

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	1
STA.	TO STA.		15 241	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FOR INDEX OF SHEETS AND LIST OF STANDARDS, SEE SHEET 2

DESCRIPTION OF IMPROVEMENT

WIDENING AND RESURFACING OF WALKUP ROAD INCLUDING RETAINING WALL, BIKE PATH, TRAFFIC SIGNALS, TRAFFIC SIGNAL MODERNIZATION, INTERSECTION LIGHTING AND DRAINAGE.

TRAFFIC DATA:

WALKUP ROAD: 2004 ADT=11,700-16,350
2027 ADT=14,650-18,750

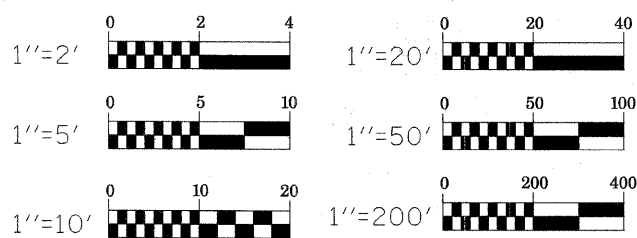
POSTED SPEED LIMIT:

WALKUP ROAD:
40 MPH FROM TALISMON DRIVE TO PLEASANT HILL ROAD
45 MPH NORTH OF PLEASANT HILL ROAD

DESIGN DESIGNATION: MINOR ARTERIAL

SCALES:

PLAN 1"=50' (OR 1"=20')
PROFILE HORIZ. 1"=50'
PROFILE VERT. 1"=5'
CROSS SECTION HORIZ 1"=10'
CROSS SECTION VERT. 1"=5'



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.

FOR UNDERGROUND UTILITY LOCATIONS, CALL J.U.L.I.E.
1-800-892-0123 TOLL FREE

CONTRACT NO. 63266

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

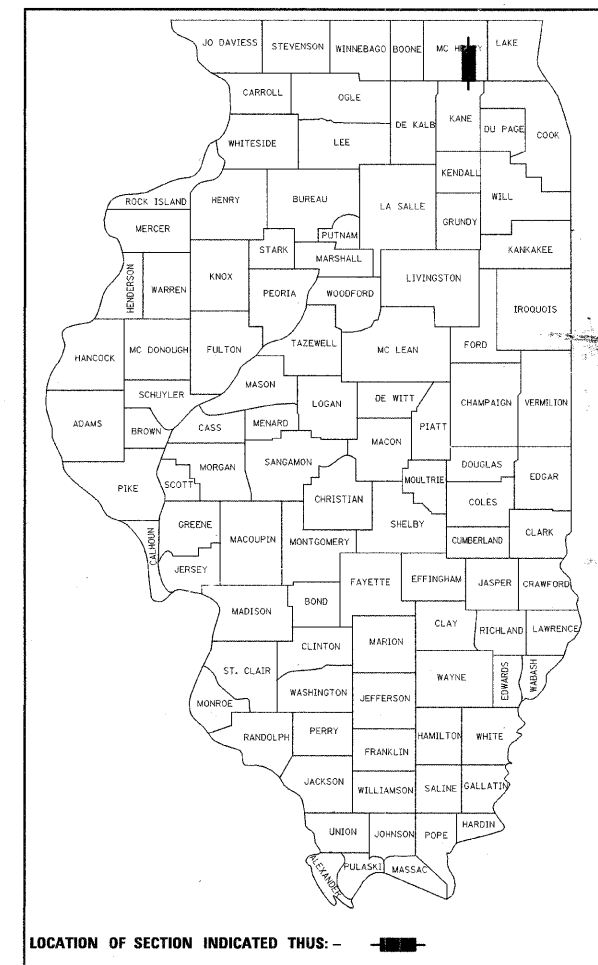
PLANS FOR PROPOSED

**FEDERAL AID PROJECT
FAU ROUTE 0085 (WALKUP ROAD)**

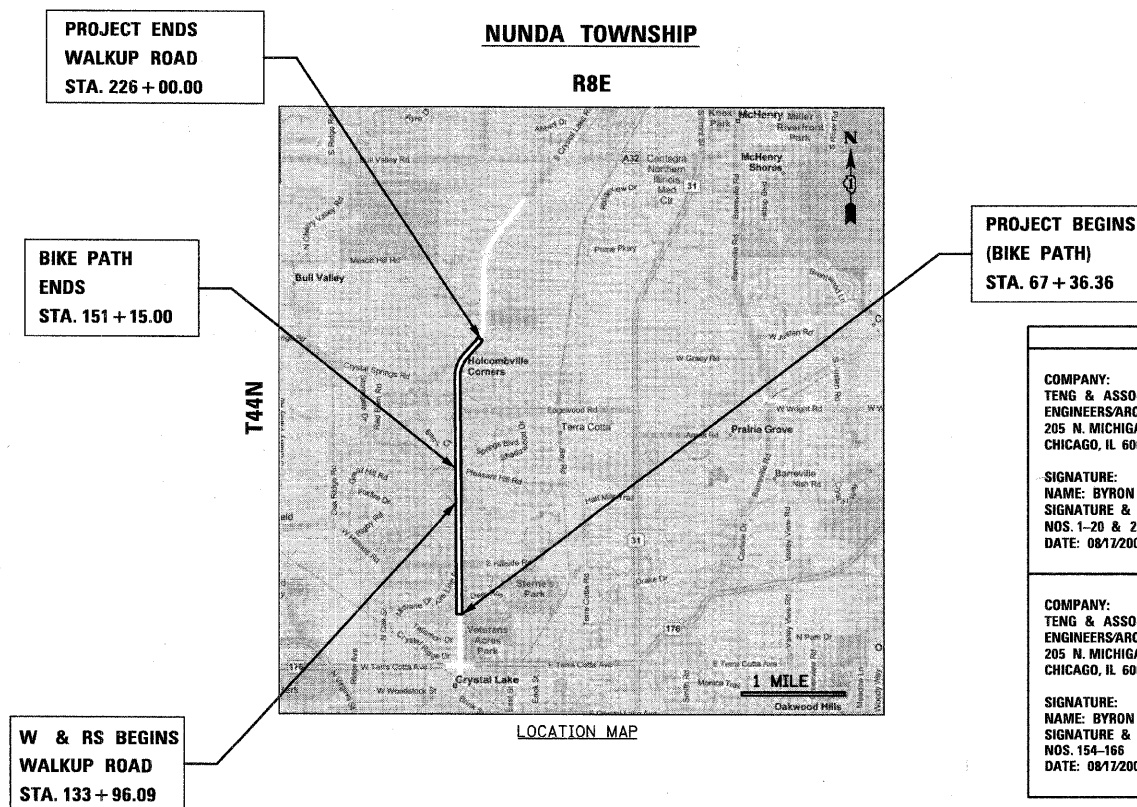
SECTION: 00-00246-01-FP

PROJECT: CMM-7003(964)

**PROJECT LOCATION: WALKUP ROAD FROM LIVE OAK ROAD TO CRYSTAL SPRINGS ROAD
PAVEMENT WIDENING AND RESURFACING, TRAFFIC SIGNAL MODERNIZATION
AND SHARED USE PATH CONSTRUCTION
CITY OF CRYSTAL LAKE AND VILLAGE OF BULL VALLEY
MCHENRY COUNTY
C-91-374-00**



LOCATION OF SECTION INDICATED THUS: - [black bar] -



GROSS LENGTH OF IMPROVEMENT = 15,750 FEET (2.98 MILE)
NET LENGTH OF IMPROVEMENT = 9,104 FEET (1.72 MILE)

SEALS	
<p>COMPANY: TENG & ASSOCIATES INC. ENGINEERS/ARCHITECTS/PLANNERS 205 N. MICHIGAN AVE. CHICAGO, IL 60601</p> <p>SIGNATURE: NAME: BYRON DANLEY SIGNATURE & SEAL APPLY TO DRAWING NOS. 1-20 & 23-87 & 120-153 & 167-236 DATE: 08/12/2009</p>	
<p>COMPANY: TENG & ASSOCIATES INC. ENGINEERS/ARCHITECTS/PLANNERS 205 N. MICHIGAN AVE. CHICAGO, IL 60601</p> <p>SIGNATURE: NAME: BYRON DANLEY SIGNATURE & SEAL APPLY TO DRAWING NOS. 154-166 DATE: 08/12/2009</p>	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
APPROVED August 17 20 09	
DIRECTOR OF TRANSPORTATION/COUNTY ENGINEER MCHENRY COUNTY	
APPROVED SEPTEMBER 1 2009	
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS	
RELEASE FOR BID BASED ON LIMITED REVIEW	
APPROVED SEPTEMBER 1, 20 09	
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER	

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
205 N. MICHIGAN AVE.
CHICAGO, IL 60601
TELEPHONE: 312/616-0000

STAMP: 8-13-2009 14:27:25
 FEDERAL AID ENGINEER -- KEVIN STALLWORTH (847) 705-4169
 CONSULTANT: TENG AND ASSOCIATES, INC. (312) 616-0000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	2
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO: 63266				

INDEX OF SHEETS

IDOT HIGHWAY STANDARDS

MCHENRY COUNTY DIVISION OF TRANSPORTATION DETAILS

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2	INDEX OF SHEETS & HIGHWAY STANDARDS	001001-02	AREAS OF REINFORCEMENT BARS		SHOULDER DETAIL
3	GENERAL NOTES	280001-05	TEMPORARY EROSION CONTROL SYSTEMS		URETHANE FOAM/GEOTEXTILE DITCH CHECK
4 - 9	SUMMARY OF QUANTITIES	424001-05	CURB RAMPS FOR SIDEWALKS		
10 - 15	TYPICAL SECTIONS	442201-03	CLASS C AND D PATCHES		
16 - 20	SCHEDULE OF QUANTITIES	542101-02	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS 375 mm (15") THRU 900 mm (36") DIA. AT RIGHT ANGLES WITH ROADWAY		
21 - 23	ALIGNMENTS, TIES AND BENCHMARKS		REINFORCED CONCRETE END SECTIONS FOR MULTIPLE (2 & 3) PIPE CULVERTS 42" (1067 mm) THRU 60" (1524 mm) DIA. AT RIGHT ANGLES WITH ROADWAY		
24 - 39	ROADWAY PLAN & PROFILES	542121-02	PRECAST REINFORCED CONCRETE FLARED END SECTION		
40	DRIVEWAY DETAIL & SCHEDULE		GRATING FOR CONCRETE FLARED END SECTION (FOR 24" (600 mm) THRU 54" (1350 mm) PIPE)		
41	SUPERELEVATION DETAILS	542301-02	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION		
42	PAVEMENT ELEVATION SCHEDULE	542311-01	METAL END SECTIONS FOR PIPE ARCHES		
43	SHARED USE PATH SPECIAL DETAILS	542306-02	CONCRETE HEADWALL FOR PIPE DRAINS		
44 - 45	WATERMAIN DETAILS	542406-01	CATCH BASIN, TYPE A		
46	MAINTENANCE OF TRAFFIC GENERAL NOTES	601101-01	CATCH BASIN, TYPE C		
47 - 50	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS	602001-01	INLET - TYPE A		
51 - 59	MAINTENANCE OF TRAFFIC PLANS	602011-01	MANHOLE, TYPE A		
60	EROSION AND SEDIMENT CONTROL GENERAL NOTES	602301-02	MANHOLE TYPE A 6' (1.8 m) DIAMETER		
61 - 67	EROSION AND SEDIMENT CONTROL PLANS	602401-02	MANHOLE, TYPE A, 2.1 m DIAMETER		
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73 - 85	DRAINAGE PLAN & PROFILES	602411-01	MANHOLE STEPS		
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87	DETENTION BASIN GRADING & DETAILS	602701-02	GRATE TYPE 8		
88 - 119	PLAT OF HIGHWAYS	604001-03	FRAME AND GRATE TYPE 24		
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132 - 141	SIGNING PLANS	606001-04	RIGHT OF WAY MARKERS		
142 - 153	TRAFFIC SIGNAL PLANS	606006-02	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE		
154 - 166	STRUCTURAL PLANS	666001-01	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY		
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186	CITY OF CRYSTAL LAKE DETAILS	701201-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS		
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189 - 236	CROSS SECTIONS	701301-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY		
		701306-02	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH		
		701311-03	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS >= 45 MPH		
		701326-03	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED		
		701336-05	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN		
		701501-05	LANE CLOSURE, MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE		
		701606-06	TRAFFIC CONTROL DEVICES		
		701801-04	SIGN PANEL MOUNTING DETAILS		
		701901-01	SIGN PANEL ERECTION DETAILS		
		720001-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS		
		720006-02	MAST ARM MOUNTED STREET NAME SIGNS		
		720011-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)		
		720016-02	TYPICAL PAVEMENT MARKINGS		
		729001-01	ELECTRICAL SERVICE INSTALLATION DETAILS		
		780001-02	HANDHOLES		
		805001-01	DOUBLE HANDHOLES		
		814001-02	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES		
		814006-02	UNINTERRUPTIBLE POWER SUPPLY (UPS)		
		857001-01	TRAFFIC SIGNAL GROUNDING AND BONDING		
		862001-01	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'		
		873001-02	STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'		
		877001-04	CONCRETE FOUNDATION DETAILS		
		877011-04	TRAFFIC SIGNAL MOUNTING DETAILS		
		878001-08	DETECTOR LOOP INSTALLATIONS		
		880006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS		
		886001-01			
		886006-01			

CITY OF CRYSTAL LAKE DETAILS

DRAWING NO SUBJECT / TITLE

RD-03a	PUBLIC SIDEWALK RAMP DETAIL
RD-03b	SIDEWALK RAMPS DETECTABLE WARNINGS
ST-6	DRY WELL DETAIL

DISTRICT ONE DETAILS

DETAIL NO. SUBJECT / TITLE

BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W AND FACE OF CURB & EDGE OF SHOULDER >=15' (4, 5 M)
BD-03	OUTLET FOR CONCRETE CURB AND GUTTER
BD-07	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
BD-08	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING AND DRIVEWAYS
BD-12	MANHOLE WITH RESTRICTOR PLATE
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
BD-36	FIRE HYDRANT TO BE MOVED
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING
TS-02	MAST ARM MOUNTED STREET NAME SIGNS
TS-05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

**INDEX OF SHEETS AND
HIGHWAY STANDARDS**

SCALE: N.T.S. DRAWN BY: RJS
DATE: 12/01/09 CHECKED BY: MCD

TENG TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
205 W. MICHIGAN AVE., CHICAGO, IL 60601
TELEPHONE: 312/656-0000

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	3
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO: 63266				

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND LOCAL AGENCIES.

3. THE CONTRACTOR SHALL PROTECT EXISTING OR NEW UTILITIES WHEN CONSIDERED NECESSARY BY METHODS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL BRACE AND SUPPORT THE UTILITIES PROPERLY TO PREVENT SETTLEMENT, DISPLACEMENT, OR DAMAGE TO THE UTILITIES. THE PROTECTION OF THE UTILITIES SPECIFIED HEREIN WILL NOT BE PAID FOR SEPARATELY, BUT THE COST THEREOF SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT.

- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON PUBLIC PROPERTY WITHOUT WRITTEN PERMISSION FROM THE MCHENRY COUNTY DIVISION OF TRANSPORTATION.

- ALL ELEVATIONS SHOWN ON THESE PLANS ARE ON THE USGS DATUM.

- THE SURFACE CONFIGURATION OF DRIVEWAY PAVEMENT WITHIN THE LIMITS OF THE BIKEPATH SHALL CONFORM TO THE FOLLOWING: THE PROFILE GRADE OF THE BIKEPATH HAS PRIORITY AND SHALL BE MAINTAINED ACROSS THE DRIVEWAY. THE BIKEPATH CROSS SLOPE THRU DRIVEWAY AREAS SHALL BE A MAXIMUM OF 1:50. THE DRIVEWAY PAVEMENT OUTSIDE THE LIMITS OF THE BIKEPATH SHALL SLOPE TO MEET THE BIKEPATH PROFILE GRADE. DRIVEWAY PAVEMENT WILL BE MEASURED AND PAID FOR ACCORDING TO THE SPECIAL PROVISION FOR HOT MIX ASPHALT DRIVEWAY PAVEMENT (MCDOT).

- PROPOSED COMMERCIAL DRIVEWAYS ARE COMPRISED OF 6 INCHES OF HOT-MIX ASPHALT, BASE COURSE, AND 2 INCHES OF HOT-MIX ASPHALT, SURFACE COURSE UNLESS OTHERWISE NOTED ON THE PLANS. PRIVATE DRIVEWAYS ARE COMPRISED OF 4 INCHES OF HOT-MIX ASPHALT, BASE COURSE, AND 2 INCHES OF HOT-MIX ASPHALT, SURFACE COURSE.

8. 10 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER ITEMS OF WORK TO EXISTING CURBS & GUTTERS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED. ALL TRANSITIONS BETWEEN PROPOSED CURB AND SHOULDER SHALL BE 16 FOOT TRANSITIONS UNLESS OTHERWISE SHOWN ON THE PLANS.

- WHERE PROPOSED CURBS AND GUTTERS ARE NOT TYING INTO EXISTING CURB AND GUTTER OR ARE ENDING, THEY SHALL TRANSITION TO 0" HEIGHT OVER THE FINAL 5 FEET.

- PROTECTIVE COAT SHALL BE APPLIED IN ACCORDANCE WITH ARTICLE 420 OF THE STANDARD SPECIFICATIONS TO ALL EXPOSED SURFACES OF CURBS AND GUTTERS AND PCC SIDEWALKS.

11. NO PAYMENT SHALL BE MADE FOR OVERHAUL FROM ANY SOURCE, BUT SHALL BE CONSIDERED INCLUDED WITH EARTH EXCAVATION.

12. WHEREVER CONCRETE MASONRY WALLS, HEADWALLS, OR OTHER OBSTRUCTIONS ARE ENCOUNTERED THEY SHALL BE REMOVED TO AN ELEVATION OF 1 FOOT BELOW THE ESTABLISHED GRADE OR SUBGRADE AS SHOWN ON THE PLANS. SUCH WORK SHALL BE CONSIDERED INCLUDED IN EARTH EXCAVATION.

- FIRE HYDRANTS TO BE MOVED SHALL BE PLACED ACCORDING TO THE DIRECTION OF THE ENGINEER.

- POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES), HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT ARE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL OF UNSUITABLE AND UNSTABLE SOILS AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED FROM THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.

GENERAL NOTES (CONT.)

- ALL MAILBOXES TO BE TEMPORARILY RELOCATED, PER ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS, SHALL BE ERECTED AT TEMPORARY LOCATIONS AS DIRECTED BY THE ENGINEER.

- TYPE I, TYPE II, AND TYPE III BARRICADES SHALL BE WEIGHTED IN A MANNER APPROVED BY THE MANUFACTURER SO THEY ARE NOT MOVED BY TRAFFIC.

- BUTT JOINTS SHALL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

- THE STAGE LINE INDICATED ON THE CROSS SECTIONS IS THE BASIS FOR THE EARTHWORK QUANTITIES SHOWN ON THE EARTH WORK SCHEDULE.

- WHERE SECTION, SUBSECTION, SUBDIVISION OR PROPERTY MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

- THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES AND OTHER UTILITIES SHOWN ON THE PLANS ARE BASED ON FIELD INVESTIGATIONS AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTORS' RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATIONS FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PRIVATE AND COMMERCIAL ENTRANCES FOR PROPERTY ABUTTING THE HIGHWAY OR STREET BEING IMPROVED AT ALL TIMES DURING CONSTRUCTION. WHEN A PROPERTY HAS ONLY A SINGLE ENTRANCE, THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED ENTRANCE ONE HALF AT A TIME IN ORDER TO MAINTAIN ACCESS. WHEN A PROPERTY HAS MULTIPLE ENTRANCES, ONE OF THE ENTRANCES SHALL REMAIN OPEN AT ALL TIMES.

22. THE CONTRACTOR SHALL VERIFY THE ELEVATIONS SHOWN IN THE PLANS WHERE PROPOSED IMPROVEMENT MEETS THE EXISTING PAVEMENT OR GROUND. THE ENGINEER SHALL BE NOTIFIED OF DISCREPANCIES BETWEEN THESE ELEVATIONS IN SUFFICIENT TIME PRIOR TO FINAL GRADING OR PAVING TO ALLOW ELEVATION ADJUSTMENT TO BE MADE TO MEET FIELD CONDITIONS. THE EXISTING PAVEMENT AND GROUND ELEVATIONS SHOWN ON THE PLANS ARE DERIVED FROM COMPUTER TERRAIN MODELING AND MAY REQUIRE ADJUSTMENT TO MEET THE EXISTING PAVEMENT OR GROUND ELEVATION. ELEVATION ADJUSTMENTS DUE TO EXISTING PAVEMENT OR GROUND ELEVATION DISCREPANCIES SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION AND SHALL BE CONSIDERED AS INCLUDED IN THE WORK FOR THE GRADING AND PAVING PAY ITEMS PROVIDED IN THE CONTRACT.

- THE WORK OF REMOVING SIGN PANELS SHALL INCLUDE THE REMOVAL OF THEIRS SUPPORTS. THE COST OF REMOVAL OF SUPPORTS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR REMOVE SIGN PANEL, OF THE TYPE SPECIFIED.

- REMOVAL OF EXISTING FENCES, EXCEPT AT THE LOCATIONS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS, WILL BE INCLUDED IN THE WORK OF CLEARING IN ACCORDANCE WITH SECTION 201 OF THE STANDARD SPECIFICATIONS.

DRAINAGE NOTES

- INVERT ELEVATION FOR EXISTING PIPES HAVE BEEN SHOWN ON THE PLANS WHEN SURVEY INFORMATION WAS AVAILABLE. THE CONTRACTOR SHALL VERIFY THE INVERT ELEVATIONS FOR EXISTING PIPES IN THE FIELD AT THE TIME OF CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

- FOR INSTALLATION OF PROPOSED DRAINAGE STRUCTURES IN THE EXISTING SEWERS A PORTION OF THE EXISTING PIPE SHALL BE CUT AND REMOVED. THE PROPOSED STRUCTURE SHALL BE PROVIDED WITH ADEQUATELY SIZED OPENING SUCH THAT THE EXISTING PIPE MAY BE CONNECTED AT ITS EXISTING INVERT ELEVATION. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE EACH FOR THE TYPE AND KIND OF DRAINAGE STRUCTURE TO BE INSTALLED.

- FOR PROPOSED STORM SEWER OR PIPE CULVERT CONNECTIONS TO EXISTING PIPES, BOX CULVERT, OR STRUCTURES, THE CONNECTION AND REMOVAL OF CONCRETE TO MAKE NECESSARY HOLES IN THE EXISTING PIPES, EXISTING BOX CULVERTS, OR EXISTING STRUCTURES WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER FOOT FOR STORM SEWERS OR PIPE CULVERTS OF THE DIAMETER, TYPE, AND CLASS SPECIFIED, AND OF THE PARTICULAR KIND OF MATERIAL WHEN SPECIFIED.

- REMOVAL OF MANHOLES, CATCH BASINS AND ANY OTHER EXISTING DRAINAGE STRUCTURES SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "DRAINAGE STRUCTURE REMOVAL", REGARDLESS OF SHAPE, DEPTH OR SIZE OF THE STRUCTURE.

5. TOP OF GRATE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLANS WERE DETERMINED BY COMPUTER TERRAIN MODELING. REVISION OF THE TOP OF GRATE ELEVATION, BY THE ENGINEER AT THE TIME OF CONSTRUCTION, TO MEET FIELD CONDITIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION AND SHALL BE CONSIDERED AS INCLUDED IN THE WORK FOR THE DRAINAGE STRUCTURE.

- REMOVAL OF EXISTING UNDERDRAINS AND HEADWALLS FOR UNDERDRAINS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION.

- THE CONTRACTOR SHALL VERIFY THE INVERTS, SIZES, AND MATERIAL FOR ALL EXISTING STORM SEWERS THAT ARE BEING CONNECTED TO THE PROPOSED STORM SEWER SYSTEM.

8. THE CONTRACTOR SHALL PROVIDE POSITIVE TEMPORARY DRAINAGE UNTIL THE FINAL SURFACE IS PLACED. THE COST OF WORK REQUIRED TO PROVIDE POSITIVE TEMPORARY DRAINAGE SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROPOSED WORK, UNLESS OTHERWISE SPECIFIED. TEMPORARY DRAINAGE STRUCTURES AND PIPE SHALL BE PAID FOR SEPARATELY.

- SEE DRAINAGE SCHEDULE SHEET 72 FOR DETAILS ON OFFSET AND STRUCTURE LOCATIONS.

10. SEE DRAINAGE DETAIL SHEET 86 FOR STRUCTURES WITH RESTRICTOR PLATES. THE COST OF THE RESTRICTOR PLATES WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE EACH FOR THE TYPE AND KIND OF DRAINAGE STRUCTURE TO BE INSTALLED.

- ENTIRE DRAINAGE SYSTEM WITHIN THE PROJECT LIMITS MUST BE CLEANED PRIOR TO MCDOT ACCEPTANCE.

- ALL OPEN DRAINAGE STRUCTURES SHALL CONTAIN THE TEXT "DUMP NO WASTE" AND "DRAINS TO WATERWAYS" PER MCDOT NPDES BMP'S. SEE SPECIAL PROVISIONS.

- EXCAVATION TO BE USED FOR EMBANKMENTS SHALL NOT BE STOCKPILED UNLESS PERIMETER EROSION BARRIER IS UTILIZED.

14. PERIMETER EROSION BARRIER UTILIZED FOR EMBANKMENT MATERIAL THAT IS STOCKPILED FOR THE CONVENIENCE OF THE CONTRACTOR WILL NOT BE MEASURED FOR PAYMENT AND THE COST OF THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION. PERIMETER EROSION BARRIER UTILIZED FOR EMBANKMENT MATERIAL THAT IS STOCKPILED AT THE DIRECTION OF THE ENGINEER WILL BE PAID FOR SEPARATELY.

- PRECAST REINFORCED CONCRETE FLARED END SECTIONS WILL BE INCLUDED IN THE LENGTH OF MEASUREMENT FOR PIPE CULVERT REMOVAL. REMOVAL OF GRATING FOR PRECAST CONCRETE FLARED END SECTIONS WILL NOT BE MEASURED FOR PAYMENT BUT THE COST OF THE WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PIPE CULVERT REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ATTORNEY: J. DON...
 12/3/16 10:10:11
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 12/3/16 10:10:11
 STANKR...
 12/3/16 10:10:11

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

GENERAL NOTES

SCALE: N.T.S. DRAWN BY: MCD
DATE: 12/01/09 CHECKED BY: KA



SUMMARY OF QUANTITIES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	5
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO: 63266				

ITEM NO	DESCRIPTION	UNIT	URBAN TOTAL	CONSTRUCTION TYPE CODE				
				ROADWAY 80% FED 20% COUNTY	TRAFFIC SIGNALS 80% FED 20% COUNTY	RETAINING WALL 80% FED 20% COUNTY	WATERMAIN 78% COUNTY 22% CRYSTAL LAKE	COUNTY 100%
35501320	HOT-MIX ASPHALT BASE COURSE, 9"	SQ YD	13983	I000-2A 13983	Y031-IF	Y007	Y060	I000-2A
40300200	BITUMINOUS MATERIALS (PRIME COAT)	TON	37.7	37.7				
40600300	AGGREGATE (PRIME COAT)	TON	94	94				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	10	10				
40600895	CONSTRUCTING TEST STRIP	EACH	4	4				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	486	486				
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	9441	9441				
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	1145	1145				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	3941	3941				
42001300	PROTECTIVE COAT	SQ YD	8140	8140				
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	1677	1677				
42400440	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH, SPECIAL	SQ FT	10321	10321				
42400800	DETECTABLE WARNINGS	SQ FT	425	425				
44000100	PAVEMENT REMOVAL	SQ YD	869	869				
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	6369	6369				
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	2269	2269				
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1911	1911				
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	122	122				
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	1013	1013				
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	83	83				
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	19247	19247				
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	342	342				
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	258	258				
50104400	CONCRETE HEADWALL REMOVAL	EACH	1	1				
50105220	PIPE CULVERT REMOVAL	FOOT	1495	1495				
50200100	STRUCTURE EXCAVATION	CU YD	82			82		
50300225	CONCRETE STRUCTURES	CU YD	173.5			173.5		
50500505	STUD SHEAR CONNECTORS	EACH	656			656		
50700209	UNTREATED TIMBER LAGGING	SQ FT	1733			1733		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	21140			21140		
* 50901725	BICYCLE RAILING, SPECIAL	FOOT	119	119				
* 50901750	PARAPET RAILING	FOOT	500			500		
50901765	PIPE HANDRAIL, SPECIAL	FOOT	1272	1272				
51202230	FURNISHING SOLDIER PILES (W SECTION)	FOOT	879			879		
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	31	31				
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	18	18				
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	8	8				
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2				

* SPECIALTY ITEM

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

**SUMMARY OF QUANTITIES
2 OF 6**

SCALE: N.T.S. DRAWN BY: MCD
DATE: 12/01/09 CHECKED BY: KA

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
205 N. MICHIGAN AVE., CHICAGO, IL 60601
TELEPHONE: 312/616-0000

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SUMMARY OF QUANTITIES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	8
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO: 63266				

ITEM NO	DESCRIPTION	UNIT	URBAN TOTAL	CONSTRUCTION TYPE CODE				
				ROADWAY 80% FED 20% COUNTY	TRAFFIC SIGNALS 80% FED 20% COUNTY	RETAINING WALL 80% FED 20% COUNTY	WATERMAIN 78% COUNTY 22% CRYSTAL LAKE	COUNTY 100%
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	29365	I000-2A 29365	Y031-1F	Y007	Y060	I000-2A
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	5004	5004				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1273	1273				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	410	410				
* 78300100	PAVEMENT MARKING REMOVAL	SQ FT	14282	14282				
* 78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	131	131				
* 81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	161		161			
* 81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	336		336			
* 81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	299		299			
* 81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	156		156			
* 81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	65		65			
* 81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	974		974			
* 81400100	HANDHOLE	EACH	12		12			
* 81400300	DOUBLE HANDHOLE	EACH	4		4			
* 81700215	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 2-1/C NO. 10	FOOT	2627		2627			
* 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	930		930			
* 82103250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250 WATT	EACH	14		14			
* 85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	4		4			
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	997		997			
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2403		2403			
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	6991		6991			
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2480		2480			
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	306		306			
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	15		15			
* 87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1		1			
* 87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	3		3			
* 87702890	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	6		6			
* 87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	2		2			
* 87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	2		2			
* 87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1		1			
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	64		64			
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	16		16			
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	210		210			
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	21		21			
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	10		10			
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	7		7			
* 88030210	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1		1			
* 88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	7		7			
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6		6			
* 88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	28		28			
* 88700200	LIGHT DETECTOR	EACH	8		8			
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	4		4			

* SPECIALTY ITEM

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

SUMMARY OF QUANTITIES 5 OF 6

SCALE: N.T.S. DRAWN BY: MCD
DATE: 12/01/09 CHECKED BY: KA

TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
205 N. MICHIGAN AVE., CHICAGO, IL 60601
TELEPHONE: 312/616-0000

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SUMMARY OF QUANTITIES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	9
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO: 63266				

ITEM NO	DESCRIPTION	UNIT	URBAN TOTAL	CONSTRUCTION TYPE CODE				
				ROADWAY 80% FED 20% COUNTY	TRAFFIC SIGNALS 80% FED 20% COUNTY	RETAINING WALL 80% FED 20% COUNTY	WATERMAIN 78% COUNTY 22% CRYSTAL LAKE	COUNTY 100%
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	6	1000-2A	Y031-IF	Y007	Y060	1000-2A
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1			
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1			
* 89502380	REMOVE EXISTING HANDHOLE	EACH	11		11			
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9		9			
X0321598	MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	1	1				
X0322033	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	39	39				
* X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	25	25				
X0324455	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	4080			4080		
X2010400	STUMP REMOVAL ONLY	UNIT	414	414				
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	27	27				
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	2	2				
X4023000	TEMPORARY ACCESS (ROAD)	EACH	10	10				
X5121800	PERMANENT STEEL SHEET PILING	SQ FT	5060			5060		
* X8050015	SERVICE INSTALLATION - POLE MOUNTED	EACH	4		4			
* X8620020	UNINTERRUPTIBLE POWER SUPPLY	EACH	4		4			
* X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	2089		2089			
* X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	1128		1128			
* XX003519	DUCTILE IRON WATER MAIN FITTING - 12" X 6" TEE	EACH	2				2	
* XX004731	CONNECTION TO EXISTING WATERMAIN	EACH	2				2	
XX005400	RESTRICTED DEPTH MANHOLES, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3				
* XX005723	VIDEO DETECTION SYSTEM COMPLETE INTERSECTION	EACH	4		4			
* XX005776	DUCTILE IRON WATER MAIN FITTINGS 45 BEND 12"	EACH	4				4	
XX006746	RUSTICATION FINISH TYPE 1	SQ FT	2274			2274		
XX007103	RESTRICTED DEPTH MANHOLES, 5'-DIAMETER, 2-TYPE 1 FRAME & LID, RESTRICTOR PLATE	EACH	3	3				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1				
Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	10	10				
Z0019500	DRYWELL	EACH	1	1				
Z0022800	FENCE REMOVAL	FOOT	1376	1376				
Z0066400	STABILIZED DRIVEWAYS 6"	SQ YD	1511	1511				
Z0066600	STABILIZED DRIVEWAYS 8"	SQ YD	551	301				250
△ Z0076600	TRAINEES	hour	2000	2000				
XX008290	TEMPORARY DITCH CHECKS, SPECIAL	EACH	213	213				
550A5100	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 30"	FOOT	9	9				
550A510	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 48"	FOOT	497	497				
51215460	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 60"	EACH	1	1				
* X8730180	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 18 3C	FOOT	2865		2865			
XX002173	TREATED TIMBER RAIL	FOOT	490	490				
XX00 8337	SIGHT SCREEN (WOODEN FENCE), TYPE P 4', MODIFIED, ATTACHED TO STRUCTURE	FOOT	75	75				
64100115	SIGHT SCREEN (WOODEN FENCE), TYPE P 6'	FOOT	74	74				

* SPECIALTY ITEM
△ Y080

REVISIONS	
NAME	DATE

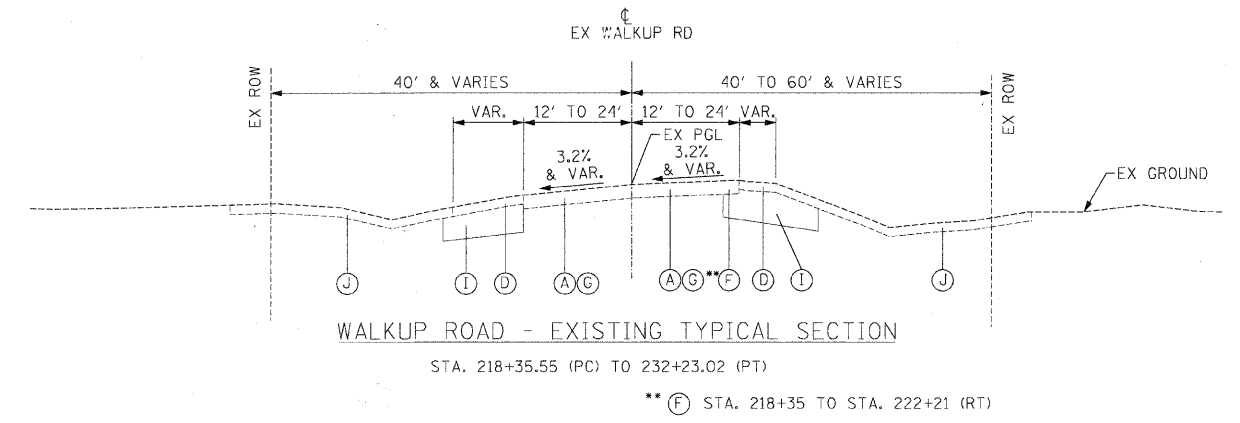
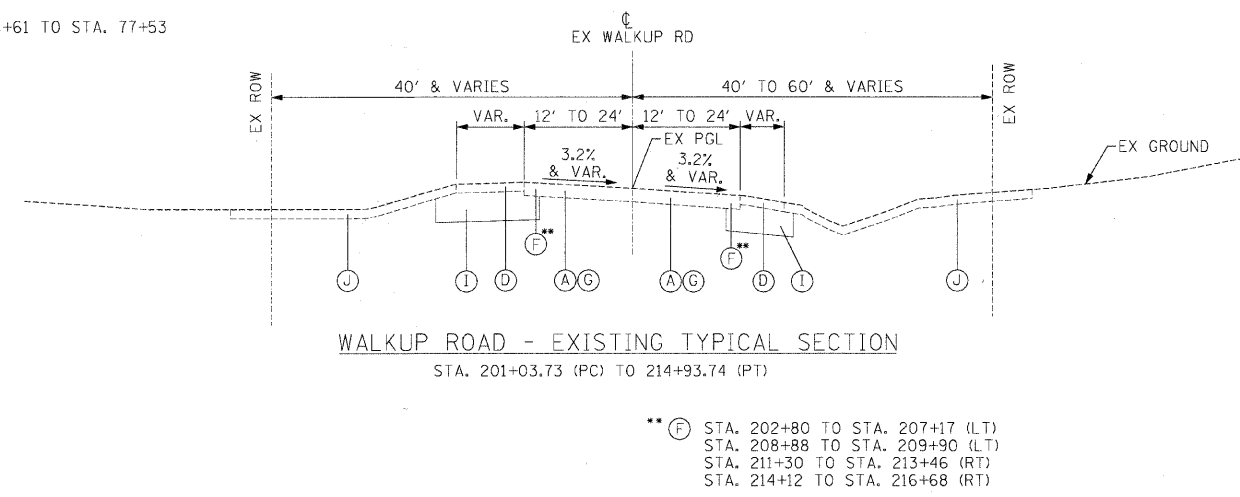
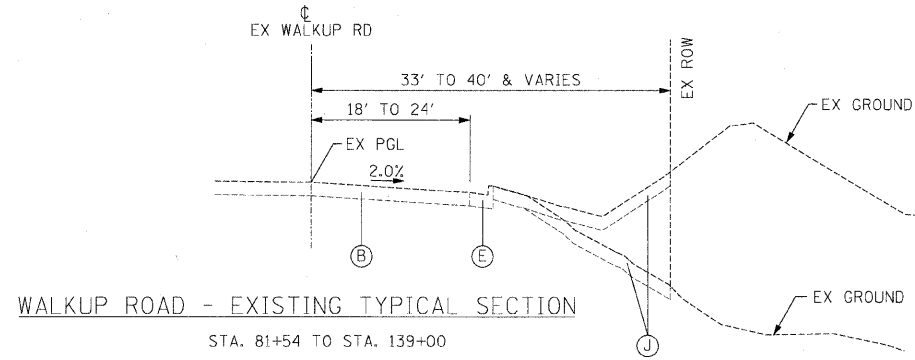
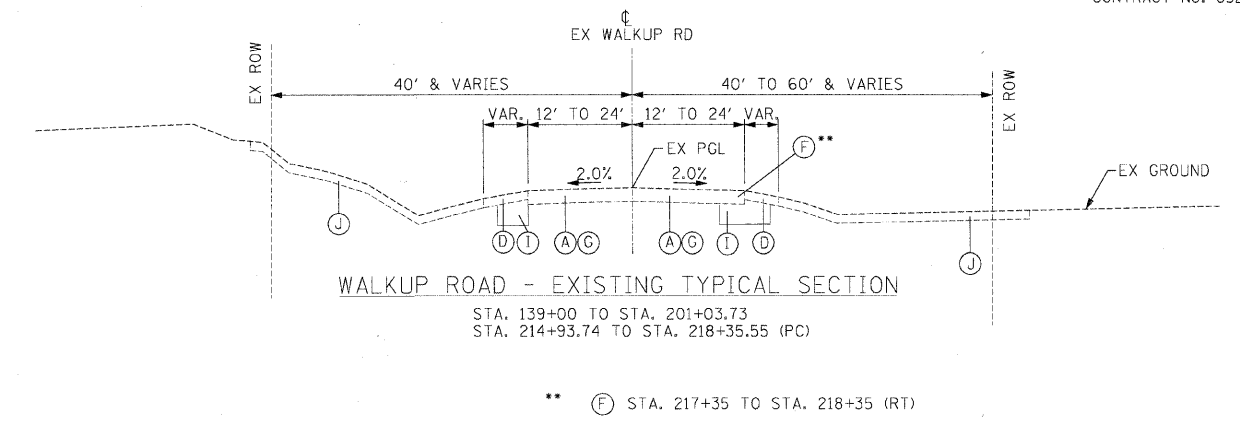
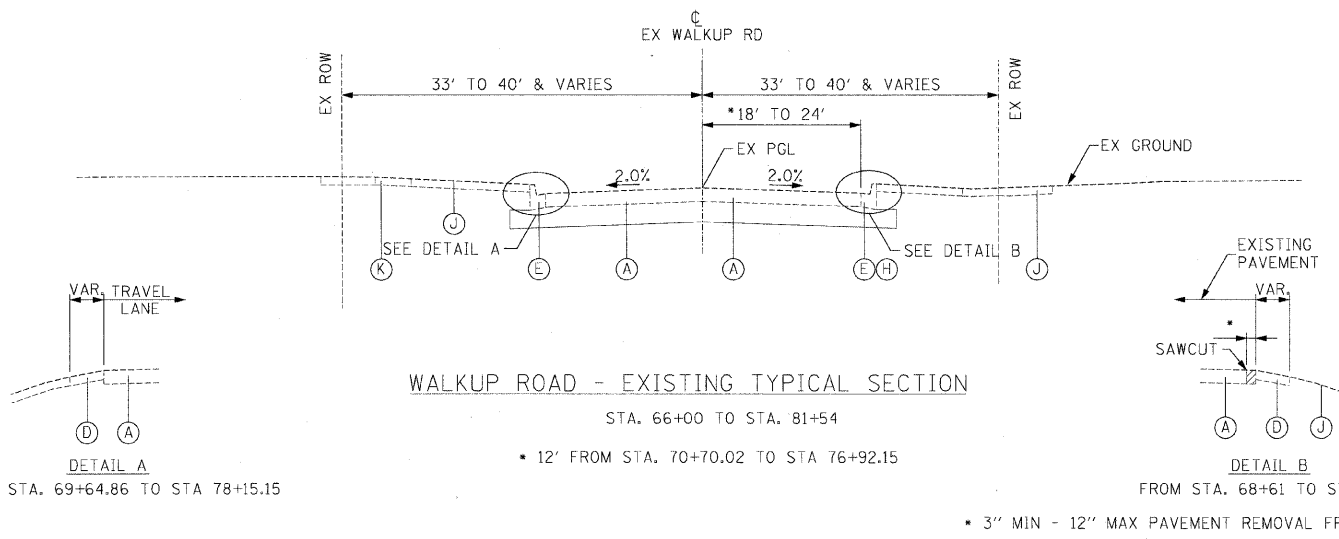
MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

SUMMARY OF QUANTITIES
6 OF 6

SCALE: N.T.S. DRAWN BY: MCD
DATE: 12/01/09 CHECKED BY: KA



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EXISTING LEGEND

(A) ASPHALT PAVEMENT (9")	(F) PAVEMENT REMOVAL	(K) PCC SIDEWALK
(B) ASPHALT PAVEMENT (11")	(G) HOT-MIX ASPHALT SURFACE REMOVAL, VAR. DEPTH	(L) SIDEWALK REMOVAL
(C) AGGREGATE SUBGRADE	(H) COMBINATION CURB & GUTTER REMOVAL	
(D) AGGREGATE SHOULDER	(I) REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (UNDERCUT)	
(E) COMBINATION CONCRETE CURB & GUTTER	(J) REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (TOPSOIL)	

NOTE:
 SEE SHEET 20 AND CROSS SECTIONS
 FOR DEPTHS AND LOCATIONS OF UNDERCUT

REVISIONS

NAME	DATE

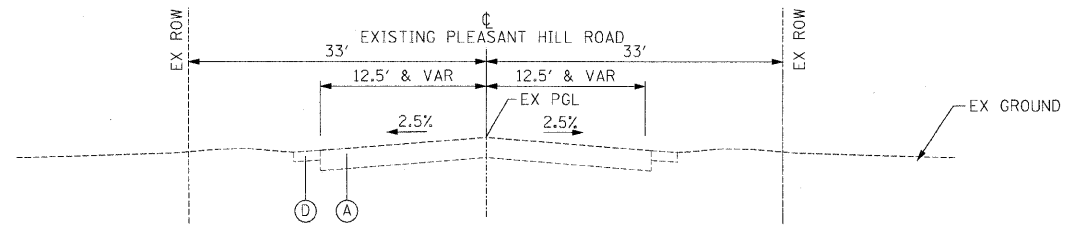
MCHENRY COUNTY DIVISION OF TRANSPORTATION
 WALKUP ROAD F.A.U. 0085

**EXISTING TYPICAL SECTIONS
 WALKUP ROAD**

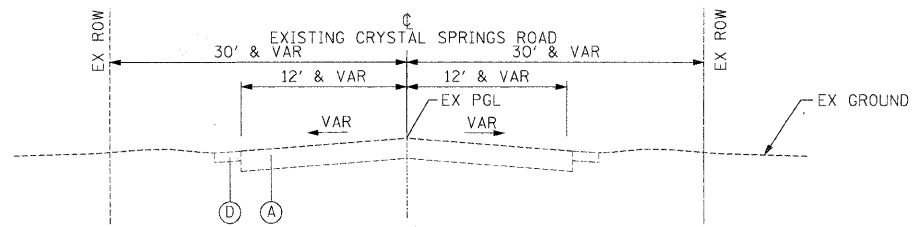
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TENG
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 TELEPHONE: 312.616.0000

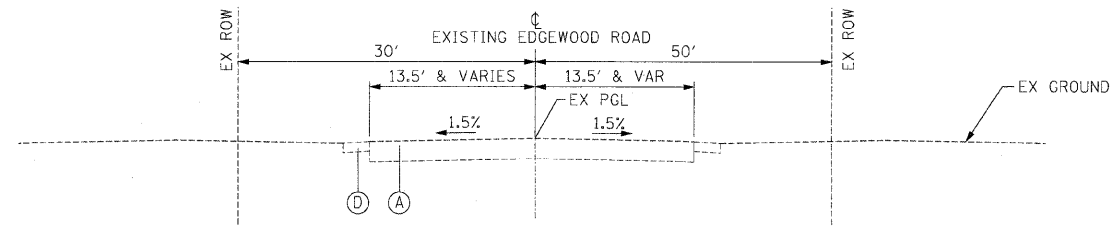
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EXISTING PLEASANT HILL ROAD
STA. 40+53.96 TO STA. 41+97.76



EXISTING CRYSTAL SPRINGS ROAD
STA. 16+06.49 TO STA. 17+08.30



EXISTING EDGEWOOD ROAD
STA. 22+14.24 TO STA. 25+21.06

EXISTING LEGEND

(A) ASPHALT PAVEMENT (9")	(F) PAVEMENT REMOVAL	(K) PCC SIDEWALK
(B) ASPHALT PAVEMENT (11")	(G) HOT-MIX ASPHALT SURFACE REMOVAL, VAR. DEPTH	(L) SIDEWALK REMOVAL
(C) AGGREGATE SUBGRADE	(H) COMBINATION CURB & GUTTER REMOVAL	
(D) AGGREGATE SHOULDER	(I) REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (UNDERCUT)	
(E) COMBINATION CONCRETE CURB & GUTTER	(J) REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (TOPSOIL)	

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

EXISTING TYPICAL SECTIONS
SIDE STREETS

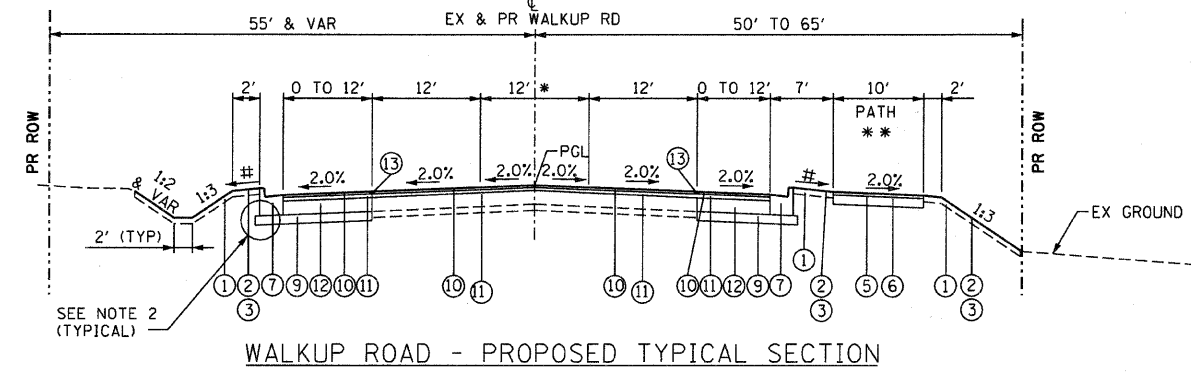
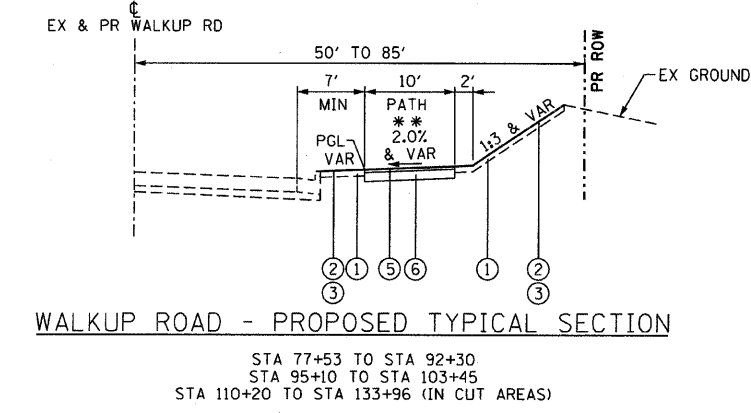
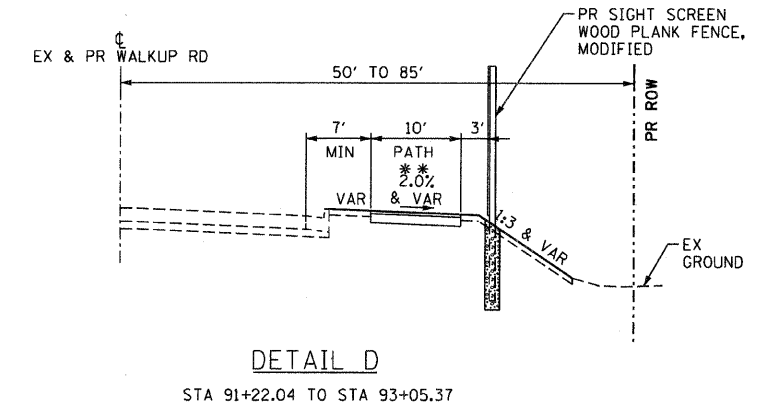
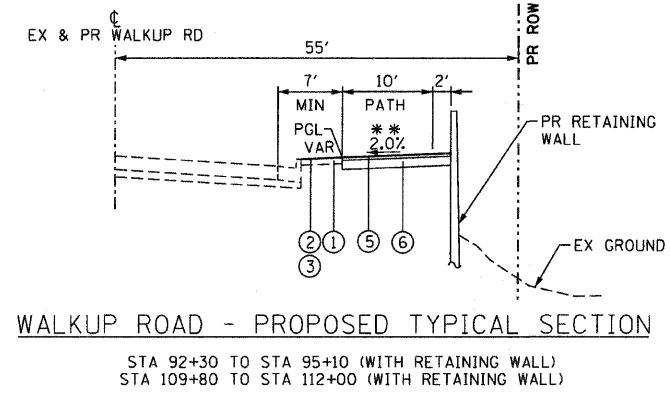
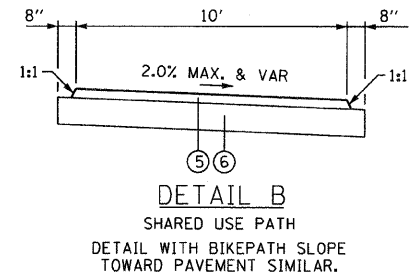
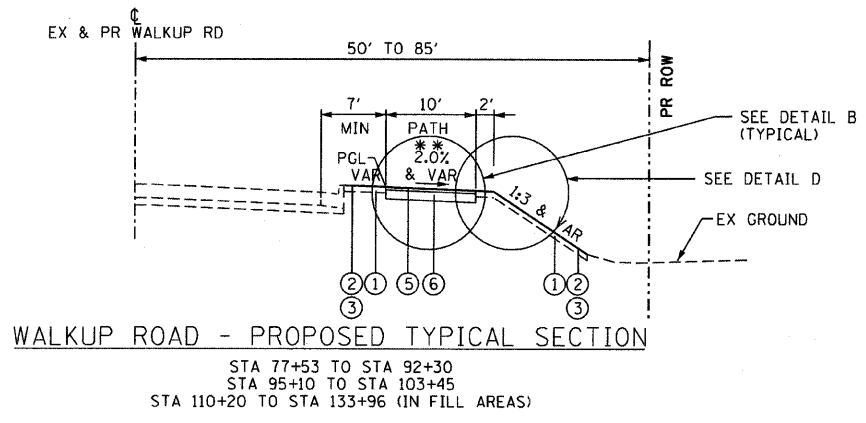
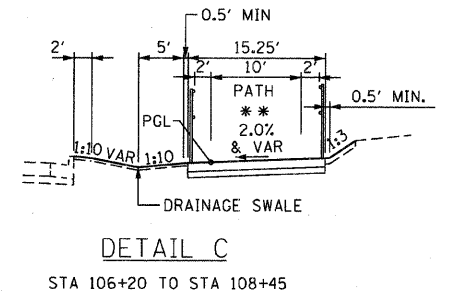
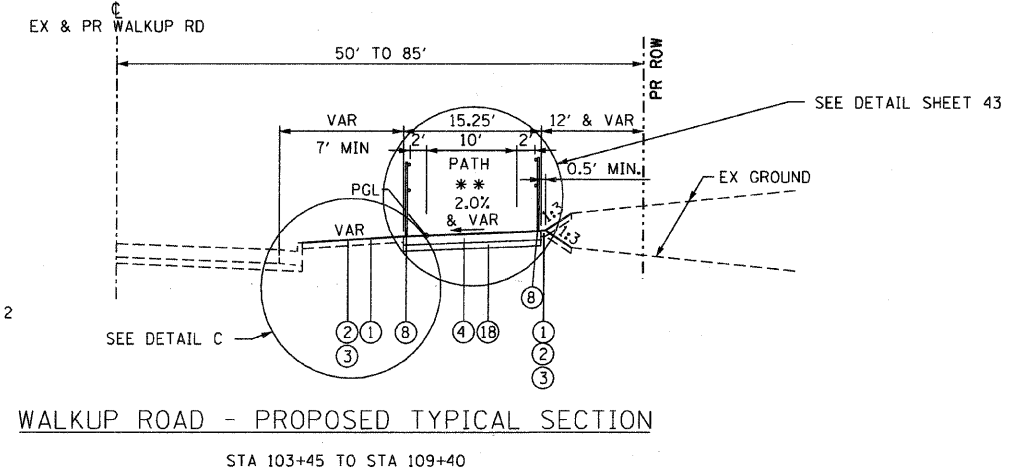
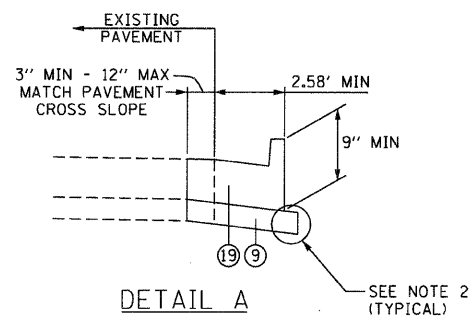
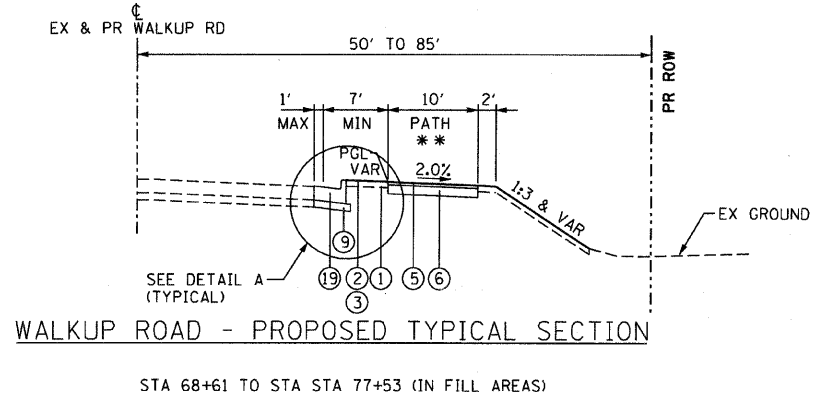
SCALE: N.T.S.
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TENG
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205 N. MICHIGAN AVE., CHICAGO, IL 60601
TELEPHONE: 312/461-9000

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	12
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO: 63266				



- NOTES:**
- SEE SHEET 20 AND CROSS SECTIONS FOR DEPTHS AND LOCATIONS OF UNDERCUT AND POROUS GRANULAR EMBANKMENT, SUBGRADE
 - EXTEND THE SUB BASE AND ANY REQUIRED UNDERCUT 6" PAST THE BACK OF CURB.
 - COMBINATION CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED FULL THICKNESS ON THE TOP OF THE SUB-BASE.
 - THE BOTTOM SLOPE OF THE COMBINATION CONCRETE CURB AND GUTTER CONSTRUCTED ADJACENT TO THE PAVEMENT SHALL BE THE SAME SLOPE AS THE ADJACENT PAVEMENT.

- # 2% AND VARIES. MAX 5.0%
- * LEFT TURN LANE/ PAINTED MEDIAN/ TWO WAY LEFT TURN LANE
- ** SEE PLAN FOR LOCATION OF SHARED USE PATH

PROPOSED LEGEND

① TOPSOIL, 4"	⑦ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (SEE NOTE 3 & 4)	⑬ STRIP REFLECTIVE CRACK CONTROL TREATMENT, TYPE A
② SEEDING, CLASS 2A & EROSION CONTROL BLANKET	⑧ PIPE HANDRAIL, SPECIAL	⑭ POROUS GRANULAR EMBANKMENT, SUBGRADE
③ SODDING, SALT TOLERANT	⑨ SUB-BASE GRANULAR MATERIAL, TYPE B, 6"	⑮ EMBANKMENT
④ PCC SIDEWALK 6 INCH, SPECIAL	⑩ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (1 1/2")	⑯ HOT-MIX ASPHALT SHOULDERS, 8"
⑤ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (2")	⑪ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (2 1/2" AND VARIABLE DEPTH)	⑰ AGGREGATE SHOULDER, TYPE B, 6"
⑥ AGGREGATE BASE COURSE, TYPE A, 6"	⑫ HOT MIX ASPHALT BASE COURSE, 9"	⑱ SUB-BASE GRANULAR MATERIAL, TYPE B, 4"
		⑲ COMBINATION CONCRETE CURB & GUTTER TYPE B (SPECIAL) (AEP)

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

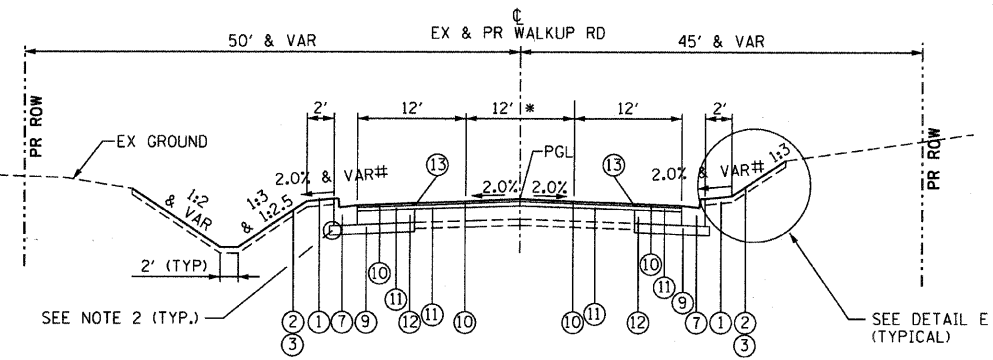
**PROPOSED TYPICAL SECTIONS I
WALKUP ROAD**

SCALE: N.T.S. DRAWN BY: MZD
DATE: 12/01/09 CHECKED BY: MCD

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
205 N. MICHIGAN AVE., CHICAGO, IL 60601
TELEPHONE: 312/416-0000

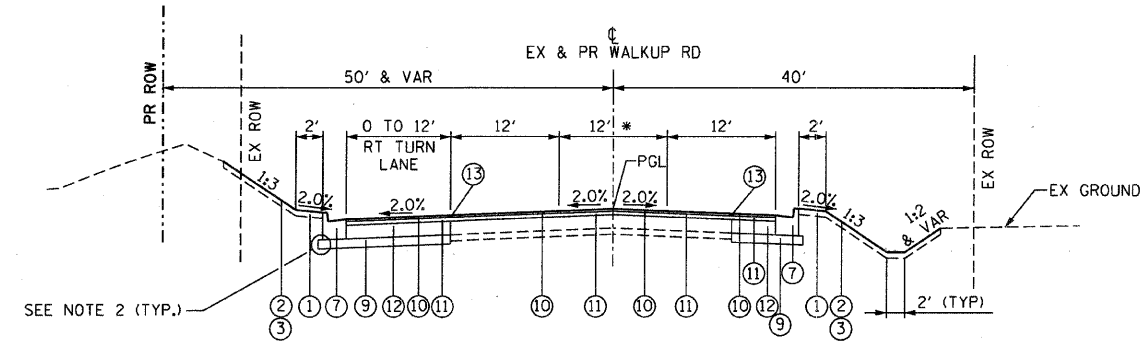
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	13
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO: 63266				



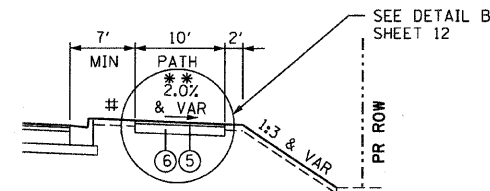
WALKUP ROAD - PROPOSED TYPICAL SECTION

STA 141+57 (SHENANDOAH CT) TO STA 147+12
 STA 156+13 TO STA 164+31
 STA 168+62 (HIDDEN OAK DR) TO STA 177+61
 STA 194+78 TO STA 199+89



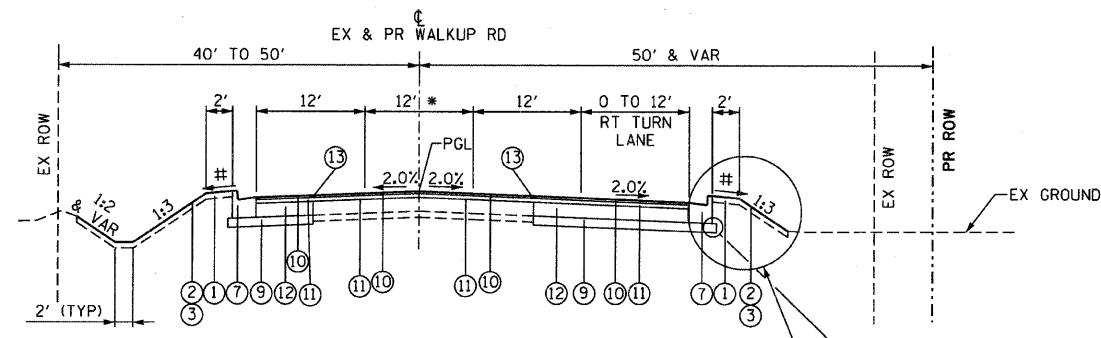
WALKUP ROAD - PROPOSED TYPICAL SECTION

STA 151+65 (DEERWOOD DR) TO STA 156+13
 STA 190+41 (OAKWOOD MANOR DR) TO STA 194+78



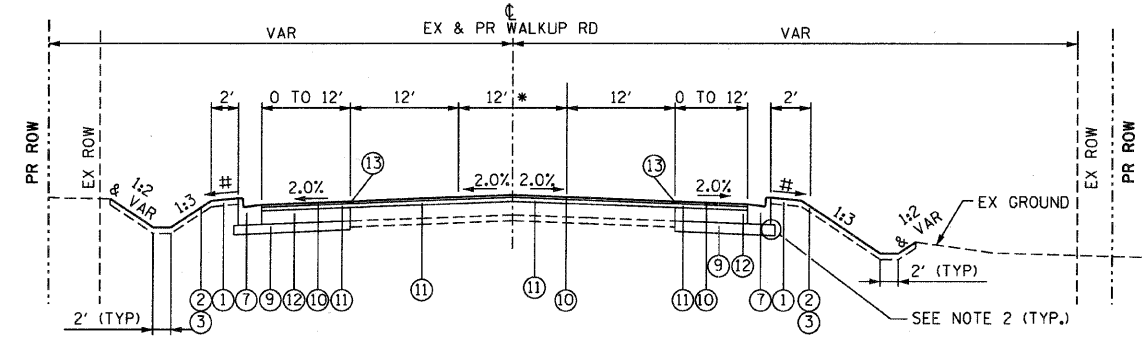
DETAIL E

STA 141+57 TO STA 147+12
 STA 147+12 TO STA 151+71



WALKUP ROAD - PROPOSED TYPICAL SECTION

STA 147+12 TO STA 151+71 (PLEASANT HILL RD)
 STA 164+31 TO STA 168+62 (HIDDEN OAK DR)
 STA 177+61 TO STA 182+08 (EDGEWOOD RD)



WALKUP ROAD - PROPOSED TYPICAL SECTION

STA 182+08 (RUNNING IRON DR) TO STA 190+42 (EDGEWOOD RD)

- NOTES:
1. SEE SHEET 20 AND CROSS SECTIONS FOR DEPTHS AND LOCATIONS OF UNDERCUT AND POROUS GRANULAR EMBANKMENT, SUBGRADE
 2. EXTEND THE SUB BASE AND ANY REQUIRED UNDERCUT 6" PAST THE BACK OF CURB.
 3. COMBINATION CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED FULL THICKNESS ON THE TOP OF THE SUB-BASE.
 4. THE BOTTOM SLOPE OF THE COMBINATION CONCRETE CURB AND GUTTER CONSTRUCTED ADJACENT TO THE PAVEMENT SHALL BE THE SAME SLOPE AS THE ADJACENT PAVEMENT.

- # 2% AND VARIES. MAX 5.0%
- * LEFT TURN LANE/ PAINTED MEDIAN/ TWO WAY LEFT TURN LANE
- ** SEE PLAN FOR LOCATION OF SHARED USE PATH

PROPOSED LEGEND

1 TOPSOIL, 4"	7 COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (SEE NOTE 3 & 4)	13 STRIP REFLECTIVE CRACK CONTROL TREATMENT, TYPE A
2 SEEDING, CLASS 2A & EROSION CONTROL BLANKET	8 PIPE HANDRAIL, SPECIAL	14 POROUS GRANULAR EMBANKMENT, SUBGRADE
3 SODDING, SALT TOLERANT	9 SUB-BASE GRANULAR MATERIAL, TYPE B, 6"	15 EMBANKMENT
4 PCC SIDEWALK 6 INCH, SPECIAL	10 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (1 1/2")	16 HOT-MIX ASPHALT SHOULDERS, 8"
5 HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (2")	11 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (2 1/2" AND VARIABLE DEPTH)	17 AGGREGATE SHOULDER, TYPE B, 6"
6 AGGREGATE BASE COURSE, TYPE A, 6"	12 HOT MIX ASPHALT BASE COURSE, 9"	18 SUB-BASE GRANULAR MATERIAL, TYPE B, 4"
		19 COMBINATION CONCRETE CURB & GUTTER TYPE B (SPECIAL) (AEP)

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
 WALKUP ROAD F.A.U. 0085

PROPOSED TYPICAL SECTIONS II WALKUP ROAD

SCALE: N.T.S. DRAWN BY: MZD
 DATE: 12/01/09 CHECKED BY: MCD

TENG
 TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 205 N. MICHIGAN AVE., CHICAGO, IL 60601
 TELEPHONE: 312/616-0000

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SCHEDULE OF QUANTITIES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	16
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO: 63266				

PAVEMENT REMOVAL

FR STA	WIDTH FT	TO STA	WIDTH FT	TOTAL	SO YD
189+50	VAR	190+10	VAR	11.1	
202+80	VAR	207+18	VAR	241.7	
208+91	VAR	209+90	VAR	43.9	
211+31	VAR	213+46	VAR	55.4	
214+13	VAR	216+62	VAR	131.7	
217+40	VAR	220+00	VAR	227.4	
220+00	VAR	222+24	VAR	91.1	
248+47	VAR	249+00	VAR	20.8	
SIDE STREETS					
HIDDEN OAK DR				45.6	

CLASS D PATCHES, TYPE II, 9 INCH

LOCATION	STA	LGTH	WIDTH	# OF PATCHES / SPOT	SO YD
NB & SB	147+00	4	12	2	10.7
NB & SB	149+00	4	12	2	10.7
NB & SB	150+50	4	13	2	11.6
NB & SB	154+00	6	12	2	16.0
NB & SB	173+50	6	12	2	16.0
NB & SB	203+50	6	16	2	21.3
NB & MED	209+00	6	18	1	12.0
SB & MED	216+00	6	18	1	12.0
SB & MED	217+75	6	18	1	12.0

FENCE REMOVAL

LOCATION	STA	STA	FOOT
INDIAN HILL	91+56.08	93+02.40	146.3
HIDDEN OAK TO	168+94.04	178+37.71	943.7
EDGEWOOD	178+61.15	181+47.18	286.0

CLASS D PATCHES, TYPE III, 9 INCH

LOCATION	STA	LGTH	WIDTH	# OF PATCHES / SPOT	SO YD
WALKUP	163+00	8	12	2	21.3
WALKUP	165+00	6	12	2	16.0
WALKUP	168+00	4	12	2	10.7
WALKUP	176+25	6	12	2	16.0
WALKUP	178+00	6	12	2	16.0
WALKUP	186+50	8	12	2	21.3
WALKUP	188+00	6	12	2	16.0
WALKUP	192+00	10	12	2	26.7
WALKUP	196+50	6	12	2	16.0
WALKUP	198+25	16	12	2	42.7
WALKUP	204+25	6	17	2	22.7
WALKUP	207+00	6	18	2	24.0
WALKUP	212+00	6	18	2	24.0
WALKUP	212+25	6	18	2	24.0
WALKUP	220+80	12	18	2	48.0
LATERAL PATCHING FOR STORM SEWERS					
WALKUP	140+37	24	8	1	21.3
WALKUP	142+25	25	8	1	22.2
WALKUP	143+90	24	8	1	21.3
WALKUP	146+30	24	8	1	21.3
WALKUP	147+30	24	8	1	21.3
WALKUP	149+90	25	8	1	22.2
WALKUP	152+20	37	8	1	32.9
WALKUP	153+45	36	8	1	32.0
WALKUP	157+05	24	8	1	21.3
WALKUP	159+05	25	8	1	22.2
WALKUP	161+37	31	8	1	27.6
WALKUP	164+05	24	8	1	21.3
WALKUP	166+18	25	8	1	22.2
WALKUP	167+92	34	8	1	30.2
WALKUP	170+95	24	8	1	21.3
WALKUP	178+20	25	8	1	22.2
WALKUP	178+50	25	10	1	27.8
WALKUP	182+70	24	8.5	1	22.7
WALKUP	184+00	24	8	1	21.3
WALKUP	187+93	24	8	1	21.3
WALKUP	192+15	34	8	1	30.2
WALKUP	194+45	25	8	1	22.2
WALKUP	199+35	25	11.25	1	31.3
WALKUP	204+00	29	8	1	25.8
WALKUP	211+10	34	8.25	1	31.2
WALKUP	220+45	31	8.25	1	28.4
WALKUP	223+40	27	7.5	1	22.5

CLASS D PATCHES, TYPE IV, 9 INCH

LOCATION	STA	LGTH	WIDTH	# OF PATCHES / SPOT	SO YD
NB & SB	192+40	10	12	2	26.7
NB & SB	194+00	10	12	2	26.7
NB & SB	194+50	6	12	2	16.0
NB & SB	202+50	4	15	2	13.3

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REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

SCHEDULE OF QUANTITIES

1 OF 5

SCALE: N.T.S. DRAWN BY: MZD

DATE: 12/01/09 CHECKED BY: MCD

TENG

TENG & ASSOCIATES - INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 205 N. MICHIGAN AVE., CHICAGO, IL 60601
 TELEPHONE: 312/816-0099

SCHEDULE OF QUANTITIES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	17
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO: 63266				

PIPE CULVERT REMOVAL

					TOTAL	1495	FOOT
FR STA	OFFSET	TO STA	OFFSET	FOOT			
112+99	44.8	113+38	46.4	39			
141+33	52.5	141+83	54.5	50			
151+04	-35.3	152+31	-34.0	127			
151+41	28.3	151+91	28.3	50			
157+16	23.0	157+42	23.6	26			
159+15	-22.4	159+39	-21.7	24			
160+94	-34.5	162+90	-35.5	196			
167+65	-25.0	167+65	30.7	56			
168+35	51.3	168+92	51.4	57			
176+26	23.0	176+52	23.0	26			
176+77	-23.7	176+98	-24.5	21			
178+50	-23.4	178+49	27.4	51			
179+75	24.2	179+95	23.5	20			
180+68	-21.7	181+14	-22.4	46			
181+37	-50.4	182+57	-38.0	121			
181+73	22.0	182+15	22.0	42			
187+77	24.0	188+32	25.0	55			
190+75	21.8	190+75	24.7	37			
190+73	146.0	190+70	173.0	2			
191+06	42.3	190+94	25.0	21			
192+63	26.0	192+89	24.5	26			
194+16	26.0	194+40	25.5	24			
196+26	-30.0	196+53	-30.0	27			
198+90	24.0	199+19	22.0	29			
199+85	-25.0	200+19	-24.0	34			
200+08	22.0	200+29	21.0	21			
204+02	23.0	204+27	23.0	25			
206+09	-39.0	206+35	-39.6	26			
211+10	-30.0	211+10	24.8	55			
212+80	-34.0	213+04	-30.0	24			
217+04	-22.0	217+28	-22.0	24			
219+56	-26.0	219+83	-26.0	27			
220+44	-19.0	220+45	-42.0	23			
221+56	-25.0	221+99	-25.0	43			
76+09	30.5		6	6			
160+87	-37		6	6			
190+11	-39		6	6			
190+75	21		6	6			
191+05	-41		6	6			

• SINGLE PREFABRICATED END SECTION REMOVAL TO BE PAID AS PIPE CULVERT REMOVAL.

CONCRETE HEADWALL REMOVAL

					TOTAL	1	EACH
TYPE	STA	OFFSET	LT/RT				
60" DBL HDWL	126+70	36	RT				

DRAINAGE STRUCTURE TO BE REMOVED

					TOTAL	10	EACH
STA	OFFSET	EACH					
102+79	58.5	1					
126+50	37.0	1					
134+93	-29.0	1					
135+06	-37.0	1					
136+01	-18.0	1					
136+01	-30.0	1					
138+50	-18.5	1					
138+50	-29.0	1					
138+51	20.0	1					
182+57	-38.0	1					

MANHOLES TO BE ADJUSTED

					TOTAL	4	EACH
STA	OFFSET	EX ELE	PR ELE	EACH			
135+00	19	844.89	845.35	1			
136+00	-27.6	847.33	847.57	1			
138+72	29.6	856.59	857.53	1			
190+75	-25	877.23	877.78	1			

INLET AND PIPE PROTECTION

					TOTAL	4	EACH
STA	LT/RT	EACH					
166+18	LT	1					
178+50	LT	1					
211+10	LT	1					
220+45	LT	1					

STORM SEWER REMOVAL 12"

					TOTAL	72	FOOT
FR STA	OFFSET	TO STA	OFFSET	FOOT			
134+93	-28.8	135+07	-37	16			
136+00	-18	136+01	-30	12			
83+67	34	83+67	42	8			
102+49	41	102+80	58.5	36			

STORM SEWER REMOVAL 18"

					TOTAL	349	FOOT
FR STA	OFFSET	TO STA	OFFSET	FOOT			
135+01	-27.8	136+01	-30	100			
136+01	-30	138+50	-29.2	249			

PIPE UNDERDRAINS 6"

					TOTAL	121	FOOT
FR STRU	FR STA	OFFSET	TO STRU	TO STA	OFFSET	FOOT	
L EDGE	167+92	-18.0	1617	167+92	31.0	49	
CL	199+30	0.0	1928	199+30	-18.0	18	
CL	199+30	0.0	1926	199+30	18.0	18	
R EDGE	223+40	18.0	2206	223+40	-18.0	36	

EARTH EXCAVATION FOR EROSION CONTROL

					TOTAL	7	CU YD
STA	LT/RT	WIDE (FT)	LENGTH (FT)	DEPTH (FT)	(CU YD)		
76+00	RT	1	10	2	0.74		
166+18	RT	2	10	2	1.48		
178+50	RT	2	10	2	1.48		
190+70	RT	2	10	2	1.48		
220+45	RT	2	10	2	1.48		

AGGREGATE (EROSION CONTROL)

					TOTAL	1	TON
STA	LT/RT	WIDE (FT)	LENGTH (FT)	DEPTH (FT)	(TON)		
76+00	RT	0.5	10	0.5	0.15		
166+18	RT	0.5	10	0.5	0.15		
178+50	RT	0.5	10	0.5	0.15		
190+70	RT	0.5	10	0.5	0.15		
220+45	RT	0.5	10	0.5	0.15		

TOPSOIL FURNISH AND PLACE, 4"

			TOTAL	56,049	SQ YD
SHEET 1	BOTTOM VIEW		187.6		
SHEET 2	TOP VIEW		2,617.4		
SHEET 2	BOTTOM VIEW		3,303.9		
SHEET 3	TOP VIEW		3,652.0		
SHEET 3	BOTTOM VIEW		3,169.2		
SHEET 4	TOP VIEW		5,036.8		
SHEET 4	BOTTOM VIEW		6,047.9		
SHEET 5	TOP VIEW		8,291.3		
SHEET 5	BOTTOM VIEW		7,576.4		
SHEET 6	TOP VIEW		6,640.6		
SHEET 6	BOTTOM VIEW		6,612.4		
SHEET 7	TOP VIEW		2,261.5		
SHEET 1	BOTTOM VIEW		651.8		

PERIMETER EROSION BARRIER

					TOTAL	14900	FOOT
FR STA	OFFSET	TO STA	OFFSET	FOOT			
67+36	78	69+22	77	186			
69+22	77	69+22	46	31			
69+22	46	73+32	46	410			
73+32	46	73+32	54	8			
73+32	54	73+97	54	65			
74+19	46	75+38	44	119			
75+38	44	76+74	44	136			
76+74	44	76+74	49	5			
76+74	49	78+23	49	149			
78+23	49	78+24	59	10			
78+24	59	80+43	59	219			
81+06	49	85+00	49	394			
93+01	54	94+50	54	149			
108+00	69	108+32	69	32			
108+56	69	109+99	69	143			
109+99	69	109+99	54	15			
109+99	54	112+92	53	293			
113+12	54	113+53	54	41			
113+53	54	113+53	47	7			
113+53	47	115+00	48	147			
115+00	48	118+78	48	378			
118+78	48	120+07	53	129			
120+07	53	127+00	54	693			
128+92	49	138+10	49	918			
148+50	56	149+49	56	99			
154+00	39	157+22	39	322			
157+38	39	159+26	39	188			
159+40	39	161+51	39	211			
161+72	39	163+45	39	173			
163+58	39	165+20	39	162			
165+20	39	166+03	59	85			
166+03	59	166+93	59	90			
178+28	40	178+28	64	24			
178+28	64	178+76	64	48			
178+76	64	178+76	49	15			
178+76	49	179+81	49	105			
179+81	49	179+81	44	5			
179+81	44	180+50	44	69			
186+76	49	188+05	49	129			
188+22	49	189+90	49	168			
189+90	49	190+20	75	40			
190+78	149	190+79	69	80			
190+79	69	191+15	39	47			
191+15	39	192+63	39	148			
192+88	39	194+20	39	132			
194+32	39	198+21	38	389			
198+21	38	198+21	39	1			
198+21							

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	18
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO: 63266				

SCHEDULE OF QUANTITIES EARTHWORK SCHEDULE

WALKUP ROAD		EARTH EXCAVATION		REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (TOPSOIL & UNDERCUT)		EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE)		EMBANKMENT		EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)		POROUS GRANULAR EMBANKMENT SUBGRADE	
		STAGE I CYD	STAGE II CYD	STAGE I CYD	STAGE II CYD	STAGE I CYD	STAGE II CYD	STAGE I CYD	STAGE II CYD	STAGE I CYD	STAGE II CYD	STAGE I CYD	STAGE II CYD
67+36.36	67+50.00	0.4	0.0	5.0	0.0	0.3	0.0	10.8	0.0	-10.5	0.0	0.0	0.0
67+50.00	68+00.00	0.0	0.0	23.9	0.0	0.0	0.0	80.3	0.0	-80.3	0.0	0.0	0.0
68+00.00	69+00.00	5.1	0.0	50.5	0.0	4.3	0.0	100.6	0.0	-96.3	0.0	0.0	0.0
69+00.00	70+00.00	9.7	0.0	50.9	0.0	5.3	0.0	54.0	0.0	-45.8	0.0	0.0	0.0
70+00.00	71+00.00	9.4	0.0	44.7	0.0	44.7	0.0	8.0	0.0	-40.5	0.0	0.0	0.0
71+00.00	72+00.00	9.6	0.0	44.6	0.0	44.6	0.0	8.1	0.0	-55.5	0.0	0.0	0.0
72+00.00	73+00.00	9.6	0.0	50.3	0.0	8.1	0.0	110.7	0.0	-102.6	0.0	0.0	0.0
73+00.00	74+00.00	9.7	0.0	25.6	0.0	8.3	0.0	78.7	0.0	-70.5	0.0	0.0	0.0
74+00.00	75+00.00	10.1	0.0	21.0	0.0	8.6	0.0	49.3	0.0	-40.8	0.0	0.0	0.0
75+00.00	76+00.00	11.1	0.0	47.6	0.0	9.4	0.0	115.2	0.0	-105.8	0.0	0.0	0.0
76+00.00	77+00.00	28.8	0.0	49.0	0.0	24.4	0.0	89.0	0.0	-64.6	0.0	0.0	0.0
77+00.00	78+00.00	31.3	0.0	45.8	0.0	26.6	0.0	8.4	0.0	18.2	0.0	0.0	0.0
78+00.00	79+00.00	38.4	0.0	46.2	0.0	32.6	0.0	4.8	0.0	27.9	0.0	0.0	0.0
79+00.00	80+00.00	30.0	0.0	46.9	0.0	25.5	0.0	23.7	0.0	1.8	0.0	0.0	0.0
80+00.00	81+00.00	0.1	0.0	24.1	0.0	0.0	0.0	23.4	0.0	-23.3	0.0	0.0	0.0
81+00.00	82+00.00	0.0	0.0	17.9	0.0	0.0	0.0	40.7	0.0	-40.7	0.0	0.0	0.0
82+00.00	83+00.00	0.0	0.0	36.6	0.0	0.0	0.0	93.4	0.0	-93.4	0.0	0.0	0.0
83+00.00	84+00.00	0.0	0.0	36.4	0.0	0.0	0.0	107.5	0.0	-107.5	0.0	0.0	0.0
84+00.00	85+00.00	0.0	0.0	34.9	0.0	0.0	0.0	87.3	0.0	-87.3	0.0	0.0	0.0
85+00.00	86+00.00	7.8	0.0	40.6	0.0	6.6	0.0	39.4	0.0	-32.8	0.0	0.0	0.0
86+00.00	87+00.00	85.2	0.0	48.6	0.0	72.4	0.0	7.4	0.0	65.0	0.0	0.0	0.0
87+00.00	88+00.00	87.3	0.0	41.6	0.0	74.2	0.0	2.2	0.0	72.0	0.0	0.0	0.0
88+00.00	89+00.00	79.4	0.0	38.1	0.0	67.4	0.0	2.1	0.0	65.3	0.0	0.0	0.0
89+00.00	90+00.00	89.6	0.0	39.8	0.0	76.2	0.0	1.4	0.0	74.7	0.0	0.0	0.0
90+00.00	91+00.00	20.1	0.0	18.1	0.0	17.1	0.0	1.0	0.0	16.1	0.0	0.0	0.0
91+00.00	92+00.00	0.0	0.0	21.2	0.0	0.0	0.0	80.6	0.0	-80.6	0.0	0.0	0.0
92+00.00	92+30.00	1.3	0.0	13.0	0.0	1.1	0.0	43.7	0.0	-42.7	0.0	0.0	0.0
92+30.00	93+00.00	6.6	0.0	26.3	0.0	5.6	0.0	72.7	0.0	-67.2	0.0	0.0	0.0
93+00.00	94+00.00	10.4	0.0	31.1	0.0	8.8	0.0	88.8	0.0	-80.0	0.0	0.0	0.0
94+00.00	95+00.00	9.9	0.0	31.2	0.0	8.4	0.0	71.1	0.0	-62.7	0.0	0.0	0.0
95+00.00	95+10.00	0.9	0.0	3.2	0.0	0.8	0.0	4.3	0.0	-3.5	0.0	0.0	0.0
95+10.00	96+00.00	25.3	0.0	31.4	0.0	21.5	0.0	21.1	0.0	0.4	0.0	0.0	0.0
96+00.00	97+00.00	187.7	0.0	52.3	0.0	159.6	0.0	3.7	0.0	155.9	0.0	0.0	0.0
97+00.00	98+00.00	527.1	0.0	81.3	0.0	448.0	0.0	4.3	0.0	443.7	0.0	0.0	0.0
98+00.00	99+00.00	575.4	0.0	82.8	0.0	489.1	0.0	6.8	0.0	482.2	0.0	0.0	0.0
99+00.00	100+00.00	566.8	0.0	75.7	0.0	481.8	0.0	5.1	0.0	476.7	0.0	0.0	0.0
100+00.00	101+00.00	588.9	0.0	76.5	0.0	500.5	0.0	1.3	0.0	499.2	0.0	0.0	0.0
101+00.00	102+00.00	278.1	0.0	60.6	0.0	236.4	0.0	1.3	0.0	235.2	0.0	0.0	0.0
102+00.00	102+70.00	40.5	0.0	27.7	0.0	34.4	0.0	1.3	0.0	33.1	0.0	0.0	0.0
102+70.00	103+00.00	4.1	0.0	4.6	0.0	3.5	0.0	0.4	0.0	3.2	0.0	0.0	0.0
103+00.00	103+27.00	5.8	0.0	5.2	0.0	4.9	0.0	0.5	0.0	4.4	0.0	0.0	0.0
103+27.00	103+45.00	22.4	0.0	8.9	0.0	19.0	0.0	0.4	0.0	18.7	0.0	0.0	0.0
103+45.00	104+00.00	76.7	0.0	31.2	0.0	65.2	0.0	0.5	0.0	64.7	0.0	0.0	0.0
104+00.00	104+50.00	29.2	0.0	26.3	0.0	24.8	0.0	0.9	0.0	23.9	0.0	0.0	0.0
104+50.00	105+00.00	22.4	0.0	26.8	0.0	19.0	0.0	1.8	0.0	17.3	0.0	0.0	0.0
105+00.00	105+55.00	38.1	0.0	30.2	0.0	32.4	0.0	1.7	0.0	30.7	0.0	0.0	0.0
105+55.00	106+00.00	44.8	0.0	25.1	0.0	38.0	0.0	0.7	0.0	37.4	0.0	0.0	0.0
106+00.00	106+60.00	96.2	0.0	35.6	0.0	81.8	0.0	0.8	0.0	81.0	0.0	0.0	0.0
106+60.00	107+00.00	75.9	0.0	24.2	0.0	64.5	0.0	0.4	0.0	64.1	0.0	0.0	0.0
107+00.00	107+65.00	100.3	0.0	37.3	0.0	85.2	0.0	0.9	0.0	84.4	0.0	0.0	0.0
107+65.00	108+00.00	42.9	0.0	19.4	0.0	36.5	0.0	0.6	0.0	35.9	0.0	0.0	0.0
108+00.00	108+65.00	34.6	0.0	33.2	0.0	29.4	0.0	5.4	0.0	24.0	0.0	0.0	0.0
108+65.00	109+00.00	0.9	0.0	16.8	0.0	0.8	0.0	14.0	0.0	-13.2	0.0	0.0	0.0
109+00.00	109+35.00	0.1	0.0	16.1	0.0	0.1	0.0	20.6	0.0	-20.5	0.0	0.0	0.0
109+35.00	109+80.00	0.1	0.0	29.2	0.0	0.1	0.0	46.4	0.0	-46.3	0.0	0.0	0.0
109+80.00	110+00.00	0.0	0.0	16.0	0.0	0.0	0.0	25.5	0.0	-25.5	0.0	0.0	0.0
110+00.00	111+00.00	0.0	0.0	56.6	0.0	0.0	0.0	90.7	0.0	-90.7	0.0	0.0	0.0
111+00.00	112+00.00	0.0	0.0	53.4	0.0	0.0	0.0	155.3	0.0	-155.3	0.0	0.0	0.0
112+00.00	113+00.00	7.3	0.0	67.0	0.0	6.2	0.0	168.2	0.0	-161.9	0.0	0.0	0.0
113+00.00	114+00.00	9.0	0.0	57.9	0.0	7.7	0.0	121.0	0.0	-113.4	0.0	0.0	0.0
114+00.00	115+00.00	4.4	0.0	47.3	0.0	3.8	0.0	112.1	0.0	-108.3	0.0	0.0	0.0
115+00.00	116+00.00	2.9	0.0	45.7	0.0	2.5	0.0	92.6	0.0	-90.1	0.0	0.0	0.0
116+00.00	117+00.00	0.2	0.0	47.3	0.0	0.1	0.0	117.5	0.0	-117.4	0.0	0.0	0.0
117+00.00	118+00.00	0.0	0.0	48.0	0.0	0.0	0.0	138.6	0.0	-138.6	0.0	0.0	0.0
118+00.00	119+00.00	0.0	0.0	50.3	0.0	0.0	0.0	156.7	0.0	-156.7	0.0	0.0	0.0
119+00.00	120+00.00	0.0	0.0	56.0	0.0	0.0	0.0	201.0	0.0	-201.0	0.0	0.0	0.0
120+00.00	121+00.00	0.0	0.0	57.5	0.0	0.0	0.0	232.8	0.0	-232.8	0.0	0.0	0.0
121+00.00	122+00.00	0.0	0.0	58.2	0.0	0.0	0.0	258.6	0.0	-258.6	0.0	0.0	0.0
122+00.00	123+00.00	0.0	0.0	61.4	0.0	0.0	0.0	281.7	0.0	-281.7	0.0	0.0	0.0
123+00.00	124+00.00	0.0	0.0	62.7	0.0	0.0	0.0	298.0	0.0	-298.0	0.0	0.0	0.0
124+00.00	125+00.00	0.0	0.0	63.8	0.0	0.0	0.0	324.9	0.0	-324.9	0.0	0.0	0.0
125+00.00	126+00.00	0.0	0.0	61.4	0.0	0.0	0.0	294.1	0.0	-294.1	0.0	0.0	0.0
126+00.00	126+55.00	0.0	0.0	33.0	0.0	0.0	0.0	179.2	0.0	-179.2	0.0	0.0	0.0
126+55.00	126+85.00	0.0	0.0	17.0	0.0	0.0	0.0	95.9	0.0	-95.9	0.0	0.0	0.0
126+85.00	127+00.00	0.0	0.0	7.8	0.0	0.0	0.0	30.0	0.0	-30.0	0.0	0.0	0.0
127+00.00	128+00.00	3.9	0.0	31.1	0.0	3.3	0.0	82.6	0.0	-79.4	0.0	0.0	0.0
128+00.00	129+00.00	3.9	0.0	25.4	0.0	3.3	0.0	35.6	0.0	-32.3	0.0	0.0	0.0

\SC0008\FR\DN_V\TIBODY_V\DN_N\SC0008\FR\DN # 30-2009-32240 F:\DOCUMENT\93\0003\CIVIL\DN\SC0008\FR\DN 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 STANKERJ

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

SCHEDULE OF QUANTITIES 3 OF 5

SCALE: N.T.S. DRAWN BY: MZD
 DATE: 12/01/09 CHECKED BY: MCD

TENG

TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 205 N. MICHIGAN AVE., CHICAGO, IL 60601
 TELEPHONE: 312/512-0000

SCHEDULE OF QUANTITIES
EARTHWORK SCHEDULE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	19
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO: 63266				

WALKUP ROAD STATION TO STATION	EARTH EXCAVATION		REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (TOPSOIL & UNDERCUT)		EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE)		EMBANKMENT		EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)		POROUS GRANULAR EMBANKMENT SUBGRADE	
	STAGE I CYD	STAGE II CYD	STAGE I CYD	STAGE II CYD	STAGE I CYD	STAGE II CYD	STAGE I CYD	STAGE II CYD	STAGE I CYD	STAGE II CYD	STAGE I CYD	STAGE II CYD
129+00.00	130+00.00	0.0	0.0	43.3	0.0	0.0	0.0	70.3	0.0	-70.3	0.0	0.0
130+00.00	131+00.00	0.0	0.0	46.6	0.0	0.0	0.0	89.2	0.0	-89.2	0.0	0.0
131+00.00	132+00.00	0.0	0.0	48.6	0.0	0.0	0.0	122.8	0.0	-122.8	0.0	0.0
132+00.00	133+00.00	0.0	0.0	48.8	0.0	0.0	0.0	142.1	0.0	-142.1	0.0	0.0
133+00.00	133+96.09	0.0	7.7	23.4	30.3	0.0	6.6	68.9	60.3	-68.9	-53.7	0.0
133+96.09	134+00.00	0.0	0.6	0.0	2.5	0.0	0.5	0.0	4.9	0.0	-4.4	8.2
134+00.00	134+72.33	0.0	9.6	0.0	46.2	0.0	8.2	0.0	94.6	0.0	-86.4	0.7
134+72.33	135+00.00	7.7	3.0	17.9	17.9	6.6	2.6	5.1	37.7	1.5	-35.1	11.9
135+00.00	136+00.00	51.9	11.0	137.1	65.8	44.1	9.3	44.9	155.1	-0.8	-145.7	87.6
136+00.00	137+00.00	54.4	10.7	96.1	59.3	47.6	9.1	47.6	185.1	-1.3	-175.9	44.4
137+00.00	138+00.00	49.4	18.0	41.9	51.9	42.0	15.3	30.4	168.9	11.6	-153.6	0.0
138+00.00	139+00.00	35.3	62.2	30.1	52.3	30.0	52.9	20.7	72.9	9.3	-20.0	0.0
139+00.00	140+00.00	42.2	244.7	35.1	66.7	35.9	208.0	29.5	1.9	6.4	206.1	0.0
140+00.00	141+00.00	74.1	370.1	41.8	78.4	63.0	314.6	29.2	0.9	33.8	313.7	0.0
141+00.00	141+57.83	34.8	101.2	18.5	22.1	29.6	86.0	15.5	0.3	14.1	85.7	0.0
141+57.83	142+00.00	9.1	3.2	9.3	5.9	7.8	2.7	14.3	5.8	-6.5	-3.1	0.0
142+00.00	143+00.00	18.3	19.7	32.3	33.5	15.6	16.7	78.0	43.5	-62.5	-26.8	0.0
143+00.00	144+00.00	16.1	21.5	39.6	39.7	13.7	18.3	98.0	62.6	-84.3	-44.3	0.0
144+00.00	145+00.00	17.6	18.4	41.0	41.3	14.9	15.6	77.3	75.6	-62.4	-60.0	0.0
145+00.00	146+00.00	22.5	19.6	59.6	57.8	19.1	16.7	70.4	76.8	-51.3	-60.2	20.5
146+00.00	147+00.00	23.8	23.9	75.3	72.3	20.2	20.3	61.0	67.0	-40.8	-46.7	42.3
147+00.00	148+00.00	27.6	23.1	78.5	83.6	23.5	19.7	64.6	56.6	-41.1	-37.0	44.2
148+00.00	149+00.00	27.5	18.4	78.1	112.3	23.4	15.6	74.7	57.4	-51.3	-41.8	43.2
149+00.00	150+00.00	23.7	16.3	75.4	136.2	20.1	13.9	82.6	97.4	-62.5	-83.5	40.9
150+00.00	151+00.00	45.1	18.8	90.5	155.0	38.3	15.9	59.5	90.1	-21.2	-74.2	48.3
151+00.00	152+00.00	67.5	50.6	70.5	112.8	57.4	43.0	18.5	30.4	38.9	12.6	57.6
152+00.00	153+00.00	52.0	82.8	38.5	49.4	44.2	70.4	11.9	7.5	32.3	62.8	0.0
153+00.00	154+00.00	31.4	58.1	43.2	34.1	26.7	49.4	17.7	20.0	9.0	29.3	0.0
154+00.00	155+00.00	51.6	23.0	54.7	31.3	43.9	19.6	54.3	60.5	-10.4	-40.9	0.0
155+00.00	156+00.00	46.0	16.2	54.3	36.8	39.1	13.7	104.8	101.1	-65.7	-87.4	0.0
156+00.00	157+00.00	27.3	17.5	44.6	33.9	23.2	14.9	101.9	87.8	-78.6	-72.9	0.0
157+00.00	158+00.00	44.9	19.7	63.1	41.3	38.2	16.7	69.9	47.6	-31.7	-30.9	20.8
158+00.00	159+00.00	49.0	20.0	80.6	50.0	41.7	17.0	47.9	36.3	-6.2	-19.3	41.5
159+00.00	160+00.00	43.6	19.6	80.2	49.7	37.1	16.6	46.2	45.3	-9.2	-28.7	40.1
160+00.00	161+00.00	23.5	20.4	46.7	39.5	20.0	17.3	36.6	44.8	-16.6	-27.5	19.4
161+00.00	162+00.00	6.9	19.6	6.6	23.7	5.9	16.6	39.3	43.3	-33.4	-26.6	0.0
162+00.00	163+00.00	6.1	21.1	9.5	19.4	5.2	18.0	43.4	31.7	-38.2	-13.7	0.0
163+00.00	164+00.00	145.2	26.6	44.9	17.8	123.5	22.7	42.8	14.9	80.7	7.8	0.0
164+00.00	165+00.00	262.8	23.5	70.3	27.2	223.4	20.0	49.9	28.7	173.5	-8.7	0.0
165+00.00	166+00.00	221.1	37.7	70.2	55.2	187.9	32.0	46.9	125.7	141.0	-93.7	0.0
166+00.00	167+00.00	211.7	45.8	94.2	116.5	180.0	38.9	61.4	173.4	118.6	-134.4	27.3
167+00.00	168+00.00	234.9	40.2	119.6	137.4	199.6	34.1	62.0	104.0	137.6	-69.8	53.5
168+00.00	168+62.45	131.2	14.3	111.5	36.6	112.2	12.2	24.6	21.9	86.9	-9.7	33.4
168+62.45	169+00.00	100.7	11.6	42.7	7.9	85.6	9.8	10.6	0.6	75.0	9.2	20.3
169+00.00	170+00.00	331.8	52.2	96.0	40.1	282.0	44.4	24.8	16.8	257.2	27.6	26.8
170+00.00	171+00.00	246.1	52.2	66.9	40.0	209.2	44.4	31.3	33.3	177.9	11.0	0.0
171+00.00	172+00.00	127.4	63.8	55.0	41.7	108.3	54.2	42.1	38.7	66.2	15.6	0.0
172+00.00	173+00.00	63.9	64.1	62.7	55.1	54.3	54.5	34.6	31.9	19.6	22.5	17.4
173+00.00	174+00.00	70.5	86.4	77.5	71.4	59.9	73.5	25.8	15.6	34.1	57.8	34.7
174+00.00	175+00.00	69.3	149.7	76.4	83.5	58.9	127.3	32.2	19.1	26.7	108.2	33.6
175+00.00	176+00.00	64.9	218.0	59.4	77.0	55.1	185.3	39.5	24.6	15.6	160.7	16.2
176+00.00	177+00.00	50.3	186.0	44.1	58.4	42.8	158.1	50.4	30.6	-7.7	127.5	0.0
177+00.00	178+00.00	31.8	82.8	52.2	56.5	27.0	70.4	146.1	82.4	-119.1	-12.0	0.0
178+00.00	178+50.00	10.9	14.3	32.3	29.8	9.3	12.2	164.0	106.7	-154.8	-94.5	0.0
178+50.00	179+00.00	7.8	10.6	33.6	30.5	6.7	9.1	183.6	123.6	-176.9	-114.5	0.0
179+00.00	180+00.00	17.0	71.2	56.0	60.1	14.5	60.5	188.6	132.3	-174.2	-71.8	0.0
180+00.00	181+00.00	38.8	75.6	41.3	42.1	33.0	64.3	33.9	61.1	-0.9	3.2	0.0
181+00.00	181+50.00	37.3	15.3	20.4	14.9	31.7	13.0	1.4	17.3	30.3	-4.3	0.0
181+50.00	182+00.00	22.5	6.5	11.8	8.9	19.2	5.5	2.0	17.0	17.2	-11.5	0.0
182+00.00	182+50.00	10.1	6.6	11.1	12.9	8.6	5.6	10.7	19.8	3.2	-14.2	0.0
182+50.00	183+00.00	21.6	12.3	21.3	25.3	18.4	10.5	17.9	29.3	7.7	-18.9	0.0
183+00.00	184+00.00	74.7	21.2	42.6	51.0	63.5	18.0	17.9	95.8	45.5	-77.8	0.0
184+00.00	185+00.00	84.2	39.1	43.6	52.7	71.6	33.3	17.1	65.1	54.5	-31.8	0.0
185+00.00	186+00.00	45.7	54.7	21.4	44.1	38.9	46.5	24.3	16.4	14.6	30.2	0.0
186+00.00	187+00.00	33.4	37.2	22.8	32.9	28.4	31.7	32.2	29.8	-3.8	1.8	0.0
187+00.00	188+00.00	29.8	20.8	47.1	34.7	25.3	17.7	45.6	84.7	-20.3	-67.0	0.0
188+00.00	189+00.00	18.4	14.9	55.0	40.7	15.7	12.7	114.1	80.4	-98.5	-67.6	0.0
189+00.00	190+00.00	13.6	30.0	64.0	40.5	11.6	25.5	199.5	31.0	-187.9	-5.6	0.0
190+00.00	191+00.00	13.1	47.3	71.4	60.3	11.1	40.2	179.7	41.6	-168.6	-1.4	23.9
191+00.00	192+00.00	23.2	30.9	77.6	83.9	19.7	26.3	107.9	55.8	-88.2	-29.5	44.4
192+00.00	193+00.00	22.2	19.5	69.4	94.0	18.8	16.6	68.7	54.4	-49.9	-37.8	38.9
193+00.00	194+00.00	18.4	24.4	65.2	99.1	15.6	20.7	71.3	76.1	-55.7	-55.3	37.9
194+00.00	195+00.00	20.0	25.9	68.7	84.3	17.0	22.0	86.1	86.5	-69.1	-64.5	39.1
195+00.00	196+00.00	21.1	26.6	69.7	70.0	17.9	22.6	92.8	85.4	-74.9	-62.8	41.1
196+00.00	197+00.00	22.4	23.2	74.8	71.7	19.0	19.7	104.5	104.9	-85.5	-85.2	45.8
197+00.00	198+00.00	17.1	18.6	59.2	56.6	14.5	15.8	114.9	130.3	-100.4	-114.5	24.2
198+00.00	199+00.00	18.6	17.4	20.7	35.5	15.8	14.8	75.2	125.0	-59.4	-110.2	0.0

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 STANKRJ

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

SCHEDULE OF QUANTITIES
4 OF 5

SCALE: N.T.S. DRAWN BY: MZD
DATE: 12/01/09 CHECKED BY: MCD

TENG
TENG & ASSOCIATES, INC.
ENGINEERS-ARCHITECTS-PLANNERS
205 N. MICHIGAN AVE., CHICAGO, IL 60601
TELEPHONE: 312/616-3000

SCHEDULE OF QUANTITIES EARTHWORK SCHEDULE

WALKUP ROAD STATION TO STATION	EARTH EXCAVATION		REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (TOPSOIL & UNDERCUT)		EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE)		EMBANKMENT		EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)		POROUS GRANULAR EMBANKMENT SUBGRADE		
	STAGE I CYD	STAGE II CYD	STAGE I CYD	STAGE II CYD	STAGE I CYD	STAGE II CYD	STAGE I CYD	STAGE II CYD	STAGE I CYD	STAGE II CYD	STAGE I CYD	STAGE II CYD	
199+00.00	200+00.00	23.9	20.2	37.3	39.0	20.3	17.2	29.8	59.1	-9.5	-41.9	27.4	26.4
200+00.00	201+00.00	20.5	23.4	76.8	60.5	17.5	19.9	40.7	29.1	-23.2	-9.2	52.5	45.0
201+00.00	202+00.00	43.8	30.0	84.6	76.2	37.3	25.5	42.8	59.9	-5.5	-34.4	50.5	43.2
202+00.00	203+00.00	67.1	22.4	66.2	48.5	57.0	19.1	36.2	45.7	20.8	-26.7	25.4	20.3
203+00.00	204+00.00	49.0	21.4	38.1	26.2	41.7	18.2	42.9	13.1	-1.2	5.1	0.0	0.0
204+00.00	205+00.00	31.4	52.6	31.7	25.5	26.6	44.7	45.8	4.9	-19.1	39.8	0.0	0.0
205+00.00	206+00.00	31.5	74.0	29.3	15.8	26.8	62.9	46.0	4.8	-19.2	58.1	0.0	0.0
206+00.00	207+00.00	44.5	56.2	31.7	14.2	37.8	47.8	44.9	6.8	-7.1	41.0	0.0	0.0
207+00.00	208+00.00	40.7	29.4	29.9	8.4	34.6	25.0	51.1	4.3	-16.5	20.7	0.0	0.0
208+00.00	209+00.00	30.1	14.7	30.9	2.7	25.6	12.5	42.5	4.9	-16.9	7.6	0.0	0.0
209+00.00	210+00.00	31.5	11.7	32.2	10.3	26.7	9.9	30.1	22.0	-3.3	-12.0	0.0	0.0
210+00.00	211+00.00	22.4	28.9	24.9	36.3	19.0	24.6	39.4	100.7	-20.3	-76.1	0.0	0.0
211+00.00	212+00.00	10.4	47.3	16.6	58.1	8.8	40.2	31.5	117.1	-22.7	-76.9	0.0	0.0
212+00.00	213+00.00	5.9	31.8	9.8	52.7	5.0	27.0	16.5	72.1	-11.5	-45.0	0.0	0.0
213+00.00	214+00.00	11.1	10.5	10.8	45.3	9.5	8.9	22.0	103.1	-12.5	-94.2	0.0	0.0
214+00.00	215+00.00	11.1	12.3	11.1	40.8	9.4	10.4	25.0	102.2	-15.6	-91.8	0.0	0.0
215+00.00	216+00.00	23.2	18.8	8.1	28.1	19.8	16.0	14.6	54.3	5.2	-38.3	0.0	0.0
216+00.00	217+00.00	20.5	39.8	3.6	27.0	17.5	33.8	3.9	33.5	13.5	0.3	0.0	0.0
217+00.00	218+00.00	2.6	52.1	7.1	38.5	2.2	44.3	5.9	42.8	-3.6	1.5	0.0	0.0
218+00.00	219+00.00	5.3	40.4	9.6	39.1	4.5	34.3	11.0	52.1	-6.5	-17.8	0.0	0.0
219+00.00	220+00.00	5.5	27.8	3.7	42.6	4.7	23.7	8.6	63.8	-3.9	-40.2	0.0	0.0
220+00.00	221+00.00	5.6	28.6	11.7	69.3	4.8	24.3	6.5	62.2	-1.7	-37.9	8.6	23.0
221+00.00	222+00.00	8.3	27.1	27.4	73.0	7.0	23.0	11.9	32.7	-4.8	-9.7	17.1	44.4
222+00.00	223+00.00	14.0	25.1	44.3	57.1	11.9	21.4	50.4	24.3	-38.5	-2.9	22.7	45.4
223+00.00	224+00.00	17.8	45.8	42.3	45.7	15.2	38.9	81.7	33.6	-66.6	5.2	14.1	24.0
224+00.00	225+00.00	18.3	56.8	31.5	32.9	15.5	48.3	83.5	38.1	-68.0	10.2	0.0	0.0
225+00.00	226+00.00	13.6	32.9	16.7	16.3	11.6	27.9	43.7	20.7	-32.1	7.3	0.0	0.0
226+00.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STAGE TOTALS		8663.6	4091.4	7712.3	4881.5	7364.0	3477.7	10802.3	5612.1	-3438.3	-2134.4	1309.8	1560.1
TOTALS			12755.0		12593.8		10841.7		16414.4		-5572.7		2869.9
ADJUSTMENTS (SEE NOTE 1)			0		347.0		0		137.0		-137.0		347.0
CONTRACT TOTALS			12755.0		12940.8		10841.7		16551.4		-5709.7		3216.9

NOTE:

1. THE CALCULATED QUANTITIES FOR REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL AND POROUS GRANULAR EMBANKMENT, SUBGRADE HAVE BEEN INCREASED TO ALLOW FOR A 12" UNDERCUT OVER 5% OF THE NEW PAVEMENT AREAS TO ACCOUNT FOR LOCALIZED AREAS OF FROST-SUSCEPTIBLE SOILS AND VARIATIONS IN FIELD CONDITIONS.

EMBANKMENT ADJUSTED TO ALLOW FOR ANTICIPATED 4" SETTLEMENT FROM STA. 114+00 TO STA. 122+00.

ESTIMATED UNDERCUT

LOCATION	FR STA	TO STA	DEPTH
WALKUP	133+50	136+50	18"
WALKUP	145+50	148+50	12"
WALKUP	148+50	151+50	12"
WALKUP	157+50	160+50	12"
WALKUP	166+50	169+50	18"
WALKUP	172+50	175+50	12"

LOCATION	FR STA	TO STA	DEPTH
WALKUP	190+50	193+50	12"
WALKUP	194+00	197+00	12"
WALKUP	199+50	202+50	18"
WALKUP	220+50	223+50	18"

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

SCHEDULE OF QUANTITIES 5 OF 5

SCALE: N.T.S. DRAWN BY: MZD

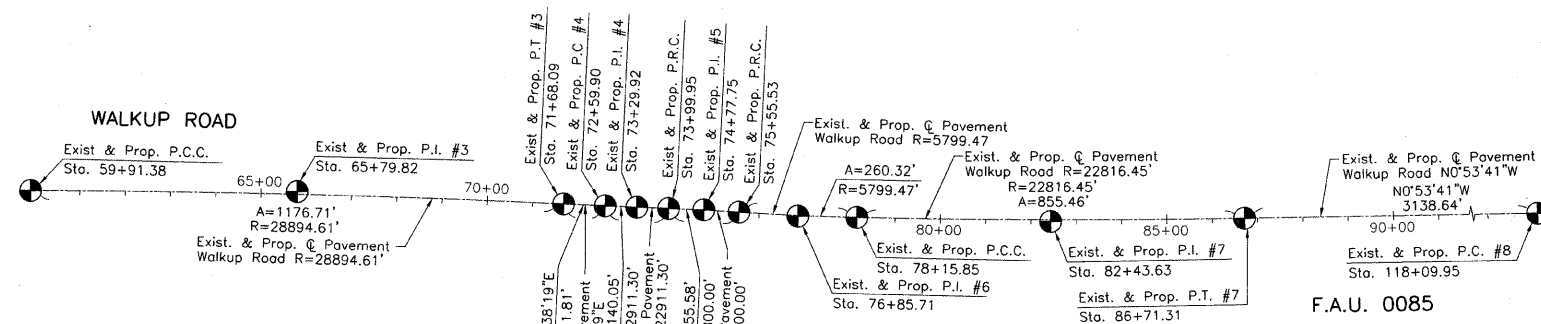
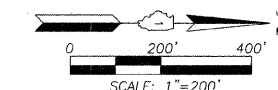
DATE: 12/01/09 CHECKED BY: MCD

TENG

TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
209 N. MICHIGAN AVE., CHICAGO, IL 60601
TELEPHONE: 312/616-5000

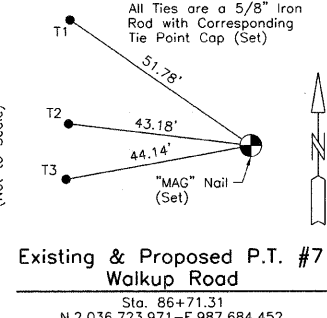
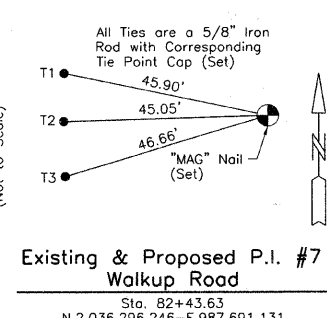
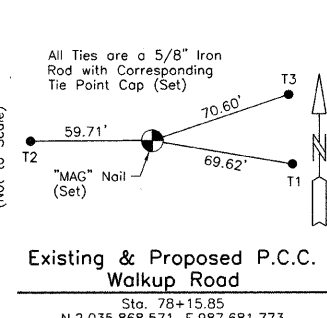
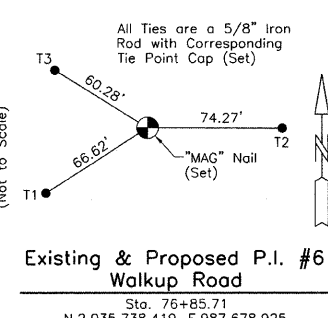
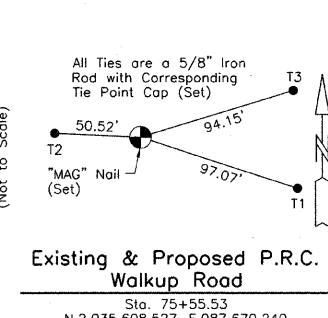
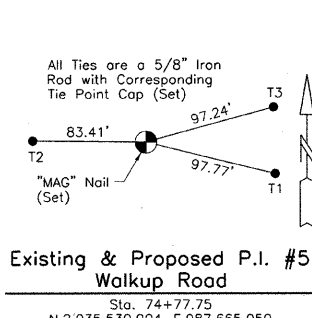
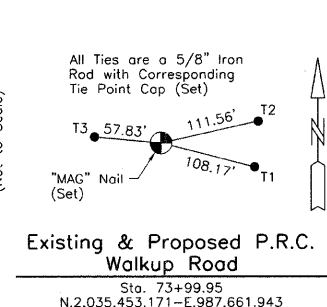
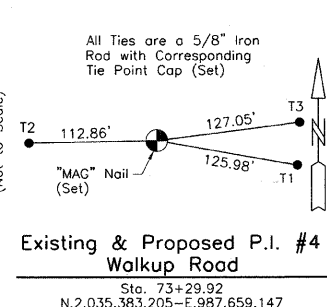
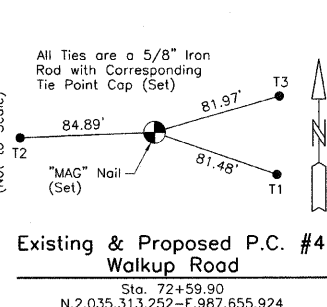
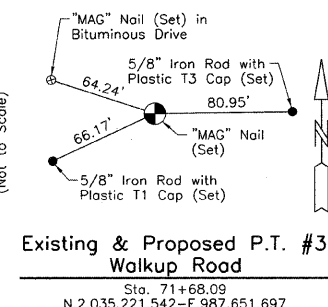
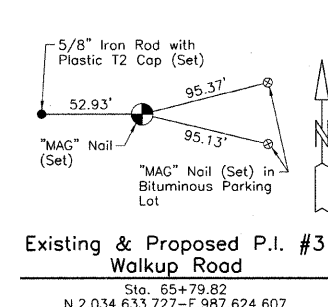
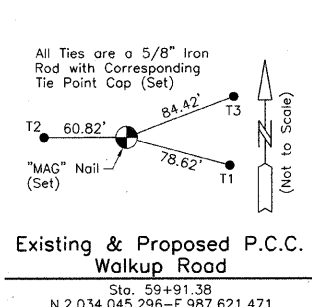
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	21
STA. 59+91.38		TO STA. 118+09.95		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		
CONTRACT NO: 63266				



SEE SHEET 22

F.A.U. 0085



Existing & Proposed Pavement Walkup Road Curve #3

P.I.	= Sta. 65+79.82
Δ	= 2'20"00"
R	= 28894.61'
T	= 588.44'
L	= 1176.71'
E	= 5.99'
P.C.C.	= Sta. 59+91.38
P.T.	= Sta. 71+68.09

Existing & Proposed Pavement Walkup Road Curve #4

P.I.	= Sta. 73+29.92
Δ	= 0'21"01"
R	= 22911.30'
T	= 70.02'
L	= 140.05'
E	= 0.11'
P.C.	= Sta. 72+59.90
P.R.C.	= Sta. 73+99.95

Existing & Proposed Pavement Walkup Road Curve #5

P.I.	= Sta. 74+77.75
Δ	= 1'32"13"
R	= 5800.00'
T	= 77.80'
L	= 155.58'
E	= 0.52'
P.R.C.	= Sta. 73+99.95
P.R.C.	= Sta. 75+55.53

Existing & Proposed Pavement Walkup Road Curve #6

P.I.	= Sta. 76+85.71
Δ	= 2'34"19"
R	= 5799.47'
T	= 130.18'
L	= 260.32'
E	= 1.46'
P.R.C.	= Sta. 75+55.53
P.C.C.	= Sta. 78+15.85

Existing & Proposed Pavement Walkup Road Curve #7

P.I.	= Sta. 82+43.63
Δ	= 2'08"54"
R	= 22816.45'
T	= 427.78'
L	= 855.46'
E	= 4.01'
P.C.C.	= Sta. 78+15.85
P.T.	= Sta. 86+71.31



Christian H. Jorgensen 7/14/09
PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

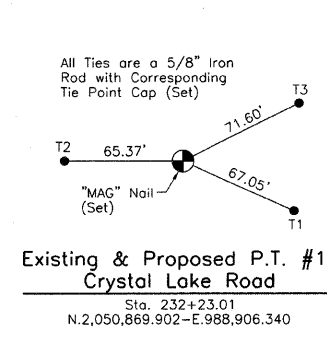
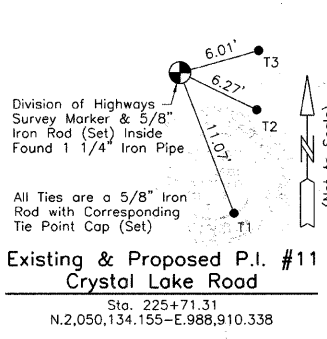
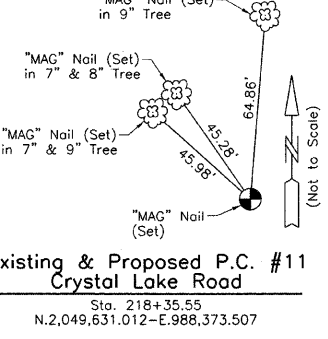
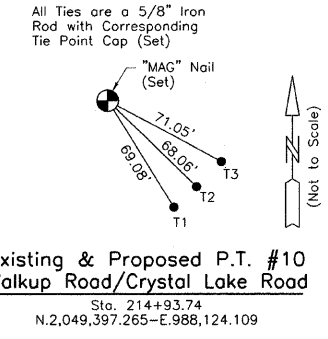
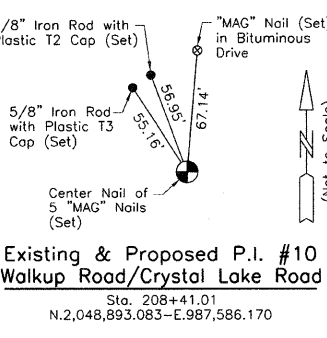
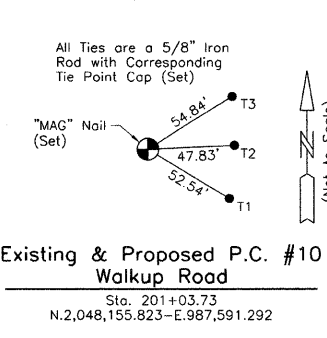
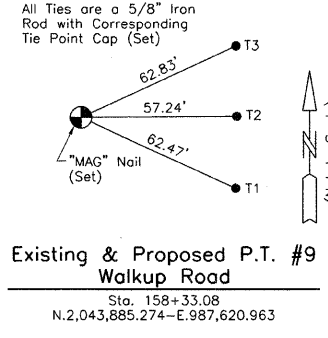
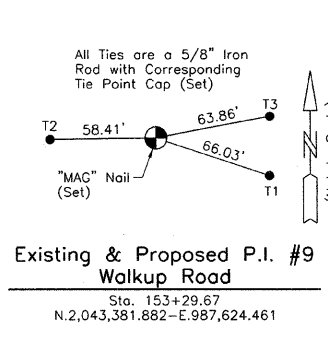
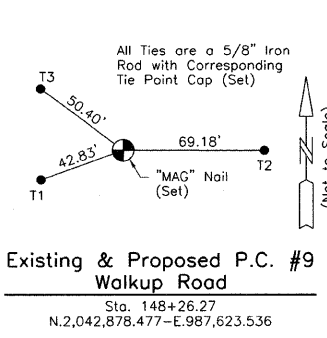
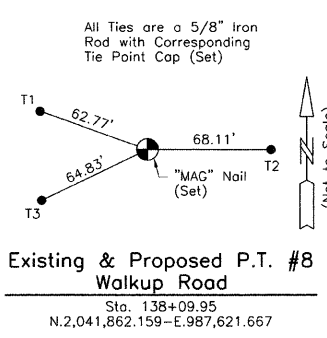
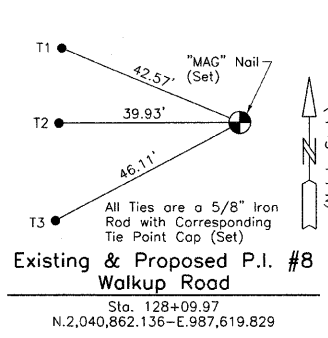
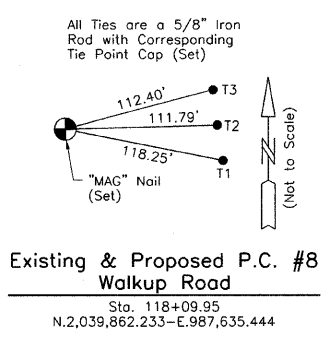
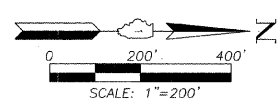
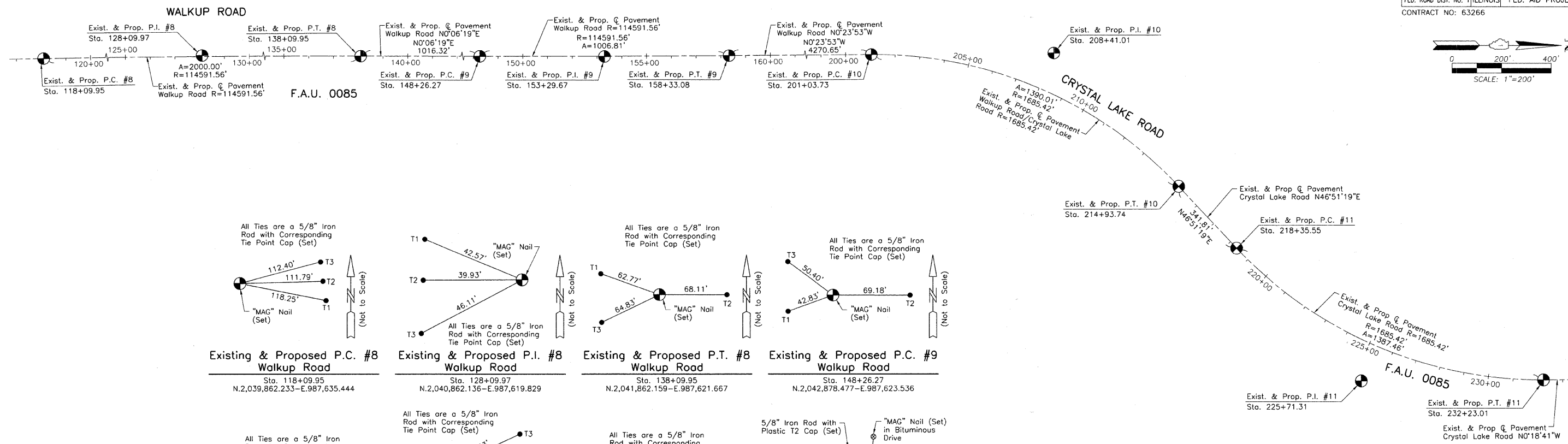
ALIGNMENT AND TIES

REVISIONS	
NAME	DATE

SCALE: 1"=200'
DATE: July 14, 2009
DRAWN BY: KLK
CHECKED BY: CHJ
JORGENSEN & ASSOCIATES, INC. 120 PARK AVENUE
(847) 356-3371 LAKE VILLA, ILLINOIS 60046

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	22
STA. 117+00 TO STA. 233+00		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
CONTRACT NO: 63266				

SEE SHEET 21



Existing & Proposed C Pavement Walkup Road Curve #8

P.I.	= Sta. 128+09.97
Δ	= 1'00'00"
R	= 114591.56'
T	= 1000.02'
L	= 2000.00'
E	= 4.36'
P.C.	= Sta. 118+09.95
P.T.	= Sta. 138+09.95

Existing & Proposed C Pavement Walkup Road Curve #9

P.I.	= Sta. 153+29.67
Δ	= 0'30'12"
R	= 114591.56'
T	= 503.40'
L	= 1006.81'
E	= 1.11'
P.C.	= Sta. 148+26.27
P.T.	= Sta. 158+33.08

Existing & Proposed C Pavement Walkup Road/Crystal Lake Road Curve #10

P.I.	= Sta. 208+41.01
Δ	= 47'15'12"
R	= 1685.42'
T	= 737.28'
L	= 1390.01'
E	= 154.20'
P.C.	= Sta. 201+03.73
P.T.	= Sta. 214+93.74

Existing & Proposed C Pavement Crystal Lake Road Curve #11

P.I.	= Sta. 225+71.31
Δ	= 47'10'00"
R	= 1685.42'
T	= 735.76'
L	= 1387.46'
E	= 153.60'
P.C.	= Sta. 218+35.55
P.T.	= Sta. 232+23.01



Christian H. Jorgensen 7/14/09
PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

ALIGNMENT AND TIES

SCALE: 1"=200' DRAWN BY: KLK
DATE: July 14, 2009 CHECKED BY: CHJ

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-PP	MCHENRY	236	23
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
CONTRACT NO: 63266				

BENCHMARKS AND DESCRIPTIONS

TBM "101" ELEV. 922.31
TOP OF NORTHEAST FLANGE BOLT OF FIRE HYDRANT
LOCATED AT THE NORTHWEST CORNER OF WALKUP ROAD
AND TERRA COTTA AVENUE NEAR STA. 50+45.

TBM "K" ELEV. 928.06
TOP OF SOUTHEAST FLANGE BOLT OF FIRE HYDRANT
LOCATED AT THE CHURCH OF JESUS CHRIST OF LATTER
DAY SAINTS NEAR STA. 72+30.

TBM "L" ELEV. 929.44
TOP OF NORTHWEST FLANGE BOLT OF FIRE HYDRANT
LOCATED AT THE SOUTHEAST CORNER OF WALKUP ROAD
AND BURNING BUSH TRAIL NEAR STA. 80+40.

TBM "M" ELEV. 933.06
TOP OF SOUTHEAST FLANGE BOLT OF FIRE HYDRANT
LOCATED AT THE NORTHWEST CORNER OF WALKUP ROAD
AND WALKUP LANE NEAR STA. 91+20.

TBM "O" ELEV. 918.01
TOP OF SOUTHEAST FLANGE BOLT OF FIRE HYDRANT
LOCATED AT THE SOUTHWEST CORNER OF WALKUP ROAD
AND HILLSIDE ROAD NEAR STA. 102+50.

TBM "IS" ELEV. 845.57
TOP OF R.R. SPIKE IN THE WEST FACE OF POWER POLE
LOCATED NEAR THE NORTHEAST CORNER OF WALKUP ROAD
AND LIVE OAK ROAD NEAR STA. 135+25.

TBM "104" ELEV. 883.48
TOP OF R.R. SPIKE IN THE EAST FACE OF POWER POLE
LOCATED AT THE NORTHWEST CORNER OF WALKUP ROAD
AND DEERWOOD DRIVE NEAR STA. 152+20.

TBM "103" ELEV. 882.78
TOP OF R.R. SPIKE IN THE EAST FACE OF POWER POLE
LOCATED ALONG WEST SIDE OF WALKUP ROAD AND SOUTH
OF BERRY COURT NEAR STA. 180+70.

TBM "46" ELEV. 877.11
TOP OF PK NAIL IN WEST SHOULDER OF WALKUP ROAD
NORTH OF RUNNING IRON DRIVE NEAR STA. 191+20.

TBM "102" ELEV. 883.13
TOP OF R.R. SPIKE IN THE EAST FACE OF POWER POLE
LOCATED ON WEST SIDE OF WALKUP ROAD +/-400 FEET
SOUTH OF CRYSTAL SPRINGS ROAD NEAR STA. 204+45.

TBM "50" ELEV. 843.30
TOP OF PK NAIL IN THE WEST FACE OF POWER POLE
LOCATED ON EAST SIDE OF WALKUP ROAD +/-150 FEET
NORTH OF ANVIL DRIVE NEAR STA. 230+00.

TBM "53" ELEV. 844.54
TOP OF PK NAIL IN THE EAST FACE OF POWER POLE
LOCATED ON WEST SIDE OF WALKUP ROAD +/-460 FEET
SOUTH OF RAINTREE DRIVE NEAR STA. 244+60.

TBM "100" ELEV. 796.38
TOP OF R.R. SPIKE IN THE WEST FACE OF POWER POLE
ON THE EASTERLY SIDE OF WALKUP ROAD. 4-TH POWER
POLE SOUTHERLY FROM CUNAT DRIVE NEAR STA. 310+20.

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

BENCHMARKS & DESCRIPTIONS

SCALE: N.T.S. DRAWN BY: MZD
DATE: 08/17/09 CHECKED BY: MCD

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
205 N. MICHIGAN AVE. CHICAGO, IL 60601
TELEPHONE: 312/416-0000

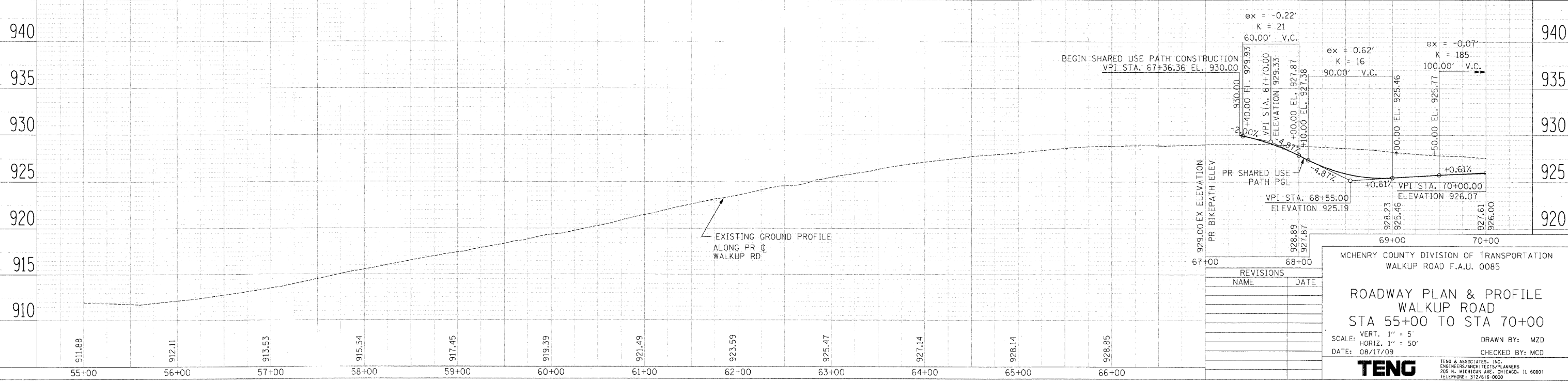
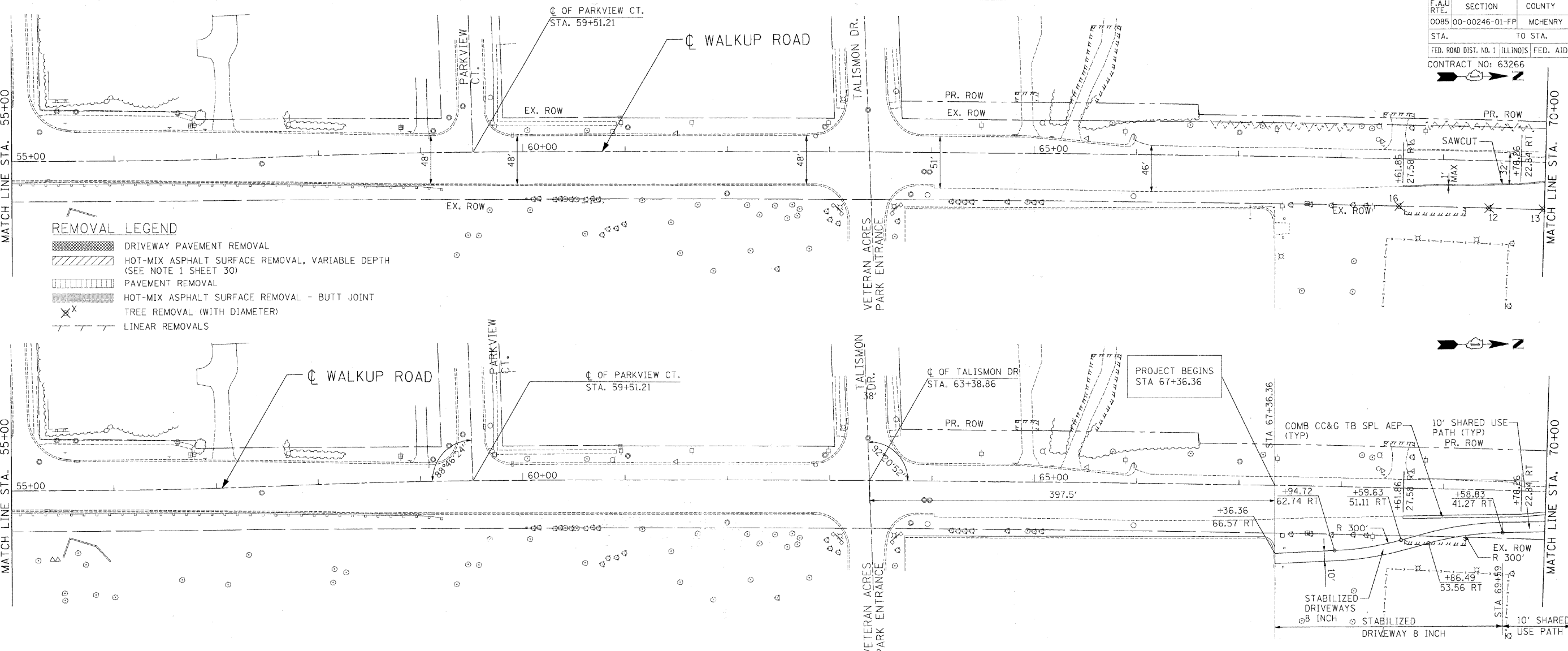
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	24
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO: 63266				

EXISTING PLAN

PROPOSED PLAN

- REMOVAL LEGEND**
- DRIVEWAY PAVEMENT REMOVAL
 - HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (SEE NOTE 1 SHEET 30)
 - PAVEMENT REMOVAL
 - HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
 - TREE REMOVAL (WITH DIAMETER)
 - LINEAR REMOVALS



REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

ROADWAY PLAN & PROFILE
WALKUP ROAD
STA 55+00 TO STA 70+00

SCALE: VERT. 1" = 5'
HORIZ. 1" = 50'

DATE: 08/17/09

DRAWN BY: MZD
CHECKED BY: MCD

TENG

TENG & ASSOCIATES, INC.
ENGINEERS ARCHITECTS PLANNERS
205 N. MICHIGAN AVE., CHICAGO, IL 60601
TELEPHONE: 312/616-0000

DATE: _____ BY: _____

PLAN NO. _____

PROF. FILE: SURVEYED _____ GRADES CHECKED _____ NOTATIONS CHECKED _____

NOTE BOOK NO. _____

DATE: _____ BY: _____

PLAN NO. _____

PROF. FILE: SURVEYED _____ GRADES CHECKED _____ NOTATIONS CHECKED _____

NOTE BOOK NO. _____

DATE: _____ BY: _____

PLAN NO. _____

PROF. FILE: SURVEYED _____ GRADES CHECKED _____ NOTATIONS CHECKED _____

NOTE BOOK NO. _____

DATE: _____ BY: _____

PLAN NO. _____

PROF. FILE: SURVEYED _____ GRADES CHECKED _____ NOTATIONS CHECKED _____

NOTE BOOK NO. _____

DATE: _____ BY: _____

PLAN NO. _____

PROF. FILE: SURVEYED _____ GRADES CHECKED _____ NOTATIONS CHECKED _____

NOTE BOOK NO. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085 00-00246-01-FP	MCHENRY	ILLINOIS	236	27
STA. 100+00 TO STA. 115+00		CONTRACT NO: 63266		

DATE: _____ BY: _____

PLAN SURVEYED, PLOTTED, CHECKED, NOTE BOOK, NO. _____

DATE: _____ BY: _____

PROFILE SURVEYED, PLOTTED, CHECKED, NOTE BOOK, NO. _____

DATE: _____ BY: _____

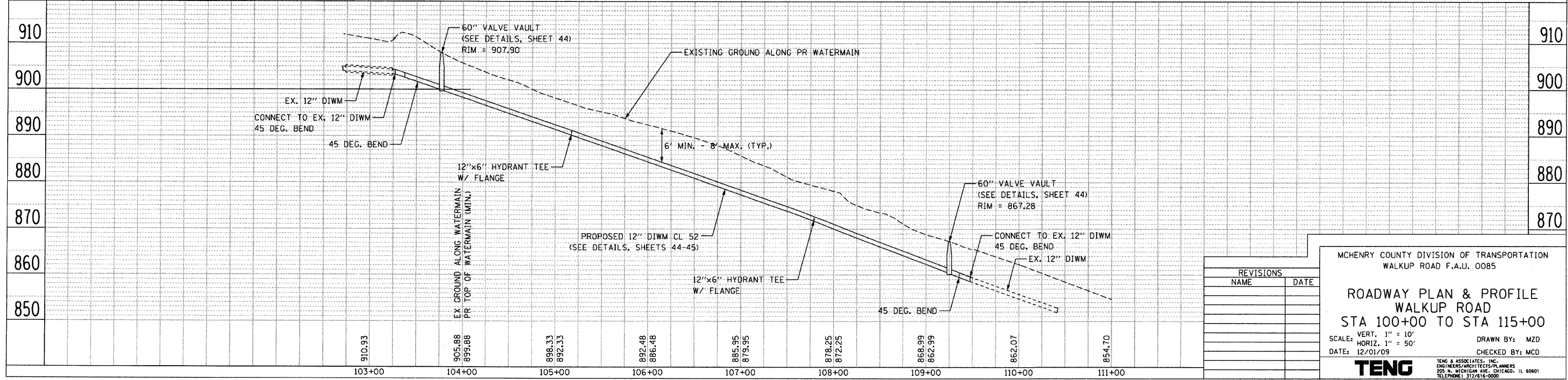
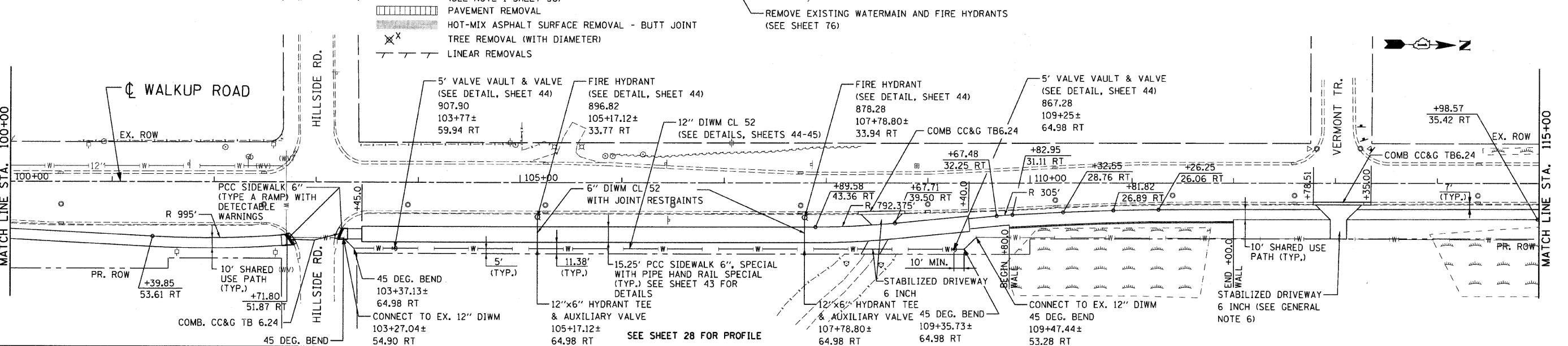
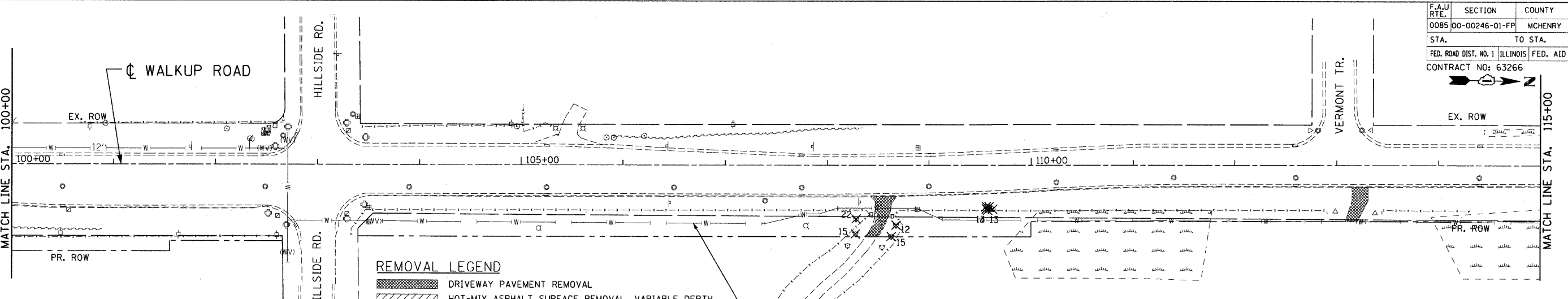
DATE: _____ BY: _____

DATE: _____ BY: _____

DATE: _____ BY: _____

EXISTING PLAN

PROPOSED PLAN



REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

ROADWAY PLAN & PROFILE WALKUP ROAD STA 100+00 TO STA 115+00

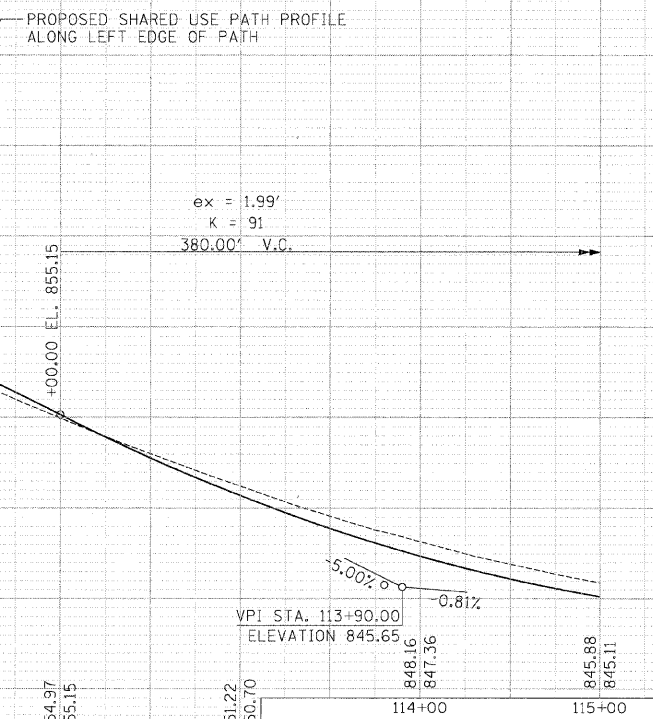
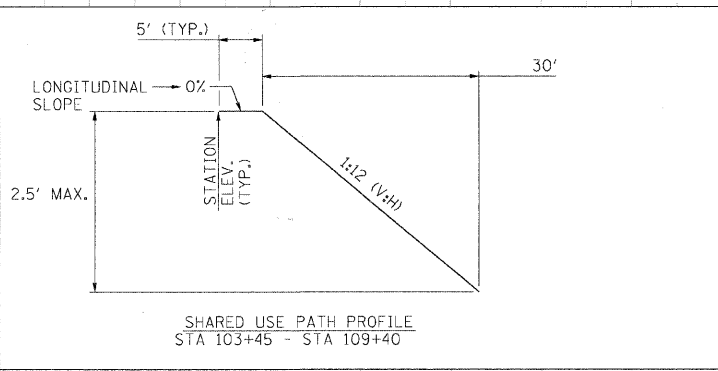
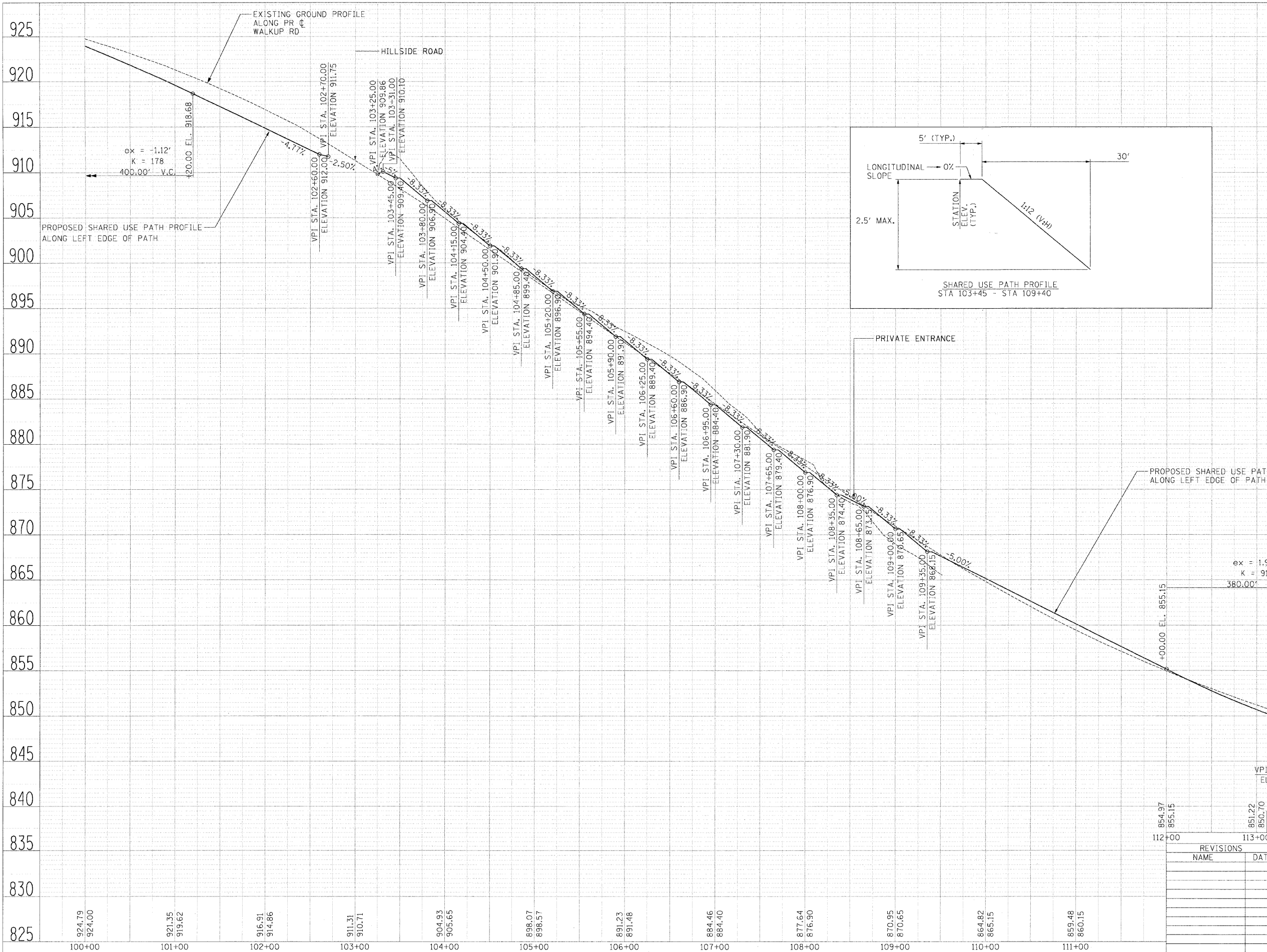
SCALE: VERT. 1" = 10'
HORIZ. 1" = 50'

DATE: 12/01/09

DRAWN BY: MZD
CHECKED BY: MCD

TENG

TENG & ASSOCIATES, INC.
ENGINEERS ARCHITECTS PLANNERS
505 N. MICHIGAN AVE., CHICAGO, IL 60601
TELEPHONE: 312/616-0000



REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

ROADWAY PROFILE

WALKUP ROAD

STA 100+00 TO STA 115+00

SCALE: VERT. 1" = 5'
HORIZ. DATE: 08/17/09

DRAWN BY: RJS
CHECKED BY: MCD

TENG

TENG & ASSOCIATES, INC.
ENGINEERS-ARCHITECTS-PLANNERS
205 N. MICHIGAN AVE., CHICAGO, IL 60601
TELEPHONE: 312/461-9000

PLAN	DATE

PROFILE	DATE

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	29
STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
		CONTRACT NO: 63266		

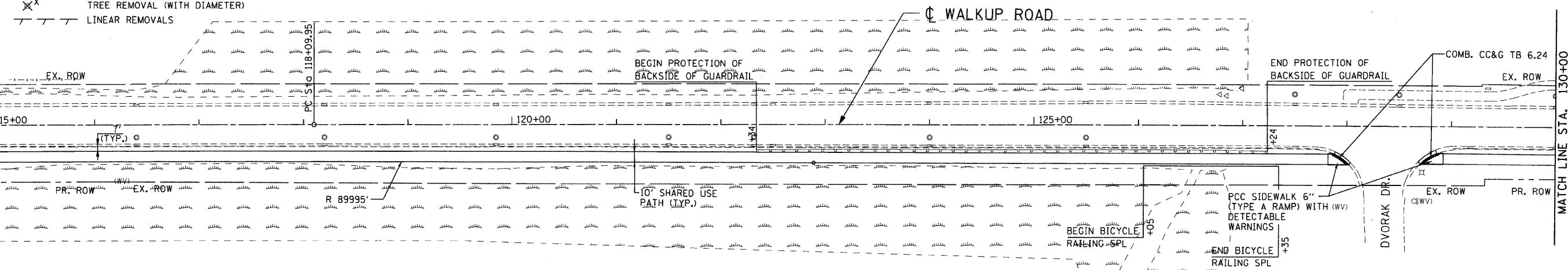
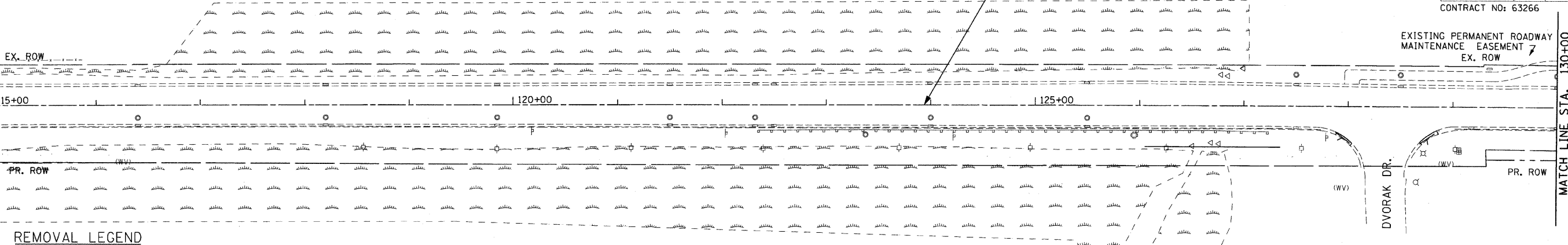
PLAN	DATE	BY
SURVEYED		
ALIGNED		
CHECKED		
NO. OF WAY CHECKED		
NO. OF FILE NAME		

PROFILE	DATE	BY
SURVEYED		
GRADES CHECKED		
STATIONING		
NOTATIONS		
NO.		

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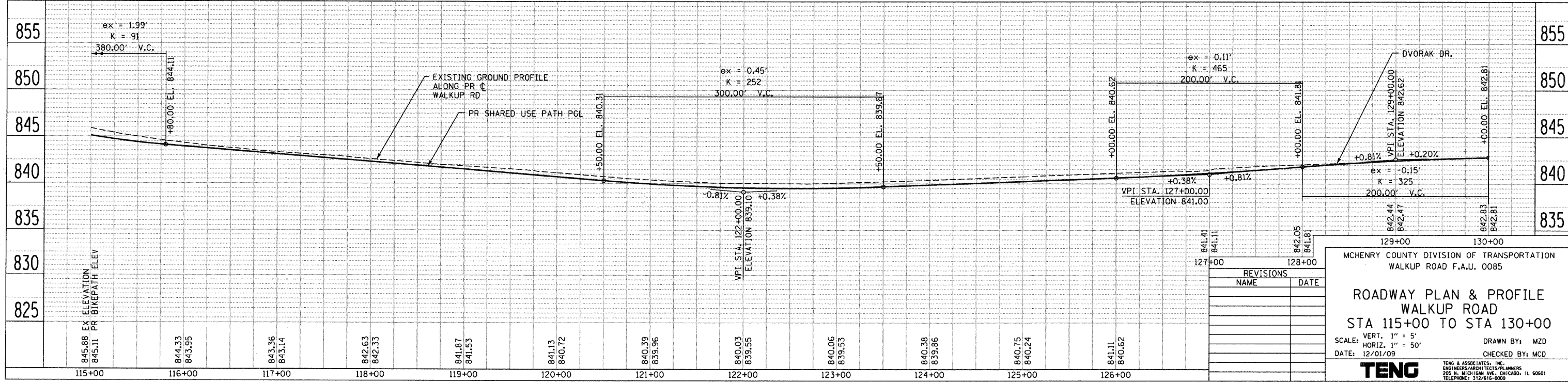
EXISTING PLAN
MATCH LINE STA. 115+00

PROPOSED PLAN
MATCH LINE STA. 115+00



REMOVAL LEGEND

	DRIVEWAY PAVEMENT REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (SEE NOTE 1 SHEET 30)
	PAVEMENT REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	TREE REMOVAL (WITH DIAMETER)
	LINEAR REMOVALS



REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

ROADWAY PLAN & PROFILE
WALKUP ROAD
STA 115+00 TO STA 130+00

SCALE: VERT. 1" = 5'
HORIZ. 1" = 50'

DATE: 12/01/09

DRAWN BY: MZD
CHECKED BY: MCD

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
229 N. MICHIGAN AVE., CHICAGO, IL 60601
TELEPHONE: 312/616-0000

PLAN	SURVEYED	DATE
BY		
NO.		
DATE		

PROFILE	SURVEYED	DATE
BY		
NO.		
DATE		

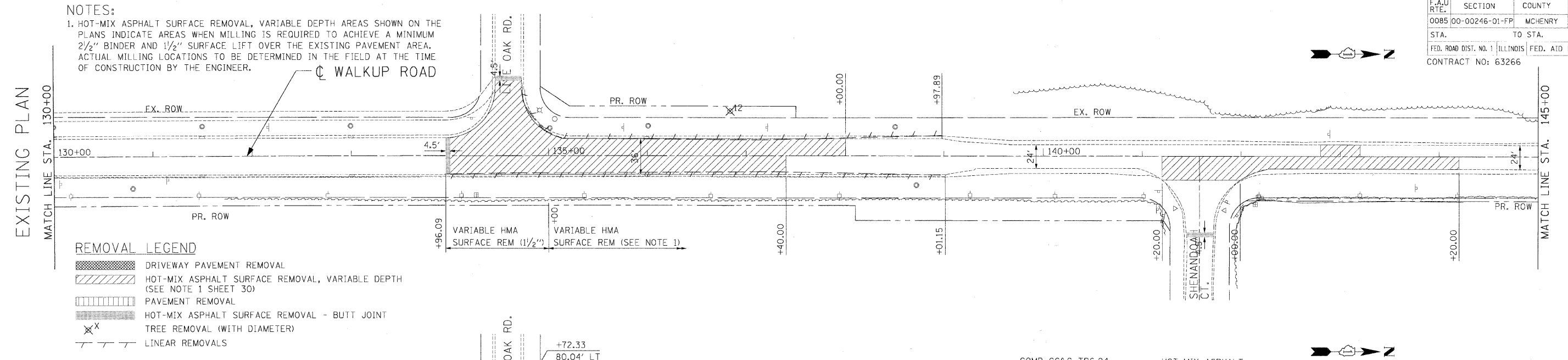
PROJECT: ROADWAY PLAN & PROFILE
 WALKUP ROAD
 STA. 130+00 TO STA. 145+00
 DATE: 08/17/09
 DRAWN BY: MZD
 CHECKED BY: MCD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	30

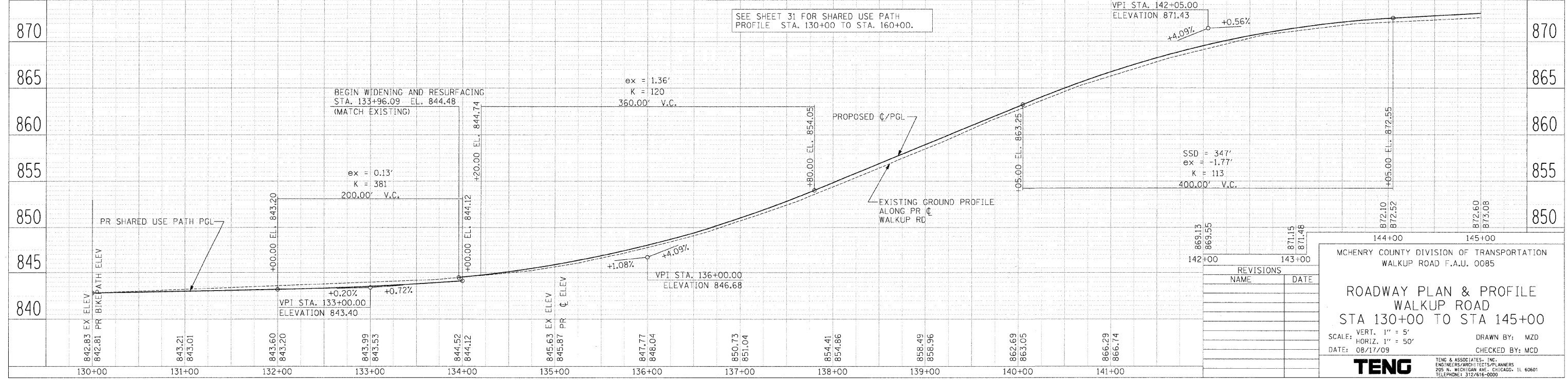
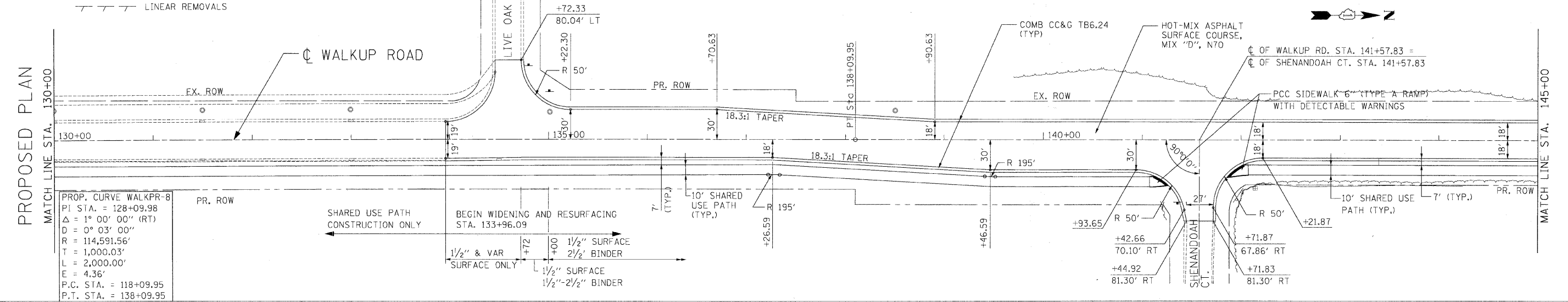
STA. _____ TO STA. _____
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
 CONTRACT NO: 63266

NOTES:
 1. HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH AREAS SHOWN ON THE PLANS INDICATE AREAS WHEN MILLING IS REQUIRED TO ACHIEVE A MINIMUM 2 1/2" BINDER AND 1 1/2" SURFACE LIFT OVER THE EXISTING PAVEMENT AREA. ACTUAL MILLING LOCATIONS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER.

EXISTING PLAN



PROPOSED PLAN



REVISIONS	
NAME	DATE

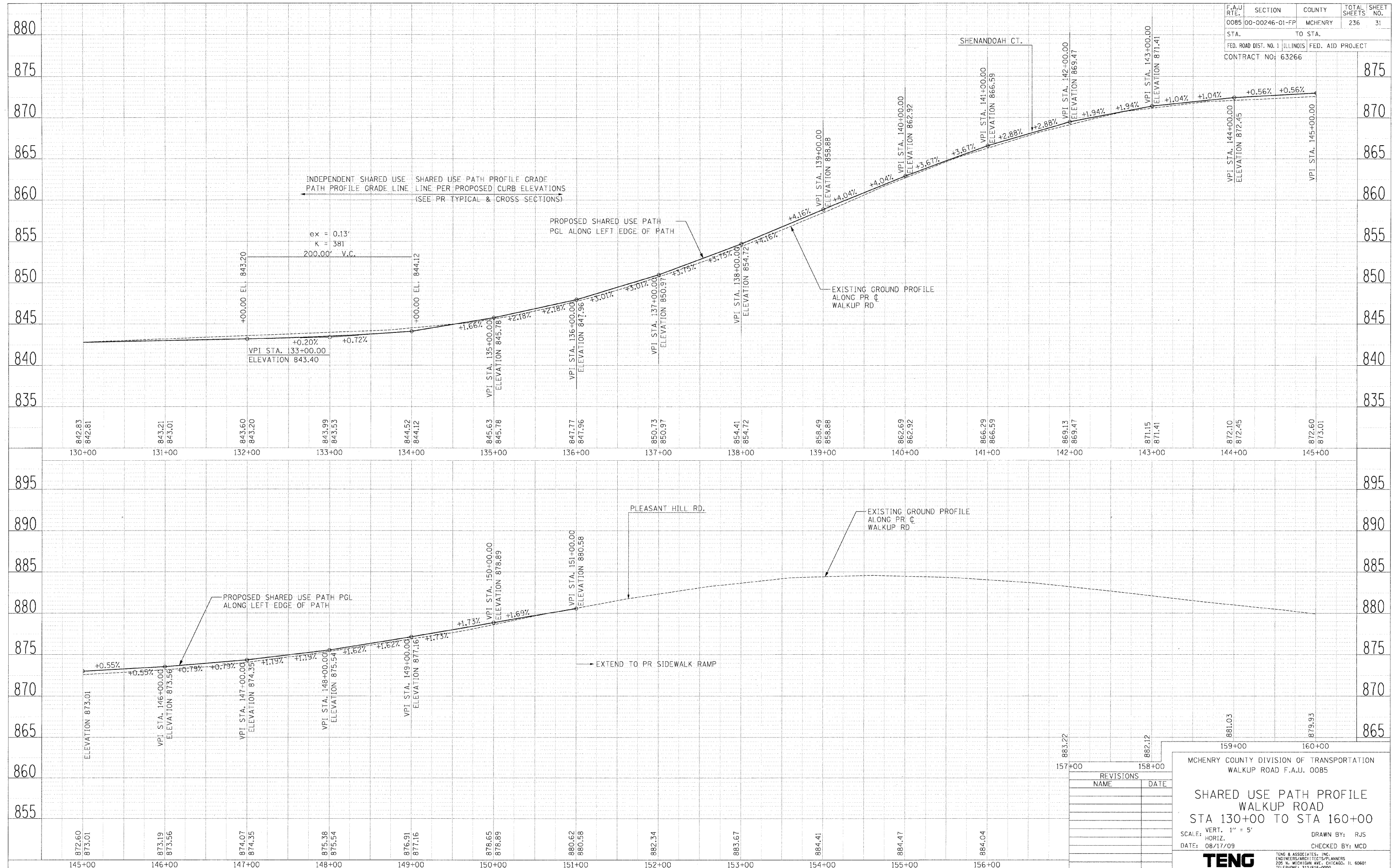
MCHENRY COUNTY DIVISION OF TRANSPORTATION
 WALKUP ROAD F.A.U. 0085

ROADWAY PLAN & PROFILE
 WALKUP ROAD
 STA 130+00 TO STA 145+00

SCALE: VERT. 1" = 5'
 HORIZ. 1" = 50'
 DATE: 08/17/09
 DRAWN BY: MZD
 CHECKED BY: MCD

TENG
 ENGINEERS/ARCHITECTS/PLANNERS
 205 N. MICHIGAN AVE., CHICAGO, IL 60601
 TELEPHONE: 312/616-8000

F.A.U. RITE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	31
STA.		TO STA.		
FED. ROAD DIST. No. 1		ILLINOIS		
CONTRACT NO: 63266		FED. AID PROJECT		



PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	FILE NAME	

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REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
 WALKUP ROAD F.A.U. 0085

**SHARED USE PATH PROFILE
 WALKUP ROAD
 STA 130+00 TO STA 160+00**

SCALE: VERT. 1" = 5'
 HORIZ. 1" = 40'

DATE: 08/17/09

DRAWN BY: RJS
 CHECKED BY: MCD

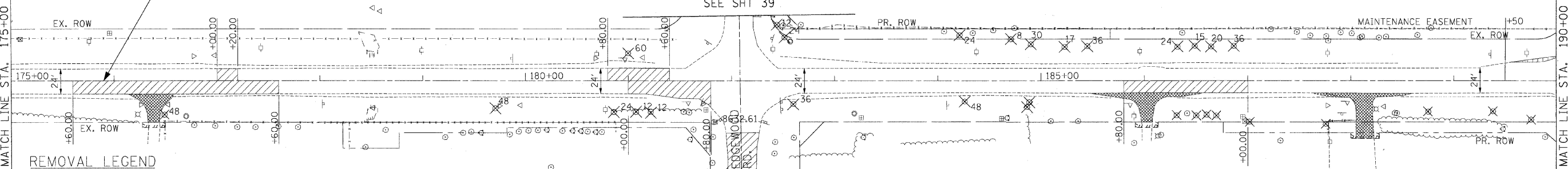
TENG
 TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 205 N. MICHIGAN AVE. CHICAGO, IL 60601
 TELEPHONE: 312/616-0000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	34
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO: 63266				

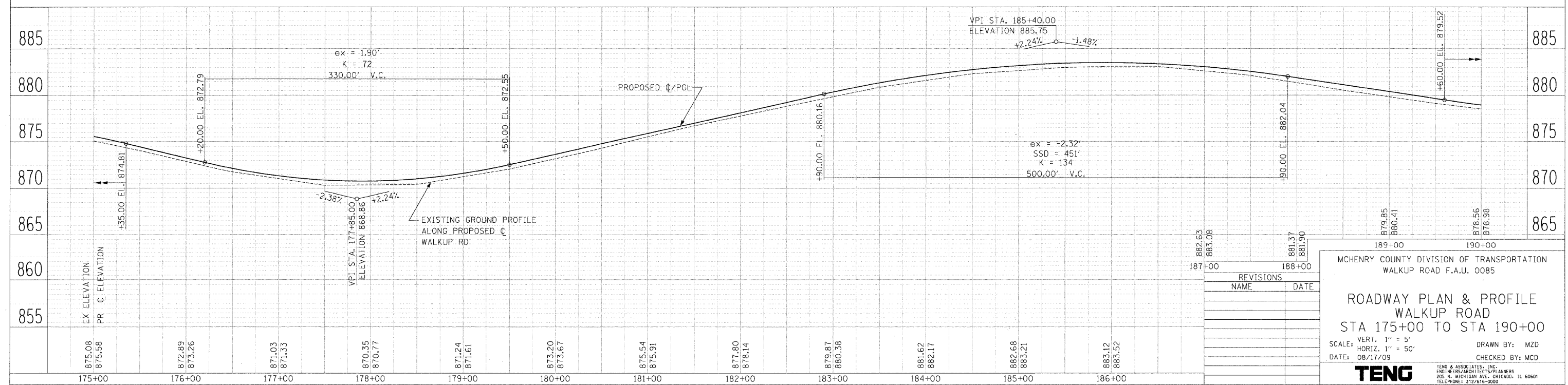
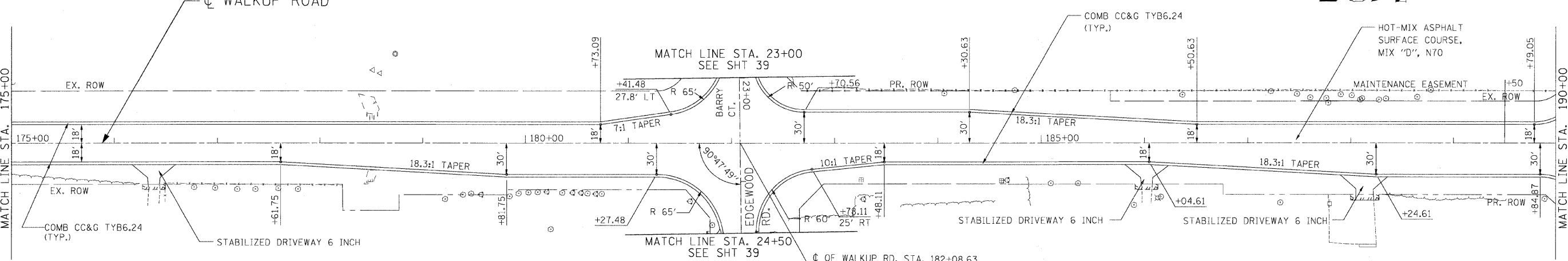


EXISTING PLAN

PROPOSED PLAN



- REMOVAL LEGEND**
- DRIVEWAY PAVEMENT REMOVAL
 - HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (SEE NOTE 1 SHEET 30)
 - PAVEMENT REMOVAL
 - HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
 - TREE REMOVAL (WITH DIAMETER)
 - LINEAR REMOVALS



MCHENRY COUNTY DIVISION OF TRANSPORTATION WALKUP ROAD F.A.U. 0085	
ROADWAY PLAN & PROFILE WALKUP ROAD STA 175+00 TO STA 190+00	
SCALE: VERT. 1" = 5' HORIZ. 1" = 50'	DRAWN BY: MZD CHECKED BY: MCD
TENG	
TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/SURVEYORS 205 N. MICHIGAN AVE., CHICAGO, IL 60601 TELEPHONE: 312/616-0500	

PLAN	SURVEYED	DATE
NOTED	PLotted	
NOTE BOOK	CHECKED	
NO.	BY	
	DATE	

PROFILE	SURVEYED	DATE
NOTED	PLotted	
NOTE BOOK	CHECKED	
NO.	BY	
	DATE	

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EXISTING PLAN

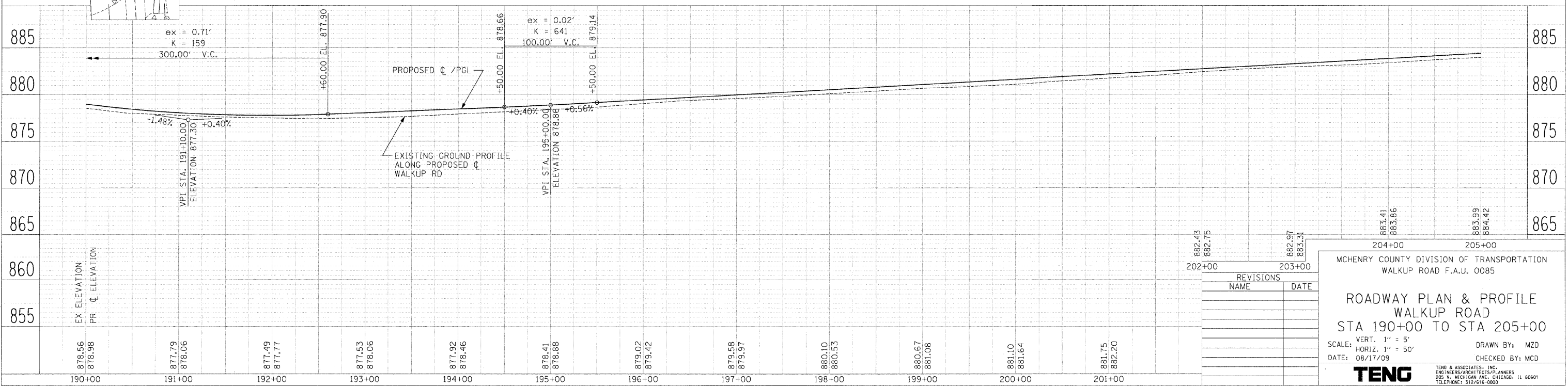
PROPOSED PLAN

REMOVAL LEGEND

- DRIVEWAY PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (SEE NOTE 1 SHEET 30)
- PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- TREE REMOVAL (WITH DIAMETER)
- LINEAR REMOVALS

PROP. CURVE WALKPR-10
 PI STA. = 208+41.01 e = 0.032
 Δ = 47° 15' 12" (RT) T.R. = 55.5
 D = 3° 23' 58" S.E. RUN = 88.8
 R = 1,685.42'
 T = 737.28'
 L = 1,390.01'
 E = 154.20'
 P.C. STA. = 201+03.73
 P.T. STA. = 214+93.74

START TRANS (NORMAL CROWN) = STA. 199+89.00
 END TRANS (FULL SE -3.2%) = STA. 201+34.00
 START TRANS (FULL SE -3.2%) = STA. 214+64.00
 END TRANS (NORMAL CROWN) = STA. 216+09.00



REVISIONS

NO.	NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
 WALKUP ROAD F.A.U. 0085

ROADWAY PLAN & PROFILE
 WALKUP ROAD
 STA 190+00 TO STA 205+00

SCALE: VERT. 1" = 5'
 HORIZ. 1" = 50'

DATE: 08/17/09 DRAWN BY: MZD
 CHECKED BY: MCD

TENG
 TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 205 N. MICHIGAN AVE., CHICAGO, IL 60601
 TELEPHONE: 312.676-0000

PLAN

NO.	DATE	BY	REVISION

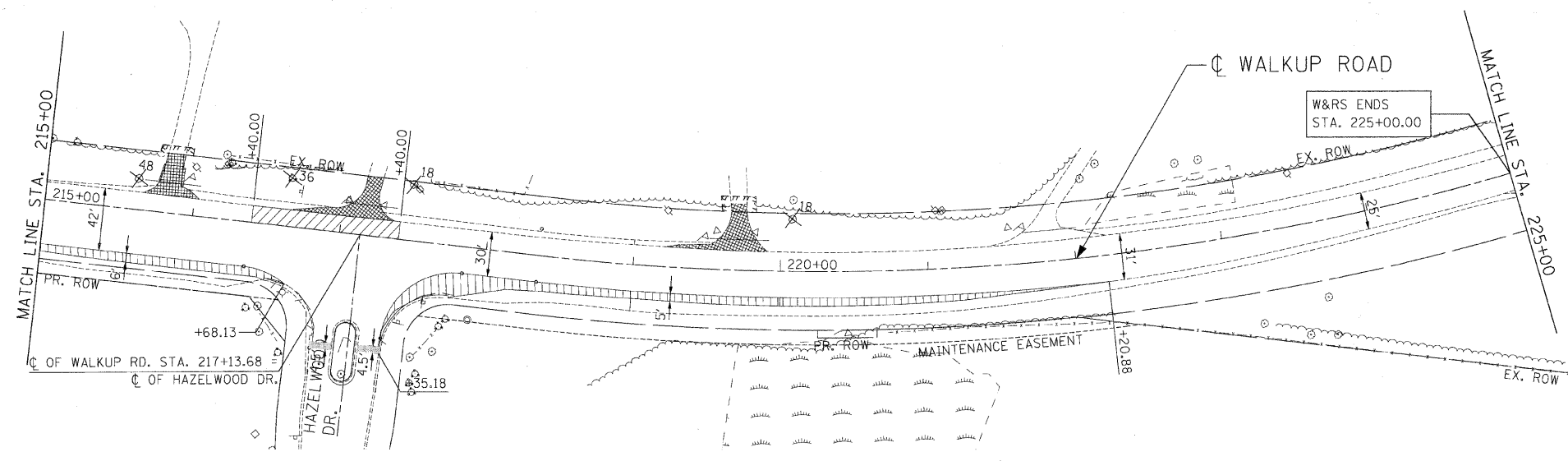
PROFILE

NO.	DATE	BY	REVISION

PROJECT: WALKUP RD. STA 190+00 TO STA 205+00
 DRAWN BY: MZD
 CHECKED BY: MCD
 DATE: 08/17/09
 TENG & ASSOCIATES, INC.
 205 N. MICHIGAN AVE., CHICAGO, IL 60601
 TEL: 312.676.0000

F.A.U. SECTION COUNTY TOTAL SHEETS SHEET NO.	0085 00-00246-01-FP MCHENRY 236 37
STA. TO STA.	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
CONTRACT NO: 63266	

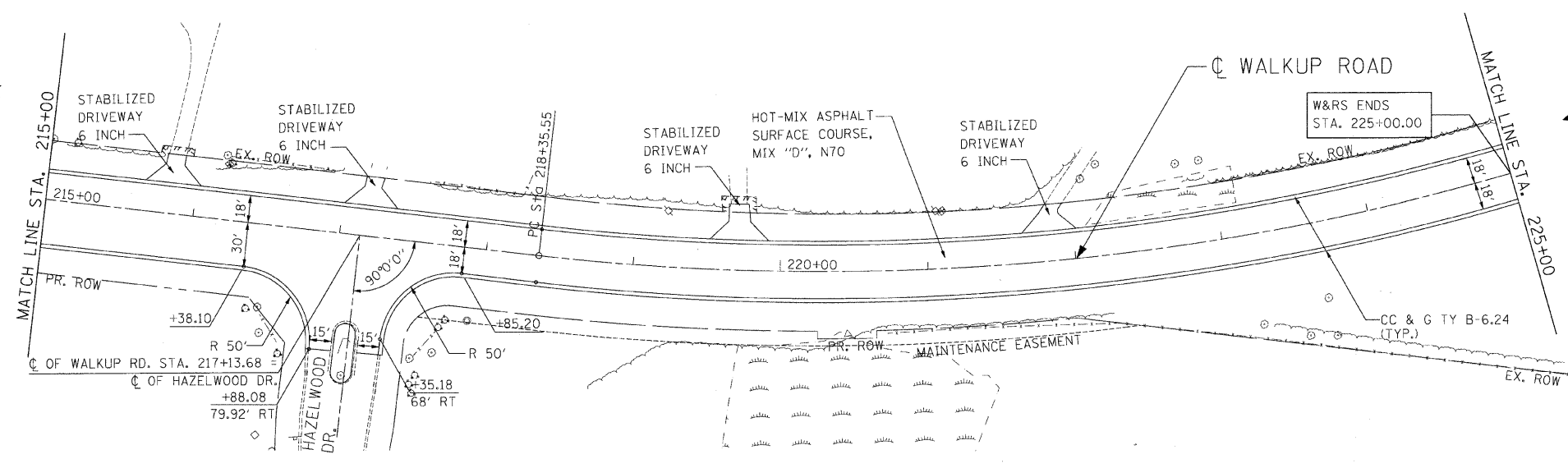
EXISTING PLAN



REMOVAL LEGEND

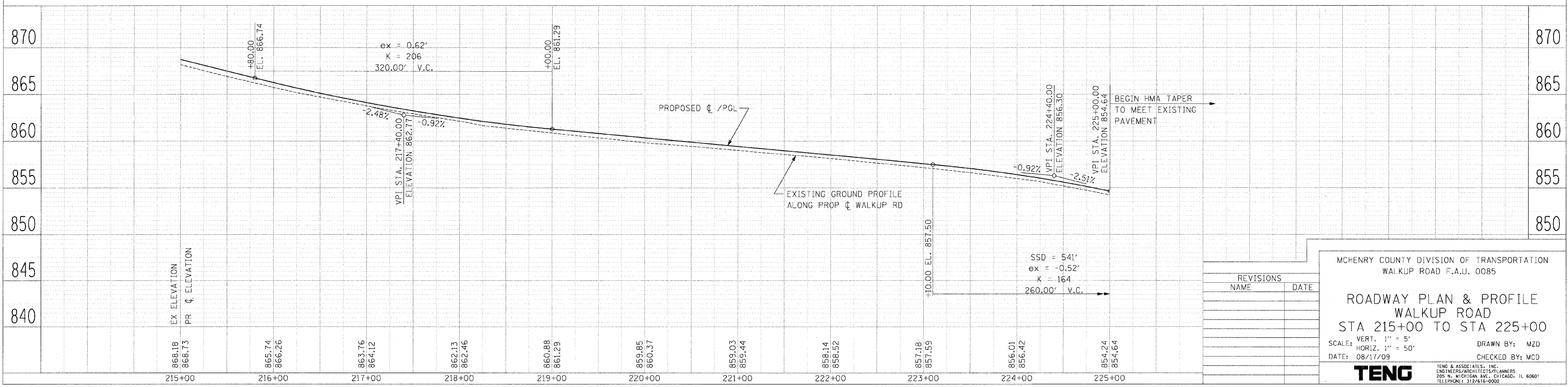
- DRIVEWAY PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (SEE NOTE 1 SHEET 30)
- PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- TREE REMOVAL (WITH DIAMETER)
- LINEAR REMOVALS

PROPOSED PLAN



PROP. CURVE WALKPR-11
 PI STA. = 225+71.31
 Δ = 47° 10' 00" (LT)
 D = 3° 23' 58"
 R = 1,685.42'
 T = 735.76'
 L = 1,387.46'
 E = 153.60'
 P.C. STA. = 218+35.55
 P.T. STA. = 232+23.02
 e = 0.032
 T.R. = 55.5
 S.E. RUN = 88.8

START TRANS (NORMAL CROWN) = STA. 217+21.00
 END TRANS (FULL SE = 3.2%) = STA. 218+66.00
 START TRANS (FULL SE +3.2%) = STA. 225+00.00
 END TRANS (MATCH EXISTING SE) = STA. 226+00.00
 SEE SHEET 41



REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
 WALKUP ROAD F.A.U. 0085

ROADWAY PLAN & PROFILE
 WALKUP ROAD
 STA 215+00 TO STA 225+00

SCALE: VERT. 1" = 5'
 HORIZ. 1" = 50'

DATE: 08/17/09

DRAWN BY: MZD
 CHECKED BY: MCD

TENG
 TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 205 N. MICHIGAN AVE., CHICAGO, IL 60601
 TELEPHONE: 312/616-0000

DATE	
BY	
PLAN	
NO.	
NOTE BOOK	
NO.	
DATE	
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PROFILE	
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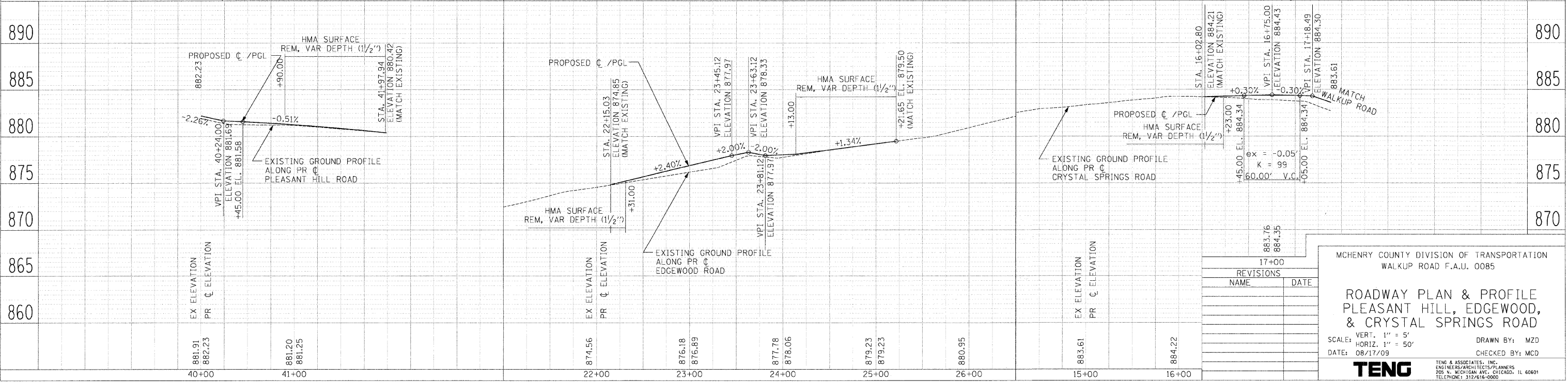
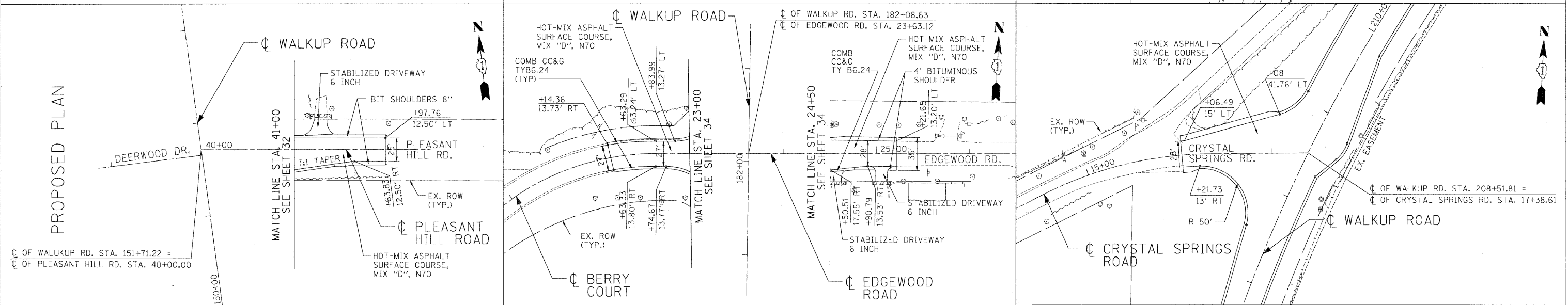
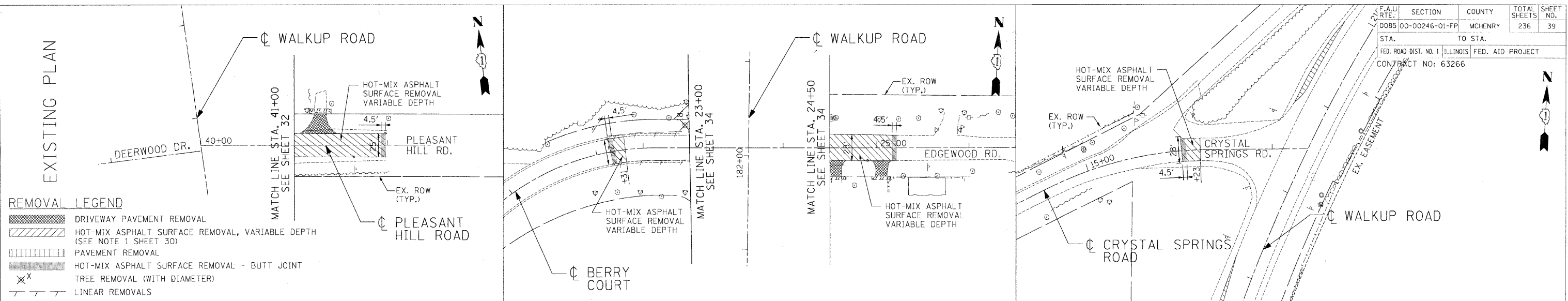
PROJECT NO. 0085-00-00246-01-FP
 DRAWN BY: MZD
 CHECKED BY: MCD
 DATE: 08/17/09

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 NOTE BOOK NO.: []
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REVISIONS	
NAME	DATE

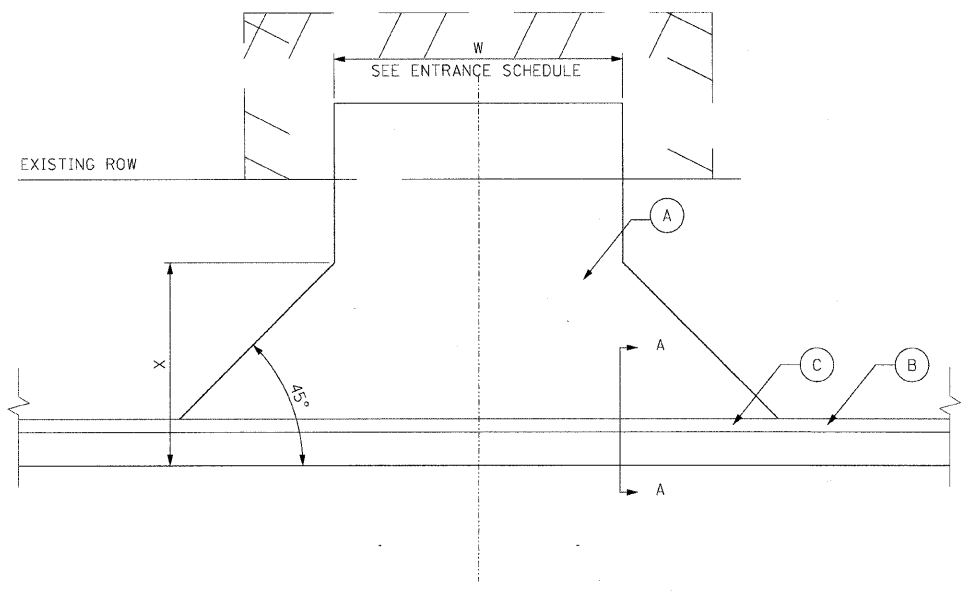
MCHENRY COUNTY DIVISION OF TRANSPORTATION
 WALKUP ROAD F.A.U. 0085

ROADWAY PLAN & PROFILE
 PLEASANT HILL, EDGEWOOD,
 & CRYSTAL SPRINGS ROAD

SCALE: VERT. 1" = 5'
 HORIZ. 1" = 50'
 DATE: 08/17/09

DRAWN BY: MZD
 CHECKED BY: MCD

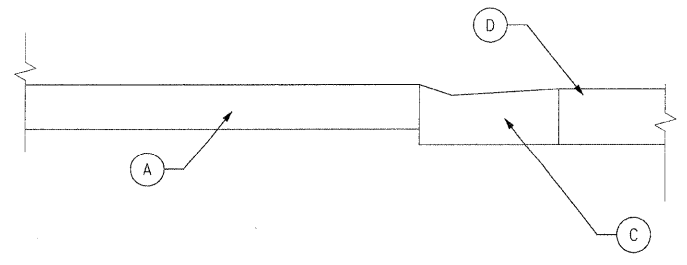
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TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 205 N. MICHIGAN AVE., CHICAGO, IL 60601
 TELEPHONE: 312/678-0000



ENTRANCE TYPICAL
BITUMINOUS CONCRETE SURFACE

- (A) HOT-MIX ASPHALT DRIVEWAY/FIELD ENTRANCE
- (B) COMBINATION CONCRETE CURB AND GUTTER, TYPE TB6.24
- (C) DEPRESSED CURB AND GUTTER, TYPE TB6.24
- (D) PAVEMENT

- NOTES:
- X = 15' FOR RESIDENTIAL, COMMERCIAL AND FIELD ENTRANCES
 - FIELD ENTRANCES SHALL BE CONSTRUCTED WITH HOT-MIX ASPHALT SURFACE AND AGGREGATE BASE.
 - REFER TO IDOT DISTRICT 1 DRIVEWAY DETAILS BD-01 FOR ADDITIONAL DRIVEWAY/FIELD ENTRANCE DETAILS.
 - SEE GENERAL NOTE 6.



SECTION A-A

ENTRANCE SCHEDULE							
ROAD NAME	STATION	LT/RT	TYPE	EXISTING SURFACE	AREA SY	WIDTH (W) FOOT	REMOVAL AREA (SY)
WALKUP ROAD							
*	67+36.36 - 69+58.83	RT	CE	TURF	250.3	10.0	-
	74+08.16	RT	CE	BIT	79.2	21.0	96.7
**	108+43.50	RT	RE	BIT	91.4	13.2	62.1
	113+03.14	RT	FE	TURF	83.4	16.0	-
	157+29.66	RT	RE	BIT	55.2	17.8	77.8
	159+33.17	RT	RE	BIT	58.3	13.9	103.2
	161+61.13	RT	RE	BIT	87.6	20.6	101.1
	161+93.69	LT	CE	BIT	222.0	37.2	618.1
	163+51.54	RT	RE	BIT	47.4	12.5	78.6
	173+53.99	RT	RE	BIT	47.7	12.2	90.9
	176+38.21	RT	RE	BIT	45.9	10.9	61.1
	186+02.03	RT	RE	GRAVEL	45.4	10.4	-
	188+11.49	RT	RE	BIT	64.3	17.6	107.3
	192+75.65	RT	RE	BIT	88.6	24.0	103.4
	194+25.81	RT	RE	BIT	47.3	20.0	57.2
	196+37.18	LT	RE	BIT	35.2	8.4	43.9
	199+03.96	RT	RE	GRAVEL	46.2	12.0	-
	200+05.83	LT	RE	BIT	53.6	13.7	71.8
	200+18.40	RT	RE	BIT	50.9	14.7	57.3
	203+71.95	LT	RE	BIT	97.9	20.2	75.9
	206+28.21	LT	RE	BIT	66.9	12.1	56.7
	212+88.40	LT	RE	GRAVEL	61.1	10.4	-
	215+83.15	LT	RE	BIT	44.0	12.0	54.7
	217+16.43	LT	RE	BRICK	41.9	10.5	66.3
	219+72.68	LT	RE	BIT	56.0	13.3	74.3
	221+72.81	LT	RE	GRAVEL	41.0	12.0	-
PLEASANT HILL							
	41+25.00	LT	RE	BIT	35.0	12.8	47.9
EDGEWOOD							
	24+56.71	RT	RE	BIT	16.7	11.3	25.2
	25+05.41	RT	RE	BIT	25.0	12.5	25.3
RUNNING IRON							
	41+61.59	LT	RE	BIT	14.6	21.8	14.6

FE = FIELD ENTRANCE
 RE = RESIDENTIAL ENTRANCE
 CE = COMMERCIAL ENTRANCE
 * = PR SHARED USE PATH AT VETERAN ACRES PARK
 ** = STABILIZED DRIVEWAY CONSTRUCTED ADJACENT TO PCC SIDEWALK 6", SPECIAL

REVISIONS	
NAME	DATE

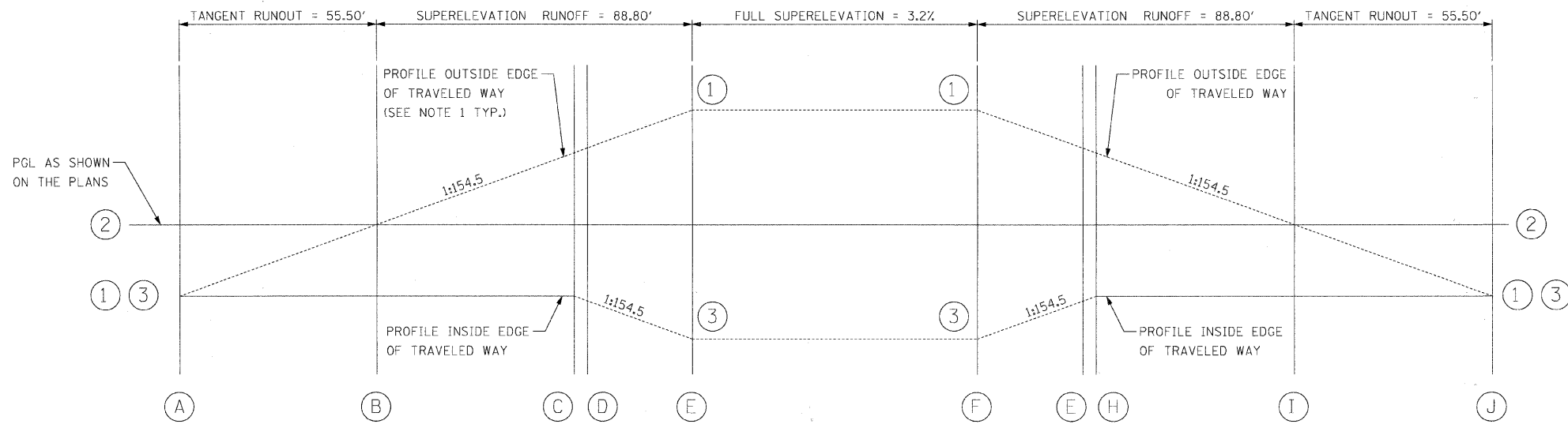
MCHENRY COUNTY DIVISION OF TRANSPORTATION
 WALKUP ROAD F.A.U. 0085

DRIVEWAY DETAIL & SCHEDULE

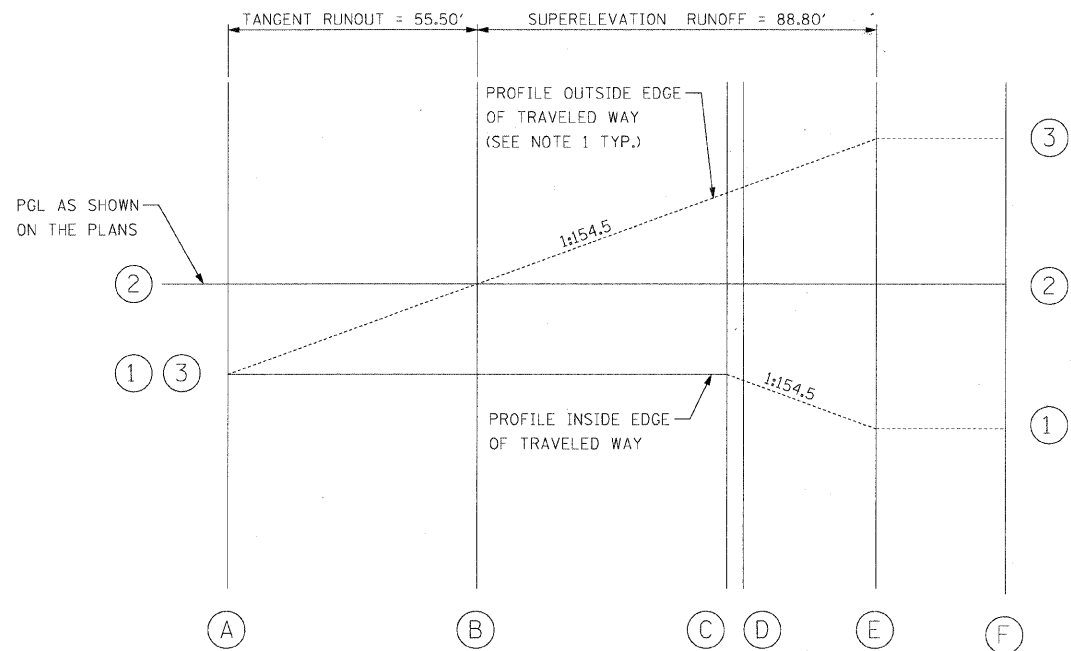
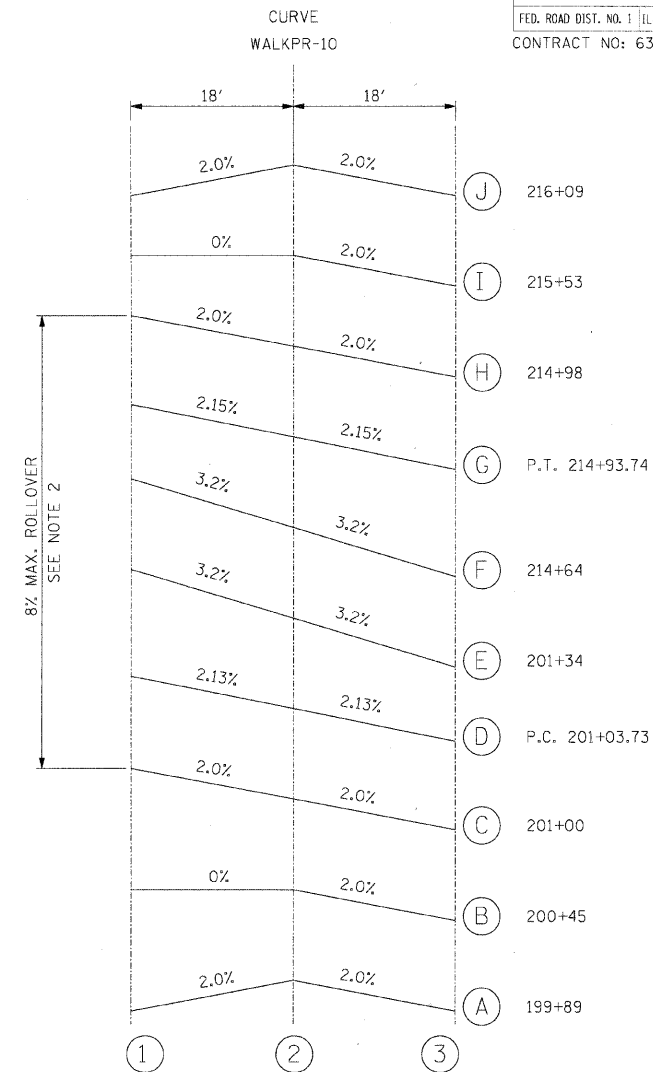
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 DATE: 08/17/09 CHECKED BY: MCD

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 205 N. MICHIGAN AVE., CHICAGO, IL 60601
 TELEPHONE: 312/616-0000

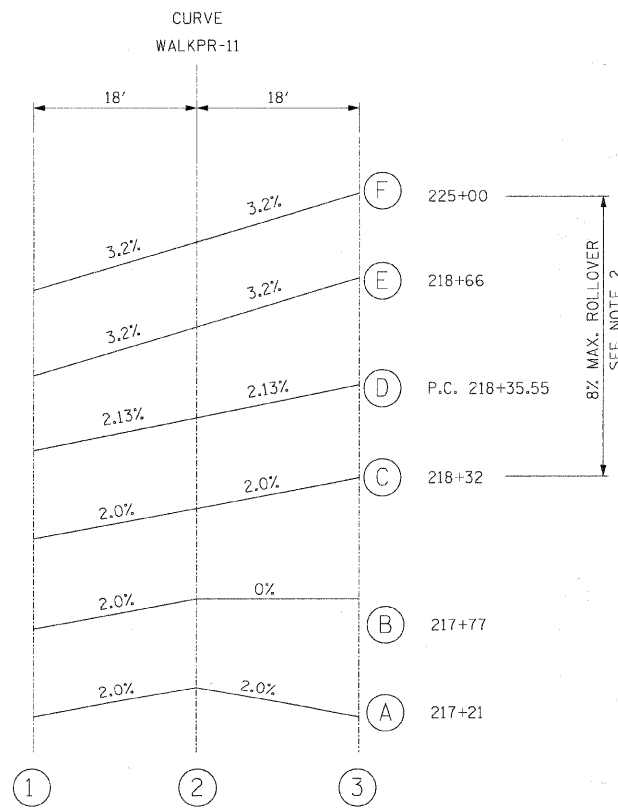
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CURVE WALKUP-10 SUPERELEVATION TRANSITION DIAGRAM
 AXIS OF ROTATION : ABOUT CENTERLINE



CURVE WALKUP-11 SUPERELEVATION TRANSITION DIAGRAM
 AXIS OF ROTATION : ABOUT CENTERLINE



- NOTE:
1. ROUND ALL EDGE BREAKPOINTS IN THE FIELD.
 2. MAXIMUM ROLLOVER (ALGEBRAIC DIFFERENCE IN CROSS-SLOPE) BETWEEN PAVEMENT AND GUTTER FLAG = 8%.

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
 WALKUP ROAD F.A.U. 0085

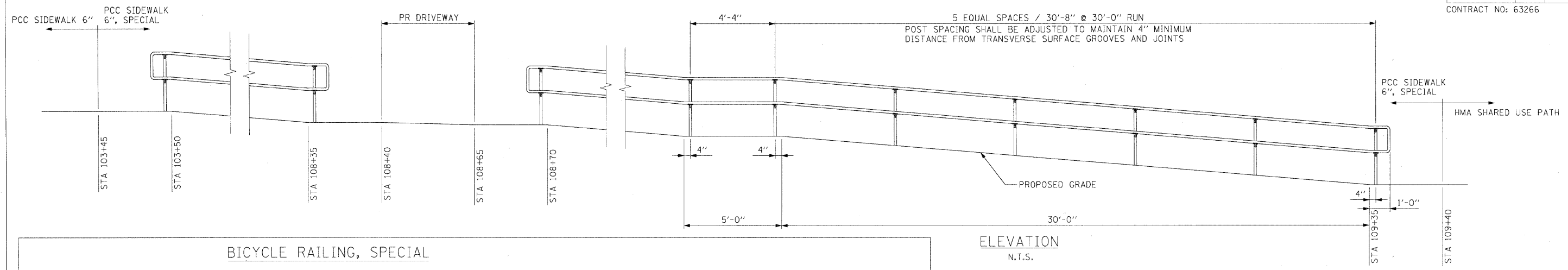
**SUPERELEVATION DETAILS
 WALKUP ROAD**

SCALE: SCALE1
 DATE: 08/17/09
 DRAWN BY: DRAWN
 CHECKED BY: CHECKED

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 ENGINEERS/ARCHITECTS/PLANNERS
 205 N. WICHITAN AVE., CHICAGO, IL 60601
 TELEPHONE: 312/636-0000

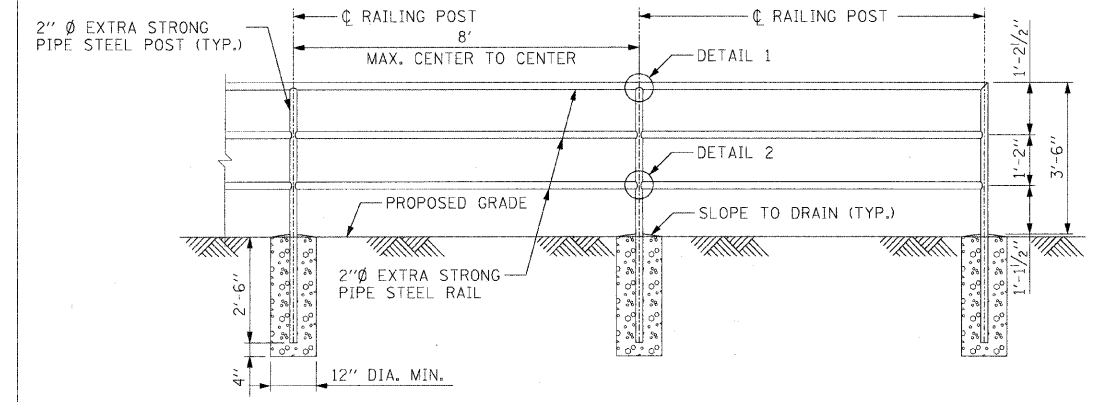
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 STANISLAJ

PIPE HANDRAIL, SPECIAL

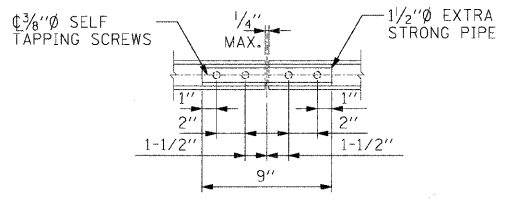


ELEVATION
N.T.S.

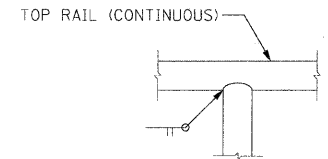
BICYCLE RAILING, SPECIAL



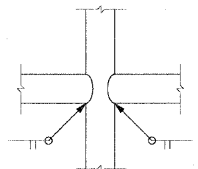
ELEVATION
N.T.S.



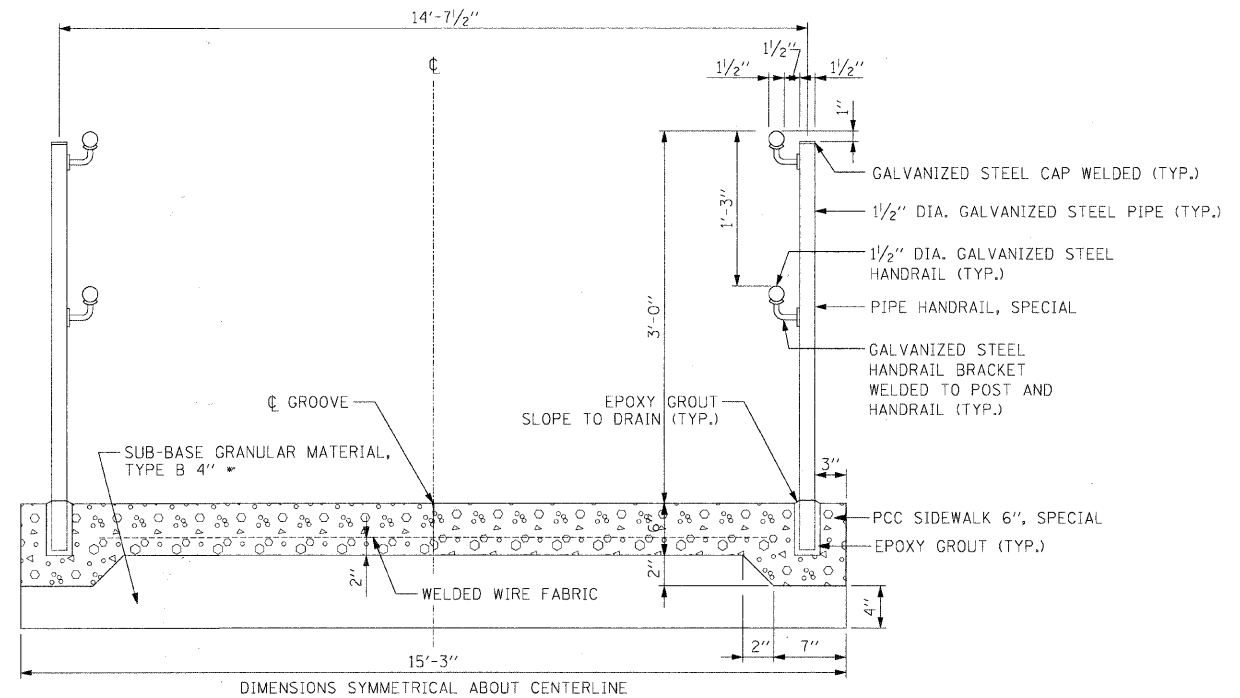
RAIL SPLICE DETAIL



DETAIL 1



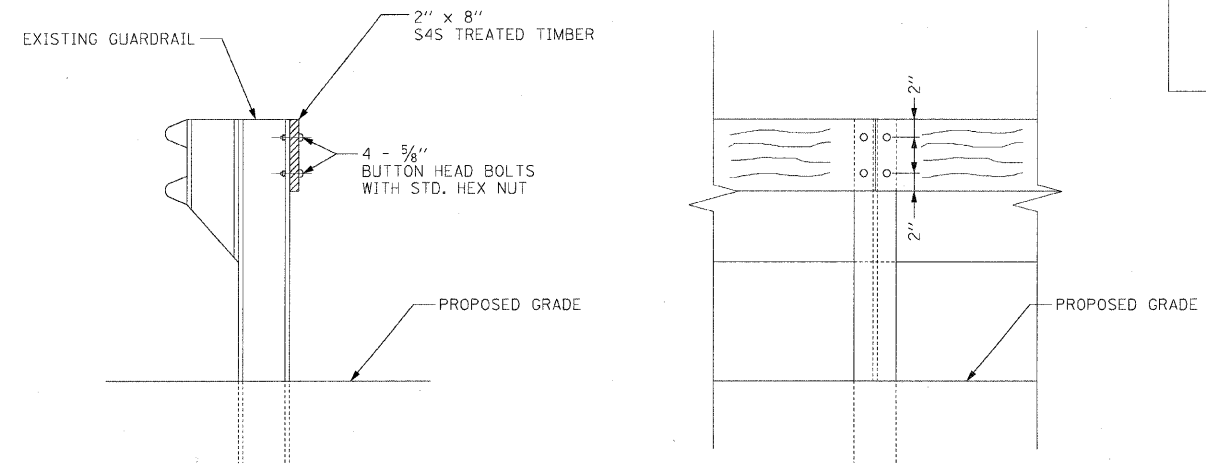
DETAIL 2



PCC SIDEWALK 6 INCH, SPECIAL SECTION

N.T.S.
STA 103+45 TO STA 108+40
STA 108+65 TO STA 109+40

PROTECTION OF BACKSIDE OF GUARDRAIL



SECTION
N.T.S.

APPROX. STA 122+34 TO STA 127+24

ELEVATION
(BIKE PATH SIDE)
N.T.S.

BICYCLE RAILING, SPECIAL AND PIPE HANDRAIL, SPECIAL NOTES:

1. THE CONTRACTOR SHALL INCLUDE RAIL SPLICE CONNECTION DETAILS WITH SHOP DRAWING SUBMITTALS.
2. RAILING SHALL BE IN ACCORDANCE WITH SECTION 509 OF THE STANDARD SPECIFICATIONS EXCEPT AS NOTED.
3. ALL POSTS, RAILINGS, SPLICES, ANCHOR DEVICES, AND PLATES SHALL BE GALVANIZED AFTER SHOP FABRICATION ACCORDING TO AASHTO M-111. ALL BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED ACCORDING TO AASHTO M-232 EXCEPT STAINLESS STEEL HARDWARE SHALL BE UNCOATED.
4. VENT HOLES FOR GALVANIZING SHALL BE PLACED IN THE POSTS AND RAILS AT LOCATIONS THAT WILL NOT ALLOW FOR THE ACCUMULATION OF MOISTURE IN THE MEMBERS.
5. RAIL TO MATCH PROFILE.

* THE COST OF THE WORK TO PLACE THE ADDITIONAL 2" DEPTH OF SUB-BASE GRANULAR MATERIAL, TYPE B UNDER THE PCC SIDEWALK 6" SPECIAL WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR SUB-BASE GRANULAR MATERIAL, TYPE B 4".

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

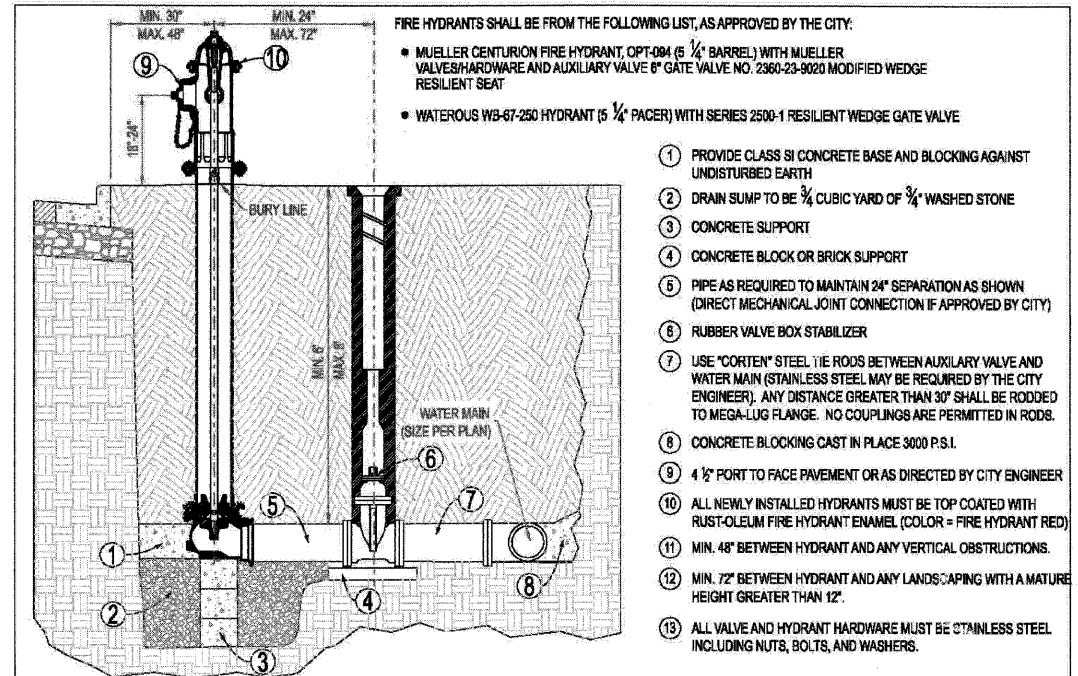
SHARED USE PATH
SPECIAL DETAILS

SCALE: N.T.S.
DATE: 08/17/09
DRAWN BY: RJS
CHECKED BY: MCD

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TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
205 N. MICHIGAN AVE. CHICAGO, IL 60601
TELEPHONE: 312/616-9000

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- WATER MAIN GENERAL NOTES:**
- PRE-CONSTRUCTION MEETING SHALL BE CONDUCTED WITH CITY OF CRYSTAL LAKE STAFF AND ALL CONTRACTORS PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES (SCHEDULE MEETING WITH THE ENGINEERING DIVISION INSPECTION SERVICES COORDINATOR AT 815-356-3615).
 - 24-HOUR EMERGENCY CONTACT NUMBERS SHALL BE PROVIDED TO CITY STAFF AT THE PRE-CONSTRUCTION MEETING.
 - WORKING HOURS SHALL BE LIMITED TO THE HOURS OF 7:00 A.M. AND 7:00 P.M. ON WEEKDAYS ONLY (EXCEPT IN CASES OF EMERGENCY). NON-EMERGENCY WORK ON WEEKENDS OR HOLIDAYS IS NOT PERMITTED PER CITY CODE EXCEPT UNDER A SEPARATE PERMIT FROM THE CITY ENGINEER, LIMITED TO A PERIOD OF NOT MORE THAN THREE DAYS AND RENEWABLE ONLY ONCE.
 - PUBLIC/PRIVATE STREETS SHALL BE KEPT FREE OF DIRT AND DEBRIS WITH REGULAR CLEANING, SWEEPING, AND SCRAPING CONDUCTED BY THE CONTRACTOR. JUNK AND DEBRIS SHALL NOT BE ALLOWED TO ACCUMULATE, BLOW, OR SCATTER ONTO STREETS OR ADJACENT PROPERTIES.
 - J.U.L.I.E. SHALL BE CONTACTED FOR UTILITY LOCATIONS ON-SITE AND IN THE ADJACENT RIGHTS-OF-WAY.
 - CONTRACTOR SHALL PROVIDE AND MAINTAIN FENCING, BARRICADES, TRAFFIC CONTROL SIGNS, AND OTHER SAFEGUARDING MEASURES DURING THE COURSE OF ALL WORK TO PROTECT THE PUBLIC FROM THE CONSTRUCTION OPERATIONS.
 - MAINTAIN ACCESS TO ADJACENT STREETS DURING CONSTRUCTION. NO CLOSING OF STREETS UNLESS APPROVAL FIRST OBTAINED FROM THE AGENCY WITH JURISDICTION (CITY ENGINEERING DIVISION, MCHENRY COUNTY DEPARTMENT OF TRANSPORTATION, ILLINOIS DEPARTMENT OF TRANSPORTATION, ETC).
 - ANY DAMAGE TO PUBLIC RIGHT-OF-WAY, PUBLIC UTILITIES, STREETS, CURB, ETC. SHALL BE REPAIRED /REPLACED AS SOON AS POSSIBLE AND AS DIRECTED BY THE ENGINEERING DIVISION.
 - THE CONTRACTOR SHALL GIVE THE CITY OF CRYSTAL LAKE, ILLINOIS DEPARTMENT OF TRANSPORTATION, AND ANY OTHER GOVERNMENTAL AGENCY HAVING JURISDICTION, AT LEAST TWO (2) WORKING DAYS NOTICE EXCLUDING SATURDAY AND SUNDAY PRIOR TO THE INITIATION OF ANY PHASE OF CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY IF CONSTRUCTION HAS CEASED AND RENEW THE TWO (2) WORKING DAY NOTIFICATION THEREAFTER.
 - 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 PROTECTION OF ALL ROADWAYS BEFORE CONSTRUCTION BEGINS.
 - CONTRACTOR SHALL REIMBURSE THE CITY OF CRYSTAL LAKE FOR THE COST OF OVERTIME INSPECTION BEYOND THE NORMAL EIGHT (8) HOUR DAY, INCLUDING WEEKENDS AND HOLIDAYS.

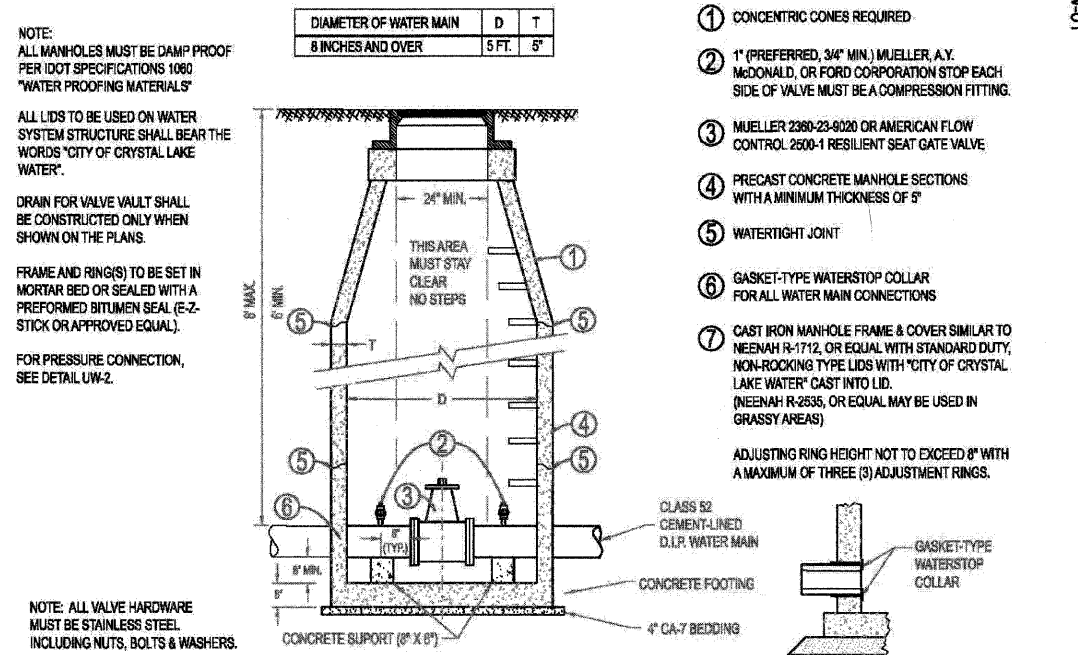


Approved: City Engineer
Victor C. Ramirez, P.E.
 Victor C. Ramirez, P.E.
 Director of Engineering and Building

Drawing Name: **FIRE HYDRANT**

Drawing Number: **UW-06**
 Date: 11/2/2007
 Drawn: EM, Checked: JN

CRYSTAL LAKE ILLINOIS Engineering Division

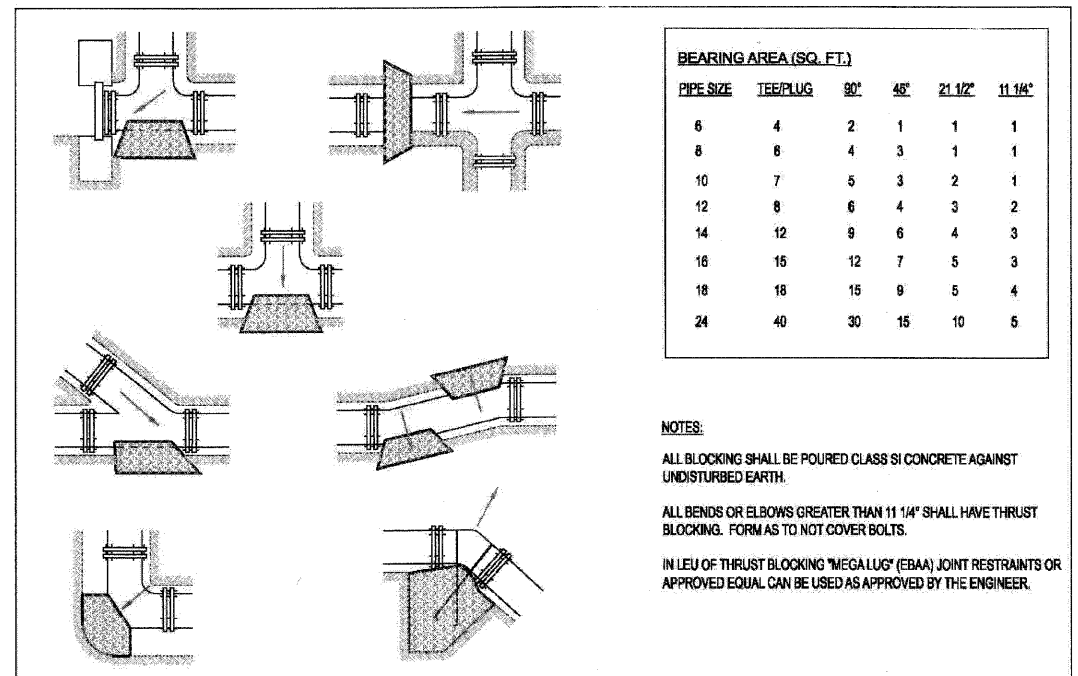


Approved: City Engineer
Victor C. Ramirez, P.E.
 Victor C. Ramirez, P.E.
 Director of Engineering and Building

Drawing Name: **STANDARD VALVE VAULT**

Drawing Number: **UW-01**
 Date: 4/15/2007
 Drawn: EM, Checked: JN

CRYSTAL LAKE ILLINOIS Engineering Division



Approved: City Engineer
Victor C. Ramirez, P.E.
 Victor C. Ramirez, P.E.
 Director of Engineering and Building

Drawing Name: **THRUST BLOCK INSTALLATION**

Drawing Number: **UW-03**
 Date: 4/15/2007
 Drawn: EM, Checked: JN

CRYSTAL LAKE ILLINOIS Engineering Division

- WATER MAIN:**
- Thrust blocking shall be installed on water mains at all bends, tees, elbows, etc. except as noted below.
 - Thrust blocks not permitted with 45° vertical bends in water main. These shall be restrained with Mega-Lug or equivalent.
 - Water main shall be ductile iron pipe, Class 52 conforming to A.N.S.I. A-21.51 or AWWA C-151.
 - Gaskets and cast iron fittings shall conform to A.N.S.I. A-21.11 or AWWA C-110 and C-111 water main shall be cement lined in conformance with A.N.S.I. A-21.4 or AWWA C-104.
 - Minimum cover from finished grade to top of water main shall be six (6) feet; Maximum cover shall be eight (8) feet.
 - Water Main Taps: an Illinois licensed plumber is required for any water main tap.
 - All water mains shall be subjected to a pressure test and a separate leakage test at system pressure for 24 hours by the Contractor. Hydrostatic pressure test and leakage shall be based on 125 psi for two (2) hours. Water mains shall be chlorinated in accordance with the Standard Specifications.
 - The Underground Contractor shall consider incidental to the contract any chlorination and testing of existing water main where connections to and conclusion of such mains is indicated on the drawings. In the event that the pressure attributable to defective original workmanship and material, then the Contractor shall be entitled to additional payment for correcting the deficiencies.

Approved: City Engineer
Victor C. Ramirez, P.E.
 Victor C. Ramirez, P.E.
 Director of Engineering and Building

Drawing Name: **STANDARD NOTES AND SPECIFICATIONS**

Drawing Number: **GE-02d**
 Date: 6/1/2007
 Drawn: EM, Checked: LZ

CRYSTAL LAKE ILLINOIS Engineering Division

MCHENRY COUNTY DIVISION OF TRANSPORTATION
 WALKUP ROAD F.A.U. 0085

WATER MAIN DETAILS I

SCALE: N.T.S. DRAWN BY: MZD
 DATE: 08/17/09 CHECKED BY: MCD

TENG
 TENG & ASSOCIATES, INC.
 ENGINEERS ARCHITECTS PLANNERS
 205 N. MICHIGAN AVE. CHICAGO, IL 60601
 TELEPHONE: 312/616-0000

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 STANKER
 1:ENGINEERING AND BUILDING ENGINEERING DETAILS AND STANDARDS

WATER MAIN GENERAL NOTES (cont.):

- THE 12" x 6" HYDRANT TEE SHOWN ON THE PLANS AT STA. 105+17.12 AND STA. 107+78.80 SHALL BE FLANGED AND WILL BE PAID FOR AS DUCTILE IRON WATER MAIN FITTING 12" X 6" TEE.
- FIRE HYDRANT AUXILIARY VALVES AT STA. 105+17.12 AND STA. 107+78.80 SHALL BE CONSTRUCTED ADJACENT TO THE PROPOSED WATERMAIN AND SHALL NOT BE LOCATED WITHIN THE LIMITS OF THE PROPOSED PCC SIDEWALK 6", SPECIAL.
- THE 72" MAXIMUM DISTANCE BETWEEN THE FIRE HYDRANT AUXILIARY VALVE AS SHOWN ON THE FIRE HYDRANT DETAIL DRAWING UW-06 SHALL NOT APPLY FOR FIRE HYDRANTS AT STA. 105+17.12 AND STA. 107+78.80.

WATER MAIN CONSTRUCTION SEQUENCE:

- CONSTRUCT WATER MAIN AT STA. 103+75 AND STA. 109+41.59 INCLUDING FIRE HYDRANT AUXILIARY VALVES AT STA. 105+17.12 AND STA. 107+78.80.
- WATER MAIN CONSTRUCTED BETWEEN VALVES AT STA. 103+75 AND STA. 109+41.59 SHALL BE TESTED, DISINFECTED, AND APPROVED FOR OPERATION BEFORE CONNECTIONS TO THE EXISTING WATER MAIN.
- CONNECT WATER MAIN CONSTRUCTED BETWEEN STA. 103+75 AND STA. 109+41.59 TO THE EXISTING WATER MAIN AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
- REMOVE EXISTING WATER MAIN WHERE CONFLICTS EXIST BETWEEN THE PROPOSED FIRE HYDRANT LATERAL PIPES AND EXISTING WATER MAIN.
- CONSTRUCT FIRE HYDRANTS AND 6" WATER MAIN BETWEEN FIRE HYDRANTS AND AUXILIARY VALVES AT STA. 105+17.12 AND STA. 107+78.80.

PRESSURE TEST		CALCULATION FOR ACTUAL WATER VOLUME LOSS	
	2-HOUR	24-HOUR	
TOTAL LENGTH OF MAIN (FEET)			SURFACE AREA OF SUPPLY VESSEL (FEET)
PIPE DIAMETER (INCHES)			MAXIMUM ALLOWABLE DROP IN WATER LEVEL (FEET)
TEST PRESSURE (PSI)			ACTUAL DROP IN WATER LEVEL (FEET)
TOTAL ALLOWABLE LEAKAGE IN ONE HOUR (GALLONS)			GALLONS
TOTAL ALLOWABLE LEAKAGE IN TIME FRAME (GALLONS)			INITIAL METER READING
			24TH HOUR METER READING
			TOTAL ALLOWABLE LEAKAGE (GALLONS)
			ACTUAL LEAKAGE (GALLONS)
			PASS OR FAIL

PROJECT NAME: _____
 CONTRACTOR: _____
 WITNESS: _____
 LINE PRESSURIZED DATE: _____ TIME: _____ AM/PM
 LINE TESTED DATE: _____ TIME: _____ AM/PM

LOCATION DIAGRAM:

Approved: City Engineer
 Victor C. Ramirez, P.E.
 Director of Engineering and Building

Drawing Name: **WATER MAIN TEST REPORT**

Drawing Number: **UW-09**
 Date: 4/12/2007
 Drawn: EM Checked: LZ

CRYSTAL LAKE ILLINOIS
 Engineering Division

CITY OF CRYSTAL LAKE WATER MAIN CHLORINATION SPECIFICATIONS:

- DISINFECTION OF WATER MAINS SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION, CURRENT EDITION
- THE CITY ENGINEERING DIVISION AND WATER DIVISION SHALL BE NOTIFIED 48 HOURS IN ADVANCE FOR SCHEDULING OF ANY TESTING CHLORINATING, FLUSHING, OR SAMPLING.
- ONLY CITY WATER DIVISION PERSONNEL MAY OPERATE WATER VALVES ON LIVE MAINS.
- A WATER VALVE JUMPER IS REQUIRED TO MAINTAIN PRESSURE ON THE CHLORINATED LINES DURING THE SAMPLING PROCEDURE FOR PROPER INSTALLATION AND REQUIREMENTS SEE THE STANDARD WATER VALVE JUMPER DETAIL.
- WATER MAINS SHALL BE FLUSHED WITH A MINIMUM VELOCITY OF 2.5 FPS.
- THE INITIAL CHLORINE CONCENTRATION SHALL BE 50 mg/L WITH A MINIMUM 24 HOUR RESIDUAL OF 25 mg/L.
- THE METHOD OF CHLORINE APPLICATION SHALL BE APPROVED BY THE CITY:
 - LIQUID CHLORINE WITH CHLORINATING DEVICE WITH BACKFLOW PREVENTER.
 - CHLORINE BEARING COMPOUNDS IN WATER.
 - TABLET DISINFECTION.
- ALL NEW VALVES AND HYDRANTS SHALL BE OPERATED WHILE LINE IS BEING CHLORINATED.
- THE CITY ENGINEERING DIVISION SHALL DETERMINE LOCATION AND QUANTITY OF CORPORATION STOPS FOR FLUSHING AND CHLORINATING.
- THE FINAL FLUSHING RESIDUAL IN THE NEW CHLORINATED LINES SHALL BE BETWEEN 0.2 AND 2.0 mg/L.
- ALL WATER SAMPLES SHALL BE COLLECTED ON TWO (2) CONSECUTIVE DAYS AND PASS BACTERIOLOGICAL TEST RESULTS. IN THE EVENT THAT THE FIRST SET OF SAMPLES TAKEN TWO (2) CONSECUTIVE DAYS APART FAIL TO PASS, ANOTHER SET OF SAMPLES MAY BE TAKEN TWO (2) DAYS APART (PER STATE SPECS). IF THE SECOND SET FAILS TO PASS TESTING, THEN THE PROCEDURE MUST BE REPEATED WITH THE MAIN BEING RECHLORINATED, REFRESHED, AND RESAMPLED.
- STATE CERTIFIED LAB MUST BE USED FOR SAMPLES.

CHLORINE REQUIREMENTS TO PRODUCE 50 mg/L CONCENTRATION IN 100 FEET OF PIPE-BY DIAMETER.

PIPE SIZE IN INCHES	100% CHLORINE, LB.	1% CHLORINE SOLUTION, GALS.
4	0.027	0.33
6	0.061	0.73
8	0.108	1.30
10	0.170	2.04
12	0.240	2.88

NUMBER OF 5-GRAIN HYPOCHLORITE TABLETS REQUIRED FOR A DOSAGE OF 50mg/L PER LENGTH OF PIPE SECTION

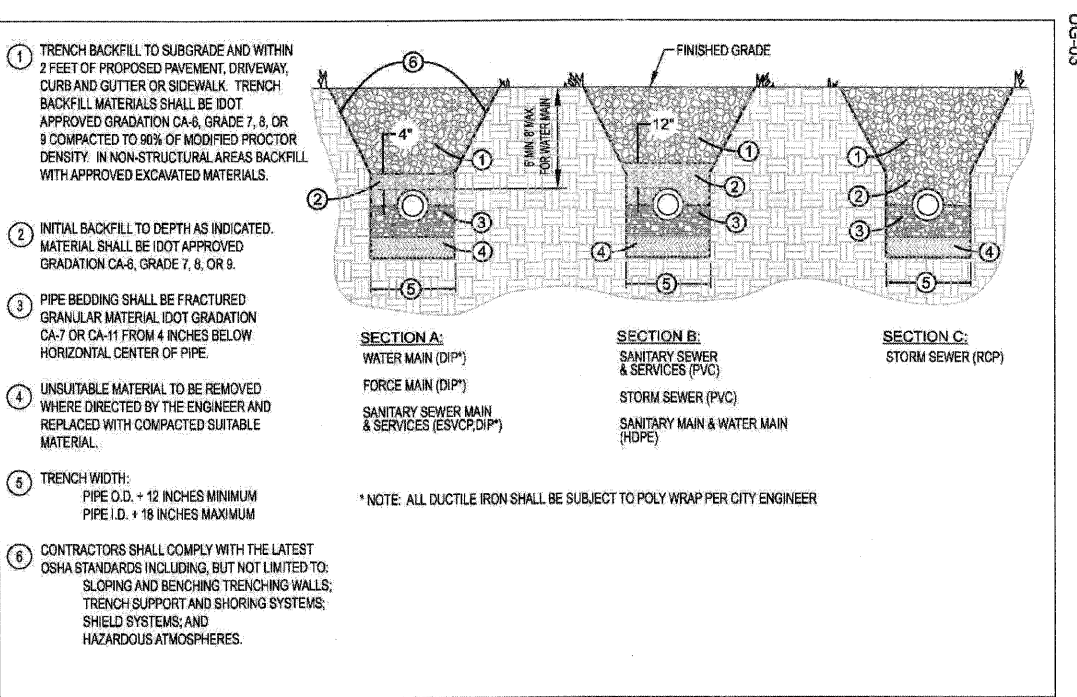
PIPE SIZE IN INCHES	LENGTH OF PIPE SECTION IN FEET				
	UP TO 13	18	20	30	40
2	1	1	1	1	1
4	1	1	2	2	2
6	2	2	3	3	4
8	2	3	5	5	6
10	3	5	7	7	9
12	5	6	10	10	14

Approved: City Engineer
 Victor C. Ramirez, P.E.
 Director of Engineering and Building

Drawing Name: **CHLORINATION SPECIFICATIONS**

Drawing Number: **UW-08**
 Date: 4/15/2007
 Drawn: EM Checked: LZ

CRYSTAL LAKE ILLINOIS
 Engineering Division

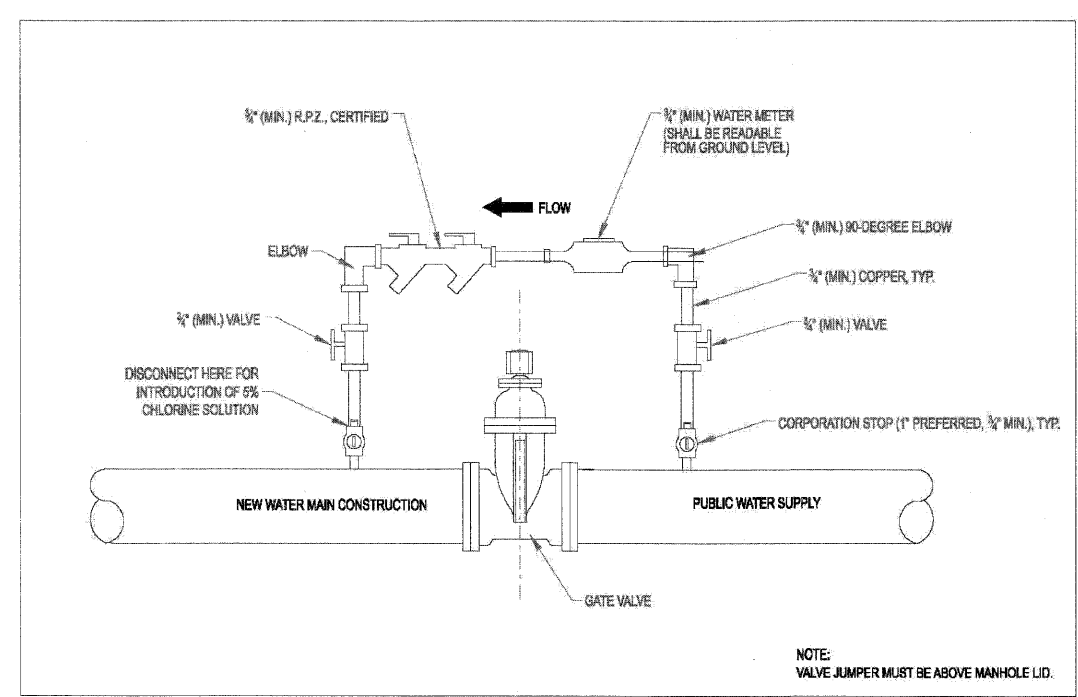


Approved: City Engineer
 Victor C. Ramirez, P.E.
 Director of Engineering and Building

Drawing Name: **TYPICAL TRENCH CROSS SECTION**

Drawing Number: **UG-03**
 Date: 6/12/2007
 Drawn: EM Checked: LZ

CRYSTAL LAKE ILLINOIS
 Engineering Division



Approved: City Engineer
 Victor C. Ramirez, P.E.
 Director of Engineering and Building

Drawing Name: **WATER VALVE JUMPER**

Drawing Number: **UW-05**
 Date: 4/15/2007
 Drawn: EM Checked: JN

CRYSTAL LAKE ILLINOIS
 Engineering Division

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
 WALKUP ROAD F.A.U. 0085

WATER MAIN DETAILS II

SCALE: N.T.S. DRAWN BY: MZO
 DATE: 08/17/09 CHECKED BY: MCD

TENG
 TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 205 N. MICHIGAN AVE. CHICAGO, IL 60601
 TELEPHONE: 312/616-0000

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MOT GENERAL NOTES

ALL OF THE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE CONSTRUCTION IS STARTED. TEMPORARY TRAFFIC SIGNALS SHALL BE IN PLACE AT THE INTERSECTIONS NOTED ON THE PLANS.

TEMPORARY INTERSECTION SIGNALIZATION SHALL BE ADJUSTED TO ACCOMMODATE THE VARIOUS STAGE OF CONSTRUCTION SHOWN. THE TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT.

A MINIMUM OF ONE (1) LANE (11 FEET) IN EACH DIRECTION SHALL BE KEPT OPEN TO TRAFFIC DURING NON-WORKING HOURS.

REMOVE ALL EXISTING PAVEMENT MARKINGS CONFLICTING WITH REVISED TRAFFIC PATTERNS. TYPE III MARKING TAPE SHALL BE USED ON THE FINAL WEARING SURFACE OR ON THE EXISTING PAVEMENT TO REMAIN WHEN THE TEMPORARY PAVEMENT MARKING WILL CONFLICT WITH THE PERMANENT PAVEMENT MARKING SUCH AS ON TAPERS OR LANE SHIFTS.

THE CONTRACTOR SHALL PROVIDE INFORMATION SIGNS ON TEMPORARY SUPPORTS FOR ALL COMMERCIAL AND PRIVATE DRIVEWAYS. THESE SIGNS SHALL BE WHITE ON GREEN IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THIS WORK WILL BE PAID FOR PER DISTRICT ONE DETAIL TC-26.

PROVIDE TEMPORARY BITUMINOUS RAMP WEDGE TO TRANSITION THE DIFFERENTIAL ELEVATIONS CAUSED BY STAGED CONSTRUCTION BETWEEN THE NEW CONSTRUCTION AND THE EXISTING PAVEMENT. ANY PAVEMENT DROP-OFFS GREATER THAN 3 INCHES IMMEDIATELY ADJACENT TO TRAFFIC SHALL NOT BE LEFT OVERNIGHT. PROVIDE TEMPORARY BITUMINOUS RAMP WEDGE OR OTHER MITIGATING MEASURES APPROVED BY THE ENGINEER.

EXISTING TRAFFIC CONTROL SIGNS & MESSAGES THAT ARE IN CONFLICT WITH THE PROPOSED MAINTENANCE OF TRAFFIC SHALL BE TEMPORARILY COVERED OR MODIFIED WITH TEMPORARY OVERLAY AS SHOWN IN THE PLANS AND DIRECTED BY THE ENGINEER.

THE FOLLOWING TABLE PROVIDES THE NECESSARY TREATMENT REQUIRED BY THE CONTRACTOR TO MINIMIZE DROP-OFF EXPOSURE.

DROP-OFF AT EDGE OF PAVEMENT

DROP-OFF LOCATION (FROM EDGE OF PAVEMENT)	SPEED MPH (5)	DROP-OFF HEIGHT AND TYPE (INCHES)	TREATMENT REQUIRED
<= 3 FT (1) (2)	ALL	<=1	NONE
		>1, <=3	LOW SHOULDER SIGNS (2 MILE SPACING)
	<45	> 3, <= 18	CHANNELIZING DEVICES PER PLAN SPACING
		>=45	>3, <=12
	<45	> 18, <= 24 FOR <0.5 MILES OR <48 HOURS	CHANNELIZING DEVICES PER PLAN SPACING (4)
		>=45	> 12, <= 18 FOR <0.5 MILES OR <48 HOURS
ALL	>18, <=24	ADJACENT LANE CLOSURE	
	> 24	ADJACENT LANE CLOSURE	
> 3 FT <= 8 FT (3)	ALL	<=1	NONE
		>1, <=3	LOW SHOULDER SIGNS (2 MILE SPACING)
	ALL	> 3, <= 24	CHANNELIZING DEVICES PER PLAN SPACING
> 8 FT TO 13 FT (3)	ALL	> 12, <= 24	CHANNELIZING DEVICES PER PLAN SPACING
		> 24	ADJACENT LANE CLOSURE

(1) CHANNELIZING DEVICES ARE TO BE PLACED AT SAME LEVEL AS TRAVELING LANE OR SHOULDER PROFILE.

(2) CHANNELIZING DEVICES MAY BE PLACED AT THE DROP-OFF ELEVATION TO PRESERVE LANE WIDTH. THE REFLECTIVE AREA AND WARNING LIGHT SHALL BE RAISED TO THE ELEVATION ABOVE THE TRAVELING LANE OR SHOULDER PROFILE AS REQUIRED BY STANDARD 701901.

(3) CHANNELIZING DEVICES ARE TO BE PLACED AT THE SAME LEVEL AS SIDE SLOPE PROFILE TO BE FULLY VISIBLE.

(4) DROP OFFS GREATER THAN 18 IN SHALL NOT BE EXPOSED TO TRAFFIC FOR GREATER THAN 48 HRS.

(5) POSTED REGULATORY SPEED IN WORK ZONE DURING THE WORK ACTIVITY.

MAINTENANCE OF TRAFFIC AND CONSTRUCTION STAGING

PRE-STAGE - WALKUP ROAD NORTH OF REDBIRD LANE

CONSTRUCTION

- FURNISH AND INSTALL TEMPORARY TRAFFIC SIGNALS AT WALKUP/ HILLSIDE ROAD INTERSECTION.
- PROVIDE TEMPORARY SWALES/DITCHES TO MAINTAIN DRAINAGE. INSTALL STORM SEWER AS NECESSARY TO PROVIDE OUTLET DURING STAGE 1 AND PROVIDE EROSION CONTROL.
- PLACE EMBANKMENT FOR BIKE PATH FROM STA 113+00 TO STA 128+00. INSTALL BOX CULVERT EXTENSION AND DRAINAGE AT STA 126+66. PROVIDE EROSION CONTROL.

MAINTENANCE OF TRAFFIC

- MAINTAIN EXISTING TRAFFIC LANES ON WALKUP ROAD AND ALL SIDE ROADS IN ACCORDANCE WITH STANDARD 701306, 701326, 701501 AND THE DETAILS SHOWN ON THE PLANS.

STAGE 1- WALKUP ROAD FROM REDBIRD LANE TO LIVE OAK ROAD

CONSTRUCTION

- CONSTRUCT BIKE PATH ALONG NB WALKUP ROAD STARTING NORTH OF VETERAN ACRES PARK ENTRANCE. OMIT BIKE PATH SECTION FROM STA 113+00 TO STA 128+00. PROVIDE EROSION CONTROL.
- CONSTRUCT RETAINING WALL FROM STA 92+30 TO STA 95+10. PROVIDE EROSION CONTROL.
- CONSTRUCT CURB AND GUTTER, BINDER AND SURFACE COURSES FROM STA 68+61 TO STA 77+53. CONTRACTOR SHALL SCHEDULE CONSTRUCTION SUCH THAT BINDER AND SURFACE COURSE IS COMPLETED WITHIN 14 DAYS OF CURB AND GUTTER CONSTRUCTION UNLESS ANOTHER TIME FRAME IS AUTHORIZED BY THE ENGINEER.

MAINTENANCE OF TRAFFIC

- MAINTAIN EXISTING TRAFFIC LANES AS SHOWN ON THE PLANS AND PROVIDE TRAFFIC CONTROL AND PROTECTION IN ACCORDANCE WITH STANDARD 701006.

STAGE 1- WALKUP ROAD FROM LIVE OAK ROAD TO NORTH LIMIT OF PROJECT

CONSTRUCTION

- CONSTRUCT PAVEMENT WIDENING, CURB AND GUTTER, DRAINAGE STRUCTURES ALONG SOUTHBOUND WALKUP ROAD FROM STA 134+50 TO STA 173+54. COMPLETE THE SAME WORK FOR NORTHBOUND WALKUP ROAD FROM STA 174+50 TO STA 225+00. PROVIDE EROSION CONTROL. NORTHBOUND WALKUP ROAD BETWEEN STA 174+50 TO STA 182+00 NEEDS TO BE COMPLETED PRIOR TO SWITCHING TRAFFIC TO STAGE 1 SUB-STAGE A.

MAINTENANCE OF TRAFFIC

- REMOVE THE EXISTING PAVEMENT MARKINGS AND PROVIDE TEMPORARY PAVEMENT MARKINGS AS SHOWN ON THE PLANS. MAINTAIN THE TRAFFIC LANES ON EXISTING PAVEMENT.

STAGE 1 SUB-STAGE A - WALKUP ROAD FROM LIVE OAK ROAD TO NORTH LIMIT OF PROJECT

CONSTRUCTION

- CONSTRUCT PAVEMENT WIDENING, CURB AND GUTTER, DRAINAGE STRUCTURES ALONG SOUTHBOUND WALKUP ROAD FROM STA 173+54 TO STATION 178+35. CONTINUE THE SAME WORK FOR NORTHBOUND WALKUP ROAD FROM STA 182+00 TO STA 225+00. PROVIDE EROSION CONTROL.

MAINTENANCE OF TRAFFIC

- MAINTAIN TRAFFIC CONTROL PER STAGE I AND REVISE NB AND SB WALKUP ROAD TRAFFIC CONTROL PER SHEET NO. 55.

STAGE 2- WALKUP ROAD FROM LIVE OAK ROAD TO NORTH LIMIT OF PROJECT

CONSTRUCTION

- CONSTRUCT REMAINING PAVEMENT WIDENING, CURB AND GUTTER, DRAINAGE STRUCTURES ALONG NORTHBOUND WALKUP ROAD FROM STA 134+50 TO STA 174+50. COMPLETE THE SAME WORK FOR SB WALKUP ROAD FROM STA 173+54 TO STA 225+00. PROVIDE EROSION CONTROL.
- CONSTRUCT PERMANENT TRAFFIC SIGNALS AND LIGHTING.
- CONSTRUCT REMAINING PORTIONS OF BIKE PATH ALONG NB WALKUP ROAD BETWEEN STA 113+00 TO STA 128+00.

MAINTENANCE OF TRAFFIC

- REMOVE THE EXISTING AND TEMPORARY PAVEMENT MARKINGS AND PROVIDE TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS. SHIFT THE TRAFFIC ONTO THE NEW PAVEMENT WIDENING AND EXISTING PAVEMENT.

STAGE 3- WALKUP ROAD FROM LIVE OAK ROAD TO NORTH LIMIT OF PROJECT

CONSTRUCTION

- MILL EXISTING PAVEMENT AT VARIOUS LOCATIONS AS DIRECTED BY THE ENGINEER BETWEEN STA 133+96 AND THE END OF THE PROJECT LIMITS.
- CONSTRUCT BINDER COURSE FROM STA 133+96 TO END OF PROJECT LIMITS. PLACE SHORT TERM PAVEMENT MARKING.
- CONSTRUCT SURFACE COURSE FROM STA 133+96 TO END OF PROJECT LIMITS. PLACE PERMANENT PAVEMENT MARKING AND FINAL LANDSCAPING.

MAINTENANCE OF TRAFFIC

- ESTABLISH TRAFFIC CONTROL IN ACCORDANCE WITH STANDARD 701502.

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

MAINTENANCE OF TRAFFIC GENERAL NOTES

SCALE: N.T.S.

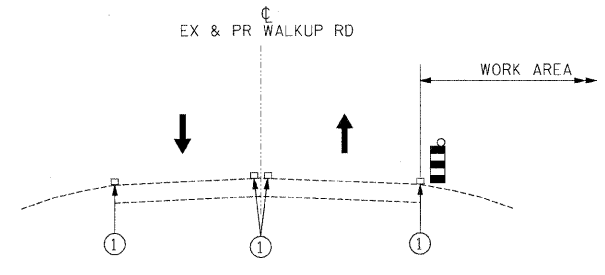
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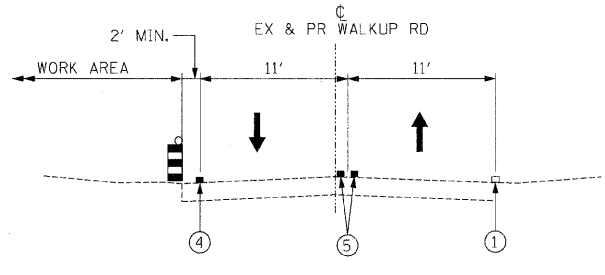
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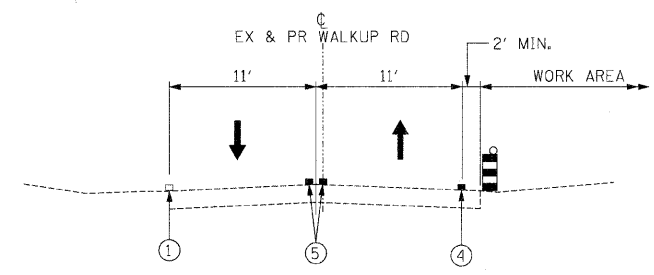
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
205 N. MICHIGAN AVE., CHICAGO, IL 60601
TELEPHONE: 312/658-0000



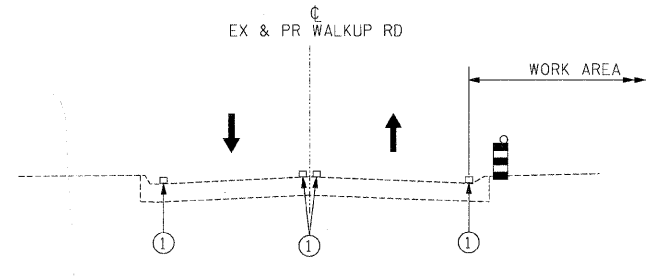
MOT TYPICAL SECTION
STAGE 1
STA 66+00 TO STA 77+54



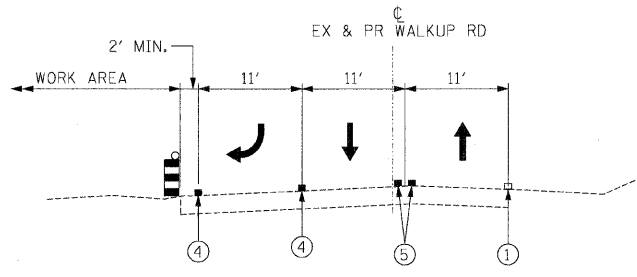
MOT TYPICAL SECTION
STAGE 1
STA 134+72.33 TO STA 151+20.88
STA 154+60.12 TO STA 170+00.00



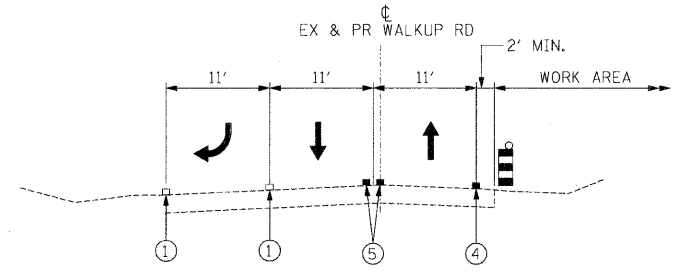
MOT TYPICAL SECTION
STAGE 1
STA 174+50.00 TO STA 190+76.24
STA 193+52.00 TO STA 202+00.00



MOT TYPICAL SECTION
STAGE 1
STA 77+54 TO STA 134+72.33



MOT TYPICAL SECTION
STAGE 1
STA 151+20.88 TO STA 154+60.12



MOT TYPICAL SECTION
STAGE 1
STA 190+76.24 TO STA 193+52.00

LEGEND:

- | | | | |
|--|--|---|--|
| | VERTICAL PANEL W/BI-DIRECTIONAL STEADY BURNING LIGHT | ① | EXISTING PAVEMENT MARKING |
| | DRUM W/BI-DIRECTIONAL STEADY BURNING LIGHT | ② | TEMPORARY PAVEMENT |
| | DIRECTION OF TRAFFIC | ③ | TEMPORARY AGGREGATE SHOULDER |
| | | ④ | TEMPORARY PAVEMENT MARKING - 4" (WHITE) |
| | | ⑤ | TEMPORARY PAVEMENT MARKING - 4" (YELLOW) |
| | | ⑥ | PROPOSED PAVEMENT MARKING |

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

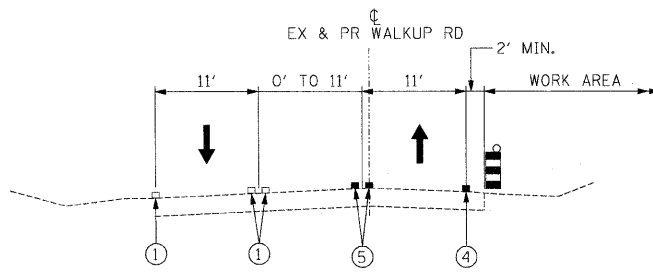
**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS
STAGE 1**

SCALE: N.T.S. DRAWN BY: BRH
DATE: 08/17/09 CHECKED BY: KA

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
205 N. MICHIGAN AVE., CHICAGO, IL 60601
TELEPHONE: 312/616-0000

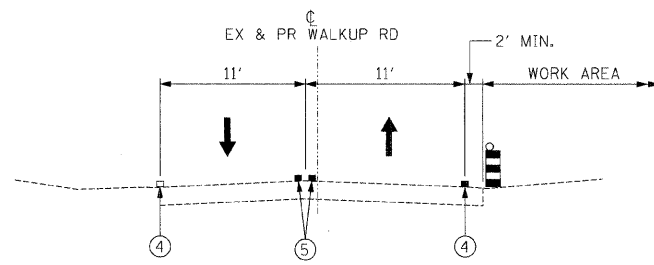
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO: 63266				



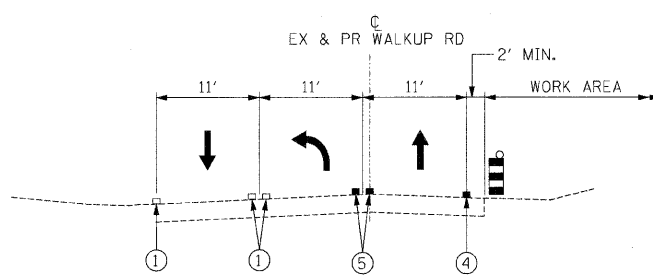
MOT TYPICAL SECTION

STAGE 1
 STA 202+00.00 TO STA 206+43.02
 STA 208+49.26 TO STA 211+43.26



MOT TYPICAL SECTION

STAGE 1
 STA 211+43.26 TO STA 227+00



MOT TYPICAL SECTION

STAGE 1
 STA 206+43.02 TO STA 207+94.76

LEGEND:

- VERTICAL PANEL W/BI-DIRECTIONAL STEADY BURNING LIGHT
- DRUM W/BI-DIRECTIONAL STEADY BURNING LIGHT
- DIRECTION OF TRAFFIC
- ① EXISTING PAVEMENT MARKING
- ② TEMPORARY PAVEMENT
- ③ TEMPORARY AGGREGATE SHOULDER
- ④ TEMPORARY PAVEMENT MARKING - 4" (WHITE)
- ⑤ TEMPORARY PAVEMENT MARKING - 4" (YELLOW)
- ⑥ PROPOSED PAVEMENT MARKING

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
 WALKUP ROAD F.A.U. 0085

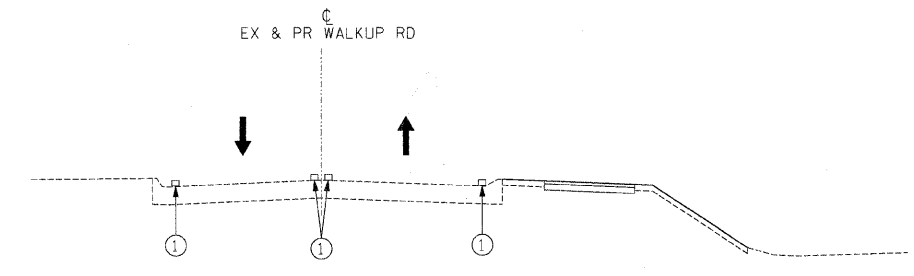
**MAINTENANCE OF TRAFFIC
 TYPICAL SECTIONS
 STAGE 1**

SCALE: N.T.S. DRAWN BY: BRH
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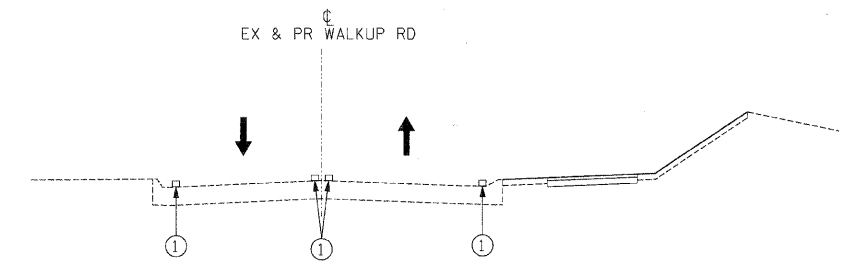
TENG TENG & ASSOCIATES, INC.
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 205 N. MICHIGAN AVE., CHICAGO, IL 60601
 TELEPHONE: 312/616-0000

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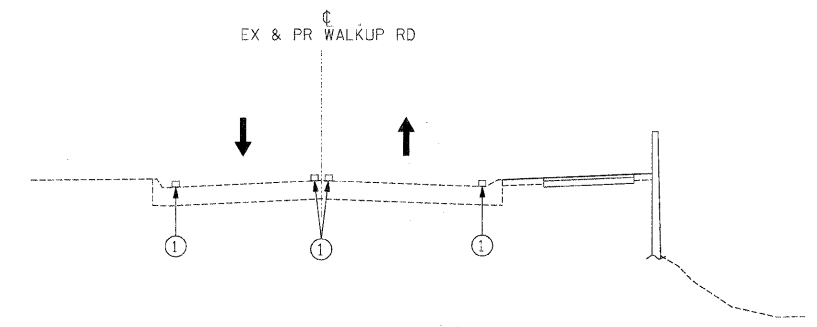
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STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO: 63266				



MOT TYPICAL SECTION
 STAGE 2
 STA 65+00 TO STA 134+72.33 (IN FILL AREAS)






MOT TYPICAL SECTION
 STAGE 2
 STA 65+00 TO STA 134+72.33 (IN CUT AREAS)



MOT TYPICAL SECTION
 STAGE 2
 STA 81+53.97 TO STA 134+72.33 (WITH RETAINING WALL)

LEGEND:

- | | | | |
|---|--|---|--|
|  | VERTICAL PANEL W/BI-DIRECTIONAL STEADY BURNING LIGHT | ① | EXISTING PAVEMENT MARKING |
|  | DRUM W/BI-DIRECTIONAL STEADY BURNING LIGHT | ② | TEMPORARY PAVEMENT |
|  | DIRECTION OF TRAFFIC | ③ | TEMPORARY AGGREGATE SHOULDER |
| | | ④ | TEMPORARY PAVEMENT MARKING - 4" (WHITE) |
| | | ⑤ | TEMPORARY PAVEMENT MARKING - 4" (YELLOW) |
| | | ⑥ | PROPOSED PAVEMENT MARKING |

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
 WALKUP ROAD F.A.U. 0085

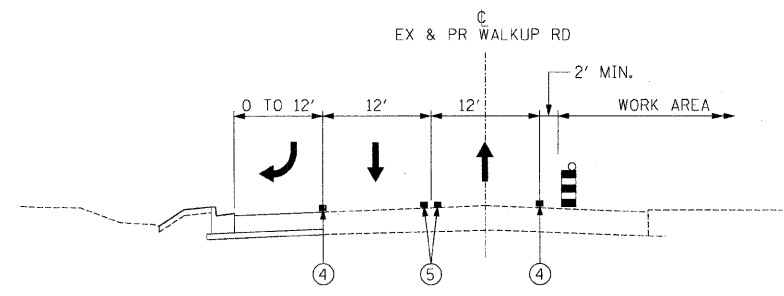
**MAINTENANCE OF TRAFFIC
 TYPICAL SECTIONS
 STAGE 2**

SCALE: N.T.S. DRAWN BY: BRH
 DATE: 06/17/09 CHECKED BY: KA

TENG TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 205 N. MICHIGAN AVE. - CHICAGO, IL 60601
 TELEPHONE: 312/451-0000

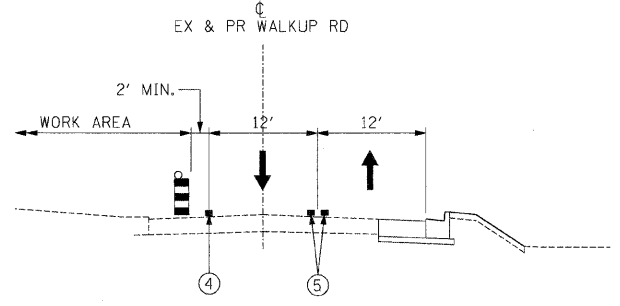
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
CONTRACT NO: 63266				



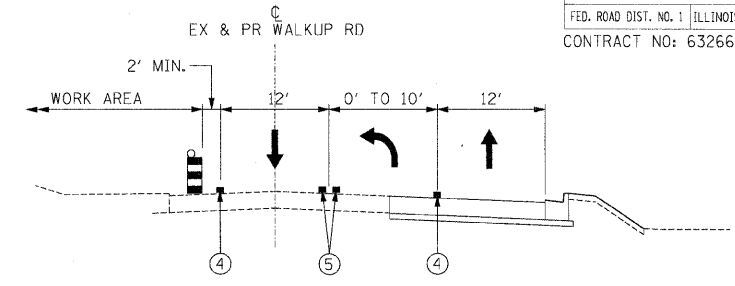
MOT TYPICAL SECTION

STAGE 2
 STA 135+22.30 TO STA 138+90.63
 STA 152+30.21 TO STA 156+13.30



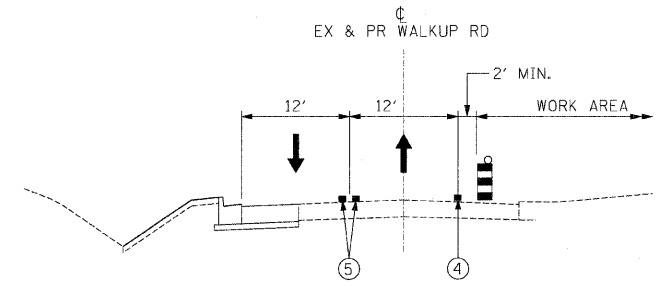
MOT TYPICAL SECTION

STAGE 2
 STA 182+45.40 TO STA 186+04.61
 STA 193+52.01 TO STA 201+03.73
 STA 217+85.00 TO STA 226+00.00



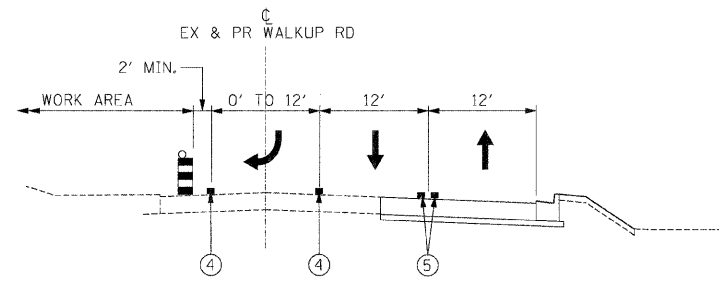
MOT TYPICAL SECTION

STAGE 2
 STA 205+22.05 TO STA 207+94.76



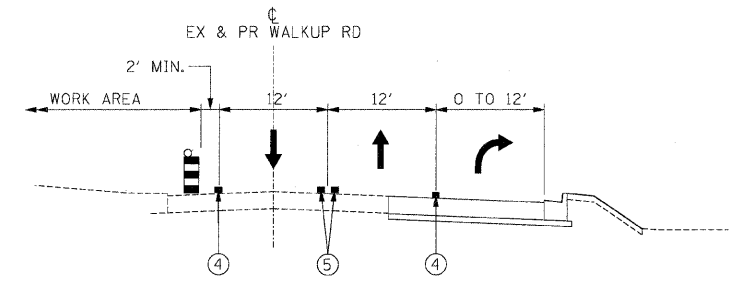
MOT TYPICAL SECTION

STAGE 2
 STA 138+90.63 TO STA 152+30.21
 STA 156+13.30 TO STA 174+91.75



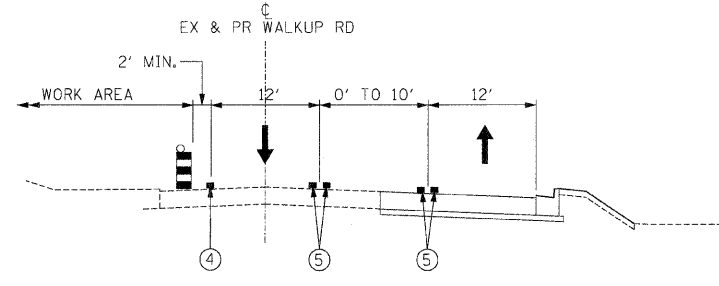
MOT TYPICAL SECTION

STAGE 2
 STA 191+05.23 TO STA 193+52.01



MOT TYPICAL SECTION

STAGE 2
 STA 177+61.75 TO STA 181+63.52
 STA 186+04.61 TO STA 189+84.87
 STA 212+82.44 TO STA 216+38.08



MOT TYPICAL SECTION

STAGE 2
 STA 201+03.73 TO STA 205+22.05
 STA 209+11.10 TO STA 212+82.44

LEGEND:

- VERTICAL PANEL W/BI-DIRECTIONAL STEADY BURNING LIGHT
- DRUM W/BI-DIRECTIONAL STEADY BURNING LIGHT
- DIRECTION OF TRAFFIC
- EXISTING PAVEMENT MARKING
- TEMPORARY PAVEMENT
- TEMPORARY AGGREGATE SHOULDER
- TEMPORARY PAVEMENT MARKING - 4" (WHITE)
- TEMPORARY PAVEMENT MARKING - 4" (YELLOW)
- PROPOSED PAVEMENT MARKING

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
 WALKUP ROAD F.A.U. 0085

**MAINTENANCE OF TRAFFIC
 TYPICAL SECTIONS
 STAGE 2**

SCALE: N.T.S. DRAWN BY: BRH
 DATE: 08/17/09 CHECKED BY: KA

TENG
 TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 205 N. MICHIGAN AVE., CHICAGO, IL 60601
 TELEPHONE: 312/416-0000

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	60
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO: 63266				

EROSION AND SEDIMENT CONTROL GENERAL NOTES

1. THE WORK DESCRIBED ON THESE DRAWINGS ARE AN INTEGRAL PART OF THE STORM WATER POLLUTION PREVENTION PLAN THAT IS DESIGNED TO COMPLY WITH THE CONTIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER PERMIT FOR CONSTRUCTION SITE ACTIVITIES.
2. THE PURPOSE OF THE EROSION AND SEDIMENT CONTROL MEASURES INCLUDED FOR THIS PROJECT IS TO LIMIT THE SEDIMENT POLLUTION IMPACT, OF ANY STORM WATER DISCHARGES THAT ORIGINATE ON THIS SITE OR OFF-SITE FLOWS THAT FLOW OVER THE DISTURBED AREAS, ON DOWNSTREAM AREAS.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT SEDIMENT TRANSPORT OFF THE SITE IS REDUCED BY A COMBINATION OF MINIMIZATION OF EROSION AT THE SOURCE AND INSTALLATION OF SPECIFIC MEASURES TO CONTROL OR REDUCE THE TRANSPORT OF SEDIMENT. A COPY OF THE EROSION AND SEDIMENT CONTROL SCHEDULE BEING IMPLEMENTED BY THE CONTRACTOR WILL BE ON THE CONSTRUCTION SITE AT ALL TIMES.
4. ALL RUNOFF ORIGINATING ON DISTURBED AREAS ASSOCIATED WITH THIS PROJECT WILL PASS THROUGH ONE OR MORE MEASURES THAT WILL MINIMIZE THE OFF-SITE SEDIMENT IMPACTS OF THE CONSTRUCTION ACTIVITY.
5. ALL PERMANENT STORM WATER DETENTION BASINS SHALL BE CONSTRUCTED, FOR THE PORTION OF THE SITE THAT IS WITHIN THE DRAINAGE AREA OF THE DETENTION BASIN, BEFORE CLEARING AND TOPSOIL STRIPPING OF THE REMAINDER OF THAT PORTION OF THE SITE PROCEEDS.
6. DISTURBED AREAS ARE TO BE PROTECTED FROM EROSION IN A TIMELY MANNER. UPON COMPLETION OF GRADING OR CONSTRUCTION, THE AREA SHALL BE STABILIZED (USING PERMANENT MEASURES WHEN POSSIBLE) WITHIN 7 CALENDAR DAYS.
7. WHEN THE CONTRACTOR REQUESTS A CHANGE TO POSTPONE COMPLETION OF THE EXCAVATION OF A SPECIFIC AREA AS A CONTINUOUS OPERATION AND PLACING THE TOPSOIL AS DEFINED IN THE STANDARD SPECIFICATIONS, THE ENGINEER MAY ALLOW THE CONTRACTOR TO STABILIZE THE AREA USING TEMPORARY STABILIZATION WITH STRAW MULCH PROVIDING THE FOLLOWING CONDITIONS ARE MET:
 (A) ALL AREAS BEING STABILIZED ARE 3:1 SLOPES OR FLATTER.
 (B) THE CONTRACTOR BEARS THE COST OF PREPARING THE SEED BED AND STABILIZING THE AREA WITH TEMPORARY STABILIZATION WITH STRAW MULCH.
 (C) ALL REQUIRED SEDIMENT CONTROL MEASURES FOR THE SECTION OF ROAD IN QUESTION HAVE BEEN INSTALLED ARE BEING MAINTAINED.
8. TOPSOIL WILL BE PLACED ON FINAL SLOPES WHICH WILL NOT BE DISTURBED BY FUTURE CONSTRUCTION. TOPSOIL WILL NOT BE PLACED ON SURFACES WHICH WILL BE PAVED IN THE FUTURE, NOR ON TEMPORARILY STEEP SLOPES.
9. THE RESIDENT ENGINEER SHALL HAVE FINAL DETERMINATION OF THE PLACEMENT AND LOCATION OF THE PERIMETER EROSION BARRIER.
10. SEE EROSION AND SEDIMENT CONTROL PLANS FOR PLACEMENT OF ALL EROSION AND SEDIMENT CONTROL PAY ITEMS.
11. SEE DRAINAGE PLAN & PROFILE SHEETS FOR FINAL DRAINAGE STRUCTURE, STORM SEWER AND PIPE CULVERT INFORMATION.
12. SEE DRAINAGE PLAN & PROFILE SHEETS FOR INFORMATION CONCERNING THE REMOVAL, ADJUSTMENT, RECONSTRUCTION, ETC. OF EXISTING STRUCTURE AND PIPES.
13. ONE DITCH CHECK SHALL BE PLACED FOR EACH ONE FOOT DROP IN THE DITCH LINE ELEVATION AND TWO DITCH CHECKS SHALL BE PLACED APPROACHING INLETS AND PIPES.
14. THE COST OF STABILIZED CONSTRUCTION ENTRANCES REQUIRED TO PREVENT THE TRACKING OF SEDIMENTS ONTO ROADWAYS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION.

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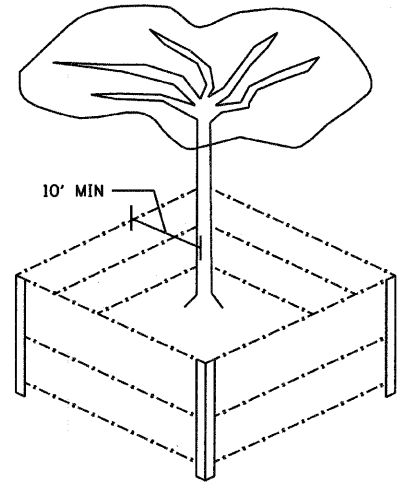
REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
 WALKUP ROAD F.A.U. 0085
**EROSION & SEDIMENT CONTROL
 GENERAL NOTES**

SCALE: N.T.S. DRAWN BY: LAK
 DATE: 12/01/09 CHECKED BY: TKL

TENG
TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 205 N. MICHIGAN AVE. CHICAGO, IL 60601
 TELEPHONE: 312/616-0000

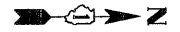
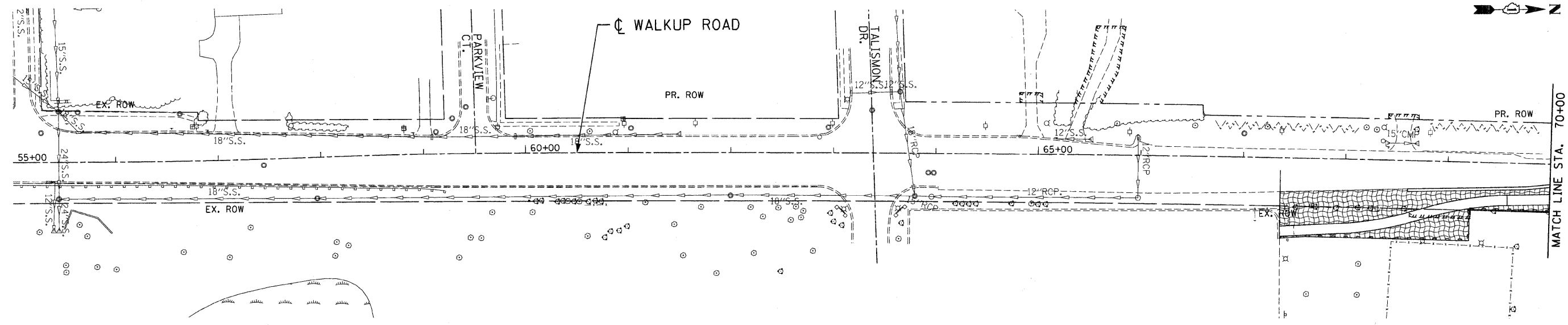
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	61
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO: 63266				



TREE TRUNK PROTECTION FOR MEDIUM AND LARGE TREES

LEGEND SEE SCHEDULE OF QUANTITIES FOR EROSION & SEDIMENT CONTROL DETAILS

	TREE TRUNK PROTECTION		INLET FILTER
	INLET AND PIPE PROTECTION		DRAINAGE OUTLET
	TEMPORARY EROSION CONTROL SEEDING		TEMPORARY DITCH CHECKS, URETHANE FOAM/ GEOTEXTILE
	WETLAND		PERIMETER EROSION BARRIER
			TEMPORARY SEDIMENT BASIN (5'W X 10'L X 2'D)



REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

EROSION & SEDIMENT CONTROL
WALKUP ROAD
STA 55+00 TO STA 70+00

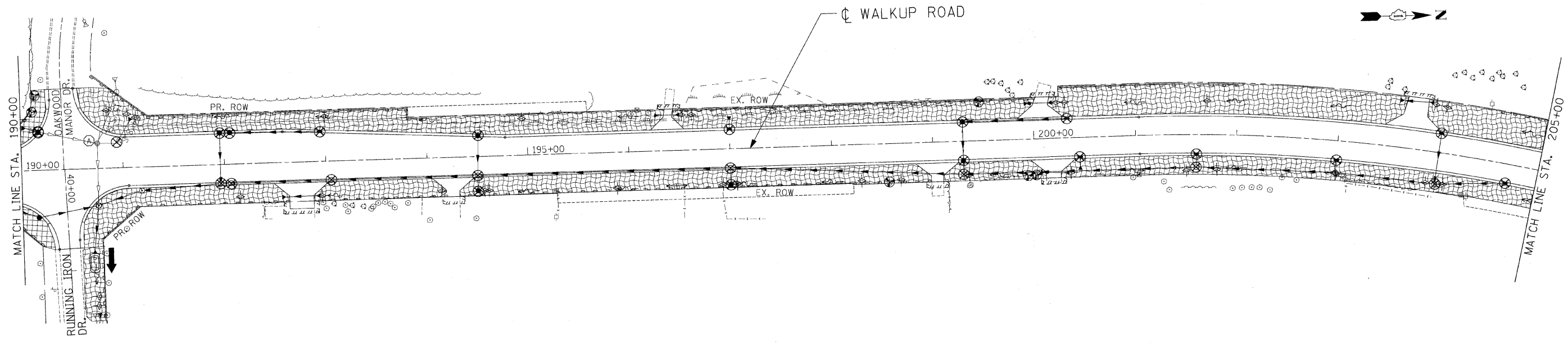
SCALE: 1" = 50'
DATE: 12/01/09

DRAWN BY: LAK
CHECKED BY: TKL

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
205 N. MICHIGAN AVE. CHICAGO, IL 60601
TELEPHONE: 312/616-0000

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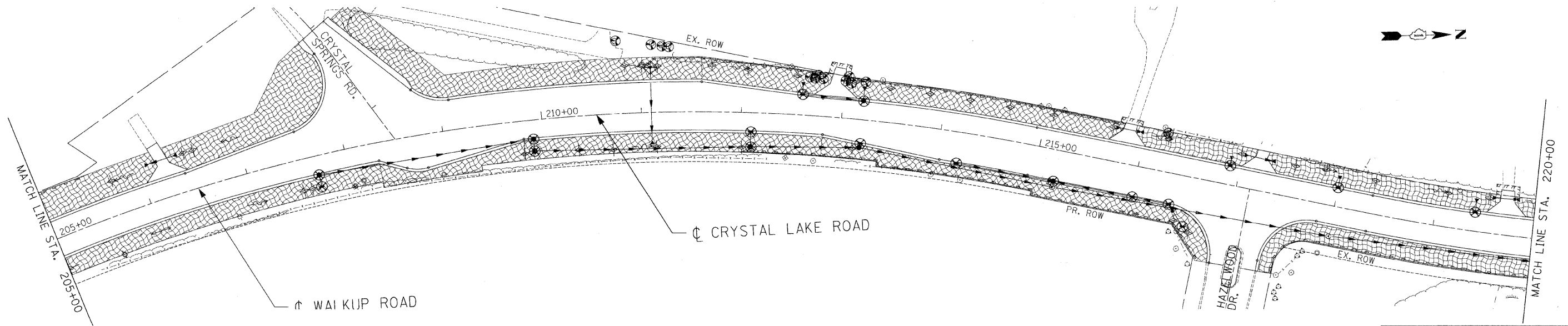
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	66
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO: 63266				



LEGEND

SEE SCHEDULE OF QUANTITIES FOR EROSION & SEDIMENT CONTROL DETAILS

- | | | | |
|--|---------------------------|--|---|
| | TREE TRUNK PROTECTION | | INLET FILTER |
| | INLET AND PIPE PROTECTION | | DRAINAGE OUTLET |
| | TEMPORARY EROSION CONTROL | | TEMPORARY DITCH CHECKS, URETHANE FOAM/ GEOTEXTILE |
| | SEEDING | | PERIMETER EROSION BARRIER |
| | WETLAND | | TEMPORARY SEDIMENT BASIN (5'W X 10'L X 2'D) |



REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

EROSION & SEDIMENT CONTROL
WALKUP ROAD
STA 190+00 TO STA 220+00

SCALE: 1" = 50'
DATE: 08/17/09

DRAWN BY: LAK
CHECKED BY: TKL

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
205 N. MICHIGAN AVE., CHICAGO, IL 60601
TELEPHONE: 312/618-0000

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085 00-00246-01-PP	MCHENRY	ILLINOIS	236	68
STA.	TO STA.		FED. AID PROJECT	
FED. ROAD DIST. NO. 1	ILLINOIS		CONTRACT NO: 63266	

STRUCT. NO.	DESCRIPTION	BASELINE			INVERTS				PIPE CONNECTIONS (PIPE NO. - PIPE SIZE)				PROP RIM ELEV	SHEET NO.	INLET FILTER	UNDERDRAIN CONNECTION
		STATION	OFFSET (F)	DIR.	NORTH	SOUTH	EAST	WEST	NORTH	SOUTH	EAST	WEST				
701	CB TA 4 DIA T24F&G	70+25	20.5	RT	924.34	--	--	--	701 - DIA 12"	--	--	--	927.21	74	YES	--
708	CB TA 4 DIA T24F&G	72+15	20.3	RT	923.65	923.65	--	--	707 - DIA 12"	701 - DIA 12"	--	--	926.49	74	YES	--
711	CB TA 4 DIA T24F&G	73+71	20.3	RT	923.04	923.04	--	--	710 - DIA 12"	707 - DIA 12"	--	--	926.16	74	YES	--
714	CB TA 4 DIA T24F&G	73+81	20.3	RT	923.01	923.01	--	--	713 - DIA 12"	710 - DIA 12"	--	--	926.12	74	YES	--
716	CB TA 4 DIA T24F&G	74+58	19.6	RT	922.80	922.80	--	--	716 - DIA 15"	713 - DIA 12"	--	--	926.23	74	YES	--
753	PRC FLAR END SEC 15	76+00	38.0	RT	--	--	--	922.35	--	--	752 - DIA 15"	--	--	74	--	--
754	CB TA 4 DIA T24F&G	76+00	15.7	RT	--	922.42	922.42	--	--	716 - DIA 15"	752 - DIA 15"	--	926.77	74	YES	--
761	PRCF END S EL EQRS 30	76+08	39.0	RT	--	--	--	922.35	--	--	760 - DIA 24"	--	--	74	--	--
800	CB TC T8G	83+67	41.0	RT	--	--	--	922.70	--	--	EP - DIA 12"	800 - DIA 12"	926.30	74	YES	--
801	EX CB TA 4 DIA T1F OL	83+67	30.5	RT	--	921.85	921.90	--	--	EP - DIA 15"	800 - DIA 12"	--	927.79	74	--	--
1000	CB TC T8G	108+35	38.0	RT	868.00	--	--	--	1000 - DIA 12"	--	--	--	873.90	76	YES	--
1002	MAN TA 4 DIA T1F CL	109+00	32.5	RT	--	867.50	--	864.50	--	1000 - DIA 12"	--	1000 - DIA 12"	870.76	76	--	--
1050	INLETS TA T24F&G	102+83	72.9	RT	--	908.00	--	--	--	1050 - DIA 12"	--	--	910.50	76	YES	--
1051	CB TA 4 DIA T1F OL	102+42	66.5	RT	907.80	--	--	907.80	1050 - DIA 12"	--	--	1051 - DIA 12"	912.35	76	YES	--
1150	PRC FLAR END SEC 12	112+87	50.0	RT	846.50	--	--	--	1150 - DIA 12"	--	--	--	--	76	--	--
1151	PRC FLAR END SEC 12	113+15	50.0	RT	--	845.20	--	--	--	1150 - DIA 12"	--	--	--	76	--	--
1200	CIP RC END SEC DBL 60	126+75	47.5	RT	--	--	--	831.10	--	--	1200&1201-DIA 60"	--	--	77	--	--
1202	CB TA 5 DIA T1F CL	126+48	38.3	RT	833.47	833.47	--	--	1203 - DIA 36"	EP - DIA 30"	--	--	840.80	77	--	--
1203	R C PIPE TEE 60P 36R	126+68	40.0	RT	--	831.17	831.17	--	--	1203 - DIA 36"	1200 - DIA 60"	EP - DIA 60"	--	77	--	--
1300	CB TA 4 DIA T24F&G	134+93	40.7	LT	838.00	--	838.00	840.00	1302 - DIA 24"	--	1300 - DIA 24"	1301 - DIA 12"	844.84	78	YES	--
1301	INLETS TA T8G	134+99	48.3	LT	--	--	840.10	--	--	--	1301 - DIA 12"	--	842.50	78	YES	--
1302	CB TA 5 DIA T1F CL	134+93	28.8	LT	--	--	839.88	837.50	--	--	EP - DIA 12"	1300 - DIA 24"	845.18	78	--	--
1303	CB TA 5 DIA T1F CL	136+00	34.0	LT	843.00	839.00	841.90	--	1303 - DIA 24"	1302 - DIA 24"	1310 - DIA 12"	--	847.34	78	--	--
1304	DRYWELL	138+40	29.0	LT	848.60	846.00	--	--	1304 - DIA 24"	1303 - DIA 24"	--	--	855.50	78	--	--
1305	CB TA 4 DIA T1F OL	138+50	29.0	LT	851.00	848.65	851.00	--	1308 - DIA 24"	1304 - DIA 24"	1305 - DIA 12"	--	855.00	78	YES	--
1306	CB TA 4 DIA T24F&G	138+50	21.2	LT	--	--	851.30	851.26	--	--	1306 - DIA 12"	1305 - DIA 12"	856.38	78	YES	--
1307	INLETS TA T24F&G	138+51	25.8	RT	--	--	--	851.80	--	--	--	1307 - DIA 12"	856.32	78	YES	--
1309	CB TA 4 DIA T24F&G	136+00	31.0	LT	--	--	842.00	842.00	--	--	1309 - DIA 12"	1310 - DIA 12"	847.56	78	YES	--
1400	CB TA 5 DIA T1F CL	140+37	23.6	LT	857.50	856.00	860.00	--	1402 - DIA 24"	1308 - DIA 24"	1400 - DIA 12"	--	864.08	78	--	--
1401	CB TA 4 DIA T24F&G	140+37	19.0	LT	--	--	860.20	860.05	--	--	1401 - DIA 12"	1400 - DIA 12"	864.04	78	YES	--
1402	INLETS TA T24F&G	140+37	31.0	RT	--	--	--	860.80	--	--	--	1401 - DIA 12"	863.80	78	YES	--
1403	CB TA 5 DIA T1F CL	142+25	23.6	LT	863.50	861.50	864.90	--	1417 - DIA 12"	1402 - DIA 24"	1403 - DIA 12"	--	869.67	78	--	--
1404	CB TA 4 DIA T24F&G	142+25	19.0	LT	--	--	864.00	865.00	--	--	1404 - DIA 12"	1403 - DIA 12"	869.63	78	YES	--
1405	CB TA 4 DIA T24F&G	142+25	19.0	RT	--	865.80	--	864.50	--	1418 - DIA 12"	--	1404 - DIA 12"	869.63	78	YES	--
1406	CB TA 5 DIA T1F CL	143+90	23.6	LT	867.00	863.00	867.95	--	1408 - DIA 18"	1405 - DIA 24"	1406 - DIA 12"	--	871.97	78	--	--
1407	CB TA 4 DIA T24F&G	143+90	19.0	LT	--	--	868.00	868.00	--	--	1407 - DIA 12"	1406 - DIA 12"	871.97	78	YES	--
1408	INLETS TA T24F&G	143+90	19.0	RT	--	--	--	868.60	--	--	--	1407 - DIA 12"	871.97	78	YES	--
1409	MAN TA 5 DIA T1F CL	146+30	23.6	LT	869.00	869.00	869.61	--	1411 - DIA 18"	1408 - DIA 18"	1409 - DIA 12"	--	873.38	79	--	--
1410	CB TA 4 DIA T24F&G	146+30	19.0	LT	--	--	869.65	869.65	--	--	1410 - DIA 12"	1409 - DIA 12"	873.34	79	YES	--
1411	INLETS TA T24F&G	146+30	19.0	RT	--	--	--	870.05	--	--	--	1410 - DIA 12"	873.34	79	YES	--
1412	MAN TA 5 DIA T1F CL	147+30	23.6	LT	870.00	870.00	870.20	--	1414 - DIA 18"	1411 - DIA 18"	1412 - DIA 12"	--	874.24	79	--	--
1413	CB TA 4 DIA T24F&G	147+30	19.0	LT	--	--	870.50	870.25	--	--	1413 - DIA 12"	1412 - DIA 12"	874.27	79	YES	--
1414	INLETS TA T24F&G	147+30	19.9	RT	--	--	--	871.10	--	--	--	1413 - DIA 12"	874.25	79	YES	--
1415	MAN TA 4 DIA T1F CL	149+90	23.6	LT	872.50	872.00	874.00	--	1500 - DIA 18"	1414 - DIA 18"	1415 - DIA 12"	--	878.58	79	--	--
1416	CB TA 4 DIA T24F&G	149+90	19.0	LT	--	--	874.50	874.25	--	--	1416 - DIA 12"	1415 - DIA 12"	878.54	79	YES	--
1417	INLETS TA T24F&G	149+90	31.0	RT	--	--	--	875.00	--	--	--	1416 - DIA 12"	878.30	79	YES	--
1418	INLETS TA T8G	142+85	38.0	LT	--	863.80	--	--	--	1417 - DIA 12"	--	--	866.40	78	YES	--
1419	INLETS TA T8G	142+00	38.3	RT	866.00	--	--	--	1418 - DIA 12"	--	--	--	869.25	78	YES	--
1500	CB TA 4 DIA T1F OL	151+00	46.2	LT	--	873.50	874.50	--	--	1500 - DIA 18"	1533 - DIA 18"	--	878.30	79	YES	--
1501	CB TA 4 DIA T1F OL	152+20	41.8	LT	876.50	876.00	876.80	--	1505 - DIA 12"	1501 - DIA 18"	1502 - DIA 15"	--	881.20	79	YES	--
1502	CB TA 4 DIA T24F&G	152+20	32.1	LT	--	--	876.90	876.90	--	--	1503 - DIA 15"	1502 - DIA 15"	882.31	79	YES	--
1503	CB TA 4 DIA T24F&G	152+20	30.8	RT	--	--	877.20	877.20	--	--	1504 - DIA 12"	1503 - DIA 15"	882.34	79	YES	--
1504	CB TA 4 DIA T1F OL	152+20	45.0	RT	--	877.30	--	877.30	--	1532 - DIA 12"	--	1504 - DIA 12"	881.24	79	YES	--
1505	CB TA 4 DIA T24F&G	153+45	31.0	LT	--	878.50	878.60	--	--	1505 - DIA 12"	1506 - DIA 12"	--	883.79	79	YES	--
1506	INLETS TA T24F&G	153+45	19.0	RT	--	--	--	879.00	--	--	--	1506 - DIA 12"	884.03	79	YES	--
1507	PRC FLAR END SEC 12	157+05	28.9	LT	--	--	879.48	--	--	--	1507 - DIA 12"	--	79	--	--	
1508	CB TA 4 DIA T24F&G	157+05	19.0	LT	--	--	879.60	879.60	--	--	1508 - DIA 12"	1507 - DIA 12"	882.95	79	YES	--
1509	INLETS TA T24F&G	157+05	19.0	RT	--	--	--	879.80	--	--	--	1508 - DIA 12"	882.95	79	YES	--
1510	PRC FLAR END SEC 12	159+05	26.6	LT	--	--	877.80	--	--	--	1509 - DIA 12"	--	79	--	--	
1511	CB TA 4 DIA T24F&G	159+05	19.0	LT	--	--	877.87	877.87	--	--	1510 - DIA 12"	1509 - DIA 12"	880.90	79	YES	--
1512	INLETS TA T24F&G	159+05	19.0	RT	--	--	--	878.07	--	--	--	1510 - DIA 12"	880.90	79	YES	--
1513	PRC FLAR END SEC 15	157+20	31.0	RT	880.55	--	--	--	1511 - DIA 15"	--	--	--	79	--	--	
1514	PRC FLAR END SEC 15	157+40	30.5	RT	--	880.45	--	--	--	1511 - DIA 15"	--	--	79	--	--	
1530	INLETS TA T24F&G	151+35	90.9	RT	877.85	--	--	--	1531 - DIA 12"	--	--	--	880.74	79	YES	--
1531	CB TA 4 DIA T24F&G	151+73	89.2	RT	--	877.65	--	877.65	--	1531 - DIA 12"	--	1530 - DIA 12"	880.93	79	YES	--
1532	CB TA 4 DIA T1F OL	152+03	45.0	RT	877.40	--	877.40	--	1532 - DIA 12"	--	1530 - DIA 12"	--	881.10	79	YES	--
1533	CB TA 4 DIA T24F&G	151+00	34.8	LT	875.00	--	--	874.60	1501 - DIA 18"	--	--	1533 - DIA 18"	880.17	79	YES	--
1600	CB TA 4 DIA T1F OL	160+87	32.0	LT	873.00	--	--	873.00	1600 - DIA 18"	--	--	1599 - DIA 18"	876.00	80	YES	--
1601	CB TA 4 DIA T1F CL	161+37	34.0	LT	872.00	872.50	873.60	--	1603 - DIA 18"	1600 - DIA 18"	1601 - DIA 12"	--	877.00	80	--	--
1602	CB TA 4 DIA T24F&G	161+37	19.0	LT	--	--	874.10	874.10	--	--	1602 - DIA 12"	1601 - DIA 12"	878.53	80	YES	--
1603	INLETS TA T24F&G	161+37	19.0	RT	--	--	--	875.00	--	--	--	1602 - DIA 12"	878.53	80	YES	--
1604	PRC FLAR END SEC 18	163+44	38.6	LT	--	870.90	--	--	--	1603 - DIA 18"	--	--	80	--	--	
1605	PRC FLAR END SEC 12	164+05	31.2	LT	--	--	870.40	--	--	--	1604 - DIA 12"	--	80	--	--	
1606	CB TA 4 DIA T24F&G	164+05	19.0	LT	--	--	872.00	871.85	--	--	1605 - DIA 12"	1604 - DIA 12"	875.78	80	YES	--
1607	INLETS TA T24F&G	164+05	19.0	RT	--	--	--	872.50	--	--	--	1605 - DIA 12"	875.78	80	YES	--
1608	PRC FLAR END SEC 18	166+18	31.8	LT	--	--	868.80	--	--	--	1606 - DIA 18"	--	80	--	--	
1609	CB TA 4 DIA T24F&G	166+18	19.0	LT	--	--	867.80	867.80	--	--	1607 - DIA 30"	1616 - DIA 30"	874.50	80	YES	--
1610	CB TA 4 DIA T24F&G	166+18	29.2	RT	--	--	867.30	867.30	--	--	1608 - DIA 30"	1607 - DIA 30"	874.29	80	YES	--

RECONSTRUCT EXISTING CB DS-0801,
BOLT PROPOSED TYPE 1 F&G CLOSED LID

EP = CONNECT TO EXISTING PIPE

ES = CONNECT TO EXISTING STRUCTURE

REVISIONS	
NAME	DATE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	69
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO: 63266				

STRUCT. NO.	DESCRIPTION	BASELINE			INVERTS				PIPE CONNECTIONS (PIPE NO. - PIPE SIZE)				PROP RIM ELEV.	SHEET NO.	INLET FILTER	UNDERDRAIN CONNECTION
		STATION	OFFSET (FT)	DIR.	NORTH	SOUTH	EAST	WEST	NORTH	SOUTH	EAST	WEST				
1611	PRC FLAR END SEC 30	166+18	46.0	RT	--	--	--	867.00	--	--	--	1608 - DIA 30"	--	80	--	--
1612	PRC FLAR END SEC 12	167+75	27.5	LT	--	--	869.47	--	--	--	1609 - DIA 12"	--	80	--	--	
1613	INLETS TA T24F&G	167+75	19.0	LT	--	--	--	869.60	--	--	--	1609 - DIA 12"	873.78	80	YES	--
1614	INLETS TA T24F&G	167+53	31.0	RT	--	--	868.00	--	--	--	1610 - DIA 12"	--	873.64	80	YES	--
1615	PRC FLAR END SEC 12	167+53	45.0	RT	--	--	--	867.66	--	--	--	1610 - DIA 12"	--	80	--	--
1616	PRC FLAR END SEC 12	168+60	27.0	LT	--	--	--	869.89	--	--	--	1611 - DIA 12"	--	80	--	--
1617	INLETS TA T24F&G	168+60	19.0	LT	--	--	--	870.00	--	--	--	1611 - DIA 12"	873.56	80	YES	YES
1618	INLETS TA T24F&G	167+92	31.0	RT	--	--	--	868.25	--	--	--	1612 - DIA 12"	873.46	80	YES	--
1619	PRC FLAR END SEC 12	167+92	44.5	RT	--	--	--	867.86	--	--	--	1612 - DIA 12"	--	80	--	--
1620	PRC FLAR END SEC 18	168+41	56.4	RT	869.30	--	--	--	1613 - DIA 18"	--	--	--	--	80	--	--
1621	PRC FLAR END SEC 18	168+87	57.7	RT	--	869.60	--	--	--	1615 - DIA 18"	--	--	--	80	--	--
1622	PRC FLAR END SEC 12	169+25	27.5	LT	--	--	870.20	--	--	--	1614 - DIA 12"	--	--	80	--	--
1623	INLETS TA T24F&G	169+25	19.0	LT	--	--	--	870.40	--	--	--	1614 - DIA 12"	873.69	80	YES	--
1624	CB TA 4 DIA T24F&G	168+78	57.4	RT	869.53	869.53	--	--	1615 - DIA 18"	1613 - DIA 18"	--	--	873.43	80	YES	--
1625	MAN TA 4 DIA T8G	166+18	29.6	LT	--	--	868.00	868.70	--	--	1616 - DIA 30"	1606 - DIA 18"	871.85	80	YES	--
1700	PRC FLAR END SEC 12	170+95	28.7	LT	--	--	871.18	--	--	--	1700 - DIA 12"	--	--	80	--	--
1701	CB TA 4 DIA T24F&G	170+95	19.0	LT	--	--	871.85	871.50	--	--	1701 - DIA 12"	1700 - DIA 12"	875.22	80	YES	--
1702	INLETS TA T24F&G	170+95	19.0	RT	--	--	--	872.20	--	--	--	1701 - DIA 12"	875.22	80	YES	--
1704	MAN TA 5 DIA T1F CL	175+41	22.0	LT	863.35	--	871.30	--	1702 - DIA 42"	--	1712 - DIA 12"	--	874.41	81	--	--
1705	MAN TA 5 DIA T1F CL	175+41	22.0	RT	863.35	--	--	871.30	1703 - DIA 42"	--	--	1713 - DIA 12"	874.41	81	--	--
1706	PRC FLAR END SEC 12	176+31	35.0	RT	868.85	--	--	--	1704 - DIA 12"	--	--	--	--	81	--	--
1707	PRC FLAR END SEC 12	176+47	35.0	RT	--	868.70	--	--	--	1704 - DIA 12"	--	--	--	81	--	--
1708	PRC FLAR END SEC 12	178+30	46.0	RT	--	--	--	862.75	--	--	--	1706 - DIA 12"	--	81	--	--
1709	MAN TA 6 DIA T1F CL	177+90	22.0	LT	863.10	863.10	867.40	--	1707 - DIA 42"	1702 - DIA 42"	1714 - DIA 12"	--	870.51	81	--	--
1710	MAN TA 6 DIA T1F CL	177+90	23.5	RT	863.10	863.10	--	867.40	1708 - DIA 42"	1703 - DIA 42"	--	1715 - DIA 12"	870.48	81	--	--
1712	MAN TA 6 DIA T24F&G	178+20	19.0	LT	--	863.00	863.00	--	--	1707 - DIA 42"	1705 - DIA 24"	--	870.35	81	YES	--
1713	MAN TA 6 DIA T24F&G	178+20	22.2	RT	866.58	863.00	862.65	862.75	1725 - DIA 24"	1708 - DIA 42"	1706 - DIA 12"	1705 - DIA 24"	870.28	81	YES	--
1714	PRC FLAR END SEC 36	178+50	34.0	LT	--	--	--	863.25	--	--	--	1709 - DIA 36"	--	81	--	--
1715	PRC FLAR END SEC 36	178+50	40.3	RT	--	--	--	862.65	--	--	--	1709 - DIA 36"	--	81	--	--
1716	PRC FLAR END SEC 24	178+58	43.0	RT	--	--	--	862.65	--	--	--	1710 - DIA 24"	--	81	--	--
1717	RESTR D MAN 8 T1F CL	178+65	27.2	RT	862.75	866.50	--	--	1711 - DIA 72"	1725 - DIA 24"	--	--	870.90	81	--	--
1718	INLETS TA T24F&G	175+41	19.0	LT	--	--	--	871.40	--	--	--	1712 - DIA 12"	874.19	81	YES	--
1719	INLETS TA T24F&G	175+41	19.0	RT	--	--	--	871.40	--	--	1713 - DIA 12"	--	874.19	81	YES	--
1720	INLETS TA T24F&G	177+90	19.0	LT	--	--	--	867.50	--	--	--	1714 - DIA 12"	870.28	81	YES	--
1721	INLETS TA T24F&G	177+90	20.5	RT	--	--	867.50	--	--	--	1715 - DIA 12"	--	870.25	81	YES	--
1725	RD MAN 5 DIA 2TF&L RP	178+58	30.0	RT	862.74	--	862.74	--	1726 - DIA 24"	--	1710 - DIA 24"	--	870.90	81	--	--
1800	PRC FLAR END SEC 12	180+20	34.0	LT	--	--	--	868.00	--	--	--	1800 - DIA 12"	--	81	--	--
1801	INLETS TA T24F&G	180+20	19.0	LT	--	--	--	869.00	--	--	--	1800 - DIA 12"	873.64	81	YES	--
1803	INLETS TA T24F&G	180+20	31.0	RT	870.50	--	--	--	1802 - DIA 12"	--	--	--	873.40	81	YES	--
1804	RESTR D MAN 8 T1F CL	181+50	35.0	RT	870.00	870.00	--	--	1803 - DIA 24"	1802 - DIA 12"	--	--	876.23	81	--	--
1805	INLETS TA T8G	182+70	42.4	LT	--	--	873.60	--	--	--	1804 - DIA 18"	--	877.15	81	YES	--
1806	CB TA 4 DIA T24F&G	182+70	31.0	LT	--	--	873.50	873.50	--	--	1805 - DIA 18"	1804 - DIA 18"	878.99	81	YES	--
1807	CB TA 4 DIA T24F&G	182+71	27.2	RT	875.00	872.00	874.00	873.00	1807 - DIA 12"	1803 - DIA 24"	1806 - DIA 12"	--	879.09	81	YES	--
1808	INLETS TA T24F&G	182+71	37.6	RT	--	--	--	874.20	--	--	--	1806 - DIA 12"	877.50	81	YES	--
1809	INLETS TA T24F&G	184+00	31.0	LT	--	--	--	879.30	--	--	1808 - DIA 12"	--	881.45	81	YES	--
1810	CB TA 4 DIA T24F&G	184+00	19.0	RT	--	877.00	--	878.80	--	1807 - DIA 12"	--	1808 - DIA 12"	881.69	81	YES	--
1811	INLETS TA T24F&G	187+90	19.0	LT	--	--	877.50	--	--	--	1809 - DIA 12"	--	881.56	81	YES	--
1812	CB TA 4 DIA T1F OL	187+75	37.0	RT	877.00	--	--	--	1810 - DIA 12"	--	--	--	879.50	81	YES	--
1813	CB TA 4 DIA T24F&G	187+90	29.1	RT	--	877.10	--	877.10	--	1810 - DIA 12"	--	1809 - DIA 12"	881.36	81	YES	--
1814	CB TA 4 DIA T1F CL	189+81	34.0	RT	873.15	873.15	--	875.90	1812 - DIA 30"	1811 - DIA 30"	--	1813 - DIA 12"	878.73	81	--	--
1815	INLETS TA T24F&G	189+80	31.0	RT	--	--	876.00	--	--	--	1813 - DIA 12"	--	878.52	81	YES	--
1901	CB TA 4 DIA T24F&G	190+17	37.5	LT	--	873.34	873.30	--	--	1901 - DIA 24"	EP - DIA 24"	--	878.21	82	YES	--
1902	RD MAN 5 DIA 2TF&L RP	190+16	46.6	RT	872.00	873.05	--	--	1902 - DIA 12"	1812 - DIA 30"	--	--	878.40	82	--	--
1903	CIP RC END SEC 24	190+05	41.5	LT	874.45	--	--	--	1901 - DIA 24"	--	--	--	--	82	--	--
1904	MAN TA 6 DIA T1F CL	190+75	36.6	RT	870.65	871.50	870.65	872.00	1905 - DIA 24"	1902 - DIA 12"	1904 - DIA 24"	1903 - DIA 24"	877.00	82	--	--
1905	PRC FLAR END SEC 24	190+70	80.0	RT	--	--	--	870.60	--	--	--	1904 - DIA 24"	--	82	--	--
1906	MH TA 6D W/2 T1FCL RP	191+18	23.0	RT	870.75	870.75	--	--	1906 - DIA 48"	1905 - DIA 24"	--	--	878.50	82	--	--
1907	CB TA 4 DIA T24F&G	191+96	31.0	LT	873.30	--	873.30	--	1908 - DIA 12"	--	1907 - DIA 12"	--	877.05	82	YES	--
1909	MAN TA 6 DIA T24F&G	191+96	19.0	RT	870.82	870.82	--	873.05	1910 - DIA 48"	1906 - DIA 48"	--	1907 - DIA 12"	877.29	82	YES	--
1910	CB TC T24F&G	192+06	31.0	LT	873.35	873.35	--	--	1912 - DIA 12"	1908 - DIA 12"	--	--	877.06	82	YES	--
1911	MAN TA 6 DIA T24F&G	192+06	19.0	RT	870.83	870.83	--	--	1913 - DIA 48"	1910 - DIA 48"	--	--	877.30	82	YES	--
1912	PRC FLAR END SEC 12	192+60	34.0	RT	874.27	--	--	--	1914 - DIA 15"	--	--	--	--	82	--	--
1913	INLETS TA T24F&G	192+95	29.0	LT	--	873.90	--	--	--	1912 - DIA 12"	--	--	877.36	82	YES	--
1914	MAN TA 6 DIA T24F&G	193+05	19.0	RT	870.92	870.92	--	--	1911 - DIA 48"	1913 - DIA 48"	--	--	877.60	82	YES	--
1915	PRC FLAR END SEC 15	192+90	33.8	RT	--	874.48	--	--	--	1914 - DIA 15"	--	--	--	82	--	--
1916	CB TC T24F&G	194+51	20.5	LT	--	--	874.50	--	--	--	1915 - DIA 12"	--	878.15	82	YES	--
1918	MAN TA 6 DIA T24F&G	194+50	19.0	RT	871.07	871.07	872.00	874.00	1918 - DIA 48"	1911 - DIA 48"	1917 - DIA 12"	1915 - DIA 12"	878.18	82	YES	--
1919	CB TC T8G	194+50	33.6	RT	--	--	--	872.40	--	--	--	1917 - DIA 12"	875.25	82	YES	--
1920	PRC FLAR END SEC 12	196+30	34.8	LT	875.40	--	--	--	1919 - DIA 12"	--	--	--	--	82	--	--
1921	PRC FLAR END SEC 12	196+47	34.8	LT	--	875.50	--	--	--	1919 - DIA 12"	--	--	--	82	--	--
1922	PRC FLAR END SEC 12	197+00	27.8	LT	--	--	876.25	--	--	--	1920 - DIA 12"	--	--	82	--	--
1923	INLETS TA T24F&G	197+00	19.0	LT	--	--	--	876.35	--	--	--	1920 - DIA 12"	879.49	82	YES	--
1925	MAN TA 6 DIA T24F&G	197+00	19.0	RT	871.31	871.31	872.50	--	1922 - DIA 48"	1918 - DIA 48"	1940 - DIA 12"	--	879.49	82	YES	--
1926	CB TA 4 DIA T24F&G	199+30	19.0	RT	--	--	874.90	875.00	--	--	1923 - DIA 12"	1925 - DIA 15"	880.77	82	YES	YES
1927	MAN TA 6 DIA T1F OL	199+30	32.7	RT	871.53	871.53	--	874.80	1927 - DIA 48"	1922 - DIA 48"	--	1923 - DIA 12"	878.15	82	YES	--
1928	CB TA 4 DIA T24F&G	199+30	19.0	LT	877.50	--	875.30	--	1926 - DIA 12"	--	1925 - DIA 15"	--	880.77	82	YES	YES
1929	PRC FLAR END SEC 12	200+45	28.0	RT	--	--	--	878.25	--	--	--	1928 - DIA 12"	--	82	--	--
1930	PRC FLAR END SEC 15	199+95	35.0	LT	878.34	--	--	--	1929 - DIA 15"	--	--	--	--	82	--	--

EP = CONNECT TO EXISTING PIPE
ES = CONNECT TO EXISTING STRUCTURE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

DRAINAGE SCHEDULE 2 OF 5

SCALE: N.T.S.
DATE: 08/17/09
DRAWN BY: LAK
CHECKED BY: TKL

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
205 N. MICHIGAN AVE., CHICAGO, IL 60601
TELEPHONE: 312/618-0000

REVISIONS	
NAME	DATE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	70
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO: 63266				

STRUCT. NO.	DESCRIPTION	BASELINE			INVERTS				PIPE CONNECTIONS (PIPE NO. - PIPE SIZE)				PROP RIM ELEV	SHEET NO.	INLET FILTER	UNDERDRAIN CONNECTION
		STATION	OFFSET (FT)	DIR.	NORTH	SOUTH	EAST	WEST	NORTH	SOUTH	EAST	WEST				
1931	PRC FLAR END SEC 12	190+73	149.0	RT	--	--	870.20	--	--	--	1930 - DIA 12"	--	82	--	--	
1932	PRC FLAR END SEC 12	190+70	170.0	RT	--	--	870.10	--	--	--	1930 - DIA 12"	--	82	--	--	
1934	CIP RC END SEC 24	191+07	45.0	LT	--	--	873.30	--	--	--	1931 - DIA 24"	--	82	--	--	
1940	CB TC T8G	197+00	35.5	RT	--	--	873.00	--	--	--	1940 - DIA 12"	876.00	82	YES	--	
2000	PRC FLAR END SEC 15	200+10	33.0	RT	877.85	--	--	--	2000 - DIA 15"	--	--	--	82	--	--	
2001	PRC FLAR END SEC 15	200+15	35.0	LT	--	878.40	--	--	--	1929 - DIA 15"	--	--	82	--	--	
2002	INLETS TA T24F&G	200+33	19.0	LT	--	878.00	--	--	--	1926 - DIA 12"	--	881.34	82	YES	--	
2003	INLETS TA T24F&G	200+45	19.0	RT	--	--	878.30	--	--	--	1928 - DIA 12"	881.41	82	YES	--	
2004	PRC FLAR END SEC 15	200+30	34.5	RT	--	878.15	--	--	--	2000 - DIA 15"	--	--	82	--	--	
2005	MAN TA 6 DIA T1F OL	201+60	32.0	RT	871.76	871.76	--	874.90	2002 - DIA 48"	1927 - DIA 48"	--	2001 - DIA 12"	879.10	82	YES	--
2006	INLETS TA T24F&G	201+60	19.0	RT	--	--	875.00	--	--	--	2001 - DIA 12"	881.83	82	YES	--	
2008	MAN TA 6 DIA T1F OL	203+00	31.4	RT	871.89	871.89	--	876.00	2004 - DIA 48"	2002 - DIA 48"	--	2003 - DIA 12"	880.40	82	YES	--
2009	PRC FLAR END SEC 15	203+60	46.0	LT	880.33	--	--	--	2005 - DIA 15"	--	--	--	82	--	--	
2010	PRC FLAR END SEC 15	203+85	47.6	LT	--	880.45	--	--	--	2005 - DIA 15"	--	--	82	--	--	
2011	INLETS TA T24F&G	203+00	19.0	RT	--	--	876.20	--	--	--	2003 - DIA 12"	882.61	82	YES	--	
2012	INLETS TA T24F&G	204+00	19.0	LT	--	--	877.90	--	--	--	2006 - DIA 12"	884.32	82	YES	--	
2013	MAN TA 6 DIA T1F OL	204+00	31.6	RT	877.00	872.00	--	877.40	2007 - DIA 12"	2004 - DIA 48"	--	2006 - DIA 12"	880.90	82	YES	--
2014	INLETS TA T24F&G	204+70	19.0	RT	--	877.40	--	--	--	2007 - DIA 12"	--	--	883.56	82	YES	--
2015	PRC FLAR END SEC 15	206+10	38.0	LT	882.20	--	--	--	2008 - DIA 15"	--	--	--	83	--	--	
2016	PRC FLAR END SEC 15	206+35	38.0	LT	--	882.33	--	--	--	2008 - DIA 15"	--	--	83	--	--	
2017	CB TA 4 DIA T24F&G	207+70	19.0	RT	878.50	--	878.30	--	2010 - DIA 12"	--	2009 - DIA 12"	883.76	83	YES	--	
2018	INLETS TA T8G	207+70	31.1	RT	--	--	878.50	--	--	--	2009 - DIA 12"	881.50	83	YES	--	
2019	CB TA 4 DIA T24F&G	209+90	19.0	RT	--	876.50	876.00	--	--	2010 - DIA 12"	2011 - DIA 12"	--	880.57	83	YES	--
2020	CB TA 4 DIA T1F OL	209+90	31.0	RT	871.50	--	--	875.00	2012 - DIA 18"	--	--	2011 - DIA 12"	878.30	83	YES	--
2100	PRC FLAR END SEC 18	211+10	42.4	LT	--	--	875.20	--	--	--	2100 - DIA 18"	--	83	--	--	
2101	PRC FLAR END SEC 18	211+10	28.0	RT	--	--	--	874.60	--	--	--	2100 - DIA 18"	--	83	--	--
2102	INLETS TA T24F&G	212+10	19.0	RT	--	--	869.50	--	--	--	2101 - DIA 12"	--	875.22	83	YES	--
2103	CB TA 4 DIA T1F OL	212+10	34.0	RT	868.00	--	--	869.00	2102 - DIA 18"	--	--	2101 - DIA 12"	872.35	83	YES	--
2104	PRC FLAR END SEC 12	212+60	29.0	LT	--	--	870.90	--	--	--	2103 - DIA 12"	--	83	--	--	
2105	INLETS TB T24F&G	212+60	20.4	LT	870.80	--	--	870.80	2130 - DIA 12"	--	--	2103 - DIA 12"	875.16	83	YES	--
2106	CB TA 4 DIA T24F&G	213+20	19.0	LT	--	870.50	--	870.50	--	2130 - DIA 12"	--	2104 - DIA 12"	871.00	83	YES	--
2107	PRC FLAR END SEC 12	213+20	29.0	LT	--	--	870.40	--	--	--	2104 - DIA 12"	--	83	--	--	
2108	INLETS TA T24F&G	213+21	23.8	RT	--	868.20	--	--	--	2105 - DIA 12"	--	--	872.35	83	YES	--
2109	CB TA 4 DIA T1F CL	213+20	28.0	RT	868.00	866.00	863.50	--	2105 - DIA 12"	2102 - DIA 18"	2106 - DIA 18"	--	872.72	83	--	--
2110	INLETS TA T24F&G	214+20	31.0	RT	--	--	866.00	--	--	--	2107 - DIA 12"	--	869.69	83	YES	--
2111	CB TA 4 DIA T24F&G	215+20	31.0	RT	--	864.60	860.00	864.60	--	2108 - DIA 12"	2111 - DIA 15"	2107 - DIA 12"	867.42	84	YES	--
2112	MAN TA 7 DIA T1F CL	215+20	37.0	RT	864.50	--	855.70	861.50	2108 - DIA 12"	--	2114 - DIA 38"	2106 - DIA 18"	866.96	84	--	--
2113	PRC FLAR END SEC 15	215+75	34.0	LT	--	--	864.50	--	--	--	2110 - DIA 15"	--	84	--	--	
2114	PRC FLAR END SEC 15	215+95	34.0	LT	--	--	--	864.00	--	--	--	2110 - DIA 15"	--	84	--	--
2115	CB TA 4 DIA T24F&G	216+00	31.0	RT	--	--	860.40	860.40	--	--	2112 - DIA 12"	2111 - DIA 15"	865.72	84	YES	--
2116	CB TA 4 DIA T24F&G	216+37	31.0	RT	--	--	860.60	860.60	--	--	2113 - DIA 12"	2112 - DIA 12"	864.94	84	YES	--
2117	RESTR D MAN 8 T1F CL	218+00	29.9	RT	855.34	--	--	855.34	2117 - DIA 38"	--	--	2114 - DIA 38"	861.85	84	--	--
2118	INLETS TA T8G	216+55	50.0	RT	--	--	--	860.75	--	--	--	2113 - DIA 12"	862.00	84	YES	--
2119	PRC FLAR END SEC 12	216+90	24.8	LT	--	861.75	--	--	--	2115 - DIA 12"	--	--	84	--	--	
2120	INLETS TA T24F&G	216+90	19.0	LT	861.85	--	--	--	2115 - DIA 12"	--	--	--	864.10	84	YES	--
2121	PRC FLAR END SEC 15	217+06	32.5	LT	--	--	861.50	--	--	--	2116 - DIA 15"	--	84	--	--	
2122	PRC FLAR END SEC 15	217+30	31.7	LT	--	--	--	861.00	--	--	--	2116 - DIA 15"	--	84	--	--
2124	CB TA 4 DIA T24F&G	220+30	19.0	RT	--	--	857.20	--	--	--	2122 - DIA 12"	--	860.55	84	YES	--
2125	PRC FLAR END SEC 12	218+00	27.2	LT	--	858.90	--	--	--	2119 - DIA 12"	--	--	84	--	--	
2126	INLETS TA T24F&G	218+00	19.0	LT	859.10	--	--	--	2119 - DIA 12"	--	--	--	861.96	84	YES	--
2127	PRC FLAR END SEC 12	219+40	28.6	LT	--	--	856.85	--	--	--	2120 - DIA 12"	--	84	--	--	
2128	INLETS TA T24F&G	219+40	19.0	LT	--	--	--	857.00	--	--	--	2120 - DIA 12"	860.23	84	YES	--
2129	PRC FLAR END SEC 15	219+60	35.6	LT	856.60	--	--	--	2121 - DIA 15"	--	--	--	84	--	--	
2130	PRC FLAR END SEC 15	219+80	36.6	LT	--	856.00	--	--	--	2121 - DIA 15"	--	--	84	--	--	
2131	PRC FLAR END SEC 18	220+45	35.3	RT	--	--	--	855.00	--	--	--	2200 - DIA 18"	--	84	--	--
2200	PRC FLAR END SEC 18	220+45	28.0	LT	--	--	855.60	--	--	--	2200 - DIA 18"	--	84	--	--	
2201	MAN TA 7 DIA T1F CL	220+30	23.8	RT	855.05	855.05	--	857.18	2118 - DIA 30"	2117 - DIA 38"	--	2122 - DIA 12"	860.75	84	--	--
2202	PRC FLAR END SEC 30	220+40	32.2	RT	--	--	--	855.00	--	--	--	2201 - DIA 30"	--	84	--	--
2203	PRC FLAR END SEC 12	221+40	28.0	LT	--	--	856.10	--	--	--	2202 - DIA 12"	--	84	--	--	
2204	INLETS TA T24F&G	221+40	19.0	LT	--	--	--	856.17	--	--	--	2202 - DIA 12"	858.38	84	YES	--
2205	PRC FLAR END SEC 12	223+40	26.5	LT	--	--	853.60	--	--	--	2203 - DIA 12"	--	84	--	--	
2206	INLETS TA T24F&G	223+40	19.0	LT	--	--	--	854.00	--	--	--	2203 - DIA 12"	856.50	84	YES	YES
2207	INLETS TA T24F&G	224+93	19.0	RT	--	--	851.50	--	--	--	2205 - DIA 12"	--	855.24	84	YES	--
2208	PRC FLAR END SEC 12	224+93	29.0	RT	--	--	--	851.35	--	--	--	2205 - DIA 12"	--	84	--	--
2211	PRC FLAR END SEC 12	224+93	26.3	LT	--	--	851.15	--	--	--	2206 - DIA 12"	--	84	--	--	
2212	INLETS TA T24F&G	224+93	19.0	LT	--	--	--	851.25	--	--	--	2206 - DIA 12"	854.09	84	YES	--
2250	RD MAN 5 DIA 21F&L RP	220+38	23.8	RT	--	855.03	855.03	--	--	2118 - DIA 30"	2201 - DIA 30"	--	860.97	84	--	--
	EXISTING STRUCTURE	83+67.00	30.5	RT											YES	
	EXISTING STRUCTURE	102+49.00	40.8	RT											YES	
	EXISTING STRUCTURE	102+79.00	58.5	RT											YES	
	EXISTING STRUCTURE	136+00.00	19	RT											YES	
	EXISTING STRUCTURE	138+50.00	19	RT											YES	
	EXISTING STRUCTURE	190+17.00	37.5	LT											YES	
	EXISTING STRUCTURE	190+94.00	25	LT											YES	

EP = CONNECT TO EXISTING PIPE
ES = CONNECT TO EXISTING STRUCTURE

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

DRAINAGE SCHEDULE 3 OF 5

SCALE: N.T.S. DRAWN BY: LAK
DATE: 12/01/09 CHECKED BY: TKL

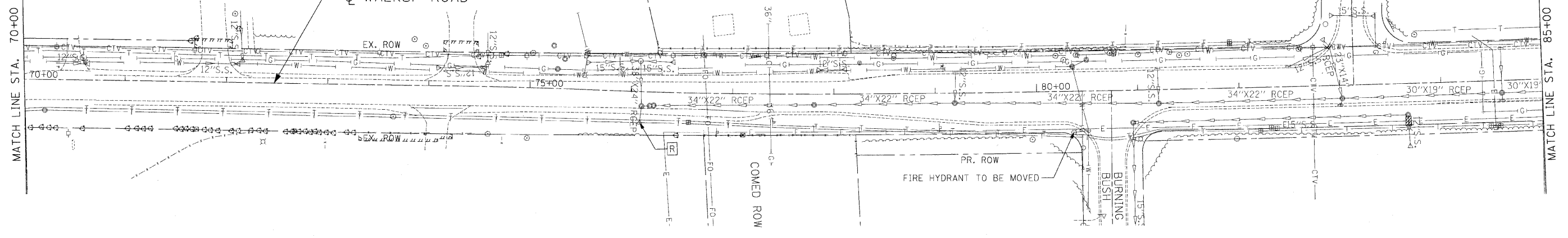
TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
205 N. MICHIGAN AVE., CHICAGO, IL 60601
TELEPHONE: 312/616-0000

\\SC0008RC\DRAWING\11\BODY\A26H
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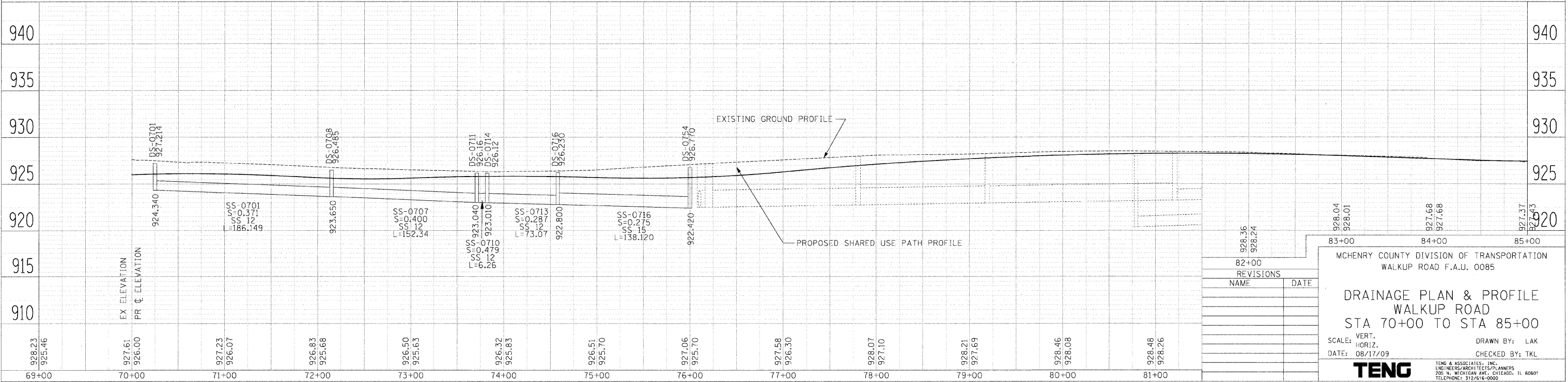
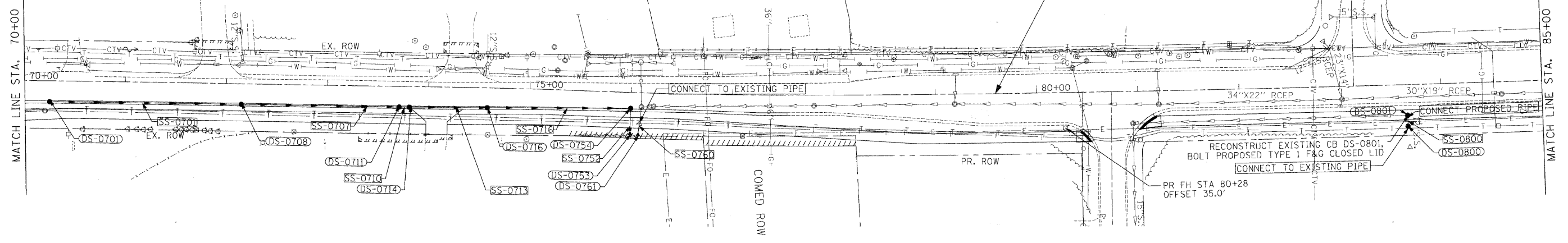
PIPE/CULVERT NO.	DESCRIPTION	DIA. (IN)	LENGTH (FT)	SLOPE (%)	TRENCH BACKFILL (CU YDS.)	SHEET NO.	FROM ST. 1	TO ST. 2
701	STORM SEW CL A 1 12	DIA 12"	186	0.37	10.3	74	701	708
707	STORM SEW CL A 1 12	DIA 12"	152	0.40	10.4	74	708	711
710	STORM SEW CL A 1 12	DIA 12"	6	0.48	0.5	74	711	714
713	STORM SEW CL A 1 12	DIA 12"	73	0.29	7.2	74	714	716
716	STORM SEW CL A 2 15	DIA 15"	138	0.28	21.6	74	716	754
752	STORM SEW CL A 2 15	DIA 15"	23	0.30	-	74	754	753
760	SS CL A EORS 30	DIA38"x24"	9	0.12	-	74	ES	761
800	STORM SEW CL A 2 12	DIA 12"	7	12.15	1.7	74	800	801
1000	STORM SEW CL A 2 12	DIA 12"	61	0.81	1.4	76	1000	1002
1001	STORM SEW CL A 2 12	DIA 12"	8	1.28	2.0	76	1002	ES
1050	STORM SEW WM REQ 12	DIA 12"	39	0.51	-	76	1050	1051
1051	STORM SEW CL A 2 12	DIA 12"	25	0.65	7.8	76	1051	ES
1150	STORM SEW CL A 1 12	DIA 12"	28	4.64	-	76	1150	1151
1200	P CUL CL A 2 60	DIA 60"	7	1.07	-	77	1203	1200
1201	P CUL CL A 2 60	DIA 60"	13	0.56	-	77	EP	1200
1203	STORM SEW CL A 2 36	DIA 36"	18	12.78	-	77	1202	1203
1300	STORM SEW CL A 2 24	DIA 24"	8	6.09	7.1	78	1300	1302
1301	STORM SEW CL A 2 12	DIA 12"	7	1.48	-	78	1301	1300
1302	STORM SEW CL A 2 24	DIA 24"	103	0.97	96.1	78	1303	1300
1303	STORM SEW CL A 2 24	DIA 24"	233	1.29	184.8	78	1304	1303
1304	STORM SEW CL A 2 24	DIA 24"	3	1.60	-	78	1305	1304
1305	STORM SEW CL A 2 12	DIA 12"	4	6.43	0.9	78	1306	1305
1306	STORM SEW CL A 2 12	DIA 12"	1	6.66	0.3	78	ES	1306
1307	STORM SEW CL A 2 12	DIA 12"	5	1.62	1.2	78	1307	ES
1308	STORM SEW CL A 2 24	DIA 24"	183	2.73	77.2	78	1400	1305
1309	STORM SEW CL A 2 12	DIA 12"	11	8.34	2.4	78	ES	1309
1310	STORM SEW CL A 2 12	DIA 12"	1	13.33	0.2	78	1309	1303
1400	STORM SEW CL A 2 12	DIA 12"	1	6.00	0.1	78	1401	1400
1401	STORM SEW CL A 1 12	DIA 12"	47	1.27	5.4	78	1402	1401
1402	STORM SEW CL A 2 24	DIA 24"	184	2.17	163.1	78	1403	1400
1403	STORM SEW CL A 2 12	DIA 12"	1	12.01	0.2	78	1404	1403
1404	STORM SEW CL A 2 12	DIA 12"	34	1.46	11.0	78	1405	1404
1405	STORM SEW CL A 2 24	DIA 24"	161	0.93	182.0	78	1406	1403
1406	STORM SEW CL A 2 12	DIA 12"	1	6.00	0.1	78	1407	1406
1407	STORM SEW CL A 1 12	DIA 12"	35	1.71	5.0	78	1408	1407
1408	STORM SEW CL A 2 18	DIA 18"	236	0.85	57.1	79	1409	1406
1409	STORM SEW CL A 1 12	DIA 12"	0	19.30	0.0	79	1410	1409
1410	STORM SEW CL A 1 12	DIA 12"	35	1.14	4.3	79	1411	1410
1411	STORM SEW CL A 1 18	DIA 18"	95	1.05	18.7	79	1412	1409
1412	STORM SEW CL A 2 12	DIA 12"	0	24.12	0.0	79	1413	1412
1413	STORM SEW CL A 1 12	DIA 12"	36	1.66	4.3	79	1414	1413
1414	STORM SEW CL A 2 18	DIA 18"	255	0.78	85.9	79	1415	1412
1415	STORM SEW CL A 2 12	DIA 12"	1	35.33	0.2	79	1416	1415
1416	STORM SEW CL A 2 12	DIA 12"	47	1.06	6.6	79	1417	1416
1417	STORM SEW CL A 2 12	DIA 12"	59	0.51	12.7	78	1418	1403
1418	STORM SEW CL A 1 12	DIA 12"	29	0.70	3.7	78	1419	1405
1500	STORM SEW CL A 2 18	DIA 18"	108	0.92	-	79	1500	1415
1501	STORM SEW CL A 2 18	DIA 18"	116	0.86	35.8	79	1501	1533
1502	STORM SEW CL A 2 15	DIA 15"	6	1.67	1.6	79	1502	1501
1503	STORM SEW CL A 2 15	DIA 15"	59	0.51	18.7	79	1503	1502
1504	STORM SEW CL A 2 12	DIA 12"	10	0.95	2.4	79	1504	1503
1505	STORM SEW CL A 2 12	DIA 12"	122	1.64	34.0	79	1505	1501
1506	STORM SEW CL A 2 12	DIA 12"	47	0.85	13.7	79	1506	1505
1507	STORM SEW CL A 1 12	DIA 12"	8	1.50	-	79	1508	1507
1508	STORM SEW CL A 1 12	DIA 12"	35	0.57	3.4	79	1509	1508
1509	STORM SEW CL A 1 12	DIA 12"	6	1.22	-	79	1511	1510
1510	STORM SEW CL A 1 12	DIA 12"	35	0.57	2.2	79	1512	1511
1511	STORM SEW CL A 1 15	DIA 15"	20	0.50	-	79	1513	1514
1530	STORM SEW CL A 1 12	DIA 12"	50	0.50	6.1	79	1531	1532
1531	STORM SEW CL A 1 12	DIA 12"	35	0.58	2.7	79	1530	1531
1532	STORM SEW CL A 1 12	DIA 12"	13	0.75	2.1	79	1532	1504
1533	STORM SEW CL A 2 18	DIA 18"	8	1.31	1.9	79	1533	1500
1599	STORM SEW CL A 1 18	DIA 18"	3	58.59	-	80	EP	1600
1600	STORM SEW CL A 2 18	DIA 18"	47	1.07	-	80	1600	1601
1601	STORM SEW CL A 2 12	DIA 12"	11	4.44	1.9	80	1602	1601
1602	STORM SEW CL A 2 12	DIA 12"	35	2.56	6.1	80	1603	1602
1603	STORM SEW CL A 2 18	DIA 18"	205	0.54	-	80	1601	1604
1604	STORM SEW CL A 2 12	DIA 12"	10	14.04	-	80	1606	1605
1605	STORM SEW CL A 1 12	DIA 12"	35	1.42	4.4	80	1607	1606
1606	STORM SEW CL A 1 18	DIA 18"	0	50.00	-	80	1608	1625
1607	STORM SEW CL A 2 30	DIA 30"	44	1.13	34.0	80	1609	1610
1608	STORM SEW CL A 2 30	DIA 30"	15	2.00	-	80	1610	1611
1609	STORM SEW CL A 2 12	DIA 12"	8	1.73	-	80	1613	1612
1610	STORM SEW CL A 2 12	DIA 12"	13	2.62	-	80	1614	1615
1611	STORM SEW CL A 1 12	DIA 12"	7	1.57	-	80	1617	1616
1612	STORM SEW CL A 2 12	DIA 12"	13	3.12	-	80	1618	1619
1613	STORM SEW CL A 1 18	DIA 18"	35	0.65	3.1	80	1624	1620

PIPE/CULVERT NO.	DESCRIPTION	DIA. (IN)	LENGTH (FT)	SLOPE (%)	TRENCH BACKFILL (CU YDS.)	SHEET NO.	FROM ST. 1	TO ST. 2
1614	STORM SEW CL A 1 12	DIA 12"	8	2.67	-	80	1623	1622
1615	STORM SEW CL A 1 18	DIA 18"	7	1.00	-	80	1621	1624
1616	STORM SEW CL A 2 30	DIA 30"	7	2.97	-	80	1625	1609
1700	STORM SEW CL A 1 12	DIA 12"	8	4.09	-	80	1701	1700
1701	STORM SEW CL A 1 12	DIA 12"	35	1.00	3.2	80	1702	1701
1702	STORM SEW CL A 2 42	DIA 42"	243	0.10	324.7	81	1704	1709
1703	STORM SEW CL A 2 42	DIA 42"	244	0.10	323.7	81	1705	1710
1704	STORM SEW CL A 1 12	DIA 12"	16	0.94	-	81	1706	1707
1705	STORM SEW CL A 2 24	DIA 24"	37	0.67	33.6	81	1712	1713
1706	STORM SEW CL A 2 12	DIA 12"	24	0.42	-	81	1713	1708
1707	STORM SEW CL A 2 42	DIA 42"	25	0.40	20.9	81	1709	1712
1708	STORM SEW CL A 2 42	DIA 42"	25	0.40	20.5	81	1710	1713
1709	STORM SEW CL A 2 36	DIA 36"	74	0.81	5.1	81	1714	1715
1710	STORM SEW CL A 2 24	DIA 24"	10	0.86	-	81	1725	1716
1711	STORM SEW CL A 2 72	DIA 72"	277	0.10	429.5	81	1804	1717
1712	STORM SEW CL A 1 12	DIA 12"	1	19.97	0.0	81	1718	1704
1713	STORM SEW CL A 1 12	DIA 12"	1	19.97	0.0	81	1719	1705
1714	STORM SEW CL A 1 12	DIA 12"	1	10.00	0.1	81	1720	1709
1715	STORM SEW CL A 1 12	DIA 12"	1	10.00	0.1	81	1721	1710
1725	STORM SEW CL A 1 24	DIA 24"	39	0.21	4.9	81	1713	1717
1726	STORM SEW CL A 2 24	DIA 24"	1	0.95	1.1	81	1717	1725
1800	STORM SEW CL A 2 12	DIA 12"	14	7.14	-	81	1801	1800
1802	STORM SEW CL A 2 12	DIA 12"	125	0.40	29.3	81	1803	1804
1803	STORM SEW CL A 2 24	DIA 24"	115	1.74	85.1	81	1807	1804
1804	STORM SEW CL A 2 18	DIA 18"	8	1.18	-	81	1805	1806
1805	STORM SEW CL A 2 18	DIA 18"	54	0.92	20.9	81	1806	1807
1806	STORM SEW CL A 2 12	DIA 12"	8	2.66	-	81	1808	1807
1807	STORM SEW CL A 2 12	DIA 12"	126	1.59	27.1	81	1810	1807
1808	STORM SEW CL A 1 12	DIA 12"	47	1.06	0.9	81	1809	1810
1809	STORM SEW CL A 2 12	DIA 12"	45	0.88	8.7	81	1811	1813
1810	STORM SEW CL A 2 12	DIA 12"	13	0.76	-	81	1813	1812
1811	STORM SEW CL A 2 30	DIA 30"	202	0.27	70.1	81	1812	1814
1812	STORM SEW CL A 2 30	DIA 30"	33	0.30	10.2	81	1814	1902
1813	STORM SEW CL A 1 12	DIA 12"	0	40.23	0.0	81	1815	1814
1901	STORM SEW CL A 1 24	DIA 24"	11	9.96	-	82	1903	1901
1902	STORM SEW CL A 2 12	DIA 12"	54	0.92	-	82	1902	1904
1903	STORM SEW CL A 2 24	DIA 24"	12	3.15	3.2	82	ES	1904
1904	STORM SEW CL A 2 24	DIA 24"	41	0.12	-	82	1904	1905
1905	STORM SEW CL A 2 24	DIA 24"	39	0.26	-	82	1906	1904
1906	STORM SEW CL A 2 48	DIA 48"	72	0.10	49.2	82	1909	1906
1907	STORM SEW CL A 2 12	DIA 12"	45	0.55	7.9	82	1907	1909
1908	STORM SEW CL A 1 12	DIA 12"	6	0.80	0.9	82	1910	1907
1910	STORM SEW CL A 1 48	DIA 48"	4	0.25	1.3	82	1911	1909
1911	STORM SEW CL A 2 48	DIA 48"	139	0.11	86.0	82	1918	1914
1912	STORM SEW CL A 1 12	DIA 12"	86	0.64	11.3	82	1913	1910
1913	STORM SEW CL A 1 48	DIA 48"	93	0.10	33.2	82	1914	1911
1914	STORM SEW CL A 1 15	DIA 15"	30	0.70	-	82	1915	1912
1915	STORM SEW CL A 2 12	DIA 12"	35	1.44	5.8	82	1916	1918
1917	STORM SEW CL A 2 12	DIA 12"	10	4.11	-	82	1919	1918
1918	STORM SEW CL A 2 48	DIA 48"	244	0.10	205.0	82	1925	1918
1919	STORM SEW CL A 1 12	DIA 12"	17	0.59	-	82	1921	1920
1920	STORM SEW CL A 1 12	DIA 12"	8	1.29	-	82	1923	1922
1922	STORM SEW CL A 2 48	DIA 48"	224	0.10	172.1	82	1927	1925
1923	STORM SEW CL A 2 12	DIA 12"	9	1.14	-	82	1926	1927
1925	STORM SEW CL A 2 15	DIA 15"	34	0.88	12.2	82	1928	1926
1926	STORM SEW CL A 1 12	DIA 12"	100	0.50	10.3	82	2002	1928
1927	STORM SEW CL A 2 48	DIA 48"	223	0.10	143.5	82	2005	1927
1928	STORM SEW CL A 1 12	DIA 12"	8	0.63	-	82	2003	1929
1929	STORM SEW CL A 1 15	DIA 15"	20	0.30	-	82	2001	1930
1930	P							

EXISTING PLAN



PROPOSED PLAN



NO.	REVISIONS	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

DRAINAGE PLAN & PROFILE

WALKUP ROAD

STA 70+00 TO STA 85+00

SCALE: VERT. 1"=20'
HORIZ. 1"=40'

DATE: 08/17/09

DRAWN BY: LAK
CHECKED BY: TKL

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
205 N. MICHIGAN AVE., CHICAGO, IL 60601
TELEPHONE: 312/654-0000

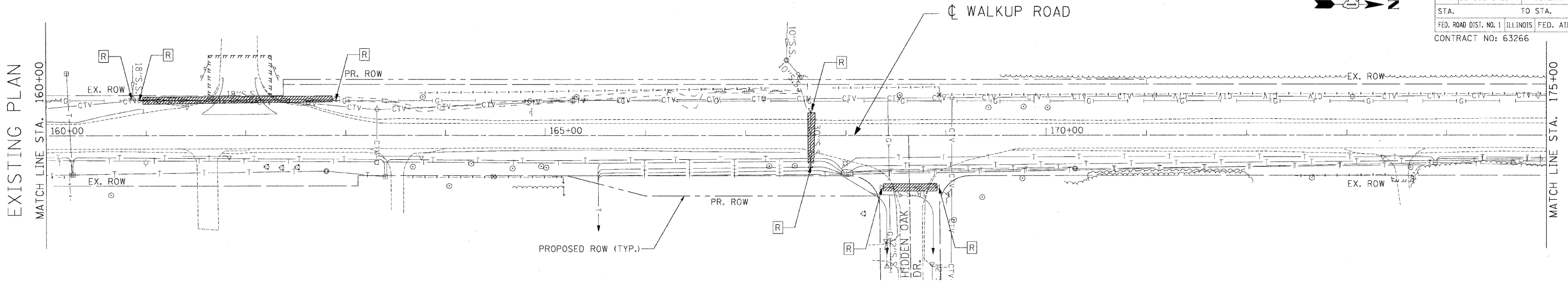
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PROFILE	SURVEYED	DATE
NOTE BOOK NO.		

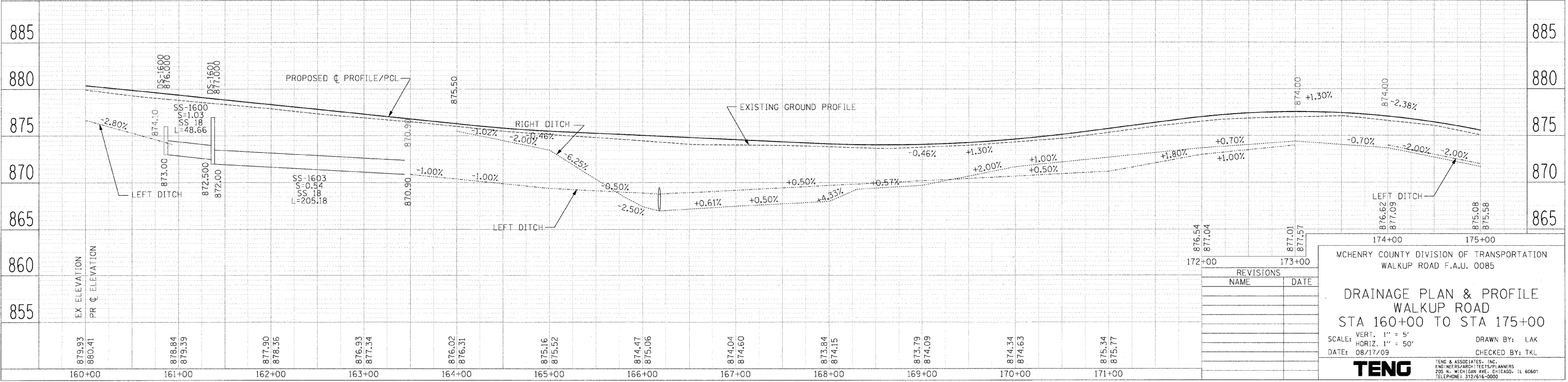
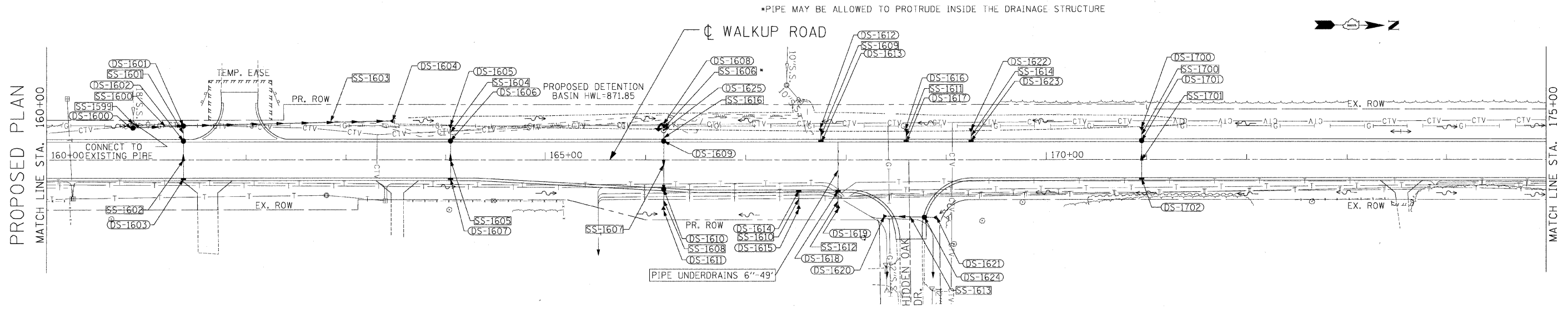
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F.A.U. SECTION COUNTY TOTAL SHEETS SHEET NO.	0085 00-00246-01-FP MCHENRY 236 80
STA. TO STA.	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
CONTRACT NO: 63266	

EXISTING PLAN



PROPOSED PLAN



REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

DRAINAGE PLAN & PROFILE
WALKUP ROAD
STA 160+00 TO STA 175+00

SCALE: VERT. 1" = 5'
HORIZ. 1" = 50'

DATE: 08/17/09

DRAWN BY: LAK
CHECKED BY: TKL

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
205 N. MICHIGAN AVE., CHICAGO, IL 60601
TELEPHONE: 312/616-9000

DATE: _____ BY: _____

PROF. FILE: _____ SURVEYED: _____ PLOTTED: _____

NOTE BOOK NO. _____ CHECKED: _____

STRUCTURE: NOT A TIME CIRCD

PLAN NO. _____

DATE: _____ BY: _____

PROF. FILE: _____ SURVEYED: _____ PLOTTED: _____

NOTE BOOK NO. _____ CHECKED: _____

STRUCTURE: NOT A TIME CIRCD

PLAN NO. _____

DATE: _____ BY: _____

PROF. FILE: _____ SURVEYED: _____ PLOTTED: _____

NOTE BOOK NO. _____ CHECKED: _____

STRUCTURE: NOT A TIME CIRCD

PLAN NO. _____

DATE: _____ BY: _____

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DATE: _____ BY: _____

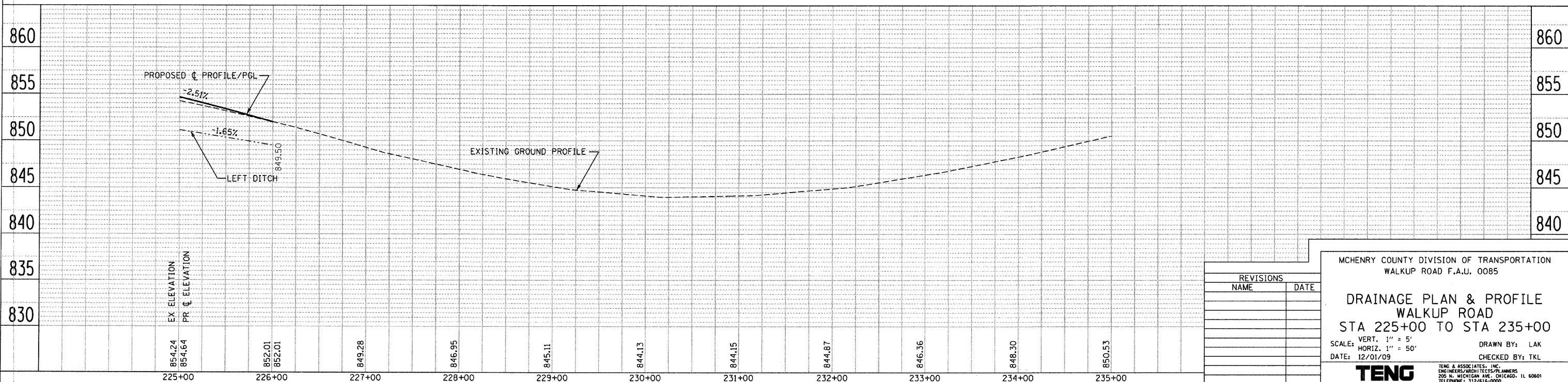
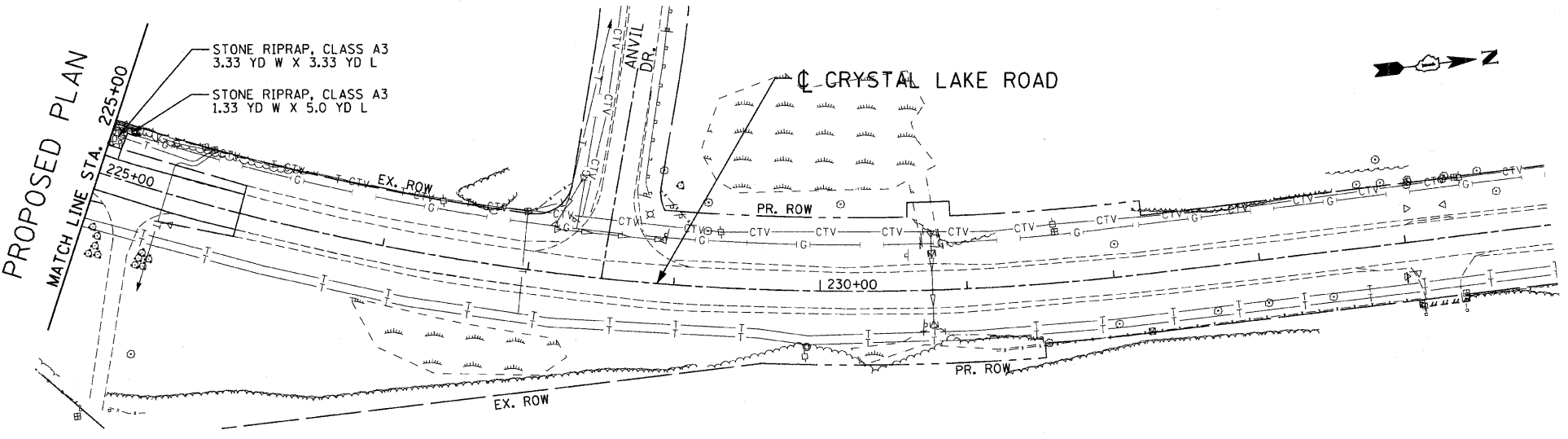
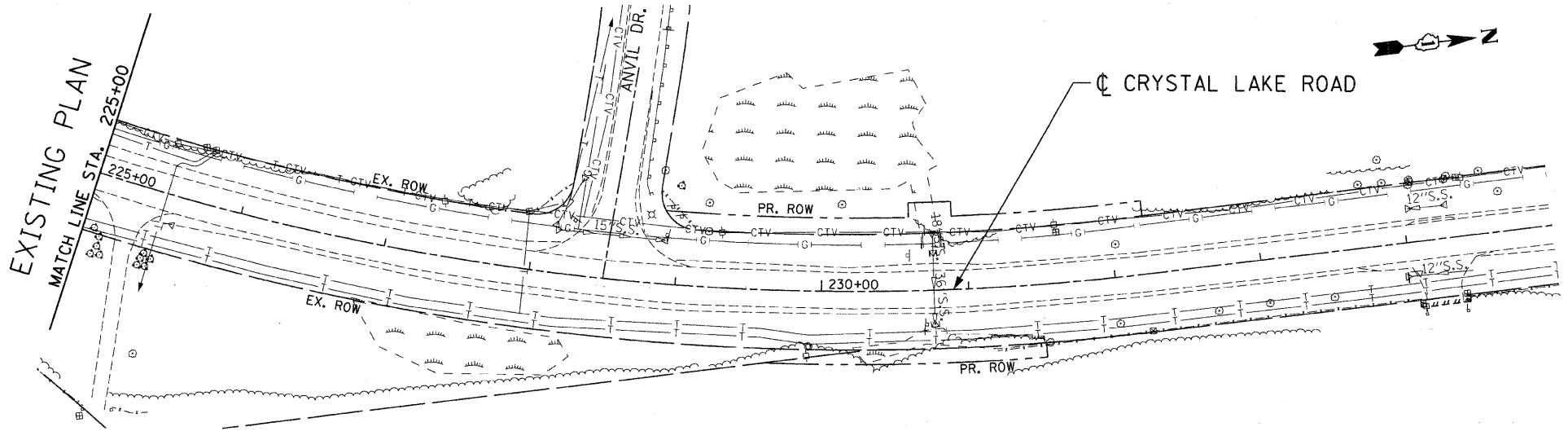
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PLAN NO. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	85
STA.	TO STA.			
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO: 63266				



REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085

DRAINAGE PLAN & PROFILE
WALKUP ROAD
STA 225+00 TO STA 235+00

SCALE: VERT. 1" = 5'
HORIZ. 1" = 50'

DATE: 12/01/09

DRAWN BY: LAK
CHECKED BY: TKL

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
205 N. MICHIGAN AVE., CHICAGO, IL 60601
TELEPHONE: 312/616-0000

PLAN: SURVEYED, PLOTTED, CHECKED, BY, DATE, NO. 1, CAD FILE NAME

PROFILE: SURVEYED, PLOTTED, CHECKED, BY, DATE, NO. 1, STRUCTURE, NOTATION, CHKD

\\ALT008A\LDON... \VTBODY\VDON... \ROWWOOD\RDON... \NUTL008R\LDON... \DRA008M\LDON... \P0008R\LDON... \STANKR\LDON... \20-2005-92451\... \DOCUMENT\830003\CIVIL\ADON\DRAG00\KOJON... \2005-12-22 22:23:24 25:26:27:28:29 30 31 32:33 34 35 36:37:38:39 40 41 42:43 44 45 46:47 48:49 50 51 52:53:54 55:56:57:58:59 60 61 62:63

PART OF THE NE 1/4 OF SEC. 32, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

WALKUP AT THE PARK UNIT THREE

Recorded September 25, 2002 as Document No. 2002R008374 Corrected by Certificate of Correction Recorded January 22, 2003 as Document No. 2003R009235

M-3 See Sheet 14 P.O.C. 1G60036 P.O.C. 1G60036T.E. Found 1 1/2" Iron Pipe

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- 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
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

Scale: 1"=30'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD83 (1997) East Zone, according to the H.A.R.N. Network.

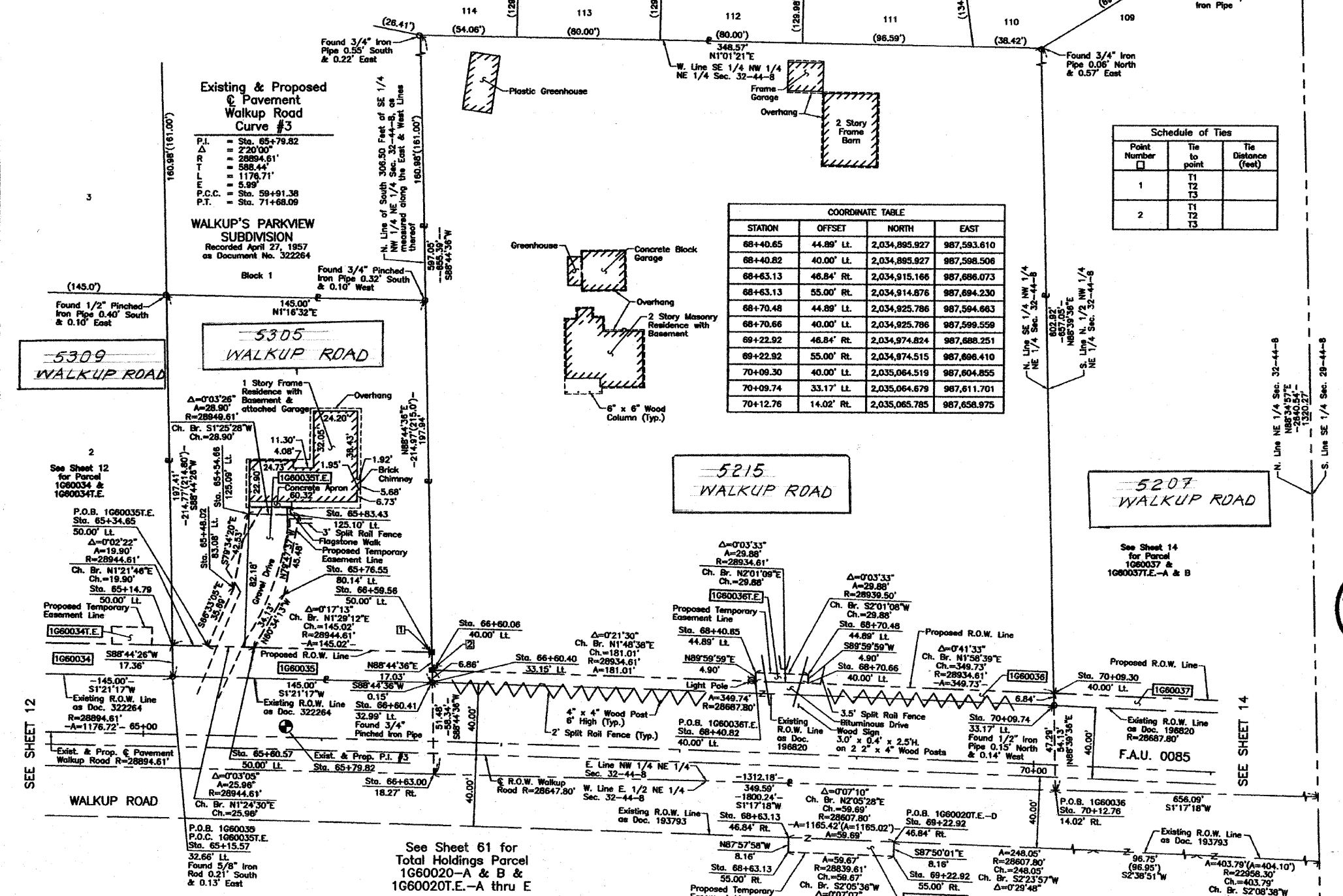
- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- 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	
2	T1	
	T2	
	T3	

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
68+40.65	44.89' Lt.	2,034,895.927	987,593.610
68+40.82	40.00' Lt.	2,034,895.927	987,598.506
68+63.13	46.84' Rt.	2,034,915.166	987,696.073
68+63.13	55.00' Rt.	2,034,914.876	987,694.230
68+70.48	44.89' Lt.	2,034,925.786	987,594.663
68+70.66	40.00' Lt.	2,034,925.786	987,599.559
69+22.92	46.84' Rt.	2,034,974.824	987,688.251
69+22.92	55.00' Rt.	2,034,974.515	987,688.410
70+09.30	40.00' Lt.	2,035,064.519	987,604.855
70+09.74	33.17' Lt.	2,035,064.679	987,611.701
70+12.76	14.02' Rt.	2,035,065.785	987,658.975



ROW	DATE	BY	DATE	BY

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
1G60020-A 1G60020-B 1G60020T.E.-A 1G60020T.E.-B 1G60020T.E.-C 1G60020T.E.-D 1G60020T.E.-E	Crystal Lake Park District, an Illinois Municipal Corporation	72.480	A=0.018 B=0.097	0.094	72.385	A=0.006 B=0.811 C=0.134 D=0.011 E=0.016	240 N/A N/A N/A N/A	Construction Purposes	14-32-226-002	
1G60035 1G60035T.E.	Lawrence P. Robbins and Marcia L. Robbins, in joint tenancy	0.715	0.057	N/A	0.658	0.049	N/A	Driveway Construction	14-32-203-003	
1G60036 1G60036T.E.	Michael J. Walkup and Carolyn M. Walkup, husband and wife as Tenants by the Entirety	5.254	0.454	0.399	4.800	0.003	148	Driveway Construction	14-32-201-008	

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
1G60020	193793	July 31, 1946
1G60035	322264	April 27, 1957
1G60036	196820	November 20, 1946
-----	196820	November 20, 1946
-----	322264	April 27, 1957

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 HEREIN IN SECTION 32, TOWNSHIP 44N., 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.



COORDINATE TABLE

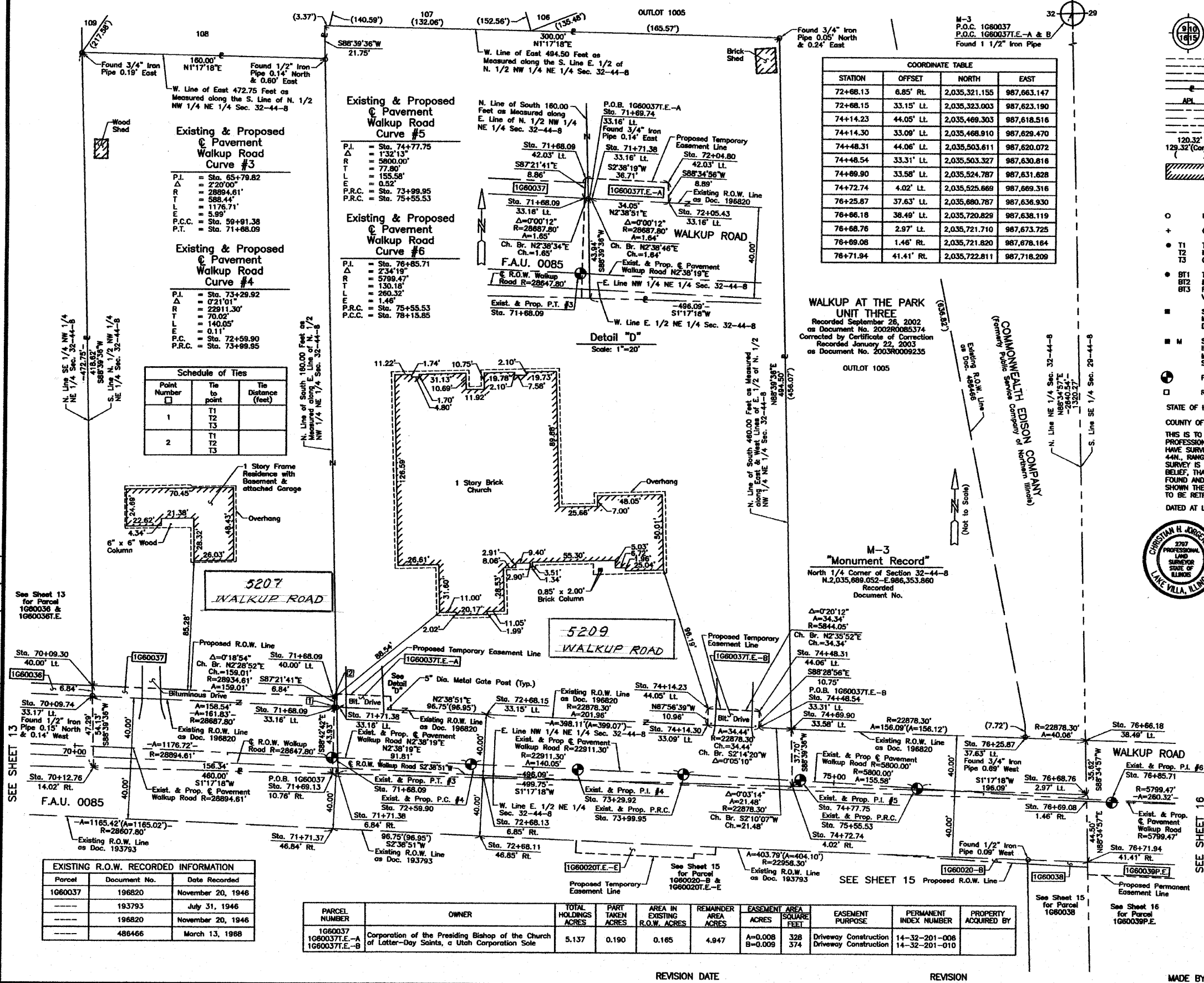
STATION	OFFSET	NORTH	EAST
65+14.79	50.00' Lt.	2,034,569.814	987,579.014
65+15.57	32.66' Lt.	2,034,570.196	987,586.373
65+34.65	50.00' Lt.	2,034,589.707	987,579.488
65+48.02	83.08' Lt.	2,034,603.910	987,546.743
65+54.86	125.09' Lt.	2,034,611.608	987,504.916
65+60.57	50.00' Lt.	2,034,615.664	987,580.126
65+76.55	80.14' Lt.	2,034,632.435	987,550.399
65+83.43	125.10' Lt.	2,034,640.494	987,505.635
66+59.56	50.00' Lt.	2,034,714.784	987,582.777
66+60.06	40.00' Lt.	2,034,715.003	987,592.787
66+60.40	33.15' Lt.	2,034,715.154	987,599.647
66+60.41	32.99' Lt.	2,034,715.157	987,599.801
66+63.00	18.27' Rt.	2,034,716.283	987,651.116

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 0085 (WALKUP ROAD)

SECTION 00-00246-00-FP McHENRY COUNTY
PROJECT JOB NO. R-91-006-06
STATION 65+00 TO STATION 71+00
SCALE: 1"=30' SHEET 13 OF 74

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

PART OF THE NE 1/4 OF SEC. 32, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
72+68.13	6.85' RL	2,035,321.155	987,663.147
72+68.15	33.15' LL	2,035,323.003	987,623.190
74+14.23	44.05' LL	2,035,469.303	987,618.516
74+14.30	33.09' LL	2,035,468.910	987,629.470
74+48.31	44.06' LL	2,035,503.611	987,620.072
74+48.54	33.31' LL	2,035,503.327	987,630.816
74+69.90	33.58' LL	2,035,524.787	987,631.628
74+72.74	4.02' LL	2,035,525.669	987,669.316
76+25.87	37.63' LL	2,035,680.787	987,636.930
76+66.18	38.49' LL	2,035,720.829	987,638.119
76+68.76	2.97' LL	2,035,721.710	987,673.725
76+69.08	1.46' RL	2,035,721.820	987,678.164
76+71.94	41.41' RL	2,035,722.811	987,718.209

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- 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
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD83 (1987) East Zone, according to the H.A.R.N. Network.

SCALE: 1"=30'

WALKUP AT THE PARK UNIT THREE
 Recorded September 26, 2002
 as Document No. 2002R0065374
 Corrected by Certificate of Correction
 Recorded January 22, 2003
 as Document No. 2003R009235

Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
1	T1	
	T2	
	T3	
2	T1	
	T2	
	T3	



ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2707
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2008
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
70+09.30	40.00' LL	2,035,064.519	987,604.855
70+09.74	33.17' LL	2,035,064.679	987,611.701
70+12.76	14.02' RL	2,035,065.785	987,658.975
71+68.09	33.16' LL	2,035,223.069	987,618.569
71+68.09	40.00' LL	2,035,223.384	987,611.738
71+68.09	42.03' LL	2,035,223.477	987,609.715
71+69.13	10.76' RL	2,035,222.081	987,662.490
71+69.74	33.16' LL	2,035,224.717	987,618.645
71+71.37	46.84' RL	2,035,222.659	987,698.635
71+71.38	6.84' RL	2,035,224.506	987,658.678
71+71.38	33.16' LL	2,035,226.354	987,618.720
72+04.60	42.03' LL	2,035,280.147	987,611.405
72+05.43	33.16' LL	2,035,280.367	987,620.293
72+68.11	46.85' RL	2,035,319.368	987,703.104

EXISTING R.O.W. RECORDED INFORMATION

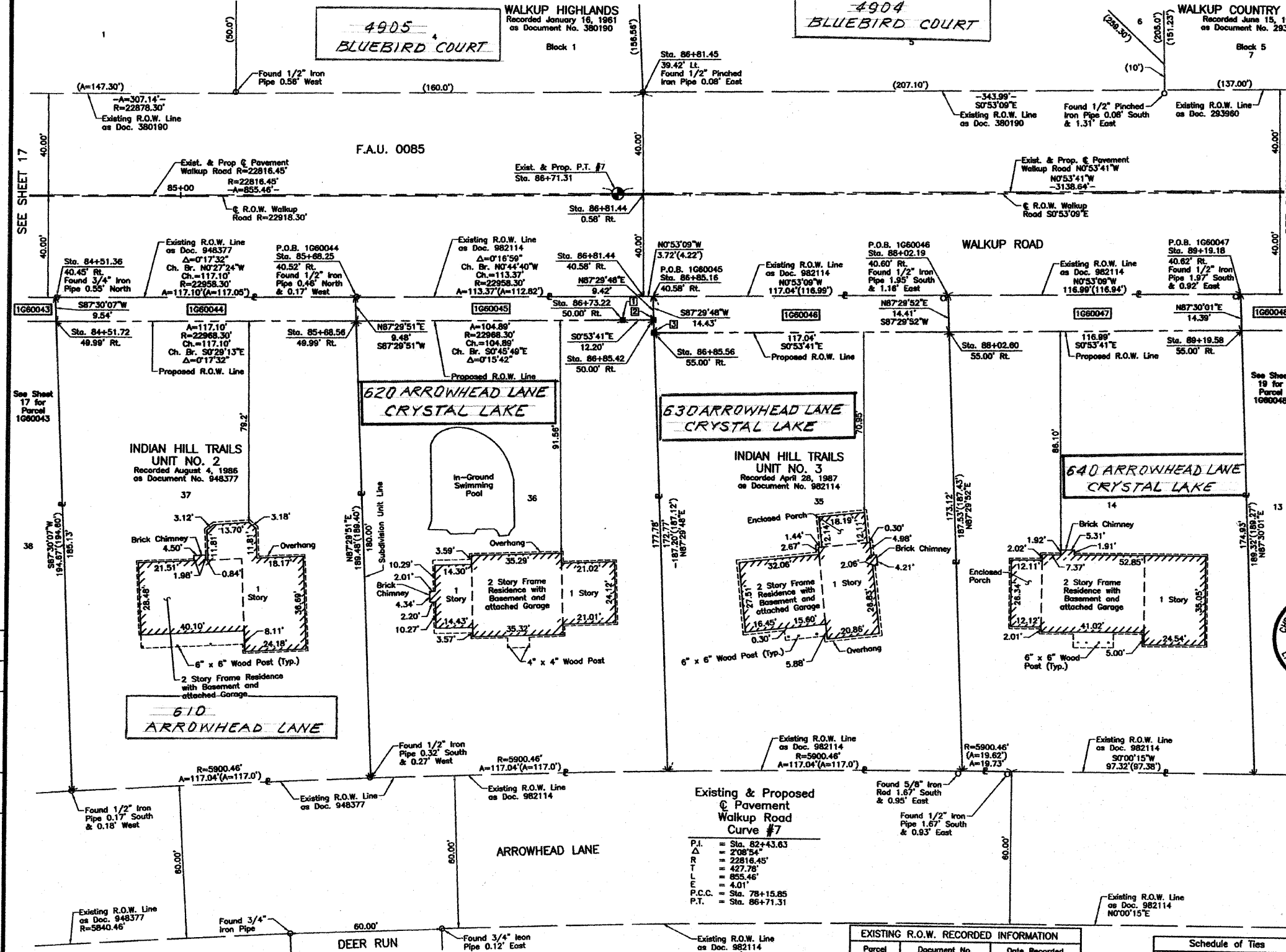
Parcel	Document No.	Date Recorded
1060037	196820	November 20, 1946
---	193793	July 31, 1946
---	196820	November 20, 1946
---	486466	March 13, 1968

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1060037	Corporation of the Presiding Bishop of the Church of Latter-Day Saints, a Utah Corporation Sole	5.137	0.190	0.165	4.947	A=0.008 B=0.009	328 374	Driveway Construction Driveway Construction	14-32-201-006 14-32-201-010

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 0085 (WALKUP ROAD)
 SECTION 00-00246-00-FP McHENRY COUNTY
 PROJECT JOB NO. R-91-006-06
 STATION 70+00 TO STATION 77+00
 SCALE: 1"=30' SHEET 14 OF 24

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

PART OF THE SE 1/4 OF SEC. 29, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

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
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DATA

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD83 (1987) East Zone, according to the H.A.R.N. Network.

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

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

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

■ 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 }
COUNTY OF LAKE }
SS

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 HEREIN IN SECTION 29, TOWNSHIP 44N., 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.

See Sheet 19 for Parcel 1660048

CHRISTIAN H. JORGENSEN
2707 PROFESSIONAL LAND SURVEYOR
LAKE VILLA, ILLINOIS

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2008
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS HEREIN IN SECTION 29, TOWNSHIP 44N., 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.

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
84+51.36	40.45' RL	2,036,504.278	987,727.274
84+51.72	49.99' RL	2,036,504.684	987,736.809
85+68.25	40.52' RL	2,036,621.372	987,728.341
85+68.56	49.99' RL	2,036,621.786	987,735.814
86+73.22	50.00' RL	2,036,726.662	987,734.416
86+81.44	0.58' RL	2,036,734.114	987,684.873
86+81.44	40.58' RL	2,036,734.733	987,724.868
86+81.45	39.42' LL	2,036,733.496	987,644.878
86+85.16	40.58' RL	2,036,738.449	987,724.811
86+85.42	50.00' RL	2,036,738.861	987,734.226
86+85.56	55.00' RL	2,036,739.080	987,739.222
88+02.19	40.60' RL	2,036,855.473	987,723.001
88+02.60	55.00' RL	2,036,856.102	987,737.395
89+19.18	40.62' RL	2,036,972.447	987,721.193
89+19.58	55.00' RL	2,036,973.075	987,735.568

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

80046 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 0085 (WALKUP ROAD)

SECTION 00-00246-00-FP McHENRY COUNTY
PROJECT JOB NO. R-91-006-06
STATION 84+00 TO STATION 90+00
SCALE: 1"=20' SHEET 18 OF 74

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

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
1660044	The Norma Wacoser Trust as Trustee of the Norma Wacoser Trust dated June 16, 2000	0.515	0.026	N/A	0.489	N/A	N/A	14-29-477-002	
1660045	James V. O'Reilly and Suzanne M. O'Reilly in Joint Tenancy	0.505	0.025	N/A	0.480	N/A	N/A	14-29-477-008	
1660046	Richard S. and Pamela A. Hickey	0.503	0.039	N/A	0.464	N/A	N/A	14-29-477-007	
1660047	David R. Barber and Amy P. Barber in Joint Tenancy	0.506	0.039	N/A	0.467	N/A	N/A	14-29-477-006	

Existing & Proposed Pavement Walkup Road Curve #7

P.I. = Sta. 82+43.63
Δ = 2'08"54"
R = 22816.45'
T = 427.78'
L = 855.46'
E.C.C. = 4.01'
P.C.C. = Sta. 78+15.85
P.T. = Sta. 86+71.31

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
1660044	948377	August 4, 1986
1660045	948377	August 4, 1986
1660045	982114	April 28, 1987
1660046	982114	April 28, 1987
1660047	982114	April 28, 1987
---	293960	June 15, 1955
---	380190	January 16, 1961
---	948377	August 4, 1986
---	982114	April 28, 1987

Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
1	T1 T2 T3	
2	T1 T2 T3	
3	T1 T2 T3	

ROW	DATE	BY	MADE	CHECKED	LINKED	NOTED	BOOK	NO.

PART OF THE NORTH 1/2 & SOUTH 1/2 OF SEC. 29, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

Parcel	Document No.	Date Recorded
1660053	96R039107	July 30, 1996
-----	193788	July 31, 1948
-----	193789	July 31, 1948
-----	293960	June 15, 1955
-----	487889	April 11, 1988
-----	96R033207	June 27, 1996

STATION	OFFSET	NORTH	EAST
112+75.67	38.99' LL	2,039,327.404	987,604.806
113+35.67	38.94' LL	2,039,387.398	987,603.917
116+19.59	13.11' RL	2,039,672.102	987,651.527
116+20.18	54.48' RL	2,039,673.338	987,682.892
116+35.67	38.60' LL	2,039,687.365	987,599.477

Point Number	Tie to point	Tie Distance (feet)
1	T1 T2 T3	
2	T1 T2 T3	
3	T1 T2 T3	
4	T1 T2 T3	

LEGEND

- SECTION CORNER 16
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPROXIMATE PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY, SET DIMENSIONED HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- 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.

BEARINGS AND COORDINATES ARE REFERENCED TO THE ILLINOIS COORDINATE SYSTEM NAD83 (1987) EAST ZONE, ACCORDING TO THE H.A.R.N. NETWORK.

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 HEREIN IN SECTION 29, TOWNSHIP 44N., 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.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2008
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

NOTE: SURFACE COORDINATES ARE SHOWN.

STATION	OFFSET	NORTH	EAST
102+52.82	39.18' LL	2,038,304.675	987,620.586
102+66.08	70.24' RL	2,038,319.642	987,729.781
102+67.82	54.29' RL	2,038,319.439	987,605.242
103+08.22	0	2,038,360.687	987,658.892
103+08.23	0.83' RL	2,038,360.706	987,659.724
103+39.98	62.47' RL	2,038,393.381	987,720.858
103+40.02	70.00' RL	2,038,393.575	987,728.387
103+41.87	39.18' LL	2,038,393.716	987,619.209
103+54.82	47.55' RL	2,038,408.019	987,705.711
109+61.58	38.07' LL	2,038,013.353	987,609.629
109+61.58	39.24' LL	2,039,013.348	987,609.455
110+00.00	55.00' RL	2,039,053.237	987,703.084
110+00.00	70.00' RL	2,039,053.471	987,718.082

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
1660053	Margaret M. Heraty and Peter Heraty, in joint tenancy	7.143	0.339	N/A	6.804	N/A	N/A	14-29-276-007	

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

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 0085 (WALKUP ROAD)
 SECTION 00-00246-00-FP McHENRY COUNTY
 PROJECT JOB NO. R-91-006-06
 STATION 102+00 TO STATION 117+00
 SCALE: 1"=60' SHEET 22 OF 24

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

ROW	DATE	BY
PLAT		
RECORDED		
INDEXED		
NO		

PART OF THE SE 1/4 OF SEC. 20 AND PART OF THE NE 1/4 OF SEC. 29, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

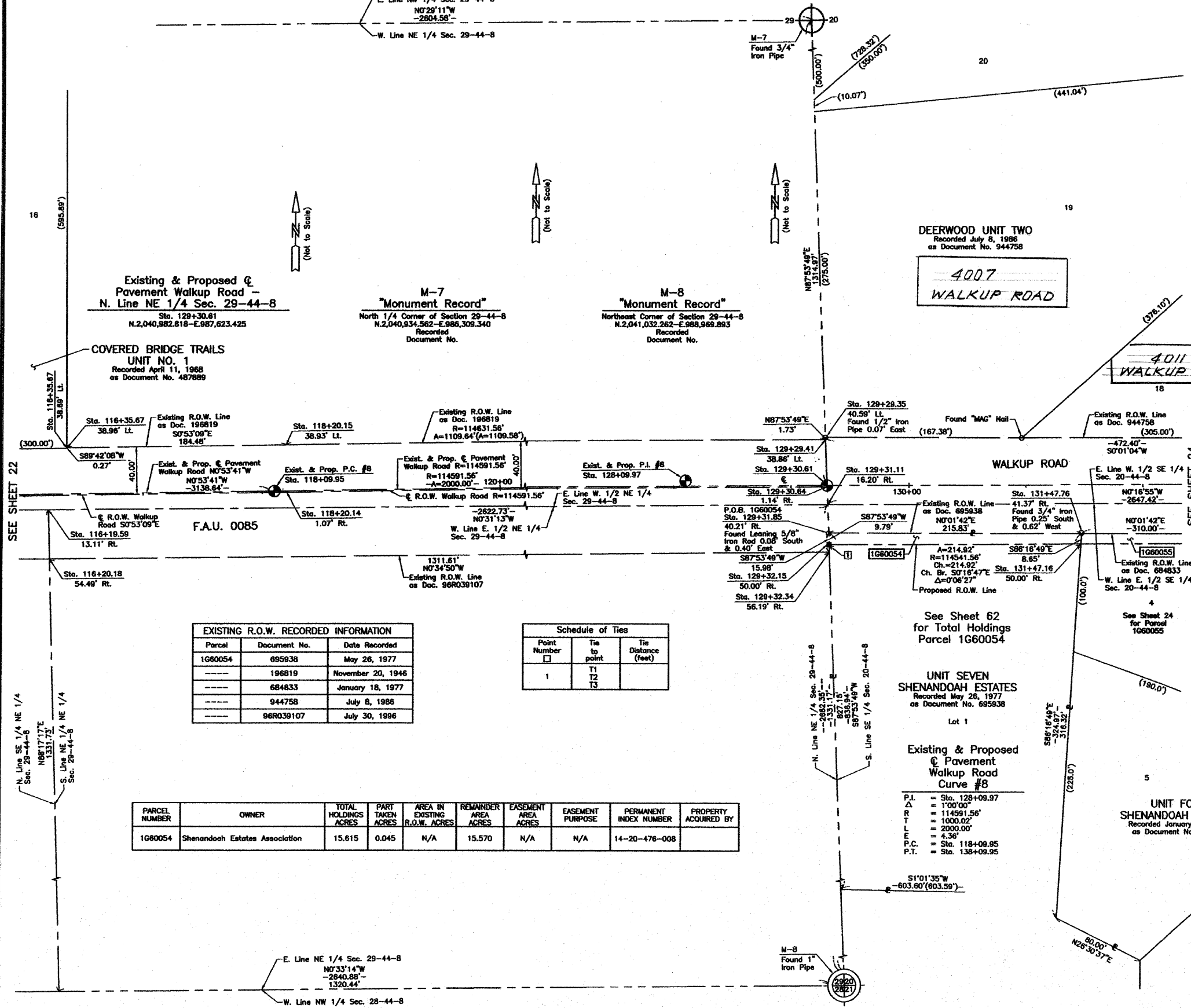
LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER 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
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

Scale: 1"=40'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD83 (1997) East Zone, according to the H.A.R.N. Network.

- IRON PIPE OR ROD FOUND
- ⊙ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8" INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8" INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKERS TO INDICATE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8" INCH IRON 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.



SEE SHEET 22

SEE SHEET 24

ROW	DATE	BY

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
1660054	895938	May 26, 1977
	196819	November 20, 1946
	684833	January 18, 1977
	944758	July 8, 1986
	968039107	July 30, 1996

Schedule of Ties

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

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
1660054	Shenandoah Estates Association	15.615	0.045	N/A	15.570	N/A	N/A	14-20-476-008	

See Sheet 62 for Total Holdings Parcel 1660054

UNIT SEVEN SHENANDOAH ESTATES
Recorded May 26, 1977 as Document No. 895938

Existing & Proposed Pavement Walkup Road Curve #8

- P.I. = Sta. 128+09.97
- Δ = 100'00"
- R = 114591.56'
- T = 1000.02'
- L = 2000.00'
- E = 4.36'
- P.C. = Sta. 118+09.95
- P.T. = Sta. 138+09.95



CHRISTIAN H. JORGENSEN
PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2008
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

NOTE: SURFACE COORDINATES ARE SHOWN.

STATION	OFFSET	COORDINATE TABLE	
		NORTH	EAST
116+35.67	38.89' LL	2,039,687.365	987,599.477
116+35.67	38.96' LL	2,039,687.363	987,599.208
118+20.14	1.07' RL	2,039,872.440	987,636.351
118+20.15	38.93' LL	2,039,871.821	987,596.356
129+29.35	40.59' LL	2,040,981.327	987,582.843
129+29.41	38.86' LL	2,040,981.391	987,584.572
129+30.84	1.14' RL	2,040,982.859	987,624.564
129+31.11	16.20' RL	2,040,983.412	987,639.617
129+31.85	40.21' RL	2,040,984.294	987,663.631
129+32.15	50.00' RL	2,040,984.853	987,673.415
129+32.34	56.19' RL	2,040,984.881	987,679.804
131+47.16	50.00' RL	2,041,199.566	987,672.365
131+47.76	41.37' RL	2,041,200.126	987,663.737

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 358-3371

PLAT OF HIGHWAYS STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 0085 (WALKUP ROAD)
SECTION 00-00246-00-FP McHENRY COUNTY
PROJECT JOB NO. R-91-006-06
STATION 116+00 TO STATION 132+00
SCALE: 1"=40' SHEET 23 OF 74

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

PART OF THE SE 1/4 OF SEC. 20, TWP. 44 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
1G60055	West Suburban Bank, as Trustee of a trust agreement dated the 31st day of July, 2002, known as Trust Number 12286	0.928	0.058	N/A	0.870	N/A	N/A	14-20-477-004	
1G60056	Cassey C. Cork and Maria L. Cork, husband and wife, Marcia B. Stein, divorced and not since remarried, as joint tenants	0.854	0.040	N/A	0.814	N/A	N/A	14-20-477-003	
1G60057	Ronald V. Gutzmer and Mary Anne Gutzmer, as husband and wife, not as joint tenants, nor as tenants in common, but as tenants by the entirety	1.003	0.064	N/A	0.939	N/A	N/A	14-20-403-017	

Point Number	Tie to point	Tie Distance (feet)
1	T1 T2 T3	
2	T1 T2 T3	

4007
WALKUP ROAD

4011
WALKUP ROAD

4010 LIVE OAK ROAD
CRYSTAL LAKE

4014
SHENANDOAH DRIVE

3921 SHENANDOAH DRIVE
CRYSTAL LAKE

3908 SPY GLASS
BRIDGE ROAD

SEE SHEET 23

BY	DATE	REVISION
MADE		
CHECKED		
NOTED		
NO		

UNIT SEVEN
SHENANDOAH
ESTATES
Recorded May 26, 1977
as Document No. 695938
Lot 1

Parcel	Document No.	Date Recorded
1G60055	684833	January 18, 1977
1G60056	684833	January 18, 1977
1G60057	944758	July 8, 1986
----	684833	January 18, 1977
----	695938	May 26, 1977
----	944758	July 8, 1986

DEERWOOD UNIT TWO
Recorded July 8, 1986
as Document No. 944758

UNIT FOUR
SHENANDOAH ESTATES
Recorded January 18, 1977
as Document No. 684833

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- EXISTING RIGHT OF WAY 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
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE 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.
- 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
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 20, TOWNSHIP 44N., 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
PRESIDENT
2707
PROFESSIONAL
LAND SURVEYOR
STATE OF ILLINOIS
LICENSE EXPIRATION DATE: NOVEMBER 30, 2008
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
NOTE: SURFACE COORDINATES ARE SHOWN.

STATION	OFFSET	NORTH	EAST
131+47.16	50.00' RL	2,041,199.566	987,672.365
131+47.76	41.37' RL	2,041,200.126	987,663.737
134+01.59	38.66' LL	2,041,453.727	987,582.999
134+31.63	66.60' LL	2,041,483.736	987,552.998
134+57.56	50.00' RL	2,041,509.825	987,671.561
134+57.87	42.33' RL	2,041,510.130	987,663.890
134+91.59	68.51' LL	2,041,543.736	987,553.017
134+91.60	69.89' LL	2,041,543.737	987,551.639
135+21.46	50.00' LL	2,041,573.632	987,571.500
135+21.55	38.47' LL	2,041,573.727	987,583.026
136+87.96	42.50' RL	2,041,740.132	987,664.004
136+87.96	50.00' RL	2,041,740.124	987,671.508
137+21.49	38.45' LL	2,041,773.736	987,583.088
137+24.11	50.00' LL	2,041,776.368	987,571.542

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

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 0085 (WALKUP ROAD)
SECTION 00-00246-00-FP McHENRY COUNTY
PROJECT JOB NO. R-91-006-06
STATION 131+00 TO STATION 138+00
SCALE: 1"=30'
SHEET 24 OF 24

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196
AS DOCUMENT NO.

PART OF THE SE 1/4 OF SEC. 20, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
141+28.03	71.99' Rt.	2,042,180.105	987,894.238
141+28.03	75.25' Rt.	2,042,180.102	987,697.504
141+88.03	71.87' Rt.	2,042,240.105	987,894.233
142+17.99	41.85' Rt.	2,042,270.120	987,664.266

LEGEND

SECTION CORNER 16 SECTION CORNER 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
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DATA

120.32'
129.32' (Comp.)

EXISTING BUILDING

Scale: 1"=30'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD83 (1997) East Zone, according to the H.A.R.N. Network.

IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET
T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
T2
T3
BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
BT2
BT3
S 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 IRON 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.

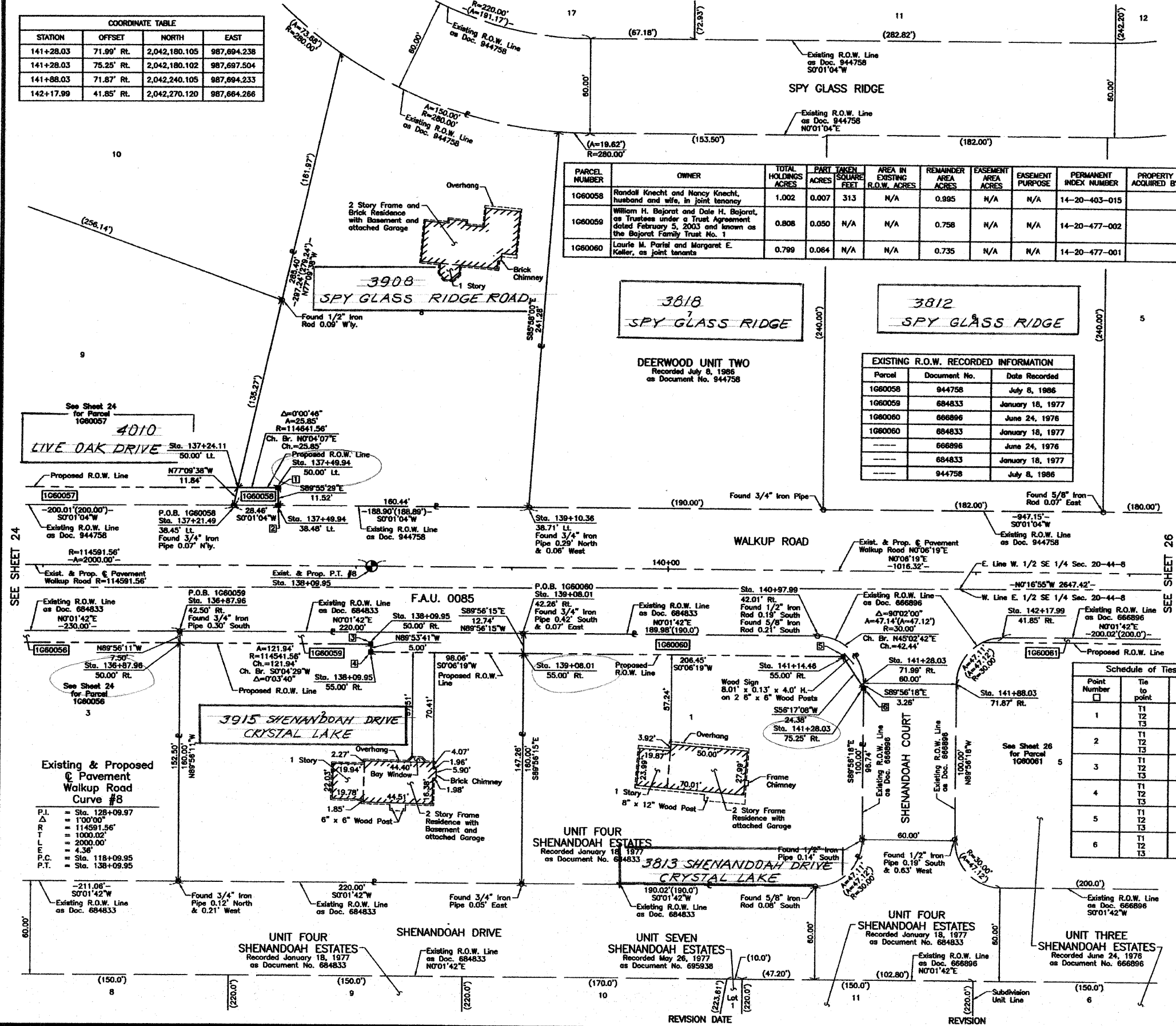
STATE OF ILLINOIS }
COUNTY OF LAKE

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 20, TOWNSHIP 44N., 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.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN SQUARE FEET	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	EASEMENT PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1G60058	Randall Knecht and Nancy Knecht, husband and wife, in joint tenancy	1.002	0.007	313	N/A	0.995	N/A	N/A	14-20-403-015
1G60059	William H. Bajrakt and Dale H. Bajrakt, as Trustees under a Trust Agreement dated February 5, 2003 and known as the Bajrakt Family Trust No. 1	0.808	0.050	N/A	N/A	0.758	N/A	N/A	14-20-477-002
1G60060	Laurie M. Parizal and Margaret E. Keller, as joint tenants	0.799	0.064	N/A	N/A	0.735	N/A	N/A	14-20-477-001

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
1G60058	944758	July 8, 1986
1G60059	684833	January 18, 1977
1G60060	668896	June 24, 1976
1G60060	684833	January 18, 1977
---	668896	June 24, 1976
---	684833	January 18, 1977
---	944758	July 8, 1986



DATE	BY	REVISION

SEE SHEET 24

SEE SHEET 26



ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2008
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
136+87.96	42.50' Rt.	2,041,740.132	987,664.004
136+87.96	50.00' Rt.	2,041,740.124	987,671.508
137+21.49	38.45' Lt.	2,041,773.736	987,583.088
137+24.11	50.00' Lt.	2,041,776.368	987,571.542
137+49.94	38.48' Lt.	2,041,802.200	987,583.096
137+49.94	50.00' Lt.	2,041,802.215	987,571.573
138+09.95	50.00' Rt.	2,041,862.067	987,671.667
138+09.95	55.00' Rt.	2,041,862.058	987,676.667
139+08.01	42.26' Rt.	2,041,960.135	987,664.112
139+08.01	55.00' Rt.	2,041,960.121	987,676.847
139+10.36	38.71' Lt.	2,041,962.633	987,583.146
140+97.99	42.01' Rt.	2,042,150.120	987,664.206
141+14.46	55.00' Rt.	2,042,166.571	987,677.227

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	

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PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 0085 (WALKUP ROAD)
SECTION 00-00246-00-FP McHENRY COUNTY
PROJECT JOB NO. R-91-006-06
STATION 136+00 TO STATION 143+00
SCALE: 1"=30'
SHEET 25 OF 74

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