNATED FOR TURF GRASS.

3.2 CLEAN-UP, REMOVAL AND REPAIR

A. CLEAN UP: THE WORK AREA SHALL BE KEPT FREE OF DEBRIS BY THE CONTRACTOR. AT NO TIME SHALL TRASH OR OTHER MATERIAL BE ALLOWED TO ACCUMULATE AT THE PROJECT SITE. ALL TOOLS SHALL BE KEPT IN APPROPRIATE CARRYING CASES, TOOL BOXES, ETC. PARKING AREAS, ROADS, SIDEWALKS, PATHS, TRAILS, AND PAVED AREAS SHALL BE KEPT FREE OF MUD AND DIRT.

B. REMOVAL: AFTER WORK HAS BEEN COMPLETED REMOVE TOOLS AND ALL OTHER DEBRIS GENERATED BY THE CONTRACTOR.

C. REPAIR: THE CONTRACTOR SHALL REPAIR ANY DAMAGES THAT OCCURRED DURING COMPLETION OF THE WORK DESCRIBED IN THIS SECTION. SAID DAMAGES MAY INCLUDE, BUT ARE NOT LIMITED TO, TIRE RUTS IN THE GROUND, DAMAGE TO TREES OR OTHER PLANTED AREAS, DAMAGE TO TRAILS, ETC. ALL AREAS DAMAGED BY THE CONTRACTOR DURING THE EXECUTION OF THIS WORK SHALL BE REPAIRED BY CONTRACTOR AND RESTORED TO THE CONDITIONS SHOWN ON THE PLANS AT NO ADDITIONAL COST TO THE OWNER. ALL AREAS OUTSIDE OF THE CONSTRUCTION LIMITS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION GRADES AND STABILIZED WITH APPROPRIATE SEED OR PLANTINGS.

3.3 INSPECTION

A. AFTER COMPLETION OF SEEDING, THE CONTRACTOR SHALL SCHEDULE WITH OWNER A PROVISIONAL ACCEPTANCE INSPECTION OF THE WORK.

3.4 ACCEPTANCE AND GUARANTEE

A. PROVISIONAL ACCEPTANCE: THE WORK SHALL BE CONSIDERED 90% COMPLETE AFTER ALL COVER CROP SEED HAS BEEN INSTALLED, AND THE CONTRACTOR HAS COMPLETED ALL REQUIRED CLEAN UP, REMOVAL, AND REPAIR AS DESCRIBED IN 3.2 OF THIS SECTION.

B. FINAL ACCEPTANCE: THE WORK SHALL BE CONSIDERED 100% COMPLETE AFTER THE CONTRACTOR HAS MET OR EXCEEDED THE PERFORMANCE STANDARDS GIVEN IN 3.4C. OF THIS SECTION.

C. THE CONTRACTOR SHALL GUARANTEE SEEDED AREAS WILL MEET OR EXCEED THE FOLLOWING PERFORMANCE CRITERIA: 80% PLANT COVER WITHIN 3 MONTHS OF SEEDING.

SEEDING

PART 1. GENERAL

1.1 DESCRIPTION

A. THIS SECTION INCLUDES INSTALLATION OF SEED IN ALL DESIGNATED AREAS.

1.2 RELATED SECTIONS

A. SOIL PREPARATION AND COVER CROP SEEDING.

1.3 QUALITY ASSURANCE

A. QUALIFICATIONS OF WORKERS: PROVIDE AT LEAST ONE PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK, WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE AND OPERATION OF EQUIPMENT BEING USED. SAID PERSON SHALL DIRECT ALL WORK PERFORMED UNDER THIS SECTION.

B. STANDARDS: ALL MATERIALS AND METHODS USED DURING THIS PORTION OF THE WORK SHALL MEET OR EXCEED APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL LAWS AND REGULATIONS. ALL SEED SHALL BE FREE FROM INSECTS AND DISEASE. SPECIES SHALL BE TRUE TO THEIR SCIENTIFIC NAME AS SPECIFIED.

1.4 SUBMITTALS

A. MATERIALS: THE CONTRACTOR SHALL SUBMIT TO THE OWNER FOR APPROVAL A COMPLETE LIST OF ALL MATERIALS TO BE USED DURING THIS PORTION OF THE WORK PRIOR TO DELIVERY OF ANY MATERIALS TO THE SITE. INCLUDE COMPLETE DATA ON SOURCE, AMOUNT AND QUALITY. THIS SUBMITTAL SHALL IN NO WAY BE CONSTRUED AS PERMITTING SUBSTITUTION FOR SPECIFIC ITEMS DESCRIBED ON THE PLANS OR IN THESE SPECIFICATIONS UNLESS APPROVED IN WRITING BY THE OWNER.

B. EQUIPMENT: THE CONTRACTOR SHALL PROVIDE A LIST OF EQUIPMENT AND A DESCRIPTION AND LOCATION OF ITS INTENDED USE, AND A LIST OF SAID PERSONS PERFORMING THE WORK AND THEIR QUALIFICATIONS FOR OPERATING AND MAINTAINING THE LISTED EQUIPMENT.

C. AFTER THE WORK IS COMPLETED THE CONTRACTOR SHALL SUBMIT TO THE OWNER RECORD DRAWINGS. MARK IN RED INK ON THE ORIGINAL PLANS ANY FIELD CHANGES OR DEVIATIONS FROM THE ORIGINAL PLANS.

PART 2. PRODUCTS

2.1 MATERIALS

A. ALL SEED SPECIES SHALL BE SUPPLIED AS PURE LIVE SEED. SEE PLANTING PLAN (SHEET 3) FOR SEEDING LISTS AND QUANTITIES.

B. SEED OF ALL SPECIES NATIVE TO ILLINOIS SHALL BE FROM WITHIN A 150-MILE RADIUS OF THE PROJECT SITE UNLESS APPROVED BY THE OWNER.

C. GRASS SEED SHALL BE IN CONFORMANCE WITH USDA RULES AND REGULATIONS UNDER THE FEDERAL SEED ACT AND APPLICABLE ILLINOIS STATE SEED LAWS.

D. STRAW OR HAY FOR EROSION CONTROL SHALL BE CLEAN, SEED-FREE HAY OR THRESHED STRAW OF WHEAT, RYE, OATS, OR BARLEY.

PART 3. EXECUTION

3.1 METHOD

A. IF PLANTED IN SPRING, SEEDS SHALL HAVE PROPER STRATIFICATION AND/OR SCARIFICATION TO BREAK SEED DORMANCY.

B. SEEDING SHALL BE PREFERENTIALLY CONDUCTED IN EARLY SPRING (AS SOON AS THE SOIL IS FREE OF FROST AND IN A WORKABLE CONDITION BUT NO LATER THAN JUNE 15TH) OR AS A LATE FALL DORMANT SEEDING (AFTER NOVEMBER 1ST).

C. ALL SEED SHALL BE PREFERENTIALLY INSTALLED WITH A RANGELAND TYPE GRAIN DRILL OR NO-TILL PLANTER, SUCH AS BY TRUAX, OR EQUIVALENT, OR BROADCAST INTO A LIGHTLY TILLED SOIL SURFACE, FOLLOWED BY IMPRESSING SEED INTO THE SOIL WITH A CULTIPACKER ROLLER. ALL METHODS SHALL BE APPROVED BY THE OWNER.

D. IF SOIL IS TOO WET OR GRADE IS TOO STEEP TO INSTALL SEED AS DESCRIBED IN 3.1C. ABOVE, A MECHANICAL BROADCAST SEEDER, SUCH AS BY CYCLONE, SHALL BE USED. HAND BROADCASTING OF SEED MAY ALSO BE EMPLOYED. WITHIN 24 HOURS, OR AS SOON AS SITE CONDITIONS PERMIT, BROADCAST SEEDED AREAS SHALL BE ROLLED, BUT SOIL SHOULD BE LIGHTLY TILLED BEFOREHAND.

E. NORTH AMERICAN GREEN SC150 EROSION CONTROL MAT OR EQUAL SHALL BE USED FOR EROSION CONTROL ONTO SLOPES GREATER THAN ONE FOOT HORIZONTAL TO FIVE FOOT VERTICAL (1:5) IMMEDIATELY FOLLOWING SEEDING. S75 OR EQUAL CAN BE USED FOR EROSION CONTROL IN AREAS OF LESS THAN 1:5 SLOPES.

F. IF AREA TO BE SEEDED WAS TREATED WITH HERBICIDE, SEEDING SHALL OCCUR NO LESS THAN 14 DAYS AFTER HERBICIDE APPLICATION.

NOTES:
SEE STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, AND STANDARD DETAILS FOR ADDITIONAL INFORMATION.

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Construction Notes & Specifications

Drawn By: EMK | AES Project No.: 09-0198 (02-527)
Checked: WWS | File Name: 020527cst20100528_Notes-2.dwg
Approved: GDP | Date: 11-30-2009

Crystal Creek Realignment
Algonquin, Illinois
Village of Algonquin
125 Wilbrandt Street
Algonquin, Illinois 60102

Revisions:

No.	By	Date	Description
1	emk gdp	02-26-10	Final AES review for ACOE submittal
2	emk gdp	05-28-10	ACOE & MCDWCD Comments
3	emk wws	05-16-11	ACOE permit submittal
4			
5			
6			
7			

Sheet Number 8 of 10

FILE NAME = ...\D160F72-sht-Towne Park-10.dgn	USER NAME = akw	DESIGNED - AES	REVISED -
		DRAWN - AES	REVISED -
	PLOT SCALE = 2.0000 ' / in.	CHECKED - AES	REVISED -
	PLOT DATE = 5/2/2012	DATE - 5/3/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CRYSTAL CREEK RELOCATION PLANS

SCALE: AS NOTED | SHEET NO. 8 OF 10 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	407

CONTRACT NO. 60F72

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

3.2 CLEAN-UP, REMOVAL AND REPAIR

A. CLEAN UP: THE WORK AREA SHALL BE KEPT FREE OF DEBRIS BY THE CONTRACTOR. AT NO TIME SHALL TRASH OR OTHER MATERIAL BE ALLOWED TO ACCUMULATE AT THE PROJECT SITE. ALL TOOLS SHALL BE KEPT IN APPROPRIATE CARRYING CASES, TOOL BOXES, ETC. PARKING AREAS, ROADS, SIDEWALKS, PATHS, TRAILS, AND PAVED AREAS SHALL BE KEPT FREE OF MUD AND DIRT.

B. REMOVAL: AFTER WORK HAS BEEN COMPLETED REMOVE TOOLS AND ALL OTHER DEBRIS GENERATED BY THE CONTRACTOR.

C. REPAIR: THE CONTRACTOR SHALL REPAIR ANY DAMAGES THAT OCCURRED DURING COMPLETION OF THE WORK DESCRIBED IN THIS SECTION. SAID DAMAGES MAY INCLUDE, BUT ARE NOT LIMITED TO, TIRE RUTS IN THE GROUND, DAMAGE TO PROTECTED TREES OR OTHER PLANTED AREAS, DAMAGE TO TRAILS, ETC. ALL AREAS DAMAGED BY THE CONTRACTOR DURING THE EXECUTION OF THIS WORK SHALL BE REPAIRED BY CONTRACTOR AND RESTORED TO THE CONDITIONS SHOWN ON THE PLANS AT NO ADDITIONAL COST TO THE OWNER. ALL AREAS OUTSIDE OF THE CONSTRUCTION LIMITS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION GRADES AND STABILIZED WITH APPROPRIATE SEED OR PLANTINGS.

3.3 INSPECTION

A. AFTER COMPLETION OF SEEDING, THE CONTRACTOR SHALL SCHEDULE WITH OWNER A PROVISIONAL ACCEPTANCE INSPECTION OF THE WORK.

3.4 ACCEPTANCE AND GUARANTEE

A. PROVISIONAL ACCEPTANCE: THE WORK SHALL BE CONSIDERED 90% COMPLETE AFTER ALL SEED HAS BEEN INSTALLED AND THE CONTRACTOR HAS COMPLETED ALL SEEDING, AND COMPLETED ALL REQUIRED CLEAN UP, REMOVAL, AND REPAIR AS DESCRIBED IN 3.2 OF THIS SECTION.

B. FINAL ACCEPTANCE: THE WORK SHALL BE CONSIDERED 100% COMPLETE AFTER THE CONTRACTOR HAS MET OR EXCEEDED THE PERFORMANCE STANDARDS GIVEN IN 3.4C OF THIS SECTION.

C. THE CONTRACTOR SHALL GUARANTEE SEEDED AREAS WILL MEET OR EXCEED THE FOLLOWING PERFORMANCE CRITERIA ONE FULL GROWING SEASON AFTER PROVISIONAL ACCEPTANCE: 60% TOTAL PLANT COVER AND AT LEAST 10% TOTAL PLANT COVER BY PLANTED NATIVE SPECIES IN EACH COMMUNITY. REED CANARY GRASS (PHALARIS ARUNDINACEA), COMMON REED GRASS (PHRAGMITES AUSTRALIS), AND OTHER INVASIVE/NON-NATIVE HERBACEOUS SPECIES SHALL COLLECTIVELY NOT COMPRISE GREATER THAN 10% OF ANY VEGETATION COMMUNITY. INVASIVE/NON-NATIVE SHRUBS AND TREES SHALL NOT EXCEED 10% OF ANY VEGETATION COMMUNITY.

D. THE CONTRACTOR SHALL GUARANTEE SEEDED AREAS WILL MEET OR EXCEED THE FOLLOWING PERFORMANCE CRITERIA TWO FULL GROWING SEASONS AFTER PROVISIONAL ACCEPTANCE: 70% TOTAL PLANT COVER AND AT LEAST 30% TOTAL PLANT COVER BY PLANTED NATIVE SPECIES IN EACH COMMUNITY. REED CANARY GRASS (PHALARIS ARUNDINACEA), COMMON REED GRASS (PHRAGMITES AUSTRALIS), AND OTHER INVASIVE/NON-NATIVE HERBACEOUS SPECIES SHALL COLLECTIVELY NOT COMPRISE GREATER THAN 10% OF ANY VEGETATION COMMUNITY. INVASIVE/NON-NATIVE SHRUBS AND TREES SHALL NOT EXCEED 10% OF ANY VEGETATION COMMUNITY.

E. THE CONTRACTOR SHALL GUARANTEE SEEDED AREAS WILL MEET OR EXCEED THE FOLLOWING PERFORMANCE CRITERIA THREE FULL GROWING SEASONS AFTER PROVISIONAL ACCEPTANCE: 80% TOTAL PLANT COVER AND AT LEAST 60% TOTAL PLANT COVER BY PLANTED NATIVE SPECIES IN EACH COMMUNITY. REED CANARY GRASS (PHALARIS ARUNDINACEA), COMMON REED GRASS (PHRAGMITES AUSTRALIS), AND OTHER INVASIVE/NON-NATIVE HERBACEOUS SPECIES SHALL COLLECTIVELY NOT COMPRISE GREATER THAN 10% OF ANY VEGETATION COMMUNITY. INVASIVE/NON-NATIVE SHRUBS AND TREES SHALL NOT EXCEED 10% OF ANY VEGETATION COMMUNITY.

F. THE CONTRACTOR SHALL GUARANTEE SEEDED AREAS WILL MEET OR EXCEED THE FOLLOWING PERFORMANCE CRITERIA FIVE FULL GROWING SEASONS AFTER PROVISIONAL ACCEPTANCE: 90% TOTAL PLANT COVER AND AT LEAST 70% TOTAL PLANT COVER BY PLANTED NATIVE SPECIES IN EACH COMMUNITY. REED CANARY GRASS (PHALARIS ARUNDINACEA), COMMON REED GRASS (PHRAGMITES AUSTRALIS), AND OTHER INVASIVE/NON-NATIVE HERBACEOUS SPECIES SHALL COLLECTIVELY NOT COMPRISE GREATER THAN 10% OF ANY VEGETATION COMMUNITY. INVASIVE/NON-NATIVE SHRUBS AND TREES SHALL NOT EXCEED 10% OF ANY VEGETATION COMMUNITY. IN ADDITION, 70% OF ALL SPECIES INSTALLED IN THE UPLAND (SAVANNA AND MESIC PRAIRIE ZONES) AND WETLAND (WET PRAIRIE AND EMERGENT ZONES) AREAS SHALL BE PRESENT IN EACH OF THESE AREAS (I.E. UPLANDS OR WETLANDS). THE NATIVE FLORISTIC QUALITY (FQI) MUST BE GREATER OR EQUAL TO 20 IN EACH OF THESE AREAS (I.E. UPLANDS OR WETLANDS)

G. REMEDIAL ACTION: IF PLANTINGS FAIL TO MEET THE TERMS OF THE GUARANTEE SHOWN ABOVE, THE CONTRACTOR WILL DEVELOP A REMEDIAL ACTION PLAN THAT TAKES INTO CONSIDERATION THE SITE GOALS AND SPECIFIC DEFICIENCIES CAUSING THE REMEDIAL ACTION. THE CONTRACTOR WILL SUBMIT THE REMEDIAL ACTION PLAN TO THE OWNER FOR APPROVAL. CONTRACTOR WILL IMPLEMENT THE REMEDIAL ACTION PLAN AND SUBMIT A REPORT THAT DESCRIBES THE REMEDIAL ACTION TAKEN. IF REMEDIAL SEEDING OR PLANTING IS REQUIRED, CONTRACTOR WILL NOT BE REQUIRED TO PERFORM ADDITIONAL REMEDIAL SEEDING OR PLANTING IN THE SAME AREA FOR A MINIMUM OF TWO GROWING SEASONS. AFTER TWO GROWING SEASONS FOLLOWING THE REMEDIAL PLANTING, THE PERFORMANCE CRITERIA MUST BE MET FOR THE THIRD GROWING SEASON OR ADDITIONAL REMEDIAL ACTION MUST BE TAKEN. THIS GUARANTEE REMAINS IN EFFECT UNTIL ALL ZONES MEET THE SECOND GROWING SEASON CRITERIA.

HERBACEOUS PERENNIAL PLANTING

PART 1. GENERAL

1.1 DESCRIPTION

A. THIS SECTION INCLUDES INSTALLATION OF LIVE HERBACEOUS PERENNIAL PLANTS, TUBERS, BULBS, AND DORMANT ROOTSTOCKS OF HERBACEOUS PERENNIAL PLANTS.

1.2 RELATED SECTIONS

A. SOIL PREPARATION AND SEEDING.

1.3 QUALITY ASSURANCE

A. QUALIFICATIONS OF WORKERS: PROVIDE AT LEAST ONE PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK, WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE AND OPERATION OF EQUIPMENT BEING USED. SAID PERSON SHALL DIRECT ALL WORK PERFORMED UNDER THIS SECTION.

B. STANDARDS: ALL MATERIALS AND METHODS USED DURING THIS PORTION OF THE WORK SHALL MEET OR EXCEED APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL LAWS AND REGULATIONS. ALL LIVE HERBACEOUS PERENNIAL PLANTS, TUBERS, BULBS, AND DORMANT ROOTSTOCKS OF HERBACEOUS PERENNIAL PLANTS SHALL BE FREE FROM INSECTS AND DISEASE.

1.4 SUBMITTALS

A. MATERIALS: THE CONTRACTOR SHALL SUBMIT TO THE OWNER FOR APPROVAL A COMPLETE LIST OF ALL MATERIALS TO BE USED DURING THIS PORTION OF THE WORK PRIOR TO DELIVERY OF ANY MATERIALS TO THE SITE. INCLUDE COMPLETE DATA ON SOURCE, AMOUNT AND QUALITY. TAGS SHALL REMAIN ON DELIVERED MATERIAL UNTIL OWNER APPROVAL. THIS SUBMITTAL SHALL IN NO WAY BE CONSTRUED AS PERMITTING SUBSTITUTION FOR SPECIFIC ITEMS DESCRIBED ON THE PLANS OR IN THESE SPECIFICATIONS UNLESS APPROVED IN WRITING BY THE OWNER.

B. EQUIPMENT: THE CONTRACTOR SHALL PROVIDE A LIST OF EQUIPMENT AND A DESCRIPTION AND LOCATION OF ITS INTENDED USE, AND A LIST OF SAID PERSONS PERFORMING THE WORK AND THEIR QUALIFICATIONS FOR OPERATING AND MAINTAINING THE LISTED EQUIPMENT.

C. AFTER THE WORK IS COMPLETED THE CONTRACTOR SHALL SUBMIT TO THE OWNER RECORD DRAWINGS. THE CONTRACTOR SHALL MARK IN RED INK ON THE ORIGINAL PLANS ANY FIELD CHANGES OR DEVIATIONS FROM THE ORIGINAL PLANS.

PART 2. PRODUCTS

2.1 MATERIALS

A. ALL LIVE HERBACEOUS PLANTS SHALL BE POTTED, TWO YEAR OLD NURSERY GROWN STOCK FROM WITHIN A 150-MILE RADIUS OF THE PROJECT SITE UNLESS APPROVED IN WRITING BY THE OWNER. PLANT MATERIAL SHALL CONFORM TO ANSI STANDARDS FOR NURSERY STOCK. SEE PLANTING PLAN FOR PLANTING LISTS AND QUANTITIES.

PART 3. EXECUTION

3.1 METHOD

A. PLANTING OF ALL LIVE HERBACEOUS PERENNIAL PLANTS SHALL BE COMPLETED AFTER MAY 15TH BUT NO LATER THAN JULY 15TH.

B. ALL LIVE HERBACEOUS PERENNIAL PLANTS SHALL BE APPROVED BY THE OWNER PRIOR TO INSTALLATION.

C. PROVIDE HEALTHY, VIGOROUS LIVE HERBACEOUS PERENNIAL PLANTS; DO NOT USE MATERIALS THAT HAVE BEEN IN COLD STORAGE FOR LONGER THAN 45 DAYS.

D. DELIVER LIVE HERBACEOUS PERENNIAL PLANTS TO PROJECT SITE AFTER PREPARATIONS FOR PLANTING HAVE BEEN COMPLETED.

E. LIVE HERBACEOUS PERENNIAL PLANTS SHALL BE PACKED IN SUCH A MANNER AS TO INSURE ADEQUATE PROTECTION AGAINST WIND DAMAGE, DESICCATION, AND OTHER PHYSICAL DAMAGE WHILE IN TRANSIT.

F. IF PLANTING IS DELAYED MORE THAN FOUR HOURS AFTER DELIVERY, KEEP PLANTS IN REFRIGERATED CONTAINER OR SET PLANTS IN SHADE PROTECTED FROM WEATHER AND MECHANICAL DAMAGE, AND KEEP MOIST AND COOL.

G. EMERGENT LIVE HERBACEOUS PERENNIAL PLANTS SHALL BE INSTALLED IN 0-6" DEPTH OF WATER DEPENDING ON THE TOLERANCE OF EACH SPECIES.

H. WET PRAIRIE LIVE HERBACEOUS PERENNIAL PLANTS SHALL BE PLACED 1' O.C. ALONG BOTH SIDES OF THE CREEK.

I. ALL LIVE HERBACEOUS PERENNIAL PLANTS SHALL BE ADEQUATELY HEALED IN TO PREVENT DESICCATION.

J. IF PLANTING INTO AN AREA TREATED WITH HERBICIDE, PLANT MATERIALS SHALL BE INSTALLED NOT LESS THAN 14 DAYS AFTER HERBICIDE TREATMENT.

3.2 CLEAN-UP, REMOVAL AND REPAIR

A. CLEAN UP: THE WORK AREA SHALL BE KEPT FREE OF DEBRIS BY THE CONTRACTOR. AFTER THE WORK IS COMPLETE, CLEAN UP ANY REMAINING MATERIALS, PLANT CONTAINERS, DEBRIS, TRASH, ETC. AVOID DRIVING OR WALKING OVER PLANTED AREAS TO MINIMIZE DISTURBANCE.

B. REMOVAL: AFTER WORK HAS BEEN COMPLETED REMOVE ANY TOOLS, EQUIPMENT, EMPTY CONTAINERS, AND ALL OTHER DEBRIS GENERATED BY THE CONTRACTOR.

REPAIR: THE CONTRACTOR SHALL REPAIR ANY DAMAGES THAT OCCURRED DURING COMPLETION OF THE WORK DESCRIBED IN THIS SECTION. SAID DAMAGES MAY INCLUDE, BUT ARE NOT LIMITED TO, TIRE RUTS IN THE GROUND, DAMAGE TO PLANTED AREAS, DAMAGE TO TRAILS, ETC. ALL AREAS DAMAGED BY THE CONTRACTOR DURING THE EXECUTION OF THIS WORK SHALL BE REPAIRED BY CONTRACTOR AND RESTORED TO THE CONDITIONS SHOWN ON THE PLANS AT NO ADDITIONAL COST TO THE OWNER. ALL AREAS OUTSIDE OF THE CONSTRUCTION LIMITS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION GRADES AND STABILIZED WITH APPROPRIATE SEED OR PLANTINGS.

3.3 INSPECTION

A. AFTER COMPLETION OF PLANTING, THE CONTRACTOR SHALL SCHEDULE WITH THE OWNER A PROVISIONAL ACCEPTANCE INSPECTION OF THE WORK.

3.4 ACCEPTANCE

A. PROVISIONAL ACCEPTANCE: THE WORK SHALL BE CONSIDERED 90% COMPLETE AFTER THE CONTRACTOR HAS COMPLETED ALL PLANTING, AND COMPLETED ALL REQUIRED CLEAN UP, REMOVAL, AND REPAIR AS DESCRIBED IN 3.2 OF THIS SECTION.

B. FINAL ACCEPTANCE: THE WORK SHALL BE CONSIDERED 100% COMPLETE AFTER THE CONTRACTOR HAS MET OR EXCEEDED THE PERFORMANCE STANDARDS GIVEN IN 3.4C. OF THIS SECTION.

C. THE CONTRACTOR SHALL GUARANTEE PLANTED AREAS IN ALL PLANT COMMUNITIES WILL MEET OR EXCEED THE FOLLOWING PERFORMANCE CRITERIA ONE FULL GROWING SEASON AFTER PROVISIONAL ACCEPTANCE: 80% SURVIVAL OF PLUGS INSTALLED IN THE EMERGENT, WET PRAIRIE, PRAIRIE, AND SAVANNA ZONES. ALL SPECIES PLANTED MUST BE REPRESENTED.

NOTES:
SEE STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, AND STANDARD DETAILS FOR ADDITIONAL INFORMATION.

SLOPE PROTECTION CONSTRUCTION

PART 1. GENERAL

1.1 DESCRIPTION

A. THIS SECTION INCLUDES GEOTEXTILE MATERIAL AND MULCH INSTALLATION ON THE VEGETATED STREAMBANK SLOPES.

1.2 RELATED SECTIONS

A. GRADING, SEEDING.

1.3 QUALITY ASSURANCE

A. QUALIFICATIONS OF WORKMEN: PROVIDE AT LEAST ONE PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK, WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE AND OPERATION OF EQUIPMENT BEING USED. SAID PERSON SHALL DIRECT ALL WORK PERFORMED UNDER THIS SECTION.

B. STANDARDS: ALL MATERIALS AND METHODS USED DURING THIS PORTION OF THE WORK SHALL MEET OR EXCEED APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL LAWS AND REGULATIONS.

1.4 SUBMITTALS

A. MATERIALS: THE CONTRACTOR SHALL SUBMIT TO THE OWNER FOR APPROVAL A COMPLETE LIST OF ALL MATERIALS TO BE USED DURING THIS PORTION OF THE WORK PRIOR TO DELIVERY OF ANY MATERIALS TO THE SITE. INCLUDE COMPLETE DATA ON SOURCE, AMOUNT AND QUALITY. THIS SUBMITTAL SHALL IN NO WAY BE CONSTRUED AS PERMITTING SUBSTITUTION FOR SPECIFIC ITEMS DESCRIBED ON THE PLANS OR IN THESE SPECIFICATIONS UNLESS APPROVED IN WRITING BY THE OWNER.

B. EQUIPMENT: THE CONTRACTOR SHALL PROVIDE A LIST OF EQUIPMENT AND A DESCRIPTION AND LOCATION OF ITS INTENDED USE, AND A LIST OF SAID PERSONS PERFORMING THE WORK AND THEIR QUALIFICATIONS FOR OPERATING AND MAINTAINING THE LISTED EQUIPMENT.

C. AFTER THE WORK IS COMPLETED THE CONTRACTOR SHALL SUBMIT TO THE OWNER RECORD DRAWINGS. THE CONTRACTOR WILL MARK IN RED INK ON THE ORIGINAL PLANS ANY FIELD CHANGES OR DEVIATIONS FROM THE ORIGINAL PLANS.

PART 2. PRODUCTS

2.1 MATERIALS

A. GEOSYNTHETIC SLOPE PROTECTION BLANKET SHALL BE A THREE-DIMENSIONAL WEB OF POLYOLEFIN FIBERS POSITIONED BETWEEN TWO, BIAXIAL-ORIENTED NETS AND MECHANICALLY BOUND TOGETHER BY PARALLEL STITCHING WITH POLYOLEFIN THREAD (ENKAMAT 7010 OR OWNER APPROVED EQUAL).

B. GEOTEXTILE SURFACE NETTING SHALL BE NORTH AMERICAN GREEN S75BN OR OWNER APPROVED EQUIVALENT FOR UPLAND SLOPES (LESS THAN 5:1) AND SC150 OR OWNER APPROVED EQUIVALENT FOR FLOOD PRONE AREAS AND SLOPES GREATER THAN 5:1.

C. METAL PINS SHALL BE 12" LONG, 3/16" DIAMETER STEEL WITH 1-1/2" OD STEEL WASHERS. WOOD STAKES SHALL BE PINE OR OAK, FREE FROM CRACKS AND STRUCTURALLY SOUND.

PART 3. EXECUTION

3.1 SIDESLOPE RESTORATION CONSTRUCTION

A. PLACE 4 INCHES OF TOPSOIL ON THE BOTTOM OF THE PREPARED SIDE SLOPE (ABOVE THE PROPOSED SUB GRADE).

B. PLACE THE GEO-SYNTHETIC SLOPE PROTECTION BLANKET OVER THE TOPSOIL AND ANCHOR THE BLANKET TO THE UNDERLYING SOIL.

C. PLACE 2-INCH OF TOPSOIL OVER THE GEO-SYNTHETIC SLOPE PROTECTION BLANKET AND SEED ALL SOIL SURFACES.

D. COVER SEEDED SURFACES WITH GEOTEXTILE SURFACE NETTING, SLITTING OPENINGS IN THE NETTING FOR EMERGING PLANTS IF NEEDED.

E. WHEN BUTTING SHORT ENDS OF BLANKETS AND NETTING TO ONE ANOTHER, OVERLAP EDGES NOT LESS THAN 3 FEET (6-INCHES FOR GEOTEXTILE SURFACE NETTING) AND INSTALL METAL PINS OVER SEAMS EVERY 24". SEAMS SHALL OVERLAP IN THE DOWNSTREAM DIRECTION. STAGGER SEAMS NOT LESS THAN 10' O.C. IN ADJACENT LIFTS. OVERLAP ADJACENT ROLLS BY A MINIMUM OF 4 INCHES. BURY TOP EDGE OF SLOPE PROTECTING BLANKET AND SURFACE NETTING OF UPPERMOST LIFT IN A 6-12" DEEP TRENCH AROUND ENTIRE PERIMETER. BACKFILL TRENCH WITH EXCAVATED TOPSOIL AND LIGHTLY TAMP. ANCHOR MATS AT 3-FOOT INTERVALS

3.2 CLEAN-UP, REMOVAL AND REPAIR

A. CLEAN UP: THE WORK AREA SHALL BE KEPT FREE OF DEBRIS BY THE CONTRACTOR. AT NO TIME SHALL TRASH OR OTHER MATERIAL BE ALLOWED TO ACCUMULATE AT THE PROJECT SITE. ALL TOOLS SHALL BE KEPT IN APPROPRIATE CARRYING CASES, TOOL BOXES, ETC. PARKING AREAS, ROADS, SIDEWALKS, PATHS, TRAILS, AND PAVED AREAS SHALL BE KEPT FREE OF MUD AND DIRT.

B. REMOVAL: AFTER WORK HAS BEEN COMPLETED REMOVE TOOLS AND ALL OTHER DEBRIS GENERATED BY THE CONTRACTOR.

C. REPAIR: THE CONTRACTOR SHALL REPAIR ANY DAMAGES THAT OCCURRED DURING COMPLETION OF THE WORK DESCRIBED IN THIS SECTION. SAID DAMAGES MAY INCLUDE, BUT ARE NOT LIMITED TO, TIRE RUTS IN THE GROUND, DAMAGE TO PLANTED AREAS, DAMAGE TO TRAILS, ETC. ALL AREAS DAMAGED BY THE CONTRACTOR DURING THE EXECUTION OF THIS WORK SHALL BE REPAIRED BY CONTRACTOR AND RESTORED TO THE CONDITIONS SHOWN ON THE PLANS AT NO ADDITIONAL COST TO THE OWNER. ALL AREAS OUTSIDE OF THE CONSTRUCTION LIMITS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION GRADES AND STABILIZED WITH APPROPRIATE SEED OR PLANTINGS.

3.3 INSPECTION

A. AFTER COMPLETION OF SLOPE PROTECTION CONSTRUCTION, THE CONTRACTOR SHALL SCHEDULE WITH THE OWNER A FINAL ACCEPTANCE INSPECTION OF THE WORK.

3.4 ACCEPTANCE AND GUARANTEE

A. FINAL ACCEPTANCE: THE WORK SHALL BE CONSIDERED 100% COMPLETE AFTER COMPLETION OF SLOPE PROTECTING BLANKET AND SURFACE NETTING AND AFTER THE CONTRACTOR HAS COMPLETED ALL REQUIRED CLEAN UP, REMOVAL, AND REPAIR AS DESCRIBED IN 3.2 OF THIS SECTION.

ROCK BASED CHANNEL STABILIZATION CONSTRUCTION

PART 1. GENERAL

1.1 DESCRIPTION

A. THIS SECTION INCLUDES BOULDER REVETMENTS, CROSS VANE, GRADE CONTROLS, AND J-HOOK VANE APPURTENANCES AND STREAM BED CONSTRUCTION.

1.2 RELATED SECTIONS

A. GRADING.

1.3 QUALITY ASSURANCE

A. QUALIFICATIONS OF WORKMEN: PROVIDE AT LEAST ONE PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK, WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE AND OPERATION OF EQUIPMENT BEING USED. SAID PERSON SHALL DIRECT ALL WORK PERFORMED UNDER THIS SECTION.

B. STANDARDS: ALL MATERIALS, EQUIPMENT, AND PROCEDURES USED DURING THIS PORTION OF THE WORK SHALL MEET OR EXCEED APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL LAWS AND REGULATIONS.

C. CONTROL OF BOULDER GRADATION WILL BE VISUALLY INSPECTED BY THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE SAMPLES OF BOULDERS OF AT LEAST 5 TONS, MEETING THE GRADATION SPECIFIED FOR EACH GRADATION SPECIFIED. THE SAMPLE MAY BE A PART OF THE FINISHED BOULDER COVERING AND SHOULD BE USED AS A FREQUENT REFERENCE FOR JUDGING THE GRADATION OF THE BOULDER SUPPLIED. ANY DIFFERENCE OF OPINION BETWEEN THE OWNER OR OWNER'S REPRESENTATIVE AND THE CONTRACTOR SHALL BE RESOLVED BY DUMPING AND CHECKING TWO RANDOM TRUCK LOADS OF BOULDERS. MECHANICAL EQUIPMENT, A SORTING SITE, AND LABOR NEEDED TO ASSIST IN CHECKING GRADATION SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

D. IN LOCATIONS SUBJECT TO FREEZING OR WHERE STONE WILL BE EXPOSED TO SALT WATER, THE STONE SHALL BE SUBJECT TO THE SODIUM SULFATE SOUNDNESS LOSS TESTING REQUIREMENTS OUTLINED IS SECTION 1005 OF THE IDOT SPECIFICATIONS FOR QUALITY DESIGNATION A. HEADER AND FOOTER STONE MUST BE ANGULAR. STONE DIMENSIONS SHOWN ON THE PLANS ARE MINIMUM STONE DIMENSIONS FOR THE ROCK WITH A SPECIFIC GRAVITY OF 2.65.

E. ALL TESTS NECESSARY FOR THE CONTRACTOR TO LOCATE AN APPROVED SOURCE OF STREAMBED STONE WILL BE MADE BY THE CONTRACTOR. CERTIFICATION THAT THE MATERIAL CONFORMS TO THE SPECIFICATION REQUIREMENTS ALONG WITH COPIES OF THE TEST RESULTS FROM AN APPROVED COMMERCIAL TESTING LABORATORY SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR APPROVAL AT LEAST 30 DAYS BEFORE THE MATERIAL IS REQUIRED FOR USE. SAMPLING OF THE MATERIAL SOURCE SHALL BE DONE BY THE CONTRACTOR UNDER THE REVIEW BY THE OWNER'S REPRESENTATIVE. NO IMPORTED MATERIALS SHALL BE DELIVERED TO THE SITE UNTIL THE PROPOSED SOURCE AND TESTS ON THE MATERIALS HAVE BEEN TENTATIVELY APPROVED IN WRITING BY THE OWNER'S REPRESENTATIVE.

F. GRADATION TESTS OF STREAMBED STONE SHALL BE MADE AT THE PLACE OF PRODUCTION BY THE CONTRACTOR PRIOR TO SHIPMENT. SAMPLES OF THE FINISHED PRODUCT FOR GRADATION TESTING SHALL BE TAKEN FROM EACH 100 TONS INSTALLED OR MORE AS REQUESTED BY THE OWNER'S REPRESENTATIVE IF VARIATION IN GRADATION IS OCCURRING OR IF THE MATERIAL APPEARS TO DEPART FROM THE SPECIFICATIONS. TEST RESULTS SHALL BE FORWARDED TO THE OWNER'S REPRESENTATIVE WITHIN 48 HOURS AFTER SAMPLING. IF TESTS CONDUCTED BY THE CONTRACTOR OR THE OWNER'S REPRESENTATIVE INDICATE THAT THE MATERIAL DOES NOT MEET SPECIFICATION REQUIREMENTS, MATERIAL PLACEMENT SHALL BE TERMINATED UNTIL CORRECTIVE MEASURES ARE TAKEN. MATERIAL THAT DOES NOT CONFORM TO THE SPECIFICATION REQUIREMENTS AND IS PLACED IN THE WORK SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. SAMPLING AND TESTING PERFORMED BY THE CONTRACTOR SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER.

G. STORE MATERIALS ON SITE IN A MANNER THAT ENSURES THAT STREAMBED STONE IS NOT MIXED WITH THE OTHER MATERIALS. STREAMBED STONE MIXED WITH OTHER MATERIALS WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE. TRANSPORT AND STAGE STREAMBED STONE TO MINIMIZE SORTING OF THE GRADED MIXTURE. THE OWNER'S REPRESENTATIVE WILL INSPECT AND APPROVE ALL MATERIALS PRIOR TO INSTALLATION.

1.4 SUBMITTALS

A. MATERIALS: IT IS INTENDED THAT ROCK USED FOR CONSTRUCTION OF THE BOULDER REVETMENTS, CROSS VANES, GRADE CONTROLS, J-HOOKS AND STREAMBED WILL BE OBTAINED FROM OFFSITE AREAS. PRIOR TO COMMENCING CONSTRUCTION, CONTRACTOR WILL MEET WITH OWNER AND OWNER'S REPRESENTATIVE TO DEFINE SOURCES FOR THIS ROCK MATERIAL. BED MATERIALS USED FOR STREAMBED CONSTRUCTION SHALL BE OBTAINED FROM OFFSITE SOURCES..

B. EQUIPMENT: WITH SUBMITTAL OF A BID THE CONTRACTOR SHALL PROVIDE A LIST OF EQUIPMENT AND A DESCRIPTION AND LOCATION OF ITS INTENDED USE, AND A LIST OF SAID PERSONS PERFORMING THE WORK AND THEIR QUALIFICATIONS FOR OPERATING AND MAINTAINING THE LISTED EQUIPMENT.

C. AFTER THE WORK IS COMPLETED THE CONTRACTOR SHALL SUBMIT TO THE OWNER RECORD DRAWINGS. THE CONTRACTOR WILL MARK IN RED INK ON THE ORIGINAL PLANS ANY FIELD CHANGES OR DEVIATIONS FROM THE ORIGINAL PLANS.

PART 2. PRODUCTS

2.1 MATERIALS

A. ROCK FOR BOULDER REVETMENTS, CROSS VANES, GRADE CONTROLS AND J-HOOKS SHALL BE QUALITY DESIGNATION "A" STONE, NOT BROKEN CONCRETE, AND SHALL BE REASONABLY FREE OF SHALE AND SHALY STONE. THE STONE SHALL BE REASONABLY FREE OF LAMINATIONS, SEAMS, CRACKS AND OTHER STRUCTURAL DEFECTS OR IMPERFECTIONS TENDING TO DESTROY ITS RESISTANCE TO WEATHER AND STREAM FLOWS. THE STONE SHALL BE ANGULAR IN SHAPE AND NEITHER BREADTH NOR THICKNESS OF A SINGLE STONE SHOULD BE LESS THAN ONE-THIRD ITS LENGTH. ROUNDED STONES OR BOULDERS WILL NOT BE ACCEPTED.

B. BOULDERS SHALL BE STONE GRADATION AS DEPICTED ON THE PLANS CONFORMING TO SECTION 1005 OF THE IDOT SPECIFICATIONS. EACH LOAD OF BOULDERS SHALL BE REASONABLY WELL-GRADED FROM THE SMALLEST TO THE MAXIMUM SIZE SPECIFIED. STONES SMALLER THAT THE SPECIFIED 10 PERCENT SIZE AND SPALLS WILL NOT BE PERMITTED IN AN AMOUNT EXCEEDING 10 PERCENT BY WEIGHT OF EACH LOAD.

C. CLASS A2 COURSE AGGREGATE BEDDING MATERIAL SHALL BE USED WITH BOULDERS. BEDDING MATERIAL SHALL BE SPREAD UNIFORMLY. PLACING OF MATERIAL BY METHODS WHICH TEND TO SEGREGATE PARTICLE SIZES WITHIN THE BEDDING WILL NOT BE PERMITTED. COMPACTION OF THE BEDDING WILL NOT BE REQUIRED BUT IT SHALL BE FINISHED FINISHED TO PRESENT A REASONABLY EVEN SURFACE, FREE FROM MOUNDS, WINDROWS, OR DEPRESSIONS.

D. STREAMBED STONE IS NATURALLY ROUNDED IN SHAPE AND HAS A NATURALLY SMOOTH SURFACE SUCH AS STREAM OR RIVER STONE. STREAMBED STONE SHALL BE HARD AND DURABLE STONE. BULK DENSITY SHALL NOT BE LESS THAN 165 POUNDS PER DRY CUBIC FOOT. THE LEAST DIMENSION OF ANY ONE PIECE SHALL NOT BE LESS THAN 1/3 THE GREATEST DIMENSION. SHOT QUARRY STONE, CRUSHED ROCK, BROKEN CONCRETE OR RECYCLED CONSTRUCTION PRODUCTS WILL NOT BE ALLOWED. EACH LOAD OF STREAMBED STONE SHALL BE REASONABLY WELL GRADED FROM THE SMALLEST TO THE MAXIMUM SIZE SPECIFIED. STONE SIZE GRADATION FOR STREAMBED STONE SHALL CONFORM TO THE FOLLOWING GRADATION:

BED SIZE*	PERCENT SMALLER BY WEIGHT	POINT BAR SIZE*
8 INCH	100	4-INCH
3 INCH	80	1-1/2 INCH
2 INCH	60	1 INCH
1-1/4 INCH	40	1/2 INCH
3/4 INCH	20	1/4 INCH

* THE SIZE IS MEASURED ALONG THE B-AXIS, WHICH IS THE SECOND LARGEST DIMENSION OF THE STONE (I.E., USE THE DIMENSIONS OF LENGTH, HEIGHT, AND WIDTH TO DESCRIBE THE STONE, WITH LENGTH BEING A-AXIS AND THE LONGEST DIMENSION OF THE STONE, THEN THE B-AXIS IS THE LONGER OF THE HEIGHT AND WIDTH DIMENSIONS).

PART 3. EXECUTION

3.1 CROSS-VANES AND J-HOOKS

A. A TRENCH SHALL BE DUG CONFORMING TO THE SHAPE OF THE CROSS-VANE OR J-HOOK. THE DEPTH OF THE TRENCH SHALL BE SUCH THAT THE FOOTER, HEADER, AND SILL ROCKS WILL BE 2/3 BURIED..

B. ROCKS SHALL BE PRECISELY PLACED WITH AN EXCAVATOR. FOOTER ROCKS SHALL BE PLACED FIRST WITH THE HEADER ROCKS PLACED UPSTREAM AND OVERLAPPING THE TOP 1/3 OF THE FOOTER ROCKS PRIOR TO BACKFILLING THE TRENCH.

3.2 BOULDER REVETMENTS

A. BOULDER MATERIAL AND AGGREGATE MATERIAL SHALL CONFORM TO SECTIONS 210, 281, 1003, 1004 AND 1005 OF THE IDOT SPECIFICATIONS.

B. SLOPES TO BE PROTECTED BY BOULDERS SHALL BE FREE OF BRUSH, TREES, STUMPS, AND OTHER OBJECTIONABLE MATERIALS AND BE DRESSED TO SMOOTH SURFACE. ALL SOFT OR SPONGY MATERIAL SHALL BE REMOVED TO THE DEPTH SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER AND REPLACED WITH APPROVED NATIVE MATERIAL. FILLED AREAS WILL BE COMPACTED AS SPECIFIED IN THE IDOT SPECIFICATIONS FOR EMBANKMENTS. A TOE TRENCH AS SHOWN ON THE PLANS SHALL BE DUG AND MAINTAINED UNTIL THE BOULDERS ARE PLACED.

C. WHEN SHOWN ON THE PLANS, A BLANKET SHALL BE PLACED ON THE PREPARED SLOPE IN ACCORDANCE WITH THE IDOT SPECIFICATIONS.

D. A 12 INCH MINIMUM GRAVEL BEDDING LAYER SHALL BE USED.

E. PROPER STONE PLACEMENT REQUIRES BEGINNING AT THE TOE AND PROCEEDING UP THE SLOPE. DO NOT DROP STONE FROM HEIGHTS GREATER THAN 1 FOOT.

F. BOULDER LAYER THICKNESS SHOULD NOT BE LESS THAN THE SPHERICAL DIAMETER OF THE D_{100} (W_{100}) STONE OR LESS THAN THE 1.5 TIMES THE SPHERICAL DIAMETER OF THE D_{50} (W_{50}) STONE, WHICHEVER RESULTS IN THE GREATER THICKNESS. IT SHALL NOT BE LESS THAN 12 INCHES FOR PRACTICAL PLACEMENT. THE THICKNESS SHOULD BE INCREASED BY 50 PERCENT WHEN THE BOULDERS ARE PLACED UNDERWATER TO PROVIDE FOR UNCERTAINTIES ASSOCIATED WITH THIS TYPE OF PLACEMENT. AN INCREASE IN THICKNESS OF 6 TO 12 INCHES ACCOMPANIED BY AN APPROPRIATE INCREASE IN STONE SIZES SHOULD BE PROVIDED WHERE BOULDER REVETMENT WILL BE SUBJECT TO ATTACK BY FLOATING DEBRIS OR ICE OR BY WAVES FROM BOAT WAKES, WIND, OR BEDFORMS.

G. BOULDERS SHALL BE PLACED ON THE PREPARED SLOPE OR AREA IN A MANNER WHICH WILL PRODUCE A REASONABLY WELL GRADED MASS OF STONE WITH THE MINIMUM PRACTICABLE PERCENTAGE OF VOIDS. THE ENTIRE MASS OF STONE SHALL BE PLACED SO AS TO BE IN CONFORMANCE WITH THE LINES, GRADES, AND THICKNESSES SHOWN ON THE PLANS. BOULDERS SHALL BE PLACED TO ITS FULL COURSE THICKNESS AT ONE OPERATION AND IN SUCH A MANNER AS TO AVOID DISPLACING THE UNDERLYING MATERIAL. PLACING OF BOULDERS IN LAYERS BY DUMPING INTO CHUTES OR BY SIMILAR METHODS LIKELY TO CAUSE SEGREGATION WILL NOT BE PERMITTED.

H. THE LARGER STONES SHALL BE WELL DISTRIBUTED AND THE ENTIRE MASS OF STONE SHALL CONFORM TO THE GRADATION SPECIFIED BY THE ENGINEER. ALL MATERIAL GOING INTO BOULDERS PROTECTIONS SHALL BE PLACED AND DISTRIBUTED SO THAT THERE WILL BE NO LARGE ACCUMULATIONS OF EITHER THE LARGER OR SMALLER SIZES OF STONE.

I. IT IS THE INTENT OF THESE SPECIFICATIONS TO PRODUCE A FAIRLY COMPACT BOULDER PROTECTION IN WHICH ALL SIZES OF MATERIAL ARE PLACED IN THEIR PROPER PROPORTIONS. HAND PLACING OR REARRANGING OF INDIVIDUAL STONES BY MECHANICAL EQUIPMENT MAY BE REQUIRED TO THE EXTENT NECESSARY TO SECURE THE RESULTS SPECIFIED.

J. UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER, THE BOULDER PROTECTION SHALL BE PLACED IN CONJUNCTION WITH THE CONSTRUCTION OF THE EMBANKMENT WITH ONLY SUFFICIENT LAG IN CONSTRUCTION OF THE BOULDER PROTECTION AS MAY BE NECESSARY TO ALLOW FOR PROPER CONSTRUCTION OF THE PORTION OF THE EMBANKMENT PROTECTED AND TO PREVENT MIXTURE OF EMBANKMENT AND BOULDERS. THE CONTRACTOR SHALL MAINTAIN THE BOULDER PROTECTION UNTIL ACCEPTED AND ANY MATERIAL DISPLACED BY ANY CAUSE SHALL BE REPLACED TO THE LINES AND GRADES SHOWN ON THE PLANS AT NO ADDITIONAL COST TO THE OWNER.

K. WHEN BOULDERS AND FILTER MATERIAL ARE DUMPED UNDER WATER, THE ENGINEER SHALL BE NOTIFIED SO THAT THICKNESS OF THE LAYERS WILL BE INCREASED AND METHODS SHALL BE EMPLOYED THAT WILL MINIMIZE SEGREGATION.

3.3 STREAM BEDDING

A. STONE WILL BE PLACED IN THE STREAMBED TO PROVIDE A GRAVEL AND COBBLE BOTTOM. STONE WILL BE PLACED TO THE APPROXIMATE GRADE AND IN THE APPROXIMATE LOCATION AS SHOWN ON THE PLANS.

B. PLACE STREAMBED STONE MATERIALS CAREFULLY TO AVOID DISTURBING STREAMBANK AND BED, OR AREAS THAT HAVE BEEN RESTORED.

C. PLACE STREAMBED STONE TO MATCH UPSTREAM AND DOWNSTREAM CHANNEL GRADE OR TO THE ELEVATION OF THE PRE-DISTURBANCE STREAMBED CONDITIONS. THICKNESS OF THE STONE MATERIALS SHALL BE NO LESS THAN 8-INCHES.

D. PLACE STREAMBED STONE IN THE CHANNEL IN A MANNER SO THAT ONCE IT IS PLACED IN THE CHANNEL IT WILL NOT FURTHER ADJUSTED WITH HEAVY EQUIPMENT BY SPREADING, PUSHING, DIGGING OR OTHER MEANS.

3.4 CLEAN-UP, REMOVAL AND REPAIR

A. CLEAN UP: THE WORK AREA SHALL BE KEPT FREE OF DEBRIS BY THE CONTRACTOR. AT NO TIME SHALL TRASH OR OTHER MATERIAL BE ALLOWED TO ACCUMULATE AT THE PROJECT SITE. ALL TOOLS SHALL BE KEPT IN APPROPRIATE CARRYING CASES, TOOL BOXES, ETC. PARKING AREAS, ROADS, SIDEWALKS, PATHS, TRAILS, AND PAVED AREAS SHALL BE KEPT FREE OF MUD AND DIRT.

B. REMOVAL: AFTER WORK HAS BEEN COMPLETED REMOVE TOOLS AND ALL OTHER DEBRIS GENERATED BY THE CONTRACTOR.

C. REPAIR: THE CONTRACTOR SHALL REPAIR ANY DAMAGES THAT OCCURRED DURING COMPLETION OF THE WORK DESCRIBED IN THIS SECTION. SAID DAMAGES MAY INCLUDE, BUT ARE NOT LIMITED TO, TIRE RUTS IN THE GROUND, DAMAGE TO PLANTED AREAS, DAMAGE TO TRAILS, ETC. ALL AREAS DAMAGED BY THE CONTRACTOR DURING THE EXECUTION OF THIS WORK SHALL BE REPAIRED BY CONTRACTOR AND RESTORED TO THE CONDITIONS SHOWN ON THE PLANS AT NO ADDITIONAL COST TO THE OWNER. ALL AREAS OUTSIDE OF THE CONSTRUCTION LIMITS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION GRADES AND STABILIZED WITH APPROPRIATE SEED OR PLANTINGS.

3.5 INSPECTION

A. AFTER COMPLETION, THE CONTRACTOR SHALL SCHEDULE WITH THE OWNER A FINAL ACCEPTANCE INSPECTION OF THE WORK.

3.6 ACCEPTANCE AND GUARANTEE

A. FINAL ACCEPTANCE: THE WORK SHALL BE CONSIDERED 100% COMPLETE AFTER CONSTRUCTION OF CROSS-VANES, J-HOOKS, AND BOULDER REVETMENTS AND AFTER THE CONTRACTOR HAS COMPLETED ALL CLEAN-UP, REMOVAL AND REPAIR AS DESCRIBED IN 3.2 OF THIS SECTION.

MANAGEMENT OF PLANTINGS

PART 1. GENERAL

1.1 DESCRIPTION

A. THIS SECTION INCLUDES THE MANAGEMENT OF ALL RESTORED AREAS FOR FIVE YEARS FOLLOWING INITIAL SEEDING OF EACH VEGETATION COMMUNITY.

1.2 RELATED SECTIONS

A. SEEDING AND HERBACEOUS PERENNIAL PLANTINGS.

1.3 QUALITY ASSURANCE

A. QUALIFICATIONS OF WORKMEN: PROVIDE AT LEAST ONE PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK, WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE AND OPERATION OF EQUIPMENT BEING USED. SAID PERSON SHALL DIRECT ALL WORK PERFORMED UNDER THIS SECTION.

B. STANDARDS: ALL MATERIALS AND METHODS USED DURING THIS PORTION OF THE WORK SHALL MEET OR EXCEED APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL LAWS AND REGULATIONS. THE USE OF ANY HERBICIDE SHALL FOLLOW DIRECTIONS GIVEN ON THE HERBICIDE LABEL. IN THE CASE OF A DISCREPANCY BETWEEN THESE SPECIFICATIONS AND THE HERBICIDE LABEL, THE LABEL SHALL PREVAIL.

1.4 SUBMITTALS

A. MATERIALS: THE CONTRACTOR SHALL SUBMIT TO THE OWNER FOR APPROVAL A COMPLETE LIST OF ALL MATERIALS TO BE USED DURING THIS PORTION OF THE WORK PRIOR TO DELIVERY OF ANY MATERIALS TO THE SITE. INCLUDE COMPLETE DATA ON SOURCE, AMOUNT AND QUALITY. THIS SUBMITTAL SHALL IN NO WAY BE CONSTRUED AS PERMITTING SUBSTITUTION FOR SPECIFIC ITEMS DESCRIBED ON THE PLANS OR IN THESE SPECIFICATIONS UNLESS APPROVED IN WRITING BY THE OWNER.

B. LICENSES: THE CONTRACTOR SHALL SUPPLY COPIES OF VALID HERBICIDE APPLICATOR OR OPERATOR LICENSES IN THE AQUATIC AND GENERAL, FORESTRY, AND/OR RIGHT-OF-WAY CATEGORIES FOR EACH WORKER ANTICIPATED TO APPLY HERBICIDE. A COPY OF EACH COMMERCIAL PESTICIDE APPLICATOR'S LICENSE MUST BE MAINTAINED ON SITE AT ALL TIMES DURING COMPLETION OF THE WORK.

C. EQUIPMENT: THE CONTRACTOR SHALL PROVIDE A LIST OF EQUIPMENT AND A DESCRIPTION AND LOCATION OF ITS INTENDED USE, AND A LIST OF SAID PERSONS PERFORMING THE WORK AND THEIR QUALIFICATIONS FOR OPERATING AND MAINTAINING THE LISTED EQUIPMENT

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Construction Notes & Specifications

AES Project No.: 09-0198 (02-527)
File Name: 020527cst20100528_Notes-3.dwg
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Approved: GDP

Crystal Creek Realignment
Algonquin, Illinois
Village of Algonquin
125 Wilbrandt Street
Algonquin, Illinois 60102

Revisions:

No.	By	Date	Description
1	emk/gdp	02-26-10	Final AES review for ACOE submittal
2	emk/gdp	05-28-10	ACOE & MCSWCD Comments
3	emk/wws	05-16-11	ACOE permit submittal
4			
5			
6			
7			

Sheet Number
9 of 10

FILE NAME = ...\D160F72-sht-Towne Park-11.dgn	USER NAME = akw	DESIGNED - AES	REVISED -
		DRAWN - AES	REVISED -
	PLOT SCALE = 2.0000 ' / in.	CHECKED - AES	REVISED -
	PLOT DATE = 5/2/2012	DATE - 5/3/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CRYSTAL CREEK RELOCATION PLANS

SCALE: AS NOTED | SHEET NO. 9 OF 10 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	408

CONTRACT NO. 60F72

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

PART 2. PRODUCTS

2.1 MATERIALS

A. HERBACEOUS SPECIES TO BE REMOVED IN AREAS WITH STANDING WATER OR SATURATED SOILS SHALL BE TREATED WITH A 5% SOLUTION OF GLYPHOSATE, N-(PHOSPHONOMETHYL) GLYCINE IN A FORM APPROVED FOR AQUATIC APPLICATIONS SUCH AS RODEO OR EQUIVALENT, WITH ADDED NON-IONIC SURFACTANT, AS APPROVED IN WRITING BY OWNER.

B. HERBACEOUS SPECIES TO BE REMOVED IN AREAS WITHOUT STANDING WATER OR SATURATED SOILS SHALL BE TREATED WITH A 3% SOLUTION OF GLYPHOSATE, N-(PHOSPHONOMETHYL) GLYCINE, TRADE NAME ROUNDUP OR EQUIVALENT AS APPROVED IN WRITING BY OWNER. CONTRACTOR MAY ALSO USE A GRASS-SPECIFIC HERBICIDE WITH THE APPROVAL OF THE OWNER.

C. HERBICIDE TO BE USED FOR BASAL APPLICATIONS TO WOODY VEGETATION SHALL BE A 25% SOLUTION OF TRICLOPYR, 3,5,6-TRICHLORO-2-PYRIDINYLOXYACETIC ACID, BUTOXYETHYL ESTER, TRADE NAME GARLON 4 OR EQUIVALENT, WITH ADDED IONIC SURFACTANT, AS APPROVED IN WRITING BY THE OWNER.

D. HERBICIDE TO BE USED FOR FOLIAR APPLICATIONS TO WOODY VEGETATION SHALL BE A 5% SOLUTION OF TRICLOPYR, 3,5,6-TRICHLORO-2-PYRIDINYLOXYACETIC ACID, BUTOXYETHYL ESTER, TRADE NAME GARLON 3A OR EQUIVALENT, WITH ADDED IONIC SURFACTANT, AS APPROVED IN WRITING BY OWNER.

E. HERBICIDE TO BE USED ON HONEYSUCKLE SPECIES SHALL BE A 50% SOLUTION OF GLYPHOSPHATE AND WATER. NO GARLON PRODUCTS SHALL BE USED ON HONEYSUCKLE.

F. OTHER PRODUCTS SUCH AS GRASS-SPECIFIC HERBICIDES MAY BE PROPOSED BY THE CONTRACTOR FOR APPROVAL BY THE OWNER.

G. THE CONTRACTOR SHALL SUBMIT TO THE OWNER FOR APPROVAL PROPOSED RATES OF HERBICIDE APPLICATION PRIOR TO COMMENCING THE WORK DESCRIBED IN THIS SECTION.

PART 3. EXECUTION

3.1 METHOD - HERBICIDE APPLICATION

A. CONTRACTOR SHALL TREAT WEEDY HERBACEOUS AND UNDESIRABLE WOODY VEGETATION WITHIN EACH VEGETATION COMMUNITY AS NEEDED DURING THE FIRST FIVE GROWING SEASONS FOLLOWING INITIAL SEEDING OF EACH VEGETATION COMMUNITY USING THE APPROPRIATE HERBICIDE. HERBICIDE APPLICATION INSTRUCTIONS GIVEN ON THE LABEL SHALL BE FOLLOWED AT ALL TIMES. UNDESIRABLE SPECIES INCLUDE ALL VASCULAR SPECIES NOT NATIVE TO THIS LOCATION IN MCHENRY COUNTY, ILLINOIS.

C. HERBICIDE SHALL BE MIXED AND PLACED IN CONTAINERS AWAY FROM ANY NATURAL AREA, TREES, SHRUBS, HERBACEOUS OR WOODY GROWTH, OR BODY OF WATER. HERBICIDES SHALL NOT BE TRANSPORTED TO THE WORK AREA IN ANY CONTAINER OTHER THAN THAT USED FOR APPLICATION.

D. WICK OR SPOT APPLICATION WITH RODEO, REED CANARY GRASS, TEASEL, BUCKTHORN, THISTLES, SWEET CLOVER, AND PURPLE LOOSESTRIFE PRESENT IN THE PROJECT VICINITY SHOULD BE TREATED DIRECTLY WITH A 2% SOLUTION OF RODEO. BEST APPLICATION PERIOD IS JUST BEFORE OR DURING THE VERY EARLIEST STAGES OF FLOWERING. WHERE LARGE PATCHES OF TARGET WEEDS ARE PRESENT IT MAY BE NECESSARY TO USE A LARGER WICK UNIT THAT CAN BE ATTACHED TO AN ALL-TERRAIN VEHICLE OR TRACTOR. SEVERAL BACK-TO-BACK TREATMENTS MAY BE USEFUL IN GREATLY REDUCING THESE PLANTS.

E. A SUPPLY OF CHEMICAL ABSORBENT SHALL BE MAINTAINED AT THE PROJECT SITE. ANY CHEMICAL SPILLS SHALL BE PROPERLY CLEANED UP AND REPORTED TO THE OWNER WITHIN 24 HOURS.

F. THE CONTRACTOR SHALL MAINTAIN COPIES AT THE PROJECT SITE OF ALL CURRENT PESTICIDE APPLICATOR'S LICENSES, HERBICIDE LABELS, AND MSDS (MATERIAL SAFETY DATA SHEETS) FOR ALL CHEMICALS UTILIZED DURING COMPLETION OF THE WORK.

G. TARGET SPECIES SHALL BE TREATED AS OFTEN AS REQUIRED TO MEET THE SEED AND PLANT GUARANTEES IN THESE SPECIFICATIONS.

H. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT NATIVE SPECIES AND AREAS OUTSIDE OF THE PROJECT AREA DURING EXECUTION OF THE WORK DESCRIBED IN THIS SECTION. THE CONTRACTOR SHALL RESTORE ALL AREAS AFFECTED OR DISTURBED BY THE WORK ACCORDING TO THE APPROVED PLANS AND SPECIFICATIONS AT NO ADDITIONAL COST TO THE OWNER.

3.2 METHOD - MOWING

A. THE CONTRACTOR SHALL MOW SEEDED AREAS TO A HEIGHT OF 6-10" AFTER VEGETATION IN SAID AREAS REACHES A HEIGHT OF APPROXIMATELY 24" AND BEFORE NON-NATIVE SPECIES GO TO SEED DURING THE FIRST GROWING SEASON AFTER PLANTING. MOWING DURING THE FIRST GROWING SEASON SHALL OCCUR THREE TIMES (APPROXIMATELY EARLY JUNE, MID JULY, AND LATE AUGUST). THE CONTRACTOR SHALL ALSO MOW SEEDED AREAS TO A HEIGHT OF 12" TWO TIMES DURING THE SECOND GROWING SEASON (APPROXIMATELY EARLY JUNE AND EARLY AUGUST) UNLESS THE PROJECT ECOLOGIST DETERMINES THAT MOWING IS NOT NEEDED.

B. MOWING SHOULD BE DONE WITH A ROTARY BUSH HOG STYLE MOWER TO ENSURE CLIPPINGS ARE DISPERSED RATHER THAN DEPOSITED IN DENSE MATS, WHICH SMOTHER VEGETATION. OR THE CLIPPINGS/BRANCHES SHOULD BE REMOVED FROM THE MOWED AREA.

3.3 METHOD - PRESCRIBED BURNING

A. PRESCRIBED BURNING SHALL BE THE PRIMARY METHOD OF LONG-TERM ECOLOGICAL MANAGEMENT AND WEED CONTROL OF PLANTING AREAS AT THE PROJECT SITE. BURNING SHALL BE CONDUCTED IN THE SPRING OF THE THIRD GROWING SEASON FOLLOWING INITIAL SEEDING, THEREAFTER, THE OWNER SHOULD CONTRACT A PARTY TO CONTINUE BURNING ONCE EVERY 2-3 YEARS. BURNING SHALL BE CONDUCTED BY A CONTRACTOR EXPERIENCED IN BURN PLANNING AND PERMIT APPLICATION AS WELL AS PRESCRIBED BURN MANAGEMENT.

B. PRIOR TO THE COMMENCEMENT OF PRESCRIBED BURNING, THE CONTRACTOR SHALL COMPILE A BURN PLAN THAT OUTLINES A PLAN OF ACTION, IDENTIFIES CONTINGENCIES, AND LISTS THE NAMES AND PHONE NUMBERS OF EMERGENCY AGENCIES (FIRE DEPARTMENT, POLICE DEPARTMENT, ETC.). PROPER NOTICE OF INTENT TO BURN SHALL BE GIVEN.

C. THE CONTRACTOR SHALL APPLY FOR AND RECEIVE ALL REQUIRED PERMITS PRIOR TO THE COMMENCEMENT OF PRESCRIBED BURNING.

3.4 CLEAN-UP, REMOVAL AND REPAIR

A. CLEAN UP. THE WORK AREA SHALL BE KEPT FREE OF DEBRIS BY THE CONTRACTOR. AT NO TIME SHALL EMPTY HERBICIDE CONTAINERS, TRASH, OR OTHER MATERIAL BE ALLOWED TO ACCUMULATE AT THE PROJECT SITE. ALL CLEANING OF HERBICIDE CONTAINERS SHALL BE DONE AWAY FROM THE OWNER'S PROPERTY OR ANY SURROUNDING AREA. ALL TOOLS SHALL BE KEPT IN APPROPRIATE CARRYING CASES, TOOLBOXES, ETC. PARKING AREAS, ROADS, SIDEWALKS, PATHS AND PAVED AREAS SHALL BE KEPT FREE OF MUD AND DIRT.

B. REMOVAL. AFTER WORK HAS BEEN COMPLETED REMOVE TOOLS, EMPTY CONTAINERS, AND ALL OTHER DEBRIS GENERATED BY THE CONTRACTOR.

C. REPAIR. REPAIR ANY DAMAGES CAUSED BY THE CONTRACTOR DURING COMPLETION OF THE WORK DESCRIBED IN THIS SECTION. SAID DAMAGES MAY INCLUDE, BUT ARE NOT LIMITED TO, TIRE RUTS IN THE GROUND, DAMAGE TO PLANTED AREAS, DAMAGE TO TRAILS, SMOKE AND/OR FIRE DAMAGE TO TREES, ETC. THE CONTRACTOR SHALL BE LIABLE FOR REMEDYING DAMAGES TO PLANT MATERIALS AND PROPERTY AT NO COST TO THE OWNER CAUSED BY CONTRACTOR NEGLIGENCE DURING COMPLETION OF THE WORK.

D. REPLANTING. AREAS OF PLANTING FAILURE WILL NEED TO BE REPLANTED. CONTRACTOR SHALL IDENTIFY THE AREAS OF FAILURE WITH THE OWNER AND DETERMINE THE REASON FOR FAILURE. REPLANTING IF NOT DUE TO VANDALISM OR REASONS NOT IDENTIFIED IN THE SITE WORK PLANTING SPECIFICATIONS) SHALL BE DONE BY THE CONTRACTOR AS PART OF THE SITE WORK TASKS. OTHER PLANTING FAILURE AREAS WILL BE REPLANTED BY CONTRACTOR AS EXTRA WORK AUTHORIZED IN WRITING BY THE OWNER PRIOR TO COMMENCEMENT OF THE CONSTRUCTION.

3.5 INSPECTION

A. AT THE REQUEST OF THE OWNER, THE CONTRACTOR SHALL SCHEDULE AN INSPECTION WITH THE OWNER TO REVIEW THE WORK COMPLETED BY THE CONTRACTOR PURSUANT TO THIS SECTION.

3.6 ACCEPTANCE AND GUARANTEE

A. FINAL ACCEPTANCE: MANAGEMENT SHALL BE CONSIDERED 100% COMPLETE AFTER THE CONTRACTOR HAS COMPLIED WITH ALL PARTS OF THIS SECTION AND MEETS ALL PERFORMANCE STANDARDS FOR SEEDED AREAS (SECTION-SEEDING 3.4), PLANTINGS (SECTION-HERBACEOUS PERENNIAL 3.4),

AQUA-BARRIER PRODUCT SPECIFICATION

1.1 SPECIFICATION

A WATER-INFLATED TEMPORARY DAM SHALL CONSIST OF THE FOLLOWING;

1. THE WATER INFLATED DAM WILL CONSIST OF A SELF CONTAINED, SINGLE TUBE WITH AN INNER RESTRAINT BAFFLE(S)/DIAPHRAGM(S) STABILIZATION SYSTEM. THE WATER-INFLATED DAM MUST HAVE THE ABILITY TO STAND ALONE, WITHOUT ANY ADDITIONAL EXTERNAL MECHANICAL OR GRAVITATIONAL STABILIZATION DEVICES, AS A POSITIVE WATER BARRIER AND WATER MANAGEMENT SYSTEM.
2. THE WATER-INFLATED DAM SHALL BE PRODUCED FROM HEAVY GAUGE POLYVINYL CHLORIDE (PVC) REINFORCED WITH POLYESTER. THE PVC FABRIC USED TO CREATE THE INFLATABLE DAM WILL BE INFIELD REPAIRABLE UTILIZING A VINYL ADHESIVE AND PATCH MATERIAL.
3. THE WATER-INFLATED DAM MUST MAINTAIN MECHANICAL STABILITY IN ADDITION TO PROVIDING ANTI ROLLING WHEN EXPOSED TO UNEVEN HYDROSTATIC PRESSURE FROM EITHER SIDE.
4. THE SELF-CONTAINED WATER INFLATED DAM SHALL HAVE THREADED FILL PORTS AND DRAIN PORTS FOR RAPID INFLATION AND DRAINING. THE DAM WILL BE EQUIPPED WITH END LIFTING LOOPS USED TO CONTROL THE DAM WITH EQUIPMENT DURING THE INSTALLATION AND REMOVAL PROCESS.
5. METHOD FOR CONNECTING THE INDIVIDUAL UNITS TOGETHER WILL CONSIST OF OVERLAPPING THE END OF THE UNITS A SPECIFIC LENGTH WHICH WILL CREATE A WATERTIGHT CONNECTION. NO OTHER DEVICES OR METHODS FOR CONNECTING THE BARRIERS ARE REQUIRED.

1.2 AQUA-BARRIER™ PRODUCT DESCRIPTION

AQUA-BARRIERS™ ARE WATER-INFLATED DAMS USED TO CONTROL INVASIVE WATER IN FLOODWATER SITUATIONS. A MEANS OF WATER MANAGEMENT TO PROVIDE ACCESS TO UNDERWATER AREAS FOR CONSTRUCTION AND MAINTENANCE OPERATIONS, HAZARDOUS LIQUID CONTAINMENT, SEDIMENT RETENTION IN ENVIRONMENTALLY SENSITIVE AREAS IN ADDITION TO A CONTINUALLY EXPANDING LIST OF WATER CONTROL RELATED APPLICATIONS.

AQUA-BARRIERS™ ARE A SINGLE TUBE DEVISE WITH A PATENTED INNER RESTRAINT BAFFLE(S)/DIAPHRAGM(S) STABILIZING SYSTEM REQUIRED FOR STABILITY.

1.3 DAM SIZE REQUIREMENTS

THE WATER-INFLATED TEMPORARY DAM HEIGHT SHALL BE DETERMINED AS FOLLOWS;

1. STATIC WATER HEIGHT CONDITIONS SHALL NOT EXCEED 75% OF THE PROPERLY FILLED HEIGHT OF THE BARRIER.
2. DYNAMIC WATER HEIGHT CONDITIONS SHALL NOT EXCEED STATED VALUE DURING HYDRODYNAMIC INSTALLATION PROCEDURES (SEE DYNAMIC INSTALLATION INSTRUCTIONS FOR COMPLETE LIST OF REQUIREMENTS).
3. INSTALLATION SITE CRITERIA ARE REQUIRED FOR ASSESSMENT OF ALL RELEVANT FACTORS.

EXCESS SLOPE, HIGH WATER VELOCITIES, DYNAMIC LOADS RESULTING FROM WAVE ACTIONS, MOUNTING SURFACE IRREGULARITIES, AND CHANGES IN INTERRELATED HYDROLOGICAL CONDITIONS CAN INCREASE THE REQUIRED WATER INFLATED DAM HEIGHT VERSES RETENTION HEIGHT REQUIREMENTS.

NORTH AMERICAN GREEN®
MATERIAL AND PERFORMANCE SPECIFICATIONS
SC150 EROSION CONTROL BLANKET

The extended-term double net erosion control blanket shall be a machine-produced mat of 70% agricultural straw and 30% coconut fiber with a functional longevity of up to 24 months. (NOTE: functional longevity may vary depending upon climatic conditions, soil, geographical location, and elevation). The blanket shall be of consistent thickness with the straw and coconut evenly distributed over the entire area of the mat. The blanket shall be covered on the top side with a heavyweight photodegradable polypropylene netting having ultraviolet additives to delay breakdown and applied at 0.63 x 0.63 (1.59 x 1.59 cm) mesh, and on the bottom side with a lightweight photodegradable polypropylene netting applied at 0.50 x 0.50 in (1.27 x 1.27 cm) mesh. The blanket shall be sewn together on 1.50 inch (3.81 cm) centers with degradable thread.

The SC150 shall meet requirements established by the Erosion Control Technology Council (ECTC) Specification and the U.S. Department of Transportation Federal Highway Administration's (FHWA) *Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FP-03, 713.17 as a type 3.B Extended-term Erosion Control Blanket.*

The SC150 is also manufactured with the DOT System™, which consists of installation staple patterns clearly marked on the finished blanket with environmentally safe colored thread. The blanket shall be manufactured with a colored thread stitched along both outer edges (approximately 2.5 inches [5-12.5 cm] from the edge) as an overlap guide for adjacent mats.

Material Content		
Matrix	Straw Fiber	0.35 lbs/yd² (0.19 kg/m²)
	Coconut Fiber	0.15 lbs/yd² (0.08 kg/m²)
Nettings	Top: Heavyweight photodegracable with UV additives	3.0 lbs/1000 ft² (1.47 kg/100 m²)
	Bottom: Lightweight Photodegradable	1.5 lbs/1000 ft² (0.73 kg/100 m²)
Thread	Degradable	

SC150 is available in the following standard rolls:

Width	6.67 ft (2.03 m)	16 ft (4.9 m)
Length	108 ft (32.92 m)	108 ft (32.92 m)
Weight ± 10%	44 lbs (19.95 kg)	105.6 lbs (47.9 kg)
Area	80.0 yd² (66.9 m²)	192 yd² (160.5 m²)

Index Value Properties:

Property	Test Method	Typical
Thickness	ASTM D6525	0.50 in (12.7 mm)
Resiliency	ECTC Guidelines	81.4%
Water Absorbency	ASTM D1117	200%
Mass/Unit Area	ASTM 6475	0.44 oz/yd² (388 g/m²)
Swell	ECTC Guidelines	30%
Smolder Resistance	ECTC Guidelines	Yes
Stiffness	ASTM D1388	1.11 oz-in
Light Penetration	ECTC Guidelines	8.7%
Tensile Strength –MD	ASTM D6818	146.6 lbs/ft (2.17 kN/m)
Elongation – MD	ASTM D6818	26.9%
Tensile Strength – TD	ASTM D6818	147.6 lbs/ft (2.19 kN/m)
Elongation – TD	ASTM D6818	25.2%

Performance Design Values:

Maximum Permissible Shear Stress	
Unvegetated Shear Stress	2.00 lbs/ft² (95 Pa)
Unvegetated Velocity	8.00 ft/s (2.44 m/s)

Slope Design Data: C Factors

Slope Length	Slope Gradients (S)		
	≤ 3:1	3:1 – 2:1	≥ 2:1
≤ 20 ft (6 m)	0.001	0.048	0.100
20-50 ft	0.051	0.079	0.145
≥ 50 ft (15.2 m)	0.110	0.190	

Bench Scale Testing* (RECP):

Test Method	Parameters	Results
ECTC Method 2 Rainfall	200 mm (2 in)/hr for 30 min	SLR** = 5.47
	100mm (4 in)/hr for 30 min	SLR** = 5.67
	150 mm (6 in)/hr for 30 min	SLR** = 5.88
ECTC Method 3 Shear Resistance	**Shear at 0.50 inch soil loss**	**2.72 lbs/ft²**
ECTC Method 4 Germination	Top Soil, Fescue, 21 day incubation	538% improvement of biomass

* Bench scale tests should not be used for design purposes
** Soil Loss Ratio = Soil loss with Rare Soil/Soil Loss with RECP (soil loss is based on regression analysis)

Roughness Coefficients- Unveg.

Flow Depth	Manning's n
≤ 0.50 ft (0.15 m)	0.050
0.50 – 2.0 ft	0.050 – 0.018
≥ 2.0 ft (0.60 m)	0.018

NORTH AMERICAN GREEN®
MATERIAL AND PERFORMANCE SPECIFICATIONS
S75BN EROSION CONTROL BLANKET

The short-term single net erosion control blanket shall be a machine-produced mat of 100% agricultural straw with a functional longevity of up to 12 months. (NOTE: functional longevity may vary depending upon climatic conditions, soil, geographical location, and elevation). The blanket shall be of consistent thickness with the straw evenly distributed over the entire area of the mat. The blanket shall be covered on the top side with a 100% biodegradable woven natural organic fiber netting. The netting shall consist of machine directional strands formed from two intertwined yarns which form a continuous directional strands interwoven through the twisted machine strands (commonly referred to as a Leno weave) to form an approximate 0.50 x 0.50 in (1.27 x 1.27 cm) mesh. The blanket shall be sewn together on 1.50 inch (3.81 cm) centers with degradable thread.

The S75BN shall meet requirements established by the Erosion Control Technology Council (ECTC) Specification and the U.S. Department of Transportation Federal Highway Administration's (FHWA) *Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FP-03, 713.17 as a type 2.C Short-term Single Net Erosion Control Blanket.*

The blanket shall be manufactured with a colored thread stitched along both outer edges (approximately 2.5 inches [5-12.5 cm] from the edge) as an overlap guide for adjacent mats.

Material Content		
Matrix	100% Straw Fiber	0.5 lbs/yd² (0.27 kg/m²)
Nettings	Top side only- Leno Woven 100% biodegradable natural organic fiber	9.3 lb/1000 ft² (4.54 kg/100 m²) approx.
Thread	Degradable	

S75BN s available in the following standard rolls:

Width	6.67 ft (2.03 m)
Length	108 ft (32.92 m)
Weight ± 10%	46.4 lbs (21.05kg)
Area	80.0 yd² (66.9 m²)

Index Value Properties:

Property	Test Method	Typical
Thickness	ASTM D6525	0.24 in (6.1 mm)
Resiliency	ECTC Guidelines	81.4%
Water Absorbency	ASTM D1117	200%
Mass/Unit Area	ASTM 6475	0.45 oz/yd² (339.7 g/m²)
Smolder Resistance	ECTC Guidelines	Yes
Stiffness	ASTM D1388	5.92 oz-in
Light Penetration	ECTC Guidelines	9.1%
Tensile Strength –MD	ASTM D6818	187.2 lbs/ft (2.78 kN/m)
Elongation – MD	ASTM D6818	6.7%
Tensile Strength – TD	ASTM D6818	153.2 lbs/ft (2.86 kN/m)
Elongation – TD	ASTM D6818	8.5%

Performance Design Values:

Maximum Permissible Shear Stress	
Unvegetated Shear Stress	1.50 lbs/ft² (75 Pa)
Unvegetated Velocity	5.00 ft/s (1.52 m/s)

Slope Design Data: C Factors

Slope Length	Slope Gradients (S)		
	≤ 3:1	3:1 – 2:1	≥ 2:1
≤ 20 ft (6 m)	0.029	NA	NA
20-50 ft	0.11	NA	NA
≥ 50 ft (15.2 m)	0.19	NA	NA

Bench Scale Testing* (RECP):

Test Method	Parameters	Results
ECTC Method 2 Rainfall	200 mm (2 in)/hr for 30 min	SLR** = 6.63
	100mm (4 in)/hr for 30 min	SLR** = 7.25
	150 mm (6 in)/hr for 30 min	SLR** = 7.92
ECTC Method 3 Shear Resistance	**Shear at 0.50 inch soil loss**	**2.07 lbs/ft²**
ECTC Method 4 Germination	Top Soil, Fescue, 21 day incubation	464% improvement of biomass

* Bench scale tests should not be used for design purposes
** Soil Loss Ratio = Soil loss with Bare Soil/Soil Loss with RECP (soil loss is based on regression analysis)

Roughness Coefficients- Unveg.

Flow Depth	Manning's n
≤ 0.50 ft (0.15 m)	0.050
0.50 – 2.0 ft	0.050 – 0.021
≥ 2.0 ft (0.60 m)	0.021

NOTES:
SEE STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, AND STANDARD DETAILS FOR ADDITIONAL INFORMATION.

Applied Ecological Services, Inc.
120 West Main Street
West Dundee, Illinois 60118
Phone: 847-844-9385 Fax: 847-844-8759
Email: info@appliedeco.com

Crystal Creek Realignment
Construction Notes & Specifications
Algonquin, Illinois
Village of Algonquin
125 Wilbrandt Street
Algonquin, Illinois 60102

Drawn By:	EMK	AES Project No.:	09-0198 (02-527)
Checked:	WWS	File Name:	020527cst20100528_Notes-4.dwg
Approved:	GDP	Date:	11-30-2009

Revisions:

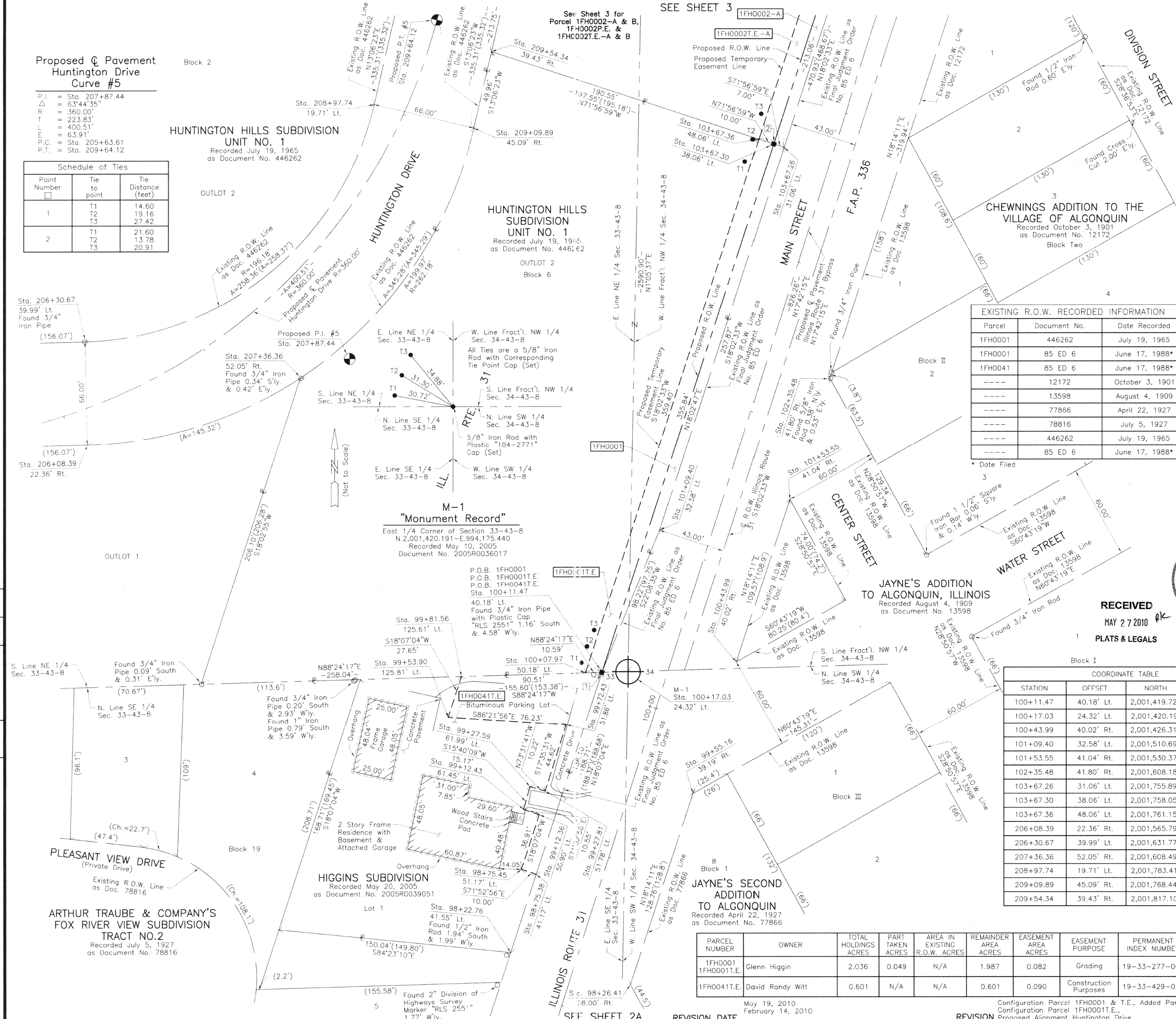
No.	By	Date	Description
1	MWW	02-26-10	Final AES review for ACOE submittal
2	MWW	05-28-10	ACOE & MCSWCD Comments
3	MWW	05-16-11	ACOE permit submittal
4			
5			
6			
7			

Sheet Number
10 of 10

FILE NAME = ...\D160F72-sht-Towne Park-12.dgn	USER NAME = akw	DESIGNED - AES	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TOWNE PARK PLANS	O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - AES	REVISED -			0003	18A-2	MCHENRY	825	409
	PLOT SCALE = 2.0000 ' / in.	CHECKED - AES	REVISED -						CONTRACT NO. 60F72	
	PLOT DATE = 5/2/2012	DATE - 5/3/2012	REVISED -		SCALE: AS NOTED / SHEET NO. 12 OF 12 SHEETS / STA. / TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE EAST 1/2 OF SEC. 33 AND PART OF THE FRACTIONAL WEST 1/2 OF SEC. 34, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

SEE SHEET 3



Proposed ℄ Pavement Huntington Drive Curve #5

P.I. = Sta. 207+87.44
Δ = 63°44'35"
R = 360.00'
T = 223.83'
L = 400.51'
E = 63.91'
P.C. = Sta. 205+63.61
P.T. = Sta. 209+64.12

Schedule of Ties		
Point Number □	Tie to point	Tie Distance (feet)
1	T1 T2 T3	14.60 19.16 27.42
2	T1 T2 T3	21.60 13.78 20.91

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
1FH0001	446262	July 19, 1965
1FH0001	85 ED 6	June 17, 1988*
1FH0041	85 ED 6	June 17, 1988*
----	12172	October 3, 1901
----	13598	August 4, 1909
----	77866	April 22, 1927
----	78816	July 5, 1927
----	446262	July 19, 1965
----	85 ED 6	June 17, 1988*

* Date Filed

LEGEND

SECTION CORNER
QUARTER SECTION CORNER
SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

N

0 30' 60'
SCALE: 1"=30'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
\+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET

● T1 T2 T3 **THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● BT1 BT2 BT3 **THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

■ **STAKING OF PROPOSED RIGHT OF WAY.** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M **STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 8E. AND SECTION 34, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 20th DAY OF May 2010 A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

RECEIVED
MAY 27 2010 RK
PLATS & LEGALS

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
100+11.47	40.18' Lt.	2,001,419.723	994,158.634
100+17.03	24.32' Lt.	2,001,420.191	994,175.440
100+43.99	40.02' Rt.	2,001,426.313	994,244.928
101+09.40	32.58' Lt.	2,001,510.699	994,195.655
101+53.55	41.04' Rt.	2,001,530.378	994,279.216
102+35.48	41.80' Rt.	2,001,608.189	994,304.854
103+67.26	31.06' Lt.	2,001,755.890	994,275.524
103+67.30	38.06' Lt.	2,001,758.059	994,268.868
103+67.36	48.06' Lt.	2,001,761.157	994,259.360
206+08.39	22.36' Rt.	2,001,565.799	993,827.591
206+30.67	39.99' Lt.	2,001,631.778	993,825.936
207+36.36	52.05' Rt.	2,001,608.498	993,964.553
208+97.74	19.71' Lt.	2,001,783.411	994,012.086
209+09.89	45.09' Rt.	2,001,768.445	994,076.366
209+54.34	39.43' Rt.	2,001,817.101	994,087.695

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
98+22.76	41.55' Lt.	2,001,240.369	994,099.950
98+26.41	38.00' Rt.	2,001,219.650	994,176.835
98+75.38	41.17' Lt.	2,001,290.374	994,116.312
98+75.45	51.17' Lt.	2,001,293.484	994,106.807
99+12.36	50.90' Lt.	2,001,328.563	994,118.285
99+12.43	61.45' Lt.	2,001,331.844	994,108.256
99+27.59	61.99' Lt.	2,001,346.450	994,112.354
99+27.81	51.78' Lt.	2,001,343.554	994,122.150
99+53.90	125.81' Lt.	2,001,390.920	994,059.559
99+55.16	39.19' Rt.	2,001,341.940	994,217.128
99+72.43	51.86' Lt.	2,001,386.088	994,135.636
99+81.56	125.61' Lt.	2,001,417.203	994,068.159
100+07.97	50.18' Lt.	2,001,419.428	994,148.045

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0001 1FH0001T.E.	Glenn Higgin	2.036	0.049	N/A	1.987	0.082	Grading	19-33-277-005	
1FH0041T.E.	David Randy Witt	0.601	N/A	N/A	0.601	0.090	Construction Purposes	19-33-429-023	

REVISION DATE	REVISION	MADE BY
May 19, 2010	Configuration Parcel 1FH0001 & T.E., Added Parcel 1FH0041T.E.	
February 14, 2010	Configuration Parcel 1FH0001T.E., Proposed Alignment Huntington Drive	

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 98+00 TO STATION 104+00
STATION 206+00 TO STATION 210+00
SCALE: 1"=30' SHEET 2 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03

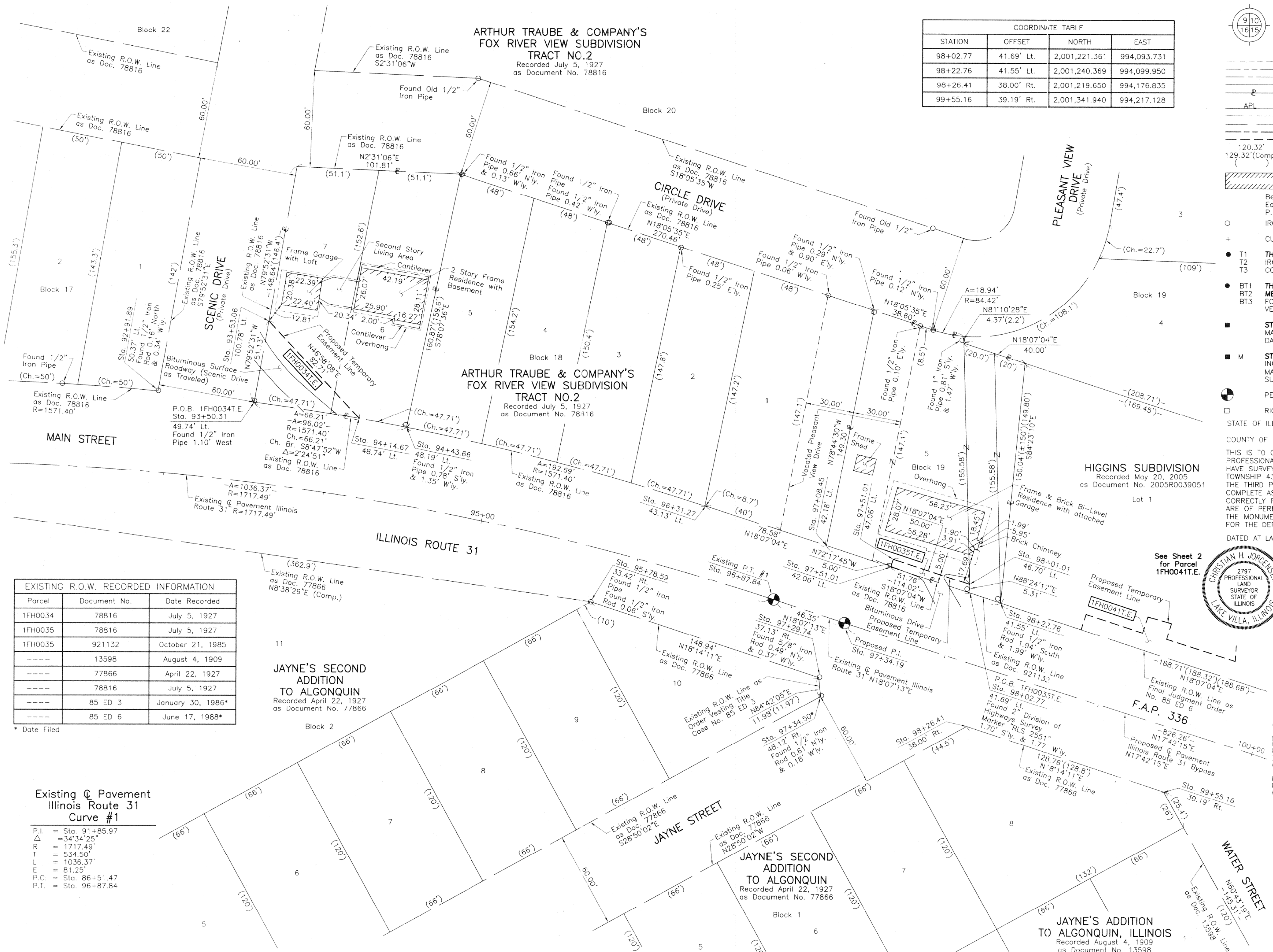
RECORDING: RECORDED ON AS DOCUMENT NO.

DATE	BY	MADE	CHECKED	INKED	ROW PLAT	NOTEBOOK NO

FILE NAME = ...\D160F72-sht-PH-02.dgn	USER NAME = akw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS
		DRAWN - JORGENSEN & ASSOC.	REVISED -		
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -		
	PLOT DATE = 5/2/2012	DATE -	REVISED -		SCALE: GRAPHIC / SHEET NO. 2 OF 49 SHEETS / STA. / TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	411
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE SE 1/4 OF SEC. 33 AND PART OF THE SW 1/4 OF SEC. 34, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0034	78816	July 5, 1927
1FH0035	78816	July 5, 1927
1FH0035	921132	October 21, 1985
----	13598	August 4, 1909
----	77866	April 22, 1927
----	78816	July 5, 1927
----	85 ED 3	January 30, 1986*
----	85 ED 6	June 17, 1988*

* Date Filed

ROW PLAT	DATE	BY	MADE	CHECKED	INKED	NOTEBOOK NO

Existing ℄ Pavement Illinois Route 31 Curve #1

P.I. = Sta. 91+85.97
Δ = 34°34'25"
R = 1717.49'
T = 534.50'
L = 1036.37'
E = 81.25'
P.C. = Sta. 86+51.47
P.T. = Sta. 96+87.84

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
98+02.77	41.69' Lt.	2,001,221.361	994,093.731
98+22.76	41.55' Lt.	2,001,240.369	994,099.950
98+26.41	38.00' Rt.	2,001,219.650	994,176.835
99+55.16	39.19' Rt.	2,001,341.940	994,217.128

LEGEND

SECTION CORNER
QUARTER SECTION CORNER
SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

0 30' 60'
SCALE: 1"=30'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
\+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET

● T1 T2 T3 **THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● BT1 BT2 BT3 **THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

■ **STAKING OF PROPOSED RIGHT OF WAY.** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M **STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 8E. AND SECTION 34, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 24th DAY OF March 20 10 A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
92+91.89	50.37' Lt.	2,000,716.500	993,969.117
93+50.31	49.74' Lt.	2,000,776.235	993,975.917
93+53.06	100.78' Lt.	2,000,785.223	993,925.585
94+14.67	48.74' Lt.	2,000,841.662	993,986.043
94+43.66	48.19' Lt.	2,000,870.972	993,991.501
95+78.59	33.42' Rt.	2,000,986.109	994,099.886
96+31.27	43.13' Lt.	2,001,057.321	994,040.058
97+08.45	42.18' Lt.	2,001,132.006	994,064.494
97+29.74	37.13' Rt.	2,001,127.573	994,146.497
*97+34.50	48.12' Rt.	2,001,128.680	994,158.425
97+51.01	42.06' Lt.	2,001,172.172	994,077.636
97+51.01	47.06' Lt.	2,001,173.692	994,072.873
98+01.01	46.70' Lt.	2,001,221.213	994,088.422

*Back Tangent Extend Foward

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0034T.E.	Eric C. Seubert and Sabrina H. Seubert, his wife, as joint tenants	0.348	N/A	N/A	0.348	0.038	N/A	Construction Purposes	19-33-429-016	
1FH0035T.E.	Roger O. Copel and Joan M. Copel, his wife, as Joint Tenants	0.361	N/A	N/A	0.361	0.006	254	Driveway Construction	19-33-429-022	

REVISION DATE September 13, 2010 July 15, 2010

REVISION P.I.N. Parcel 1FH0034T.E. Changed Parcel 1FH0034 to 1FH0034T.E.

RECEIVED SEP 15 2010 PLATS & LEGALS

MADE BY

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)

SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 92+00 TO STATION 100+00
SCALE: 1"=30' SHEET 2A OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03 RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME =	USER NAME = akw	DESIGNED -	REVISED -
...\D160F72-sht-PH-03.dgn		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 3 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	412
		CONTRACT NO. 60F72		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE FRACTIONAL NW 1/4 OF SEC. 34, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0002	446262	July 19, 1965
1FH0002	85 ED 6	June 17, 1988*
-----	12172	October 3, 1901
-----	446262	July 19, 1965
-----	918815	September 26, 1985

* Date Filed

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0002-A 1FH0002-B 1FH0002P.E. 1FH0002T.E.-A 1FH0002T.E.-B 1FH0002T.E.-C	J.P. & S.F. Enterprises, L.L.C., an Illinois limited liability company	1.803	A=0.093 B=0.067	N/A	1.649	P.E.=0.025 T.E.-A=0.314 T.E.-B=0.047 T.E.-C=0.127	Drainage Construction Purposes Grading Construction Purposes	19-33-227-006 19-34-152-002	

Proposed ℄ Pavement Huntington Drive Curve #5

P.I. = Sta. 207+87.44
Δ = 63°44'35"
R = 360.00'
T = 223.83'
L = 400.51'
E = 63.91'
P.C. = Sta. 205+63.61
P.T. = Sta. 209+64.12

Proposed ℄ Pavement Huntington Drive Curve #6

P.I. = Sta. 213+84.57
Δ = 49°07'33"
R = 575.00'
T = 262.81'
L = 493.01'
E = 57.21'
P.C. = Sta. 211+21.76
P.T. = Sta. 216+14.77

See Sheet 4 for Parcel 1FH0003 & 1FH0003T.E.

SEE SHEET 4

SEE SHEET 5

See Sheet 5 for Parcel 1FH0004-A & B & 1FH0004T.E.-A & B

See Sheet 3A for Parcel 1FH0036T.E.

SEE SHEET 2

HUNTINGTON DRIVE

ILLINOIS ROUTE 31

MAIN STREET

DIVISION STREET

F.A.P. 336

HUNTINGTON HILLS SUBDIVISION UNIT NO. 1
Recorded July 19, 1965 as Document No. 446262

CHEWNINGS ADDITION TO THE VILLAGE OF ALGONQUIN
Recorded October 3, 1901 as Document No. 12172
Block One

OUTLOT 2 Block 2

OUTLOT 2 Block 6

Block Two

1FH0003T.E.

1FH0002T.E.-C

1FH0002P.E.

1FH0002T.E.-B

1FH0002T.E.-A

1FH0002-B

1FH0004-A

1FH0002-A

1FH0036T.E.

Schedule of Ties		
Point Number	Tie to point	Tie Distance (feet)
1	T1	21.60
	T2	13.78
	T3	20.91
2	T1	66.56
	T2	65.92
	T3	71.59
3	T1	16.34
	T2	16.47
	T3	36.34
4	T1	34.26
	T2	11.61
	T3	17.19
5	T1	73.05
	T2	64.87
	T3	64.03
6	T1	60.41
	T2	60.55
	T3	66.55
7	T1	62.49
	T2	77.01
	T3	89.71
8	T1	43.61
	T2	38.44
	T3	39.52

T1, T2 & T3 to Point Nos. 7 & 8 are "MAG" Nails (Set) in Bituminous Parking Lot.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
107+30.03	73.64' Lt.	2,002,114.552	994,346.614
107+30.09	37.15' Lt.	2,002,103.262	994,381.315
107+30.12	20.15' Lt.	2,002,098.003	994,397.481
208+97.74	19.71' Lt.	2,001,783.411	994,012.086
209+09.89	45.09' Rt.	2,001,768.445	994,076.366
209+54.34	39.43' Rt.	2,001,817.101	994,087.695
209+95.00	38.27' Rt.	2,001,857.755	994,097.160
210+69.30	36.46' Rt.	2,001,930.140	994,114.013
210+70.64	91.44' Rt.	2,001,917.669	994,167.580
210+89.30	35.97' Rt.	2,001,949.620	994,118.548
210+90.63	90.93' Rt.	2,001,937.155	994,172.084
211+26.24	35.07' Rt.	2,001,985.348	994,126.866
211+50.00	52.23' Rt.	2,002,001.672	994,149.448
212+11.39	49.58' Rt.	2,002,055.017	994,166.435
212+29.30	44.44' Lt.	2,002,109.985	994,088.120
212+37.40	64.34' Rt.	2,002,070.128	994,189.640
212+70.79	34.08' Rt.	2,002,111.215	994,177.046
212+43.64	19.92' Rt.	2,002,095.019	994,152.400
213+00.00	52.18' Rt.	2,002,125.157	994,206.424
213+00.00	64.34' Rt.	2,002,118.668	994,216.704
213+24.27	10.24' Rt.	2,002,167.427	994,184.100
213+31.87	34.08' Rt.	2,002,159.711	994,207.816
213+38.04	51.94' Rt.	2,002,153.910	994,225.645

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
103+67.26	31.06' Lt.	2,001,755.890	994,275.524
103+67.30	38.06' Lt.	2,001,758.059	994,268.868
103+67.36	48.06' Lt.	2,001,761.157	994,259.360
104+50.00	47.57' Rt.	2,001,839.730	994,284.955
105+39.38	119.93' Lt.	2,001,946.882	994,243.199
105+55.41	44.77' Rt.	2,001,912.064	994,404.977
105+62.02	59.41' Rt.	2,001,913.502	994,420.814
105+75.90	119.83' Lt.	2,001,982.438	994,254.782
105+75.93	73.55' Lt.	2,001,968.068	994,298.768
105+80.10	29.94' Lt.	2,001,958.473	994,341.513
105+80.12	19.94' Lt.	2,001,955.379	994,351.023
106+44.26	44.99' Rt.	2,001,996.150	994,432.682

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 120.32' MEASURED DIMENSION
- (129.32') (Comp.) COMPUTED DIMENSION
- ( ) RECORD DATA
- EXISTING BUILDING

SCALE: 1"=20'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1, T2, T3 — ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1, BT2, BT3 — ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M — ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ◔ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 8E. AND SECTION 34, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 24th DAY OF February 20 09 A.D.

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY
COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

RECEIVED
MAY 27 2010
PLATS & LEGALS

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)

SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 103+50 TO STATION 108+00
STATION 209+00 TO STATION 214+00
SCALE: 1"=20' SHEET 3 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION	REVISION DATE	MADE BY
Ownership Parcel 1FH0002 Configuration Parcel 1FH0002, Proposed Alignment Huntington Drive	May 20, 2010 February 15, 2010	

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03 RECORDING: RECORDED ON AS DOCUMENT NO.

ROW PLAT	DATE	BY
MADE		
CHECKED		
INKED		
NOTEBOOK NO		

FILE NAME = ...\D160F72-sht-PH-04.dgn	USER NAME = akw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

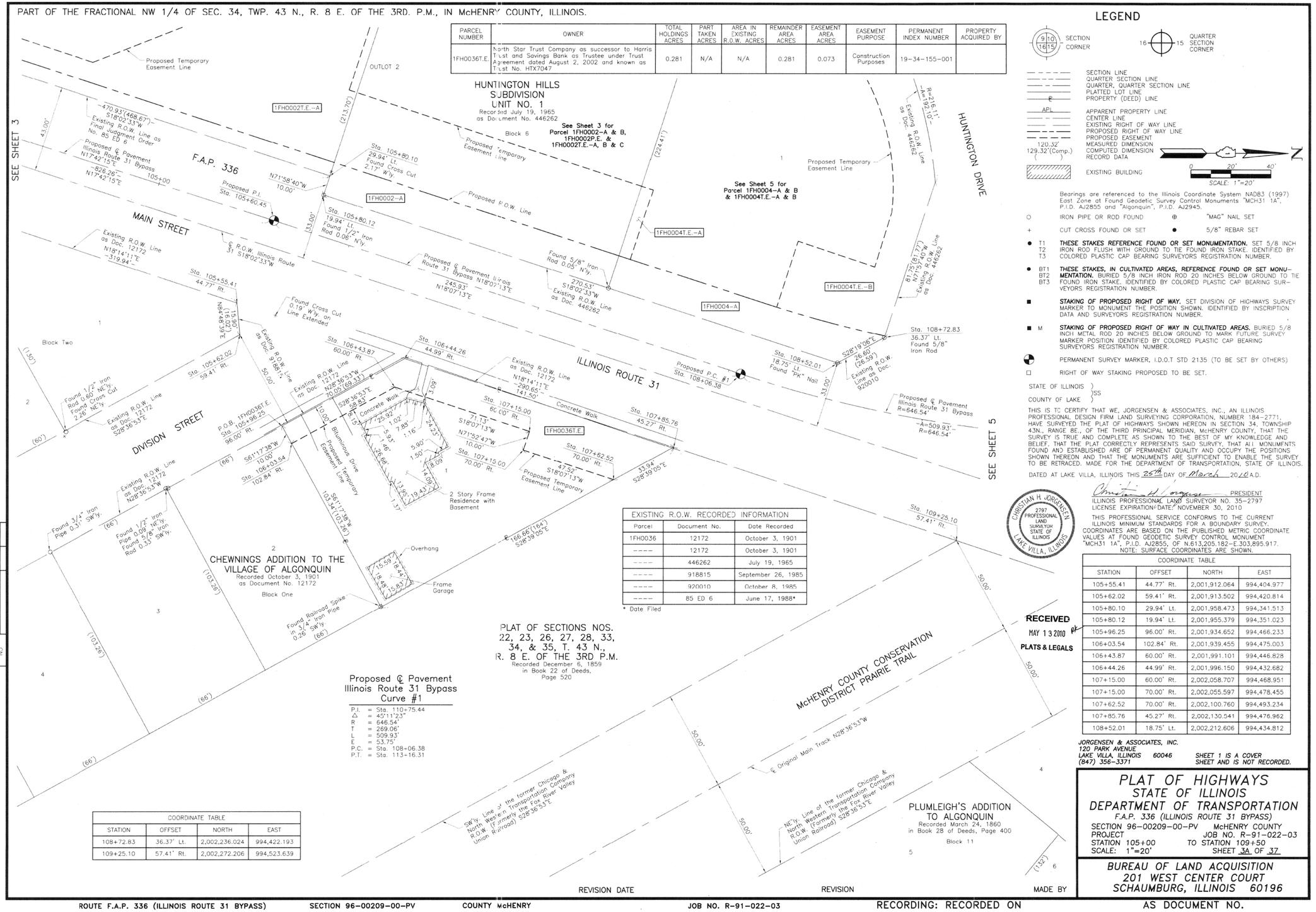
PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 4 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	413
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE FRACTIONAL NW 1/4 OF SEC. 34, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH00361.E.	North Star Trust Company as successor to Harris Trust and Savings Bank as Trustee under Trust Agreement dated August 2, 2002 and known as Trust No. HTX7047	0.281	N/A	N/A	0.281	0.073	Construction Purposes	19-34-155-001	



EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0036	12172	October 3, 1901
----	12172	October 3, 1901
----	446262	July 19, 1965
----	918815	September 26, 1985
----	920010	October 8, 1985
----	85 ED 6	June 17, 1988*

* Date Filed

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
108+72.83	36.37' Lt.	2,002,236.024	994,422.193
109+25.10	57.41' Rt.	2,002,272.206	994,523.639

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
105+55.41	44.77' Rt.	2,001,912.064	994,404.977
105+62.02	59.41' Rt.	2,001,913.502	994,420.814
105+80.10	29.94' Lt.	2,001,958.473	994,341.513
105+80.12	19.94' Lt.	2,001,955.379	994,351.023
105+96.25	96.00' Rt.	2,001,934.652	994,466.233
106+03.54	102.84' Rt.	2,001,939.455	994,475.003
106+43.87	60.00' Rt.	2,001,991.101	994,446.828
106+44.26	44.99' Rt.	2,001,996.150	994,432.682
107+15.00	60.00' Rt.	2,002,058.707	994,468.951
107+15.00	70.00' Rt.	2,002,055.597	994,478.455
107+62.52	70.00' Rt.	2,002,100.760	994,493.234
107+85.76	45.27' Rt.	2,002,130.541	994,476.962
108+52.01	18.75' Lt.	2,002,212.606	994,434.812

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
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- PROPOSED EASEMENT
- 120.32' MEASURED DIMENSION
- 129.32'(Comp.) COMPUTED DIMENSION
- ( ) RECORD DATA
- EXISTING BUILDING

SCALE: 1"=20'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1 T2 T3 **THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1 BT2 BT3 **THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 34, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 25th DAY OF March 2010 A.D.

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

RECEIVED
MAY 13 2010
PLATS & LEGALS

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)

SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 105+00 TO STATION 109+50
SCALE: 1"=20' SHEET 3A OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROW PLAT	MADE	CHECKED	LINKED	NOTEBOOK NO	BY	DATE

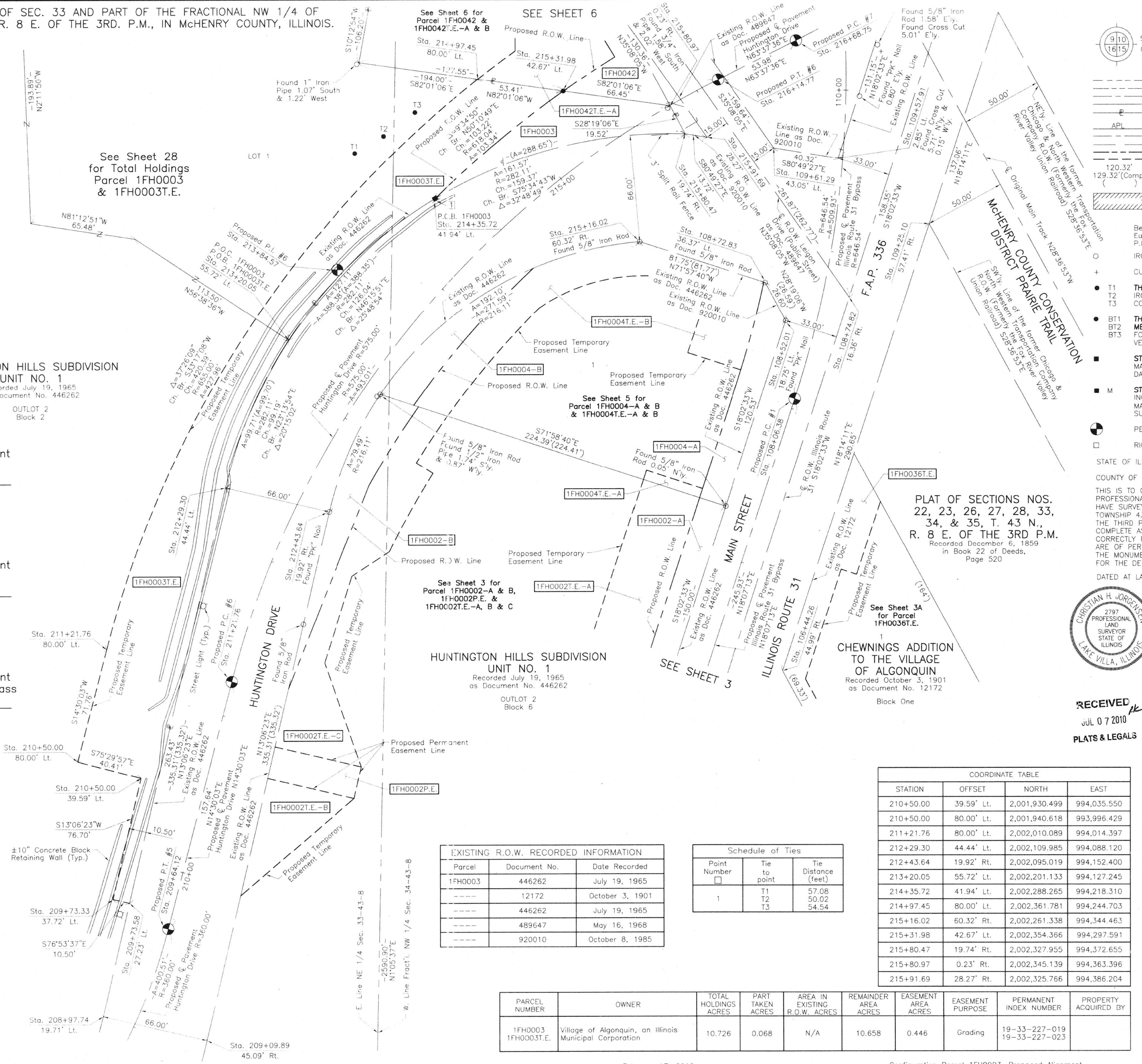
REVISION DATE | REVISION | MADE BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03 RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME = ...\D160F72-sht-PH-05.dgn	USER NAME = akw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS		
		DRAWN - JORGENSEN & ASSOC.	REVISED -				
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -				
	PLOT DATE = 5/2/2012	DATE -	REVISED -		SCALE: GRAPHIC	SHEET NO. 5 OF 49 SHEETS	STA. TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	414
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE FRACTIONAL NW 1/4 OF SEC. 34, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



Proposed ℄ Pavement Huntington Drive Curve #5

P.I.	= Sta. 207+87.44
Δ	= 63°44'35"
R	= 360.00'
T	= 223.83'
L	= 400.51'
E	= 63.91'
P.C.	= Sta. 205+63.61
P.T.	= Sta. 209+64.12

Proposed ℄ Pavement Huntington Drive Curve #6

P.I.	= Sta. 213+84.57
Δ	= 49°07'33"
R	= 575.00'
T	= 262.81'
L	= 493.01'
E	= 57.21'
P.C.	= Sta. 211+21.76
P.T.	= Sta. 216+14.77

Proposed ℄ Pavement Illinois Route 31 Bypass Curve #1

P.I.	= Sta. 110+75.44
Δ	= 45°11'23"
R	= 646.54'
T	= 269.06'
L	= 509.93'
E	= 53.75'
P.C.	= Sta. 108+06.38
P.T.	= Sta. 113+16.31

LEGEND

SECTION CORNER — QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

SCALE: 1"=30'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

IRON PIPE OR ROD FOUND — "MAG" NAIL SET
CUT CROSS FOUND OR SET — 5/8" REBAR SET

T1 T2 T3 **THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

BT1 BT2 BT3 **THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

M **STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 8E. AND SECTION 34, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 24th DAY OF February 20 05 A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

RECEIVED JUL 07 2010 PLATS & LEGALS

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
106+44.26	44.99' Rt.	2,001,996.150	994,432.682
108+52.01	18.75' Lt.	2,002,212.606	994,434.812
108+72.83	36.37' Lt.	2,002,236.024	994,422.193
108+74.82	16.36' Rt.	2,002,226.846	994,474.157
109+25.10	57.41' Rt.	2,002,272.206	994,523.639
109+57.91	2.85' Lt.	2,002,312.651	994,467.401
109+61.29	43.05' Lt.	2,002,319.081	994,427.592
208+97.74	19.71' Lt.	2,001,783.411	994,012.086
209+09.89	45.09' Rt.	2,001,768.445	994,076.366
209+73.33	37.72' Lt.	2,001,855.800	994,018.159
209+73.58	27.23' Lt.	2,001,853.419	994,028.385

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
210+50.00	39.59' Lt.	2,001,930.499	994,035.550
210+50.00	80.00' Lt.	2,001,940.618	993,996.429
211+21.76	80.00' Lt.	2,002,010.089	994,014.397
212+29.30	44.44' Lt.	2,002,109.985	994,088.120
212+43.64	19.92' Rt.	2,002,095.019	994,152.400
213+20.05	55.72' Lt.	2,002,201.133	994,127.245
214+35.72	41.94' Lt.	2,002,288.265	994,218.310
214+97.45	80.00' Lt.	2,002,361.781	994,244.703
215+16.02	60.32' Rt.	2,002,261.338	994,344.463
215+31.98	42.67' Lt.	2,002,354.366	994,297.591
215+80.47	19.74' Rt.	2,002,327.955	994,372.655
215+80.97	0.23' Rt.	2,002,345.139	994,363.396
215+91.69	28.27' Rt.	2,002,325.766	994,386.204

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
1FH0003	446262	July 19, 1965
----	12172	October 3, 1901
----	446262	July 19, 1965
----	489647	May 16, 1968
----	920010	October 8, 1985

Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
1	T1 T2 T3	57.08 50.02 54.54

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0003 1FH0003T.E.	Village of Algonquin, an Illinois Municipal Corporation	10.726	0.068	N/A	10.658	0.446	Grading	19-33-227-019 19-33-227-023	

REVISION DATE February 17, 2010 — REVISION Configuration Parcel 1FH0003, Proposed Alignment Huntington Drive — MADE BY

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 106+00 TO STATION 110+00
STATION 209+00 TO STATION 217+00
SCALE: 1"=30' SHEET 4 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

ROW PLAT	MADE	CHECKED	INKED	BY	DATE
NOTEBOOK NO					

FILE NAME = ...\D160F72-sht-PH-06.dgn	USER NAME = akw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 6 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	415

CONTRACT NO. 60F72

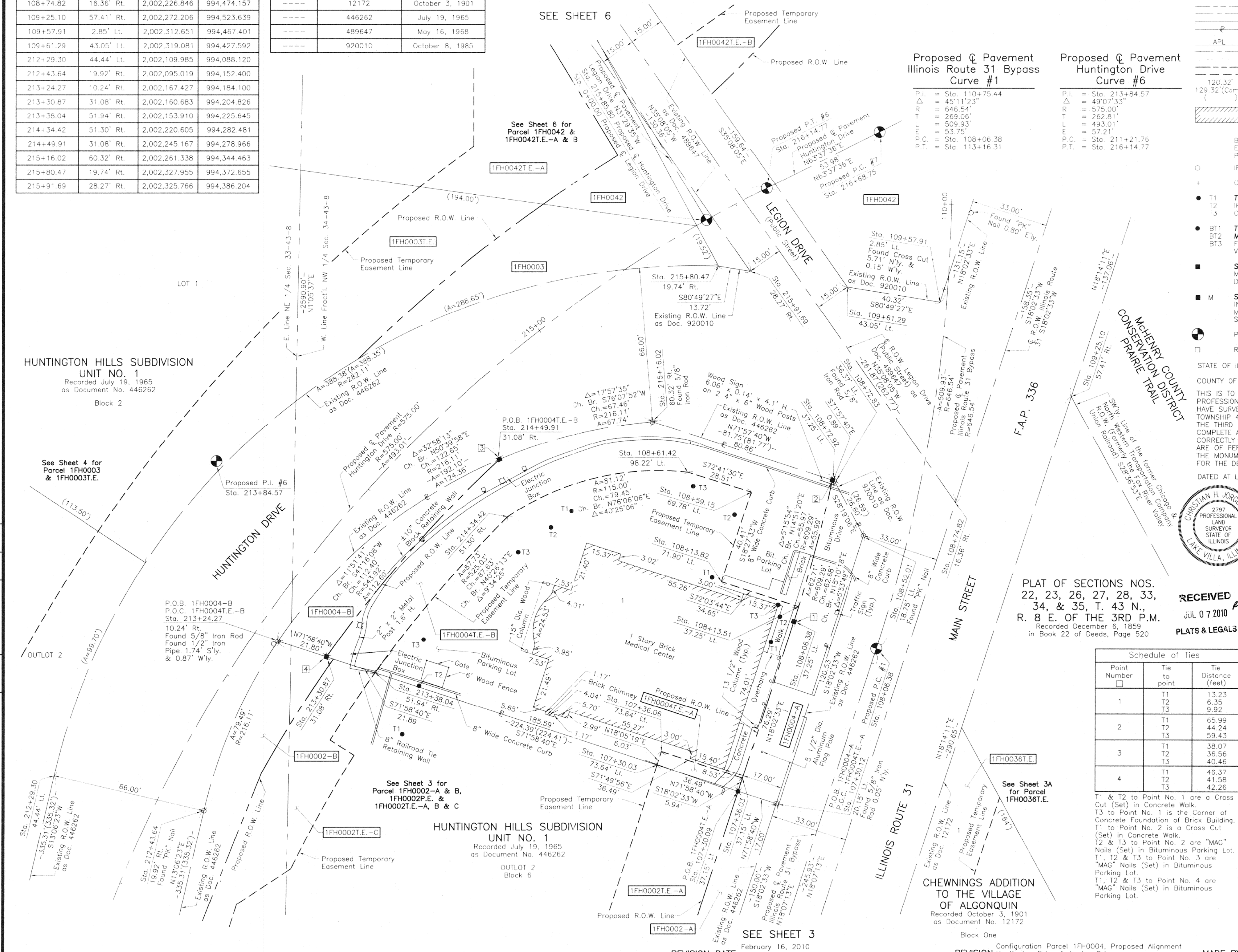
FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE FRACTIONAL NW 1/4 OF SEC. 34, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
108+72.83	36.37' Lt.	2,002,236.024	994,422.193
108+72.92	37.25' Lt.	2,002,236.299	994,421.349
108+74.82	16.36' Rt.	2,002,226.846	994,474.157
109+25.10	57.41' Rt.	2,002,272.206	994,523.639
109+57.91	2.85' Lt.	2,002,312.651	994,467.401
109+61.29	43.05' Lt.	2,002,319.081	994,427.592
212+29.30	44.44' Lt.	2,002,109.985	994,088.120
212+43.64	19.92' Rt.	2,002,095.019	994,152.400
213+24.27	10.24' Rt.	2,002,167.427	994,184.100
213+30.87	31.08' Rt.	2,002,160.683	994,204.826
213+38.04	51.94' Rt.	2,002,153.910	994,225.645
214+34.42	51.30' Rt.	2,002,220.605	994,282.481
214+49.91	31.08' Rt.	2,002,245.167	994,278.966
215+16.02	60.32' Rt.	2,002,261.338	994,344.463
215+80.47	19.74' Rt.	2,002,327.955	994,372.655
215+91.69	28.27' Rt.	2,002,325.766	994,386.204

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0004	446262	July 19, 1965
1FH0004	920010	October 8, 1985
----	12172	October 3, 1901
----	446262	July 19, 1965
----	489647	May 16, 1968
----	920010	October 8, 1985

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0004-A 1FH0004-B 1FH0004T.E.-A 1FH0004T.E.-B	First Colonial Bank Northwest, formerly known as Avenue Bank, formerly known as Dempster Plaza State Bank as Trustee under Trust dated September 23, 1983 known as Trust No. 822	0.575	A=0.052 B=0.038	N/A	0.485	A=0.005 B=0.140	218 N/A	Construction Purposes Construction Purposes	19-34-152-001	



Proposed ℄ Pavement
Illinois Route 31 Bypass
Curve #1

P.I. = Sta. 110+75.44
Δ = 45°11'23"
R = 646.54'
T = 269.06'
L = 509.93'
E = 53.75'
P.C. = Sta. 108+06.38
P.T. = Sta. 113+16.31

Proposed ℄ Pavement
Huntington Drive
Curve #6

P.I. = Sta. 213+84.57
Δ = 49°07'33"
R = 575.00'
T = 262.81'
L = 493.01'
E = 57.21'
P.C. = Sta. 211+21.76
P.T. = Sta. 216+14.77

LEGEND

SECTION CORNER — QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

SCALE: 1"=20'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

IRON PIPE OR ROD FOUND — "MAG" NAIL SET
CUT CROSS FOUND OR SET — 5/8" REBAR SET

T1 T2 T3 **THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

BT1 BT2 BT3 **THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

M **STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 8E. AND SECTION 34, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 24th DAY OF February 20 05 A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.

NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
107+30.03	73.64' Lt.	2,002,114.552	994,346.614
107+30.09	37.15' Lt.	2,002,103.262	994,381.315
107+30.12	20.15' Lt.	2,002,098.003	994,397.481
107+36.03	37.15' Lt.	2,002,108.908	994,383.154
107+36.06	73.64' Lt.	2,002,120.284	994,348.487
108+06.38	37.25' Lt.	2,002,175.802	994,404.944
108+13.51	37.25' Lt.	2,002,182.202	994,407.000
108+13.82	71.90' Lt.	2,002,192.874	994,374.033
108+52.01	18.75' Lt.	2,002,212.606	994,434.812
108+59.15	69.78' Lt.	2,002,231.207	994,386.828
108+61.42	98.22' Lt.	2,002,239.689	994,359.608

PLAT OF SECTIONS NOS. 22, 23, 26, 27, 28, 33, 34, & 35, T. 43 N., R. 8 E. OF THE 3RD P.M.
Recorded December 6, 1859 in Book 22 of Deeds, Page 520

RECEIVED JUL 07 2010 PLATS & LEGALS

Schedule of Ties		
Point Number	Tie to point	Tie Distance (feet)
1	T1 T2 T3	13.23 6.35 9.92
2	T1 T2 T3	65.99 44.24 59.43
3	T1 T2 T3	38.07 36.56 40.46
4	T1 T2 T3	46.37 41.58 42.26

T1 & T2 to Point No. 1 are a Cross Cut (Set) in Concrete Walk.
T3 to Point No. 1 is the Corner of Concrete Foundation of Brick Building.
T1 to Point No. 2 is a Cross Cut (Set) in Concrete Walk.
T2 & T3 to Point No. 2 are "MAG" Nails (Set) in Bituminous Parking Lot.
T1, T2 & T3 to Point No. 3 are "MAG" Nails (Set) in Bituminous Parking Lot.
T1, T2 & T3 to Point No. 4 are "MAG" Nails (Set) in Bituminous Parking Lot.

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 107+00 TO STATION 110+00
STATION 212+00 TO STATION 217+00
SCALE: 1"=20' SHEET 5 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE	REVISION	MADE BY
February 16, 2010	Configuration Parcel 1FH0004, Proposed Alignment Huntington Drive & Legion Drive	

ROW PLAT	MADE	CHECKED	INKED	NOTEBOOK NO	BY	DATE

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME =	USER NAME = akw	DESIGNED -	REVISED -
...\D160F72-sht-PH-07.dgn		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 '/ in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

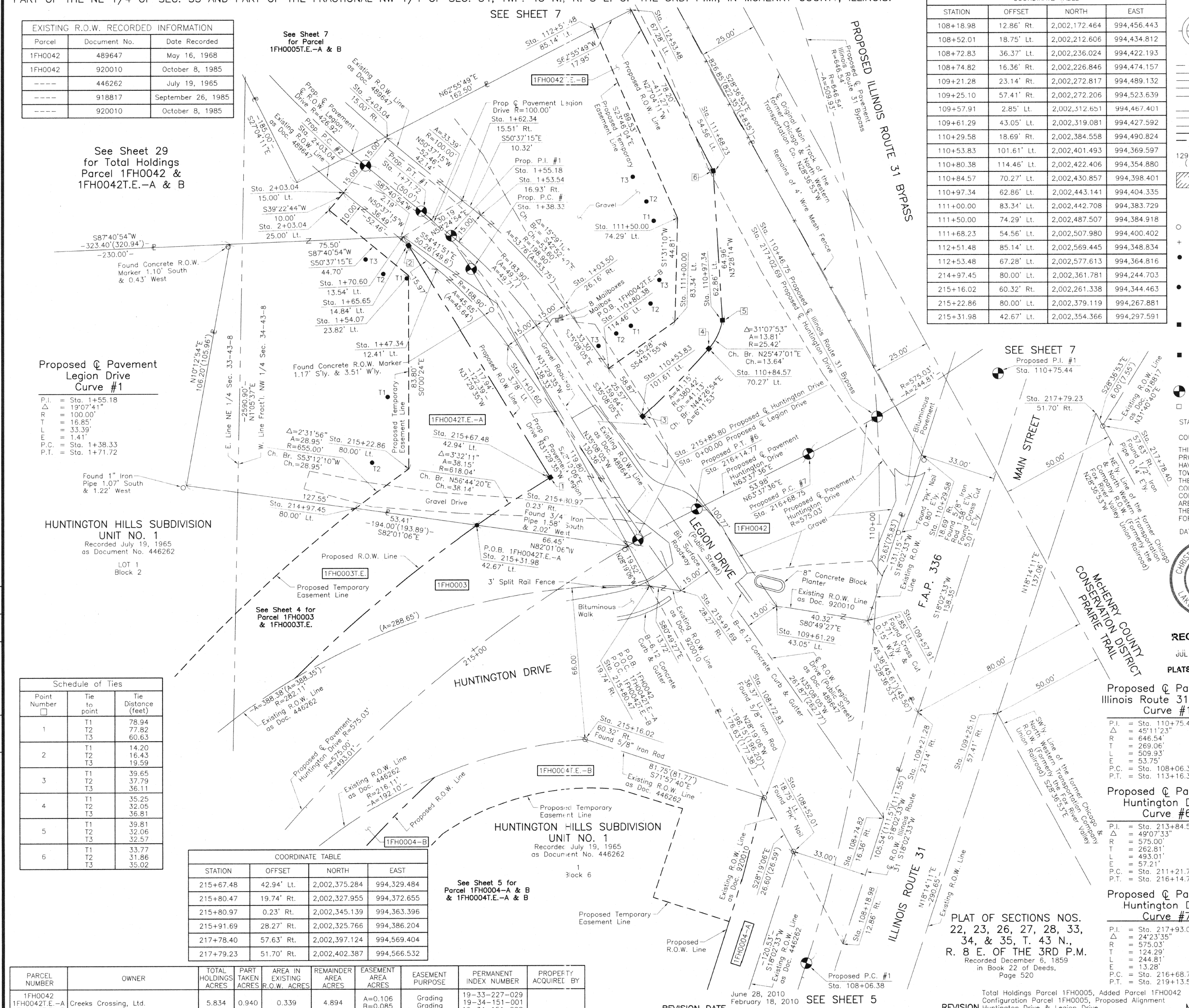
SCALE: GRAPHIC | SHEET NO. 7 OF 49 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	416
		CONTRACT NO. 60F72		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE FRACTIONAL NW 1/4 OF SEC. 34, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0042	489647	May 16, 1968
1FH0042	920010	October 8, 1985
----	446262	July 19, 1965
----	918817	September 26, 1985
----	920010	October 8, 1985



Proposed ℄ Pavement Legion Drive Curve #1

P.I. = Sta. 1+55.18
Δ = 19°07'41"
R = 100.00'
T = 16.85'
L = 33.39'
E = 1.41'
P.C. = Sta. 1+38.33
P.T. = Sta. 1+71.72

Schedule of Ties		
Point Number ☐	Tie to point	Tie Distance (feet)
1	T1 T2 T3	78.94 77.82 60.63
2	T1 T2 T3	14.20 16.43 19.59
3	T1 T2 T3	39.65 37.79 36.11
4	T1 T2 T3	35.25 32.05 36.81
5	T1 T2 T3	39.81 32.06 32.57
6	T1 T2 T3	33.77 31.86 35.02

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
215+67.48	42.94' Lt.	2,002,375.284	994,329.484
215+80.47	19.74' Rt.	2,002,327.955	994,372.655
215+80.97	0.23' Rt.	2,002,345.139	994,363.396
215+91.69	28.27' Rt.	2,002,325.766	994,386.204
217+78.40	57.63' Rt.	2,002,397.124	994,569.404
217+79.23	51.70' Rt.	2,002,402.387	994,566.532

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0042 1FH0042T.E.–A 1FH0042T.E.–B	Creeks Crossing, Ltd.	5.834	0.940	0.339	4.894	A=0.106 B=0.085	Grading Grading	19-33-227-029 19-34-151-001 19-34-151-008	

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
108+18.98	12.86' Rt.	2,002,172.464	994,456.443
108+52.01	18.75' Lt.	2,002,212.606	994,434.812
108+72.83	36.37' Lt.	2,002,236.024	994,422.193
108+74.82	16.36' Rt.	2,002,226.846	994,474.157
109+21.28	23.14' Rt.	2,002,272.817	994,489.132
109+25.10	57.41' Rt.	2,002,272.206	994,523.639
109+57.91	2.85' Lt.	2,002,312.651	994,467.401
109+61.29	43.05' Lt.	2,002,319.081	994,427.592
110+29.58	18.69' Rt.	2,002,384.558	994,490.824
110+53.83	101.61' Lt.	2,002,401.493	994,369.597
110+80.38	114.46' Lt.	2,002,422.406	994,354.880
110+84.57	70.27' Lt.	2,002,430.857	994,398.401
110+97.34	62.86' Lt.	2,002,443.141	994,404.335
111+00.00	83.34' Lt.	2,002,442.708	994,383.729
111+50.00	74.29' Lt.	2,002,487.507	994,384.918
111+68.23	54.56' Lt.	2,002,507.980	994,400.402
112+51.48	85.14' Lt.	2,002,569.445	994,348.834
112+53.48	67.28' Lt.	2,002,577.613	994,364.816
214+97.45	80.00' Lt.	2,002,361.781	994,244.703
215+16.02	60.32' Rt.	2,002,261.338	994,344.463
215+22.86	80.00' Lt.	2,002,379.119	994,267.881
215+31.98	42.67' Lt.	2,002,354.366	994,297.591

LEGEND

SECTION CORNER (9 10 / 16 15)
QUARTER SECTION CORNER (16 – 15)

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APL — APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

N

0 20' 40'
SCALE: 1"=20'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

○ IRON PIPE OR ROD FOUND — ⊕ "MAG" NAIL SET
\+ CUT CROSS FOUND OR SET — ● 5/8" REBAR SET

● T1 T2 T3 — ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● BT1 BT2 BT3 — ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

■ — ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M — ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

☐ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 8E. AND SECTION 34, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 11th DAY OF March 2010 A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.

NOTE: SURFACE COORDINATES ARE SHOWN.

RECEIVED JUL 07 2010 PLATS & LEGALS

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
1+01.60	3.78' Lt.	2,002,432.371	994,311.184
1+03.50	26.16' Rt.	2,002,449.636	994,335.718
1+47.34	12.41' Lt.	2,002,465.722	994,280.216
1+53.54	16.93' Rt.	2,002,488.912	994,299.249
1+54.07	23.82' Lt.	2,002,462.918	994,267.871
1+62.34	15.51' Rt.	2,002,495.462	994,291.268
1+65.65	14.84' Lt.	2,002,475.856	994,267.870
1+70.60	13.54' Lt.	2,002,479.648	994,265.547
2+03.04	15.00' Rt.	2,002,522.196	994,258.698
2+03.04	15.00' Lt.	2,002,499.007	994,239.665
2+03.04	25.00' Lt.	2,002,491.277	994,233.320

Proposed ℄ Pavement Illinois Route 31 Bypass Curve #1

P.I. = Sta. 110+75.44
Δ = 45°11'23"
R = 646.54'
T = 269.06'
L = 509.93'
E = 53.75'
P.C. = Sta. 108+06.38
P.T. = Sta. 113+16.31

Proposed ℄ Pavement Huntington Drive Curve #6

P.I. = Sta. 213+84.57
Δ = 49°07'33"
R = 575.00'
T = 262.81'
L = 493.01'
E = 57.21'
P.C. = Sta. 211+21.76
P.T. = Sta. 216+14.77

Proposed ℄ Pavement Huntington Drive Curve #7

P.I. = Sta. 217+93.04
Δ = 24°23'35"
R = 575.03'
T = 124.29'
L = 244.81'
E = 13.28'
P.C. = Sta. 216+68.75
P.T. = Sta. 219+13.56

PLAT OF SECTIONS NOS. 22, 23, 26, 27, 28, 33, 34, & 35, T. 43 N., R. 8 E. OF THE 3RD P.M.
Recorded December 6, 1859 in Book 22 of Deeds, Page 520

REVISION DATE		REVISION	MADE BY
June 28, 2010		Total Holdings Parcel 1FH0005, Added Parcel 1FH0042	
February 18, 2010		Configuration Parcel 1FH0005, Proposed Alignment Huntington Drive & Legion Drive	

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 0+00.00 TO STATION 3+00
STATION 108+00 TO STATION 112+00
STATION 214+00 TO STATION 218+00
SCALE: 1"=20' SHEET 6 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) — SECTION 96-00209-00-PV — COUNTY McHENRY — JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

DATE	BY	MADE	CHECKED	INKED	ROW PLAT	NOTEBOOK NO

FILE NAME = ...\D160F72-sht-PH-08.dgn	USER NAME = akw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

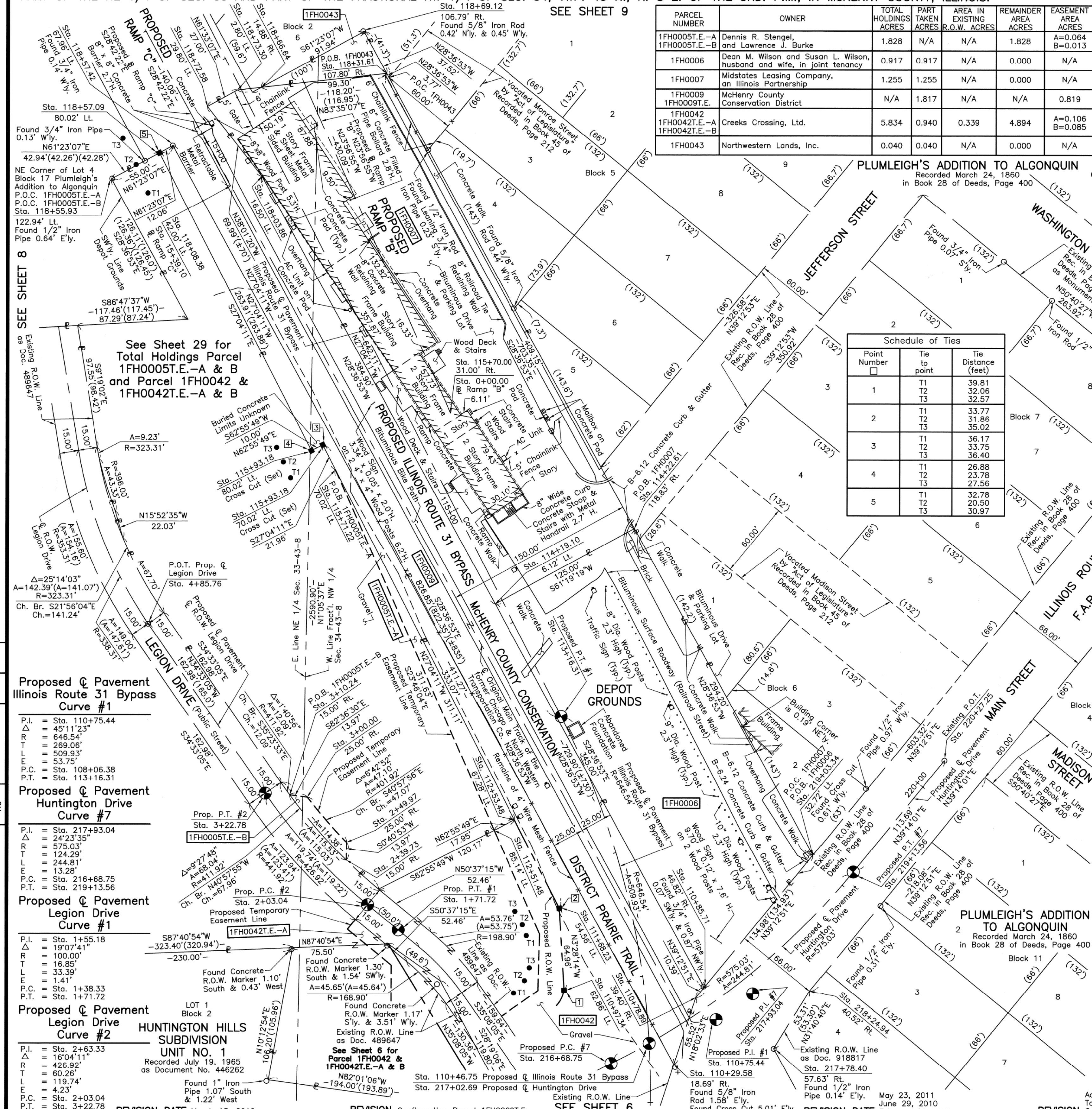
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 8 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	417
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE FRACTIONAL NW 1/4 OF SEC. 34, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0005T.E.–A 1FH0005T.E.–B	Dennis R. Stengel, and Lawrence J. Burke	1.828	N/A	N/A	1.828	A=0.064 B=0.013	Grading Grading	19–33–227–030	
1FH0006	Dean M. Wilson and Susan L. Wilson, husband and wife, in joint tenancy	0.917	0.917	N/A	0.000	N/A	N/A	19–34–109–014 19–34–109–016	
1FH0007	Midstates Leasing Company, an Illinois Partnership	1.255	1.255	N/A	0.000	N/A	N/A	19–34–109–013 19–34–109–015	
1FH0009 1FH0009T.E.	McHenry County Conservation District	N/A	1.817	N/A	N/A	0.819	Construction Purposes	19–28–476–008 19–33–228–003	
1FH0042 1FH0042T.E.–A 1FH0042T.E.–B	Creeks Crossing, Ltd.	5.834	0.940	0.339	4.894	A=0.106 B=0.085	Grading Grading	19–33–227–029 19–34–151–001 19–34–151–008	
1FH0043	Northwestern Lands, Inc.	0.040	0.040	N/A	0.000	N/A	N/A	No PIN assigned	

LEGEND

SECTION CORNER
QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APL — APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

SCALE: 1"=40' (0 — 40' — 80')

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- ○ IRON PIPE OR ROD FOUND — ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET — ● 5/8" REBAR SET
- ● T1 T2 T3 — ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1 BT2 BT3 — ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ — ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M — ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

Schedule of Ties		
Point Number □	Tie to point	Tie Distance (feet)
1	T1 T2 T3	39.81 32.06 32.57
2	T1 T2 T3	33.77 31.86 35.02
3	T1 T2 T3	36.17 33.75 36.40
4	T1 T2 T3	26.88 23.78 27.56
5	T1 T2 T3	32.78 20.50 30.97

RECEIVED
APR 12 2012 RK
PLATS & LEGALS

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184–2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 8E. AND SECTION 34, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

DATED AT LAKE VILLA, ILLINOIS THIS 3rd DAY OF May 2005 A.D.

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35–2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182–E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0005	Book 28 of Deeds, Page 400	March 24, 1860
1FH0005	489647	May 16, 1968
1FH0006	Book 28 of Deeds, Page 400	March 24, 1860
1FH0007	Book 28 of Deeds, Page 400	March 24, 1860
1FH0042	Book 28 of Deeds, Page 400	March 24, 1860
1FH0042	489647	May 16, 1968
----	Book 28 of Deeds, Page 400	March 24, 1860
----	Book 45 of Deeds, Page 212	June 6, 1870
----	918817	September 26, 1985

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
115+70.00	31.00' Rt.	2,002,899.526	994,313.742
115+71.22	70.02' Lt.	2,002,854.639	994,223.240
115+93.18	70.02' Lt.	2,002,874.197	994,213.245
115+93.18	80.02' Lt.	2,002,869.646	994,204.340
118+03.86	16.50' Lt.	2,003,086.152	994,165.025
118+08.38	42.00' Lt.	2,003,078.570	994,140.260
118+31.61	107.80' Rt.	2,003,167.424	994,263.079
118+55.93	122.94' Lt.	2,003,084.079	994,046.547
118+57.09	80.02' Lt.	2,003,104.644	994,084.242
118+57.42	67.96' Lt.	2,003,110.420	994,094.830
118+66.64	14.88' Rt.	2,003,156.330	994,164.397
118+69.12	106.79' Rt.	2,003,200.363	994,245.110
118+72.58	29.80' Lt.	2,003,141.288	994,121.914
118+73.30	2.80' Lt.	2,003,154.218	994,145.617
217+78.40	57.63' Rt.	2,002,397.124	994,569.404
218+24.94	40.52' Rt.	2,002,442.491	994,597.399
219+03.34	32.72' Lt.	2,002,549.982	994,599.925

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
2+39.73	15.00' Rt.	2,002,545.802	994,232.334
2+49.97	25.00' Rt.	2,002,559.775	994,232.500
3+00.00	25.00' Rt.	2,002,595.320	994,201.638
3+10.24	15.00' Rt.	2,002,597.118	994,187.780
110+29.58	18.69' Rt.	2,002,384.558	994,490.824
110+78.89	39.40' Rt.	2,002,437.352	994,508.021
110+85.71	46.82' Rt.	2,002,445.400	994,514.588
110+97.34	62.86' Lt.	2,002,443.141	994,404.335
111+68.23	54.56' Lt.	2,002,507.980	994,400.402
112+51.48	85.14' Lt.	2,002,569.445	994,348.834
112+53.48	67.28' Lt.	2,002,577.613	994,364.816
114+19.10	6.12' Lt.	2,002,748.262	994,349.362
114+22.61	118.83' Rt.	2,002,808.248	994,459.028

Proposed ℄ Pavement Illinois Route 31 Bypass Curve #1

P.I. = Sta. 110+75.44
Δ = 45°11'23"
R = 646.54'
T = 269.06'
L = 509.93'
E = 53.75'
P.C. = Sta. 108+06.38
P.T. = Sta. 113+16.31

Proposed ℄ Pavement Huntington Drive Curve #7

P.I. = Sta. 217+93.04
Δ = 24°23'35"
R = 575.03'
T = 124.29'
L = 244.81'
E = 13.28'
P.C. = Sta. 216+68.75
P.T. = Sta. 219+13.56

Proposed ℄ Pavement Legion Drive Curve #1

P.I. = Sta. 1+55.18
Δ = 19°07'41"
R = 100.00'
T = 16.85'
L = 33.39'
E = 1.41'
P.C. = Sta. 1+38.33
P.T. = Sta. 1+71.72

Proposed ℄ Pavement Legion Drive Curve #2

P.I. = Sta. 2+63.33
Δ = 16°04'11"
R = 426.92'
T = 60.26'
L = 119.74'
E = 4.23'
P.C. = Sta. 2+03.04
P.T. = Sta. 3+22.78

ROW PLAT	MADE	CHECKED	INKED	NOTEBOOK NO
BY				
DATE				

REVISION DATE March 13, 2012 — REVISION Configuration Parcel 1FH0009T.E.
REVISION DATE May 23, 2011 / June 29, 2010 / February 20, 2010 — REVISION Added Parcel 1FH0043 / Total Holdings Parcel 1FH0005, Added Parcel 1FH0042 / Configuration Parcel 1FH0005

MADE BY

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356–3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96–00209–00–PV McHENRY COUNTY
PROJECT JOB NO. R–91–022–03
STATION 1+71.72 TO STATION 4+85.76
STATION 110+00 TO STATION 119+00
STATION 216+00 TO STATION 220+27.25
SCALE: 1"=40' SHEET 7 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) — SECTION 96–00209–00–PV — COUNTY McHENRY — JOB NO. R–91–022–03 — RECORDING: RECORDED ON — AS DOCUMENT NO.

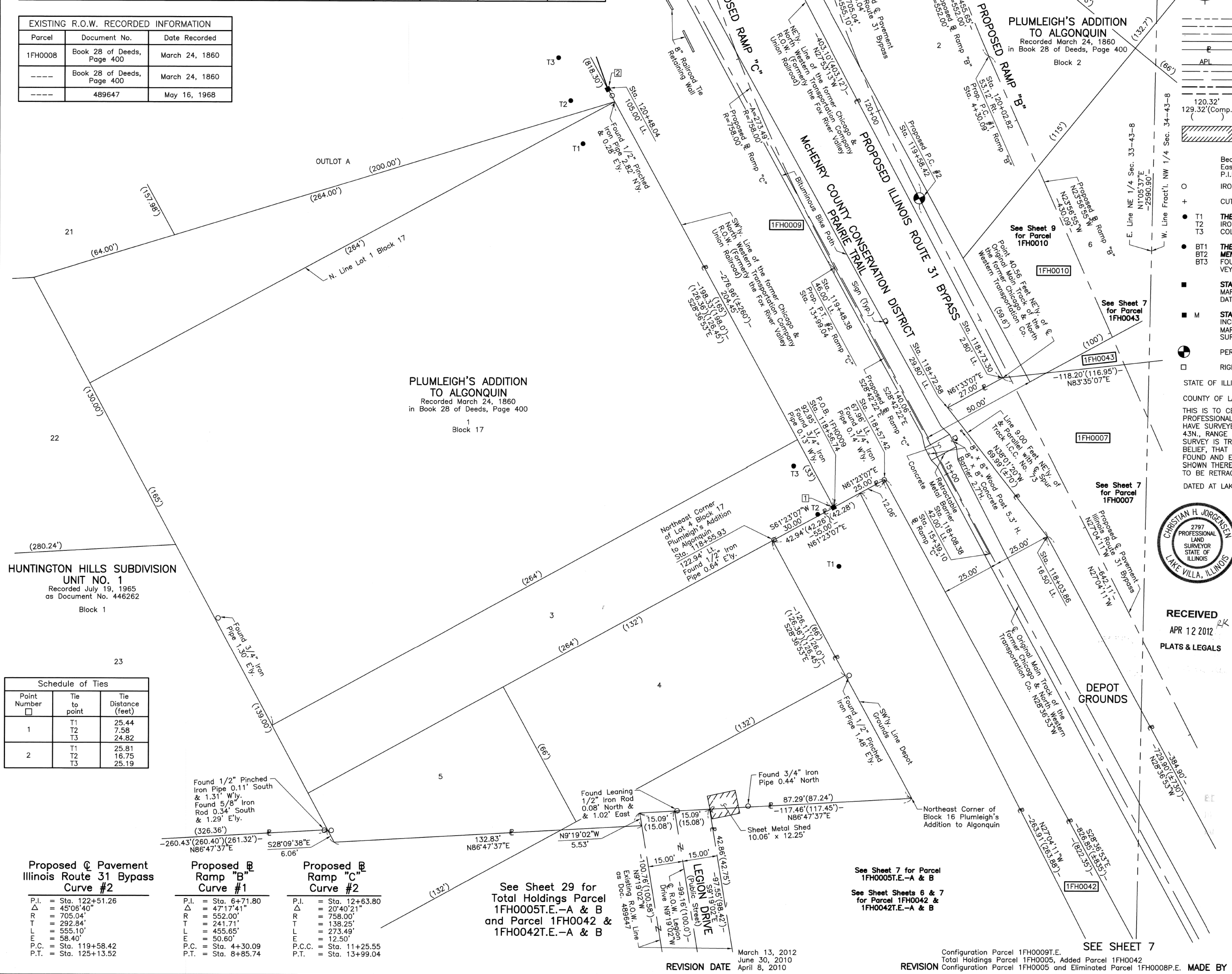
FILE NAME =	USER NAME = akw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS			
...\D160F72-sht-PH-09.dgn		DRAWN - JORGENSEN & ASSOC.	REVISED -					
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -					
	PLOT DATE = 5/2/2012	DATE -	REVISED -		SCALE: GRAPHIC	SHEET NO. 9 OF 49 SHEETS	STA.	TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	418
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE NE 1/4 OF SEC. 33, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0009 1FH0009T.E.	McHenry County Conservation District	N/A	1.817	N/A	N/A	0.819	Construction Purposes	19-28-476-008 19-33-228-003	

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0008	Book 28 of Deeds, Page 400	March 24, 1860
----	Book 28 of Deeds, Page 400	March 24, 1860
----	489647	May 16, 1968



Schedule of Ties		
Point Number	Tie to point	Tie Distance (feet)
1	T1 T2 T3	25.44 7.58 24.82
2	T1 T2 T3	25.81 16.75 25.19

Proposed ℄ Pavement Illinois Route 31 Bypass Curve #2

P.I. = Sta. 122+51.26
Δ = 45°06'40"
R = 705.04'
T = 292.84'
L = 555.10'
E = 58.40'
P.C. = Sta. 119+58.42
P.T. = Sta. 125+13.52

Proposed ℄ Ramp "B" Curve #1

P.I. = Sta. 6+71.80
Δ = 47°17'41"
R = 552.00'
T = 241.71'
L = 455.65'
E = 50.60'
P.C. = Sta. 4+30.09
P.T. = Sta. 8+85.74

Proposed ℄ Ramp "C" Curve #2

P.I. = Sta. 12+63.80
Δ = 20°40'21"
R = 758.00'
T = 138.25'
L = 273.49'
E = 12.50'
P.C.C. = Sta. 11+25.55
P.T. = Sta. 13+99.04

LEGEND

SECTION CORNER
QUARTER SECTION CORNER
SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

N

SCALE: 1"=20'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET

\+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET

● T1 T2 T3 ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● BT1 BT2 BT3 ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 33, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 14th DAY OF March 2005 A.D.

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

RECEIVED
APR 12 2012 RK
PLATS & LEGALS

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
118+03.86	16.50' Lt.	2,003,086.152	994,165.025
118+08.38	42.00' Lt.	2,003,078.570	994,140.260
118+55.93	122.94' Lt.	2,003,084.079	994,046.547
118+56.74	92.95' Lt.	2,003,098.447	994,072.883
118+57.42	67.96' Lt.	2,003,110.420	994,094.830
118+72.58	29.80' Lt.	2,003,141.288	994,121.914
118+73.30	2.80' Lt.	2,003,154.218	994,145.617
119+48.38	46.00' Lt.	2,003,201.415	994,072.987
120+02.82	53.12' Rt.	2,003,292.586	994,139.162
120+48.04	105.00' Lt.	2,003,277.923	993,974.970

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)

SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 117+00 TO STATION 121+00
SCALE: 1"=20' SHEET 8 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION	DATE	MADE BY
Configuration Parcel 1FH0009T.E.	March 13, 2012	
Total Holdings Parcel 1FH0005, Added Parcel 1FH0042	June 30, 2010	
Configuration Parcel 1FH0005 and Eliminated Parcel 1FH0008P.E.	April 8, 2010	

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03 RECORDING: RECORDED ON AS DOCUMENT NO.

ROW PLAT	NOTEBOOK NO	MADE	CHECKED	INKED	BY	DATE

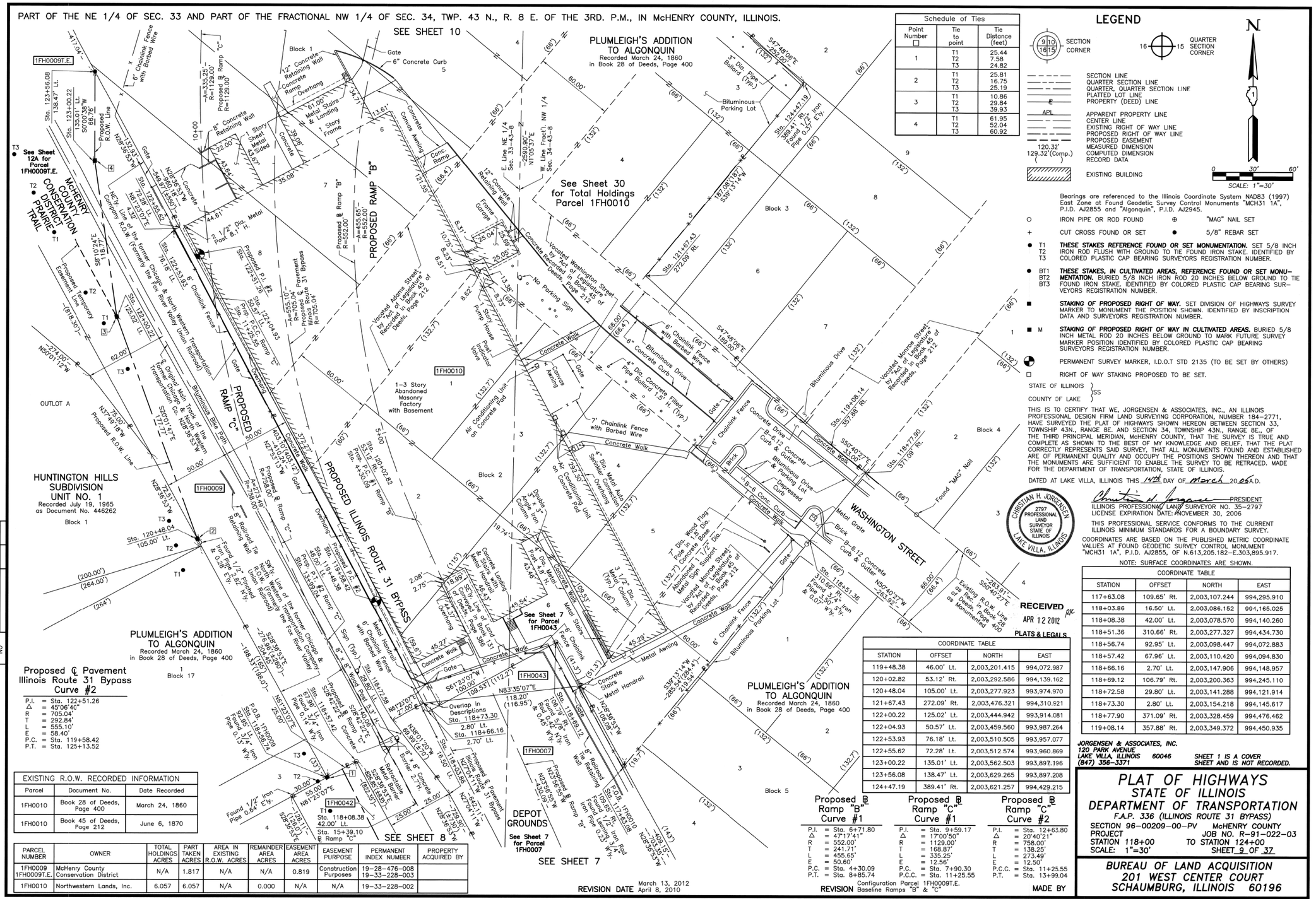
FILE NAME =	USER NAME = akw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS
...\D160F72-sht-PH-10.dgn		DRAWN - JORGENSEN & ASSOC.	REVISED -		
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -		
	PLOT DATE = 5/2/2012	DATE -	REVISED -		SCALE: GRAPHIC SHEET NO. 10 OF 49 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	419

CONTRACT NO. 60F72

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE FRACTIONAL NW 1/4 OF SEC. 34, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



Schedule of Ties		
Point Number ☐	Tie to point	Tie Distance (feet)
1	T1	25.44
	T2	7.58
	T3	24.82
2	T1	25.81
	T2	16.75
	T3	25.19
3	T1	10.86
	T2	29.84
	T3	39.93
4	T1	61.95
	T2	52.04
	T3	60.92

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 120.32' — MEASURED DIMENSION
- 129.32'(Comp.) — COMPUTED DIMENSION
- ( ) — RECORD DATA
- EXISTING BUILDING

N

SCALE: 1"=30'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- O IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1, T2, T3 — ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1, BT2, BT3 — ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ — ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M — ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ◐ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- ☐ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS } SS
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 8E. AND SECTION 34, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 14th DAY OF March 20 12 A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.

NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
117+63.08	109.65' Rt.	2,003,107.244	994,295.910
118+03.86	16.50' Lt.	2,003,086.152	994,165.025
118+08.38	42.00' Lt.	2,003,078.570	994,140.260
118+51.36	310.66' Rt.	2,003,277.327	994,434.730
118+56.74	92.95' Lt.	2,003,098.447	994,072.883
118+57.42	67.96' Lt.	2,003,110.420	994,094.830
118+66.16	2.70' Lt.	2,003,147.906	994,148.957
118+69.12	106.79' Rt.	2,003,200.363	994,245.110
118+72.58	29.80' Lt.	2,003,141.288	994,121.914
118+73.30	2.80' Lt.	2,003,154.218	994,145.617
118+77.90	371.09' Rt.	2,003,328.459	994,476.462
119+08.14	357.88' Rt.	2,003,349.372	994,450.935

RECEIVED APR 12 2012 PLATS & LEGALS

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
119+48.38	46.00' Lt.	2,003,201.415	994,072.987
120+02.82	53.12' Rt.	2,003,292.586	994,139.162
120+48.04	105.00' Lt.	2,003,277.923	993,974.970
121+67.43	272.09' Rt.	2,003,476.321	994,310.921
122+00.22	125.02' Lt.	2,003,444.942	993,914.081
122+04.93	50.57' Lt.	2,003,459.560	993,987.264
122+53.93	76.18' Lt.	2,003,510.505	993,957.077
122+55.62	72.28' Lt.	2,003,512.574	993,960.869
123+00.22	135.01' Lt.	2,003,562.503	993,897.196
123+56.08	138.47' Lt.	2,003,629.265	993,897.208
124+47.19	389.41' Rt.	2,003,621.257	994,429.215

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0010	Book 28 of Deeds, Page 400	March 24, 1860
1FH0010	Book 45 of Deeds, Page 212	June 6, 1870

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0009 1FH0009T.E.	McHenry County Conservation District	N/A	1.817	N/A	N/A	0.819	Construction Purposes	19-28-476-008 19-33-228-003	
1FH0010	Northwestern Lands, Inc.	6.057	6.057	N/A	0.000	N/A	N/A	19-33-228-002	

Proposed ℄ Ramp "B" Curve #1	Proposed ℄ Ramp "C" Curve #1	Proposed ℄ Ramp "C" Curve #2
P.I. = Sta. 6+71.80	P.I. = Sta. 9+59.17	P.I. = Sta. 12+63.80
Δ = 47°17'41"	Δ = 17°00'50"	Δ = 20°40'21"
R = 552.00'	R = 1129.00'	R = 758.00'
T = 241.71'	T = 168.87'	T = 138.25'
L = 455.65'	L = 335.25'	L = 273.49'
E = 50.60'	E = 12.56'	E = 12.50'
P.C. = Sta. 4+30.09	P.C. = Sta. 7+90.30	P.C.C. = Sta. 11+25.55
P.T. = Sta. 8+85.74	P.C.C. = Sta. 11+25.55	P.T. = Sta. 13+99.04

Configuration Parcel 1FH0009T.E. Baseline Ramps "B" & "C"

REVISION March 13, 2012 April 8, 2010 MADE BY

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)

SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 118+00 TO STATION 124+00
SCALE: 1"=30' SHEET 9 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

ROW PLAT	MADE	CHECKED	TINKED	NOTEBOOK	NO
DATE					
BY					

FILE NAME = ...\D160F72-sht-PH-11.dgn	USER NAME = ekw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

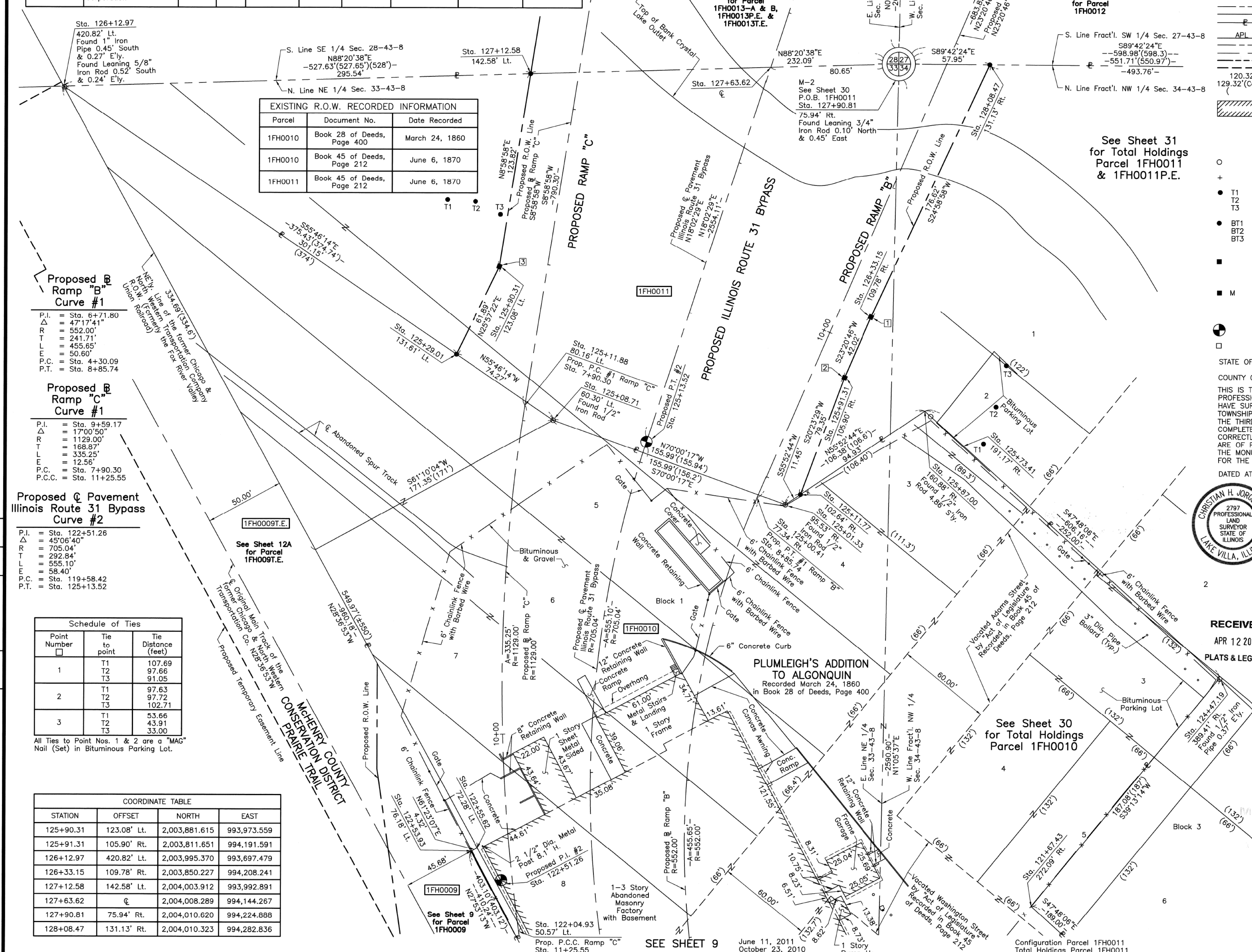
PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 11 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	420
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE FRACTIONAL NW 1/4 OF SEC. 34, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0010	Northwestern Lands, Inc.	6.057	6.057	N/A	0.000	N/A	N/A	19-33-228-002	
1FH0011 1FH0011P.E.	Village of Algonquin, an Illinois Municipal Corporation	11.870	1.412	N/A	10.458	P.E.=0.040	Highway Purposes	19-33-228-001 19-34-103-001	



EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
1FH0010	Book 28 of Deeds, Page 400	March 24, 1860
1FH0010	Book 45 of Deeds, Page 212	June 6, 1870
1FH0011	Book 45 of Deeds, Page 212	June 6, 1870

Proposed ℄ Ramp "B" Curve #1

P.I. = Sta. 6+71.80
Δ = 47°17'41"
R = 552.00'
T = 241.71'
L = 455.65'
E = 50.60'
P.C. = Sta. 4+30.09
P.T. = Sta. 8+85.74

Proposed ℄ Ramp "C" Curve #1

P.I. = Sta. 9+59.17
Δ = 17°00'50"
R = 1129.00'
T = 168.87'
L = 335.25'
E = 12.56'
P.C. = Sta. 7+90.30
P.C.C. = Sta. 11+25.55

Proposed ℄ Pavement Illinois Route 31 Bypass Curve #2

P.I. = Sta. 122+51.26
Δ = 45°06'40"
R = 705.04'
T = 292.84'
L = 555.10'
E = 58.40'
P.C. = Sta. 119+58.42
P.T. = Sta. 125+13.52

Schedule of Ties

Point Number □	Tie to point	Tie Distance (feet)
1	T1 T2 T3	107.69 97.66 91.05
2	T1 T2 T3	97.63 97.72 102.71
3	T1 T2 T3	53.66 43.91 33.00

All Ties to Point Nos. 1 & 2 are a "MAG" Nail (Set) in Bituminous Parking Lot.

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
125+90.31	123.08' Lt.	2,003,881.615	993,973.559
125+91.31	105.90' Rt.	2,003,811.651	994,191.591
126+12.97	420.82' Lt.	2,003,995.370	993,697.479
126+33.15	109.78' Rt.	2,003,850.227	994,208.241
127+12.58	142.58' Lt.	2,004,003.912	993,992.891
127+63.62	℄	2,004,008.289	994,144.267
127+90.81	75.94' Rt.	2,004,010.620	994,224.888
128+08.47	131.13' Rt.	2,004,010.323	994,282.836

June 11, 2011
October 23, 2010
April 8, 2010
REVISION DATE

Configuration Parcel 1FH0011
Total Holdings Parcel 1FH0011
REVISION Baseline Ramp "B" & "C"

MADE BY

LEGEND

SECTION CORNER
QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

SCALE: 1"=30'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET

\+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET

● T1 T2 T3 ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● BT1 BT2 BT3 ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 8E. AND SECTION 34, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 8th DAY OF March 2005 A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.

NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
121+67.43	272.09' Rt.	2,003,476.321	994,310.921
122+04.93	50.57' Lt.	2,003,459.560	993,987.264
122+53.93	76.18' Lt.	2,003,510.505	993,957.077
122+55.62	72.28' Lt.	2,003,512.574	993,960.869
124+47.19	389.41' Rt.	2,003,621.257	994,429.215
125+00.41	77.34' Rt.	2,003,735.402	994,136.833
125+01.33	95.53' Rt.	2,003,730.850	994,154.464
125+08.71	60.30' Lt.	2,003,784.189	994,007.878
125+11.77	102.64' Rt.	2,003,737.272	994,163.942
125+11.88	80.16' Lt.	2,003,793.572	993,990.022
125+29.01	131.61' Lt.	2,003,825.968	993,946.470
125+87.00	160.88' Rt.	2,003,790.523	994,242.531

RECEIVED
APR 12 2012
PLATS & LEGALS

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 122+00 TO STATION 128+00
SCALE: 1"=30' SHEET 10 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03 RECORDING: RECORDED ON AS DOCUMENT NO.

ROW PLAT	NOTEBOOK NO.	MADE	CHECKED	HKED	BY	DATE

PART OF THE FRACTIONAL SW 1/4 OF SEC. 27 AND PART OF THE SE 1/4 OF SEC. 28, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
130+37.50	℄	2,004,268.700	994,229.088
131+58.39	37.21' Lt.	2,004,395.168	994,231.146
132+58.06	67.89' Lt.	2,004,499.436	994,232.843
132+58.36	67.98' Lt.	2,004,499.755	994,232.848
132+87.79	77.04' Lt.	2,004,530.540	994,233.350
132+92.08	78.36' Lt.	2,004,535.030	994,233.422
132+93.69	78.86' Lt.	2,004,536.716	994,233.450
133+26.10	88.84' Lt.	2,004,570.625	994,234.002
133+41.29	93.51' Lt.	2,004,586.512	994,234.260
133+61.87	461.41' Rt.	2,004,434.222	994,768.268

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
61+18.60	286.62' Lt.	2,004,509.628	994,681.441
61+25.03	122.43' Lt.	2,004,378.585	994,582.314
61+27.06	℄	2,004,282.617	994,506.264
61+33.38	119.83' Lt.	2,004,371.278	994,587.122
62+34.55	106.50' Lt.	2,004,296.826	994,656.916
62+39.80	20.25' Rt.	2,004,195.481	994,580.611
62+45.98	169.75' Lt.	2,004,338.494	994,705.848
62+49.67	11.24' Lt.	2,004,213.576	994,608.207
62+83.06	10.98' Rt.	2,004,175.224	994,619.938
63+11.08	82.65' Lt.	2,004,229.860	994,700.973
63+69.42	40.42' Rt.	2,004,097.699	994,668.063
63+69.59	7.42' Rt.	2,004,123.112	994,689.115
65+10.35	41.14' Rt.	2,004,007.795	994,776.595
65+35.41	119.56' Lt.	2,004,116.184	994,897.852
65+47.12	11.35' Rt.	2,004,007.553	994,823.860
65+49.69	8.30' Rt.	2,004,008.293	994,827.723
65+50.04	41.30' Rt.	2,003,982.880	994,806.672
65+60.60	℄	2,004,007.464	994,841.284
66+49.25	130.18' Lt.	2,004,006.606	995,008.858
127+63.62	℄	2,004,008.289	994,144.267
127+90.81	75.94' Rt.	2,004,010.620	994,224.888
129+73.88	19.58' Rt.	2,004,202.144	994,228.005
129+80.74	230.64' Lt.	2,004,286.161	993,992.206

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0012	2005R0037352	May 16, 2005
----	228149	February 2, 1950
----	96R 044048	August 26, 1996
----	96R 055934	October 31, 1996
----	96R 058313	November 14, 1996
----	97R 004209	January 28, 1997
----	1999R0051344	July 16, 1999
----	2000R0039470	July 24, 2000
----	2001R0064390	September 4, 2001
----	2005R0037352	May 16, 2005

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

N

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APL APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

0 40' 80' SCALE: 1"=40'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

○ IRON PIPE OR ROD FOUND — ⊕ "MAG" NAIL SET

+ CUT CROSS FOUND OR SET — ● 5/8" REBAR SET

● T1 T2 T3 **THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● BT1 BT2 BT3 **THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

■ **STAKING OF PROPOSED RIGHT OF WAY.** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M **STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 27, TOWNSHIP 43N., RANGE 8E. AND SECTION 28, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 18th DAY OF May 2005 A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

RECEIVED
MAR 21 2012 RK
PLATS & LEGALS

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
55+13.58	47.07' Lt.	2,004,663.211	994,014.617
56+20.93	31.23' Rt.	2,004,552.155	994,086.521
56+21.68	40.06' Rt.	2,004,543.805	994,083.560
56+36.44	℄	2,004,574.181	994,113.380
56+60.64	℄	2,004,563.518	994,135.104
58+83.81	132.87' Lt.	2,004,539.596	994,402.392
58+84.65	94.42' Lt.	2,004,509.330	994,378.664
58+89.48	95.81' Lt.	2,004,507.337	994,383.280
58+93.95	62.76' Lt.	2,004,478.945	994,365.790
59+03.26	31.10' Lt.	2,004,448.560	994,352.915
59+80.16	82.04' Lt.	2,004,439.189	994,444.677
59+99.80	℄	2,004,363.302	994,407.849
60+80.96	29.53' Lt.	2,004,334.676	994,489.338
60+90.83	61.02' Lt.	2,004,352.772	994,516.934

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0012	Steven Scott and Nancy Scott, his wife, in joint tenancy	3.944	3.944	0.473	0.000	N/A	N/A	19-27-352-001	
1FH0014	Suhr Enterprises, Inc., an Illinois Corporation	1.314	1.314	N/A	0.000	N/A	N/A	19-28-478-009 19-28-478-012	

Proposed ℄ Pavement Algonquin Road Curve #8

P.I. = Sta. 56+94.15
Δ = 19°57'21"
R = 785.54'
T = 138.20'
L = 273.60'
E = 12.06'
P.C. = Sta. 55+55.95
P.T. = Sta. 58+29.55

Proposed ℄ Pavement Algonquin Road Curve #9

P.I. = Sta. 66+05.85
Δ = 22°25'15"
R = 305.00'
T = 60.45'
L = 119.35'
E = 5.93'
P.C. = Sta. 65+45.40
P.T. = Sta. 66+64.75

REVISION DATE	REVISION	MADE BY
March 1, 2010	Added Access Control Line to Parcel 1FH0021-A, Revised Alignment Algonquin Road	

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 55+00 TO STATION 66+64.75
STATION 127+00 TO STATION 135+00
SCALE: 1"=40' SHEET 11 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03 RECORDING: RECORDED ON AS DOCUMENT NO.

ROW PLAT	MADE	CHECKED	INKED	NOTEBOOK NO
BY				
DATE				

FILE NAME = ...\D160F72-sht-PH-13.dgn	USER NAME = akw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

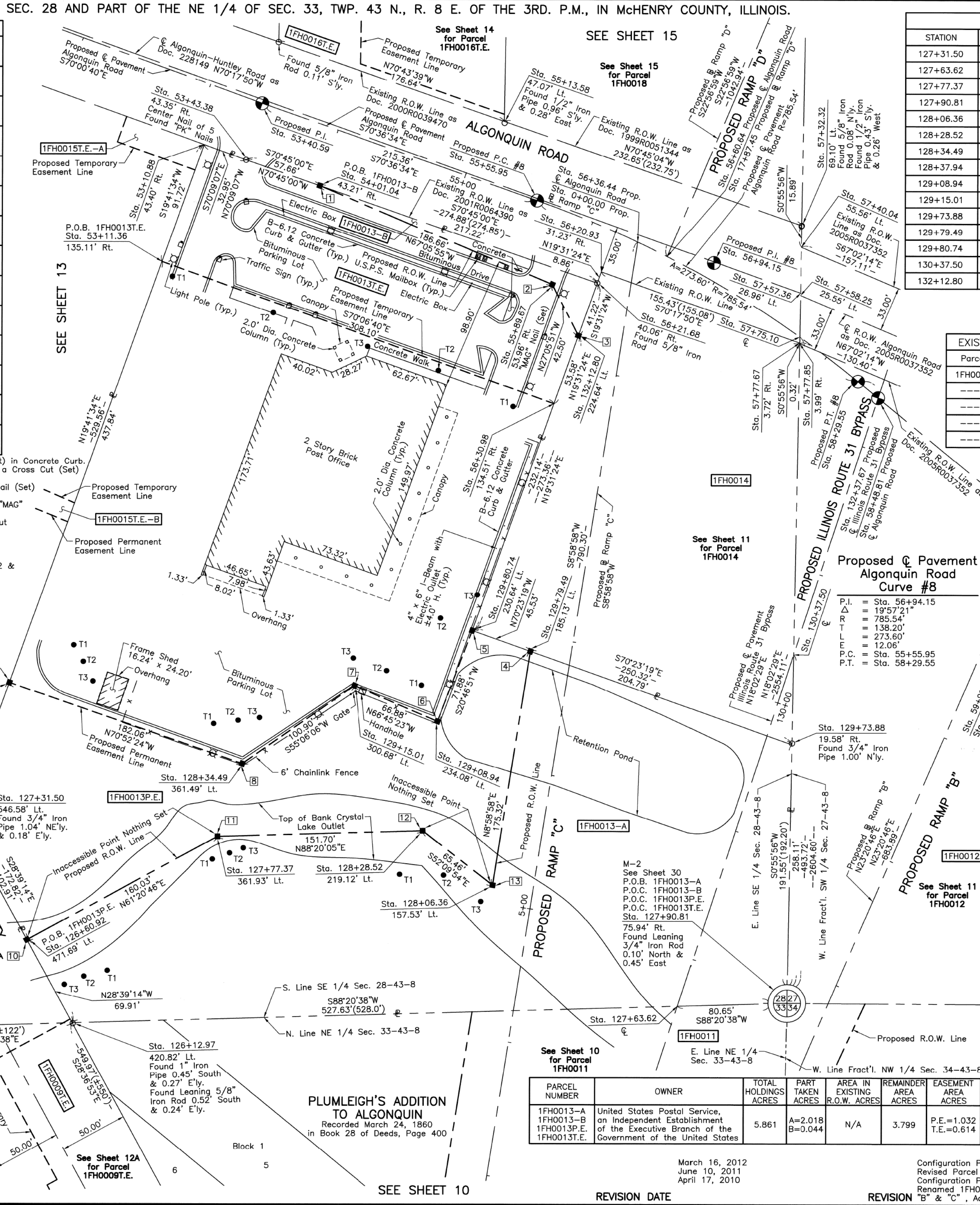
SCALE: GRAPHIC | SHEET NO. 13 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	422
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE SE 1/4 OF SEC. 28 AND PART OF THE NE 1/4 OF SEC. 33, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

Schedule of Ties		
Point Number □	Tie to point	Tie Distance (feet)
1	T1 T2 T3	127.68 99.85 124.08
2	T1 T2 T3	94.86 105.38 143.66
3	T1 T2 T3	71.20 106.43 155.64
4	T1 T2 T3	84.07 70.71 57.52
5	T1 T2 T3	55.02 25.19 26.94
6	T1 T2 T3	29.29 53.10 77.98
7	T1 T2 T3	49.60 26.28 20.34
8	T1 T2 T3	36.35 32.18 36.31
9	T1 T2 T3	53.66 55.65 60.97
10	T1 T2 T3	63.53 49.98 43.08
11	T1 T2 T3	17.28 15.15 20.88
12	T1 T2 T3	36.45 36.33 67.60
13	T1 T2 T3	69.04 36.93 14.82

T1 to Point No. 1 is a Cross Cut (Set) in Concrete Curb. T2 & T3 to Point Nos. 1, 2 & 3 are a Cross Cut (Set) in Concrete Walk. T1 to Point Nos. 2 & 3 is a "MAG" Nail (Set) in Bituminous Drive. T1 & T2 to Point Nos. 4 & 5 are a "MAG" Nail (Set) in Bituminous Parking Lot. T3 to Point Nos. 4 & 5 is a Cross Cut (Set) in Concrete Curb. All Ties to Point Nos. 6, 7, 8 & 9 are a "MAG" Nail (Set) in Bituminous Parking Lot. Tie Distances to Point Nos. 10, 11, 12 & 13 are Computed.



Proposed ℄ Pavement Algonquin Road Curve #8

P.I. = Sta. 56+94.15
Δ = 19°57'21"
R = 785.54'
T = 138.20'
L = 273.60'
E = 12.06'
P.C. = Sta. 55+55.95
P.T. = Sta. 58+29.55

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
127+31.50	546.58' Lt.	2,004,147.025	993,614.609
127+63.62	℄	2,004,008.289	994,144.267
127+77.37	361.93' Lt.	2,004,133.452	993,804.388
127+90.81	75.94' Rt.	2,004,010.620	994,224.888
128+06.36	157.53' Lt.	2,004,097.710	994,007.719
128+28.52	219.12' Lt.	2,004,137.860	993,956.022
128+34.49	361.49' Lt.	2,004,187.628	993,822.503
128+37.94	543.52' Lt.	2,004,247.282	993,650.492
129+08.94	234.08' Lt.	2,004,218.960	993,966.705
129+15.01	300.68' Lt.	2,004,245.353	993,905.255
129+73.88	19.58' Rt.	2,004,202.144	994,228.005
129+79.49	185.13' Lt.	2,004,270.880	994,035.093
129+80.74	230.64' Lt.	2,004,286.161	993,992.206
130+37.50	℄	2,004,268.700	994,229.088
132+12.80	224.64' Lt.	2,004,504.953	994,069.784

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0013	2001R0064390	September 4, 2001
----	228149	February 2, 1950
----	1999R0051344	July 16, 1999
----	2000R0039470	July 24, 2000
----	2005R0037352	May 16, 2005

LEGEND

SECTION CORNER — QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

N

0 40' 80'
SCALE: 1"=40'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

○ IRON PIPE OR ROD FOUND — ⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET — ● 5/8" REBAR SET

● T1 T2 T3 — ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● BT1 BT2 BT3 — ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

■ — ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M — ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184–2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 28, TOWNSHIP 43N., RANGE 8E. AND SECTION 33, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 18th DAY OF May 2005 A.D.

RECEIVED
APR 12 2012
PLATS & LEGALS

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35–2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182–E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
57+40.04	55.56' Lt.	2,004,570.625	994,234.002
57+57.36	26.96' Lt.	2,004,536.716	994,233.450
57+58.25	25.55' Lt.	2,004,535.030	994,233.422
57+75.10	℄	2,004,504.275	994,232.922
57+77.67	3.72' Rt.	2,004,499.755	994,232.848
57+77.85	3.99' Rt.	2,004,499.436	994,232.843
59+99.80	℄	2,004,363.302	994,407.849
126+12.97	420.82' Lt.	2,003,995.370	993,697.479
126+60.92	471.69' Lt.	2,004,056.715	993,663.958

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
53+10.88	43.40' Rt.	2,004,645.617	993,793.059
53+11.36	135.11' Rt.	2,004,559.265	993,762.153
53+43.38	43.35' Rt.	2,004,634.429	993,824.051
54+01.04	43.21' Rt.	2,004,615.420	993,878.485
55+13.58	47.07' Lt.	2,004,663.211	994,014.617
55+89.67	53.96' Rt.	2,004,542.784	994,050.427
56+20.93	31.23' Rt.	2,004,552.155	994,086.521
56+21.68	40.06' Rt.	2,004,543.805	994,083.560
56+30.98	134.51' Rt.	2,004,454.449	994,051.877
56+36.44	℄	2,004,574.181	994,113.380
56+60.64	℄	2,004,563.518	994,135.104
57+32.32	69.10' Lt.	2,004,586.512	994,234.260

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0013–A 1FH0013–B 1FH0013P.E. 1FH0013T.E.	United States Postal Service, an Independent Establishment of the Executive Branch of the Government of the United States	5.861	A=2.018 B=0.044	N/A	3.799	P.E.=1.032 T.E.=0.614	Drainage Construction Purposes	19–28–478–014	

REVISION DATE	REVISION	MADE BY
March 16, 2012 June 10, 2011 April 17, 2010	Configuration Parcel 1FH0009T.E. Revised Parcel 1FH0013–A, Deleted Access Control Configuration Parcel 1FH0013P.E., Eliminated 1FH0013T.E.–A, Renamed 1FH0013T.E.–B to 1FH0013T.E., Revised Alignment Ramps "B" & "C" , Added Access Control Lines	

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356–3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)

SECTION 96–00209–00–PV McHENRY COUNTY
PROJECT JOB NO. R–91–022–03
STATION 52+00 TO STATION 61+00
STATION 127+00 TO STATION 133+00
SCALE: 1"=40' SHEET 12 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96–00209–00–PV COUNTY McHENRY JOB NO. R–91–022–03 RECORDING: RECORDED ON AS DOCUMENT NO.

ROW PLAT	MADE	CHECKED	INKED	NOTEBOOK NO
BY				
DATE				

FILE NAME = ...\D160F72-sht-PH-14.dgn	USER NAME = akw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

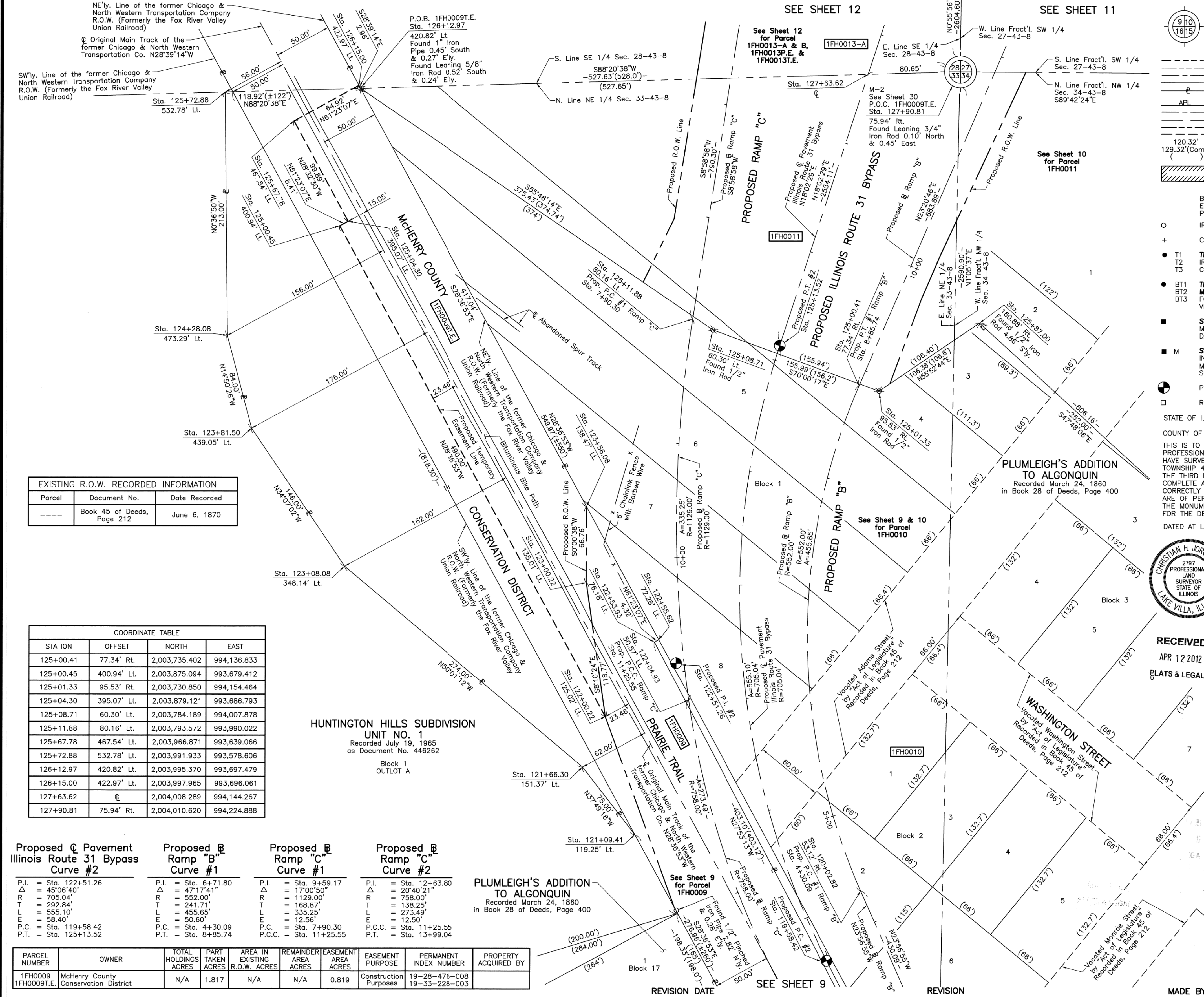
SCALE: GRAPHIC | SHEET NO. 14 OF 49 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	423

CONTRACT NO. 60F72

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE FRACTIONAL NW 1/4 OF SEC. 34, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

Symbol	Meaning
(9 10 / 16 15)	SECTION CORNER
16 ⊕ 15	QUARTER SECTION CORNER
	SECTION LINE
	QUARTER SECTION LINE
	QUARTER, QUARTER SECTION LINE
	PLATTED LOT LINE
ℙ	PROPERTY (DEED) LINE
APL	APPARENT PROPERTY LINE
	CENTER LINE
	EXISTING RIGHT OF WAY LINE
	PROPOSED RIGHT OF WAY LINE
	PROPOSED EASEMENT
120.32'	MEASURED DIMENSION
129.32'(Comp.)	COMPUTED DIMENSION
( )	RECORD DATA
	EXISTING BUILDING

SCALE: 1"=40' (0 — 40' — 80')

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET

+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET

● T1 T2 T3 ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● BT1 BT2 BT3 ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 8E. AND SECTION 34, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 18th DAY OF May 2005 A.D.

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

RECEIVED RK
APR 12 2012
PLATS & LEGALS

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
----	Book 45 of Deeds, Page 212	June 6, 1870

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
125+00.41	77.34' Rt.	2,003,735.402	994,136.833
125+00.45	400.94' Lt.	2,003,875.094	993,679.412
125+01.33	95.53' Rt.	2,003,730.850	994,154.464
125+04.30	395.07' Lt.	2,003,879.121	993,686.793
125+08.71	60.30' Lt.	2,003,784.189	994,007.878
125+11.88	80.16' Lt.	2,003,793.572	993,990.022
125+67.78	467.54' Lt.	2,003,966.871	993,639.066
125+72.88	532.78' Lt.	2,003,991.933	993,578.606
126+12.97	420.82' Lt.	2,003,995.370	993,697.479
126+15.00	422.97' Lt.	2,003,997.965	993,696.061
127+63.62	℄	2,004,008.289	994,144.267
127+90.81	75.94' Rt.	2,004,010.620	994,224.888

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
120+02.82	53.12' Rt.	2,003,292.586	994,139.162
121+09.41	119.25' Lt.	2,003,341.580	993,940.241
121+66.30	151.37' Lt.	2,003,400.825	993,894.251
122+00.22	125.02' Lt.	2,003,444.942	993,914.081
122+04.93	50.57' Lt.	2,003,459.560	993,987.264
122+53.93	76.18' Lt.	2,003,510.505	993,957.077
122+55.62	72.28' Lt.	2,003,512.574	993,960.869
123+00.22	135.01' Lt.	2,003,562.503	993,897.196
123+08.08	348.14' Lt.	2,003,576.875	993,684.293
123+56.08	138.47' Lt.	2,003,629.265	993,897.208
123+81.50	439.05' Lt.	2,003,697.747	993,602.403
124+28.08	473.29' Lt.	2,003,778.945	993,580.888

Proposed ℄ Pavement Illinois Route 31 Bypass Curve #2
P.I. = Sta. 122+51.26
Δ = 45°06'40"
R = 705.04'
T = 292.84'
L = 555.10'
E = 58.40'
P.C. = Sta. 119+58.42
P.T. = Sta. 125+13.52

Proposed ℄ Ramp "B" Curve #1
P.I. = Sta. 6+71.80
Δ = 47°17'41"
R = 552.00'
T = 241.71'
L = 455.65'
E = 50.60'
P.C. = Sta. 4+30.09
P.T. = Sta. 8+85.74

Proposed ℄ Ramp "C" Curve #1
P.I. = Sta. 9+59.17
Δ = 17°00'50"
R = 1129.00'
T = 168.87'
L = 335.25'
E = 12.56'
P.C. = Sta. 7+90.30
P.C.C. = Sta. 11+25.55

Proposed ℄ Ramp "C" Curve #2
P.I. = Sta. 12+63.80
Δ = 20°40'21"
R = 758.00'
T = 138.25'
L = 273.49'
E = 12.50'
P.C.C. = Sta. 11+25.55
P.T. = Sta. 13+99.04

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0009 1FH0009T.E.	McHenry County Conservation District	N/A	1.817	N/A	N/A	0.819	Construction Purposes	19-28-476-008 19-33-228-003	

ROW PLAT	NOTEBOOK NO	MADE	CHECKED	INKED	BY	DATE

REVISION DATE | REVISION | MADE BY

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 119+58.42 TO STATION 128+00
SCALE: 1"=40' SHEET 12A OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME = ...\D160F72-sht-PH-15.dgn	USER NAME = akw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 15 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	424

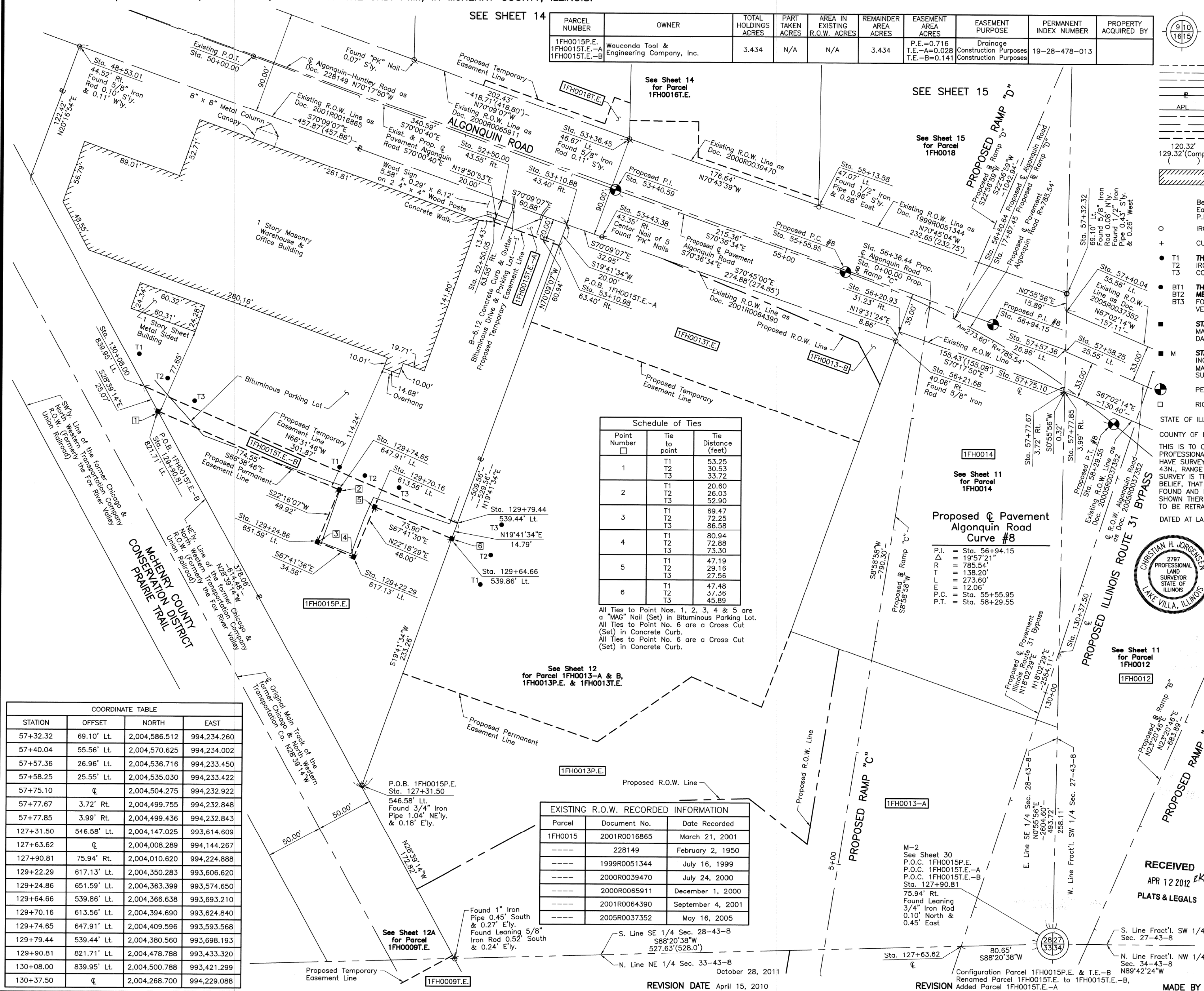
CONTRACT NO. 60F72

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

PART OF THE SE 1/4 OF SEC. 28, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

SEE SHEET 14

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0015P.E. 1FH0015T.E.–A 1FH0015T.E.–B	Wauconda Tool & Engineering Company, Inc.	3.434	N/A	N/A	3.434	P.E.=0.716 T.E.–A=0.028 T.E.–B=0.141	Drainage Construction Purposes Construction Purposes	19–28–478–013	



Schedule of Ties

Point Number ☐	Tie to point	Tie Distance (feet)
1	T1 T2 T3	53.25 30.53 33.72
2	T1 T2 T3	20.60 26.03 52.90
3	T1 T2 T3	69.47 72.25 86.58
4	T1 T2 T3	80.94 72.88 73.30
5	T1 T2 T3	47.19 29.16 27.56
6	T1 T2 T3	47.48 37.36 45.89

All Ties to Point Nos. 1, 2, 3, 4 & 5 are a "MAG" Nail (Set) in Bituminous Parking Lot.
All Ties to Point No. 6 are a Cross Cut (Set) in Concrete Curb.
All Ties to Point No. 6 are a Cross Cut (Set) in Concrete Curb.

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
1FH0015	2001R0016865	March 21, 2001
----	228149	February 2, 1950
----	1999R0051344	July 16, 1999
----	2000R0039470	July 24, 2000
----	2000R0065911	December 1, 2000
----	2001R0064390	September 4, 2001
----	2005R0037352	May 16, 2005

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
57+32.32	69.10' Lt.	2,004,586.512	994,234.260
57+40.04	55.56' Lt.	2,004,570.625	994,234.002
57+57.36	26.96' Lt.	2,004,536.716	994,233.450
57+58.25	25.55' Lt.	2,004,535.030	994,233.422
57+75.10	℄	2,004,504.275	994,232.922
57+77.67	3.72' Rt.	2,004,499.755	994,232.848
57+77.85	3.99' Rt.	2,004,499.436	994,232.843
127+31.50	546.58' Lt.	2,004,147.025	993,614.609
127+63.62	℄	2,004,008.289	994,144.267
127+90.81	75.94' Rt.	2,004,010.620	994,224.888
129+22.29	617.13' Lt.	2,004,350.283	993,606.620
129+24.86	651.59' Lt.	2,004,363.399	993,574.650
129+64.66	539.86' Lt.	2,004,366.638	993,693.210
129+70.16	613.56' Lt.	2,004,394.690	993,624.840
129+74.65	647.91' Lt.	2,004,409.596	993,593.568
129+79.44	539.44' Lt.	2,004,380.560	993,698.193
129+90.81	821.71' Lt.	2,004,478.788	993,433.320
130+08.00	839.95' Lt.	2,004,500.788	993,421.299
130+37.50	℄	2,004,268.700	994,229.088

ROW PLAT	NOTEBOOK NO	MADE	CHECKED	INKED	BY	DATE

LEGEND

SECTION CORNER — QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

SCALE: 1"=40'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

○ IRON PIPE OR ROD FOUND — ⊕ "MAG" NAIL SET

\+ CUT CROSS FOUND OR SET — ● 5/8" REBAR SET

● T1 T2 T3 **THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● BT1 BT2 BT3 **THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

■ **STAKING OF PROPOSED RIGHT OF WAY.** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M **STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

☐ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184–2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 28, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 18th DAY OF May 2005 A.D.

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35–2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182–E.303,895.917.

NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
48+53.01	44.52' Rt.	2,004,801.076	993,362.388
52+50.00	43.55' Rt.	2,004,666.287	993,735.794
52+50.05	63.55' Rt.	2,004,647.476	993,729.004
53+10.88	43.40' Rt.	2,004,645.617	993,793.059
53+10.98	63.40' Rt.	2,004,626.786	993,786.319
53+36.45	46.67' Lt.	2,004,721.513	993,847.876
53+43.38	43.35' Rt.	2,004,634.429	993,824.051
55+13.58	47.07' Lt.	2,004,663.211	994,014.617
56+20.93	31.23' Rt.	2,004,552.155	994,086.521
56+21.68	40.06' Rt.	2,004,543.805	994,083.560
56+36.44	℄	2,004,574.181	994,113.380
56+60.64	℄	2,004,563.518	994,135.104

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356–3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

RECEIVED APR 12 2012 PLATS & LEGALS

M–2 See Sheet 30
P.O.C. 1FH0015P.E.
P.O.C. 1FH0015T.E.–A
P.O.C. 1FH0015T.E.–B
Sta. 127+90.81
75.94' Rt.
Found Leaning 3/4" Iron Rod 0.10' North & 0.45' East

REVISION DATE April 15, 2010 — October 28, 2011

REVISION — Configuration Parcel 1FH0015P.E. & T.E.–B Renamed Parcel 1FH0015T.E. to 1FH0015T.E.–B, Added Parcel 1FH0015T.E.–A

MADE BY

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)

SECTION 96–00209–00–PV — McHENRY COUNTY
PROJECT — JOB NO. R–91–022–03
STATION 49+00 TO STATION 58+00
STATION 127+00 TO STATION 133+00
SCALE: 1"=40' — SHEET 13 OF 37

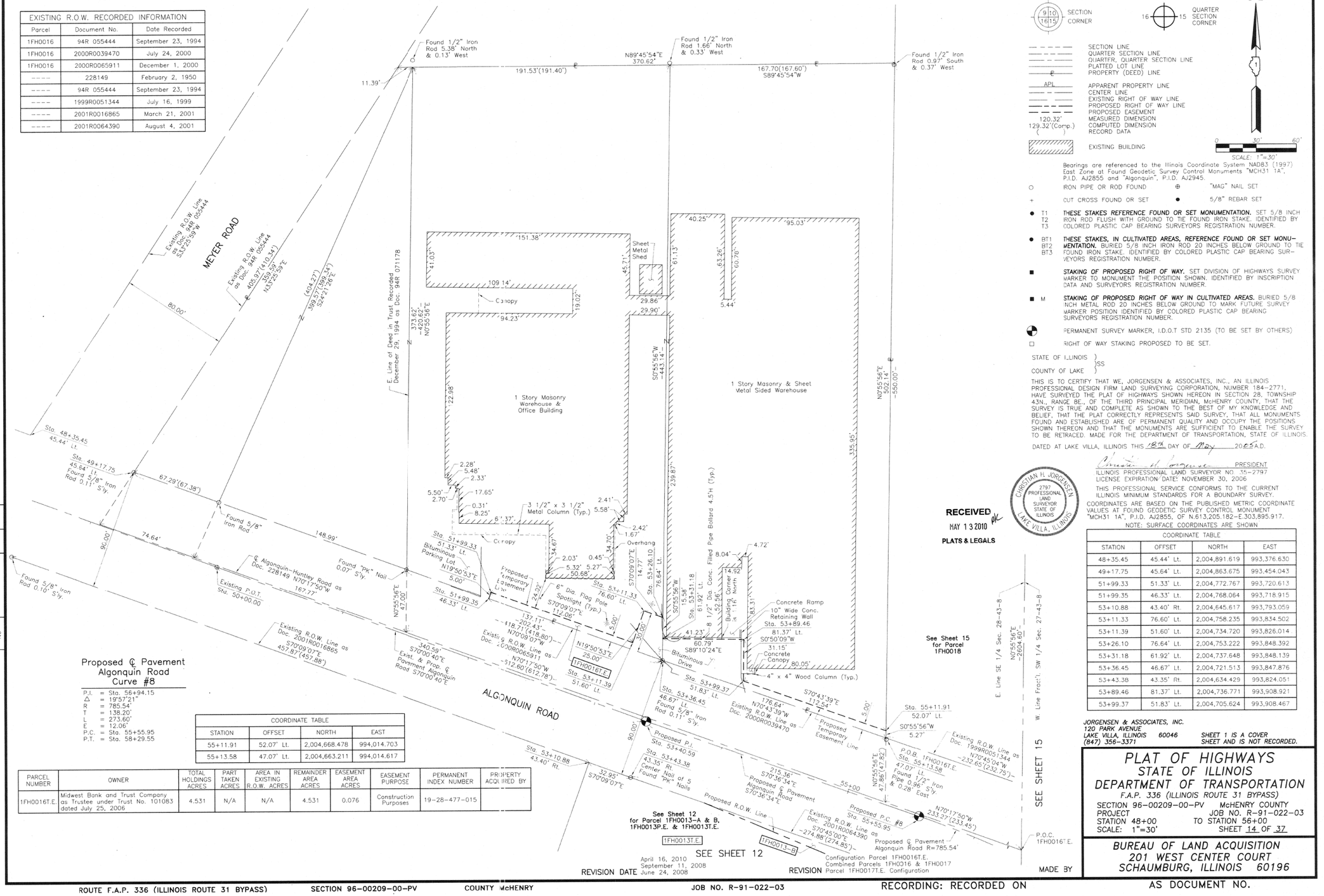
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) — SECTION 96–00209–00–PV — COUNTY McHENRY — JOB NO. R–91–022–03

RECORDING: RECORDED ON — AS DOCUMENT NO.

PART OF THE SE 1/4 OF SEC. 28, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0016	94R 055444	September 23, 1994
1FH0016	2000R0039470	July 24, 2000
1FH0016	2000R0065911	December 1, 2000
----	228149	February 2, 1950
----	94R 055444	September 23, 1994
----	1999R0051344	July 16, 1999
----	2001R0016865	March 21, 2001
----	2001R0064390	August 4, 2001



COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
55+11.91	52.07' Lt.	2,004,668.478	994,014.703
55+13.58	47.07' Lt.	2,004,663.211	994,014.617

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0016T.E.	Midwest Bank and Trust Company as Trustee under Trust No. 101083 dated July 25, 2006	4.531	N/A	N/A	4.531	0.076	Construction Purposes	19-28-477-015	

DATE	BY	MADE	CHECKED	INKED	ROW PLAT	NOTEBOOK NO.

LEGEND

SECTION CORNER (9 10 16 15) — QUARTER SECTION CORNER (16 — 15)

N

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APL — APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' — MEASURED DIMENSION
129.32'(Comp.) — COMPUTED DIMENSION
( ) — RECORD DATA
EXISTING BUILDING

0 30' 60'
SCALE: 1"=30'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

○ IRON PIPE OR ROD FOUND
⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET
● 5/8" REBAR SET

● T1 T2 T3 **THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● BT1 BT2 BT3 **THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

■ **STAKING OF PROPOSED RIGHT OF WAY.** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M **STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 28, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 18th DAY OF May 2010 A.D.

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
48+35.45	45.44' Lt.	2,004,891.619	993,376.630
49+17.75	45.64' Lt.	2,004,863.675	993,454.043
51+99.33	51.33' Lt.	2,004,772.767	993,720.613
51+99.35	46.33' Lt.	2,004,768.064	993,718.915
53+10.88	43.40' Rt.	2,004,645.617	993,793.059
53+11.33	76.60' Lt.	2,004,758.235	993,834.502
53+11.39	51.60' Lt.	2,004,734.720	993,826.014
53+26.10	76.64' Lt.	2,004,753.222	993,848.392
53+31.18	61.92' Lt.	2,004,737.648	993,848.139
53+36.45	46.67' Lt.	2,004,721.513	993,847.876
53+43.38	43.35' Rt.	2,004,634.429	993,824.051
53+89.46	81.37' Lt.	2,004,736.771	993,908.921
53+99.37	51.83' Lt.	2,004,705.624	993,908.467

RECEIVED MAY 13 2010 PLATS & LEGALS

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 48+00 TO STATION 56+00
SCALE: 1"=30' SHEET 14 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

April 16, 2010
September 11, 2008
REVISION DATE June 24, 2008
REVISION
MADE BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03 RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME = ...\D160F72-sht-PH-17.dgn	USER NAME = akw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

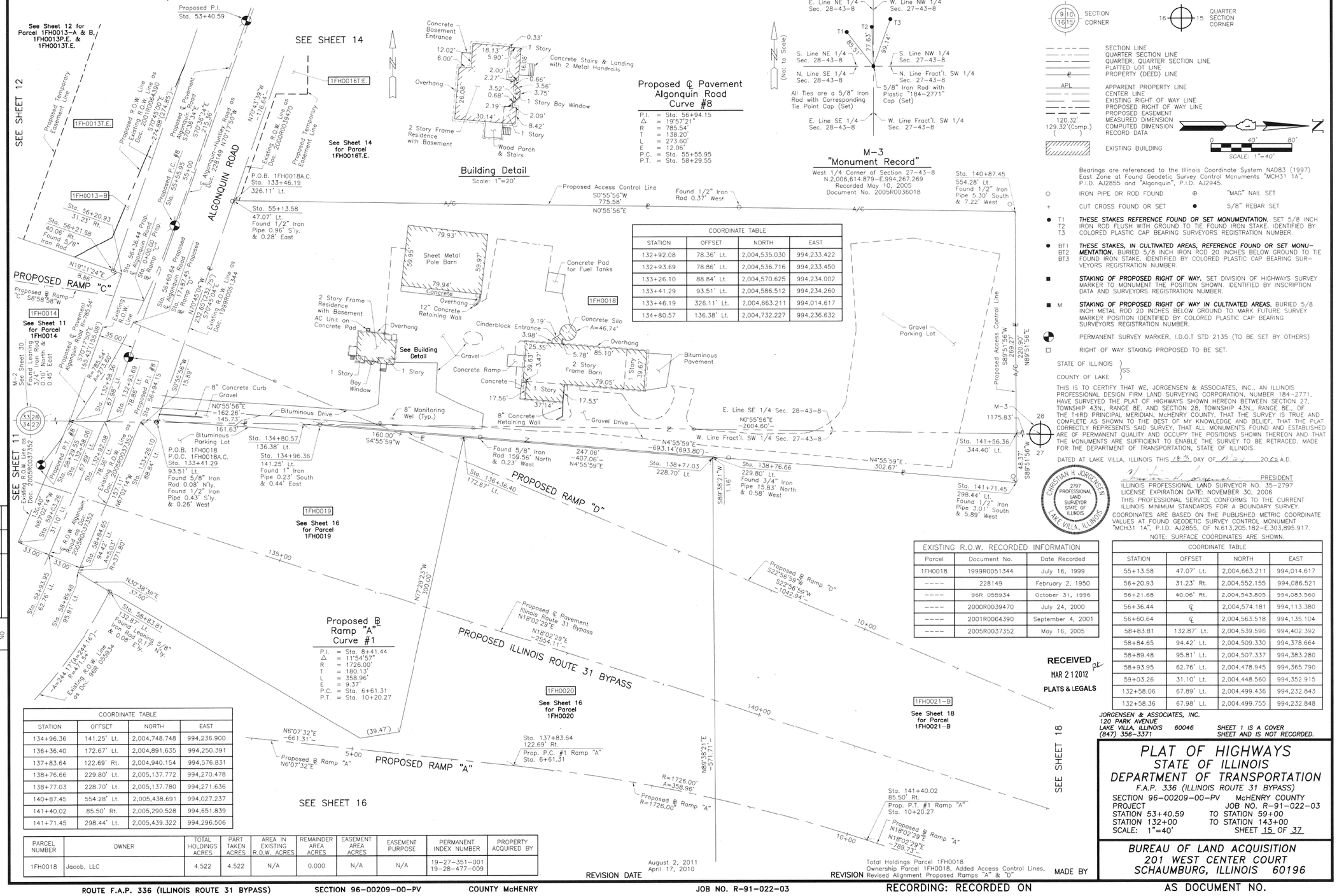
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 17 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	426
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE FRACTIONAL SW 1/4 OF SEC. 27 AND PART OF THE SE 1/4 OF SEC. 28, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



Proposed ℄ Pavement Algonquin Road Curve #8

P.I. = Sta. 56+94.15
Δ = 19°57'21"
R = 785.54'
T = 138.20'
L = 273.60'
E = 12.06'
P.C. = Sta. 55+55.95
P.T. = Sta. 58+29.55

M-3 "Monument Record"

West 1/4 Corner of Section 27-43-8
N.2,006,614.879-E.994,267.269
Recorded May 10, 2005
Document No. 2005R0036018

LEGEND

SECTION CORNER
QUARTER SECTION CORNER
SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APL APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING
0 40' 80'
SCALE: 1"=40'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

○ IRON PIPE OR ROD FOUND
⊕ "MAG" NAIL SET
\+ CUT CROSS FOUND OR SET
● 5/8" REBAR SET
● T1 T2 T3 ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● BT1 BT2 BT3 ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
◔ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS } SS
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 27, TOWNSHIP 43N., RANGE 8E. AND SECTION 28, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 16TH DAY OF May 20 12 A.D.

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.

NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
132+92.08	78.36' Lt.	2,004,535.030	994,233.422
132+93.69	78.86' Lt.	2,004,536.716	994,233.450
133+26.10	88.84' Lt.	2,004,570.625	994,234.002
133+41.29	93.51' Lt.	2,004,586.512	994,234.260
133+46.19	326.11' Lt.	2,004,663.211	994,014.617
134+80.57	136.38' Lt.	2,004,732.227	994,236.632

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0018	1999R0051344	July 16, 1999
----	228149	February 2, 1950
----	96R 055934	October 31, 1996
----	2000R0039470	July 24, 2000
----	2001R0064390	September 4, 2001
----	2005R0037352	May 16, 2005

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
55+13.58	47.07' Lt.	2,004,663.211	994,014.617
56+20.93	31.23' Rt.	2,004,552.155	994,086.521
56+21.68	40.06' Rt.	2,004,543.805	994,083.560
56+36.44	℄	2,004,574.181	994,113.380
56+60.64	℄	2,004,563.518	994,135.104
58+83.81	132.87' Lt.	2,004,539.596	994,402.392
58+84.65	94.42' Lt.	2,004,509.330	994,378.664
58+89.48	95.81' Lt.	2,004,507.337	994,383.280
58+93.95	62.76' Lt.	2,004,478.945	994,365.790
59+03.26	31.10' Lt.	2,004,448.560	994,352.915
132+58.06	67.89' Lt.	2,004,499.436	994,232.843
132+58.36	67.98' Lt.	2,004,499.755	994,232.848

RECEIVED
MAR 21 2012
PLATS & LEGALS

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
134+96.36	141.25' Lt.	2,004,748.748	994,236.900
136+36.40	172.67' Lt.	2,004,891.635	994,250.391
137+83.64	122.69' Rt.	2,004,940.154	994,576.831
138+76.66	229.80' Lt.	2,005,137.772	994,270.478
138+77.03	228.70' Lt.	2,005,137.780	994,271.636
140+87.45	554.28' Lt.	2,005,438.691	994,027.237
141+40.02	85.50' Rt.	2,005,290.528	994,651.839
141+71.45	298.44' Lt.	2,005,439.322	994,296.506

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0018	Jacob, LLC	4.522	4.522	N/A	0.000	N/A	N/A	19-27-351-001 19-28-477-009	

Total Holdings Parcel 1FH0018
Ownership Parcel 1FH0018, Added Access Control Lines, Revised Alignment Proposed Ramps "A" & "D"

REVISION DATE: August 2, 2011; April 17, 2010
REVISION
MADE BY

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 53+40.59 TO STATION 59+00
STATION 132+00 TO STATION 143+00
SCALE: 1"=40' SHEET 15 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

DATE | BY | MADE | CHECKED | TRACED | ROW PLAT | NOTEBOOK NO

FILE NAME = ...\D160F72-sht-PH-18.dgn	USER NAME = akw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

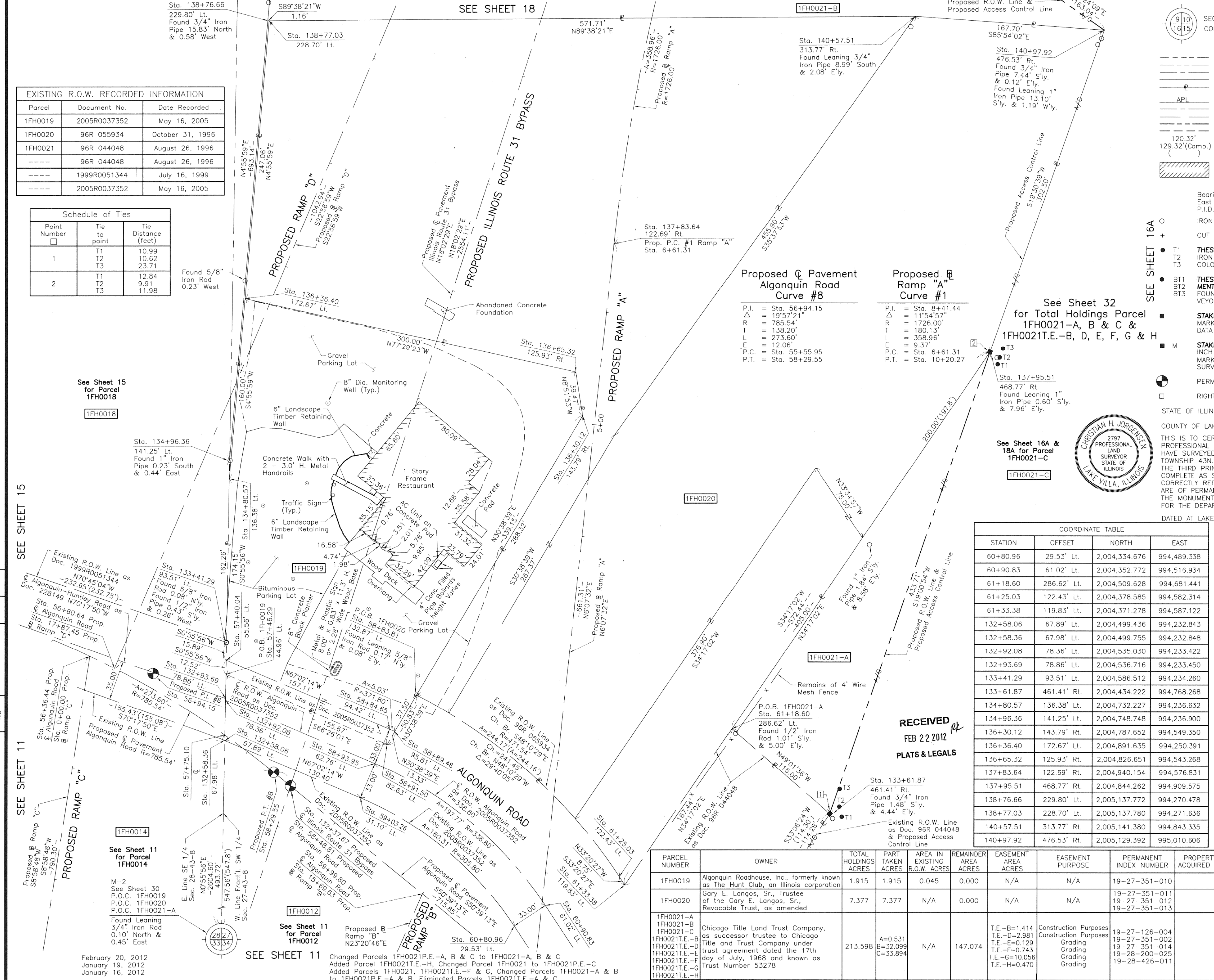
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 18 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	427
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE FRACTIONAL SW 1/4 OF SEC. 27 AND PART OF THE SE 1/4 OF SEC. 28, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0019	2005R0037352	May 16, 2005
1FH0020	96R 055934	October 31, 1996
1FH0021	96R 044048	August 26, 1996
----	96R 044048	August 26, 1996
----	1999R0051344	July 16, 1999
----	2005R0037352	May 16, 2005

Schedule of Ties		
Point Number □	Tie to point	Tie Distance (feet)
1	T1 T2 T3	10.99 10.62 23.71
2	T1 T2 T3	12.84 9.91 11.98

Proposed ℄ Pavement Algonquin Road Curve #8

P.I. = Sta. 56+94.15
Δ = 19°57'21"
R = 785.54'
T = 138.20'
L = 273.60'
E = 12.06'
P.C. = Sta. 55+55.95
P.T. = Sta. 58+29.55

Proposed ℄ Ramp "A" Curve #1

P.I. = Sta. 8+41.44
Δ = 11°54'57"
R = 1726.00'
T = 180.13'
L = 358.96'
E = 9.37'
P.C. = Sta. 6+61.31
P.T. = Sta. 10+20.27

LEGEND

SECTION CORNER
QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

SCALE: 1"=40'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET

● T1 T2 T3 **THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● BT1 BT2 BT3 **THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

■ **STAKING OF PROPOSED RIGHT OF WAY.** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M **STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 27, TOWNSHIP 43N., RANGE 8E. AND SECTION 28, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

DATED AT LAKE VILLA, ILLINOIS THIS ______ DAY OF ____________ 20___ A.D.

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.

NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
60+80.96	29.53' Lt.	2,004,334.676	994,489.338
60+90.83	61.02' Lt.	2,004,352.772	994,516.934
61+18.60	286.62' Lt.	2,004,509.628	994,681.441
61+25.03	122.43' Lt.	2,004,378.585	994,582.314
61+33.38	119.83' Lt.	2,004,371.278	994,587.122
132+58.06	67.89' Lt.	2,004,499.436	994,232.843
132+58.36	67.98' Lt.	2,004,499.755	994,232.848
132+92.08	78.36' Lt.	2,004,535.030	994,233.422
132+93.69	78.86' Lt.	2,004,536.716	994,233.450
133+41.29	93.51' Lt.	2,004,586.512	994,234.260
133+61.87	461.41' Rt.	2,004,434.222	994,768.268
134+80.57	136.38' Lt.	2,004,732.227	994,236.632
134+96.36	141.25' Lt.	2,004,748.748	994,236.900
136+30.12	143.79' Rt.	2,004,787.652	994,549.350
136+36.40	172.67' Lt.	2,004,891.635	994,250.391
136+65.32	125.93' Rt.	2,004,826.651	994,543.268
137+83.64	122.69' Rt.	2,004,940.154	994,576.831
137+95.51	468.77' Rt.	2,004,844.262	994,909.575
138+76.66	229.80' Lt.	2,005,137.772	994,270.478
138+77.03	228.70' Lt.	2,005,137.780	994,271.636
140+57.51	313.77' Rt.	2,005,141.380	994,843.335
140+97.92	476.53' Rt.	2,005,129.392	995,010.606

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
56+36.44	℄	2,004,574.181	994,113.380
56+60.64	℄	2,004,563.518	994,135.104
57+40.04	55.56' Lt.	2,004,570.625	994,234.002
57+46.29	44.96' Lt.	2,004,558.103	994,233.798
57+75.10	℄	2,004,504.275	994,232.922
58+83.81	132.87' Lt.	2,004,539.596	994,402.392
58+84.65	94.42' Lt.	2,004,509.330	994,378.664
58+89.48	95.81' Lt.	2,004,507.337	994,383.280
58+91.50	82.63' Lt.	2,004,495.865	994,376.484
58+93.95	62.76' Lt.	2,004,478.945	994,365.790
59+03.26	31.10' Lt.	2,004,448.560	994,352.915
59+99.80	℄	2,004,363.302	994,407.849

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0019	Algonquin Roadhouse, Inc., formerly known as The Hunt Club, an Illinois corporation	1.915	1.915	0.045	0.000	N/A	N/A	19-27-351-010	
1FH0020	Gary E. Langos, Sr., Trustee of the Gary E. Langos, Sr., Revocable Trust, as amended	7.377	7.377	N/A	0.000	N/A	N/A	19-27-351-011 19-27-351-012 19-27-351-013	
1FH0021-A 1FH0021-B 1FH0021-C 1FH0021T.E.-B 1FH0021T.E.-D 1FH0021T.E.-E 1FH0021T.E.-F 1FH0021T.E.-G 1FH0021T.E.-H	Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278	213.598	A=0.531 B=32.099 C=33.894	N/A	147.074	T.E.-B=1.414 T.E.-D=2.981 T.E.-E=0.129 T.E.-F=0.743 T.E.-G=10.056 T.E.-H=0.470	Construction Purposes Construction Purposes Grading Grading Grading Grading	19-27-126-004 19-27-351-002 19-27-351-014 19-28-200-025 19-28-426-011	

REVISION DATE June 11, 2010 REVISION Changed Parcels 1FH0021P.E.-A, B & C to 1FH0021-A, B & C Added Parcel 1FH0021T.E.-H, Changed Parcel 1FH0021 to 1FH0021P.E.-C Added Parcels 1FH0021, 1FH0021T.E.-F & G, Changed Parcels 1FH0021-A & B to 1FH0021P.E.-A & B, Eliminated Parcels 1FH0021T.E.-A & C Owner Parcel 1FH0019, Total Holdings Parcel 1FH0021

REVISION DATE February 23, 2010 REVISION Configuration Parcel 1FH0021 MADE BY

RECEIVED FEB 22 2012 PLATS & LEGALS

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

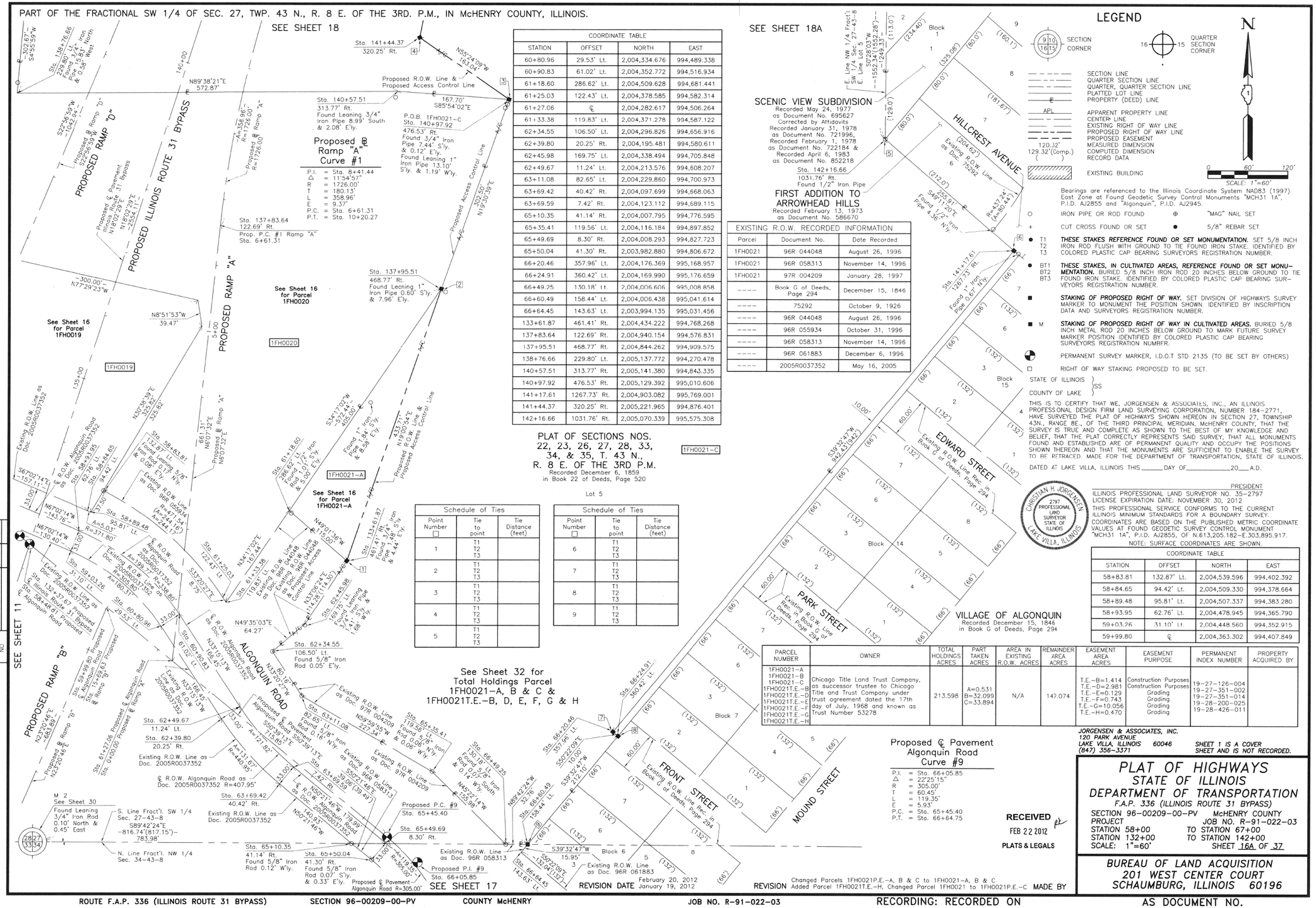
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 56+00 TO STATION 61+00
STATION 132+00 TO STATION 140+00
SCALE: 1"=40' SHEET 16 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03 RECORDING: RECORDED ON AS DOCUMENT NO.

ROW PLAT	NOTEBOOK NO	MADE	CHECKED	INKED	BY	DATE

PART OF THE FRACTIONAL SW 1/4 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



PLAT OF SECTIONS NOS. 22, 23, 26, 27, 28, 33, 34, & 35, T. 43 N., R. 8 E. OF THE 3RD P.M.
Recorded December 6, 1859
in Book 22 of Deeds, Page 520
Lot 5

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
60+80.96	29.53' Lt.	2,004,334.676	994,489.338
60+90.83	61.02' Lt.	2,004,352.772	994,516.934
61+18.60	286.62' Lt.	2,004,509.628	994,681.441
61+25.03	122.43' Lt.	2,004,378.585	994,582.314
61+27.06	℄	2,004,282.617	994,506.264
61+33.38	119.83' Lt.	2,004,371.278	994,587.122
62+34.55	106.50' Lt.	2,004,296.826	994,656.916
62+39.80	20.25' Rt.	2,004,195.481	994,580.611
62+45.98	169.75' Lt.	2,004,338.494	994,705.848
62+49.67	11.24' Lt.	2,004,213.576	994,608.207
63+11.08	82.65' Lt.	2,004,229.860	994,700.973
63+69.42	40.42' Rt.	2,004,097.699	994,668.063
63+69.59	7.42' Rt.	2,004,123.112	994,689.115
65+10.35	41.14' Rt.	2,004,007.795	994,776.595
65+35.41	119.56' Lt.	2,004,116.184	994,897.852
65+49.69	8.30' Rt.	2,004,008.293	994,827.723
65+50.04	41.30' Rt.	2,003,982.880	994,806.672
66+20.46	357.96' Lt.	2,004,176.369	995,168.957
66+24.91	360.42' Lt.	2,004,169.990	995,176.659
66+49.25	130.18' Lt.	2,004,006.606	995,008.858
66+60.49	158.44' Lt.	2,004,006.438	995,041.614
66+64.45	143.63' Lt.	2,003,994.135	995,031.456
133+61.87	461.41' Rt.	2,004,434.222	994,768.268
137+83.64	122.69' Rt.	2,004,940.154	994,576.831
137+95.51	468.77' Rt.	2,004,844.262	994,909.575
138+76.66	229.80' Lt.	2,005,137.772	994,270.478
140+57.51	313.77' Rt.	2,005,141.380	994,843.335
140+97.92	476.53' Rt.	2,005,129.392	995,010.606
141+17.61	1267.73' Rt.	2,004,903.082	995,769.001
141+44.37	320.25' Rt.	2,005,221.965	994,876.401
142+16.66	1031.76' Rt.	2,005,070.339	995,575.308

Schedule of Ties		
Point Number ☐	Tie to point	Tie Distance (feet)
1	T1 T2 T3	
2	T1 T2 T3	
3	T1 T2 T3	
4	T1 T2 T3	
5	T1 T2 T3	

Schedule of Ties		
Point Number ☐	Tie to point	Tie Distance (feet)
6	T1 T2 T3	
7	T1 T2 T3	
8	T1 T2 T3	
9	T1 T2 T3	

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0021	96R 044048	August 26, 1996
1FH0021	96R 058313	November 14, 1996
1FH0021	97R 004209	January 28, 1997
----	Book G of Deeds, Page 294	December 15, 1846
----	75292	October 9, 1926
----	96R 044048	August 26, 1996
----	96R 055934	October 31, 1996
----	96R 058313	November 14, 1996
----	96R 061883	December 6, 1996
----	2005R0037352	May 16, 2005

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0021-A 1FH0021-B 1FH0021-C 1FH0021T.E.-B 1FH0021T.E.-D 1FH0021T.E.-E 1FH0021T.E.-F 1FH0021T.E.-G 1FH0021T.E.-H	Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278	213.598	A=0.531 B=32.099 C=33.894	N/A	147.074	T.E.-B=1.414 T.E.-D=2.981 T.E.-E=0.129 T.E.-F=0.743 T.E.-G=10.056 T.E.-H=0.470	Construction Purposes Construction Purposes Grading Grading Grading Grading	19-27-126-004 19-27-351-002 19-27-351-014 19-28-200-025 19-28-426-011	

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20___ A.D.

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2012
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
58+83.81	132.87' Lt.	2,004,539.596	994,402.392
58+84.65	94.42' Lt.	2,004,509.330	994,378.664
58+89.48	95.81' Lt.	2,004,507.337	994,383.280
58+93.95	62.76' Lt.	2,004,478.945	994,365.790
59+03.26	31.10' Lt.	2,004,448.560	994,352.915
59+99.80	℄	2,004,363.302	994,407.849

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

RECEIVED
FEB 22 2012
PLATS & LEGALS

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)

SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 58+00 TO STATION 67+00
STATION 132+00 TO STATION 142+00
SCALE: 1"=60' SHEET 16A OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE January 19, 2012 — Changed Parcels 1FH0021P.E.-A, B & C to 1FH0021-A, B & C. Added Parcel 1FH0021T.E.-H, Changed Parcel 1FH0021 to 1FH0021P.E.-C MADE BY
February 20, 2012

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

ROW PLAT	DATE	BY
MADE		
CHECKED		
INKED		
NOTEBOOK NO.		

FILE NAME = ...\D160F72-sht-PH-20.dgn	USER NAME = ekw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

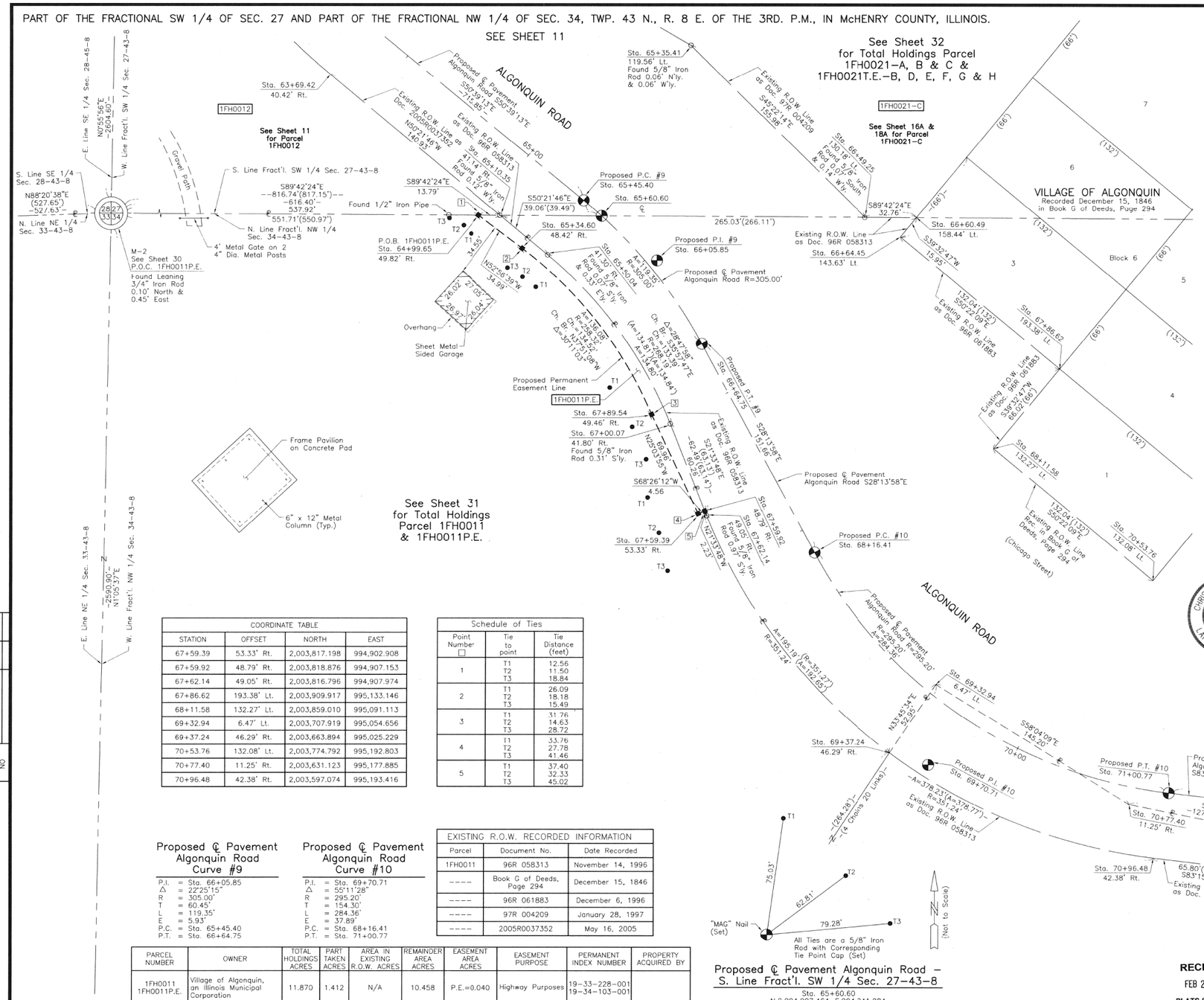
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 20 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	429
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE FRACTIONAL SW 1/4 OF SEC. 27 AND PART OF THE FRACTIONAL NW 1/4 OF SEC. 34, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 120.32' — MEASURED DIMENSION
- 129.32'(Comp.) — COMPUTED DIMENSION
- ( ) — RECORD DATA
- EXISTING BUILDING

N

SCALE: 1"=30'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- O IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1, T2, T3 — ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1, BT2, BT3 — ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ — ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M — ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
) SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184–2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 27, TOWNSHIP 43N., RANGE 8E. AND SECTION 34, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20___ A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

_____ PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35–2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182–E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
63+69.42	40.42' Rt.	2,004,097.699	994,668.063
64+99.65	49.82' Rt.	2,004,007.866	994,762.807
65+10.35	41.14' Rt.	2,004,007.795	994,776.595
65+34.60	48.42' Rt.	2,003,986.783	994,790.728
65+35.41	119.56' Lt.	2,004,116.184	994,897.852
65+50.04	41.30' Rt.	2,003,982.880	994,806.672
65+60.60	℄	2,004,007.464	994,841.284
66+49.25	130.18' Lt.	2,004,006.606	995,008.858
66+60.49	158.44' Lt.	2,004,006.438	995,041.614
66+64.45	143.63' Lt.	2,003,994.135	995,031.456
66+89.54	49.46' Rt.	2,003,880.569	994,873.270
67+00.07	41.80' Rt.	2,003,874.915	994,885.007

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356–3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
67+59.39	53.33' Rt.	2,003,817.198	994,902.908
67+59.92	48.79' Rt.	2,003,818.876	994,907.153
67+62.14	49.05' Rt.	2,003,816.796	994,907.974
67+86.62	193.38' Lt.	2,003,909.917	995,133.146
68+11.58	132.27' Lt.	2,003,859.010	995,091.113
69+32.94	6.47' Lt.	2,003,707.919	995,054.656
69+37.24	46.29' Rt.	2,003,663.894	995,025.229
70+53.76	132.08' Lt.	2,003,774.792	995,192.803
70+77.40	11.25' Rt.	2,003,631.123	995,177.885
70+96.48	42.38' Rt.	2,003,597.074	995,193.416

Schedule of Ties		
Point Number ☐	Tie to point	Tie Distance (feet)
1	T1	12.56
	T2	11.50
	T3	18.84
2	T1	26.09
	T2	18.18
	T3	15.49
3	T1	31.76
	T2	14.63
	T3	28.72
4	T1	33.76
	T2	27.78
	T3	41.46
5	T1	37.40
	T2	32.33
	T3	45.02

Proposed ℄ Pavement Algonquin Road Curve #9

P.I. = Sta. 66+05.85
Δ = 22°25'15"
R = 305.00'
T = 60.45'
L = 119.35'
E = 5.93'
P.C. = Sta. 65+45.40
P.T. = Sta. 66+64.75

Proposed ℄ Pavement Algonquin Road Curve #10

P.I. = Sta. 69+70.71
Δ = 55°11'28"
R = 295.20'
T = 154.30'
L = 284.36'
E = 37.89'
P.C. = Sta. 68+16.41
P.T. = Sta. 71+00.77

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0011	96R 058313	November 14, 1996
----	Book G of Deeds, Page 294	December 15, 1846
----	96R 061883	December 6, 1996
----	97R 004209	January 28, 1997
----	2005R0037352	May 16, 2005

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0011 1FH0011P.E.	Village of Algonquin, an Illinois Municipal Corporation	11.870	1.412	N/A	10.458	P.E.=0.040	Highway Purposes	19–33–228–001 19–34–103–001	

REVISION DATE	REVISION	MADE BY
June 11, 2011	Configuration Parcel 1FH0011P.E. Total Holdings Parcel 1FH0011 Configuration Parcel 1FH0011P.E., Eliminated Parcels 1FH0011T.E.–A & B	
October 23, 2010		
May 12, 2010		

RECEIVED
FEB 22 2012
PLATS & LEGALS

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)

SECTION 96–00209–00–PV McHENRY COUNTY
PROJECT JOB NO. R–91–022–03
STATION 64+00 TO STATION 72+00
SCALE: 1"=30' SHEET 17 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) | SECTION 96–00–209–00–PV | COUNTY McHENRY | JOB NO. R–91–022–03 | RECORDING: RECORDED ON | AS DOCUMENT NO.

DATE	BY	ROW PLAT	MADE	CHECKED	INKED	NOTEBOOK NO

FILE NAME = ...\D160F72-sht-PH-21.dgn	USER NAME = akw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

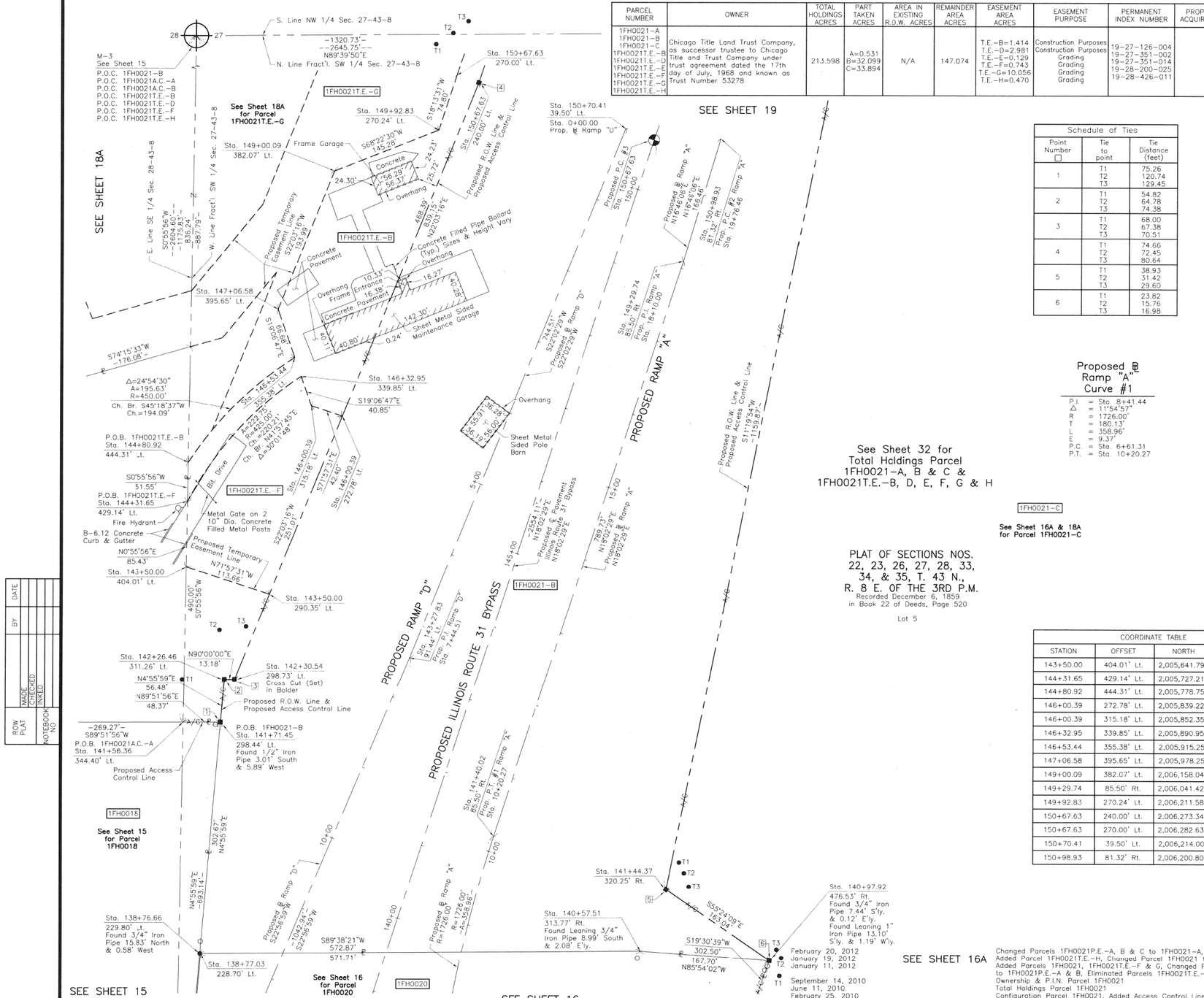
PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 21 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	430
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE FRACTIONAL SW 1/4 OF SEC. 27 AND PART OF THE SE 1/4 OF SEC. 28, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0021-A 1FH0021-B 1FH0021-C 1FH0021T.E.-B 1FH0021T.E.-U 1FH0021T.E.-E 1FH0021T.E.-F 1FH0021T.E.-G 1FH0021T.E.-H	Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278	213.598	A=0.531 B=32.099 C=33.894	N/A	147.074	T.E.-B=1.414 T.E.-D=2.981 T.E.-E=0.129 T.E.-F=0.743 T.E.-G=10.056 T.E.-H=0.470	Construction Purposes Construction Purposes Grading Grading Grading Grading Grading	19-27-126-004 19-27-351-002 19-27-351-014 19-28-200-025 19-28-426-011	



Schedule of Ties		
Point Number ☐	Tie to point	Tie Distance (feet)
1	T1	75.26
	T2	120.74
	T3	129.45
2	T1	54.82
	T2	64.78
	T3	74.38
3	T1	68.00
	T2	67.38
	T3	70.51
4	T1	74.66
	T2	72.45
	T3	80.64
5	T1	38.93
	T2	31.42
	T3	29.60
6	T1	23.82
	T2	15.76
	T3	16.98

Proposed ℄ Ramp "A" Curve #1

P.I. = Sta. 8+41.44
Δ = 11°54'57"
R = 1726.00'
T = 180.13'
L = 358.96'
E = 9.37'
P.C. = Sta. 6+61.31
P.T. = Sta. 10+20.27

See Sheet 32 for Total Holdings Parcel 1FH0021-A, B & C & 1FH0021T.E.-B, D, E, F, G & H

1FH0021-C

See Sheet 16A & 18A for Parcel 1FH0021-C

PLAT OF SECTIONS NOS. 22, 23, 26, 27, 28, 33, 34, & 35, T. 43 N., R. 8 E. OF THE 3RD P.M.
Recorded December 6, 1859 in Book 22 of Deeds, Page 520
Lot 5

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
143+50.00	404.01' Lt.	2,005,641.790	994,251.433
144+31.65	429.14' Lt.	2,005,727.212	994,252.824
144+80.92	444.31' Lt.	2,005,778.752	994,253.662
146+00.39	272.78' Lt.	2,005,839.228	994,453.756
146+00.39	315.18' Lt.	2,005,852.359	994,413.441
146+32.95	339.85' Lt.	2,005,890.957	994,400.066
146+53.44	355.38' Lt.	2,005,915.251	994,391.647
147+06.58	395.65' Lt.	2,005,978.251	994,369.816
149+00.09	382.07' Lt.	2,006,158.045	994,442.656
149+29.74	85.50' Rt.	2,006,041.427	994,896.422
149+92.83	270.24' Lt.	2,006,211.585	994,577.711
150+67.63	240.00' Lt.	2,006,273.345	994,629.631
150+67.63	270.00' Lt.	2,006,282.636	994,601.106
150+70.41	39.50' Lt.	2,006,214.001	994,821.169
150+98.93	81.32' Rt.	2,006,200.808	994,944.446

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
138+76.66	229.80' Lt.	2,005,137.772	994,270.478
138+77.03	228.70' Lt.	2,005,137.780	994,271.636
140+57.51	313.77' Rt.	2,005,141.380	994,843.335
140+97.92	476.53' Rt.	2,005,129.392	995,010.606
141+40.02	85.50' Rt.	2,005,290.528	994,651.839
141+44.37	320.25' Rt.	2,005,221.965	994,876.401
141+56.36	344.40' Lt.	2,005,439.209	994,248.137
141+71.45	298.44' Lt.	2,005,439.322	994,296.506
142+26.46	311.26' Lt.	2,005,495.598	994,301.363
142+30.54	298.73' Lt.	2,005,495.598	994,314.540
143+27.83	91.44' Lt.	2,005,523.901	994,541.770
143+50.00	290.35' Lt.	2,005,606.588	994,359.506

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 120.32' / 129.32'(Comp.) MEASURED DIMENSION / COMPUTED DIMENSION
- ( ) RECORD DATA
- EXISTING BUILDING

N

SCALE: 1"=60'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1 T2 T3 ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1 BT2 BT3 ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ◔ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- ☐ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 27, TOWNSHIP 43N., RANGE 8E. AND SECTION 28, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20___ A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.

NOTE: SURFACE COORDINATES ARE SHOWN.

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

RECEIVED
FEB 22 2012
PLATS & LEGALS

REVISION	REVISION DATE	MADE BY
Changed Parcels 1FH0021P.E.-A, B & C to 1FH0021-A, B & C Added Parcel 1FH0021T.E.-H, Changed Parcel 1FH0021 to 1FH0021P.E.-C Added Parcels 1FH0021, 1FH0021T.E.-F & G, Changed Parcels 1FH0021-A & B to 1FH0021P.E.-A & B, Eliminated Parcels 1FH0021T.E.-A & C Ownership & P.I.N. Parcel 1FH0021 Total Holdings Parcel 1FH0021 Configuration Parcel 1FH0021, Added Access Control Lines & Revised Ramp "A" & "D" Alignments	February 20, 2012 January 19, 2012 January 11, 2012 September 14, 2010 June 11, 2010 February 25, 2010	AC

SEE SHEET 16A

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 139+00 TO STATION 150+67.63
SCALE: 1"=60' SHEET 18 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

ROW	PLAT	NOTEBOOK NO.	MADE	CHECKED	INKED	BY	DATE

FILE NAME = ...\D160F72-sht-PH-22.dgn	USER NAME = akw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS
		DRAWN - JORGENSEN & ASSOC.	REVISED -		
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -		SCALE: GRAPHIC | SHEET NO. 22 OF 49 SHEETS | STA. | TO STA.
	PLOT DATE = 5/2/2012	DATE -	REVISED -		

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	431
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE FRACTIONAL SW 1/4 AND PART OF THE NW 1/4 OF SEC. 27 AND PART OF THE SE 1/4 OF SEC. 28, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0021-A 1FH0021-B 1FH0021-C 1FH0021T.E.-F 1FH0021T.E.-D 1FH0021T.E.-E 1FH0021T.E.-F 1FH0021T.E.-G 1FH0021T.E.-H	Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278	213.598	A=0.531 B=32.099 C=33.894	N/A	147.074	T.E.-B=1.414 T.E.-D=2.981 T.E.-E=0.129 T.E.-F=0.743 T.E.-G=10.056 T.E.-H=0.470	Construction Purposes Construction Purposes Grading Grading Grading Grading	19-27-126-004 19-27-351-002 19-27-351-014 19-28-200-025 19-28-426-011	

Schedule of Ties		
Point Number □	Tie to point	Tie Distance (feet)
1	T1 T2 T3	
2	T1 T2 T3	
3	T1 T2 T3	
4	T1 T2 T3	
5	T1 T2 T3	
6	T1 T2 T3	
7	T1 T2 T3	

Proposed ℄ Pavement Illinois Route 31 Bypass Curve #3

P.I. = Sta. 156+26.02
Δ = 62°30'28"
R = 920.05'
T = 558.39'
L = 1003.75'
E = 156.19'
P.C. = Sta. 150+67.63
P.T. = Sta. 160+71.38

Proposed ℄ Ramp "A" Curve #2

P.I. = Sta. 24+76.71
Δ = 62°38'06"
R = 822.20'
T = 500.25'
L = 898.82'
E = 140.22'
P.C. = Sta. 19+76.46
P.T. = Sta. 28+75.28

Proposed ℄ Pavement Illinois Route 31 Bypass Curve #4

P.I. = Sta. 174+59.45
Δ = 80°38'27"
R = 920.05'
T = 780.83'
L = 1294.93'
E = 286.67'
P.C. = Sta. 166+78.62
P.T. = Sta. 179+73.55

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 120.32' — MEASURED DIMENSION
- 129.32' (Comp.) — COMPUTED DIMENSION
- ( ) — RECORD DATA
- EXISTING BUILDING

SCALE: 1"=100'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1 T2 T3 ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1 BT2 BT3 ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 27, TOWNSHIP 43N., RANGE 8E. AND SECTION 28, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF_____, 20___ A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2012
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
141+40.02	85.50' Rt.	2,005,290.528	994,651.839
141+44.37	320.25' Rt.	2,005,221.965	994,876.401
143+27.83	91.44' Lt.	2,005,523.901	994,541.770
145+26.77	634.91' Lt.	2,005,881.376	994,086.633
145+30.54	428.05' Lt.	2,005,820.898	994,284.488
146+19.81	621.72' Lt.	2,005,965.758	994,127.982
146+48.54	452.89' Lt.	2,005,940.786	994,297.416
146+53.44	355.38' Lt.	2,005,915.251	994,391.647
146+94.51	510.05' Lt.	2,006,002.206	994,257.299
147+06.58	395.65' Lt.	2,005,978.251	994,369.816
147+51.49	412.55' Lt.	2,006,026.181	994,367.655
147+86.88	853.86' Lt.	2,006,196.514	993,959.007
148+20.11	790.33' Lt.	2,006,208.429	994,029.704

RECEIVED
FEB 22 2012
PLATS & LEGALS

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 141+00 TO STATION 169+00
SCALE: 1"=100' SHEET 18A OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
148+29.39	457.21' Lt.	2,006,114.084	994,349.320
148+33.88	763.99' Lt.	2,006,213.368	994,059.007
148+81.97	884.83' Lt.	2,006,296.514	993,959.007
149+00.09	382.07' Lt.	2,006,158.045	994,442.656
149+12.94	789.74' Lt.	2,006,296.514	994,059.007
149+29.74	85.50' Rt.	2,006,041.427	994,896.422
149+92.83	270.24' Lt.	2,006,211.585	994,577.711
150+67.63	270.00' Lt.	2,006,282.636	994,601.106
150+70.41	39.50' Lt.	2,006,214.001	994,821.169
150+77.10	439.58' Lt.	2,006,348.441	994,444.266
150+98.93	81.32' Rt.	2,006,200.808	994,944.446
153+45.02	150.00' Rt.	2,006,359.221	995,104.290
154+00.00	240.00' Lt.	2,006,640.009	994,827.807
154+00.00	270.00' Lt.	2,006,658.782	994,804.407
154+55.03	200.00' Lt.	2,006,665.949	994,902.468
154+55.03	240.00' Lt.	2,006,692.800	994,872.821
155+82.60	℄	2,006,620.011	995,142.610
157+70.46	460.39' Rt.	2,006,319.212	995,515.498
159+02.91	488.63' Rt.	2,006,319.622	995,585.504
159+43.59	201.89' Rt.	2,006,599.341	995,517.784
159+50.00	270.00' Lt.	2,007,052.065	995,384.519
159+50.00	439.58' Lt.	2,007,214.228	995,334.911
160+47.72	159.46' Rt.	2,006,660.878	995,588.511
160+50.07	150.00' Rt.	2,006,670.539	995,588.646
160+61.60	48.95' Rt.	2,006,771.778	995,580.489
160+71.38	200.00' Lt.	2,007,018.921	995,548.734
160+71.38	270.00' Lt.	2,007,087.970	995,537.240
160+97.88	94.97' Lt.	2,006,919.667	995,592.127
162+62.25	45.00' Rt.	2,006,808.588	995,777.246
163+65.80	270.00' Lt.	2,007,136.314	995,827.665
166+78.62	200.00' Lt.	2,007,118.629	996,147.731
166+78.62	220.00' Lt.	2,007,138.358	996,144.447
167+26.03	437.82' Lt.	2,007,357.934	996,133.077
168+47.73	220.00' Lt.	2,007,171.000	996,268.724

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0021	75292	October 9, 1926
----	75292	October 9, 1926
----	695627	May 24, 1977

REVISION DATE January 19, 2012 — February 20, 2012
REVISION Changed Parcels 1FH0021P.E.-A, B & C to 1FH0021-A, B & C. Added Parcel 1FH0021T.E.-H, Changed Parcel 1FH0021 to 1FH0021P.E.-C

MADE BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

ROW PLAT	BY	DATE
NOTEBOOK NO.	MADE	
	CHECKED	
	INKED	

FILE NAME = ...\D160F72-sht-PH-23.dgn	USER NAME = dkw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 23 OF 49 SHEETS | STA. | TO STA.

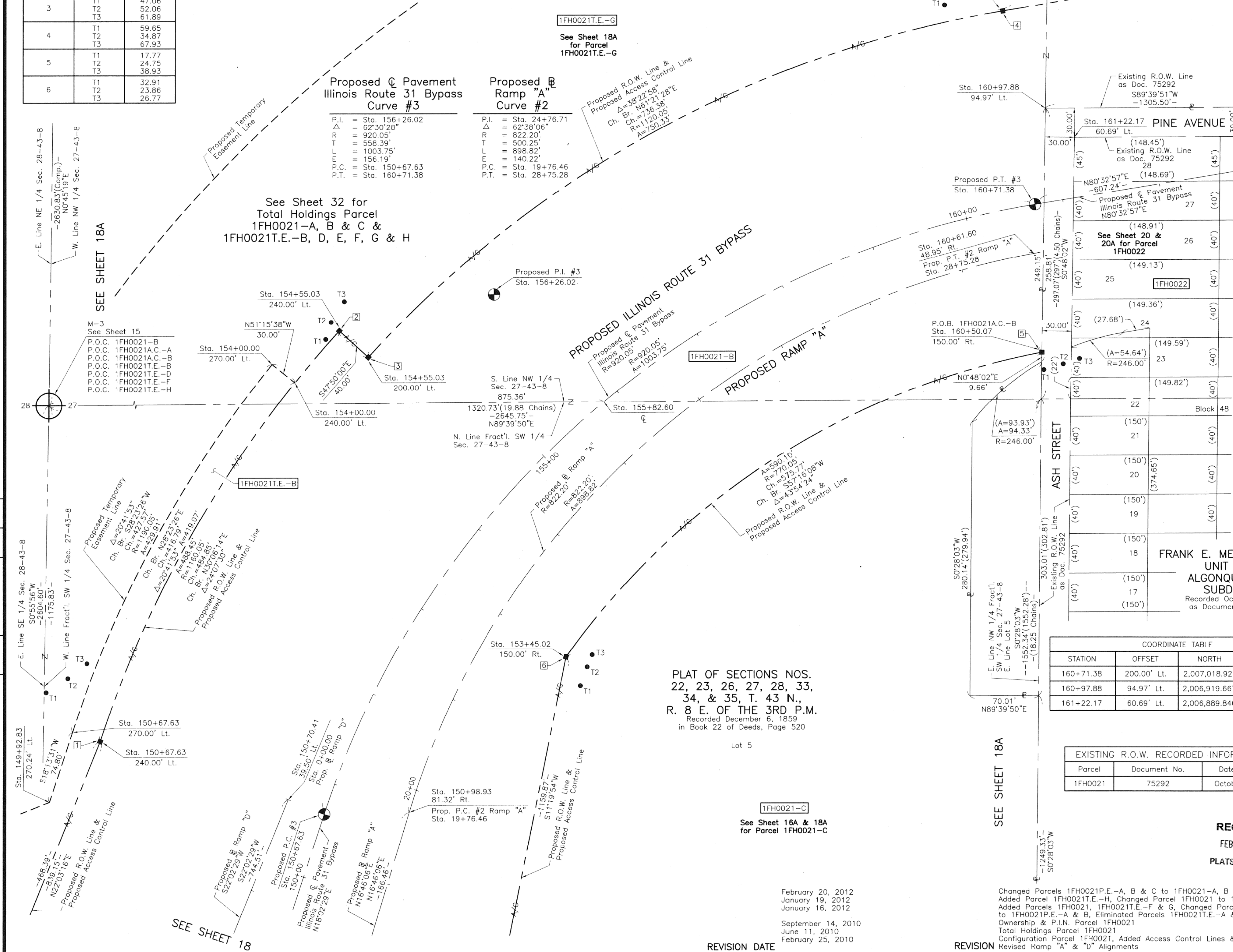
O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	432
			CONTRACT NO. 60F72	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE FRACTIONAL SW 1/4 AND PART OF THE NW 1/4 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

Schedule of Ties

Point Number ☐	Tie to point	Tie Distance (feet)
1	T1 T2 T3	74.66 72.45 80.64
2	T1 T2 T3	16.26 12.09 30.41
3	T1 T2 T3	47.06 52.06 61.89
4	T1 T2 T3	59.65 34.87 67.93
5	T1 T2 T3	17.77 24.75 38.93
6	T1 T2 T3	32.91 23.86 26.77

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0021-A 1FH0021-B 1FH0021-C 1FH0021T.E.-B 1FH0021T.E.-D 1FH0021T.E.-E 1FH0021T.E.-F 1FH0021T.E.-G 1FH0021T.E.-H	Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278	213.598	A=0.531 B=32.099 C=33.894	N/A	147.074	T.E.-B=1.414 T.E.-D=2.981 T.E.-E=0.129 T.E.-F=0.743 T.E.-G=10.056 T.E.-H=0.470	Construction Purposes Construction Purposes Grading Grading Grading Grading	19-27-126-004 19-27-351-002 19-27-351-014 19-28-200-025 19-28-426-011	



COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
160+71.38	200.00' Lt.	2,007,018.921	995,548.734
160+97.88	94.97' Lt.	2,006,919.667	995,592.127
161+22.17	60.69' Lt.	2,006,889.840	995,621.710

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0021	75292	October 9, 1926

LEGEND

SECTION CORNER — QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

0 50' 100'
SCALE: 1"=50'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

○ IRON PIPE OR ROD FOUND — ⊕ "MAG" NAIL SET

+ CUT CROSS FOUND OR SET — ● 5/8" REBAR SET

● T1 T2 T3 **THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● BT1 BT2 BT3 **THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

■ **STAKING OF PROPOSED RIGHT OF WAY.** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M **STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

☐ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS ______ DAY OF ____________ 20___ A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
149+92.83	270.24' Lt.	2,006,211.585	994,577.711
150+67.63	240.00' Lt.	2,006,273.345	994,629.631
150+67.63	270.00' Lt.	2,006,282.636	994,601.106
150+70.41	39.50' Lt.	2,006,214.001	994,821.169
150+98.93	81.32' Rt.	2,006,200.808	994,944.446
153+45.02	150.00' Rt.	2,006,359.221	995,104.298
154+00.00	240.00' Lt.	2,006,640.009	994,827.807
154+00.00	270.00' Lt.	2,006,658.782	994,804.407
154+55.03	200.00' Lt.	2,006,665.949	994,902.468
154+55.03	240.00' Lt.	2,006,692.800	994,872.821
155+82.60	℄	2,006,620.011	995,142.610
160+50.07	150.00' Rt.	2,006,670.539	995,588.646
160+61.60	48.95' Rt.	2,006,771.778	995,580.489

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

RECEIVED RK
FEB 22 2012
PLATS & LEGALS

REVISION DATE	REVISION	MADE BY
February 20, 2012	Changed Parcels 1FH0021P.E.-A, B & C to 1FH0021-A, B & C	
January 19, 2012	Added Parcel 1FH0021T.E.-H, Changed Parcel 1FH0021 to 1FH0021P.E.-C	
January 16, 2012	Added Parcels 1FH0021, 1FH0021T.E.-F & G, Changed Parcels 1FH0021-A & B to 1FH0021P.E.-A & B, Eliminated Parcels 1FH0021T.E.-A & C	
September 14, 2010	Ownership & P.I.N. Parcel 1FH0021	
June 11, 2010	Total Holdings Parcel 1FH0021	
February 25, 2010	Configuration Parcel 1FH0021, Added Access Control Lines & Revised Ramp "A" & "D" Alignments	

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV — McHENRY COUNTY
PROJECT — JOB NO. R-91-022-03
STATION 150+00 TO STATION 162+00
SCALE: 1"=50' — SHEET 19 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) — SECTION 96-00209-00-PV — COUNTY McHENRY — JOB NO. R-91-022-03 — RECORDING: RECORDED ON — AS DOCUMENT NO.

ROW PLAT	MADE	CHECKED	INKED	NOTEBOOK NO	BY	DATE

PART OF THE FRACTIONAL SW 1/4 AND PART OF THE NW 1/4 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

SEE SHEET 22

See Sheets 18, 19 & 22 for Parcel 1FH0021-B & 1FH0021T.E.-B, D, F & H

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0022	Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278	2.970	2.970	N/A	0.000	N/A	N/A	19-27-176-001 19-27-176-003 19-27-176-004 19-27-176-005 19-27-176-006 19-27-176-007(Pt.) 19-27-326-006 19-27-326-007 19-27-326-009 19-27-326-010 19-27-326-011 19-27-326-012 19-27-326-013	
1FH0023	Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278	2.262	2.262	N/A	0.000	N/A	N/A	19-27-177-001 19-27-177-003 19-27-327-006 19-27-327-007	

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0022	75292	October 9, 1926
1FH0023	75292	October 9, 1926
----	75292	October 9, 1926

Proposed ℄ Pavement
Illinois Route 31 Bypass
Curve #4

P.I. = Sta. 174+59.45
Δ = 80°38'27"
R = 920.05'
T = 780.83'
L = 1294.93'
E = 286.67'
P.C. = Sta. 165+78.62
P.T. = Sta. 179+73.55

Proposed R.O.W. Line & Proposed Access Control Line — A/C — 1FH0021-B

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
164+13.23	355.68' Rt.	2,006,526.920	995,977.188
164+16.86	13.41' Lt.	2,006,891.588	995,920.162
164+20.12	316.27' Rt.	2,006,566.922	995,977.514
164+40.79	198.05' Rt.	2,006,686.929	995,978.494
164+49.20	150.00' Rt.	2,006,735.709	995,978.892
164+76.11	3.90' Lt.	2,006,891.940	995,980.167
165+46.53	377.06' Rt.	2,006,527.712	996,112.191
165+53.42	337.66' Rt.	2,006,567.714	996,112.517
165+74.09	219.44' Rt.	2,006,687.721	996,113.496
166+78.62	150.00' Rt.	2,006,773.380	996,205.201
167+17.17	150.00' Rt.	2,006,781.666	996,249.259
167+40.02	41.01' Rt.	2,006,893.522	996,250.172
167+95.16	56.20' Rt.	2,006,893.874	996,310.177

Schedule of Ties		
Point Number ☐	Tie to point	Tie Distance (feet)
1	T1 T2 T3	36.05 18.77 14.14
2	T1 T2 T3	16.54 24.65 43.06
3	T1 T2 T3	35.12 22.02 23.51
4	T1 T2 T3	
5	T1 T2 T3	
6	T1 T2 T3	
7	T1 T2 T3	

Schedule of Ties		
Point Number ☐	Tie to point	Tie Distance (feet)
8	T1 T2 T3	
9	T1 T2 T3	
10	T1 T2 T3	
11	T1 T2 T3	
12	T1 T2 T3	
13	T1 T2 T3	

LEGEND

SECTION CORNER — QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

N

SCALE: 1"=30'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

○ IRON PIPE OR ROD FOUND — ⊕ "MAG" NAIL SET
\+ CUT CROSS FOUND OR SET — ● 5/8" REBAR SET
● T1 T2 T3 ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● BT1 BT2 BT3 ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
☐ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS } SS
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
160+61.60	48.95' Rt.	2,006,771.778	995,580.489
160+84.05	150.06' Rt.	2,006,675.689	995,618.718
160+97.88	94.97' Lt.	2,006,919.667	995,592.127
161+22.17	60.69' Lt.	2,006,889.840	995,621.710
161+38.34	144.00' Rt.	2,006,690.583	995,671.268
161+64.97	150.00' Rt.	2,006,689.038	995,698.522
161+66.02	144.00' Rt.	2,006,695.128	995,698.572
162+05.87	322.41' Rt.	2,006,525.689	995,767.181
162+12.76	283.00' Rt.	2,006,565.691	995,767.508
162+62.25	45.00' Rt.	2,006,808.588	995,777.246
163+53.98	346.17' Rt.	2,006,526.568	995,917.183
163+60.87	306.76' Rt.	2,006,566.570	995,917.510
163+88.28	150.00' Rt.	2,006,725.707	995,918.808

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

RECEIVED
FEB 22 2012
PLATS & LEGALS

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 160+71.38 TO STATION 168+00
SCALE: 1"=30' SHEET 20 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE	REVISION	MADE BY
January 19, 2012	Configuration Parcels 1FH0022 & 1FH0023, Eliminated Parcels 1FH0022T.E. & 1FH0023T.E.	
January 11, 2012	Added Parcels 1FH0022T.E. & 1FH0023T.E.	
September 15, 2010	Ownership Parcels 1FH0022 & 1FH0023	
June 10, 2010	Total Holdings & Configuration Parcel 1FH0022	
February 26, 2010	Configuration Parcels 1FH0022 & 1FH0023	

ROW PLAT | MADE | CHECKED | LINKED | NOTEBOOK NO. | DATE | BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME = ...\D160F72-sht-PH-25.dgn	USER NAME = dkw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 25 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	434
			CONTRACT NO. 60F72	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE FRACTIONAL SW 1/4 AND PART OF THE NW 1/4 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

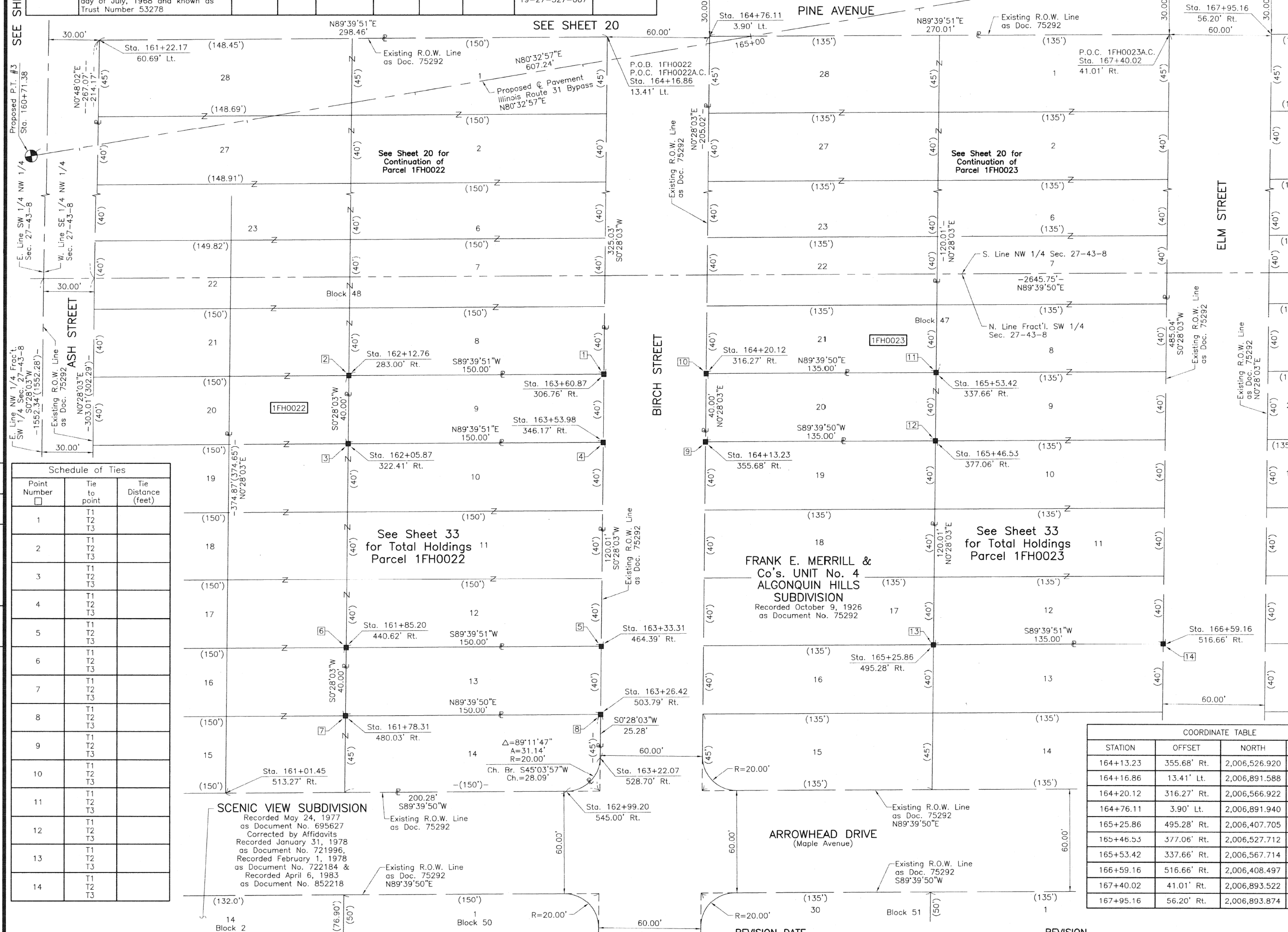
PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0022	Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278	2.970	2.970	N/A	0.000	N/A	N/A	19-27-176-001 19-27-176-003 19-27-176-004 19-27-176-005 19-27-176-006 19-27-176-007(Pt.) 19-27-326-006 19-27-326-007 19-27-326-009 19-27-326-010 19-27-326-011 19-27-326-012 19-27-326-013	
1FH0023	Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278	2.262	2.262	N/A	0.000	N/A	N/A	19-27-177-001 19-27-177-003 19-27-327-006 19-27-327-007	

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
1FH0022	75292	October 9, 1926
1FH0023	75292	October 9, 1926
----	75292	October 9, 1926

Proposed ℄ Pavement Illinois Route 31 Bypass Curve #4

P.I. = Sta. 174+59.45
Δ = 80°38'27"
R = 920.05'
T = 780.83'
L = 1294.93'
E = 286.67'
P.C. = Sta. 166+78.62
P.T. = Sta. 179+73.55



Schedule of Ties

Point Number ☐	Tie to point	Tie Distance (feet)
1	T1 T2 T3	
2	T1 T2 T3	
3	T1 T2 T3	
4	T1 T2 T3	
5	T1 T2 T3	
6	T1 T2 T3	
7	T1 T2 T3	
8	T1 T2 T3	
9	T1 T2 T3	
10	T1 T2 T3	
11	T1 T2 T3	
12	T1 T2 T3	
13	T1 T2 T3	
14	T1 T2 T3	

DATE	BY	MADE CHECKED INKED	ROW PLAT	NOTEBOOK NO

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
164+13.23	355.68' Rt.	2,006,526.920	995,977.188
164+16.86	13.41' Lt.	2,006,891.588	995,920.162
164+20.12	316.27' Rt.	2,006,566.922	995,977.514
164+76.11	3.90' Lt.	2,006,891.940	995,980.167
165+25.86	495.28' Rt.	2,006,407.705	996,111.211
165+46.53	377.06' Rt.	2,006,527.712	996,112.191
165+53.42	337.66' Rt.	2,006,567.714	996,112.517
166+59.16	516.66' Rt.	2,006,408.497	996,246.214
167+40.02	41.01' Rt.	2,006,893.522	996,250.172
167+95.16	56.20' Rt.	2,006,893.874	996,310.177

LEGEND

SECTION CORNER — QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APL — APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' — MEASURED DIMENSION
129.32'(Comp.) — COMPUTED DIMENSION
( ) — RECORD DATA
EXISTING BUILDING

N

SCALE: 1"=30' (0, 30', 60')

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

○ IRON PIPE OR ROD FOUND — ⊕ "MAG" NAIL SET

\+ CUT CROSS FOUND OR SET — ● 5/8" REBAR SET

● T1 T2 T3 — **THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● BT1 BT2 BT3 — **THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

■ — **STAKING OF PROPOSED RIGHT OF WAY.** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M — **STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

☐ RIGHT OF WAY STAKING PROPOSED TO BE SET.

RECEIVED rk
FEB 22 2012
PLATS & LEGALS

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS ______ DAY OF ____________ 20___ A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2012
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
161+01.45	513.27' Rt.	2,006,320.267	995,695.512
161+22.17	60.69' Lt.	2,006,889.840	995,621.710
161+78.31	480.03' Rt.	2,006,365.680	995,765.875
161+85.20	440.62' Rt.	2,006,405.682	995,766.202
162+05.87	322.41' Rt.	2,006,525.689	995,767.181
162+12.76	283.00' Rt.	2,006,565.691	995,767.508
162+99.20	545.00' Rt.	2,006,321.442	995,895.789
163+22.07	528.70' Rt.	2,006,341.278	995,915.671
163+26.42	503.79' Rt.	2,006,366.560	995,915.877
163+33.31	464.39' Rt.	2,006,406.562	995,916.204
163+53.98	346.17' Rt.	2,006,526.568	995,917.183
163+60.87	306.76' Rt.	2,006,566.570	995,917.510

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV — McHENRY COUNTY
PROJECT — JOB NO. R-91-022-03
STATION 160+71.38 TO STATION 168+00
SCALE: 1"=30' — SHEET 20A OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE — REVISION — MADE BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) — SECTION 96-00209-00-PV — COUNTY McHENRY — JOB NO. R-91-022-03 — RECORDING: RECORDED ON — AS DOCUMENT NO.

PART OF THE FRACTIONAL SW 1/4 AND PART OF THE NW 1/4 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

SEE SHEET 22

Proposed ℄ Pavement
Illinois Route 31 Bypass
Curve #4

P.I. = Sta. 174+59.45
Δ = 80°38'27"
R = 920.05'
T = 780.83'
L = 1294.93'
E = 286.67'
P.C. = Sta. 166+78.62
P.T. = Sta. 179+73.55

Proposed ℄ Pavement Illinois Route 31 Bypass R=920.05' A=1294.93'

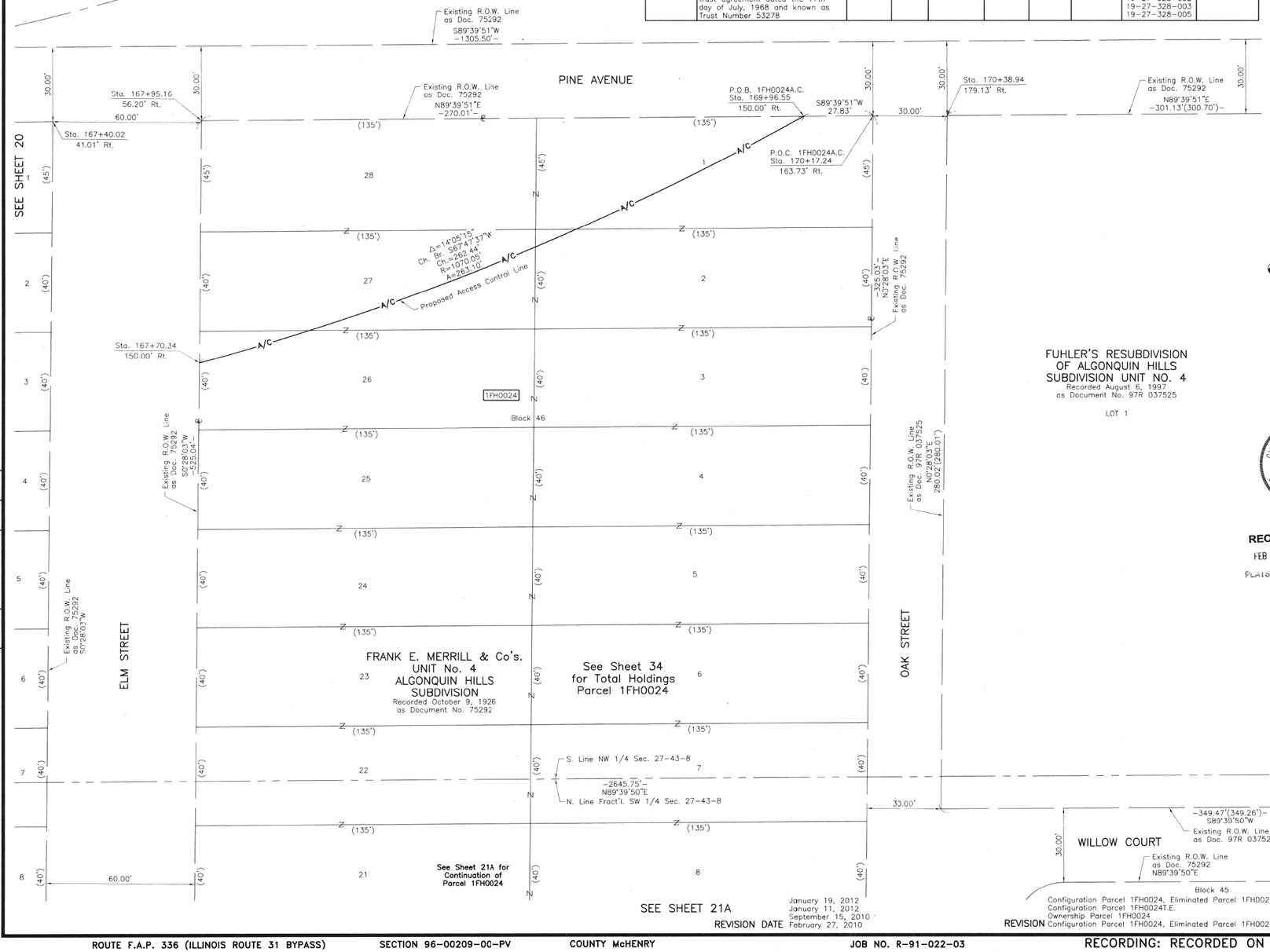
PROPOSED ILLINOIS ROUTE 31 BYPASS

1FH0021-B

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0024	75292	October 9, 1926
----	75292	October 9, 1926
----	97R 037525	August 6, 1997

See Sheet 22 for Parcel 1FH0021-B, 1FH0021T.E.-D & 1FH0021T.E.-H

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0024	Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278	2.634	2.634	N/A	0.000	N/A	N/A	19-27-178-001 19-27-178-002 19-27-328-001 19-27-328-002 19-27-328-003 19-27-328-005	



FUHLER'S RESUBDIVISION OF ALGONQUIN HILLS SUBDIVISION UNIT NO. 4
Recorded August 6, 1997
as Document No. 97R 037525

LOT 1

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- API APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 120.32' MEASURED DIMENSION
- 129.32'(Comp.) COMPUTED DIMENSION
- ( ) RECORD DATA
- EXISTING BUILDING

N

SCALE: 1"=20'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1, T2, T3 ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1, BT2, BT3 ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ◒ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF_____20___ A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.

NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
167+40.02	41.01' Rt.	2,006,893.522	996,250.172
167+70.34	150.00' Rt.	2,006,796.107	996,309.379
167+95.16	56.20' Rt.	2,006,893.874	996,310.177
169+96.55	150.00' Rt.	2,006,895.293	996,552.350
170+17.24	163.73' Rt.	2,006,895.456	996,580.182
170+38.94	179.13' Rt.	2,006,895.632	996,610.184

RECEIVED
FEB 22 2012
PLATS & LEGALS

ROW PLAT	MADE	DATE
	CHECKED	BY
NOTEBOOK NO.	INKED	

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)

SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 167+00 TO STATION 170+00
SCALE: 1"=20' SHEET 21 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03 RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME = ...\D160F72-sht-PH-27.dgn	USER NAME = akw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

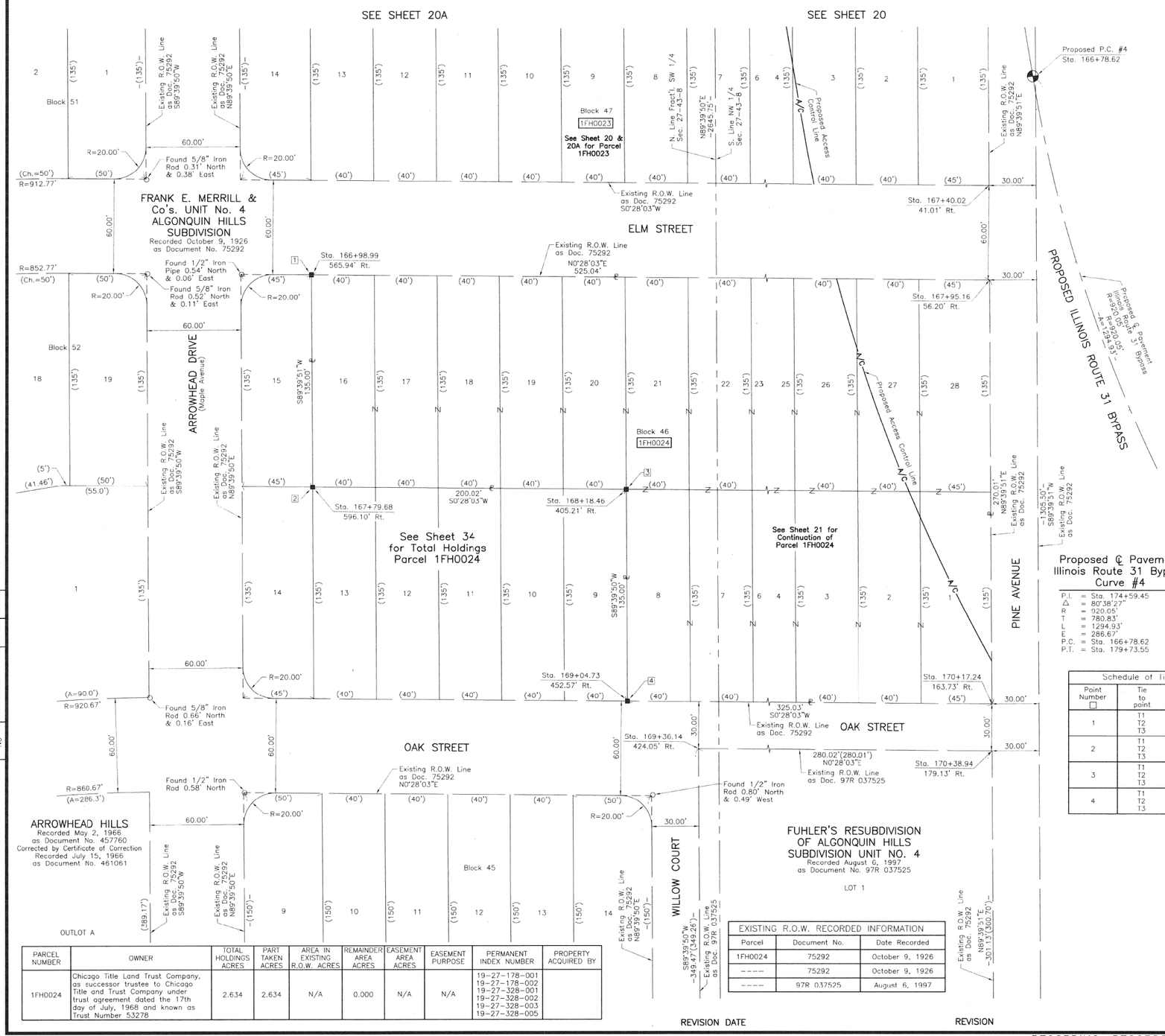
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 27 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	436
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE FRACTIONAL SW 1/4 AND PART OF THE NW 1/4 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0024	Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278	2.634	2.634	N/A	0.000	N/A	N/A	19-27-178-001 19-27-178-002 19-27-328-001 19-27-328-002 19-27-328-003 19-27-328-005	

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0024	75292	October 9, 1926
----	75292	October 9, 1926
----	97R 037525	August 6, 1997

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 120.32' MEASURED DIMENSION
- (129.32'(Comp.)) COMPUTED DIMENSION
- ( ) RECORD DATA
- EXISTING BUILDING

SCALE: 1"=30'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1, T2, T3 ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1, BT2, BT3 ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20___ A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2012

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.

NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
166+98.99	565.94' Rt.	2,006,368.847	996,305.892
167+40.02	41.01' Rt.	2,006,893.522	996,250.172
167+95.16	56.20' Rt.	2,006,893.874	996,310.177
167+79.68	596.10' Rt.	2,006,369.638	996,440.895
168+18.46	405.21' Rt.	2,006,569.648	996,442.527
169+04.73	452.57' Rt.	2,006,570.440	996,577.530
169+36.14	424.05' Rt.	2,006,615.619	996,607.899
170+17.24	163.73' Rt.	2,006,895.456	996,580.182
170+38.94	179.13' Rt.	2,006,895.632	996,610.184

Proposed ℄ Pavement Illinois Route 31 Bypass Curve #4

P.I. = Sta. 174+59.45
Δ = 80°38'27"
R = 920.05'
T = 780.83'
L = 1294.93'
E = 286.67'
P.C. = Sta. 166+78.62
P.T. = Sta. 179+73.55

Schedule of Ties		
Point Number □	Tie to point	Tie Distance (feet)
1	T1 T2 T3	
2	T1 T2 T3	
3	T1 T2 T3	
4	T1 T2 T3	

RECEIVED
FEB 22 2012
PLATS & LEGALS

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)

SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 166+00 TO STATION 171+00
SCALE: 1"=30' SHEET 21A OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROW PLAT	NOTEBOOK NO.	MADE	CHECKED	INKED	BY	DATE

REVISION DATE | REVISION | MADE BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) | SECTION 96-00209-00-PV | COUNTY McHENRY | JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME = ...\D160F72-sht-PH-28.dgn	USER NAME = akw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 28 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	437
		CONTRACT NO. 60F72		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

PART OF THE NORTH 1/2 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0021-A 1FH0021-B 1FH0021-C 1FH0021T.E.-B 1FH0021T.E.-D 1FH0021T.E.-E 1FH0021T.E.-F 1FH0021T.E.-G 1FH0021T.E.-H	Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278	213.598	A=0.531 B=32.099 C=33.894	N/A	147.074	T.E.-B=1.414 T.E.-D=2.981 T.E.-E=0.129 T.E.-F=0.743 T.E.-G=10.056 T.E.-H=0.470	Construction Purposes Construction Purposes Grading Grading Grading Grading	19-27-126-004 19-27-351-002 19-27-351-014 19-28-200-025 19-28-426-011	

Schedule of Ties		
Point Number □	Tie to point	Tie Distance (feet)
1	T1 T2 T3	60.18 28.28 50.96
2	T1 T2 T3	55.71 18.27 45.20
3	T1 T2 T3	287.48 250.20 216.29
4	T1 T2 T3	293.04 244.47 198.50
5	T1 T2 T3	128.15 11.25 127.43
6	T1 T2 T3	12.98 125.31 246.31
7	T1 T2 T3	16.35 136.60 256.85
8	T1 T2 T3	43.98 53.45 69.17
9	T1 T2 T3	16.79 38.25 59.31

T2 to Point Nos. 8 & 9 is a 5/8" Iron Rod with "TRAVERSE STATION" Cap (Set).

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
164+76.11	3.90' Lt.	2,006,891.940	995,980.167
166+78.62	200.00' Lt.	2,007,118.629	996,147.731
166+78.62	210.00' Lt.	2,007,128.494	996,146.089
166+78.62	220.00' Lt.	2,007,138.358	996,144.447
167+40.02	41.01' Rt.	2,006,893.522	996,250.172
167+95.16	56.20' Rt.	2,006,893.874	996,310.177
168+47.73	220.00' Lt.	2,007,171.000	996,268.724
170+17.24	163.73' Rt.	2,006,895.456	996,580.182
170+38.94	179.13' Rt.	2,006,895.632	996,610.184

Proposed ℄ Pavement Illinois Route 31 Bypass Curve #4

P.I. = Sta. 174+59.45
△ = 80°38'27"
R = 920.05'
T = 780.83'
L = 1294.93'
E = 286.67'
P.C. = Sta. 166+78.62
P.T. = Sta. 179+73.55

Proposed ℄ Pavement Quarry Access Curve #13

P.I. = Sta. 63+99.57
△ = 72°07'00"
R = 112.01'
T = 81.55'
L = 140.98'
E = 26.54'
P.C. = Sta. 63+18.02
P.T. = Sta. 64+59.00

Proposed ℄ Pavement Quarry Access Curve #12

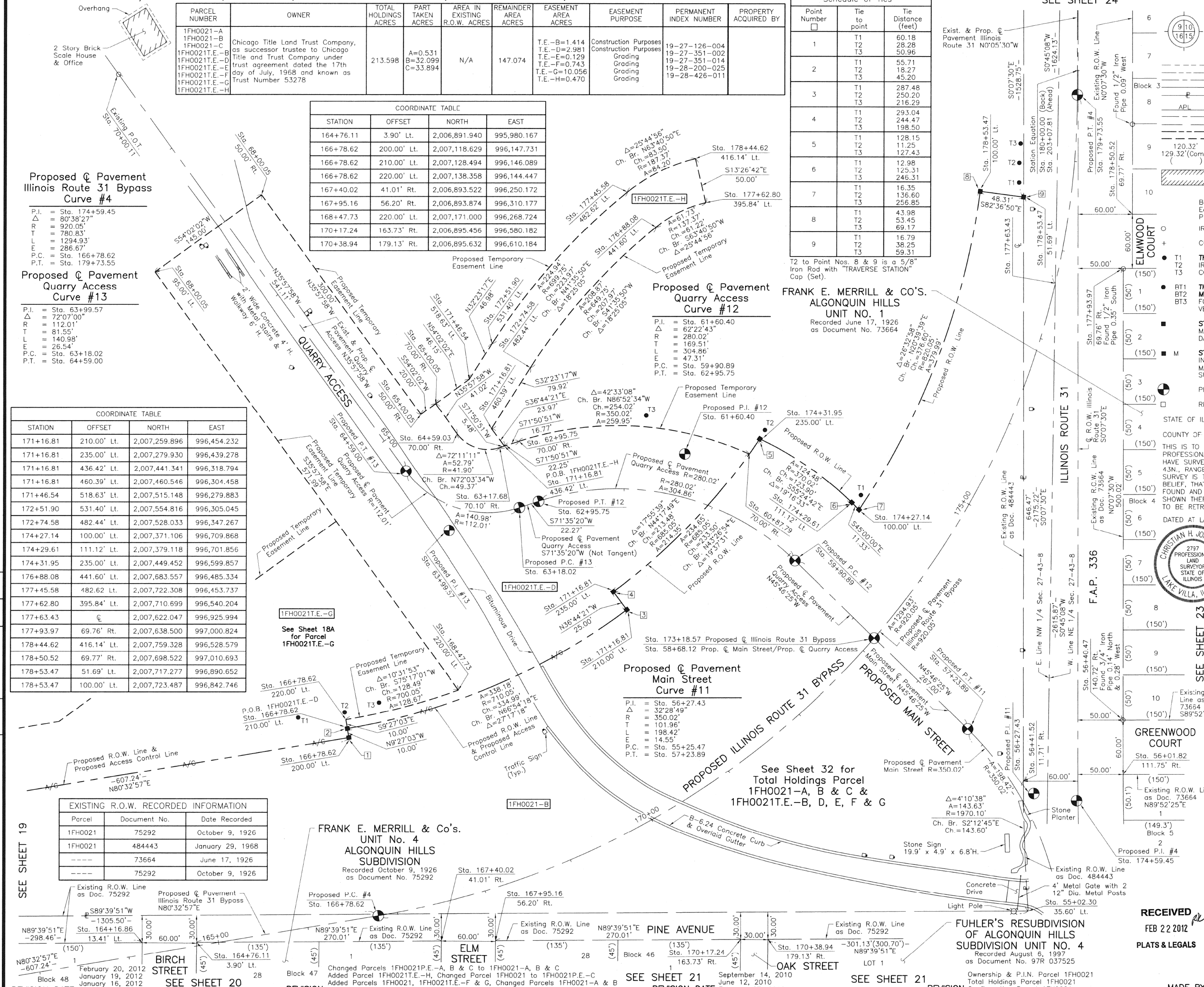
P.I. = Sta. 61+60.40
△ = 62°22'43"
R = 280.02'
T = 169.51'
L = 304.86'
E = 47.31'
P.C. = Sta. 59+90.89
P.T. = Sta. 62+95.75

Proposed ℄ Pavement Main Street Curve #11

P.I. = Sta. 56+27.43
△ = 32°28'49"
R = 350.02'
T = 101.96'
L = 198.42'
E = 14.55'
P.C. = Sta. 55+25.47
P.T. = Sta. 57+23.89

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
171+16.81	210.00' Lt.	2,007,259.896	996,454.232
171+16.81	235.00' Lt.	2,007,279.930	996,439.278
171+16.81	436.42' Lt.	2,007,441.341	996,318.794
171+16.81	460.39' Lt.	2,007,460.546	996,304.458
171+46.54	518.63' Lt.	2,007,515.148	996,279.883
172+51.90	531.40' Lt.	2,007,554.816	996,305.045
172+74.58	482.44' Lt.	2,007,528.033	996,347.267
174+27.14	100.00' Lt.	2,007,371.106	996,709.868
174+29.61	111.12' Lt.	2,007,379.118	996,701.856
174+31.95	235.00' Lt.	2,007,449.452	996,599.857
176+88.08	441.60' Lt.	2,007,683.557	996,485.334
177+45.58	482.62 Lt.	2,007,722.308	996,453.737
177+62.80	395.84' Lt.	2,007,710.699	996,540.204
177+63.43	℄	2,007,622.047	996,925.994
177+93.97	69.76' Rt.	2,007,638.500	997,000.824
178+44.62	416.14' Lt.	2,007,759.328	996,528.579
178+50.52	69.77' Rt.	2,007,698.522	997,010.693
178+53.47	51.69' Lt.	2,007,717.277	996,890.652
178+53.47	100.00' Lt.	2,007,723.487	996,842.746



EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
1FH0021	75292	October 9, 1926
1FH0021	484443	January 29, 1968
----	73664	June 17, 1926
----	75292	October 9, 1926

LEGEND

SECTION CORNER
QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
MEASURED DIMENSION 120.32'
COMPUTED DIMENSION 129.32'(Comp.)
RECORD DATA ( )
EXISTING BUILDING

SCALE: 1"=50'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

○ IRON PIPE OR ROD FOUND — ⊕ "MAG" NAIL SET

\+ CUT CROSS FOUND OR SET — ● 5/8" REBAR SET

● T1 T2 T3 **THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● BT1 BT2 BT3 **THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

■ **STAKING OF PROPOSED RIGHT OF WAY.** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M **STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS______ DAY OF____________20___ A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
56+01.82	111.75' Rt.	2,007,078.484	997,002.045
56+40.47	140.72' Rt.	2,007,138.484	997,001.914
56+41.52	11.71' Rt.	2,007,070.810	996,892.061
60+87.79	70.00' Rt.	2,007,432.721	996,588.365
62+95.75	70.00' Rt.	2,007,446.564	996,334.727
63+17.68	70.10' Rt.	2,007,439.633	996,313.587
64+59.03	70.00' Rt.	2,007,454.839	996,266.622
65+00.05	50.00' Rt.	2,007,476.296	996,226.342
65+00.05	70.00' Rt.	2,007,488.042	996,242.529
68+00.05	50.00' Rt.	2,007,719.105	996,050.149
68+00.05	95.00' Lt.	2,007,633.945	995,932.791
164+16.86	13.41' Lt.	2,006,891.588	995,920.162

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

RECEIVED FEB 22 2012 PLATS & LEGALS

MADE BY

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV — McHENRY COUNTY
PROJECT — JOB NO. R-91-022-03
STATION 55+00 TO STATION 70+00.11
STATION 163+00 TO STATION 180+00
SCALE: 1"=50' — SHEET 22 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION	DATE
	February 20, 2012
	January 19, 2012
	January 16, 2012

REVISION	DATE
Changed Parcels 1FH0021P.E.-A, B & C to 1FH0021-A, B & C Added Parcel 1FH0021T.E.-H, Changed Parcel 1FH0021 to 1FH0021P.E.-C Added Parcels 1FH0021, 1FH0021T.E.-F & G, Changed Parcels 1FH0021-A & B to 1FH0021P.E.-A & B, Eliminated Parcels 1FH0021T.E.-A & C	September 14, 2010 June 12, 2010 February 27, 2010
Ownership & P.I.N. Parcel 1FH0021 Total Holdings Parcel 1FH0021 Configuration Parcel 1FH0021	

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) — SECTION 96-00209-00-PV — COUNTY McHENRY — JOB NO. R-91-022-03

RECORDING: RECORDED ON — AS DOCUMENT NO.

ROW PLAT	MADE	CHECKED	INKED	NOTEBOOK NO	BY	DATE

FILE NAME =	USER NAME = akw	DESIGNED -	REVISED -
...\D160F72-sht-PH-29.dgn		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

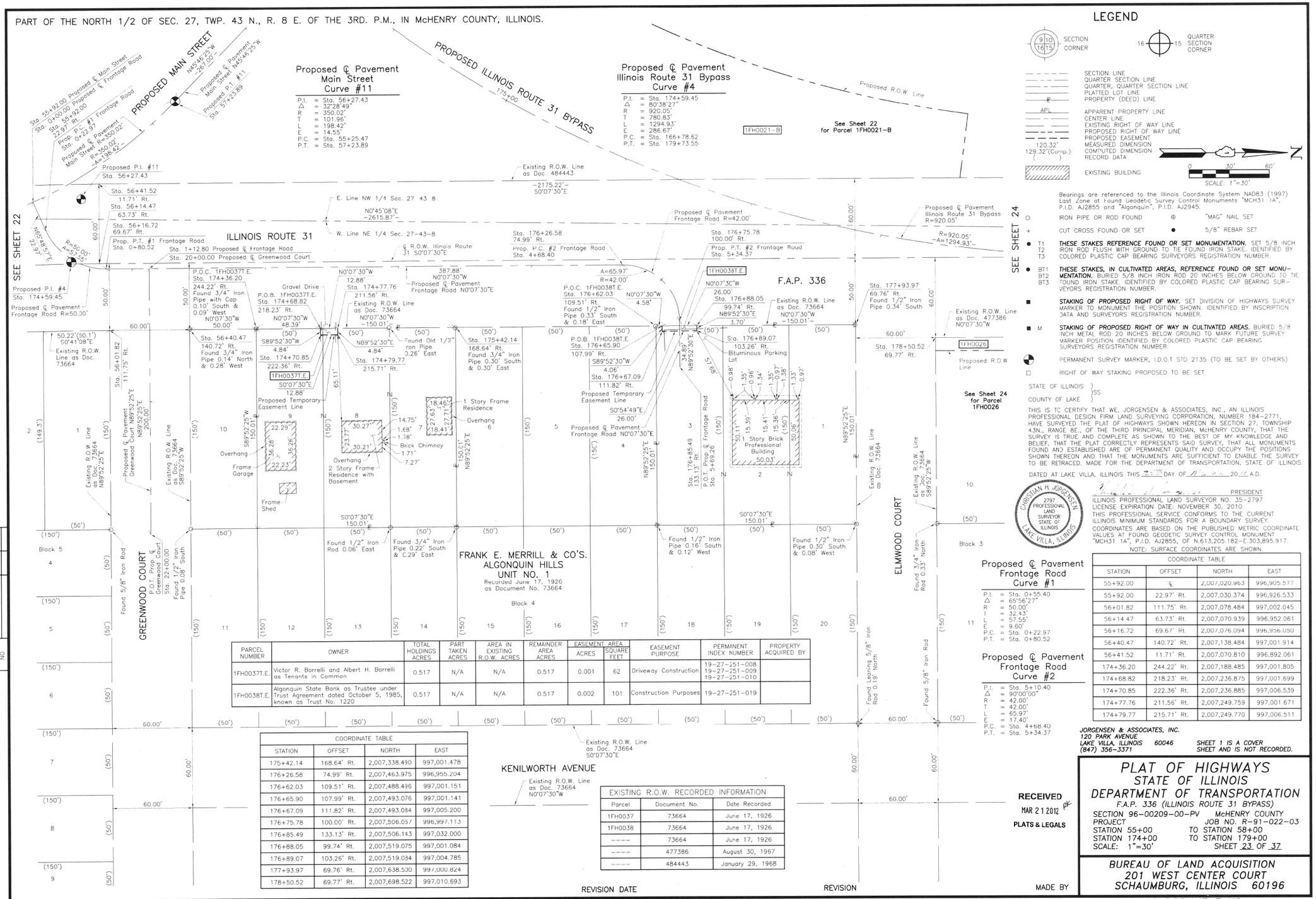
SCALE: GRAPHIC — SHEET NO. 29 OF 49 SHEETS — STA. — TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	438

CONTRACT NO. 60F72

FED. ROAD DIST. NO. 1 — ILLINOIS — FED. AID PROJECT

PART OF THE NORTH 1/2 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 120.32' MEASURED DIMENSION
- 129.32'(Comp.) COMPUTED DIMENSION
- ( ) RECORD DATA
- EXISTING BUILDING

SCALE: 1"=30'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- O IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1, T2, T3 **THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1, BT2, BT3 **THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ **STAKING OF PROPOSED RIGHT OF WAY.** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M **STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 25TH DAY OF MARCH 20 12 A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY
COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
55+92.00	℄	2,007,020.963	996,905.577
55+92.00	22.97' Rt.	2,007,030.374	996,926.533
56+01.82	111.75' Rt.	2,007,078.484	997,002.045
56+14.47	63.73' Rt.	2,007,070.939	996,952.061
56+16.72	69.67' Rt.	2,007,076.094	996,956.050
56+40.47	140.72' Rt.	2,007,138.484	997,001.914
56+41.52	11.71' Rt.	2,007,070.810	996,892.061
174+36.20	244.22' Rt.	2,007,188.485	997,001.805
174+68.82	218.23' Rt.	2,007,236.875	997,001.699
174+70.85	222.36' Rt.	2,007,236.885	997,006.539
174+77.76	211.56' Rt.	2,007,249.759	997,001.671
174+79.77	215.71' Rt.	2,007,249.770	997,006.511

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0037T.E.	Victor R. Borrelli and Albert H. Borrelli as Tenants in Common	0.517	N/A	N/A	0.517	0.001	62	Driveway Construction	19-27-251-008 19-27-251-009 19-27-251-010	
1FH0038T.E.	Algonquin State Bank as Trustee under Trust Agreement dated October 5, 1985, known as Trust No. 1220	0.517	N/A	N/A	0.517	0.002	101	Construction Purposes	19-27-251-019	

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
175+42.14	168.64' Rt.	2,007,338.490	997,001.478
176+26.58	74.99' Rt.	2,007,463.975	996,955.204
176+62.03	109.51' Rt.	2,007,488.496	997,001.151
176+65.90	107.99' Rt.	2,007,493.076	997,001.141
176+67.09	111.82' Rt.	2,007,493.084	997,005.200
176+75.78	100.00' Rt.	2,007,506.057	996,997.113
176+85.49	133.13' Rt.	2,007,506.143	997,032.000
176+88.05	99.74' Rt.	2,007,519.075	997,001.084
176+89.07	103.26' Rt.	2,007,519.034	997,004.785
177+93.97	69.76' Rt.	2,007,638.500	997,000.824
178+50.52	69.77' Rt.	2,007,698.522	997,010.693

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0037	73664	June 17, 1926
1FH0038	73664	June 17, 1926
----	73664	June 17, 1926
----	477386	August 30, 1967
----	484443	January 29, 1968

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

RECEIVED
MAR 21 2012
PLATS & LEGALS

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 55+00 TO STATION 58+00
STATION 174+00 TO STATION 179+00
SCALE: 1"=30' SHEET 23 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

DATE	BY	MADE	CHECKED	INKED	NOTEBOOK NO

ROW PLAT

REVISION DATE | REVISION | MADE BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) | SECTION 96-00209-00-PV | COUNTY McHENRY | JOB NO. R-91-022-03 | RECORDING: RECORDED ON | AS DOCUMENT NO.

FILE NAME = ...\D160F72-sht-PH-30.dgn	USER NAME = okw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

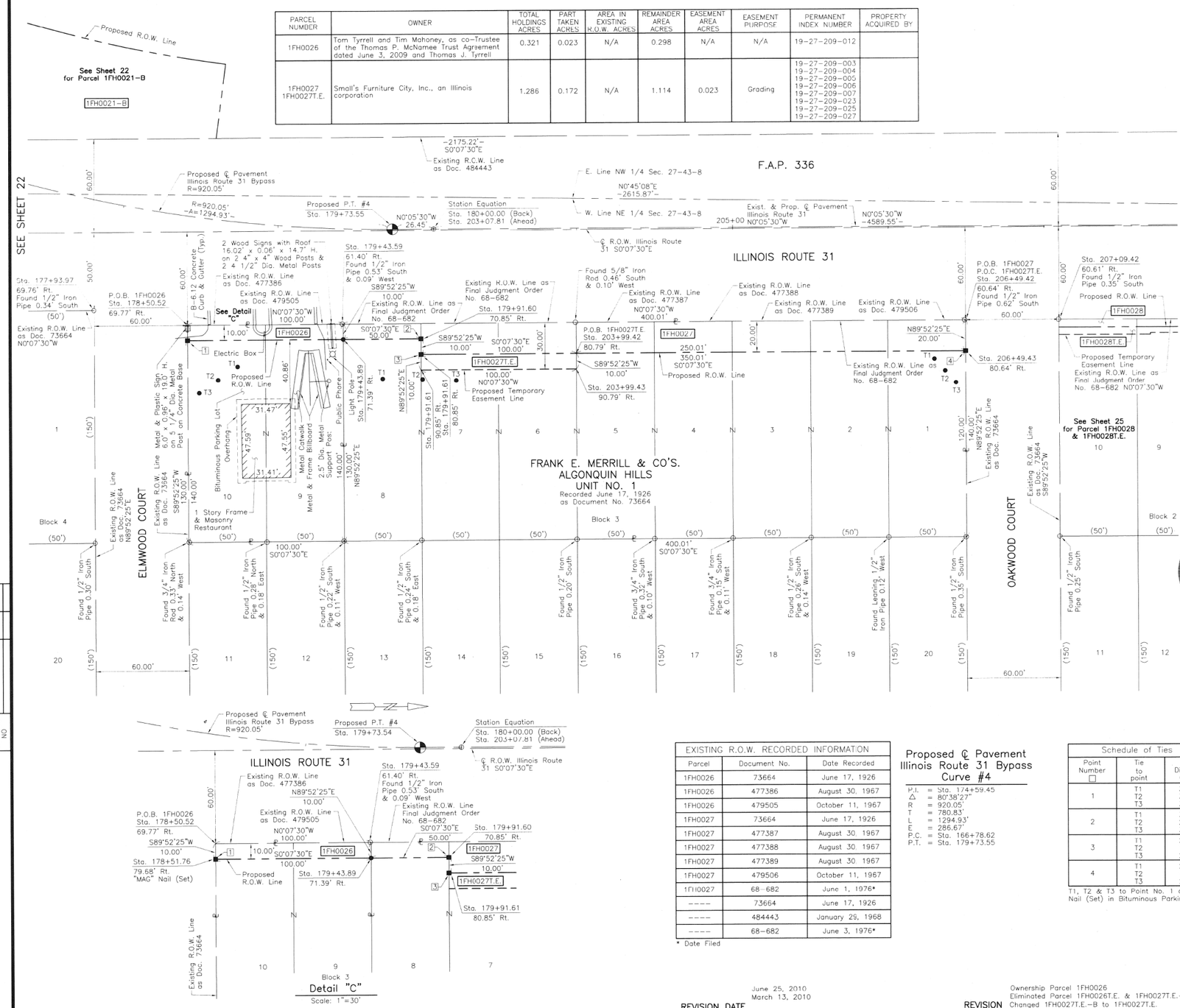
SCALE: GRAPHIC | SHEET NO. 30 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	439
			CONTRACT NO. 60F72	

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

PART OF THE NORTH 1/2 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0026	Tom Tyrrell and Tim Mahoney, as co-Trustee of the Thomas P. McNamee Trust Agreement dated June 3, 2009 and Thomas J. Tyrrell	0.321	0.023	N/A	0.298	N/A	N/A	19-27-209-012	
1FH0027 1FH0027T.E.	Small's Furniture City, Inc., an Illinois corporation	1.286	0.172	N/A	1.114	0.023	Grading	19-27-209-003 19-27-209-004 19-27-209-005 19-27-209-006 19-27-209-007 19-27-209-023 19-27-209-025 19-27-209-027	



EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0026	73664	June 17, 1926
1FH0026	477386	August 30, 1967
1FH0026	479505	October 11, 1967
1FH0027	73664	June 17, 1926
1FH0027	477387	August 30, 1967
1FH0027	477388	August 30, 1967
1FH0027	477389	August 30, 1967
1FH0027	479506	October 11, 1967
1FH0027	68-682	June 1, 1976*
----	73664	June 17, 1926
----	484443	January 29, 1968
----	68-682	June 3, 1976*

* Date Filed

Proposed ℄ Pavement Illinois Route 31 Bypass Curve #4

P.I. = Sta. 174+59.45
Δ = 80°38'27"
R = 920.05'
T = 780.83'
L = 1294.93'
E = 286.67'
P.C. = Sta. 166+78.62
P.T. = Sta. 179+73.55

Schedule of Ties		
Point Number ☐	Tie to point	Tie Distance (feet)
1	T1	36.32
	T2	32.13
	T3	34.53
2	T1	35.48
	T2	26.06
	T3	35.07
3	T1	29.14
	T2	16.06'
	T3	28.16
4	T1	20.72
	T2	18.21
	T3	21.13

T1, T2 & T3 to Point No. 1 are a "MAG" Nail (Set) in Bituminous Parking Lot.

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 120.32 MEASURED DIMENSION
- 129.32'(Comp.) COMPUTED DIMENSION
- ( ) RECORD DATA
- EXISTING BUILDING

0 30' 60' SCALE: 1"=30'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- ○ RON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1 T2 T3 **THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1 BT2 BT3 **THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ **STAKING OF PROPOSED RIGHT OF WAY.** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M **STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- ☐ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS } SS
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RE-TRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 2nd DAY OF Nov, 2011 A.D.

PRESIDENT

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
177+93.97	69.76' Rt.	2,007,638.500	997,000.824
178+50.52	69.77' Rt.	2,007,698.522	997,010.693
178+51.76	79.68' Rt.	2,007,698.544	997,020.693
179+43.59	61.40' Rt.	2,007,798.526	997,010.475
179+43.89	71.39' Rt.	2,007,798.548	997,020.475
179+91.60	70.85' Rt.	2,007,848.550	997,020.366
179+91.61	80.85' Rt.	2,007,848.572	997,030.366
179+91.61	90.85' Rt.	2,007,848.594	997,040.366
203+99.42	80.79' Rt.	2,007,948.575	997,030.148
203+99.43	90.79' Rt.	2,007,948.597	997,040.148
206+49.42	60.64' Rt.	2,008,198.539	997,009.603
206+49.43	80.64' Rt.	2,008,198.583	997,029.603
207+09.42	60.61' Rt.	2,008,258.539	997,009.472

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)

SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 177+50 TO STATION 180+00.00
STATION 203+07.81 TO STATION 207+50
SCALE: 1"=30' SHEET 24 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

RECEIVED
MAR 21 2012
PLATS & LEGALS

REVISION DATE	REVISION	MADE BY
June 25, 2010	Ownership Parcel 1FH0026 Eliminated Parcel 1FH0026T.E. & 1FH0027T.E.-A,	
March 13, 2012	Changed 1FH0027T.E.-B to 1FH0027T.E.	

ROW PLAT MADE / CHECKED / LAYED / NOTEBOOK NO / DATE / BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME = ...\D160F72-sht-PH-31.dgn	USER NAME = dkw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

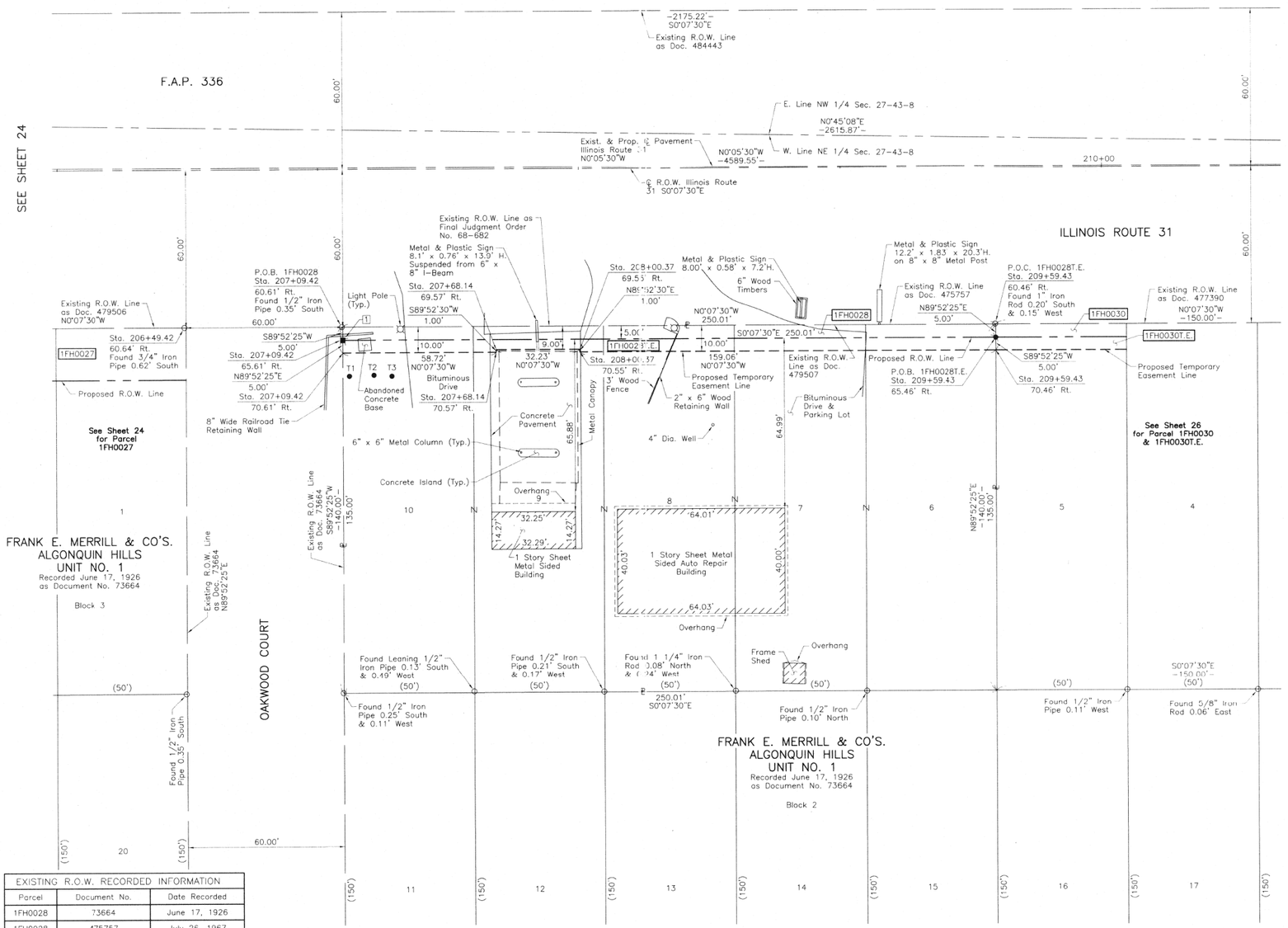
SCALE: GRAPHIC | SHEET NO. 31 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	440
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE NORTH 1/2 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

Schedule of Ties		
Point Number □	Tie to point	Tie Distance (feet)
1	T1	14.07
	T2	18.28
	T3	23.36

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0028 1FH0028T.E.	David Hintz	0.804	0.029	N/A	0.775	0.028	Construction Purposes	19-27-205-005 19-27-205-006 19-27-205-020	



EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0028	73664	June 17, 1926
1FH0028	475757	July 26, 1967
1FH0028	479507	October 11, 1967
1FH0028	68-682	June 3, 1976*
----	73664	June 17, 1926
----	477390	August 30, 1967
----	479506	October 11, 1967
----	484443	January 29, 1968

* Date Filed

LEGEND

SECTION CORNER (9 10 16 15)

QUARTER SECTION CORNER (16 — 15)

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

0 20' 40'
SCALE: 1"=20'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

○ IRON PIPE OR ROD FOUND
⊕ "MAG" NAIL SET
\+ CUT CROSS FOUND OR SET
● 5/8" REBAR SET

● T1 T2 T3 ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● BT1 BT2 BT3 ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
}SS
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 2nd DAY OF May 20 10 A.D.

Christian R. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION/ DATE: NOVEMBER 30, 2006
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

CHRISTIAN R. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
206+49.42	60.64' Rt.	2,008,198.539	997,009.603
207+09.42	60.61' Rt.	2,008,258.539	997,009.472
207+09.42	65.61' Rt.	2,008,258.550	997,014.472
207+09.42	70.61' Rt.	2,008,258.561	997,019.472
207+68.14	69.57' Rt.	2,008,317.276	997,018.344
207+68.14	70.57' Rt.	2,008,317.278	997,019.344
208+00.37	69.55' Rt.	2,008,349.507	997,018.274
208+00.37	70.55' Rt.	2,008,349.509	997,019.274
209+59.43	60.46' Rt.	2,008,508.548	997,008.927
209+59.43	65.46' Rt.	2,008,508.558	997,013.927
209+59.43	70.46' Rt.	2,008,508.570	997,018.927

RECEIVED MAY 13 2010 PLATS & LEGALS

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 206+00 TO STATION 210+00
SCALE: 1"=20' SHEET 25 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROW PLAT	NOTEBOOK NO	MADE	CHECKED	TRACED	BY	DATE

REVISION DATE March 13, 2010 September 11, 2008
REVISION Configuration Parcel 1FH0028 Combined Parcels 1FH0028 & 1FH0029
MADE BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03 RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME = ...\D160F72-sht-PH-32.dgn	USER NAME = akw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

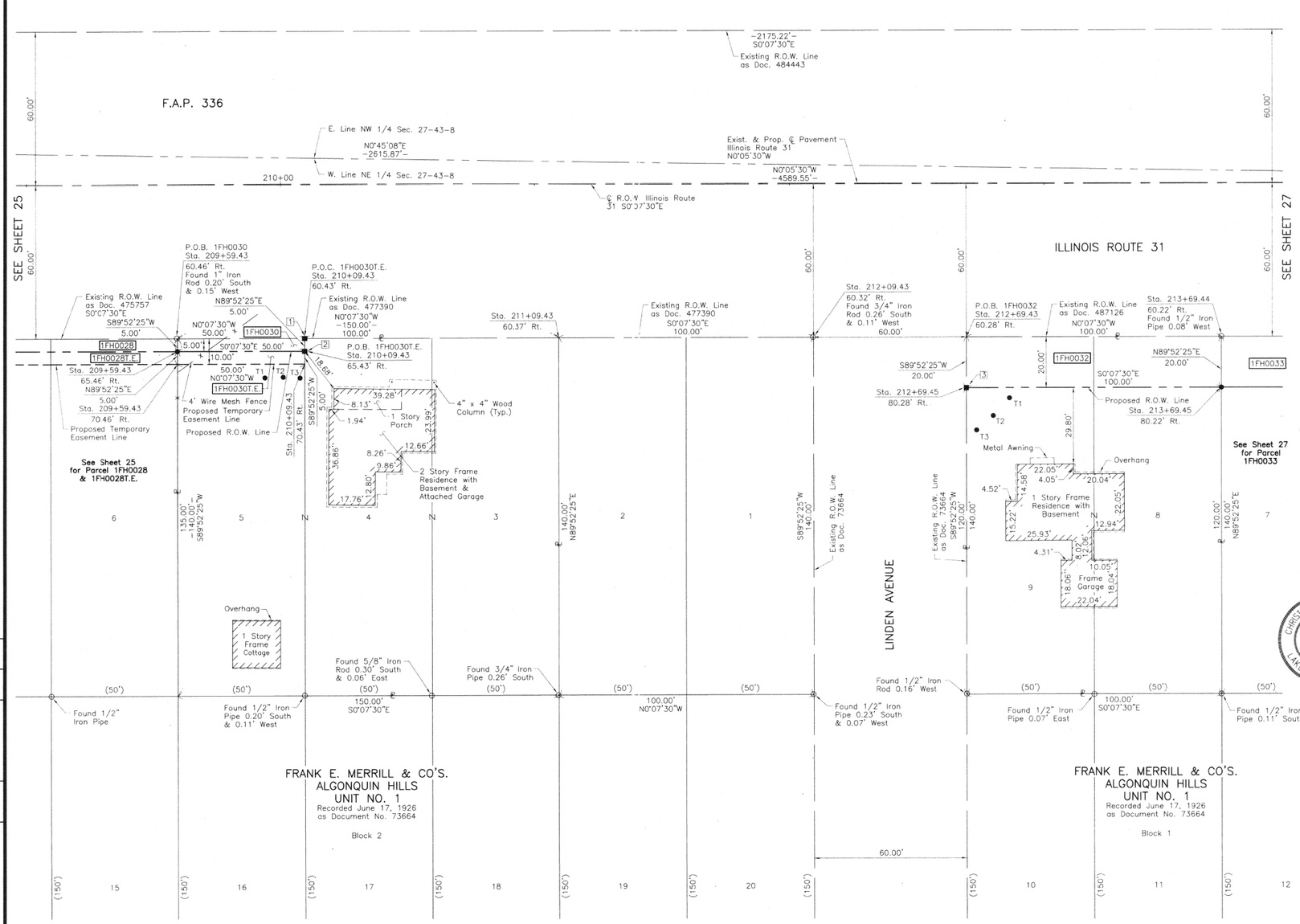
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 32 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	441
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE NORTH 1/2 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 120.32' MEASURED DIMENSION
- 129.32'(Corp.) COMPUTED DIMENSION
- ( ) RECORD DATA
- EXISTING BUILDING

0 20' 40'
SCALE: 1"=20'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1, T2, T3 ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1, BT2, BT3 ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ◐ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 3rd DAY OF May 2010 A.D.

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
209+59.43	60.46' Rt.	2,008,508.548	997,008.927
209+59.43	65.46' Rt.	2,008,508.558	997,013.927
209+59.43	70.46' Rt.	2,008,508.570	997,018.927
210+09.43	60.43' Rt.	2,008,558.549	997,008.818
210+09.43	65.43' Rt.	2,008,558.560	997,013.818
210+09.43	70.43' Rt.	2,008,558.571	997,018.818
211+09.43	60.37' Rt.	2,008,658.553	997,008.600
212+09.43	60.32' Rt.	2,008,758.556	997,008.382
212+69.43	60.28' Rt.	2,008,818.556	997,008.252
212+69.45	80.28' Rt.	2,008,818.600	997,028.252
213+69.44	60.22' Rt.	2,008,918.559	997,008.034
213+69.45	80.22' Rt.	2,008,918.603	997,028.034

RECEIVED
MAY 13 2010
PLATS & LEGALS

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0030	477390	August 30, 1967
1FH0032	73664	June 17, 1926
1FH0032	487126	March 27, 1968
----	73664	June 17, 1926
----	475757	July 26, 1967
----	477390	August 30, 1967
----	484443	January 29, 1968

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	PART TAKEN SQUARE FEET	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0030 1FH0030T.E.	James H. Rainbolt and Michelle Rainbolt, husband and wife, as tenants by the entirety	0.482	0.006	250	N/A	0.476	0.006	250	Construction Purposes	19-27-205-004	
1FH0032	Rebecca A. Struve	0.321	0.046	N/A	N/A	0.275	N/A	N/A	N/A	19-27-201-010 19-27-201-011	

Schedule of Ties		
Point Number □	Tie to point	Tie Distance (feet)
1	T1	22.01
	T2	17.44
	T3	15.68
2	T1	18.83
	T2	13.29
	T3	10.73
3	T1	17.37
	T2	15.15
	T3	16.96

REVISION DATE March 13, 2010
REVISION DATE September 11, 2008
REVISION Configuration Parcel 1FH0030, Eliminated Parcel 1FH0031 Ownership Parcels 1FH0031 & 1FH0032
MADE BY

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 209+00 TO STATION 214+00
SCALE: 1"=20' SHEET 26 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03 RECORDING: RECORDED ON AS DOCUMENT NO.

ROW PLAT | DATE | BY | MADE | CHECKED | INKED | NOTEBOOK NO.

FILE NAME = ...\D160F72-sht-PH-33.dgn	USER NAME = okw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 33 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	McHENRY	825	442
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE SOUTH 1/2 OF SEC. 22 AND PART OF THE NORTH 1/2 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0021–A 1FH0021–B 1FH0021–C 1FH0021T.E.–B 1FH0021T.E.–D 1FH0021T.E.–E 1FH0021T.E.–F 1FH0021T.E.–G 1FH0021T.E.–H	Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278	213.598	A=0.531 B=32.099 C=33.894	N/A	147.074	T.E.–B=1.414 T.E.–D=2.981 T.E.–E=0.129 T.E.–F=0.743 T.E.–G=16.056 T.E.–H=0.470	Construction Purposes Construction Purposes Grading Grading Grading Grading	19–27–126–004 19–27–351–002 19–27–351–014 19–28–200–025 19–28–426–011	
1FH0033	Bryan Syens	0.161	0.023	N/A	0.138	N/A	N/A	19–27–201–009	
1FH0039	Andrzej Pierzynski and Daria B. Pierzynska, husband and wife, as by the entirety	0.505	0.023	N/A	0.482	N/A	N/A	19–27–201–008	
1FH0040 1FH0040T.E.–A 1FH0040T.E.–B 1FH0040T.E.–C	Chicago Title Land Trust Company as successor to Chicago Title and Trust Company as Trustee under Trust Agreement dated July 17, 1968 known as Trust No. 53278	*132.507	2.109	0.413	*130.398	A=1.068 B=0.241 C=0.433	Grading Grading Grading	19–22–401–002 19–27–201–021	

* Area based on that part lying in the SE 1/4 of Sec. 22–43–8 & that part lying in Frank E. Merrill & Co's. Algonquin Hills Unit No. 1 Only.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
217+13.61	60.02' Rt.	2,009,262.732	997,007.283
217+19.14	80.02' Rt.	2,009,268.297	997,027.271

See Sheet 32 for Total Holdings Parcel 1FH0021–A, B & C & 1FH0021T.E.–B, D, E, F, G & H

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 120.32' MEASURED DIMENSION
- 129.32'(Comp.) COMPUTED DIMENSION
- ( ) RECORD DATA
- EXISTING BUILDING
- SCALE: 1"=20'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1, T2, T3 ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1, BT2, BT3 ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ◔ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184–2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 22, TOWNSHIP 43N., RANGE 8E. AND SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF_____20___ A.D.

_____ PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35–2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182–E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

RECEIVED
FEB 22 2012
PLATS & LEGALS

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
212+69.43	60.28' Rt.	2,008,818.556	997,008.252
213+69.44	60.22' Rt.	2,008,918.559	997,008.034
213+69.45	80.22' Rt.	2,008,918.603	997,028.034
214+19.44	60.19' Rt.	2,008,968.561	997,007.925
214+19.45	80.19' Rt.	2,008,968.605	997,027.924
214+69.44	60.17' Rt.	2,009,018.562	997,007.816
214+69.45	80.17' Rt.	2,009,018.607	997,027.816
215+71.93	134.89' Lt.	2,009,120.740	996,812.592
215+71.97	59.89' Lt.	2,009,120.904	996,887.592
216+21.93	134.92' Lt.	2,009,170.740	996,812.483
216+21.97	59.92' Lt.	2,009,170.903	996,887.483
216+97.09	59.97' Lt.	2,009,246.022	996,887.320
216+97.20	134.97' Lt.	2,009,246.006	996,812.319

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0021	484443	January 29, 1968
1FH0033	484433	January 29, 1968
1FH0039	477391	August 30, 1967
1FH0040	477392	August 30, 1967
1FH0040	477393	August 30, 1967
1FH0040	477394	August 30, 1967
1FH0040	484440	January 29, 1968
1FH0040	484444	January 29, 1968
----	73664	June 17, 192E
----	487126	March 27, 1968
----	487127	March 27, 1968

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356–3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96–00209–00–PV McHENRY COUNTY
PROJECT JOB NO. R–91–022–03
STATION 213+00 TO STATION 217+00
SCALE: 1"=20' SHEET 27 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: March 2, 2010; June 22, 2010; June 25, 2010; September 14, 2010; January 16, 2012; February 20, 2012
REVISION: Configuration Parcel 1FH0021, Added Parcels 1FH0039 & 1FH0040 MADE BY Changed Parcels 1FH0021P.E.–A, B & C to 1FH0021–A, B & C; Added Parcels 1FH0021, 1FH0021T.E.–F & G, Changed Parcels 1FH0021–A & B to 1FH0021P.E.–A & B, Eliminated Parcels 1FH0021T.E.–A & C; Ownership & P.I.N. Parcel 1FH0021; Ownership Parcel 1FH0033; Total Holdings Parcel 1FH0040

M–4 "Monument Record" North 1/4 Corner of Section 27–43–8 N.2,009,246.034–E.996,947.320 Recorded September 16, 2010 Document No. 2010R0040538

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96–00209–00–PV COUNTY McHENRY JOB NO. R–91–022–03 RECORDING: RECORDED ON AS DOCUMENT NO.

ROW PLAT	BY	DATE
MADE		
CHECKED		
INKED		
NOTEBOOK NO		

FILE NAME = ...\D160F72-sht-PH-34.dgn	USER NAME = akw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS	O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JORGENSEN & ASSOC.	REVISED -			0003	18A–2	MCHENRY	825	443
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -					CONTRACT NO. 60F72		
	PLOT DATE = 5/2/2012	DATE -	REVISED -		SCALE: GRAPHIC SHEET NO. 34 OF 49 SHEETS STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

PART OF THE SOUTH 1/2 OF SEC. 22 AND PART OF THE NORTH 1/2 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0040	73664	June 17, 1926
1FH0040	477394	August 30, 1967
1FH0040	484440	January 29, 1968
1FH0040	484444	January 29, 1968
----	484443	January 29, 1968
----	487127	March 27, 1968
----	68-682	*May 28, 1968
----	531481	October 8, 1970

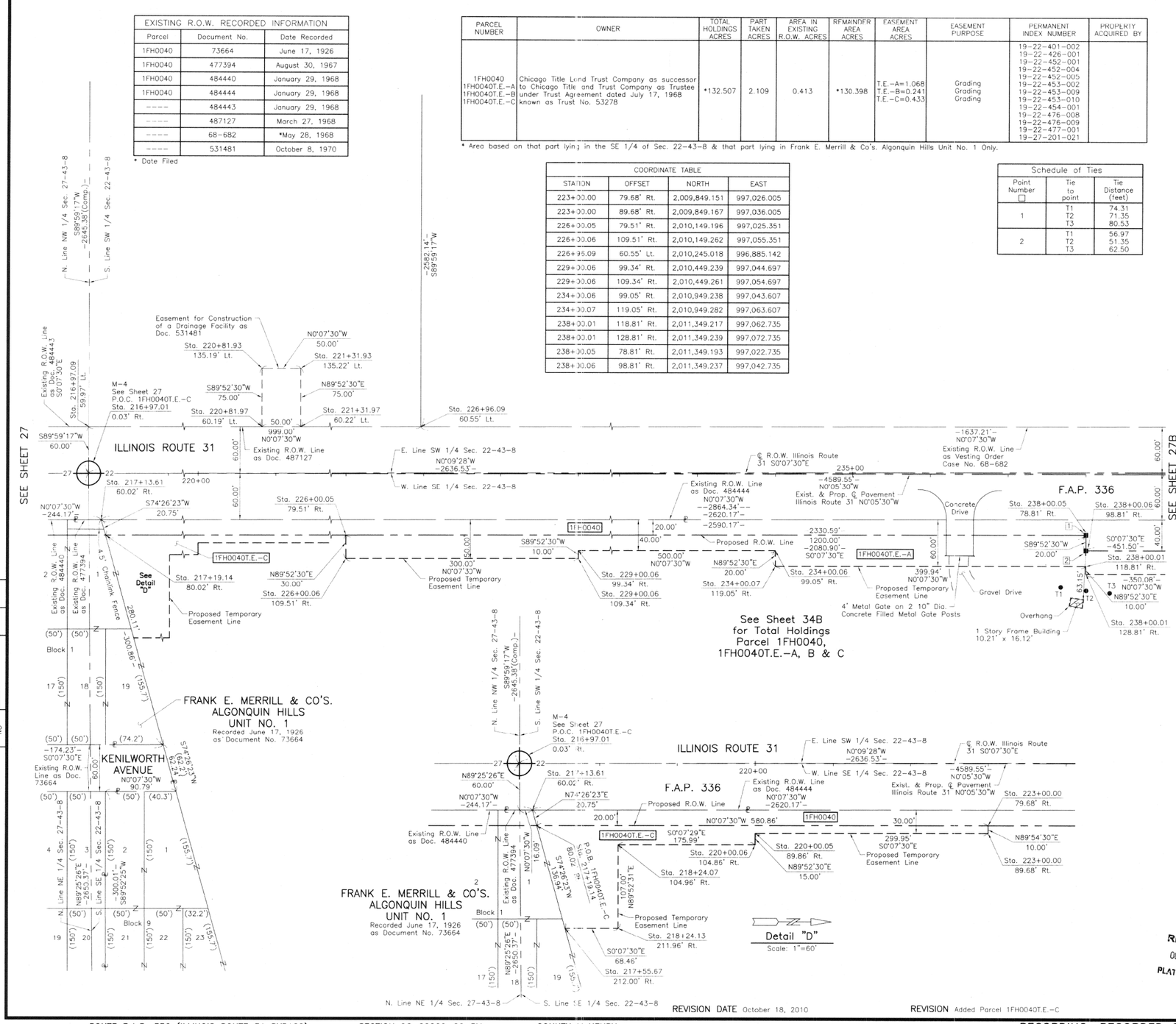
* Date Filed

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0040 1FH0040T.E.-A 1FH0040T.E.-B 1FH0040T.E.-C	Chicago Title Land Trust Company as successor to Chicago Title and Trust Company as Trustee under Trust Agreement dated July 17, 1968 known as Trust No. 53278	*132.507	2.109	0.413	*130.398	T.E.-A=1.068 T.E.-B=0.241 T.E.-C=0.433	Grading Grading Grading	19-22-401-002 19-22-426-001 19-22-452-001 19-22-452-004 19-22-452-005 19-22-453-002 19-22-453-009 19-22-453-010 19-22-454-001 19-22-476-008 19-22-476-009 19-22-477-001 19-27-201-021	

* Area based on that part lying in the SE 1/4 of Sec. 22-43-8 & that part lying in Frank E. Merrill & Co's. Algonquin Hills Unit No. 1 Only.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
223+00.00	79.68' Rt.	2,009,849.151	997,026.005
223+00.00	89.68' Rt.	2,009,849.167	997,036.005
226+00.05	79.51' Rt.	2,010,149.196	997,025.351
226+00.06	109.51' Rt.	2,010,149.262	997,055.351
226+96.09	60.55' Lt.	2,010,245.018	996,885.142
229+00.06	99.34' Rt.	2,010,449.239	997,044.697
229+00.06	109.34' Rt.	2,010,449.261	997,054.697
234+00.06	99.05' Rt.	2,010,949.238	997,043.607
234+00.07	119.05' Rt.	2,010,949.282	997,063.607
238+00.01	118.81' Rt.	2,011,349.217	997,062.735
238+00.01	128.81' Rt.	2,011,349.239	997,072.735
238+00.05	78.81' Rt.	2,011,349.193	997,022.735
238+00.06	98.81' Rt.	2,011,349.237	997,042.735

Schedule of Ties		
Point Number □	Tie to point	Tie Distance (feet)
1	T1	74.31
	T2	71.35
	T3	80.53
2	T1	56.97
	T2	51.35
	T3	62.50



COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
216+97.01	0.03' Rt.	2,009,246.034	996,947.320
216+97.09	59.97' Lt.	2,009,246.022	996,887.320
217+13.61	60.02' Rt.	2,009,262.732	997,007.283
217+19.14	80.02' Rt.	2,009,268.297	997,027.271
217+55.67	212.00' Rt.	2,009,305.032	997,159.192
218+24.07	104.96' Rt.	2,009,373.262	997,052.038
218+24.13	211.96' Rt.	2,009,373.496	997,159.042
220+00.05	89.86' Rt.	2,009,549.220	997,036.659
220+00.06	104.85' Rt.	2,009,549.252	997,051.655
220+81.93	135.19' Lt.	2,009,630.739	996,811.481
220+81.97	60.19' Lt.	2,009,630.902	996,886.480
221+31.93	135.22' Lt.	2,009,680.739	996,811.372
221+31.97	60.22' Lt.	2,009,680.902	996,886.372

LEGEND

SECTION CORNER — QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APL APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

SCALE: 1"=60'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A" P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
\+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET

● T1 T2 T3 ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● BT1 BT2 BT3 ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS } SS
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 22, TOWNSHIP 43N., RANGE 8E. AND SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 23rd DAY OF June 20 10 A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182 - E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

RECEIVED OCT 1 92010 PLATS & LEGALS

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 216+00 TO STATION 239+00
SCALE: 1"=60' SHEET 27A OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE October 18, 2010 REVISION Added Parcel 1FH0040T.E.-C MADE BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME = ...\D160F72-sht-PH-35.dgn	USER NAME = akw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

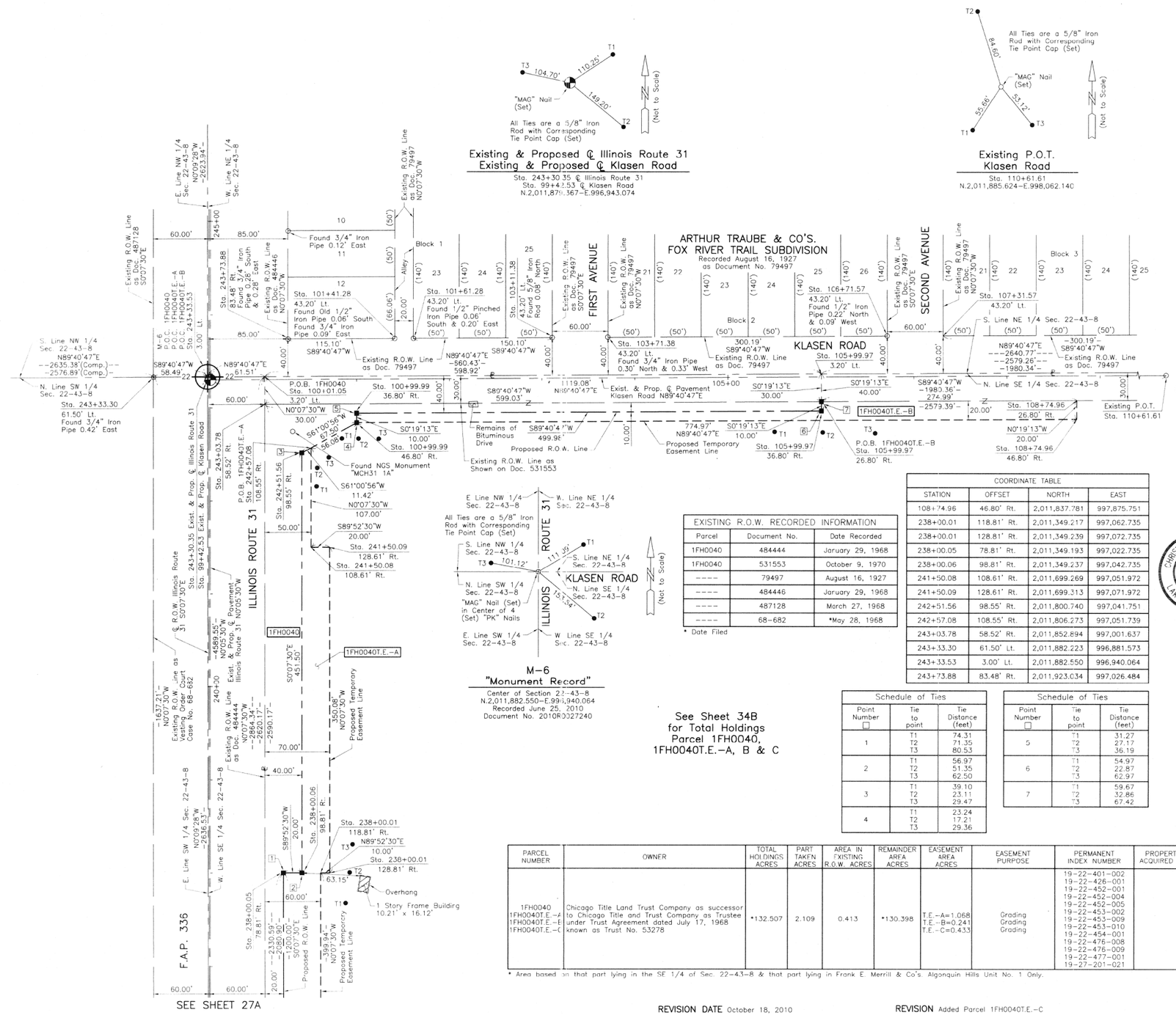
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 35 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	444
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE SOUTH 1/2 AND PART OF THE NORTH 1/2 OF SEC. 22, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

SECTION CORNER (9 10 16 15) — QUARTER SECTION CORNER (16 15)

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 120.32' — MEASURED DIMENSION
- (129.32'(Comp.)) — COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

N

0 50' 100'

SCALE: 1"=50'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1, T2, T3 — ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1, BT2, BT3 — ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ — ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M — ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS } SS
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 22, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 20th DAY OF June 20 10 A.D.

PRESIDENT

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182–E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
100+01.05	3.20' Lt.	2,011,882.894	997,001.572
100+99.99	36.80' Rt.	2,011,843.448	997,100.741
100+99.99	46.80' Rt.	2,011,833.448	997,100.797
101+41.28	43.20' Lt.	2,011,923.678	997,141.578
101+61.28	43.20' Lt.	2,011,923.790	997,161.578
103+11.38	43.20' Lt.	2,011,924.629	997,311.672
103+71.38	43.20' Lt.	2,011,924.964	997,371.672
105+99.97	3.20' Lt.	2,011,886.243	997,600.488
105+99.97	26.80' Rt.	2,011,856.243	997,600.656
105+99.97	36.80' Rt.	2,011,846.244	997,600.712
106+71.57	43.20' Lt.	2,011,926.642	997,671.859
107+31.57	43.20' Lt.	2,011,926.978	997,731.858
108+74.96	26.80' Rt.	2,011,857.781	997,875.640

RECEIVED
OCT 1 92010
PLATS & LEGALS

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
108+74.96	46.80' Rt.	2,011,837.781	997,875.751
238+00.01	118.81' Rt.	2,011,349.217	997,062.735
238+00.01	128.81' Rt.	2,011,349.239	997,072.735
238+00.05	78.81' Rt.	2,011,349.193	997,022.735
238+00.06	98.81' Rt.	2,011,349.237	997,042.735
241+50.08	108.61' Rt.	2,011,699.269	997,051.972
241+50.09	128.61' Rt.	2,011,699.313	997,071.972
242+51.56	98.55' Rt.	2,011,800.740	997,041.751
242+57.08	108.55' Rt.	2,011,806.273	997,051.739
243+03.78	58.52' Rt.	2,011,852.894	997,001.637
243+33.30	61.50' Lt.	2,011,882.223	996,881.573
243+33.53	3.00' Lt.	2,011,882.550	996,940.064
243+73.88	83.48' Rt.	2,011,923.034	997,026.484

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0040	484444	January 29, 1968
1FH0040	531553	October 9, 1970
-----	79497	August 16, 1927
-----	484446	January 29, 1968
-----	487128	March 27, 1968
-----	68-682	*May 28, 1968

* Date Filed

Schedule of Ties		
Point Number □	Tie to point	Tie Distance (feet)
1	T1	74.31
	T2	71.35
	T3	80.53
2	T1	56.97
	T2	51.35
	T3	62.50
3	T1	39.10
	T2	23.11
	T3	29.47
4	T1	23.24
	T2	17.21
	T3	29.36

Schedule of Ties		
Point Number □	Tie to point	Tie Distance (feet)
5	T1	31.27
	T2	27.17
	T3	36.19
6	T1	54.97
	T2	22.87
	T3	62.97
7	T1	59.67
	T2	32.86
	T3	67.42

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0040 1FH0040T.E.-A 1FH0040T.E.-B 1FH0040T.E.-C	Chicago Title Land Trust Company as successor to Chicago Title and Trust Company as Trustee under Trust Agreement dated July 17, 1968 known as Trust No. 53278	*132.507	2.109	0.413	*130.398	T.E.-A=1.068 T.E.-B=0.241 T.E.-C=0.433	Grading Grading Grading	19-22-401-002 19-22-426-001 19-22-452-001 19-22-452-004 19-22-452-005 19-22-453-002 19-22-453-009 19-22-453-010 19-22-454-001 19-22-476-008 19-22-476-009 19-22-477-001 19-27-201-021	

* Area based on that part lying in the SE 1/4 of Sec. 22-43-8 & that part lying in Frank E. Merrill & Co's. Algonquin Hills Unit No. 1 Only.

ROW PLAT	BY	DATE
MADE		
CHECKED		
NOTEBOOK NO		

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 99+42.53 TO STATION 110+61.61
STATION 237+00 TO STATION 245+00
SCALE: 1"=50' SHEET 27B OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE October 18, 2010 REVISION Added Parcel 1FH0040T.E.-C MADE BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03 RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME = ...\D160F72-sht-PH-36.dgn	USER NAME = akw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

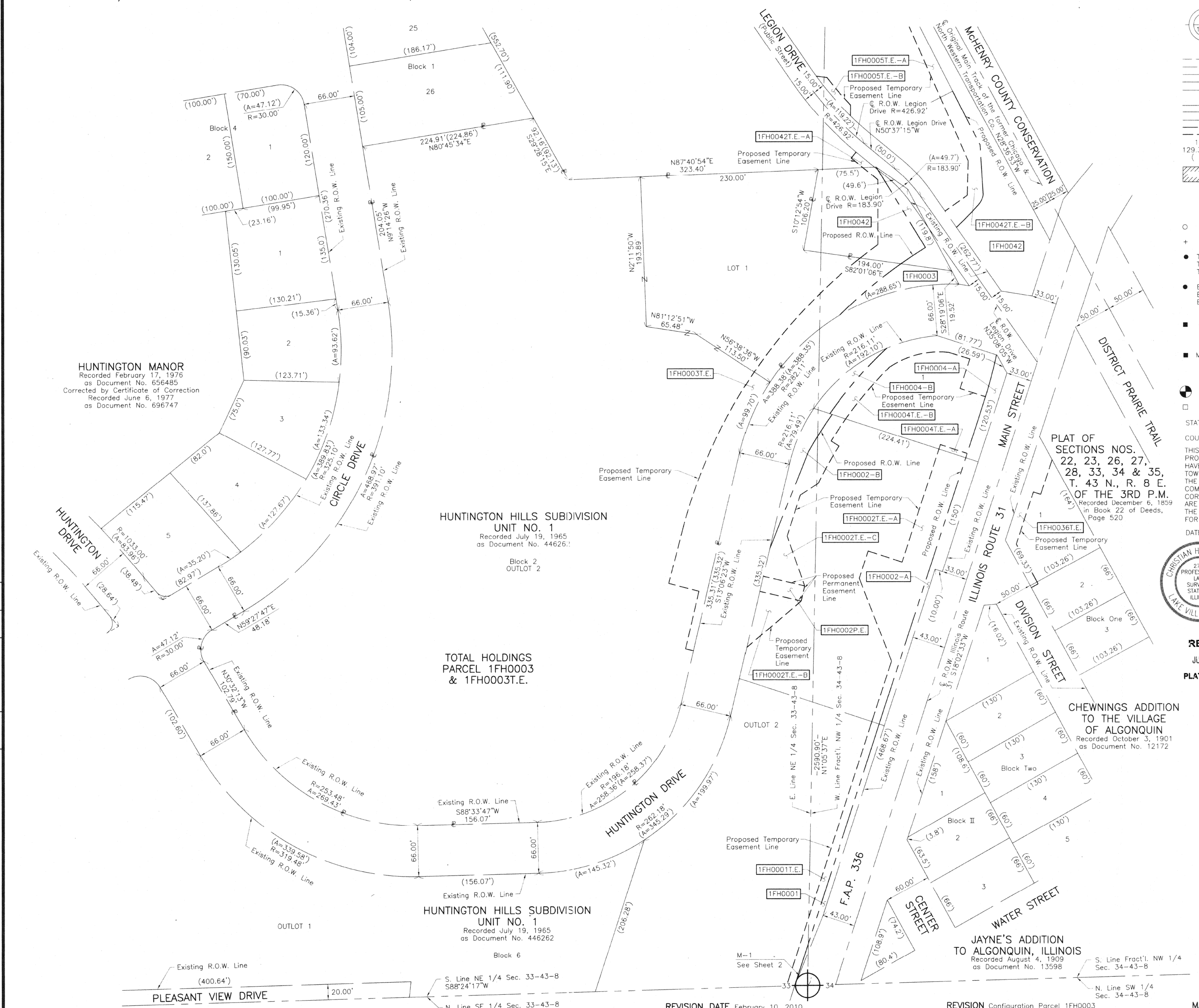
PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 36 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	445
		CONTRACT NO. 60F72		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE FRACTIONAL NW 1/4 OF SEC. 34, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

SECTION CORNER — QUARTER SECTION CORNER

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 120.32' — MEASURED DIMENSION
- 129.32'(Comp.) — COMPUTED DIMENSION
- ( ) — RECORD DATA
- EXISTING BUILDING

N

SCALE: 1"=60' (0 60' 120')

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

○ IRON PIPE OR ROD FOUND — ⊕ "MAG" NAIL SET

\+ CUT CROSS FOUND OR SET — ● 5/8" REBAR SET

● T1 T2 T3 **THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● BT1 BT2 BT3 **THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

■ **STAKING OF PROPOSED RIGHT OF WAY.** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

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PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 8E. AND SECTION 34, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 14th DAY OF March 2005 A.D.

Christian H. Jorgensen — PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

RECEIVED
JUL 07 2010
PLATS & LEGALS

ROW PLAT	MADE	CHECKED	INKED	NOTEBOOK NO
BY				
DATE				

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION NONE TO STATION
SCALE: 1"=60' SHEET 28 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE February 10, 2010
REVISION Configuration Parcel 1FH0003
MADE BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME =	USER NAME = akw	DESIGNED -	REVISED -
...\D160F72-sht-PH-37.dgn		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 '/ in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

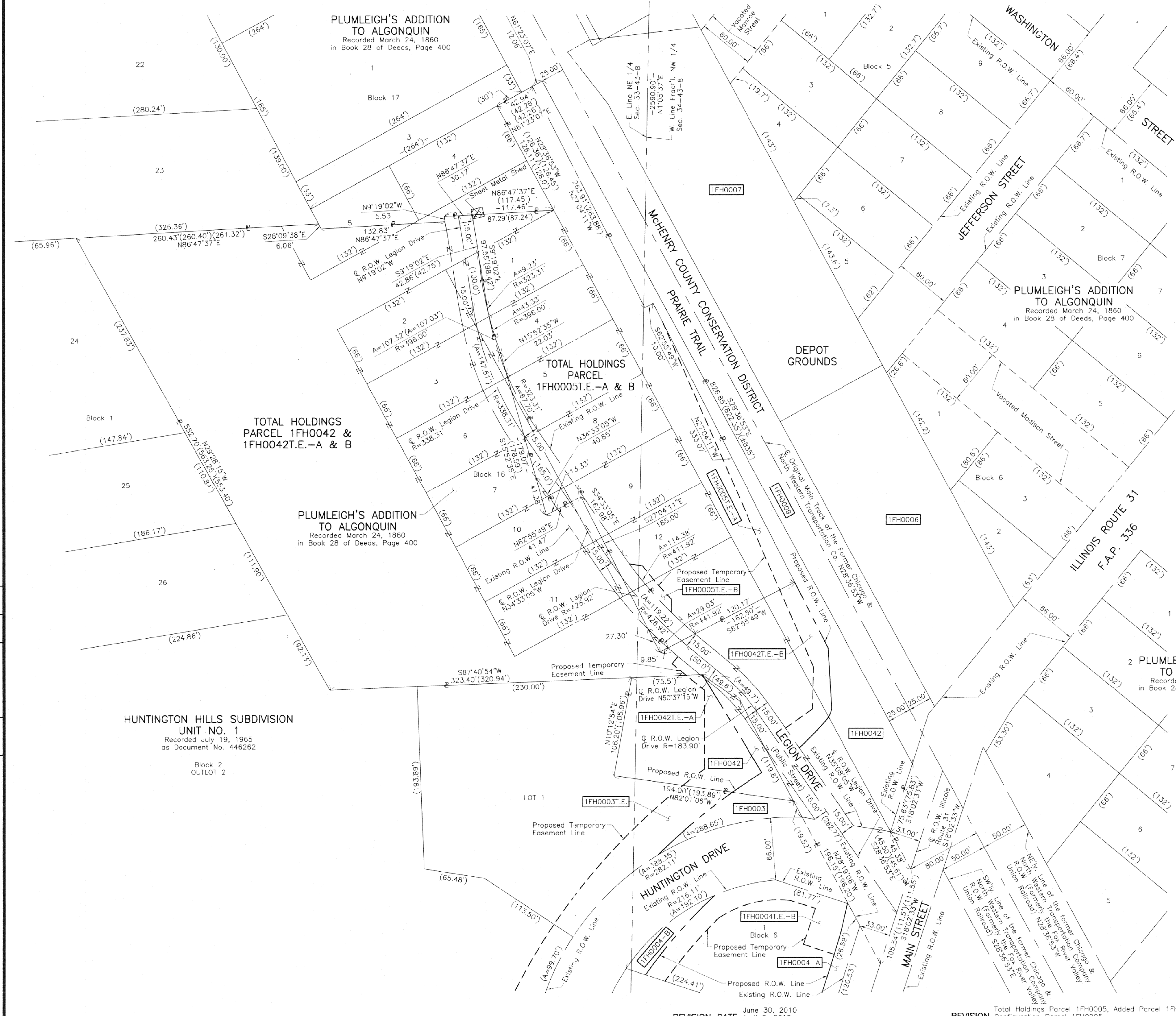
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: GRAPHIC	SHEET NO. 37 OF 49 SHEETS	STA.	TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	446
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE FRACTIONAL NW 1/4 SEC. 34, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

SECTION CORNER — QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

N — SCALE: 1"=50' (0, 50', 100')

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

○ IRON PIPE OR ROD FOUND — ⊕ "MAG" NAIL SET

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● T1 T2 T3 — ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

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PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 8E. AND SECTION 34, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY. THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 1st DAY OF June 2005 A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

RECEIVED JUL 07 2010 PLATS & LEGALS

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION NONE TO STATION
SCALE: 1"=50' SHEET 29 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE June 30, 2010 / April 8, 2010 — REVISION Total Holdings Parcel 1FH0005, Added Parcel 1FH0042 / Configuration Parcel 1FH0005 — MADE BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03 RECORDING: RECORDED ON AS DOCUMENT NO.

ROW PLAT	MADE	CHECKED	INKED	NOTEBOOK NO	BY	DATE

FILE NAME = ...\D160F72-sht-PH-38.dgn	USER NAME = akw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 '/ in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

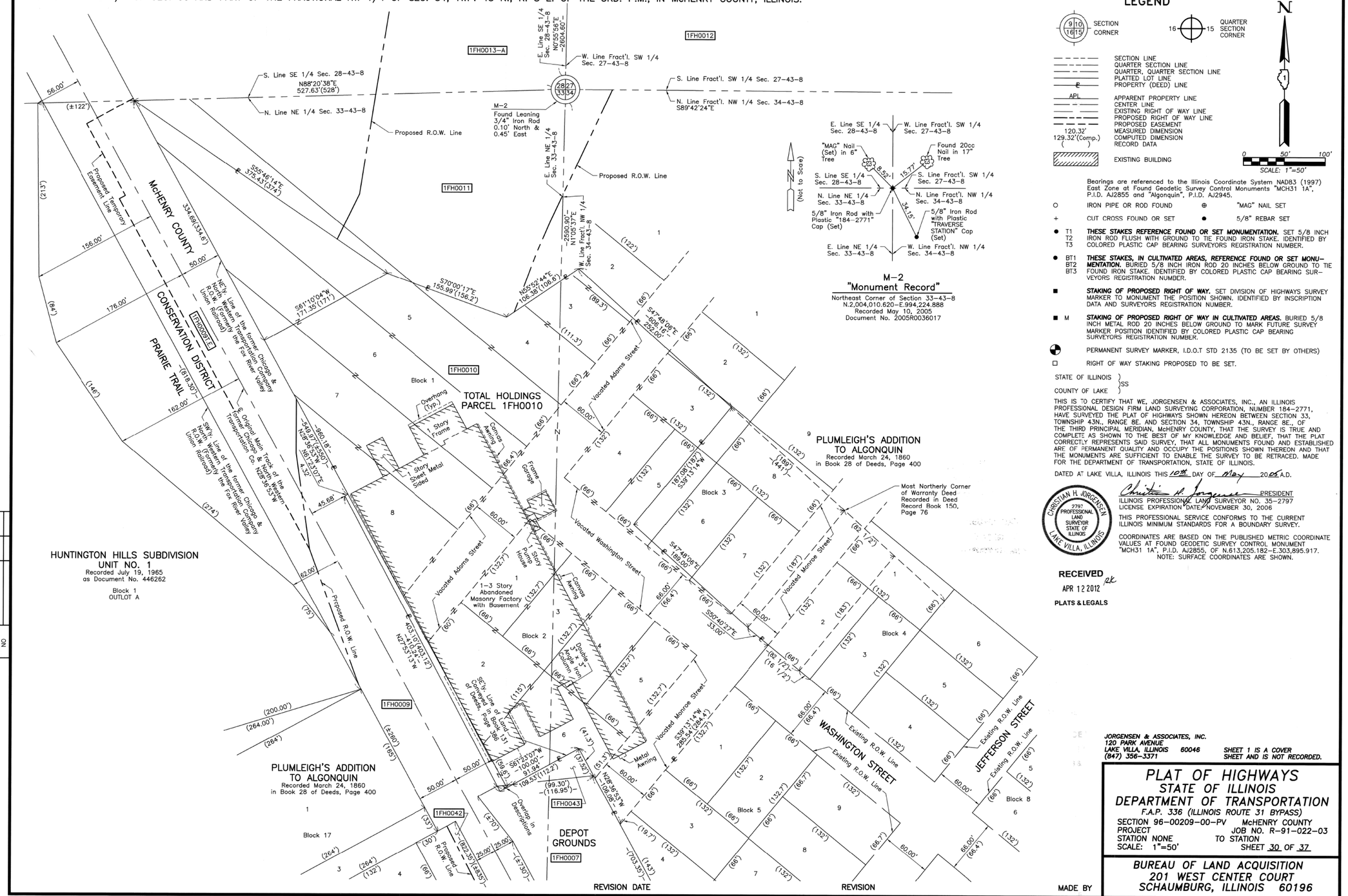
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 38 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	447
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE FRACTIONAL NW 1/4 OF SEC. 34, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



M-2 "Monument Record"

Northeast Corner of Section 33-43-8
N.2,004,010.620-E.994,224.888
Recorded May 10, 2005
Document No. 2005R0036017

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 120.32' — MEASURED DIMENSION
- 129.32'(Comp.) — COMPUTED DIMENSION
- ( ) — RECORD DATA
- EXISTING BUILDING

SCALE: 1"=50'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- O IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1, T2, T3 — ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1, BT2, BT3 — ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ — ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M — ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS } SS
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 8E. AND SECTION 34, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 10th DAY OF May 2006 A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

RECEIVED
APR 12 2012
PLATS & LEGALS

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION NONE TO STATION
SCALE: 1"=50' SHEET 30 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROW PLAT	DATE
	BY
MADE	
CHECKED	
INKED	
NOTEBOOK NO	

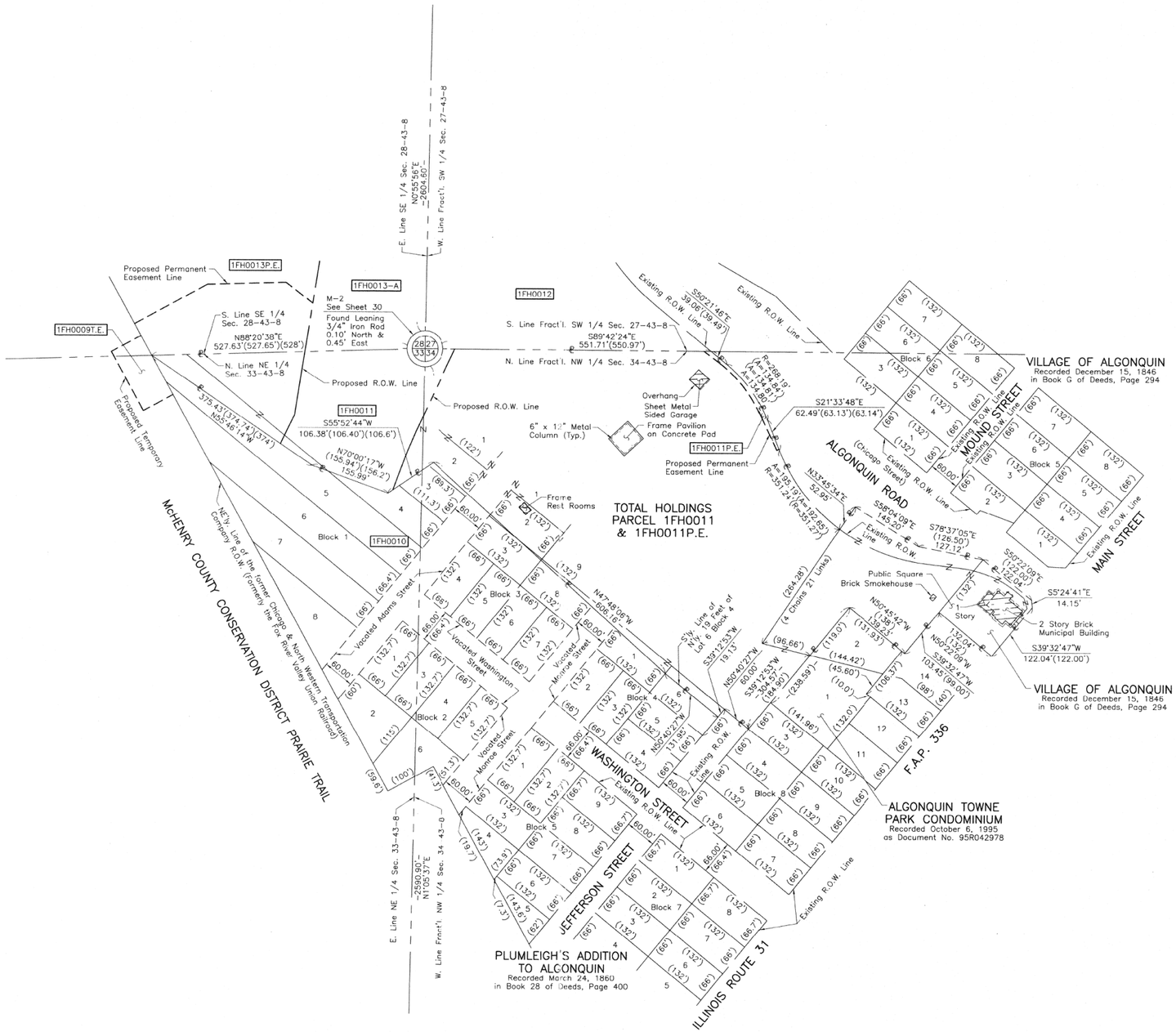
REVISION DATE | REVISION | MADE BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) | SECTION 96-00209-00-PV | COUNTY McHENRY | JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME = ...\D160F72-sht-PH-39.dgn	USER NAME = akw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS			O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JORGENSEN & ASSOC.	REVISED -					0003	18A-2	MCHENRY	825	448
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -							CONTRACT NO. 60F72		
	PLOT DATE = 5/2/2012	DATE -	REVISED -		SCALE: GRAPHIC	SHEET NO. 39 OF 49 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE FRACTIONAL NW 1/4 OF SEC. 34, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 120.32' — MEASURED DIMENSION
- 129.32'(Comp.) — COMPUTED DIMENSION
- ( ) — RECORD DATA
- EXISTING BUILDING

N

SCALE: 1"=100'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A" P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1, T2, T3 — ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- ◒ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS } SS
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 8E. AND SECTION 34, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20___ A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

_____ PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

ROW PLAT	NOTEBOOK NO	INKED	CHECKED	MADE	BY	DATE

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

RECEIVED
JUN 14 2011
PLATS & LEGALS

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)

SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION NONE TO STATION
SCALE: 1"=100' SHEET 31 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE June 13, 2011
October 23, 2010
May 12, 2010

REVISION Configuration Parcel 1FH0011 & 1FH0011P.E.
Total Holdings Parcel 1FH0011
Configuration Parcel 1FH0011P.E.

MADE BY

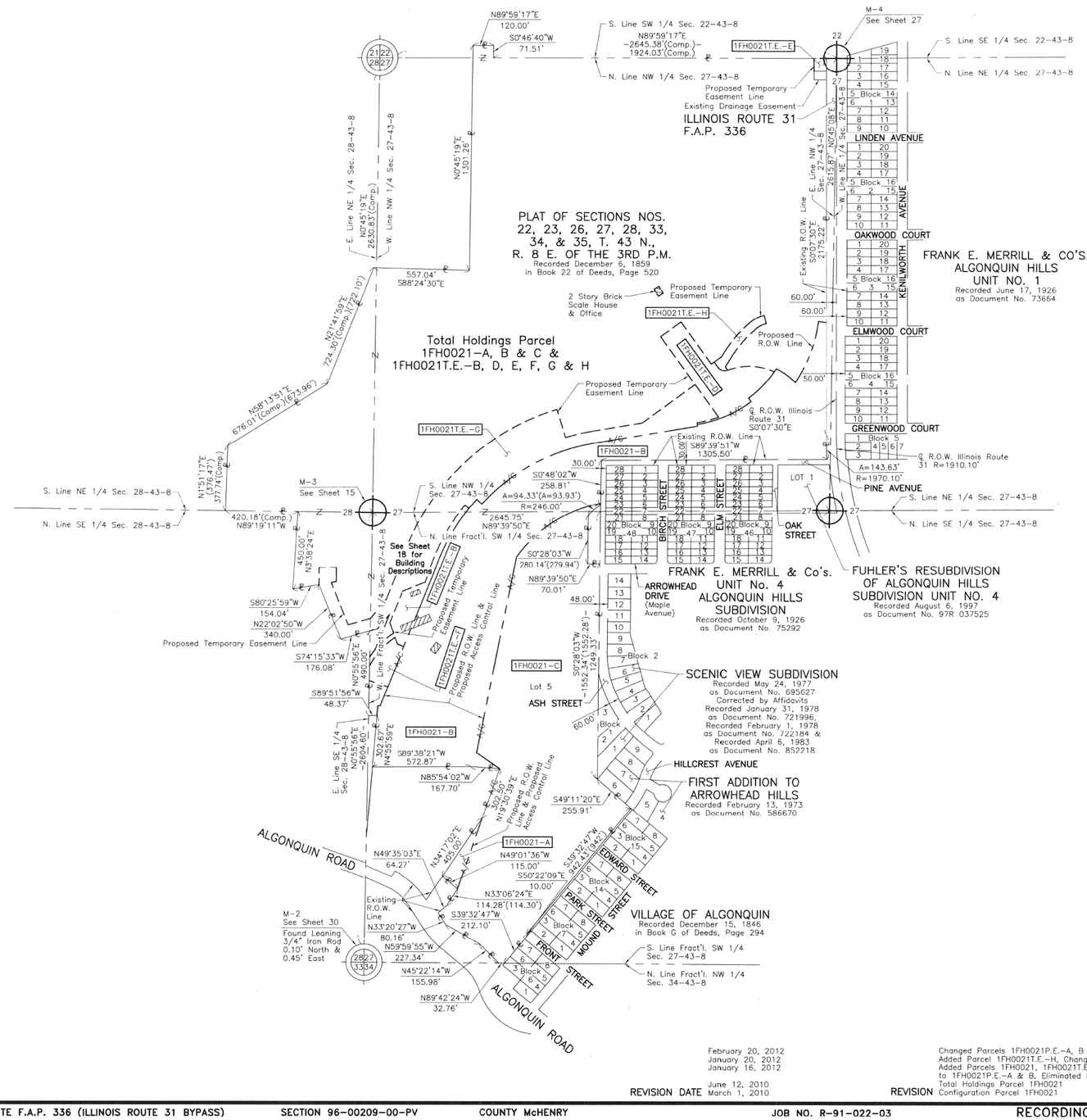
ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME = ...\D160F72-sht-PH-40.dgn	USER NAME = akw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS				
		DRAWN - JORGENSEN & ASSOC.	REVISED -						
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -						
	PLOT DATE = 5/2/2012	DATE -	REVISED -		SCALE: GRAPHIC	SHEET NO. 40 OF 49 SHEETS	STA.	TO STA.	

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	McHENRY	825	449
			CONTRACT NO. 60F72	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE SW 1/4 OF SEC. 22, PART OF THE WEST 1/2 OF SEC. 27 AND PART OF THE EAST 1/2 OF SEC. 28, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APL APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA

EXISTING BUILDING

N

0 300' 600'
SCALE: 1"=300'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

O IRON PIPE OR ROD FOUND
⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET
● 5/8" REBAR SET

● T1 T2 T3 ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● BT1 BT2 BT3 ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS } SS
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 27, TOWNSHIP 43N., RANGE 8E. AND SECTION 28, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20___ A.D.

PRESIDENT

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

RECEIVED
FEB 22 2012
PLATS & LEGALS

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)

SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION NONE TO STATION
SCALE: 1"=300' SHEET 32 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROW PLAT	BY	DATE
MADE		
CHECKED		
INKED		
NOTEBOOK NO		

REVISION DATE
February 20, 2012
January 20, 2012
January 16, 2012
March 1, 2010
June 12, 2010

REVISION
Changed Parcels 1FH0021P.E.-A, B & C to 1FH0021-A, B & C
Added Parcel 1FH0021T.E.-H, Changed Parcel 1FH0021 to 1FH0021P.E.-C
Added Parcels 1FH0021, 1FH0021T.E.-F & G, Changed Parcels 1FH0021-A & B to 1FH0021P.E.-A & B, Eliminated Parcels 1FH0021T.E.-A & C
Total Holdings Parcel 1FH0021
Configuration Parcel 1FH0021

MADE BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME = ...\D160F72-sht-PH-41.dgn	USER NAME = akw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 41 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	450
		CONTRACT NO. 60F72		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

PART OF THE FRACTIONAL SW 1/4 AND PART OF THE NW 1/4 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

N

0 40' 80'
SCALE: 1"=40'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

○ IRON PIPE OR ROD FOUND
⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET
● 5/8" REBAR SET

● T1, T2, T3 ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

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■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

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PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF_____ 20___ A.D.

_____ PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

RECEIVED
FEB 22 2012
LATS & LEGALS

ROW PLAT	BY	DATE
MADE		
CHECKED		
INKED		
NOTEBOOK NO.		

REVISION DATE March 1, 2010
January 19, 2012
January 11, 2012
June 11, 2010
REVISION Configuration Parcels 1FH0022 & 1FH0023, Eliminated Parcels 1FH0022T.E. & 1FH0023T.E.
Added Parcels 1FH0022T.E. & 1FH0023T.E.
Total Holdings Parcel 1FH0022
Configuration Parcels 1FH0022 & 1FH0023
MADE BY

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION NONE TO STATION
SCALE: 1"=40' SHEET 33 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) | SECTION 96-00209-00-PV | COUNTY McHENRY | JOB NO. R-91-022-03 | RECORDING: RECORDED ON | AS DOCUMENT NO.

FILE NAME = ...\D160F72-sht-PH-42.dgn	USER NAME = akw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

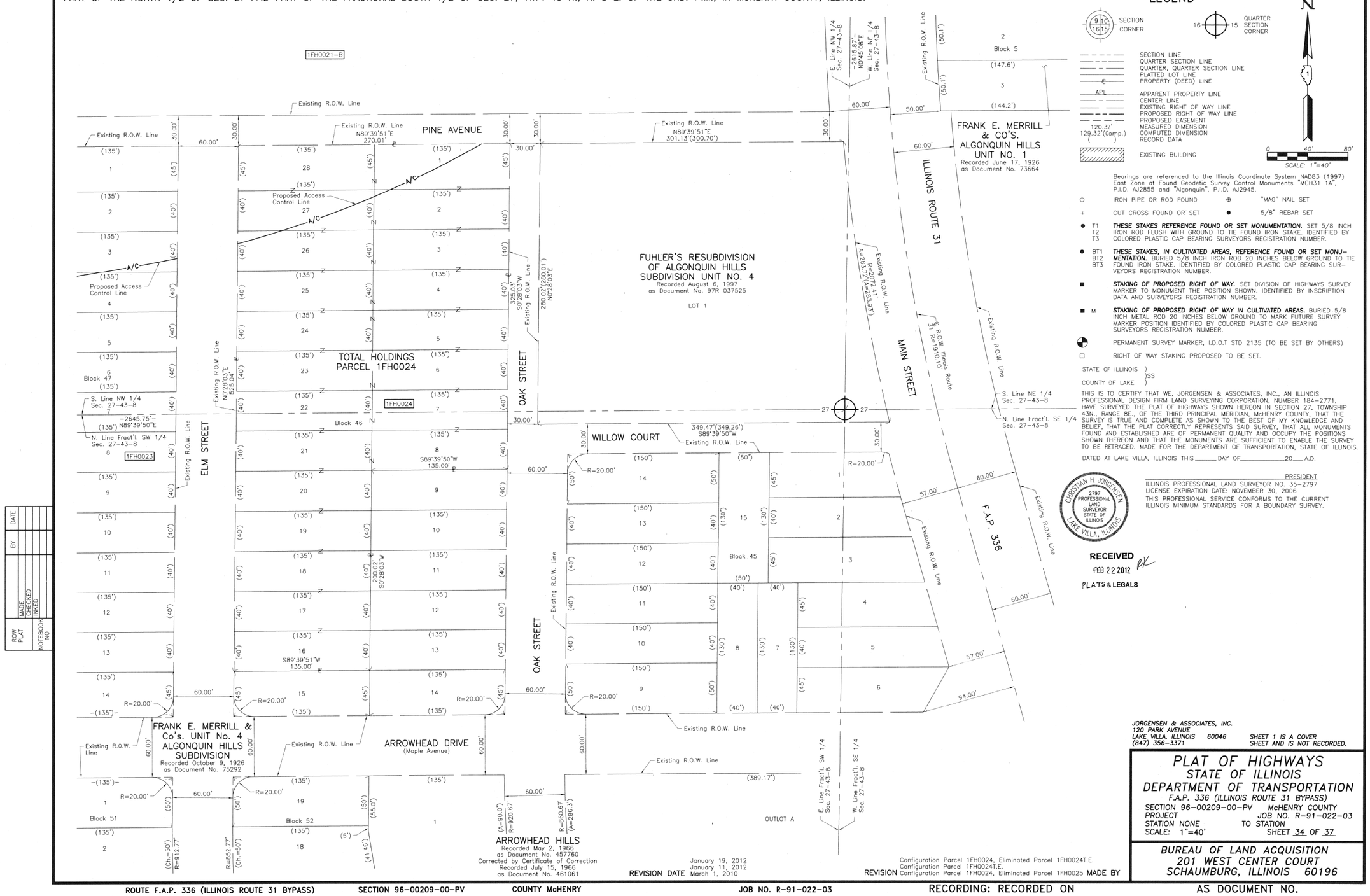
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 42 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	451
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE NORTH 1/2 OF SEC. 27 AND PART OF THE FRACTIONAL SOUTH 1/2 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 120.32' — MEASURED DIMENSION
- 129.32'(Comp.) — COMPUTED DIMENSION
- ( ) — RECORD DATA
- EXISTING BUILDING

N

0 40' 80'
SCALE: 1"=40'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1, T2, T3 — ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1, BT2, BT3 — ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ — ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M — ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ◔ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20___ A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

RECEIVED
FEB 22 2012 RK
PLATS & LEGALS

	DATE	BY	MADE / CHECKED / INKED	NOTEBOOK NO.
ROW PLAT				

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

REVISION DATE
January 19, 2012 Configuration Parcel 1FH0024, Eliminated Parcel 1FH0024T.E.
January 11, 2012 Configuration Parcel 1FH0024T.E.
March 1, 2010 Configuration Parcel 1FH0024, Eliminated Parcel 1FH0025 MADE BY

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION NONE TO STATION
SCALE: 1"=40' SHEET 34 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) | SECTION 96-00209-00-PV | COUNTY McHENRY | JOB NO. R-91-022-03 | RECORDING: RECORDED ON | AS DOCUMENT NO.

FILE NAME = ...\D160F72-sht-PH-43.dgn	USER NAME = akw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

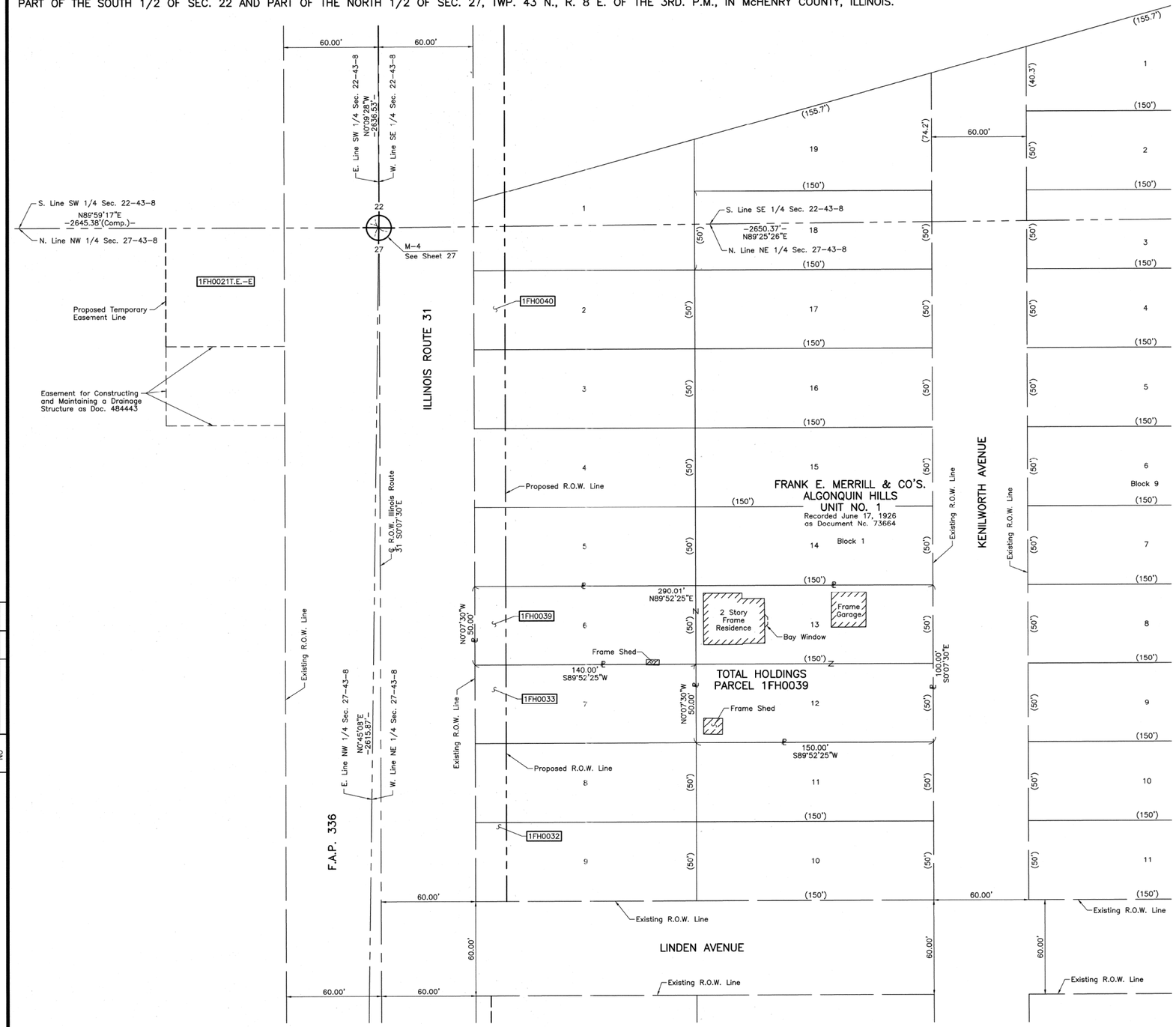
PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 43 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	452
		CONTRACT NO. 60F72		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

PART OF THE SOUTH 1/2 OF SEC. 22 AND PART OF THE NORTH 1/2 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 120.32' MEASURED DIMENSION
- 129.32'(Comp.) COMPUTED DIMENSION
- ( ) RECORD DATA
- EXISTING BUILDING

N

SCALE: 1"=30'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- O IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1, T2, T3 ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1, BT2, BT3 ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
}SS
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 22, TOWNSHIP 43N., RANGE 8E. AND SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 5th DAY OF March 20 12 A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

RECEIVED
MAY 02 2011
PLATS & LEGALS

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)

SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION NONE TO STATION
SCALE: 1"=30' SHEET 34A OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROW PLAT	BY	DATE
MADE		
CHECKED		
TRACED		
NOTEBOOK NO		

REVISION DATE June 19, 2010 REVISION Deleted Parcel 1FH0040 MADE BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME = ...\D160F72-sht-PH-44.dgn	USER NAME = okw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

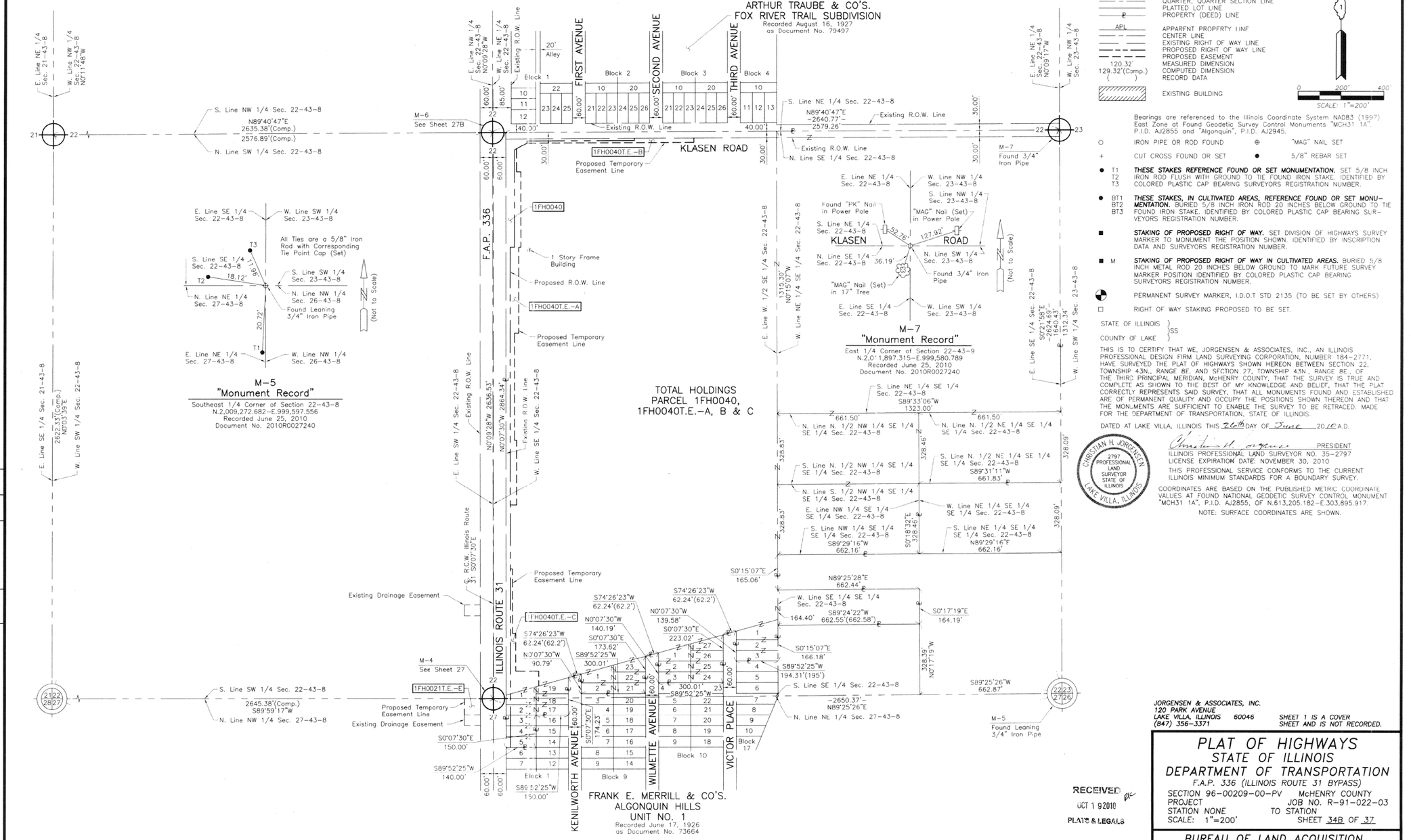
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 44 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	453
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE SOUTH 1/2 OF SEC. 22 AND PART OF THE NORTH 1/2 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 120.32' MEASURED DIMENSION
- (129.32'(Comp.)) COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1, T2, T3 ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- ⊕ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS } SS
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 22, TOWNSHIP 43N., RANGE 8E. AND SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MON..MENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 26th DAY OF June 20 10 A.D.

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND NATIONAL GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.

NOTE: SURFACE COORDINATES ARE SHOWN.

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION NONE TO STATION
SCALE: 1"=200' SHEET 34B OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

RECEIVED
OCT 1 92010
PLATS & LEGALS

ROW PLAT	NOTEBOOK NO	MADE	CHECKED	INKED	BY	DATE

REVISION DATE October 18, 2010 — REVISION Added Parcel 1FH0040T.E.-C — MADE BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) | SECTION 96-00209-00-PV | COUNTY McHENRY | JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME = ...\D160F72-sht-PH-45.dgn	USER NAME = okw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

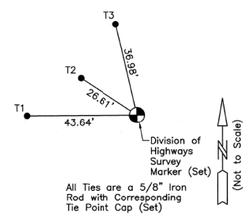
PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 45 OF 49 SHEETS | STA. | TO STA.

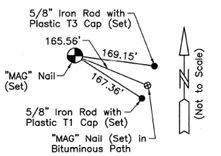
O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	McHENRY	825	454
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE EAST 1/2 OF SEC. 33 AND PART OF THE WEST 1/2 OF SEC. 34, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

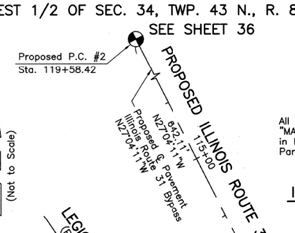
SEE SHEET 36



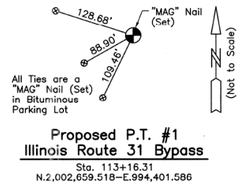
Proposed P.I. #6
Huntington Drive
Sta. 213+84.57
N.2,002,244.490–E.994,157.654

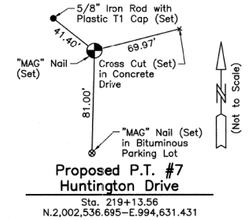


Proposed P.T. #6
Huntington Drive
Sta. 216+14.77
N.2,002,361.233–E.994,393.105

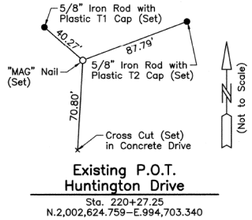


Proposed P.T. #1
Illinois Route 31 Bypass
Sta. 113+16.31
N.2,002,659.518–E.994,401.586

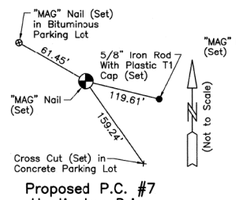




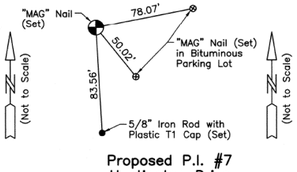
Proposed P.T. #7
Huntington Drive
Sta. 219+13.56
N.2,002,536.695–E.994,631.431



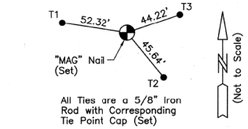
Existing P.O.T.
Huntington Drive
Sta. 220+27.25
N.2,002,624.759–E.994,703.340



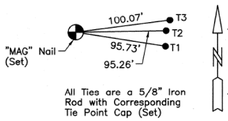
Proposed P.C. #7
Huntington Drive
Sta. 216+68.75
N.2,002,385.212–E.994,441.467



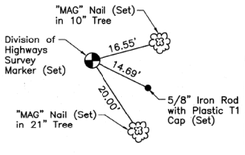
Proposed P.I. #7
Huntington Drive
Sta. 217+93.04
N.2,002,440.424–E.994,552.820



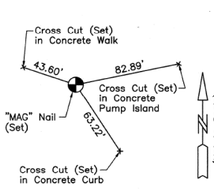
Proposed P.T. #5
Huntington Drive
Sta. 209+64.12
N.2,001,837.441–E.994,052.377



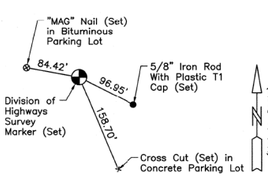
Proposed P.C. #6
Huntington Drive
Sta. 211+21.76
N.2,001,990.057–E.994,091.849



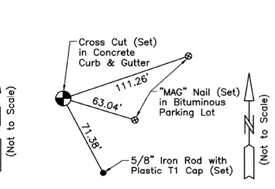
Proposed P.I. #5
Huntington Drive
Sta. 207+87.44
N.2,001,620.740–E.993,996.330



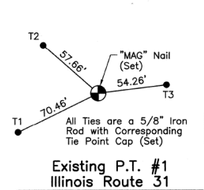
Proposed P.C. #1
Illinois Route 31 Bypass
Sta. 108+06.38
N.2,002,164.216–E.994,440.347



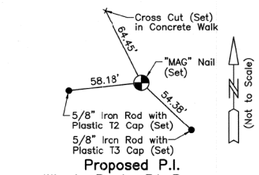
Proposed ℄ Illinois Route 31 Bypass
Proposed ℄ Huntington Drive
Sta. 110+46.75 Proposed ℄ Illinois Route 31 Bypass
Sta. 217+02.69 Proposed ℄ Huntington Drive
N.2,002,401.179–E.994,471.415



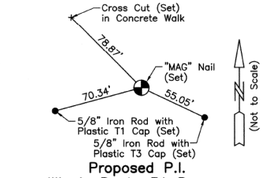
Proposed P.I. #1
Illinois Route 31 Bypass
Sta. 110+75.44
N.2,002,419.932–E.994,524.028



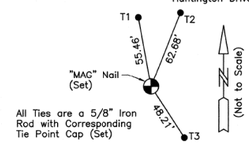
Existing P.T. #1
Illinois Route 31
Sta. 96+87.84
N.2,001,099.306–E.994,098.178



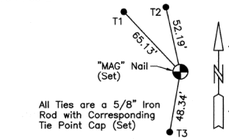
Proposed P.I.
Illinois Route 31 Bypass
Sta. 97+34.19
N.2,001,143.352–E.994,112.592



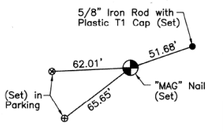
Proposed P.I.
Illinois Route 31 Bypass
Sta. 105+60.45
N.2,001,930.482–E.994,363.860



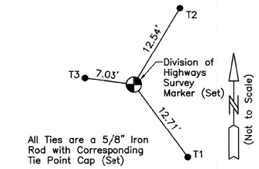
Existing P.O.T.
Huntington Drive
Sta. 205+28.08
N.2,001,567.896–E.993,742.409



Proposed P.C. #5
Huntington Drive
Sta. 205+63.61
N.2,001,575.135–E.993,777.194



Existing P.C. #1
Illinois Route 31
Sta. 86+51.47
N.2,000,078.692–E.994,083.332



Existing P.I. #1
Illinois Route 31
Sta. 91+85.97
N.2,000,591.309–E.993,931.941

Existing ℄ Pavement Illinois Route 31 Curve #1

P.I. = Sta. 91+85.97
Δ =34°34'25"
R = 1717.49'
T = 534.50'
L = 1036.37'
E = 81.25'
P.C. = Sta. 86+51.47
P.T. = Sta. 96+87.84

Proposed ℄ Pavement Illinois Route 31 Bypass Curve #1

P.I. = Sta. 110+75.44
Δ = 45°11'23"
R = 646.54'
T = 269.06'
L = 509.93'
E = 53.75'
P.C. = Sta. 108+06.38
P.T. = Sta. 113+16.31

Proposed ℄ Pavement Huntington Drive Curve #5

P.I. = Sta. 207+87.44
Δ = 63°44'35"
R = 360.00'
T = 223.83'
L = 400.51'
E = 63.91'
P.C. = Sta. 205+63.61
P.T. = Sta. 209+64.12

Proposed ℄ Pavement Huntington Drive Curve #6

P.I. = Sta. 213+84.57
Δ = 49°07'33"
R = 575.00'
T = 262.81'
L = 493.01'
E = 57.21'
P.C. = Sta. 211+21.76
P.T. = Sta. 216+14.77

Proposed ℄ Pavement Huntington Drive Curve #7

P.I. = Sta. 217+93.04
Δ = 24°23'35"
R = 575.03'
T = 124.29'
L = 244.81'
E = 13.28'
P.C. = Sta. 216+68.75
P.T. = Sta. 219+13.56

LEGEND

- SECTION CORNER (9|10 / 16|15)
- QUARTER SECTION CORNER (16 — 15)
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 120.32' — MEASURED DIMENSION
- 129.32'(Comp.) ( ) — COMPUTED DIMENSION / RECORD DATA
- EXISTING BUILDING

N

0 100' 200'

SCALE: 1"=100'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1, T2, T3 — ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1, BT2, BT3 — ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ — ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M — ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS } SS
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184–2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 8E. AND SECTION 34, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE FLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 14th DAY OF March 2011 A.D.

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35–2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182–E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

RECEIVED
MAY 02 2011
PLATS & LEGALS

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356–3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96–00209–00–PV McHENRY COUNTY
PROJECT JOB NO. R–91–022–03
STATION 86+51.47 TO STATION 116+00
STATION 205+28.08 TO STATION 220+27.25
SCALE: 1"=100' SHEET 35 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE February 14, 2010 REVISION Huntington Drive Alignment MADE BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96–00209–00–PV COUNTY McHENRY JOB NO. R–91–022–03 RECORDING: RECORDED ON AS DOCUMENT NO.

ROW PLAT	DATE			
	BY			
	MADE			
	CHECKED			
	INKED			
NOTEBOOK NO				

FILE NAME = ...\D160F72-sht-PH-46.dgn	USER NAME = akw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

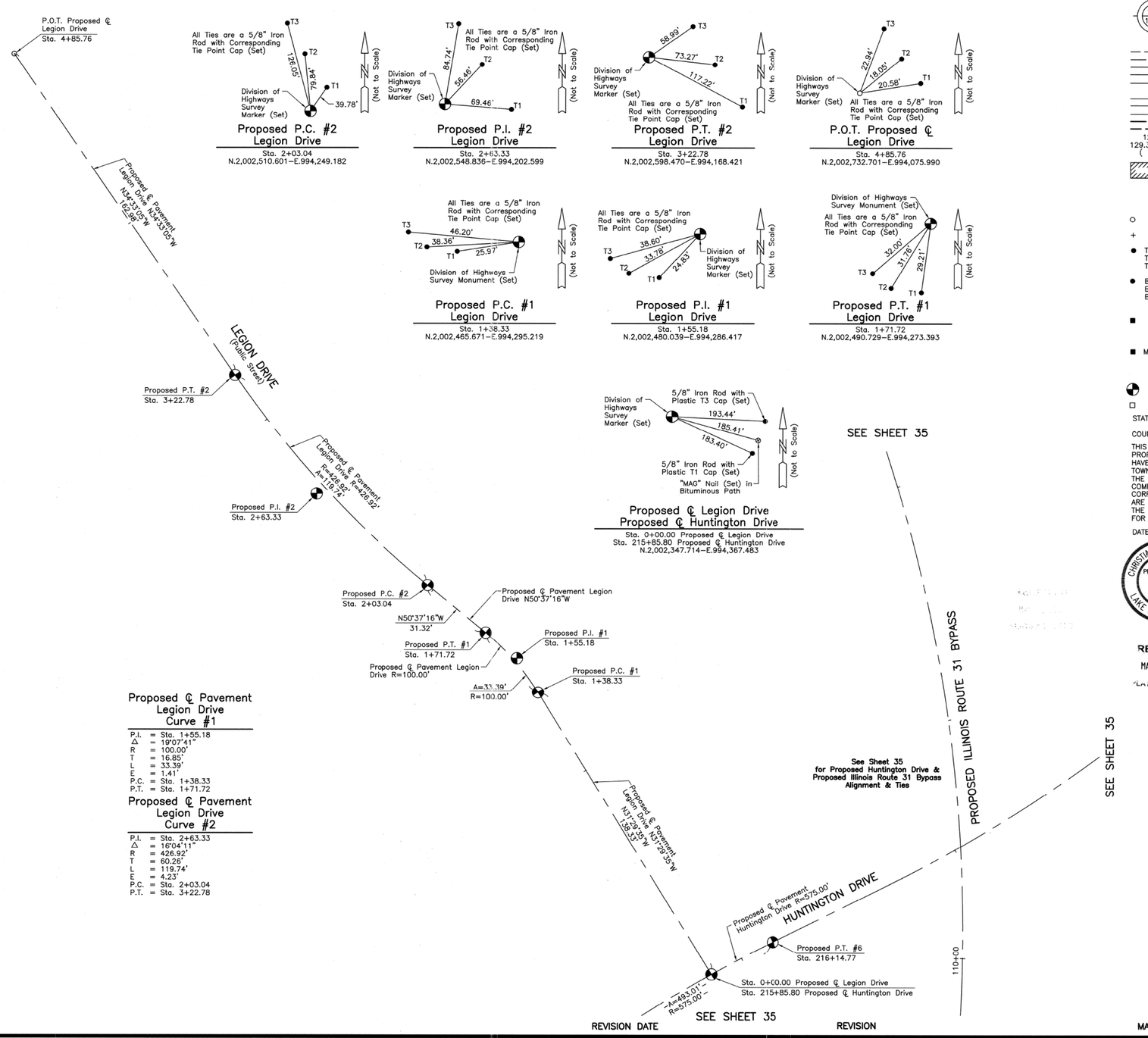
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 46 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	455
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE FRACTIONAL NW 1/4 OF SEC. 34, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



Proposed ℄ Pavement Legion Drive Curve #1

P.I. = Sta. 1+55.18
Δ = 19°07'41"
R = 100.00'
T = 16.85'
L = 33.39'
E = 1.41'
P.C. = Sta. 1+38.33
P.T. = Sta. 1+71.72

Proposed ℄ Pavement Legion Drive Curve #2

P.I. = Sta. 2+63.33
Δ = 16°04'11"
R = 426.92'
T = 60.26'
L = 119.74'
E = 4.23'
P.C. = Sta. 2+03.04
P.T. = Sta. 3+22.78

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- ℄ PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 120.32' MEASURED DIMENSION
- 129.32'(Comp.) COMPUTED DIMENSION
- ( ) RECORD DATA
- EXISTING BUILDING

0 20' 40'
SCALE: 1"=20'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1, T2, T3 ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1, BT2, BT3 ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS } SS
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184–2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 8E. AND SECTION 34, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 11th DAY OF March 2010 A.D.

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

Christian H. Jorgensen — PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35–2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182–E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

RECEIVED
MAY 02 2011
PLATS & LEGALS

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356–3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96–00209–00–PV McHENRY COUNTY
PROJECT JOB NO. R–91–022–03
STATION 0+00.00 TO STATION 4+85.76
SCALE: 1"=20' SHEET 35A OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROW PLAT	NOTEBOOK NO	MADE	CHECKED	TRACED	BY	DATE

REVISION DATE REVISION MADE BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96–00209–00–PV COUNTY McHENRY JOB NO. R–91–022–03 RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME = ...\D160F72-sht-PH-47.dgn	USER NAME = akw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

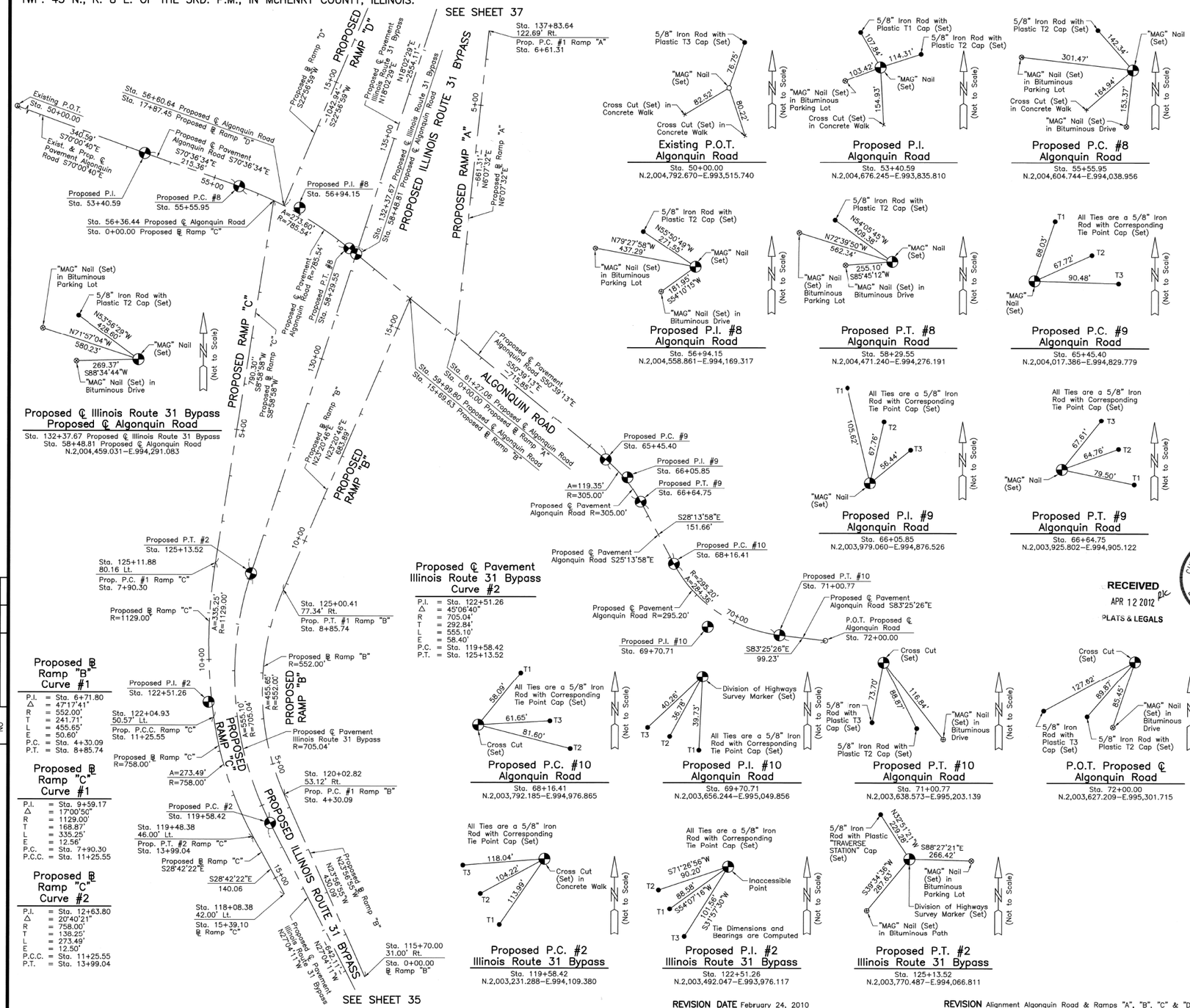
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 47 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	456
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF THE FRACTIONAL SW 1/4 OF SEC. 27, PART OF THE SE 1/4 OF SEC. 28, PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE FRACTIONAL NW 1/4 OF SEC. 34, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 120.32' MEASURED DIMENSION
- 129.32'(Comp.) COMPUTED DIMENSION
- ( ) RECORD DATA
- EXISTING BUILDING

N

SCALE: 1"=100'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1, T2, T3 ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1, BT2, BT3 ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS } SS
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184–2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 27, TOWNSHIP 43N., RANGE 8E. AND SECTION 33, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 3rd DAY OF May 2005 A.D.

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35–2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182–E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

RECEIVED APR 12 2012 DLC PLATS & LEGALS

Proposed ℄ Pavement Algonquin Road Curve #8
P.I. = Sta. 56+94.15
Δ = 19°57'21"
R = 785.54'
T = 138.20'
L = 273.60'
E = 12.06'
P.C. = Sta. 55+55.95
P.T. = Sta. 58+29.55

Proposed ℄ Pavement Algonquin Road Curve #9
P.I. = Sta. 66+05.85
Δ = 22°25'15"
R = 305.00'
T = 60.45'
L = 119.35'
E = 5.93'
P.C. = Sta. 65+45.40
P.T. = Sta. 66+64.75

Proposed ℄ Pavement Algonquin Road Curve #10
P.I. = Sta. 69+70.71
Δ = 55°11'28"
R = 295.20'
T = 154.30'
L = 284.36'
E = 37.89'
P.C. = Sta. 68+16.41
P.T. = Sta. 71+00.77

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356–3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96–00209–00–PV McHENRY COUNTY
PROJECT JOB NO. R–91–022–03
STATION 50+00.00 TO STATION 72+00.00
STATION 116+00 TO STATION 138+00
SCALE: 1"=100' SHEET 36 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96–00209–00–PV COUNTY McHENRY JOB NO. R–91–022–03

REVISION DATE February 24, 2010 REVISION Alignment Algonquin Road & Ramps "A", "B", "C" & "D" MADE BY

RECORDING: RECORDED ON AS DOCUMENT NO.

ROW PLAT MADE CHECKED INKED NOTEBOOK NO | DATE | BY

FILE NAME = ...\D160F72-sht-PH-48.dgn	USER NAME = ekw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

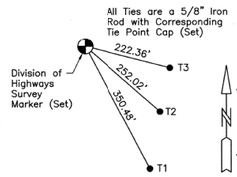
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

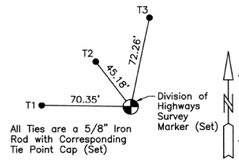
PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 48 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	456A
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PART OF SEC. 22, PART OF THE FRACTIONAL SW 1/4 OF SEC. 27 AND PART OF THE NORTH 1/2 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



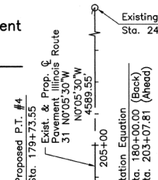


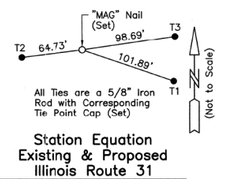
Proposed ℄ Pavement Quarry Access Curve #12

P.I. = Sta. 61+60.40
Δ = 62°22'43"
R = 280.02'
T = 169.51'
L = 304.86'
E = 47.31'
P.C. = Sta. 59+90.89
P.T. = Sta. 62+95.75

Proposed ℄ Pavement Quarry Access Curve #13

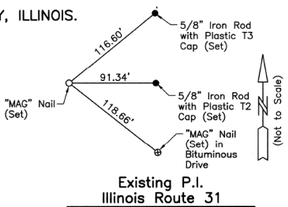
P.I. = Sta. 63+99.57
Δ = 72°07'00"
R = 112.01'
T = 81.55'
L = 140.98'
E = 26.54'
P.C. = Sta. 63+18.02
P.T. = Sta. 64+59.00





Station Equation
Existing & Proposed Illinois Route 31

Sta. 180+00.00 (Back)
Sta. 203+07.81 (Ahead)
N.2,007,856.836–E.996,949.507

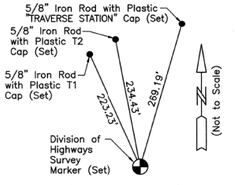


Existing P.I. Illinois Route 31

Sta. 248+97.36
N.2,012,446.378–E.996,942.167

Proposed P.C. #3 Illinois Route 31 Bypass

Sta. 150+67.63
N.2,006,199.016–E.994,857.831



Proposed P.I. #3 Illinois Route 31 Bypass

Sta. 156+26.02
N.2,006,729.948–E.995,030.766

Proposed ℄ Pavement Illinois Route 31 Bypass Curve #3

P.I. = Sta. 156+26.02
Δ = 62°30'28"
R = 920.05'
T = 558.39'
L = 1003.75'
E = 156.19'
P.C. = Sta. 150+67.63
P.T. = Sta. 160+71.38

Proposed ℄ Pavement Illinois Route 31 Bypass Curve #4

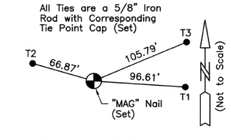
P.I. = Sta. 174+59.45
Δ = 80°38'27"
R = 920.05'
T = 780.83'
L = 1294.93'
E = 286.67'
P.C. = Sta. 166+78.62
P.T. = Sta. 179+73.55

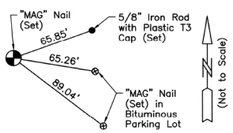
Proposed P.T. #3 Illinois Route 31 Bypass

Sta. 160+71.38
N.2,006,821.635–E.995,581.574

Proposed P.T. #4 Illinois Route 31 Bypass

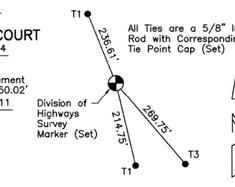
Sta. 179+73.55
N.2,007,830.380–E.996,949.549





Proposed P.I. #4 Illinois Route 31 Bypass

Sta. 174+59.45
N.2,007,049.556–E.996,950.798



Proposed P.C. #4 Illinois Route 31 Bypass

Sta. 166+78.62
N.2,006,921.344–E.996,180.571

Proposed ℄ Pavement Quarry Access Curve #1

QUARRY ACCESS

Existing P.O.T.
Sta. 70+00.11

Existing ℄ Pavement Access N35°57'56"W

Proposed ℄ Pavement Quarry Access R=2.01'
N35°57'56"W
54.17'

Proposed P.T. #12
Sta. 62+95.75

Proposed P.I. #12
Sta. 61+60.40

Proposed ℄ Pavement Quarry Access R=280.02'

Proposed P.T. #13
Sta. 64+59.00

A=140.98'
R=112.01'

Proposed P.I. #13
Sta. 63+99.57

Proposed P.C. #13
Sta. 63+18.02

A=304.86'
R=280.02'
S71°35'20"W
22.27'

Proposed P.C. #12
Sta. 59+90.89

See Sheet 23 for Alignment of Frontage Road & Greenwood Court

Proposed ℄ Pavement Illinois Route 31 Bypass
A=1294.93'
R=920.05'
175+00

Proposed ℄ Pavement Frontage Road

Sta. 173+18.57 Proposed ℄ Illinois Route 31 Bypass
Sta. 58+68.12 Prop. ℄ Main Street/Prop. ℄ Quarry Access

N45°46'25"W
267.00'

Proposed P.I. #11
Sta. 56+27.43

GREENWOOD COURT

Proposed P.I. #4
Sta. 174+59.45

Proposed ℄ Pavement Main Street R=350.02'

Proposed P.C. #11
Sta. 55+25.47

Proposed ℄ Pavement Quarry Access N45°46'25"W

Proposed ℄ Pavement Main Street N45°46'25"W

Proposed P.I. #11
Sta. 57+23.89

A=198.42'
R=350.02'

Proposed ℄ Pavement Illinois Route 31 Bypass
N80°32'57"E
607.24'
165+00

Proposed P.C. #4
Sta. 166+78.62

170+00

Proposed ℄ Pavement Main Street N13°13'36"W

PROPOSED MAIN STREET

Existing P.O.T.
Sta. 50+00.00

Proposed P.I. #3
Sta. 156+26.02

Proposed ℄ Pavement Illinois Route 31 Bypass R=920.05'

R=920.05'
A=1003.75'
155+00

Sta. 150+98.93
81.32' Rt.
Prop. P.C. #2 Ramp "A"
Sta. 19+76.46

Proposed P.C. #3
Sta. 150+67.63

Sta. 150+70.41
39.50' Lt.
Sta. 0+00.00
℄ Ramp "D"

A=898.82'
R=822.20'
Proposed ℄ Ramp "A" R=822.20'

Proposed ℄ Ramp "A"
N79°24'12"E
200.17'

Sta. 160+61.60
48.95' Rt.
Prop. P.T. #2 Ramp "A"
Sta. 28+75.28

Sta. 162+62.25
45.00' Rt.
Sta. 30+75.45
Prop. ℄ Ramp "A"

160+00

Proposed ℄ Ramp "A"
N16°46'06"E
N16°46'06"E
166.46

Sta. 149+29.74
85.50' Rt.
Prop. P.I. Ramp "A"
Sta. 18+10.00

92.91'
72.64'
92.77'
"MAG" Nail (Set)
All Ties are a "MAG" Nail (Set) in Bituminous Parking Lot
(Not to Scale)

"MAG" Nail (Set) in Bituminous Parking Lot
75.69'
79.04'
87.82'
5/8" Iron Rod with Plastic T2 Cap (Set)
5/8" Iron Rod with Plastic T1 Cap (Set)
(Not to Scale)

5/8" Iron Rod with Plastic T3 Cap (Set)
110.28'
113.21'
133.28'
Division of Highways Survey Marker (Set)
"MAG" Nail (Set) in Bituminous Parking Lot
(Not to Scale)

Division of Highways Survey Marker (Set)
5/8" Iron Rod with Plastic T3 Cap (Set)
190.97'
232.80'
205.56'
"MAG" Nail (Set) in Bituminous Parking Lot
(Not to Scale)

Existing P.O.T. Main Street

Sta. 50+00.00
N.2,006,446.665–E.997,047.742

Proposed P.C. #11 Main Street

Sta. 55+25.47
N.2,006,958.052–E.996,926.919

Proposed P.I. #11 Main Street

Sta. 56+27.43
N.2,007,057.276–E.996,903.476

Proposed P.T. #11 Main Street

Sta. 57+23.89
N.2,007,128.390–E.996,830.414

Sta. 143+27.83
91.44' Lt.
Prop. P.I. Ramp "D"
Sta. 7+44.51

10+00

PROPOSED RAMP "D"

PROPOSED ILLINOIS ROUTE 31 BYPASS

145+00

PROPOSED RAMP "A"

15+00

Proposed ℄ Ramp "A"
N18°02'29"E

Sta. 141+40.02
85.50' Rt.
Prop. P.T. #1 Ramp "A"
Sta. 10+20.27

Proposed ℄ Ramp "D"
S22°02'29"W
744.57'

Proposed ℄ Ramp "D"
S22°56'59"W
1042.84'

A=358.96'
R=1726.00'

Proposed ℄ Ramp "A"
R=1714.10'

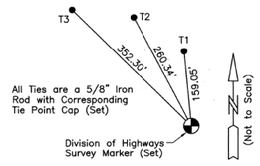
Sta. 137+83.64
122.69' Rt.
Prop. P.C. #1 Ramp "A"
Sta. 6+61.31

5+00

Proposed ℄ Ramp "A"
N6°07'32"E

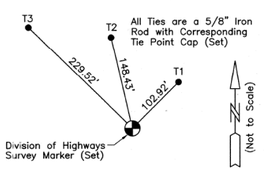
Proposed ℄ Pavement Illinois Route 31 Bypass
N18°02'29"E
135+00

SEE SHEET 36



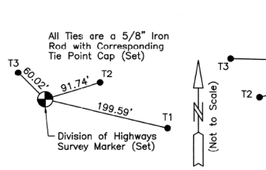
Proposed ℄ Illinois Route 31 Bypass Proposed ℄ Main Street — Proposed ℄ Quarry Access

Sta. 173+18.57 Proposed ℄ Illinois Route 31 Bypass
Sta. 58+68.12 Prop. ℄ Main Street/Prop. ℄ Quarry Access
N.2,007,228.990–E.996,727.061



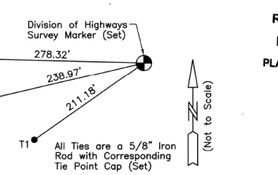
Proposed P.C. #12 Quarry Access

Sta. 59+90.89
N.2,007,314.625–E.996,639.081



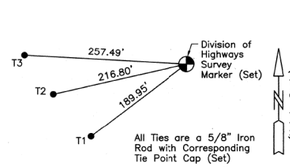
Proposed P.I. #12 Quarry Access

Sta. 61+60.40
N.2,007,432.859–E.996,517.610



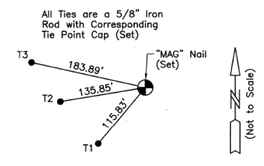
Proposed P.T. #12 Quarry Access

Sta. 62+95.75
N.2,007,380.049–E.996,356.535



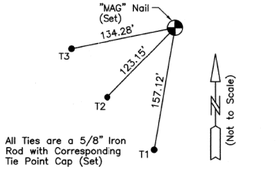
Proposed P.C. #13 Quarry Access

Sta. 63+18.02
N.2,007,373.015–E.996,335.402



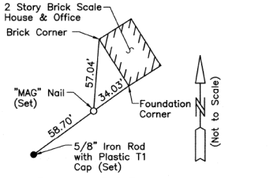
Proposed P.I. #13 Quarry Access

Sta. 63+99.57
N.2,007,347.702–E.996,257.878



Proposed P.T. #13 Quarry Access

Sta. 64+59.00
N.2,007,413.707–E.996,209.982



Existing P.O.T. Quarry Access

Sta. 70+00.11
N.2,007,851.662–E.995,892.183

Proposed ℄ Pavement Frontage Road

Sta. 173+18.57 Proposed ℄ Illinois Route 31 Bypass
Sta. 58+68.12 Prop. ℄ Main Street/Prop. ℄ Quarry Access
N45°46'25"W
267.00'

Proposed P.I. #11
Sta. 56+27.43

GREENWOOD COURT

Proposed P.I. #4
Sta. 174+59.45

Proposed ℄ Pavement Main Street R=350.02'

Proposed P.C. #11
Sta. 55+25.47

Proposed ℄ Pavement Main Street N13°13'36"W

Proposed P.T. #11
Sta. 57+23.89

A=198.42'
R=350.02'

Existing P.O.T.
Sta. 50+00.00

PROPOSED MAIN STREET

Proposed ℄ Pavement Main Street Curve #11

P.I. = Sta. 56+27.43
Δ = 32°28'49"
R = 350.02'
T = 101.96'
L = 198.42'
E = 14.55'
P.C. = Sta. 50+25.47
P.T. = Sta. 57+23.89

Proposed ℄ Ramp "A" Curve #1

P.I. = Sta. 8+41.44
Δ = 11°54'57"
R = 1726.00'
T = 180.13'
L = 358.96'
E = 9.37'
P.C. = Sta. 6+61.31
P.T. = Sta. 10+20.27

Proposed ℄ Ramp "A" Curve #2

P.I. = Sta. 24+76.71
Δ = 62°38'06"
R = 822.20'
T = 500.25'
L = 898.82'
E = 140.22'
P.C. = Sta. 19+76.46
P.T. = Sta. 28+75.28

LEGEND

- 9 10 / 16 15 SECTION CORNER
- 16 — 15 QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- ℄ PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 120.32' MEASURED DIMENSION
- 129.32'(Comp.) COMPUTED DIMENSION
- ( ) RECORD DATA
- EXISTING BUILDING

N

SCALE: 1"=200'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1, T2, T3 ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1, BT2, BT3 ***THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.*** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ◐ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS } SS
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184–2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 22, TOWNSHIP 43N., RANGE 8E. AND SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 3rd DAY OF May 2011 A.D.

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35–2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

CHRISTIAN H. JORGENSEN 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182–E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

RECEIVED
MAY 02 2011
PLATS & LEGALS

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356–3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)

SECTION 96–00209–00–PV McHENRY COUNTY
PROJECT JOB NO. R–91–022–03
STATION 50+00.00 TO STATION 70+00.11
STATION 133+00 TO STATION 248+97.36
SCALE: 1"=200' SHEET 37 OF 37

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROW PLAT	DATE
	BY
MADE	
CHECKED	
INKED	
NOTEBOOK NO	

REVISION DATE February 24, 2010
REVISION Alignment Ramps "A" & "B"
MADE BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96–00209–00–PV COUNTY McHENRY JOB NO. R–91–022–03

RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME = ...\D160F72-sht-PH-49.dgn	USER NAME = akw	DESIGNED -	REVISED -
		DRAWN - JORGENSEN & ASSOC.	REVISED -
	PLOT SCALE = 70.0000 ' / in.	CHECKED - CJ	REVISED -
	PLOT DATE = 5/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: GRAPHIC | SHEET NO. 49 OF 49 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	457
		CONTRACT NO. 60F72		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

O.R. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2		MCHENRY	825	458
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 60F72		

VOLUME III

FOR INDEX OF SHEETS, SEE SHEET NO. 459

SUBSURFACE UTILITY ENGINEERING (S.U.E.)
UTILIZED ON THIS PROJECT

PROJECT LOCATED IN THE
VILLAGE OF ALGONQUIN

DESIGN DESIGNATION

34,000(30) OTHER PRINCIPAL ARTERIAL 6.03 (PCC–20)

TRAFFIC DATA

	ADT (2030)	DESIGN SPEED	POSTED SPEED
IL ROUTE 31 (EDGEWOOD DRIVE TO HUNTINGTON DRIVE)	26,000	40 MPH	35 MPH
IL ROUTE 31 (HUNTINGTON DRIVE TO IL ROUTE 62)	16,000	40 MPH	40 MPH
IL ROUTE 31 (IL ROUTE 62 TO CARY–ALGONQUIN ROAD)	34,000	50 MPH	45 MPH
IL ROUTE 31 (CARY–ALGONQUIN ROAD TO KLASEN ROAD)	43,000	50 MPH	45 MPH
EDGEWOOD DRIVE	9,000	35 MPH	30 MPH
HUNTINGTON DRIVE	7,000	35 MPH	30 MPH
IL ROUTE 62 (EAST OF PROPOSED IL ROUTE 31)	48,000	35 MPH	30 MPH
IL ROUTE 62 (WEST OF PROPOSED IL ROUTE 31)	32,000	35 MPH	30 MPH

0 100′ 200′ 300′ — 1″ = 100′
0 10′ 20′ 30′ — 1″ = 10′
0 50′ 100′ — 1″ = 50′
0 50′ 100′ — 1″ = 40′
0 50′ 100′ — 1″ = 30′
0 50′ 100′ — 1″ = 20′

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1–800–892–0123
OR 811

DISTRICT ONE – DESIGN
PROJECT MANAGER: ISAAC KWARTENG (847) 705–4230
PROJECT ENGINEER: ALIX BRICE (847) 705–4552

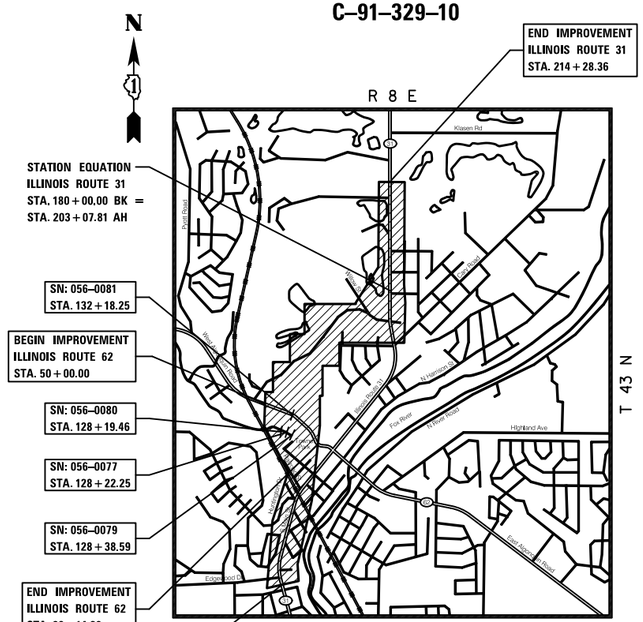
CONTRACT NO. 60F72

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

O.R. ROUTE 0003 (ALGONQUIN BYPASS)
SECTION 18A–2
ILLINOIS ROUTE 31 (N. JCT) TO ILLINOIS ROUTE 31 (S. JCT)
PROJECT NO.:
NEW CONSTRUCTION, BRIDGE (NEW), RETAINING WALL
McHENRY COUNTY

C–91–329–10



ALGONQUIN TOWNSHIP
LOCATION MAP
NOT TO SCALE

GROSS LENGTH = 11,153.55 FT. = 2.112 MILES
NET LENGTH = 11,153.55 FT. = 2.112 MILES

D–91–329–10

LOCATION OF SECTION INDICATED THUS: –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED _____ 20 _____

_____
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

_____ 20 _____

_____
ENGINEER OF DESIGN AND ENVIRONMENT

_____ 20 _____

_____
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PLANS PREPARED BY: _____

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www.civiltechinc.com

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816 - 825	CROSS SECTIONS - MCCD PRAIRIE PATH

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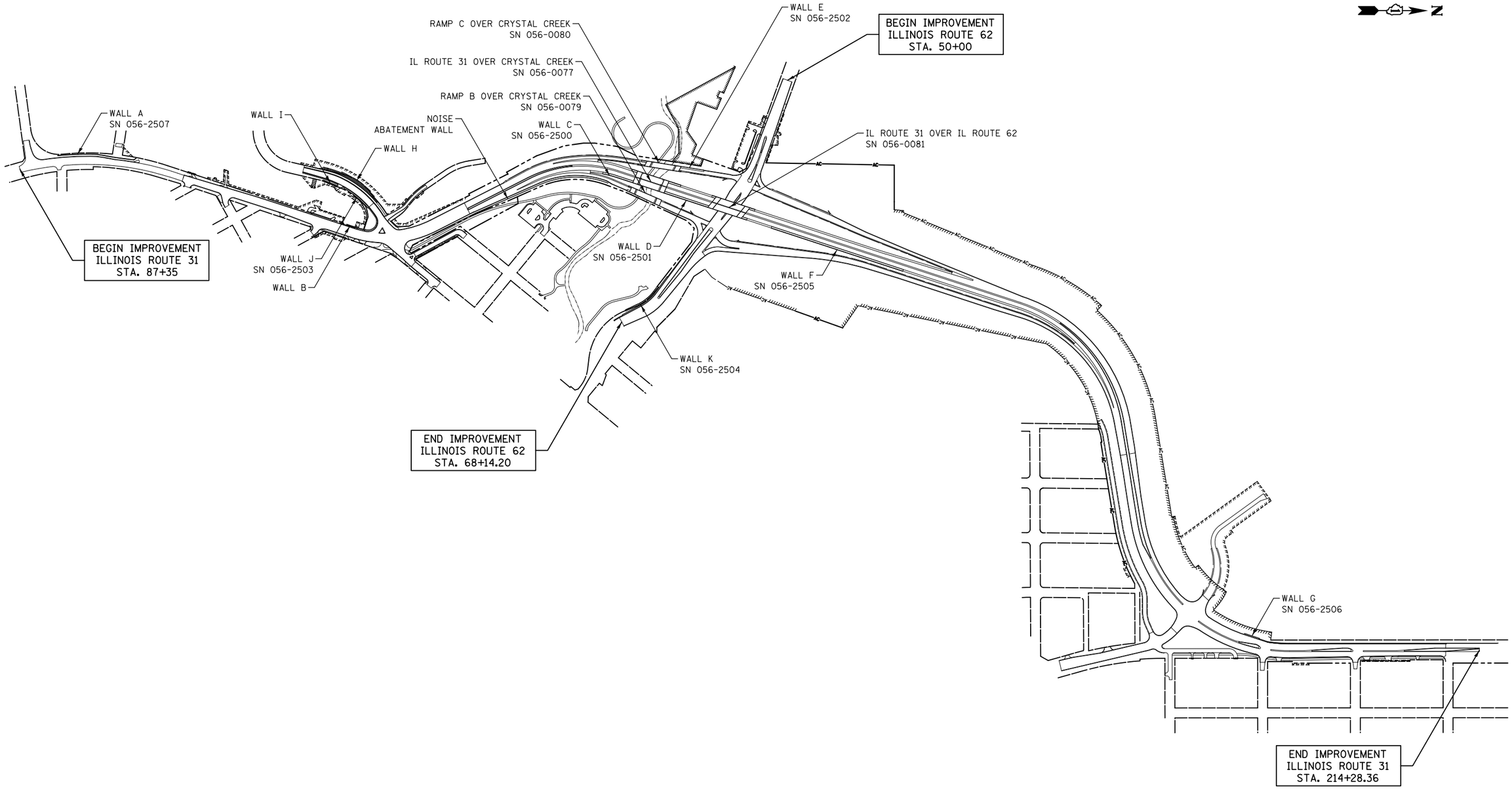
		DRAWN - CTB	REVISED -
	PLOT SCALE = 1.0000 ' / in.	CHECKED - GAB	REVISED -
	PLOT DATE = 5/2/2012	DATE - 3/23/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

SCALE: | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	459
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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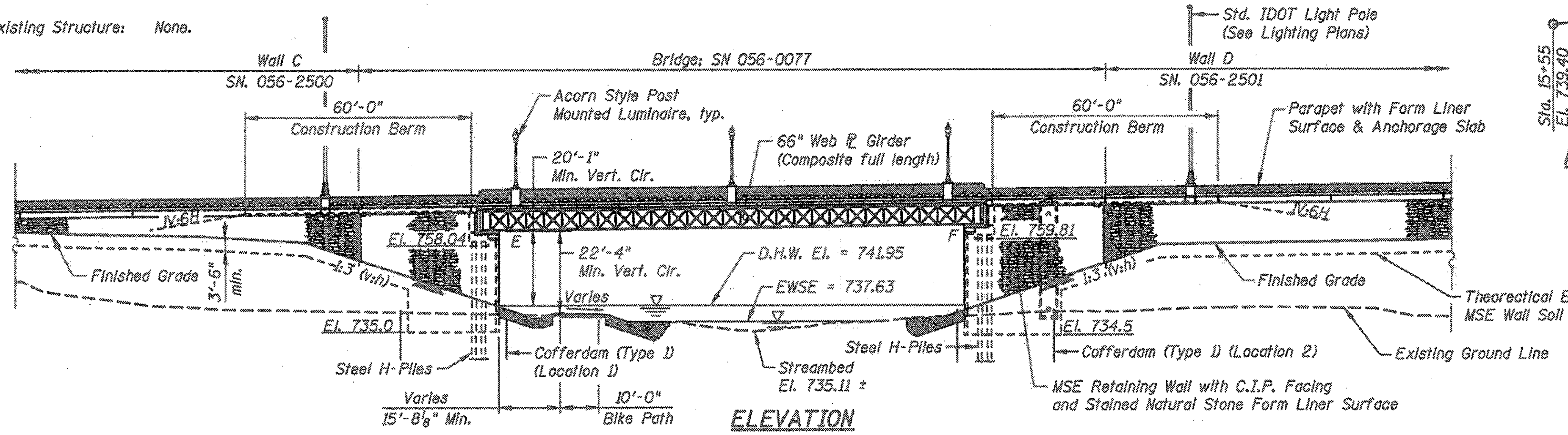
		DRAWN - CTB	REVISED -			860	18A-2	MCHENRY	825	460
	PLOT SCALE = 300.0000 ' / in.	CHECKED - GAB	REVISED -						CONTRACT NO. 60F72	
	PLOT DATE = 5/2/2012	DATE - 05-12-2011	REVISED -		SCALE: 1" = 300' SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

Benchmark: Iron Rod in gravel lot, IL Rte 31 Bypass Station 130+65.81, offset 223.58 feet Right; Elev. 746.15.

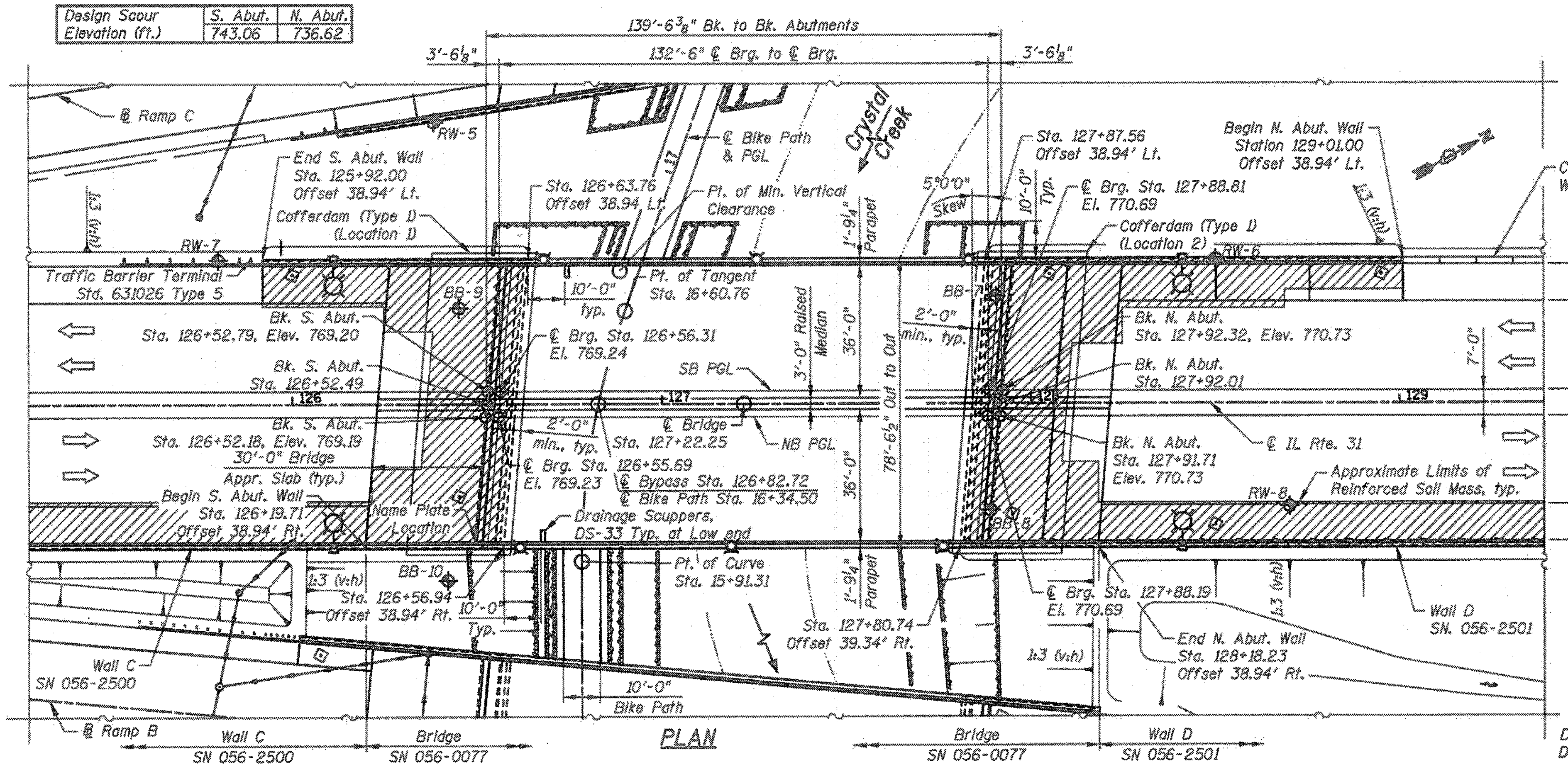
Existing Structure: None.



ELEVATION
(Looking West)

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	S. Abut.	N. Abut.
	743.06	736.62



PLAN

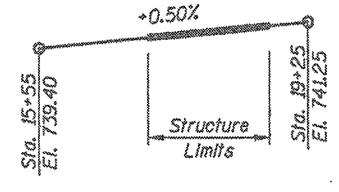
WATERWAY INFORMATION

Drainage Area = 26.5 Square Miles			Low Grade Elev.765.75 @ Sta. 13+17.53						
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	1469	-	329.0	740.99	-	0.00	740.99	740.99
Design	50	2647	-	436.2	741.95	-	0.17	741.95	742.12
Base	100	3518	-	504.5	742.55	-	0.37	742.55	742.92
Overtopping									
Max. Calc.	500	5209	-	611.3	743.48	-	0.82	743.48	744.30

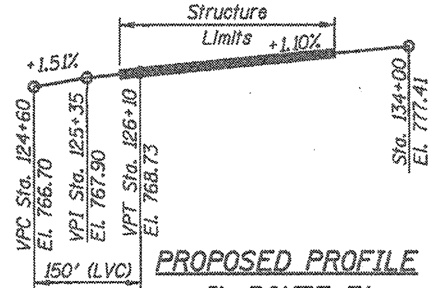
⊡ Settlement Platforms
Sta. 128+95, 35-ft. Left
Sta. 128+05, 35-ft. Left
Sta. 127+95, 30-ft. Right
Sta. 126+00, 35-ft. Left
Sta. 126+45, 25-ft. Right

Settlement platforms shall be erected in accordance with article 204.06 except that the platforms shall be placed at the bottom of the MSE soil mass. Cost shall be included in the cost of Mechanically Stabilized Earth Retaining Wall.

Note:
MSE Abutment wall offsets are measured to the front face of the MSE wall from the ℄ IL Rte 31.



PROPOSED PROFILE BIKE PATH



PROPOSED PROFILE IL ROUTE 31

CURVE DATA
Bike Path
Δ = 19°53'40.97" (Rt.)
D = 28°38'52.40"
T = 35.08'
L = 69.45'
E = 3.05'
R = 200.0'
S.E. = 2.0%
P.C. = Sta. 15+91.31
P.T. = Sta. 16+60.76
P.I. = Sta. 16+26.39

CURVE DATA
Bypass Mainline
Δ = 45°06'40"
D = 8°07'36"
T = 292.84'
L = 555.10'
E = 58.40'
R = 705.04'
P.C. = Sta. 119+58.42
P.T. = Sta. 125+13.52
P.I. = Sta. 122+51.26
S.E. = 4.0%
End S.E. = Sta. 124+47.00 (SB)
Sta. 124+70.00 (NB)
N.C. = Sta. 126+50.00 (SB)
Sta. 125+34.00 (NB)

APPROVED
For Structural Adequacy Only
Engineer of Bridges & Structures

CIVILTECH ENGINEERING, INC.
GREGORY J. HATLESTAD, S.E.

GREGORY J. HATLESTAD, S.E.
081-005562
EXP 11/30/12
DATE 3/5/12

STATION 127+22.25
BUILT 201_ BY
STATE OF ILLINOIS
O.R. 0003 SEC. 18A-2
LOADING HL-93
STRUCTURE NO. 056-0077

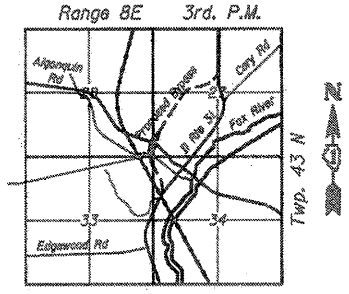
NAME PLATE
See Std. 515001

DESIGN SPECIFICATIONS
2010 AASHTO LRFD Bridge Design Specifications with 2010 Interims

DESIGN STRESSES
FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (AASHTO M270 Gr. 50 - Main Girders)
fy = 36,000 psi (AASHTO M270 Gr. 36 - Secondary)

LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.

SEISMIC DATA
Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.142
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.081
Soil Site Class = D



LOCATION SKETCH

GENERAL PLAN & ELEVATION
IL RTE 31 OVER CRYSTAL CREEK
O.R. 0003 SECTION 18A-2
McHENRY COUNTY
STATION 127+22.25
STRUCTURE NO. 056-0077

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DRAWN - M. LANGE	REVISED -
DESIGNED - D. ATKINS	REVISED -
CHECKED - G. HATLESTAD	REVISED -
DATE - 3/23/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA1 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	461
CONTRACT NO. 60F72				

ILLINOIS FED. AID PROJECT

GENERAL NOTES

1. Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $\frac{7}{8}$" in. ϕ, holes $\frac{15}{16}$" in. ϕ, unless otherwise noted.

2. Calculated weight of Structural Steel = 352,450 lbs (AASHTO M270 GR. 50)
   Calculated weight of Structural Steel = 28,930 lbs (AASHTO M270 GR. 36)

3. No field welding is permitted except as specified in the contract documents.

4. Reinforcement bars designated (E) shall be epoxy coated.

5. If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.

6. Concrete Sealer shall be applied to the designated areas of the backwalls and bridge seats of the abutments.

7. The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception that masked off connection surfaces, field installed fasteners and damaged areas shall be touched up in the field. The color of the final finish coat for all steel surfaces shall be Gray, Munsell No. 5B 7/1.

8. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

9. Slipforming of the parapets is not allowed.

10. Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

11. Neither the MSE wall cast-in-place concrete facing, anchorage slab & parapet, approach slabs, nor approach roadway pavements shall be constructed until after the roadway embankment and reinforced select fill have been in place for $7\frac{1}{2}$ months, after which time less than 1 inch of the total anticipated $5\frac{3}{4}$ inches settlement is assumed to remain, without the prior approval of the Engineer. The settlement period may be shortened at the discretion of the Engineer if the monitoring data indicates a lesser than predicted settlement.

INDEX OF SHEETS

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL	
Stone Riprap, Class A5	Sq. Yd.	-	646	646	
Filter Fabric	Sq. Yd.	-	646	646	
Cofferdam Excavation	Cu. Yd.	-	970	970	
Cofferdam (Type 1) (Location 1)	Each	-	1	1	
Cofferdam (Type 1) (Location 2)	Each	-	1	1	
Concrete Structures	Cu. Yd.	-	226.9	226.9	
Concrete Superstructures	Cu. Yd.	669.2	-	669.2	1
Bridge Deck Grooving	Sq. Yd.	1,587	-	1,587	
Form Liner Textured Surface	Sq. Ft.	-	6,979	6,979	
Protective Coat	Sq. Yd.	2,033	-	2,033	
Furnishing and Erecting Structural Steel	L. Sum	0.32	-	0.32	
Stud Shear Connectors	Each	2,130	-	2,130	
Reinforcement Bars, Epoxy Coated	Pound	149,340	22,880	172,220	1
Bar Splicers	Each	-	154	154	
Furnishing Steel Piles HP 14X73	Foot	-	3,900	3,900	
Driving piles	Foot	-	3,900	3,900	
Test Pile Steel HP 14x73	Each	-	2	2	
Pile Shoes	Each	-	52	52	
Name Plates	Each	1	-	1	
Preformed Joint Strip Seal	Foot	157	-	157	
Elastomeric Bearing Assembly, Type I	Each	10	-	10	
Anchor Bolts, 1"	Each	20	-	20	
Anchor Bolts, $1\frac{1}{4}$"	Each	20	-	20	
Concrete Sealer	Sq. Ft.	-	1,307	1,307	
Geocomposite Wall Drain	Sq. Yd.	-	54	54	
Parapet Railing, Special	Foot	270	-	270	
Drainage Scuppers, DS-33	Each	2	-	2	
Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	-	9,311	9,311	
Staining Concrete Structures	Sq. Yd.	-	775	775	
Form Liner Textured Surface, Special	Sq. Ft.	676	-	676	
Ornamental Aluminum Lattice	Foot	265	-	265	

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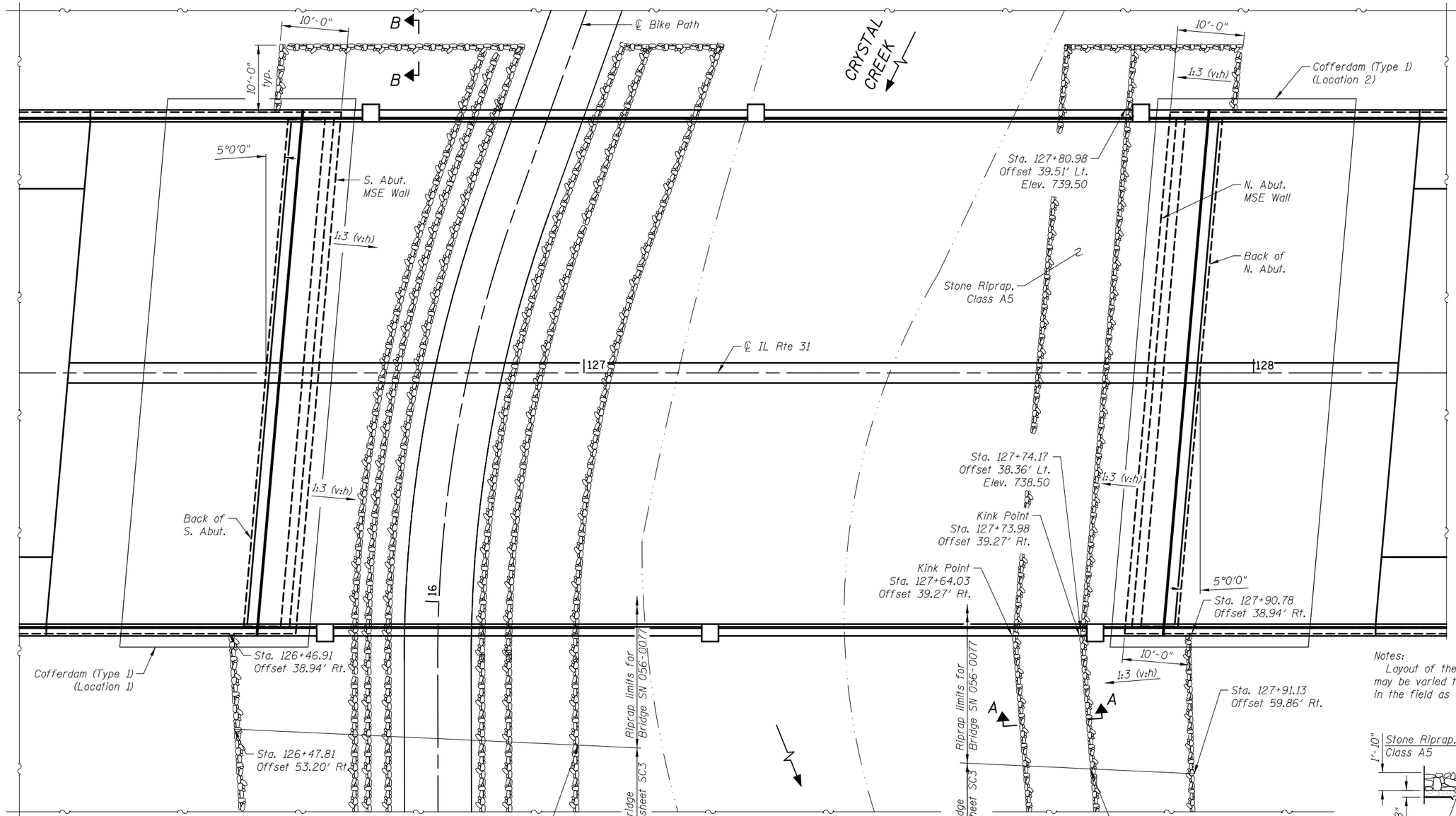
DRAWN - M. LANGE	REVISED - ⚠1 5/3/12 M.F.L.	
DESIGNED - D. ATKINS	REVISED -	
CHECKED - G. HATLESTAD	REVISED -	
DATE - 5/3/2012	REVISED -	

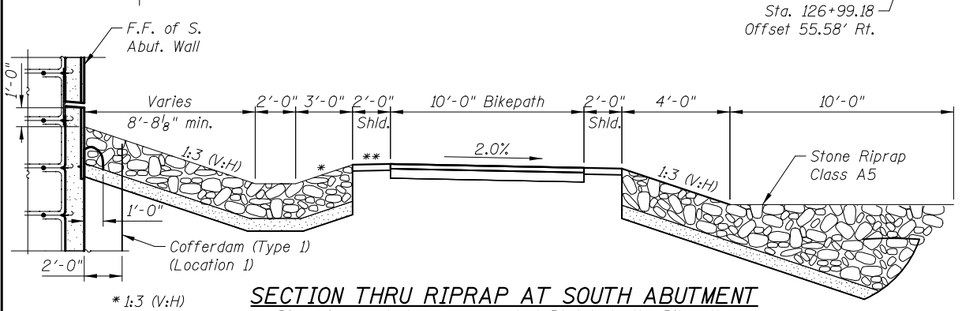
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA2 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	462
		CONTRACT NO. 60F72		
	ILLINOIS	FED. AID PROJECT		



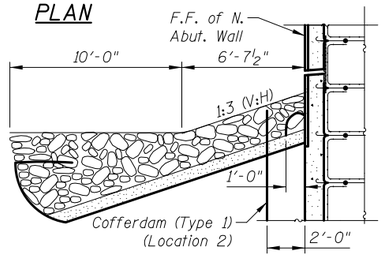
Notes:
Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.



SECTION THRU RIPRAP AT SOUTH ABUTMENT

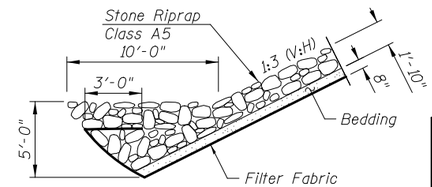
Dimensions and slopes measured at Rt. L's to the Bikepath
See Section A-A for balance of information

PLAN

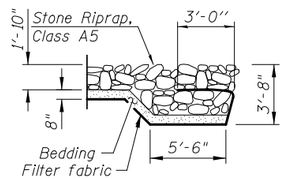


SECTION THRU RIPRAP AT NORTH ABUTMENT

Dimensions and slopes measured at Rt. L's to Abutment



SECTION A-A



SECTION B-B

Bedding to be included in the cost of Stone Riprap, Class A5.

BILL OF MATERIAL

Item	Unit	Total
Stone Riprap, Class A5	Sq. Yd.	646
Filter Fabric	Sq. Yd.	646
Cofferdam Excavation	Cu. Yd.	970
Cofferdam (Type 1) (Location 1)	Each	1
Cofferdam (Type 1) (Location 2)	Each	1

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DESIGNED - D. ATKINS	REVISED -	
CHECKED - G. HATLESTAD	REVISED -	
DATE - 5/3/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIPRAP DETAILS
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA3 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	463
		CONTRACT NO. 60F72		
ILLINOIS FED. AID PROJECT				

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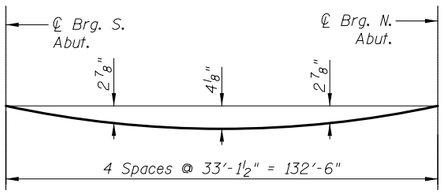
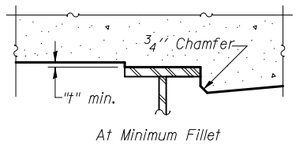
KLB
5/2/2012



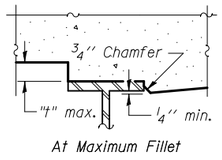
DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note:
The above deflections are not for use in the field if the Engineer is working from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" on sheets SA5 & SA6.

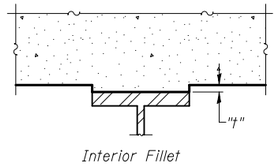


At Minimum Fillet



At Maximum Fillet

Exterior Beams

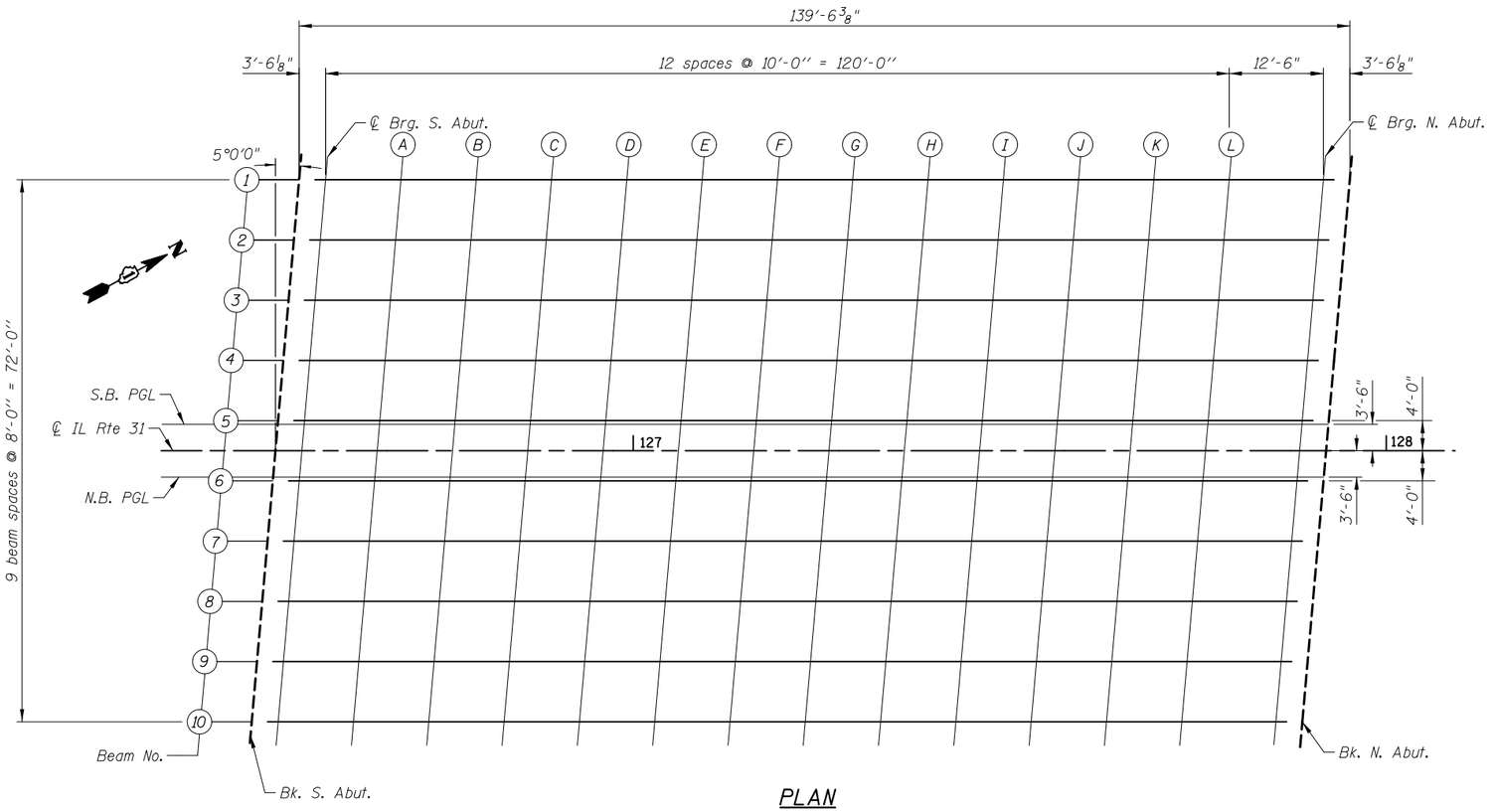


Interior Fillet

Interior Beams

To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets SA5 & SA6, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS



PLAN

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DESIGNED - D. ATKINS	REVISED -	
CHECKED - G. HATLESTAD	REVISED -	
DATE - 5/3/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS I
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA4 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	464
		CONTRACT NO. 60F72		
	ILLINOIS	FED. AID PROJECT		

BEAM 1

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	126+55.64	-36.00	768.55	768.55
℄ Brg. S Abut.	126+59.15	-36.00	768.59	768.59
A	126+69.15	-36.00	768.70	768.78
B	126+79.15	-36.00	768.81	768.97
C	126+89.15	-36.00	768.92	769.15
D	126+99.15	-36.00	769.03	769.31
E	127+09.15	-36.00	769.14	769.46
F	127+19.15	-36.00	769.25	769.59
G	127+29.15	-36.00	769.36	769.70
H	127+39.15	-36.00	769.47	769.80
I	127+49.15	-36.00	769.58	769.87
J	127+59.15	-36.00	769.69	769.93
K	127+69.15	-36.00	769.80	769.98
L	127+79.15	-36.00	769.91	770.01
℄ Brg. N Abut.	127+91.65	-36.00	770.05	770.05
Bk. N Abut.	127+95.16	-36.00	770.09	770.09

BEAM 2

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	126+54.94	-28.00	768.71	768.71
℄ Brg. S Abut.	126+58.45	-28.00	768.75	768.75
A	126+68.45	-28.00	768.86	768.94
B	126+78.45	-28.00	768.97	769.13
C	126+88.45	-28.00	769.08	769.31
D	126+98.45	-28.00	769.19	769.47
E	127+08.45	-28.00	769.30	769.62
F	127+18.45	-28.00	769.41	769.75
G	127+28.45	-28.00	769.52	769.86
H	127+38.45	-28.00	769.63	769.96
I	127+48.45	-28.00	769.74	770.03
J	127+58.45	-28.00	769.85	770.09
K	127+68.45	-28.00	769.96	770.14
L	127+78.45	-28.00	770.07	770.17
℄ Brg. N Abut.	127+90.95	-28.00	770.21	770.21
Bk. N Abut.	127+94.46	-28.00	770.25	770.25

BEAM 3

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	126+54.24	-20.00	768.87	768.87
℄ Brg. S Abut.	126+57.75	-20.00	768.91	768.91
A	126+67.75	-20.00	769.02	769.10
B	126+77.75	-20.00	769.13	769.29
C	126+87.75	-20.00	769.24	769.47
D	126+97.75	-20.00	769.35	769.63
E	127+07.75	-20.00	769.46	769.78
F	127+17.75	-20.00	769.57	769.91
G	127+27.75	-20.00	769.68	770.02
H	127+37.75	-20.00	769.79	770.12
I	127+47.75	-20.00	769.90	770.19
J	127+57.75	-20.00	770.01	770.25
K	127+67.75	-20.00	770.12	770.30
L	127+77.75	-20.00	770.23	770.33
℄ Brg. N Abut.	127+90.25	-20.00	770.37	770.37
Bk. N Abut.	127+93.76	-20.00	770.40	770.40

BEAM 4

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	126+53.54	-12.00	769.03	769.03
℄ Brg. S Abut.	126+57.05	-12.00	769.07	769.07
A	126+67.05	-12.00	769.18	769.26
B	126+77.05	-12.00	769.29	769.45
C	126+87.05	-12.00	769.40	769.62
D	126+97.05	-12.00	769.51	769.79
E	127+07.05	-12.00	769.62	769.94
F	127+17.05	-12.00	769.73	770.07
G	127+27.05	-12.00	769.84	770.18
H	127+37.05	-12.00	769.95	770.28
I	127+47.05	-12.00	770.06	770.35
J	127+57.05	-12.00	770.17	770.41
K	127+67.05	-12.00	770.28	770.45
L	127+77.05	-12.00	770.39	770.49
℄ Brg. N Abut.	127+89.55	-12.00	770.52	770.52
Bk. N Abut.	127+93.06	-12.00	770.56	770.56

BEAM 5

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	126+52.84	-4.00	769.19	769.19
℄ Brg. S Abut.	126+56.35	-4.00	769.23	769.23
A	126+66.35	-4.00	769.34	769.42
B	126+76.35	-4.00	769.45	769.61
C	126+86.35	-4.00	769.56	769.78
D	126+96.35	-4.00	769.67	769.95
E	127+06.35	-4.00	769.78	770.10
F	127+16.35	-4.00	769.89	770.23
G	127+26.35	-4.00	770.00	770.34
H	127+36.35	-4.00	770.11	770.44
I	127+46.35	-4.00	770.22	770.51
J	127+56.35	-4.00	770.33	770.57
K	127+66.35	-4.00	770.44	770.61
L	127+76.35	-4.00	770.55	770.65
℄ Brg. N Abut.	127+88.85	-4.00	770.68	770.68
Bk. N Abut.	127+92.36	-4.00	770.72	770.72

SB PGL

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	126+52.79	-3.50	769.20	769.20
℄ Brg. S Abut.	126+56.31	-3.50	769.24	769.24
A	126+66.31	-3.50	769.35	769.43
B	126+76.31	-3.50	769.46	769.62
C	126+86.31	-3.50	769.57	769.79
D	126+96.31	-3.50	769.68	769.96
E	127+06.31	-3.50	769.79	770.11
F	127+16.31	-3.50	769.90	770.24
G	127+26.31	-3.50	770.01	770.35
H	127+36.31	-3.50	770.12	770.45
I	127+46.31	-3.50	770.23	770.52
J	127+56.31	-3.50	770.34	770.58
K	127+66.31	-3.50	770.45	770.62
L	127+76.31	-3.50	770.56	770.66
℄ Brg. N Abut.	127+88.81	-3.50	770.69	770.69
Bk. N Abut.	127+92.32	-3.50	770.73	770.73

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DRAWN	- M. LANGE	REVISED -
DESIGNED	- D. ATKINS	REVISED -
CHECKED	- G. HATLESTAD	REVISED -
DATE	- 5/3/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS II
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA5 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	465
		CONTRACT NO. 60F72		
	ILLINOIS	FED. AID PROJECT		

NB PGL

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	126+52.18	3.50	769.19	769.19
℄ Brg. S Abut.	126+55.69	3.50	769.23	769.23
A	126+65.69	3.50	769.34	769.42
B	126+75.69	3.50	769.45	769.61
C	126+85.69	3.50	769.56	769.79
D	126+95.69	3.50	769.67	769.95
E	127+05.69	3.50	769.78	770.10
F	127+15.69	3.50	769.89	770.23
G	127+25.69	3.50	770.00	770.34
H	127+35.69	3.50	770.11	770.44
I	127+45.69	3.50	770.22	770.51
J	127+55.69	3.50	770.33	770.57
K	127+65.69	3.50	770.44	770.62
L	127+75.69	3.50	770.55	770.65
℄ Brg. N Abut.	127+88.19	3.50	770.69	770.69
Bk. N Abut.	127+91.71	3.50	770.73	770.73

BEAM 6

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	126+52.14	4.00	769.18	769.18
℄ Brg. S Abut.	126+55.65	4.00	769.22	769.22
A	126+65.65	4.00	769.33	769.41
B	126+75.65	4.00	769.44	769.60
C	126+85.65	4.00	769.55	769.78
D	126+95.65	4.00	769.66	769.94
E	127+05.65	4.00	769.77	770.09
F	127+15.65	4.00	769.88	770.22
G	127+25.65	4.00	769.99	770.33
H	127+35.65	4.00	770.10	770.43
I	127+45.65	4.00	770.21	770.50
J	127+55.65	4.00	770.32	770.56
K	127+65.65	4.00	770.43	770.61
L	127+75.65	4.00	770.54	770.64
℄ Brg. N Abut.	127+88.15	4.00	770.68	770.68
Bk. N Abut.	127+91.66	4.00	770.71	770.71

BEAM 7

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	126+51.44	12.00	769.01	769.01
℄ Brg. S Abut.	126+54.95	12.00	769.05	769.05
A	126+64.95	12.00	769.16	769.24
B	126+74.95	12.00	769.27	769.42
C	126+84.95	12.00	769.38	769.60
D	126+94.95	12.00	769.49	769.77
E	127+04.95	12.00	769.60	769.91
F	127+14.95	12.00	769.71	770.04
G	127+24.95	12.00	769.82	770.16
H	127+34.95	12.00	769.93	770.25
I	127+44.95	12.00	770.04	770.33
J	127+54.95	12.00	770.15	770.39
K	127+64.95	12.00	770.26	770.43
L	127+74.95	12.00	770.36	770.47
℄ Brg. N Abut.	127+87.45	12.00	770.50	770.50
Bk. N Abut.	127+90.96	12.00	770.54	770.54

BEAM 8

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	126+50.74	20.00	768.83	768.83
℄ Brg. S Abut.	126+54.25	20.00	768.87	768.87
A	126+64.25	20.00	768.98	769.06
B	126+74.25	20.00	769.09	769.25
C	126+84.25	20.00	769.20	769.43
D	126+94.25	20.00	769.31	769.59
E	127+04.25	20.00	769.42	769.74
F	127+14.25	20.00	769.53	769.87
G	127+24.25	20.00	769.64	769.98
H	127+34.25	20.00	769.75	770.08
I	127+44.25	20.00	769.86	770.15
J	127+54.25	20.00	769.97	770.21
K	127+64.25	20.00	770.08	770.26
L	127+74.25	20.00	770.19	770.29
℄ Brg. N Abut.	127+86.75	20.00	770.33	770.33
Bk. N Abut.	127+90.26	20.00	770.37	770.37

BEAM 9

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	126+50.04	28.00	768.66	768.66
℄ Brg. S Abut.	126+53.55	28.00	768.70	768.70
A	126+63.55	28.00	768.81	768.89
B	126+73.55	28.00	768.92	769.08
C	126+83.55	28.00	769.03	769.25
D	126+93.55	28.00	769.14	769.42
E	127+03.55	28.00	769.25	769.57
F	127+13.55	28.00	769.36	769.70
G	127+23.55	28.00	769.47	769.81
H	127+33.55	28.00	769.58	769.91
I	127+43.55	28.00	769.69	769.98
J	127+53.55	28.00	769.80	770.04
K	127+63.55	28.00	769.91	770.08
L	127+73.55	28.00	770.02	770.12
℄ Brg. N Abut.	127+86.05	28.00	770.15	770.15
Bk. N Abut.	127+89.56	28.00	770.19	770.19

BEAM 10

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	126+49.34	36.00	768.49	768.49
℄ Brg. S Abut.	126+52.85	36.00	768.52	768.52
A	126+62.85	36.00	768.63	768.72
B	126+72.85	36.00	768.74	768.90
C	126+82.85	36.00	768.85	769.08
D	126+92.85	36.00	768.96	769.25
E	127+02.85	36.00	769.07	769.39
F	127+12.85	36.00	769.18	769.52
G	127+22.85	36.00	769.29	769.63
H	127+32.85	36.00	769.40	769.73
I	127+42.85	36.00	769.51	769.80
J	127+52.85	36.00	769.62	769.86
K	127+62.85	36.00	769.73	769.91
L	127+72.85	36.00	769.84	769.95
℄ Brg. N Abut.	127+85.35	36.00	769.98	769.98
Bk. N Abut.	127+88.86	36.00	770.02	770.02

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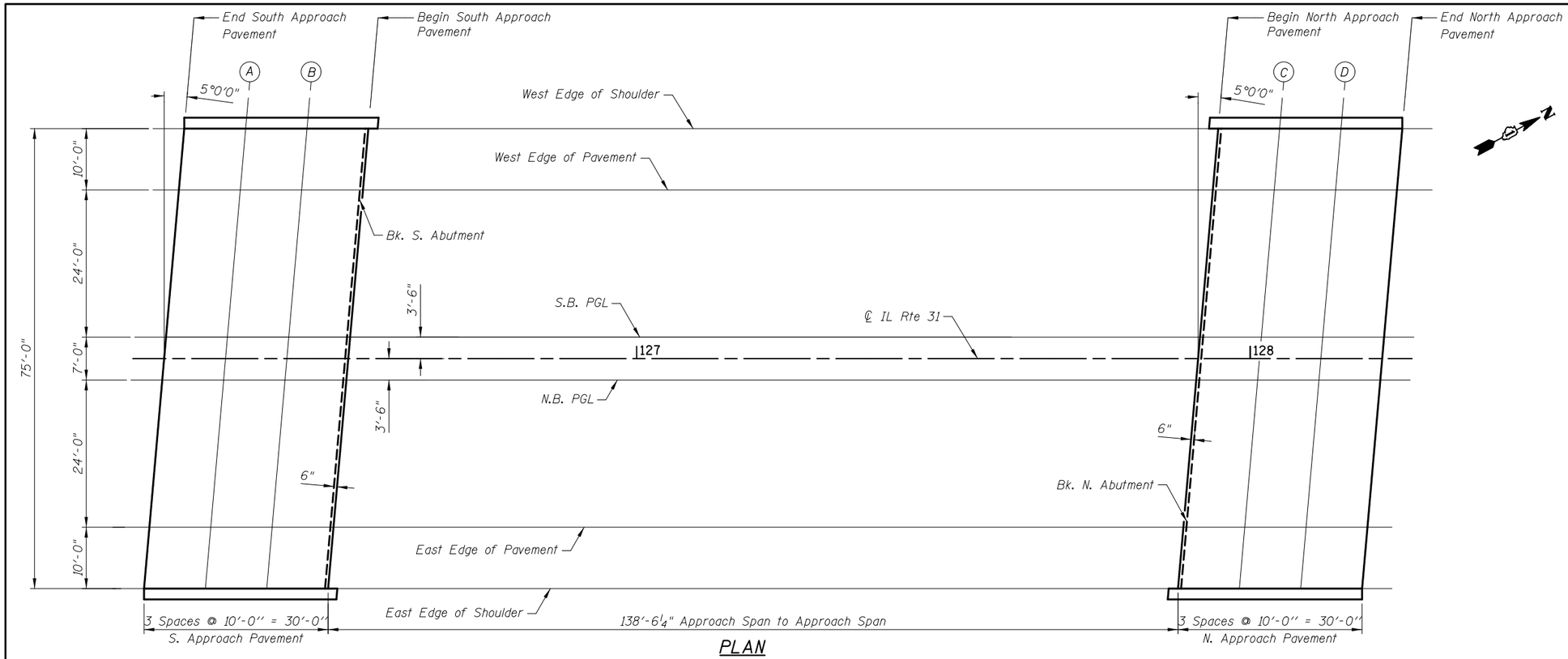
DRAWN - M. LANGE	REVISED -	
DESIGNED - D. ATKINS	REVISED -	
CHECKED - G. HATLESTAD	REVISED -	
DATE - 5/3/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS III
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA6 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	466
		CONTRACT NO. 60F72		
	ILLINOIS	FED. AID PROJECT		



PLAN

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't	126+26.27	-37.50	768.31
A	126+36.27	-37.50	768.37
B	126+46.27	-37.50	768.44
Begin S. Appr. Pav't	126+56.27	-37.50	768.53
Begin N. Appr. Pav't	127+94.79	-37.50	770.05
C	128+04.79	-37.50	770.16
D	128+14.79	-37.50	770.27
End N. Appr. Pav't	128+24.79	-37.50	770.38

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't	126+25.39	-27.50	768.58
A	126+35.39	-27.50	768.61
B	126+45.39	-27.50	768.65
Begin S. Appr. Pav't	126+55.39	-27.50	768.73
Begin N. Appr. Pav't	127+93.92	-27.50	770.25
C	128+03.92	-27.50	770.36
D	128+13.92	-27.50	770.47
End N. Appr. Pav't	128+23.92	-27.50	770.58

SOUTHBOUND PGL

Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't	126+23.29	-3.50	768.88
A	126+33.29	-3.50	768.99
B	126+43.29	-3.50	769.10
Begin S. Appr. Pav't	126+53.29	-3.50	769.21
Begin N. Appr. Pav't	127+91.82	-3.50	770.73
C	128+01.82	-3.50	770.84
D	128+11.82	-3.50	770.95
End N. Appr. Pav't	128+21.82	-3.50	771.06

NORTHBOUND PGL

Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't	126+22.68	3.50	768.87
A	126+32.68	3.50	768.98
B	126+42.68	3.50	769.09
Begin S. Appr. Pav't	126+52.68	3.50	769.20
Begin N. Appr. Pav't	127+91.21	3.50	770.72
C	128+01.21	3.50	770.83
D	128+11.21	3.50	770.94
End N. Appr. Pav't	128+21.21	3.50	771.05

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't	126+20.58	27.50	768.35
A	126+30.58	27.50	768.46
B	126+40.58	27.50	768.57
Begin S. Appr. Pav't	126+50.58	27.50	768.68
Begin N. Appr. Pav't	127+89.11	27.50	770.20
C	127+99.11	27.50	770.31
D	128+09.11	27.50	770.42
End N. Appr. Pav't	128+19.11	27.50	770.53

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't	126+19.71	37.50	768.13
A	126+29.71	37.50	768.24
B	126+39.71	37.50	768.35
Begin S. Appr. Pav't	126+49.71	37.50	768.46
Begin N. Appr. Pav't	127+88.23	37.50	769.98
C	127+98.23	37.50	770.09
D	128+08.23	37.50	770.20
End N. Appr. Pav't	128+18.23	37.50	770.31

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DRAWN	- M. LANGE	REVISED -
DESIGNED	- D. ATKINS	REVISED -
CHECKED	- G. HATLESTAD	REVISED -
DATE	- 5/3/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF APPROACH SLAB ELEVATIONS
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA7 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	467
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			

148-#5 d1(E) bars @ 11'' cts., each side

*3-#5 a2(E) bars @ 9'' cts., bottom

*4-#5 a(E) bars @ 5½'' cts., top

1'-9¼"

1'-4¼"

5"

Drainage Scupper, DS-33, typ.
See Detail "A"

5°0'0" Skew

2" at 50° F.

4x3-#5 a4(E) bars @ 6" cts., top.
3-#6 a5(E) bars @ 6" cts., between beams, bottom, each end

291-#5 a(E) bars @ 5½" cts., top

177-#5 a2(E) bars @ 9" cts., bottom

289-#5 a1(E) bars @ 5½" cts., top

4x6 b(E) bars @ 11'' cts., median

135-#5 c(E) bars @ 12" cts.

135-#5 c1(E) bars @ 12'' cts., each face

SB PGL

NB PGL

℄ IL Rte. 31

Bk. S. Abut.
Sta. 126+52.49

Bk. N. Abut.
Sta. 127+92.01

78'-6½'' out to out deck

75'-0"

7-#5 x(E) bars @ 13'' cts. between beams, each end. See Sect. A-A.

75x6-#5 b(E) bars at 12'' cts.

Top of slab

69x5-#5 b1(E) bars spaced as shown in cross section. Bottom of slab

*3-#5 a3(E) bars @ 9'' cts., bottom

*6-#5 a1(E) bars @ 5½'' cts., top

177-#5 a3(E) bars @ 9" cts., bottom

291-#5 a(E) bars @ 5½" cts., top

177-#5 a2(E) bars @ 9" cts., bottom

1x3-#6 d6(E) bars Bottom, each end

A

A

6" typ.

*4-#5 a(E) bars @ 5½'' cts., top

*3-#5 a2(E) bars @ 9'' cts., bottom

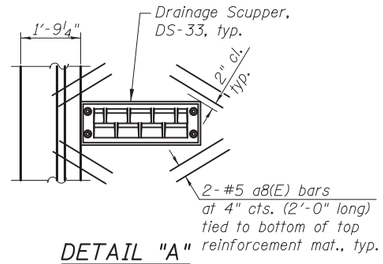
294-#6 a7(E) bars @ 5½" cts., each side
(Alternate between each a(E) bar)

3x6-#5 b(E) bars, top, each side

135'-2⅛" end to end deck

PLAN

*Order a(E), a1(E), a2(E), & a3(E) bars full length.
Cut to fit skew and use remainder of bars in opposite end.



DETAIL "A"

(Cut longitudinal reinforcement to clear drainage scuppers.)

Notes:

See Sheet SA10 for Bill of Materials, Bar Diagrams and Reinforcement Schedule.

Bars indicated thus 12 x 2-#5 etc. indicates 12 lines of bars with 2 lengths per line.

See sheet SA9 for Section A-A.

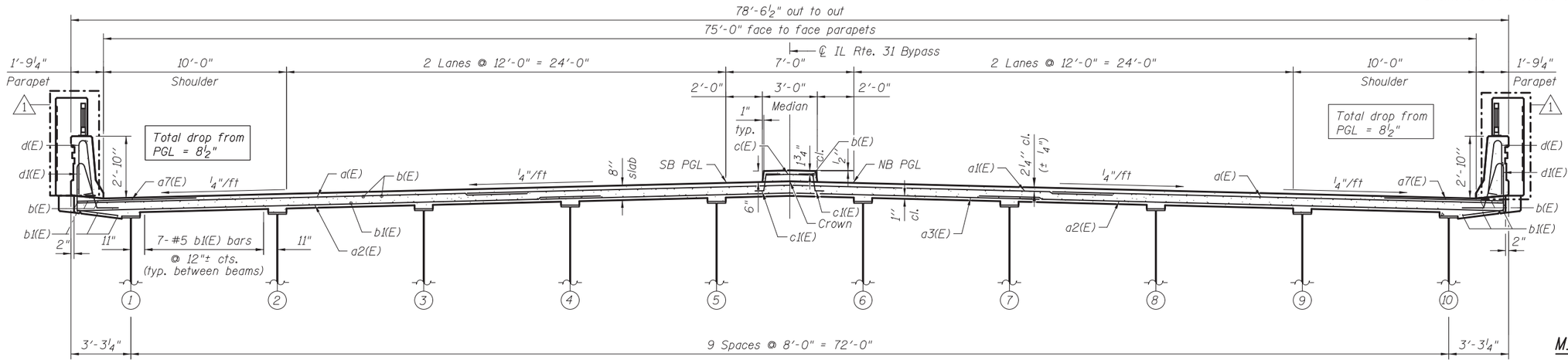
See sheet SA9 for Section Thru Parapet.

See sheet SA9 for parapet reinforcement.

See sheet SA17 for Drainage Scupper DS-33 details.

Dimensions are based on a Rolled Rail Strip Seal Joint. If the Contractor elects to use the Welded Rail Strip Seal Joint, deck dimensions may require adjustments to satisfy the details on sheet SA16.

Drains shall be located clear of all diaphragms.



CROSS SECTION

(Looking North)
(Drainage Scuppers not shown)

MINIMUM BAR LAP

(Deck)

#5 bar = 3'-3''
#6 bar = 3'-10"

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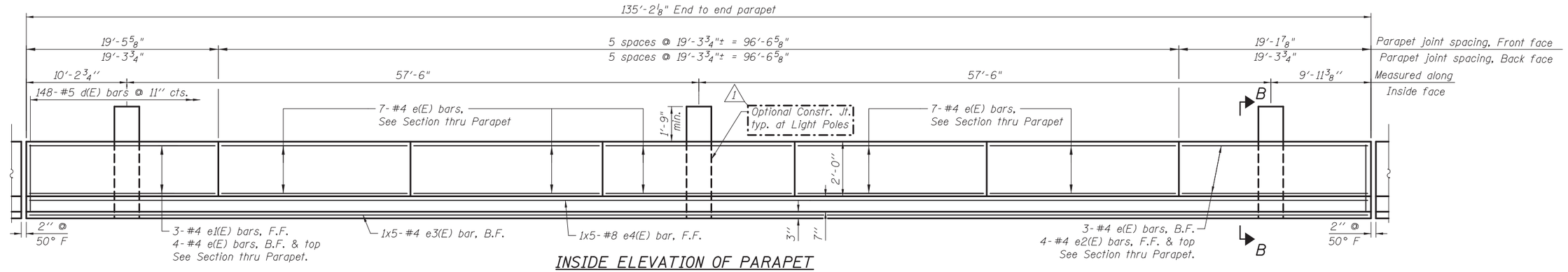
DRAWN	- M. LANGE	REVISED - 1 5/4/12 K.L.B.	
DESIGNED	- D. ATKINS	REVISED -	
CHECKED	- G. HATLESTAD	REVISED -	
DATE	- 5/3/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

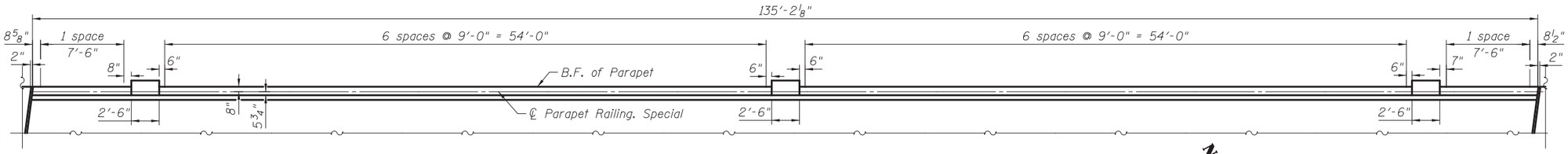
SUPERSTRUCTURE
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA8 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	468
		CONTRACT NO. 60F72		
		ILLINOIS FED. AID PROJECT		



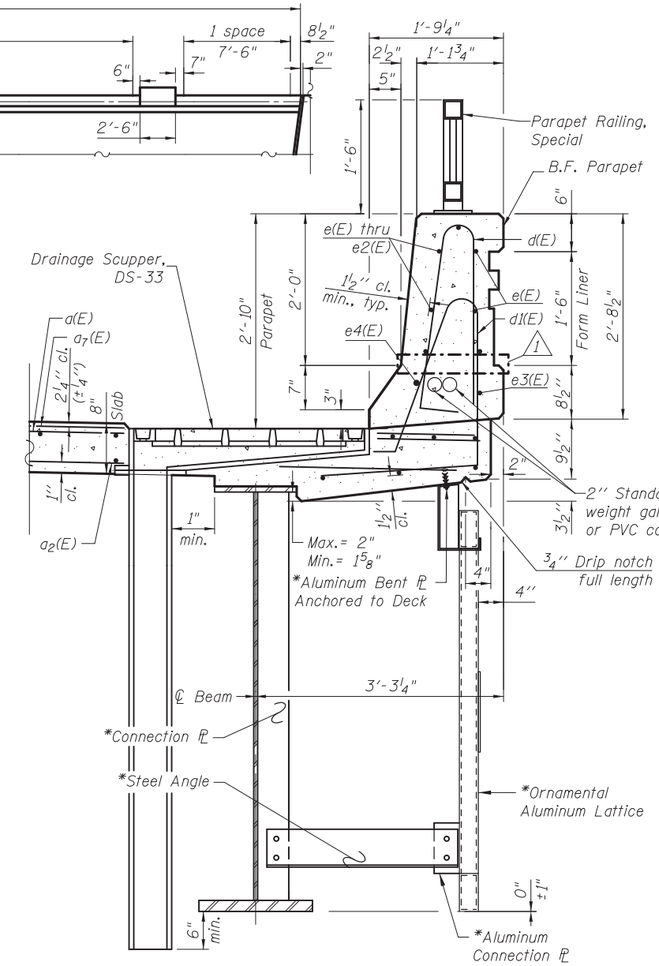
INSIDE ELEVATION OF PARAPET

(West parapet shown - East parapet is a mirror image)



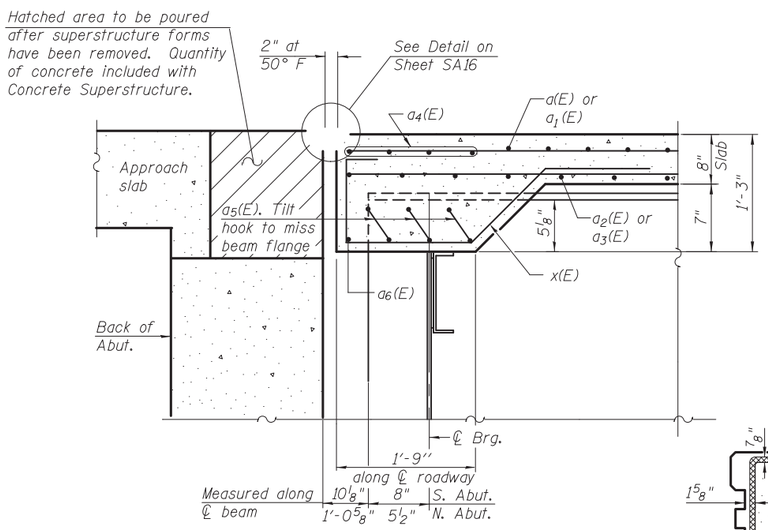
PLAN - PARAPET AND PARAPET RAILING

(Parapet Railing Post Spacing along ℄ Parapet Railing)
(West Parapet shown - East Parapet is a mirror image)

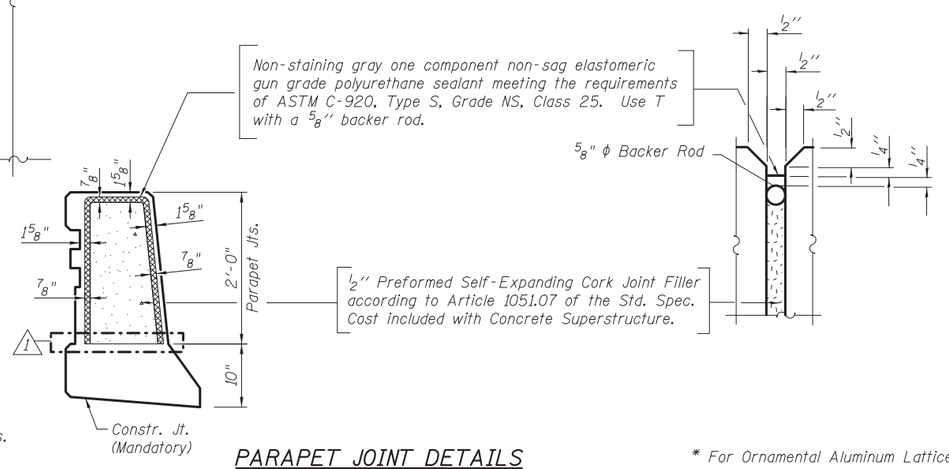


SECTION THRU PARAPET

(All edges have a 3/4" chamfer-Except at Form Liner locations)



SECTION A-A



PARAPET JOINT DETAILS

MINIMUM BAR LAP

(Parapet)
#4 bar = 2'-0"
#8 bar = 5'-2"

Notes:
See sheet SA12 for Parapet Form Liner details.
See sheet SA15 for Parapet Railing details.
See sheet SA17 for Drainage Scupper, DS-33 details.
See sheet SA10 for Section B-B.
Bars indicated thus 1x5-#8 etc. indicates 1 lines of bars with 5 lengths per line.

* For Ornamental Aluminum Lattice connections and details see SA11 and SA12.

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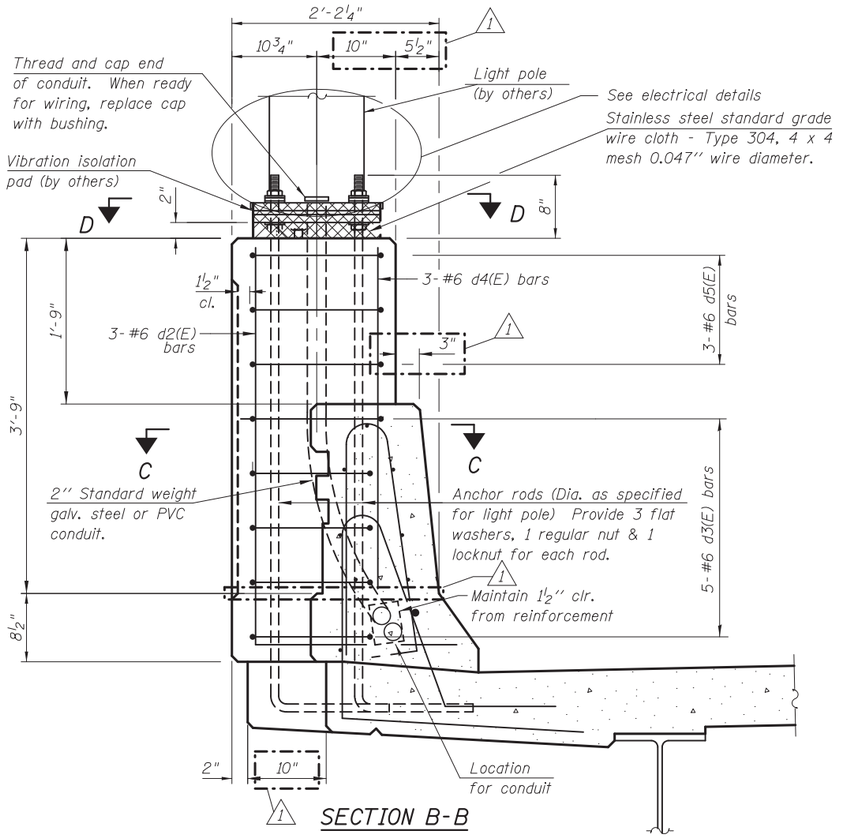
DESIGNED	- D. ATKINS	REVISED -	
CHECKED	- G. HATLESTAD	REVISED -	
DATE	- 5/3/2012	REVISED -	

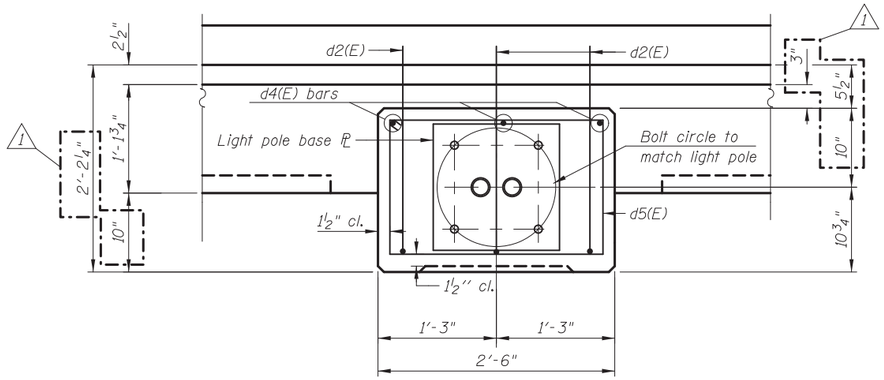
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS I
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA9 OF SA33 SHEETS

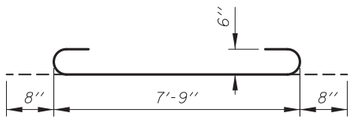
O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	469
		CONTRACT NO. 60F72		
		ILLINOIS FED. AID PROJECT		



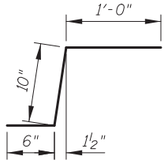
SECTION B-B



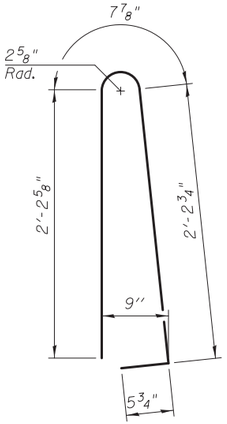
VIEW D-D
LIGHT POLE FOUNDATION PLAN



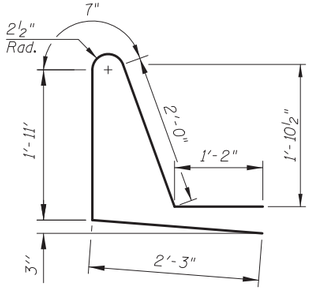
BAR a5(E)



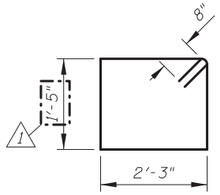
BAR c1(E)



BAR d(E)



BAR d1(E)



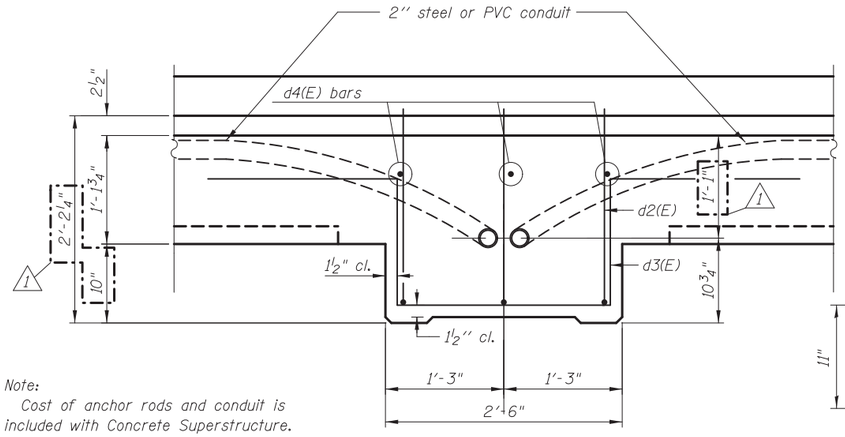
BAR d5(E)

Bar	No.	Size	Length	Shape
d(E)	590	#5	24'-7"	
d1(E)	295	#5	35'-3"	
d2(E)	360	#5	28'-7"	
d3(E)	180	#5	27'-3"	
d4(E)	24	#5	28'-4"	
d5(E)	54	#6	9'-1"	
d6(E)	6	#6	28'-9"	
d7(E)	588	#6	6'-6"	
d8(E)	16	#5	2'-0"	
b(E)	510	#5	25'-3"	
b1(E)	345	#5	29'-7"	
c(E)	135	#5	2'-8"	
c1(E)	270	#5	2'-4"	
d(E)	296	#5	5'-7"	
d1(E)	296	#5	7'-11"	
d2(E)	18	#6	6'-2"	
d3(E)	30	#6	8'-11"	
d4(E)	18	#6	3'-5"	
d5(E)	18	#6	8'-8"	1
e(E)	84	#4	19'-0"	
e1(E)	6	#4	19'-2"	
e2(E)	8	#4	18'-10"	
e3(E)	10	#4	28'-7"	
e4(E)	10	#8	31'-1"	
x(E)	126	#5	6'-5"	

Item	Unit	Quantity
Concrete Superstructure	Cu. Yds.	322.5 1
Bridge Deck Grooving	Sq. Yds.	1,082
Protective Coat	Sq. Yds.	1,271
Reinforcement Bars, Epoxy Coated	Pound	82,580 1
Form Liner Textured Surface, Special	Sq. Ft.	353

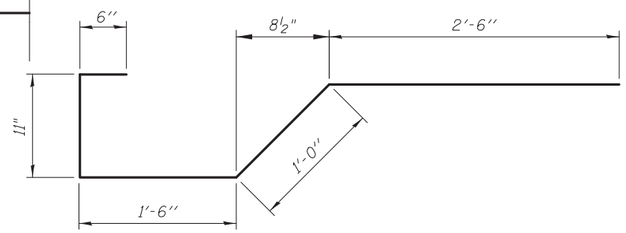
Bars indicated thus 1 x 3-#8 etc. indicates 1 line of bars with 3 lengths per line.

SUPERSTRUCTURE BILL OF MATERIAL

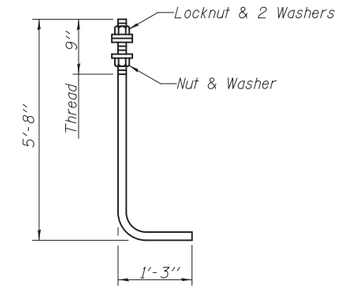


Note:
Cost of anchor rods and conduit is included with Concrete Superstructure. See sheet SA9 for Section A-A.

SECTION C-C

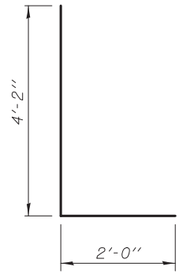


BAR x(E)

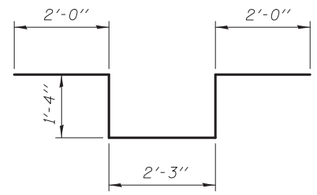


ANCHOR ROD

Diameter as specified for light poles. (ASTM F 1554 Grade 105)



BAR d2(E)



BAR d3(E)

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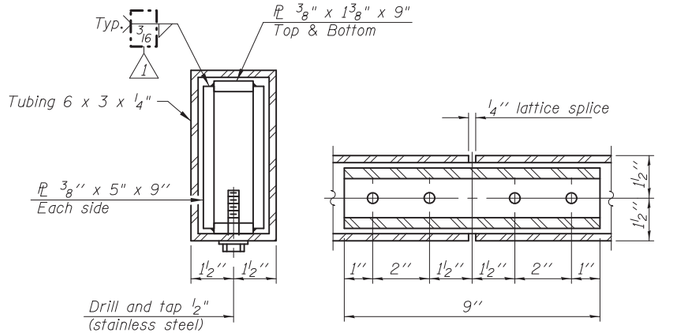
DESIGNED	- D. ATKINS	REVISED -	
CHECKED	- G. HATLESTAD	REVISED -	
DATE	- 5/3/2012	REVISED -	

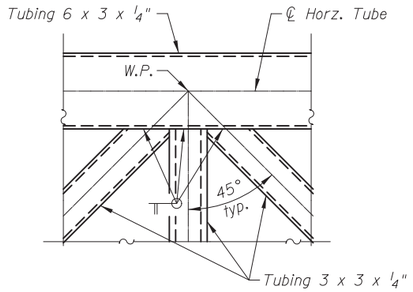
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS II
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA10 OF SA33 SHEETS

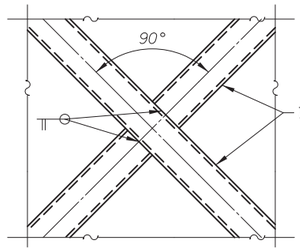
O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	470
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			



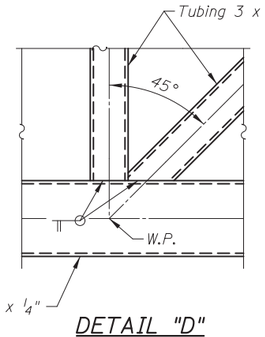
HORIZONTAL BAR SPLICE



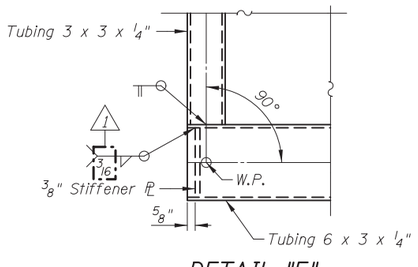
DETAIL "B"



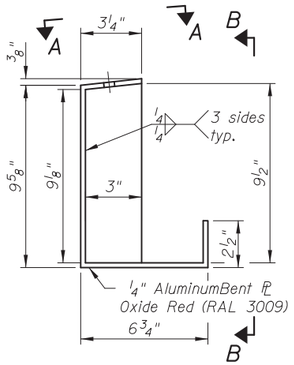
DETAIL "C"
(Aluminum Disk not shown)



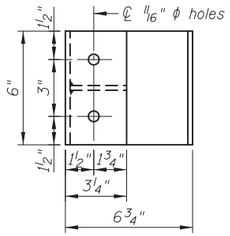
DETAIL "D"



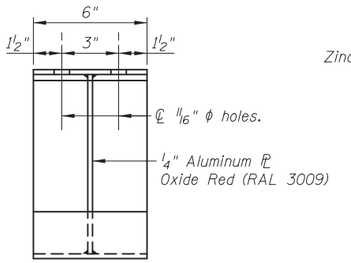
DETAIL "E"



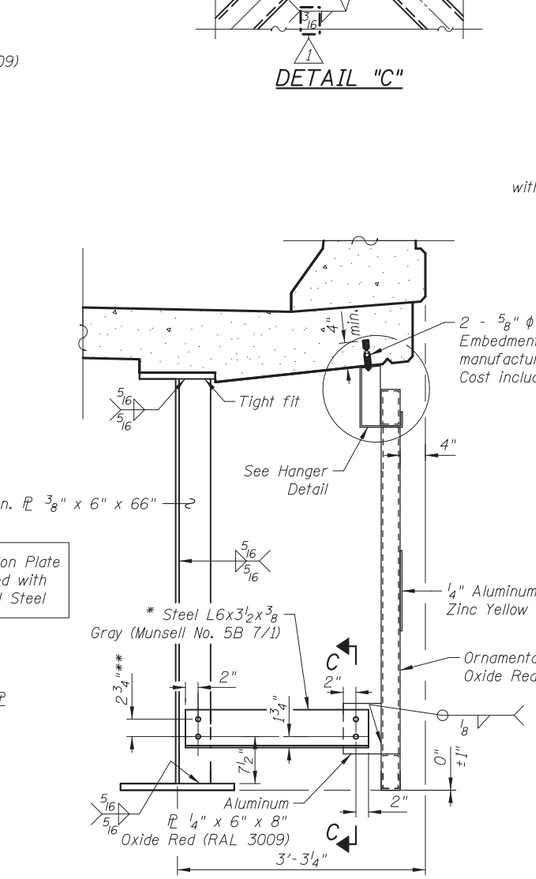
HANGER DETAIL



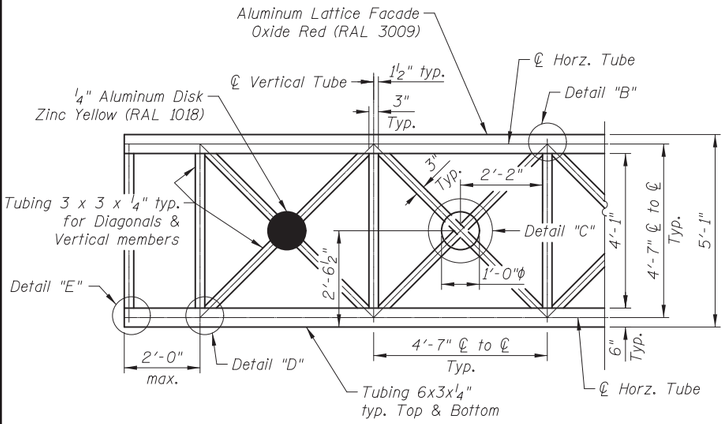
SECTION A-A



SECTION B-B



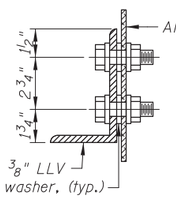
CROSS BAR CONNECTION



ALUMINUM LATTICE ELEVATION

Notes:
Hangers and aluminum plates to be included in the cost of Ornamental Aluminum Lattice.
All aluminum welds shall be Filler Alloy 5356 with a min. allowable stress of 7 ksi.
See sheet SA12 for Elevation View of the Exterior Fascia of the beams.
W.P. indicates work point.

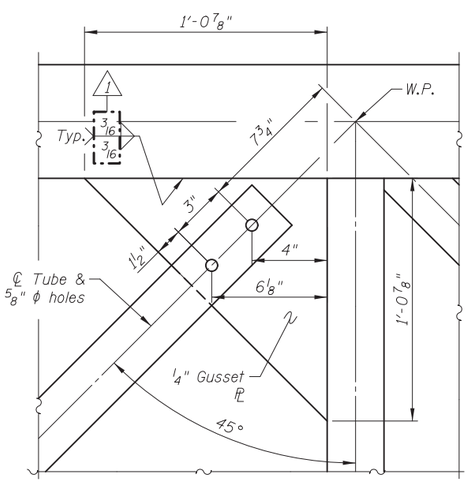
* Coordinate locations of Connection Plate with Steel Fabricator. Cost included with Furnishing and Erecting Structural Steel



SECTION C-C

TYPICAL ALUMINUM LATTICE LATERAL BRACING

** 3/4" bolts AASHTO M164 Type 1 with 15/16" ϕ Holes



DETAIL "A"

LATTICE SPLICE

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Ornamental Aluminum Lattice	Foot	265

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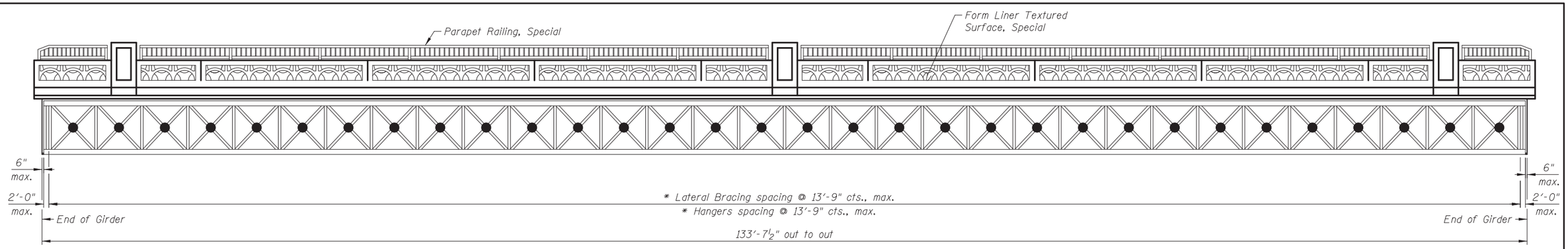
CHECKED	- G. HATLESTAD	REVISED	-
DATE	- 5/3/2012	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

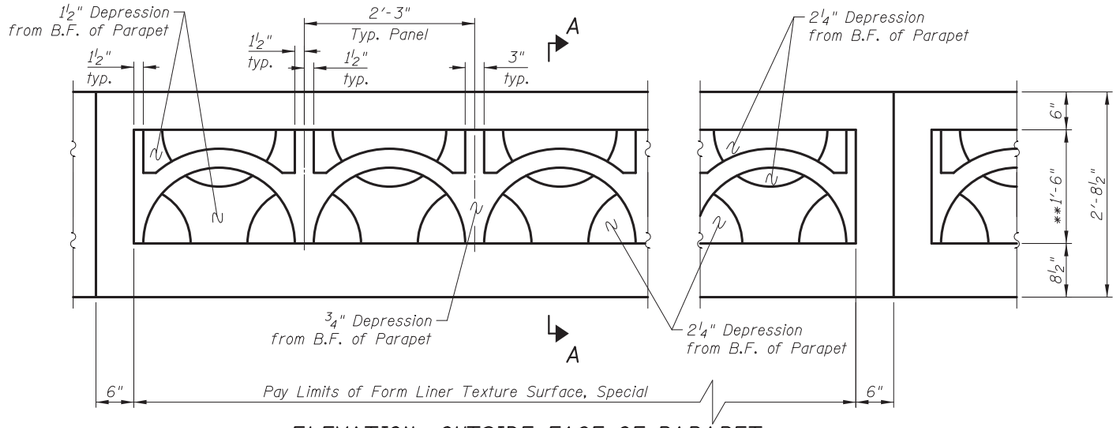
ORNAMENTAL ALUMINUM LATTICE
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA11 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	471
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			



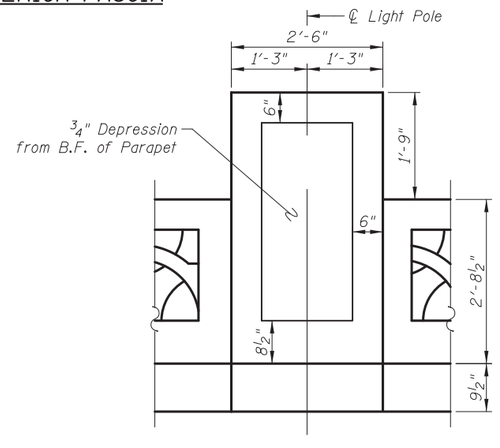
ELEVATION - EXTERIOR FASCIA

* Lateral Bracing connections shall occur at the vertical aluminum tubes and Hangers shall occur in mid span of lattice. Contractor to layout locations and submit shop drawings for approval.

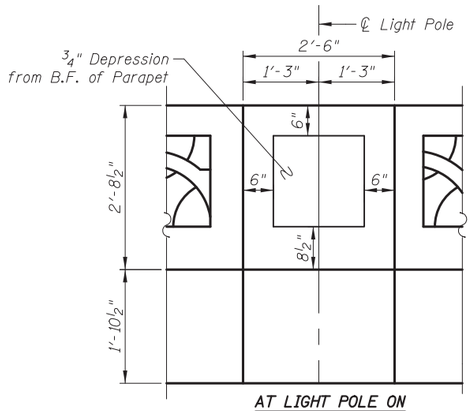


ELEVATION -OUTSIDE FACE OF PARAPET

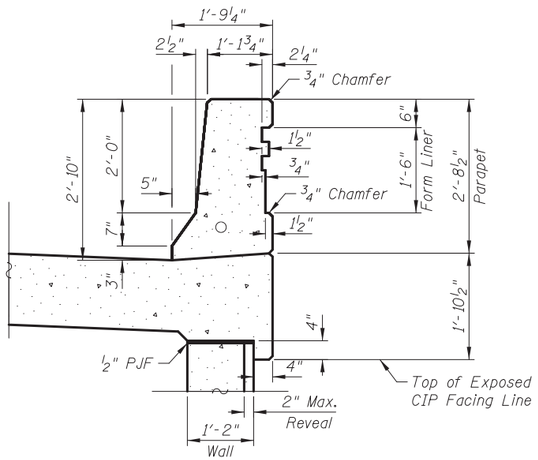
** Pay Limits of Form Liner Texture Surface, Special



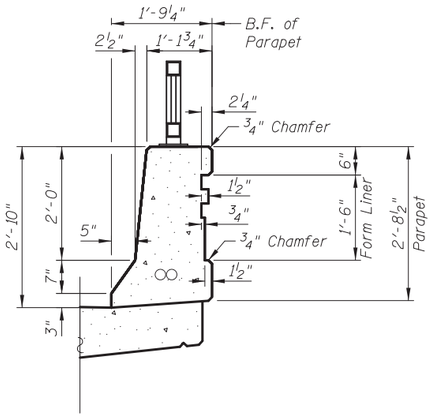
AT LIGHT POLE ON BRIDGE DECK



AT LIGHT POLE ON ANCHORAGE SLAB

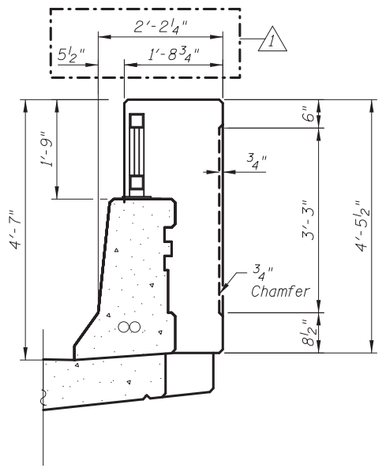


AT MSE WALL

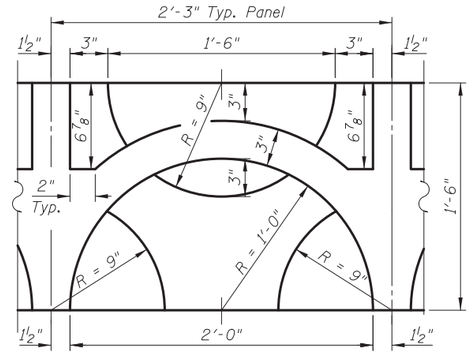


AT BRIDGE DECK

SECTION A-A



AT LIGHT POLE



FORM LINER TEXTURE SURFACE, SPECIAL DETAIL

Notes:

Parapet, railing, lighting and all other details not specifically pertaining to the lattice are shown for graphics purposes only.

See Sheet SA11 for Hanger and Lateral Bracing Details.

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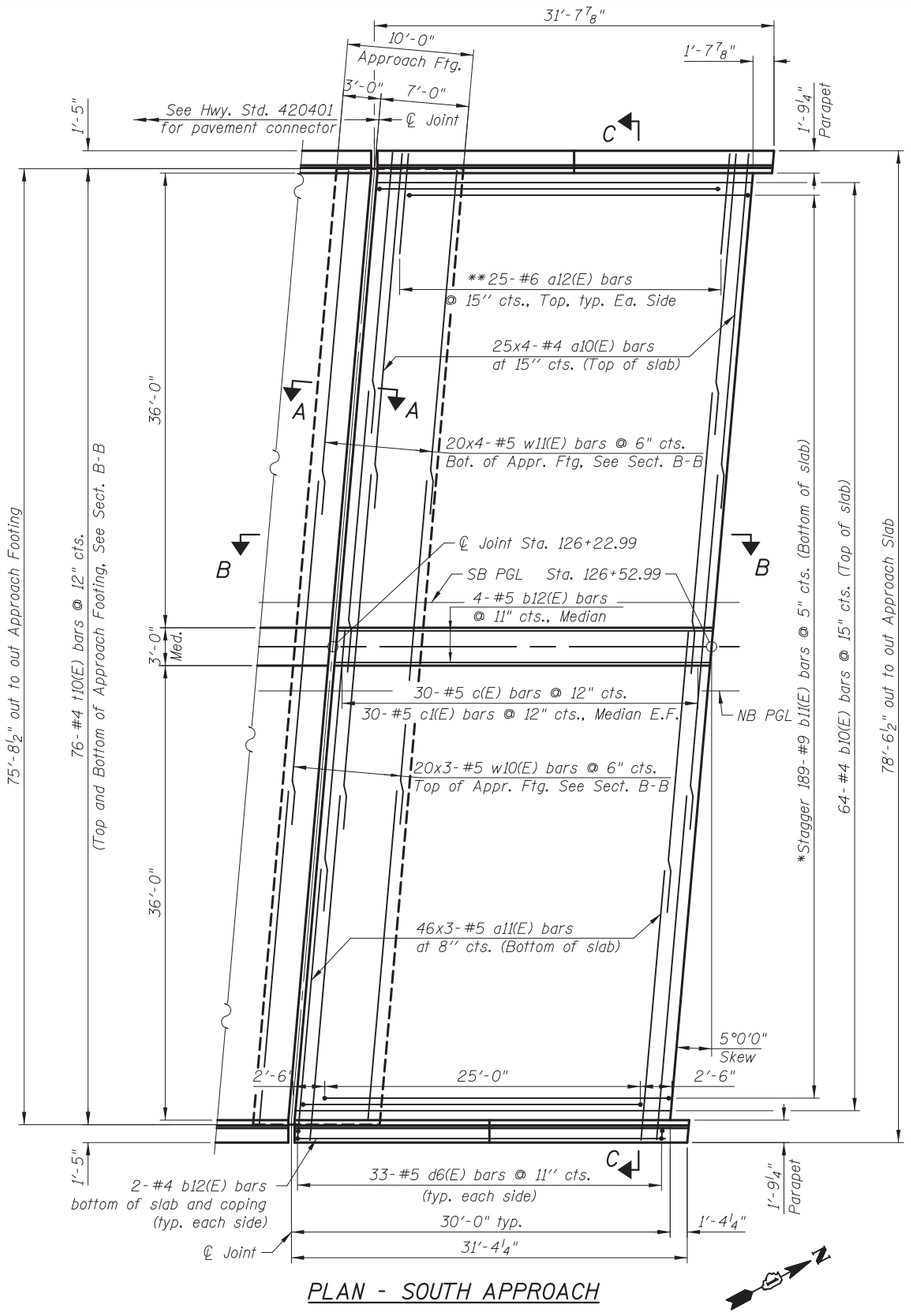
DESIGNED	- D. ATKINS	REVISED	-
CHECKED	- G. HATLESTAD	REVISED	-
DATE	- 5/3/2012	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

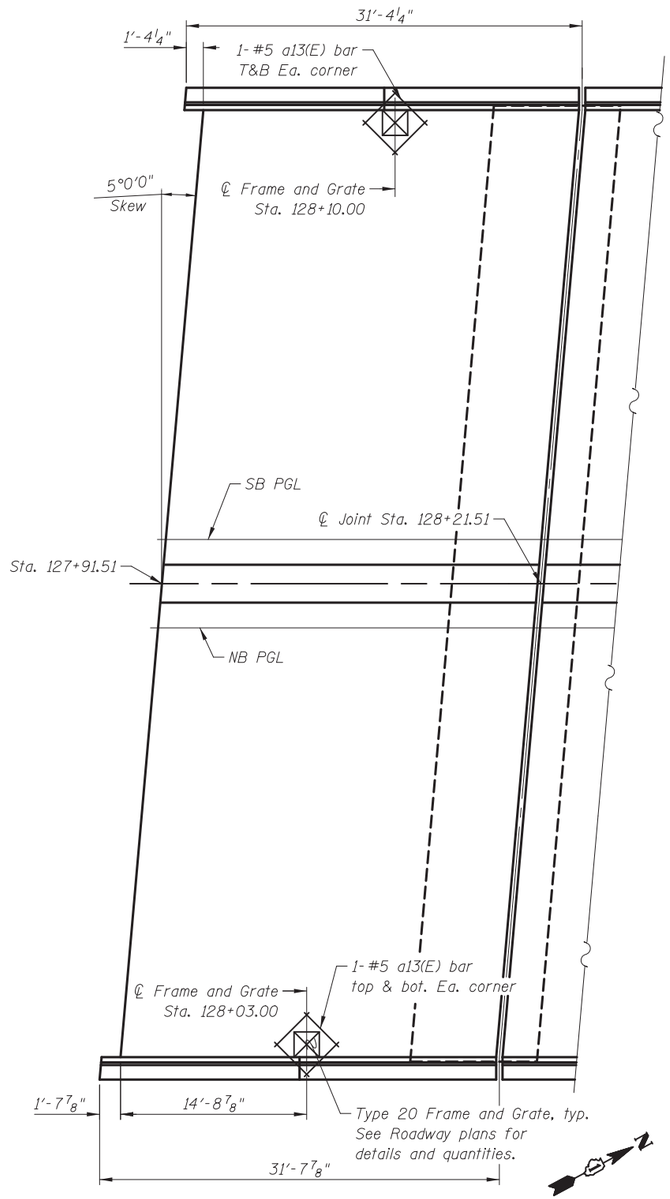
ARCHITECTURAL DETAILS
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA12 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	472
		CONTRACT NO. 60F72		
		ILLINOIS FED. AID PROJECT		



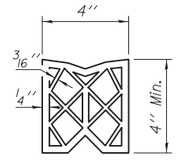
PLAN - SOUTH APPROACH

*Tilt #9 b11(E) bars as required to maintain clearance.
**Space between a10(E), typ. each parapet.

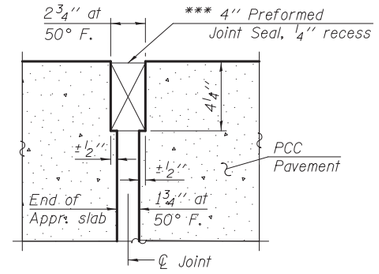


PLAN - NORTH APPROACH

(See South Approach for remainder of dimensions and reinforcement)

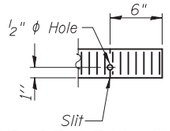


PREFORMED JOINT SEAL

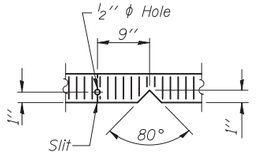


SECTION A-A

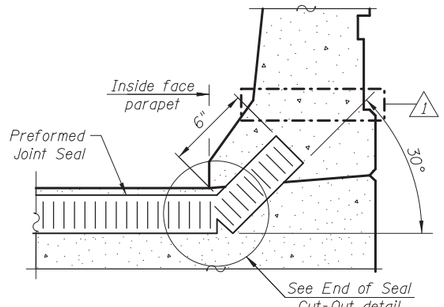
*** Cost included with Concrete Superstructures



END OF SEAL CUT-OUT

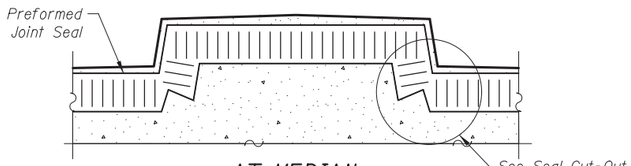


SEAL CUT-OUT AT CURB



AT PARAPET

(showing seal)



AT MEDIAN

(showing seal)

MINIMUM BAR LAP

(Approach Slab)
#4 bar = 2'-7"
#5 bar = 3'-3"

Notes:
See sheet SA14 for Bar Bending Diagrams, Reinforcement Schedule & Bill of Materials.
See sheet SA14 for Sections B-B and C-C.
a10(E), a11(E), b12(E), c10(E) and c11(E) measured along ℄ IL Rte 31

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DESIGNED	- D. ATKINS	REVISED	-
CHECKED	- G. HATLESTAD	REVISED	-
DATE	- 5/3/2012	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA13 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	473
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			

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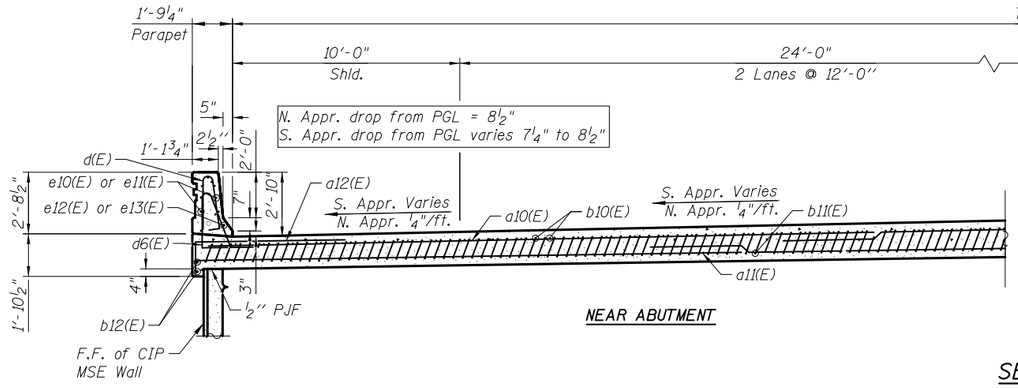
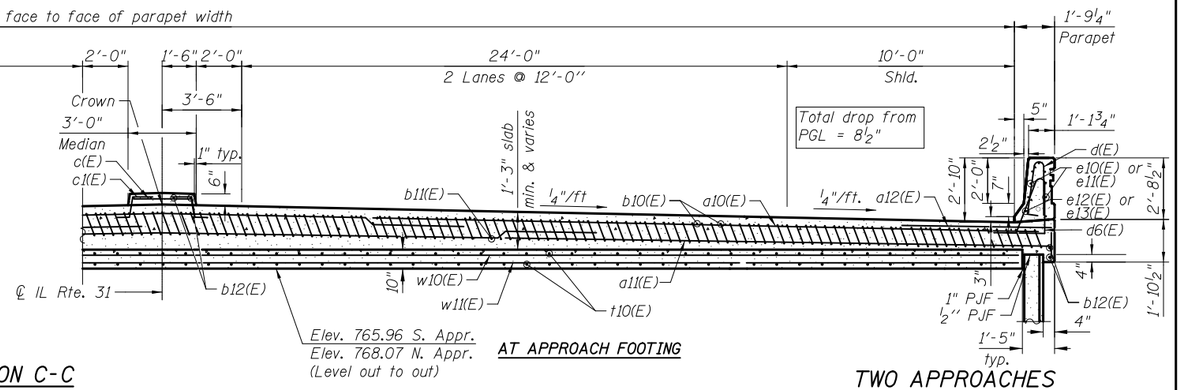




SECTION C-C

Notes:

See sheet SA13 for Section A-A.

Approach slab and parapet concrete shall be paid for as Concrete Superstructure.

Approach footing concrete shall be paid for as Concrete Structures.

Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.

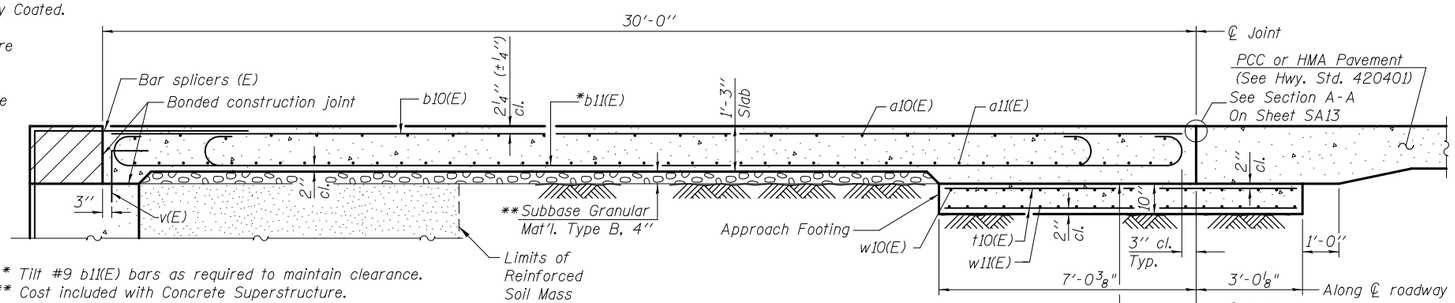
For v(E) bar details, see sheet SA23.

The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.

For bar splicer details, see sheet SA29.

Cost of excavation for approach footing included with Concrete Structures.

For additional parapet details see sheet SA12 for formliner details and dimensions and SA28 for parapet joint details.

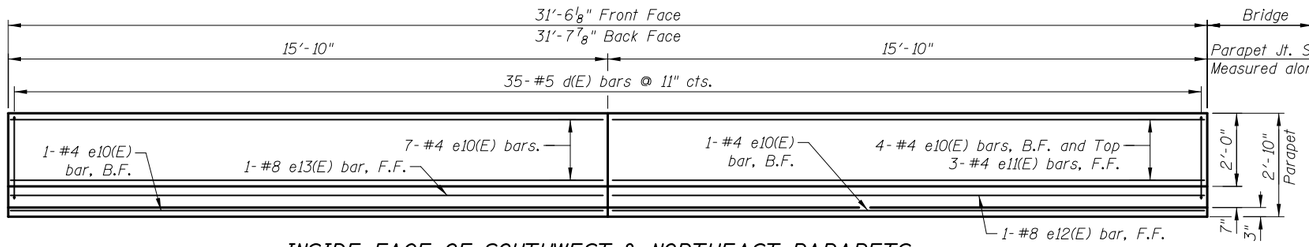


* Tilt #9 b11(E) bars as required to maintain clearance.

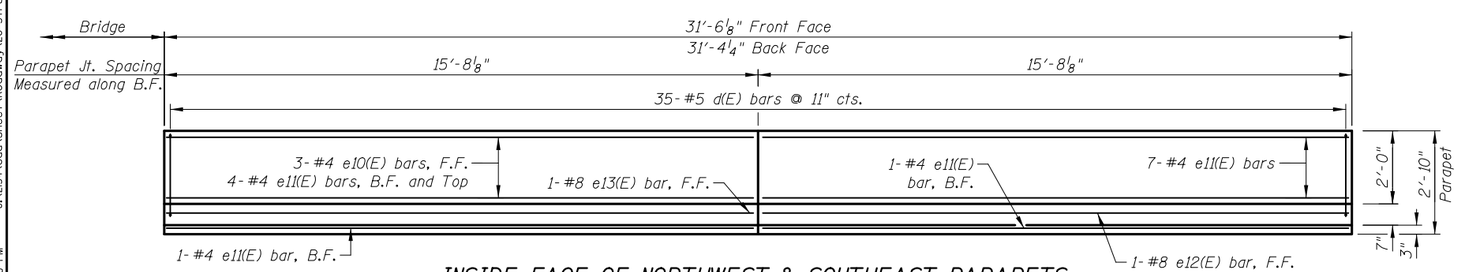
** Cost included with Concrete Superstructure.

Hatched area to be poured after superstructure false work has been removed. See Abutment Sheets SA21 thru SA23.

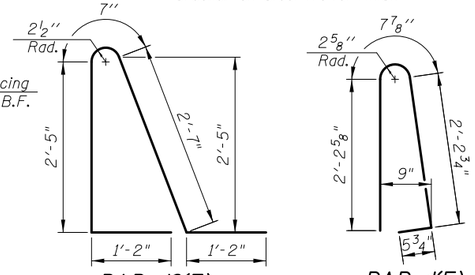
SECTION B-B

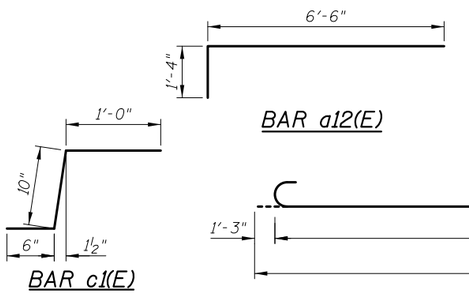


INSIDE FACE OF SOUTHWEST & NORTHEAST PARAPETS



INSIDE FACE OF NORTHWEST & SOUTHEAST PARAPETS





TWO APPROACHES BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	200	#4	21'-7"	
a11(E)	276	#5	28'-4"	
a12(E)	100	#6	7'-10"	
a13(E)	16	#5	3'-6"	
b10(E)	128	#4	29'-8"	
b11(E)	378	#9	29'-9"	
b12(E)	8	#5	29'-8"	
c(E)	60	#5	2'-8"	
c1(E)	120	#5	2'-4"	
d(E)	140	#5	5'-7"	
d6(E)	132	#5	7'-11"	
e10(E)	32	#4	15'-6"	
e11(E)	32	#4	15'-4"	
e12(E)	4	#8	15'-4"	
e13(E)	4	#8	15'-6"	
t10(E)	304	#4	9'-8"	
w10(E)	120	#5	27'-5"	
w11(E)	160	#5	21'-5"	

Item	Unit	Quantity
Concrete Structures	Cu. Yd.	47.0
Concrete Superstructure	Cu. Yd.	257.1
Bridge Deck Grooving	Sq. Yd.	480
Protective Coat	Sq. Yd.	563
Reinforcement Bars, Epoxy Coated	Pound	65,620
Form Liner Textured Surface, Special	Sq. Ft.	177

Bars indicated thus 1 x 3-#8 etc. indicates 1 line of bars with 3 lengths per line.

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DESIGNED	- D. ATKINS	REVISED	-
CHECKED	- G. HATLESTAD	REVISED	-
DATE	- 5/3/2012	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA14 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	474
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			

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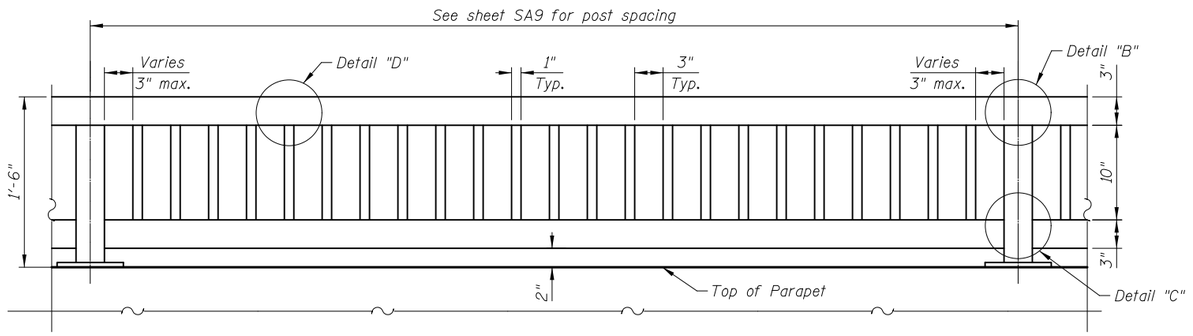
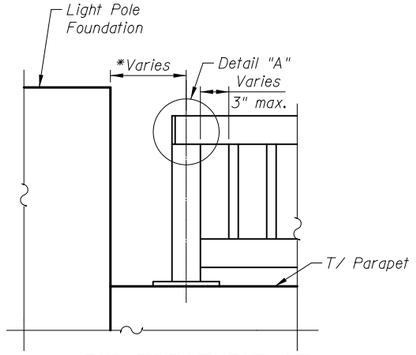
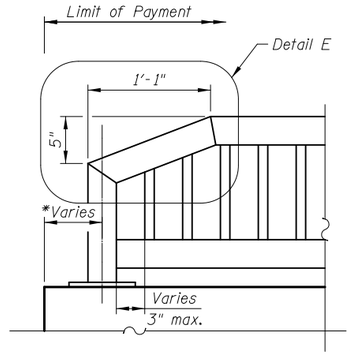


ELEVATION

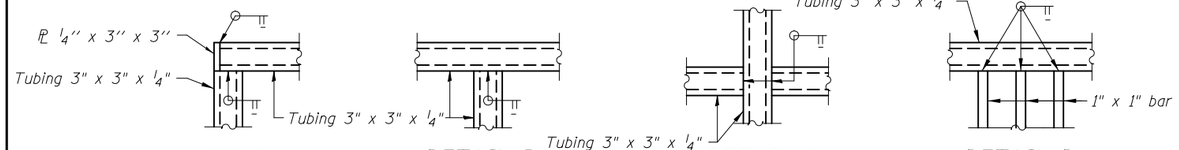


END TREATMENT AT
LIGHT POLE FOUNDATION

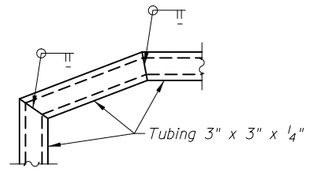
* See sheet SA9 for dimensions



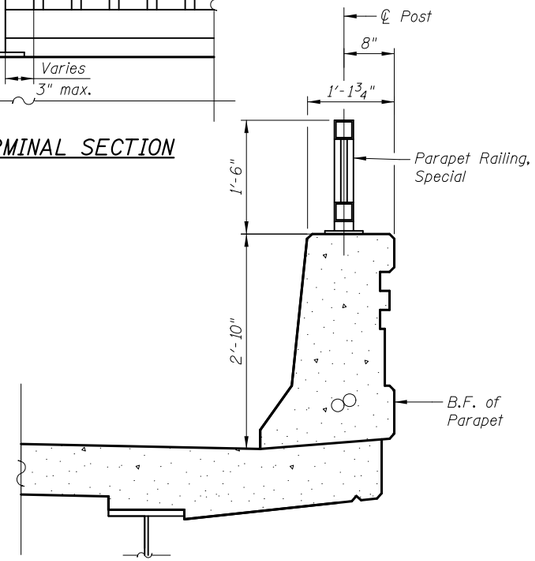
TERMINAL SECTION



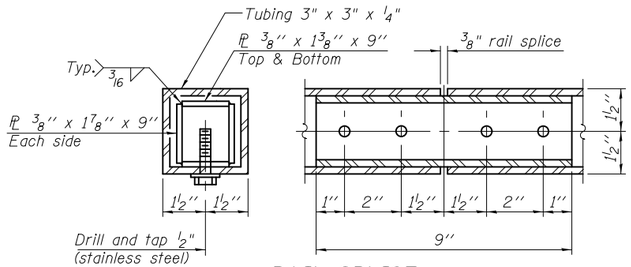
DETAIL A DETAIL B DETAIL C DETAIL D



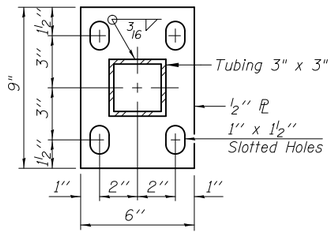
DETAIL E



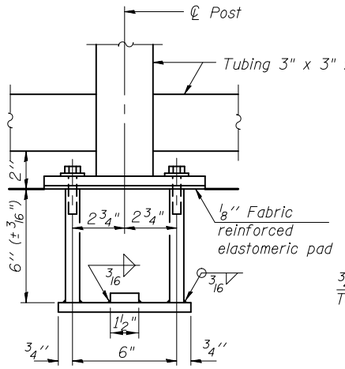
SECTION THRU PARAPET

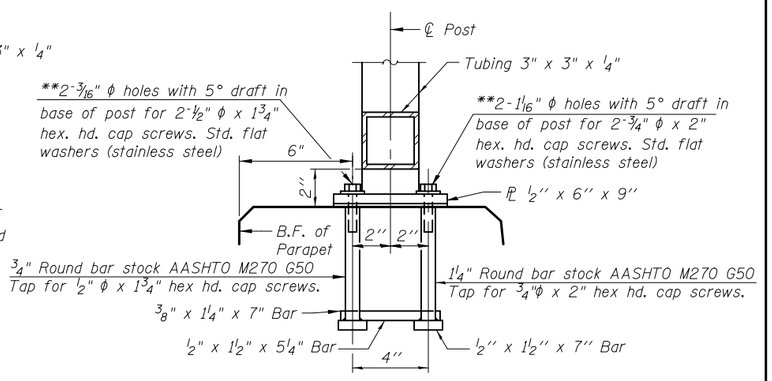


RAIL SPLICE



BASE PL





ANCHOR BOLT DETAILS

Notes:
All post, railing, splices, anchor devices, and plates shall be painted the color Traffic Black (RAL 9017).
All posts shall be normal to the parapet.
All joints in rail shall be spliced detail.
All exposed rail ends shall be capped per detail.
Provide (1) 1/8" and (2) 1/16" aluminum shims for 25% of the posts.
Rail elements shall be parallel to grade - High spots shall be ground and low spots shimmed. Cost included in Parapet Railing, Special.

** In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting stainless steel anchor rods of the same diameter and grade as the specified cap screws according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Parapet Railing, Special	Foot	270

CIVILTECH
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www.civiltechinc.com

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DESIGNED - D. ATKINS	REVISED -	
CHECKED - G. HATLESTAD	REVISED -	
DATE - 5/3/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARAPET RAILING, SPECIAL
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA15 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	475
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			

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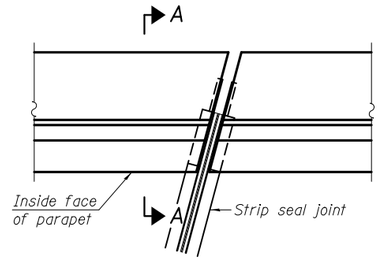
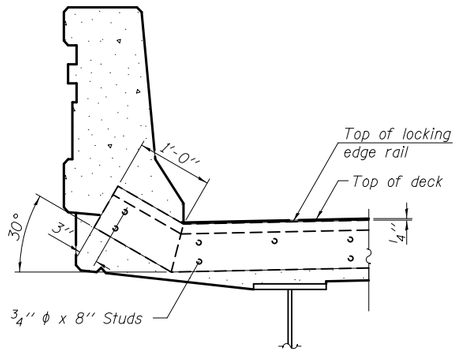
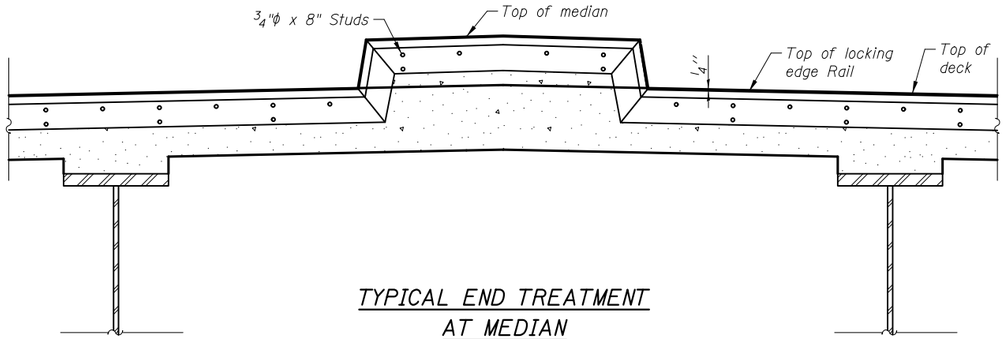


PLAN
(For skews ≤ 30°)



SECTION A-A



TYPICAL END TREATMENT AT MEDIAN

Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.

Notes:

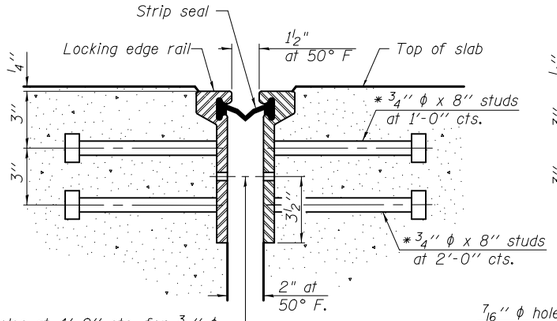
The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.

The manufacturer's recommended installation methods shall be followed.

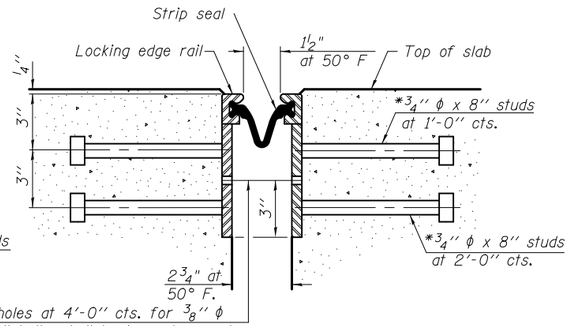
The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.



7/16" ϕ holes at 4'-0" cts. for 3/8" ϕ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

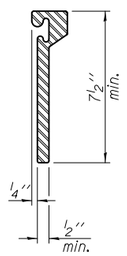
SECTION THRU ROLLED RAIL JOINT



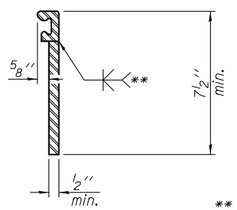
7/16" ϕ holes at 4'-0" cts. for 3/8" ϕ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

SECTION THRU WELDED RAIL JOINT

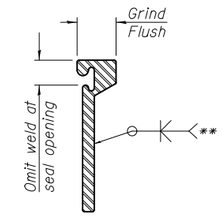
* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



ROLLED EXTRUDED RAIL



WELDED RAIL



** Back gouge not required if complete joint penetration is verified by mock-up.

LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue.

Rolled rail shown, welded rail similar.

LOCKING EDGE RAILS

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	157

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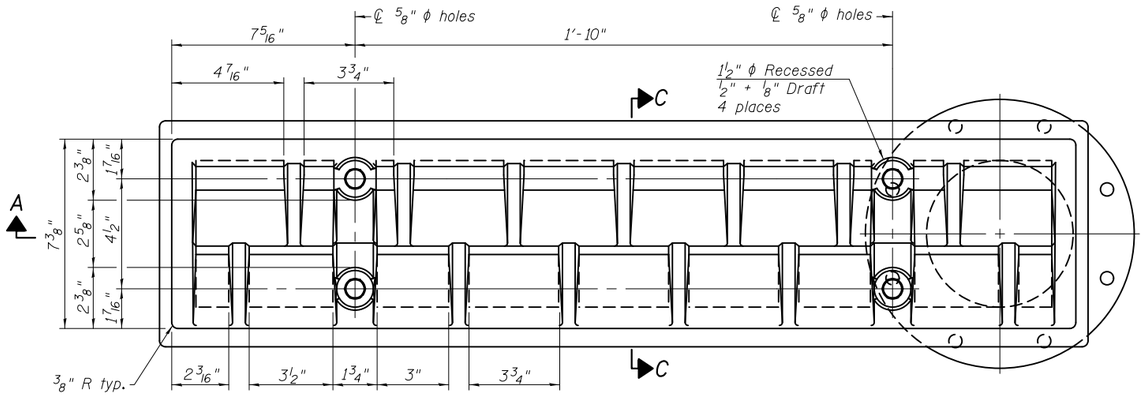
DESIGNED	- D. ATKINS	REVISED	-
CHECKED	- G. HATLESTAD	REVISED	-
DATE	- 5/3/2012	REVISED	-

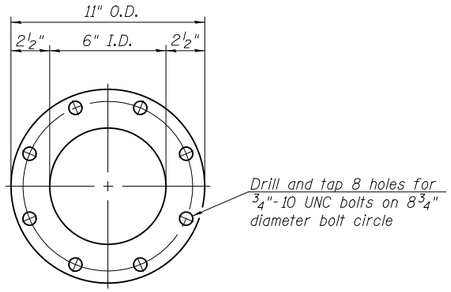
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA16 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	476
		CONTRACT NO. 60F72		
	ILLINOIS	FED. AID PROJECT		



PLAN



VIEW B-B

Notes:

All cast iron parts shall be gray iron conforming to the requirements of AASHTO M 105, Class 35B.

Bolts, anchor studs, washers and nuts shall conform to the requirements of ASTM A 307 and shall be galvanized according to AASHTO M 232.

Downspouts located on the exterior side of a painted steel fascia beam shall be painted with the finish coat specified for the exterior side of the fascia beam.

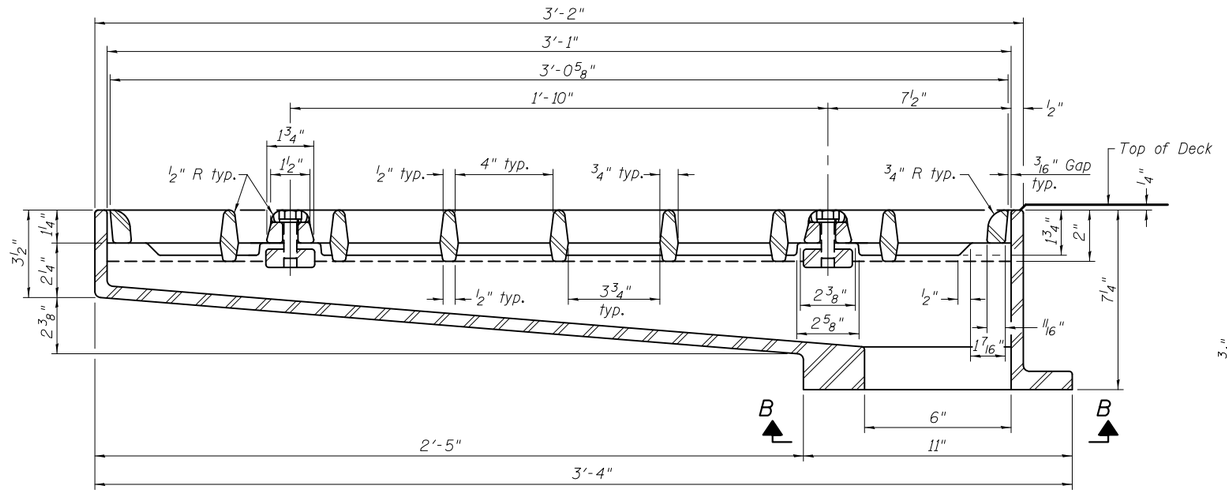
As an alternate, bolts, anchor studs, washers and nuts may be stainless steel according to Article 1006.29(d) of the Standard Specifications.

Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frame. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval. Structural steel weldments shall not be substituted for the cast iron scupper grate. Structural steel frames and downspouts shall be galvanized according to AASHTO M111.

The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.

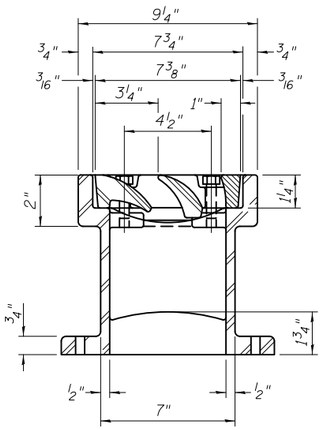
Cost of the Grate, Frame, Downspout, Anchor Studs, Bolts, Washers and Nuts including complete installation of the scupper shall be paid for at the contract unit price each for Drainage Scupper, DS-33.

Alternate fiberglass downspout conforming to ASTM D 2996 with a short-time rupture strength hoop tensile stress of 30,000 psi min. may be used in lieu of the cast iron or steel equivalent.

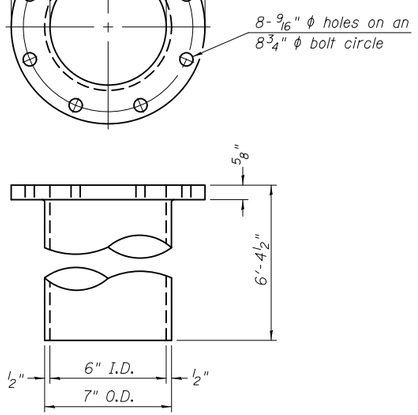


SECTION A-A

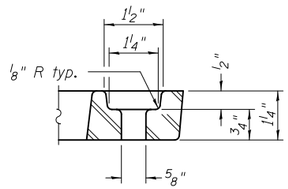
See sheet SA9 for scupper location relative to parapet.



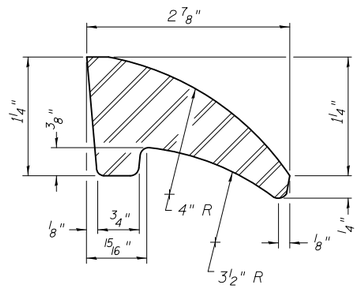
SECTION C-C



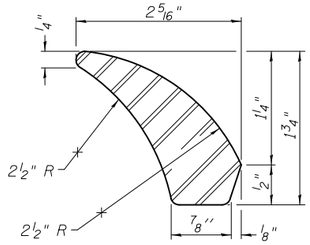
DOWNSPOUT



BOLT HOLE DETAIL



FIRST VANE DETAIL



SECOND VANE DETAIL

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scupper, DS-33	Each	2

DS-33 7-1-10

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Tel: 630.773.3900 Fax: 630.773.3975
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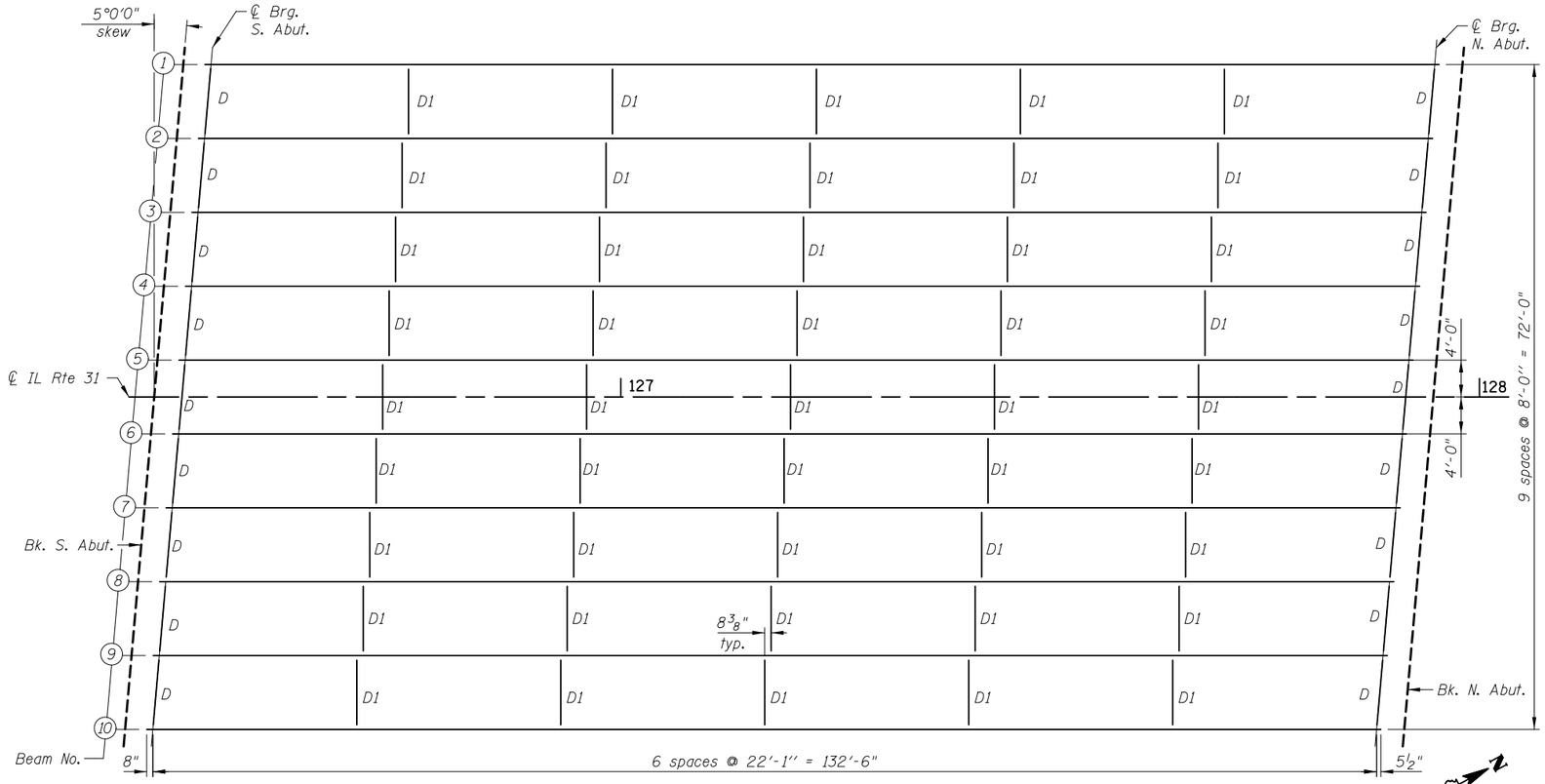
DESIGNED	- D. ATKINS	REVISED	-
CHECKED	- G. HATLESTAD	REVISED	-
DATE	- 5/3/2012	REVISED	-

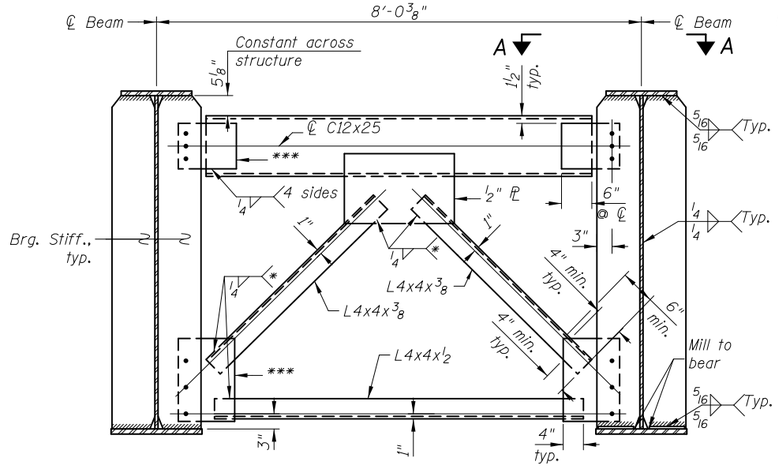
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCUPPER, DS-33
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA17 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	477
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			

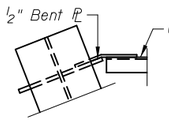


PLAN

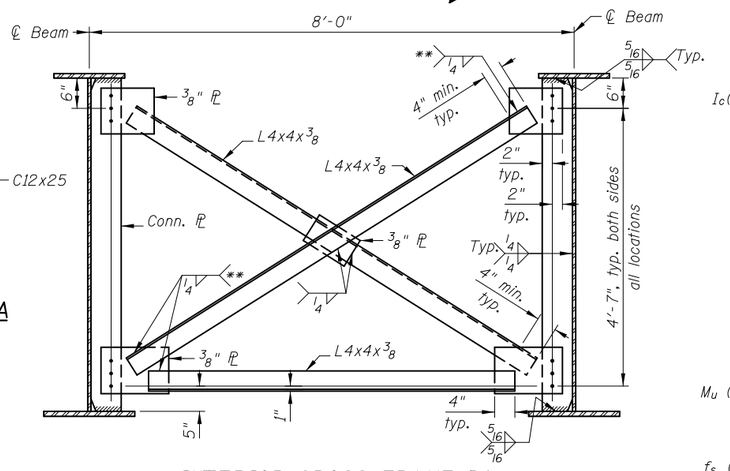


END CROSS FRAME D

(18 Required)



SECTION A-A



INTERIOR CROSS FRAME D1

(45 Required)

* Weld on near side of 1/2" plate.
** Fillet weld angles along 3 sides on one face of gusset plate.
*** 1/2" Plates to be bent for skew.

Notes:
Detail 15/16" ϕ holes for all 3/4" ϕ bolts.
Two hardened washers required for each set of oversized holes.
Place diaphragm with channel flanges and outstanding angle legs outward with abutment backwall.

INTERIOR GIRDER MOMENT TABLE		0.5 Span
I_s	(in^4)	52,529
$I_c(n)$	(in^4)	125,389
$I_c(3n)$	(in^4)	89,961
S_s	(in^3)	1,770
$S_c(n)$	(in^3)	2,405
$S_c(3n)$	(in^3)	2,181
DC1	(k/')	1.126
M_{DC1}	('k)	2,471
DC2	(k/')	0.143
M_{DC2}	('k)	314
DW	(k/')	0.360
M_{DW}	('k)	790
M_{L+IM}	('k)	2,523
M_u (Strength I)	('k)	9,081
$\phi_f M_n$	('k)	12,853
f_s DC1	(ksi)	16.76
f_s DC2	(ksi)	1.73
f_s DW	(ksi)	4.35
f_s 1.3(L+IM)	(ksi)	16.36
f_s (Service II)	(ksi)	39.19
f_s (Total)(Strength I)	(ksi)	~~51.65~~
V_f	(k)	30.8

INTERIOR GIRDER REACTION TABLE		Abutment
R_{DC1}	(k)	74.61
R_{DC2}	(k)	9.47
R_{DW}	(k)	23.85
R_{L+IM}	(k)	109.2
R_{Total}	(k)	217.1

I_s, S_s: Non-composite moment of inertia and section modulus of the steel section used for computing f_s(Total-Strength I, and Service II) due to non-composite dead loads (in.^{4} and in.^{3}).

$I_c(n)$, $S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s(Total-Strength I, and Service II) due to short-term composite live loads (in.^{4} and in.^{3}).

$I_c(3n)$, $S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s(Total-Strength I, and Service II) due to long-term composite (superimposed) dead loads (in.^{4} and in.^{3}).

DC1: Un-factored non-composite dead load (kips/ft.).

M_{DC1}: Un-factored moment due to non-composite dead load (kip-ft.).

DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).

M_{DC2}: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).

DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).

M_{DW}: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).

M_{L+IM}: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

M_u (Strength I): Factored design moment (kip-ft.).
$1.25\ (M_{DC1} + M_{DC2}) + 1.5\ M_{DW} + 1.75\ M_{L+IM}$

$\phi_f M_n$: Compact composite positive moment capacity computed according to Article 6.10.7.1 (kip-ft.).

f_s (Service II): Sum of stresses as computed from the moments below (ksi).
$M_{DC1} + M_{DC2} + M_{DW} + 1.3\ M_{L+IM}$

f (Total)(Strength I): Sum of stresses as computed from the moments below on non-compact section (ksi).
$1.25\ (M_{DC1} + M_{DC2}) + 1.5\ M_{DW} + 1.75\ M_{L+IM}$

V_f: Maximum factored shear range in composite portion of span computed according to Article 6.10.10.

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DESIGNED - D. ATKINS	REVISED -	
CHECKED - G. HATLESTAD	REVISED -	
DATE - 5/3/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA18 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	478
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			

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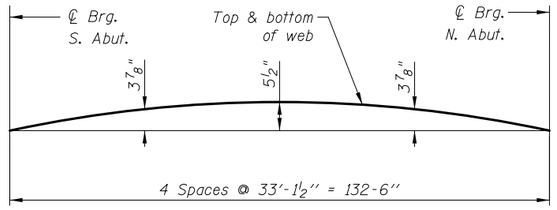
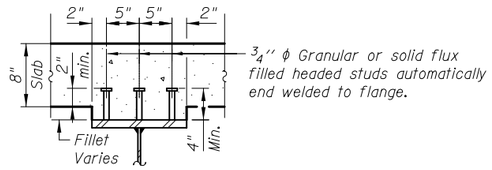


CAMBER DIAGRAM

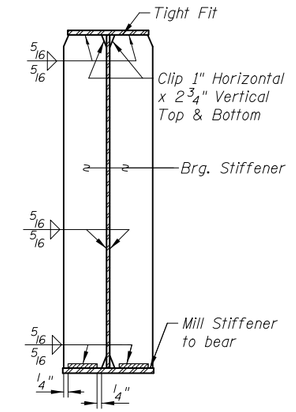


SECTION A-A

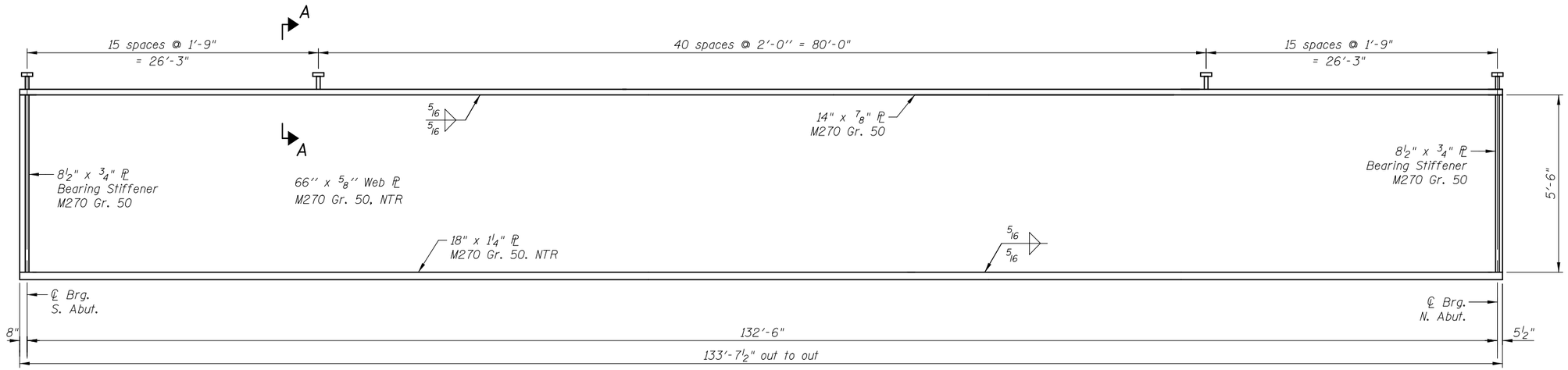
TOP OF WEB ELEVATIONS

(For Fabrication Only)

GIRDER	℄ Brg. S. Abut.	℄ Brg. N. Abut.
1	767.77	769.23
2	767.93	769.38
3	768.09	769.54
4	768.25	769.70
5	768.41	769.86
6	768.40	769.85
7	768.22	769.68
8	768.05	769.51
9	767.88	769.33
10	767.70	769.16



SECTION
AT ABUTMENT



GIRDER ELEVATION

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Furnishing and Erecting Structural Steel	L. Sum	0.32
Stud Shear Connectors	Each	2,130

Note:

Load carrying components designated "NTR" shall conform to the Impact Testing Requirements, Zone 2.

Refer to sheets SA11 & SA12 for the Ornamental Aluminum Lattice for the West Fascia of Beam 1 and the East Fascia of Beam 10.

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DESIGNED	- D. ATKINS	REVISED -
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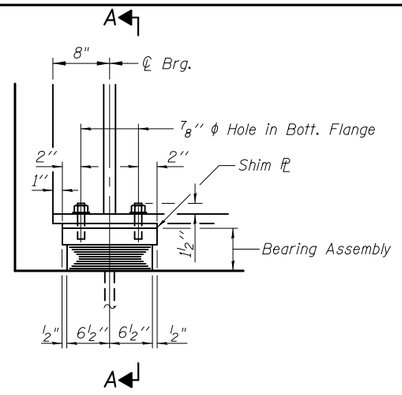
DATE	- 5/3/2012	REVISED -

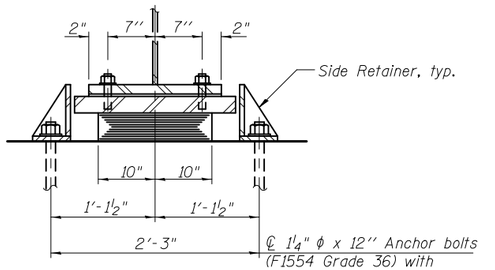
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLATE GIRDER DETAILS
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA19 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	479
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			

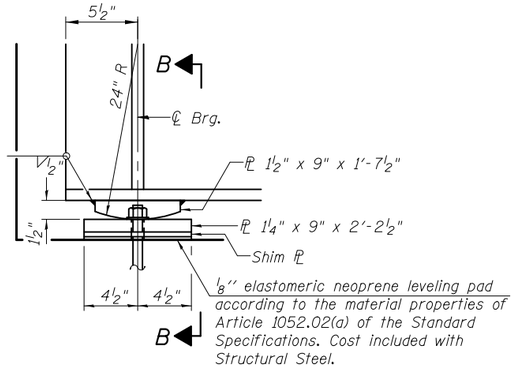


ELEVATION AT S. ABUT.

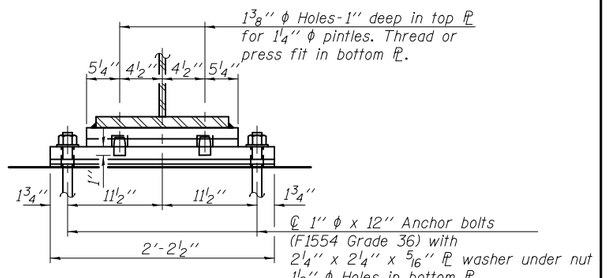


SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.



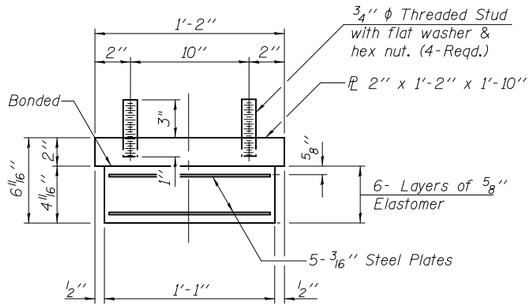
ELEVATION AT N. ABUTMENT



SECTION B-B

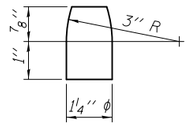
FIXED BEARING

(No. Required = 10)

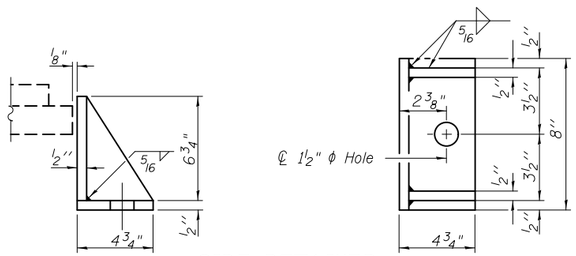


BEARING ASSEMBLY

Note:
Shim plates shall not be placed under Bearing Assembly.



PINTLE



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

Notes:

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

Anchor bolts for side retainers may be cast in place or installed in holes drilled before or after members are in place.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Side retainers and other steel members required for the elastomeric bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.

The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	10
Anchor Bolts, 1"	Each	20
Anchor Bolts, 1 1/4"	Each	20

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING DETAILS
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA20 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	480
		CONTRACT NO. 60F72		
	ILLINOIS	FED. AID PROJECT		

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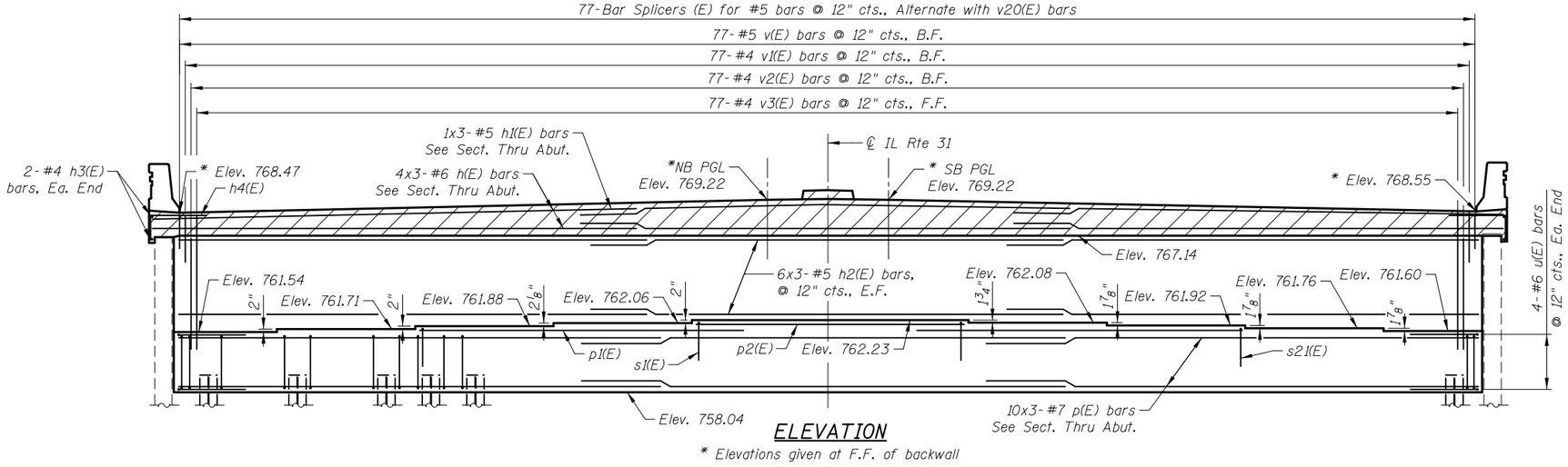
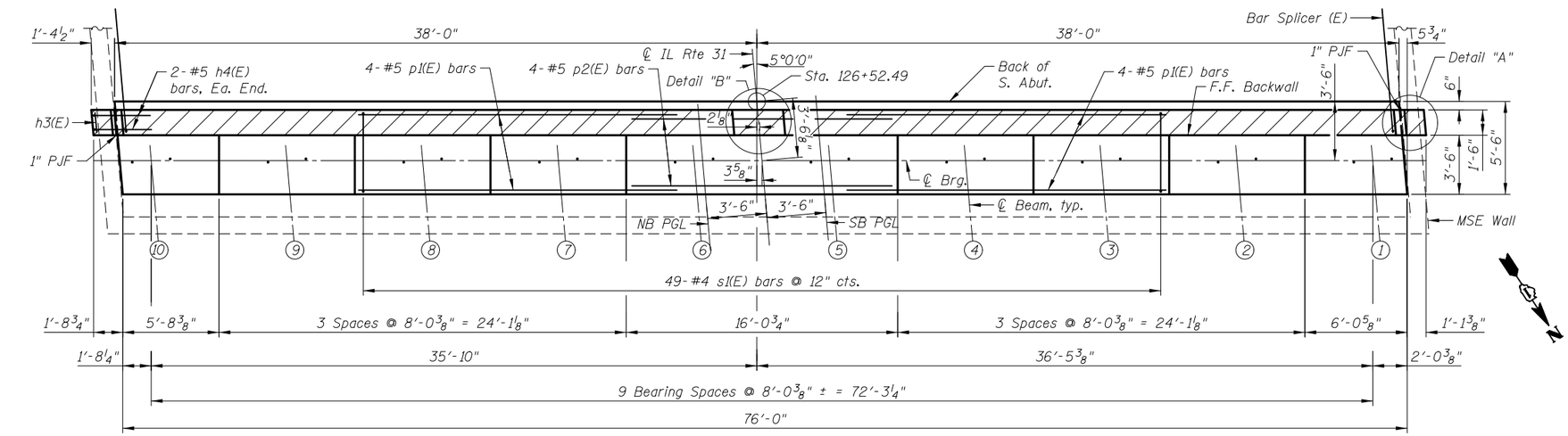
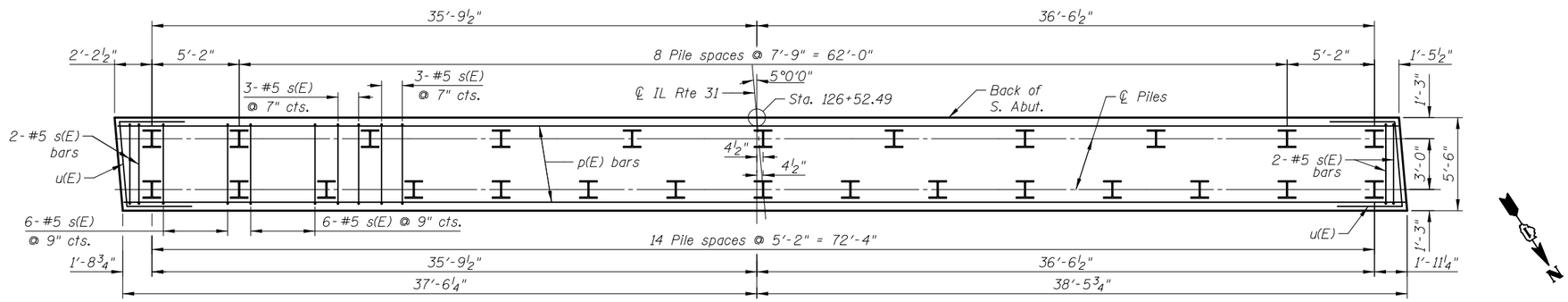


ELEVATION

* Elevations given at F.F. of backwall



TOP VIEW



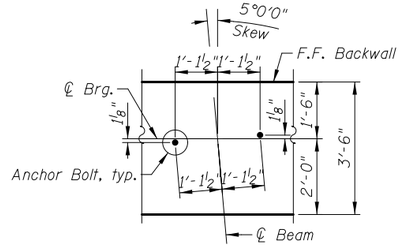
PLAN-PILE CAP

PILE DATA

Type: Steel HP 14x73
Nominal Required Bearing: 400 kips
Factored Resistance Available: 220 kips
Est. Length: 73 feet
No. Production Piles: 25
No. Test Piles: 1

MINIMUM BAR LAP

#5 bar = 3'-8"
#6 bar = 4'-5"
#7 bar = 5'-10"



ANCHOR BOLT DIAGRAM

Hatched area to be poured after superstructure false work has been removed.

Parapets to be poured with the Approach Slabs.

See Sheet SA23 for Details A & B and Bill of Material.

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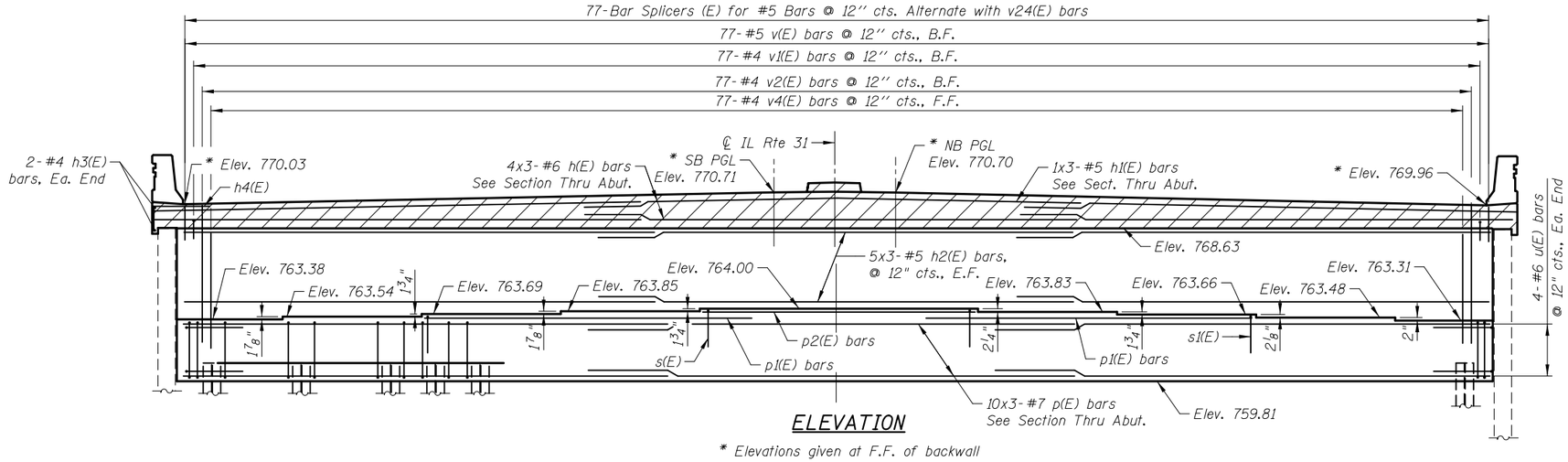
DATE - 5/3/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA21 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	481
		CONTRACT NO. 60F72		
	ILLINOIS	FED. AID PROJECT		



ELEVATION

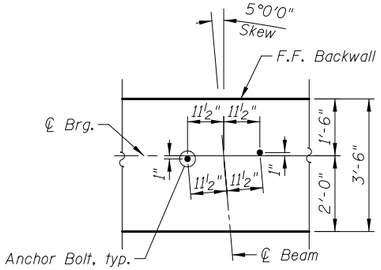
* Elevations given at F.F. of backwall

PILE DATA

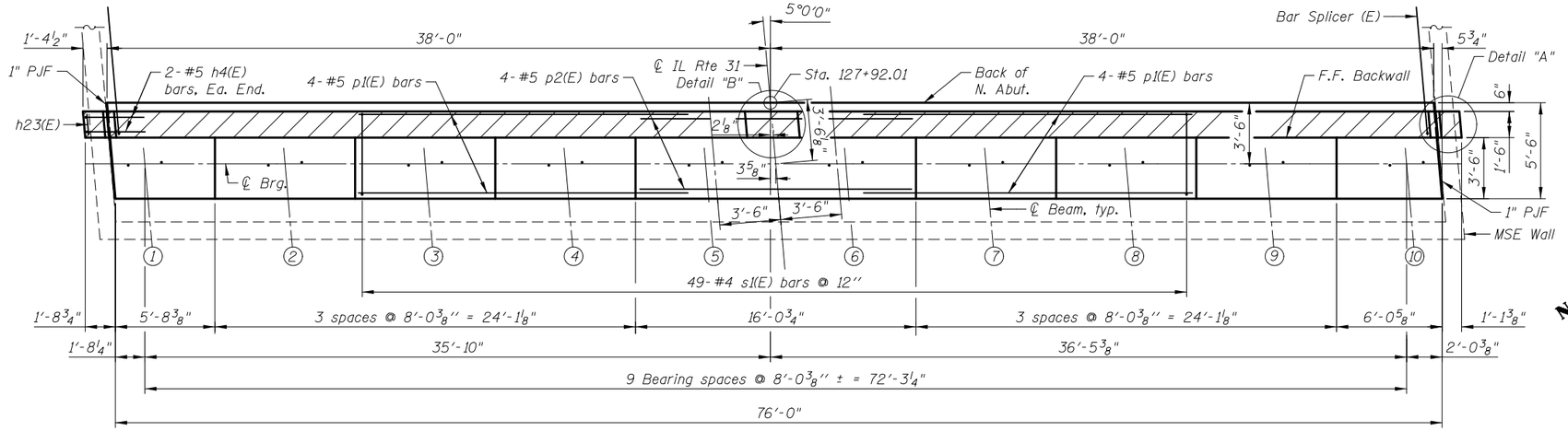
Type: Steel HP 14x73
Nominal Required Bearing: 400 kips
Factored Resistance Available: 220 kips
Est. Length: 83 feet
No. Production Piles: 25
No. Test Piles: 1

MINIMUM BAR LAP

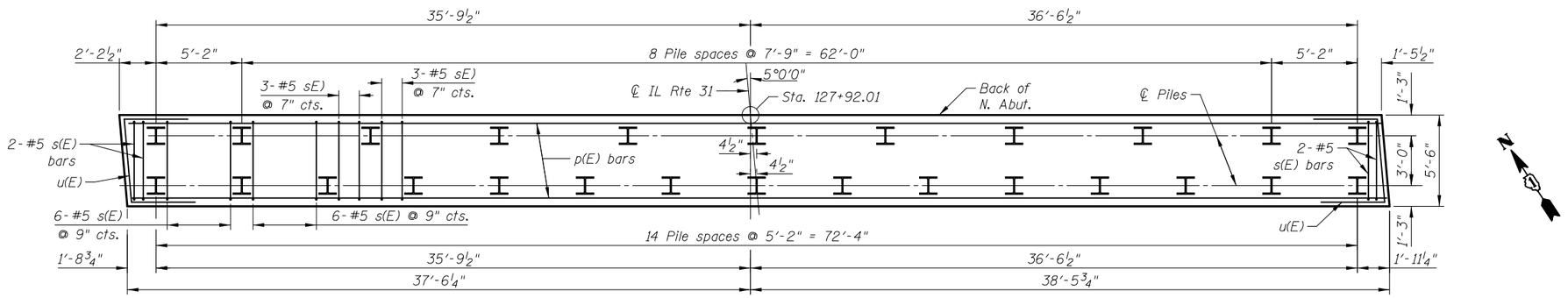
#5 bar = 3'-8"
#6 bar = 4'-5"
#7 bar = 5'-10"



ANCHOR BOLT DIAGRAM



TOP VIEW



PLAN-PILE CAP

Hatched area to be poured after superstructure false work has been removed.

Parapets to be poured with the Approach Slabs.

See Sheet SA23 for Details A & B and Bill of Material.

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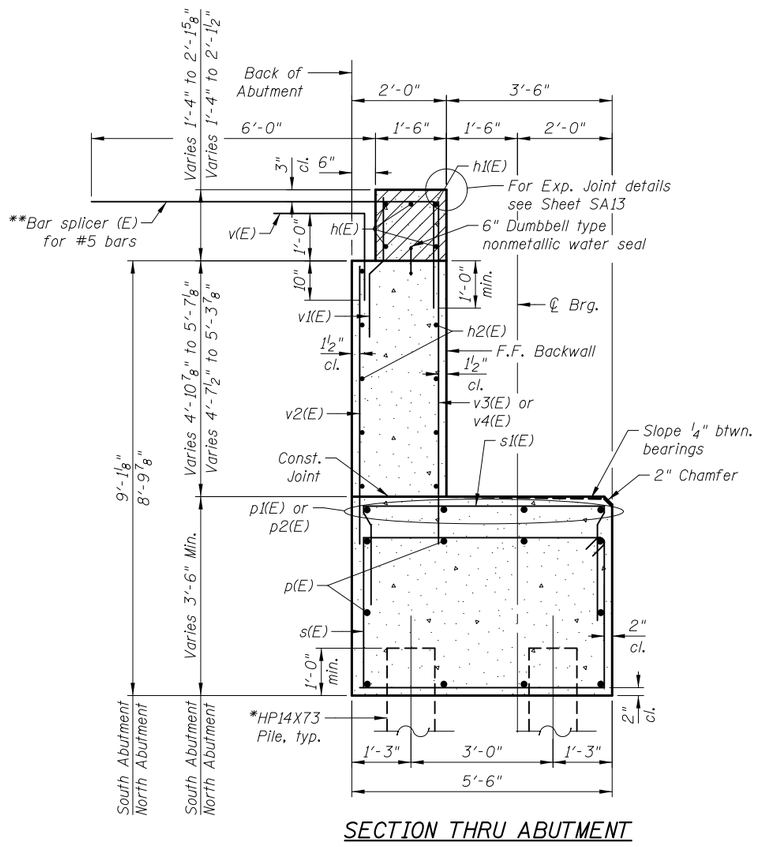
CHECKED	- G. HATLESTAD	REVISED	-
DATE	- 5/3/2012	REVISED	-

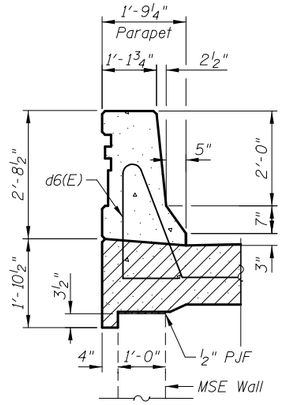
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA22 OF SA33 SHEETS

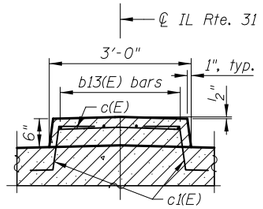
O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	482
		CONTRACT NO. 60F72		
ILLINOIS FED. AID PROJECT				



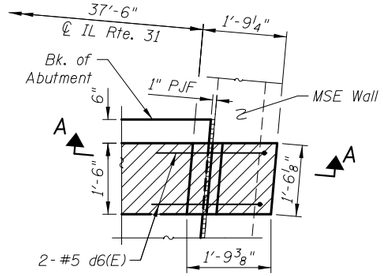
SECTION THRU ABUTMENT



SECTION A-A

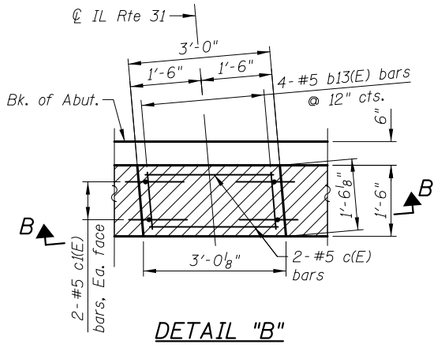


SECTION B-B



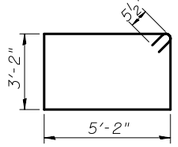
DETAIL "A"

(All Parapets are similar or mirror views)

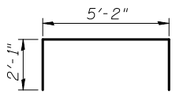


DETAIL "B"

(S. Abut. shown, N. Abut. is mirror image)



BARS s(E)



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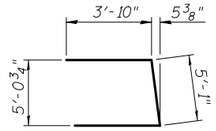

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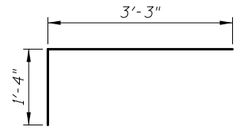

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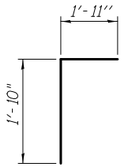
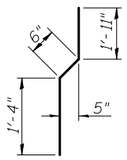
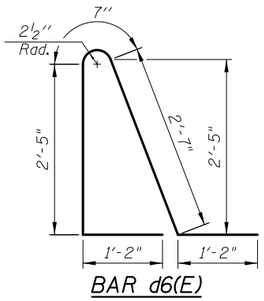


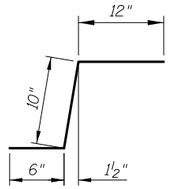
BAR v(E)



BAR v1(E)



BAR d6(E)



BAR c1(E)

BILL OF MATERIAL

(For 2 Abutments)

Bar	No.	Size	Length	Shape
b13(E)	8	#5	1'-3"	
c(E)	4	#5	2'-8"	
c1(E)	8	#5	2'-4"	
d6(E)	8	#5	7'-11"	
h(E)	24	#6	29'-2"	
h1(E)	6	#5	28'-8"	
h2(E)	66	#5	27'-8"	
h3(E)	8	#4	1'-3"	
h4(E)	8	#5	4'-7"	
p(E)	60	#7	29'-2"	
p1(E)	16	#5	18'-10"	
p2(E)	8	#5	15'-9"	
s(E)	176	#5	17'-7"	
s1(E)	98	#4	9'-4"	
u(E)	16	#6	12'-9"	
v(E)	154	#5	3'-9"	
v1(E)	154	#4	3'-9"	
v2(E)	154	#4	6'-6"	
v3(E)	77	#4	7'-11"	
v4(E)	77	#4	7'-7"	

ITEM	UNIT	QUANTITY
Concrete Structures	Cu. Yd.	177.4
Concrete Superstructure	Cu. Yd.	12.0
Bridge Deck Grooving	Sq. Yd.	25
Protective Coat	Sq. Yd.	25
Reinforcement Bars, Epoxy Coated	Pound	13,910
Furnishing Steel Piles HP 14x73	Foot	3,900
Driving Piles	Foot	3,900
Test Pile HP 14x73	Each	2
Pile Shoes	Each	52
Concrete Sealer	Sq. Ft.	1,307

Bars indicated thus 4x3-#5 etc. indicates 4 lines of bars with 3 lengths per line.

* Piles shall be driven prior to placement of the reinforced select fill and coated with coal tar epoxy from the bottom of the select fill to 1" above the base of the abutment. The cost of the coal tar epoxy coating shall be included with the cost of the Furnishing Piles.

** Bar Splicers shall be parallel to the approach slab reinforcement.

Notes:

Hatched area to be poured after superstructure false work has been removed. Quantity of concrete included with Concrete Superstructure.

Parapet area to be poured with the approach slabs.

Space reinforcement in cap to miss anchor bolts.

Pour steps monolithically with cap.

For Pile details see sheet SA24.

For details of Bar Splicers see sheet SA29.

Concrete Sealer shall be applied to the designated areas of the backwalls and bridge seats of the abutments.

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DESIGNED - D. ATKINS	REVISED -	
CHECKED - G. HATLESTAD	REVISED -	
DATE - 5/3/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENT DETAILS
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA23 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	483
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			

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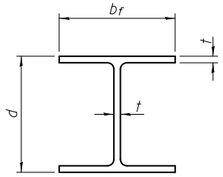
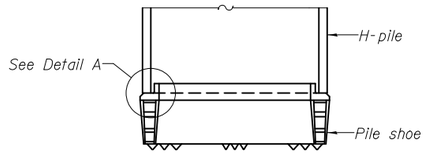
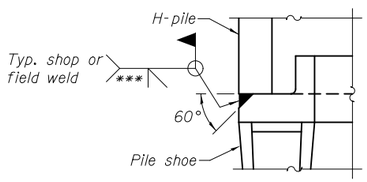


STEEL PILE TABLE

Designation	Depth d	Flange width b_f	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13/16"	30"
x102	14"	14 3/4"	11/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	11/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"

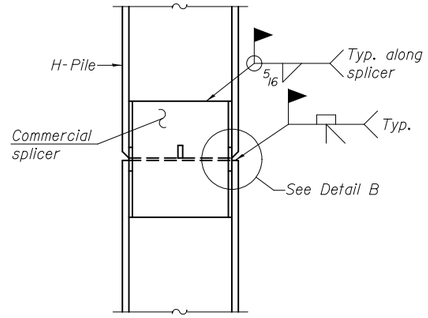


ELEVATION



DETAIL A

H-PILE SHOE ATTACHMENT



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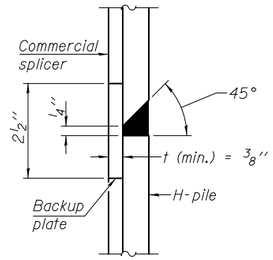
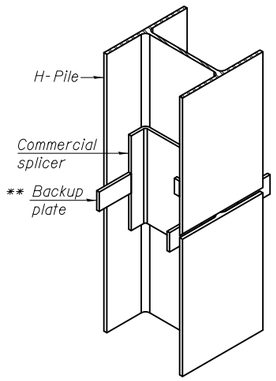
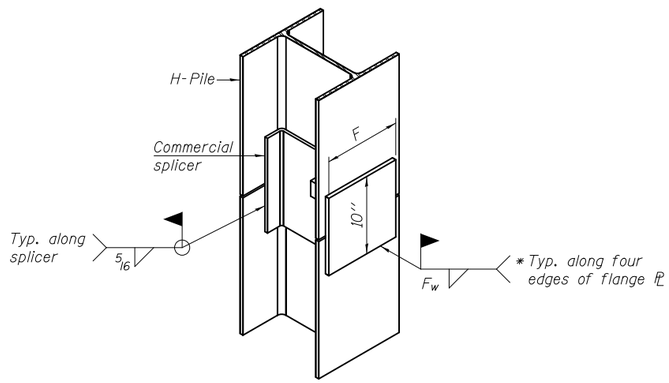


DETAIL "B"



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



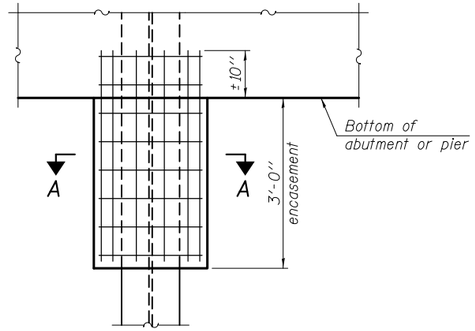
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

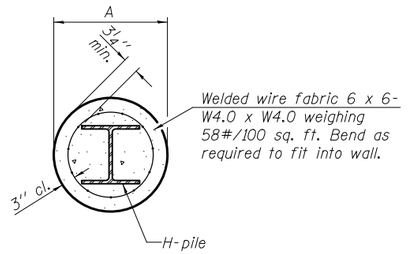
* Interrupt welds 1/4" from end of web and/or each flange.

** Remove portions of backup plates that extend outside the flanges.

*** Weld size per pile shoe manufacturer (5/16" min.).



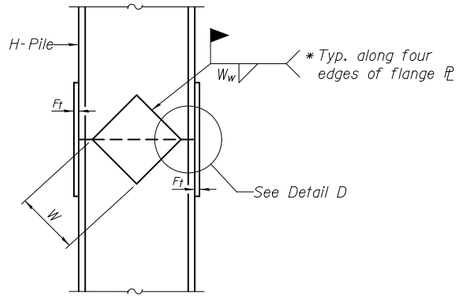
ELEVATION



Note:
Forms for encasement may be omitted when soil conditions permit.

SECTION A-A

PILE ENCASEMENT



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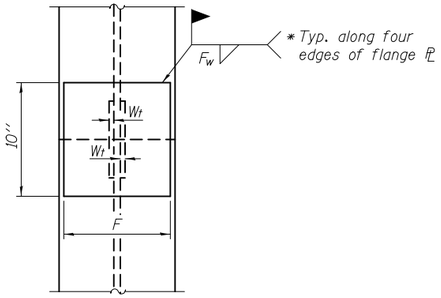
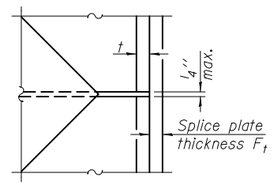


END VIEW



DETAIL D

Designation	F	F_t	F_w	W	W_t	W_w
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	11/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	11/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	11/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

WELDED PLATE FIELD SPLICE

Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.

F-HP 7-1-10

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DESIGNED	- D. ATKINS	REVISED	-
CHECKED	- G. HATLESTAD	REVISED	-
DATE	- 5/3/2012	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PILE DETAILS
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA24 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	484
		CONTRACT NO. 60F72		
	ILLINOIS	FED. AID PROJECT		

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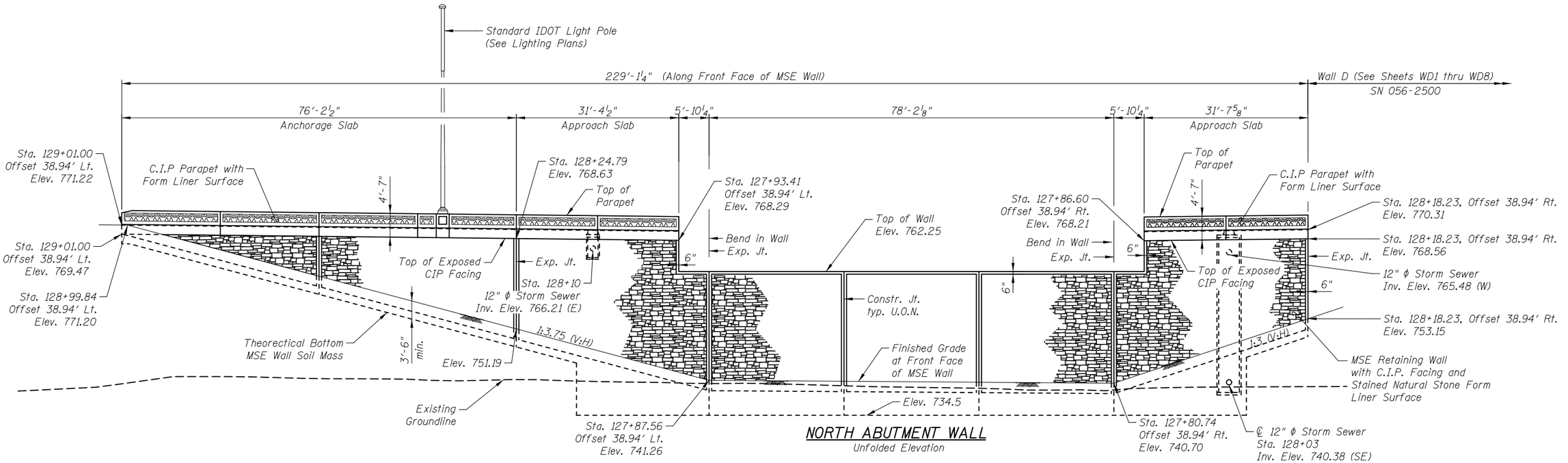
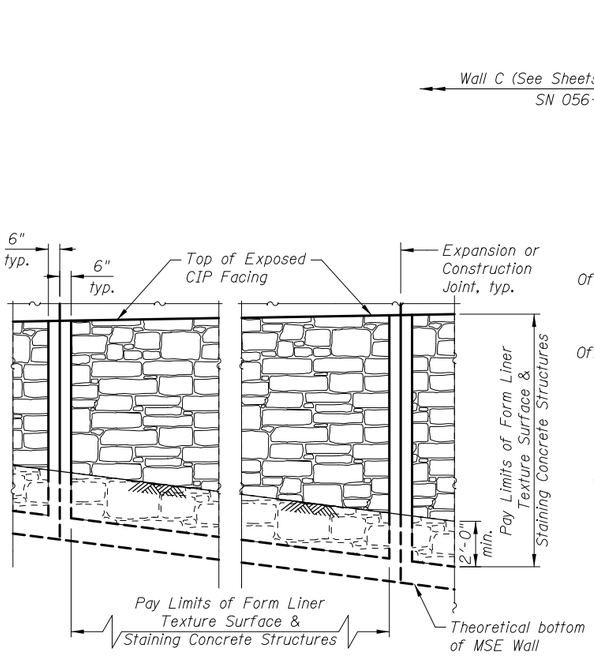
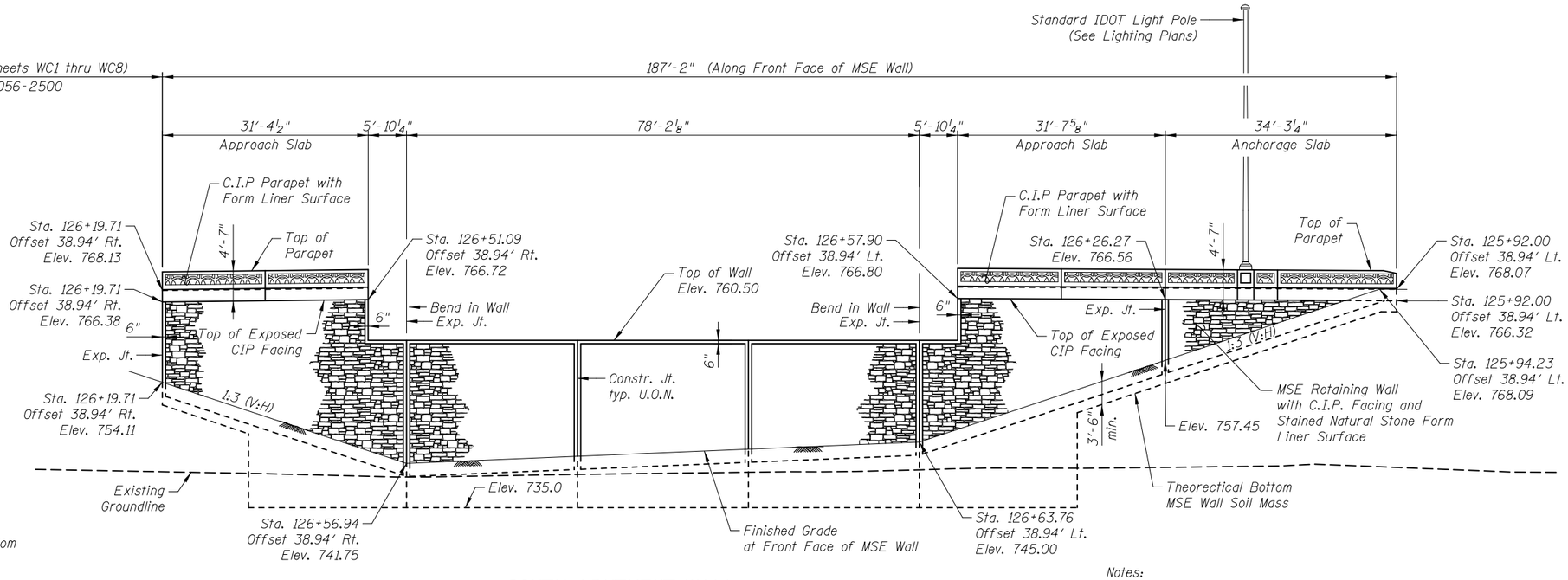


NORTH ABUTMENT WALL

Unfolded Elevation



FORM LINER TEXTURE SURFACE DETAIL



SOUTH ABUTMENT WALL

Unfolded Elevation

Notes:
See sheet SA1 for Plan View
See sheet SA12 for Parapet Form Liner Details.
Offsets are measured from ℄ IL Rte. 31 to Front Face of MSE Wall.

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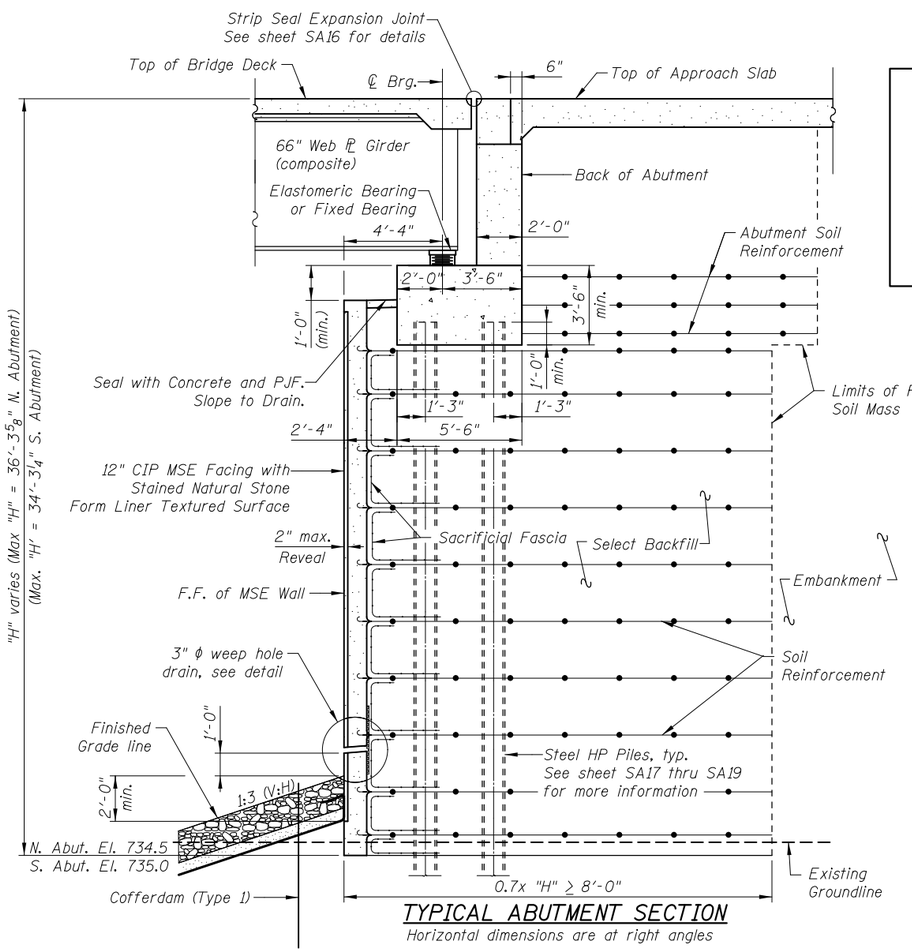
DESIGNED	- D. ATKINS	REVISED -
CHECKED	- G. HATLESTAD	REVISED -
DATE	- 5/3/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MSE WALLS
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA25 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	485
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			

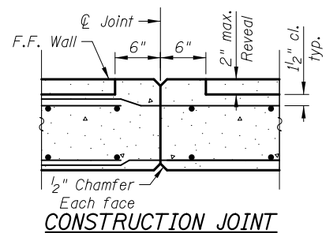


TYPICAL ABUTMENT SECTION

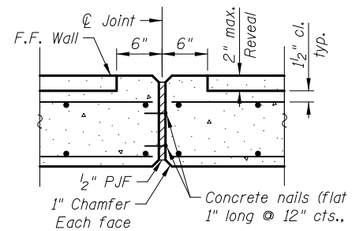
Horizontal dimensions are at right angles

The MSE Wall supplier shall design the abutment soil reinforcement to resist an unfactored horizontal force of 4.7 kips/ft. of abutment.

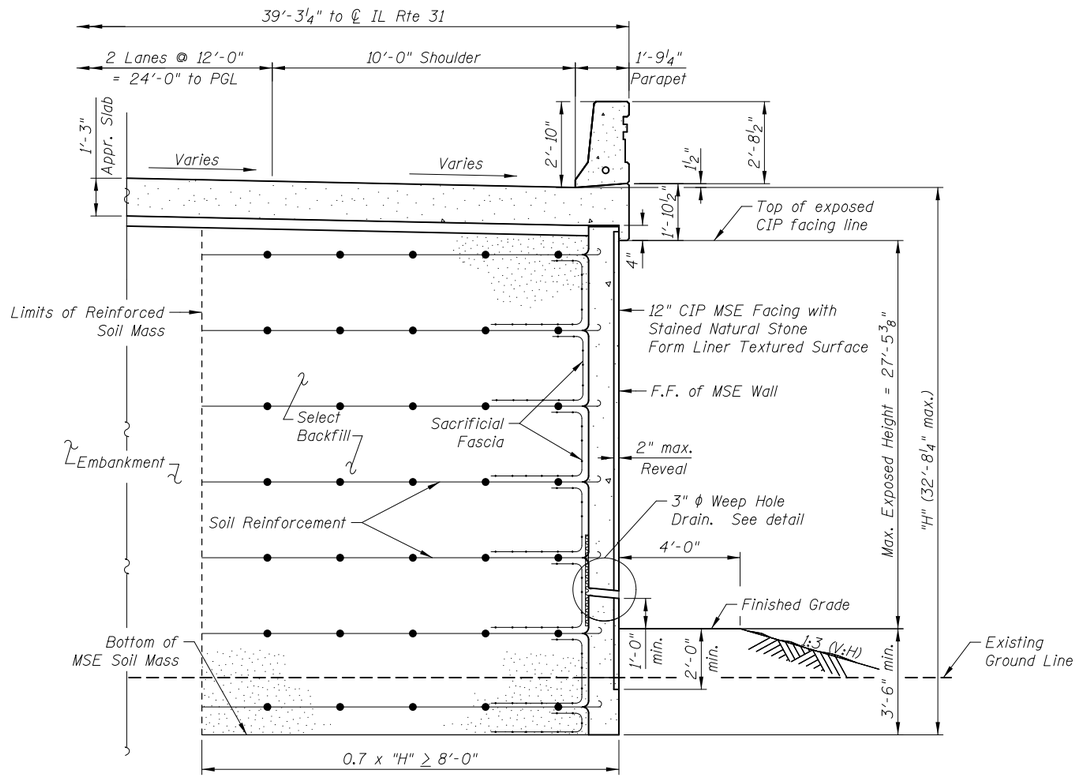
The MSE wall supplier's internal stability design shall account for the anchorage slab's bearing pressure surcharge of 1.0 ksf and horizontal sliding force of 0.5 kips/ft. of wall.



CONSTRUCTION JOINT



EXPANSION JOINT

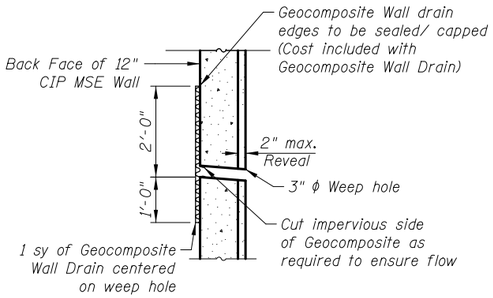


SECTION THRU APPROACH SLAB AND MSE WING WALLS

Horizontal dimensions are at right angles

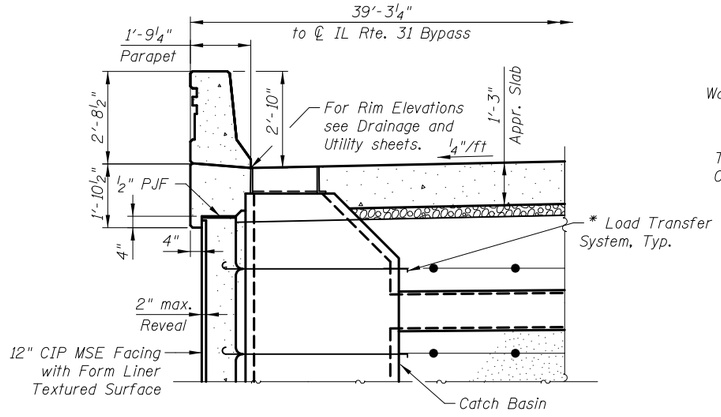
BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Structures	Cu Yd.	2.5
Form Liner Textured Surface	Sq. Ft.	6,979
Geocomposite Wall Drain	Sq. Yd.	54
Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	9,311
Staining Concrete Structures	Sq. Yd.	775



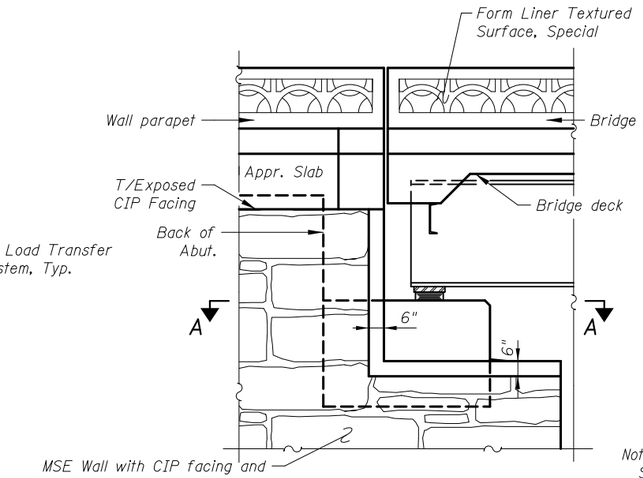
WEEP HOLE DRAIN DETAIL

Weep hole spacing shall be at ±8'-0" horizontally

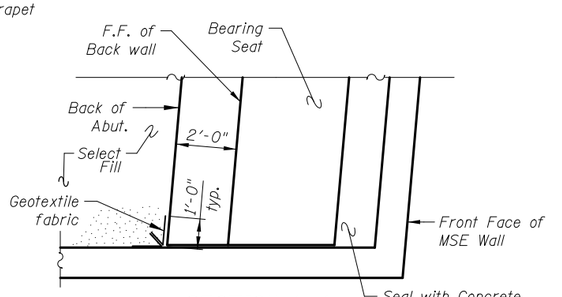


SECTION THRU DRAINAGE STRUCTURE

* M.S.E. supplier to design load tansfer system to accommodate concrete pipe and catch basin



ABUTMENT END VIEW



SECTION A-A

Notes:
See Sheet SA28 for anchorage slab details.
Seal with concrete and PJF shall be paid for as Concrete Structures.
Geotextile Fabric shall be paid for as Mechanically Stabilized Earth Retaining Wall.
For Form Liner Textured Surface details see sheet SA25.

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DESIGNED	- D. ATKINS	REVISED -
CHECKED	- G. HATLESTAD	REVISED -
DATE	- 5/3/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MSE WALL DETAILS
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA26 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	486
		CONTRACT NO. 60F72		
		ILLINOIS FED. AID PROJECT		

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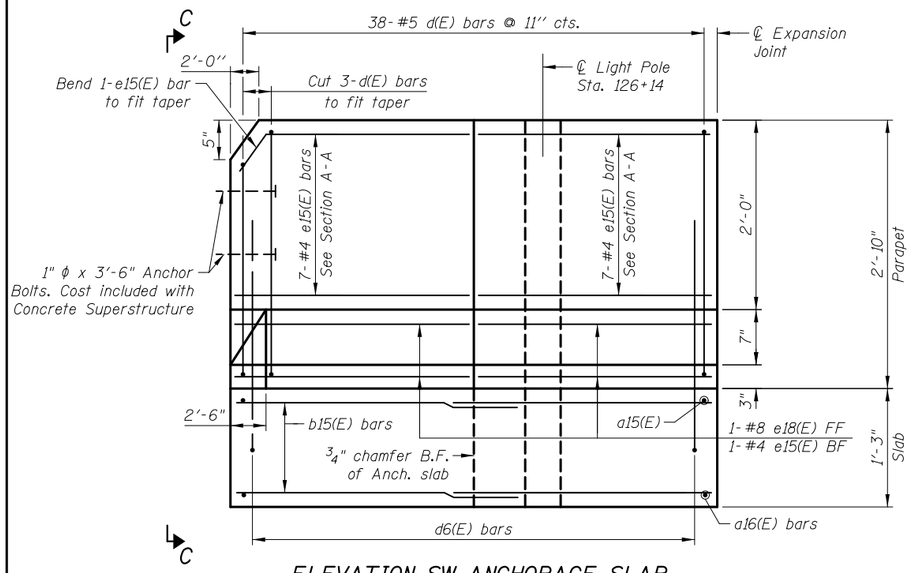
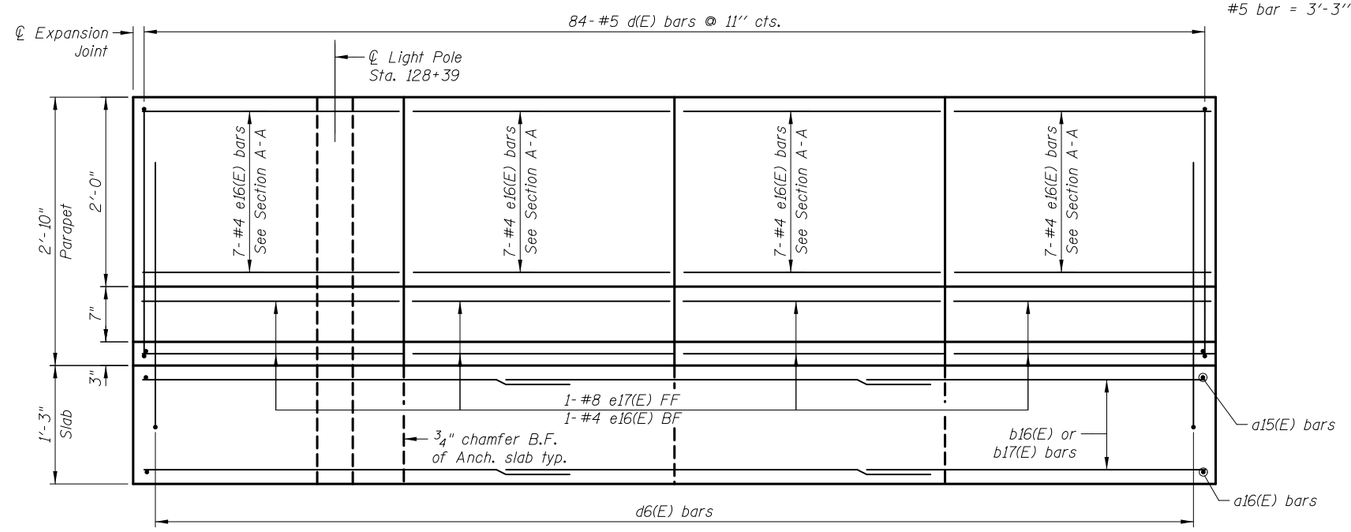


ELEVATION SW ANCHORAGE SLAB

(Front face of parapet)

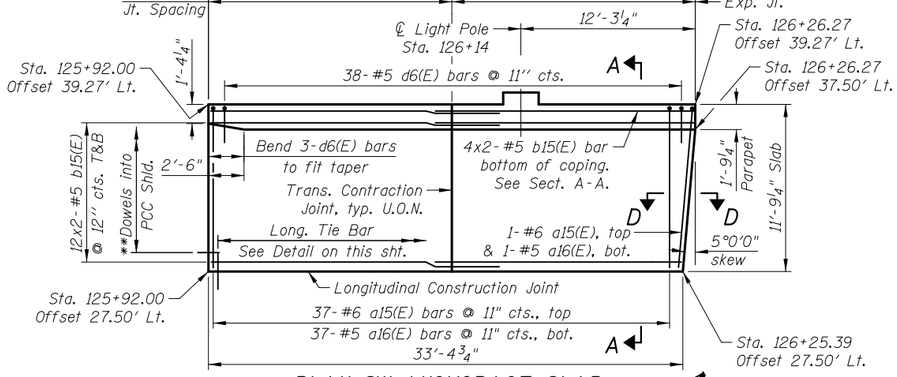


ELEVATION NW ANCHORAGE SLAB

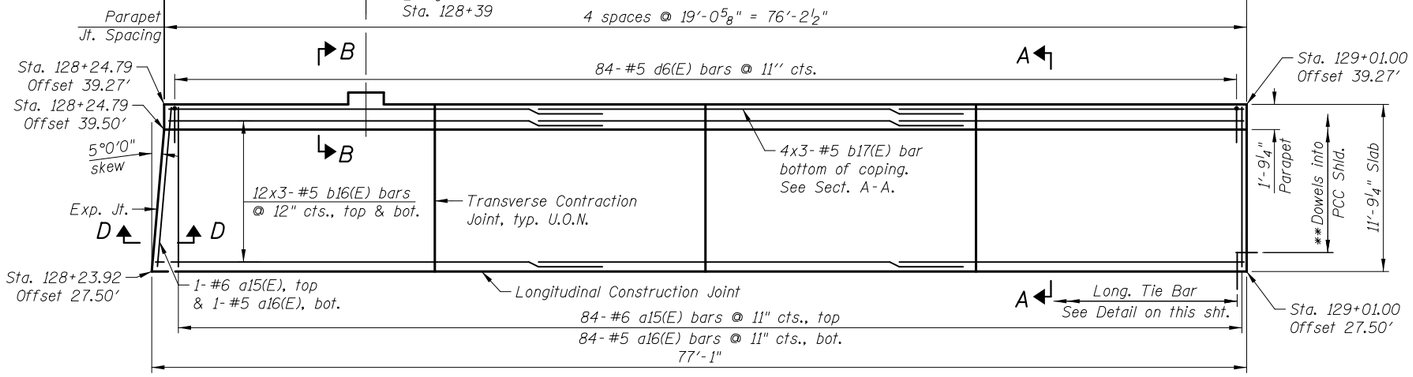
(Front face of parapet)

MINIMUM BAR LAP

#5 bar = 3'-3''

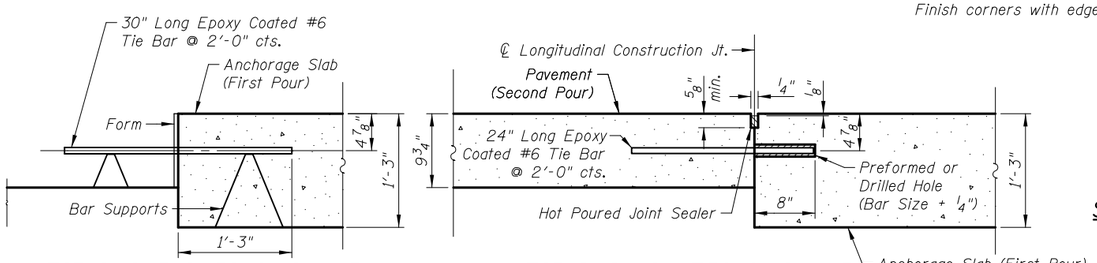


PLAN SW ANCHORAGE SLAB



PLAN NW ANCHORAGE SLAB

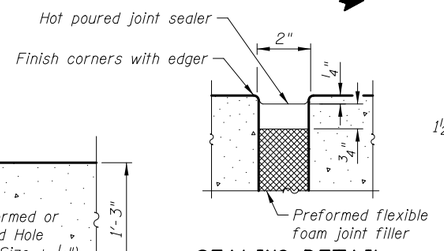
Sheet Notes:
See sheet SA28 for reinforcement schedule & Bill of Material.
See sheet SA28 for Sections A-A, B-B, View C-C, Section D-D and Trans. Contraction Jt. Detail
** Indicates dowels into PCC Shld. See Transverse Expansion Joint Detail.
U.O.N. denotes Unless Otherwise Noted



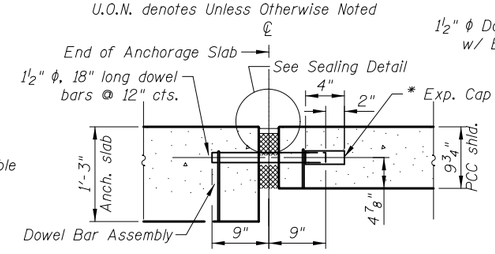
TIE BAR FORMED IN PLACE

TIE BAR GROUTED IN PLACE

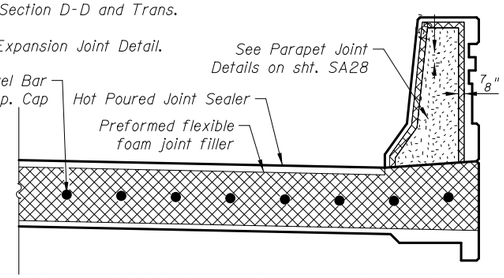
LONGITUDINAL CONSTRUCTION JOINT



SEALING DETAIL



TRANSVERSE EXP. JOINT



TRANSVERSE EXPANSION JOINT SECTION

* Expansion caps shall be installed on the exposed end of each dowel bar once the header has been removed and the joint filler material has been installed. Expansion Joint and Dowel Bars included in the cost of Concrete Superstructures.

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DESIGNED - D. ATKINS	REVISED -	
CHECKED - G. HATLESTAD	REVISED -	
DATE - 5/3/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ANCHORAGE SLABS
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA27 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	487
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			

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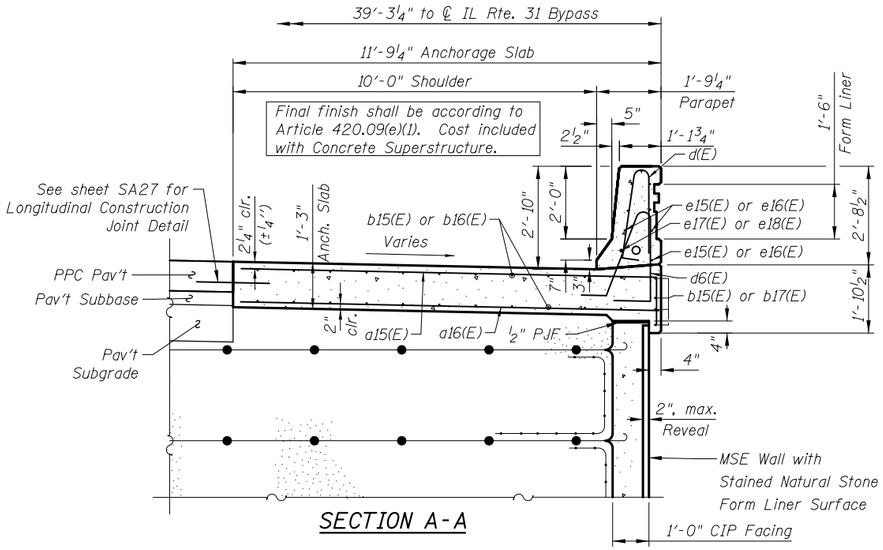
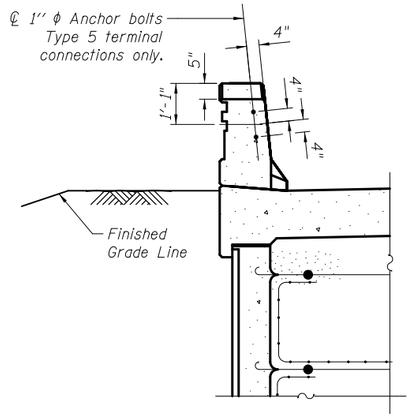
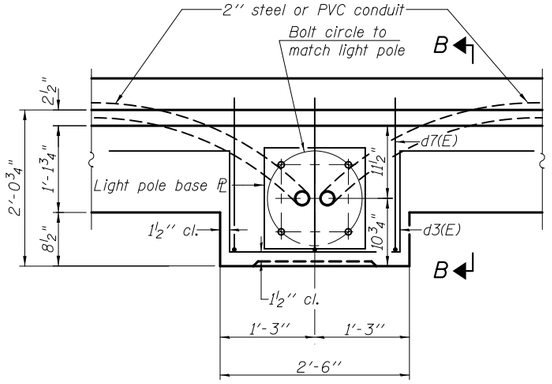
5/2/2012



SECTION A-A



VIEW C-C



LIGHT POLE FOUNDATION PLAN

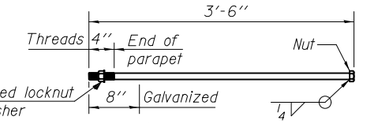
Cost of anchor bolts is included with Concrete Superstructure.

ANCHORAGE SLABS BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a15(E)	123	#6	12'-9"	
a16(E)	123	#5	11'-5"	
b15(E)	56	#5	18'-8"	
b16(E)	72	#5	27'-9"	
b17(E)	12	#5	27'-6"	
d(E)	122	#5	5'-7"	
d3(E)	10	#6	8'-11"	
d6(E)	122	#5	7'-11"	
d7(E)	6	#6	4'-5"	
e15(E)	16	#4	16'-10"	
e16(E)	32	#4	18'-9"	
e17(E)	4	#8	18'-9"	
e18(E)	2	#8	16'-10"	

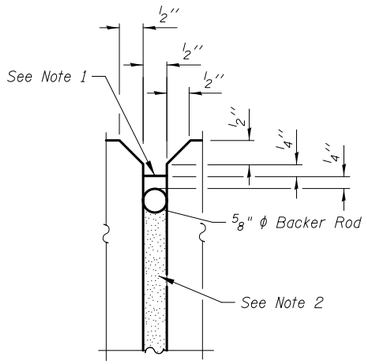
ITEM	UNIT	QUANTITY
Concrete Superstructure	Cu. Yds.	78.3
Protective Coat	Sq. Yd.	174
Reinforcement Bars, Epoxy Coated	Pound	10,110
Form Liner Textured Surface, Special	Sq. Ft.	146

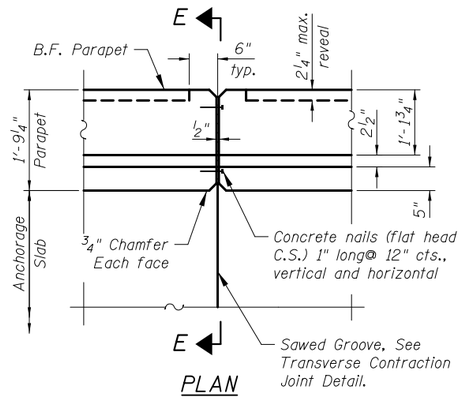
Bars indicated thus 8x2 - #5 etc. indicates 8 lines of bars with 2 length per line



1"ϕ ANCHOR BOLT

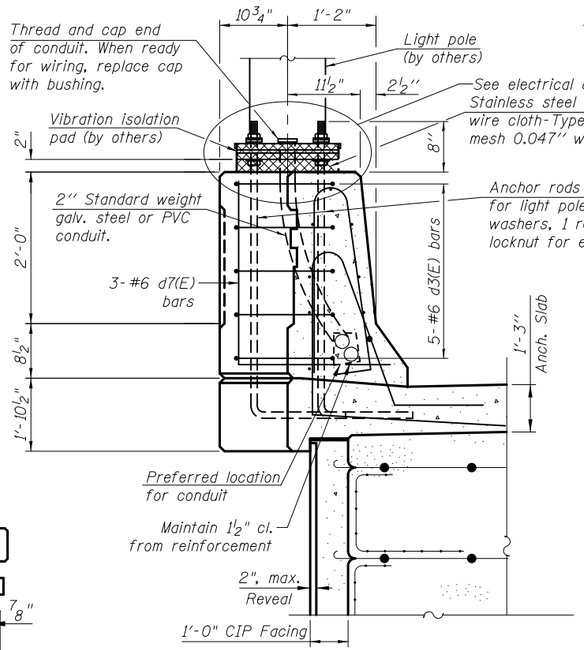
Cost included with Concrete Superstructure



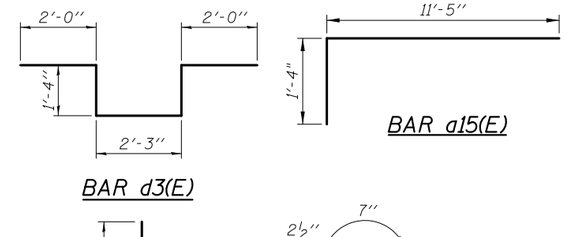


PLAN

PARAPET JOINT DETAILS

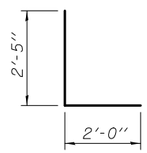


SECTION B-B

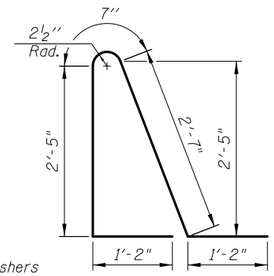


BAR a15(E)

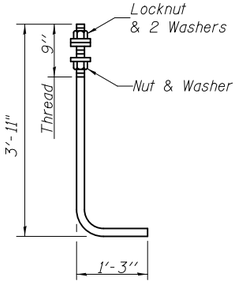
BAR d3(E)



BAR d7(E)

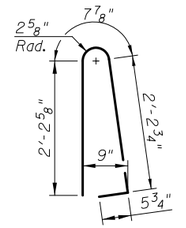


BAR d6(E)



ANCHOR ROD

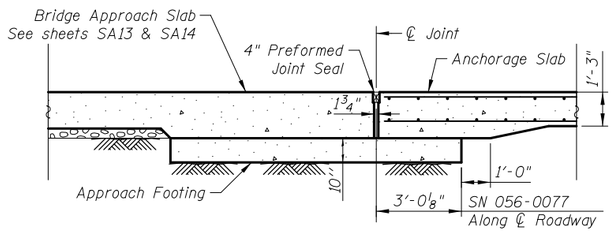
Diameter as specified for light poles. (ASTM F 1554 Grade 105)



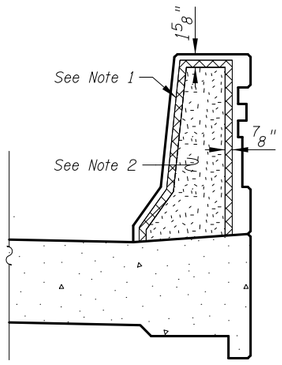
BAR d(E)

Parapet Joint Notes:

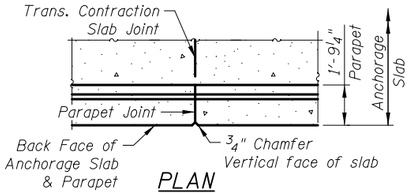
1. Non-staining gray one component non-sag elastomeric gun grade polyurethane sealant meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25, use T with a 5/8" backer rod.
2. 1/2" Preformed Self-Expanding Cork Joint Filler according to Article 1051.07 of the Std. Spec. Cost included with Concrete Superstructure.



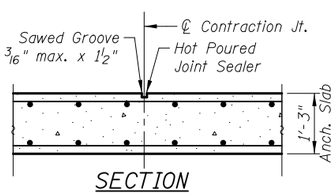
SECTION D-D



SECTION E-E



PLAN



SECTION

TRANSVERSE CONTRACTION JOINT

See Art. 420.05(c) of Standard Specifications

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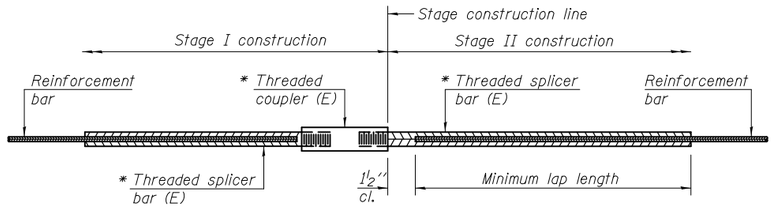
DESIGNED - D. ATKINS	REVISED -	
CHECKED - G. HATLESTAD	REVISED -	
DATE - 5/3/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ANCHORAGE SLAB DETAILS
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA28 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	488
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			



STANDARD BAR SPLICER ASSEMBLY

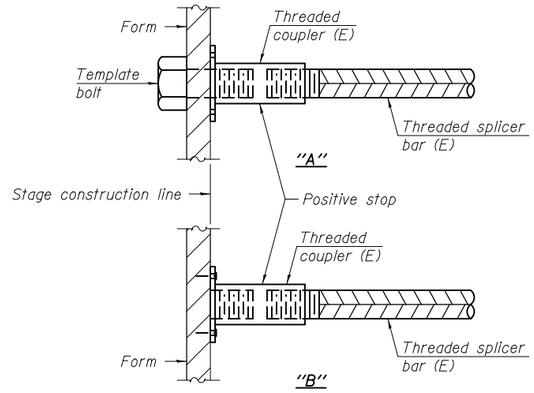
Minimum Lap Lengths					
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-3"
5	1'-9"	2'-5"	2'-7"	2'-11"	2'-10"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-4"
7	2'-9"	3'-10"	4'-2"	4'-8"	4'-6"
8	3'-8"	5'-1"	5'-5"	6'-2"	5'-10"
9	4'-7"	6'-5"	6'-10"	7'-9"	7'-5"

Table 1: Black bar, 0.8 Class C
Table 2: Black bar, Top bar lap, 0.8 Class C
Table 3: Epoxy bar, 0.8 Class C
Table 4: Epoxy bar, Top bar lap, 0.8 Class C
Table 5: Epoxy bar, Top bar lap, Class B

Threaded splicer bar length = min. lap length + 1½" + thread length

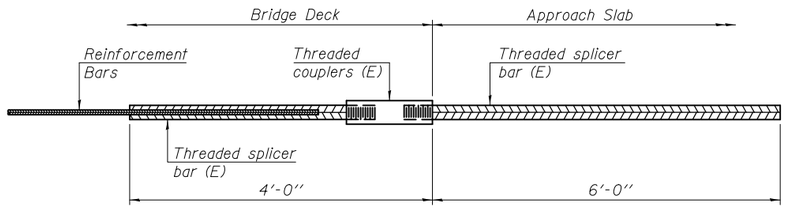
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length



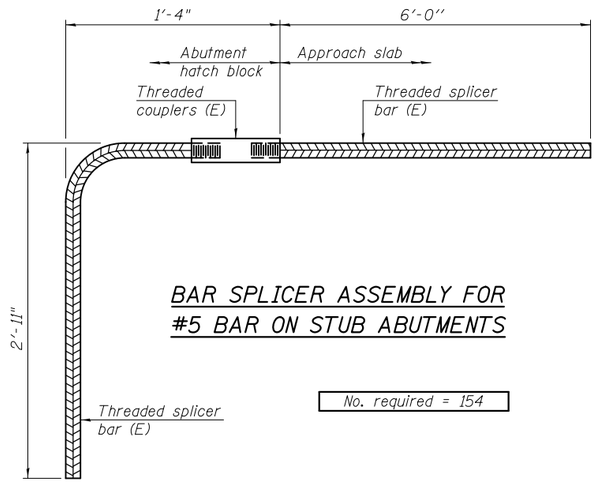
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required =



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required = 154

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

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DESIGNED	- D. ATKINS	REVISED -
CHECKED	- G. HATLESTAD	REVISED -
DATE	- 5/3/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY DETAILS
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA 29 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	489
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			

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MIDLAND STANDARD ENGINEERING & TESTING, INC.

BRIDGE FOUNDATION BORING LOG

SHEET 1 OF 2

PROJECT IL. 31 - Algonquin Bypass | BRIDGE IL. 31 over Crystal Creek | DATE 1/7/09

ROUTE IL. Route 31 at IL. Route 62 | BORED BY SPE

SECTION | STATION 126+45 to 127+90 | CHECKED BY WJW

COUNTY McHenry

BORING BB-7

STATION 127+90

OFFSET 29' L of CL

WATER LEVEL DURING DRILLING 3.5'

GROUND WATER AT COMPLETION 3.0'

Grouted at Completion

	Depth	N/6"	Qu tsf	W %
GROUND SURFACE EL. 740.3	Ft			
Brown and Black Silty CLAY/TOPSOIL		2 2 2	-	13
Dark Grey Sandy LOAM, little Peat, A-4, slightly dense 738.3				
	5	1 2 3	-	35
Brown SAND and GRAVEL, A-1, dense 734.8		14 17 16	-	10
numerous Cobbles and Boulders				
	10	6 14 23	-	8
		8 20 26	-	7
Brown-Grey Clay LOAM, A-6, very stiff 727.3				
	15	7 10 15	3.53 B	13
		7 10 14	3.84 B	13
	20	5 9 16	3.98 B	13
Brown-Grey Clay LOAM, A-6, very stiff 720.3	Ft			
	25	5 10 13	3.86 B	13
		5 9 13	2.36 B	14
		5 8 12	2.48 B	14
	30	6 11 15	3.18 B	13
	35	6 10 13	2.78 B	13
continued	40	6 9 14	3.59 B	11

N-Standard Penetration Test- Blows per foot to drive 2 inch O.D. Split Spoon Sampler 12 inches with 140 lbs. hammer falling 30 inches

Qu- Unconfined Compressive Strength (tsf)
W- Water Content-percentage of oven dry weight (%)

Type failure: B- Bulge Failure, S- Shear Failure, E- Estimated Value, P-Penetrometer

MIDLAND STANDARD ENGINEERING & TESTING, INC.

BRIDGE FOUNDATION BORING LOG

SHEET 2 OF 2

BORING BB-7

	Depth	N/6"	Qu tsf	W %
CONTINUED	Ft			
Brown-Grey Clay LOAM, A-6, very stiff 700.3				
	45	5 9 13	3.36 B	13
Grey SAND (f-m), A-2, medium dense 694.3				
	50	3 5 6	-	19
End of Boring @ 50.0' 690.3				

MIDLAND STANDARD ENGINEERING & TESTING, INC.

BRIDGE FOUNDATION BORING LOG

SHEET 1 OF 2

PROJECT IL. 31 - Algonquin Bypass
BRIDGE IL. 31 over Crystal Creek
DATE 1/8/09
ROUTE IL. Route 31 at IL. Route 62
BORED BY SPE
SECTION
STATION 126+45 to 127+90
CHECKED BY WJK

COUNTY McHenry
BORING BB-8
STATION 127+89
OFFSET 29' R of CL

WATER LEVEL
DURING DRILLING 3.0'
GROUND WATER
AT COMPLETION
Grouted at Completion

	Depth	N/6"	Qu tsf	W %
GROUND SURFACE EL. 739.6	Ft			
Black Clay LOAM, A-7-6, stiff		1 2 3	1.0 P	68
Brown SAND and GRAVEL, A-1, medium dense to very dense 736.6	5	7 8 14	-	5
		34 27 25	-	9
	10	26 50/3"	-	9
		8 10 13	-	8
Grey Silt LOAM, A-4, medium dense 726.6		7 9 11	-	14
	15			
Brown-Grey Clay LOAM, A-6, hrn to stiff 724.1		4 6 7	0.93 B	15
		4 5 6	1.78 B	14
Grey SAND, A-2 700.1	20			

	Depth	N/6"	Qu tsf	W %
	Ft			
Brown and Grey Clay LOAM A-6, very stiff to hard 719.6				
	25	3 6 10	2.64 B	14
		4 8 11	3.17 B	13
		7 10 14	3.95 B	14
	30	7 11 16	3.52 B	13
		9 13 17	4.22 B	13
	35			
		3 3 4	3.0 P -	13
	40			

N-Standard Penetration Test-
Blows per foot to drive 2 inch
D. Split Spoon Sampler 12 inches
with 140 lbs. hammer falling 30 inches

Qu- Unconfined Compressive Strength (tsf)
W- Water Content-percentage of oven dry weight (%)

Type failure:
B- Bulge Failure
S- Shear Failure
E- Estimated Value
P-Penetrometer

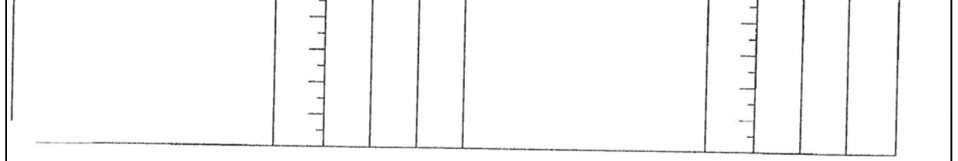
MIDLAND STANDARD ENGINEERING & TESTING, INC.

BRIDGE FOUNDATION BORING LOG

SHEET 2 OF 2

BORING BB-8

	Depth	N/6"	Qu tsf	W %
CONTINUED	Ft			
Grey SAND, A-2, slightly to medium dense 699.6				
	45	6 7 11	-	18
End of Boring @ 45.0' 694.6				



	Depth	N/6"	Qu tsf	W %
	Ft			

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DRAWN	- M. LANGE	REVISED -
DESIGNED	- D. ATKINS	REVISED -
CHECKED	- G. HATLESTAD	REVISED -
DATE	- 5/3/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS II
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA31 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	491
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			

MIDLAND STANDARD ENGINEERING & TESTING, INC.

BRIDGE FOUNDATION BORING LOG

SHEET 1 OF 2

PROJECT IL. 31 - Algonquin Bypass | BRIDGE IL. 31 over Crystal Creek | DATE 12/1/08

ROUTE IL. Route 31 at IL. Route 62 | BORED BY SPE

SECTION | STATION 126+45 to 127+90 | CHECKED BY WJW

COUNTY McHenry

BORING BB-9

STATION 126+45

OFFSET 26' L of CL

WATER LEVEL
DURING DRILLING 6.0'
GROUND WATER
AT COMPLETION 1.0'
Grouted at Completion

		Depth	N/6"	Qu tsf	W %
GROUND SURFACE EL.	741.1	Ft			
Black Silty CLAY/TOPSOIL					
Brown SAND, A-2, slightly dense	740.1		2 2 3	-	8
Brown SAND and GRAVEL, A-1, few Cobbles, dense	737.1	5	9 15 38	-	5
			12 15 37	-	8
		10	6 14 17	-	12
			17 17 31	-	9
Grey SAND, A-2, dense	728.1				
		15	19 24 23	-	10
Grey Clay LOAM, A-6, hard	725.5		8 11 15	4.37 S	13
		20	11 14 15	4.29 S	11
Grey Clay LOAM A-6, hard to very stiff	721.1	Ft			
		25	6 10 15	4.29 S	13
			6 9 15	3.94 B	16
			6 12 16	5.06 B	15
		30	7 13 18	3.48 B	15
Grey Sand LOAM seam @ 34.5'		35	6 14 12	3.03 B	14
		40	9 13 21	4.66 B	14
continued					

N-Standard Penetration Test-
Blows per foot to drive 2 inch
O.D. Split Spoon Sampler 12 inches
with 140 lbs. hammer falling 30 inches

Qu- Unconfined Compressive
Strength (tsf)
W- Water Content-percentage
of oven dry weight (%)

Type failure:
B- Bulge Failure
S- Shear Failure
E- Estimated Value
P-Penetrometer

MIDLAND STANDARD ENGINEERING & TESTING, INC.

BRIDGE FOUNDATION BORING LOG

SHEET 2 OF 2

BORING BB-9

		Depth	N/6"	Qu tsf	W %
CONTINUED		Ft			
Grey Clay LOAM, A-6	701.1				
Grey SAND (f-m), A-2, loose	699.6	45	0 1 1	-	21
		50	0 1 2	-	21
Grey SAND (f-m), A-2, dense	689.1	55	10 14 17	-	18
		60	10 17 19	-	14
Grey SAND (f-c) and GRAVEL, A-1, very dense	680.1	65	34 30 45	-	8

		Depth	N/6"	Qu tsf	W %
		Ft t)			
Grey Dolomite Bedrock, weathered	676.1				
			50/3"	-	8
End of Boring @ 68.8' Refusal	672.3	70			

CIVILTECH
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Itasca, Illinois 60143
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DRAWN	- M. LANGE	REVISED -
DESIGNED	- D. ATKINS	REVISED -
CHECKED	- G. HATLESTAD	REVISED -
DATE	- 5/3/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS III
ILLINOIS ROUTE 31 OVER CRYSTAL CREEK
STRUCTURE NO. 056-0077
SHEET NO. SA32 OF SA33 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	492
		CONTRACT NO. 60F72		
	ILLINOIS	FED. AID PROJECT		

MIDLAND STANDARD ENGINEERING & TESTING, INC.

BRIDGE FOUNDATION BORING LOG

SHEET 1 OF 2

PROJECT IL. 31 - Algonquin Bypass — BRIDGE IL. 31 over Crystal Creek — DATE 12/2/08

ROUTE IL. Route 31 at IL. Route 62 — BORED BY SPE

SECTION — STATION 126+45 to 127+90 — CHECKED BY WJW

COUNTY McHenry

BORING BB-10

STATION 126+42

OFFSET 48' R of CL

WATER LEVEL DURING DRILLING 2.5'

Rotary Mud Drilling, Hole Grouted at Completion

GROUND SURFACE EL. 740.0

Depth	Description	N/6"	Qu tsf	W %
Ft	±12" Black Silty CLAY/TOPSOIL			
	Brown SAND (f-c) and GRAVEL, A-1, medium dense — 739.0	5 7 9	-	5
	frequent Cobbles			
5		7 6 8	-	10
	Jense to very dense			
		14 13 24	-	12
10		17 28 29	-	8
	Boulder @ 12.0'-13.5'			
		20 38 50/3"	-	12
15		17 30 30	-	9
		16 20 18	-	9
20		17 16 18	-	9
	continued			

Depth	Description	N/6"	Qu tsf	W %
Ft	Grey Clay LOAM A-6, very stiff to hard — 720.0			
		8 11 17	3.82 B	15
25		12 17 19	4.06 B	15
		7 10 18	4.02 B	16
30		8 11 17	-	20
	Grey SAND (f-c) and GRAVEL, A-1, dense — 708.7			
35		7 18 28	-	11
		10 17 23	-	10
40	continued			

N-Standard Penetration Test-
Blows per foot to drive 2 inch I.D. Split Spoon Sampler 12 inches with 140 lbs. hammer falling 30 inches

Qu- Unconfined Compressive Strength (tsf)
W- Water Content-percentage of oven dry weight (%)

Type failure: B- Bulge Failure, S- Shear Failure, E- Estimated Value, P-Penetrometer

MIDLAND STANDARD ENGINEERING & TESTING, INC.

BRIDGE FOUNDATION BORING LOG

SHEET 2 OF 2

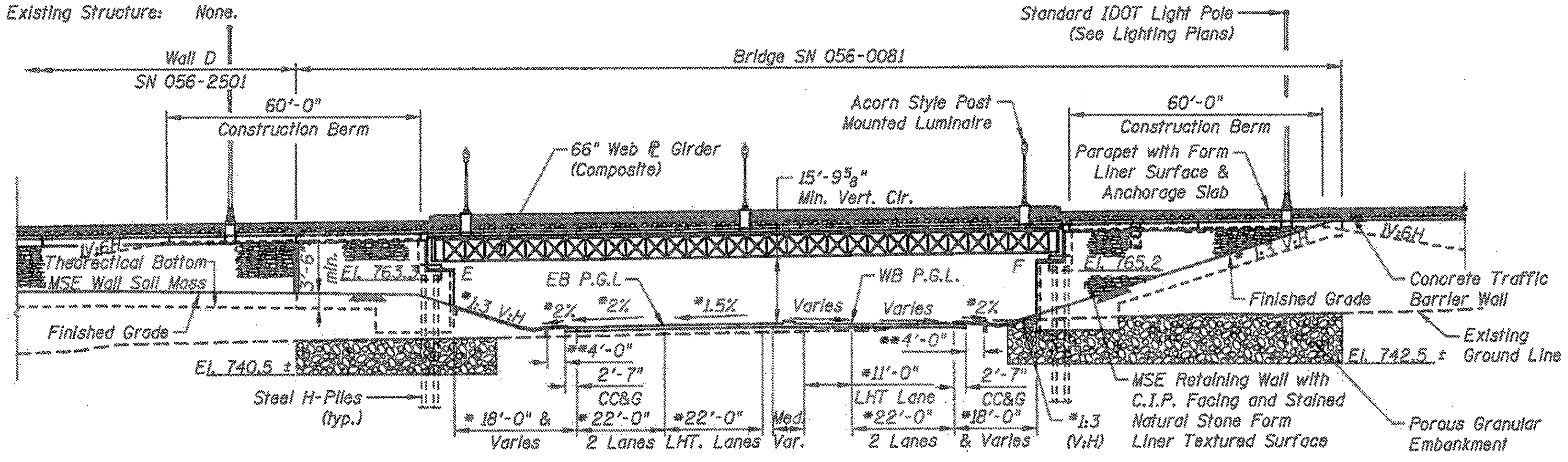
BORING BB-10

Depth	Description	N/6"	Qu tsf	W %
Ft	CONTINUED			
	Grey SAND (f-m), trace Gravel, A-2, very dense — 700.0			
45		12 22 48	-	17
	Grey SAND (f-m), A-3, medium dense — 693.0			
50		10 10 17	-	18
	slightly dense			
55		5 3 3	-	22
	Grey SAND and GRAVEL, A-1, medium dense — 683.0			
	Cobble @ 59.0'			
60		10 50/5" -	-	8
		8 10 10	-	5
65				

Depth	Description	N/6"	Qu tsf	W %
Ft	Grey SAND and GRAVEL, A-1 — 675.0			
	Light Blue-Grey weathered Dolomite Bedrock — 673.5			
70		50/1" - -	-	0.3
	Light-Blue-Grey Dolomite Bedrock, slightly weathered, fine grained, medium horizontal bedding with frequent horizontal fractures, contains several white chert nodules — 670.0			
75	Core Run 1 Recovery = 92.5% RQD = 68%	ROCK CORE		
	End of Boring @ 80.0' — 660.0			
80				

Benchmark: Control Point CP10, Iron Rod in gravel lot. IL Rte 31 Station 127+66.44, offset 99.87 feet Right; Elev. 737.99.

Existing Structure: None.

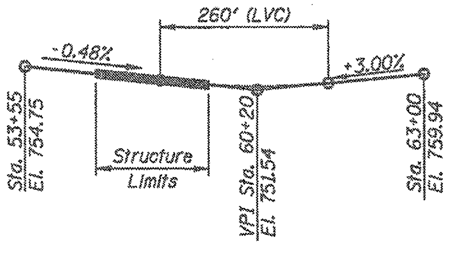


ELEVATION

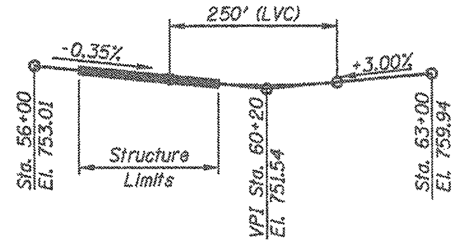
(Looking West)

* at Rt. Angles to ℄ Algonquin Road

** at Rt. Angles to Back of Curb



PROPOSED PROFILE WESTBOUND ALGONQUIN ROAD

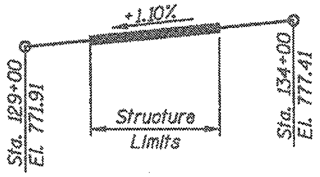


PROPOSED PROFILE EASTBOUND ALGONQUIN ROAD

STATION 132+37.67
BUILT 201_ BY
STATE OF ILLINOIS
O.R. 0003
SEC 18A-2
LOADING HL-93
STRUCTURE NO. 056-0081

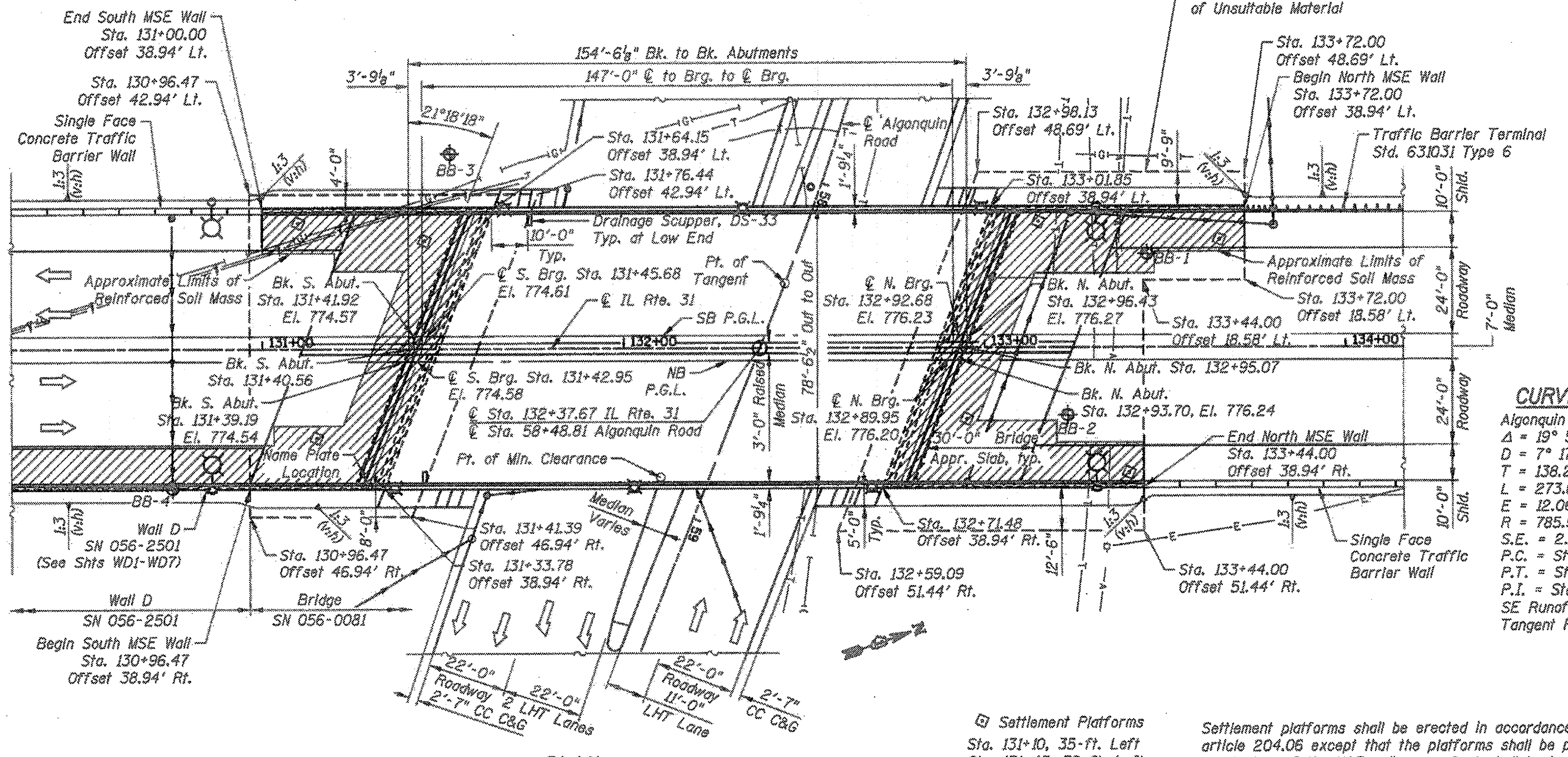
NAME PLATE

See Std. 515001



PROPOSED PROFILE IL ROUTE 31

(Along NB & SB PGL's)



PLAN

Note:
MSE Wall Offsets measured from ℄ IL Rte. 31 to front face of C.I.P. facing.

⊡ Settlement Platforms
Sta. 131+10, 35-ft. Left
Sta. 131+45, 30-ft. Left
Sta. 131+15, 25-ft. Right
Sta. 131+65, 30-ft. Left
Sta. 133+15, 35-ft. Left
Sta. 133+40, 35-ft. Right
Sta. 132+95, 20-ft. Right

Settlement platforms shall be erected in accordance with article 204.06 except that the platforms shall be placed at the bottom of the MSE soil mass. Cost shall be included in the cost of Mechanically Stabilized Earth Retaining Wall.

CIVILTECH ENGINEERING, INC.
GREGORY J. HATLESTAD, S.E.

GREGORY J. HATLESTAD, S.E.
081-005562

EXP 11/30/12

DATE 3/15/12

CURVE DATA

Algonquin Road
Δ = 19° 57' 21.30" (RT)
D = 7° 17' 37.78"
T = 138.20'
L = 273.60'
E = 12.06'
R = 785.54'
S.E. = 2.0%
P.C. = Sta. 55+55.95
P.T. = Sta. 58+29.55
P.I. = Sta. 56+94.15
SE Runoff = 45' (WB), Sta. 58+15 to 58+60
Tangent Runout = 45' (WB), Sta. 58+60 to 59+05

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.081
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.142
Soil Site Class = D

DESIGN SPECIFICATIONS

2010 AASHTO LRFD Bridge Design Specifications

DESIGN STRESSES

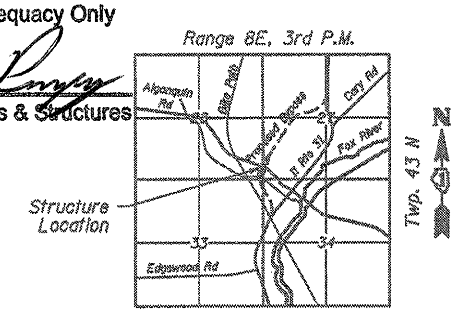
FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (AASHTO M270 Gr. 50- Main Girders)
fy = 36,000 psi (AASHTO M270 Gr. 36- Secondary Members)

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

APPROVED
For Structural Adequacy Only

Engineer of Bridges & Structures



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
IL ROUTE 31 OVER ALGONQUIN ROAD
O.R. 0003 SECTION 18A-2
McHENRY COUNTY
STATION 132+37.67, STRUCTURE NO. 056-0081

CIVILTECH
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DRAWN - M. LANGE	REVISED -		
DESIGNED - D. ATKINS	REVISED -		
CHECKED - G. HATLESTAD	REVISED -		
DATE - 3/23/2012	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
ILLINOIS ROUTE 31 OVER ALGONQUIN ROAD
STRUCTURE NO. 056-0081
SHEET NO. SB1 OF SB32 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	494
		CONTRACT NO. 60F72		
		ILLINOIS FED. AID PROJECT		

GENERAL NOTES

1. Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $^{7}/_{8}$ in. ϕ, holes $^{15}/_{16}$" in. ϕ, unless otherwise noted.

2. Calculated weight of Structural Steel = 403,690 lbs (AASHTO M270 GR. 50)
   Calculated weight of Structural Steel = 29,230 lbs (AASHTO M270 GR. 36)

3. No field welding is permitted except as specified in the contract documents.

4. Reinforcement bars designated (E) shall be epoxy coated.

5. If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.

6. Concrete Sealer shall be applied to the designated areas of the backwalls and bridge seats of the abutments.

7. The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception that masked off connection surfaces, field installed fasteners and damaged areas shall be touched up in the field. The color of the final finish coat for all steel surfaces shall be Gray, Munsell No. 5B 7/1.

8. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

9. Slopewall shall be reinforced with welded wire fabric, 6" x 6" - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.

10. Neither the MSE wall cast-in-place concrete facing, anchorage slab & parapet, approach slabs, nor approach roadway pavements shall be constructed until after the roadway embankment and reinforced select fill have been in place for 7$^{1}/_{2}$ months, after which time less than 1 inch of the total anticipated 5$^{3}/_{4}$ inches settlement is assumed to remain, without the prior approval of the Engineer. The settlement period may be shortened at the discretion of the Engineer if the monitoring data indicates a lesser than predicted settlement.

11. Slipforming of the parapets is not allowed.

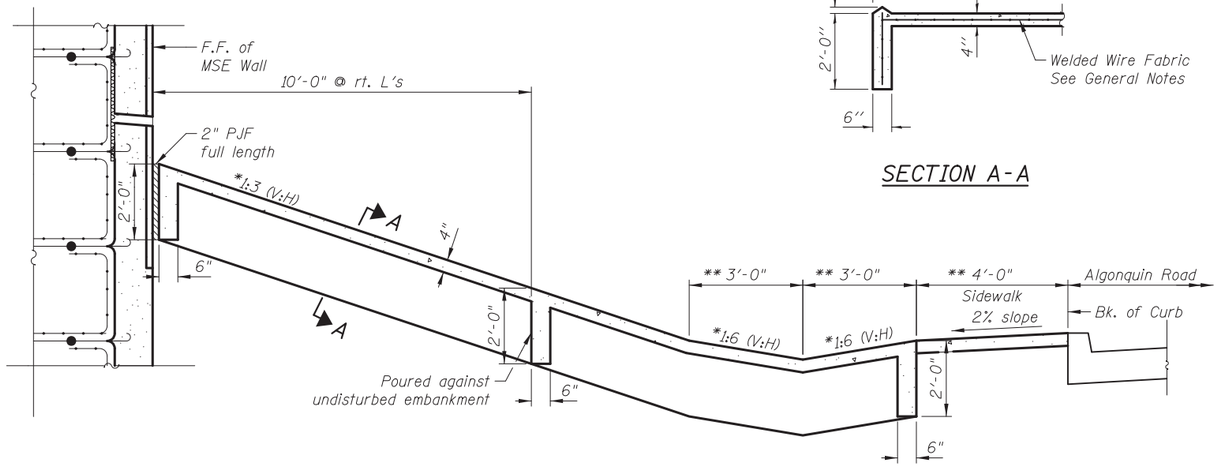
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment	Cu. Yd.	-	4,233	4,233
Removal and Disposal of Unsuitable Materials for Structures	Cu. Yd.	-	4,378	4,378
Concrete Structures	Cu. Yd.	-	246.2	246.2
Concrete Superstructures	Cu. Yd.	706.4	-	706.4
Bridge Deck Grooving	Sq. Yd.	1,705	-	1,705
Form Liner Textured Surface	Sq. Ft.	-	4,511	4,511
Protective Coat	Sq. Yd.	2,142	-	2,142
Furnishing and Erecting Structural Steel	L. Sum	0.36	-	0.36
Stud Shear Connectors	Each	2,400	-	2,400
Reinforcement Bars, Epoxy Coated	Pound	157,850	24,360	182,210
Bar Splicers	Each	-	162	162
Slope Wall 4 Inch	Sq. Yd.	-	317	317
Furnishing Steel Piles HP 14X73	Foot	-	4,080	4,080
Driving piles	Foot	-	4,080	4,080
Test Pile Steel HP 14X73	Each	-	2	2
Pile Shoes	Each	-	50	50
Name Plates	Each	1	-	1
Preformed Joint Strip Seal	Foot	167	-	167
Elastomeric Bearing Assembly, Type I	Each	10	-	10
Anchor Bolts, 1"	Each	20	-	20
Anchor Bolts, 1$^{1}/_{4}$"	Each	20	-	20
Concrete Sealer	Sq. Ft.	-	1,380	1,380
Geocomposite Wall Drain	Sq. Yd.	-	53	53
Biaxial Geogrid	Sq. Yd.	-	1,445	1,455
Parapet Railing, Special	Foot	300	-	300
Drainage Scupper, DS-33	Each	2	-	2
Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	-	5,773	5,773
Staining Concrete Structures	Sq. Yd.	-	501	501
Form Liner Textured Surface, Special	Sq. Ft.	688	-	688
Ornamental Aluminum Lattice	Foot	294	-	294

1

1

INDEX OF SHEETS



SECTION A-A

* at Rt. Angles to ℄ Algonquin Road
** at Rt. Angles to Back of Curb

SECTION THRU CONCRETE SLOPEWALL

CIVILTECH
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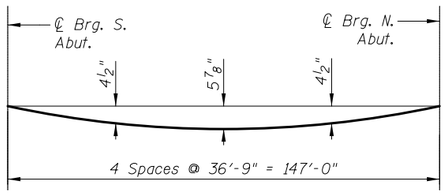
DRAWN	- M. LANGE	REVISED	- ⚠ 5/4/12 K.L.B.
DESIGNED	- D. ATKINS	REVISED	-
CHECKED	- G. HATLESTAD	REVISED	-
DATE	- 5/3/2012	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
ILLINOIS ROUTE 31 OVER ALGONQUIN ROAD
STRUCTURE NO. 056-0081
SHEET NO. SB2 OF SB32 SHEETS

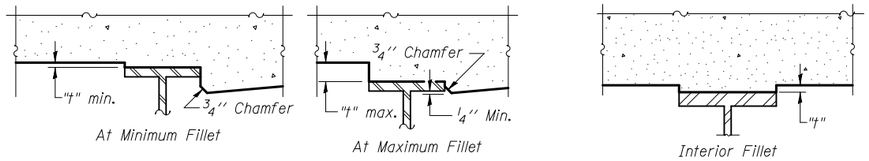
O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	495
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

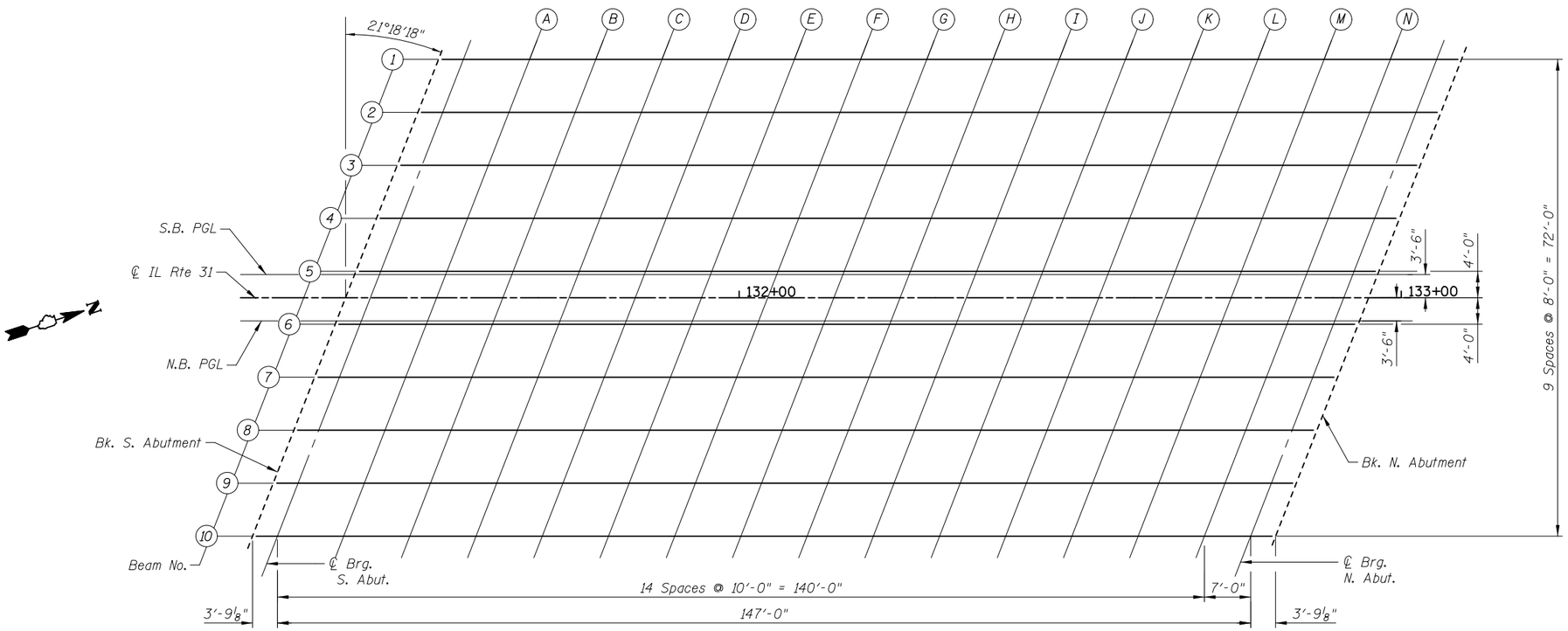
Note:
The above deflections are not for use in the field if the Engineer is working from the Theoretical Grade Elevations Adjusted for Dead Load Deflection as shown on SB4 andd SB5.



EXTERIOR BEAMS **INTERIOR BEAMS**

To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on SB4 & SB5, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS



PLAN

CIVILTECH
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DRAWN - M. LANGE	REVISED -	
DESIGNED - D. ATKINS	REVISED -	
CHECKED - G. HATLESTAD	REVISED -	
DATE - 5/3/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS I
ILLINOIS ROUTE 31 OVER ALGONQUIN ROAD
STRUCTURE NO. 056-0081
SHEET NO. SB3 OF SB32 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	496
		CONTRACT NO. 60F72		
	ILLINOIS	FED. AID PROJECT		

BEAM 1

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	131+54.59	-36.00	774.03	774.03
℄ Brg. S Abut.	131+58.35	-36.00	774.07	774.07
A	131+68.35	-36.00	774.18	774.29
B	131+78.35	-36.00	774.29	774.50
C	131+88.35	-36.00	774.40	774.71
D	131+98.35	-36.00	774.51	774.89
E	132+08.35	-36.00	774.62	775.05
F	132+18.35	-36.00	774.73	775.21
G	132+28.35	-36.00	774.84	775.33
H	132+38.35	-36.00	774.95	775.44
I	132+48.35	-36.00	775.06	775.53
J	132+58.35	-36.00	775.17	775.59
K	132+68.35	-36.00	775.28	775.64
L	132+78.35	-36.00	775.39	775.67
M	132+88.35	-36.00	775.50	775.69
N	132+98.35	-36.00	775.61	775.69
℄ Brg. N Abut.	133+05.35	-36.00	775.69	775.69
Bk. N Abut.	133+09.11	-36.00	775.73	775.73

BEAM 2

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	131+51.47	-28.00	774.17	774.17
℄ Brg. S Abut.	131+55.23	-28.00	774.21	774.21
A	131+65.23	-28.00	774.32	774.43
B	131+75.23	-28.00	774.43	774.64
C	131+85.23	-28.00	774.54	774.84
D	131+95.23	-28.00	774.65	775.02
E	132+05.23	-28.00	774.76	775.19
F	132+15.23	-28.00	774.87	775.34
G	132+25.23	-28.00	774.98	775.46
H	132+35.23	-28.00	775.09	775.57
I	132+45.23	-28.00	775.20	775.66
J	132+55.23	-28.00	775.31	775.72
K	132+65.23	-28.00	775.42	775.77
L	132+75.23	-28.00	775.53	775.80
M	132+85.23	-28.00	775.64	775.82
N	132+95.23	-28.00	775.75	775.82
℄ Brg. N Abut.	133+02.23	-28.00	775.82	775.82
Bk. N Abut.	133+05.99	-28.00	775.87	775.87

BEAM 3

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	131+48.35	-20.00	774.30	774.30
℄ Brg. S Abut.	131+52.11	-20.00	774.34	774.34
A	131+62.11	-20.00	774.45	774.56
B	131+72.11	-20.00	774.56	774.77
C	131+82.11	-20.00	774.67	774.97
D	131+92.11	-20.00	774.78	775.15
E	132+02.11	-20.00	774.89	775.32
F	132+12.11	-20.00	775.00	775.47
G	132+22.11	-20.00	775.11	775.60
H	132+32.11	-20.00	775.22	775.70
I	132+42.11	-20.00	775.33	775.79
J	132+52.11	-20.00	775.44	775.86
K	132+62.11	-20.00	775.55	775.90
L	132+72.11	-20.00	775.66	775.94
M	132+82.11	-20.00	775.77	775.95
N	132+92.11	-20.00	775.88	775.96
℄ Brg. N Abut.	132+99.11	-20.00	775.96	775.96
Bk. N Abut.	133+02.87	-20.00	776.00	776.00

BEAM 4

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	131+45.23	-12.00	774.43	774.43
℄ Brg. S Abut.	131+48.99	-12.00	774.47	774.47
A	131+58.99	-12.00	774.58	774.69
B	131+68.99	-12.00	774.69	774.90
C	131+78.99	-12.00	774.80	775.10
D	131+88.99	-12.00	774.91	775.29
E	131+98.99	-12.00	775.02	775.45
F	132+08.99	-12.00	775.13	775.60
G	132+18.99	-12.00	775.24	775.73
H	132+28.99	-12.00	775.35	775.83
I	132+38.99	-12.00	775.46	775.92
J	132+48.99	-12.00	775.57	775.99
K	132+58.99	-12.00	775.68	776.03
L	132+68.99	-12.00	775.79	776.07
M	132+78.99	-12.00	775.90	776.08
N	132+88.99	-12.00	776.01	776.09
℄ Brg. N Abut.	132+95.99	-12.00	776.09	776.09
Bk. N Abut.	132+99.75	-12.00	776.13	776.13

BEAM 5

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	131+42.11	-4.00	774.56	774.56
℄ Brg. S Abut.	131+45.87	-4.00	774.60	774.60
A	131+55.87	-4.00	774.71	774.82
B	131+65.87	-4.00	774.82	775.03
C	131+75.87	-4.00	774.93	775.24
D	131+85.87	-4.00	775.04	775.42
E	131+95.87	-4.00	775.15	775.58
F	132+05.87	-4.00	775.26	775.74
G	132+15.87	-4.00	775.37	775.86
H	132+25.87	-4.00	775.48	775.97
I	132+35.87	-4.00	775.59	776.06
J	132+45.87	-4.00	775.70	776.12
K	132+55.87	-4.00	775.81	776.17
L	132+65.87	-4.00	775.92	776.20
M	132+75.87	-4.00	776.03	776.22
N	132+85.87	-4.00	776.14	776.22
℄ Brg. N Abut.	132+92.87	-4.00	776.22	776.22
Bk. N Abut.	132+96.63	-4.00	776.26	776.26

SB PGL

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	131+41.92	-3.50	774.57	774.57
℄ Brg. S Abut.	131+45.68	-3.50	774.61	774.61
A	131+55.68	-3.50	774.72	774.83
B	131+65.68	-3.50	774.83	775.04
C	131+75.68	-3.50	774.94	775.25
D	131+85.68	-3.50	775.05	775.43
E	131+95.68	-3.50	775.16	775.59
F	132+05.68	-3.50	775.27	775.74
G	132+15.68	-3.50	775.38	775.87
H	132+25.68	-3.50	775.49	775.97
I	132+35.68	-3.50	775.60	776.06
J	132+45.68	-3.50	775.71	776.13
K	132+55.68	-3.50	775.82	776.18
L	132+65.68	-3.50	775.93	776.21
M	132+75.68	-3.50	776.04	776.22
N	132+85.68	-3.50	776.15	776.23
℄ Brg. N Abut.	132+92.68	-3.50	776.23	776.23
Bk. N Abut.	132+96.43	-3.50	776.27	776.27

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DRAWN - M. LANGE	REVISED -	
DESIGNED - D. ATKINS	REVISED -	
CHECKED - G. HATLESTAD	REVISED -	
DATE - 5/3/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS II
ILLINOIS ROUTE 31 OVER ALGONQUIN ROAD
STRUCTURE NO. 056-0081
SHEET NO. SB4 OF SB32 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	497
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			

NB PGL

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	131+39.19	3.50	774.54	774.54
℄ Brg. S Abut.	131+42.95	3.50	774.58	774.58
A	131+52.95	3.50	774.69	774.80
B	131+62.95	3.50	774.80	775.01
C	131+72.95	3.50	774.91	775.22
D	131+82.95	3.50	775.02	775.40
E	131+92.95	3.50	775.13	775.56
F	132+02.95	3.50	775.24	775.71
G	132+12.95	3.50	775.35	775.84
H	132+22.95	3.50	775.46	775.94
I	132+32.95	3.50	775.57	776.03
J	132+42.95	3.50	775.68	776.10
K	132+52.95	3.50	775.79	776.15
L	132+62.95	3.50	775.90	776.18
M	132+72.95	3.50	776.01	776.19
N	132+82.95	3.50	776.12	776.20
℄ Brg. N Abut.	132+89.95	3.50	776.20	776.20
Bk. N Abut.	132+93.70	3.50	776.24	776.24

BEAM 6

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	131+39.00	4.00	774.53	774.53
℄ Brg. S Abut.	131+42.75	4.00	774.57	774.57
A	131+52.75	4.00	774.68	774.79
B	131+62.75	4.00	774.79	775.00
C	131+72.75	4.00	774.90	775.20
D	131+82.75	4.00	775.01	775.38
E	131+92.75	4.00	775.12	775.55
F	132+02.75	4.00	775.23	775.70
G	132+12.75	4.00	775.34	775.83
H	132+22.75	4.00	775.45	775.93
I	132+32.75	4.00	775.56	776.02
J	132+42.75	4.00	775.67	776.09
K	132+52.75	4.00	775.78	776.13
L	132+62.75	4.00	775.89	776.17
M	132+72.75	4.00	776.00	776.18
N	132+82.75	4.00	776.11	776.19
℄ Brg. N Abut.	132+89.75	4.00	776.19	776.19
Bk. N Abut.	132+93.51	4.00	776.23	776.23

BEAM 7

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	131+35.88	12.00	774.33	774.33
℄ Brg. S Abut.	131+39.63	12.00	774.37	774.37
A	131+49.63	12.00	774.48	774.59
B	131+59.63	12.00	774.59	774.80
C	131+69.63	12.00	774.70	775.00
D	131+79.63	12.00	774.81	775.18
E	131+89.63	12.00	774.92	775.35
F	131+99.63	12.00	775.03	775.50
G	132+09.63	12.00	775.14	775.63
H	132+19.63	12.00	775.25	775.73
I	132+29.63	12.00	775.36	775.82
J	132+39.63	12.00	775.47	775.89
K	132+49.63	12.00	775.58	775.93
L	132+59.63	12.00	775.69	775.96
M	132+69.63	12.00	775.80	775.98
N	132+79.63	12.00	775.91	775.98
℄ Brg. N Abut.	132+86.63	12.00	775.99	775.99
Bk. N Abut.	132+90.39	12.00	776.03	776.03

BEAM 8

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	131+32.76	20.00	774.13	774.13
℄ Brg. S Abut.	131+36.51	20.00	774.17	774.17
A	131+46.51	20.00	774.28	774.39
B	131+56.51	20.00	774.39	774.60
C	131+66.51	20.00	774.50	774.80
D	131+76.51	20.00	774.61	774.98
E	131+86.51	20.00	774.72	775.15
F	131+96.51	20.00	774.83	775.30
G	132+06.51	20.00	774.94	775.42
H	132+16.51	20.00	775.05	775.53
I	132+26.51	20.00	775.16	775.62
J	132+36.51	20.00	775.27	775.68
K	132+46.51	20.00	775.38	775.73
L	132+56.51	20.00	775.49	775.76
M	132+66.51	20.00	775.60	775.78
N	132+76.51	20.00	775.71	775.78
℄ Brg. N Abut.	132+83.51	20.00	775.78	775.78
Bk. N Abut.	132+87.27	20.00	775.83	775.83

BEAM 9

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	131+29.64	28.00	773.93	773.93
℄ Brg. S Abut.	131+33.39	28.00	773.97	773.97
A	131+43.39	28.00	774.08	774.19
B	131+53.39	28.00	774.19	774.40
C	131+63.39	28.00	774.30	774.60
D	131+73.39	28.00	774.41	774.78
E	131+83.39	28.00	774.52	774.95
F	131+93.39	28.00	774.63	775.10
G	132+03.39	28.00	774.74	775.22
H	132+13.39	28.00	774.85	775.33
I	132+23.39	28.00	774.96	775.42
J	132+33.39	28.00	775.07	775.48
K	132+43.39	28.00	775.18	775.53
L	132+53.39	28.00	775.29	775.56
M	132+63.39	28.00	775.40	775.58
N	132+73.39	28.00	775.51	775.58
℄ Brg. N Abut.	132+80.39	28.00	775.58	775.58
Bk. N Abut.	132+84.15	28.00	775.63	775.63

BEAM 10

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elev Adj for Dead Load Deflection
Bk. S Abut.	131+26.52	36.00	773.72	773.72
℄ Brg. S Abut.	131+30.27	36.00	773.77	773.77
A	131+40.27	36.00	773.88	773.98
B	131+50.27	36.00	773.99	774.20
C	131+60.27	36.00	774.10	774.40
D	131+70.27	36.00	774.21	774.58
E	131+80.27	36.00	774.32	774.75
F	131+90.27	36.00	774.43	774.90
G	132+00.27	36.00	774.54	775.02
H	132+10.27	36.00	774.65	775.13
I	132+20.27	36.00	774.76	775.22
J	132+30.27	36.00	774.87	775.28
K	132+40.27	36.00	774.98	775.33
L	132+50.27	36.00	775.09	775.36
M	132+60.27	36.00	775.20	775.38
N	132+70.27	36.00	775.31	775.38
℄ Brg. N Abut.	132+77.27	36.00	775.38	775.38
Bk. N Abut.	132+81.03	36.00	775.42	775.42

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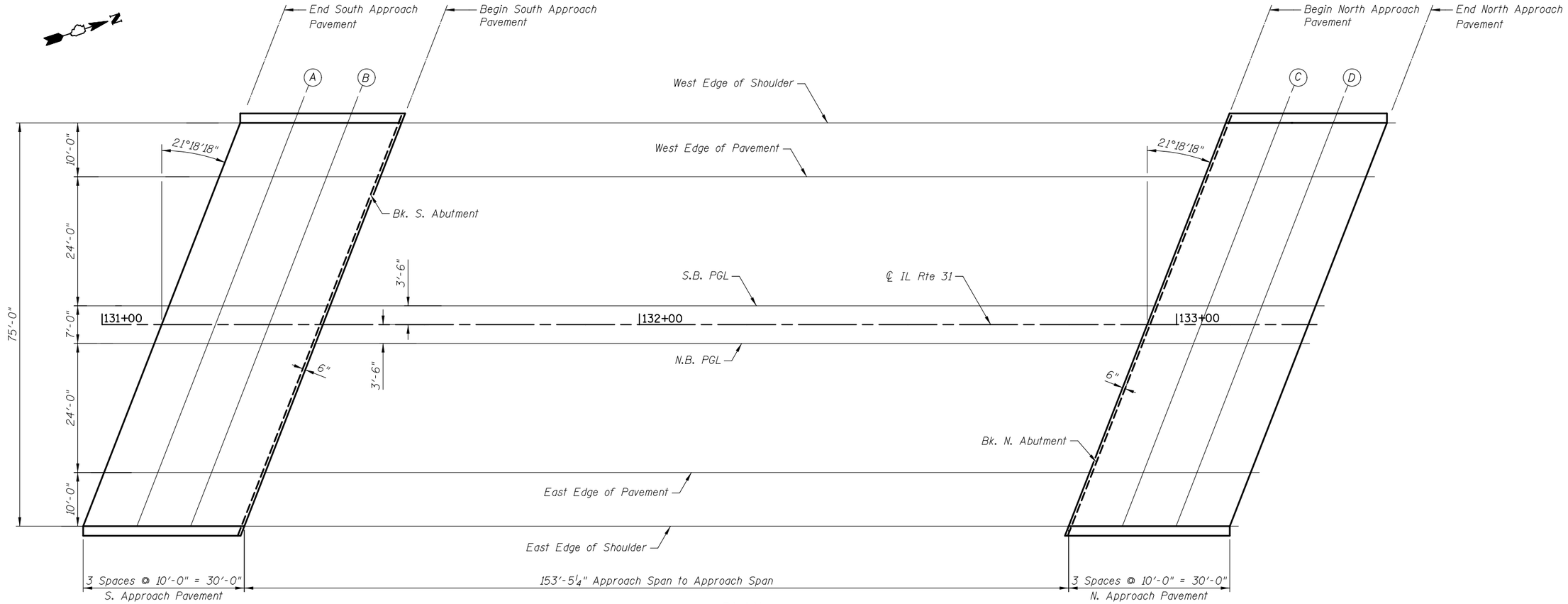
DRAWN - M. LANGE	REVISED -	
DESIGNED - D. ATKINS	REVISED -	
CHECKED - G. HATLESTAD	REVISED -	
DATE - 5/3/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS III
ILLINOIS ROUTE 31 OVER ALGONQUIN ROAD
STRUCTURE NO. 056-0081
SHEET NO. SB5 OF SB32 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	498
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			



PLAN

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't	131+25.72	-37.50	773.68
A	131+35.72	-37.50	773.79
B	131+45.72	-37.50	773.90
Begin S. Appr. Pav't	131+55.72	-37.50	774.01
Begin N. Appr. Pav't	133+09.16	-37.50	775.70
C	133+19.16	-37.50	775.81
D	133+29.16	-37.50	775.92
End N. Appr. Pav't	133+39.16	-37.50	776.03

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't	131+21.82	-27.50	773.85
A	131+31.82	-27.50	773.96
B	131+41.82	-27.50	774.07
Begin S. Appr. Pav't	131+51.82	-27.50	774.18
Begin N. Appr. Pav't	133+05.26	-27.50	775.87
C	133+15.26	-27.50	775.98
D	133+25.26	-27.50	776.09
End N. Appr. Pav't	133+35.26	-27.50	776.20

SOUTHBOUND PGL

Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't	131+12.46	-3.50	774.25
A	131+22.46	-3.50	774.36
B	131+32.46	-3.50	774.47
Begin S. Appr. Pav't	131+42.46	-3.50	774.58
Begin N. Appr. Pav't	132+95.90	-3.50	776.26
C	133+05.90	-3.50	776.37
D	133+15.90	-3.50	776.48
End N. Appr. Pav't	133+25.90	-3.50	776.59

NORTHBOUND PGL

Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't	131+09.73	3.50	774.22
A	131+19.73	3.50	774.33
B	131+29.73	3.50	774.44
Begin S. Appr. Pav't	131+39.73	3.50	774.55
Begin N. Appr. Pav't	132+93.17	3.50	776.23
C	133+03.17	3.50	776.34
D	133+13.17	3.50	776.45
End N. Appr. Pav't	133+23.17	3.50	776.56

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't	131+00.37	27.50	773.61
A	131+10.37	27.50	773.72
B	131+20.37	27.50	773.83
Begin S. Appr. Pav't	131+30.37	27.50	773.94
Begin N. Appr. Pav't	132+83.81	27.50	775.63
C	132+93.81	27.50	775.74
D	133+03.81	27.50	775.85
End N. Appr. Pav't	133+13.81	27.50	775.96

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't	130+96.47	37.50	773.36
A	131+06.47	37.50	773.47
B	131+16.47	37.50	773.58
Begin S. Appr. Pav't	131+26.47	37.50	773.69
Begin N. Appr. Pav't	132+79.91	37.50	775.38
C	132+89.91	37.50	775.49
D	132+99.91	37.50	775.60
End N. Appr. Pav't	133+09.91	37.50	775.71

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DRAWN - M. LANGE	REVISED -	
DESIGNED - D. ATKINS	REVISED -	
CHECKED - G. HATLESTAD	REVISED -	
DATE - 5/3/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF APPROACH SLAB ELEVATIONS
ILLINOIS ROUTE 31 OVER ALGONQUIN ROAD
STRUCTURE NO. 056-0081
SHEET NO. SB6 OF SB32 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	499
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			

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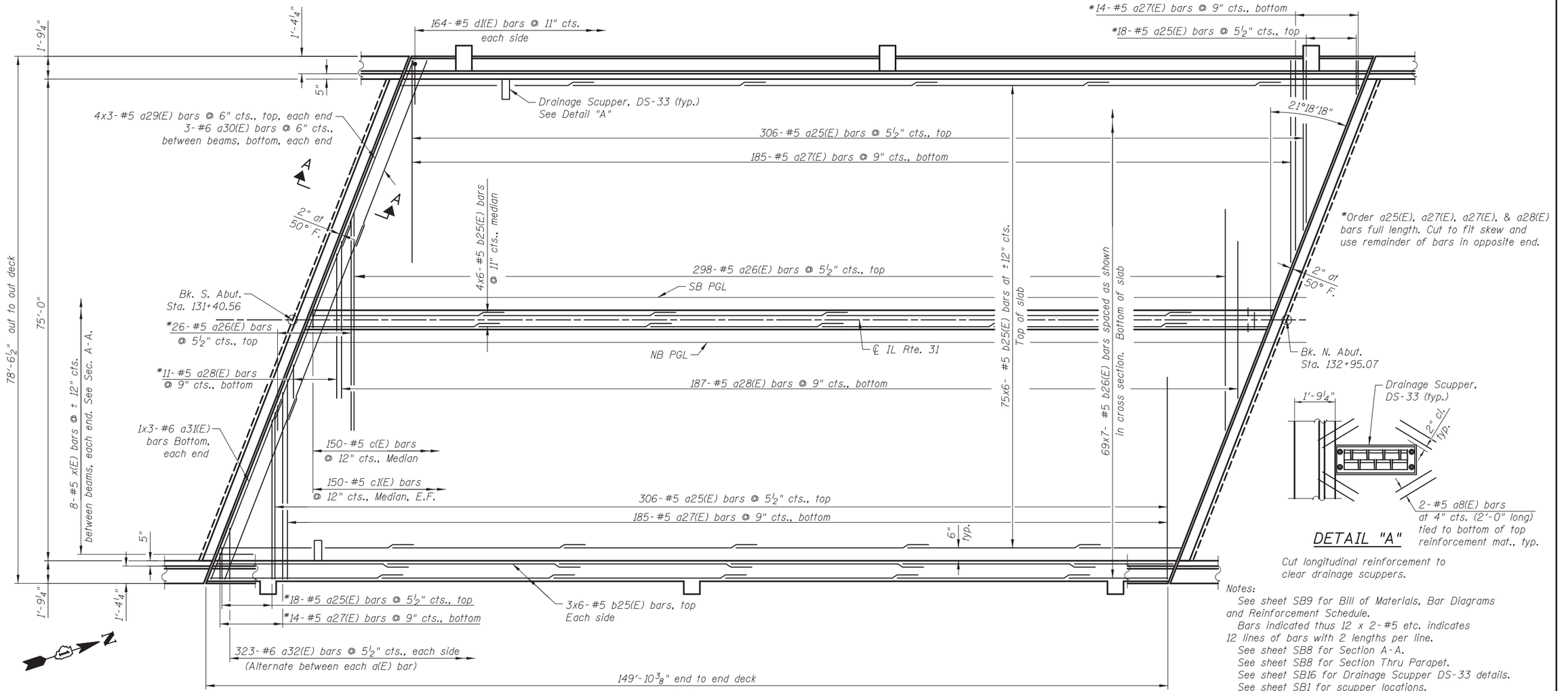


PLAN

DETAIL "A"

Cut longitudinal reinforcement to clear drainage scuppers.

Notes:

See sheet SB9 for Bill of Materials, Bar Diagrams and Reinforcement Schedule.

Bars indicated thus 12 x 2-#5 etc. indicates 12 lines of bars with 2 lengths per line.

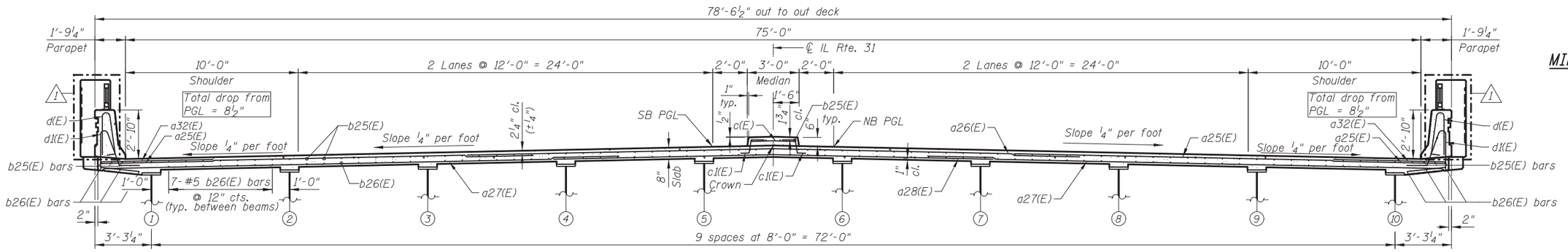
See sheet SB8 for Section A-A.

See sheet SB8 for Section Thru Parapet.

See sheet SB16 for Drainage Scupper DS-33 details.

See sheet SB1 for scupper locations.

Dimensions are based on a Rolled Rail Strip Seal Joint. If the Contractor elects to use the Welded Rail Strip Seal Joint, deck dimensions may require adjustments to satisfy the details on sheet SB15.



CROSS SECTION

(Looking North)
(Drainage Scuppers not shown)

MINIMUM BAR LAP

(Deck)
#5 bar = 3'-3"
#6 bar = 3'-10"

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DRAWN	M. LANGE	REVISED	1 5/4/12 K.L.B.
DESIGNED	D. ATKINS	REVISED	-
CHECKED	G. HATLESTAD	REVISED	-
DATE	5/3/2012	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
ILLINOIS ROUTE 31 OVER ALGONQUIN ROAD
STRUCTURE NO. 056-0081
SHEET NO. SB7 OF SB32 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	500
		CONTRACT NO. 60F72		
ILLINOIS	FED. AID PROJECT			

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