

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	14-00041-00-BT	KANE	1	1
ILLINOIS		CONTRACT NO. 61D43		

FOR INDEX OF SHEETS SEE SHEET 2

FOR LIST OF APPLICABLE HIGHWAY STANDARDS SEE SHEET 2

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAP 0326 (IL ROUTE 47)
 KREUTZER ROAD TO OAK CREEK PARKWAY
 BIKE PATH CONSTRUCTION AND INTERSECTION IMPROVEMENT

SECTION 14-00041-00-BT
 PROJECT NO: TE-00D1(964)

VILLAGE OF HUNTLEY
 KANE COUNTY

JOB NO: C-91-388-14



BEGIN IMPROVEMENTS
 STA 10+00.00

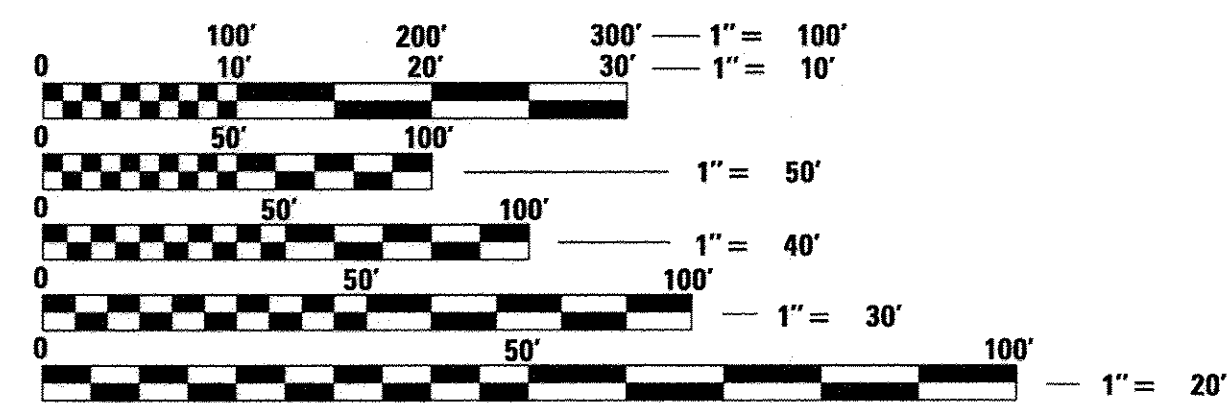
END IMPROVEMENTS
 STA 202+08.85

END IMPROVEMENTS
 STA 76+10.99

END IMPROVEMENTS
 STA 206+47.82

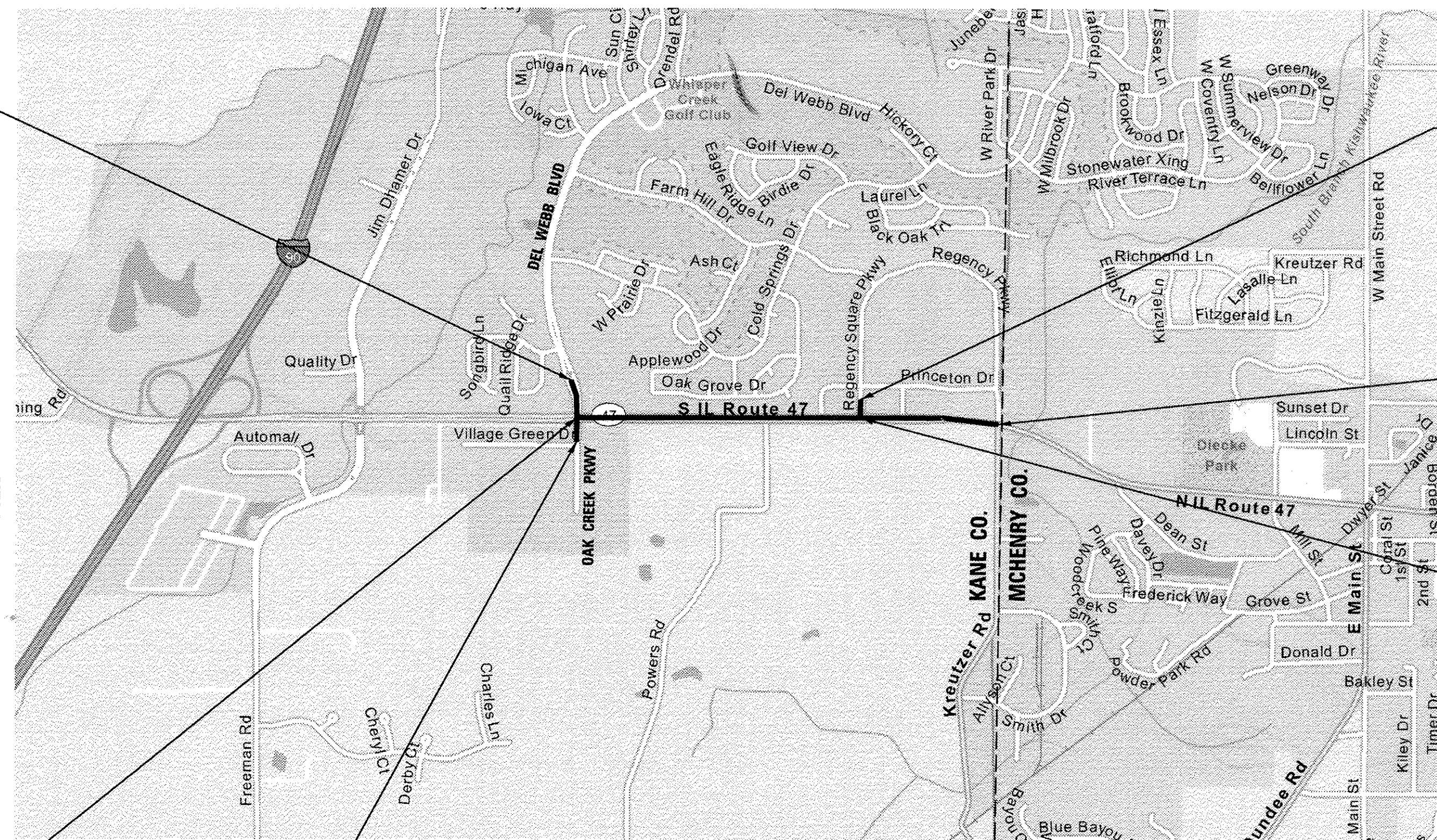
TRAFFIC DATA

ILLINOIS ROUTE 47
 DESIGN DESIGNATION: OTHER PRINCIPAL ARTERIAL
 POSTED SPEED = 45 MPH
 TRAFFIC = 22,300 (2015)



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



BEGIN IMPROVEMENTS
 STA 100+27.43

END IMPROVEMENTS
 STA 103+25.98

LOCATION MAP
 N.T.S.

GROSS LENGTH = 7,351 FT = 1.39 MILE
 NET LENGTH = 7,351 FT = 1.39 MILE

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLER, P.E. 847-705-4406 SCHAMBURG, IL

CONTRACT NO. 61D43

ENGINEER
 DATE 10/17/16
STEPHEN N. SUGG
 ILLINOIS REGISTRATION No. 062-044117
 EXPIRATION DATE: 11/30/2017

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500
 PROFESSIONAL DESIGN FIRM NO. 184-001175
 EXPIRATION DATE: 04/30/17

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

APPROVED

VILLAGE OF HUNTLEY MAYOR

PASSED

NOVEMBER 7, 2016
 CHRISTOPHER B. BURKE
 DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASED FOR BID
 BASED ON LIMITED
 REVIEW

NOVEMBER 10, 2016

 REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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HIGHWAY STANDARDS

000001-06 – STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-07 – TEMPORARY EROSION CONTROL SYSTEMS
420101-05 – 24’ JOINTED PCC PAVEMENT
420106-05 – 36’ JOINTED PCC PAVEMENT
420701-03 – PAVEMENT WELDED WIRE REINFORCEMENT
424001-07 – PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-03 – CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424026-01 – ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
424031-01 – MEDIAN PEDESTRIAN CROSSINGS
542301-03 – PRECAST REINFORCED CONCRETE FLARED END SECTION
542311-06 – TRAVERSABLE PIPE GRATE
542546-01 – FLUSH INLET BOX FOR MEDIAN
602001-02 – CATCH BASIN TYPE A
602401-03 – MANHOLE TYPE A
602601-04 – PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02 – MANHOLE STEPS
604001-04 – FRAME AND LIDS TYPE 1
604036-03 – GRATE TYPE 8
606001-06 – CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04 – PC CONCRETE ISLANDS AND MEDIANS
701106-02 – OFF-RD OPERATIONS, MULTILANE, MORE THAN 15’ (4.5m) AWAY
701301-04 – LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701421-08 – LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701501-06 – URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701606-10 – URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10 – URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06 – SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-06 – TRAFFIC CONTROL DEVICES
814001-03 – HANDHOLES
814006-02 – DOUBLE HANDHOLES
857001-01 – STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01 – UNINTERRUPTABLE POWER SUPPLY
873001-02 – TRAFFIC SIGNAL GROUNDING & BONDING
876001-04 – PEDESTRIAN PUSH BUTTON POST
877002-03 – STEEL MAST ARM ASSEMBLY AND POLE, 56’ THROUGH 75’
878001-10 – CONCRETE FOUNDATION DETAILS
880006-01 – TRAFFIC SIGNAL MOUNTING DETAILS
886001-01 – DETECTOR LOOP INSTALLATIONS
886006-01 – TYPICAL LAYOUTS FOR DETECTION LOOPS

GENERAL NOTES

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2017; THE LATEST EDITIONS OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (IMUTCD) AND "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS"; THE "DETAILS" IN THE PLANS; AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.
2. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST IDOT STANDARD.
3. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 700 OF THE STANDARD SPECIFICATIONS.

UTILITIES

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.
5. THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE APPROXIMATE, AND THE VILLAGE AND ENGINEER DO NOT GUARANTEE THEIR ACCURACY. THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT HIS OWN EXPENSE.
6. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 8-1-1 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE TELEVISION FACILITIES (48 HOURS NOTIFICATIONS IS REQUIRED). THE CONTRACTOR SHALL CONTACT IDOT'S BUREAU OF MATERIALS (PHONE 847-705-4337) AT LEAST 24 HOURS BEFORE PLACING HOT MIX ASPHALT OR PORTLAND CEMENT CONCRETE.

STAKING

7. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE ENGINEER, ITS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

WATER, STORM SEWER AND SANITARY SEWER

8. THE USE OF WATER FROM VILLAGE OF HUNTLEY HYDRANTS IS PROHIBITED. WATER IS AVAILABLE AT AND THROUGH COORDINATION WITH THE VILLAGE'S PUBLIC WORKS DEPARTMENT.

MISCELLANEOUS

9. DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
10. ALL SAWCUTTING SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL. ANY ITEMS OF WORK REMOVED PRIOR TO SAWCUTTING WILL NOT BE MEASURED FOR PAYMENT.

MAINTENANCE OF TRAFFIC

1. THE CONTRACTOR SHALL NOTIFY TIM FARRELL, DIRECTOR OF PUBLIC WORKS AND ENGINEERING FOR THE VILLAGE OF HUNTLEY AT (847) 515-5285 AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK AND COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER.
2. THE CONTRACTOR SHALL CONTACT THE IDOT ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ANY OTHER ROADWAY PROJECTS WITHIN THE AREA THAT ARE UNDER CONSTRUCTION AT THE SAME TIME.
4. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PERMANENT TRAFFIC SIGNAL EQUIPMENT AND APPURTENANCES.
5. WORK REQUIRING A CLOSURE OF A LANE WILL BE ALLOWED AT THE DISCRETION OF THE ENGINEER AND UNDER THE FOLLOWING CONDITIONS:
 - a. THE LANE CLOSURE SHALL ONLY BE IN EFFECT WHILE WORKERS ARE PRESENT IN OR NEAR THE CLOSED LANE.
 - b. THE CLOSED LANE WILL BE OPENED TO TRAFFIC IN ACCORDANCE WITH THE SPECIAL PROVISION FOR "KEEPING ARTERIAL ROADS OPEN TO TRAFFIC (LANE CLOSURES ONLY)".
 - c. ALL TRAFFIC CONTROL DEVICES PERTAINING TO THE LANE CLOSURE SHALL BE REMOVED FROM THE ROADWAY AT THE END OF THE WORKDAY.
6. THE CONTRACTOR SHALL REMOVE EXISTING PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKINGS WHICH CONFLICT WITH TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH ARTICLE 783.03. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE PAID FOR AS PAVEMENT MARKING REMOVAL – GRINDING (X0327979).
7. SEE TRAFFIC SIGNAL PLANS FOR TEMPORARY TRAFFIC SIGNALS.

11. PATCHING, CURB AND GUTTER REMOVAL AND REPLACEMENT, SIDEWALK REMOVAL AND REPLACEMENT, DRIVEWAY REMOVAL AND REPLACEMENT AND STRUCTURES TO BE ADJUSTED WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
12. WHEN REMOVING PAVEMENT, CURB AND GUTTER, SHOULDER, AND/OR OTHER STRUCTURES, THE USE OF ANY TYPE OF CONCRETE BREAKERS, WHICH MIGHT DAMAGE UNDERGROUND PUBLIC OR PRIVATE UTILITIES, WILL NOT BE PERMITTED. UNDER NO CIRCUMSTANCES WILL THE USE OF A FROST BALL BE PERMITTED. THE CONTRACTOR IS PROHIBITED FROM BREAKING UP CONCRETE BY DROPPING IT ON THE PAVEMENT OR IN ANY OTHER MANNER, WHICH IN THE OPINION OF THE ENGINEER MAY DAMAGE EXISTING OR PROPOSED PAVEMENTS OR OTHER ROADWAY APPURTENANCES.
13. NO CONSTRUCTION SHALL BEGIN UNTIL ALL PROPER TEMPORARY SIGNS AND BARRICADES HAVE BEEN INSTALLED.
14. TWO WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE RE SHALL CONTACT MR. DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER AT DON.CHIARUGI@ILLINOIS.GOV
15. THE SIDE CURB CALLED ON IDOT STANDARD 424011-02 (CORNER PARALLEL CURB RAMPS FOR SIDEWALKS) SHALL BE USED AS DIRECTED BY THE ENGINEER AND PAID AS CONCRETE CURB, TYPE B.
16. THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" AND AROUND EXISTING WETLANDS TO ESTABLISH A "WETLAND PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOB SITE. NO WORK IS TO BE PERFORMED, OTHER THAN ROOT PRUNING, MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE TREE PROTECTION ZONE AND WETLAND PROTECTION ZONE. REMOVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
17. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

FILE NAME =	USER NAME = jstirick	DESIGNED -- SNS	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 47 MULTI-USE PATH GENERAL NOTES AND MOT GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Huntley\070103\070103.00057\C:\v\INGEN	070103.57.SHT	DRAWN -- ELA	REVISED --			0326	14-00041-00-BT	KANE	106	3
Default	PLOT SCALE = 3'	CHECKED -- MEK	REVISED --			CONTRACT NO. 61D43				
	PLOT DATE = 11/2/2016	DATE --	REVISED --			ILLINOIS FED. AID PROJECT				
						SCALE: NTS	SHEET 1 OF 1 SHEETS	STA. ---	TO STA. ---	

SUMMARY OF QUANTITIES

0028 0028 0042

CODED PAY ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SIGNALS & PAVEMENT MARKING	PATH	TRAINEES
Δ 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	26		26	
20101000	TEMPORARY FENCE	FOOT	1000		1000	
20200100	EARTH EXCAVATION	CU YD	1136		1136	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1919		1919	
20400800	FURNISHED EXCAVATION	CU YD	1645		1645	
20800150	TRENCH BACKFILL	CU YD	27		27	
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	1771		1771	
Δ 25000210	SEEDING, CLASS 2A	ACRE	2.7		2.7	
Δ 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	241		241	
Δ 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	241		241	
Δ 25000750	MOWING	ACRE	2.7		2.7	
25100630	EROSION CONTROL BLANKET	SQ YD	12982		12982	
Δ 25200200	SUPPLEMENTAL WATERING	UNIT	41		41	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	306		306	
28000305	TEMPORARY DITCH CHECKS	FOOT	516		516	
28000400	PERIMETER EROSION BARRIER	FOOT	7163		7163	
28000500	INLET AND PIPE PROTECTION	EACH	10		10	
28100109	STONE RIPRAP, CLASS A5	SQ YD	76		76	
28200200	FILTER FABRIC	SQ YD	1932		1932	
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	250		250	
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	1400		1400	
35101582	AGGREGATE BASE COURSE, TYPE B 2"	SQ YD	665		665	
35102100	AGGREGATE BASE COURSE, TYPE B 9"	SQ YD	4901		4901	
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	900		900	
40701881	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"	SQ YD	31		31	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1237		1237	
42400400	PORTLAND CEMENT CONCRETE SIDEWALK 7 INCH	SQ FT	4748		4748	
42400800	DETECTABLE WARNINGS	SQ FT	744		744	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	537		537	
44000600	SIDEWALK REMOVAL	SQ FT	463		463	
52200700	PRECAST MODULAR RETAINING WALL	SQ FT	1400		1400	
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	3		3	
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1		1	
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	2		2	

0028 0028 0042

CODED PAY ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SIGNALS & PAVEMENT MARKING	PATH	TRAINEES
54244405	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	EACH	1		1	
54247150	GRATING FOR CONCRETE FLARED END SECTION 30"	EACH	2		2	
54248510	CONCRETE COLLAR	CU YD	9		9	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	475		475	
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	22		22	
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	5		5	
550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	13		13	
55100500	STORM SEWER REMOVAL 12"	FOOT	87		87	
55100700	STORM SEWER REMOVAL 15"	FOOT	13		13	
Δ 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	1		1	
Δ 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	1		1	
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4		4	
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	34		34	
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	1176		1176	
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	2		2	
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1		1	
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3		3	
60250500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2		2	
60253100	CATCH BASINS TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1		1	
60255500	MANHOLES TO BE ADJUSTED	EACH	13		13	
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	5		5	
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1		1	
60266100	VALVE VAULTS TO BE RECONSTRUCTED	EACH	1		1	
60500050	REMOVING CATCH BASINS	EACH	2		2	
60600605	CONCRETE CURB, TYPE B	FOOT	255		255	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	199		199	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	341		341	
Δ 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	480		480	
Δ 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1		1	
Δ 66900530	SOIL DISPOSAL ANALYSIS	EACH	6		6	
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	7		7	
67100100	MOBILIZATION	LSUM	1		1	
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	LSUM	1		1	
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	LSUM	1		1	

Δ INDICATES SPECIALTY ITEM

SUMMARY OF QUANTITIES

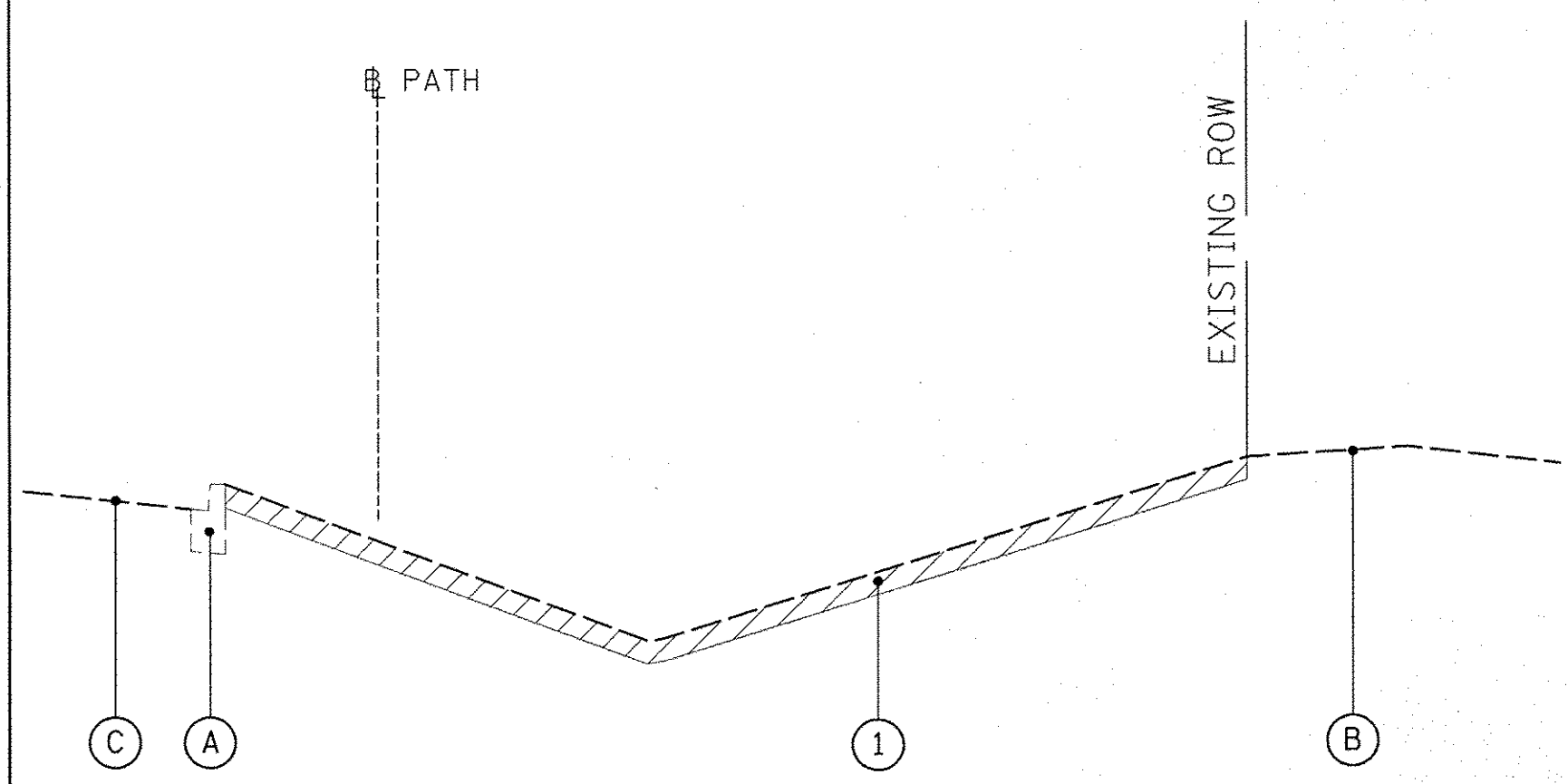
0028 0028 0042

CODED PAY ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SIGNALS & PAVEMENT MARKING	PATH	TRAINEES
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1		1	
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	LSUM	1		1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1		1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1		1	
Δ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	37	37		
Δ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1975	1975		
Δ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2714	2714		
Δ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	181	181		
Δ 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	96	96		
Δ 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	10	10		
Δ 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	231	231		
Δ 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	220	220		
Δ 81400300	DOUBLE HANDHOLE	EACH	2	2		
Δ 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3	3		
Δ 87300010	GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	1	1		
Δ 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4363	4363		
Δ 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2186	2186		
Δ 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3551	3551		
Δ 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4224	4224		
Δ 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	798	798		
Δ 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1923	1923		
Δ 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	19	19		
Δ 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	874	874		
Δ 87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	6	6		
Δ 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1	1		
Δ 87700404	STEEL MAST ARM ASSEMBLY AND POLE, 62 FT.	EACH	1	1		
Δ 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	40	40		
Δ 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4	4		
Δ 87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21	21		
Δ 87900200	DRILL EXISTING HANDHOLE	EACH	45	45		
Δ 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	16	16		
Δ 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	1	1		
Δ 88600100	DETECTOR LOOP, TYPE I	FOOT	1868	1868		

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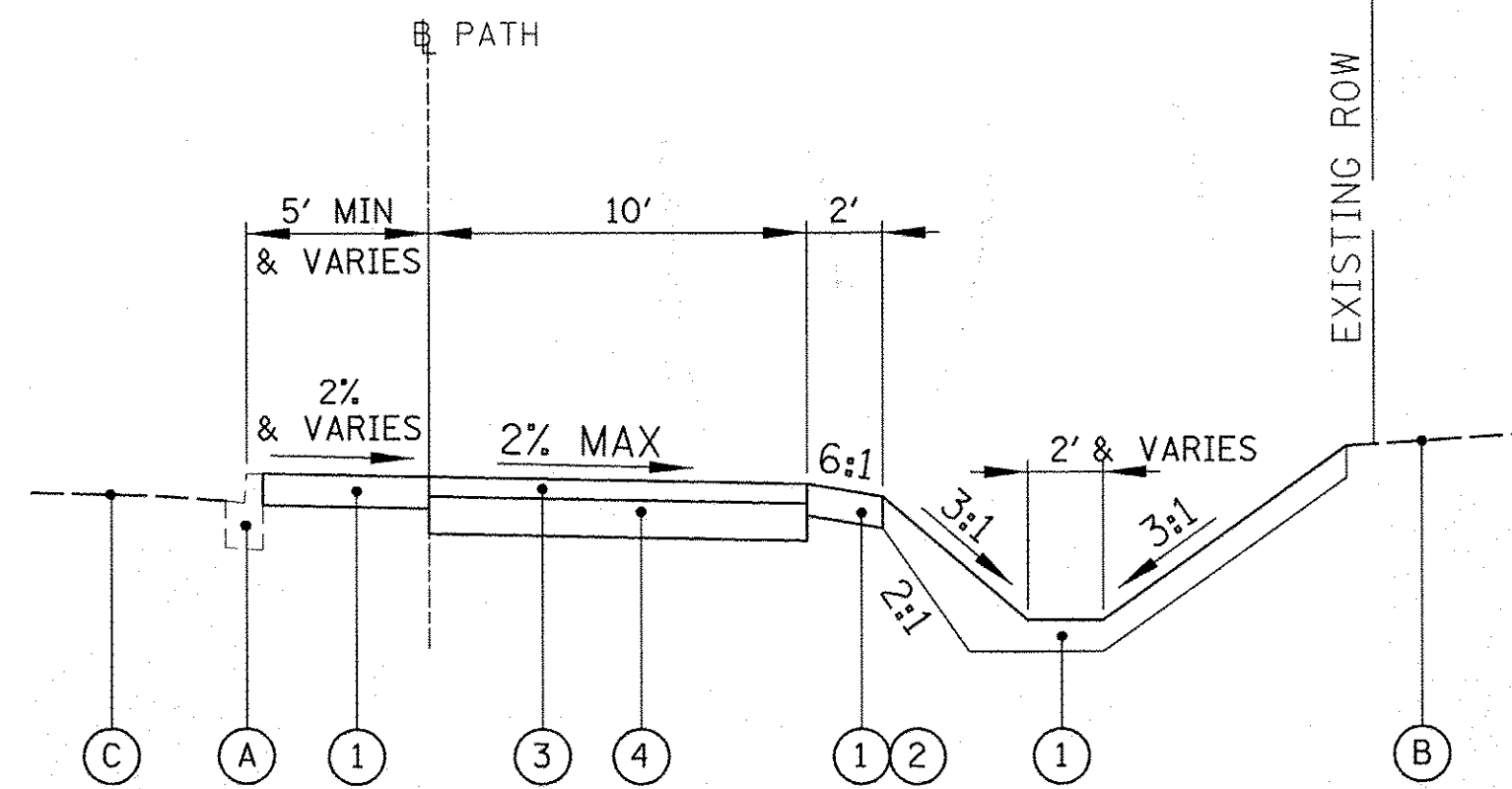
CODED PAY ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SIGNALS & PAVEMENT MARKING	PATH	TRAINEES
Δ 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1		
Δ 89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	6	6		
Δ 89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1	1		
Δ 89501420	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, COMPLETE	EACH	1	1		
Δ 89502200	MODIFY EXISTING CONTROLLER	EACH	4	4		
Δ 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	18539	18539		
Δ 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2	2		
Δ 89502380	REMOVE EXISTING HANDHOLE	EACH	4	4		
Δ 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	2	2		
Δ A2004514	TREE, GINKGO BILOBA AUTUMN GOLD (AUTUMN GOLD GINKGO), 2-1/2" CALIPER BALLED AND BURLAPPED	EACH	3		3	
X0322936	REMOVE EXISTING FLARED END SECTION	EACH	7		7	
X0323265	REMOVE EXISTING RIPRAP	SQ YD	52		52	
Δ X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1003	1003		
Δ X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	4216	4216		
Δ X0326656	RELOCATE EXISTING TRAFFIC SIGNAL CONTROLLER AND CABINET, COMPLETE	EACH	1	1		
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	410	410		
X4060310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, SPECIAL	TON	223		223	
X4403800	MEDIAN SURFACE REMOVAL	SQ FT	1637		1637	
Δ X5091725	BICYCLE RAILING, SPECIAL	FOOT	230		230	
X6011605	PIPE DRAINS 4" (SPECIAL)	FOOT	10		10	
X6060500	CORRUGATED MEDIAN REMOVAL	SQ FT	32		32	
Δ X8100105	CONDUIT SPLICE	EACH	6	6		
Δ X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	4415	4415		
Δ X8760055	PEDESTRIAN PUSH-BUTTON POST, TYPE A	EACH	2	2		
Δ X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	17	17		
Δ XX005800	RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM	EACH	1	1		
Z0013798	CONSTRUCTION LAYOUT	LSUM	1		1	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52		52	
Δ Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	4	4		
Z0076600	TRAINEES	HOUR				500
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR				500

Δ INDICATES SPECIALTY ITEM



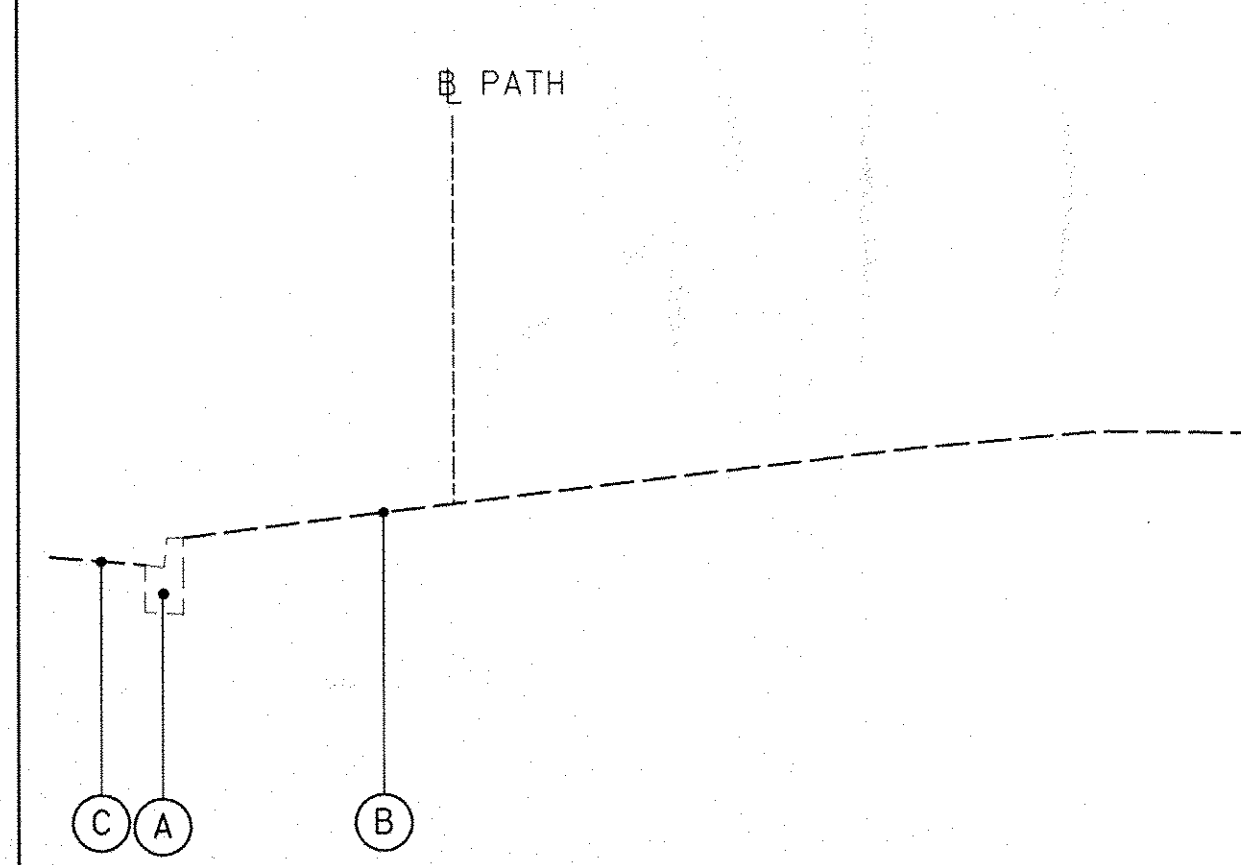
EXISTING TYPICAL SECTION

IL RT 47
STA. 15+93 TO STA. 74+64



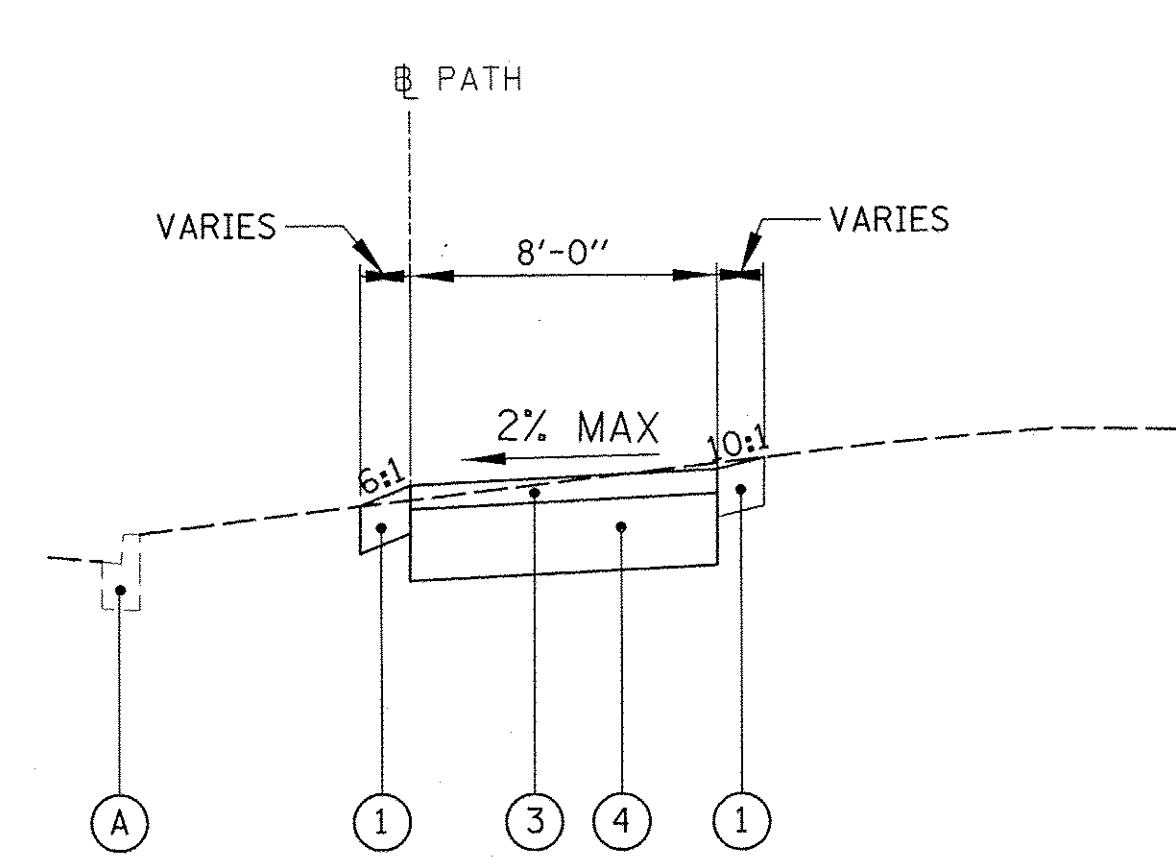
PROPOSED TYPICAL SECTION

IL RT 47
STA 15+93 TO STA 21+21
STA 23+51 TO STA 43+05
STA 55+00 TO STA 74+64



EXISTING TYPICAL SECTION

DEL WEBB BLVD
STA. 10+00 TO STA. 13+37



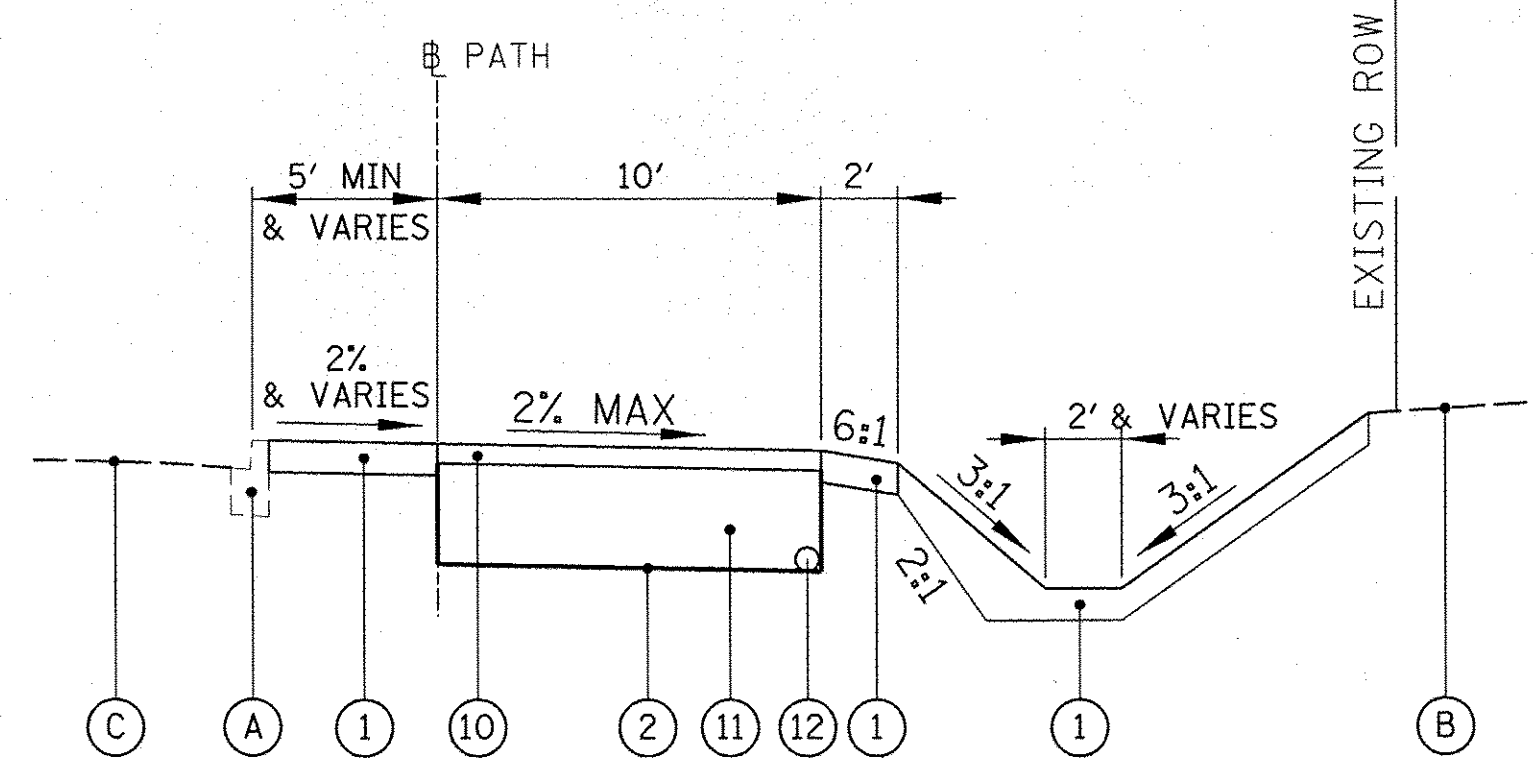
PROPOSED TYPICAL SECTION

DEL WEBB BLVD
STA. 10+00 TO STA. 13+37

LEGEND

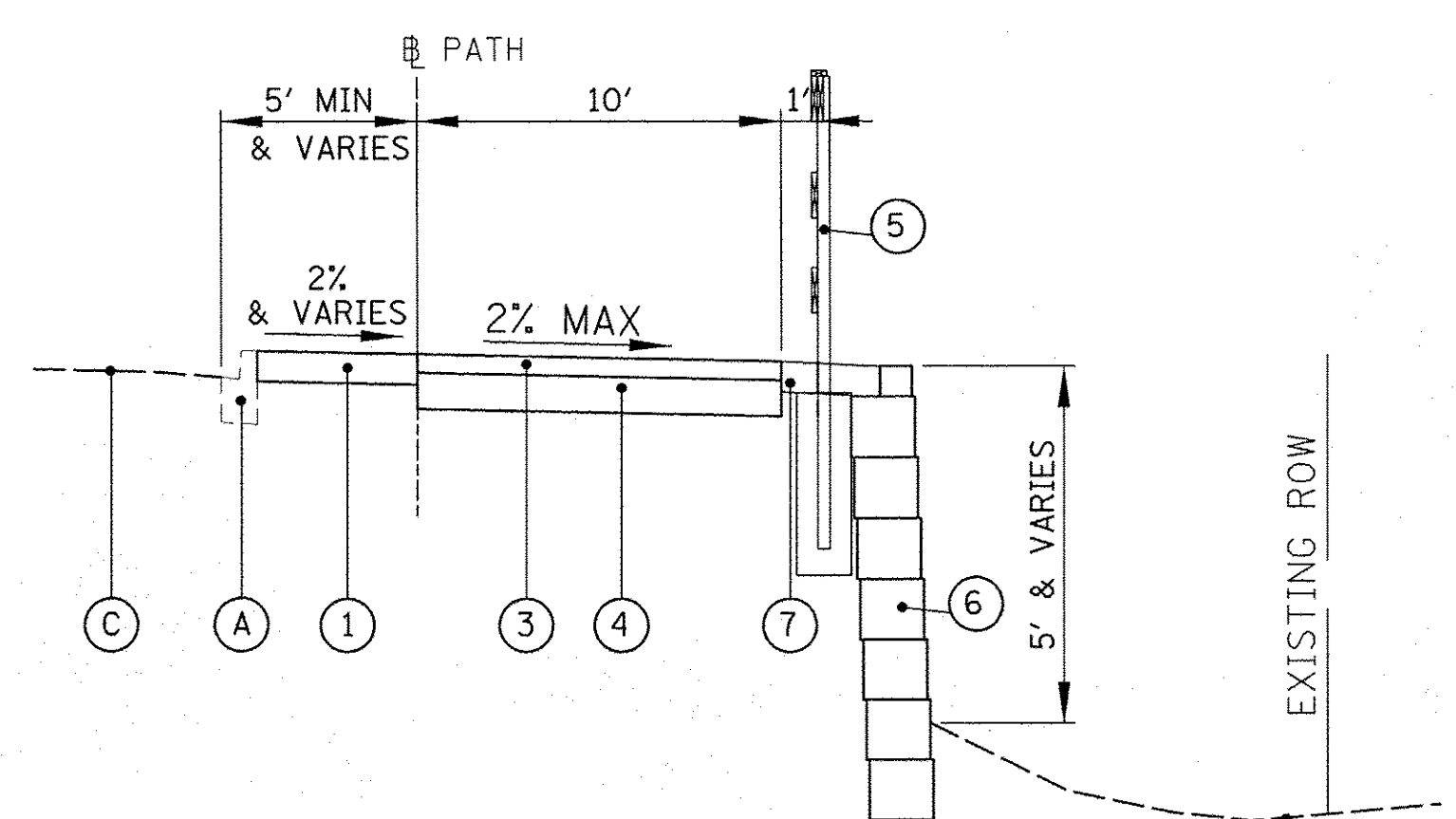
- REMOVAL ITEMS
- (A) EXISTING CONCRETE CURB AND GUTTER
- (B) EXISTING GROUND
- (C) EXISTING ROADWAY
- (1) TOPSOIL EXCAVATION AND PLACEMENT (21101505)
SEEDING, CLASS 2A (25000210),
EROSION CONTROL BLANKET (25100630)
- (2) FILTER FABRIC (28200200)
(WRAP BOTTOM AND SIDES OF AGGREGATE SUBGRADE IMPROVEMENT 12")
- (3) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (3") (40603335)
- (4) AGGREGATE BASE COURSE, TYPE B 9" (35102100)
- (5) BICYCLE RAILING, SPECIAL (X5091725)
- (6) PRECAST MODULAR RETAINING WALL (52200700)
- (7) AGGREGATE SHOULDERS, TYPE B, 4" (48101498)
-INCLUDED IN COST OF BICYCLE RAILING, SPECIAL
- (8) PORTLAND CEMENT CONCRETE SIDEWALK 5" (42400200)
- (9) AGGREGATE BASE COURSE, TYPE B 2" (35101582)
- (10) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, SPECIAL (3") (X4060310)
- (11) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)*
(CAPPING AGGREGATE TO BE CA-7)
- (12) PIPE UNDERDRAINS, TYPE 2, 4" (60108204)

* VOIDS USED FOR DETENTION STORAGE



PROPOSED TYPICAL SECTION

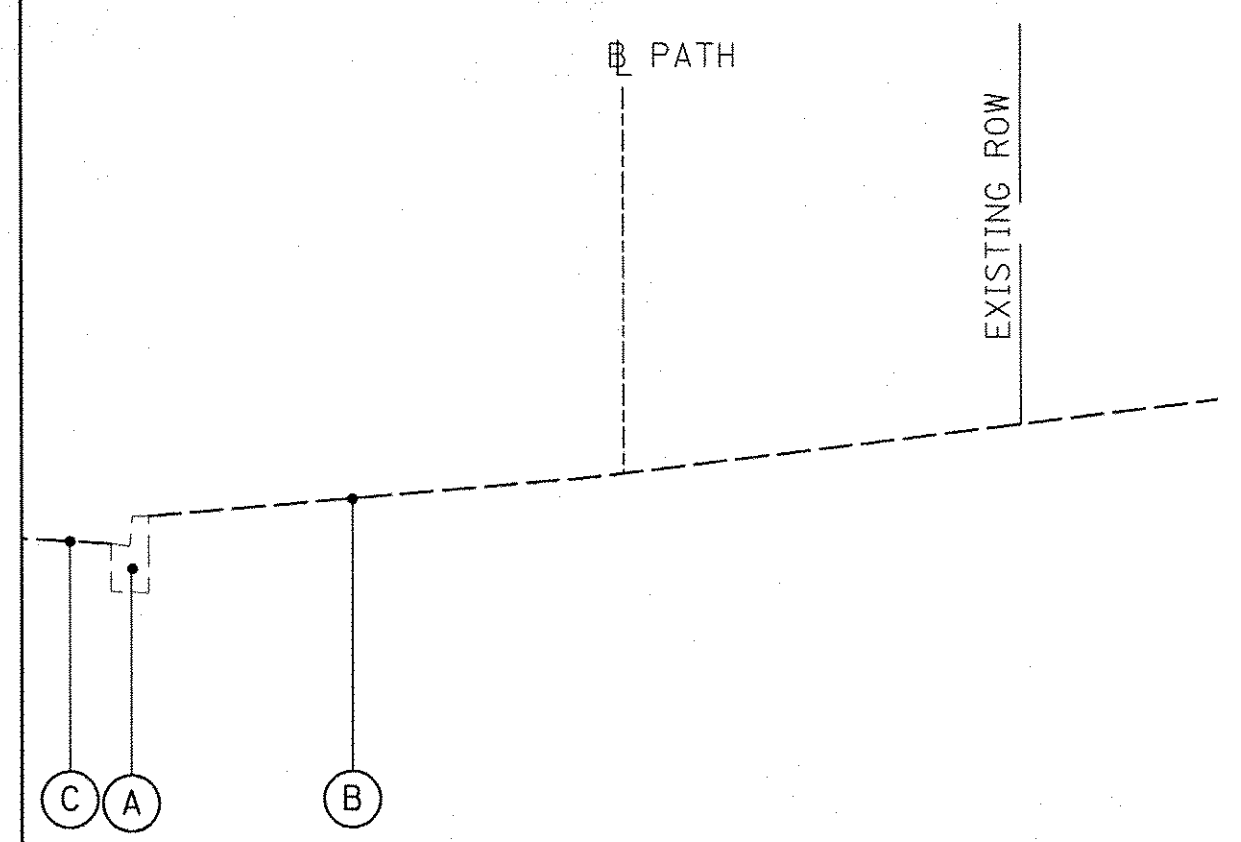
IL RT 47
STA 43+05 TO STA 55+00



PROPOSED TYPICAL SECTION

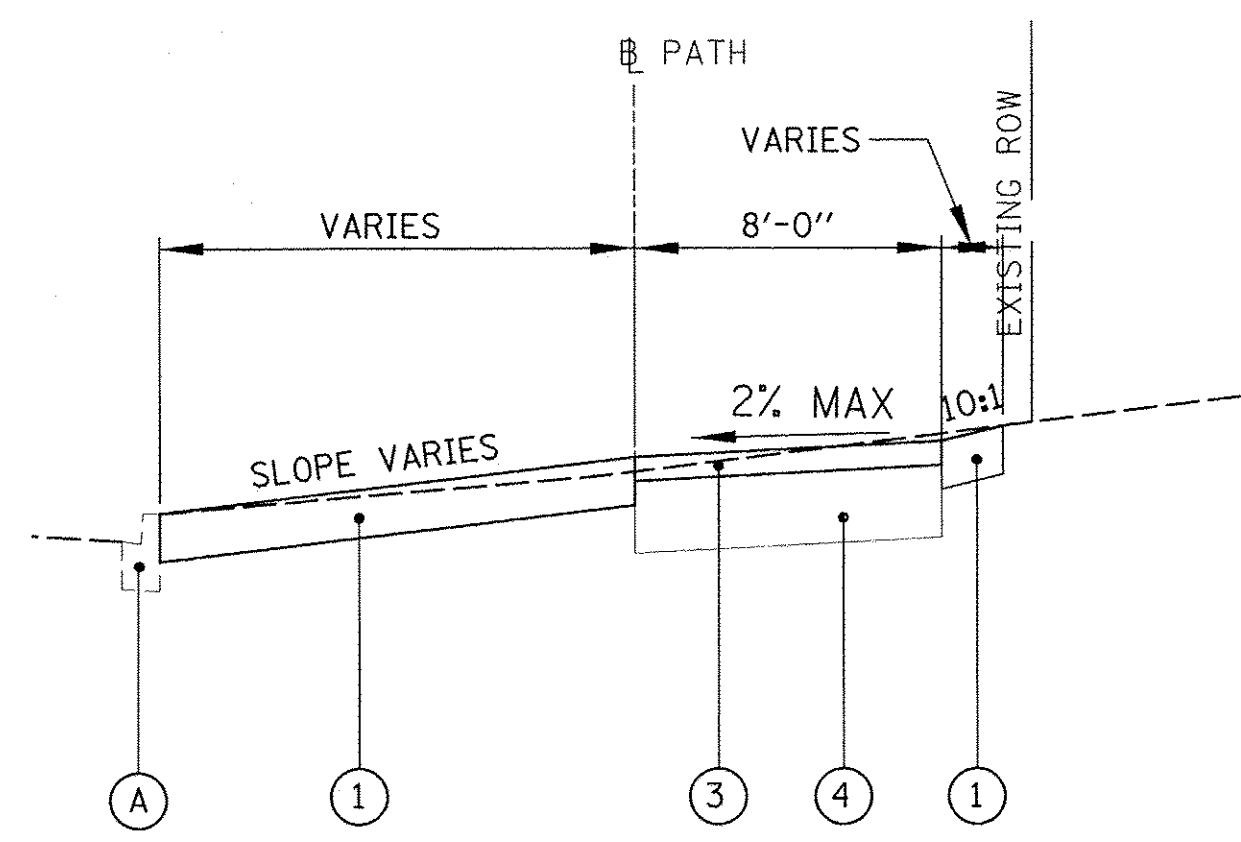
IL RT 47
STA 21+21 TO STA 23+51

***HMA TABLE NOTES:**
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT MATERIAL IS 112 LB/SQ YD/IN.
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 RECYCLED MATERIALS SEE SPECIAL PROVISIONS.



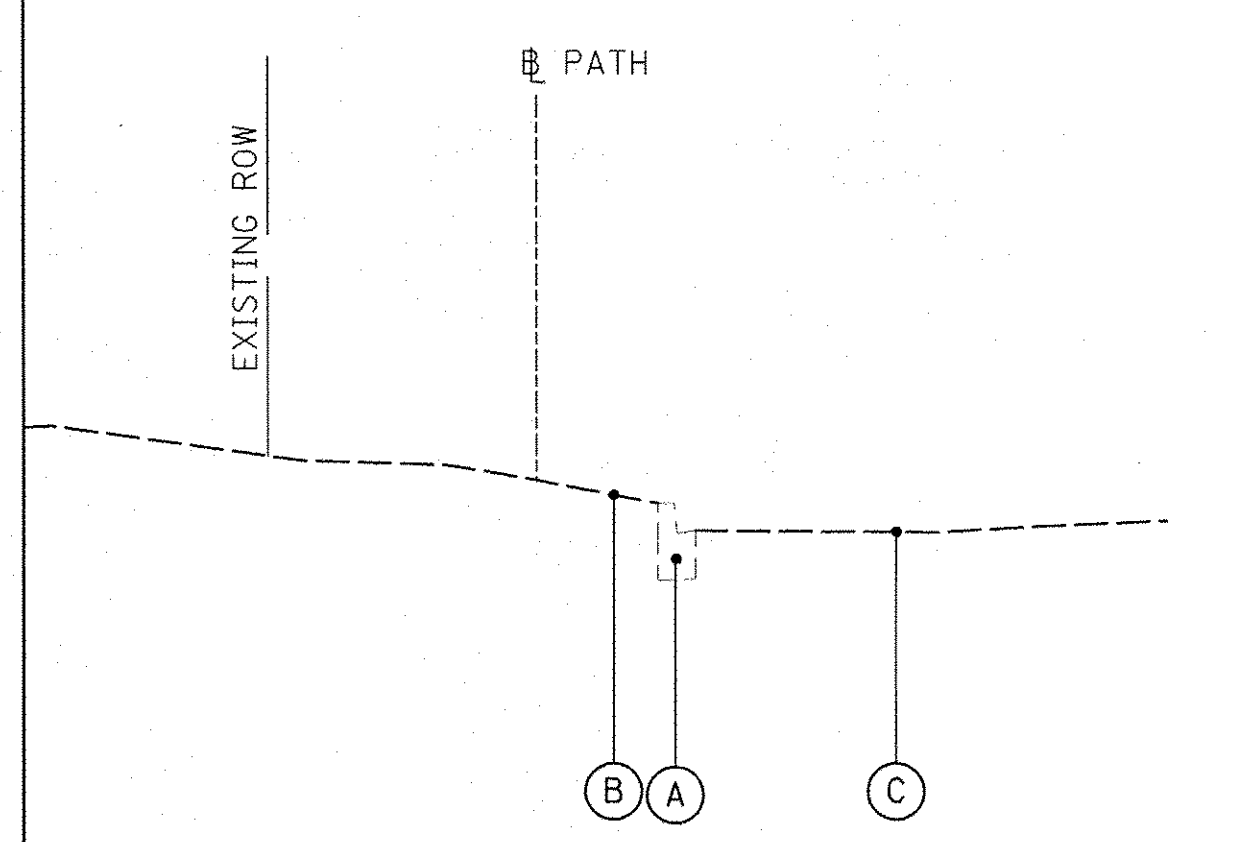
EXISTING TYPICAL SECTION

OAK CREEK PKWY
STA. 100+27 TO STA. 103+26



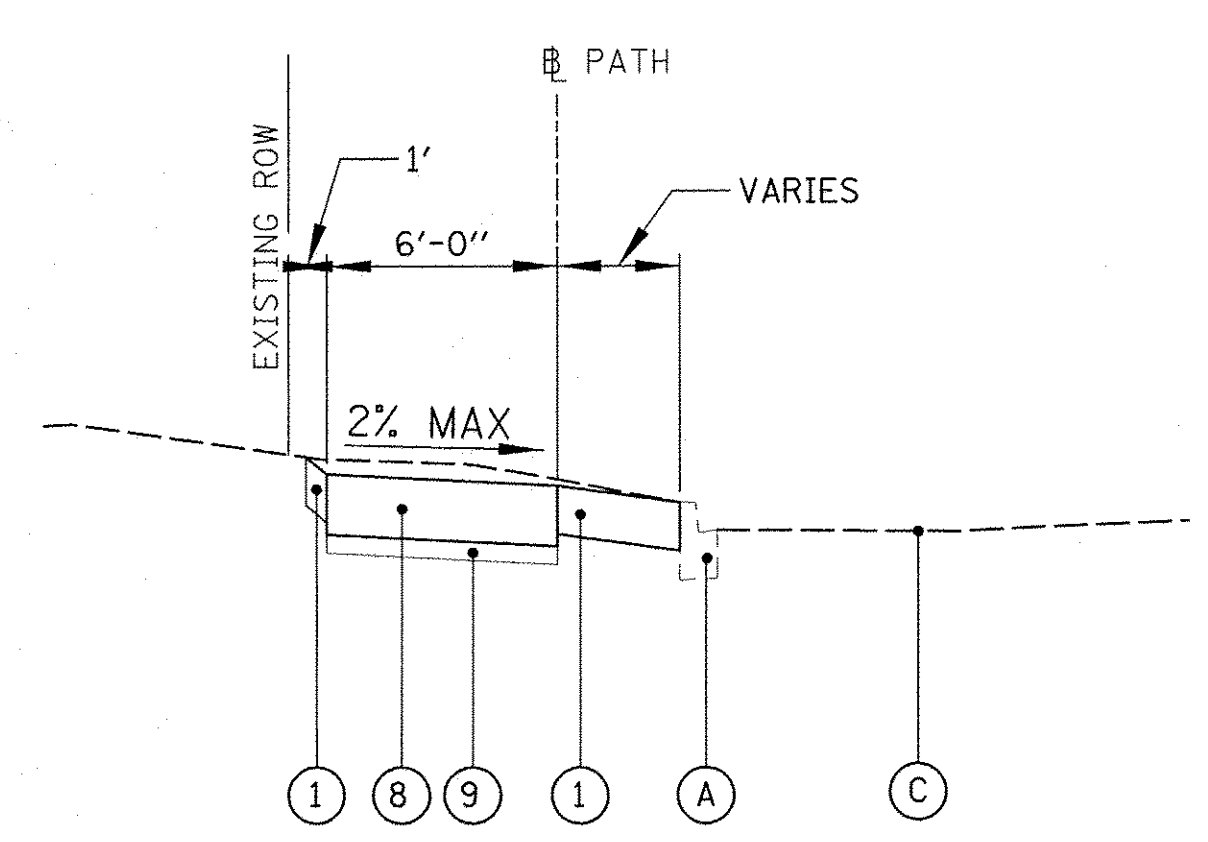
PROPOSED TYPICAL SECTION

OAK CREEK PKWY
STA. 100+27 TO STA. 103+26



EXISTING TYPICAL SECTION

REGENCY PKWY
STA. 202+11 TO STA. 204+52



PROPOSED TYPICAL SECTION

REGENCY PKWY
STA. 202+11 TO STA. 204+52

HOT-MIX ASPHALT MIXTURE REQUIREMENTS*	
MIXTURE TYPE	AIR VOIDS @ NDES
MULTI-USE PATH	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 3" (2-1 1/2" LIFTS)	4% @ 50 GYR.
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10" (40701881)	4% @ 50 GYR.
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 1-1/2" HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50; (2-3" LIFTS, 1-2 1/2" LIFT)	4% @ 50 GYR.
MULTI-USE PATH (PERMEABLE PAVEMENT)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, SPECIAL; 3" SEE SPECIAL PROVISIONS	SEE SPECIAL PROVISIONS

FILE NAME =	USER NAME = jsitrick	DESIGNED - SNS	REVISED -
N:\Huntley\070103\070103.00057\CA\1\TYP	070103.57.SHT	DRAWN - ELA	REVISED -
Default	PLOT SCALE = 28'	CHECKED - MEK	REVISED -
	PLOT DATE = 11/2/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL RTE 47 MULTI-USE PATH TYPICAL CROSS SECTIONS		F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 6
SCALE:	SHEET 1 OF 1 SHEETS	STA. ---	TO STA. ---	ILLINOIS FED. AID PROJECT		

EARTHWORK SCHEDULE									
STATION	20200100			EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	21101505		20201200	
	EARTH EXCAVATION	EARTH EXCAVATION VOLUME USED (15% SHRINKAGE)				TOPSOIL EXCAVATION AND PLACEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL		
IL ROUTE 47	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	
10+00 TO 11+00	0.0	0.0	16.1	-16.1	7.4	46.1			
11+00 TO 12+00	0.0	0.0	16.1	-16.1	4.8	43.0			
12+00 TO 13+00	0.0	0.0	16.9	-16.9	4.4	42.6			
13+00 TO 13+37	0.5	0.5	5.9	-5.4	3.6	18.2			
OAK CREEK PARKWAY									
15+85 TO 16+50	14.1	12.0	12.6	-0.7	21.8	11.3			
16+50 TO 17+00	2.6	2.2	29.4	-27.1	19.0	10.2			
17+00 TO 18+00	3.7	3.1	103.7	-100.6	38.1	22.0			
18+00 TO 19+00	2.4	2.0	143.3	-141.3	42.4	23.5			
19+00 TO 20+00	2.0	1.7	181.7	-179.9	44.8	24.8			
20+00 TO 21+00	0.0	0.0	215.2	-215.2	42.2	25.7			
21+00 TO 21+50	1.1	0.9	78.0	-77.0	12.5	14.4			
21+50 TO 22+00	1.5	1.3	49.6	-48.4	4.4	16.0			
22+00 TO 22+50	0.7	0.6	55.2	-54.6	4.4	16.0			
22+50 TO 23+00	1.0	0.9	54.2	-53.3	4.4	16.2			
23+00 TO 23+50	0.9	0.8	51.0	-50.2	4.5	16.6			
23+50 TO 24+00	0.3	0.2	66.4	-66.2	12.3	14.5			
24+00 TO 25+00	1.3	1.1	101.3	-100.2	33.1	22.2			
25+00 TO 26+00	5.2	4.4	22.4	-18.0	25.6	19.3			
26+00 TO 27+00	10.4	8.8	7.8	1.0	24.4	18.7			
27+00 TO 28+00	9.3	7.9	4.8	3.1	22.2	18.7			
28+00 TO 29+00	10.2	8.7	3.7	5.0	20.6	18.7			
29+00 TO 29+64	13.5	11.5	0.7	10.8	11.0	11.9			
HUNTLEY CROSSINGS									
31+36 TO 32+00	19.7	16.7	0.8	15.9	12.3	2.5			
32+00 TO 33+00	50.9	43.3	3.1	40.1	31.5	-0.6			
33+00 TO 34+00	69.6	59.2	15.7	43.4	39.6	-3.1			
34+00 TO 35+00	40.7	34.6	20.9	13.7	37.0	-1.9			
35+00 TO 36+00	33.7	28.6	9.3	19.4	33.7	-1.1			
36+00 TO 37+00	44.3	37.6	3.1	34.5	31.5	-0.6			
37+00 TO 41+37	48.5	41.2	0.9	40.3	26.1	1.1			
38+00 TO 41+37	48.0	40.8	0.0	40.8	22.4	2.2			
39+00 TO 41+37	34.6	29.4	0.0	29.4	20.4	3.3			
40+00 TO 41+37	17.8	15.1	3.6	11.5	23.3	6.9			
POWERS ROAD									
42+88 TO 43+50	7.5	6.3	10.0	-3.6	11.5	34.4			
43+50 TO 44+00	9.3	7.9	14.7	-6.9	15.9	35.0			
44+00 TO 45+00	22.0	18.7	43.7	-25.0	34.4	75.2			
45+00 TO 46+00	7.2	6.1	83.3	-77.2	30.7	74.8			
46+00 TO 47+00	2.2	1.9	148.1	-146.3	35.4	83.7			
47+00 TO 48+00	2.2	1.9	219.3	-217.4	39.3	90.7			
48+00 TO 49+00	1.3	1.1	209.8	-208.7	38.9	72.4			
49+00 TO 50+00	13.1	11.2	110.7	-99.6	38.3	51.9			
50+00 TO 51+00	22.0	18.7	51.9	-33.1	34.8	47.2			
51+00 TO 52+00	10.2	8.7	75.2	-66.5	28.9	43.9			
52+00 TO 53+00	0.6	0.5	81.1	-80.6	22.8	40.6			
53+00 TO 54+00	0.9	0.8	53.3	-52.5	20.4	37.6			
54+00 TO 54+50	0.6	0.6	19.5	-19.0	9.6	17.9			
54+50 TO 55+17	7.7	6.5	10.2	-3.6	7.7	21.1			
REGENCY PARKWAY									
56+36 TO 58+00	93.2	79.3	0.6	78.6	38.3	17.3			
58+00 TO 59+00	50.2	42.7	22.6	20.1	36.9	10.2			
59+00 TO 60+00	15.4	13.1	63.0	-49.9	41.9	11.3			
60+00 TO 61+00	12.2	10.4	93.7	-83.3	40.6	-0.7			
61+00 TO 62+00	7.6	6.5	138.1	-131.7	36.9	-10.7			
62+00 TO 63+00	18.7	15.9	113.1	-97.3	37.6	-11.9			
63+00 TO 64+00	28.5	24.2	79.1	-54.8	40.7	-15.0			
64+00 TO 65+00	43.7	37.1	75.2	-38.0	47.6	-18.3			
65+00 TO 66+00	45.2	38.4	38.7	-0.3	45.6	-17.0			
66+00 TO 66+46	8.6	7.3	27.5	-20.2	17.1	-5.5			
66+46 TO 67+00	39.4	33.5	15.4	18.2	32.8	-10.6			
67+00 TO 68+12	86.9	73.9	0.8	73.0	27.8	-7.9			
WALMART ENTRANCE									
69+29 TO 70+00	0.0	0.0	74.0	-74.0	15.1	58.0			
70+00 TO 71+00	0.2	0.2	163.9	-163.7	31.1	106.1			
71+00 TO 72+00	1.7	1.4	190.0	-188.6	38.3	120.9			
72+00 TO 73+00	3.3	2.8	159.4	-156.6	35.6	85.7			
73+00 TO 74+00	11.7	9.9	123.1	-113.2	37.4	52.0			
74+00 TO 74+79	16.5	14.1	50.8	-36.7	29.3	36.3			
IL 47 SUBTOTAL	1078.5	916.7	3853.5	-2936.7	1685.0	1606.1			
100+27 TO 101+00	10.3	8.7	0.7	8.1	16.2	10.8			
101+00 TO 101+43	8.6	7.3	0.3	7.0	6.6	6.5			
DRIVEWAY									
102+02 TO 102+50	8.0	6.8	0.9	5.9	11.7	7.2			
102+50 TO 103+26	10.0	8.5	2.0	6.5	17.3	11.4			
OAK CREEK SUBTOTAL	36.9	31.3	3.9	27.5	51.9	35.9			
202+11 TO 202+50	5.1	4.4	0.0	4.4	5.9	4.4			
202+50 TO 203+00	4.4	3.8	0.1	3.7	10.5	5.8			
203+00 TO 203+50	3.3	2.8	0.4	2.5	9.6	5.7			
203+50 TO 204+00	3.7	3.1	0.3	2.9	6.2	5.6			
204+00 TO 204+52	4.4	3.8	0.0	3.8	2.3	5.8			
REGENCY SUBTOTAL	21.0	17.9	0.7	17.1	34.5	27.3			

SUMMARY			
20200100	20400800	21101505	20201200
EARTH EXCAVATION	FURNISHED EXCAVATION	TOPSOIL EXCAVATION AND PLACEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
(CU YD)	(CU YD)	(CU YD)	(CU YD)
1,136	2,982 *	1,771	1,669 *

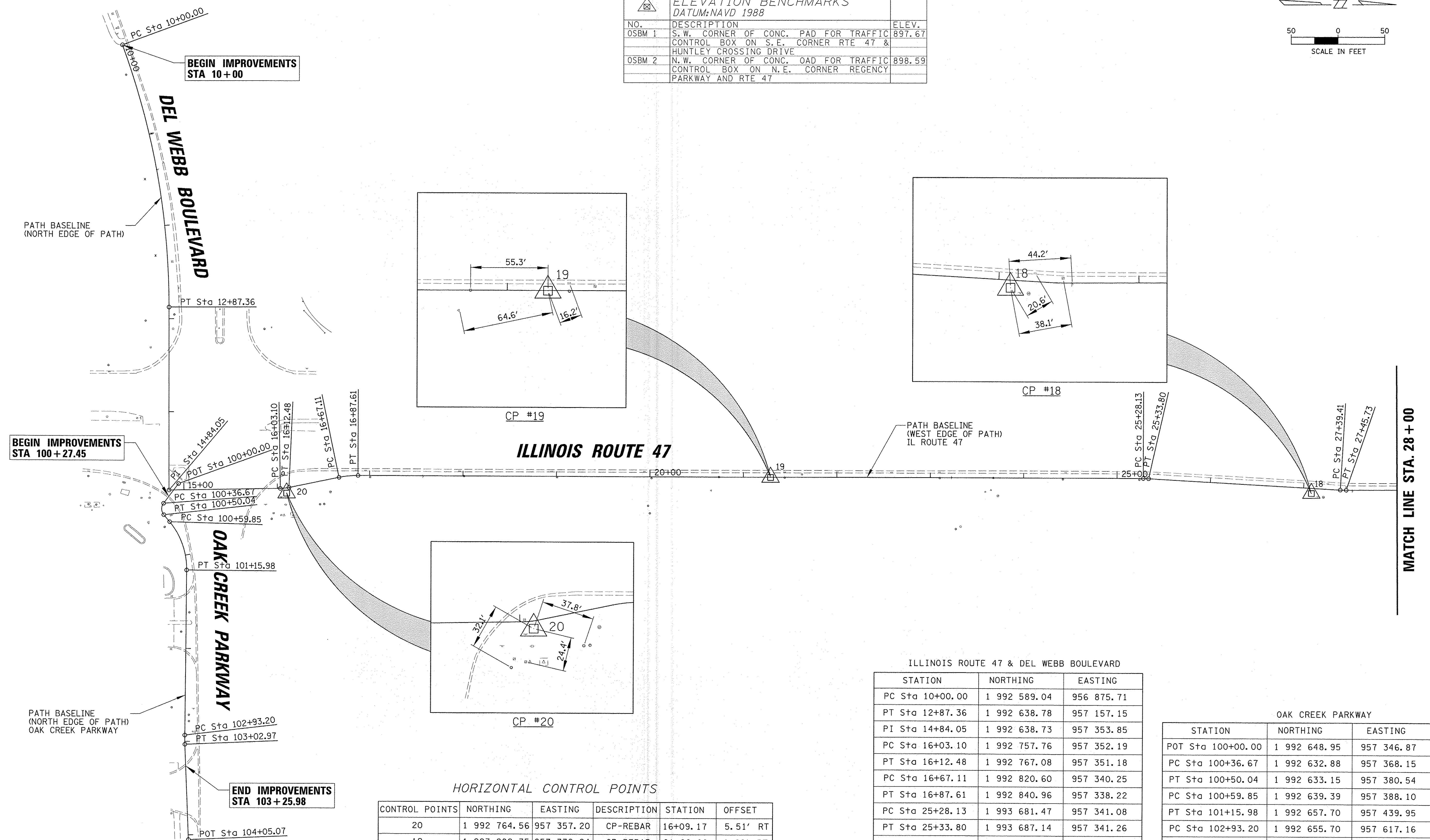
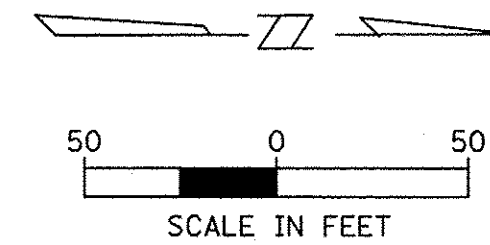
NOTES:

TOPSOIL SHALL BE STRIPPED AND STOCKPILED WITHIN THE RIGHT-OF-WAY OR THE 100' LANDSCAPE BUFFER EASEMENT. ALL STOCKPILE LOCATIONS SHALL BE APPROVED BY THE ENGINEER. THE STOCKPILED TOPSOIL SHALL BE SPREAD TO A MINIMUM DEPTH OF 4" ON ALL DISTURBED AREAS AFTER GRADING IS COMPLETE. THIS WORK WILL BE PAID FOR AS "TOPSOIL EXCAVATION AND PLACEMENT".

STOCKPILED TOPSOIL SHALL BE SEEDED WITH "TEMPORARY EROSION CONTROL SEEDING".

* EXCESS TOPSOIL (REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL) SHALL BE STOCKPILED IN VILLAGE LANDSCAPE EASEMENT AND USED AS FURNISHED EXCAVATION OUTSIDE OF THE EMBANKMENT CONE AS DIRECTED AND APPROVED BY ENGINEER. THE EMBANKMENT CONE SHALL BE DEFINED AS A FILL AREA AT A 2:1 SLOPE.

ELEVATION BENCHMARKS DATUM: NAVD 1988		
NO.	DESCRIPTION	ELEV.
OSBM 1	S.W. CORNER OF CONC. PAD FOR TRAFFIC CONTROL BOX ON S.E. CORNER RTE 47 & HUNTLEY CROSSING DRIVE	897.67
OSBM 2	N.W. CORNER OF CONC. PAD FOR TRAFFIC CONTROL BOX ON N.E. CORNER REGENCY PARKWAY AND RTE 47	898.59



ILLINOIS ROUTE 47

DEL WEBB BOULEVARD

OAK CREEK PARKWAY

HORIZONTAL CONTROL POINTS

CONTROL POINTS	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
20	1 992 764.56	957 357.20	CP-REBAR	16+09.17	5.51' RT
19	1 993 282.35	957 339.94	CP-REBAR	21+29.00	0.22' RT
18	1 993 861.36	957 357.23	CP-REBAR	27+08.66	5.48' RT

ILLINOIS ROUTE 47 & DEL WEBB BOULEVARD

STATION	NORTHING	EASTING
PC Sta 10+00.00	1 992 589.04	956 875.71
PT Sta 12+87.36	1 992 638.78	957 157.15
PI Sta 14+84.05	1 992 638.73	957 353.85
PC Sta 16+03.10	1 992 757.76	957 352.19
PT Sta 16+12.48	1 992 767.08	957 351.18
PC Sta 16+67.11	1 992 820.60	957 340.25
PT Sta 16+87.61	1 992 840.96	957 338.22
PC Sta 25+28.13	1 993 681.47	957 341.08
PT Sta 25+33.80	1 993 687.14	957 341.26
PC Sta 27+39.41	1 993 892.38	957 353.61
PT Sta 27+45.73	1 993 898.70	957 353.79

OAK CREEK PARKWAY

STATION	NORTHING	EASTING
POT Sta 100+00.00	1 992 648.95	957 346.87
PC Sta 100+36.67	1 992 632.88	957 368.15
PT Sta 100+50.04	1 992 633.15	957 380.54
PC Sta 100+59.85	1 992 639.39	957 388.10
PT Sta 101+15.98	1 992 657.70	957 439.95
PC Sta 102+93.20	1 992 655.70	957 617.16
PT Sta 103+02.97	1 992 655.83	957 626.93
POT Sta 104+05.07	1 992 659.66	957 728.96

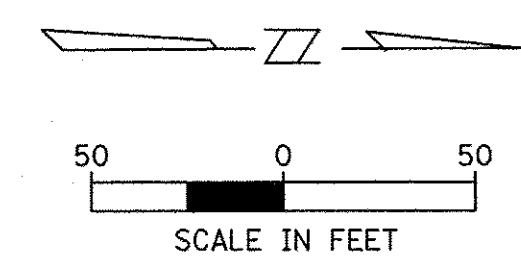
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Default		CHECKED - MEK	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 47 MULTI-USE PATH
ALIGNMENTS, TIES AND BENCHMARKS**

SCALE: SHEET 1 OF 3 SHEETS STA. 10+00.00 TO STA. 28+00.00

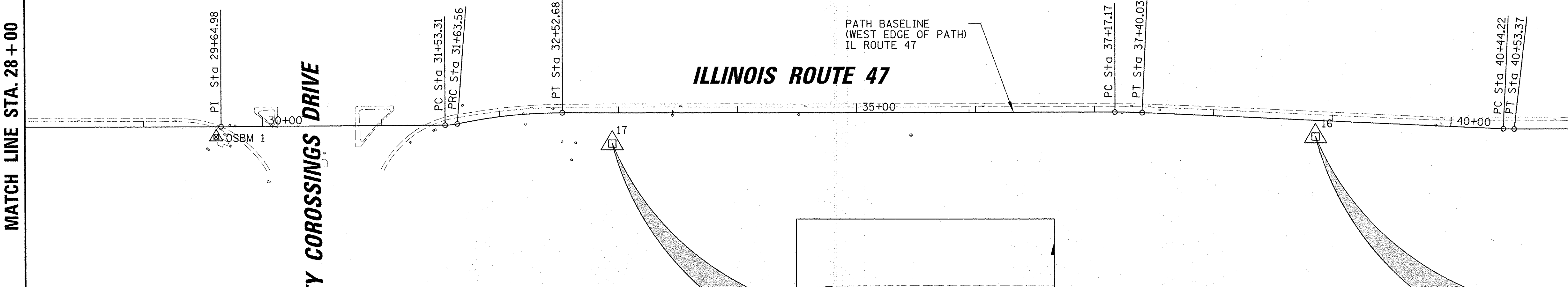
F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 8
CONTRACT NO. 61D43			ILLINOIS FED. AID PROJECT TE-0001964	



MATCH LINE STA. 28 + 00

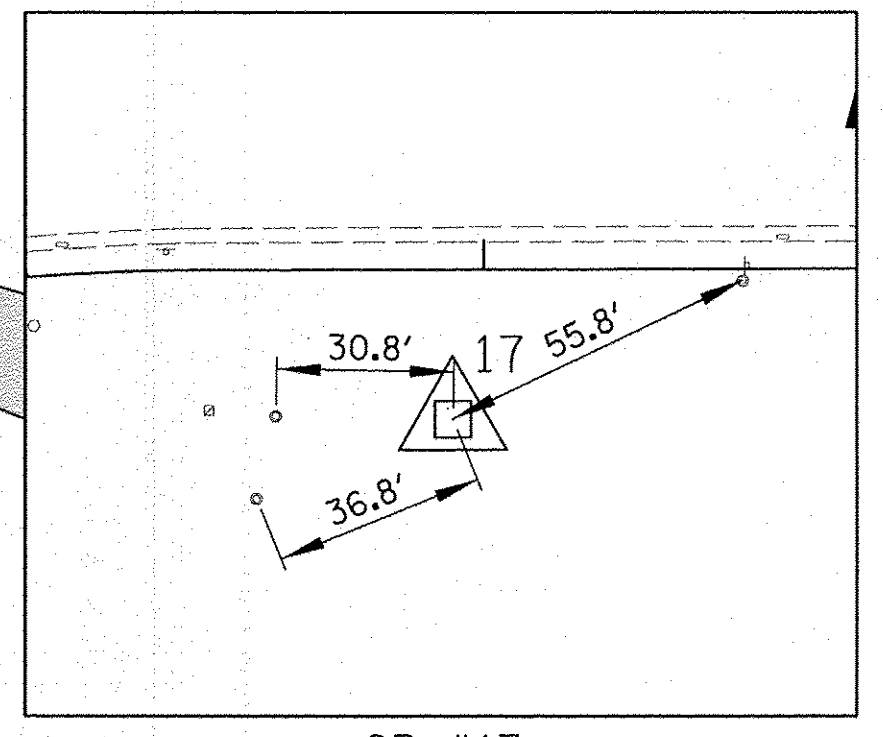
MATCH LINE STA. 41 + 00

HUNTLEY CROSSINGS DRIVE

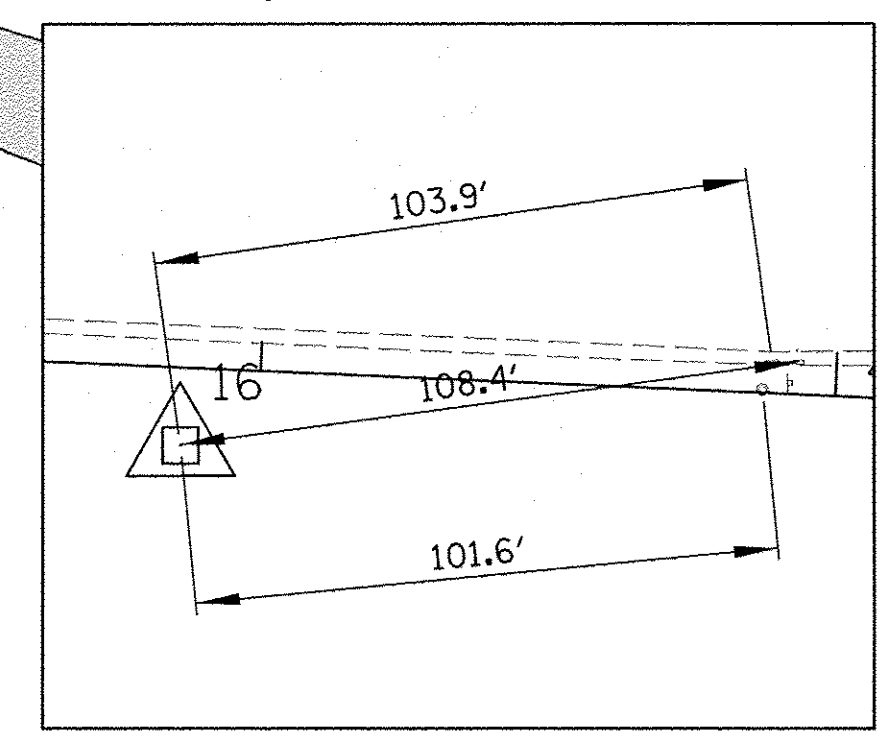


ILLINOIS ROUTE 47

STATION	NORTHING	EASTING
PI Sta 29+64.98	1 994 117.95	957 353.65
PC Sta 31+53.31	1 994 306.28	957 353.00
PRC Sta 31+63.56	1 994 316.45	957 351.92
PT Sta 32+52.68	1 994 404.93	957 342.73
PC Sta 37+17.17	1 994 869.42	957 343.39
PT Sta 37+40.03	1 994 892.28	957 343.95
PC Sta 40+44.22	1 995 196.12	957 358.28
PT Sta 40+53.37	1 995 205.27	957 358.51
PI Sta 41+38.64	1 995 290.54	957 358.63
PI Sta 41+75.10	1 995 324.85	957 346.26
PI Sta 42+59.72	1 995 409.45	957 346.85
PI Sta 42+87.44	1 995 434.46	957 358.83
PC Sta 43+11.42	1 995 458.44	957 358.86
PT Sta 43+18.79	1 995 465.80	957 358.60
PC Sta 45+04.04	1 995 650.57	957 345.22
PT Sta 45+11.18	1 995 657.70	957 344.96
PC Sta 50+53.09	1 996 199.61	957 344.45
PT Sta 50+58.71	1 996 205.23	957 344.61
PC Sta 52+62.58	1 996 408.79	957 355.87
PT Sta 52+68.25	1 996 414.46	957 356.02



CP #17

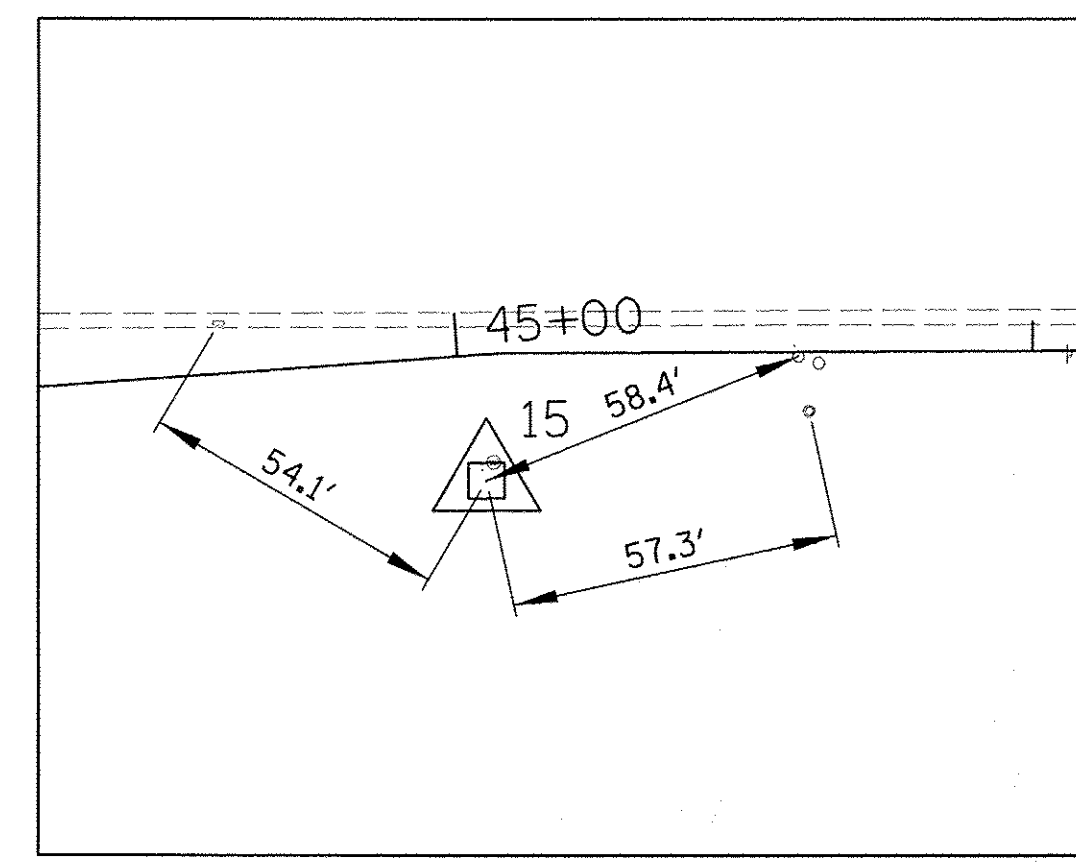


CP #16

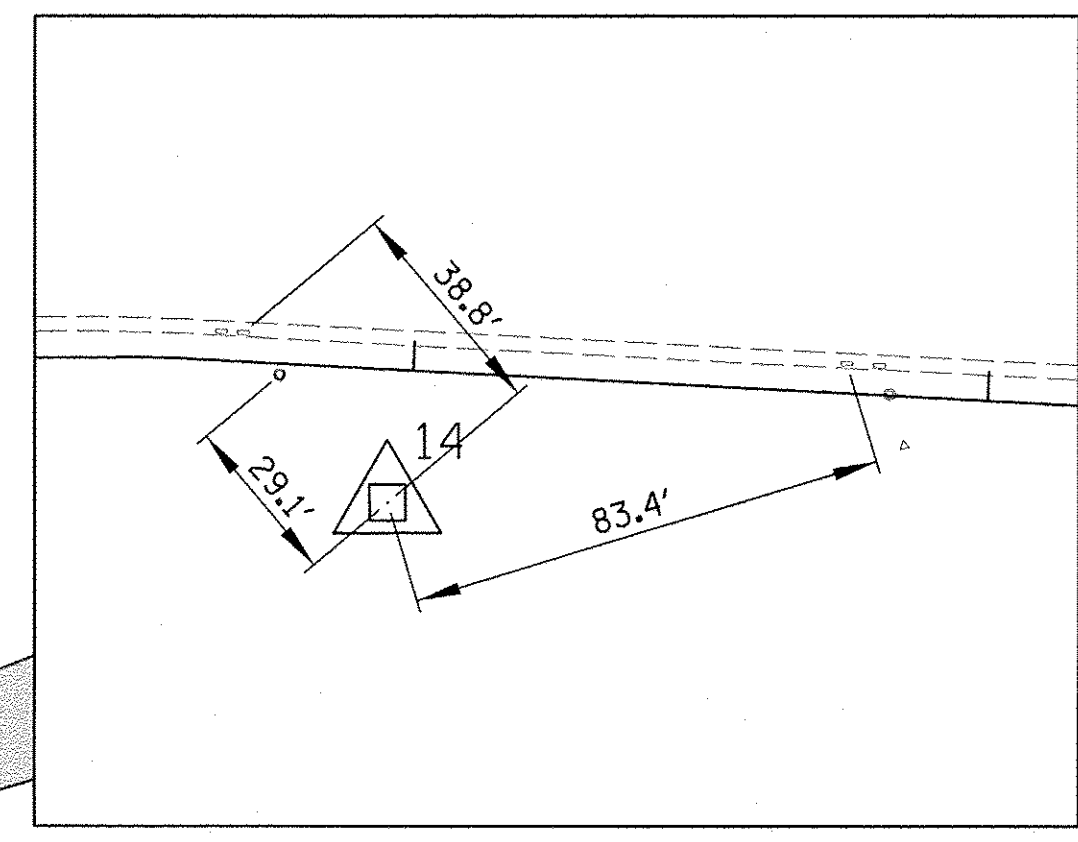
ELEVATION BENCHMARKS		
DATUM: NAVD 1988		
NO.	DESCRIPTION	ELEV.
OSBM 1	S.W. CORNER OF CONC. PAD FOR TRAFFIC CONTROL BOX ON S.E. CORNER RTE 47 & HUNTLEY CROSSING DRIVE	897.67
OSBM 2	N.W. CORNER OF CONC. PAD FOR TRAFFIC CONTROL BOX ON N.E. CORNER REGENCY PARKWAY AND RTE 47	898.59

HORIZONTAL CONTROL POINTS

CONTROL POINTS	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
17	1 994 446.83	957 368.67	CP-REBAR	32+94.61	25.87' RT
16	1 995 038.08	957 364.43	CP-REBAR	38+86.64	13.59' RT
15	1 995 651.59	957 367.27	CP-REBAR	45+03.47	22.07' RT
14	1 996 241.91	957 369.83	CP-REBAR	50+96.72	23.16' RT



CP #15

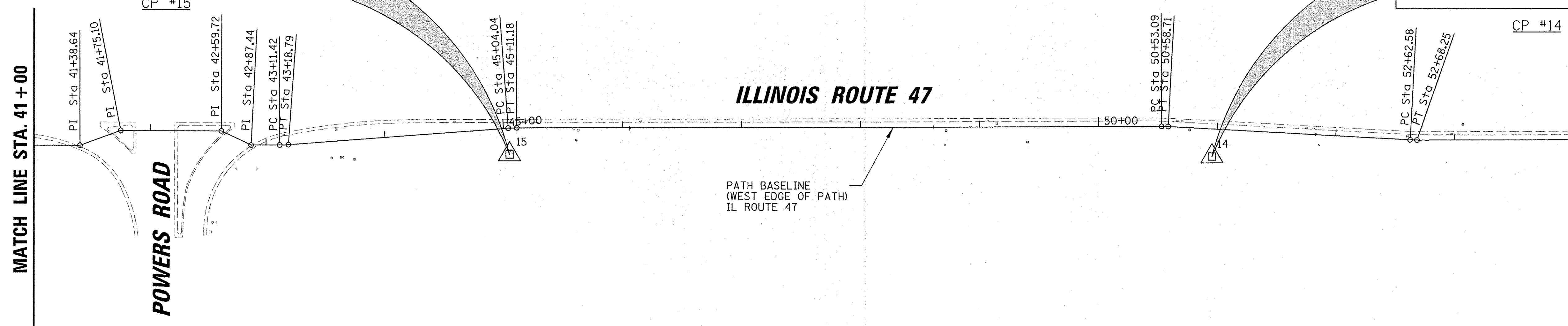


CP #14

MATCH LINE STA. 41 + 00

MATCH LINE STA. 54 + 00

POWERS ROAD



ILLINOIS ROUTE 47

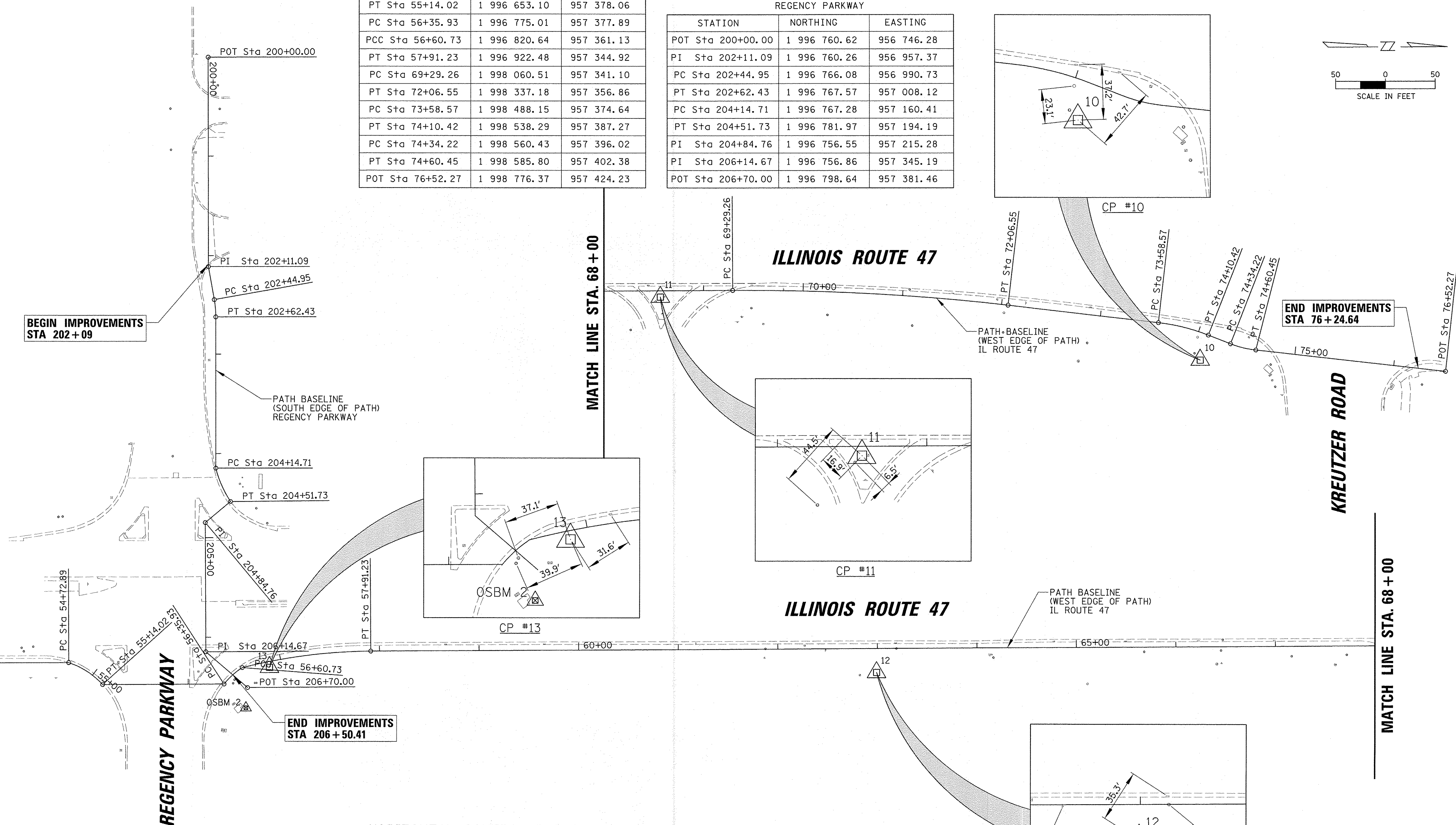
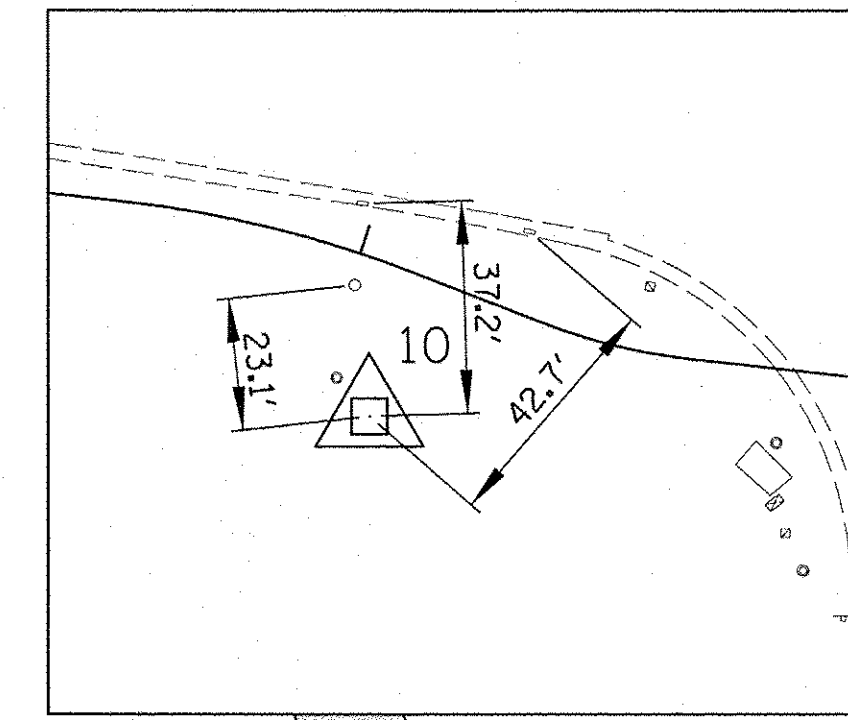
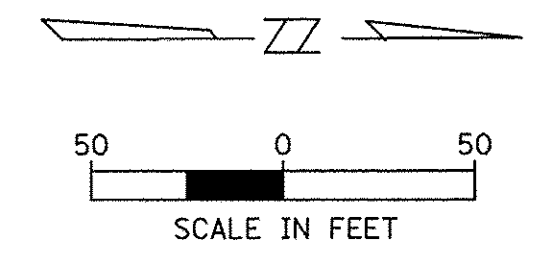
PATH BASELINE
(WEST EDGE OF PATH)
IL ROUTE 47

ILLINOIS ROUTE 47

STATION	NORTHING	EASTING
PC Sta 54+72.89	1 996 619.09	957 355.73
PT Sta 55+14.02	1 996 653.10	957 378.06
PC Sta 56+35.93	1 996 775.01	957 377.89
PCC Sta 56+60.73	1 996 820.64	957 361.13
PT Sta 57+91.23	1 996 922.48	957 344.92
PC Sta 69+29.26	1 998 060.51	957 341.10
PT Sta 72+06.55	1 998 337.18	957 356.86
PC Sta 73+58.57	1 998 488.15	957 374.64
PT Sta 74+10.42	1 998 538.29	957 387.27
PC Sta 74+34.22	1 998 560.43	957 396.02
PT Sta 74+60.45	1 998 585.80	957 402.38
POT Sta 76+52.27	1 998 776.37	957 424.23

REGENCY PARKWAY

STATION	NORTHING	EASTING
POT Sta 200+00.00	1 996 760.62	956 746.28
PI Sta 202+11.09	1 996 760.26	956 957.37
PC Sta 202+44.95	1 996 766.08	956 990.73
PT Sta 202+62.43	1 996 767.57	957 008.12
PC Sta 204+14.71	1 996 767.28	957 160.41
PT Sta 204+51.73	1 996 781.97	957 194.19
PI Sta 204+84.76	1 996 756.55	957 215.28
PI Sta 206+14.67	1 996 756.86	957 345.19
POT Sta 206+70.00	1 996 798.64	957 381.46



HORIZONTAL CONTROL POINTS

CONTROL POINTS	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
13	1 996 820.64	957 361.13	CP-REBAR	56+87.53	5.87' RT
12	1 997 430.38	957 367.35	CP-REBAR	62+99.06	24.14' RT
11	1 997 987.77	957 347.60	CP-XCUT	68+56.51	6.26' RT
10	1 998 529.99	957 412.20	CP-REBAR	74+11.86	26.23' RT

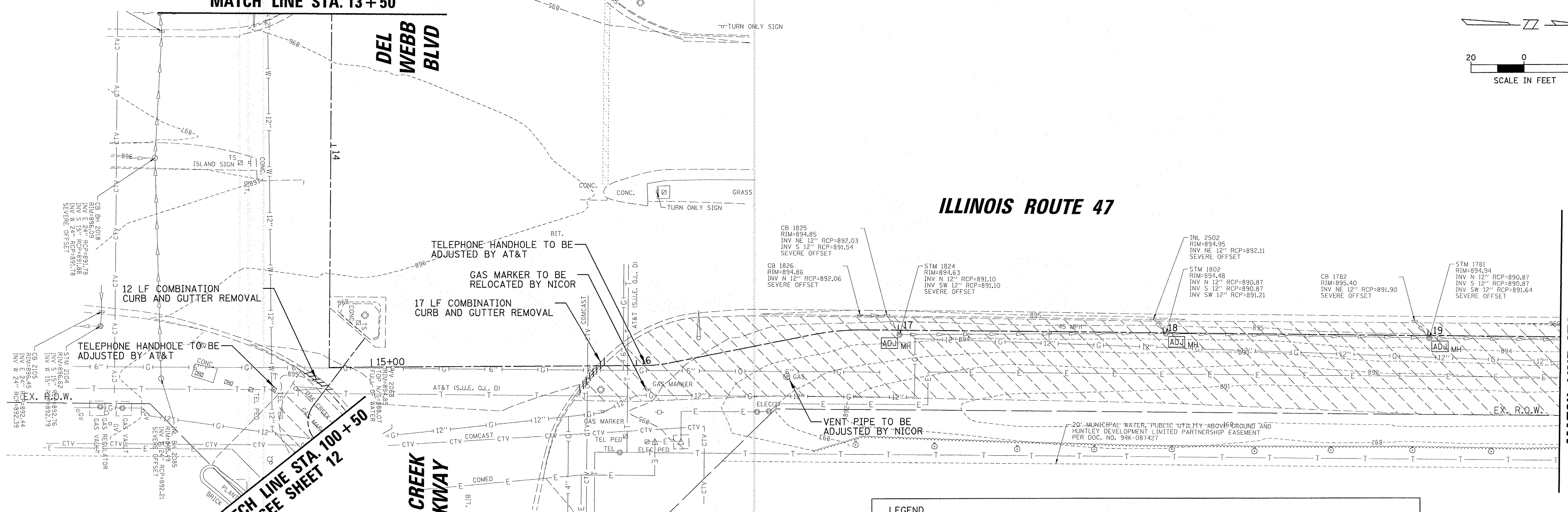
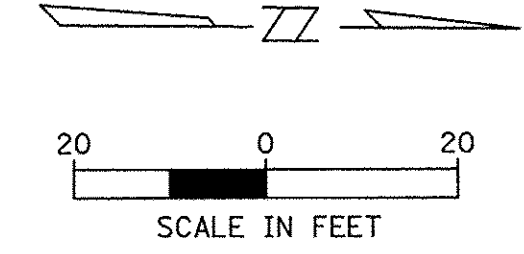
ELEVATION BENCHMARKS DATUM: NAVD 1988		
NO.	DESCRIPTION	ELEV.
OSBM 1	S.W. CORNER OF CONC. PAD FOR TRAFFIC CONTROL BOX ON S.E. CORNER RTE 47 & HUNTLEY CROSSING DRIVE	897.67
OSBM 2	N.W. CORNER OF CONC. OAD FOR TRAFFIC CONTROL BOX ON N.E. CORNER REGENCY PARKWAY AND RTE 47	898.59

FILE NAME =	USER NAME = jstrick	DESIGNED - SNS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 47 MULTI-USE PATH ALIGNMENTS, TIES AND BENCHMARKS	F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 10		
Default	PLOT SCALE = 50'	CHECKED - MEK	REVISED -			SCALE:	SHEET 3 OF 3 SHEETS	STA. 60+00.00 TO STA. 75+00.00	CONTRACT NO. 61D43		ILLINOIS FED. AID PROJECT	
	PLOT DATE = 11/2/2016	DATE -	REVISED -									
										TE-0001964		

MATCH LINE STA. 13 + 50

DEL WEBB BLVD

ILLINOIS ROUTE 47



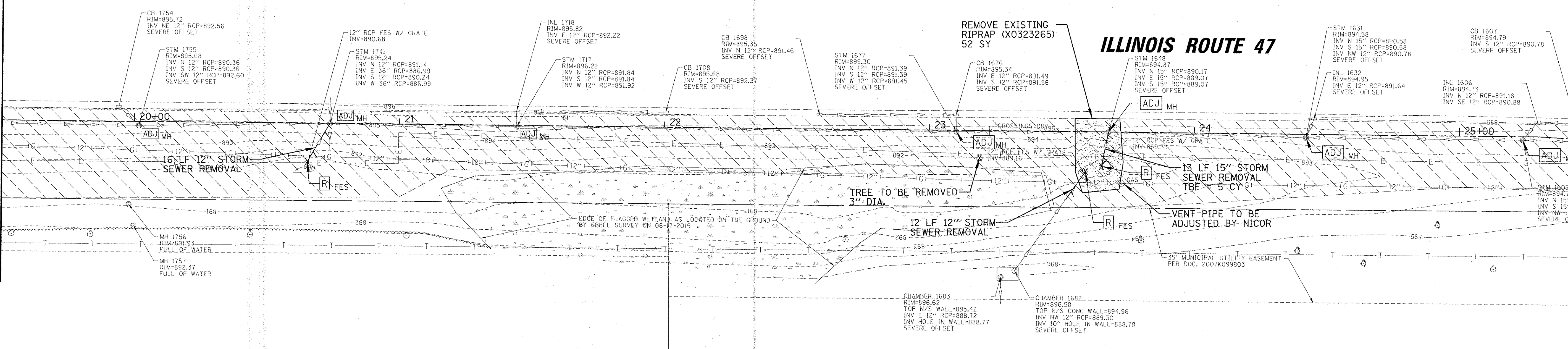
MATCH LINE STA. 100 + 50
SEE SHEET 12

MATCH LINE STA. 19 + 50

LEGEND

	MEDIAN SURFACE REMOVAL (X4403800)		MANHOLES TO BE ADJUSTED (60255500)
	TOPSOIL EXCAVATION AND PLACEMENT (21101505)		REMOVING CATCH BASINS (60500050)
	COMB. CURB AND GUTTER REMOVAL (44000500)		REMOVE EXISTING FLARED END SECTION (X0322936)
	STORM SEWER REMOVAL 12" (55100500)		TREE PROTECTION W/ TEMPORARY FENCE AT DRIP LINE (20101000)

MATCH LINE STA. 19 + 50



MATCH LINE STA. 25 + 50

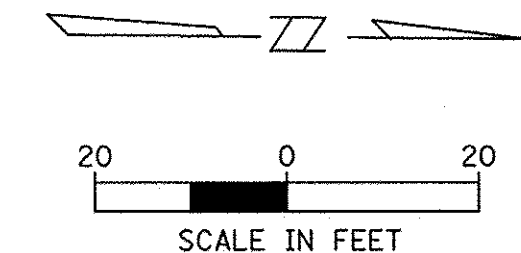
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 47 MULTI-USE PATH
EXISTING CONDITIONS AND REMOVAL PLAN

FILE NAME =	USER NAME = jstrik	DESIGNED - SNS	REVISED -
N:\Huntley\070103\070103.00057\Civil\REM	070103.57.02.SHT	DRAWN - DJK	REVISED -
PLOT SCALE = 20'		CHECKED - MEK	REVISED -
Default	PLOT DATE = 11/2/2016	DATE -	REVISED -

SCALE: SHEET OF SHEETS STA. TO STA.

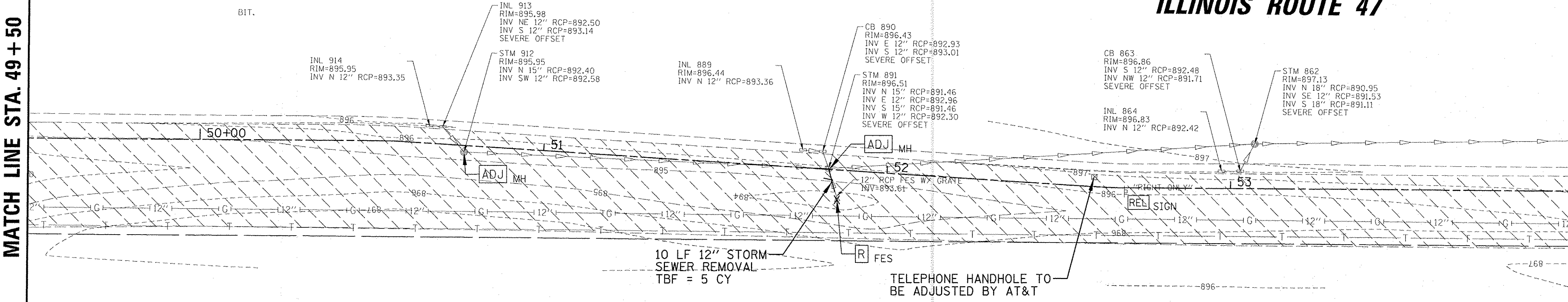
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	14-00041-00-BT	KANE	106	13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D43	
			TE-0001964	



MATCH LINE STA. 49 + 50

MATCH LINE STA. 54 + 00

ILLINOIS ROUTE 47



LEGEND	
	MEDIAN SURFACE REMOVAL (X4403800)
	TOPSOIL EXCAVATION AND PLACEMENT (21101505)
	COMB. CURB AND GUTTER REMOVAL (44000500)
	STORM SEWER REMOVAL 12" (55100500)
	MANHOLES TO BE ADJUSTED (60255500)
	REMOVING CATCH BASINS (60500050)
	REMOVE EXISTING FLARED END SECTION (X0322936)
	TREE PROTECTION W/ TEMPORARY FENCE AT DRIP LINE (20101000)

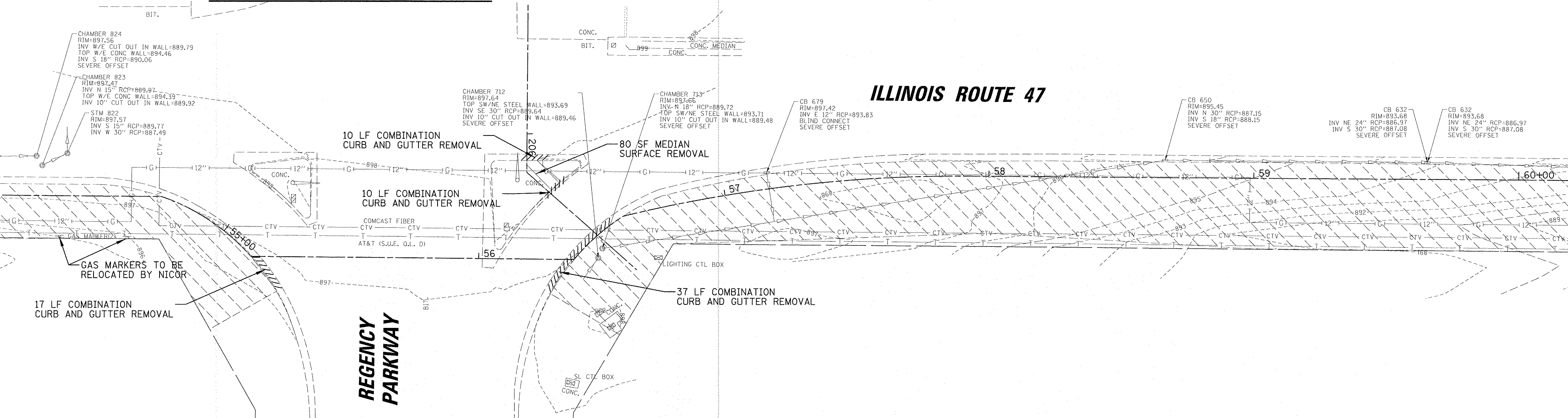
**MATCH LINE STA. 205 + 50
SEE SHEET 18**

MATCH LINE STA. 54 + 00

MATCH LINE STA. 60 + 20

ILLINOIS ROUTE 47

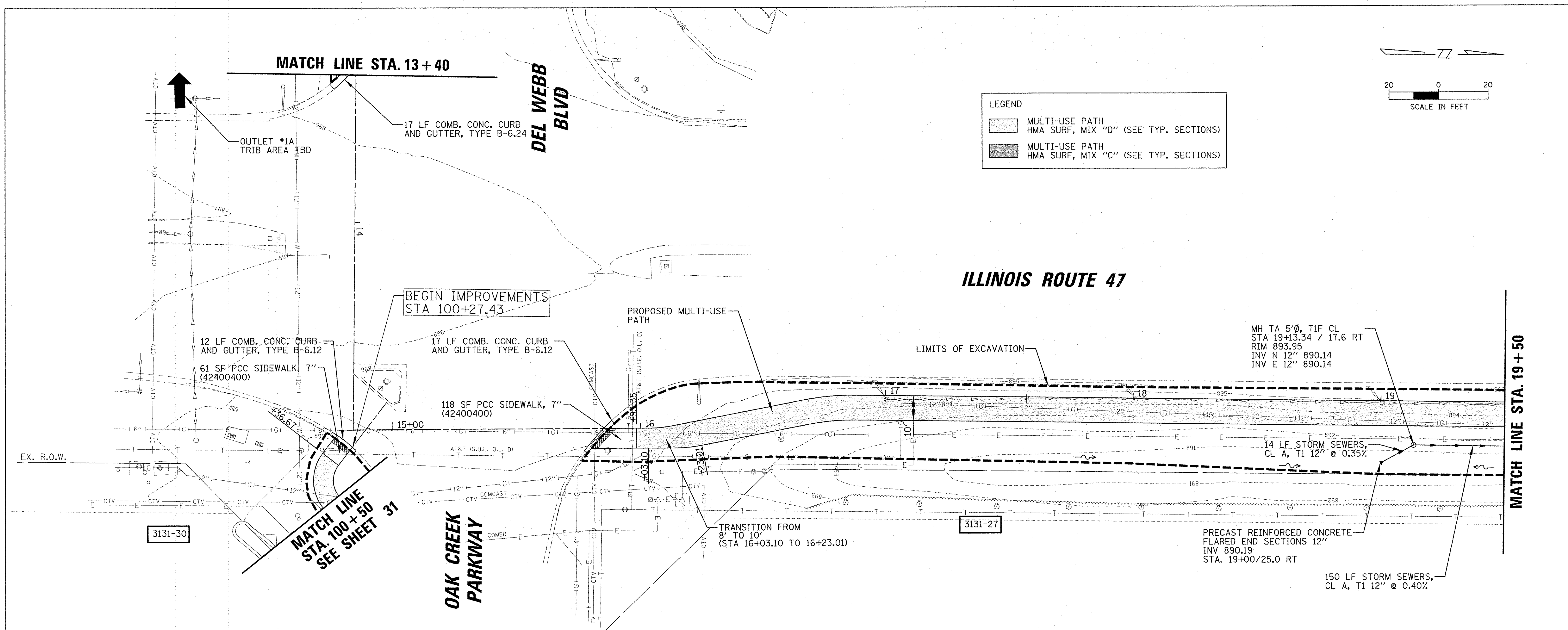
REGENCY PARKWAY



FILE NAME =	USER NAME = jst1r1ck	DESIGNED - SNS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 47 MULTI-USE PATH EXISTING CONDITIONS AND REMOVAL PLAN	F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 16	
Drawn	DJK	CHECKED - MEK	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 61D43		
Plot	20'	DATE -	REVISED -			ILLINOIS FED. AID PROJECT TE-00D19641					
Plot	11/2/2016	DATE -	REVISED -								

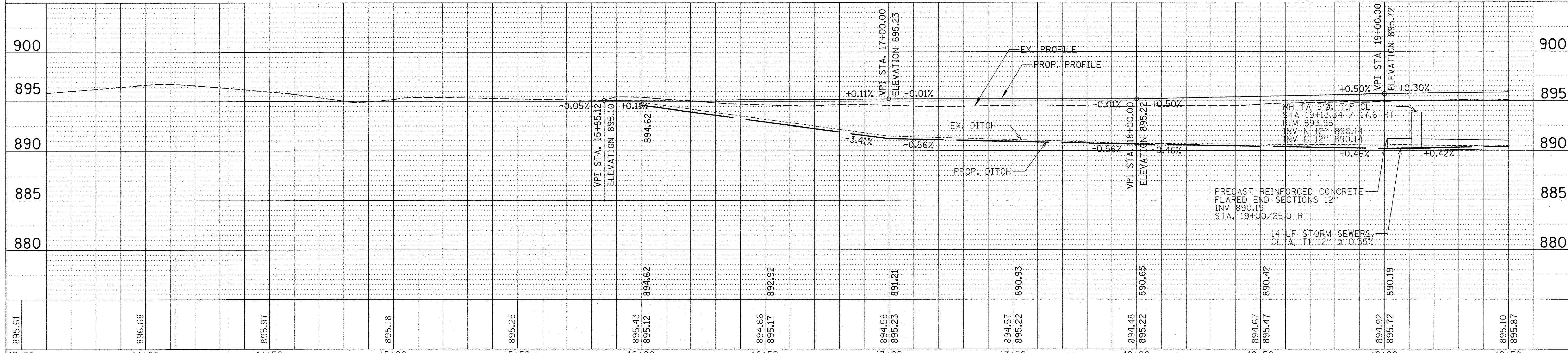
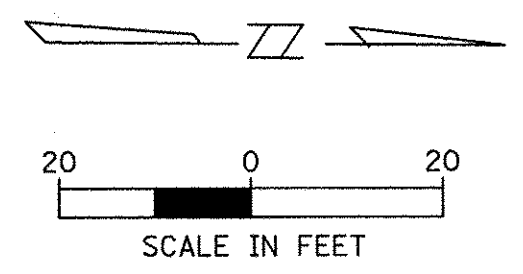
PLAN	SURVEYED	BY	DATE
	ALIGNED		
	CHECKED		
	RT. OF WAY		
	CHECKED		
	NO.		
	NO.		

PROFILE	SURVEYED	BY	DATE
	GRADES		
	CHECKED		
	B.M. NOTED		
	STRUCTURE		
	NOTATIONS		
	CHKD		

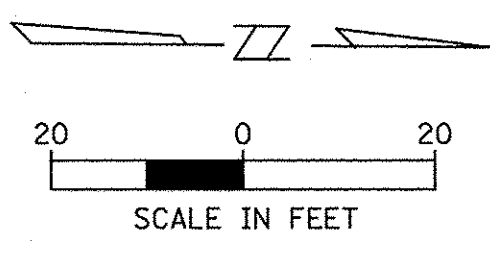


LEGEND

- MULTI-USE PATH
HMA SURF, MIX "D" (SEE TYP. SECTIONS)
- MULTI-USE PATH
HMA SURF, MIX "C" (SEE TYP. SECTIONS)



FILE NAME =	USER NAME = jstrock	DESIGNED - SNS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 47 MULTI-USE PATH ROADWAY PLAN AND PROFILE			F.A.P. 0326	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Na:\Huntley\070103\070103.00057\Civil\RPP_070103.57_02.SHT		DRAWN - DJK	REVISED -					IL-47	14-00041-00-BT	KANE	106	20
PLOT SCALE = 20'		CHECKED - JGS	REVISED -					CONTRACT NO. 61D43				
PLOT DATE = 11/2/2016		DATE -	REVISED -					ILLINOIS FED. AID PROJECT TE-00019641				



ILLINOIS ROUTE 47

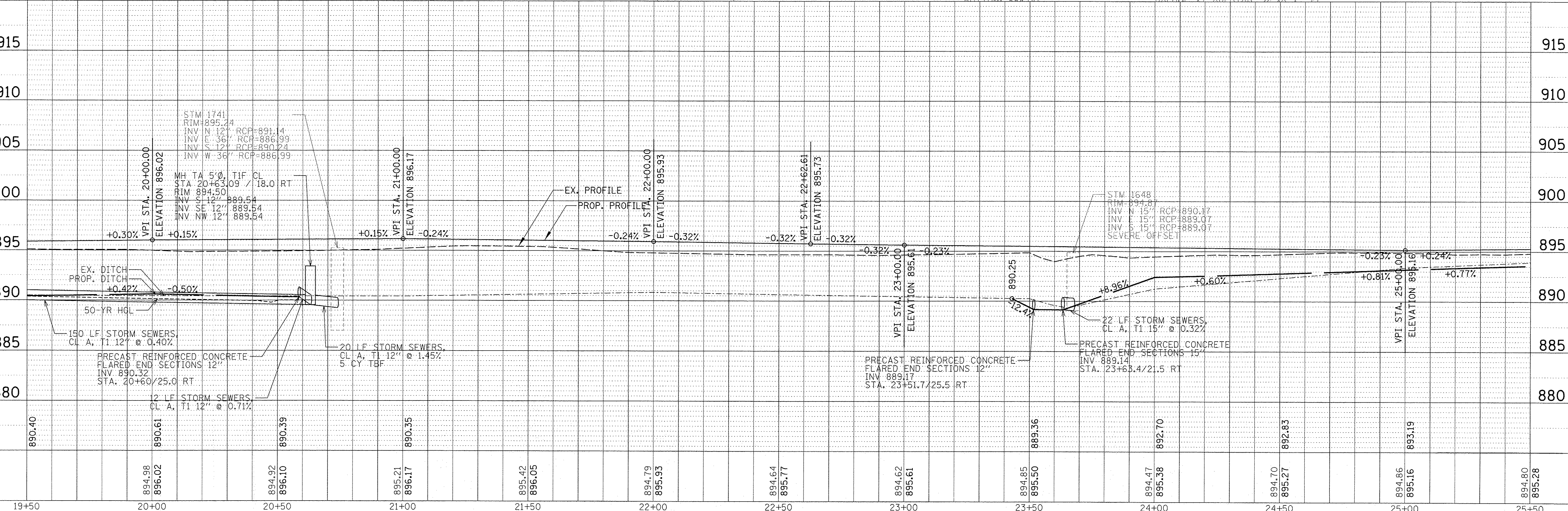
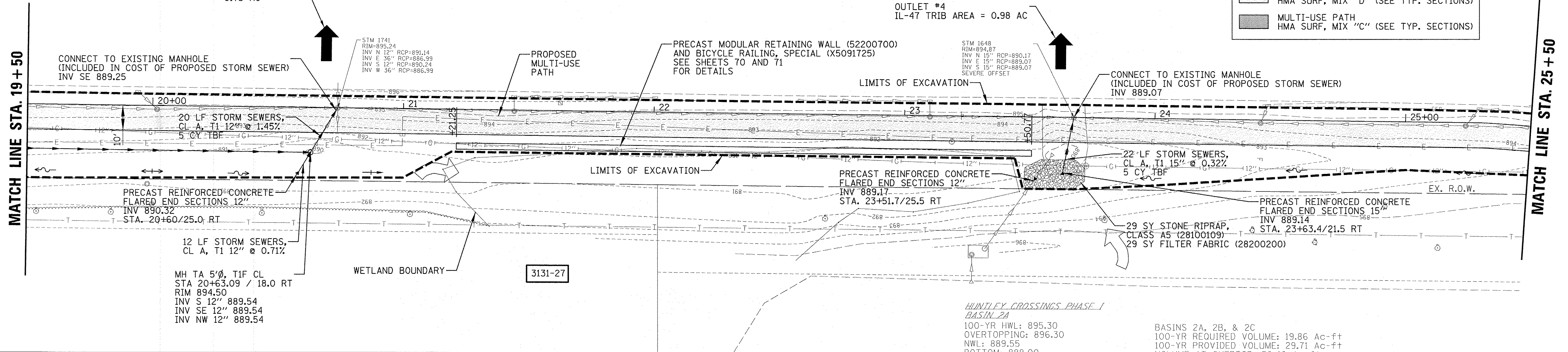
ILLINOIS ROUTE 47

LEGEND

- MULTI-USE PATH
HMA SURF, MIX "D" (SEE TYP. SECTIONS)
- MULTI-USE PATH
HMA SURF, MIX "C" (SEE TYP. SECTIONS)

MATCH LINE STA. 19+50

MATCH LINE STA. 25+50



DATE	
BY	
PLANNED	
DESIGNED	
DRAWN	
CHECKED	
NOTED	
NO. OF REV.	
NO.	

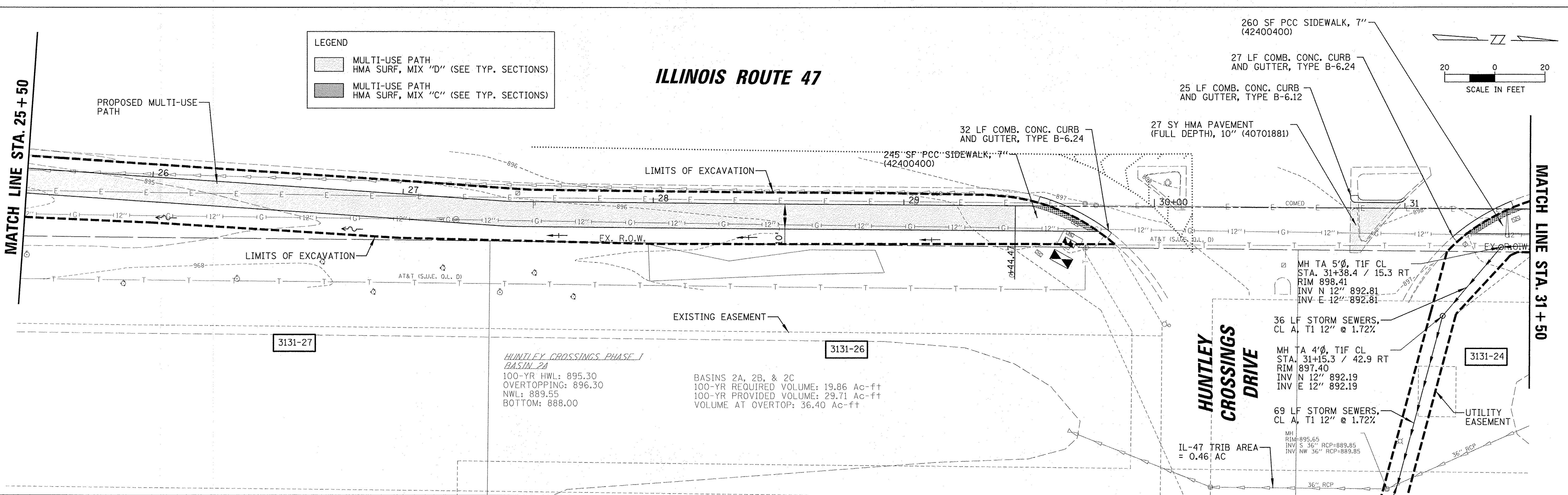
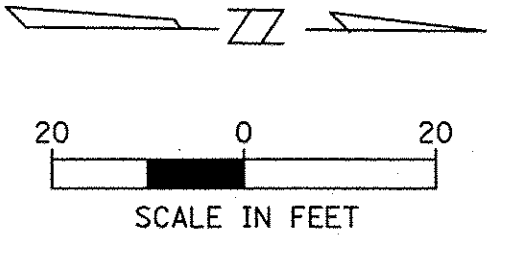
DATE	
BY	
PROFILING	
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STRUCTURE NOTATIONS CHECKED	
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FILE NAME =	USER NAME = jstrick	DESIGNED - SNS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 47 MULTI-USE PATH ROADWAY PLAN AND PROFILE	F.A.P. 0326	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Huntley\070103\070103.00057\Civil\PPP_070103_57_03.SHT	PLOT SCALE = 20'	DRAWN - DJK	REVISED -			IL-47	14-00041-00-BT	KANE	106	21
Default	PLOT DATE = 11/2/2016	CHECKED - MEK	REVISED -			CONTRACT NO. 61D43				
		DATE -	REVISED -			[ILLINOIS] FED. AID PROJECT TE-0001964)				

ILLINOIS ROUTE 47

LEGEND

- MULTI-USE PATH
HMA SURF, MIX "D" (SEE TYP. SECTIONS)
- MULTI-USE PATH
HMA SURF, MIX "C" (SEE TYP. SECTIONS)



HUNTLEY CROSSINGS PHASE I BASIN 2A
 100-YR HWL: 895.30
 OVERTOPPING: 896.30
 NWL: 889.55
 BOTTOM: 888.00

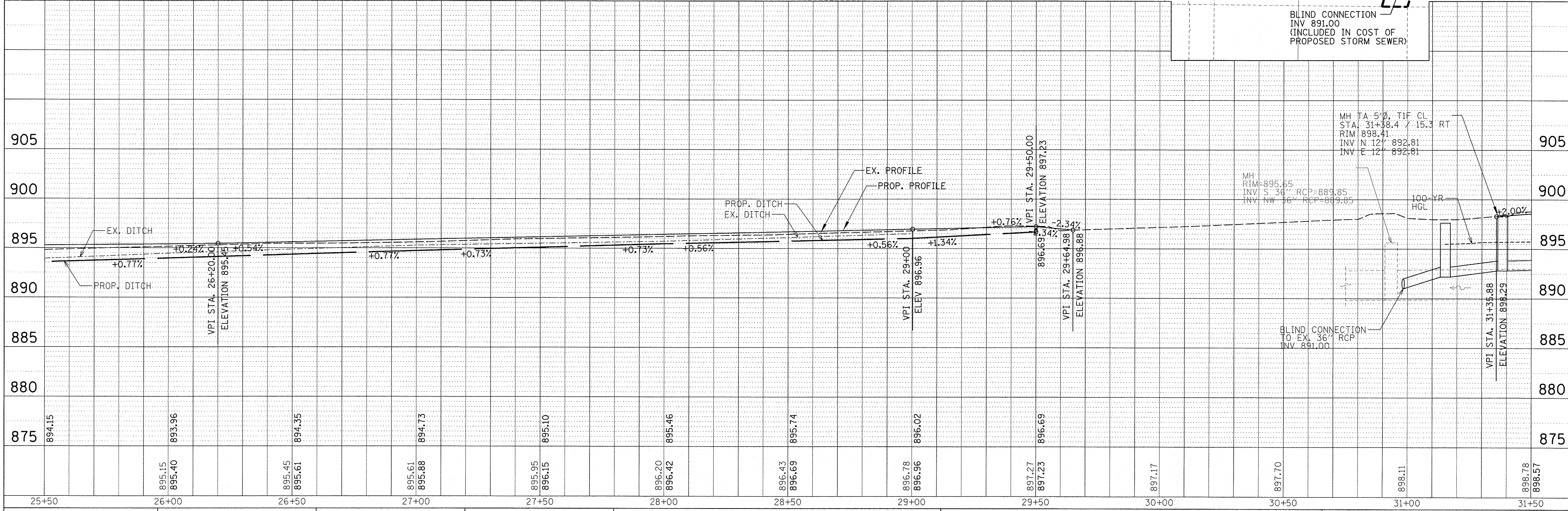
BASINS 2A, 2B, & 2C
 100-YR REQUIRED VOLUME: 19.86 Ac-ft
 100-YR PROVIDED VOLUME: 29.71 Ac-ft
 VOLUME AT OVERTOP: 36.40 Ac-ft

PLAN

DATE	
BY	
SURVEYED	
GRADES CHECKED	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
NOTE BOOK NO.	
STRUCTURE NOTATIONS CHECKED	
NO.	
FILE NAME	

PROFILE

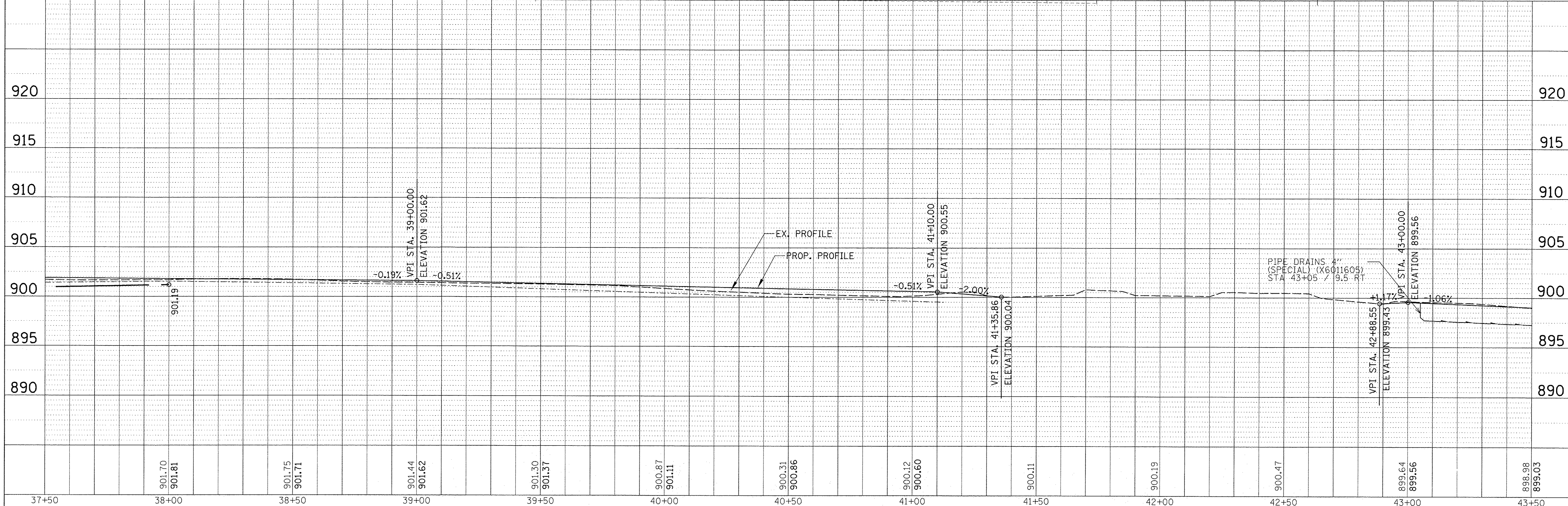
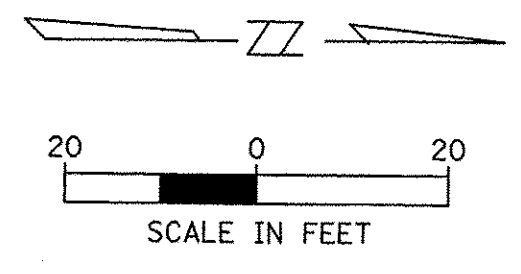
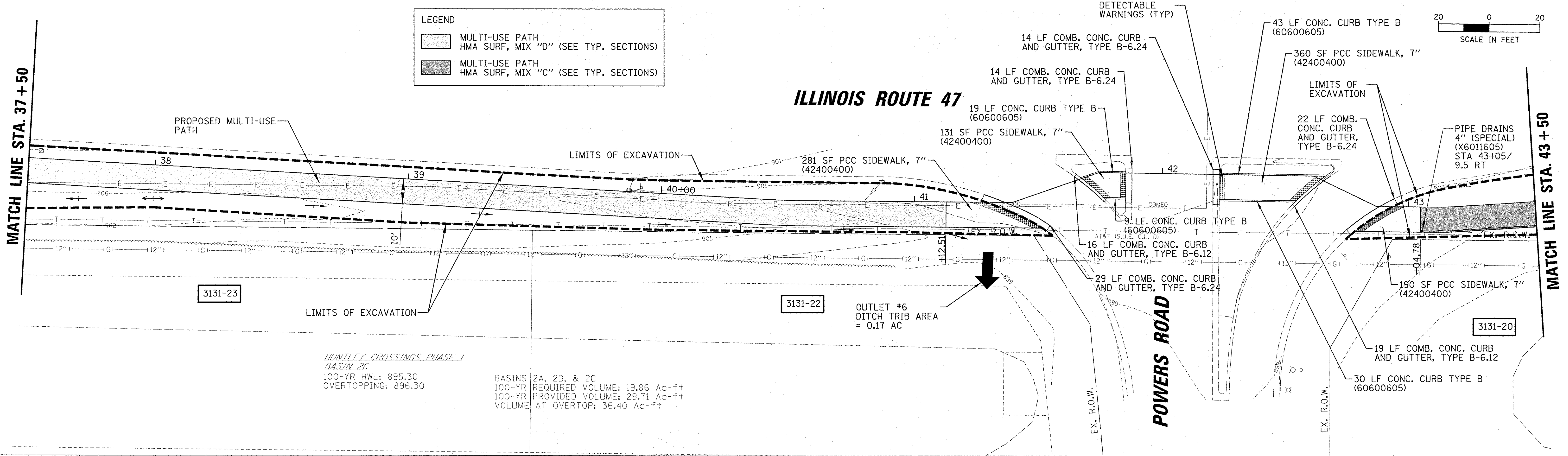
DATE	
BY	
SURVEYED	
GRADES CHECKED	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
NOTE BOOK NO.	
STRUCTURE NOTATIONS CHECKED	
NO.	
FILE NAME	



FILE NAME =	USER NAME = jstrick	DESIGNED - SNS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 47 MULTI-USE PATH ROADWAY PLAN AND PROFILE	F.A.P. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 22	
Default	PLOT SCALE = 20'	CHECKED - MEK	REVISED -			SCALE:	SHEET OF SHEETS	IL-47	CONTRACT NO. 61D43	(ILLINOIS) FED. AID PROJECT	TE-00019641
	PLOT DATE = 11/2/2016	DATE -	REVISED -			SCALE:	SHEET OF SHEETS	IL-47	CONTRACT NO. 61D43	(ILLINOIS) FED. AID PROJECT	TE-00019641
						SCALE:	SHEET OF SHEETS	IL-47	CONTRACT NO. 61D43	(ILLINOIS) FED. AID PROJECT	TE-00019641

PLAN SURVEYED BY DATE
 NOTE BOOK NO. CHECKED BY
 P.T. OF MAP CHECKED NO.
 CADD FILE NAME

PROFILE SURVEYED BY DATE
 NOTE BOOK NO. CHECKED BY
 B.M. NOTED
 STRUCTURE NOTATIONS CKRD



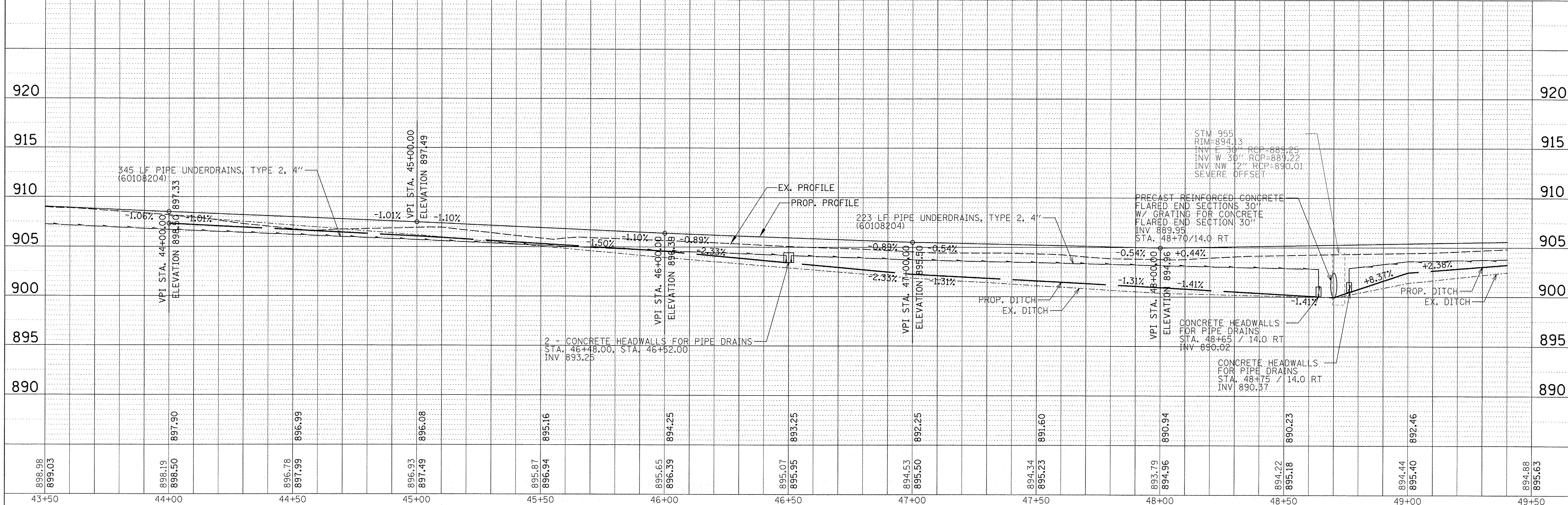
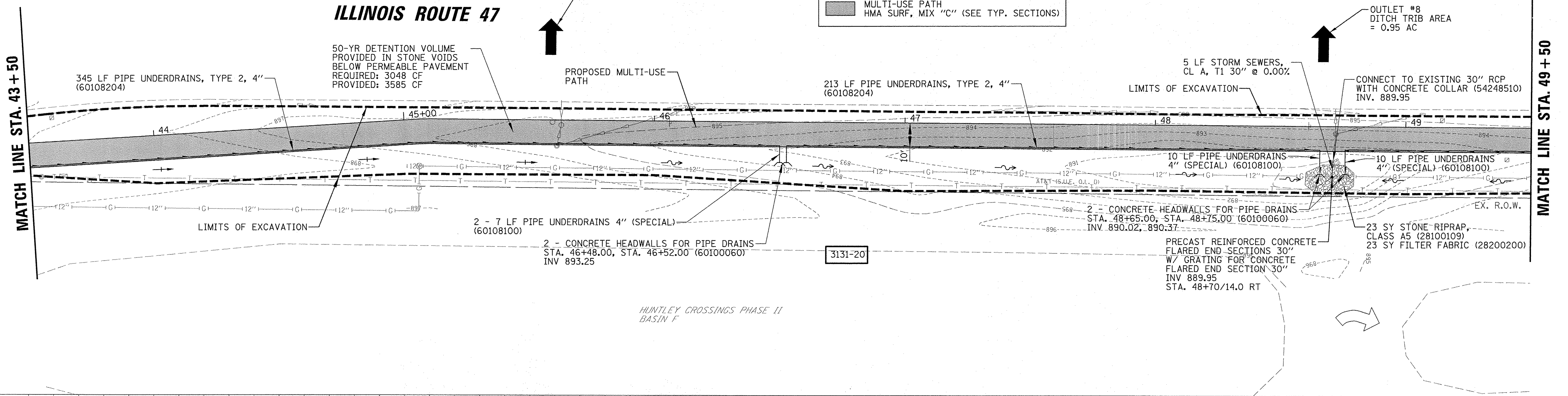
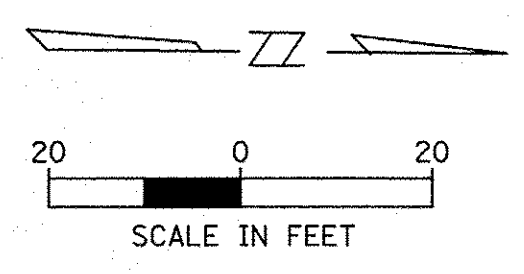
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N:\Huntley\070103\070103.00057\Civil\RPP.07	0103.57.06.SHT	DRAWN - DJK	REVISED -					IL-47	14-00041-00-BT	KANE	106	24
Default	PLOT SCALE = 20'	CHECKED - MEK	REVISED -					CONTRACT NO. 61D43				
	PLOT DATE = 11/2/2016	DATE -	REVISED -					ILLINOIS FED. AID PROJECT TE-0001(964)				

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

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	BLM. NOTED		
	STRUCTURE NOTATIONS CHK'D		
	NO.		

LEGEND

- [Light Gray Box] MULTI-USE PATH
HMA SURF, MIX "D" (SEE TYP. SECTIONS)
- [Dark Gray Box] MULTI-USE PATH
HMA SURF, MIX "C" (SEE TYP. SECTIONS)



898.98 899.03	898.19 898.50	896.78 897.99	896.93 897.49	895.87 896.94	895.65 896.39	895.07 895.95	894.53 895.50	894.34 895.23	893.79 894.96	894.22 895.18	894.44 895.40	894.88 895.63
43+50	44+00	44+50	45+00	45+50	46+00	46+50	47+00	47+50	48+00	48+50	49+00	49+50

FILE NAME = N:\Huntley\070103\070103.00057\Civil\RPP_070103.57_07.SHT

Default

USER NAME = jstrick

PLOT SCALE = 20'

PLOT DATE = 11/2/2016

DESIGNED - SNS

DRAWN - DJK

CHECKED - MEK

DATE -

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

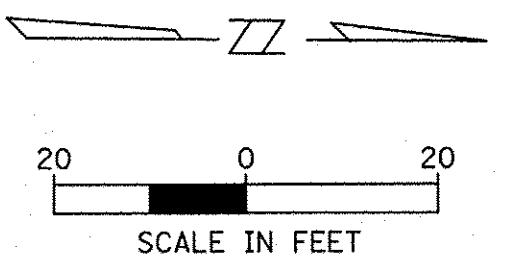
IL RTE 47 MULTI-USE PATH
ROADWAY PLAN AND PROFILE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET 25
CONTRACT NO. 61D43			ILLINOIS FED. AID PROJECT TE-0001964	

PLAN	SURVEYED	BY	DATE
	ALIGNMENT CHECKED		
	RTY. OF WAY CHECKED		
	NO. _____		
	NOTE BOOK		
	NO. _____		
	FILE NAME		

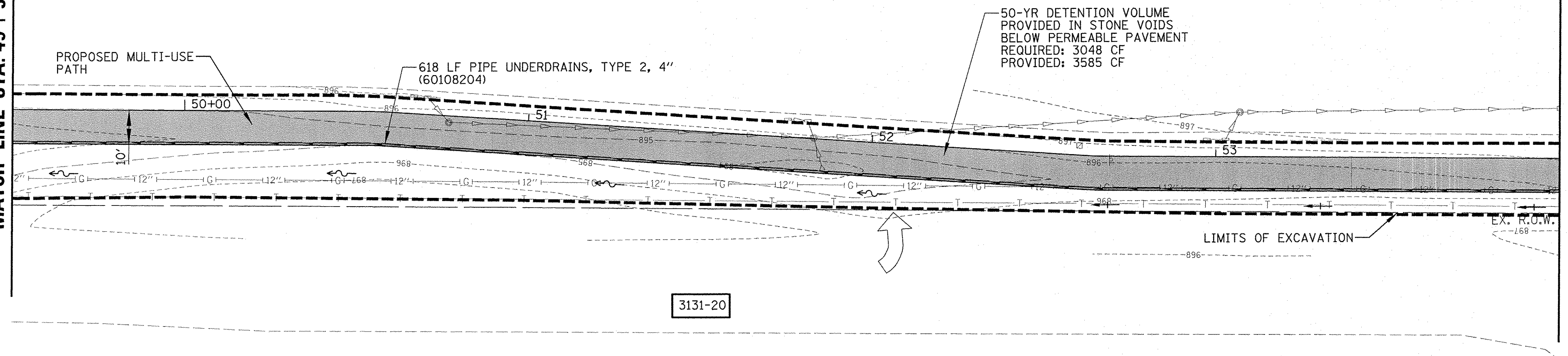
PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	B.M. NOTED		
	STRUCTURE NOTATIONS CHK'D		
	NO. _____		
	NOTE BOOK		
	NO. _____		
	FILE NAME		



ILLINOIS ROUTE 47

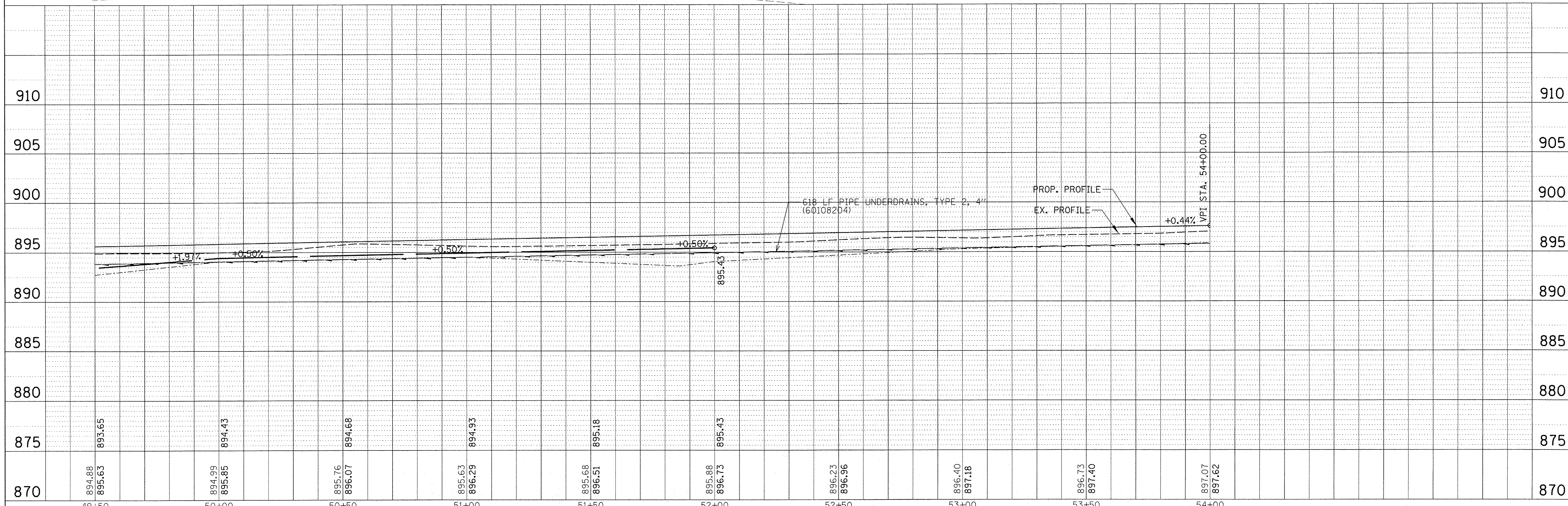
MATCH LINE STA. 49 + 50

MATCH LINE STA. 54 + 00



LEGEND	
[Light Gray Box]	MULTI-USE PATH HMA SURF, MIX "D" (SEE TYP. SECTIONS)
[Dark Gray Box]	MULTI-USE PATH HMA SURF, MIX "C" (SEE TYP. SECTIONS)

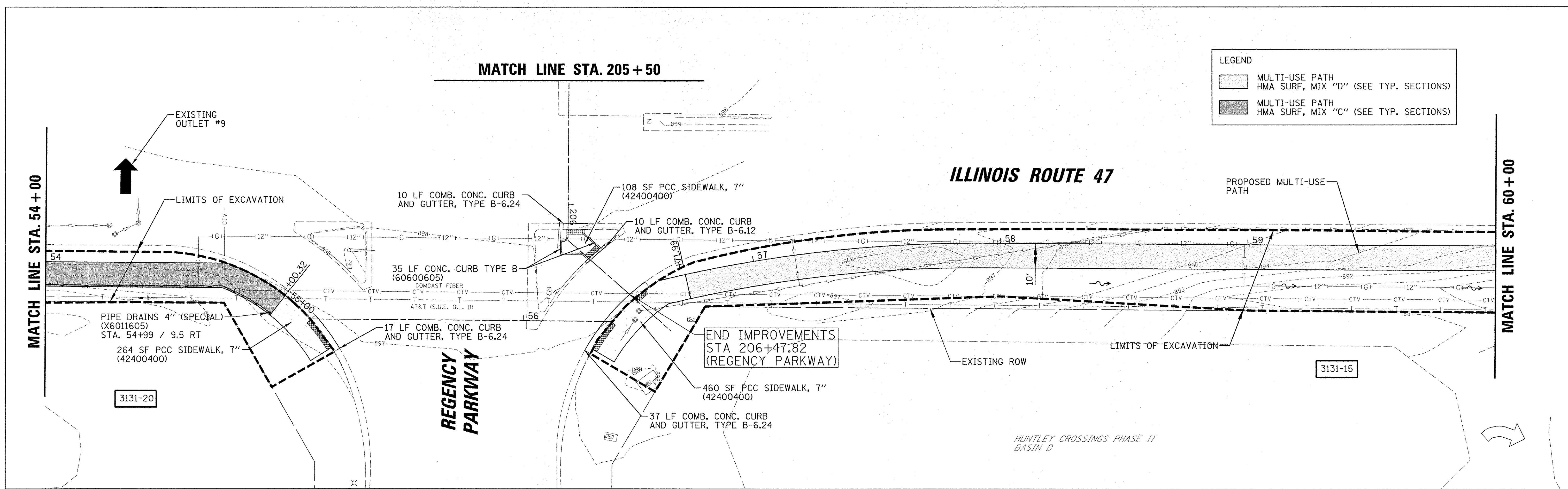
HUNTLEY CROSSINGS PHASE II
BASIN E



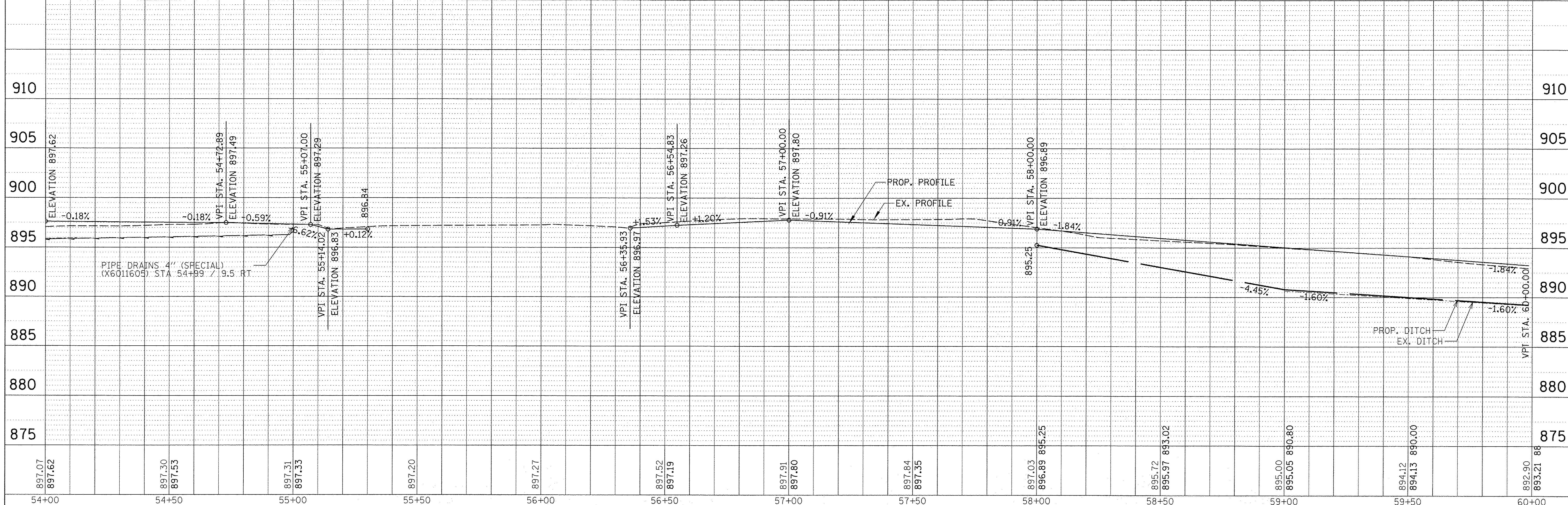
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Default	PLOT SCALE = 20'	DRAWN - DJK	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 61D43				
	PLOT DATE = 11/2/2016	CHECKED - MEK	REVISED -						ILLINOIS FED. AID PROJECT TE-0001964				
		DATE -	REVISED -										

PLAN	SURVEYED	BY	DATE
NOTE BOOK	ALIGNMENT CHECKED		
NO.	RT. OF WAY CHECKED		
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	NO.		
	NO.		

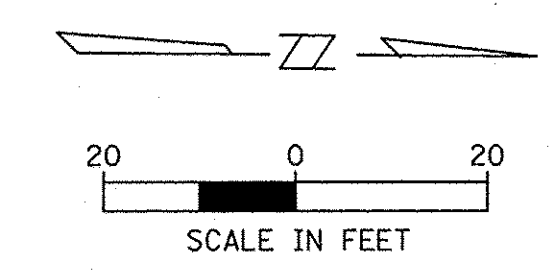
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NOTE BOOK	PROFS. CHECKED		
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	NO.		
	NO.		
	NO.		



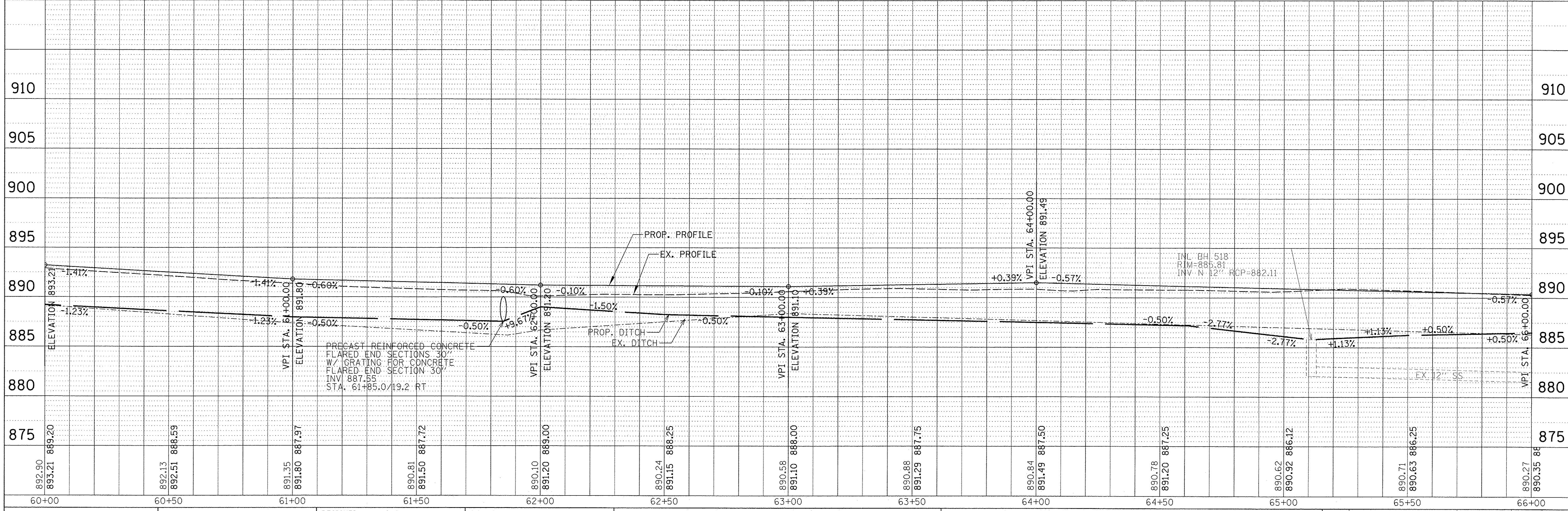
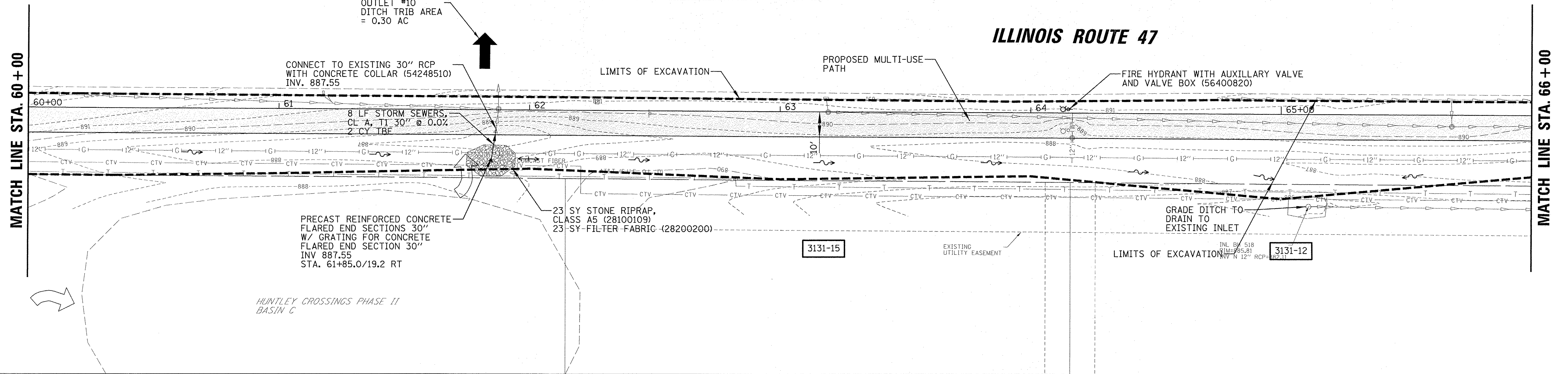
LEGEND	
[Pattern]	MULTI-USE PATH HMA SURF, MIX "D" (SEE TYP. SECTIONS)
[Pattern]	MULTI-USE PATH HMA SURF, MIX "C" (SEE TYP. SECTIONS)



FILE NAME =	USER NAME = jst1rick	DESIGNED - SNS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 47 MULTI-USE PATH ROADWAY PLAN AND PROFILE	F.A.P. 0326	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Huntley\070103\070103.00057\Civil\RPP.0	0103.57.05.SHT	DRAWN - DJK	REVISED -			IL-47	14-00041-00-BT	KANE	106	27
Default	PLOT SCALE = 20'	CHECKED - MEK	REVISED -			CONTRACT NO. 61D43				
	PLOT DATE = 11/2/2016	DATE -	REVISED -			ILLINOIS FED. AID PROJECT TE-0001(964)				



LEGEND	
	MULTI-USE PATH HMA SURF, MIX "D" (SEE TYP. SECTIONS)
	MULTI-USE PATH HMA SURF, MIX "C" (SEE TYP. SECTIONS)



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

PROFILE	SURVEYED	DATE
	GRADES	
	CHECKED	
	B.M. NOTED	
	STRUCTURE	
	NOTATIONS	
	CHFD	
	NO.	

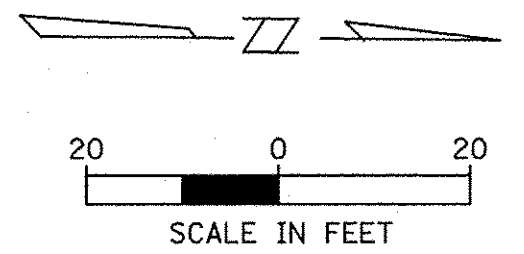
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N:\Huntley\070103\070103.00057\Civil\RPP-070103.57.10.SHT	PLOT SCALE = 20'	DRAWN - DJK	REVISED -			IL-47	14-00041-00-BT	KANE	106	28
Default	PLOT DATE = 11/2/2016	CHECKED - MEK	REVISED -			CONTRACT NO. 61D43				
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT TE-0001(964)				

PLAN	SURVEYED	BY	DATE
	PROTECTED		
	ALLOTTED		
	CHECKED		
	RT. OF WAY		
	CHECKED		
	NO.		
	ADD. FILE		
	NAME		

PROFILE	SURVEYED	BY	DATE
	PROTECTED		
	ALLOTTED		
	CHECKED		
	B.M. NOTED		
	STRUCTURE		
	NOTATIONS		
	CHKD		

LEGEND

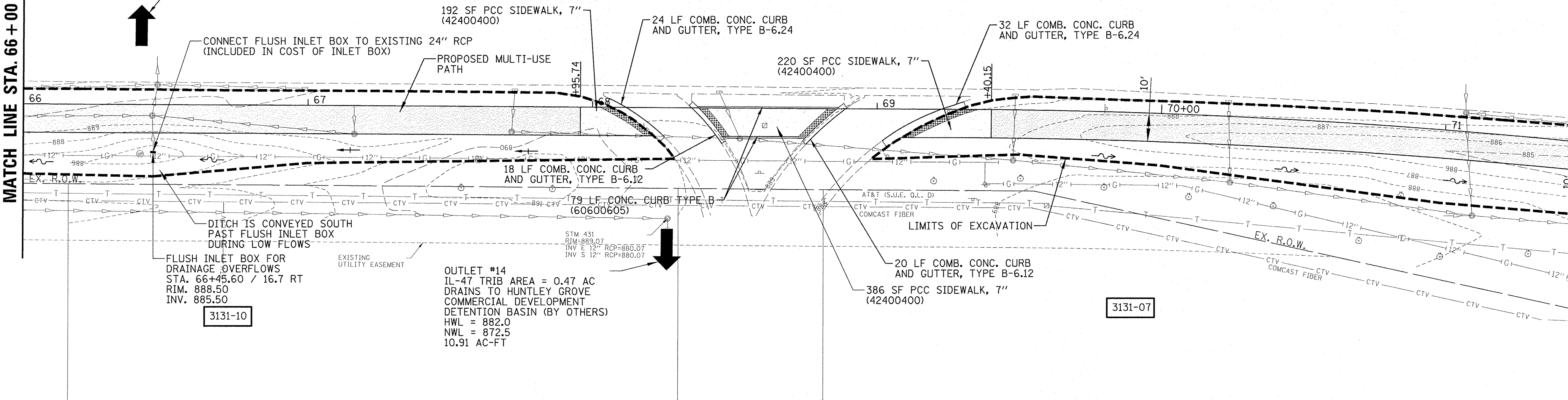
- [Pattern] MULTI-USE PATH
HMA SURF, MIX "D" (SEE TYP. SECTIONS)
- [Pattern] MULTI-USE PATH
HMA SURF, MIX "C" (SEE TYP. SECTIONS)



ILLINOIS ROUTE 47

MATCH LINE STA. 66 + 00

MATCH LINE STA. 71 + 50



FLUSH INLET BOX FOR DRAINAGE OVERFLOWS
STA. 66+45.60 / 16.7 RT
RIM. 888.50
INV. 885.50
3131-10

OUTLET #14
IL-47 TRIB AREA = 0.47 AC
DRAINS TO HUNTLEY GROVE
COMMERCIAL DEVELOPMENT
DETENTION BASIN (BY OTHERS)
HWL = 882.0
NWL = 872.5
10.91 AC-FT

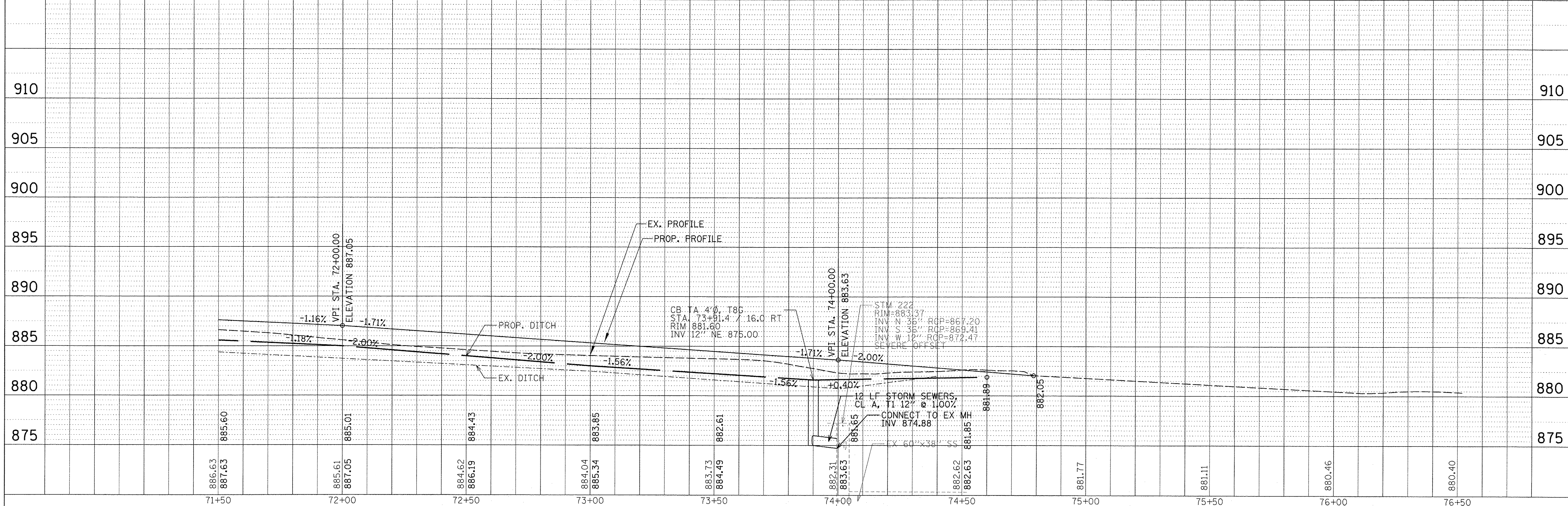
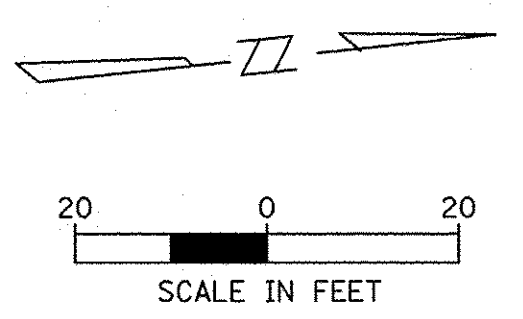
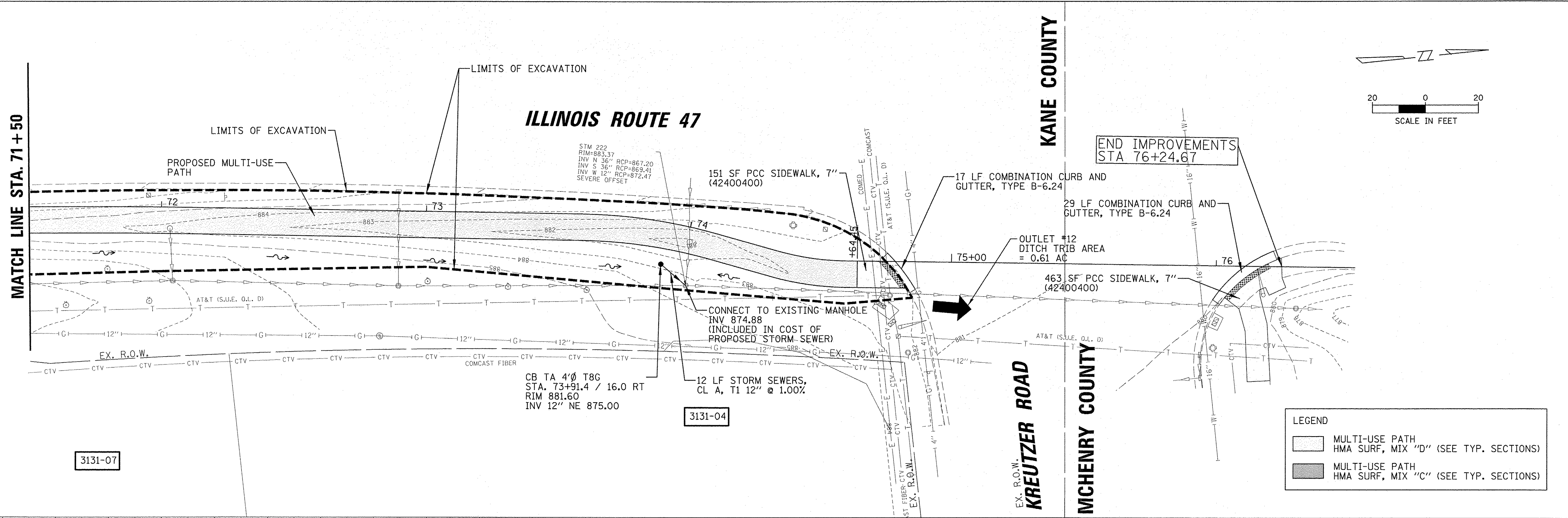
3131-07



FILE NAME = N:\Huntley\070103\070103.00057\Cv1\RP.P07	USER NAME = jstrick	DESIGNED - SNS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 47 MULTI-USE PATH ROADWAY PLAN AND PROFILE			F.A.P. 0326	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 20'	DRAWN - DJK	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	KANE	106	29
	PLOT DATE = 11/2/2016	CHECKED - MEK	REVISED -								CONTRACT NO. 61D43		
		DATE -	REVISED -								ILLINOIS FED. AID PROJECT	TE-0001964	

PLAN	SURVEYED	DATE
	NOTE BOOK	
	ALIGNED	
	RT. OF WAY CHECKED	
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	ADD. FILE NAME	

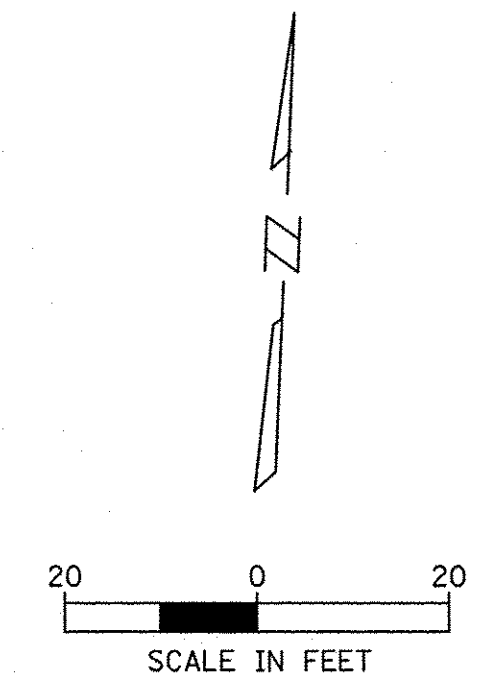
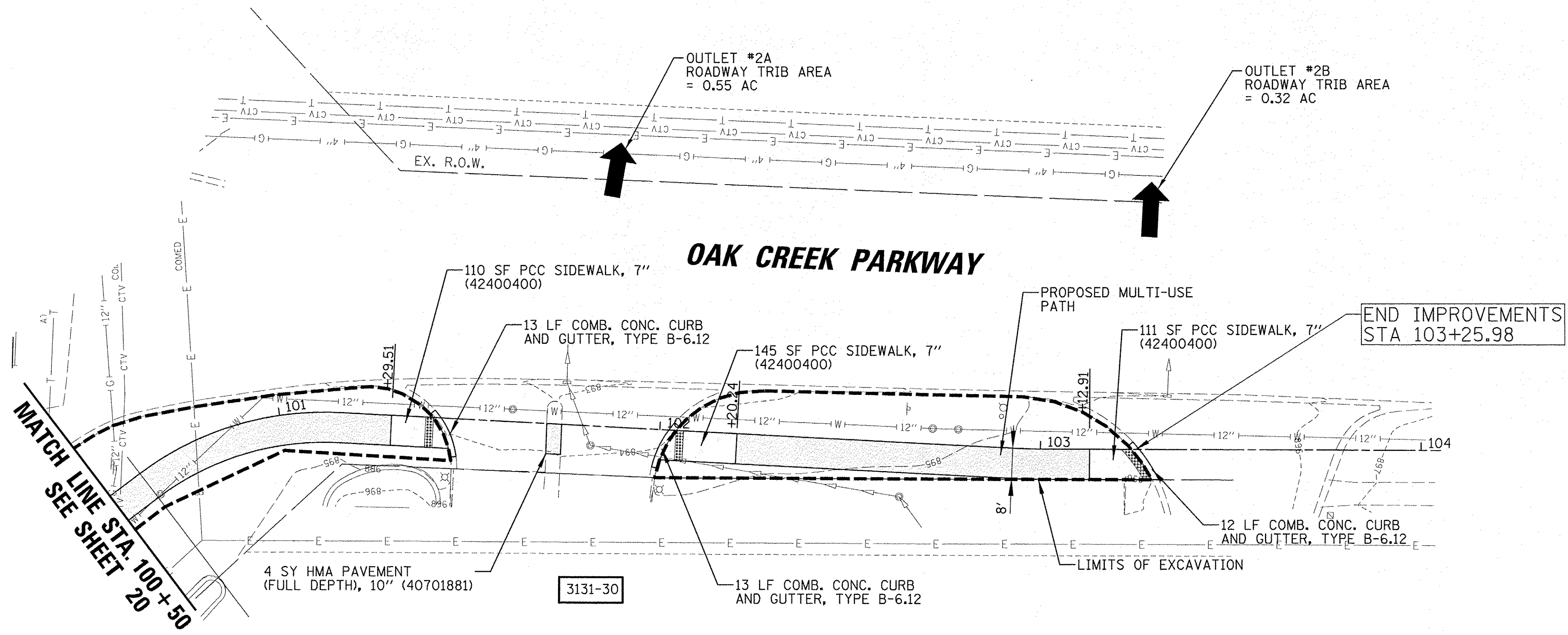
PROFILE	SURVEYED	DATE
	GRADES CHECKED	
	B.M. NOTED	
	STRUCTURE NOTATIONS CKPD	
	NO.	



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Default	PLOT SCALE = 20'	CHECKED - MEK	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	KANE	106	30
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											ILLINOIS FED. AID PROJECT	TE-00D(1964)	

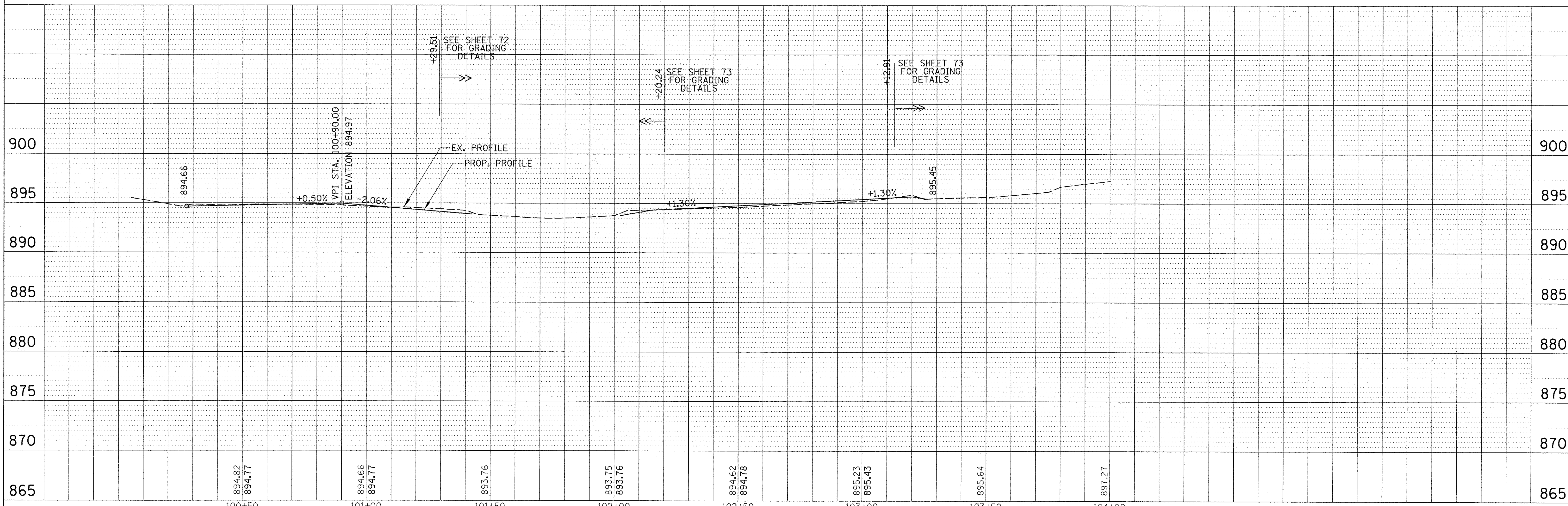
PLAN SURVEYED BY DATE
 ALIGNED CHECKED
 RT. OF WAY CHECKED
 NO. CADD FILE NAME

PROFILE SURVEYED BY DATE
 GRADES CHECKED
 B.M. NOTED
 STRUCTURE NOTATIONS CHK'D
 NO. CADD FILE NAME



LEGEND

[Pattern]	MULTI-USE PATH HMA SURF, MIX "D" (SEE TYP. SECTIONS)
[Pattern]	MULTI-USE PATH HMA SURF, MIX "C" (SEE TYP. SECTIONS)

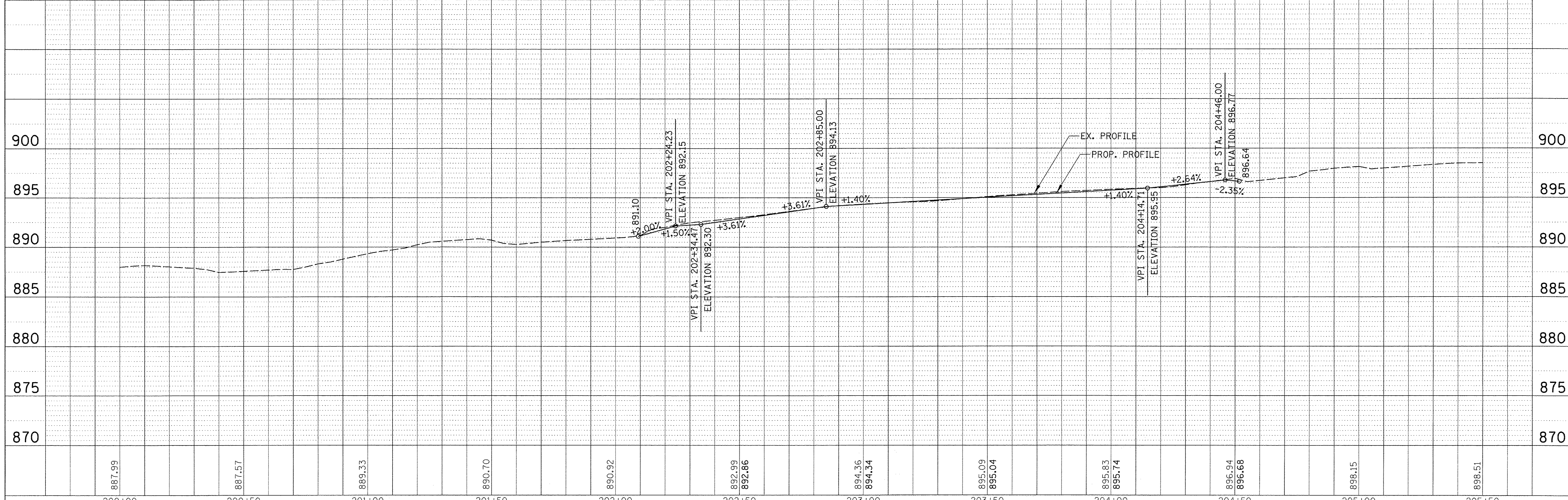
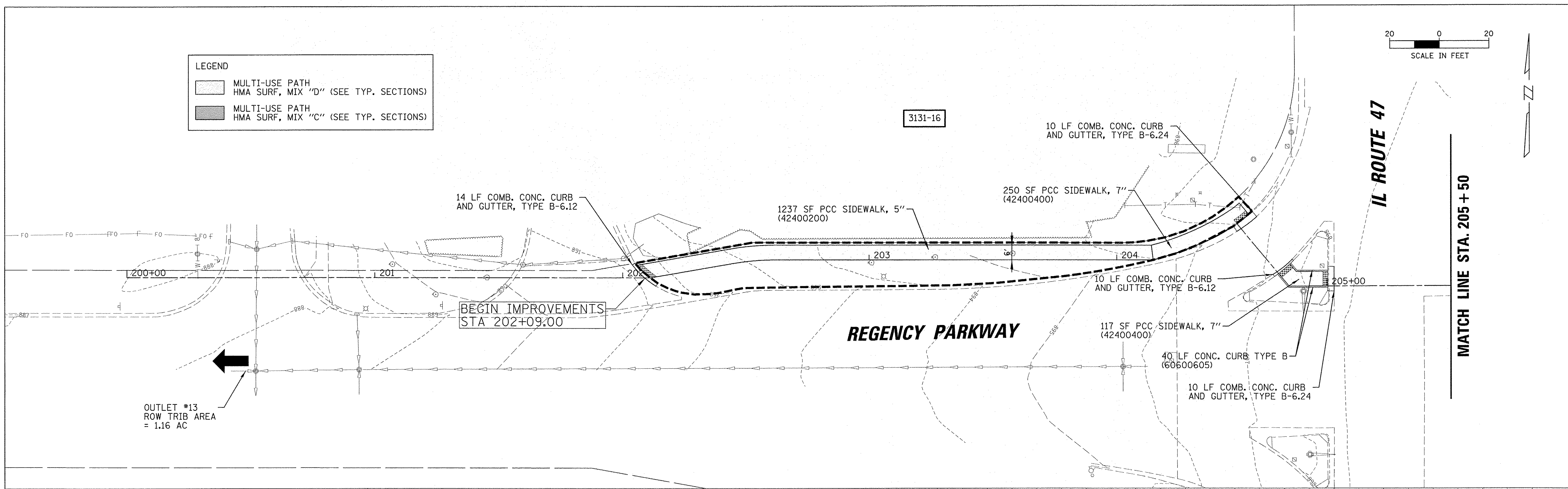
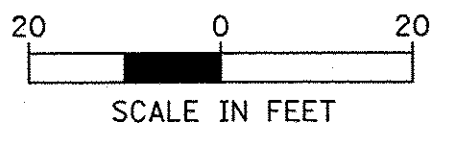


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Default	PLOT SCALE = 20'	CHECKED - MEK	REVISED -			IL-47	14-00041-00-BT	KANE	106	31	
	PLOT DATE = 11/2/2016	DATE -	REVISED -			CONTRACT NO. 61043					
						ILLINOIS FED. AID PROJECT TE-0001964					

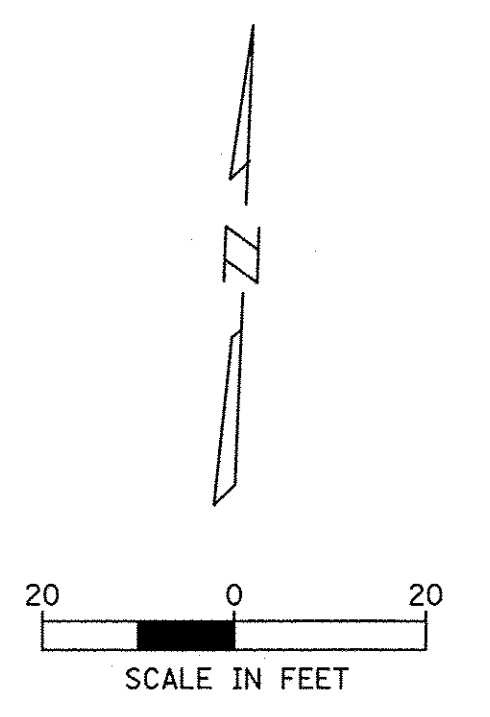
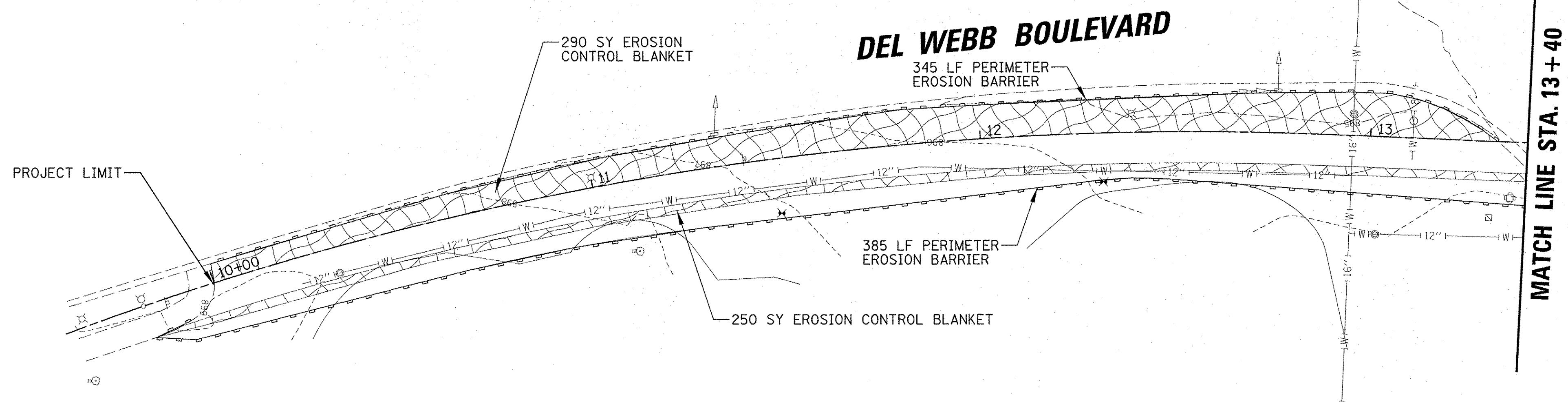
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 NOTE BOOK NO. RT. OF WAY CHECKED RT. OF WAY FILE NAME

PROFILE SURVEYED BY DATE
 NOTE BOOK NO. GRADES CHECKED BAL. NOTED STRUCTURE NOTATIONS CHKD

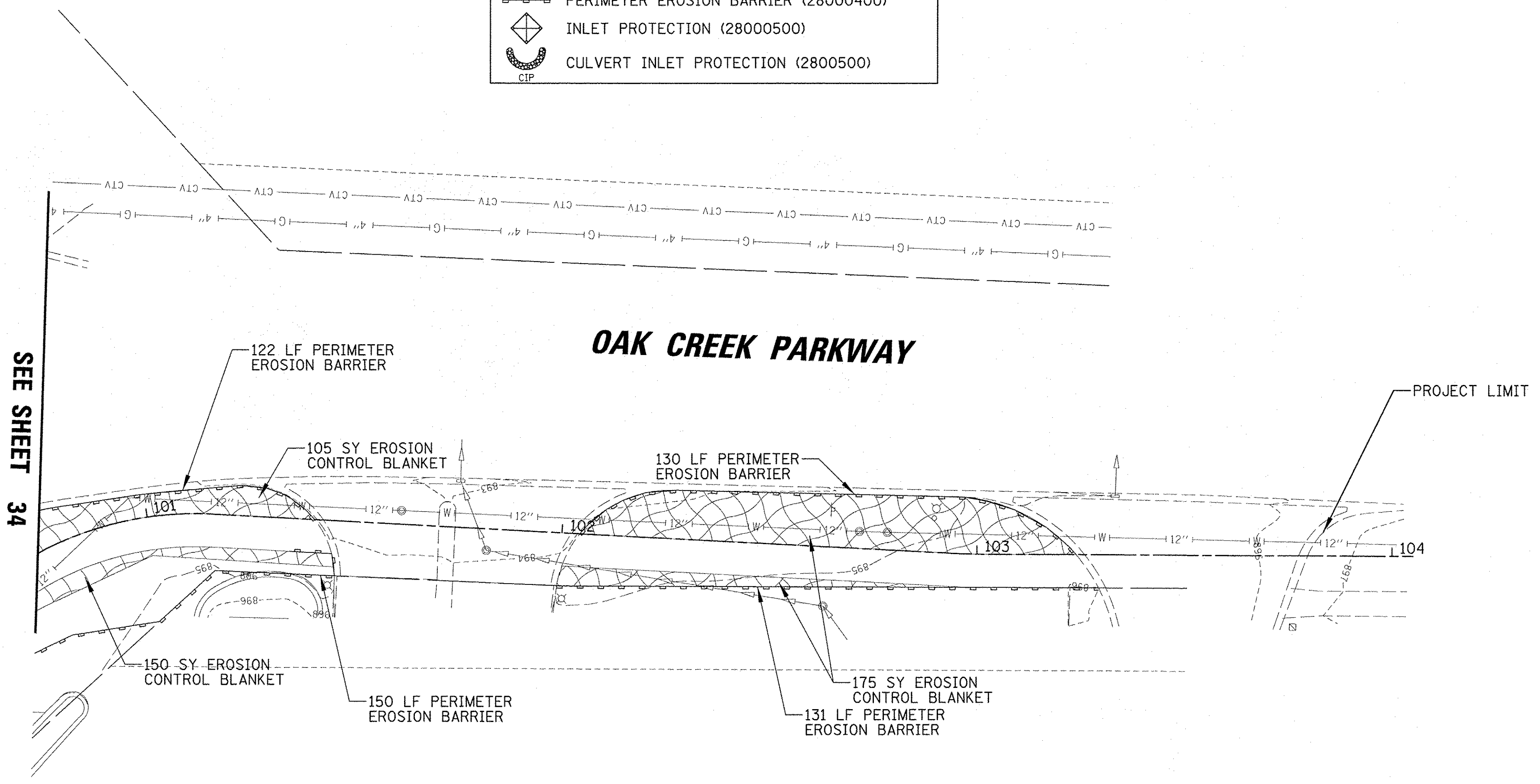
LEGEND
 MULTI-USE PATH
 HMA SURF, MIX "D" (SEE TYP. SECTIONS)
 MULTI-USE PATH
 HMA SURF, MIX "C" (SEE TYP. SECTIONS)



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Default	PLOT SCALE = 20'	DRAWN - DJK	REVISED -		IL-47	14-00041-00-BT	KANE	106	32				
	PLOT DATE = 11/2/2016	CHECKED - MEK	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 61043		ILLINOIS FED. AID PROJECT TE-00D1964)		
		DATE -	REVISED -										

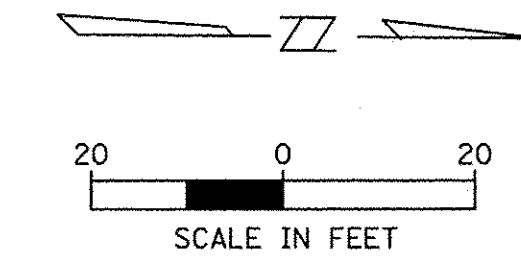


LEGEND	
	PERMANENT STABILIZATION (SEE LANDSCAPING PLANS FOR DETAILS)
	TEMPORARY URETHANE FOAM DITCH CHECK (28000305)
	PERIMETER EROSION BARRIER (28000400)
	INLET PROTECTION (28000500)
	CULVERT INLET PROTECTION (2800500)



FILE NAME =	USER NAME = jstrick	DESIGNED - SNS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 47 MULTI-USE PATH EROSION AND SEDIMENT CONTROL PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Huntley\070103\070103.00057\Civil\ESD\070103.57.01.SHT		DRAWN - DJK	REVISED -			0326	14-00041-00-BT	KANE	106	33
PLOT SCALE = 20'		CHECKED - MEK	REVISED -			CONTRACT NO. 61043				
PLOT DATE = 11/2/2016		DATE -	REVISED -			[ILLINOIS] FED. AID PROJECT TE-0001964)				
Default				SCALE:	SHEET OF SHEETS	STA. TO STA.				

MATCH LINE STA. 13+40



DEL WEBB BLVD

ILLINOIS ROUTE 47

MATCH LINE STA. 19+50

PROJECT LIMIT

730 SY EROSION CONTROL BLANKET

150 LF PERIMETER EROSION BARRIER

150 SY EROSION CONTROL BLANKET

OAK CREEK PARKWAY

SEE SHEET 33

1075 SY EROSION CONTROL BLANKET

550 LF PERIMETER EROSION BARRIER

ILLINOIS ROUTE 47

LEGEND

	PERMANENT STABILIZATION (SEE LANDSCAPING PLANS FOR DETAILS)
	TEMPORARY URETHANE FOAM DITCH CHECK (28000305)
	PERIMETER EROSION BARRIER (28000400)
	INLET PROTECTION (28000500)
	CULVERT INLET PROTECTION (28000500)

MATCH LINE STA. 19+50

STM 1741
RIM=895.24
INV N 12" RCP=891.14
INV E 36" RCP=886.99
INV S 12" RCP=890.24
INV W 36" RCP=886.99

STM 1648
RIM=894.87
INV N 15" RCP=890.17
INV E 15" RCP=889.07
INV S 15" RCP=889.07
SEVERE OFFSET

WETLAND BOUNDARY (TYP.)

250 LF DOUBLE PERIMETER EROSION BARRIER (TO BE LOCATED OUTSIDE OF WETLAND)

860 SY EROSION CONTROL BLANKET

635 LF PERIMETER EROSION BARRIER

HUNTLEY CROSSINGS PHASE I
BASIN 2A
100-YR HWL: 895.30
OVERTOPPING: 896.30

BASINS 2A, 2B, & 2C
100-YR BEHELDEN, VOLUNT. 10.00 A.S. 4+

MATCH LINE STA. 25+50

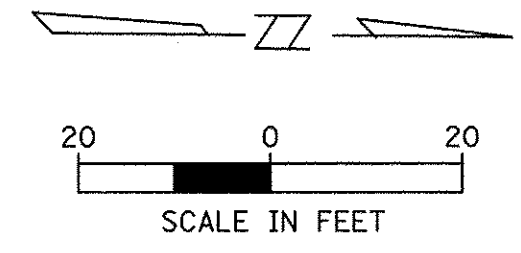
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	PLOT DATE = 11/3/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 47 MULTI-USE PATH
EROSION AND SEDIMENT CONTROL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

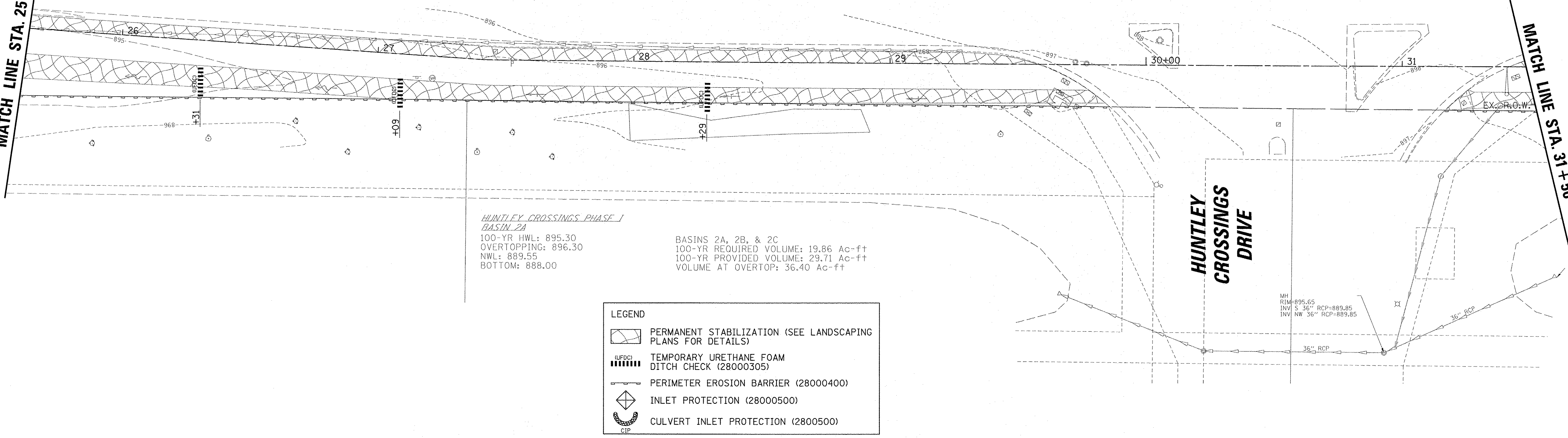
F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 34
CONTRACT NO. 61D43			ILLINOIS FED. AID PROJECT TE-00019641	



ILLINOIS ROUTE 47

MATCH LINE STA. 25 + 50

MATCH LINE STA. 31 + 50



*HUNTLEY CROSSINGS PHASE I
BASIN 2A*
100-YR HWL: 895.30
OVERTOPPING: 896.30
NWL: 889.55
BOTTOM: 888.00

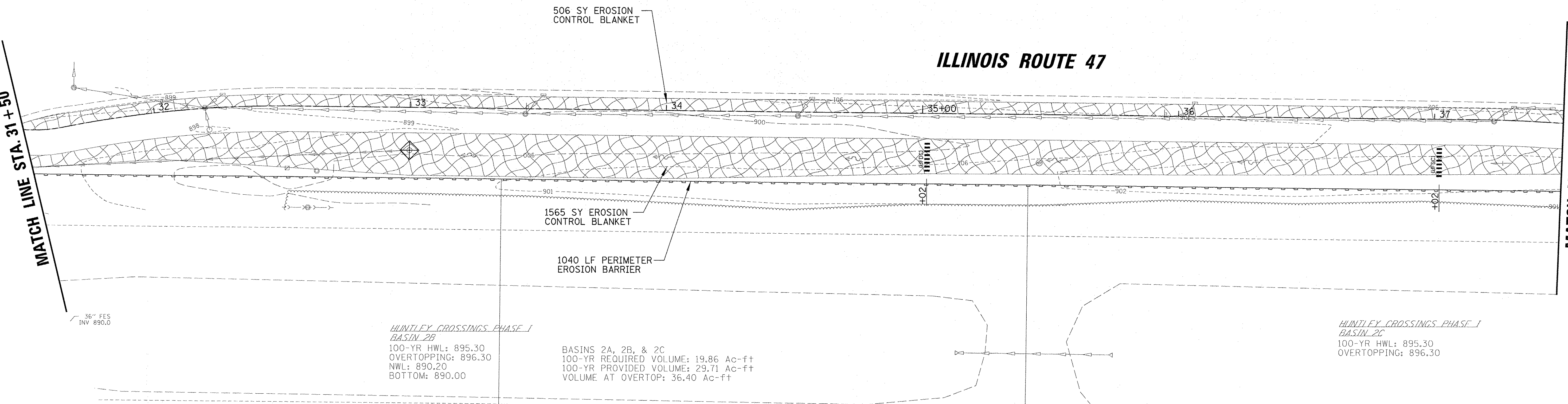
BASINS 2A, 2B, & 2C
100-YR REQUIRED VOLUME: 19.86 Ac-ft
100-YR PROVIDED VOLUME: 29.71 Ac-ft
VOLUME AT OVERTOP: 36.40 Ac-ft

LEGEND

- PERMANENT STABILIZATION (SEE LANDSCAPING PLANS FOR DETAILS)
- TEMPORARY URETHANE FOAM DITCH CHECK (28000305)
- PERIMETER EROSION BARRIER (28000400)
- INLET PROTECTION (28000500)
- CULVERT INLET PROTECTION (2800500)

MATCH LINE STA. 31 + 50

MATCH LINE STA. 37 + 50



506 SY EROSION CONTROL BLANKET

1565 SY EROSION CONTROL BLANKET

1040 LF PERIMETER EROSION BARRIER

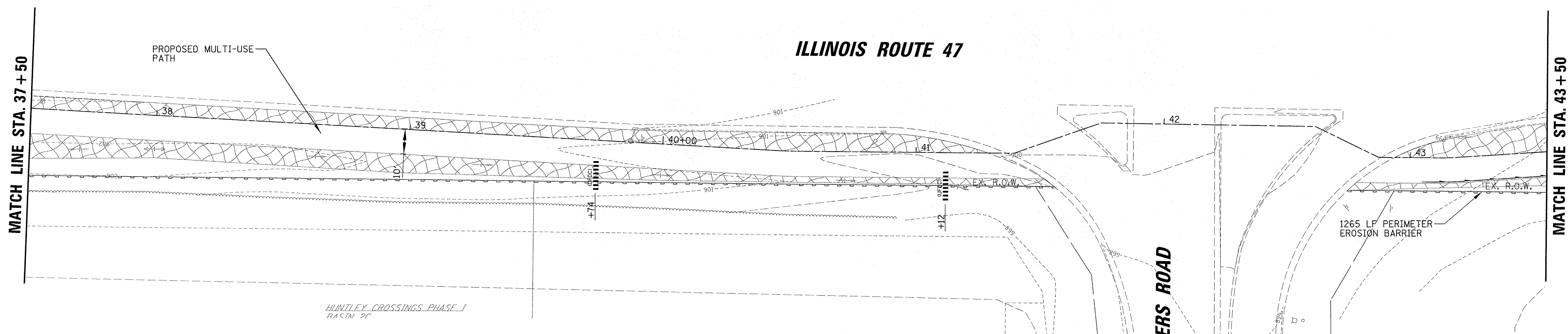
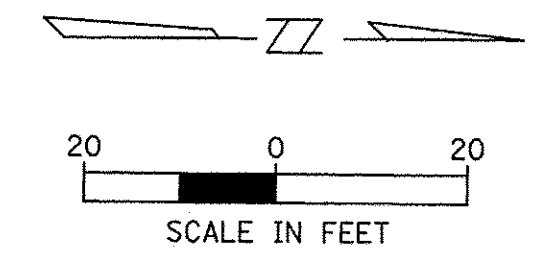
*HUNTLEY CROSSINGS PHASE I
BASIN 2B*
100-YR HWL: 895.30
OVERTOPPING: 896.30
NWL: 890.20
BOTTOM: 890.00

BASINS 2A, 2B, & 2C
100-YR REQUIRED VOLUME: 19.86 Ac-ft
100-YR PROVIDED VOLUME: 29.71 Ac-ft
VOLUME AT OVERTOP: 36.40 Ac-ft

*HUNTLEY CROSSINGS PHASE I
BASIN 2C*
100-YR HWL: 895.30
OVERTOPPING: 896.30

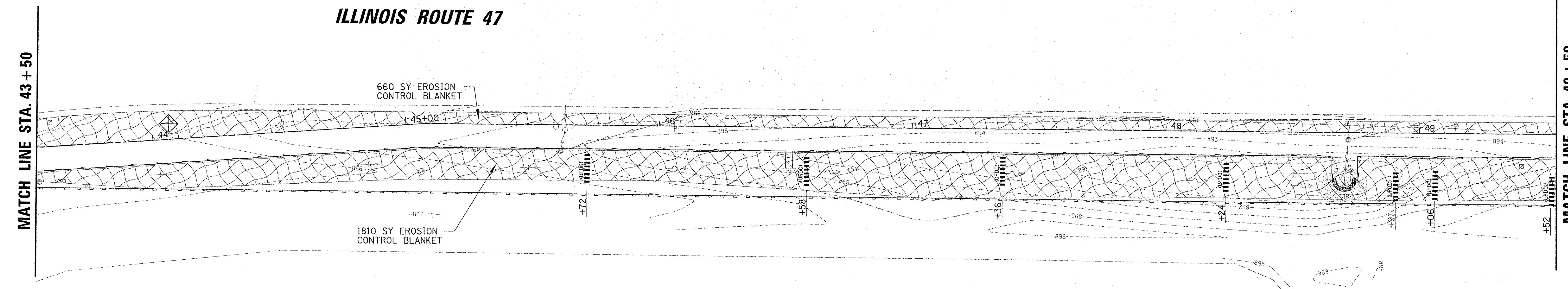
ILLINOIS ROUTE 47

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Default	PLOT SCALE = 20'	DRAWN - DJK	REVISED -					SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 61D43 ILLINOIS FED. AID PROJECT TE-00D(964)	
	PLOT DATE = 11/2/2016	CHECKED - MEK	REVISED -												
		DATE -	REVISED -												



HUNTLEY CROSSINGS PHASE I
BASIN 2C

LEGEND	
	PERMANENT STABILIZATION (SEE LANDSCAPING PLANS FOR DETAILS)
	TEMPORARY URETHANE FOAM DITCH CHECK (28000305)
	PERIMETER EROSION BARRIER (28000400)
	INLET PROTECTION (28000500)
	CULVERT INLET PROTECTION (2800500)



HUNTLEY CROSSINGS PHASE II
BASIN F

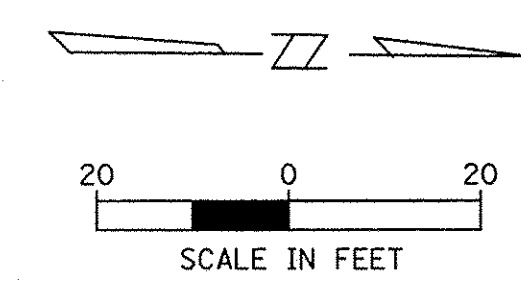
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Default	PLOT DATE = 11/2/2016	CHECKED - MEK	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 47 MULTI-USE PATH
EROSION AND SEDIMENT CONTROL PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

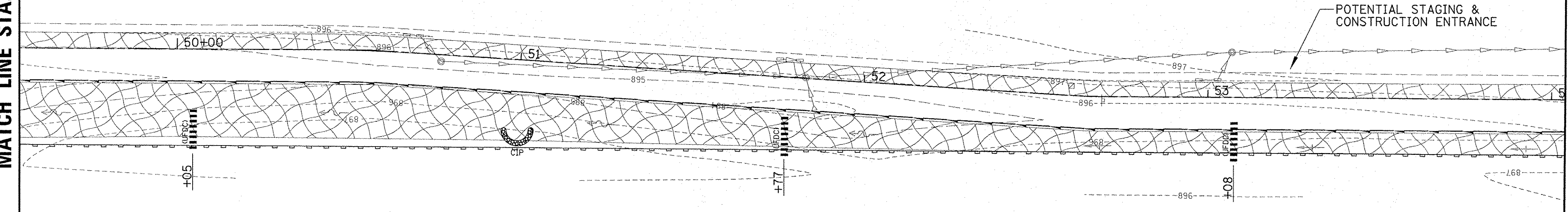
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CONTRACT NO. 61D43			ILLINOIS FED. AID PROJECT TE-00D(1964)	



MATCH LINE STA. 49 + 50

ILLINOIS ROUTE 47

MATCH LINE STA. 54 + 00



LEGEND

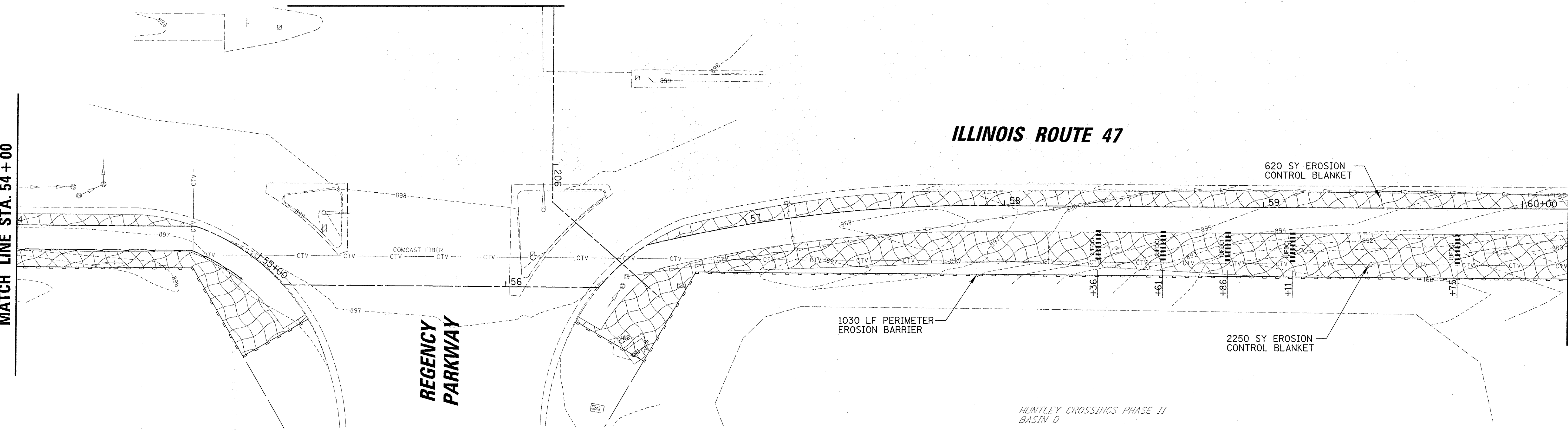
- PERMANENT STABILIZATION (SEE LANDSCAPING PLANS FOR DETAILS)
- TEMPORARY URETHANE FOAM DITCH CHECK (28000305)
- PERIMETER EROSION BARRIER (28000400)
- INLET PROTECTION (28000500)
- CULVERT INLET PROTECTION (2800500)

SEE SHEET 18

MATCH LINE STA. 54 + 00

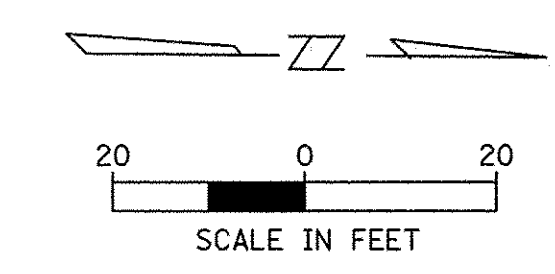
ILLINOIS ROUTE 47

MATCH LINE STA. 60 + 00



HUNTLEY CROSSINGS PHASE II BASIN D

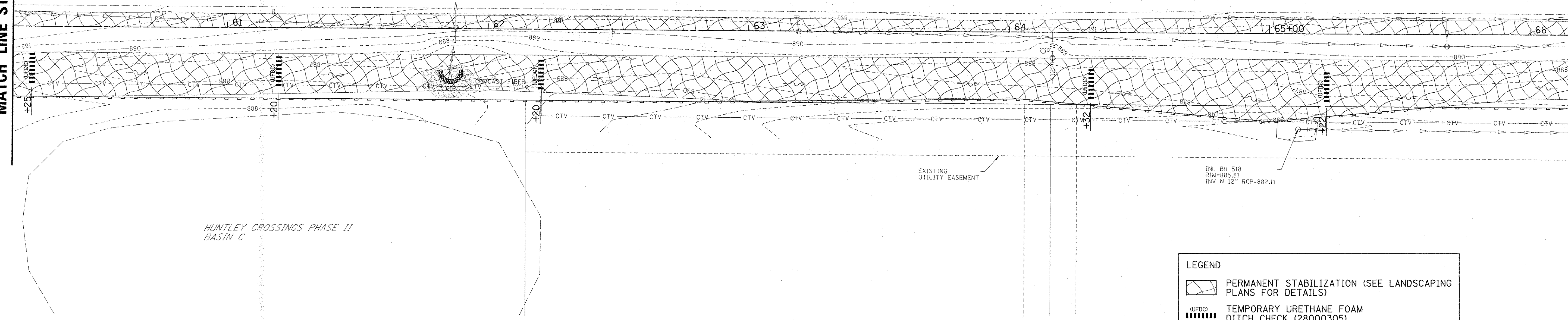
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PLOT SCALE = 2"	PLOT DATE = 11/22/2016	DRAWN - DJK	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 61D43	
CHECKED - MEK	DATE -	REVISOR -	REVISED -			ILLINOIS FED. AID PROJECT TE-00019641				
DATE -	DATE -	REVISOR -	REVISED -							



ILLINOIS ROUTE 47

MATCH LINE STA. 60+00

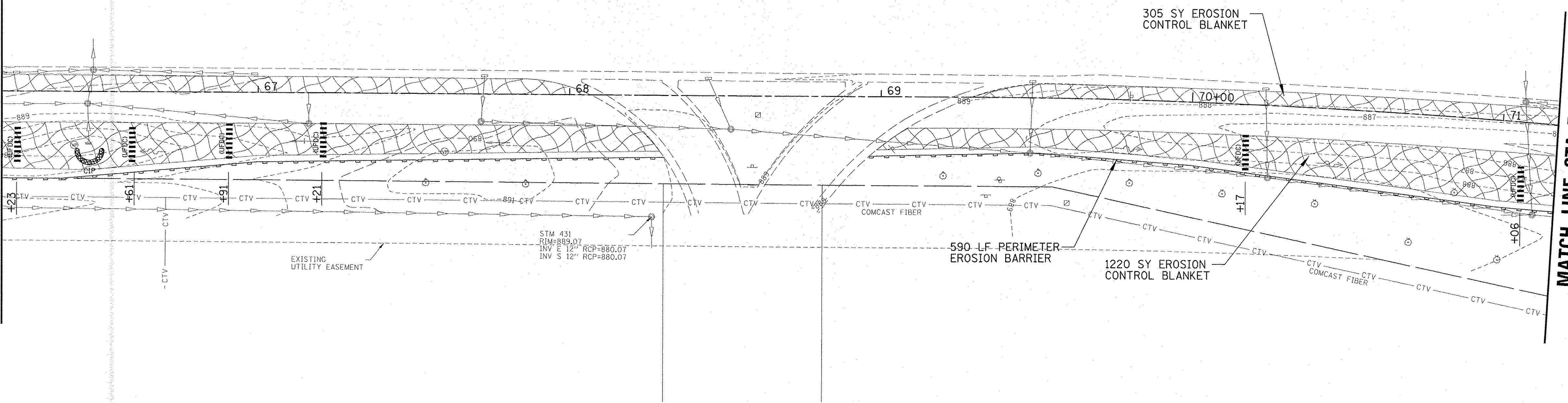
MATCH LINE STA. 66+00



LEGEND	
	PERMANENT STABILIZATION (SEE LANDSCAPING PLANS FOR DETAILS)
	TEMPORARY URETHANE FOAM DITCH CHECK (28000305)
	PERIMETER EROSION BARRIER (28000400)
	INLET PROTECTION (28000500)
	CULVERT INLET PROTECTION (28000500)

MATCH LINE STA. 66+00

MATCH LINE STA. 71+00

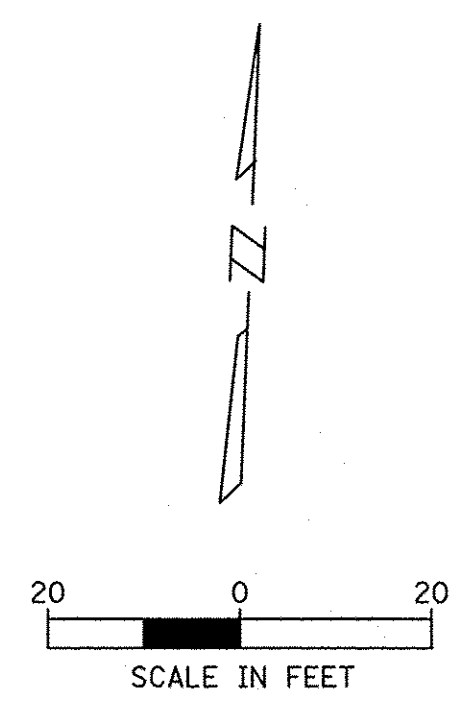
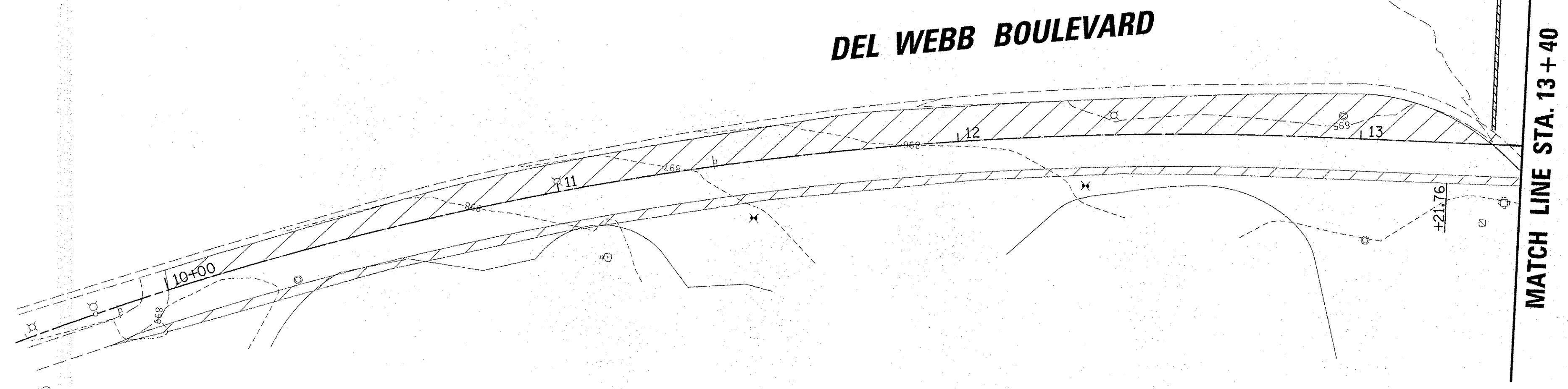


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	PLOT DATE = 11/2/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

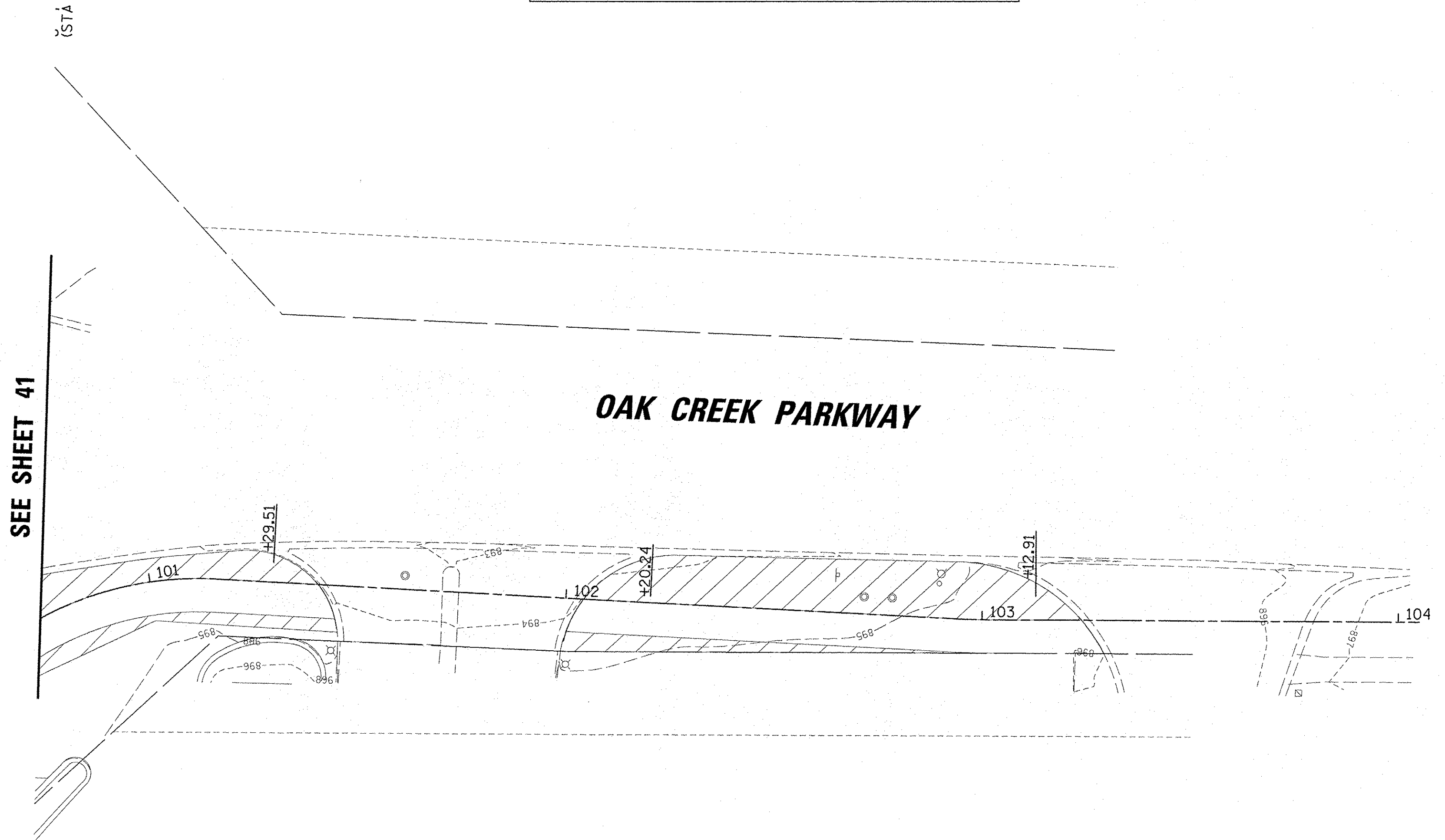
**IL RTE 47 MULTI-USE PATH
EROSION AND SEDIMENT CONTROL PLAN**

F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 38
SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 61D43	
ILLINOIS FED. AID PROJECT TE-00019641				



LEGEND

TOPSOIL EXCAVATION AND PLACEMENT (21101505), SEEDING, CLASS 2A (25000210), EROSION CONTROL BLANKET (25100630), NITROGEN FERTILIZER NUTRIENT (25000400), AND POTASSIUM FERTILIZER NUTRIENT (25000600)



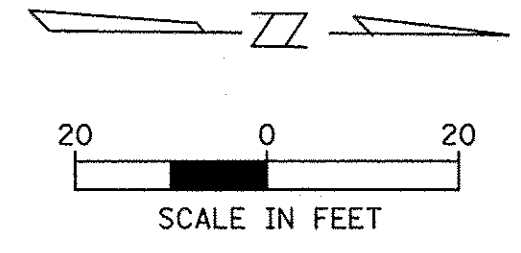
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Default	PLOT SCALE = 20'	DRAWN - DJK	REVISED -
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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

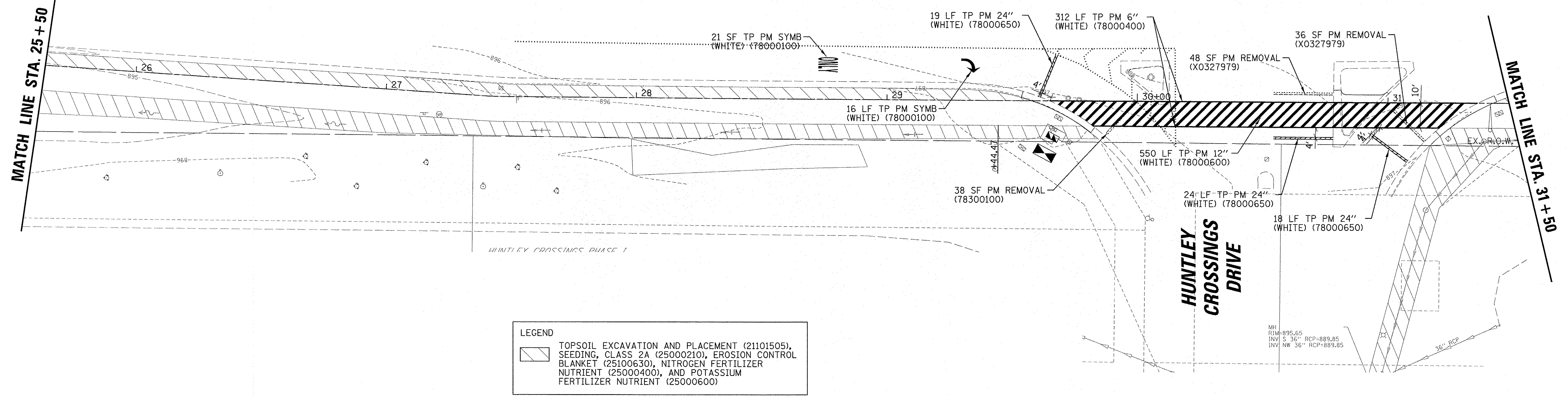
IL RTE 47 MULTI-USE PATH
LANDSCAPING AND PAVEMENT MARKING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 40
CONTRACT NO. 61D43			ILLINOIS FED. AID PROJECT TE-0001964	

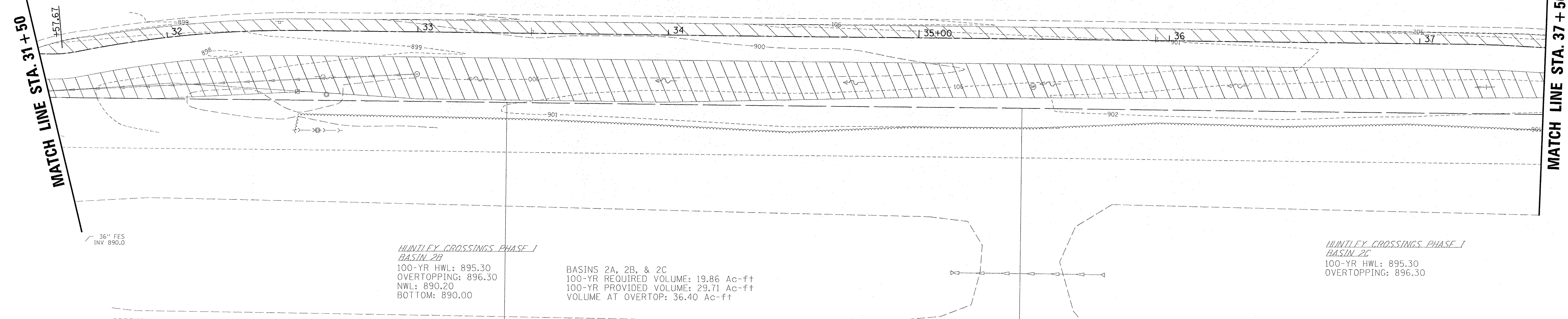


ILLINOIS ROUTE 47

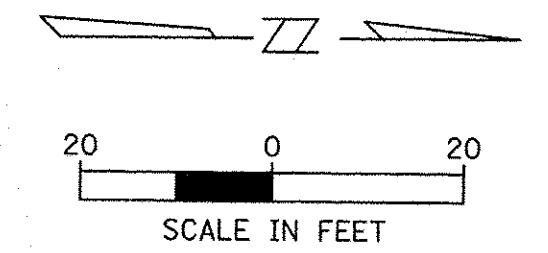


LEGEND
 [Hatched Box] TOPSOIL EXCAVATION AND PLACEMENT (21101505), SEEDING, CLASS 2A (25000210), EROSION CONTROL BLANKET (25100630), NITROGEN FERTILIZER NUTRIENT (25000400), AND POTASSIUM FERTILIZER NUTRIENT (25000600)

ILLINOIS ROUTE 47



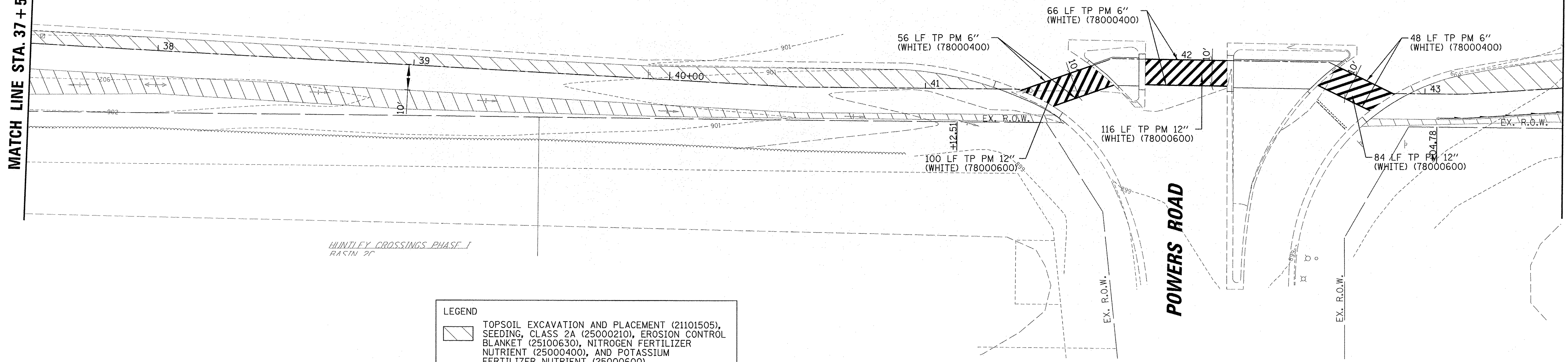
FILE NAME = N:\Huntley\070103\070103.00057\Civil\SP	USER NAME = jstrick	DESIGNED - SNS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 47 MULTI-USE PATH LANDSCAPING AND PAVEMENT MARKING PLAN	F.A.P. RTE. = 0326	SECTION = 14-00041-00-BT	COUNTY = KANE	TOTAL SHEETS = 106	SHEET NO. = 42	
Default	PLOT SCALE = 20'	CHECKED - MEK	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 61D43		
	PLOT DATE = 11/2/2016	DATE -	REVISED -					ILLINOIS FED. AID PROJECT		TE-0001(964)	



ILLINOIS ROUTE 47

MATCH LINE STA. 37 + 50

MATCH LINE STA. 43 + 50

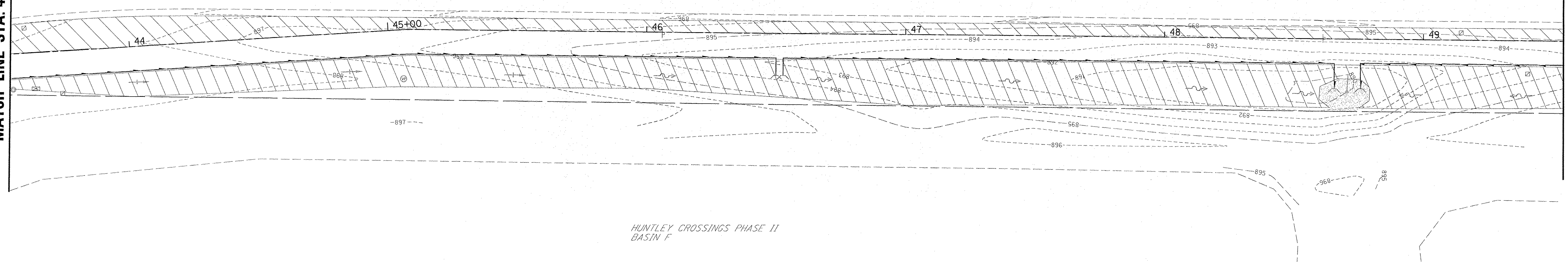


LEGEND	
	TOPSOIL EXCAVATION AND PLACEMENT (21101505), SEEDING, CLASS 2A (25000210), EROSION CONTROL BLANKET (25100630), NITROGEN FERTILIZER NUTRIENT (25000400), AND POTASSIUM FERTILIZER NUTRIENT (25000600)

ILLINOIS ROUTE 47

MATCH LINE STA. 43 + 50

MATCH LINE STA. 49 + 50



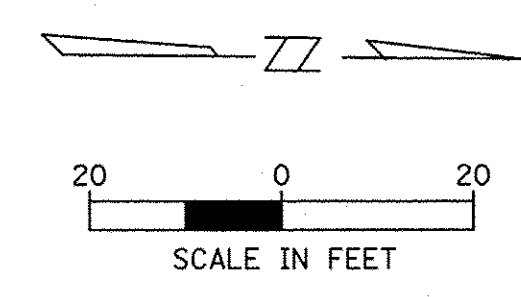
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	PLOT DATE = 11/2/2016	CHECKED - MEK	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 47 MULTI-USE PATH
LANDSCAPING AND PAVEMENT MARKING PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

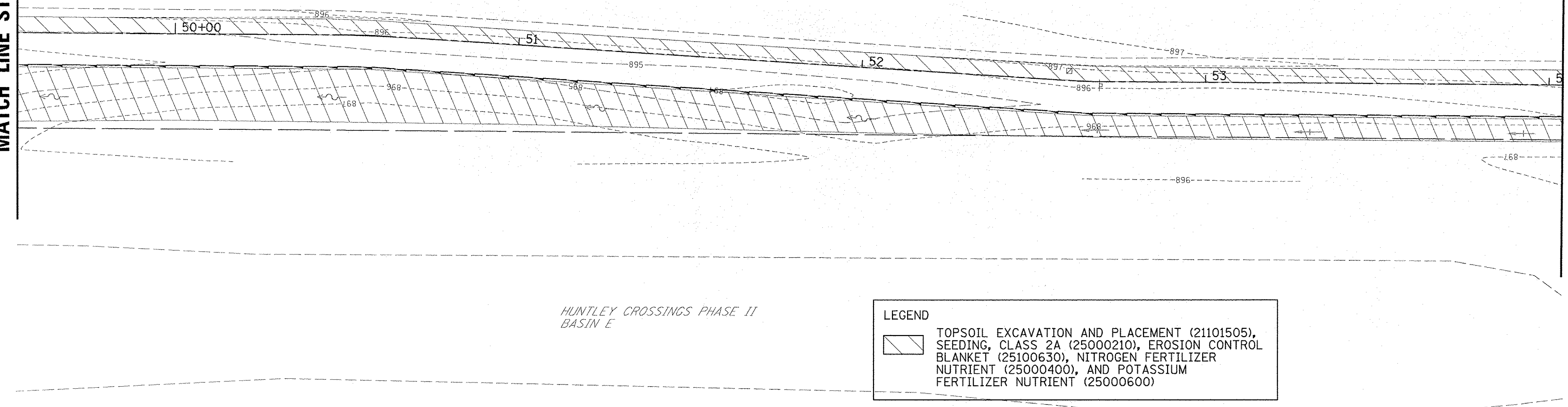
F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 43
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D43	
			TE-0001964)	



ILLINOIS ROUTE 47

MATCH LINE STA. 49 + 50

MATCH LINE STA. 54 + 00



LEGEND

TOPSOIL EXCAVATION AND PLACEMENT (21101505), SEEDING, CLASS 2A (25000210), EROSION CONTROL BLANKET (25100630), NITROGEN FERTILIZER NUTRIENT (25000400), AND POTASSIUM FERTILIZER NUTRIENT (25000600)

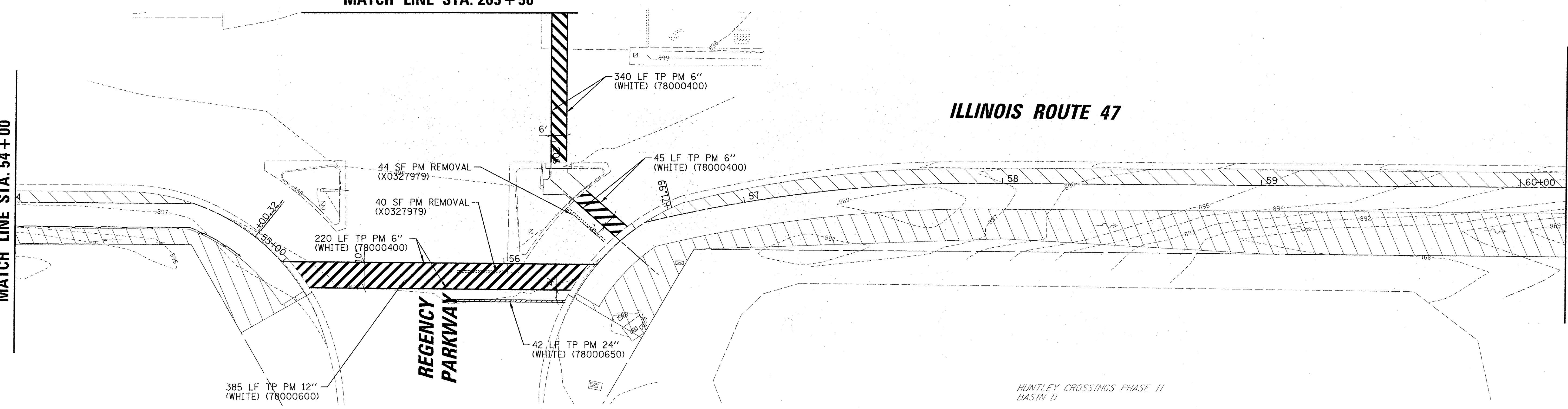
HUNTLEY CROSSINGS PHASE II
BASIN E

MATCH LINE STA. 205 + 50

ILLINOIS ROUTE 47

MATCH LINE STA. 54 + 00

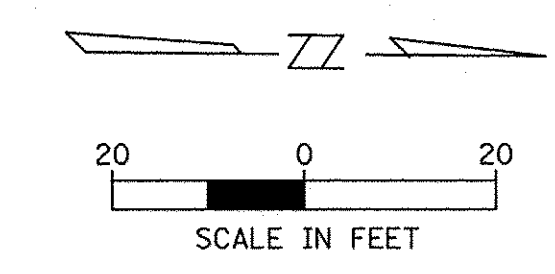
MATCH LINE STA. 60 + 00



- 340 LF TP PM 6" (WHITE) (78000400)
- 45 LF TP PM 6" (WHITE) (78000400)
- 44 SF PM REMOVAL (X0327979)
- 40 SF PM REMOVAL (X0327979)
- 220 LF TP PM 6" (WHITE) (78000400)
- 42 LF TP PM 24" (WHITE) (78000650)
- 385 LF TP PM 12" (WHITE) (78000600)

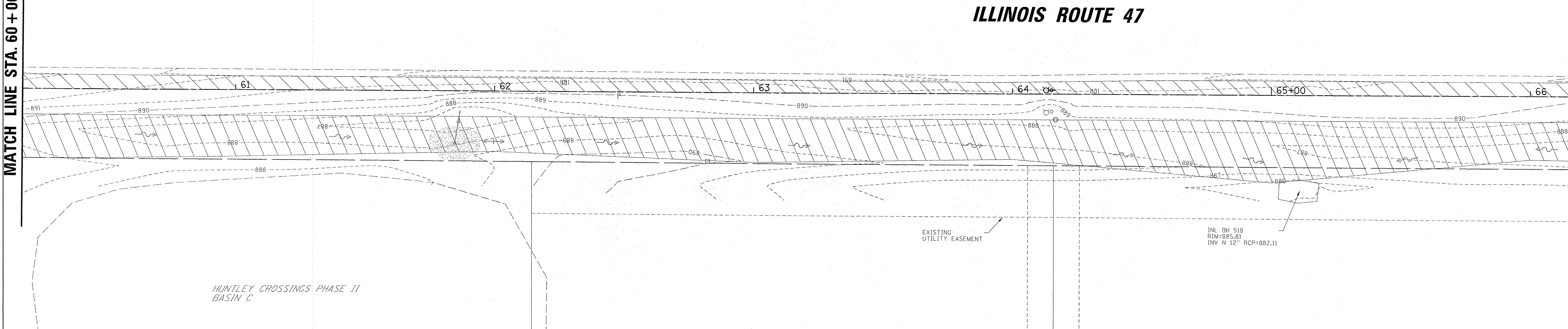
HUNTLEY CROSSINGS PHASE II
BASIN D

FILE NAME = N:\Huntley\070103\070103.00057\Civil\SP	USER NAME = jstrik	DESIGNED - SNS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 47 MULTI-USE PATH LANDSCAPING AND PAVEMENT MARKING PLAN	F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 44	
PLDT SCALE = 20'	PLDT DATE = 11/2/2016	DRAWN - DJK	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 61D43		ILLINOIS FED. AID PROJECT TE-0001964
Default		CHECKED - MEK	REVISED -								
		DATE -	REVISED -								



MATCH LINE STA. 60+00

MATCH LINE STA. 66+00

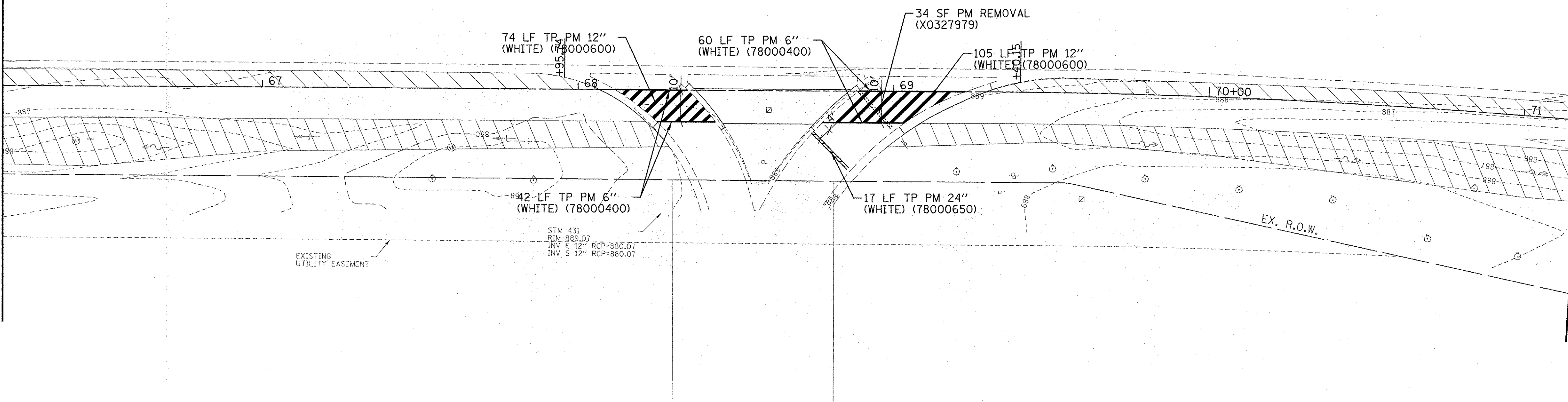


LEGEND

TOPSOIL EXCAVATION AND PLACEMENT (21101505), SEEDING, CLASS 2A (25000210), EROSION CONTROL BLANKET (25100630), NITROGEN FERTILIZER NUTRIENT (25000400), AND POTASSIUM FERTILIZER NUTRIENT (25000600)

MATCH LINE STA. 66+00

MATCH LINE STA. 71+00



FILE NAME = N:\Huntley\070103\070103.00057\Civil\NSP	USER NAME = jsitrick 070103_57_06.SHT	DESIGNED - SNS	REVISED -
Default	PLOT SCALE = 20'	DRAWN - DJK	REVISED -
	PLOT DATE = 11/2/2016	CHECKED - MEK	REVISED -
		DATE -	REVISED -

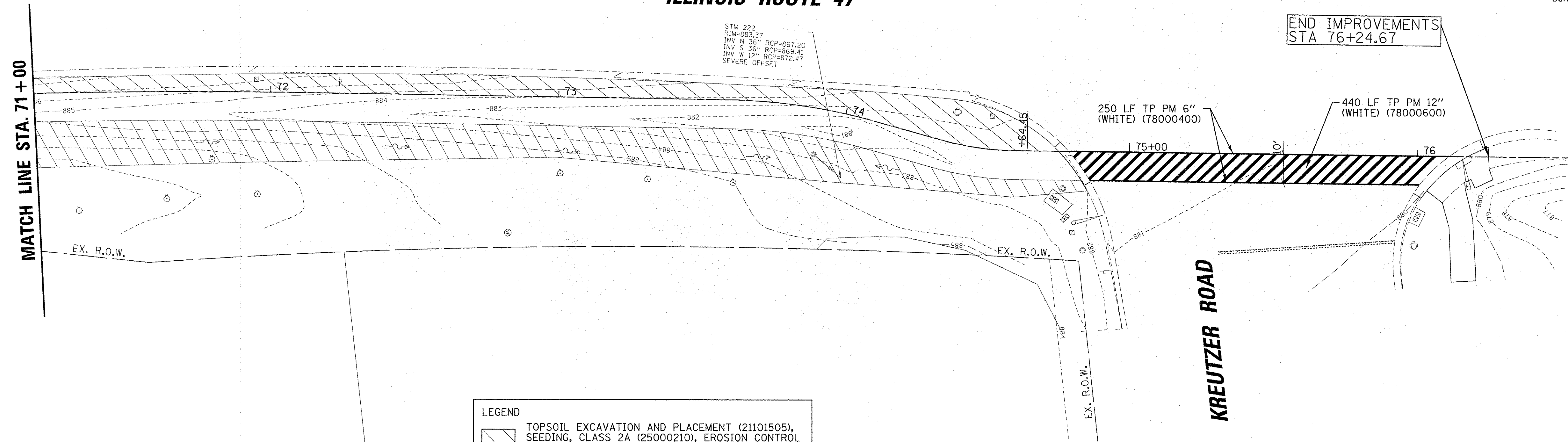
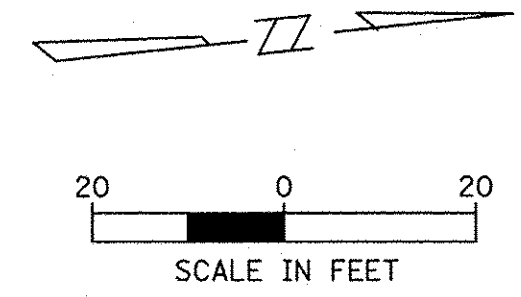
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 47 MULTI-USE PATH
LANDSCAPING AND PAVEMENT MARKING PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

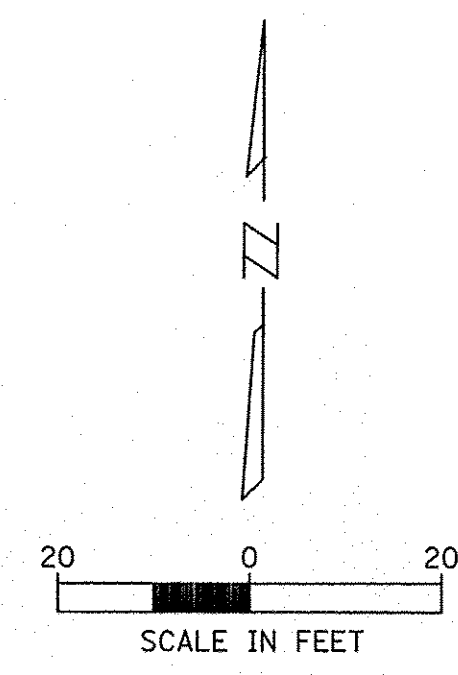
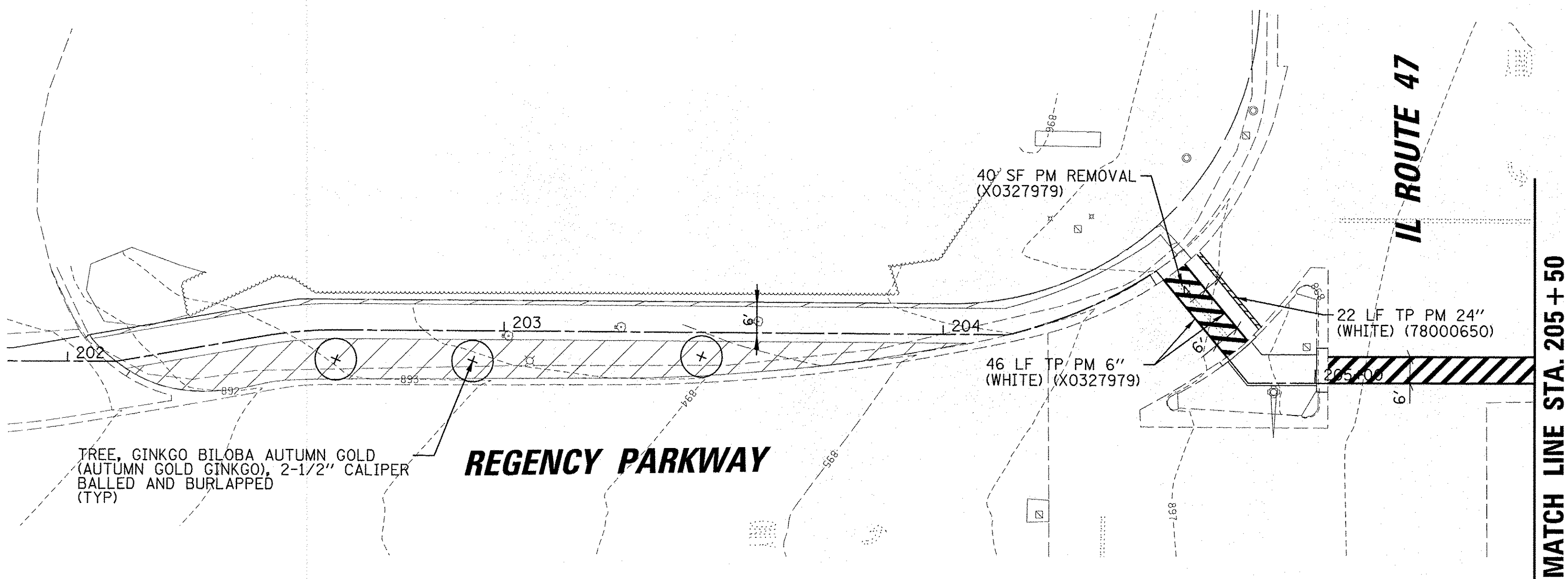
F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 45
CONTRACT NO. 61D43			ILLINOIS FED. AID PROJECT TE-00019641	

ILLINOIS ROUTE 47



LEGEND

TOPSOIL EXCAVATION AND PLACEMENT (21101505), SEEDING, CLASS 2A (25000210), EROSION CONTROL BLANKET (25100630), NITROGEN FERTILIZER NUTRIENT (25000400), AND POTASSIUM FERTILIZER NUTRIENT (25000600)



TREE, GINKGO BILOBA AUTUMN GOLD (AUTUMN GOLD GINKGO), 2-1/2" CALIPER BALLED AND BURLAPPED (TYP)

REGENCY PARKWAY

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 47 MULTI-USE PATH
LANDSCAPING AND PAVEMENT MARKING PLAN**

FILE NAME -	USER NAME - jstrick	DESIGNED - SNS	REVISED -
N:\Huntley\070103\070103.00057\Civil\ESP	070103.57.07.SHT	DRAWN - DJK	REVISED -
Default	PLOT SCALE = 20'	CHECKED - MEK	REVISED -
	PLOT DATE = 11/2/2016	DATE -	REVISED -

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	14-00041-00-BT	KANE	106	46
CONTRACT NO. 61D43			[ILLINOIS] FED. AID PROJECT TE-0001964	

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"	 	
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	 	 	RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	 	
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	 	
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED	 	 	MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	 	 	DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

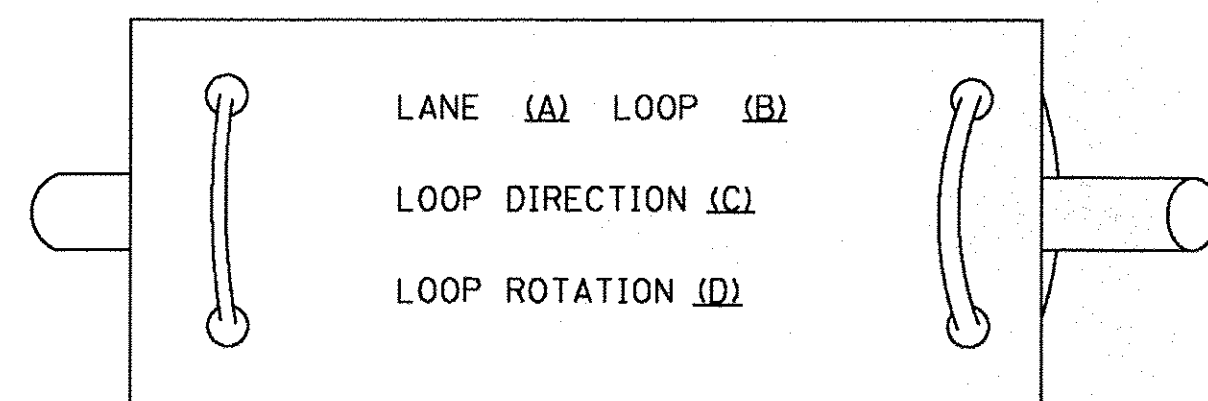
TS SHT NO. 1

FILE NAME =	USER NAME = plascencia	DESIGNED - IP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		DRAWN - IP	REVISED -			326	14-00041-00-BT	KANE	106	47	
	PLOT SCALE = 100.0000 "/ in.	CHECKED - LP	REVISED -			TS-05		CONTRACT NO. 61043			
	PLOT DATE = 6/10/2016	DATE - 6/8/2016	REVISED -			SCALE: NONE	SHEET 1 OF 7 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

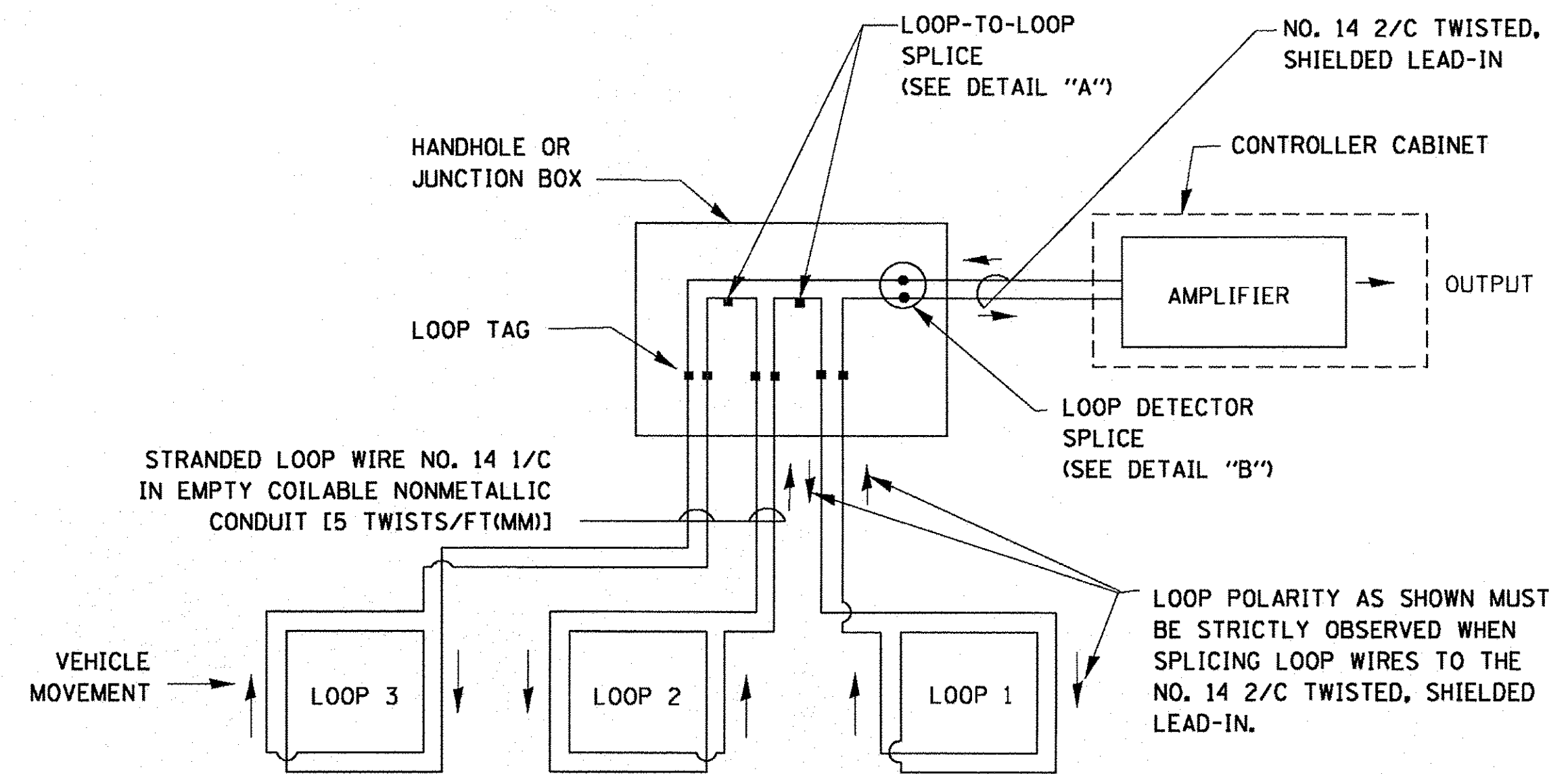
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

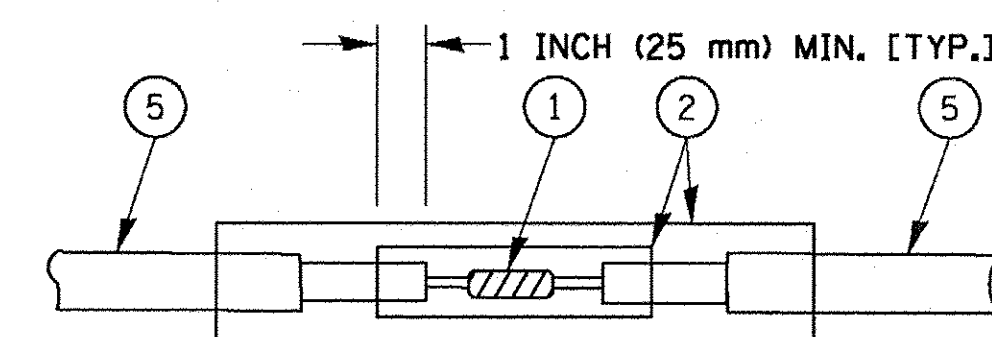


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

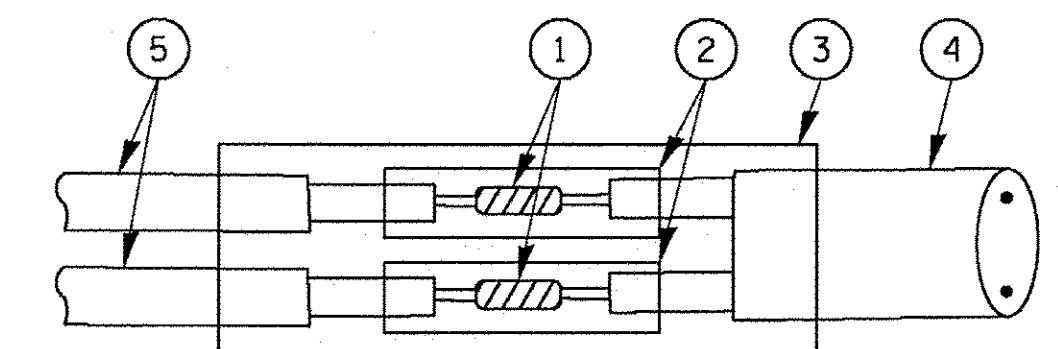


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

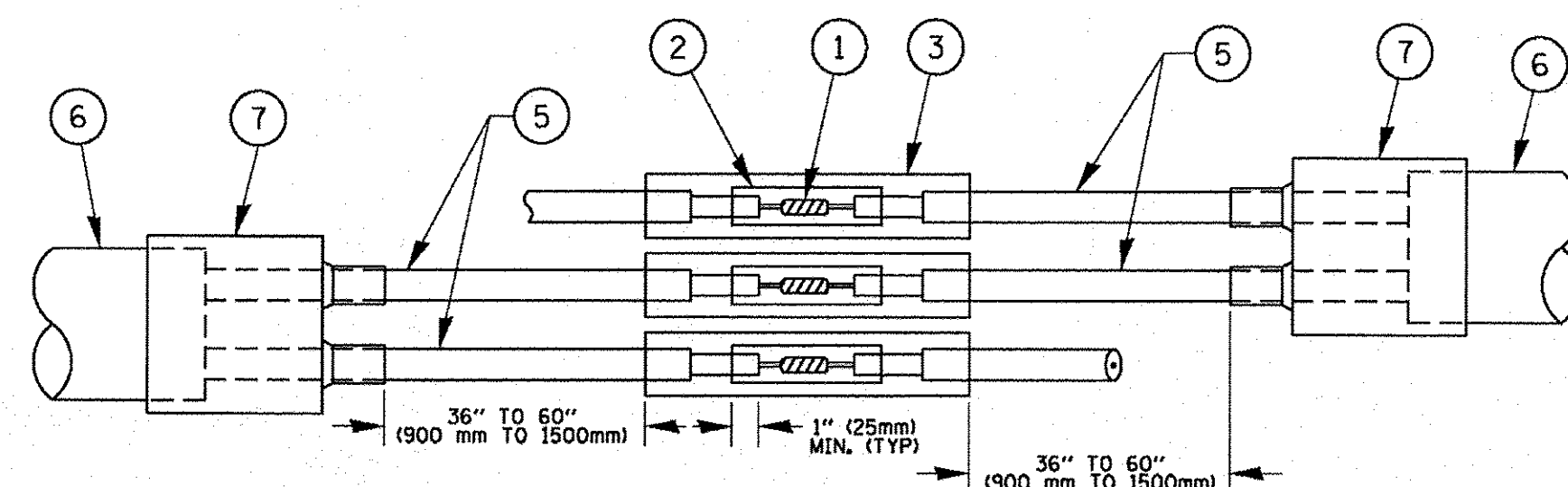


DETAIL "A"
LOOP-TO-LOOP SPLICE

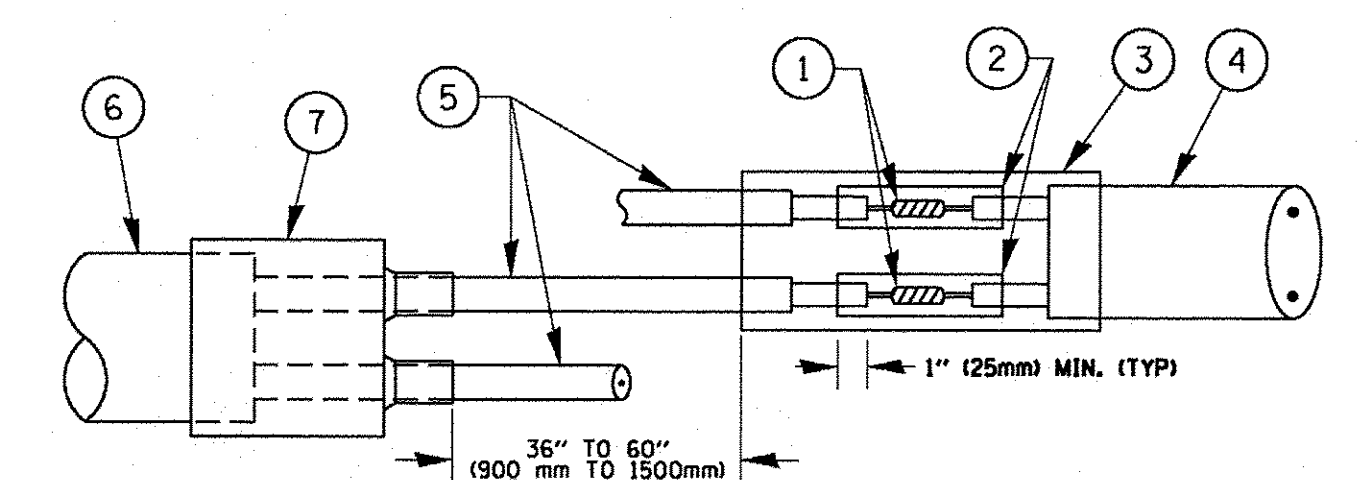


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

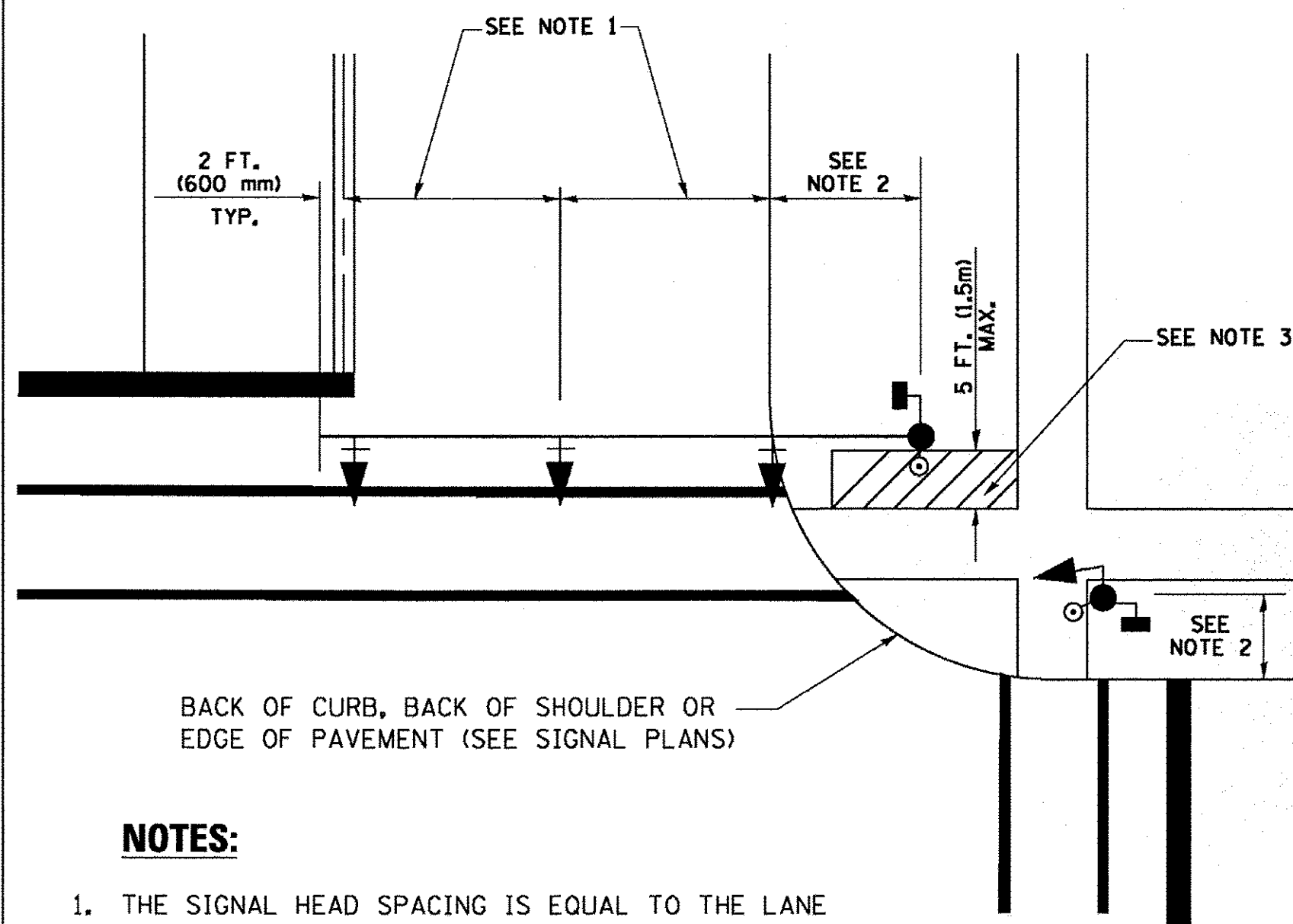
LOOP DETECTOR SPLICE

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- ⑥ PREFORMED LOOP
- ⑦ XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

TS SHT NO.2

FILE NAME =	USER NAME = f00temj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.P. RTE. 326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 48		
ct:\pw_work\pwsdot\fo0temj\0108315\ts05.dgn	PLOT SCALE = 50.0000' / in.	DRAWN - BCK	REVISED -			SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA. TO STA.	TS-05		CONTRACT NO. 61D43	
	PLOT DATE = 1/13/2014	CHECKED - DAD	REVISED -			FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT						
		DATE - 10-28-09	REVISED -									

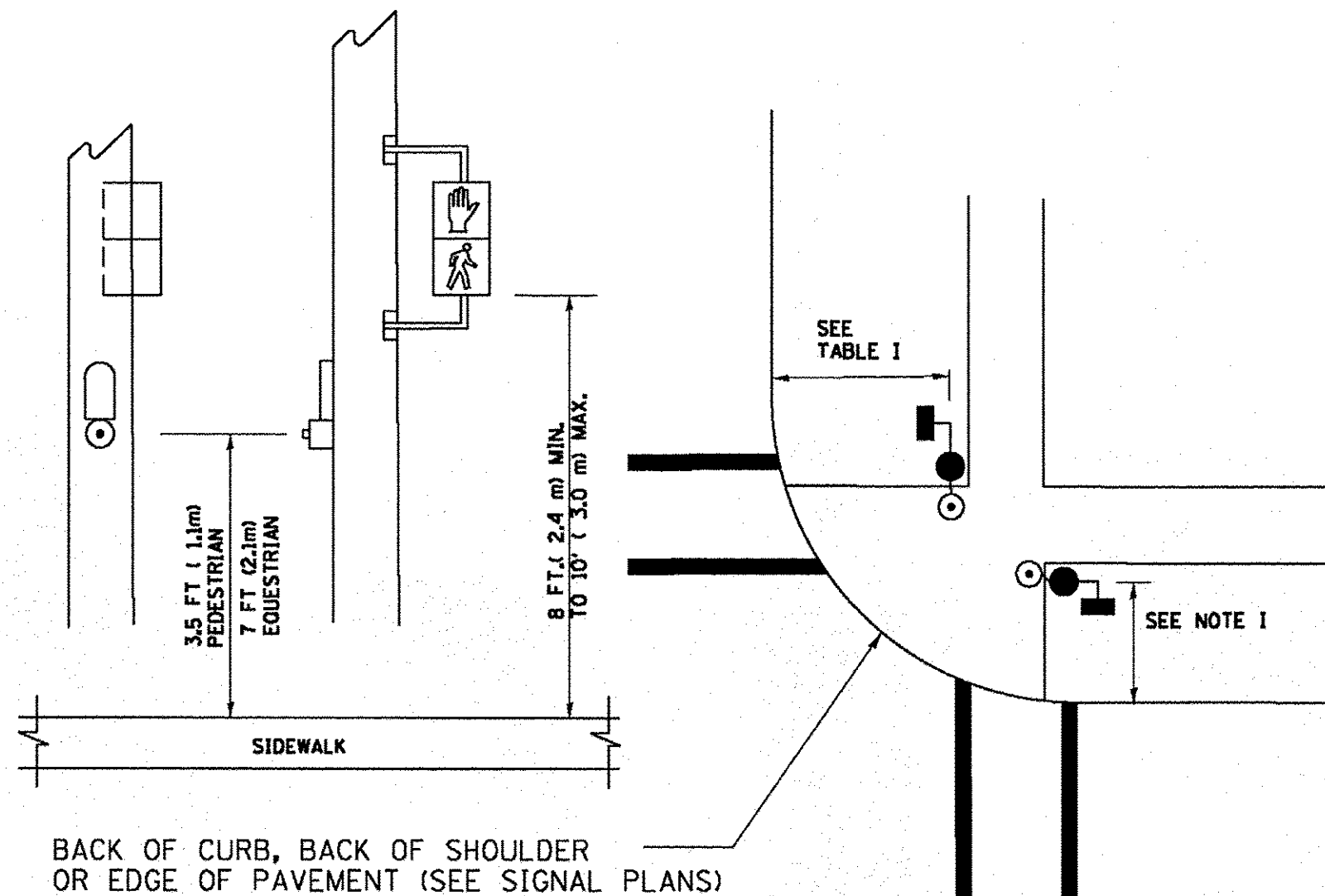
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

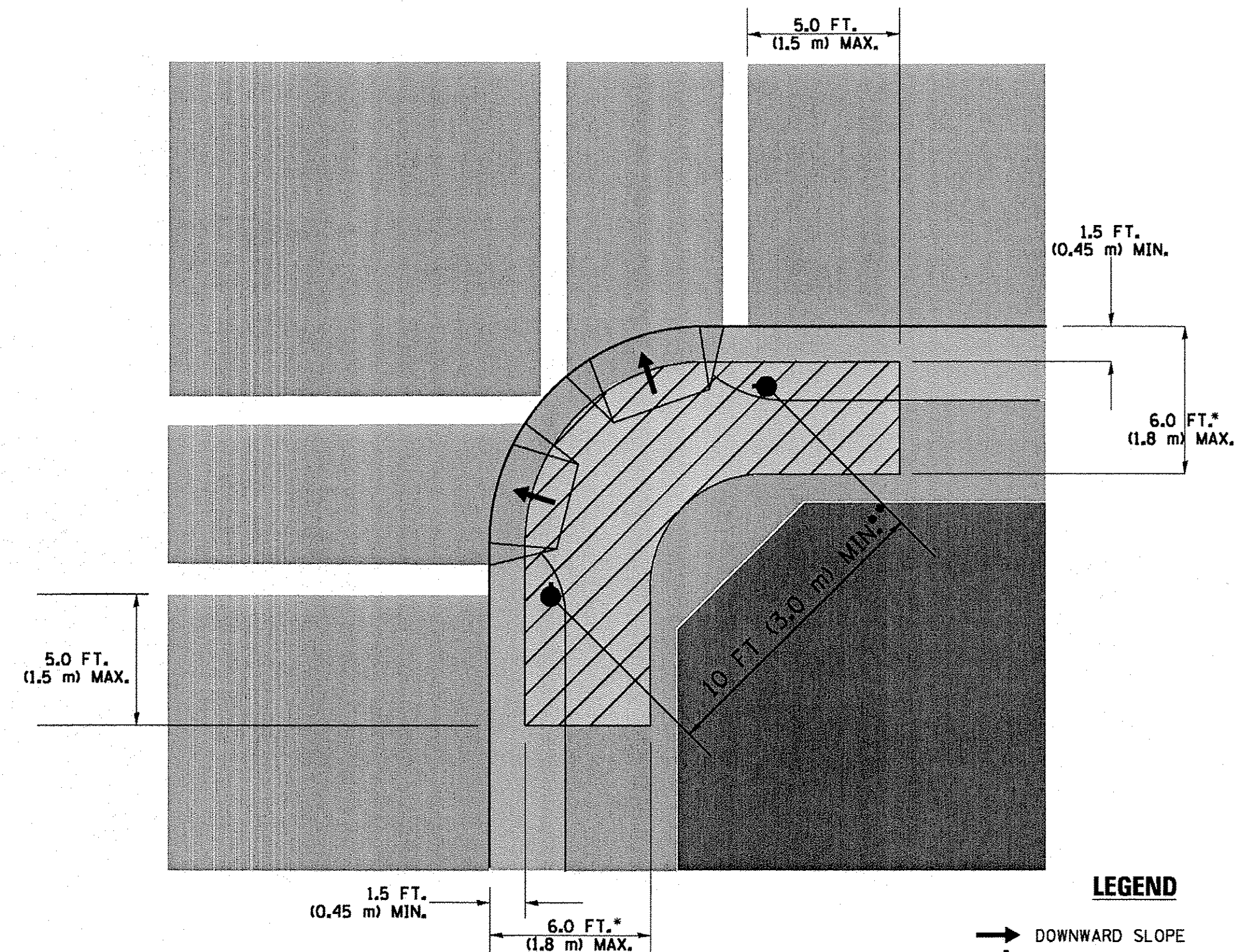
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

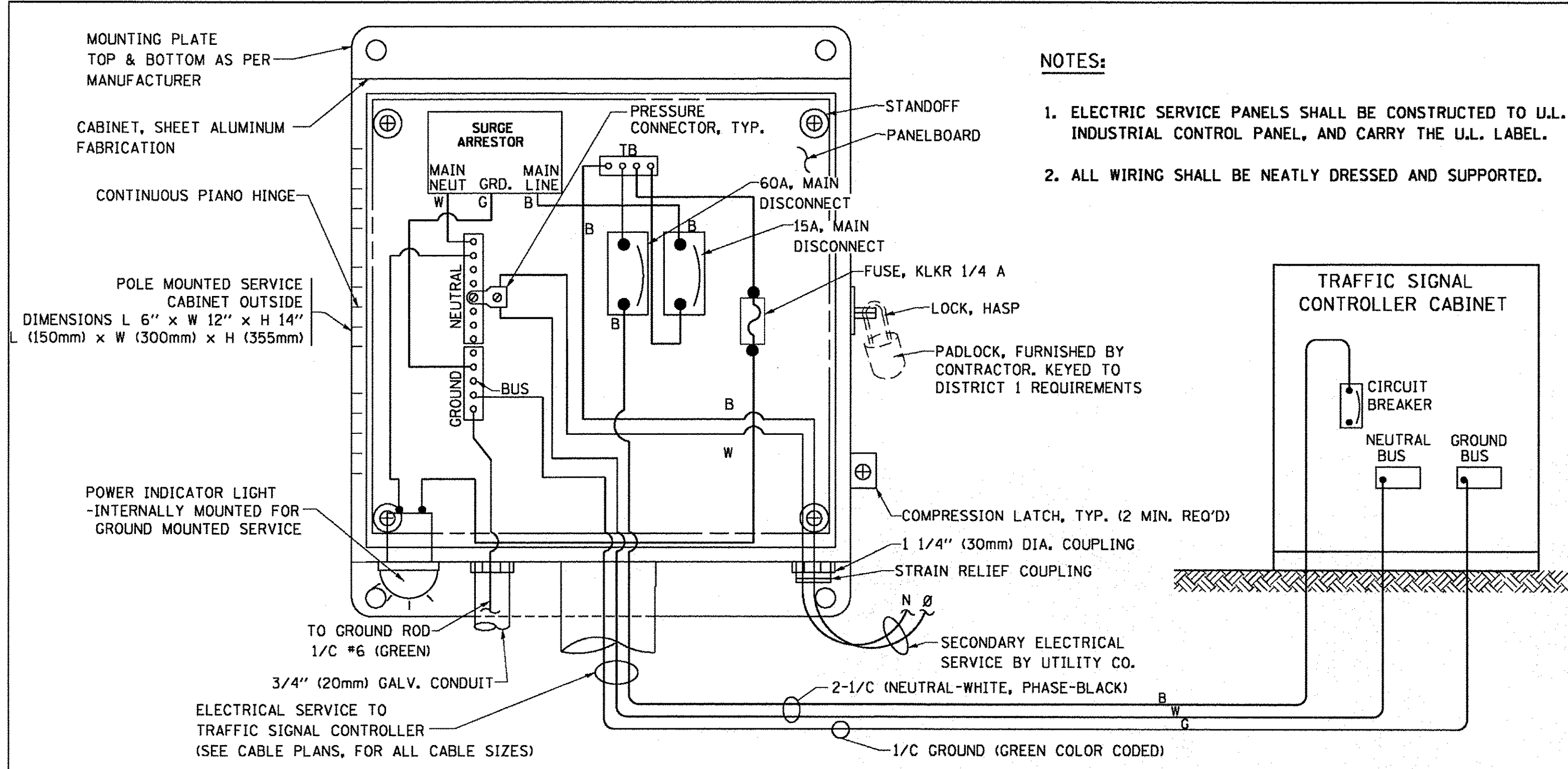
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

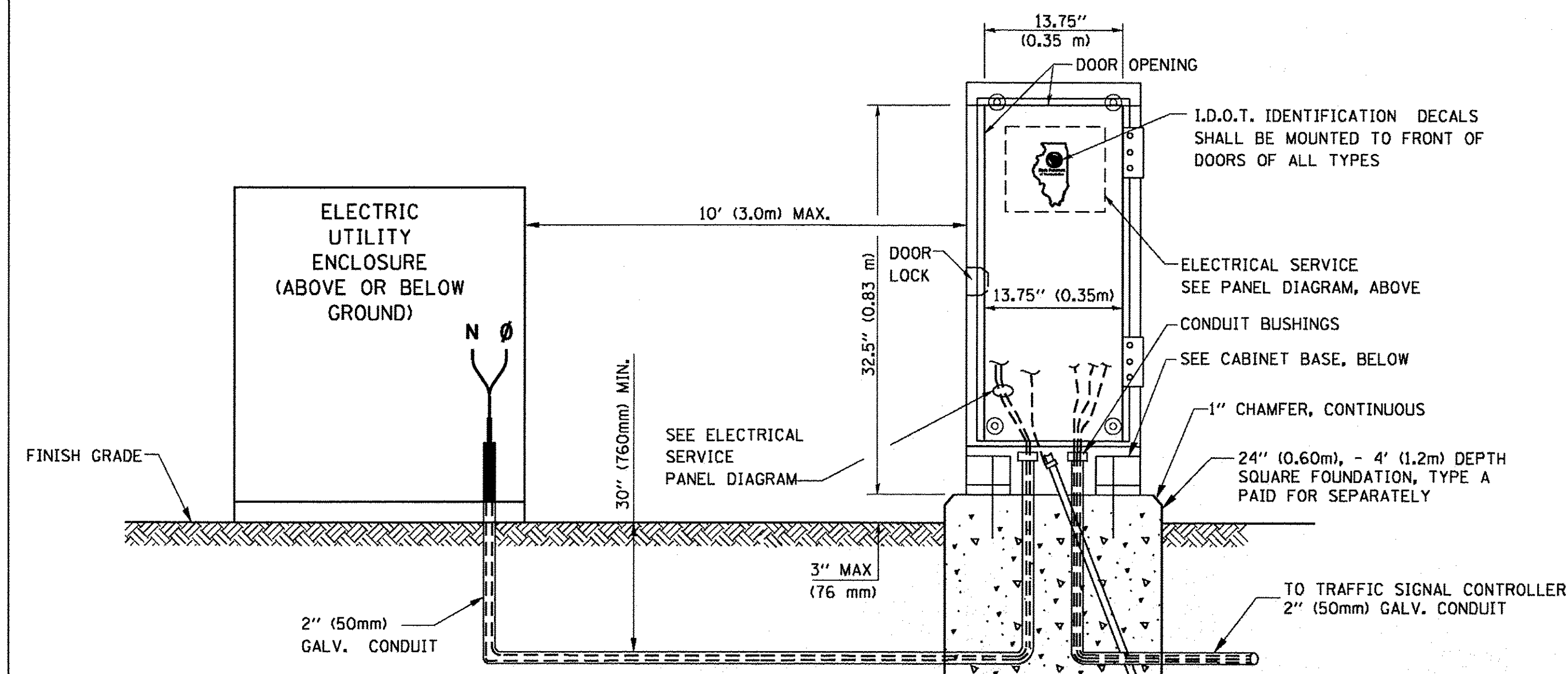
1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

TS SHT NO. 3

FILE NAME =	USER NAME = f00temj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CHECKED - DAD	REVISED -			TS-05		CONTRACT NO. 61D43		
		DATE - 10-28-09	REVISED -			SCALE: NONE	SHEET NO. 3 OF 7 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

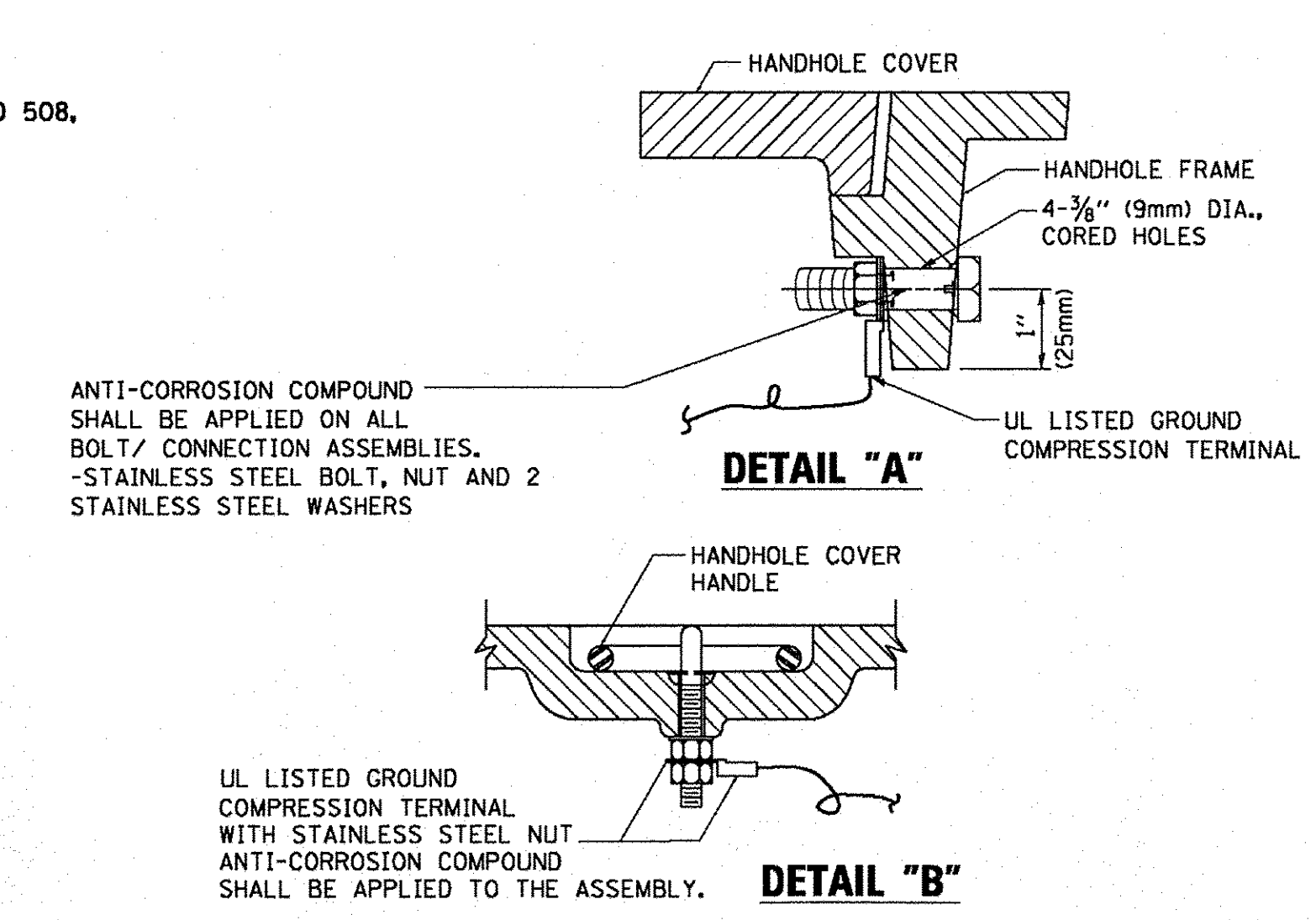
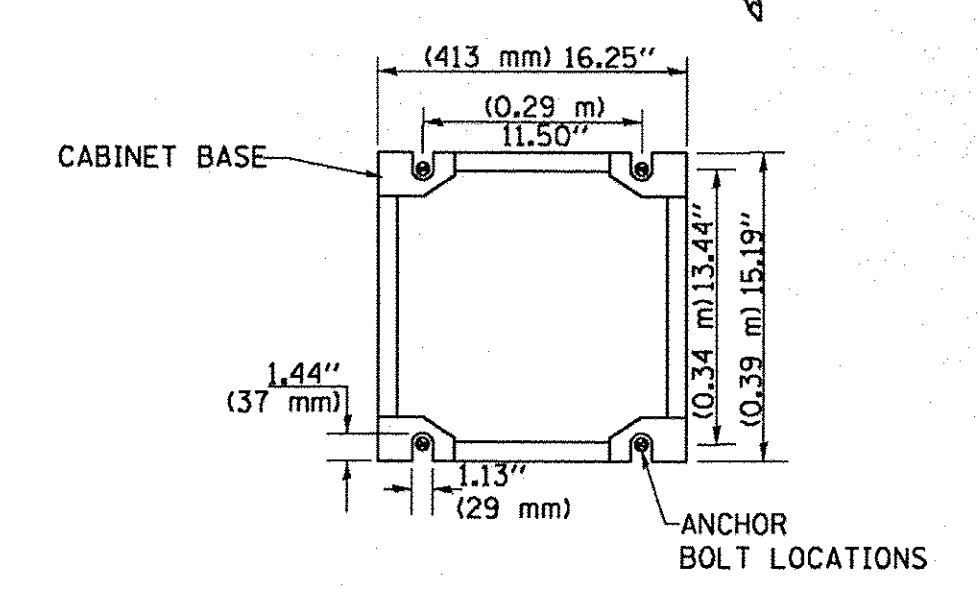


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



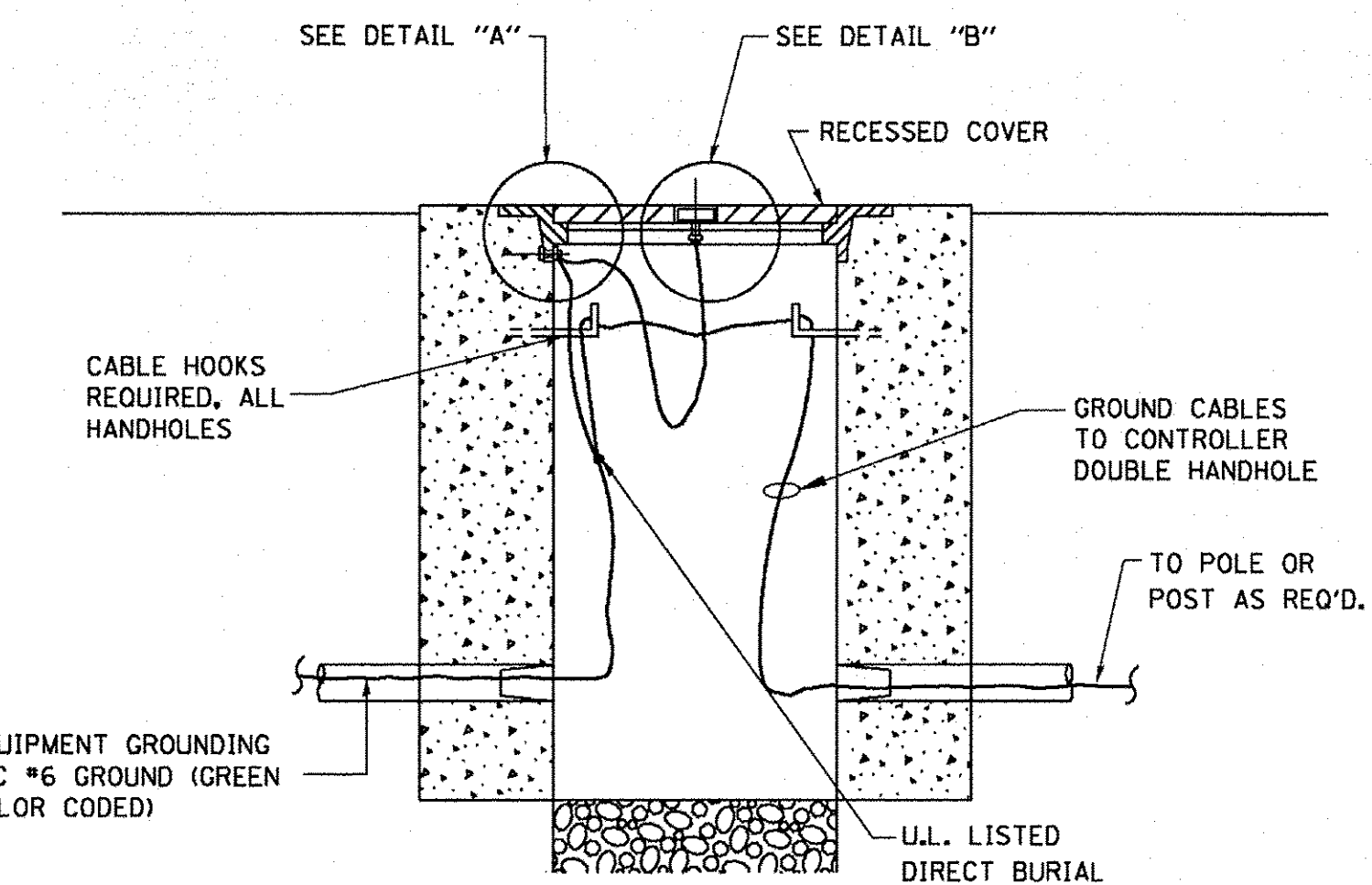
SERVICE INSTALLATION GROUND MOUNT
 (NOT TO SCALE)

CABINET - BASE BOLT PATTERN
 (NOT TO SCALE)

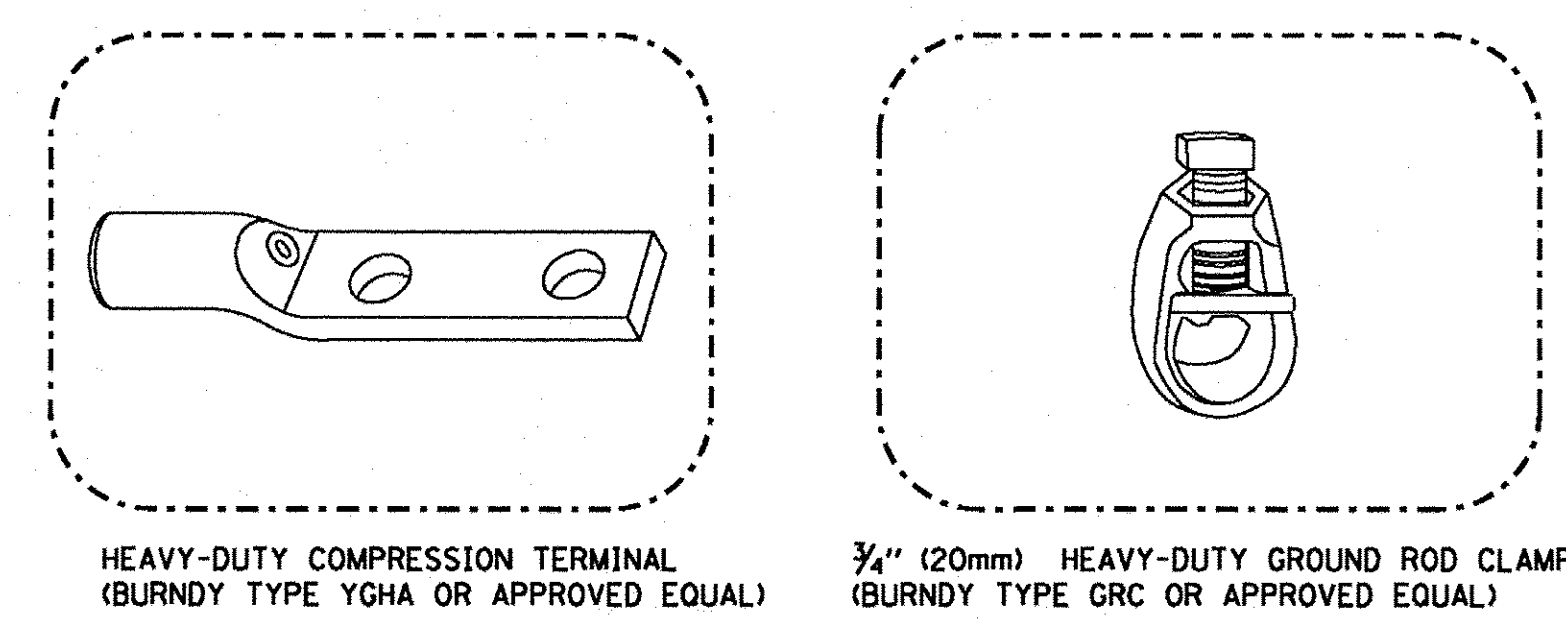


NOTES:
GROUNDING SYSTEM

- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS, THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
- THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

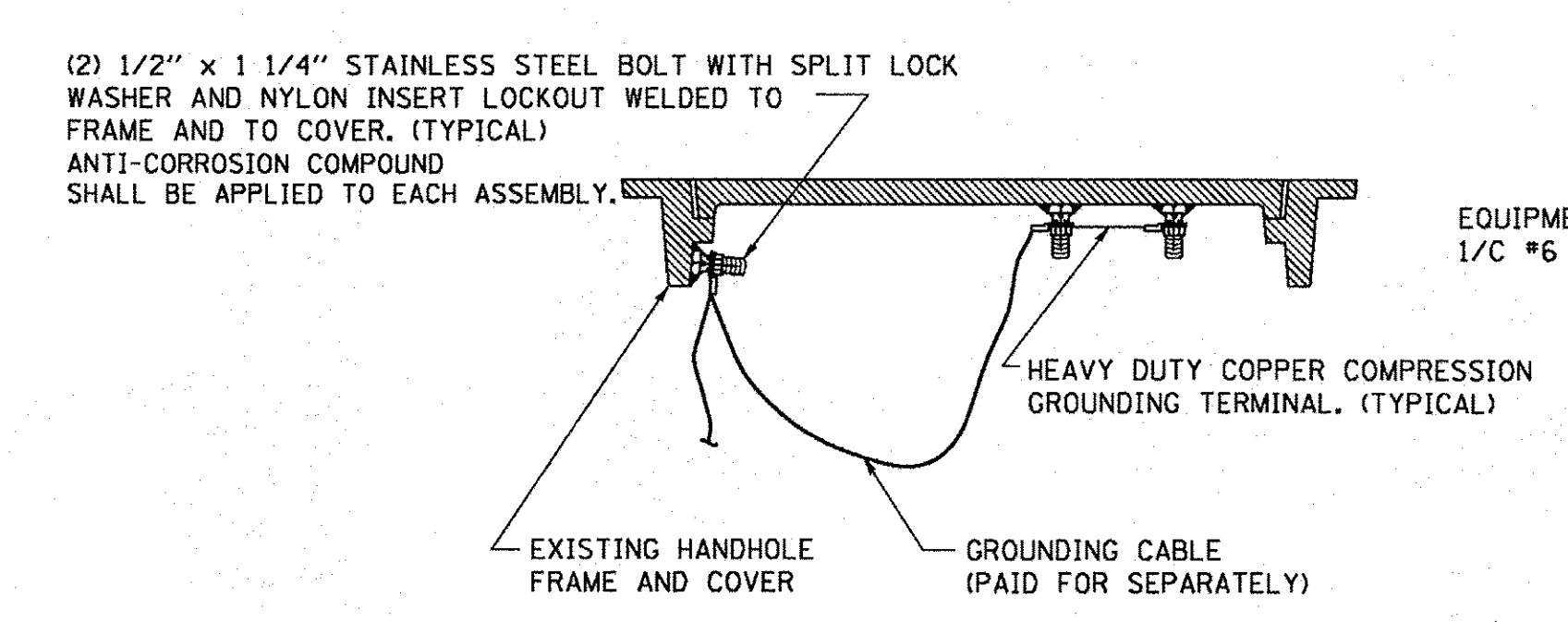


HANDHOLE COVER & FRAME - GROUNDING DETAIL
 (NOT TO SCALE)

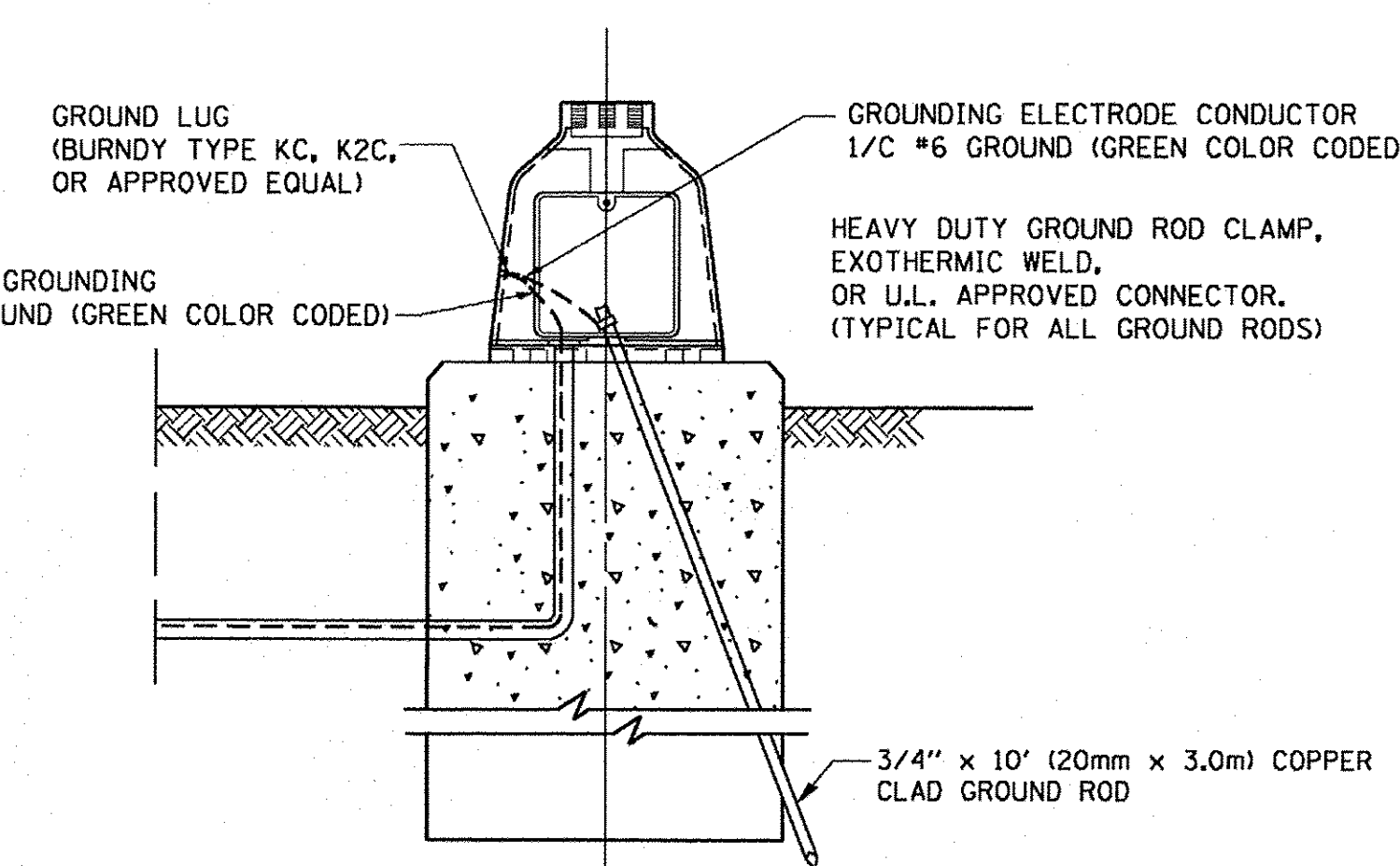


NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



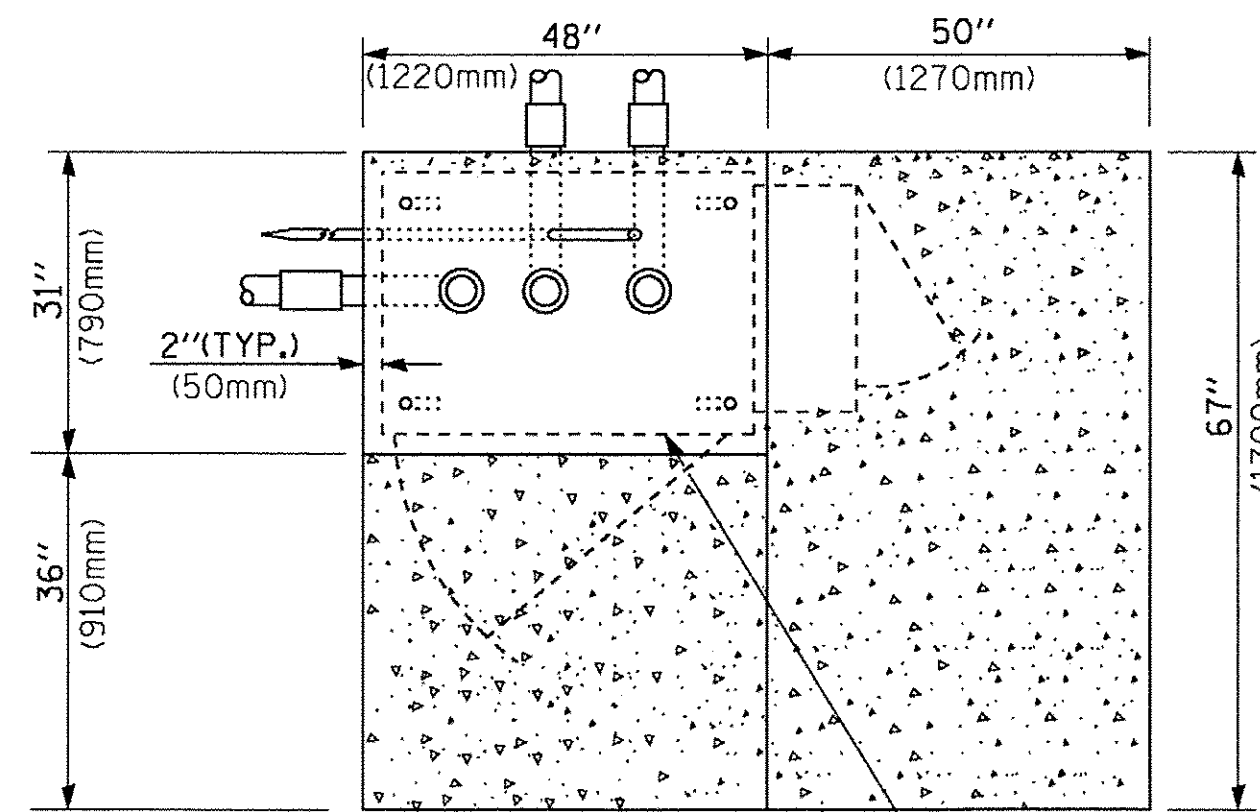
EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL
 (NOT TO SCALE)



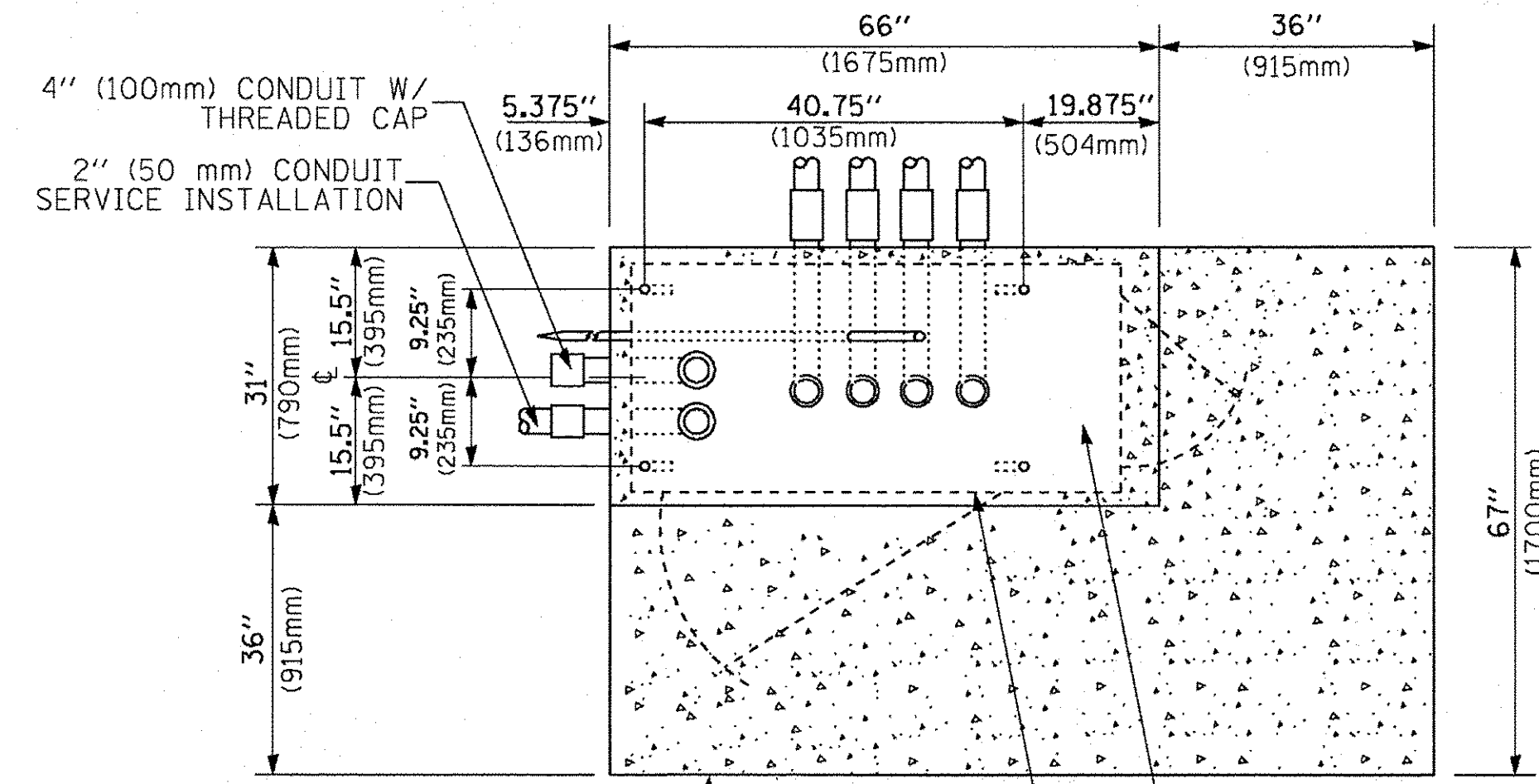
MAST ARM POLE / POST-GROUNDING DETAIL
 (NOT TO SCALE)

TS SHT NO.4

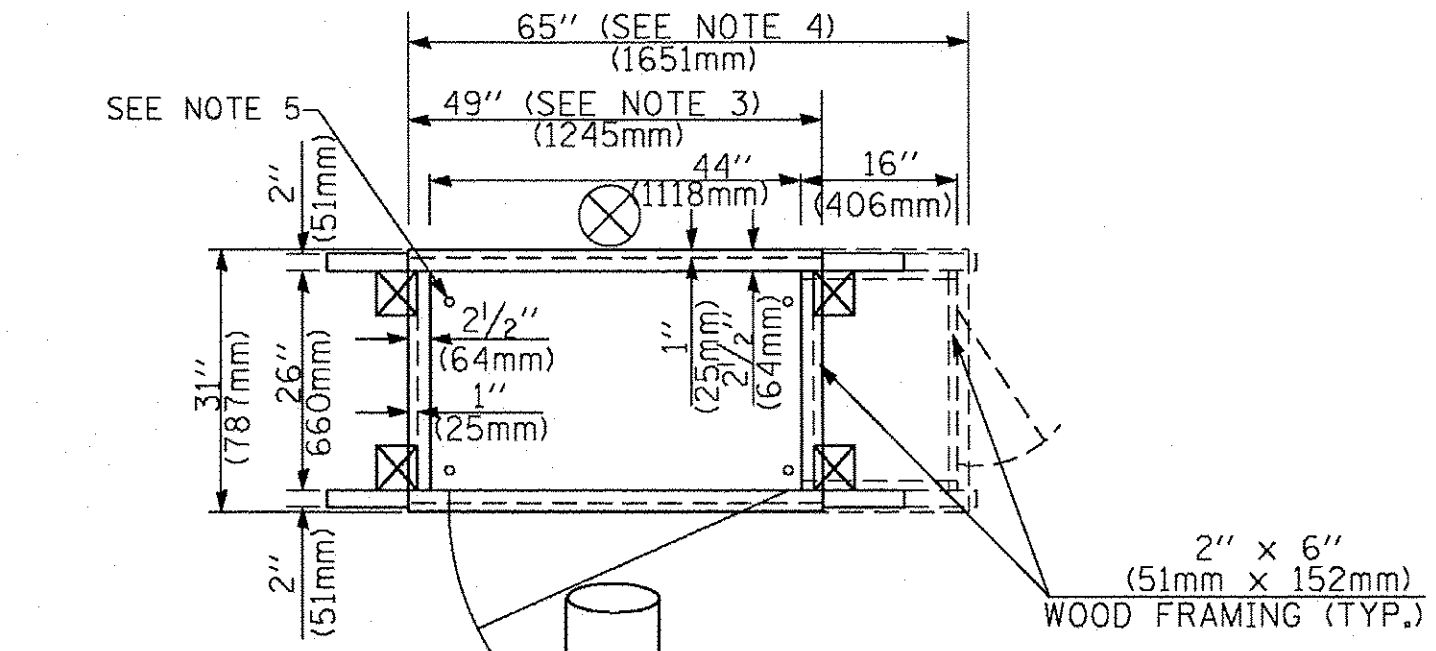
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PLOT SCALE = 50.0000' / 1" =	CHECKED - DAD	REVISOR -	SCALE: NONE			SHEET NO. 4 OF 7 SHEETS	STA. TO STA.	TS-05		CONTRACT NO. 61D43
PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISOR -				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



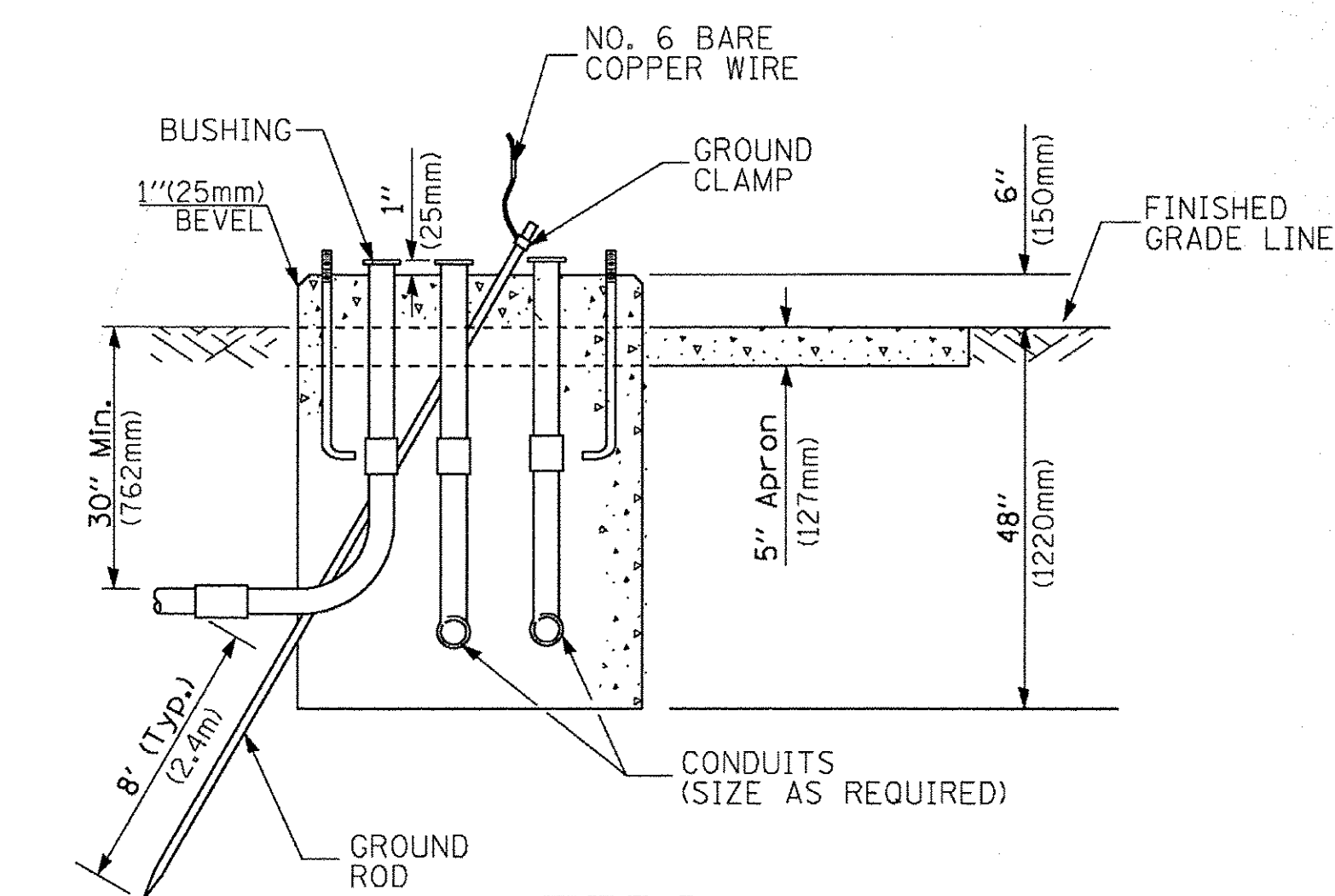
TOP VIEW



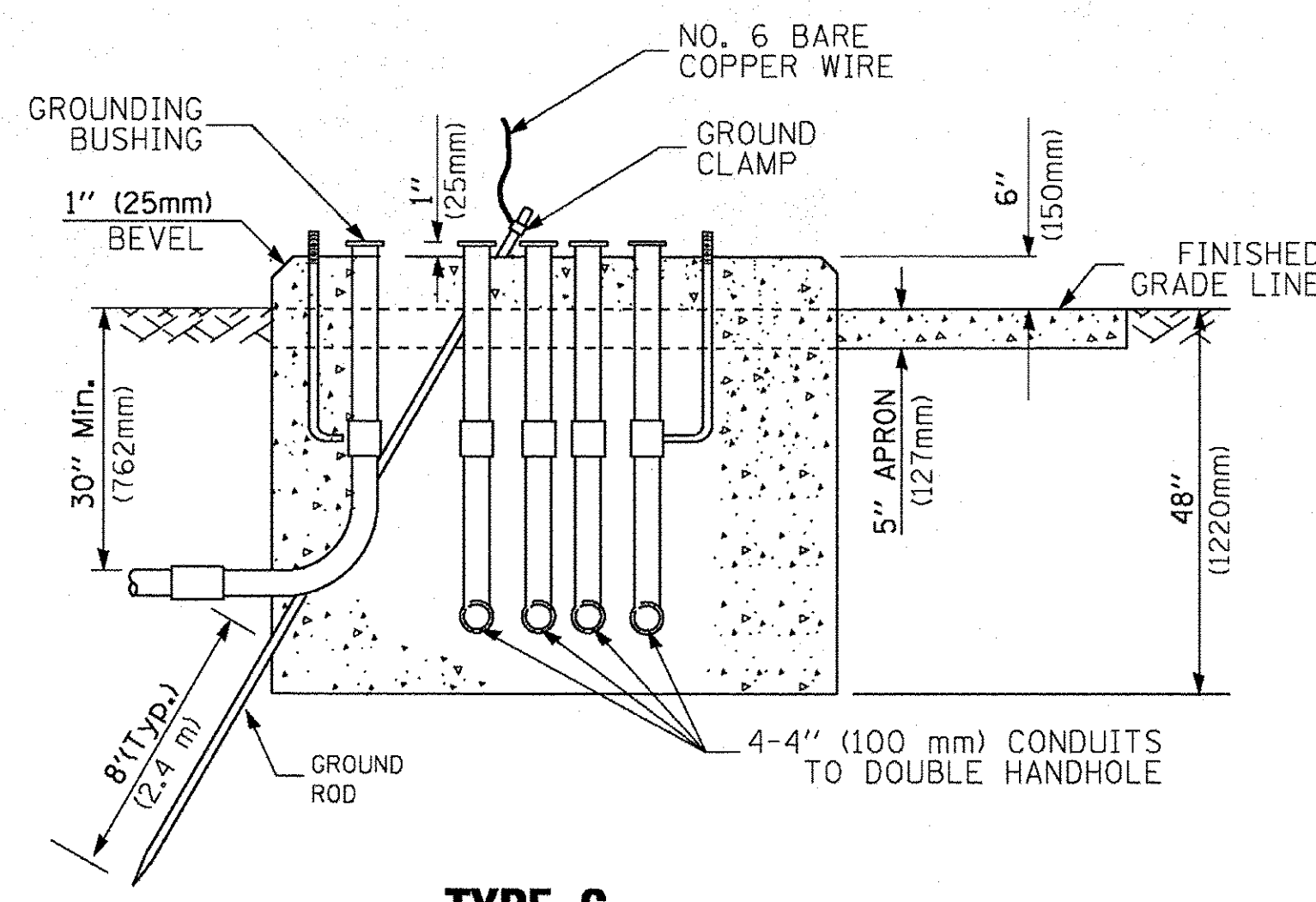
TOP VIEW



TEMPORARY SIGNAL CONTROLLER WOOD SUPPORT PLATFORM



TYPE D FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET



TYPE C FOR GROUND MOUNTED SUPER P (TYPE IV) AND SUPER R (TYPE V) CONTROLLER CABINETS

- NOTES:**
- BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
 - BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
 - PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
 - PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
 - DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
 - FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD)		
(L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

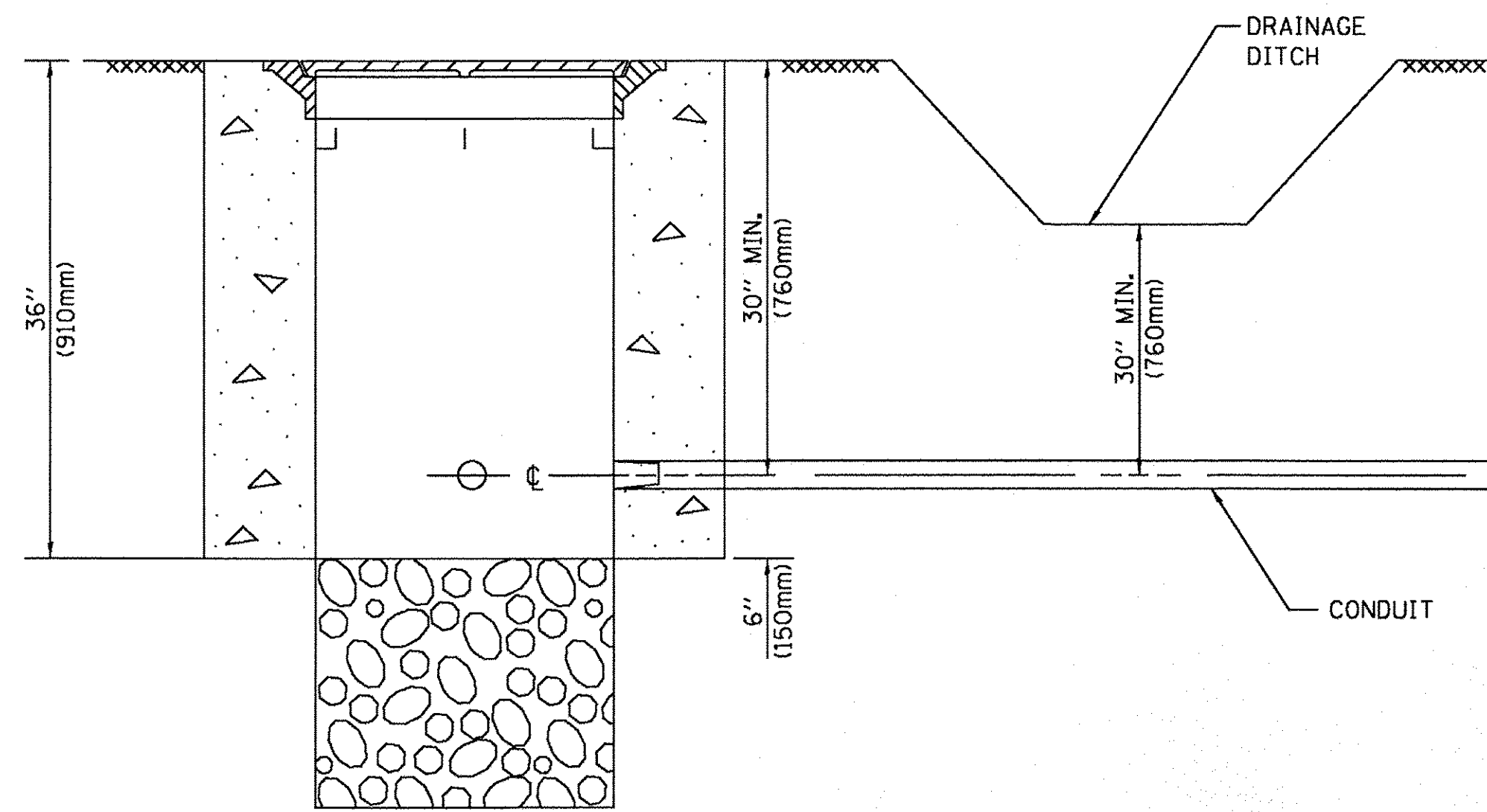
DEPTH OF FOUNDATION

MAST ARM LENGTH	FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

- NOTES:**
- These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
 - Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
 - Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
 - For mast arm assemblies with dual arms refer to state standard 878001.

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

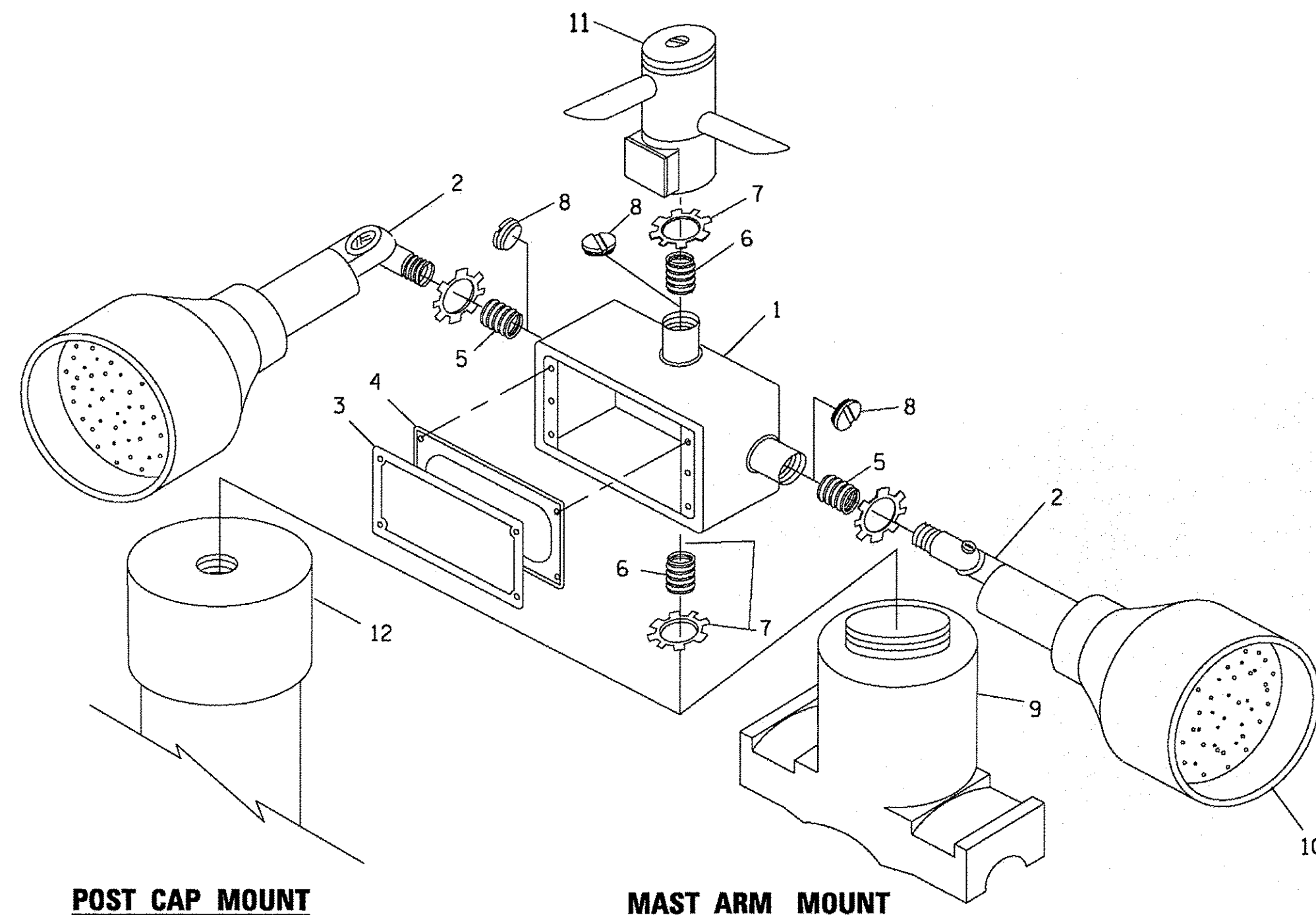
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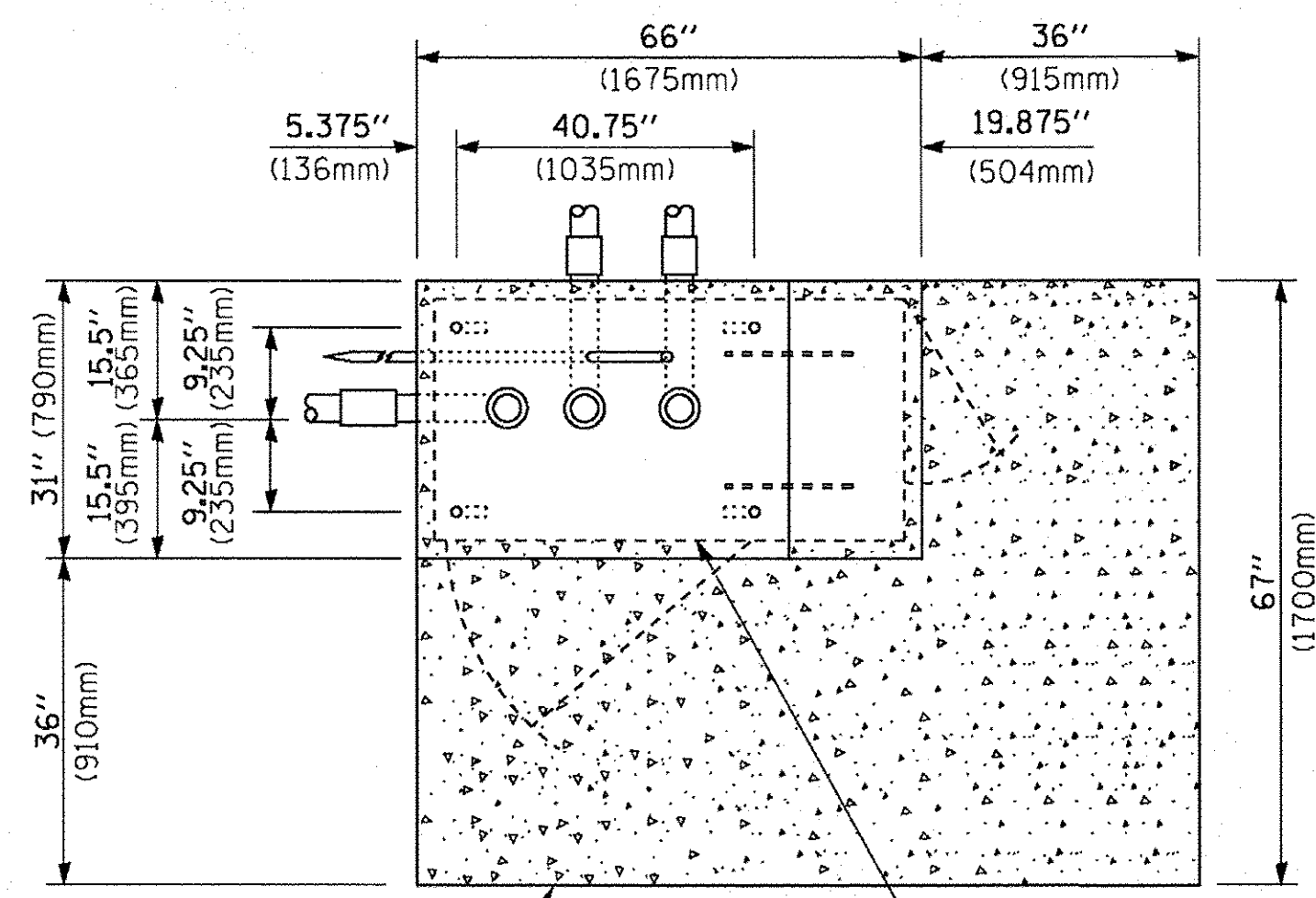
NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

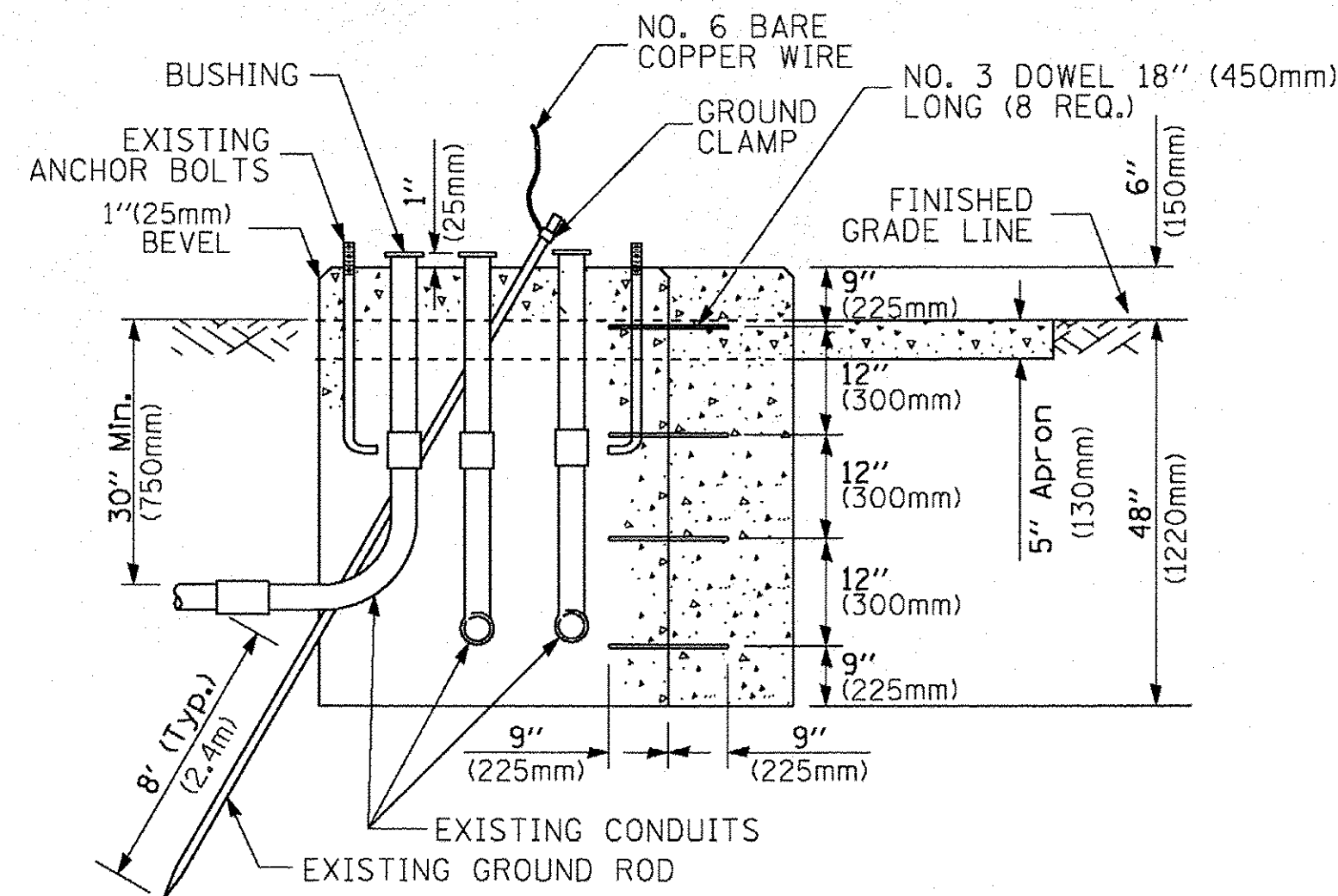
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)

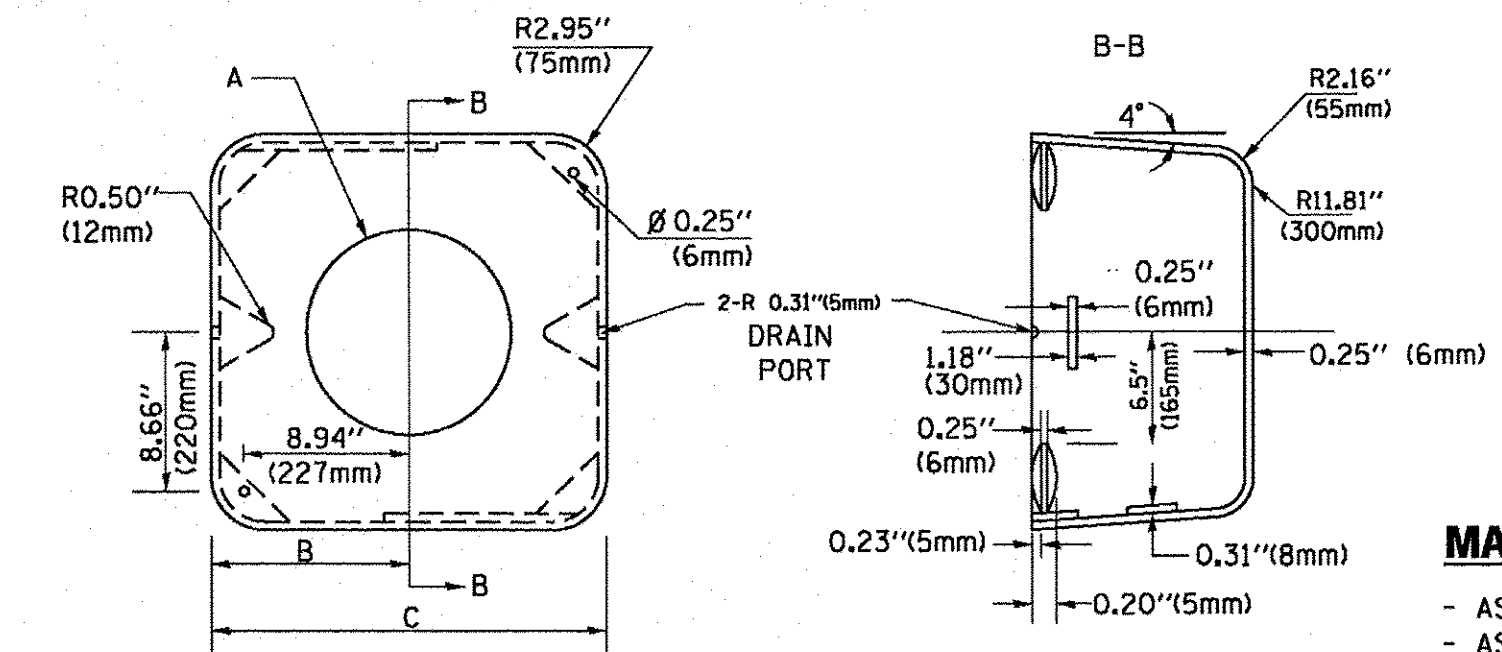


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX - GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



MATERIAL:
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5" (241mm)	19" (483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75" (273mm)	21.5" (546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0" (330mm)	26" (660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5" (470mm)	37" (940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

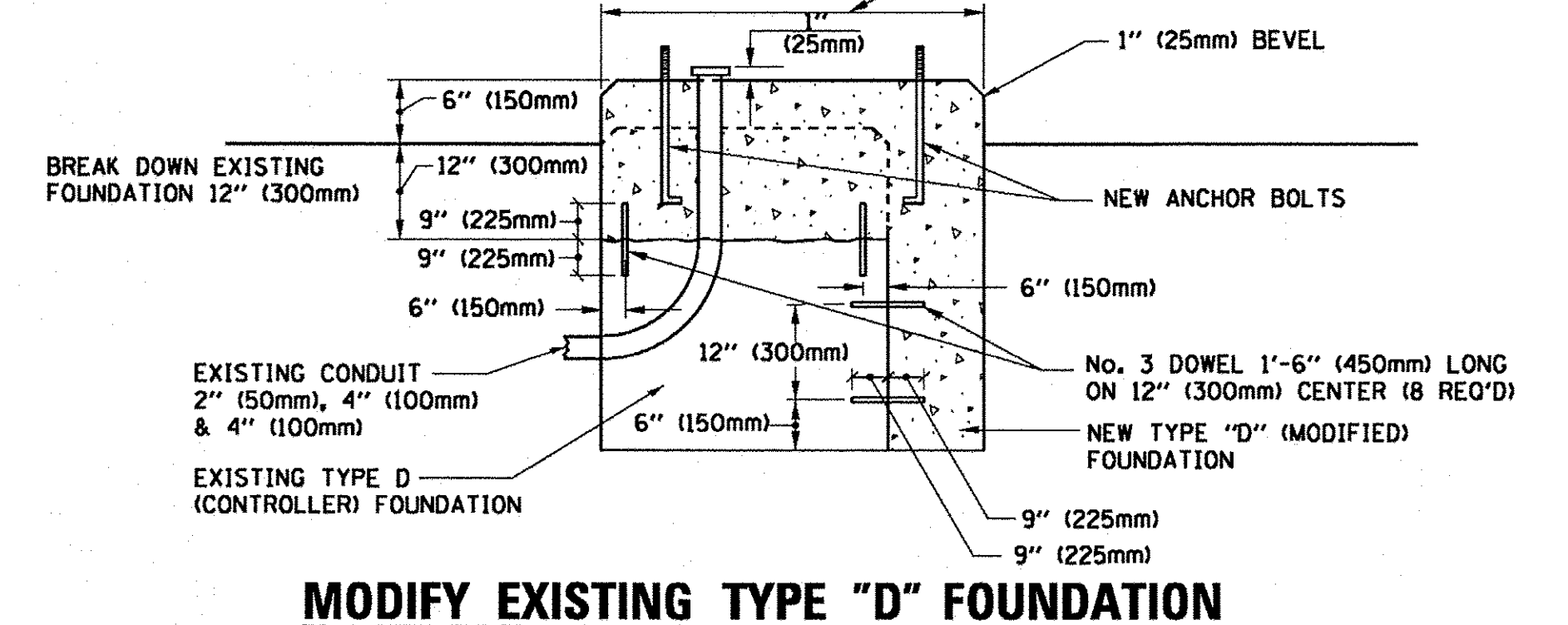
SHROUD

NOTES:

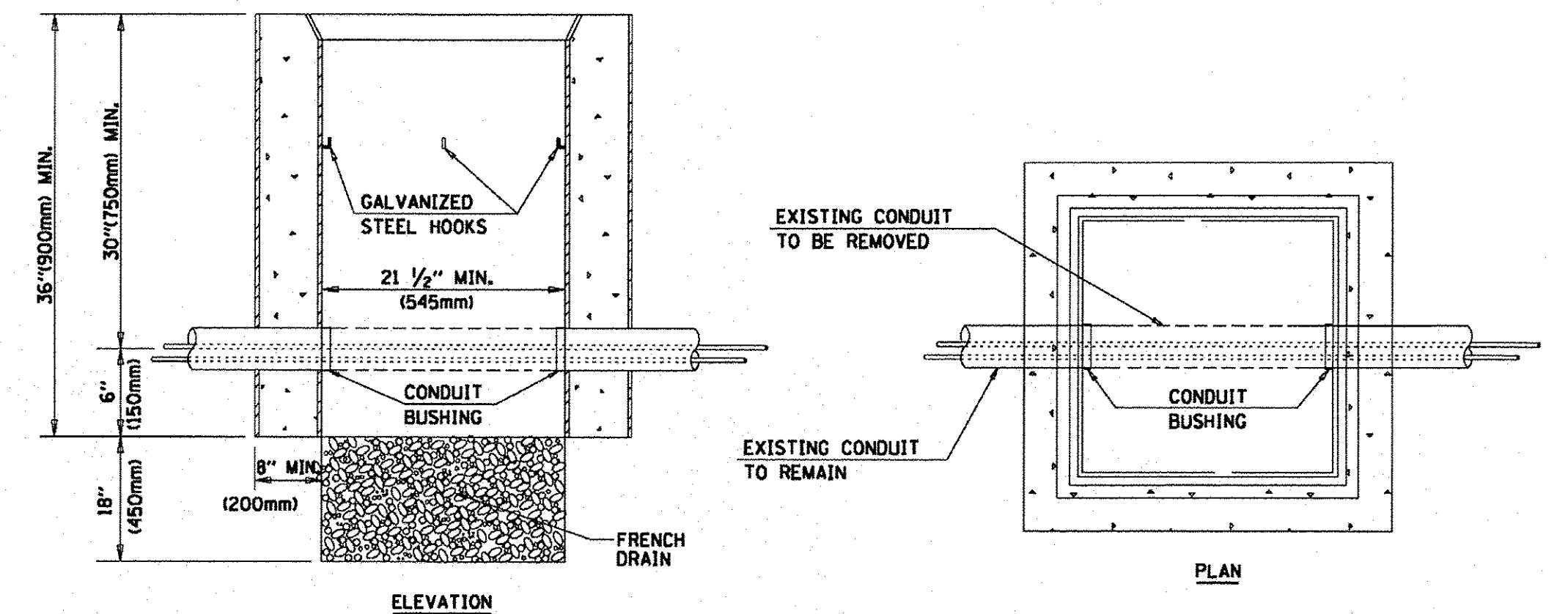
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

TS SHT NO. 6

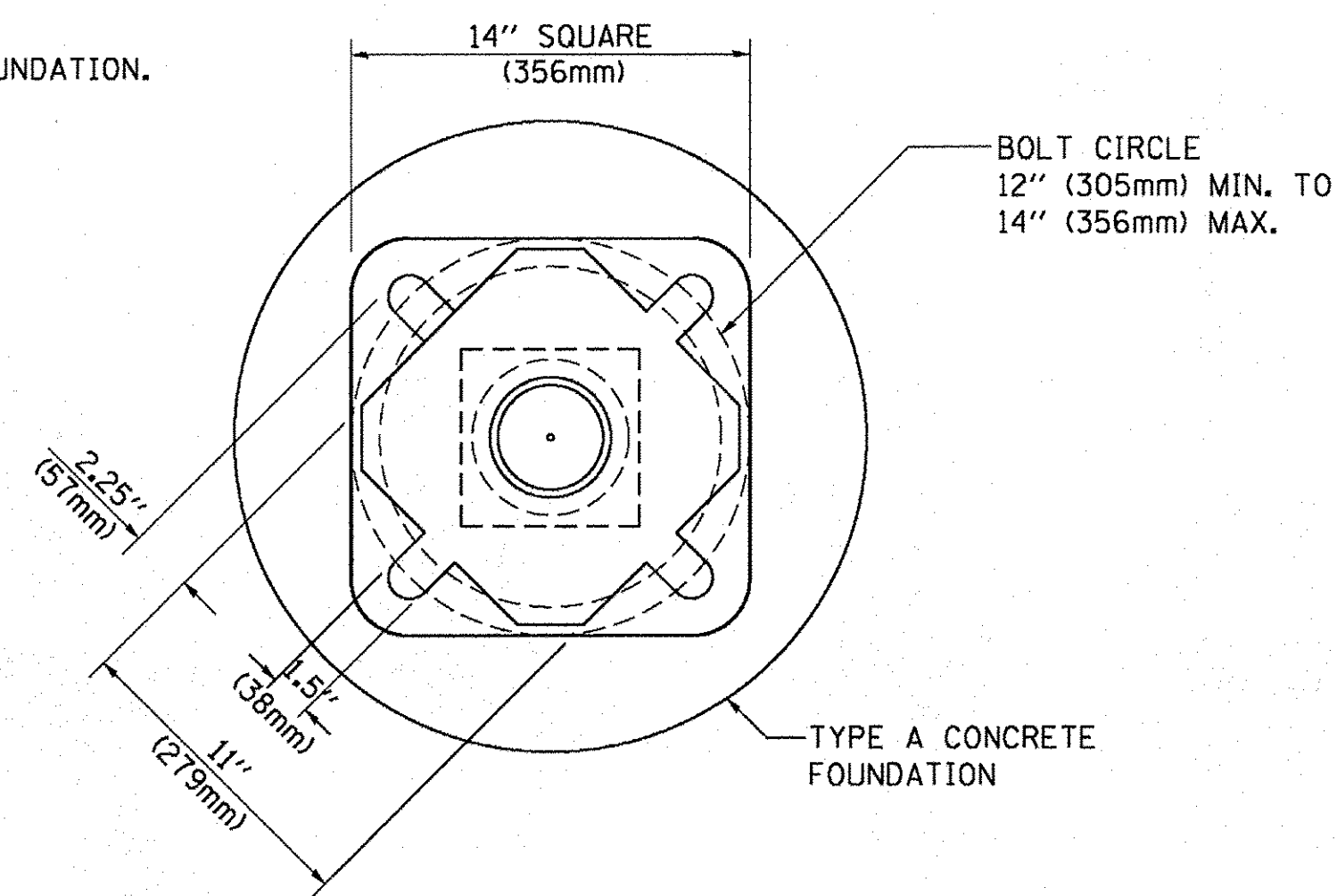
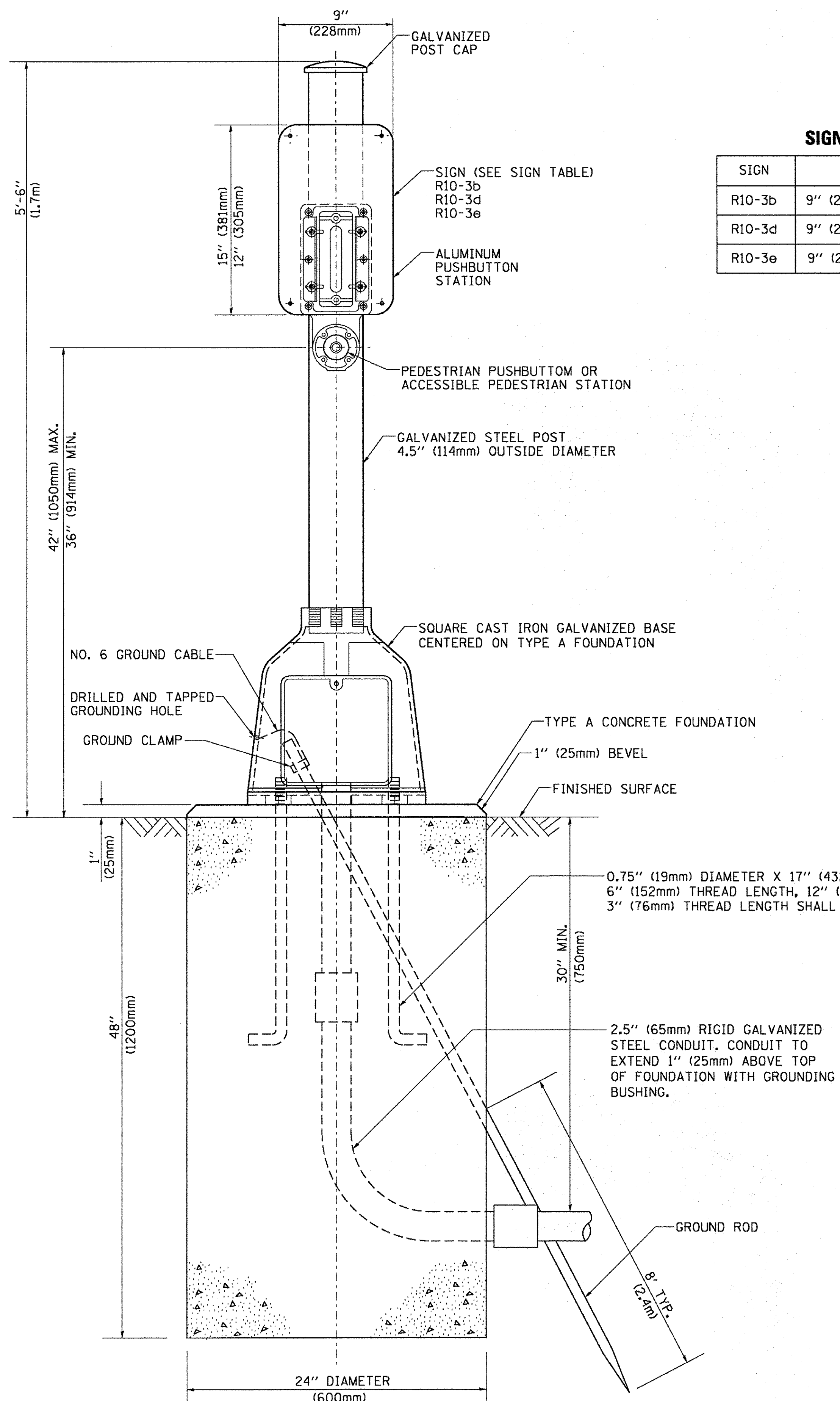
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	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STANDARD TRAFFIC SIGNAL DESIGN DETAILS		326	14-00041-00-BT	KANE	106	52
SCALE: NONE		TS-05		CONTRACT NO. 61043		
SHEET NO. 6 OF 7 SHEETS		STA. TO STA.		FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT		

SIGN TABLE

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

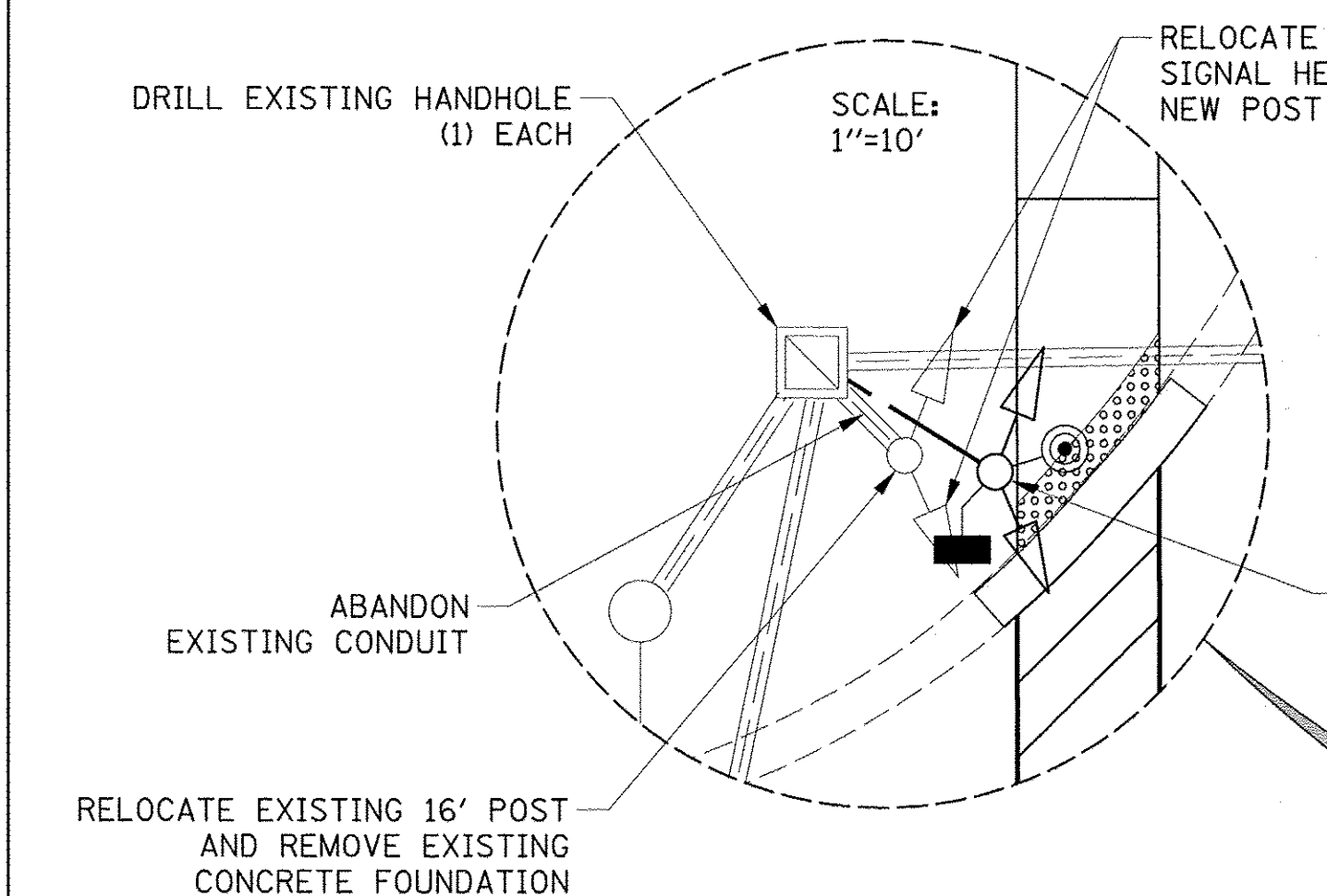
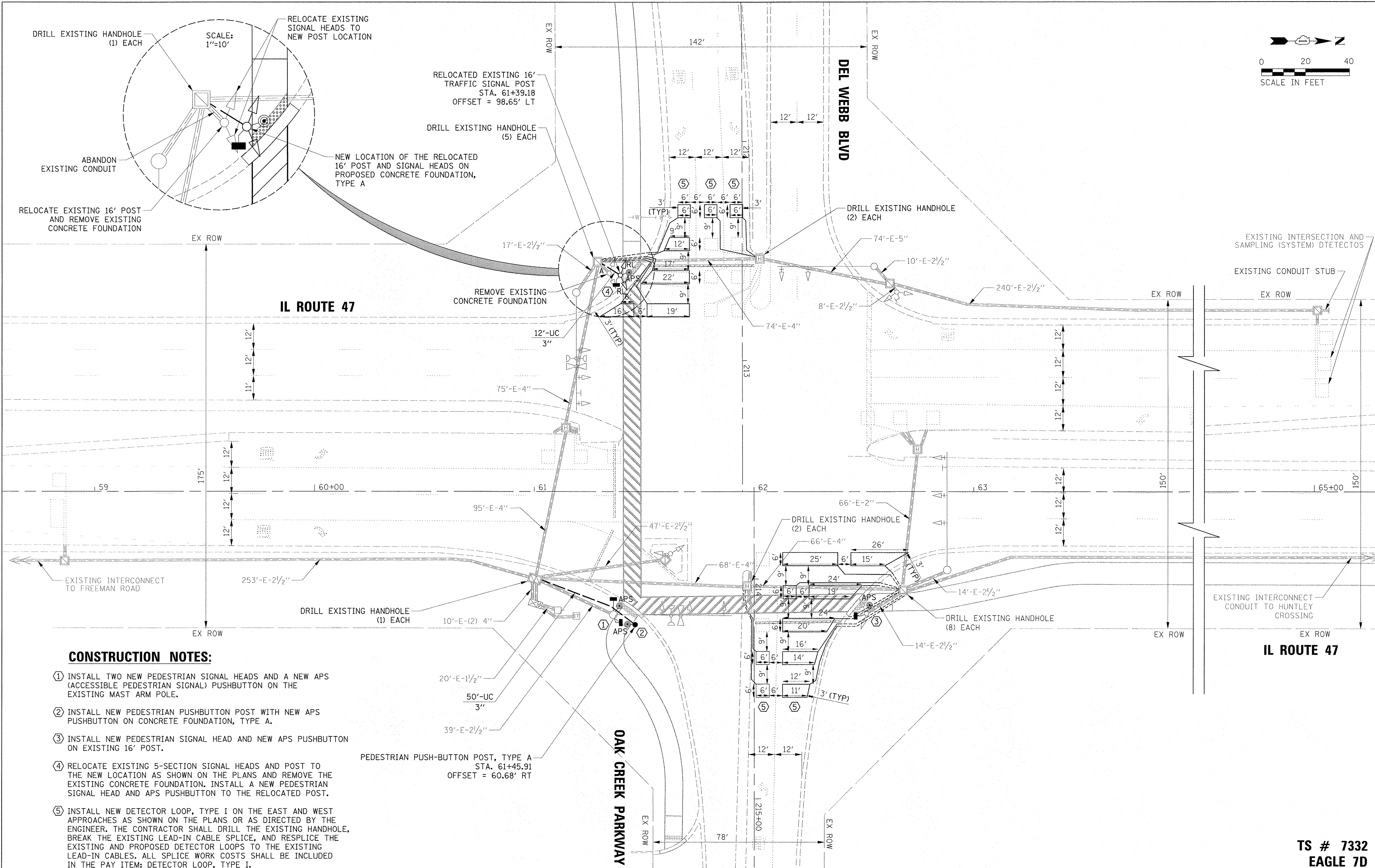
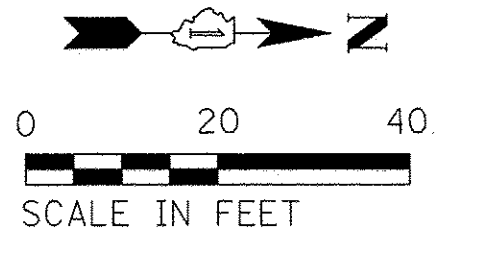
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	PLOT DATE = 1/13/2014	DATE - 10/1/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET NO. 7 OF 7 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	14-00041-00-BT	KANE	106	53
TS-05			CONTRACT NO. 61D43	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



IL ROUTE 47

DEL WEBB BLVD

OAK CREEK PARKWAY

IL ROUTE 47

CONSTRUCTION NOTES:

- ① INSTALL TWO NEW PEDESTRIAN SIGNAL HEADS AND A NEW APS (ACCESSIBLE PEDESTRIAN SIGNAL) PUSHBUTTON ON THE EXISTING MAST ARM POLE.
- ② INSTALL NEW PEDESTRIAN PUSHBUTTON POST WITH NEW APS PUSHBUTTON ON CONCRETE FOUNDATION, TYPE A.
- ③ INSTALL NEW PEDESTRIAN SIGNAL HEAD AND NEW APS PUSHBUTTON ON EXISTING 16' POST.
- ④ RELOCATE EXISTING 5-SECTION SIGNAL HEADS AND POST TO THE NEW LOCATION AS SHOWN ON THE PLANS AND REMOVE THE EXISTING CONCRETE FOUNDATION. INSTALL A NEW PEDESTRIAN SIGNAL HEAD AND APS PUSHBUTTON TO THE RELOCATED POST.
- ⑤ INSTALL NEW DETECTOR LOOP, TYPE I ON THE EAST AND WEST APPROACHES AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL DRILL THE EXISTING HANDHOLE, BREAK THE EXISTING LEAD-IN CABLE SPLICE, AND RESPLICE THE EXISTING AND PROPOSED DETECTOR LOOPS TO THE EXISTING LEAD-IN CABLES. ALL SPLICE WORK COSTS SHALL BE INCLUDED IN THE PAY ITEM: DETECTOR LOOP, TYPE I.

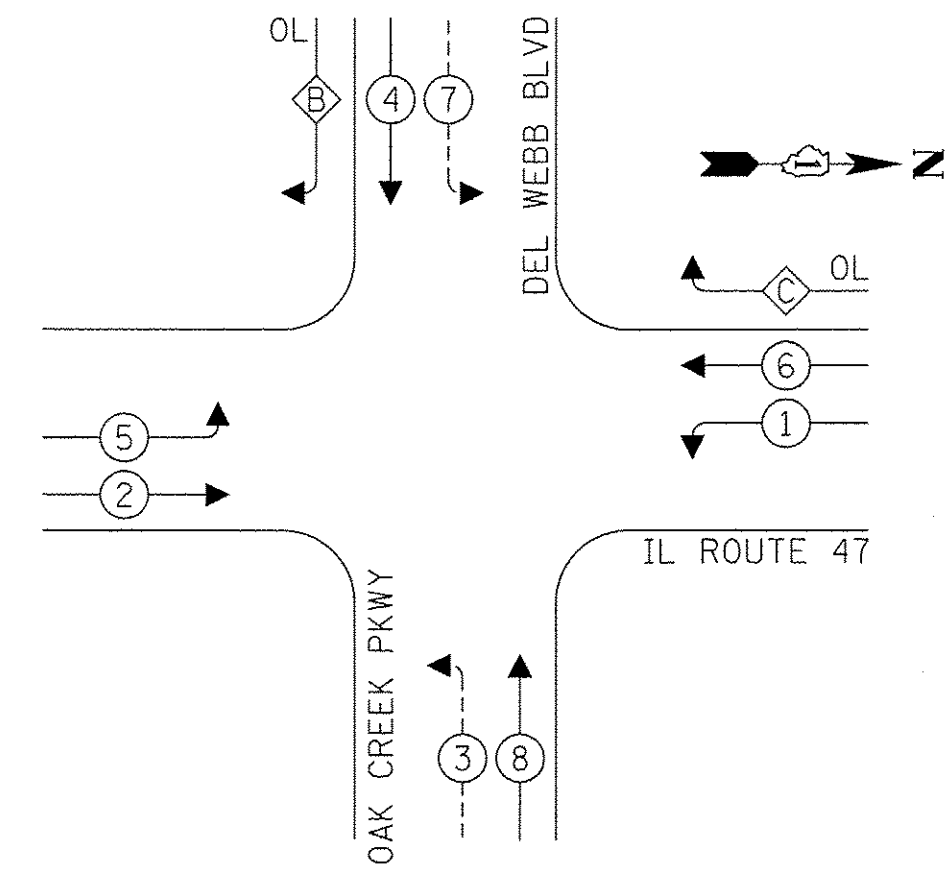
PEDESTRIAN PUSH-BUTTON POST, TYPE A
 STA. 61+45.91
 OFFSET = 60.68' RT

TS SHT NO. 8

**TS # 7332
 EAGLE 7D**

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default	47_Del Webb.MDD.dgn	DRAWN - FB / LJ	REVISED -			SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 61D43		ILLINOIS FED. AID PROJECT
	PLOT SCALE = 20'	CHECKED - GMZ	REVISED -								
	PLOT DATE = 11/2/2016	DATE -	REVISED -								

EXISTING CONTROLLER SEQUENCE

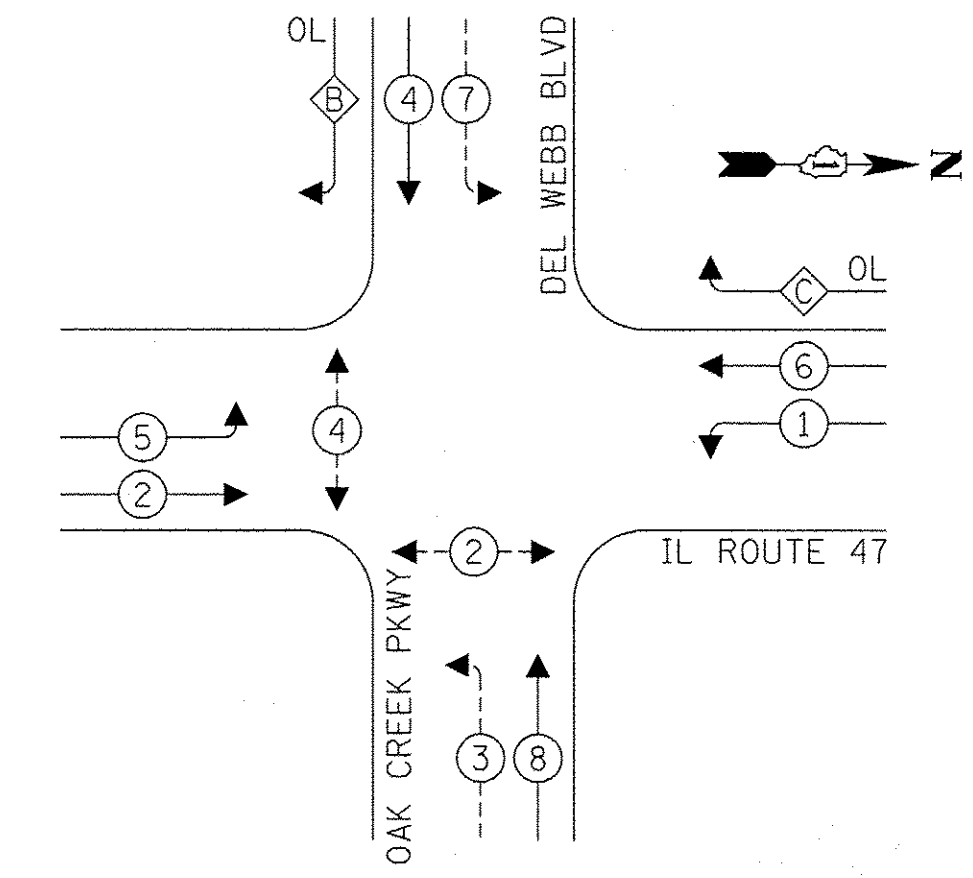


RIGHT TURN OVERLAP

PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5
C	= 6	+ 7

PROPOSED CONTROLLER SEQUENCE

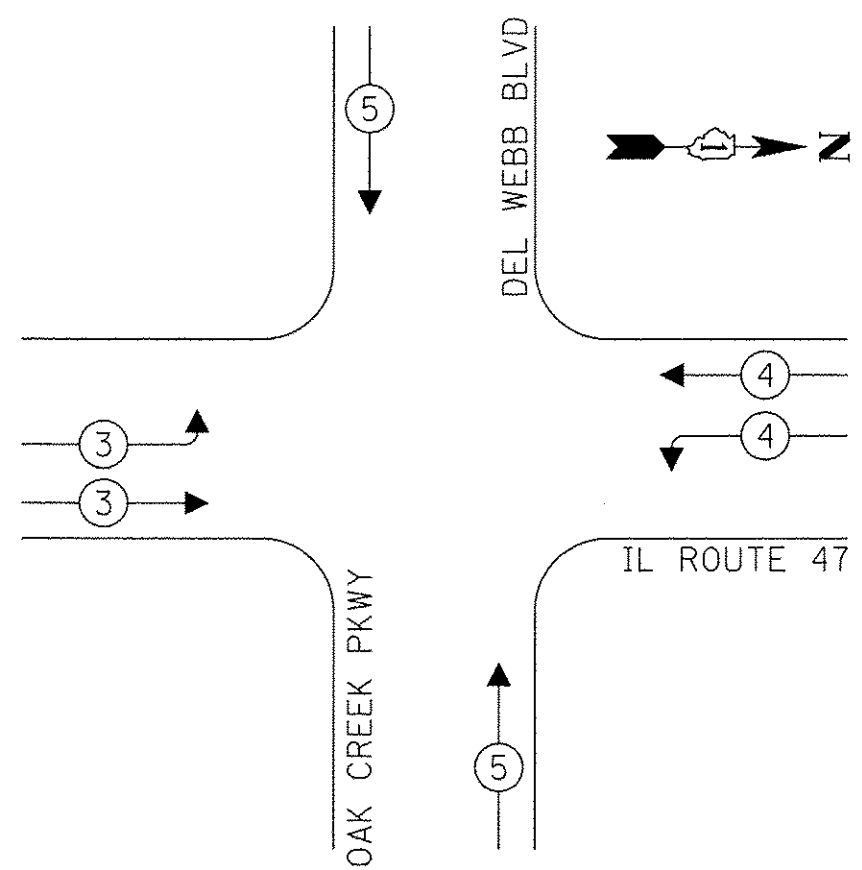


RIGHT TURN OVERLAP

PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5
C	= 6	+ 7

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
-	-	-	-	-
ENERGY COSTS TO:				TOTAL = 435.2

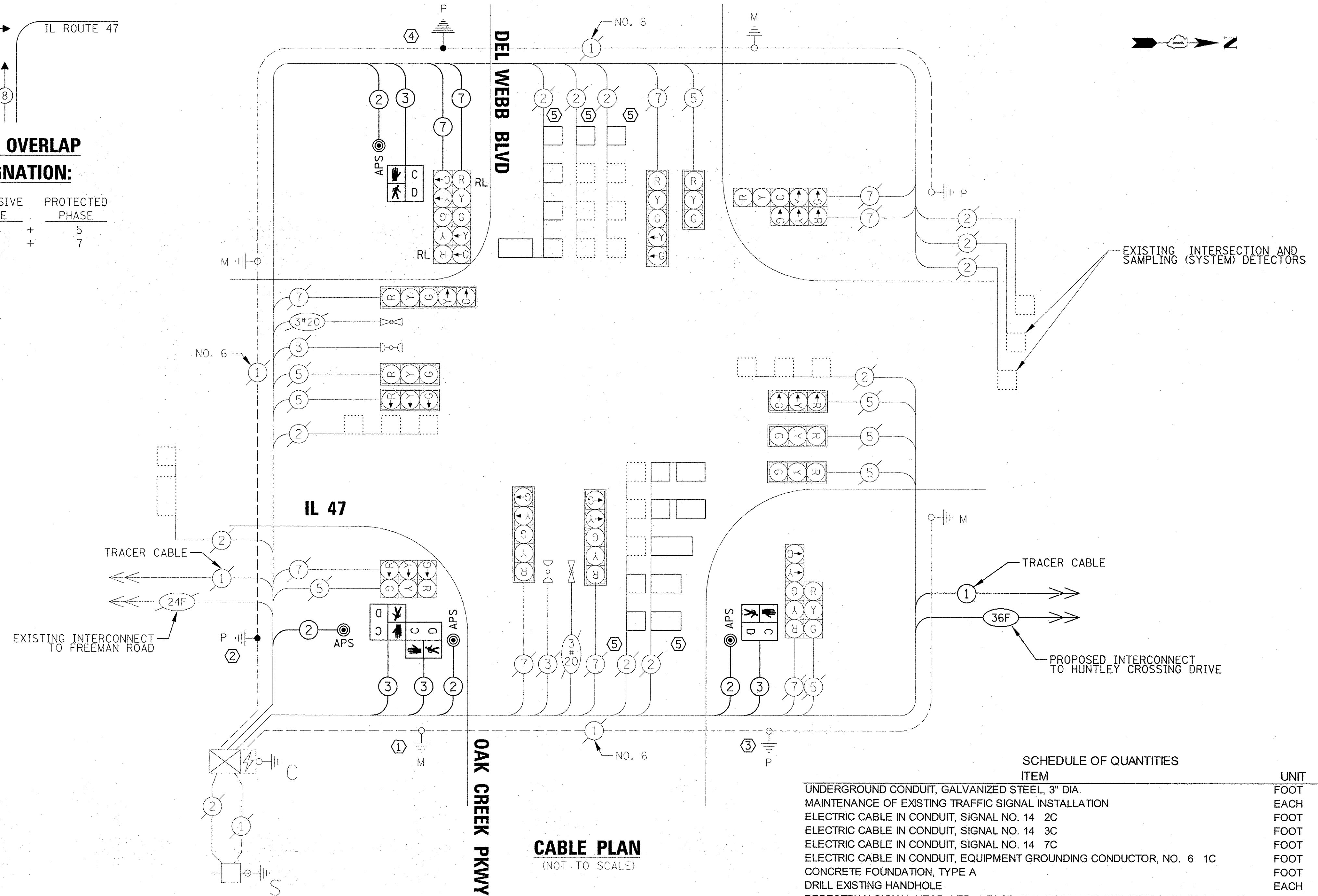
ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 W CENTER COURT
 SCHAUMBURG, ILLINOIS 60196
 ENERGY SUPPLY: CONTACT: NEW BUSINESS
 PHONE: (866) 639-3532
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

LEGEND:

- ⊛ PROTECTED PHASE
- ⊛- - - PROTECTED/PERMITTED PHASE
- ⊛- - - PEDESTRIAN PHASE
- ⊛ OL OVERLAP

CONSTRUCTION NOTES:

- ① INSTALL TWO NEW PEDESTRIAN SIGNAL HEADS AND A NEW APS (ACCESSIBLE PEDESTRIAN SIGNAL) PUSHBUTTON ON THE EXISTING MAST ARM POLE.
- ② INSTALL NEW PEDESTRIAN PUSHBUTTON POST WITH NEW APS PUSHBUTTON ON CONCRETE FOUNDATION, TYPE A.
- ③ INSTALL NEW PEDESTRIAN SIGNAL HEAD AND NEW APS PUSHBUTTON ON EXISTING 16' POST.
- ④ RELOCATE EXISTING 5-SECTION SIGNAL HEADS AND POST TO THE NEW LOCATION AS SHOWN ON THE PLANS AND REMOVE THE EXISTING CONCRETE FOUNDATION. INSTALL A NEW PEDESTRIAN SIGNAL HEAD AND APS PUSHBUTTON TO THE RELOCATED POST.
- ⑤ INSTALL NEW DETECTOR LOOP, TYPE I ON THE EAST AND WEST APPROACHES AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL DRILL THE EXISTING HANDHOLE, BREAK THE EXISTING LEAD-IN CABLE SPLICE, AND RESPLICE THE EXISTING AND PROPOSED DETECTOR LOOPS TO THE EXISTING LEAD-IN CABLES. ALL SPLICE WORK COSTS SHALL BE INCLUDED IN THE PAY ITEM: DETECTOR LOOP, TYPE I.



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	62
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	576
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	593
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	435
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	82
CONCRETE FOUNDATION, TYPE A	FOOT	8
DRILL EXISTING HANDHOLE	EACH	18
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
DETECTOR LOOP, TYPE I	FOOT	898
RELOCATE EXISTING SIGNAL HEAD	EACH	2
RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
PEDESTRIAN PUSH-BUTTON POST, TYPE A	EACH	1

TS SHT NO. 9

FILE NAME = N:\Huntley\070103\070103.00057\Traffic\	USER NAME = jstrick	DESIGNED - LJ	REVISED -
47_Del Webb_CAB.dgn		DRAWN - FB / LJ	REVISED -
default		CHECKED - GMZ	REVISED -
		DATE - 11/2/2016	REVISED -

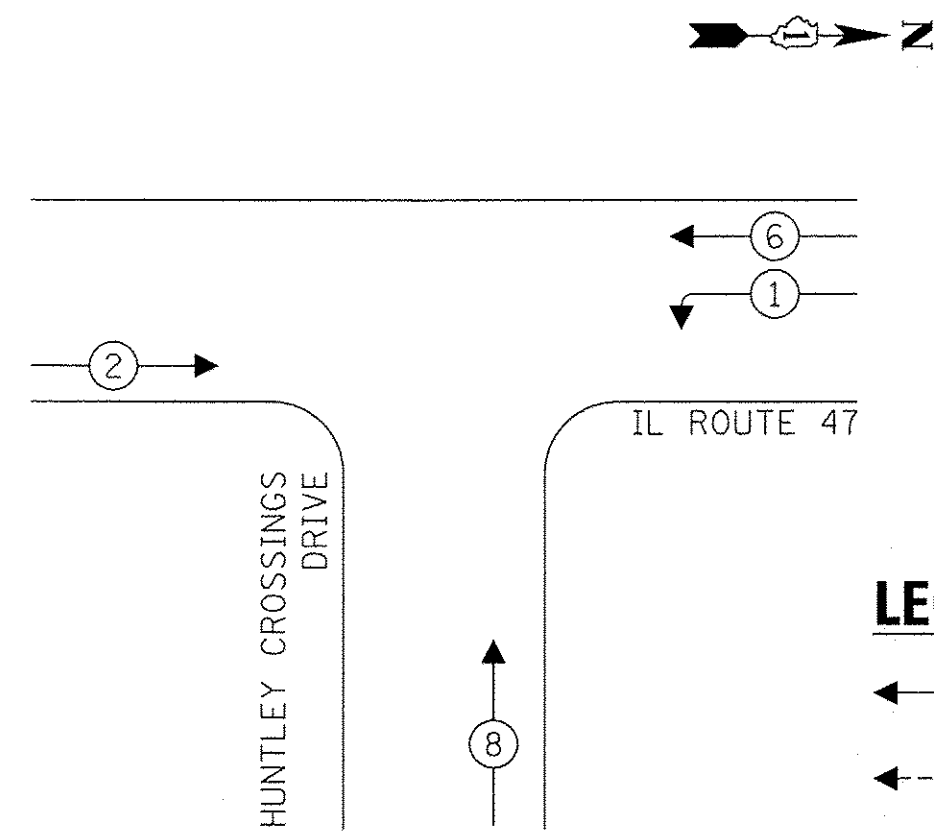
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL 47 AT DEL WEBB BLVD / OAK CREEK PKWY

F.A.P. RTE. 326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 55
SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 61D43	
ILLINOIS FED. AID PROJECT				

TS # 7332
EAGLE 7D

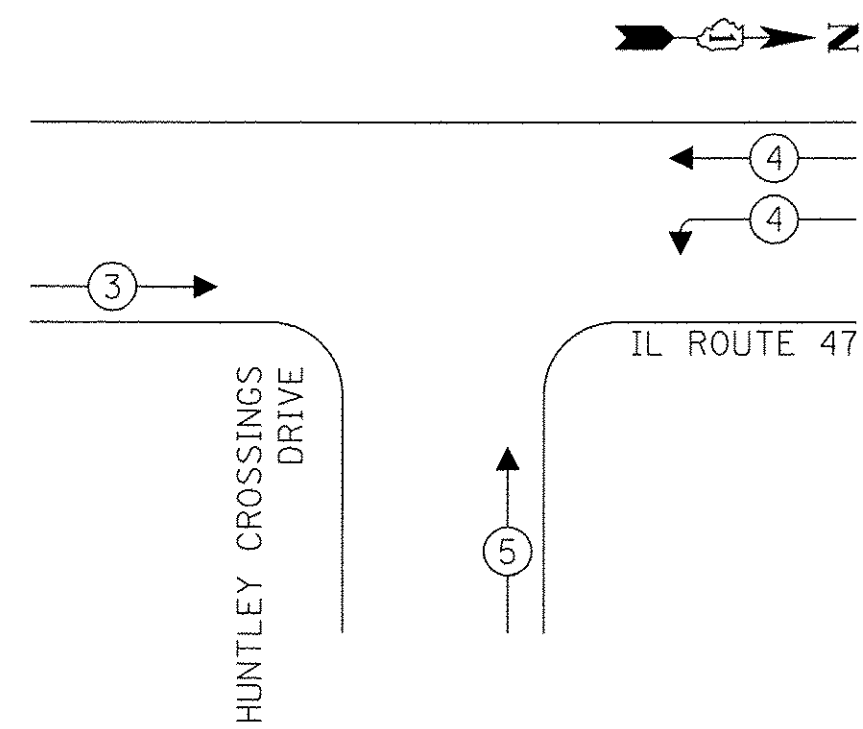
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← * - - → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← OL → OVERLAP

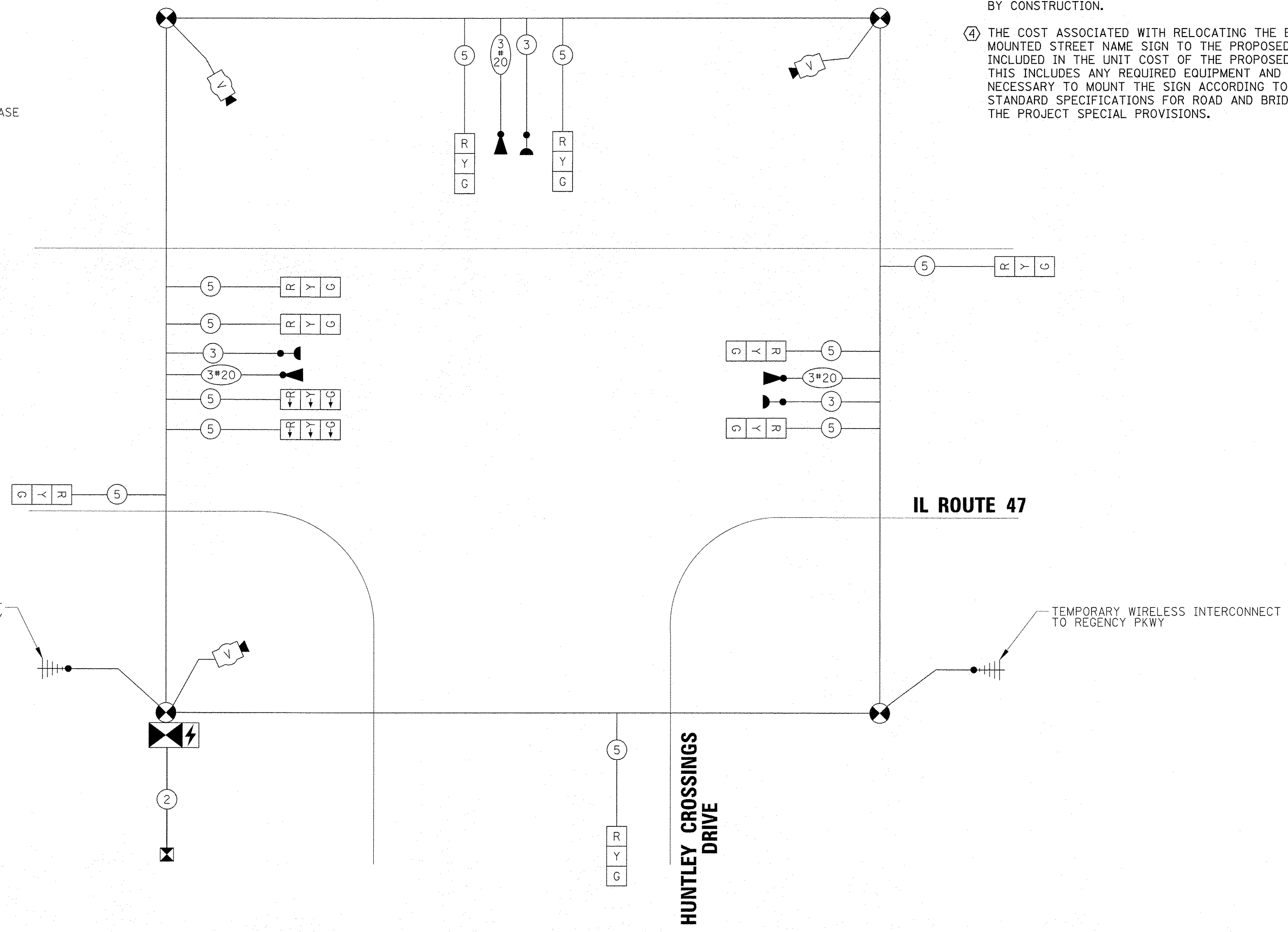
**TEMPORARY EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	11	11	50	60.5
(YELLOW)	11	20	5	11.0
(GREEN)	11	12	45	59.4
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
-	-	-	-	-
ENERGY COSTS TO:				TOTAL = 405.9

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: NEW BUSINESS
PHONE: (866) 639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



TEMPORARY CABLE PLAN

(NOT TO SCALE)

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER CABINET WITH UPS AND RELOCATE IT TO THE PROPOSED CONCRETE FOUNDATION, TYPE C AS SHOWN ON THE MODIFICATION PLANS OR AS DIRECTED BY THE ENGINEER. THE EXISTING CONTROLLER CABINET FOUNDATION SHALL BE REMOVED ACCORDING TO THE PROJECT'S SPECIAL PROVISION.
- ② THE EXISTING SIGNAL HEADS TO REMAIN SHALL BE BAGGED AND DISABLE WHILE THE TEMPORARY TRAFFIC SIGNAL IS IN OPERATION.
- ③ ALL EXISTING ELCTRIC CABLE SHALL BE REMOVED. THE ONLY CABLE TO REMAIN SHALL BE GROUNDING CABLE IN CONDUITS NOT DAMAGED BY CONSTRUCTION.
- ④ THE COST ASSOCIATED WITH RELOCATING THE EXISTING MAST ARM MOUNTED STREET NAME SIGN TO THE PROPOSED MAST ARM SHALL BE INCLUDED IN THE UNIT COST OF THE PROPOSED MAST ARM PAY ITEM. THIS INCLUDES ANY REQUIRED EQUIPMENT AND MOUNTING HARDWARE NECESSARY TO MOUNT THE SIGN ACCORDING TO SECTION 720 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE PROJECT SPECIAL PROVISIONS.

TS SHT NO. 11

FILE NAME = N:\Huntley\070103\070103.00057\Traffic	USER NAME = jstrick	DESIGNED - LJ	REVISED -
defa	CB_IL_47_HuntleyCrossing.dgn	DRAWN - FB / LJ	REVISED -
	PLOT SCALE = 20'	CHECKED - GMZ	REVISED -
	PLOT DATE = 11/22/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 47 AT HUNTLEY CROSSINGS DRIVE

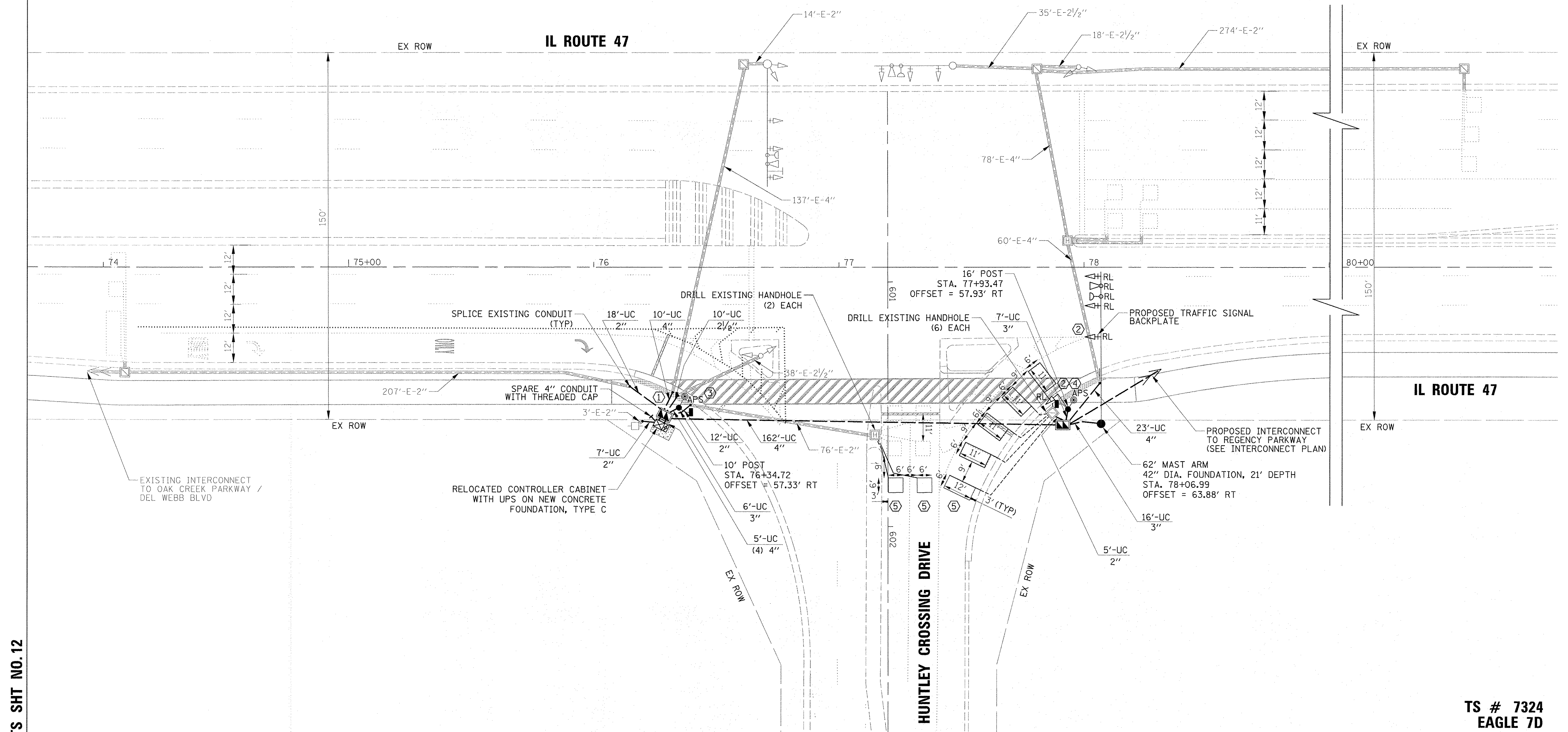
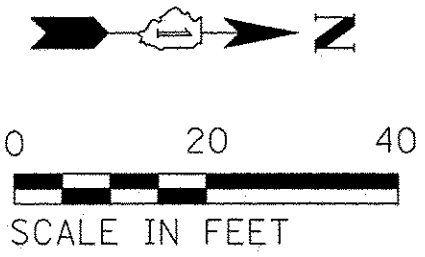
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 57
			CONTRACT NO. 61043	
ILLINOIS FED. AID PROJECT				

TS # 7324
EAGLE 7D

CONSTRUCTION NOTES:

- ① THE EXISTING CONTROLLER CABINET AND UPS SHALL BE RELOCATED TO THE PROPOSED CONCRETE FOUNDATION, TYPE C. THE CONTRACTOR SHALL SPLICE THE EXISTING CONDUIT LEADING TO THE PROPOSED DOUBLE HANDHOLES.
- ② THE CONTRACTOR SHALL RELOCATE THE EXISTING SIGNAL HEADS AND EVP EQUIPMENT TO THE PROPOSED MAST ARM. THE EXISTING NORTHBOUND 5-SECTION BRACKET MOUNTED SIGNAL HEAD WILL BE MOUNTED TO THE PROPOSED MAST ARM. THE EXISTING WESTBOUND BRACKET MOUNTED SIGNAL HEAD WILL BE RELOCATED TO THE PROPOSED 16 FT TRAFFIC SIGNAL POST. SEE CABLE PLAN FOR DETAILS.
- ③ INSTALL NEW 10 FT TRAFFIC SIGNAL POST WITH A NEW PEDESTRIAN SIGNAL HEAD AND A NEW APS (ACCESSIBLE PEDESTRIAN SIGNAL) PUSHBUTTON ON CONCRETE FOUNDATION, TYPE A.
- ④ INSTALL NEW 16 FT TRAFFIC SIGNAL POST WITH THE RELOCATED WESTBOUND 3 SECTION SIGNAL HEAD, NEW PEDESTRIAN SIGNAL HEAD, AND A NEW APS PUSHBUTTON, ON CONCRETE FOUNDATION, TYPE A.
- ⑤ INSTALL NEW DETECTOR LOOP, TYPE I ON THE EAST APPROACH AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL DRILL THE EXISTING HANDHOLE, BREAK THE EXISTING LEAD-IN CABLE SPLICE, AND RESPLICE THE EXISTING AND PROPOSED DETECTOR LOOPS TO THE EXISTING LEAD-IN CABLES. ALL SPLICE WORK COSTS SHALL BE INCLUDED IN THE PAY ITEM: DETECTOR LOOP, TYPE I.



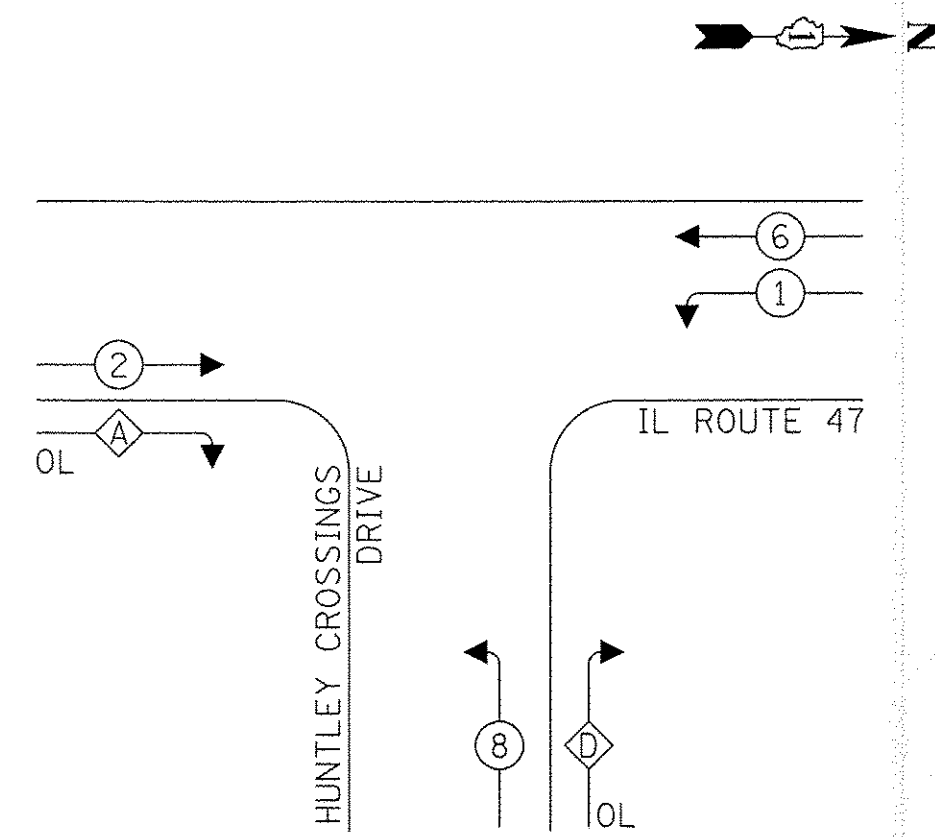
TS SHT NO. 12

TS # 7324
EAGLE 7D

FILE NAME = N:\Huntley\070103\070103.00057\Traffic\	USER NAME = jstrick	DESIGNED - LJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODIFICATION PLAN ILLINOIS ROUTE 47 AND HUNTLEY CROSSINGS DRIVE	F.A.P. RTE. 326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 58		
default	47_HuntleyCrossing_MOD.dgn	DRAWN - FB / LJ	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 61D43		ILLINOIS FED. AID PROJECT	
	PLOT SCALE = 20"	CHECKED - GMZ	REVISED -									
	PLOT DATE = 11/2/2016	DATE -	REVISED -									

EXISTING CONTROLLER SEQUENCE

PROPOSED CONTROLLER SEQUENCE

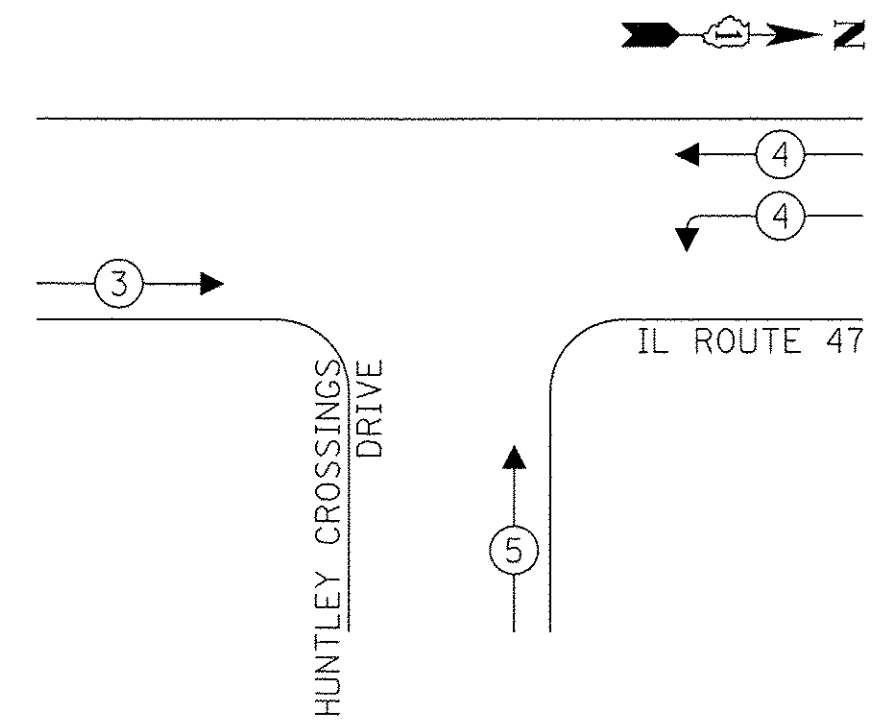


RIGHT TURN OVERLAP

PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	2	8
D	8	1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



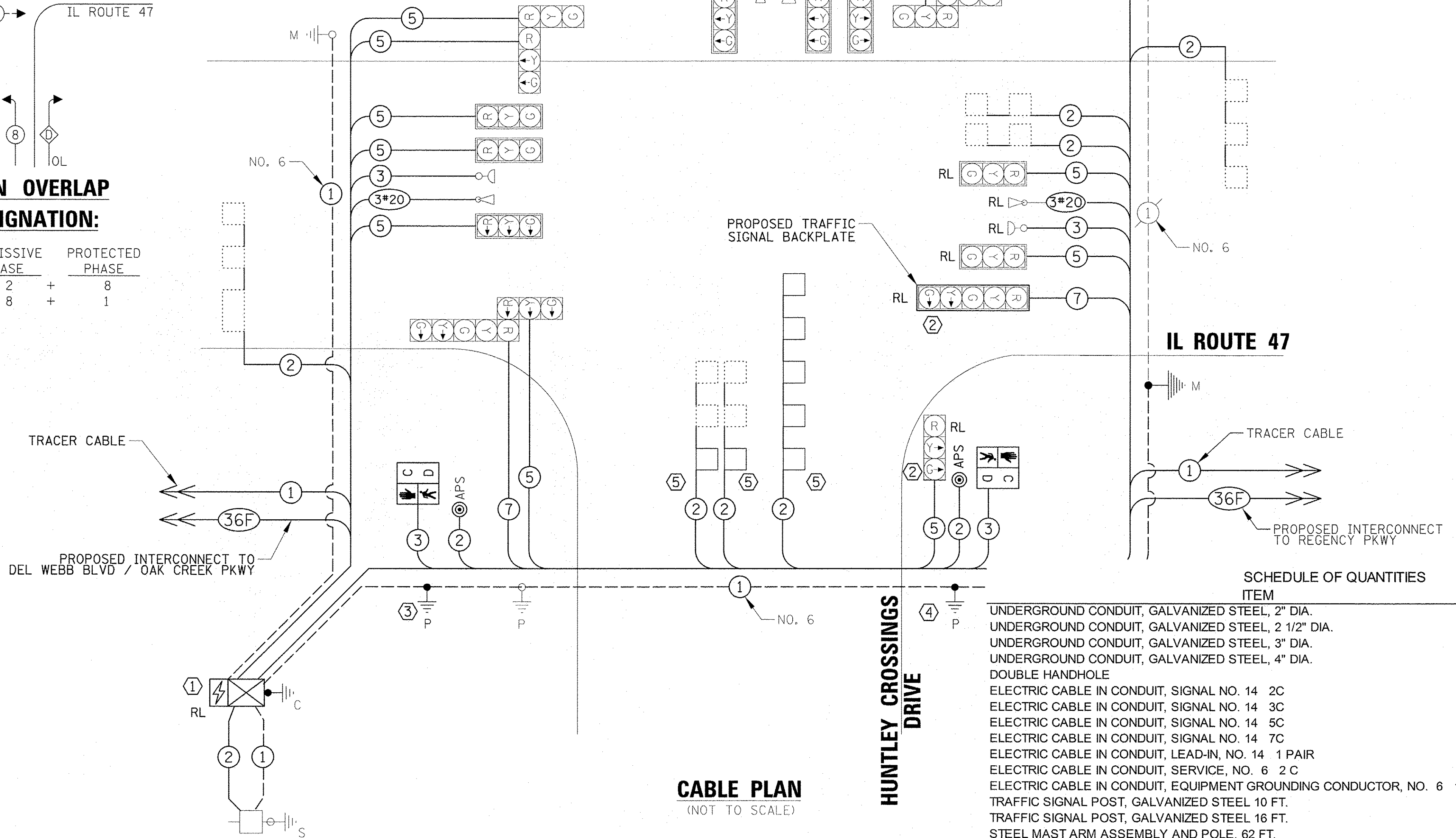
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	17	11	50	93.5
(YELLOW)	17	20	5	17.0
(GREEN)	17	12	45	91.8
PERMISSIVE ARROW	4	10	10	4.0
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
-	-	-	-	-
ENERGY COSTS TO:				TOTAL = 371.3

ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 W CENTER COURT
 SCHAUMBURG, ILLINOIS 60196
 ENERGY SUPPLY: CONTACT: NEW BUSINESS
 PHONE: (866) 639-3532
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

LEGEND:

- ← ⊛ ← PROTECTED PHASE
- ← ⊛ - - - PROTECTED/PERMITTED PHASE
- ← ⊛ → PEDESTRIAN PHASE
- ← ⊛ OL OVERLAP



CABLE PLAN
(NOT TO SCALE)

CONSTRUCTION NOTES:

- ① THE EXISTING CONTROLLER CABINET AND UPS SHALL BE RELOCATED TO THE PROPOSED CONCRETE FOUNDATION, TYPE C. THE CONTRACTOR SHALL SPLICE THE EXISTING CONDUIT LEADING TO THE PROPOSED DOUBLE HANDHOLES.
- ② THE CONTRACTOR SHALL RELOCATE THE EXISTING SIGNAL HEADS AND EVP EQUIPMENT TO THE PROPOSED MAST ARM. THE EXISTING NORTHBOUND 5-SECTION BRACKET MOUNTED SIGNAL HEAD WILL BE MOUNTED TO THE PROPOSED MAST ARM. THE EXISTING WESTBOUND BRACKET MOUNTED SIGNAL HEAD WILL BE RELOCATED TO THE PROPOSED 16 FT TRAFFIC SIGNAL POST. SEE CABLE PLAN FOR DETAILS.
- ③ INSTALL NEW 10 FT TRAFFIC SIGNAL POST WITH A NEW PEDESTRIAN SIGNAL HEAD AND A NEW APS (ACCESSIBLE PEDESTRIAN SIGNAL) PUSHBUTTON ON CONCRETE FOUNDATION, TYPE A.
- ④ INSTALL NEW 16 FT TRAFFIC SIGNAL POST WITH THE RELOCATED WESTBOUND 3 SECTION SIGNAL HEAD, NEW PEDESTRIAN SIGNAL HEAD, AND A NEW APS PUSHBUTTON, ON CONCRETE FOUNDATION, TYPE A.
- ⑤ INSTALL NEW DETECTOR LOOP, TYPE I ON THE EAST APPROACH AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL DRILL THE EXISTING HANDHOLE, BREAK THE EXISTING LEAD-IN CABLE SPLICE, AND RESPLICE THE EXISTING AND PROPOSED DETECTOR LOOPS TO THE EXISTING LEAD-IN CABLES. ALL SPLICE WORK COSTS SHALL BE INCLUDED IN THE PAY ITEM: DETECTOR LOOP, TYPE I.

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	42
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	10
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	29
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	220
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	255
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1272
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4224
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	363
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1923
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	19
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	537
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 62 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
DRILL EXISTING HANDHOLE	EACH	8
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	1
DETECTOR LOOP, TYPE I	FOOT	282
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING SIGNAL HEAD	EACH	4
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, COMPLETE	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	9789
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	4
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1003
ROD AND CLEAN EXISTING CONDUIT	FOOT	937
RELOCATE EXISTING TRAFFIC SIGNAL CONTROLLER AND CABINET, COMPLETE	EACH	1
CONDUIT SPLICE	EACH	5
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM	EACH	1

TS SHT NO. 13

FILE NAME =	USER NAME = jstrick	DESIGNED - LJ	REVISED -
N:\Huntley\070103\070103.00057\Traffic\	47_HuntleyCrossing_CAB.dgn	DRAWN - FB / LJ	REVISED -
default	PLOT SCALE = 20'	CHECKED - GMZ	REVISED -
	PLOT DATE = 11/2/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL 47 AT HUNTLEY CROSSINGS DRIVE

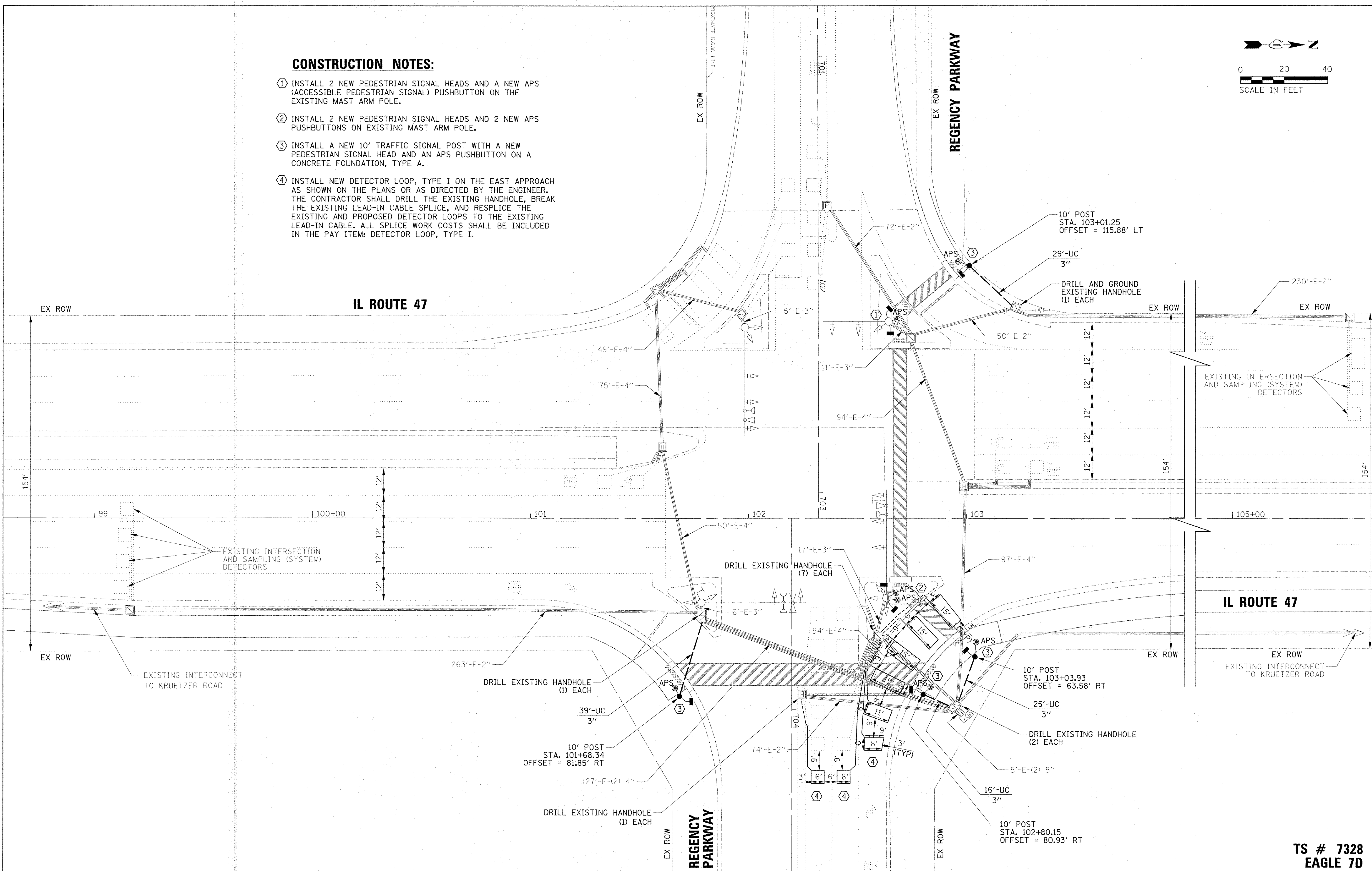
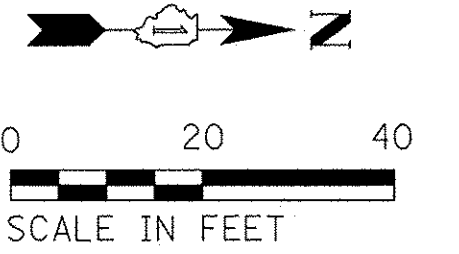
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 59
CONTRACT NO. 61D43				ILLINOIS FED. AID PROJECT

TS # 7324
EAGLE 7D

CONSTRUCTION NOTES:

- ① INSTALL 2 NEW PEDESTRIAN SIGNAL HEADS AND A NEW APS (ACCESSIBLE PEDESTRIAN SIGNAL) PUSHBUTTON ON THE EXISTING MAST ARM POLE.
- ② INSTALL 2 NEW PEDESTRIAN SIGNAL HEADS AND 2 NEW APS PUSHBUTTONS ON EXISTING MAST ARM POLE.
- ③ INSTALL A NEW 10' TRAFFIC SIGNAL POST WITH A NEW PEDESTRIAN SIGNAL HEAD AND AN APS PUSHBUTTON ON A CONCRETE FOUNDATION, TYPE A.
- ④ INSTALL NEW DETECTOR LOOP, TYPE I ON THE EAST APPROACH AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL DRILL THE EXISTING HANDHOLE, BREAK THE EXISTING LEAD-IN CABLE SPLICE, AND RESPLICE THE EXISTING AND PROPOSED DETECTOR LOOPS TO THE EXISTING LEAD-IN CABLE. ALL SPLICE WORK COSTS SHALL BE INCLUDED IN THE PAY ITEM: DETECTOR LOOP, TYPE I.



TS SHT NO. 14

**TS # 7328
EAGLE 7D**

FILE NAME =	USER NAME = jsitrick	DESIGNED - LJ	REVISED -
N:\Huntley\070103\070103.00057\Traffic\	47_Regency_MOD.dgn	DRAWN - FB / LJ	REVISED -
default	PLOT SCALE = 20'	CHECKED - GMZ	REVISED -
	PLOT DATE = 11/2/2016	DATE -	REVISED -

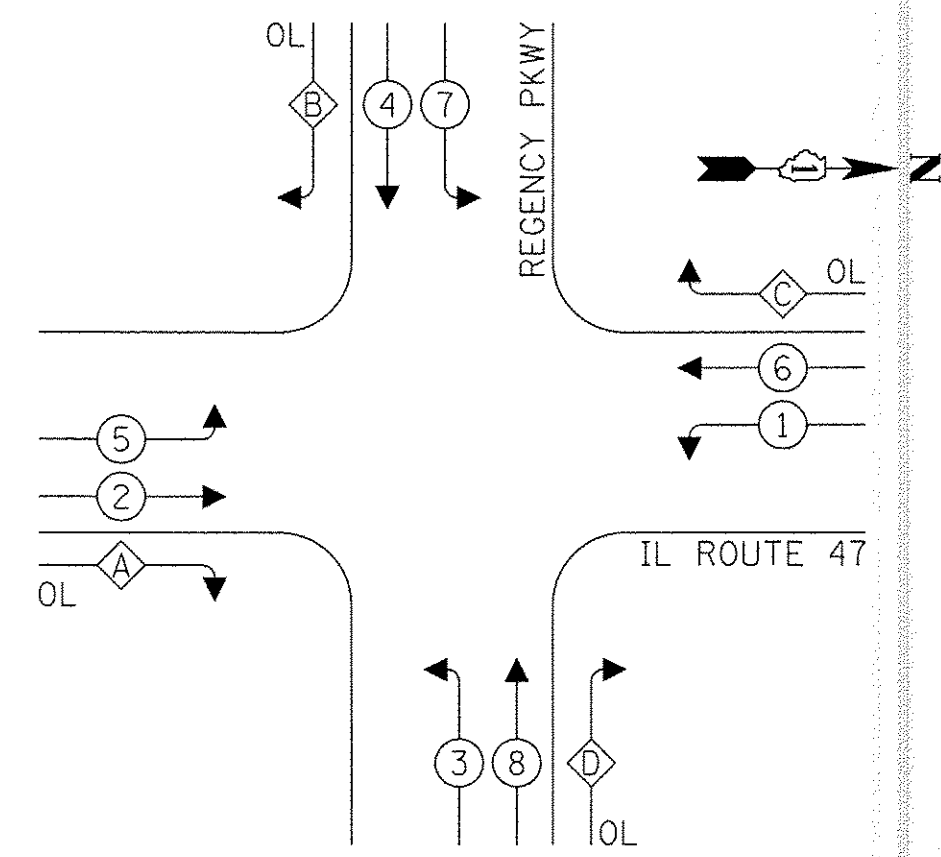
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN
ILLINOIS ROUTE 47 AND REGENCY PARKWAY**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 60
CONTRACT NO. 61D43				ILLINOIS FED. AID PROJECT

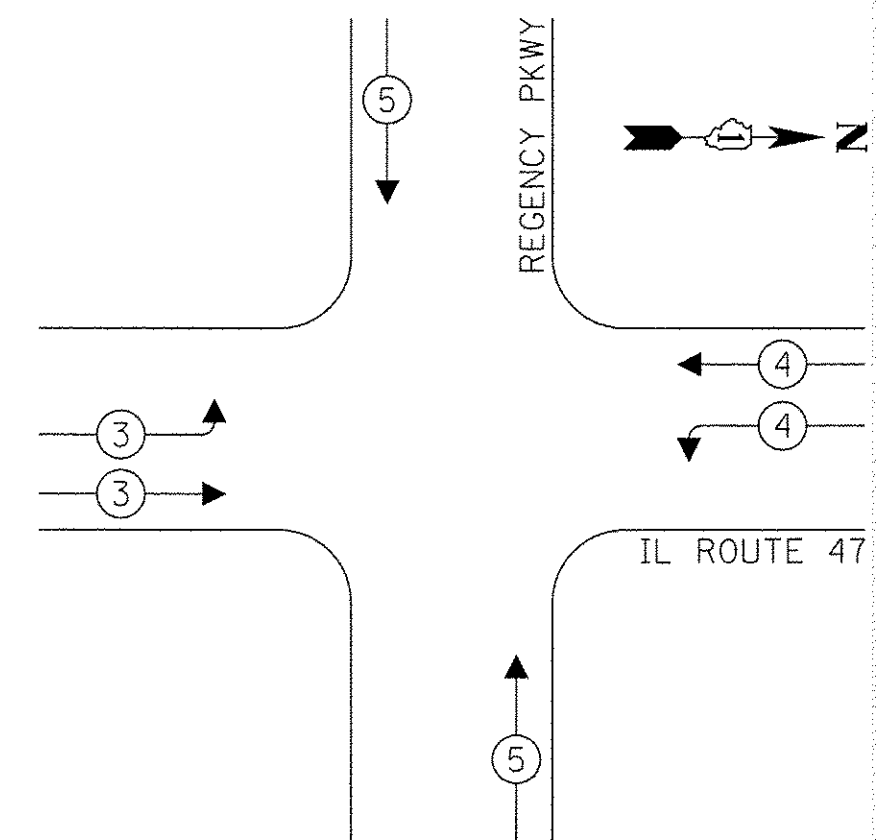
EXISTING CONTROLLER SEQUENCE



RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A =	2 +	3
B =	4 +	5
C =	6 +	7
D =	8 +	1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

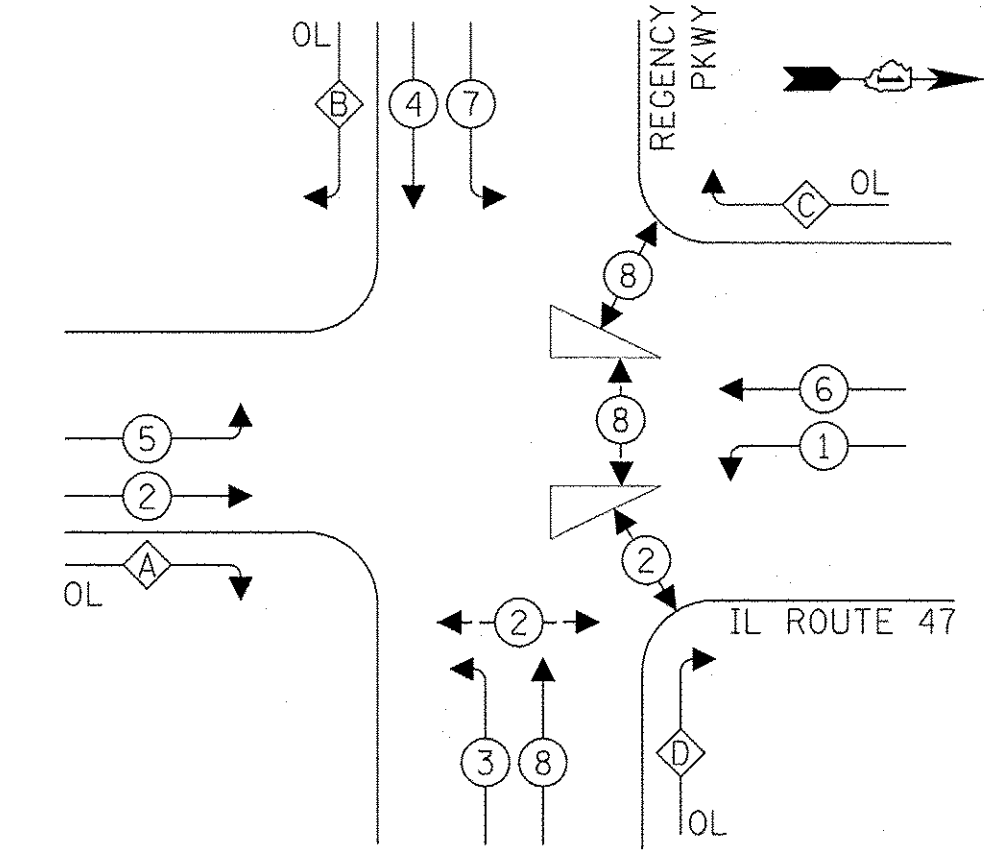


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	24	10	10	24.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
ENERGY COSTS TO:				TOTAL = 547.0

KANE COUNTY DIVISION OF TRANSPORTATION
 201 W CENTER COURT
 SCHAUMBURG, ILLINOIS 60196
 ENERGY SUPPLY: CONTACT: NEW BUSINESS
 PHONE: (866) 639-3532
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

PROPOSED CONTROLLER SEQUENCE



RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A =	2 +	3
B =	4 +	5
C =	6 +	7
D =	8 +	1

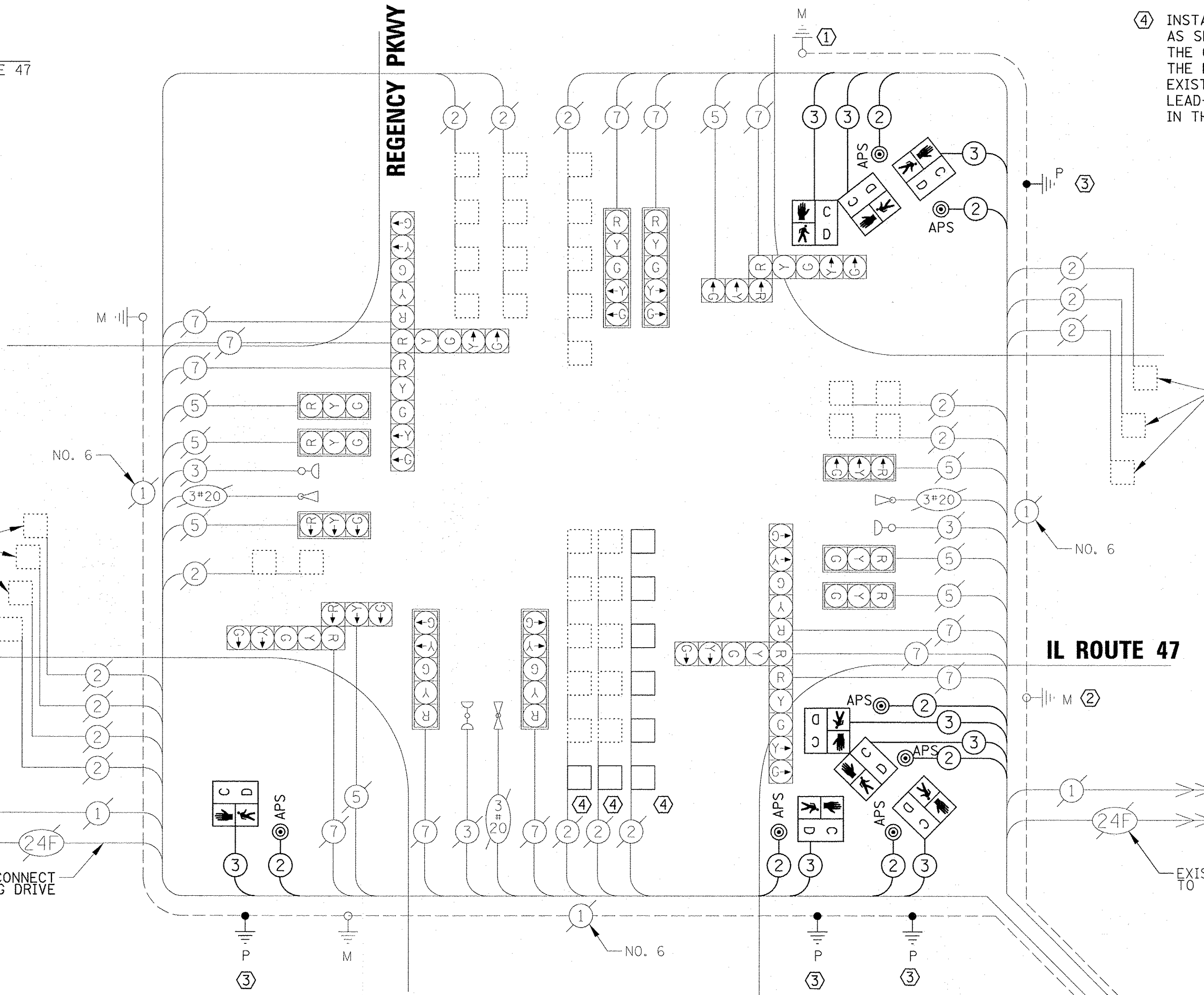
LEGEND:

- ← ⊛ → PROTECTED PHASE
- ← ⊛ ⊛ → PROTECTED/PERMITTED PHASE
- ← ⊛ ⊛ → PEDESTRIAN PHASE
- ← ⊛ OL → OVERLAP

EXISTING INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

TRACER CABLE

EXISTING INTERCONNECT TO HUNTLEY CROSSING DRIVE



EXISTING INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

IL ROUTE 47

EXISTING INTERCONNECT TO KREUTZER ROAD

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	109
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1114
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1419
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	204
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	4
CONCRETE FOUNDATION, TYPE A	FOOT	16
DRILL EXISTING HANDHOLE	EACH	12
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
DETECTOR LOOP, TYPE I	FOOT	407
MODIFY EXISTING CONTROLLER	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	7

CABLE PLAN (NOT TO SCALE)

CONSTRUCTION NOTES:

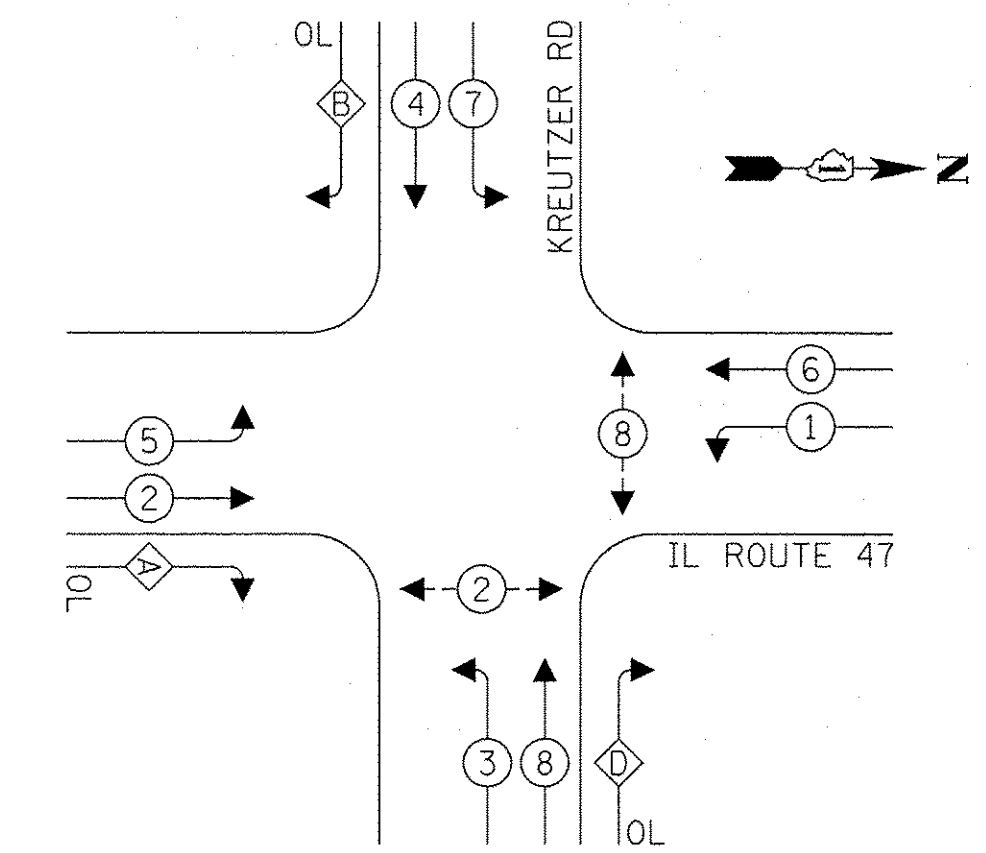
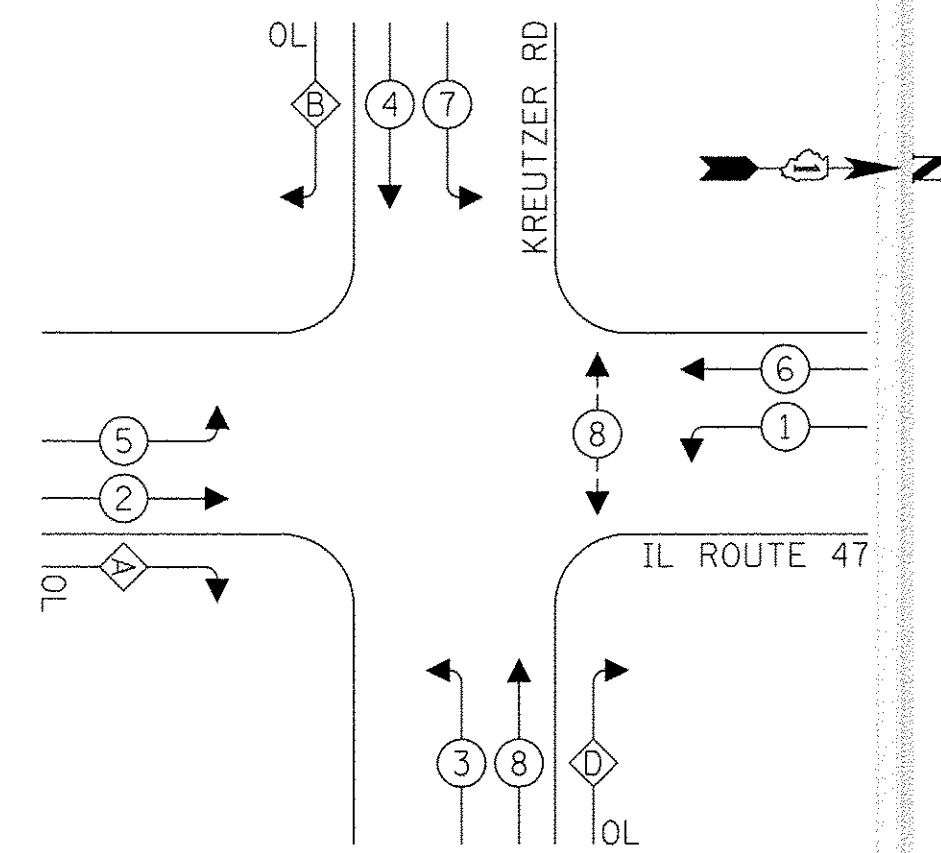
- 1 INSTALL 2 NEW PEDESTRIAN SIGNAL HEADS AND A NEW PUSHBUTTON ON EXISTING MAST ARM POLE.
- 2 INSTALL 2 NEW PEDESTRIAN SIGNAL HEADS AND 2 NEW PUSHBUTTONS ON EXISTING MAST ARM POLE.
- 3 INSTALL A NEW 10' TRAFFIC SIGNAL POST WITH A NEW PEDESTRIAN SIGNAL HEAD AND PUSHBUTTON ON A CONCRETE FOUNDATION, TYPE A.
- 4 INSTALL NEW DETECTOR LOOP, TYPE I ON THE EAST APPROACH AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL DRILL THE EXISTING HANDHOLE, BREAK THE EXISTING LEAD-IN CABLE SPLICE, AND RESPLICE THE EXISTING AND PROPOSED DETECTOR LOOPS TO THE EXISTING LEAD-IN CABLE. ALL SPLICE WORK COSTS SHALL BE INCLUDED IN THE PAY ITEM: DETECTOR LOOP, TYPE I.

TS SHT NO. 15

TS # 7328
EAGLE 7D

EXISTING CONTROLLER SEQUENCE

PROPOSED CONTROLLER SEQUENCE

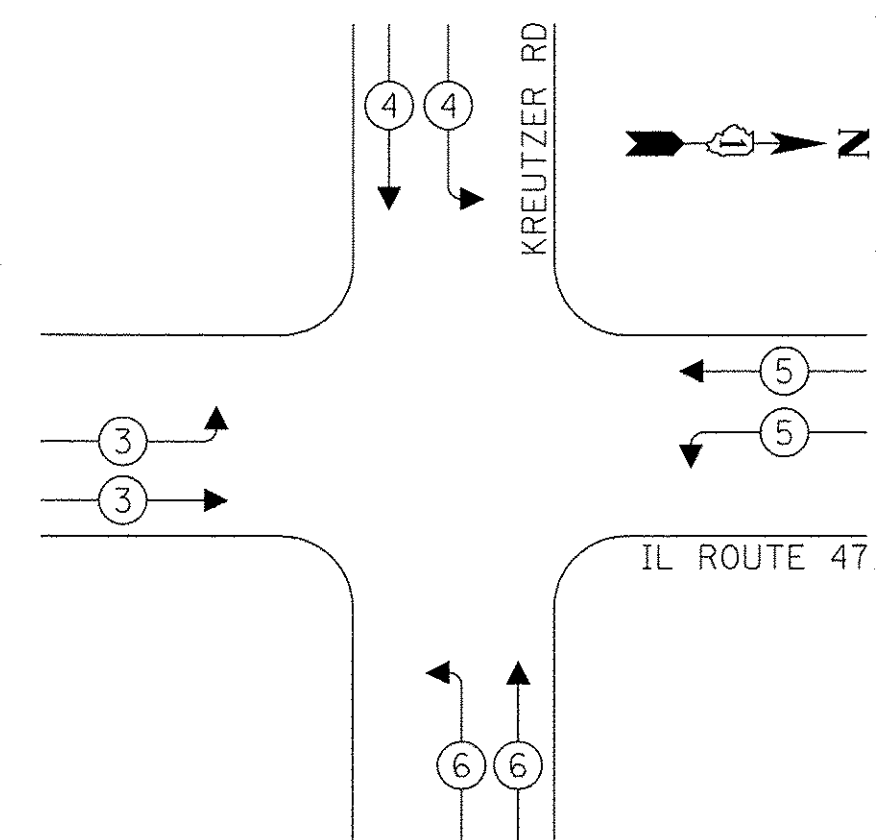


**RIGHT TURN OVERLAP
PHASE DESIGNATION:**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A =	2 +	3
B =	4 +	5
D =	8 +	1

**RIGHT TURN OVERLAP
PHASE DESIGNATION:**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A =	2 +	3
B =	4 +	5
D =	8 +	1



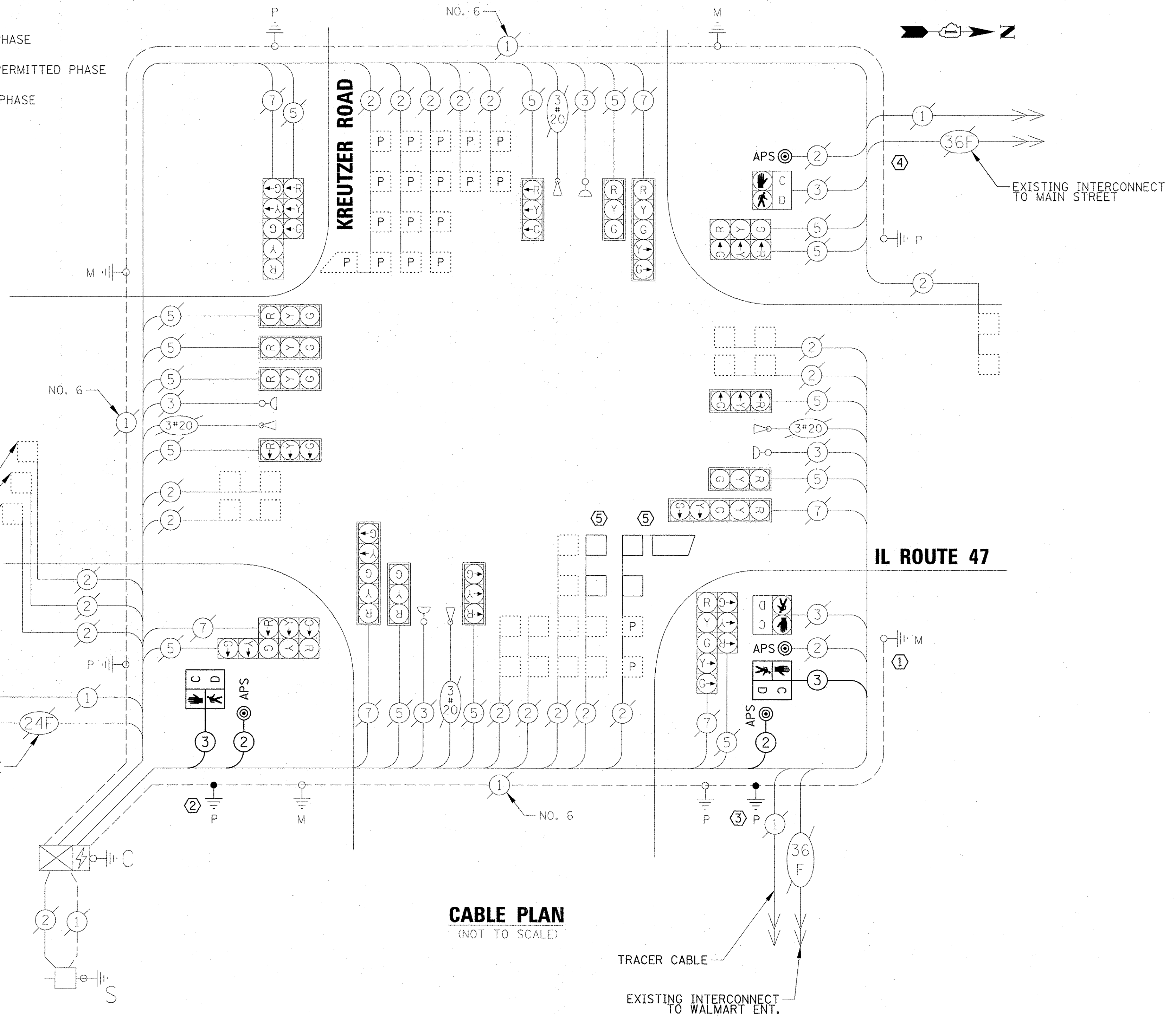
LEGEND:

- ← (⊙) ← PROTECTED PHASE
- ← (⊙) ← PROTECTED/PERMITTED PHASE
- ← (⊙) ← PEDESTRIAN PHASE
- ← (⊙) ← OL OVERLAP

EXISTING INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

TRACER CABLE

EXISTING INTERCONNECT TO REGENCY PKWY



CABLE PLAN
(NOT TO SCALE)

TRACER CABLE

EXISTING INTERCONNECT TO WALMART ENT.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	31
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	241
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	287
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	51
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
DRILL EXISTING HANDHOLE	EACH	7
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
DETECTOR LOOP, TYPE I	FOOT	281
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
PEDESTRIAN PUSH-BUTTON POST, TYPE A	EACH	1

CONSTRUCTION NOTES:

- ① REMOVE THE EXISTING PUSHBUTTON AND INSTALL A NEW APS (ACCESSIBLE PEDESTRIAN SIGNAL) PUSHBUTTON AND A NEW PEDESTRIAN SIGNAL HEAD ON THE EXISTING MAST ARM POLE.
- ② INSTALL NEW 10 FT TRAFFIC SIGNAL POST WITH NEW PEDESTRIAN SIGNAL HEAD AND A NEW APS PUSHBUTTON ON A CONCRETE FOUNDATION, TYPE A.
- ③ INSTALL NEW PEDESTRIAN PUSHBUTTON POST WITH NEW APS PUSH-BUTTON ON CONCRETE FOUNDATION, TYPE A.
- ④ REMOVE THE EXISTING PUSHBUTTON AND INSTALL A NEW APS PUSHBUTTON ON THE EXISTING TRAFFIC SIGNAL POST.
- ⑤ INSTALL NEW DETECTOR LOOP, TYPE I ON THE EAST APPROACH AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL DRILL THE EXISTING HANDHOLE, BREAK THE EXISTING LEAD-IN CABLE SPLICE, AND RESPLICE THE EXISTING AND PROPOSED DETECTOR LOOPS TO THE EXISTING LEAD-IN CABLE. ALL SPLICE WORK COSTS SHALL BE INCLUDED IN THE PAY ITEM: DETECTOR LOOP, TYPE I.

**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	21	11	50	115.5
(YELLOW)	21	20	5	21.0
(GREEN)	21	12	45	113.4
PERMISSIVE ARROW	12	10	10	12.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
ENERGY COSTS TO:			TOTAL =	466.9

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: NEW BUSINESS
PHONE: (866) 639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL 47 AT KREUTZER RD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	14-00041-00-BT	KANE	106	63

**TS # 7329
EAGLE 7D**

TS SHT NO. 17

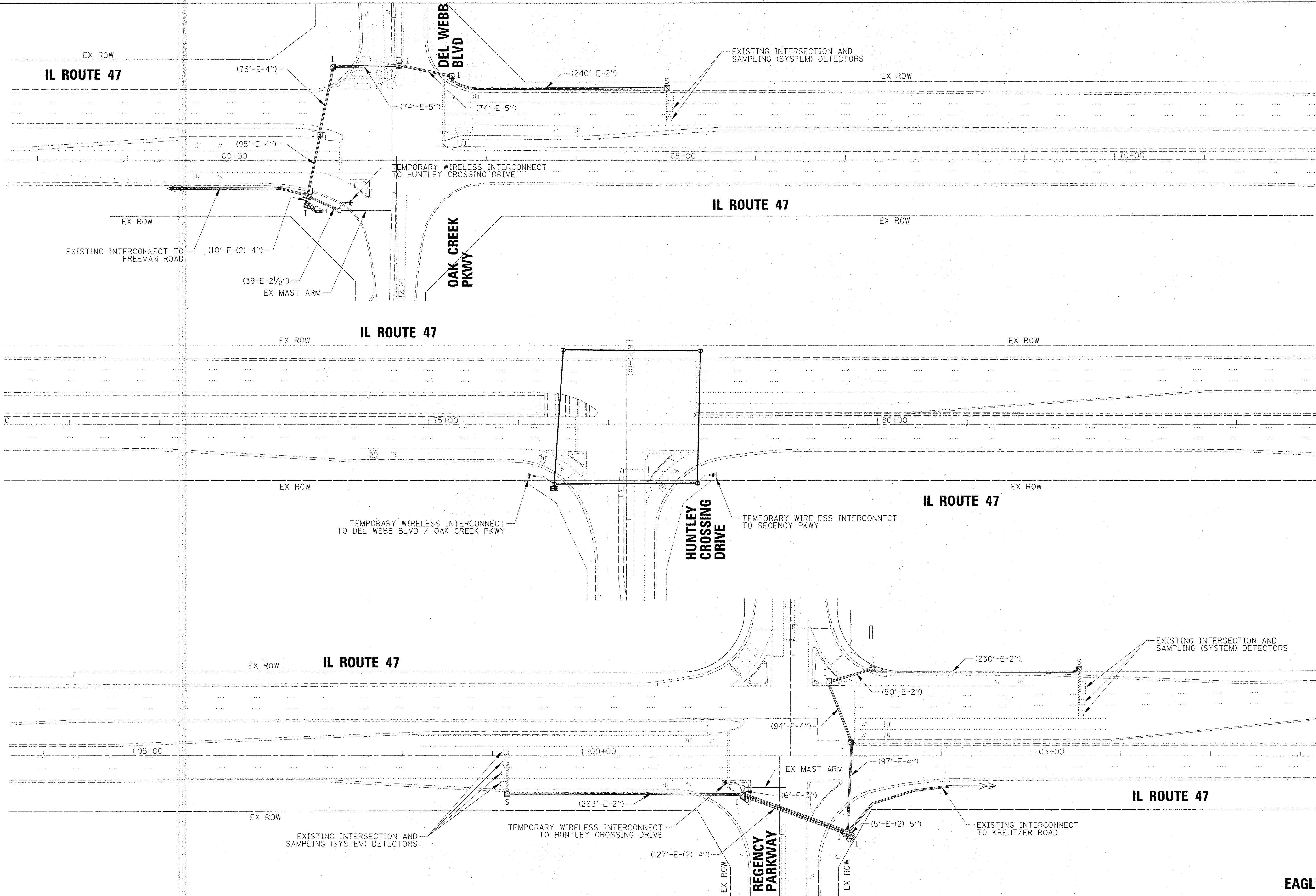
FILE NAME	USER NAME	DESIGNED	REVISIONS
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	47_Kreutzer_CAB.dgn	FB / LJ	-
	PLOT SCALE = 20'	GMZ	-
	PLOT DATE = 11/27/2016		-

DATE	REVISIONS
	-
	-
	-
	-

SCALE: SHEET OF SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

TS SHT NO. 18



EAGLE 7D

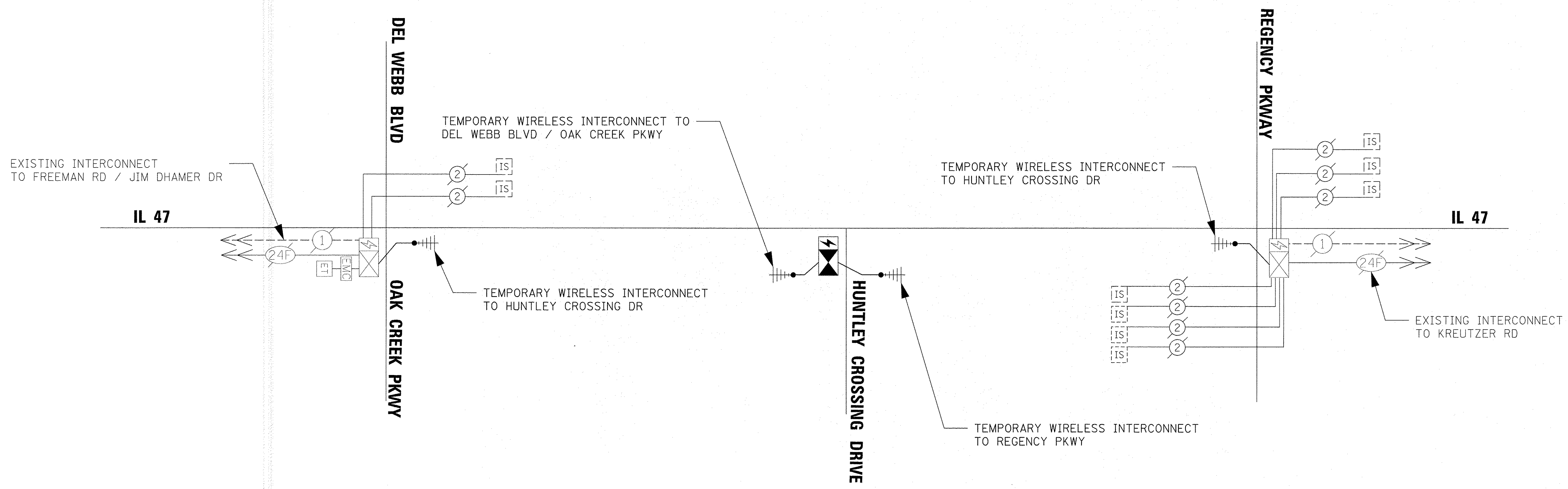
FILE NAME = N:\Huntley\070103\070103.00057\Traffic\	USER NAME = jsttrick 47_TMP-Int-01.dgn	DESIGNED - LJ	REVISED -
default	PLOT SCALE = 50'	DRAWN - FB / LJ	REVISED -
	PLOT DATE = 11/2/2016	CHECKED - GMZ	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN
ILLINOIS ROUTE 47 FROM DEL WEBB BOULEVARD /
OAK CREEK PARKWAY TO KREUTZER ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 64
CONTRACT NO. 61D43				ILLINOIS FED. AID PROJECT

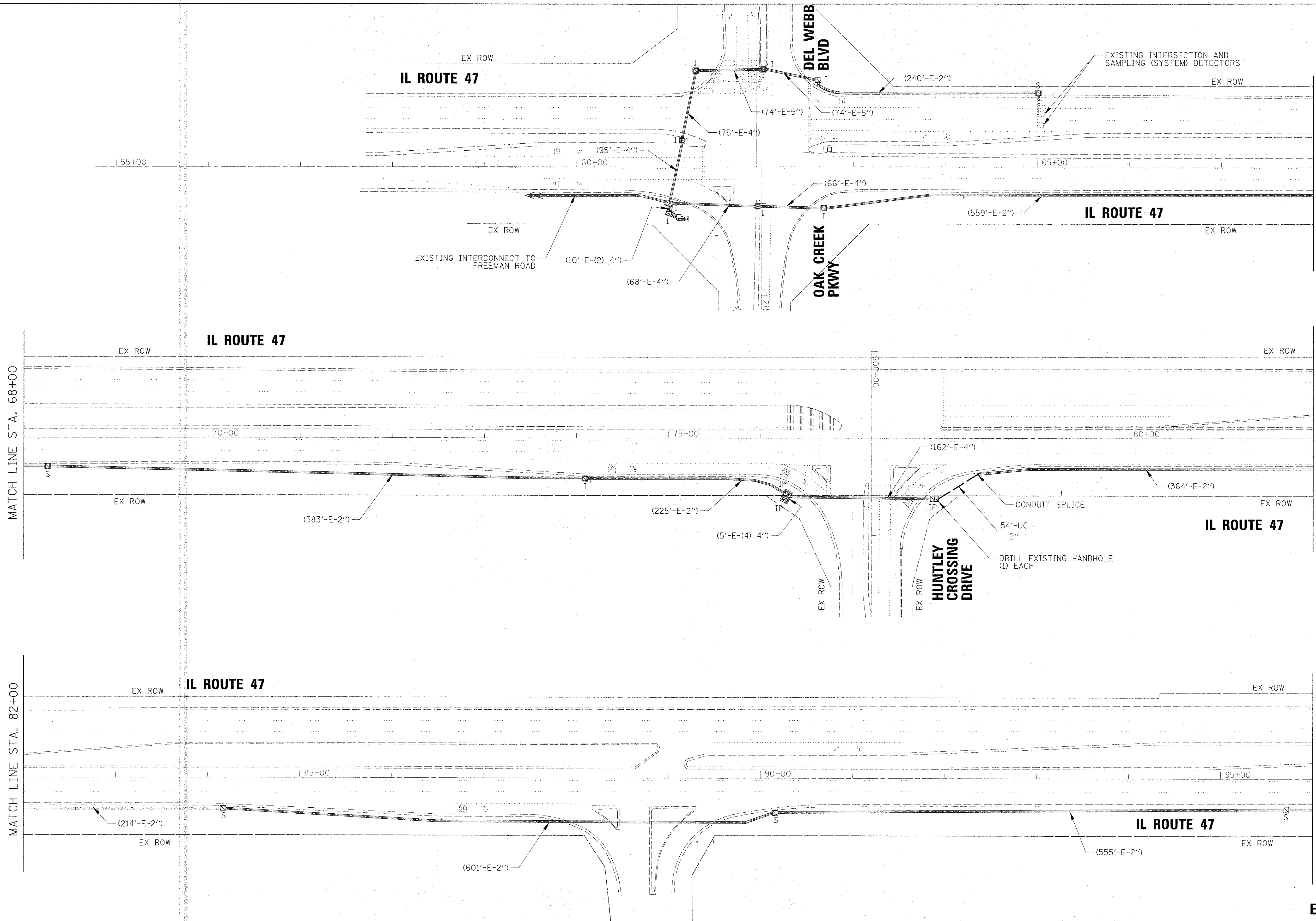


TS SHT NO. 19

EAGLE 7D

FILE NAME = N:\Huntley\070103\070103.00057\TrafficS	USER NAME = jstrick	DESIGNED - LJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY INTERCONNECT SCHEMATIC IL ROUTE 47 FROM DEL WEBB BLVD /OAK CREEK PKWAY TO REGENCY PKWAY			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLT SCALE = 20'	CHECKED - GMZ	REVISED -					326	14-00041-00-BT	KANE	106	65
Default	PLT DATE = 11/2/2016	DATE -	REVISED -	SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT CONTRACT NO. 61D43					

TS SHT NO. 20



MATCH LINE STA. 68+00

MATCH LINE STA. 82+00

MATCH LINE STA. 96+00

EAGLE 7D

FILE NAME = N:\Huntley\070103\070103.00057\Traffic\	USER NAME = jstbrjak 47_INT-01.dgn	DESIGNED - LJ	REVISED -
default	PLOT SCALE = 5/8"	DRAWN - FB / LJ	REVISED -
	PLOT DATE = 11/2/2016	CHECKED - GMZ	REVISED -
		DATE -	REVISED -

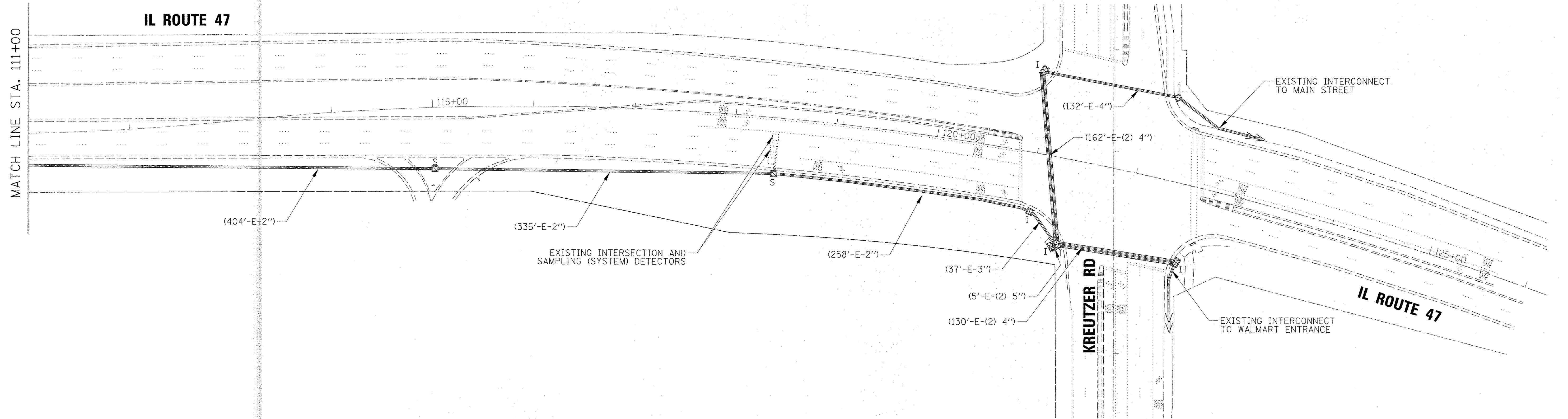
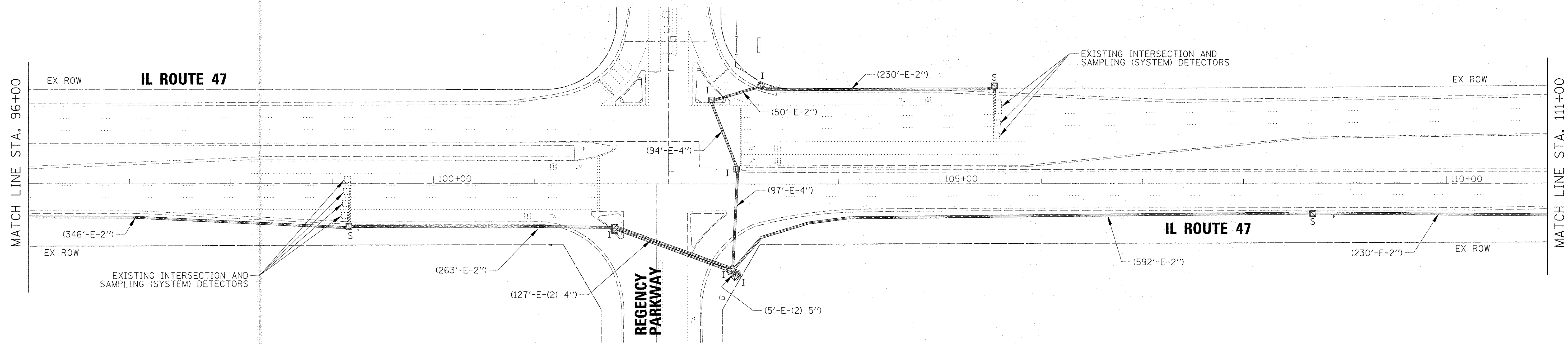
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN - SHEET 1 OF 2
ILLINOIS ROUTE 47 FROM DEL WEBB BOULEVARD /
OAK CREEK PARKWAY TO KREUTZER ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 66
CONTRACT NO. 61D43			[ILLINOIS] FED. AID PROJECT	

TS SHT NO. 21



EAGLE 7D

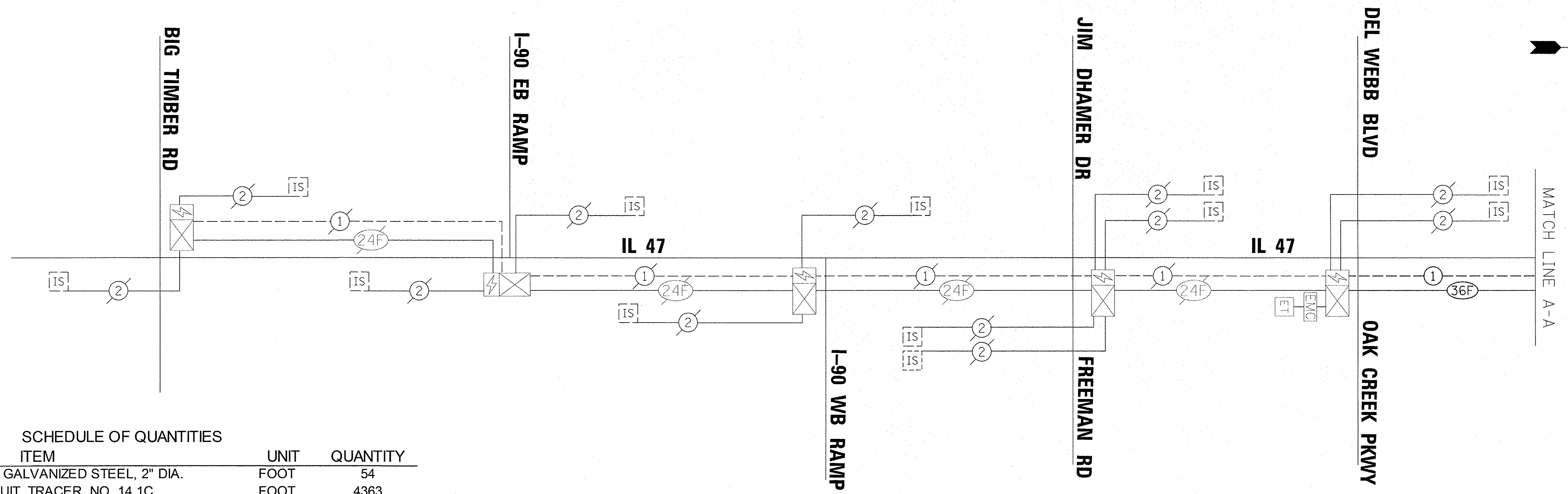
FILE NAME - N:\Huntley\070103\070103.00057\Traffic\	USER NAME - jstirick	DESIGNED - LJ	REVISED -
47_INT-02.dgn		DRAWN - FB / LJ	REVISED -
default		CHECKED - GMZ	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN - SHEET 2 OF 2
ILLINOIS ROUTE 47 FROM DEL WEBB BOULEVARD /
OAK CREEK PARKWAY TO KREUTZER ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

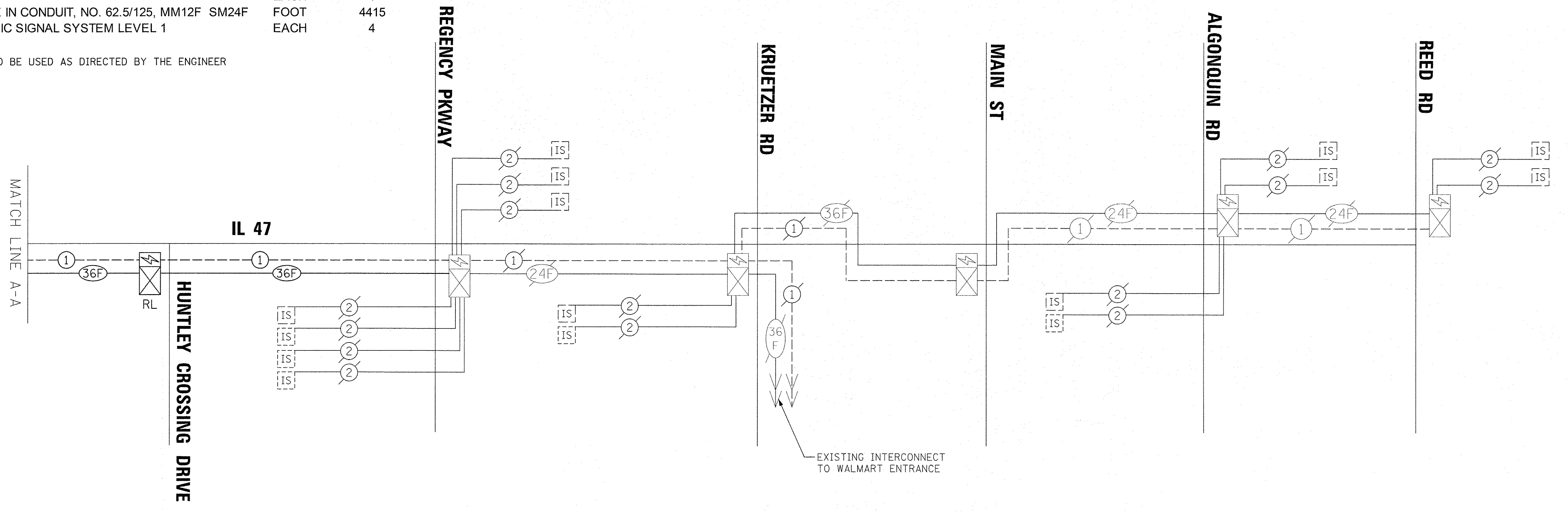
F.A.P. RTE. 326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 67
CONTRACT NO. 61D43			ILLINOIS FED. AID PROJECT	



SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	54
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4363
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	8750
* ROD AND CLEAN EXISTING CONDUIT	FOOT	3279
CONDUIT SPLICE	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	4415
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	4

* NOMINAL QUANTITY TO BE USED AS DIRECTED BY THE ENGINEER



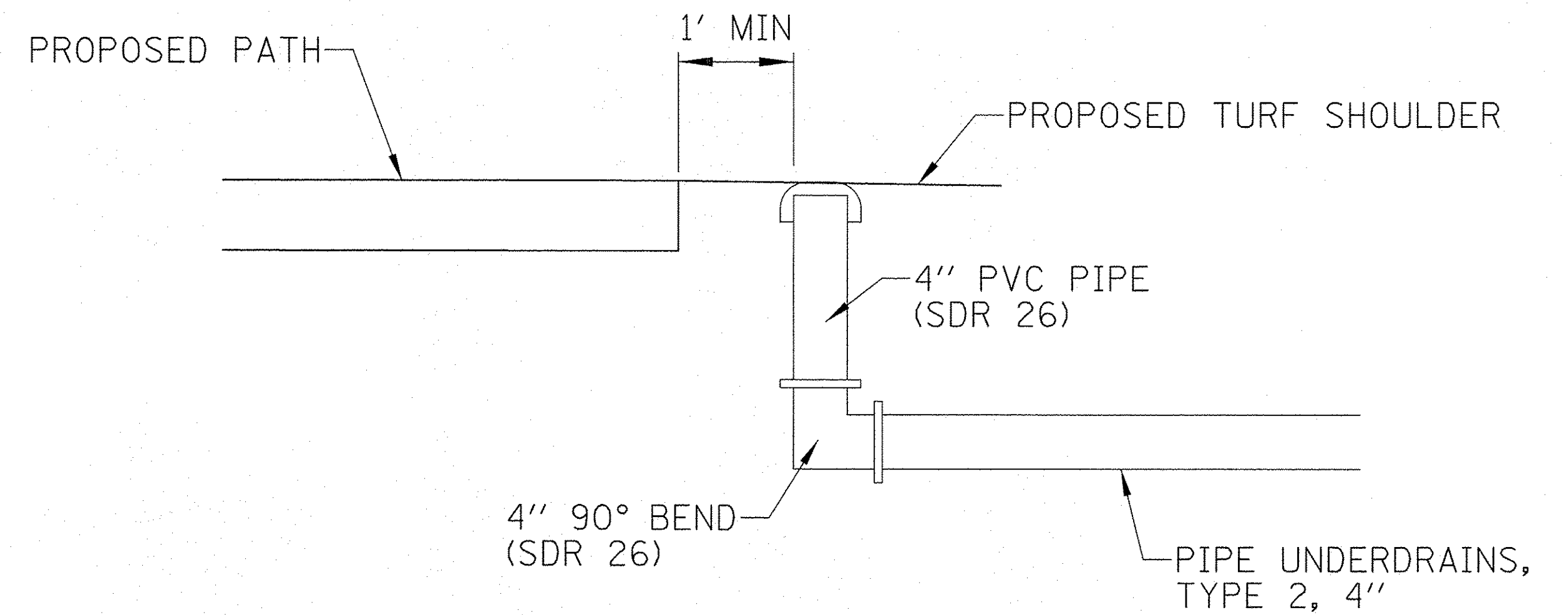
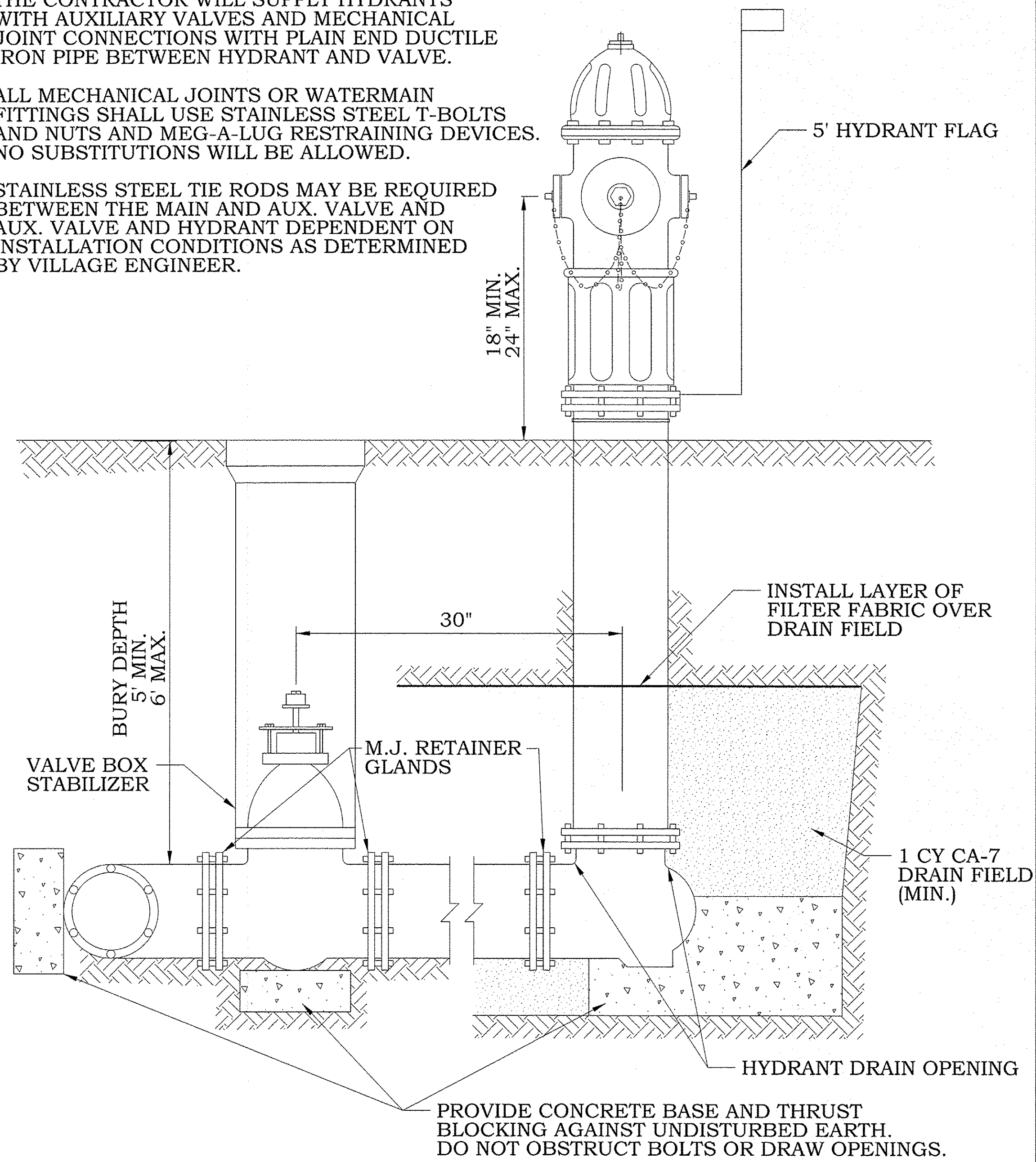
TS SHT NO. 22

EAGLE 7D

FILE NAME = N:\Huntley\070103\070103.00057\TrafficS	USER NAME = jstrick	DESIGNED - LJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERCONNECT SCHEMATIC IL ROUTE 47 FROM BIG TIMBER ROAD TO KRUETZER ROAD			F.A.P. RTE. 326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 68
Default	Plot Scale = 20'	CHECKED - GMZ	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 61D43				
	Plot Date = 11/2/2016	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

NOTES

1. THE CONTRACTOR WILL SUPPLY HYDRANTS WITH AUXILIARY VALVES AND MECHANICAL JOINT CONNECTIONS WITH PLAIN END DUCTILE IRON PIPE BETWEEN HYDRANT AND VALVE.
2. ALL MECHANICAL JOINTS OR WATERMAIN FITTINGS SHALL USE STAINLESS STEEL T-BOLTS AND NUTS AND MEG-A-LUG RESTRAINING DEVICES. NO SUBSTITUTIONS WILL BE ALLOWED.
3. STAINLESS STEEL TIE RODS MAY BE REQUIRED BETWEEN THE MAIN AND AUX. VALVE AND AUX. VALVE AND HYDRANT DEPENDENT ON INSTALLATION CONDITIONS AS DETERMINED BY VILLAGE ENGINEER.



**PIPE DRAINS, 4" SPECIAL
(STATIONS 43+05 & 54+99)**

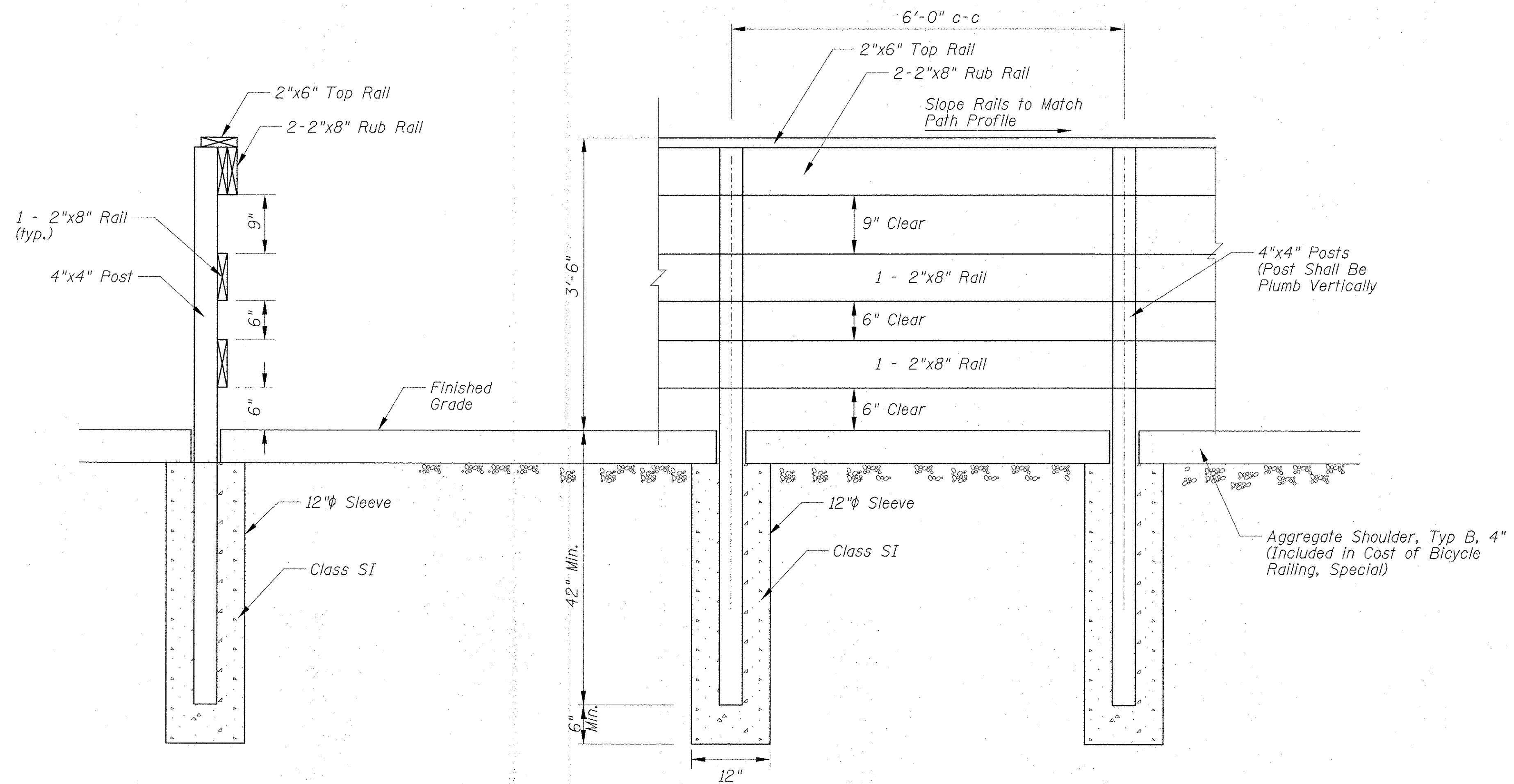
NOT TO SCALE



VILLAGE OF HUNTLEY
10987 MAIN STREET
HUNTLEY, IL 60142
(847) 515-5200

FIRE HYDRANT INSTALL

SCALE:	DRAWN/CHECKED	DRAWING NUMBER
NTS	CBBEL/TPF	WAT-1
DATE:	REVISED:	
1/1/2016	1/1/2016	



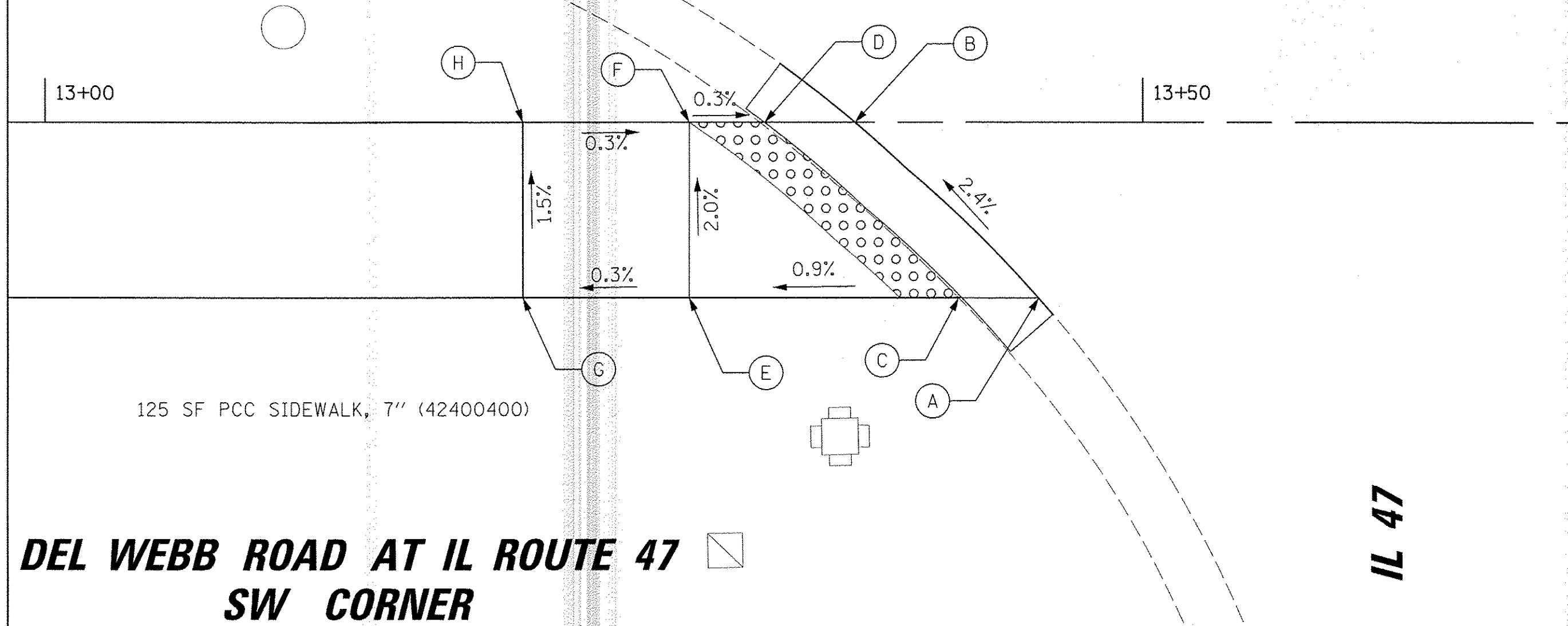
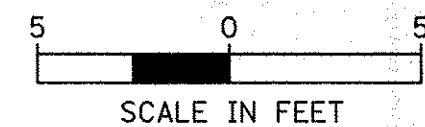
TYPICAL RAILING ELEVATION

BICYCLE RAILING, SPECIAL (X5091725)

FILE NAME = N:\Huntley\070103\070103.00057\Civil\DET	USER NAME = jsitrick	DESIGNED - SNS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 47 MULTI-USE PATH BICYCLE RAILING, SPECIAL DETAILS	F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 71
	PLOT SCALE = 6"	CHECKED - MEK	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 61D43	
Default	PLOT DATE = 11/2/2016	DATE -	REVISED -	ILLINOIS FED. AID PROJECT						

DELL WEBB BLVD

POINT	STA	OFFSET	ELEV
A	13+45.25	8.00	895.50
B	13+36.88	0.00	895.22
C	13+41.75	8.00	895.56
D	13+32.76	0.00	895.28
E	13+29.33	8.00	895.45
F	13+29.33	0.00	895.29
G	13+21.76	8.00	895.43
H	13+21.76	0.00	895.31

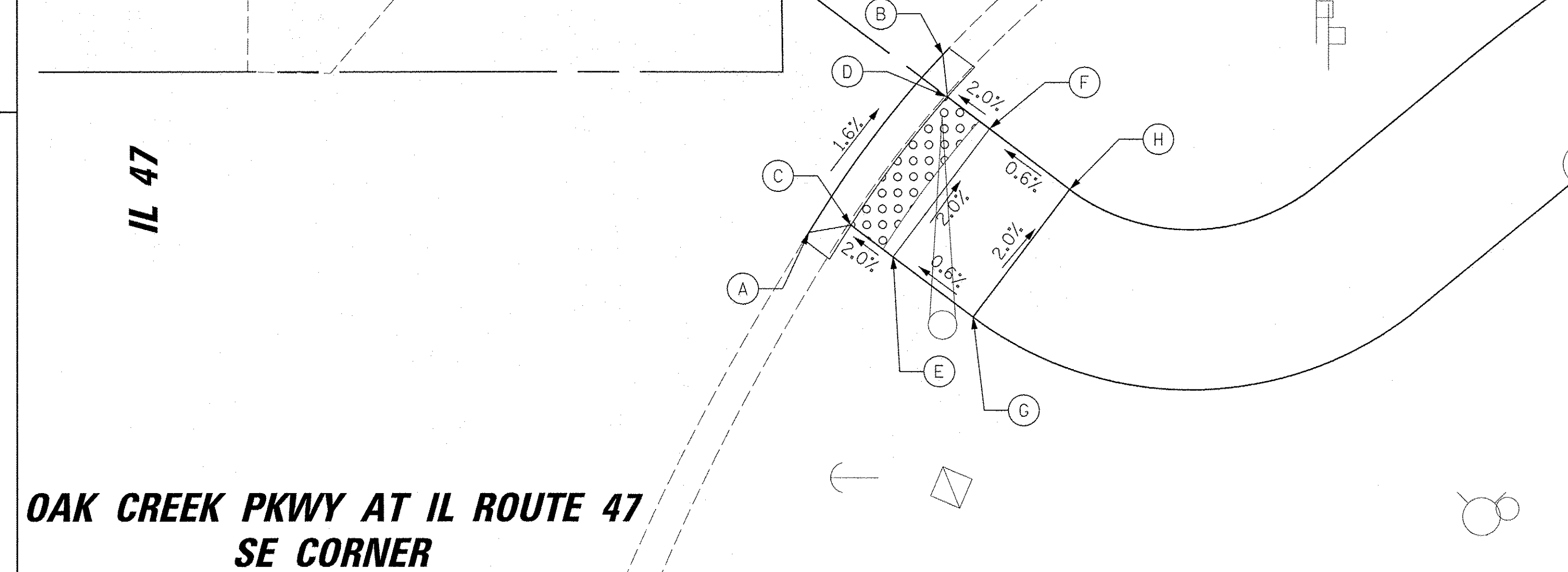
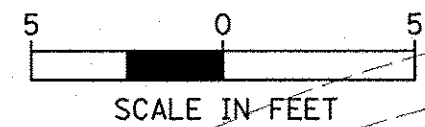


**DEL WEBB ROAD AT IL ROUTE 47
SW CORNER**

IL 47

OAK CREEK PARKWAY

POINT	STA	OFFSET	ELEV
A	100+27.58	9.56	894.72
B	100+27.58	1.56	894.54
C	100+29.04	8.06	894.78
D	100+29.03	0.02	894.62
E	100+31.67	8.00	894.83
F	100+31.67	0.00	894.67
G	100+36.67	8.00	894.86
H	100+36.67	0.00	894.7

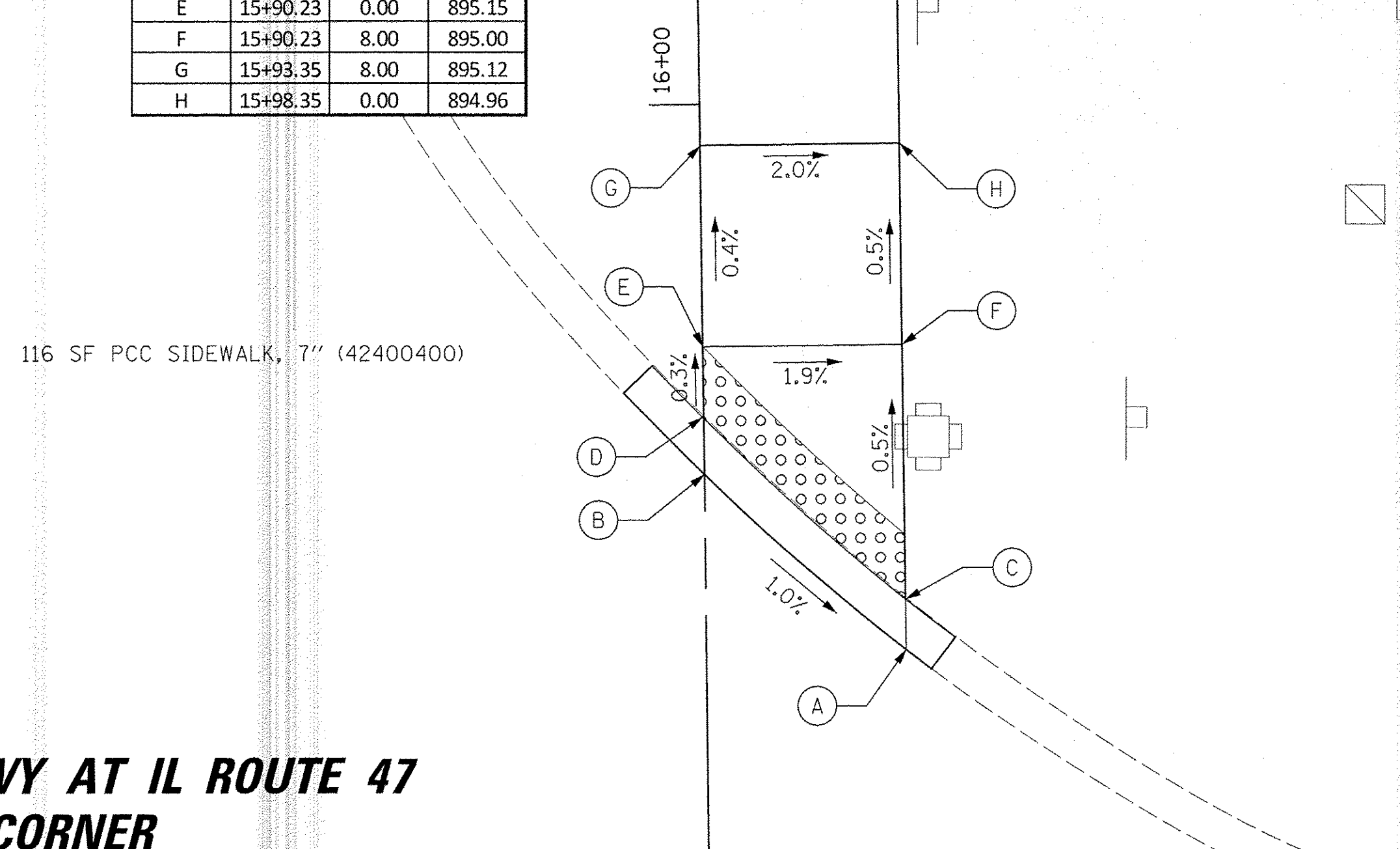
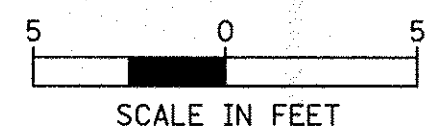


**OAK CREEK PKWY AT IL ROUTE 47
SE CORNER**

IL 47

IL 47

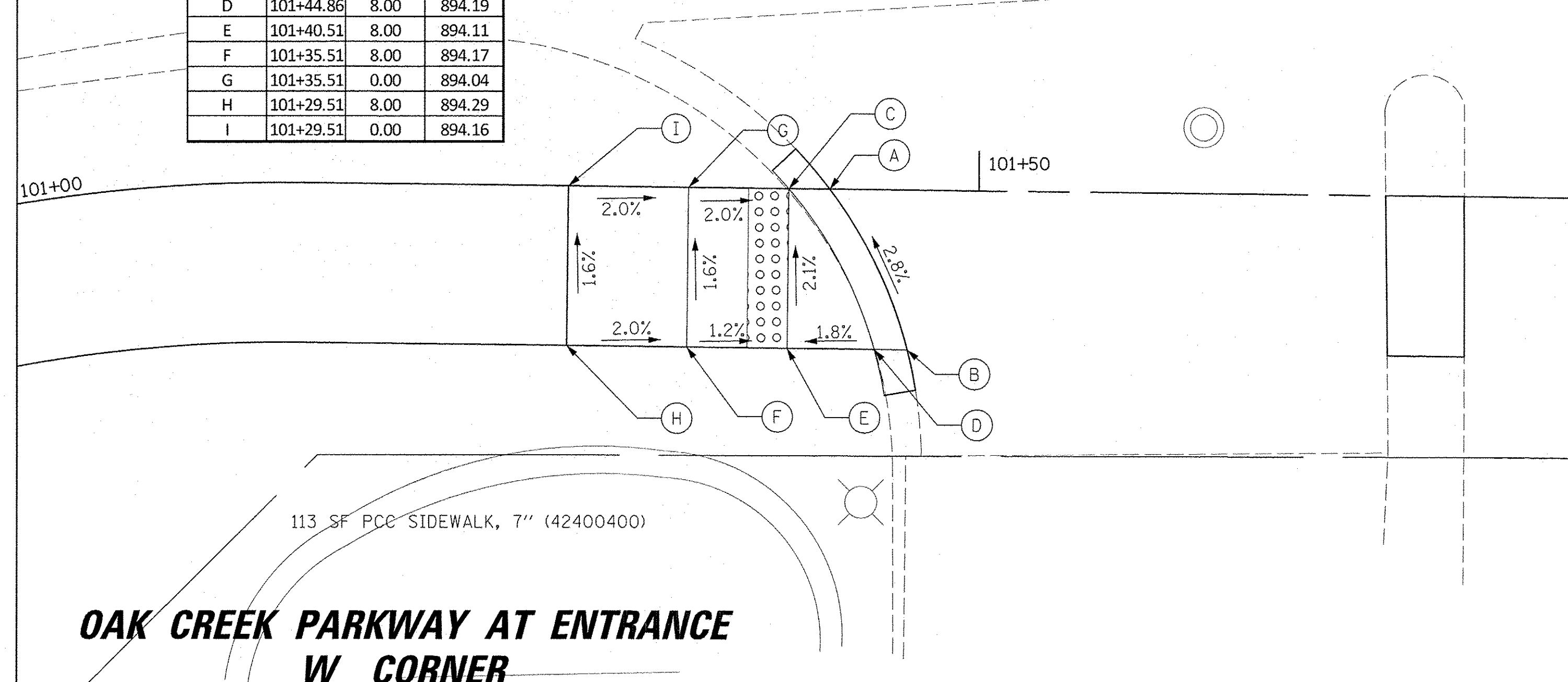
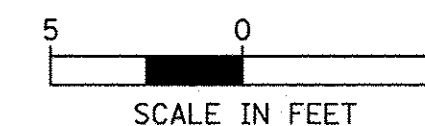
POINT	STA	OFFSET	ELEV
A	15+78.01	8.00	894.99
B	15+85.11	0.00	895.10
C	15+80.10	8.00	895.05
D	15+87.45	0.00	895.16
E	15+90.23	0.00	895.15
F	15+90.23	8.00	895.00
G	15+93.35	8.00	895.12
H	15+98.35	0.00	894.96



**OAK CREEK PKWY AT IL ROUTE 47
NE CORNER**

OAK CREEK PARKWAY

POINT	STA	OFFSET	ELEV
A	101+42.55	0.00	893.88
B	101+46.51	8.00	894.13
C	101+40.51	0.00	893.94
D	101+44.86	8.00	894.19
E	101+40.51	8.00	894.11
F	101+35.51	8.00	894.17
G	101+35.51	0.00	894.04
H	101+29.51	8.00	894.29
I	101+29.51	0.00	894.16



**OAK CREEK PARKWAY AT ENTRANCE
W CORNER**

FILE NAME =	USER NAME = jstirick	DESIGNED - SNS	REVISED -
N:\Huntley\070103\070103.00057\Civil\DET	070103.57.01_ADA.SHT	DRAWN - ELA	REVISED -
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	PLOT DATE = 11/2/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

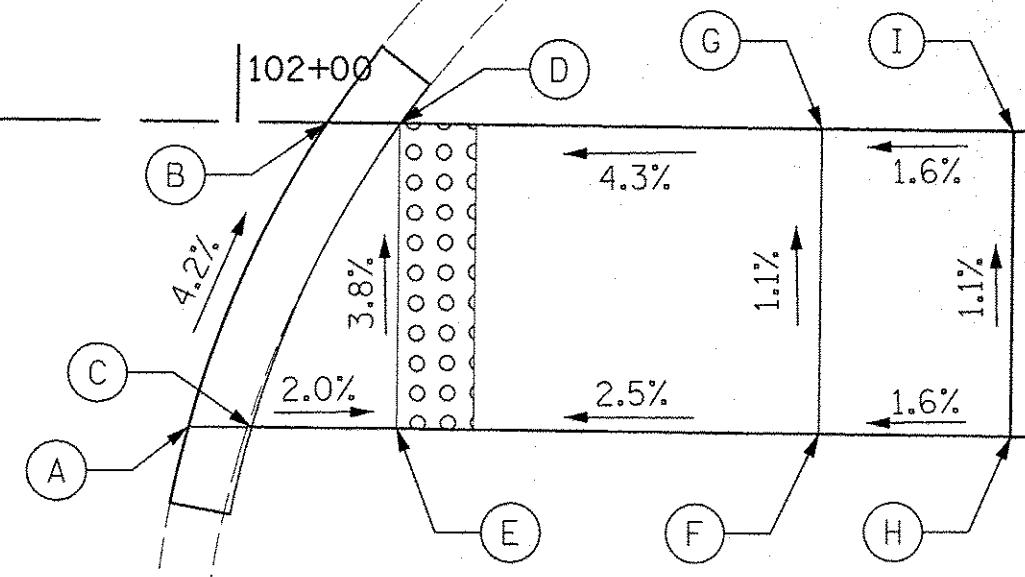
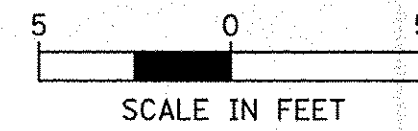
IL RTE 47 MULTI-USE PATH
SIDEWALK RAMP DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 72
				CONTRACT NO. 61D43
ILLINOIS FED. AID PROJECT				

OAK CREEK PARKWAY

POINT	STA	OFFSET	ELEV
A	101+98.80	8.00	894.15
B	102+02.33	0.00	893.78
C	102+00.44	8.00	894.21
D	102+04.24	0.00	893.84
E	102+04.24	8.00	894.14
F	102+15.24	8.00	894.41
G	102+15.24	0.00	894.32
H	102+20.24	8.00	894.49
I	102+20.24	0.00	894.40

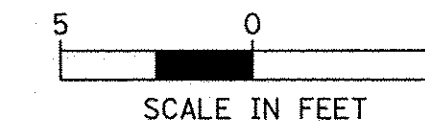


145 SF PCC SIDEWALK, 7" (42400400)

**OAK CREEK PARKWAY AT ENTRANCE
E CORNER**

OAK CREEK PARKWAY

POINT	STA	OFFSET	ELEV
A	103+25.98	0.00	895.46
B	103+31.09	8.00	895.50
C	103+23.98	0.00	895.52
D	103+29.32	8.00	895.56
E	103+21.22	0.00	895.54
F	103+21.22	8.00	895.60
G	103+12.91	0.00	895.60
H	103+12.91	8.00	895.68



111 SF PCC SIDEWALK, 7" (42400400)

**OAK CREEK PARKWAY AT ENTRANCE
W CORNER**

IL 47

POINT	STA	OFFSET	ELEV
A	29+64.98	0.00	896.88
B	29+82.33	10.05	896.70
C	29+57.71	0.00	897.05
D	29+77.96	10.04	896.78
E	29+50.51	0.00	897.20
F	29+50.51	10.00	897.11
G	29+44.47	0.00	897.30
H	29+44.45	10.00	897.15

242 SF PCC SIDEWALK, 7" (42400400)

**HUNTLEY CROSSINGS DR AT IL ROUTE 47
SE CORNER**

IL 47

POINT	STA	OFFSET	ELEV
A	31+35.88	0.00	898.29
B	31+20.65	10.01	897.57
C	31+41.88	0.00	898.35
D	31+24.75	10.01	897.63
E	31+47.17	0.00	898.43
F	31+47.17	10.00	898.23
G	31+57.67	0.00	898.58
H	31+57.67	10.00	898.38

250 SF PCC SIDEWALK, 7" (42400400)

**HUNTLEY CROSSINGS DR AT IL ROUTE 47
NE CORNER**

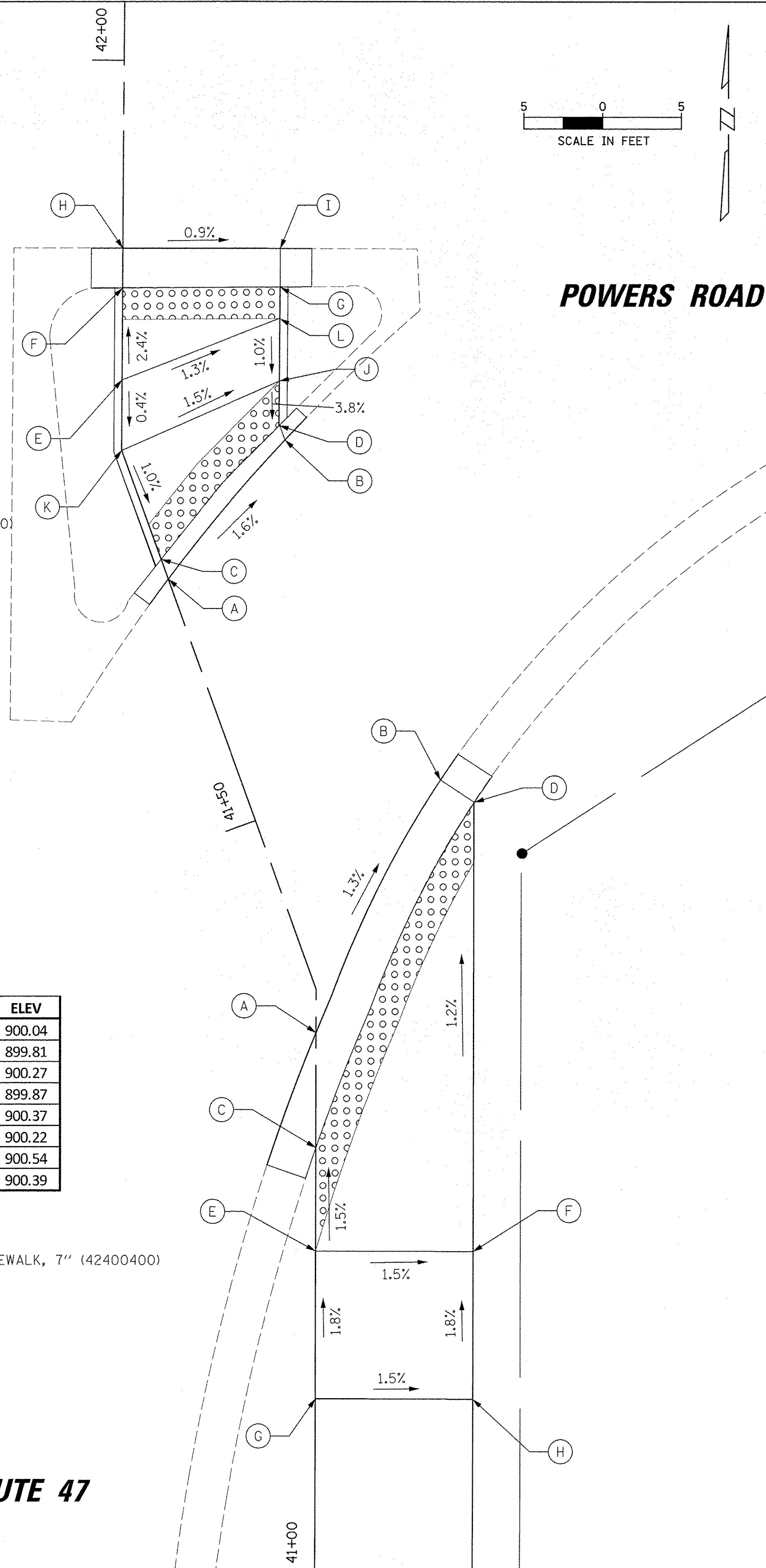
POINT	STA	OFFSET	ELEV
A	41+66.37	0.00	900.25
B	41+72.22	10.00	900.07
C	41+67.71	0.00	900.31
D	41+73.22	10.00	900.13
E	41+79.63	0.00	900.42
F	41+85.47	0.00	900.28
G	41+85.61	10.00	900.19
H	41+88.01	0.00	900.22
I	41+88.06	10.00	900.13
J	41+79.63	10.00	900.24
K	41+75.10	0.00	900.4
L	41+83.63	10.00	900.28

IL 47

130 SF PCC SIDEWALK, 7" (42400400)

POINT	STA	OFFSET	ELEV
A	41+35.86	0.00	900.04
B	41+48.49	11.94	899.81
C	41+28.46	0.00	900.27
D	41+46.42	13.49	899.87
E	41+21.95	0.00	900.37
F	41+21.95	10.00	900.22
G	41+12.51	0.00	900.54
H	41+12.51	10.00	900.39

281 SF PCC SIDEWALK, 7" (42400400)



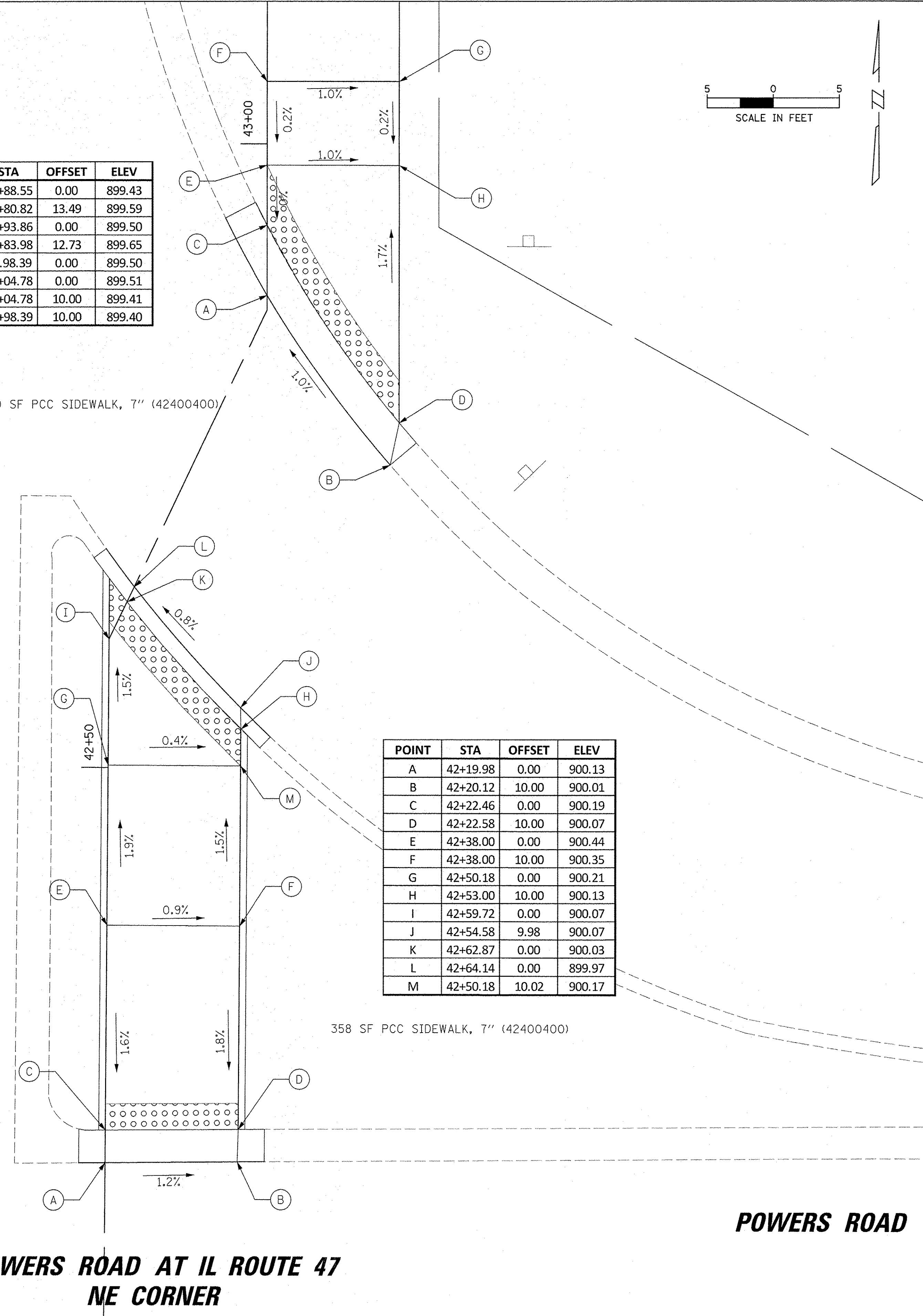
**POWERS ROAD AT IL ROUTE 47
SE CORNER**

POINT	STA	OFFSET	ELEV
A	42+88.55	0.00	899.43
B	42+80.82	13.49	899.59
C	42+93.86	0.00	899.50
D	42+83.98	12.73	899.65
E	42+98.39	0.00	899.50
F	43+04.78	0.00	899.51
G	43+04.78	10.00	899.41
H	42+98.39	10.00	899.40

190 SF PCC SIDEWALK, 7" (42400400)

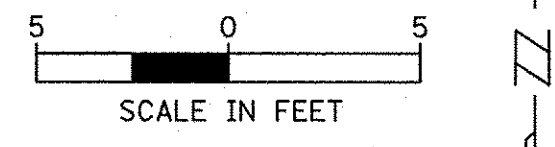
POINT	STA	OFFSET	ELEV
A	42+19.98	0.00	900.13
B	42+20.12	10.00	900.01
C	42+22.46	0.00	900.19
D	42+22.58	10.00	900.07
E	42+38.00	0.00	900.44
F	42+38.00	10.00	900.35
G	42+50.18	0.00	900.21
H	42+53.00	10.00	900.13
I	42+59.72	0.00	900.07
J	42+54.58	9.98	900.07
K	42+62.87	0.00	900.03
L	42+64.14	0.00	899.97
M	42+50.18	10.02	900.17

358 SF PCC SIDEWALK, 7" (42400400)



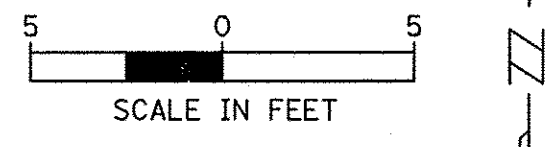
**POWERS ROAD AT IL ROUTE 47
NE CORNER**

POINT	STA	OFFSET	ELEV
A	202+04.20	4.88	891.07
B	202+08.85	0.00	891.10
C	202+05.58	5.12	891.13
D	202+11.09	0.00	891.16
E	202+13.87	0.00	891.22
F	202+13.87	6.00	891.28
G	202+18.87	0.00	891.32
H	202+18.87	6.00	891.38



62 SF PCC SIDEWALK, 7" (42400400)

**DRIVEWAY AT REGENCY PARKWAY
E CORNER**

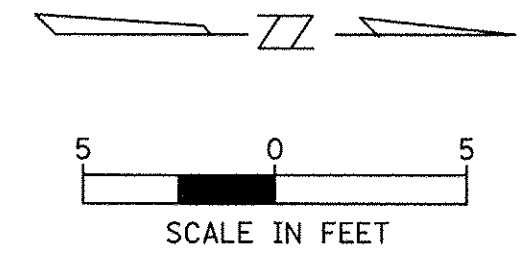


KREUTZER ROAD

POINT	STA	OFFSET	ELEV
A	74+78.83	0.00	882.05
B	74+86.22	10.00	881.70
C	74+75.30	0.00	882.11
D	74+83.19	10.00	881.76
E	74+72.47	10.00	881.97
F	74+64.45	0.00	882.33
G	74+64.45	10.00	882.13
H	74+72.47	0.00	882.17

151 SF PCC SIDEWALK, 7" (42400400)

IL ROUTE 47



76+00

**KREUTZER ROAD AT IL ROUTE 47
NE CORNER**

POINT	STA	OFFSET	ELEV
A	76+00.62	10.11	880.08
B	76+10.99	0.00	880.22
C	76+03.24	11.92	880.14
D	76+17.34	0.00	880.30
E	76+08.78	16.12	880.28
F	76+16.40	8.82	880.44
G	76+18.61	7.89	880.52
H	76+11.18	24.67	880.48
I	76+19.53	24.13	880.48
J	76+11.78	36.65	880.76
K	76+20.31	36.10	880.60
L	76+18.36	4.44	88.27
M	76+19.89	1.34	880.33
N	76+24.86	4.17	880.59
O	76+26.26	7.81	880.60
P	76+23.29	6.55	880.32
Q	76+24.47	3.32	880.76
R	76+12.97	2.78	880.28
S	76+12.13	43.71	880.76
T	76+20.77	43.15	880.60

400 SF PCC SIDEWALK, 7" (42400400)

IL ROUTE 47

**KREUTZER ROAD AT IL ROUTE 47
SE CORNER**

KREUTZER RD

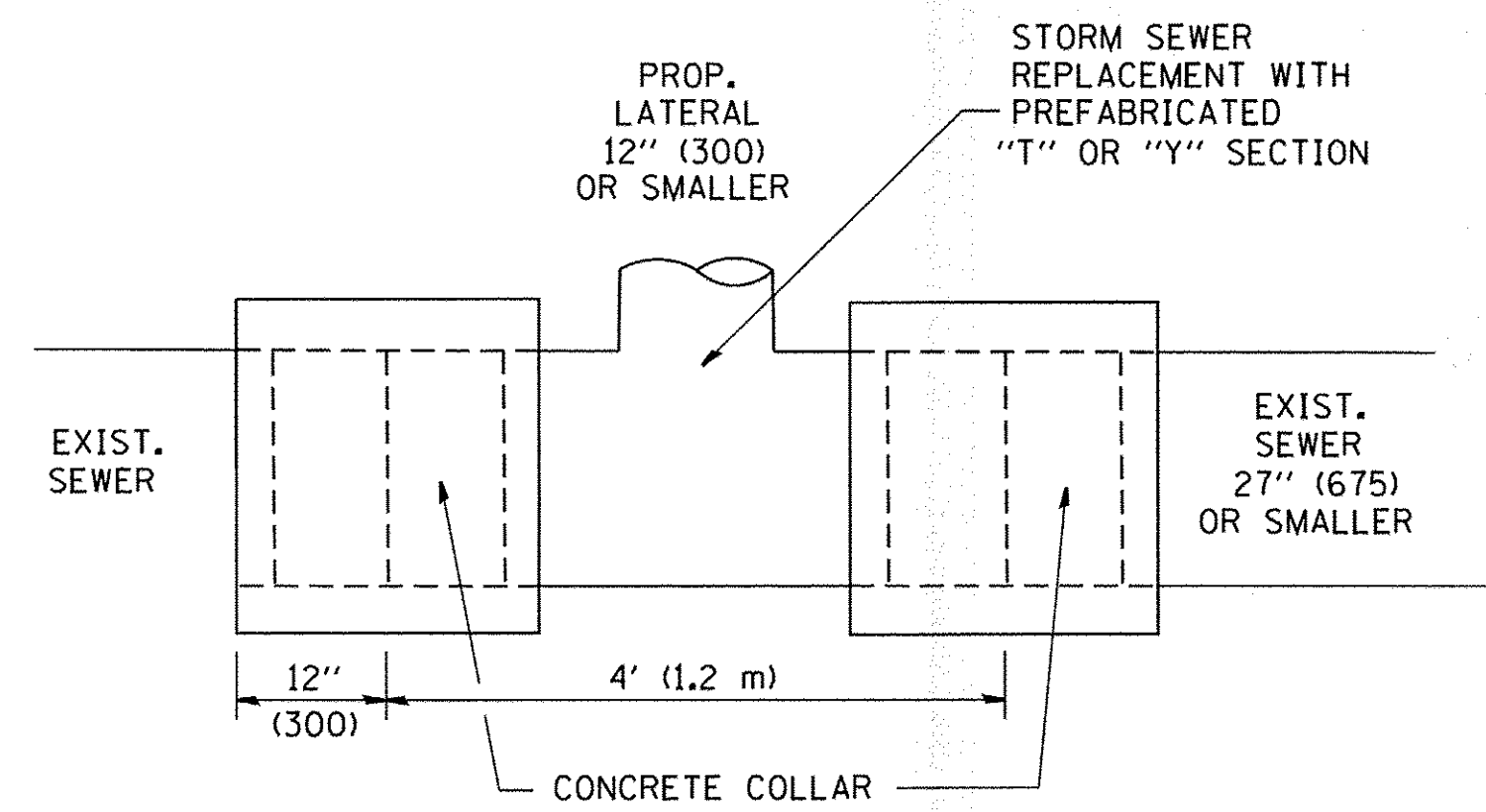
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Default	PLOT SCALE = 5'	CHECKED - MEK	REVISED -
	PLOT DATE = 11/22/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 47 MULTI-USE PATH
SIDEWALK RAMP DETAILS**

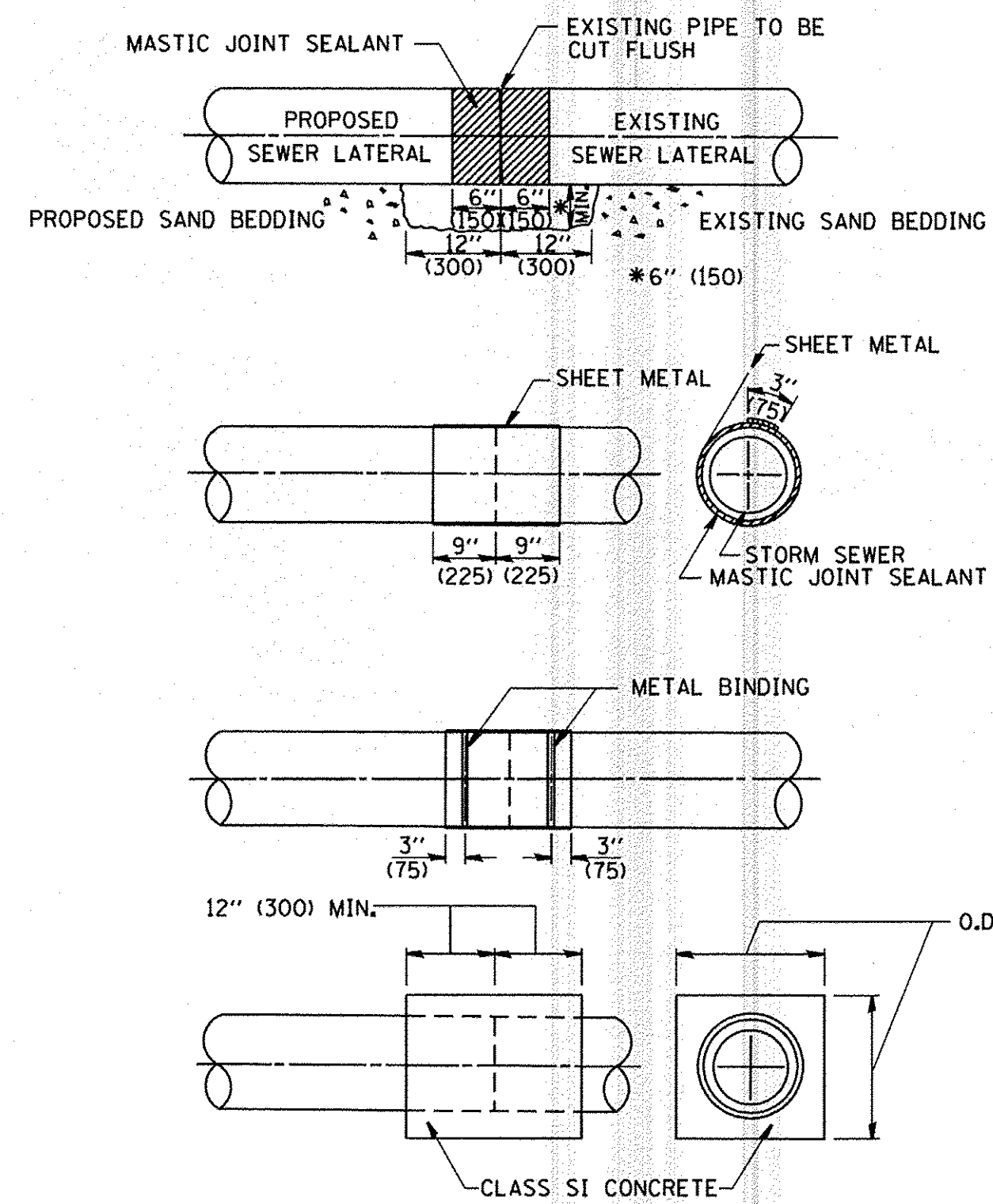
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	14-00041-00-BT	KANE	106	77
			CONTRACT NO. 61D43	
ILLINOIS FED. AID PROJECT				



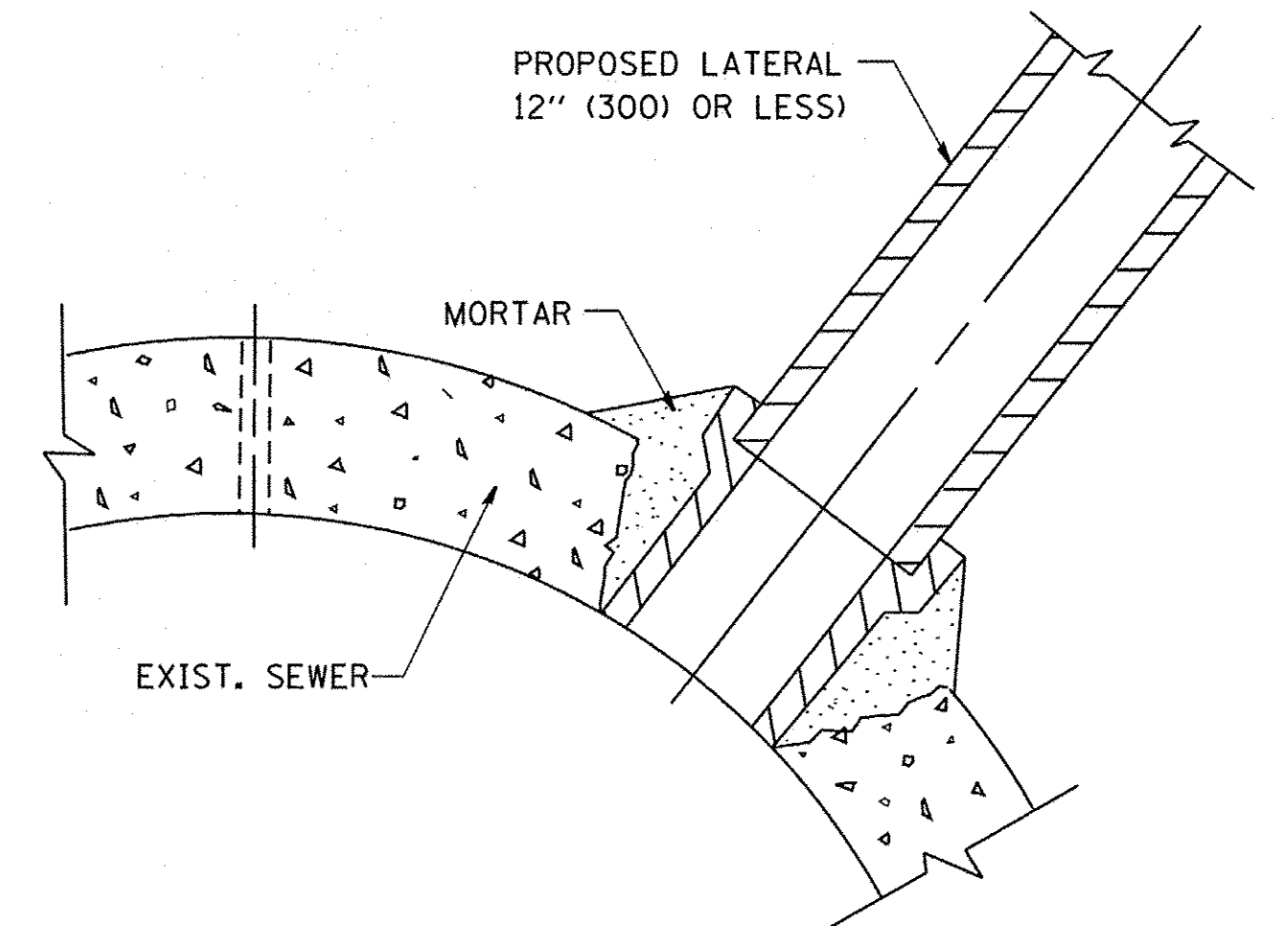
DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER



DETAIL "B"

CLASS SI CONCRETE COLLAR



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

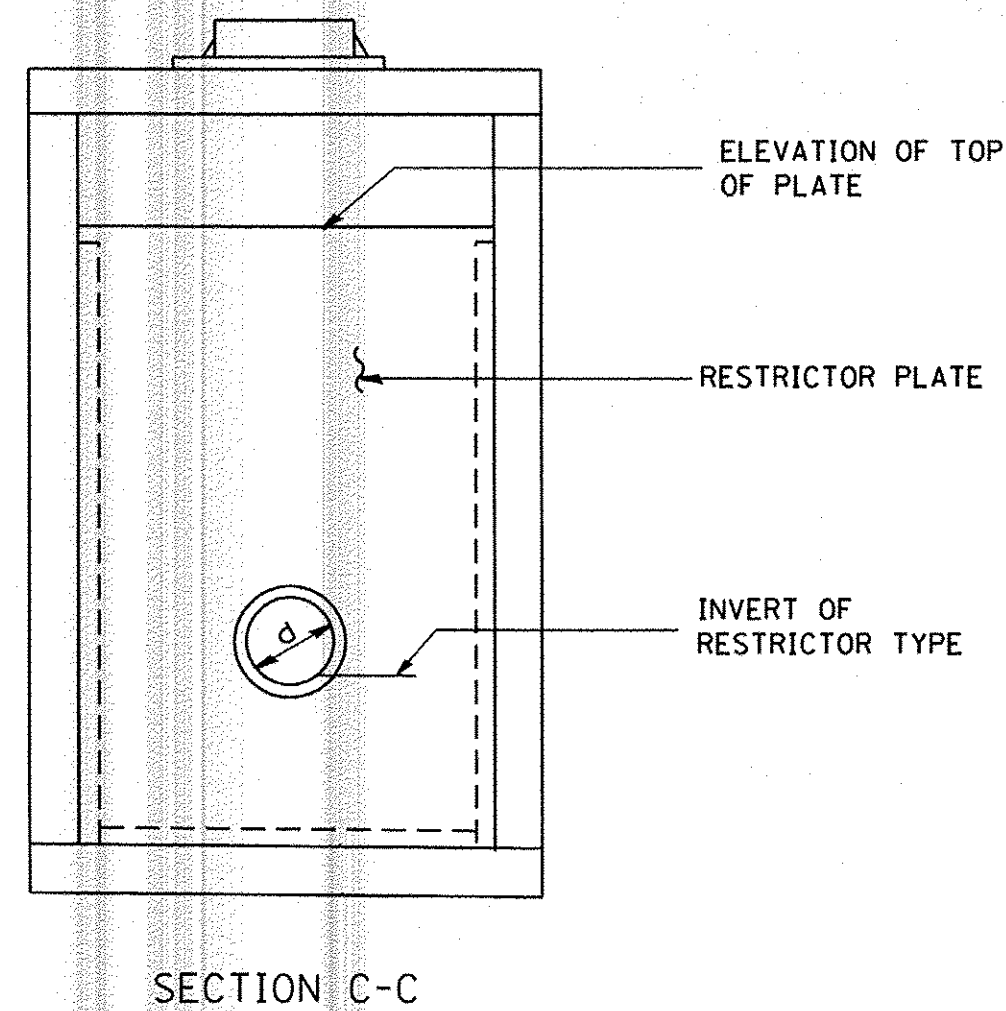
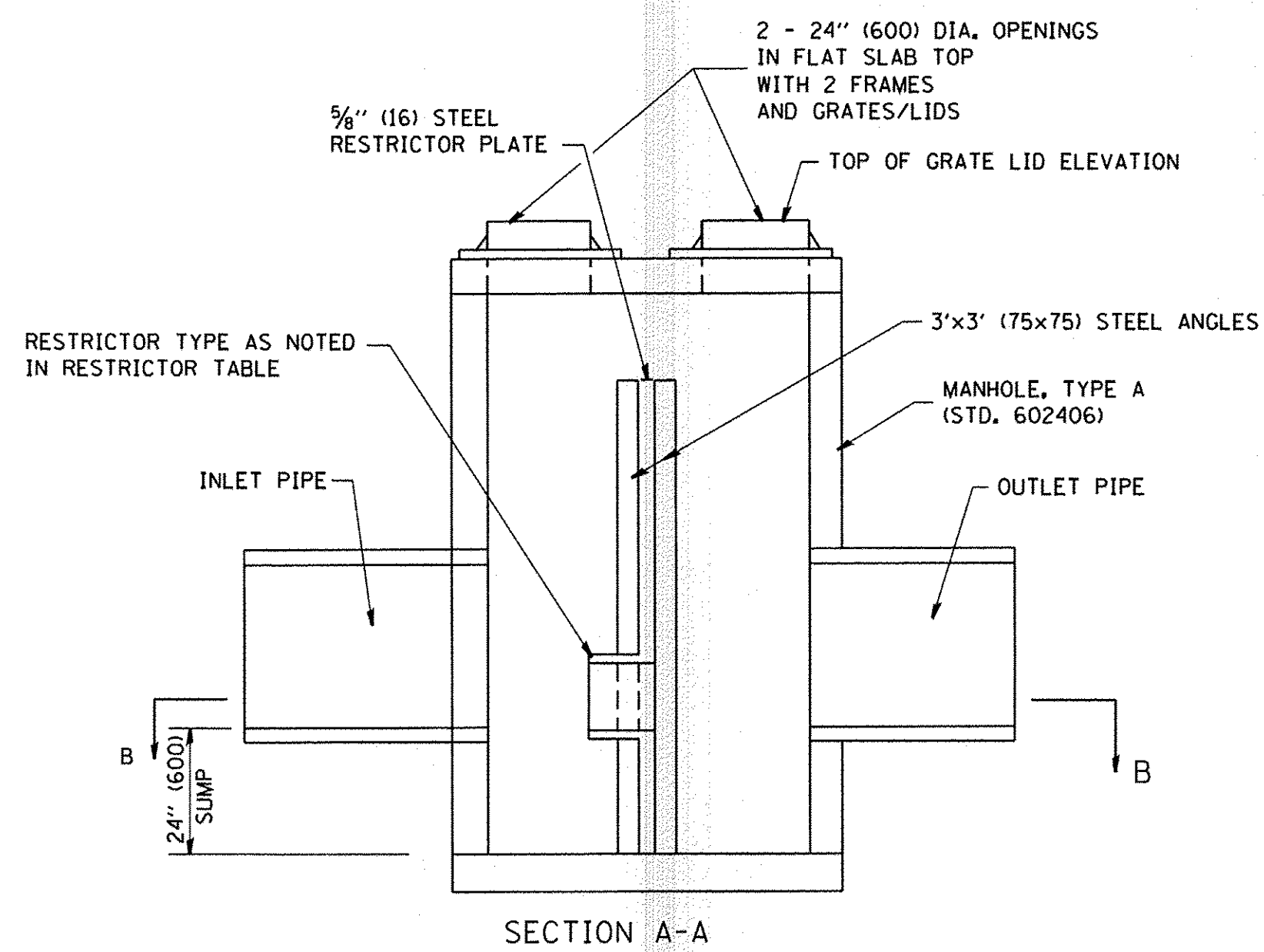
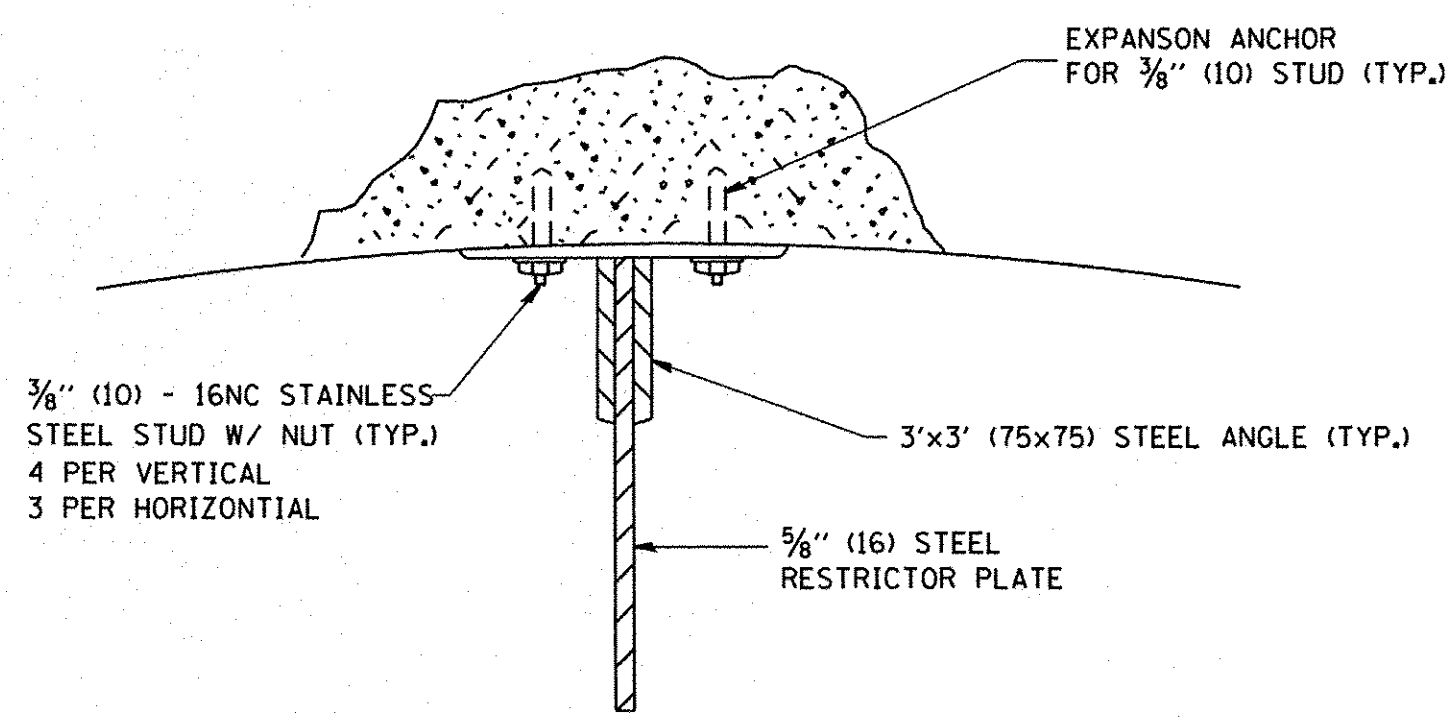
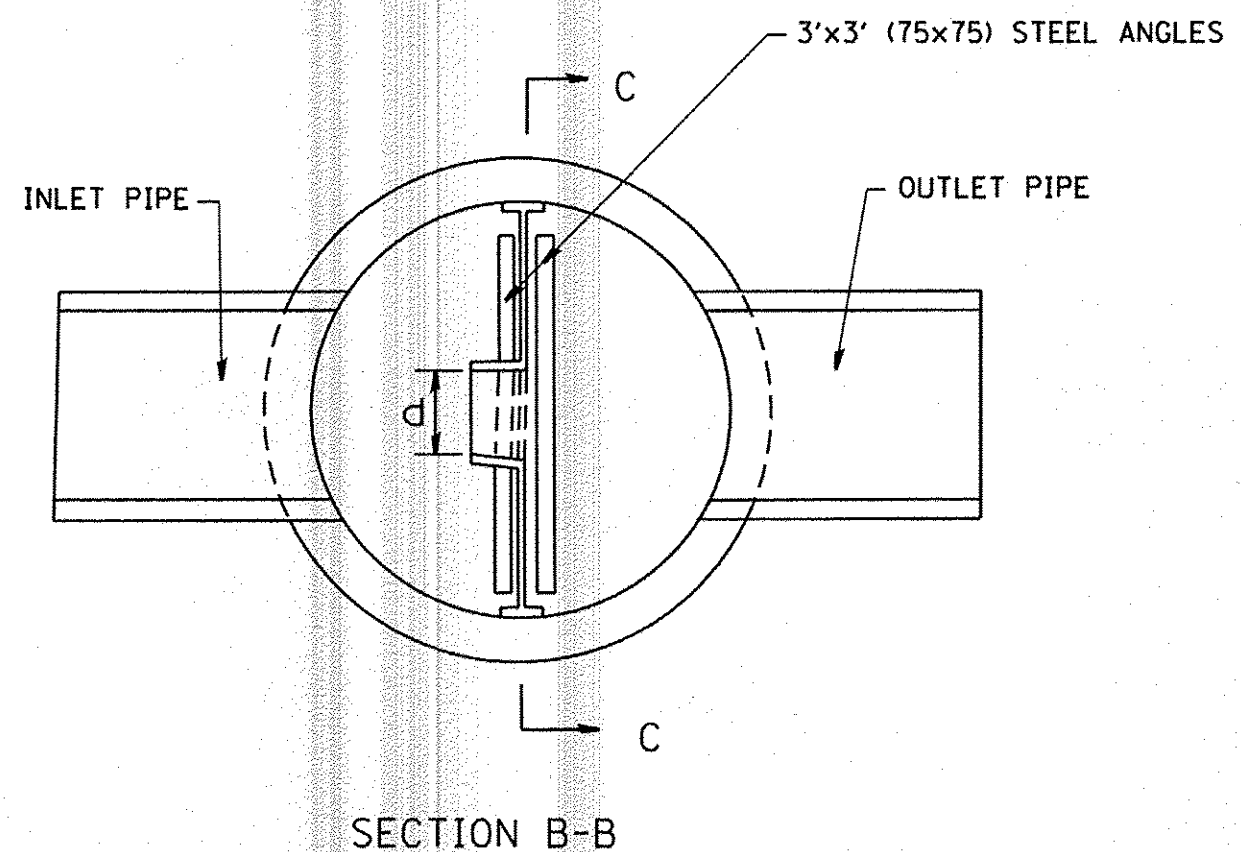
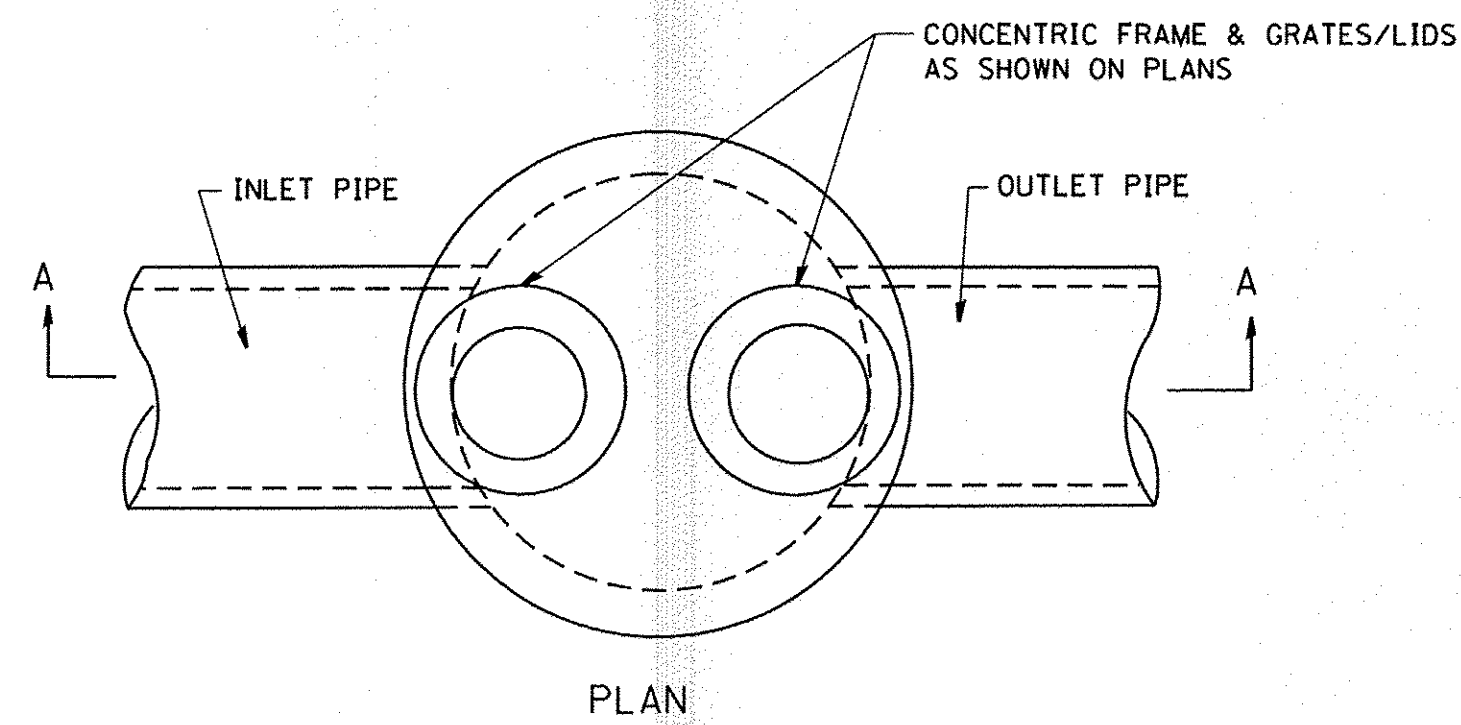
REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

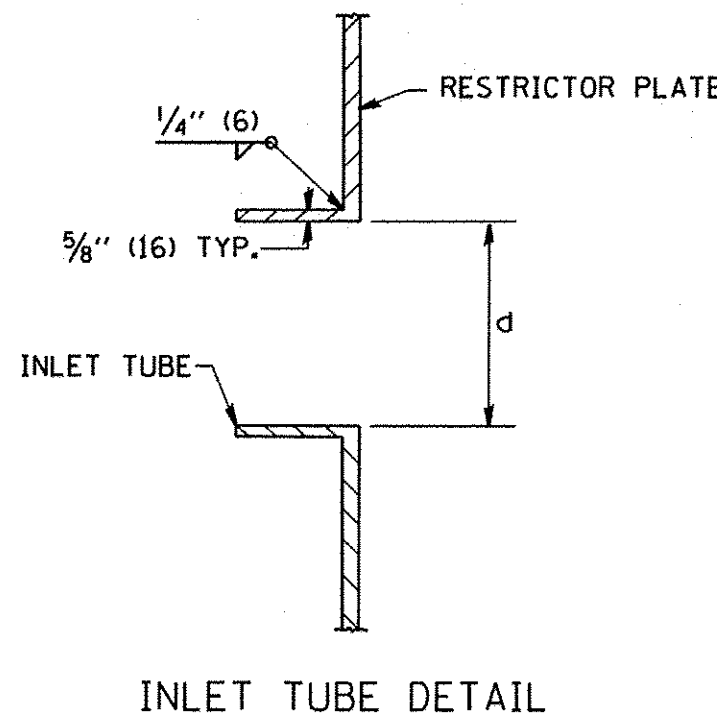
CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

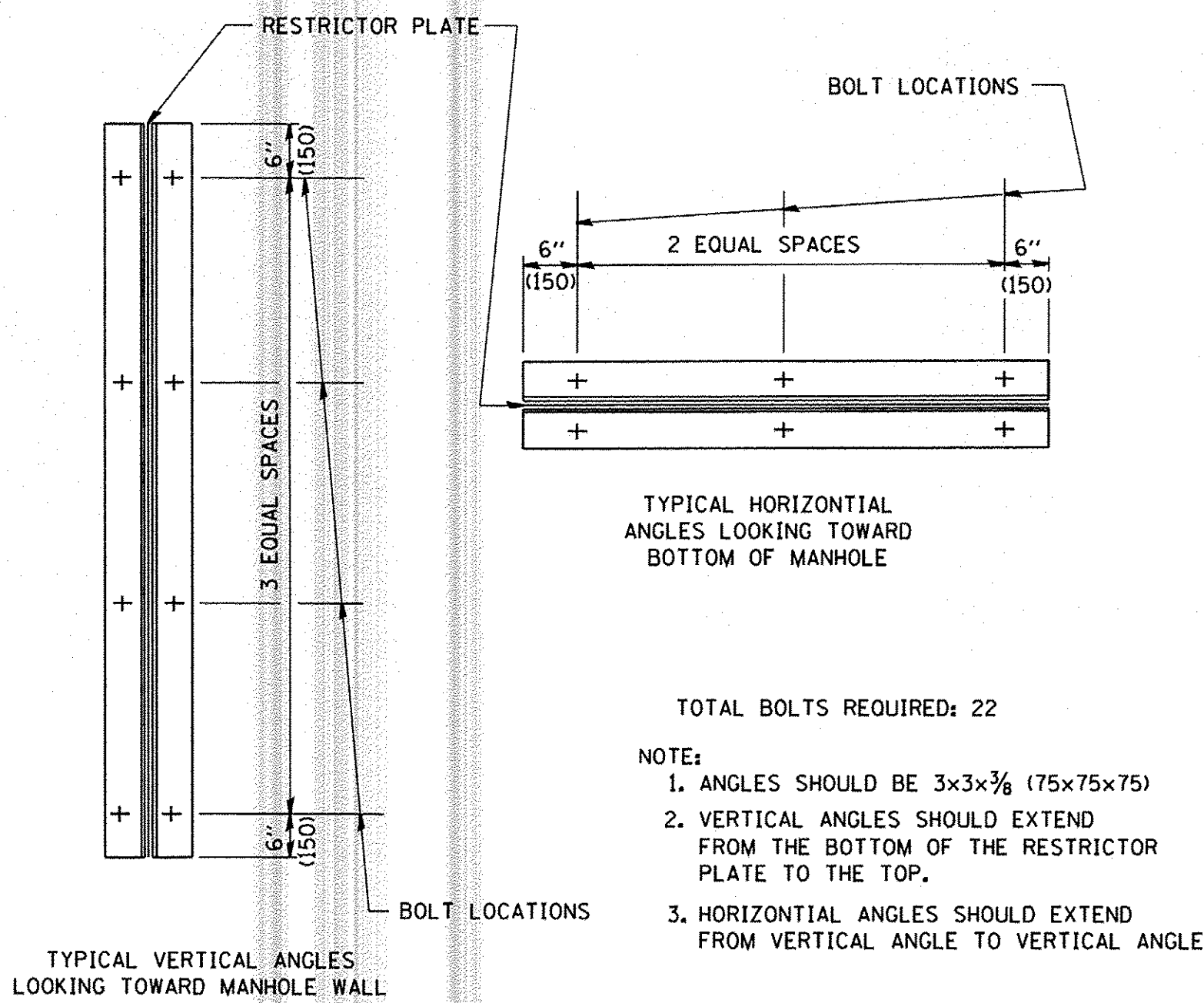
FILE NAME =	USER NAME = jstirick	DESIGNED - SNS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 47 MULTI-USE PATH DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER	F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 78	
Default	PLOT SCALE = 1'	CHECKED - MEK	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 61D43		
	PLOT DATE = 11/2/2016	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 3. BASIS OF PAYMENT: "MANHOLES TYPE A, 6 FT. (1.8 m) DIAMETER, TYPE I FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER in. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW



RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: 1/2 TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-1/2 DIA.	LENGTH: 2-1/2 DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98
VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES					

FILE NAME = N:\Huntley\070103\070103.00057\Civil\STD	USER NAME = jstrick	DESIGNED - SNS	REVISED - _____
DET_070103_57-01.SHT	PLOT SCALE = 1'	DRAWN - ELA	REVISED - _____
Default	PLOT DATE = 11/2/2016	CHECKED - MEK	REVISED - _____
		DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 47 MULTI-USE PATH
MANHOLE WITH RESTRICTOR PLATE**

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

F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 79
CONTRACT NO. 61D43				
ILLINOIS FED. AID PROJECT				

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

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

3" (75) MIN.

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

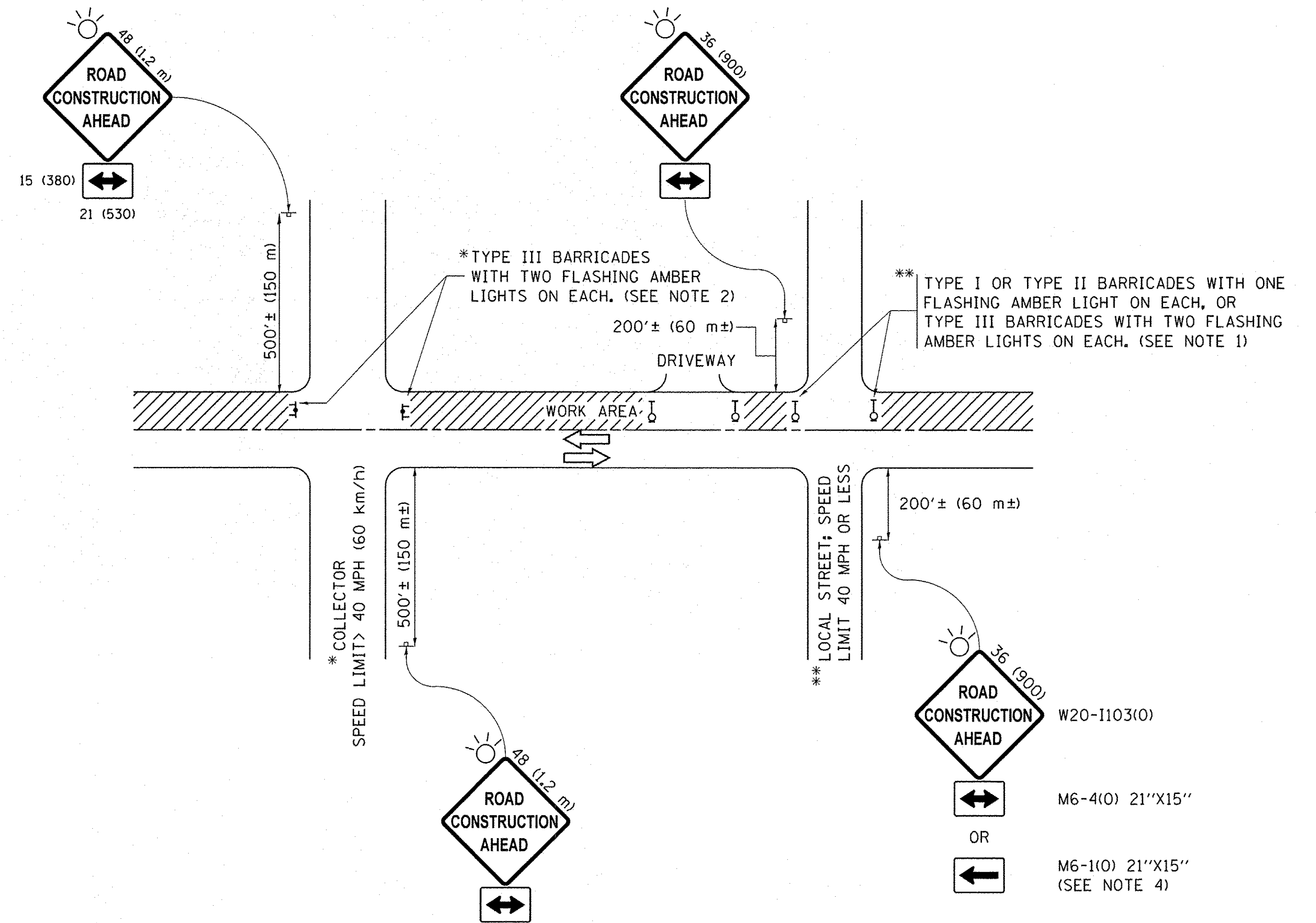
BASIS OF PAYMENT:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = jstrick	DESIGNED - SNS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 47 MULTI-USE PATH CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\Huntley\070103\070103.00057\Civil\STD	DET_070103_57-02.SHT	DRAWN - ELA	REVISED -			0326	14-00041-00-BT	KANE	106	80	
Default	PLOT SCALE = 1"	CHECKED - MEK	REVISED -			SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 61D43			
	PLOT DATE = 11/2/2016	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



NOTES:

- 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:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - 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.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - 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.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- 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).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

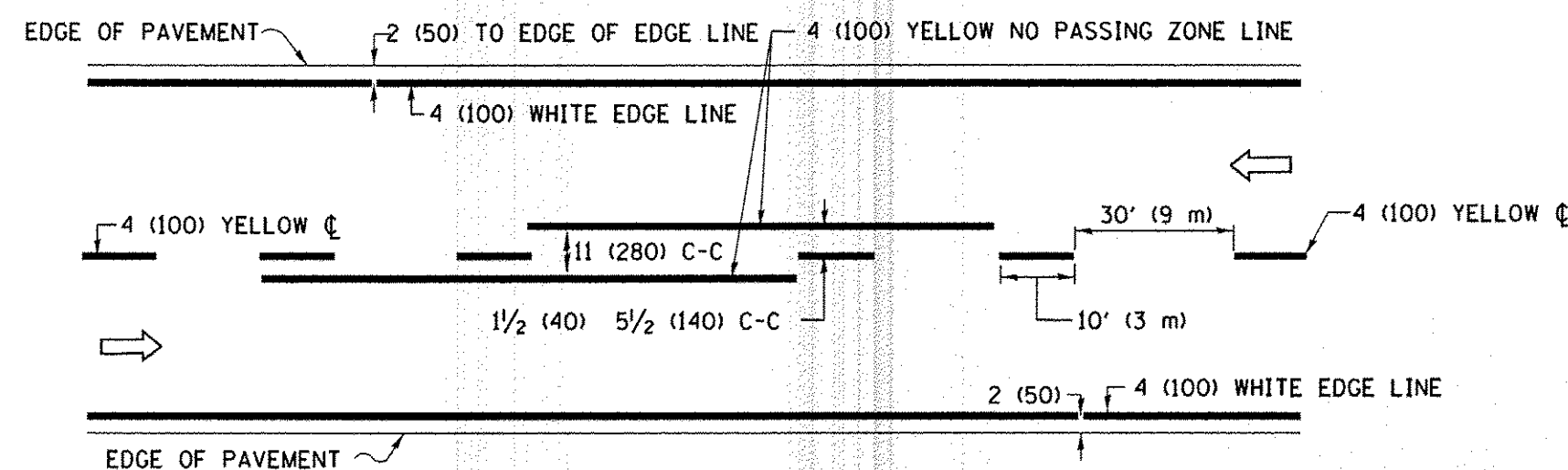
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	PLOT DATE = 11/2/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

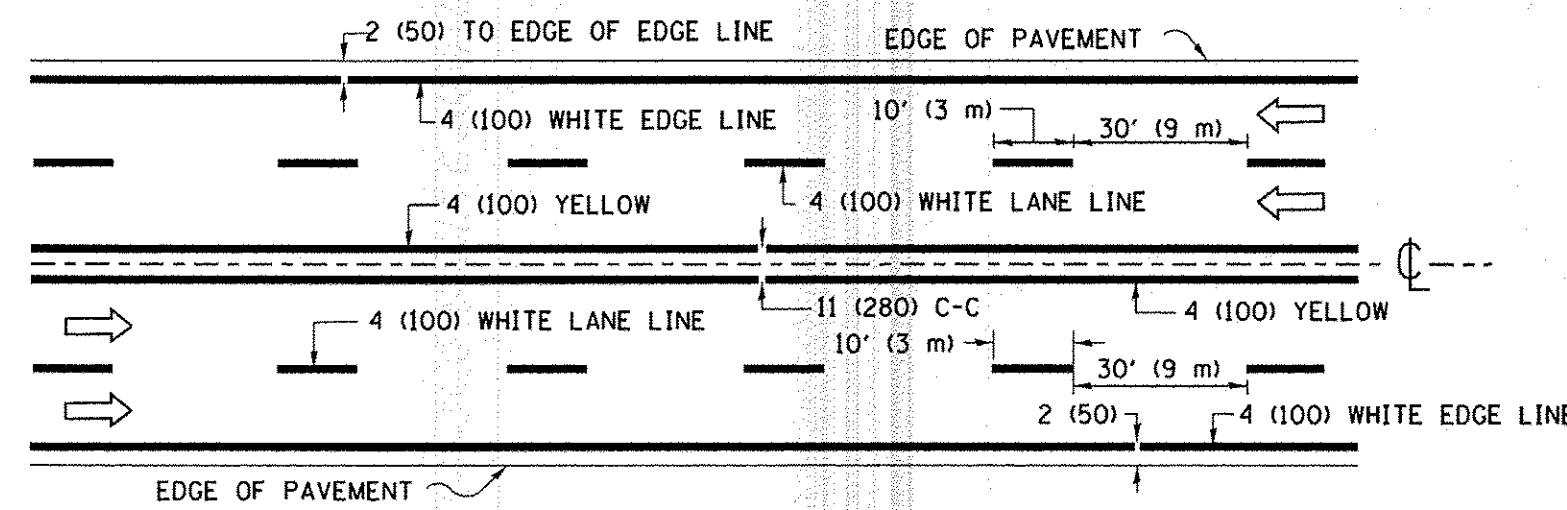
IL RTE 47 MULTI-USE PATH
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS,
INTERSECTIONS AND DRIVEWAYS

SCALE: SHEET OF SHEETS STA. TO STA.

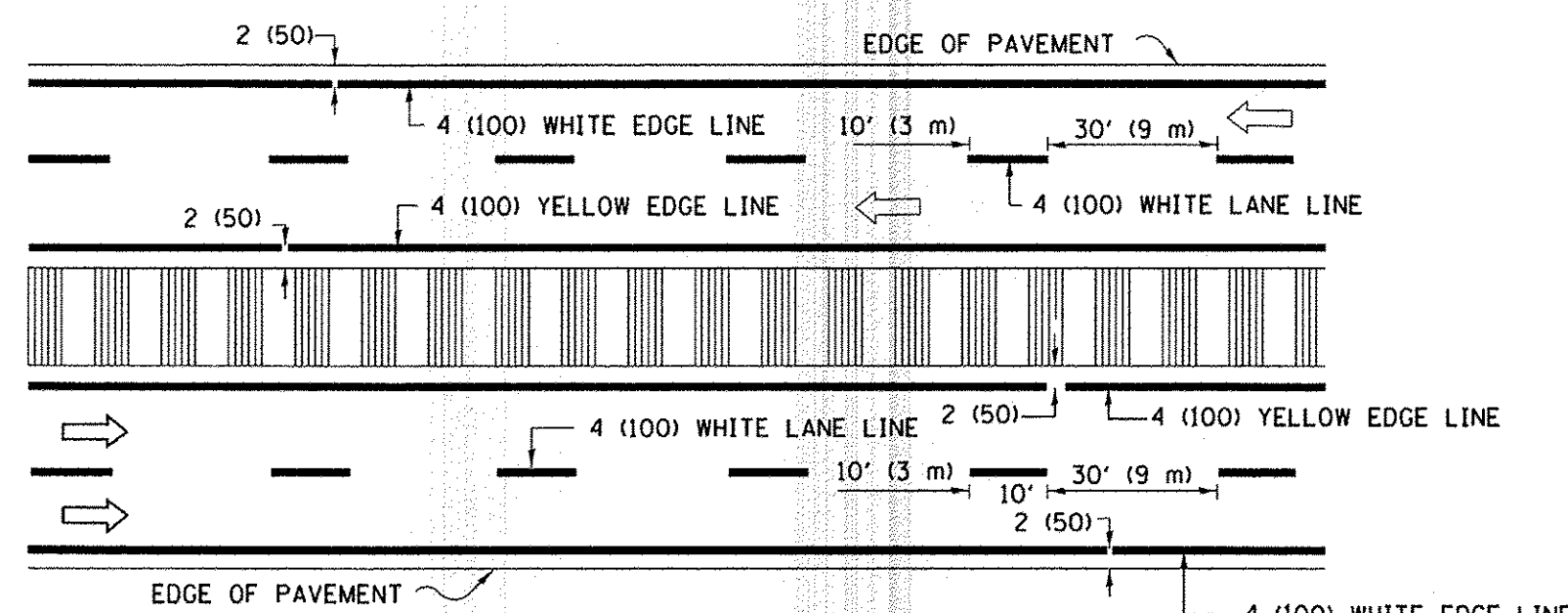
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	14-00041-00-BT	KANE	106	81
				CONTRACT NO. 61D43
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

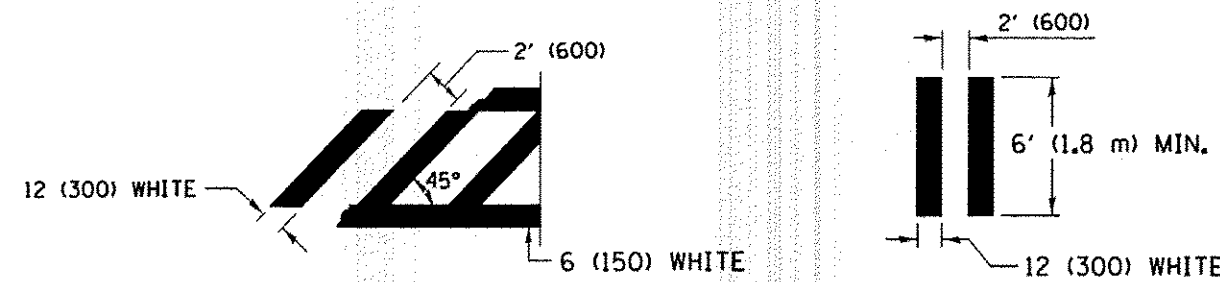
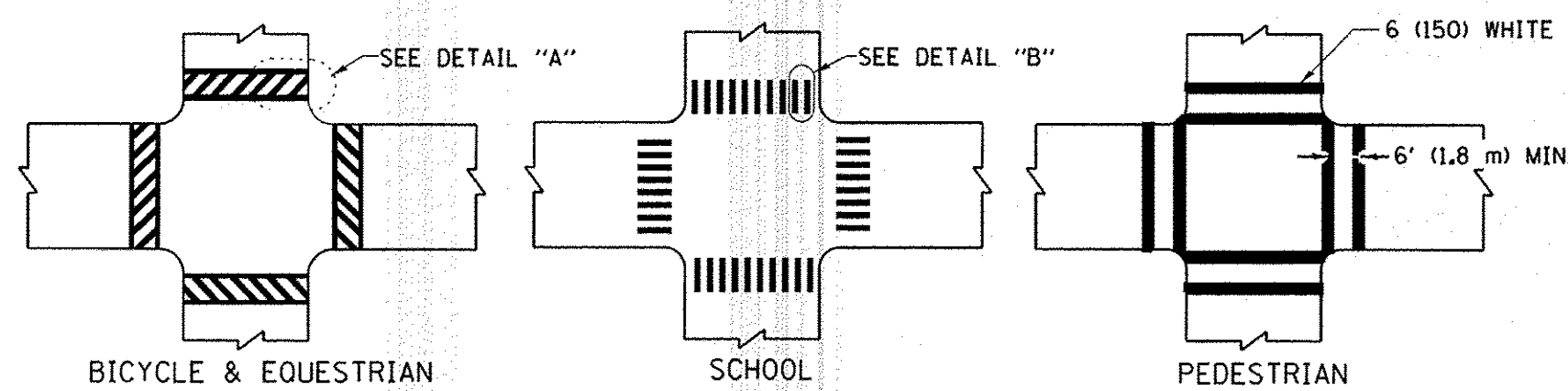


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

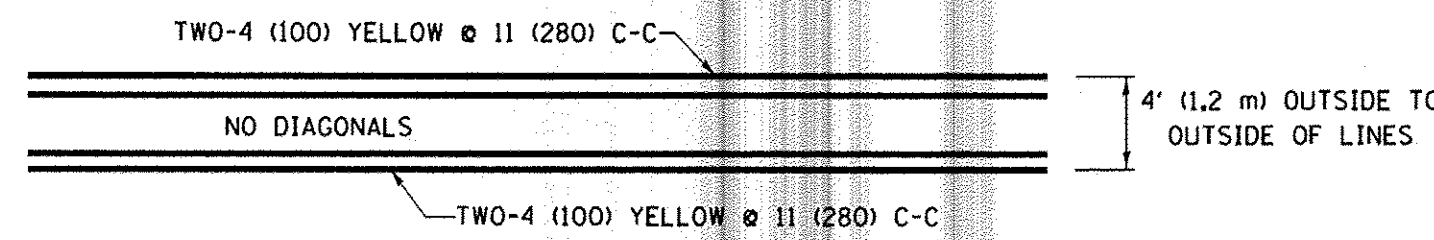


DETAIL "A"

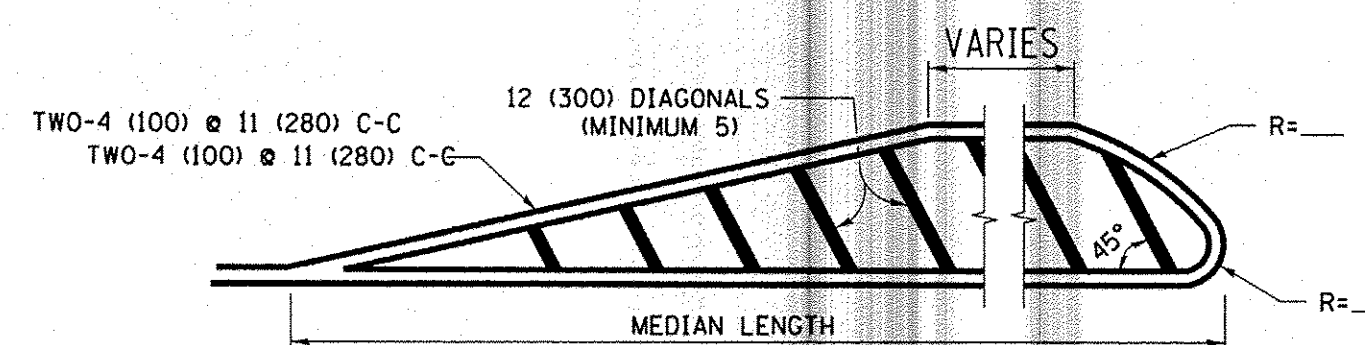
DETAIL "B"

TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



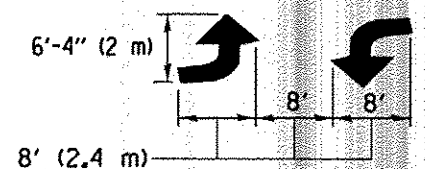
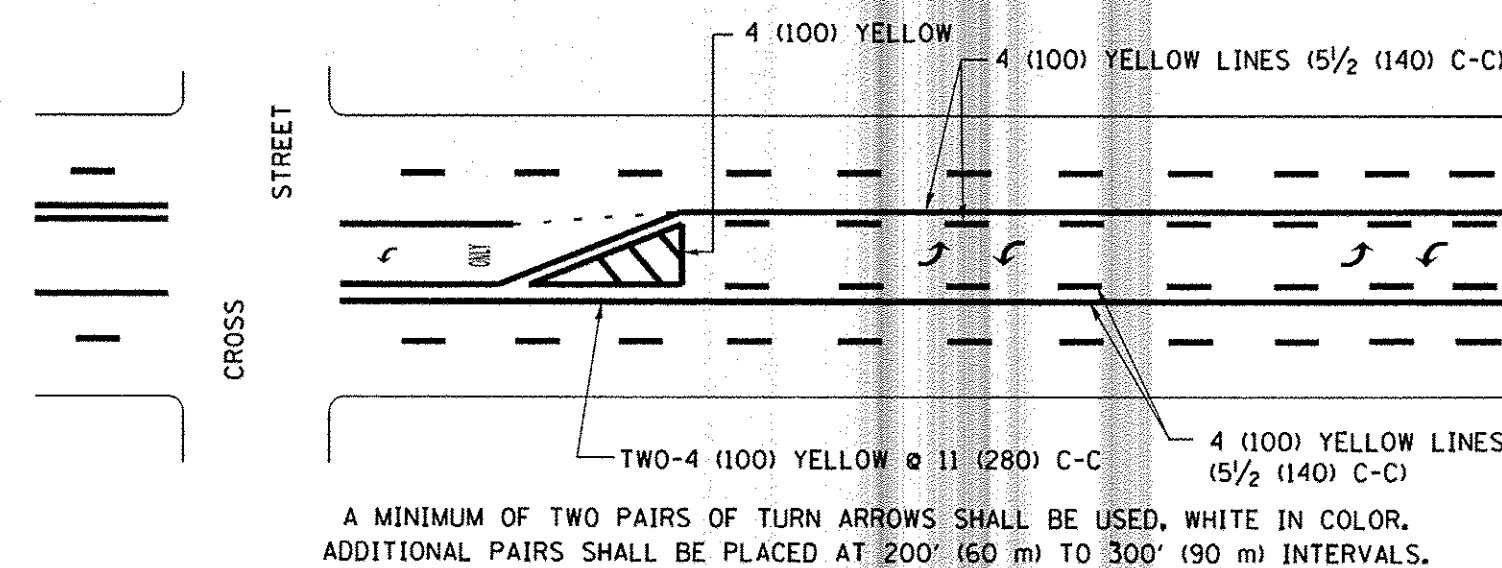
4' (1.2 m) WIDE MEDIANS ONLY



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

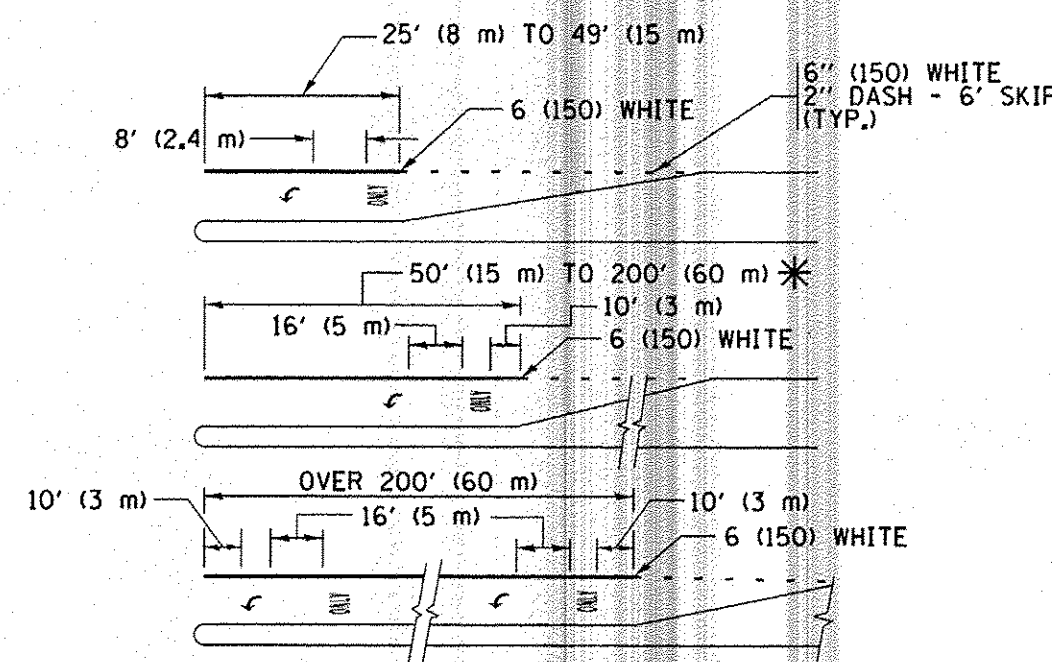
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

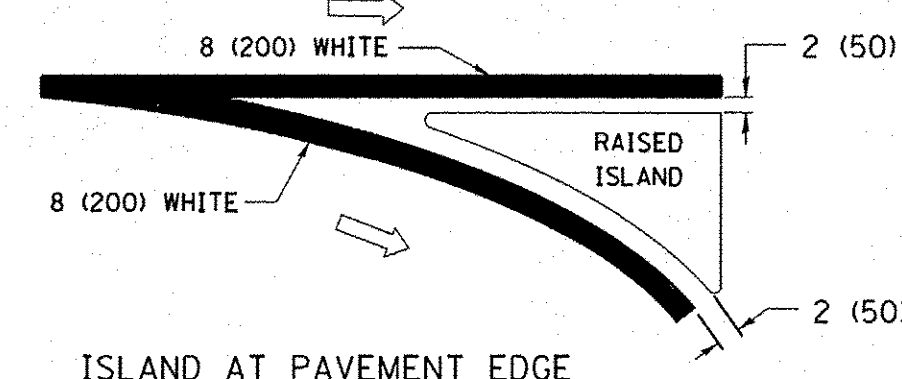
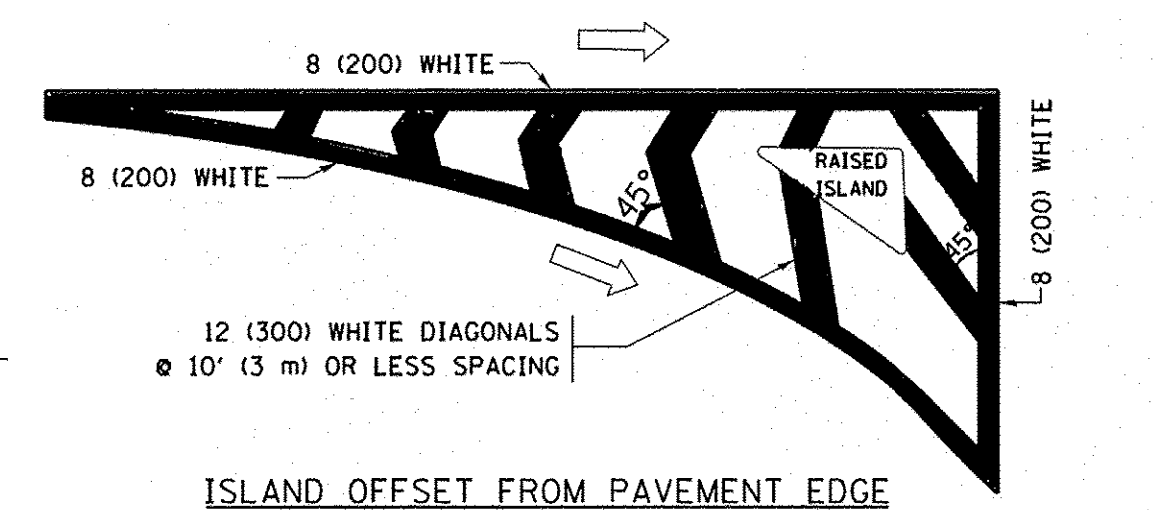


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

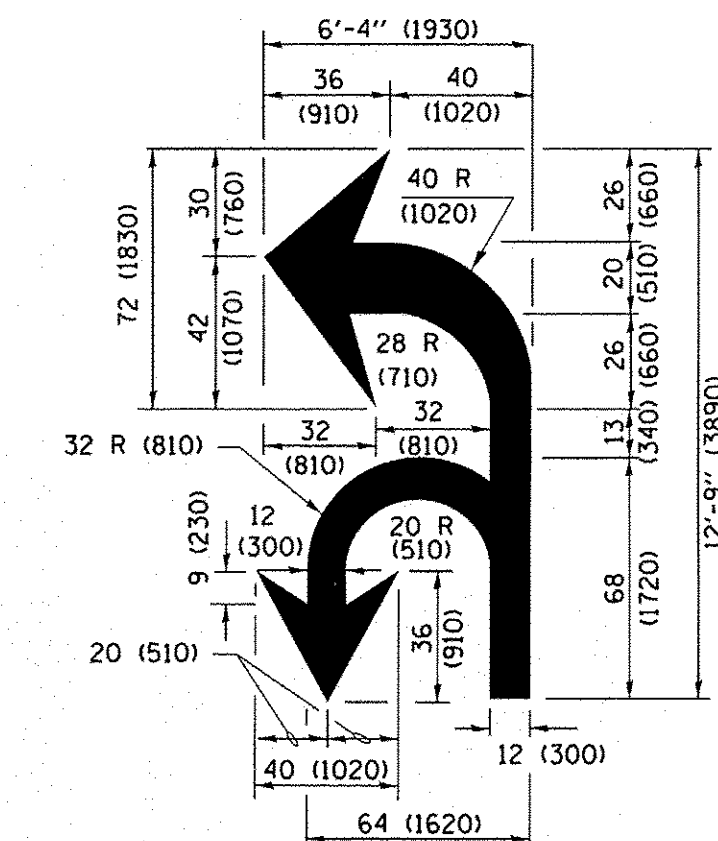
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

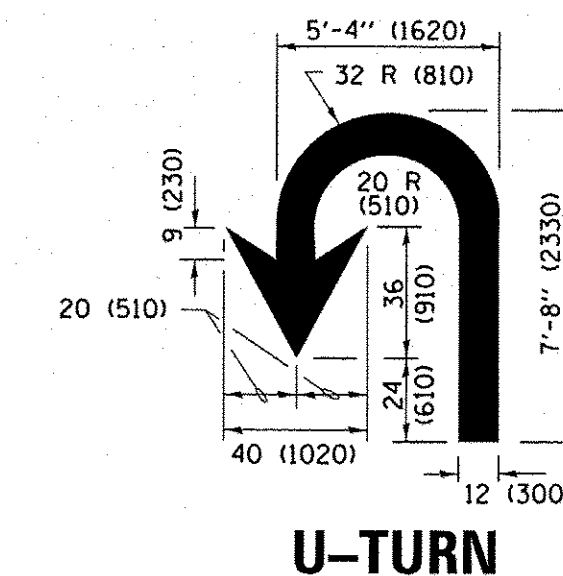
TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

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 1/2 (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 MEDIANS IN YELLOW
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 1/2 (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 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.
CORE 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 (REQUIRED FOR SHOULDERS ≥ 8')	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))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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.

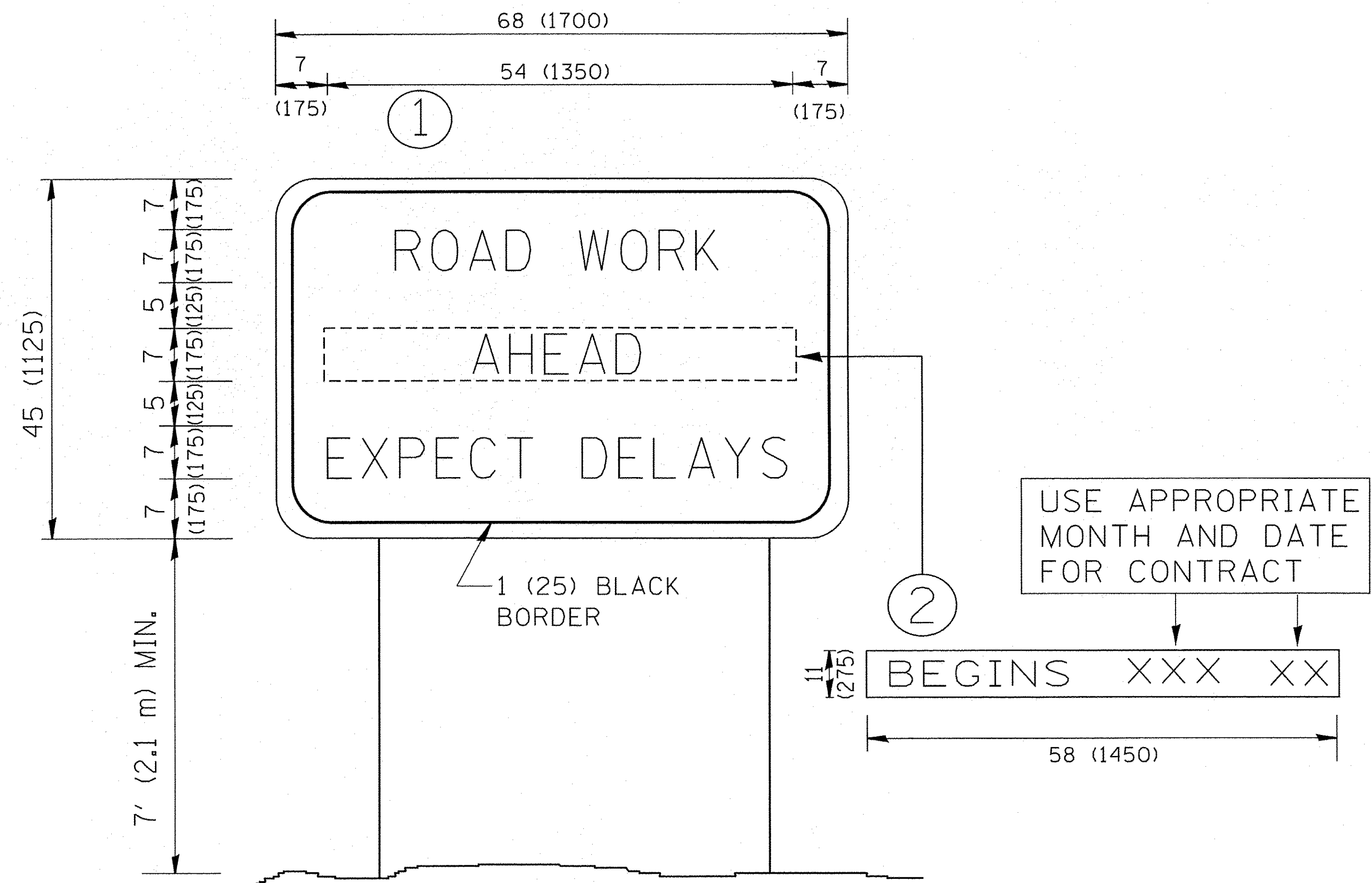
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Default	PLOT SCALE = 1'	CHECKED - MEK	REVISED -
	PLOT DATE = 11/2/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 47 MULTI-USE PATH
DISTRICT ONE TYPICAL PAVEMENT MARKINGS**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	14-00041-00-BT	KANE	106	82
				CONTRACT NO. 61D43
ILLINOIS FED. AID PROJECT				



NOTES:

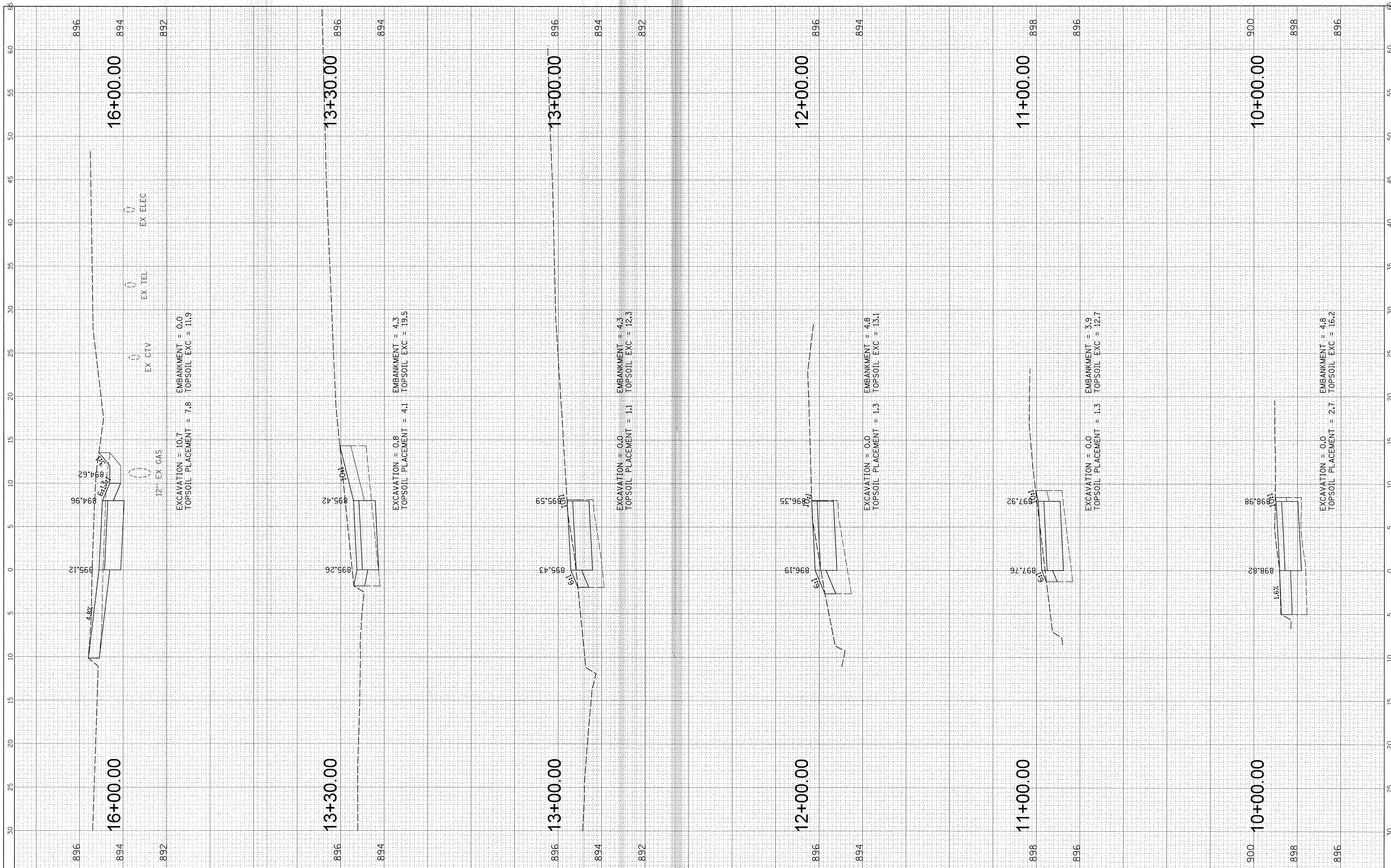
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
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.

FILE NAME = N:\Huntley\070103\070103.00057\Civil\STD	USER NAME = jstirick DET_070103.57-05.SHT	DESIGNED - SNS DRAWN - ELA CHECKED - MEK DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 47 MULTI-USE PATH ARTERIAL ROAD INFORMATION SIGN		F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 83
Default	PLOT SCALE = 1" PLOT DATE = 11/2/2016				SCALE:	SHEET OF	SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 61D43			

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

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	DATE		
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 CHECKED - JGS
 DATE - 11/2/2016

REVISIONS:
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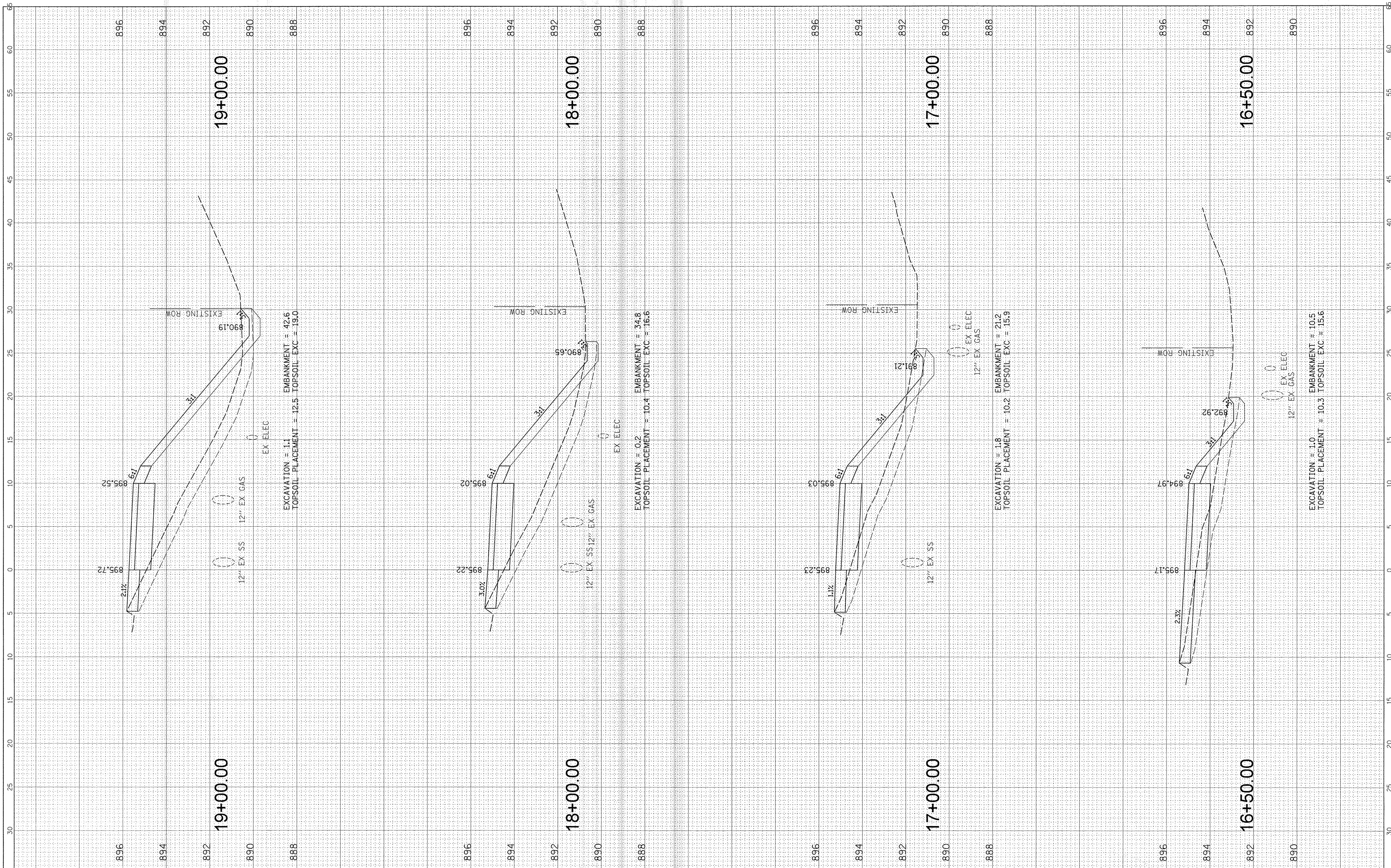
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL RTE 47 MULTI-USE PATH
 PROPOSED CROSS SECTIONS**
 SCALE: SHEET OF SHEETS STA. 10+00.00 TO STA. 16+00.00

F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 84
CONTRACT NO. 61D43				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SUPERVISED	BY	DATE
NOTE BOOK NO.	PLotted		
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	AREAS CHECKED		

ORIGINAL SURVEY	SUPERVISED	BY	DATE
NOTE BOOK NO.	PLotted		
	DATE		
	AREAS CHECKED		



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 PLotted SCALE = 5'
 PLotted DATE = 11/2/2016

DESIGNED - MBT
 DRAWN - MBT
 CHECKED - JGS
 DATE - 11/2/2016

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

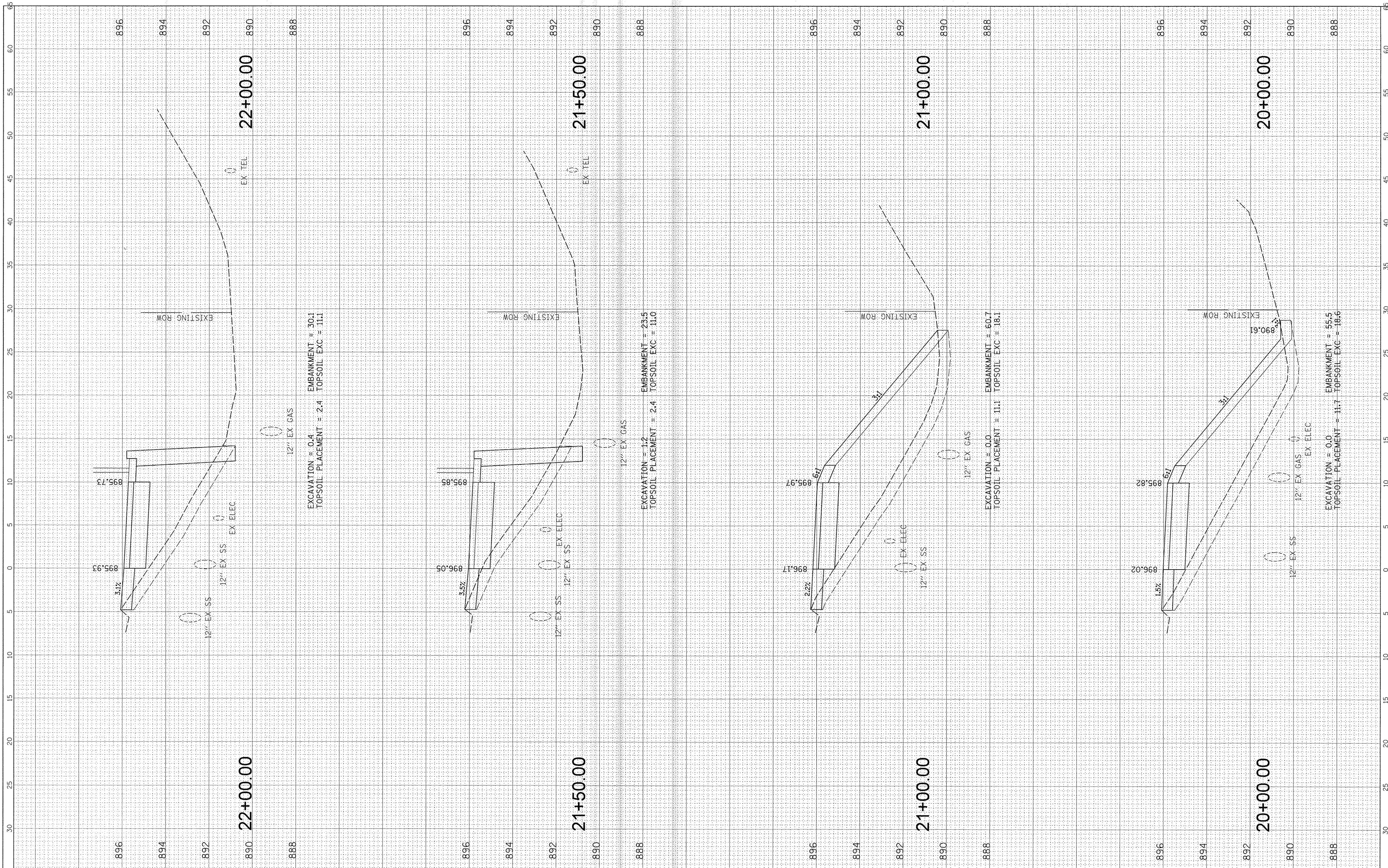
**IL RTE 47 MULTI-USE PATH
 PROPOSED CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 16+50.00 TO STA. 19+00.00

F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 85
CONTRACT NO. 61D43				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	BY	DATE
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PLOTTED		
NOTE BOOK		
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ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
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DESIGNED - MBT
 DRAWN - MBT
 CHECKED - JGS
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

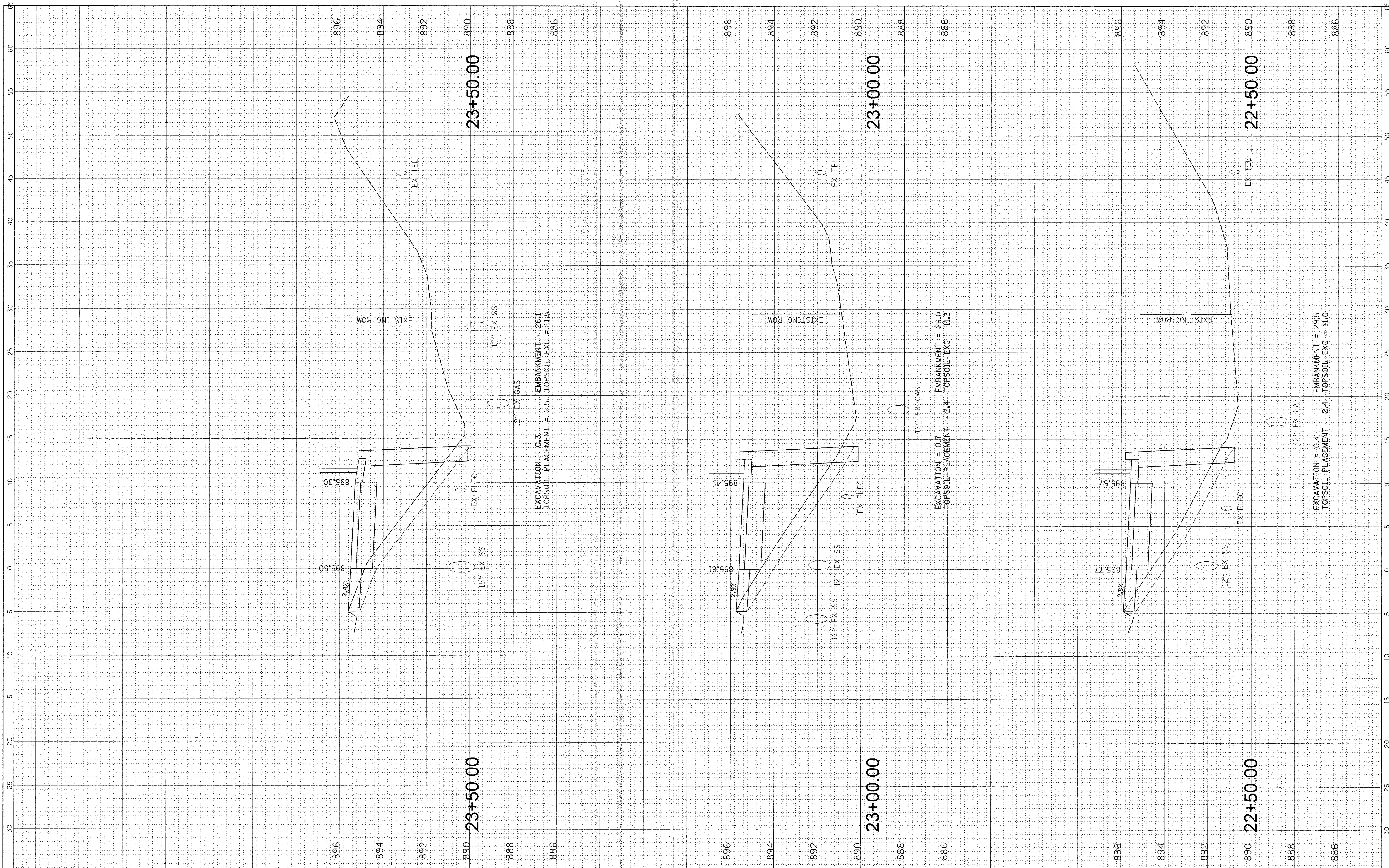
**IL RTE 47 MULTI-USE PATH
 PROPOSED CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 20+00.00 TO STA. 22+00.00

F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 86
			CONTRACT NO. 61D43	
ILLINOIS FED. AID PROJECT				

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



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

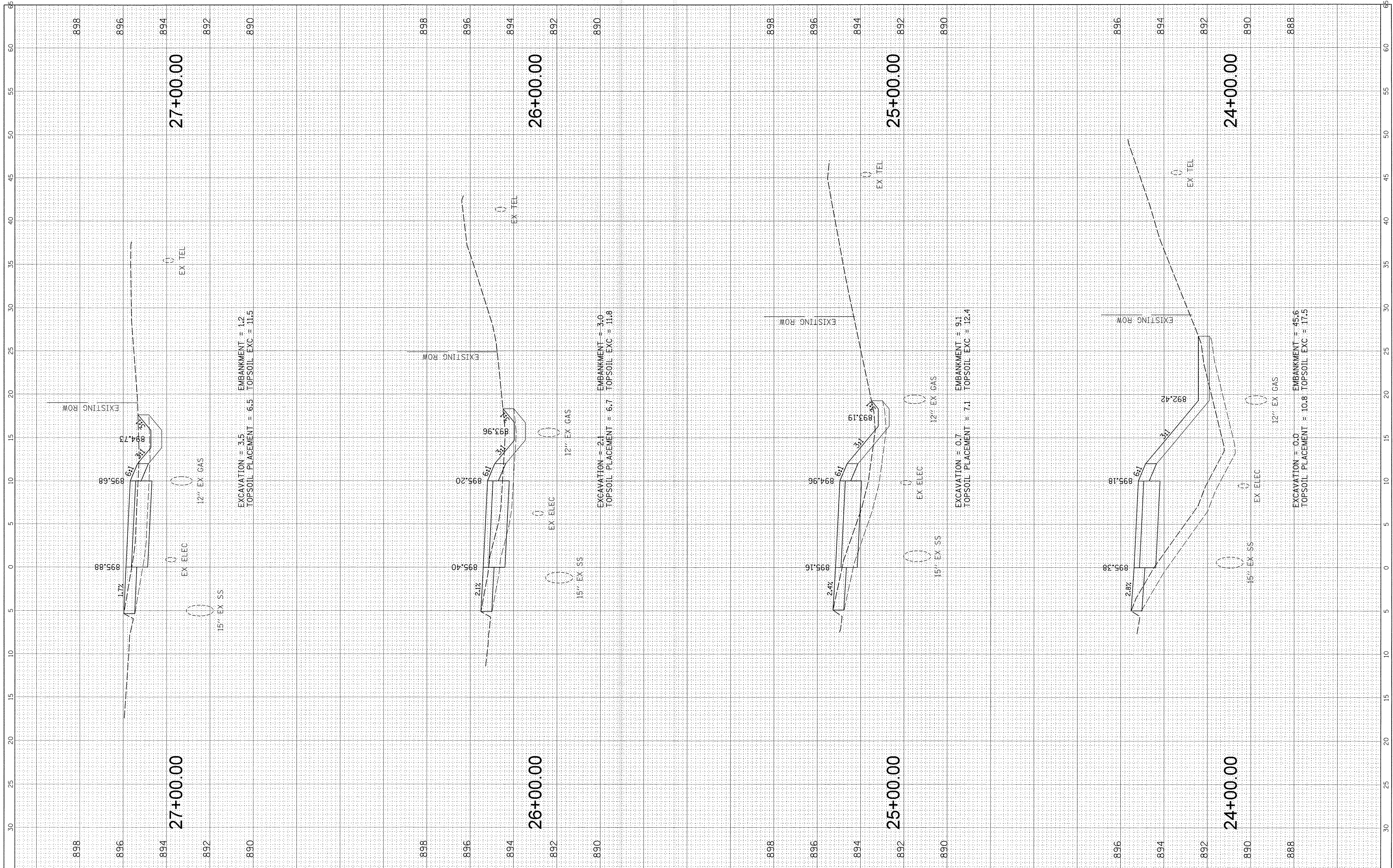
**IL RTE 47 MULTI-USE PATH
 PROPOSED CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 22+50.00 TO STA. 23+50.00

F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 87
CONTRACT NO. 61D43				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	BY	DATE
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NOTE BOOK		
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TEMPLATE		
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TEMPLATE		
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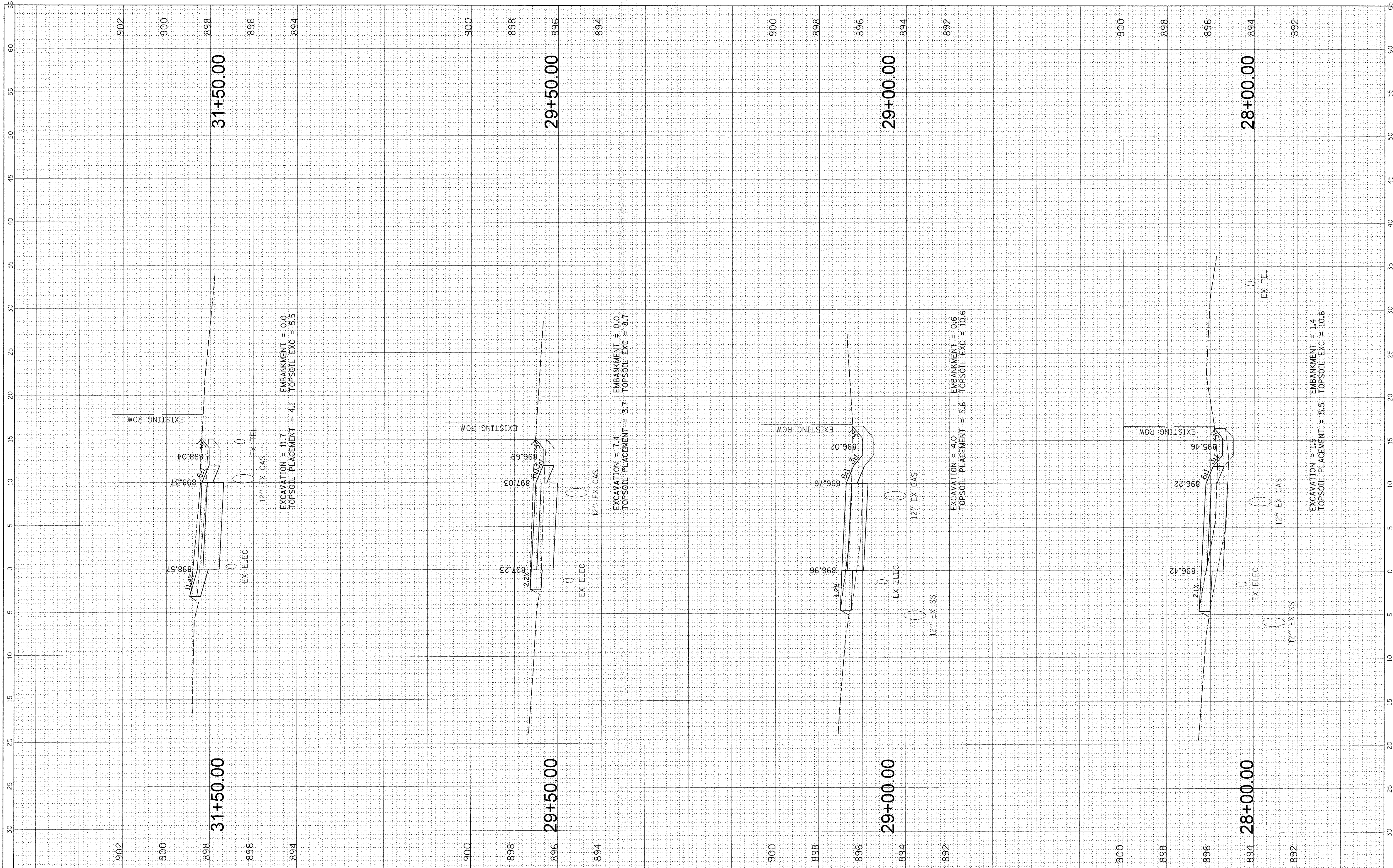
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL RTE 47 MULTI-USE PATH
 PROPOSED CROSS SECTIONS**
 SCALE: SHEET OF SHEETS STA. 24+00.00 TO STA. 27+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	14-00041-00-BT	KANE	106	88
CONTRACT NO. 61D43				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	BY	DATE
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ORIGINAL SURVEY	BY	DATE
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USER NAME = jstrick
 PLOT SCALE = 5'
 PLOT DATE = 11/2/2016

DESIGNED - MBT
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 DATE - 11/2/2016

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

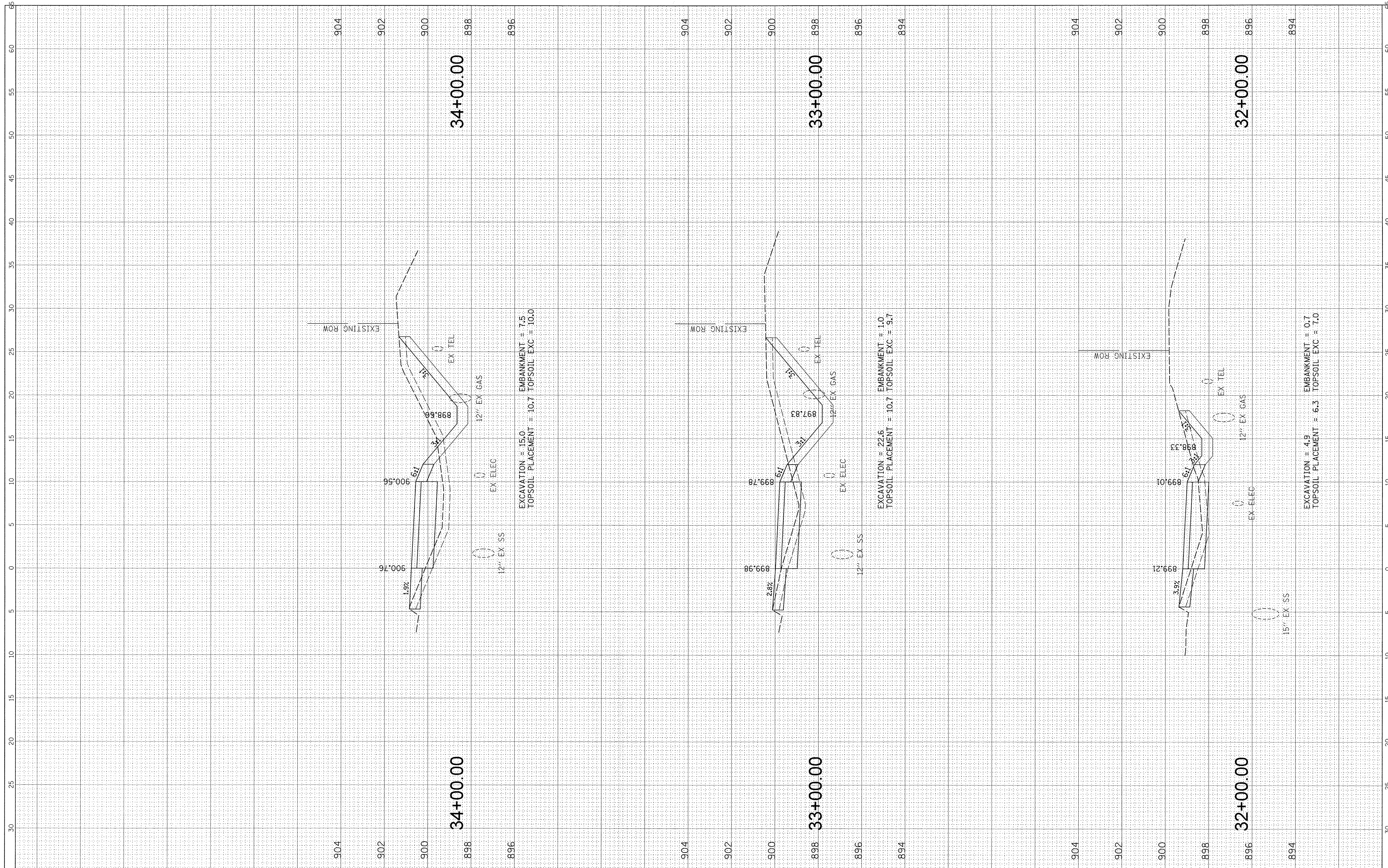
**IL RTE 47 MULTI-USE PATH
 PROPOSED CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 28+00.00 TO STA. 31+50.00

F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 89
CONTRACT NO. 61D43			ILLINOIS FED. AID PROJECT	

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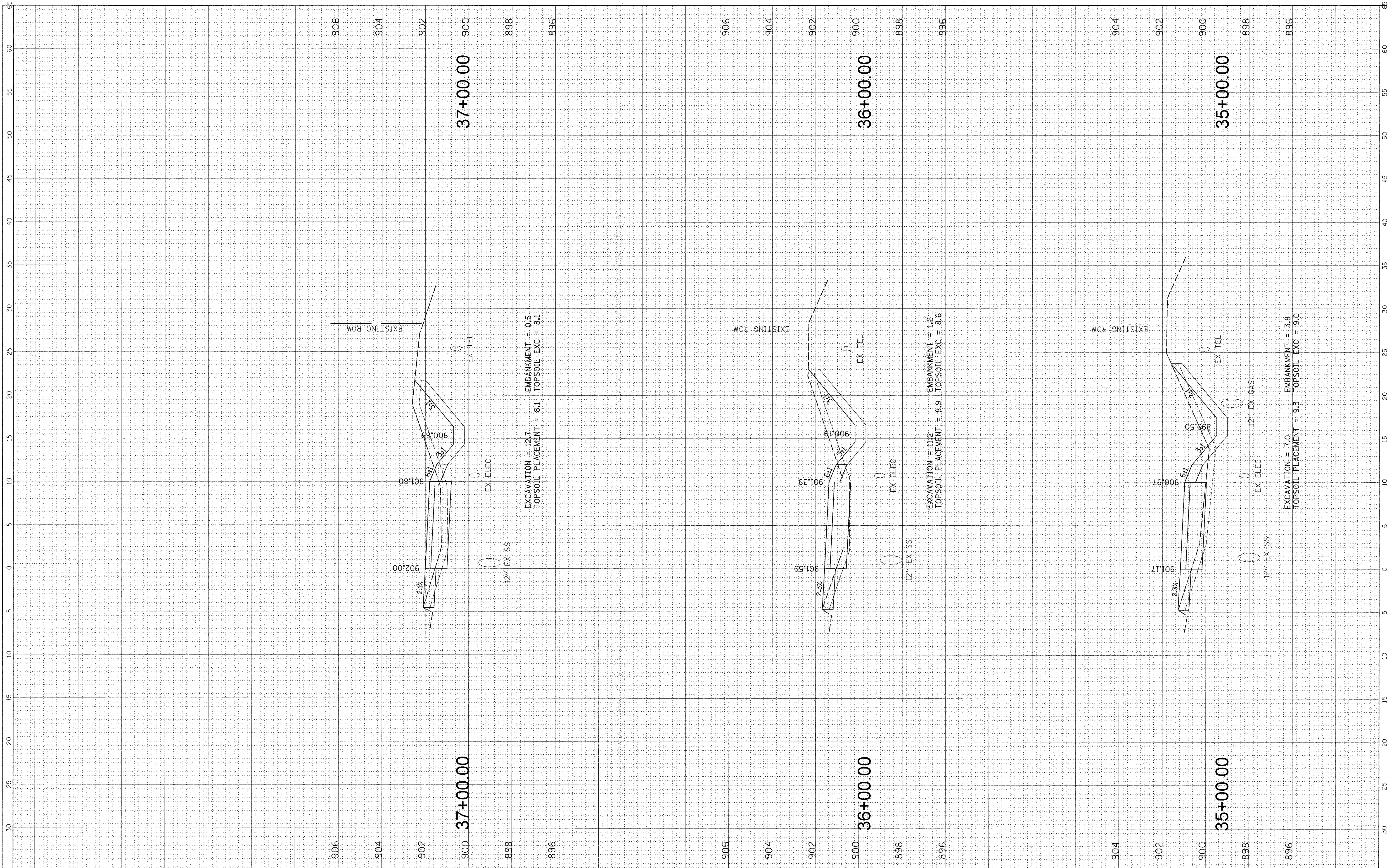
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NOTE BOOK	PLOTTED		
NO.	REPLATE		
	AREAS CHECKED		



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Default	PLOT SCALE = 5'	CHECKED - JGS	REVISED -					ILLINOIS FED. AID PROJECT							
	PLOT DATE = 11/2/2016	DATE - 11/2/2016	REVISED -												

FINAL SURVEY	BY	DATE
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NOTE BOOK		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
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NOTE BOOK		
AREAS CHECKED		



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

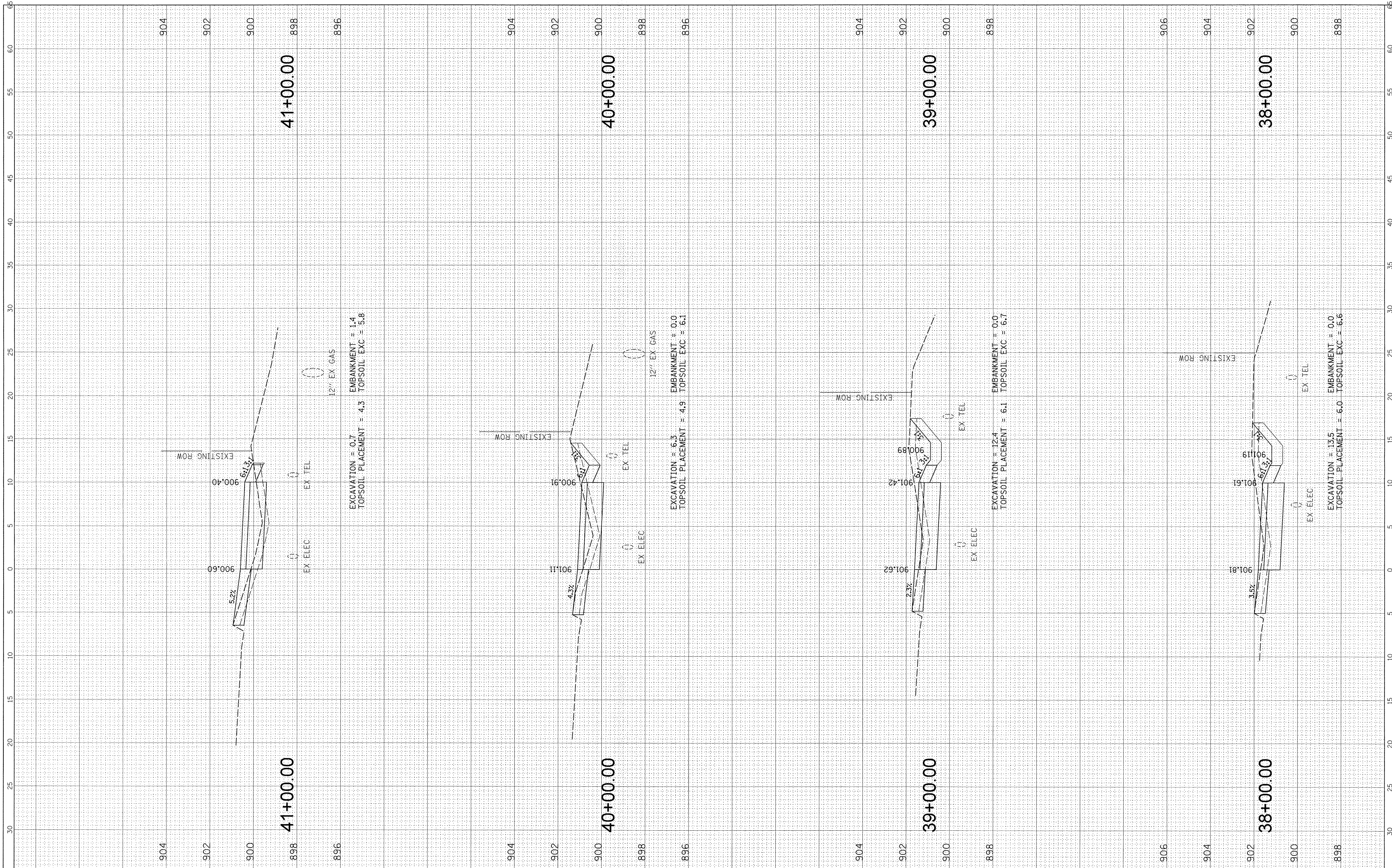
**IL RTE 47 MULTI-USE PATH
PROPOSED CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 35+00.00 TO STA. 37+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	14-00041-00-BT	KANE	106	91
			CONTRACT NO. 61D43	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	BY	DATE
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NOTE BOOK		
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ORIGINAL SURVEY	BY	DATE
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DESIGNED - MBT
 DRAWN - MBT
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

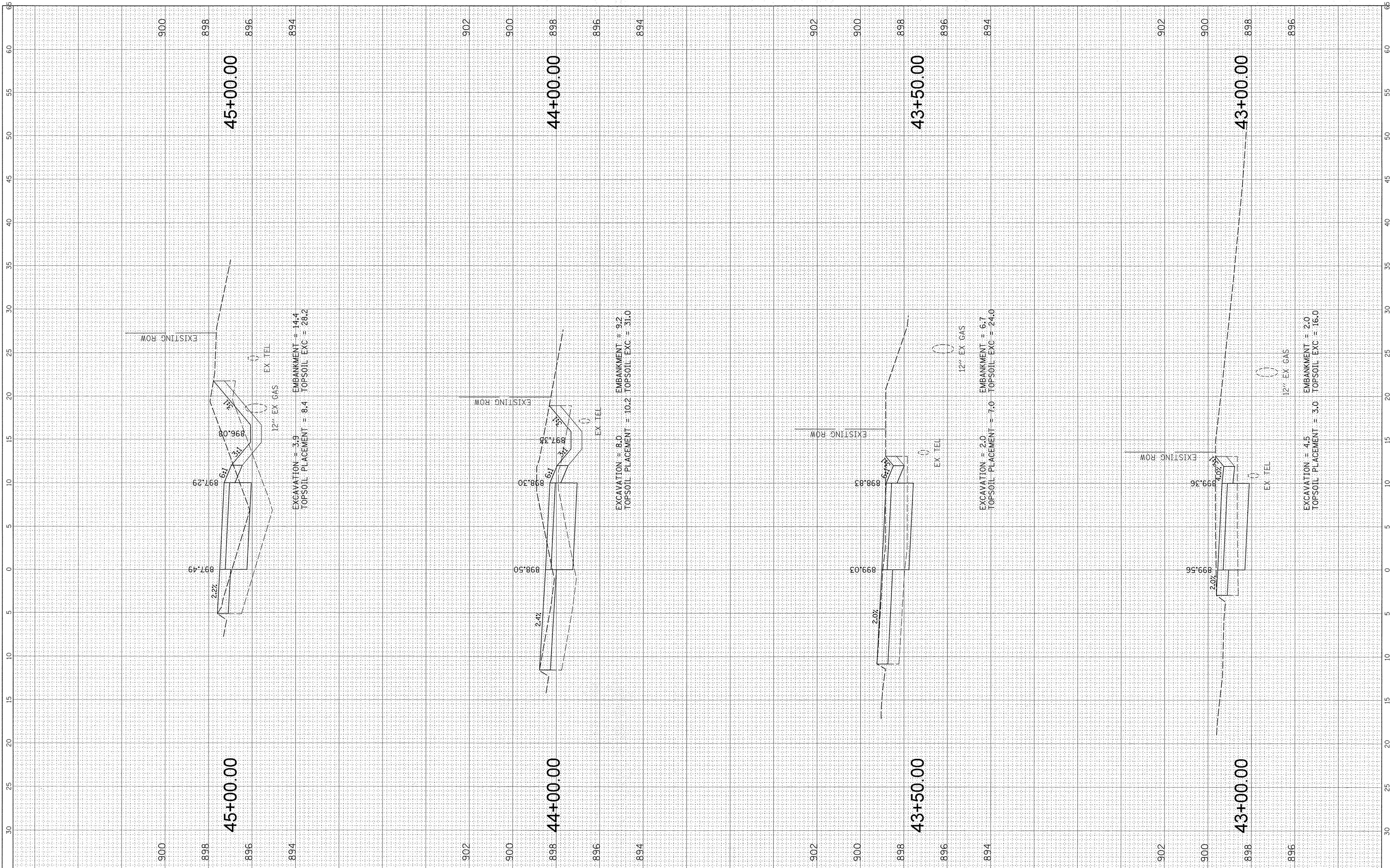
**IL RTE 47 MULTI-USE PATH
 PROPOSED CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 38+00.00 TO STA. 41+00.00

F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 92
CONTRACT NO. 61D43			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
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AREAS CHECKED		
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ORIGINAL SURVEY	BY	DATE
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USER NAME = jstrick
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 PLOT DATE = 11/2/2016

DESIGNED - MBT
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

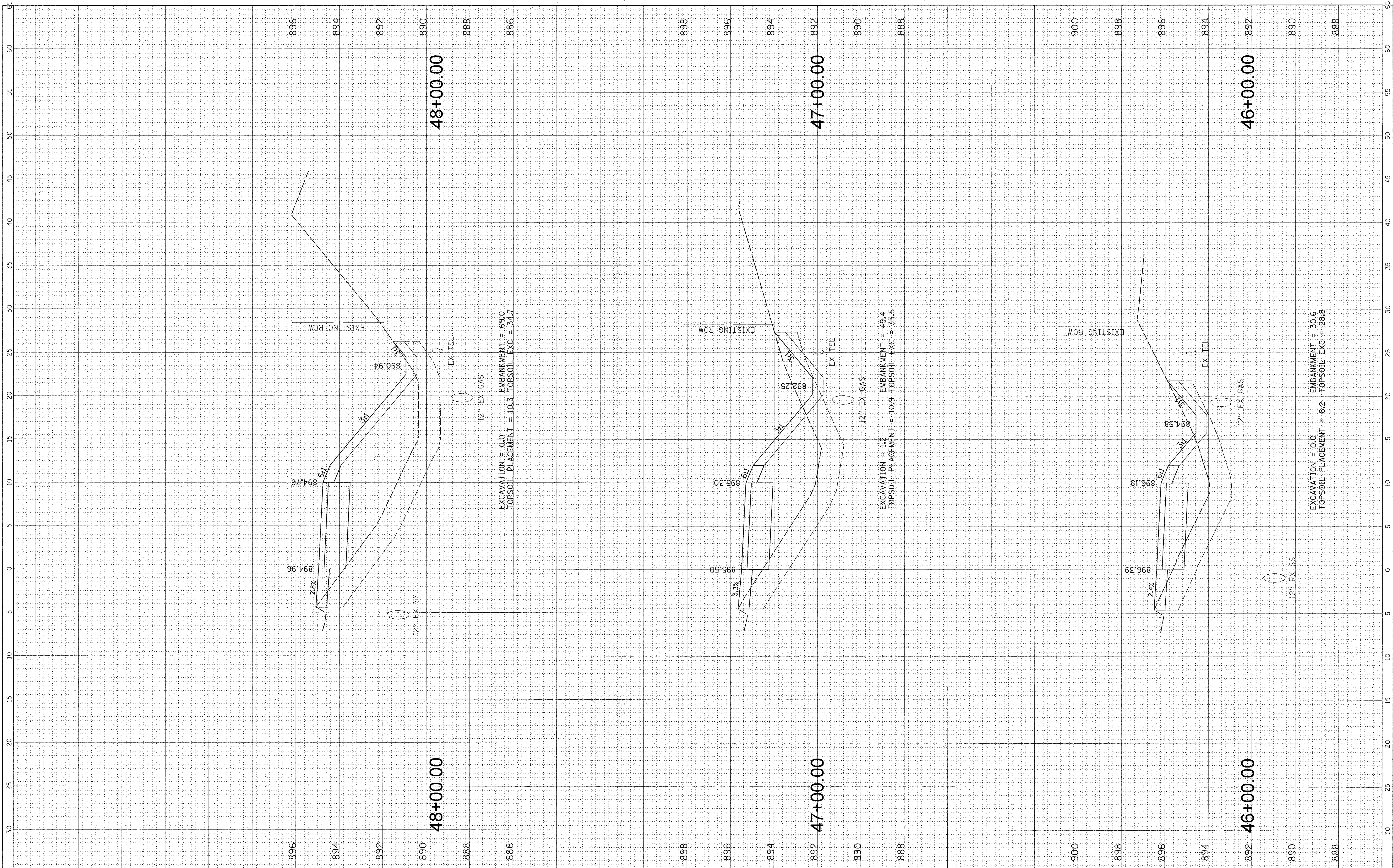
**IL RTE 47 MULTI-USE PATH
 PROPOSED CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 43+00.00 TO STA. 45+00.00

F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 93
CONTRACT NO. 61D43				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	AREAS		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	AREAS		
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DESIGNED -	MBT	REVISED -	-
DRAWN -	MBT	REVISED -	-
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DATE -	11/2/2016	REVISED -	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

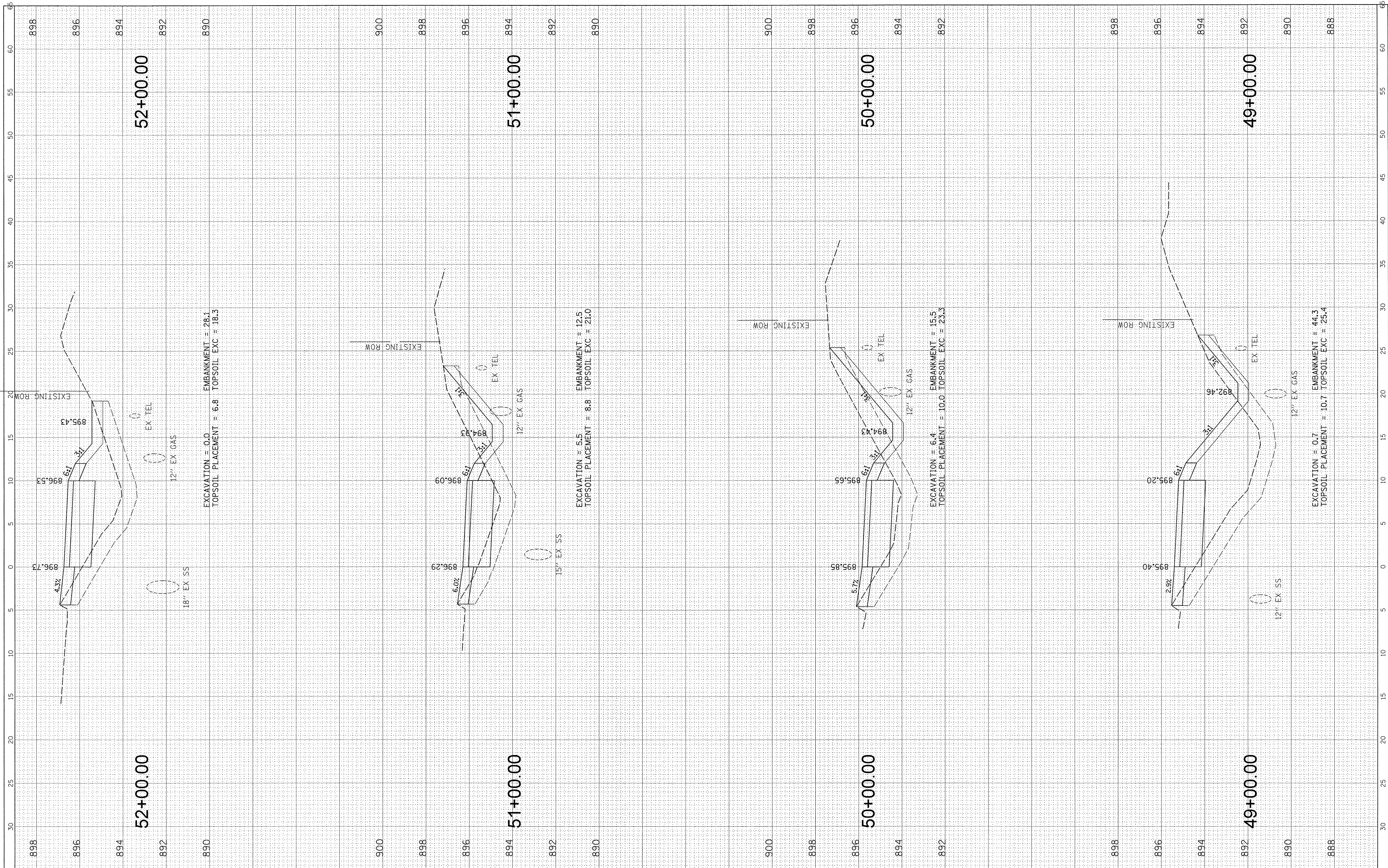
**IL RTE 47 MULTI-USE PATH
 PROPOSED CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 46+00.00 TO STA. 48+00.00

F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 94
CONTRACT NO. 61D43			[ILLINOIS] FED. AID PROJECT	

FINAL SURVEY	SURVEYED	BY	DATE
NO. _____	BOOK _____	_____	_____
NO. _____	TEMPLATE _____	_____	_____
AREAS CHECKED _____	AREAS CHECKED _____	_____	_____

ORIGINAL SURVEY	SURVEYED	BY	DATE
NO. _____	BOOK _____	_____	_____
NO. _____	TEMPLATE _____	_____	_____
AREAS CHECKED _____	AREAS CHECKED _____	_____	_____



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 CHECKED - JGS
 DATE - 11/2/2016

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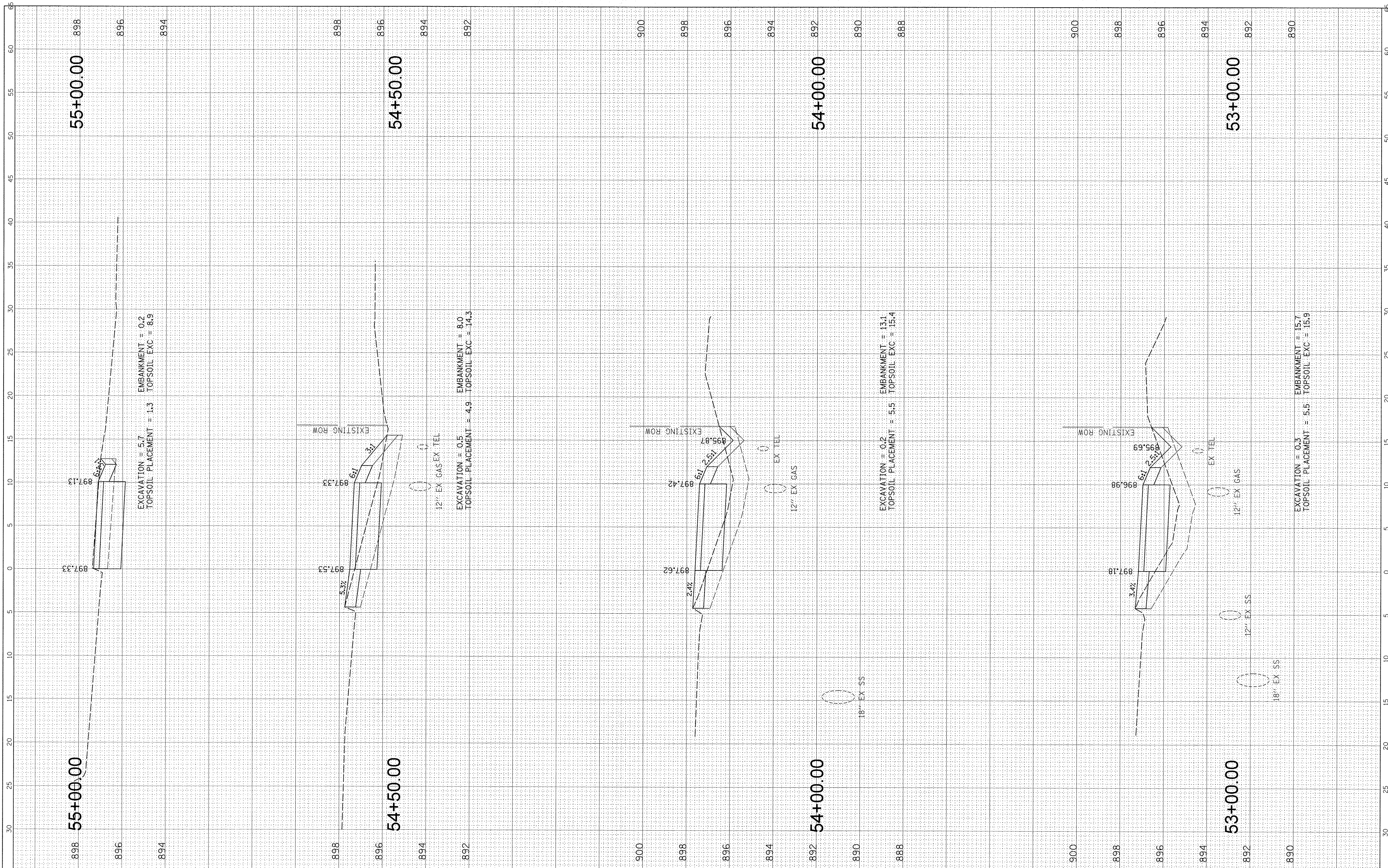
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL RTE 47 MULTI-USE PATH
 PROPOSED CROSS SECTIONS**
 SCALE: SHEET OF SHEETS STA. 49+00.00 TO STA. 52+00.00

F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 95
CONTRACT NO. 61D43			ILLINOIS FED. AID PROJECT	

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

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



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 DRAWN - MBT
 CHECKED - JGS
 DATE - 11/2/2016

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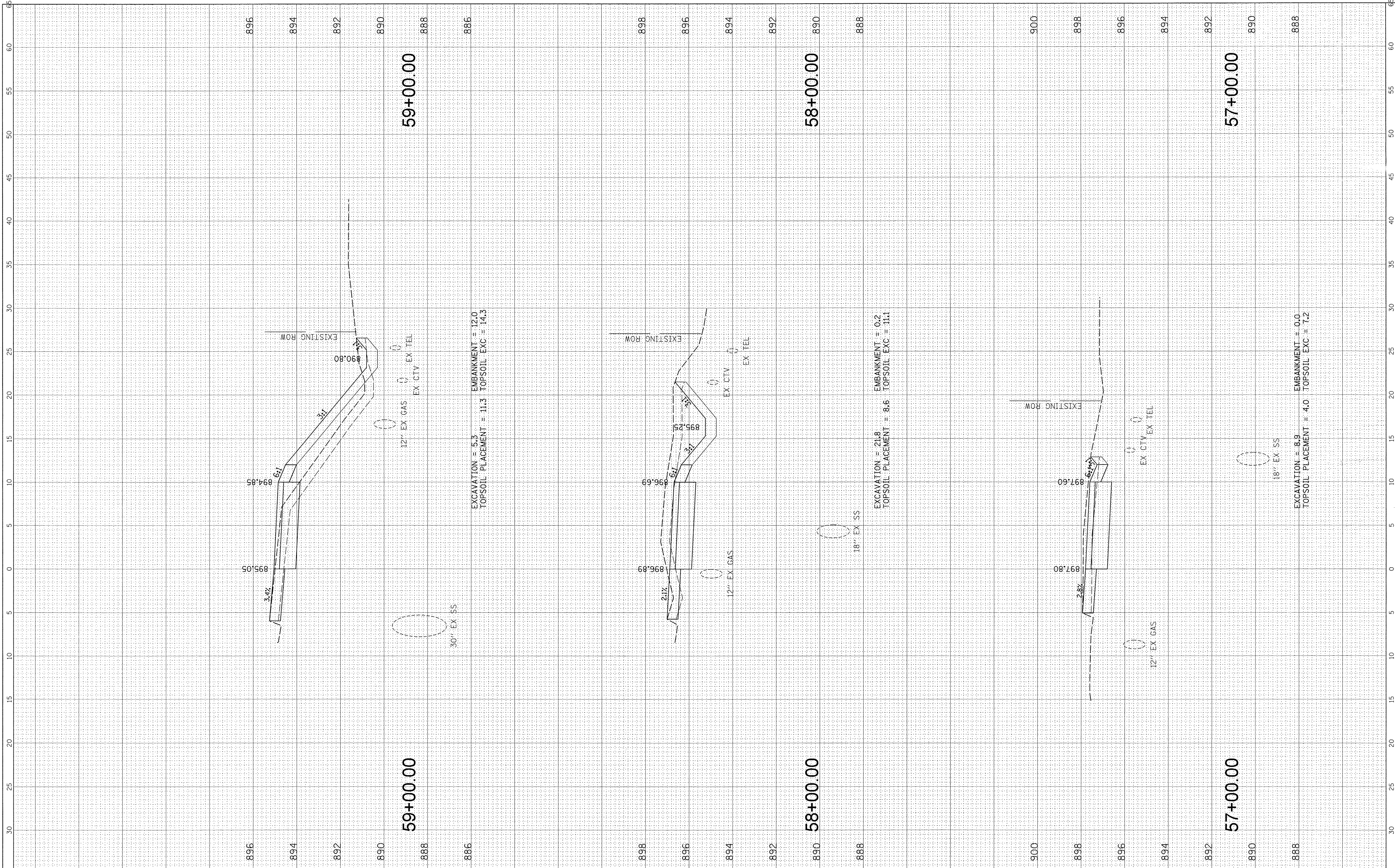
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL RTE 47 MULTI-USE PATH
 PROPOSED CROSS SECTIONS**
 SCALE: SHEET OF SHEETS STA. 53+00.00 TO STA. 55+00.00

F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 96
CONTRACT NO. 61D43				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
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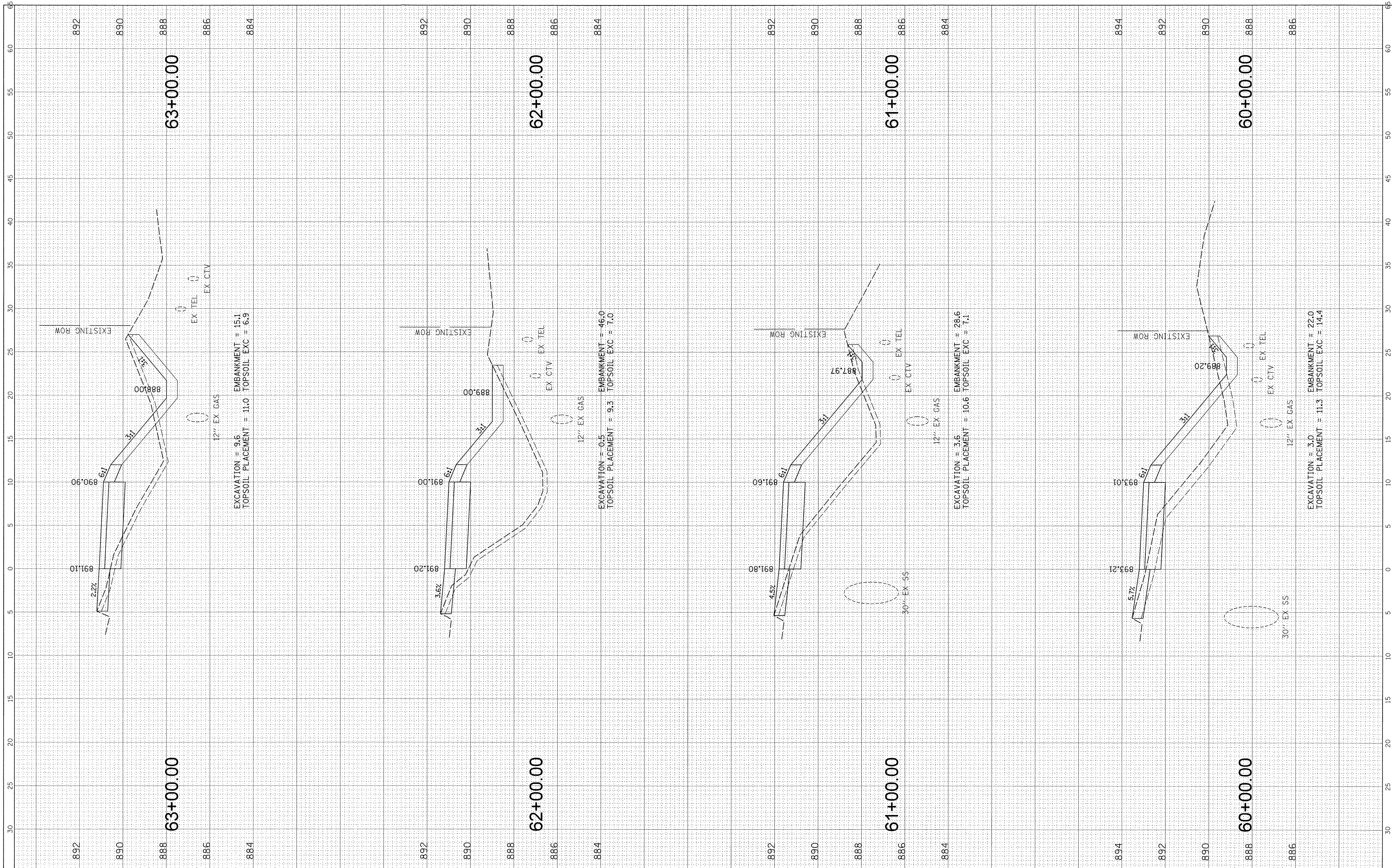
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL RTE 47 MULTI-USE PATH
 PROPOSED CROSS SECTIONS**
 SCALE: SHEET OF SHEETS STA. 57+00.00 TO STA. 59+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	14-00041-00-BT	KANE	106	97
			CONTRACT NO. 61D43	
ILLINOIS FED. AID PROJECT				

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

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



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DESIGNED - MBT
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

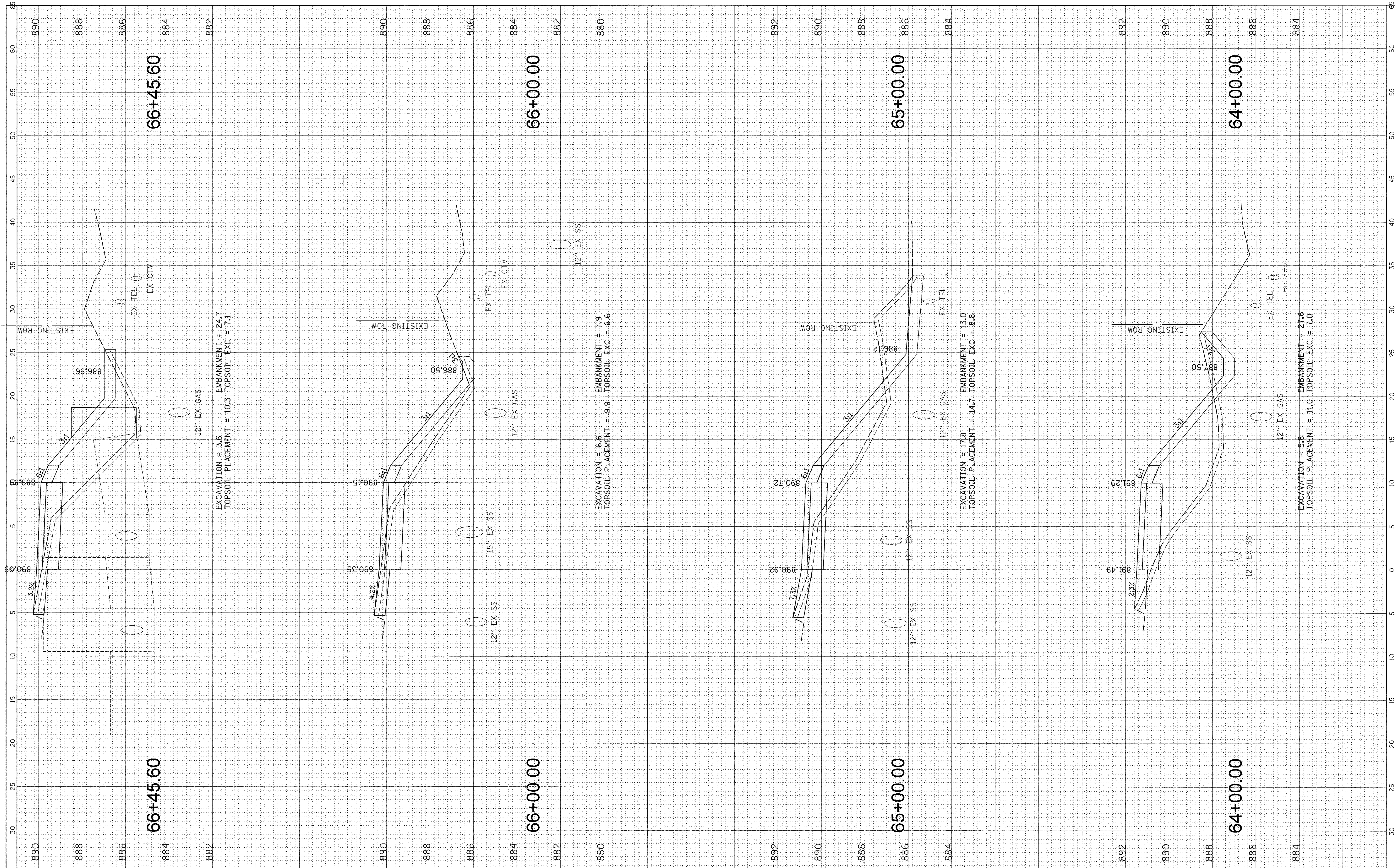
**IL RTE 47 MULTI-USE PATH
 PROPOSED CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 60+00.00 TO STA. 63+00.00

F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 98
CONTRACT NO. 61D43			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
TEMPLATE		
AREAS CHECKED		
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ORIGINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
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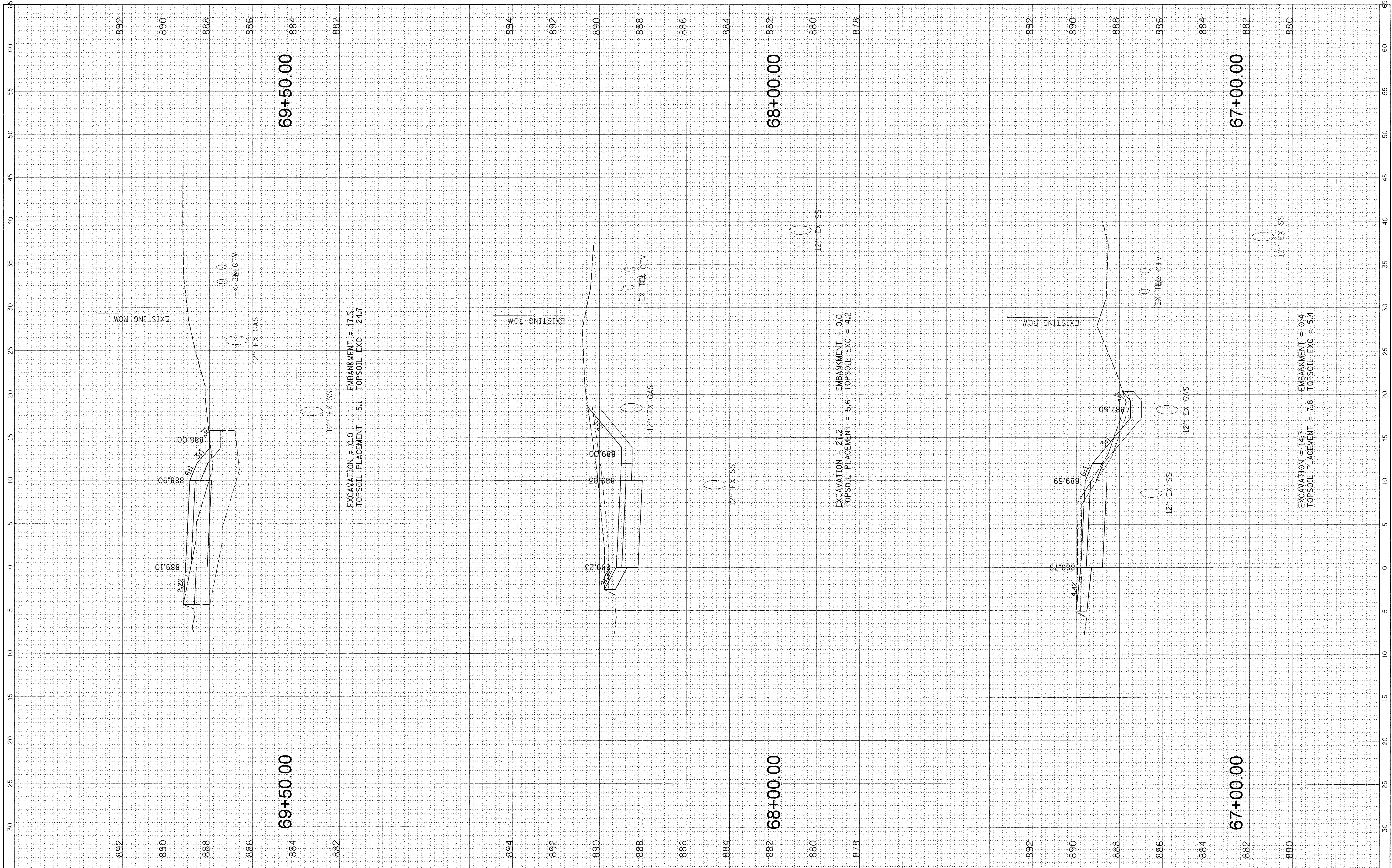
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL RTE 47 MULTI-USE PATH
 PROPOSED CROSS SECTIONS**
 SCALE: SHEET OF SHEETS STA. 64+00.00 TO STA. 66+45.60

F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 99
CONTRACT NO. 61D43				ILLINOIS FED. AID PROJECT

FINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
TEMPLATE		
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ORIGINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

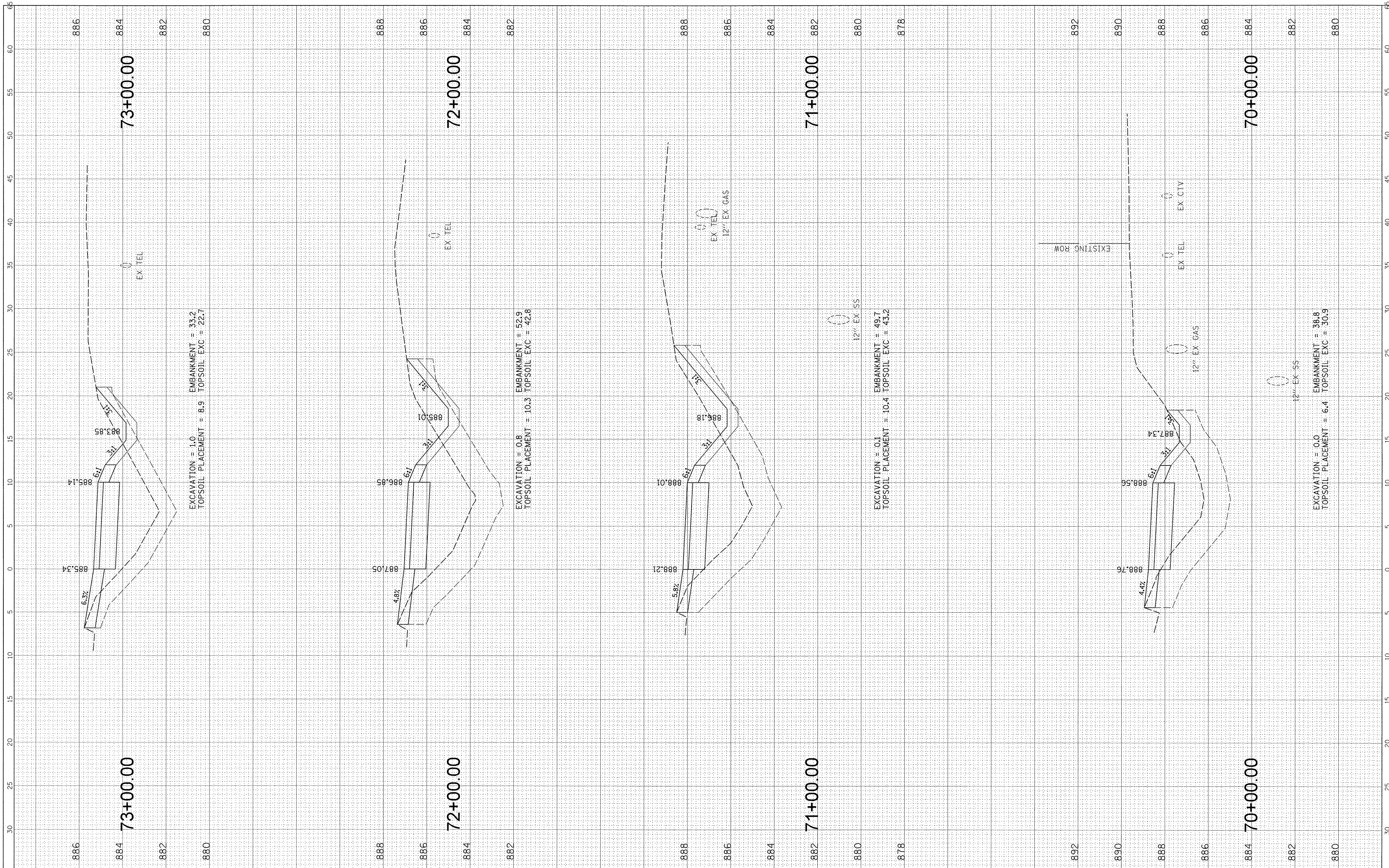
**IL RTE 47 MULTI-USE PATH
 PROPOSED CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 67+00.00 TO STA. 69+50.00

F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 100
CONTRACT NO. 61D43				
ILLINOIS FED. AID PROJECT				

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

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



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 TOPSOIL PLACEMENT = 8.9 TOPSOIL EXC = 22.7

EXCAVATION = 0.8 EMBANKMENT = 52.9
 TOPSOIL PLACEMENT = 10.3 TOPSOIL EXC = 42.8

EXCAVATION = 0.1 EMBANKMENT = 49.7
 TOPSOIL PLACEMENT = 10.4 TOPSOIL EXC = 43.2

EXCAVATION = 0.0 EMBANKMENT = 38.8
 TOPSOIL PLACEMENT = 6.4 TOPSOIL EXC = 30.9

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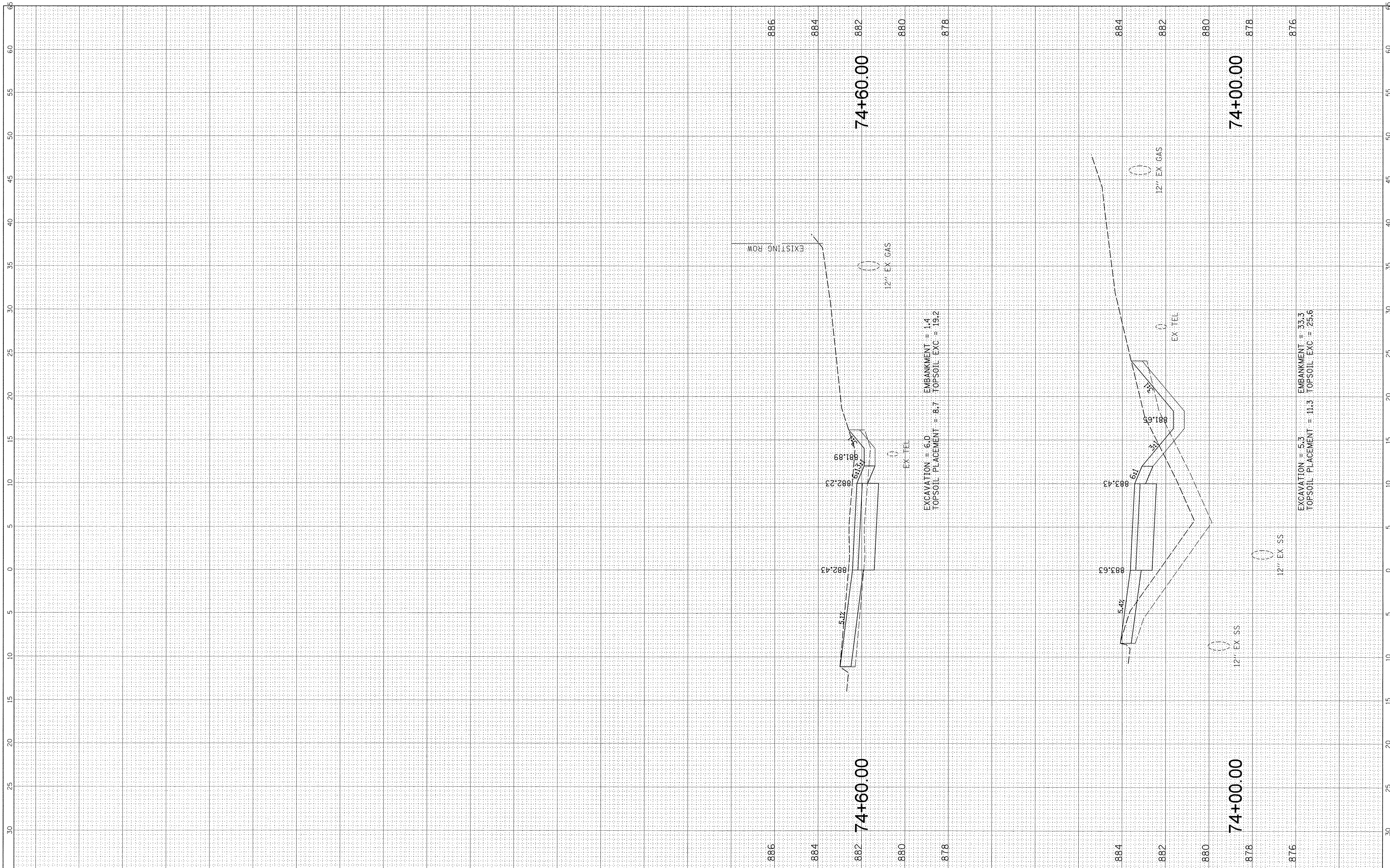
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL RTE 47 MULTI-USE PATH
 PROPOSED CROSS SECTIONS**
 SCALE: SHEET OF SHEETS STA. 70+00.00 TO STA. 73+00.00

F.A.P. RTE. 0326	SECTION 14-0041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 101
CONTRACT NO. 61D43			ILLINOIS FED. AID PROJECT	

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

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



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 PLOT DATE = 11/2/2016

DESIGNED - MBT
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 CHECKED - JGS
 DATE - 11/2/2016

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

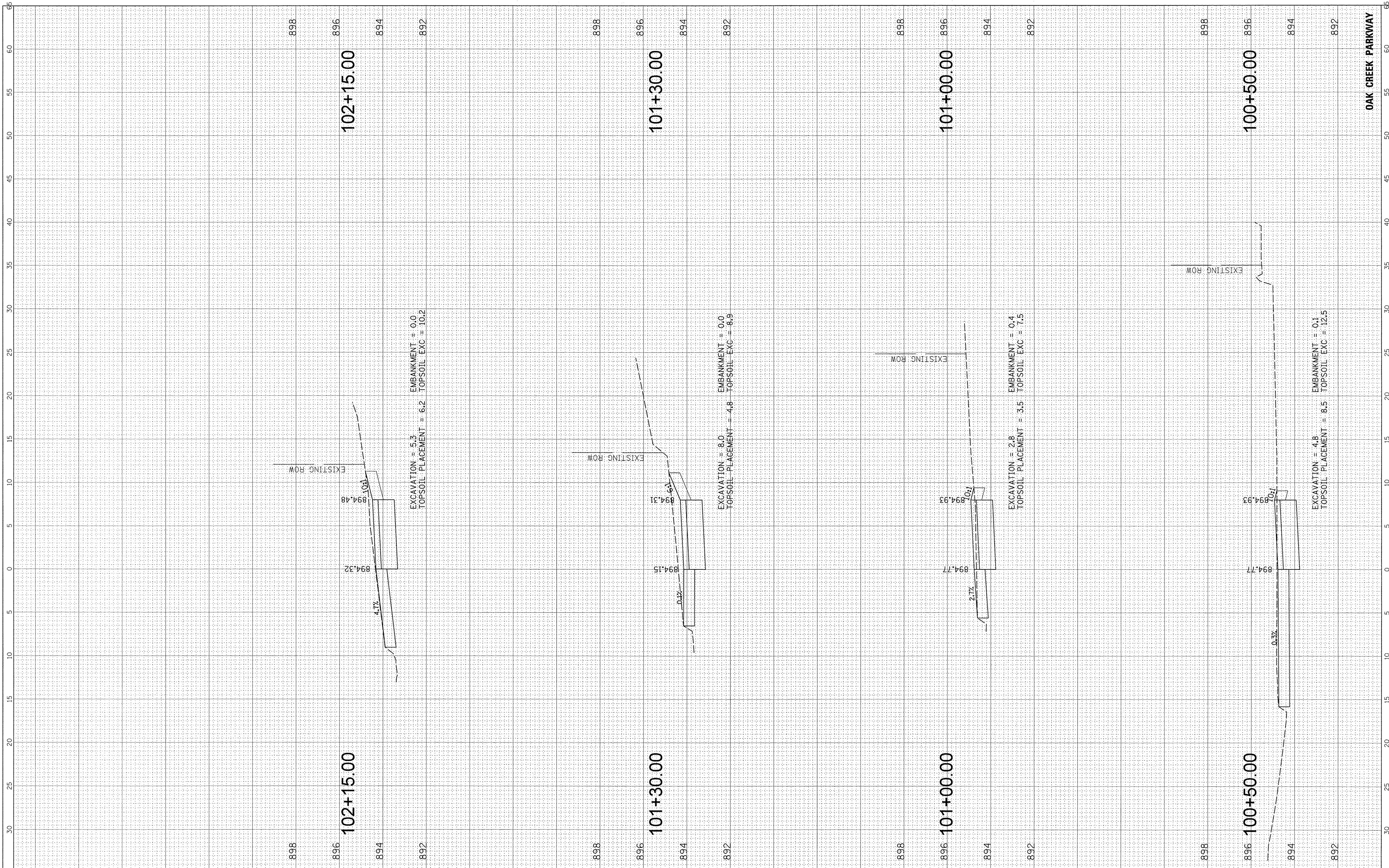
**IL RTE 47 MULTI-USE PATH
 PROPOSED CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 74+00.00 TO STA. 74+60.00

F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 102
CONTRACT NO. 61D43			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
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 PLOT DATE = 11/2/2016

DESIGNED - MBT
 DRAWN - MBT
 CHECKED - JGS
 DATE - 11/2/2016

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL RTE 47 MULTI-USE PATH
 PROPOSED CROSS SECTIONS**

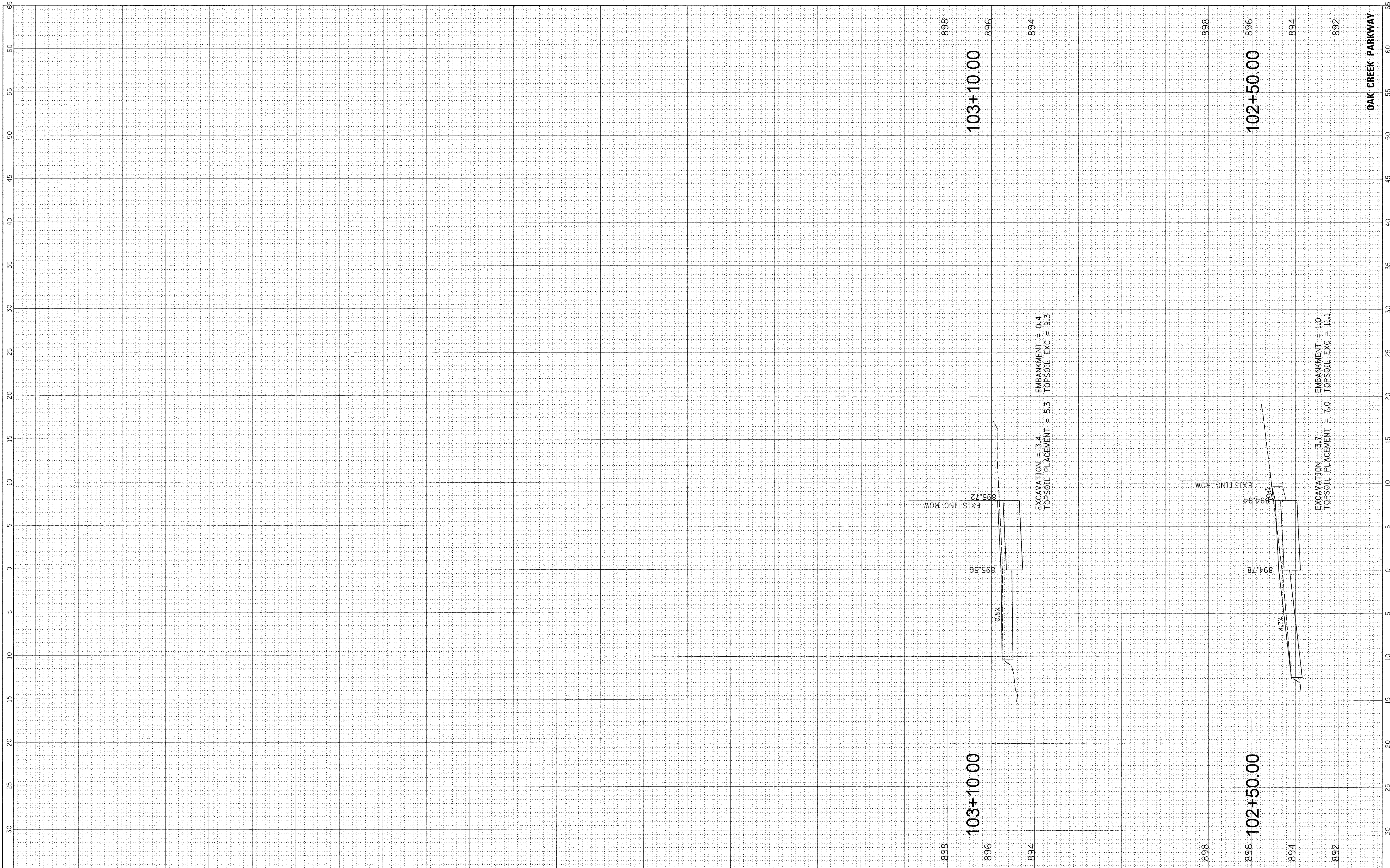
SCALE: SHEET OF SHEETS STA. 100+50.00 TO STA. 102+15.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	14-00041-00-BT	KANE	106	103
CONTRACT NO. 61D43				
ILLINOIS FED. AID PROJECT				

OAK CREEK PARKWAY

FINAL SURVEY	BY	DATE
NO.		
NOTE BOOK		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
NO.		
NOTE BOOK		
AREAS CHECKED		



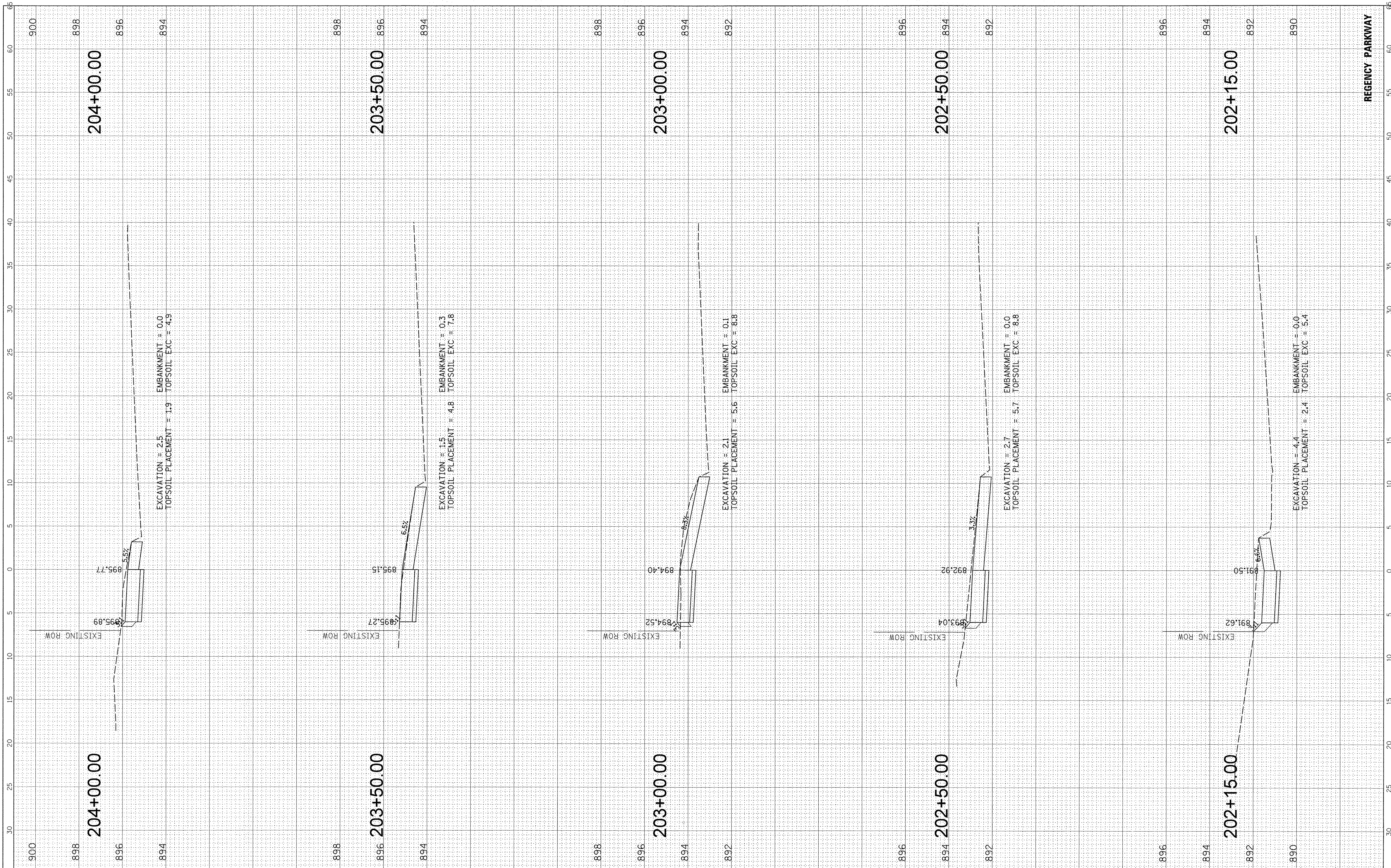
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET OF SHEETS		STA. 102+50.00 TO STA. 103+10.00	
F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 104	CONTRACT NO. 61D43
ILLINOIS FED. AID PROJECT					

FINAL SURVEY	BY	DATE
SURVEYED		
TEMPORARY		
NOTE BOOK		
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ORIGINAL SURVEY	BY	DATE
SURVEYED		
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NOTE BOOK		
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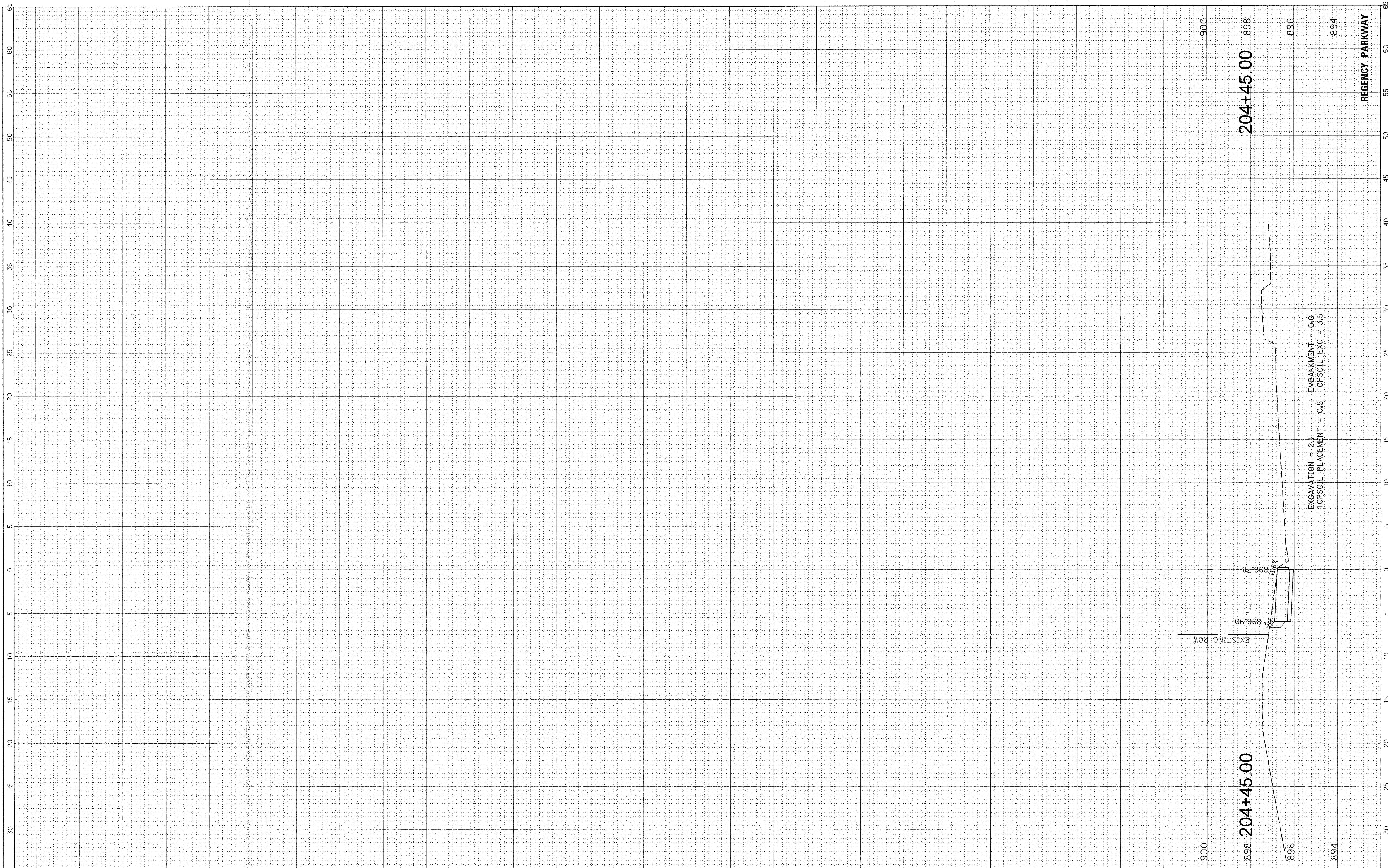
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL RTE 47 MULTI-USE PATH
 PROPOSED CROSS SECTIONS**
 SCALE: SHEET OF SHEETS STA. 202+15.00 TO STA. 204+00.00

F.A.P. RTE. 0326	SECTION 14-00041-00-BT	COUNTY KANE	TOTAL SHEETS 106	SHEET NO. 105
			CONTRACT NO. 61D43	
ILLINOIS FED. AID PROJECT				

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

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



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 CHECKED - JGS
 DATE - 11/2/2016

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL RTE 47 MULTI-USE PATH
 PROPOSED CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 204+45.00 TO STA. 204+45.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	14-00041-00-BT	KANE	106	106
CONTRACT NO. 61D43			ILLINOIS FED. AID PROJECT	