

SUBSURFACE UTILITY ENGINEERING (S.U.E.)
UTILIZED ON THIS PROJECT

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN UNINCORPORATED WILL COUNTY

DESIGN DESIGNATION:
ADT 35,900(10) STRATEGIC REGIONAL ARTERIAL (SRA) 22.47 (JPCP-20)
CLASS I TRUCK ROUTE
DESIGN SPEED: 50 MPH

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT MANAGER: HELEN PAZON, P.E. (IDOT) (847) 705-4523

CONTRACT NO. 60P51

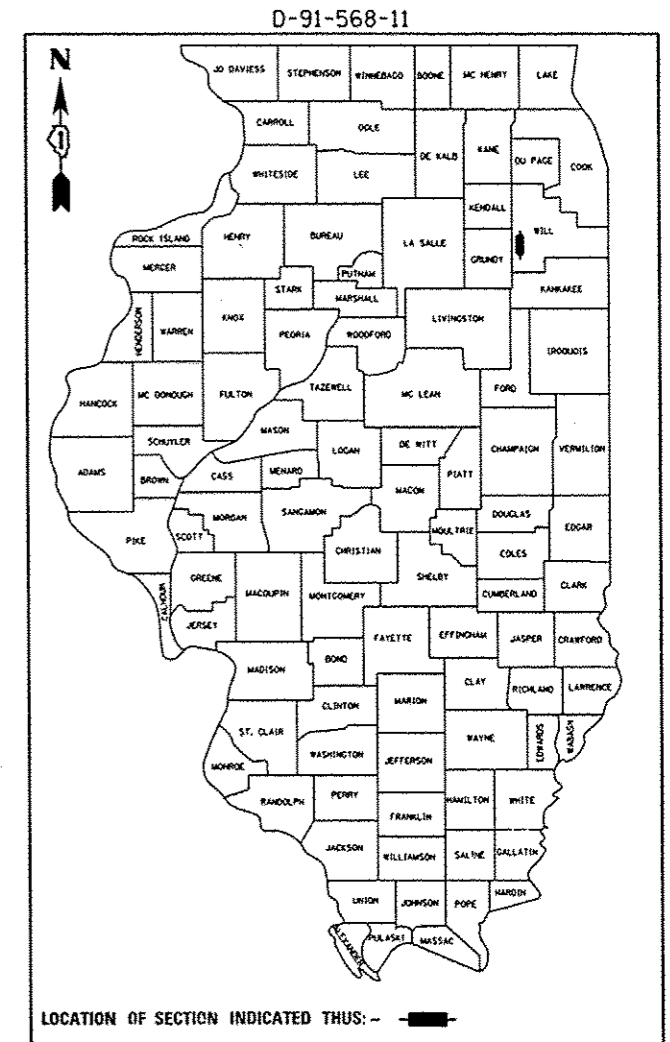
STATE OF ILLINOIS 06-13-14 LETTING ITEM 017

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	1
		ILLINOIS	CONTRACT NO. 60P51	

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

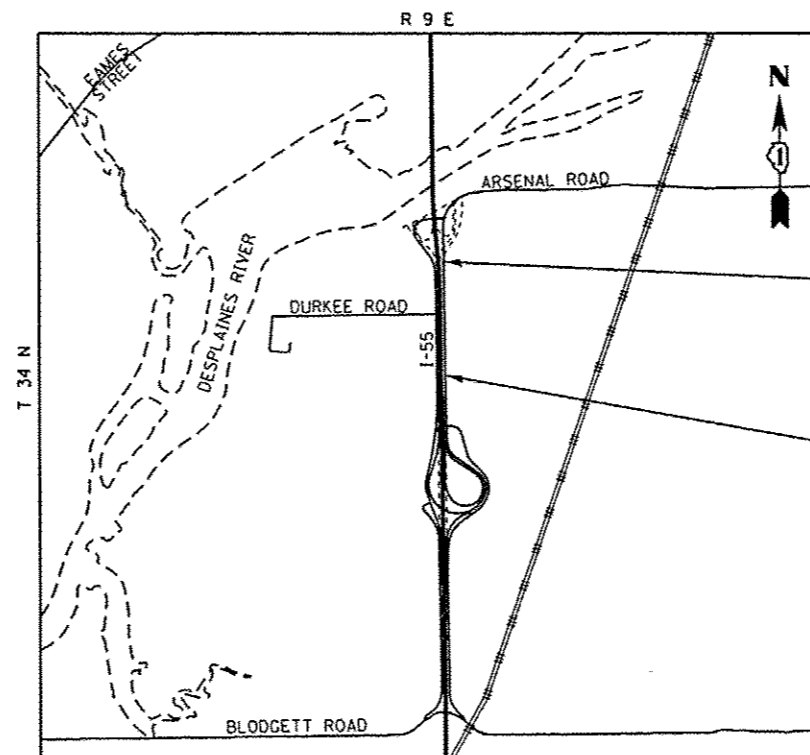
**PROPOSED
HIGHWAY PLANS**

FAU 4301 (FAI 55-1-55 E. FRONTAGE RD.)
SECTION 99-IAC-2
I-55 AT ARSENAL ROAD INTERCHANGE
NORTHBOUND FRONTAGE ROAD
RECONSTRUCTION AND WIDENING
PROJECT: *ACM-4301 (001)*
WILL COUNTY
C-91-568-11



LOCATION OF SECTION INDICATED THUS: -

SA STRAND ASSOCIATES
1170 SOUTH HOBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273



END IMPROVEMENT
STA 952+75.00 @ ARSENAL RD

BEGIN IMPROVEMENT
STA 920+22.05 @ ARSENAL ROAD

LOCATION MAP
SCALE = 1:2400

LENGTH OF PROJECT
ARSENAL ROAD = 3,252.95 FT = 0.616 MI
GROSS AND NET LENGTH = 3,252.95 FT = 0.616 MI

9/19/13
MARC A. GRIGAS, P.E.
exp 11/30/13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *9/24/13* *13*

John Frank
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 9 20 14
John D. Baranzoni, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

May 9 20 14
Omer Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

9/19/2013 10:16:37 AM S:_M\16300-6899\6346\04\SUB\Teros\CA00 Sheet\51\60P51-SMT-COVER01.dgn

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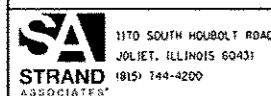
IDOT HIGHWAY STANDARDS:

000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
420101-04	24' (7.2m) JOINTED PCC PAVEMENT
420106-04	36' (10.8m) JOINTED PCC PAVEMENT
483001-04	PCC SHOULDER
601001-04	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAINS
701101-04	OFF-ROAD OPERATIONS, MULTILANE, LESS THAN 4.5 M (15') TO 600 MM (24") FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 4.5 M (15') AWAY
701421-05	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS = 45 MPH TO 55 MPH
701422-06	LANE CLOSURE, MULTILANE, FOR SPEEDS = 45 MPH TO 55 MPH
701423-07	LANE CLOSURE, MULTILANE + BARRIER, FOR SPEEDS = 45 MPH TO 55 MPH
701426-06	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
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701901-03	TRAFFIC CONTROL DEVICES
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720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-04	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

IDOT DISTRICT ONE STANDARD DETAILS:

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BD-52	DETAIL OF PAVEMENT SEPARATION JOINT FOR JOINTED PCC
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS.
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKER (SNOW-PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC
TC-18	SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING

FILE NAME = S:\JULI-15-2014-639916346-043\cross\CA00 Sheet\10160P01-DHT-INDEX1.dgn



USER NAME = dennis	DESIGNED = MAG	REVISED =
MODEL NAME = Default	DRAWN = JKP/DJW	REVISED =
PLOT SCALE = 100.0000 / 1 in.	CHECKED = BMA	REVISED =
PLOT DATE = 2/10/2014	DATE = 12-5-12	REVISED =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS & HIGHWAY STANDARDS

SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	F.A.I. RTE. 55	SECTION 99-IAC-2	COUNTY WILL	TOTAL SHEETS 102	SHEET NO. 2
							CONTRACT NO. 60P51
ILLINOIS FED. AID PROJECT							

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE ACCORDING TO THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JAN. 1, 2012, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2014, THE DETAILS IN THESE PLANS, AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO FULL SIZE PLANS AND NOT TO THE REDUCED SIZE PLANS. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE LOCATION AND ELEVATION OF THE VARIOUS UNDERGROUND UTILITIES AS SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL USE SPECIAL CARE WHEN CONDUCTING CONSTRUCTION OPERATIONS NEAR THEM AND IS RESPONSIBLE FOR ANY DAMAGE CAUSED.
- THE CONTRACTOR SHALL NOTIFY THE AGENCIES AND UTILITIES AT LEAST 10 DAYS PRIOR TO ANY CONSTRUCTION IN THE AREA AND SHALL COMPLY WITH ALL RESTRICTIONS FOR EQUIPMENT MOVEMENTS AND CLEARANCES IN REGARDS TO THEIR FACILITIES.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT 847-705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR SHALL ENSURE ALL PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OF WORK
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKER MONUMENTS UNTIL THE OWNER, AN AUTHORIZED AGENT, OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUB-SECTION MONUMENTS DISRUPTED BY THEIR OPERATIONS.
- THE THICKNESS OF HMA AND PCC PAVEMENT SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA OR PCC IS PLACED.
- EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
- BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
- SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.
- THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE, AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THIS WORK SHALL BE PAID FOR PER ART. 105.07 OF THE STANDARD SPECIFICATIONS. LOCATING UTILITIES SHALL BE PAID PER ART. 109.04.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- USE EPOXY-COATED TIE BARS, CONFORMING TO ART. 1006.10 OF THE STANDARD SPECIFICATIONS, FOR ALL TIE BARS.
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
- DAMAGE DONE TO THE EXISTING AGGREGATE SUBGRADE IMPROVEMENT BY THE CONTRACTOR DURING HIS WORK SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE. AGGREGATE BASE REPAIR AND PREPARATION OF BASE WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF PAVEMENT REMOVAL.

- MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:
ALLIANCE: CHRIS CLEVELAND 815-370-3520
AT&T: MITCH CULLEN 630-573-6447
COM ED: TIM COSLET 815-724-5010
MGT: JUSTIN MALONEY 815-690-7901
NICOR: ED VANSOIT 815-740-4100 EXT 261
ONE OK NORTH: LEIGH CLARK 630-257-5404
TEPPCO: MIKE BOOMSMA 708-906-8659
- UTILITIES NOT INCLUDED IN JULIE BUT ARE KNOWN TO BE WITHIN LIMITS OF IMPROVEMENT ARE: IDOT LIGHTING.
- THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.
- THE CONTRACTOR SHALL MAINTAIN EXISTING STREET ACCESS, EXISTING DRIVEWAY ACCESS, AND PEDESTRIAN ACCESS TO ADJUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT, UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE ITEM "TEMPORARY ACCESS (COMMERCIAL ENTRANCE)".
- SAWING OF REMOVAL ITEMS AS NOTED ON THE PLANS, SPECIFIED IN THE STANDARD SPECIFICATIONS, OR AS REQUIRED BY THE ENGINEER SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS CONTRACT.
- THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK (LUST) CLEANUPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.
- THE PHASE III CONSULTANT WILL BE RESPONSIBLE FOR THE RE-ESTABLISHMENT OF CONTROL AND TIE POINTS AS SHOWN ON THE ALIGNMENT, TIES, AND BENCHMARKS SHEETS. THE CONTRACTOR SHALL COORDINATE THE RE-ESTABLISHMENT OF THE EXISTING CONTROL AND TIE POINTS DISTURBED BY THE CONSTRUCTION ACTIVITIES WITH THE RESIDENT ENGINEER AND PHASE III CONSULTANT. EXISTING CONTROL AND TIE POINT LOCATIONS THAT ARE CONSIDERED NOT VIABLE UNDER THE FINAL CONDITIONS MAY BE RE-ESTABLISHED AT A MORE FEASIBLE LOCATION, AS APPROVED BY THE RESIDENT ENGINEER. THE PHASE III CONSULTANT SHALL SUBMIT DOCUMENTATION OF ALL RE-ESTABLISHED CONTROL AND TIE POINTS TO THE DEPARTMENT NO LATER THAN ONE (1) MONTH AFTER COMPLETION OF THE CONTRACT.
- THE TIE BARS AT THE LONGITUDINAL CONSTRUCTION JOINT BETWEEN THE PCC SHOULDER AND THE ANCHOR SLAB SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST PER SQUARE YARD OF THE PCC SHOULDER.
- THE TIE BARS AT THE LONGITUDINAL CONSTRUCTION JOINT BETWEEN PCC PAVEMENT SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST PER SQUARE YARD OF THE PCC PAVEMENT.
- BEDROCK AND UTILITY ELEVATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY IN FIELD.
- THE RESIDENT ENGINEER SHALL CONTACT CORY JUCIUS, ARTERIAL TRAFFIC OPERATIONS ENGINEER AT (847) 705-4411 A MINIMUM OF TWO WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- LAYOUT AND STAKING FOR ALL CONSTRUCTION OPERATIONS SHALL BE PROVIDED BY THE CONTRACTOR.
- CLEARING OF BRUSH, BUSHES AND TREES WITH A DIAMETER LESS THAN 6 INCHES WILL NOT BE PAID FOR SEPARATELY PER SECTION 202 OF THE STANDARD SPECIFICATIONS.
- WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, OR CATCH BASINS. THEY SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE SAME. THEY SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET SHALL BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT ROADSIDE DRAINAGE SYSTEM IS BUILT AND IN SERVICE. THIS WORK WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- PROPOSED END SECTIONS SHALL BE SLOPED TO MATCH THE PROPOSED CULVERTS. PIPE CULVERT LENGTHS IN SCHEDULES DO NOT INCLUDE THE LENGTH OF END SECTION WHERE APPLICABLE.


- ALL SUBSURFACE DRAINS AND/OR FIELD TILES ENCOUNTERED IN THE ROADWAY EXCAVATION SHALL BE REMOVED AND CONSIDERED TO BE INCLUDED IN THE COST OF EARTH EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CAPPING THE EXISTING SUBSURFACE DRAINS OR CONNECTING TO THE PROPOSED DITCHES AT THE LOCATIONS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- UNDERDRAIN MINIMUM SLOPES SHALL BE 0.20% AND HAVE BEEN IDENTIFIED ON THE DRAINAGE PLAN AND PROFILE SHEETS. TRANSVERSE UNDERDRAINS SHALL MATCH THE CROSS SLOPE OF THE ROADWAY SURFACE.
- REMOVAL OF PIPE CULVERT END SECTIONS SHALL BE PAID PER FOOT UNDER PIPE CULVERT REMOVAL.
- IT IS ASSUMED THAT THE TOP 9 INCHES OF THE EXISTING GROUND OUTSIDE THE PAVEMENT SHALL BE EXCAVATED AND RE-SPREAD. QUANTITIES FOR THIS WORK ARE INCLUDED IN TOP SOIL EXCAVATION AND PLACEMENT.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION, DIRECTION AND MEANS/METHOD OF CONSTRUCTION.
- QUANTITIES AND ASSOCIATED PAY ITEMS FOR EARTHWORK, LANDSCAPE RESTORATION, AND EROSION CONTROL WERE DEVELOPED ACCORDING TO THE NECESSARY GRADING FOR THE PROJECT AS SHOWN IN THE CROSS SECTIONS. AREAS DISTURBED BEYOND THE SLOPE INTERCEPTS SHALL HAVE EROSION CONTROL AND LANDSCAPING RESTORATION ACCORDING TO THE ADJACENT REQUIREMENTS SHOWN IN THE PLANS. THE GROUND SHALL BE GRADED AND RESTORED TO MATCH THE EXISTING PRE-CONSTRUCTION CONDITIONS. ALL WORK DESCRIBED ABOVE BEYOND THE SLOPE INTERCEPTS WILL NOT BE PAID FOR SEPARATELY AND SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION.
- THE HOLES CREATED IN THE NEW PCC PAVEMENT FROM PINNING THE TEMPORARY IMPACT ATTENUATORS AND TEMPORARY CONCRETE BARRIERS SHALL BE FILLED WITH GROUT. FILLING THE HOLES WITH GROUT SHALL BE INCLUDED IN THE COST OF IMPACT ATTENUATORS, TEMPORARY AND TEMPORARY CONCRETE BARRIER.
- PRECAST CONCRETE BOX CULVERT SECTIONS AND END SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 540.06 OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE REQUIREMENTS OF AASHTO M 273. THE MINIMUM CONCRETE STRENGTH SHALL BE 5,000 PSI. REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 31, M 42, OR M 53 GRADE 60. LIFTING HOLES SHALL BE FILLED WITH CONCRETE PLUGS AND MASTIC AFTER BOX SECTIONS ARE IN PLACE.

COMMITMENTS

- THE PROJECT AREA CONTAINS BOTH SENSITIVE PLANT AND ANIMAL SPECIES THAT SHALL BE AVOIDED DURING CONSTRUCTION. A TRAINING SESSION SHALL BE CONDUCTED BY THE ENGINEER DURING THE PRECONSTRUCTION MEETING TO ALERT PROJECT PERSONNEL ON THE NEED TO AVOID ACCIDENTAL INTRUSIONS OR SPILLS IN THE SENSITIVE AREAS. THE TRAINING SESSION WILL ALSO ADVISE PROJECT PERSONNEL TO AVOID ACCIDENTAL INTRUSIONS OR SPILLS INTO NOTE-WORTHY BOTANICAL AND WETLAND AREAS. ALL SENSITIVE AREAS ARE TO BE FENCED OFF AND CLEARLY MARKED AS SHOWN ON THE EROSION AND SEDIMENT CONTROL DRAWINGS.
- PRIOR TO CONSTRUCTION COMMENCING IN THE INTERSTATE 55/ARSENAL ROAD INTERCHANGE AREA, THE LOCATION OF THE FALSE MALLOW, BLANDING'S TURTLE, AND RED-TAILED PRAIRIE LEAFHOPPER WILL BE IDENTIFIED AND FENCING WILL BE ERECTED AROUND THE AREA TO PREVENT THE INTRUSION OF PERSONNEL AND VEHICLES. ALSO, A TRAINING SESSION WILL BE HELD AT THE PRE-CONSTRUCTION MEETING TO ALERT CONSTRUCTION PERSONNEL OF THE SENSITIVITY OF THE PLANT AND ANIMAL SPECIES AND THE NEED TO AVOID ACCIDENTAL INTRUSIONS OR SPILLS IN THE AREA. THE TRAINING SESSION WILL ALSO ADDRESS ACCIDENTAL INTRUSIONS INTO THE NOTEWORTHY BOTANICAL AREAS THAT WILL NOT BE IMPACTED.

☐ DENOTES WORK INCLUDED IN THE COST OF OTHER ITEMS.

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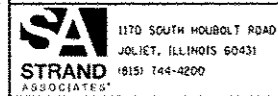
 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-9200	USER NAME = dennisw MODEL NAME = Default PLOT SCALE = 100.0000 / 1 in. PLOT DATE = 9/18/2014	DESIGNED - MAG DRAWN - JKP/DJW CHECKED - BMA DATE - 12-5-12	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES AND COMMITMENTS	F.A.I. RTE. 55 SECTION 99-1AC-2 COUNTY WILL TOTAL SHEETS 102 SHEET NO. 3 CONTRACT NO. 60P51	SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT
	DENOTES WORK INCLUDED IN THE COST OF OTHER ITEMS.							

CONSTRUCTION CODE
ROADWAY 0003
80% FED.
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	43	43
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	89	89
20200100	EARTH EXCAVATION	CU YD	9,745	9,745
+ 20200200	ROCK EXCAVATION	CU YD	495	495
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2,865	2,865
20800150	TRENCH BACKFILL	CU YD	22	22
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	3,785	3,785
25000210	SEEDING, CLASS 2A	ACRE	3.25	3.25
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	329	329
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	329	329
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	329	329
⊙ 25000750	MOWING	ACRE	3	3
25100135	MULCH, METHOD 4	ACRE	3.25	3.25
25100630	EROSION CONTROL BLANKET	SQ YD	17,693	17,693

+ SPECIALTY ITEM
⊙ 100% STATE (NP)

FILE NAME = S:\JUL16200--S39916346\043\Micro\Load Sheet\0160P51-int-500.dgn



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennis
MODEL NAME = Default
PLOT SCALE = 2,000' / 1" =
PLOT DATE = 2/18/2014

DESIGNED - MAG
DRAWN - JKP/DJW
CHECKED - BMA
DATE - 12-5-12

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 1 OF 7 SHEETS STA. TO STA.

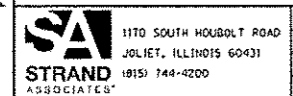
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	4
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	

CONSTRUCTION CODE	
ROADWAY	0003
80% FED.	20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	340	340
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	5,402	5,402
28000305	TEMPORARY DITCH CHECKS	FOOT	190	190
28000400	PERIMETER EROSION BARRIER	FOOT	2,880	2,880
28000500	INLET AND PIPE PROTECTION	EACH	11	11
28000510	INLET FILTERS	EACH	14	14
28001000	AGGREGATE (EROSION CONTROL)	TON	57	57
28100105	STONE RIPRAP, CLASS A3	SO YD	35	35
28100107	STONE RIPRAP, CLASS A4	SO YD	52	52
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	44	44
30300104	AGGREGATE SUBGRADE IMPROVEMENT 4"	SO YD	417	417
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	7,661	7,661
31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	324	324
31200502	STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"	SO YD	5,229	5,229

+ SPECIALTY ITEM

FILE NAME = S:\JULI6380-6099\6345\645\micro\CA00 Sheet\JULI6380.dgn



USER NAME	= dennisw
MODEL NAME	= Default
PLOT SCALE	= 2.0000 1" = 10'
PLOT DATE	= 3/31/2014

DESIGNED	= MAG
DRAWN	= JKP/DJW
CHECKED	= BMA
DATE	= 12-5-12

REVISED	=
REVISED	=
REVISED	=
REVISED	=

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 2 OF 7 SHEETS STA. TO STA.

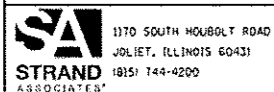
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	5
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	

CONSTRUCTION CODE
ROADWAY 0003
80% FED.
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN
40600895	CONSTRUCTING TEST STRIP	EACH	1	1
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	3,873	3,873
42300600	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 10 INCH	SQ YD	1,209	1,209
44000100	PAVEMENT REMOVAL	SQ YD	2,445	2,445
44000189	HOT-MIX ASPHALT SURFACE REMOVAL, 10"	SQ YD	114	114
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	2,306	2,306
48203037	HOT-MIX ASPHALT SHOULDERS, 10"	SQ YD	121	121
48300500	PORTLAND CEMENT CONCRETE SHOULDERS 10"	SQ YD	2,901	2,901
50105220	PIPE CULVERT REMOVAL	FOOT	379	379
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	2
54001002	BOX CULVERT END SECTIONS, CULVERT NO. 2	EACH	2	2
54001003	BOX CULVERT END SECTIONS, CULVERT NO. 3	EACH	2	2
54010302	PRECAST CONCRETE BOX CULVERTS 3' X 2'	FOOT	80	80
54010402	PRECAST CONCRETE BOX CULVERTS 4' X 2'	FOOT	152	152

+ SPECIALTY ITEM

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MODEL NAME = Default
PLOT SCALE = 2.0000' / in.
PLOT DATE = 3/31/2014

DESIGNED - MAG
DRAWN - JKP/DJW
CHECKED - BMA
DATE - 12-5-12

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	6
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	

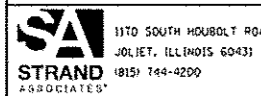
CONSTRUCTION CODE

ROADWAY 0003
80% FED.
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	13	13
60107700	PIPE UNDERDRAINS 6"	FOOT	3,110	3,110
60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	292	292
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	60	60
60618730	CONCRETE MEDIAN, TYPE M-2.06	SQ FT	120	120
60618740	CONCRETE MEDIAN, TYPE M-2.12	SQ FT	576	576
+ 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	500	500
+ 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1
+ 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2
67100100	MOBILIZATION	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	27	27
70106800	CHANGEABLE MESSAGE SIGN	CAL MD	8	8
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,804	1,804
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	14,780	14,780

+ SPECIALTY ITEM

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MODEL NAME = Defaults
PLOT SCALE = 2.0000' / 1" =
PLOT DATE = 2/18/2014

DESIGNED - MAG
DRAWN - JKP/DJW
CHECKED - BMA
DATE - 12-5-12

REVISED -
REVISED -
REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 4 OF 7 SHEETS STA. TO STA.

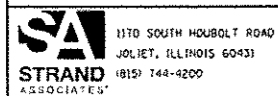
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	7

CONTRACT NO. 60P51
ILLINOIS FED. AID PROJECT

CONSTRUCTION CODE
ROADWAY 0003
80% FED.
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN
70400100	TEMPORARY CONCRETE BARRIER	FOOT	962.5	962.5
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	102	102
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	5	5
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
+ 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1
+ 73700200	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	2	2
+ 78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	50 FT	416	416
+ 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	21,818	21,818
+ 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	1,245	1,245
+ 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	901	901
+ 78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	90	90
+ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	387	387
+ 78100300	REPLACEMENT REFLECTOR	EACH	146	146
+ 78200530	BARRIER WALL MARKERS, TYPE C	EACH	82	82
+ 14	SPECIALTY ITEM			

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PLOT SCALE = 2,0000' / 1"	CHECKED - BMA	REVISED -
PLOT DATE = 3/18/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES	
SCALE: N/A	SHEET 5 OF 7 SHEETS
STA.	TO STA.

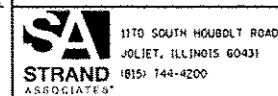
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CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	

CONSTRUCTION CODE
ROADWAY 0003
80% FED.
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN
78300100	PAVEMENT MARKING REMOVAL	SO FT	6,536	6,536
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1	1
X0326020	UTILITY PROTECTION PAD	SO YD	142	142
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	16	16
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	4	4
X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	11,765	11,765
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	4	4
X6700600	ENGINEER'S FIELD LABORATORY (SPECIAL)	CAL MO	4	4
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
X7030025	WET REFLECTIVE TEMPORARY TAPE, TYPE III - LETTERS AND SYMBOLS	SO FT	546	546
X7030030	WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH	FOOT	35,964	35,964
X7030040	WET REFLECTIVE TEMPORARY TAPE TYPE III, 6 INCH	FOOT	1,414	1,414
X7030050	WET REFLECTIVE TEMPORARY TAPE TYPE III, 12 INCH	FOOT	937	937
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1

+ SPECIALTY ITEM

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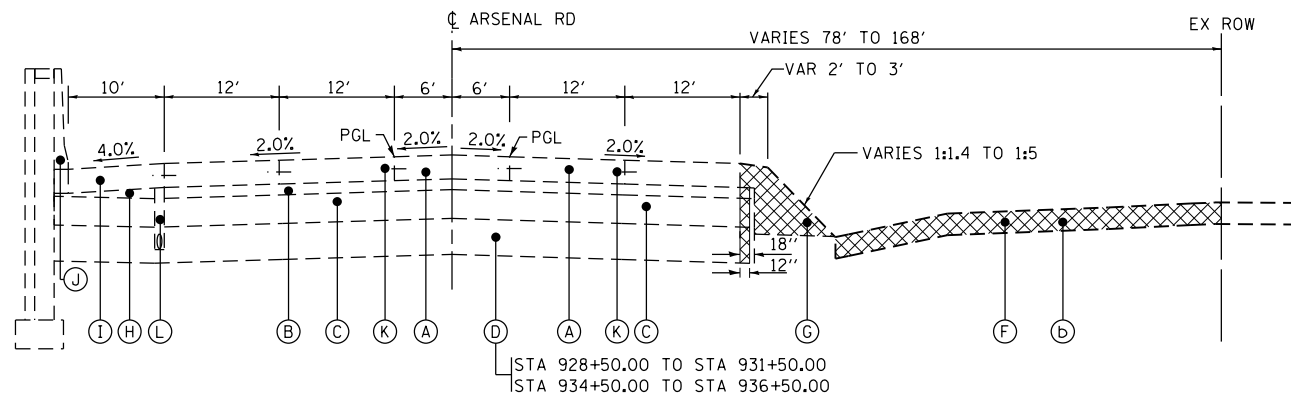
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennis	DESIGNED - MAC	REVISED -
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
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PLOT DATE = 3/31/2014	DATE - 12-5-12	REVISED -

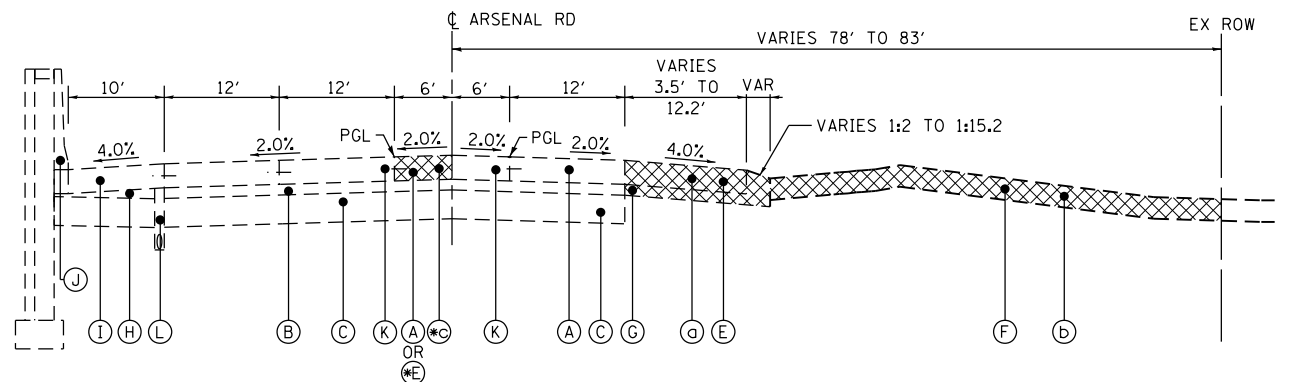
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
SCALE: N/A SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	9
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	

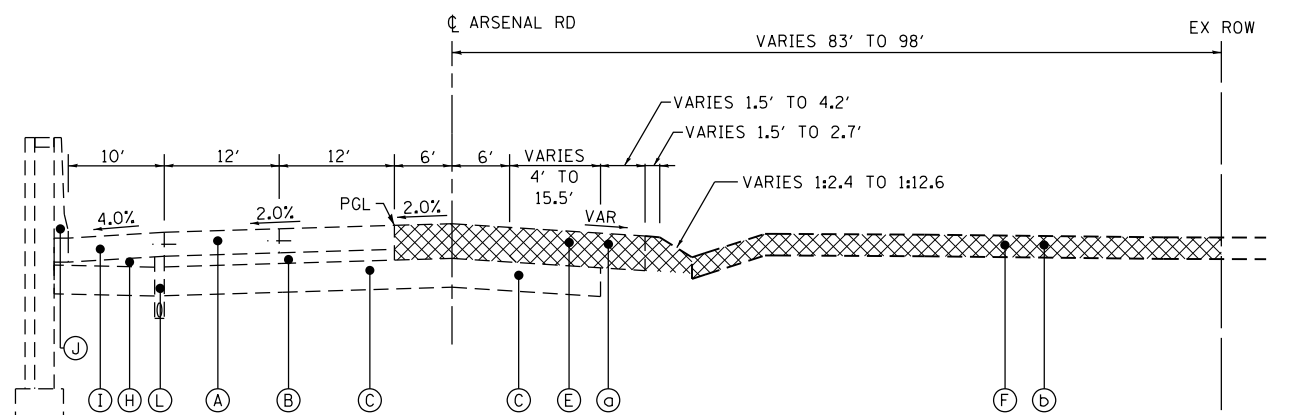


EXISTING TYPICAL SECTION - ARSENAL RD
STA 920+22.05 TO STA 942+49.89

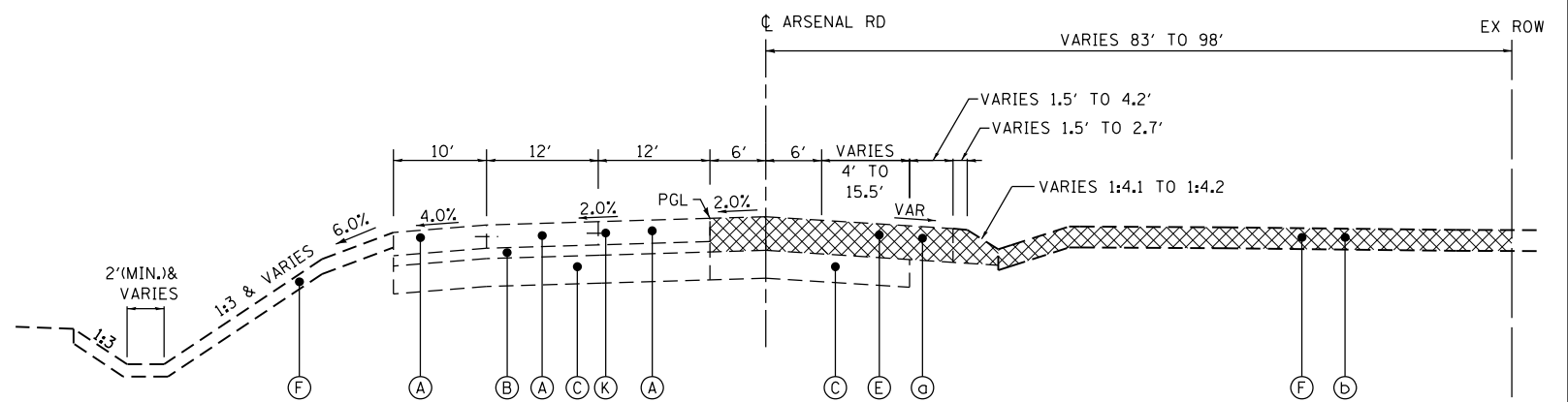


EXISTING TYPICAL SECTION - ARSENAL RD
STA 942+49.89 TO STA 946+49.80

*C#E STA 944+80.00 TO STA 946+49.80



EXISTING TYPICAL SECTION - ARSENAL RD
STA 946+49.80 TO STA 950+35.99



EXISTING TYPICAL SECTION - ARSENAL RD
STA 950+35.99 TO STA 952+75.00

EXISTING LEGEND

- (A) PORTLAND CEMENT CONCRETE PAVEMENT, 10"
- (B) STABILIZED SUB-BASE, HMA 4-1/2"
- (C) AGGREGATE SUBGRADE IMPROVEMENTS, 12"
- (D) AGGREGATE SUBGRADE, (DEPTH VARIES)
- (E) HMA PAVEMENT, 10" TO 24" AND VARIES
- (F) 9" TOPSOIL
- (G) RECLAIMED ASPHALT PAVEMENT
- (H) SUB-BASE GRANULAR MATERIAL, TYPE B
- (I) PORTLAND CEMENT CONCRETE SHOULDERS 10"
- (J) CONCRETE BARRIER WALL
- (K) TIE BARS
- (L) PIPE UNDERDRAINS 6", 36" NOMINAL DEPTH

REMOVAL LEGEND

- (a) PAVEMENT REMOVAL
- (b) 9" TOPSOIL EXCAVATION
- (c) HOT-MIX ASPHALT SURFACE REMOVAL, 10"
- (X) REMOVAL ITEM

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MODEL NAME = Default
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PLOT DATE = 3/21/2014

DESIGNED - MAG
DRAWN - JKP/DJW
CHECKED - BMA
DATE - 12-5-12

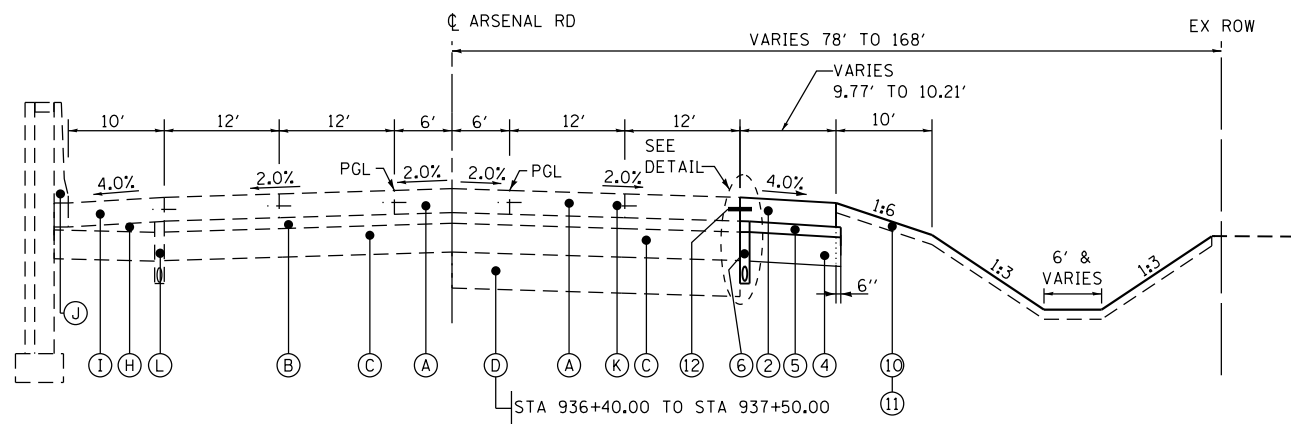
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

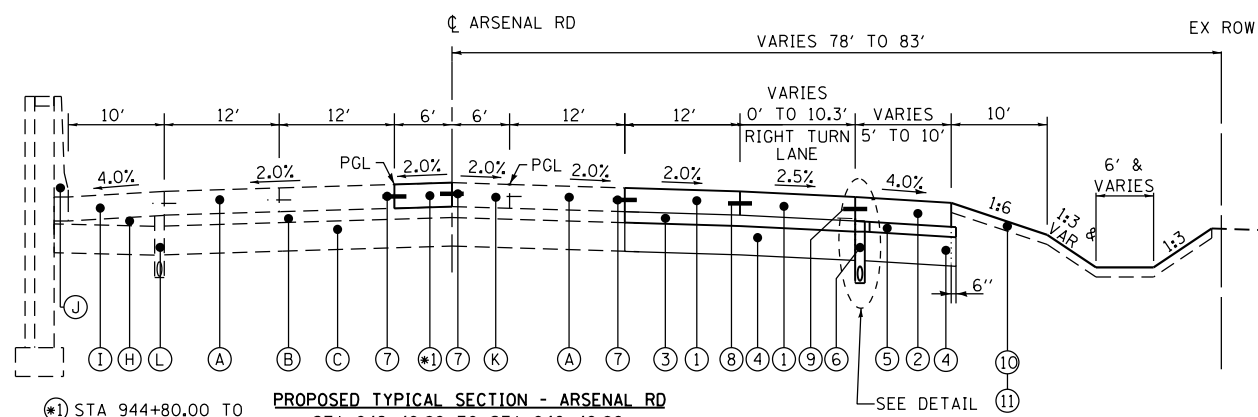
TYPICAL SECTIONS

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	11
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	



PROPOSED TYPICAL SECTION - ARSENAL RD
STA 920+22.05 TO STA 942+49.89



PROPOSED TYPICAL SECTION - ARSENAL RD
STA 942+49.89 TO STA 946+49.80

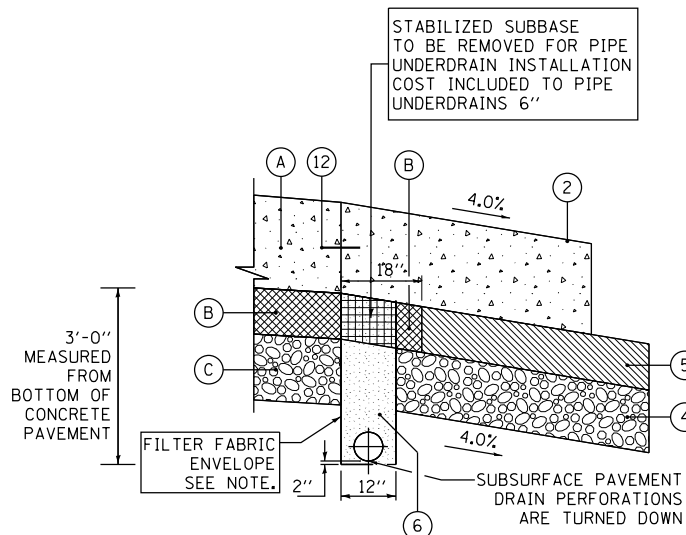
- EXISTING LEGEND**
- (A) PORTLAND CEMENT CONCRETE PAVEMENT, 10"
 - (B) STABILIZED SUB-BASE, HMA 4-1/2"
 - (C) AGGREGATE SUBGRADE IMPROVEMENTS, 12"
 - (D) AGGREGATE SUBGRADE, (DEPTH VARIES)
 - (E) HMA PAVEMENT, 10" AND VARIES
 - (F) 9" TOPSOIL
 - (G) RECLAIMED ASPHALT PAVEMENT
 - (H) SUB-BASE GRANULAR MATERIAL, TYPE B
 - (I) PORTLAND CEMENT CONCRETE SHOULDERS 10"
 - (J) CONCRETE BARRIER WALL
 - (K) TIE BARS
 - (L) PIPE UNDERDRAINS 6", 36" NOMINAL DEPTH

- PROPOSED LEGEND**
- (1) PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
 - (2) PORTLAND CEMENT CONCRETE SHOULDERS 10"
 - (3) STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
 - (4) AGGREGATE SUBGRADE IMPROVEMENT 12"
 - (5) SUB-BASE GRANULAR MATERIAL, TYPE B
 - (6) PIPE UNDERDRAINS 6"
 - (7) DRILL AND GROUT NO. 8 x 24" TIE BARS AT 24" CTS.
 - (8) LONGITUDINAL CONSTRUCTION JOINT NO. 8 x 24" TIE BARS AT 24" CTS.
 - (9) LONGITUDINAL SAWED JOINT NO. 6 x 30" TIE BARS AT 30" CTS.
 - (10) 4" TOPSOIL PLACEMENT
 - (11) SEEDING, CLASS 2A
 - (12) DRILL AND GROUT NO. 6 x 24" TIE BARS AT 24" CTS.
 - (13) LONGITUDINAL SAWED JOINT NO. 8 x 30" TIE BARS AT 30" CTS.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

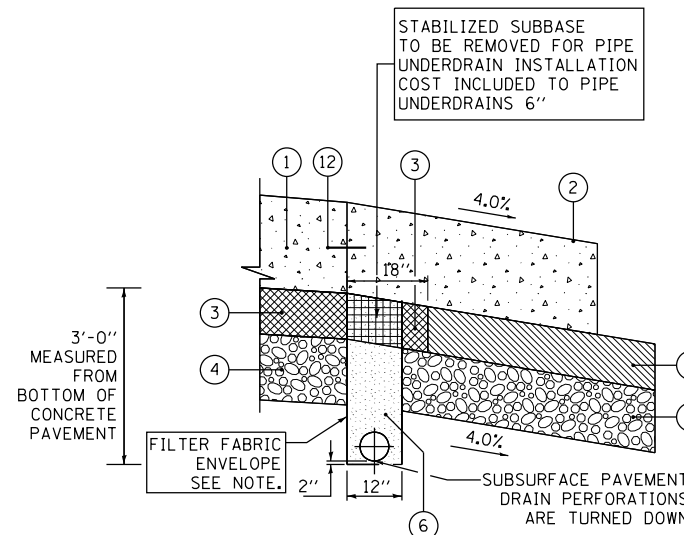
MIXTURE TYPE	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
HOT-MIX ASPHALT SHOULDERS, 10"	4% @ 50 Gyr.	QC/OA
HMA SHOULDER (HMA BINDER IL-19 mm)		
STABILIZED SUB-BASE HOT-MIX ASPHALT, 4 1/2"	3% @ 50 Gyr.	QCP
STABILIZED SUBBASE HMA (HMA BINDER IL-19.0mm)		
TEMPORARY PAVEMENT, 8"	4% @ 50 Gyr.	QC/OA
HOT-MIX ASPHALT BINDER COURSE, IL-19mm, N50, 8"		

- NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SO YD/IN.
- NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS. FOR USE OF RECYCLES MATERIALS SEE SPECIAL PROVISIONS. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE MIXTURE.
- NOTE 3: PC CONCRETE TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ARTICLE 1020 OF THE STANDARD SPECIFICATIONS, 8" THICK. TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.



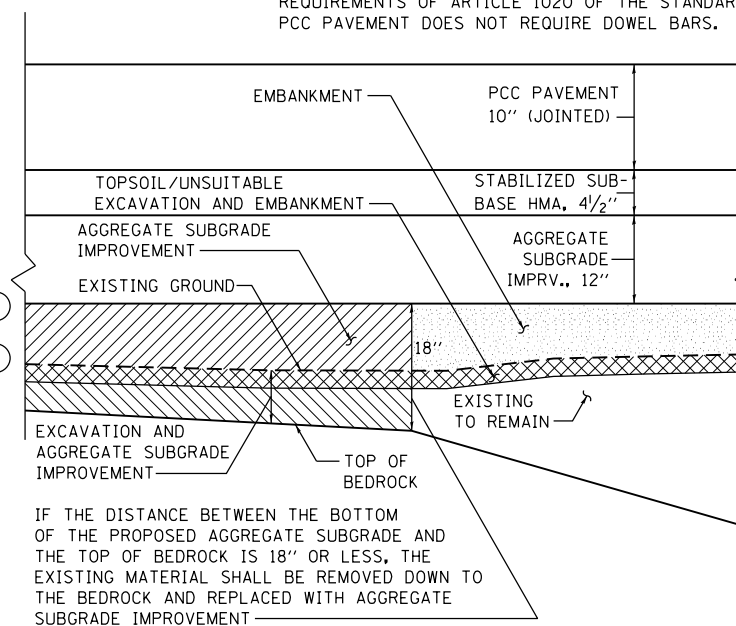
NOTE:
THE COST OF FILTER FABRIC AND POROUS GRANULAR BACKFILL INCLUDED IN THE PRICE OF PIPE UNDERDRAINS 6".

PIPE UNDERDRAIN 6"
STA 920+22.05 TO STA 942+49.89



NOTE:
THE COST OF FILTER FABRIC AND POROUS GRANULAR BACKFILL INCLUDED IN THE PRICE OF PIPE UNDERDRAINS 6".

PIPE UNDERDRAIN 6"
STA 942+49.89 TO STA 952+75.00



AGGREGATE SUBGRADE IMPROVEMENT ABOVE BEDROCK DETAIL

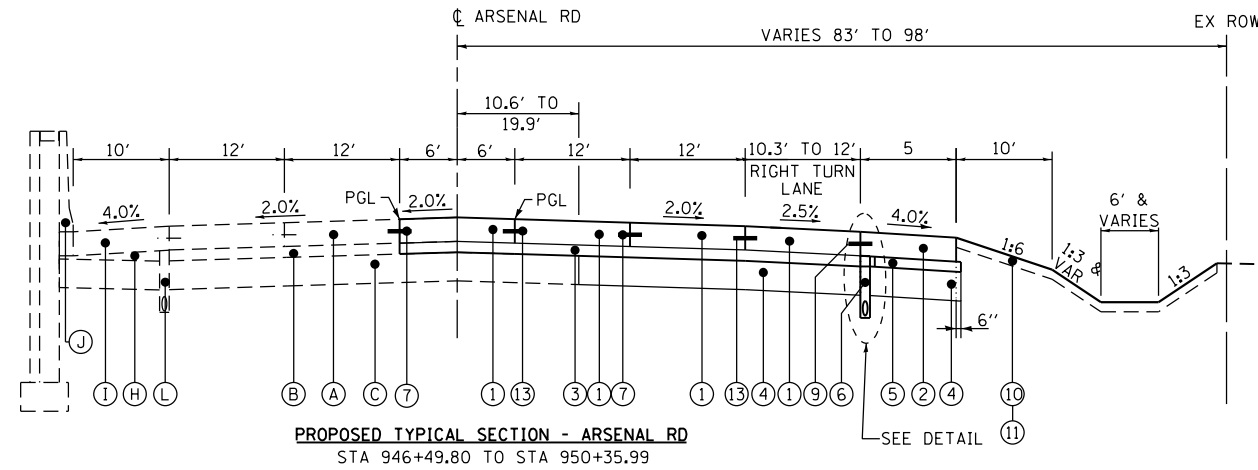
UNDERCUT SCHEDULE

LOCATION (STA. TO STA.)	DEPTH (INCHES)
936+40 TO 937+50	TO BEDROCK

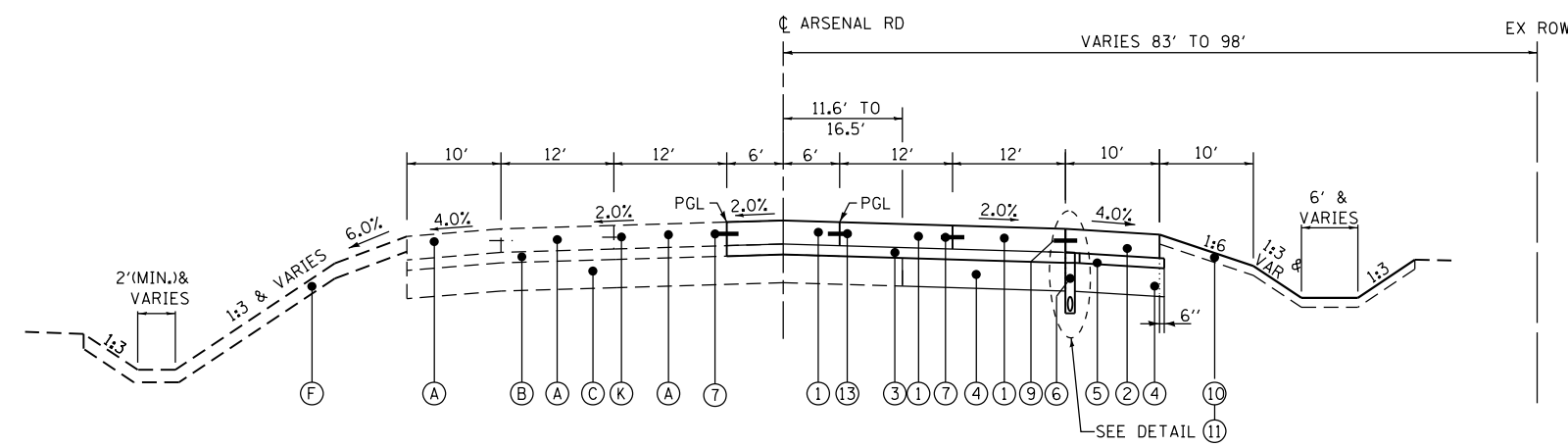
- NOTES:
- UNDERCUT SHALL BE PAID FOR AS REMOVAL & DISPOSAL OF UNSUITABLE MATERIALS.
 - REPLACEMENT MATERIAL SHALL BE PAID FOR AS AGGREGATE SUBGRADE IMPROVEMENT.

☐ DENOTES WORK INCLUDED IN THE COST OF OTHER ITEMS.

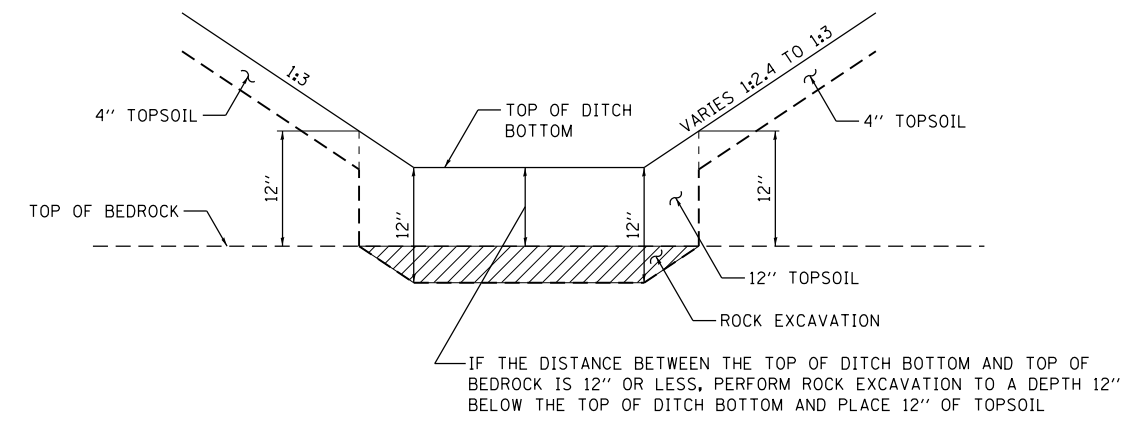
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PROPOSED TYPICAL SECTION - ARSENAL RD
STA 946+49.80 TO STA 950+35.99



PROPOSED TYPICAL SECTION - ARSENAL RD
STA 950+35.99 TO STA 952+75.00



ROCK EXCAVATION FOR DITCH BOTTOMS

- PROPOSED LEGEND**
- ① PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
 - ② PORTLAND CEMENT CONCRETE SHOULDERS 10"
 - ③ STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
 - ④ AGGREGATE SUBGRADE IMPROVEMENT 12"
 - ⑤ SUB-BASE GRANULAR MATERIAL, TYPE B
 - ⑥ PIPE UNDERDRAINS 6"
 - ⑦ DRILL AND GROUT NO. 8 x 24" TIE BARS AT 24" CTS.
 - ⑧ LONGITUDINAL CONSTRUCTION JOINT NO. 8 x 24" TIE BARS AT 24" CTS.
 - ⑨ LONGITUDINAL SAWED JOINT NO. 6 x 30" TIE BARS AT 30" CTS.
 - ⑩ 4" TOPSOIL PLACEMENT
 - ⑪ SEEDING, CLASS 2A
 - ⑫ DRILL AND GROUT NO. 6 x 24" TIE BARS AT 24" CTS.
 - ⑬ LONGITUDINAL SAWED JOINT NO. 8 x 30" TIE BARS AT 30" CTS.

- EXISTING LEGEND**
- (A) PORTLAND CEMENT CONCRETE PAVEMENT, 10"
 - (B) STABILIZED SUB-BASE, HMA 4-1/2"
 - (C) AGGREGATE SUBGRADE IMPROVEMENTS, 12"
 - (D) AGGREGATE SUBGRADE, (DEPTH VARIES)
 - (E) HMA PAVEMENT, 10" AND VARIES
 - (F) 9" TOPSOIL
 - (G) RECLAIMED ASPHALT PAVEMENT
 - (H) SUB-BASE GRANULAR MATERIAL, TYPE B
 - (I) PORTLAND CEMENT CONCRETE SHOULDERS 10"
 - (J) CONCRETE BARRIER WALL
 - (K) TIE BARS
 - (L) PIPE UNDERDRAINS 6", 36" NOMINAL DEPTH

☐ DENOTES WORK INCLUDED IN THE COST OF OTHER ITEMS.

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MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 3/21/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	13
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	

SCHEDULE OF TREE REMOVAL		
STATION	TREE REMOVAL (6 TO 15 UNITS DIAMETER) (UNIT) 20100110	TREE REMOVAL (OVER 15 UNITS DIAMETER) (UNIT) 20100210
924+00.00		36
943+25.00		18
943+45.00	13	
943+70.00		17
944+78.00	15	
944+95.00		18
945+19.00	15	
TOTAL	43	89

ARSENAL ROAD										
STAGE 1 EARTHWORK COMPUTATION										
LOCATION		EARTH EXCAVATION 20200100	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT	FURNISHED EXCAVATION 20400800	TOPSOIL EXCAVATION 21101505	TOPSOIL PLACEMENT (4")	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS 20201200		ROCK EXCAVATION 20200199
					EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)			TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-)	UNDERCUT AND OTHER UNSUITABLE MATERIAL	
STATION	STATION	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
919+00	920+00	1.07	0.91	15.45	-14.54	37.54	28.36	9.18	0.00	5.25
920+00	921+00	90.66	77.06	14.16	62.90	60.71	39.39	21.32	0.00	16.29
921+00	922+00	201.90	171.61	44.76	126.86	46.49	20.60	25.88	0.00	0.00
922+00	923+00	222.45	189.08	75.59	113.49	97.07	53.92	43.15	0.00	6.50
923+00	924+00	176.36	149.90	54.34	95.56	93.55	66.10	27.45	0.00	20.43
924+00	925+00	145.21	123.43	66.74	56.69	92.11	69.95	22.16	0.00	32.48
925+00	926+00	133.93	113.84	71.74	42.10	85.67	71.92	13.75	0.00	39.71
926+00	927+00	144.83	123.10	52.69	70.41	74.31	70.45	3.87	0.00	36.15
927+00	928+00	131.44	111.73	72.14	39.58	80.13	69.52	10.60	0.00	34.24
928+00	929+00	112.57	95.68	96.53	-0.85	88.76	65.73	23.03	0.00	25.91
929+00	930+00	153.78	130.71	32.04	98.67	42.48	21.51	20.97	0.00	4.73
930+00	931+00	128.54	109.26	54.11	55.14	84.64	31.81	52.83	0.00	6.11
931+00	932+00	117.69	100.03	105.44	-5.40	89.14	52.20	36.94	0.00	6.11
932+00	933+00	187.65	159.51	53.39	106.11	107.95	41.80	66.14	0.00	0.00
933+00	934+00	198.34	168.59	2.40	166.20	61.97	21.42	40.56	0.00	0.00
934+00	935+00	228.89	194.55	4.11	190.44	38.04	15.50	22.55	0.00	0.00
935+00	936+00	446.61	379.61	6.40	373.21	119.54	59.26	60.28	7.26	6.94
936+00	937+00	326.42	277.46	2.15	275.31	144.18	98.34	45.84	315.61	81.46
937+00	938+00	326.73	277.72	1.89	275.83	145.16	102.35	42.81	314.88	91.80
938+00	939+00	621.80	528.53	1.98	526.55	140.67	70.54	70.14	11.38	17.29
939+00	940+00	541.91	460.62	3.04	457.59	139.54	55.78	83.76	8.33	0.00
940+00	941+00	452.86	384.93	2.94	381.99	130.49	51.94	78.56	16.98	0.00
941+00	942+00	392.83	333.91	1.35	332.55	118.88	45.54	73.34	34.40	0.00
942+00	943+00	351.33	298.63	1.22	297.41	116.47	42.34	74.13	24.60	0.00
943+00	944+00	301.78	256.51	2.15	254.36	122.79	39.19	83.59	0.00	0.00
944+00	945+00	307.29	261.20	2.26	258.94	130.37	40.11	90.25	0.00	6.59
945+00	946+00	326.14	277.22	5.12	272.10	141.13	41.24	99.88	0.00	15.21
946+00	947+00	372.25	316.41	3.66	312.75	159.09	47.22	111.87	0.00	16.88
947+00	948+00	506.07	430.16	1.84	428.32	186.00	48.69	137.31	0.00	12.60
948+00	949+00	573.51	487.48	2.16	485.32	201.12	54.61	146.51	0.00	7.76
949+00	950+00	361.96	307.66	1.25	306.41	159.71	28.88	130.83	0.00	3.41
950+00	951+00	118.70	100.90	20.89	80.01	125.10	8.99	116.11	0.00	0.00
951+00	952+00	321.06	272.90	33.69	239.22	166.72	32.17	134.55	0.00	0.00
952+00	953+00	428.49	364.21	9.14	355.07	157.10	33.17	123.93	27.52	0.00
Totals		9,453.04	8,035.09	918.77	7,116.31	3,784.61	1,640.54	2,144.08	760.96	493.84

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MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60P51	

ARSENAL ROAD										
STAGE 2 EARTHWORK COMPUTATION										
LOCATION		EARTH EXCAVATION 20200100	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT	FURNISHED EXCAVATION 20400800	TOPSOIL EXCAVATION 21101505	TOPSOIL PLACEMENT (4")	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS 20201200		ROCK EXCAVATION 20200199
					EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)			TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-)	UNDERCUT AND OTHER UNSUITABLE MATERIAL	
STATION	STATION	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
944+00	945+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
945+00	946+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
946+00	947+00	22.16	18.84	0.00	18.84	0.00	0.00	0.00	0.00	0.00
947+00	948+00	44.36	37.71	0.00	37.71	0.00	0.00	0.00	0.00	0.00
948+00	949+00	44.34	37.69	0.00	37.69	0.00	0.00	0.00	0.00	0.00
949+00	950+00	44.31	37.67	0.00	37.67	0.00	0.00	0.00	0.00	0.00
950+00	951+00	44.31	37.67	0.00	37.67	0.00	0.00	0.00	0.00	0.00
951+00	952+00	22.16	18.83	0.00	18.83	0.00	0.00	0.00	0.00	0.00
952+00	952+75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Totals		221.65	188.40	0.00	188.40	0.00	0.00	0.00	0.00	0.00

ARSENAL ROAD										
STAGE 3 EARTHWORK COMPUTATION										
LOCATION		EARTH EXCAVATION 20200100	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT	FURNISHED EXCAVATION 20400800	TOPSOIL EXCAVATION 21101505	TOPSOIL PLACEMENT (4")	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS 20201200		ROCK EXCAVATION 20200199
					EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)			TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-)	UNDERCUT AND OTHER UNSUITABLE MATERIAL	
STATION	STATION	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
944+00	945+00	2.82	2.40	2.68	-0.28	0.00	3.18	-3.18	0.00	0.00
945+00	946+00	8.60	7.31	5.53	1.78	0.00	7.22	-7.22	0.00	0.00
946+00	947+00	2.89	2.46	1.43	1.03	0.00	2.02	-2.02	0.00	0.00
947+00	948+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
948+00	949+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
949+00	950+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
950+00	951+00	7.98	6.79	1.10	5.69	0.00	4.36	-4.36	0.00	0.00
951+00	952+00	24.81	21.08	4.81	16.28	0.00	16.82	-16.82	0.00	0.00
952+00	952+75	20.07	17.06	4.64	12.41	0.00	13.97	-13.97	0.00	0.00
Totals		67.16	57.09	20.19	36.90	0.00	47.57	-47.57	0.00	0.00

SUMMARY										
LOCATION		EARTH EXCAVATION 20200100	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT	FURNISHED EXCAVATION 20400800	TOPSOIL EXCAVATION 21101505	TOPSOIL PLACEMENT (4")	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS 20201200		ROCK EXCAVATION 20200200
					EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)			TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-)	UNDERCUT AND OTHER UNSUITABLE MATERIAL	
STATION	STATION	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
STAGE 1		9,453	8,035	919	7,116	3,785	1,641	2,144	761	494
STAGE 2		222	188	0	188	0	0	0	0	0
STAGE 3		67	57	20	37	0	48	-48	0	0
TOTAL QUANTITIES		9,745	8,285	940	7,345	3,785	1,690	2,100	765	495

SCHEDULE OF TEMPORARY EROSION CONTROL ITEMS					
FROM STATION	TO STATION	TEMPORARY DITCH CHECKS (FOOT) 28000305	PERIMETER EROSION BARRIER (FOOT) 28000400	INLET AND PIPE PROTECTION (EACH) 28000500	INLET FILTERS (EACH) 28000510
918+40.00					1
920+90.00					1
921+15.00	929+41.00		826		
921+26.95				1	
921+27.10				1	
921+27.71				1	
921+28.81				1	
921+75.00		10			
923+40.00					1
924+50.00		10			
925+90.00					1
927+20.00		10			
928+40.00					1
929+78.15				1	
930+10.14				1	
930+72.23				1	
930+90.00					1
931+00.00	933+86.00		286		
931+90.00		10			
933+40.00					1
934+55.45				1	
934+57.00	940+00.00		543		
934+80.84				1	
935+20.00		10			
935+80.00		10			
935+90.00					1
936+40.00		10			
937+00.00		10			
937+60.00		10			
938+20.00		10			
938+40.00					1
938+80.00		10			
939+40.00		10			
940+00.00		10			
940+40.00					1
940+60.00		10			
940+78.00	950+00.00		924		
941+20.00		10			
942+80.00		10			
945+10.00		10			
946+70.00		10			
946+70.00					1
948+30.00		10			
949+20.00					1
949+81.58				1	
950+03.00					1
950+04.00				1	
950+71.00					1
950+78.00	953+74.00		301		
TOTAL		190	2,880	11	14

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennissw
MODEL NAME = Default
PLOT SCALE = 2.0000' / 1" =
PLOT DATE = 2/18/2014

DESIGNED - MAG
DRAWN - JKP/DJW
CHECKED - BMA
DATE - 12-5-12

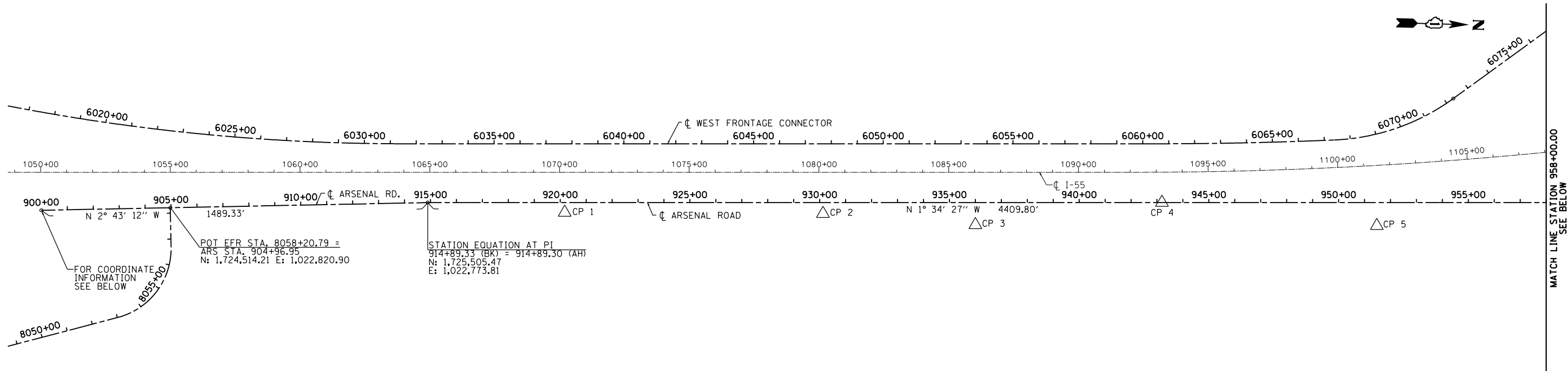
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

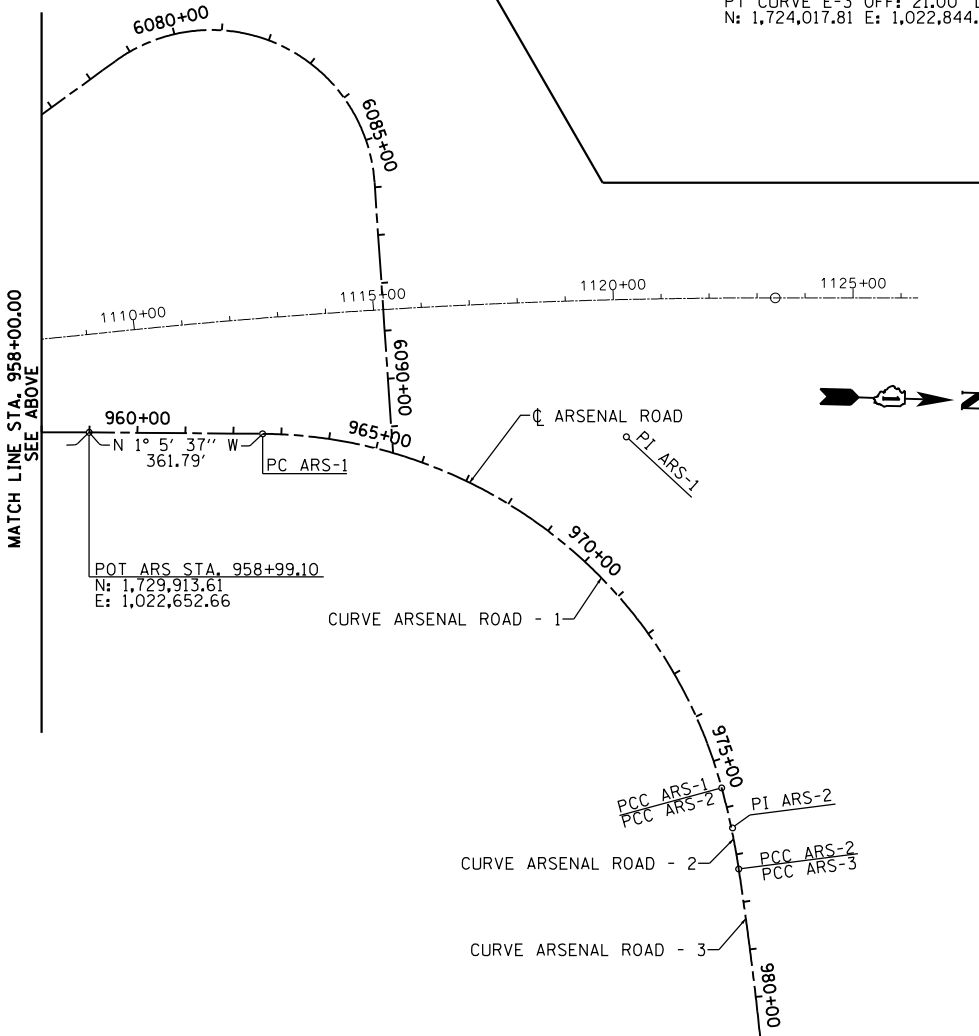
SCHEDULE OF QUANTITIES

SCALE: N/A SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	15
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	



COORDINATE INFORMATION
 ARSENAL ROAD
 POT ARS STA. 900+00.00 =
 POT RAMP B STA. 3000+00.00 OFF: 21.00' L =
 PT CURVE E-3 OFF: 21.00' L =
 N: 1,724,017.81 E: 1,022,844.49



CURVE ARSENAL ROAD - 1

P.I. STATION 970+18.91 N 1,731,033.21 E 1,022,631.29
 DELTA = 74° 19' 32" (RT)
 DEGREE = 5° 43' 46"
 RADIUS = 1,000.00'
 TANGENT = 758.02'
 LENGTH = 1297.22'
 EXTERNAL = 254.83'
 LONG CHORD = 1,208.16'
 MID. ORD. = 203.08'
 S.E. RATE = 4.00%
 S.E. IN = STA. 960+85.89 TO STA. 963+10.89
 P.C. STATION 962+60.89 N 1,730,275.33 E 1,022,645.76
 P.C.C. STATION 975+58.12 N 1,731,251.89 E 1,023,357.08

CURVE ARSENAL ROAD - 3

P.I. STATION 983+29.24 N 1,731,397.07 E 1,024,114.08
 DELTA = 8° 33' 11" (RT)
 DEGREE = 0° 42' 58"
 RADIUS = 8,000.00'
 TANGENT = 598.23'
 LENGTH = 1,194.23'
 EXTERNAL = 22.34'
 LONG CHORD = 1,193.12'
 MID. ORD. = 22.27'
 P.C.C. STATION 977+31.01 N 1,731,292.06 E 1,023,525.14
 P.T. STATION 989+25.24 N 1,731,413.33 E 1,024,712.09

CURVE ARSENAL ROAD - 2

P.I. STATION 976+44.66 N 1,731,276.86 E 1,023,439.94
 DELTA = 6° 39' 28" (RT)
 DEGREE = 3° 51' 02"
 RADIUS = 1,487.94'
 TANGENT = 86.55'
 LENGTH = 172.90'
 EXTERNAL = 2.51'
 LONG CHORD = 172.80'
 MID. ORD. = 2.51'
 S.E. RATE = 4.00%
 P.C.C. STATION 975+58.12 N 1,731,251.89 E 1,023,357.08
 P.C.C. STATION 977+31.01 N 1,731,292.06 E 1,023,525.14

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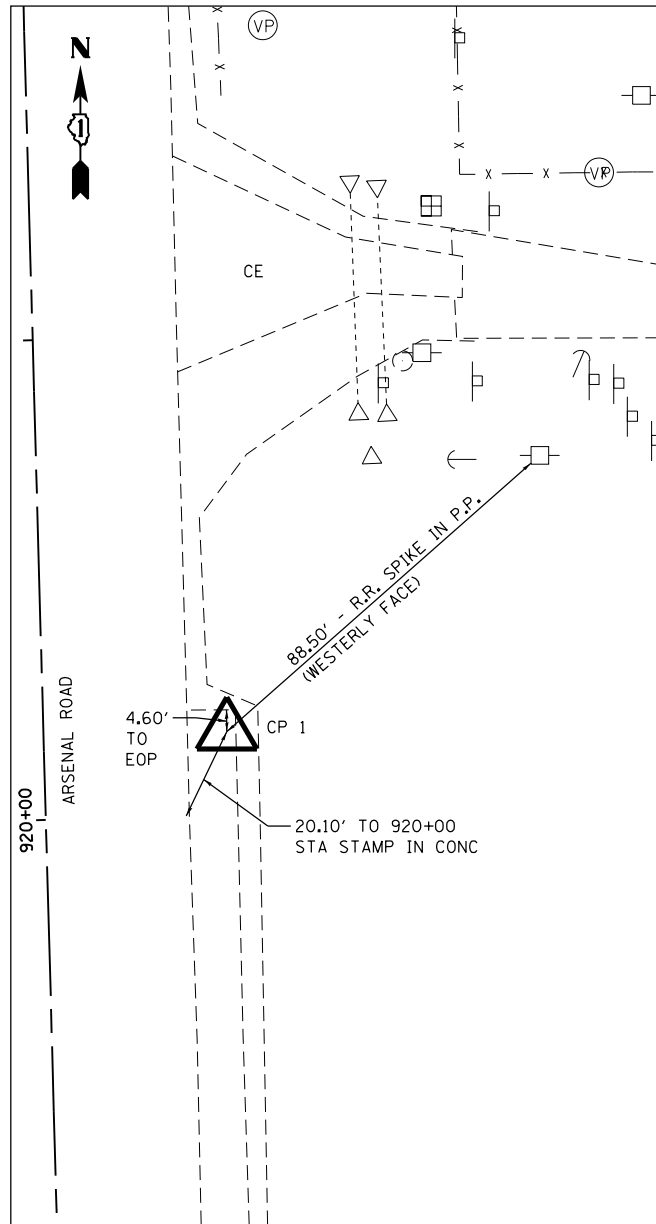
1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = dennisw MODEL NAME = Default PLOT SCALE = 400.0000' / in. PLOT DATE = 2/18/2014	DESIGNED - MAG DRAWN - JKP/DJW CHECKED - BMA DATE - 12-5-12	REVISED - REVISED - REVISED - REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

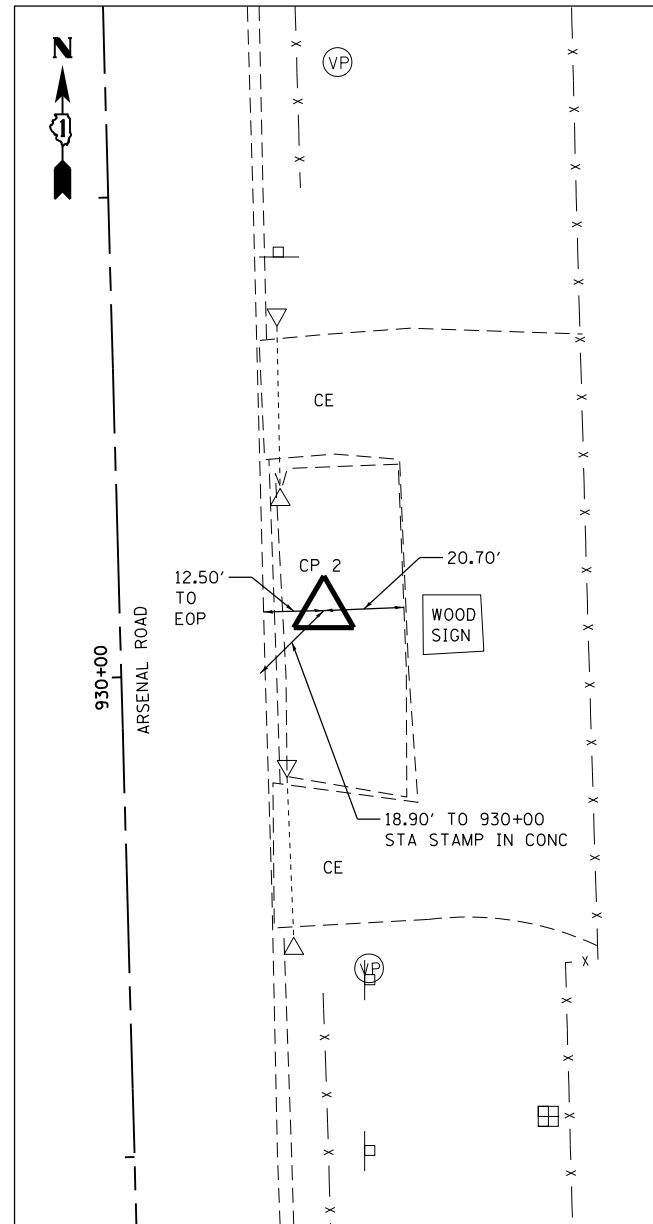
ALIGNMENTS, TIES, AND BENCHMARKS

SCALE: 1"=200' SHEET 1 OF 3 SHEETS STA. TO STA.

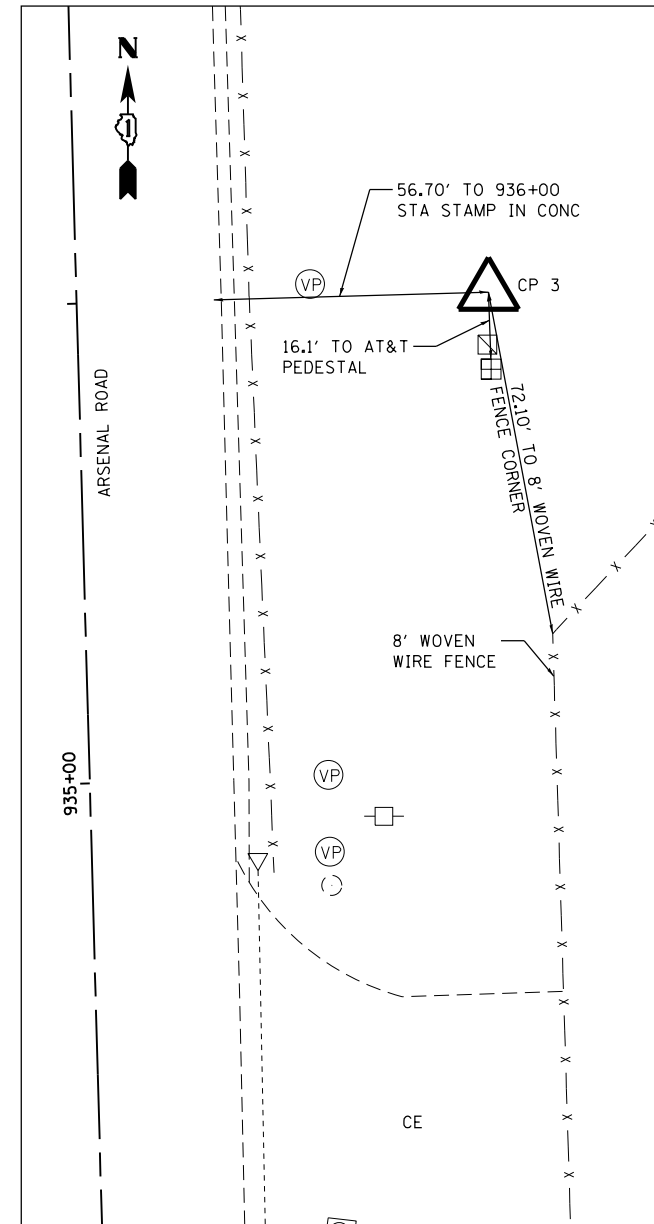
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55	99-IAC-2	WILL	102	16
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	



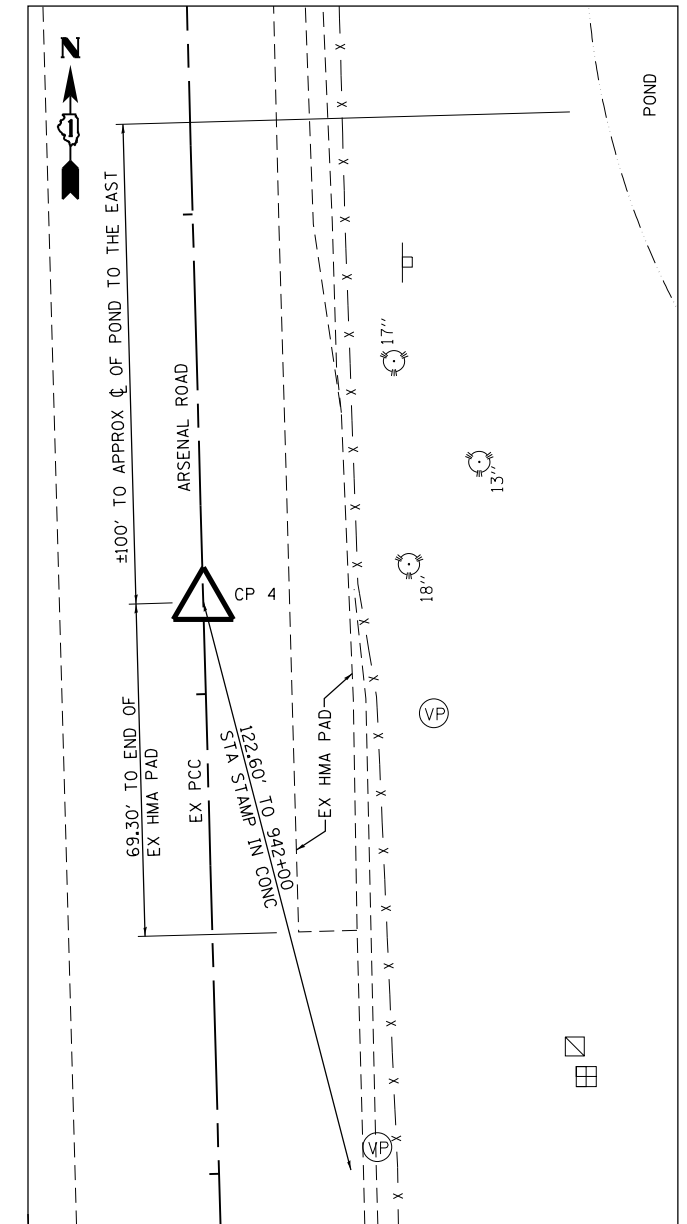
CP 1
 CUT CROSS IN CONCRETE
 N 1,726,034.3305
 E 1,022,797.4993
 STA 920+17.31
 OFF 38.21' RT
 ELEV 542.251



CP 2
 SET 5/8" REBAR W/ CAP
 N 1,727,029.5188
 E 1,022,774.4858
 STA 930+12.76
 OFF 42.55' RT
 ELEV 544.261



CP 3
 FOUND EX CAPPED IRON
 N 1,727,617.7739
 E 1,022,801.6680
 STA 936+00.05
 OFF 85.88' RT
 ELEV 552.977



CP 4
 CUT CROSS ON CONCRETE
 N 1,728,334.2628
 E 1,022,696.0838
 STA 943+19.17
 OFF 0.02' RT
 ELEV 556.273

BENCHMARKS

SITE BENCHMARK NO. 1 ELEVATION = 551.180
 SET CUT CROSS ON TOP OF SW'LY BOLT OF FOUNDATION FOR THE 1st LIGHT POLE E. OF E. FRONTAGE ROAD ON THE N. SIDE OF MOBIL EXXON MAIN ENTRANCE. STA: 950+92.50 108.77' RT.±

SITE BENCHMARK NO. 2 ELEVATION = 555.396
 SET CUT SQUARE ON THE EDGE OF CONCRETE PAVEMENT ADJACENT TO STATION STAMP 942+00 ON E. SIDE OF E. FRONTAGE ROAD/(NEW ARSENAL ROAD), STA: 942+00 29.74' RT.±

SITE BENCHMARK NO. 3 ELEVATION = 547.556
 SET CUT SQUARE ON THE EDGE OF CONCRETE PAVEMENT ADJACENT TO STATION STAMP 936+00 ON E. SIDE OF E. FRONTAGE ROAD/(NEW ARSENAL ROAD), STA: 936+00 29.72' RT.±

SITE BENCHMARK NO. 4 ELEVATION = 543.484
 SET CUT SQUARE ON THE SW. CORNER OF CONCRETE FOUNDATION FOR THE S'LY OF 4 SIGN POSTS LOCATED 20'± E. OF CONTROL POINT NO. 2 AT A MOBIL EXXON ENTRANCE WITH GATES. STA: 930+03 62.75' RT.±

SITE BENCHMARK NO. 5 ELEVATION = 542.445
 FOUND RR. SPIKE IN W'LY FACE OF NEW WOOD UTILITY POLE ON S. SIDE OF A GRAVEL ROAD ON THE E. SIDE OF THE E. FRONTAGE ROAD/(NEW ARSENAL ROAD) @ STA: 920+95 81.00' RT.±

NOTES:

- COORDINATES SHOWN HEREON ARE GROUND COORDINATES BASED ON NGS PID AE2474 (DYNASTY CONTROL POINT NO. 231). FOR SCALE CONVERSION FROM GRID TO GROUND USE COMBINED SCALE FACTOR 0.99995548
- ELEVATIONS SHOWN HEREON ARE BASED ON DYNASTY CONTROL POINT NO. 231 NGS MON. AE2474. ELEVATION = 552.156

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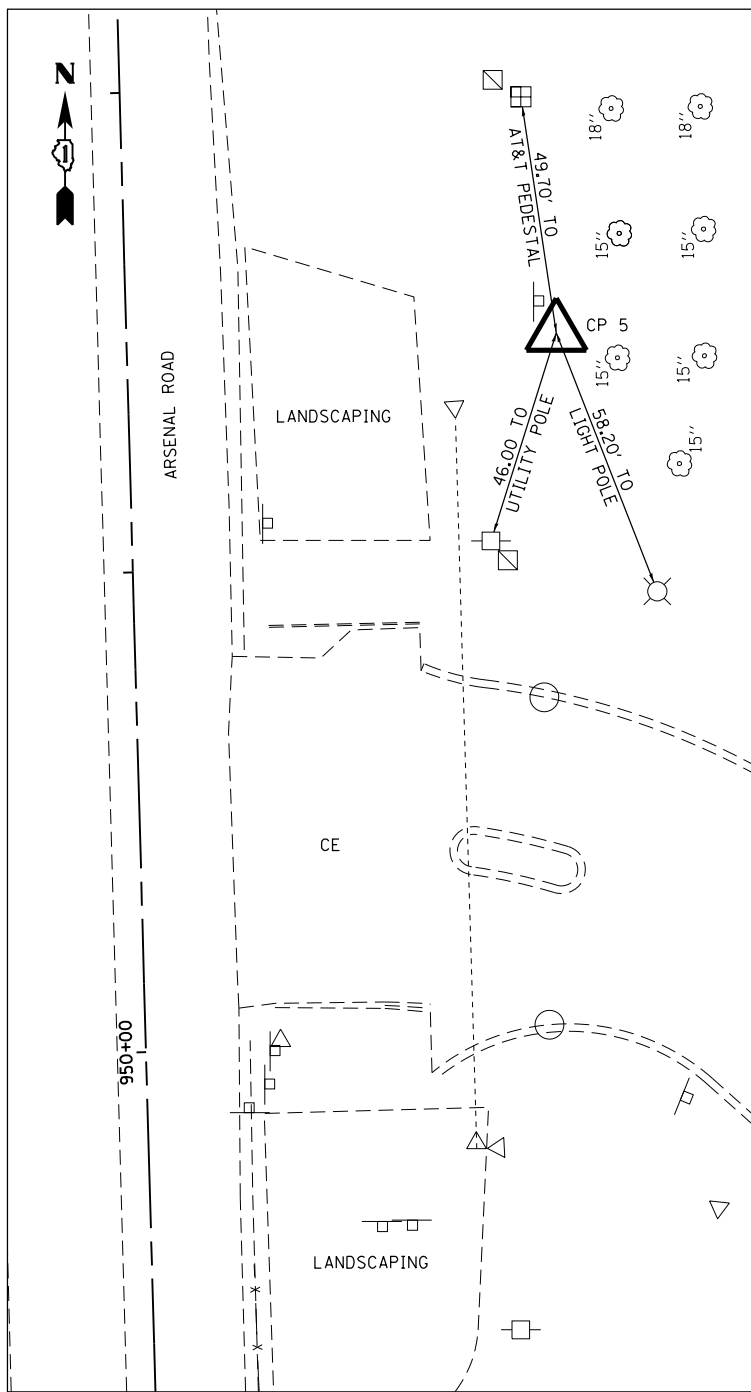
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENTS, TIES, AND BENCHMARKS

SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	17
CONTRACT NO. 60P51				
ILLINOIS FED. AID PROJECT				

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CP 5
 FOUND CAPPED IRON PIPE
 N 1,729,164.7436
 E 1,022,762.8741
 STA 951+47.50
 OFF 89.60' RT
 ELEV 553.486



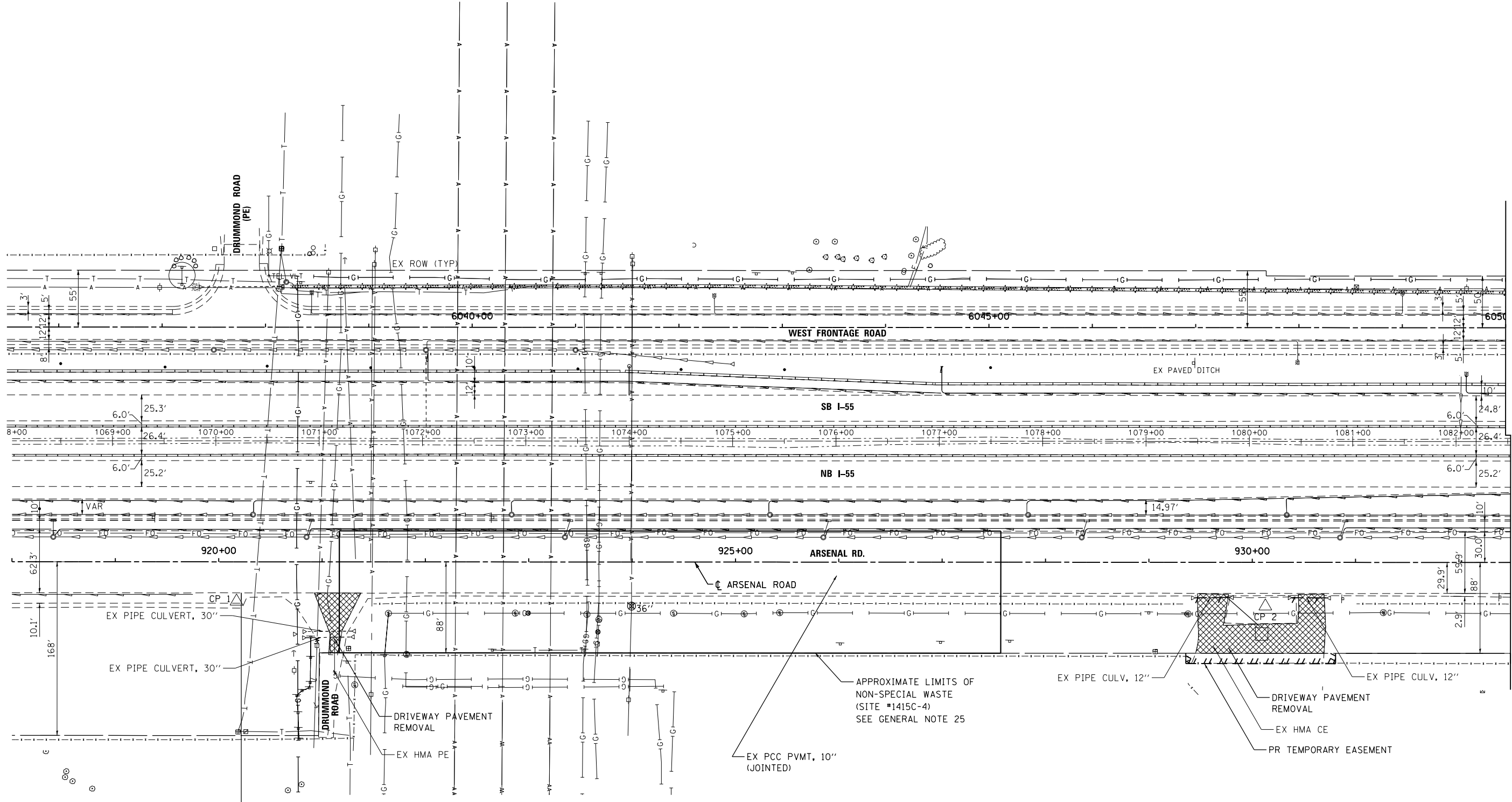
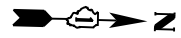
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENTS, TIES, AND BENCHMARKS

SCALE: 1"=20' SHEET 3 OF 3 SHEETS STA. TO STA.

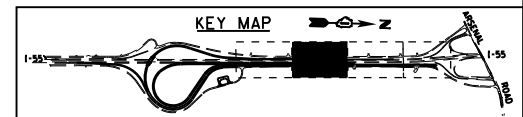
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	18
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	



BEGIN NB ARSENAL RD IMPROVEMENT
STATION 920+22.05 RT
MATCH EXISTING

APPROXIMATE LIMITS OF
NON-SPECIAL WASTE
(SITE #1415C-4)
SEE GENERAL NOTE 25

- LEGEND**
- PAVEMENT REMOVAL
 - DRIVEWAY PAVEMENT REMOVAL
 - HOT-MIX ASPHALT SURFACE REMOVAL, 10"
 - PIPE CULVERT REMOVAL
 - TREE REMOVAL
 - CONTROL POINT



MATCH LINE
ARSENAL RD STA. 932+50.00

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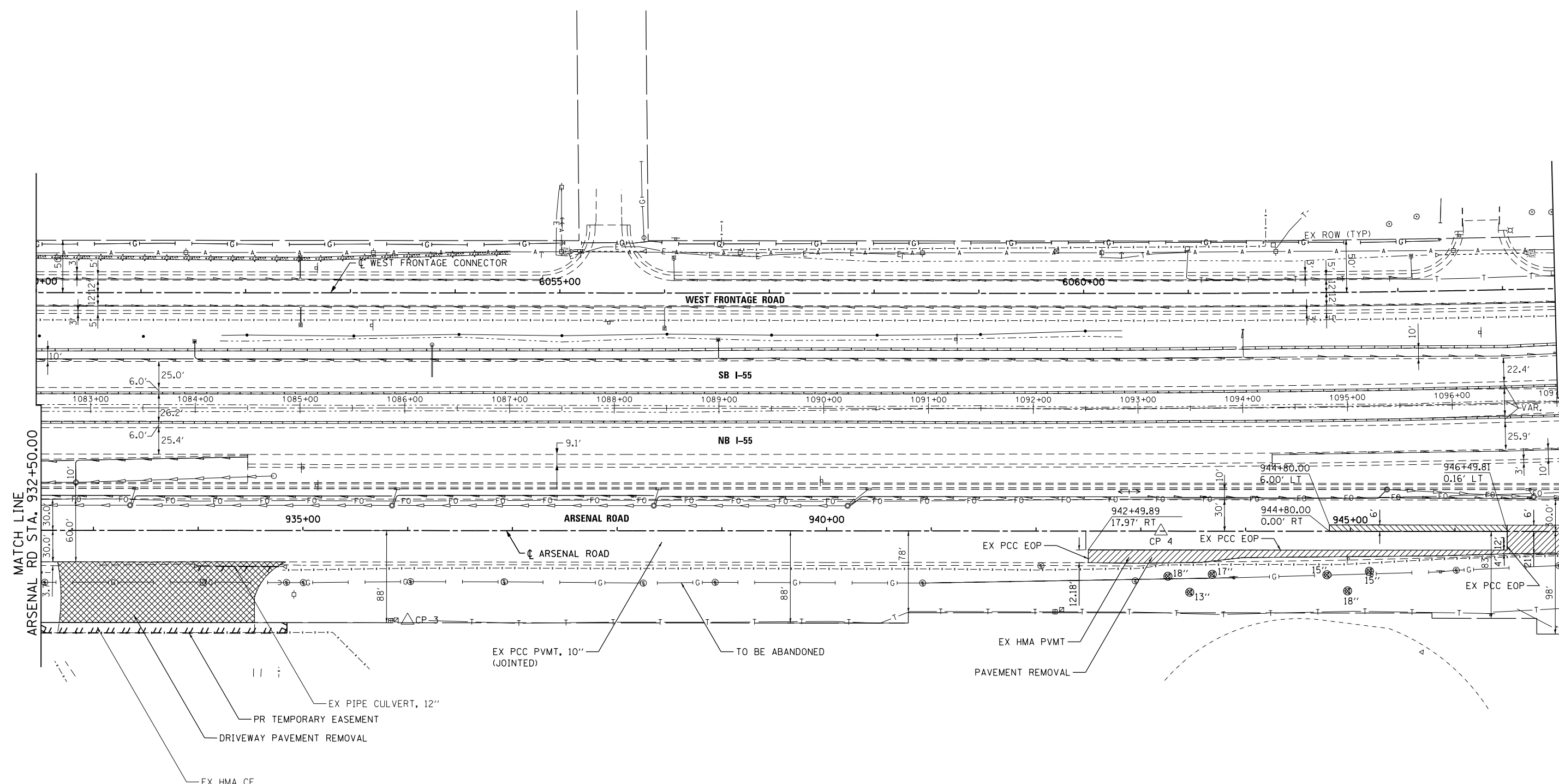
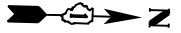
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PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

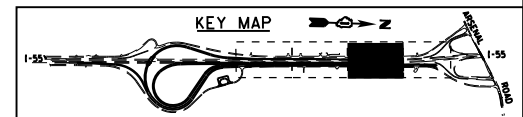
EXISTING PLAN AND REMOVALS

SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. 918+00.00 TO STA. 932+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	19
			CONTRACT NO. 60P51	
ILLINOIS FED. AID PROJECT				



- LEGEND**
- PAVEMENT REMOVAL
 - DRIVEWAY PAVEMENT REMOVAL
 - HOT-MIX ASPHALT SURFACE REMOVAL, 10"
 - PIPE CULVERT REMOVAL
 - TREE REMOVAL
 - CONTROL POINT



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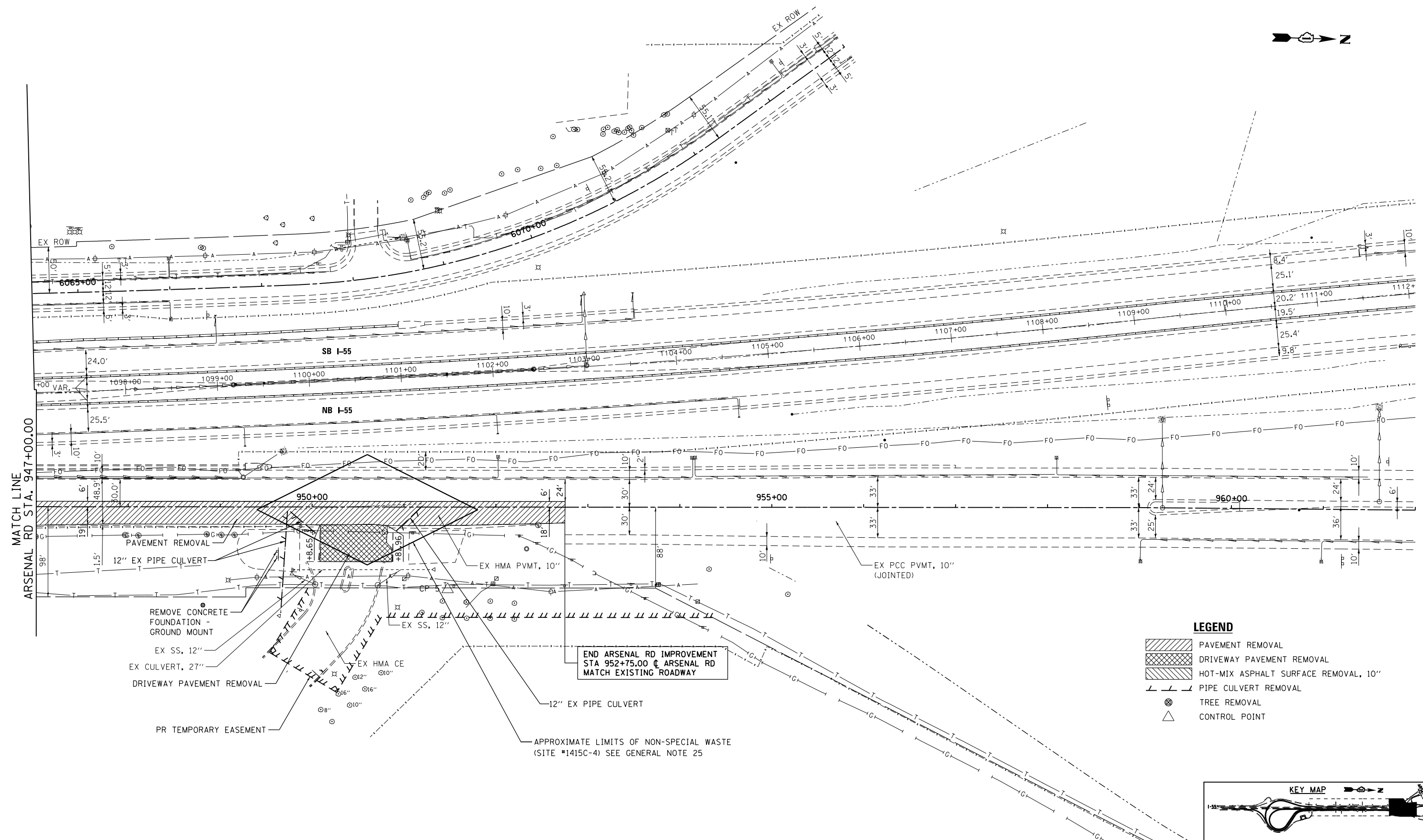
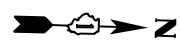
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MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
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PLOT DATE = 3/21/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING PLAN AND REMOVALS

SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. 932+50.00 TO STA. 947+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	20
				CONTRACT NO. 60P51
ILLINOIS FED. AID PROJECT				



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MATCH LINE
ARSENAL RD STA. 947+00.00

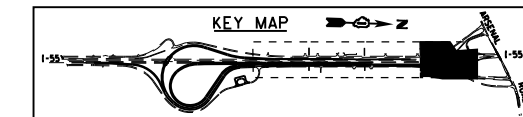
- REMOVE CONCRETE FOUNDATION - GROUND MOUNT
- EX SS, 12"
- EX CULVERT, 27"
- DRIVEWAY PAVEMENT REMOVAL
- PR TEMPORARY EASEMENT

END ARSENAL RD IMPROVEMENT
STA 952+75.00 @ ARSENAL RD
MATCH EXISTING ROADWAY

APPROXIMATE LIMITS OF NON-SPECIAL WASTE
(SITE #1415C-4) SEE GENERAL NOTE 25

LEGEND

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 10"
- PIPE CULVERT REMOVAL
- TREE REMOVAL
- CONTROL POINT



SA STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennisw
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PLOT DATE = 3/21/2014

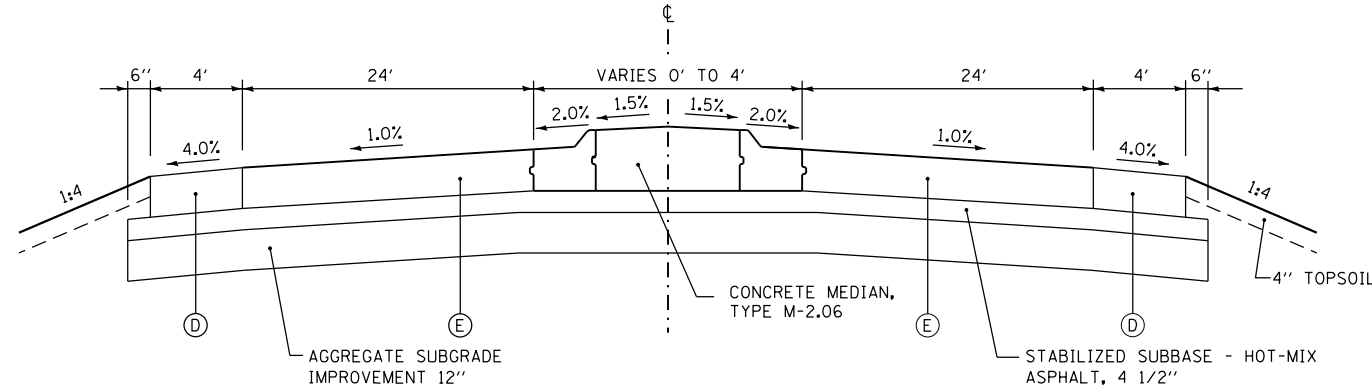
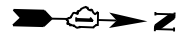
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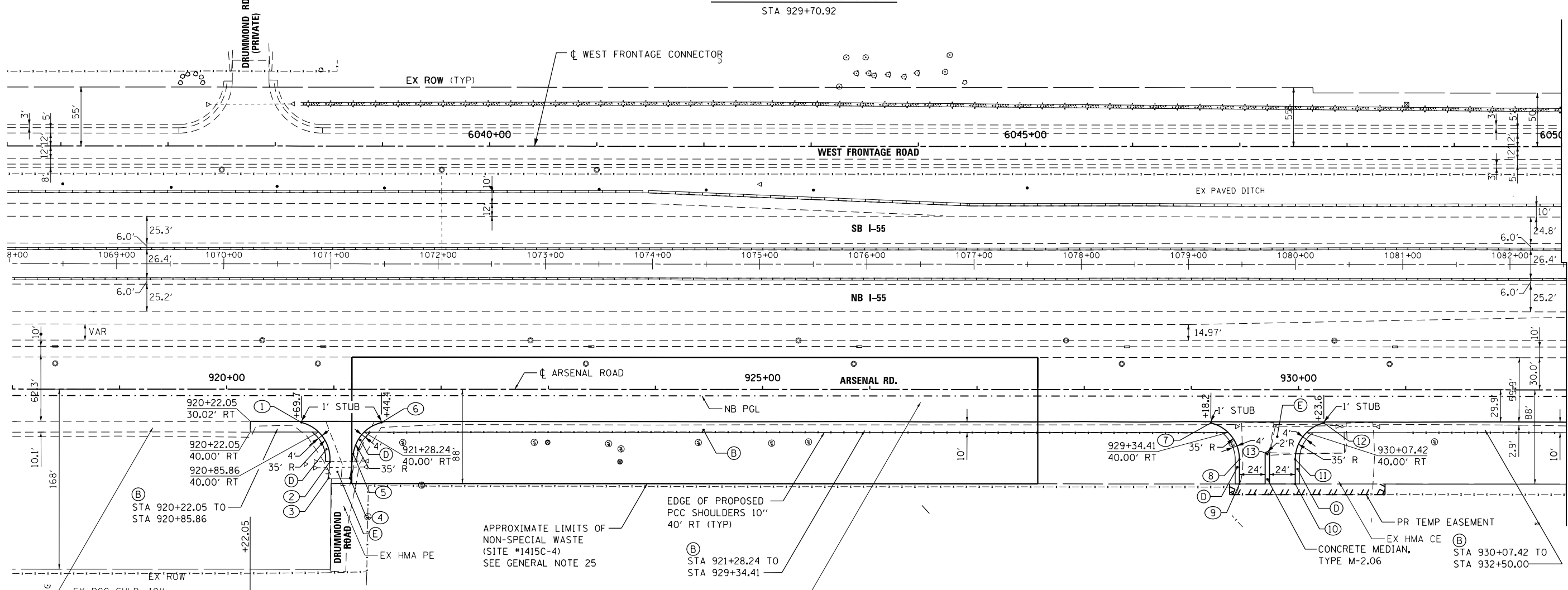
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING PLAN AND REMOVALS
SCALE: 1"=50' SHEET 3 OF 3 SHEETS STA. 947+00.00 TO STA. 961+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	21
				CONTRACT NO. 60P51
ILLINOIS FED. AID PROJECT				



TYPICAL DRIVEWAY SECTION
STA 929+70.92



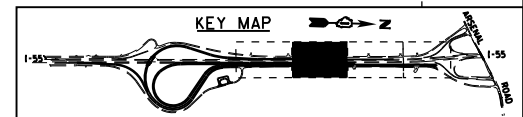
MATCH LINE
ARSENAL RD STA. 932+50.00

NO.	STATION	OFFSET	NO.	STATION	OFFSET
①	920+69.67	31.00' RT	⑦	929+18.23	31.00' RT
②	920+96.26	67.71' RT	⑧	929+44.92	65.00' RT
③	920+95.07	83.00' RT	⑨	929+44.92	88.00' RT
④	921+14.98	83.00' RT	⑩	929+96.92	88.00' RT
⑤	921+18.05	60.31' RT	⑪	929+96.92	65.00' RT
⑥	921+44.43	31.00' RT	⑫	930+23.61	31.00' RT
			⑬	929+70.91	60.00' RT

- PROPOSED LEGEND**
- (A) PCC PAVEMENT 10" (JOINTED)
 - (B) PCC SHOULDERS 10"
 - (C) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
 - (D) HMA SHOULDERS, 10"
 - (E) PCC DRIVEWAY PAVEMENT, 10"

BEGIN NB ARSENAL RD IMPROVEMENT
STATION 920+22.05 RT
MATCH EXISTING SHOULDER

SHOULDER WIDENING
STA. 920+22.05 TO 932+50



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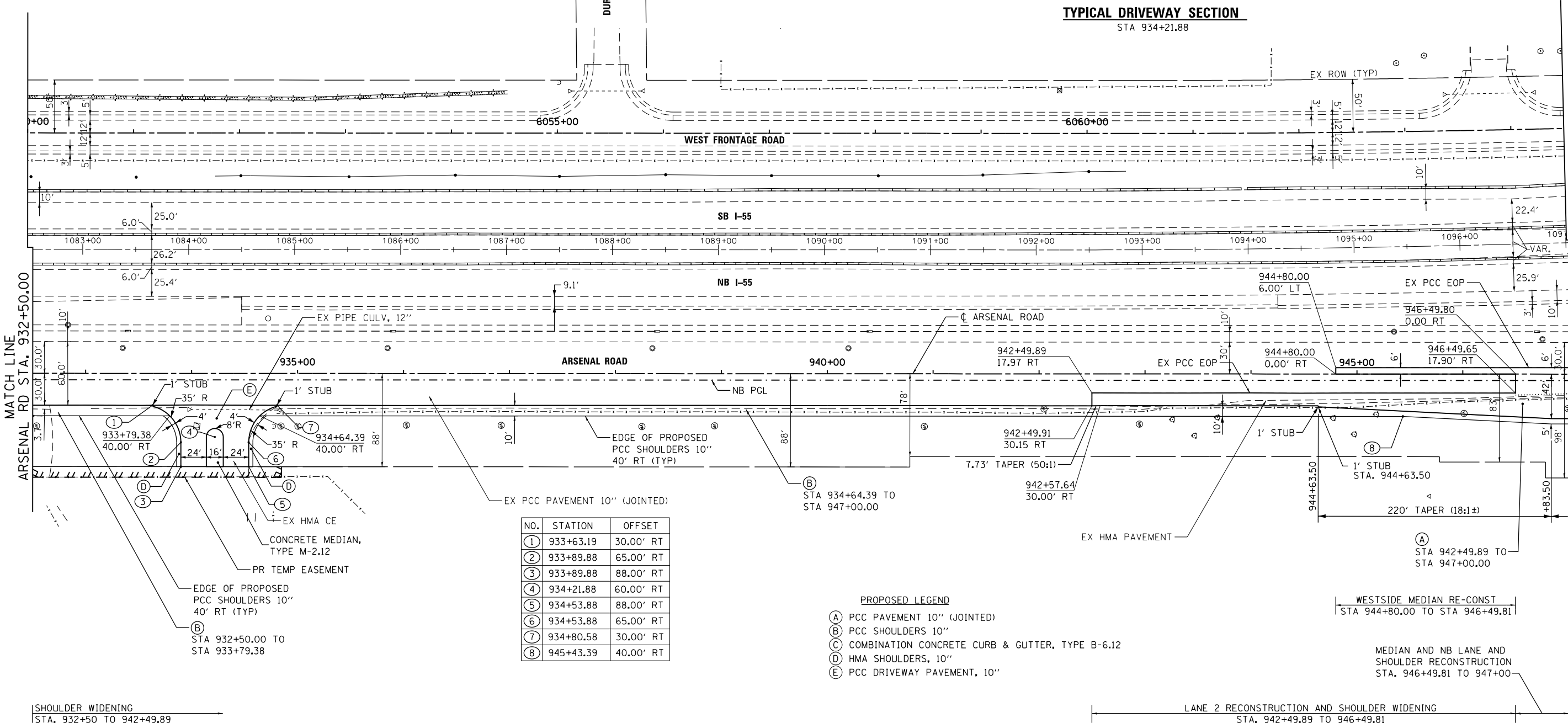
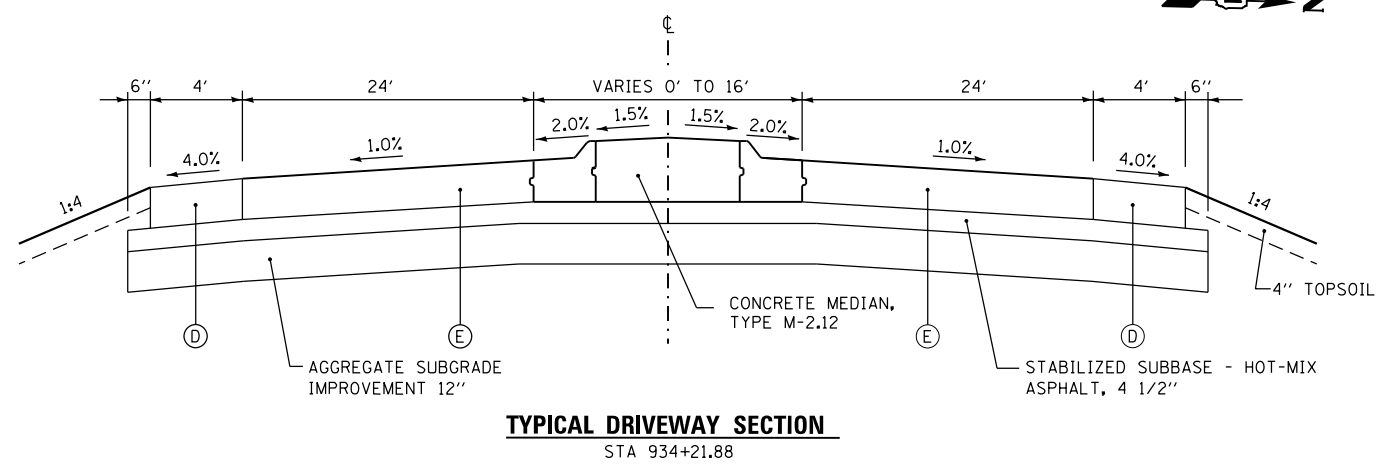
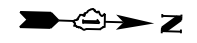
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARSENAL ROAD ROADWAY PLAN

SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. 918+00.00 TO STA. 932+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	22

CONTRACT NO. 60P51
ILLINOIS FED. AID PROJECT

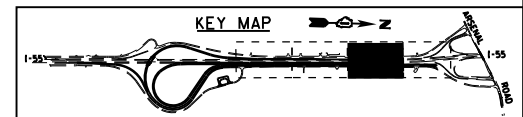


NO.	STATION	OFFSET
1	933+63.19	30.00' RT
2	933+89.88	65.00' RT
3	933+89.88	88.00' RT
4	934+21.88	60.00' RT
5	934+53.88	88.00' RT
6	934+53.88	65.00' RT
7	934+80.58	30.00' RT
8	945+43.39	40.00' RT

- PROPOSED LEGEND**
- (A) PCC PAVEMENT 10" (JOINTED)
 - (B) PCC SHOULDERS 10"
 - (C) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
 - (D) HMA SHOULDERS, 10"
 - (E) PCC DRIVEWAY PAVEMENT, 10"

WESTSIDE MEDIAN RE-CONST
STA 944+80.00 TO STA 946+49.81

MEDIAN AND NB LANE AND SHOULDER RECONSTRUCTION
STA. 946+49.81 TO 947+00



FILE NAME = SA\JUL16300-6399\6346\045\Microa\CADD Sheets\0160P51-SHT-PLAN02.dgn



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MODEL NAME = Default
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PLOT DATE = 2/18/2014

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CHECKED - BMA
DATE - 12-5-12

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REVISED -

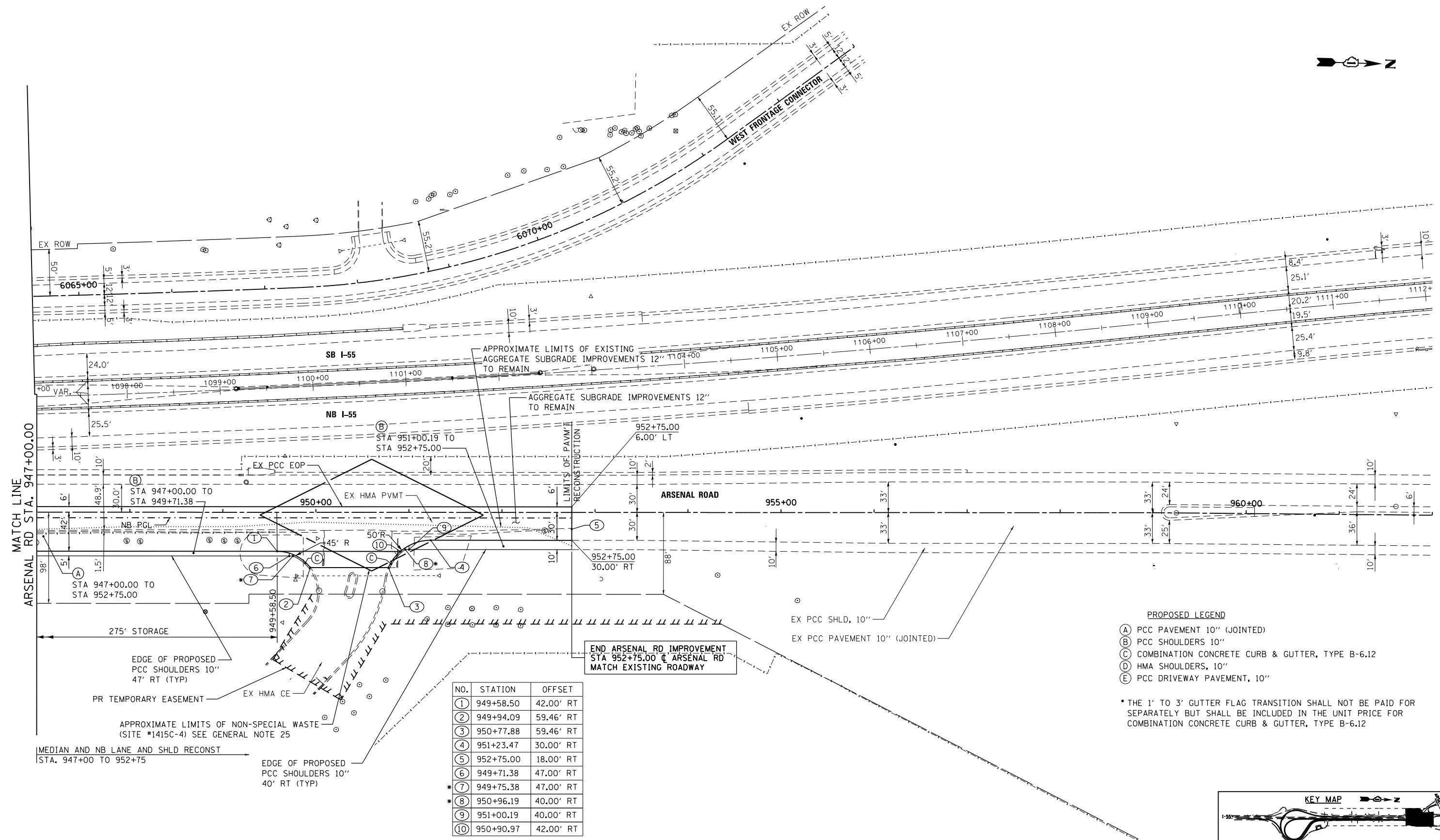
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ARSENAL ROAD ROADWAY PLAN

SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. 932+50.00 TO STA. 947+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	23

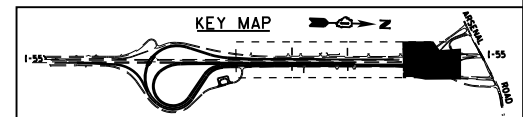
CONTRACT NO. 60P51
ILLINOIS FED. AID PROJECT



- PROPOSED LEGEND**
- (A) PCC PAVEMENT 10" (JOINTED)
 - (B) PCC SHOULDERS 10"
 - (C) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
 - (D) HMA SHOULDERS, 10"
 - (E) PCC DRIVEWAY PAVEMENT, 10"

* THE 1' TO 3' GUTTER FLAG TRANSITION SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE FOR COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12

NO.	STATION	OFFSET
①	949+58.50	42.00' RT
②	949+94.09	59.46' RT
③	950+77.88	59.46' RT
④	951+23.47	30.00' RT
⑤	952+75.00	18.00' RT
⑥	949+71.38	47.00' RT
* ⑦	949+75.38	47.00' RT
* ⑧	950+96.19	40.00' RT
⑨	951+00.19	40.00' RT
⑩	950+90.97	42.00' RT



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DESIGNED - MAG
 DRAWN - JKP/DJW
 CHECKED - BMA
 DATE - 12-5-12

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 REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

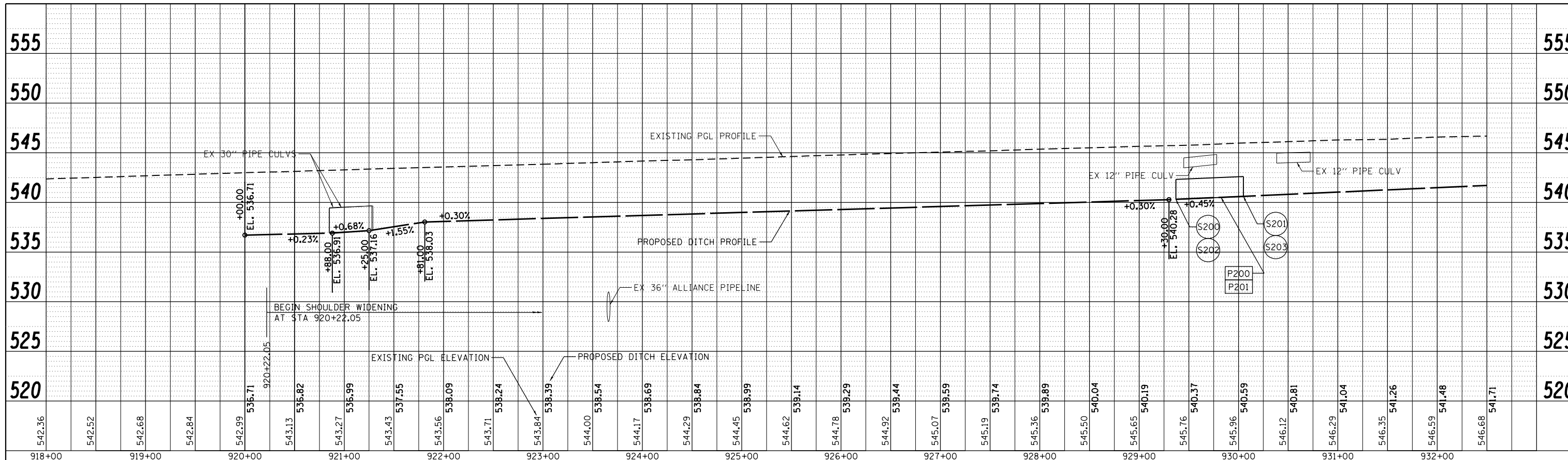
ARSENAL ROAD ROADWAY PLAN

SCALE: 1"=50' SHEET 3 OF 3 SHEETS STA. 947+00.00 TO STA. 962+00.00

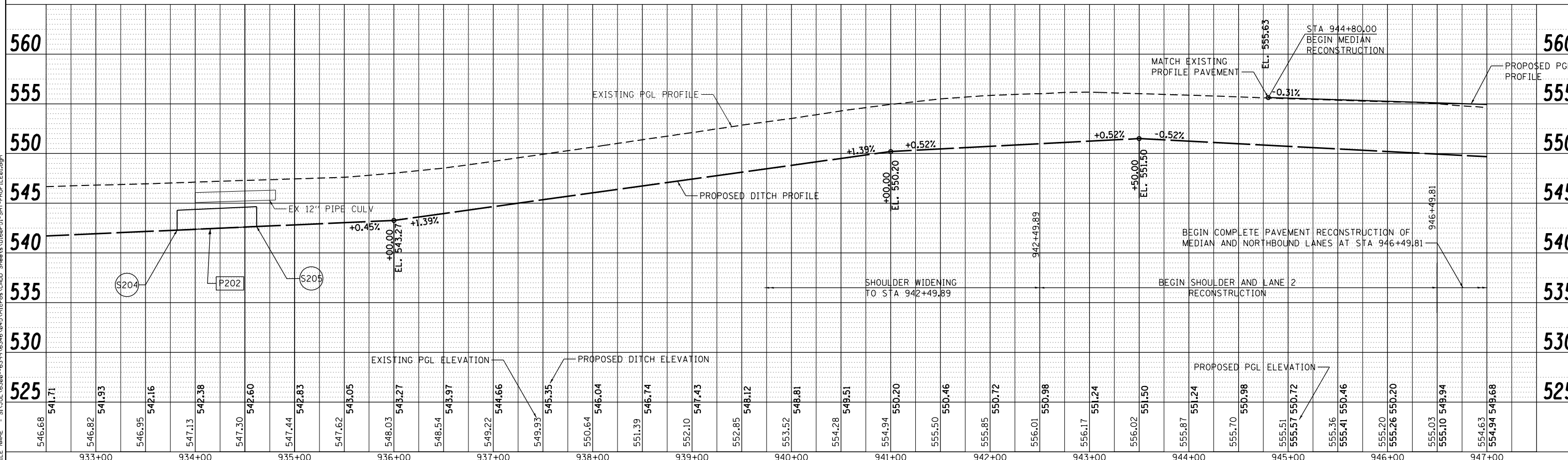
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	24

CONTRACT NO. 60P51
 ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	CARD FILE NAME		



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	ELEVATIONS CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		
	FILE NAME		



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STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = dennisw
 MODEL NAME = Default
 PLOT SCALE = 100.0000' / 1"
 PLOT DATE = 2/18/2014

DESIGNED - MAG
 DRAWN - JKP/DJW
 CHECKED - BMA
 DATE - 12-5-12

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ARSENAL ROAD PROFILE

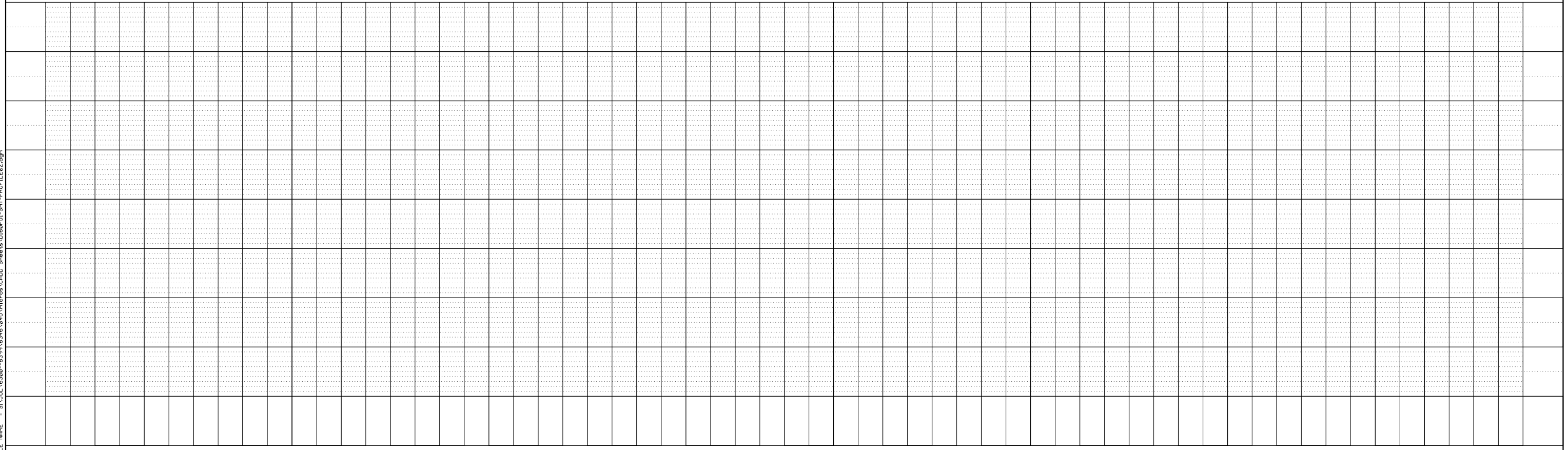
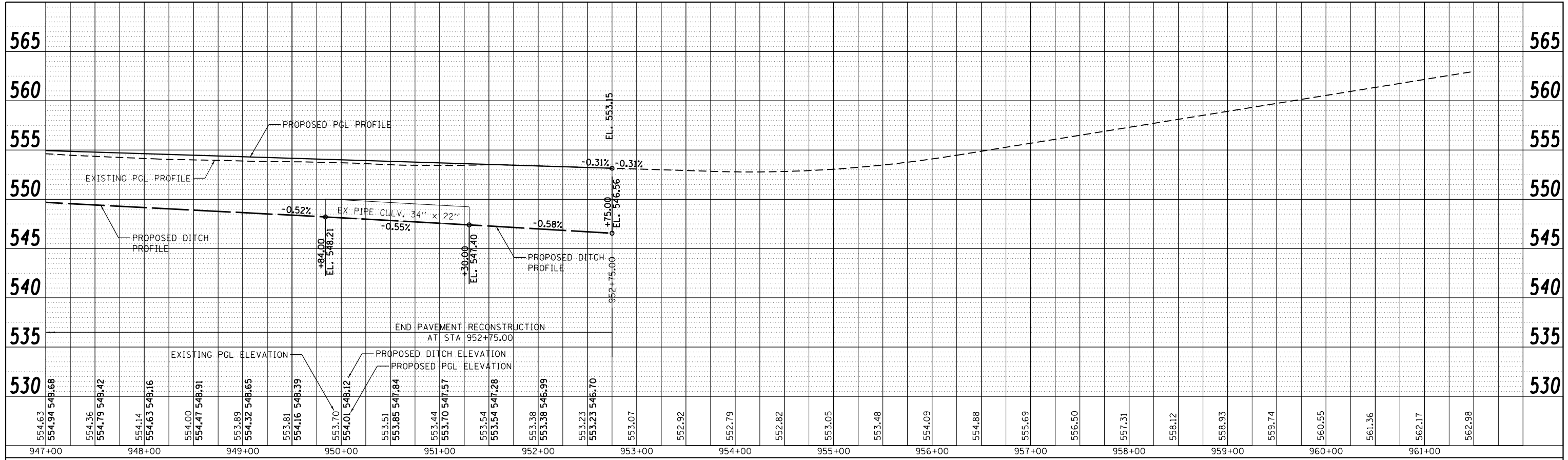
SCALED 1"=50'H; 1"=5'V SHEET 1 OF 2 SHEETS STA. 918+00.00 TO STA. 947+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	25
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
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STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennissw
MODEL NAME = Default
PLOT SCALE = 100.0000' / 1"
PLOT DATE = 2/18/2014

DESIGNED - MAG
DRAWN - JKP/DJW
CHECKED - BMA
DATE - 12-5-12

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ARSENAL ROAD PROFILE

SCALE: 1"=50'H; 1"=5'V SHEET 2 OF 2 SHEETS STA. 947+00.00 TO STA. 961+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	26
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	

MAINTENANCE OF TRAFFIC GENERAL NOTES

CONSTRUCTION STAGING

1. THE CONTRACTOR SHALL OBLITERATE OR REMOVE ALL TEMPORARY STRIPING WHICH CONFLICTS WITH THE NEXT DAY STAGE OR FINAL STRIPING. ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE NEXT DAY STAGE SHALL BE REMOVED AND THEN REPLACED AFTER THE STAGING IS COMPLETE. ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE FINAL STRIPING SHALL BE REMOVED AFTER THE STAGING IS COMPLETE.
2. ALL TEMPORARY LANES SHALL MAINTAIN A 11-FT MINIMUM WIDTH, UNLESS OTHERWISE NOTED.
3. BARRICADES/DRUMS USED DURING CONSTRUCTION SHALL BE PLACED 25 FT. APART ALONG ALL TAPERS, AND 50 FT APART ALONG ALL TANGENTS.
4. ALL UNDERGROUND UTILITY WORK SHALL BE COORDINATED WITH THE SUGGESTED MAINTENANCE OF TRAFFIC.
5. CONSTRUCTION AREAS SHALL BE DEFINED IN COORDINATION WITH PAVEMENT JOINT LOCATIONS.
6. ALL DRIVEWAYS SHALL BE CONSTRUCTED IN HALVES TO MAINTAIN ACCESS AT ALL TIMES UNLESS OTHERWISE NOTED OR DIRECTED BY THE ENGINEER. DRIVEWAY ENTRANCES SHALL UTILIZE "DRIVEWAY ENTRANCE" SIGN SHOWN ON TC-26.
7. SAW CUTTING OF THE EXISTING PAVEMENT FOR SUBSEQUENT STAGE CONSTRUCTION SHALL BE INCLUDED IN THE COST OF PAVEMENT REMOVAL.
8. TEMPORARY BARRIER WALL SHALL BE INSTALLED ALONG A DROP-OFF GREATER THAN 18" IF IT IS LEFT IN PLACE LONGER THAN 48 HOURS WITHOUT THE EDGE BEING BACKFILLED TO A DEPTH LESS THAN 18".
9. ANY TEMPORARY BARRIER WALL INSTALLED WITH A HAZARD (FIXED OBJECT OR DROP-OFF) WITHIN 3.5 FEET BEHIND THE WALL SHALL BE CONTINUOUSLY PINNED TO THE PAVEMENT.
10. MAINTENANCE OF TRAFFIC PLAN SHOWN IS SUGGESTED.
11. ALL TRAFFIC CONTROL DEVICES USED FOR THE MAINTENANCE OF TRAFFIC, AS DETAILED ON THE PLANS, SHALL BE REFLECTORIZED PRIOR TO INSTALLATION AND CLEANED AS SPECIFIED IN THE SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
12. ALL DRUMS, VERTICAL PANELS AND BARRICADES IMMEDIATELY ADJACENT TO THE EDGE OF TRAVELED WAY SHALL BE EQUIPPED WITH STEADY MONO-DIRECTIONAL LIGHTS.
13. DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ADJACENT TRAFFIC LANES OPEN TO TRAFFIC FROM DEBRIS BEING BLOWN OR OTHERWISE REMOVED FROM THE CONSTRUCTION AREAS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR KEEPING DEBRIS OFF OF THE ADJACENT TRAVELED LANE SURFACE. THE COST IS INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
14. ANY SIGNS NOT IN CONFLICT WITH THE MAINTENANCE OF TRAFFIC SHALL BE MAINTAINED. THE COST OF THIS REQUIREMENT SHALL BE CONSIDERED INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
15. ALL TRAFFIC CONTROL DEVICES REQUIRED TO PROVIDE MAINTENANCE OF TRAFFIC DURING THE CONSTRUCTION SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR. THE TRAFFIC CONTROL DEVICES SHALL MEET THE REQUIREMENTS OF SEC. 701 OF THE STANDARD SPECIFICATIONS AND SHALL REMAIN VISIBLE DURING ALL STAGES OF CONSTRUCTION.
16. THE CONTRACTOR SHALL SUBMIT PROPOSED LOCATIONS AND DETAILS FOR ACCESS TO CONSTRUCTION ZONE FOR REVIEW AND APPROVAL BY THE ENGINEER. CONTRACTOR MUST MAINTAIN LOCAL AND EMERGENCY ACCESS AT ALL TIMES.
17. SEE STANDARDS FOR SIGNING NOT SHOWN ON THE MAINTENANCE OF TRAFFIC DRAWINGS.
18. WORKERS AND FLAGGER SIGNS SHALL ONLY BE DISPLAYED WHILE WORKERS OR FLAGGERS, RESPECTIVELY, ARE PRESENT.
19. THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

DENOTES WORK INCLUDED IN THE COST OF OTHER ITEMS.

STAGE	CONSTRUCTION	TRAFFIC
ARSENAL ROAD		
STAGE 1A AND 1B	COMPLETE CONSTRUCTION OF ALL ENTRANCES EXCEPT EXXON MOBIL GATE A AT STATION 950+35.99. COMPLETE CONSTRUCTION OF ARESENAL ROAD NORTHBOUND P.C.C. SHOULDERS FROM STA. 920+22 TO STA. 952+75. CONSTRUCT ARSENAL ROAD NORTHBOUND LANE 2 AND RIGHT TURN LANE FROM STA. 942+50 TO STA 952+75.	SOUTHBOUND TRAFFIC ON OUTSIDE PART OF EXISTING SOUTHBOUND LANE AND LEFT SHOULDER OF ARSENAL ROAD. NORTHBOUND TRAFFIC ON INSIDE PART OF EXISTING SOUTHBOUND LANE AND EXISTING CENTER MEDIAN OF ARSENAL ROAD.
STAGE 2A AND 2B	RECONSTRUCTION OF WEST HALF OF MEDIAN FROM STA. 944+80 TO 946+50. COMPLETE CONSTRUCTION OF ARSENAL ROAD MEDIAN AND NORTHBOUND LANE 1 FROM STA. 946+50 TO STA. 952+75.	SOUTHBOUND TRAFFIC ON OUTSIDE PART OF EXISTING SOUTHBOUND LANES AND LEFT SHOULDER OF ARSENAL ROAD. NORTHBOUND TRAFFIC ON RIGHT PART OF EXISTING SOUTHBOUND LANES AND PART OF EXISTING NORTHBOUND LANES OF ARSENAL ROAD FROM STA. 942+00 TO STA. 946+50. NORTHBOUND TRAFFIC ON NEW NORTHBOUND LANE, SHOULDER, AND TEMP. PAVEMENT FROM STA. 946+50 TO STA. 952+75.
STAGE 3	REMOVE TEMPORARY PAVEMENT AND COMPLETE FINAL EMBANKMENT AND RESTORATION.	THE NORTHBOUND SHOULDER WILL BE CLOSED UTILIZING HIGHWAY STANDARDS.
EXXON MOBIL GATE A AND ARSENAL ROAD INTERSECTION		
STAGE 1A	COMPLETE CONSTRUCTION OF NORTH HALF OF EXXON MOBIL GATE A ENTRANCE AT STATION 950+35.99.	EASTBOUND AND WESTBOUND TRAFFIC ON SOUTH HALF OF EXISTING EXXON MOBIL GATE A ENTRANCE AT STATION 950+35.99.
STAGE 1B	COMPLETE CONSTRUCTION OF SOUTH HALF OF EXXON MOBIL GATE A ENTRANCE AT STATION 950+35.99.	EASTBOUND AND WESTBOUND TRAFFIC ON NEW NORTH HALF PORTION OF EXXON MOBIL GATE A ENTRANCE AT STATION 950+35.99.

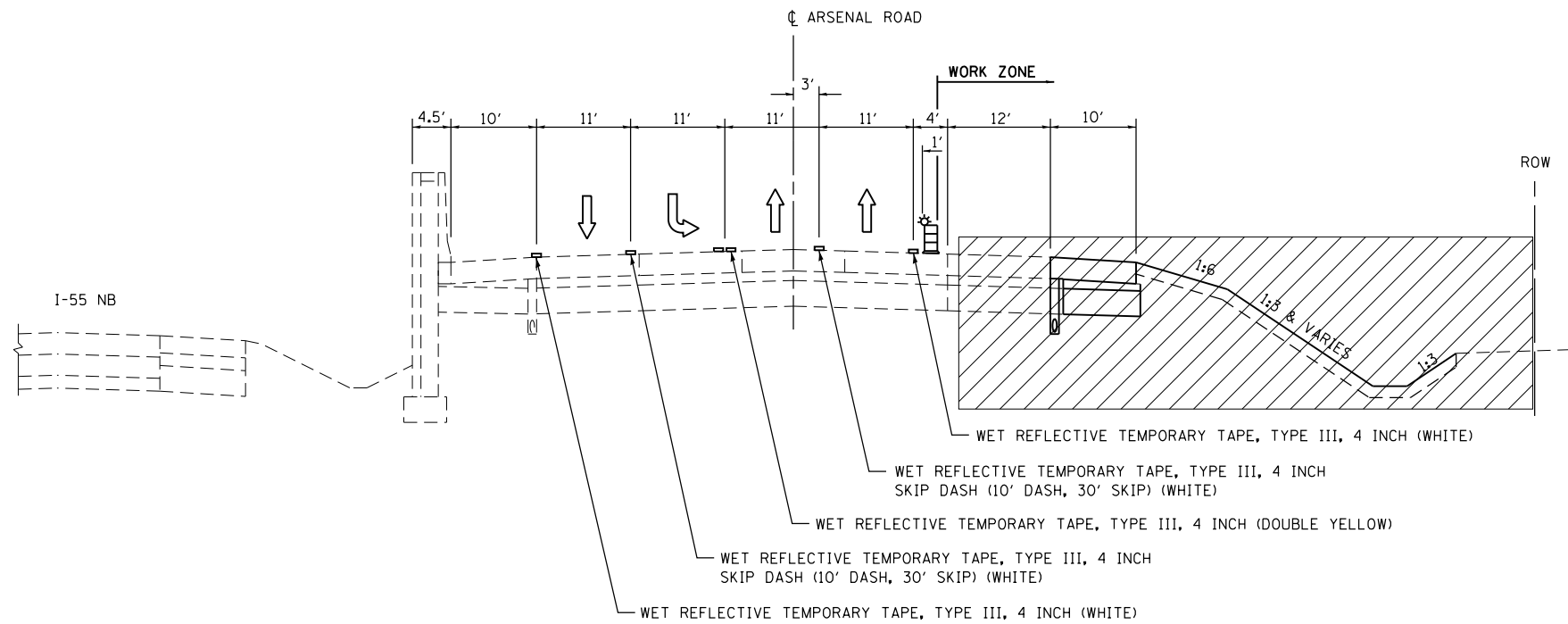
TAPER RATES FOR MOT (UNLESS OTHERWISE NOTED): ARSENAL RD.

LANE MERGE TAPER RATE (2 LANES TO 1)	35:1
LANE SHIFT TAPER	25:1
TURNING LANE TAPER	220 FT
DOWNSTREAM TAPER	100 FT

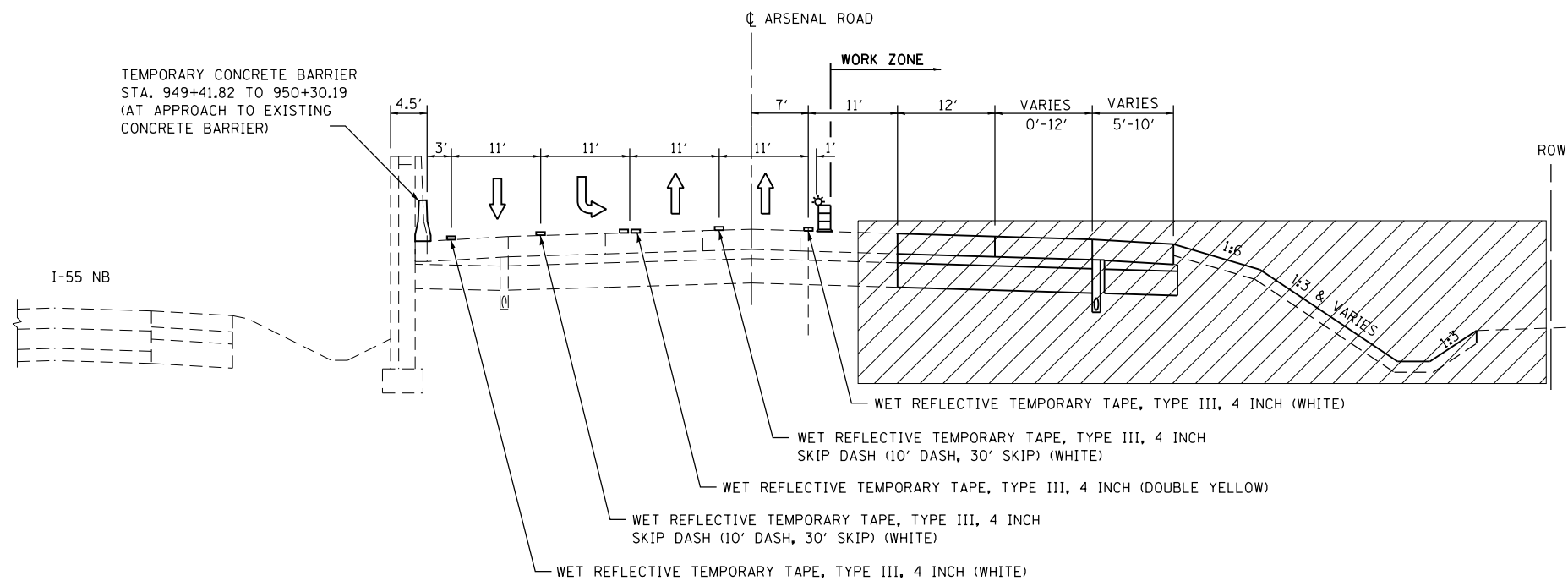
LEGEND

- | | |
|---|--|
| <ul style="list-style-type: none"> ① WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4-IN. SOLID WHITE ② WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4-IN. DOUBLE SOLID YELLOW ③ WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4-IN. SKIP DASH, 10-FT./30-FT. WHITE ④ WET REFLECTIVE TEMPORARY TAPE, TYPE III, 6-IN. SOLID WHITE ⑤ WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4-IN. SOLID YELLOW ⑥ WET REFLECTIVE TEMPORARY TAPE, TYPE III, 6-IN., 2-FT. / 6-FT. DOTTED WHITE ⑦ WET REFLECTIVE TEMPORARY TAPE, TYPE III, 12-IN., SOLID WHITE ⑧ WET REFLECTIVE TEMPORARY TAPE, TYPE III, 12-IN., SOLID YELLOW (DIAGONAL, 75' SPACING), 5' MINIMUM ⑨ TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS | <ul style="list-style-type: none"> DRUMS WITH STEADY BURN LIGHT PER ARTICLE 701.16. SIGN (SHOWN FACING LEFT) TYPE III BARRICADE WITH TWO FLASHING LIGHTS DIRECTION OF TRAFFIC INDICATORS TEMPORARY CONCRETE BARRIER IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3 TEMPORARY PAVEMENT (8" HMA OR 8" PCC) WORK ZONE AREA - INCLUDING COMPLETE PAVEMENT STRUCTURE, SHOULDERS, AND DITCH GRADING TO JOINTS. ARROW BOARD MONO-DIRECTIONAL FLASHING BEACON |
|---|--|

FILE NAME = SA\JUL16300-6399\6346\045\Microoa\CADD Sheets\0160P51-SHT-STAGING-NOTES.dgn

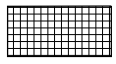
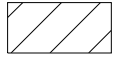



ARSENAL ROAD TYPICAL SECTION - STAGE 1A & 1B
STA. 916+22 TO 941+50



ARSENAL ROAD TYPICAL SECTION - STAGE 1A & 1B
STA. 941+50 TO 962+29

LEGEND

-  TEMPORARY PAVEMENT (8" FULL-DEPTH HMA OR 8" PCC)
-  CONSTRUCTION THIS STAGE
-  TRAFFIC FLOW DIRECTION

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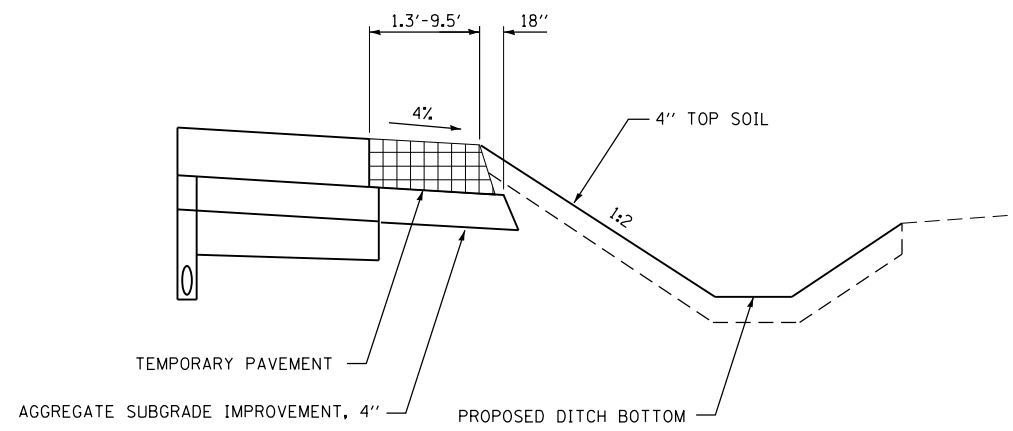
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PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

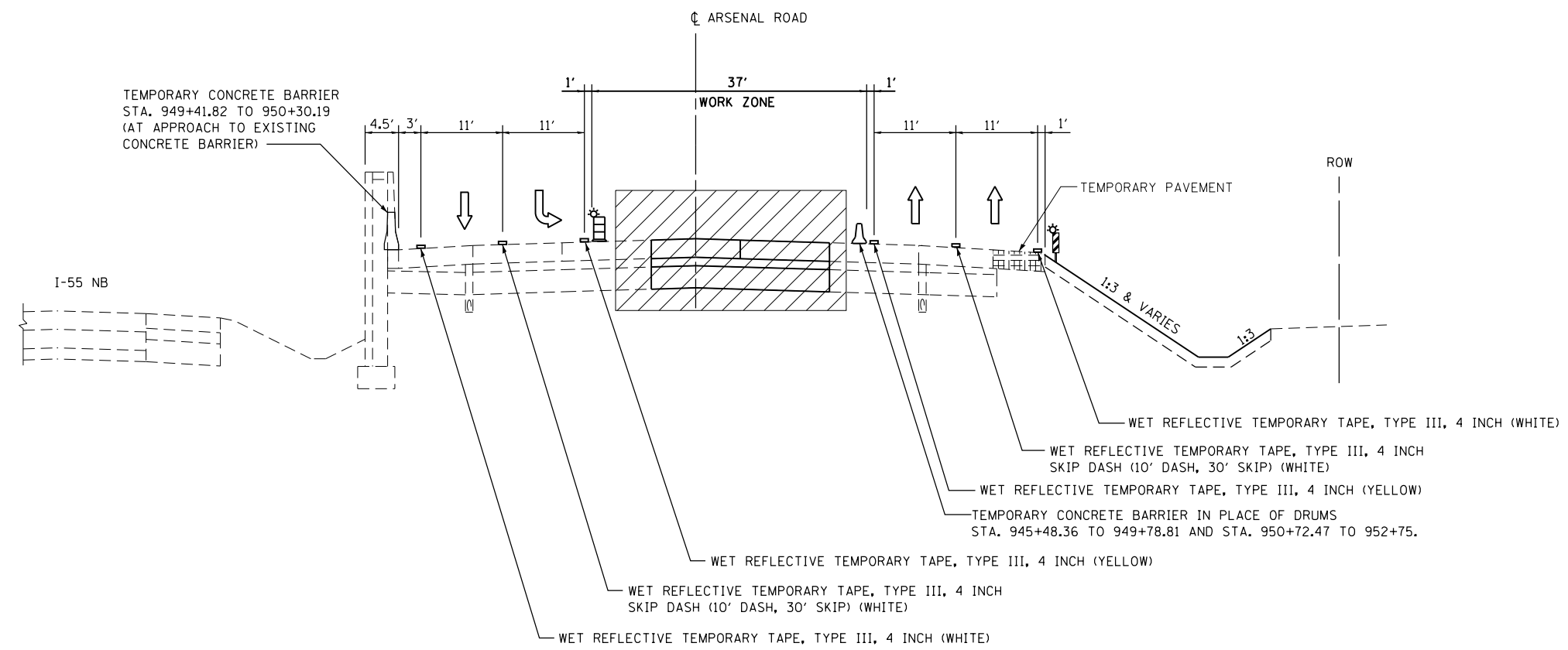
MAINTENANCE OF TRAFFIC TYPICAL SECTIONS

SCALE: NONE SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	28
CONTRACT NO. 60P51				
ILLINOIS FED. AID PROJECT				

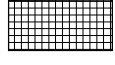
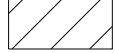



STAGE 1 TEMPORARY WIDENING
 STA. 944+73.10 TO STA. 946+83.36
 STA. 950+88.04 TO STA. 954+53.37



ARSENAL ROAD TYPICAL SECTION - STAGE 2 (LOOKING NORTH)
 STA. 942+00 TO 962+00

LEGEND

-  TEMPORARY PAVEMENT (8" FULL-DEPTH HMA OR 8" PCC)
-  CONSTRUCTION THIS STAGE
-  TRAFFIC FLOW DIRECTION

FILE NAME = SA\JOL\6300-6399\6346-045\Microa\CADD Sheets\0160P51-SHT-STAGING-TYP-2.dgn

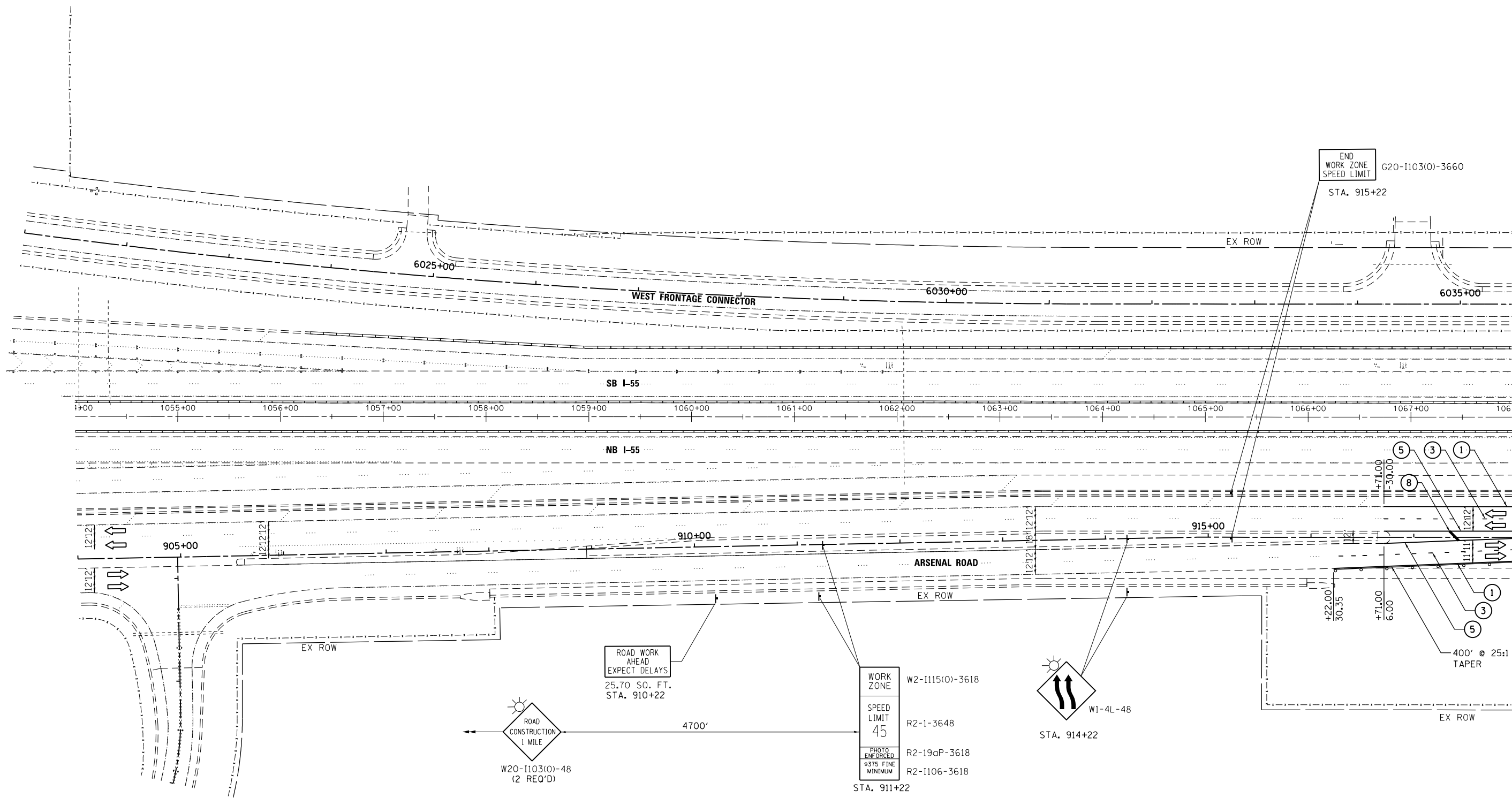


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MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
 SCALE: NONE SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	29
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	



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SA
STRAND
ASSOCIATES

1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennisw	DESIGNED - MAG	REVISED -
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
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PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

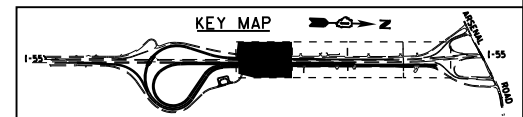
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1A**

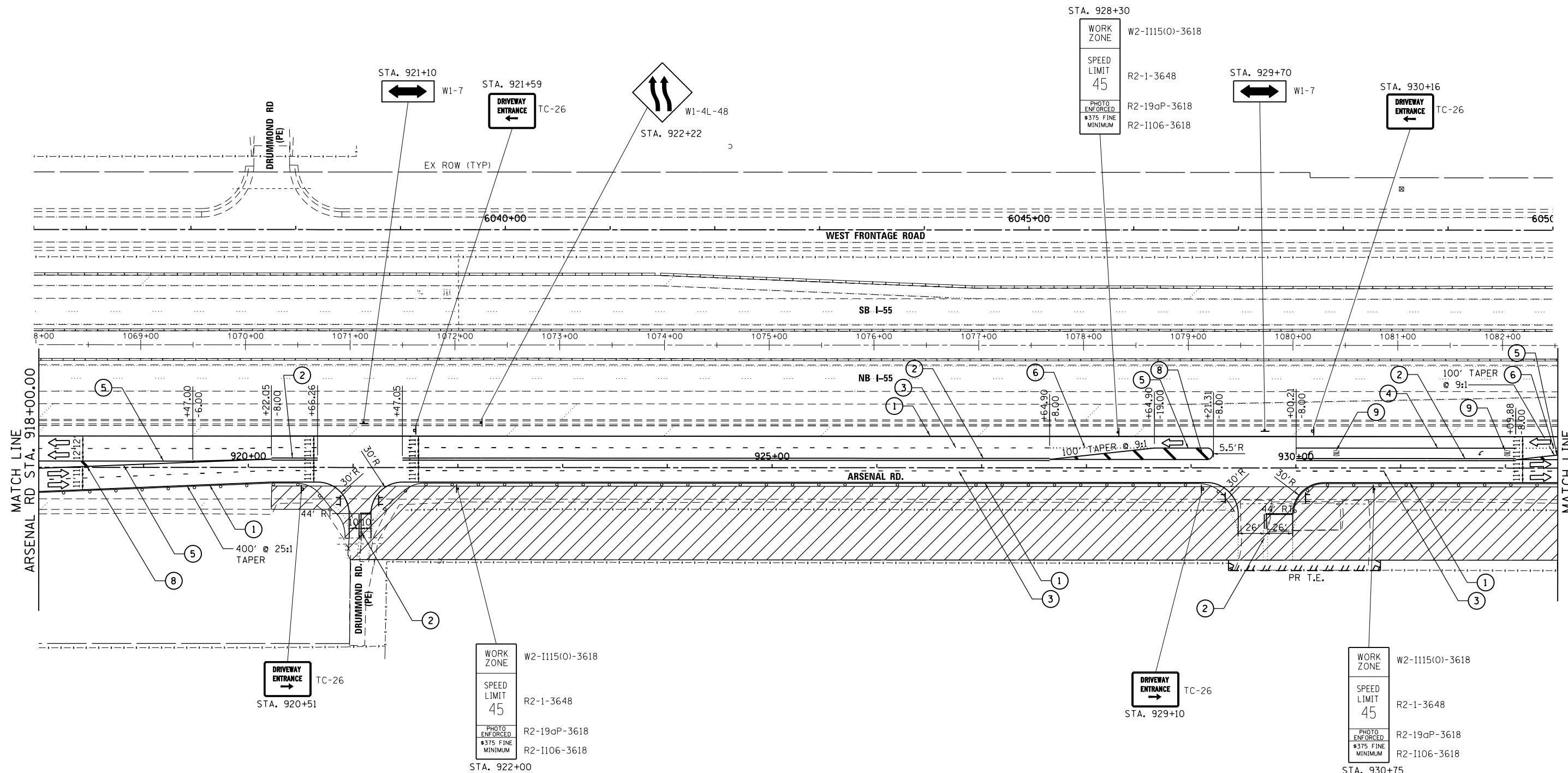
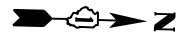
SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA. 904+00.00 TO STA. 918+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	30
CONTRACT NO. 60P51				

KEY MAP



ILLINOIS FED. AID PROJECT

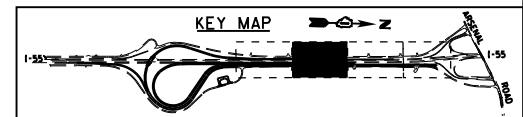


STA. 928+30
 WORK ZONE W2-1115(0)-3618
 SPEED LIMIT 45 R2-1-3648
 PHOTO ENFORCED R2-19aP-3618
 #375 FINE MINIMUM R2-1106-3618

WORK ZONE W2-1115(0)-3618
 SPEED LIMIT 45 R2-1-3648
 PHOTO ENFORCED R2-19aP-3618
 #375 FINE MINIMUM R2-1106-3618
 STA. 922+00

DRIVEWAY ENTRANCE TC-26
 STA. 929+10

WORK ZONE W2-1115(0)-3618
 SPEED LIMIT 45 R2-1-3648
 PHOTO ENFORCED R2-19aP-3618
 #375 FINE MINIMUM R2-1106-3618
 STA. 930+75



FILE NAME = SA\JOL\6300-6399\6346\045\Micro\CAD Sheets\0160P51-SHT-STAGING-1A-2.dgn



1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

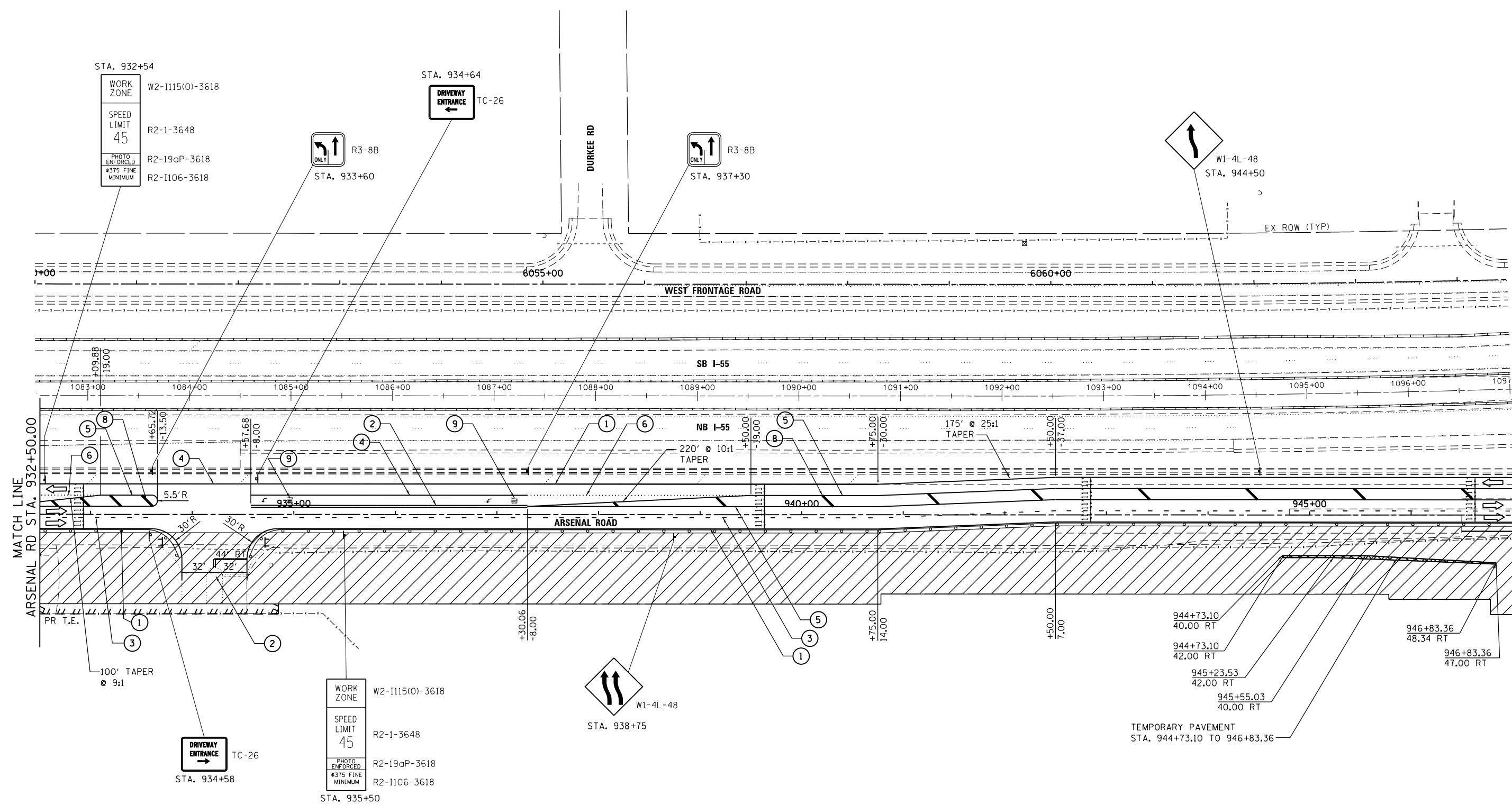
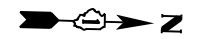
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PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

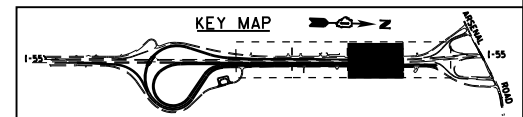
MAINTENANCE OF TRAFFIC
 STAGE 1A

SCALE: 1"=50' SHEET 2 OF 4 SHEETS STA. 918+00.00 TO STA. 932+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	31
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	



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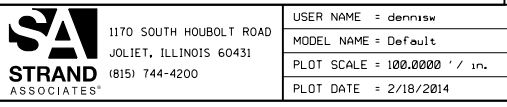
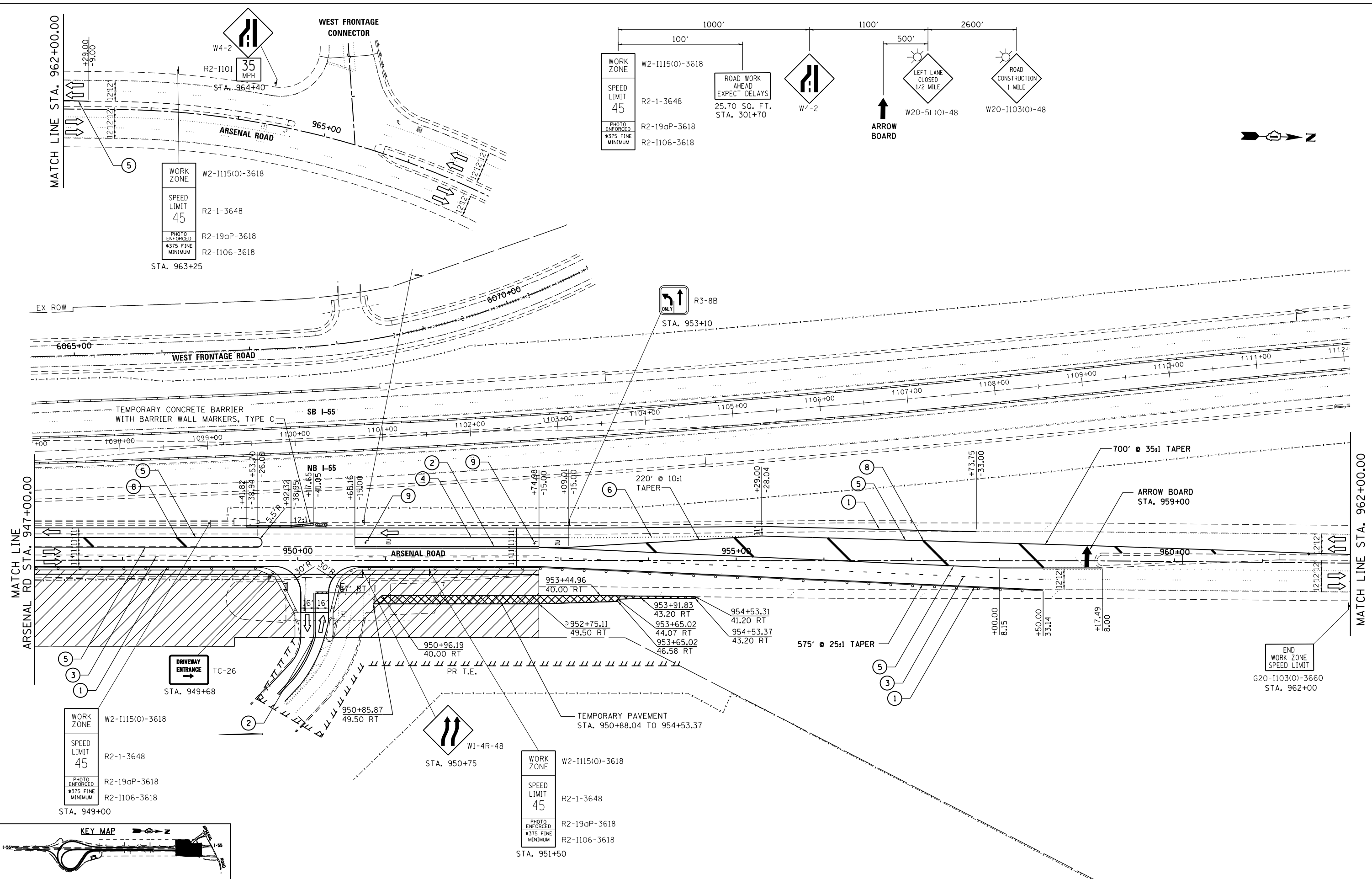
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1A**

SCALE: 1"=50' SHEET 3 OF 4 SHEETS STA. 932+50.00 TO STA. 947+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	32
				CONTRACT NO. 60P51
ILLINOIS FED. AID PROJECT				

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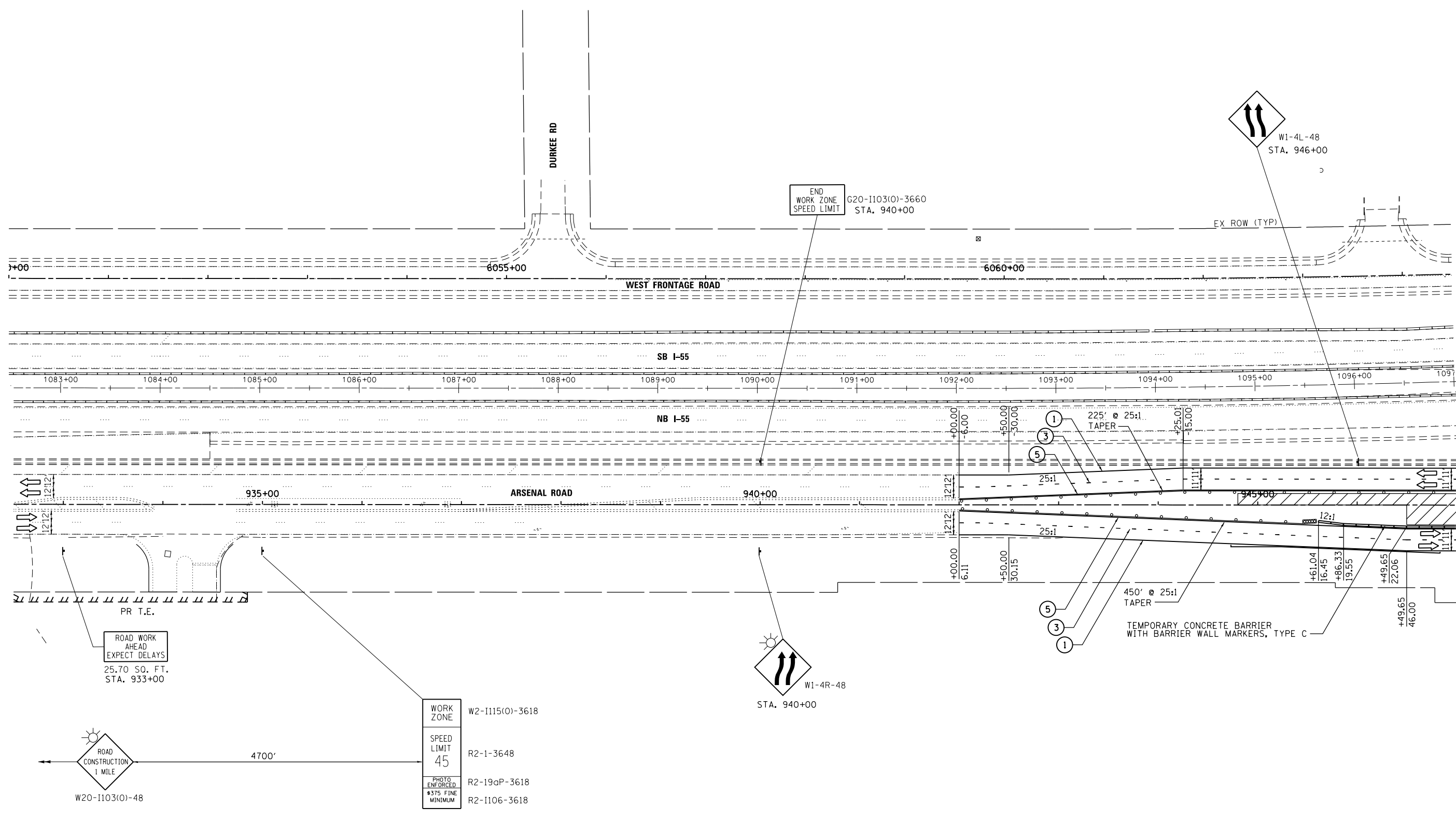
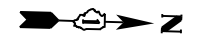
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PLOT SCALE = 100.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1A**

SCALE: 1"=50' SHEET 4 OF 4 SHEETS STA. 947+00.00 TO STA. 962+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	33
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	



FILE NAME = SA\JOL\6300-6399\6346\045\Micro\CAAD Sheets\0160P51-SHT-STAGING-2A-1.dgn

SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = dennisw	DESIGNED - MAG	REVISED -
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

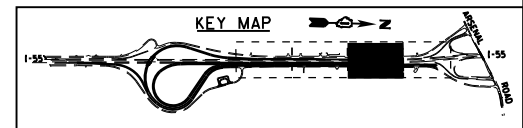
WORK ZONE	W2-I115(O)-3618
SPEED LIMIT	R2-1-3648
PHOTO ENFORCED	R2-19aP-3618
MINIMUM	R2-I106-3618

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

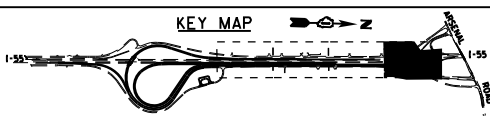
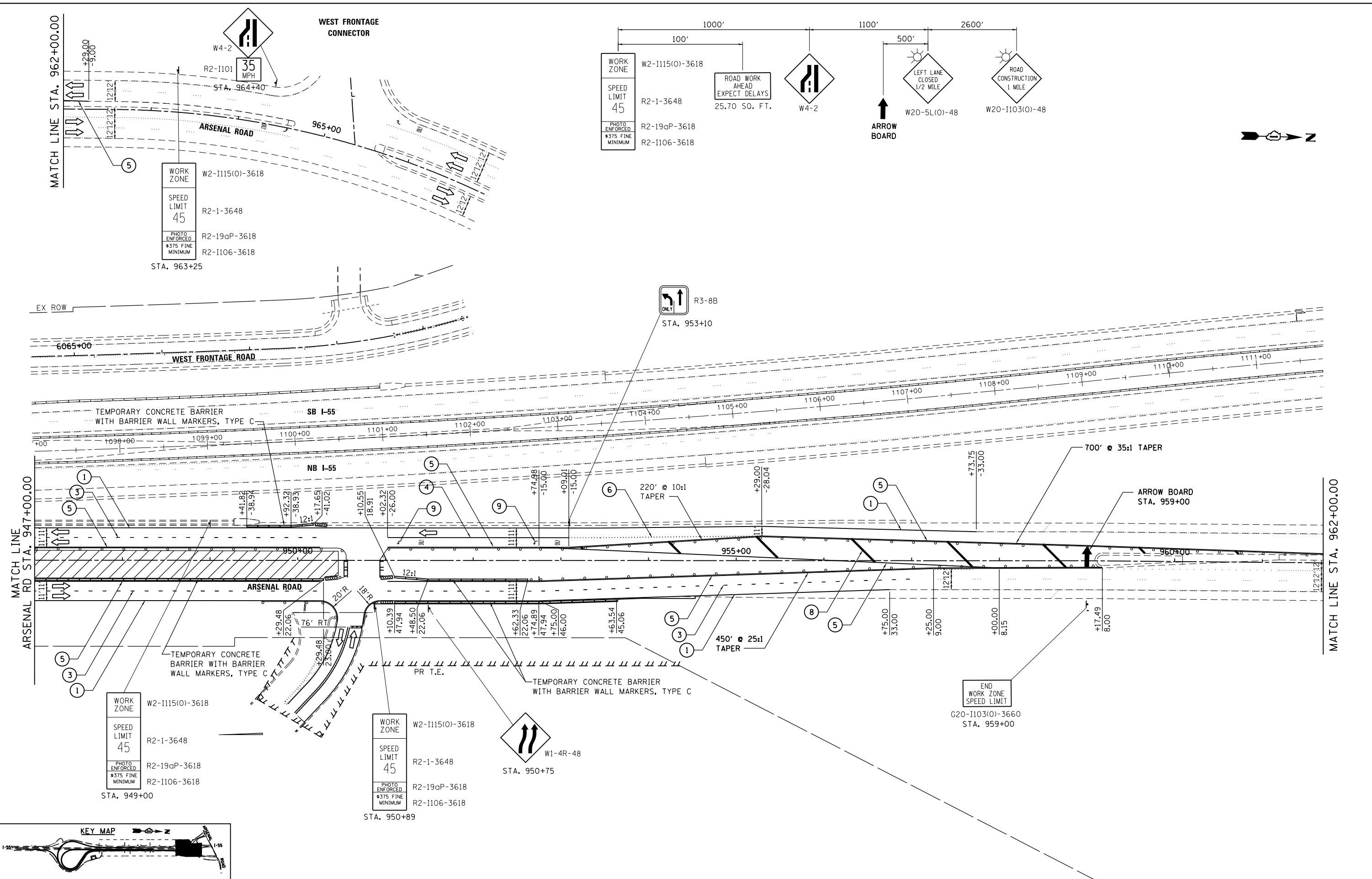
**MAINTENANCE OF TRAFFIC
 STAGE 2A**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 932+50.00 TO STA. 947+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	35
				CONTRACT NO. 60P51
ILLINOIS FED. AID PROJECT				



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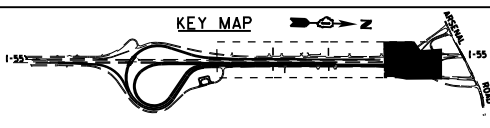
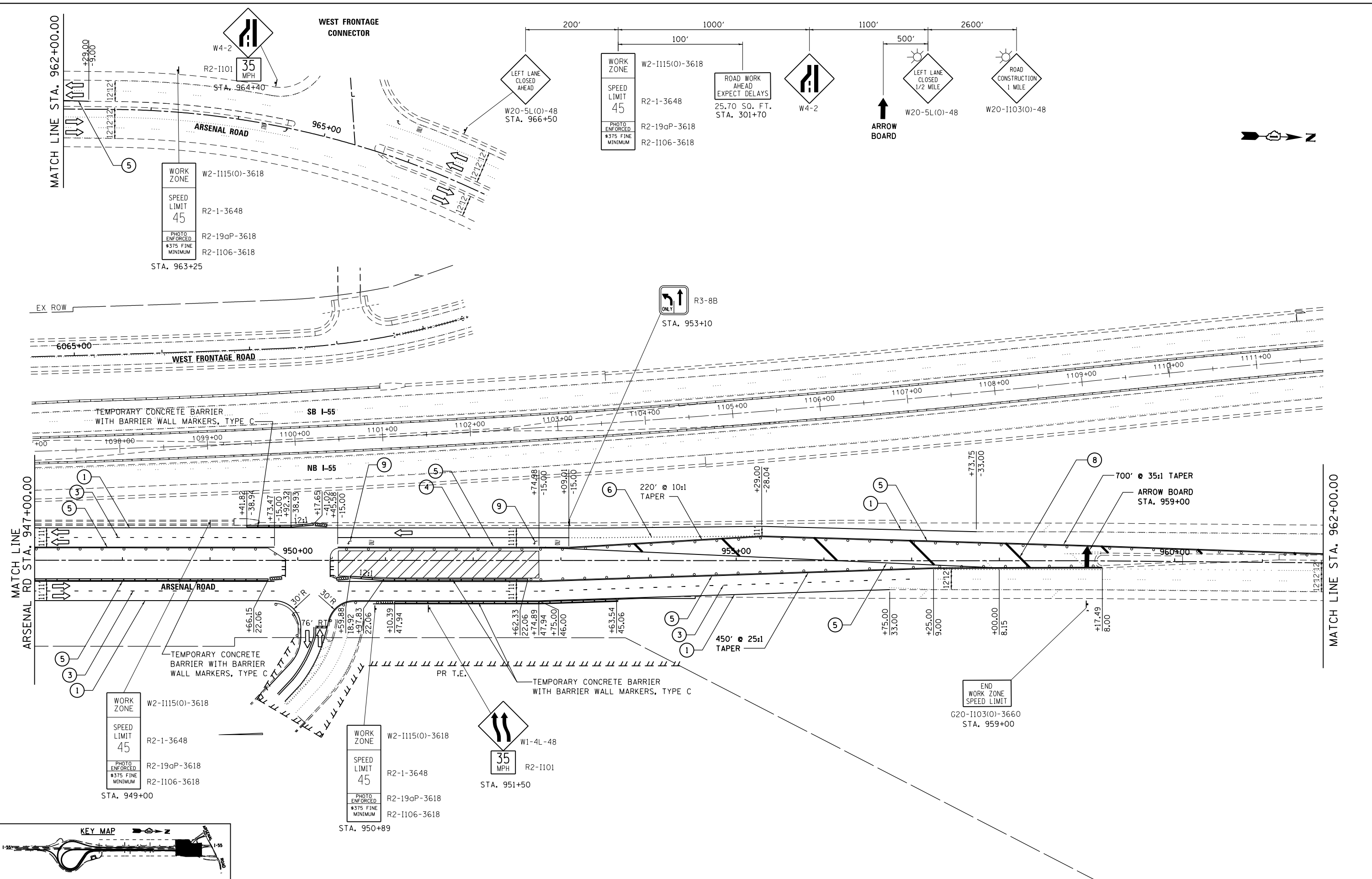
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 2A**

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 947+00.00 TO STA. 962+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	36
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	

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PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 STAGE 2B**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 947+00.00 TO STA. 962+00.00

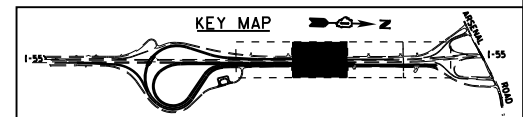
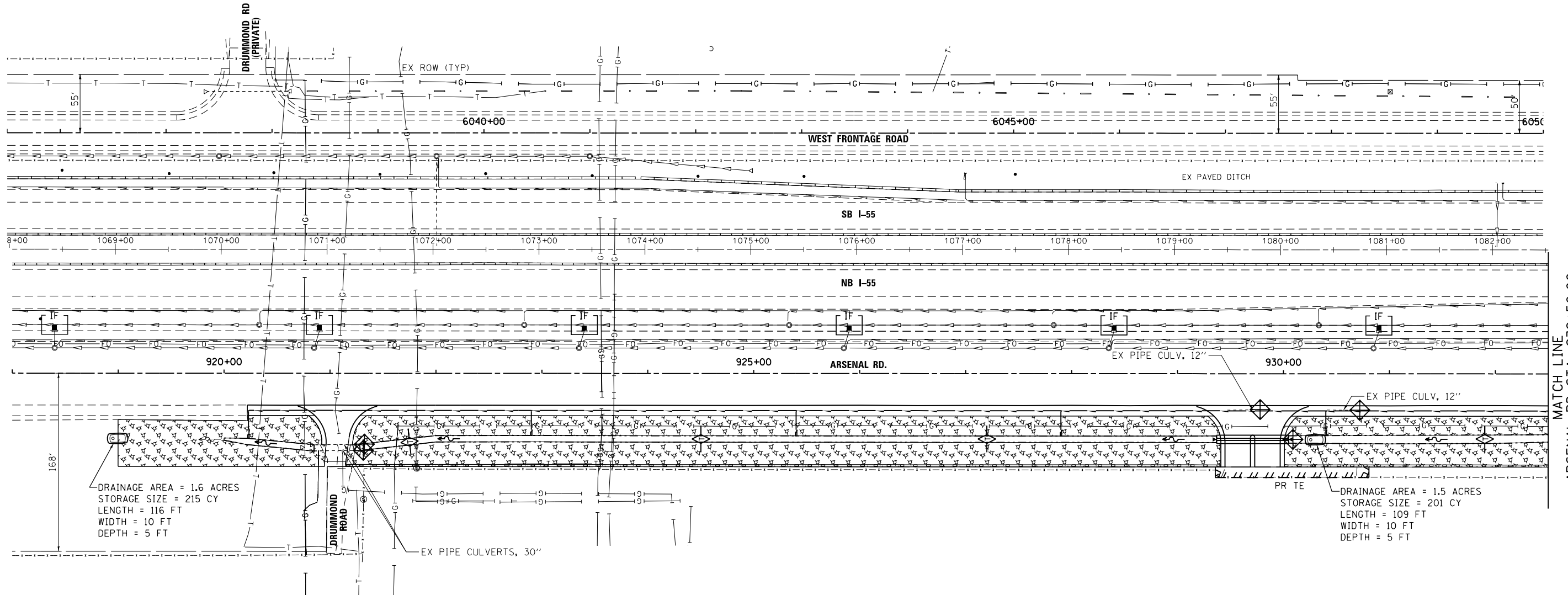
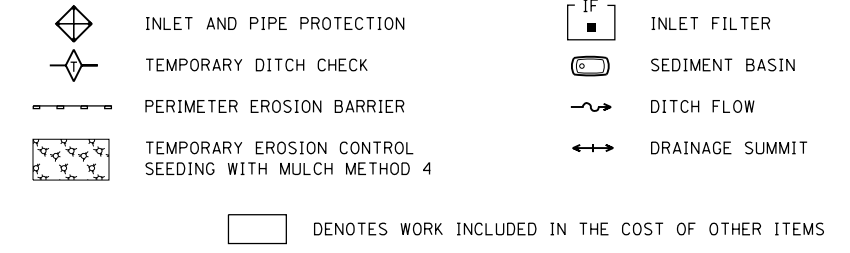
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	37
CONTRACT NO. 60P51				
ILLINOIS FED. AID PROJECT				

EROSION CONTROL GENERAL NOTES

- SILT FENCE SHALL BE USED AS A PERIMETER EROSION BARRIER TO FILTER RUNOFF LEAVING THE PROJECT LIMITS. J-HOOKS SHALL BE INSTALLED AS SHOWN IN HIGHWAY STANDARD 280001 AT LOCATIONS APPROVED BY THE RESIDENT ENGINEER.
- PROPOSED CULVERTS RECEIVING RUNOFF SHALL BE PROTECTED WITH INLET AND PIPE PROTECTION IMMEDIATELY AFTER CONSTRUCTION.
- INLET FILTERS SHALL BE USED ONLY IN PAVED AREAS.
- FOR INLET AND PIPE PROTECTION, USE A COMBINATION OF TEMPORARY SEED, EROSION CONTROL BLANKET, AND TEMPORARY DITCH CHECKS FOR PIPE PROTECTION. THE USE OF STRAW BALES FOR PIPE PROTECTION SHALL NOT BE ALLOWED.
- EROSION CONTROL MEASURES SHALL BE CHECKED WEEKLY AND AFTER EACH RAINFALL, 1/2" OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED AFTER EACH SIGNIFICANT SNOW MELT.
- STABILIZED CONSTRUCTION ENTRANCES WILL BE REQUIRED. ALL LOCATIONS SHALL BE APPROVED BY THE RESIDENT ENGINEER, AND PAYMENT SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CONTRACT.

- EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.
- THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN CONTRACTOR AND THE DEPARTMENT.
- MULCH WILL NOT BE REQUIRED AFTER TEMPORARY SEEDING HAS BEEN COMPLETED ON AREAS WITH SLOPES FLATTER THAN 1:3 THAT ARE TEMPORARILY SEEDED BEFORE SEPTEMBER 16.
- MULCH, METHOD 4 SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AFTER TEMPORARY SEEDING HAS BEEN COMPLETED ON ALL AREAS EXCEPT DITCH BOTTOMS.

EROSION CONTROL LEGEND



FILE NAME = SA\JUL16300-6399\6346\045\Micro\CAAD Sheets\0160P51-SHT-EROSION.dgn

SA STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

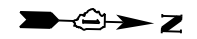
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PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY SEDIMENT & EROSION CONTROL
SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. 918+00.00 TO STA. 932+50.00

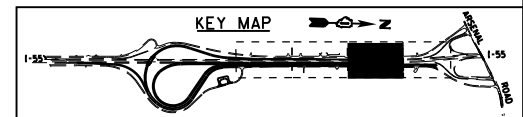
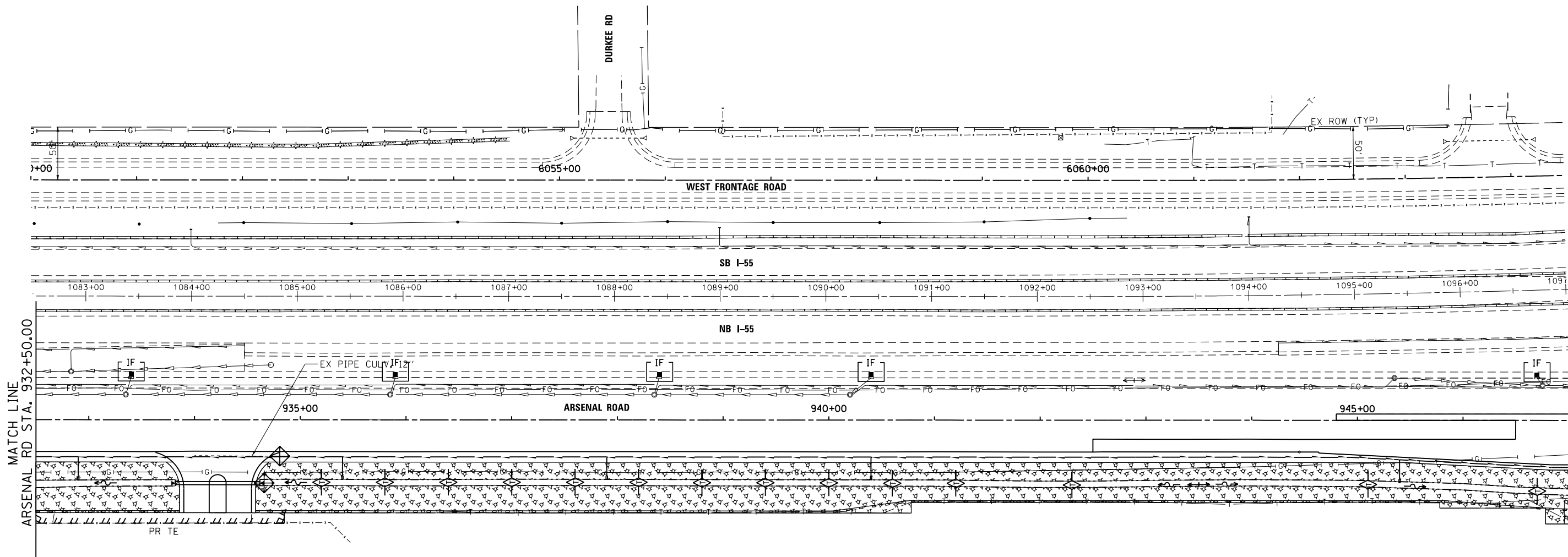
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	38
CONTRACT NO. 60P51				

ILLINOIS FED. AID PROJECT



EROSION CONTROL LEGEND

- | | | | |
|--|---|--|-----------------|
| | INLET AND PIPE PROTECTION | | INLET FILTER |
| | TEMPORARY DITCH CHECK | | SEDIMENT BASIN |
| | PERIMETER EROSION BARRIER | | DITCH FLOW |
| | TEMPORARY EROSION CONTROL SEEDING WITH MULCH METHOD 4 | | DRAINAGE SUMMIT |



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SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200









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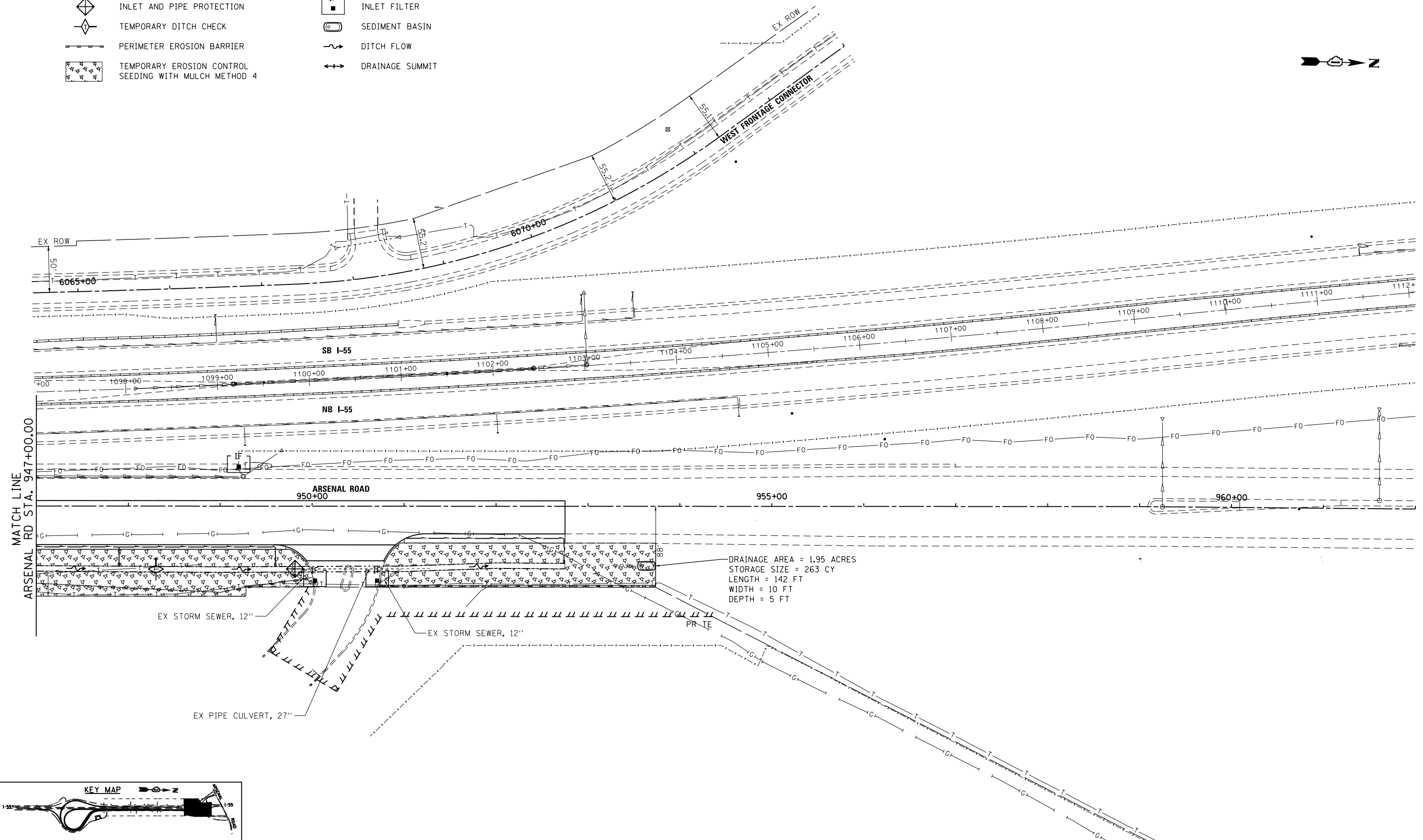
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TEMPORARY SEDIMENT & EROSION CONTROL
 SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. 932+50.00 TO STA. 947+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	39
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	

EROSION CONTROL LEGEND

-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  TEMPORARY EROSION CONTROL SEEDING WITH MULCH METHOD 4
-  INLET FILTER
-  SEDIMENT BASIN
-  DITCH FLOW
-  DRAINAGE SUMMIT



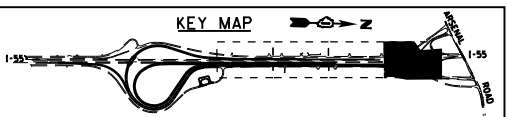
MATCH LINE
ARSENAL RD STA. 947+00.00

DRAINAGE AREA = 1.95 ACRES
 STORAGE SIZE = 263 CY
 LENGTH = 142 FT
 WIDTH = 10 FT
 DEPTH = 5 FT

EX STORM SEWER, 12"

EX STORM SEWER, 12"

EX PIPE CULVERT, 27"



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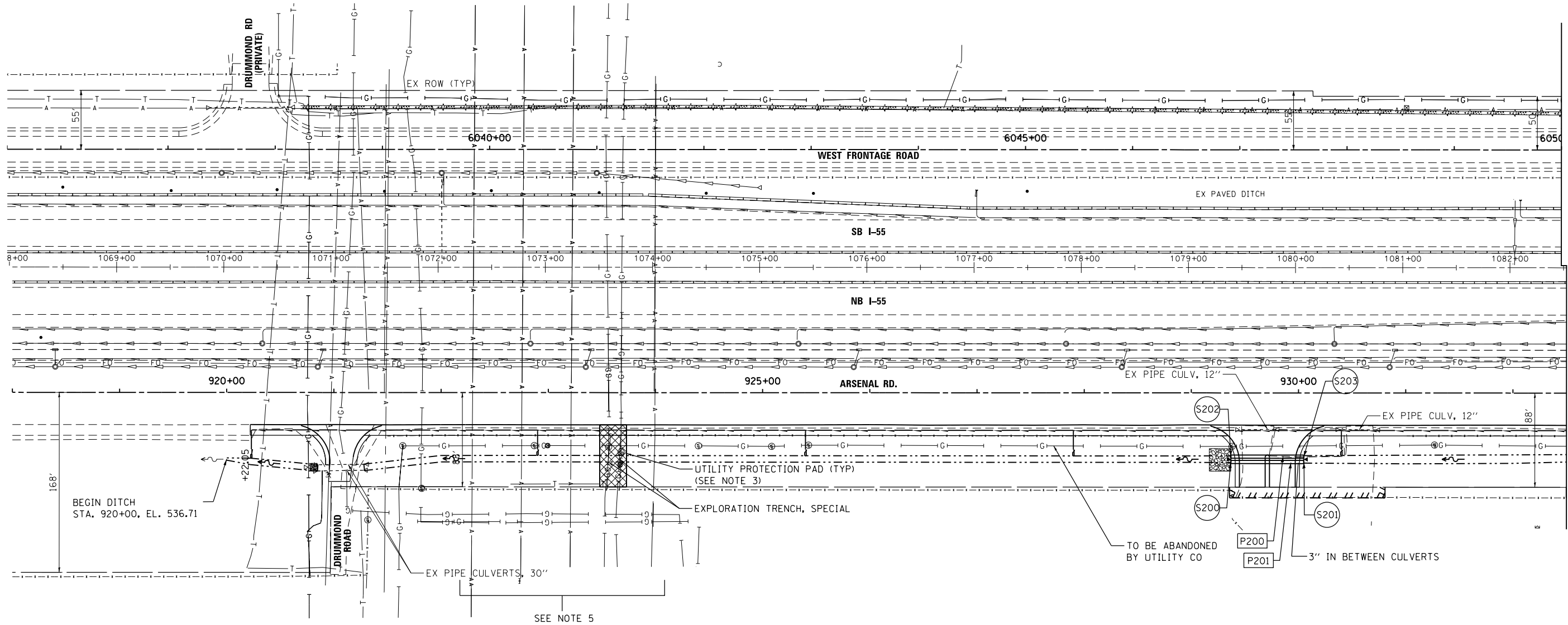
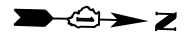
	1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = dennisw MODEL NAME = Default PLOT SCALE = 100.0000' / 1"	DESIGNED - MAG DRAWN - JKP/DJW CHECKED - BMA DATE - 12-5-12	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY SEDIMENT & EROSION CONTROL	SCALE: 1"=50' SHEET 3 OF 3 SHEETS STA. 947+00.00 TO STA. 962+00.00	F.A.I. RTE. 55	SECTION 99-IAC-2	COUNTY WILL	TOTAL SHEETS 102	SHEET NO. 40
									CONTRACT NO. 60P51 ILLINOIS FED. AID PROJECT			

LEGEND

BOUNDARY LINES/SYMBOLS	EXISTING	PROPOSED	BOUNDARY LINES/SYMBOLS	EXISTING	PROPOSED
DITCH & SWALE BOTTOM	----	----	CATCH BASIN	○	●
ROADWAY DITCH FLOW	~>	~>	INLET	—	—
SUMMIT		~>	MANHOLE	○	○
DIRECTION OF SWALE FLOW	→	→	PIPE CULVERT END SECTION	◁	◁
PIPE OR BOX CULVERT	----	----	CONCRETE HEADWALL FOR PIPE DRAINS		—
PIPE UNDERDRAINS OR DRAINS	—	—	STRUCTURES		⊙
STORM SEWER	—	—	PIPES		⊙

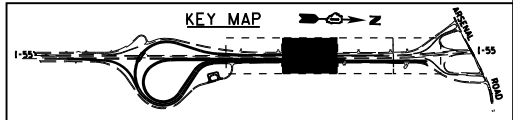
NOTES:

1. AT ALL UTILITY PIPELINE CROSSINGS OR AT LOCATIONS DIRECTED BY THE ENGINEER, ALL EARTH EXCAVATION AND ROCK EXCAVATION SHALL BE PERFORMED WITH HAND TOOLS OR OTHER NONDESTRUCTIVE METHODS APPROVED BY THE ENGINEER OR THE PIPELINE OWNER AS OUTLINED IN THE SPECIAL PROVISION, EXISTING PIPELINE COMPANIES REQUIREMENTS.
2. IN THE VICINITY OF ANY UTILITY CROSSINGS, DETERMINING THE LOCATION OF THE UTILITY SHALL BE PAID FOR AS "EXPLORATION TRENCH, SPECIAL" TO AN ELEVATION AS DIRECTED BY THE ENGINEER.
3. CONTRACTOR MUST COORDINATE WITH TEPPCO AND ALLIANCE FOR UTILITY PROTECTION PADS AND RELOCATION OF EXISTING MONITORING STATIONS.
4. UNDERDRAIN OFFSET FOR CLARITY. SEE TYPICAL SECTIONS FOR UNDERDRAIN LOCATION.
5. CONTRACTOR SHALL CONTACT THOMAS MAHAR FROM COMED AT 815-724-5010 IF OSHA CLEARANCE REQUIREMENTS UNDER OVERHEAD WIRES CANNOT BE MET.



END SECTION NUMBER	STATION	OFFSET (FT)	TYPE OF STRUCTURE	INVERT ELEVATION
S-200 & S-202	929+36.92	62.00	PRECAST BOX CULVERT ES, CULV NO. 1&2	540.31
S-201 & S-203	930+04.92	62.00	PRECAST BOX CULVERT ES, CULV NO. 1&2	540.61

PIPE NO.	FROM	TO	LENGTH (FT)	SIZE (FT)	PIPE TYPE	SLOPE %	TBF (CY)	DOWNSTREAM INVERT	UPSTREAM INVERT
P-200+201	S-200 & S-202	S-201 & S-203	76	4'X2'	PRECAST CONCRETE BOX CULVERTS	0.45	14	540.29	540.63



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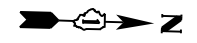
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MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - BMA	REVISED -
PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ARSENAL ROAD DRAINAGE AND UTILITY PLAN

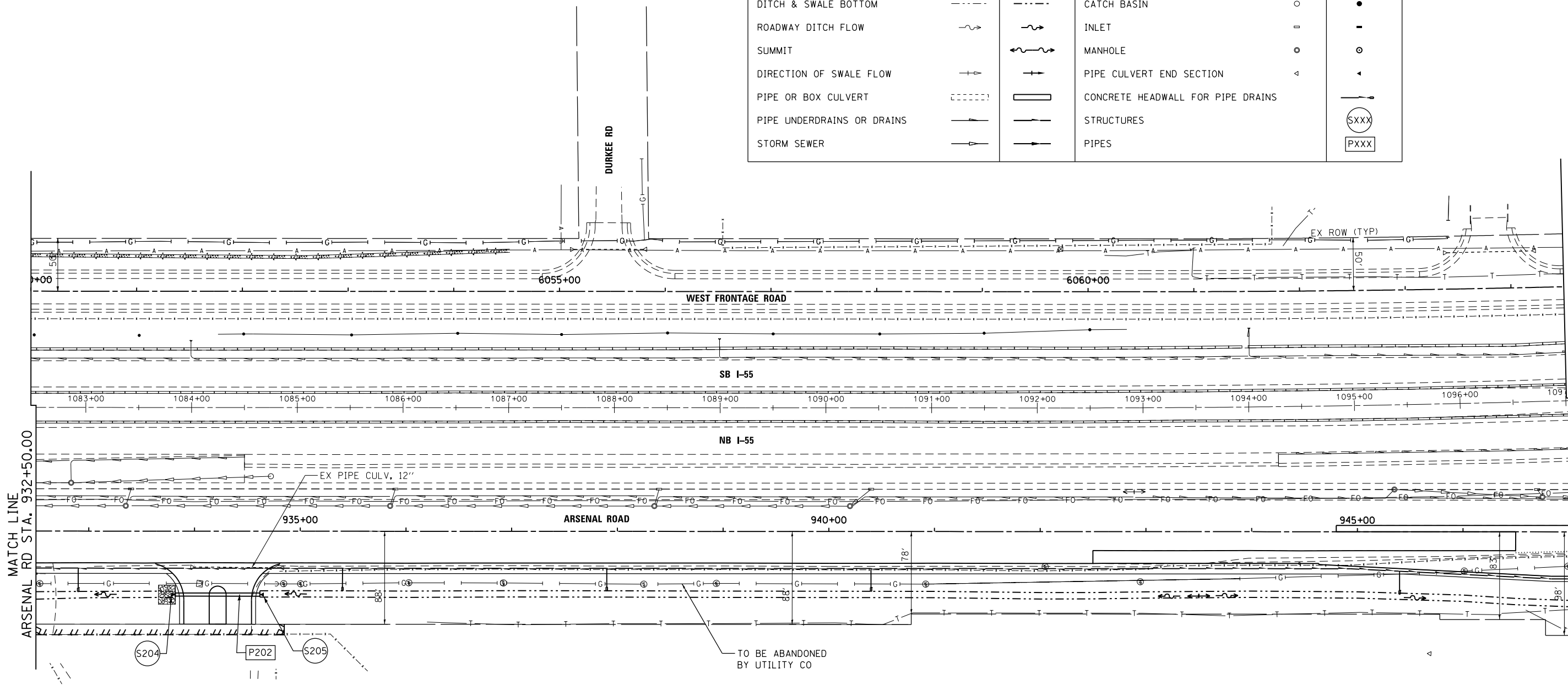
SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. 918+00.00 TO STA. 932+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	41
CONTRACT NO. 60P51				
ILLINOIS FED. AID PROJECT				



LEGEND

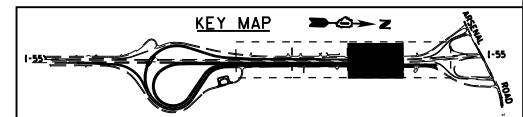
BOUNDARY LINES/SYMBOLS	EXISTING	PROPOSED	BOUNDARY LINES/SYMBOLS	EXISTING	PROPOSED
DITCH & SWALE BOTTOM	---	---	CATCH BASIN	○	●
ROADWAY DITCH FLOW	~>	~>	INLET	□	—
SUMMIT	—	~>	MANHOLE	○	⊙
DIRECTION OF SWALE FLOW	—>	—>	PIPE CULVERT END SECTION	◁	◁
PIPE OR BOX CULVERT	---	---	CONCRETE HEADWALL FOR PIPE DRAINS	—	—
PIPE UNDERDRAINS OR DRAINS	---	---	STRUCTURES	⊙	⊙
STORM SEWER	---	---	PIPES	⊙	⊙



NOTE:
1. UNDERDRAIN OFFSET FOR CLARITY, SEE TYPICAL SECTIONS FOR UNDERDRAIN LOCATION.

END SECTION NUMBER	STATION	OFFSET (FT)	TYPE OF STRUCTURE	INVERT ELEVATION
S-204	933+81.88	60.00	PRECAST BOX CULVERT ES, CULV NO. 3	542.30
S-205	934+61.88	60.00	PRECAST BOX CULVERT ES, CULV NO. 3	542.66

PIPE NO.	FROM	TO	LENGTH (FT)	SIZE (FT)	PIPE TYPE	SLOPE %	TBF (CY)	DOWNSTREAM INVERT	UPSTREAM INVERT
P-202	S-204	S-205	80	3'X2'	PRECAST CONCRETE BOX CULVERTS	0.45	8	542.30	542.66



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USER NAME = dennisw	DESIGNED - MAG	REVISED -
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ARSENAL ROAD DRAINAGE AND UTILITY PLAN

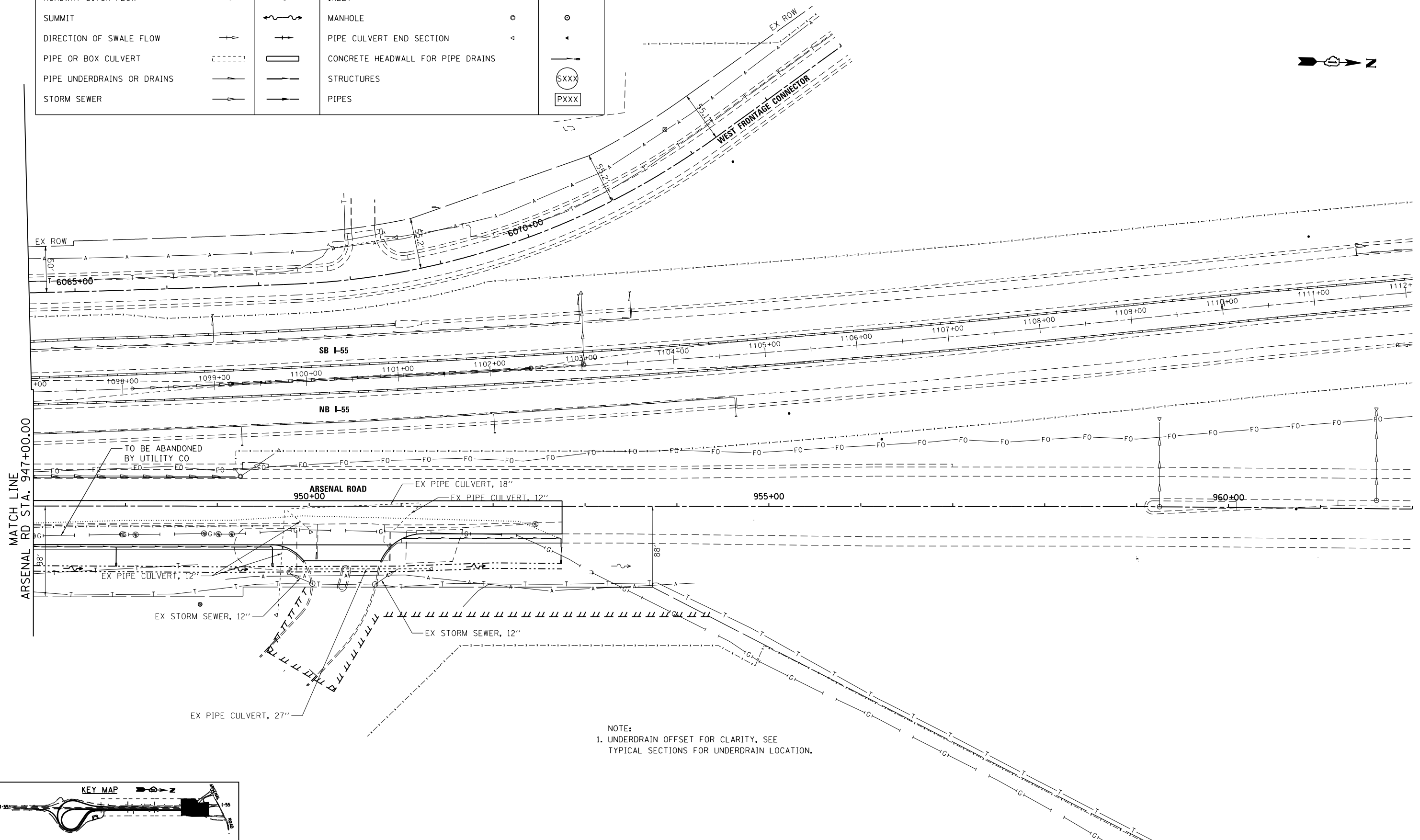
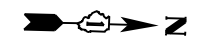
SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. 932+50.00 TO STA. 947+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	42

CONTRACT NO. 60P51
ILLINOIS FED. AID PROJECT

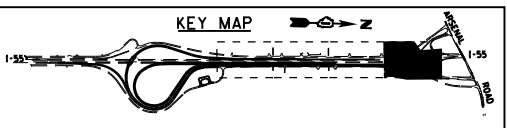
LEGEND

BOUNDARY LINES/SYMBOLS	EXISTING	PROPOSED	BOUNDARY LINES/SYMBOLS	EXISTING	PROPOSED
DITCH & SWALE BOTTOM	---	---	CATCH BASIN	○	●
ROADWAY DITCH FLOW	~>	~>	INLET	—	—
SUMMIT	—	—	MANHOLE	○	○
DIRECTION OF SWALE FLOW	—>	—>	PIPE CULVERT END SECTION	◁	◁
PIPE OR BOX CULVERT	---	---	CONCRETE HEADWALL FOR PIPE DRAINS	—	—
PIPE UNDERDRAINS OR DRAINS	---	---	STRUCTURES	○	○
STORM SEWER	---	---	PIPES	○	○

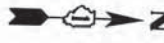
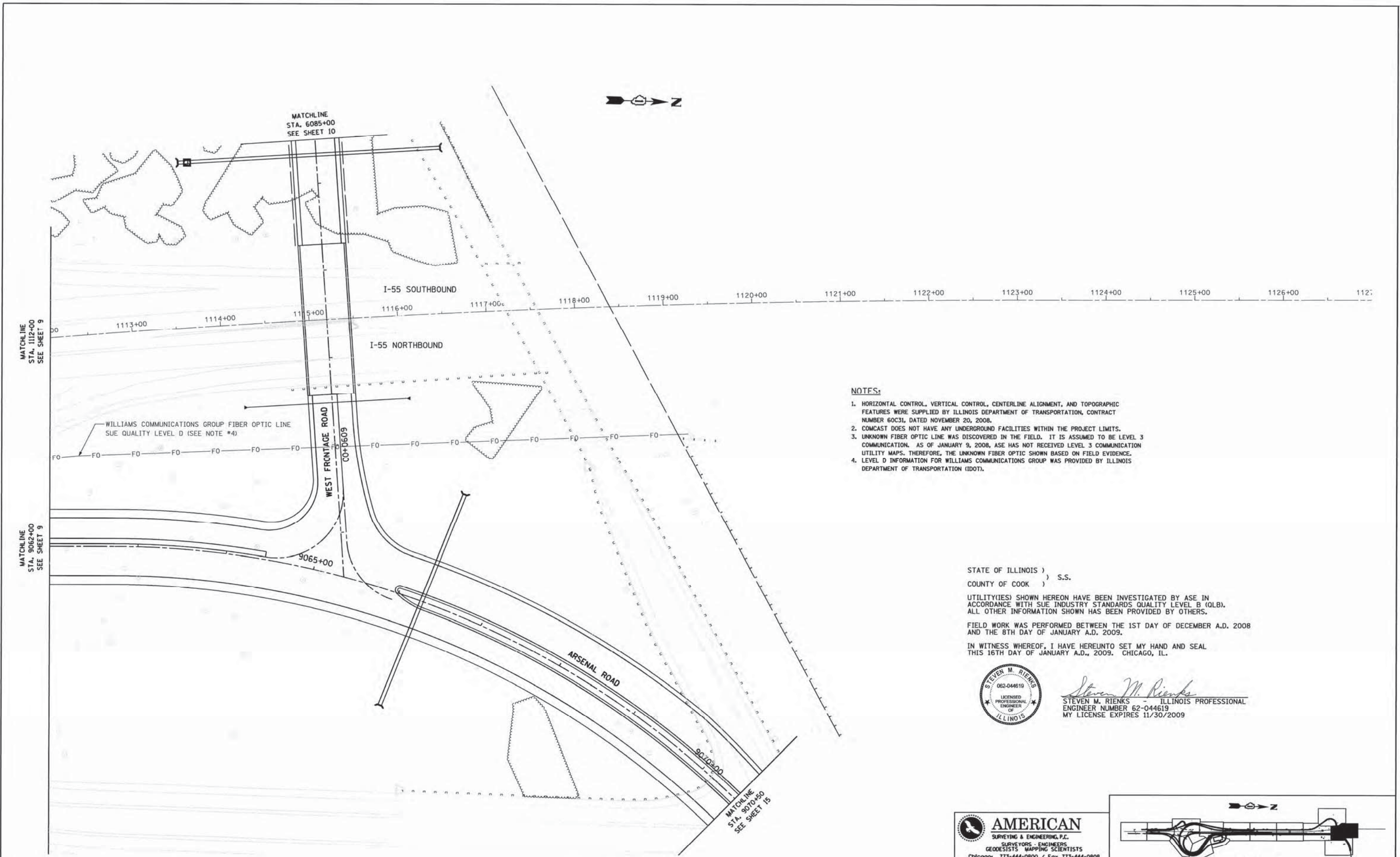


NOTE:
1. UNDERDRAIN OFFSET FOR CLARITY, SEE TYPICAL SECTIONS FOR UNDERDRAIN LOCATION.

FILE NAME = S:\JUL16300-6399\6346-045\Micro\CAD Sheets\01680P51-SHT-DRAW\N03.dgn



1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = dennisw MODEL NAME = Default PLOT SCALE = 100.0000' / in. PLOT DATE = 2/18/2014	DESIGNED - MAG DRAWN - JKP/DJW CHECKED - BMA DATE - 12-5-12	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARSENAL ROAD DRAINAGE AND UTILITY PLAN		F.A.I. RTE. 55 SECTION 99-IAC-2 COUNTY WILL TOTAL SHEETS 102 SHEET NO. 43	CONTRACT NO. 60P51 ILLINOIS FED. AID PROJECT
	SCALE: 1"=50' SHEET 3 OF 3 SHEETS STA. 947+00.00 TO STA. 962+00.00							



NOTES:

1. HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, AND TOPOGRAPHIC FEATURES WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION, CONTRACT NUMBER 60C31, DATED NOVEMBER 20, 2008.
2. COMCAST DOES NOT HAVE ANY UNDERGROUND FACILITIES WITHIN THE PROJECT LIMITS.
3. UNKNOWN FIBER OPTIC LINE WAS DISCOVERED IN THE FIELD. IT IS ASSUMED TO BE LEVEL 3 COMMUNICATION. AS OF JANUARY 9, 2008, ASE HAS NOT RECEIVED LEVEL 3 COMMUNICATION UTILITY MAPS. THEREFORE, THE UNKNOWN FIBER OPTIC SHOWN BASED ON FIELD EVIDENCE.
4. LEVEL D INFORMATION FOR WILLIAMS COMMUNICATIONS GROUP WAS PROVIDED BY ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT).

STATE OF ILLINOIS)
COUNTY OF COOK) S.S.

UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 1ST DAY OF DECEMBER A.D. 2008 AND THE 8TH DAY OF JANUARY A.D. 2009.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 16TH DAY OF JANUARY A.D., 2009. CHICAGO, IL.



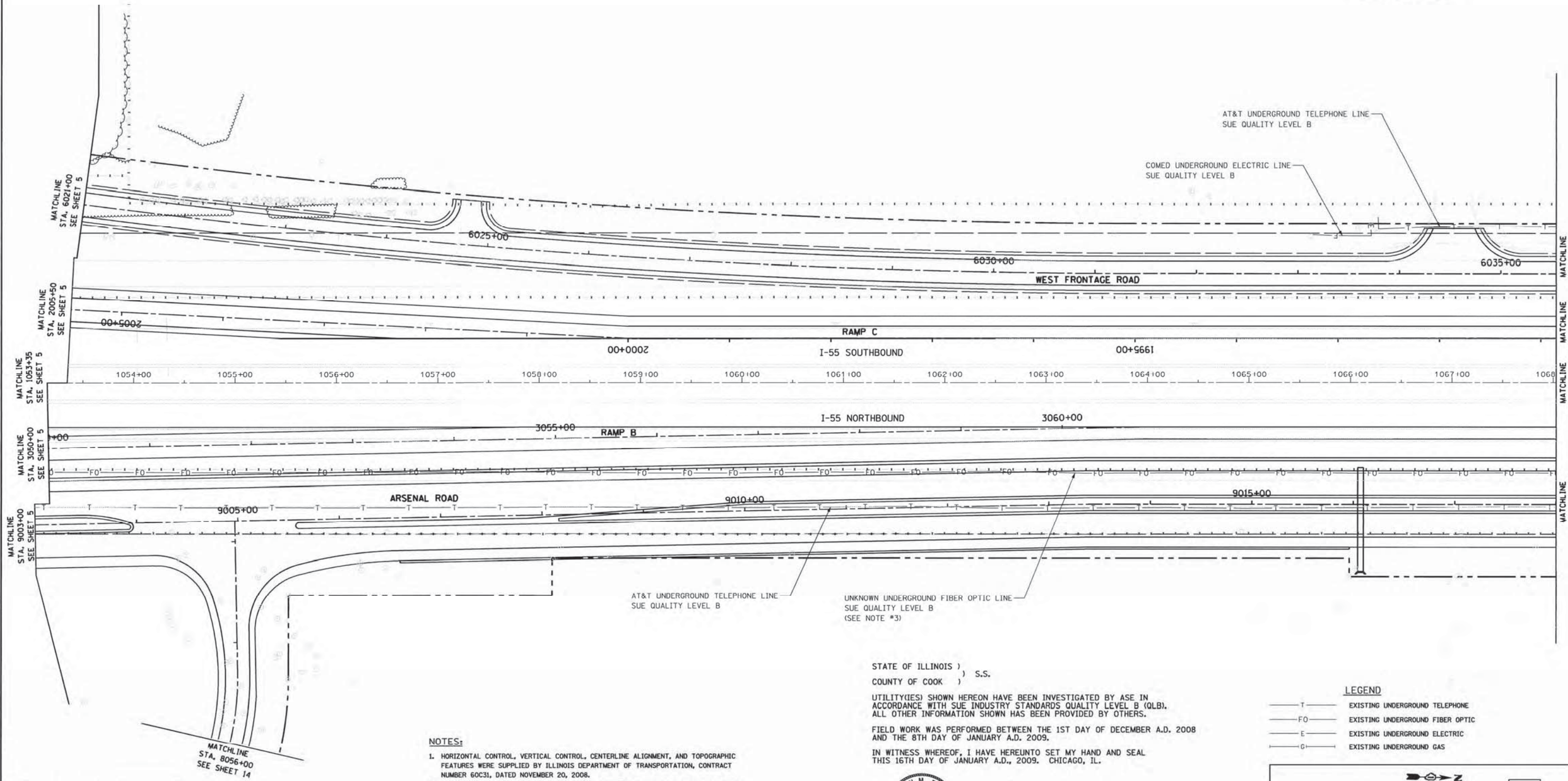
Steven M. Rienks
STEVEN M. RIENKS - ILLINOIS PROFESSIONAL
ENGINEER NUMBER 62-044619
MY LICENSE EXPIRES 11/30/2009

AMERICAN
SURVEYING & ENGINEERING, P.C.
SURVEYORS - ENGINEERS
GEODESISTS - MAPPING SCIENTISTS
Chicago 773-444-0800 / Fax 773-444-0808
Dixons 815-288-6231 / Fax 815-288-6277
Aurora 630-897-4105 / Fax 630-897-4121
Illinois Professional Design Firm No. 184-003192



KEY MAP

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	UNDER INVESTIGATION OF UNDERGROUND UTILITIES				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILE#		DRAWN -	REVISED -		55	99-2HB-2-R	WILL	102	44				
	PLOT SCALE = 1"=50'	CHECKED -	REVISED -		CONTRACT NO. 60C31								
	PLOT DATE = 1/16/2009	DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	



MATCHLINE STA. 1053+35 SEE SHEET 5
 MATCHLINE STA. 1054+50 SEE SHEET 5
 MATCHLINE STA. 1055+50 SEE SHEET 5
 MATCHLINE STA. 1056+50 SEE SHEET 5
 MATCHLINE STA. 1057+50 SEE SHEET 5
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 MATCHLINE STA. 1068+50 SEE SHEET 5

MATCHLINE STA. 6021+00 SEE SHEET 5
 MATCHLINE STA. 2005+50 SEE SHEET 5
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 MATCHLINE STA. 1098+50 SEE SHEET 5
 MATCHLINE STA. 1099+50 SEE SHEET 5
 MATCHLINE STA. 1100+50 SEE SHEET 5

MATCHLINE STA. 8056+00 SEE SHEET 14

- NOTES:**
- HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, AND TOPOGRAPHIC FEATURES WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION, CONTRACT NUMBER 60C31, DATED NOVEMBER 20, 2008.
 - COMCAST DOES NOT HAVE ANY UNDERGROUND FACILITIES WITHIN THE PROJECT LIMITS.
 - UNKNOWN FIBER OPTIC LINE WAS DISCOVERED IN THE FIELD. IT IS ASSUMED TO BE LEVEL 3 COMMUNICATION. AS OF JANUARY 9, 2008, ASE HAS NOT RECEIVED LEVEL 3 COMMUNICATION UTILITY MAPS. THEREFORE, THE UNKNOWN FIBER OPTIC SHOWN BASED ON FIELD EVIDENCE.

STATE OF ILLINOIS)
 COUNTY OF COOK) S.S.

UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 1ST DAY OF DECEMBER A.D. 2008 AND THE 8TH DAY OF JANUARY A.D. 2009. CHICAGO, IL.

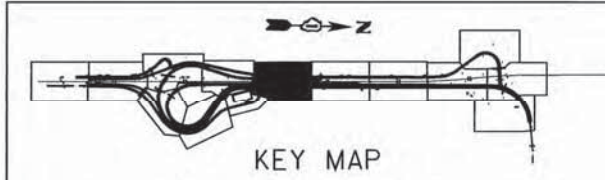
IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 16TH DAY OF JANUARY A.D., 2009. CHICAGO, IL.



Steven M. Rienks
 STEVEN M. RIENKS - ILLINOIS PROFESSIONAL ENGINEER NUMBER 62-044619
 MY LICENSE EXPIRES 11/30/2009

LEGEND

—T—	EXISTING UNDERGROUND TELEPHONE
—FO—	EXISTING UNDERGROUND FIBER OPTIC
—E—	EXISTING UNDERGROUND ELECTRIC
—G—	EXISTING UNDERGROUND GAS



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 Aurora 630-897-4105 / Fax 630-897-4121
 Illinois Professional Design Firm No. 184-003192

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
*FILE#		DRAWN -	REVISED -
	PLOT SCALE = 1"-50'	CHECKED -	REVISED -
	PLOT DATE = 1/16/2009	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUE INVESTIGATION OF UNDERGROUND UTILITIES				
SCALE:	SHEET NO.	OF	SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-2HB-2-R	WILL	102	45
CONTRACT NO. 60C31				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

STATE OF ILLINOIS)
COUNTY OF COOK) S.S.

UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL A (QLA). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 9TH OF JUNE AND 6TH DAY OF JULY, A.D., 2009.

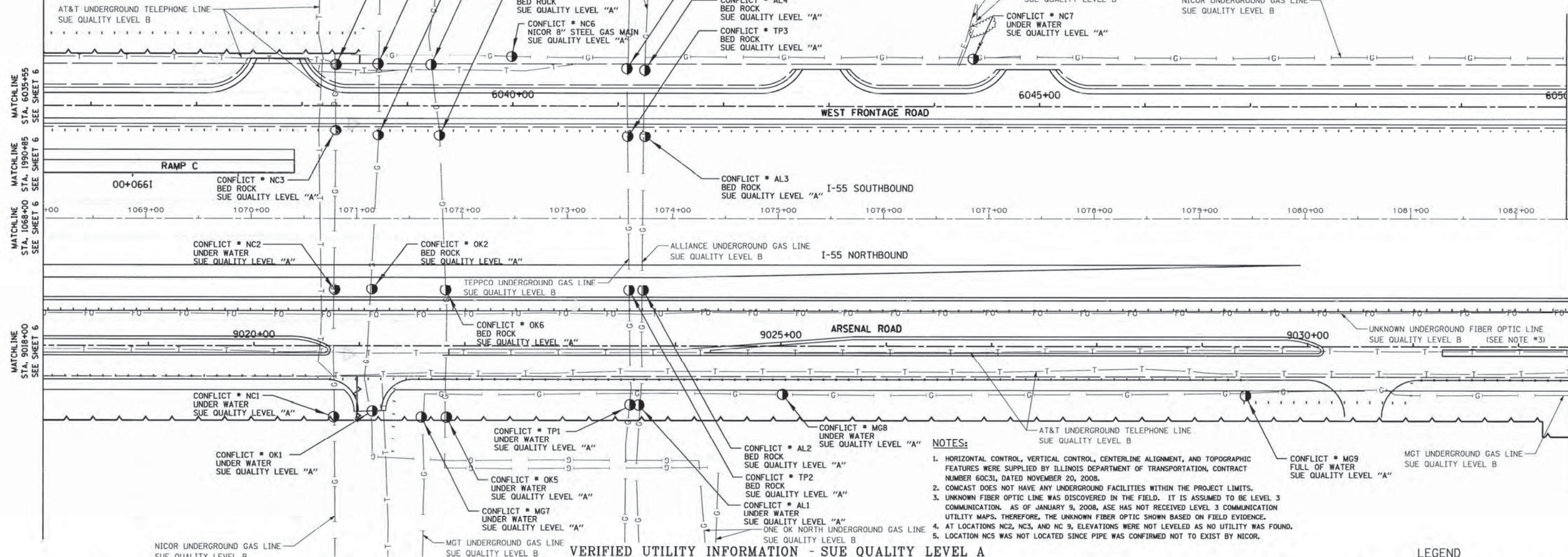
IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 10TH DAY OF JULY A.D., 2009. CHICAGO, IL.



STEVEN M. RIENKS - ILLINOIS PROFESSIONAL ENGINEER NUMBER 62-044619 MY LICENSE EXPIRES 11/30/2009

VERIFIED UTILITY INFORMATION - SUE QUALITY LEVEL A

CONFLICT NO.	SIZE / TYPE	NORTHING	EASTING	STATION	OFFSET	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEV.	COMMENTS
AL1	-	1726382.6960	1022809.8870	1073+67.93	178.73 RT.	-	1.0'	541.14	ALLIANCE - HOLE FULL OF WATER
AL2	-	1726383.6568	1022699.8341	1073+71.97	68.75 RT.	-	0.9'	539.47	ALLIANCE - DUG TO BED ROCK - PIPE LINE BORED UNDER ROAD PER ALLIANCE
AL3	-	1726381.0938	1022552.2743	1073+73.54	78.82 LT.	-	2.3'	541.41	ALLIANCE - DUG TO BED ROCK - PIPE LINE BORED UNDER ROAD PER ALLIANCE
AL4	-	1726379.0645	1022488.5802	1073+73.29	142.55 LT.	-	2.1'	540.72	ALLIANCE - DUG TO BED ROCK - PIPE LINE BORED UNDER ROAD PER ALLIANCE
NC1	-	1726093.5610	1022829.1370	1070+78.37	189.89 RT.	-	2.9'	541.05	NICOR - HOLE FULL OF WATER
NC2	-	1726090.9710	1022707.7710	1070+79.19	68.06 RT.	-	2.5'	538.44	NICOR - HOLE FULL OF WATER
NC3	-	1726087.5660	1022554.3570	1070+80.07	84.95 LT.	-	2.5'	541.46	NICOR - DUG TO BED ROCK
NC4	-	1726085.9716	1022491.5175	1070+80.23	147.81 LT.	-	5.4'	541.68	NICOR - HOLE FULL OF WATER
NC6	8" STEEL	1726252.2673	1022478.9339	1072+46.81	155.74 LT.	538.12	3.07'	541.19	NICOR - (NO CASING)
NC7	-	1726690.2684	1022468.6704	1076+84.93	153.75 LT.	-	6.1'	543.63	NICOR - HOLE FULL OF WATER
MG7	-	1726176.7840	1022827.0720	1071+61.62	190.15 RT.	-	3.1'	541.29	MIDWEST GAS - HOLE FULL OF WATER



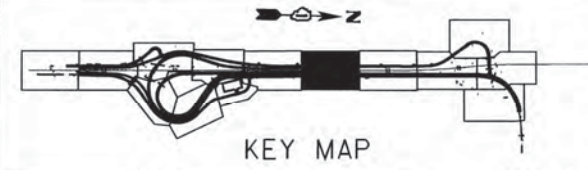
- NOTES:**
- HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, AND TOPOGRAPHIC FEATURES WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION, CONTRACT NUMBER 60C31, DATED NOVEMBER 20, 2008.
 - COMCAST DOES NOT HAVE ANY UNDERGROUND FACILITIES WITHIN THE PROJECT LIMITS.
 - UNKNOWN FIBER OPTIC LINE WAS DISCOVERED IN THE FIELD. IT IS ASSUMED TO BE LEVEL 3 COMMUNICATION. AS OF JANUARY 9, 2008, ASE HAS NOT RECEIVED LEVEL 3 COMMUNICATION UTILITY MAPS. THEREFORE, THE UNKNOWN FIBER OPTIC SHOWN BASED ON FIELD EVIDENCE.
 - AT LOCATIONS NC2, NC3, AND NC 9, ELEVATIONS WERE NOT LEVELED AS NO UTILITY WAS FOUND.
 - LOCATION NC5 WAS NOT LOCATED SINCE PIPE WAS CONFIRMED NOT TO EXIST BY NICOR.

VERIFIED UTILITY INFORMATION - SUE QUALITY LEVEL A

CONFLICT NO.	SIZE / TYPE	NORTHING	EASTING	STATION	OFFSET	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEV.	COMMENTS
MG8	-	1726518.7720	1022795.9650	1075+04.35	168.62 RT.	-	2.1	541.86	MIDWEST GAS - HOLE FULL OF WATER
MG9	-	1726958.1240	1022784.7220	1079+43.84	169.67 RT.	-	4.2'	543.49	MIDWEST GAS - HOLE FULL OF WATER (MOVED 30' S. OUT OF CONC. ENTRANCE)
OK1	-	1726130.0650	1022822.5510	1071+15.05	184.33 RT.	-	3.0'	540.57	ONEOK - HOLE FULL OF WATER
OK2	-	1726126.3496	1022705.7834	1071+14.60	67.50 RT.	-	1.1'	538.51	ONEOK - DUG TO BED ROCK
OK3	-	1726127.9116	1022557.9177	1071+20.30	80.26 LT.	-	1.8'	540.91	ONEOK - DUG TO BED ROCK
OK4	-	1726125.7924	1022489.6356	1071+20.09	148.58 LT.	-	1.8'	541.85	ONEOK - DUG TO BED ROCK
OK5	-	1726200.5500	1022826.5780	1071+85.39	190.32 RT.	-	0.5'	540.35	ONEOK - HOLE FULL OF WATER
OK6	-	1726196.2271	1022704.7196	1071+84.48	68.39 RT.	-	1.8'	538.81	ONEOK - DUG TO BED ROCK
OK7	-	1726186.0864	1022556.6103	1071+78.49	79.94 LT.	-	2.1'	540.70	ONEOK - DUG TO BED ROCK - PIPE LINE BORED UNDER ROAD PER ONEOK
OK8	-	1726176.0600	1022489.0212	1071+70.35	147.79 LT.	-	0.8'	541.27	ONEOK - DUG TO BED ROCK - PIPE LINE BORED UNDER ROAD PER ONEOK
TP1	-	1726374.4370	1022809.9660	1073+59.68	178.58 RT.	-	1.6'	541.44	TEPPCO - HOLE FULL OF WATER
TP2	-	1726370.3218	1022700.1007	1073+58.64	68.64 RT.	-	1.0'	539.44	TEPPCO - DUG TO BED ROCK - PIPE LINE BORED UNDER ROAD PER TEPPCO
TP3	-	1726364.6736	1022552.6818	1073+57.11	78.87 LT.	-	2.5'	541.35	TEPPCO - DUG TO BED ROCK - PIPE LINE BORED UNDER ROAD PER TEPPCO
TP4	-	1726361.9944	1022487.5447	1073+56.26	144.06 LT.	-	2.7'	540.96	TEPPCO - DUG TO BED ROCK - PIPE LINE BORED UNDER ROAD PER TEPPCO

LEGEND

- CONFLICT * (SUE QUALITY LEVEL A)
- T — EXISTING UNDERGROUND TELEPHONE
- W — EXISTING UNDERGROUND WATER
- E — EXISTING UNDERGROUND ELECTRIC
- G — EXISTING UNDERGROUND GAS
- CTV — EXISTING UNDERGROUND CABLE TV
- FO — EXISTING UNDERGROUND FIBER OPTIC



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SURVEYING & ENGINEERING, P.C.
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Illinois Professional Design Firm No. 184-003192

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

PLOT SCALE = 1"=50'	DATE -	REVISED -
PLOT DATE = 1/16/2009		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUE INVESTIGATION OF
UNDERGROUND UTILITIES**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

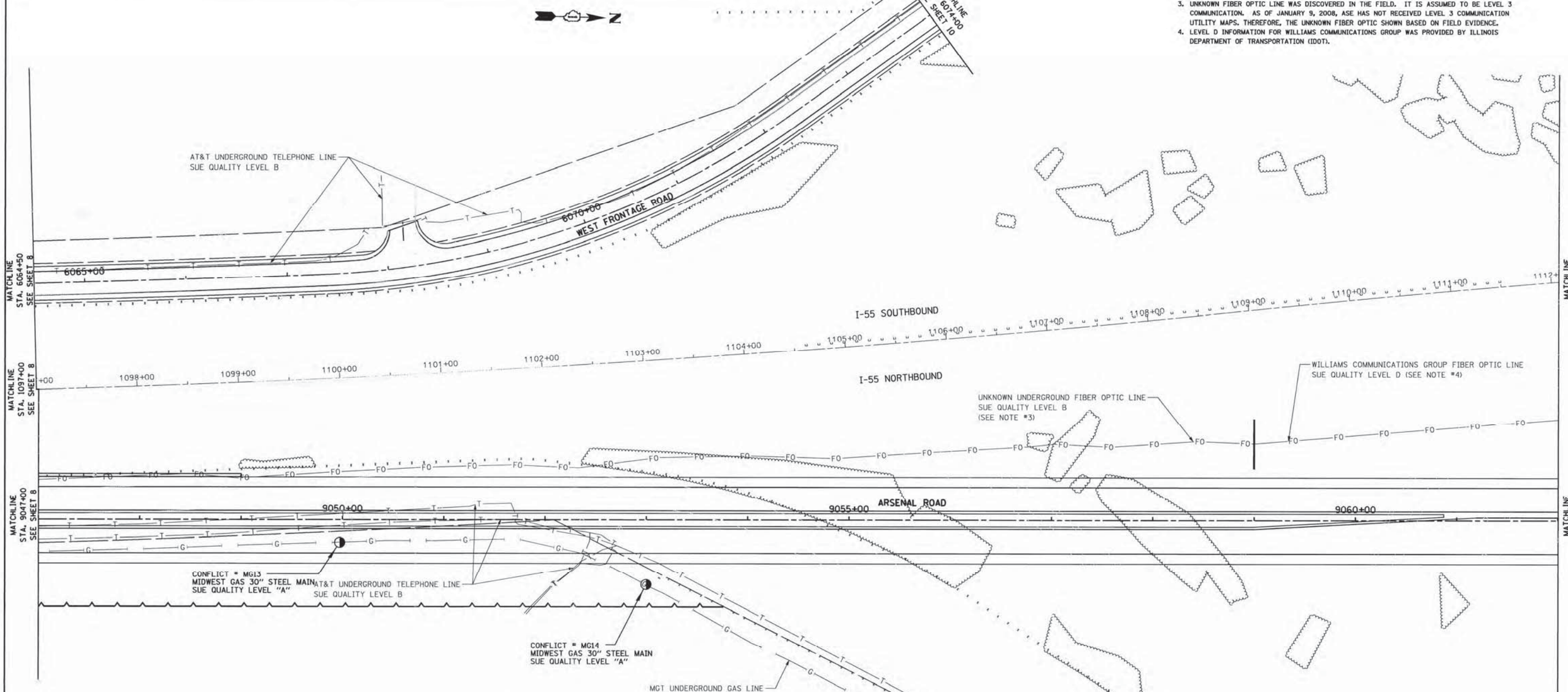
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-2HB-2-R	WILL	102	46
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 60C31	

VERIFIED UTILITY INFORMATION - SUE QUALITY LEVEL A

CONFLICT NO.	SIZE / TYPE	NORTHING	EASTING	STATION	OFFSET	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEV.	COMMENTS
MG13	30" STEEL MAIN	1729012.7250	1022702.7590	1099+92.52	163.38 RT.	546.76	4.68'	551.44	MIDWEST GAS - (NO CASING)
MG14	30" STEEL MAIN	1729316.2900	1022736.6010	1102+88.64	222.63 RT.	547.04	4.25'	551.29	MIDWEST GAS - (NO CASING)

NOTES:

- HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, AND TOPOGRAPHIC FEATURES WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION, CONTRACT NUMBER 60C31, DATED NOVEMBER 20, 2008.
- COMCAST DOES NOT HAVE ANY UNDERGROUND FACILITIES WITHIN THE PROJECT LIMITS.
- UNKNOWN FIBER OPTIC LINE WAS DISCOVERED IN THE FIELD. IT IS ASSUMED TO BE LEVEL 3 COMMUNICATION. AS OF JANUARY 9, 2008, ASE HAS NOT RECEIVED LEVEL 3 COMMUNICATION UTILITY MAPS. THEREFORE, THE UNKNOWN FIBER OPTIC SHOWN BASED ON FIELD EVIDENCE.
- LEVEL D INFORMATION FOR WILLIAMS COMMUNICATIONS GROUP WAS PROVIDED BY ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT).



AMERICAN
SURVEYING & ENGINEERING, P.C.
SURVEYORS - ENGINEERS
GEODESISTS - MAPPING SCIENTISTS
Chicago 773-444-0800 / Fax 773-444-0808
Dixons 815-288-6231 / Fax 815-288-6277
Aurora 603-897-4105 / Fax 630-897-4121
Illinois Professional Design Firm No. 184-003192

STATE OF ILLINOIS)
COUNTY OF COOK) S.S.
UTILITIES SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL A (QLA). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.
FIELD WORK WAS PERFORMED BETWEEN THE 9TH OF JUNE AND 6TH DAY OF JULY, A.D., 2009.
IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 10TH DAY OF JULY A.D., 2009. CHICAGO, IL.

STEVEN M. RIENKS
062-044619
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
Steven M. Rienks
STEVEN M. RIENKS - ILLINOIS PROFESSIONAL ENGINEER NUMBER 62-044619
MY LICENSE EXPIRES 11/30/2009

- LEGEND**
- CONFLICT * (SUE QUALITY LEVEL A)
 - T — EXISTING UNDERGROUND TELEPHONE
 - W — EXISTING UNDERGROUND WATER
 - E — EXISTING UNDERGROUND ELECTRIC
 - G — EXISTING UNDERGROUND GAS
 - CTV — EXISTING UNDERGROUND CABLE TV
 - FO — EXISTING UNDERGROUND FIBER OPTIC

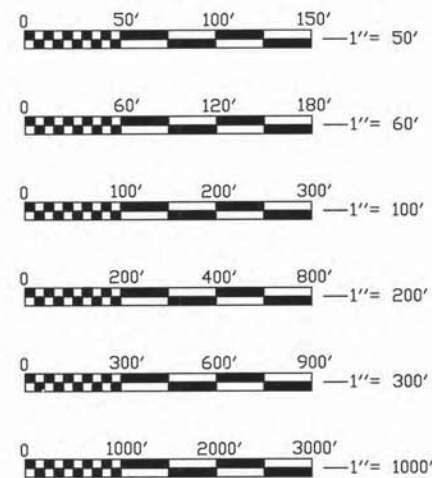
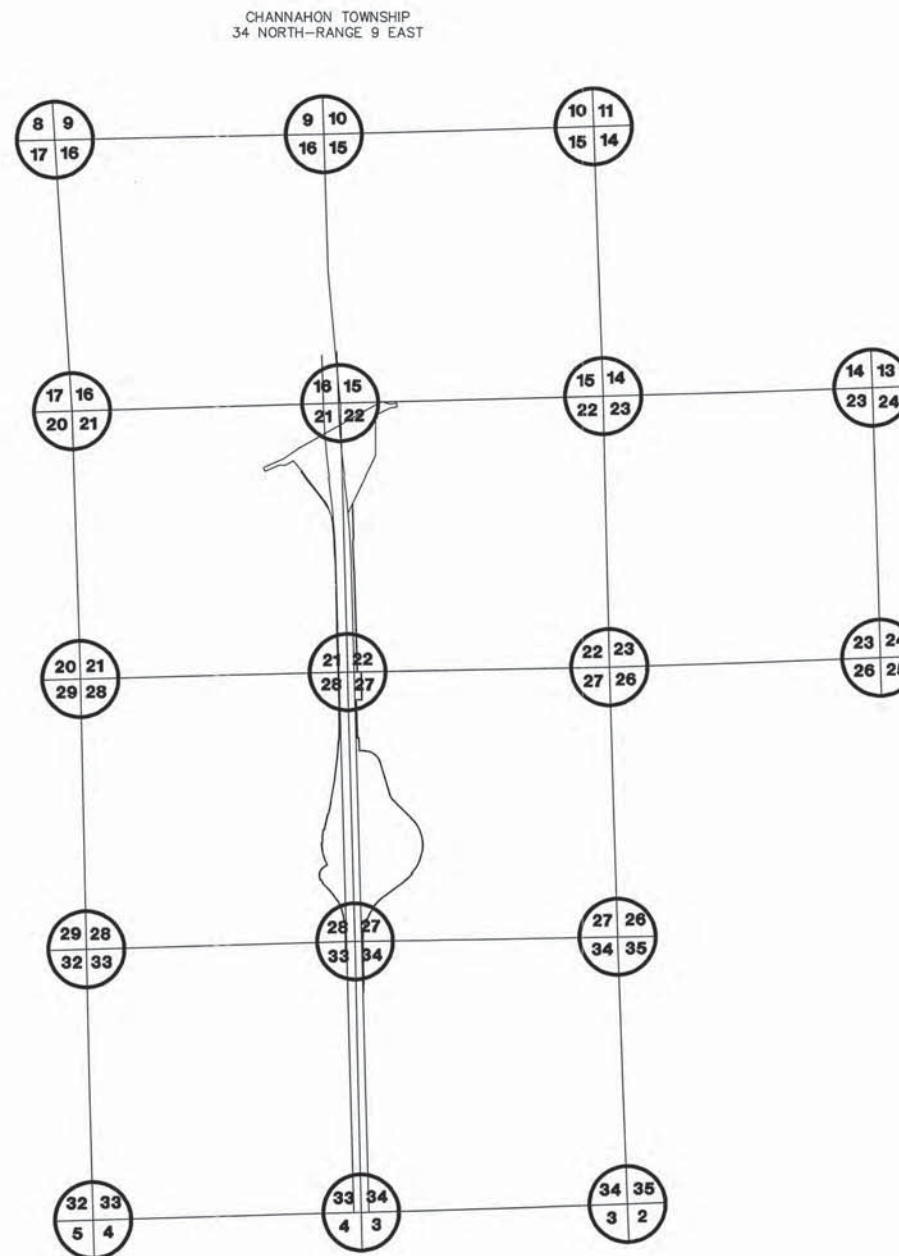


FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUE INVESTIGATION OF UNDERGROUND UTILITIES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	PLOT SCALE = 1"=50'	DRAWN -	REVISED -			55	99-2HB-2-R	WILL	102	47	
	PLOT DATE = 1/16/2009	CHECKED -	REVISED -			CONTRACT NO. 60C31					
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLAT OF HIGHWAYS FOR PROPOSED FEDERAL AID ROUTE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	ARSENAL RD	WILL	17	1
STA. 5000+00		TO STA. 978+26		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

ROUTE: F.A.I. ROUTE 55 AT ARSENAL ROAD
 PROJECT NO.:
 JOB NO.: R-91-014-02
 COUNTY: WILL



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALE. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123

PROJECT LENGTH : 11,500 LIN. FT. = 2.18 MI.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED: _____ 2008

 DISTRICT ENGINEER

SUBMITTED: _____ 2008

 DISTRICT RIGHT OF WAY PLANS ENGINEER

SUBMITTED: _____ 2008

 DISTRICT LAND ACQUISITION ENGINEER

SUBMITTED: _____ 2008

 CENTRAL BUREAU RIGHT OF WAY PLANS ENGINEER

RECEIVED
 APR 27 2009
 PLATS & LEGALS
 ENGINEER OF LAND ACQUISITION

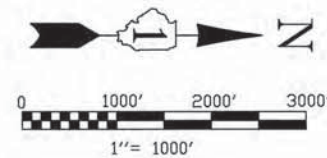
PART OF SECS. 22, 23, 27, & 34, T34N, R9E OF THE 3RD P.M., WILL COUNTY, ILLINOIS

PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
1GQ0001	MOBIL OIL CORPORATION	501.711	81.014	17.890	420.697	N/A	10-27-100-006	N/A	
1GQ0001E-A						0.085		TEMPORARY	
1GQ0003-A	MOBIL JOLIET REFINING CORPORATION	734.184	13.484	9.237	720.658	N/A	10-22-100-006	N/A	
1GQ0003-B						0.042		N/A	
1GQ0003E-A						N/A		N/A	
1GQ0003E-B						N/A		N/A	
1GQ0003E-C						N/A		N/A	

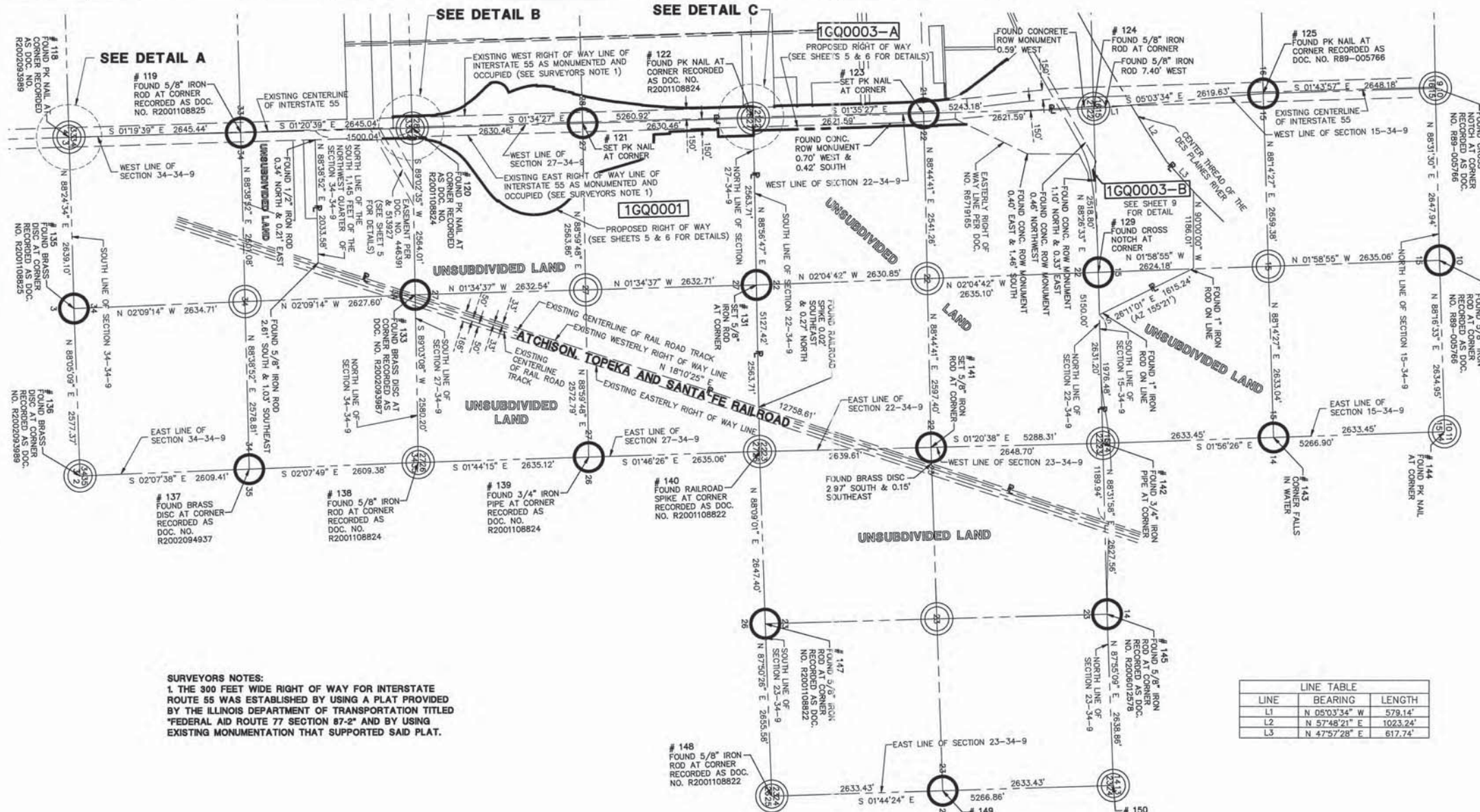
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	ARSENAL RD.	WILL	17	2

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING
- IRON ROD SET
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- T1
- T2
- T3
- BT1
- BT2
- BT3
- M
- PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT



BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. NGS CONTROL POINT PD AE2474 WAS RECOVERED AND USED FOR CONVERSIONS. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".
COMBINED SCALE FACTOR (GROUND TO GRID) = 0.99995548



SURVEYORS NOTES:
1 THE 300 FEET WIDE RIGHT OF WAY FOR INTERSTATE ROUTE 55 WAS ESTABLISHED BY USING A PLAT PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION TITLED "FEDERAL AID ROUTE 77 SECTION 87-2" AND BY USING EXISTING MONUMENTATION THAT SUPPORTED SAID PLAT.

I, WILLIAM W. WRIGHT, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 22, 27, 28 AND 34, TOWNSHIP 34 NORTH RANGE 9, EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, ILLINOIS; 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 LOMBARD, ILLINOIS THIS _____ DAY OF _____, A.D., 2009.

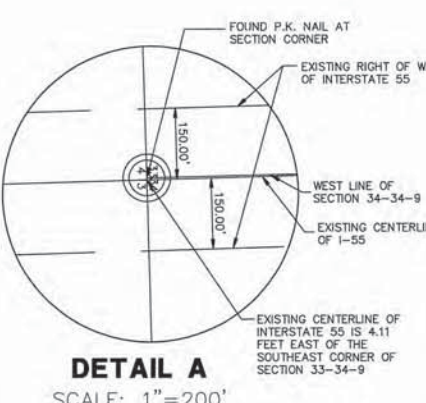
FOR REVIEW ONLY

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502
LICENSE EXPIRES NOVEMBER 30, 2010

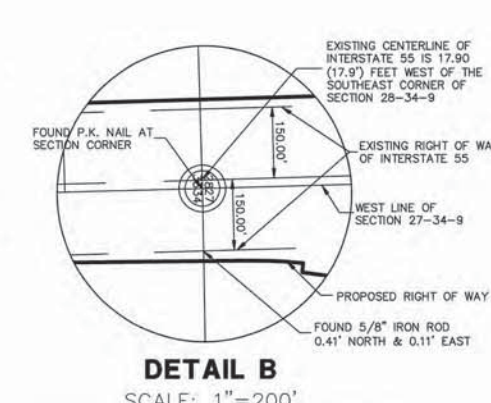
DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2011



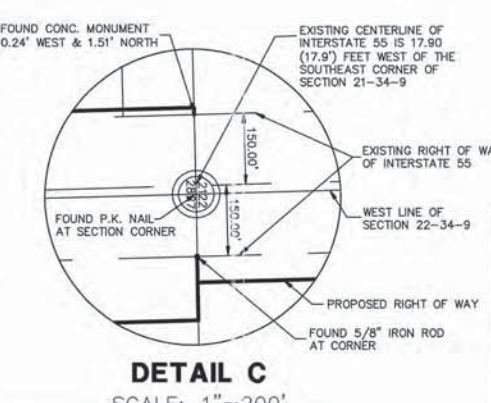
IDOT SB - 070951 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED PLATS & LEGALS



DETAIL A
SCALE: 1"=200'



DETAIL B
SCALE: 1"=200'



DETAIL C
SCALE: 1"=200'

LINE	BEARING	LENGTH
L1	N 05°03'34" W	579.14'
L2	N 57°48'21" E	1023.24'
L3	N 47°57'28" E	617.74'

REVISION DATE	DESCRIPTION	INITIALS
06/08/09	REVISED PER IN-HOUSE REVIEW/ADDED EASEMENT 446391	MAC/WWW
12/12/08	REVISED PER IN-HOUSE REVIEW	WWW
12/08/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
11/21/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
06/23/08	REVISED LOCATION OF THE NORTH 1/4 CORNER OF SECTION 22 (POINT 129)	MAC/WWW
02/15/08	REMOVE NOTE "SET 5/8" IRON ROD" FROM POINTS 149 & 150	MAC/WWW
01/24/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/22/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW

RECORDING: RECORDED ON

Manhard CONSULTING LTD.
3502 Professional Land Surveyor State of Illinois
2002 Main Street, Lombard, IL 60148
Civil Engineers - Surveyors - Water Resources Engineers - Water & Wastewater Engineers - Construction Managers - Environmental Scientists - Landscape Architects - Planners

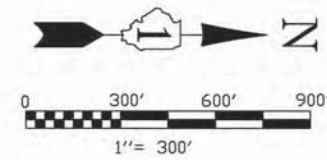
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAI ROUTE 55

SECTION: AT ARSENAL ROAD WILL COUNTY
PROJECT JOB NO. R-91-014-02
MOBIL OIL REFINERY BOUNDARY DETAIL
SCALE: 1" = 1000' SHEET 2 OF 17

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

PART OF SECS. 28, & 33, T34N, R9E OF THE 3RD P.M., WILL COUNTY, ILLINOIS

PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
1GQ0002	THE DOW CHEMICAL COMPANY	143.131	21.237	N/A	121.894	N/A	10-28-200-001	N/A	
1GQ0002TE-A						0.049	10-28-400-001	TEMPORARY	
1GQ0002TE-B						0.049	10-33-200-001	TEMPORARY	
1GQ0001	MOBIL OIL CORPORATION	501.711	81.014	17.890	420.697	N/A	10-27-100-006	N/A	
1GQ0001TE-A						0.085		TEMPORARY	

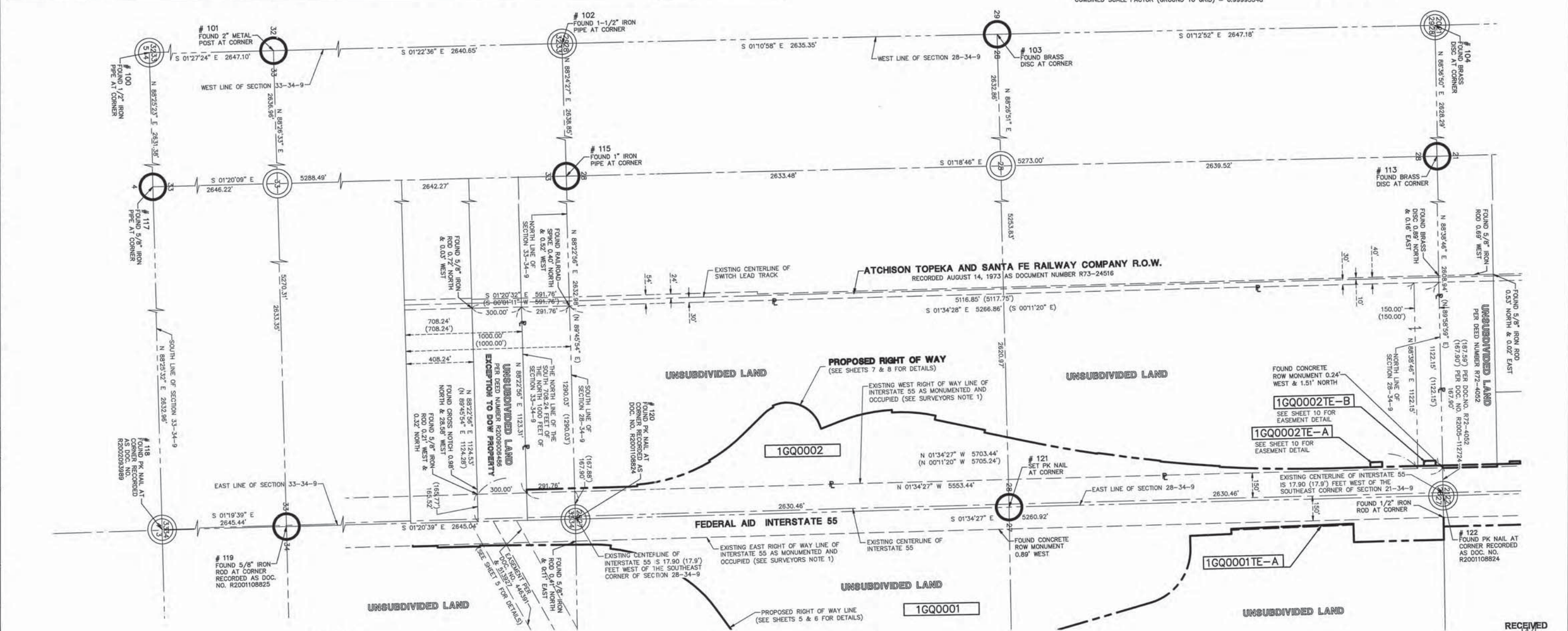


SURVEYORS NOTES:
 1. THE 300 FEET WIDE RIGHT OF WAY FOR INTERSTATE ROUTE 55 WAS ESTABLISHED BY USING A PLAT PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION TITLED "FEDERAL AID ROUTE 77 SECTION 87-2" AND BY USING EXISTING MONUMENTATION THAT SUPPORTED SAID PLAT.

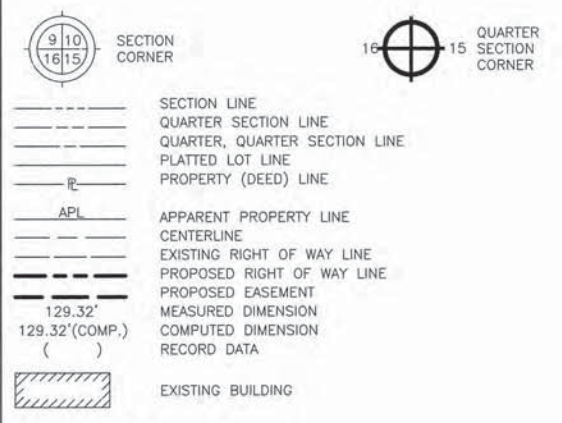
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	ARSENAL RD.	WILL	17	3

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

BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. NOS CONTROL POINT PID A22474 WAS RECOVERED AND USED FOR CONVERSIONS. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".
 COMBINED SCALE FACTOR (GROUND TO GRID) = 0.99995548



LEGEND



- IRON ROD SET
- IRON PIPE OR ROD FOUND
- ⊕ CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
- T2 IRON ROD FLUSHED WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T3 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.
- 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 OR 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 COLOR 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.
- ◇ LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT

STATE OF ILLINOIS)
)SS
 COUNTY OF DuPAGE)

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DATED AT LOMBARD, ILLINOIS THIS _____ DAY OF _____, A.D., 2009.

FOR REVIEW ONLY

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502
 LICENSE EXPIRES NOVEMBER 30, 2010

DESIGN FIRM LICENSE NO. 184003350
 LICENSE EXPIRES APRIL 30, 2011

REVISION DATE	DESCRIPTION	INITIALS
06/08/09	REVISED PER I.D.O.T. REVIEW	MAC/WWW
04/24/09	REVISED PER I.D.O.T. REVIEW	WWW
11/21/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/24/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/22/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW



RECEIVED
 JUN 16 2009
 PLATS & LEGALS

IDOT SB - 070951 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED

Manhard CONSULTING LTD.
 2007 Hwy 150, Suite 100, Lombard, IL 60148
 630.261.0000 Fax: 630.261.0008 www.manhard.com
 Civil Engineers - Surveyors - Water Resources Engineers - Water & Wastewater Engineers
 Construction Managers - Environmental Scientists - Landscape Architects - Planners

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 55

SECTION: AT ARSENAL ROAD WILL COUNTY
 PROJECT JOB NO. R-91-014-02
 DOW CHEMICAL COMPANY BOUNDARY DETAIL
 SCALE: 1" = 300' SHEET 3 OF 17

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

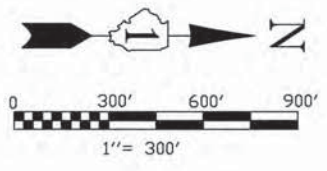
RECORDING: RECORDED ON

AS DOCUMENT NO.

Jun 12, 2009 - 07:09 Dwg Name: P:\DOTS\Drawings\Plat of Highways\03-10078-SB-Dow.dwg Updated By: bwright
 CHECKED INKED
 NOTEBOOK NO.

PART OF SEC. 21, T34N, R9E OF THE 3RD P.M., WILL COUNTY, ILLINOIS

PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
1GQ0004	HOFFMAN RAIL DISTRIBUTION CENTER, L.L.C.	24.491	0.080	N/A	24.411	N/A	10-21-400-005		
1GQ0005-A	INEOS NOVA, LLC A DELAWARE LIMITED LIABILITY COMPANY	118.746	0.290	N/A	118.163	N/A	10-21-200-003 10-21-200-005	TEMPORARY	
1GQ0005-B			0.293						
1GQ0005TE-A			N/A						
1GQ0006PE	COMMONWEALTH EDISON CO.	8.500	N/A	N/A	8.500	0.114	10-21-300-004	PERMANENT	
1GQ0007	HOFFMAN PROPERTY HOLDING, L.L.C.	6.026	0.172	N/A	5.854	N/A	10-21-400-004		
1GQ0008	HOFFMAN PROPERTY HOLDING, L.L.C.	3.616	0.121	N/A	3.495	N/A	10-21-400-006	TEMPORARY	
1GQ0008TE-A			N/A						



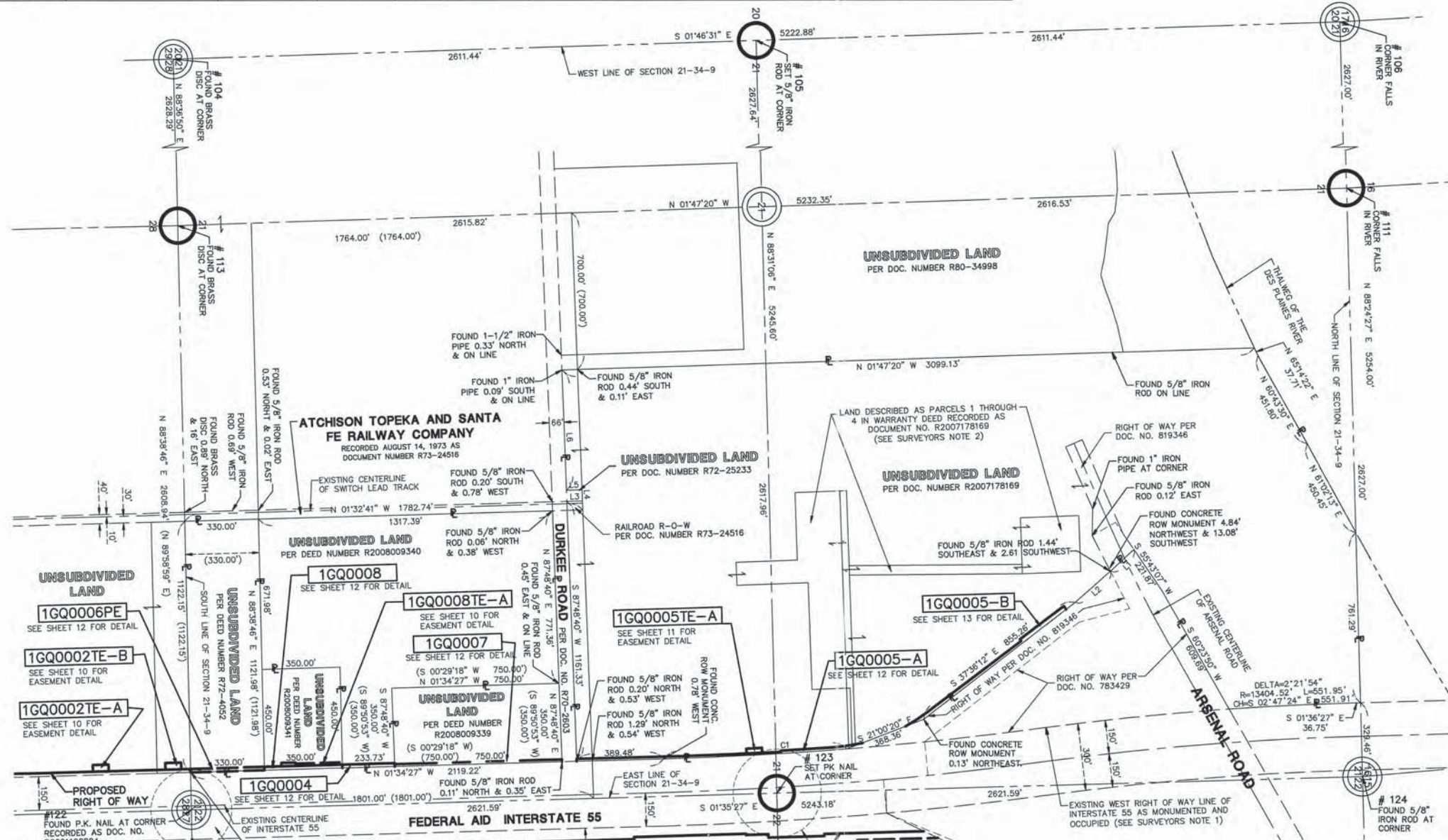
BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. NGS CONTROL POINT PID AE2474 WAS RECOVERED AND USED FOR CONVERSIONS. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".
COMBINED SCALE FACTOR (GROUND TO GRID) = 0.99999548

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	ARSENAL RD.	WILL	17	4

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

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- IRON ROD SET
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
- T2 IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 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.
- BT2 STAKING OR 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 COLOR PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT3 PERMANENT SURVEY MARKER, I D O T STD. 21.35 (TO BE SET BY OTHERS)
- M RIGHT OF WAY STAKING PROPOSED TO BE SET.
- LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT



STATE OF ILLINOIS)
COUNTY OF DuPAGE)

I, WILLIAM W. WRIGHT, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 22, 27, 28 AND 34, TOWNSHIP 34 NORTH RANGE 9, EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, ILLINOIS; 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 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 LOMBARD, ILLINOIS THIS _____ DAY OF _____ A.D., 2009.

FOR REVIEW ONLY

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502
LICENSE EXPIRES NOVEMBER 30, 2010
DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2011



IDOTB SB - 070951 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED

SURVEYORS NOTES:
1. THE 300 FEET WIDE RIGHT OF WAY FOR INTERSTATE 55 WAS ESTABLISHED BY USING A PLAT PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION TITLED "FEDERAL AID ROUTE 77 SECTION 87-2" AND BY USING EXISTING MONUMENTATION THAT SUPPORTED SAID PLAT.
2. DIMENSIONS FOR PARCELS 1 THROUGH 4 HAVE NOT BEEN SHOWN HEREON AS THEY ARE WITHIN THE OVERALL BOUNDARY OF THE INEOS NOVA LLC BOUNDARY AND DO NOT AFFECT THE TOTAL HOLDINGS.

CURVE TABLE				
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD DELTA ANGLE
C1	16066.85'	820.53'	N 03°02'14" W	820.44' 2°55'34"

LINE TABLE		
LINE	BEARING	LENGTH
L1	S 42°55'25" E	143.13'
L2	S 41°28'08" E	210.66'
L3	N 01°32'41" W	69.36'
L4	S 87°50'05" W	50.00'
L5	S 01°32'41" E	69.39'
L6	S 87°48'40" W	536.18'

REVISION DATE	DESCRIPTION	INITIALS
06/08/09	REVISED PER I.D.O.T. REVIEW	MAC/WWW
05/20/09	REVISED PER I.D.O.T. REVIEW	WWW
04/24/09	REVISED PER I.D.O.T. REVIEW	WWW
04/09/09	REVISED PER I.D.O.T. REVIEW	WWW
11/21/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/24/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/22/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
	REVISION DATE	DESCRIPTION

RECORDING: RECORDED ON

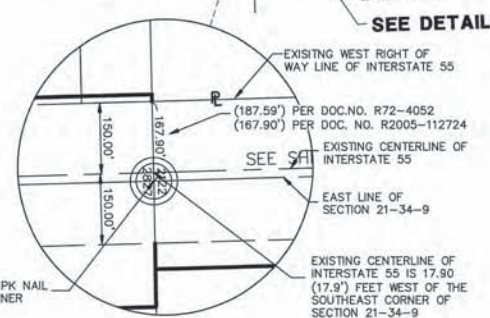
Manhard CONSULTING LTD.
3502 North Paulina St. Lombard, IL 60148
Civil Engineers - Surveyors - Water Resources Engineers - Water & Wastewater Engineers - Construction Managers - Environmental Scientists - Landscape Architects - Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 55
SECTION: AT ARSENAL ROAD WILL COUNTY
PROJECT JOB NO. R-91-014-02
INEOS NOVA LLC, COMED & HOFFMAN BOUNDARY DETAIL
SCALE: 1" = 300' SHEET 4 OF 17

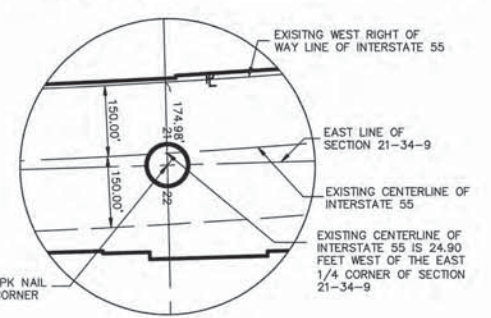
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196
AS DOCUMENT NO.

Jun 12, 2009 - 07:28 Dwg Name: P:\DOTB\Surf\Drawings\Plat of Highways\04-10078-SB-Hoffman INEOS ComEd.dwg Updated By: bwright

CHECKED	INKED	NOTEBOOK NO.



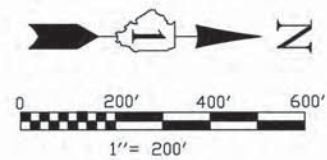
DETAIL A
SCALE: 1"=200'



DETAIL B
SCALE: 1"=200'

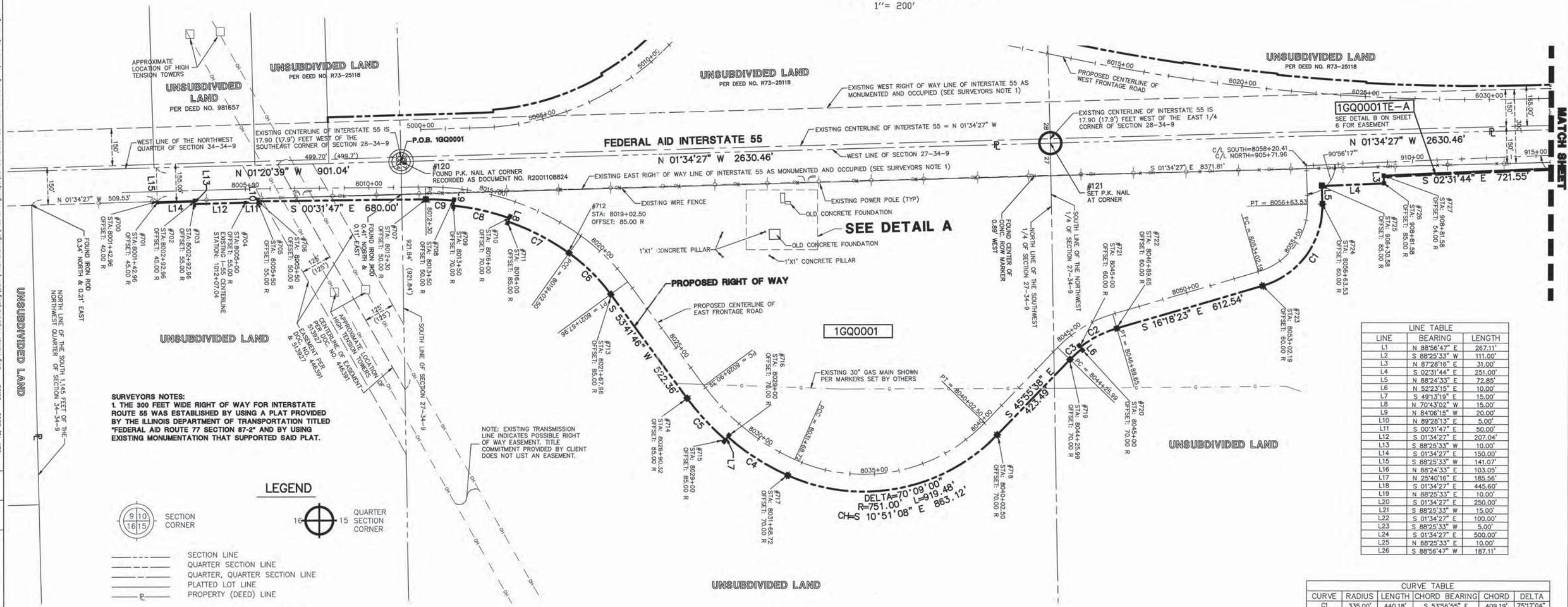
PART OF SECS. 15, 22, 23, 27 & 34, T34N, R9E OF THE 3RD P.M., WILL COUNTY, ILLINOIS

PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
1GQ0001	MOBIL OIL CORPORATION	501.711	81.014	17.890	420.697	N/A	10-27-100-006	N/A	
1GQ0001E-A						0.085		TEMPORARY	



BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. NGS CONTROL POINT PID AE2474 WAS RECOVERED AND USED FOR CONVERSIONS. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".
COMBINED SCALE FACTOR (GROUND TO GRID) = 0.99995548

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	ARSENAL RD.	WILL	17	5
STA. 800+42.96		STA. 8058+37.60		
STA. 905+72.10		STA. 915+00.00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



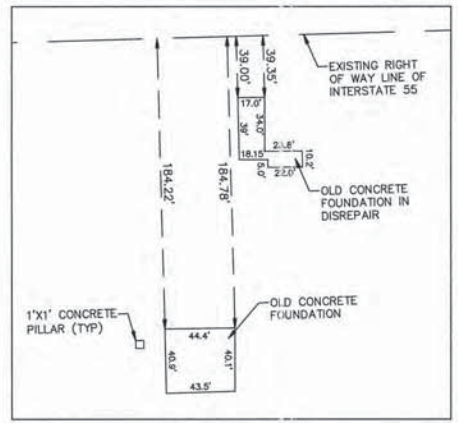
SURVEYORS NOTES:
1. THE 300 FEET WIDE RIGHT OF WAY FOR INTERSTATE ROUTE 55 WAS ESTABLISHED BY USING A PLAT PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION TITLED "FEDERAL AID ROUTE 77 SECTION 87-2" AND BY USING EXISTING MONUMENTATION THAT SUPPORTED SAID PLAT.

NOTE: EXISTING TRANSMISSION LINE INDICATES POSSIBLE RIGHT OF WAY EASEMENT. TITLE COMMITMENT PROVIDED BY CLIENT DOES NOT LIST AN EASEMENT.



LINE	BEARING	LENGTH
L1	N 88°56'47" E	267.11'
L2	S 88°25'33" W	111.00'
L3	N 87°21'46" E	31.00'
L4	S 02°31'44" E	251.00'
L5	N 88°24'33" E	72.85'
L6	N 52°23'15" E	10.00'
L7	S 49°13'19" E	15.00'
L8	N 70°43'02" W	15.00'
L9	N 84°06'15" W	20.00'
L10	N 89°28'13" E	5.00'
L11	S 00°31'47" E	50.00'
L12	S 01°34'27" E	207.04'
L13	S 88°25'33" W	10.00'
L14	S 01°34'27" E	150.00'
L15	S 88°25'33" W	141.07'
L16	N 88°24'33" E	103.05'
L17	N 25°40'18" E	185.56'
L18	S 01°34'27" E	445.60'
L19	N 88°25'33" E	10.00'
L20	S 01°34'27" E	250.00'
L21	S 88°25'33" W	15.00'
L22	S 01°34'27" E	100.00'
L23	S 88°25'33" W	5.00'
L24	S 01°34'27" E	500.00'
L25	N 88°25'33" E	10.00'
L26	S 88°56'47" W	187.11'

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA
C1	335.00'	440.18'	S 53°56'55" E	409.19'	75°17'04"
C2	450.00'	167.34'	S 26°57'34" E	166.38'	21°18'22"
C3	440.00'	63.85'	S 41°46'11" E	63.80'	8°18'53"
C4	1000.00'	288.95'	S 32°30'02" W	287.94'	16°33'19"
C5	1015.00'	228.84'	S 47°14'14" W	228.36'	12°55'05"
C6	750.00'	238.44'	S 44°35'19" W	237.43'	18°12'55"
C7	985.00'	278.47'	S 27°22'55" W	277.54'	16°11'53"
C8	1000.00'	233.64'	S 12°35'22" W	233.11'	13°23'13"
C9	1020.00'	114.39'	S 02°40'59" W	114.33'	6°25'33"



DETAIL A
SCALE: 1" = 60'

STATE OF ILLINOIS)
)SS
COUNTY OF DuPAGE)

I, WILLIAM W. WRIGHT, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 22, 27, 28 AND 34, TOWNSHIP 34 NORTH RANGE 9, EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, ILLINOIS; 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 LOMBARD, ILLINOIS THIS _____ DAY OF _____, A.D., 2009.

FOR REVIEW ONLY

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502
LICENSE EXPIRES NOVEMBER 30, 2010

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2011



REVISION DATE	DESCRIPTION	INITIALS
06/08/09	REVISED PER IN-HOUSE REVIEW/ADDED EASEMENT 446391	MAC/WWW
05/11/09	REVISED PER IN-HOUSE REVIEW	WWW
12/12/08	REVISED PARCEL 1GQ0001 & 1GQ0001E-A	WWW
12/08/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
11/21/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/24/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/22/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
REVISION DATE	DESCRIPTION	INITIALS

RECORDING: RECORDED ON

RECEIVED
JUN 14 2009
PLATS & LEGALS
IDOTB SB - 070951 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED

Manhard CONSULTING LTD.
3502 Newland, Suite 100, Lombard, IL 60148
Civil Engineers - Surveyors - Water Resource Engineers - Water & Wastewater Engineers
Construction Managers - Environmental Scientists - Landscape Architects - Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 55

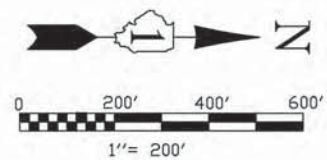
SECTION: AT ARSENAL ROAD WILL COUNTY
PROJECT JOB NO. R-91-014-02
STATION 8005+00.00 TO STATION 8058+37.60
STATION 905+72.10 TO STATION 915+00.00
SCALE: 1" = 200' SHEET 5 OF 17

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

Jun 12, 2009 - 08:02 Dwg Name: P:\DOTB\SurV\Final Drawings\Plot of Highway\05-06 IDOTB-SB-Mobil Detail.dwg Updated By: barrigt
 1"=200'
 CHECKED
 DRAWN
 NOTEBOOK NO.

PART OF SECS. 15, 22, 23, 27, & 34, T34N, R9E OF THE 3RD P.M., WILL COUNTY, ILLINOIS

PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
1GQ0001	MOBIL OIL CORPORATION MOBIL JOLIET REFINING CORPORATION	501.711	81.014	17.890	420.697	N/A	10-27-100-006	N/A	
1GQ0001E-A						0.085		TEMPORARY	
1GQ0003-A		734.184	13.484	9.237	720.658	N/A	10-22-100-006	N/A	
1GQ0003E-A		N/A	N/A	N/A	N/A	0.033		TEMPORARY	
1GQ0003E-B		N/A	N/A	N/A	N/A	0.054		TEMPORARY	
1GQ0003E-C	N/A	N/A	N/A	N/A	0.444	TEMPORARY			



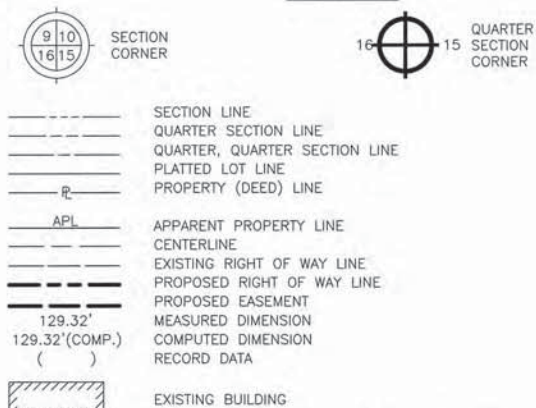
BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. NGS CONTROL POINT PID AE2474 WAS RECOVERED AND USED FOR CONVERSIONS. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".
COMBINED SCALE FACTOR (GROUND TO GRID) = 0.99995548

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	ARSENAL RD.	WILL	17	6
STA. 915+00		TO STA. 954+45.60		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

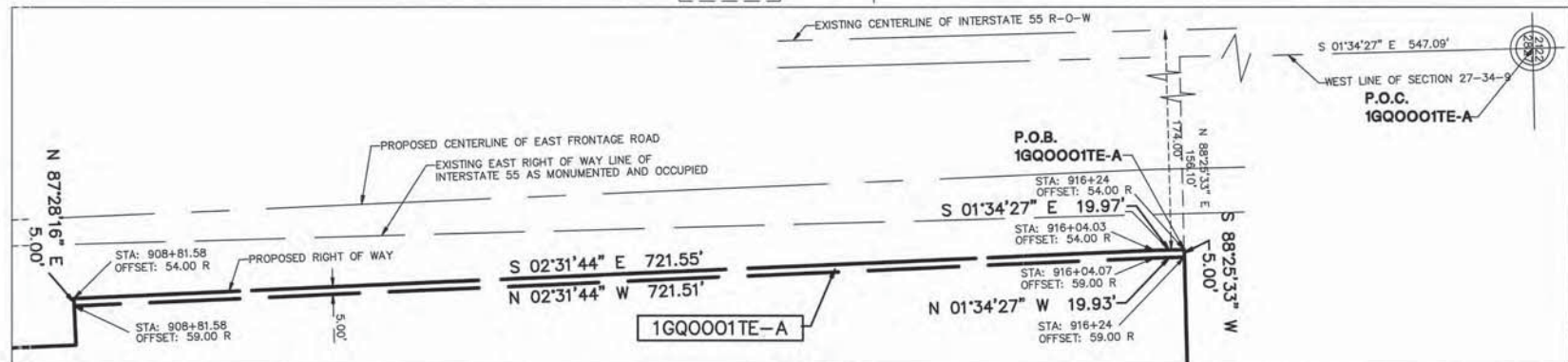
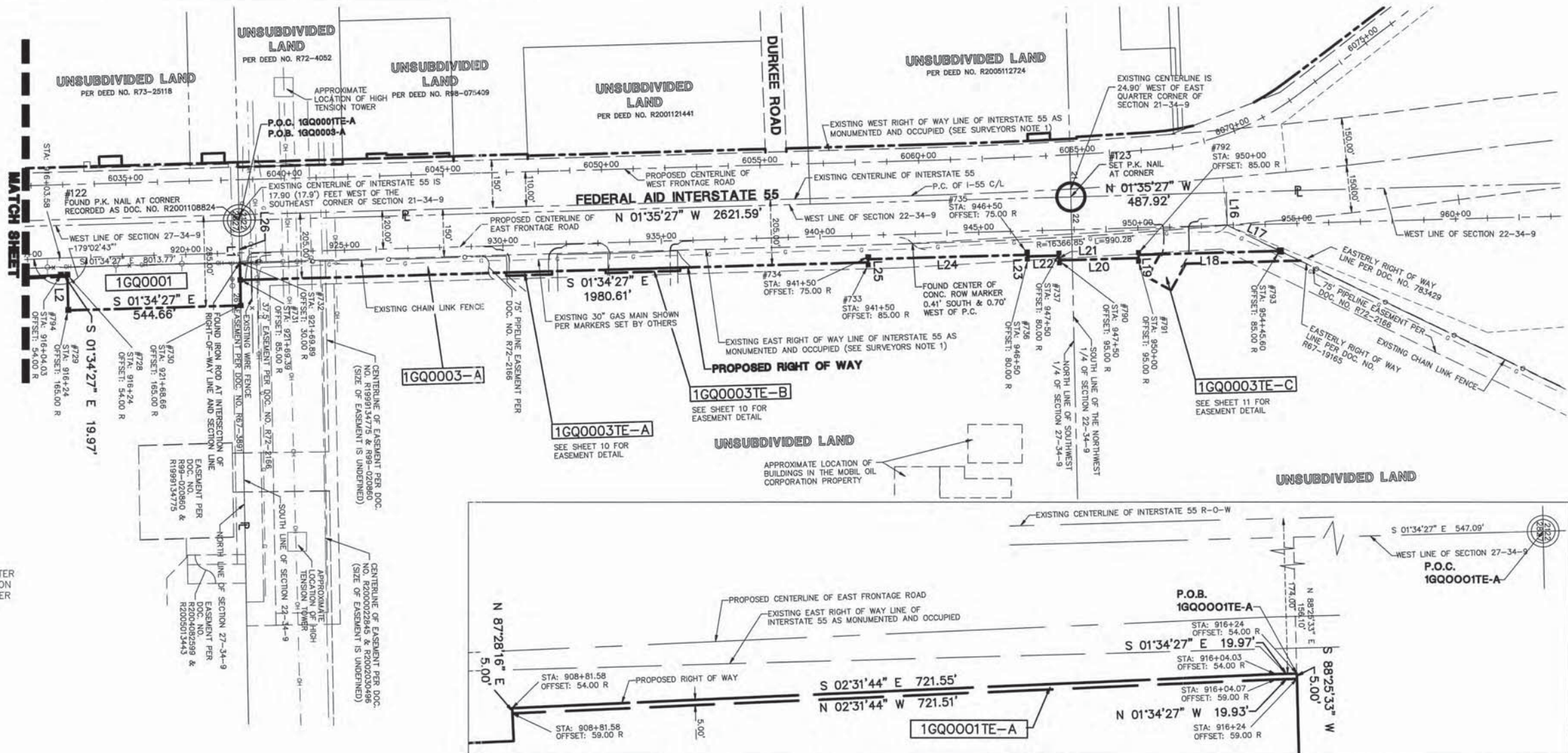
LINE	BEARING	LENGTH
L1	N 88°56'47" E	287.11'
L2	S 88°25'33" W	111.00'
L3	N 87°28'18" E	31.00'
L4	S 02°31'44" E	251.00'
L5	N 88°24'33" E	72.85'
L6	N 52°23'15" E	10.00'
L7	S 49°13'19" E	15.00'
L8	N 70°43'02" W	15.00'
L9	N 84°06'15" W	20.00'
L10	N 89°28'13" E	5.00'
L11	S 00°31'47" E	50.00'
L12	S 01°34'27" E	207.04'
L13	S 88°25'33" W	10.00'
L14	S 01°34'27" E	150.00'
L15	S 88°25'33" W	141.07'
L16	N 88°24'33" E	103.05'
L17	N 25°40'18" E	185.56'
L18	S 01°34'27" E	445.60'
L19	N 88°25'33" E	10.00'
L20	S 01°34'27" E	250.00'
L21	S 88°25'33" W	15.00'
L22	S 01°34'27" E	100.00'
L23	S 88°25'33" W	5.00'
L24	S 01°34'27" E	500.00'
L25	N 88°25'33" E	10.00'
L26	S 88°56'47" W	187.11'

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA
C1	335.00'	440.18'	S 53°56'55" E	409.19'	75°17'04"
C2	450.00'	167.34'	S 26°57'34" E	166.38'	21°18'22"
C3	440.00'	63.85'	S 41°46'11" E	63.80'	8°18'53"
C4	1000.00'	288.95'	S 32°30'02" W	287.94'	16°33'19"
C5	1015.00'	228.84'	S 47°14'14" W	228.36'	12°55'05"
C6	750.00'	238.44'	S 44°35'19" W	237.43'	18°12'55"
C7	985.00'	278.47'	S 27°22'55" W	277.54'	16°11'53"
C8	1000.00'	233.64'	S 12°35'22" W	233.11'	13°23'13"
C9	1020.00'	114.39'	S 02°40'59" W	114.33'	6°25'33"

LEGEND



- IRON ROD SET
- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
- T2 IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T3 IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- 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 OR 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 COLOR 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.
- ◇ LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT



STATE OF ILLINOIS)
COUNTY OF DuPage)
SCALE: 1"=60'

I, WILLIAM W. WRIGHT, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 22, 27, 28 AND 34, TOWNSHIP 34 NORTH RANGE 9, EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, ILLINOIS; 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 LOMBARD, ILLINOIS THIS _____ DAY OF _____, A.D., 2009.
FOR REVIEW ONLY
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502
LICENSE EXPIRES NOVEMBER 30, 2010
DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2011



REVISION DATE	DESCRIPTION	INITIALS
06/08/09	REVISED PER IN-HOUSE REVIEW	WWW
12/12/08	REVISED PER IN-HOUSE REVIEW	WWW
12/08/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
11/21/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/24/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/22/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW

RECEIVED JUN 16 2009
PLATS & LEGALS
IDOT SB - 070951 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED

Manhard CONSULTING LTD.
3502 Hwy 140, Suite 200, Lombard, IL 60148 Tel: 630.261.4000 Fax: 630.261.4001
Civil Engineers - Surveyors - Water Resources Engineers - Water & Wastewater Engineers
Construction Managers - Environmental Scientists - Landscape Architects - Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 55

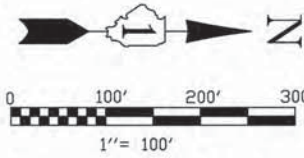
SECTION: AT ARSENAL ROAD WILL COUNTY
PROJECT JOB NO. R-91-014-02
STATION 915+00.00 TO STATION 954+49.48
SCALE: 1" = 200' SHEET 6 OF 17

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

Jun 12, 2009 - 07:46
 Dwg Name: P:\DOTS\veg\Surv\Final Drawings\Plot of Highways\05-08 IDOTB-SB-Mobil Detail.dwg
 Updated By: twright
 PLOTTED
 INPLOT
 NOTEBOOK NO.

PART OF SEC. 28 & 33, T34N, R9E OF THE 3RD P.M., WILL COUNTY, ILLINOIS

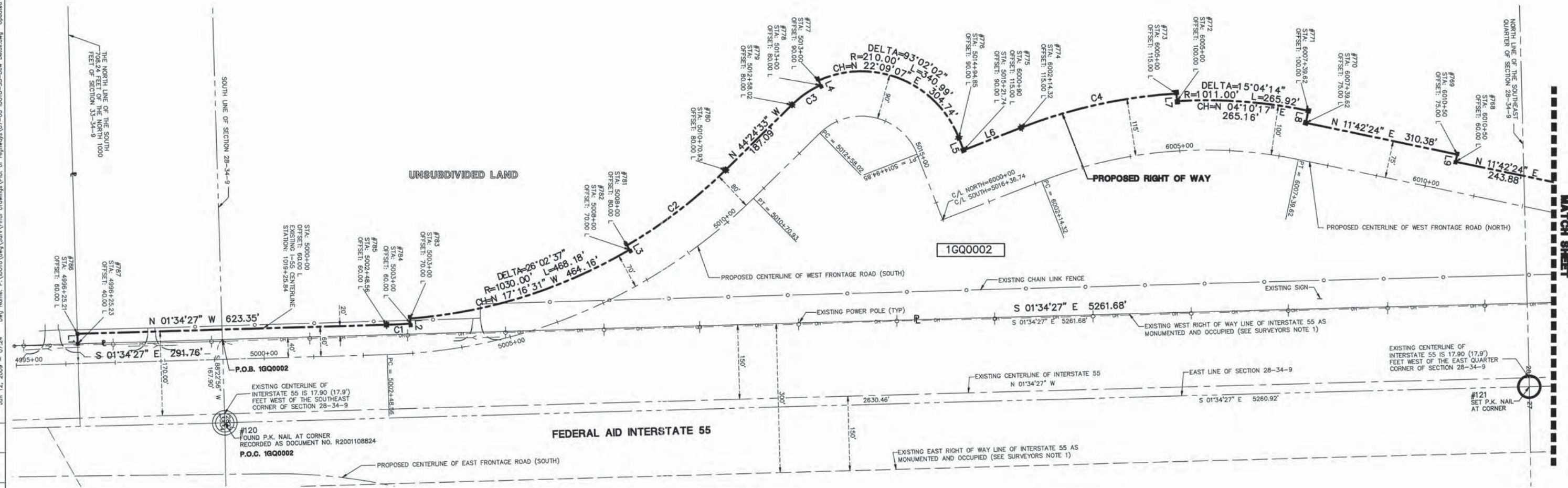
PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
1GQ0002	THE DOW CHEMICAL COMPANY	143.131	21.237	N/A	121.894	N/A	10-28-200-001	N/A	
1GQ0002E-A						0.049	10-28-400-001	TEMPORARY	
1GQ0002E-B						0.049	10-33-200-001	TEMPORARY	



BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. NGS CONTROL POINT PID AE2474 WAS RECOVERED AND USED FOR CONVERSIONS. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".
COMBINED SCALE FACTOR (GROUND TO GRID) = 0.99995548

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	ARSENAL RD.	WILL	17	7
STA. 4996+25.23 TO STA. 6000+00		TO STA. 5016+36.74 TO STA. 6012+93.88		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

Jun 12, 2009 - 07:24 Dwg Name: P:\DOTS\veg\Surv\Final Drawings\Plot of Highways\07-08 ID078-SB-Dow Detail.dwg Updated By: bwright



SURVEYORS NOTES:
1. THE 300 FEET WIDE RIGHT OF WAY FOR INTERSTATE ROUTE 55 WAS ESTABLISHED BY USING A PLAT PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION TITLED "FEDERAL AID ROUTE 77 SECTION 87-2" AND BY USING EXISTING MONUMENTATION THAT SUPPORTED SAID PLAT.

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- IRON ROD SET
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- T1, T2, T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. IRON ROD FLUSHED WITH GROUND TO FORM IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1, BT2, BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- M 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 OR PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLOR 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.
- LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT
- PK NAIL SET REPLACED AFTER CONSTRUCTION

CURVE TABLE				
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD DELTA ANGLE
C1	1040.00'	48.63'	N 02°54'50" W	48.63' 02°40'46"
C2	1020.00'	251.23'	N 37°21'11" W	250.59' 14°06'43"
C3	200.00'	69.97'	N 34°23'13" W	69.61' 20°02'38"
C4	1026.00'	321.74'	N 12°20'51" W	320.43' 17°58'02"

LINE TABLE		
LINE	BEARING	LENGTH
L1	S 88°22'56" W	20.00'
L2	S 85°44'47" W	10.00'
L3	S 59°42'10" W	10.00'
L4	S 65°38'06" W	10.00'
L5	N 68°40'08" E	26.89'
L6	N 21°19'52" W	124.32'
L7	N 86°38'11" E	15.00'
L8	S 78°17'36" E	25.00'
L9	S 78°17'36" E	15.00'
L10	N 81°33'36" W	5.00'
L11	S 84°19'54" E	5.00'
L12	S 86°55'53" E	5.00'
L13	N 88°38'46" E	5.00'

STATE OF ILLINOIS)
COUNTY OF DuPAGE)
I, WILLIAM W. WRIGHT, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 22, 27, 28 AND 34, TOWNSHIP 34 NORTH RANGE 9, EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, ILLINOIS; 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 LOMBARD, ILLINOIS THIS _____ DAY OF _____, A.D., 2009.

FOR REVIEW ONLY

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502
LICENSE EXPIRES NOVEMBER 30, 2010

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2009



REVISION DATE	DESCRIPTION	INITIALS
06/08/09	REVISED PER I.D.O.T. REVIEW	MAC/WWW
04/24/09	REVISED PER I.D.O.T. REVIEW	WWW
12/08/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
11/21/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/24/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/22/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW

ID078 SB - 070951 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED

Manhard CONSULTING LTD.
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAI ROUTE 55

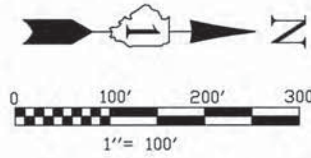
SECTION: AT ARSENAL ROAD WILL COUNTY
PROJECT JOB NO. R-91-014-02
STATION 5000+00.00 TO STATION 6012+93.88
SCALE: 1" = 100' SHEET 7 OF 17

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

RECORDING: RECORDED ON

PART OF SEC. 28 & 33, T34N, R9E OF THE 3RD P.M., WILL COUNTY, ILLINOIS

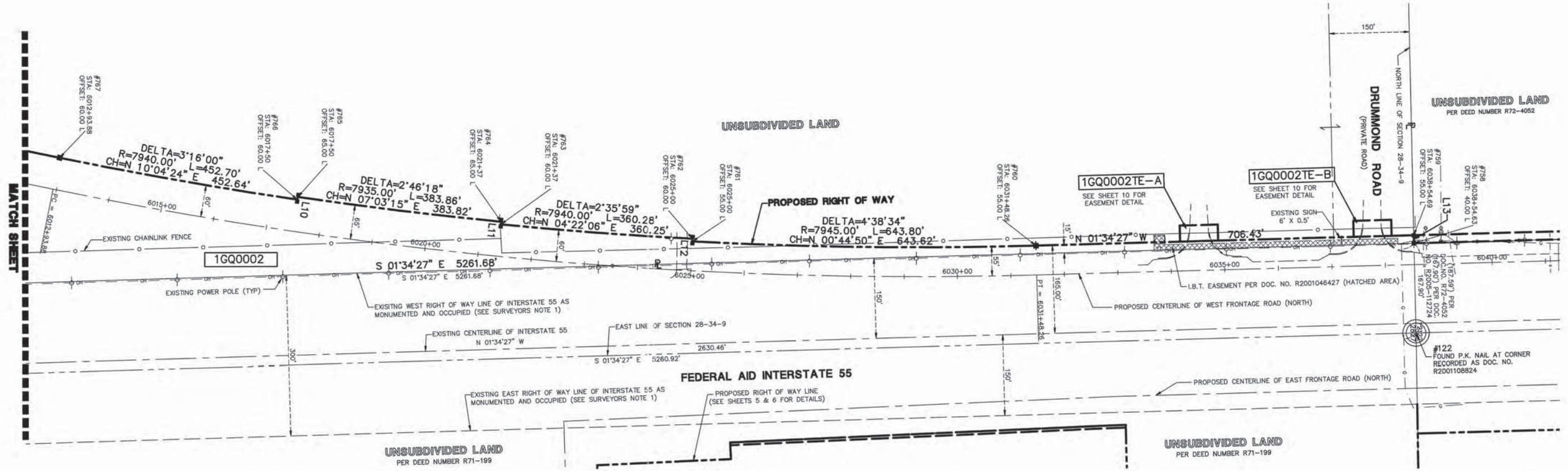
PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
1GQ0002	THE DOW CHEMICAL COMPANY	143.131	21.237	N/A	121.894	N/A	10-28-200-001	N/A	
1GQ0002E-A						0.049	10-28-400-001	TEMPORARY	
1GQ0002E-B						0.049	10-33-200-001	TEMPORARY	



BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. NGS CONTROL POINT PID AE2474 WAS RECOVERED AND USED FOR CONVERSIONS. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".
COMBINED SCALE FACTOR (GROUND TO GRID) = 0.99995548

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	ARSENAL RD.	WILL	17	8
STA. 6012+93.88	TO STA. 6038+54.63			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

Jun 12, 2009 - 07:30 Dep Name: P:\001818\Draw\Final Drawings\Plat of Highway\07-08 ID078-SB-Dow Detail.dwg Updated By: bwright



SURVEYORS NOTES:
1. THE 300 FEET WIDE RIGHT OF WAY FOR INTERSTATE ROUTE 55 WAS ESTABLISHED BY USING A PLAT PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION TITLED "FEDERAL AID ROUTE 77 SECTION 87-2" AND BY USING EXISTING MONUMENTATION THAT SUPPORTED SAID PLAT.

LEGEND

- IRON ROD SET
 - IRON PIPE OR ROD FOUND
 - + CUT CROSS FOUND OR SET
 - T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
 - T2 IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - T3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - BT1
 - 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 OR PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLOR 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.
 - ◇ LIGHT STANDARD
 - P.O.B. = POINT OF BEGINNING
 - P.O.C. = POINT OF COMMENCEMENT
- SECTION CORNER
 QUARTER SECTION CORNER
 SECTION LINE
 QUARTER SECTION LINE
 PLATTED LOT LINE
 PROPERTY (DEED) LINE
 APL APPARENT PROPERTY LINE
 CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 PROPOSED EASEMENT
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORD DATA
 EXISTING BUILDING

CURVE TABLE				
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD DELTA ANGLE
C1	1040.00'	48.63'	N 02°54'50" W	48.63' 02°40'46"
C2	1020.00'	251.23'	N 37°21'11" W	250.59' 14°06'43"
C3	200.00'	69.97'	N 34°23'13" W	69.61' 20°02'38"
C4	1026.00'	321.74'	N 12°20'51" W	320.43' 17°58'02"

LINE TABLE		
LINE	BEARING	LENGTH
L1	S 88°22'56" W	20.00'
L2	S 85°44'47" W	10.00'
L3	S 59°42'10" W	10.00'
L4	S 65°38'06" W	10.00'
L5	N 68°40'08" E	26.89'
L6	N 21°19'52" W	124.32'
L7	N 86°38'11" E	15.00'
L8	S 78°17'36" E	25.00'
L9	S 78°17'36" E	15.00'
L10	N 81°33'36" W	5.00'
L11	S 84°19'54" E	5.00'
L12	S 86°55'53" E	5.00'
L13	N 88°38'46" E	15.00'

STATE OF ILLINOIS)
JSS
COUNTY OF DuPAGE)

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DATED AT LOMBARD, ILLINOIS THIS _____ DAY OF _____, A.D., 2009.

FOR REVIEW ONLY

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502
LICENSE EXPIRES NOVEMBER 30, 2010

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2011



REVISION DATE	DESCRIPTION	INITIALS
06/08/09	REVISED PER I.D.O.T. REVIEW	MAC/WWW
04/24/09	REVISED PER I.D.O.T. REVIEW	WWW
12/08/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
11/21/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/24/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/22/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW

IDOT SB - 070951 SHEET 1 IS A COVER SHEET PLATS & LEGALS

RECEIVED JUN 16 2009

Manhard CONSULTING LTD.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAI ROUTE 55

SECTION: AT ARSENAL ROAD WILL COUNTY
PROJECT JOB NO. R-91-014-02
STATION 6012+93.88 TO STATION 6038+54.63
SCALE: 1" = 100' SHEET 8 OF 17

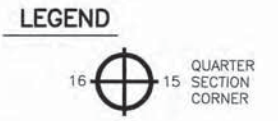
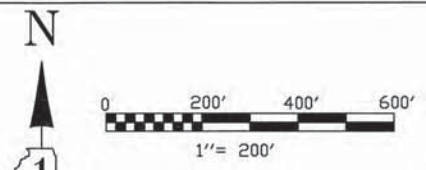
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196
AS DOCUMENT NO.

RECORDING: RECORDED ON

PART OF SEC. 22, T34N, R9E OF THE 3RD P.M., WILL COUNTY, ILLINOIS

PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
1GQ0003-B	MOBIL JOLIET REFINING CORPORATION	734.184	0.042	N/A	720.727	N/A	10-22-100-006	N/A	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	ARSENAL RD.	WILL.	17	9
STA. 977+60		TO STA. 978+1363		
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT



LINE TABLE

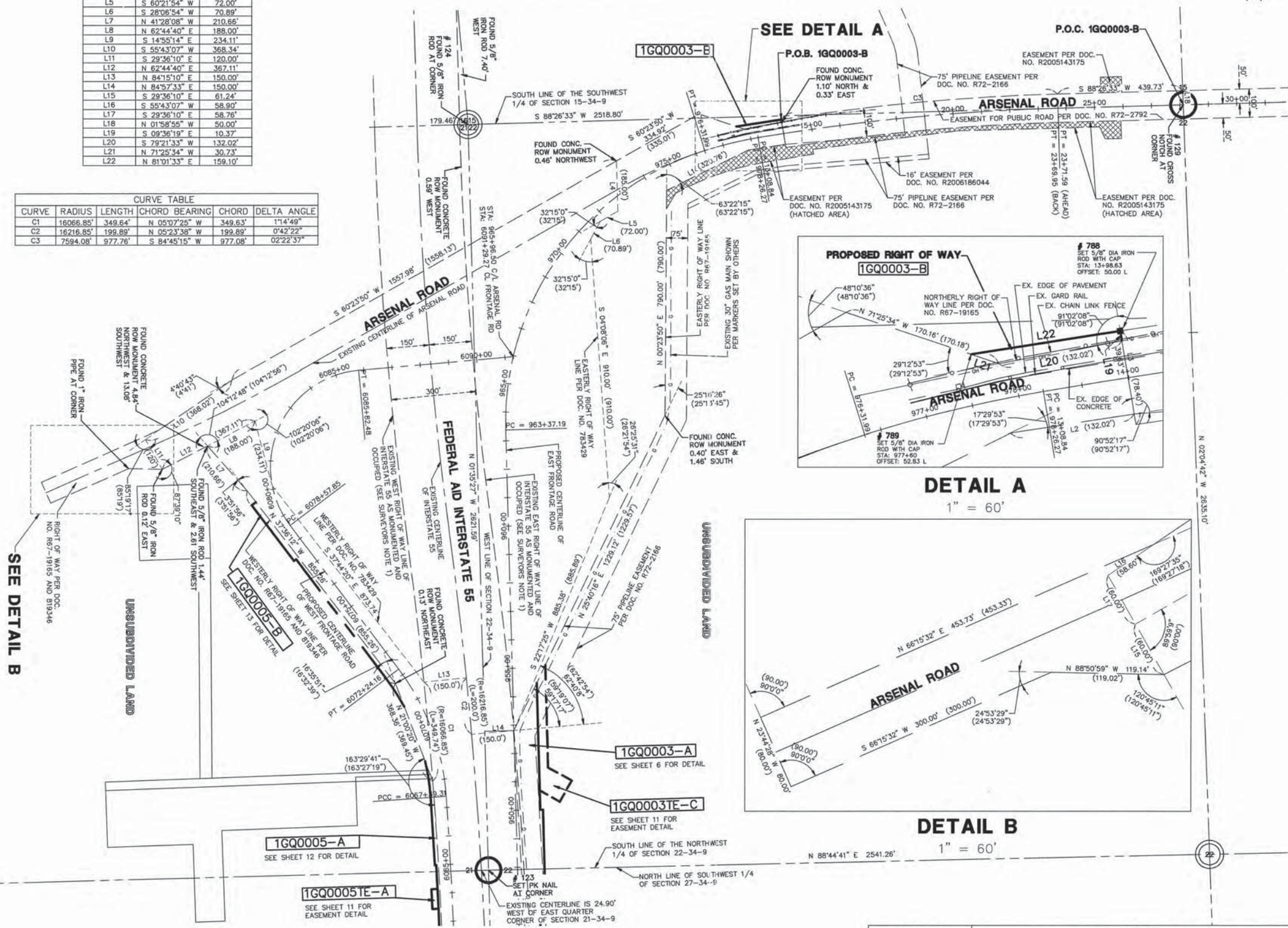
LINE	BEARING	LENGTH
L1	N 63°46'05" E	320.76'
L2	N 81°15'58" E	132.02'
L3	N 09°36'19" W	78.40'
L4	S 01°44'46" E	176.38'
L5	S 60°21'54" W	72.00'
L6	S 28°06'54" W	70.89'
L7	N 41°28'08" W	210.66'
L8	N 62°44'40" E	188.00'
L9	S 14°55'14" E	234.11'
L10	S 55°43'07" W	368.34'
L11	S 29°36'10" E	120.00'
L12	N 62°44'40" E	367.11'
L13	N 84°15'10" E	150.00'
L14	N 84°57'33" E	150.00'
L15	S 29°36'10" E	61.24'
L16	S 55°43'07" W	58.90'
L17	S 29°36'10" E	58.76'
L18	N 01°58'55" W	50.00'
L19	S 09°36'19" E	10.37'
L20	S 79°21'33" W	132.02'
L21	N 71°25'34" W	30.73'
L22	N 81°01'33" E	159.10'

CURVE TABLE

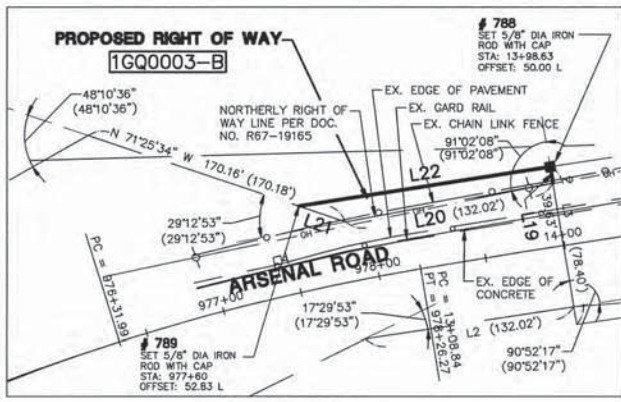
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA ANGLE
C1	16066.85'	349.64'	N 05°07'25" W	349.63'	1°14'49"
C2	16216.85'	199.89'	N 05°23'38" W	199.89'	0°42'22"
C3	7594.08'	977.76'	S 84°45'15" W	977.08'	02°22'37"

SURVEYORS NOTES:
 1. THE 300 FEET WEST RIGHT OF WAY FOR INTERSTATE ROUTE 55 WAS ESTABLISHED BY USING A PLAT PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION TITLED "FEDERAL AID ROUTE 77 SECTION 87-2" AND BY USING EXISTING MONUMENTATION THAT SUPPORTED SAID PLAT.

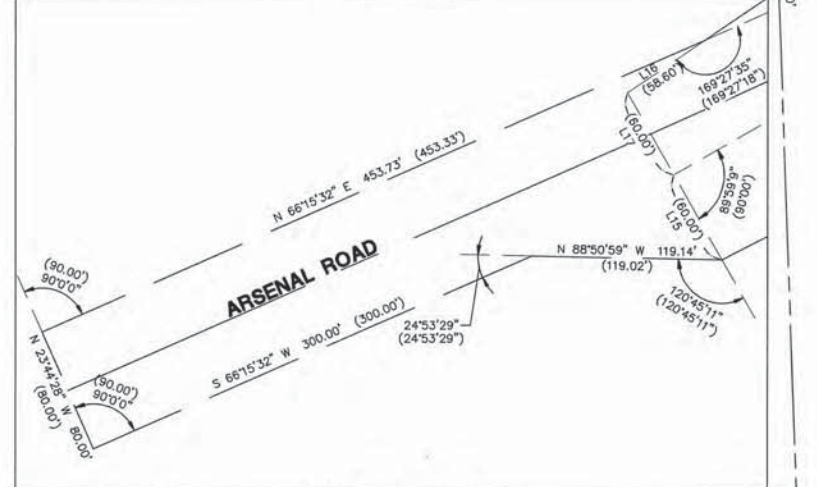
BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. NGS CONTROL POINT PID A22474 WAS RECOVERED AND USED FOR CONVERSIONS. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".
 COMBINED SCALE FACTOR (GROUND TO GRID) = 0.99995548



SEE DETAIL A



DETAIL A
1" = 60'



DETAIL B
1" = 60'

SECTION LINE
 QUARTER SECTION LINE
 PLATTED LOT LINE
 PROPERTY (DEED) LINE
 APPARENT PROPERTY LINE
 CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 PROPOSED EASEMENT
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORD DATA

EXISTING BUILDING

IRON ROD SET
 IRON PIPE OR ROD FOUND
 CUT CROSS FOUND OR SET
 T1
 T2
 T3
 BT1
 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.

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 COLOR 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.

LIGHT STANDARD

P.O.B. = POINT OF BEGINNING
 P.O.C. = POINT OF COMMENCEMENT

STATE OF ILLINOIS)
 COUNTY OF DU PAGE)

I, WILLIAM W. WRIGHT, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 22, 27, 28 AND 34, TOWNSHIP 34 NORTH RANGE 9, EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, ILLINOIS; 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 LOMBARD, ILLINOIS THIS _____ DAY OF _____, A.D., 2008.

FOR REVIEW ONLY

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502
 LICENSE EXPIRES NOVEMBER 30, 2010

DESIGN FIRM LICENSE NO. 184003350
 LICENSE EXPIRES APRIL 30, 2009

WILLIAM W. WRIGHT
 3502
 PROFESSIONAL
 LAND
 SURVEYOR
 STATE OF
 ILLINOIS
 LOMBARD, ILLINOIS

RECEIVED
 APR 9 7 2009
 PLATS & LEGALS

Manhard CONSULTING

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 55

SECTION: AT ARSENAL ROAD WILL COUNTY
 PROJECT JOB NO. R-91-014-02
 ARSENAL ROAD DETAIL, STA. 955+00 TO STA. 978+26.27
 SCALE: 1" = 200' SHEET 9 OF 17

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

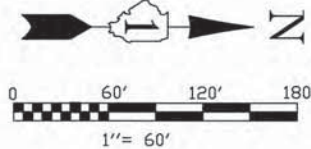
RECORDING: RECORDED ON _____ AS DOCUMENT NO. _____

REVISION DATE	DESCRIPTION	INITIALS
12/08/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
11/21/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
06/23/08	REVISED LOCATION OF THE NORTH 1/4 CORNER OF SECTION 22 (POINT 129)	MAC/WWW
01/24/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/22/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW

Apr 24, 2009 - 17:22 Day Name: P:\DOTS\Wright\Surveys\Final Drawings\Plot of Highway 09-0078-SB-Arsenal Rd.dwg Updated By: Wright
 CHECKED
 INKED
 NO.

PART OF SECS. 21, 22 & 28, T34N, R9E OF THE 3RD P.M., WILL COUNTY, ILLINOIS

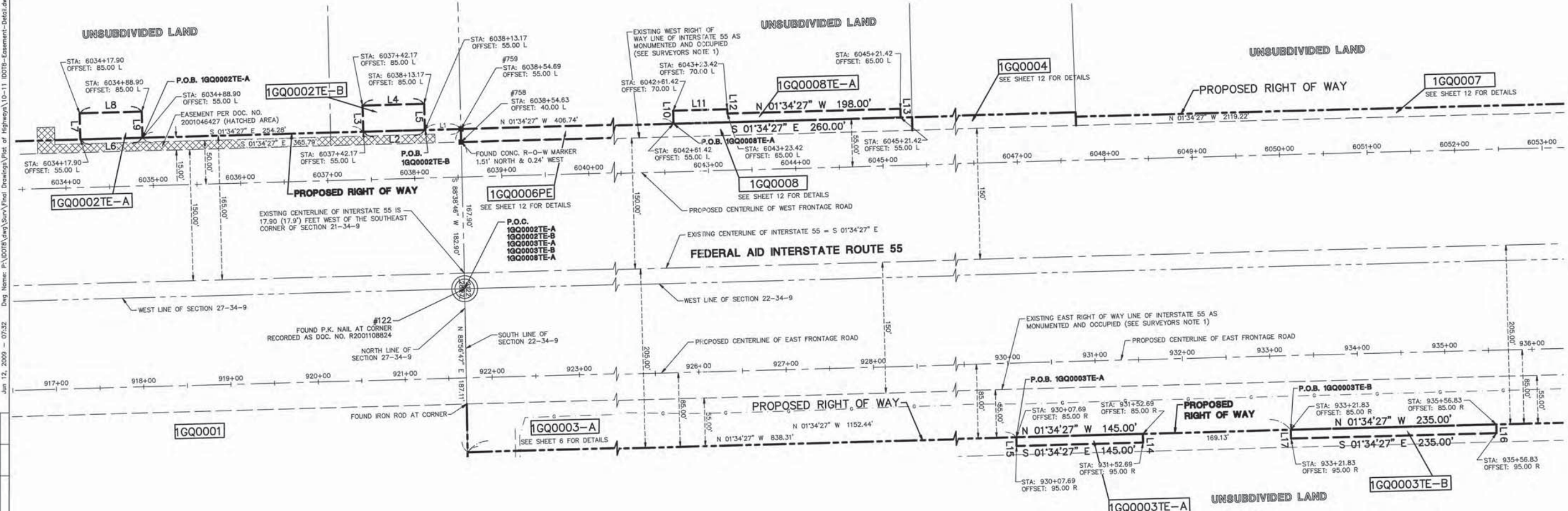
PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
1GQ0002TE-A	THE DOW CHEMICAL COMPANY	143.131	N/A	N/A	N/A	0.049	10-28-200-001	TEMPORARY	
1GQ0002TE-B						0.049		TEMPORARY	
1GQ0003TE-A	MOBIL JOLIET REFINING CORPORATION	734.184	N/A	N/A	N/A	0.033	10-22-100-006	TEMPORARY	
1GQ0003TE-B						0.054		TEMPORARY	
1GQ0008TE-A	HOFFMAN PROPERTY HOLDING, L.L.C.	3.616	N/A	N/A	N/A	0.067	10-21-400-006	TEMPORARY	



BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. NGS CONTROL POINT PID AE2474 WAS RECOVERED AND USED FOR CONVERSIONS. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".
COMBINED SCALE FACTOR (GROUND TO GRID) = 0.99995548

SURVEYORS NOTES:
1. THE 900 FEET WIDE RIGHT OF WAY FOR INTERSTATE ROUTE 55 WAS ESTABLISHED BY USING A PLAT PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION TITLED "FEDERAL AID ROUTE 77 SECTION 87-2" AND BY USING EXISTING MONUMENTATION THAT SUPPORTED SAID PLAT.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	ARSENAL RD	WILL	17	10
STA. 6034+17.90		TD STA. 6045+21.42		
STA. 930+07.69		TD STA. 935+56.83		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA
C1	16050.00'	61.04'	S 02°59'40" E	61.04'	01°3'04"
C2	16050.00'	70.00'	S 02°45'38" E	70.00'	01°5'00"

LINE	BEARING	LENGTH
L1	S 01°34'27" E	41.51'
L2	S 01°34'27" E	71.00'
L3	S 88°25'33" W	30.00'
L4	N 01°34'27" W	71.00'
L5	N 88°25'33" E	30.00'
L6	S 01°34'27" E	71.00'
L7	S 88°25'33" W	30.00'
L8	N 01°34'27" W	71.00'
L9	N 88°25'33" E	30.00'
L10	S 88°25'33" W	15.00'
L11	N 01°34'27" W	62.00'
L12	N 88°25'33" E	5.00'
L13	N 88°25'33" E	10.00'
L14	N 88°25'33" E	10.00'
L15	S 88°25'33" W	10.00'
L16	N 88°25'33" E	10.00'
L17	S 88°25'33" W	10.00'
L18	S 86°58'37" W	21.50'
L19	N 03°01'23" W	70.00'
L20	N 86°58'37" E	21.82'
L21	N 25°40'18" E	69.90'

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- IRON ROD SET
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. IRON ROD FLUSHED 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.
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- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
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- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

STATE OF ILLINOIS)
COUNTY OF DUPAGE)

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DATED AT LOMBARD, ILLINOIS THIS _____ DAY OF _____, A.D., 2009.

FOR REVIEW ONLY

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DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2011

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11/21/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/24/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/22/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW



IDOT SB - 070951 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED

Manhard CONSULTING LTD.
3502 Professional Land Surveyor No. 3502
18000 Hwy 100, Lombard, IL 60148
Civil Engineers - Surveyors - Water Resources Engineers - Wetland & Wetland Engineers
Construction Managers - Environmental Scientists - Landscape Architects - Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 55
SECTION: AT ARSENAL ROAD WILL COUNTY
PROJECT JOB NO. R-91-014-02
EASEMENT DETAIL: 1GQ0002, 1GQ0003 & 1GQ0007
SCALE: 1" = 60' SHEET 10 OF 17

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

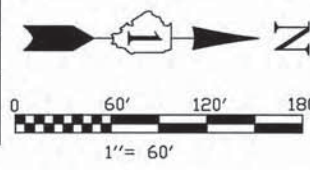
RECORDING: RECORDED ON

Jun 12, 2009 07:32 Dwg Name: P:\DOTS\Map\SunV\Final Drawings\Plot of Highways\10-11 IDOTB-Easement-Detail.dwg Updated By: bwright

NOTED
CHECKED
DATE
NO. 1

PART OF SEC. 21, 22, T34N, R9E OF THE 3RD P.M., WILL COUNTY, ILLINOIS

PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
1GQ0003TE-C	MOBILE JOUJET REFINING CORPORATION	734.148	N/A	N/A	N/A	0.444	10-22-100-006	TEMPORARY	
1GQ0005TE-A	INEOS NOVA, LLC A DELAWARE LIMITED LIABILITY COMPANY	118.746	N/A	N/A	N/A	0.035	10-21-200-005	TEMPORARY	

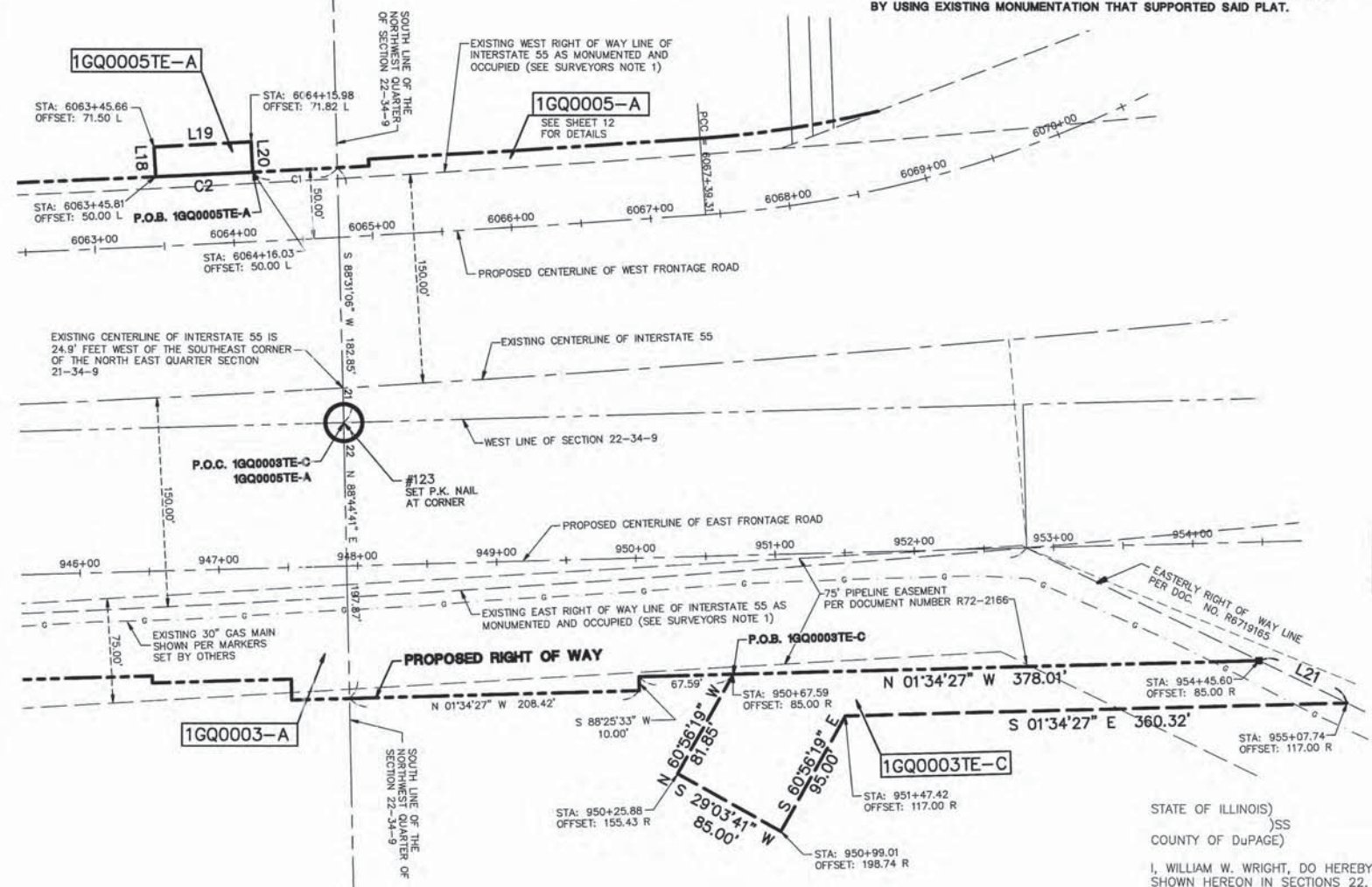


BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. NGS CONTROL POINT PID AE2474 WAS RECOVERED AND USED FOR CONVERSIONS. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".
COMBINED SCALE FACTOR (GROUND TO GRID) = 0.99995548

SURVEYORS NOTES:
1. THE 300 FEET WIDE RIGHT OF WAY FOR INTERSTATE ROUTE 55 WAS ESTABLISHED BY USING A PLAT PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION TITLED "FEDERAL AID ROUTE 77 SECTION 87-2" AND BY USING EXISTING MONUMENTATION THAT SUPPORTED SAID PLAT.

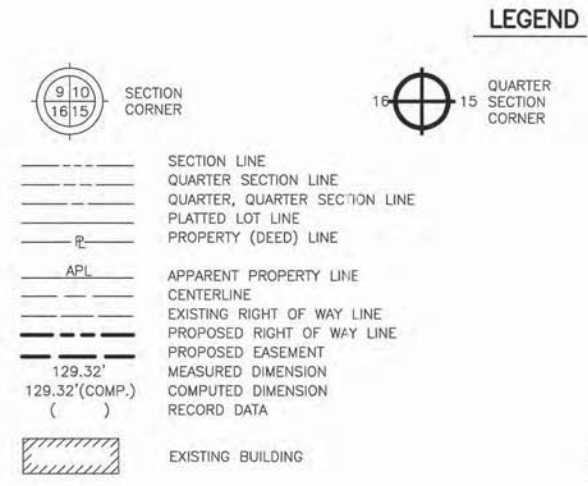
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	ARSENAL RD	WILL	17	11
STA. STA.	6063+45.66 950+25.88	TO STA. TO STA.	6064+16.03 955+07.74	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PNO	NORTHING	EASTING	PNO	NORTHING	EASTING
100	1715419.634	1017663.498	720	1723610.689	1023562.478
101	1718065.875	1017596.206	721	1723604.586	1023554.557
102	1720705.766	1017532.759	722	172352.881	1023479.129
103	1723340.555	1017478.365	723	1724340.781	1023307.144
104	1725987.137	1017422.264	724	1724581.593	1022976.319
105	1728597.319	1017341.363	725	1724579.570	1022903.496
106	1731207.5	1017260.462	726	1724830.325	1022892.420
107	1733857.688	1017096.894	727	1724828.958	1022861.451
108	1736507.875	1016933.327	728	1725569.769	1022829.024
109	1739157.062	1016869.797	729	1725572.819	1022940.662
110	1733911.12	1019728.649	730	1726117.271	1022925.059
111	1731280.511	1019886.382	731	1726115.800	1022845.069
112	1728665.256	1019968.126	732	1726114.789	1022790.076
113	1726050.714	1020049.782	733	1728095.668	1022790.658
114	1723411.887	1020110.253	734	1728095.393	1022780.662
115	1720779.103	1020170.586	735	1728595.204	1022766.926
116	1718137.55	1020232.189	736	1728595.341	1022771.924
117	1715492.053	1020293.883	737	1728695.304	1022769.177
118	1715564.398	1022925.852	738	1730027.545	1021765.359
119	1718209.126	1022864.565	739	1730016.371	1021750.588
120	1720853.435	1022802.52	740	1729820.268	1021898.938
121	1723482.898	1022730.257	741	1729826.301	1021906.913
122	1726112.36	1022657.993	742	1729406.939	1022224.157
123	1728732.943	1022585.211	743	1729308.317	1022287.764
124	1731353.525	1022512.429	744	1729116.299	1022361.495
125	1733962.948	1022281.409	745	1728988.592	1022381.166
126	1736609.921	1022201.34	746	1728750.575	1022396.183
127	1739257.894	1024848.402	747	1728750.853	1022401.175
128	1734045.457	1024967.68	748	1728300.241	1022419.898
129	1731421.981	1025030.302	749	1727837.099	1022432.626
130	1728789.232	1025153.932	750	1727837.481	1022442.619
131	1726159.499	1025221.274	751	1727771.502	1022444.433
132	1723527.789	1025293.725	752	1727771.120	1022434.439
133	1720896.251	1025366.171	753	1727021.785	1022465.037
134	1718270.503	1025464.92	754	1727021.403	1022455.043
135	1715637.657	1025563.936	755	1727021.212	1022450.047
136	1715723.743	1028139.869	756	1726437.916	1022466.077
137	1718331.354	1028043.008	757	1726438.271	1022481.073
138	1720938.931	1027946.016	758	1726108.393	1022490.139
139	1723572.837	1027866.118	759	1726108.038	1022475.143
140	1726206.638	1027784.555	760	1725401.874	1022494.550
141	1728845.521	1027722.644	761	1724758.306	1022486.157
142	1731493.492	1027660.52	762	1724758.574	1022481.164
143	1734125.429	1027571.341	763	1724399.374	1022453.724
144	1736757.365	1027482.161	764	1724399.867	1022448.748
145	1731560.774	1030287.217	765	1724018.955	1022401.612
146	1728934.784	1030358.67	766	1724018.221	1022406.558
147	1726292.093	1030430.578	767	1723572.560	1022327.387
148	1723692.158	1030384.275	768	1723333.754	1022277.903
149	1729024.371	1033004.308	769	1723336.797	1022263.215
150	1731656.584	1032924.341	770	1723032.873	1022200.238
700	1719866.403	1022961.796	771	1723037.946	1022175.758
701	1719866.540	1022966.785	772	1722773.491	1022156.470
702	1720016.484	1022962.664	773	1722772.611	1022141.496
703	1720016.758	1022972.660	774	1722459.597	1022210.015
704	1720223.720	1022966.972	775	1722343.794	1022255.238
705	1720273.718	1022966.510	776	1722334.012	1022230.190
706	1720273.672	1022961.510	777	1722051.763	1022115.282
707	1720953.643	1022955.223	778	1722055.888	1022124.392
708	1721067.850	1022960.575	779	1721998.443	1022163.706
709	1721065.796	1022980.469	780	1721864.794	1022294.627
710	1721293.305	1023031.279	781	1721665.595	1022446.667
711	1721288.351	1023045.438	782	1721670.640	1022455.302
712	1721534.799	1023173.085	783	1721227.417	1022593.141
713	1721703.892	1023339.767	784	1721228.159	1022603.113
714	1722013.164	1023760.730	785	1721179.592	1022605.586
715	1722168.212	1023928.385	786	1720556.480	1022622.710
716	1722178.009	1023917.027	787	1720557.045	1022642.702
717	1722420.856	1024071.740	788	1731370.667	1023616.018
718	1723268.540	1023909.234	789	1731345.850	1023458.868
719	1723563.108	1023604.975	790	1728695.716	1022784.171
			791	1728945.621	1022777.303
			792	1728945.347	1022767.307
			793	1729390.778	1022755.065
			794	1725549.809	1022829.612
			795	1726788.138	1022471.457
			796	1726787.784	1022456.461



LINE TABLE		
LINE	BEARING	LENGTH
L1	S 01'34'27" E	41.51'
L2	S 01'34'27" E	71.00'
L3	S 88'25'33" W	30.00'
L4	N 01'34'27" W	71.00'
L5	N 88'25'33" E	30.00'
L6	S 01'34'27" W	71.00'
L7	S 88'25'33" W	30.00'
L8	N 01'34'27" W	71.00'
L9	N 88'25'33" E	30.00'
L10	S 88'25'33" W	15.00'
L11	N 01'34'27" W	62.00'
L12	N 88'25'33" E	5.00'
L13	N 88'25'33" E	10.00'
L14	N 88'25'33" E	10.00'
L15	S 88'25'33" W	10.00'
L16	N 88'25'33" E	10.00'
L17	S 88'25'33" W	10.00'
L18	S 86'58'37" W	21.50'
L19	N 03'01'23" W	70.00'
L20	N 86'58'37" E	21.82'
L21	N 25'40'16" E	69.90'

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA
C1	16050.00'	61.04'	S 02'39'40" E	61.04'	01'3'04"
C2	16050.00'	70.00'	S 02'45'38" E	70.00'	01'5'00"



STATE OF ILLINOIS)
COUNTY OF DuPAGE)
I, WILLIAM W. WRIGHT, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 22, 27, 28 AND 34, TOWNSHIP 34 NORTH RANGE 9, EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, ILLINOIS; 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 LOMBARD, ILLINOIS THIS _____ DAY OF _____, A.D., 2009.

FOR REVIEW ONLY

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502
LICENSE EXPIRES NOVEMBER 30, 2010
DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2009



IDOT SB - 070951 SHEET 11 IS A COVER SHEET AND IS NOT RECORDED



RECEIVED
APR 27 2009
PLATS & LEGALS

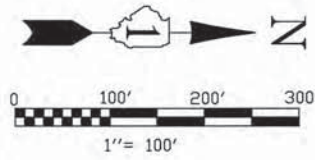
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 55
SECTION: AT ARSENAL ROAD WILL COUNTY
PROJECT JOB NO. R-91-014-02
EASEMENT DETAIL: 1GQ0003 & 1GQ0005
SCALE: 1" = 60' SHEET 11 OF 17

REVISION DATE	DESCRIPTION	INITIALS
04/24/09	REVISED PER I.D.O.T. REVIEW	WWW
02/05/09	REVISED PER I.D.O.T. REVIEW	WWW
12/08/08	REVISED PER IN-HOUSE REVIEW	WWW
12/08/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
11/21/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
06/23/08	REVISED LOCATION OF THE NORTH 1/4 CORNER OF SECTION 22 (POINT 129)	MAC/WWW
01/24/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/22/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW

RECORDING: RECORDED ON _____ AS DOCUMENT NO. _____

PART OF SEC. 21, T34N, R9E OF THE 3RD P.M., WILL COUNTY, ILLINOIS

PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
1GQ0004	HOFFMAN RAIL DISTRIBUTION CENTER, L.L.C.	24.491	0.080	N/A	24.411	N/A	10-21-400-005		
1GQ0005-A	INEOS NOVA, LLC A DELAWARE LIMITED LIABILITY COMPANY	118.746	0.290	N/A	118.163	N/A	10-21-200-003 10-21-200-005		
1GQ0005-B			0.293			N/A			
1GQ0005TE-A			N/A			0.035		TEMPORARY	
1GQ0006PE	COMMONWEALTH EDISON CO.	8.500	N/A	N/A	8.500	0.114	10-21-300-004	PERMANENT	
1GQ0007	HOFFMAN PROPERTY HOLDING, L.L.C.	6.026	0.172	N/A	5.854	N/A	10-21-400-004		
1GQ0008	HOFFMAN PROPERTY HOLDING, L.L.C.	3.616	0.121	N/A	3.495	N/A	10-21-400-006		
1GQ0008TE-A			N/A			0.067		TEMPORARY	

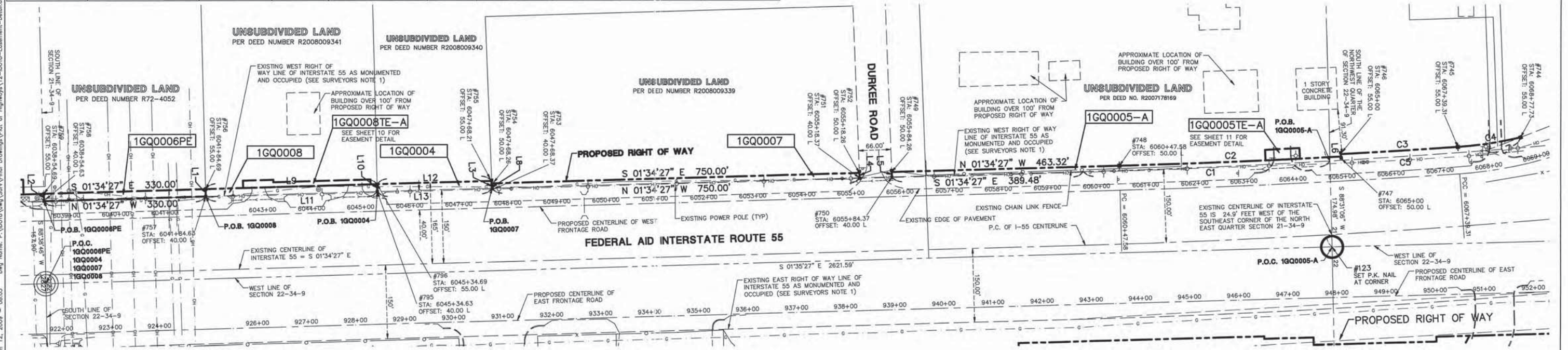


BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. NGS CONTROL POINT PID AE2474 WAS RECOVERED AND USED FOR CONVERSIONS. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".

COMBINED SCALE FACTOR (GROUND TO GRID) = 0.99995548

SURVEYORS NOTES:
 1. THE 300 FEET WIDE RIGHT OF WAY FOR INTERSTATE ROUTE 55 WAS ESTABLISHED BY USING A PLAT PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION TITLED "FEDERAL AID ROUTE 77 SECTION 87-2" AND BY USING EXISTING MONUMENTATION THAT SUPPORTED SAID PLAT.

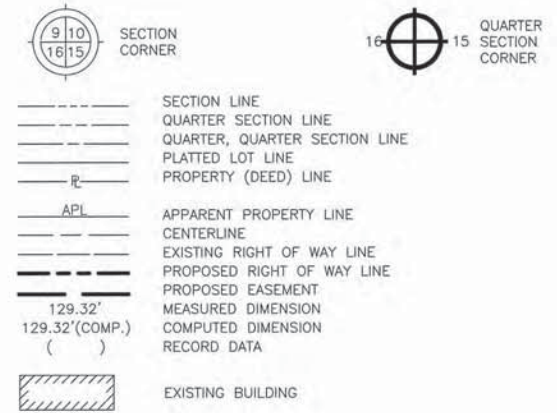
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	ARSENAL RD	WILL	17	12
STA. 6038+54.63		TO STA. 6068+77.73		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



LINE	BEARING	LENGTH
L1	S 88°38'46" W	15.00'
L2	N 88°38'46" E	15.00'
L3	N 87°48'40" E	15.00'
L4	S 87°48'40" W	10.00'
L5	S 87°48'40" W	10.00'
L6	S 86°48'57" W	5.00'
L7	S 21°00'20" E	75.19'
L8	N 87°48'40" E	10.00'
L9	N 01°34'27" W	350.00'
L10	N 88°38'46" E	15.00'
L11	S 01°34'27" E	350.00'
L12	N 01°34'27" W	233.52'
L13	S 01°34'27" E	233.73'

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA
C1	16066.85'	502.09'	S 02°28'10" E	502.07'	1°47'26"
C2	16050.00'	451.00'	N 02°22'45" W	451.00'	1°36'36"
C3	16045.00'	238.49'	N 03°36'36" W	238.49'	0°51'06"
C4	785.00'	129.36'	N 08°45'24" W	129.21'	9°26'30"
C5	16066.85'	318.44'	S 03°55'57" E	318.43'	1°08'08"

LEGEND



- IRON ROD SET
- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- T1
- T2
- T3
- BT1
- 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 OR 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 COLOR 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.
- ◇ LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT

STATE OF ILLINOIS)
)SS
 COUNTY OF DuPAGE)
 I, WILLIAM W. WRIGHT, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 22, 27, 28 AND 34, TOWNSHIP 34 NORTH RANGE 9, EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, ILLINOIS; 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 LOMBARD, ILLINOIS THIS ____ DAY OF _____, A.D., 2009.

FOR REVIEW ONLY
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502
 LICENSE EXPIRES NOVEMBER 30, 2010

DESIGN FIRM LICENSE NO. 184003350
 LICENSE EXPIRES APRIL 30, 2011



REVISION DATE	DESCRIPTION	INITIALS
06/08/09	REVISED PER IN-HOUSE REVIEW	WWW
05/20/09	REVISED PER I.D.O.T. REVIEW	WWW
04/24/09	REVISED PER I.D.O.T. REVIEW	WWW
04/09/09	REVISED PER I.D.O.T. REVIEW	WWW
12/08/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
11/21/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
06/23/08	REVISED LOCATION OF THE NORTH 1/4 CORNER OF SECTION 22 (POINT 129)	MAC/WWW
01/24/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/22/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
REVISION DATE	DESCRIPTION	INITIALS

RECORDING: RECORDED ON

ID078 SB - 070951 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED

Manhard CONSULTING LTD.
 PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 55
 SECTION: AT ARSENAL ROAD WILL COUNTY
 PROJECT JOB NO. R-91-014-02
 STA. 6038+54.63 TO STA. 6068+77.73
 SCALE: 1" = 100' SHEET 12 OF 17

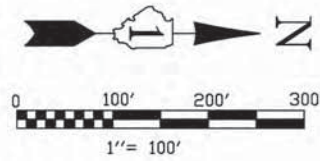
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196
 AS DOCUMENT NO.

RECEIVED
 JUN 10 2009
 PLATS & LEGALS

Jun 12, 2009 - 08:05 Dwg Name: P:\DOTS\Drawings\Surv\Final Drawings\12-0078-Easement-Detail.dwg Updated By: bwright
 CHECKED
 DRAWN
 NOTEBOOK NO.

PART OF SEC. 21, T34N, R9E OF THE 3RD P.M., WILL COUNTY, ILLINOIS

PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
1GQ0005-A	INEOS NOVA, LLC A DELAWARE LIMITED LIABILITY COMPANY	118.746	0.290	N/A	118.163	N/A	10-21-200-003 10-21-200-005		
1GQ0005-B			0.293			N/A			
1GQ0005E-A			N/A			0.035		TEMPORARY	



BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. NGS CONTROL POINT PID AE2474 WAS RECOVERED AND USED FOR CONVERSIONS. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".
COMBINED SCALE FACTOR (GROUND TO GRID) = 0.99995548

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	ARSENAL RD	WILL	17	13
STA. 6070+98.47		TO STA. 6079+69.54		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

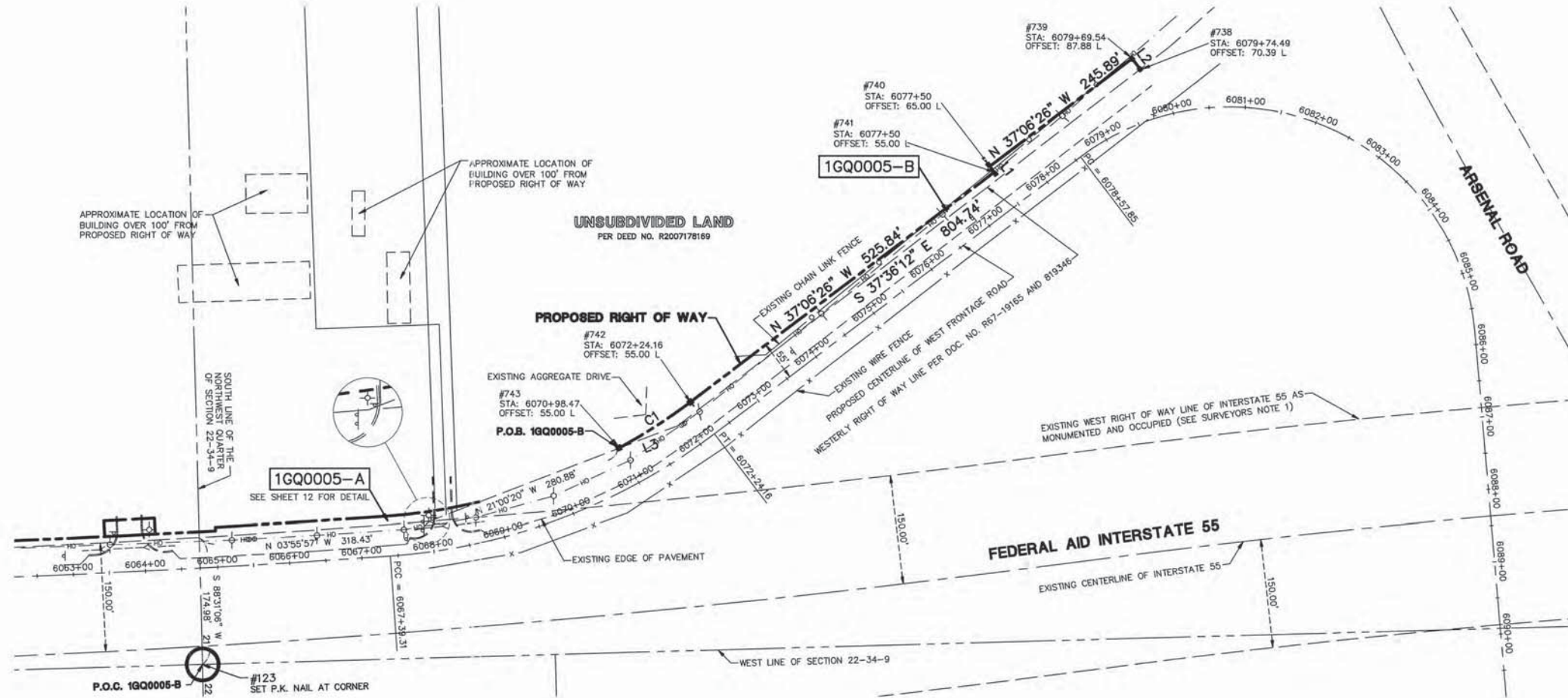
SURVEYORS NOTES:
1. THE 300 FEET WIDE RIGHT OF WAY FOR INTERSTATE ROUTE 55 WAS ESTABLISHED BY USING A PLAT PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION TITLED "FEDERAL AID ROUTE 77 SECTION 87-2" AND BY USING EXISTING MONUMENTATION THAT SUPPORTED SAID PLAT.

LINE TABLE

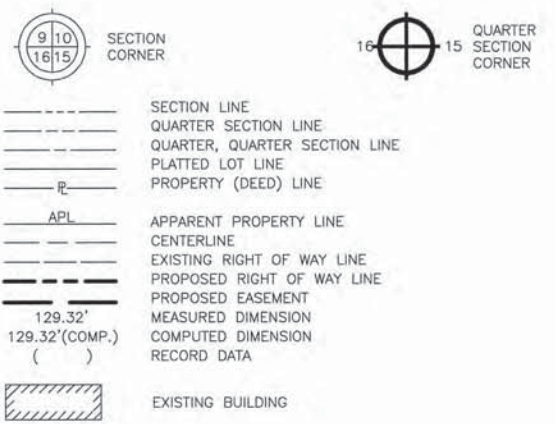
LINE	BEARING	LENGTH
L1	S 52°53'34" W	10.00'
L2	N 52°53'34" E	18.52'
L3	S 21°00'20" E	87.48'

CURVE TABLE

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA
C1	785.00'	117.46'	N 32°49'14" W	117.35'	8°34'25"



LEGEND



- IRON ROD SET
- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
- T2 IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- 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 OR 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 COLOR PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO EE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- ⊕ LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT
- ⊙ PK NAIL SET
- REPLACED AFTER CONSTRUCTION

STATE OF ILLINOIS)
COUNTY OF DuPAGE)
I, WILLIAM W. WRIGHT, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 22, 27, 28 AND 34, TOWNSHIP 34 NORTH RANGE 9, EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, ILLINOIS; 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 LOMBARD, ILLINOIS THIS ____ DAY OF _____, A.D., 2009.
FOR REVIEW ONLY
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502
LICENSE EXPIRES NOVEMBER 30, 2010
DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2009



IDOTB SB - 070951 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED

Manhard CONSULTING

3502 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 55

SECTION: AT ARSENAL ROAD WILL COUNTY
PROJECT JOB NO. R-91-014-02
STA. 6070+98.47 TO STA. 6079+74.49
SCALE: 1" = 100' SHEET 13 OF 17

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

RECORDED AS DOCUMENT NO.

REVISION DATE	DESCRIPTION	INITIALS
04/24/09	REVISED PER I.D.O.T. REVIEW	WWW
11/21/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
06/23/08	REVISED LOCATION OF THE NORTH 1/4 CORNER OF SECTION 22 (POINT 129)	MAC/WWW
01/24/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/22/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW

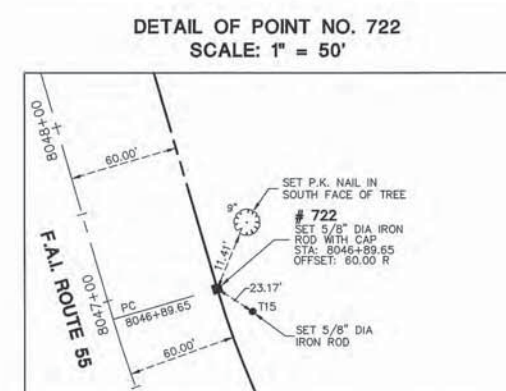
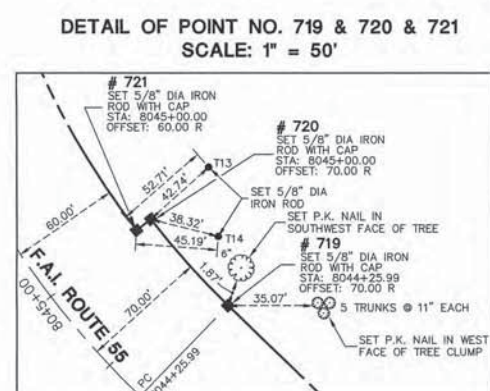
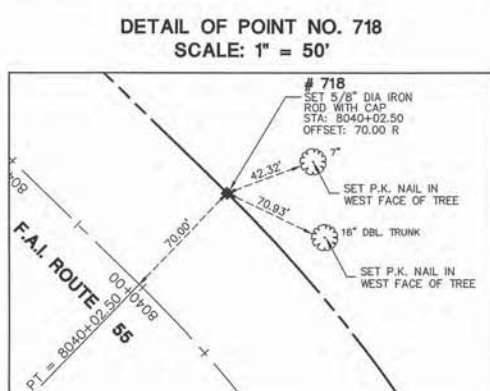
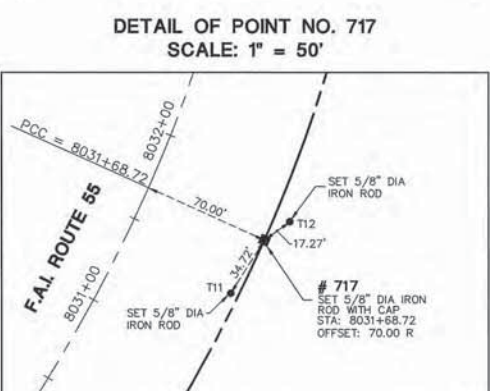
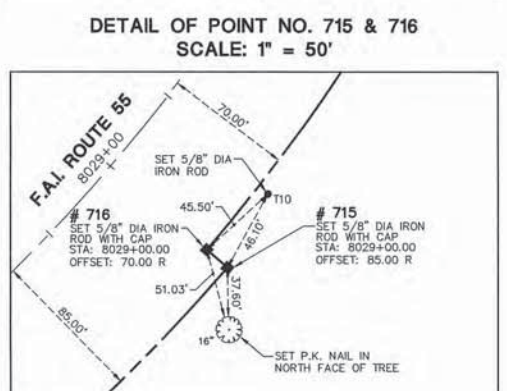
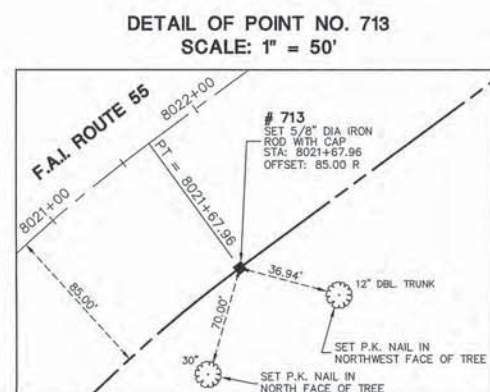
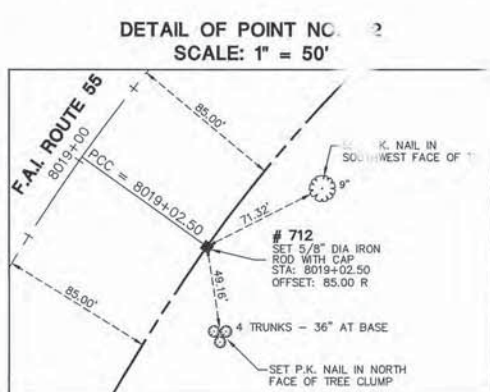
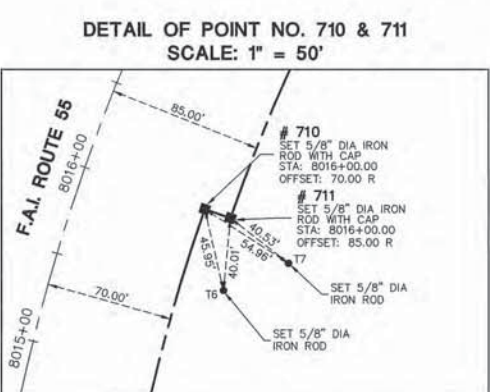
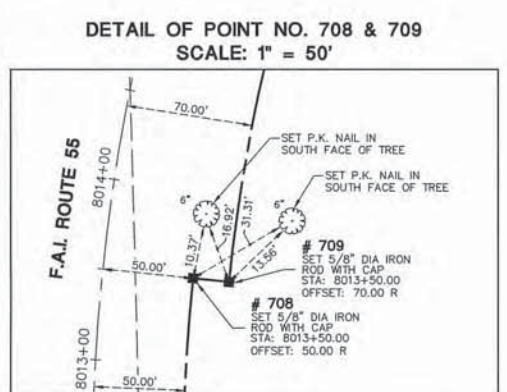
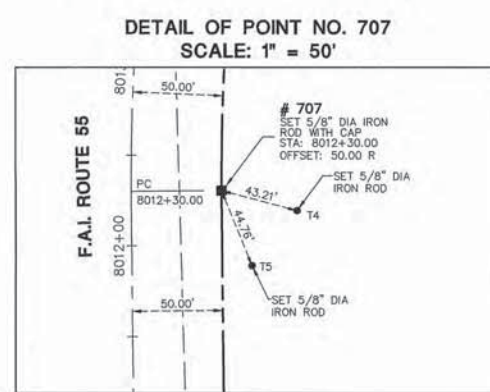
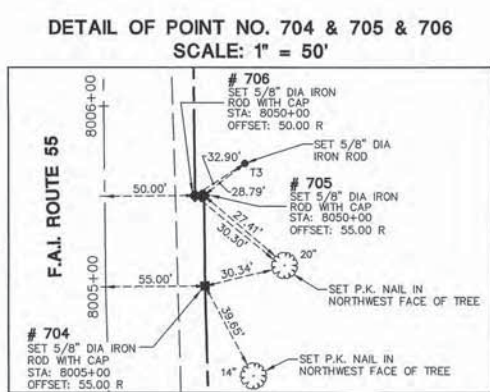
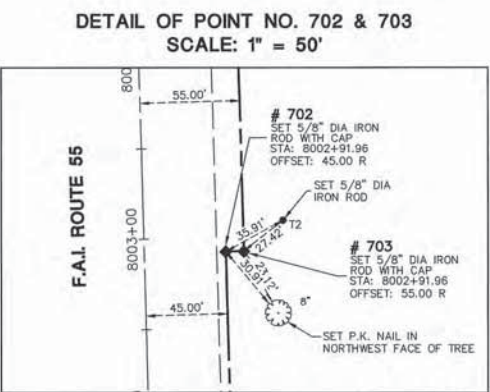
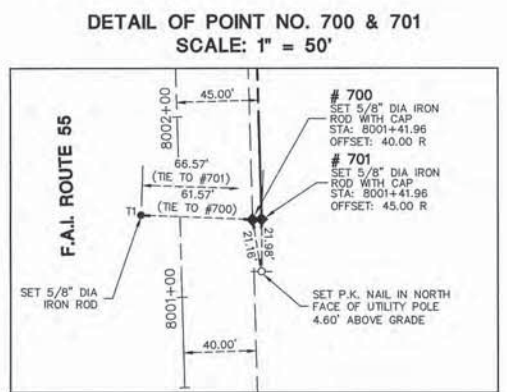
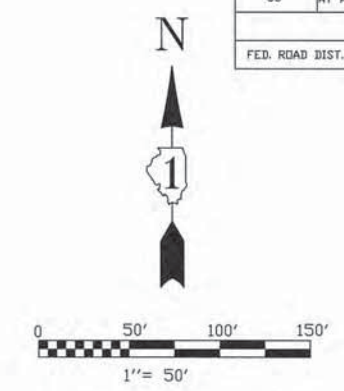
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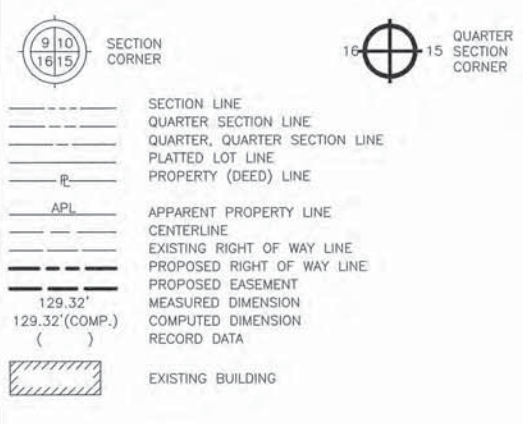
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PART OF SECS. 22, 27, 28 AND 34, T34N, R9E OF THE 3RD P.M., WILL COUNTY, ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	AT ARSENAL RD.	WILL	17	14
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



LEGEND



- IRON ROD SET
- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
- T2 IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T3 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.
- M STAKING OR 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 COLOR 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.
- ◇ LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT

STATE OF ILLINOIS) JSS
COUNTY OF DuPAGE)

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DATED AT LOMBARD, ILLINOIS THIS 24TH DAY OF NOVEMBER, A.D., 2008.

WILLIAM W. WRIGHT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502
LICENSE EXPIRES NOVEMBER 30, 2010

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2009

BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. NGS CONTROL POINT PD 42474 WAS RECOVERED AND USED FOR CONVERSIONS. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".
COMBINED SCALE FACTOR (GROUND TO GRID) = 0.99995548

11/21/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/24/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/22/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
REVISION DATE	DESCRIPTION	INITIALS



IDOT SB - 070951 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED

Manhard CONSULTING LTD
2000 Valley Road, Suite 50, Lombard, IL 60148 Tel: 630.261.8000 Fax: 630.261.8000
Civil Engineers - Surveyors - Water Resources Engineers - Water & Wastewater Engineers
Construction Managers - Environmental Scientists - Landscape Architects - Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 55

SECTION: AT ARSENAL ROAD WILL COUNTY
PROJECT JOB NO. R-91-014-02
RECOVERY TIE DETAIL SHEET, POINTS 600 THROUGH 618
SCALE: 1" = 50' SHEET 14 OF 17

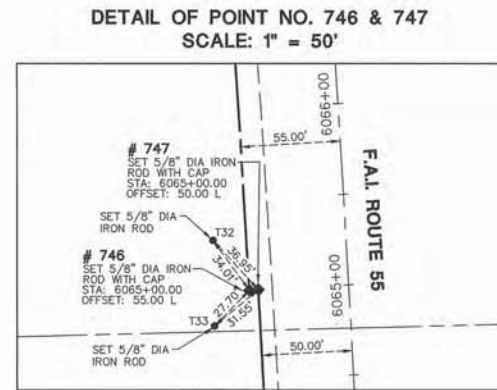
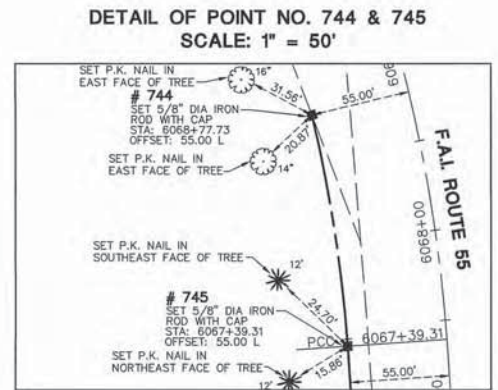
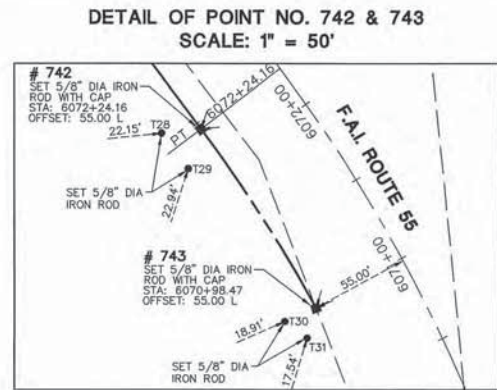
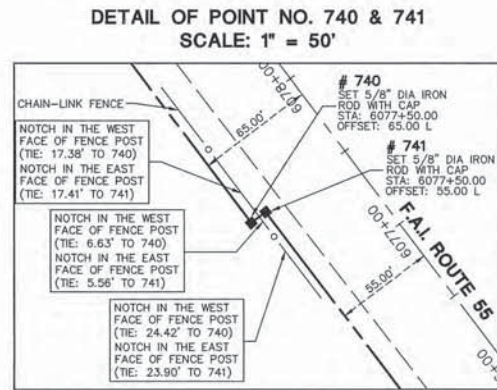
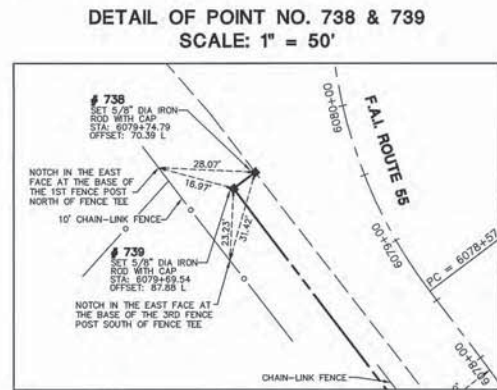
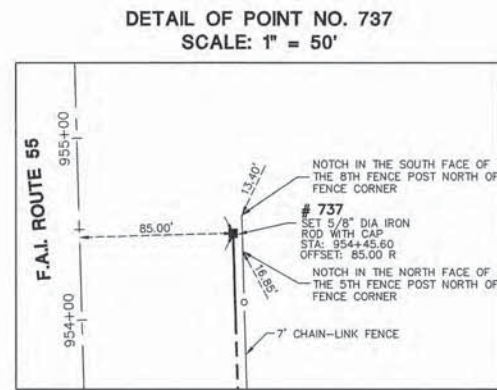
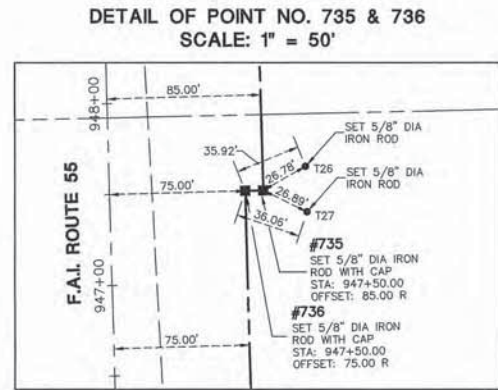
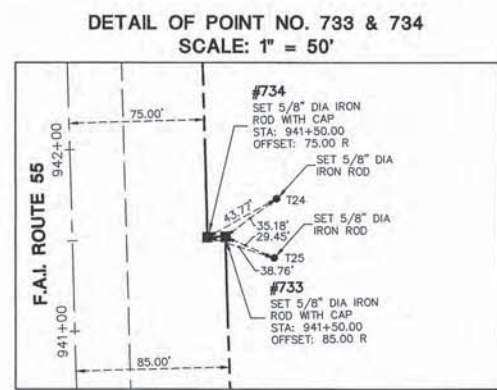
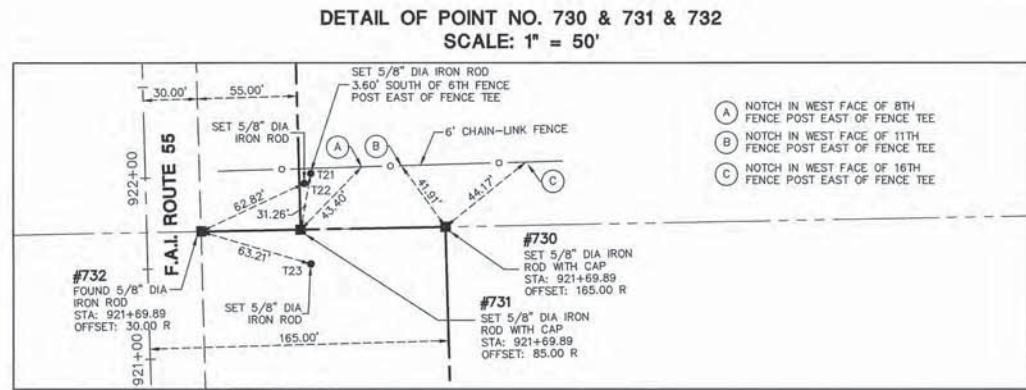
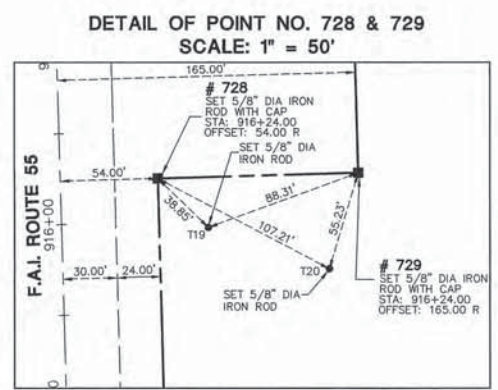
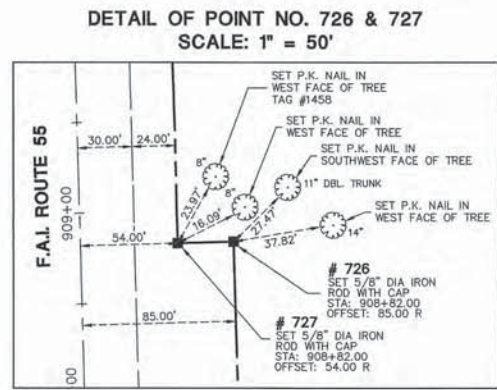
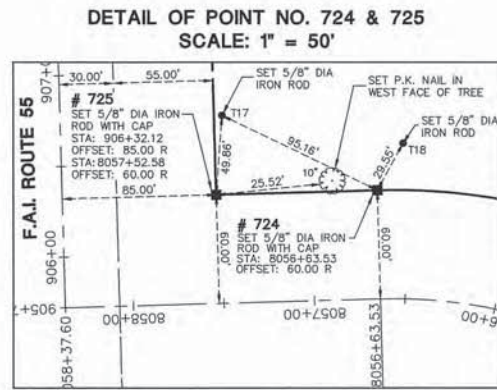
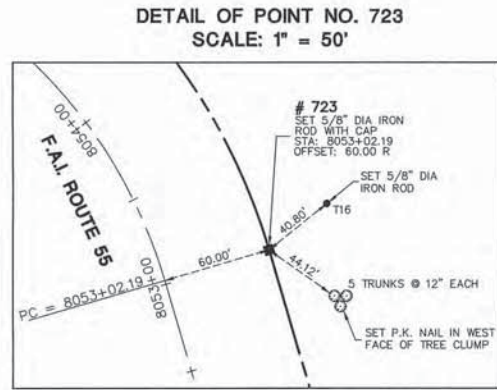
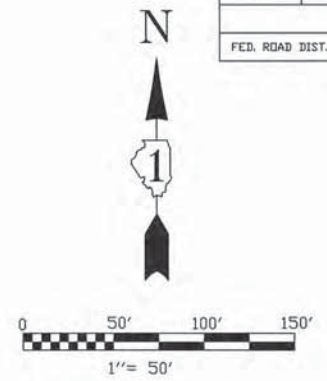
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

AS DOCUMENT NO.

Nov 24, 2008 - 15:56
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PART OF SECS. 22, 27, 28 AND 34, T34N, R9E OF THE 3RD P.M., WILL COUNTY, ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	AT ARSENAL RD.	WILL.	17	15
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



BY	DATE
MADE	CHECKED
LINKED	LINKED
R.O.W. PLAT	NOTEBOOK NO.

LEGEND

- 9/15 SECTION CORNER
- 16/15 QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- 129.32'
- 129.32'(COMP.)
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- IRON ROD SET
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
- T2 IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
- BT1 BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2 FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- 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 OR 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 COLOR PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)
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- LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT
- PK NAIL SET
- REPLACED AFTER CONSTRUCTION

STATE OF ILLINOIS))
COUNTY OF DuPAGE)

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DATED AT LOMBARD, ILLINOIS THIS 24TH DAY OF NOVEMBER, A.D., 2008.

WILLIAM W. WRIGHT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502
LICENSE EXPIRES NOVEMBER 30, 2010

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2009

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COMBINED SCALE FACTOR (GROUND TO GRID) = 0.99995548

11/21/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/24/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/22/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
REVISION DATE	DESCRIPTION	INITIALS



ID078 SB - 070951 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED



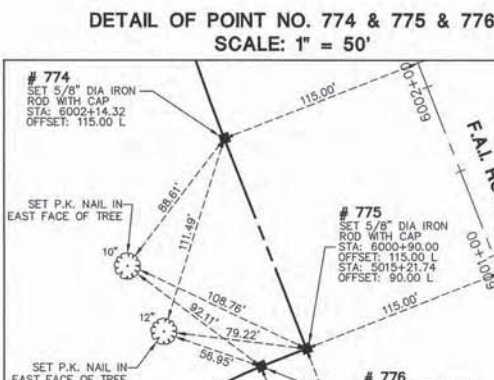
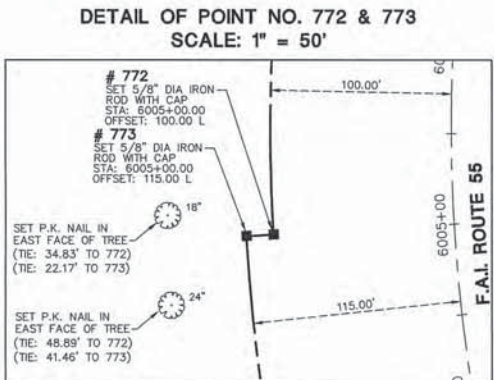
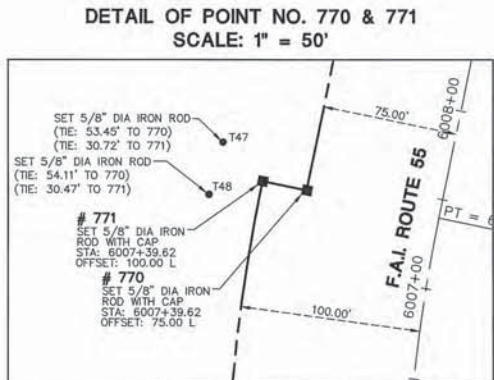
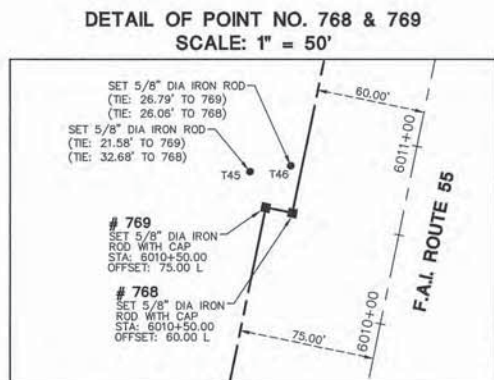
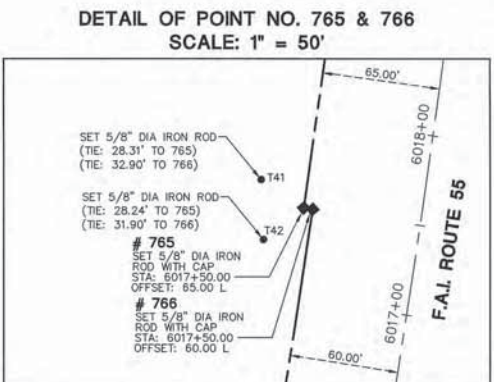
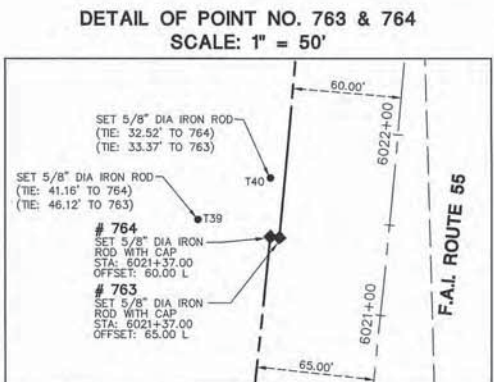
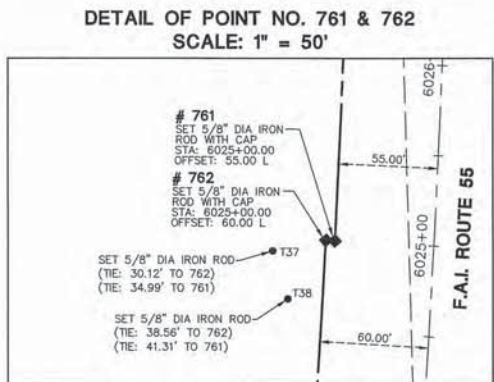
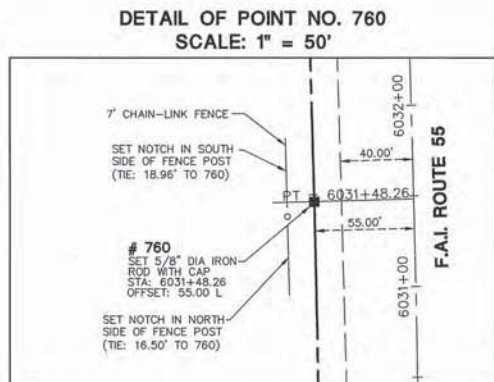
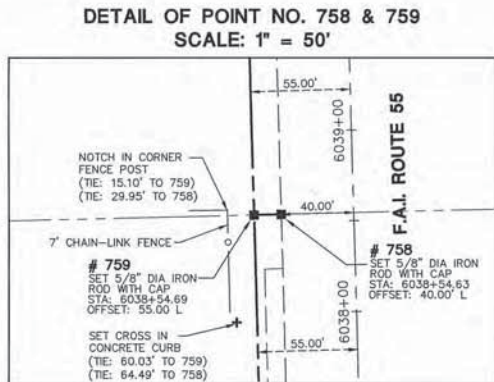
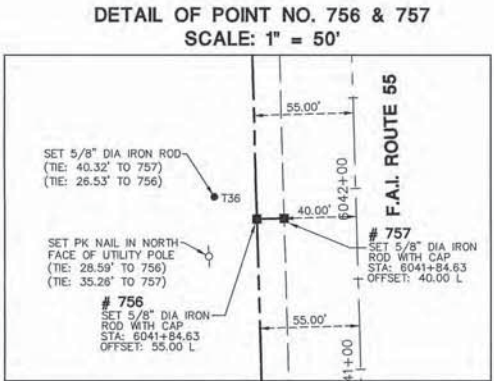
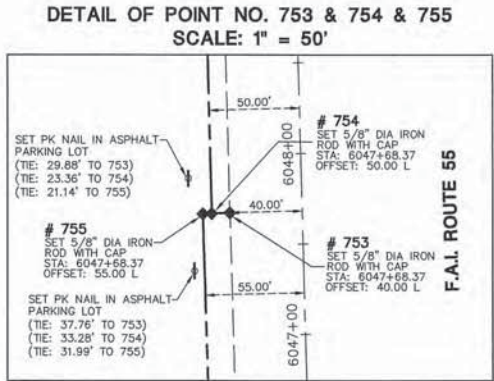
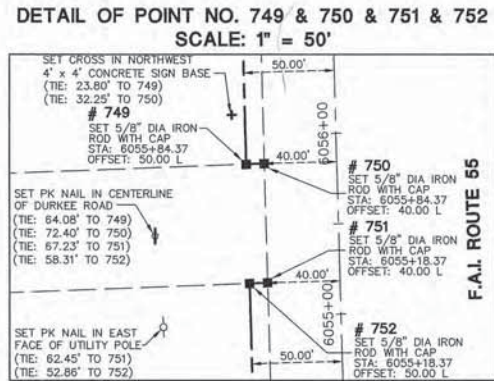
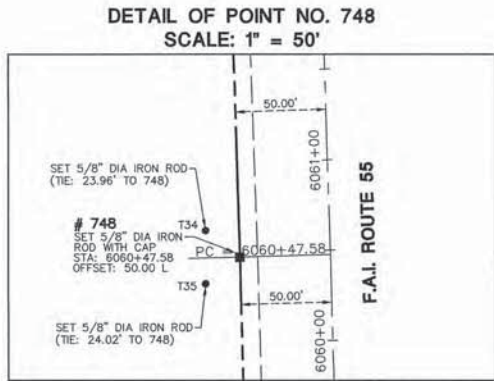
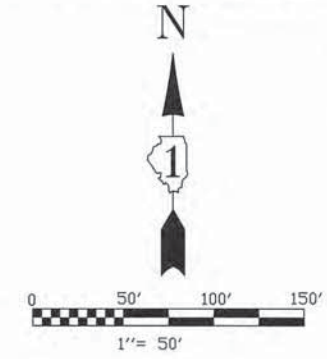
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 55
SECTION: AT ARSENAL ROAD WILL COUNTY
PROJECT JOB NO. R-91-014-02
RECOVERY TIE DETAIL SHEET, POINTS 600 THROUGH 618
SCALE: 1" = 50' SHEET 15 OF 17

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

RECORDING: RECORDED ON

PART OF SECS. 22, 27, 28 AND 34, T34N, R9E OF THE 3RD P.M., WILL COUNTY, ILLINOIS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	AT ARSENAL RD.	WILL.	17	16
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



LEGEND

- IRON ROD SET
- IRON PIPE OR ROD FOUND
- ⊕ CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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STATE OF ILLINOIS)
COUNTY OF DU PAGE)

I, WILLIAM W. WRIGHT, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 22, 27, 28 AND 34, TOWNSHIP 34 NORTH RANGE 9, EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, ILLINOIS; 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 LOMBARD, ILLINOIS, THIS 24TH DAY OF NOVEMBER, A.D., 2008.

WILLIAM W. WRIGHT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502
LICENSE EXPIRES NOVEMBER 30, 2010

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2009

BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. NGS CONTROL POINT PID AE2474 WAS RECOVERED AND USED FOR CONVERSIONS. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".

COMBINED SCALE FACTOR (GROUND TO GRID) = 0.99995548

REVISION DATE	DESCRIPTION	INITIALS
11/21/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
02/15/08	TIES ADDED FOR 621-623	MAC/WWW
01/24/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
01/22/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW

RECORDING: RECORDED ON

IDOT8 SB - 070951 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED



PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 55

SECTION: AT ARSENAL ROAD WILL COUNTY
PROJECT JOB NO. R-91-014-02
RECOVERY TIE DETAIL SHEET, POINTS 619 THROUGH 641
SCALE: 1" = 50' SHEET 16 OF 17

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

AS DOCUMENT NO.

Nov. 24, 2008 - 15:57 Dwg Name: P:\DOT8\070951\Drawings\Plat of Highway\14-17 IDOT8-Details.dwg Updated By: ahhorn

DATE	BY	MADE	CHECKED	LINKED



- SECTION LINE
- - - QUARTER SECTION LINE
- - - QUARTER, QUARTER SECTION LINE
- - - PLATTED LOT LINE
- - - PROPERTY (DEED) LINE

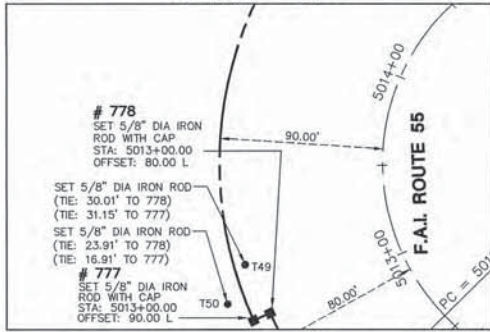
- - - A.P.I. APPARENT PROPERTY LINE
- - - CENTERLINE
- - - EXISTING RIGHT OF WAY LINE
- - - PROPOSED RIGHT OF WAY LINE
- - - PROPOSED EASEMENT
- - - MEASURED DIMENSION
- - - COMPUTED DIMENSION
- - - RECORD DATA

- ▨ EXISTING BUILDING

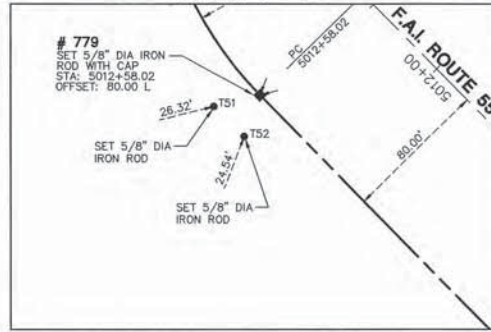
PART OF SECS. 22, 27, 28 AND 34, T34N, R9E OF THE 3RD P.M., WILL COUNTY, ILLINOIS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	AT ARSENAL RD.	WILL	17	17
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

DETAIL OF POINT NO. 777 & 778
SCALE: 1" = 50'



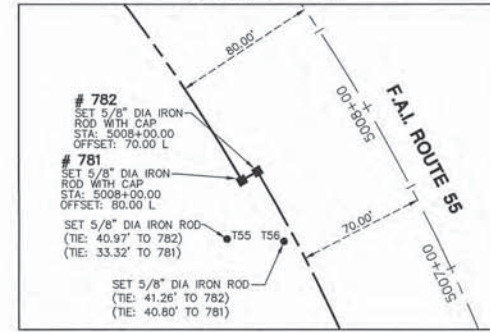
DETAIL OF POINT NO. 779
SCALE: 1" = 50'



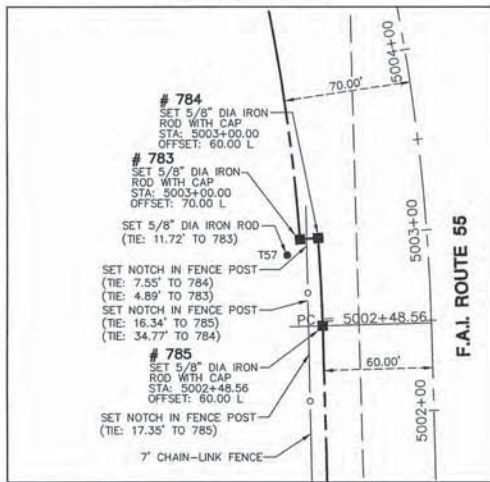
DETAIL OF POINT NO. 780
SCALE: 1" = 50'



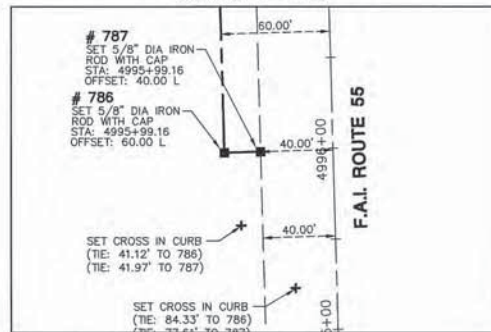
DETAIL OF POINT NO. 781 & 782
SCALE: 1" = 50'



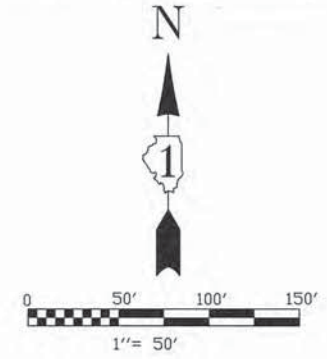
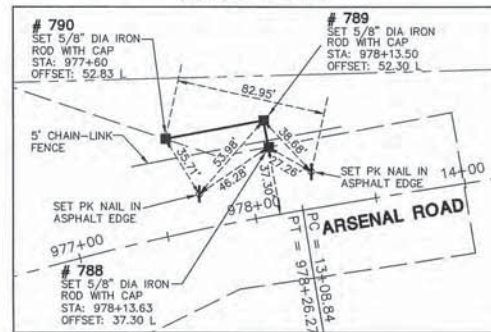
DETAIL OF POINT NO. 783 & 784 & 785
SCALE: 1" = 50'



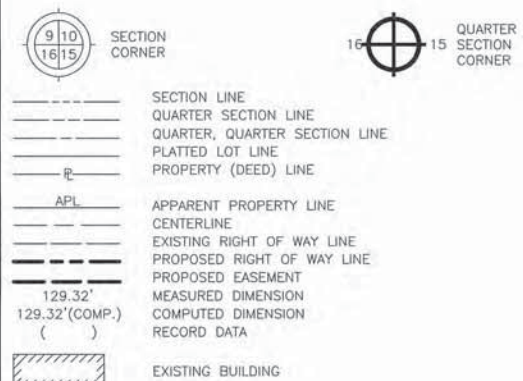
DETAIL OF POINT NO. 786 & 787
SCALE: 1" = 50'



DETAIL OF POINT NO. 788 & 789 & 790
SCALE: 1" = 50'



LEGEND



- IRON ROD SET
- IRON PIPE OR ROD FOUND
- ✚ CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
- T2 IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- 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 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.
- BT3 STAKING OR 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 COLOR 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.
- ◇ LIGHT STANDARD
- ◇ P.O.B. = POINT OF BEGINNING
- ◇ P.O.C. = POINT OF COMMENCEMENT
- ⚡ PK NAIL SET
- REPLACED AFTER CONSTRUCTION

STATE OF ILLINOIS)
)SS
COUNTY OF DuPAGE)

I, WILLIAM W. WRIGHT, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 22, 27, 28 AND 34, TOWNSHIP 34 NORTH RANGE 9, EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, ILLINOIS; 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 LOMBARD, ILLINOIS THIS 24TH DAY OF NOVEMBER, A.D., 2008.

WILLIAM W. WRIGHT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502
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COMBINED SCALE FACTOR (GROUND TO GRID) = 0.99995548

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02/15/08	TIES ADDED FOR 621-623	MAC/WWW
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01/22/08	REVISED PER I.D.O.T. REVIEW	MAC/WWW
REVISION DATE	DESCRIPTION	INITIALS



IDOTB SB - 070951 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED

Manhard CONSULTING LTD.
3502 Highway 140, Lombard, IL 60148
Civil Engineers - Surveyors - Water Resources Engineers - Water & Wastewater Engineers - Construction Managers - Environmental Scientists - Landscape Architects - Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 55

SECTION: AT ARSENAL ROAD WILL COUNTY
PROJECT JOB NO. R-91-014-02
RECOVERY TIE DETAIL SHEET, POINTS 619 THROUGH 641
SCALE: 1" = 50' SHEET 17 OF 17

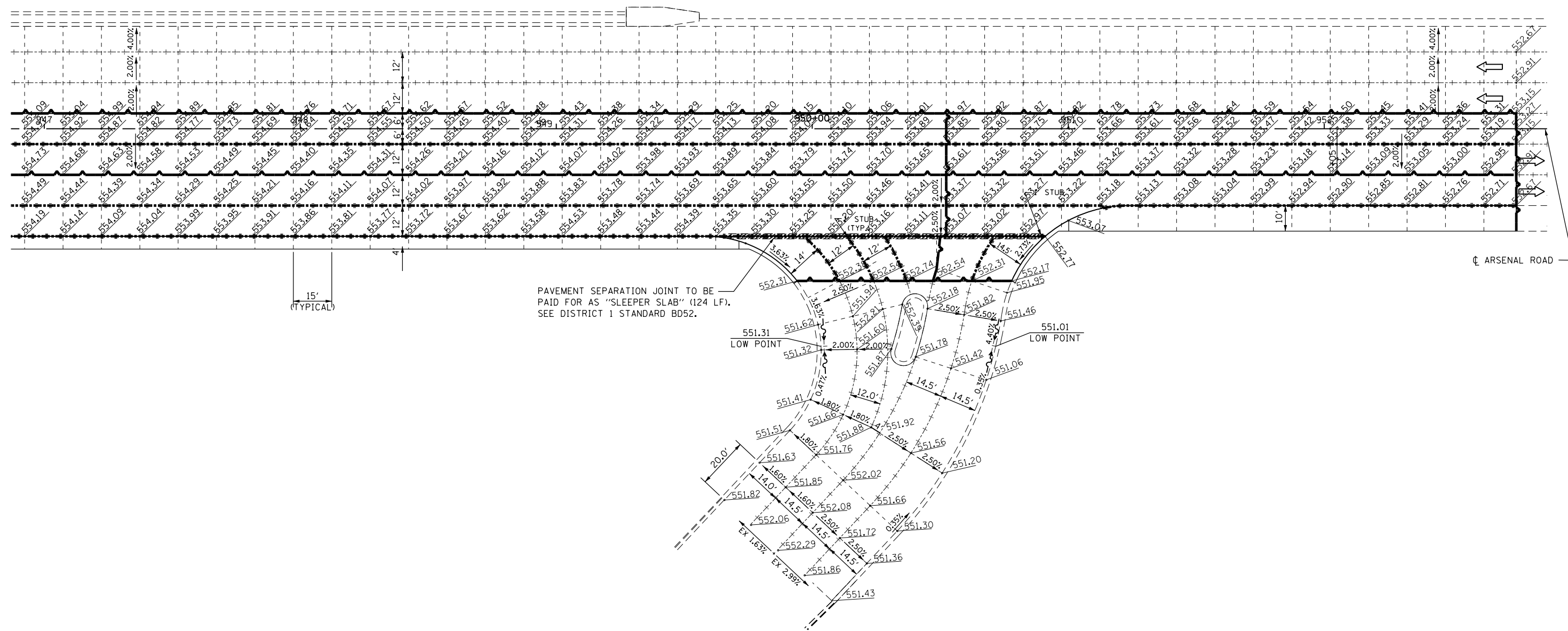
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

AS DOCUMENT NO.

RECORDING: RECORDED ON

DATE	
BY	
MADE	
CHECKED	
LINKED	
R.O.W. PLAT	
NOTEBOOK NO.	

Nov 24, 2008 - 15:37 - Dwg Name: P:\00108.dwg (Surv) Platted Drawings\Plat of Highways\14-17 IDOTB-Detail.dwg Updated By: athena



15'
(TYPICAL)

PAVEMENT SEPARATION JOINT TO BE PAID FOR AS "SLEEPER SLAB" (124 LF). SEE DISTRICT 1 STANDARD BD52.

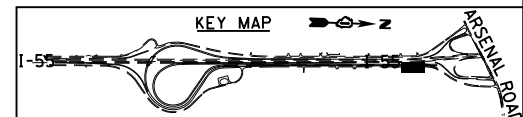
ARSENAL ROAD

LEGEND

PROPOSED	EXISTING	PAVEMENT JOINT LINES/SYMBOLS
		LONGITUDINAL OR TRANSVERSE CONSTRUCTION JOINT WITH TIE BARS
		SAWED LONGITUDINAL JOINT WITH TIE BARS
		TRANSVERSE SAWED CONTRACTION JOINT
		SLEEPER SLAB

NOTES

- ELEVATIONS ARE FOR INFORMATION ONLY. CONTRATOR SHALL VERIFY ALL ELEVATIONS PRIOR TO CONSTRUCTION.
- REFER TO STANDARDS 420001, 420101, 420106, 420201 AND 420401 FOR JOINT DETAILS AND SPACING.
- PROPOSED TRANSVERSE JOINTS MUST MATCH EXISTING TRANSVERSE JOINTS.



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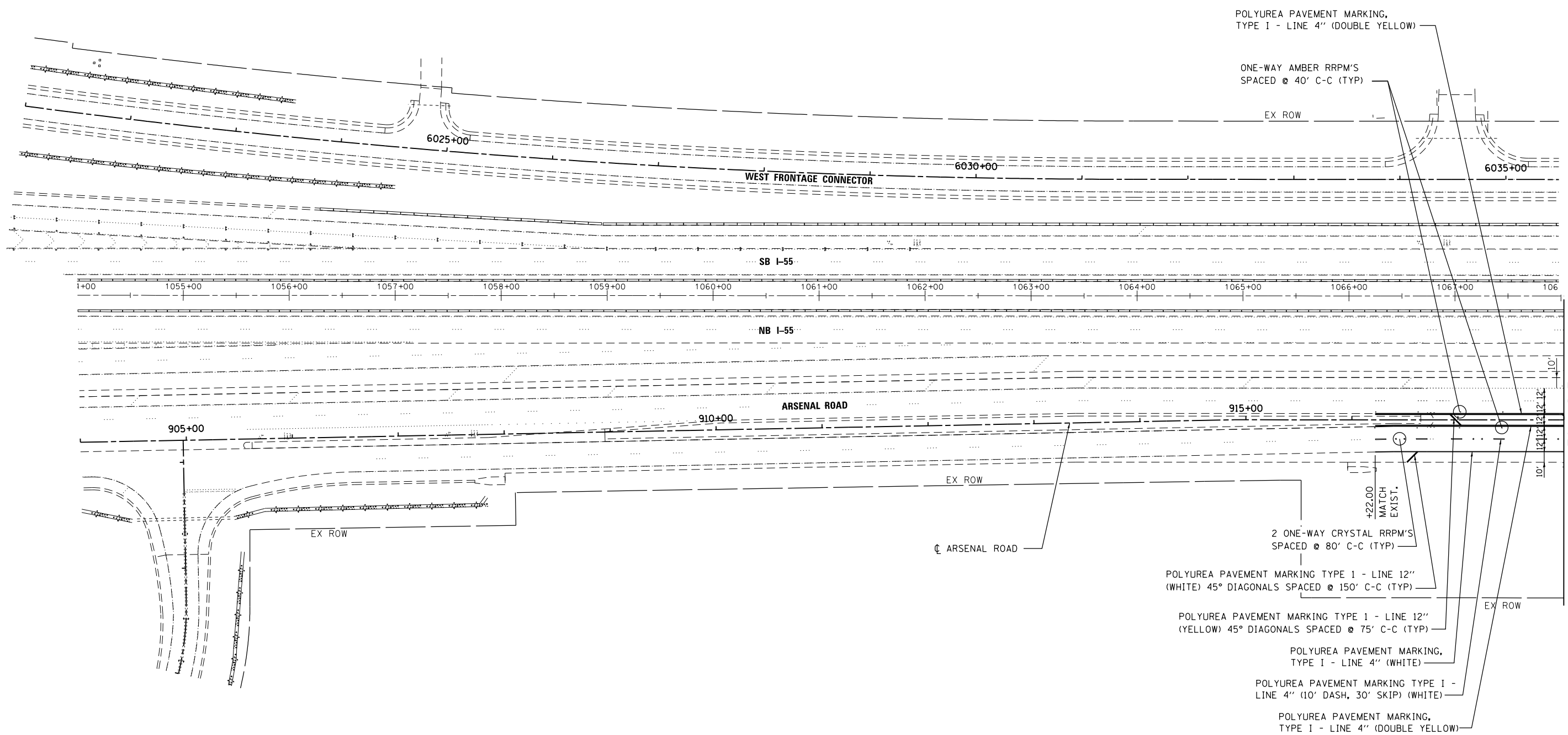
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

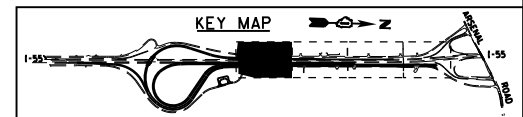
PAVEMENT DETAILS

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.I R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	65
				CONTRACT NO. 60P51
ILLINOIS FED. AID PROJECT				



- POLYUREA PAVEMENT MARKING, TYPE I - LINE 4" (DOUBLE YELLOW)
- ONE-WAY AMBER RRPMS SPACED @ 40' C-C (TYP)
- EX ROW
- 6025+00
- 6030+00
- 6035+00
- 2 ONE-WAY CRYSTAL RRPMS SPACED @ 80' C-C (TYP)
- +22.00 MATCH EXIST.
- POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (WHITE) 45° DIAGONALS SPACED @ 150' C-C (TYP)
- POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (YELLOW) 45° DIAGONALS SPACED @ 75' C-C (TYP)
- POLYUREA PAVEMENT MARKING, TYPE I - LINE 4" (WHITE)
- POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (10' DASH, 30' SKIP) (WHITE)
- POLYUREA PAVEMENT MARKING, TYPE I - LINE 4" (DOUBLE YELLOW)



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SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = dennisw	DESIGNED - MAG	REVISED -
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
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PLOT DATE = 3/10/2014	DATE - 12-5-12	REVISED -

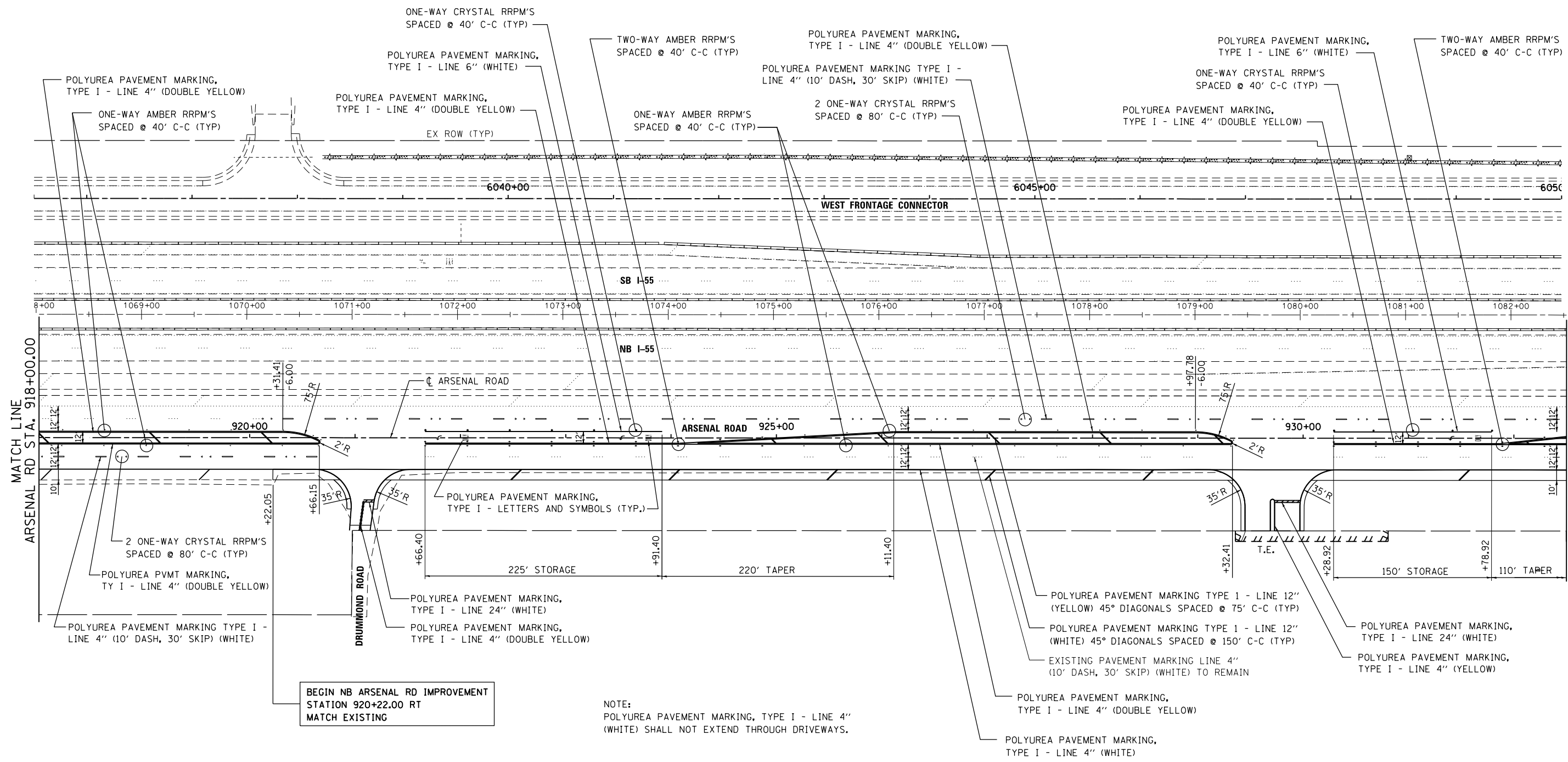
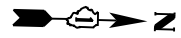
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA. 904+00.00 TO STA. 918+00.00

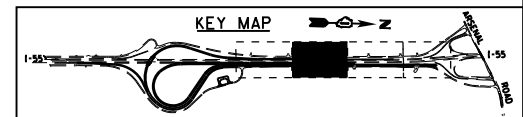
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	66
CONTRACT NO. 60P51				

ILLINOIS FED. AID PROJECT



BEGIN NB ARSENAL RD IMPROVEMENT
STATION 920+22.00 RT
MATCH EXISTING

NOTE:
POLYUREA PAVEMENT MARKING, TYPE I - LINE 4"
(WHITE) SHALL NOT EXTEND THROUGH DRIVEWAYS.



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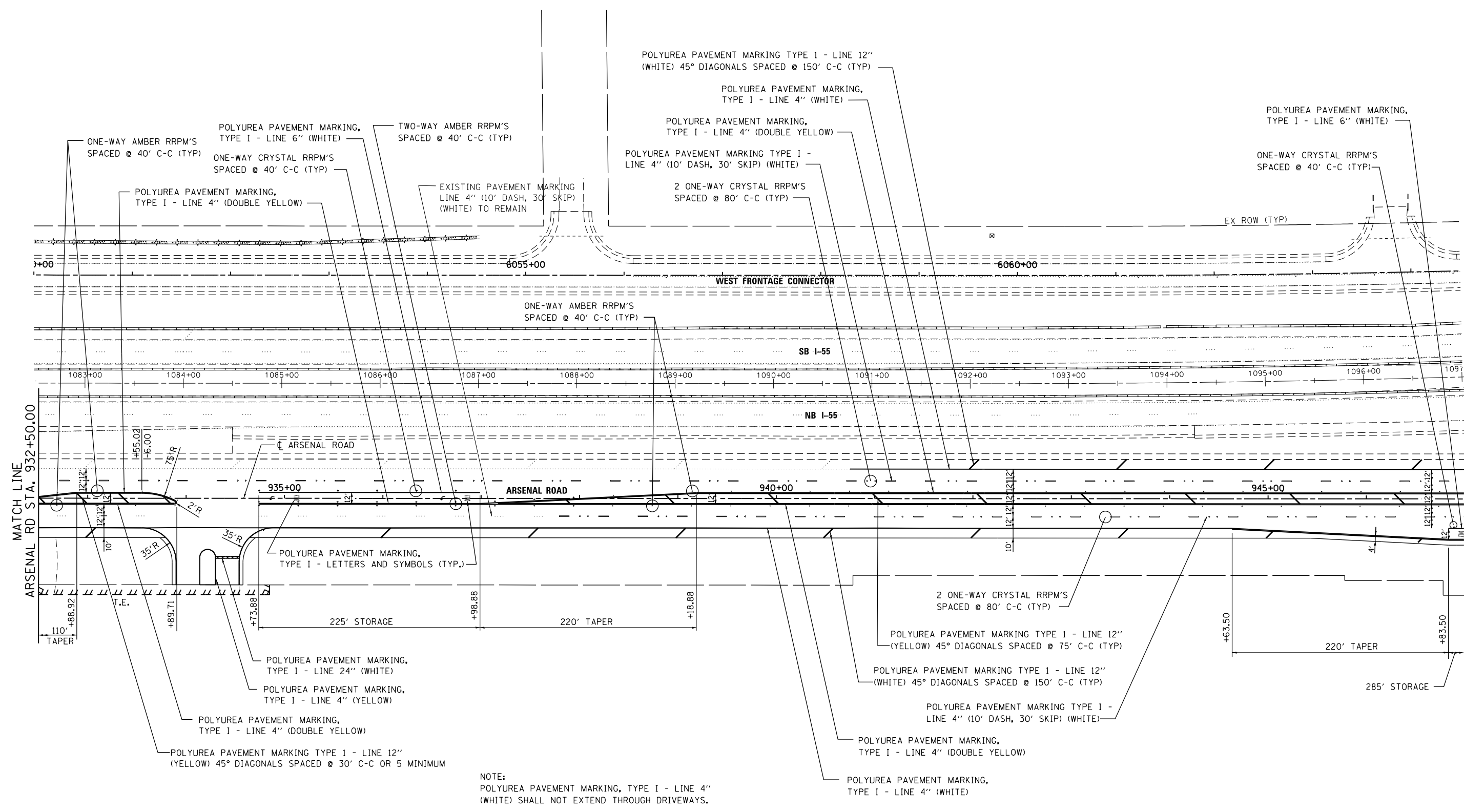
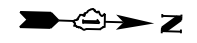
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PLOT DATE = 3/10/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

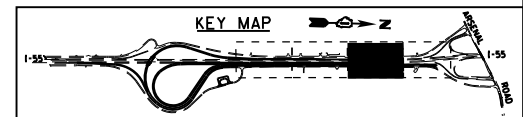
PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET 2 OF 4 SHEETS STA. 918+00.00 TO STA. 932+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	67
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	



NOTE:
 POLYUREA PAVEMENT MARKING, TYPE I - LINE 4"
 (WHITE) SHALL NOT EXTEND THROUGH DRIVEWAYS.



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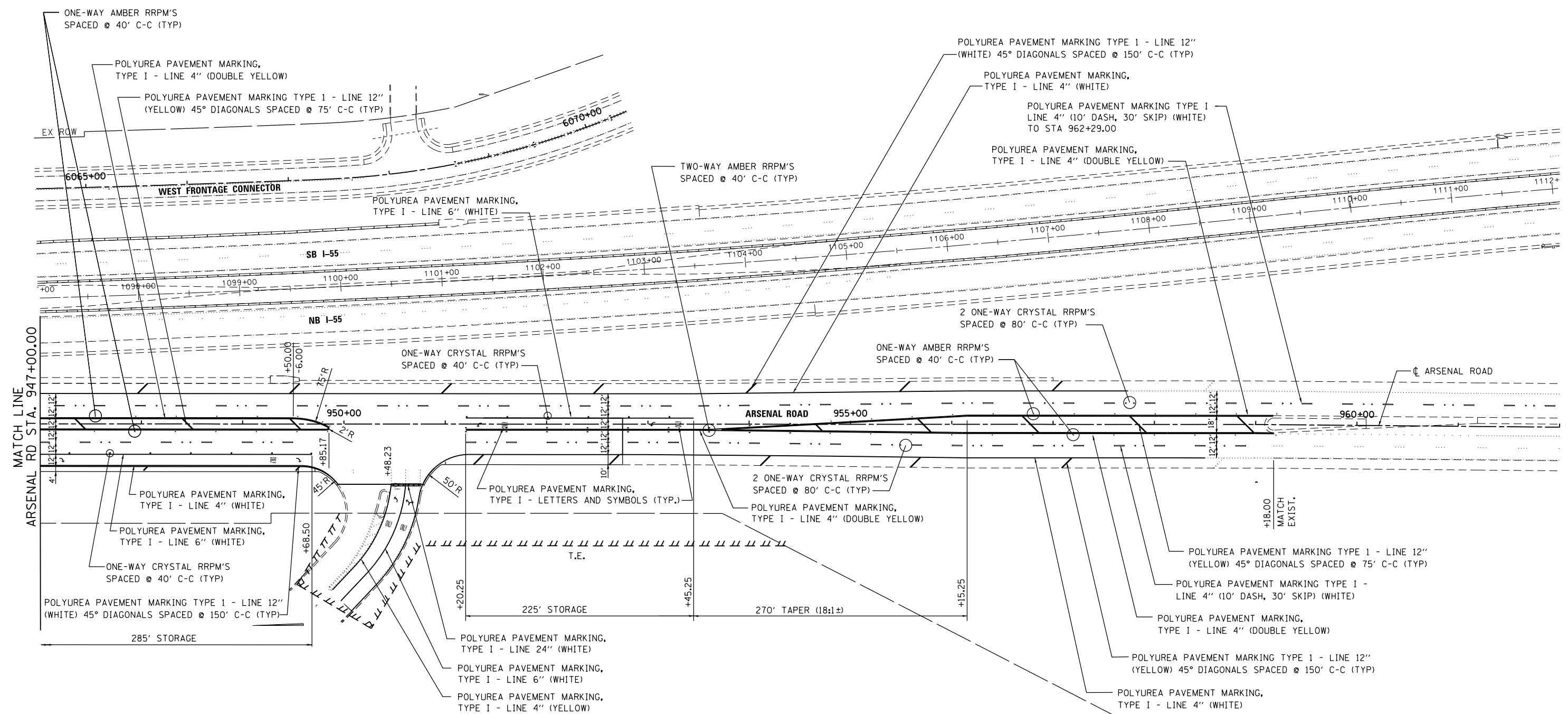
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN

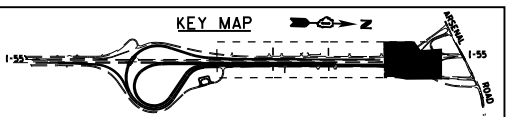
SCALE: 1"=50' SHEET 3 OF 4 SHEETS STA. 932+50.00 TO STA. 947+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	68
				CONTRACT NO. 60P51
ILLINOIS FED. AID PROJECT				



MATCH LINE
ARSENAL RD STA. 947+00.00

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NOTE:
POLYUREA PAVEMENT MARKING, TYPE I - LINE 4" (WHITE) SHALL NOT EXTEND THROUGH DRIVEWAYS.



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MODEL NAME = Default
PLOT SCALE = 100.0000' / in.
PLOT DATE = 3/10/2014

DESIGNED - MAG
DRAWN - JKP/DJW
CHECKED - BMA
DATE - 12-5-12

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET 4 OF 4 SHEETS STA. 947+00.00 TO STA. 962+29.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	69
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	




GENERAL NOTES

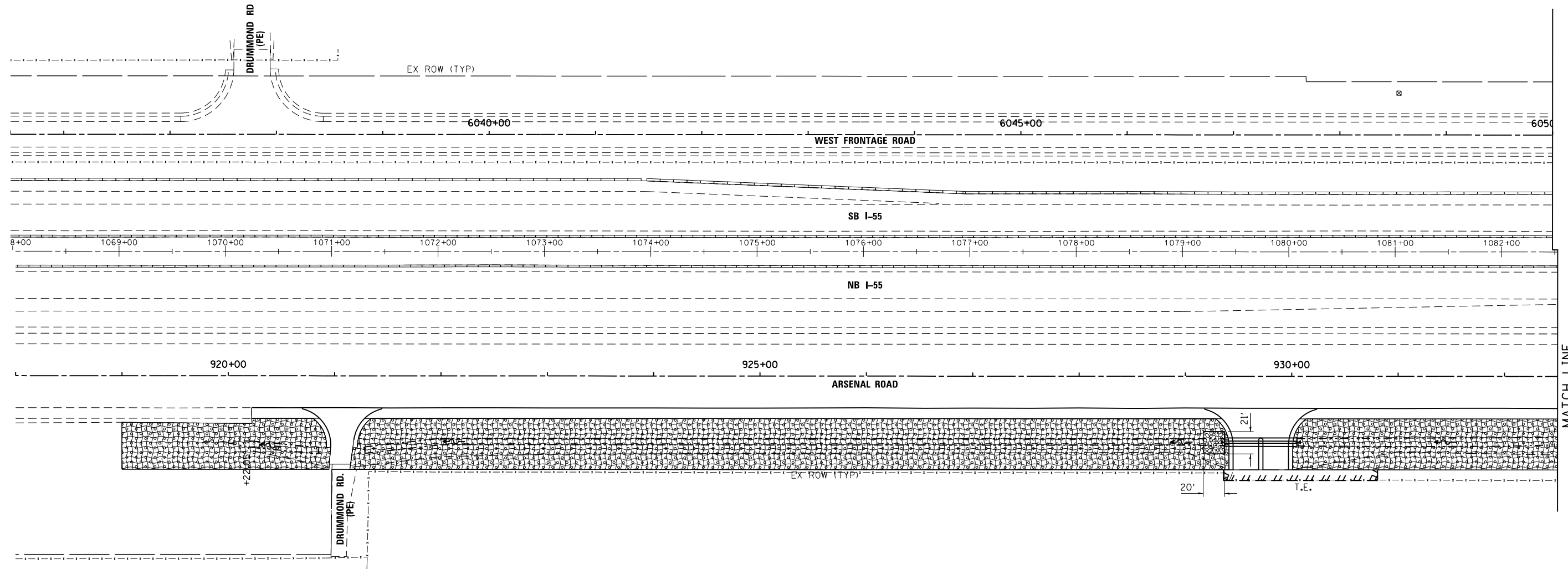
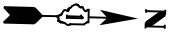
1. THE CONTRACTOR SHALL BE REQUIRED TO INSTALL AND MAINTAIN EROSION CONTROL MEASURES IMMEDIATELY AFTER STRIPPING OF EXISTING VEGETATION.
2. RUNOFF LEAVING THE JOBSITE MUST PASS THROUGH AN EROSION CONTROL SYSTEM FOLLOWING HIGHWAY STANDARD 280001-07.
3. PRIORITY SHALL BE GIVEN TO THE COMPLETION AND STABILIZATION OF THE DISTURBED AREAS. WORK IN THESE AREAS SHALL NOT BE PROLONGED IN AN ATTEMPT THAT ALL FINAL GRADING AND STABILIZATION CAN TAKE PLACE AT ONE TIME.
4. PERMANENT LANDSCAPING ITEMS SHALL BE IMPLEMENTED IN CONJUNCTION WITH CONSTRUCTION STAGING.
5. UNDERBRUSH OR DEBRIS AT PLANTING LOCATIONS SHALL BE REMOVED AND DISPOSED OF ACCORDING TO SECTION 201 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT THE COSTS SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES FOR THE CONSTRUCTION ITEMS INVOLVED, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

6. FERTILIZER NUTRIENTS SHALL BE APPLIED AT THE RATE SPECIFIED IN SECTIONS 250 & 252 OF THE STANDARD SPECIFICATIONS.
7. ALL SEEDING NOT SHOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.

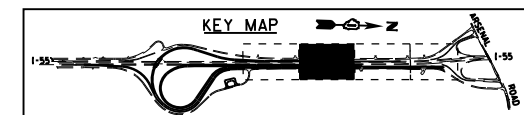
□ DENOTES WORK INCLUDED IN THE COST OF OTHER ITEMS

LANDSCAPING LEGEND

-  SEEDING CLASS 2A
4" TOPSOIL
-  EROSION CONTROL BLANKET
-  STONE RIPRAP, CLASS A3 OR A4



FILE NAME = S:\JOL\6300-6399\6346\045\Microa\CADD Sheets\0160P51-SHT-LANDSCP01.dgn



SA STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

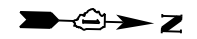
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MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
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PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING AND PERMANENT SEDIMENT &
EROSION CONTROL SHEET**

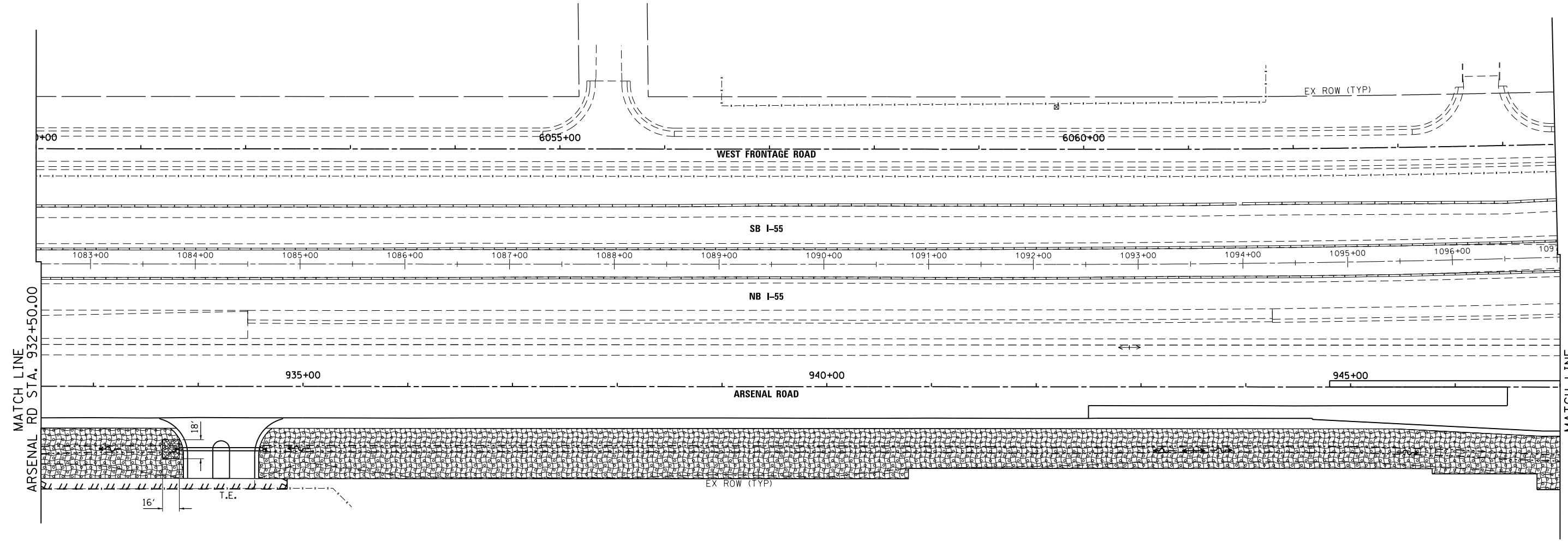
SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. 918+00.00 TO STA. 932+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	70
				CONTRACT NO. 60P51
ILLINOIS FED. AID PROJECT				



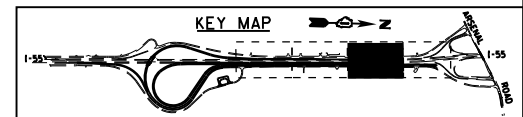
LANDSCAPING LEGEND

- SEEDING CLASS 2A
4" TOPSOIL
- EROSION CONTROL BLANKET
- STONE RIPRAP, CLASS A3 OR A4



MATCH LINE
ARSENAL RD STA. 932+50.00

MATCH LINE
ARSENAL RD STA. 947+00.00



FILE NAME = S:\JOLI_6300-6399\6346_045\Microa\CADD Sheets\0160P51-SHT-LANDSCP02.dgn

	1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = dennisw	DESIGNED - MAG	REVISED -
		MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
		PLOT SCALE = 100.0000' / in.	CHECKED - BMA	REVISED -
		PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -




**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

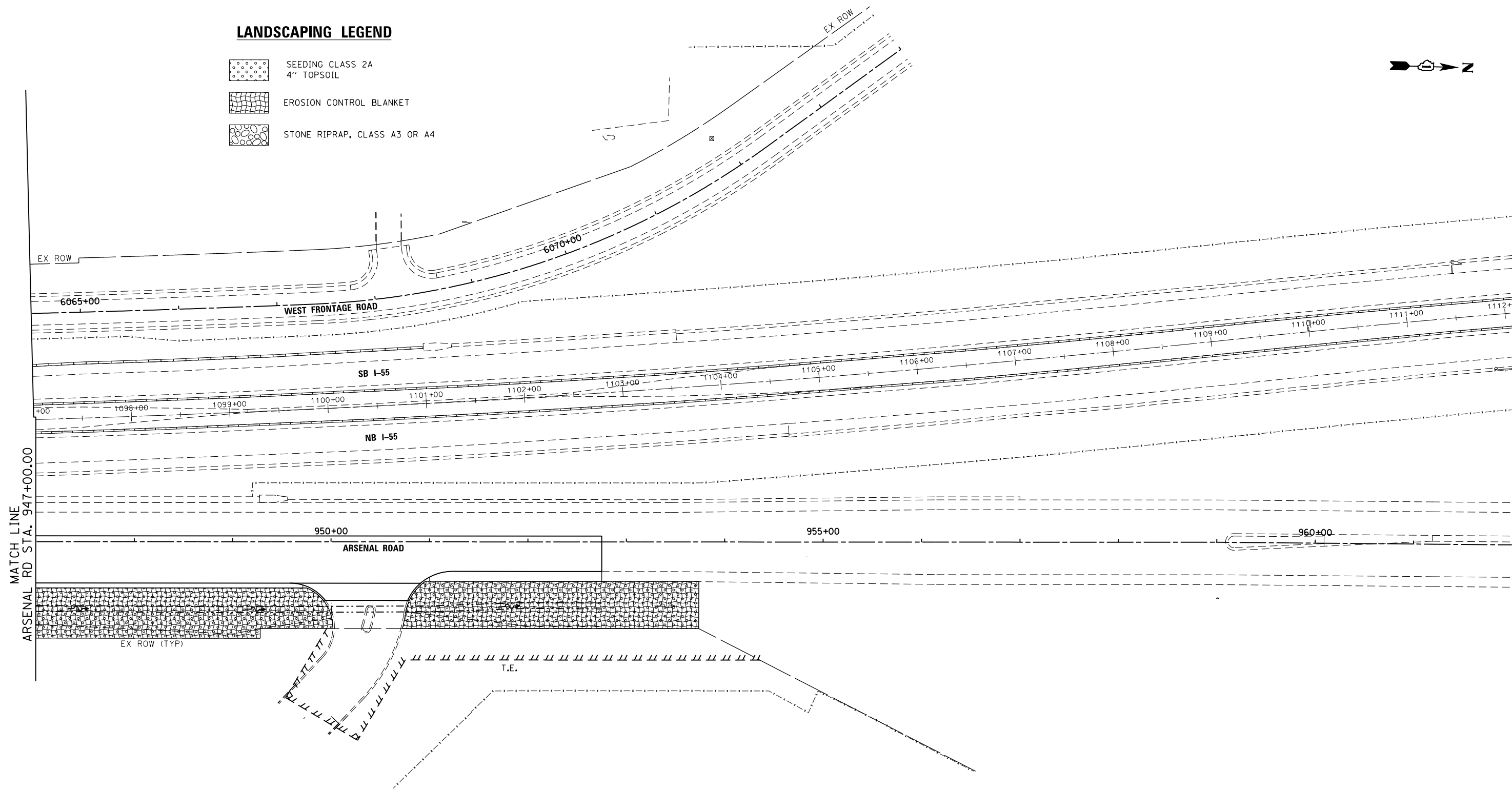
**LANDSCAPING AND PERMANENT SEDIMENT &
EROSION CONTROL SHEET**

SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. 932+50.00 TO STA. 947+00.00

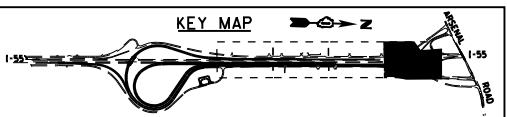
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	71
CONTRACT NO. 60P51				
ILLINOIS FED. AID PROJECT				

LANDSCAPING LEGEND

-  SEEDING CLASS 2A
4" TOPSOIL
-  EROSION CONTROL BLANKET
-  STONE RIPRAP, CLASS A3 OR A4



FILE NAME = S:\JOL\6300-6399\6346\045\Microa\CADD Sheets\0160P51-SHT-LANDSCP03.dgn



SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = dennissw
 MODEL NAME = Default
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 2/18/2014

DESIGNED - MAG
 DRAWN - JKP/DJW
 CHECKED - BMA
 DATE - 12-5-12

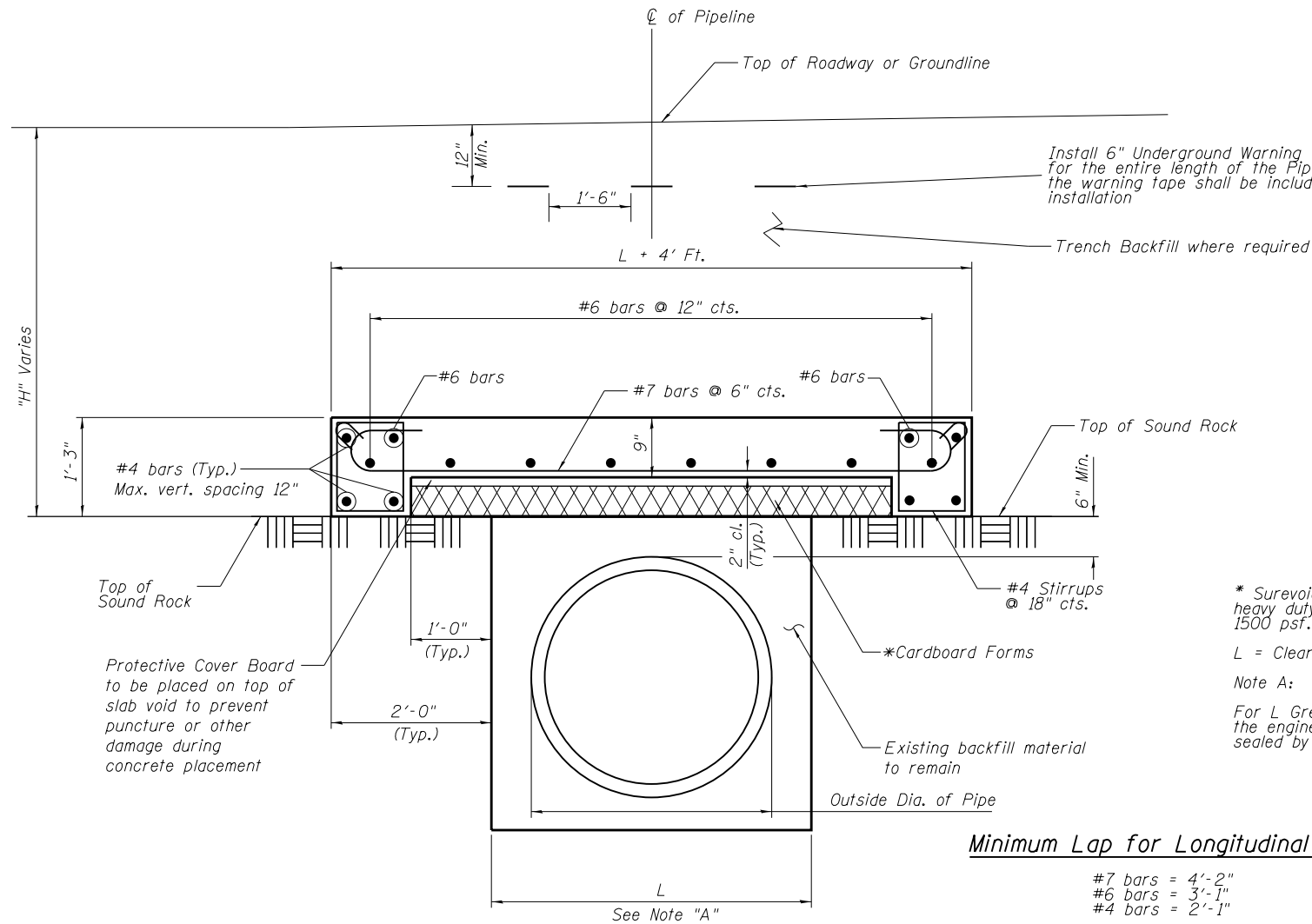
REVISED -
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 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING AND PERMANENT SEDIMENT &
 EROSION CONTROL SHEET**

SCALE: 1"=50' SHEET 3 OF 3 SHEETS STA. 947+00.00 TO STA. 962+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	72
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	



Install 6" Underground Warning Tape - Gas (Identoline or approved equal) for the entire length of the Pipeline Protection Slab crossing. The cost of the warning tape shall be included in the cost of the Utility Protection Pad installation

Trench Backfill where required

DESIGN STRESSES

$f'_c = 3500 \text{ psi}$
 $f_y = 60,000 \text{ psi (Reinforcement)}$

DESIGN LOADING

HS20-44

NOTES:

This slab has been designed for earth fill and a live load of HS20-44. If any construction equipment the Contractor uses has a greater loading than HS20-44, obtain approval from the Engineer for a redesigned slab, sealed by a licensed Structural Engineer in Illinois.

This Slab has been designed as applicable to the given dimensions. The Engineer must verify the dimensions are satisfied before materials have been ordered.

* Surevoid Products, Inc. Slab void heavy duty strength working load of 1500 psf. End caps required or approved equal.

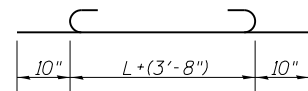
L = Clear Span = Width of Trench

Note A: Use this design for L=7'-0" or less.

For L Greater than 7'-0", Contractor should provide the engineer for approval, a redesign of the slab, sealed by a licensed Structural Engineer in Illinois.

Minimum Lap for Longitudinal Bars

- #7 bars = 4'-2"
- #6 bars = 3'-1"
- #4 bars = 2'-1"



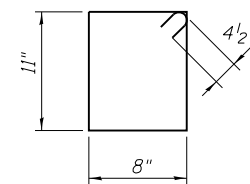
#7 Bars

Note: Tilt hook to provide the specified clearance

****UTILITY PROTECTION PAD FOR EXISTING PIPELINES**

Design in accordance with title 49-Part 192 Minimum Federal Safety Standards and ASME Guide for Gas Piping Systems, Latest Edition.

**Will be paid for under the item "Utility Protection Pad"

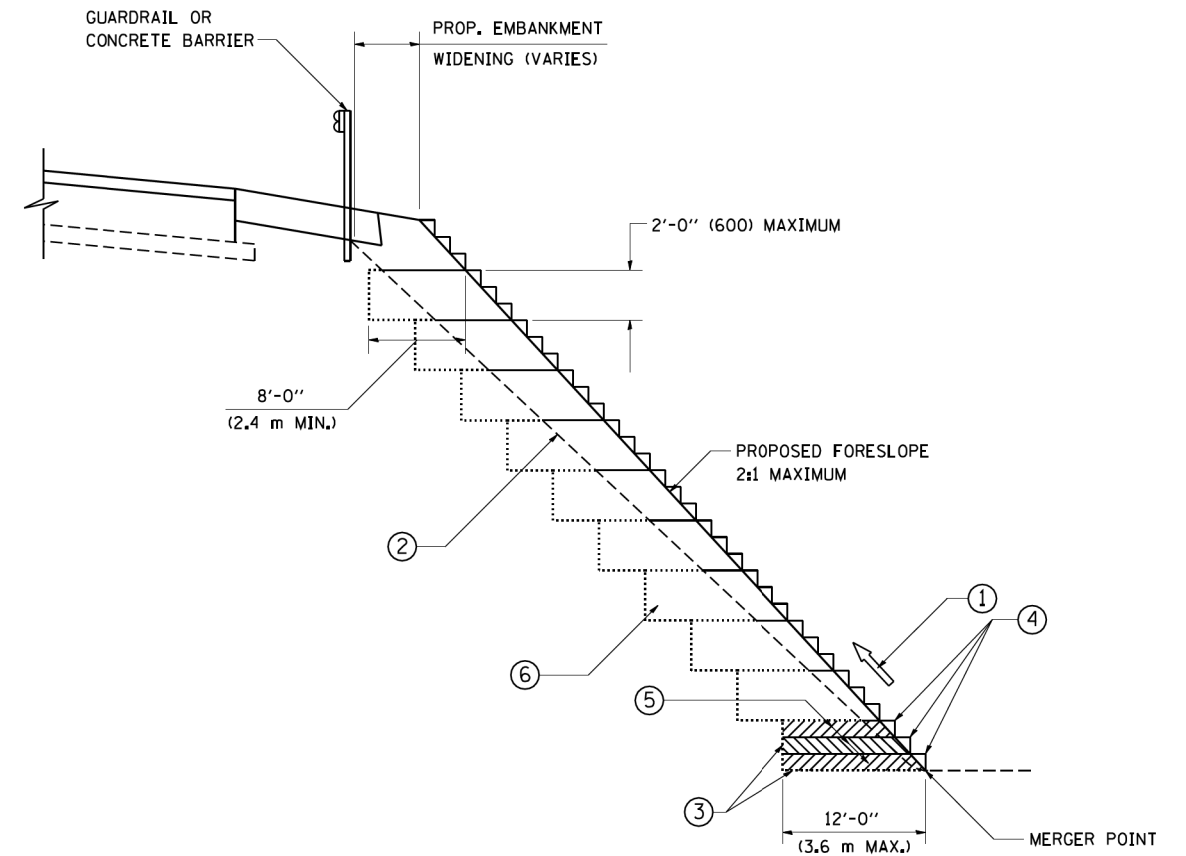


#4 Stirrups

FILE NAME = SA\JOL\6300-6399\6346-045\Micros\CADD Sheets\0160P51-SHT-DETAILS\01.dgn

USER NAME =	DESIGNED - MAG	REVISED
MODEL NAME = Default	CHECKED - BMA	REVISED
PLOT SCALE =	DRAWN - DJW	REVISED
PLOT DATE =	DATE - 12-5-12	REVISED

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	73
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

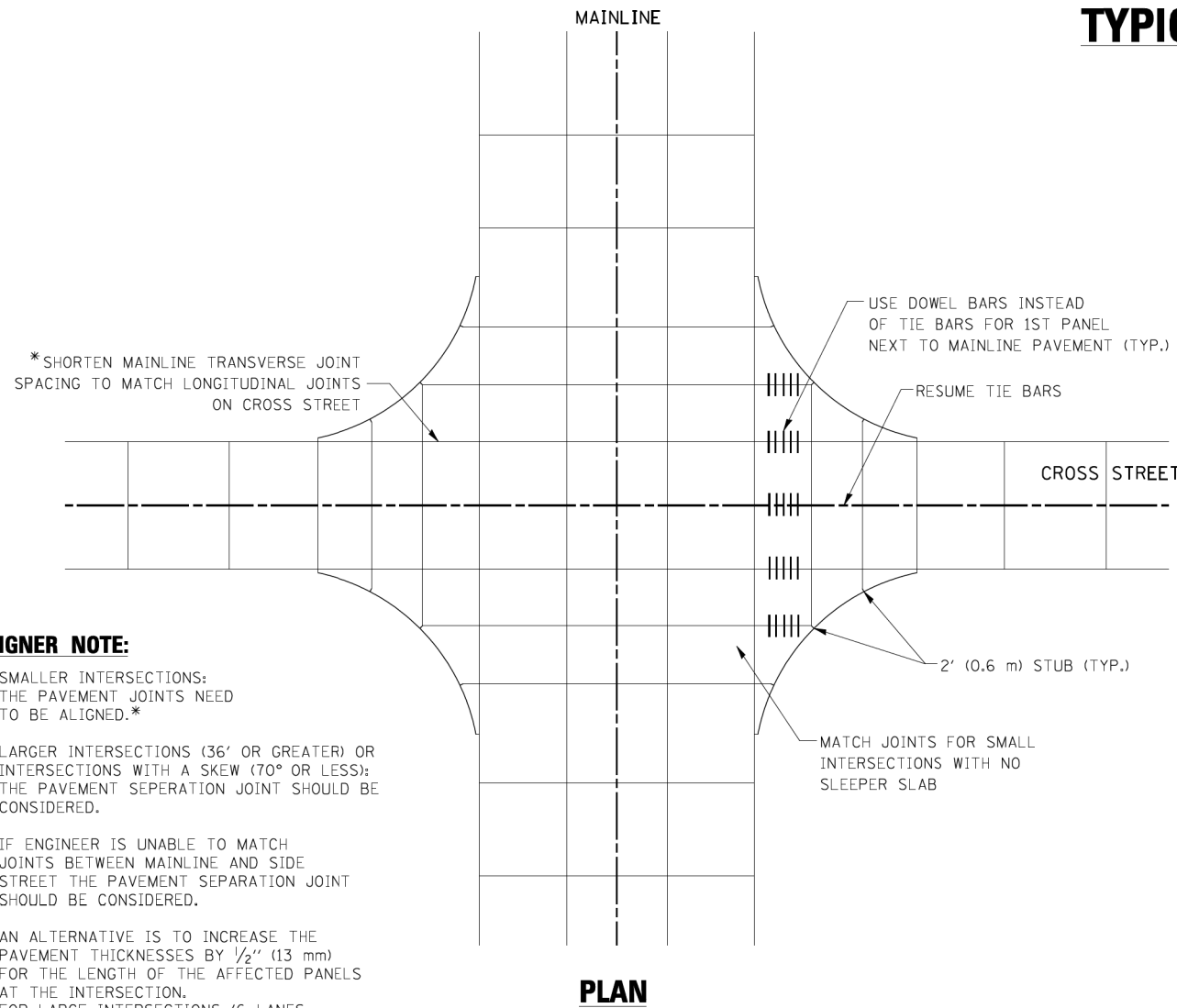
- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\bd51.dgn	USER NAME = gegl1enobt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BENCHING DETAIL FOR EMBANKMENT WIDENING			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	PLOT SCALE = 50.0000' / IN.	CHECKED - S.E.B.	REVISED -		SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	55	99-IAC-2	WILL	102
PLOT DATE = 1/4/2008	DATE - 06-16-04	REVISED -	REVISED -					BD-51		CONTRACT NO. 60P51				
												FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

TYPICAL APPLICATION

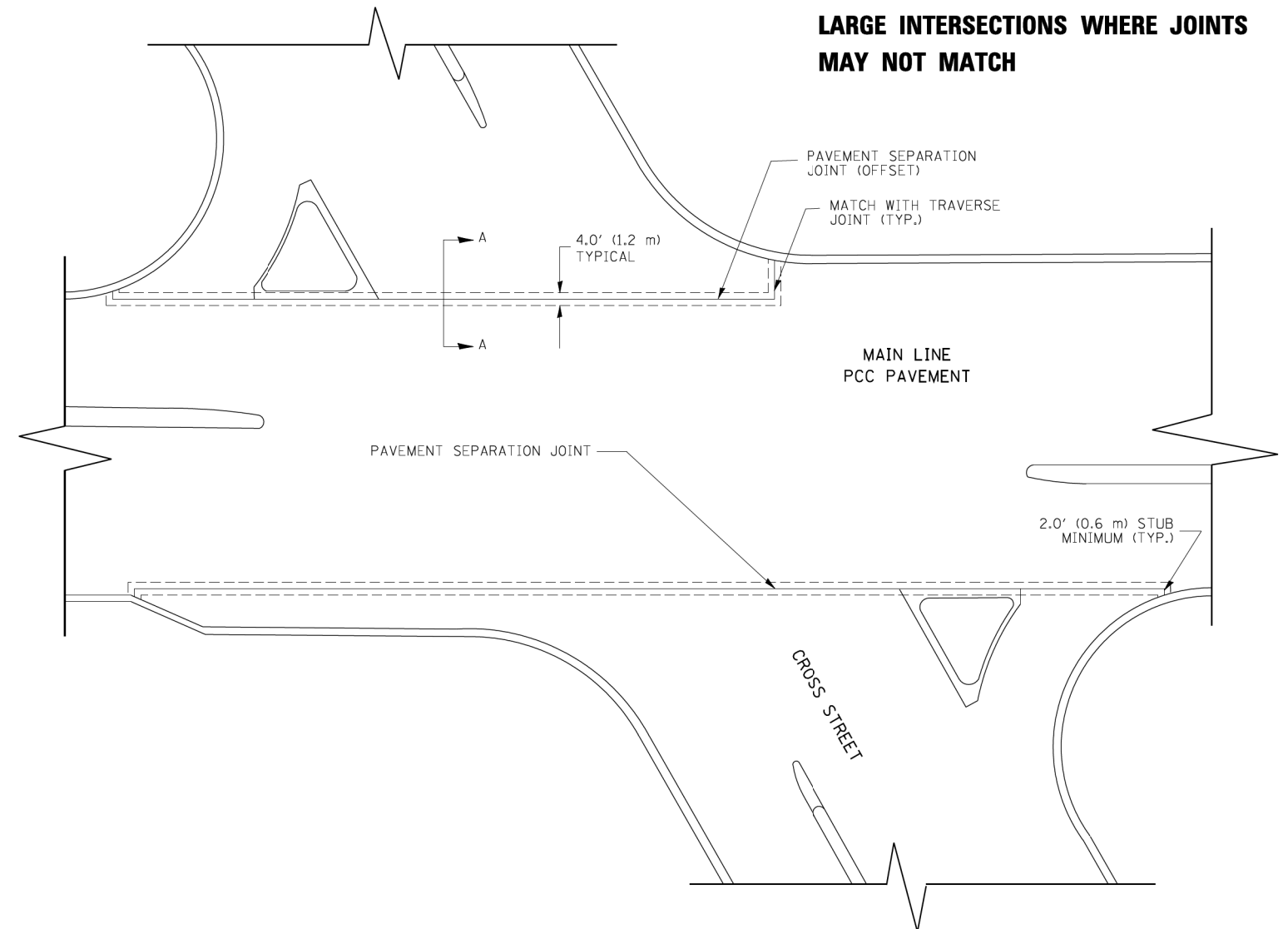
THE USE OF CROSS STREET PAVEMENT SEPARATION JOINTS FOR SKEWED OR LARGE INTERSECTIONS WHERE JOINTS MAY NOT MATCH



PLAN

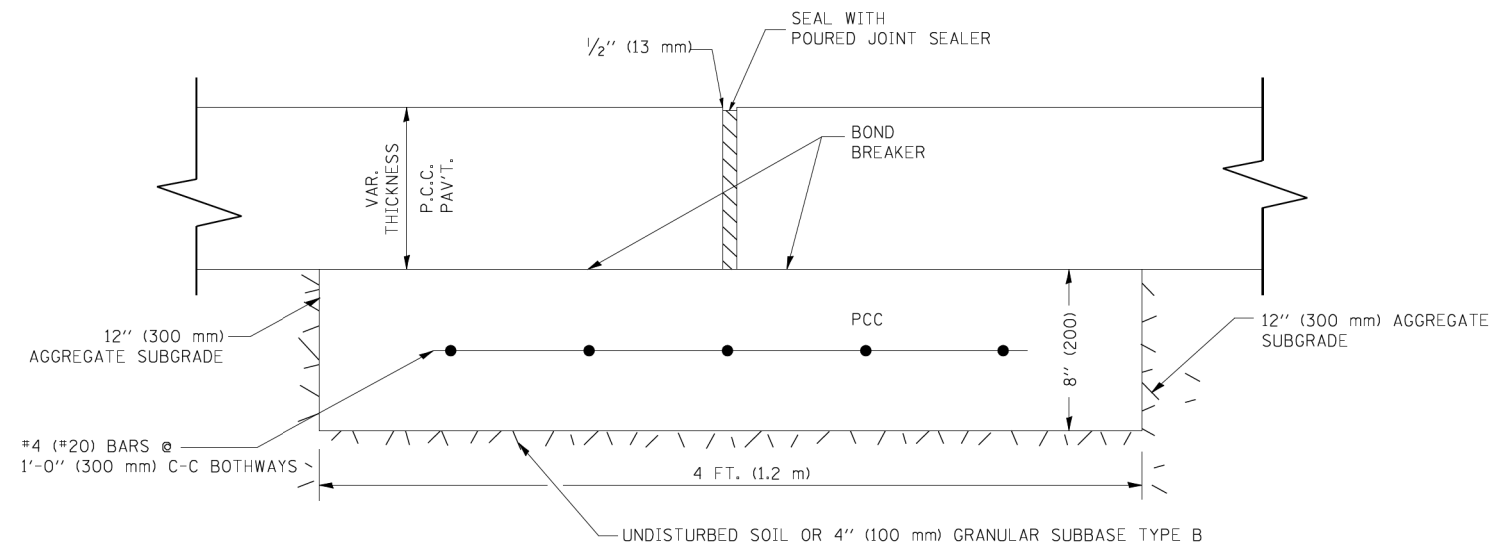
DESIGNER NOTE:

1. SMALLER INTERSECTIONS: THE PAVEMENT JOINTS NEED TO BE ALIGNED.*
2. LARGER INTERSECTIONS (36' OR GREATER) OR INTERSECTIONS WITH A SKEW (70° OR LESS): THE PAVEMENT SEPERATION JOINT SHOULD BE CONSIDERED.
3. IF ENGINEER IS UNABLE TO MATCH JOINTS BETWEEN MAINLINE AND SIDE STREET THE PAVEMENT SEPARATION JOINT SHOULD BE CONSIDERED.
4. AN ALTERNATIVE IS TO INCREASE THE PAVEMENT THICKNESSES BY 1/2" (13 mm) FOR THE LENGTH OF THE AFFECTED PANELS AT THE INTERSECTION.
5. FOR LARGE INTERSECTIONS (6 LANES OR MORE) WHERE JOINTS CAN BE MATCHED, USE #8 (25) DOWEL BARS INSTEAD OF #8 (25) TIE BARS AT EDGE OF MAINLINE PAVEMENT WHEN NO PAVEMENT SEPARATION JOINTS USED.



NOTE:

1. JOINT FILLER SHALL CONSIST OF A SHEET OF 1/2" (13 mm) BITUMINOUS PREFORMED FIBER JOINT FILLER CONFORMING TO ARTICLE 1051.03 OF THE STANDARD SPECIFICATIONS.
2. THE JOINT SHALL BE SEALED WITH A HOT POUR JOINT SEALER CONFORMING TO ARTICLE 1050.02 OF THE STANDARD SPECIFICATIONS.
3. A SINGLE LAYER OF FELT ROOFING PAPER SHALL SERVE AS A BOND BREAKER.
4. JOINT SHALL CONTINUE THROUGH COMBINATION CURB & GUTTER OR PCC SHOULDER.
5. PAVEMENT SEPARATION JOINT IS TO BE PAID FOR AS "SLEEPER SLAB" AND IS TO BE MEASURED IN PLACE BY THE LINEAL FOOT.
6. BOND BREAKER AND 1/2" (13 mm) JOINT AND FILLER SHALL BE INCIDENTAL TO THE PAY ITEM "SLEEPER SLAB".



PROPOSED SECTION A-A

FILE NAME = SA\JOL\6300-6399\6346\045\Microa\CADD Sheets\0160P51-SHT-DISTANDARD-DET-2.dgn



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MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
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PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

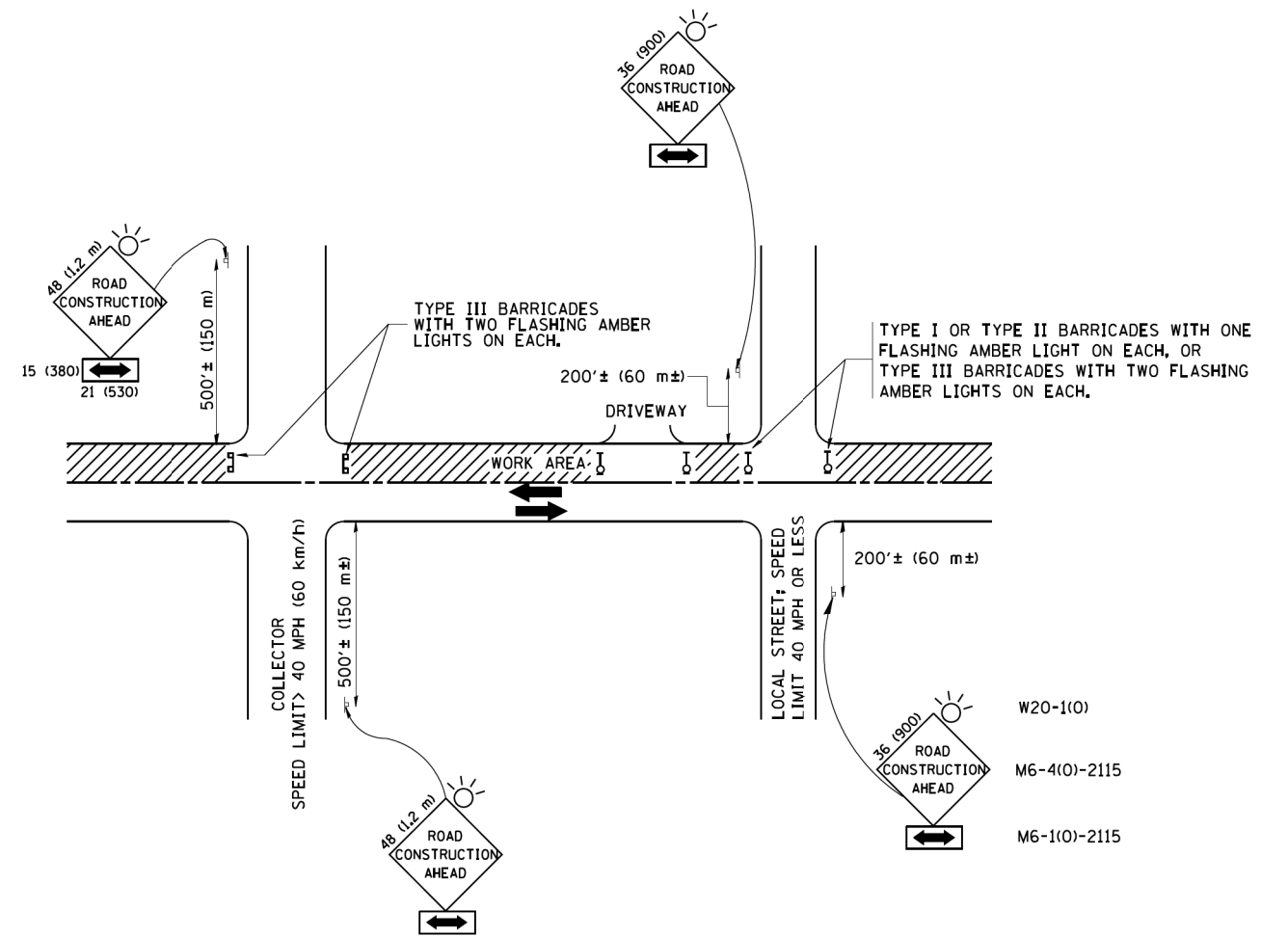
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DRAWN - JKP/DJW	REVISED -
CHECKED - BMA	REVISED -
DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF PAVEMENT SEPARATION
JOINT FOR JOINTED PCC PAVEMENTS AT INTERSECTIONS**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	75
BD-52		CONTRACT NO. 60P51		
ILLINOIS FED. AID PROJECT				



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in millimeters (Inches) unless otherwise shown.

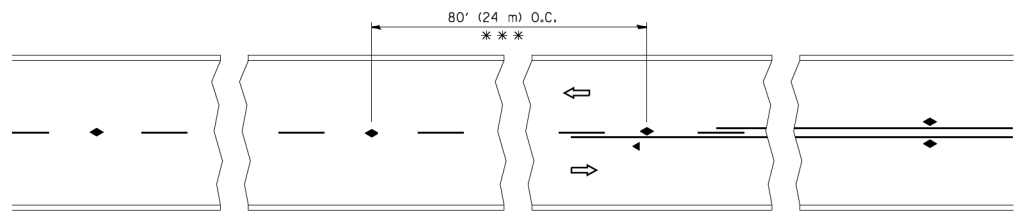
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		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACH 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

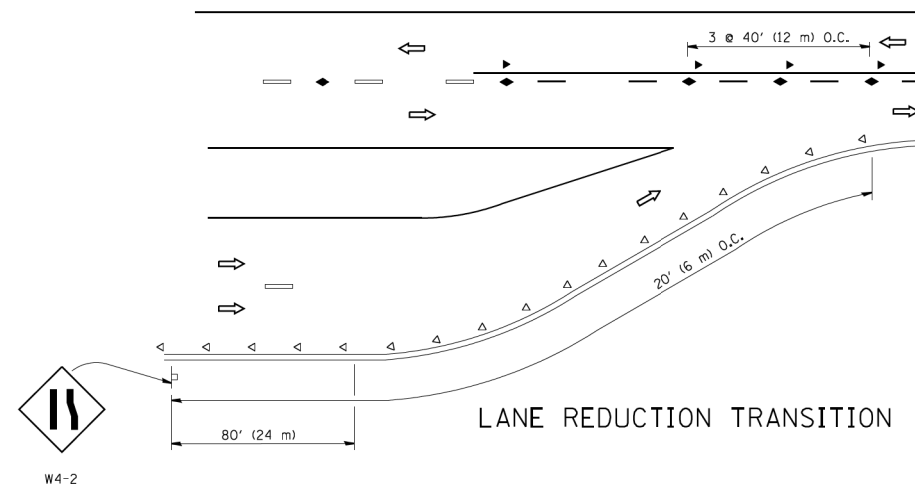
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 60P51	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

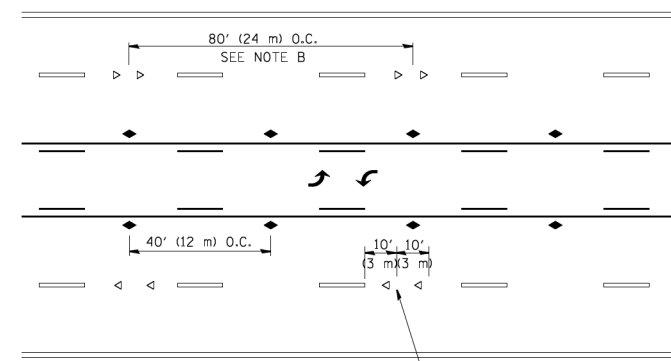


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

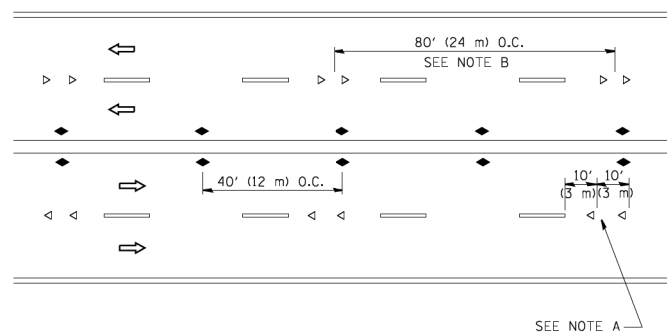
TWO-LANE/TWO-WAY



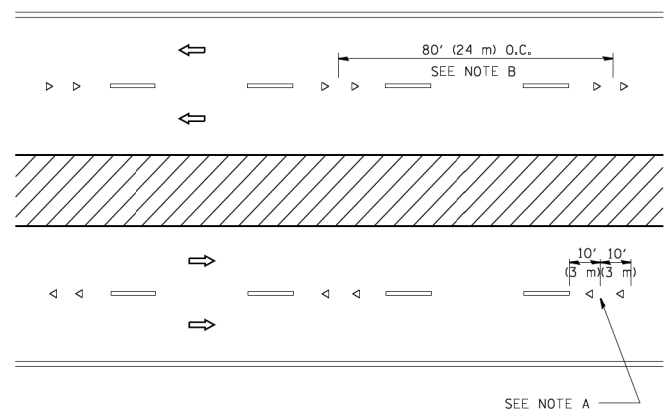
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

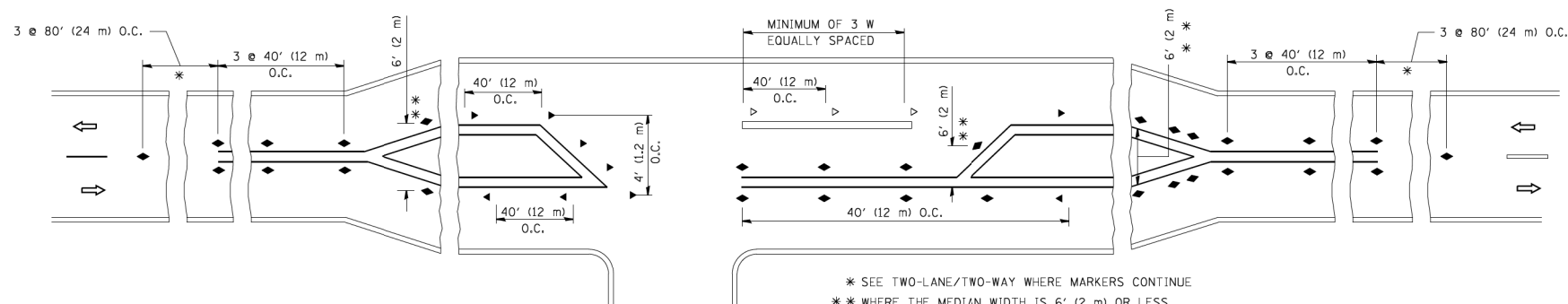
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

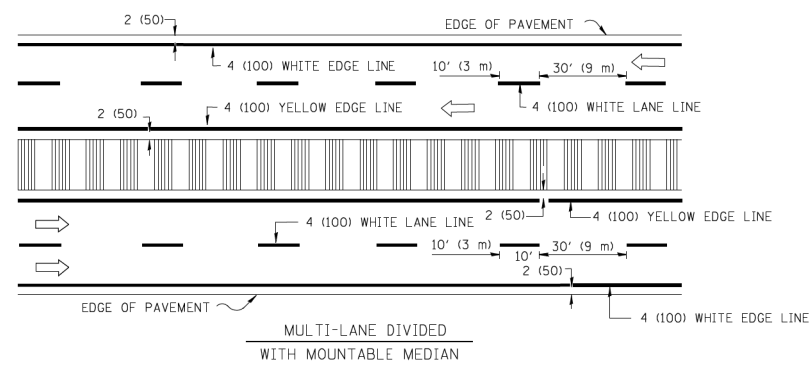
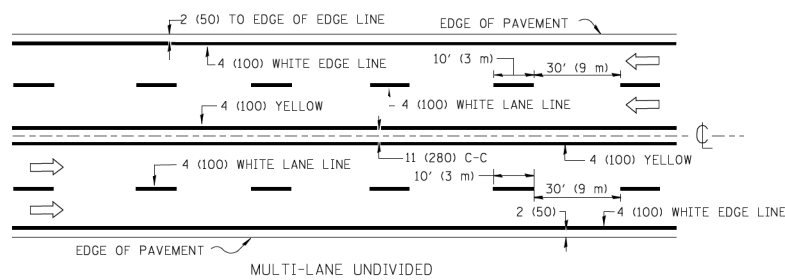
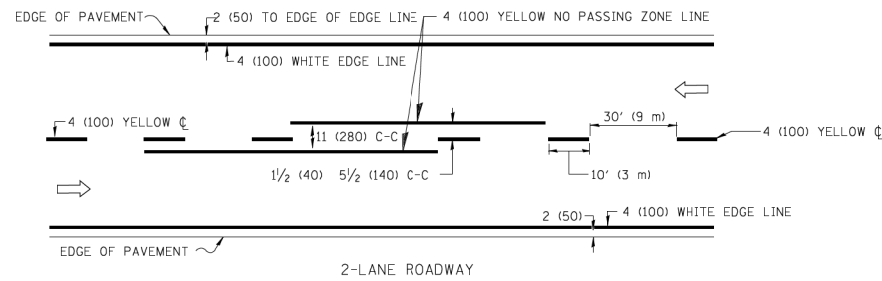


LEFT TURN

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

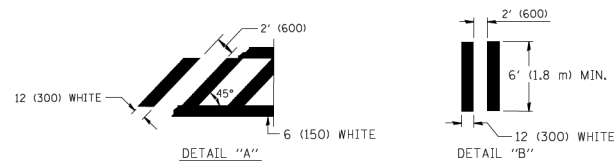
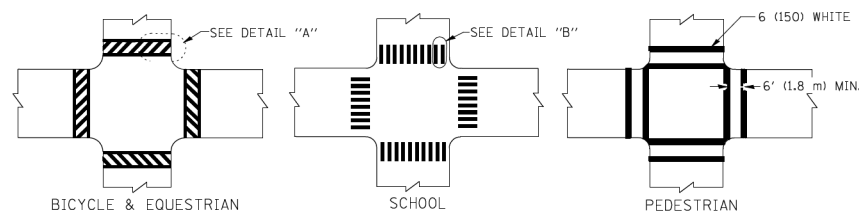
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = lveysa	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pki\work\pki\dot\lveysa\d0108315\tcl1.dgn		DRAWN -	REVISED - T. RAMMACHER 03-12-99		55	99-IAC-2	WILL	102	77			
		PLOT SCALE = 50.000' / IN.	REVISED - T. RAMMACHER 01-06-00		TC-11			CONTRACT NO. 60P51				
		PLOT DATE = 3/2/2011	REVISED - C. JUCIUS 09-09-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

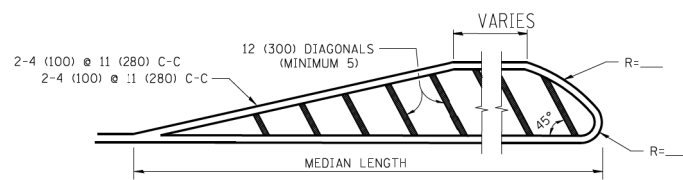
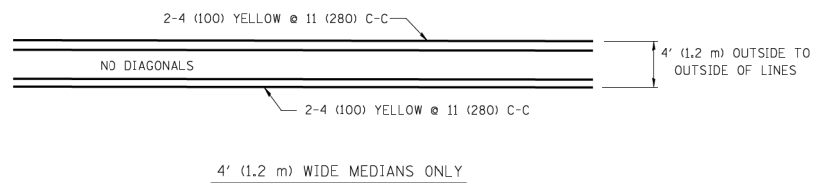


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



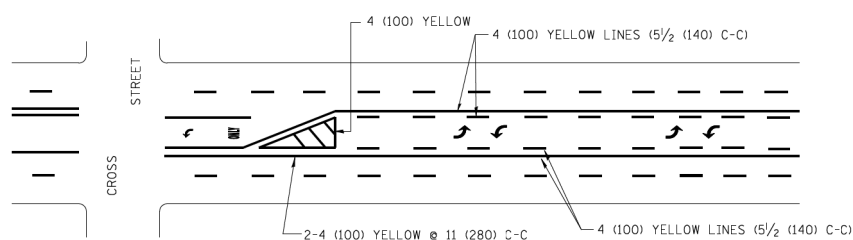
TYPICAL CROSSWALK MARKING



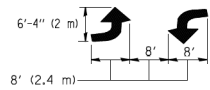
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

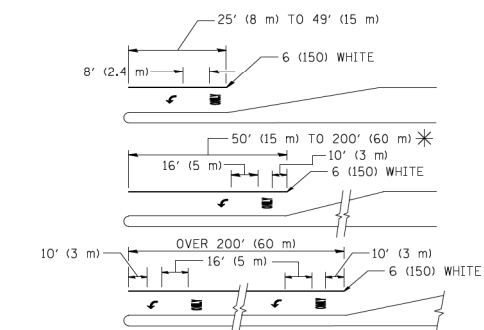


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

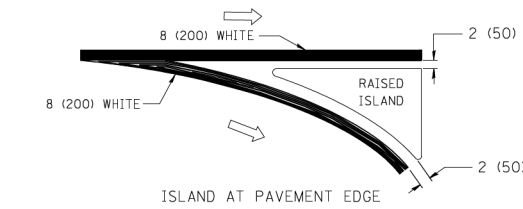
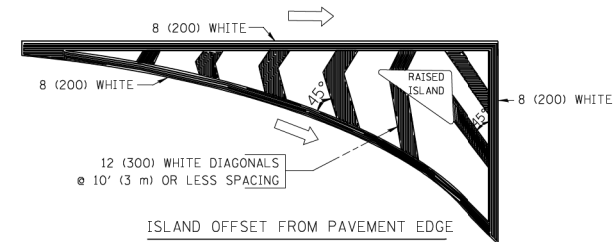


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

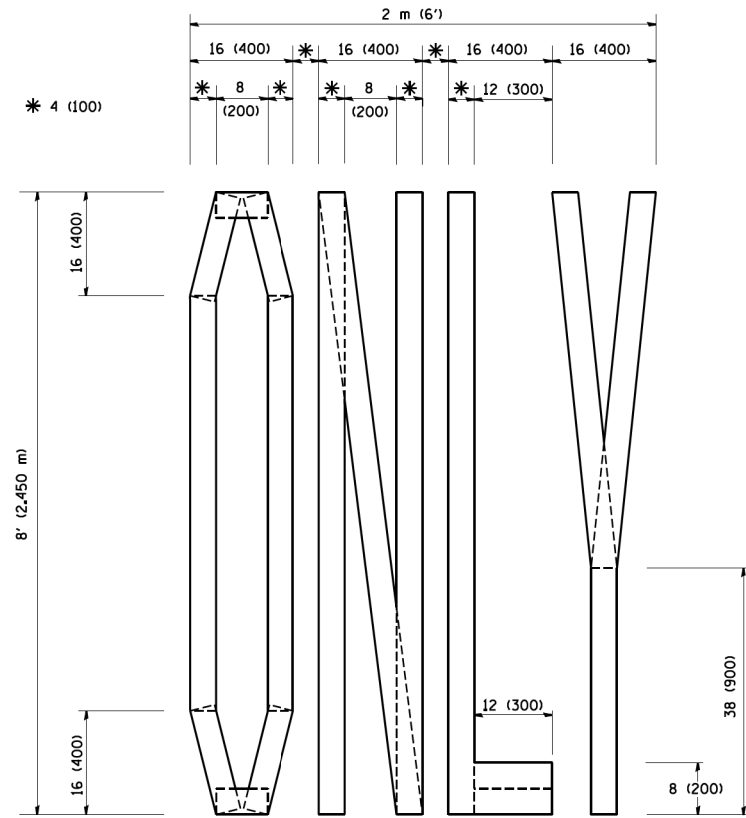
All dimensions are in inches (millimeters) unless otherwise shown.

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		DRAWN -	REVISED - C. JUCIUS 09-09-09
	PLOT SCALE = 50.000 / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

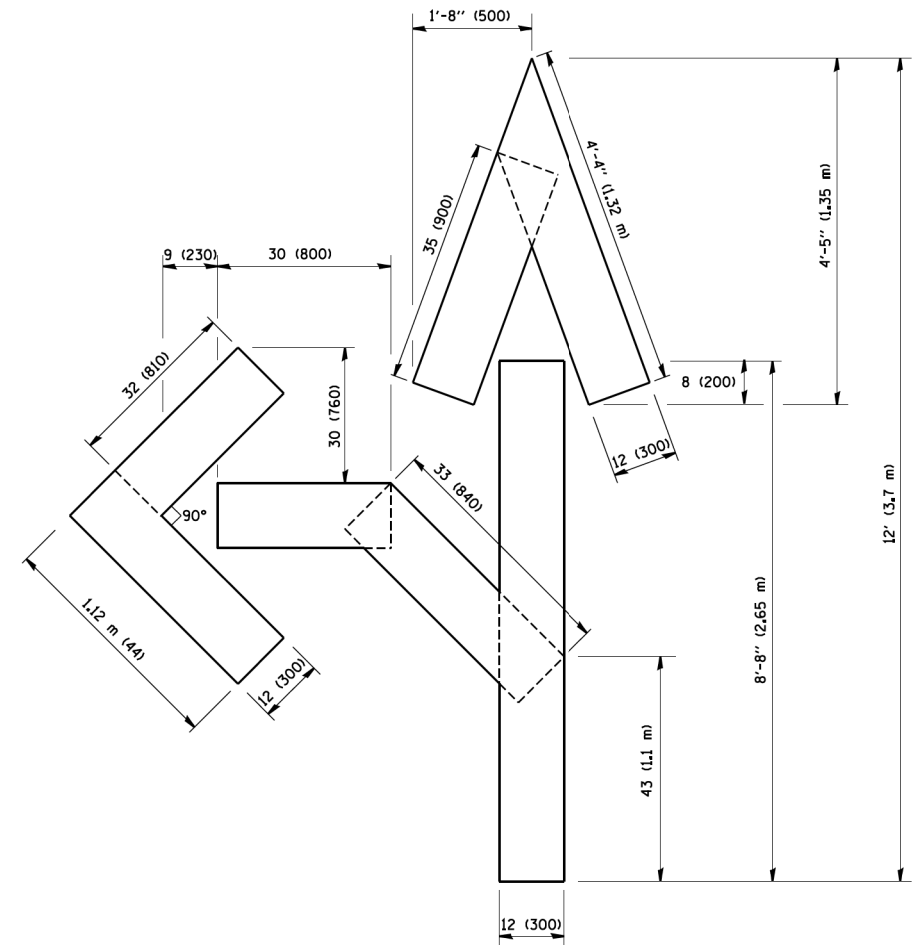
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

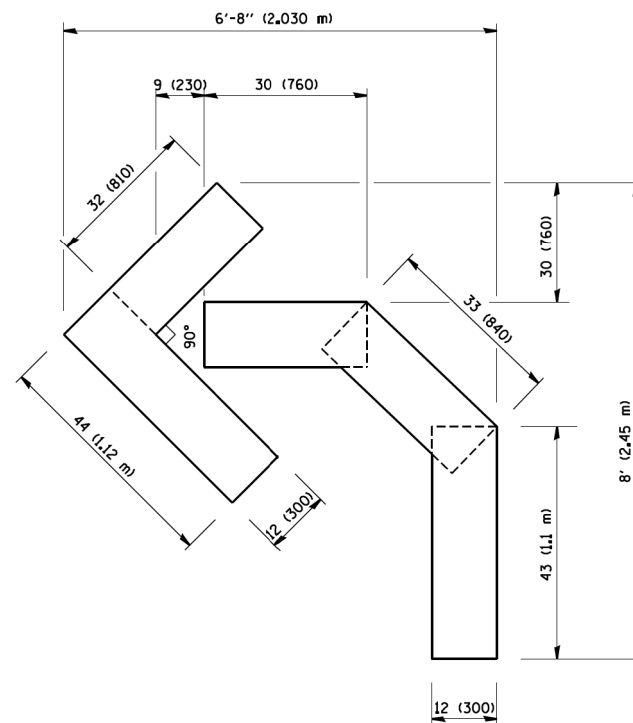
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	78
TC-13		CONTRACT NO. 60P51		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = W:\diststd\22x34\tel6.dgn	USER NAME = geglennobt	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
		DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000 / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

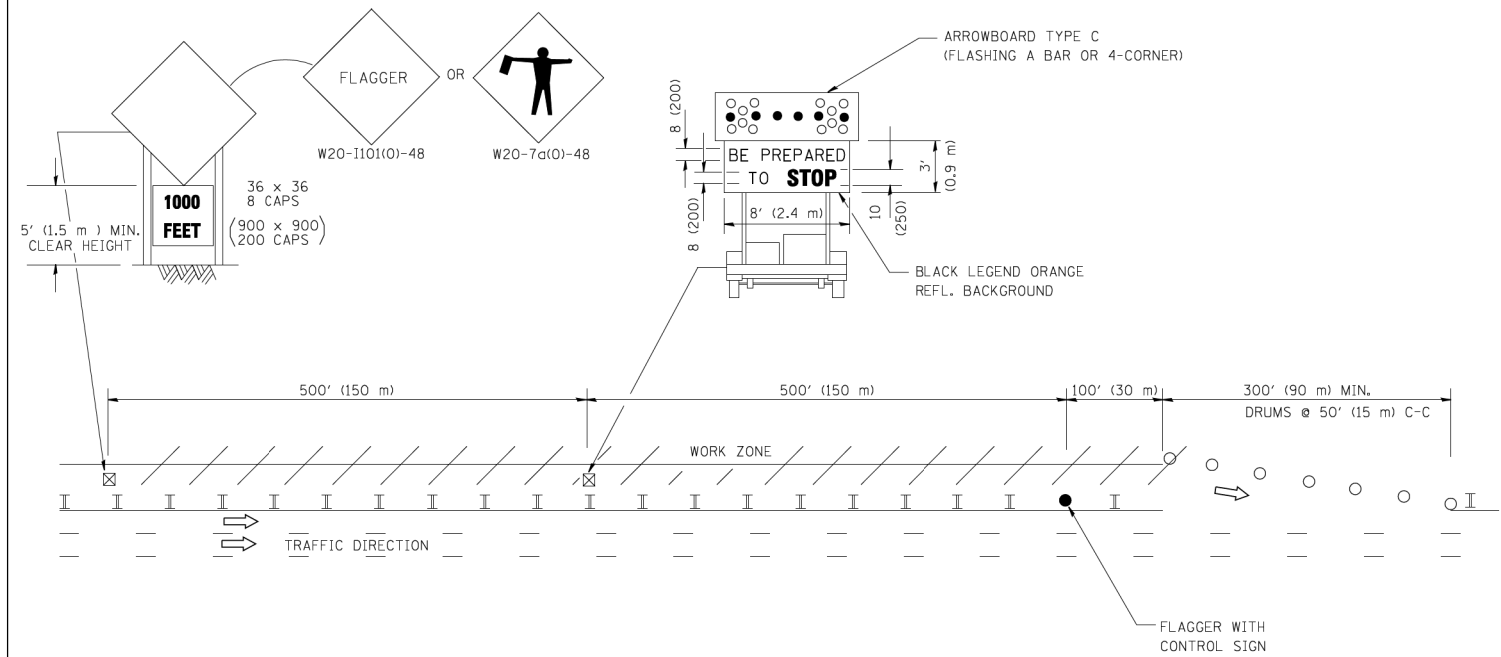
PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

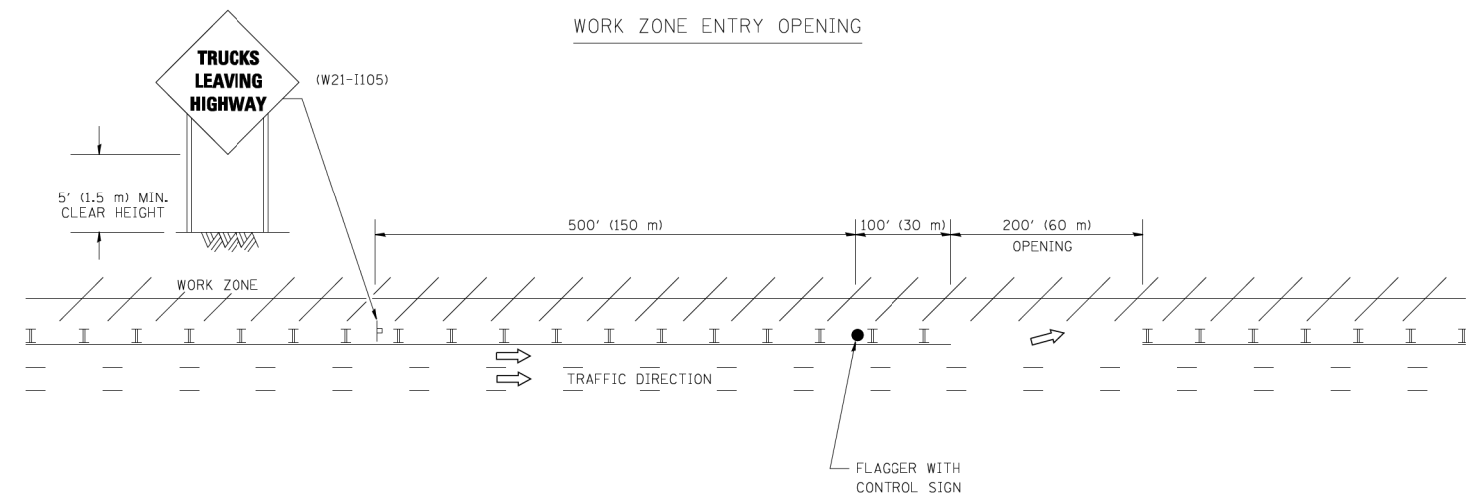
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	79
TC-16		CONTRACT NO. 60P51		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. THE ARROWBOARD, THE FLAGGER AHEAD SIGN AND THE TRUCKS LEAVING HIGHWAY SIGN SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE EXIT OPENINGS SHOULD BE A MINIMUM OF ONE HALF MILE APART.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

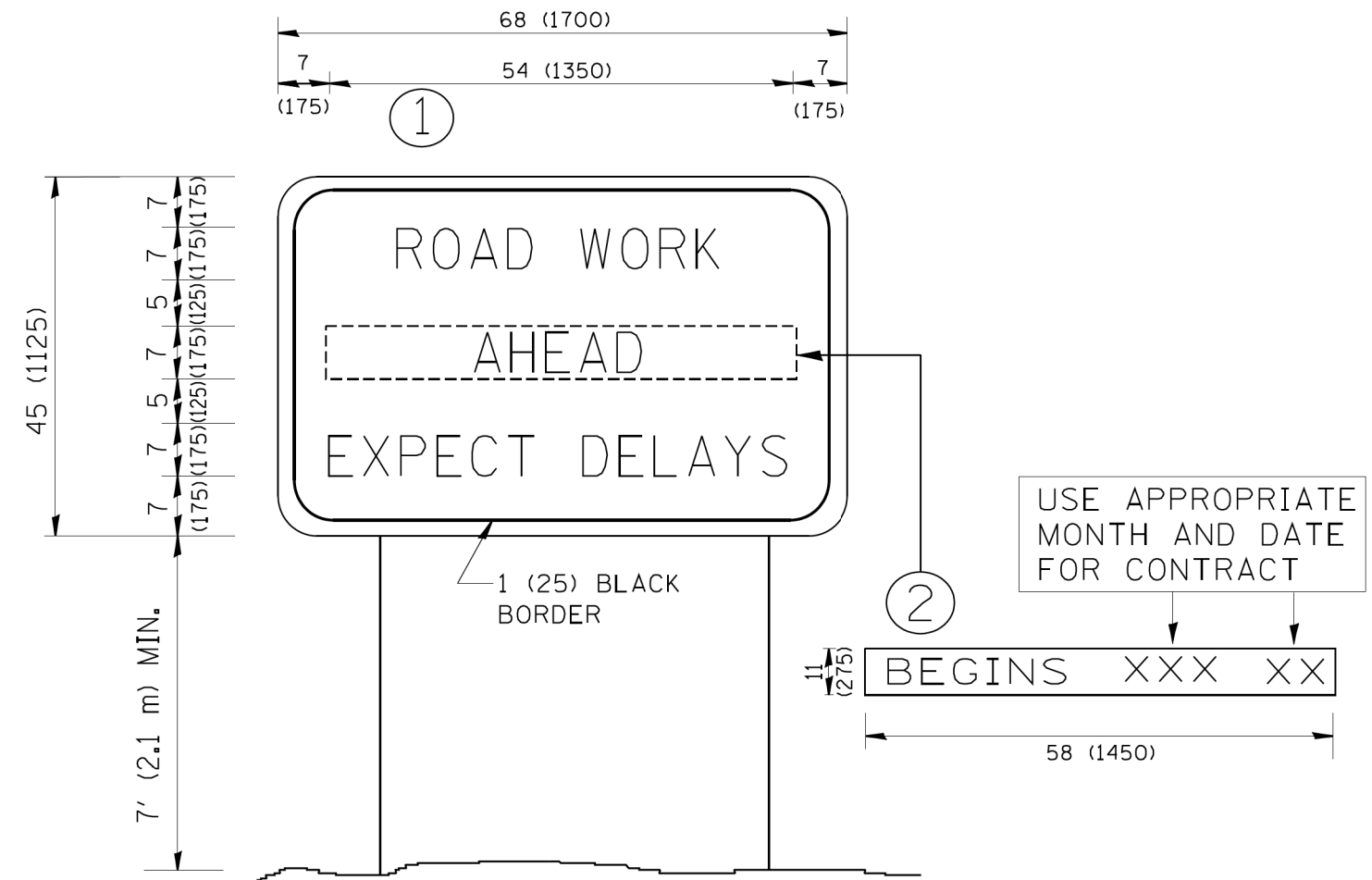
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	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - S.P.B. 01-07
	PLOT DATE = 1/26/2010	DATE -	REVISED - S.P.B. 12-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING FOR FLAGGING OPERATIONS
AT WORK ZONE OPENINGS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	80
TC-18			CONTRACT NO. 60P51	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

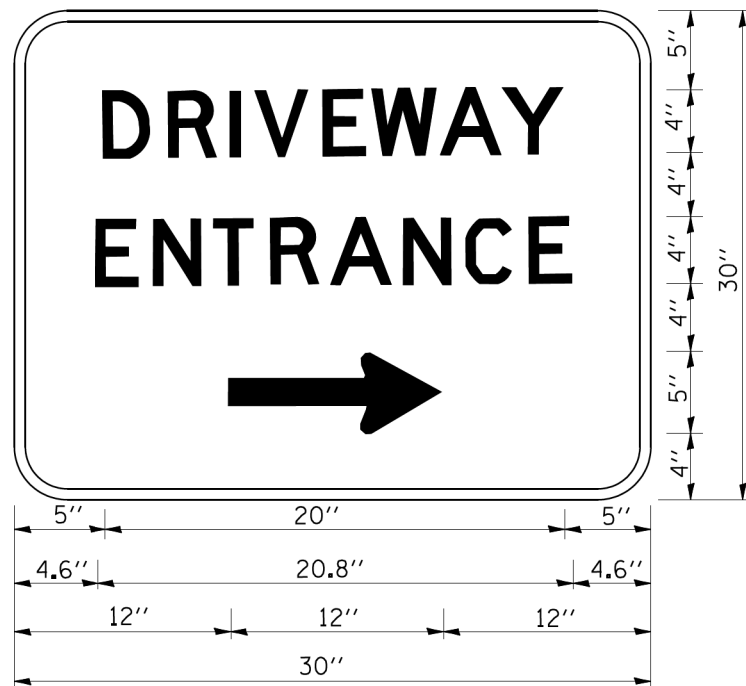
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		DRAWN -	REVISED - R, MIRS 12-11-97
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	81
TC-22		CONTRACT NO. 60P51		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
 PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN)
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

FILE NAME = W:\distatd\22x34\te26.dgn	USER NAME = gegl1enobt	DESIGNED -	REVISED - C. JUCIUS 02-15-07
		DRAWN -	REVISED -
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

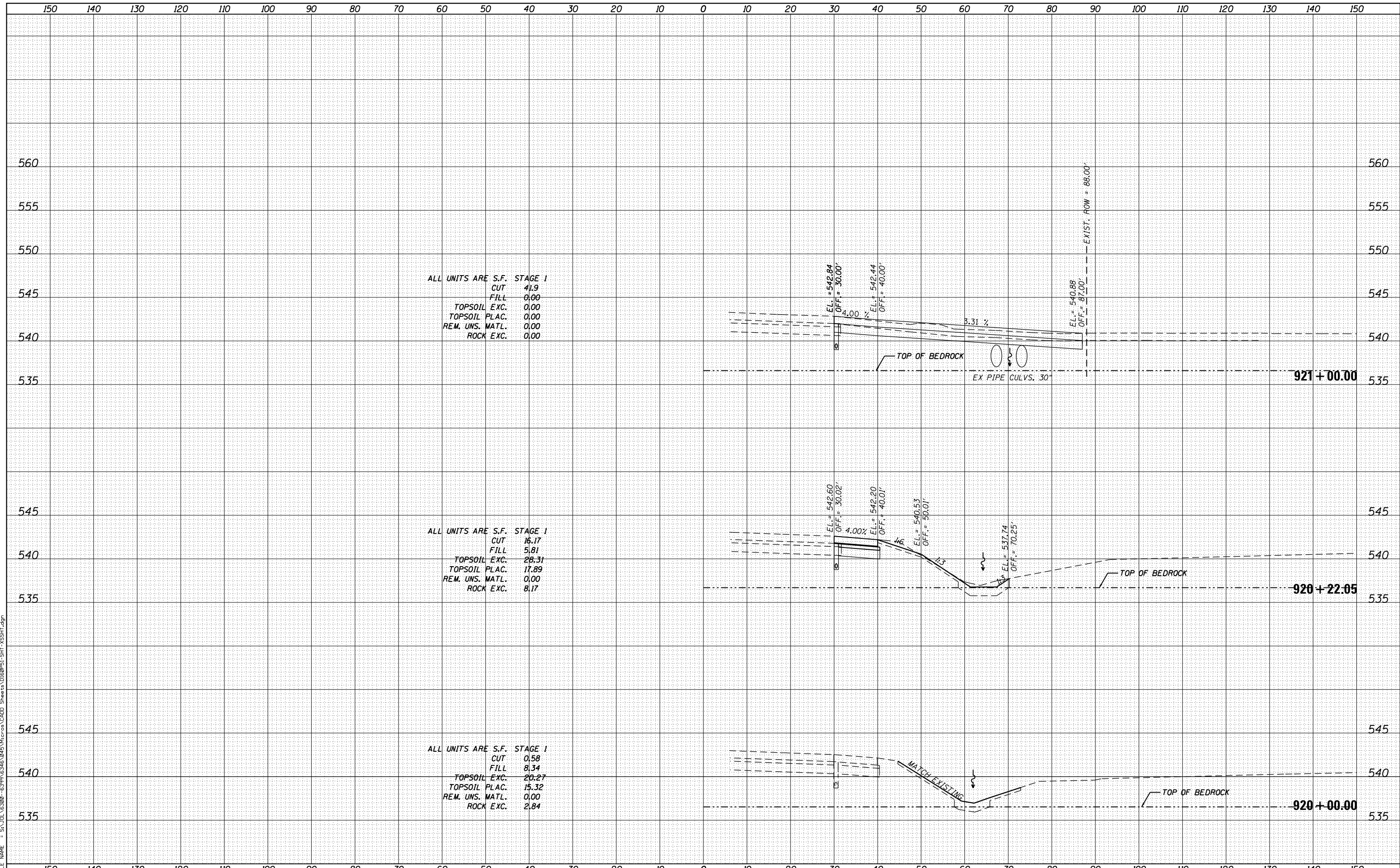
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	82
TC-26			CONTRACT NO. 60P51	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

FILE NAME = S:\JL\63800-6399\6346\045\Work\CAD_Sheets\0160P51_SHT-XSSHT.dgn



ALL UNITS ARE S.F. STAGE 1
 CUT 41.9
 FILL 0.00
 TOPSOIL EXC. 0.00
 TOPSOIL PLAC. 0.00
 REM. UNS. MATL. 0.00
 ROCK EXC. 0.00

ALL UNITS ARE S.F. STAGE 1
 CUT 16.17
 FILL 5.81
 TOPSOIL EXC. 28.31
 TOPSOIL PLAC. 17.89
 REM. UNS. MATL. 0.00
 ROCK EXC. 8.17

ALL UNITS ARE S.F. STAGE 1
 CUT 0.58
 FILL 8.34
 TOPSOIL EXC. 20.27
 TOPSOIL PLAC. 15.32
 REM. UNS. MATL. 0.00
 ROCK EXC. 2.84



USER NAME = dennisw	DESIGNED - MAG	REVISED -
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

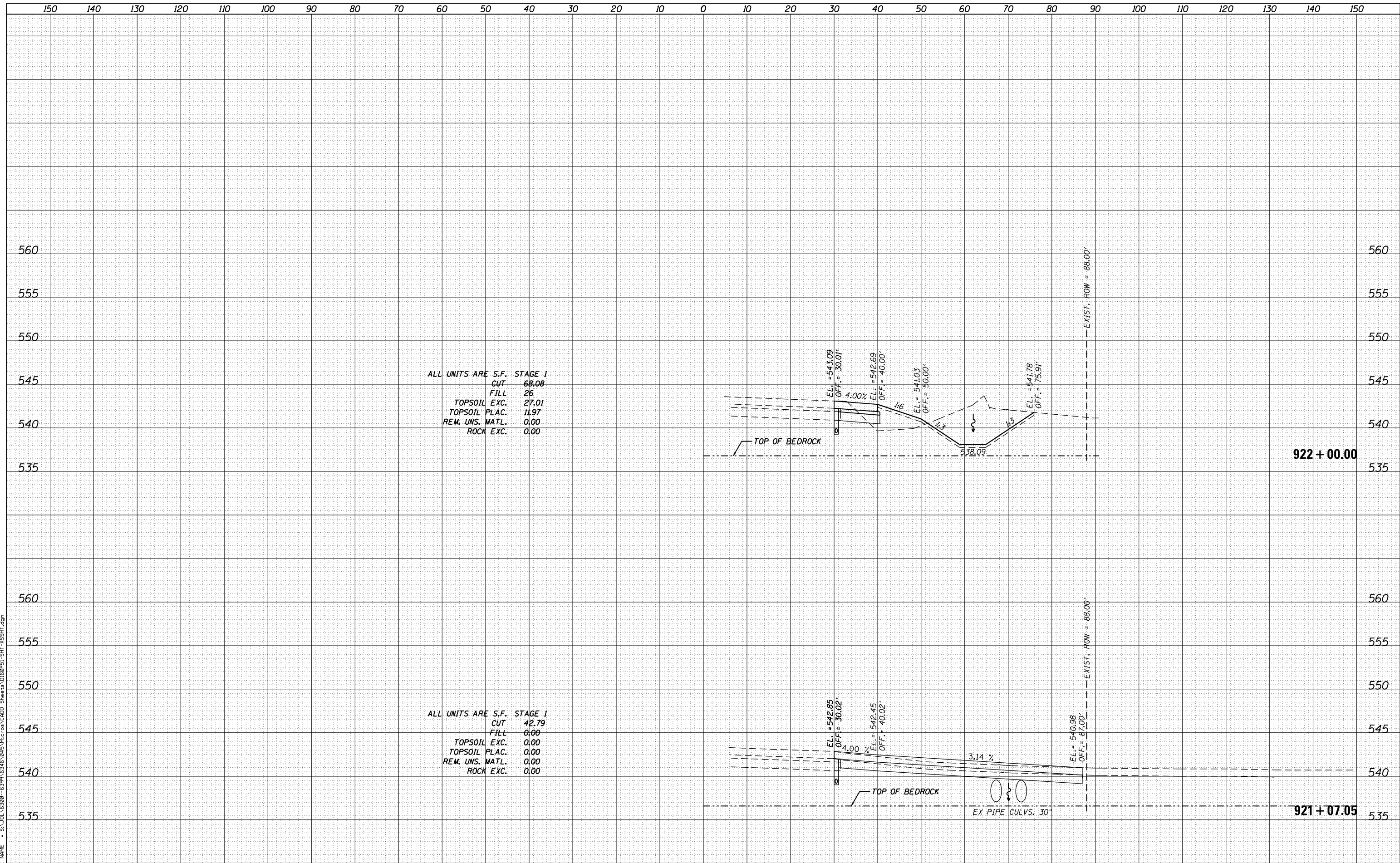
ARSENAL ROAD CROSS SECTIONS
 SCALE: 1" = 10'H 1" = 5' SHEET 1 OF 20 SHEETS STA. 920+00.00 TO STA. 921+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	83
CONTRACT NO. 60P51				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

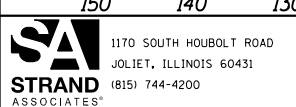
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

FILE NAME = SA_IOL_63800_63997\63461\045\WIP\04 CAD Sheets\0160P51_SHT_1.XSSHT.dgn



ALL UNITS ARE S.F. STAGE 1
 CUT 68.08
 FILL 26
 TOPSOIL EXC. 27.01
 TOPSOIL PLAC. 11.97
 REM. UNS. MATL. 0.00
 ROCK EXC. 0.00

ALL UNITS ARE S.F. STAGE 1
 CUT 42.79
 FILL 0.00
 TOPSOIL EXC. 0.00
 TOPSOIL PLAC. 0.00
 REM. UNS. MATL. 0.00
 ROCK EXC. 0.00



USER NAME = dennisw	DESIGNED - MAG	REVISED -
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ARSENAL ROAD CROSS SECTIONS
 SCALE: 1"=10'H 1"=5'V SHEET 2 OF 20 SHEETS STA. 921+07.05 TO STA. 922+00.00

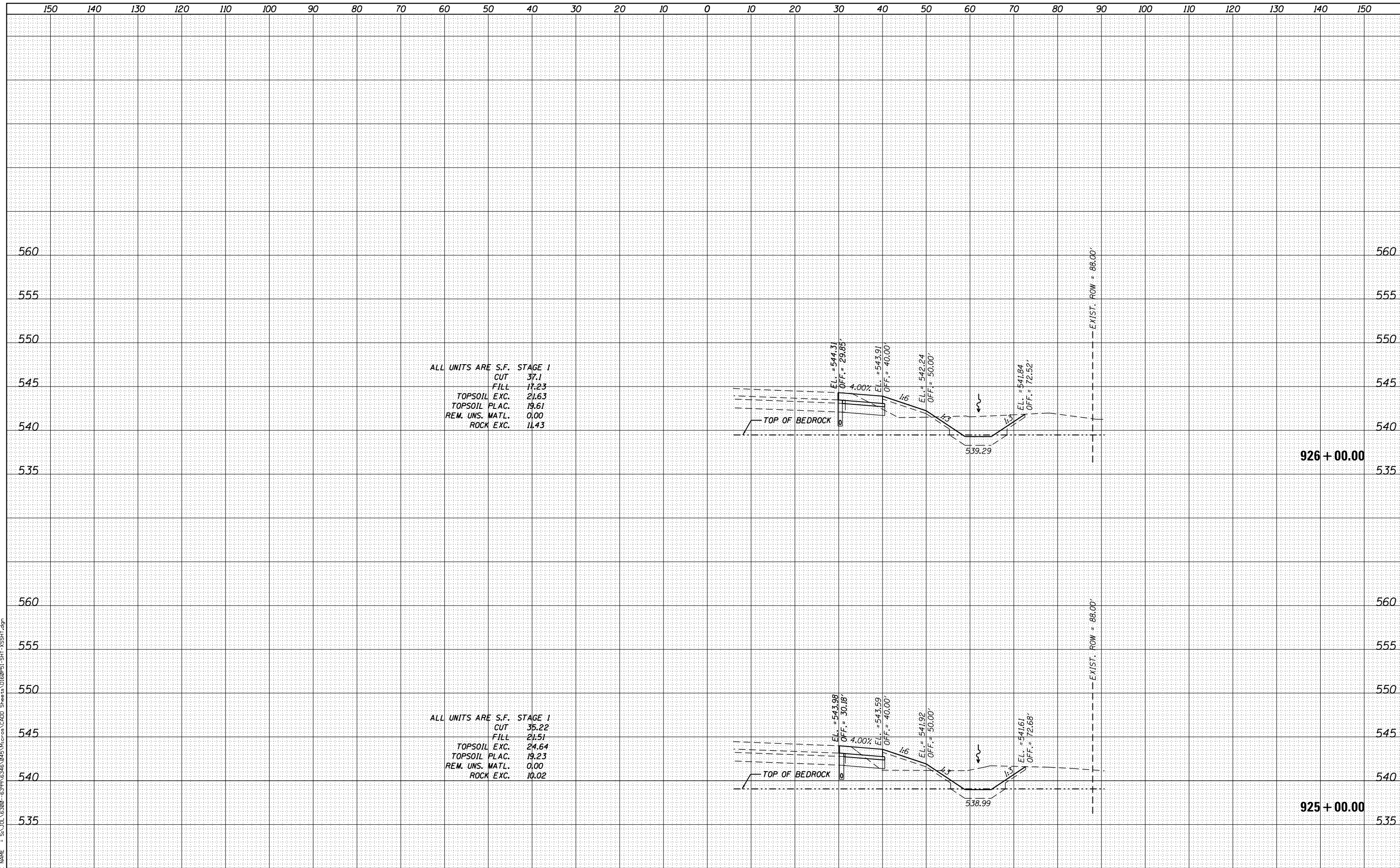
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	84
CONTRACT NO. 60P51				

ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

FILE NAME = SA_IOL_63800_63997\63461\0415\Iris\04_CADD_Sheets\0160P51_SHT_1\XSSHT.dgn



ALL UNITS ARE S.F. STAGE 1
 CUT 37.1
 FILL 17.23
 TOPSOIL EXC. 21.63
 TOPSOIL PLAC. 19.61
 REM. UNS. MATL. 0.00
 ROCK EXC. 11.43

ALL UNITS ARE S.F. STAGE 1
 CUT 35.22
 FILL 21.51
 TOPSOIL EXC. 24.64
 TOPSOIL PLAC. 19.23
 REM. UNS. MATL. 0.00
 ROCK EXC. 10.02



USER NAME = dennisw	DESIGNED - MAG	REVISED -
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ARSENAL ROAD CROSS SECTIONS

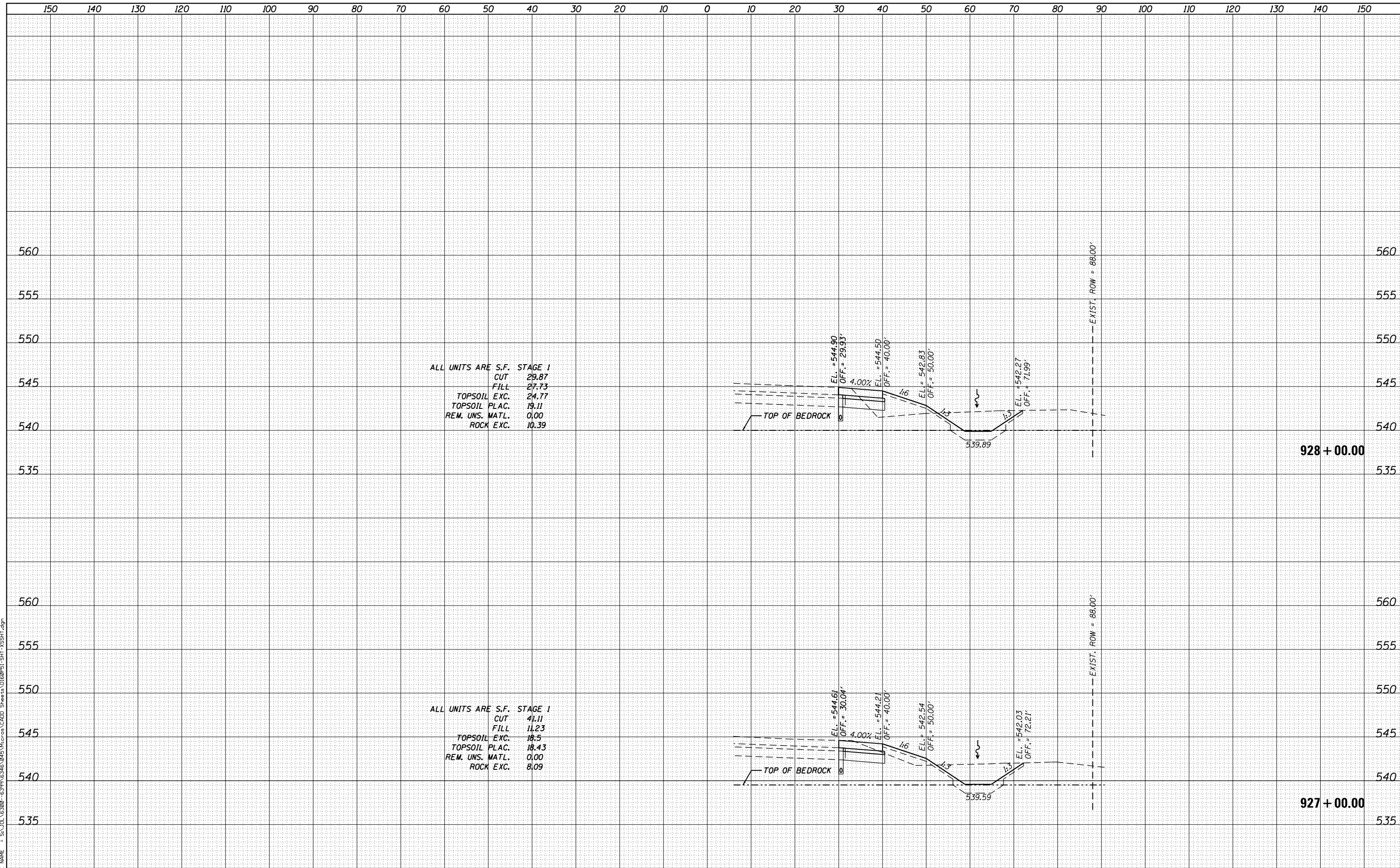
SCALE: 1"=10'H 1"=5'V SHEET 4 OF 20 SHEETS STA. 925+00.00 TO STA. 926+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	86
CONTRACT NO. 60P51				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

FILE NAME = S:\JUL 16380 - 6397\6346\045\WIP\04 CAD Sheets\0160P51_SHT-XSSH1.dgn



ALL UNITS ARE S.F. STAGE 1
 CUT 29.87
 FILL 27.73
 TOPSOIL EXC. 24.77
 TOPSOIL PLAC. 19.11
 REM. UNS. MATL. 0.00
 ROCK EXC. 10.39

ALL UNITS ARE S.F. STAGE 1
 CUT 41.11
 FILL 11.23
 TOPSOIL EXC. 18.5
 TOPSOIL PLAC. 18.43
 REM. UNS. MATL. 0.00
 ROCK EXC. 8.09

STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = dennisw	DESIGNED - MAG	REVISED -
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

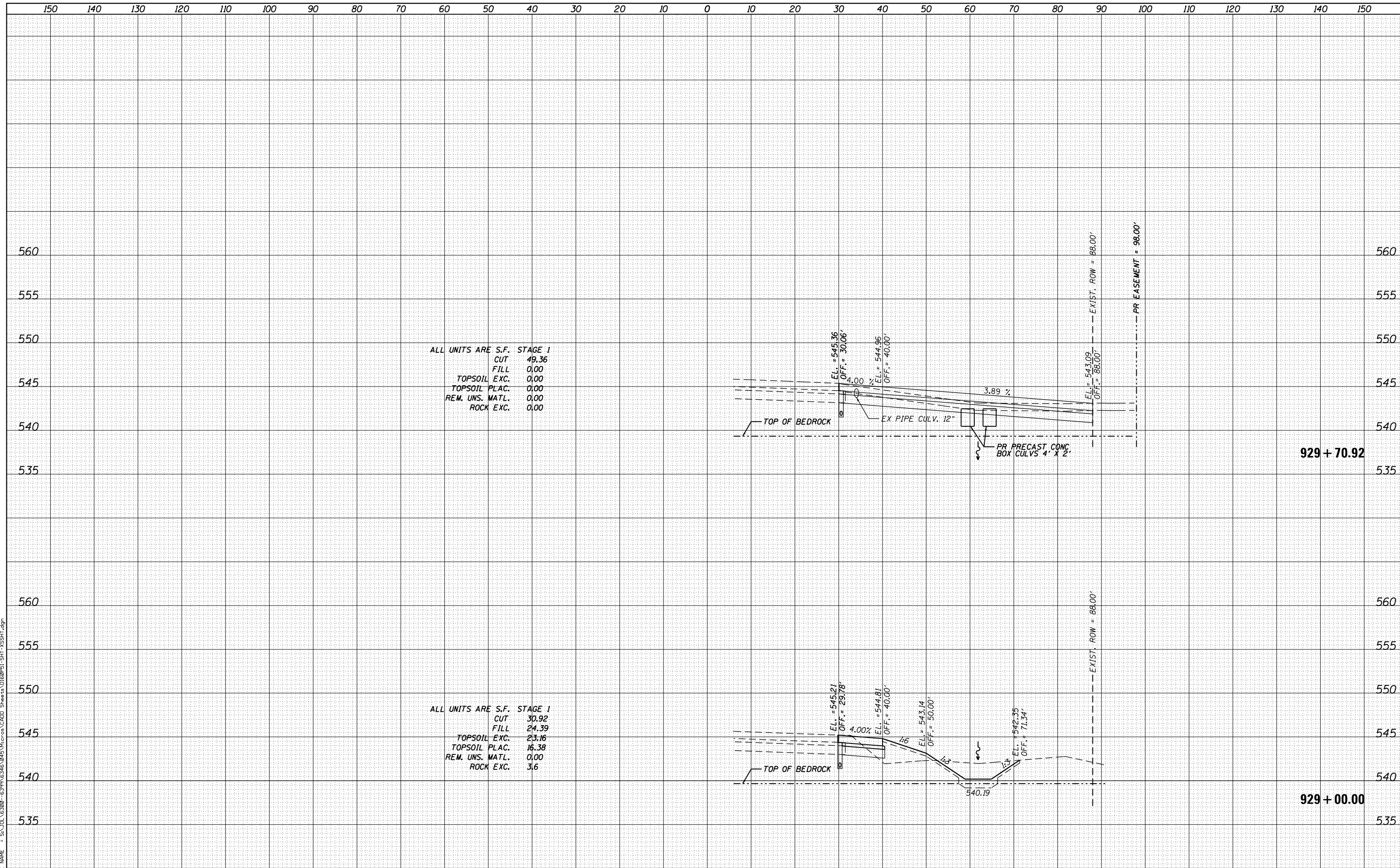
ARSENAL ROAD CROSS SECTIONS
 SCALE: 1" = 10'H 1" = 5' SHEET 5 OF 20 SHEETS STA. 927+00.00 TO STA. 928+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	87
CONTRACT NO. 60P51				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

FILE NAME = SA_IOL_63800_63997\63461\0415\WIP\04\04\Sheets\0160P51_SHT_1.XSSHT.dgn



ALL UNITS ARE S.F. STAGE 1
 CUT 49.36
 FILL 0.00
 TOPSOIL EXC. 0.00
 TOPSOIL PLAC. 0.00
 REM. UNS. MATL. 0.00
 ROCK EXC. 0.00

ALL UNITS ARE S.F. STAGE 1
 CUT 30.92
 FILL 24.39
 TOPSOIL EXC. 23.16
 TOPSOIL PLAC. 16.38
 REM. UNS. MATL. 0.00
 ROCK EXC. 3.6



USER NAME = dennisw	DESIGNED - MAG	REVISED -
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

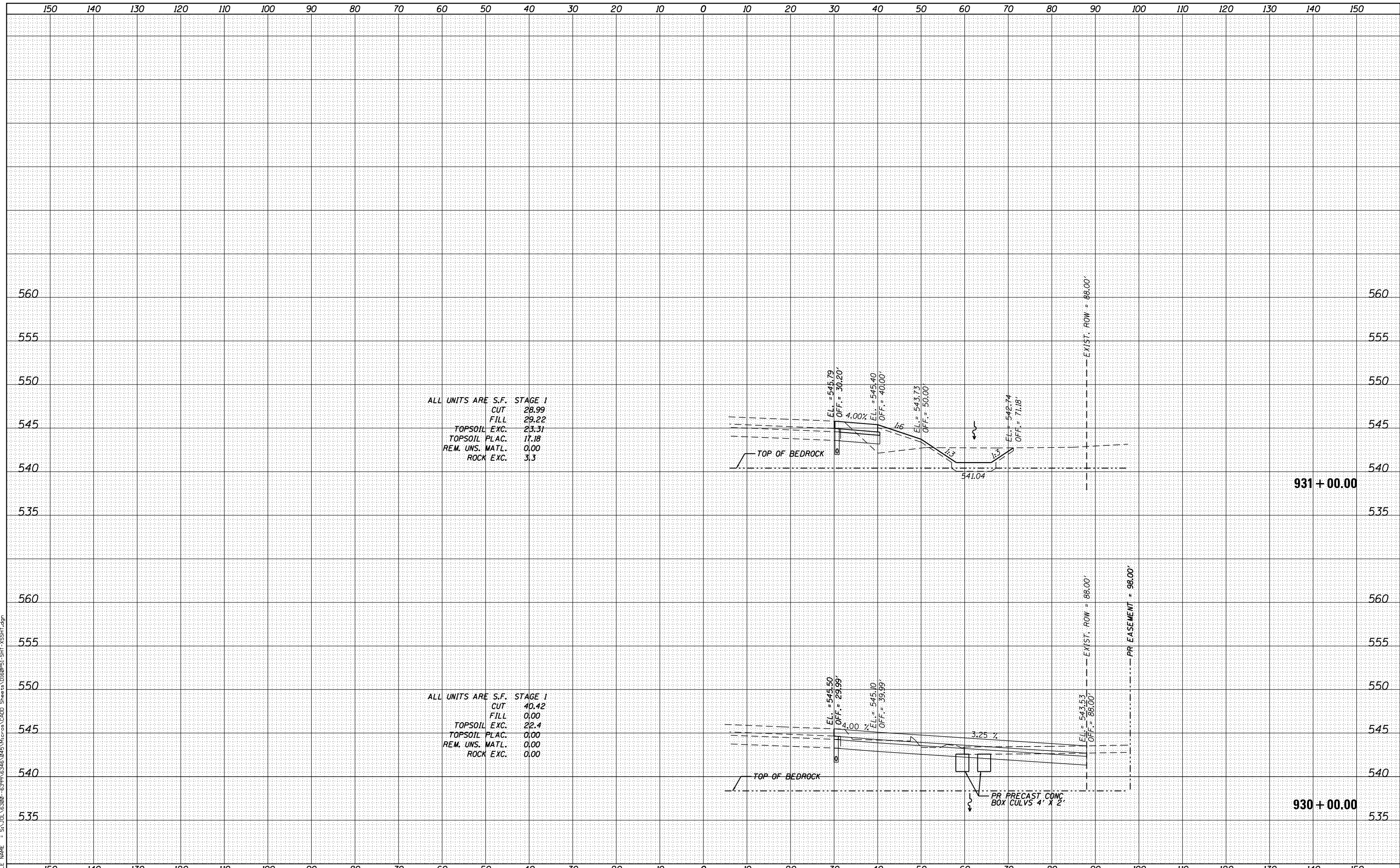
ARSENAL ROAD CROSS SECTIONS
 SCALE 1" = 10'H 1" = 5'V SHEET 6 OF 20 SHEETS STA. 929+00.00 TO STA. 929+70.92

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	88
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

FILE NAME = S:\JL 16380 - 6397\6346\045\16380.dgn



ALL UNITS ARE S.F. STAGE 1
 CUT 28.99
 FILL 29.22
 TOPSOIL EXC. 23.31
 TOPSOIL PLAC. 17.18
 REM. UNS. MATL. 0.00
 ROCK EXC. 3.3

ALL UNITS ARE S.F. STAGE 1
 CUT 40.42
 FILL 0.00
 TOPSOIL EXC. 22.4
 TOPSOIL PLAC. 0.00
 REM. UNS. MATL. 0.00
 ROCK EXC. 0.00

STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = dennisw	DESIGNED - MAG	REVISED -
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ARSENAL ROAD CROSS SECTIONS
 SCALE: 1" = 10'H 1" = 5' V SHEET 7 OF 20 SHEETS STA. 930+00.00 TO STA. 931+00.00

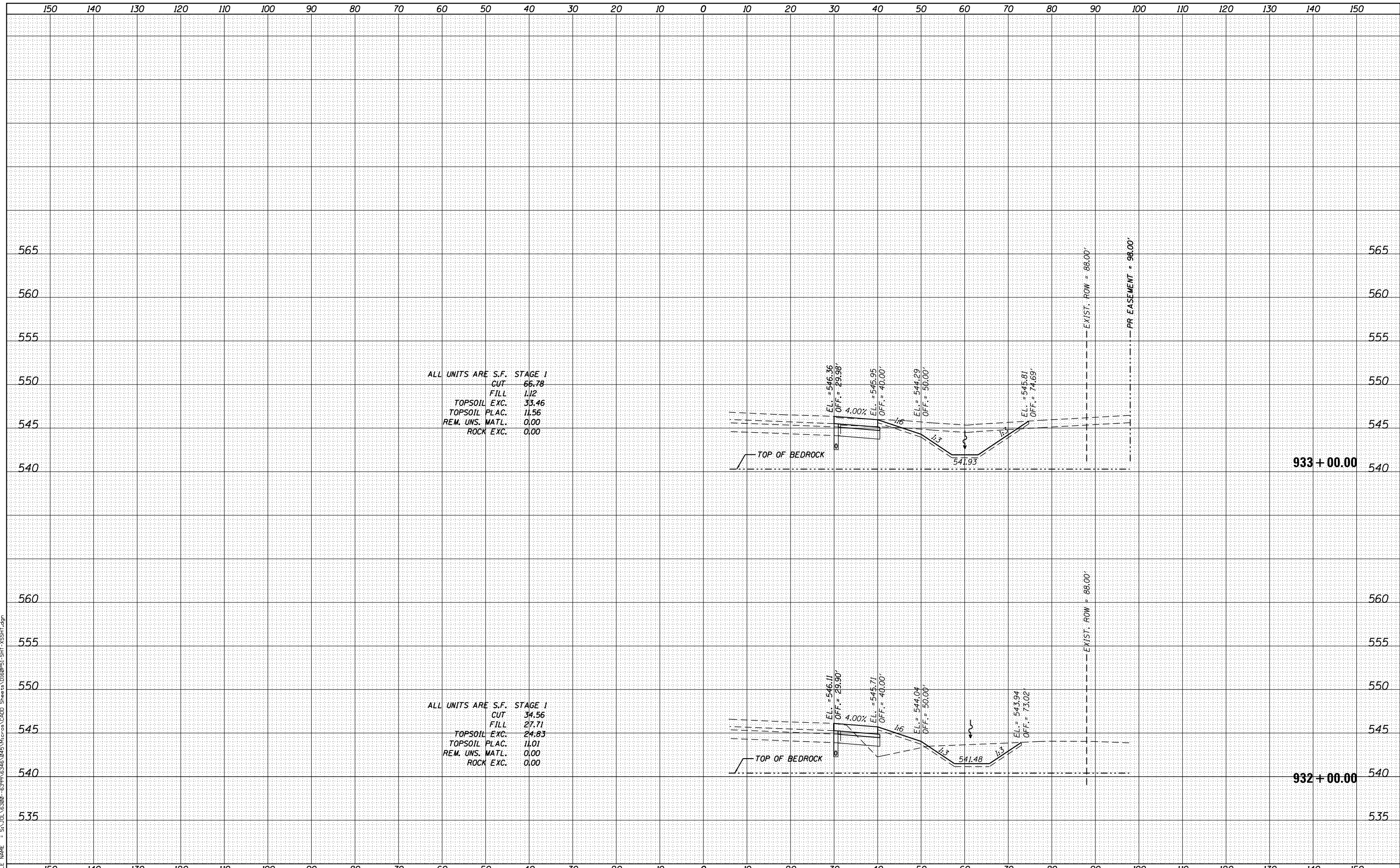
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	89
CONTRACT NO. 60P51				

ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

FILE NAME = SA_IOL_63800 - 63999\63461\0415\IAC02_Sheets\0160P51_SHT_1\SSHT.dgn



ALL UNITS ARE S.F. STAGE 1
 CUT 66.78
 FILL 1.12
 TOPSOIL EXC. 33.46
 TOPSOIL PLAC. 11.56
 REM. UNS. MATL. 0.00
 ROCK EXC. 0.00

ALL UNITS ARE S.F. STAGE 1
 CUT 34.56
 FILL 27.71
 TOPSOIL EXC. 24.83
 TOPSOIL PLAC. 11.01
 REM. UNS. MATL. 0.00
 ROCK EXC. 0.00

SA
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 STRAND ASSOCIATES*
 (815) 744-4200

USER NAME = dennisw
 MODEL NAME = Default
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 2/18/2014

DESIGNED - MAG
 DRAWN - JKP/DJW
 CHECKED - BMA
 DATE - 12-5-12

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ARSENAL ROAD CROSS SECTIONS

SCALE: 1"=10'H 1"=5' SHEET 8 OF 20 SHEETS STA. 932+00.00 TO STA. 933+00.00

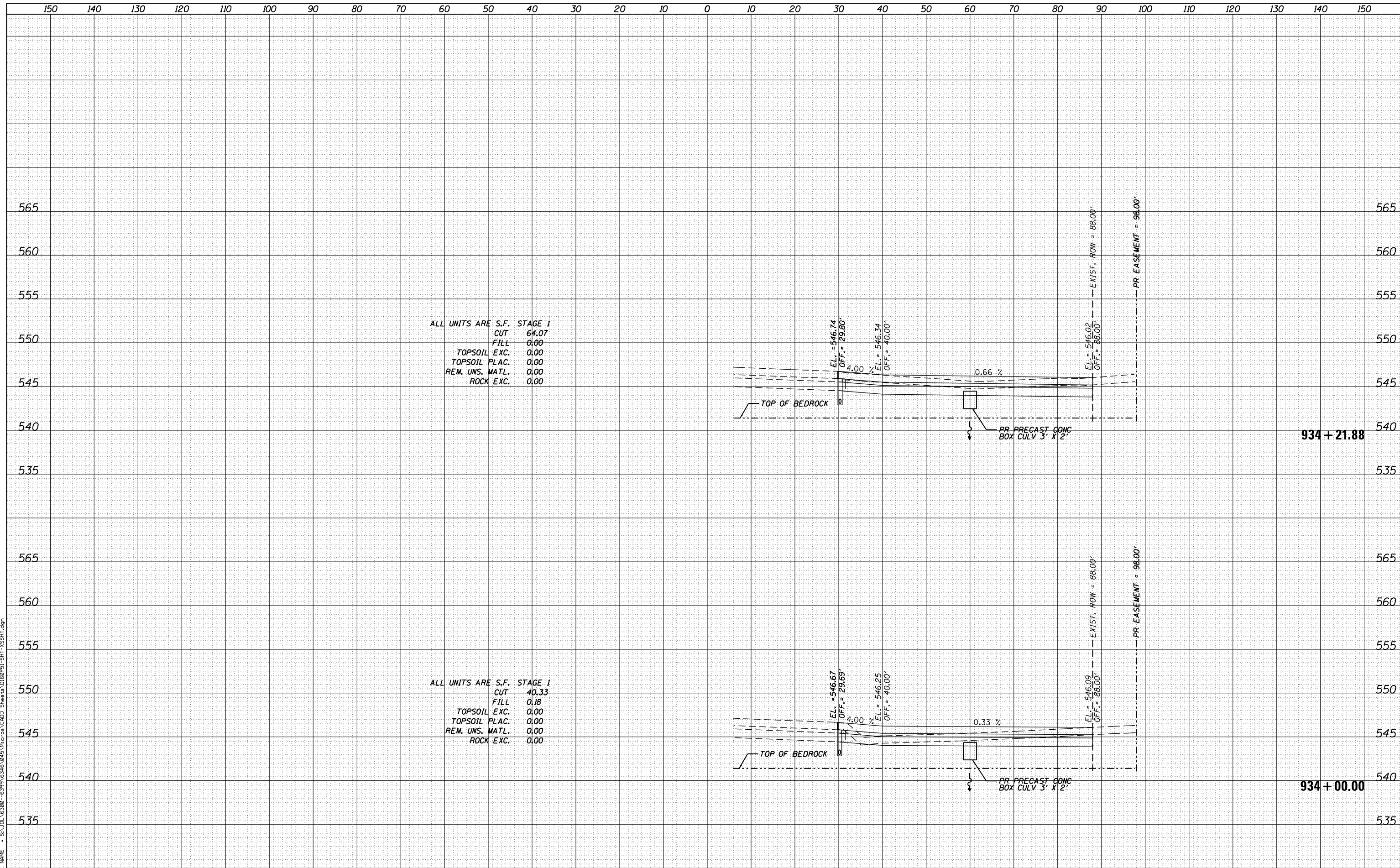
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	90
CONTRACT NO. 60P51				

ILLINOIS FED. AID PROJECT

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

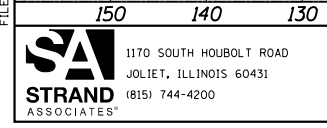
DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

FILE NAME = S:\JL 6380 - 6399\6346\045\VicPos\CADD_Sheets\060P51_SHT_XSSH1.dgn



ALL UNITS ARE S.F. STAGE 1
 CUT 64.07
 FILL 0.00
 TOPSOIL EXC. 0.00
 TOPSOIL PLAC. 0.00
 REM. UNS. MATL. 0.00
 ROCK EXC. 0.00

ALL UNITS ARE S.F. STAGE 1
 CUT 40.33
 FILL 0.18
 TOPSOIL EXC. 0.00
 TOPSOIL PLAC. 0.00
 REM. UNS. MATL. 0.00
 ROCK EXC. 0.00



USER NAME = dennisw	DESIGNED - MAG	REVISED -
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

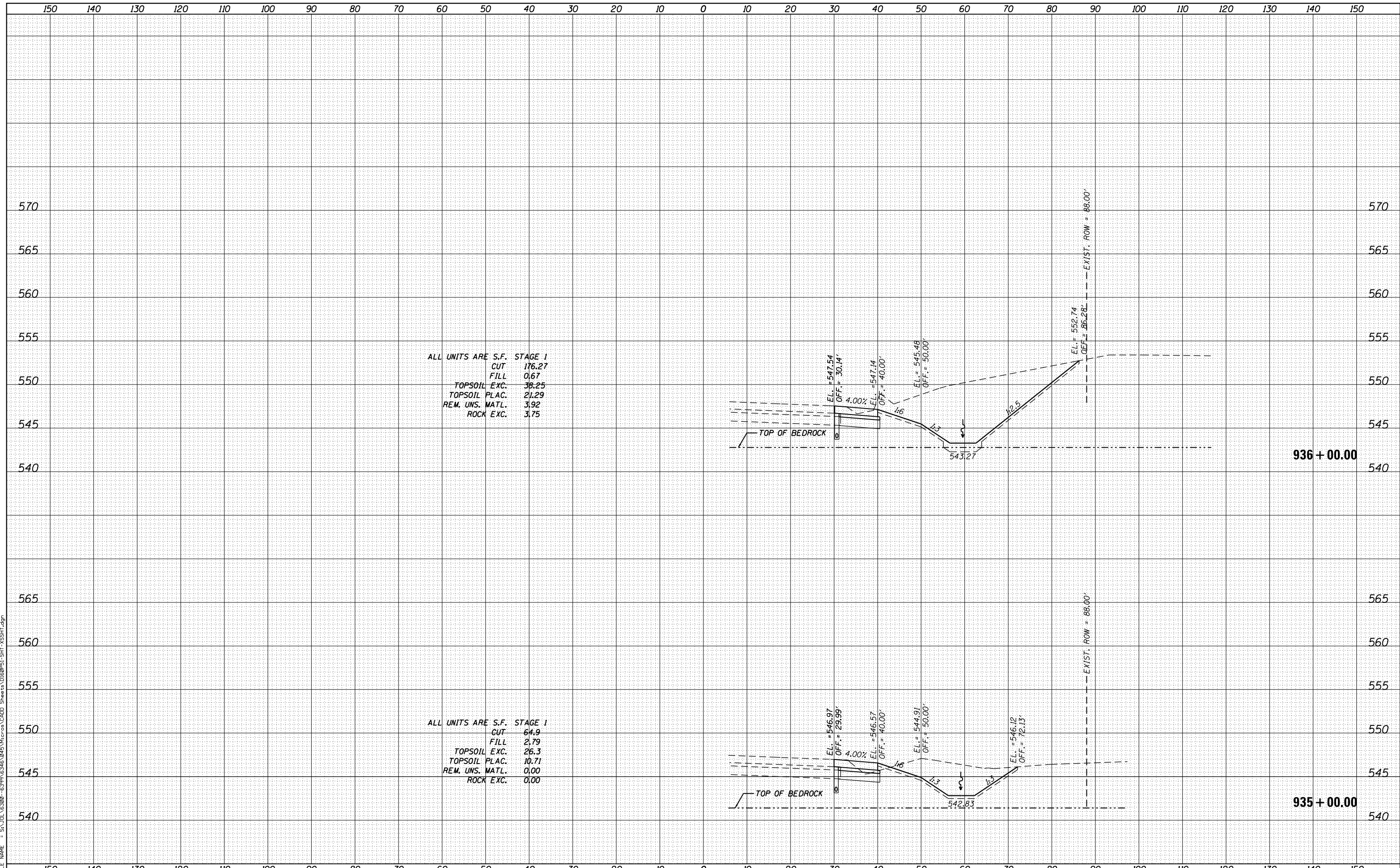
ARSENAL ROAD CROSS SECTIONS
 SCALE: 1"=10'H 1"=5'V SHEET 9 OF 20 SHEETS STA. 934+00.00 TO STA. 934+21.88

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	91
CONTRACT NO. 60P51				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

FILE NAME = S:\JL\63800-63999\63461\0415\WIP\04\04\Sheets\0160P51_SHT_1.XSSHT.dgn



ALL UNITS ARE S.F. STAGE 1
 CUT 176.27
 FILL 0.67
 TOPSOIL EXC. 38.25
 TOPSOIL PLAC. 21.29
 REM. UNS. MATL. 3.92
 ROCK EXC. 3.75

ALL UNITS ARE S.F. STAGE 1
 CUT 64.9
 FILL 2.79
 TOPSOIL EXC. 26.3
 TOPSOIL PLAC. 10.71
 REM. UNS. MATL. 0.00
 ROCK EXC. 0.00

USER NAME = dennisw	DESIGNED - MAG	REVISED -
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

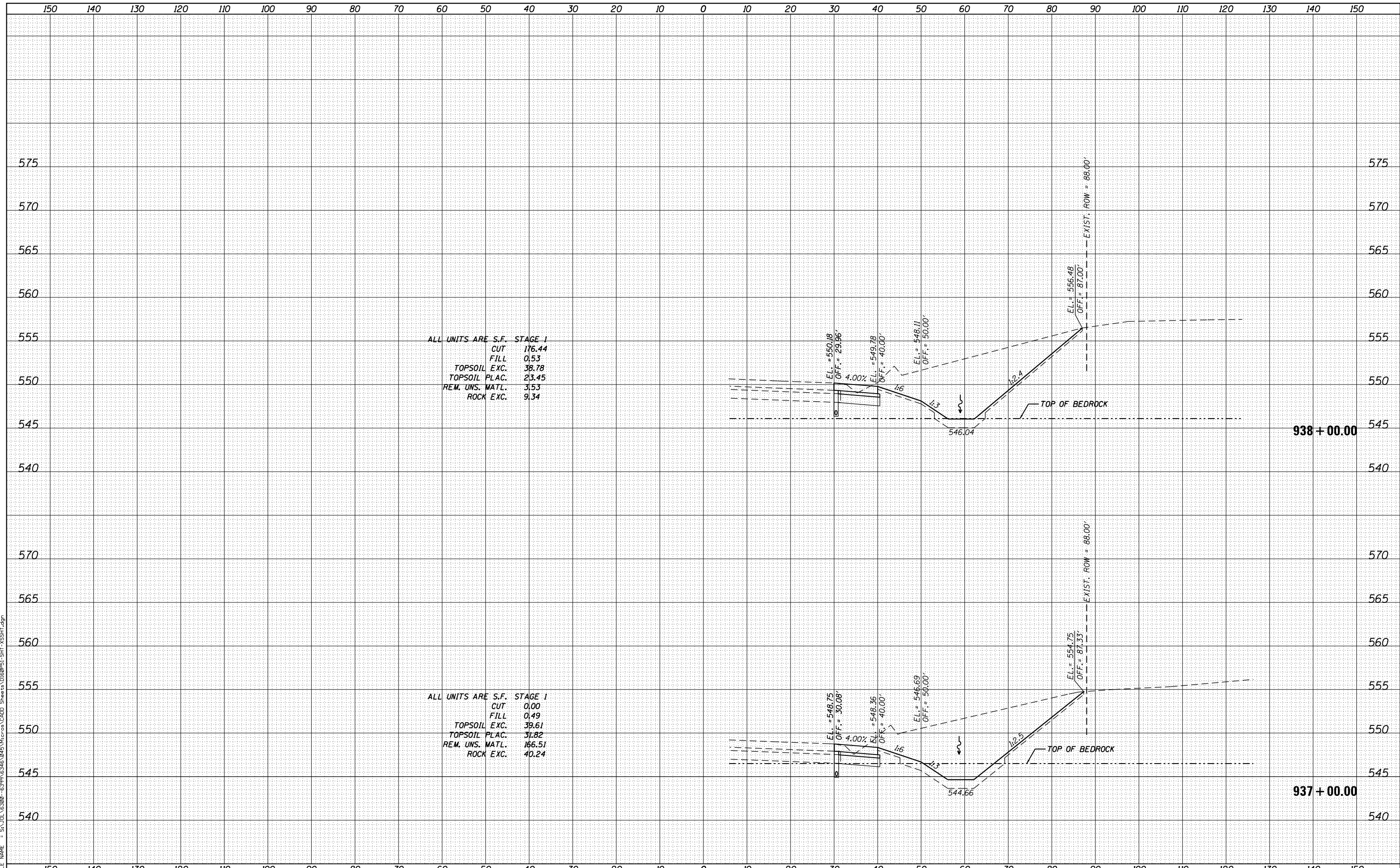
ARSENAL ROAD CROSS SECTIONS
 SCALE: 1" = 10'H 1" = 5' SHEET 10 OF 20 SHEETS STA. 935+00.00 TO STA. 936+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	92
CONTRACT NO. 60P51				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

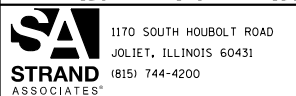
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

FILE NAME = S:\JL\63800-6399\6345\045\WIP\04 CAD Sheets\060P51_SHT_1.XSSHT.dgn



ALL UNITS ARE S.F. STAGE 1
 CUT 176.44
 FILL 0.53
 TOPSOIL EXC. 38.78
 TOPSOIL PLAC. 23.45
 REM. UNS. MATL. 3.53
 ROCK EXC. 9.34

ALL UNITS ARE S.F. STAGE 1
 CUT 0.00
 FILL 0.49
 TOPSOIL EXC. 39.61
 TOPSOIL PLAC. 31.82
 REM. UNS. MATL. 166.51
 ROCK EXC. 40.24



USER NAME = dennisw	DESIGNED - MAG	REVISED -
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ARSENAL ROAD CROSS SECTIONS
 SCALE: 1"=10'H 1"=5' SHEET 11 OF 20 SHEETS STA. 937+00.00 TO STA. 938+00.00

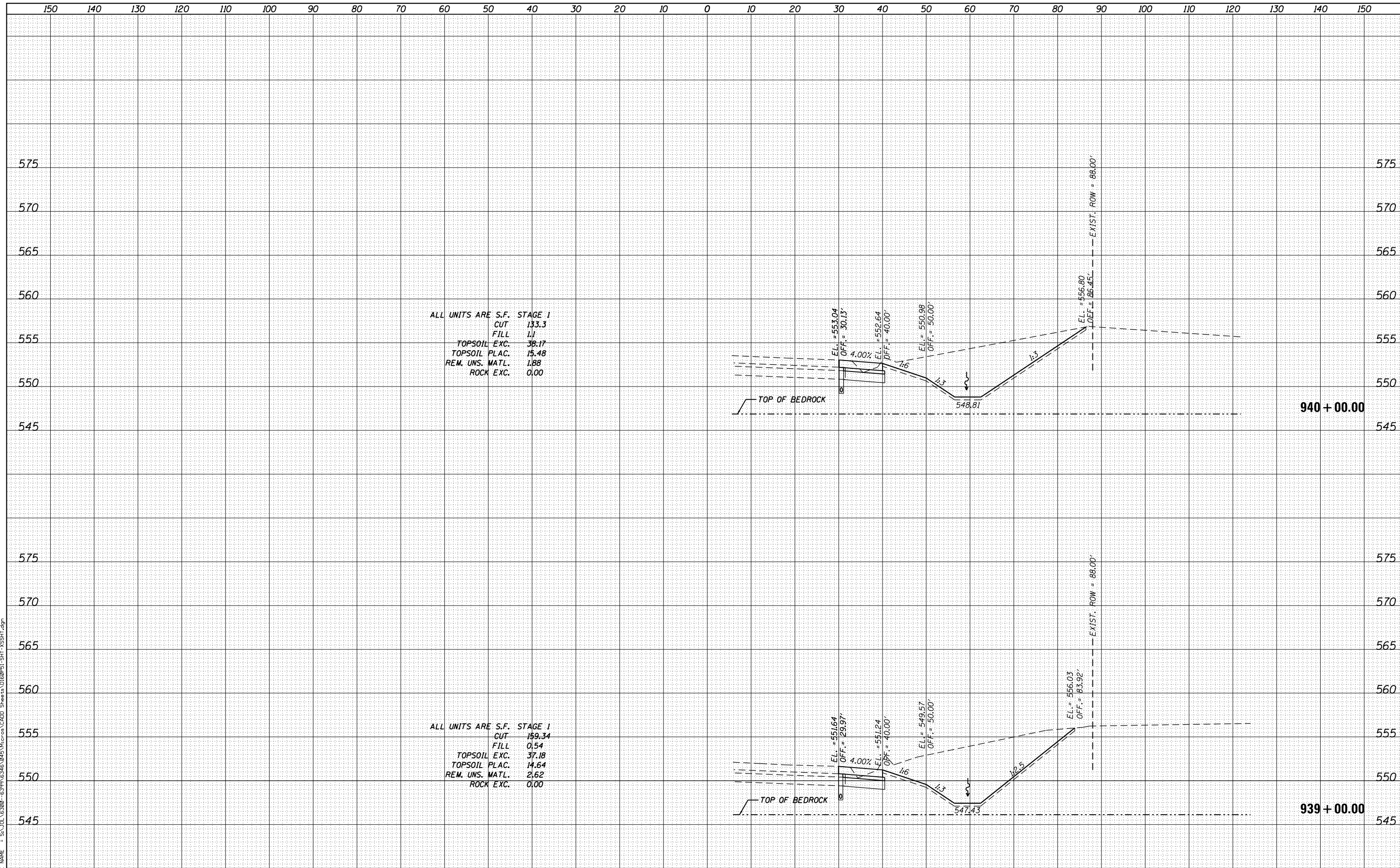
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	93
CONTRACT NO. 60P51				

ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

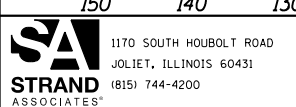
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

FILE NAME = S:\JL 6380 - 6399\6346\048\VicPos\CADD_Sheets\0160P51_SHT-XSSH1.dgn



ALL UNITS ARE S.F. STAGE 1
 CUT 133.3
 FILL 1.1
 TOPSOIL EXC. 38.17
 TOPSOIL PLAC. 15.48
 REM. UNS. MATL. 1.88
 ROCK EXC. 0.00

ALL UNITS ARE S.F. STAGE 1
 CUT 159.34
 FILL 0.54
 TOPSOIL EXC. 37.18
 TOPSOIL PLAC. 14.64
 REM. UNS. MATL. 2.62
 ROCK EXC. 0.00



USER NAME = dennisw	DESIGNED - MAG	REVISED -
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ARSENAL ROAD CROSS SECTIONS
 SCALE 1" = 10'H 1" = 5' SHEET 12 OF 20 SHEETS STA. 939+00.00 TO STA. 940+00.00

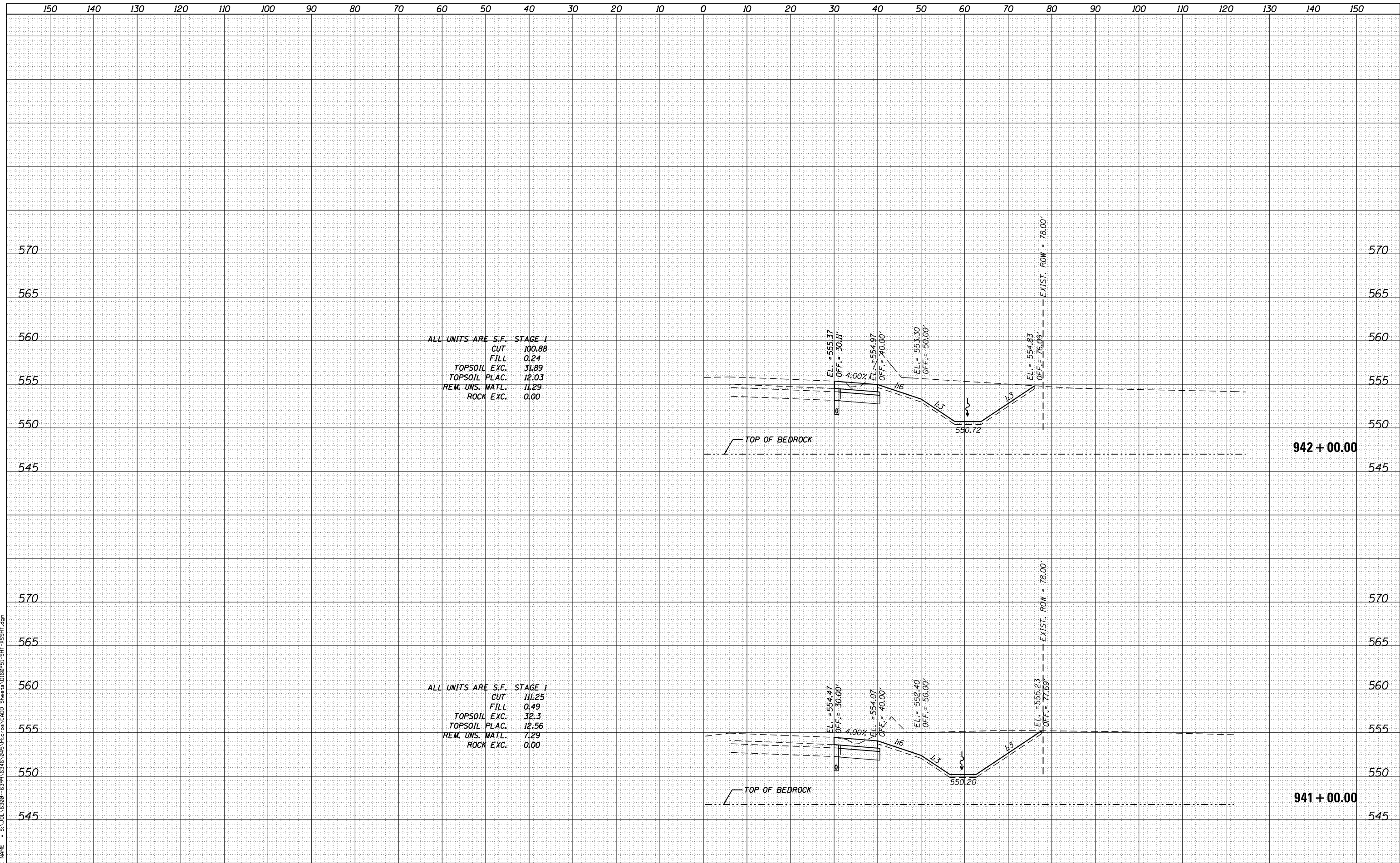
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	94
CONTRACT NO. 60P51				

ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

FILE NAME = SA_IOL_63800_63997\63461\0415\Iris\04\00_Sheets\0160P51_SHT_1\SSHT.dgn



STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennisw	DESIGNED - MAG	REVISED -
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

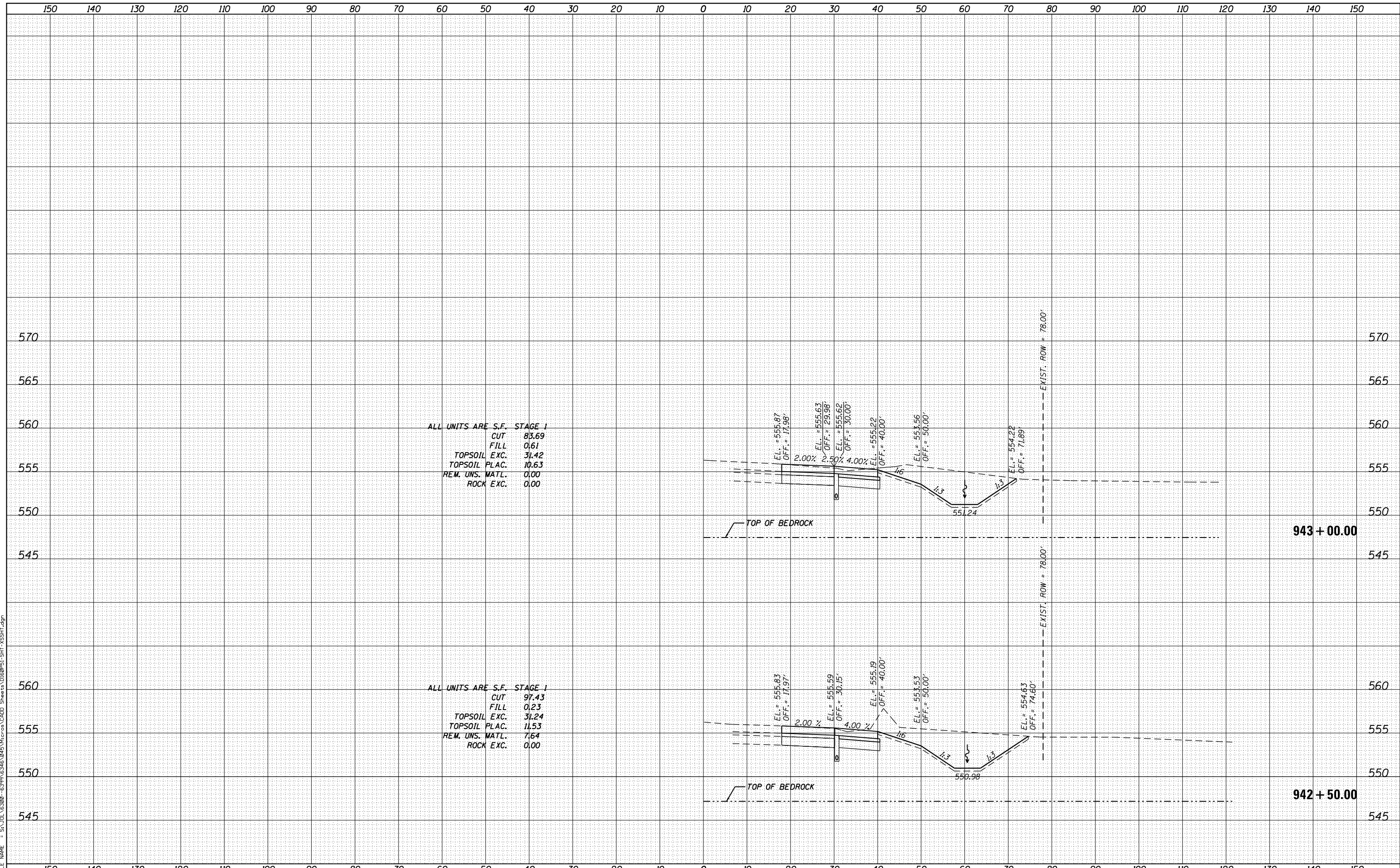
ARSENAL ROAD CROSS SECTIONS
SCALE: 1" = 10'H 1" = 5'V SHEET 13 OF 20 SHEETS STA. 941+00.00 TO STA. 942+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	95
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
NOTED SURVEY	
PLOTTED SURVEY	
TEMPLATE SURVEY	
AREAS CHECKED SURVEY	
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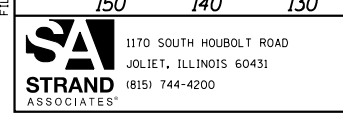
DATE	
BY	
ORIGINAL SURVEY	
NOTED SURVEY	
PLOTTED SURVEY	
TEMPLATE SURVEY	
AREAS CHECKED SURVEY	
NO.	

FILE NAME = S:\JUL 16380 - 6397\6346\045\16380.dgn



ALL UNITS ARE S.F. STAGE 1
 CUT 83.69
 FILL 0.61
 TOPSOIL EXC. 31.42
 TOPSOIL PLAC. 10.63
 REM. UNS. MATL. 0.00
 ROCK EXC. 0.00

ALL UNITS ARE S.F. STAGE 1
 CUT 97.43
 FILL 0.23
 TOPSOIL EXC. 31.24
 TOPSOIL PLAC. 11.53
 REM. UNS. MATL. 7.64
 ROCK EXC. 0.00



USER NAME = dennisw	DESIGNED - MAG	REVISED -
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

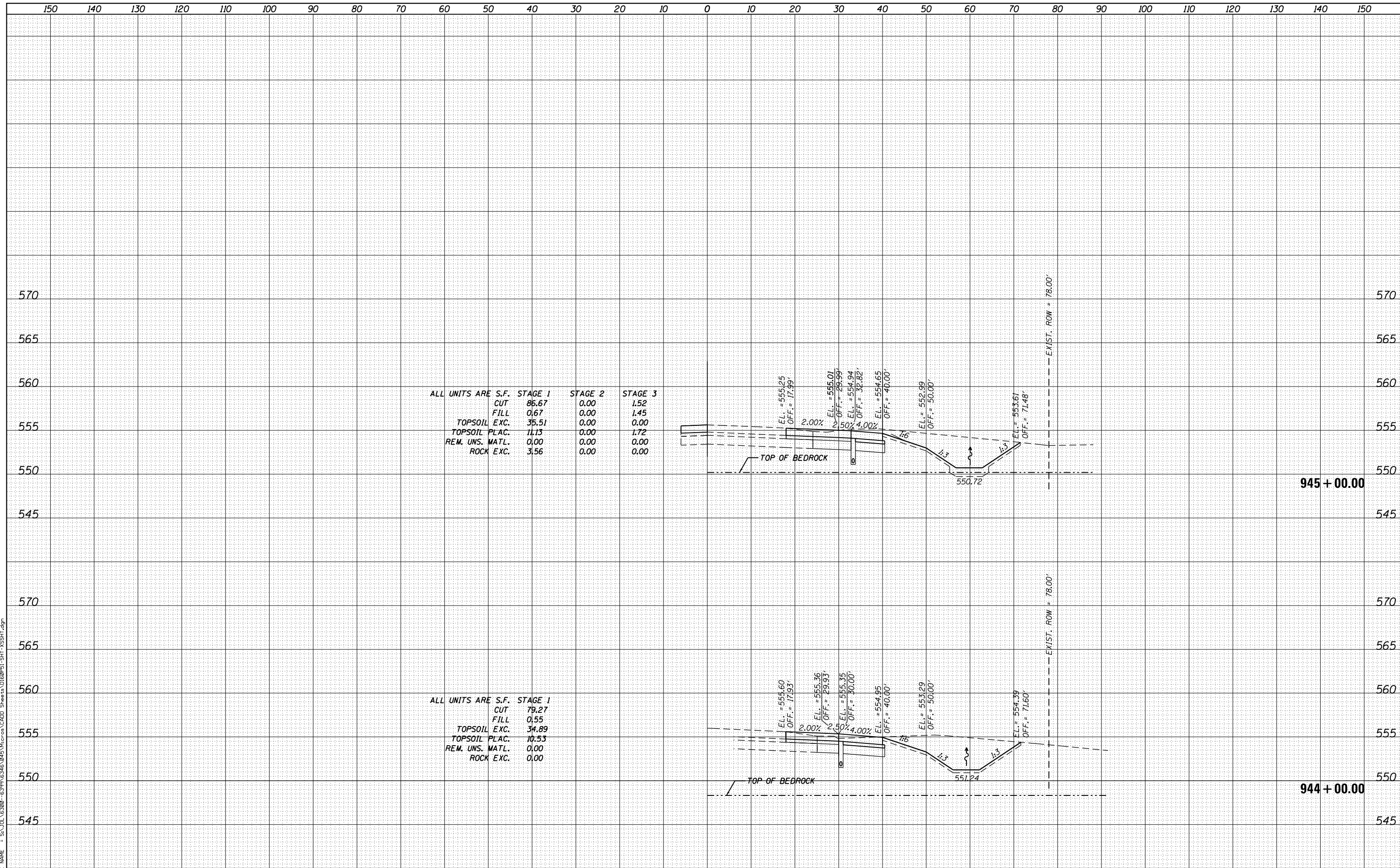
ARSENAL ROAD CROSS SECTIONS
 SCALE: 1" = 10'H 1" = 5' SHEET 14 OF 20 SHEETS STA. 942+50.00 TO STA. 943+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	96
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY NOTE BOOK NO.	

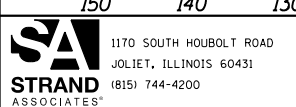
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY NOTE BOOK NO.	

FILE NAME = SA_IOL_63800_63997\63461\045\WIP\04 CAD_Sheets\0160P51_SHT_1.XSSHT.dgn



ALL UNITS ARE	S.F.	STAGE 1	STAGE 2	STAGE 3
CUT	86.67	0.00	1.52	
FILL	0.67	0.00	1.45	
TOPSOIL EXC.	35.51	0.00	0.00	
TOPSOIL PLAC.	11.13	0.00	1.72	
REM. UNS. MATL.	0.00	0.00	0.00	
ROCK EXC.	3.56	0.00	0.00	

ALL UNITS ARE	S.F.	STAGE 1
CUT	79.27	
FILL	0.55	
TOPSOIL EXC.	34.89	
TOPSOIL PLAC.	10.53	
REM. UNS. MATL.	0.00	
ROCK EXC.	0.00	



USER NAME = dennisw	DESIGNED - MAG	REVISED -
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 2/18/2014	DATE - 12-5-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARSENAL ROAD CROSS SECTIONS

SCALE: 1"=10'H 1"=5' SHEET 15 OF 20 SHEETS STA. 944+00.00 TO STA. 945+00.00

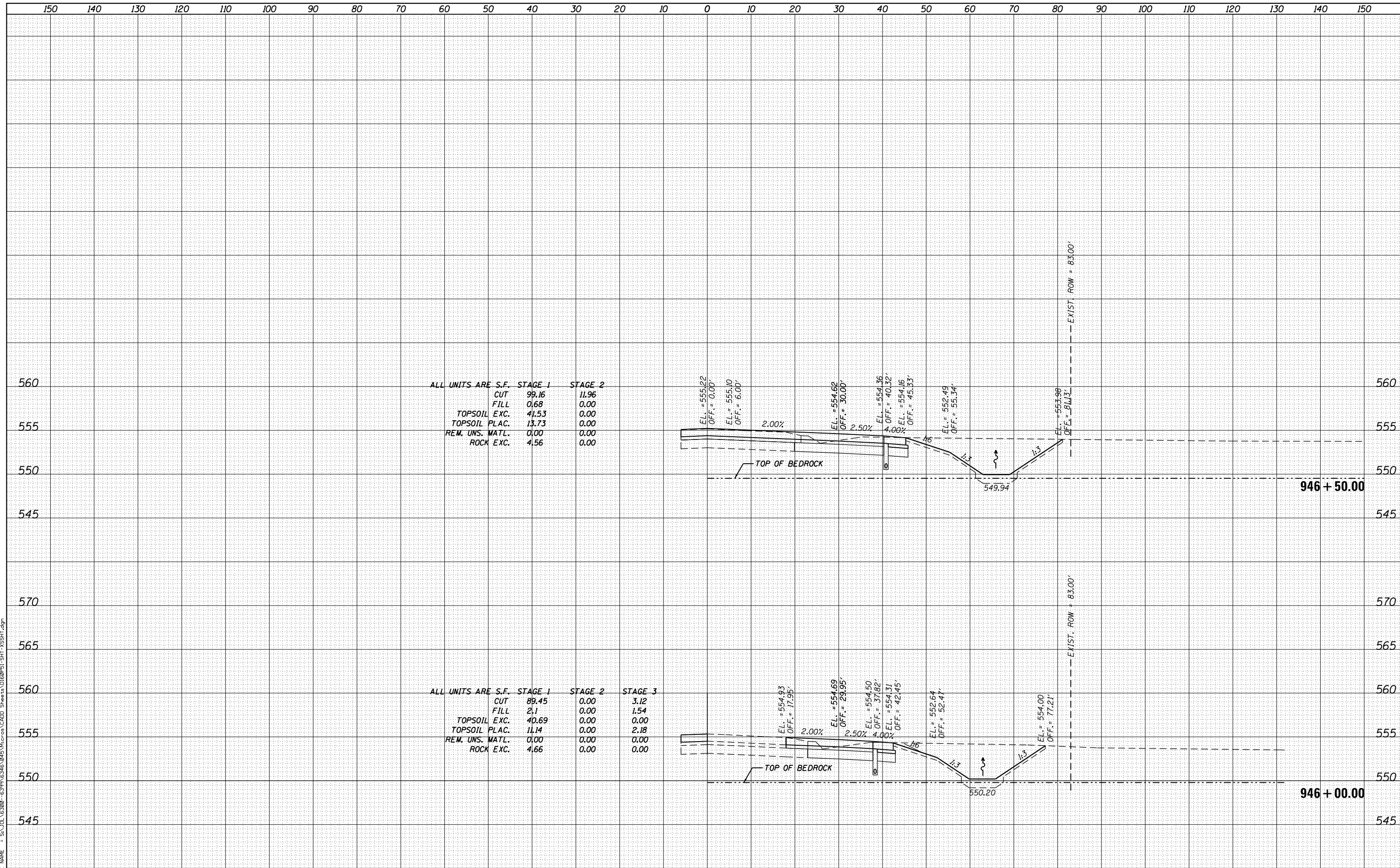
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	97
CONTRACT NO. 60P51				

ILLINOIS FED. AID PROJECT

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

FILE NAME = SA_IOL_63800_63997\63461\0415\Iris\0415\Iris.dgn



ALL UNITS ARE S.F.

	STAGE 1	STAGE 2
CUT	99.16	11.96
FILL	0.68	0.00
TOPSOIL EXC.	41.53	0.00
TOPSOIL PLAC.	13.73	0.00
REM. UNS. MATL.	0.00	0.00
ROCK EXC.	4.56	0.00

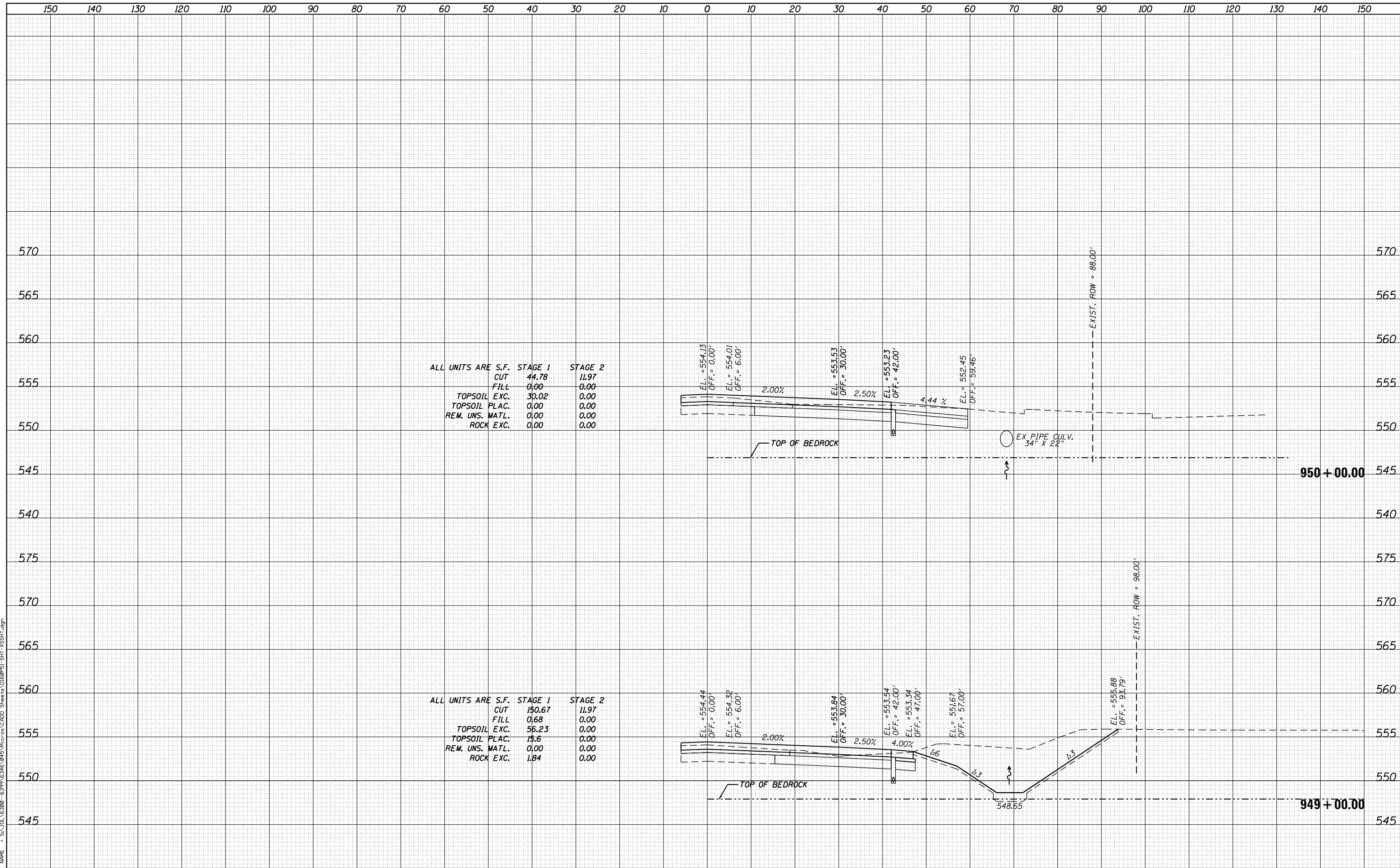
ALL UNITS ARE S.F.

	STAGE 1	STAGE 2	STAGE 3
CUT	89.45	0.00	3.12
FILL	2.1	0.00	1.54
TOPSOIL EXC.	40.69	0.00	0.00
TOPSOIL PLAC.	11.14	0.00	2.18
REM. UNS. MATL.	0.00	0.00	0.00
ROCK EXC.	4.66	0.00	0.00

DATE	
BY	
FINAL SURVEY	
SURVEYED	
NOTE BOOK	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
NOTE BOOK	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

FILE NAME = S:\JL_63200_6399\6345\045\Work\CAD_Sheets\060P51_SHT_1\XSSHT.dgn



ALL UNITS ARE S.F.

	STAGE 1	STAGE 2
CUT	44.78	11.97
FILL	0.00	0.00
TOPSOIL EXC.	30.02	0.00
TOPSOIL PLAC.	0.00	0.00
REM. UNS. MATL.	0.00	0.00
ROCK EXC.	0.00	0.00

ALL UNITS ARE S.F.

	STAGE 1	STAGE 2
CUT	150.67	11.97
FILL	0.68	0.00
TOPSOIL EXC.	56.23	0.00
TOPSOIL PLAC.	15.6	0.00
REM. UNS. MATL.	0.00	0.00
ROCK EXC.	1.84	0.00

STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = dennisw	DESIGNED - MAG	REVISED -
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 3/21/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

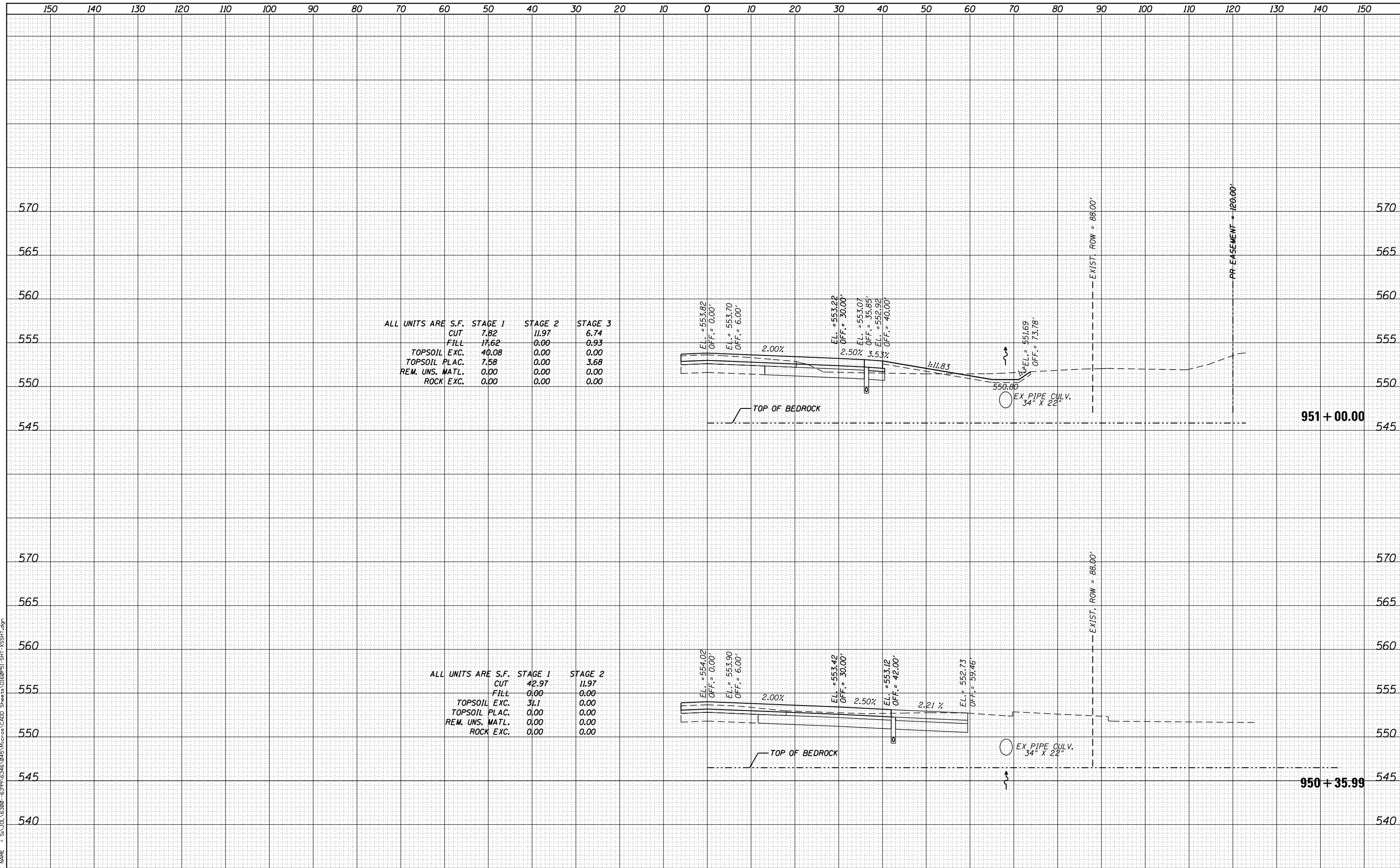
ARSENAL ROAD CROSS SECTIONS
 SCALE: 1"=10'H 1"=5' SHEET 18 OF 20 SHEETS STA. 949+00.00 TO STA. 950+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	100
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	
SURVEY PLOTTED	
NOTE BOOK	
NO.	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
SURVEY PLOTTED	
NOTE BOOK	
NO.	
AREAS CHECKED	

FILE NAME = SA_IOL_63800_63997\63461\045\WIP\04 CAD_Sheets\0160P51_SHT_XSSHT.dgn



ALL UNITS ARE S.F.

	STAGE 1	STAGE 2	STAGE 3
CUT	7.82	11.97	6.74
FILL	17.62	0.00	0.93
TOPSOIL EXC.	40.08	0.00	0.00
TOPSOIL PLAC.	7.58	0.00	3.68
REM. UNS. MATL.	0.00	0.00	0.00
ROCK EXC.	0.00	0.00	0.00

ALL UNITS ARE S.F.

	STAGE 1	STAGE 2
CUT	42.97	11.97
FILL	0.00	0.00
TOPSOIL EXC.	31.1	0.00
TOPSOIL PLAC.	0.00	0.00
REM. UNS. MATL.	0.00	0.00
ROCK EXC.	0.00	0.00

SA
STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennisw	DESIGNED - MAG	REVISED -
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 3/21/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

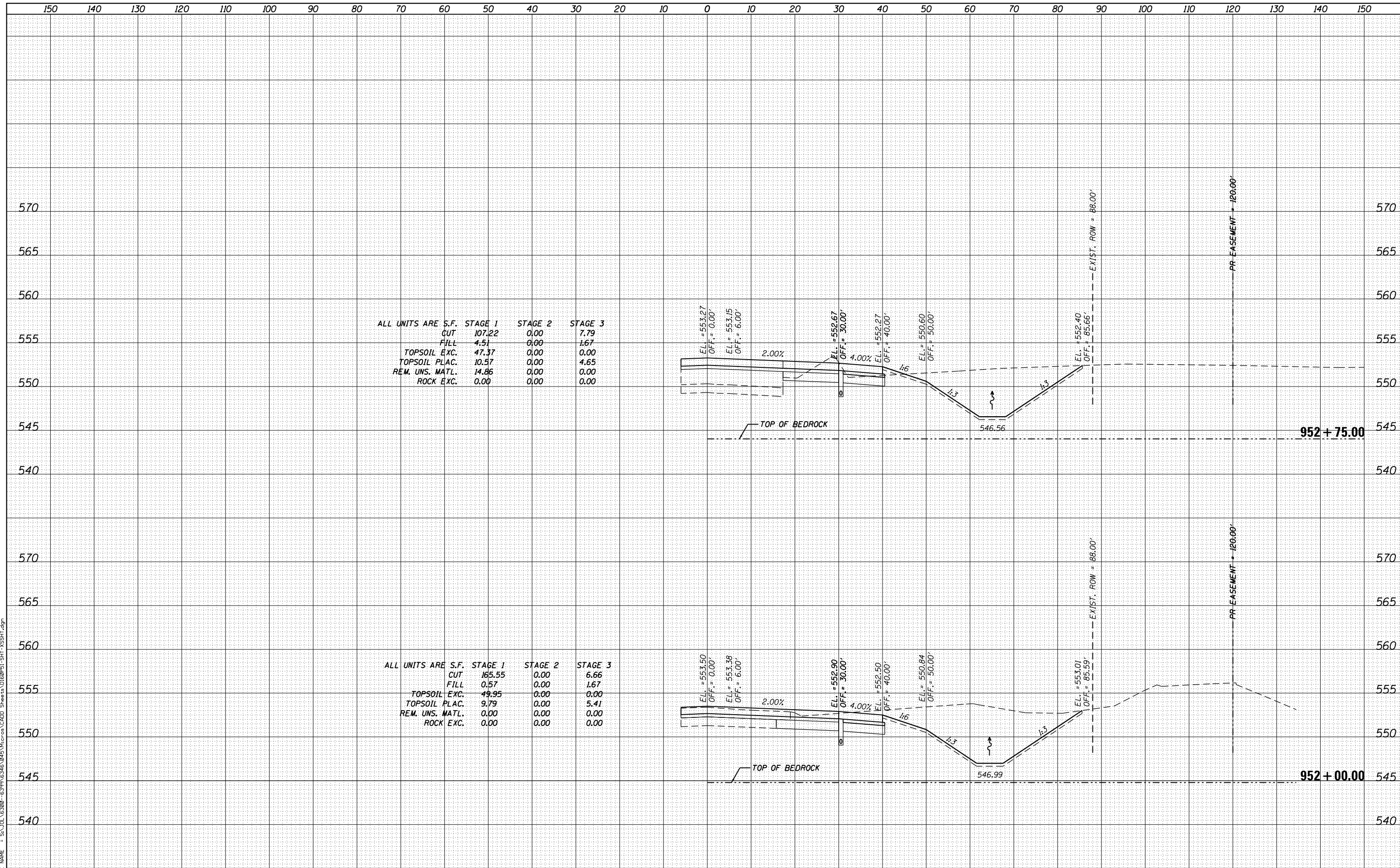
ARSENAL ROAD CROSS SECTIONS
SCALE: 1"=10'H 1"=5' SHEET 19 OF 20 SHEETS STA. 950+35.99 TO STA. 951+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	101
			CONTRACT NO. 60P51	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

FILE NAME = SA_IOL_63800_63997\63461\0481\WIP\04 CAD_Sheets\1060P51_SHT_1.XSSHT.dgn



ALL UNITS ARE S.F.

	STAGE 1	STAGE 2	STAGE 3
CUT	107.22	0.00	7.79
FILL	4.51	0.00	1.67
TOPSOIL EXC.	47.37	0.00	0.00
TOPSOIL PLAC.	10.57	0.00	4.65
REM. UNS. MATL.	14.86	0.00	0.00
ROCK EXC.	0.00	0.00	0.00

ALL UNITS ARE S.F.

	STAGE 1	STAGE 2	STAGE 3
CUT	165.55	0.00	6.66
FILL	0.57	0.00	1.67
TOPSOIL EXC.	49.95	0.00	0.00
TOPSOIL PLAC.	9.79	0.00	5.41
REM. UNS. MATL.	0.00	0.00	0.00
ROCK EXC.	0.00	0.00	0.00

STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennisw	DESIGNED - MAG	REVISED -
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 3/21/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ARSENAL ROAD CROSS SECTIONS
SCALE: 1" = 10'-0" H, 1" = 5'-0" V
SHEET 20 OF 20 SHEETS
STA. 952+00.00 TO STA. 952+75.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	102
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	