

FOR INDEX OF SHEETS, SEE SHEET NO. 2

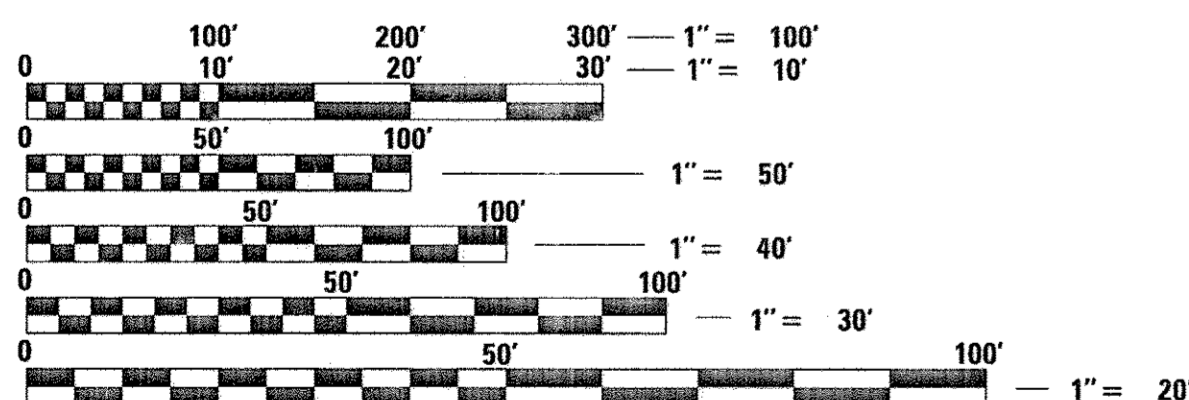
FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PROJECT LOCATED IN THE VILLAGES OF WEST DUNDEE AND CARPENTERSVILLE

HIGHWAY CLASSIFICATION
HUNTLEY ROAD - URBAN MINOR ARTERIAL

TRAFFIC DATA
HUNTLEY ROAD
2015 ADT = 19,900 2040 ADT = 27,000
POSTED SPEED LIMIT = 35 MPH/40 MPH
DESIGN SPEED LIMIT = 40 MPH/45 MPH

BEGIN PROJECT
HUNTLEY ROAD
STA 261+45.26



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. DESIGN STAGE REQUEST
DIG. No. X1210135, X1210144, X1210148



CONTACT JULIE AT 811 OR 800-892-0123 WITH THE FOLLOWING:

COUNTY = KANE
CITY-TOWNSHIP = WEST DUNDEE, CARPENTERSVILLE, DUNDEE TWP
SEC. & 1/4 SEC. NO. = SW 16, NW 21, NE 21
48 HOURS (2 working days) BEFORE YOU DIG

CONTRACT NO. 61C86

STATE OF ILLINOIS

04-27-2018 LETTING ITEM 193

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	1
M-4003(447)		ILLINOIS	CONTRACT NO. 61C86	

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

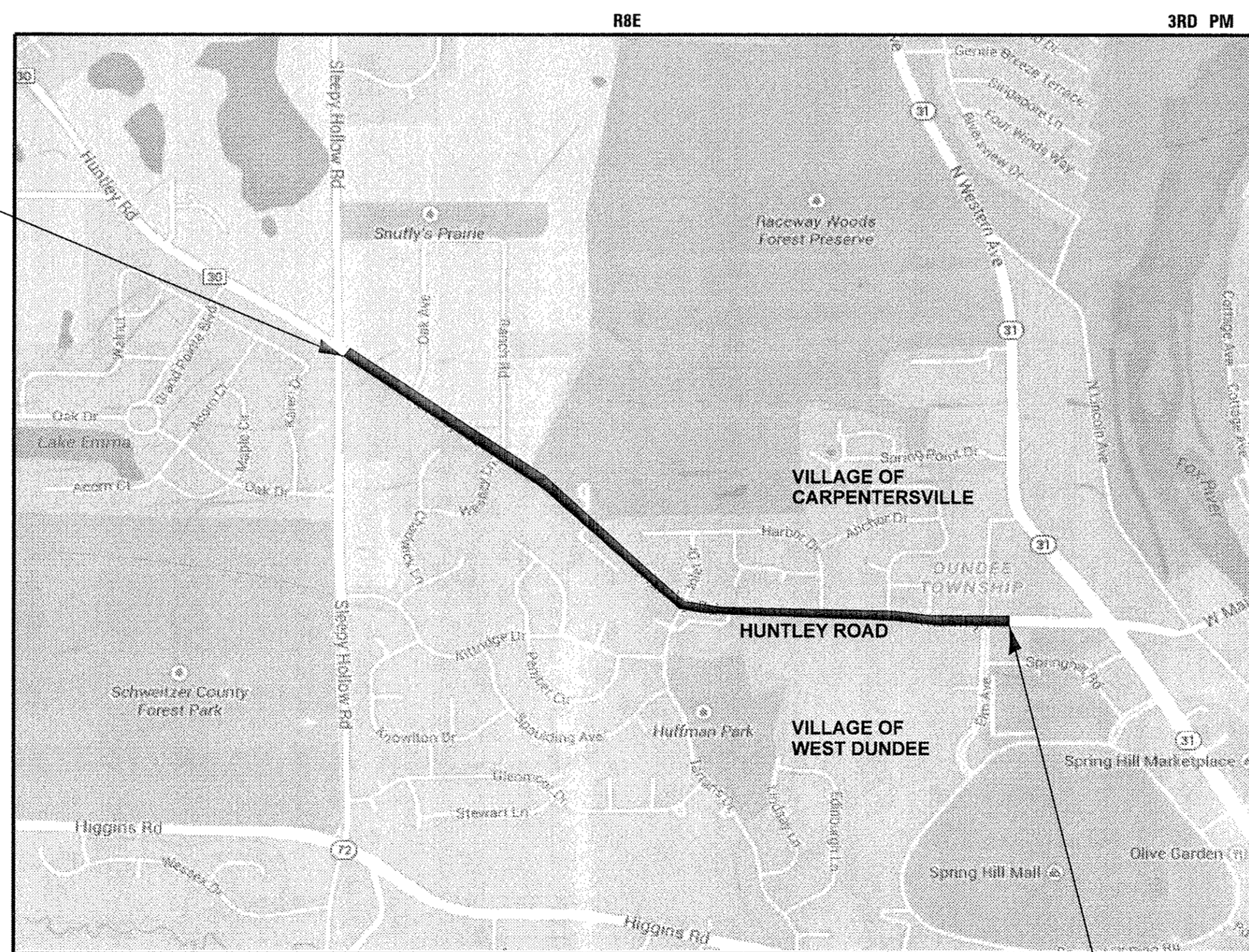
FAU 1283 (HUNTLEY ROAD) SLEEPY HOLLOW ROAD TO ELM AVENUE ROADWAY RECONSTRUCTION AND ADD LANES

SECTION: 14-00057-00-WR

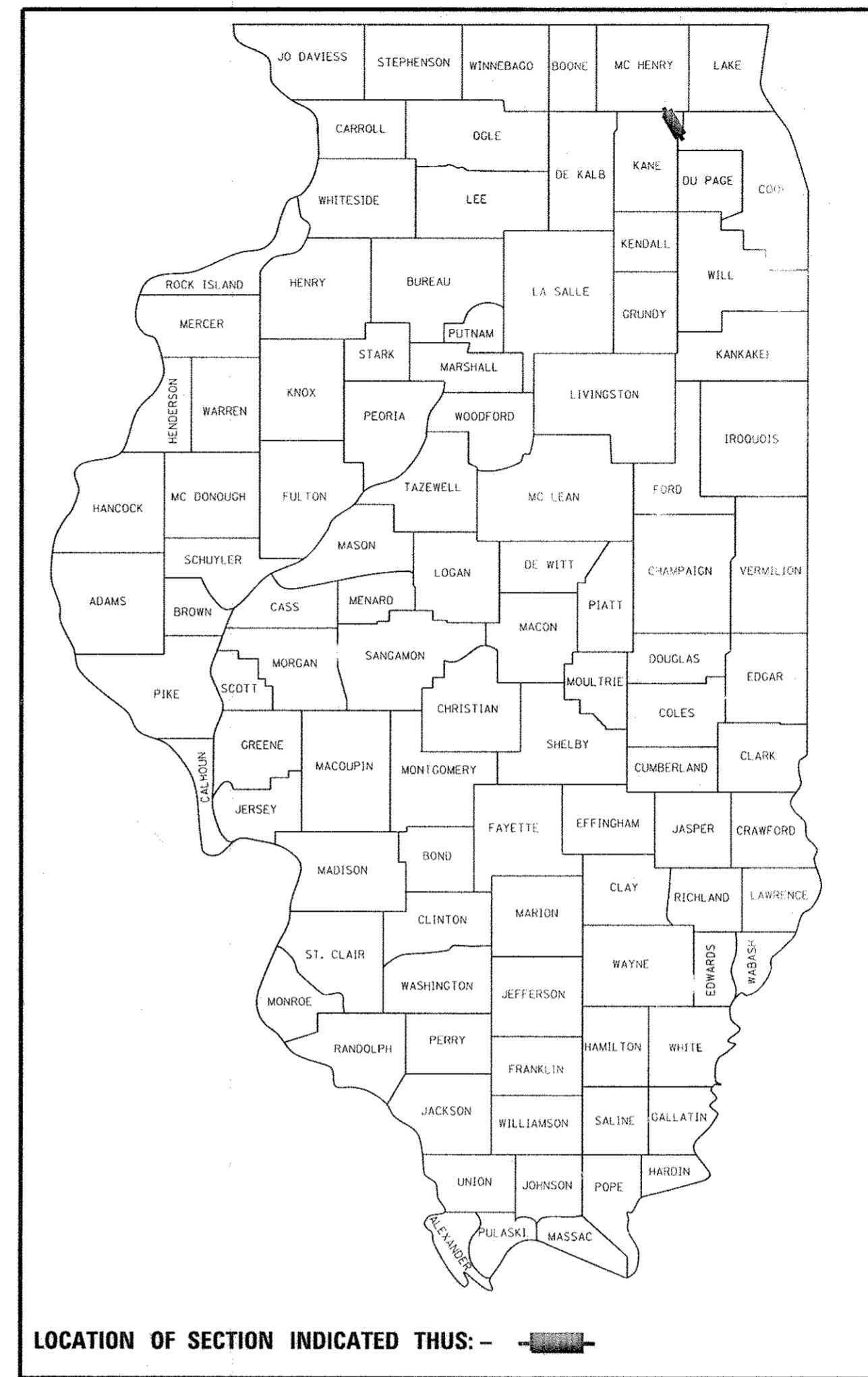
PROJECT: [REDACTED] UDS8(288)

VILLAGE OF WEST DUNDEE KANE COUNTY

C-91-169-15



LOCATION MAP
GROSS LENGTH = 5,696.74 FT. = 1.079 MILES
NET LENGTH = 5,696.74 FT. = 1.079 MILES



LOCATION OF SECTION INDICATED THUS: [REDACTED]

62-050059
LICENSED PROFESSIONAL ENGINEER
STATE OF ILLINOIS
PROJECT MANAGER
"LICENSE EXPIRES 11-30-2017"

62-060360
LICENSED PROFESSIONAL ENGINEER
STATE OF ILLINOIS
PROJECT ENGINEER
"LICENSE EXPIRES 11-30-2017"

62-050526
LICENSED PROFESSIONAL ENGINEER
STATE OF ILLINOIS
PROJECT ENGINEER
"LICENSE EXPIRES 11-30-2017"

081-006358
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS
PROJECT ENGINEER
"LICENSE EXPIRES 11-30-2018"

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED *Eric Palumbo*
DIRECTOR OF PUBLIC WORKS
VILLAGE OF WEST DUNDEE

APPROVED *EB*
ENGINEERING MANAGER
VILLAGE OF CARPENTERSVILLE

PASSED NOVEMBER 2, 2016
Christopher Holt
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW
November 3, 2016
John F. Adams
REGIONAL ENGINEER

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B&W PROJECT NO.: 14-079 DATE: 10-17-16

BAXTER & WOODMAN

Consulting Engineers

END PROJECT
HUNTLEY ROAD
STA 318+42.00

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. (847) 795-4406, SCHAUMBURG, IL

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DISTRICT ONE DETAILS

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BD02	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. & FACE OF CURB > 15' (4.5m)
BD12	MANHOLE WITH RESTRICTOR PLATE
BD32	BUTT JOINT AND HMA TAPER DETAILS
BD36	FIRE HYDRANT TO BE MOVED
BD51	BENCHING DETAIL FOR EMBANKMENT WIDENING
TC10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
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TC26	DRIVEWAY ENTRANCE SIGNING
TS02	MAST ARM MOUNTED STREET NAME SIGNS
TS05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-10	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-03	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-04	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424031-01	MEDIAN PEDESTRIAN CROSSINGS
542001-06	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 mm) THRU 84" (2100 mm) DIA.
542201-02	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 mm) THRU 36" (900 mm) DIA. SKEWED WITH ROADWAY
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542401-03	METAL END SECTION FOR PIPE CULVERTS
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602301-04	INLET - TYPE A
602401-04	MANHOLE TYPE A
602406-08	MANHOLE TYPE A 6' (1.8 m) DIAMETER
602411-06	MANHOLE TYPE A 7' (2.1 m) DIAMETER
602416-06	MANHOLE TYPE A 8' (2.4) DIAMETER
602421-06	MANHOLE TYPE A 9' (2.7 m) DIAMETER
602601-05	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
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604036-03	GRATE TYPE 8
604051-04	FRAME AND GRATE TYPE 11
604056-04	FRAME AND GRATE TYPE 11V
604091-03	FRAME AND GRATE TYPE 24
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
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701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701336-06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥ 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-08	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
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
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780001-05	TYPICAL PAVEMENT MARKINGS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
876001-04	PEDESTRIAN PUSH BUTTON POST
877001-07	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-10	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

COMMITMENTS

THERE ARE NO COMMITMENTS FOR THIS PROJECT

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	DATE - 10-09-17	FILE - 140879SHT-Index.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS,
AND COMMITMENTS**

SCALE:	STA.	TO STA.	F.U. RTE. 1283	SECTION 14-00057-00-WR	COUNTY KANE	TOTAL SHEETS 173	SHEET NO. 2
			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-40031447				

CONTRACT NO. 61C86

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", AND THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".
2. ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. CURB AND GUTTER ELEVATIONS SHOWN ALONG RETURNS AND AT POINTS OF CURVATURE, ETC. ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
3. REMOVAL OF EXISTING COMBINATION CURB AND GUTTER, REGARDLESS OF CURB AND GUTTER TYPE, SHALL BE PAID FOR AS "COMBINATION CURB AND GUTTER REMOVAL".
4. THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT, UNLESS OTHERWISE NOTED.
5. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON VILLAGE OR PRIVATE PROPERTY WITHOUT WRITTEN CONSENT FROM THE PROPERTY OWNER.
6. THE CURB SHALL BE TAPERED TO THE GUTTER IN A FIVE (5) FOOT LENGTH WHEREVER THE CURB AND GUTTER TERMINATES, WITH AN EXPANSION JOINT PLACED AT THE START OF THE TAPER.
7. DETECTABLE WARNINGS SHALL BE CONSTRUCTED WITH THE INSTALLATION OF AN ADA-COMPLIANT CAST-IN-PLACE COMPOSITE 24"x48" MINIMUM NOMINAL SIZE PANEL AS MANUFACTURED BY ARMOR-TILE, ADA SOLUTIONS, INC., OR TUFTILE AND APPROVED BY THE ENGINEER. THE DOMES LOCATED ON THE PANEL SHALL PARALLEL THE PAVEMENT CROSSWALK WITH THE CLOSEST EDGE LOCATED AT THE BACK OF CURB. THE CONTRASTING PANEL COLOR SHALL BE BRICK RED. INSTALLATION SHALL OCCUR IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
8. ALL FRAME AND LID CASTINGS LOCATED WITHIN THE PAVEMENT WHICH REQUIRE RESETTING TO FINISH GRADE SHALL BE BACKFILLED WITH CLASS SI CONCRETE AND ALLOWED TO CURE FOR 72 HOURS PRIOR TO PLACEMENT OF SURFACE COURSE. CLASS PP CONCRETE SHALL BE USED IF PLACEMENT OF SURFACE COURSE IS PLANNED IN LESS THAN 72 HOURS. HMA MATERIALS WILL NOT BE ALLOWED AS BACKFILL AROUND AN ADJUSTED CASTING. PAVEMENT FOR ADJUSTMENTS SHALL BE SAWCUT AND NOT JACK HAMMERED. THIS WORK SHALL APPLY TO ALL CASTINGS ADJUSTED OR RECONSTRUCTED AS PART OF THIS CONTRACT, WHETHER PAID FOR SEPARATELY OR INCLUDED IN OTHER CONTRACT WORK.
9. ACCESS TO COMMERCIAL AND PRIVATE DRIVEWAYS SHALL BE PROVIDED AT ALL TIMES. TEMPORARY RAMPS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE SUCH ACCESS, UTILIZING CRUSHED STONE OR CRUSHED GRAVEL.

STORM SEWERS AND UTILITIES

10. OFFSET DISTANCES GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE PROPOSED ROADWAY CENTERLINE.
11. UNLESS OTHERWISE NOTED, OFFSETS FOR DRAINAGE STRUCTURES LOCATED IN THE CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT AND OFFSETS FOR DRAINAGE STRUCTURES NOT LOCATED IN THE CURB AND GUTTER ARE TO THE CENTER OF THE STRUCTURE.
12. WHERE PROPOSED WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
13. IN ALL TRENCHES CROSSING DRIVEWAYS, SIDEWALKS, AND ALL PROPOSED AND EXISTING ROADWAYS, THE MATERIAL FOR THE TOP 12 INCHES SHALL BE CA-6 CRUSHED GRAVEL OR CRUSHED STONE AND BE INCLUDED IN THE PAY ITEM FOR TRENCH BACKFILL.
14. STORM SEWER SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 550.07, METHOD 1 ONLY.
15. ANY DAMAGE DONE TO WATER MAIN, WATER SERVICES, SANITARY SEWER, OR SANITARY SEWER SERVICES NOT CONSIDERED IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE.

SIGNING

16. ALL TRAFFIC CONTROL SIGNS SHALL BE INSTALLED IN PERMANENT LOCATIONS PRIOR TO OPENING TO TRAFFIC.

EARTHWORK

17. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
18. SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH ARTICLE 301.03 OF THE STANDARD SPECIFICATIONS BEFORE REMOVAL OF ANY UNSTABLE MATERIAL FOR UNDERCUTS.
19. PRIOR TO ANY EMBANKMENT PLACEMENT, ALL VEGETATION AND UNSTABLE MATERIAL SHOULD BE REMOVED TO DEPTH ENCOUNTERED AND REPLACED WITH SUITABLE EMBANKMENT MATERIAL AS APPROVED BY THE ENGINEER.

LANDSCAPING

20. ONLY SUITABLE TREES SHALL BE PLANTED NEAR/UNDER OVERHEAD WIRES. LOCATIONS OF TREES MAY BE ADJUSTED IN THE FIELD DURING CONSTRUCTION BY THE ENGINEER.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: _____ STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	3
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				70% FED 30% LOCAL	70% FED 30% LOCAL	70% FED 30% LOCAL	70% FED 30% LOCAL
				ROADWAY	TRAFFIC SIGNALS	LANDSCAPING	STRUCTURAL
				0003	0021	0031	0044
	URBAN	URBAN	URBAN	URBAN			
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	37,749	37,749			
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1,248	1,248			
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	3,148	3,148			
35400400	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 9"	SQ YD	30	30			
35501319	HOT-MIX ASPHALT BASE COURSE, 8 3/4"	SQ YD	492	492			
35600711	HOT-MIX ASPHALT BASE COURSE WIDENING, 8 3/4"	SQ YD	959	959			
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	220	220			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL- BUTT JOINT	SQ YD	69	69			
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	544	544			
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	550	550			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	3,520	3,520			
40700100	BITUMINOUS MATERIALS (TACK COAT)	POUND	20,670	20,670			
40701911	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 11 1/2"	SQ YD	30,621	30,621			
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	280	280			
42001300	PROTECTIVE COAT	SQ YD	4,642	4,642			

* INDICATES SPECIALTY ITEM
 \$ INDICATES CONSTRUCTION CODE 0042 TRAINEES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				70% FED 30% LOCAL	70% FED 30% LOCAL	70% FED 30% LOCAL	70% FED 30% LOCAL
				ROADWAY	TRAFFIC SIGNALS	LANDSCAPING	STRUCTURAL
				0003	0021	0031	0044
	URBAN	URBAN	URBAN	URBAN			
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	211	211			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	11,230	11,230			
42400800	DETECTABLE WARNINGS	SQ FT	352	352			
44000100	PAVEMENT REMOVAL	SQ YD	26,045	26,045			
44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	3,734	3,734			
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	997	997			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,403	2,403			
44000600	SIDEWALK REMOVAL	SQ FT	7,719	7,719			
44003100	MEDIAN REMOVAL	SQ FT	6,542	6,542			
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	2				2
50102400	CONCRETE REMOVAL	CU YD	10				10
50105220	PIPE CULVERT REMOVAL	FOOT	947	947			
50200100	STRUCTURE EXCAVATION	CU YD	8				8
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	100				100
50300225	CONCRETE STRUCTURES	CU YD	37.1				37.1

* INDICATES SPECIALTY ITEM
 \$ INDICATES CONSTRUCTION CODE 0042 TRAINEES

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE:	STA.	TO STA.	F.A.U. RTE. 1283	SECTION 14-00057-00-WR	COUNTY KANE	TOTAL SHEETS 173	SHEET NO. 5
CONTRACT NO. 61C86							FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-400314471

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				70% FED 30% LOCAL	70% FED 30% LOCAL	70% FED 30% LOCAL	70% FED 30% LOCAL
				ROADWAY	TRAFFIC SIGNALS	LANDSCAPING	STRUCTURAL
				0003	0021	0031	0044
	URBAN	URBAN	URBAN	URBAN			
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2,199	2,199			
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	651	651			
* 80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1		1		
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,124		1,124		
* 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	43		43		
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	53		53		
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	422		422		
* 81400100	HANDHOLE	EACH	4		4		
* 81400200	HEAVY-DUTY HANDHOLE	EACH	3		3		
* 81400300	DOUBLE HANDHOLE	EACH	2		2		
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	5	5			
* 84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	5	5			
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		1		
* 86400100	TRANSCERVER- FIBER OPTIC	EACH	1		1		
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,048		1,048		

* INDICATES SPECIALTY ITEM
S INDICATES CONSTRUCTION CODE 0042 TRAINEES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				70% FED 30% LOCAL	70% FED 30% LOCAL	70% FED 30% LOCAL	70% FED 30% LOCAL
				ROADWAY	TRAFFIC SIGNALS	LANDSCAPING	STRUCTURAL
				0003	0021	0031	0044
	URBAN	URBAN	URBAN	URBAN			
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,414		1,414		
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,168		2,168		
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,228		1,228		
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2,460		2,460		
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	191		191		
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,191		1,191		
* 87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1		1		
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2		2		
* 87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1		1		
* 87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1		1		
* 87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1		1		
* 87702750	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 50 FT. AND 30 FT.	EACH	1		1		
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12		12		
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4		
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	24		24		

* INDICATES SPECIALTY ITEM
S INDICATES CONSTRUCTION CODE 0042 TRAINEES

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DATE - 10-09-17	FILE - 140879SHT-500.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE:	STA.	TO STA.	F.A.U. RTE. 1283	SECTION 14-00057-00-WR	COUNTY KANE	TOTAL SHEETS 173	SHEET NO. 9
			CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT N-400314471							

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				70% FED 30% LOCAL	70% FED 30% LOCAL	70% FED 30% LOCAL	70% FED 30% LOCAL
				ROADWAY	TRAFFIC SIGNALS	LANDSCAPING	STRUCTURAL
				0003 URBAN	0021 URBAN	0031 URBAN	0041 URBAN
* A2008517	TREE, ULMUS JAPONICA X WILSONIANA MORTON (ACCOLADE ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	10			10	
* A20056G3	TREE, QUERCUS MACROCARPA (BURR OAK), CONTAINER GROWN, 3-GALLON	EACH	15			15	
* B2001616	TREE, CRATAEGUS CRUGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN), 2" CALIPER TREE FORM, BALLED AND BURLAPPED	EACH	26			26	
* B2006016	TREE, SYRINGA PEKINENSIS (PEKING LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	19			19	
* B2010016	TREE, AMELANCHIER CANADENSIS (SHADBLow SERVICEBERRY), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	3			3	
* K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	50	50			
* K0036120	MULCH PLACEMENT 4"	SQ YD	1,000			1,000	
X0323992	HELICAL GROUND ANCHORS	EACH	8				8
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	324		324		
* X0324719	CHECK VALVE 18"	EACH	1	1			
* X0325714	FLASHING BEACON, POST MOUNTED, SOLAR POWERED INSTALLATION	EACH	4	4			
X0326671	CONCRETE SURFACE COLOR TREATMENT	SQ FT	560				560
* X0326856	RADIO ACTIVATED SOLAR ADVANCE FLASHING BEACON SYSTEM (COMPLETE)	EACH	2	2			
X0327980	PAVEMENT MARKING REMOVAL- WATER BLASTING	SQ FT	6,808	6,808			
X0540000	BRICK PAVERS	SQ FT	6,043	6,043			

* INDICATES SPECIALTY ITEM
 \$ INDICATES CONSTRUCTION CODE 0042 TRAINEES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				70% FED 30% LOCAL	70% FED 30% LOCAL	70% FED 30% LOCAL	70% FED 30% LOCAL
				ROADWAY	TRAFFIC SIGNALS	LANDSCAPING	STRUCTURAL
				0003 URBAN	0021 URBAN	0031 URBAN	0041 URBAN
* X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1		1		
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	500	500			
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	4	4			
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	4	4			
X4023000	TEMPORARY ACCESS (ROAD)	EACH	10	10			
X4024100	TEMPORARY ACCESS (WINTERIZE)	SQ YD	709	709			
X6020094	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	4	4			
X6020102	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	6	6			
X6022055	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	2	2			
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	14	14			
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	1,080	1,080			
* X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		1		
* XX008497	CHECK VALVE 12"	EACH	1	1			
Z0004530	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"	SQ YD	265	265			

* INDICATES SPECIALTY ITEM
 \$ INDICATES CONSTRUCTION CODE 0042 TRAINEES

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	11
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)			CONTRACT NO. 61C86	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				70% FED 30% LOCAL	70% FED 30% LOCAL	70% FED 30% LOCAL	70% FED 30% LOCAL
				ROADWAY	TRAFFIC SIGNALS	LANDSCAPING	STRUCTURAL
				0003	0021	0031	004 4
	URBAN	URBAN	URBAN	URBAN			
Z0004538	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"	SQ YD	350	350			
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
Z0022800	FENCE REMOVAL	FOOT	110	110			
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	83	83			
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	623	623			
Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	207	207			
Z0056620	STORM SEWER (WATER MAIN REQUIREMENTS) 30 INCH	FOOT	29	29			
Z0062456	TEMPORARY PAVEMENT	SQ YD	5,025	5,025			
* Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1		1		
\$ Z0076600	TRAINEES	HOUR	2,000				
\$ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	2,000				

* INDICATES SPECIALTY ITEM
 \$ INDICATES CONSTRUCTION CODE 0042 TRAINEES

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: STA. TO STA.

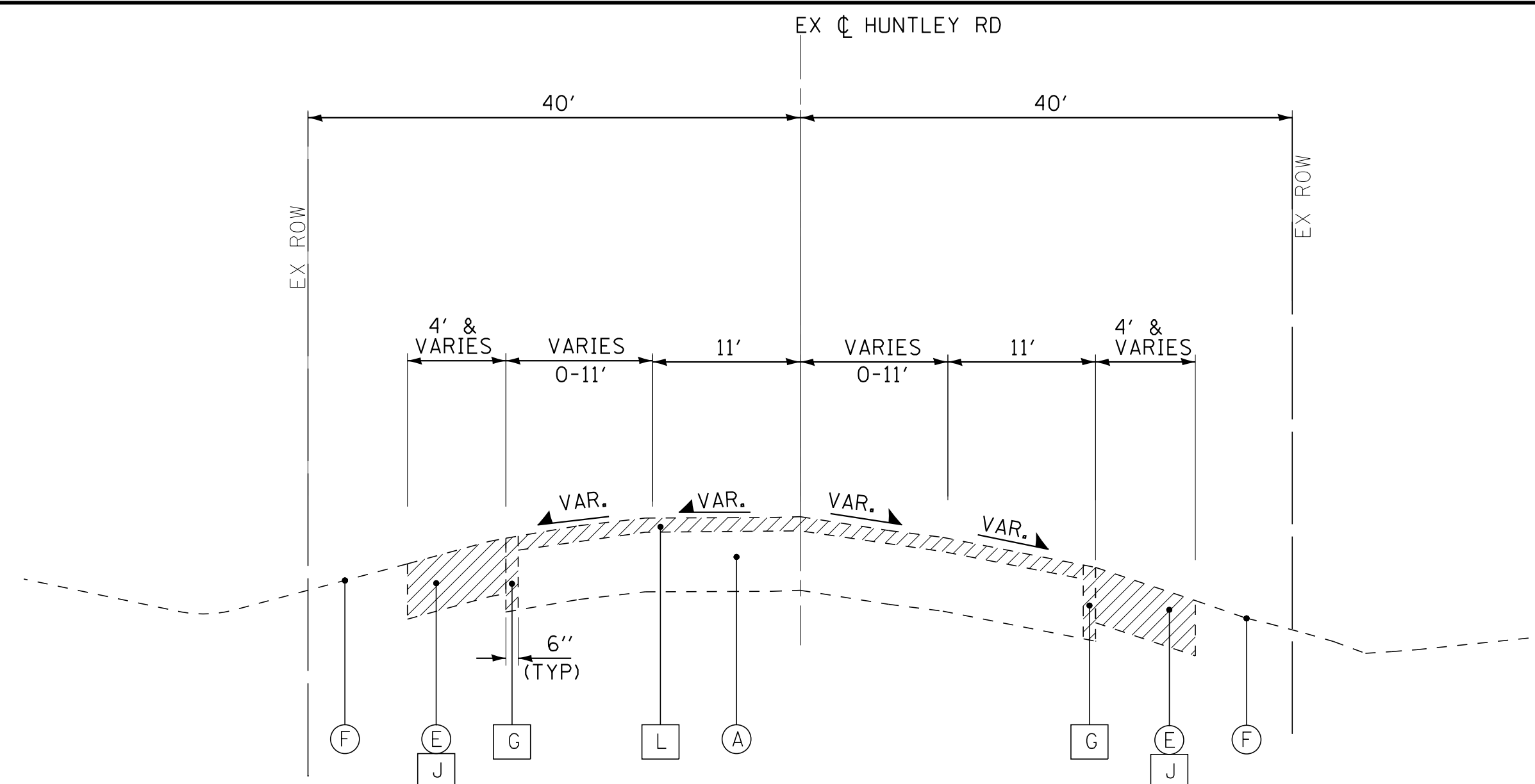
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	12
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)			CONTRACT NO. 61C86	

EXISTING LEGEND

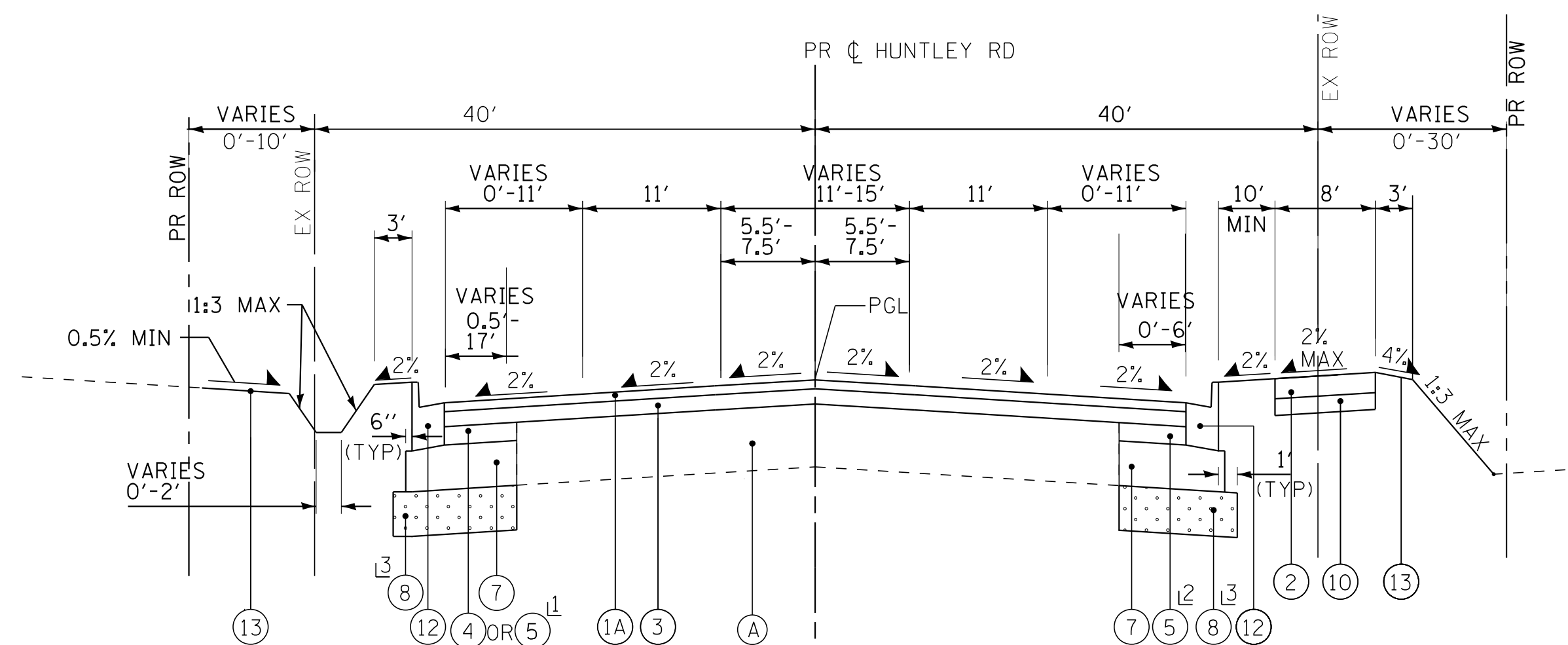
- (A) HOT-MIX ASPHALT PAVEMENT (8-1/2"±)
- (B) COMBINATION CONCRETE CURB AND GUTTER
- (C) CONCRETE MEDIAN
- (D) CONCRETE SIDEWALK
- (E) AGGREGATE SHOULDER
- (F) EXISTING GROUND
- (G) PAVEMENT REMOVAL
- (H) MEDIAN REMOVAL
- (I) COMBINATION CURB AND GUTTER REMOVAL
- (J) AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
- (K) SIDEWALK REMOVAL
- (L) HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
- (Hatched) ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) HMA (FULL DEPTH) PAVEMENT - 11-1/2"
- (1A) POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 (IL 9.5mm) - 2"
- (1B) POLYMERIZED HMA BINDER COURSE, IL-19.0, N90 - 2-1/4"
- (1C) HMA ASPHALT BASE COURSE (HMA BINDER IL-19mm)- 7-1/4" (IN 2 LIFTS)
- (2) HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm)- 3"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), (IL-4.75), N50- 3/4"
- (4) HOT-MIX ASPHALT BASE COURSE, 8-3/4" (WIDENING > 6 FT)
- (5) HOT-MIX ASPHALT BASE COURSE WIDENING, 8-3/4" (WIDENING 2 TO 6 FT)
- (6) PCC BASE COURSE WIDENING, 9" (WIDENING < 2 FT)
- (7) AGGREGATE SUBGRADE IMPROVEMENT - 12" (SQ YD)
- (8) AGGREGATE SUBGRADE IMPROVEMENT (UNDERCUTS BY CU YD) *SEE NEXT SHEET
- (9) AGGREGATE BASE COURSE, TYPE B - 4"
- (10) AGGREGATE BASE COURSE, TYPE B - 8"
- (11) CONCRETE MEDIAN TYPE SB-6.12
- (12) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12
- (13) SODDING, SALT TOLERANT OR SEED (SEE LANDSCAPING PLANS)
- (14) PORTLAND CEMENT CONCRETE SIDEWALK - 5"
- (15) BRICK PAVERS
- (15A) LIMESTONE SCREENING
- (15B) SUBBASE GRANULAR MATERIAL TYPE B



EXISTING TYPICAL SECTION
STA 261+45.26 TO STA 272+20



PROPOSED TYPICAL SECTION
STA 261+45.26 TO STA 272+20

- 1 (4) STA 268+15 TO STA 272+20 LT 2 (6) STA 261+45.26 TO STA 262+70.8 LT
- 3 (5) STA 261+85.5 TO STA 268+15 LT
- 4 (6) STA 261+45.26 TO STA 261+85.5 LT
- 5 (8) STA 261+45.26 TO STA 263+25 18" DEPTH WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 6 (8) STA 272+00 TO STA 272+20 18" DEPTH WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
FULL DEPTH PAVEMENT 11-1/2"- HUNTLEY ROAD	
POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 (IL 9.5mm): 2"	4% @70 GYR.
POLYMERIZED HMA BINDER COURSE, IL-19.0, N90: 2-1/4"	4% @90 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm): 7-1/4" (IN 2 LIFTS)	4% @90 GYR.
WIDENING AND RESURFACING- HUNTLEY ROAD	
POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 (IL 9.5mm): 2"	4% @70 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50: 3/4"	3.5% @50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm): 8-3/4" (IN 2 LIFTS)	4% @90 GYR.
MULTI-USE PATH	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) - 3"	4% @ 50 Gyr.
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) - 2"	4% @ 50 Gyr.
HMA BASE COURSE (HMA BINDER IL-19mm): PE-6", CE-8" (IN 2 LIFTS)	4% @ 50 Gyr.
TEMPORARY PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) - 2"	4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70- 6"	4% @ 70 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY THE DISTRICT ONE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.
* NOTE IF THE CONTRACTOR CHOOSES TO USE CONCRETE FOR TEMPORARY PAVEMENT, THE PC CONCRETE TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS, PCC PAVEMENT 8" THICK. TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS. SEE MAINTENANCE OF TRAFFIC PLANS FOR TEMPORARY PAVEMENT DETAIL.

**TYPICAL SECTIONS
HUNTLEY ROAD**

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	13
				CONTRACT NO. 61C86
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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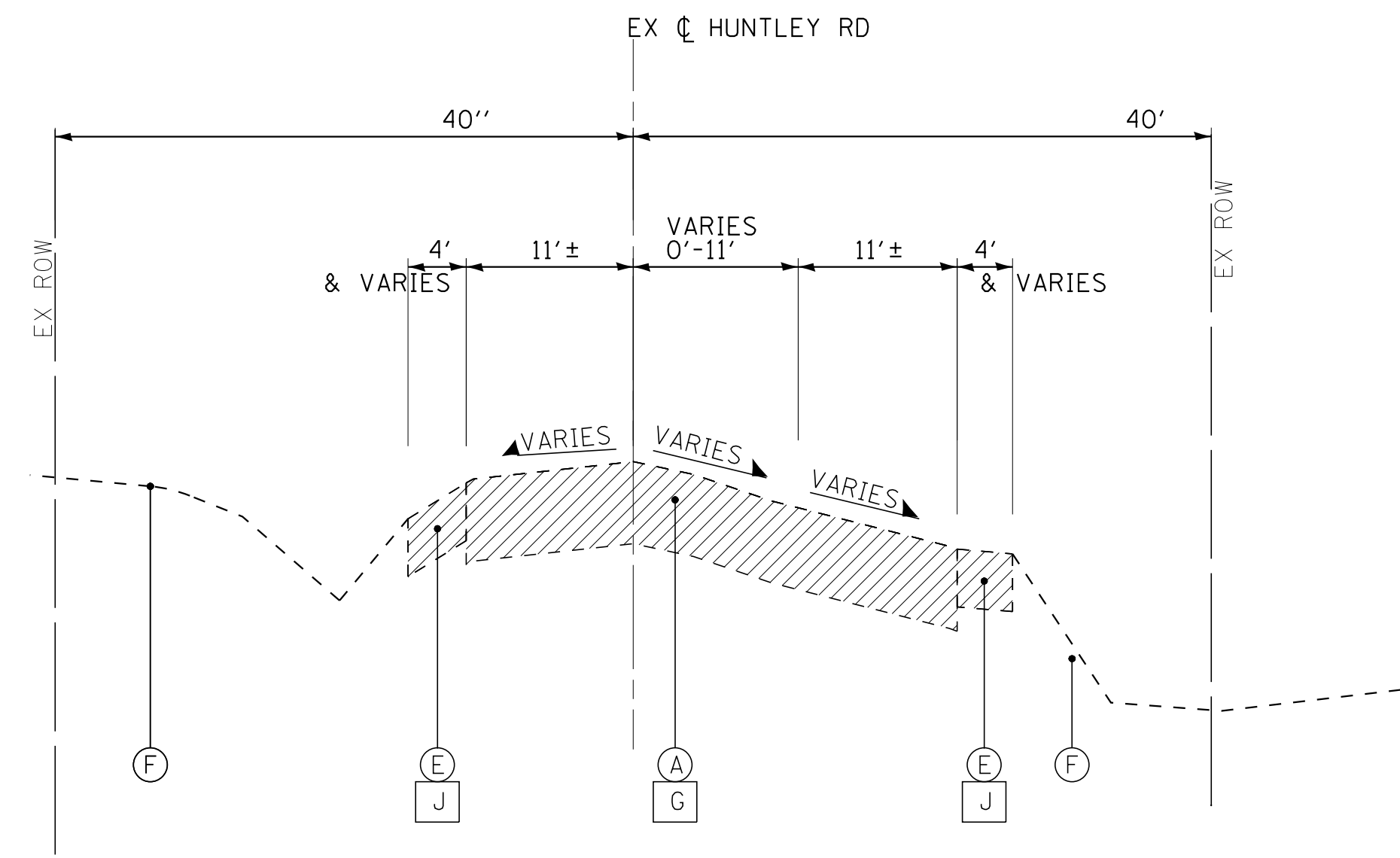
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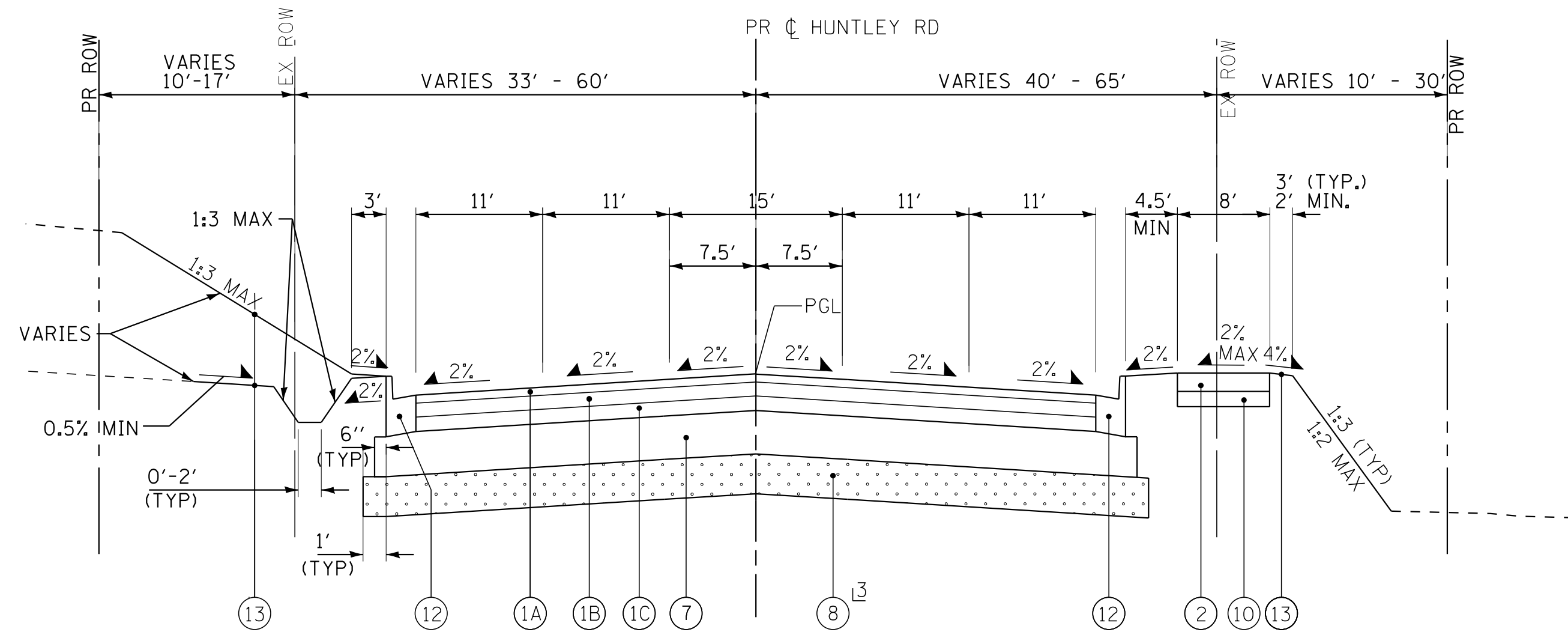
- (A) HOT-MIX ASPHALT PAVEMENT (8-1/2" +/-)
- (B) COMBINATION CONCRETE CURB AND GUTTER
- (C) CONCRETE MEDIAN
- (D) CONCRETE SIDEWALK
- (E) AGGREGATE SHOULDER
- (F) EXISTING GROUND
- (G) PAVEMENT REMOVAL
- (H) MEDIAN REMOVAL
- (I) COMBINATION CURB AND GUTTER REMOVAL
- (J) AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
- (K) SIDEWALK REMOVAL
- (L) HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
- [Hatched Box] ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) HMA (FULL DEPTH) PAVEMENT - 11-1/2"
- (1A) POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 (IL 9.5mm) - 2"
- (1B) POLYMERIZED HMA BINDER COURSE, IL-19.0, N90 - 2-1/4"
- (1C) HMA ASPHALT BASE COURSE (HMA BINDER IL-19mm)- 7-1/4" (IN 2 LIFTS)
- (2) HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm)- 3"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), (IL-4.75), N50- 3/4"
- (4) HOT-MIX ASPHALT BASE COURSE, 8-3/4" (WIDENING > 6 FT)
- (5) HOT-MIX ASPHALT BASE COURSE WIDENING, 8-3/4" (WIDENING 2 TO 6 FT)
- (6) PCC BASE COURSE WIDENING, 9" (WIDENING < 2 FT)
- (7) AGGREGATE SUBGRADE IMPROVEMENT - 12" (SQ YD)
- (8) AGGREGATE SUBGRADE IMPROVEMENT (UNDERCUTS BY CU YD)*
- (9) AGGREGATE BASE COURSE, TYPE B - 4"
- (10) AGGREGATE BASE COURSE, TYPE B - 8"
- (11) CONCRETE MEDIAN TYPE SB-6.12
- (12) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12
- (13) SODDING, SALT TOLERANT OR SEED (SEE LANDSCAPING PLANS)
- (14) PORTLAND CEMENT CONCRETE SIDEWALK - 5"
- (15) BRICK PAVERS
- (15A) LIMESTONE SCREENING
- (15B) SUBBASE GRANULAR MATERIAL TYPE B



EXISTING TYPICAL SECTION
STA 272+20 TO STA 282+93



12" STA 272+20 TO STA 277+50 12" DEPTH WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
PROPOSED TYPICAL SECTION
STA 272+20 TO STA 282+93

*AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH ASI OR EMBANKMENT AS DETERMINED BY THE ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR. A QUANTITY OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL SHALL ALSO BE DEDUCTED WITH NO ADDITIONAL COMPENSATION DUE THE CONTRACTOR. POTENTIAL UNDERCUT LOCATIONS ARE LISTED ON EACH TYPICAL SECTION.

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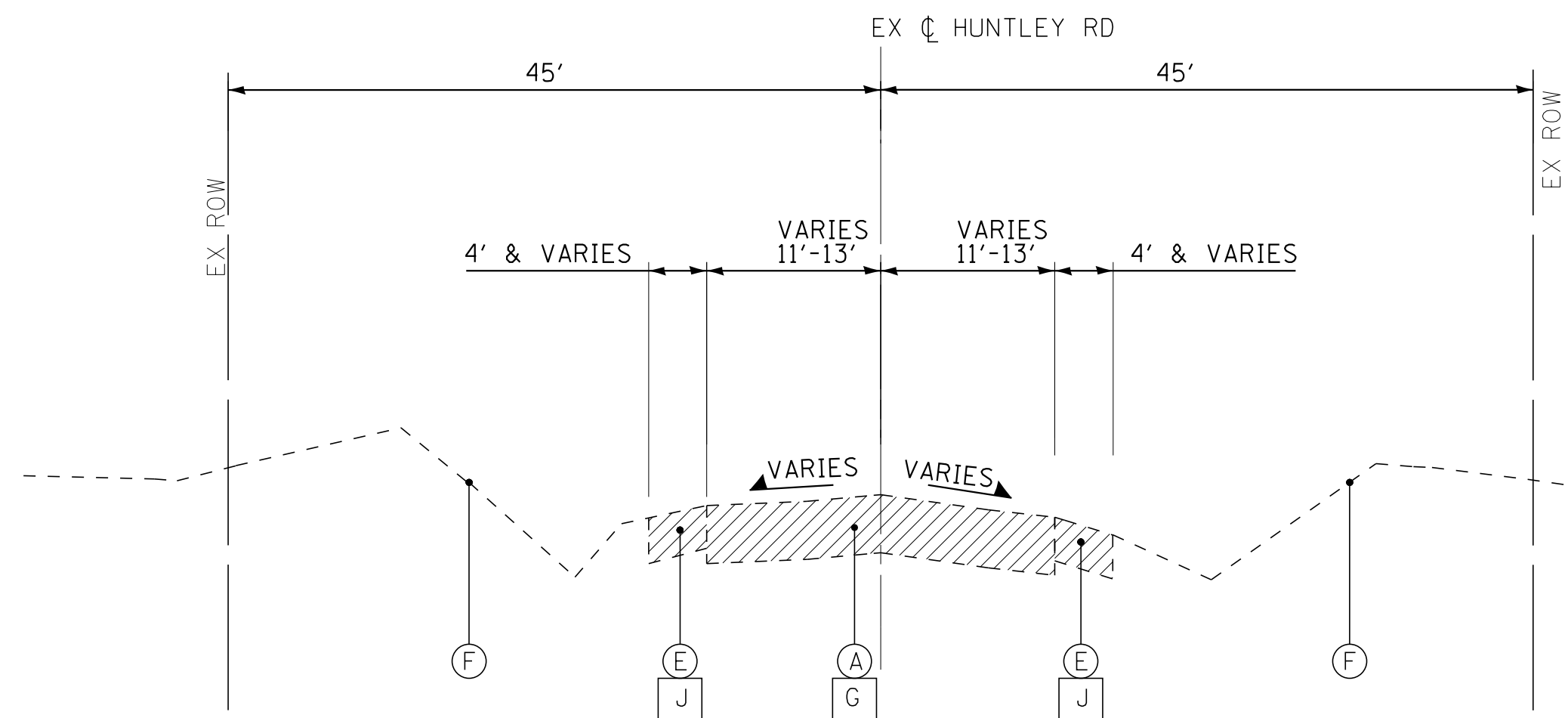
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
HUNTLEY ROAD

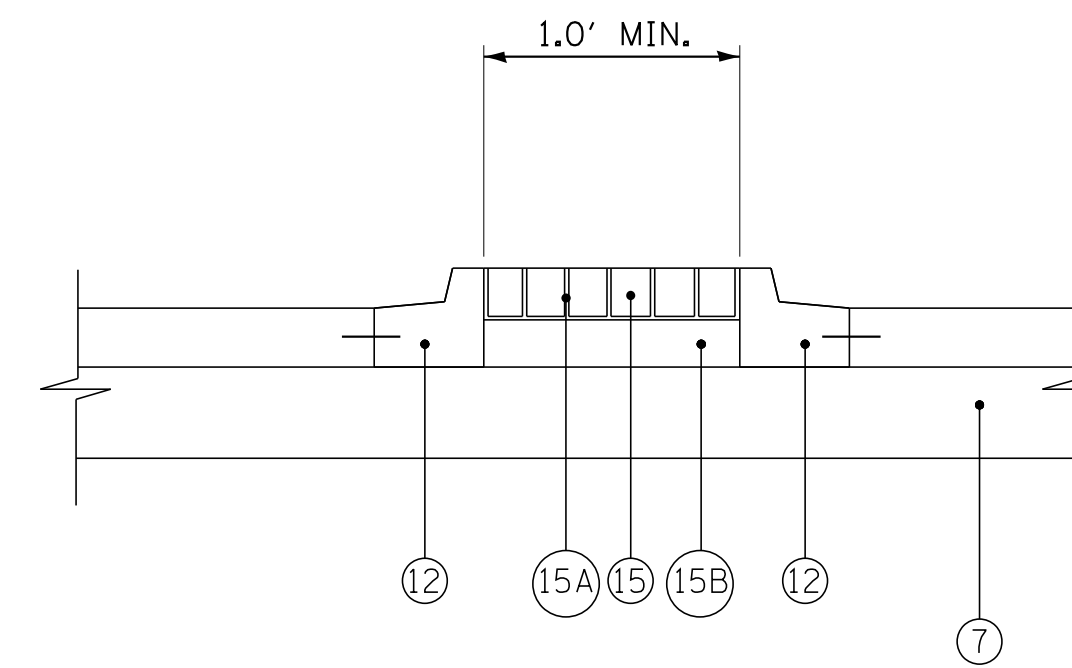
SCALE: TO STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	14
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)	



EXISTING TYPICAL SECTION

STA. 282+93 TO STA 283+97
STA 287+05 TO STA 290+12



BRICK PAVER DETAIL

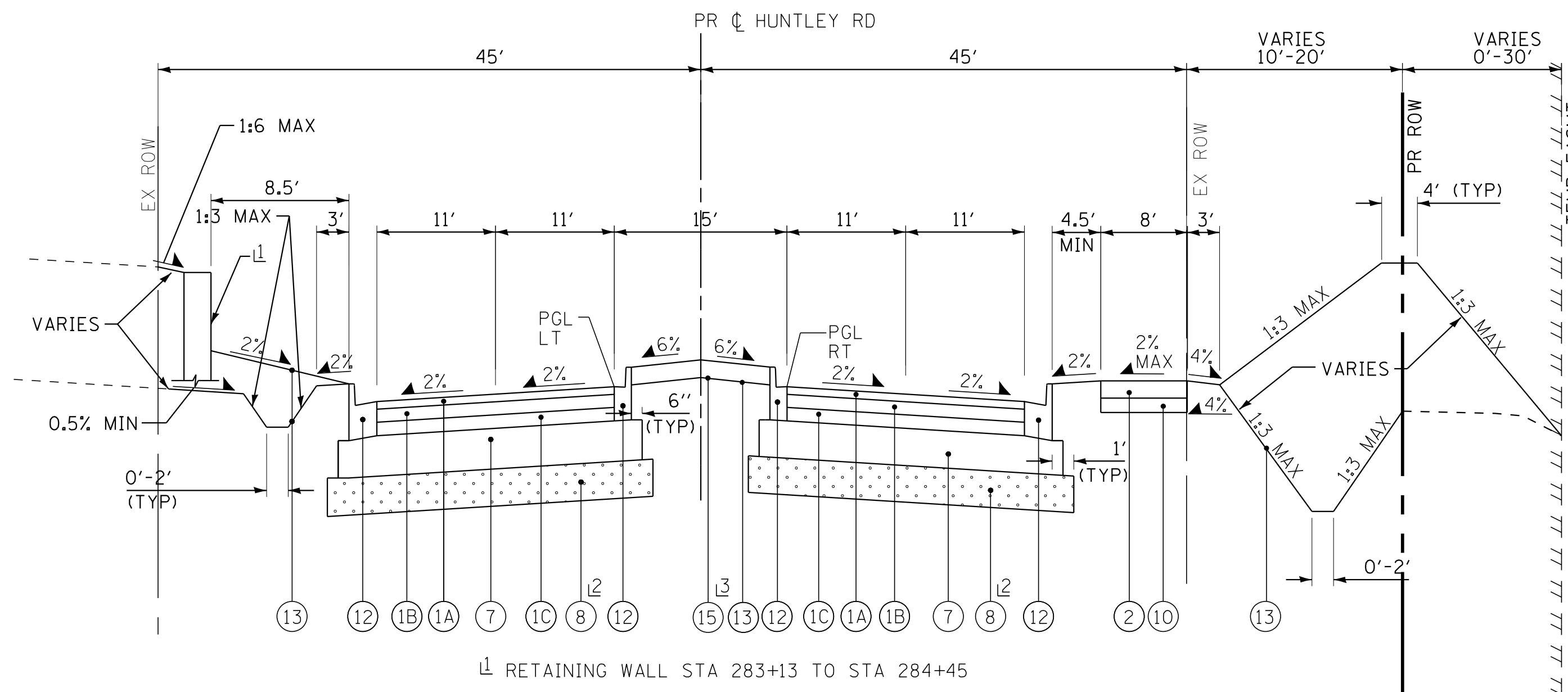
15A AND 15B ARE ALL INCLUDED IN THE COST FOR BRICK PAVERS

EXISTING LEGEND

- (A) HOT-MIX ASPHALT PAVEMENT (8-1/2" +/-)
- (B) COMBINATION CONCRETE CURB AND GUTTER
- (C) CONCRETE MEDIAN
- (D) CONCRETE SIDEWALK
- (E) AGGREGATE SHOULDER
- (F) EXISTING GROUND
- (G) PAVEMENT REMOVAL
- (H) MEDIAN REMOVAL
- (I) COMBINATION CURB AND GUTTER REMOVAL
- (J) AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
- (K) SIDEWALK REMOVAL
- (L) HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
- (Hatched) ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) HMA (FULL DEPTH) PAVEMENT - 11-1/2"
- (1A) POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 (IL 9.5mm) - 2"
- (1B) POLYMERIZED HMA BINDER COURSE, IL-19.0, N90 - 2-1/4"
- (1C) HMA ASPHALT BASE COURSE (HMA BINDER IL-19mm)- 7-1/4" (IN 2 LIFTS)
- (2) HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm)- 3"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), (IL-4.75), N50- 3/4"
- (4) HOT-MIX ASPHALT BASE COURSE, 8-3/4" (WIDENING > 6 FT)
- (5) HOT-MIX ASPHALT BASE COURSE WIDENING, 8-3/4" (WIDENING 2 TO 6 FT)
- (6) PCC BASE COURSE WIDENING, 9" (WIDENING < 2 FT)
- (7) AGGREGATE SUBGRADE IMPROVEMENT - 12" (SQ YD)
- (8) AGGREGATE SUBGRADE IMPROVEMENT (UNDERCUTS BY CU YD)
- (9) AGGREGATE BASE COURSE, TYPE B - 4"
- (10) AGGREGATE BASE COURSE, TYPE B - 8"
- (11) CONCRETE MEDIAN TYPE SB-6.12
- (12) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12
- (13) SODDING, SALT TOLERANT OR SEED (SEE LANDSCAPING PLANS)
- (14) PORTLAND CEMENT CONCRETE SIDEWALK - 5"
- (15) BRICK PAVERS
- (15A) LIMESTONE SCREENING
- (15B) SUBBASE GRANULAR MATERIAL TYPE B



- 1 RETAINING WALL STA 283+13 TO STA 284+45
- 2 STA 287+05 TO STA 289+50 12" DEPTH WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 3 STA 282+92 TO STA 283+78

PROPOSED TYPICAL SECTION

STA 282+93 TO STA 283+97
STA 287+05 TO STA 290+12

* AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH ASI OR EMBANKMENT AS DETERMINED BY THE ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR. A QUANTITY OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL SHALL ALSO BE DEDUCTED WITH NO ADDITIONAL COMPENSATION DUE THE CONTRACTOR. POTENTIAL UNDERCUT LOCATIONS ARE LISTED ON EACH TYPICAL SECTION.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
HUNTLEY ROAD

SCALE: STA. TO STA.

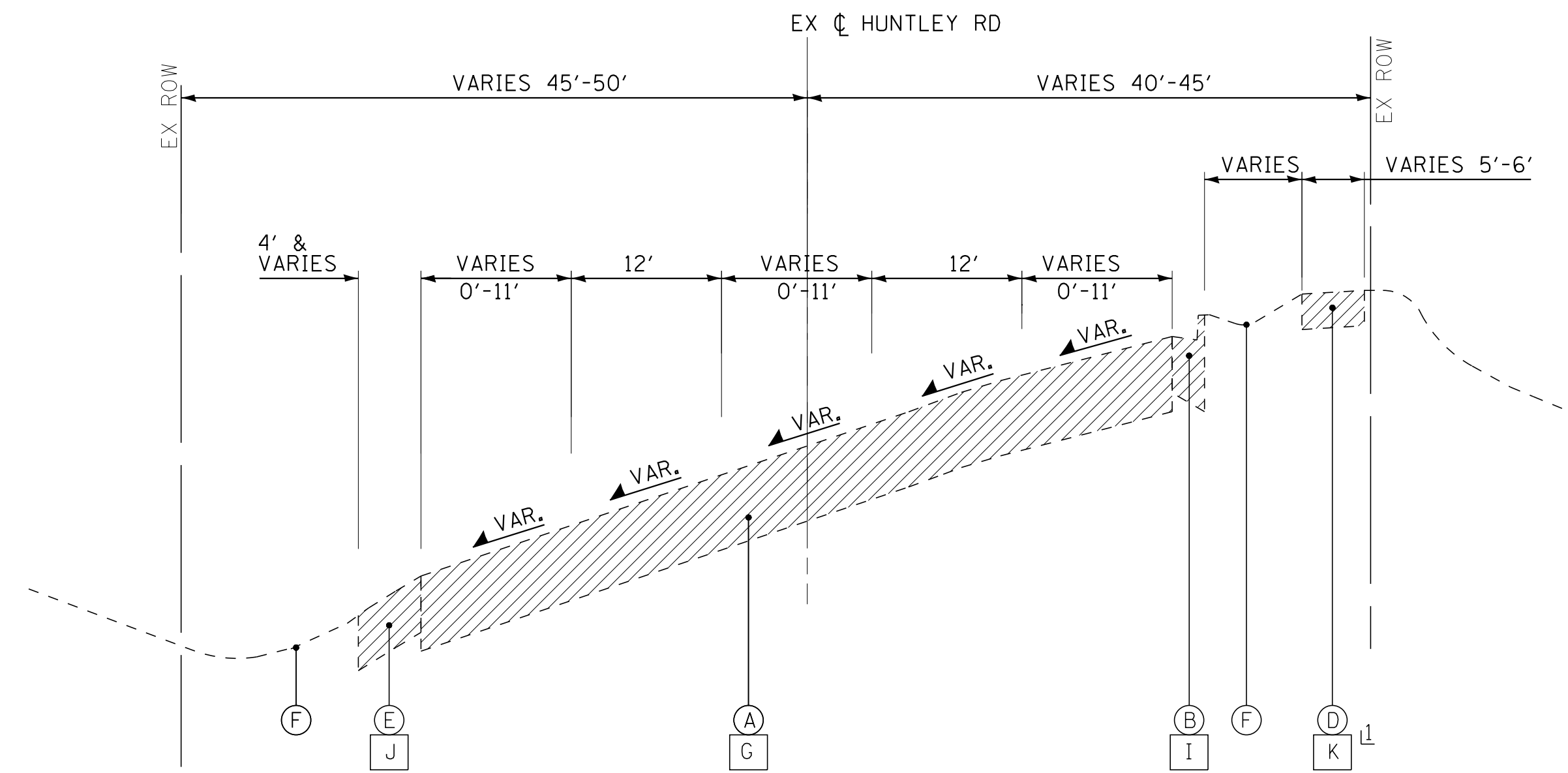
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	15
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	

EXISTING LEGEND

- (A) HOT-MIX ASPHALT PAVEMENT (8-1/2" +/-)
- (B) COMBINATION CONCRETE CURB AND GUTTER
- (C) CONCRETE MEDIAN
- (D) CONCRETE SIDEWALK
- (E) AGGREGATE SHOULDER
- (F) EXISTING GROUND
- (G) PAVEMENT REMOVAL
- (H) MEDIAN REMOVAL
- (I) COMBINATION CURB AND GUTTER REMOVAL
- (J) AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
- (K) SIDEWALK REMOVAL
- (L) HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
- [Hatched Box] ITEM TO BE REMOVED

PROPOSED LEGEND

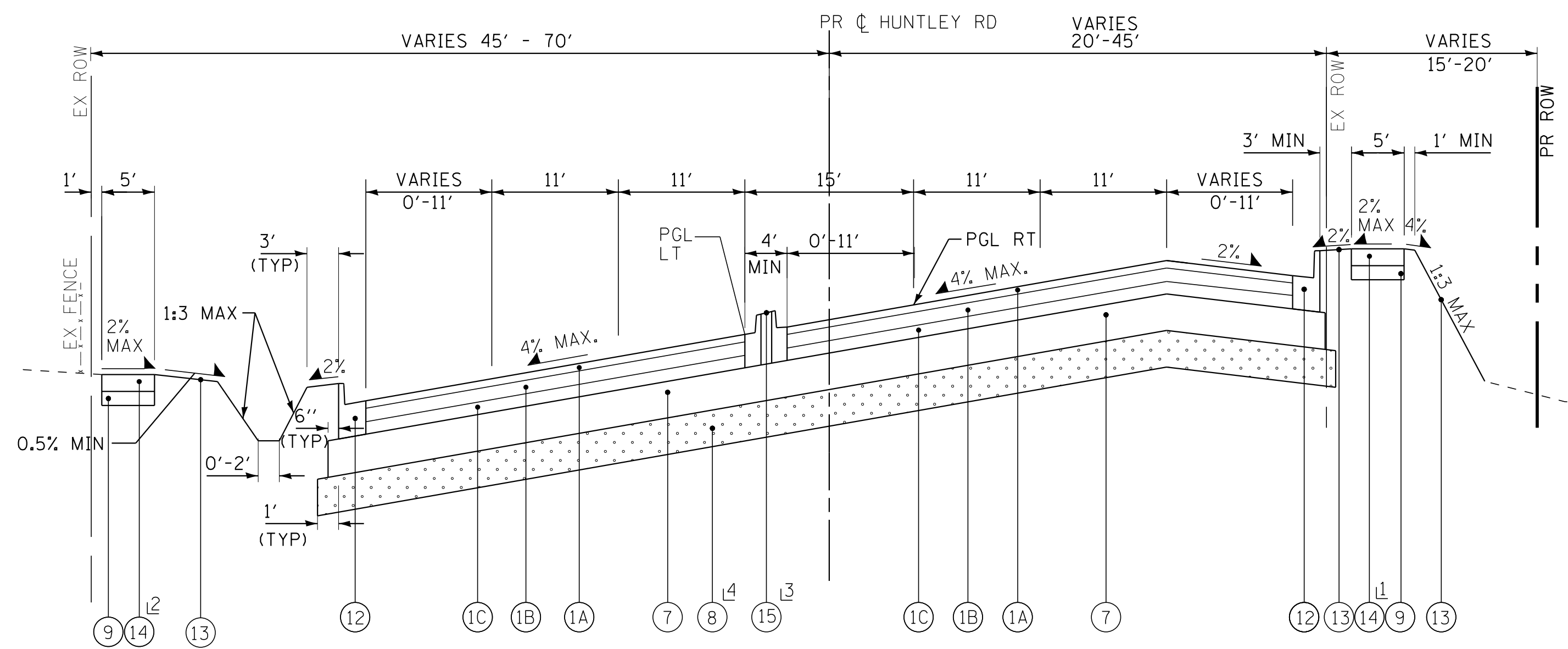
- (1) HMA (FULL DEPTH) PAVEMENT - 11-1/2"
- (1A) POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 (IL 9.5mm) - 2"
- (1B) POLYMERIZED HMA BINDER COURSE, IL-19.0, N90 - 2-1/4"
- (1C) HMA ASPHALT BASE COURSE (HMA BINDER IL-19mm)- 7-1/4" (IN 2 LIFTS)
- (2) HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm)- 3"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), (IL-4.75), N50- 3/4"
- (4) HOT-MIX ASPHALT BASE COURSE, 8-3/4" (WIDENING > 6 FT)
- (5) HOT-MIX ASPHALT BASE COURSE WIDENING, 8-3/4" (WIDENING 2 TO 6 FT)
- (6) PCC BASE COURSE WIDENING, 9" (WIDENING < 2 FT)
- (7) AGGREGATE SUBGRADE IMPROVEMENT - 12" (SQ YD)
- (8) AGGREGATE SUBGRADE IMPROVEMENT (UNDERCUTS BY CU YD)
- (9) AGGREGATE BASE COURSE, TYPE B - 4"
- (10) AGGREGATE BASE COURSE, TYPE B - 8"
- (11) CONCRETE MEDIAN TYPE SB-6.12
- (12) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12
- (13) SODDING, SALT TOLERANT OR SEED (SEE LANDSCAPING PLANS)
- (14) PORTLAND CEMENT CONCRETE SIDEWALK - 5"
- (15) BRICK PAVERS
- (15A) LIMESTONE SCREENING
- (15B) SUBBASE GRANULAR MATERIAL TYPE B



EXISTING TYPICAL SECTION

STA 290+12 TO STA 298+75

⊥ WHERE SHOWN ON PLANS



PROPOSED TYPICAL SECTION

STA 290+12 TO STA 298+75

⊥ STA 293+23 TO STA 297+91 RT

⊥ STA 293+00 TO STA 296+00 12" DEPTH WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

⊥ STA 293+14 TO STA 298+75 LT

⊥ STA 290+62.74 TO STA 293+13.47
STA 294+23.28 TO STA 296+18.99

(12) & (13) FOR MEDIANS > 7' WIDE

* AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSUITABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH ASI OR EMBANKMENT AS DETERMINED BY THE ENGINEER. IF UNSUITABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR. A QUANTITY OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL SHALL ALSO BE DEDUCTED WITH NO ADDITIONAL COMPENSATION DUE THE CONTRACTOR. POTENTIAL UNDERCUT LOCATIONS ARE LISTED ON EACH TYPICAL SECTION.

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CHECKED - DTH	REVISED -
DATE - 10-09-17	FILE - 140879SHT-TypSect.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

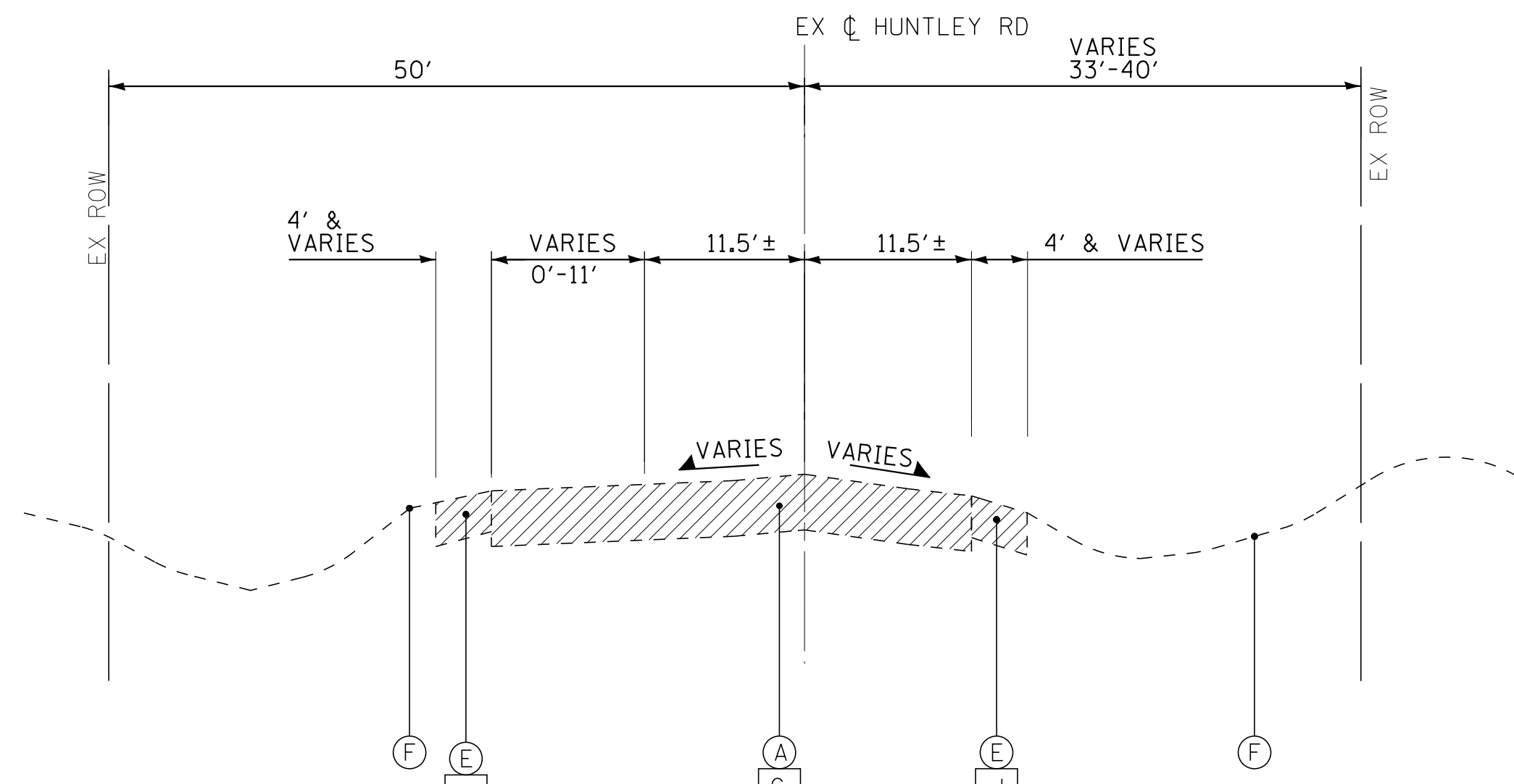
**TYPICAL SECTIONS
HUNTLEY ROAD**

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	17
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)	

EXISTING LEGEND

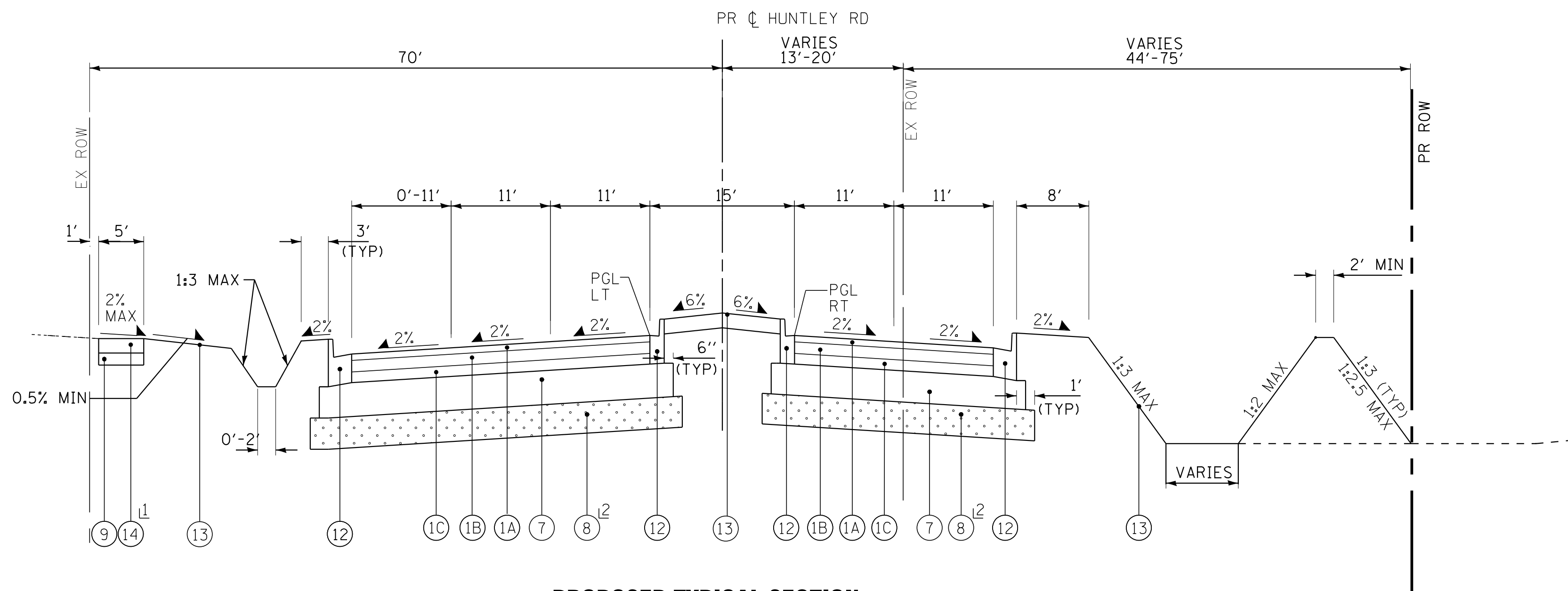
- (A) HOT-MIX ASPHALT PAVEMENT (8-1/2" +/-)
- (B) COMBINATION CONCRETE CURB AND GUTTER
- (C) CONCRETE MEDIAN
- (D) CONCRETE SIDEWALK
- (E) AGGREGATE SHOULDER
- (F) EXISTING GROUND
- (G) PAVEMENT REMOVAL
- (H) MEDIAN REMOVAL
- (I) COMBINATION CURB AND GUTTER REMOVAL
- (J) AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
- (K) SIDEWALK REMOVAL
- (L) HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
- [Hatched Box] ITEM TO BE REMOVED



EXISTING TYPICAL SECTION
STA 298+75 TO STA 308+16

PROPOSED LEGEND

- (1) HMA (FULL DEPTH) PAVEMENT - 11-1/2"
- (1A) POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 (IL 9.5mm) - 2"
- (1B) POLYMERIZED HMA BINDER COURSE, IL-19.0, N90 - 2-1/4"
- (1C) HMA ASPHALT BASE COURSE (HMA BINDER IL-19mm)- 7-1/4" (IN 2 LIFTS)
- (2) HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm)- 3"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), (IL-4.75), N50- 3/4"
- (4) HOT-MIX ASPHALT BASE COURSE, 8-3/4" (WIDENING > 6 FT)
- (5) HOT-MIX ASPHALT BASE COURSE WIDENING, 8-3/4" (WIDENING 2 TO 6 FT)
- (6) PCC BASE COURSE WIDENING, 9" (WIDENING < 2 FT)
- (7) AGGREGATE SUBGRADE IMPROVEMENT - 12" (SO YD)
- (8) AGGREGATE SUBGRADE IMPROVEMENT (UNDERCUTS BY CU YD)*
- (9) AGGREGATE BASE COURSE, TYPE B - 4"
- (10) AGGREGATE BASE COURSE, TYPE B - 8"
- (11) CONCRETE MEDIAN TYPE SB-6.12
- (12) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12
- (13) SODDING, SALT TOLERANT OR SEED (SEE LANDSCAPING PLANS)
- (14) PORTLAND CEMENT CONCRETE SIDEWALK - 5"
- (15) BRICK PAVERS
- (15A) LIMESTONE SCREENING
- (15B) SUBBASE GRANULAR MATERIAL TYPE B



PROPOSED TYPICAL SECTION
STA 298+75 TO STA 301+04
STA 304+58 TO STA 306+23

1 STA 298+75 TO STA 301+04

2 STA 299+00 TO STA 301+04 12" DEPTH
WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

*AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH ASI OR EMBANKMENT AS DETERMINED BY THE ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR. A QUANTITY OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL SHALL ALSO BE DEDUCTED WITH NO ADDITIONAL COMPENSATION DUE THE CONTRACTOR. POTENTIAL UNDERCUT LOCATIONS ARE LISTED ON EACH TYPICAL SECTION.

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DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
HUNTLEY ROAD**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	18
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				

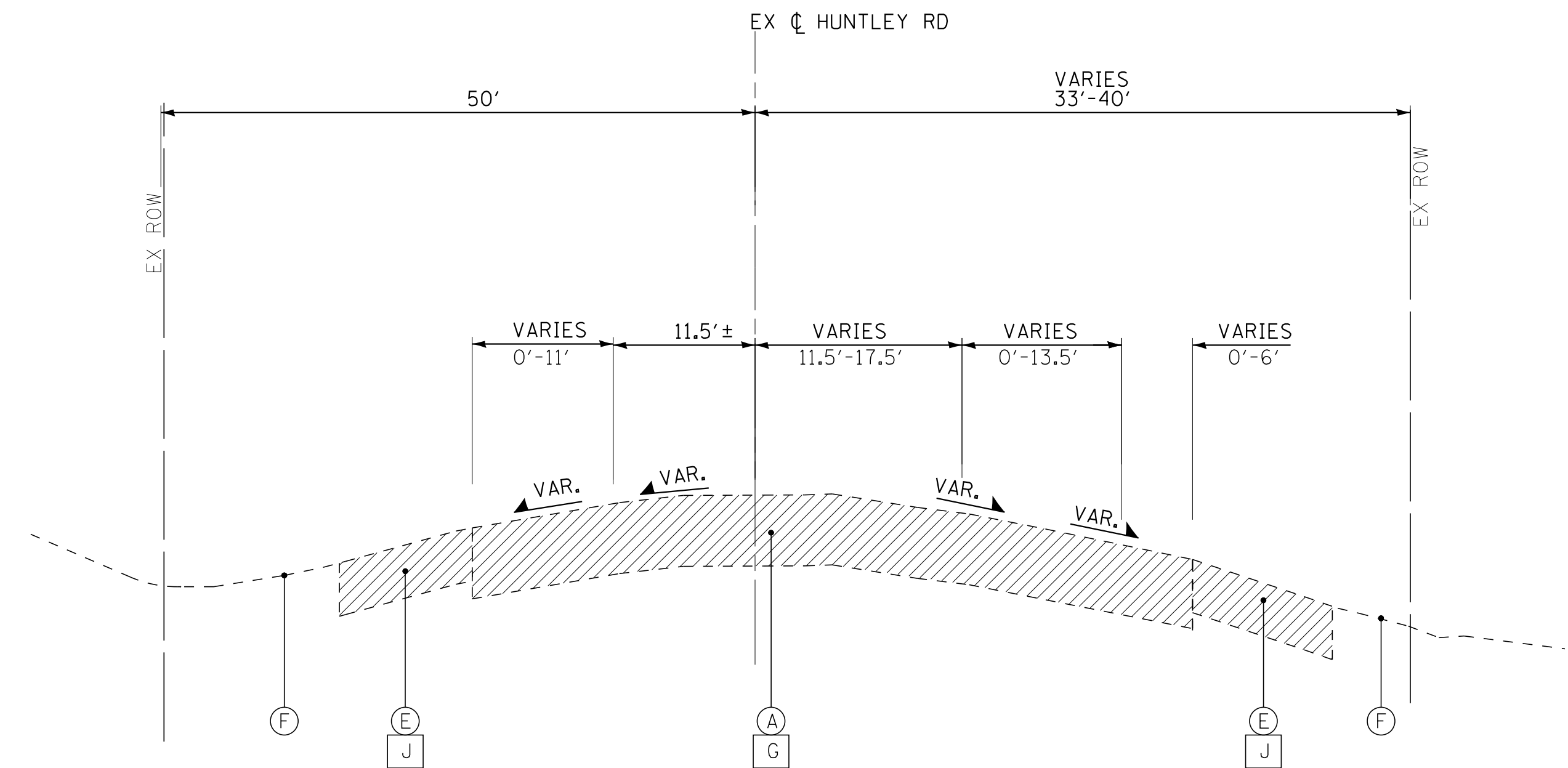
SCALE: _____ STA. _____ TO STA. _____

EXISTING LEGEND

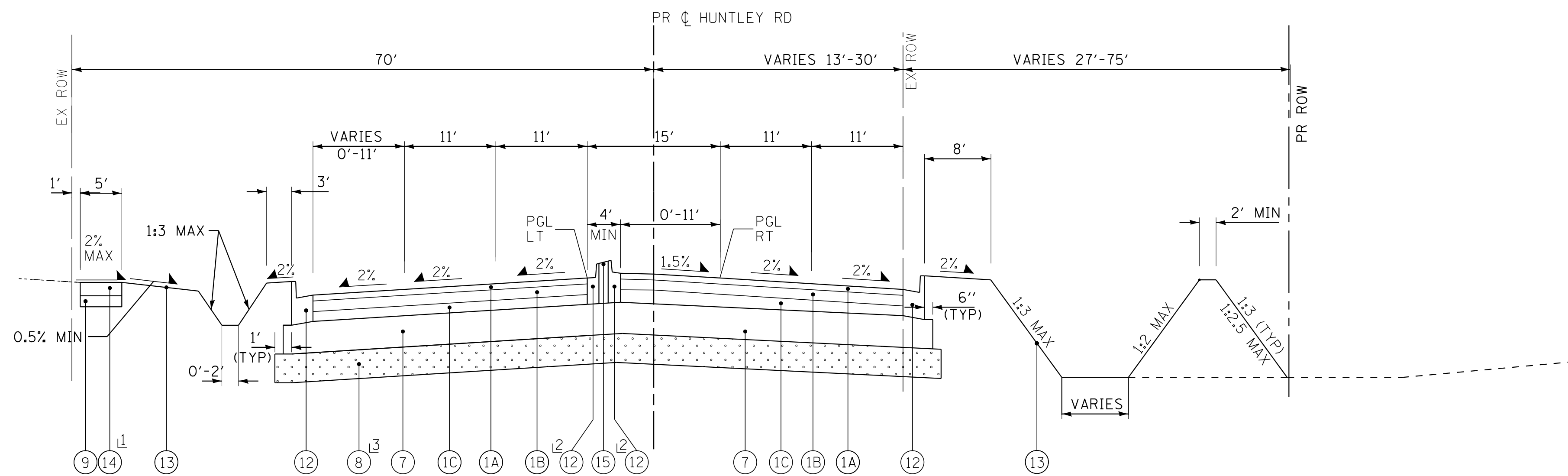
- (A) HOT-MIX ASPHALT PAVEMENT (8-1/2" +/-)
- (B) COMBINATION CONCRETE CURB AND GUTTER
- (C) CONCRETE MEDIAN
- (D) CONCRETE SIDEWALK
- (E) AGGREGATE SHOULDER
- (F) EXISTING GROUND
- (G) PAVEMENT REMOVAL
- (H) MEDIAN REMOVAL
- (I) COMBINATION CURB AND GUTTER REMOVAL
- (J) AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
- (K) SIDEWALK REMOVAL
- (L) HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
- [Hatched Box] ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) HMA (FULL DEPTH) PAVEMENT - 11-1/2"
- (1A) POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 (IL 9.5mm) - 2"
- (1B) POLYMERIZED HMA BINDER COURSE, IL-19.0, N90 - 2-1/4"
- (1C) HMA ASPHALT BASE COURSE (HMA BINDER IL-19mm)- 7-1/4" (IN 2 LIFTS)
- (2) HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm)- 3"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), (IL-4.75), N50- 3/4"
- (4) HOT-MIX ASPHALT BASE COURSE, 8-3/4" (WIDENING > 6 FT)
- (5) HOT-MIX ASPHALT BASE COURSE WIDENING, 8-3/4" (WIDENING 2 TO 6 FT)
- (6) PCC BASE COURSE WIDENING, 9" (WIDENING < 2 FT)
- (7) AGGREGATE SUBGRADE IMPROVEMENT - 12" (SO YD)
- (8) AGGREGATE SUBGRADE IMPROVEMENT (UNDERCUTS BY CU YD)*
- (9) AGGREGATE BASE COURSE, TYPE B - 4"
- (10) AGGREGATE BASE COURSE, TYPE B - 8"
- (11) CONCRETE MEDIAN TYPE SB-6.12
- (12) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12
- (13) SODDING, SALT TOLERANT OR SEED (SEE LANDSCAPING PLANS)
- (14) PORTLAND CEMENT CONCRETE SIDEWALK - 5"
- (15) BRICK PAVERS
- (15A) LIMESTONE SCREENING
- (15B) SUBBASE GRANULAR MATERIAL TYPE B



EXISTING TYPICAL SECTION
STA 308+16 TO STA 311+28



PROPOSED TYPICAL SECTION
STA 301+04 TO STA 304+58
STA 306+23 TO STA 309+77

- 1 STA 301+04 TO STA 304+34
- 2 STA 302+29.02 TO STA 304+24.30
STA 307+48.14 TO STA 309+43.46
(12) & (13) FOR MEDIANS > 7' WIDE
- 3 STA 301+04 TO STA 302+00 12" DEPTH
STA 308+00 TO STA 311+00 12" DEPTH
WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

*AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH ASI OR EMBANKMENT AS DETERMINED BY THE ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR. A QUANTITY OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL SHALL ALSO BE DEDUCTED WITH NO ADDITIONAL COMPENSATION DUE THE CONTRACTOR. POTENTIAL UNDERCUT LOCATIONS ARE LISTED ON EACH TYPICAL SECTION.

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	CHECKED - DTH	REVISED -
	DATE - 10-09-17	FILE - 140879SHT-TypSect.dgn

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DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
HUNTLEY ROAD**

SCALE: _____ STA. _____ TO STA. _____

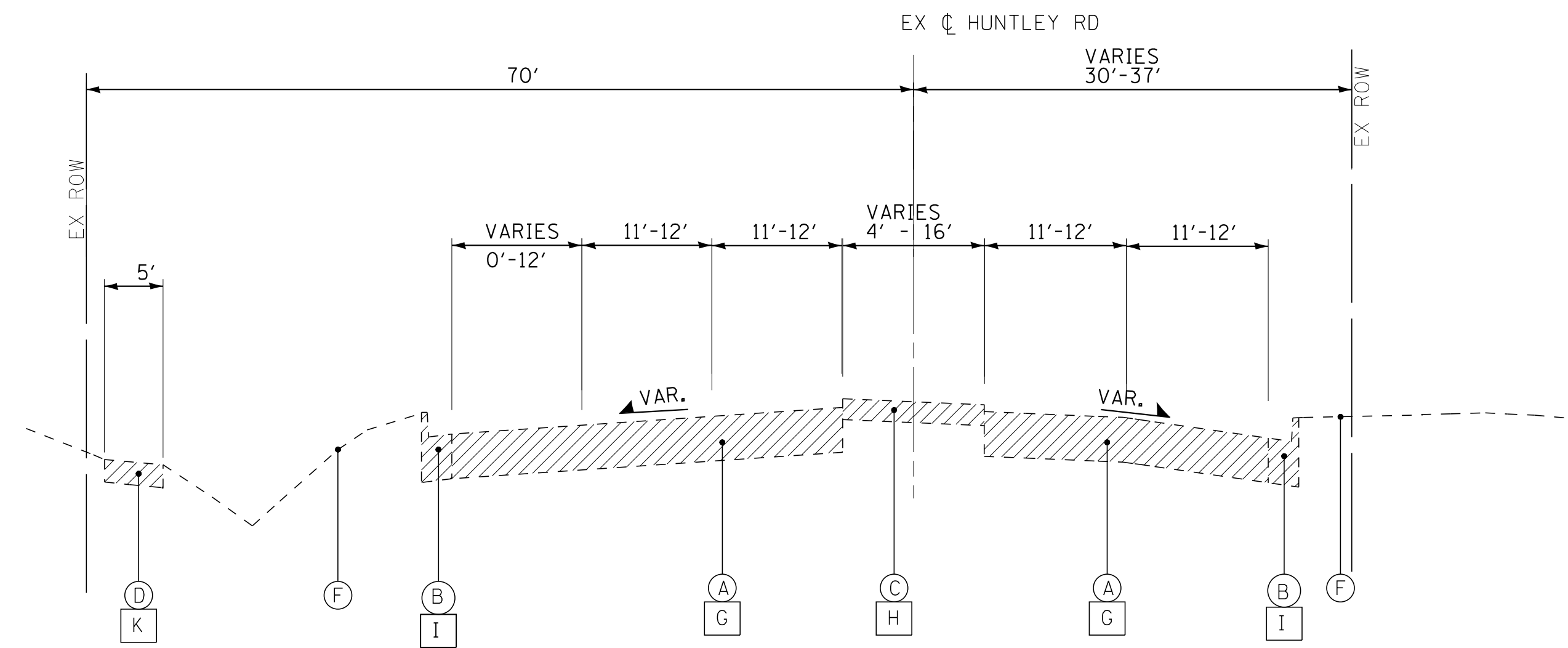
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	19
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				

EXISTING LEGEND

- (A) HOT-MIX ASPHALT PAVEMENT (8-1/2" +/-)
- (B) COMBINATION CONCRETE CURB AND GUTTER
- (C) CONCRETE MEDIAN
- (D) CONCRETE SIDEWALK
- (E) AGGREGATE SHOULDER
- (F) EXISTING GROUND
- (G) PAVEMENT REMOVAL
- (H) MEDIAN REMOVAL
- (I) COMBINATION CURB AND GUTTER REMOVAL
- (J) AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
- (K) SIDEWALK REMOVAL
- (L) HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
- [Hatched Box] ITEM TO BE REMOVED

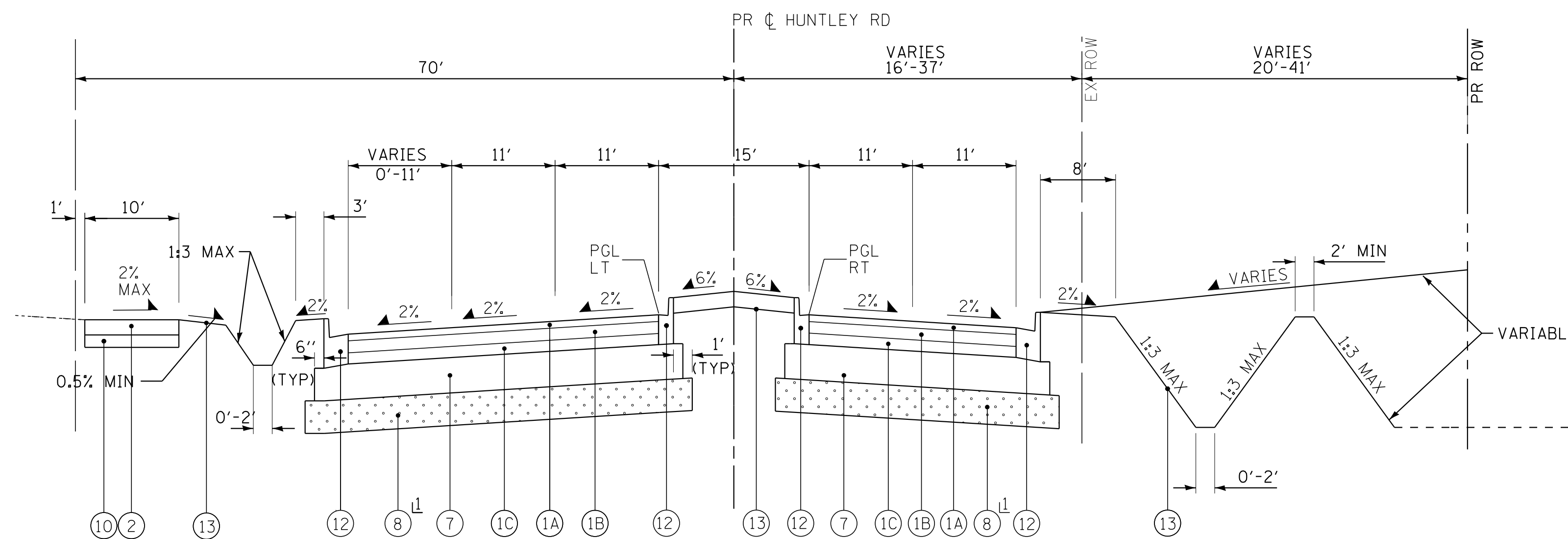
PROPOSED LEGEND

- (1) HMA (FULL DEPTH) PAVEMENT - 11-1/2"
- (1A) POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 (IL 9.5mm) - 2"
- (1B) POLYMERIZED HMA BINDER COURSE, IL-19.0, N90 - 2-1/4"
- (1C) HMA ASPHALT BASE COURSE (HMA BINDER IL-19mm)- 7-1/4" (IN 2 LIFTS)
- (2) HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm)- 3"
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- (5) HOT-MIX ASPHALT BASE COURSE WIDENING, 8-3/4" (WIDENING 2 TO 6 FT)
- (6) PCC BASE COURSE WIDENING, 9" (WIDENING < 2 FT)
- (7) AGGREGATE SUBGRADE IMPROVEMENT - 12" (SO YD)
- (8) AGGREGATE SUBGRADE IMPROVEMENT (UNDERCUTS BY CU YD)*
- (9) AGGREGATE BASE COURSE, TYPE B - 4"
- (10) AGGREGATE BASE COURSE, TYPE B - 8"
- (11) CONCRETE MEDIAN TYPE SB-6.12
- (12) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12
- (13) SODDING, SALT TOLERANT OR SEED (SEE LANDSCAPING PLANS)
- (14) PORTLAND CEMENT CONCRETE SIDEWALK - 5"
- (15) BRICK PAVERS
- (15A) LIMESTONE SCREENING
- (15B) SUBBASE GRANULAR MATERIAL TYPE B



EXISTING TYPICAL SECTION

STA 311+28 TO STA 314+23



12" STA 309+77 TO STA 311+00 12" DEPTH WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

PROPOSED TYPICAL SECTION

STA 309+77 TO STA 313+65

*AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH ASI OR EMBANKMENT AS DETERMINED BY THE ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR. A QUANTITY OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL SHALL ALSO BE DEDUCTED WITH NO ADDITIONAL COMPENSATION DUE THE CONTRACTOR. POTENTIAL UNDERCUT LOCATIONS ARE LISTED ON EACH TYPICAL SECTION.

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DATE - 10-09-17	FILE - 140879SHT-TypSect.dgn

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DEPARTMENT OF TRANSPORTATION**

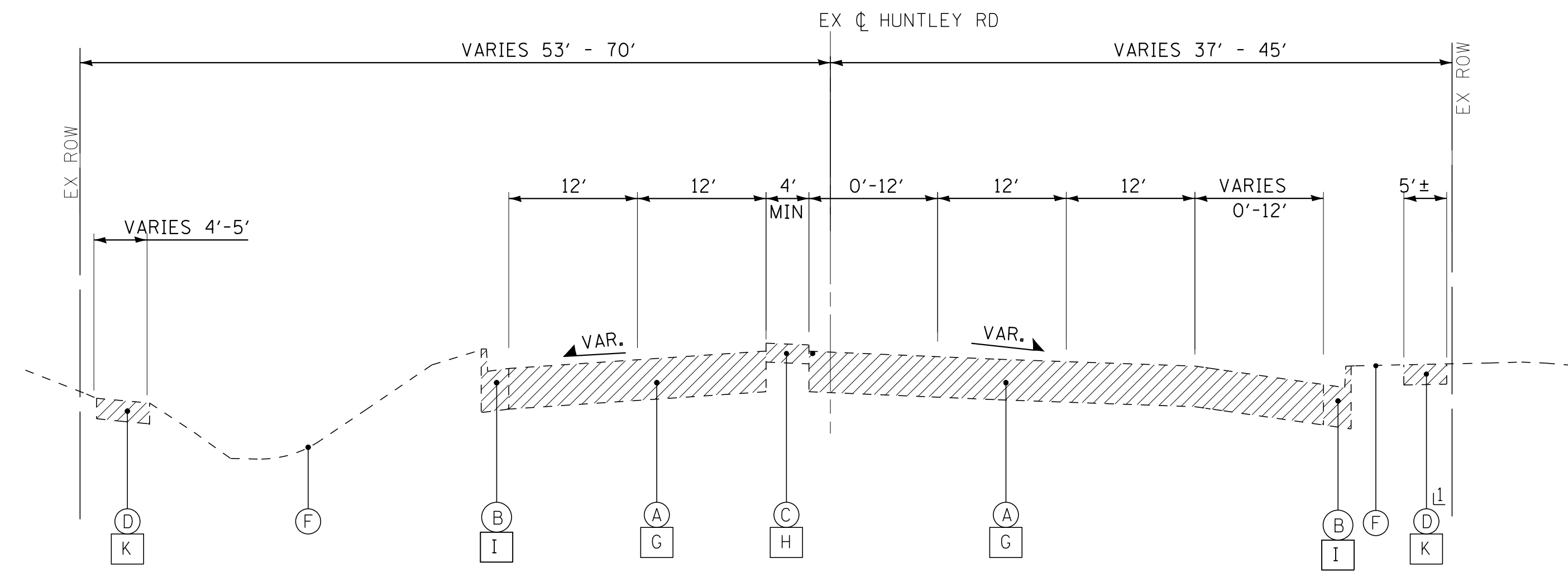
**TYPICAL SECTIONS
HUNTLEY ROAD**

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	20
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)	

EXISTING LEGEND

- (A) HOT-MIX ASPHALT PAVEMENT (8-1/2" +/-)
- (B) COMBINATION CONCRETE CURB AND GUTTER
- (C) CONCRETE MEDIAN
- (D) CONCRETE SIDEWALK
- (E) AGGREGATE SHOULDER
- (F) EXISTING GROUND
- (G) PAVEMENT REMOVAL
- (H) MEDIAN REMOVAL
- (I) COMBINATION CURB AND GUTTER REMOVAL
- (J) AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
- (K) SIDEWALK REMOVAL
- (L) HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
- [Hatched Box] ITEM TO BE REMOVED



EXISTING TYPICAL SECTION

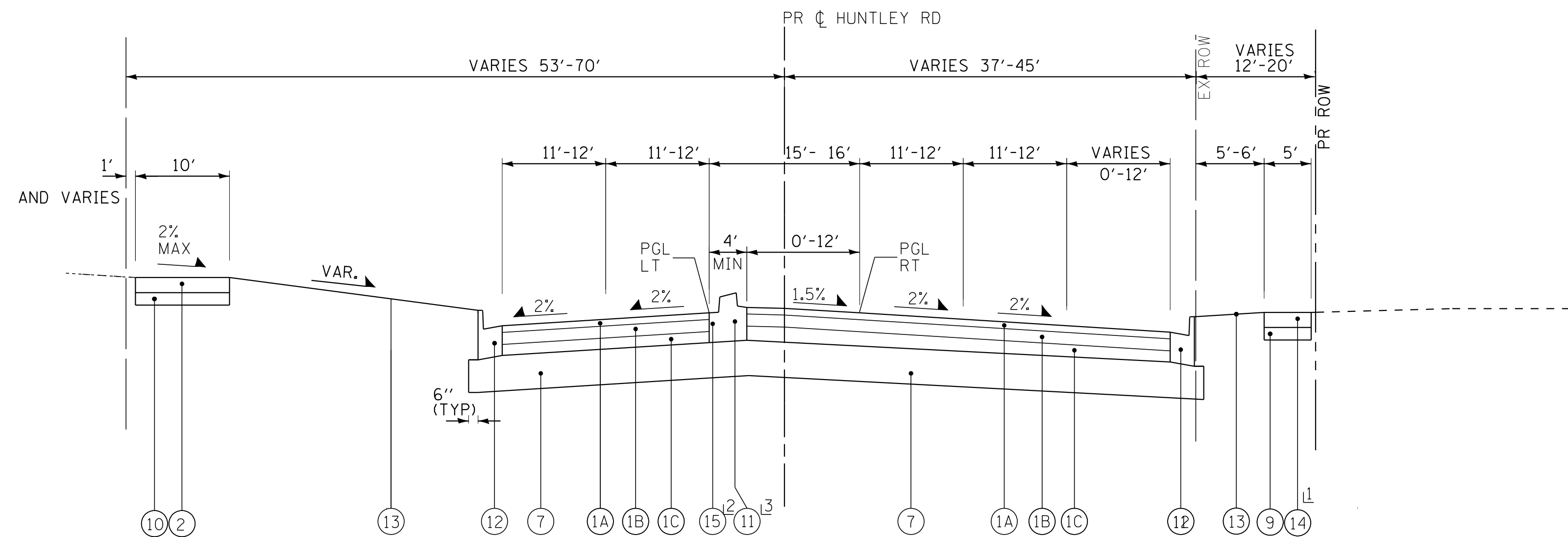
STA 314+23 TO STA 318+42

⊥

STA 316+66 TO STA 318+42

PROPOSED LEGEND

- ① HMA (FULL DEPTH) PAVEMENT - 11-1/2"
- ①A POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 (IL 9.5mm) - 2"
- ①B POLYMERIZED HMA BINDER COURSE, IL-19.0, N90 - 2-1/4"
- ①C HMA ASPHALT BASE COURSE (HMA BINDER IL-19mm)- 7-1/4" (IN 2 LIFTS)
- ② HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm)- 3"
- ③ POLYMERIZED LEVELING BINDER (MACHINE METHOD), (IL-4.75), N50- 3/4"
- ④ HOT-MIX ASPHALT BASE COURSE, 8-3/4" (WIDENING > 6 FT)
- ⑤ HOT-MIX ASPHALT BASE COURSE WIDENING, 8-3/4" (WIDENING 2 TO 6 FT)
- ⑥ PCC BASE COURSE WIDENING, 9" (WIDENING < 2 FT)
- ⑦ AGGREGATE SUBGRADE IMPROVEMENT - 12" (SQ YD)
- ⑧ AGGREGATE SUBGRADE IMPROVEMENT (UNDERCUTS BY CU YD)
- ⑨ AGGREGATE BASE COURSE, TYPE B - 4"
- ⑩ AGGREGATE BASE COURSE, TYPE B - 8"
- ⑪ CONCRETE MEDIAN TYPE SB-6.12
- ⑫ COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12
- ⑬ SODDING, SALT TOLERANT OR SEED (SEE LANDSCAPING PLANS)
- ⑭ PORTLAND CEMENT CONCRETE SIDEWALK - 5"
- ⑮ BRICK PAVERS
- ⑮A LIMESTONE SCREENING
- ⑮B SUBBASE GRANULAR MATERIAL TYPE B



PROPOSED TYPICAL SECTION

STA 313+65 TO STA 318+42

⊥ STA 316+71 TO STA 318+42

⊥ STA 314+90.28 TO STA 316+89.81

⑫ & ⑬ FOR MEDIANS > 7' WIDE

⊥ STA 317+90.44 TO STA 318+42

* AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH ASI OR EMBANKMENT AS DETERMINED BY THE ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR. A QUANTITY OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL SHALL ALSO BE DEDUCTED WITH NO ADDITIONAL COMPENSATION DUE THE CONTRACTOR. POTENTIAL UNDERCUT LOCATIONS ARE LISTED ON EACH TYPICAL SECTION.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

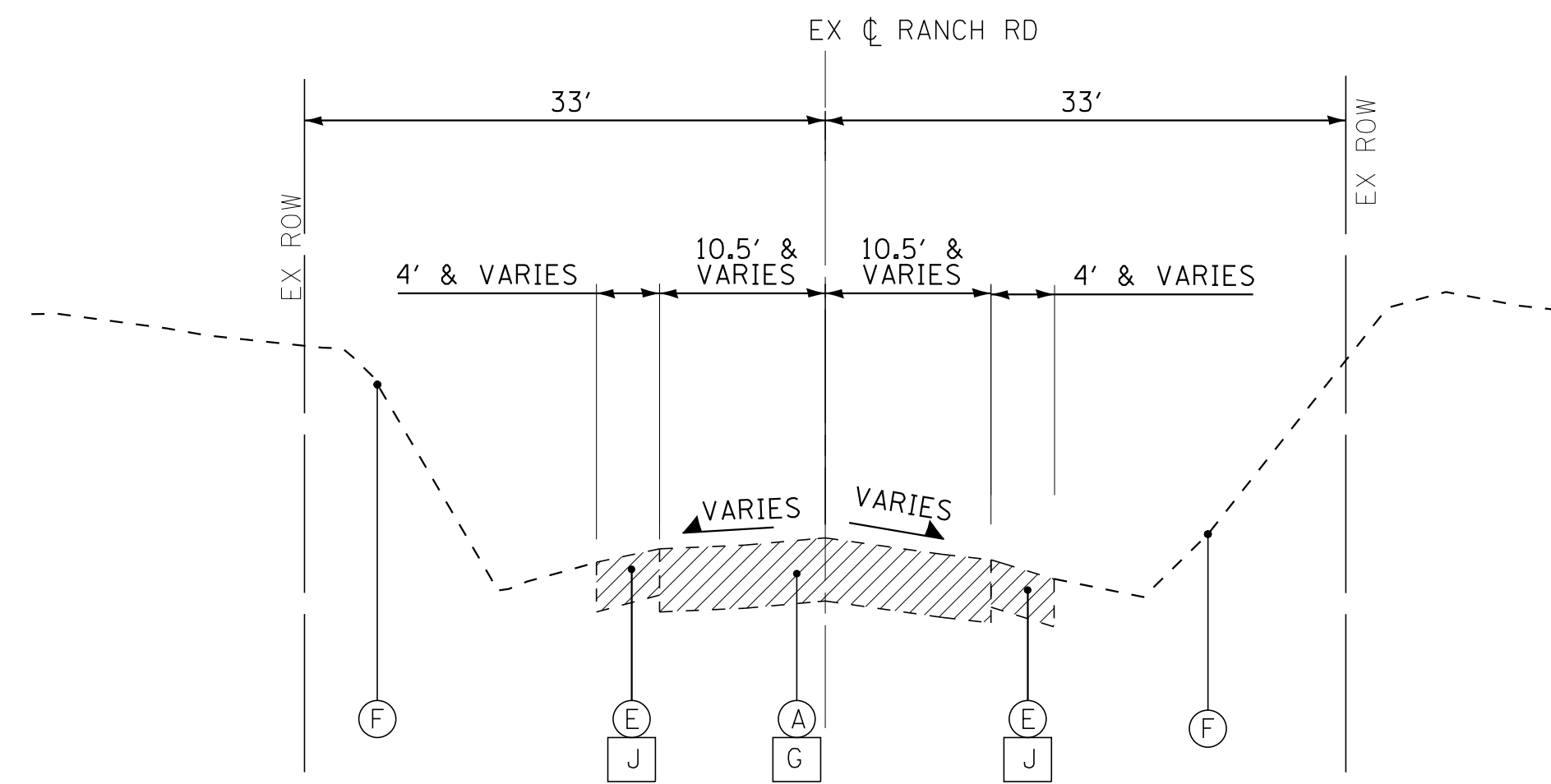
**TYPICAL SECTIONS
HUNTLEY ROAD**

SCALE: TO STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	21
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				

EXISTING LEGEND

- (A) HOT-MIX ASPHALT PAVEMENT (8-1/2" +/-)
- (B) COMBINATION CONCRETE CURB AND GUTTER
- (C) CONCRETE MEDIAN
- (D) CONCRETE SIDEWALK
- (E) AGGREGATE SHOULDER
- (F) EXISTING GROUND
- (G) PAVEMENT REMOVAL
- (H) MEDIAN REMOVAL
- (I) COMBINATION CURB AND GUTTER REMOVAL
- (J) AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
- (K) SIDEWALK REMOVAL
- (L) HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
- [Hatched Box] ITEM TO BE REMOVED

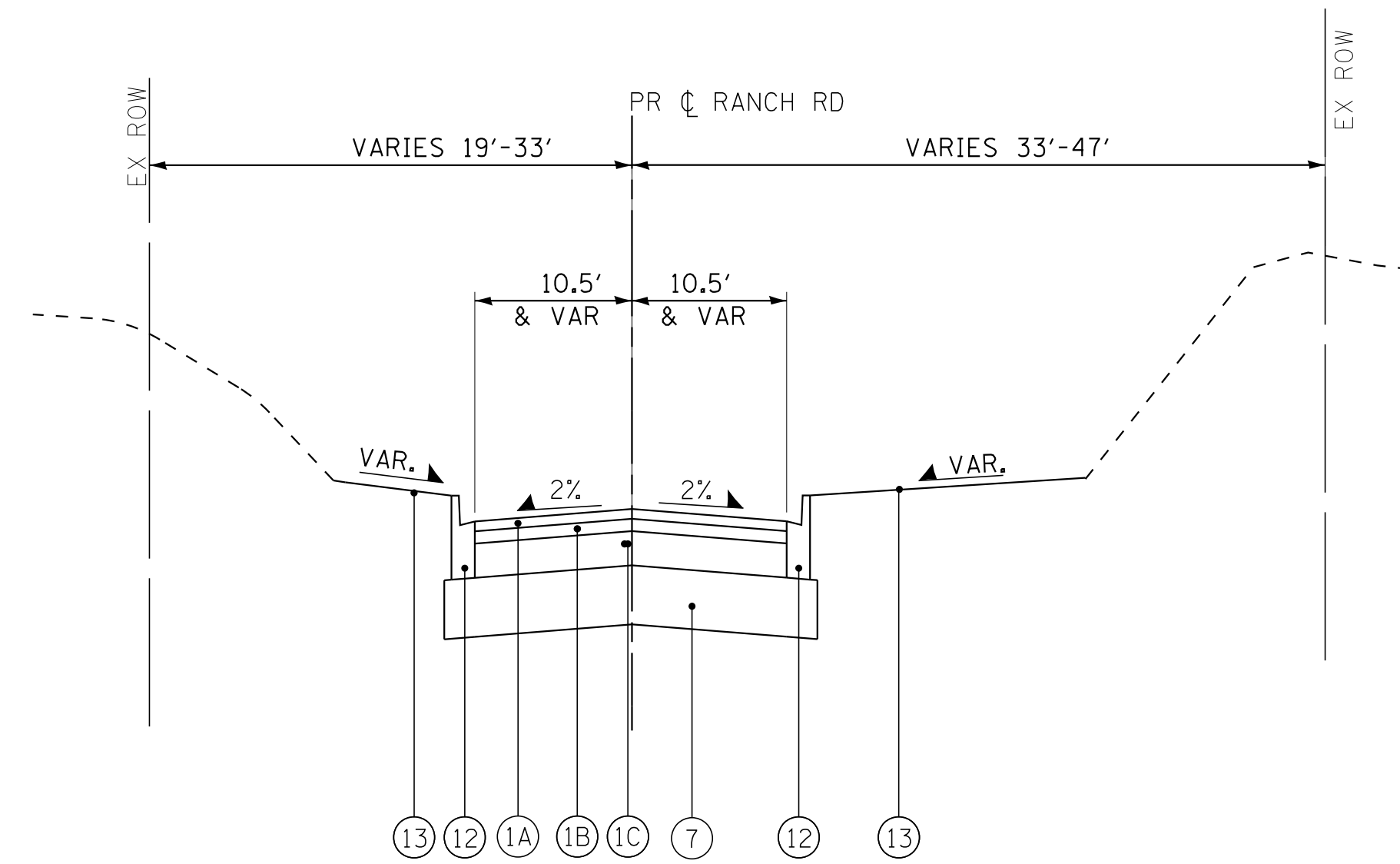


EXISTING TYPICAL SECTION

RANCH ROAD STA 10+29.5 TO STA 11+07.17

PROPOSED LEGEND

- (1) HMA (FULL DEPTH) PAVEMENT - 11-1/2"
- (1A) POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 (IL 9.5mm) - 2"
- (1B) POLYMERIZED HMA BINDER COURSE, IL-19.0, N90 - 2-1/4"
- (1C) HMA ASPHALT BASE COURSE (HMA BINDER IL-19mm)- 7-1/4" (IN 2 LIFTS)
- (2) HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm)- 3"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), (IL-4.75), N50- 3/4"
- (4) HOT-MIX ASPHALT BASE COURSE, 8-3/4" (WIDENING > 6 FT)
- (5) HOT-MIX ASPHALT BASE COURSE WIDENING, 8-3/4" (WIDENING 2 TO 6 FT)
- (6) PCC BASE COURSE WIDENING, 9" (WIDENING < 2 FT)
- (7) AGGREGATE SUBGRADE IMPROVEMENT - 12" (SQ YD)
- (8) AGGREGATE SUBGRADE IMPROVEMENT (UNDERCUTS BY CU YD)
- (9) AGGREGATE BASE COURSE, TYPE B - 4"
- (10) AGGREGATE BASE COURSE, TYPE B - 8"
- (11) CONCRETE MEDIAN TYPE SB-6.12
- (12) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12
- (13) SODDING, SALT TOLERANT OR SEED (SEE LANDSCAPING PLANS)
- (14) PORTLAND CEMENT CONCRETE SIDEWALK - 5"
- (15) BRICK PAVERS
- (15A) LIMESTONE SCREENING
- (15B) SUBBASE GRANULAR MATERIAL TYPE B



PROPOSED TYPICAL SECTION

RANCH ROAD STA 10+29.5 TO STA 11+07.17

* AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH ASI OR EMBANKMENT AS DETERMINED BY THE ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR. A QUANTITY OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL SHALL ALSO BE DEDUCTED WITH NO ADDITIONAL COMPENSATION DUE THE CONTRACTOR. POTENTIAL UNDERCUT LOCATIONS ARE LISTED ON EACH TYPICAL SECTION.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
RANCH ROAD**

SCALE: _____ STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	22
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				

EARTHWORK													
LOCATION		1	2	3	4	5	6	7	8	9	10	11	12
STA TO STA		TOPSOIL EXCAVATION (CU YD)	EXCAVATED TOPSOIL AVAILABLE FOR USE AS PROPOSED TOPSOIL FURNISH AND PLACE (15% SHRINKAGE) (CU YD)	21101505 TOPSOIL EXCAVATION AND PLACEMENT (CU YD)	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	30300001 AGGREGATE SUBGRADE IMPROVEMENT (CU YD)	66900200 NON-SPECIAL WASTE DISPOSAL (CU YD)	20200100 EARTH EXCAVATION (CU YD)	UTILITY EXCAVATION (CU YD)	TOTAL SUITABLE EXCAVATION (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
HUNTLEY ROAD													
PRESTAGE		2,997.0	2,547.5	0.0	+2,547.5	-	621.0	1,154.0	-	1,154.0	980.9	1,937.0	(-956)
268+82	295+63	2,997.0	2,547.5	0.0	+2,547.5	-	621.0	1,154.0	-	1,154.0	980.9	1,937.0	(-956)
STAGE 1		9,606.7	8,165.9	2,904.5	+5,261.4	2,324.8	1,961.8	5,752.7	5,791.7	11,544.4	9,813.1	16,662.9	(-6,850)
259+93	267+00	831.3	706.6	284.4	+422.2	42.5	133.4	98.1	774.6	872.7	741.8	1,253.0	(-511)
267+00	272+20	679.0	577.2	215.4	+361.8	5.5	-	188.2	215.3	403.5	343.0	1,033.1	(-690)
272+20	276+00	476.9	405.4	150.7	+254.7	480.5	139.3	573.3	735.8	1,309.1	1,112.8	1,033.7	+79
276+00	285+00	1,661.5	1,412.3	500.0	+912.3	283.6	955.7	465.8	2,261.6	2,727.4	2,318.4	5,118.4	(-2,800)
285+00	295+00	1,345.7	1,143.9	348.0	+795.9	782.8	733.5	1,681.7	573.7	2,255.4	1,917.1	975.4	+942
295+00	306+00	2,938.1	2,497.5	870.5	+1,627.0	390.6	-	1,449.6	499.2	1,948.8	1,656.5	4,817.5	(-3,161)
306+00	318+42	1,674.1	1,423.0	535.5	+887.5	339.3	-	1,296.1	731.5	2,027.6	1,723.5	2,431.8	(-708)
STAGE 2		-	-	1,877.6	(-1,877.6)	2,416.0	3,062.7	9,978.7	-	9,978.7	8,482.2	1,534.8	+6,947
261+46	267+00	-	-	171.7	(-171.7)	57.2	320.1	221.7	-	221.7	188.5	121.4	+67
267+00	272+20	-	-	116.0	(-116.0)	13.9	-	341.8	-	341.8	290.6	162.9	+128
272+20	276+00	-	-	105.4	(-105.4)	444.1	197.0	817.3	-	817.3	694.7	95.0	+600
276+00	285+00	-	-	227.6	(-227.6)	295.1	2,088.7	-	-	-	-	124.4	(-124)
285+00	295+00	-	-	225.3	(-225.3)	760.9	456.9	1,515.4	-	1,515.4	1,288.1	241.8	+1,046
295+00	306+00	-	-	568.7	(-568.7)	472.7	-	3,615.6	-	3,615.6	3,073.3	496.1	+2,577
306+00	318+42	-	-	462.8	(-462.8)	372.3	-	3,467.0	-	3,467.0	2,947.0	293.2	+2,654
STAGE 3		1,077.2	915.8	836.6	+79.2	290.8	229.9	1,077.2	-	1,077.2	915.8	345.8	+570
281+99	285+00	-	-	39.6	(-39.6)	30.7	86.7	-	-	-	-	3.9	(-4)
285+00	295+00	293.2	249.3	199.4	+49.9	137.5	143.2	293.2	-	293.2	249.3	4.9	+244
295+00	306+00	302.8	257.4	328.3	(-70.9)	65.5	-	302.8	-	302.8	257.4	218.4	+39
306+00	318+42	481.2	409.1	269.3	+139.8	57.2	-	481.2	-	481.2	409.1	118.6	+291
RANCH ROAD													
10+26	11+07	81.0	68.9	27.0	+41.9	-	-	195.0	-	195.0	165.8	36.0	+130
TOTALS		13,762	11,699	5,646	+6,053	5,032	5,876	18,158	+5,792	23,950	20,358	20,517	(-159)

COLUMN 1 = TOPSOIL REMOVAL DEPTH 12" PER CROSS SECTIONS
 COLUMN 2 = [COLUMN 1] x 0.85
 COLUMN 3 = FROM CROSS SECTION END AREAS, 6" PER TYPICAL
 COLUMN 4 = [COLUMN 2] - [COLUMN 3]
 COLUMN 5 = FROM CROSS SECTION END AREAS, STATION RANGES PER TYPICALS
 COLUMN 6 = FROM CROSS SECTION END AREAS
 COLUMN 7 = FROM CROSS SECTION END AREAS
 COLUMN 8 = STORM, SANITARY, WATER, UTILITY EXCAVATION
 COLUMN 9 = [COLUMN 7] + [COLUMN 8]
 COLUMN 10 = [COLUMN 9] x 0.85
 COLUMN 11 = FROM CROSS SECTION END AREAS
 COLUMN 12 = [COLUMN 10] - [COLUMN 11]
 * = [COLUMN 4 TOTAL] + [COLUMN 5 TOTAL]
 ** = EARTHWORK SHORTAGE PER STAGE = [PRESTAGE COLUMN 12] + [STAGE 1 COLUMN 12]

EARTHWORK PAY ITEM SUMMARY		
	TOTAL	
(20200100) EARTH EXCAVATION	18,158	CU YD
(20201200) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	11,085	CU YD *
(20400800) FURNISHED EXCAVATION	7,806	CU YD **
(21101505) TOPSOIL EXCAVATION AND PLACEMENT	5,646	CU YD
(30300001) AGGREGATE SUBGRADE IMPROVEMENT	5,032	CU YD
(66900200) NON-SPECIAL WASTE DISPOSAL	5,876	CU YD

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	23
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)	

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EXISTING TREE SCHEDULE						
APPROX. STATION	APPROX. OFFSET (FEET FROM CENTERLINE)	RT/LT	DIAMETER (INCHES)	20100110 TREE REMOVAL (6-15) (UNIT)	20100210 TREE REMOVAL (OVER 15) (UNIT)	20101100 TREE TRUNK PROTECTION (EACH)
260+51	44	RT	-	-	-	1
261+57	32	RT	36	-	36	-
261+63	37	RT	36	-	36	-
261+72	38	RT	10	10	-	-
261+73	53	RT	0	-	-	1
262+20	45	RT	60	-	60	-
262+72	30	RT	42	-	42	-
262+97	51	RT	-	-	-	1
262+98	44	RT	12	12	-	-
263+03	50	RT	-	-	-	1
263+08	44	RT	7	7	-	-
263+31	36	RT	7	7	-	-
263+81	33	RT	30	-	30	-
264+24	40	RT	-	-	-	1
264+37	33	RT	8	8	-	-
264+68	25	RT	24	-	24	-
264+68	31	RT	50	-	50	-
265+32	54	RT	-	-	-	1
266+15	35	RT	10	10	-	-
266+44	45	RT	-	-	-	1
266+64	27	RT	7	7	-	-
266+74	35	LT	-	-	-	1
266+79	35	LT	-	-	-	1
266+85	35	LT	-	-	-	1
266+92	38	LT	-	-	-	1
267+12	36	RT	21	-	21	-
267+33	49	RT	-	-	-	1
267+66	32	RT	36	-	36	-
268+07	41	RT	36	-	36	-
268+45	28	RT	6	6	-	-
268+48	35	LT	-	-	-	1
268+50	26	RT	6	6	-	-
268+51	29	RT	6	6	-	-
268+55	31	RT	6	6	-	-
268+63	31	RT	6	6	-	-
268+93	36	RT	3 - 12"	36	-	-
269+00	37	RT	10	10	-	-
269+09	38	RT	2 - 10"	20	-	-
269+21	40	RT	10	10	-	-
269+32	31	RT	23	-	23	-
269+71	43	LT	-	-	-	1
269+81	49	LT	-	-	-	1
269+83	46	LT	-	-	-	1
269+90	43	LT	6	6	-	-
270+00	47	LT	-	-	-	1
270+01	43	LT	12	12	-	-
270+07	39	RT	21	-	21	-
270+08	41	LT	6	6	-	-
270+11	41	RT	22	-	22	-
270+18	49	LT	-	-	-	1
270+22	43	LT	15	15	-	-
270+26	45	LT	-	-	-	1
270+35	35	RT	2 - 15"	30	-	-
270+36	48	LT	-	-	-	1
270+44	42	LT	6	6	-	-
270+50	35	RT	18	-	18	-
270+54	43	LT	12	12	-	-
270+54	50	LT	-	-	-	1
270+65	45	LT	13	13	-	-
271+13	36	RT	40	-	40	-
271+40	32	LT	8	8	-	-
271+47	33	LT	6	6	-	-
271+67	36	RT	12	12	-	-
271+67	42	RT	13	13	-	-
271+75	43	RT	8	8	-	-
271+87	39	RT	18	-	18	-
272+03	36	RT	13	13	-	-
272+22	39	RT	15	15	-	-
272+29	39	RT	10	10	-	-

EXISTING TREE SCHEDULE						
APPROX. STATION	APPROX. OFFSET (FEET FROM CL)	RT/LT	DIAMETER (INCHES)	20100110 TREE REMOVAL (6-15) (UNIT)	20100210 TREE REMOVAL (OVER 15) (UNIT)	20101100 TREE TRUNK PROTECTION (EACH)
272+32	38	RT	10	10	-	-
272+35	41	RT	6	6	-	-
272+35	36	RT	14	14	-	-
272+48	39	RT	8	8	-	-
272+50	37	RT	2 - 12"	24	-	-
272+62	39	RT	12	12	-	-
272+75	40	RT	3 - 12"	36	-	-
272+95	43	RT	12	12	-	-
272+99	44	RT	9	9	-	-
273+08	38	RT	10	10	-	-
273+10	42	RT	3 - 11"	33	-	-
273+18	43	RT	2 - 6"	12	-	-
273+24	40	RT	12	12	-	-
273+27	45	RT	13	13	-	-
273+39	36	RT	21	-	21	-
273+51	36	RT	12	12	-	-
273+51	36	RT	23	-	23	-
273+63	38	RT	12	12	-	-
273+74	38	RT	13	13	-	-
273+80	37	RT	14	14	-	-
273+84	43	RT	13	13	-	-
273+93	35	RT	15	15	-	-
274+00	38	RT	15	15	-	-
274+08	69	RT	-	-	-	1
274+13	56	RT	6	6	-	-
274+19	49	LT	-	-	-	1
274+20	53	RT	8	8	-	-
274+29	44	LT	10	10	-	-
274+29	37	LT	8	8	-	-
274+42	63	RT	-	-	-	1
275+05	52	RT	-	-	-	1
275+13	49	RT	6	6	-	-
275+24	44	RT	6	6	-	-
275+24	44	RT	25	-	25	-
275+27	34	LT	72	-	72	-
275+69	42	RT	12	12	-	-
275+78	42	RT	2 - 8"	16	-	-
275+85	32	LT	6	6	-	-
276+02	33	LT	6	6	-	-
276+49	48	LT	-	-	-	1
276+01	66	RT	27	-	27	-
276+82	57	RT	-	-	-	1
277+15	47	LT	-	-	-	1
277+42	54	RT	38	-	38	-
277+42	54	RT	-	-	-	1
277+53	36	LT	18	-	18	-
277+53	36	LT	23	-	23	-
278+22	32	LT	10	10	-	-
278+22	32	LT	2 - 12"	24	-	-
278+22	32	LT	2 - 10"	20	-	-
278+58	32	LT	12	12	-	-
278+58	32	LT	3 - 10"	30	-	-
278+64	48	RT	72	-	72	-
278+64	48	RT	-	-	-	1
279+21	27	LT	7	7	-	-
279+23	45	RT	27	-	27	-
279+27	28	LT	2 - 8"	16	-	-
279+51	40	LT	12	12	-	-
279+56	43	LT	12	12	-	-
279+59	47	RT	30	-	30	-
279+60	39	LT	6	6	-	-
279+63	40	LT	8	8	-	-
279+70	35	LT	6	6	-	-
279+72	40	LT	13	13	-	-
279+92	33	LT	15	15	-	-
279+93	48	RT	24	-	24	-
280+09	35	LT	2 - 12"	24	-	-
280+13	30	LT	16	-	16	-
280+14	34	LT	9	9	-	-
280+19	33	LT	10	10	-	-

EXISTING TREE SCHEDULE						
APPROX. STATION	APPROX. OFFSET (FEET FROM CL)	RT/LT	DIAMETER (INCHES)	20100110 TREE REMOVAL (6-15) (UNIT)	20100210 TREE REMOVAL (OVER 15) (UNIT)	20101100 TREE TRUNK PROTECTION (EACH)
280+26	40	LT	7	7	-	-
280+27	31	LT	7	7	-	-
280+42	42	RT	20	-	20	-
280+43	26	LT	10	10	-	-
280+46	30	LT	2 - 10"	20	-	-
280+52	39	LT	2 - 6"	12	-	-
280+63	42	RT	12	12	-	-
280+75	26	LT	8	8	-	-
280+80	49	LT	24	-	24	-
280+81	48	RT	8	8	-	-
280+82	55	LT	-	-	-	1
280+90	33	LT	12	12	-	-
280+94	24	LT	15	15	-	-
281+07	45	RT	18	-	18	-
281+08	40	LT	8	8	-	-
281+08	40	LT	2 - 20"	-	40	-
281+36	30	LT	6	6	-	-
281+40	39	LT	-	-	-	1
281+46	43	RT	12	12	-	-
281+75	53	RT	20	-	20	-
282+19	36	RT	30	-	30	-
282+44	33	LT	20	-	20	-
282+49	57	RT	-	-	-	1
282+68	58	RT	-	-	-	1
282+95	35	LT	6	6	-	-
283+03	28	LT	6	6	-	-
283+26	45	LT	-	-	-	1
283+34	42	LT	6	6	-	-
283+34	46	LT	-	-	-	1
283+36	43	LT	6	6	-	-
283+38	46	LT	-	-	-	1
283+52	41	LT	10	10	-	-
284+16	30	LT	8	8	-	-
284+24	35	LT	18	-	18	-
284+30	40	LT	12	12	-	-
284+42	40	LT	14	14	-	-
284+55	64	RT	-	-	-	1
285+02	40	RT	15	15	-	-
285+07	35	RT	8	8	-	-
285+21	37	RT	6	6	-	-
285+23	31	RT	8	8	-	-
285+24	36	RT	2 - 50"	-	100	-
285+24	36	RT	36	-	36	-
285+35	31	RT	6	6	-	-
285+51	66	RT	-	-	-	1
285+73	64	RT	6	6	-	-
285+88	35	RT	3 - 8"	24	-	-
285+99	35	RT	10	10	-	-
287+09	66	RT	-	-	-	1
287+16	54	RT	12	12	-	-
287+16	28	RT	12	12	-	-
287+81	28	RT	10	10	-	-
287+92	28	RT	3 - 8"	24	-	-
288+15	42	RT	10	10	-	-
288+30	41	RT	12	12	-	-
288+40	42	RT	8	8	-	-
288+73	42	RT	10	10	-	-
288+76	38	RT	2 - 8"	16	-	-
288+80	37	RT	8	8	-	-
288+84	41	RT	2 - 6"	12	-	-
289+74	30	RT	3 - 8"	24	-	-
290+16	26	RT	10	10	-	-
290+55	36	RT	10	10	-	-
290+65	37	RT	6	6	-	-
290+68	40	RT	12	12	-	-
290+69	34	RT	13	13	-	-
290+73	33	RT	11	11	-	-
290+76	37	RT	12	12	-	-
290+79	32	RT	13	13	-	-



DESIGNED - DSH	REVISED -
DRAWN - UKB	REVISED -
CHECKED - DTH	REVISED -
DATE - 10-09-17	FILE - 140879SHT-Schedule.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES

SCALE: STA. TO STA.

F.A.U. RTE. 1283	SECTION 14-00057-00-WR	COUNTY KANE	TOTAL SHEETS 173	SHEET NO. 24
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)	

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EXISTING TREE SCHEDULE

APPROX. STATION	APPROX. OFFSET (FEET FROM CL)	RT/LT	DIAMETER (INCHES)	20100110 TREE REMOVAL (6-15) (UNIT)	20100210 TREE REMOVAL (OVER 15) (UNIT)	20101100 TREE TRUNK PROTECTION (EACH)
290+81	34	RT	10	10	-	-
291+00	46	RT	15	15	-	-
291+03	51	RT	12	12	-	-
291+05	44	RT	10	10	-	-
291+10	48	RT	18	-	18	-
291+12	31	RT	12	12	-	-
291+21	32	RT	8	8	-	-
293+24	68	RT	-	-	-	1
293+26	68	RT	-	-	-	1
293+32	66	RT	-	-	-	1
293+35	66	RT	-	-	-	1
293+49	76	RT	-	-	-	1
293+51	84	RT	-	-	-	1
293+63	67	RT	8	8	-	-
293+65	91	RT	7	7	-	-
294+19	67	RT	-	-	-	1
296+41	44	RT	8	8	-	-
296+56	42	RT	6	6	-	-
298+89	30	RT	7	7	-	-
299+71	49	RT	12	12	-	-
299+72	46	RT	12	12	-	-
300+12	56	RT	4 - 10"	40	-	-
300+30	56	RT	2 - 8"	16	-	-
300+41	52	RT	17	-	17	-
300+50	52	RT	2 - 7"	14	-	-
300+51	35	RT	8	8	-	-
300+57	45	RT	13	13	-	-
300+60	28	RT	9	9	-	-
300+65	45	RT	10	10	-	-
300+87	45	RT	5 - 9"	45	-	-
301+15	80	RT	3 - 12"	36	-	-
301+28	81	RT	8	8	-	-
301+35	55	RT	6	6	-	-
302+04	35	RT	21	-	21	-
302+05	39	RT	12	12	-	-
302+14	34	RT	12	12	-	-
302+70	59	RT	2-12"	24	-	-
302+88	59	RT	3 - 6"	18	-	-
306+65	70	LT	-	-	-	1
307+79	66	LT	-	-	-	1
308+61	67	LT	-	-	-	1
308+92	64	LT	-	-	-	1
Total				1,906	1,311	51

DRIVEWAY SCHEDULE

STATION	SIDE	TYPE	44000200	Z0004530	Z0004538	42300400	60603800	X4021000	X4022000
			DRIVEWAY PAVEMENT REMOVAL SQ YD	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8" SQ YD	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10" SQ YD	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH SQ YD	COMBINATION CURB AND GUTTER, TYPE B-6.12 FOOT	TEMPORARY ACCESS (PRIVATE ENTRANCE) EACH	TEMPORARY ACCESS (COMMERCIAL ENTRANCE) EACH
269+30	LT	PE	-	63	-	-	-	-	-
271+11	LT	PE	63	48	-	-	-	1	-
276+81	LT	PE	160	63	-	-	-	1	-
277+12	RT	PE	92	44	-	-	-	1	-
278+44	RT	PE	110	47	-	-	-	1	-
282+76	LT	CE	221	-	124	-	-	-	1
297+42	RT	CE	268	-	-	211	-	-	1
313+07	LT	CE	52	-	199	-	205	-	1
316+31	LT	CE	31	-	27	-	-	-	1
TOTALS			997	265	350	211	205	4	4

BAXTER & WOODMAN CONSULTING ENGINEERS	DESIGNED - DSH	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - DTH	REVISED -
	DATE - 10-09-17	FILE - 140879SHT-Schedule.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES OF QUANTITIES

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	25
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)	

Chain HUNTLEY contains:
H1 CUR HUNTLEY-1 CUR HUNTLEY-2 H2

Beginning chain HUNTLEY description
Feature:
=====

Point H1 N 1,984,231.07 E 988,999.75 Sta 259+00

Course from H1 to PC HUNTLEY-1 S 54° 21' 05" E Dist 1,868.34

Curve Data
Curve HUNTLEY-1 (Chord Definition)
P.I. Station 280+27 N 1,982,991.71 E 990,727.78
Delta = 9° 13' 32" (RT)
Degree = 1° 47' 26"
Tangent = 258.18
Length = 515.23
Radius = 3,200.00
External = 10.40
Long Chord = 514.70
Mid. Ord. = 10.36
P.C. Station 277+68 N 1,983,142.18 E 990,517.98
P.T. Station 282+84 N 1,982,809.54 E 990,910.75
C.C. N 1,980,541.84 E 988,652.98
Back = S 54° 21' 05" E
Ahead = S 45° 07' 33" E
Chord Bear = S 49° 44' 19" E

Curve Data
Curve HUNTLEY-2 (Chord Definition)
P.I. Station 294+60 N 1,981,979.37 E 991,744.57
Delta = 43° 29' 27" (LT)
Degree = 6° 44' 40"
Tangent = 339.04
Length = 644.83
Radius = 850.00
External = 65.12
Long Chord = 629.82
Mid. Ord. = 60.49
P.C. Station 291+21 N 1,982,218.58 E 991,504.31
P.T. Station 297+66 N 1,981,971.19 E 992,083.51
C.C. N 1,982,820.94 E 992,104.03
Back = S 45° 07' 33" E
Ahead = S 88° 36' 59" E
Chord Bear = S 66° 52' 16" E

Course from PT HUNTLEY-2 to H2 S 88° 36' 59" E Dist 2,333.62

Point H2 N 1,981,914.84 E 994,416.45 Sta 321+00

Ending chain HUNTLEY description
=====

Course from PT HUNTLEY-1 to PC HUNTLEY-2 S 45° 07' 33" E Dist 837.59

SUPERELEVATION TRANSITIONS									
SE TRANSITION POINT	LT EOP	LT PGL EL.	X-SLOPE	PR CL STATION	X-SLOPE	RT PGL EL.	RT EOL	RT RT X-SLOPE	RT RT EOP
END NC	830.44	830.88	-2.00%	290+12	-2.00%	830.88	830.44	-	-
END TR	828.68	829.12	-2.00%	290+48.25	0.00%	829.12	829.12	-2.00%	829.10
BEGIN SR INSIDE	826.09	826.53	-2.00%	291+02.63	+2.00%	826.83	827.27	-2.00%	827.18
PC	825.14	825.73	-2.67%	291+21.16	+2.67%	826.13	826.72	-2.00%	826.61
BEGIN FULL SE	823.38	824.26	-4.00%	291+57	+4.00%	824.86	825.74	-2.00%	825.58
END FULL SE	813.25	814.13	-4.00%	297+30	+4.00%	814.73	815.61	-	-
PT	813.19	813.78	-2.67%	297+65.99	+2.67%	814.18	814.77	-	-
END SR INSIDE	813.16	813.60	-2.00%	297+84.38	+2.00%	813.90	814.34	-	-
BEGIN TR	812.47	812.91	-2.00%	298+38.75	0.00%	812.91	812.91	-	-
BEGIN NC	811.89	812.33	-2.00%	298+75	-2.00%	812.33	811.89	-	-

WHERE:
LT EOP = LEFT EDGE OF PAVEMENT ELEVATION
LTPGL EL. = LEFT PROFILE GRADELINE ELEVATION
X-SLOPE = MAINLINE CROSSLOPE
PR CL STATION = PROPOSED CENTERLINE STATION
RT PGL EL. = RIGHT PROFILE GRADE LINE ELEVATION
RT EOL = RIGHT EDGE OF OUTSIDE THRU LANE ELEVATION
RT RT X-SLOPE = RIGHT SIDE RIGHT TURN LANE CROSS SLOPE
RT RT EOP = RIGHT SIDE RIGHT TURN LANE EDGE OF PAVEMENT ELEVATION
NC = NORMAL CROWN
TR = TANGENT RUNOUT
SR = SUPERELEVATION RUNOUT
SE = SUPERELEVATION
NOTES: 1. AXIS OF ROTATION ABOUT THE CENTERLINE.
2. NEGATIVE SLOPE IS AWAY FROM CL, POSITIVE SLOPE IS TOWARD CL.
3. STATIONING MAY BE ROUNDED TO THE NEAREST FOOT FOR EASE OF LAYOUT.

Chain RANCH contains:
R1 CUR RANCH-1 R2

Beginning chain RANCH description
=====

Point R1 N 1,983,321.17 E 990,268.42 Sta 10+00.00

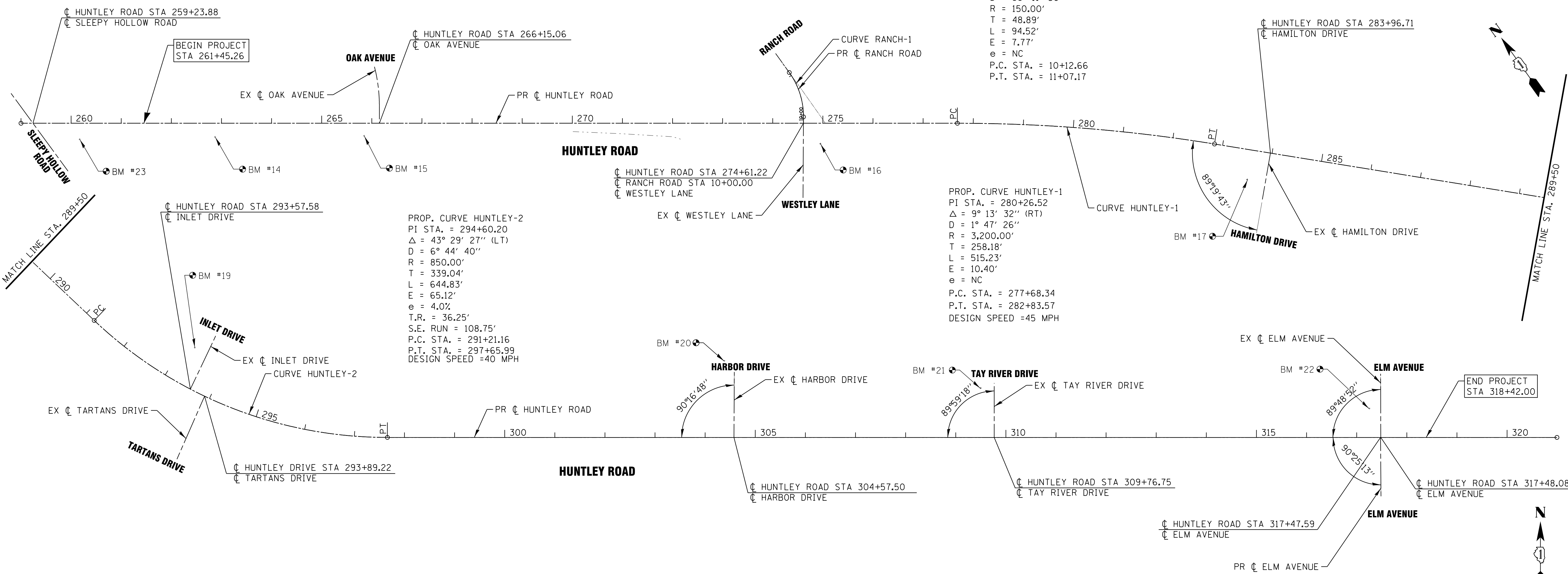
Course from R1 to PC RANCH-1 N 35° 58' 22" E Dist 12.66

Curve Data
Curve RANCH-1
P.I. Station 10+61.54 N 1,983,370.98 E 990,304.57
Delta = 36° 06' 11" (LT)
Degree = 38° 11' 50"
Tangent = 48.89
Length = 94.52
Radius = 150.00
External = 7.77
Long Chord = 92.96
Mid. Ord. = 7.38
P.C. Station 10+12.66 N 1,983,331.41 E 990,275.85
P.T. Station 11+07.17 N 1,983,419.86 E 990,304.46
C.C. N 1,983,419.52 E 990,154.46
Back = N 35° 58' 22" E
Ahead = N 0° 07' 49" W
Chord Bear = N 17° 55' 16" E

Course from PT RANCH-1 to R2 N 0° 07' 49" W Dist 46.85

Point R2 N 1,983,466.71 E 990,304.35 Sta 11+54

Ending chain RANCH description
=====



PROP. CURVE RANCH-1
PI STA. = 10+61.54
Δ = 36° 06' 11" (LT)
D = 38° 11' 50"
R = 150.00'
T = 48.89'
L = 94.52'
E = 7.77'
e = NC
P.C. STA. = 10+12.66
P.T. STA. = 11+07.17

PROP. CURVE HUNTLEY-1
PI STA. = 280+26.52
Δ = 9° 13' 32" (RT)
D = 1° 47' 26"
R = 3,200.00'
T = 258.18'
L = 515.23'
E = 10.40'
e = NC
P.C. STA. = 277+68.34
P.T. STA. = 282+83.57
DESIGN SPEED = 45 MPH

PROP. CURVE HUNTLEY-2
PI STA. = 294+60.20
Δ = 43° 29' 27" (LT)
D = 6° 44' 40"
R = 850.00'
T = 339.04'
L = 644.83'
E = 65.12'
e = 4.0%
T.R. = 36.25'
S.E. RUN = 108.75'
P.C. STA. = 291+21.16
P.T. STA. = 297+65.99
DESIGN SPEED = 40 MPH

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 10/9/2017
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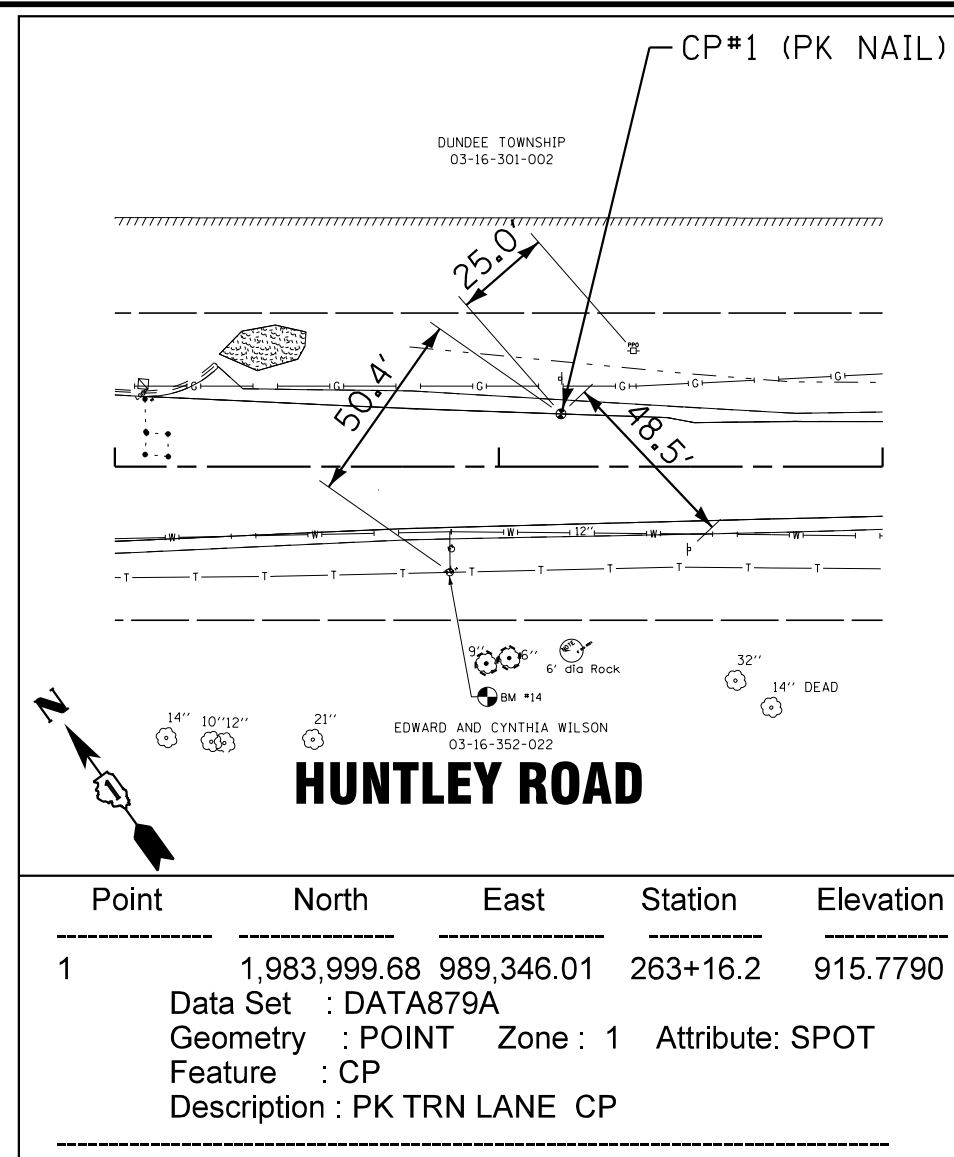
BAXTER & WOODMAN CONSULTING ENGINEERS	DESIGNED - DSH	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - DTH	REVISED -
	DATE - 10-09-17	FILE - 140879SHT-Alignment1.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES AND BENCHMARKS

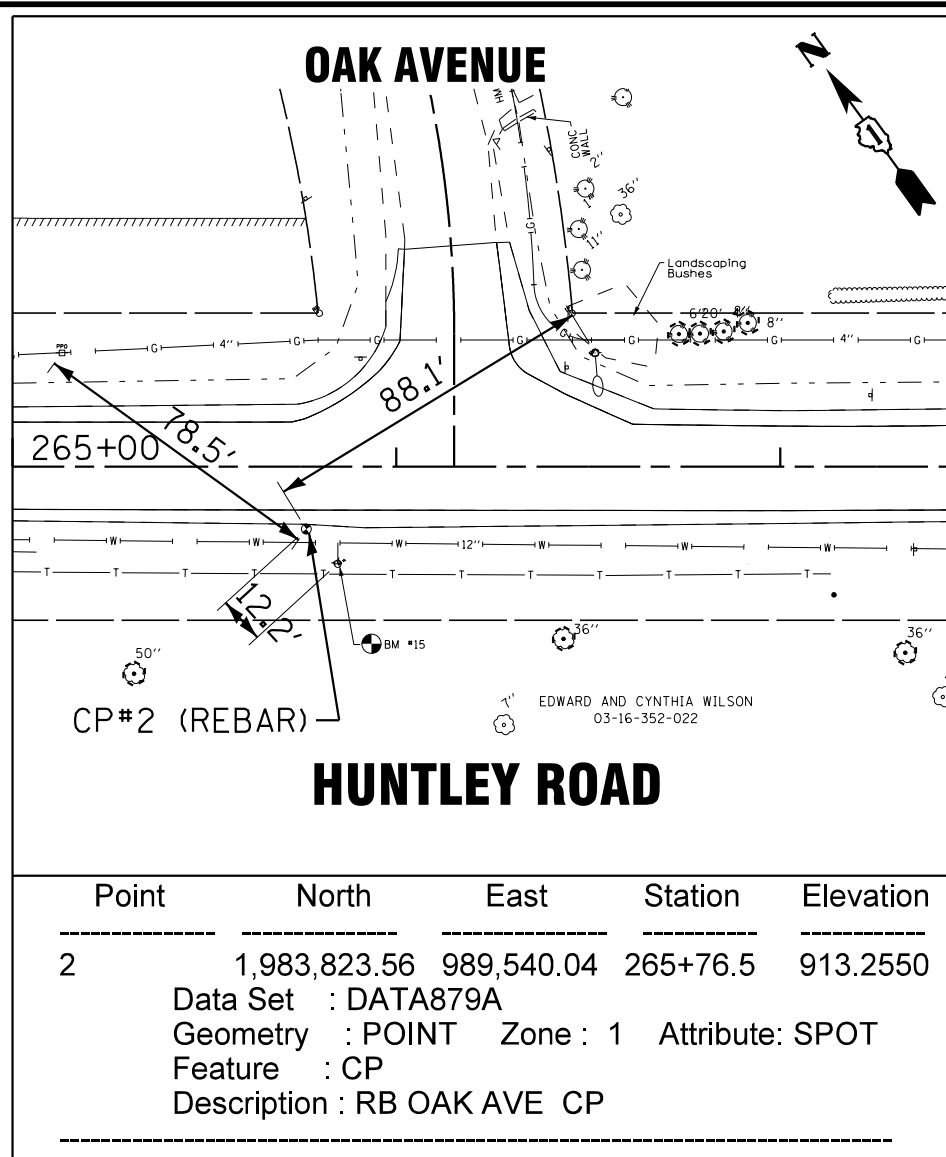
SCALE: 1"=100' STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	26
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)			CONTRACT NO. 61C86	



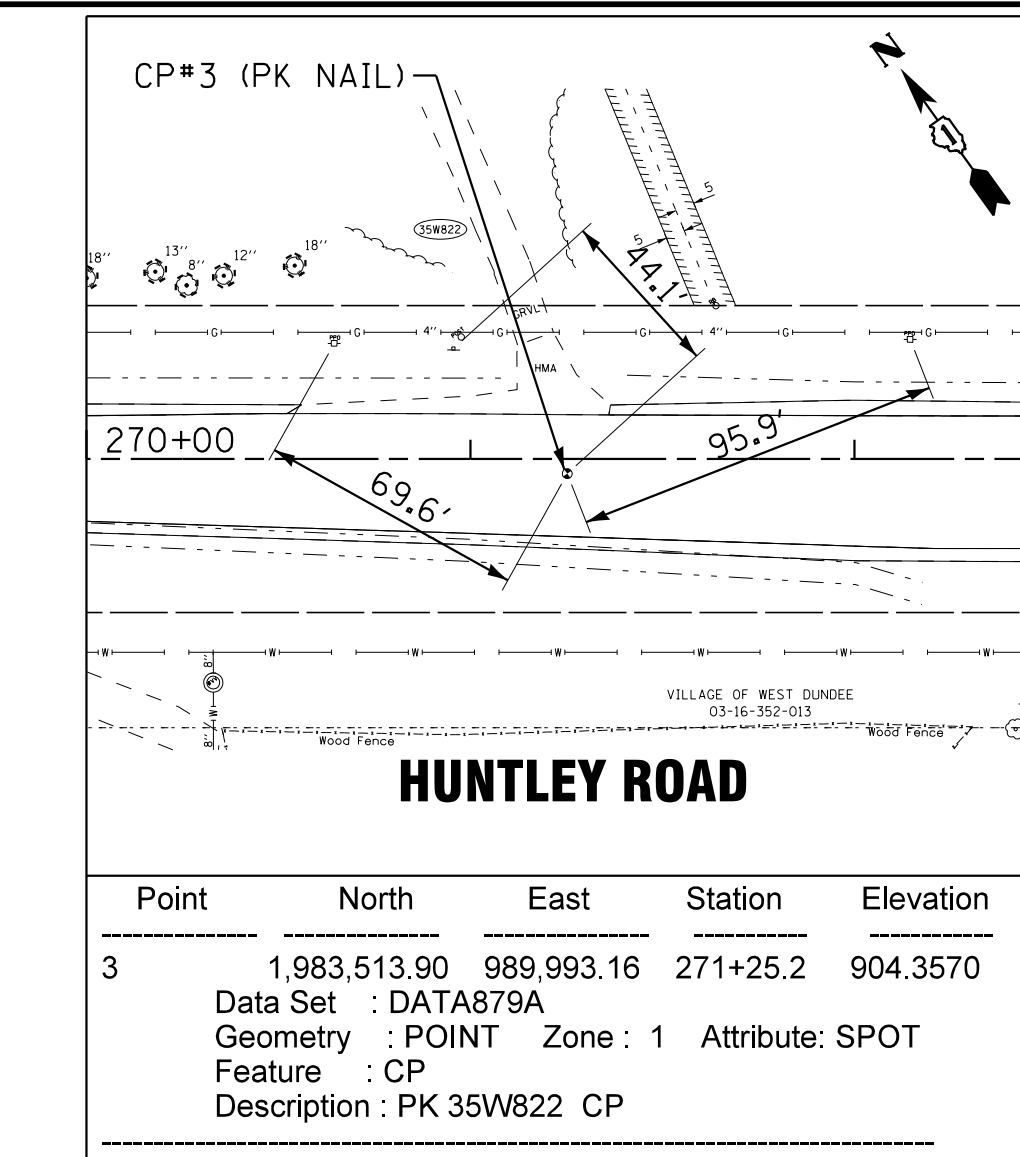
Point	North	East	Station	Elevation
1	1,983,999.68	989,346.01	263+16.2	915.7790

Data Set : DATA879A
 Geometry : POINT Zone : 1 Attribute: SPOT
 Feature : CP
 Description : PK TRN LANE CP



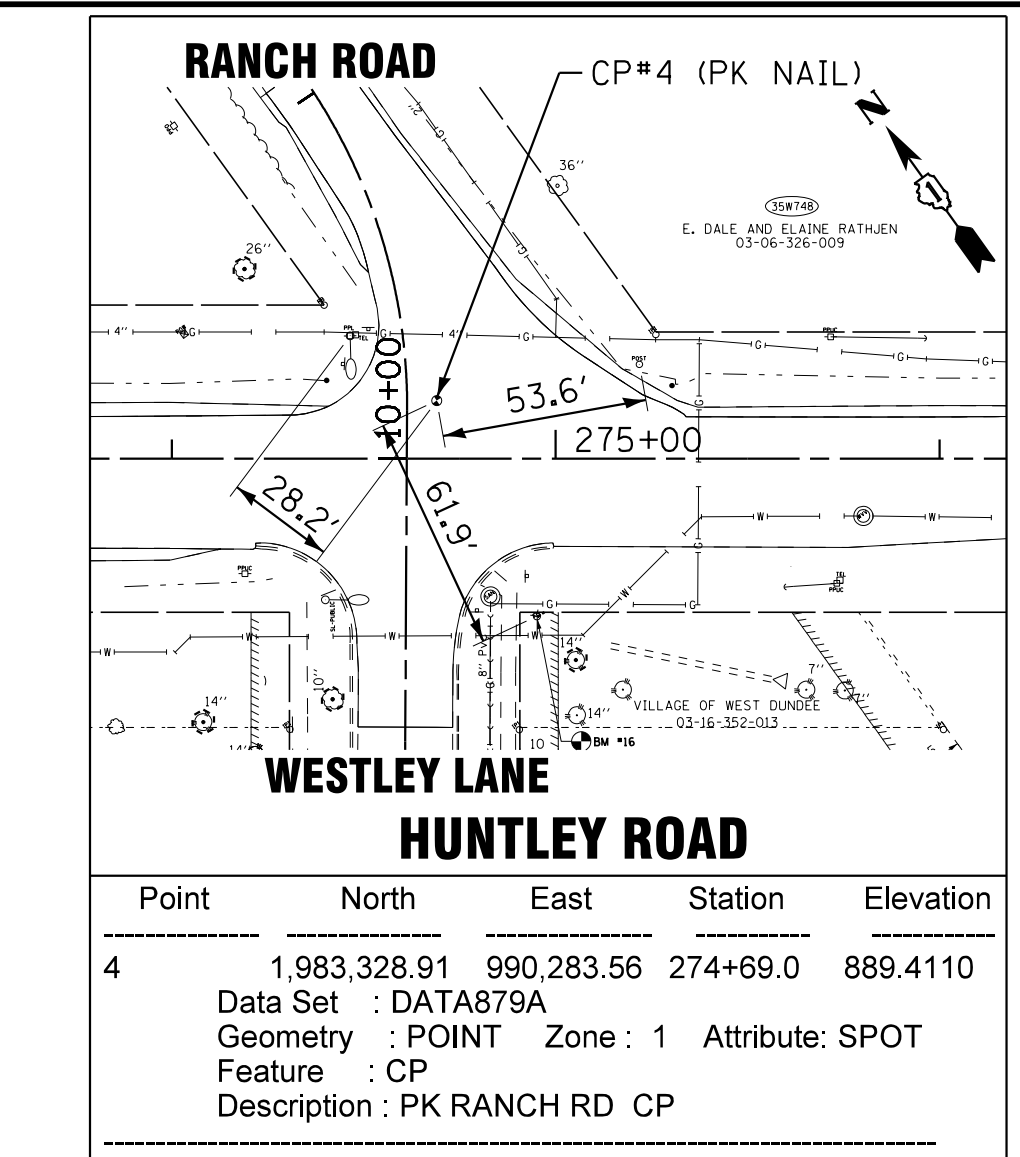
Point	North	East	Station	Elevation
2	1,983,823.56	989,540.04	265+76.5	913.2550

Data Set : DATA879A
 Geometry : POINT Zone : 1 Attribute: SPOT
 Feature : CP
 Description : RB OAK AVE CP



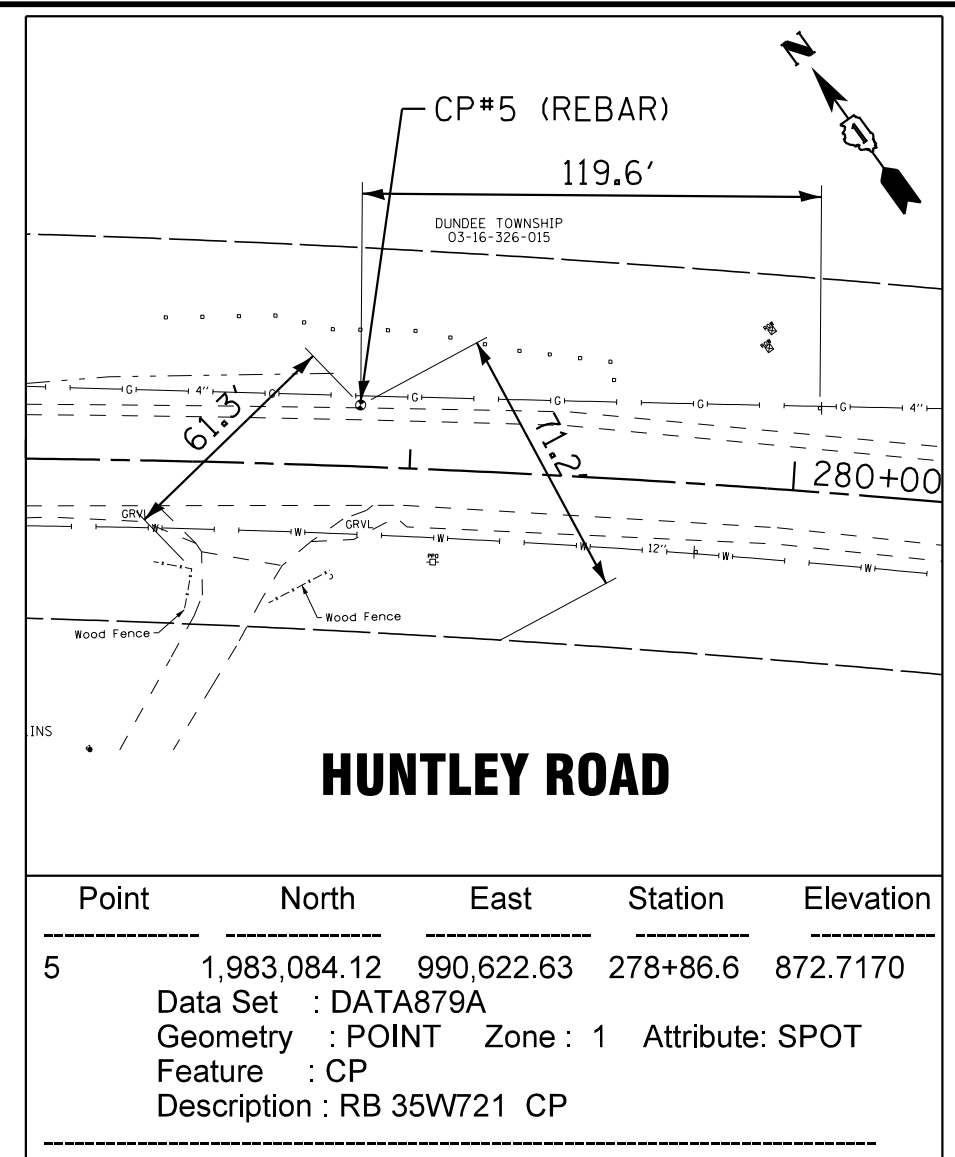
Point	North	East	Station	Elevation
3	1,983,513.90	989,993.16	271+25.2	904.3570

Data Set : DATA879A
 Geometry : POINT Zone : 1 Attribute: SPOT
 Feature : CP
 Description : PK 35W822 CP



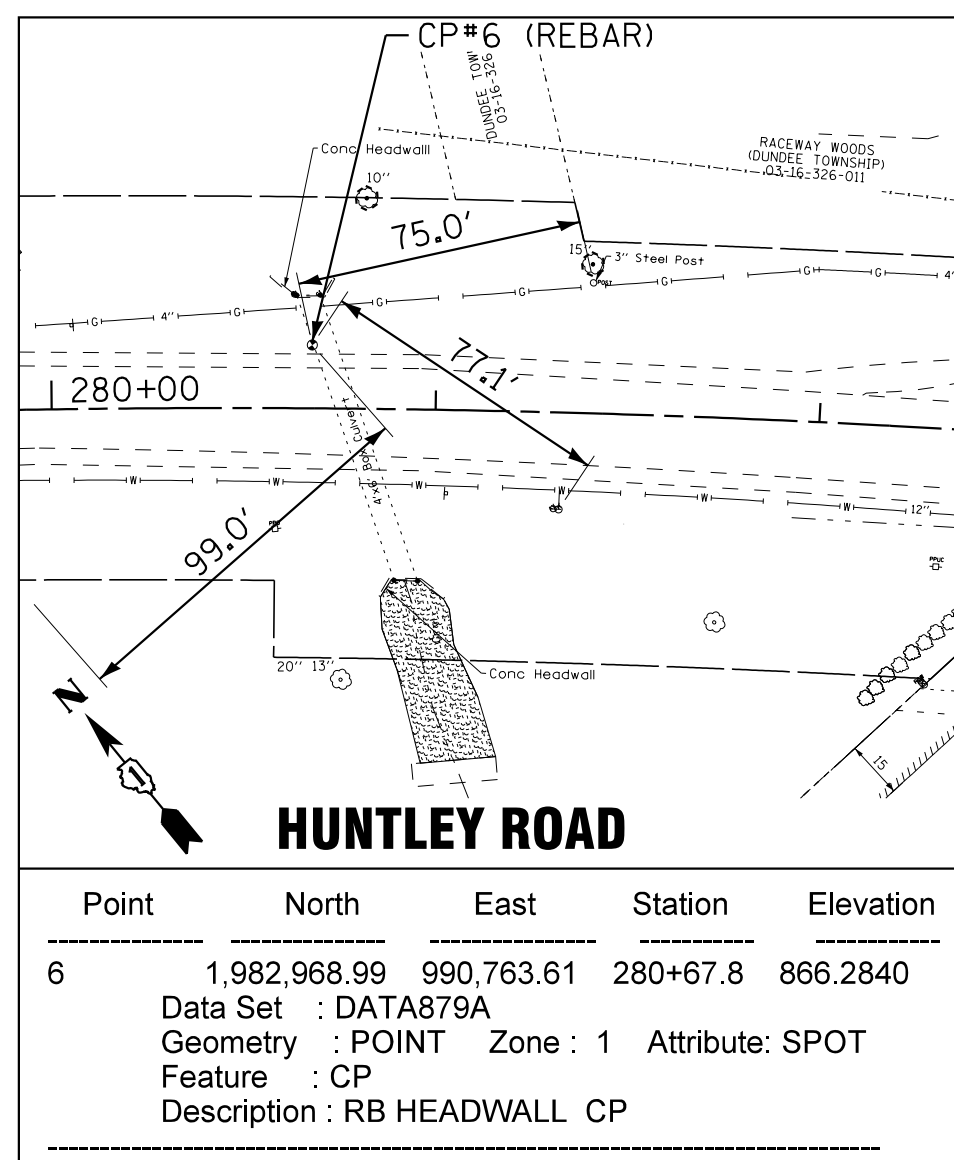
Point	North	East	Station	Elevation
4	1,983,328.91	990,283.56	274+69.0	889.4110

Data Set : DATA879A
 Geometry : POINT Zone : 1 Attribute: SPOT
 Feature : CP
 Description : PK RANCH RD CP



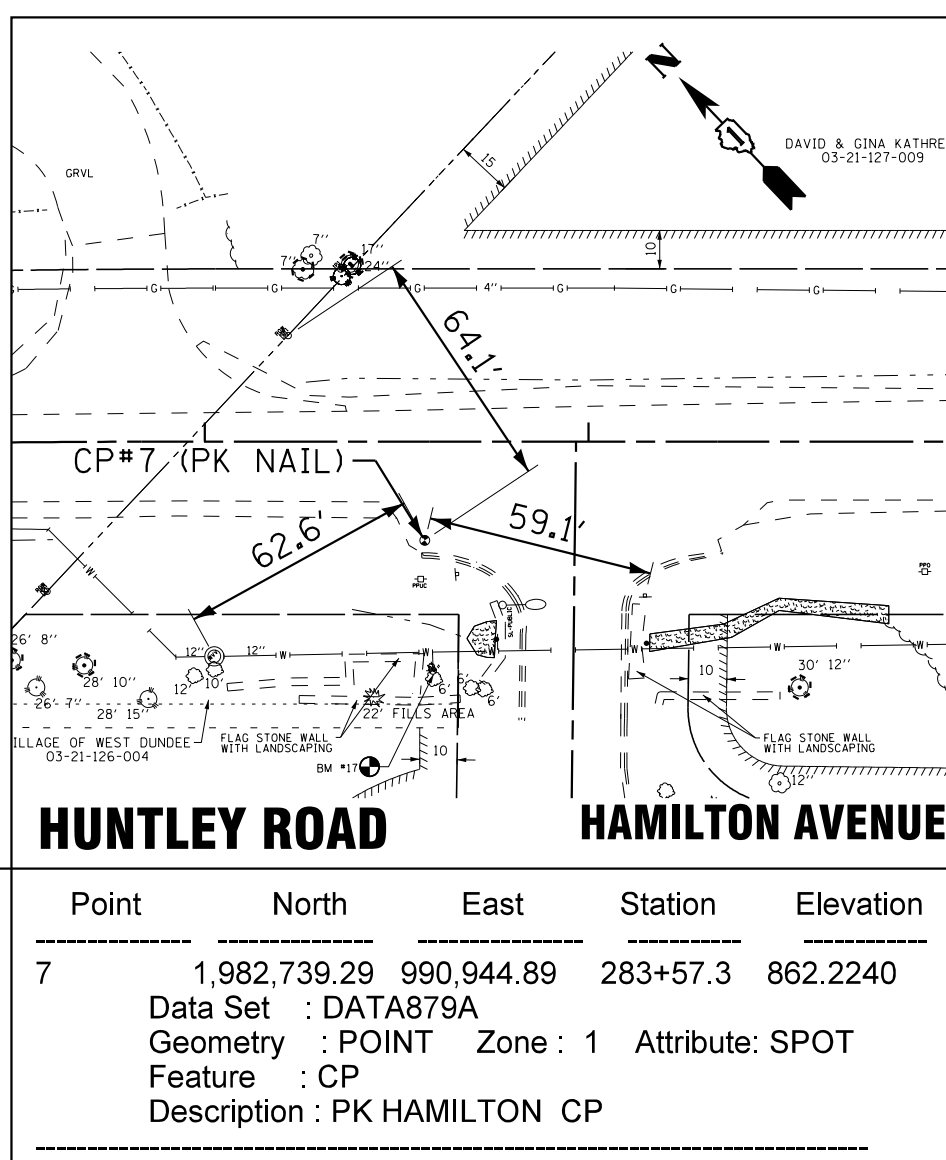
Point	North	East	Station	Elevation
5	1,983,084.12	990,622.63	278+86.6	872.7170

Data Set : DATA879A
 Geometry : POINT Zone : 1 Attribute: SPOT
 Feature : CP
 Description : RB 35W721 CP



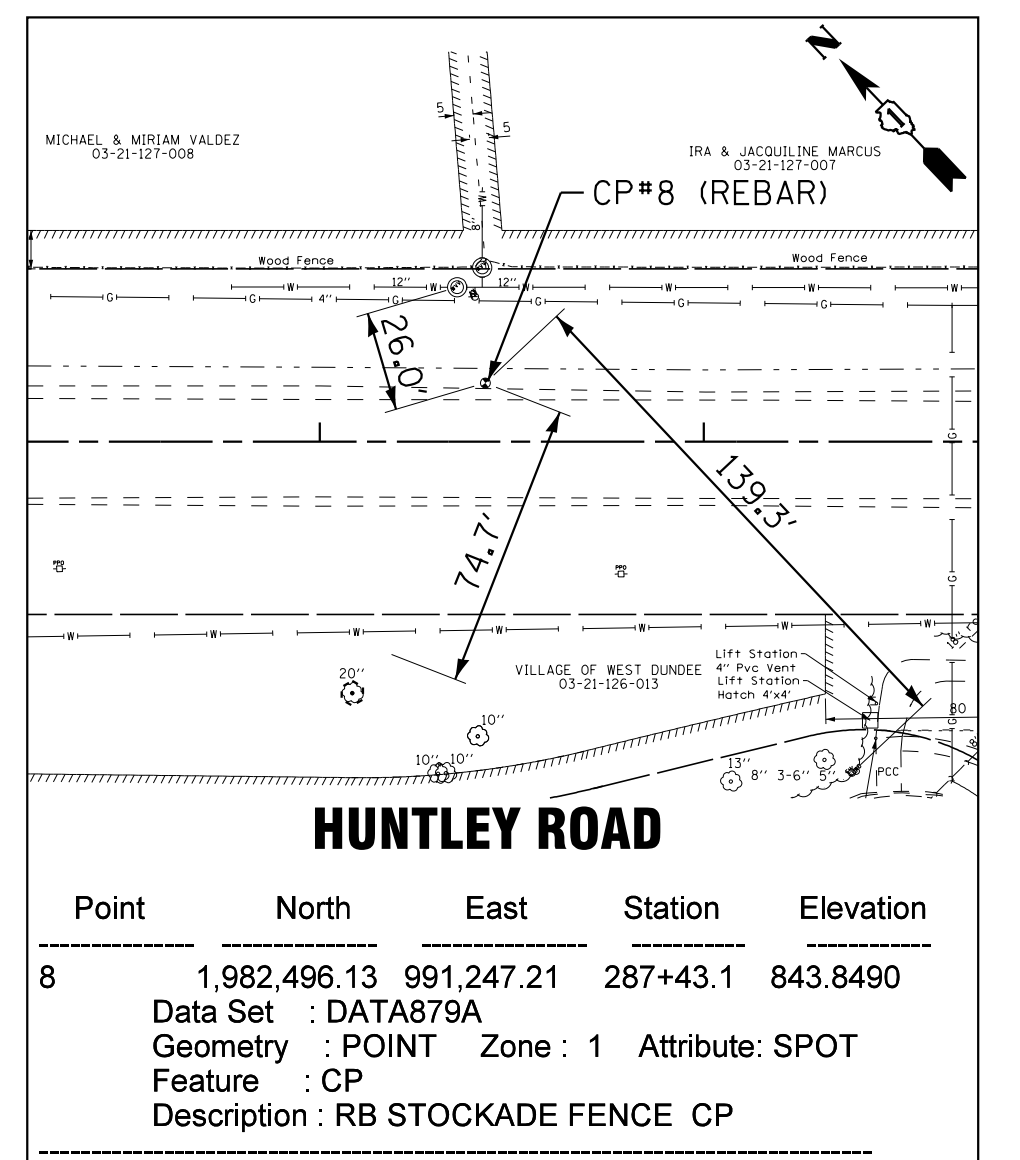
Point	North	East	Station	Elevation
6	1,982,968.99	990,763.61	280+67.8	866.2840

Data Set : DATA879A
 Geometry : POINT Zone : 1 Attribute: SPOT
 Feature : CP
 Description : RB HEADWALL CP



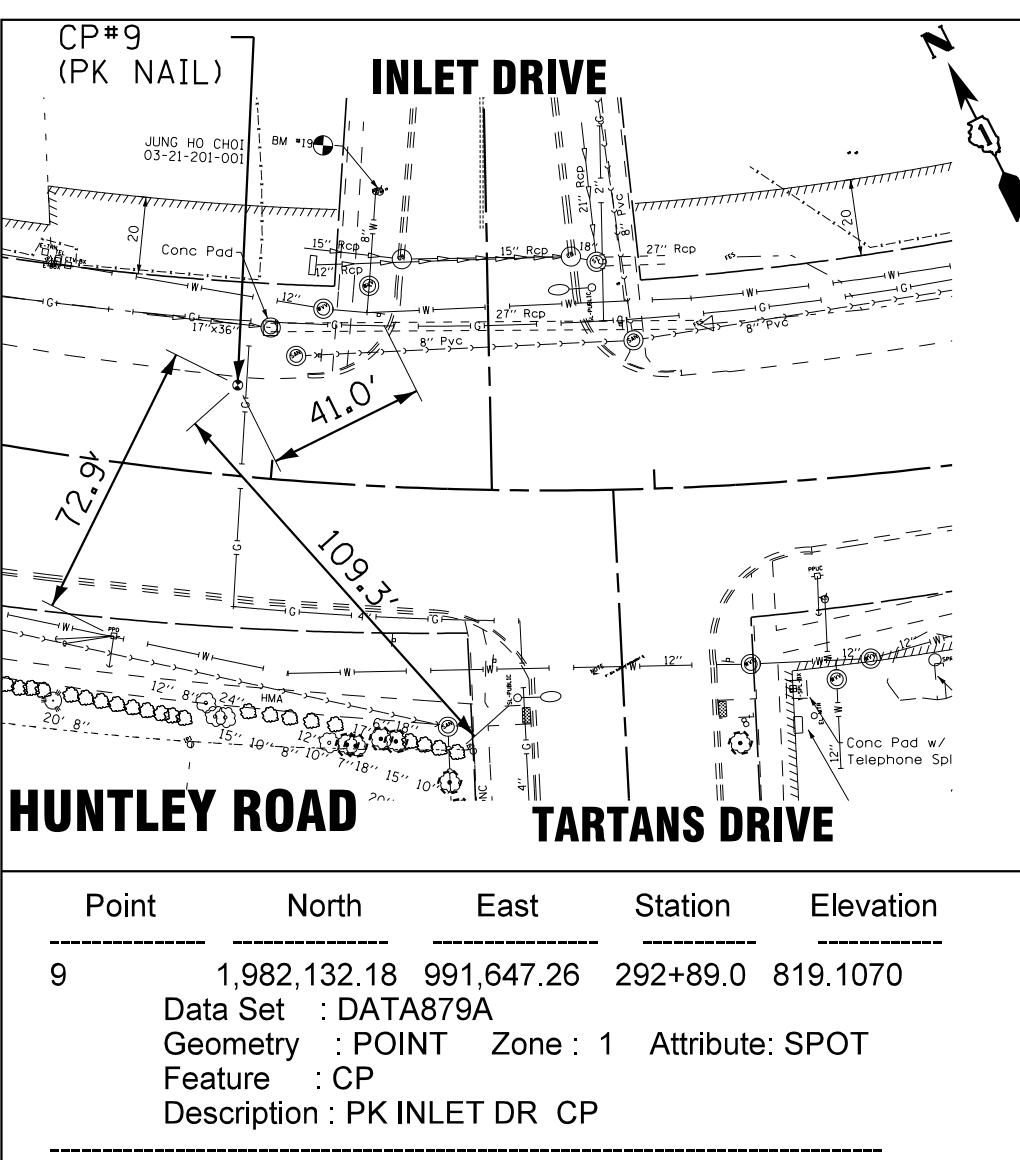
Point	North	East	Station	Elevation
7	1,982,739.29	990,944.89	283+57.3	862.2240

Data Set : DATA879A
 Geometry : POINT Zone : 1 Attribute: SPOT
 Feature : CP
 Description : PK HAMILTON CP



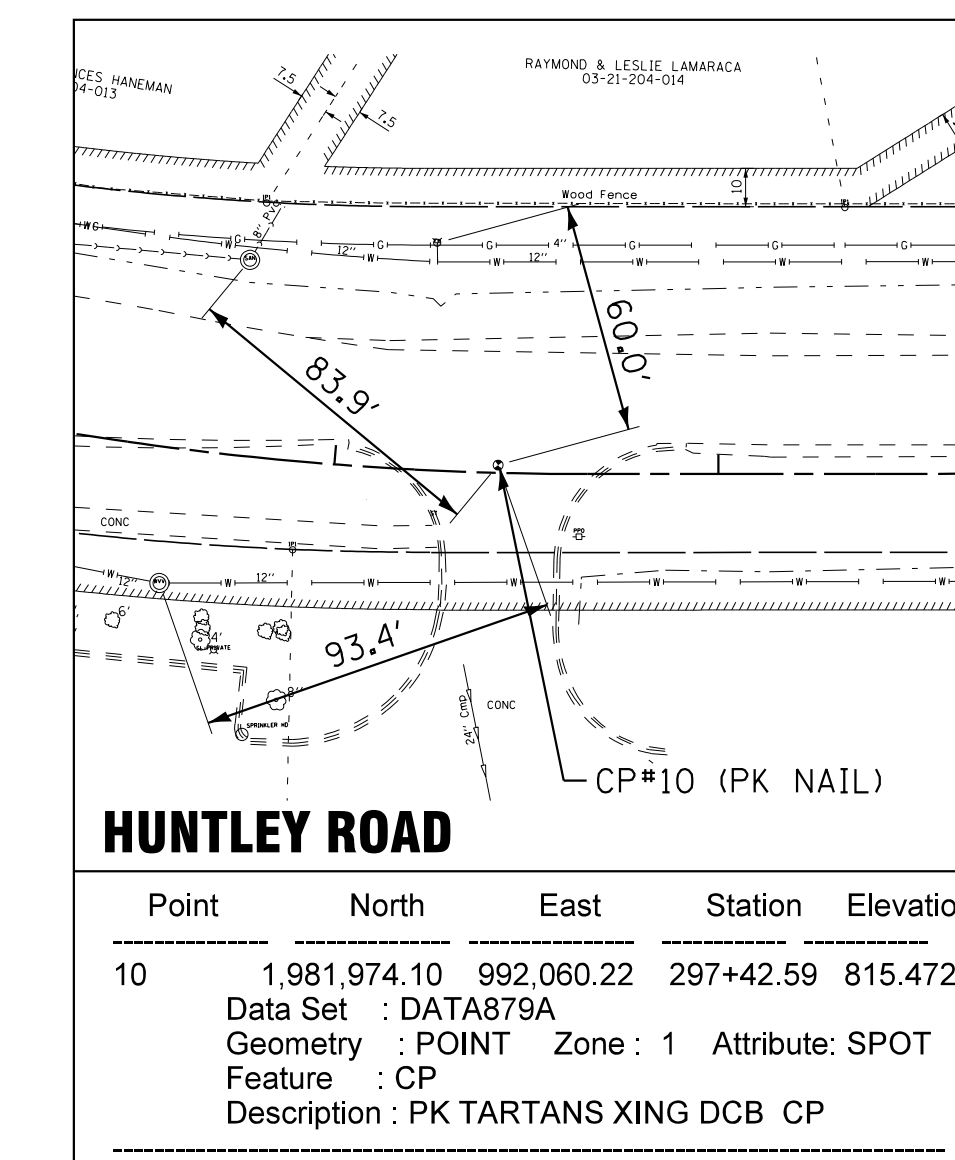
Point	North	East	Station	Elevation
8	1,982,496.13	991,247.21	287+43.1	843.8490

Data Set : DATA879A
 Geometry : POINT Zone : 1 Attribute: SPOT
 Feature : CP
 Description : RB STOCKADE FENCE CP



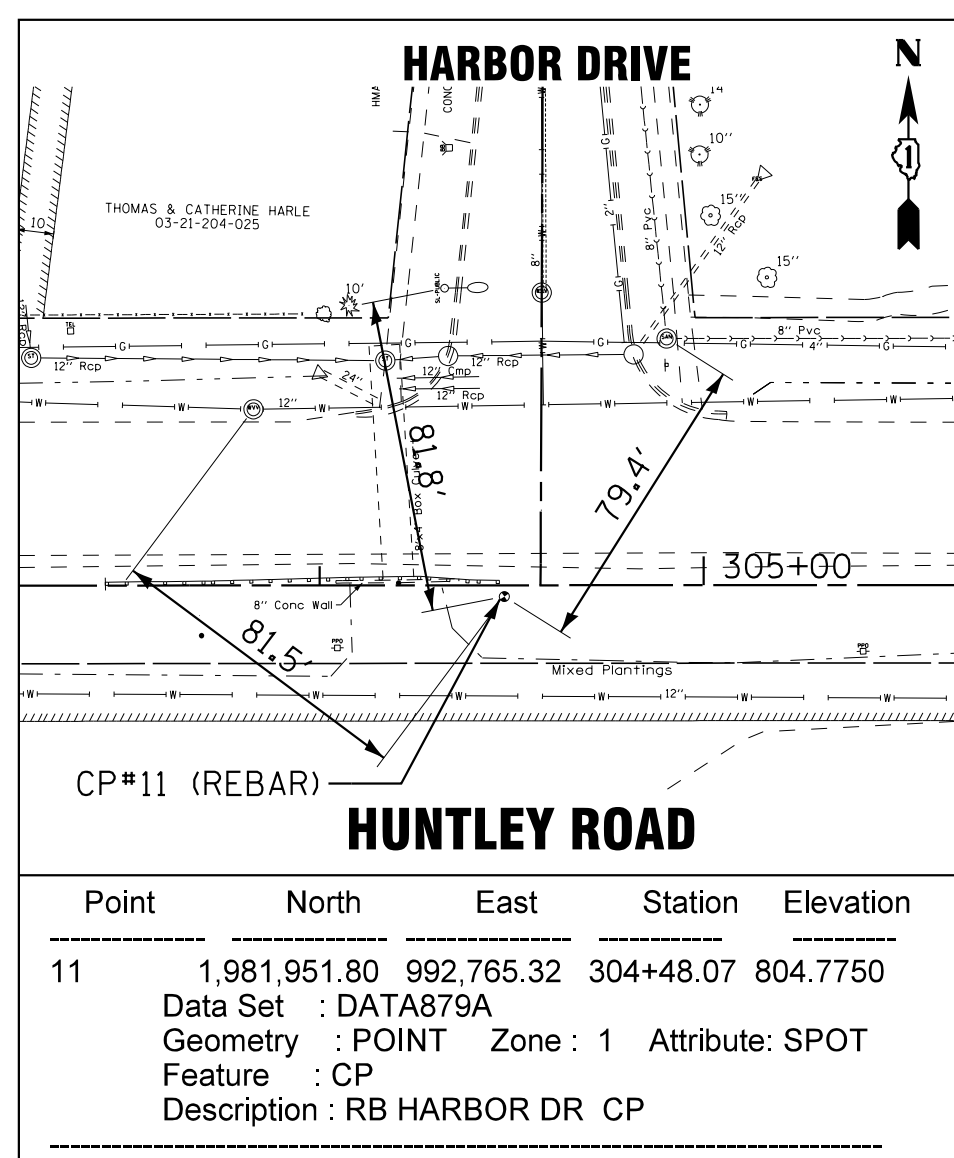
Point	North	East	Station	Elevation
9	1,982,132.18	991,647.26	292+89.0	819.1070

Data Set : DATA879A
 Geometry : POINT Zone : 1 Attribute: SPOT
 Feature : CP
 Description : PK INLET DR CP



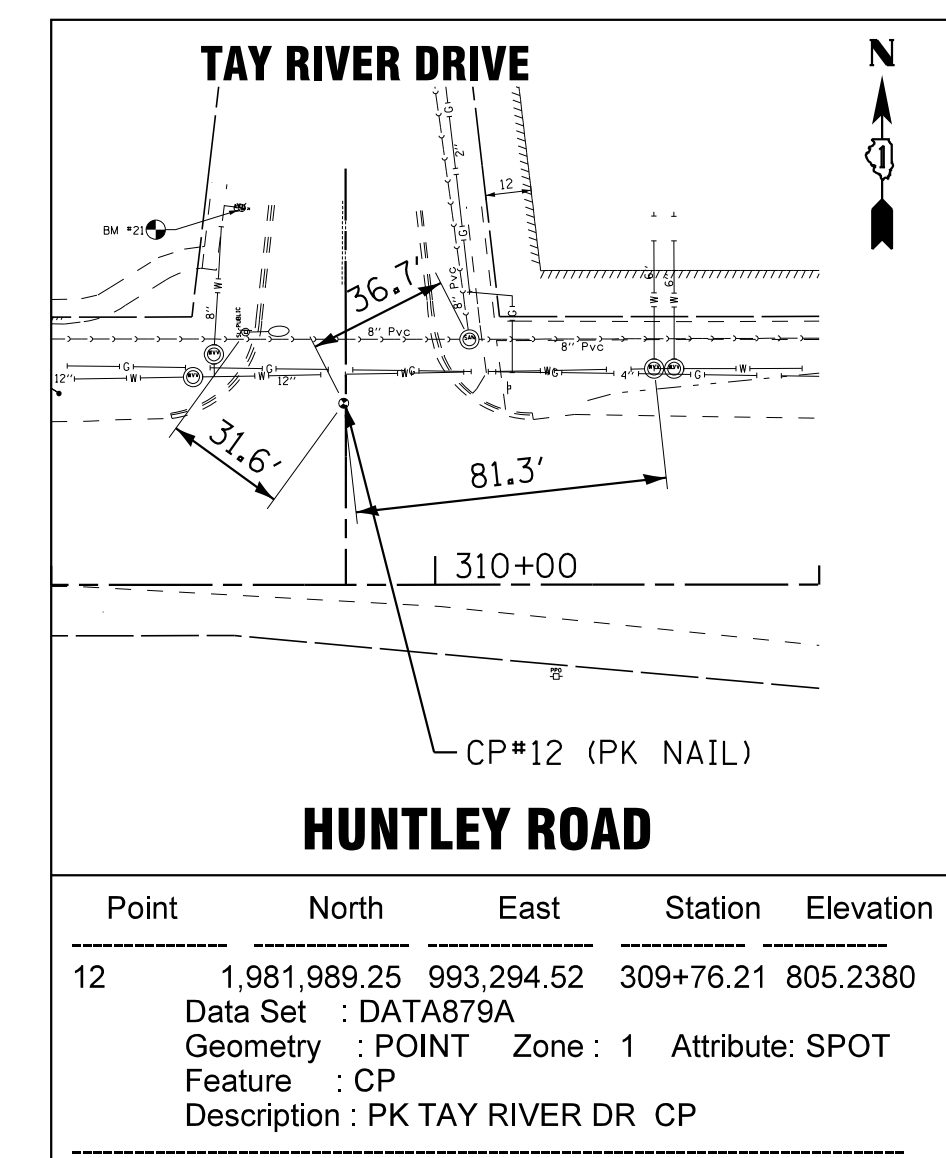
Point	North	East	Station	Elevation
10	1,981,974.10	992,060.22	297+42.59	815.4720

Data Set : DATA879A
 Geometry : POINT Zone : 1 Attribute: SPOT
 Feature : CP
 Description : PK TARTANS XING DCB CP



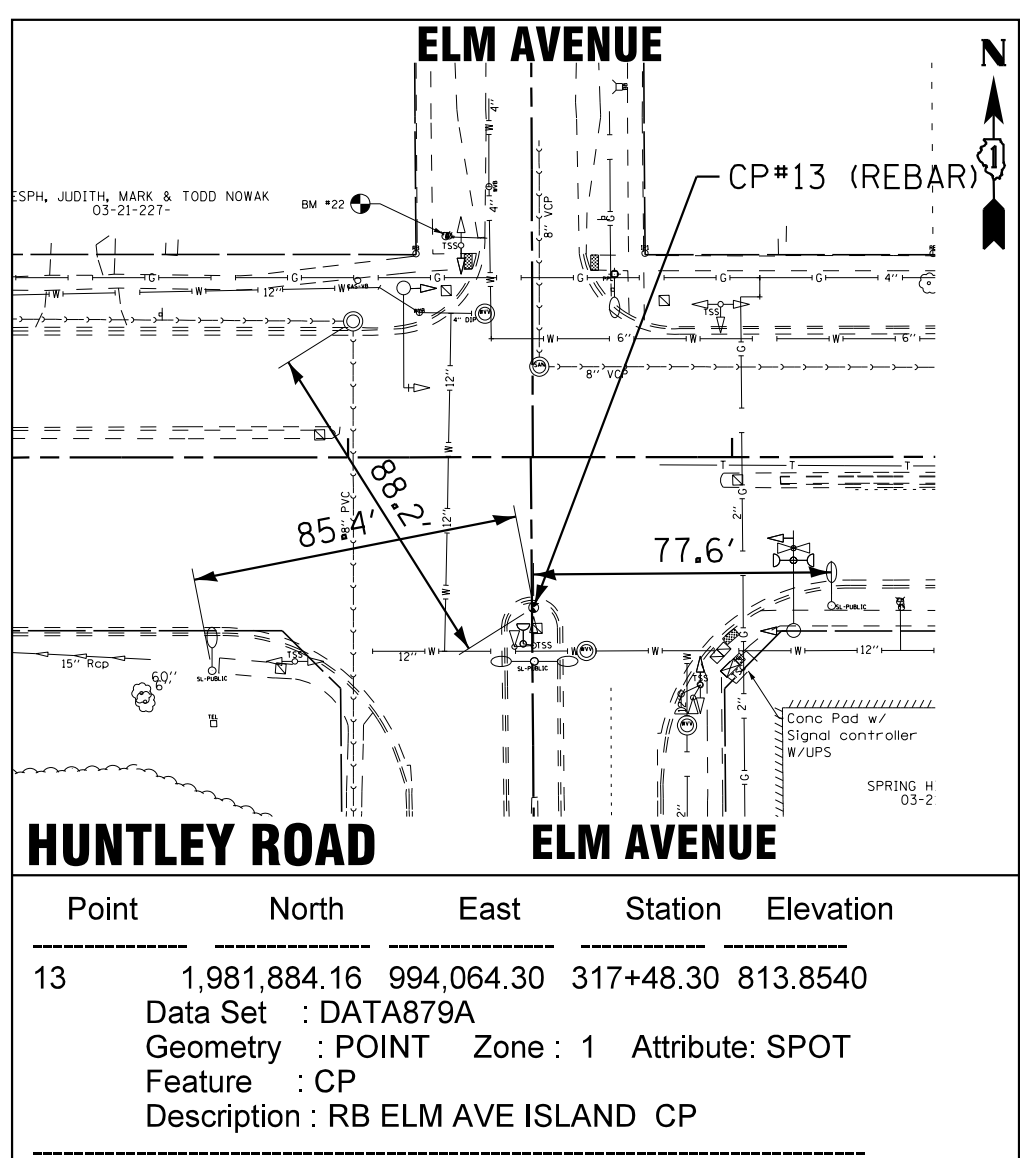
Point	North	East	Station	Elevation
11	1,981,951.80	992,765.32	304+48.07	804.7750

Data Set : DATA879A
 Geometry : POINT Zone : 1 Attribute: SPOT
 Feature : CP
 Description : RB HARBOR DR CP



Point	North	East	Station	Elevation
12	1,981,989.25	993,294.52	309+76.21	805.2380

Data Set : DATA879A
 Geometry : POINT Zone : 1 Attribute: SPOT
 Feature : CP
 Description : PK TAY RIVER DR CP

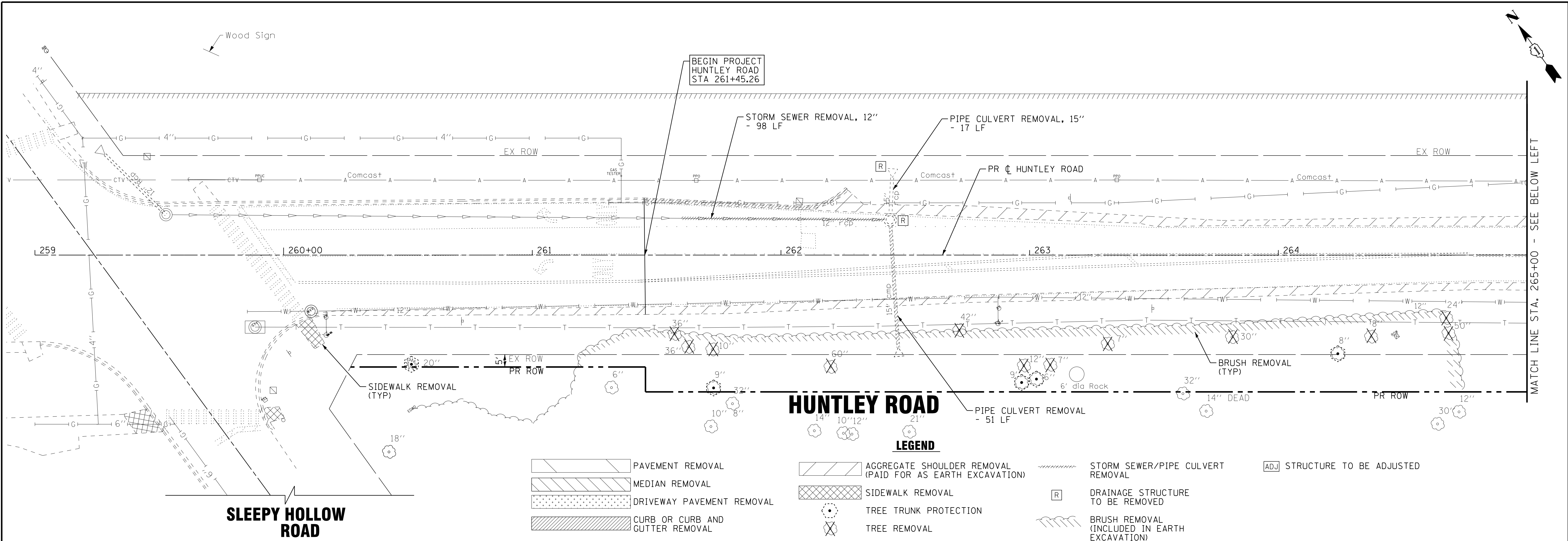


Point	North	East	Station	Elevation
13	1,981,884.16	994,064.30	317+48.30	813.8540

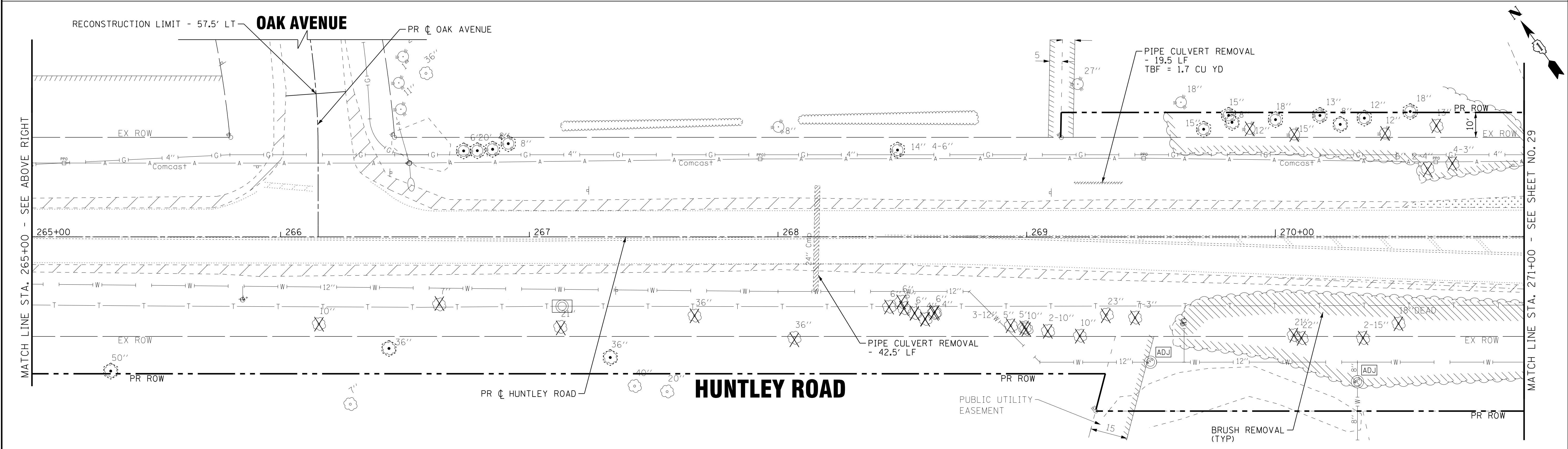
Data Set : DATA879A
 Geometry : POINT Zone : 1 Attribute: SPOT
 Feature : CP
 Description : RB ELM AVE ISLAND CP

BENCHMARK LIST
 (ALL BENCHMARKS ON NAVD88 VERTICAL DATUM)

- | | | | |
|-------|--|-------|--|
| BM#14 | FIRE HYDRANT SOUTHEAST FLANGE BOLT ON SOUTH SIDE OF HUNTLEY ROAD APPROXIMATELY 300' EAST OF SLEEPY HOLLOW ROAD.
STA 262+87.31, 27.45' RT
EL = 914.86 | BM#21 | FIRE HYDRANT NORTHWEST BONNET BOLT ON WEST SIDE OF TAY RIVER ROAD APPROXIMATELY 40' NORTH OF HUNTLEY ROAD
STA 309+49.69, 98.18' LT
EL = 807.67 |
| BM#15 | FIRE HYDRANT SOUTHEAST FLANGE BOLT ON SOUTH SIDE OF HUNTLEY ROAD AT OAK AVENUE
STA 265+84.76, 25.27' RT
EL = 912.25 | BM#22 | FIRE HYDRANT SOUTHWEST FLANGE BOLT AT NORTHWEST CORNER OF HUNTLEY ROAD AND ELM AVENUE
STA 317+25.45, 57.56' LT
EL = 813.33 |
| BM#16 | FIRE HYDRANT SOUTHEAST FLANGE BOLT AT SOUTHEAST CORNER OF HUNTLEY ROAD AND WESTLEY LANE
STA 274+95.14, 41' RT
EL = 888.95 | BM#23 | FIRE HYDRANT SOUTHEAST FLANGE BOLT IN SOUTHEAST CORNER OF HUNTLEY ROAD AND SLEEPY HOLLOW ROAD
STA 260+17.17, 32.14 RT
EL = 917.58 |
| BM#17 | FIRE HYDRANT SOUTHEAST FLANGE BOLT AT SOUTHWEST CORNER HUNTLEY ROAD AND HAMILTON DRIVE
STA 283+59.46, 59.60' RT
EL = 862.53 | | |
| BM#19 | FIRE HYDRANT NORTHWEST BONNET BOLT AT NORTHWEST CORNER OF HUNTLEY ROAD AND INLET DRIVE
STA 293+24.12, 76.63' LT
EL = 820.97 | | |
| BM#20 | FIRE HYDRANT NORTHWEST BONNET BOLT ON WEST SIDE OF HARBOR DRIVE APPROXIMATELY 100' NORTH OF HUNTLEY ROAD
STA 304+38.28, 152.70' LT
EL = 809.58 | | |



- LEGEND**
- PAVEMENT REMOVAL
 - MEDIAN REMOVAL
 - DRIVEWAY PAVEMENT REMOVAL
 - CURB OR CURB AND GUTTER REMOVAL
 - AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
 - SIDEWALK REMOVAL
 - TREE TRUNK PROTECTION
 - TREE REMOVAL
 - STORM SEWER/PIPE CULVERT REMOVAL
 - DRAINAGE STRUCTURE TO BE REMOVED
 - BRUSH REMOVAL (INCLUDED IN EARTH EXCAVATION)
 - STRUCTURE TO BE ADJUSTED



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	DRAWN - UKB	REVISED -
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	DATE - 10-09-17	FILE - 140879SHT-Removal.dgn


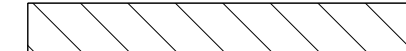






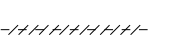



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DEPARTMENT OF TRANSPORTATION**

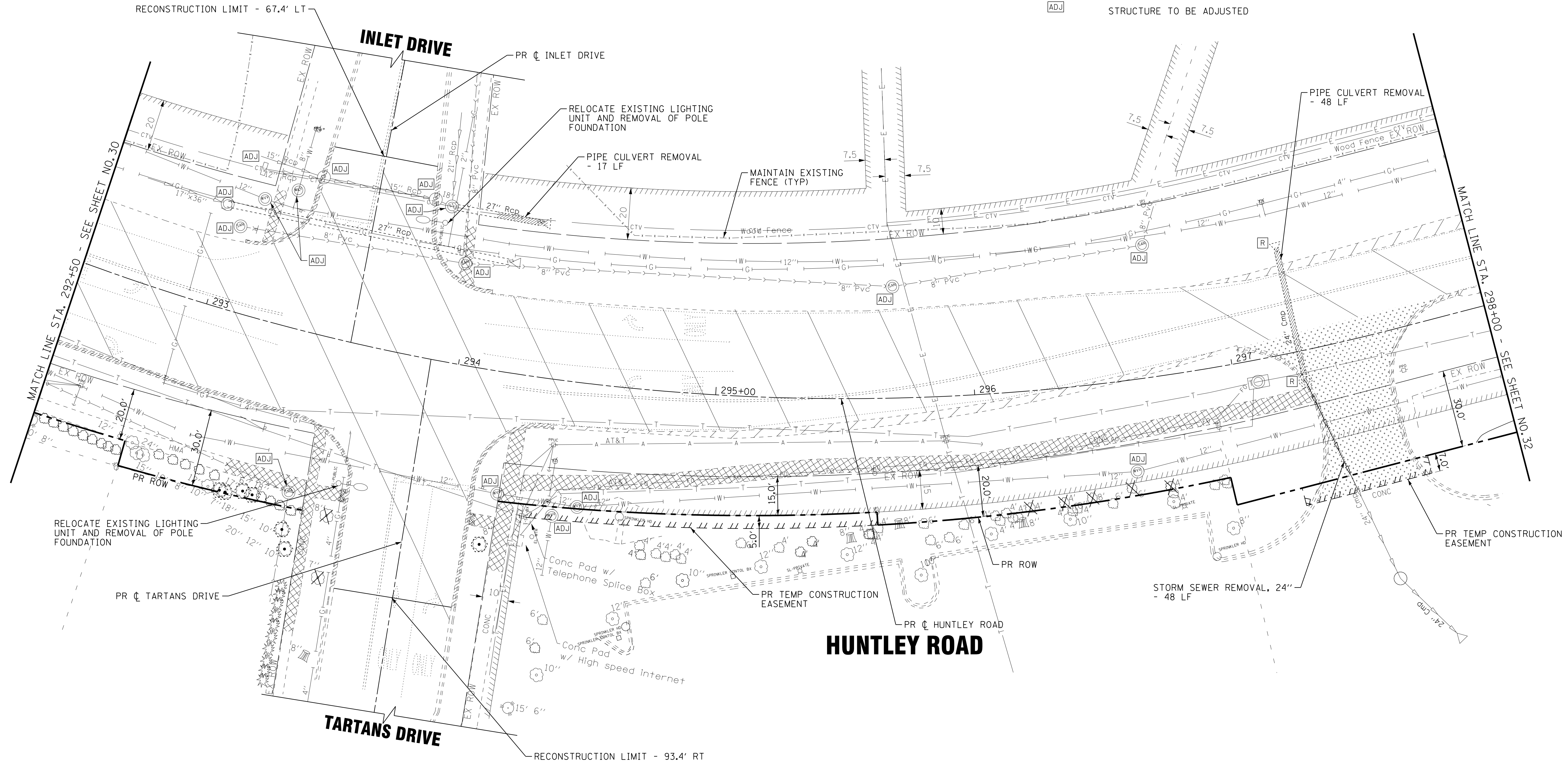
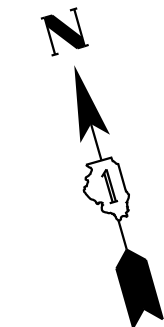
**EXISTING CONDITIONS AND REMOVAL PLAN
HUNTLEY ROAD**

SCALE: 1"=20' STA. 259+00 TO STA. 271+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	28
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				

LEGEND

-  PAVEMENT REMOVAL
-  MEDIAN REMOVAL
-  DRIVEWAY PAVEMENT REMOVAL
-  CURB OR CURB AND GUTTER REMOVAL
-  AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
-  SIDEWALK REMOVAL
-  TREE TRUNK PROTECTION
-  TREE REMOVAL
-  STORM SEWER/PIPE CULVERT REMOVAL
-  DRAINAGE STRUCTURE TO BE REMOVED
-  BRUSH REMOVAL (INCLUDED IN EARTH EXCAVATION)
-  STRUCTURE TO BE ADJUSTED



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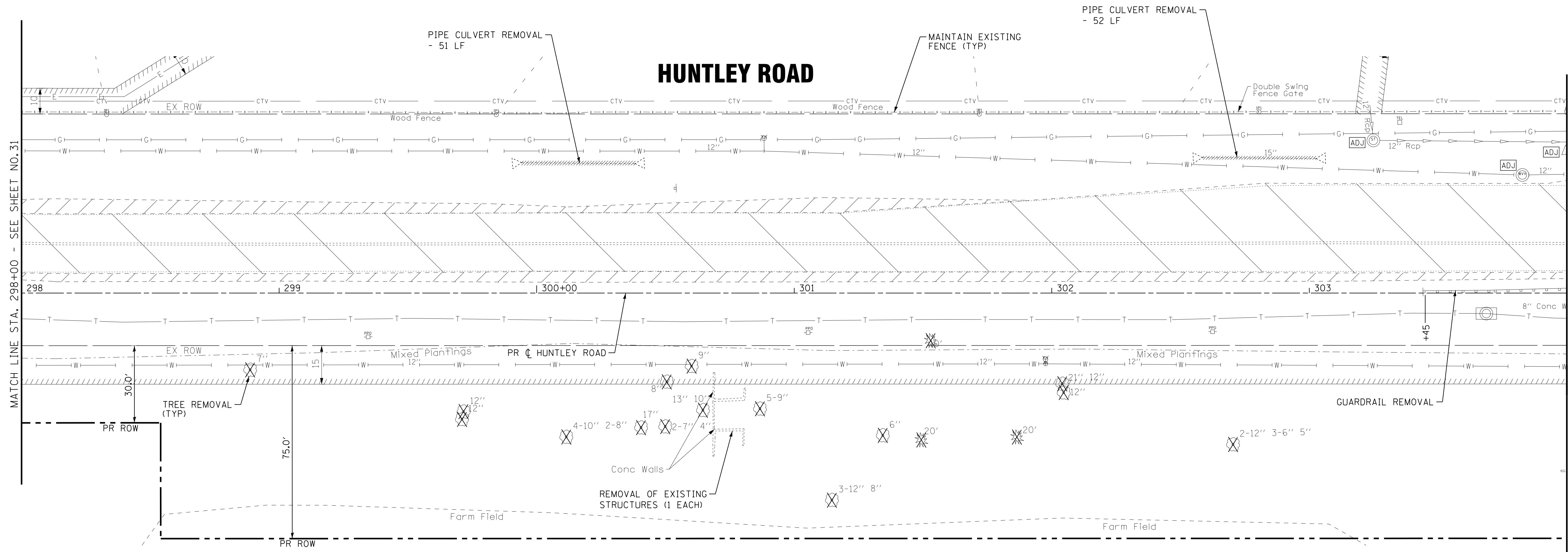
BAXTER & WOODMAN <small>CONSULTING ENGINEERS</small>	DESIGNED - DSH	REVISED -
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	DATE - 10-09-17	FILE - 140879SHT-Removal4.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITIONS AND REMOVAL PLAN
HUNTLEY ROAD**

SCALE: 1"=20' STA. 292+50 TO STA. 298+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	31
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)				

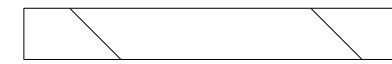
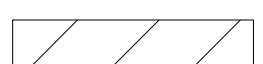
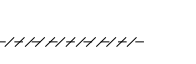
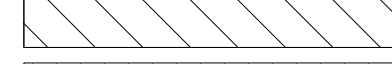


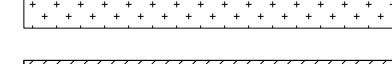


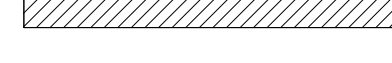




MATCH LINE STA. 298+00 - SEE SHEET NO. 31

MATCH LINE STA. 304+00 - SEE SHEET NO. 33

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LEGEND

 PAVEMENT REMOVAL	 AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)	 STORM SEWER/PIPE CULVERT REMOVAL
 MEDIAN REMOVAL	 SIDEWALK REMOVAL	 DRAINAGE STRUCTURE TO BE REMOVED
 DRIVEWAY PAVEMENT REMOVAL	 TREE TRUNK PROTECTION	 BRUSH REMOVAL (INCLUDED IN EARTH EXCAVATION)
 CURB OR CURB AND GUTTER REMOVAL	 TREE REMOVAL	 STRUCTURE TO BE ADJUSTED

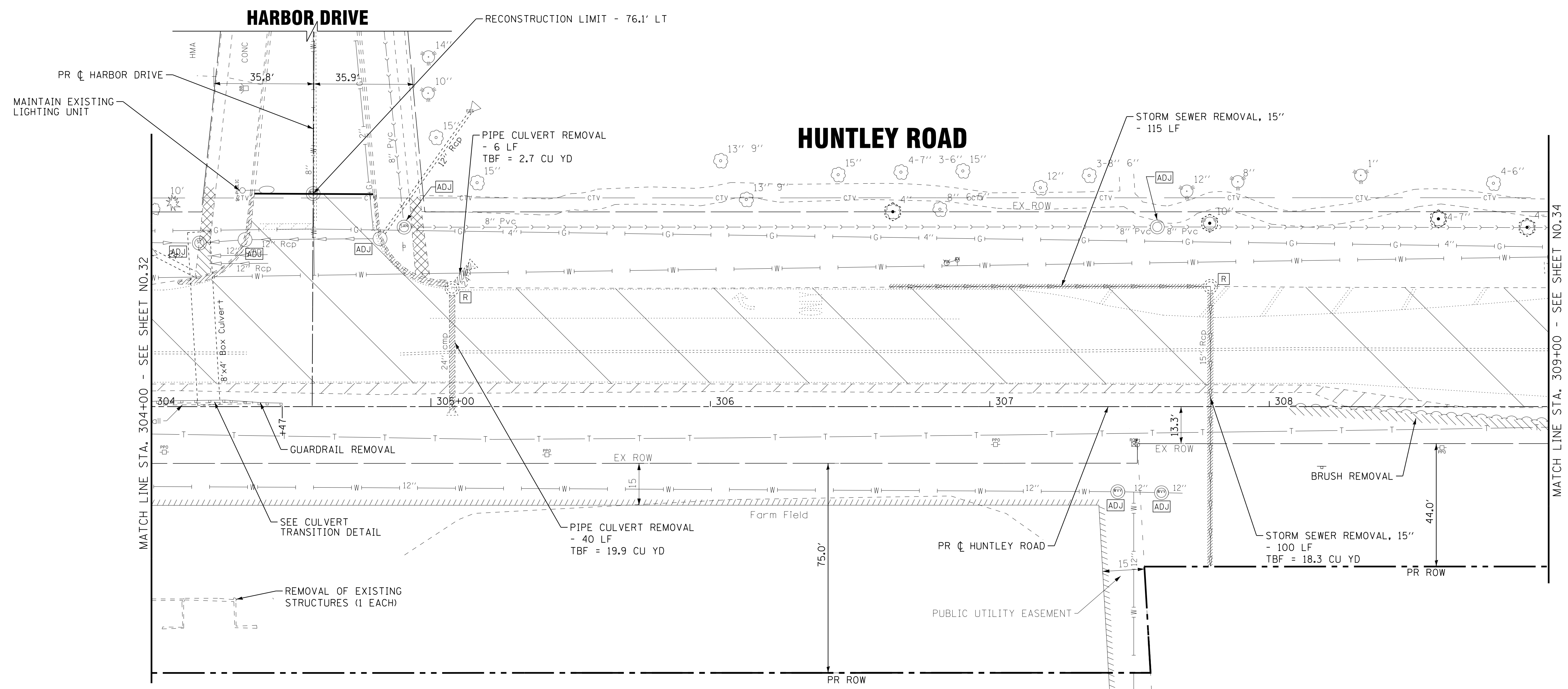
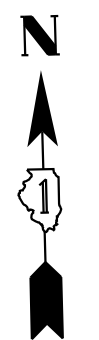
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITIONS AND REMOVAL PLAN
HUNTLEY ROAD**

SCALE: 1"=20' STA. 298+00 TO STA. 304+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	32
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



MATCH LINE STA. 304+00 - SEE SHEET NO.32

MATCH LINE STA. 309+00 - SEE SHEET NO.34

LEGEND			
	PAVEMENT REMOVAL		STORM SEWER/PIPE CULVERT REMOVAL
	MEDIAN REMOVAL		DRAINAGE STRUCTURE TO BE REMOVED
	DRIVEWAY PAVEMENT REMOVAL		BRUSH REMOVAL (INCLUDED IN EARTH EXCAVATION)
	CURB OR CURB AND GUTTER REMOVAL		STRUCTURE TO BE ADJUSTED
	TREE TRUNK PROTECTION		
	TREE REMOVAL		

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CHECKED - DTH	REVISED -
DATE - 10-09-17	FILE - 140879SHT-Removal5.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

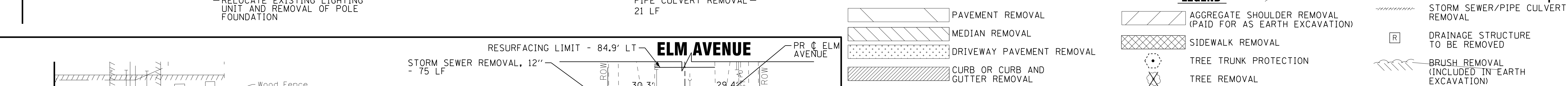
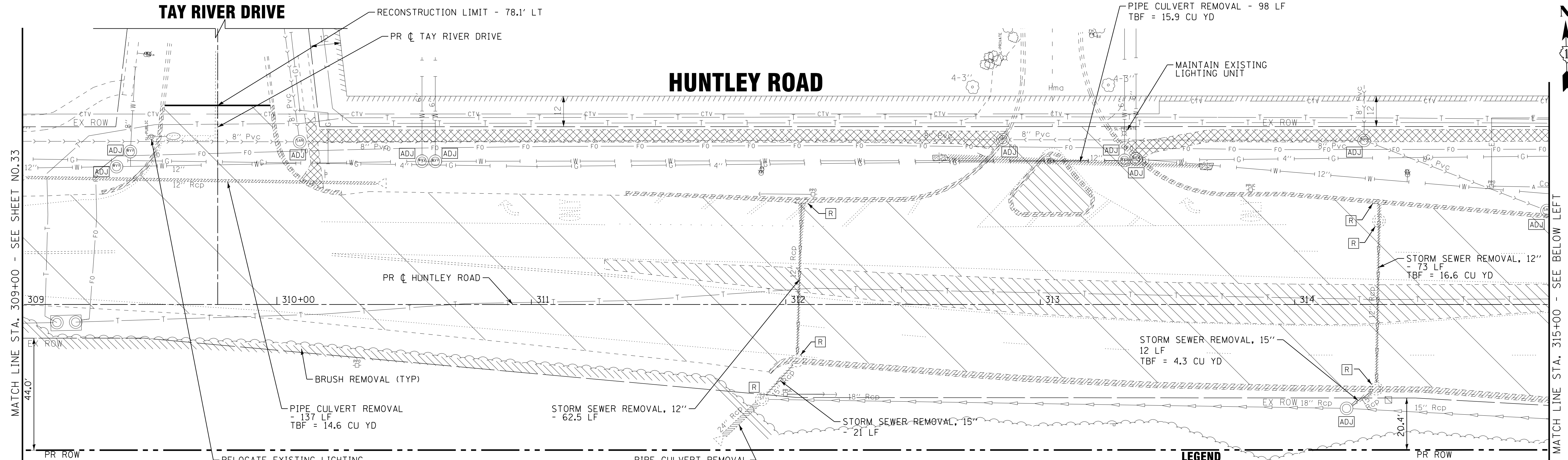
**EXISTING CONDITIONS AND REMOVAL PLAN
HUNTLEY ROAD**

SCALE: 1"=20' STA. 304+00 TO STA. 309+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	33
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)			CONTRACT NO. 61C86	

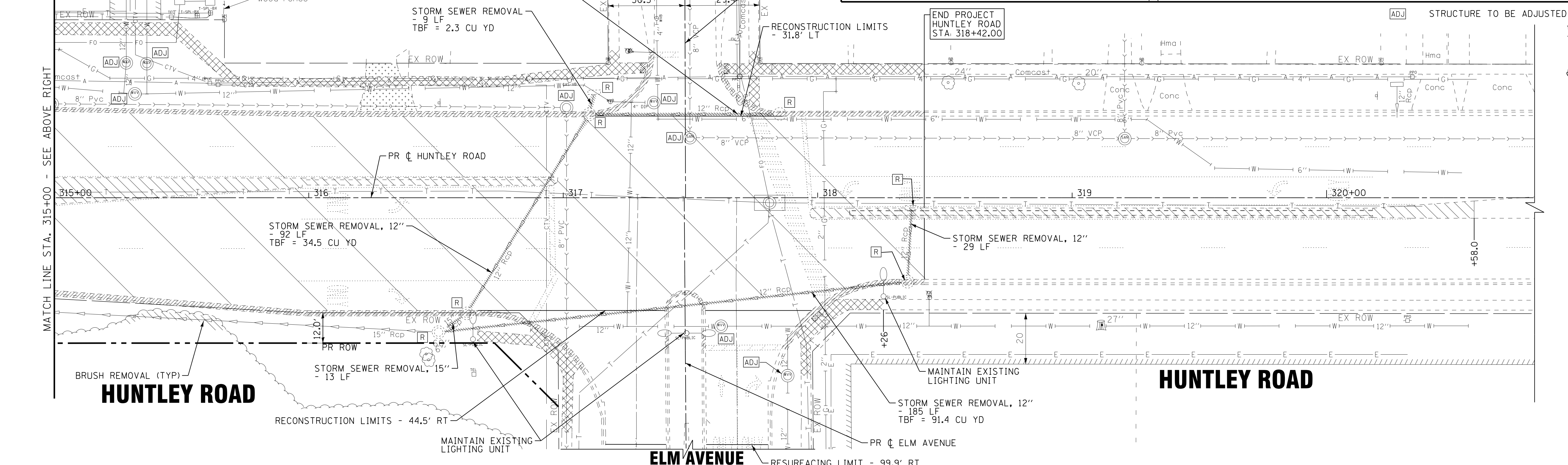
TAY RIVER DRIVE

HUNTLEY ROAD



LEGEND

- [Hatched Box] PAVEMENT REMOVAL
- [Hatched Box] AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
- [Hatched Box] MEDIAN REMOVAL
- [Hatched Box] DRIVEWAY PAVEMENT REMOVAL
- [Hatched Box] CURB OR CURB AND GUTTER REMOVAL
- [Hatched Box] SIDEWALK REMOVAL
- [Hatched Box] TREE TRUNK PROTECTION
- [Hatched Box] TREE REMOVAL
- [Dashed Line] STORM SEWER/PIPE CULVERT REMOVAL
- [Box with R] DRAINAGE STRUCTURE TO BE REMOVED
- [Box with ADJ] STRUCTURE TO BE ADJUSTED
- [Wavy Line] BRUSH REMOVAL (INCLUDED IN EARTH EXCAVATION)

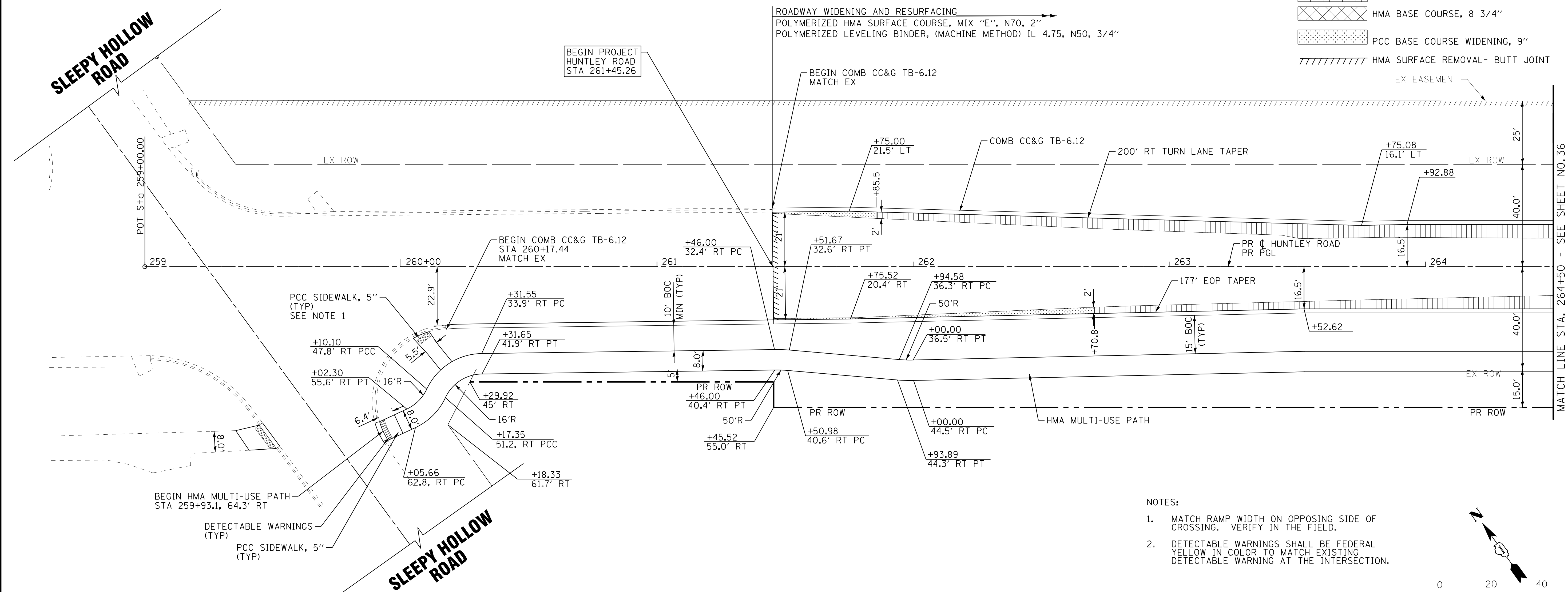


<p>BAXTER & WOODMAN CONSULTANTS, INC.</p>	DESIGNED - DSH	REVISED -	<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>EXISTING CONDITIONS AND REMOVAL PLAN HUNTLEY ROAD</p>	F.A.U. R.T.E. - 1283	SECTION - 14-00057-00-WR	COUNTY - KANE	TOTAL SHEETS - 173	SHEET NO. - 34
	DRAWN - UKB	REVISED -			SCALE: 1"=20'	STA. 309+00	TO STA. 320+00	CONTRACT NO. 61C86	
CHECKED - DTH	REVISED -	FILE - 140879SHT-Removal6.dgn			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				
DATE - 10-09-17									

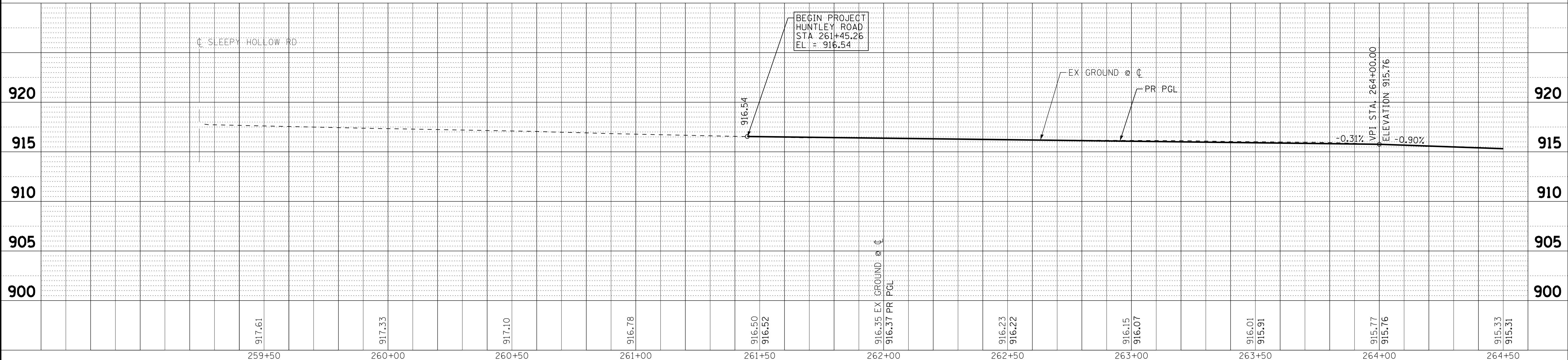
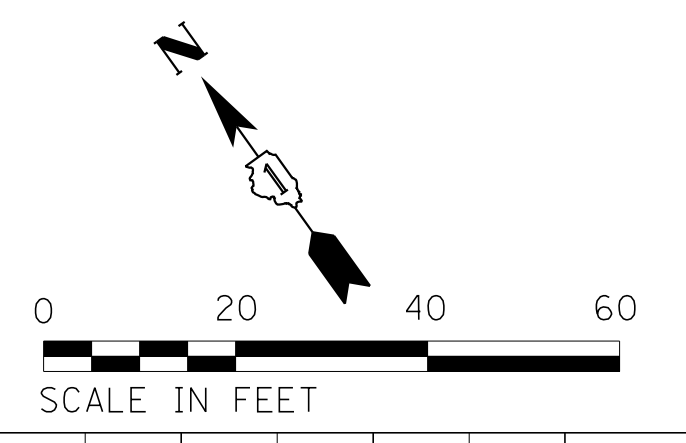
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LEGEND

- HMA BASE COURSE WIDENING, 8 3/4"
- HMA BASE COURSE, 8 3/4"
- PCC BASE COURSE WIDENING, 9"
- HMA SURFACE REMOVAL- BUTT JOINT



- NOTES:
- MATCH RAMP WIDTH ON OPPOSING SIDE OF CROSSING. VERIFY IN THE FIELD.
 - DETECTABLE WARNINGS SHALL BE FEDERAL YELLOW IN COLOR TO MATCH EXISTING DETECTABLE WARNING AT THE INTERSECTION.



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	CHECKED - DTH	REVISED -
	DATE - 10-09-17	FILE - 140879SHT-PP1.dgn



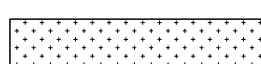
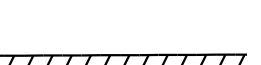
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

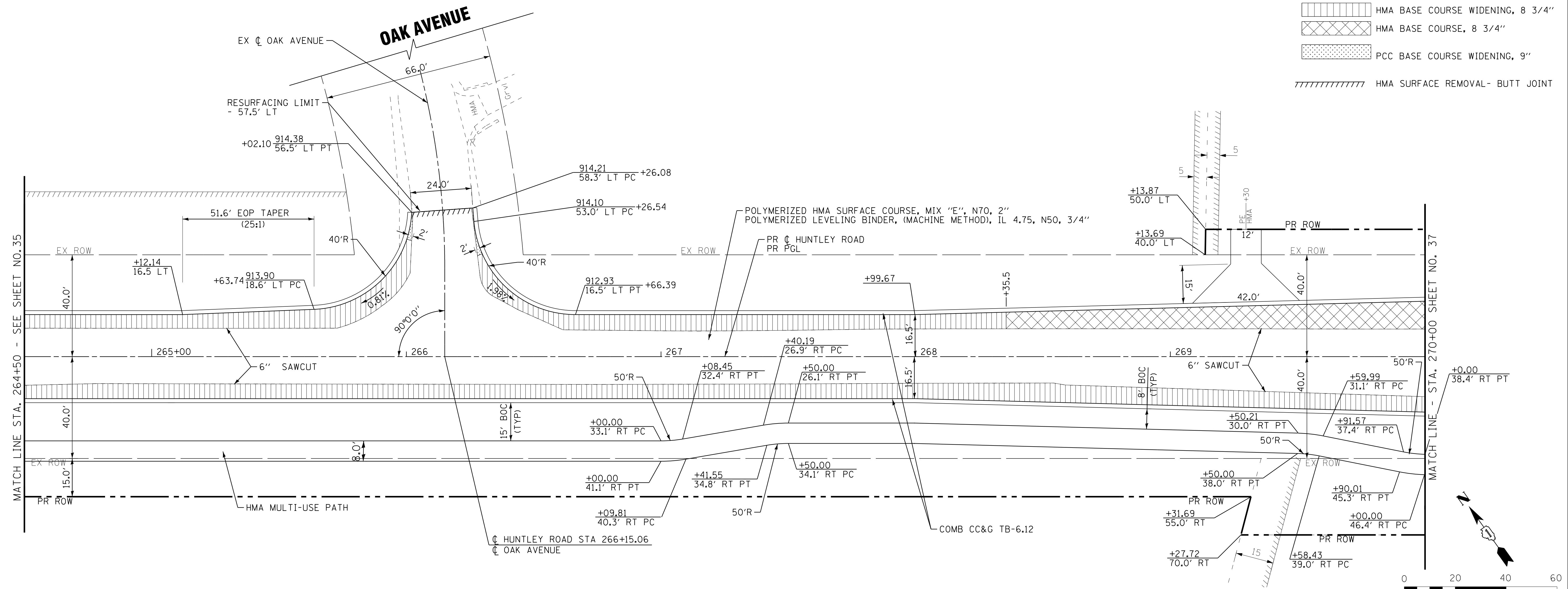
**PLAN AND PROFILE
HUNTLEY ROAD**

SCALE: H: 1"=20' V: 1"=5'
STA. 259+00 TO STA. 264+50

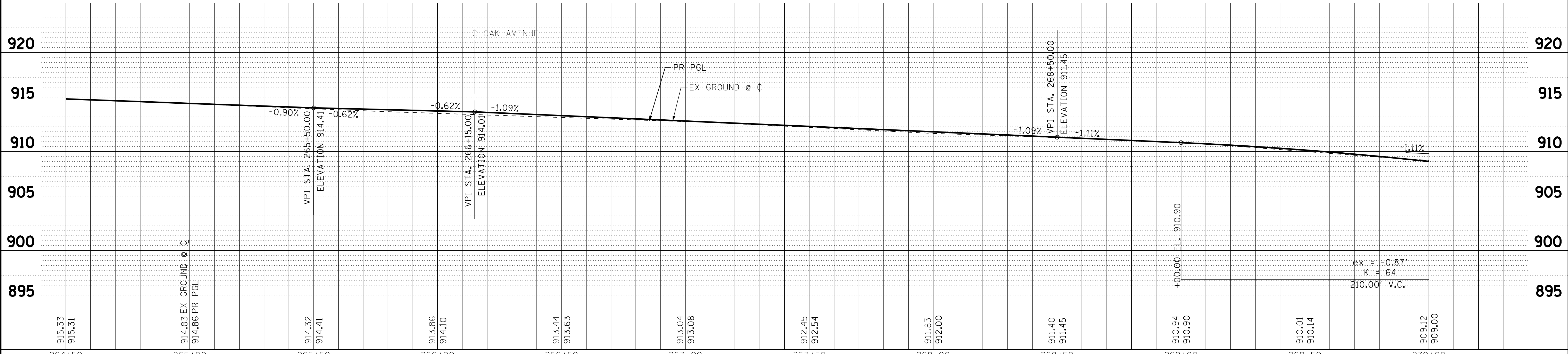
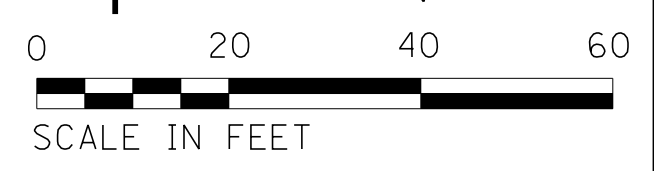
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	35
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT M-4003(447)	

LEGEND

-  HMA BASE COURSE WIDENING, 8 3/4"
-  HMA BASE COURSE, 8 3/4"
-  PCC BASE COURSE WIDENING, 9"
-  HMA SURFACE REMOVAL- BUTT JOINT



HUNTLEY ROAD



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CHECKED - DTH	REVISED -
DATE - 10-09-17	FILE - 140879SHT-PP2.dgn

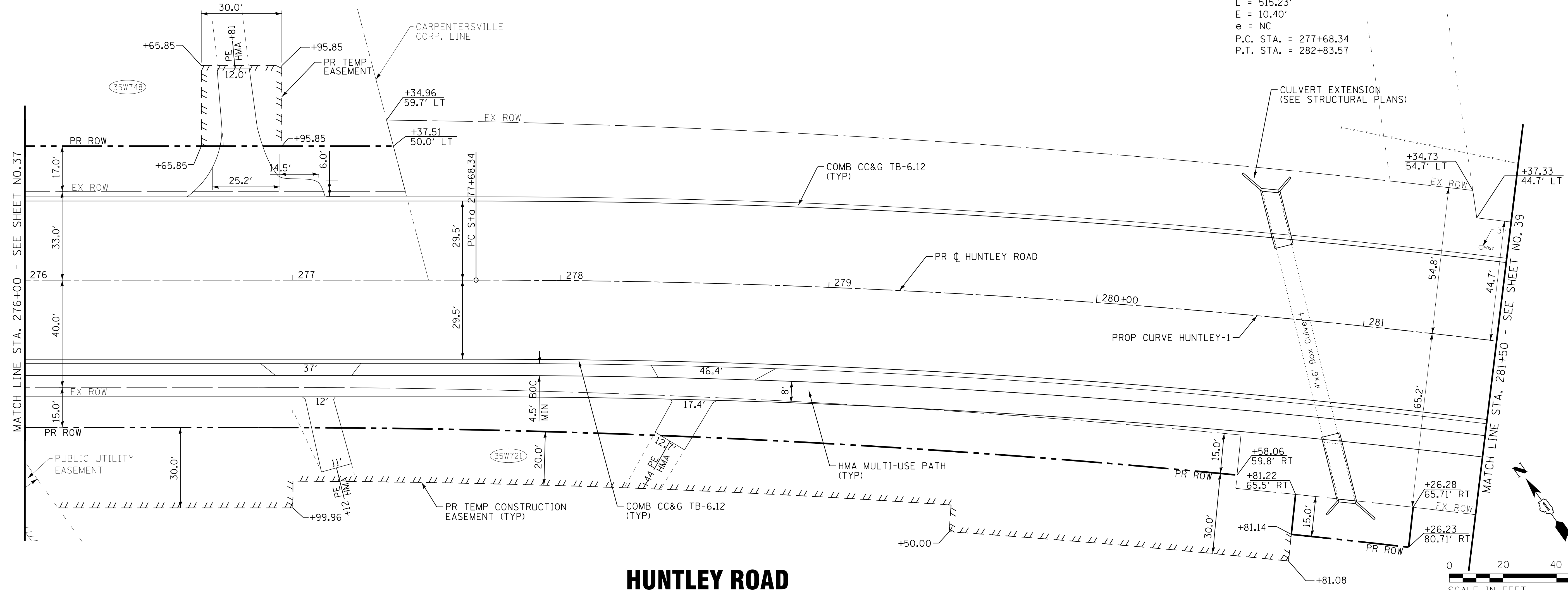
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
HUNTLEY ROAD

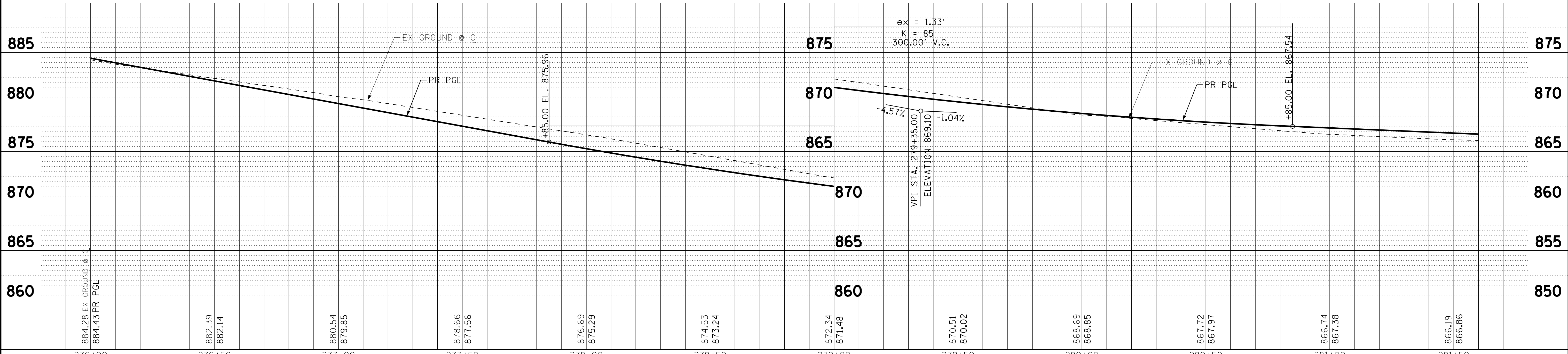
SCALE: H: 1"=20' V: 1"=5' STA. 264+50 TO STA. 270+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	36
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	

PROP. CURVE HUNTLEY-1
 PI STA. = 280+26.52
 $\Delta = 9^\circ 13' 32''$ (RT)
 $D = 1^\circ 47' 26''$
 $R = 3,200.00'$
 $T = 258.18'$
 $L = 515.23'$
 $E = 10.40'$
 $e = NC$
 P.C. STA. = 277+68.34
 P.T. STA. = 282+83.57



HUNTLEY ROAD



884.28	882.39	880.54	878.66	876.69	874.53	872.34	870.51	868.69	867.72	866.74	866.19
884.43	882.14	879.85	877.56	875.29	873.24	871.48	870.02	868.85	867.97	867.38	866.86
276+00	276+50	277+00	277+50	278+00	278+50	279+00	279+50	280+00	280+50	281+00	281+50



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DRAWN	- UKB	REVISED	-
CHECKED	- DTH	REVISED	-
DATE	- 10-09-17	FILE	- 140879SHT-PP4.dgn

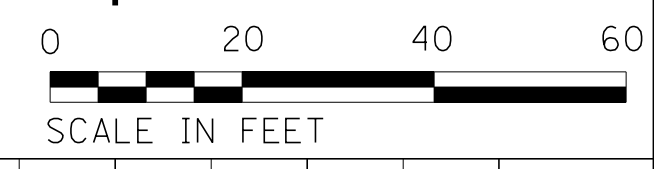
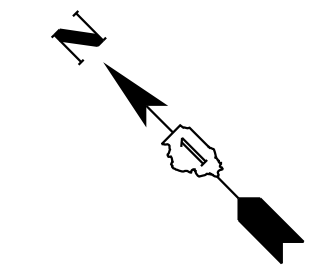
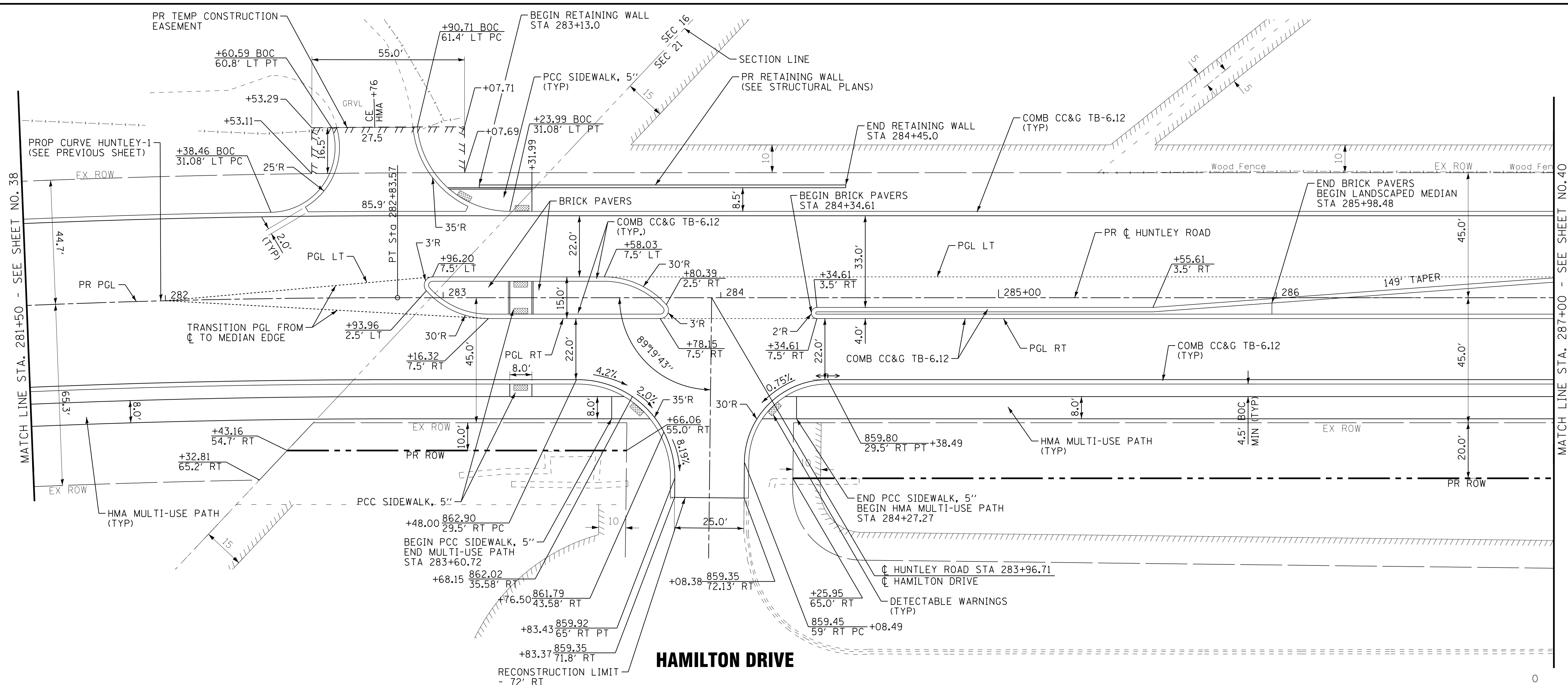
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
 HUNTLEY ROAD

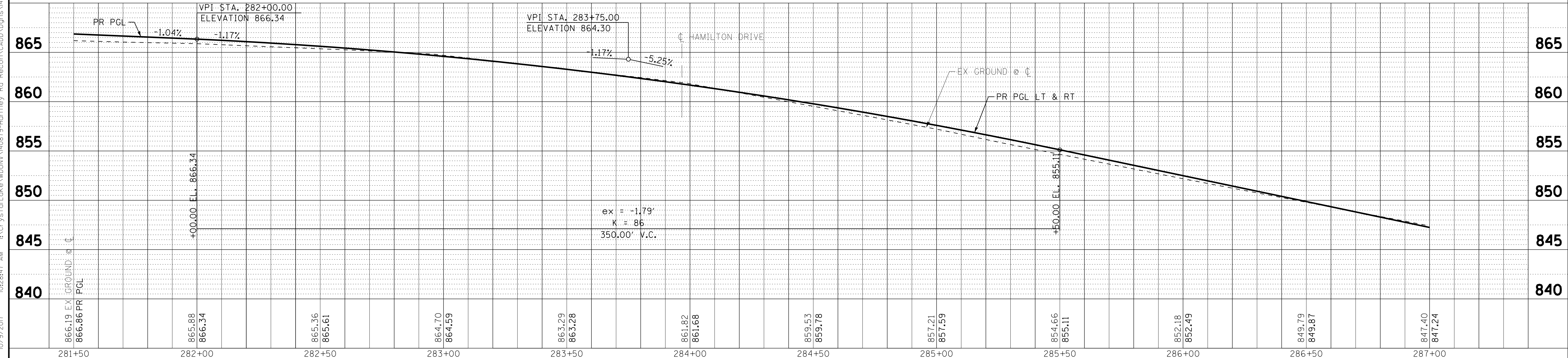
SCALE: H: 1"=20' V: 1"=5' STA. 276+00 TO STA. 281+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	38
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	

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HUNTLEY ROAD



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DRAWN - UKB	REVISED -
CHECKED - DTH	REVISED -
DATE - 10-09-17	FILE - 140879SHT-PP5.dgn

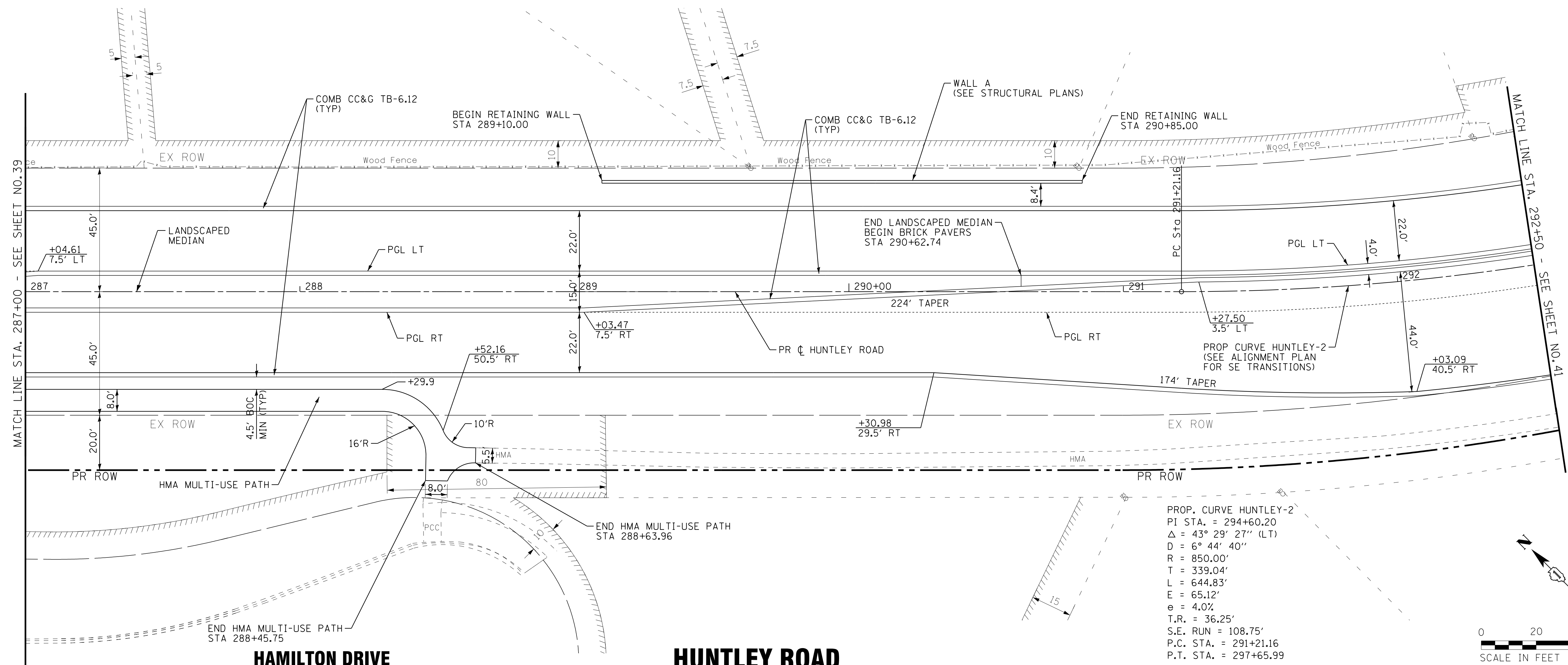
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PLAN AND PROFILE
HUNTLEY ROAD

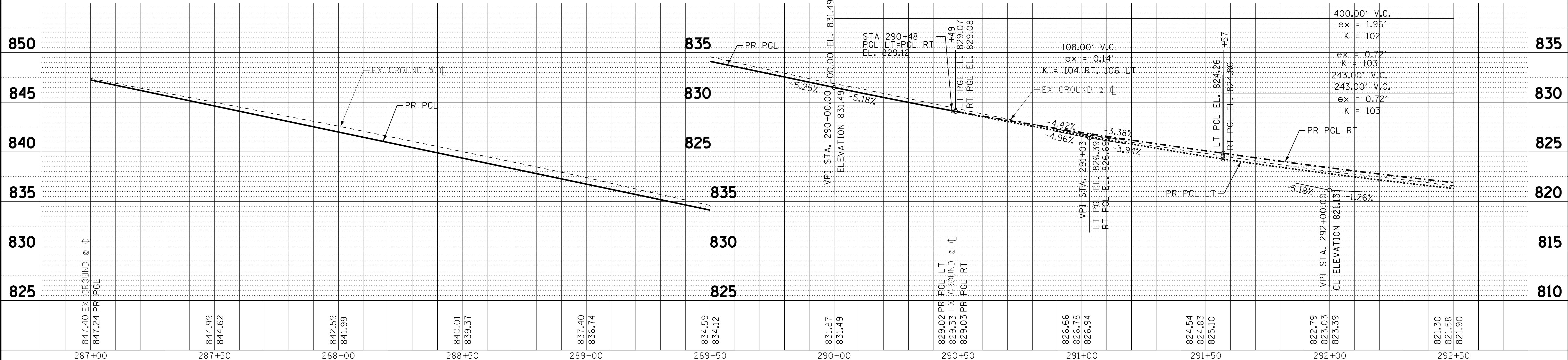
SCALE: H: 1"=20' V: 1"=5' STA. 281+50 TO STA. 287+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	39
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	

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PROP. CURVE HUNTLEY-2
 PI STA. = 294+60.20
 $\Delta = 43^\circ 29' 27''$ (LT)
 $D = 6^\circ 44' 40''$
 $R = 850.00'$
 $T = 339.04'$
 $L = 644.83'$
 $E = 65.12'$
 $e = 4.0\%$
 $T.R. = 36.25'$
 $S.E. RUN = 108.75'$
 $P.C. STA. = 291+21.16$
 $P.T. STA. = 297+65.99$



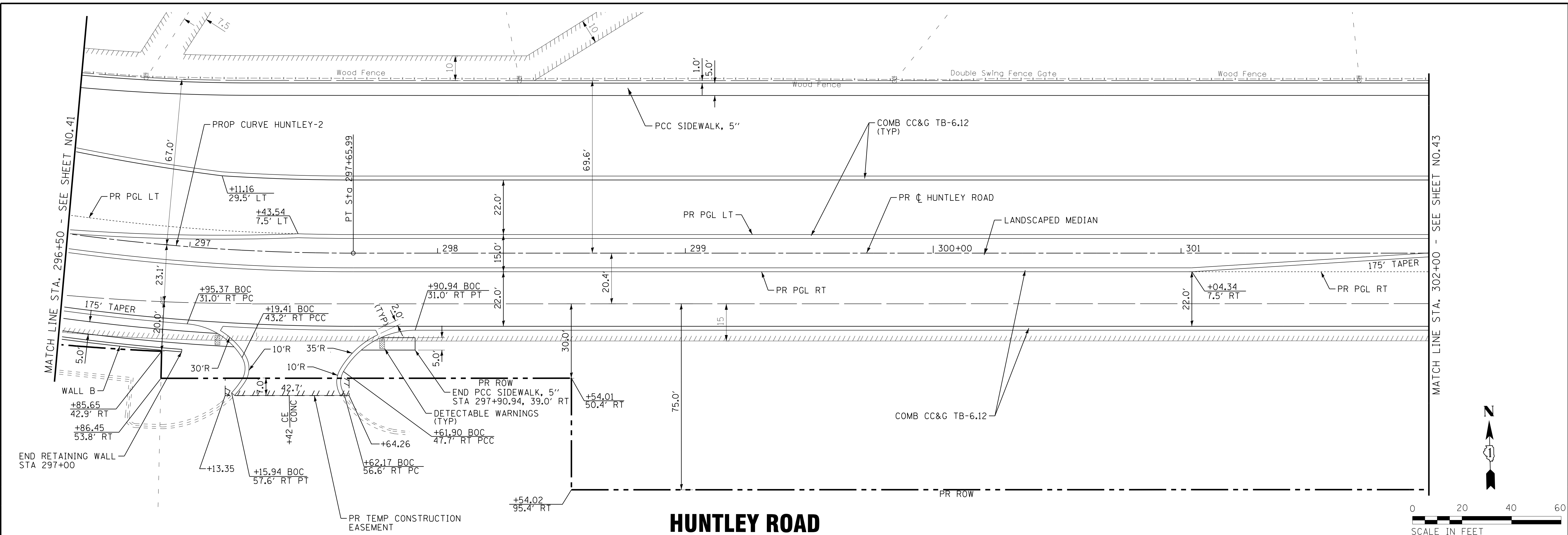
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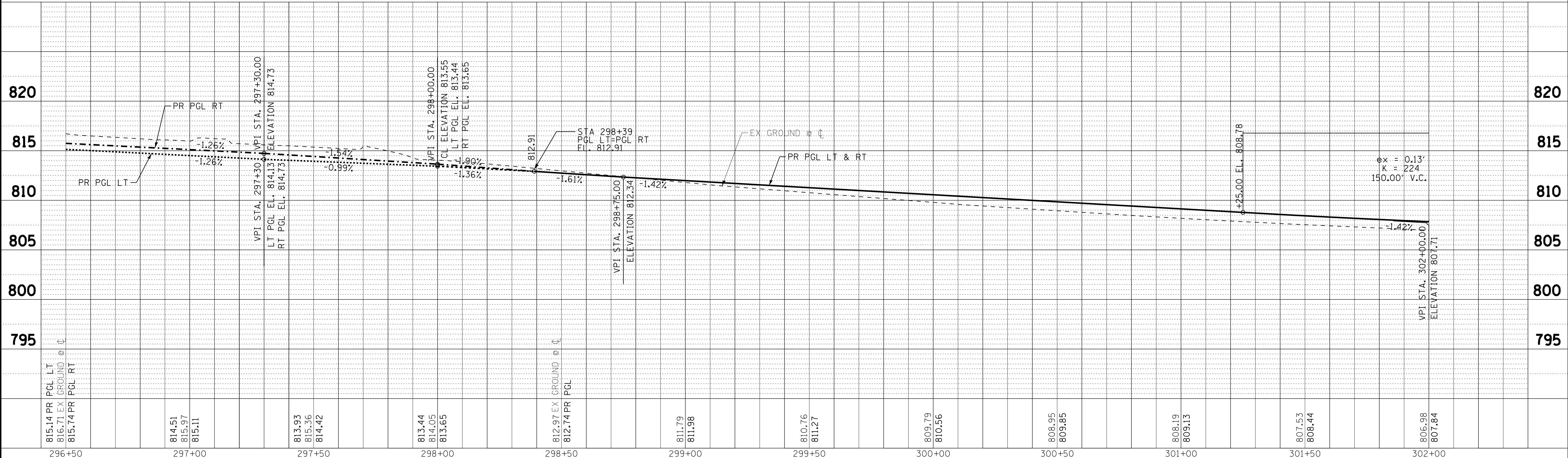
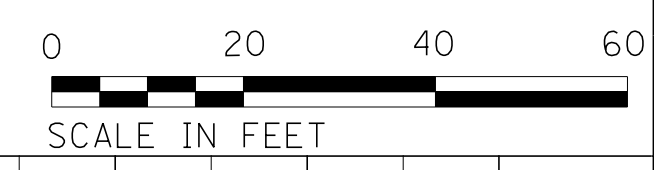
PLAN AND PROFILE
HUNTLEY ROAD

SCALE: H: 1"=20' V: 1"=5' STA. 287+00 TO STA. 292+50

F.A.U. RTF. 1283	SECTION 14-00057-00-WR	COUNTY KANE	TOTAL SHEETS 173	SHEET NO. 40
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	



HUNTLEY ROAD



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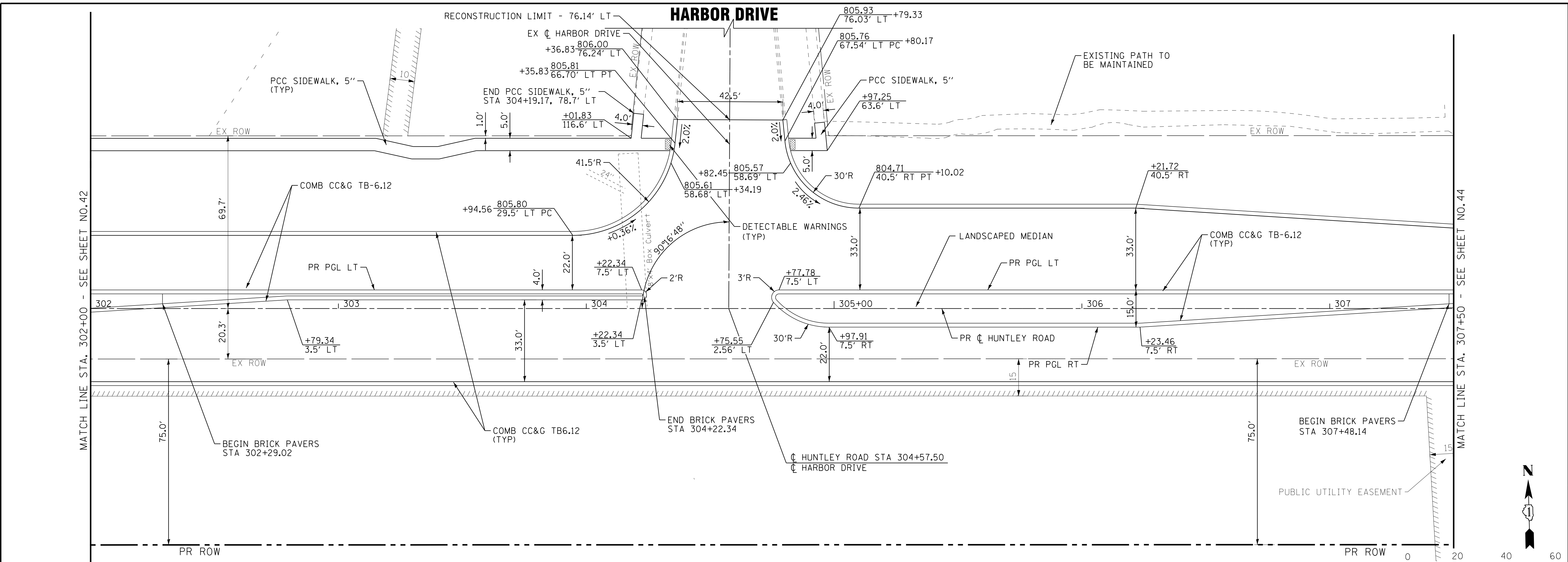
STATE OF ILLINOIS
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PLAN AND PROFILE
HUNTLEY ROAD

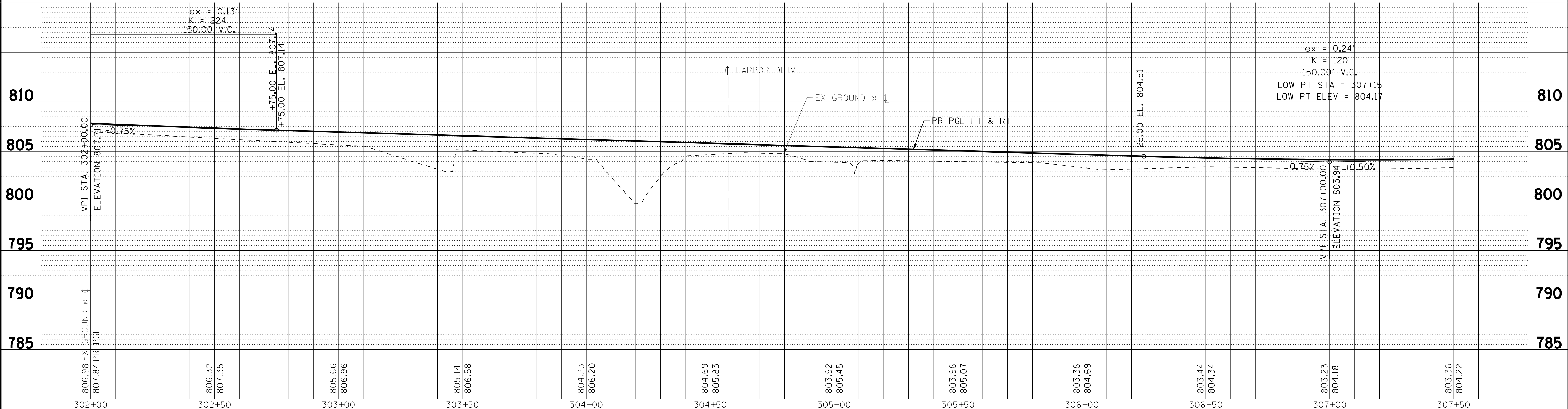
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	42
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	

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HUNTLEY ROAD



806.98 807.84	806.32 807.35	805.66 806.96	805.14 806.58	804.23 806.20	804.69 805.83	803.92 805.45	803.98 805.07	803.38 804.69	803.44 804.34	803.23 804.18	803.36 804.22
302+00	302+50	303+00	303+50	304+00	304+50	305+00	305+50	306+00	306+50	307+00	307+50



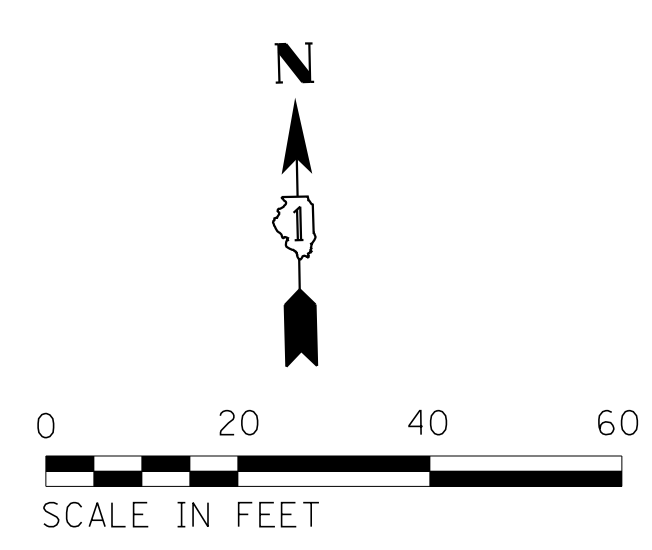
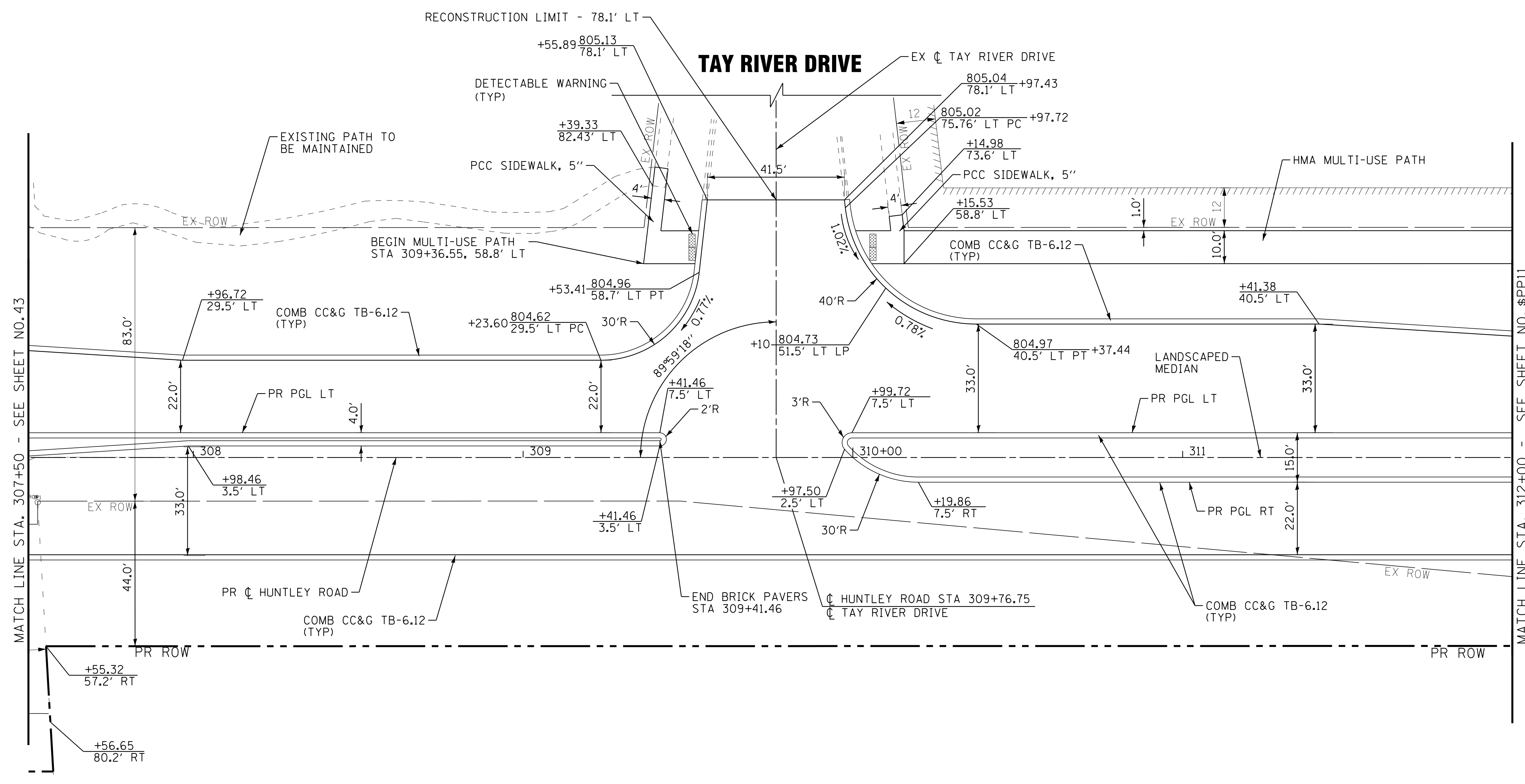
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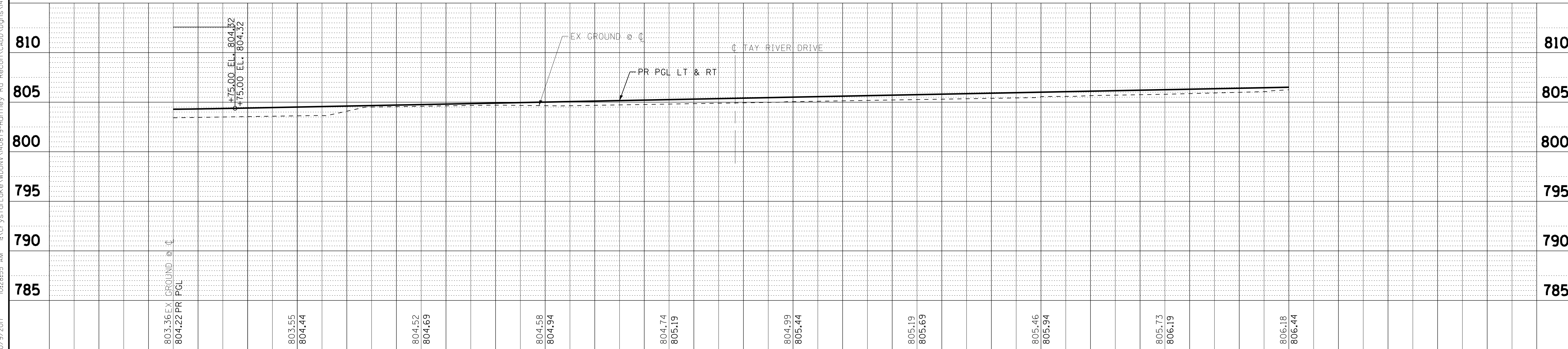
PLAN AND PROFILE
HUNTLEY ROAD

SCALE: H: 1"=20' V: 1"=5'
STA. 302+00 TO STA. 307+50

F.A.U. RTE. 1283	SECTION 14-00057-00-WR	COUNTY KANE	TOTAL SHEETS 173	SHEET NO. 43
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	



HUNTLEY ROAD



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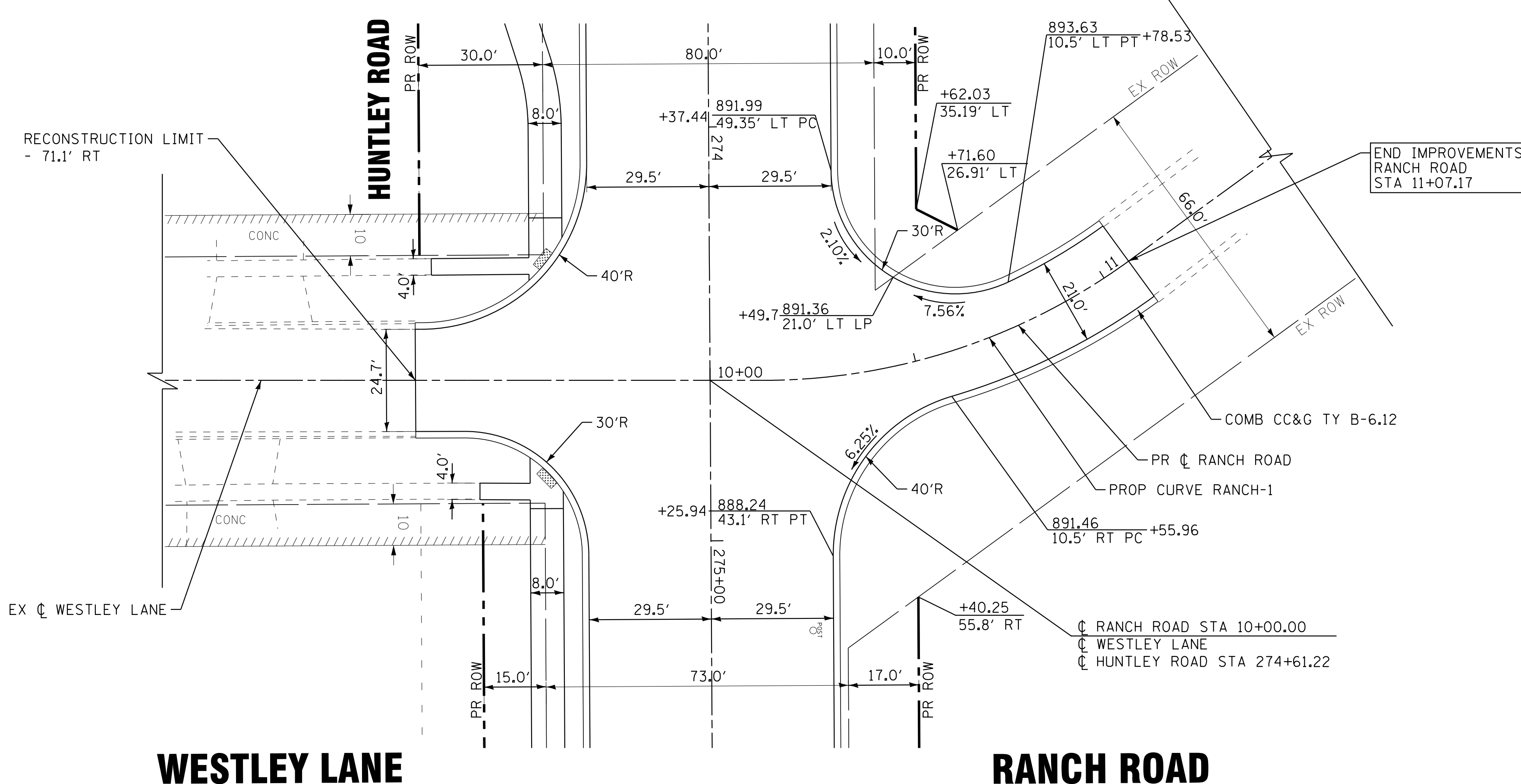
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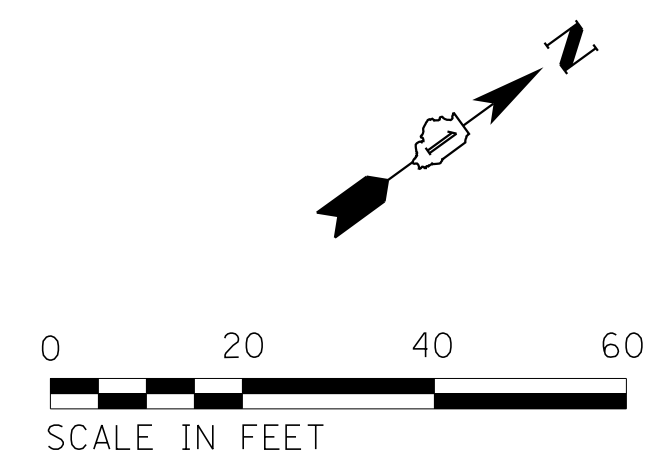
PLAN AND PROFILE
HUNTLEY ROAD

SCALE: H: 1"=20' V: 1"=5' STA. 307+50 TO STA. 312+00

F.A.U. RTE. 1283	SECTION 14-00057-00-WR	COUNTY KANE	TOTAL SHEETS 173	SHEET NO. 44
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	

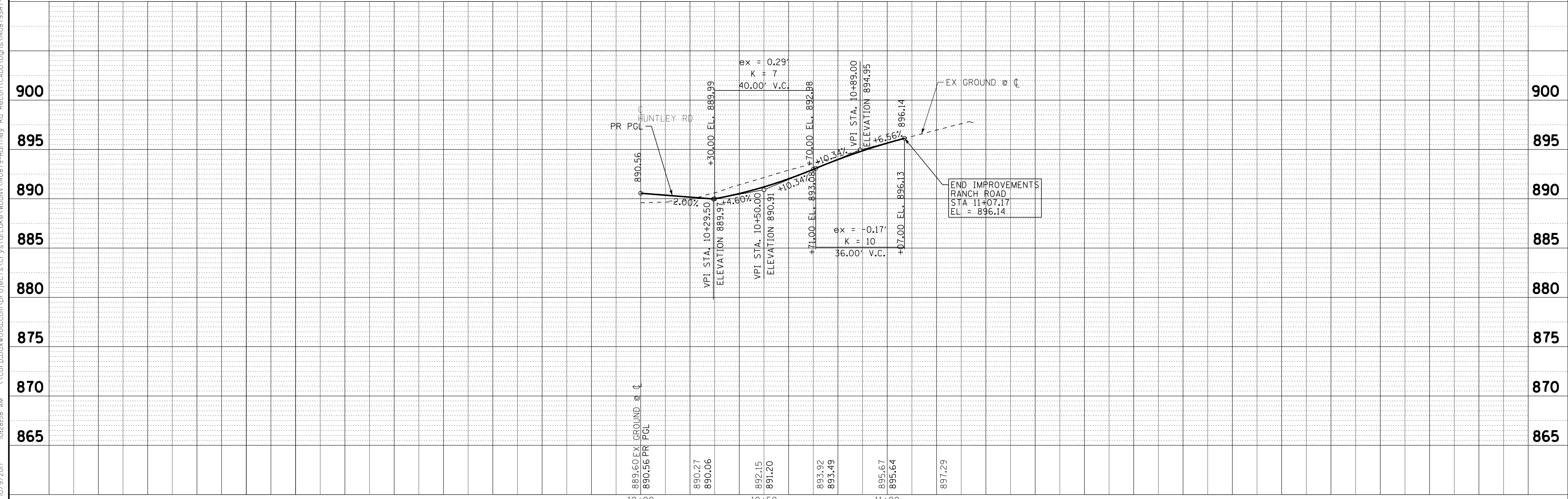


PROP. CURVE RANCH-1
 PI STA. = 10+61.54
 $\Delta = 36^\circ 06' 11''$ (LT)
 $D = 38^\circ 11' 50''$
 $R = 150.00'$
 $T = 48.89'$
 $L = 94.52'$
 $E = 7.77'$
 $e = NC$
 P.C. STA. = 10+12.66
 P.T. STA. = 11+07.17



WESTLEY LANE

RANCH ROAD



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PLAN AND PROFILE
 RANCH ROAD

SCALE: H: 1"=20' V: 1"=5' STA. 10+00 TO STA. 11+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	47
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)			CONTRACT NO. 61C86	

MAINTENANCE OF TRAFFIC GENERAL NOTES:

1. THE CONTRACTOR SHALL SUBMIT A PREPLANNED SEQUENCE OF WORK AT THE PRECONSTRUCTION MEETING FOR REVIEW AND APPROVAL. WORK SHALL BE SCHEDULED TO MINIMIZE INCONVENIENCE TO RESIDENTS AND BUSINESSES AND TO MAINTAIN A REASONABLE LEVEL OF CONSTRUCTION EFFICIENCY. THE ENGINEER RESERVES THE RIGHT TO RESTRICT WORK ON ANY ROADWAY SEGMENT IF CONSTRUCTION OPERATIONS ON A PREVIOUS SEGMENT ARE UNACCEPTABLE; TRAFFIC CONTROL OPERATIONS BECOME UNACCEPTABLE; OR ANY EROSION CONTROL DEFICIENCY EXISTS.
2. THE TRAFFIC CONTROL PLAN SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT, HOWEVER, THE CONTRACTOR MAY IMPROVE OR MODIFY THE TRAFFIC CONTROL PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ALL CHANGES TO THE TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
3. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE TO THE STAGING PLANS, OR ANY CHANGE IN STAGE.
4. ALL SIDE STREETS SHALL BE OPEN TO TWO-WAY TRAFFIC AT THE END OF EACH DAY.
5. RESIDENTS SHALL HAVE ACCESS TO THEIR DRIVEWAYS AT THE END OF EACH DAY.
6. CONSTRUCTION OPERATIONS INVOLVING THE TEMPORARY CLOSING OF DRIVEWAYS SHALL NOT COMMENCE WITHOUT THE CONTRACTOR NOTIFYING THE VILLAGE AT LEAST THREE DAYS PRIOR. THE CONTRACTOR WILL ALSO BE REQUIRED TO PROVIDE 48-HOUR NOTICE TO AFFECTED PARTIES BY DISTRIBUTING NOTICES AND/OR POSTING SIGNS.
7. ALL OF THE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE CONSTRUCTION IS STARTED. ALL TEMPORARY PAVEMENT MARKINGS & TRAFFIC CONTROL DEVICES SHALL BE IN PLACE AT THE BEGINNING OF EACH STAGE, AND SHALL BE MAINTAINED FOR THE DURATION OF THAT STAGE UNLESS OTHERWISE DETERMINED BY THE ENGINEER.
8. A MINIMUM OF ONE (1) TEN FOOT (10') LANE IN EACH DIRECTION SHALL BE KEPT OPEN TO TRAFFIC AT ALL TIMES.
9. ALL PAVEMENT MARKINGS CONFLICTING WITH THE REVISED TRAFFIC PATTERNS SHALL BE REMOVED. PAVEMENT MARKING, TYPE III SHALL BE USED ON THE FINAL WEARING SURFACE OR ON THE EXISTING PAVEMENT TO REMAIN WHEN THE TEMPORARY PAVEMENT MARKING CONFLICTS WITH THE PERMANENT PAVEMENT MARKINGS SUCH AS ON TAPERS OR LANE SHIFTS.
10. THE CONTRACTOR SHALL PROVIDE INFORMATION SIGNS ON TEMPORARY SUPPORTS FOR ALL COMMERCIAL DRIVEWAYS. THESE SIGNS SHALL BE WHITE ON GREEN IN ACCORDANCE WITH DISTRICT ONE DETAIL TC-26. THIS WORK WILL BE PAID PER THE DISTRICT ONE DETAIL TC-26. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO ALL ENTRANCES, APPROACHES, AND TEMPORARY ROADS WITHIN THE PROJECT LIMITS. THIS WORK WILL BE INCLUDED IN THE COST OF TEMPORARY ACCESS (PRIVATE ENTRANCE) OR TEMPORARY ACCESS (COMMERCIAL ENTRANCE).
11. A TEMPORARY HOT-MIX ASPHALT WEDGE TO TRANSITION THE DIFFERENTIAL ELEVATIONS CAUSED BY STAGED CONSTRUCTION SHALL BE INSTALLED BETWEEN THE NEW CONSTRUCTION AND THE EXISTING PAVEMENT. ANY PAVEMENT DROP-OFFS GREATER THAN 3 INCHES IMMEDIATELY ADJACENT TO TRAFFIC SHALL NOT BE LEFT OVERNIGHT. PROVIDE TEMPORARY BITUMINOUS RAMP WEDGE OR OTHER MITIGATING MEASURES APPROVED BY THE ENGINEER.
12. ALL TEMPORARY STORM SEWER PLUGS AND TEMPORARY STORM SEWER CONNECTIONS REQUIRED FOR CONSTRUCTION STAGING SHALL BE INCLUDED IN THE COST OF THE STORM SEWER CONSTRUCTION.
13. ALL TRENCHES, HOLES, AND PITS SHALL BE FILLED OR COVERED WITH STEEL PLATES EXCEPT DURING ACTUAL CONSTRUCTION THERE IN. THIS WORK SHALL BE INCLUDED IN THE COST OF THE ITEMS FOR WHICH IT APPLIES.
14. ALL "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL AMBER FLASHING LIGHTS.
15. EXISTING TRAFFIC CONTROL DEVICES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGED SIGNS CAUSED BY HIS WORK SHALL BE REPLACED BY THE CONTRACTOR.
16. TRAFFIC CONTROL DEPICTED ON THE MAINTENANCE OF TRAFFIC PLANS IS THE MINIMUM REQUIREMENT. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER.
17. TYPE I, TYPE II, OR DRUM BARRICADES WITH TWO-WAY FLASHING LIGHTS SHALL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, TRANSVERSE PAVEMENT JOINTS, MATERIALS OR EQUIPMENT WITHIN THE RIGHT-OF-WAY (NUMBER AND SPACING DEPENDS ON THE CONDITIONS); AND AT LOCATIONS DESIGNATED BY THE ENGINEER OR LOCAL LAW ENFORCEMENT AGENCIES.
18. THE CONTRACTOR SHALL PROVIDE, INSTALL MAINTAIN AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL AND PROTECTION. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".
19. ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING LANE CLOSURES.
20. THE CONTRACTOR SHALL REPLACE THE CENTER MEDIAN WITH TEMPORARY PAVEMENT AS SOON AS POSSIBLE TO PREVENT WATER FROM ACCUMULATING IN THE MEDIAN. THE CONTRACTOR SHALL PUMP WATER THAT ACCUMULATES IN THE MEDIAN BEFORE THE TEMPORARY PAVEMENT IS CONSTRUCTED. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR "TEMPORARY PAVEMENT".
21. ANY SAW CUTTING OF THE EXISTING PAVEMENT FOR STAGE CONSTRUCTION SHALL BE INCLUDED IN THE COST FOR "PAVEMENT REMOVAL".
22. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DETERMINED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL RESPOND TO ANY REQUEST MADE BY THE ENGINEER FOR CORRECTION WITHIN TWO HOURS FROM THE TIME OF NOTIFICATION.
23. WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTION IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
24. A TYPE II BARRICADE WITH A "SIDEWALK CLOSED" SIGN AFFIXED, SHALL BE PLACED ON ALL SIDEWALKS CLOSED DUE TO CONSTRUCTION ACTIVITIES.
25. ACCESS FOR LOCAL TRAFFIC, MAIL SERVICE, GARBAGE PICKUP SERVICE AND EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES.
26. THE CONTRACTOR SHALL MAINTAIN ONE CROSSWALK IN EACH DIRECTION AT ALL INTERSECTIONS DURING CONSTRUCTION.
27. THE HUNTLEY ROAD AT IL ROUTE 31 INTERSECTION MAY BE UNDER CONSTRUCTION AT THE SAME TIME AS THIS HUNTLEY ROAD PROJECT. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES, EROSION CONTROL, SCHEDULES, TRAFFIC CONTROL, AND STAGING WITH THE CONTRACTORS OF THE ADJACENT PROJECT. ANY TRAFFIC CONTROL MEASURES REQUIRED DUE TO TIMING OR STAGING OF VARIOUS WORK, INCLUDING BUT NOT LIMITED TO CURB AND GUTTER AND SIDEWALK INSTALLATION, SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).

SEQUENCE OF CONSTRUCTION

PRE-STAGE- CONSTRUCTION

1. REMOVE EXISTING MOUNTABLE MEDIANS ALONG HUNTLEY ROAD AND INSTALL TEMPORARY PAVEMENT FROM STA. 311+28.7 TO STA. 320+58.0.
2. EXTEND BOX CULVERT NORTH AT STA. 280+77.
3. INSTALL TEMPORARY CULVERTS.
4. INSTALL TEMPORARY PAVEMENT FROM STA. 268+82.15 LT TO STA. 295+63.24 LT AS SHOWN IN THE PLANS.
5. INSTALL TEMPORARY SIGNAL AT HUNTLEY ROAD AND ELM AVENUE IN ACCORDANCE WITH THE TEMPORARY SIGNAL PLANS.
6. REMOVE TREES AS NECESSARY AND ESTABLISH TREE PROTECTION ON TREES TO REMAIN.
7. ESTABLISH EROSION CONTROL MEASURES

END OF CONSTRUCTION

1. MILL AND RESURFACE HUNTLEY ROAD FROM STATION 261+45.26 TO STATION 272+20.
2. RE-ESTABLISH PERMANENT PAVEMENT MARKING, RAISED REFLECTIVE PAVEMENT MARKERS IN ACCORDANCE WITH DISTRICT 1 DETAILS.
3. UNCOVER ALL PERMANENT SIGNS.
4. COMPLETE PARKWAY RESTORATION AND LANDSCAPING.
5. COMPLETE PUNCH LIST ITEMS.

PRE-STAGE- MAINTENANCE OF TRAFFIC

1. INSTALL ARTERIAL ROAD INFORMATION SIGNING PER DISTRICT 1 DETAIL TC-22 A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF CONSTRUCTION.
2. TWO WAY TRAFFIC SHALL BE MAINTAINED WHILE INSTALLING THE TEMPORARY PAVEMENT IN ACCORDANCE WITH IDOT TRAFFIC CONTROL STANDARD 701326.

STAGE 1- CONSTRUCTION

1. REMOVE EXISTING PAVEMENT
2. INSTALL THE PROPOSED TRUNK SEWER SYSTEM AND CONSTRUCT THE TWO EASTBOUND LANES, COMBINATION B-6.12 CURB AND GUTTER.
3. CONSTRUCT RETAINING WALLS ON THE SOUTH SIDE OF HUNTLEY ROAD.
4. EXTEND THE BOX CULVERTS AT STATIONS 281+00 AND 304+19.
5. WIDEN THE EXISTING PAVEMENT FROM STATION 261+45.26 RT TO STATION 272+20 RT.
6. ESTABLISH EROSION CONTROL MEASURES.

STAGE 1- MAINTENANCE OF TRAFFIC

1. PLACE TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS PER PLAN AND ALIGN TRAFFIC SIGNAL HEADS FOR THE TEMPORARY TRAFFIC SIGNALS AT THE INTERSECTION OF HUNTLEY ROAD AND ELM AVENUE.
2. SHIFT EASTBOUND HUNTLEY TRAFFIC TO THE NORTH SIDE OF HUNTLEY ROAD FROM STATION 268+82 TO STA 317+93 AND MAINTAIN TWO LANES OF TRAFFIC, ONE LANE IN EACH DIRECTION.

STAGE 2- CONSTRUCTION

1. REMOVE EXISTING PAVEMENT AND TEMPORARY PAVEMENT.
2. CONSTRUCT THE TWO WESTBOUND LANES, COMBINATION B-6.12 CURB AND GUTTER, AND STORM SEWER SYSTEM.
3. CONSTRUCT RETAINING WALLS ON THE NORTH SIDE OF HUNTLEY ROAD.
4. WIDEN THE EXISTING PAVEMENT FROM STATION 261+45.26 LT TO STATION 272+20 LT.
5. ESTABLISH EROSION CONTROL MEASURES.

STAGE 2- MAINTENANCE OF TRAFFIC

1. PLACE TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS PER PLAN AND ALIGN TRAFFIC SIGNAL HEADS FOR THE TEMPORARY TRAFFIC SIGNALS AT THE INTERSECTION OF HUNTLEY ROAD AND ELM AVENUE.
2. SHIFT EASTBOUND AND WESTBOUND TRAFFIC TO THE SOUTH SIDE ON THE NEWLY CONSTRUCTED PAVEMENT AS SHOWN IN THE PLANS OR AS DETERMINED BY THE ENGINEER IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF THE IDOT TRAFFIC CONTROL STANDARDS.

STAGE 3- CONSTRUCTION

1. REMOVE EXISTING CENTER PAVEMENT AND CONSTRUCT THE PROPOSED LEFT TURN LANES AND MEDIANS, STORM SEWER LATERALS AND DRAINAGE STRUCTURES.
2. WIDEN HUNTLEY ROAD WEST OF STATION 272+20.
3. COMPLETE THE INSTALLATION OF THE PROPOSED TRAFFIC SIGNAL AT THE INTERSECTION OF HUNTLEY ROAD AND ELM AVENUE.
4. REMOVE THE TEMPORARY SIGNAL AT HUNTLEY ROAD AND ELM AVENUE.

STAGE 3- MAINTENANCE OF TRAFFIC

1. SHIFT EASTBOUND AND WESTBOUND HUNTLEY ROAD TRAFFIC TO THEIR RESPECTIVE NEWLY CONSTRUCTED OUTSIDE LANES.
2. TRAFFIC SHALL BE MAINTAINED FOR THE WIDENING OF HUNTLEY ROAD WEST OF STATION 272+00 IN ACCORDANCE WITH IDOT TRAFFIC CONTROL STANDARDS 701501 AND 701502.

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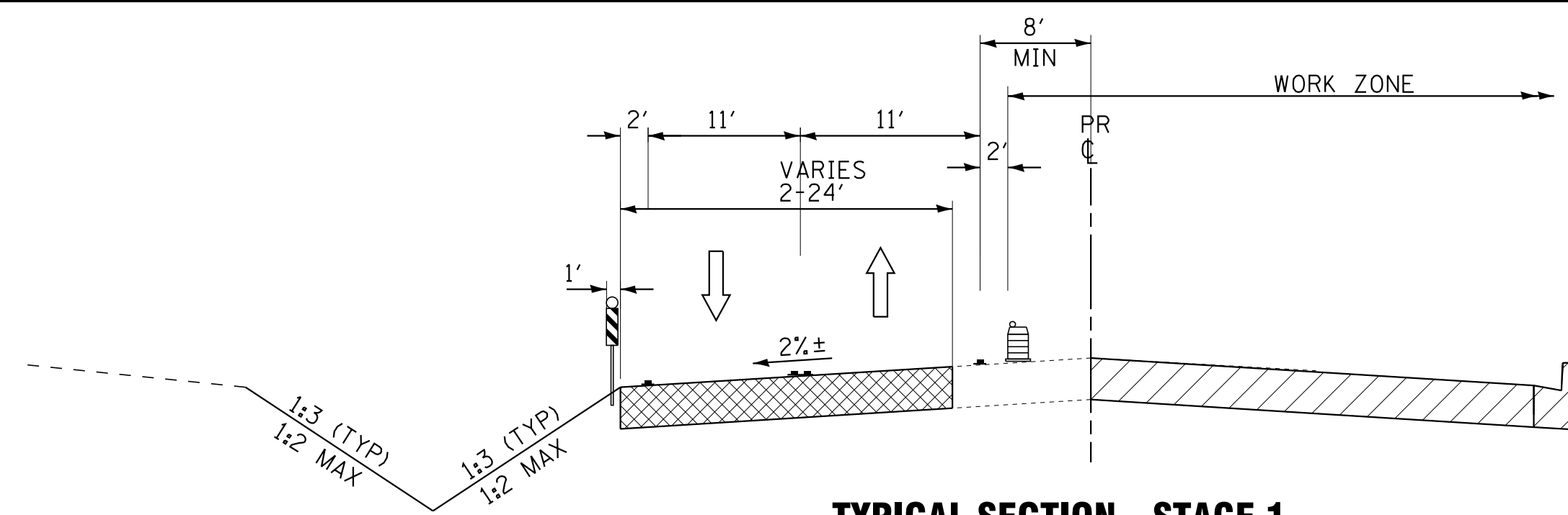
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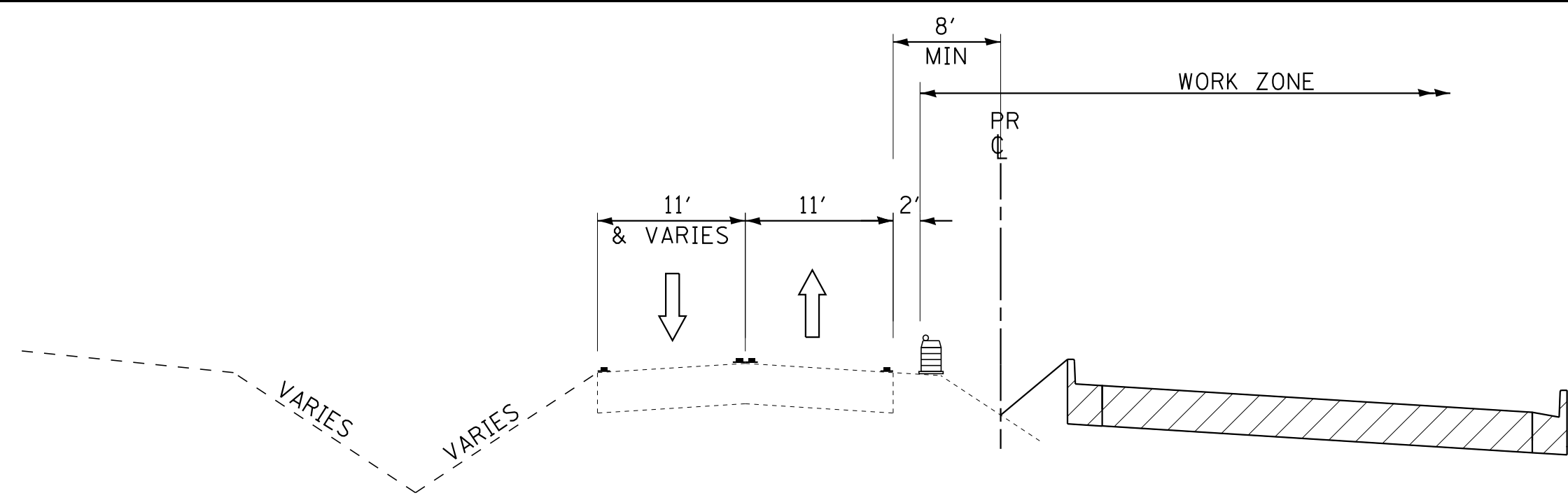
**SUGGESTED MAINTENANCE OF TRAFFIC PLAN
GENERAL NOTES AND SEQUENCE OF CONSTRUCTION**

SCALE: STA. TO STA.

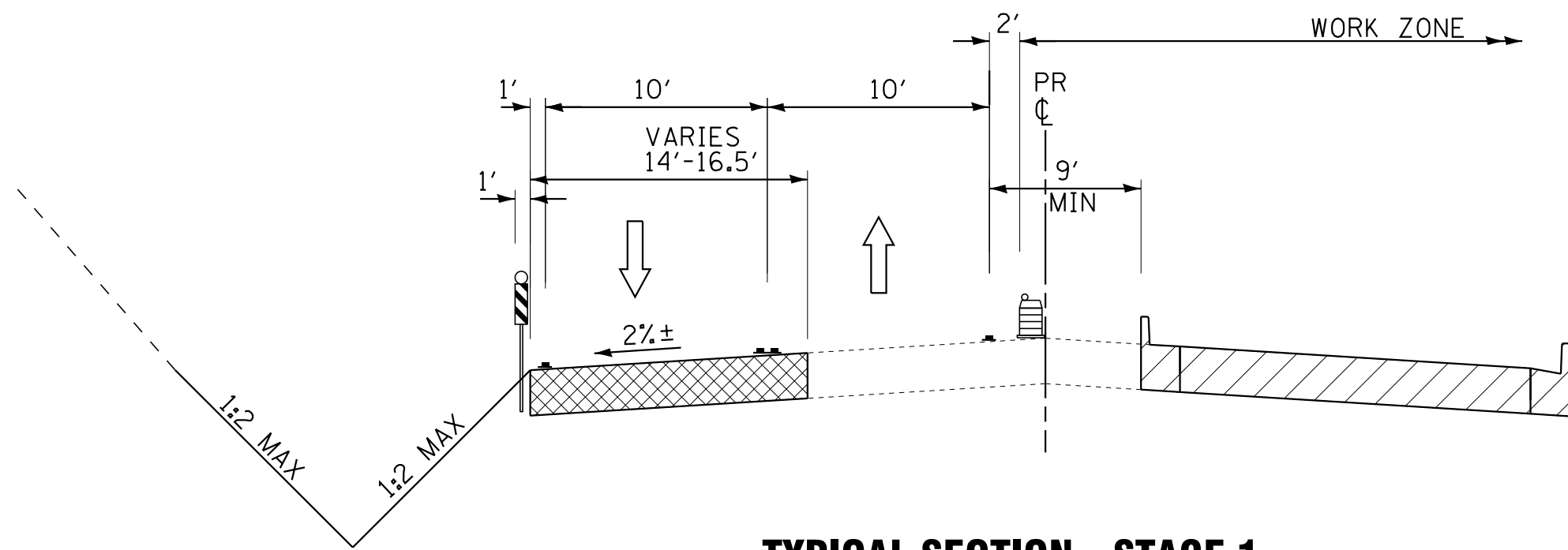
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CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)	



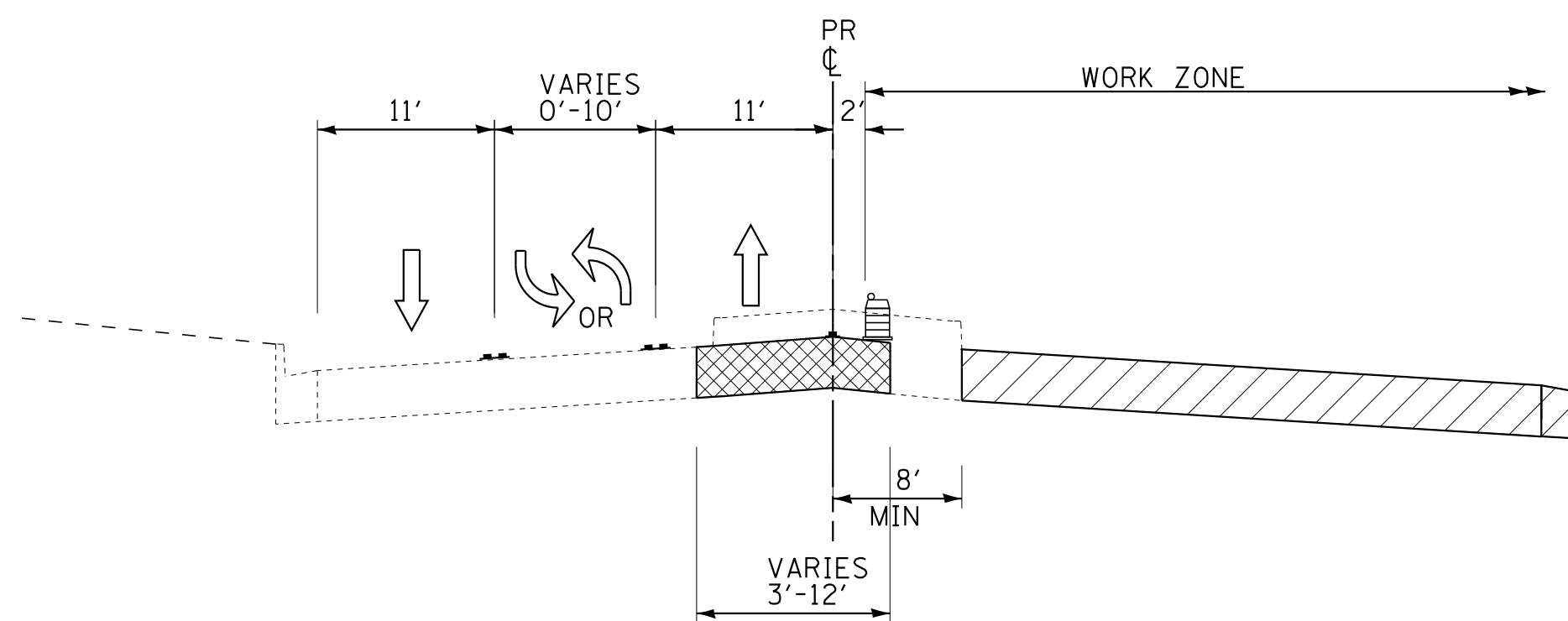
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HUNTLEY ROAD**
STA 268+75 TO STA 283+00



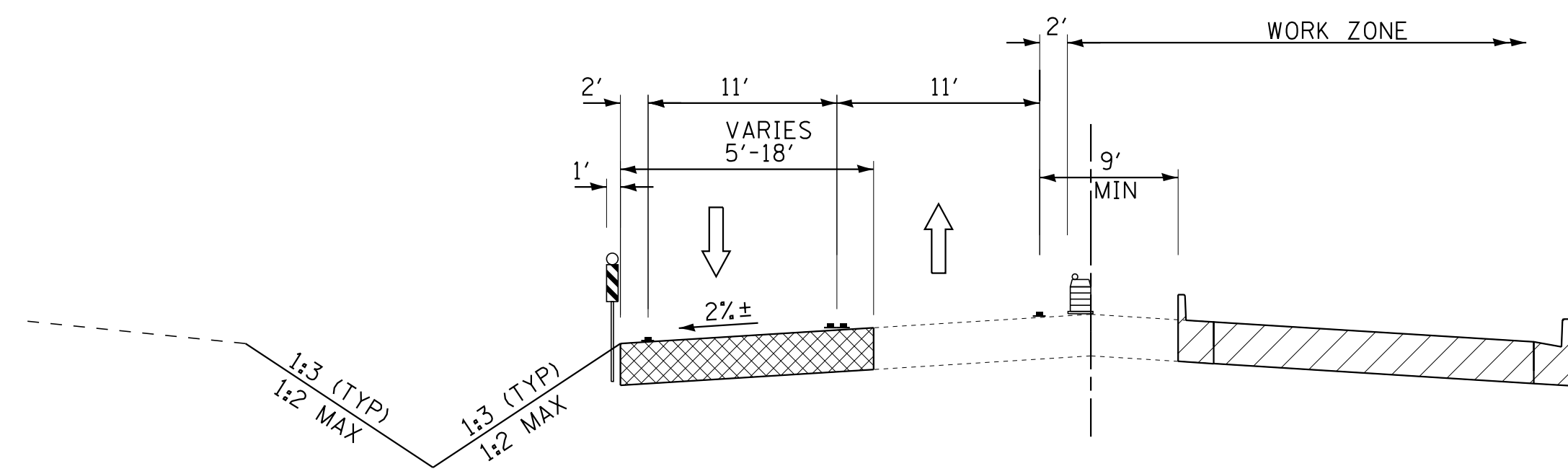
**TYPICAL SECTION - STAGE 1
HUNTLEY ROAD**
STA 296+13 TO STA 312+96



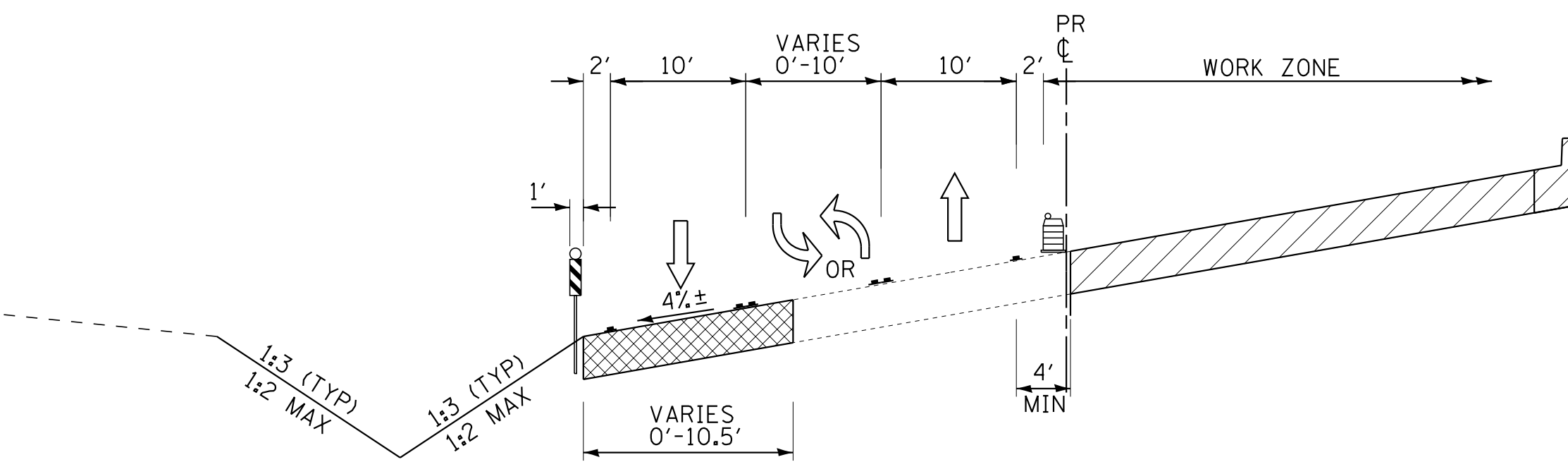
**TYPICAL SECTION - STAGE 1
HUNTLEY ROAD**
STA 283+00 TO STA 284+45



**TYPICAL SECTION - STAGE 1
HUNTLEY ROAD**
STA 312+96 TO STA 318+40



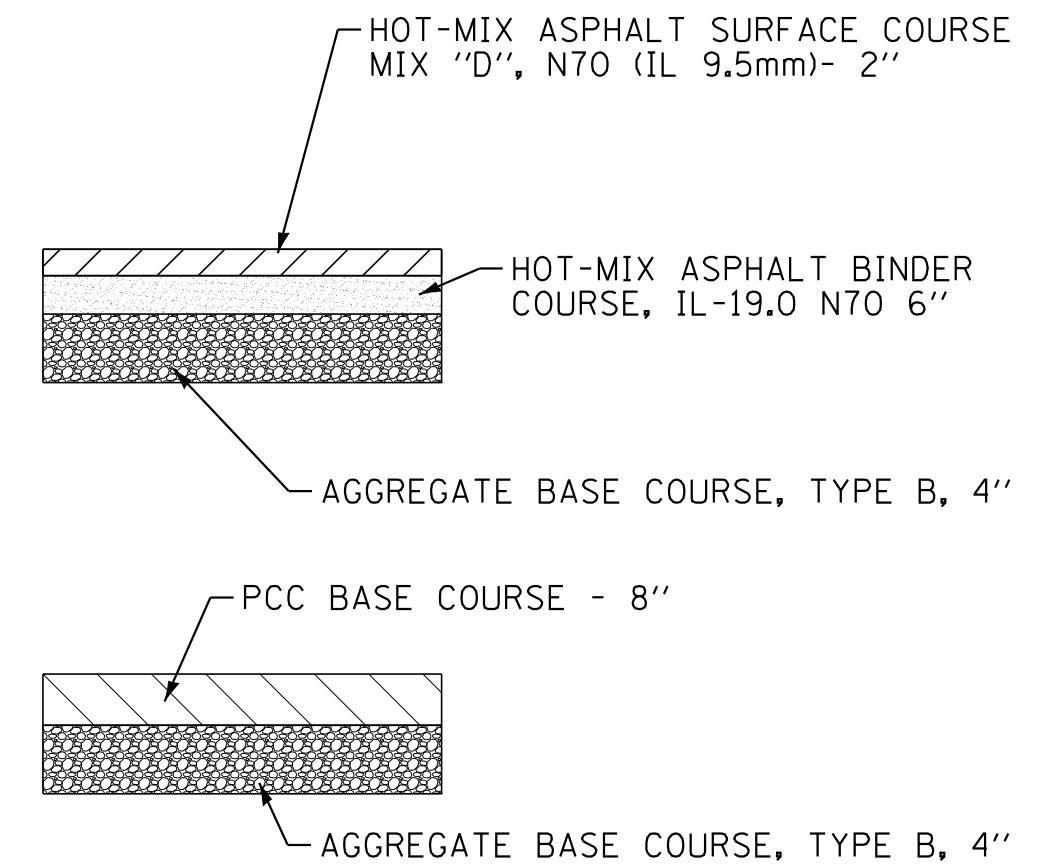
**TYPICAL SECTION - STAGE 1
HUNTLEY ROAD**
STA 284+45 TO STA 291+21



**TYPICAL SECTION - STAGE 1
HUNTLEY ROAD**
STA 291+21 TO STA 296+13

LEGEND

- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL STEADY BURNING LIGHT (50' C-C ON TANGENT, 20' C-C ON TAPERS AND 12' ON RADII)
- DOUBLE VERTICAL PANELS WITH STEADY BURN, BI-DIRECTIONAL LIGHTS (50' C-C ON TANGENT, 25' C-C ON CURVES, 20' C-C ON TAPERS)
- TEMPORARY PAVEMENT MARKINGS
- PROPOSED PAVEMENT
- TEMPORARY PAVEMENT



TEMPORARY PAVEMENT
(CONTRACTOR HAS THE OPTION OF USING HMA OR PCC SECTION FOR TEMPORARY PAVEMENT)

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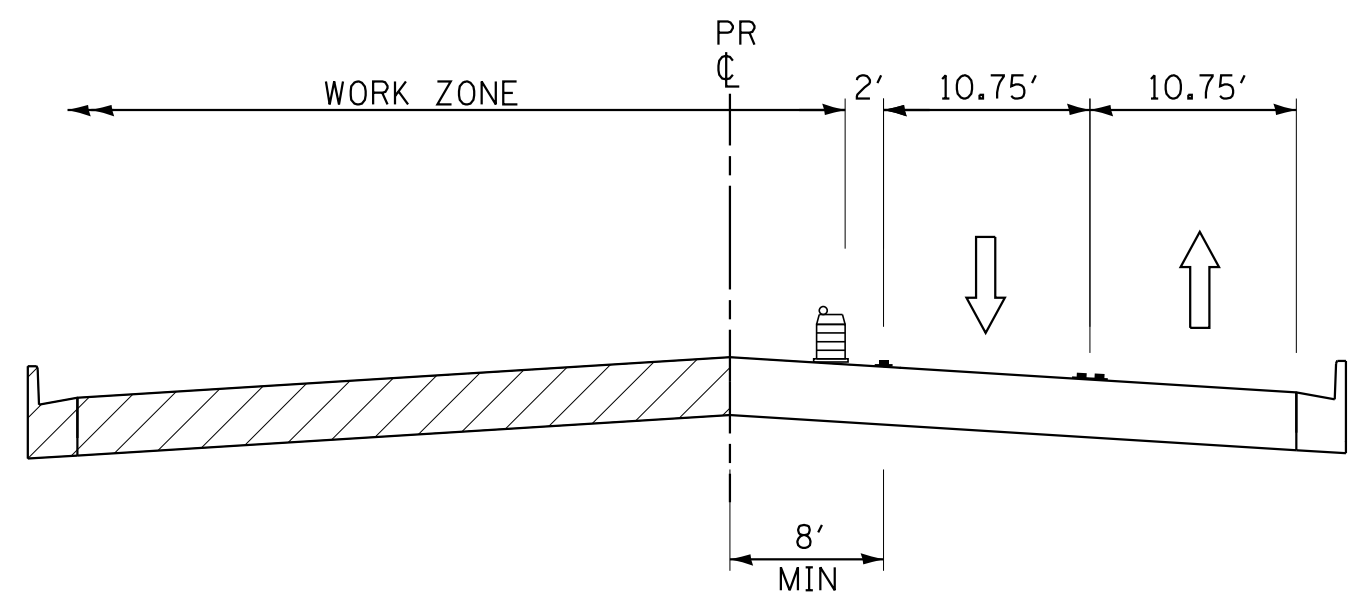
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DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC PLAN
TYPICAL SECTIONS**

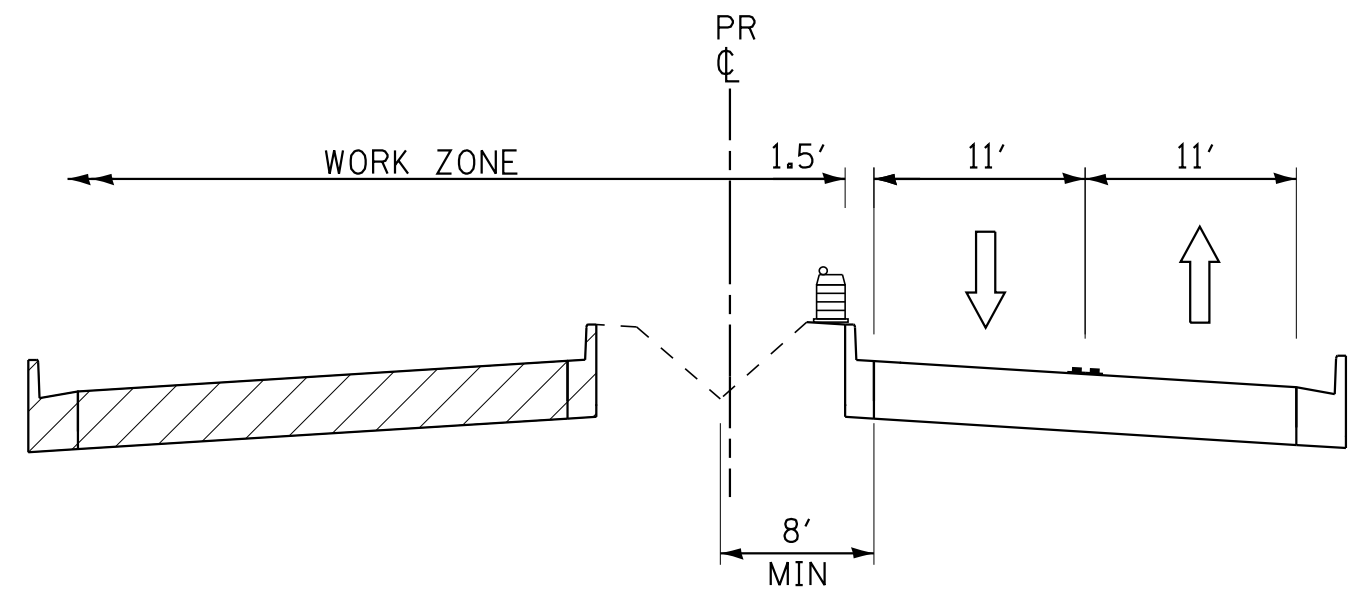
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	49
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



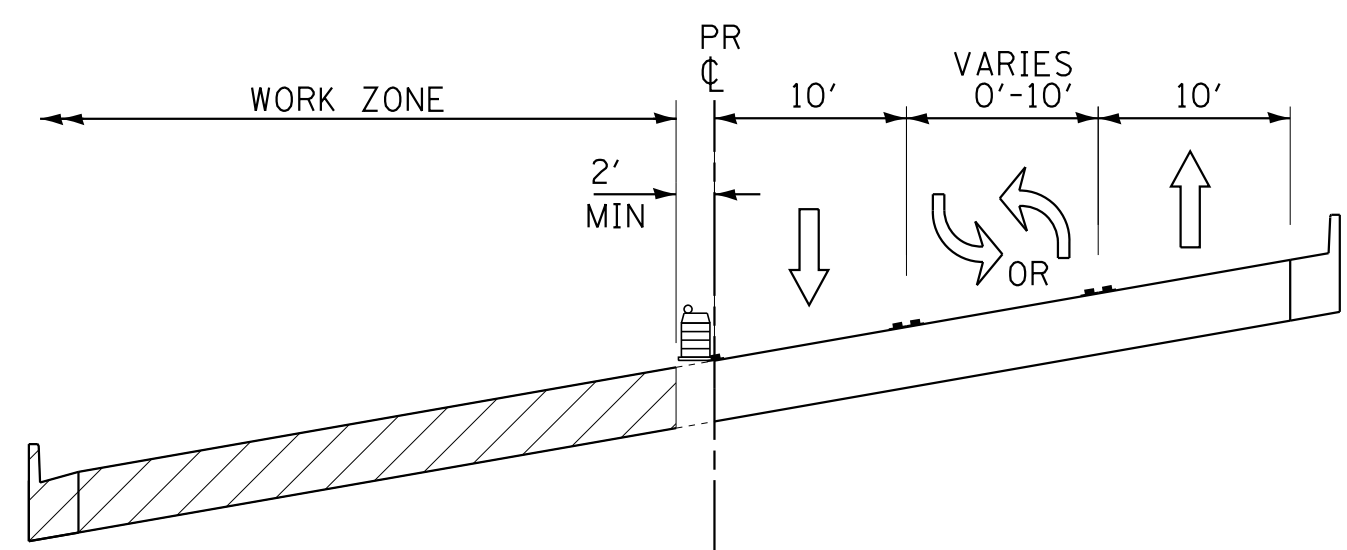
**TYPICAL SECTION - STAGE 2
HUNTLEY ROAD**

STA 269+65 TO STA 283+00



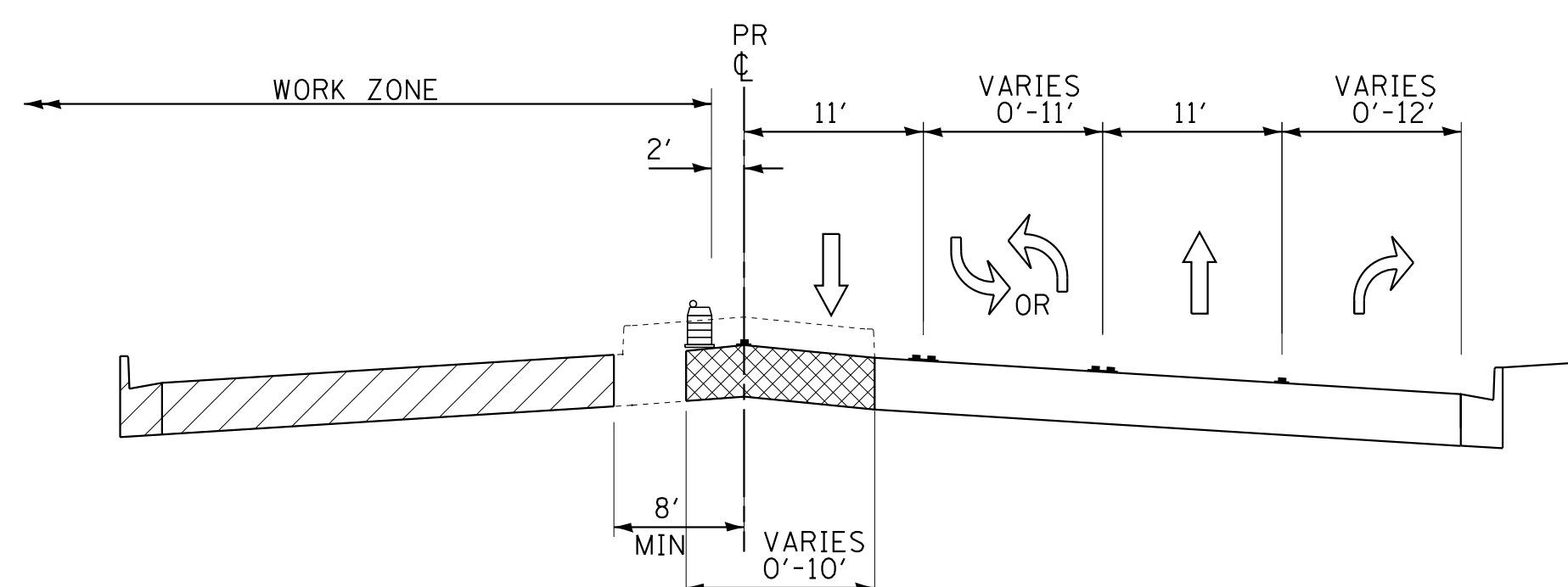
**TYPICAL SECTION - STAGE 2
HUNTLEY ROAD**

STA 283+00 TO STA 290+49
STA 296+89 TO STA 313+36



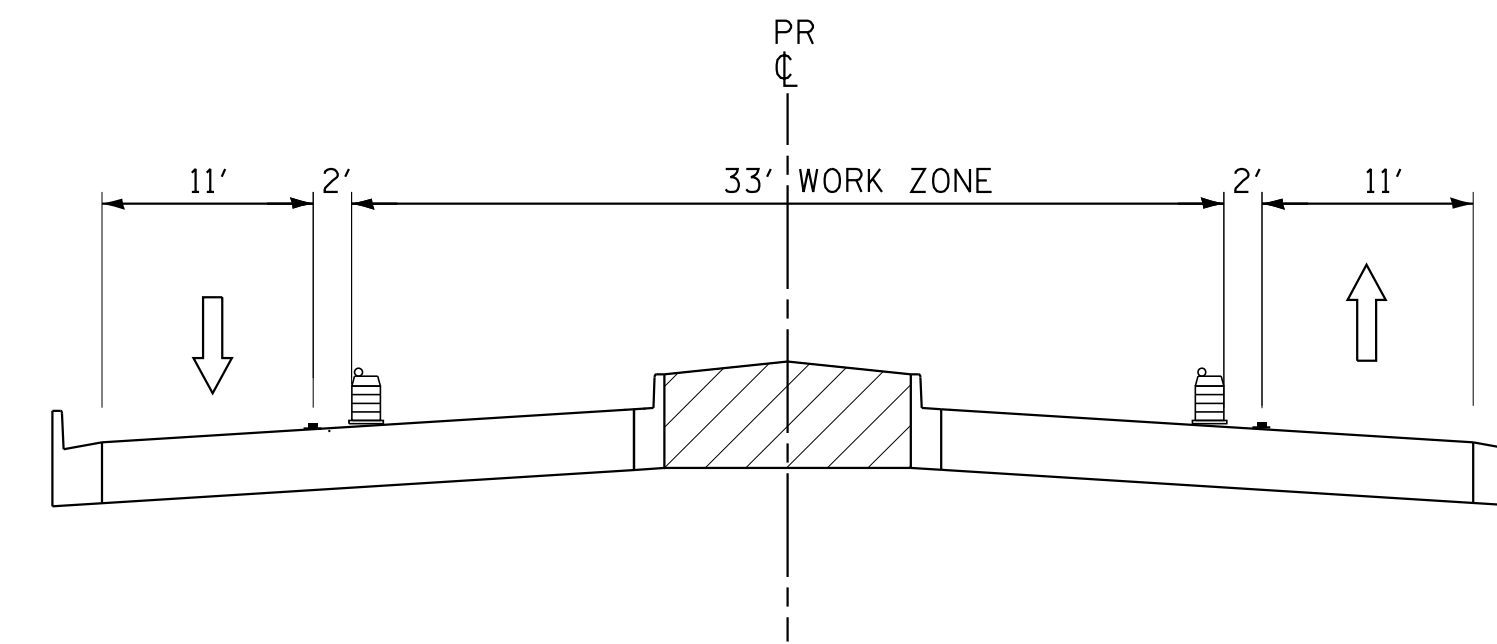
**TYPICAL SECTION - STAGE 2
HUNTLEY ROAD**

STA 290+49 TO STA 296+89



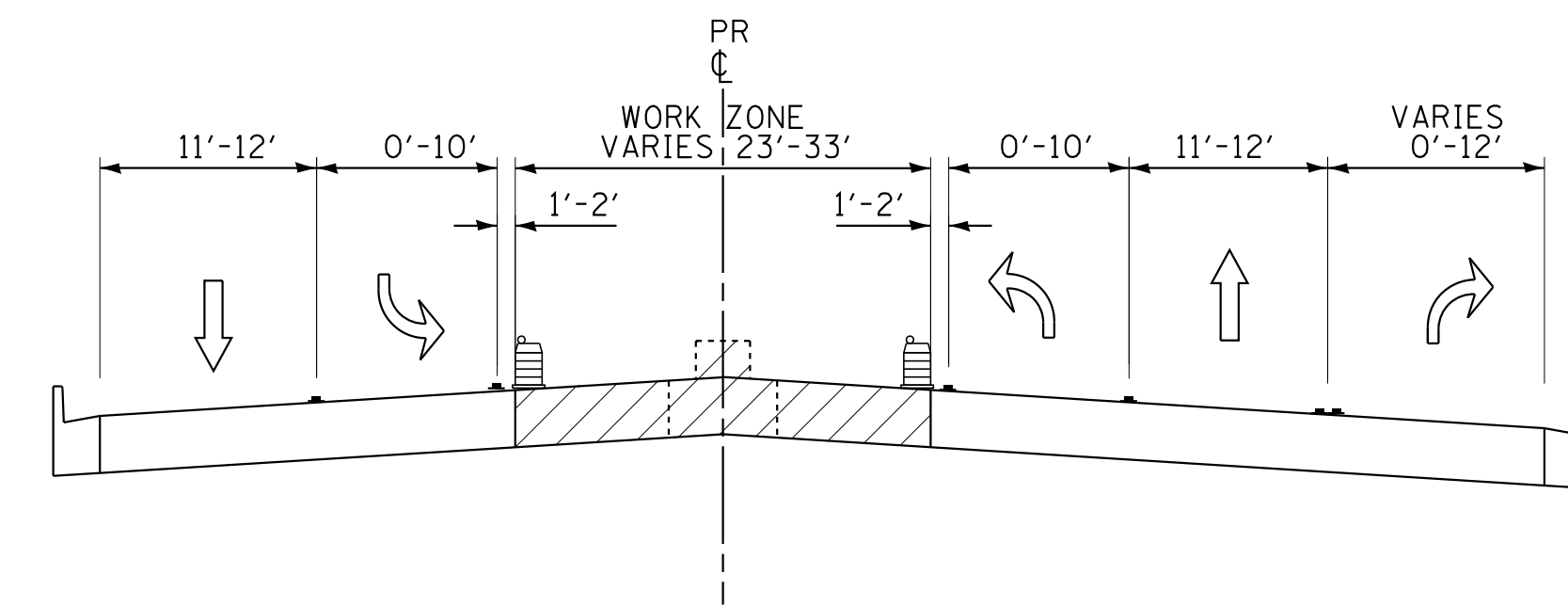
**TYPICAL SECTION - STAGE 2
HUNTLEY ROAD**

STA 313+36 TO STA 318+40



**TYPICAL SECTION - STAGE 3
HUNTLEY ROAD**

STA 280+47 TO STA 291+09
STA 296+37 TO STA 314+81



**TYPICAL SECTION - STAGE 3
HUNTLEY ROAD**

STA 291+09 TO STA 296+37
STA 314+81 TO STA 318+40

LEGEND

	TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL STEADY BURNING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS AND 12' ON RADII
	DOUBLE VERTICAL PANELS WITH STEADY BURN, BI-DIRECTIONAL LIGHTS (50' C-C ON TANGENT, 25' C-C ON CURVES, 20' C-C ON TAPERS)
	TEMPORARY PAVEMENT MARKINGS
	PROPOSED PAVEMENT
	TEMPORARY PAVEMENT

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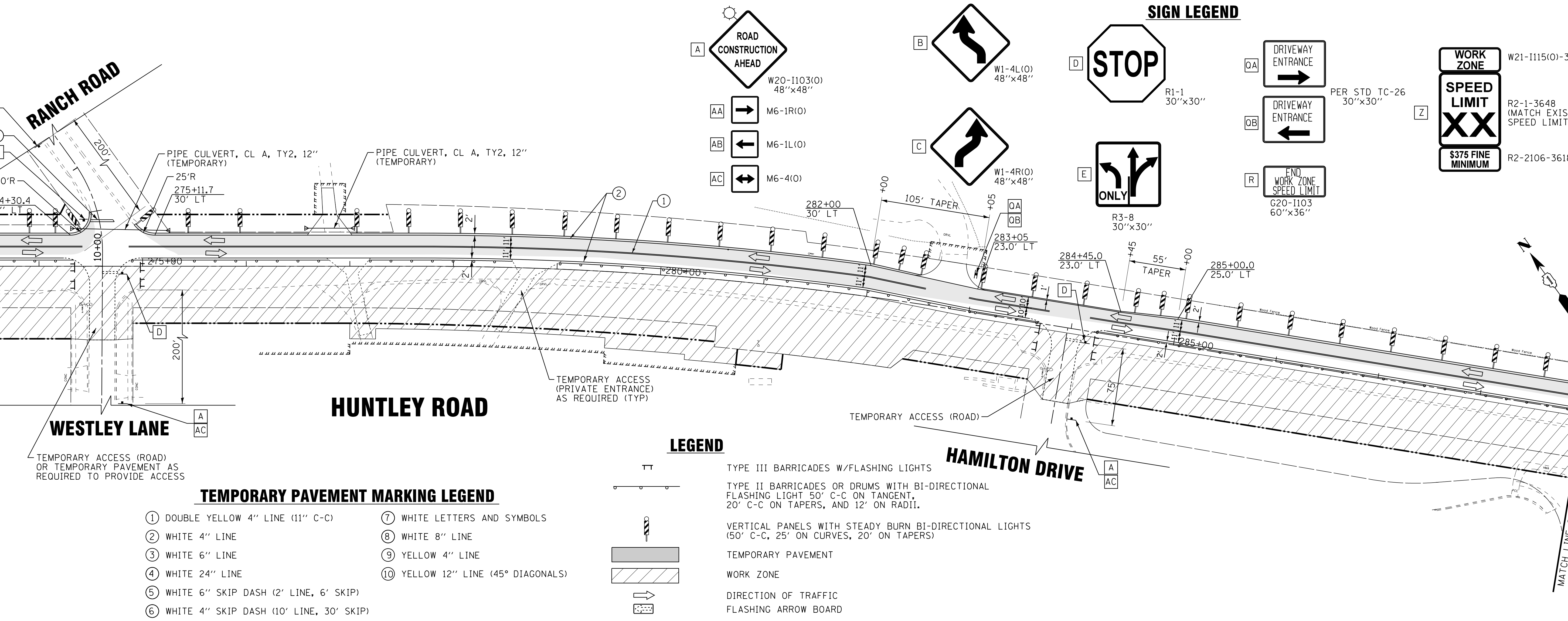
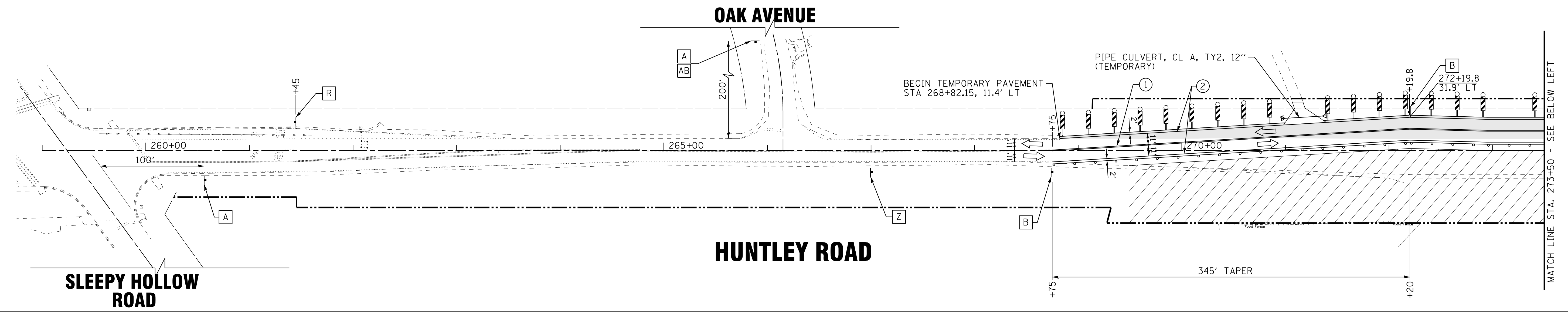
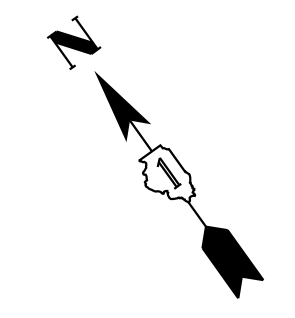
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DRAWN - UKB	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

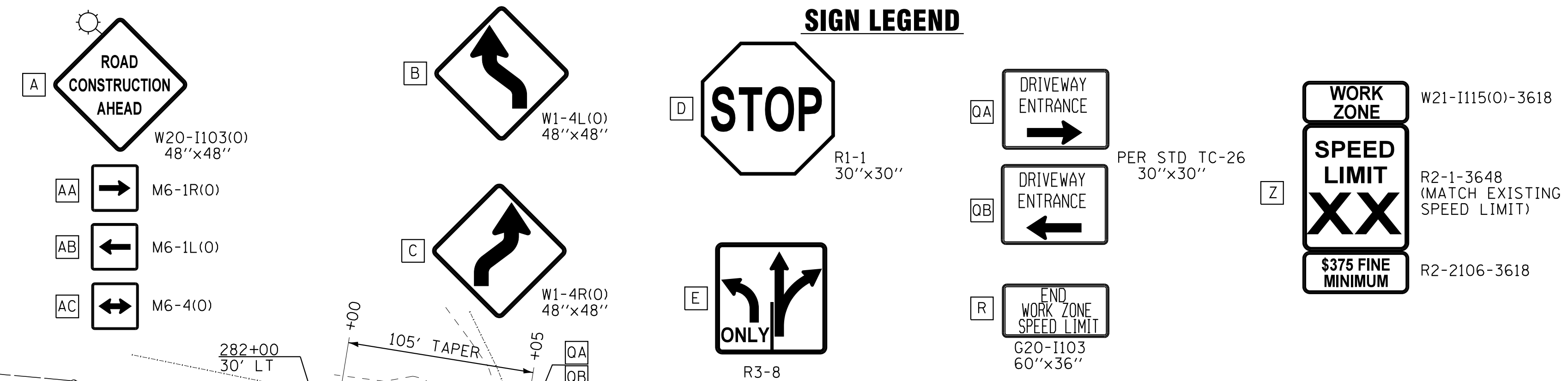
**SUGGESTED MAINTENANCE OF TRAFFIC PLAN
TYPICAL SECTIONS**

SCALE: STA. TO STA.

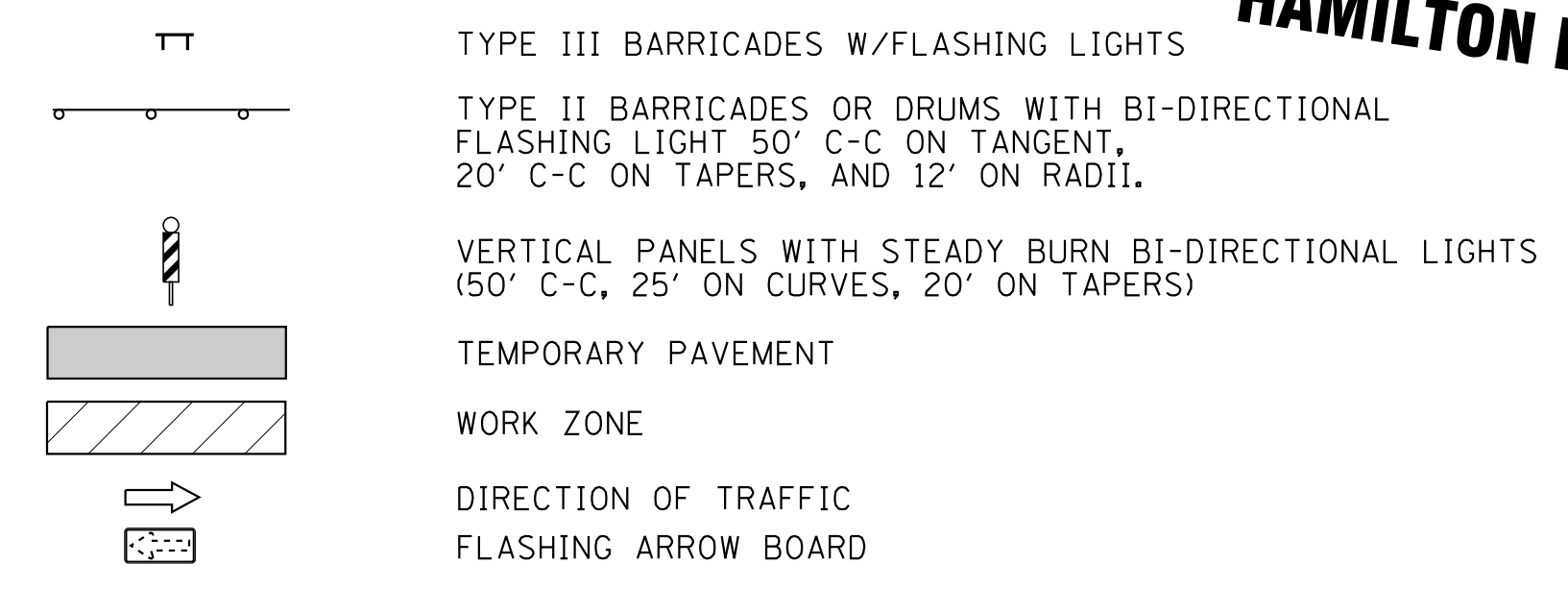
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	50
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	



SIGN LEGEND



LEGEND



TEMPORARY PAVEMENT MARKING LEGEND

- ① DOUBLE YELLOW 4" LINE (11" C-C)
- ② WHITE 4" LINE
- ③ WHITE 6" LINE
- ④ WHITE 24" LINE
- ⑤ WHITE 6" SKIP DASH (2' LINE, 6' SKIP)
- ⑥ WHITE 4" SKIP DASH (10' LINE, 30' SKIP)
- ⑦ WHITE LETTERS AND SYMBOLS
- ⑧ WHITE 8" LINE
- ⑨ YELLOW 4" LINE
- ⑩ YELLOW 12" LINE (45° DIAGONALS)

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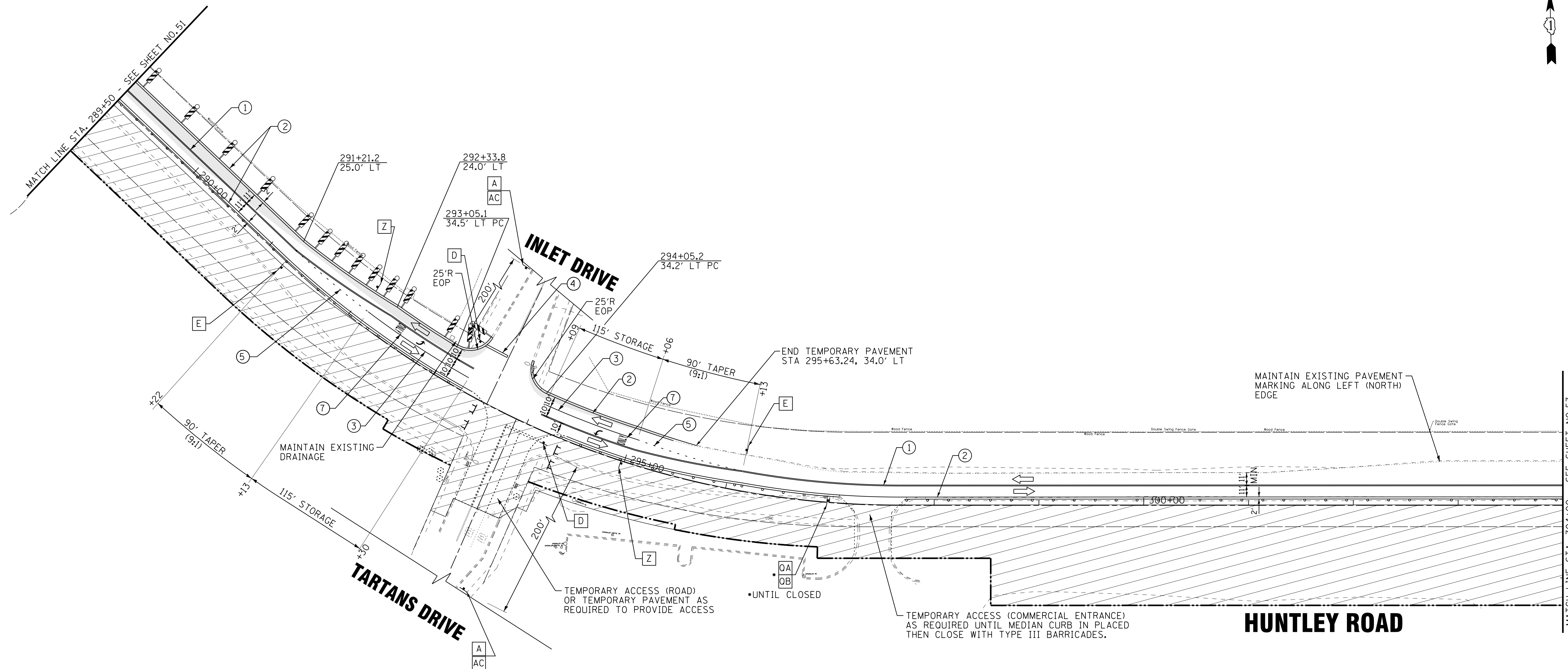
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	DRAWN - UKB	REVISED -
	CHECKED - DTH	REVISED -
	DATE - 10-09-17	FILE - 140879SHT-MOT1-H-STGE1.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC PLAN
HUNTLEY ROAD - STAGE 1**

SCALE: 1"=50' STA. 260+00 TO STA 289+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	51
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)				



TEMPORARY PAVEMENT MARKING LEGEND

- | | |
|---|-----------------------------------|
| ① DOUBLE YELLOW 4" (11" C-C) | ⑦ WHITE LETTERS AND SYMBOLS |
| ② WHITE 4" LINE | ⑧ WHITE 8" LINE |
| ③ WHITE 6" LINE | ⑨ YELLOW 4" LINE |
| ④ WHITE 24" LINE | ⑩ YELLOW 12" LINE (45° DIAGONALS) |
| ⑤ WHITE 6" SKIP DASH (2' LINE, 6' SKIP) | |
| ⑥ WHITE 4" SKIP DASH (10' LINE, 30' SKIP) | |

SIGN LEGEND

W20-1103(O) 48"x48"	W1-4L(O) 48"x48"	R1-1 30"x30"	PER STD TC-26 30"x30"
M6-1R(O)	W1-4R(O) 48"x48"	R3-8 30"x30"	
M6-1L(O)			W21-1115(O)-3618
M6-4(O)			R2-1-3648 (MATCH EXISTING SPEED LIMIT)
			R2-2106-3618

LEGEND

- | | |
|--|---|
| | TYPE III BARRICADES W/FLASHING LIGHTS |
| | TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL FLASHING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS, AND 12' ON RADII. |
| | VERTICAL PANELS WITH STEADY BURN BI-DIRECTIONAL LIGHTS (50' C-C, 25' ON CURVES, 20' ON TAPERS) |
| | TEMPORARY PAVEMENT |
| | WORK ZONE |
| | DIRECTION OF TRAFFIC |
| | FLASHING ARROW BOARD |

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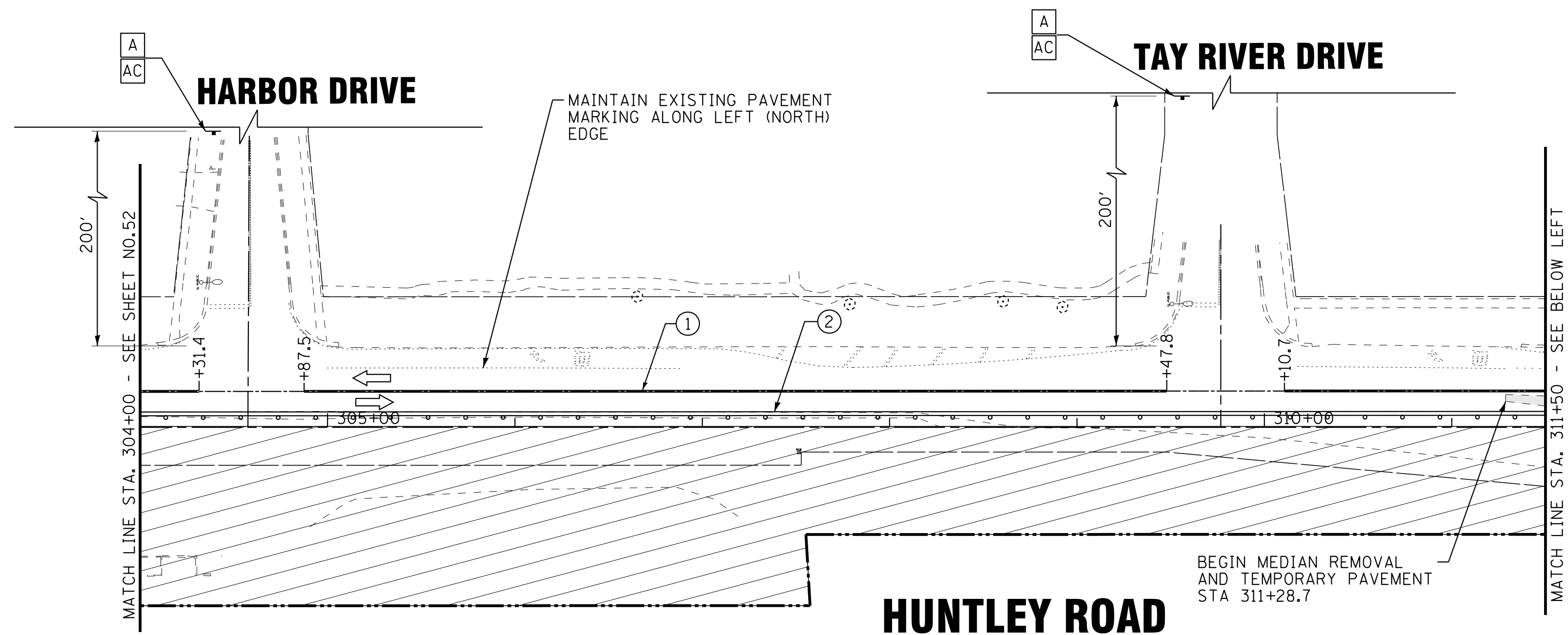
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	CHECKED - DTH	REVISED -
	DATE - 10-09-17	FILE - 140879SHT-MOT1-2-STGE1.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC PLAN
HUNTLEY ROAD - STAGE 1**

SCALE: 1"=50' STA. 289+50 TO STA. 304+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	52
				CONTRACT NO. 61C86
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)				



LEGEND

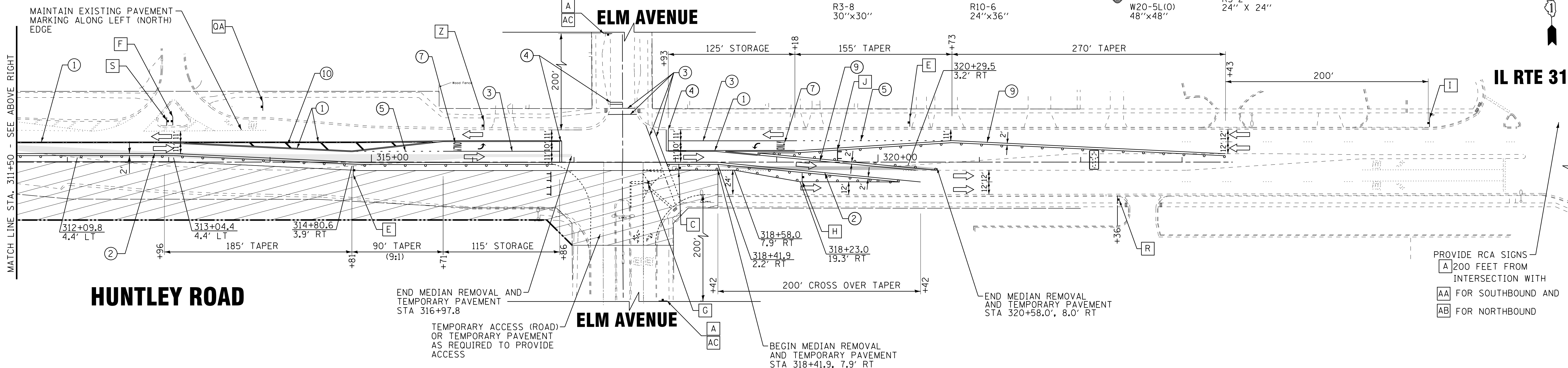
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- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL FLASHING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS, AND 12' ON RADII.
- VERTICAL PANELS WITH STEADY BURN BI-DIRECTIONAL LIGHTS (50' C-C, 25' ON CURVES, 20' ON TAPERS)
- TEMPORARY PAVEMENT
- WORK ZONE
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

- ① DOUBLE YELLOW 4" (11" C-C)
- ② WHITE 4" LINE
- ③ WHITE 6" LINE
- ④ WHITE 24" LINE
- ⑤ WHITE 6" SKIP DASH (2' LINE, 6' SKIP)
- ⑥ WHITE 4" SKIP DASH (10' LINE, 30' SKIP)
- ⑦ WHITE LETTERS AND SYMBOLS
- ⑧ WHITE 8" LINE
- ⑨ YELLOW 4" LINE
- ⑩ YELLOW 12" LINE (45° DIAGONALS)

SIGN LEGEND

- ROAD CONSTRUCTION AHEAD W20-1103(O) 48"x48"
- W1-4L(O) 48"x48"
- STOP R1-1 30"x30"
- W6-3(O) 48"x48"
- W4-3L(O) 48"x48"
- W1-6R(O) 60"x30"
- M6-1R(O)
- M6-1L(O)
- M6-4(O)
- W1-4R(O) 48"x48"
- STOP HERE ON RED R10-6 24"x36"
- STOP HERE ON RED R10-6 24"x36"
- LEFT LANE CLOSED AHEAD W20-5L(O) 48"x48"
- R3-2 24" X 24"
- DRIVEWAY ENTRANCE PER STD TC-26 30"x30"
- DRIVEWAY ENTRANCE
- SPEED LIMIT XX R2-1-3648 (MATCH EXISTING SPEED LIMIT)
- END SPEED LIMIT WORK ZONE R2-2106-3618 G20-1103 60"x36"



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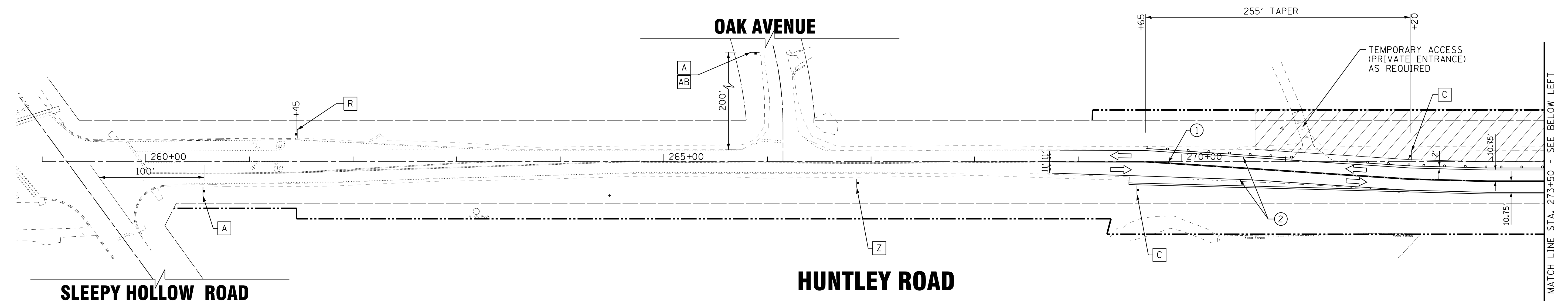
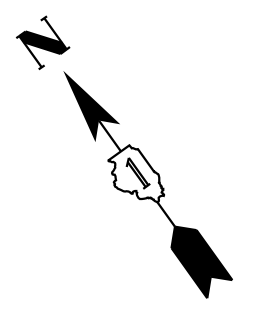
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CHECKED - DTH	REVISED -
DATE - 10-09-17	FILE - 140879SHT-MOT1-3-STGE1.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PLAN
HUNTLEY ROAD - STAGE 1

SCALE: 1"=50' STA. 304+00 TO STA. 320+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	53
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)				



TEMPORARY PAVEMENT MARKING LEGEND

- ① DOUBLE YELLOW 4" (11" C-C)
- ② WHITE 4" LINE
- ③ WHITE 6" LINE
- ④ WHITE 24" LINE
- ⑤ WHITE 6" SKIP DASH (2' LINE, 6' SKIP)
- ⑥ WHITE 4" SKIP DASH (10' LINE, 30' SKIP)
- ⑦ WHITE LETTERS AND SYMBOLS
- ⑧ WHITE 8" LINE
- ⑨ YELLOW 4" LINE
- ⑩ YELLOW 12" LINE (45° DIAGONALS)

SIGN LEGEND

ROAD CONSTRUCTION AHEAD W20-1103(O) 48"x48"

ROAD CURVE W1-4L(O) 48"x48"

STOP R1-1 30"x30"

DRIVEWAY ENTRANCE OA 30"x30"

DRIVEWAY ENTRANCE OB PER STD TC-26 30"x30"

WORK ZONE SPEED LIMIT XX \$375 FINE MINIMUM W21-1115(O)-3618 R2-1-3648 (MATCH EXISTING SPEED LIMIT) R2-2106-3618

ROAD CONSTRUCTION AHEAD A

ROAD CURVE B

STOP D

DRIVEWAY ENTRANCE OA

DRIVEWAY ENTRANCE OB

WORK ZONE SPEED LIMIT XX \$375 FINE MINIMUM Z

ROAD CONSTRUCTION AHEAD AA → M6-1R(O)

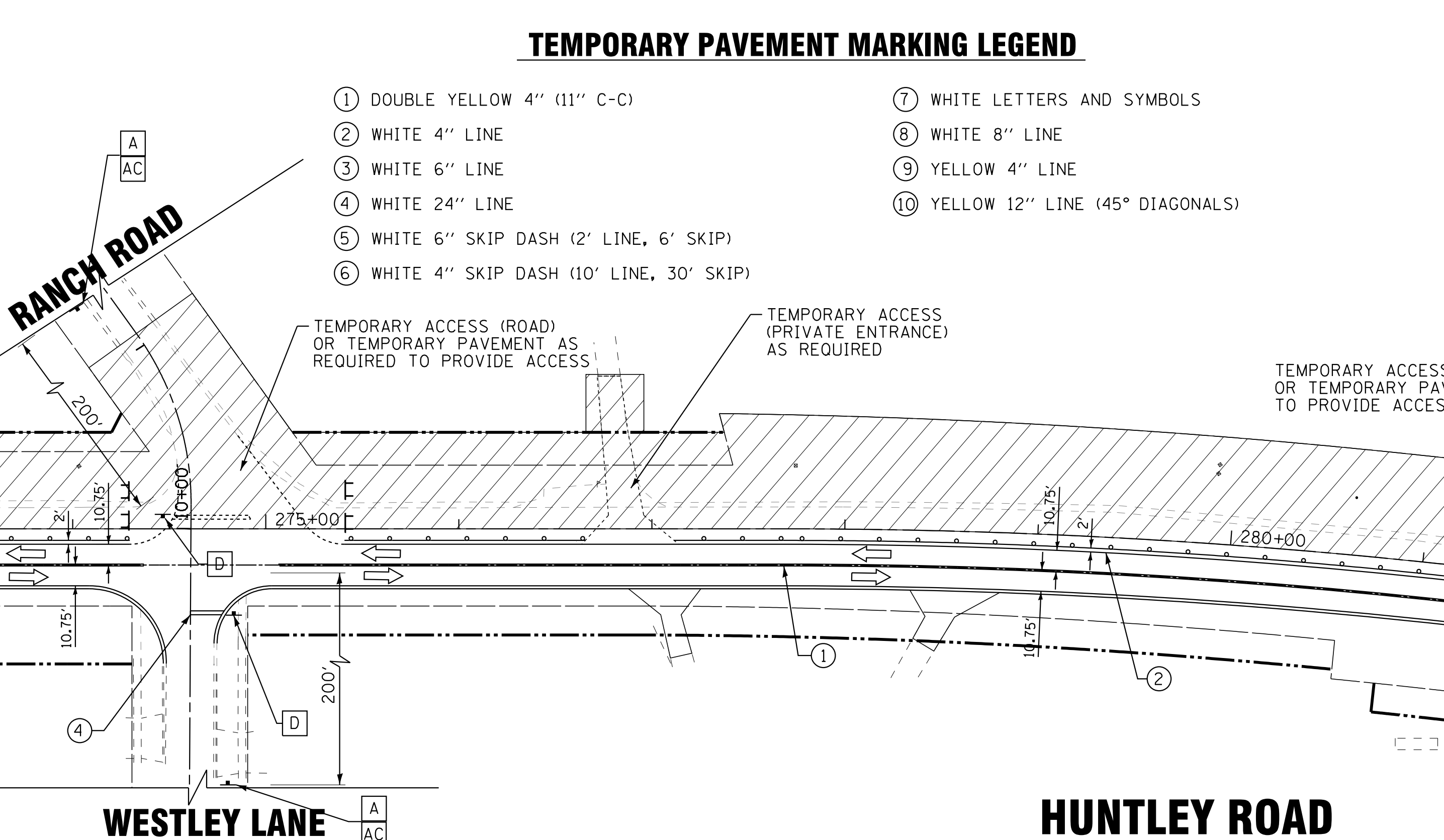
ROAD CONSTRUCTION AHEAD AB ← M6-1L(O)

ROAD CONSTRUCTION AHEAD AC ↔ M6-4(O)

ROAD CURVE C

STOP ONLY E R3-8 30"x30"

DRIVEWAY ENTRANCE R → END WORK ZONE SPEED LIMIT G20-1103 60"x36"



LEGEND

- T TYPE III BARRICADES W/FLASHING LIGHTS
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL FLASHING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS, AND 12' ON RADII.
- VERTICAL PANELS WITH STEADY BURN BI-DIRECTIONAL LIGHTS (50' C-C, 25' ON CURVES, 20' ON TAPERS)
- ▨ TEMPORARY PAVEMENT
- ▨ WORK ZONE
- DIRECTION OF TRAFFIC
- ⬇ FLASHING ARROW BOARD

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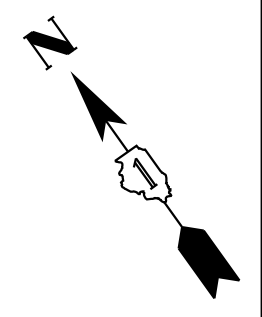
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CHECKED - DTH	REVISED -
DATE - 10-09-17	FILE - 140879SHT-MOT2-1-STGE2.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PLAN
HUNTLEY ROAD - STAGE 2

SCALE: 1"=50' STA. 269+00 TO STA. 289+00

F.A.U. RTE. 1283	SECTION 14-00057-00-WR	COUNTY KANE	TOTAL SHEETS 173	SHEET NO. 54
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)	



MATCH LINE STA. 273+50 - SEE BELOW LEFT

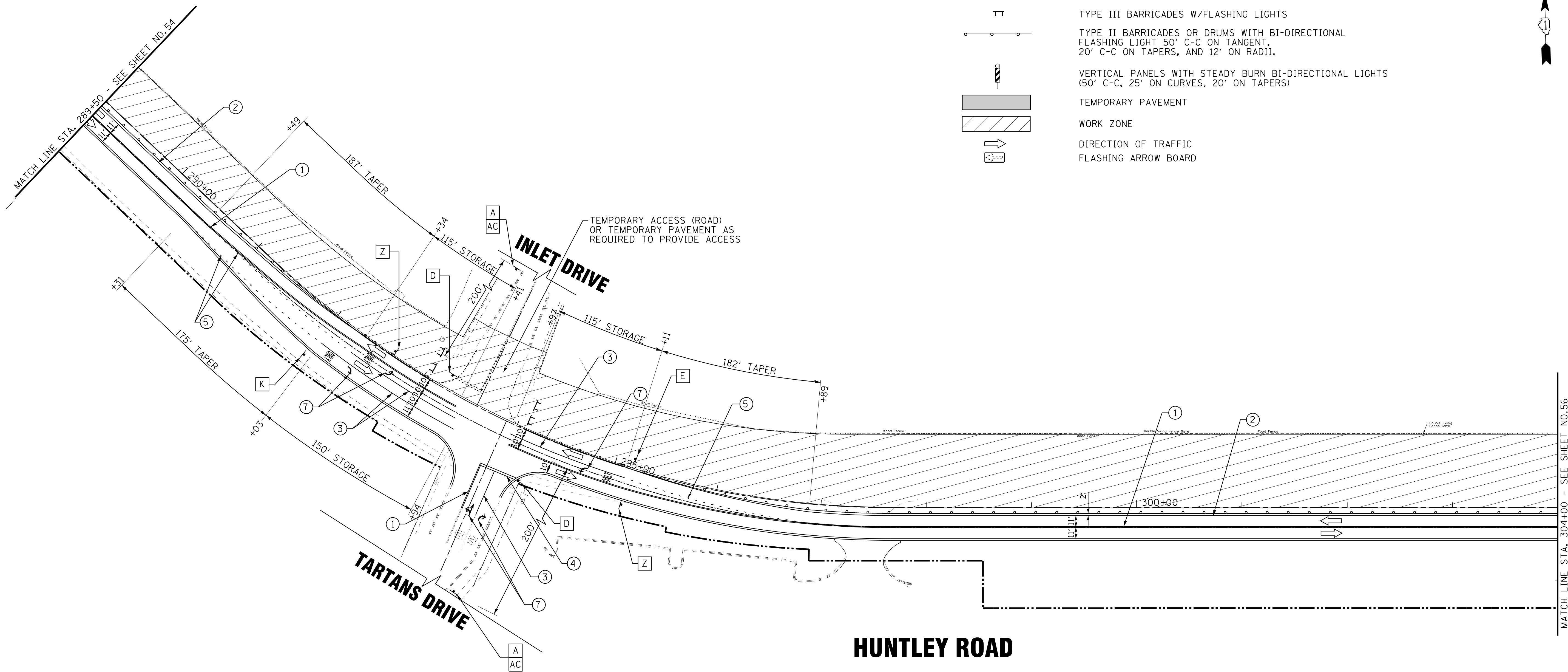
MATCH LINE STA. 273+50 - SEE ABOVE RIGHT

MATCH LINE STA. 289+00 - SEE SHEET NO. 55



LEGEND

- TYPE III BARRICADES W/FLASHING LIGHTS
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL FLASHING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS, AND 12' ON RADII.
- VERTICAL PANELS WITH STEADY BURN BI-DIRECTIONAL LIGHTS (50' C-C, 25' ON CURVES, 20' ON TAPERS)
- TEMPORARY PAVEMENT
- WORK ZONE
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD



TEMPORARY PAVEMENT MARKING LEGEND

- ① DOUBLE YELLOW 4" (11" C-C)
- ② WHITE 4" LINE
- ③ WHITE 6" LINE
- ④ WHITE 24" LINE
- ⑤ WHITE 6" SKIP DASH (2' LINE, 6' SKIP)
- ⑥ WHITE 4" SKIP DASH (10' LINE, 30' SKIP)
- ⑦ WHITE LETTERS AND SYMBOLS
- ⑧ WHITE 8" LINE
- ⑨ YELLOW 4" LINE
- ⑩ YELLOW 12" LINE (45° DIAGONALS)

SIGN LEGEND

- A** ROAD CONSTRUCTION AHEAD W20-1103(O) 48"x48"
- B** W1-4L(O) 48"x48"
- D** STOP R1-1 30"x30"
- F** W6-3(O) 48"x48"
- H** W4-3L(O) 48"x48"
- J** W1-6R(O) 60"x30"
- Z** WORK ZONE W21-1115(O)-3618
SPEED LIMIT XX R2-1-3648 (MATCH EXISTING SPEED LIMIT)
\$375 FINE MINIMUM R2-2106-3618
- AA** M6-1R(O)
- AB** M6-1L(O)
- AC** M6-4(O)
- C** W1-4R(O) 48"x48"
- E** R3-8 30"x30"
- G** STOP HERE ON RED R10-6 24"x36"
- I** LEFT LANE CLOSED AHEAD W20-5L(O) 48"x48"
- K** ONLY ONLY ONLY R3-8b 48"x30"

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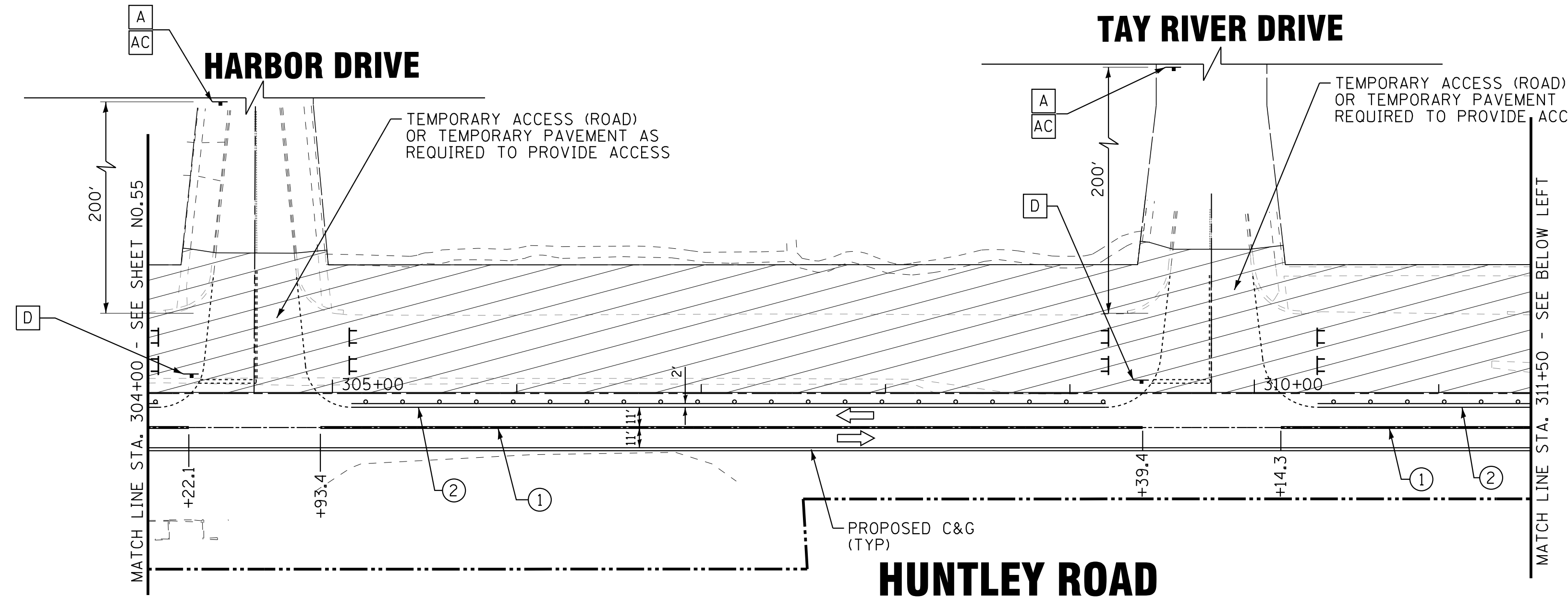
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CHECKED - DTH	REVISED -
DATE - 10-09-17	FILE - 140879SHT-MOT2-2-STGE2.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PLAN HUNTLEY ROAD - STAGE 2

SCALE: 1"=50' STA. 289+50 TO STA. 304+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	55
				CONTRACT NO. 61C86
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)				



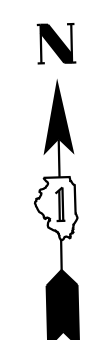
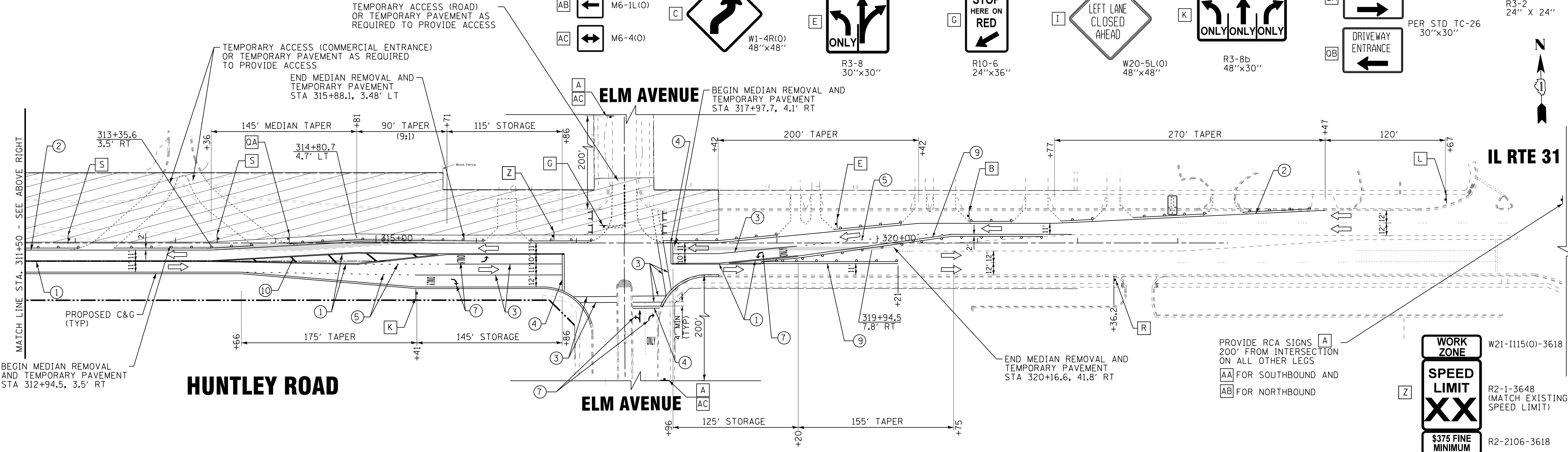
LEGEND

- TYPE III BARRICADES W/FLASHING LIGHTS
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL FLASHING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS, AND 12' ON RADII.
- VERTICAL PANELS WITH STEADY BURN BI-DIRECTIONAL LIGHTS (50' C-C, 25' ON CURVES, 20' ON TAPERS)
- TEMPORARY PAVEMENT
- WORK ZONE
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

- ① DOUBLE YELLOW 4" (11" C-C)
- ② WHITE 4" LINE
- ③ WHITE 6" LINE
- ④ WHITE 24" LINE
- ⑤ WHITE 6" SKIP DASH (2' LINE, 6' SKIP)
- ⑥ WHITE 4" SKIP DASH (10' LINE, 30' SKIP)
- ⑦ WHITE LETTERS AND SYMBOLS
- ⑧ WHITE 8" LINE
- ⑨ YELLOW 4" LINE
- ⑩ YELLOW 12" LINE (45° DIAGONALS)

SIGN LEGEND



WORK ZONE W21-1115(0)-3618

SPEED LIMIT XX R2-1-3648 (MATCH EXISTING SPEED LIMIT)

\$375 FINE MINIMUM R2-2106-3618

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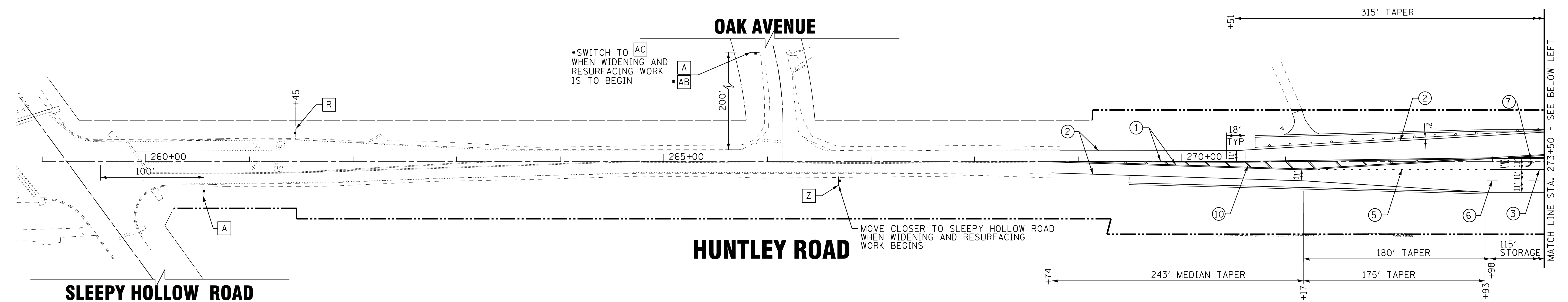
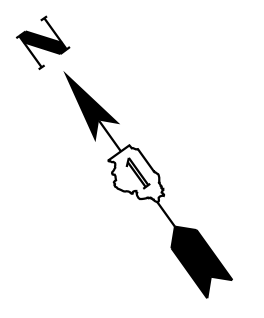
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DEPARTMENT OF TRANSPORTATION

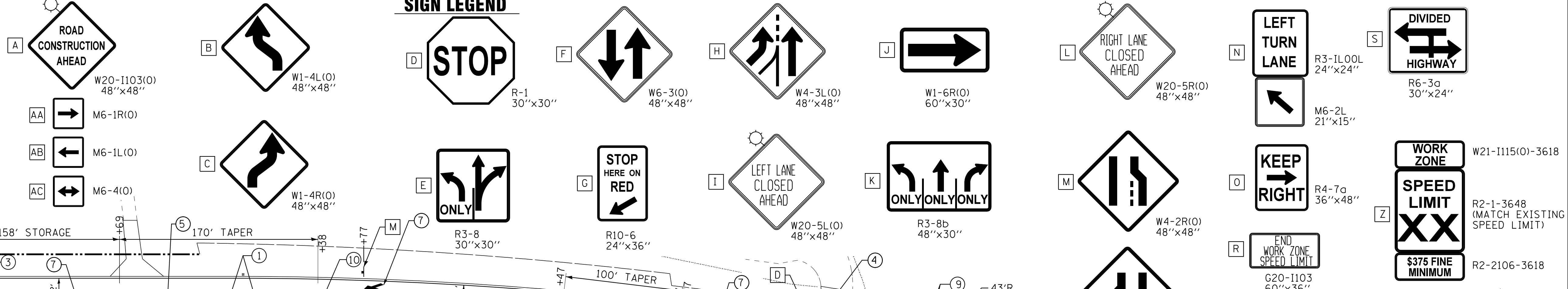
SUGGESTED MAINTENANCE OF TRAFFIC PLAN
HUNTLEY ROAD - STAGE 2

SCALE: 1"=50' STA. 304+00 TO STA. 320+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	56
				CONTRACT NO. 61C86
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)				



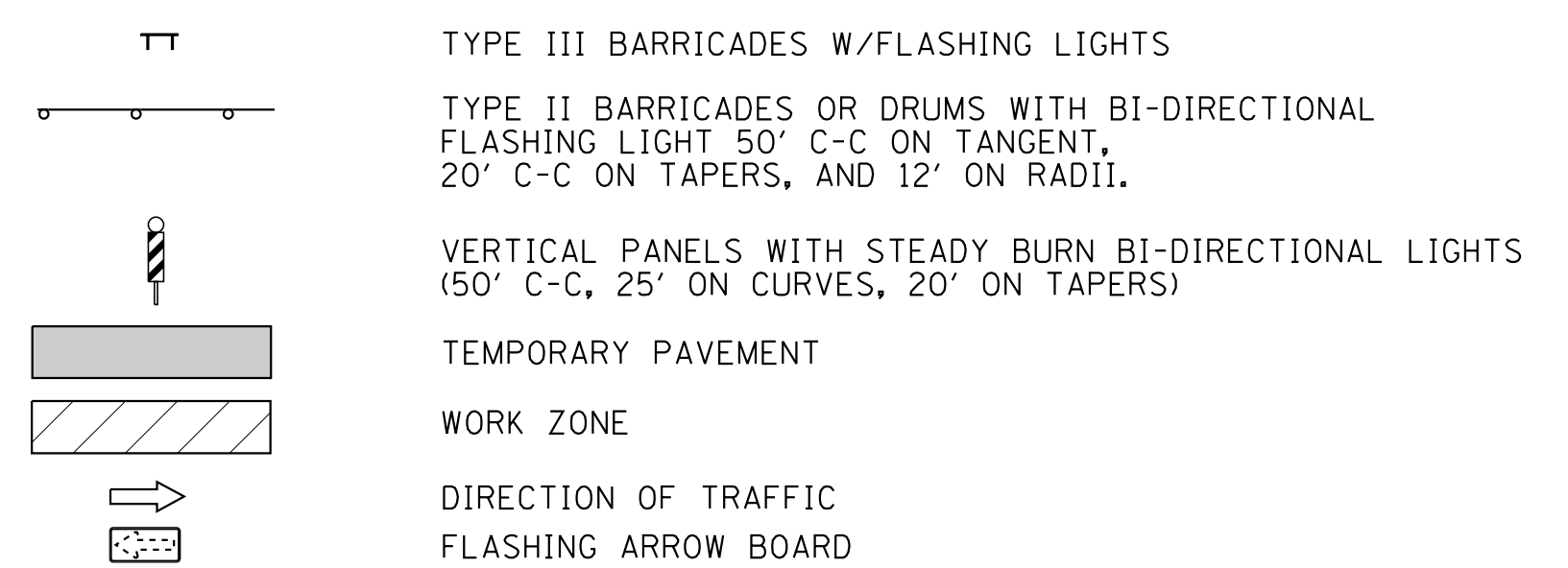
SIGN LEGEND



TEMPORARY PAVEMENT MARKING LEGEND

- ① DOUBLE YELLOW 4" (11" C-C)
- ② WHITE 4" LINE
- ③ WHITE 6" LINE
- ④ WHITE 24" LINE
- ⑤ WHITE 6" SKIP DASH (2' LINE, 6' SKIP)
- ⑥ WHITE 4" SKIP DASH (10' LINE, 30' SKIP)
- ⑦ WHITE LETTERS AND SYMBOLS
- ⑧ WHITE 8" LINE
- ⑨ YELLOW 4" LINE
- ⑩ YELLOW 12" LINE (45° DIAGONALS)

HUNTLEY ROAD LEGEND



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PLAN
HUNTLEY ROAD - STAGE 3

SCALE: 1"=50' STA. 269+00 TO STA. 289+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	57
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)				

MATCH LINE STA. 273+50 - SEE BELOW LEFT

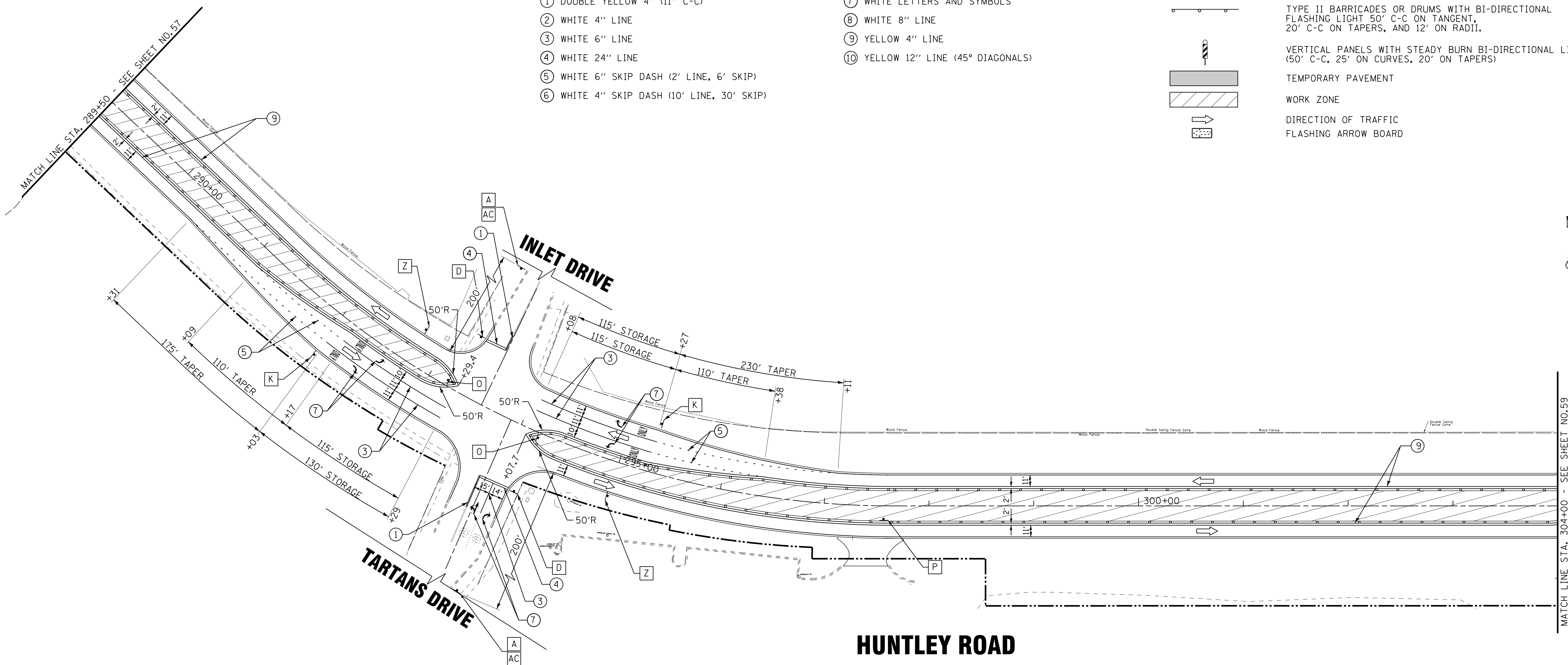
MATCH LINE STA. 289+00 - SEE SHEET NO. 58

TEMPORARY PAVEMENT MARKING LEGEND

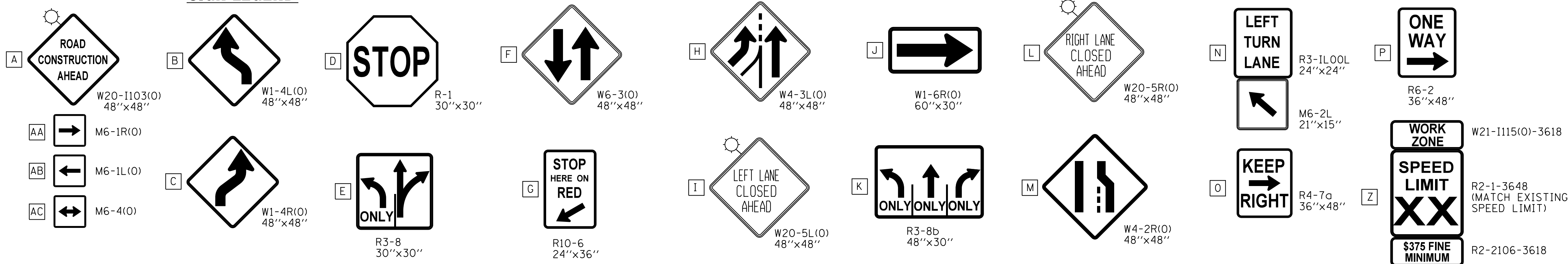
- ① DOUBLE YELLOW 4" (11" C-C)
- ② WHITE 4" LINE
- ③ WHITE 6" LINE
- ④ WHITE 24" LINE
- ⑤ WHITE 6" SKIP DASH (2' LINE, 6' SKIP)
- ⑥ WHITE 4" SKIP DASH (10' LINE, 30' SKIP)
- ⑦ WHITE LETTERS AND SYMBOLS
- ⑧ WHITE 8" LINE
- ⑨ YELLOW 4" LINE
- ⑩ YELLOW 12" LINE (45° DIAGONALS)

LEGEND

- TYPE III BARRICADES W/FLASHING LIGHTS
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL FLASHING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS, AND 12' ON RADII.
- VERTICAL PANELS WITH STEADY BURN BI-DIRECTIONAL LIGHTS (50' C-C, 25' ON CURVES, 20' ON TAPERS)
- TEMPORARY PAVEMENT
- WORK ZONE
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD



SIGN LEGEND



BAXTER & WOODMAN
CONSULTANTS ENGINEERS ARCHITECTS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PLAN
HUNTLEY ROAD - STAGE 3

SCALE: 1"=50' STA. 289+50 TO STA. 304+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	58
				CONTRACT NO. 61C86
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)				

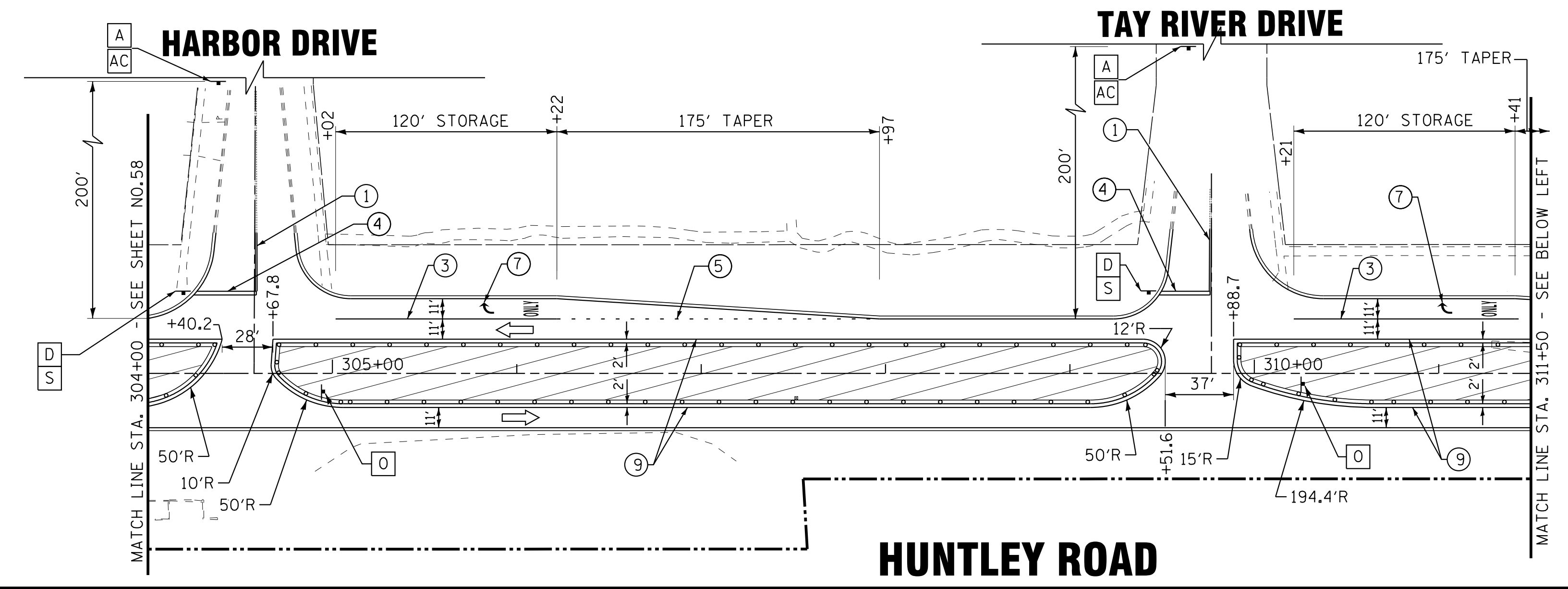
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TEMPORARY PAVEMENT MARKING LEGEND

- ① DOUBLE YELLOW 4" (11" C-C)
- ② WHITE 4" LINE
- ③ WHITE 6" LINE
- ④ WHITE 24" LINE
- ⑤ WHITE 6" SKIP DASH (2' LINE, 6' SKIP)
- ⑥ WHITE 4" SKIP DASH (10' LINE, 30' SKIP)
- ⑦ WHITE LETTERS AND SYMBOLS
- ⑧ WHITE 8" LINE
- ⑨ YELLOW 4" LINE
- ⑩ YELLOW 12" LINE (45° DIAGONALS)

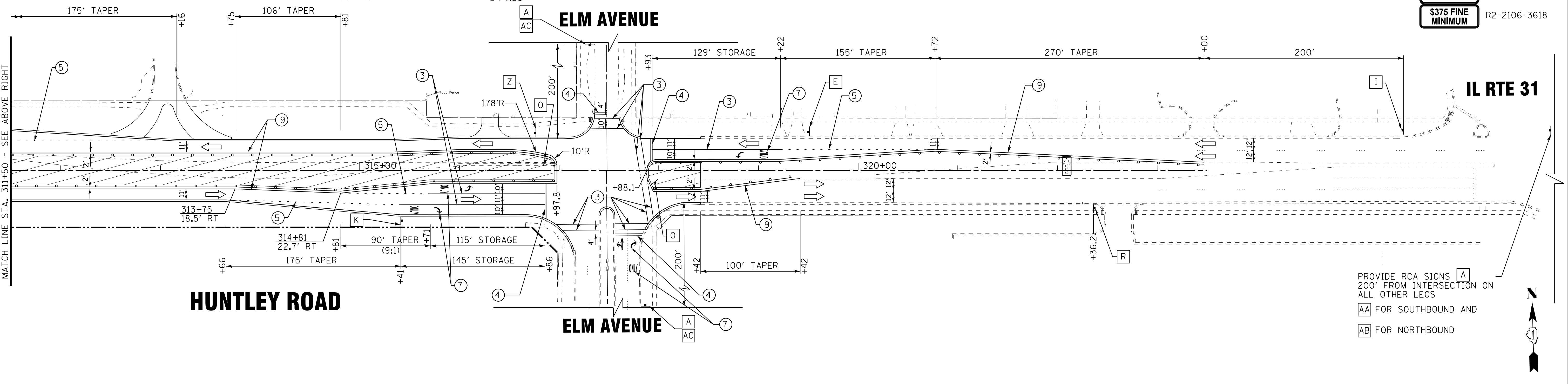
LEGEND

- T TYPE III BARRICADES W/FLASHING LIGHTS
- II TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL FLASHING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS, AND 12' ON RADII.
- VP VERTICAL PANELS WITH STEADY BURN BI-DIRECTIONAL LIGHTS (50' C-C, 25' ON CURVES, 20' ON TAPERS)
- TP TEMPORARY PAVEMENT
- WZ WORK ZONE
- DT DIRECTION OF TRAFFIC
- FA FLASHING ARROW BOARD



SIGN LEGEND

A ROAD CONSTRUCTION AHEAD W20-1103(O) 48"x48"	B [Right Turn Arrow Sign] W1-4L(O) 48"x48"	D STOP R1-1 30"x30"	F [Two-Way Traffic Sign] W6-3(O) 48"x48"	H [Right Lane Closed Ahead Sign] W4-3L(O) 48"x48"	J [Right Turn Arrow Sign] W1-6R(O) 60"x30"	L RIGHT LANE CLOSED AHEAD W20-5R(O) 48"x48"	N LEFT TURN LANE R3-1L00L 24"x24"	P ONE WAY R6-2 36"x48"	R END WORK ZONE SPEED LIMIT G20-1103 60"x36"	S DIVIDED HIGHWAY R6-3a 30"x24"
AA [Right Turn Arrow Sign] M6-1R(O)	AB [Left Turn Arrow Sign] M6-1L(O)	E [Left Turn Only Sign] R3-8 30"x30"	G STOP HERE ON RED R10-6 24"x36"	I LEFT LANE CLOSED AHEAD W20-5L(O) 48"x48"	K ONLY ONLY ONLY R3-8b 48"x30"	M [Lane Closure Sign] W4-2R(O) 48"x48"	O KEEP RIGHT R4-7a 36"x48"	OA DRIVEWAY ENTRANCE PER STD TC-26 30"x30"	OB DRIVEWAY ENTRANCE	Z WORK ZONE SPEED LIMIT \$375 FINE MINIMUM W21-1115(O)-3618 R2-1-3648 (MATCH EXISTING SPEED LIMIT) R2-2106-3618



PROVIDE RCA SIGNS **A** 200' FROM INTERSECTION ON ALL OTHER LEGS
AA FOR SOUTHBOUND AND
AB FOR NORTHBOUND

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BAXTER & WOODMAN CONSULTANTS, INC. ENGINEERS	DESIGNED - DSH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC PLAN HUNTLEY ROAD - STAGE 3	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - UKB	REVISED -			1283	14-00057-00-WR	KANE	173	59
CHECKED - DTH	REVISED -				CONTRACT NO. 61C86				
DATE - 10-09-17	FILE - 140879SHT-MOT3-3-STGE3.dgn				FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)				

TEMPORARY EROSION CONTROL NOTES:

1. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS DISTURBED ON THE SITE.
2. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, THEN SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED DURING CONSTRUCTION. LOCATION OF STOCKPILES TO BE APPROVED BY THE ENGINEER.
3. STORM SEWER INLETS SHALL BE PROTECTED WITH SEDIMENT TRAPPING OR FILTER CONTROL DEVICES DURING CONSTRUCTION.
4. THE QUANTITIES SHOWN FOR ALL EROSION CONTROL MEASURES INCLUDE THE INSTALLATION, MAINTENANCE, AND REMOVAL OF THE MEASURE.
5. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES IN SERVICEABLE CONDITION AT ALL TIMES. EROSION CONTROL MEASURES WILL BE INSPECTED ON A WEEKLY BASIS AND WITHIN 24 HOURS OF ANY STORM EXCEEDING 0.5 INCHES OF PRECIPITATION. DURING THE WINTER MONTHS, EROSION CONTROL MEASURES WILL ALSO BE INSPECTED AFTER SIGNIFICANT SNOW MELT EVENTS.
6. ALL CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT FOR THIS PROJECT.
7. AS WORK PROGRESSES, ALL SLOPES 1:3 OR GREATER SHALL RECEIVE TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET IMMEDIATELY. ALL FLATTER AREAS THAT DO NOT HAVE A COVER OF VEGETATION, AND WHERE NO FURTHER WORK IS TO OCCUR FOR 14 DAYS OR MORE, SHALL BE TEMPORARILY SEEDED WITHIN ONE (1) CALENDAR DAY UNLESS OTHERWISE DIRECTED BY THE ENGINEER. A SUFFICIENT QUANTITY OF TEMPORARY EROSION CONTROL SEEDING IS INCLUDED TO COVER THE LIMITS OF PERMANENT LANDSCAPING.
8. TEMPORARY DITCH CHECKS SHALL BE PLACED IMMEDIATELY AFTER DITCH GRADING (OR CLEANING AND REGRADING) IS COMPLETED.
9. ALL PROPOSED OPEN LID DRAINAGE STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE ENGINEER WITH INLET FILTERS, AND THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "INLET FILTERS".
10. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
11. ANY SOIL, MUD, OR DEBRIS WASHED, TRACKED, OR DEPOSITED ONTO THE STREET SHALL BE REMOVED PRIOR TO THE END OF THE WORK DAY.
12. SILT FENCE IS NOT REQUIRED WHERE THE PERIMETER IS HIGHER THAN THE WORK ZONE, AND SILT FENCE SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW, OR ACROSS CONTOURS WITHOUT J-HOOKS (HIGHWAY STANDARD 280001). IN AREAS OF CONCENTRATED FLOW, TEMPORARY DITCH CHECKS ARE A SUITABLE ALTERNATIVE PERIMETER EROSION BARRIER IN PLACE OF THE SILT FENCE.
13. PORTABLE TOILETS SHALL BE PLACED AWAY FROM INLETS AND WATER COURSES.
14. RECEPTACLES FOR CONSTRUCTION DEBRIS INCLUDING CONCRETE TRUCK WASHOUT WASTE, SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR. RECEPTACLES AND THEIR LOCATIONS MUST BE APPROVED BY THE ENGINEER AND HAVE PROPER EROSION CONTROL MEASURES. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE APPLICABLE ITEMS OF WORK.
15. CLEANING OF VEHICLES AND EQUIPMENT, INCLUDING CONCRETE MIXERS, SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNT OF POLLUTANTS TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT PRACTICAL.
16. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUNOFF. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
17. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED.
18. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES – MAINTENANCE GUIDE. (<http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control>).
19. THE CONTRACTOR SHOULD PROVIDE TO THE ENGINEER A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF STABILIZED FLOW LINE BETWEEN THE INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.
20. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.
21. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
22. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER.

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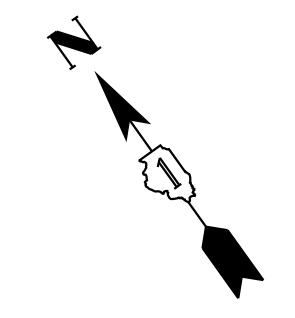
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	CHECKED - DTH	REVISED -
	DATE - 10-09-17	FILE - 140879SHT-ErosGntes.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY EROSION CONTROL NOTES

SCALE: _____ STA. _____ TO STA. _____

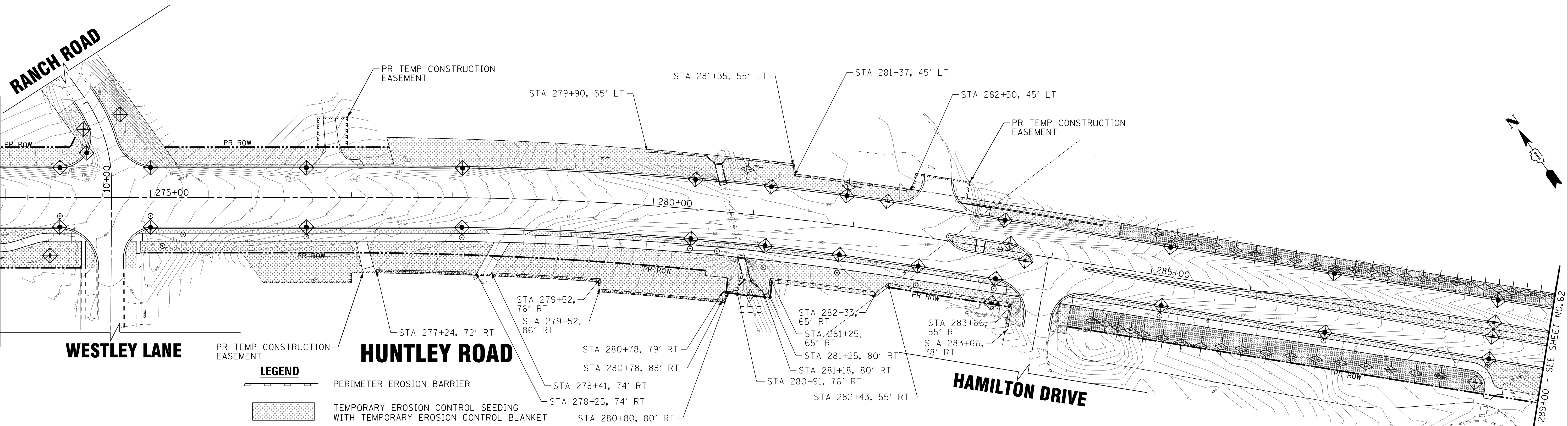
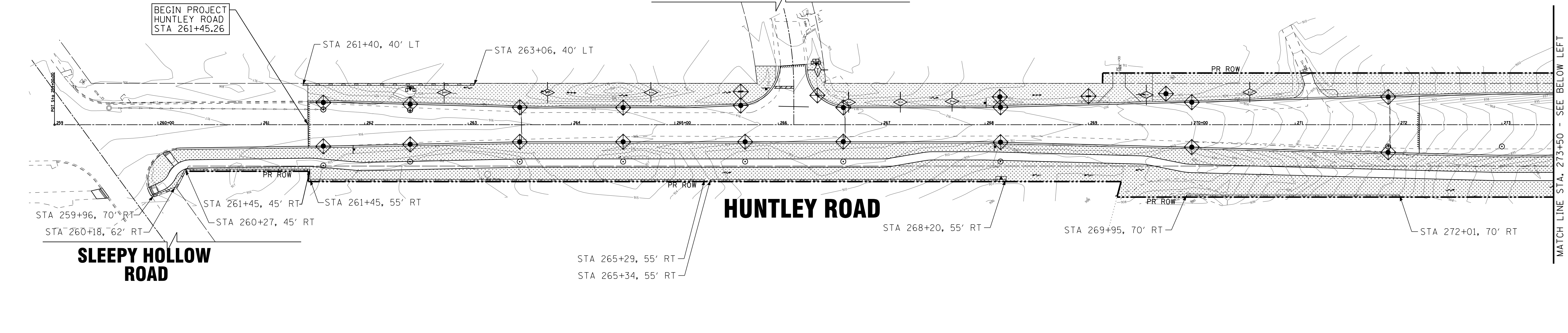
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	60
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



OAK AVENUE

HUNTLEY ROAD

SLEEPY HOLLOW ROAD



LEGEND	
	PERIMETER EROSION BARRIER
	TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKET
	TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET
	INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
	INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
	TEMPORARY DITCH CHECKS
	INLET AND PIPE PROTECTION

SCHEDULE	
PERIMETER EROSION BARRIER	2,161 LF
INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)	57 EA
TEMPORARY DITCH CHECKS	54 LF
INLET AND PIPE PROTECTION	2 EA

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN HUNTLEY ROAD

SCALE: 1"=50'

STA. 260+00 TO STA. 289+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	61
				CONTRACT NO. 61C86
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				

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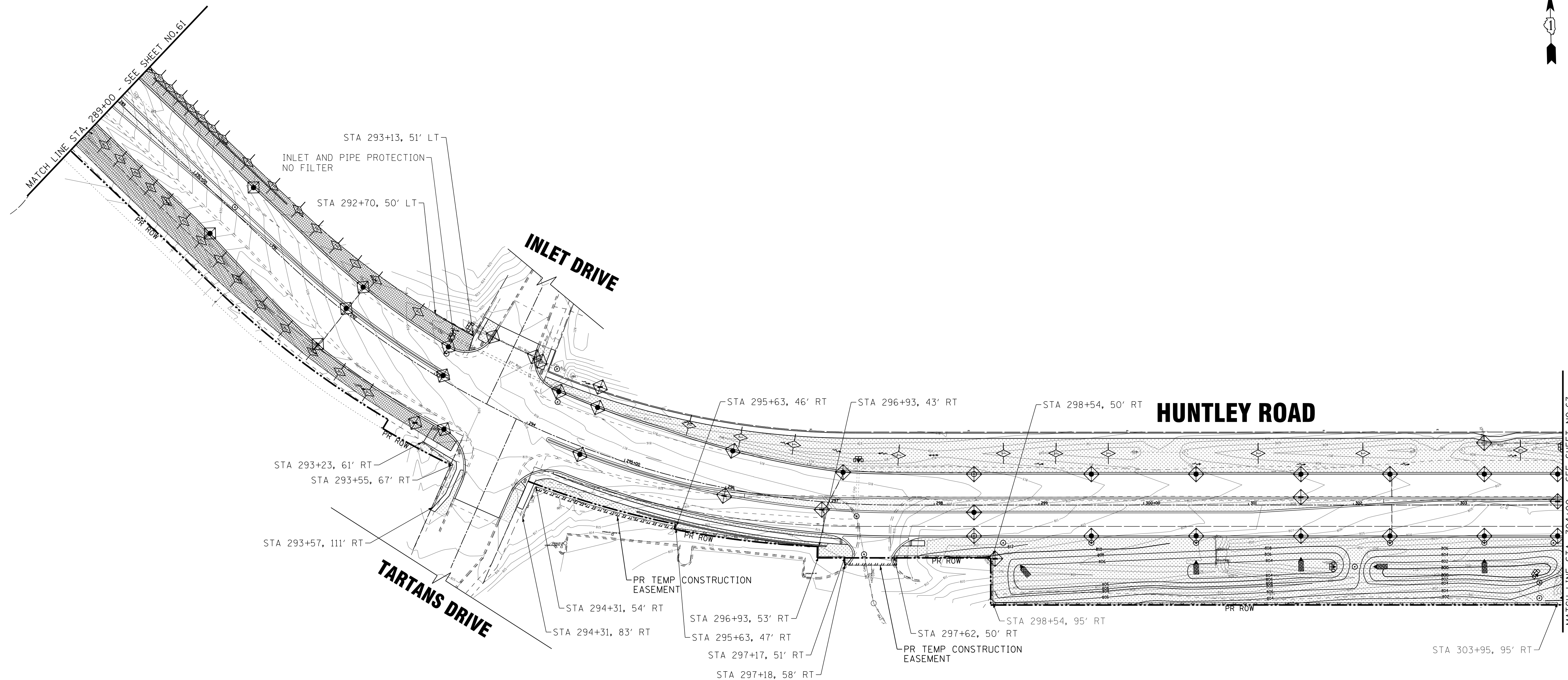


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MATCH LINE STA. 273+50 - SEE ABOVE RIGHT

MATCH LINE STA. 289+00 - SEE SHEET NO. 62

MATCH LINE STA. 273+50 - SEE BELOW LEFT



LEGEND

- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKET
- TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET
- INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
- INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
- TEMPORARY DITCH CHECKS
- INLET AND PIPE PROTECTION

SCHEDULE

PERIMETER EROSION BARRIER	1,153 LF
INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)	35 EA
INLET FILTERS (EXISTING DRAINAGE STRUCTURES)	3 EA
TEMPORARY DITCH CHECKS	39 LF
INLET AND PIPE PROTECTION	6 EA

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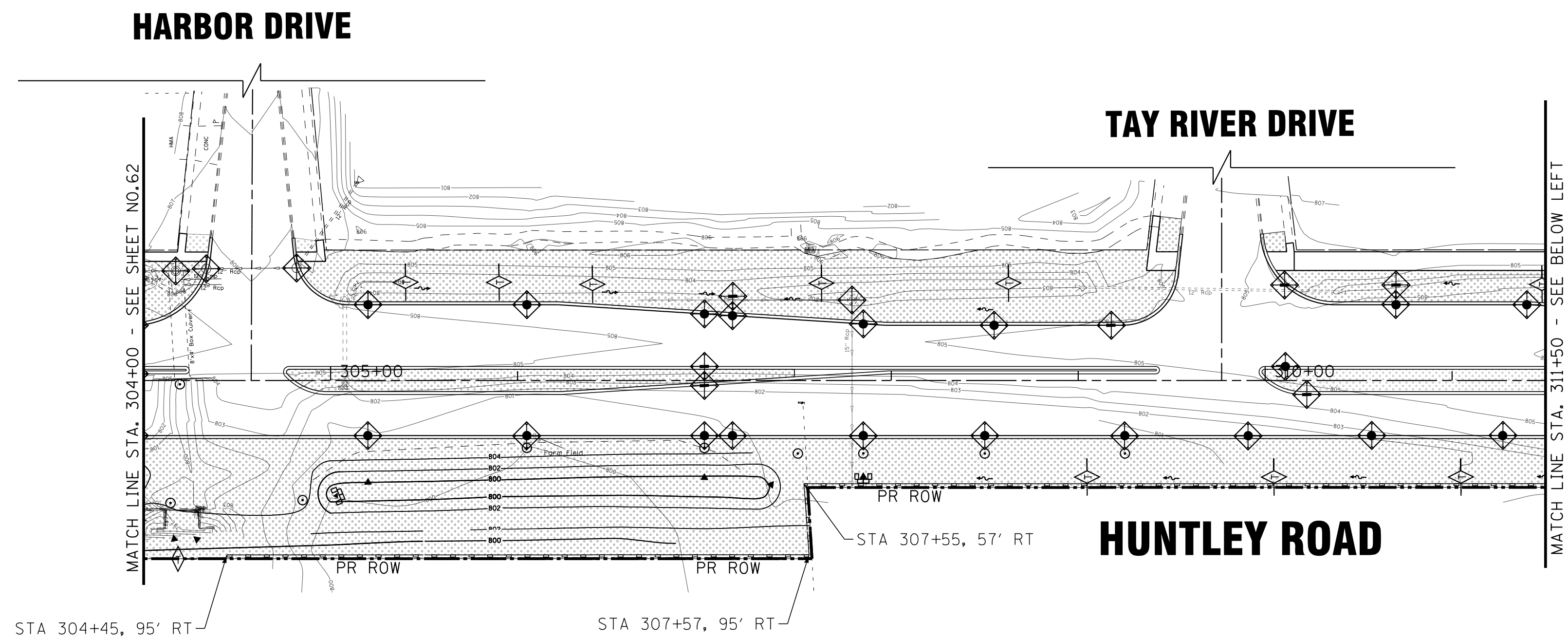
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
HUNTLEY ROAD

SCALE: 1"=50' STA. 289+50 TO STA. 304+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	62
				CONTRACT NO. 61C86
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				

MATCH LINE STA. 304+00 - SEE SHEET NO.63

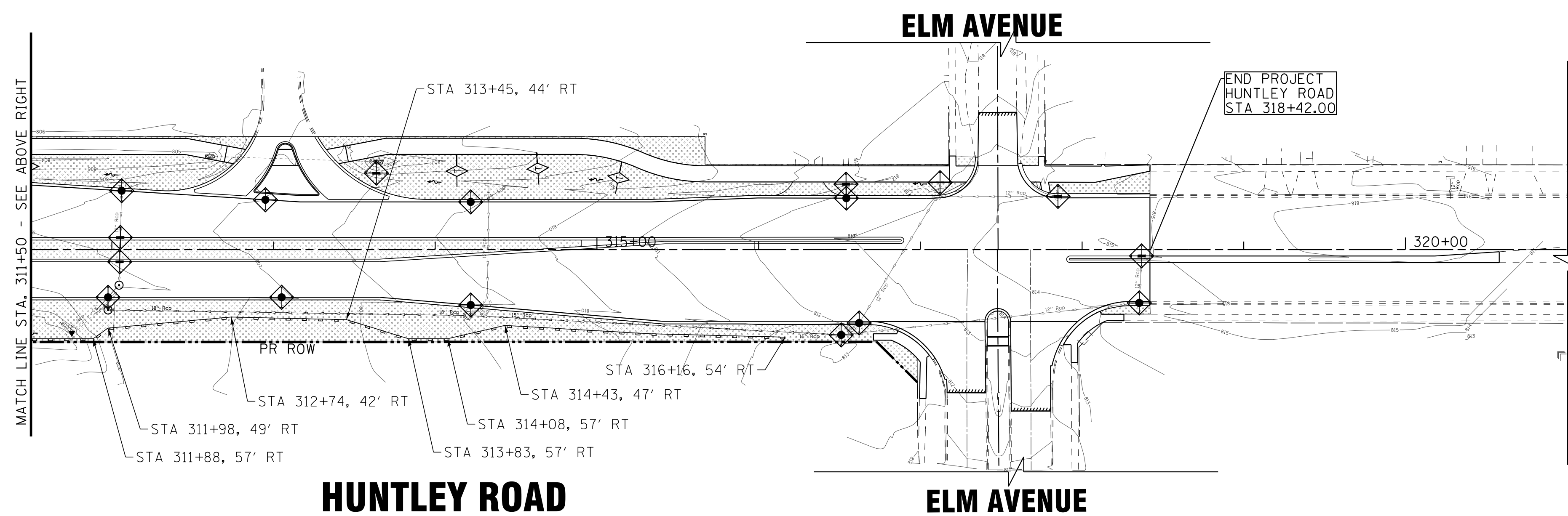


LEGEND

- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKET
- TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET
- INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
- INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
- TEMPORARY DITCH CHECKS
- INLET AND PIPE PROTECTION

SCHEDULE

PERIMETER EROSION BARRIER	1,217 LF
INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)	41 EA
INLET FILTERS (EXISTING DRAINAGE STRUCTURES)	5 EA
TEMPORARY DITCH CHECKS	13 LF
INLET AND PIPE PROTECTION	2 EA



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
HUNTLEY ROAD

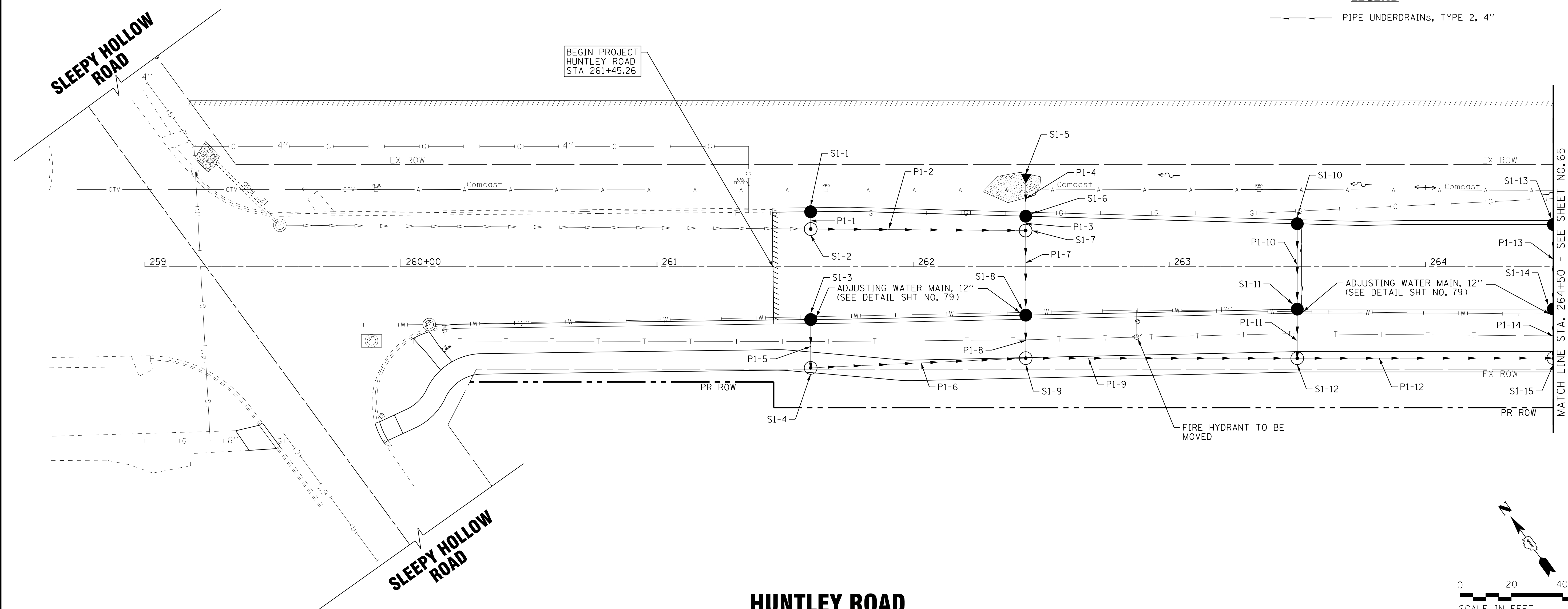
SCALE: 1"=50'

STA. 304+00 TO STA. 320+50

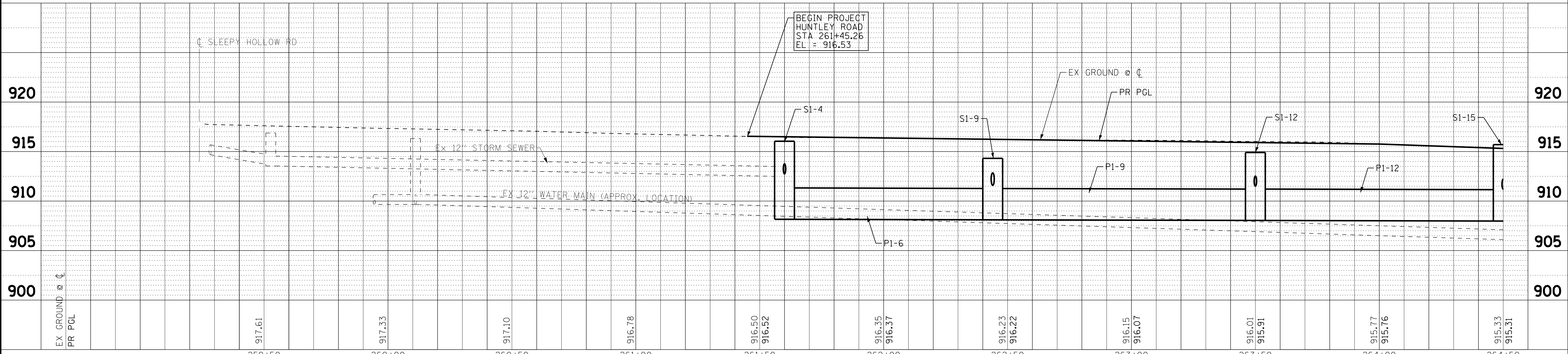
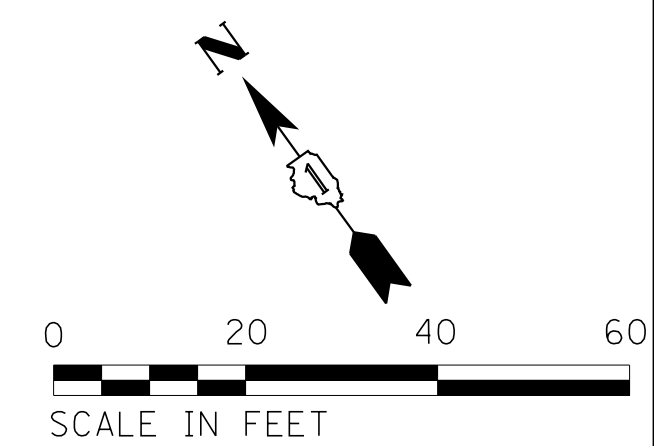
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	63
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)			CONTRACT NO. 61C86	

LEGEND

--- PIPE UNDERDRAINS, TYPE 2, 4"



HUNTLEY ROAD

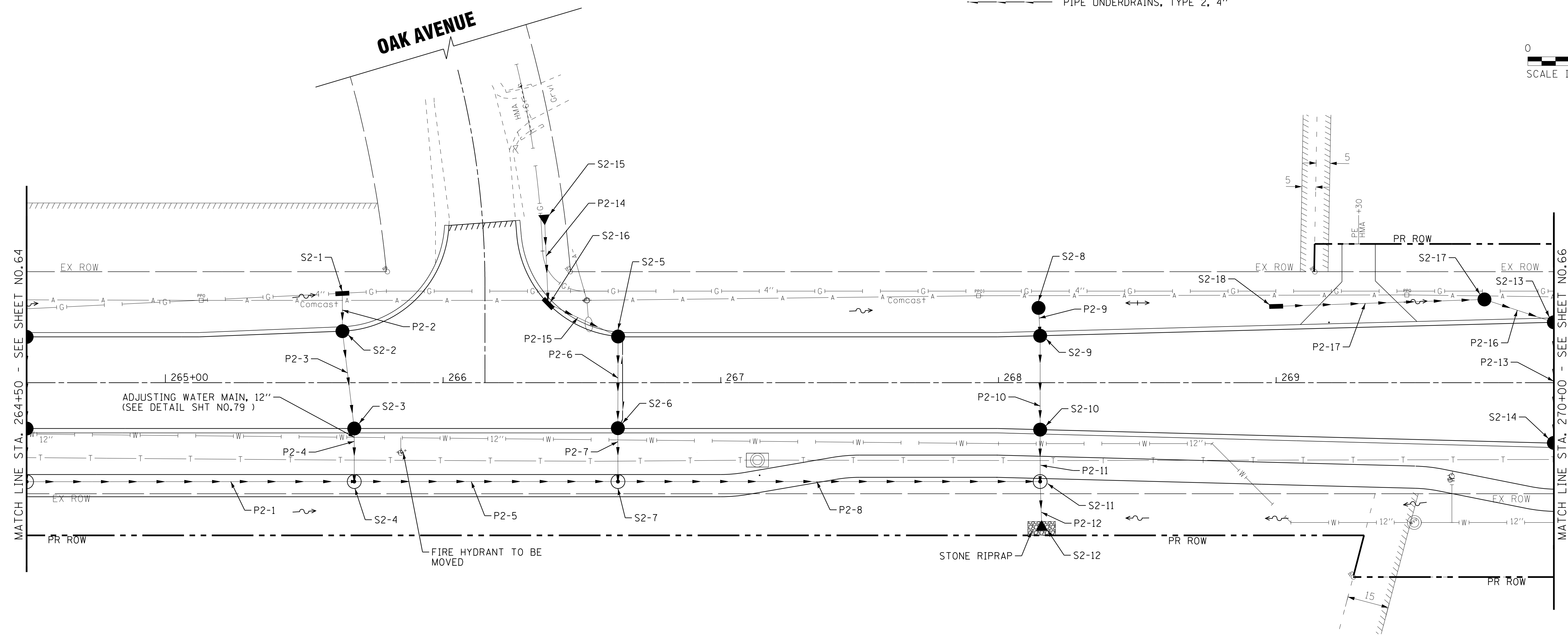
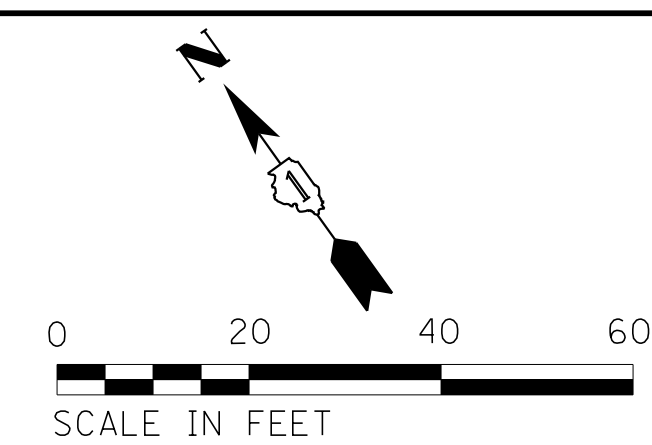


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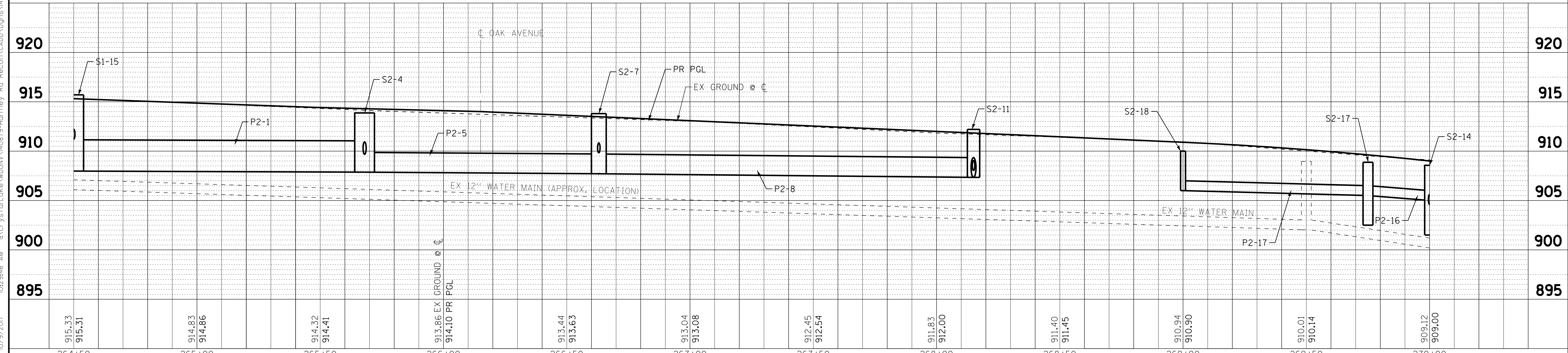
BAXTER & WOODMAN CONSULTANTS, INC. ENGINEERS	DESIGNED - AMM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN HUNTLEY ROAD		F.A.U. RTE. 1283	SECTION 14-00057-00-WR	COUNTY KANE	TOTAL SHEETS 173	SHEET NO. 64
	DRAWN - UKB	REVISED -		SCALE: H: 1"=20' V: 1"=5'	STA. 259+00	TO STA. 264+50	CONTRACT NO. 61C86		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	
	CHECKED - DTH	REVISED -								
	DATE - 10-09-17	FILE - 140879SHT-DUI.dgn								

LEGEND

PIPE UNDERDRAINS, TYPE 2, 4"



HUNTLEY ROAD



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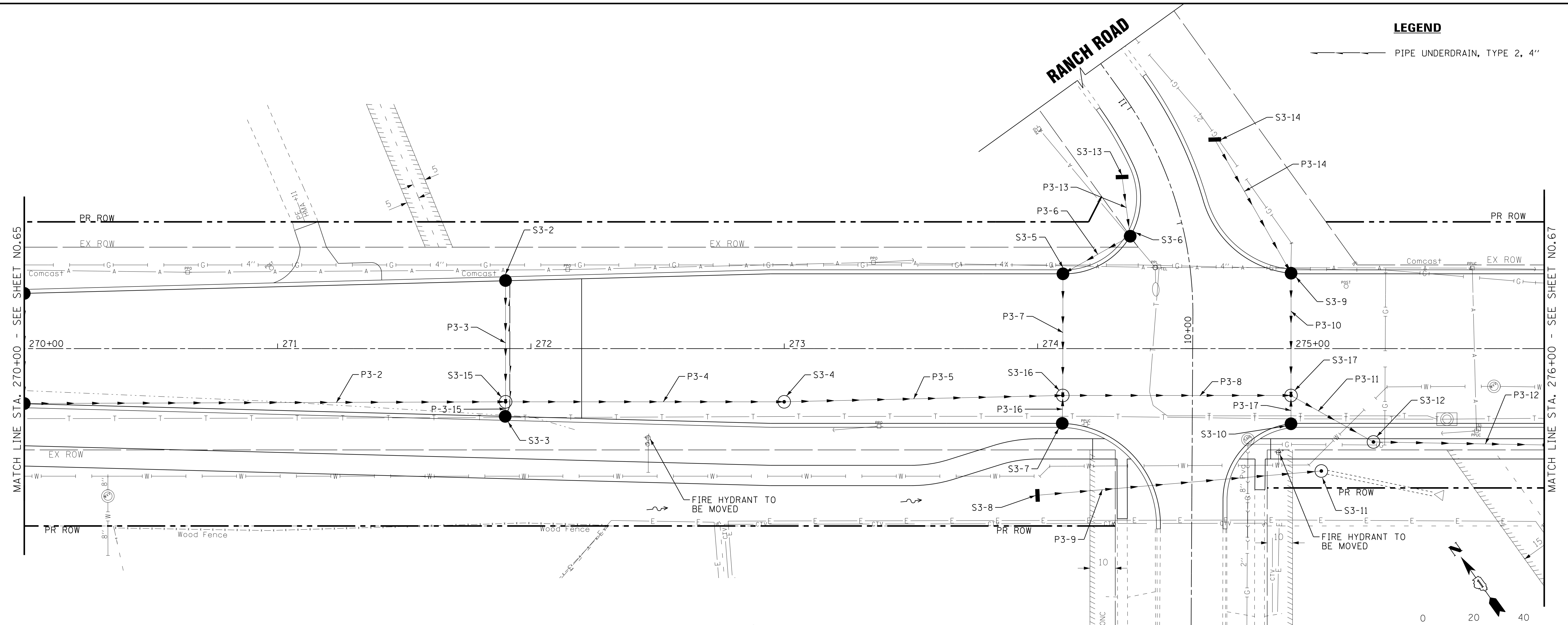
**DRAINAGE AND UTILITY PLAN
HUNTLEY ROAD**

SCALE: H: 1"=20' V: 1"=5' STA. 264+50 TO STA. 270+00

F.A.U. RTE. 1283	SECTION 14-00057-00-WR	COUNTY KANE	TOTAL SHEETS 173	SHEET NO. 65
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	

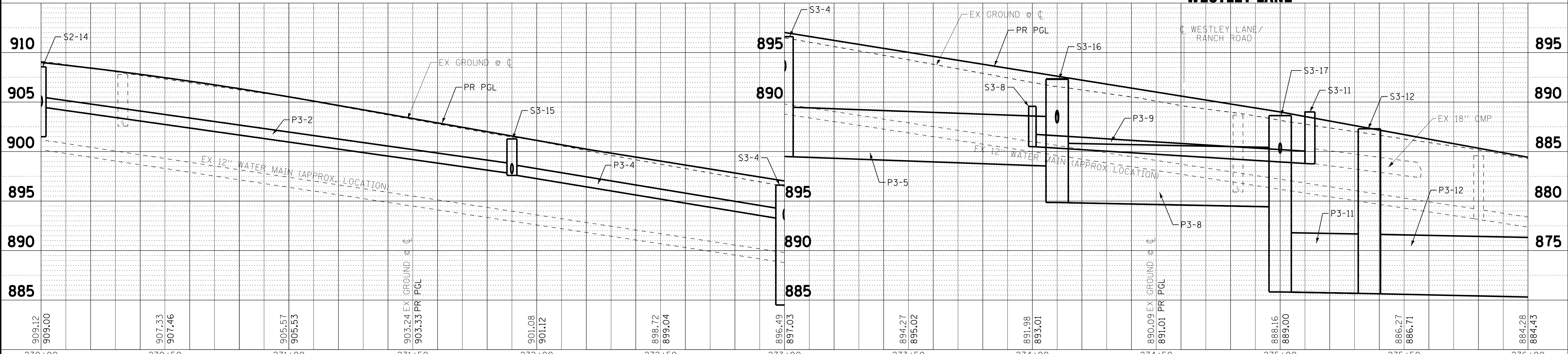
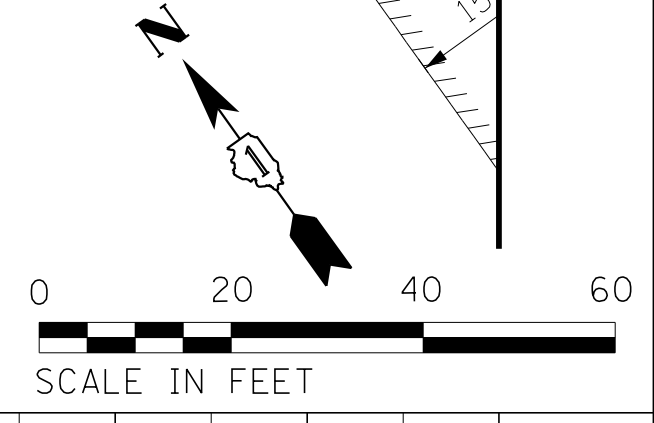
LEGEND

PIPE UNDERDRAIN, TYPE 2, 4"



HUNTLEY ROAD

WESTLEY LANE



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DATE - 10-09-17	FILE - 140879SHT-DU3.dgn

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DEPARTMENT OF TRANSPORTATION**

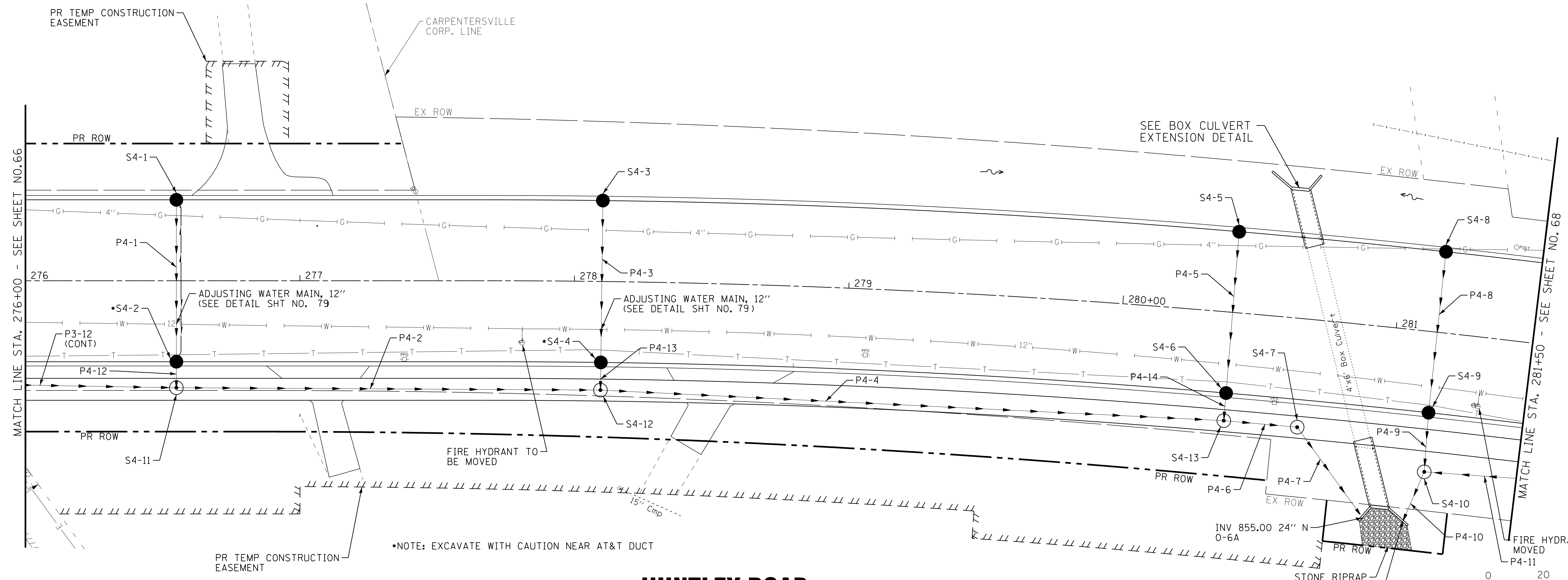
**DRAINAGE AND UTILITY PLAN
HUNTLEY ROAD**

SCALE: H: 1"=20' V: 1"=5' STA. 270+00 TO STA. 276+00

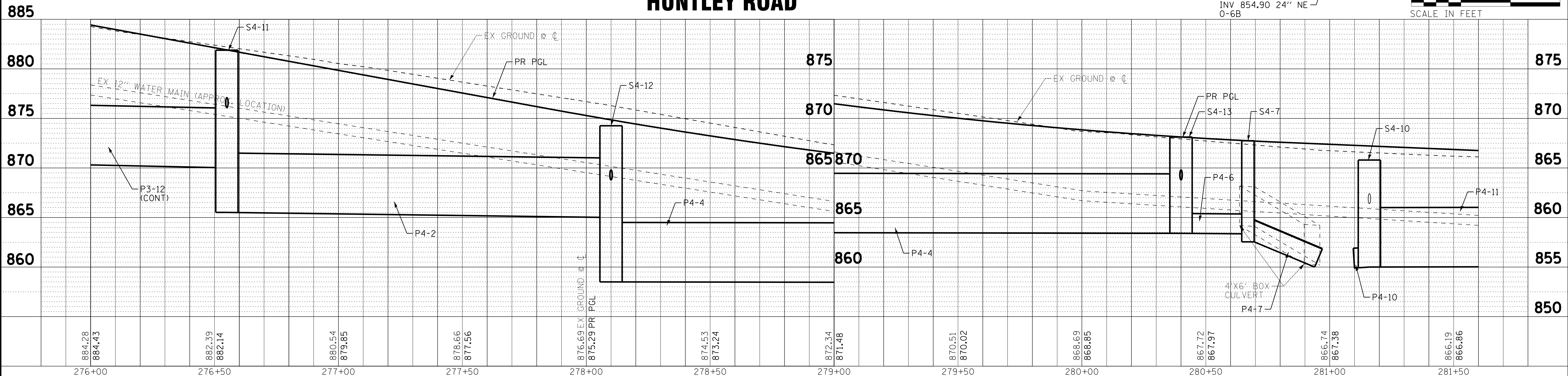
F.A.U. RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	66
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				

LEGEND

PIPE UNDERDRAIN, TYPE 2, 4"



HUNTLEY ROAD



884.28	884.43	882.39	882.14	880.54	879.85	878.66	877.56	876.69	875.29	874.53	873.24	872.34	871.48	870.51	870.02	868.69	868.85	867.72	867.97	866.74	867.38	866.19	866.86
276+00	276+50	277+00	277+50	278+00	278+50	279+00	279+50	280+00	280+50	281+00	281+50												

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLAN
HUNTLEY ROAD**

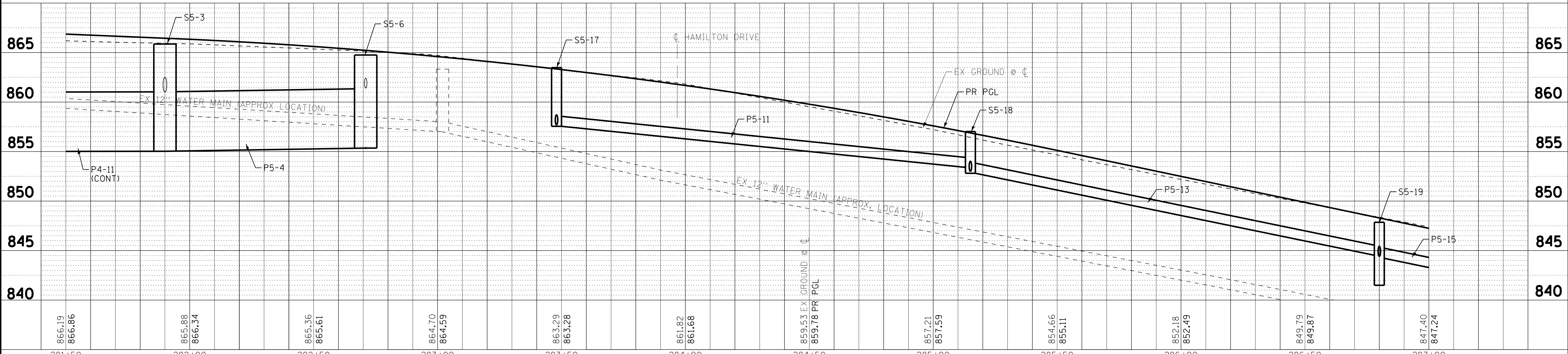
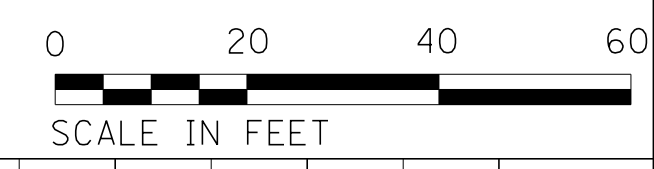
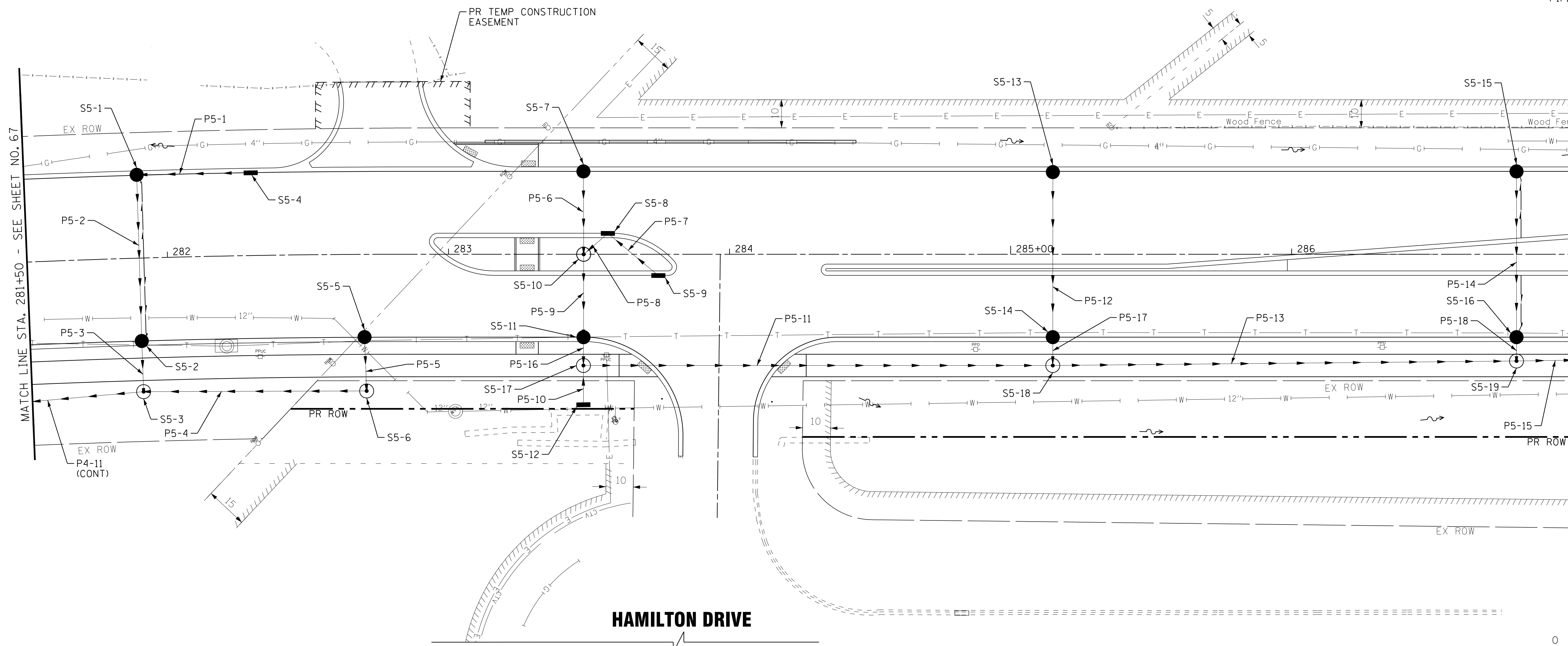
SCALE: H: 1"=20' V: 1"=5' STA. 276+00 TO STA. 281+50

F.A.U. RTE. 1283	SECTION 14-00057-00-WR	COUNTY KANE	TOTAL SHEETS 173	SHEET NO. 67
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	

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LEGEND

PIPE UNDERDRAIN, TYPE 2, 4"



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

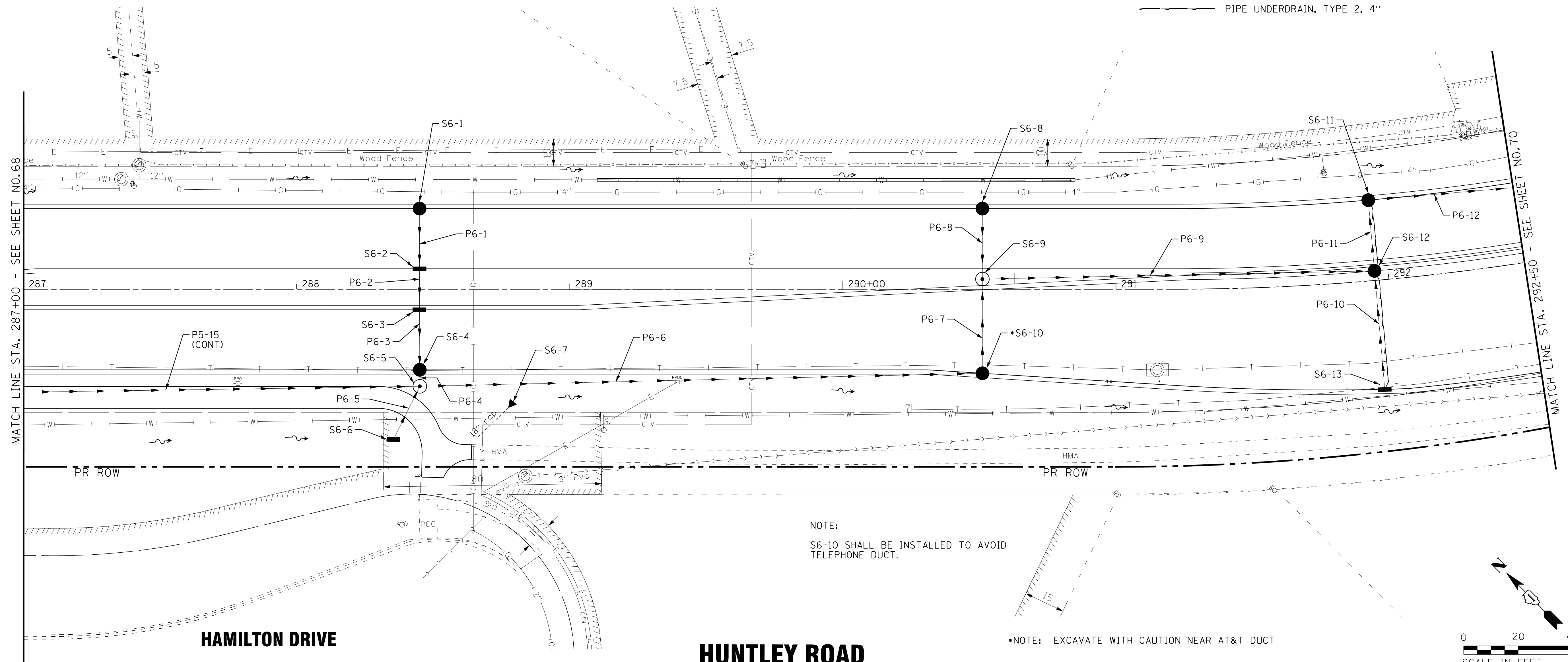
**DRAINAGE AND UTILITY PLAN
 HUNTLEY ROAD**

SCALE: H: 1"=20' V: 1"=5' STA. 281+50 TO STA. 287+00

F.A.U. RTE. 1283	SECTION 14-00057-00-WR	COUNTY KANE	TOTAL SHEETS 173	SHEET NO. 68
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	

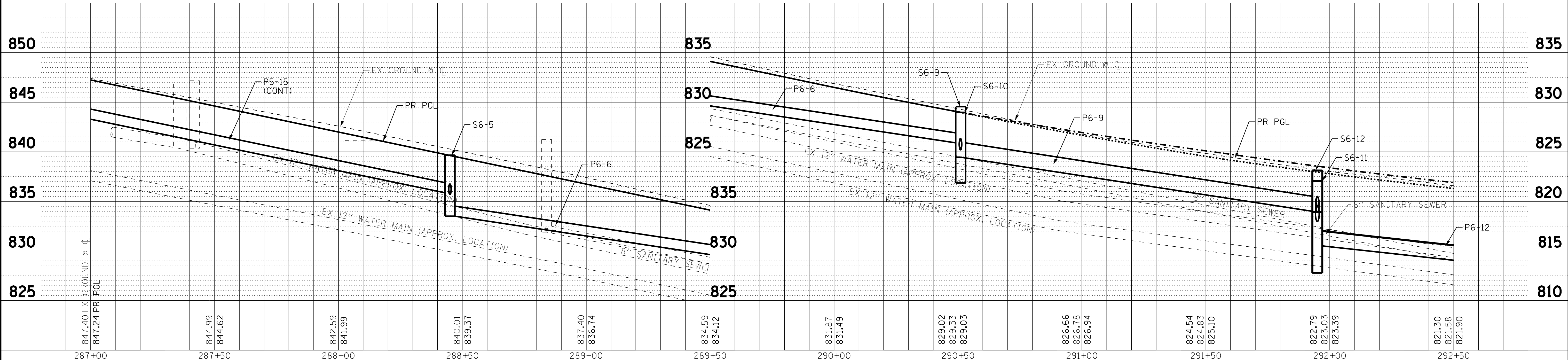
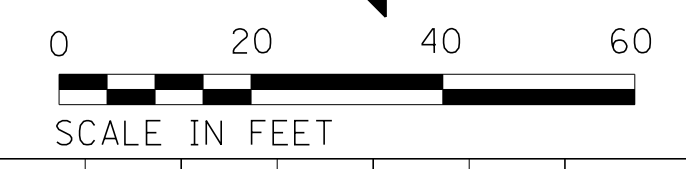
LEGEND

PIPE UNDERDRAIN, TYPE 2, 4"



NOTE:
S6-10 SHALL BE INSTALLED TO AVOID TELEPHONE DUCT.

*NOTE: EXCAVATE WITH CAUTION NEAR AT&T DUCT



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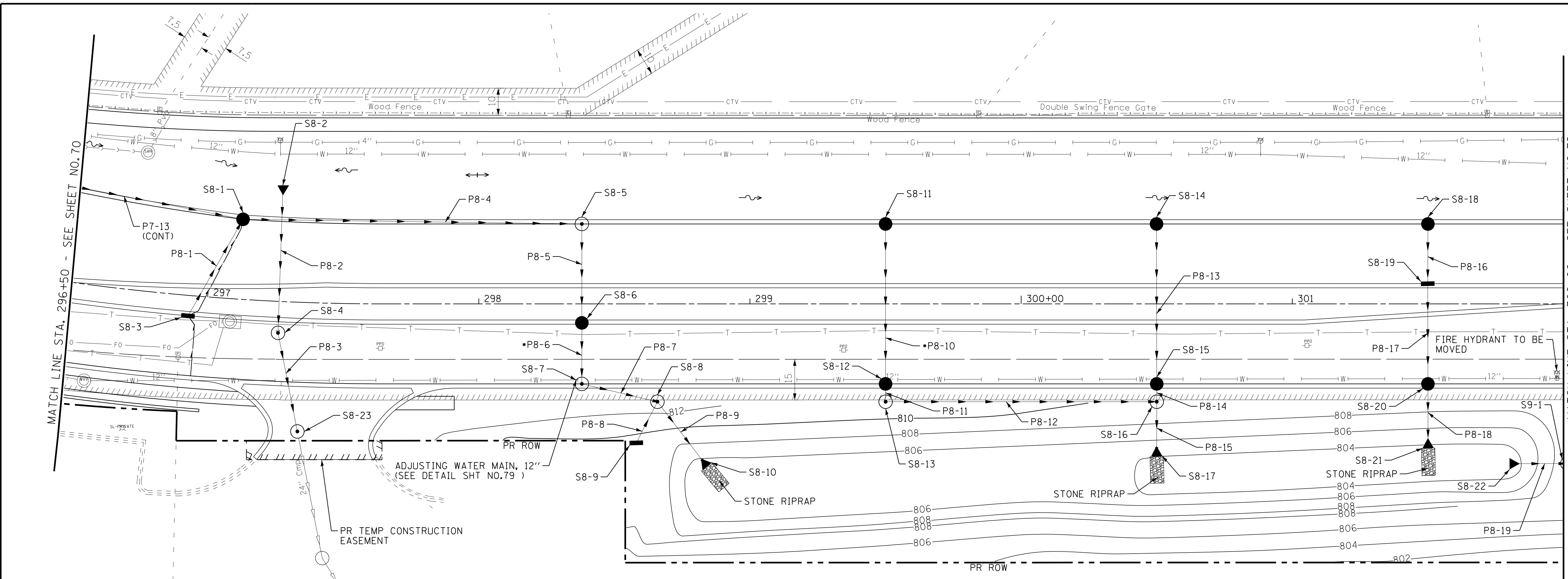
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DATE - 10-09-17	FILE - 140879SHT-DU6.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLAN
HUNTLEY ROAD**

SCALE: H: 1"=20' V: 1"=5'
STA. 287+00 TO STA. 292+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	69
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



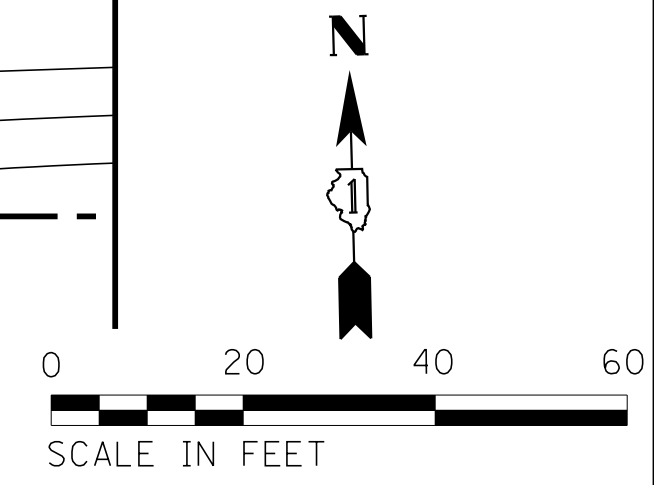
MATCH LINE STA. 302+00 - SEE SHEET NO. 72

MATCH LINE STA. 296+50 - SEE SHEET NO. 70

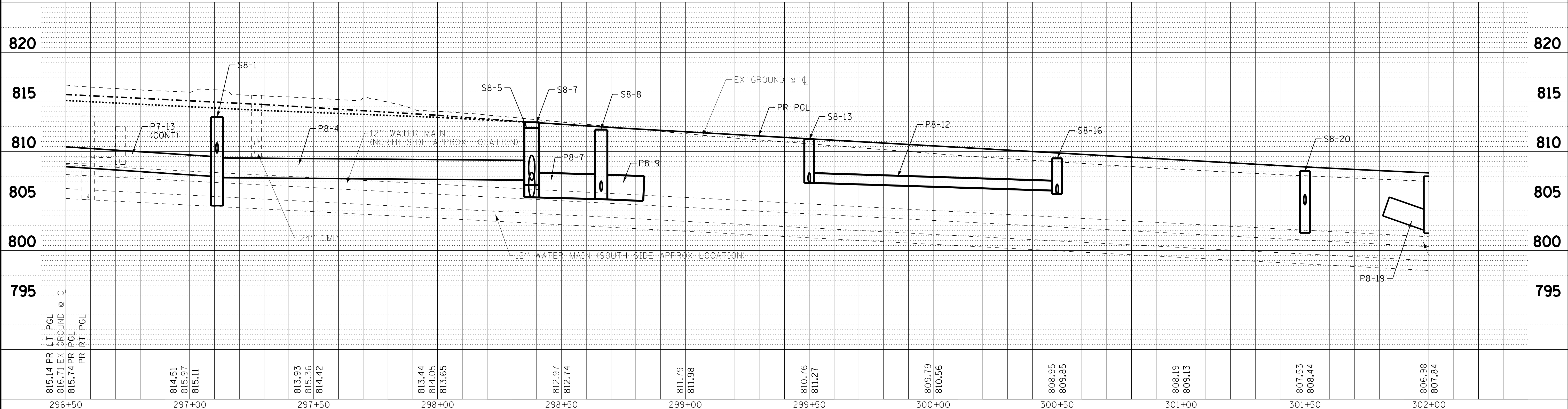
LEGEND

PIPE UNDERDRAIN, TYPE 2, 4"

*NOTE: EXCAVATE WITH CAUTION NEAR AT&T DUCT



HUNTLEY ROAD



815.14 816.71 815.74	814.51 815.97 815.11	813.93 815.36 814.42	813.44 814.05 813.65	812.97 812.74	811.79 811.98	810.76 811.27	809.79 810.56	808.95 809.85	808.19 809.13	807.53 808.44	806.98 807.84
296+50	297+00	297+50	298+00	298+50	299+00	299+50	300+00	300+50	301+00	301+50	302+00



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**DRAINAGE AND UTILITY PLAN
HUNTLEY ROAD**

SCALE: H: 1"=20' V: 1"=5' STA. 296+50 TO STA. 302+00

F.A.U. R.T.E. 1283	SECTION 14-00057-00-WR	COUNTY KANE	TOTAL SHEETS 173	SHEET NO. 71
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	

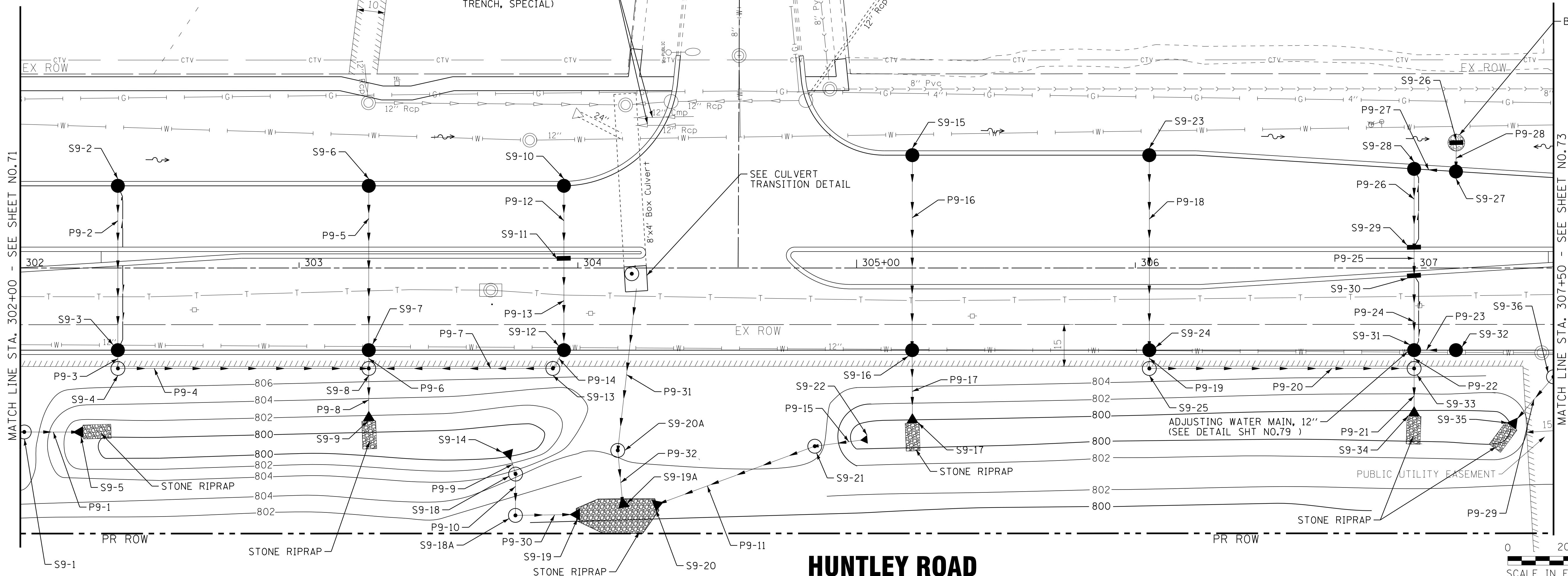
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HARBOR DRIVE

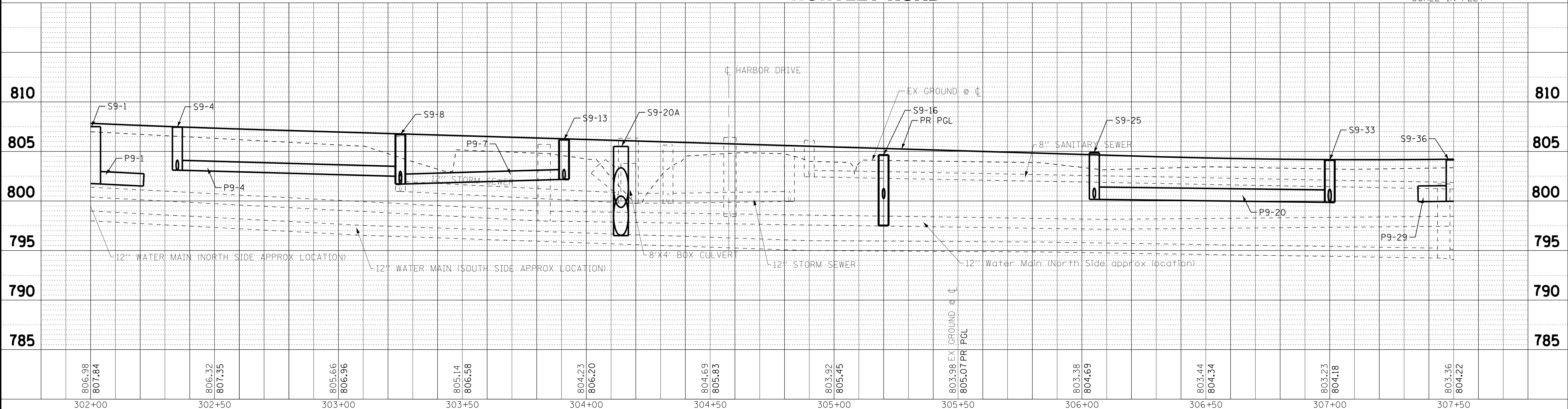
LEGEND

PIPE UNDERDRAIN, TYPE 2, 4"

VERIFY PIPE SOURCES AND
ABANDON IF REQUIRED
(INCLUDED IN EXPLORATION
TRENCH, SPECIAL)



HUNTLEY ROAD



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806.98 807.84	806.32 807.35	805.66 806.96	805.14 806.58	804.23 806.20	804.69 805.83	803.92 805.45	803.98 EX GROUND 805.07 PR PGL	803.38 804.69	803.44 804.34	803.23 804.18	803.36 804.22
302+00	302+50	303+00	303+50	304+00	304+50	305+00	305+50	306+00	306+50	307+00	307+50

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DEPARTMENT OF TRANSPORTATION**

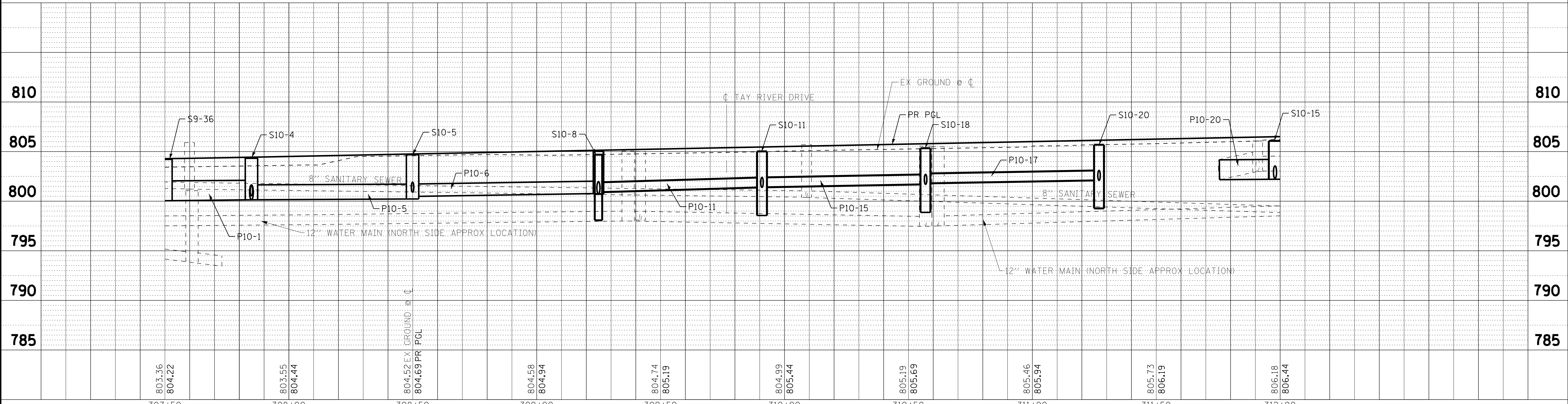
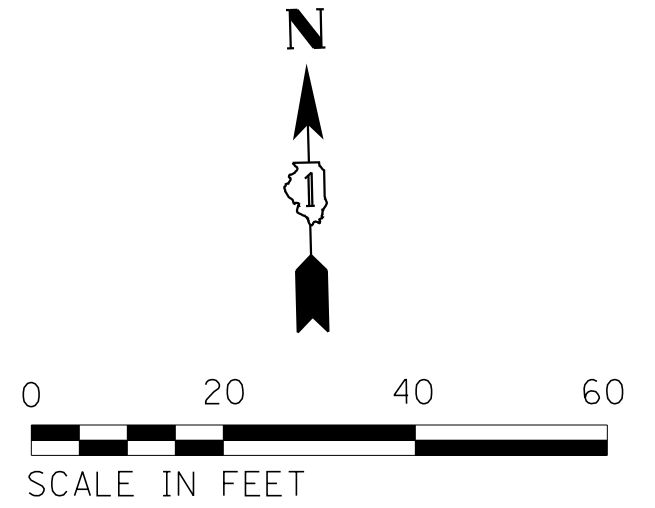
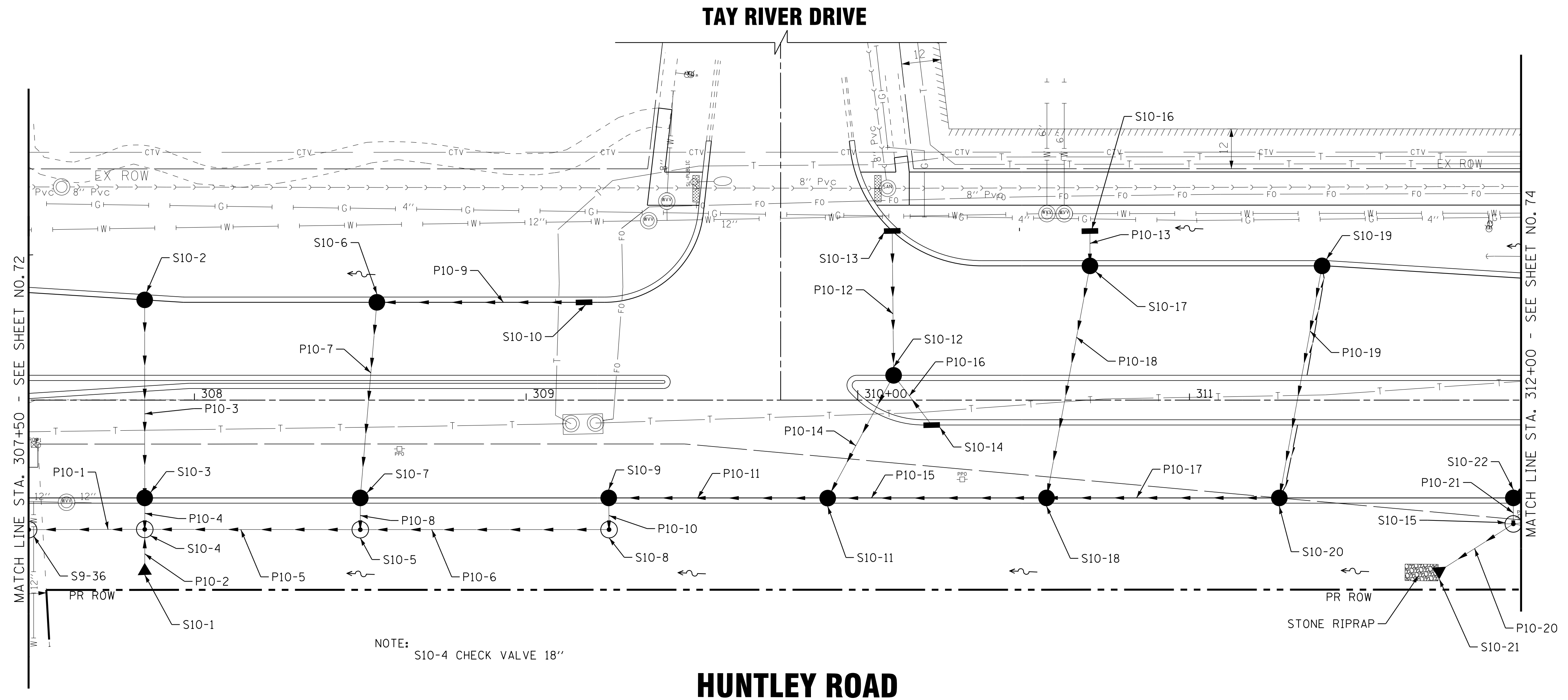
**DRAINAGE AND UTILITY PLAN
HUNTLEY ROAD**

SCALE: H: 1"=20' V: 1"=5' STA. 302+00 TO STA. 307+50

F.A.U. RT. 1283	SECTION 14-00057-00-WR	COUNTY KANE	TOTAL SHEETS 173	SHEET NO. 72
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)				

LEGEND

PIPE UNDERDRAIN, TYPE 2, 4"



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLAN
HUNTLEY ROAD**

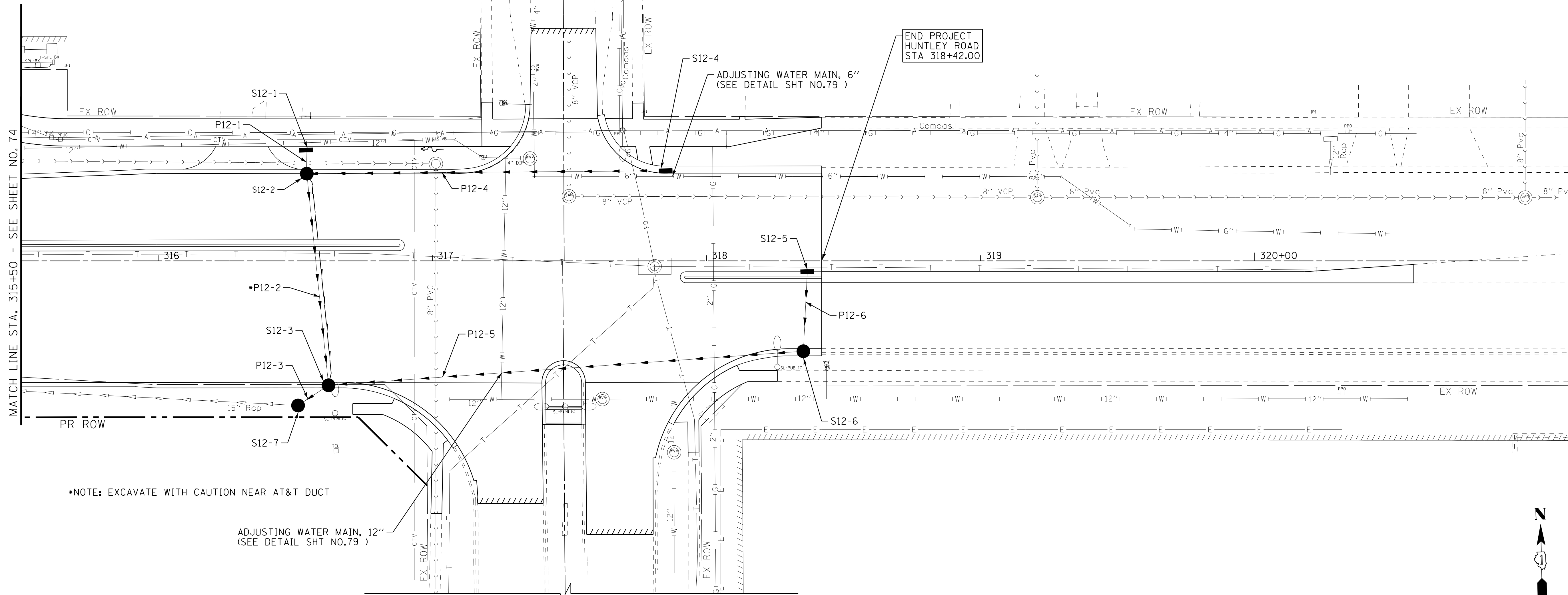
SCALE: H: 1"=20' V: 1"=5' STA. 307+50 TO STA. 312+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	73
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	

ELM AVENUE

LEGEND

PIPE UNDERDRAIN, TYPE 2, 4"



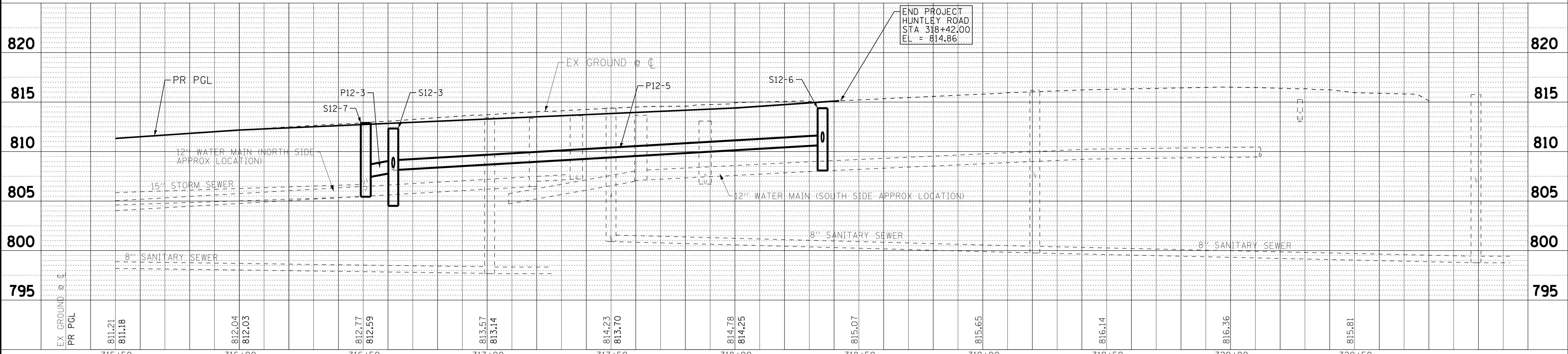
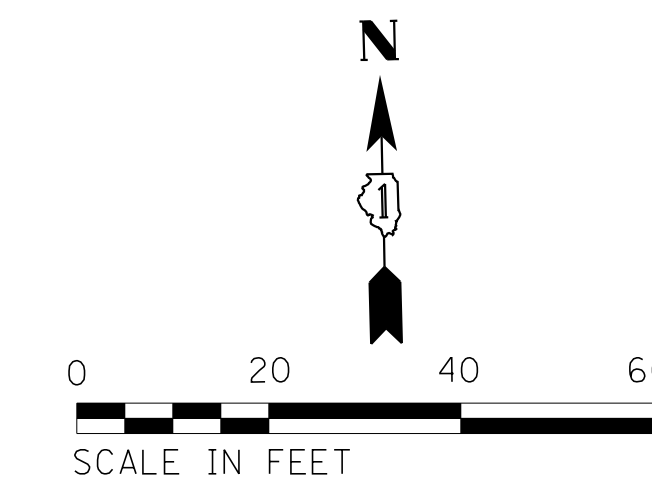
NOTE: EXCAVATE WITH CAUTION NEAR AT&T DUCT

ADJUSTING WATER MAIN, 12"
(SEE DETAIL SHT NO.79)

END PROJECT
HUNTLEY ROAD
STA 318+42.00

ELM AVENUE

HUNTLEY ROAD



END PROJECT
HUNTLEY ROAD
STA 318+42.00
EL = 814.86

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	DESIGNED - AMM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN HUNTLEY ROAD	F.A.U. RTE. 1283 SECTION 14-00057-00-WR COUNTY KANE TOTAL SHEETS 173 SHEET NO. 75 CONTRACT NO. 61C86
	DRAWN - UKB	REVISED -			
	CHECKED - DTH	REVISED -			
	DATE - 10-09-17	FILE - 140879SHT-DUI2.dgn			

SCALE: H: 1"=20' V: 1"=5' STA. 315+50 TO STA. 320+50

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS		
S1-1	261+60	21.5' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	916.02	912.91 12" SW		
S1-2	261+60	14.7' LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	916.17	912.48 12" SE	912.48 EX 12" NW	912.87 12" NE
S1-3	261+60	20.6' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	916.04	912.94 12" SW		
S1-4	261+60	39.5' RT	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	916.14	908.16 38X60" SE	912.75 12" NE	
S1-5	262+44	30.5' LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"		912.46 15" SW		
S1-6	262+44	19.8' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	915.60	912.13 15" SW	912.13 15" NE	
S1-7	262+44	14.1' LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	915.70	911.90 15" SW	912.00 15" NE	912.05 12" NW
S1-8	262+44	18.9' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	915.61	911.69 15" SW	911.69 15" NE	
S1-9	262+44	35.9' RT	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	914.31	908.10 38X60" SE	911.59 15" NW	908.10 38X60" NE
S1-10	263+50	16.7' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	915.57	912.08 12" SW		
S1-11	263+50	16.6' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	915.57	911.71 12" SW	911.71 12" NE	
S1-12	263+50	35.8' RT	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	914.90	908.04 38X60" SE	911.51 12" NW	908.04 38X60" NE
S1-13	264+50	16.5' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	914.98	911.69 12" SW		
S1-14	264+50	16.5' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	914.98	911.39 12" SW	911.39 12" NE	
S1-15	264+50	35.7' RT	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	915.70	907.98 38X60" SE	911.21 12" NW	907.98 38X60" NE

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS				
S6-1	288+45	29.5' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	839.19	836.02 12" SW				
S6-2	288+45	7.43' LT	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	839.63	835.92 12" SW	835.92 12" NE			
S6-3	288+45	7.57' RT	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	839.63	835.85 12" SW	835.85 12" NE			
S6-4	288+45	29.5' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	839.19	835.74 12" SW	835.74 12" NE			
S6-5	288+45	35.5' RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	839.66	833.59 12" SE	835.76 12" NW	835.75 12" SW	835.71 12" NE	
S6-6	288+36	54.9' RT	INLETS, TYPE A, TYPE 8 GRATE	840.00	836.50 12" NE				
S6-7	288+80	41.3' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"		835.73 EX 18" W				
S6-8	290+51	29.5' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	828.41	825.29 12" SW				
S6-9	290+51	3.7' LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	829.55	824.46 18" SE	824.96 12" NE	824.46 18" SW		
S6-10	290+51	30.7' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	828.98	825.33 18" NE	825.83 12" NW			
S6-11	291+95	29.5' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	822.07	815.56 18" SE	817.98 18" SW			
S6-12	291+95	3.5' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	823.11	818.92 18" NE	818.92 18" NW	819.50 12" SW		
S6-13	291+95	40.0' RT	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	824.22	820.22 12" NE				

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS		
S2-1	265+64	32.1' LT	INLETS, TYPE A, TYPE 8 GRATE	912.67	910.44 12" SW		
S2-2	265+64	18.56' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	913.90	909.88 15" SW	910.38 12" NE	
S2-3	265+68	16.5' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	913.87	909.75 15" SW	909.75 15" NE	
S2-4	265+68	35.6' RT	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	913.87	907.87 24X38" SE	909.68 15" NW	907.87 38X60" NE
S2-5	266+63	16.6' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	913.19	910.07 12" SW	910.07 12" NW	
S2-6	266+63	16.4' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	913.19	909.92 12" SW	909.92 12" NE	
S2-7	266+63	35.6' RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	913.80	907.71 24" SE	907.71 24X38" NW	909.83 12" NE
S2-8	268+14	31.0' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	910.72	907.52 18" SW		
S2-9	268+15	16.9' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	911.41	907.46 18" SW	907.46 18" NE	
S2-10	268+15	16.9' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	911.41	907.37 18" SW	907.37 18" NE	
S2-11	268+15	35.6' RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	912.20	907.32 24" SW	907.32 24" NW	907.32 18" NE
S2-12	268+16	52' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"		907.30 24" NE		
S2-13	270+00	21.7' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	908.56	905.00 12" SW	905.00 12" NW	
S2-14	270+00	21.7' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	908.56	904.50 12" SE	904.60 12" NE	
S2-15	266+37	59.2' LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"		913.31 12" SW		
S2-16	266+37	28.5' LT	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	913.73	910.20 12" SE	910.20 12" NE	
S2-17	269+75	30.0' LT	CATCH BASINS, TYPE C, TYPE 8 GRATE	908.87	905.50 12" SE	905.50 12" NW	
S2-18	269+00	27.5' LT	INLETS, TYPE A, TYPE 8 GRATE	910.00	906.00 12" SE		

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS				
S7-1	292+98	29.5' LT	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	818.99	815.53 12" S				
S7-2	293+00	23.1' LT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	819.22	812.70 18" SE	813.70 12" S	815.49 12" N	812.70 18" NW	
S7-3	293+08	3.5' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	820.04	813.91 12" N	815.00 12" S			
S7-4	293+08	49' RT	INLETS, TYPE A, TYPE 8 GRATE	821.15	817.90 12" E				
S7-5	292+34	40.5' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	820.61	816.35 12" N	817.00 12" W			
S7-6	294+05	59.6' LT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	818.00	812.80 24" S	812.80 EX 24" NW			
S7-7	294+16	40.5' LT	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 11V FRAME AND GRATE	816.78	812.00 24" S	812.10 24" N			
S7-8	294+19	31' LT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	817.12	811.00 24" E	811.95 24" N	811.50 18" NW		
S7-9	294+53	59.5' LT	INLETS, TYPE A, TYPE 8 GRATE	813.70	811.03 12" S				
S7-10	294+58	40.5' LT	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 11V FRAME AND GRATE	816.25	809.94 24" SE	809.94 24" W	810.94 12" N	812.58 12" SW	
S7-11	294+58	7.5' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	818.17	814.05 12" NE				
S7-12	296+00	36.17' LT	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 11V FRAME AND GRATE	814.63	809.28 24" SE	809.38 24" NW	811.00 12" S		
S7-13	296+00	7.5' RT	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	816.38	813.00 12" N				

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS		
S3-2	271+90	26.7' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	901.17	898.00 12" SW		
S3-3	271+90	26.7' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	901.17	897.85 12" NE		
S3-4	273+00	21.0' RT	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	896.78	884.50 60" SE	893.13 12" NW	
S3-5	274+10	29.5' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	892.10	888.16 15" SW	888.66 12" E	
S3-6	274+37	44.3' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	892.05	888.80 12" W	888.80 12" NE	
S3-7	274+10	29.5' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	892.10	888.00 12" NE		
S3-8	274+00	57.9' RT	INLETS, TYPE A, TYPE 8 GRATE	889.57	885.50 15" SE		
S3-9	275+00	29.7' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	888.41	885.29 12" SW	885.29 12" N	
S3-10	275+00	29.6' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	888.41	885.00 12" NE		
S3-11	275+12	48.3' RT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	889.00	883.76 EX 18" SE	883.76 15" NW	
S3-12	275+36	36.8' RT	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	887.30	870.65 72" SE	870.65 72" NW	
S3-13	10+75	16.5' LT	INLETS, TYPE A, TYPE 8 GRATE	893.22	889.70 12" SW		
S3-14	10+75	23.0' RT	INLETS, TYPE A, TYPE 8 GRATE	892.56	887.00 12" S		
S3-15	271+90	21.0' RT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	901.28	897.67 12" SE	897.77 12" NW	897.77 12" NE
S3-16	274+10	18.5' RT	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	892.32	879.85 72" SE	883.50 60" NW	887.90 15" NE
S3-17	275+00	18.5' RT	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	888.63	870.82 72" SE	879.40 72" NW	884.85 12" NE

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS				
S8-1	297+11	29.5' LT	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 11V FRAME AND GRATE	813.49	807.35 24" E	807.45 24" NW	809.85 12" S		
S8-2	297+26	41.6' LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"		810.29 24" S				
S8-3	296+93	7.5' RT	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	815.20	811.00 12" NE				
S8-4	297+27	11.6' RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	814.61	809.33 24" S	809.33 24" N			
S8-5	298+38	29.5' LT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 11V FRAME AND GRATE	812.35	806.60 30" S	807.10 24" W			
S8-6	298+38	7' RT	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 11V FRAME AND GRATE	812.95	805.42 30" S	806.60 30" N			
S8-7	298+38	29.5' RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 11V FRAME AND GRATE	812.94	805.37 30" SE	805.37 30" N			
S8-8	298+66	36.1' RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	812.20	805.18 30" SE	805.18 30" NW	806.00 12" SW		
S8-9	298+58	51.2' RT	INLETS, TYPE A, TYPE 8 GRATE	808.94	806.28 12" NE				
S8-10	298+83	59.0' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"		805.00 30" NW				
S8-11	299+50	29.5' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	810.83	807.86 12" S				
S8-12	299+50	29.5' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	810.83	806.90 12" S	807.60 12" N			
S8-13	299+50	36.1' RT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	811.22	806.83 12" E	806.83 12" N			
S8-14	300+50	29.5' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	809.41	806.24 12" S				
S8-15	300+50	29.5' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	809.41	805.84 12" S	805.94 12" N			
S8-16	300+50	36.1' RT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	809.30	805.69 12" S	805.69 12" N	806.03 12" W		
S8-17	300+50	54.9' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"		804.50 12" N				
S8-18	301+50	29.5' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	808.00	804.88 12" S				
S8-19	301+50	7.5' LT	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	808.44	804.78 12" S	804.78 12" N			
S8-20	301+50	29.5' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	808.00	804.62 12" S	804.62 12" N			
S8-21	301+50	52.0' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"		804.00 12" N				
S8-22	301+81	58.9' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"		803.50 24" E				
S8-23	297+35	47.5' RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	814.61	808.67 EX 24" S	808.67 24" N			

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS		
S4-1	276+55	29.5' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	881.32	877.27 12" SW		
S4-2	276+55	29.5' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	881.32	876.09 12" SW	876.09 12" NE	
S4-3	278+10	29.5' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	874.26	869.98 12" SW		
S4-4	278+10	29.5' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	874.26	868.80 12" SW	868.80 12" NE	
S4-5	280+40	29.5' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	867.54	864.42 12" SW		
S4-6	280+40	29.5' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	867.54	863.89 12" SW	863.89 12" NE	
S4-7	280+67	39.5' RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	867.74	857.80 24" S	858.35 24" NW	
S4-8	281+15	29.5' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	866.64	862.60 12" SW		
S4-9	281+15	29.5' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	866.64	861.73 12" SW	861.73 12" NE	
S4-10	281+16	51.0' RT	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	865.80			

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS			
S9-1	302+01	59' RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	807.50	801.75 15" E	801.75 24" W		
S9-2	302+35	29.4' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	807.06	803.87 12" S			
S9-3	302+35	29.5' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	807.06	803.20 12" S	803.56 12" N		
S9-4	302+35	36.1' RT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	807.45	803.11 12" E	803.11 12" N		
S9-5	302+21	58.9' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"		801.50 15" W			
S9-6	303+25	29.5' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	806.32	802.65 12" S			
S9-7	303+25	29.5' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	806.32	802.20 12" S	802.20 12" N		
S9-8	303+25	36.1' RT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	806.71	801.70 12" S	802.00 12" N	802.48 12" W	801.70 12" E
S9-9	303+25	53.4' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"		801.50 12" N			
S9-10	303+95	29.5' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	805.80	802.68 12" S			
S9-11	303+95	3.5' LT	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	806.46	802.52 12" S	802.52 12" N		
S9-12	303+95	29.5' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	805.80	802.22 12" SW	802.32 12" N		
S9-13	303+91	36.0' RT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	806.19	802.18 12" W	802.18 12" NE		
S9-14	303+79	65.0' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"		799.00 24" S			
S9-15	305+20	40.6' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	804.64	800.95 12" S			
S9-16	305+20	29.5' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	804.64	800.25 12" SW	800.25 12" N		
S9-17	305+20	55.0' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"		800.00 12" N			
S9-18	303+89	73.5' RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	804.50	798.50 18" S	798.80 24" N		
S9-18A	303+78	88.8' RT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	801.50	798.25 18" E	798.25 18" N		
S9-19	304+00	88.5' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"		798.00 18" W			
S9-19A	304+15	85.0' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"		796.30 48" N			
S9-20A	304+14	65.5' RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	805.50	796.50 48" S	799.35 48" N		
S9-20	304+28	84.9' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"		798.00 18" NE			
S9-21	304+85	64.0' RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	804.50	798.50 18" SW	798.50 24" E		
S9-22	305+03	62.0' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"		798.58 24" W			
S9-23	306+05	40.5' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	803.99	800.76 12" S			
S9-24	306+05	29.5' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	804.23	800.33 12" S	800.43 12" N		
S9-25	306+25	36.1' RT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	804.87	800.16 15" E	800.29 12" N		
S9-26	307+15	45.0' LT	INLETS, TYPE A, TYPE 8 GRATE	802.75	800.59 12" S			
S9-27	307+15	34.7' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	803.63	800.53 12" W	800.53 12" N		
S9-28	307+00	35.6' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	803.64	800.36 12" S	800.46 12" E		
S9-29	307+00	7.5' LT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	804.18	800.24 12" S	800.24 12" N		
S9-30	307+00	2.7' RT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	804.28	800.19 12" S	800.19 12" N		
S9-31	307+00	29.5' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	803.74	799.97 12" S	800.49 12" E	800.07 12" N	
S9-32	307+15	29.5' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	803.73	800.56 12" W			
S9-33	307+00	36.1' RT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	804.13	799.86 15" S	799.93 12" N	799.86 15" W	
S9-34	307+00	52.0' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"		799.80 15" N			
S9-35	307+36	55.7' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 24"		799.93 19X30" NE			
S9-36	307+50	39.1' RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	804.17	799.97 19X30" SW	799.97 19X30" E		

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS			
S12-1	316+54	40.4' LT	INLETS, TYPE A, TYPE 8 GRATE	811.17	808.65 12" S			
S12-2	316+54	31.8' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	812.16	808.60 12" S	808.60 12" N	808.70 12" E	
S12-3	316+62	45.4' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	812.18	807.73 15" SW	808.25 12" N	807.98 12" E	
S12-4	317+85	32.9' LT	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	814.11	809.99 12" W			
S12-5	318+37	3.9' RT	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	814.91	811.92 12" S			
S12-6	318+35	33' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	814.23	810.50 12" SW	810.82 12" N		
S12-7	316+51	52.8' RT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	812.74	805.29 EX 15" W	807.20 15" NE		

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS			
S10-1	307+85	51.5' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"		800.11 18" N			
S10-2	307+85	30.2' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	803.91	800.79 12" S			
S10-3	307+85	29.5' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	803.92	800.51 12" S	800.51 12" N		
S10-4	307+85	38.9' RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	804.28	800.07 19X30" W	800.07 18" E	800.47 12" N	800.07 18" S
S10-5	308+50	39.0' RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	804.61	800.15 18" W	800.41 15" E	800.84 12" N	
S10-6	308+55	29.5' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	804.27	801.14 12" S	801.14 12" E		
S10-7	308+50	29.5' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	804.25	800.88 12" S	800.88 12" N		
S10-8	309+25	39' RT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	804.98	800.70 15" W	800.70 15" N		
S10-9	309+25	29.5' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	804.62	800.83 15" S	800.83 12" E		
S10-10	309+18	29.5' LT	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	804.59	801.41 12" W			
S10-11	309+91	29.5' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	804.95	801.32 12" W	801.32 12" NE	801.32 12" E	
S10-12	310+11	7.5' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	805.41	801.63 12" SW	801.63 12" SE	801.63 12" N	
S10-13	310+10	51.0' LT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	804.73	802.36 12" S			
S10-14	310+22	7.5' RT	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	805.47	801.72 12" NW			
S10-15	311+98	37.4' RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	806.01	802.14 24" SW	802.23 15" N	802.96 EX 18" E	
S10-16	310+70	51.0' LT	INLETS, TYPE A, TYPE 8 GRATE	803.75	802.03 12" S			
S10-17	310+70	40.5' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	805.12	801.97 12" SW	801.97 12" N		
S10-18	310+57	29.5' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	805.27	801.63 12" W	801.63 12" NE	801.72 12" E	
S10-19	311+40	40.5' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	805.48	802.36 12" SW			
S10-20	311+27	29.5' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	805.62	802.03 12" W	802.03 12" NE		
S10-21	311+75	51.6' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"		802.10 24" NE			
S10-22	311+98	29.5' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	805.99	802.26 15" S	802.26 15" NE		

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS			
S11-1	312+06	36.4' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	805.88	802.76 12" S	802.76 12" E		
S11-2	312+05	7.5' LT	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	806.46	802.63 12" S	802.63 12" N		
S11-3	312+05	7.5' RT	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	806.46	802.57 12" S	802.57 12" N		
S11-4	312+05	22' RT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	806.17	802.30 15" SW	802.50 12" N	802.50 12" E	
S11-5	312+95	31' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	806.64	803.52 12" W	803.52 12" NE		
S11-6	313+05	29.5' RT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	806.78	803.66 12" W			
S11-7	314+22	29.5' LT	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	808.76	805.59 12" SW			
S11-8	314+22	34.3' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	808.60	804.58 15" SW	804.83 12" NE		
S11-9 ex	314+20	40.8' RT	EXISTING MANHOLE	809.06	803.29 EX 18" W	804.40 15" NE	803.38 EX 15" E	
S11-10	313+63	47.3' LT	INLETS, TYPE A, TYPE 8 GRATE	805.54	803.87 12" SW			

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

DRAINAGE SCHEDULE

SCALE: _____ STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	77
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)	

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 10/9/2017
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PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P1-1	S1-1	S1-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	7	0.57%	1.9
P1-2	S1-2	S1-7	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	84	0.51%	25.8
P1-3	S1-6	S1-7	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	6	2.17%	1.9
P1-4	S1-5	S1-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	15	2.20%	0.5
P1-5	S1-3	S1-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	19	1.00%	3.2
P1-6	S1-4	S1-9	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 48"	84	0.07%	123.1
P1-7	S1-7	S1-8	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	33	0.62%	11.1
P1-8	S1-8	S1-9	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	17	0.60%	1.1
P1-9	S1-9	S1-12	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 48"	106	0.06%	135.7
P1-10	S1-10	S1-11	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	33	1.13%	10.2
P1-11	S1-11	S1-12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	19	1.06%	2.5
P1-12	S1-12	S1-15	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 48"	100	0.06%	152.9
P1-13	S1-13	S1-14	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	33	0.92%	9.4
P1-14	S1-14	S1-15	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 1/2"	19	0.94%	2.8

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P2-1	S1-15	S2-4	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 48"	118	0.09%	163.7
P2-2	S2-1	S2-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	14	0.43%	0.7
P2-3	S2-2	S2-3	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	35	0.37%	12.7
P2-4	S2-3	S2-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	19	0.37%	0.0
P2-5	S2-4	S2-7	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 30"	95	0.17%	106.9
P2-6	S2-5	S2-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	33	0.46%	8.5
P2-7	S2-6	S2-7	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	19	0.46%	0.0
P2-8	S2-7	S2-11	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	152	0.26%	87.2
P2-9	S2-8	S2-9	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	10	0.60%	1.0
P2-10	S2-9	S2-10	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	34	0.26%	12.2
P2-11	S2-10	S2-11	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	19	0.26%	6.3
P2-12	S2-11	S2-12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	16	0.13%	0.0
P2-13	S2-13	S2-14	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	43	0.93%	13.6
P2-14	S2-15	S2-16	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	31	10.03%	0.0
P2-15	S2-16	S2-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	28	0.46%	7.6
P2-16	S2-17	S2-13	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	26	1.92%	1.5
P2-17	S2-18	S2-17	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	75	0.67%	10.5

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P3-2	S2-14	S3-15	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	190	3.54%	60.6
P3-3	S3-2	S3-15	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	48	0.50%	13.1
P3-4	S3-15	S3-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	110	4.13%	33.3
P3-5	S3-4	S3-16	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 60"	110	0.91%	237.6
P3-6	S3-6	S3-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	30	0.47%	8.2
P3-7	S3-5	S3-16	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	48	0.54%	18.0
P3-8	S3-16	S3-17	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 72"	90	0.50%	198.8
P3-9	S3-8	S3-11	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	112	1.55%	21.7
P3-10	S3-9	S3-17	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	48	0.92%	13.7
P3-11	S3-17	S3-12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 3 72"	37	0.46%	170.7
P3-12	S3-12	S4-11	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 3 72"	122	0.52%	426.2
P3-13	S3-13	S3-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	24	3.75%	2.8
P3-14	S3-14	S3-9	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	61	2.80%	1.6
P3-15	S3-3	S3-15	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	6	1.33%	1.7
P3-16	S3-7	S3-16	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	11	0.91%	4.1
P3-17	S3-10	S3-17	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	11	1.36%	3.3

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P4-1	S4-1	S4-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	59	2.00%	24.2
P4-2	S4-11	S4-12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 72"	154	0.33%	471.0
P4-3	S4-3	S4-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	59	2.00%	25.6
P4-4	S4-12	S4-13	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 72"	227	0.04%	687.8
P4-5	S4-5	S4-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	59	0.90%	16.4
P4-6	S4-13	S4-7	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	27	0.19%	31.8
P4-7	S4-7	O-6A	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	39	7.18%	11.3
P4-8	S4-8	S4-9	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	59	1.48%	23.1
P4-9	S4-9	S4-10	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	22	1.48%	9.1
P4-10	S4-10	O-6B	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	20	0.50%	0.0
P4-11	S5-3	S4-10	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 72"	73	0.04%	160.3
P4-12	S4-2	S4-11	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	10	0.60%	5.1
P4-13	S4-4	S4-12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	10	5.00%	5.6
P4-14	S4-6	S4-13	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	10	0.90%	3.4

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P5-1	S5-4	S5-1	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	41	0.73%	11.9
P5-2	S5-1	S5-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	59	0.59%	23.1
P5-3	S5-2	S5-3	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	18	0.56%	8.3
P5-4	S5-6	S5-3	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 72"	79	0.41%	152.7
P5-5	S5-5	S5-6	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	19	0.47%	4.8
P5-6	S5-7	S5-10	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	30	1.00%	12.6
P5-7	S5-9	S5-8	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	23	0.48%	3.9
P5-8	S5-8	S5-10	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	11	0.45%	2.0
P5-9	S5-10	S5-11	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	30	0.75%	13.7
P5-10	S5-12	S5-17	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	14	0.79%	2.3
P5-11	S5-17	S5-18	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	167	2.55%	70.6
P5-12	S5-13	S5-14	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	59	0.50%	16.0
P5-13	S5-18	S5-19	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	165	5.15%	56.8
P5-14	S5-15	S5-16	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	59	0.45%	14.3
P5-15	S5-19	S6-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	165	5.19%	55.9
P5-16	S5-11	S5-17	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	10	0.75%	5.1
P5-17	S5-14	S5-18	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	10	0.66%	3.2
P5-18	S5-16	S5-19	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	8	1.20%	2.6

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P6-1	S6-1	S6-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	22	0.47%	6.3
P6-2	S6-2	S6-3	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	15	0.47%	1.3
P6-3	S6-3	S6-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	22	0.50%	6.7
P6-4	S6-4	S6-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	6	0.50%	1.9
P6-5	S6-6	S6-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	22	3.41%	4.7
P6-6	S6-5	S6-10	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	206	3.77%	46.7
P6-7	S6-10	S6-9	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	34	2.56%	13.8
P6-8	S6-8	S6-9	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	26	1.27%	8.5
P6-9	S6-9	S6-12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	144	3.85%	63.2
P6-10	S6-13	S6-12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	43	1.67%	13.9
P6-11	S6-12	S6-11	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	26	3.62%	9.8
P6-12	S6-11	S7-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	102	2.80%	69.0

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P7-1	S7-1	S7-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	7	0.57%	2.1
P7-2	S7-3	S7-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	21	1.00%	11.2
P7-3	S7-5	S7-3	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	51	2.65%	20.9
P7-4	S7-4	S7-5	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	28	3.21%	4.0
P7-5	S7-2	S7-8	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	116	1.03%	71.9
P7-6	S7-6	S7-7	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	22	3.18%	7.4
P7-7	S7-7	S7-8	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	10	0.50%	5.0
P7-8	S7-8	S7-10	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	39	2.72%	26.6
P7-9	S7-9	S7-10	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	20	0.45%	5.5
P7-10	S7-11	S7-10	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	48	3.06%	15.9
P7-11	S7-10	S7-12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	135	0.41%	83.4
P7-12	S7-13	S7-12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	44	4.55%	12.8
P7-13	S7-12	S8-1	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	107	1.71%	64.7

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P8-1	S8-3	S8-1	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	41	2.80%	10.4
P8-2	S8-2	S8-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	53	1.81%	16.3
P8-3	S8-4	S8-23	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	37	1.77%	22.0
P8-4	S8-1	S8-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	125	0.20%	75.6
P8-5	S8-5	S8-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 30"	36	0.28%	19.8
P8-6	S8-6	S8-7	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 30"	23	0.22%	21.3
P8-7	S8-7	S8-8	STORM SEWER (WATER MAIN REQUIREMENTS) 30 INCH	29	0.66%	24.3
P8-8	S8-9	S8-8	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	17	1.65%	0.0
P8-9	S8-8	S8-10	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 30"	29	0.62%	0.0
P8-10	S8-11	S8-12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	59	0.44%	12.9
P8-11	S8-12	S8-13	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	7	1.00%	0.8
P8-12	S8-13	S8-16	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	100	0.80%	0.0
P8-13	S8-14	S8-15	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	59	0.51%	14.1
P8-14	S8-15	S8-16	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	7	2.14%	0.6
P8-15	S8-16	S8-17	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	19	6.26%	0.0
P8-16	S8-18	S8-19	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	22	0.44%	6.2
P8-17	S8-19	S8-20	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	37	0.44%	9.4
P8-18	S8-20	S8-21	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	22	2.82%	0.9
P8-19	S8-22	S9-1	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	20	8.75%	0.0

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P9-1	S9-1	S9-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	20	1.25%	0.0
P9-2	S9-2	S9-3	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	59	0.53%	16.1
P9-3	S9-3	S9-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	7	1.22%	0.8
P9-4	S9-4	S9-8	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	90	0.70%	0.0
P9-5	S9-6	S9-7	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	59	0.76%	19.5
P9-6	S9-7	S9-8	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	7	2.86%	0.8
P9-7	S9-13	S9-8	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	66	0.73%	0.0
P9-8	S9-8	S9-9	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	18	1.11%	0.0
P9-9	S9-14	S9-18	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	8	2.50%	0.0
P9-10	S9-18	S9-18A	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	15	1.67%	0.0
P9-11	S9-21	S9-20	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	60	0.83%	0.0
P9-12	S9-10	S9-11	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	26	0.60%	7.6
P9-13	S9-11	S9-12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	33	0.60%	10.3
P9-14	S9-12	S9-13	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE			

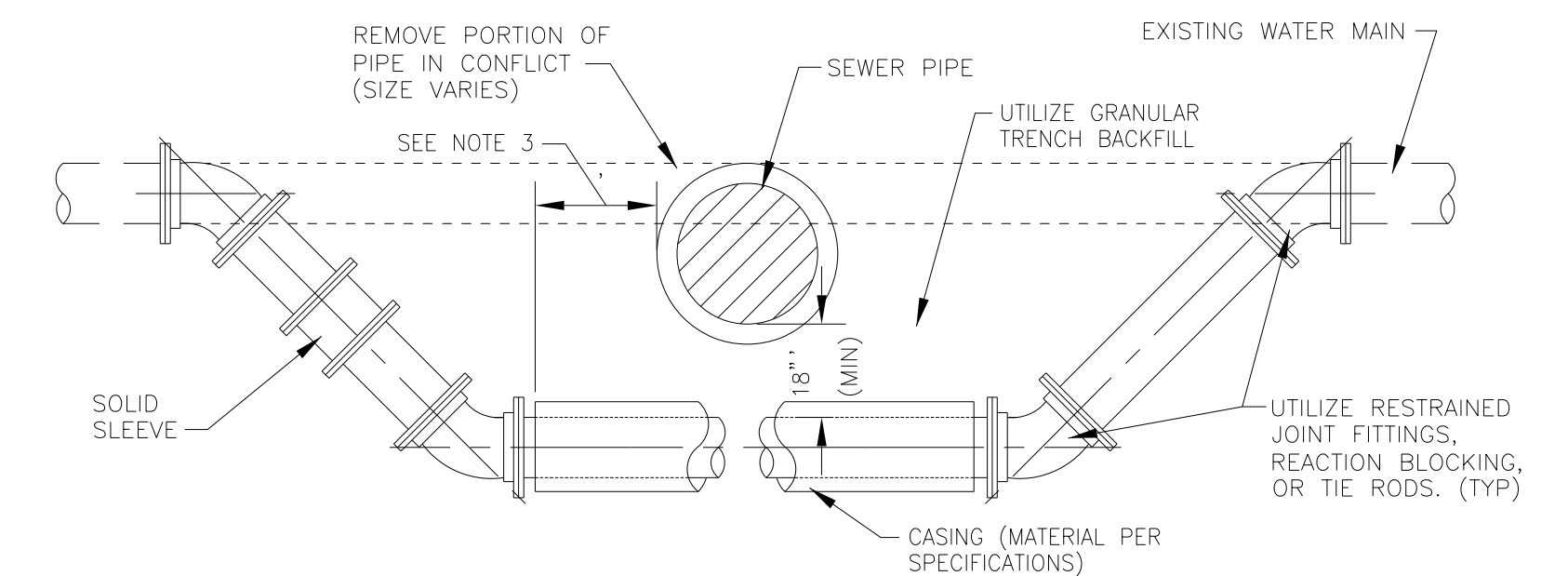
PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P10-1	S10-4	S9-36	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	35	0.29%	0.0
P10-2	S10-1	S10-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	13	0.31%	0.0
P10-3	S10-2	S10-3	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	60	0.47%	15.9
P10-4	S10-3	S10-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	9	0.44%	0.7
P10-5	S10-5	S10-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	65	0.12%	0.0
P10-6	S10-8	S10-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	75	0.39%	0.0
P10-7	S10-6	S10-7	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	59	0.44%	15.6
P10-8	S10-7	S10-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	10	0.40%	0.6
P10-9	S10-10	S10-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	62	0.44%	15.7
P10-10	S10-9	S10-8	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	10	1.30%	0.8
P10-11	S10-11	S10-9	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	66	0.74%	20.6
P10-12	S10-13	S10-12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	44	1.65%	10.8
P10-13	S10-16	S10-17	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	11	0.55%	0.4
P10-14	S10-12	S10-11	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	42	0.74%	13.1
P10-15	S10-18	S10-11	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	66	0.47%	20.1
P10-16	S10-14	S10-12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	19	0.46%	2.0
P10-17	S10-20	S10-18	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	70	0.45%	20.8
P10-18	S10-17	S10-18	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	71	0.48%	17.6
P10-19	S10-19	S10-20	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	71	0.46%	17.3
P10-20	S10-15	S10-21	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	27	0.15%	0.0
P10-21	S10-22	S10-15	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	8	0.37%	0.7

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P11-1	S11-4	S10-22	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	10	0.40%	3.3
P11-2	S11-1	S11-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	29	0.44%	8.4
P11-3	S11-2	S11-3	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	15	0.44%	1.4
P11-4	S11-3	S11-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	15	0.44%	4.8
P11-5	S11-5	S11-1	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	89	0.85%	22.2
P11-6	S11-6	S11-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	101	1.15%	28.1
P11-7	S11-7	S11-8	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	64	1.19%	17.5
P11-8	S11-8	S11-9 ex	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	7	2.57%	0.8
P11-9	S11-10	S11-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	71	0.49%	12.3

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P12-1	S12-1	S12-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	9	0.56%	0.5
P12-2	S12-2	S12-3	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	78	0.45%	24.6
P12-3	S12-3	S12-7	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	13	4.08%	6.1
P12-4	S12-4	S12-2	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	131	0.98%	39.4
P12-5	S12-6	S12-3	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	174	1.45%	55.3
P12-6	S12-5	S12-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	29	3.79%	7.5

PIPE UNDERDRAINS, TYPE 2, 4"				
STATION	STRUCTURE	TO STRUCTURE	LENGTH (FT)	
263+50	CL	S1-10	17.7	
263+50	CL	S1-11	17.2	
266+63	CL	S2-8	16.6	
266+63	CL	S2-9	16.4	
271+90	CL	S3-4	26.7	
271+90	CL	S3-5	26.7	
276+55	CL	S4-1	29.5	
276+55	CL	S4-2	34.0	
281+90	CL	S5-1	29.6	
281+90	CL	S5-2	29.5	
286+80	CL	S5-15	29.5	
286+80	CL	S5-16	29.5	
291+95	S6-10	S6-9	26.0	
291+95	S6-11	S6-10	33.0	
291+95	S6-11	S6-12	11.0	
297+00	S8-3	S8-1	40.0	
296+93	23.6' RT	S8-3	25.0	
302+35	CL	S9-2	29.4	
302+35	CL	S9-3	29.5	
307+00	S9-29	S9-28	28.0	
307+00	S9-30	S9-31	27.0	
311+40	CL	S10-19	40.5	
311+27	CL	S10-20	29.5	
316+54	5.7' LT	S12-2	26.1	
316+62	5.7' LT	S12-3	51.1	
TOTAL =			699.0	

STATION	OFFSET	PIPE	RIPRAP CLASS	RIPRAP AREA (SY)	FABRIC AREA (SY)
268+16	52.0' RT	P2-14	STONE RIPRAP, CLASS A3	22.0	22.0
281+01	66.2' RT	6X4	STONE RIPRAP, CLASS A4	56.0	56.0
298+83	59.0' RT	P8-9	STONE RIPRAP, CLASS A4	39.0	39.0
300+50	54.9' RT	P8-15	STONE RIPRAP, CLASS A3	8.0	8.0
301+50	52.0' RT	P8-18	STONE RIPRAP, CLASS A3	8.0	8.0
302+21	58.9' RT	P9-1	STONE RIPRAP, CLASS A3	9.0	9.0
303+25	53.4' RT	P9-8	STONE RIPRAP, CLASS A3	9.0	9.0
304+00	88.5' RT	P9-30	STONE RIPRAP, CLASS A3	16.0	16.0
304+15	85.0' RT	P9-32	STONE RIPRAP, CLASS A4	13.0	13.0
304+28	84.9' RT	P9-11	STONE RIPRAP, CLASS A3	16.0	16.0
305+20	55.0' RT	P9-17	STONE RIPRAP, CLASS A3	8.0	8.0
307+00	52.0' RT	P9-21	STONE RIPRAP, CLASS A3	9.0	9.0
307+36	55.7' RT	P9-29	STONE RIPRAP, CLASS A3	28.0	28.0
311+75	51.6' RT	P10-20	STONE RIPRAP, CLASS A3	22.0	22.0



- NOTE: 1. WATER MAIN RELOCATIONS ARE SUBJECT TO INSPECTION AT NORMAL SYSTEM PRESSURE BEFORE BURIAL.
 2. USE ONLY 45 DEGREE BENDS UNLESS OTHERWISE PERMITTED BY THE ENGINEER.
 3. CASING MUST EXTEND A MINIMUM OF 10 FEET BEYOND OUTSIDE EDGE OF SEWER PIPE - ON BOTH SIDES OF SEWER.

ADJUSTING WATER MAIN
NO SCALE

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-00121 - EXPIRES 4/30/2017
 10/9/2017
 I:\CrystallLake\WUUNV\40879-SHT-Drain-Schedule.dgn



DESIGNED -	AMM	REVISED -	
DRAWN -	UKB	REVISED -	
CHECKED -	DTH	REVISED -	
DATE -	10-09-17	FILE -	140879SHT-Drain-Schedule.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCHEDULE AND
WATER MAIN ADJUSTING DETAIL

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	79
				CONTRACT NO. 61C86
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				

PART OF SECTIONS 16 & 21, TOWNSHIP 42 NORTH, RANGE 8, EAST OF THIRD PRINCIPAL MERIDIAN, IN KANE COUNTY, ILLINOIS

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0006 0006TE	3.472	0.244	0.158	3.228	0.021	900	03-16-326-009
0007 0007TE	3.399	0.926	0.544	2.473	0.267	11,631	03-16-376-002
0008 0008TE	67.062	0.201	0.124	66.861	0.021	908	03-16-326-011
0009	0.083	0.025	N/A	0.058	-	-	03-21-126-001

Existing & Proposed Pavement
Huntley Road
Curve #1

P.I. = Sta. 280+25.96
 Δ = 9°13'32"
 R = 3,200.00'
 T = 258.18'
 L = 515.25'
 P.C. = 280.40'
 P.T. = Sta. 282+83.57

Centerline Alignment

Station / Description	Northing	Easting
277+68.34 P.C.-Curve #1	1,983,142.16	990,517.98
280+25.96 P.I.-Curve #1	1,982,991.71	990,727.78
282+83.57 P.T.-Curve #1	1,982,809.54	990,910.75

PROJECT COORDINATES
 Illinois State Plane, Ease Zone, NAD 83 (2011)

Proposed Right-of-Way/Easement

Station / Description	Northing	Easting
275+13.82 49.98' Lt. Right-of-Way	1,983,331.13	990,340.29
276+65.85 50.07' Lt. Easement	1,983,242.60	990,463.88
276+65.85 80.07' Lt. Easement	1,983,266.97	990,461.36
276+95.85 80.09' Lt. Easement	1,984,125.99	989,069.94
276+95.85 50.09' Lt. Easement	1,984,125.99	989,069.94
277+38.46 50.11' Lt. Right-of-Way	1,984,125.99	989,069.94

Proposed Right-of-Way/Easement

Station / Description	Northing	Easting
281+30.24 44.82' Lt. Right-of-Way	1,982,948.33	990,829.60
282+53.12 44.85' Lt. Easement	1,982,863.01	990,920.40
282+53.29 81.35' Lt. Easement	1,982,874.69	990,932.06
283+07.71 81.52' Lt. Easement	1,982,836.11	990,971.25
283+07.68 45.02' Lt. Easement	1,982,824.43	990,959.60
283+35.31 44.88' Lt. Right-of-Way	1,982,804.84	990,979.08

Proposed Right-of-Way

Station / Description	Northing	Easting
275+71.48 55.52' Rt.	1,983,201.01	990,340.68
276+87.40 55.54' Rt.	1,983,144.23	990,419.84
280+58.37 60.40' Rt.	1,982,917.01	990,706.19
280+58.33 65.40' Rt.	1,982,913.25	990,702.89
280+81.22 65.53' Rt.	1,982,898.43	990,719.71
280+81.14 80.53' Rt.	1,982,887.20	990,709.76
281+26.23 80.71' Rt.	1,982,857.85	990,742.49
281+26.28 65.71' Rt.	1,982,868.95	990,752.57
282+39.60 65.71' Rt.	1,982,793.16	990,833.65

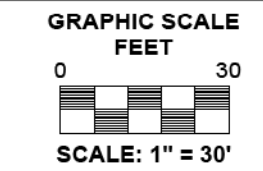
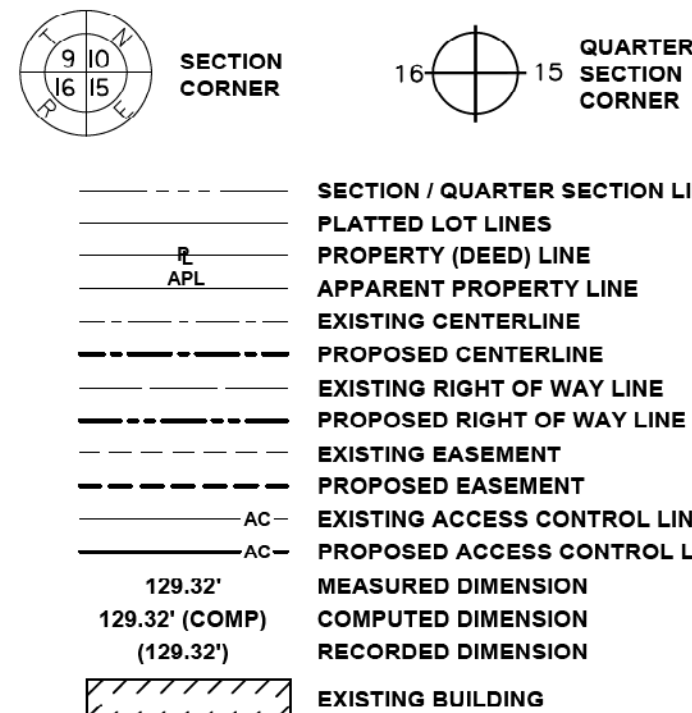
Proposed Temporary Easement

Station / Description	Northing	Easting
276+11.65 85.55' Rt.	1,983,163.99	990,340.79
276+99.96 85.56' Rt.	1,983,112.50	990,412.55
277+00.00 75.56' Rt.	1,983,120.61	990,418.41
277+50.12 79.41' Rt.	1,982,970.30	990,612.74
279+50.00 89.41' Rt.	1,982,962.59	990,606.37
280+81.08 90.53' Rt.	1,982,879.72	990,703.13

Proposed Right-of-Way

Station / Description	Northing	Easting
282+50.09 55.38' Rt.	1,982,793.39	990,848.24
283+65.81 55.51' Rt.	1,982,712.18	990,929.86

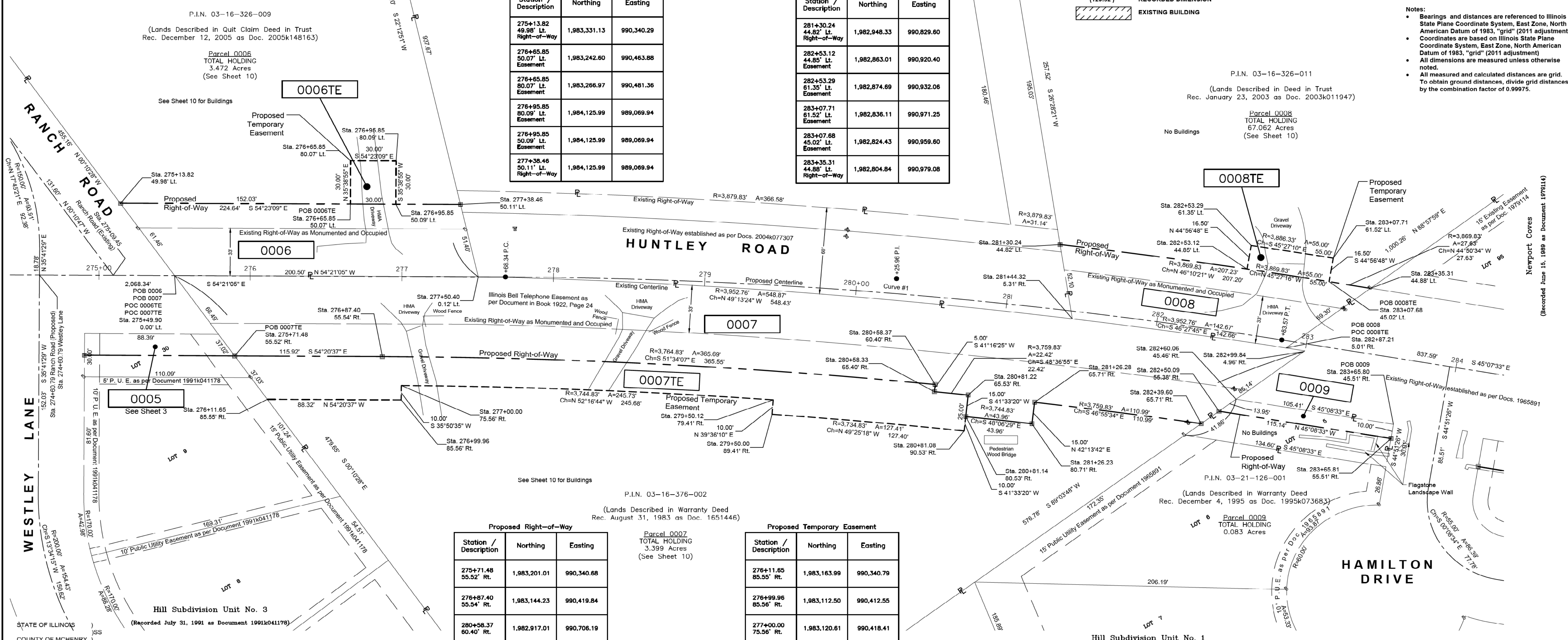
LEGEND



- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

Notes:

- Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
- Coordinates are based on Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
- All dimensions are measured unless otherwise noted.
- All measured and calculated distances are grid. To obtain ground distances, divide grid distances by the combination factor of 0.99975.



THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHINI, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 16 & 21 TOWNSHIP 42 NORTH, RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CRYSTAL LAKE, ILLINOIS THIS 28TH DAY OF SEPTEMBER, 2016 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

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

"LICENSE EXPIRES 11-30-2016"

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

REVISION DATE: 09/28/2016
 REVISION DATE: 12/10/2015
 REVISION DATE: 11/30/2015
 REVISION DATE: 10/30/2015

REVISION MADE BY: AEB
 REVISION MADE BY: AEB
 REVISION MADE BY: AEB
 REVISION MADE BY: AEB

BAXTER & WOODMAN
 Consulting Engineers
 8676 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
 PHONE: 815-459-1200 • FAX: 815-453-0450

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 FAU 1283 / HUNTLEY ROAD

LIMITS: SLEEPY HOLLOW RD. TO ELM AVE. COUNTY: KANE
 SECTION: 14-00057-00-WR JOB NO.: R-55-001-97
 STA. 274+50 TO STA. 284+00
 SCALE: 1" = 30'

SHEET 4 OF 11 SHEETS

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

F.A.U. RT. SECTION COUNTY TOTAL SHEETS SHEET NO.
 1283 14-00057-00-WR KANE 173 83

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)
 CONTRACT NO. 61C86

PART OF SECTION 21, TOWNSHIP 42 NORTH, RANGE 8, EAST OF THIRD PRINCIPAL MERIDIAN, IN KANE COUNTY, ILLINOIS

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0011 0011TE	3.006	0.110	N/A	2.896	0.016	707	03-21-251-012
0012 0012TE	21.039	1.732	N/A	19.307	0.008	350	03-21-251-013

PROJECT COORDINATES

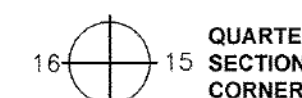
Illinois State Plane, East Zone, NAD 83 (2011)

Station / Description	Northing	Easting
294+43.60 P.I.-Curve #2	1,981,979.37	991,744.57
297+65.99 P.T.-Curve #2	1,981,971.19	992,083.51

LEGEND



SECTION CORNER



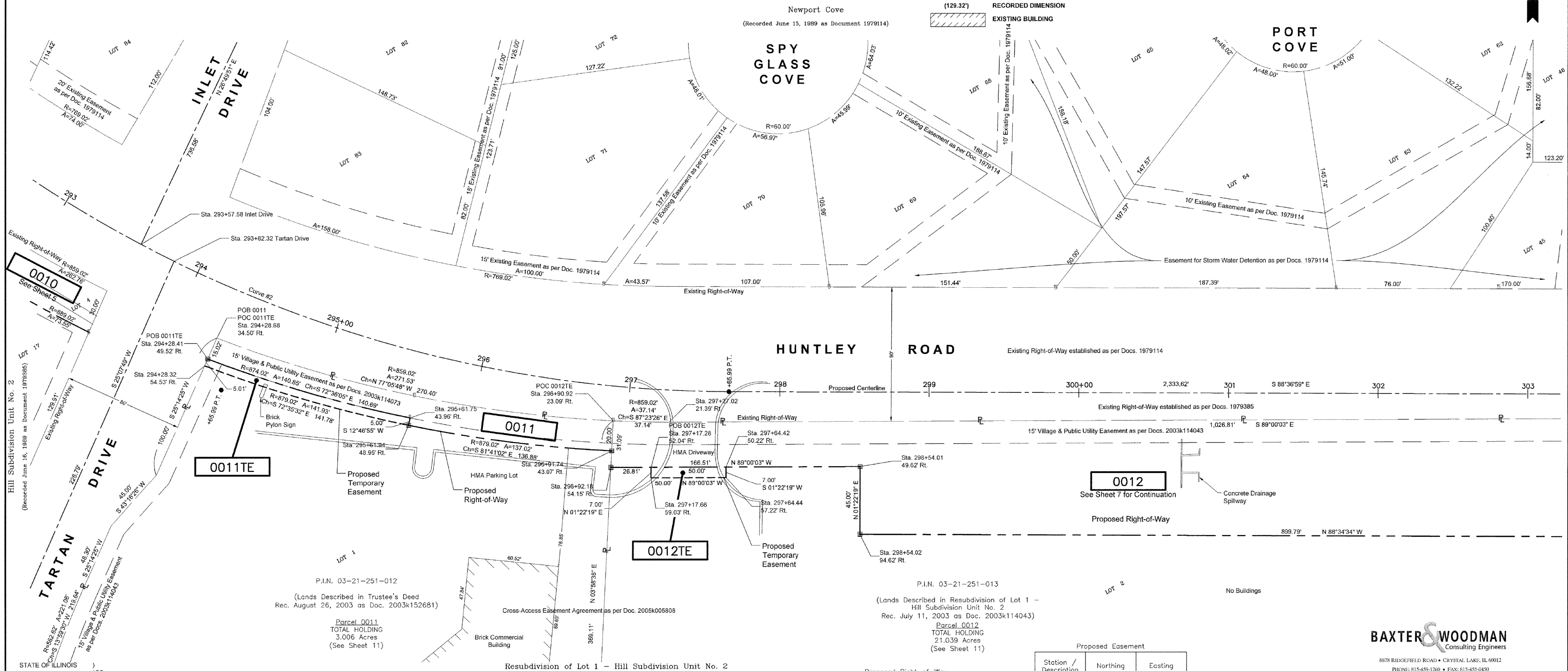
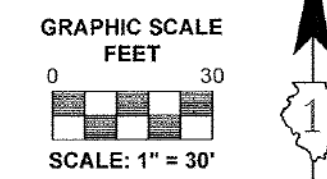
QUARTER SECTION CORNER

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- 128.32' MEASURED DIMENSION
- 129.32' (COMP) MEASURED DIMENSION
- 128.32' (128.32) RECORDED DIMENSION
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- ⊞ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
- ⊞ STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- ⊞ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

Notes:

- Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
- Coordinates are based on Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
- All dimensions are measured unless otherwise noted.
- All measured and calculated distances are grid. To obtain ground distances, divide grid distances by the combination factor of 0.99975.



THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHINI, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 16 & 21 TOWNSHIP 42 NORTH, RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CRYSTAL LAKE, ILLINOIS THIS 30TH DAY OF NOVEMBER, 2015 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

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

"LICENSE EXPIRES 11-30-2016"

Proposed Right-of-Way

Station / Description	Northing	Easting
294+28.41 49.52' Rt.	1,982,000.17	991,735.97
295+61.75 43.96' Rt.	1,981,958.10	991,870.23
295+61.94 48.95' Rt.	1,981,953.22	991,869.12
296+91.74 43.07' Rt.	1,981,933.42	992,004.56

Proposed Easement

Station / Description	Northing	Easting
294+28.32 54.53' Rt.	1,981,995.64	991,733.84
295+61.94 48.95' Rt.	1,981,953.22	991,869.12

Proposed Right-of-Way

Station / Description	Northing	Easting
296+92.18 54.15' Rt.	1,981,922.36	992,003.79
298+54.01 49.62' Rt.	1,981,919.46	992,170.31
298+54.02 94.62' Rt.	1,981,874.47	992,169.23

Proposed Easement

Station / Description	Northing	Easting
297+17.28 52.04' Rt.	1,981,921.89	992,030.60
297+17.66 59.03' Rt.	1,981,914.50	992,030.44
297+64.44 57.22' Rt.	1,981,914.02	992,080.43
297+64.42 50.22' Rt.	1,981,921.02	992,080.60

"FOR INFORMATION ONLY"

REVISION DATE: 11/30/2015 REVISION MADE BY: AEB
REVISION DATE: 10/30/2015 REVISION MADE BY: AEB

IDOT USE ONLY

BAXTER & WOODMAN
Consulting Engineers
8578 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
PHONE: 815-459-1260 • FAX: 815-455-0450

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAU 1283 / HUNTLEY ROAD

LIMITS: Sleepy Hollow Rd. to Elm Ave. COUNTY: KANE
SECTION: 14-00057-00-WR JOB NO.: R-55-001-97
STA. 293+50 TO STA. 303+00
SCALE: 1" = 30' SHEET 6 OF 11 SHEETS

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

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STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-00121 - EXPIRES 4/30/2017
10/9/2017

DESIGNED - DSH
DRAWN - UKB
CHECKED - DTH
DATE - 10-09-17

REVISED -
REVISED -
REVISED -
FILE - 140879_Hwy-Plats.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

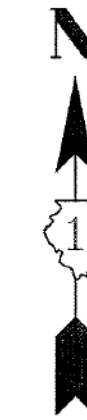
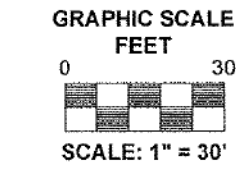
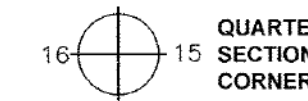
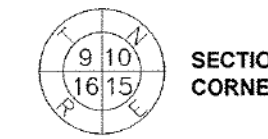
SCALE: NONE STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	85
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				

PART OF SECTION 21, TOWNSHIP 42 NORTH, RANGE 8, EAST OF THIRD PRINCIPAL MERIDIAN, IN KANE COUNTY, ILLINOIS

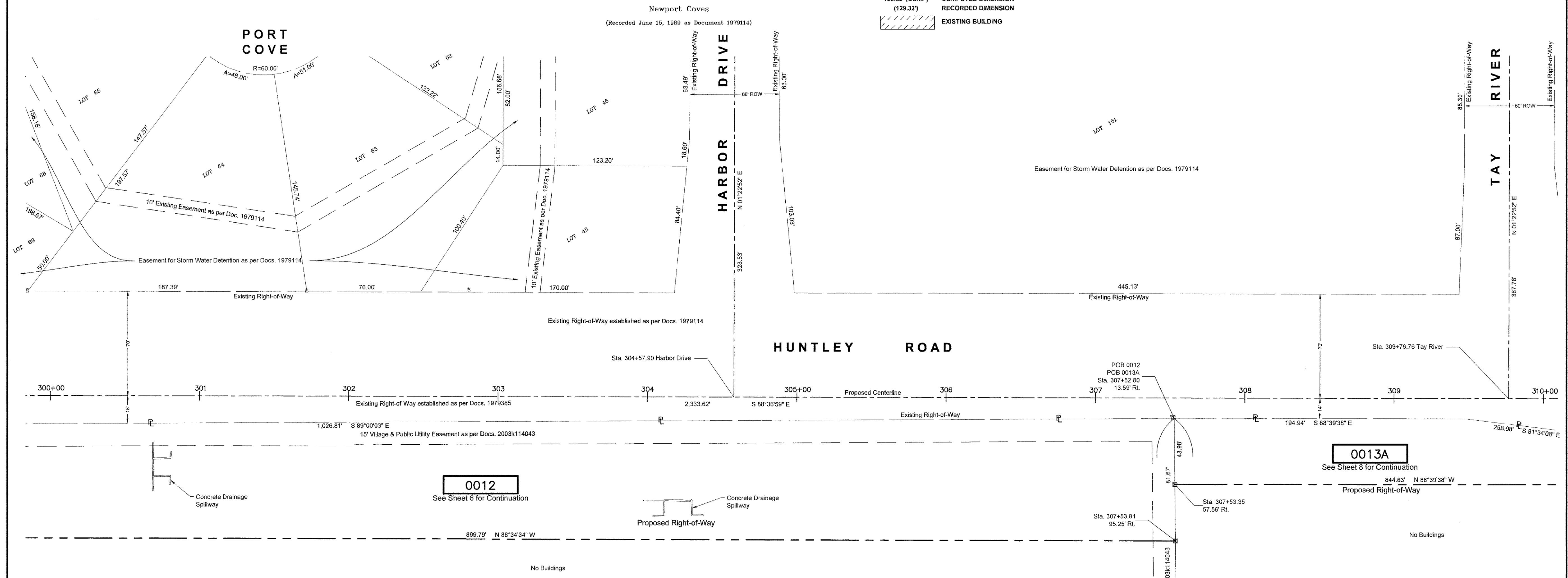
PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0012 00121E	21.039	1.732	N/A	19.307	0.008	350	03-21-251-013
0013A 0013B	10.648	0.449 (205 sq.ft.)	N/A	10.194	-	-	03-21-229-012 03-21-229-021

LEGEND



- Notes:
- Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
 - Coordinates are based on Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
 - All dimensions are measured unless otherwise noted.
 - All measured and calculated distances are grid. To obtain ground distances, divide grid distances by the combination factor of 0.99975.

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPLICABLE APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- 129.32' (129.32') MEASURED DIMENSION
- 129.32' (COMP) (129.32') COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- "MAG" NAIL SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET



STATE OF ILLINOIS)
COUNTY OF MCHENRY)

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHIN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 18 & 21, TOWNSHIP 42 NORTH, RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CRYSTAL LAKE, ILLINOIS THIS 30TH DAY OF NOVEMBER, 2015 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

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

LICENSE EXPIRES 11-30-2016

PROJECT COORDINATES
Illinois State Plane, East Zone, NAD 83 (2011)

Station / Description	Northing	Easting
307+53.81 95.25' Rt.	1,981,852.11	993,068.74
307+53.35 57.56' Rt.	1,981,889.80	993,069.19

0012
See Sheet 6 for Continuation

0013A
See Sheet 8 for Continuation

CONTRACT NO. 61C86

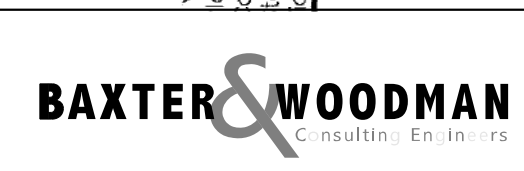
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAU 1283 / HUNTLEY ROAD

LIMITS: Sleepy Hollow Rd. to Elm Ave. COUNTY: KANE
SECTION: 14-00057-00-WR JOB NO.: R-56-001-97
STA. 300+00 TO STA. 310+00 SHEET 7 OF 11 SHEETS
SCALE: 1" = 30'

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

F.A.U. RT. SECTION COUNTY TOTAL SHEETS SHEET NO.
1283 14-00057-00-WR KANE 173 86
CONTRACT NO. 61C86
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)

"FOR INFORMATION ONLY"



DESIGNED - DSH	REVISED -
DRAWN - UKB	REVISED -
CHECKED - DTH	REVISED -
DATE - 10-09-17	FILE - 140879_Hwy-Plats.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: NONE STA. TO STA.

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 LICENSE NO. 184-00121 - EXPIRES 10/9/2017
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PART OF SECTION 21, TOWNSHIP 42 NORTH, RANGE 8, EAST OF THIRD PRINCIPAL MERIDIAN, IN KANE COUNTY, ILLINOIS

LEGEND

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPROXIMATE PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

SECTION CORNER

QUARTER SECTION CORNER

GRAPHIC SCALE
FEET
SCALE: 1" = 80'

IRON PIPE OR ROD FOUND

CUT CROSS FOUND OR SET

"MAG" NAIL SET

5/8" REBAR SET

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

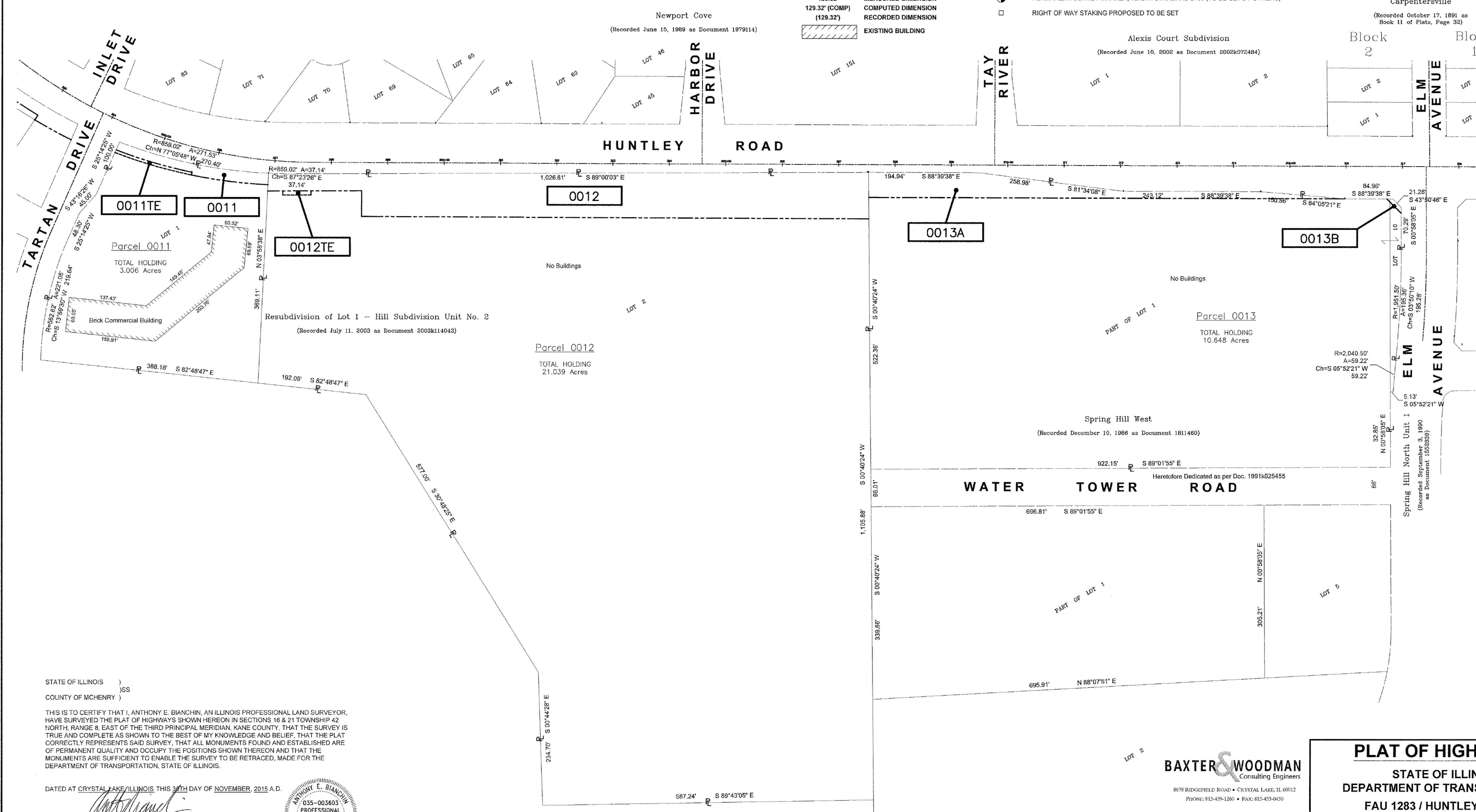
STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.
BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.

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

RIGHT OF WAY STAKING PROPOSED TO BE SET

- Notes:
- Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
 - Coordinates are based on Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
 - All dimensions are measured unless otherwise noted.
 - All measured and calculated distances are grid. To obtain ground distances, divide grid distances by the combination factor of 0.99976.

Elmwood Addition to Carpentersville
(Recorded October 17, 1891 as Book 11 of Plats, Page 32)



STATE OF ILLINOIS)
COUNTY OF MCHENRY)

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHINI, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 16 & 21 TOWNSHIP 42 NORTH, RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CRYSTAL LAKE, ILLINOIS, THIS 30TH DAY OF NOVEMBER, 2015 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003803
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

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



"LICENSE EXPIRES 11-30-2016"

BAXTER & WOODMAN
Consulting Engineers
8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
PHONE: 815-459-1260 • FAX: 815-453-0450

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAU 1283 / HUNTLEY ROAD

LIMITS: SLEEPY HOLLOW RD. TO ELM AVE. COUNTY: KANE
SECTION: 14-00057-00-WR JOB NO.: R-55-001-97
STA. 309+00 TO STA. 318+00
SCALE: 1" = 80' SHEET 11 OF 11 SHEETS

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

"FOR INFORMATION ONLY"

REVISION DATE: 11/30/2015 REVISION MADE BY: AEB
REVISION DATE: 10/30/2015 REVISION MADE BY: AEB

PLAT OF HIGHWAYS

SCALE: NONE STA. TO STA.

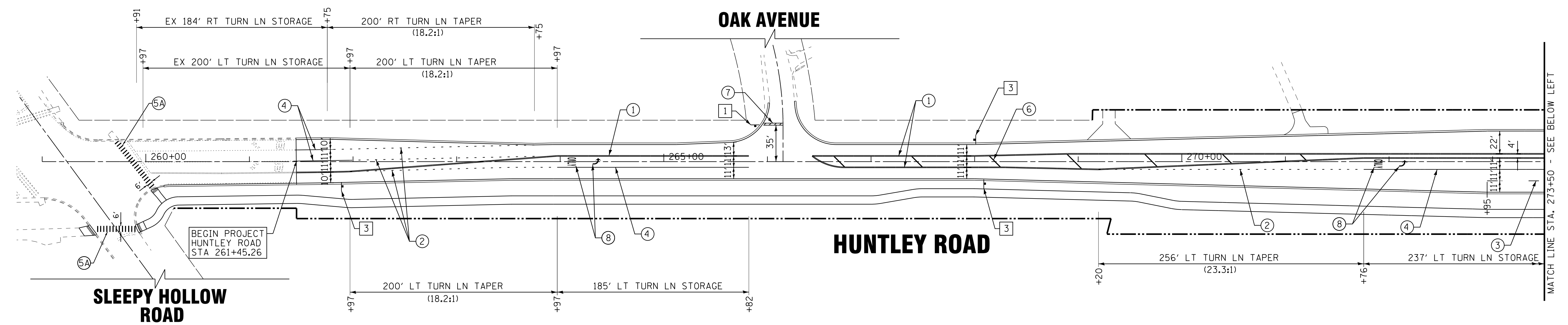
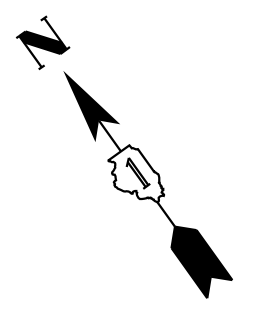
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CHECKED - DTH	REVISED -
DATE - 10-09-17	FILE - 140879-Hwy-Plats.dgn

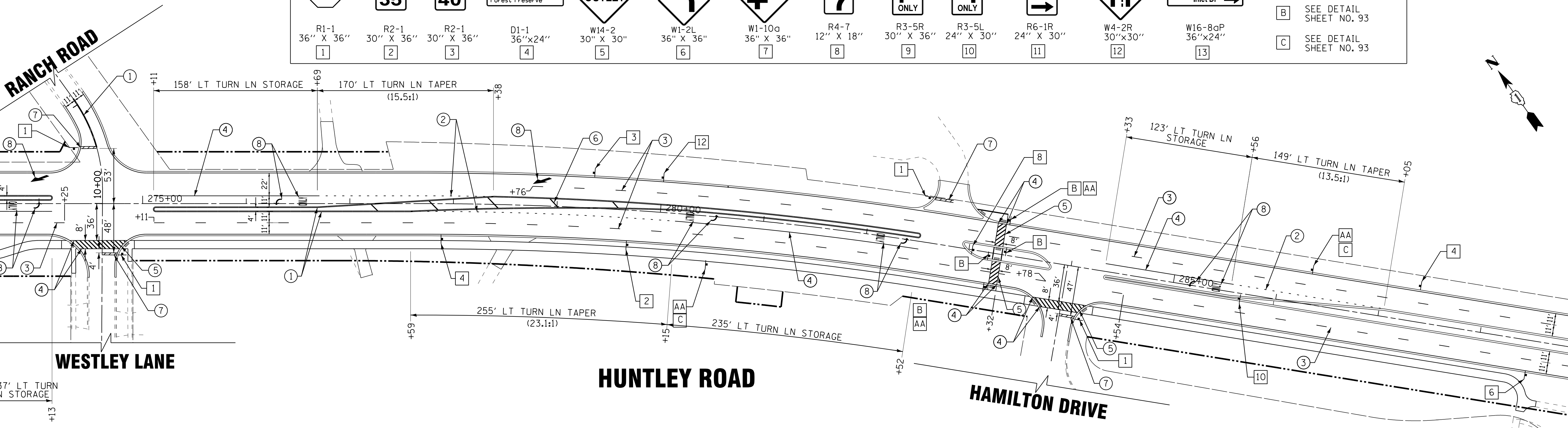
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	90
				CONTRACT NO. 61C86
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)				



SIGN LEGEND

													AA SEE DETAIL SHEET NO. 93
R1-1 36" X 36"	R2-1 30" X 36"	R2-1 30" X 36"	D1-1 36" X 24"	W14-2 30" X 30"	W1-2L 36" X 36"	W1-10a 36" X 36"	R4-7 12" X 18"	R3-5R 30" X 36"	R3-5L 24" X 30"	R6-1R 24" X 30"	W4-2R 30" X 30"	W16-8aP 36" X 24"	B SEE DETAIL SHEET NO. 93
1	2	3	4	5	6	7	8	9	10	11	12	13	C SEE DETAIL SHEET NO. 93



PAVEMENT MARKING LEGEND

- ① LINE 4" (DOUBLE YELLOW - 11" C-C)
- ② LINE 6" (WHITE) - 2' DASH, 6' SKIP
- ③ LINE 4" (WHITE) SKIP DASH - 10' DASH, 30' SKIP
- ④ LINE 6" (WHITE)
- ⑤ LINE 12" (WHITE) DIAGONAL - @ 45° 3' C-C
- ⑤A LINE 24" (WHITE) - @ 3' C-C
- ⑥ LINE 12" (YELLOW) DIAGONAL
- ⑦ LINE 24" (WHITE) STOP BAR
- ⑧ LETTERS AND SYMBOLS

NOTES:

1. FINAL PAVEMENT MARKING ON HOT-MIX ASPHALT PAVEMENT SHALL BE THERMOPLASTIC PAVEMENT MARKINGS.

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CHECKED - DTH	REVISED -
DATE - 10-09-17	FILE - 140879SHT-Pmk1.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

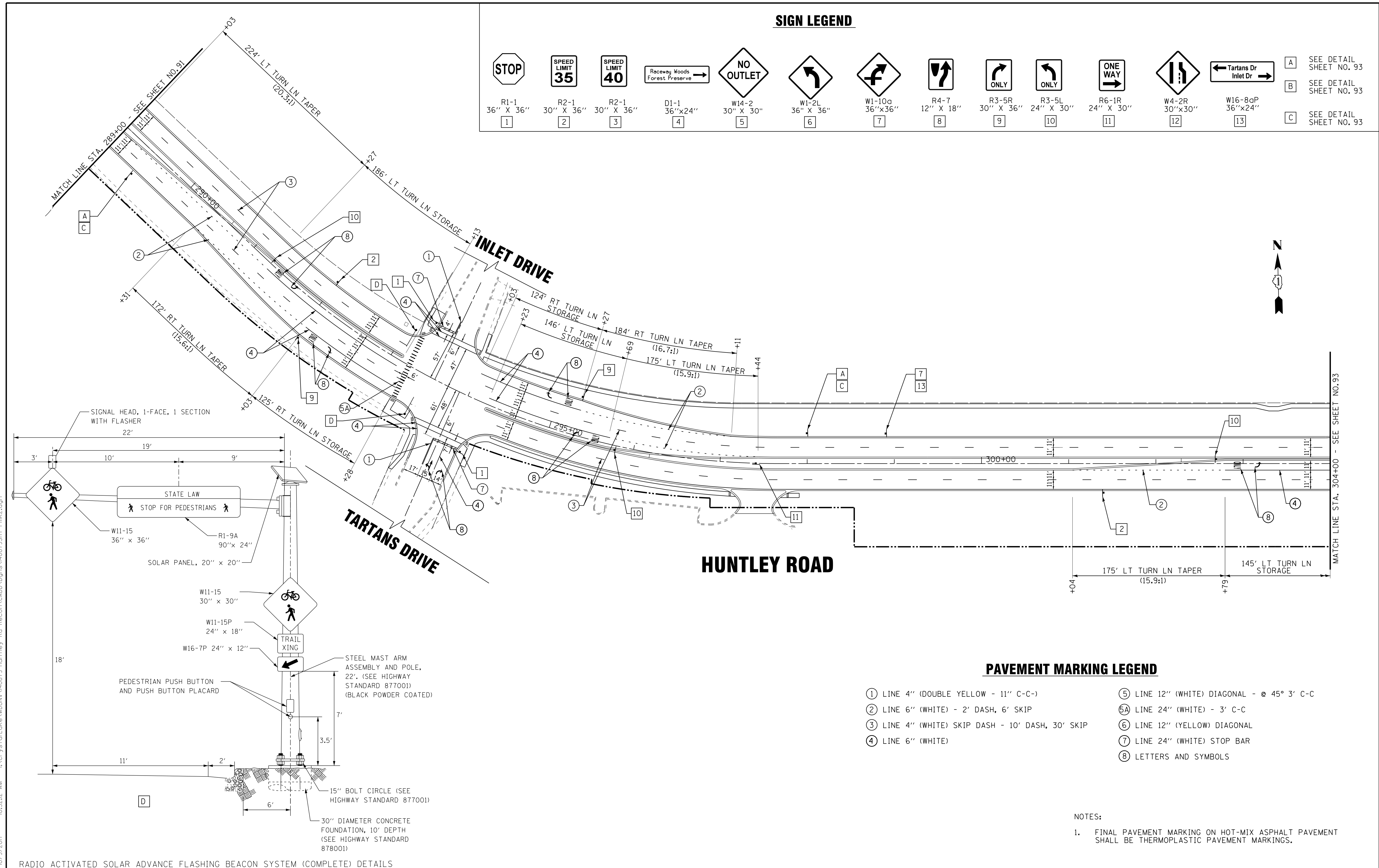
**PAVEMENT MARKING AND SIGNING PLAN
HUNTLEY ROAD**

SCALE: 1"=50' STA. 260+00 TO STA. 289+00

F.A.U. RTE. 1283	SECTION 14-00057-00-WR	COUNTY KANE	TOTAL SHEETS 173	SHEET NO. 91
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	

SIGN LEGEND

													A SEE DETAIL SHEET NO. 93
R1-1 36" X 36"	R2-1 30" X 36"	R2-1 30" X 36"	D1-1 36"x24"	W14-2 30" X 30"	W1-2L 36" X 36"	W1-10a 36" X 36"	R4-7 12" X 18"	R3-5R 30" X 36"	R3-5L 24" X 30"	R6-1R 24" X 30"	W4-2R 30" X 30"	W16-8aP 36" X 24"	B SEE DETAIL SHEET NO. 93
1	2	3	4	5	6	7	8	9	10	11	12	13	C SEE DETAIL SHEET NO. 93



PAVEMENT MARKING LEGEND

- ① LINE 4" (DOUBLE YELLOW - 11" C-C-)
- ② LINE 6" (WHITE) - 2' DASH, 6' SKIP
- ③ LINE 4" (WHITE) SKIP DASH - 10' DASH, 30' SKIP
- ④ LINE 6" (WHITE)
- ⑤ LINE 12" (WHITE) DIAGONAL - @ 45° 3' C-C
- ⑤A LINE 24" (WHITE) - 3' C-C
- ⑥ LINE 12" (YELLOW) DIAGONAL
- ⑦ LINE 24" (WHITE) STOP BAR
- ⑧ LETTERS AND SYMBOLS

NOTES:
 1. FINAL PAVEMENT MARKING ON HOT-MIX ASPHALT PAVEMENT SHALL BE THERMOPLASTIC PAVEMENT MARKINGS.

RADIO ACTIVATED SOLAR ADVANCE FLASHING BEACON SYSTEM (COMPLETE) DETAILS

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DRAWN - UKB	REVISED -
CHECKED - DTH	REVISED -
DATE - 10-09-17	FILE - 140879SHT-Pmk2.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING AND SIGNING PLAN
 HUNTLEY ROAD**

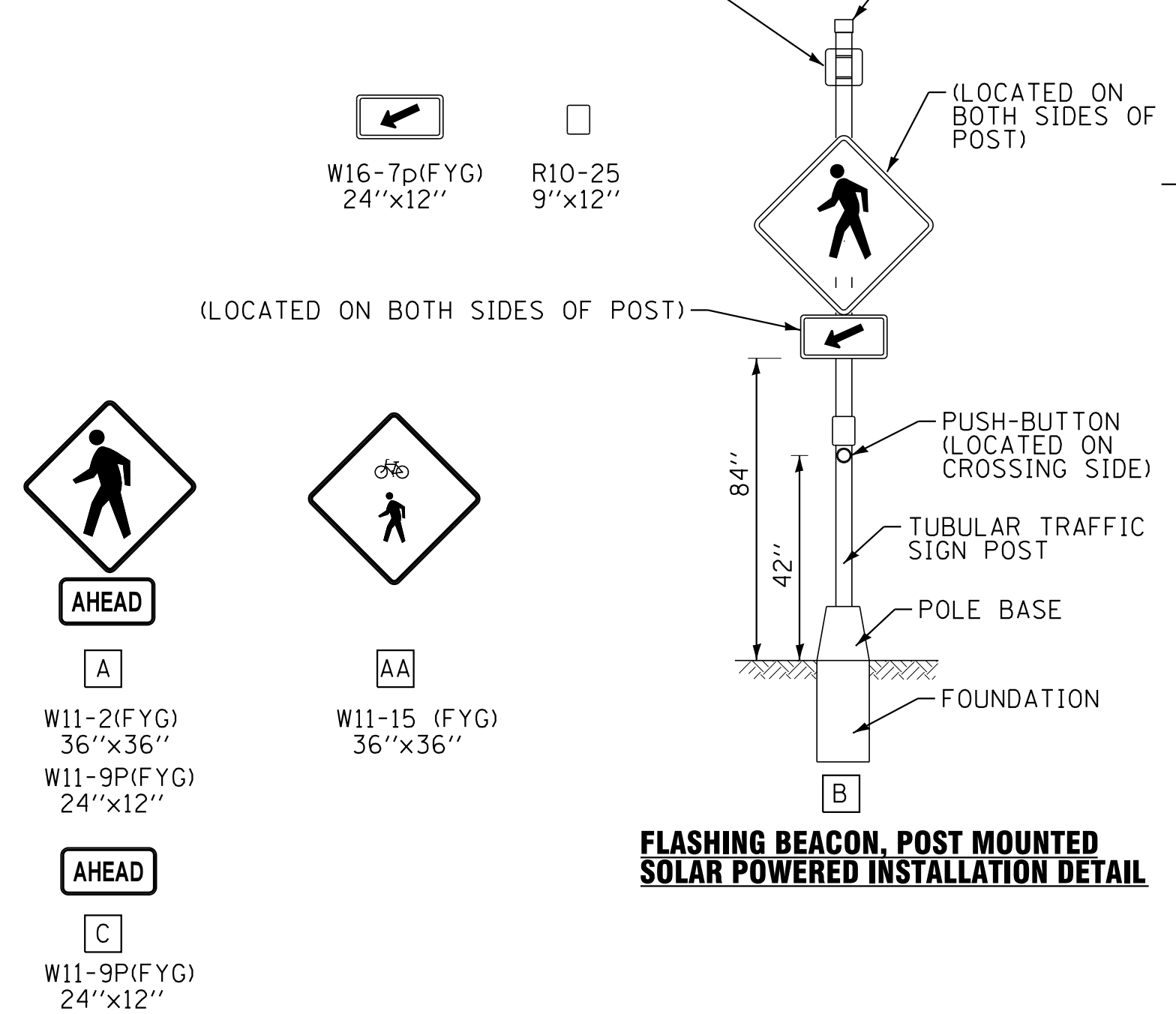
SCALE: 1"=50'
 STA. 289+00 TO STA. 304+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	92
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				

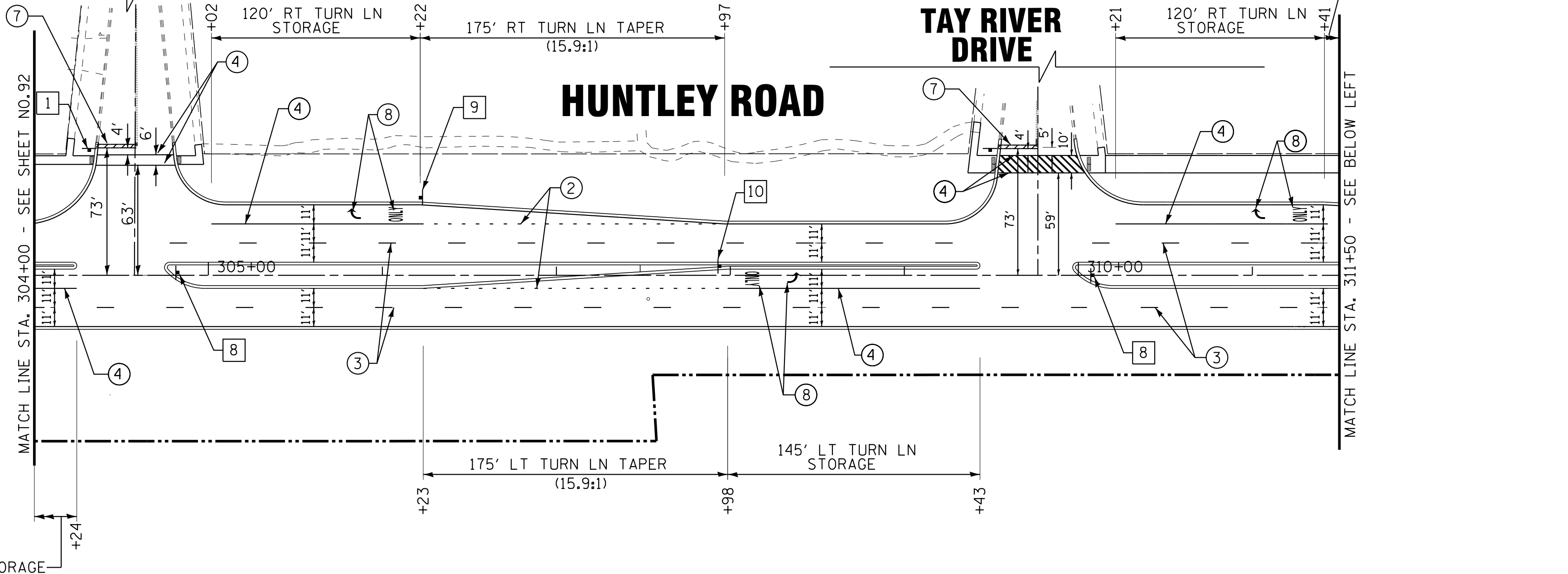
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SIGNAL HEAD, 1-FACE, 1 SECTION WITH FLASHER. THE BOTTOM OF THE HOUSING SHALL NOT BE LESS THAN 12" NOR MORE THAN 24" ABOVE THE TOP OF THE SIGN



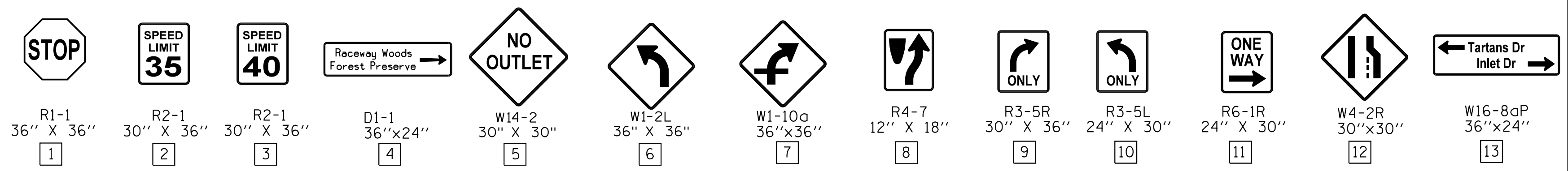
HARBOR DRIVE



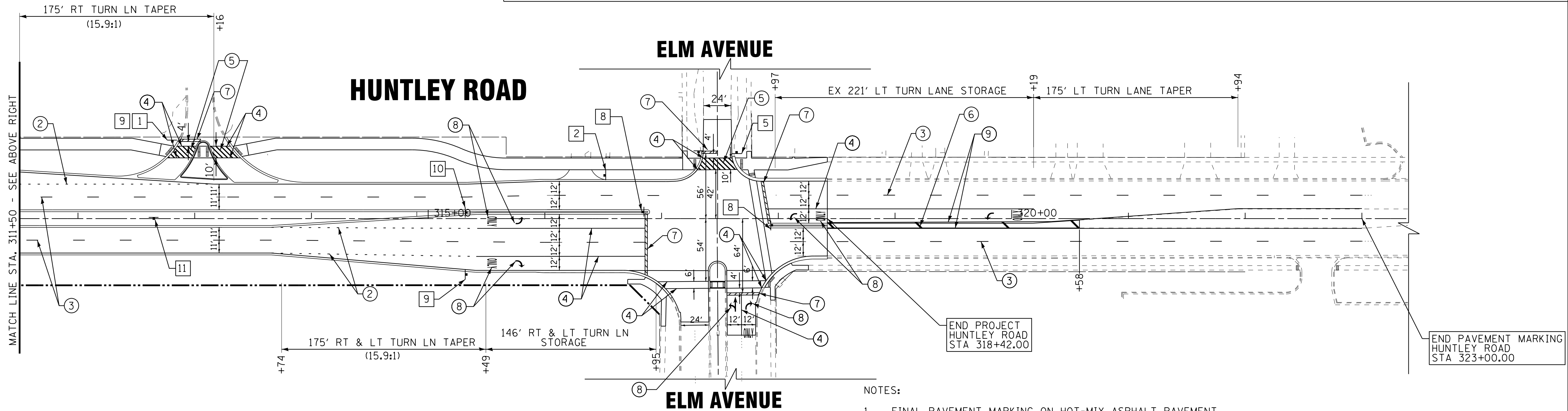
PAVEMENT MARKING LEGEND

- ① LINE 4" (DOUBLE YELLOW - 11" C-C-)
- ② LINE 6" (WHITE) - 2' DASH, 6' SKIP
- ③ LINE 4" (WHITE) SKIP DASH - 10' DASH, 30' SKIP
- ④ LINE 6" (WHITE)
- ⑤ LINE 12" (WHITE) DIAGONAL - @ 45° 3' C-C
- ⑥ LINE 12" (YELLOW) DIAGONAL
- ⑦ LINE 24" (WHITE) STOP BAR
- ⑧ LETTERS AND SYMBOLS
- ⑨ LINE 4" YELLOW

SIGN LEGEND



HUNTLEY ROAD



NOTES:
1. FINAL PAVEMENT MARKING ON HOT-MIX ASPHALT PAVEMENT SHALL BE THERMOPLASTIC PAVEMENT MARKINGS.

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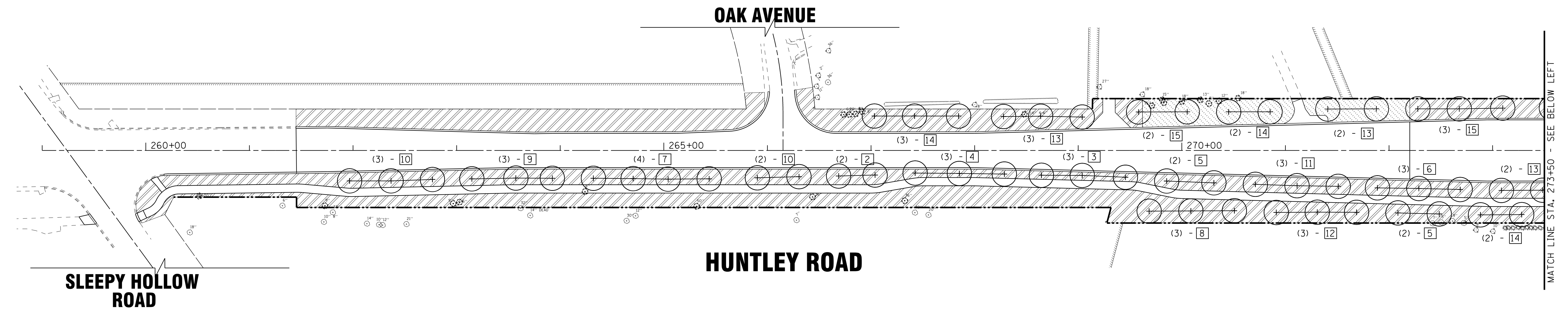
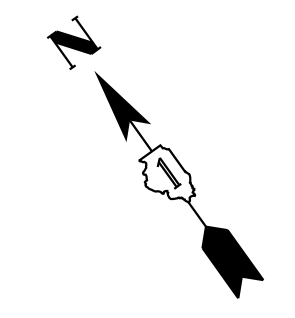
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CHECKED - DTH	REVISED -
DATE - 10-09-17	FILE - 140879SHT-Pmk3.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING AND SIGNING PLAN
HUNTLEY ROAD**

SCALE: 1"=50' STA. 304+00 TO STA. 320+50

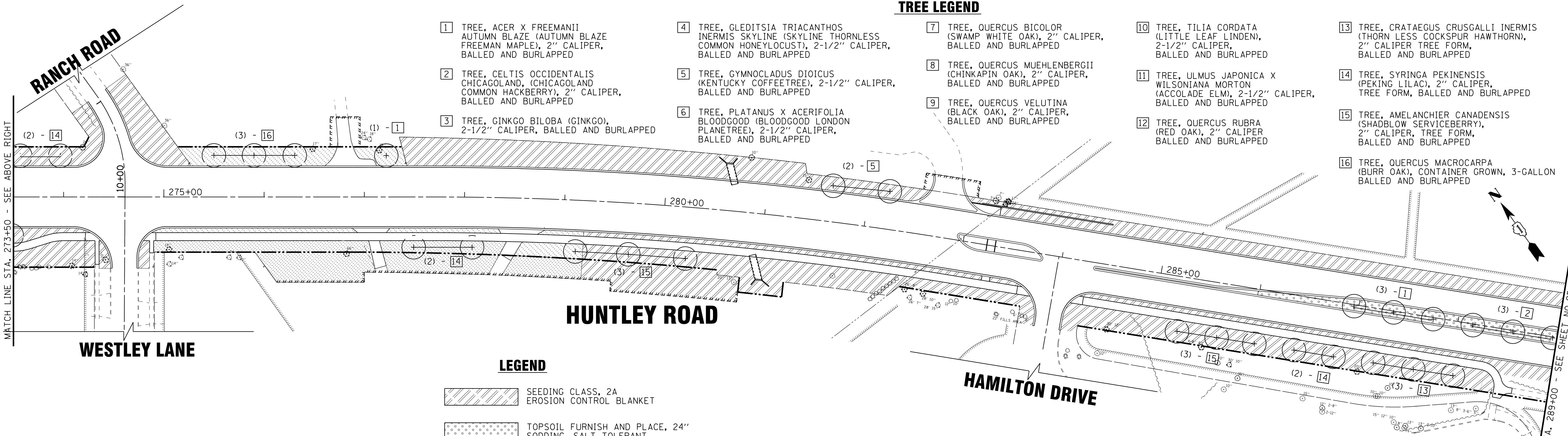
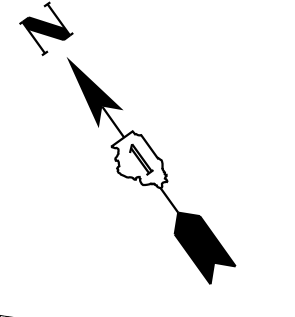
F.A.U. RTE. 1283	SECTION 14-00057-00-WR	COUNTY KANE	TOTAL SHEETS 173	SHEET NO. 93
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	



MATCH LINE STA. 273+50 - SEE BELOW LEFT

TREE LEGEND

- | | | | | |
|--|--|---|---|---|
| <p>1 TREE, ACER X FREEMANII
AUTUMN BLAZE (AUTUMN BLAZE
FREEMAN MAPLE), 2" CALIPER,
BALLED AND BURLAPPED</p> <p>2 TREE, CELTIS OCCIDENTALIS
CHICAGOLAND, (CHICAGOLAND
COMMON HACKBERRY), 2" CALIPER,
BALLED AND BURLAPPED</p> <p>3 TREE, GINKGO BILOBA (GINKGO),
2-1/2" CALIPER, BALLED AND BURLAPPED</p> | <p>4 TREE, GLEDITSIA TRIACANTHOS
INERMIS SKYLINE (SKYLINE THORNLESS
COMMON HONEYLOCUST), 2-1/2" CALIPER,
BALLED AND BURLAPPED</p> <p>5 TREE, GYMNOCLADUS DIOICUS
(KENTUCKY COFFEETREE), 2-1/2" CALIPER,
BALLED AND BURLAPPED</p> <p>6 TREE, PLATANUS X ACERIFOLIA
BLOODGOOD (BLOODGOOD LONDON
PLANETREE), 2-1/2" CALIPER,
BALLED AND BURLAPPED</p> | <p>7 TREE, QUERCUS BICOLOR
(SWAMP WHITE OAK), 2" CALIPER,
BALLED AND BURLAPPED</p> <p>8 TREE, QUERCUS MUEHLENBERGII
(CHINKAPIN OAK), 2" CALIPER,
BALLED AND BURLAPPED</p> <p>9 TREE, QUERCUS VELUTINA
(BLACK OAK), 2" CALIPER,
BALLED AND BURLAPPED</p> | <p>10 TREE, TILIA CORDATA
(LITTLE LEAF LINDEN),
2-1/2" CALIPER,
BALLED AND BURLAPPED</p> <p>11 TREE, ULMUS JAPONICA X
WILSONIANA MORTON
(ACCOLADE ELM), 2-1/2" CALIPER,
BALLED AND BURLAPPED</p> <p>12 TREE, QUERCUS RUBRA
(RED OAK), 2" CALIPER
BALLED AND BURLAPPED</p> | <p>13 TREE, CRATAEGUS CRUSGALLI INERMIS
(THORN LESS COCKSPUR HAWTHORN),
2" CALIPER TREE FORM,
BALLED AND BURLAPPED</p> <p>14 TREE, SYRINGA PEKINENSIS
(PEKING LILAC), 2" CALIPER,
TREE FORM, BALLED AND BURLAPPED</p> <p>15 TREE, AMELANCHIER CANADENSIS
(SHADBLow SERVICEBERRY),
2" CALIPER, TREE FORM,
BALLED AND BURLAPPED</p> <p>16 TREE, QUERCUS MACROCARPA
(BURR OAK), CONTAINER GROWN, 3-GALLON
BALLED AND BURLAPPED</p> |
|--|--|---|---|---|



MATCH LINE STA. 289+00 - SEE SHEET NO. 95

LEGEND

- SEEDING CLASS, 2A
EROSION CONTROL BLANKET
- TOPSOIL FURNISH AND PLACE, 24"
SODDING, SALT TOLERANT
- SODDING, SALT TOLERANT
- PROPOSED TREE

NOTES:
 THE CONTRACTOR SHALL PROVIDE SPADE EDGES FOR ALL
 SODDING AREA ABUTTING EXISTING TREES BY MAINTAINING
 A MINIMUM 5 FOOT DIAMETER MULCH BED AROUND EACH TREE.
 SEE REMOVAL PLANS FOR LOCATIONS OF TREES TO BE REMOVED.

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BAXTER & WOODMAN <small>CONSULTANTS, INC.</small>	DESIGNED - DSH	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - DTH	REVISED -
	DATE - 10-09-17	FILE - 140879SHT-Landscaping1.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLAN
 HUNTLEY ROAD**

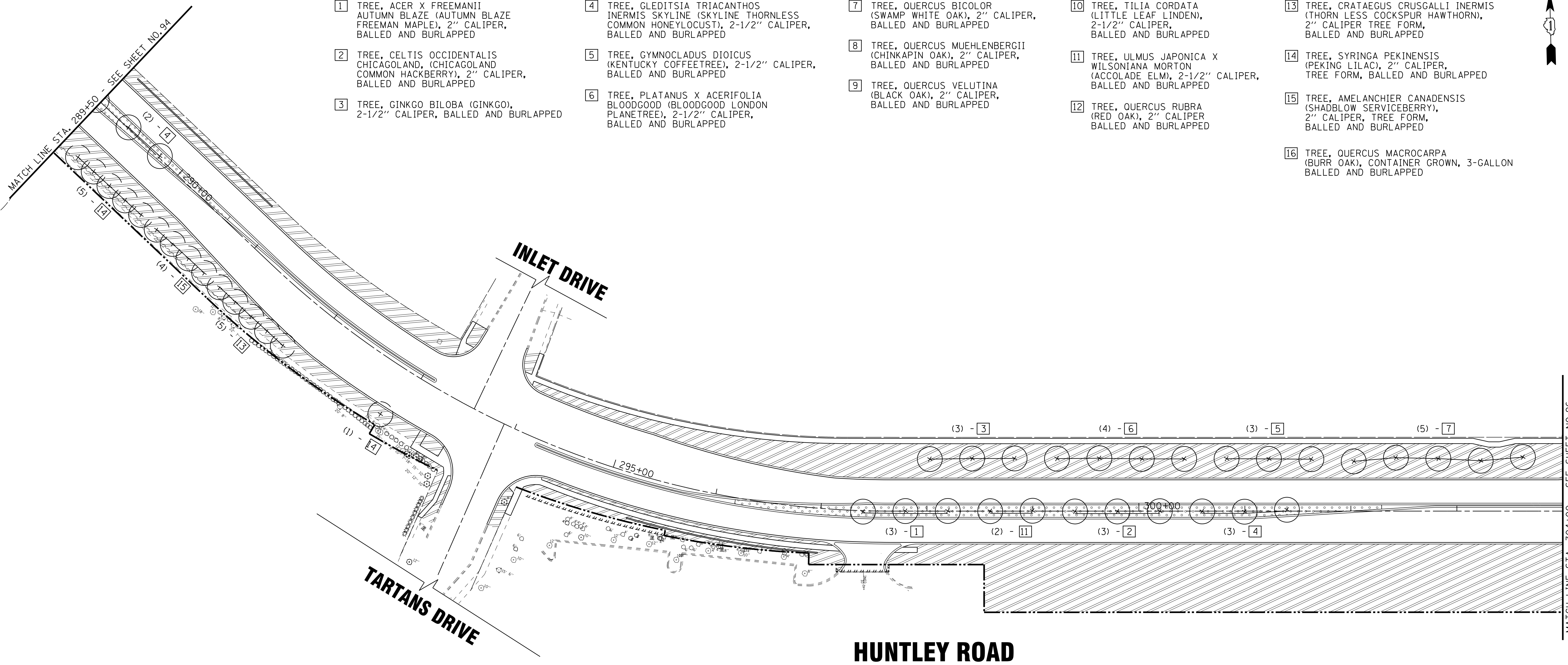
SCALE: 1"=50'
 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	94
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)				



TREE LEGEND

- 1 TREE, ACER X FREEMANII
AUTUMN BLAZE (AUTUMN BLAZE
FREEMAN MAPLE), 2" CALIPER,
BALLED AND BURLAPPED
- 2 TREE, CELTIS OCCIDENTALIS
CHICAGOLAND, (CHICAGOLAND
COMMON HACKBERRY), 2" CALIPER,
BALLED AND BURLAPPED
- 3 TREE, GINKGO BILOBA (GINKGO),
2-1/2" CALIPER, BALLED AND BURLAPPED
- 4 TREE, GLEDITSIA TRIACANTHOS
INERMIS SKYLINE (SKYLINE THORNLESS
COMMON HONEYLOCUST), 2-1/2" CALIPER,
BALLED AND BURLAPPED
- 5 TREE, GYMNOCLADUS DIOICUS
(KENTUCKY COFFEETREE), 2-1/2" CALIPER,
BALLED AND BURLAPPED
- 6 TREE, PLATANUS X ACERIFOLIA
BLOODGOOD (BLOODGOOD LONDON
PLANETREE), 2-1/2" CALIPER,
BALLED AND BURLAPPED
- 7 TREE, QUERCUS BICOLOR
(SWAMP WHITE OAK), 2" CALIPER,
BALLED AND BURLAPPED
- 8 TREE, QUERCUS MUEHLENBERGII
(CHINKAPIN OAK), 2" CALIPER,
BALLED AND BURLAPPED
- 9 TREE, QUERCUS VELUTINA
(BLACK OAK), 2" CALIPER,
BALLED AND BURLAPPED
- 10 TREE, TILIA CORDATA
(LITTLE LEAF LINDEN),
2-1/2" CALIPER,
BALLED AND BURLAPPED
- 11 TREE, ULMUS JAPONICA X
WILSONIANA MORTON
(ACCOLADE ELM), 2-1/2" CALIPER,
BALLED AND BURLAPPED
- 12 TREE, QUERCUS RUBRA
(RED OAK), 2" CALIPER
BALLED AND BURLAPPED
- 13 TREE, CRATAEGUS CRUSGALLI INERMIS
(THORN LESS COCKSPUR HAWTHORN),
2" CALIPER TREE FORM,
BALLED AND BURLAPPED
- 14 TREE, SYRINGA PEKINENSIS
(PEKING LILAC), 2" CALIPER,
TREE FORM, BALLED AND BURLAPPED
- 15 TREE, AMELANCHIER CANADENSIS
(SHADBLOW SERVICEBERRY),
2" CALIPER, TREE FORM,
BALLED AND BURLAPPED
- 16 TREE, QUERCUS MACROCARPA
(BURR OAK), CONTAINER GROWN, 3-GALLON
BALLED AND BURLAPPED



LEGEND

- SEEDING CLASS, 2A
EROSION CONTROL BLANKET
- TOPSOIL FURNISH AND PLACE, 24"
SODDING, SALT TOLERANT
- SODDING, SALT TOLERANT
- PROPOSED TREE

NOTES:
 THE CONTRACTOR SHALL PROVIDE SPADE EDGES FOR ALL SODDING AREA ABUTTING EXISTING TREES BY MAINTAINING A MINIMUM 5 FOOT DIAMETER MULCH BED AROUND EACH TREE.
 SEE REMOVAL PLANS FOR LOCATIONS OF TREES TO BE REMOVED.

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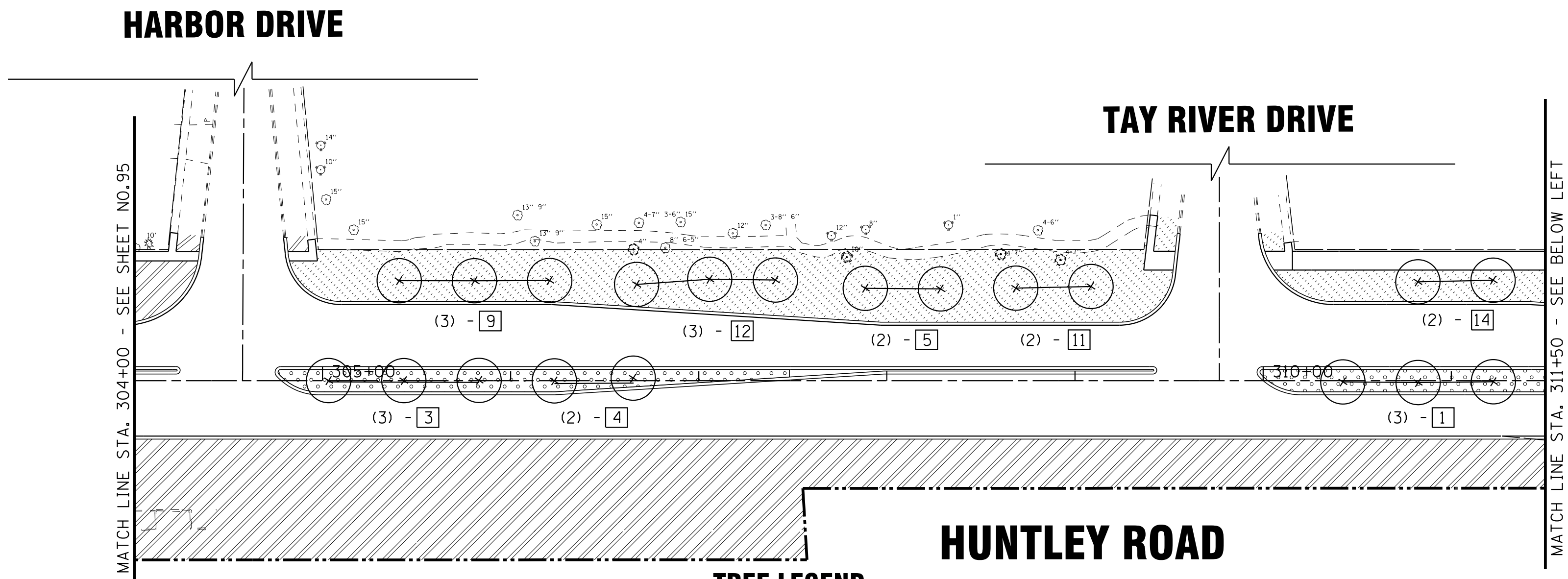
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DRAWN - UKB	REVISED -
CHECKED - DTH	REVISED -
DATE - 10-09-17	FILE - 140879SHT-Landscaping2.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLAN
 HUNTLEY ROAD**

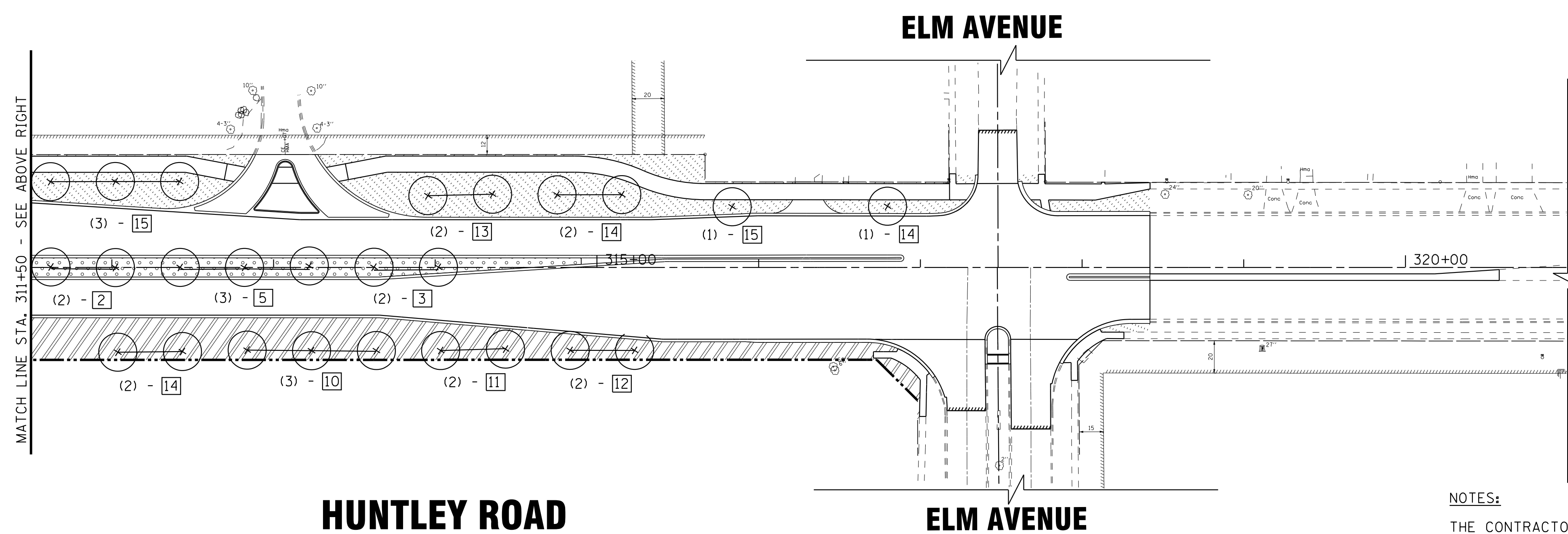
SCALE: 1"=50' STA. 289+50 TO STA. 304+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	95
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



TREE LEGEND

- | | | | | | |
|--|--|---|---|---|---|
| <p>1 TREE, ACER X FREEMANII
AUTUMN BLAZE (AUTUMN BLAZE
FREEMAN MAPLE), 2" CALIPER,
BALLED AND BURLAPPED</p> <p>2 TREE, CELTIS OCCIDENTALIS
CHICAGOLAND, (CHICAGOLAND
COMMON HACKBERRY), 2" CALIPER,
BALLED AND BURLAPPED</p> <p>3 TREE, GINKGO BILOBA (GINKGO),
2-1/2" CALIPER, BALLED AND BURLAPPED</p> | <p>4 TREE, GLEDITSIA TRIACANTHOS
INERMIS SKYLINE (SKYLINE THORNLESS
COMMON HONEYLOCUST), 2-1/2" CALIPER,
BALLED AND BURLAPPED</p> <p>5 TREE, GYMNOCLADUS DIOICUS
(KENTUCKY COFFEETREE), 2-1/2" CALIPER,
BALLED AND BURLAPPED</p> <p>6 TREE, PLATANUS X ACERIFOLIA
BLOODGOOD (BLOODGOOD LONDON
PLANETREE), 2-1/2" CALIPER,
BALLED AND BURLAPPED</p> | <p>7 TREE, QUERCUS BICOLOR
(SWAMP WHITE OAK), 2" CALIPER,
BALLED AND BURLAPPED</p> <p>8 TREE, QUERCUS MUEHLENBERGII
(CHINKAPIN OAK), 2" CALIPER,
BALLED AND BURLAPPED</p> <p>9 TREE, QUERCUS VELUTINA
(BLACK OAK), 2" CALIPER,
BALLED AND BURLAPPED</p> | <p>10 TREE, TILIA CORDATA
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2-1/2" CALIPER,
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WILSONIANA MORTON
(ACCOLADE ELM), 2-1/2" CALIPER,
BALLED AND BURLAPPED</p> <p>12 TREE, QUERCUS RUBRA
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BALLED AND BURLAPPED</p> | <p>13 TREE, CRATAEGUS CRUSGALLI INERMIS
(THORN LESS COCKSPUR HAWTHORN),
2" CALIPER TREE FORM,
BALLED AND BURLAPPED</p> <p>14 TREE, SYRINGA PEKINENSIS
(PEKING LILAC), 2" CALIPER,
TREE FORM, BALLED AND BURLAPPED</p> <p>15 TREE, AMELANCHIER CANADENSIS
(SHADBLOW SERVICEBERRY),
2" CALIPER, TREE FORM,
BALLED AND BURLAPPED</p> | <p>16 TREE, QUERCUS MACROCARPA
(BURR OAK), CONTAINER GROWN, 3-GALLON
BALLED AND BURLAPPED</p> |
|--|--|---|---|---|---|



LEGEND

- SEEDING CLASS, 2A
EROSION CONTROL BLANKET
- TOPSOIL FURNISH AND PLACE, 24"
SODDING, SALT TOLERANT
- SODDING, SALT TOLERANT
- PROPOSED TREE

NOTES:
 THE CONTRACTOR SHALL PROVIDE SPADE EDGES FOR ALL
 SODDING AREA ABUTTING EXISTING TREES BY MAINTAINING
 A MINIMUM 5 FOOT DIAMETER MULCH BED AROUND EACH TREE.
 SEE REMOVAL PLANS FOR LOCATIONS OF TREES TO BE REMOVED.

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DESIGNED - DSH	REVISED -
DRAWN - UKB	REVISED -
CHECKED - DTH	REVISED -
DATE - 10-09-17	FILE - 140879SHT-Landscaping3.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

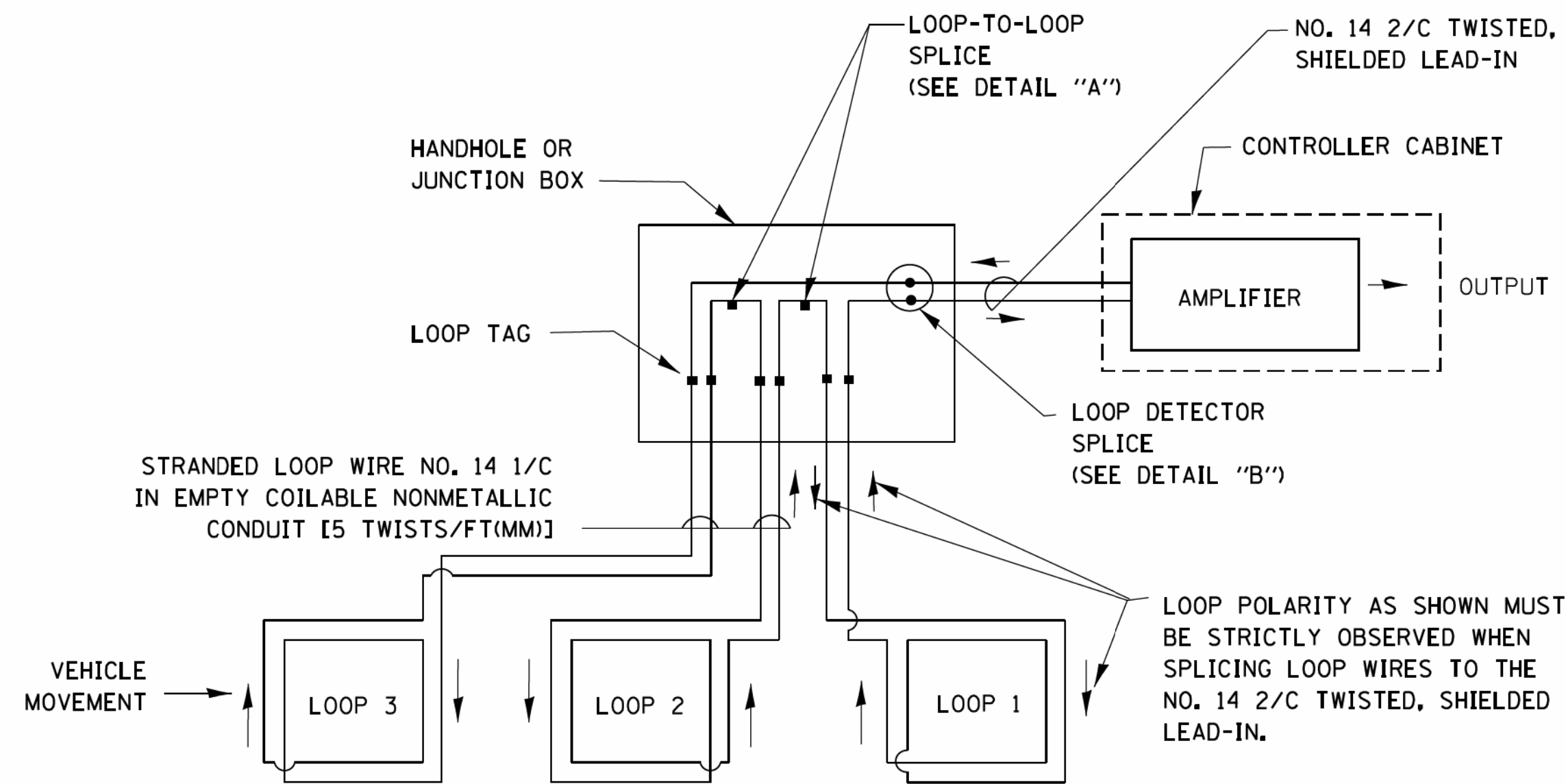
**LANDSCAPING PLAN
 HUNTLEY ROAD**

SCALE: 1"=50' STA. 304+00 TO STA. 320+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	96
				CONTRACT NO. 61C86
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)				

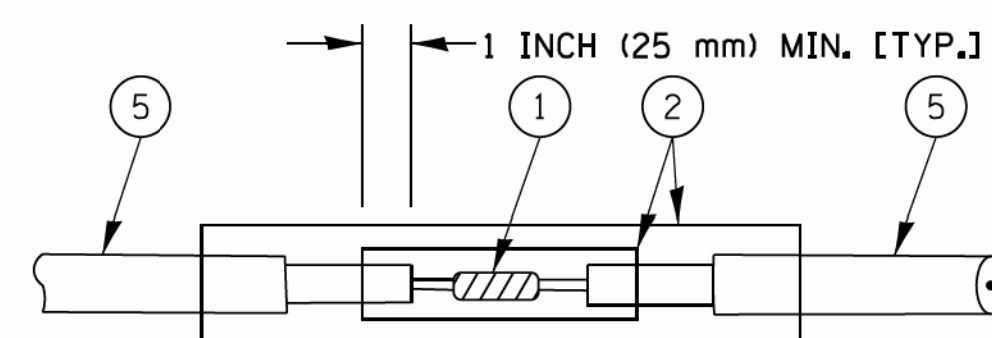
LOOP DETECTOR NOTES

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.

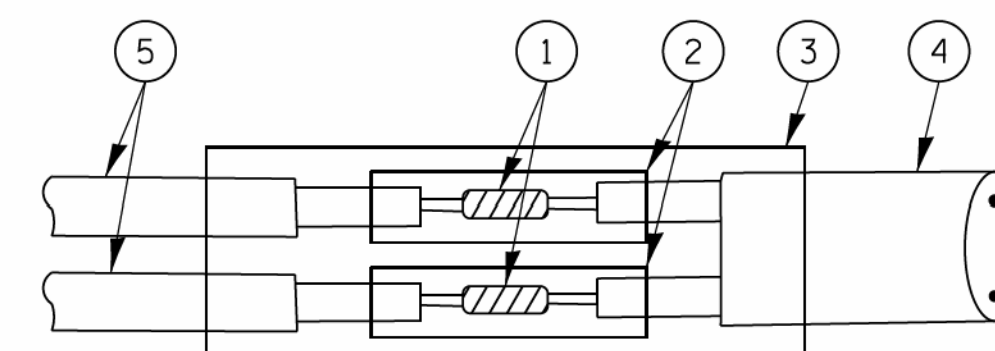


DETECTOR LOOP WIRING SCHEMATIC

- 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.

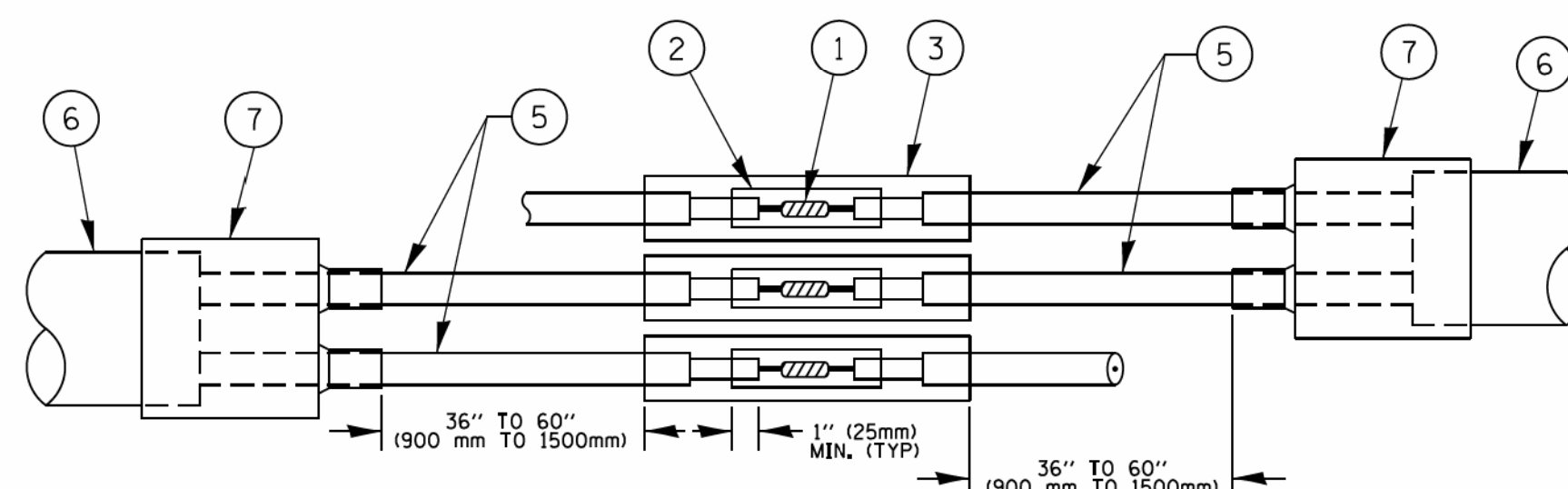


DETAIL "A"
LOOP-TO-LOOP SPLICE

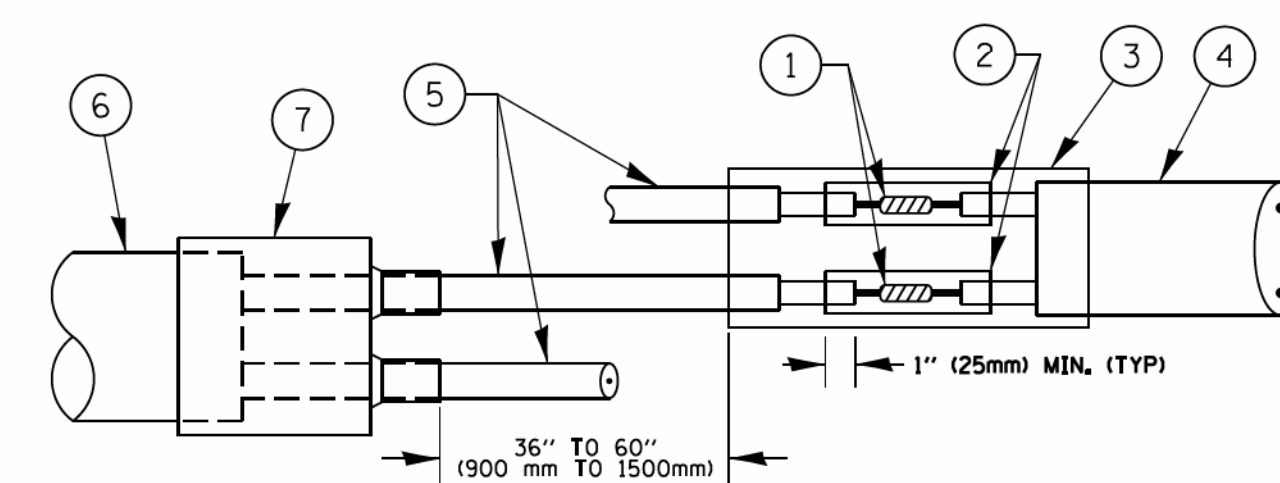


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



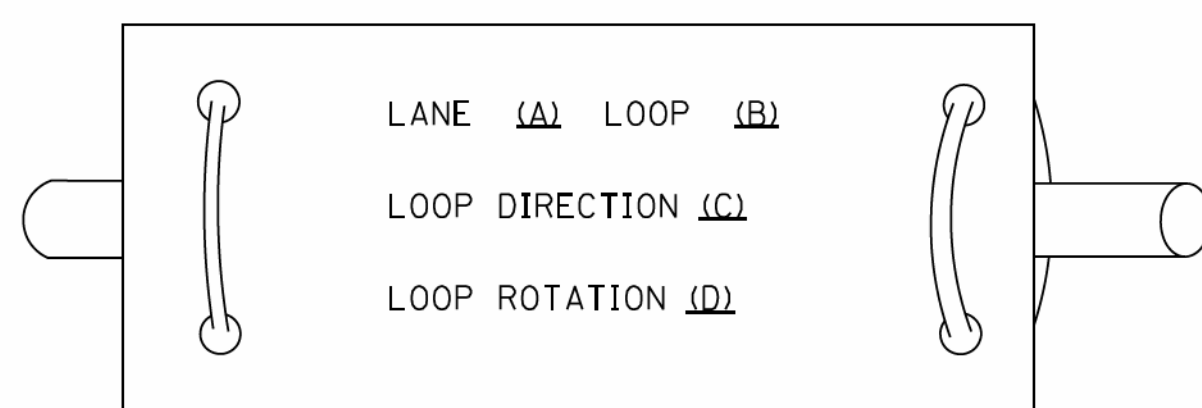
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

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

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.

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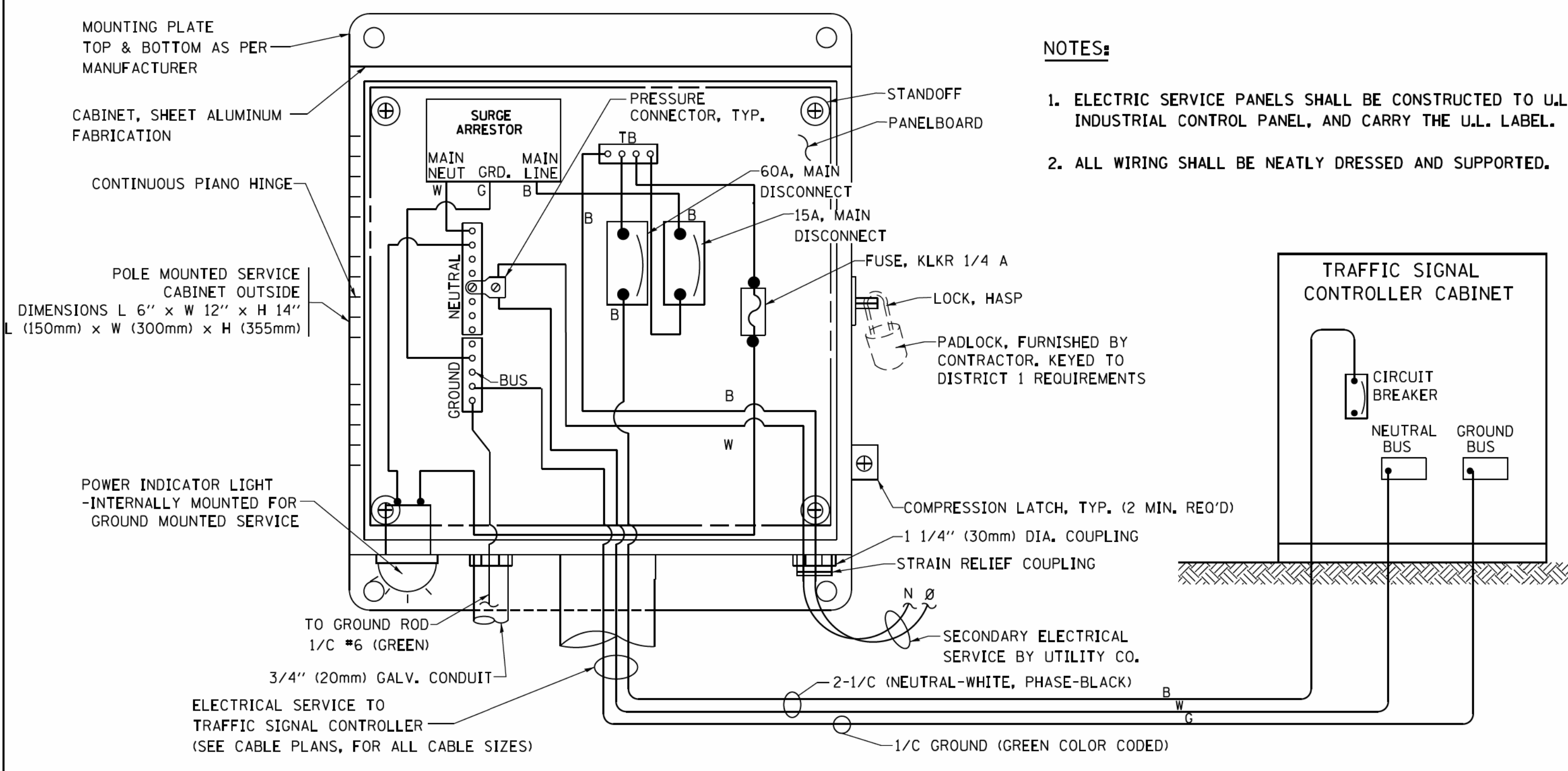
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

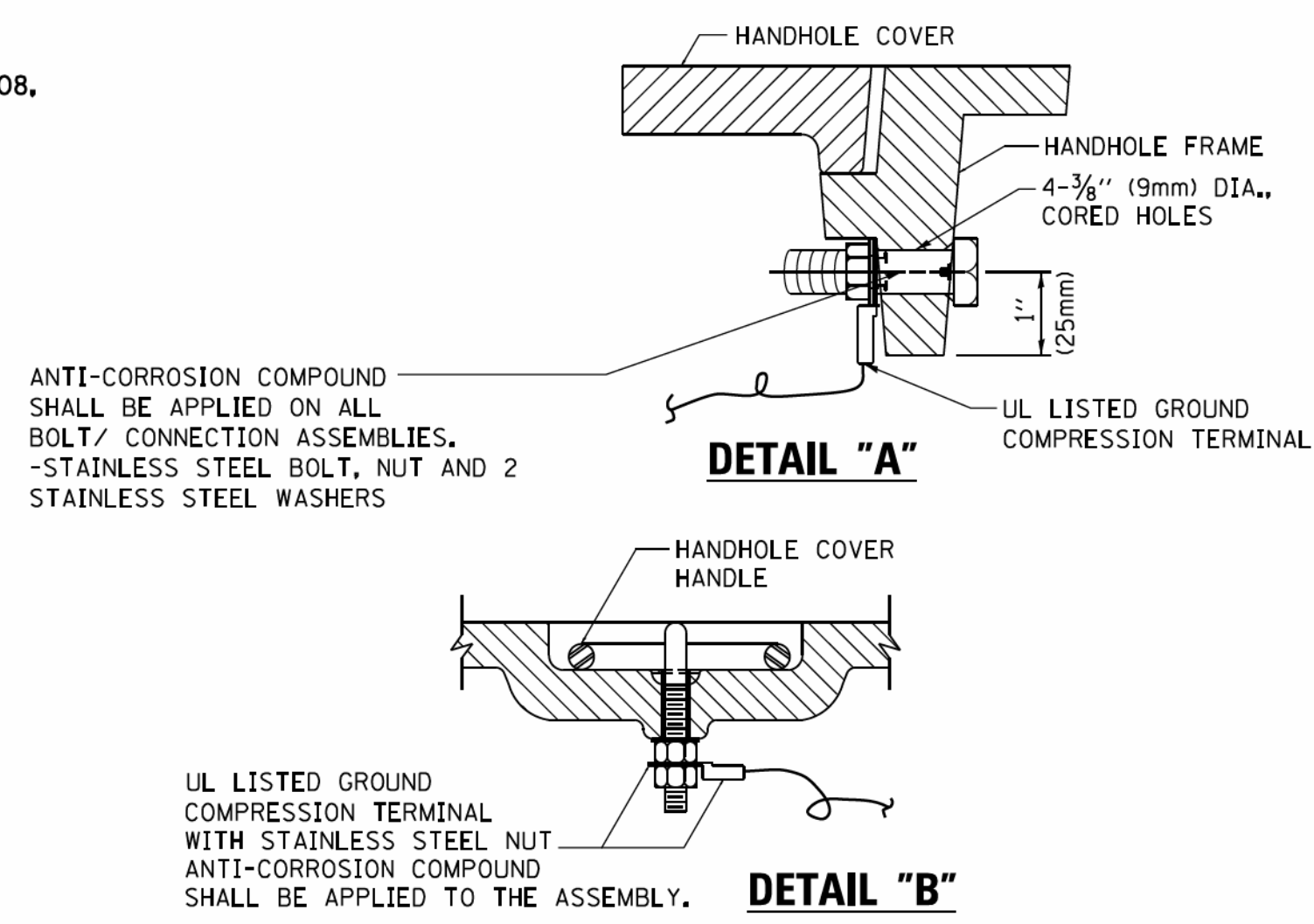
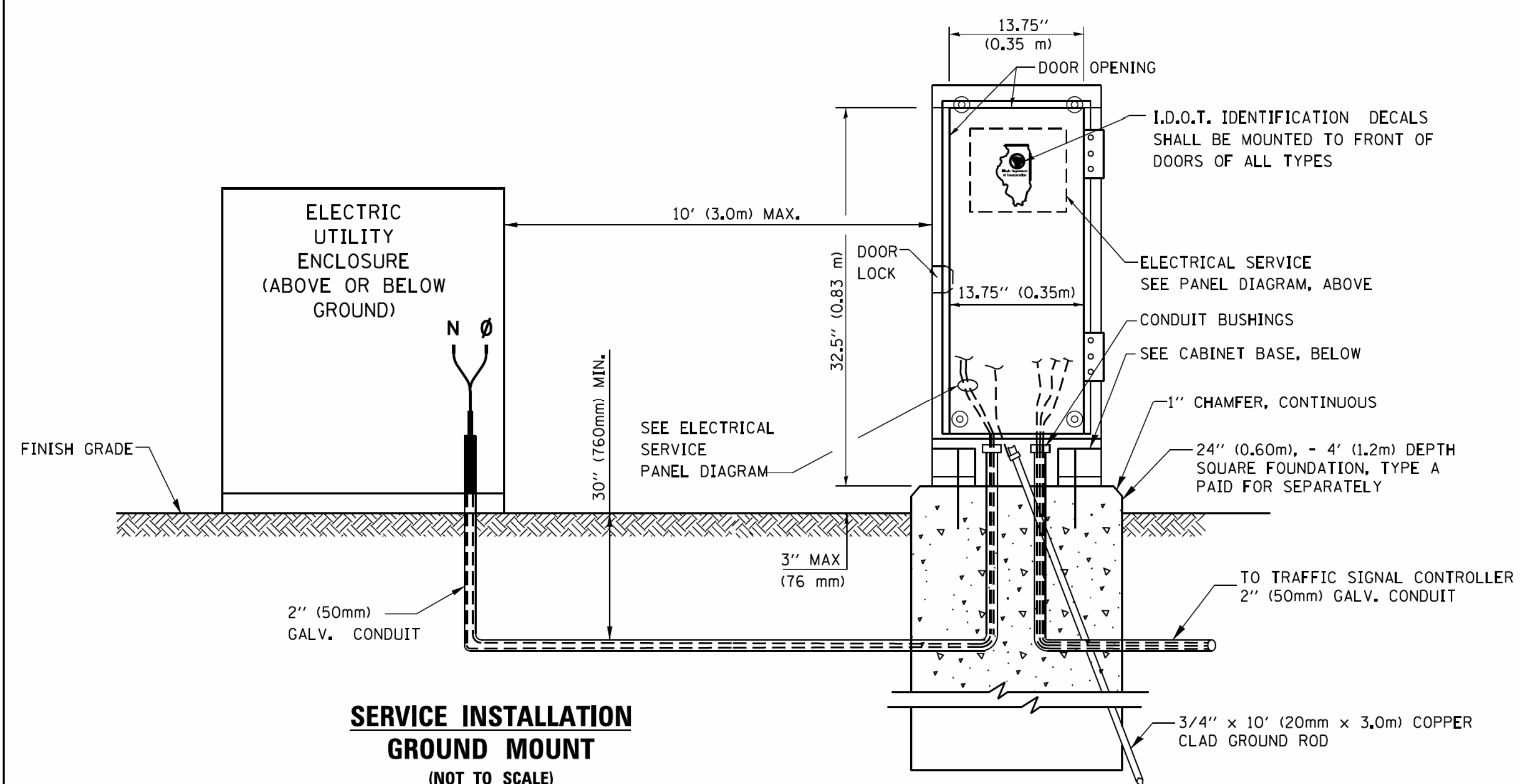
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 2 OF 7 SHEETS STA. TO STA.

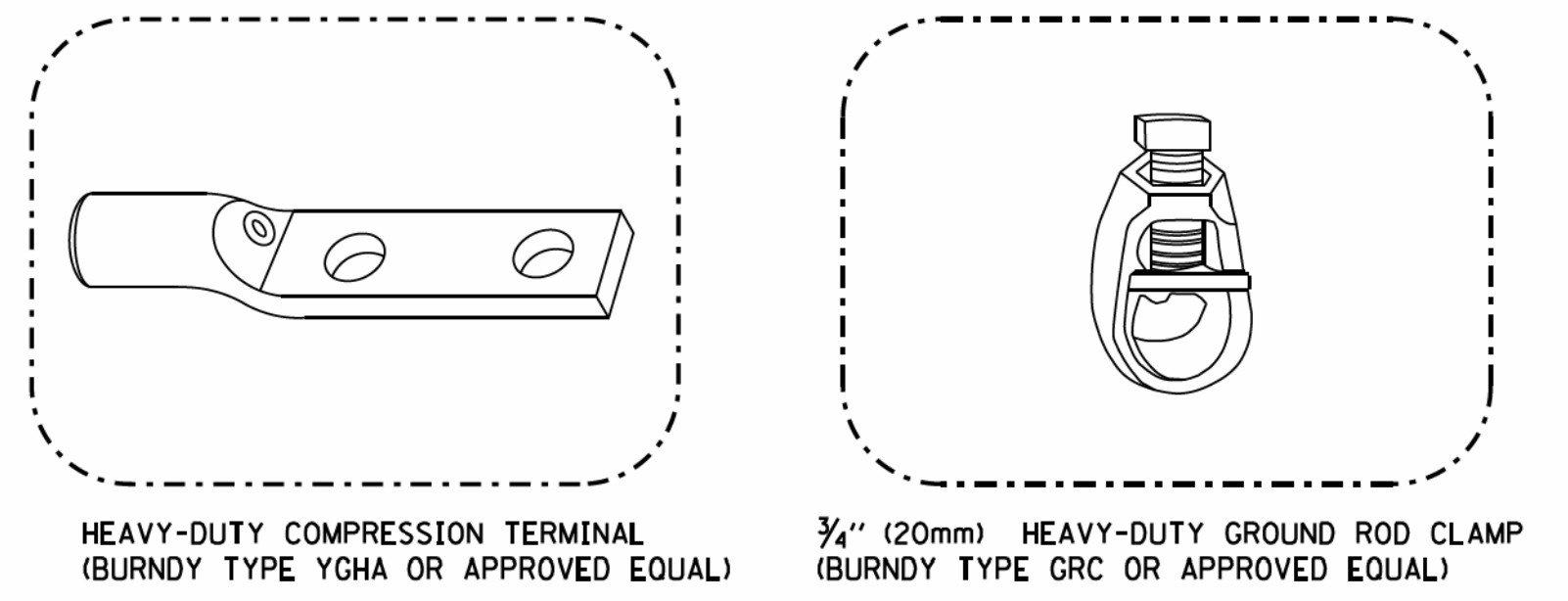
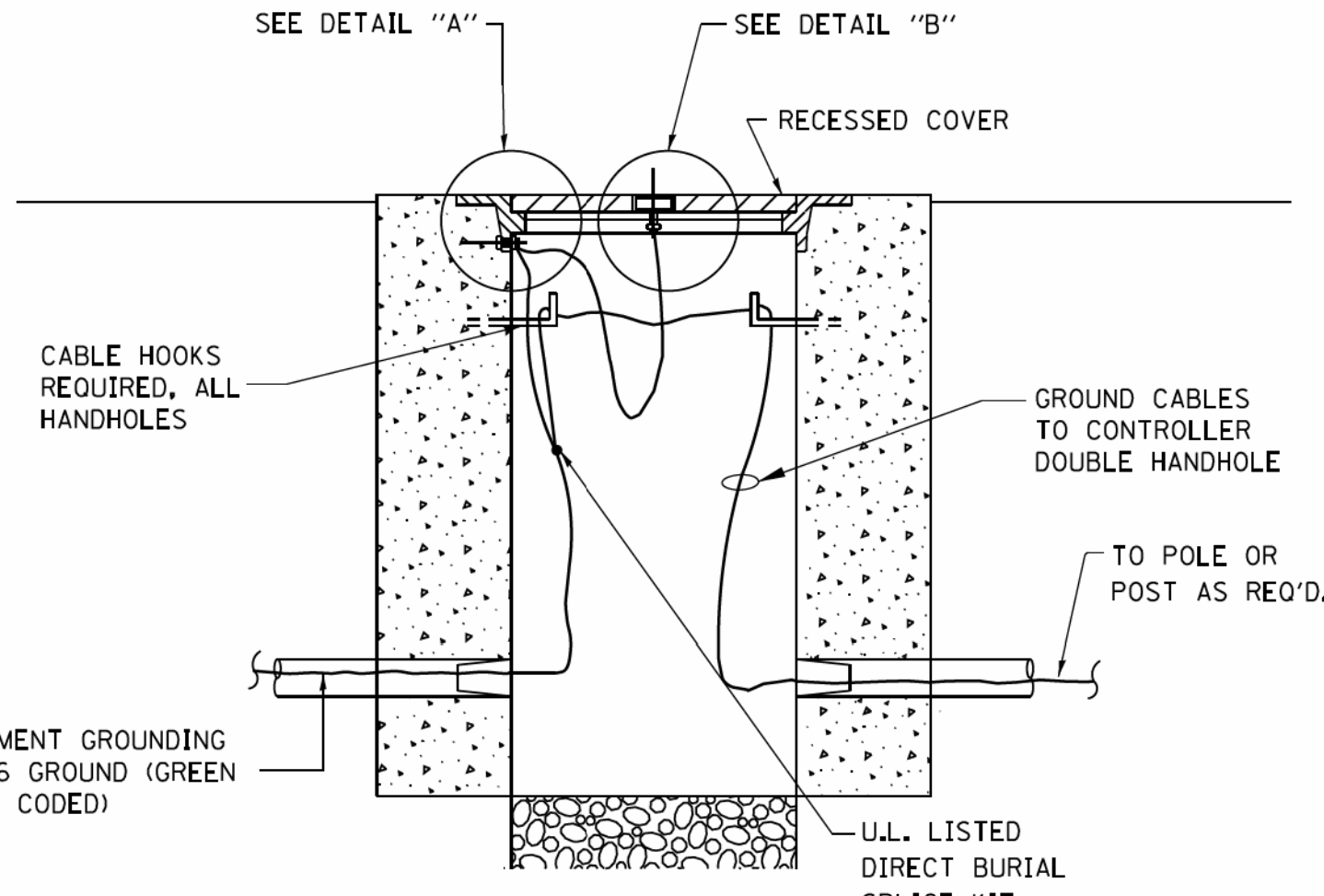
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	98
TS-05		CONTRACT NO. 61C86		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



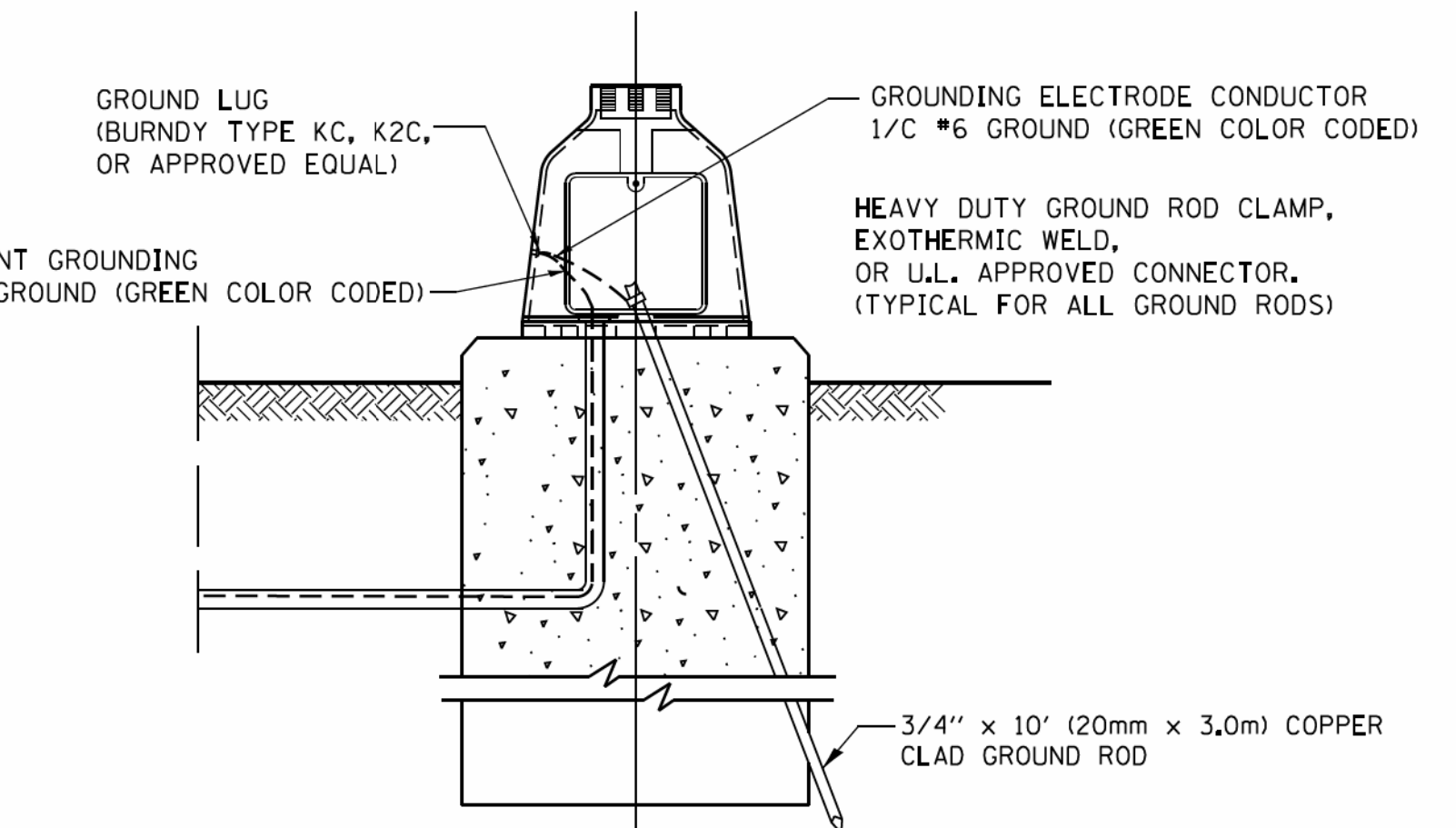
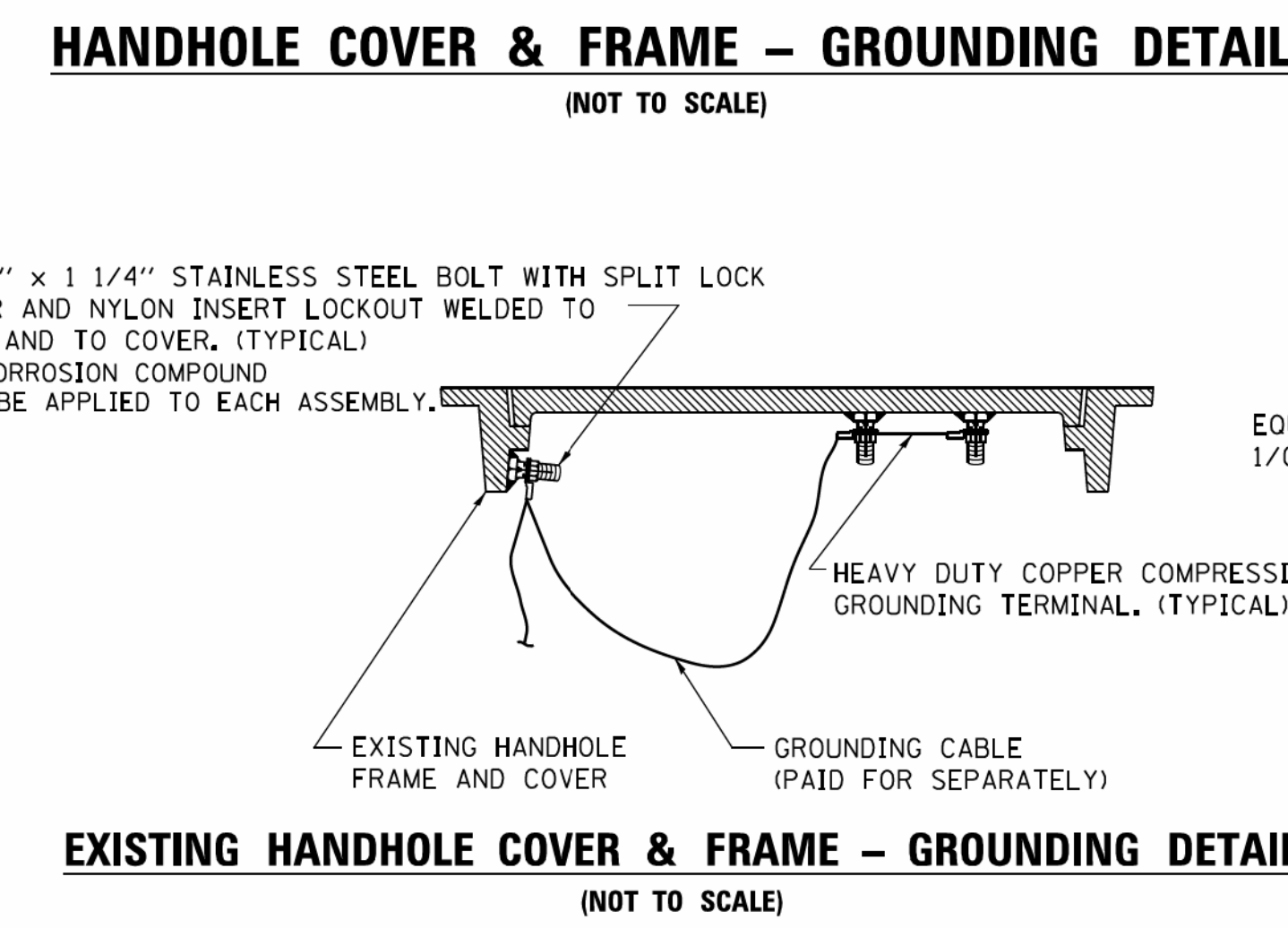
**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
(NOT TO SCALE)**



- 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.

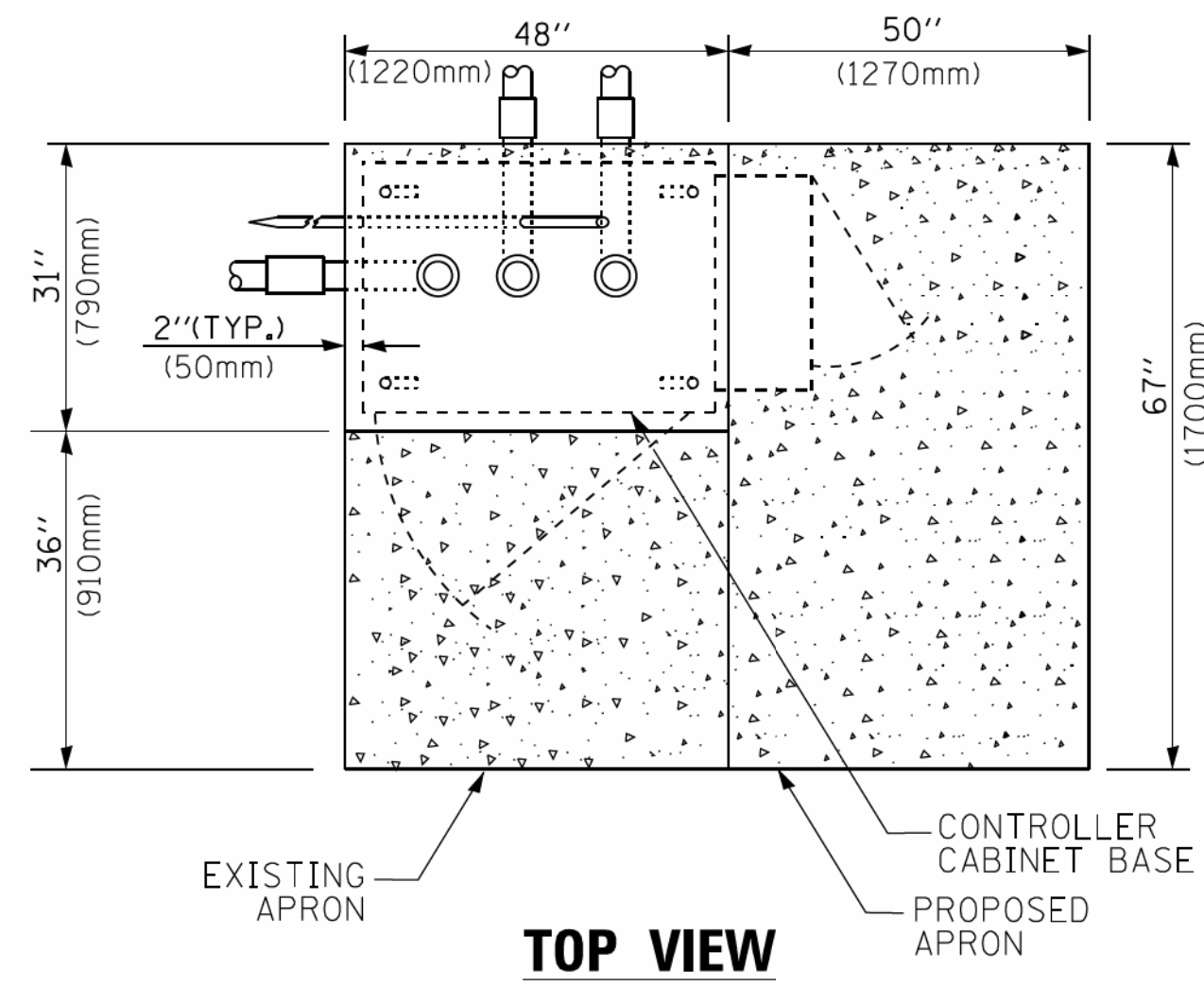


- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES. 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.

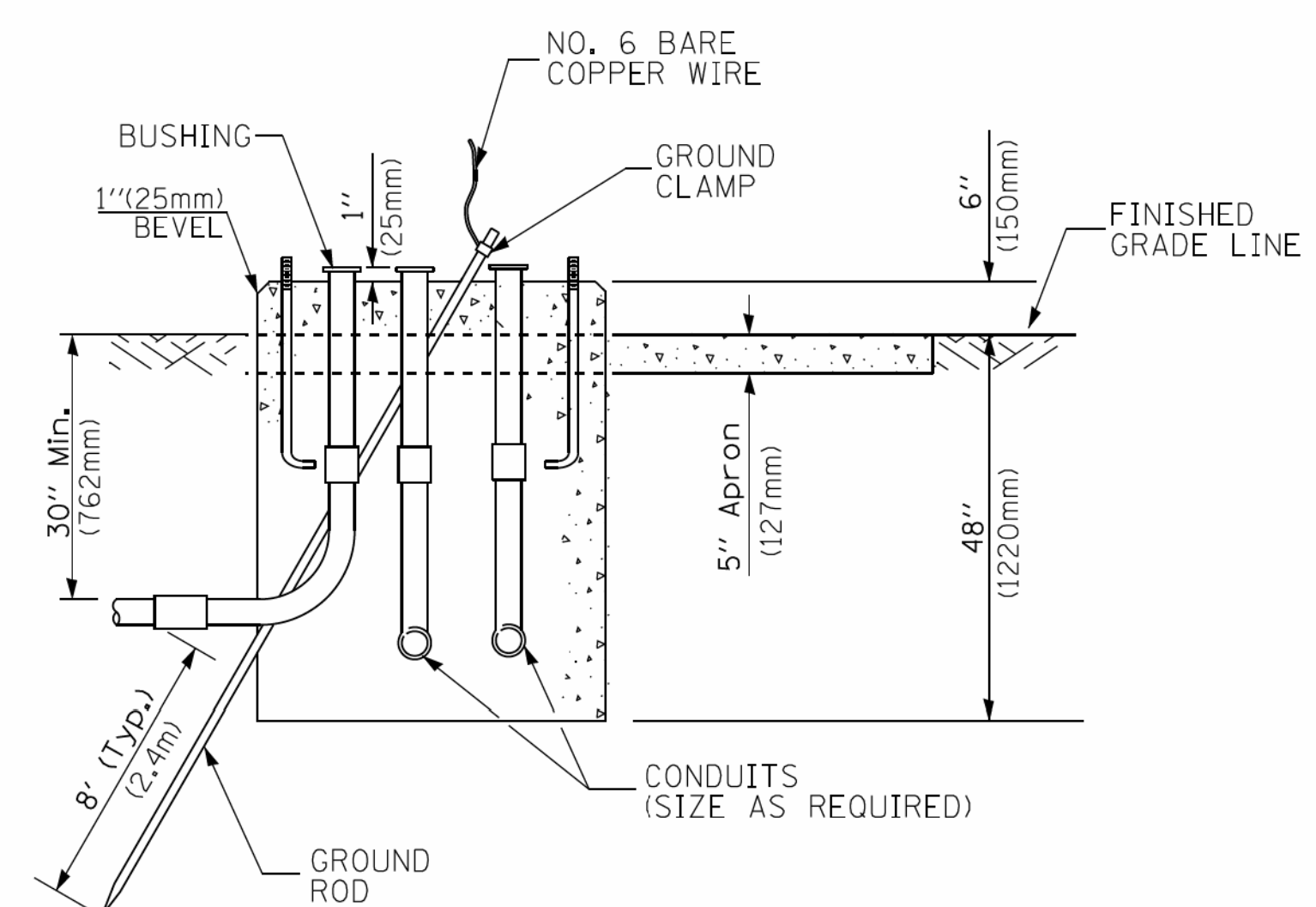


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 PROJECT: DISTRICT ONE TRAFFIC SIGNAL DESIGN
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 PLOT DATE: 1/13/2014

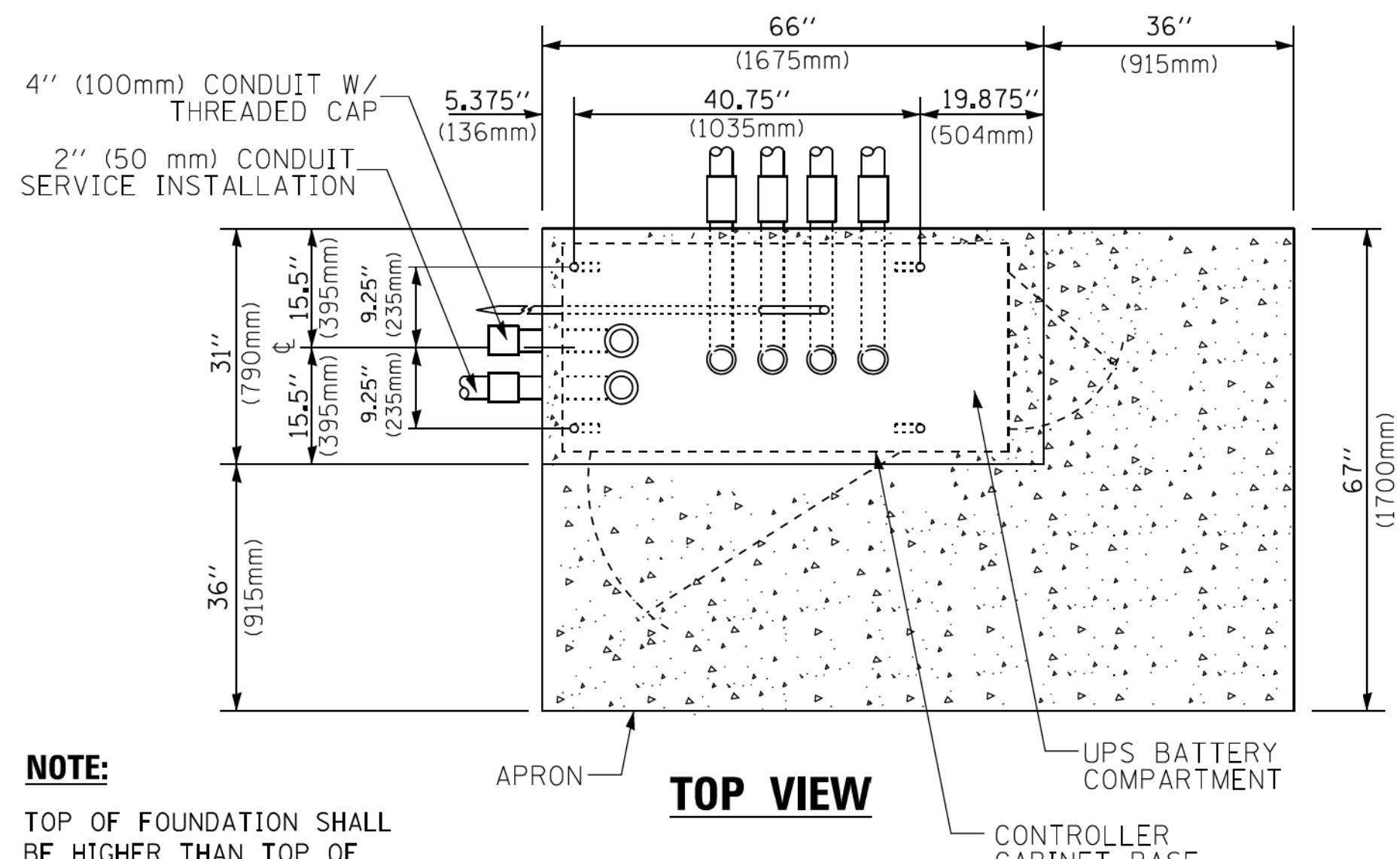
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DRAWN - BCK	CHECKED - DAD	REVISOR -	SCALE: NONE			SHEET NO. 4 OF 7 SHEETS	STA. TO STA.	TS-05		CONTRACT NO. 61C86	
PLOT SCALE = 50.0000' / 1"	DATE = 10-28-09	REVISOR -				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)					
PLOT DATE = 1/13/2014		REVISOR -									



TOP VIEW

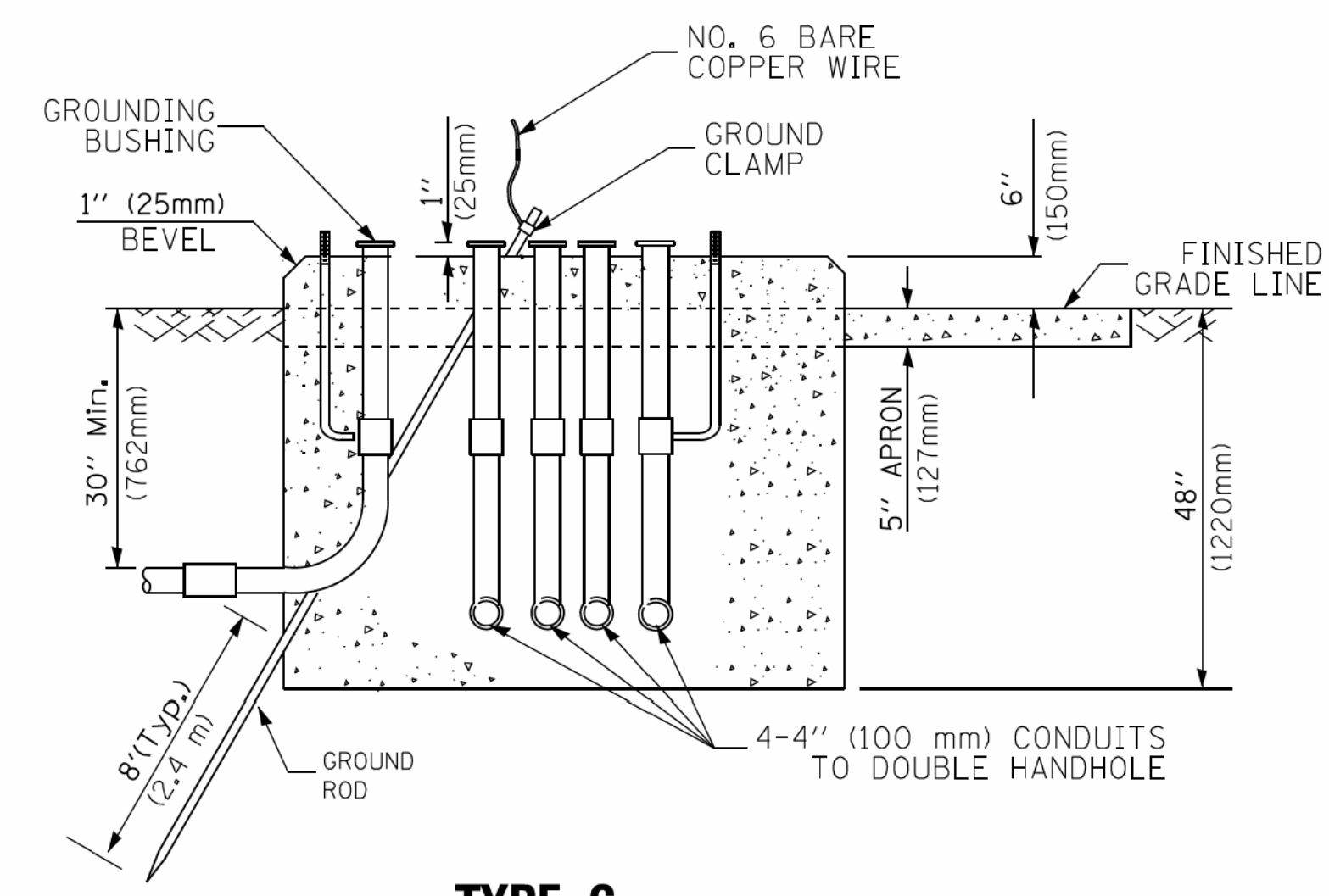


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

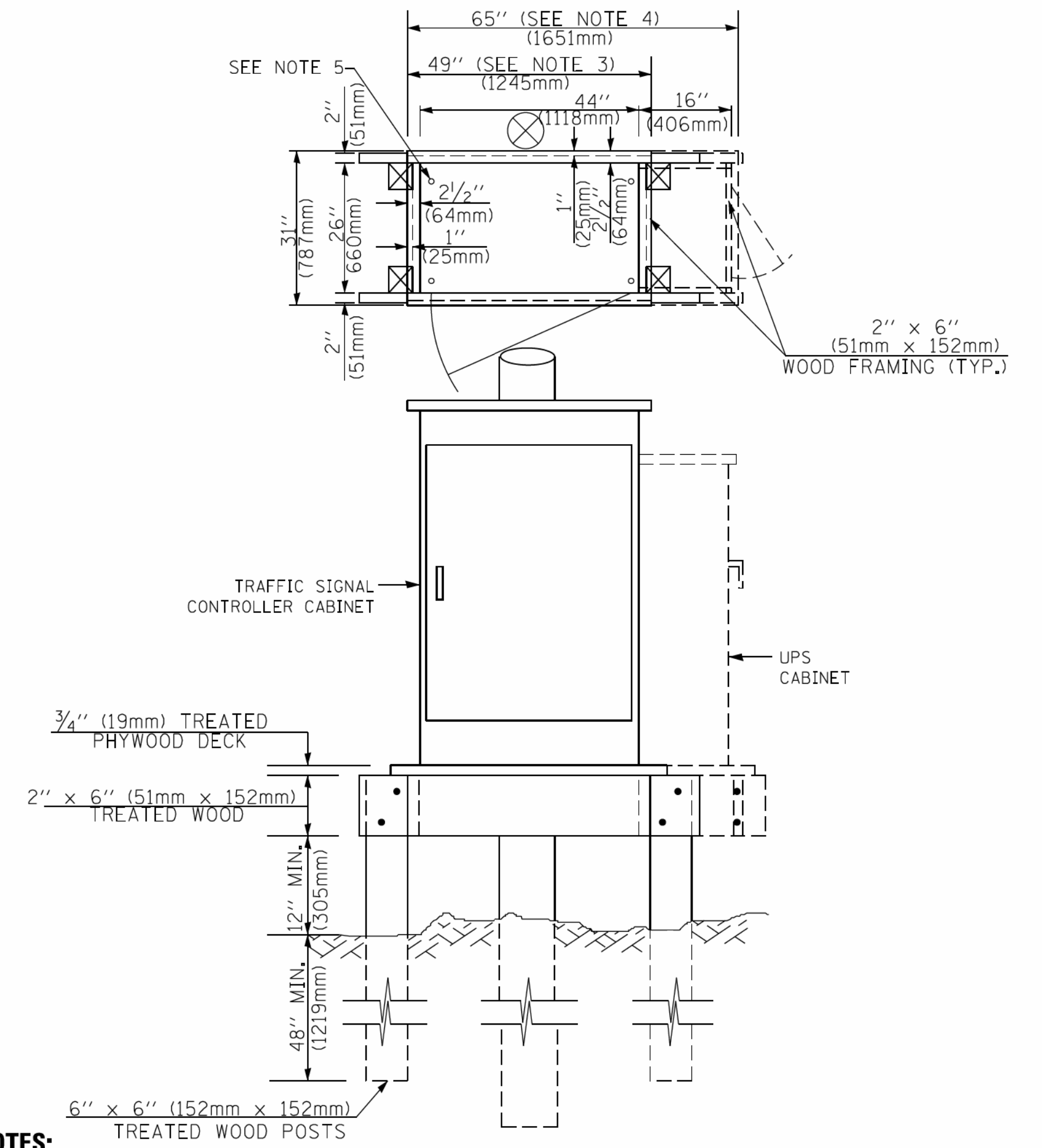


TOP VIEW

NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



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



NOTES:

1. 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.
2. 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.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. 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.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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	① 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 56' (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)

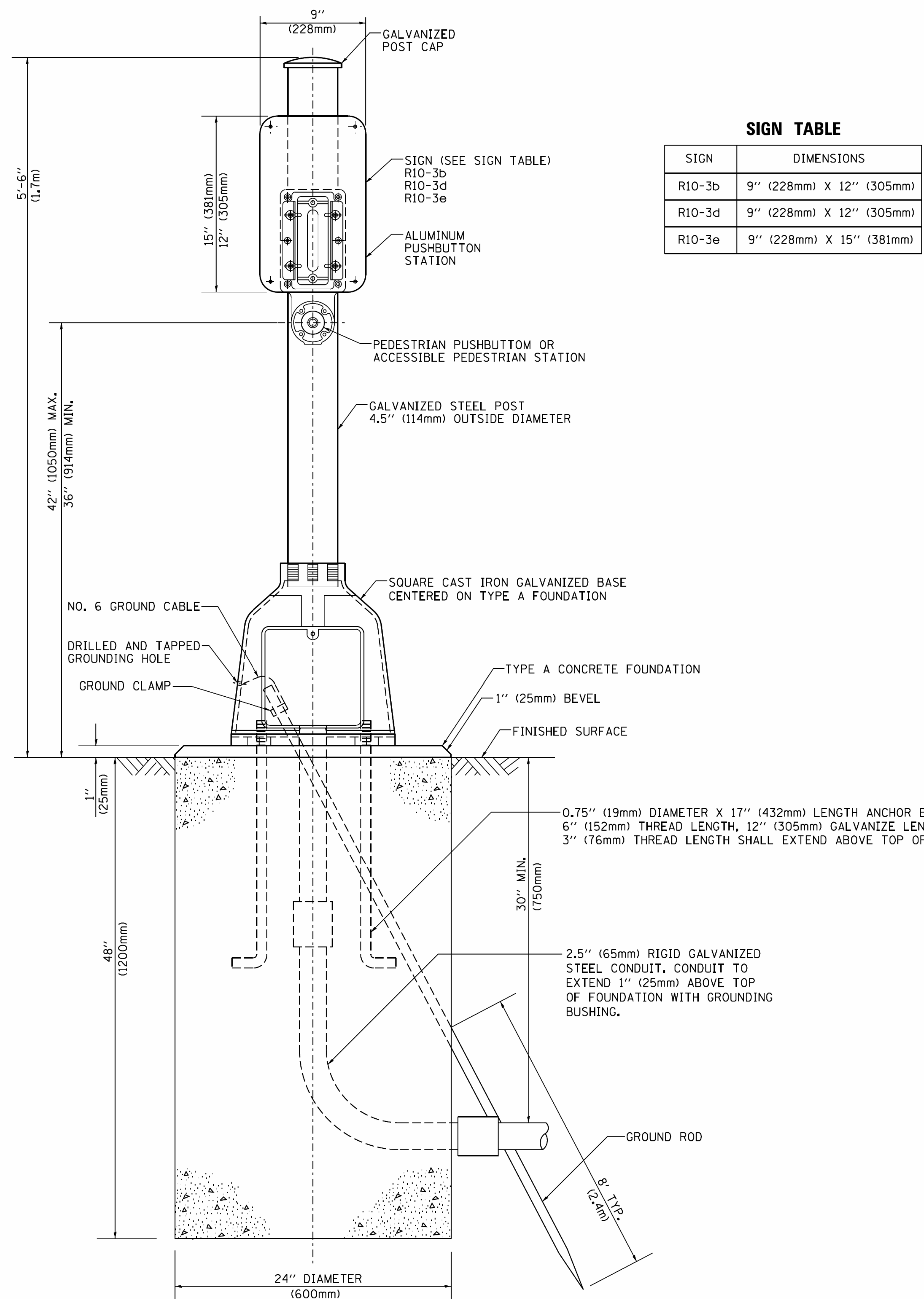
NOTES:

1. 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.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

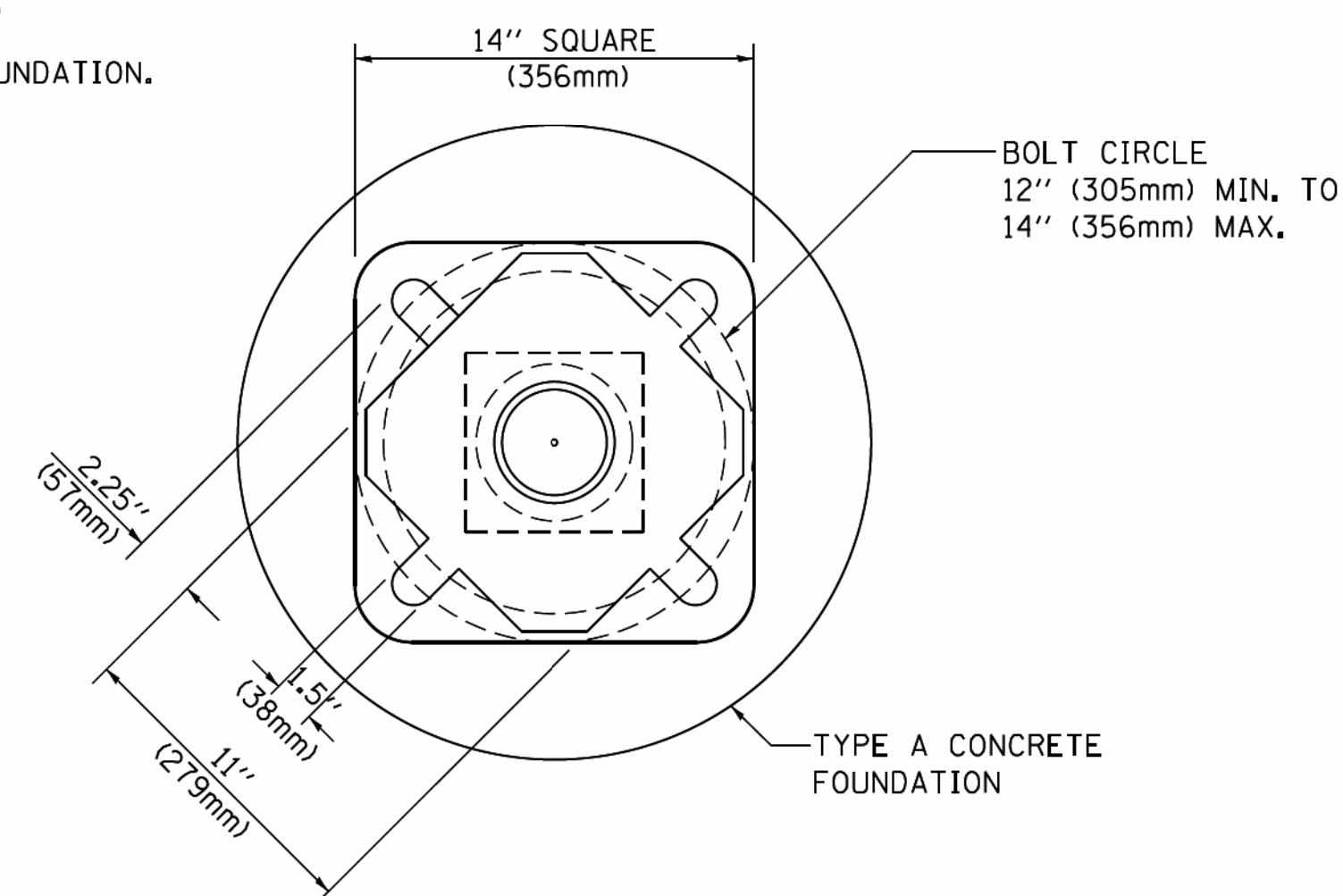
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 02/21/2014

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ca:\pwork\pwork\footemj\01108315\ts05.dgn	PLOT SCALE = 50.0000' / 1"	CHECKED - DAD	REVISED -		STANDARD TRAFFIC SIGNAL DESIGN DETAILS		TS-05		CONTRACT NO. 61C86		
PLOT DATE = 1/13/2014	DATE = 10-28-09	REVISED -	SCALE: NONE		SHEET NO. 5 OF 7 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



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

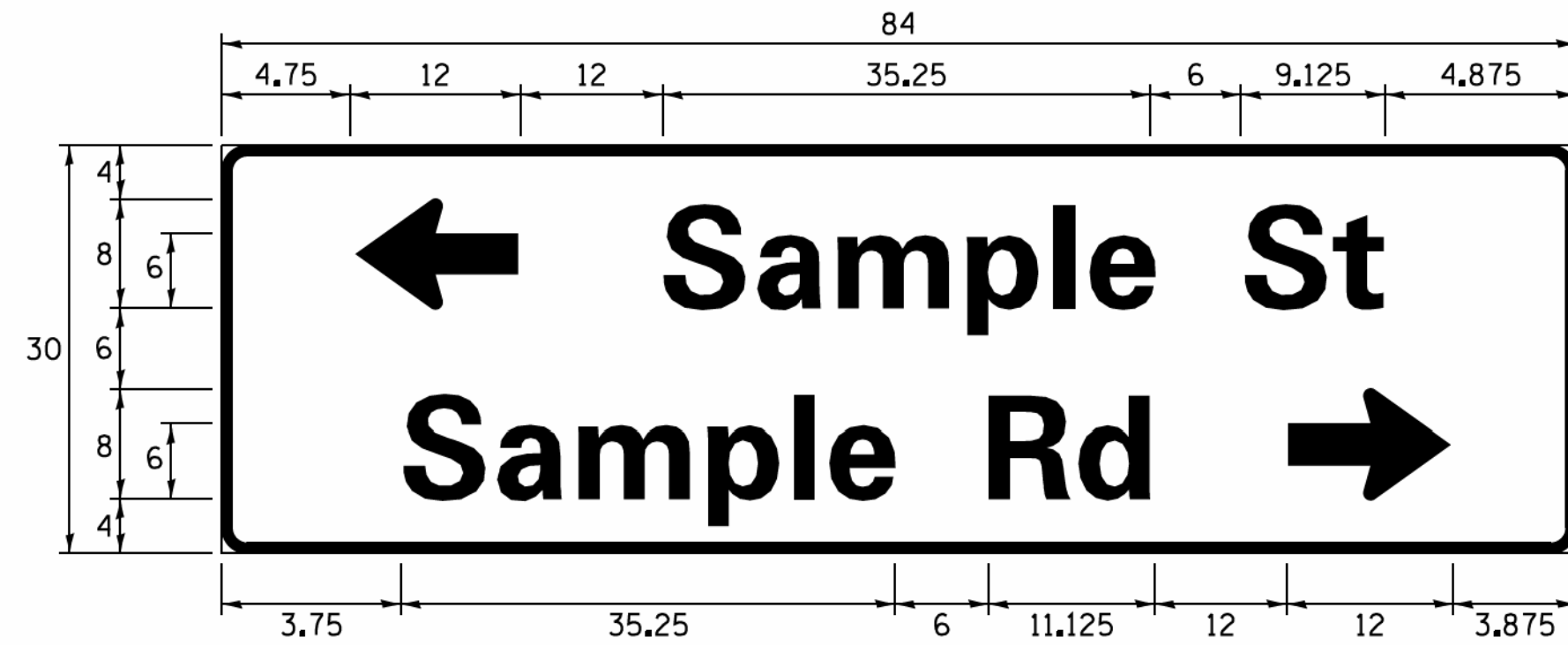
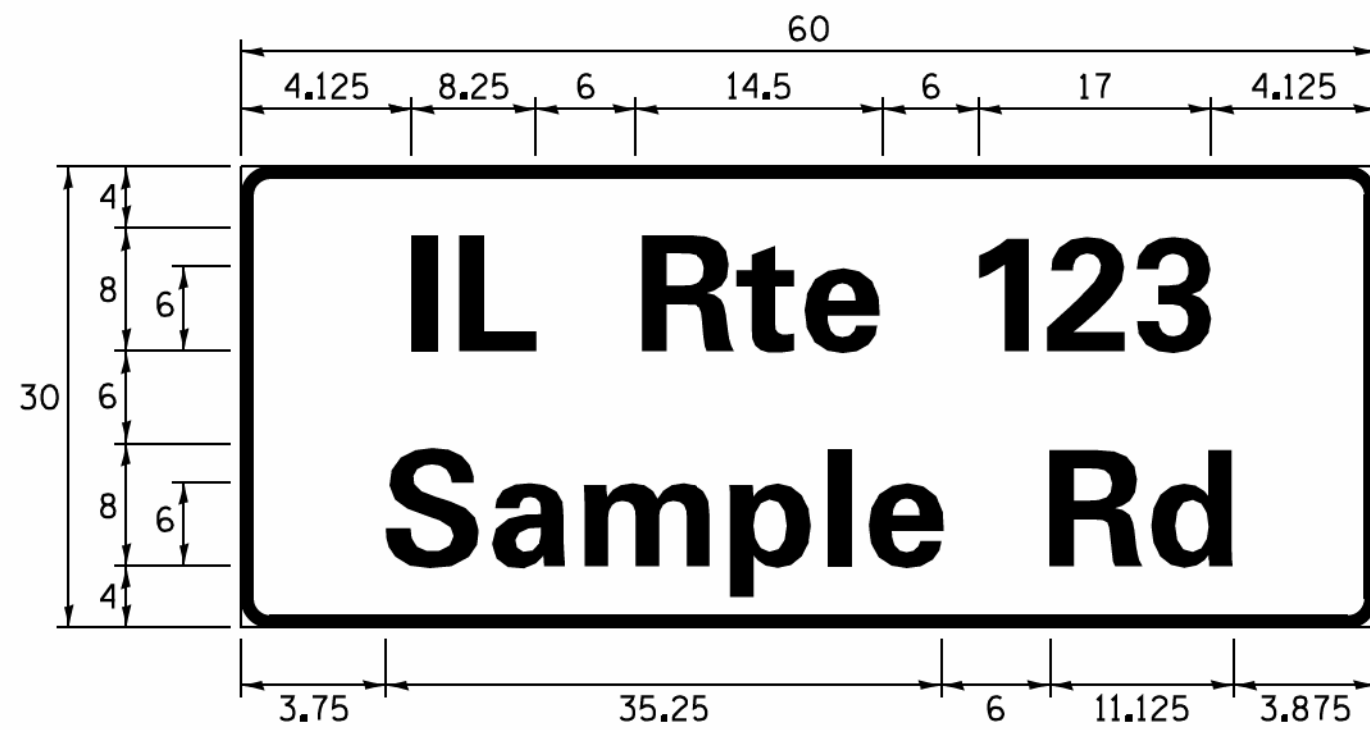
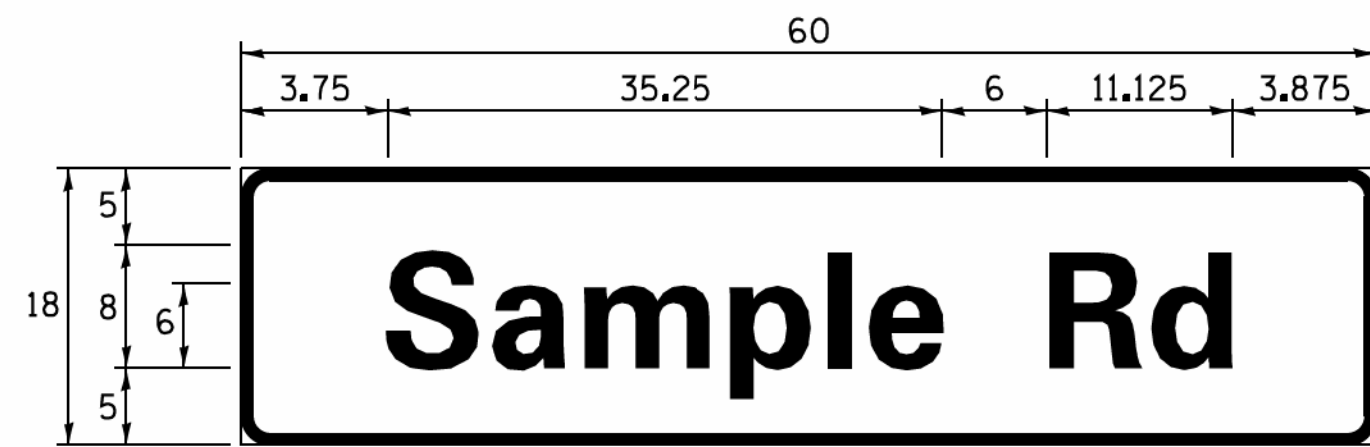
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	PLOT DATE = 1/13/2014	DATE - 10/1/2012	REVISED -

**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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	103
TS-05		CONTRACT NO. 61C86		
<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)</small>				

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

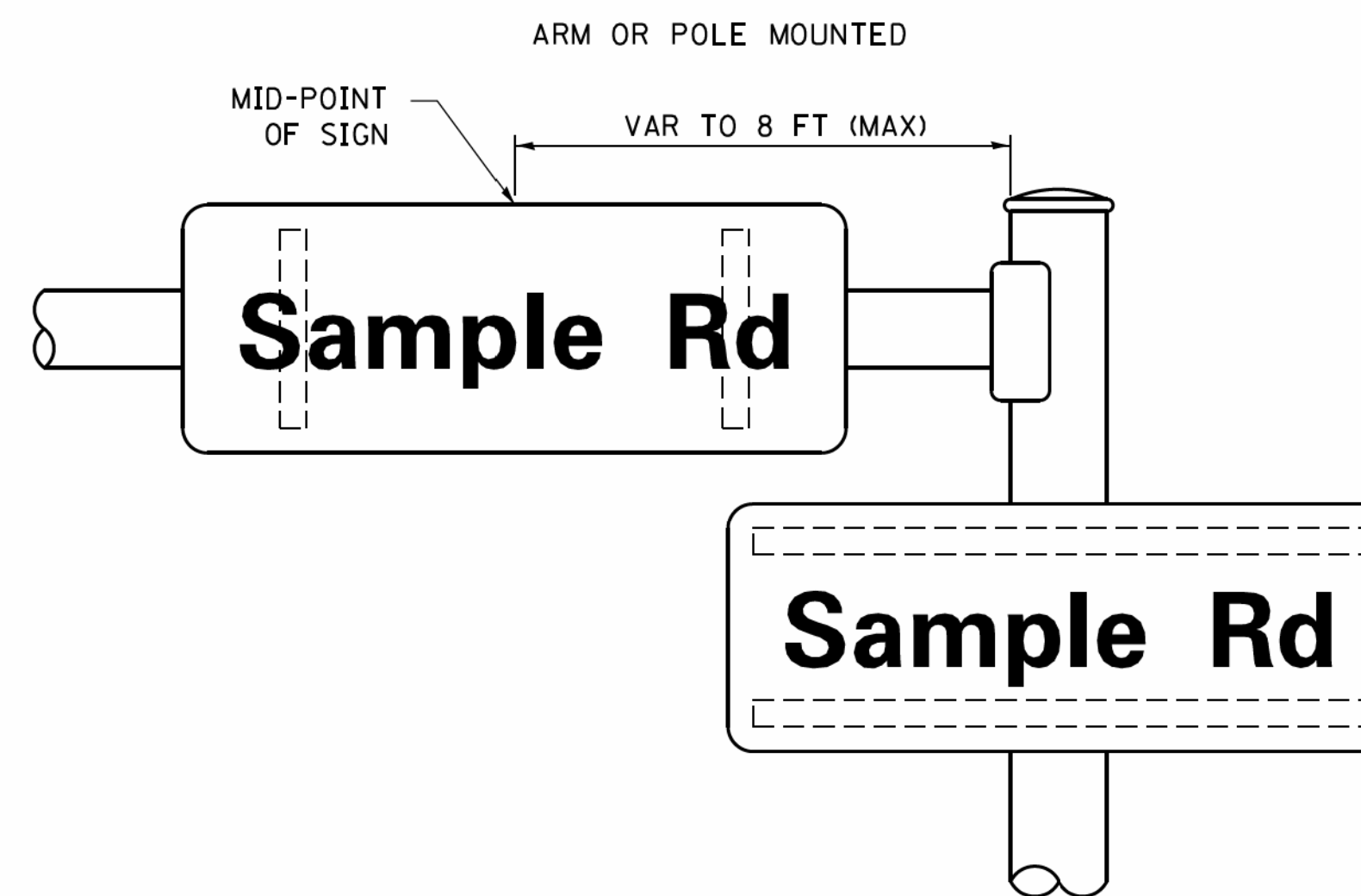
- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

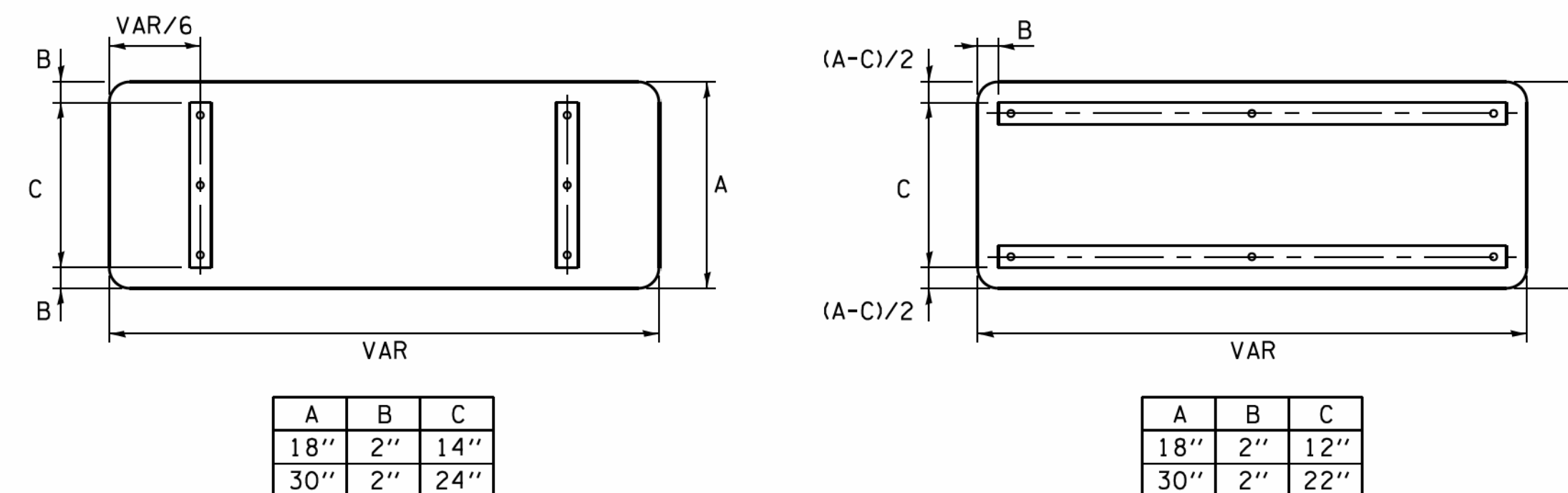
- SIGN CHANNEL PART *HPN053 (MED. CHANNEL)
1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
- SIGN SCREWS PART *HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
- BRACKETS

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION



SUPPORTING CHANNELS

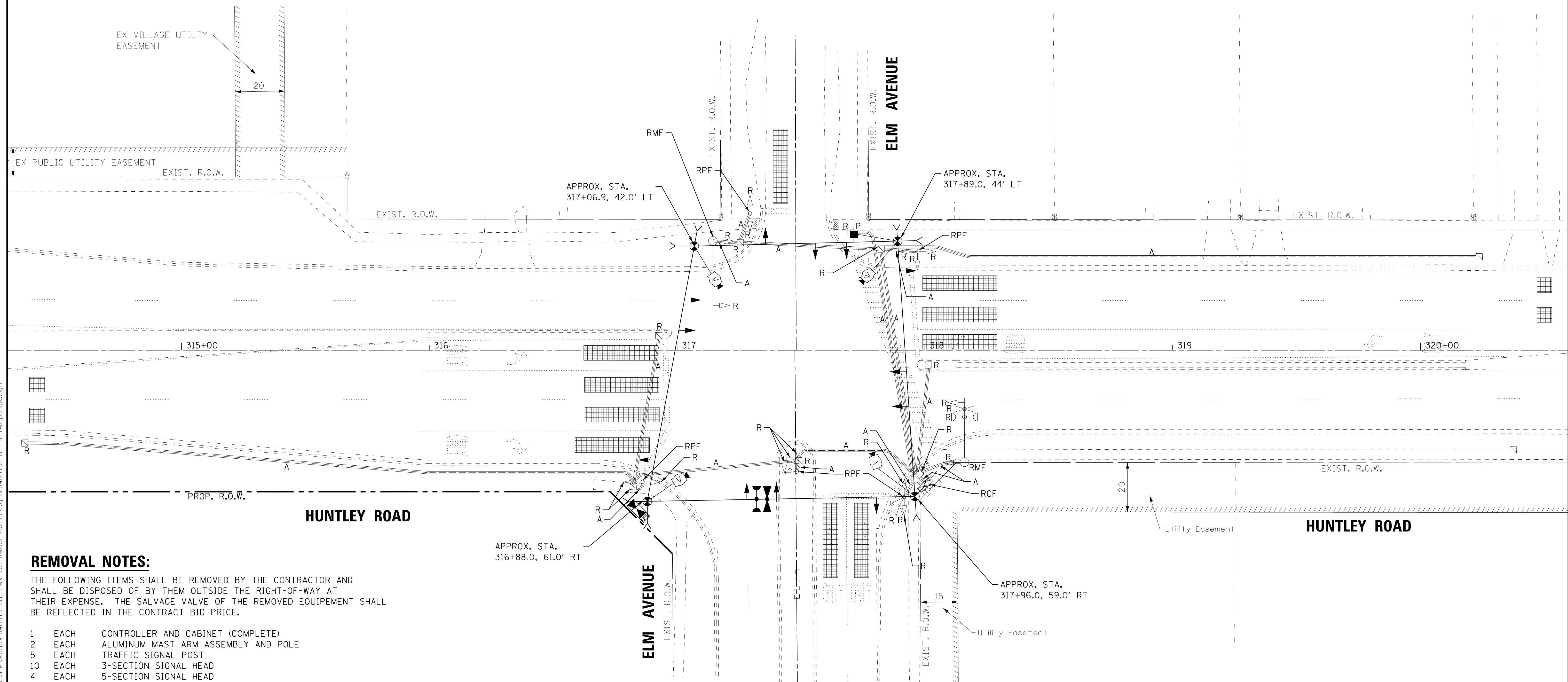


STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

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REMOVAL NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 2 EACH ALUMINUM MAST ARM ASSEMBLY AND POLE
- 5 EACH TRAFFIC SIGNAL POST
- 10 EACH 3-SECTION SIGNAL HEAD
- 4 EACH 5-SECTION SIGNAL HEAD
- 1 EACH SERVICE INSTALLATION
- 2 EACH TRAFFIC SIGNAL BACKPLATE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE VILLAGE OF CARPENTERSVILLE. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE VILLAGE AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 3 EACH CONFIRMATION BEACON
- 3 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

SIGNAL HEAD PLACEMENT FOR PRE-STAGE

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CHECKED - DTH	REVISED -
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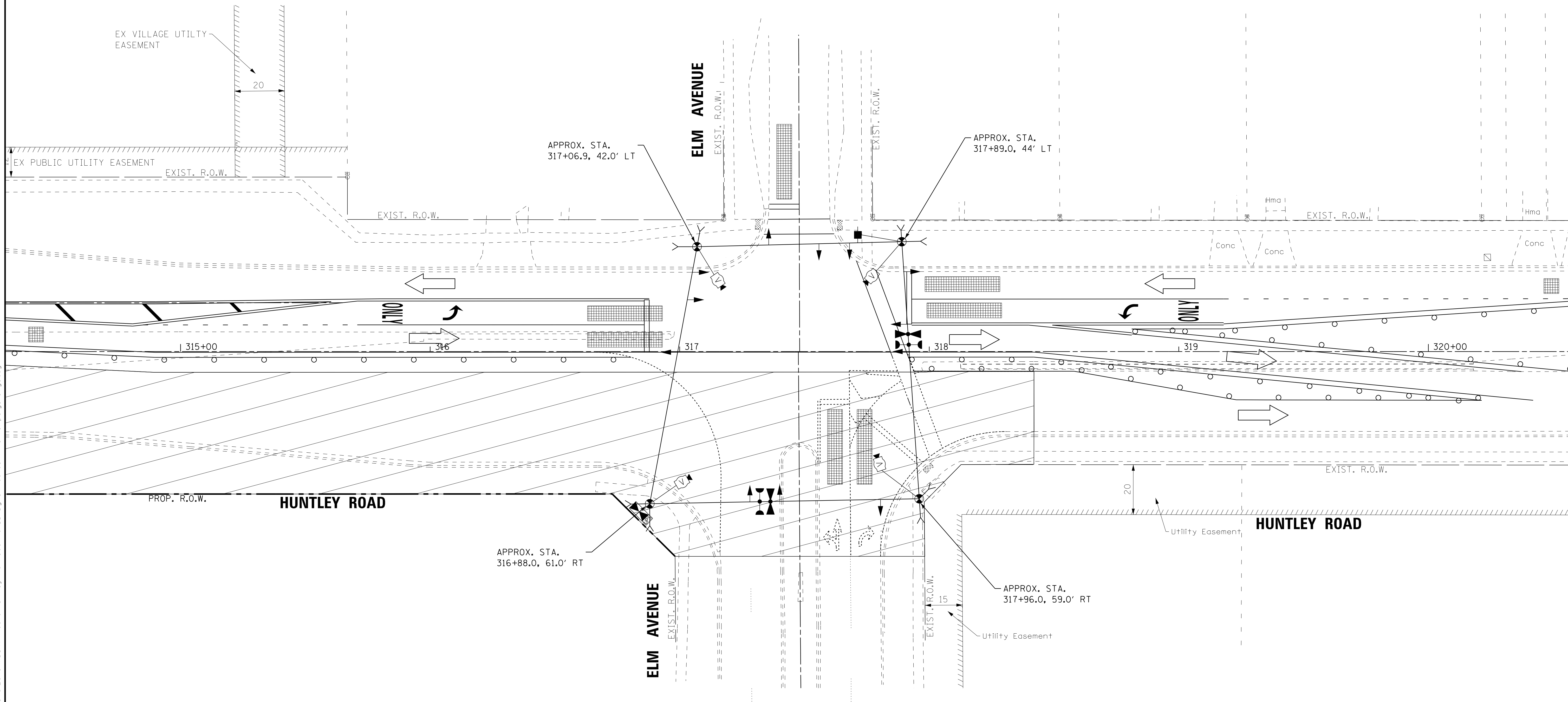
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
PRE-STAGE (SHEET 1 OF 1) HUNTLEY ROAD AND ELM AVENUE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	105
				CONTRACT NO. 61C86
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				

TS 14895
EAGLE 2A



SIGNAL HEAD PLACEMENT FOR STAGE 1

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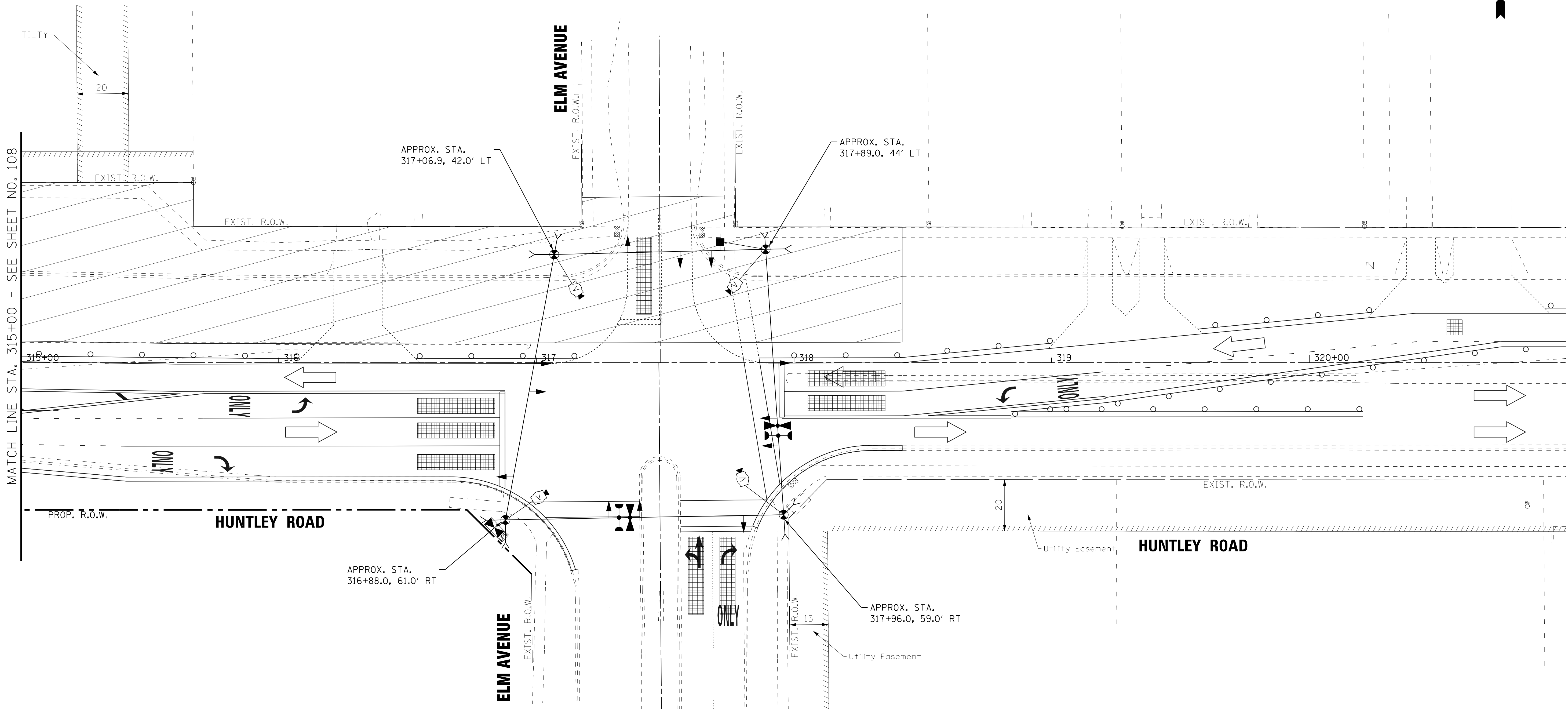
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
STAGE 1 (SHEET 1 OF 1)
HUNTLEY ROAD AND ELM AVENUE**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	106
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	

**TS 14895
EAGLE 2A**



MATCH LINE STA. 315+00 - SEE SHEET NO. 108

SIGNAL HEAD PLACEMENT FOR STAGE 2

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CHECKED -	DTH	REVISED -	
DATE -	10-09-17	FILE -	140879SHT-TS-TempSigs-Stage2.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
STAGE 2 (SHEET 1 OF 2)
HUNTLEY ROAD AND ELM AVENUE**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	107
				CONTRACT NO. 61C86
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)				

**TS 14895
EAGLE 2A**

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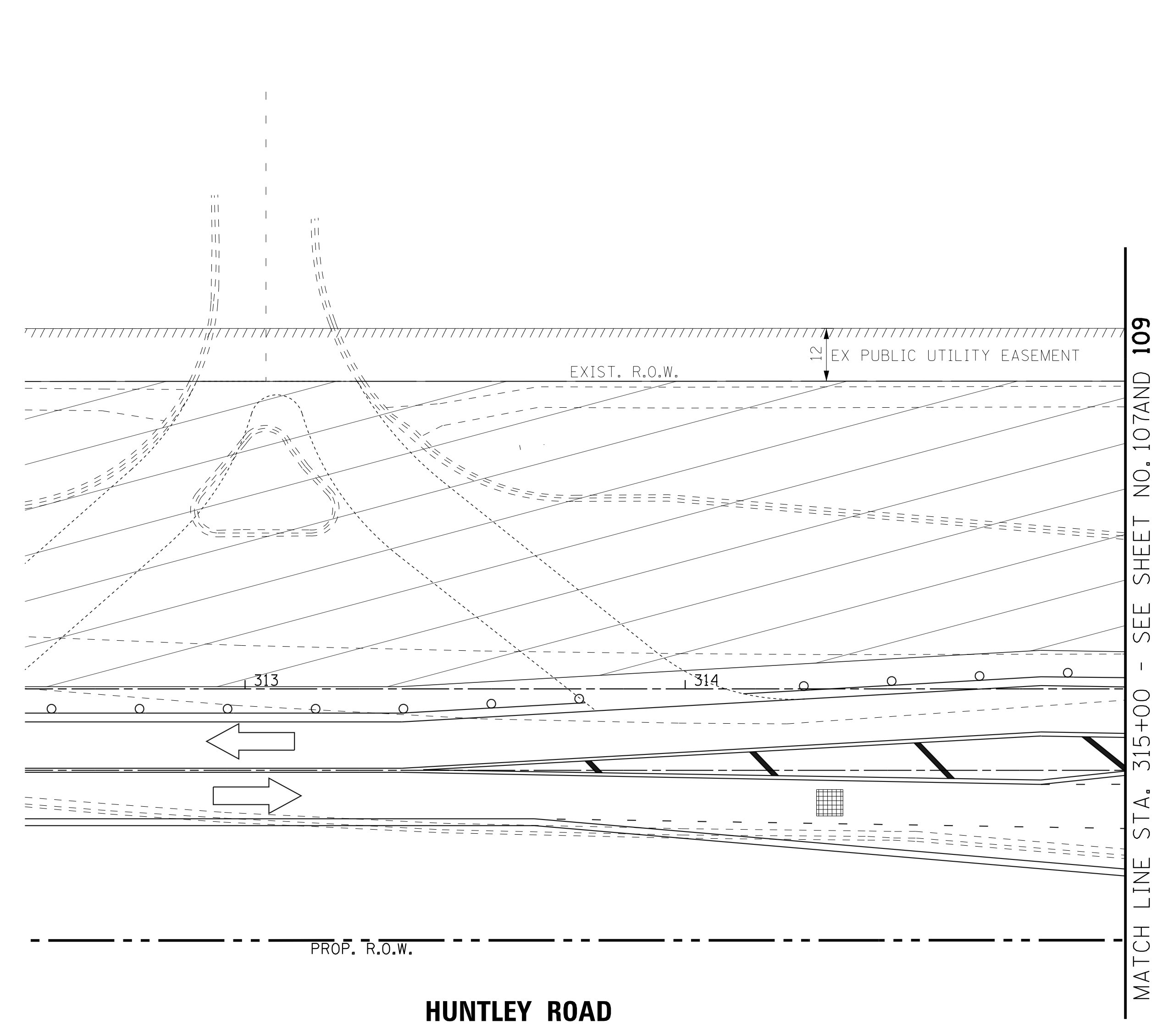
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

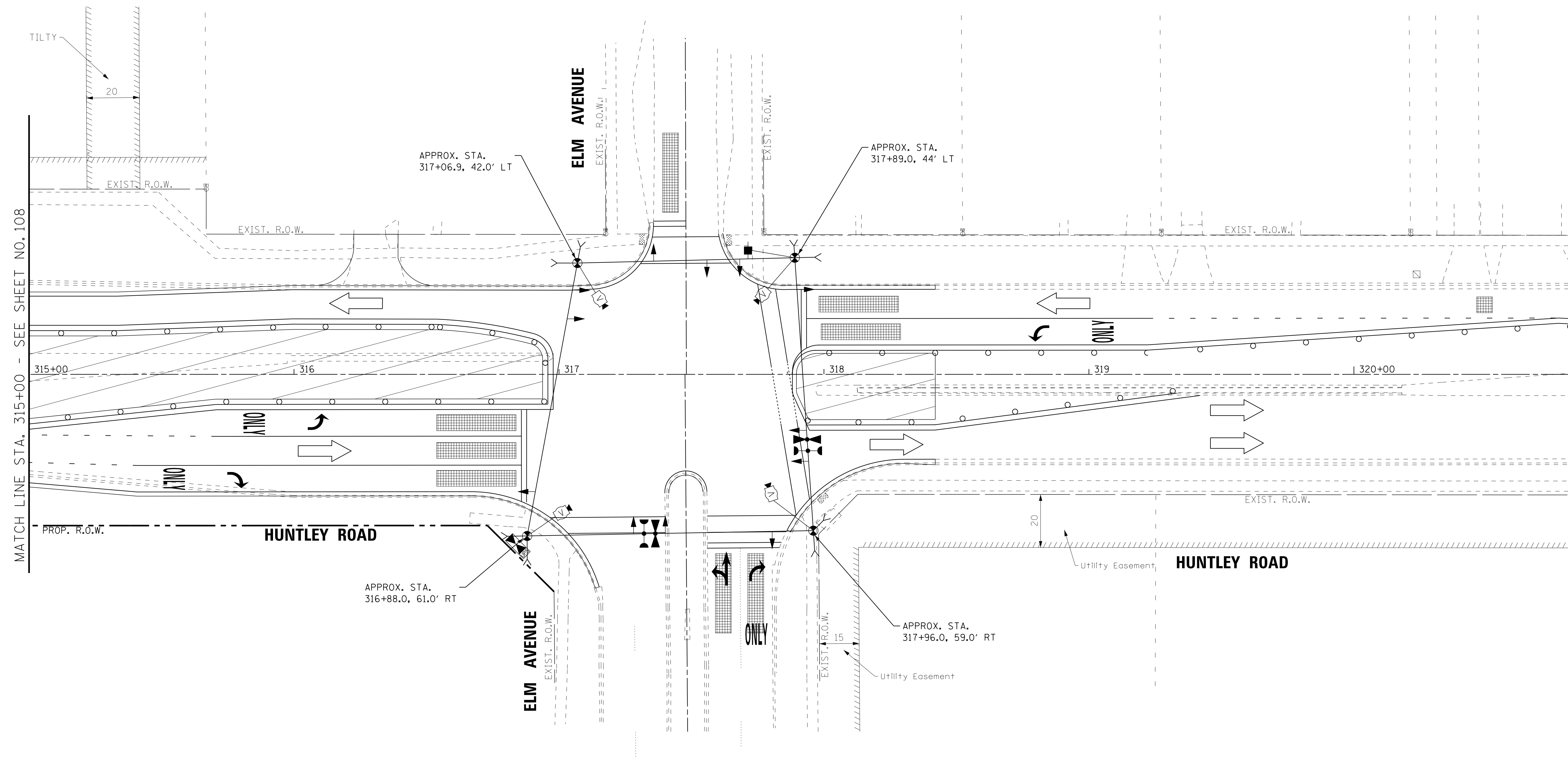
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
 STAGE 2 & 3 (SHEET 2 OF 2)
 HUNTLEY ROAD AND ELM AVENUE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	108
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	

TS 14895
 EAGLE 2A





SIGNAL HEAD PLACEMENT FOR STAGE 3

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DRAWN - UKB	REVISED -
CHECKED - DTH	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

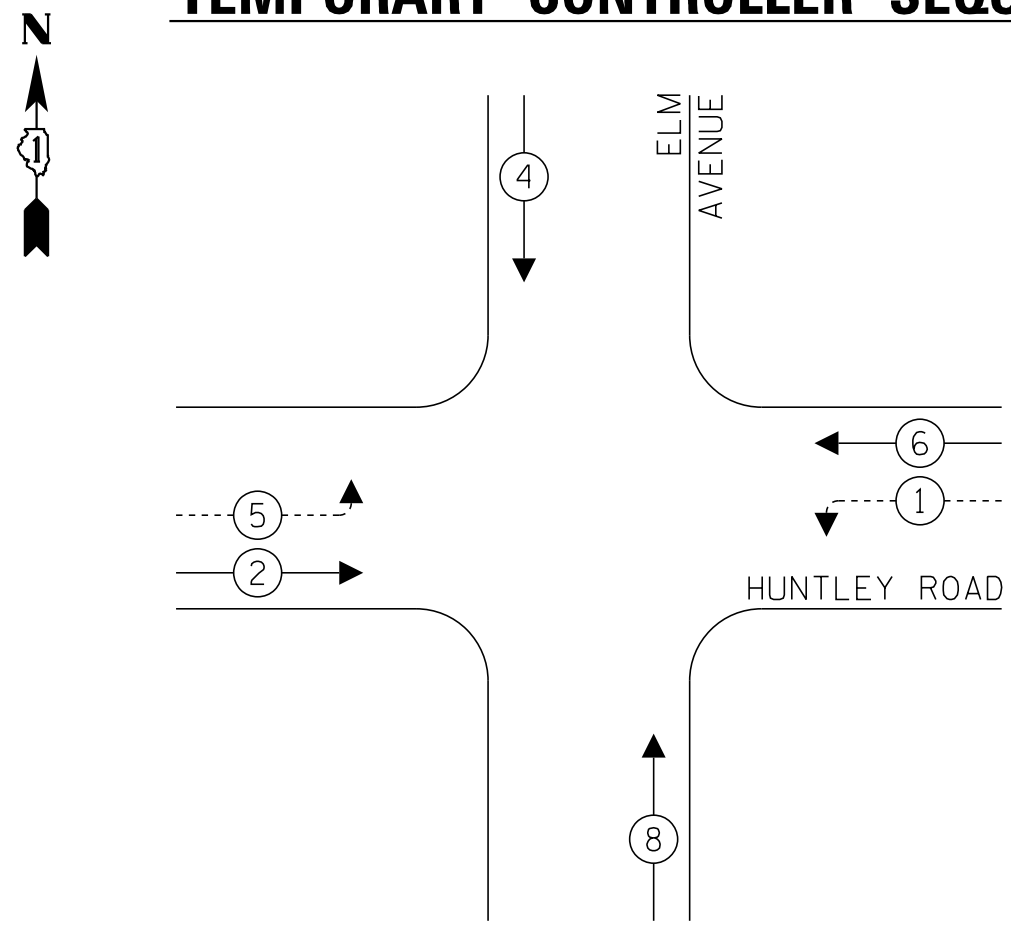
**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
STAGE 3 (SHEET 1 OF 2)
HUNTLEY ROAD AND ELM AVENUE**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	109
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)	

**TS 14895
EAGLE 2A**

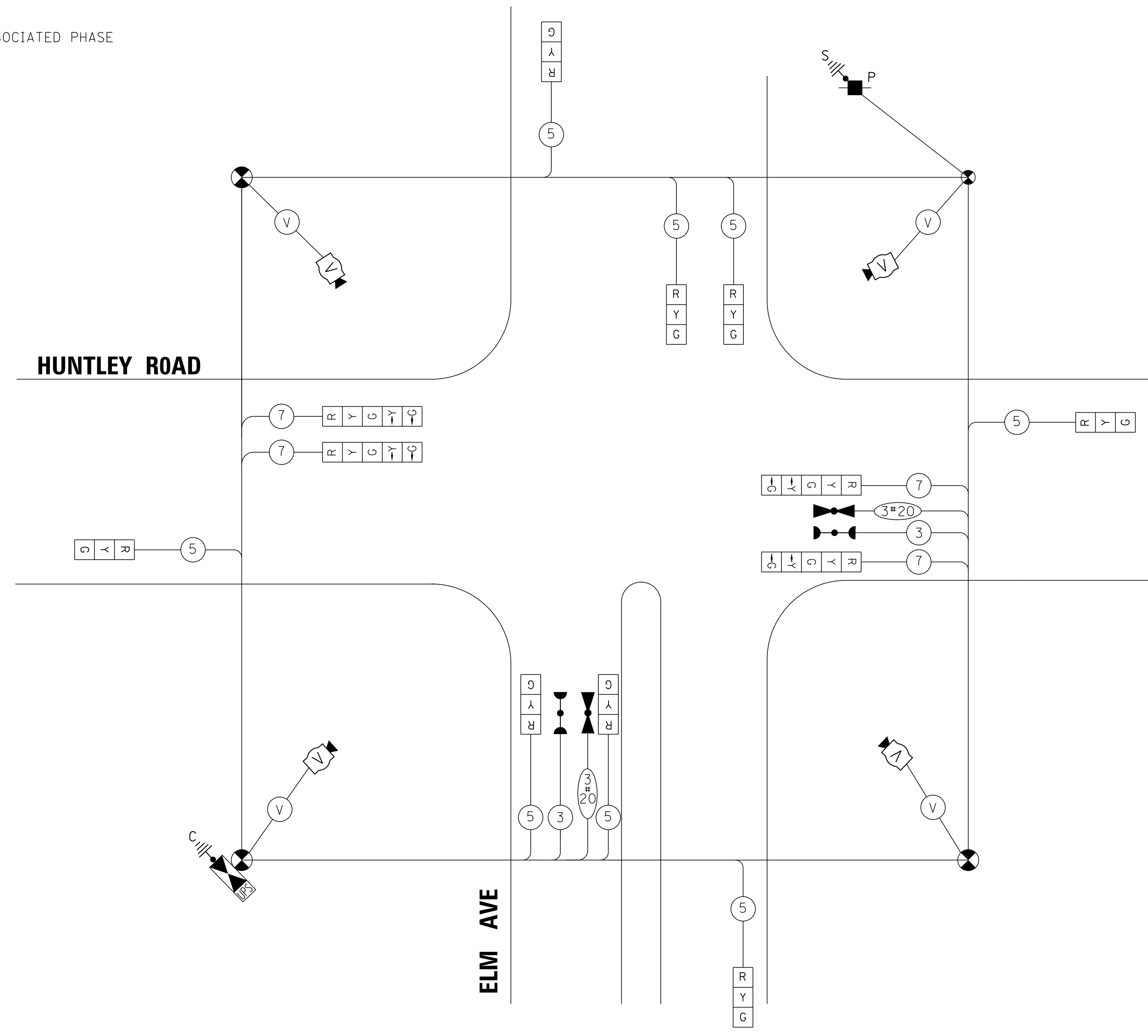
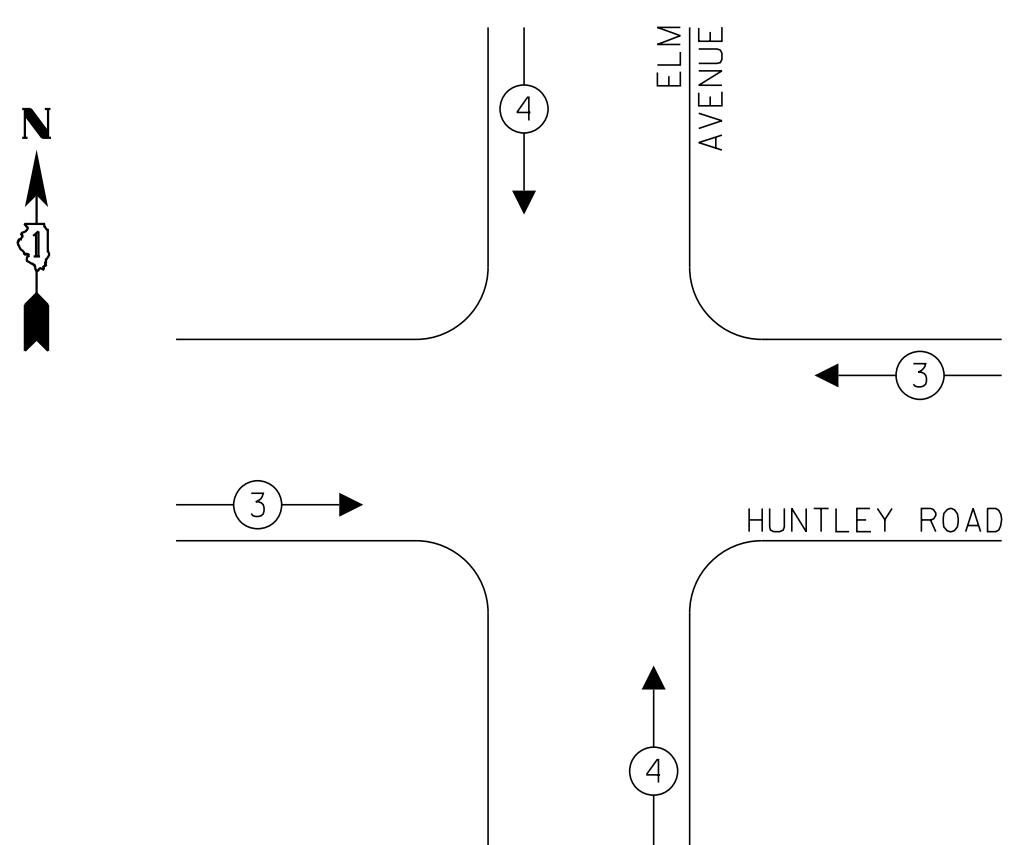
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← * ···· → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP
- * NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	0	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				425.8

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAY/DISTRICT 1
 201 WEST CENTER COURT/SCHAUMBURG, IL 60196-1096
 ENERGY SUPPLY: CONTACT: -----
 PHONE: -----
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

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	DRAWN - UKB	REVISED -
	CHECKED - DTH	REVISED -
	DATE - 10-09-17	FILE - 140879SHT-TS-TempCable.dgn

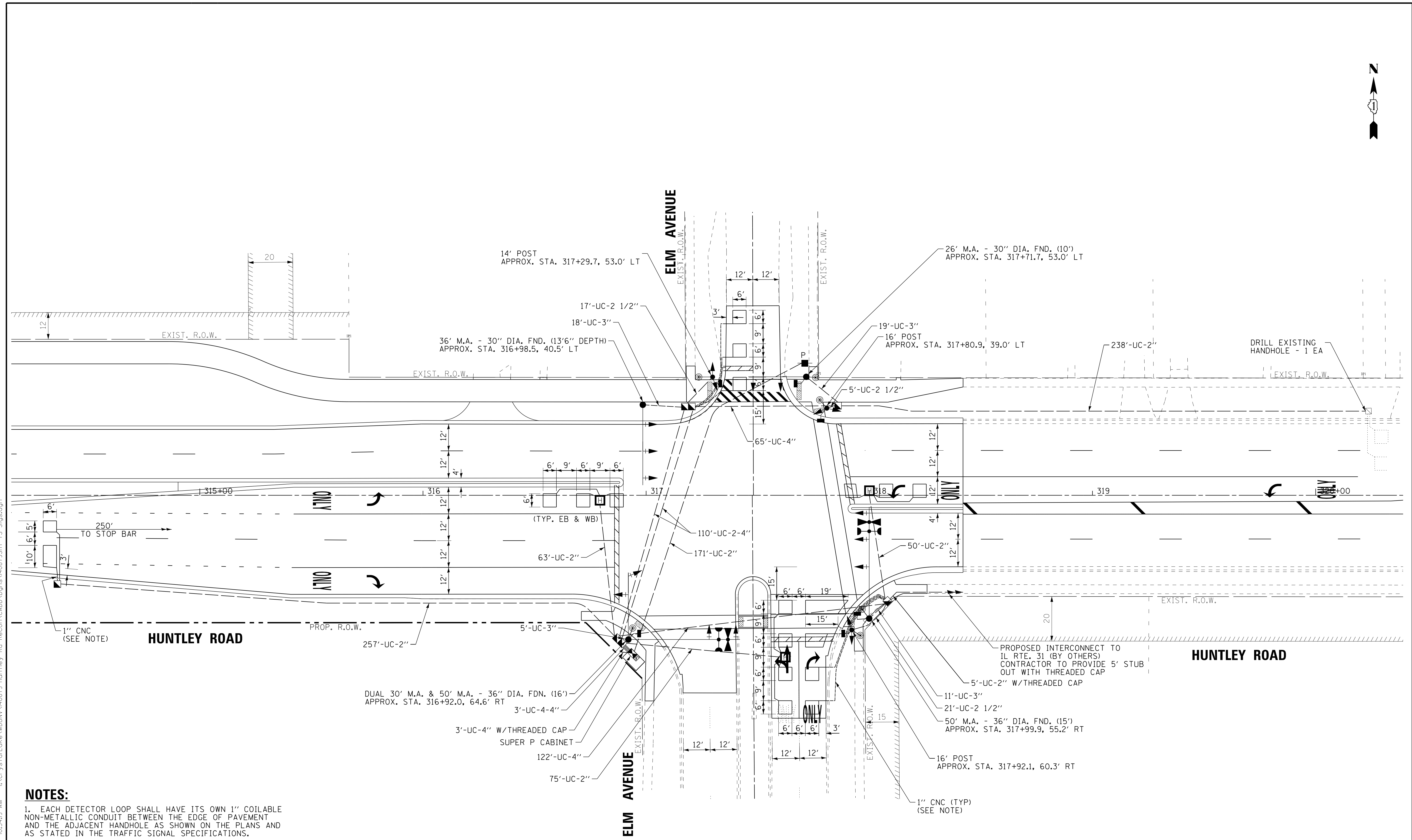
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PRE-STAGE AND STAGES 1, 2, 3
 TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM
 AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
 HUNTLEY ROAD AND ELM AVENUE**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	110
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	

**TS 14895
 EAGLE 2A**



NOTES:
 1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

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DRAWN - UKB	REVISED -
CHECKED - DTH	REVISED -
DATE - 10-09-17	FILE - 140879SHT-TS-Sigs.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

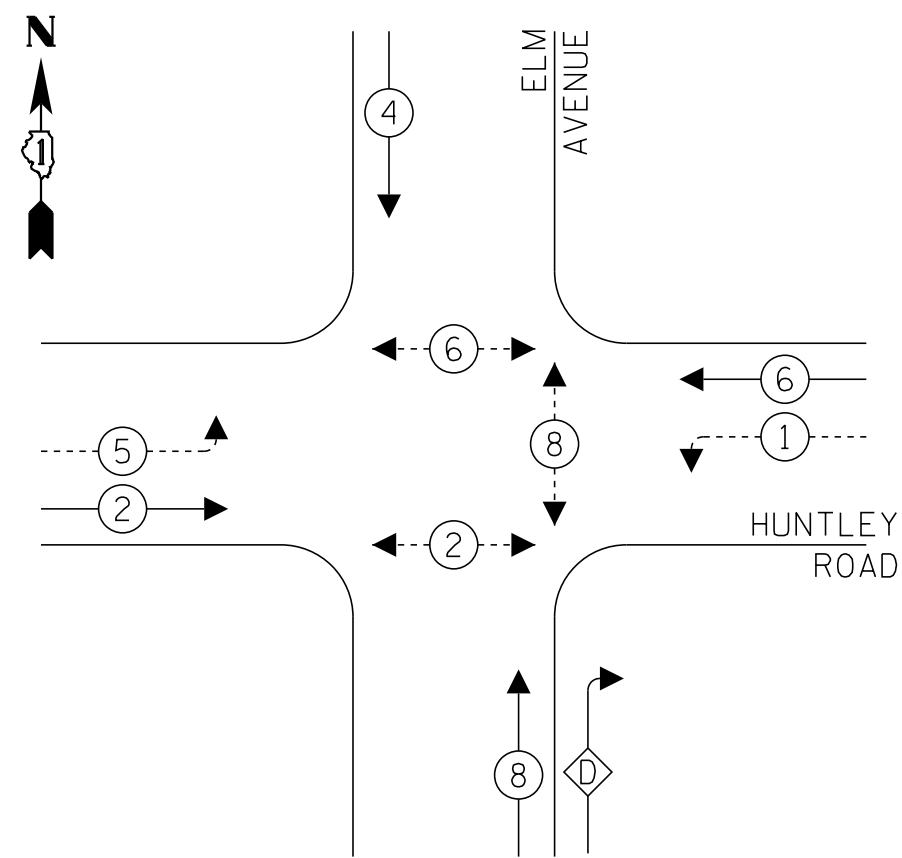
**TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 1)
 HUNTLEY ROAD AND ELM AVENUE**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	111
				CONTRACT NO. 61C86
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)				

**TS 14895
 EAGLE 2A**

PROPOSED CONTROLLER SEQUENCE



LEGEND:

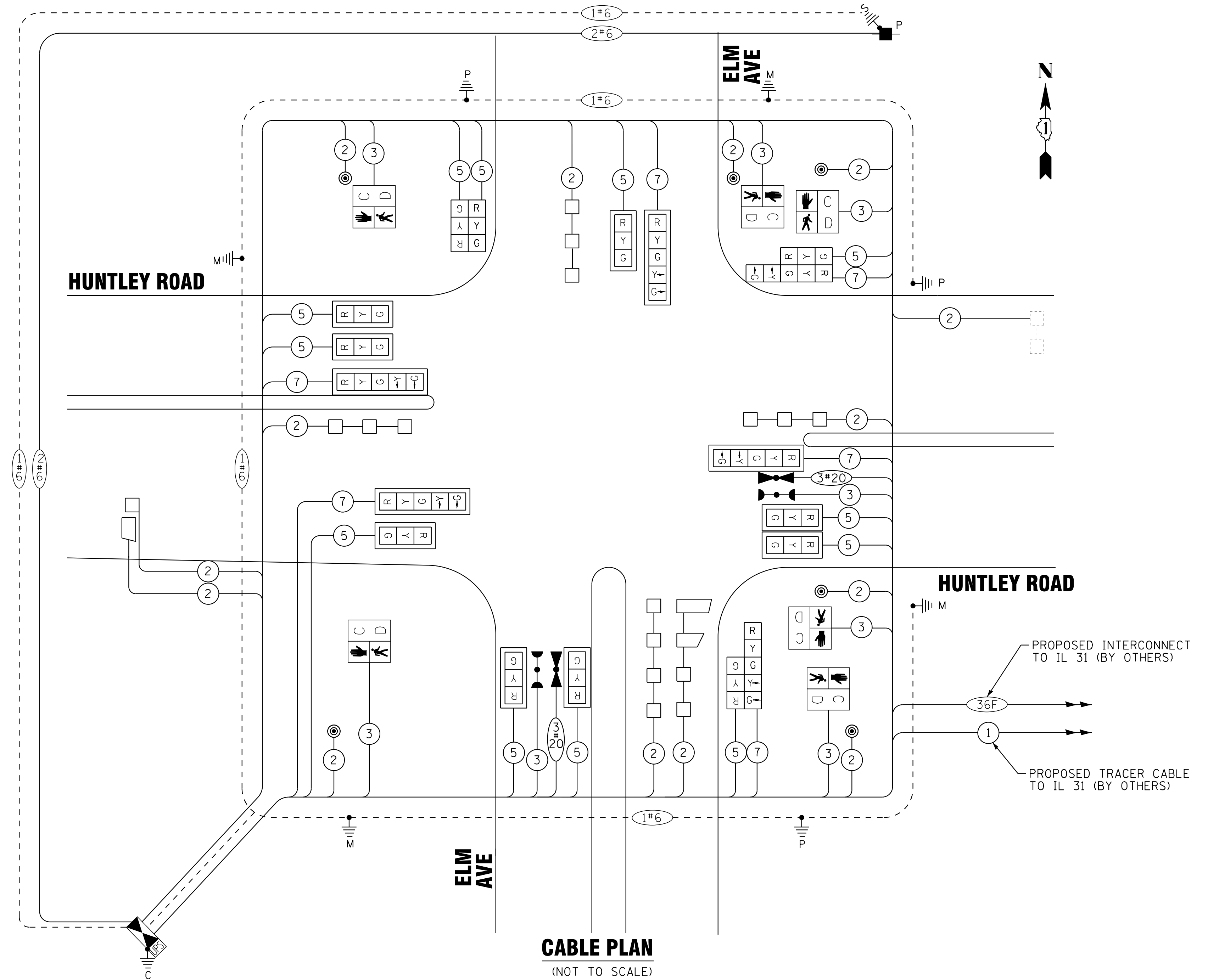
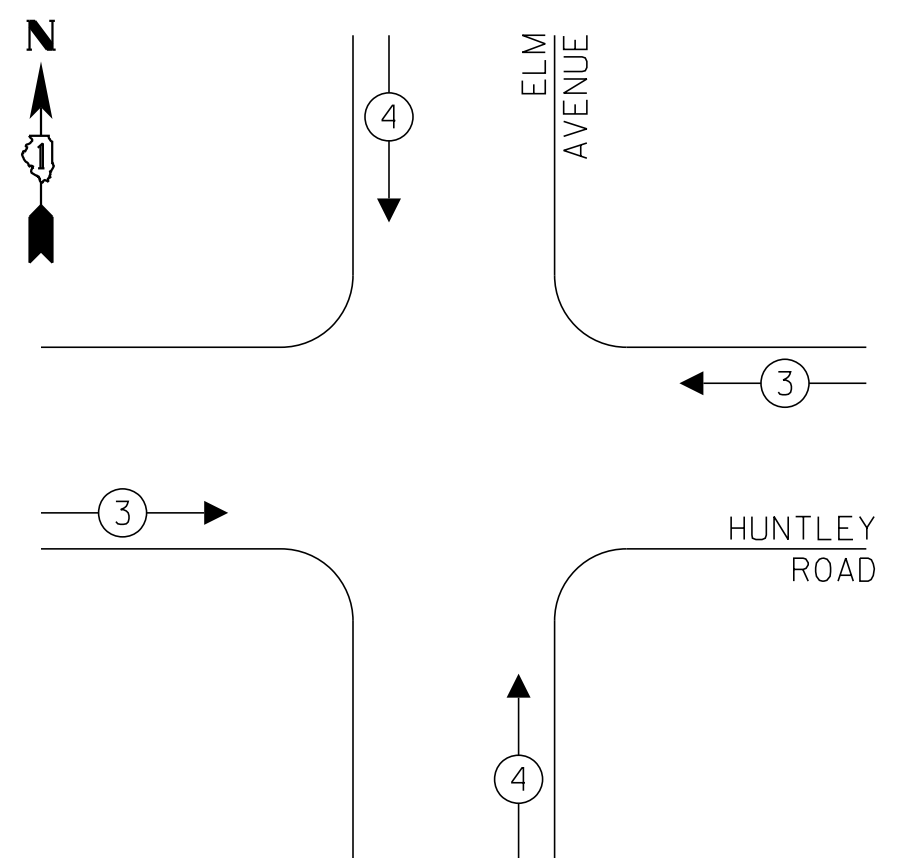
- ← (⊙) ← PROTECTED PHASE
- ← (⊙) ····· PROTECTED/PERMITTED PHASE
- ← (⊙) → PEDESTRIAN PHASE
- ← (⊙) OL OVERLAP

RIGHT TURN OVERLAP

PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 8	+ 1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN
(NOT TO SCALE)

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	12	10	10	12.0
PED. SIGNAL	6	20	100	120.0
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	-
LUMINAIRE	-	-	-	-
TOTAL =				471.2

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY: CONTACT: ---
PHONE: ---
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

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CHECKED - DTH	REVISED -
DATE - 10-09-17	FILE - 140879SHT-TS-Cable.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

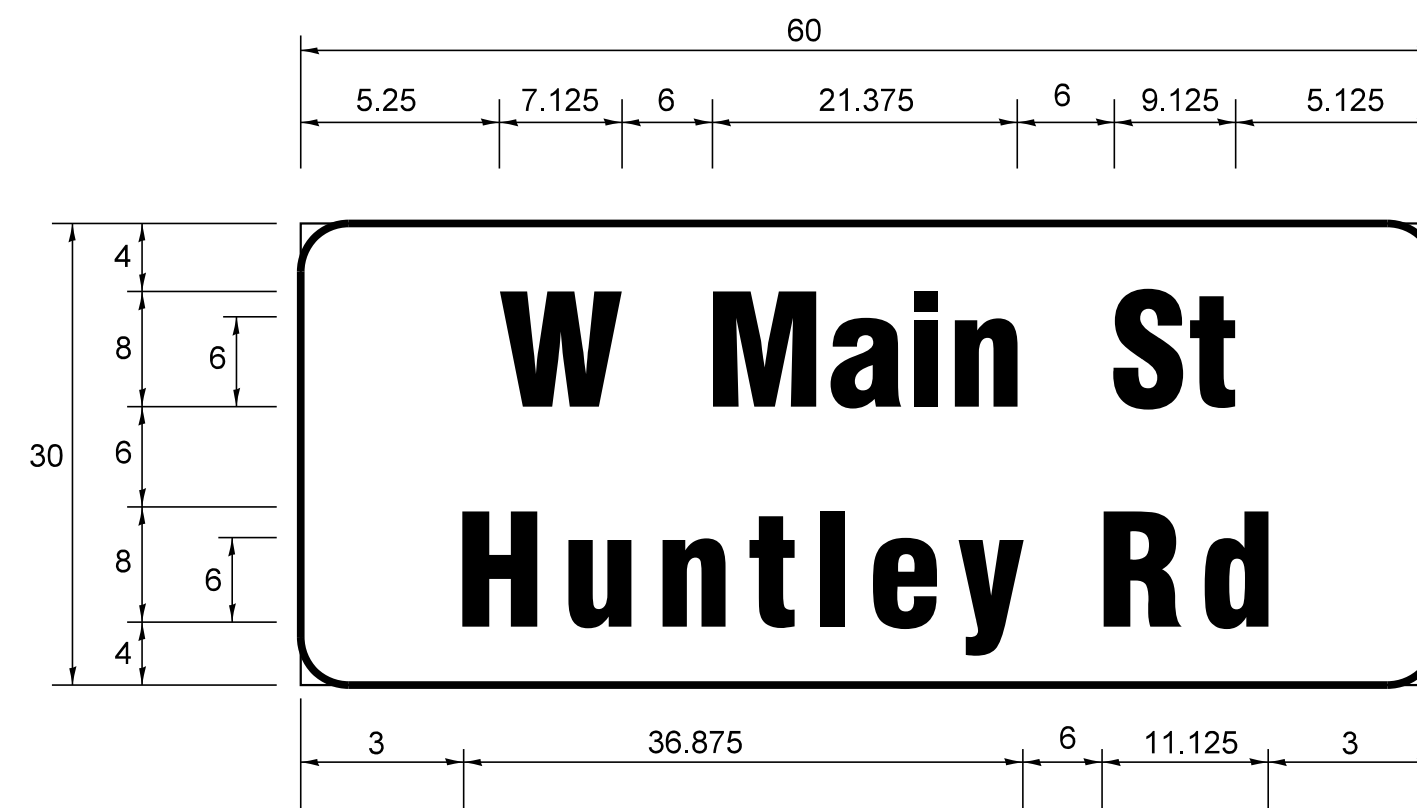
CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
HUNTLEY ROAD AND ELM AVENUE

SCALE: NONE SHEET OF SHEETS STA. TO STA.

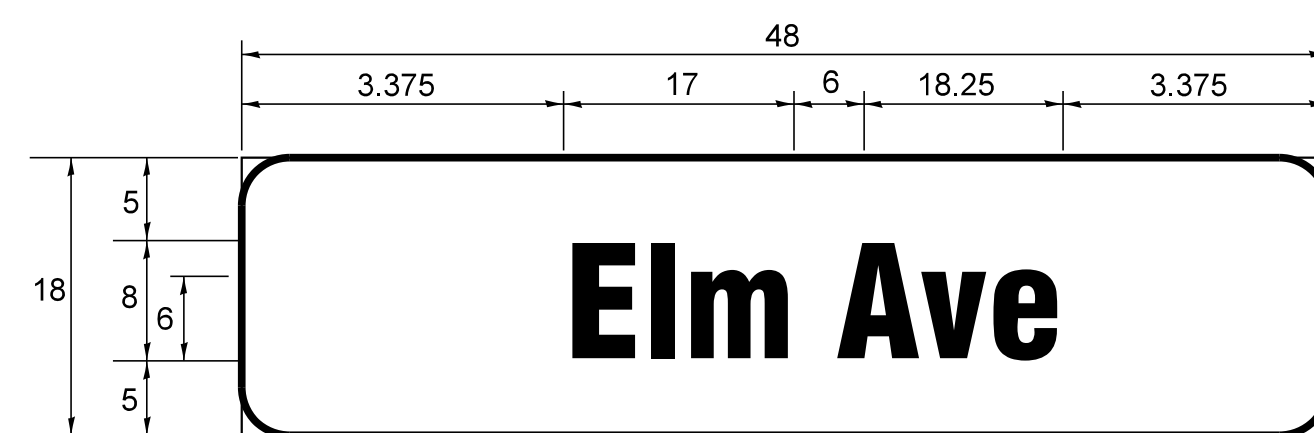
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	112
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)				

TS 14895
EAGLE 2A

PANEL SIGN - TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	12.5	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.0	1	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL

SCHEDULE OF QUANTITIES

SCHEDULE OF QUANTITIES		
ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	12
SIGN PANEL - TYPE 2	SQ FT	25
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	859
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	43
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	53
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	422
HANDHOLE	EACH	3
HEAVY DUTY HANDHOLE	EACH	3
DOUBLE HANDHOLE	EACH	2
TRANSCIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	1,048
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	1,414
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	2,168
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	1,228
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2,182
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	191
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,191
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 50 FT. AND 30 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	24
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	31
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	8
DETECTOR LOOP, TYPE I	FOOT	637
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH BUTTON	EACH	6
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	7
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	324
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1

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DATE - 10-09-17	FILE - 140879SHT-TS-Cable.dgn

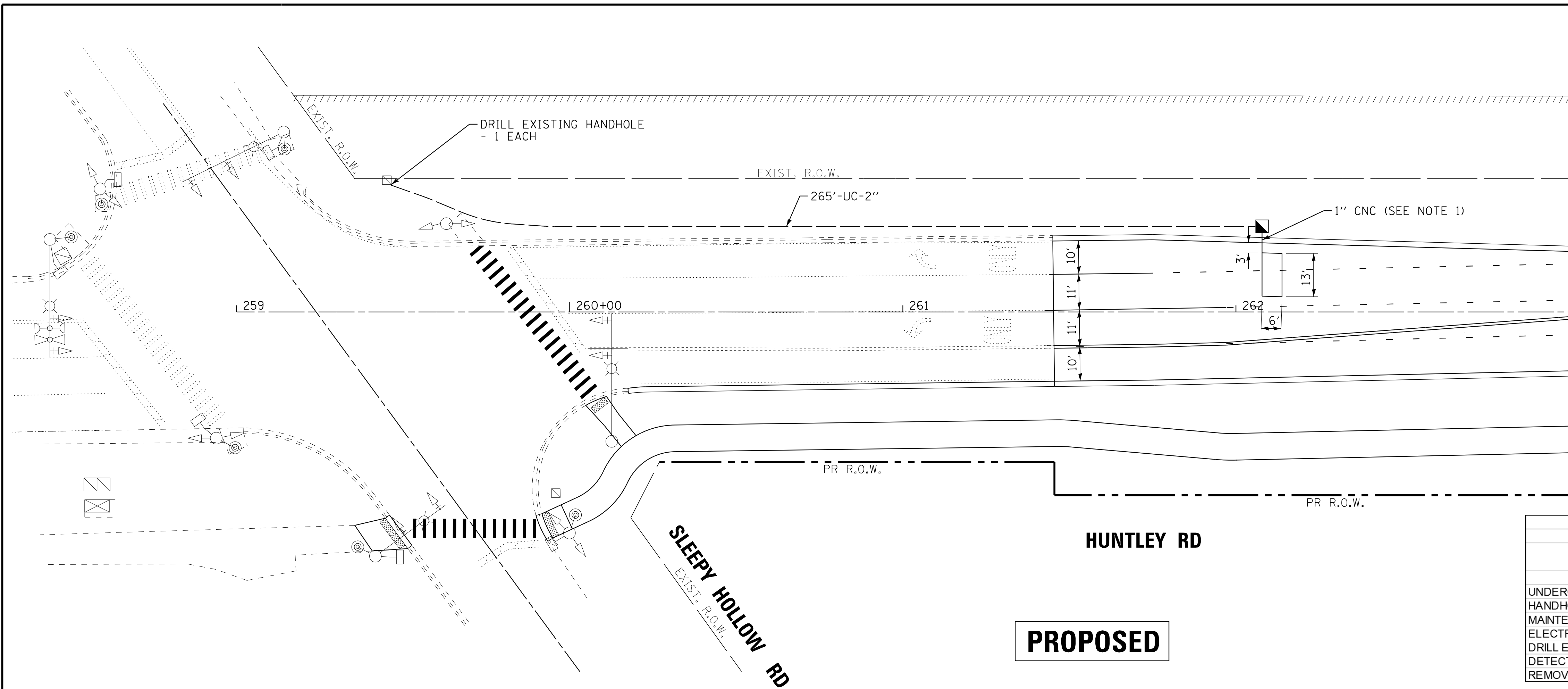
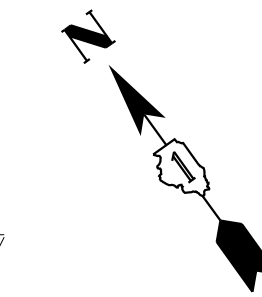
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
HUNTLEY ROAD AND ELM AVENUE**

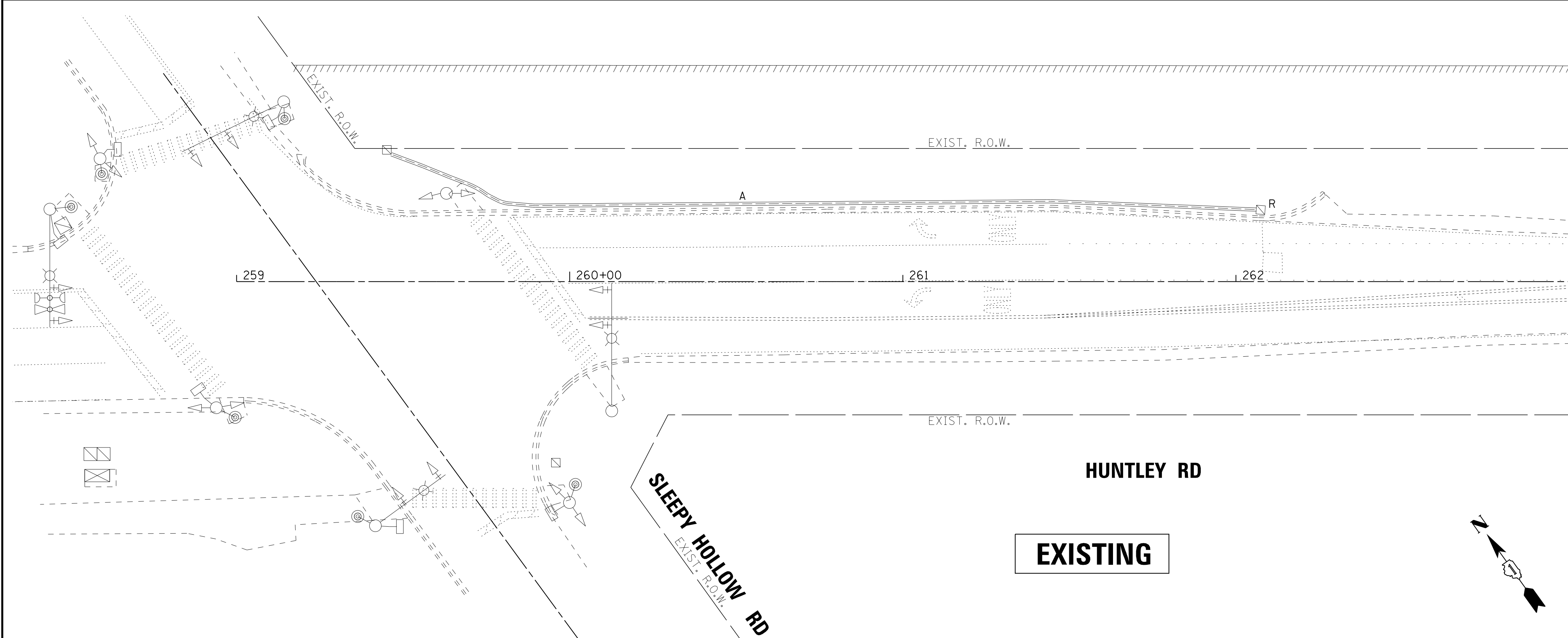
SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	113
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)	

**TS 14895
EAGLE 2A**



SCHEDULE OF QUANTITIES		
ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	265
HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	278
DRILL EXISTING HANDHOLE	EACH	1
DETECTOR LOOP, TYPE I	FOOT	41
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	278



- NOTES:**
1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
 2. CONTRACTOR SHALL REMOVE CABLE FROM EXISTING CONDUIT, STORE SLACK IN EXISTING DOWNSTREAM HANDHOLE AS WORK IS BEING PERFORMED, REINSTALL EXISTING CABLE INTO COMPLETED PROPOSED CONDUIT, AND BRING BACK TO PROPOSED HANDHOLE. SPLICE LEAD-IN TO PROPOSED DETECTOR LOOP PER IDOT DESIGN DETAILS, HIGHWAY STANDARDS, AND SPECIFICATIONS.
 3. THE CONTRACTOR SHALL CONTACT STEVEN ZULKOWSKI, KANE COUNTY TRAFFIC/PERMIT ENGINEER (630-208-3139 OR ZULKOWSKISTEPHEN@CO.KANE.IL.US), A MINIMUM OF 7 CALENDAR DAYS PRIOR TO PERFORMING ANY WORK ON COUNTY TRAFFIC SIGNAL EQUIPMENT/DETECTOR LOOPS.
 4. ANY PROJECT ELECTRICAL CONTRACTOR PERSONNEL PERFORMING WORK ON THE KANE COUNTY TRAFFIC SIGNAL SHALL BE IMSA TRAFFIC SIGNAL LEVEL 2 CERTIFIED AND BE PREQUALIFIED WITH IDOT FOR ELECTRICAL CONSTRUCTION.
 5. A MAINTENANCE TRANSFER FROM THE COUNTY ELECTRICAL MAINTENANCE CONTRACTOR (EMC) TO THE PROJECT ELECTRICAL CONTRACTOR SHALL BE REQUIRED. THIS TRANSFER SHALL BE DONE PRIOR TO ANY WORK BEING PERFORMED ON THE SIGNAL. FAILURE TO PERFORM A MAINTENANCE TRANSFER PRIOR TO BEGINNING WORK SHALL RESULT IN AN IMMEDIATE ACCEPTANCE OF MAINTENANCE BY THE PROJECT CONTRACTOR PERFORMING THE WORK, REGARDLESS OF ANY EXISTING DEFICIENCIES. ALL EXISTING DEFICIENCIES SHALL BE THE LIABILITY OF THE PROJECT CONTRACTOR TO HAVE REPAIRED PRIOR TO THE RETURN OF MAINTENANCE TO THE COUNTY EMC. THE PROJECT CONTRACTOR PROVIDING MAINTENANCE SHALL HAVE A MINIMUM OF 2 PHONE NUMBERS WHICH ARE AVAILABLE 24-7-365 TO RESPOND TO ANY MAINTENANCE NEED.
 6. THE EXISTING TRAFFIC SIGNAL UTILIZES SENSYS MAGNETOMETER FOR VEHICLE DETECTION. THE PROJECT CONTRACTOR SHALL BE ADEQUATELY TRAINED AND FAMILIAR WITH THE PRODUCT.
 7. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST FOR THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE PLACED IN KIND. ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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DRAWN - UKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 10-09-17	FILE - 140879SHT-TS-Huntley-Sleepy.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

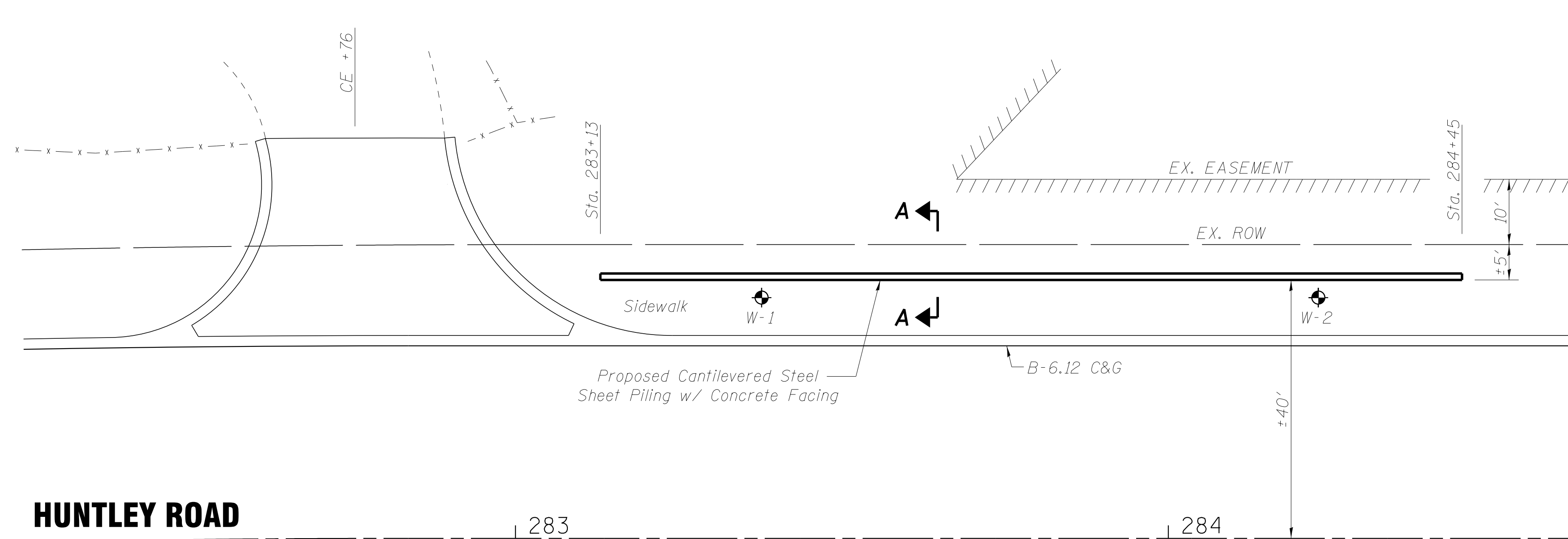
REMOVE AND REPLACE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
HUNTLEY RD AND SLEEPY HOLLOW RD (SHEET 1 OF 1)
 SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	114
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(447)	

See Sheet 26 for Benchmark information.

RETAINING WALL BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
d(E)	133	#4	3'-0"	└┘	
h(E)	9	#4	20'-3"	▬	
h ₁ (E)	10	#4	29'-4"	▬	
h ₂ (E)	23	#4	27'-4"	▬	
h ₃ (E)	14	#4	24'-4"	▬	
h ₄ (E)	9	#4	14'-10"	▬	
h ₅ (E)	4	#4	15'-11"	▬	
v(E)	9	#4	7'-3"	▬	
v ₁ (E)	14	#4	9'-9"	▬	
v ₂ (E)	25	#4	12'-3"	▬	
v ₃ (E)	11	#4	16'-3"	▬	
v ₄ (E)	8	#4	11'-9"	▬	
* Concrete Structures				Cu Yd	37.1
Form Liner Textured Surface				Sq Ft	560
* Stud Shear Connectors				Each	268
Reinforcement Bars, Epoxy Coated				Pound	1,890
Concrete Surface Color Treatment				Sq Ft	560
Permanent Sheet Piling				Sq Ft	2,322
Pipe Handrail				Foot	47

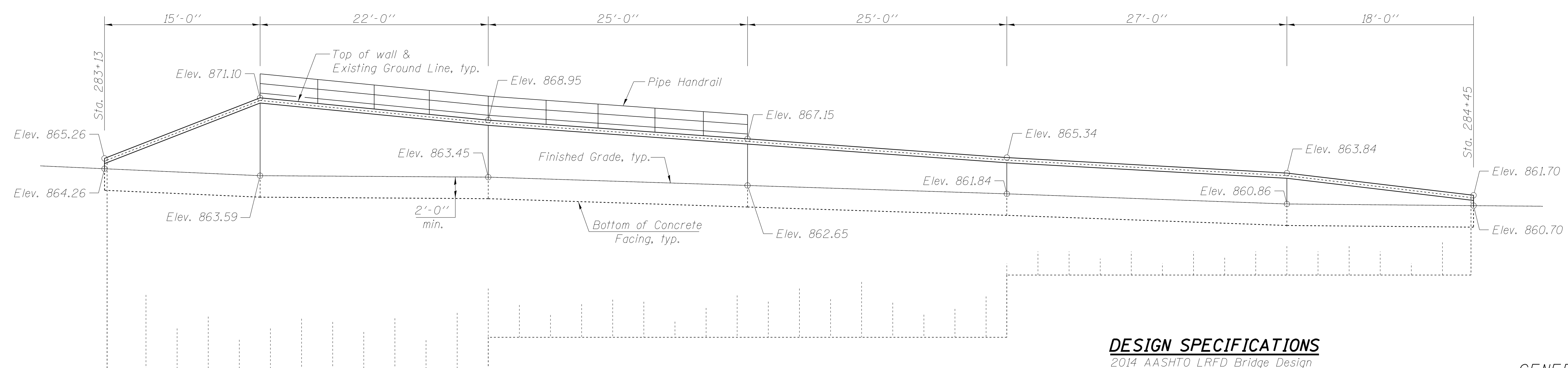


HUNTLEY ROAD

PLAN VIEW

NOTES

- * Quantity may vary depending on sheet piling section.
- Minimum required Section Modulus for Permanent Steel Sheet Piling = 16.2 in³/ft.
- See Sheet 126 of 173 for Pipe Handrail details.



ELEVATION VIEW
(Looking North)

DESIGN SPECIFICATIONS

2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 Interims

DESIGN STRESSES

f'_c = 3,500 psi
f_y = 60,000 psi (Reinforcement)
f_y = 50,000 psi (Perm. Sheet Piling)

GENERAL PLAN
HUNTLEY ROAD RETAINING WALL
SEC. 14-00057-00-WR
KANE COUNTY
STATION 283+13

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BAXTER & WOODMAN
CONSULTING ENGINEERS

USER NAME =	DESIGNED - BLB	REVISED -
MODEL NAME = Retaining Wall	CHECKED - BAB	REVISED -
PLOT SCALE = 0x1.0000 "x" / in.	DRAWN - BLB	REVISED -
DATE 10-09-17	CHECKED - BAB	REVISED -

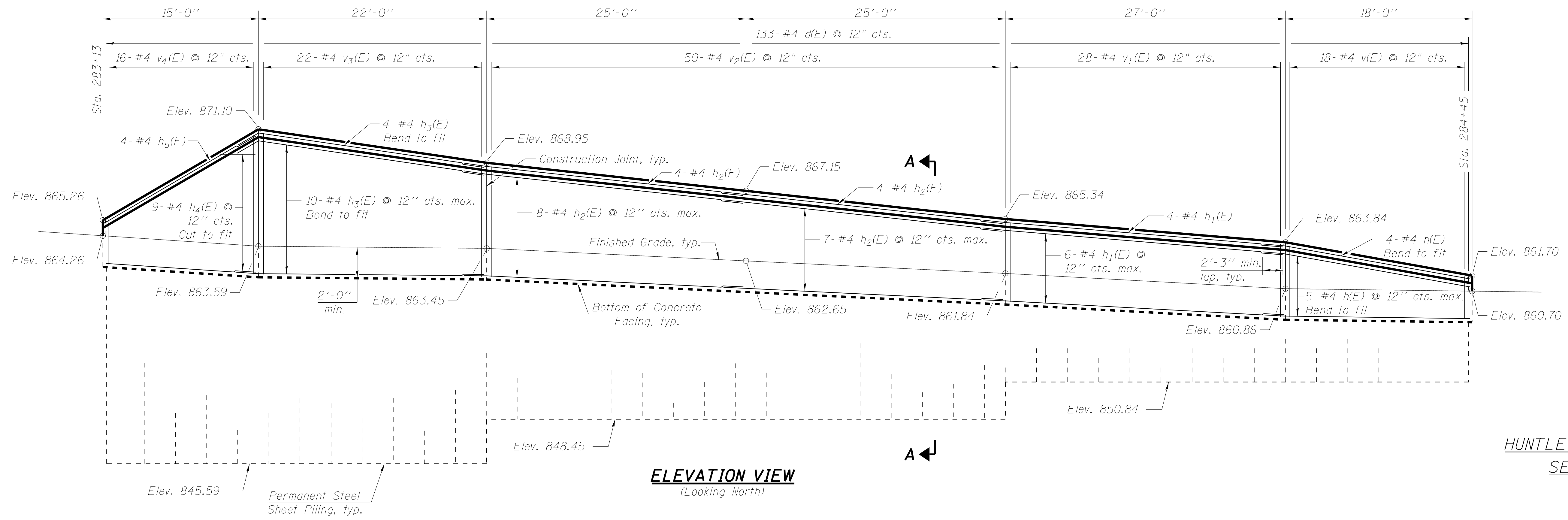
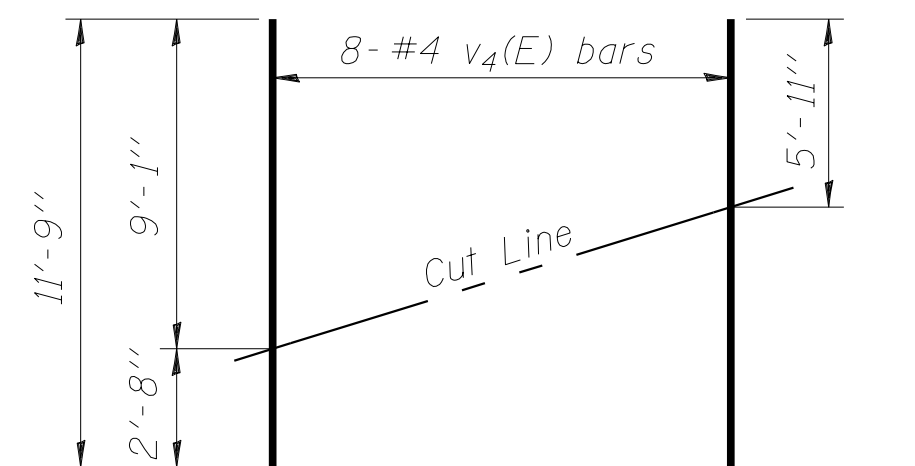
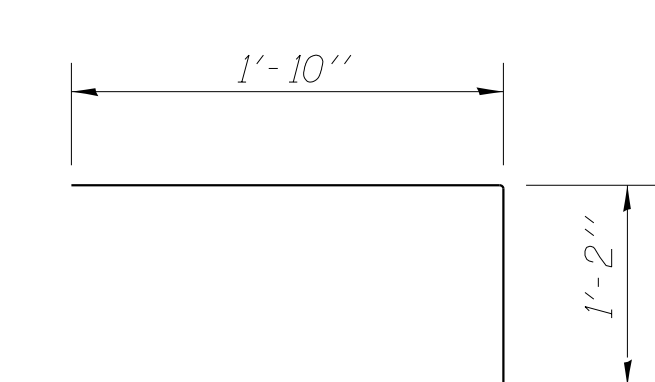
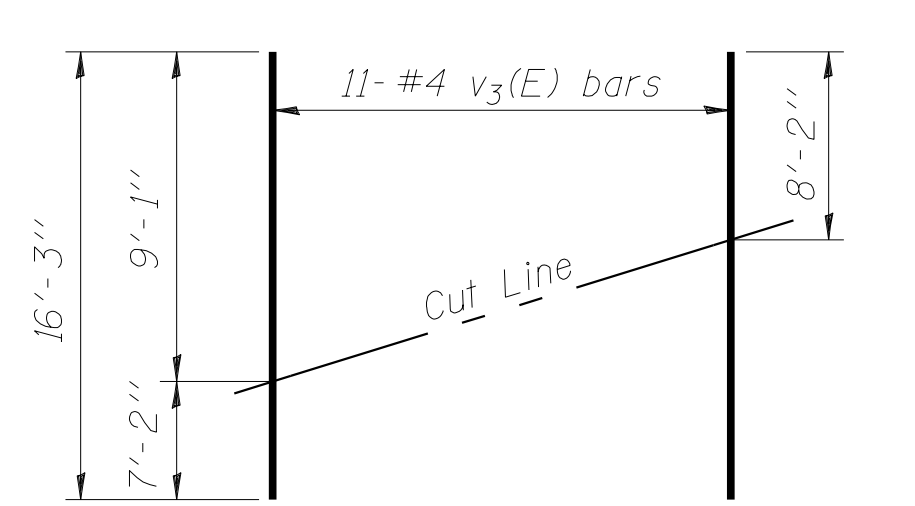
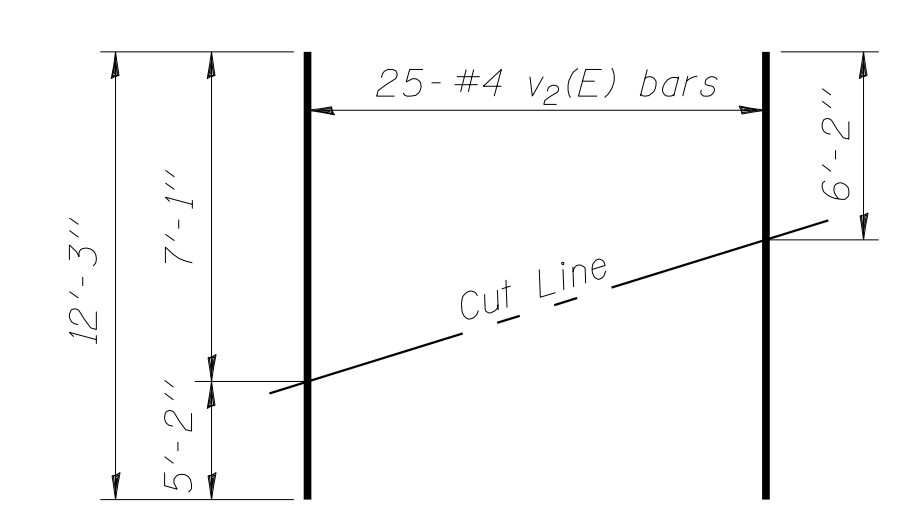
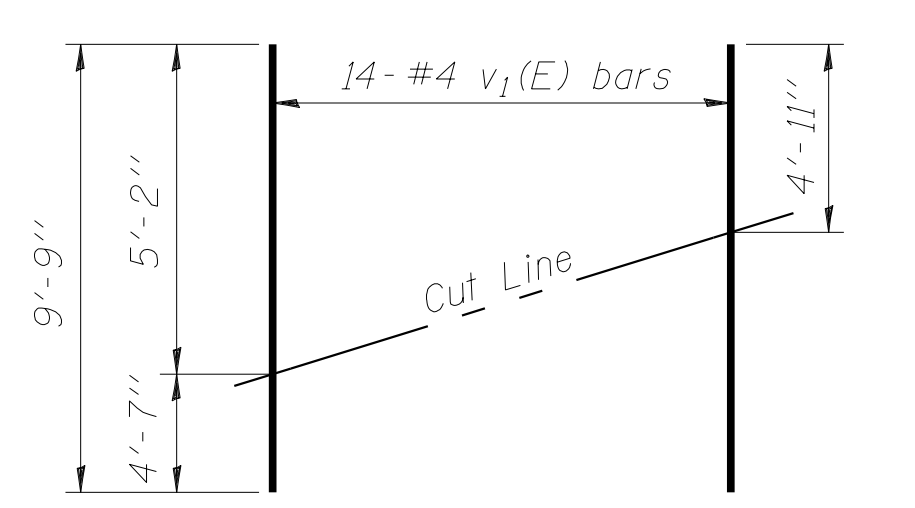
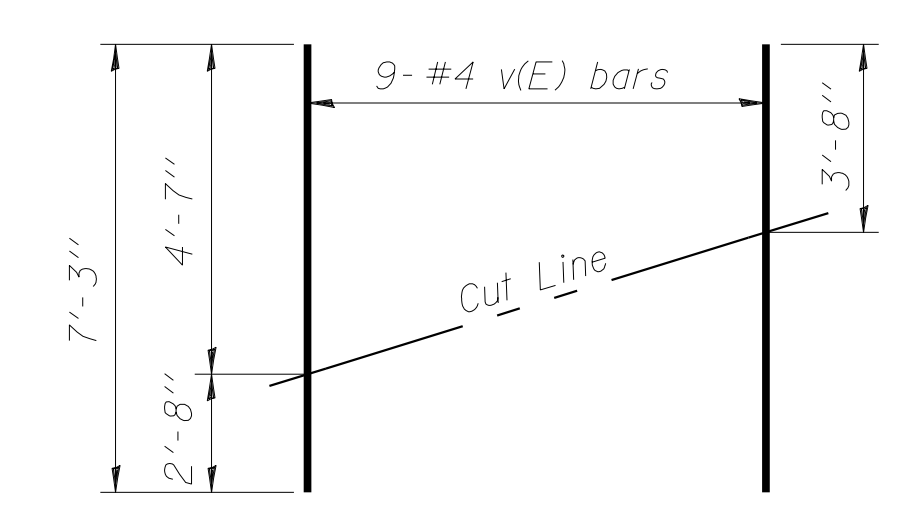
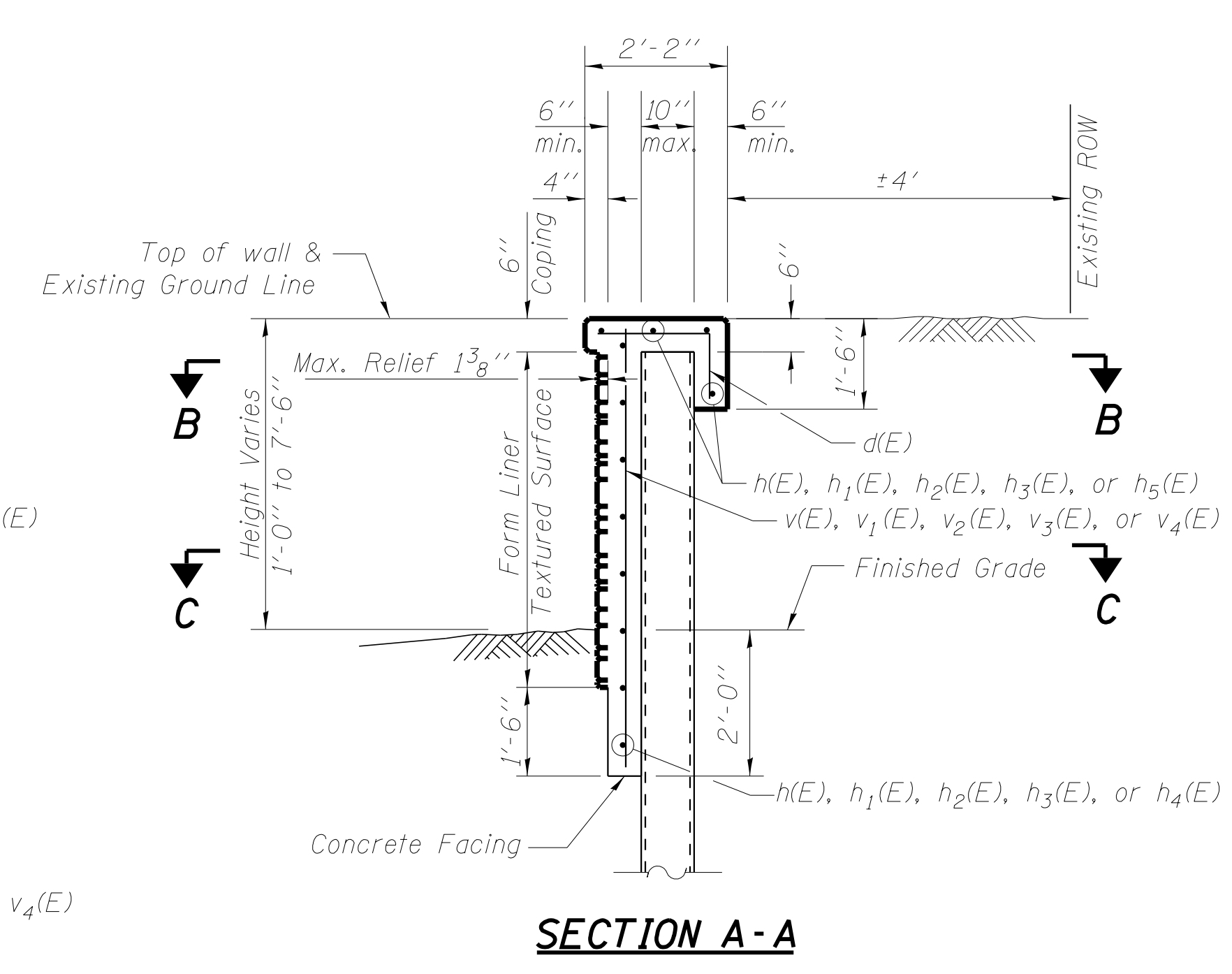
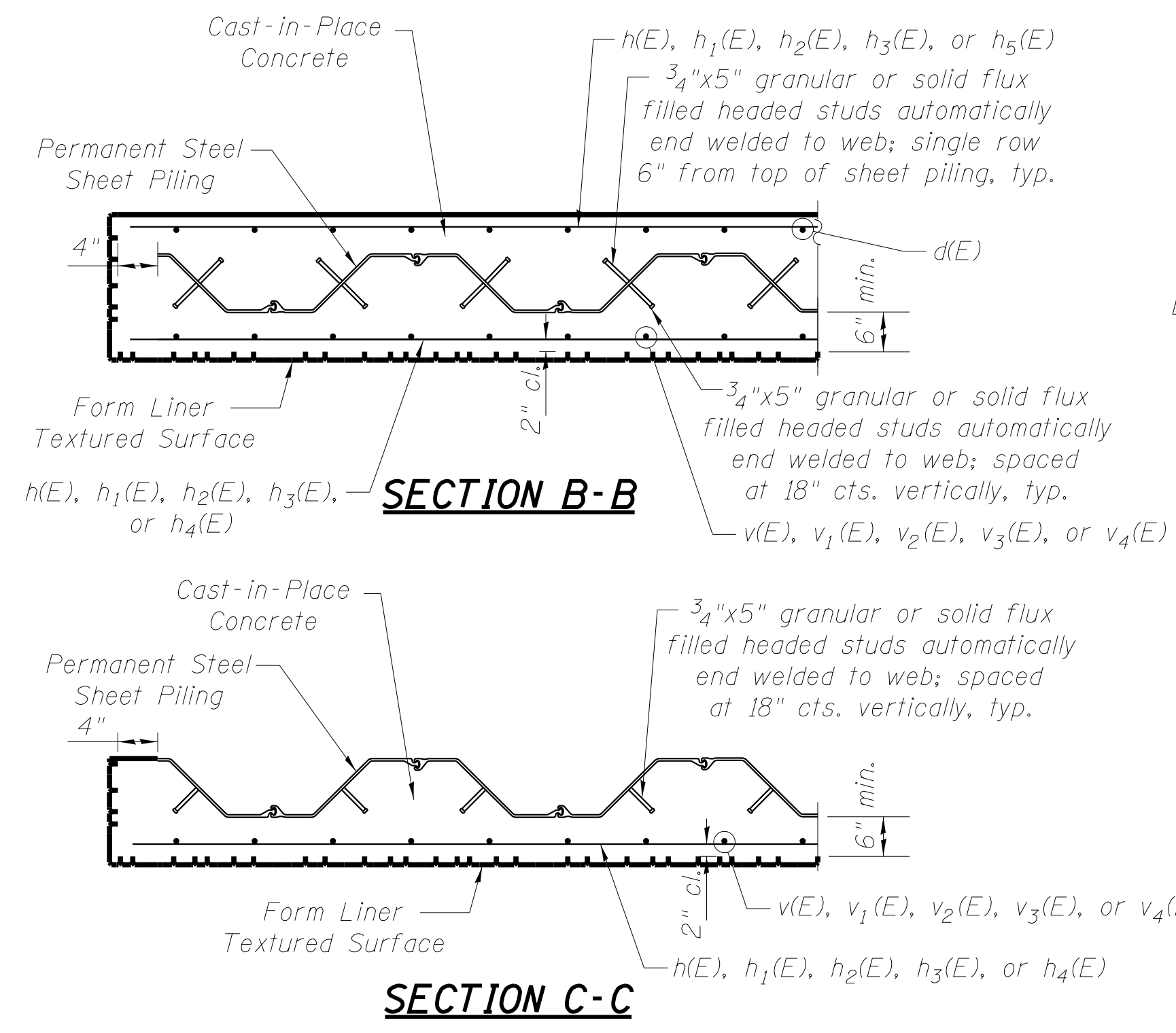
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
RETAINING WALL STA. 283+13 TO 284+45

SHEET NO. 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	115
D-91-169-15				

ILLINOIS FED. AID PROJECT M-4003(446)



GENERAL PLAN
 HUNTLEY ROAD RETAINING WALL
 SEC. 14-00057-00-WR
 KANE COUNTY
 STATION 283+13

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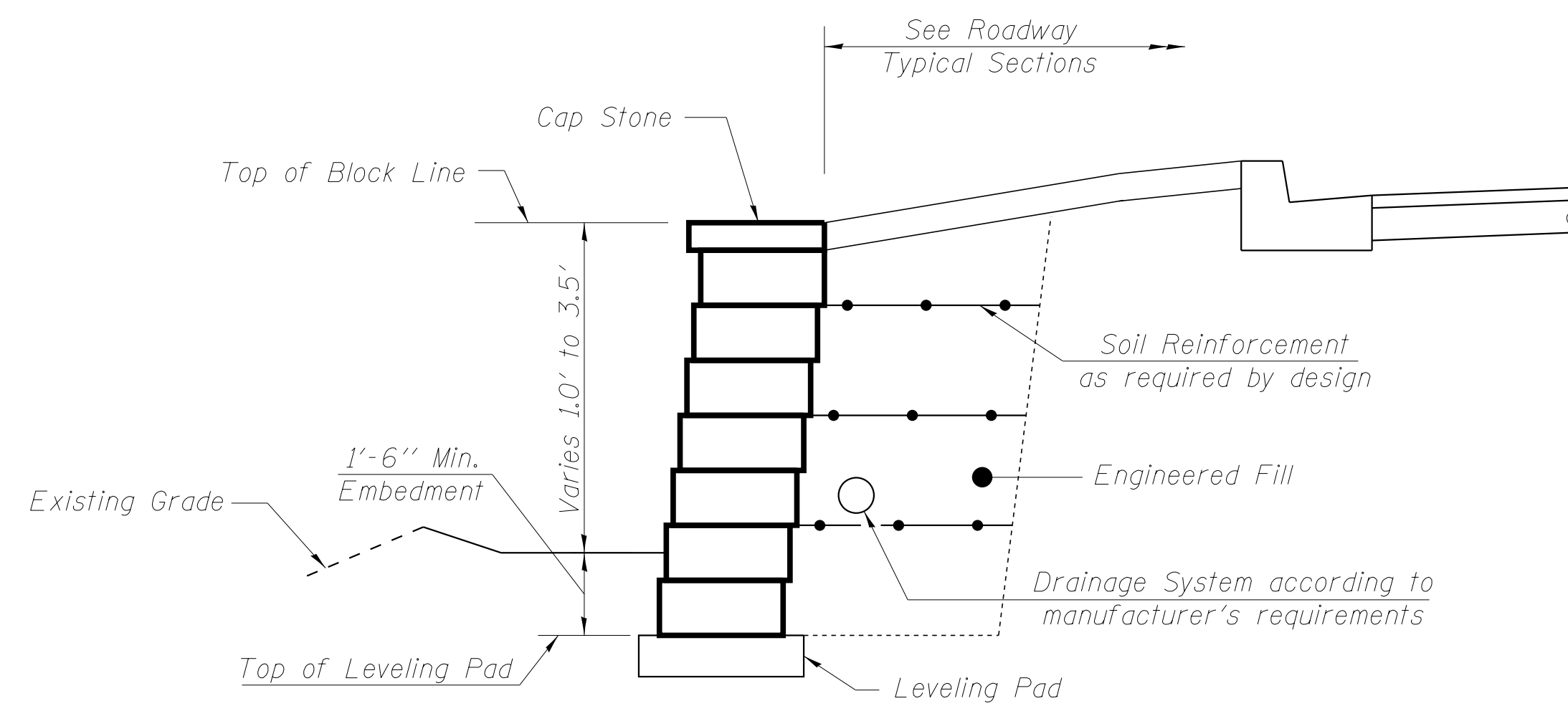
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 CONSULTING ENGINEERS

USER NAME =	DESIGNED - BLB	REVISED -
MODEL NAME = Retaining Wall	CHECKED - BAB	REVISED -
PLOT SCALE = 0=1.0000 " = 1'-0"	DRAWN - BLB	REVISED -
DATE 10-09-17	CHECKED - BAB	REVISED -

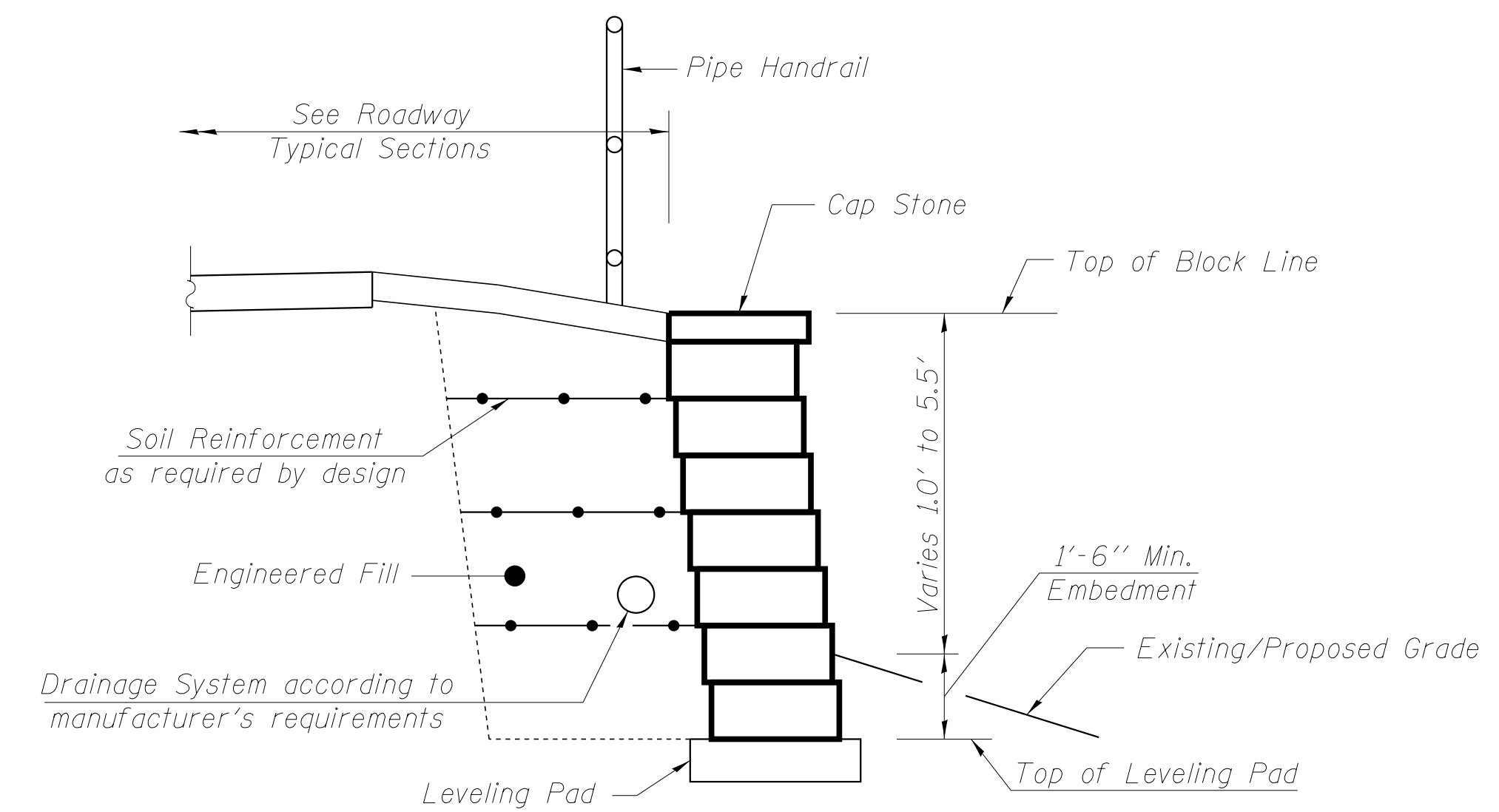
STATE OF ILLINOIS
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WALL DETAILS
 RETAINING WALL STA. 283+13 TO 284+45
 SHEET NO. 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	116
D-91-169-15				
ILLINOIS FED. AID PROJECT M-4003(446)				



TYPICAL SECTION WALL "A"



TYPICAL SECTION WALL "B"

NOTES

See Roadway Plans for Wall Station/Offset locations.
 Additional blocks installed above the Top of Block line shown will not be measured for payment.
 See Sheet 126 of 173 for Pipe Handrail Details.

BILL OF MATERIAL

Item	Unit	Total
Pipe Handrail	Foot	175
Segmental Concrete Block Wall	Sq Ft	1,483

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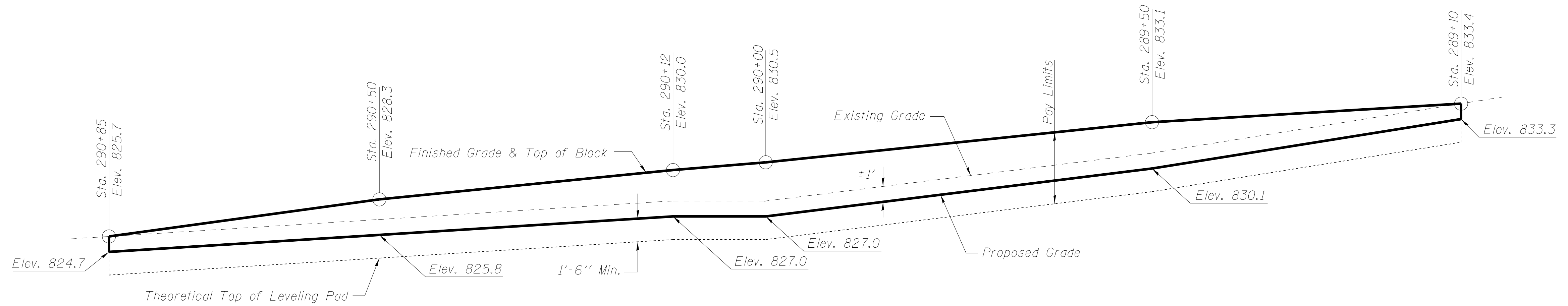
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SEGMENTAL CONCRETE BLOCK WALLS

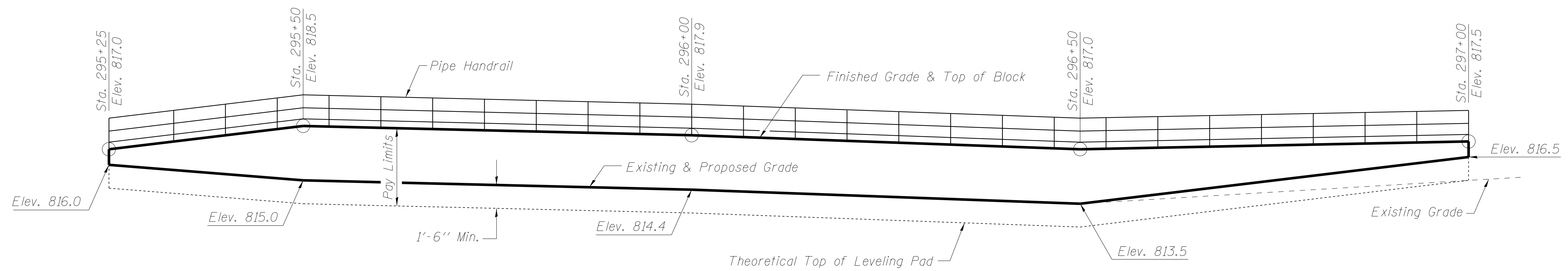
SHEET NO. 1 OF 2 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	117
D-91-169-15		CONTRACT NO. 61C86		
ILLINOIS FED. AID PROJECT M-4003(447)				



WALL "A" ELEVATION

Looking South
Area = 702 Sq. Ft.



WALL "B" ELEVATION

Looking North
Area = 781 Sq. Ft.

NOTES

- See Roadway Plans for Wall Station/Offset locations.
- Additional blocks installed above the Top of Block line shown will not be measured for payment.
- See Sheet 126 of 173 for Pipe Handrail Details.

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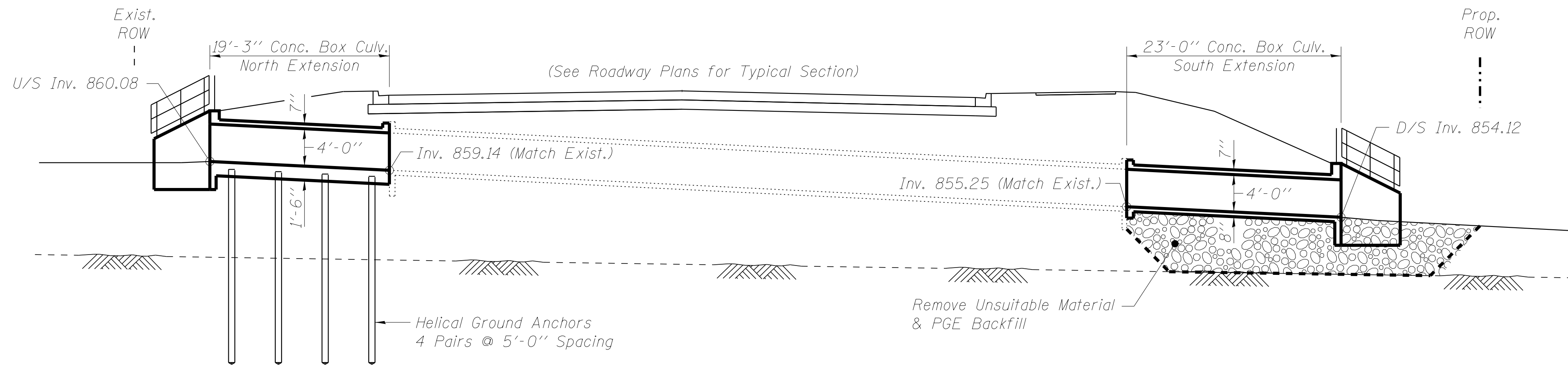
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DATE 10-09-17	CHECKED - BAB	REVISED -

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DEPARTMENT OF TRANSPORTATION**

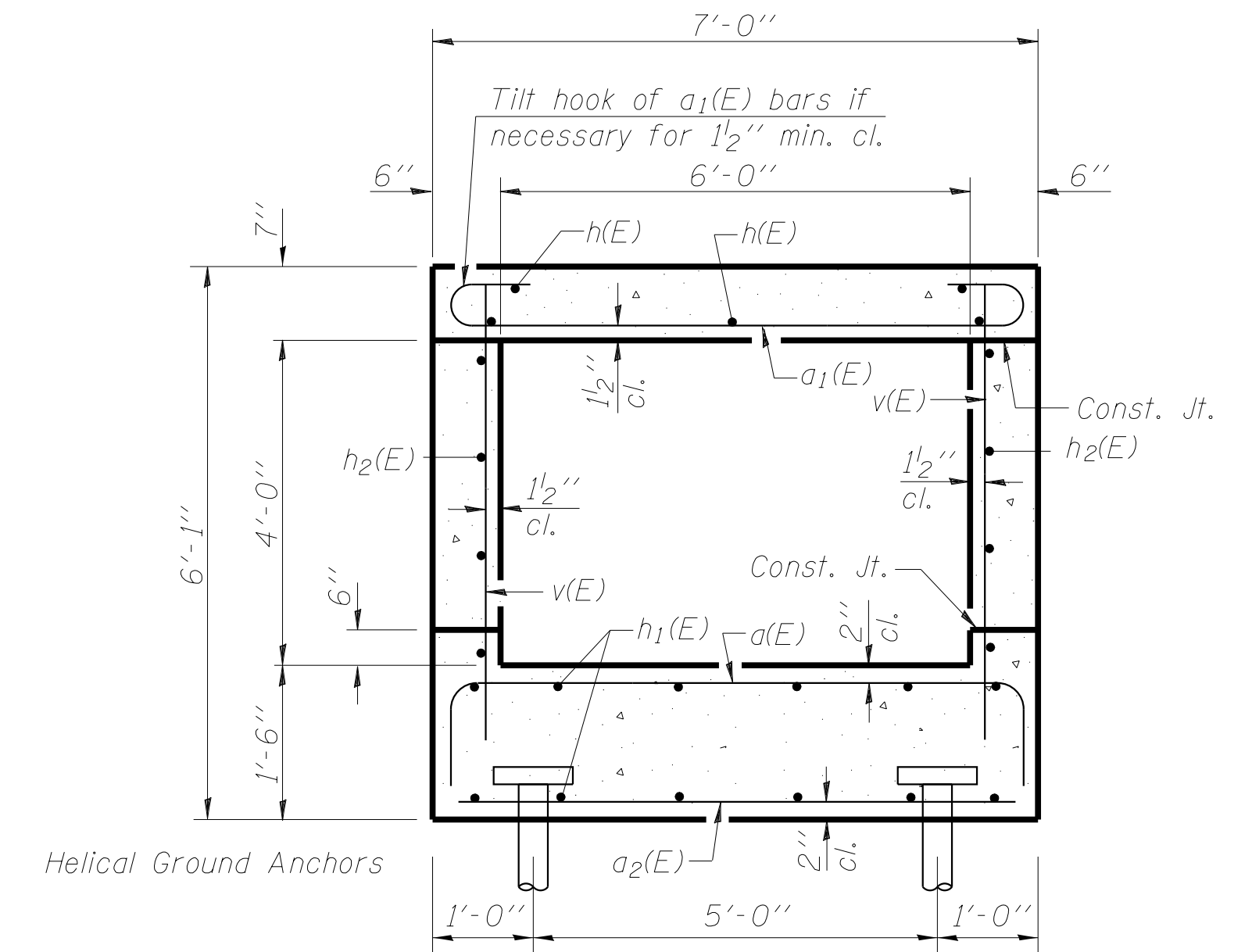
SEGMENTAL CONCRETE BLOCK WALLS

SHEET NO. 2 OF 2 SHEETS

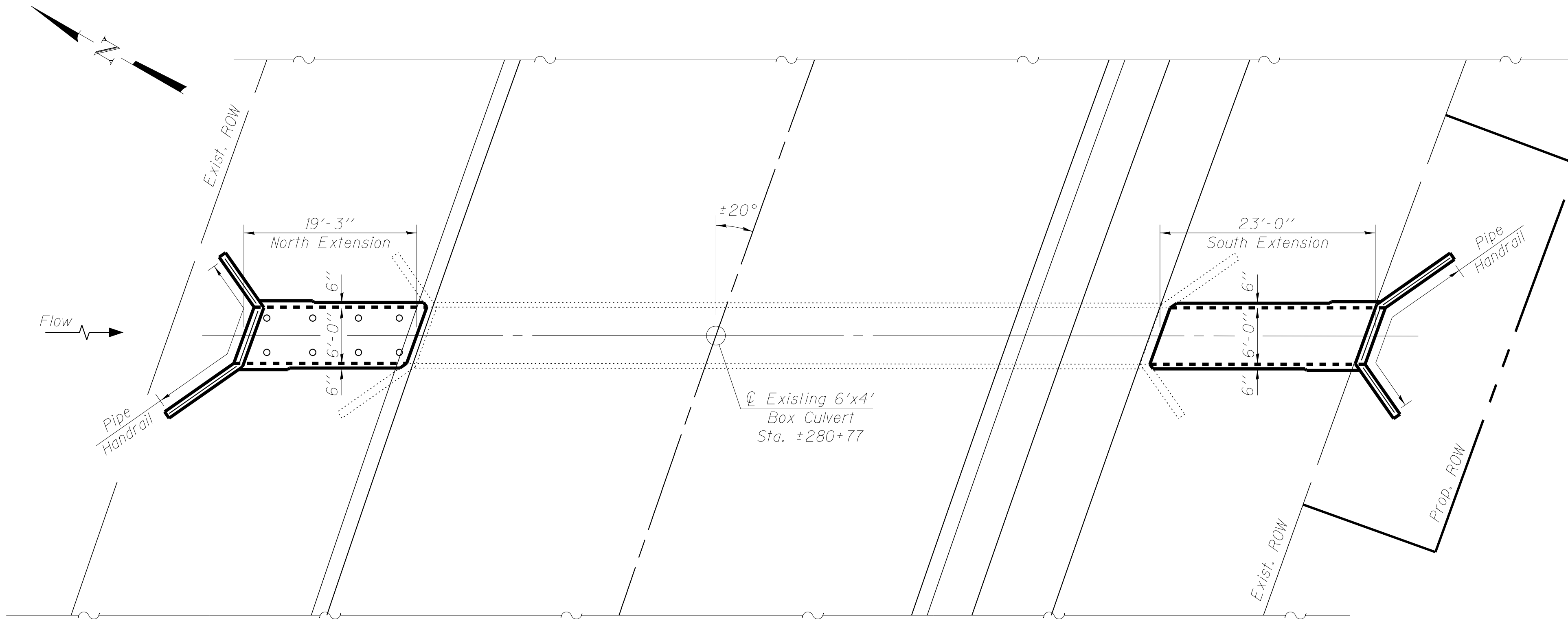
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1283	14-00057-00-WR	KANE	173	118
D-91-169-15		CONTRACT NO. 61C86		
ILLINOIS FED. AID PROJECT M-4003(447)				



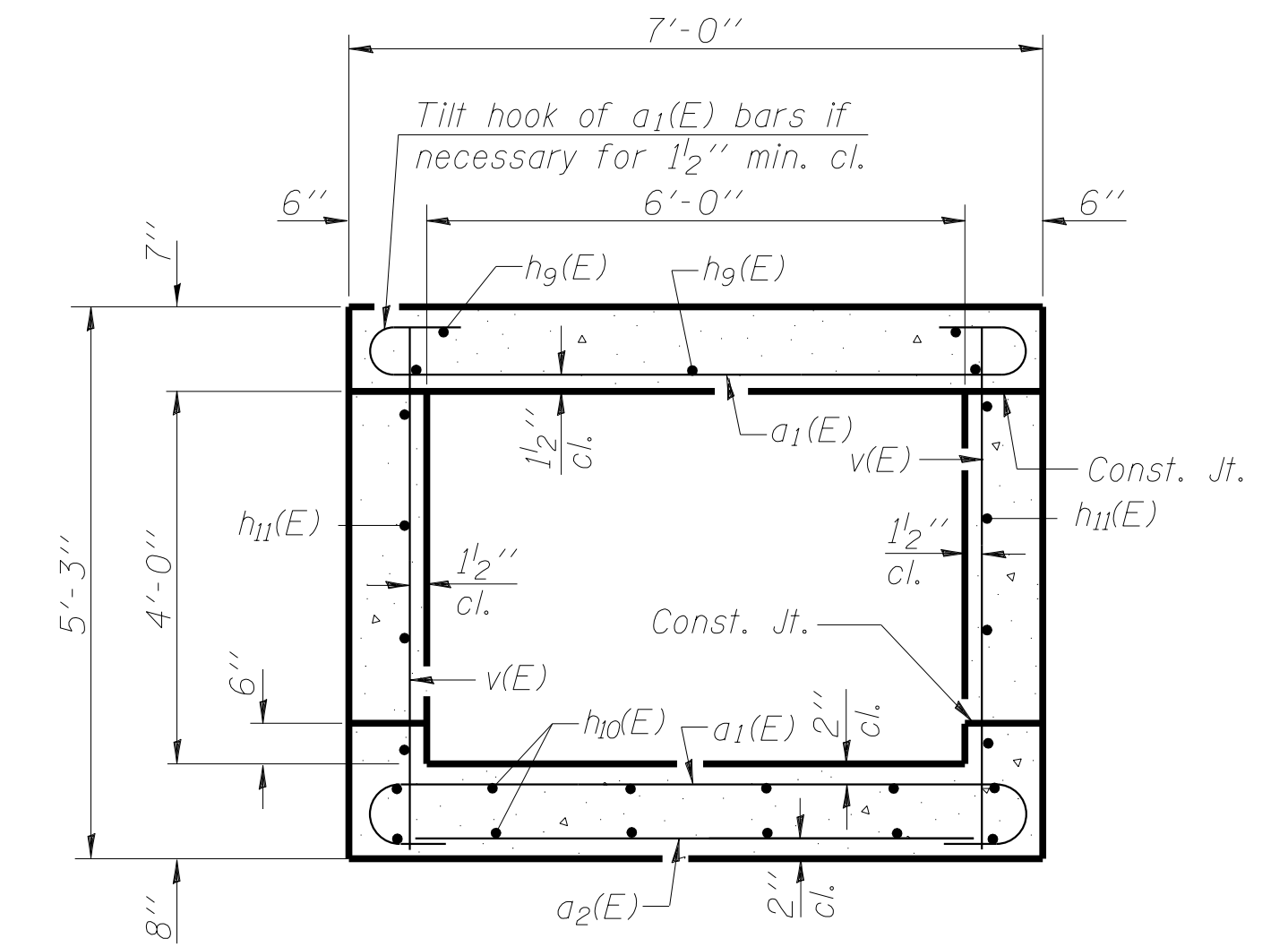
LONGITUDINAL SECTION



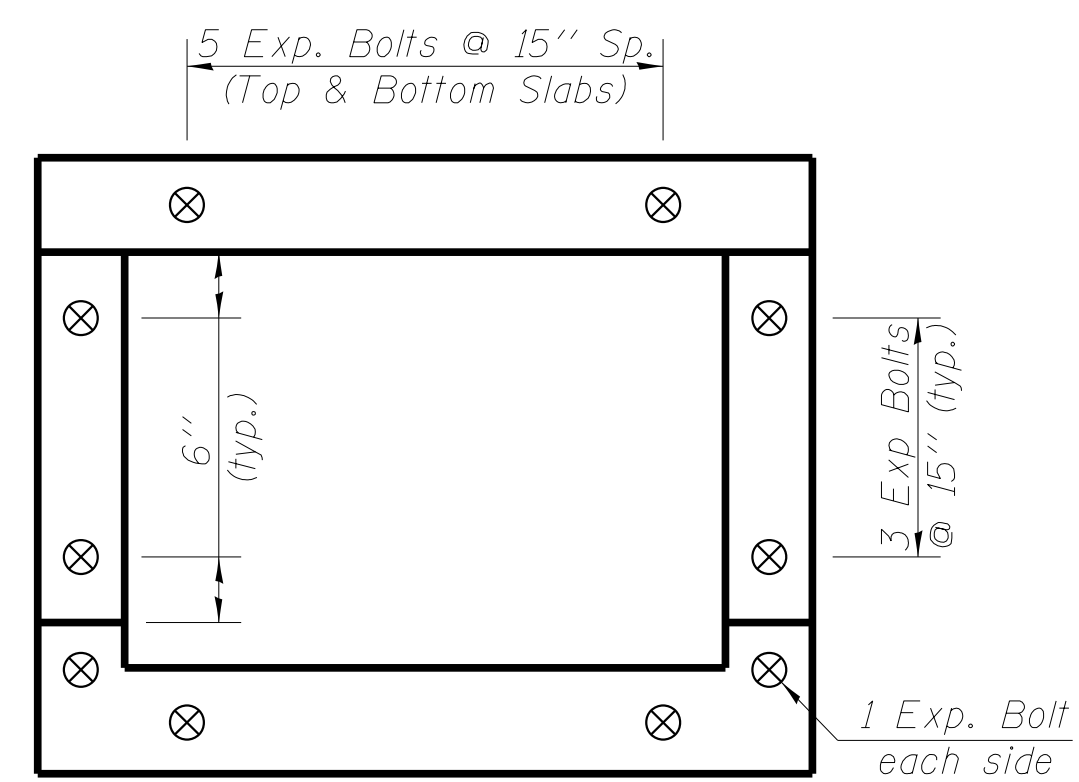
SECTION THRU BARREL NORTH EXTENSION



PLAN



SECTION THRU BARREL SOUTH EXTENSION



EXPANSION BOLT LAYOUT

NOTES

Helical Ground Anchors shall be designed to support a Service Design Load of 40 Kips in the downward direction. No uplift load required.

Helical Ground Anchor supplier shall determine the appropriate Safety Factor for installation, with a minimum Safety Factor of 2.0.

See Sheet 125 of 172 for Pipe Handrail Details.

BILL OF MATERIAL

Item	Unit	Total
Concrete Removal	Cu Yd	5.0
Removal and Disposal of Unsuitable Material for Structures	Cu Yd	100
Porous Granular Embankment	Cu Yd	100
Concrete Box Culverts	Cu Yd	31.0
Reinforcement Bars, Epoxy Coated	Pound	5,500
Expansion Bolts		
3/4 Inch X 9 Inch	Each	36
Pipe Handrail	Foot	45
Helical Ground Anchors	Each	8

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BAXTER & WOODMAN
CONSULTING ENGINEERS

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MODEL NAME = Culvert + 280+77	CHECKED - BAB	REVISED -
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DATE 10-09-17	CHECKED - BAB	REVISED -

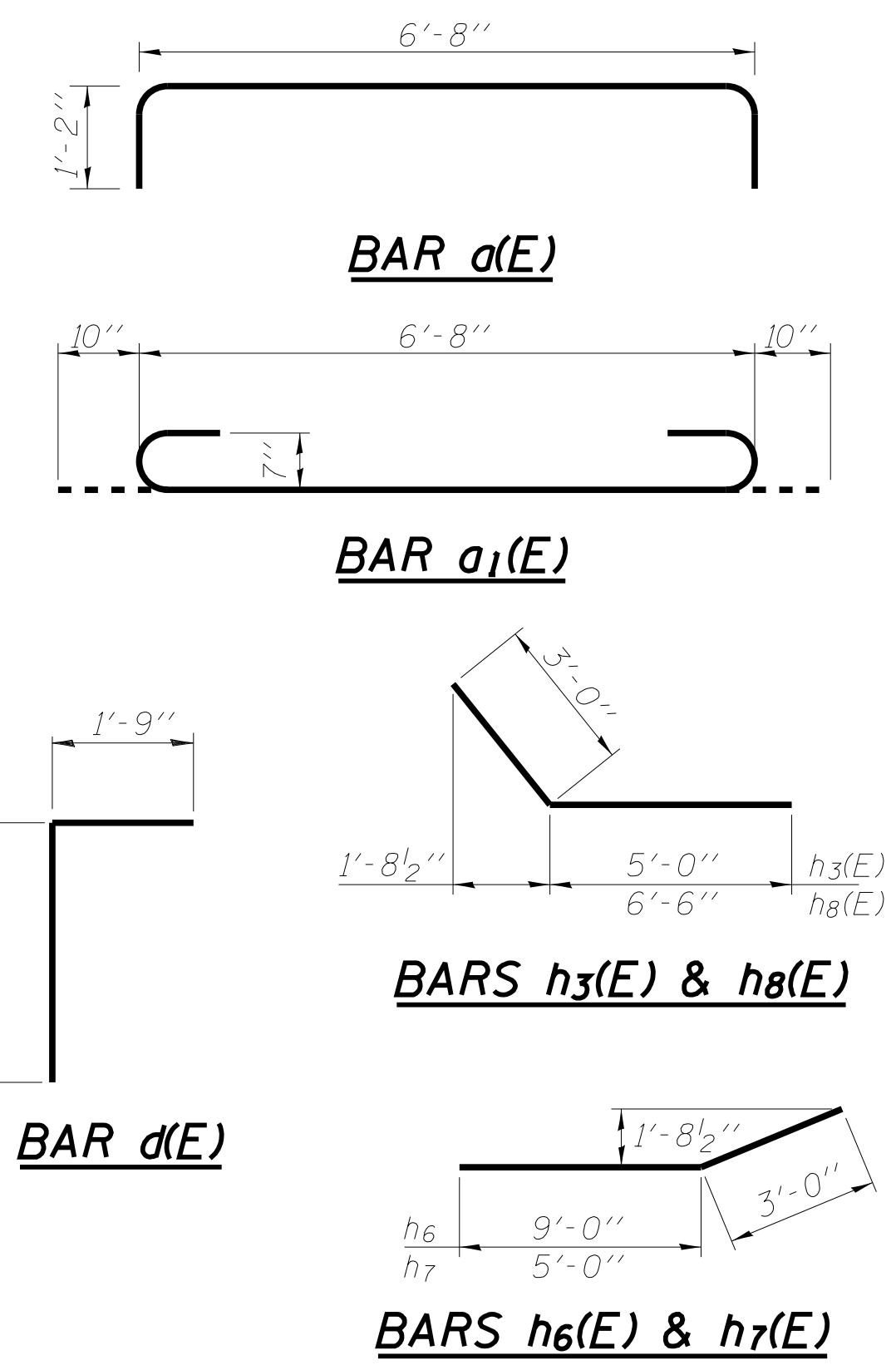
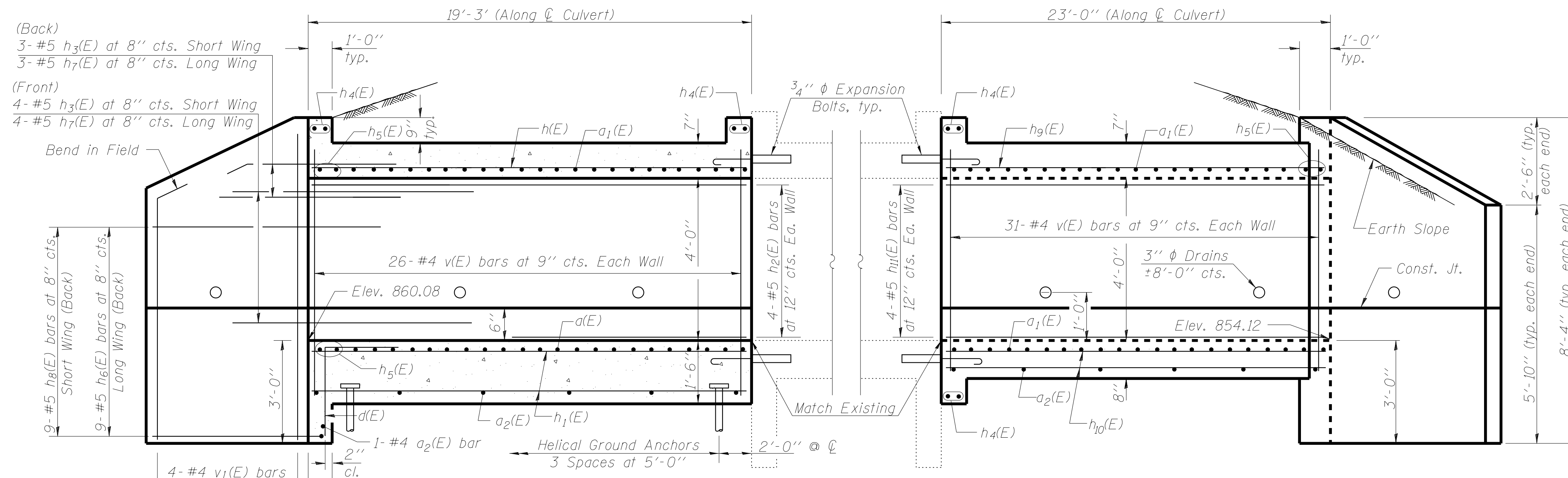
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DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN
CULVERT EXTENSION STA. 280 + 77**

SHEET NO. 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	120
D-91-169-15				

ILLINOIS FED. AID PROJECT M-4003(446)



NOTES

A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
Bars indicated thus 12 x 4- #5 etc. indicates 12 lines of bars with 4 lengths per line.

DESIGN STRESSES

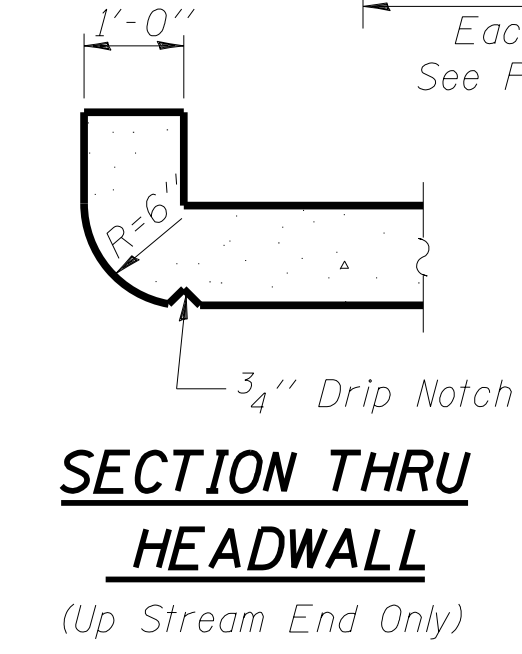
$f_y = 60,000$ psi
 $f'_c = 3,500$ psi

LOADING HL - 93

Note: Bar Designations are independent of those shown in the culvert extension at Sta. 304+19.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$d(E)$	34	#7	9'-0"	U
$a_1(E)$	116	#7	8'-4"	C
$a_2(E)$	22	#4	6'-8"	—
$d(E)$	14	#4	4'-6"	L
$h(E)$	9	#7	18'-11"	—
$h_1(E)$	14	#4	18'-11"	—
$h_2(E)$	8	#5	18'-11"	—
$h_3(E)$	14	#5	8'-0"	—
$h_4(E)$	10	#6	6'-7"	—
$h_5(E)$	4	#6	7'-1"	—
$h_6(E)$	18	#5	12'-0"	—
$h_7(E)$	14	#5	8'-0"	—
$h_8(E)$	18	#5	9'-6"	—
$h_9(E)$	9	#7	22'-8"	—
$h_{10}(E)$	14	#4	22'-8"	—
$h_{11}(E)$	8	#5	22'-8"	—
$v(E)$	118	#4	4'-11"	—
$v_1(E)$	16	#4	7'-11"	—
Concrete Box Culverts				Cu. Yd. 31.0
Reinforcement Bars, Epoxy Coated				Pound 5,500
Expansion Bolts 3/4 Inch X 9 Inch				Each 36



NORTH EXTENSION

LONGITUDINAL SECTION
Dimensions at Rt. L's to ϕ Roadway

SOUTH EXTENSION

NORTH EXTENSION

SOUTH EXTENSION

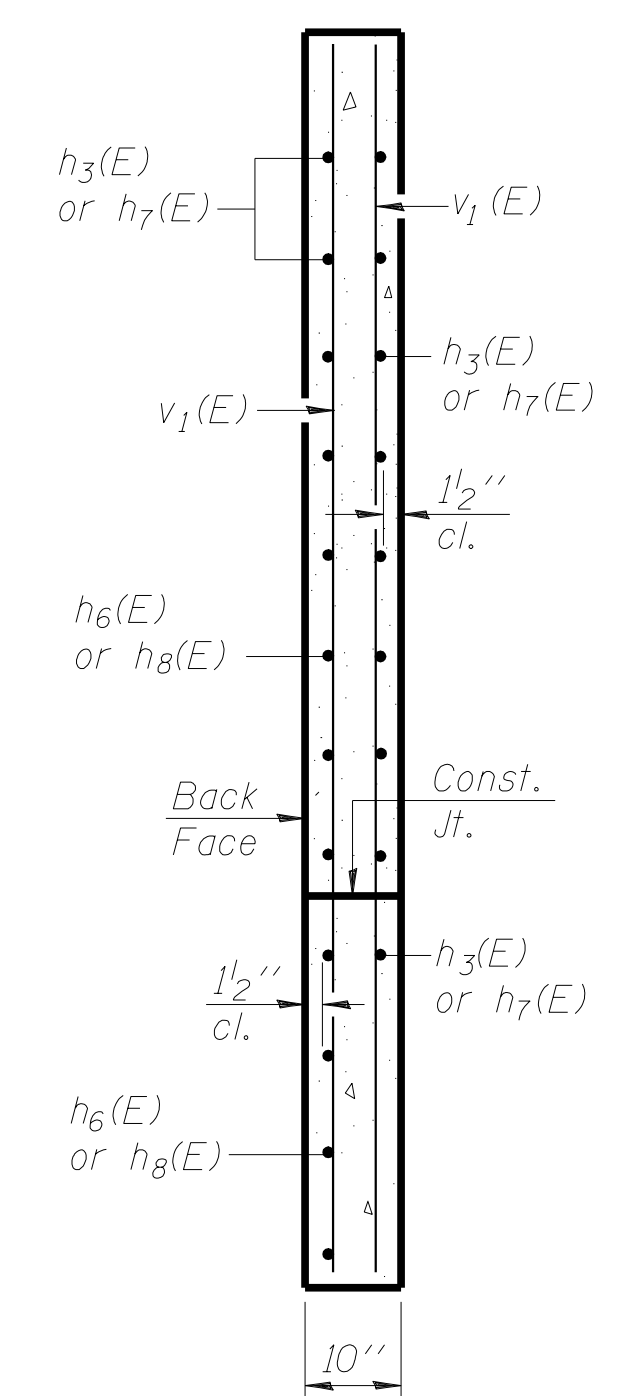
PLAN

* $d(E)$, $a_1(E)$ & $a_2(E)$ bars in skew portion of slab shall be ordered full length & cut to fit. Balance of bar to be used in opposite end of culvert.

Plan dimensions similar to South Extension rotated 180° unless noted otherwise

End Section reinforcement identical to North Extension rotated 180°

SECTION A-A



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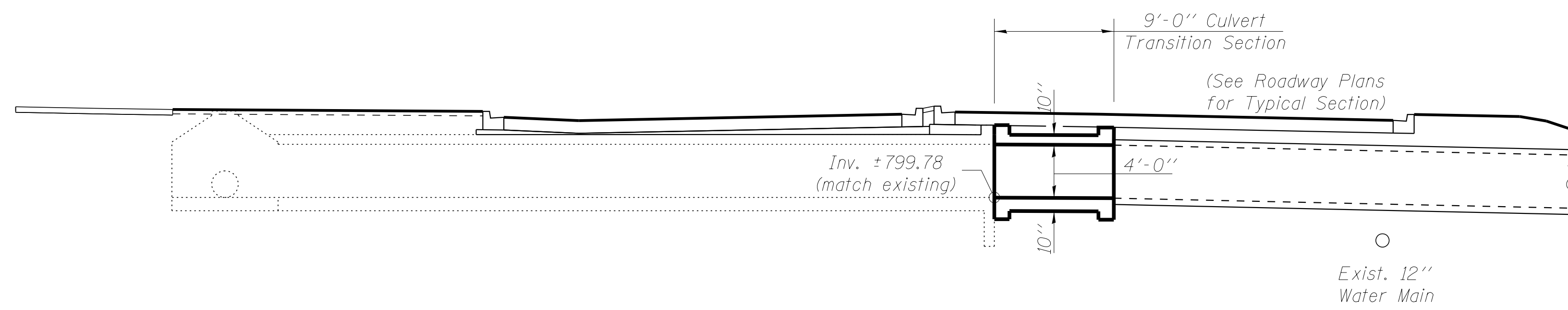
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
CULVERT EXTENSION STA. 280+77

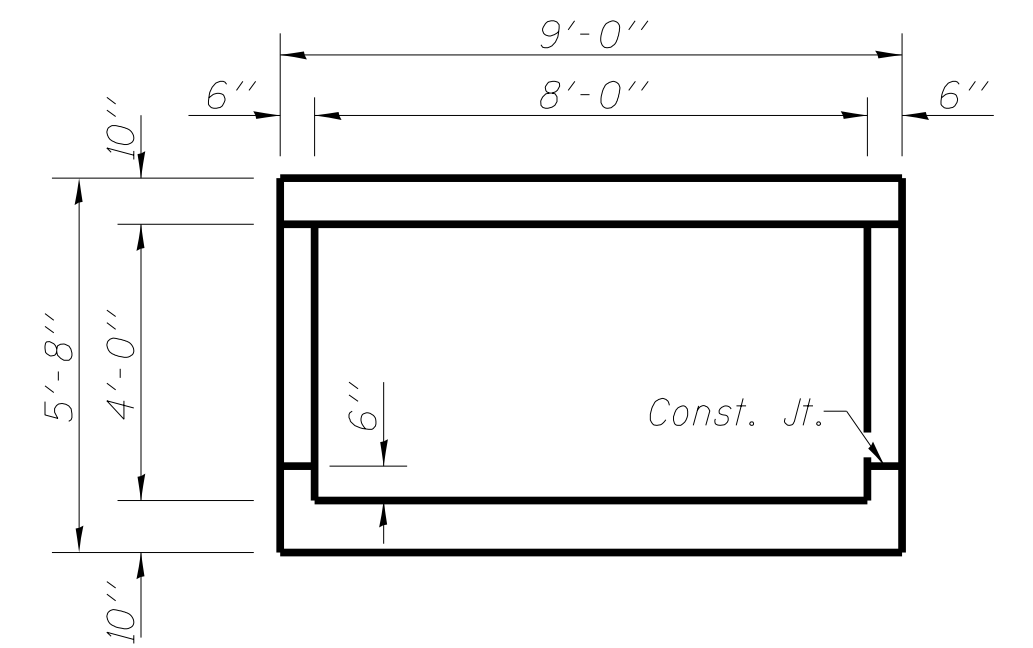
SHEET NO. 2 OF 2 SHEETS

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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D-91-169-15				

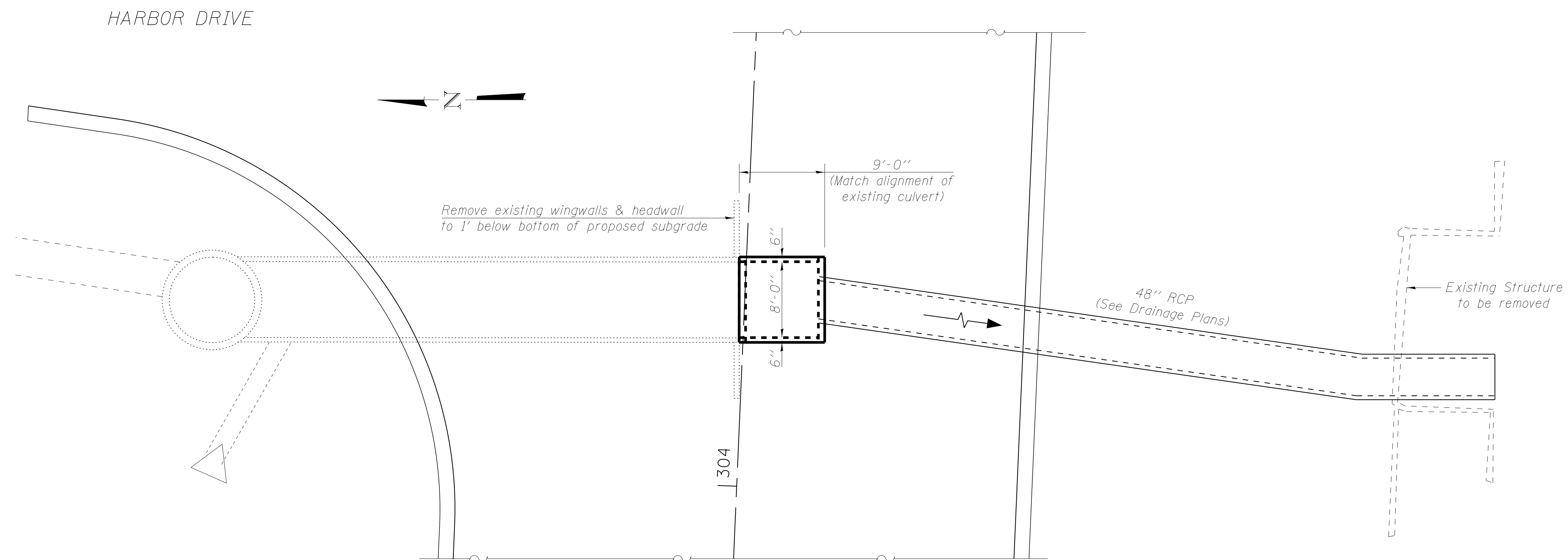
ILLINOIS FED. AID PROJECT M-4003(446)



LONGITUDINAL SECTION



SECTION THRU BARREL



PLAN

BILL OF MATERIAL

Item	Unit	Total
Concrete Removal	Cu Yd	5.0
Concrete Box Culverts	Cu Yd	8.0
Reinforcement Bars, Epoxy Coated	Pound	1560
Expansion Bolts 3/4 Inch X 9 Inch	Each	20

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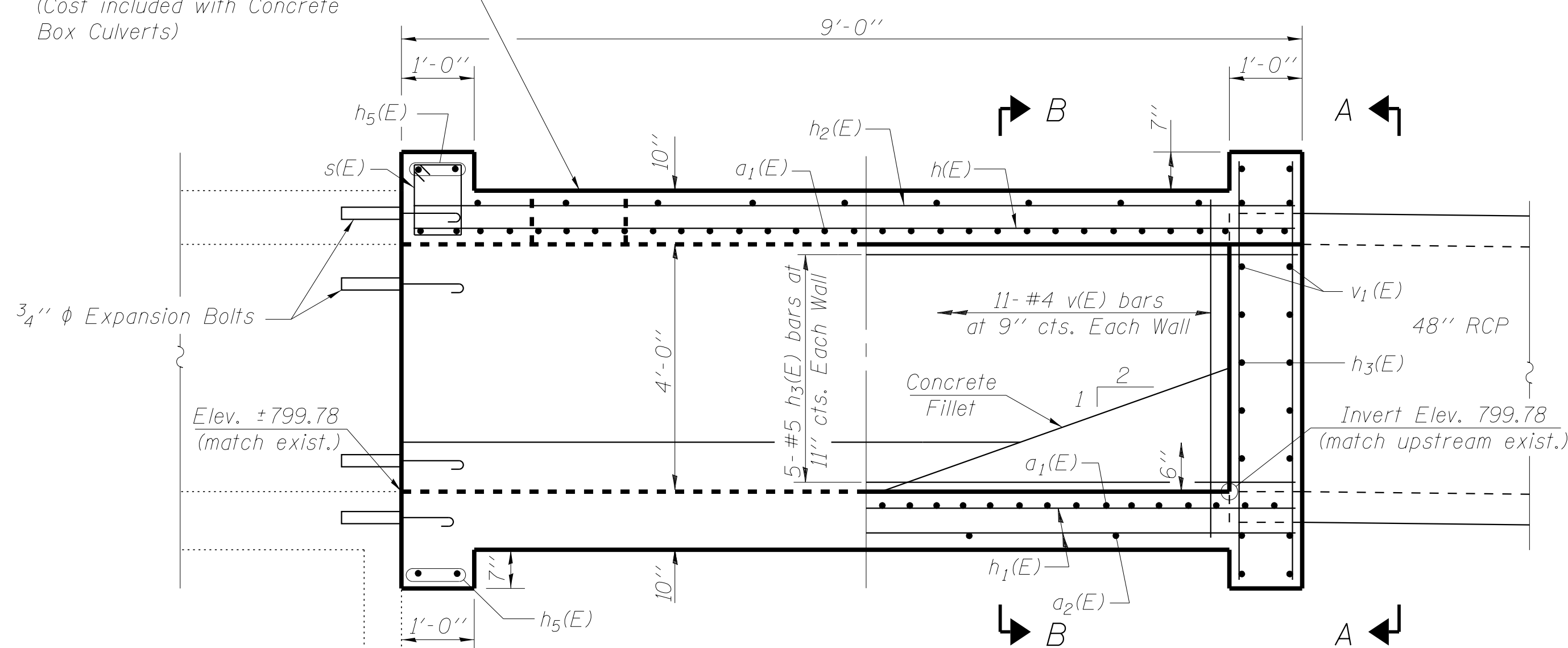
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN
CULVERT TRANSITION SECTION STA. 304 + 19**

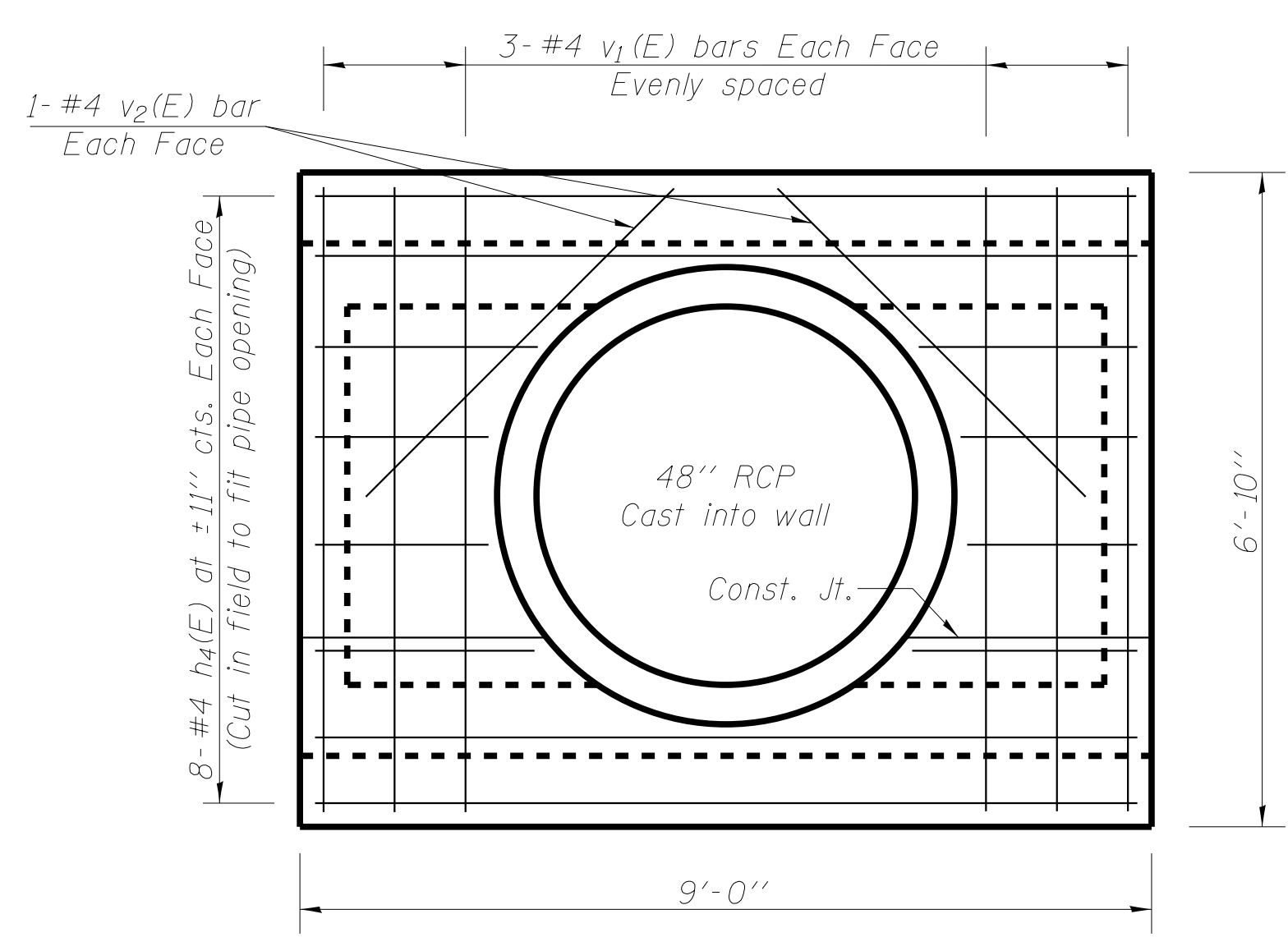
SHEET NO. 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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D-91-169-15				
ILLINOIS FED. AID PROJECT M-4003(446)				

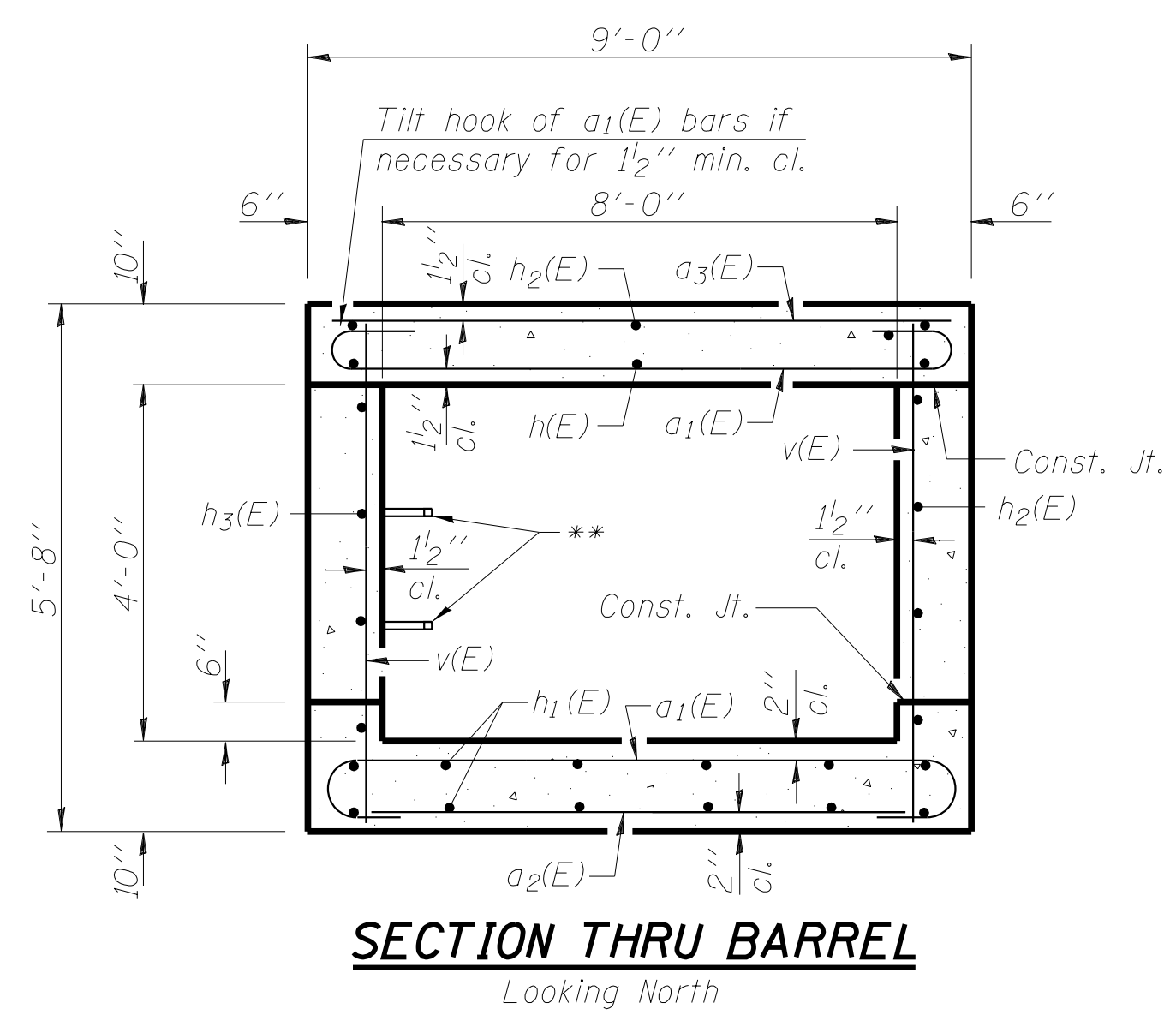
Provide Type 1 Frame & Lid according to Hwy. Std. 604001 (Cost included with Concrete Box Culverts)



SHOWING DIMENSIONS **SHOWING REINFORCEMENT**
LONGITUDINAL SECTION

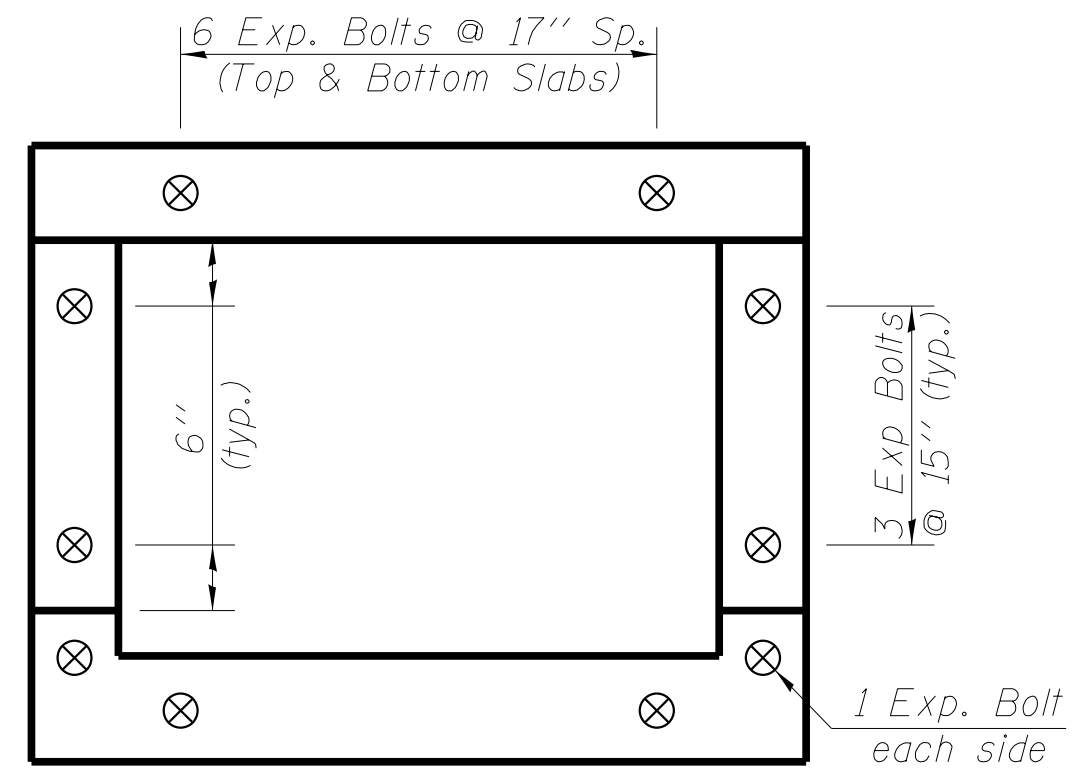


VIEW A-A
Showing Reinforcement in End Wall



SECTION THRU BARREL
Looking North

** Manhole steps at 16" cts. according to Hwy. Std. 602701 (Cost included with Concrete Box Culverts)



EXPANSION BOLT LAYOUT

Note: Bar Designations are independent of those shown in the culvert extension at Sta. 280+77.

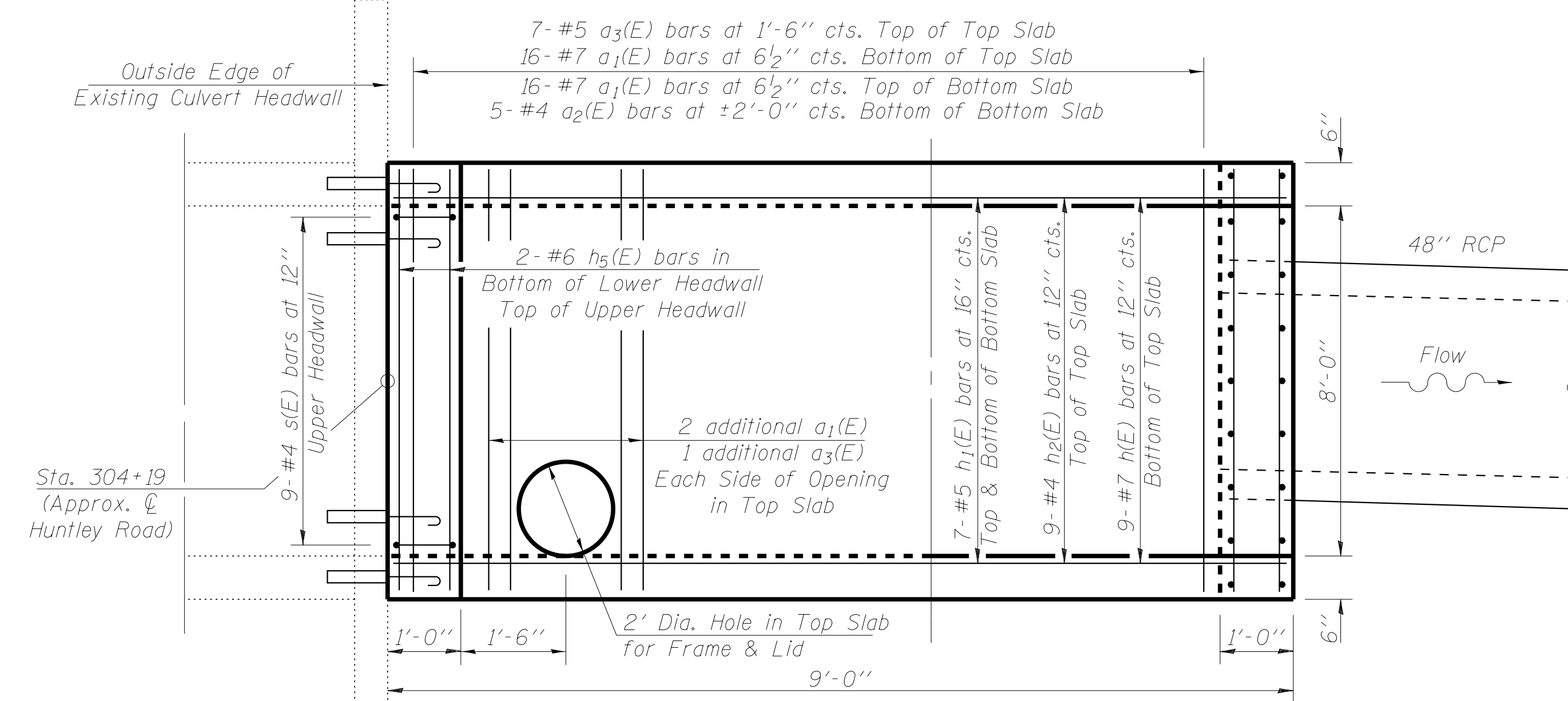
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a ₁ (E)	34	#7	10'-4"	C
a ₂ (E)	5	#4	8'-3"	—
a ₃ (E)	8	#5	8'-8"	—
h(E)	9	#7	8'-9"	—
h ₁ (E)	14	#5	8'-9"	—
h ₂ (E)	9	#4	8'-9"	—
h ₃ (E)	10	#5	8'-8"	—
h ₄ (E)	16	#4	8'-8"	—
h ₅ (E)	4	#6	8'-9"	—
s(E)	9	#4	4'-7"	□
v(E)	22	#4	5'-4"	—
v ₁ (E)	12	#4	6'-6"	—
v ₂ (E)	4	#4	4'-6"	—
Concrete Box Culverts	Cu. Yd.	8.0		
Reinforcement Bars	Pound	1560		
Expansion Bolts	Each	20		
3/4 Inch X 9 Inch				

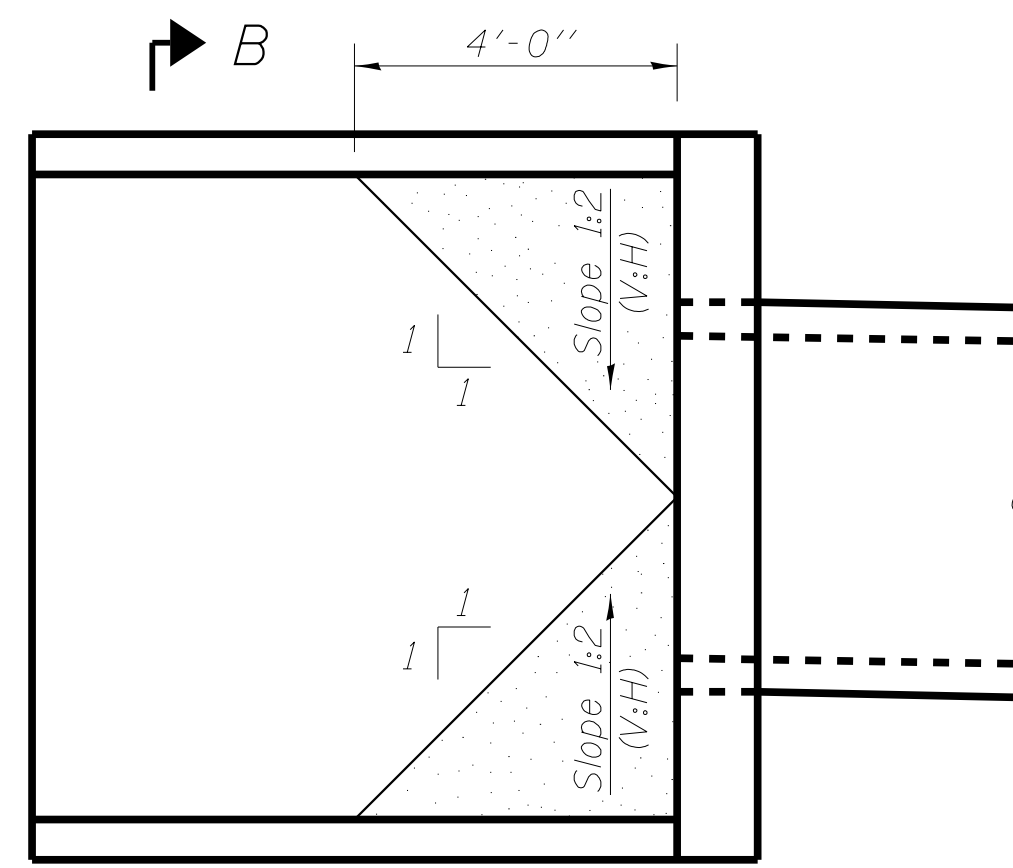
DESIGN STRESSES

f_y = 60,000 psi
f'_c = 3,500 psi

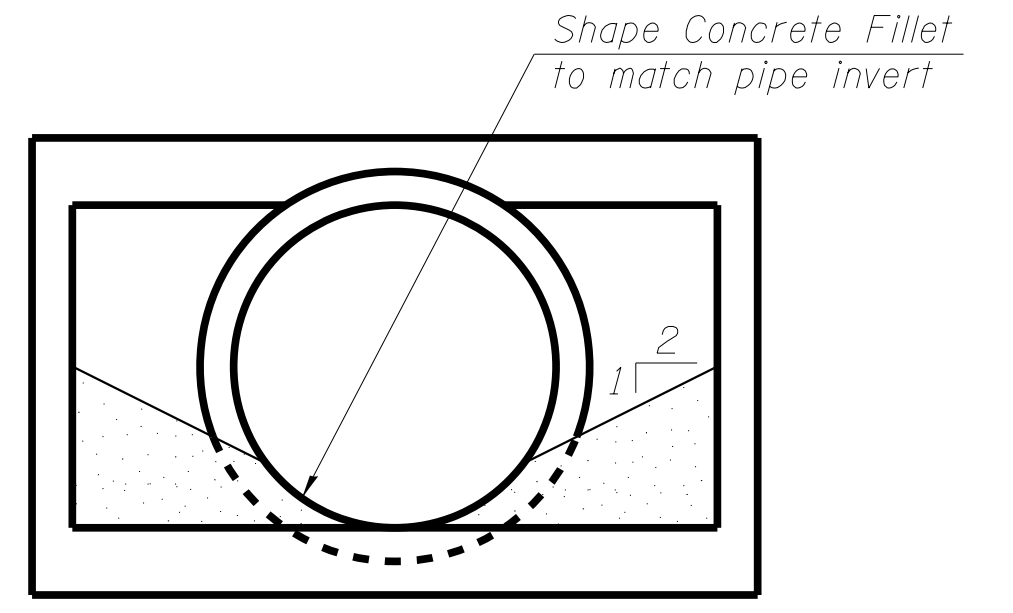
LOADING HL-93



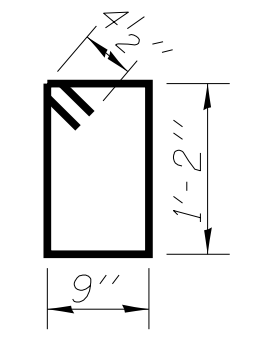
SHOWING OUTLINES **SHOWING REINFORCEMENT**
PLAN



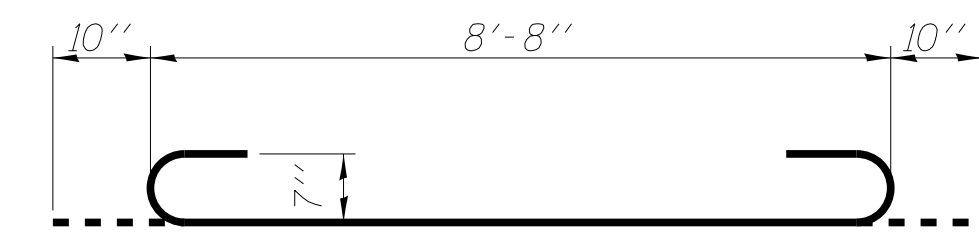
CONCRETE FILLET PLAN



VIEW B-B



BAR s(E)



BAR a₁(E)

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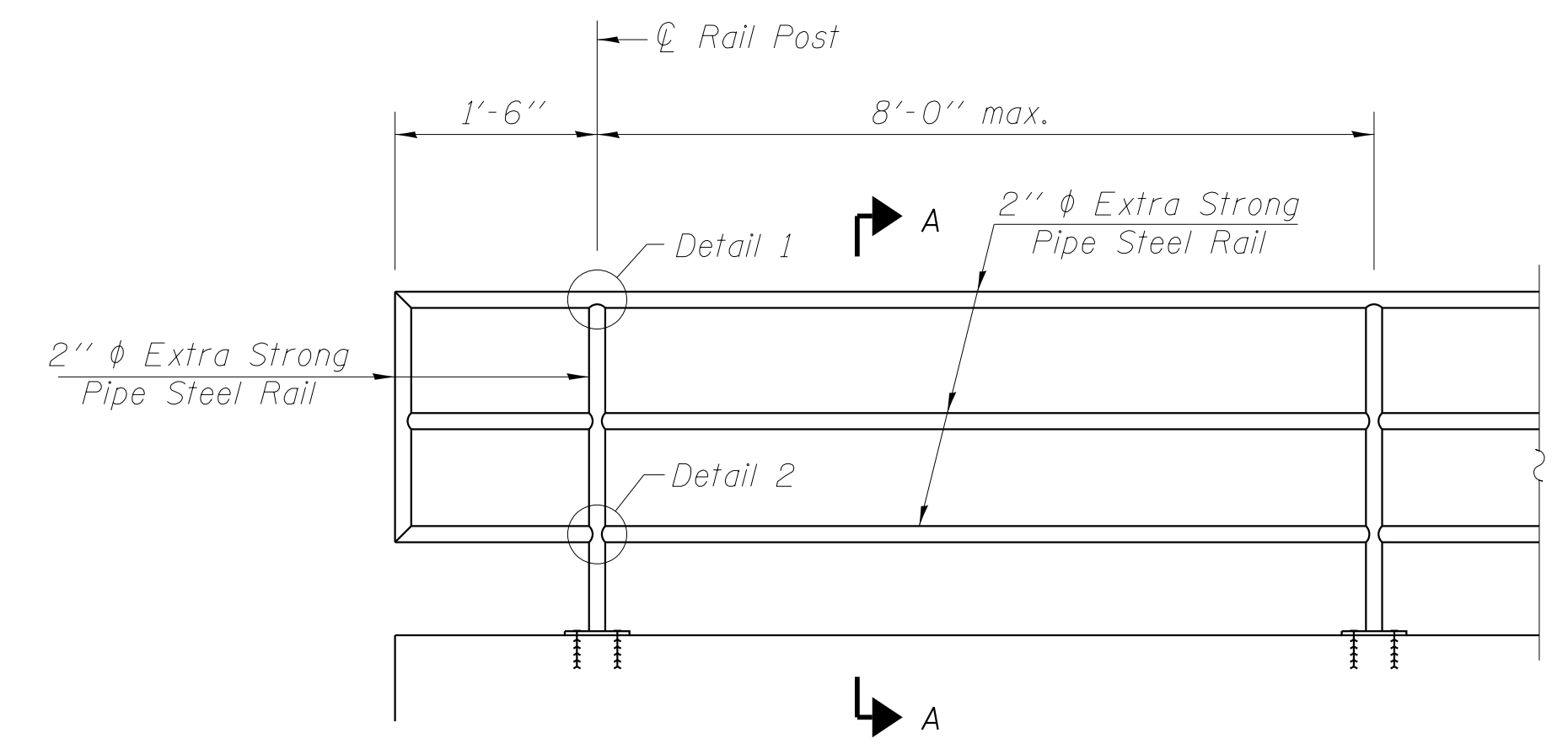
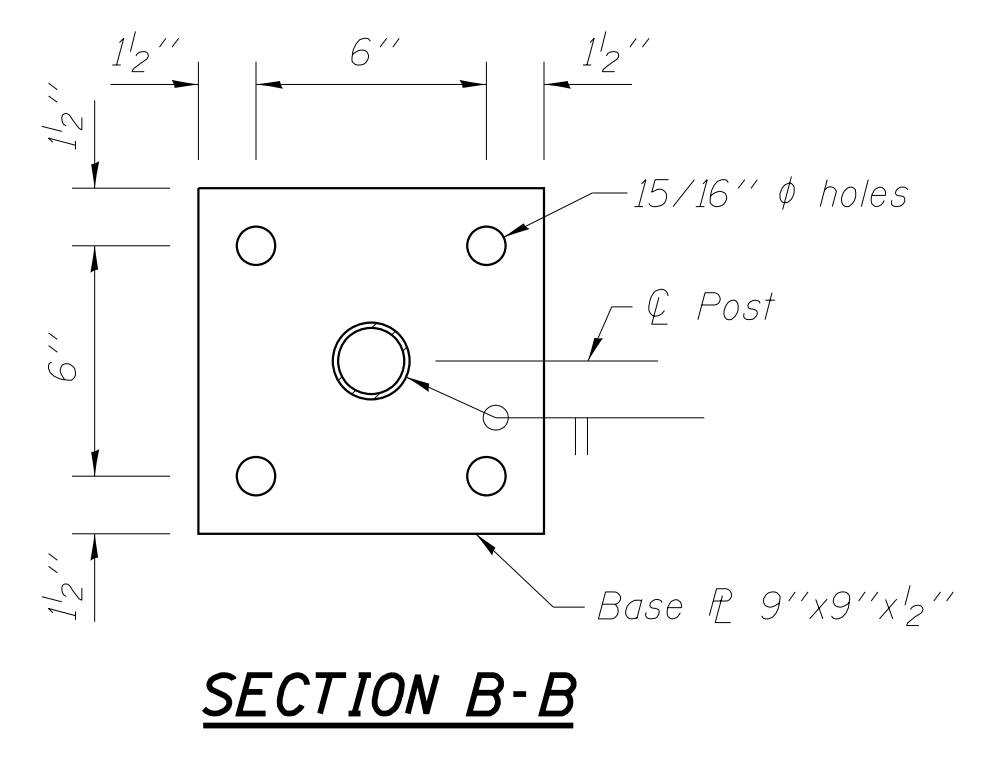
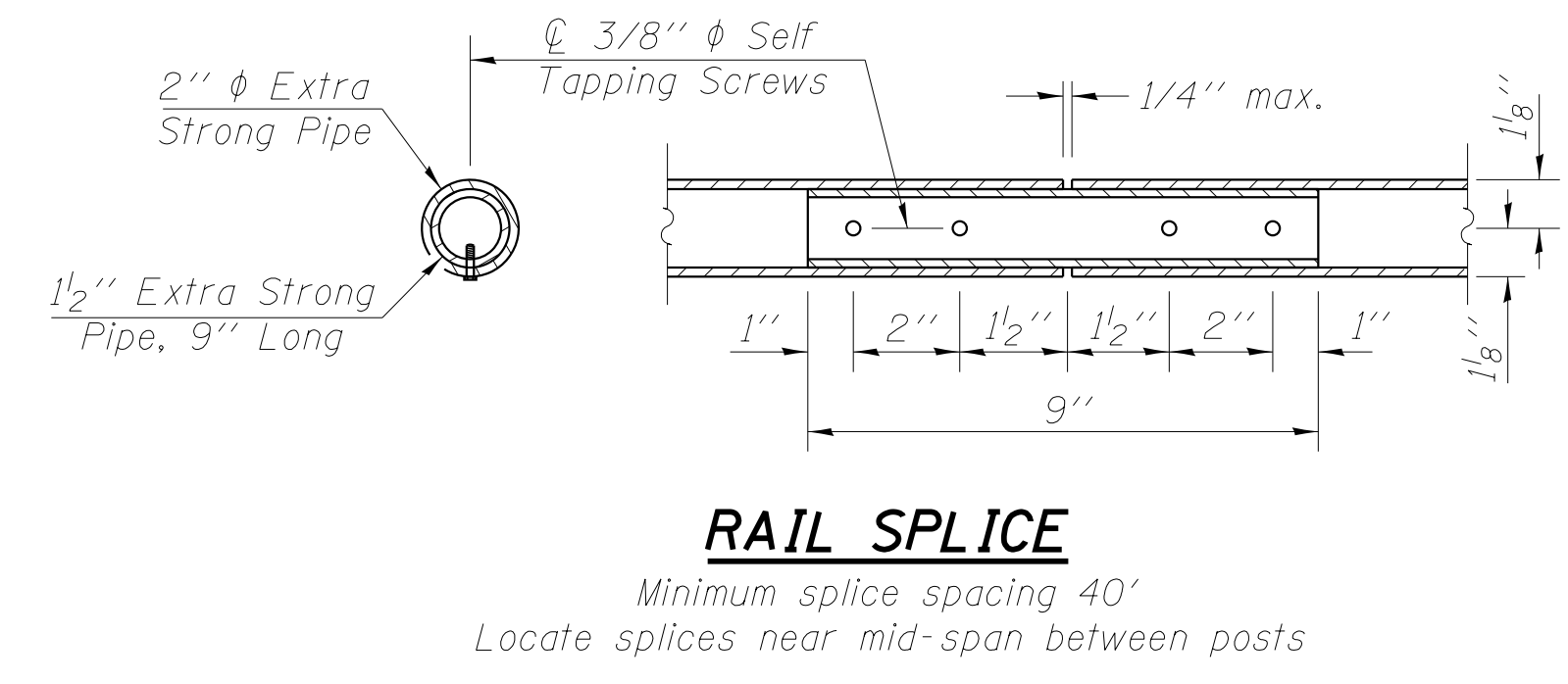
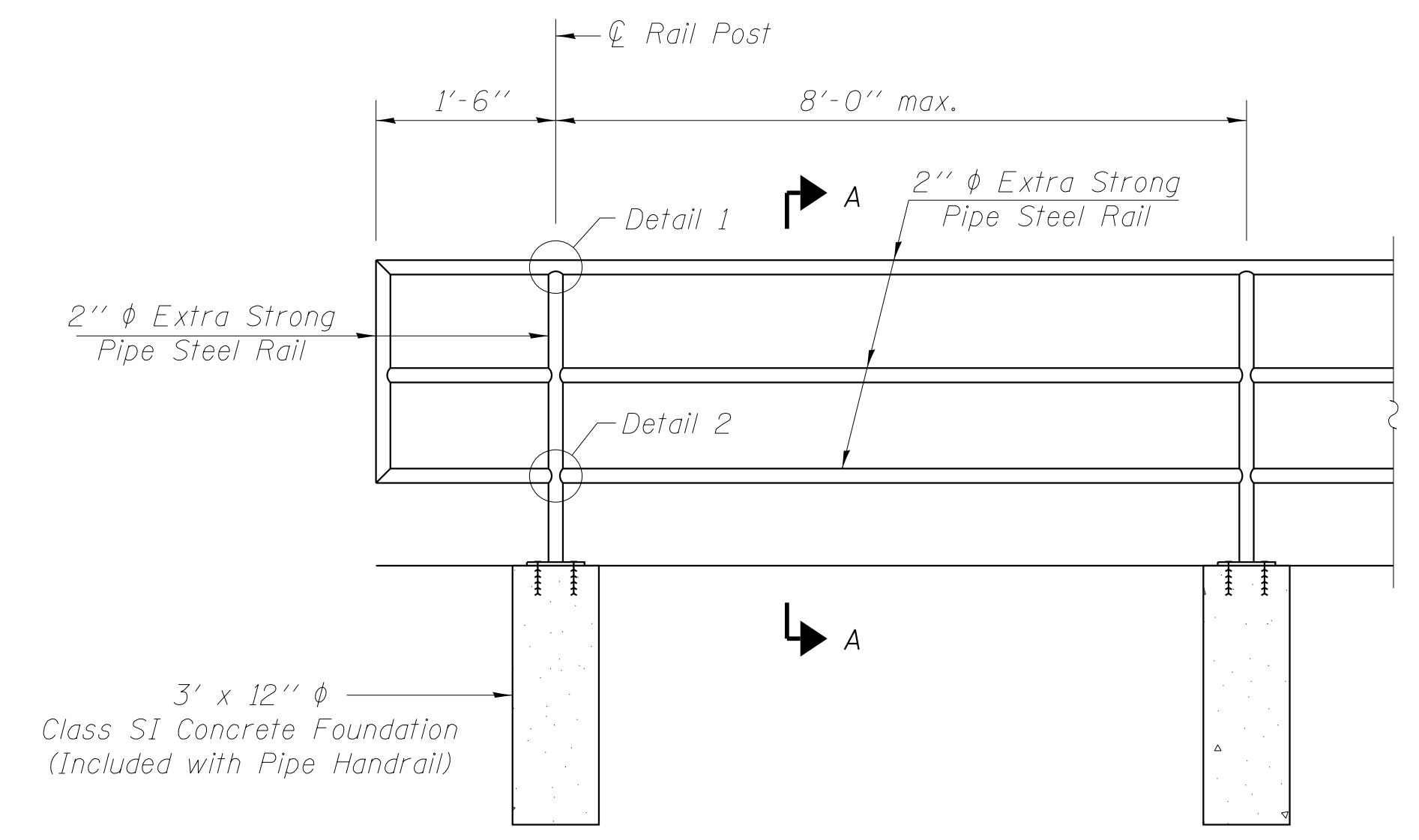
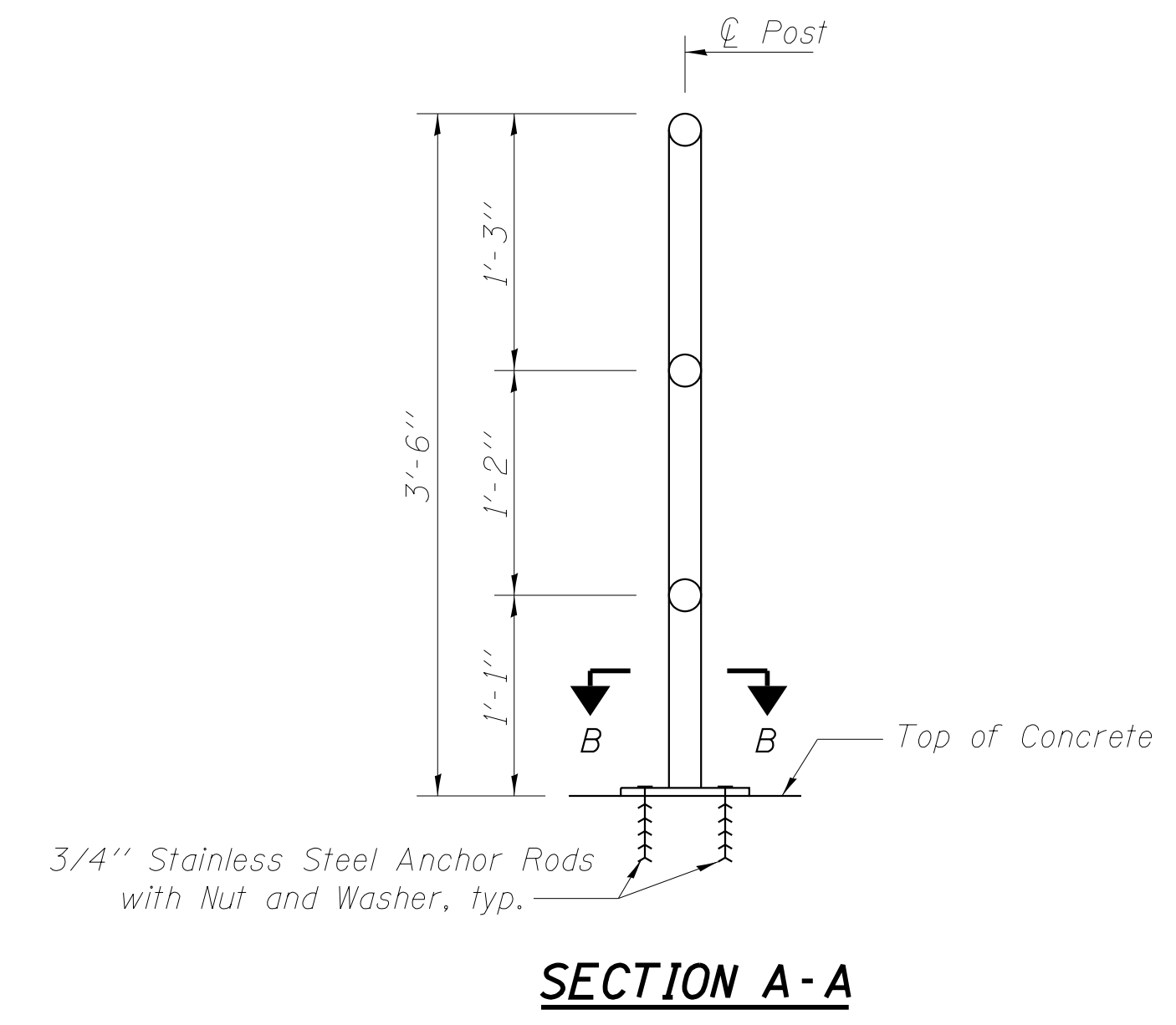
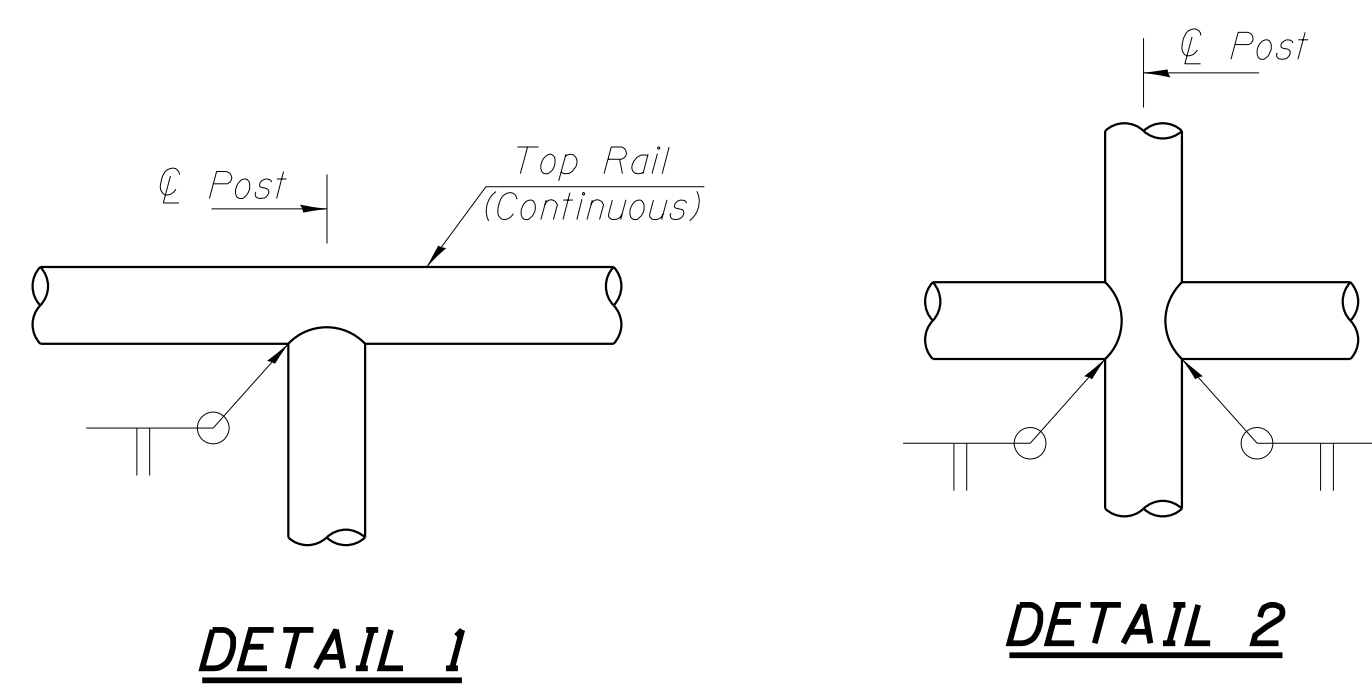
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DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
CULVERT TRANSITION SECTION STA. 304 + 19

SHEET NO. 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	124
D-91-169-15				

ILLINOIS FED. AID PROJECT M-4003(446)



NOTES

Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the contract unit price per foot.

Hollow structural steel tubing shall conform to the requirements of ASTM designation A 500, Grade B, Structural Steel Tubing.

All other steel shapes and plates shall conform to the requirements of AASHTO M-270M, Grade 345.

All posts, railing, splices, anchor devices, and bent plates shall be galvanized after shop fabrication according to AASHTO M-111 and ASTM A-385. All bolts, nuts and washers shall be galvanized according to AASHTO M-232 except stainless steel bolts as noted.

Vent holes for galvanizing shall be placed in the posts and rails at locations that will not allow the accumulation of moisture in the members.

See structural detail sheets for Pipe Handrail quantities.

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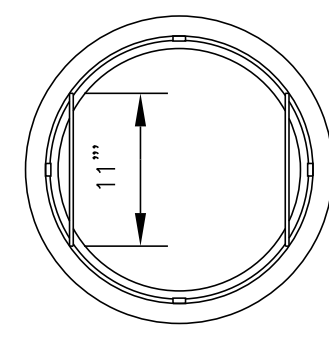
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DEPARTMENT OF TRANSPORTATION**

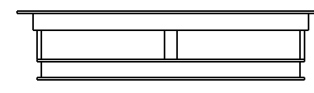
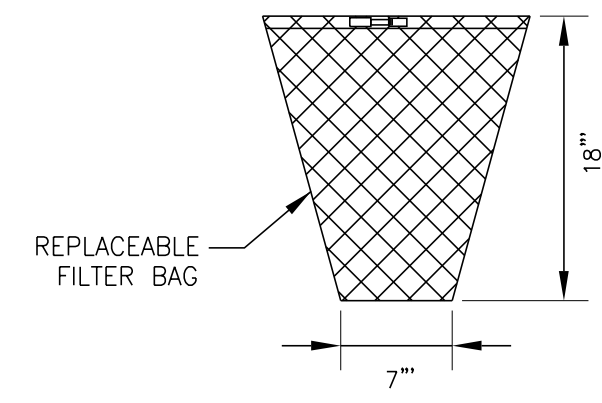
PIPE HANDRAIL DETAILS

SHEET NO. 1 OF 1 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	126
D-91-169-15		CONTRACT NO. 61C86		
ILLINOIS FED. AID PROJECT M-4003(447)				



PLAN



SECTION

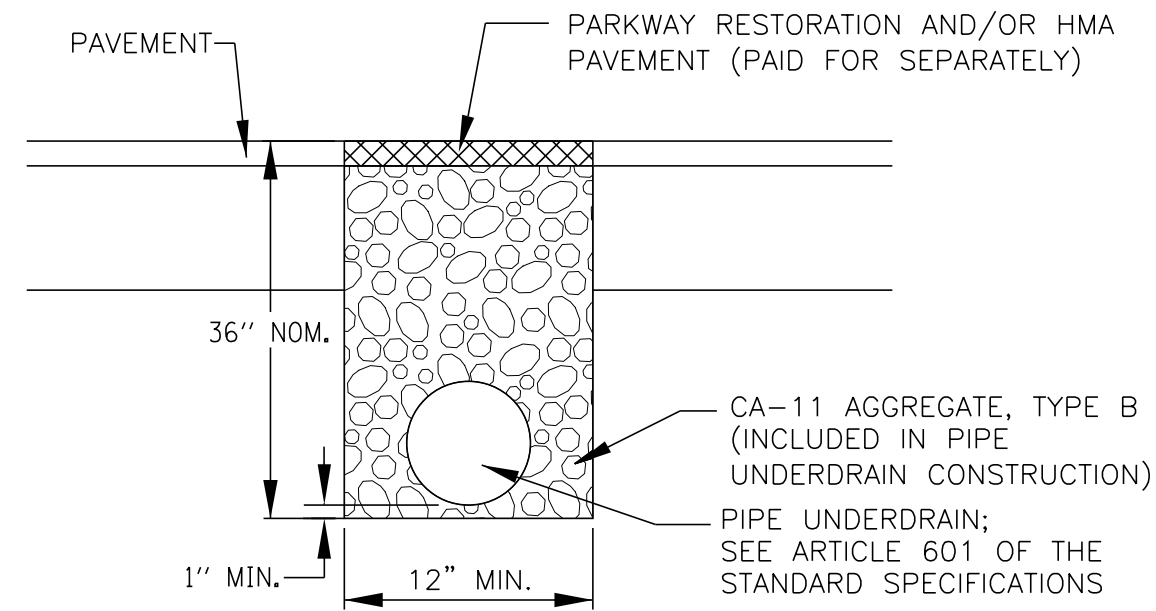
GENERAL NOTES:

FRAME: TOP RING CONSTRUCTED FROM 1 1/4" x 1 1/4" x 1/8" ANGLE.
 BASE RING CONSTRUCTED OF 1 1/2" x 1/2" x 1/8" CHANNEL. HANDLES
 & SUSPENSION BRACKETS CONSTRUCTED FROM 1/4" x 1 1/4" FLAT.
 ALL STEEL CONFORMING TO ASTM-A36.

REPLACEABLE BAG: CONSTRUCTED FROM 4 OZ./SQ. YD. NON-WOVEN
 POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH.
 CONNECTED TO BASE RING WITH STAINLESS STEEL STRAP & LOCK.

INLET FILTER

NO SCALE



PIPE UNDERDRAINS, 4"

NO SCALE

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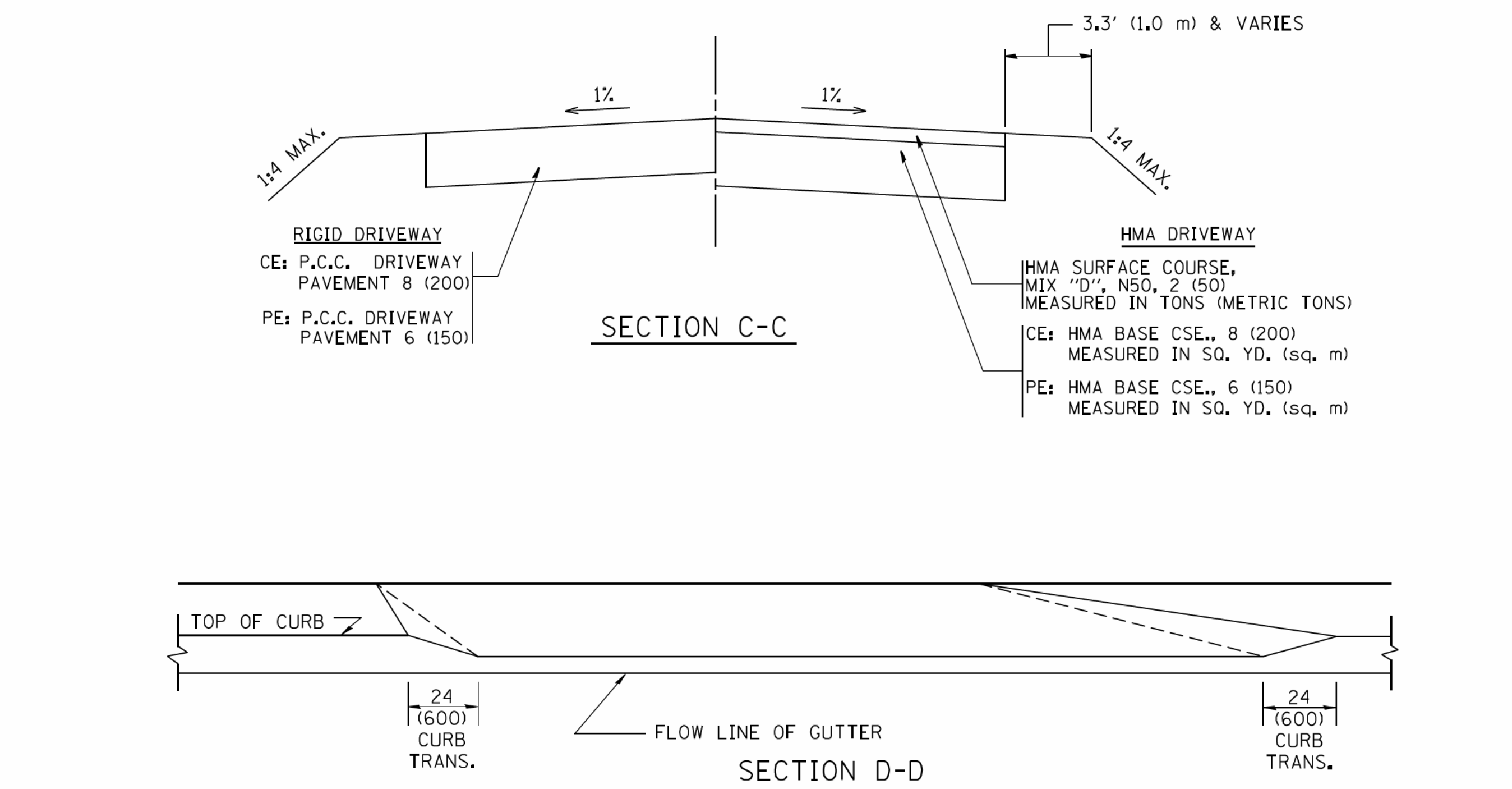
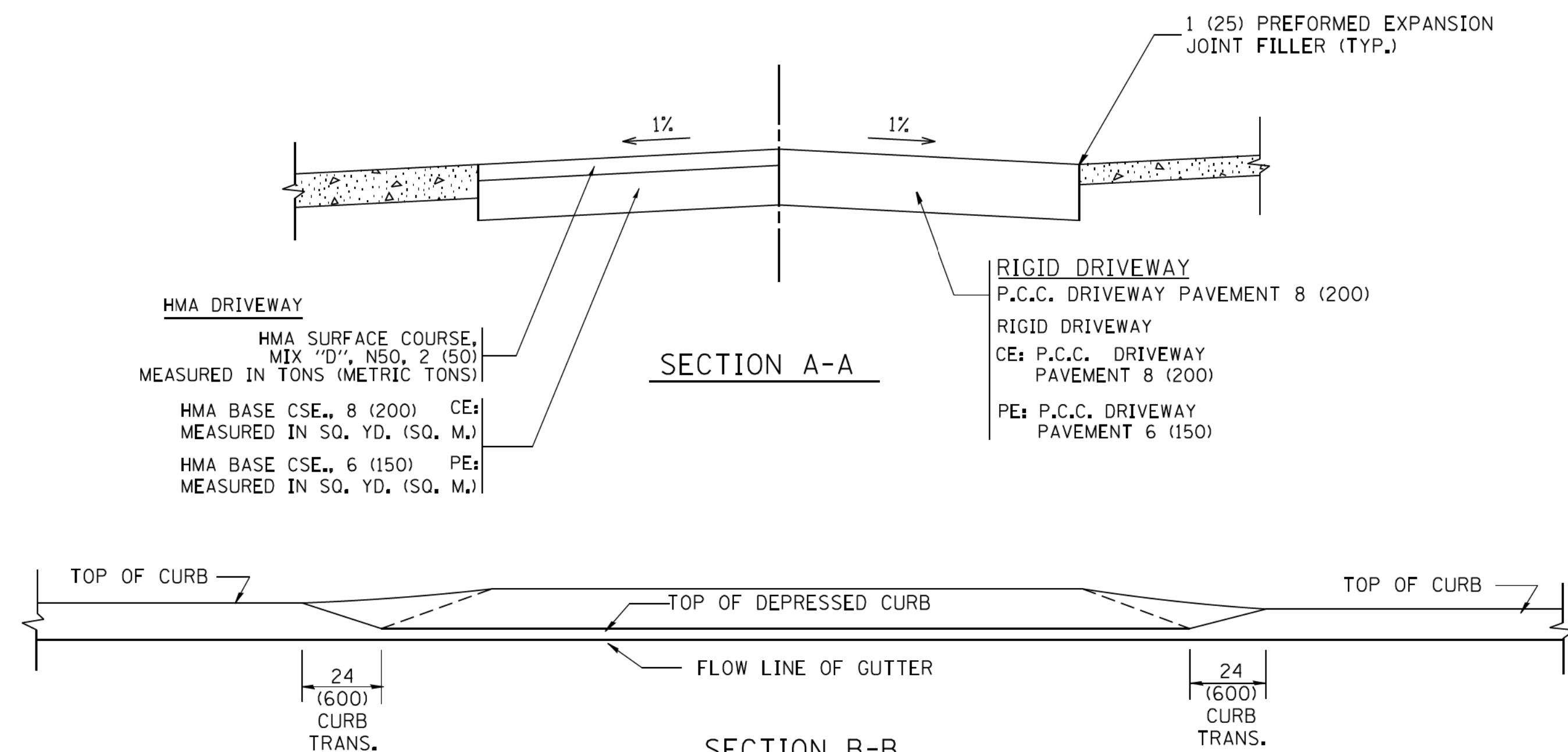
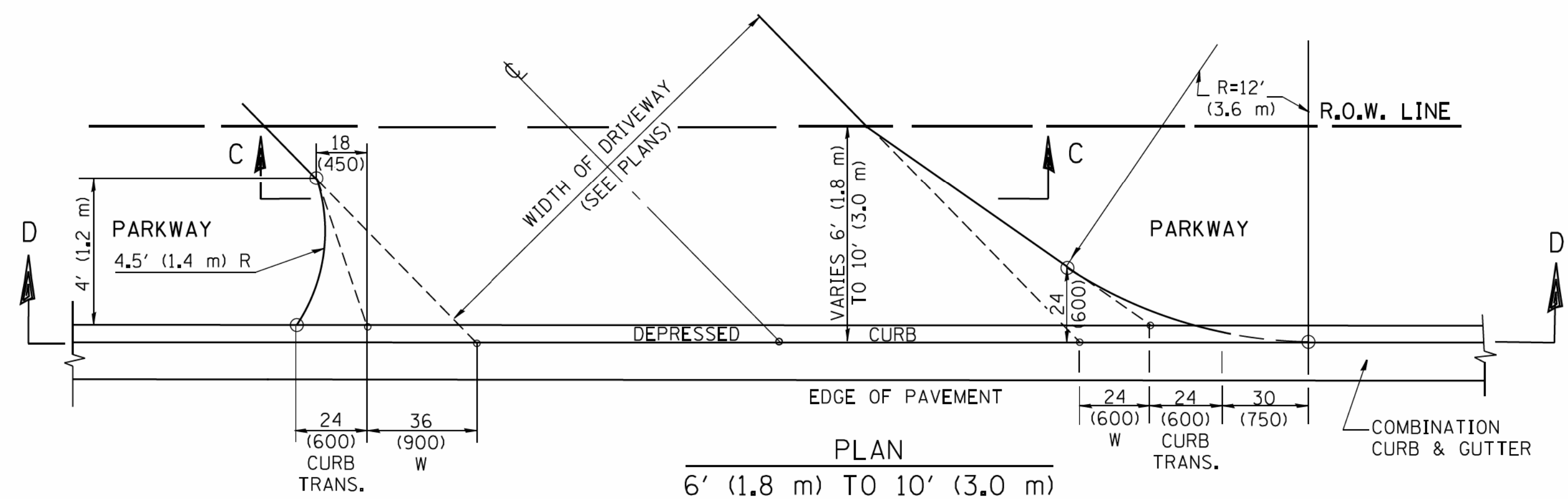
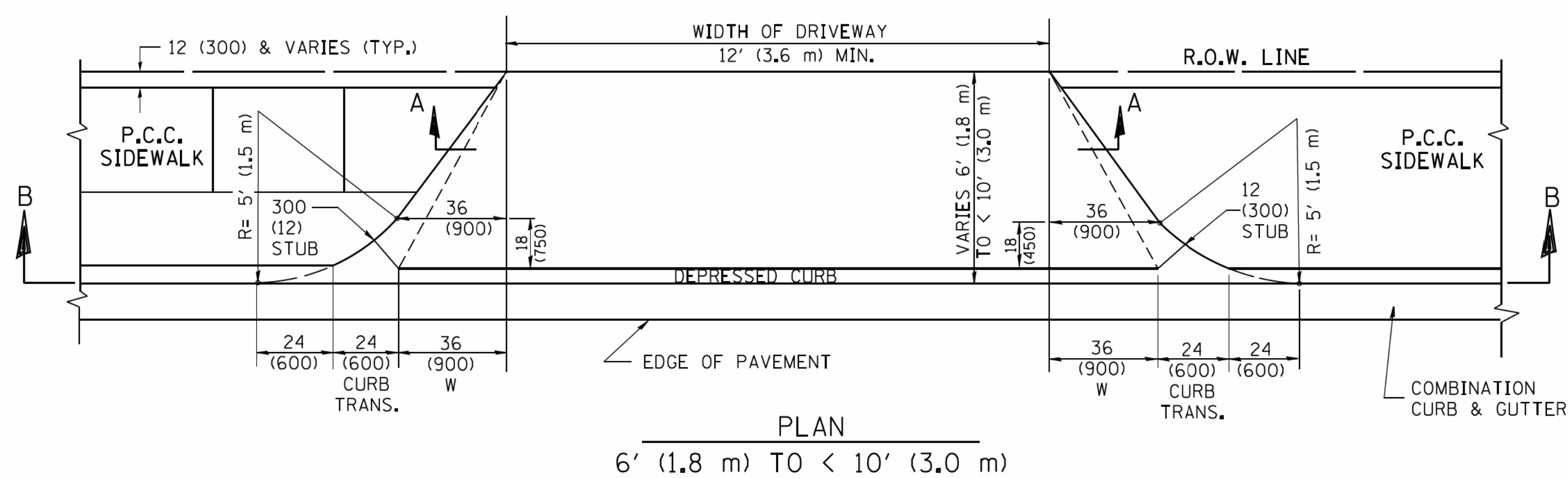
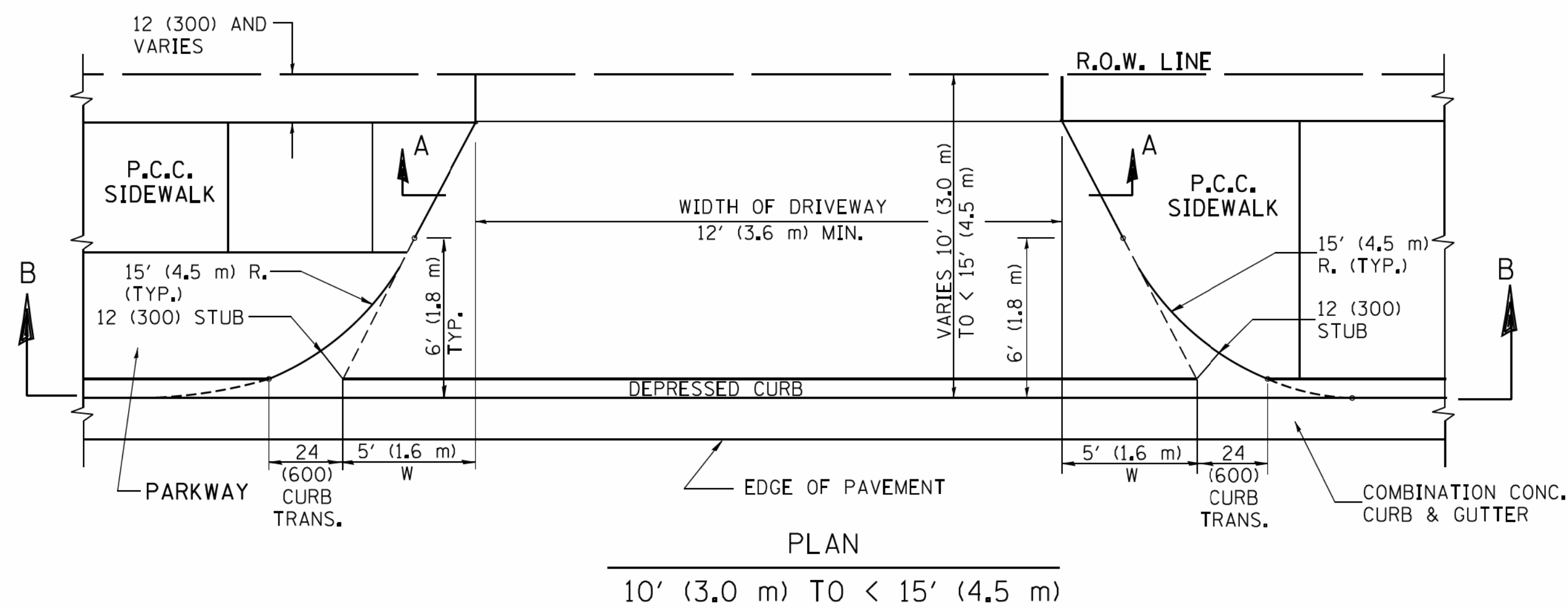
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DRAWN	- UKB	REVISED	-
CHECKED	- DTH	REVISED	-
DATE	- 10-09-17	FILE	- 140879SHT-MiscDetails.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MISCELLANEOUS DETAILS

SCALE: _____ STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	127
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

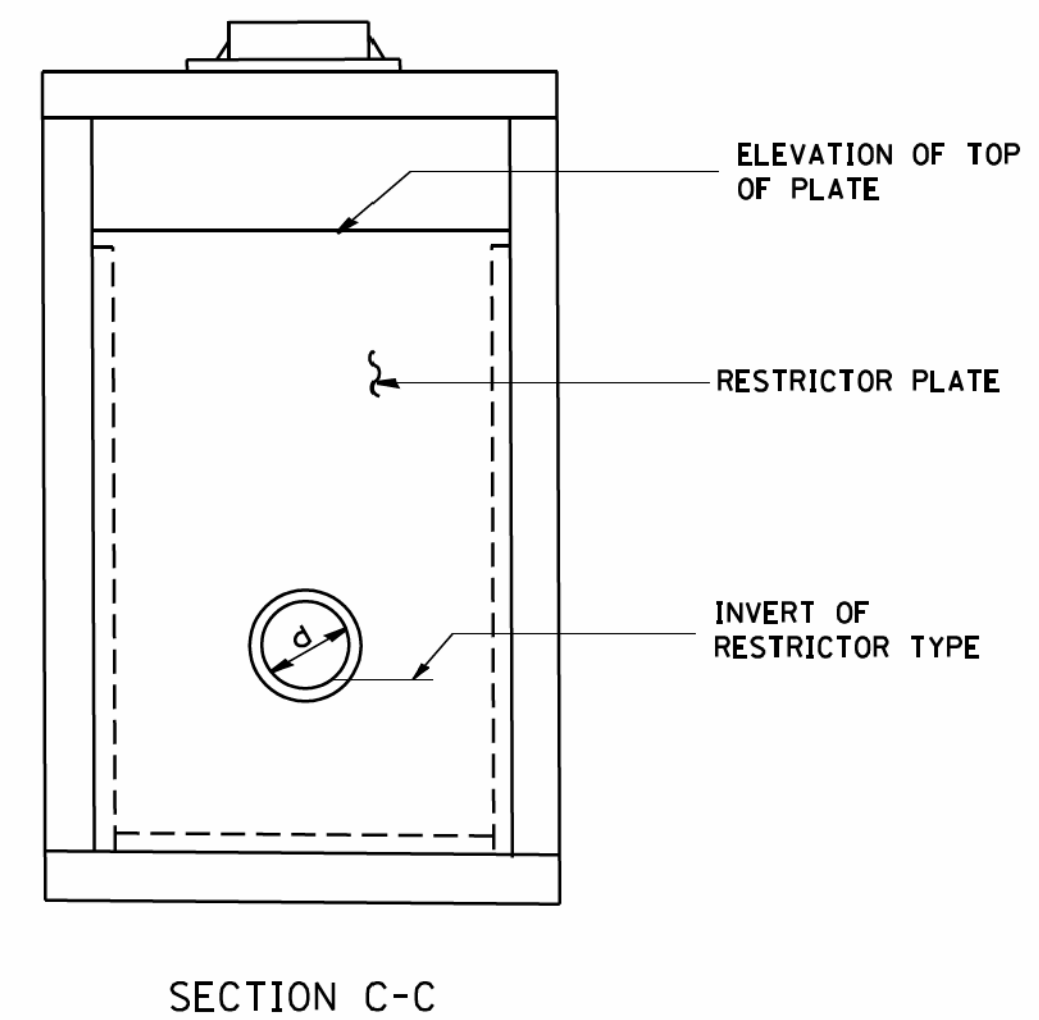
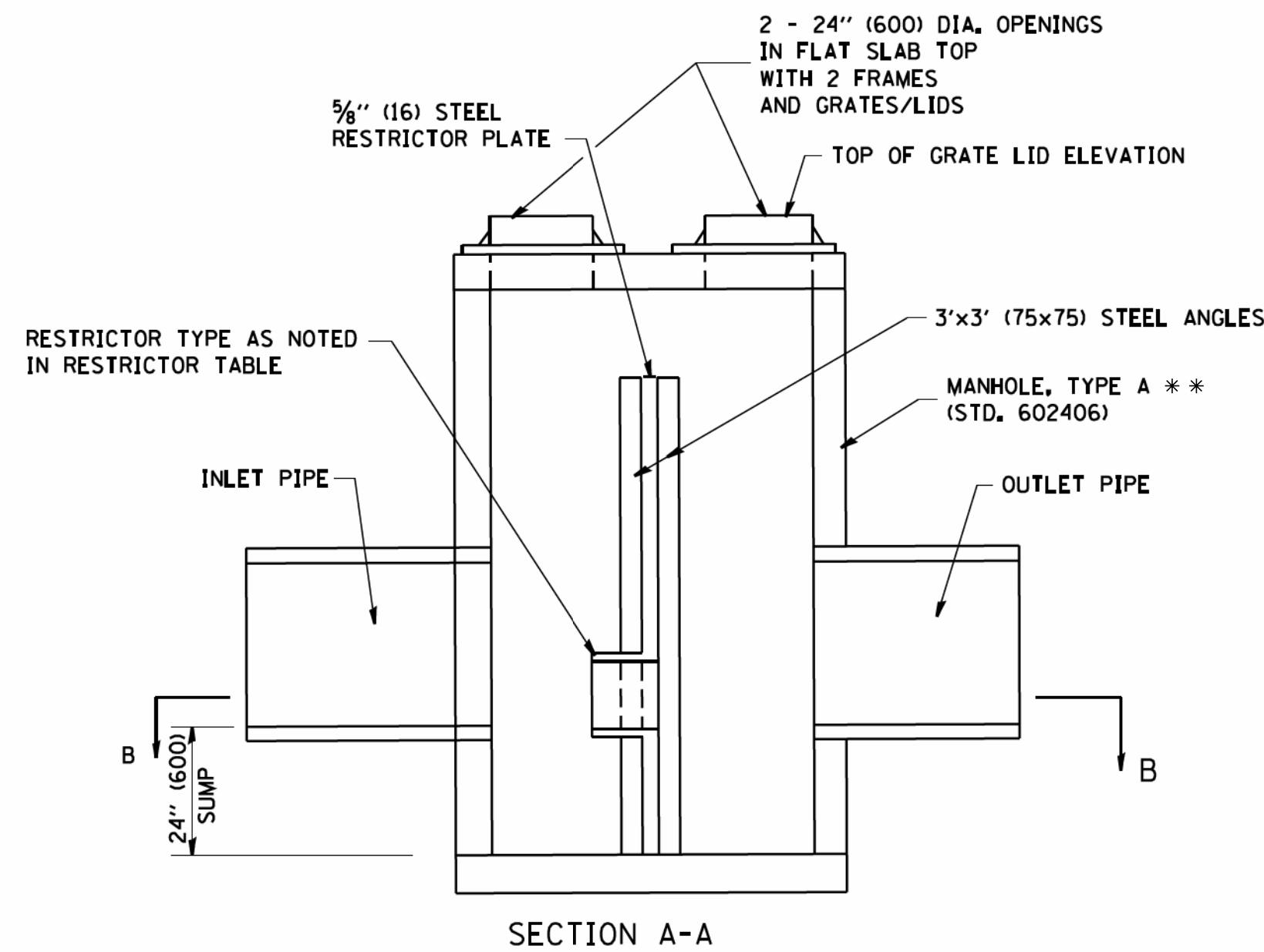
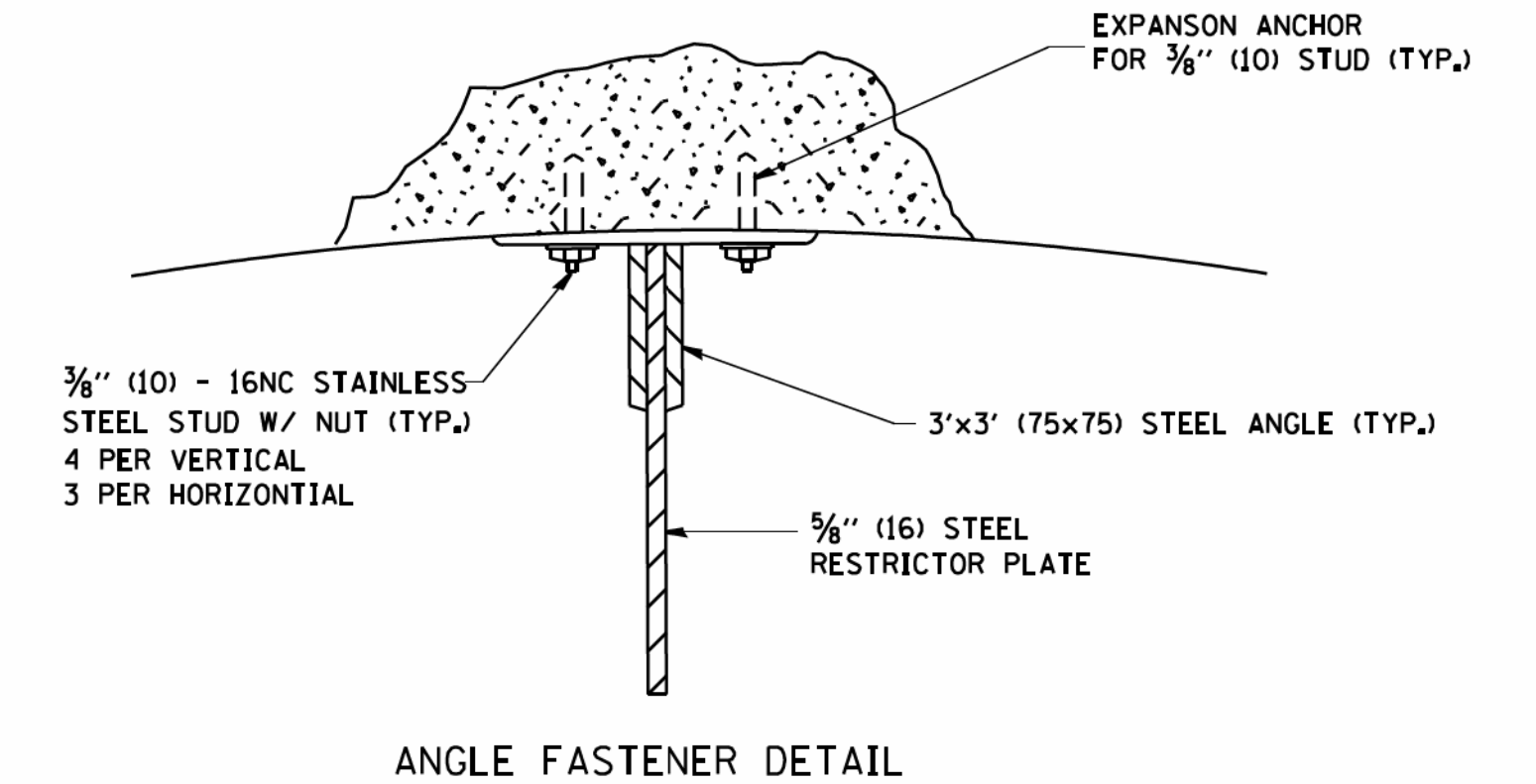
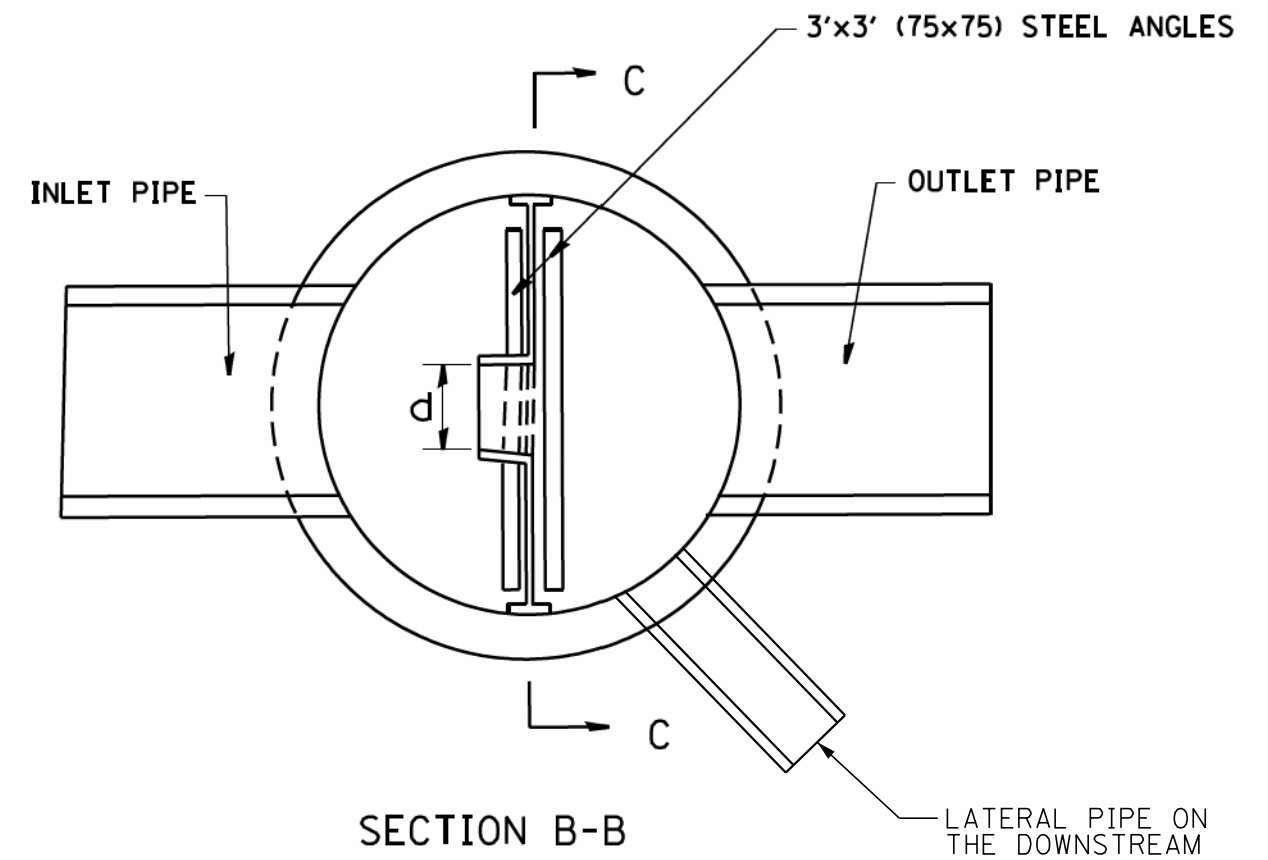
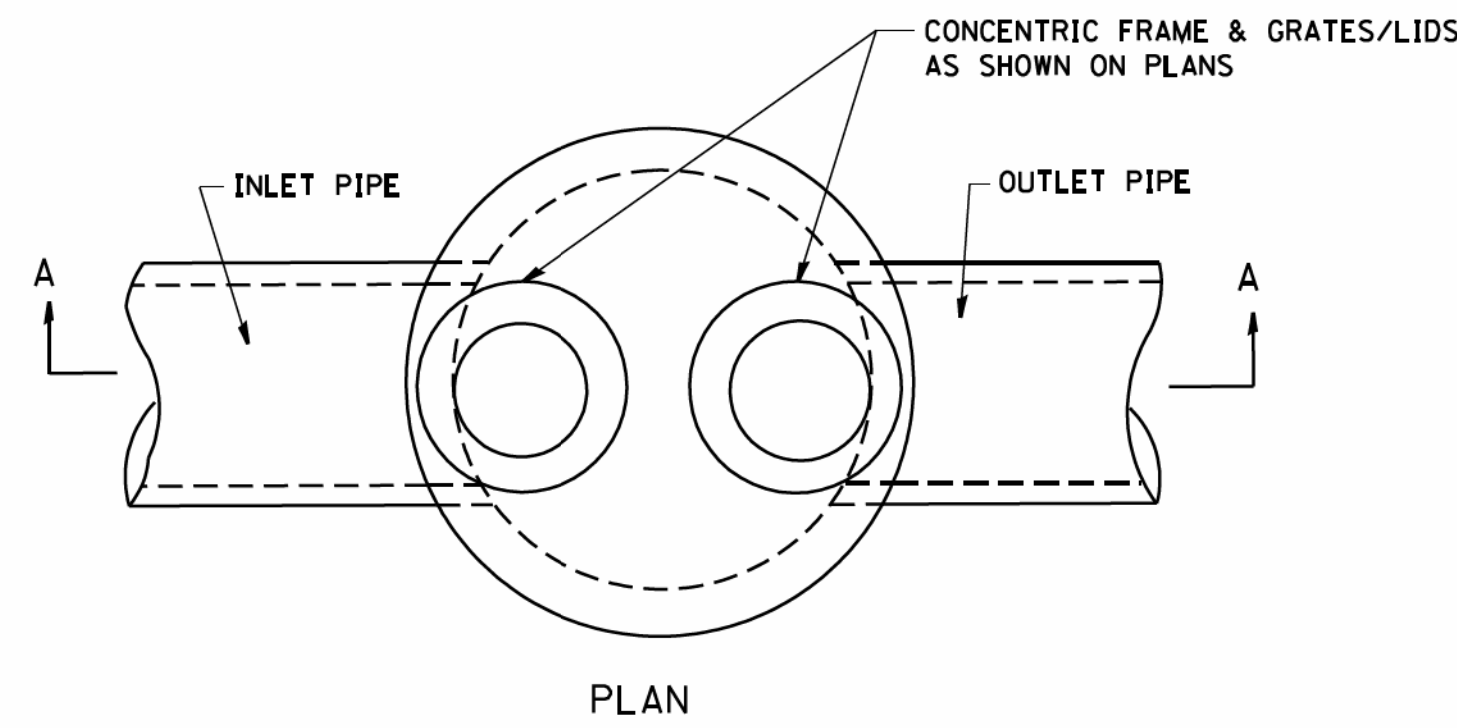
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		CHECKED -	REVISOR - R. BORO 09-06-11
		DATE - 11-06-95	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

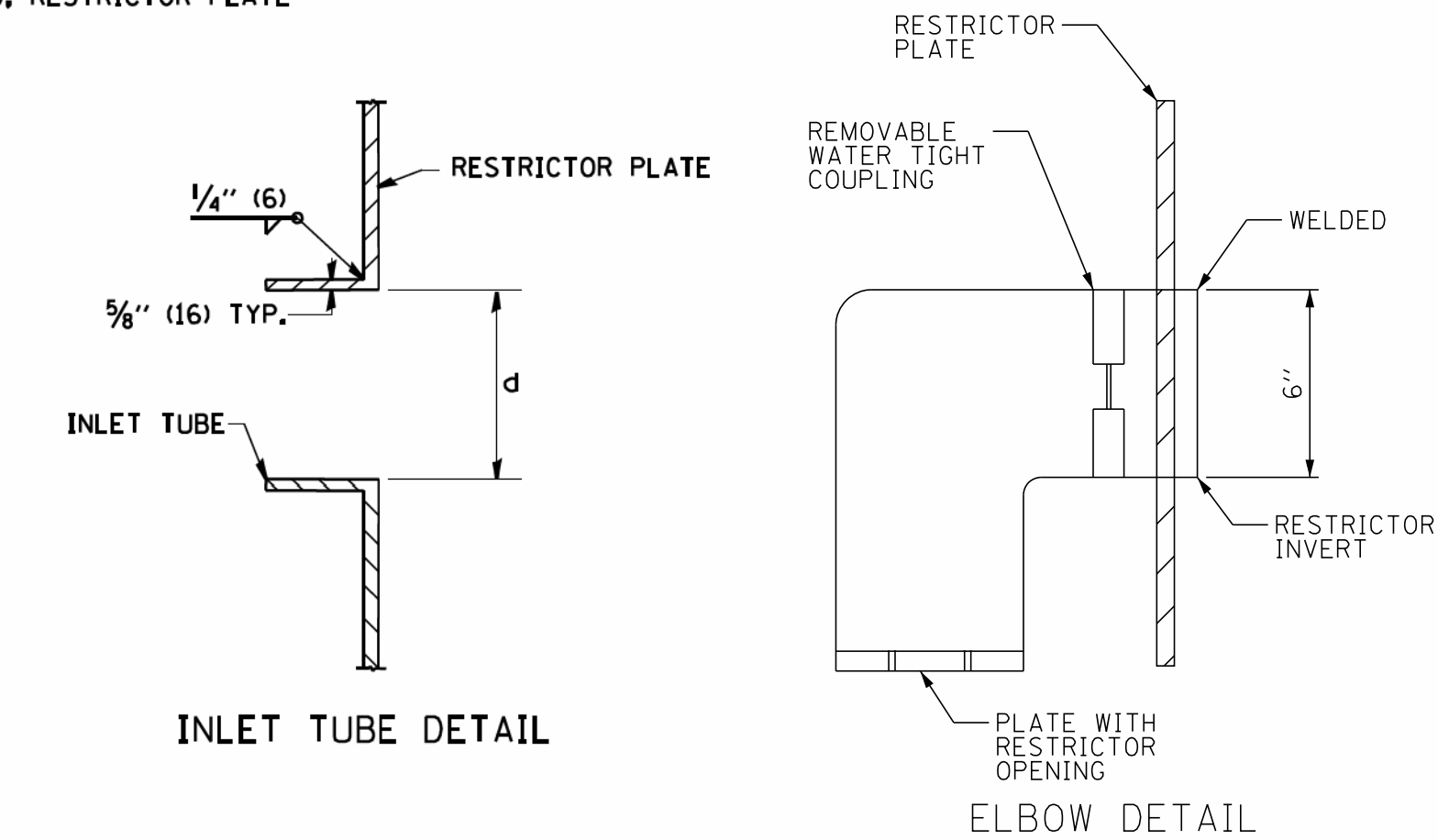
DRIVEWAY DETAILS	
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	129
BD400-02 (BD-02)		CONTRACT NO. 61C86		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				

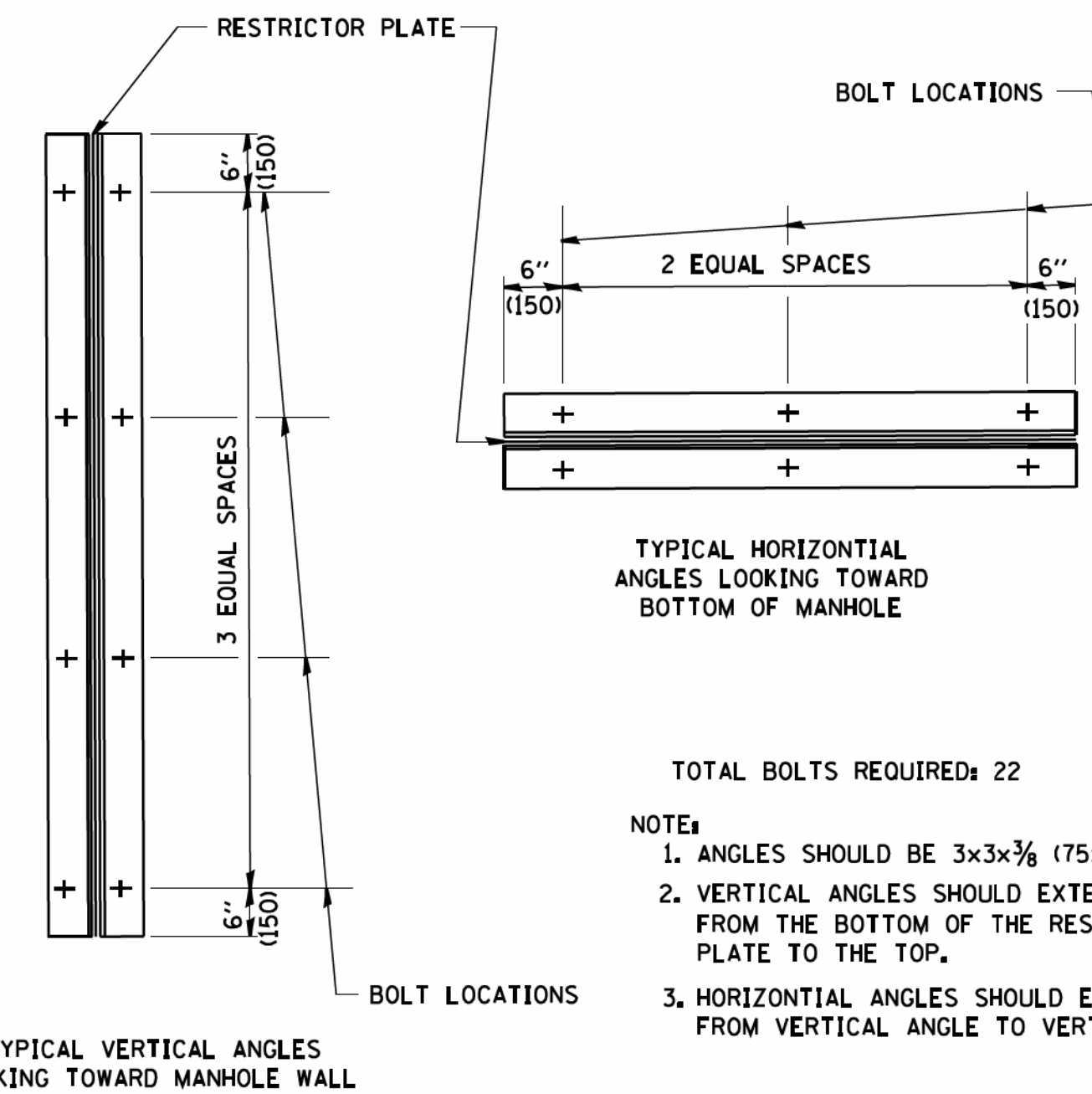
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 10/25/2011



- 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, OF THE DIAMETER SPECIFIED, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



** MANHOLE STEPS INSTALLED ON EACH SIDE OF RESTRICTOR PLATES UNDER LIDS.



- TOTAL BOLTS REQUIRED: 22
- NOTE:
1. ANGLES SHOULD BE 3x3x3/8 (75x75x75)
 2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
 3. HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

STRUCTURE LABEL	STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE			ELEVATION OF TOP OF PLATE OVERFLOW
				RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER in. (mm) (d)	INVERT OF RESTRICTOR TYPE	
S2-7	266+63	6'	T-1 F CL	2	10.8	907.71	911.1
S3-16	274+10	9'	T-1 F CL	2	10.3	879.85	889.6
S3-17	275+00	9'	T-1 F CL	2	12.3	870.62	886.24
S4-11	276+55	9'	T-1 F CL	2	11.2	865.51	879.15
S4-12	278+10	9'	T-1 F CL	2	15.5	858.50	872.09
S4-13	280+40	9'	T-1 F CL	2	4.3	858.40	865.00
S4-10	281+16	9'	T-1 F CL	7	2.3	855.00	861.9
S9-1	302+01	6'	T-1 F CL	2	9.8	801.72	805.5
S9-18	303+78	6'	T-1 F CL	2	9.0	798.50	803.0
S9-21	304+85	6'	T-1 F CL	2	11.9	798.50	803.0

RESTRICTOR TYPE	VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES					
	1	2	3	4	5	6
7	1	2	3	4	5	6
ELBOW	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=.61	C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

- NOTES:
1. RESTRICTOR PLATES AND ELBOWS SHALL BE ALUMINUM, ALUMINIZED STEEL OR GALVANIZED STEEL.

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USER NAME = geglianobt

DESIGNED - R. SHAH

REVISD - R. SHAH 10-25-94

DRAWN -

REVISD - E. GOMEZ 08-28-00

PLOT SCALE = 50.000' / IN.

CHECKED -

REVISD - M. GOMEZ 01-08-01

PLOT DATE = 1/4/2008

DATE - 09-09-94

REVISD -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

MANHOLE WITH RESTRICTOR PLATE

SCALE: NONE

SHEET NO. 1 OF 1 SHEETS

STA. TO STA.

F.A.U. RTE. 1283

SECTION 14-00057-00-WR

COUNTY KANE

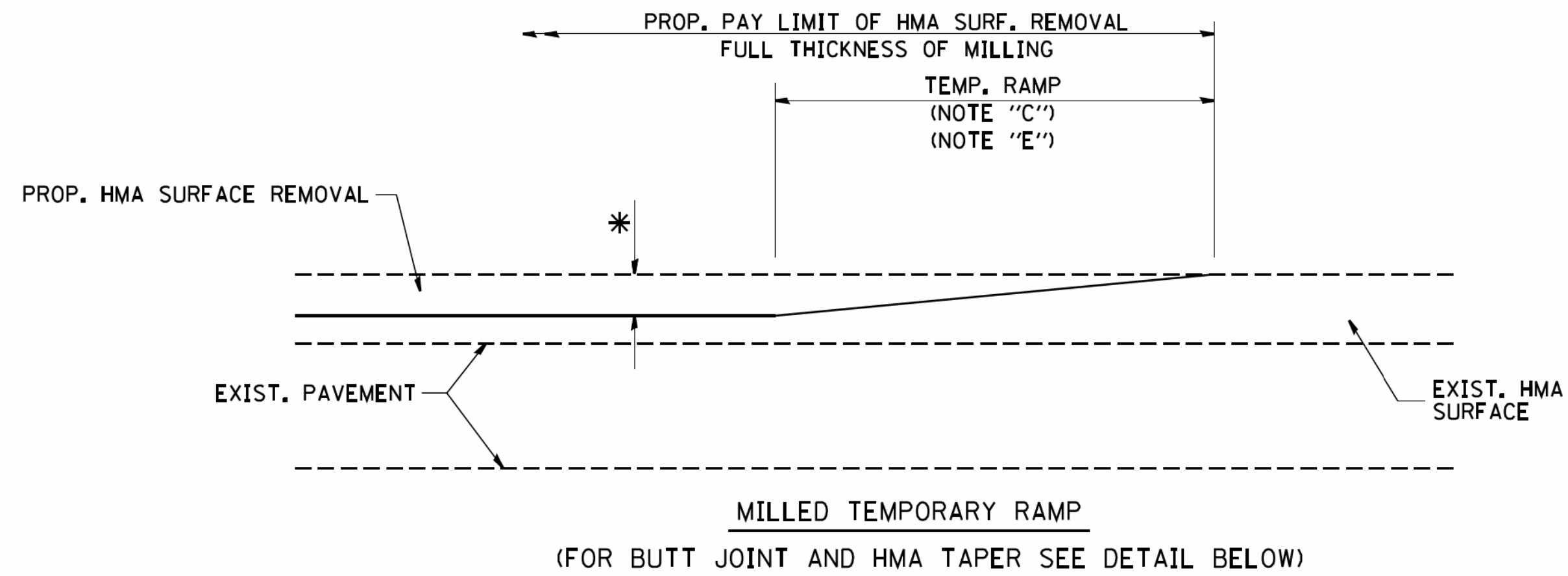
TOTAL SHEETS 173

SHEET NO. 130

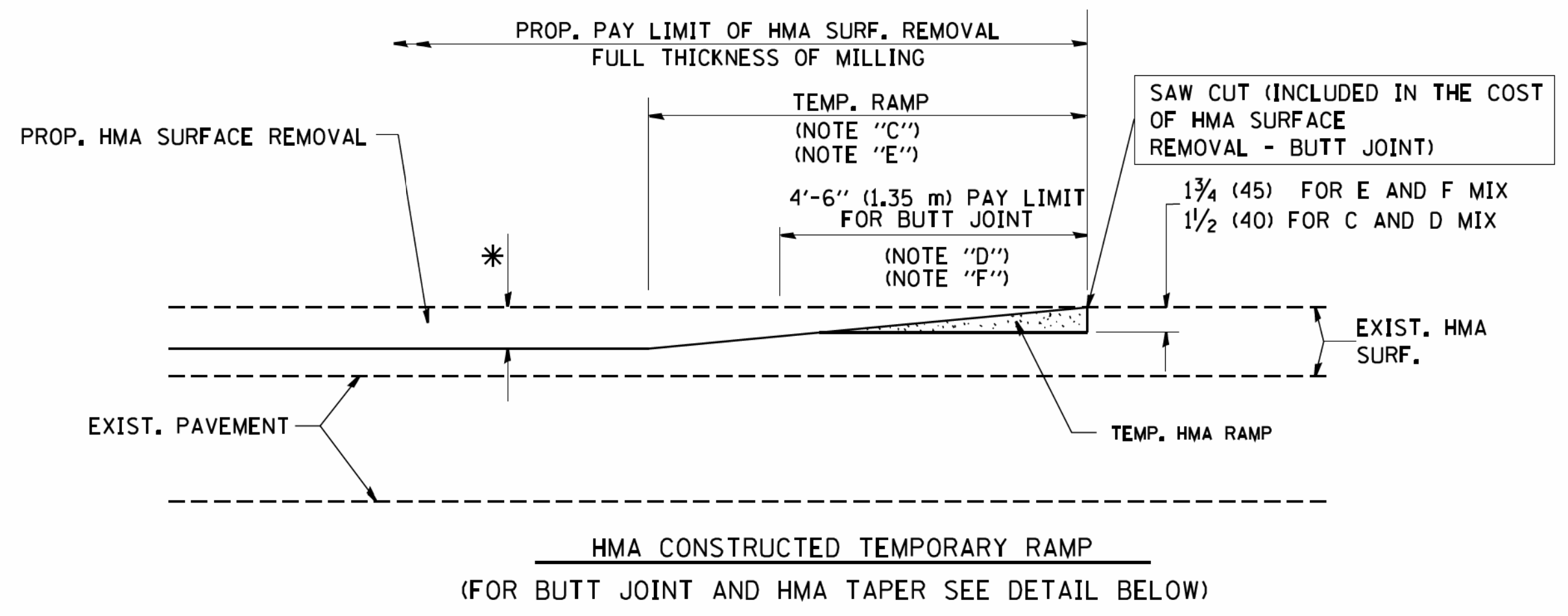
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CONTRACT NO. 61C86

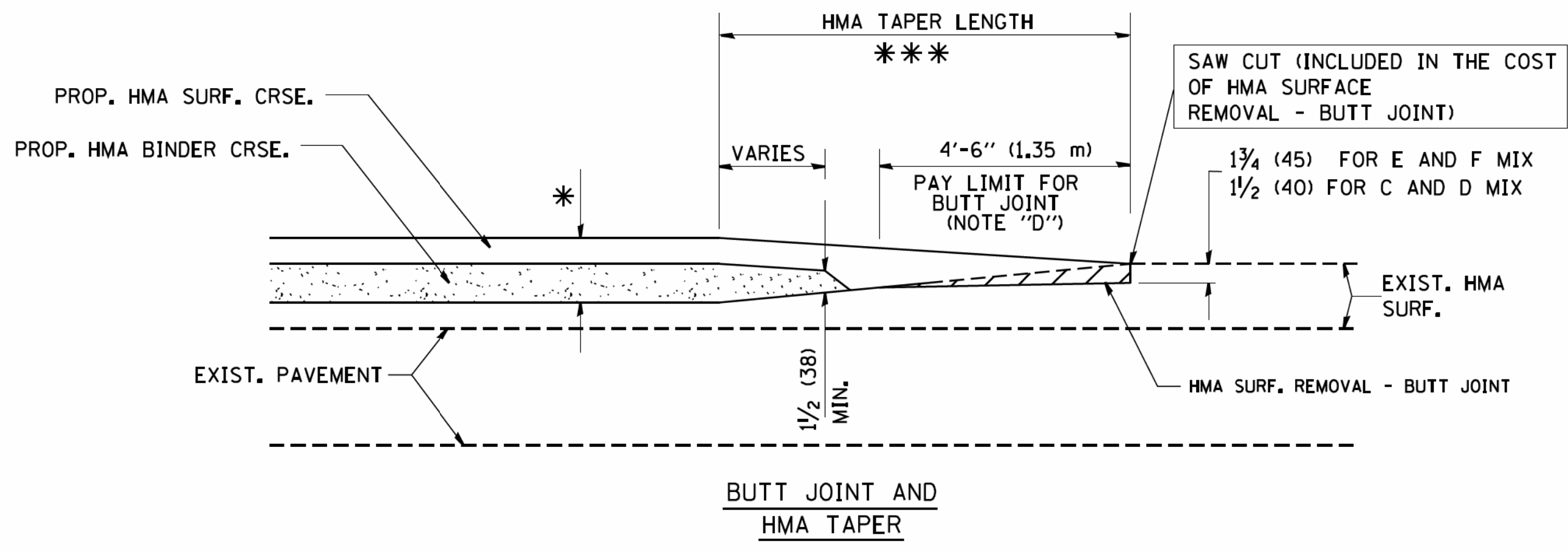
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)



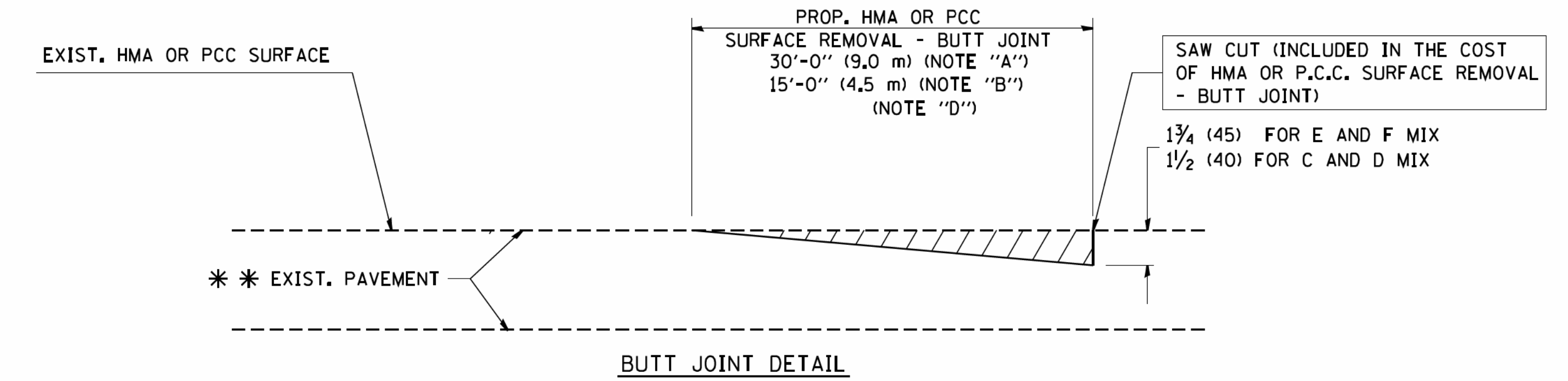
OPTION 1



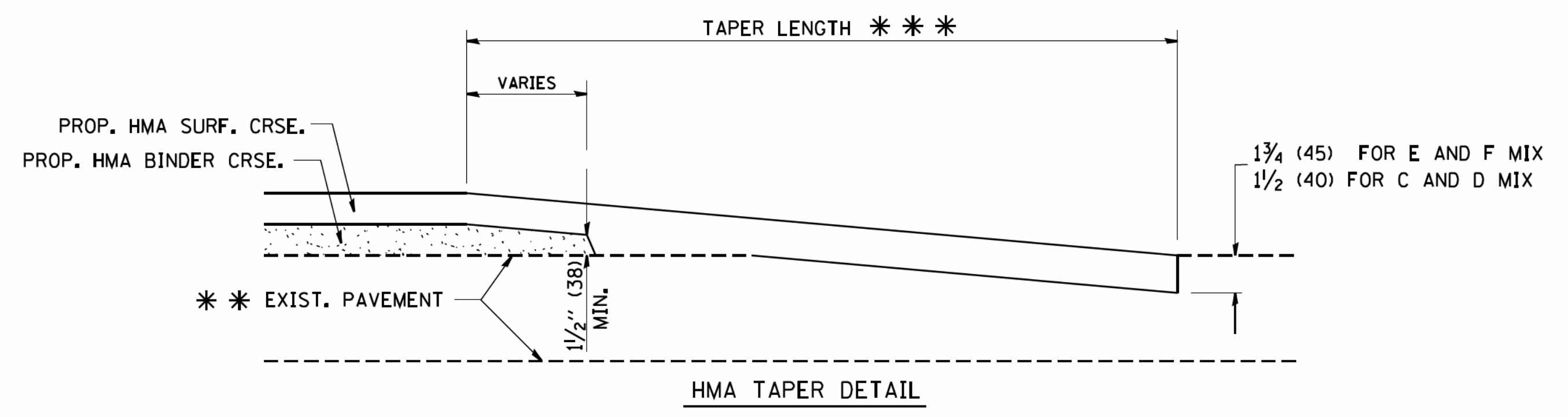
OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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

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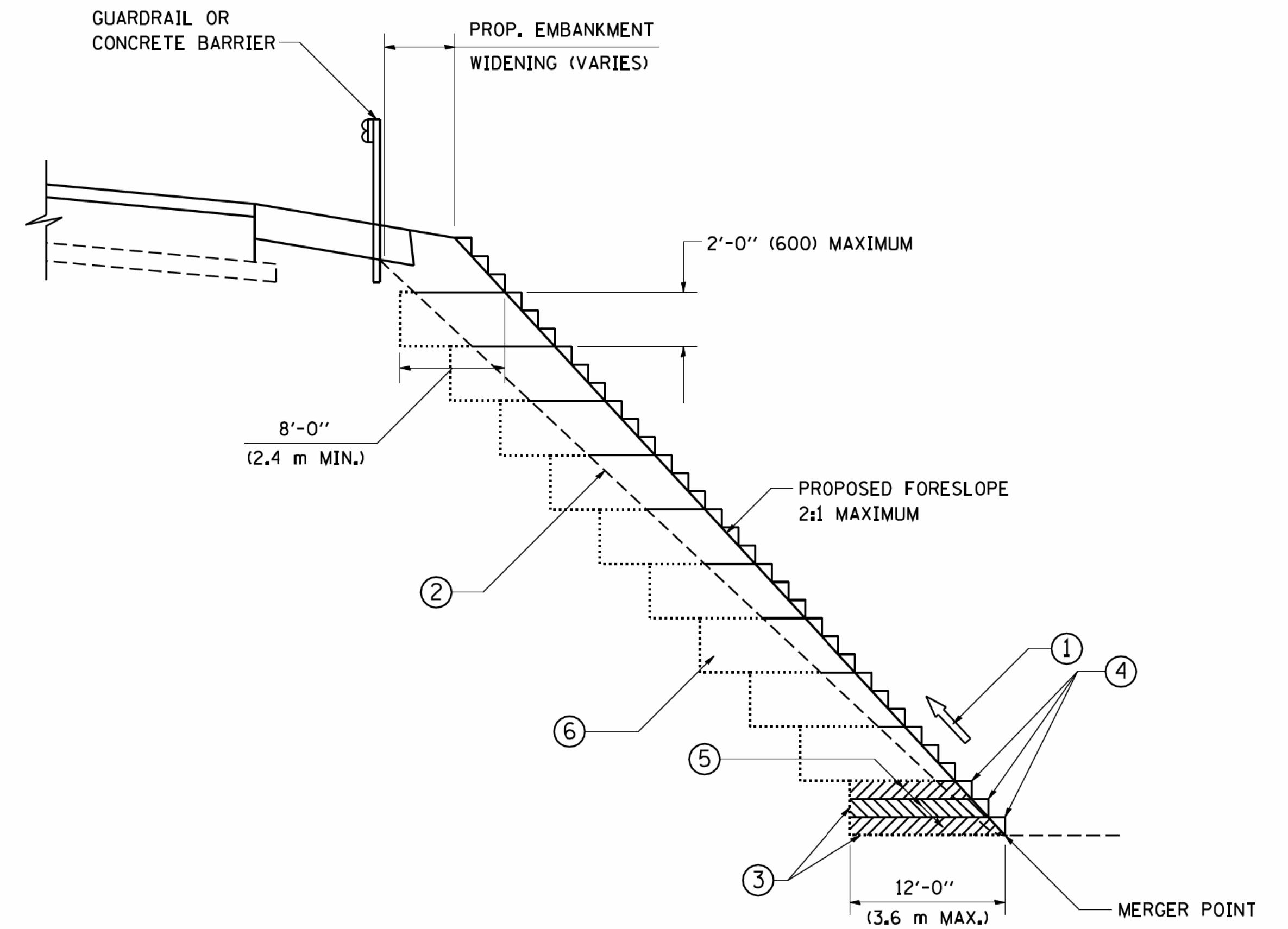
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	PLOT SCALE = 50.0000' / 1 IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	131
BD400-05 BD32		CONTRACT NO. 61C86		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
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		CHECKED - S.E.B.	REVISED -
		DATE - 06-16-04	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BENCHING DETAIL FOR EMBANKMENT WIDENING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	133
BD-51			CONTRACT NO. 61C86	
<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)</small>				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

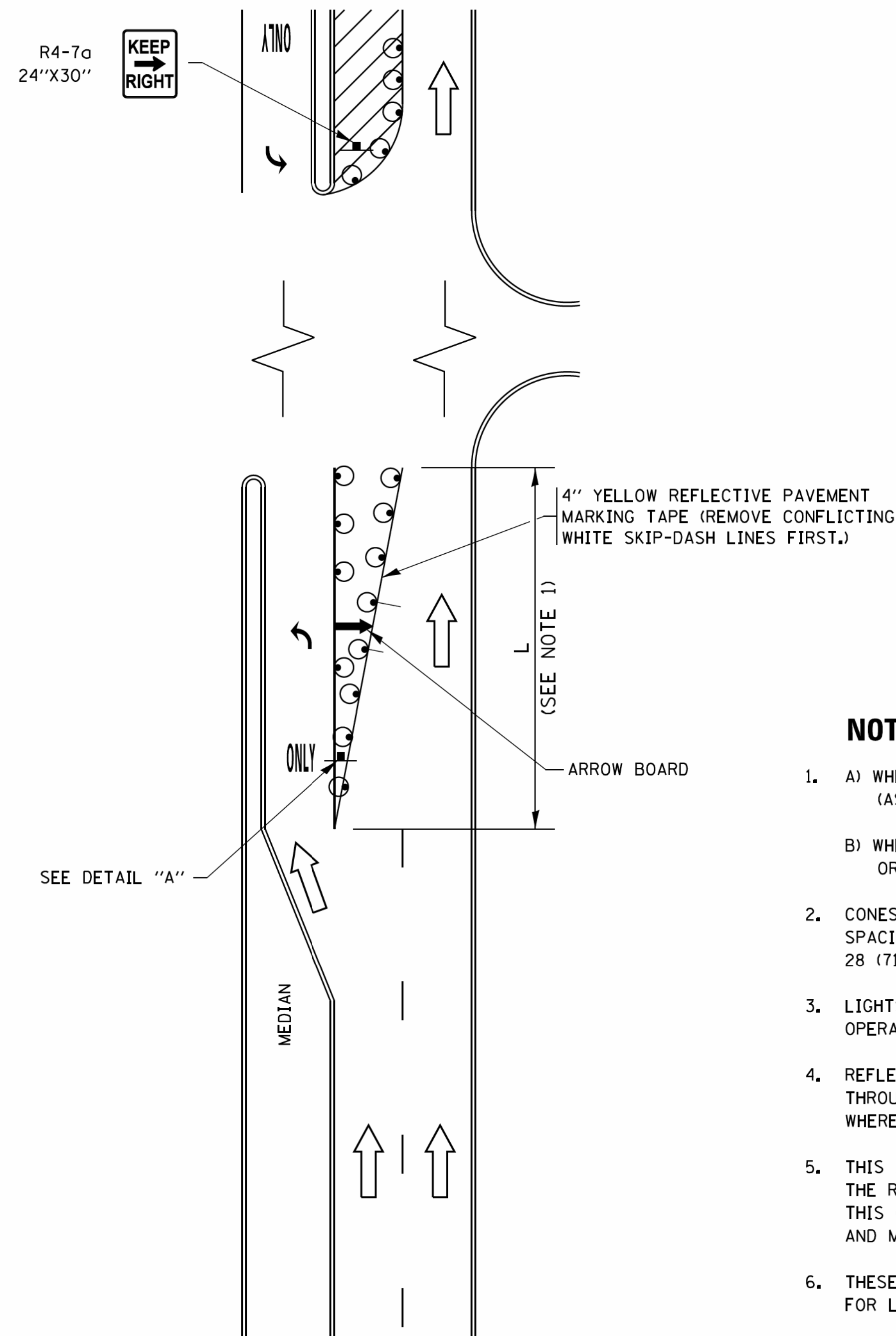


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

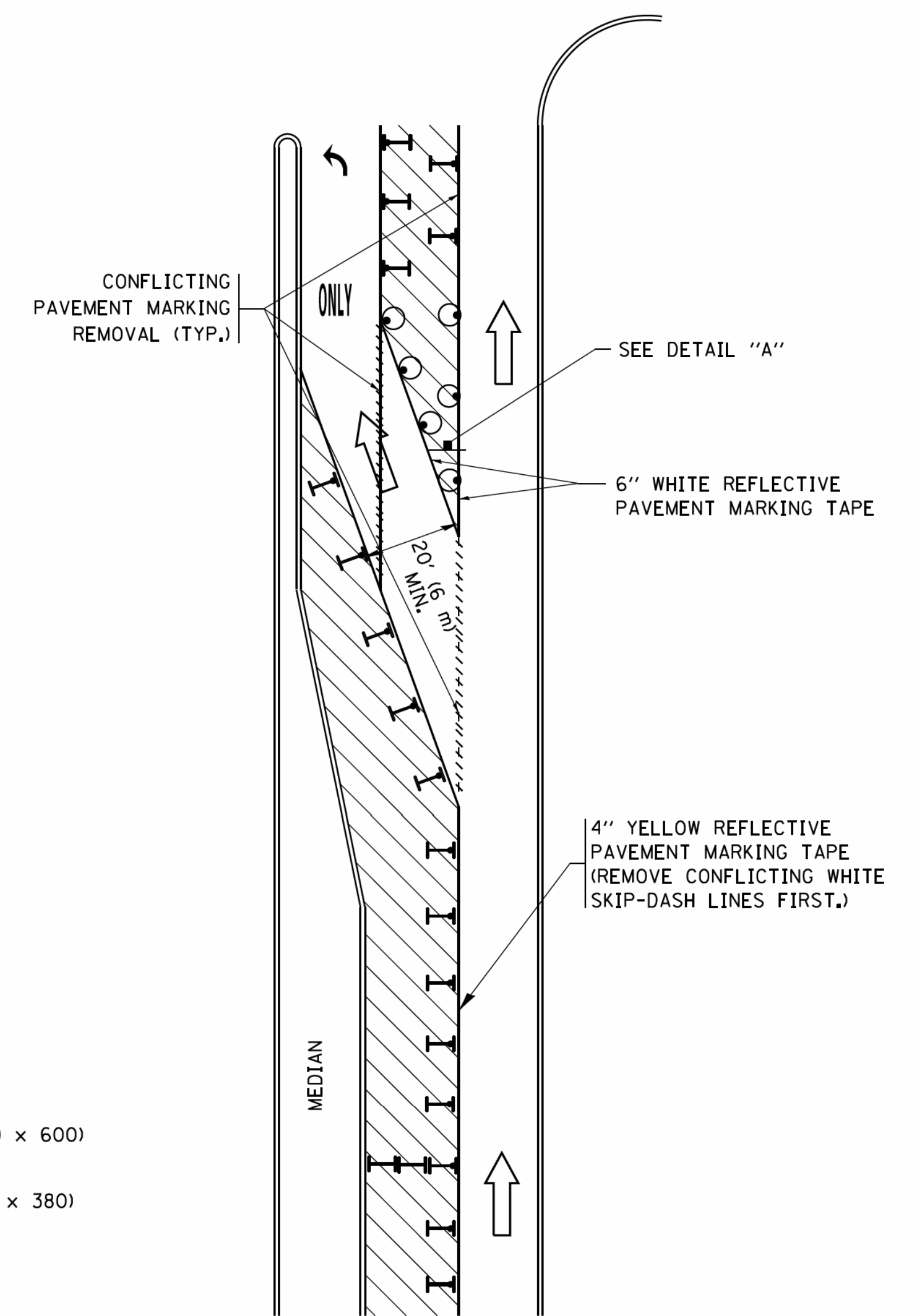


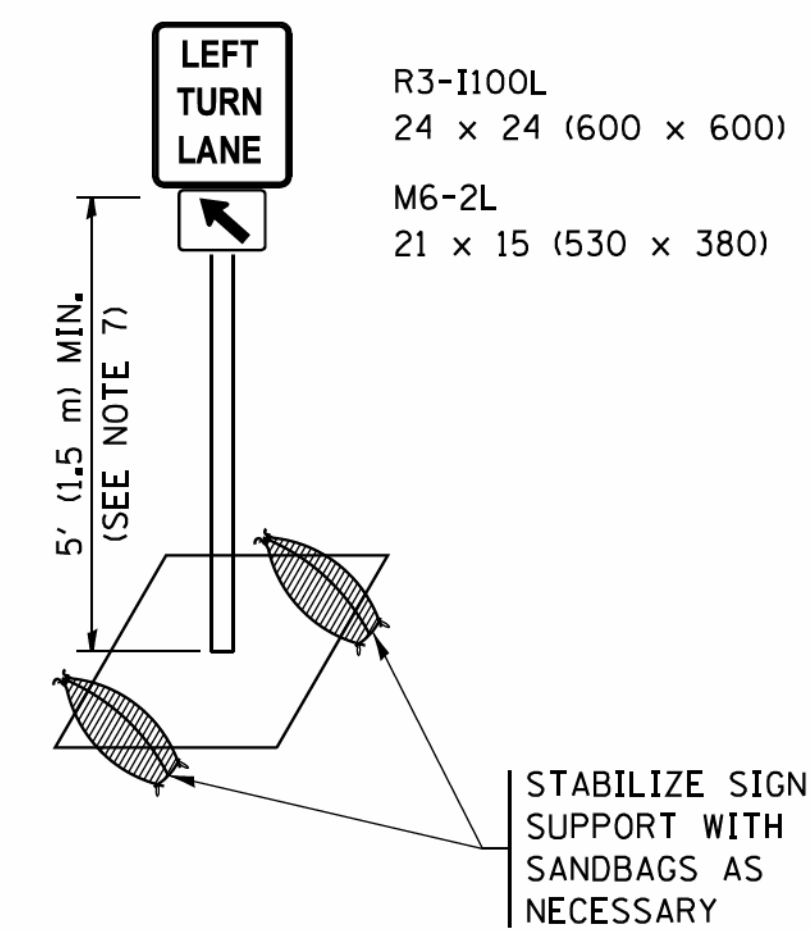
FIGURE 2

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. 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.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PRE REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

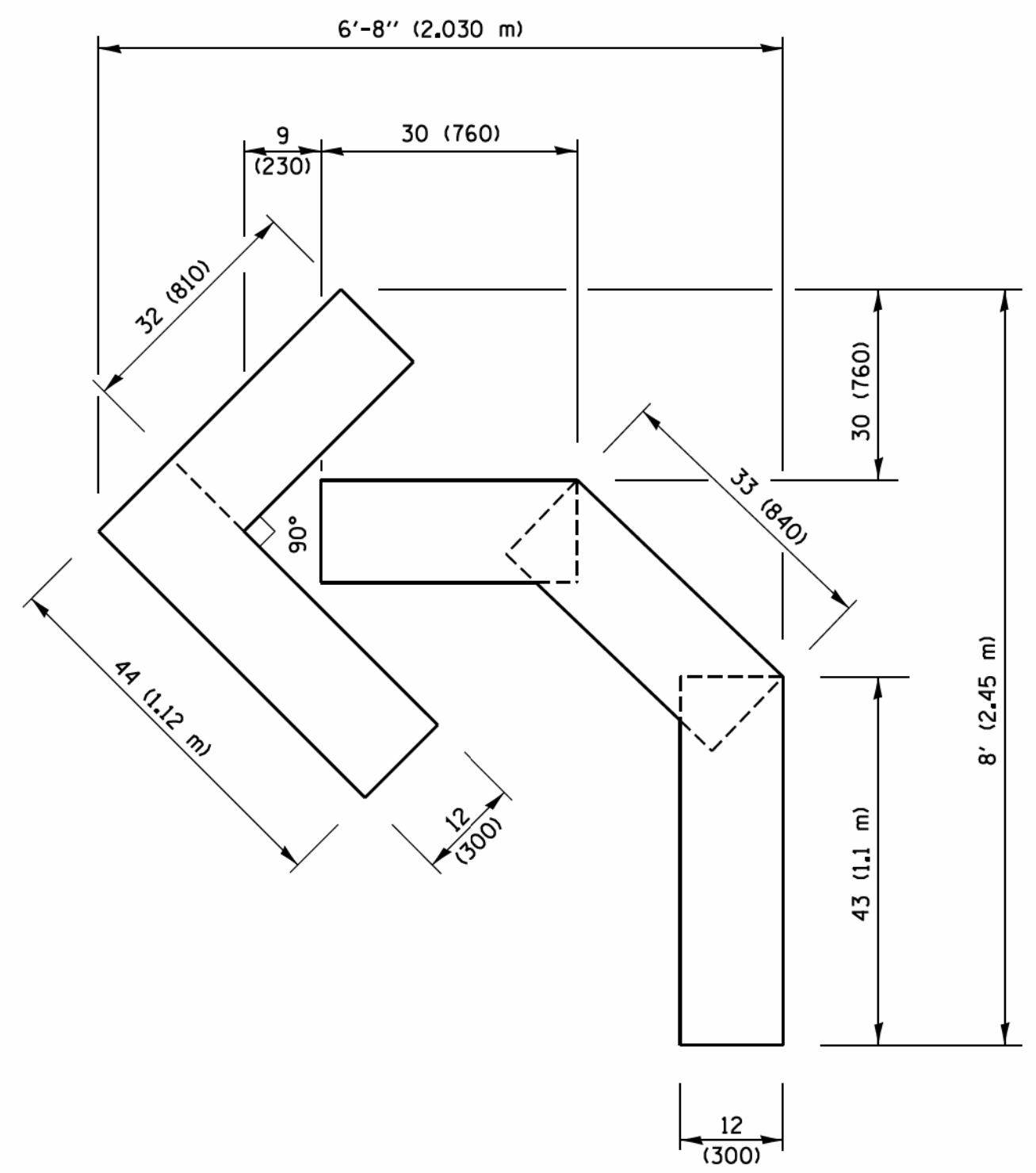


DETAIL A

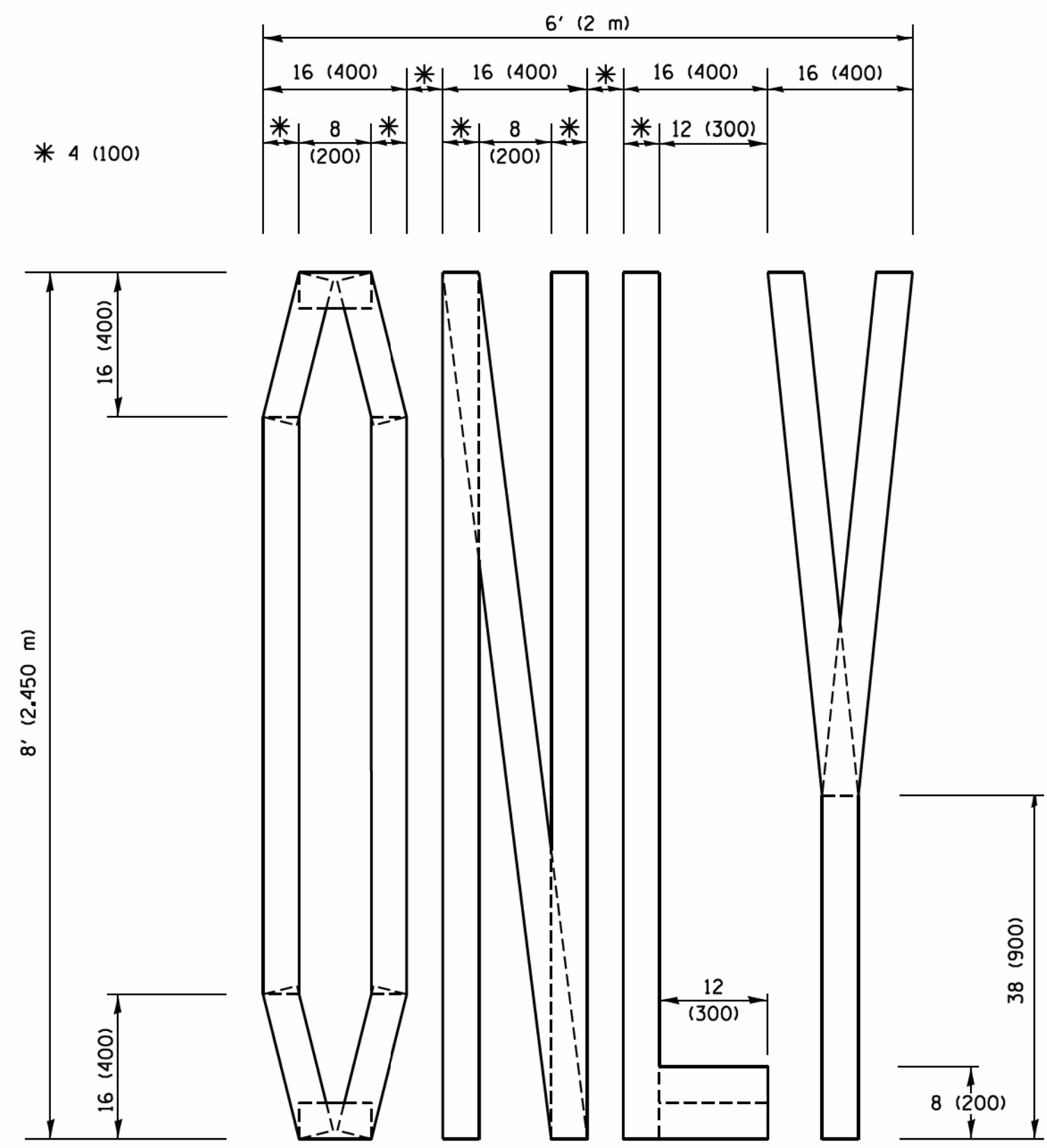
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 PROJECT: ILLINOIS STATE ROUTE 14
 LOCATION: ILLINOIS STATE ROUTE 14
 DATE: 03/15/2016

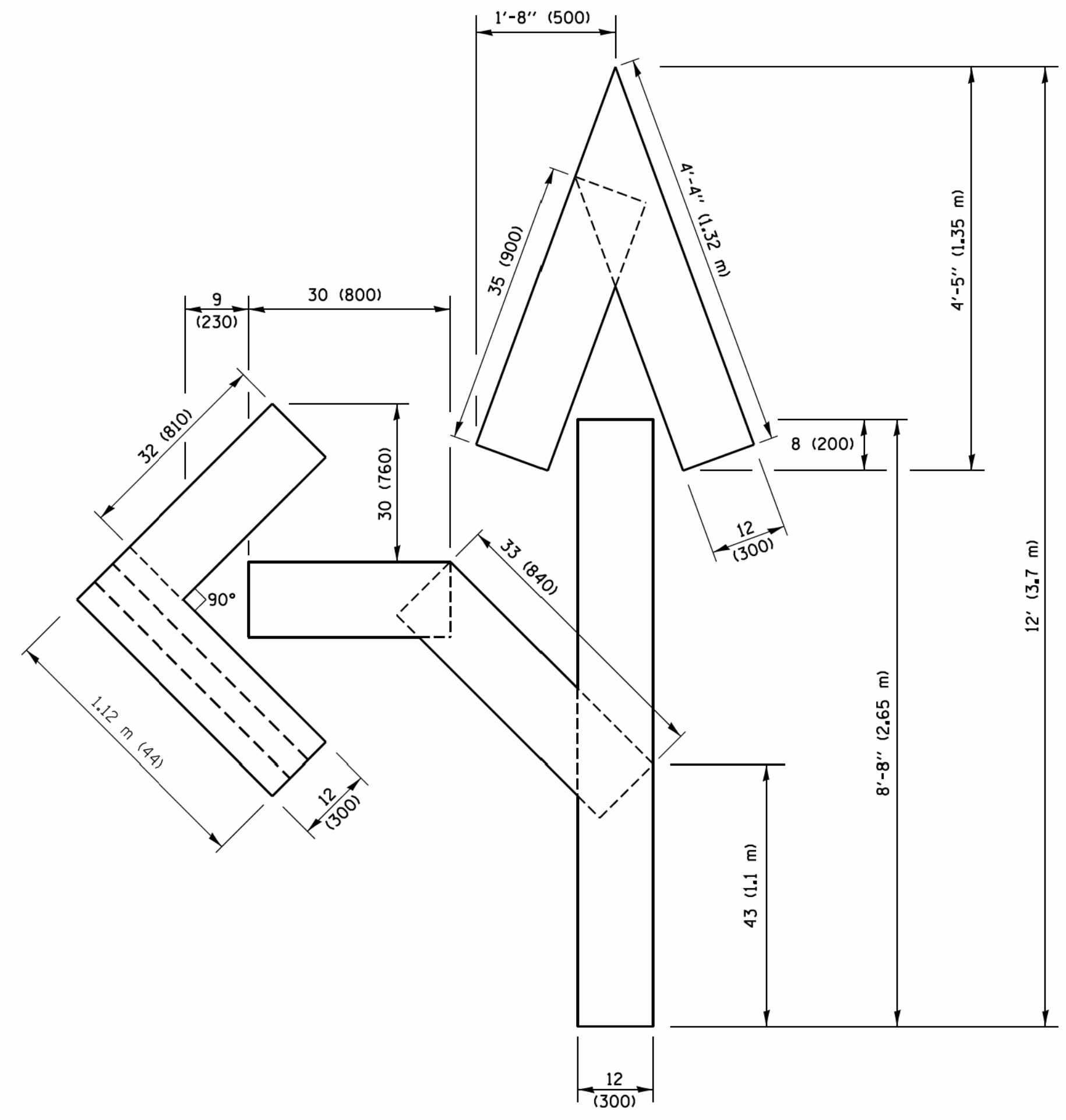
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pw\ll084EBID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\REVISED ADD to CA HOUSEH 10-07-95	REVISED - A. SCHUETZE 07-01-13	REVISED - A. HOUSEH 10-07-95	REVISED - A. SCHUETZE 09-15-16					1283	14-00057-00-WR	KANE	173	136
PLOT SCALE = 50.0000 / 1 in.	REVISED - T. RAMMACHER 01-06-00	REVISED -	REVISED -		TC-14		CONTRACT NO. 61C86					
Default	PLOT DATE = 9/15/2016				SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT M-4003(447)	



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

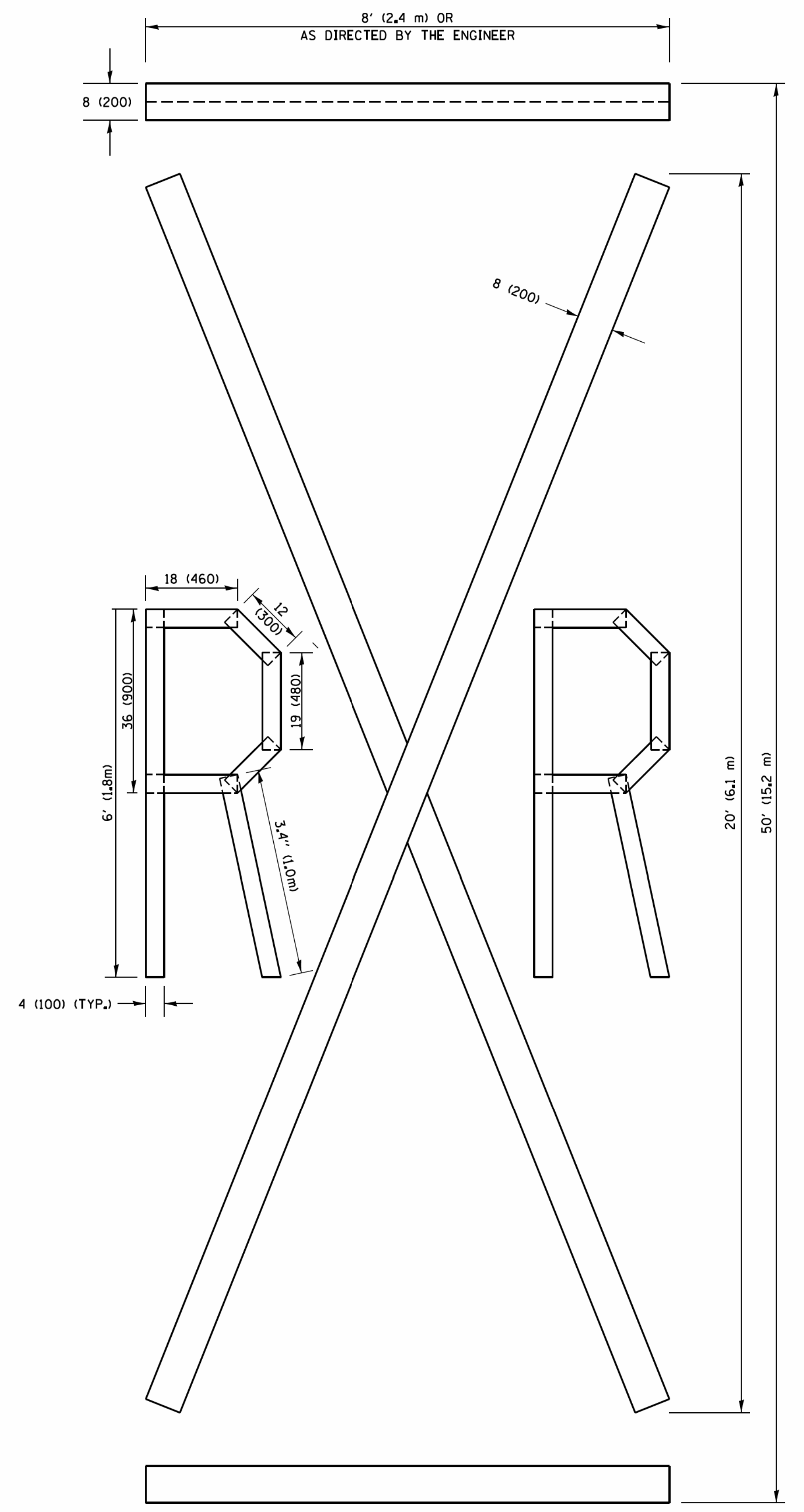


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

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

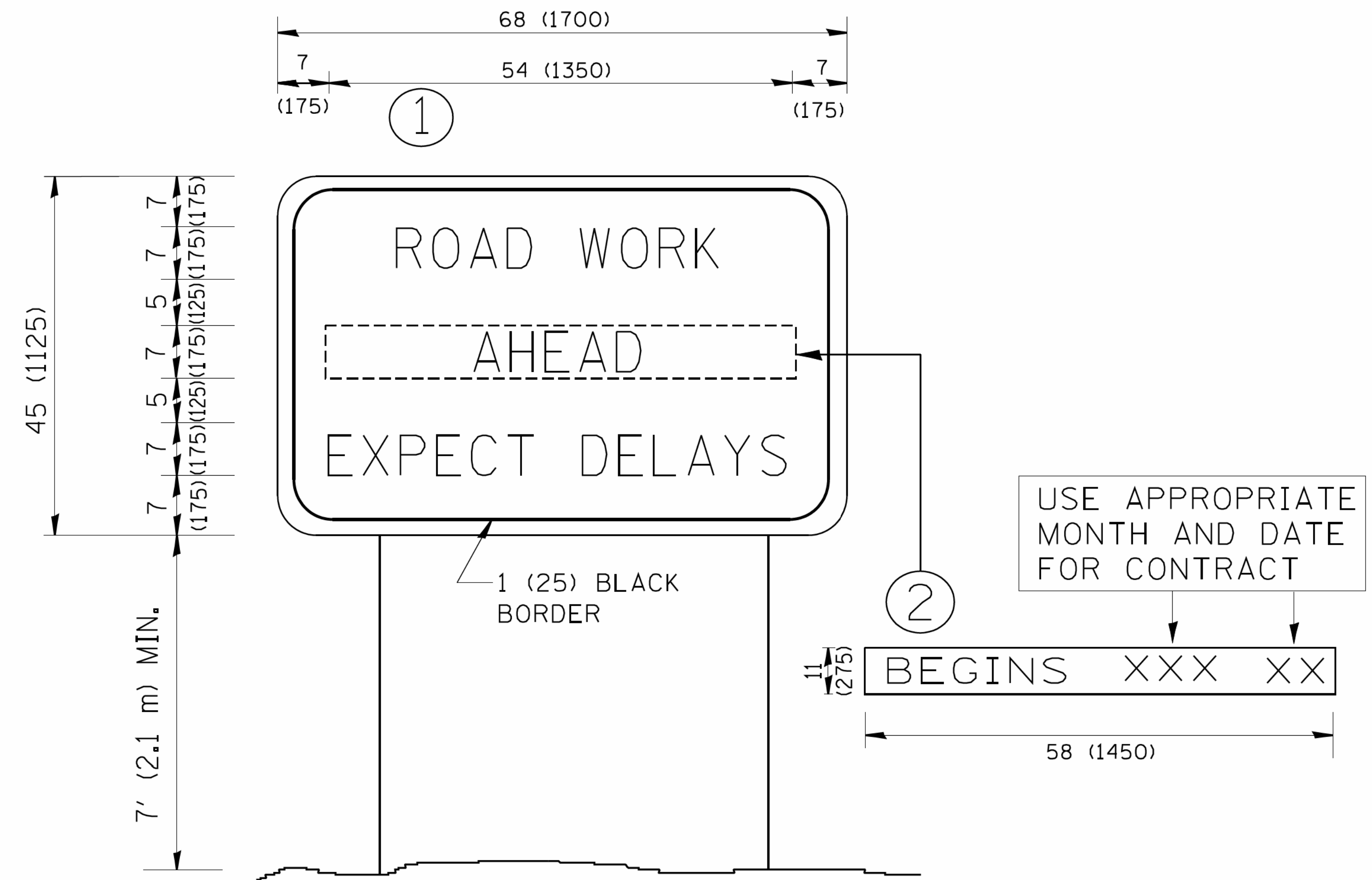
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 PROJECT: ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROJECT NO. 14-00057-00-WR
 SHEET NO. 137 OF 137
 DATE: 09/15/2016

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	PLOT DATE = 9/15/2016	DATE -	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	137
TC-16		CONTRACT NO. 61C86		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



NOTES:

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

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

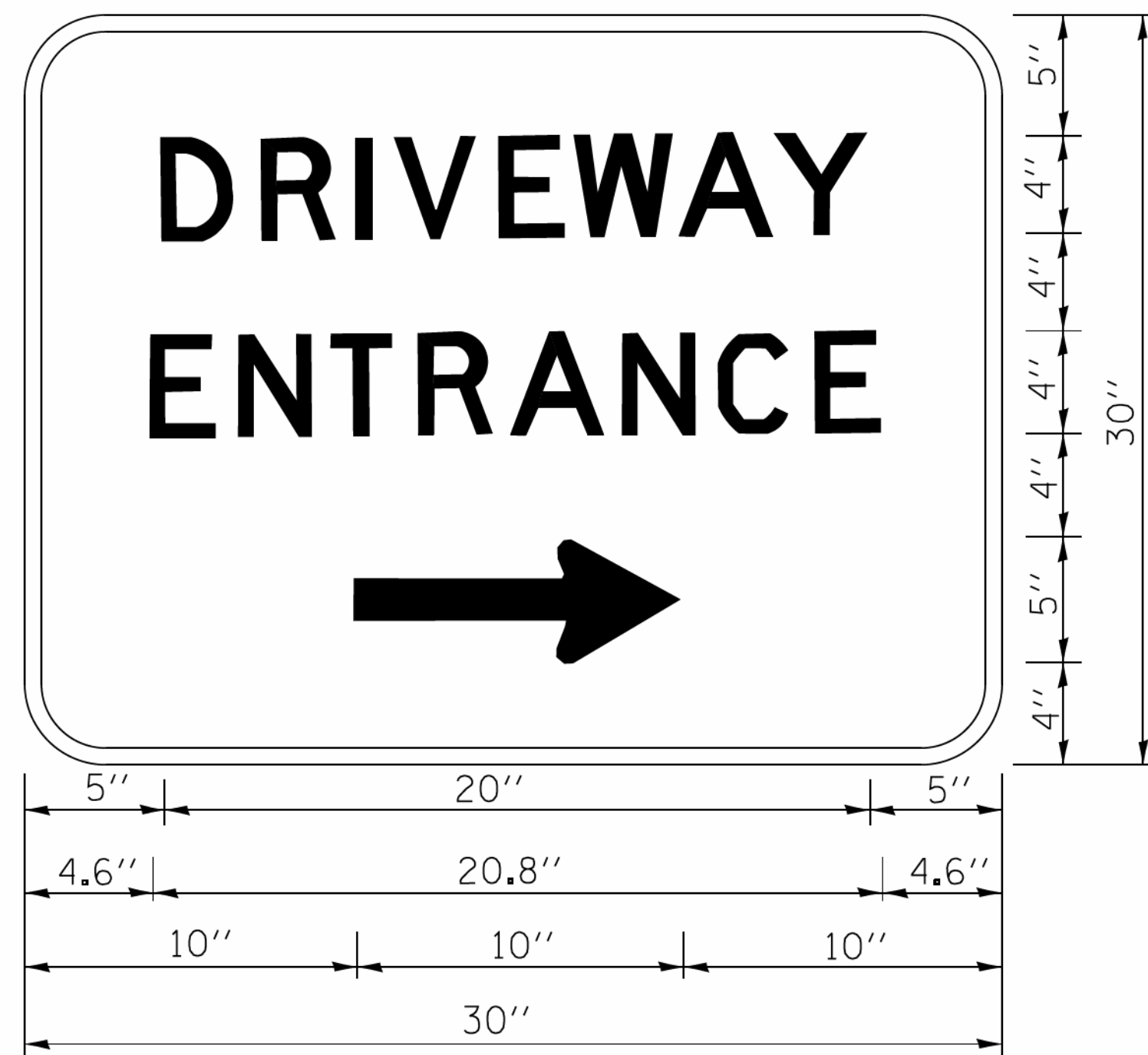
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PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	
PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ARTERIAL ROAD INFORMATION SIGN	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE. 1283	SECTION 14-00057-00-WR	COUNTY KANE	TOTAL SHEETS 173	SHEET NO. 138
TC-22		CONTRACT NO. 61C86		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



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

NOTES:

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

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 LICENSE NO. 1283-02/2017
 PROJECT: 14-00057-00-WR
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	139
TC-26		CONTRACT NO. 61C86		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				

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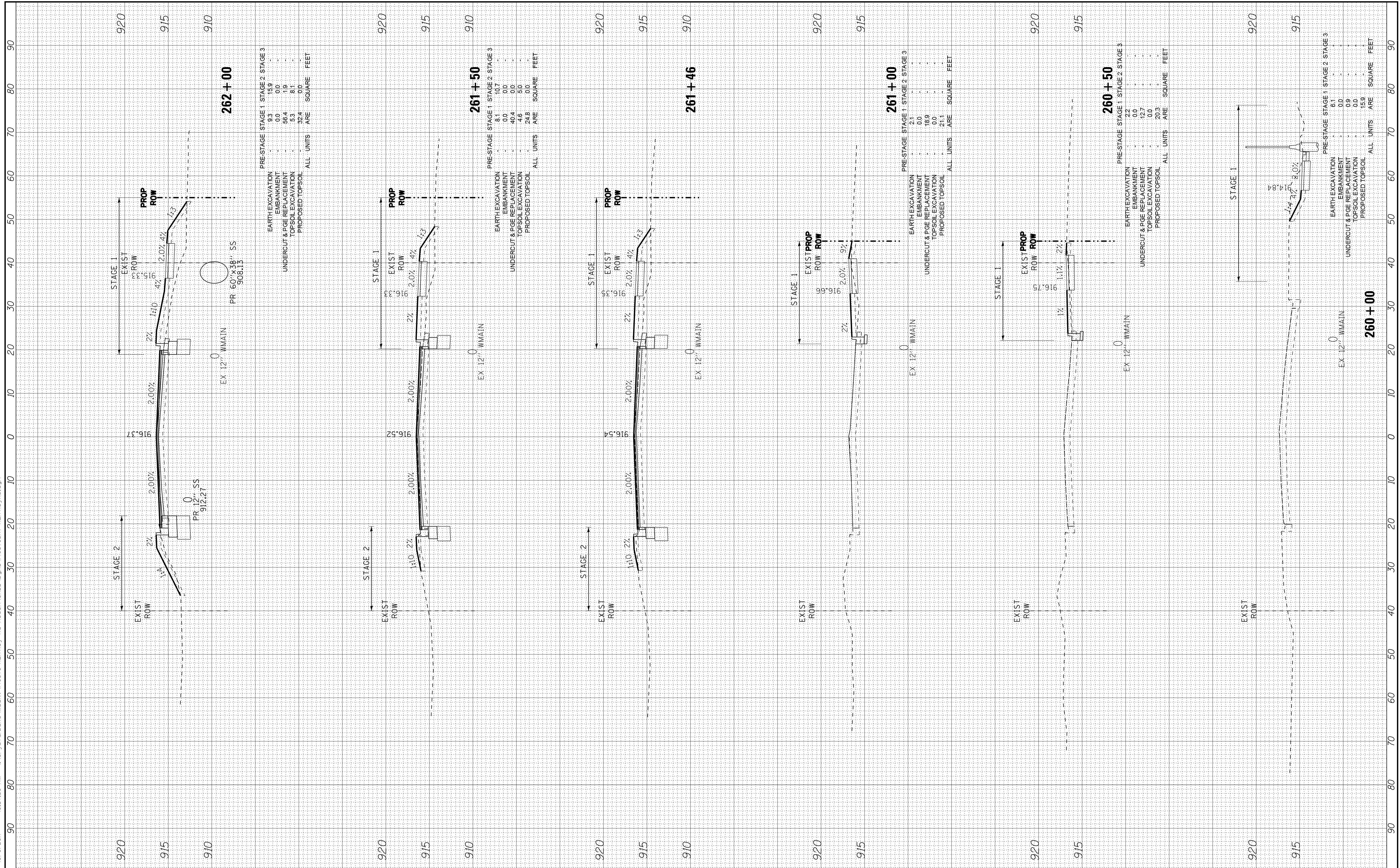
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

STA. 260+00 TO STA. 262+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	140
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



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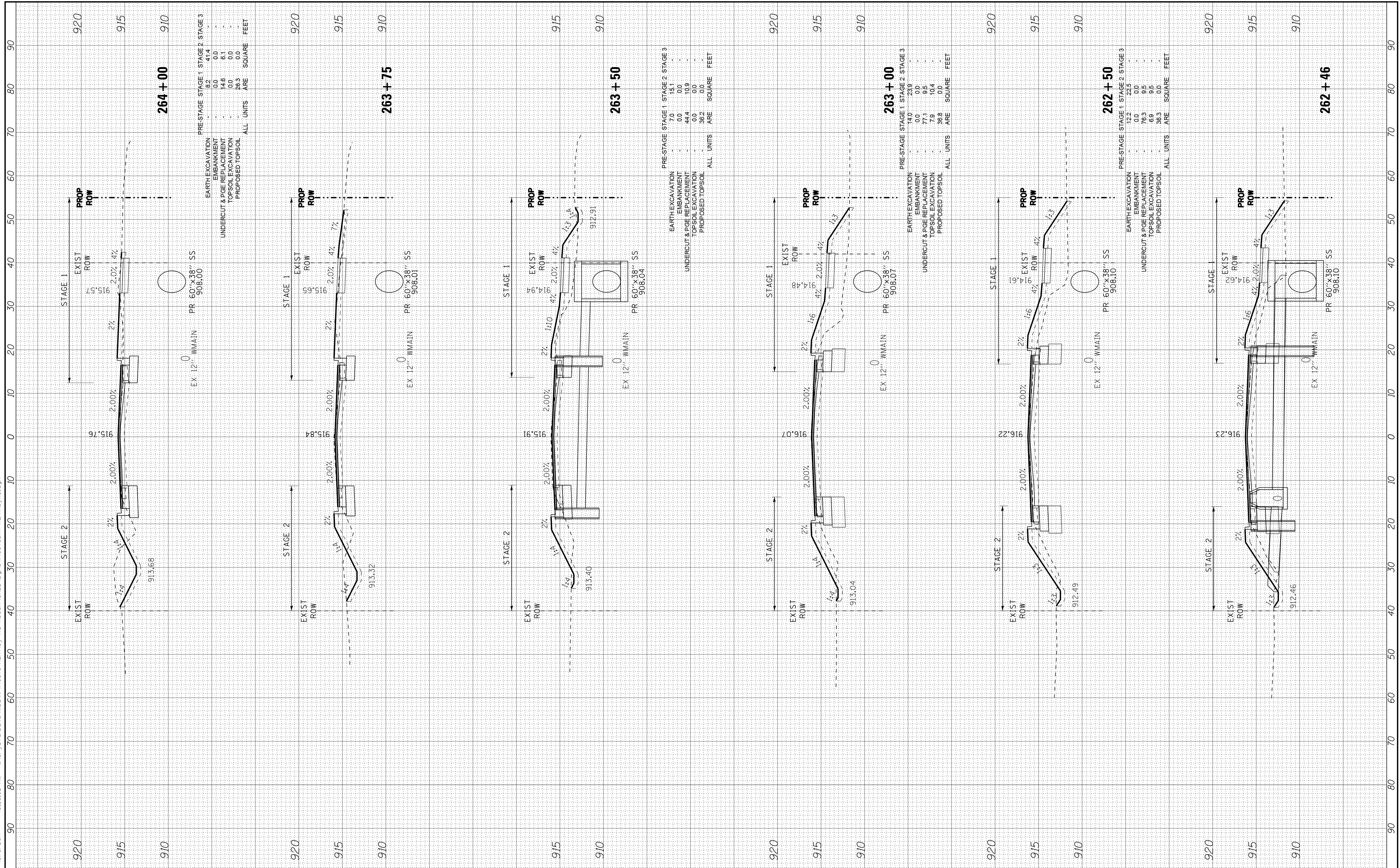
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

STA. 262+46 TO STA. 264+00

F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	141
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



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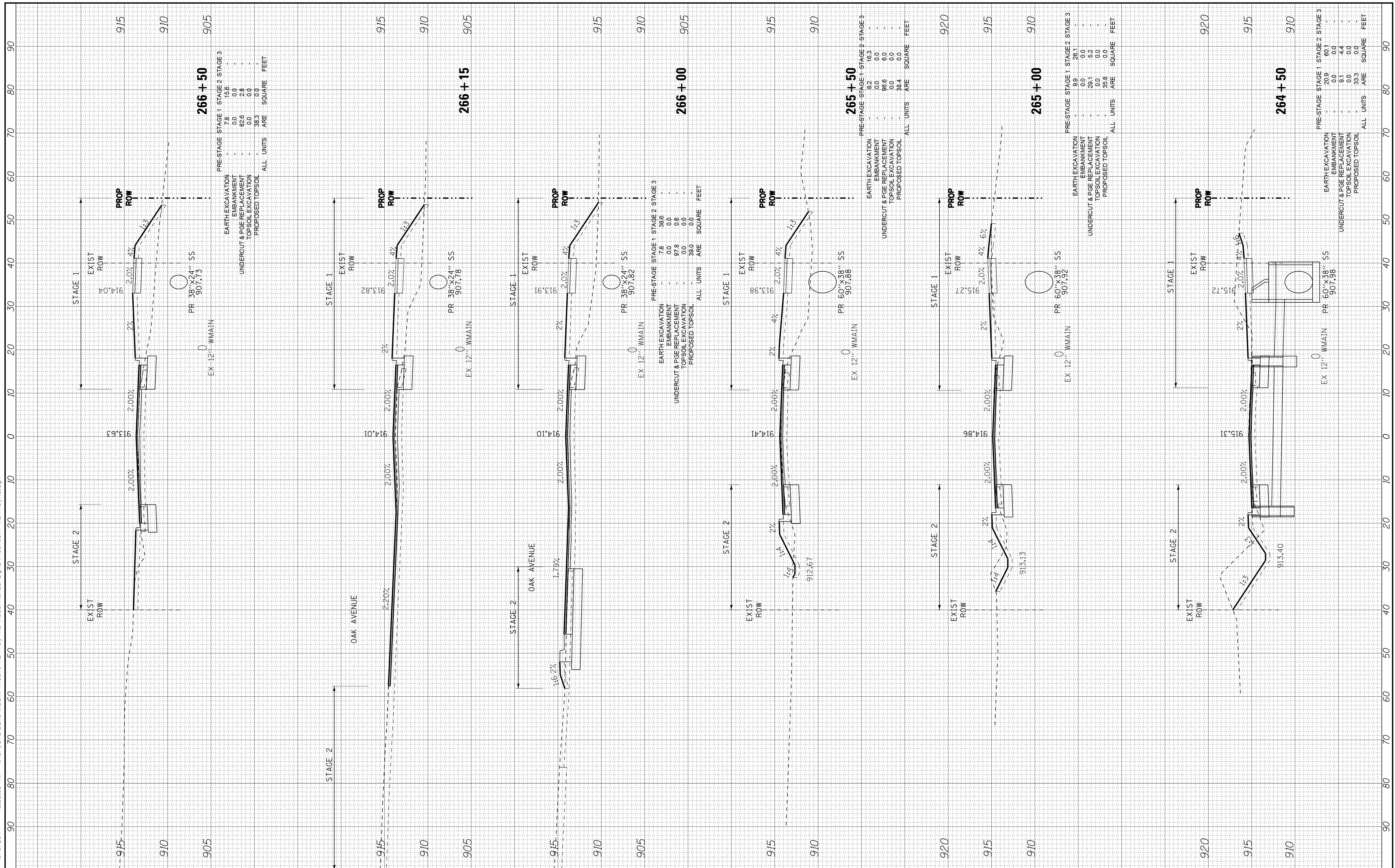
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

STA. 264+50 TO STA. 266+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	142
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)			CONTRACT NO. 61C86	



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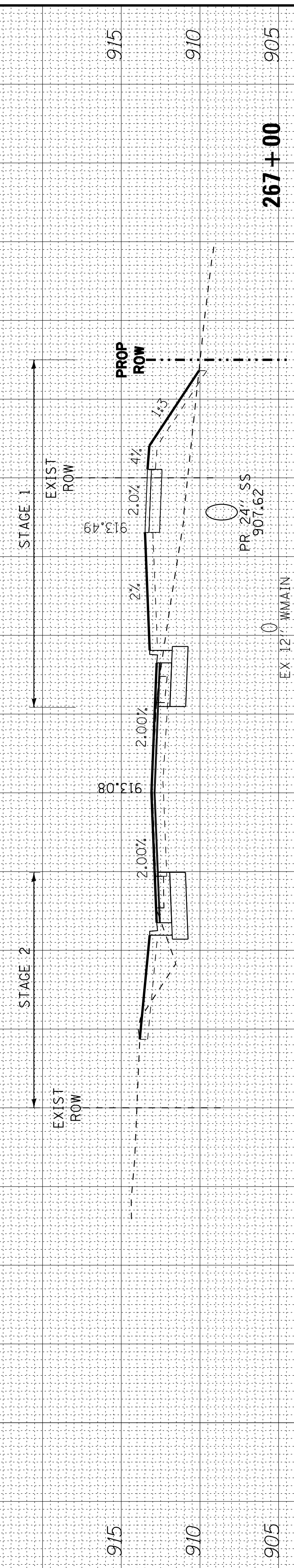
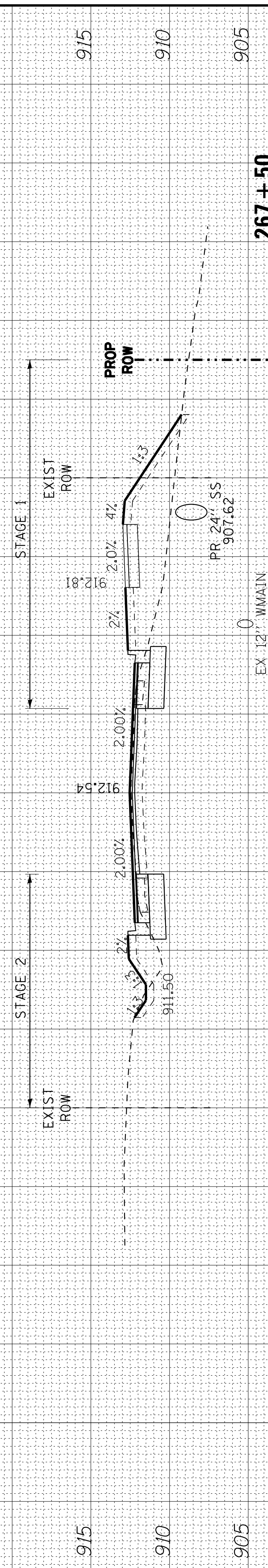
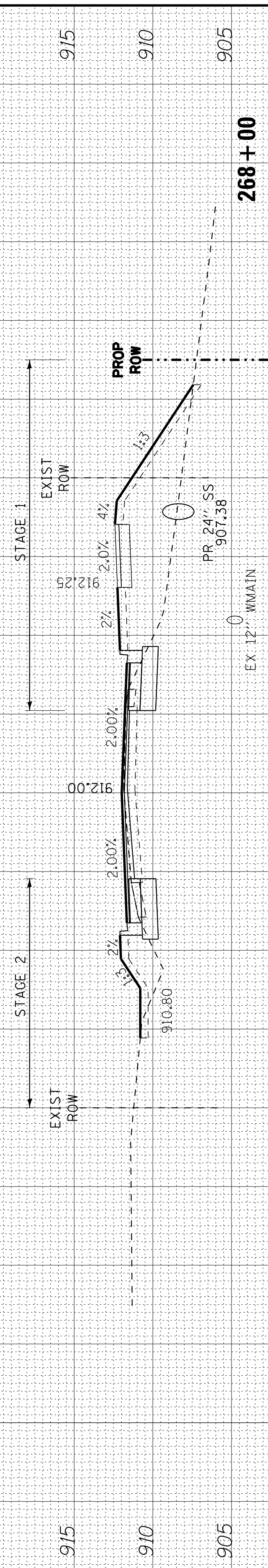
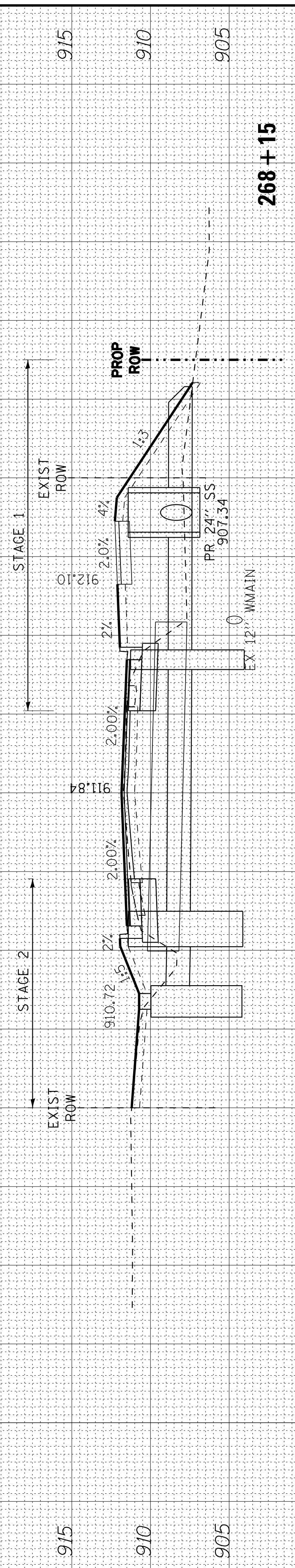
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

STA. 267+00 TO STA. 268+15

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	143
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)			CONTRACT NO. 61C86	



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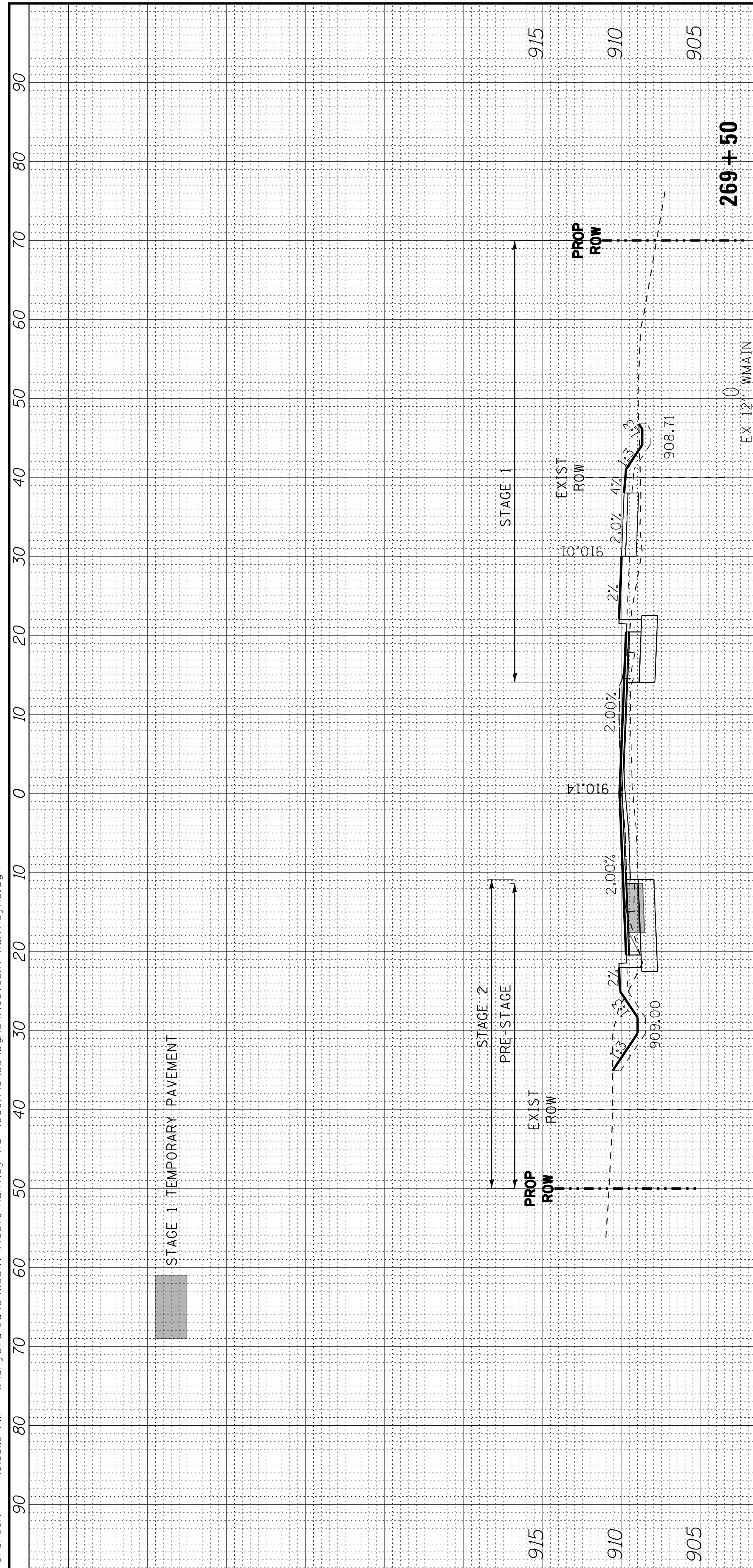
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

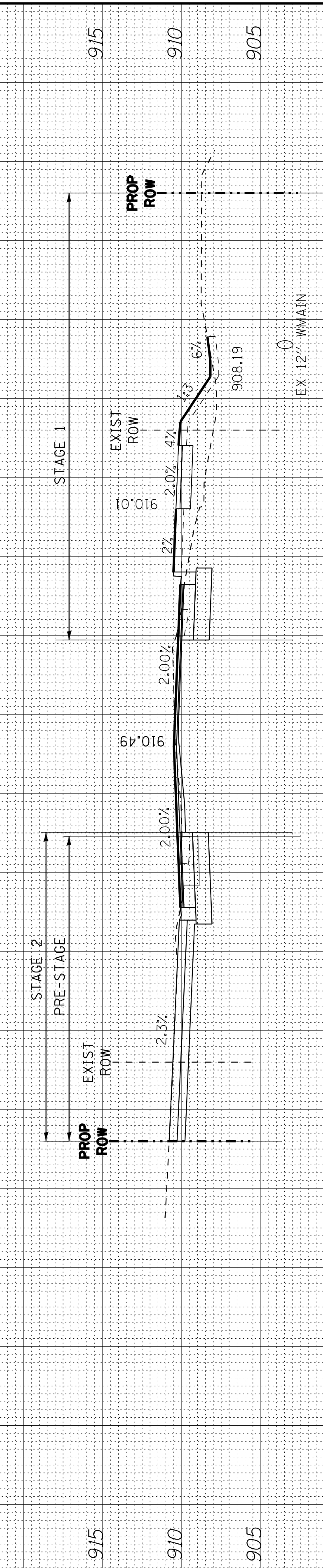
STA. 268+50 TO STA. 269+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)			CONTRACT NO. 61C86	



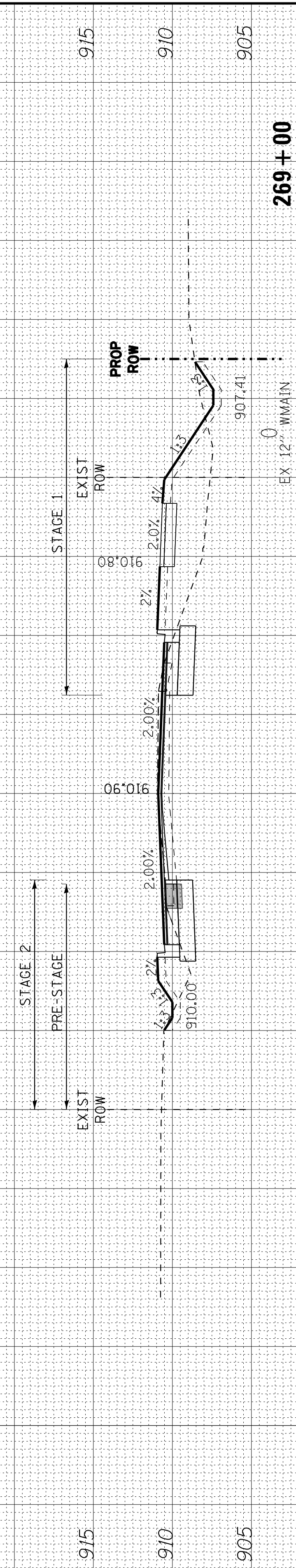
PRE-STAGE STAGE 1 STAGE 2 STAGE 3

EARTH EXCAVATION	EMBANKMENT	UNDERCUT & PGE REPLACEMENT	TOPSOIL EXCAVATION	PROPOSED TOPSOIL	ALL UNITS	SQUARE FEET
3.8	10.6	24.3	0.0	0.0	0.0	0.0
0.0	0.0	22.8	29.5	1.3	0.0	0.0
0.0	0.0	0.0	0.0	0.0	24.8	29.1



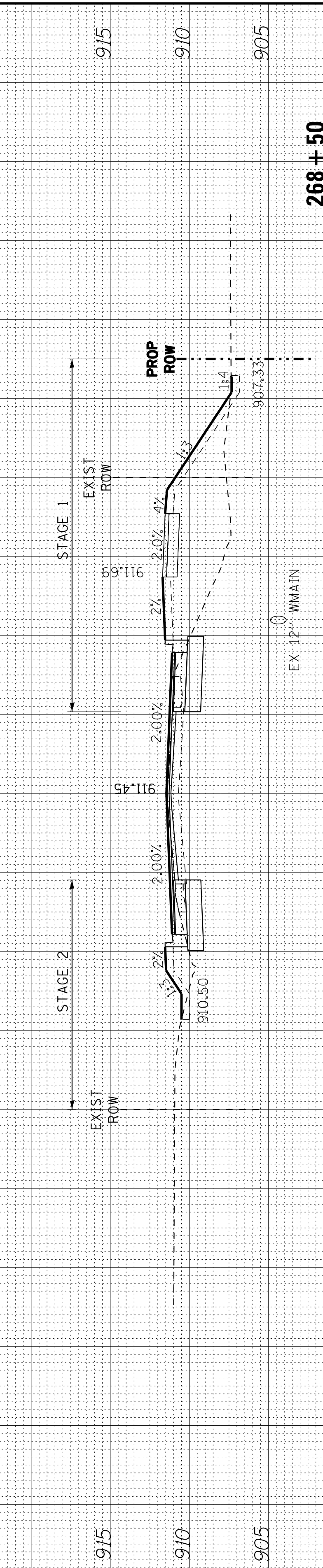
PRE-STAGE STAGE 1 STAGE 2 STAGE 3

EARTH EXCAVATION	EMBANKMENT	UNDERCUT & PGE REPLACEMENT	TOPSOIL EXCAVATION	PROPOSED TOPSOIL	ALL UNITS	SQUARE FEET
2.8	11.2	12.0	0.0	0.0	0.0	0.0
0.0	0.0	89.4	24.3	0.0	0.0	0.0
0.0	0.0	0.0	24.6	39.4	0.0	0.0



PRE-STAGE STAGE 1 STAGE 2 STAGE 3

EARTH EXCAVATION	EMBANKMENT	UNDERCUT & PGE REPLACEMENT	TOPSOIL EXCAVATION	PROPOSED TOPSOIL	ALL UNITS	SQUARE FEET
2.8	11.2	12.0	0.0	0.0	0.0	0.0
0.0	0.0	89.4	24.3	0.0	0.0	0.0
0.0	0.0	0.0	24.6	39.4	0.0	0.0



PRE-STAGE STAGE 1 STAGE 2 STAGE 3

EARTH EXCAVATION	EMBANKMENT	UNDERCUT & PGE REPLACEMENT	TOPSOIL EXCAVATION	PROPOSED TOPSOIL	ALL UNITS	SQUARE FEET
8.9	12.9	0.0	0.0	0.0	0.0	0.0
0.0	0.0	98.6	5.2	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	38.7	0.0

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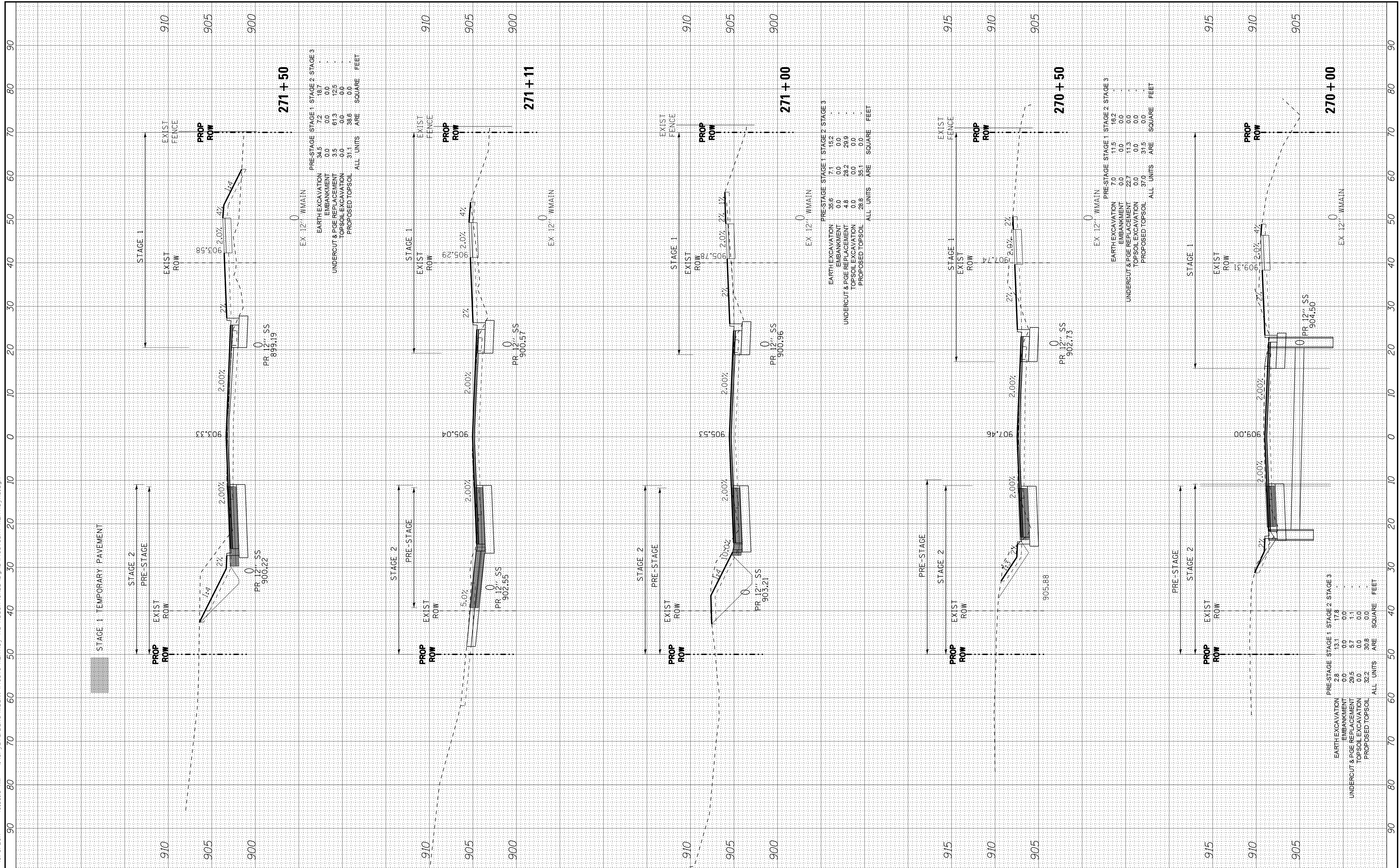
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 HUNTLEY ROAD**

SCALE: H: 1"=10' V: 1"=5'

STA. 270+00 TO STA. 271+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	145
CONTRACT NO.61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



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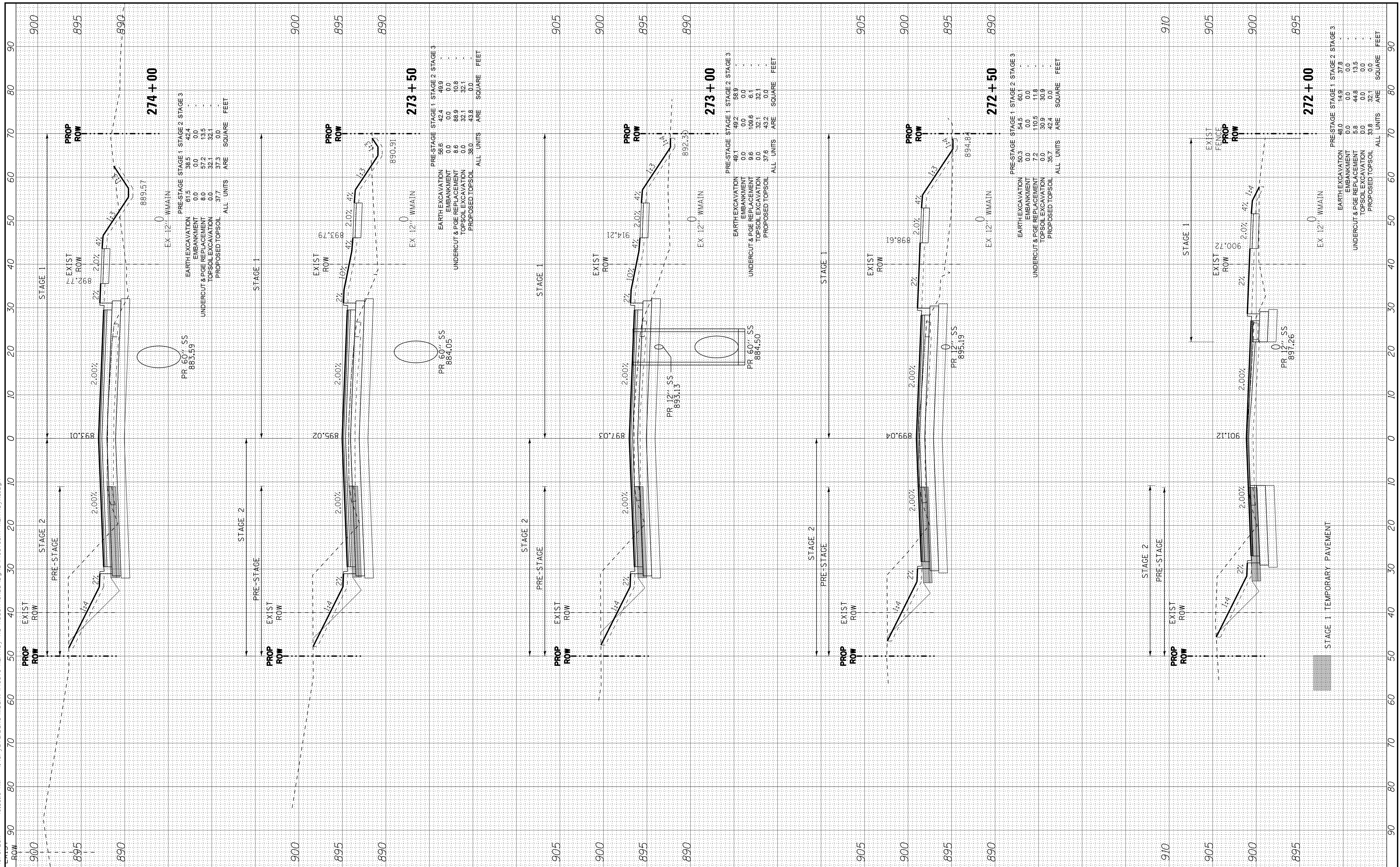
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

STA. 272+00 TO STA. 274+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	146
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



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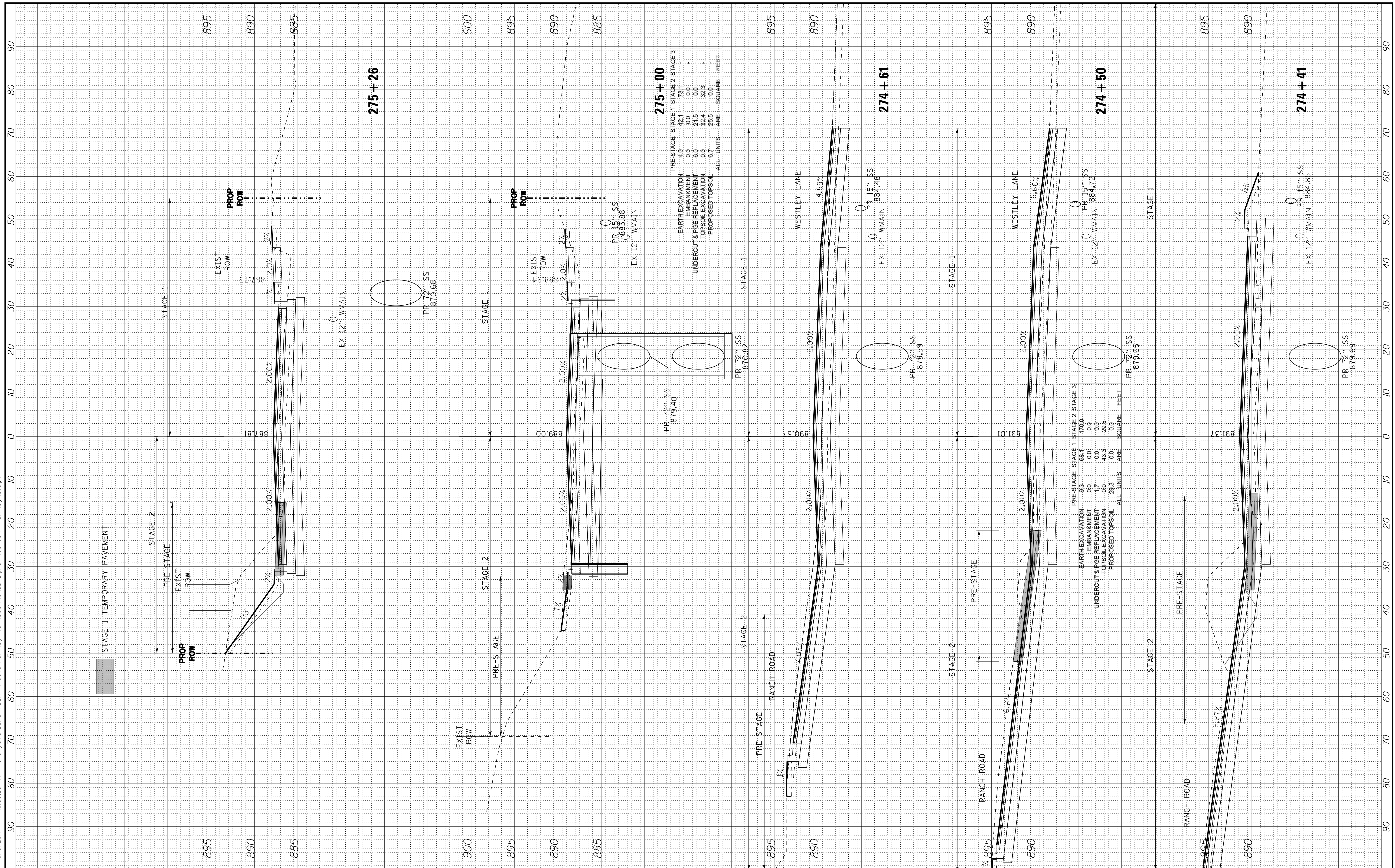
CROSS SECTIONS
HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

STA. 274+41

TO STA. 275+26

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	147
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



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DEPARTMENT OF TRANSPORTATION

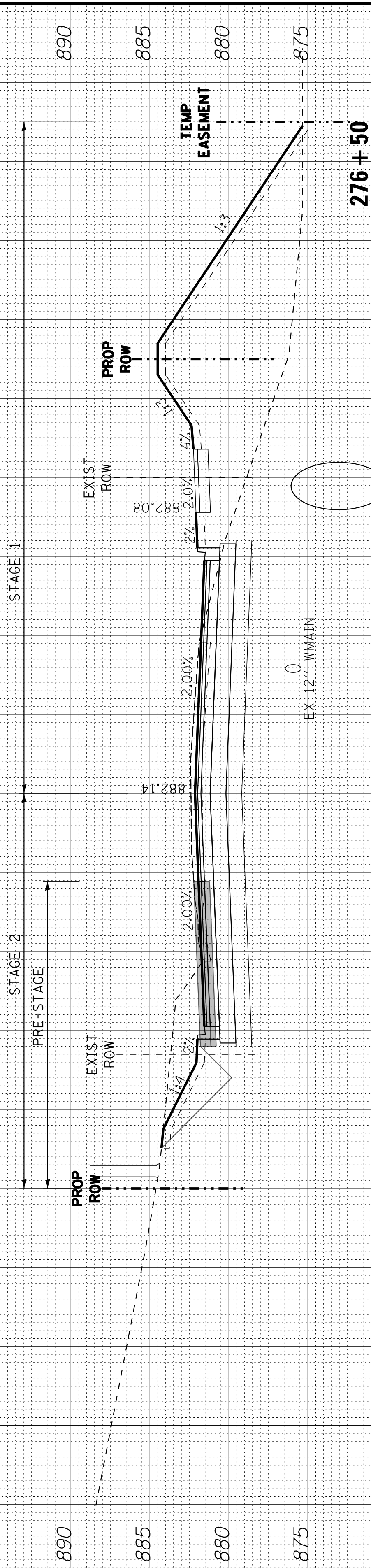
CROSS SECTIONS
HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

STA. 275+50 TO STA. 276+50

F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	148
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				

STAGE 1 TEMPORARY PAVEMENT

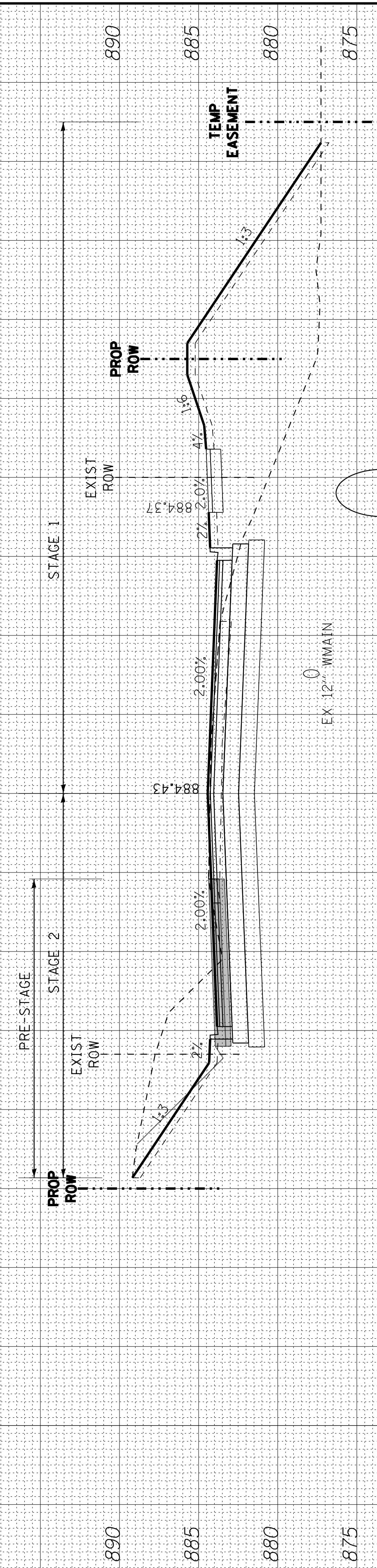


276 + 50

PRESTAGE	STAGE 1	STAGE 2	STAGE 3
EARTH EXCAVATION	87.8	88.8	76.4
EMBANKMENT	1.0	282.7	13.9
UNDERCUT & PGE REPLACEMENT	0.0	32.1	0.0
TOPSOIL EXCAVATION	24.9	66.4	0.0
PROPOSED TOPSOIL	0.0	0.0	0.0
ALL UNITS	ARE	SQUARE	FEET

PR 72" SS 870.06

EX 12" W/MAIN

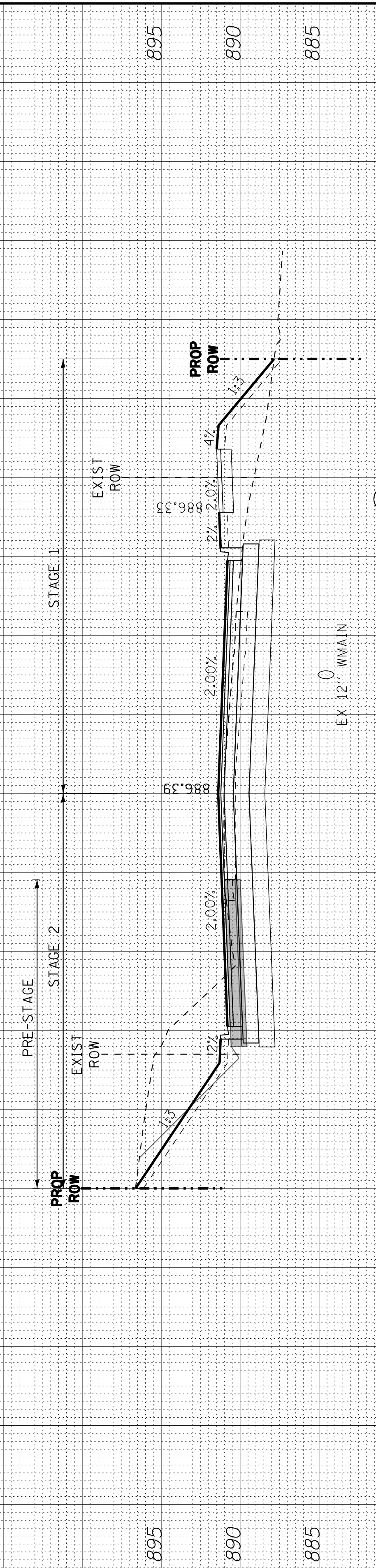


276 + 00

PRE-STAGE	STAGE 1	STAGE 2	STAGE 3
EARTH EXCAVATION	40.1	55.4	81.2
EMBANKMENT	0.0	0.0	0.0
UNDERCUT & PGE REPLACEMENT	9.8	256.8	1.1
TOPSOIL EXCAVATION	0.0	32.1	0.0
PROPOSED TOPSOIL	38.4	60.6	0.0
ALL UNITS	ARE	SQUARE	FEET

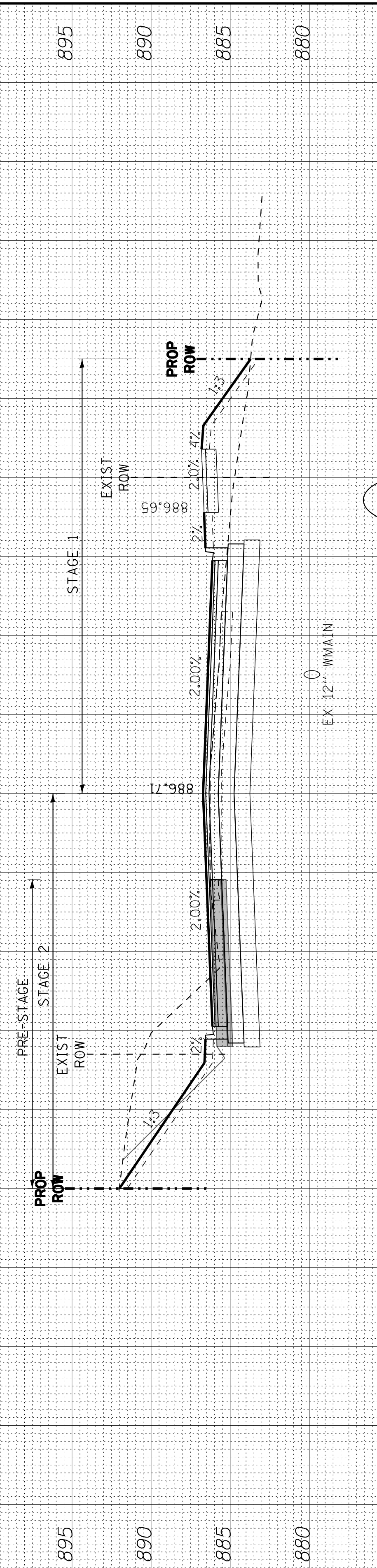
PR 72" SS 870.31

EX 12" W/MAIN



PR 72" SS 870.34

EX 12" W/MAIN



PR 72" SS 870.58

EX 12" W/MAIN

275 + 50

PRE-STAGE	STAGE 1	STAGE 2	STAGE 3
EARTH EXCAVATION	81.2	49.3	67.5
EMBANKMENT	0.0	0.0	0.0
UNDERCUT & PGE REPLACEMENT	7.3	44.4	2.9
TOPSOIL EXCAVATION	0.0	32.1	32.1
PROPOSED TOPSOIL	41.0	27.2	0.0
ALL UNITS	ARE	SQUARE	FEET

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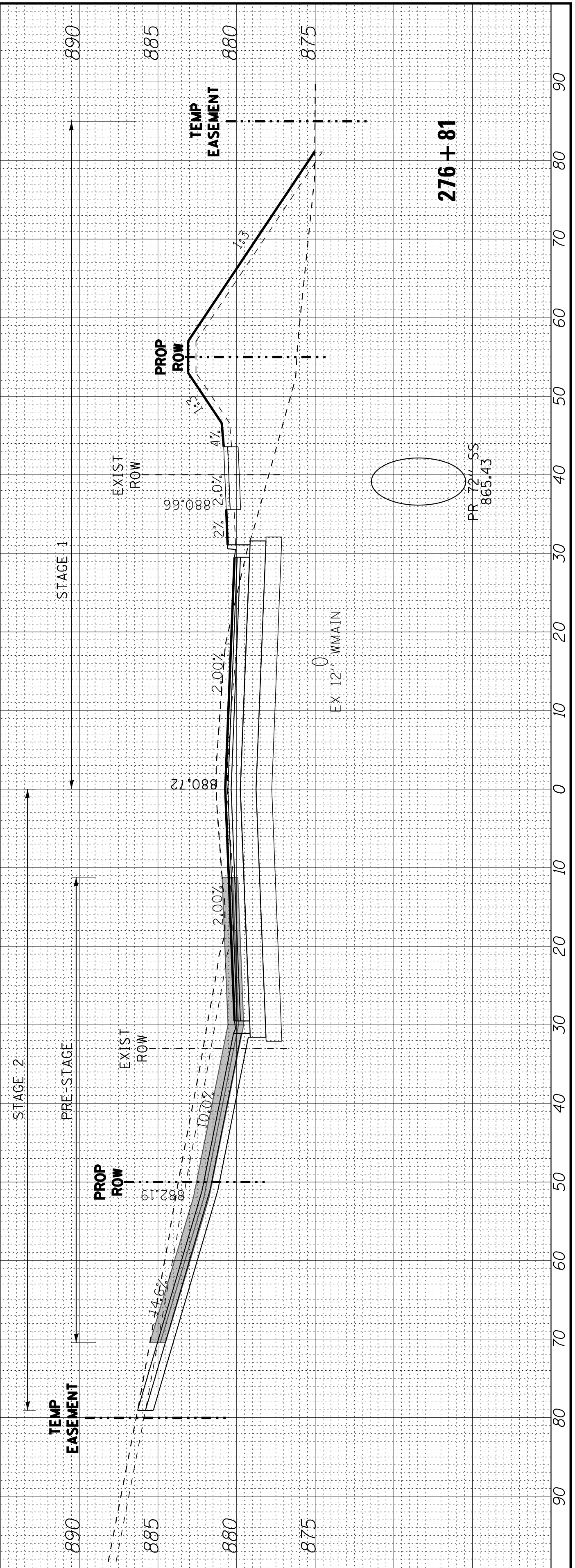
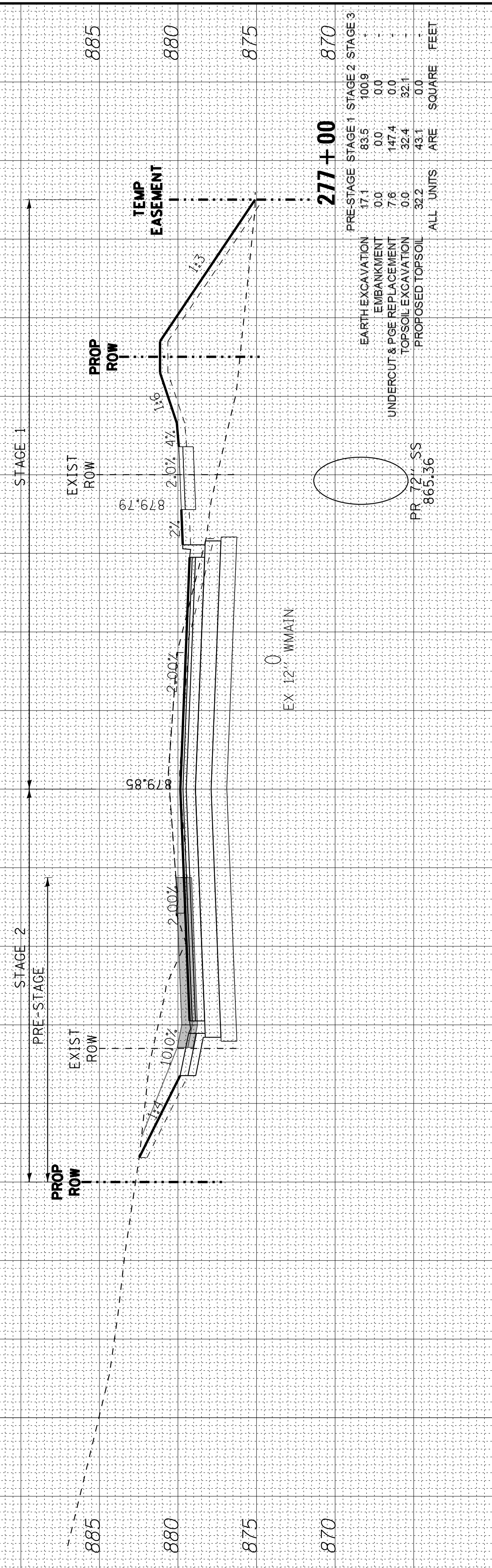
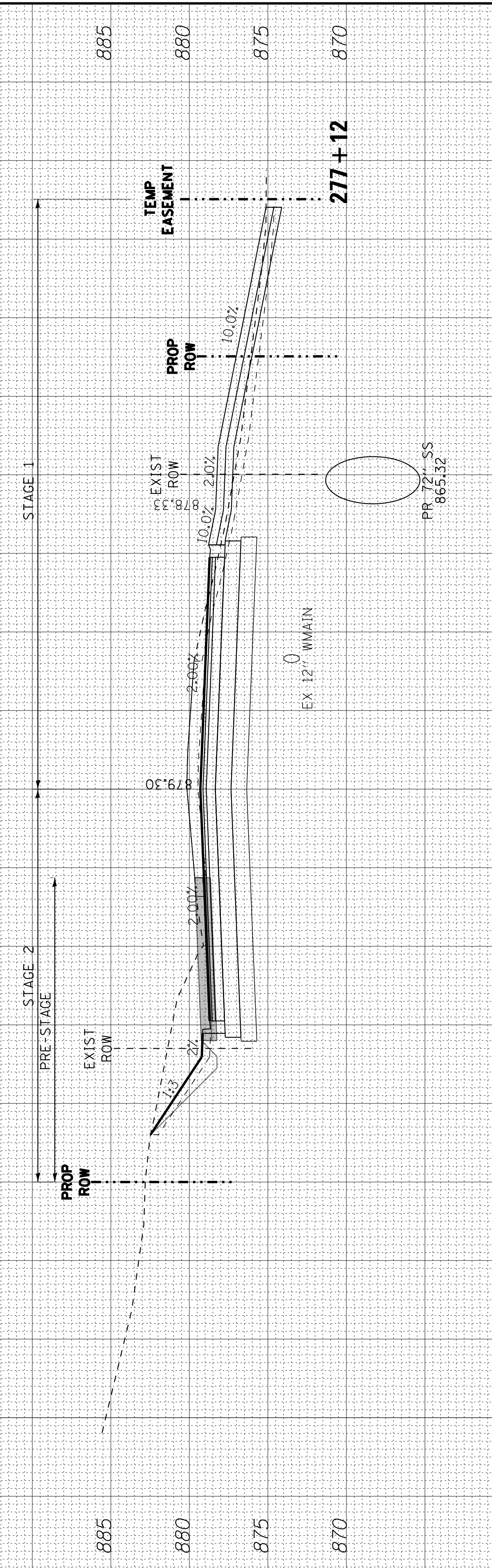
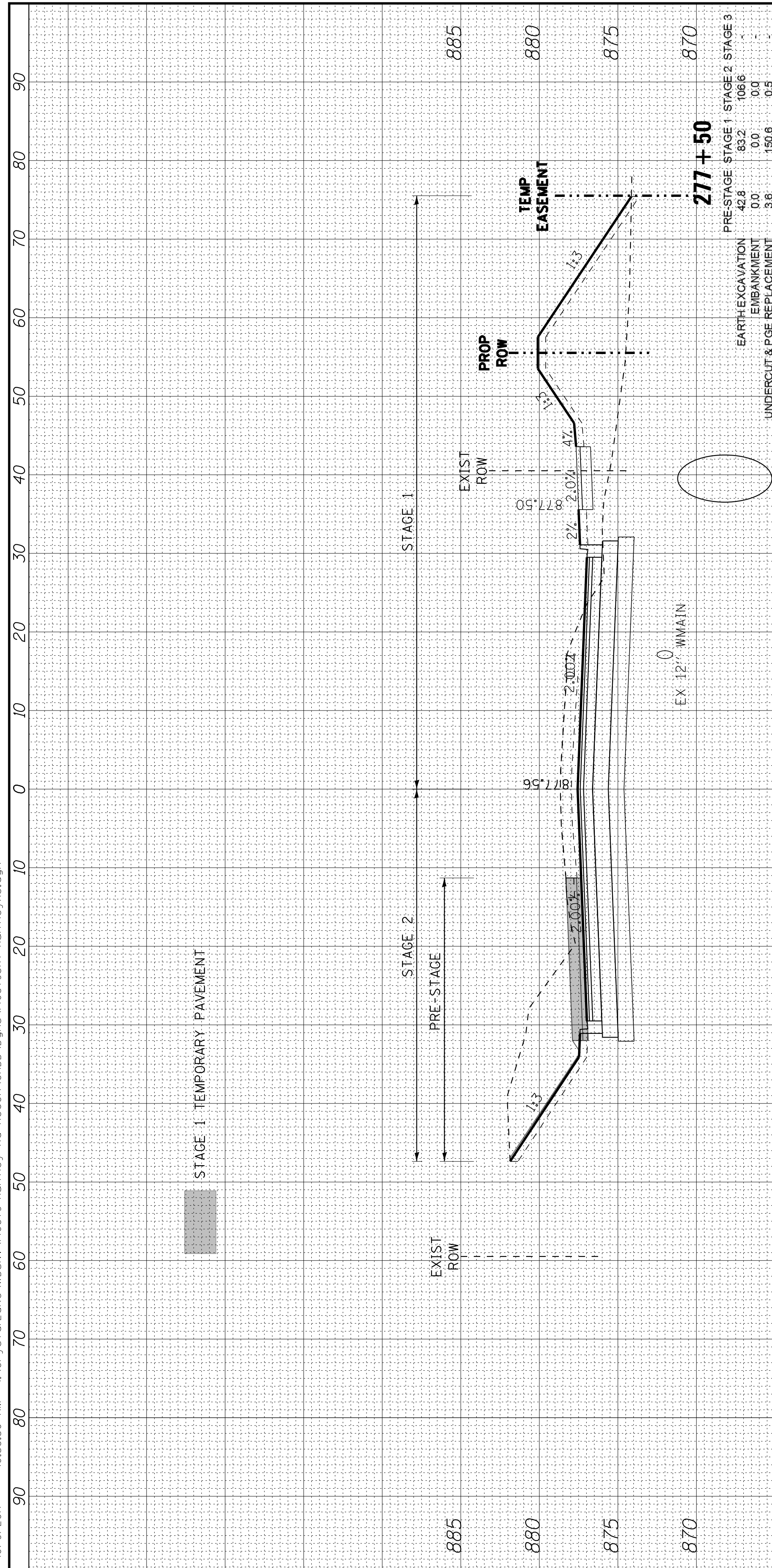
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

STA. 276+81 TO STA. 277+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	149
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



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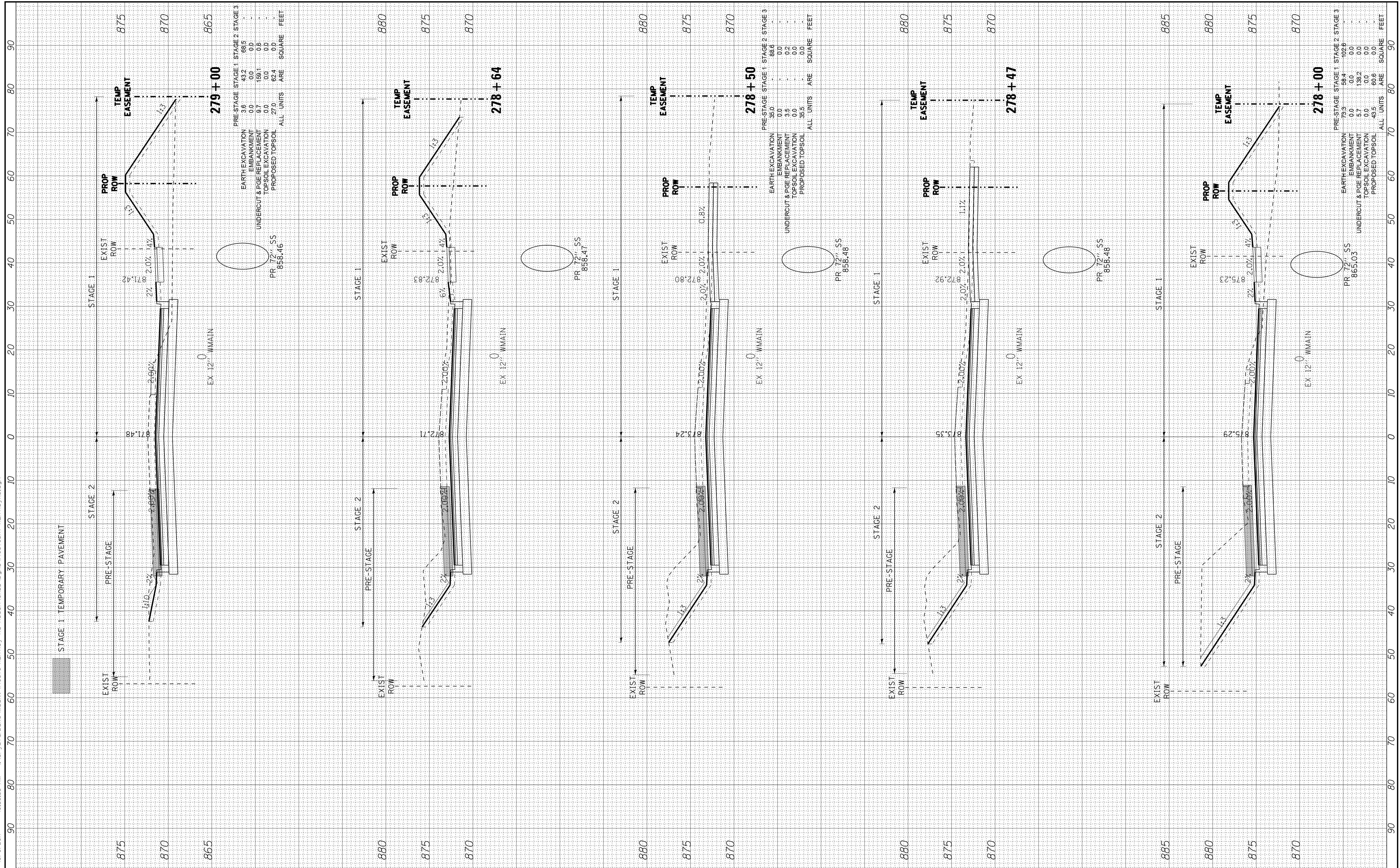
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

STA. 278+00 TO STA. 279+00

F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	150
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	



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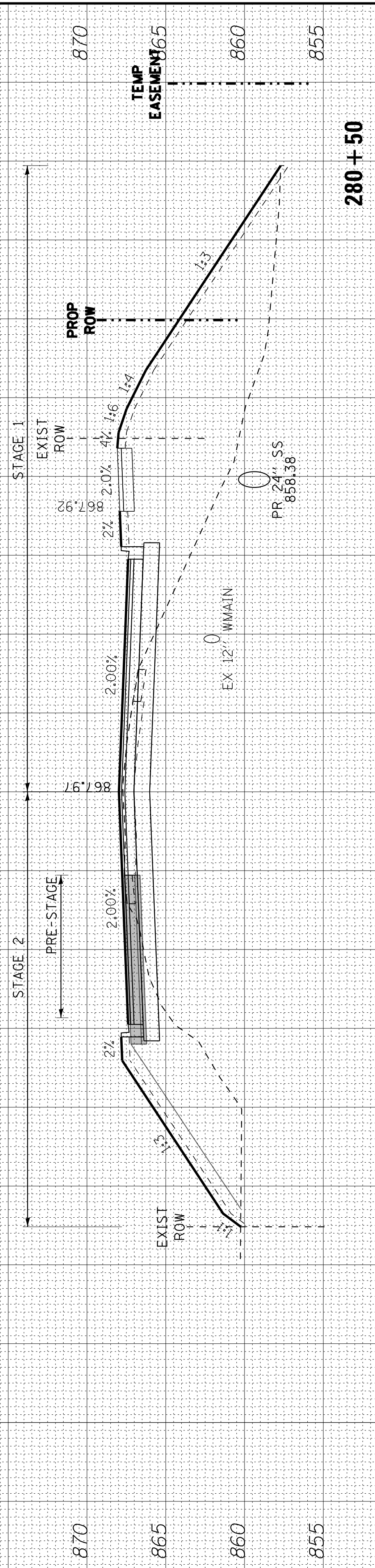
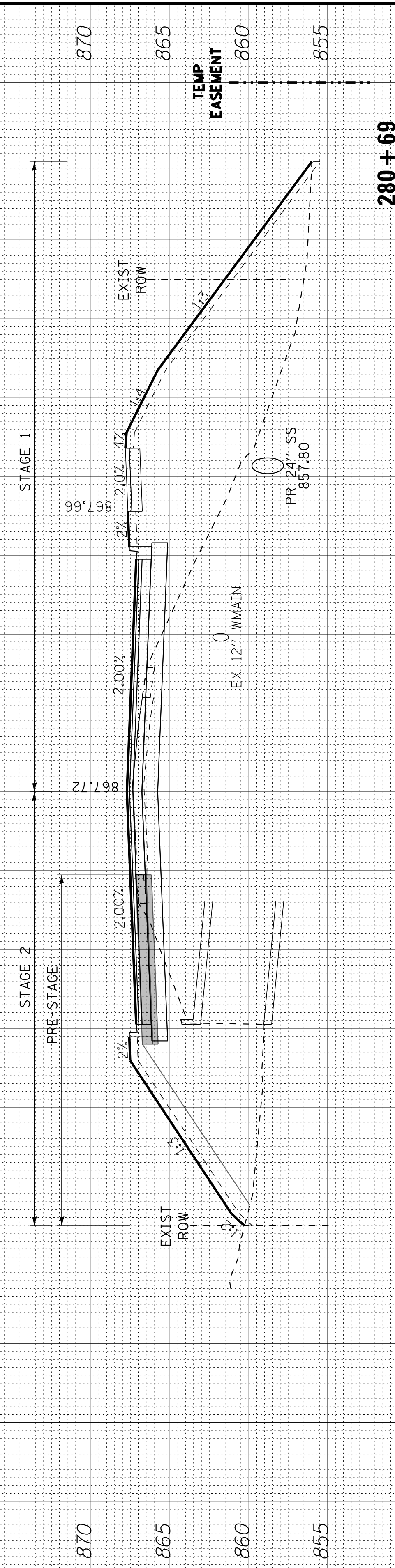
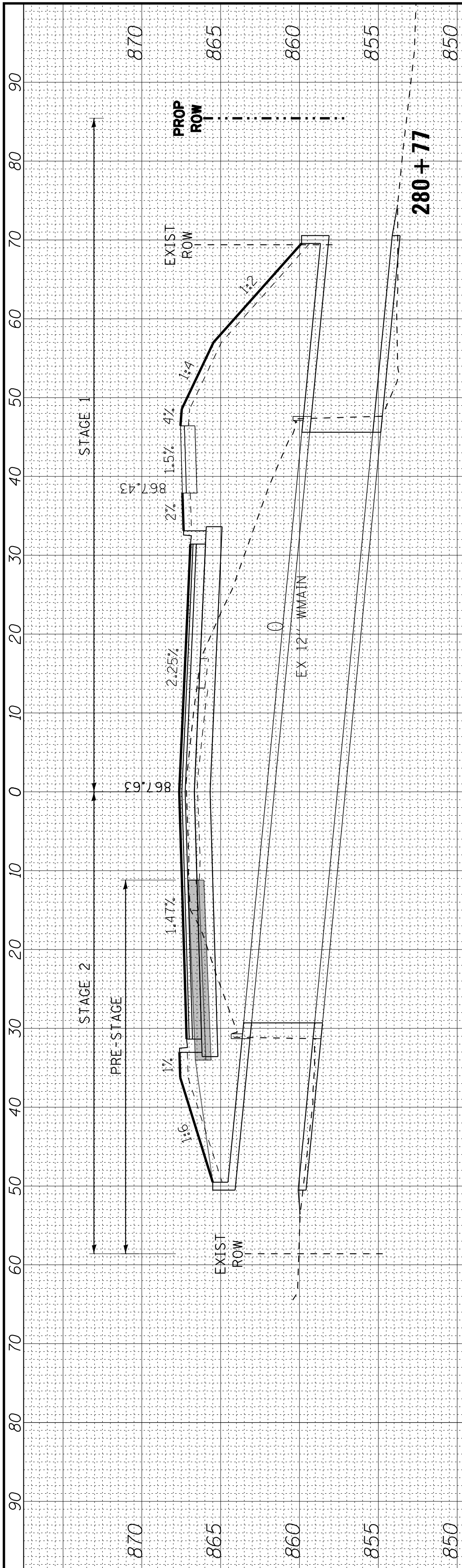
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
HUNTLEY ROAD**

SCALE: H: 1"=10' V: 1"=5'

STA. 279+50 TO STA. 280+77

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	151
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	



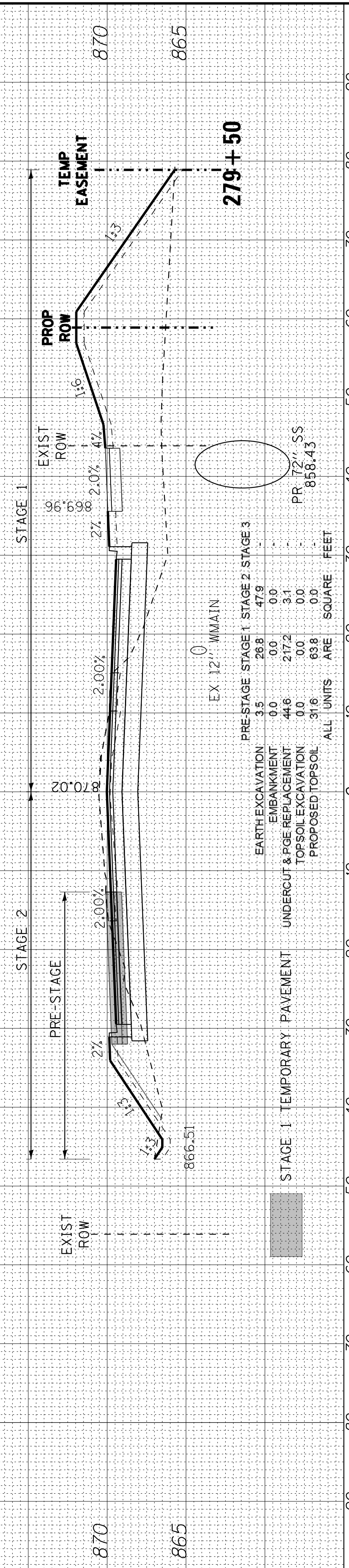
PRE-STAGE STAGE 1 STAGE 2 STAGE 3

EARTH EXCAVATION	3.4	14.4	28.1
EMBANKMENT	0.0	0.0	0.0
UNDERCUT & PGE REPLACEMENT	118.4	288.5	17.3
TOPSOIL EXCAVATION	0.0	0.0	0.0
PROPOSED TOPSOIL	48.5	67.6	0.0
ALL UNITS ARE SQUARE FEET			



PRE-STAGE STAGE 1 STAGE 2 STAGE 3

EARTH EXCAVATION	3.5	12.5	39.3
EMBANKMENT	0.0	0.0	0.0
UNDERCUT & PGE REPLACEMENT	69.2	373.6	6.0
TOPSOIL EXCAVATION	0.0	0.0	0.0
PROPOSED TOPSOIL	36.9	74.6	0.0
ALL UNITS ARE SQUARE FEET			



PRE-STAGE STAGE 1 STAGE 2 STAGE 3

EARTH EXCAVATION	3.5	28.8	47.9
EMBANKMENT	0.0	0.0	0.0
UNDERCUT & PGE REPLACEMENT	44.6	217.2	3.1
TOPSOIL EXCAVATION	0.0	0.0	0.0
PROPOSED TOPSOIL	31.6	63.8	0.0
ALL UNITS ARE SQUARE FEET			

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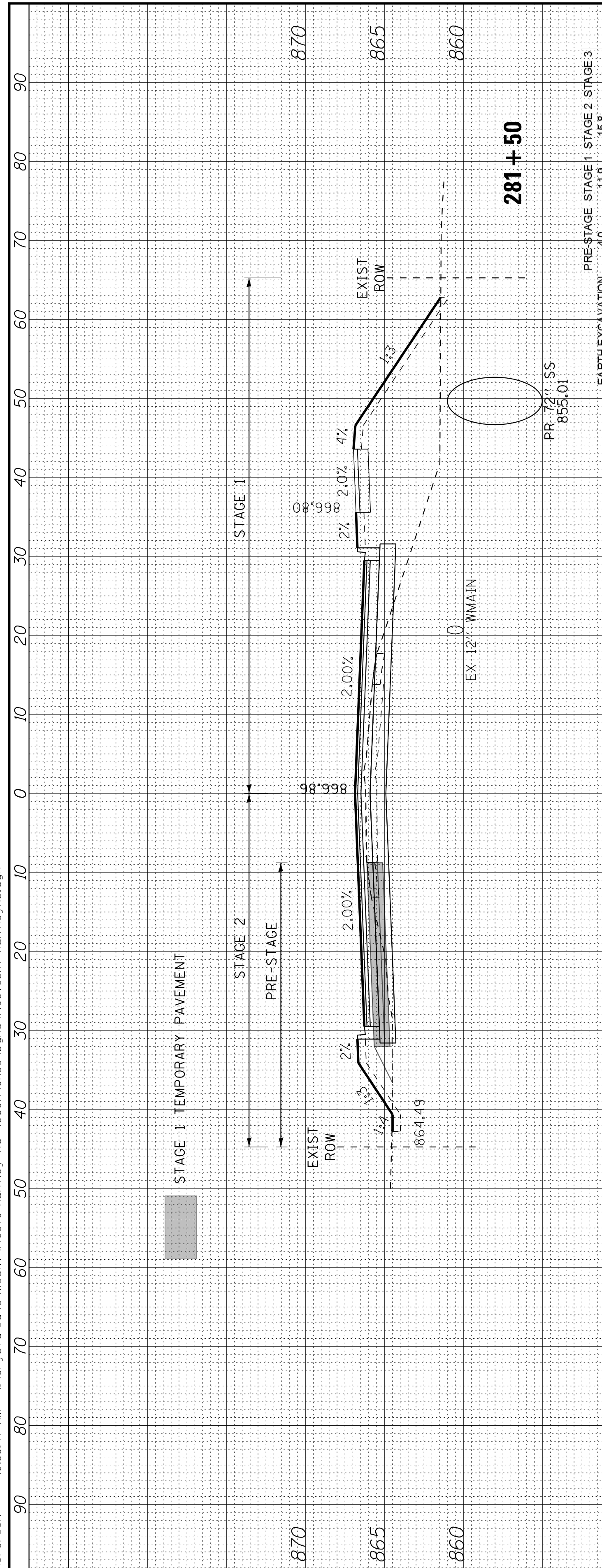
STATE OF ILLINOIS
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CROSS SECTIONS
HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

STA. 280+91 TO STA. 281+50

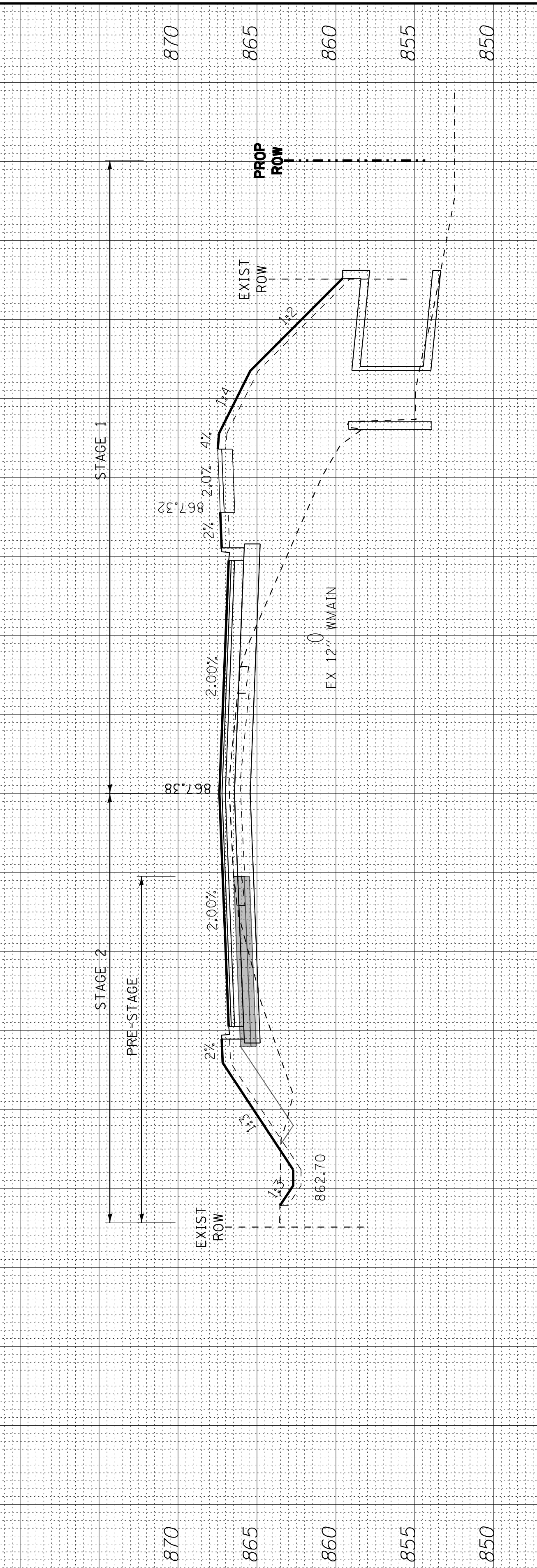
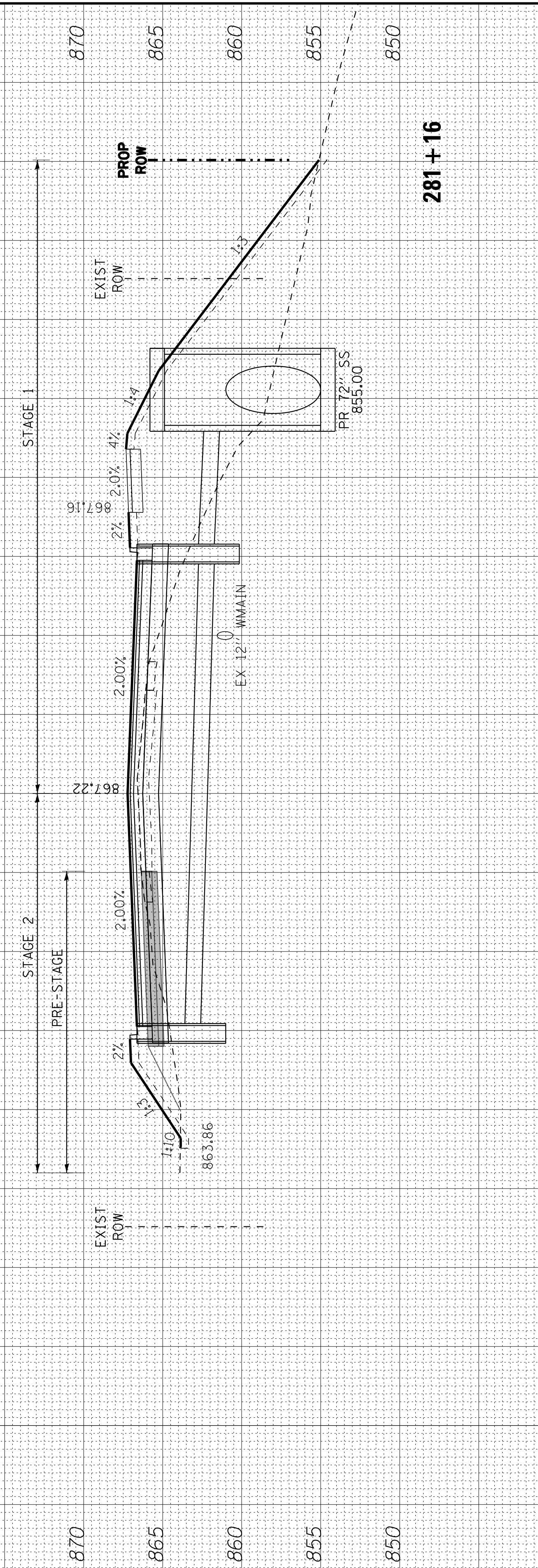
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	152
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



PRE-STAGE STAGE 1 STAGE 2 STAGE 3

EARTH EXCAVATION	4.0	11.9	15.8	-
EMBANKMENT	0.0	0.0	0.0	-
UNDERCUT & PGE REPLACEMENT	90.1	144.6	6.1	-
TOPSOIL EXCAVATION	0.0	0.0	0.0	-
PROPOSED TOPSOIL	30.0	46.4	0.0	-

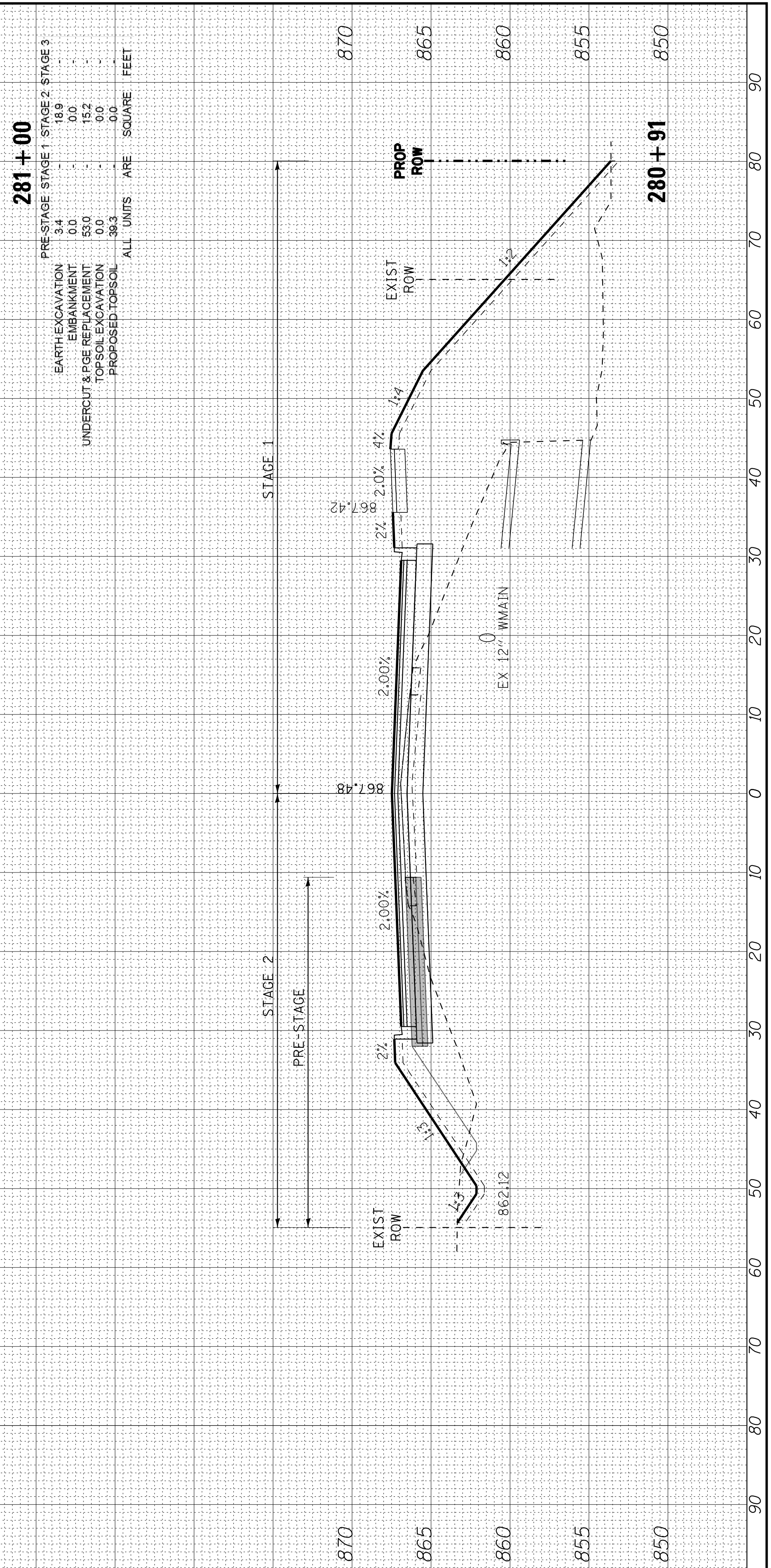
ALL UNITS ARE SQUARE FEET



PRE-STAGE STAGE 1 STAGE 2 STAGE 3

EARTH EXCAVATION	2.1	10.8	-
EMBANKMENT	0.0	0.0	-
UNDERCUT & PGE REPLACEMENT	85.0	15.7	-
TOPSOIL EXCAVATION	0.0	0.0	-
PROPOSED TOPSOIL	36.3	0.0	-

ALL UNITS ARE SQUARE FEET



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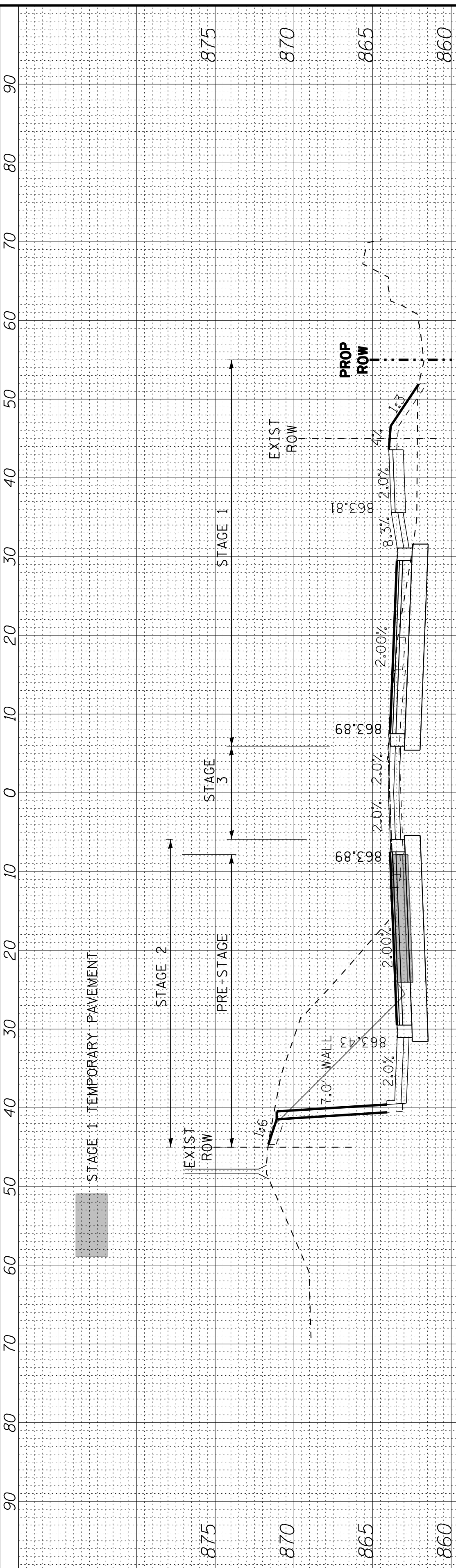
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

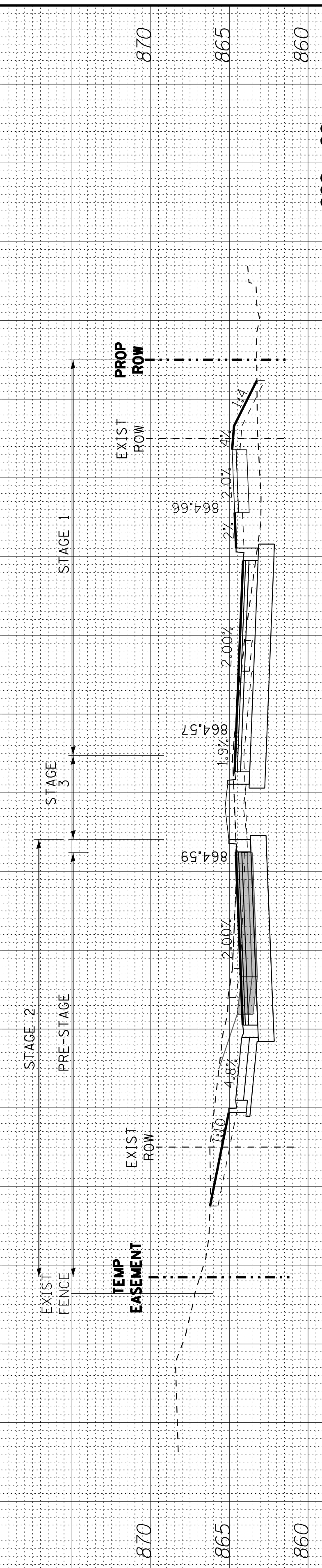
STA. 282+00 TO STA. 283+28

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	153
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



283 + 28

EX 12" W/MAIN



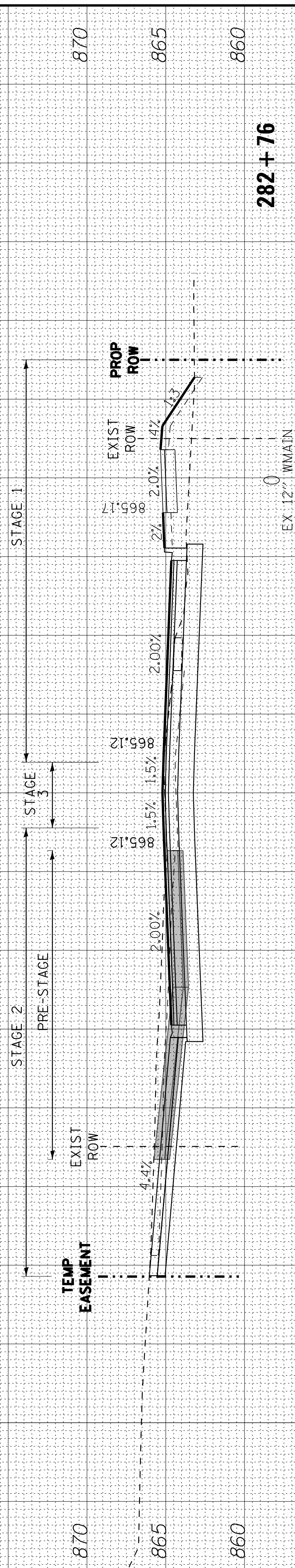
283 + 00

EX 12" W/MAIN

PRE-STAGE STAGE 1 STAGE 2 STAGE 3

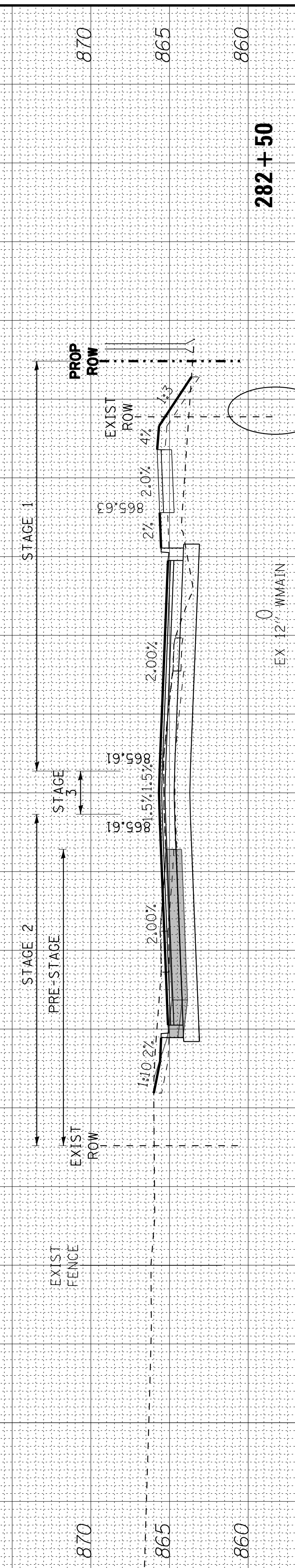
EARTH EXCAVATION	20.2	20.5	62.7	0.0
EMBANKMENT	0.0	0.0	0.0	0.0
UNDERCUT & PGE REPLACEMENT	21.0	36.4	0.0	0.0
TOPSOIL EXCAVATION	0.0	0.0	0.0	0.0
PROPOSED TOPSOIL	26.6	33.2	0.0	0.0

ALL UNITS ARE SQUARE FEET



282 + 76

EX 12" W/MAIN



282 + 50

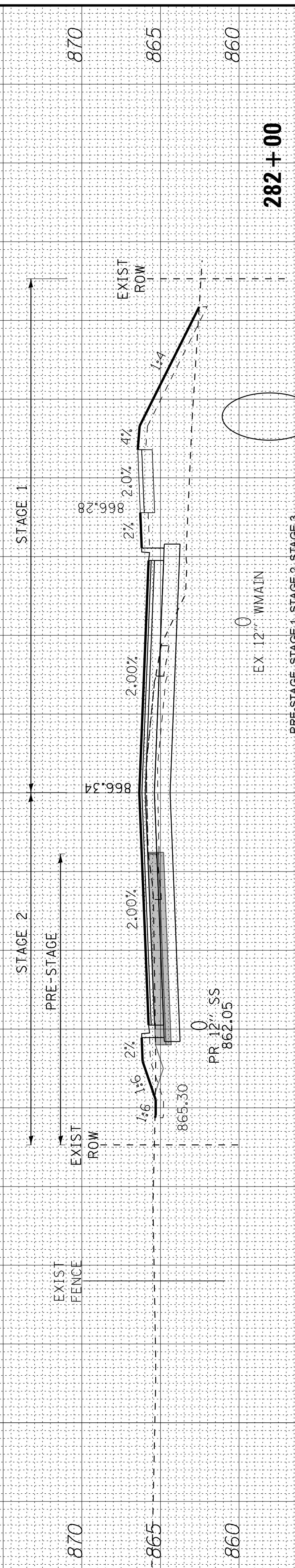
EX 12" W/MAIN

PR 72" SS
865.28

PRE-STAGE STAGE 1 STAGE 2 STAGE 3

EARTH EXCAVATION	27.4	17.0	24.5	5.3
EMBANKMENT	0.0	0.0	0.0	0.0
UNDERCUT & PGE REPLACEMENT	5.2	42.3	0.0	0.0
TOPSOIL EXCAVATION	0.0	0.0	0.0	0.0
PROPOSED TOPSOIL	15.4	33.8	0.0	0.0

ALL UNITS ARE SQUARE FEET



282 + 00

EX 12" W/MAIN

PR 72" SS
855.07

PRE-STAGE STAGE 1 STAGE 2 STAGE 3

EARTH EXCAVATION	4.8	15.0	21.7	0.0
EMBANKMENT	0.0	0.0	0.0	0.0
UNDERCUT & PGE REPLACEMENT	10.0	99.6	3.4	0.0
TOPSOIL EXCAVATION	0.0	0.0	0.0	0.0
PROPOSED TOPSOIL	27.8	43.8	0.0	0.0

ALL UNITS ARE SQUARE FEET

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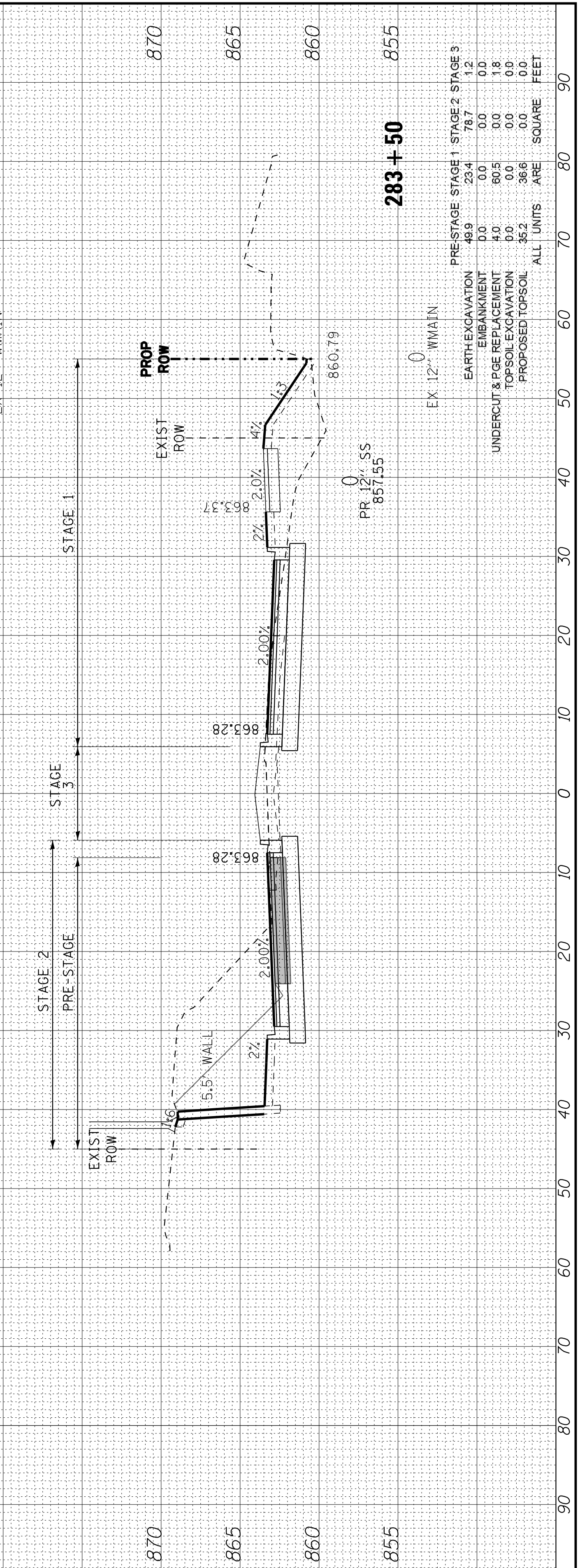
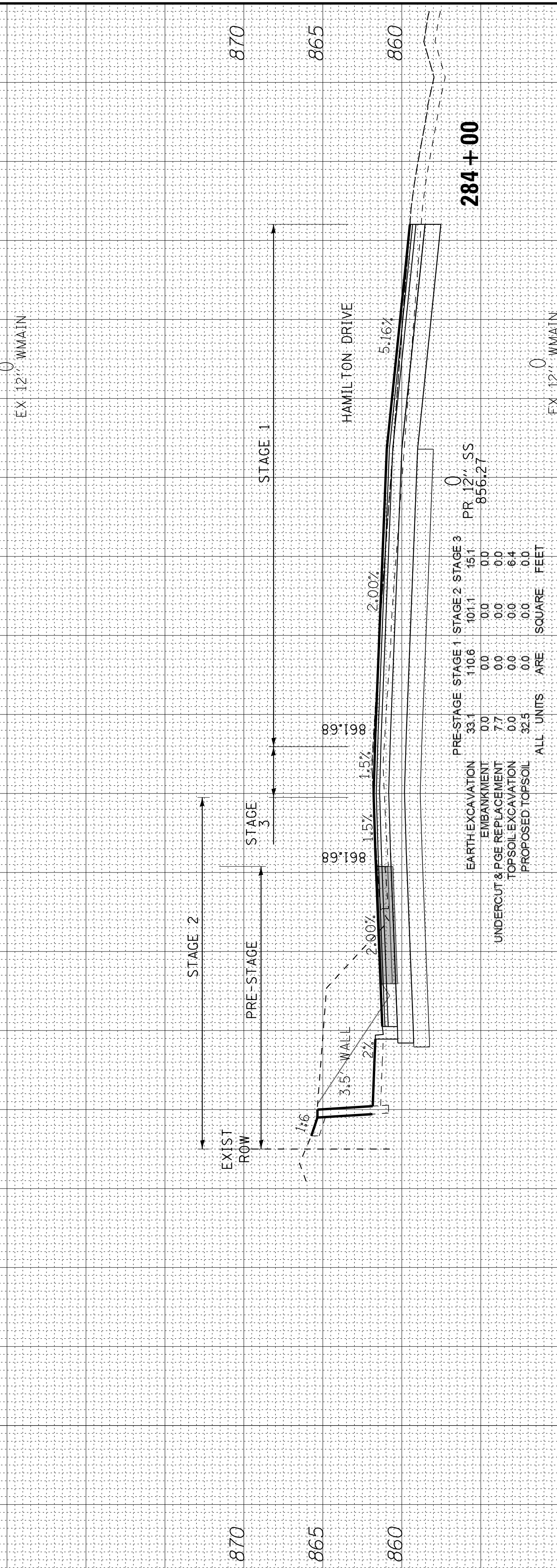
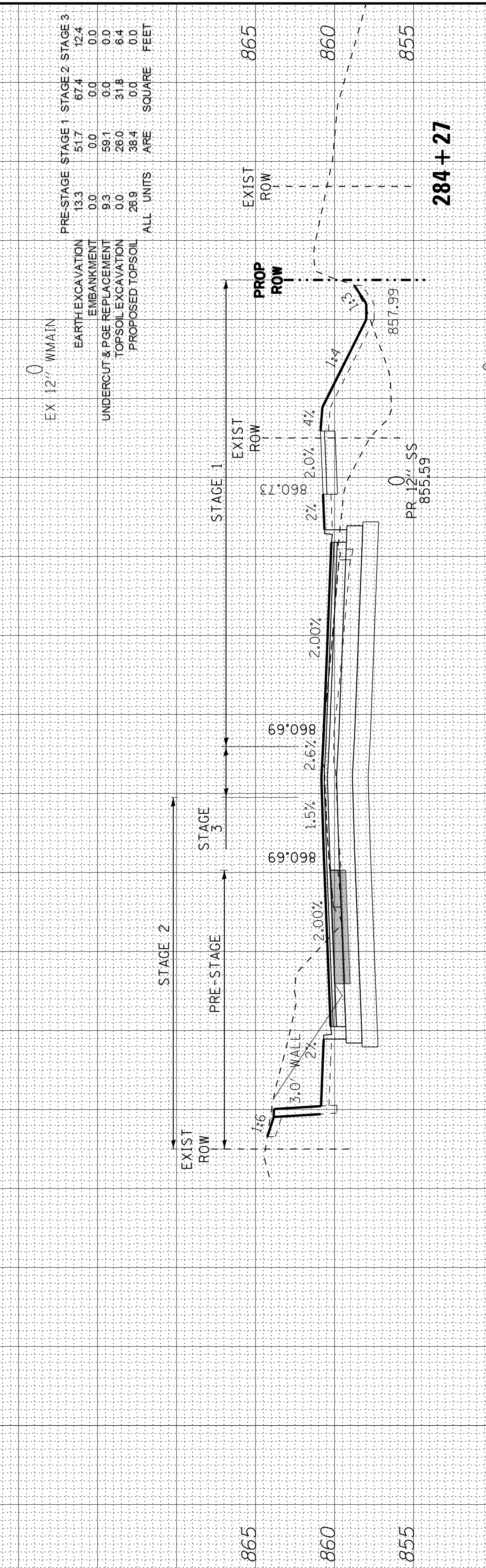
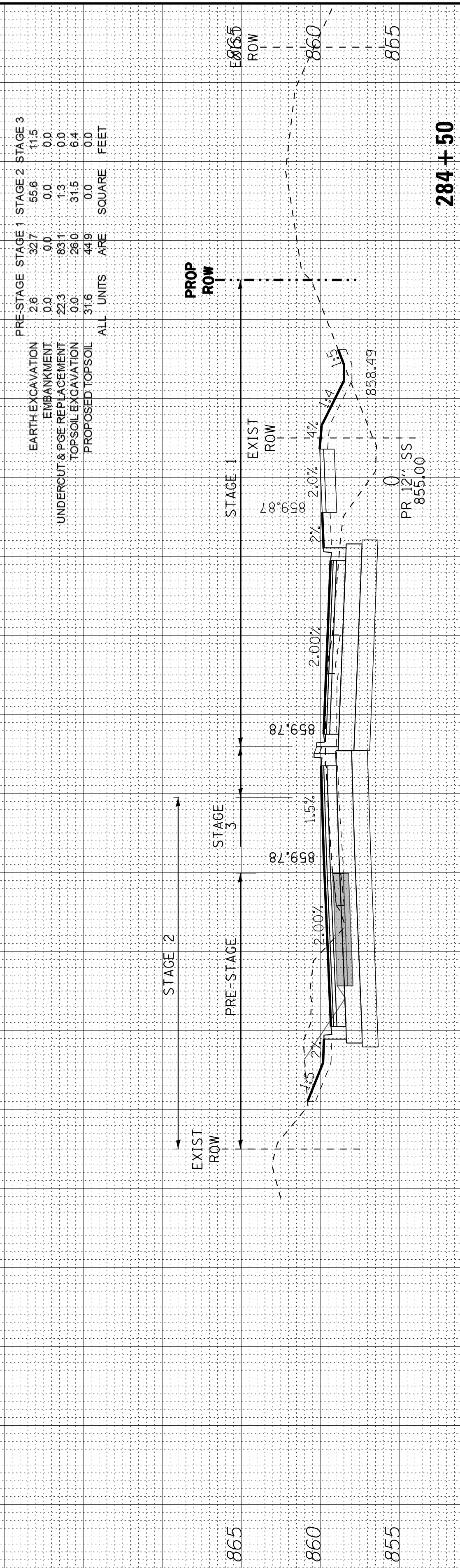
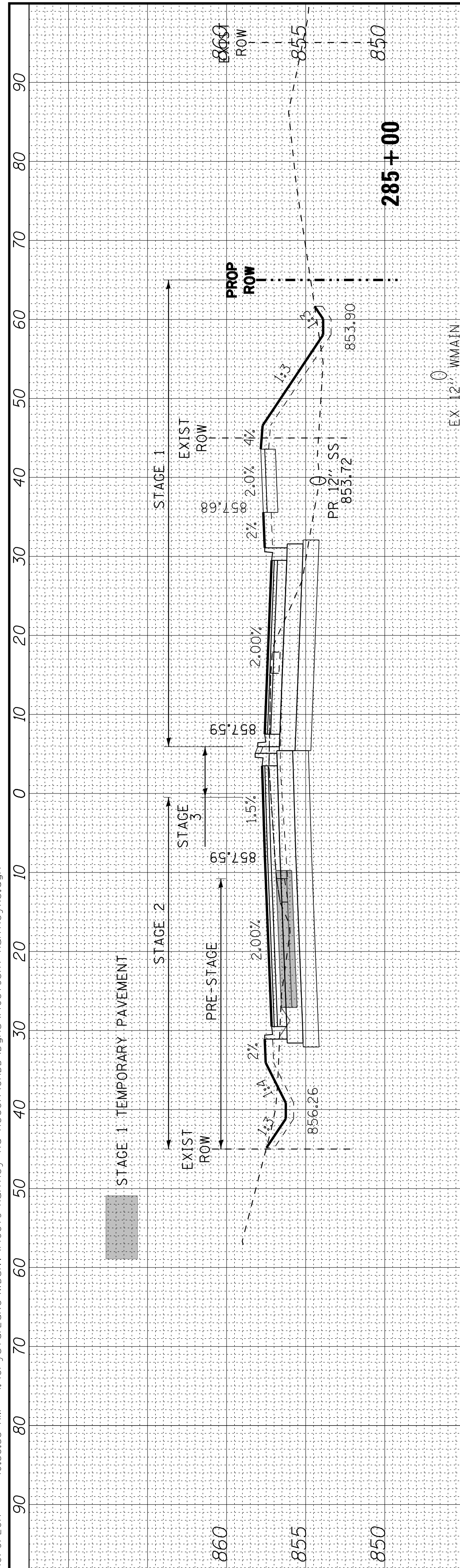
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

STA. 283+50 TO STA. 285+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	154
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	



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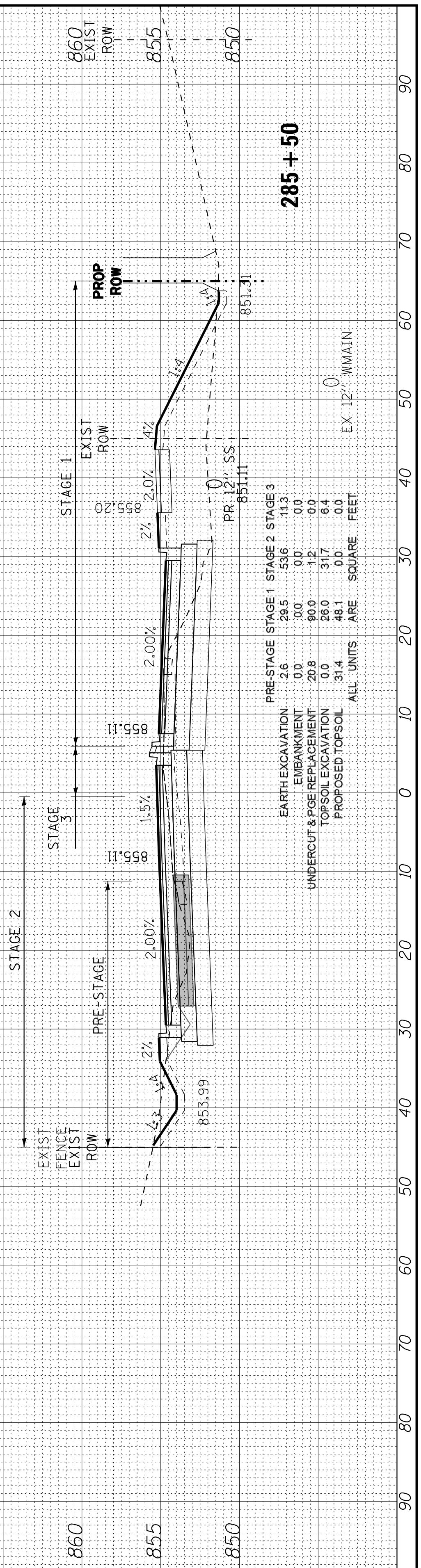
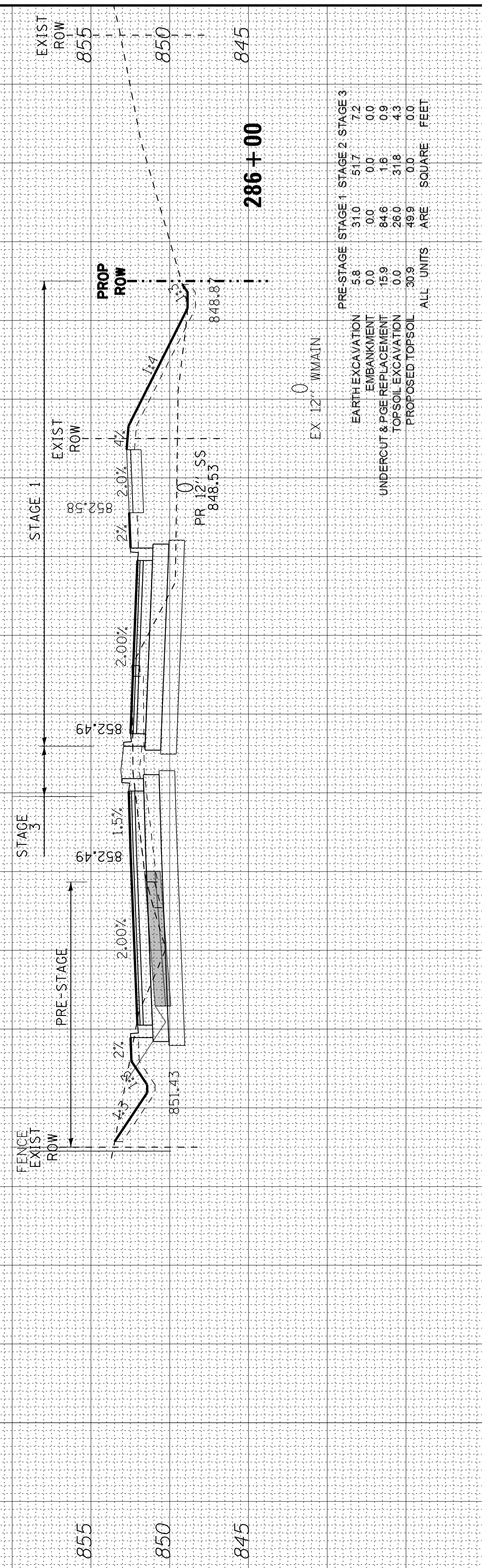
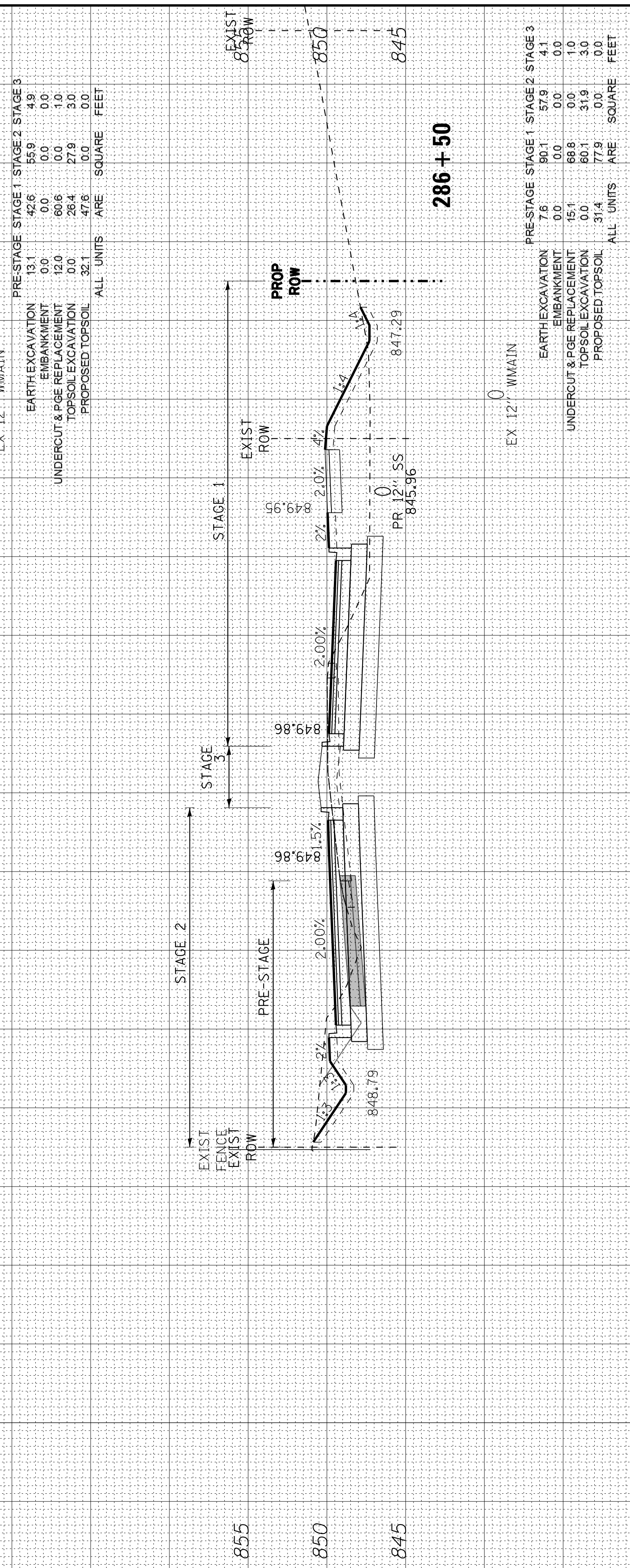
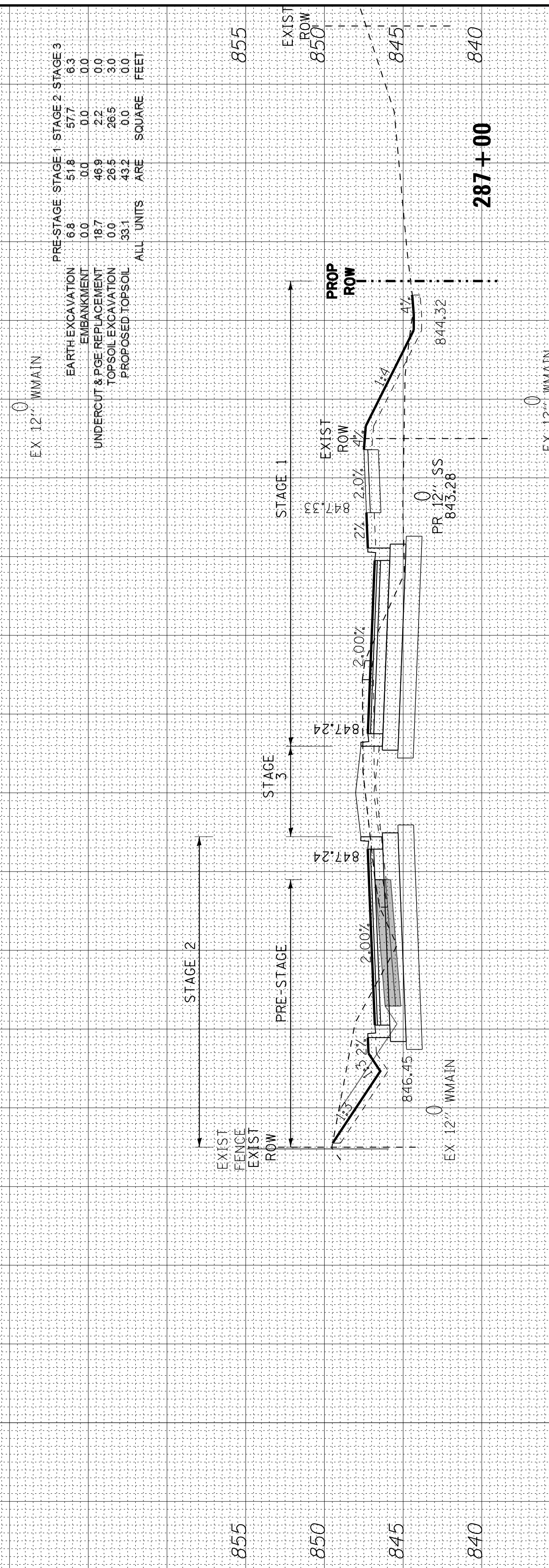
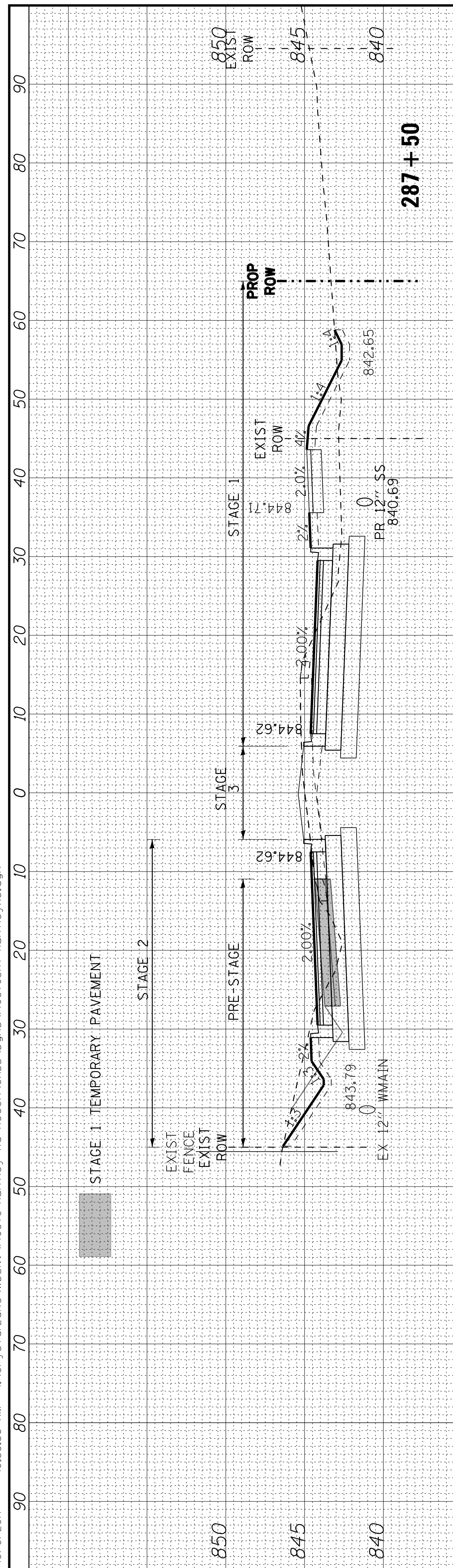
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 HUNTLEY ROAD**

SCALE: H: 1"=10' V: 1"=5'

STA. 285+50 TO STA. 287+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	155
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



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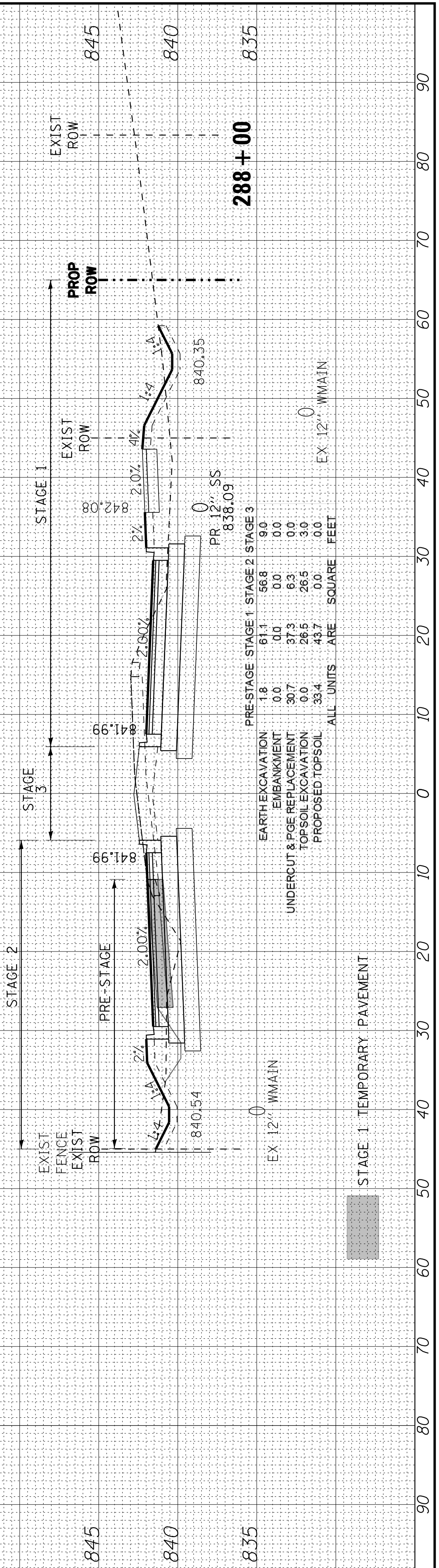
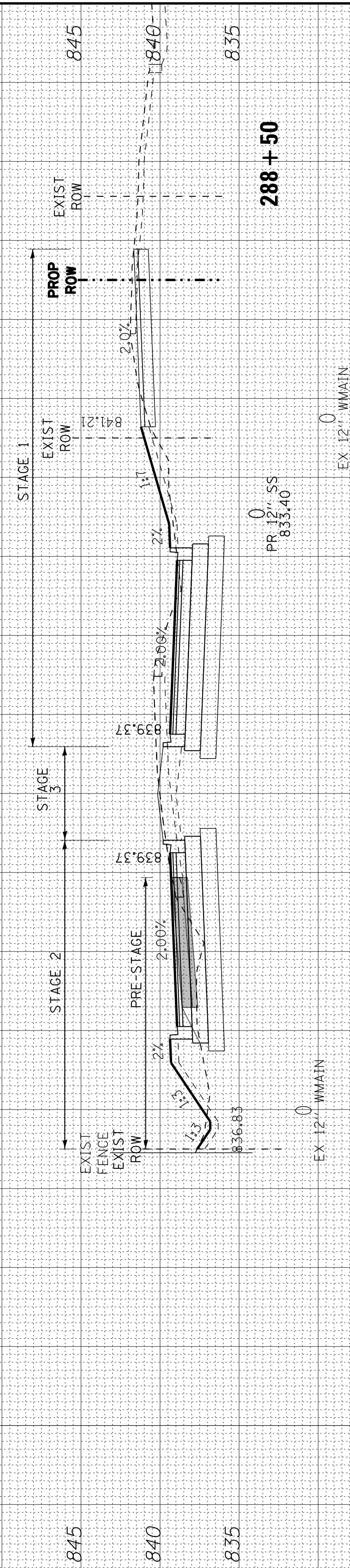
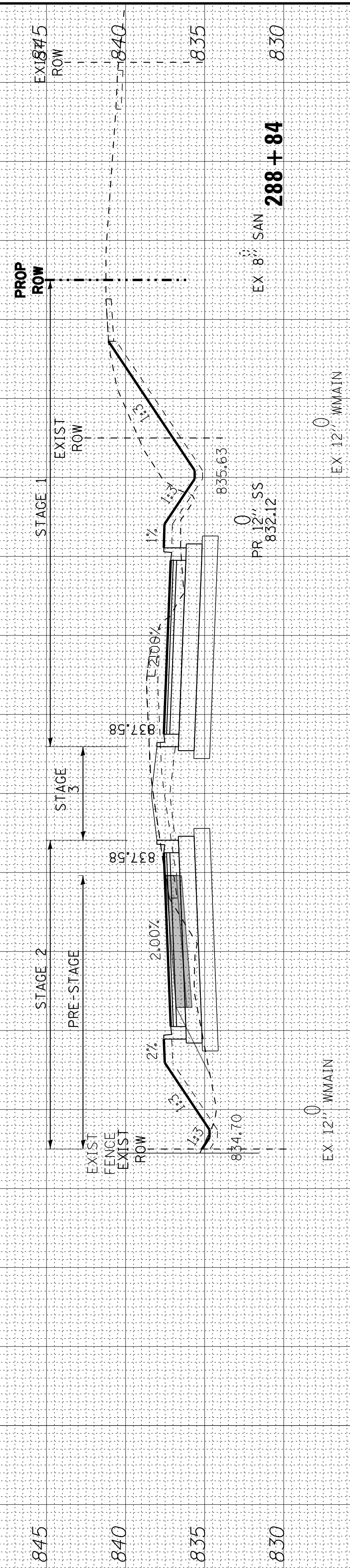
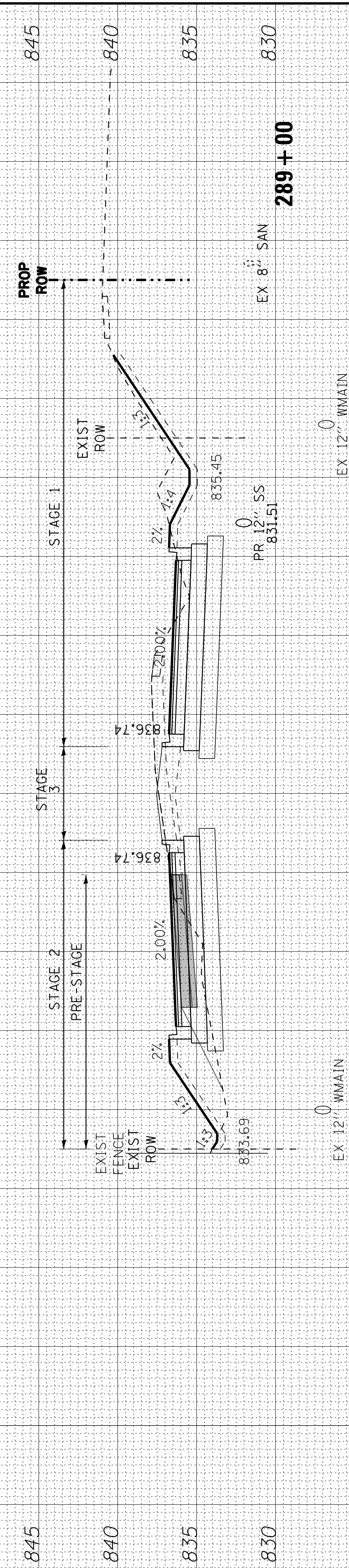
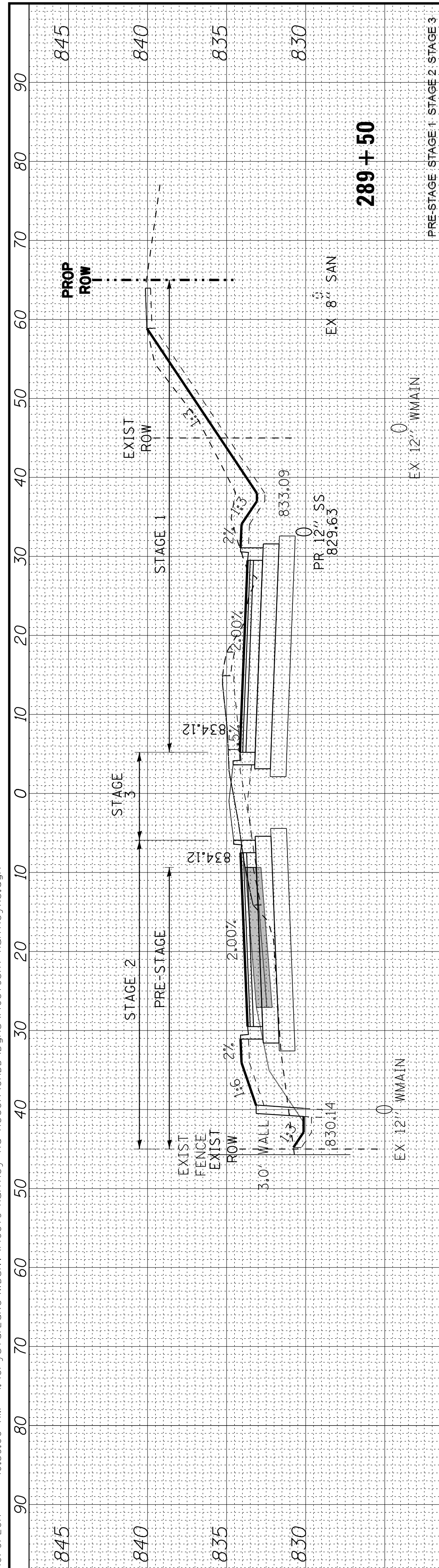
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

STA. 288+00 TO STA. 289+50

F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	156
CONTRACT NO.61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



STAGE 1 TEMPORARY PAVEMENT

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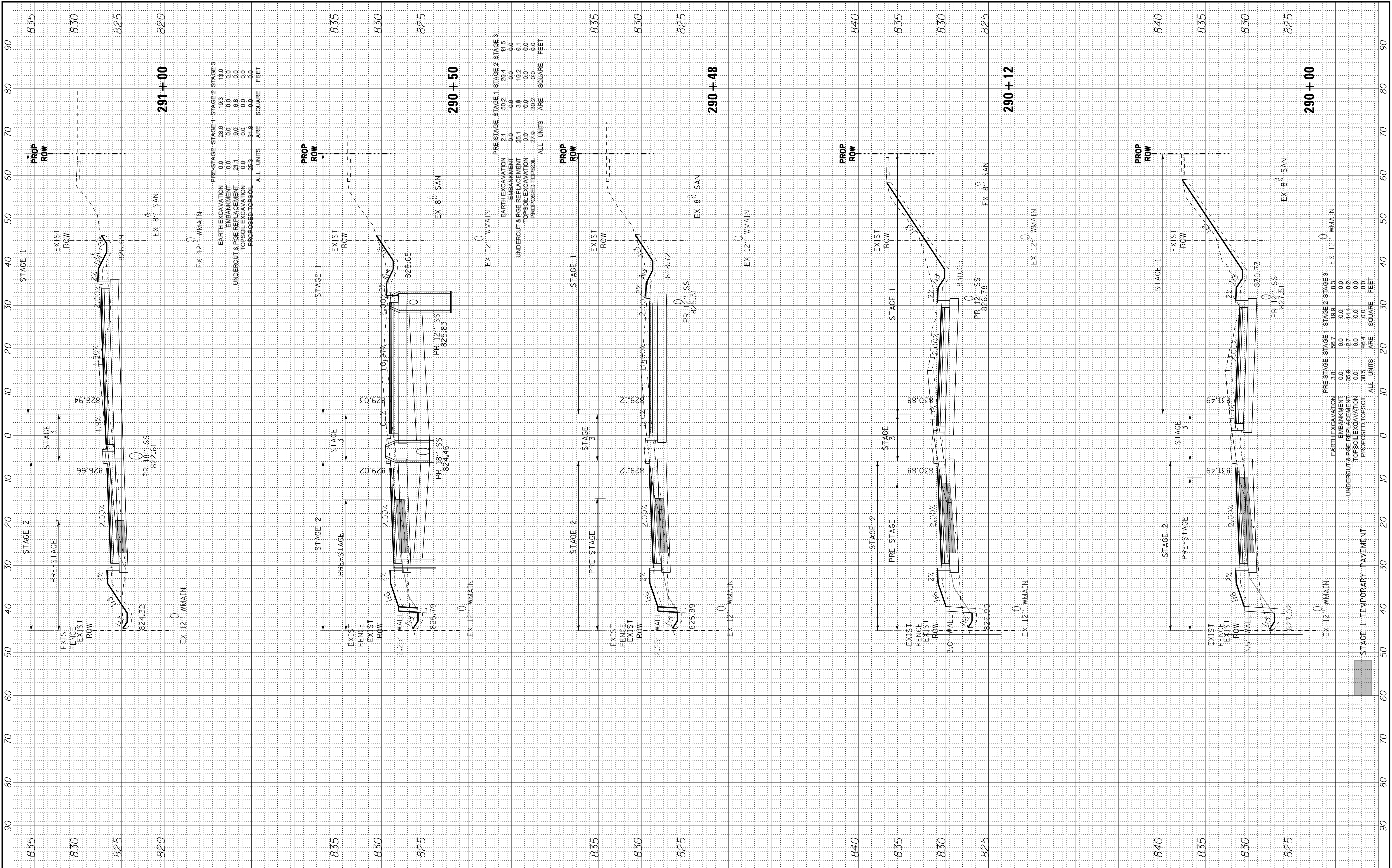
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

STA. 290+00 TO STA. 291+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	157
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



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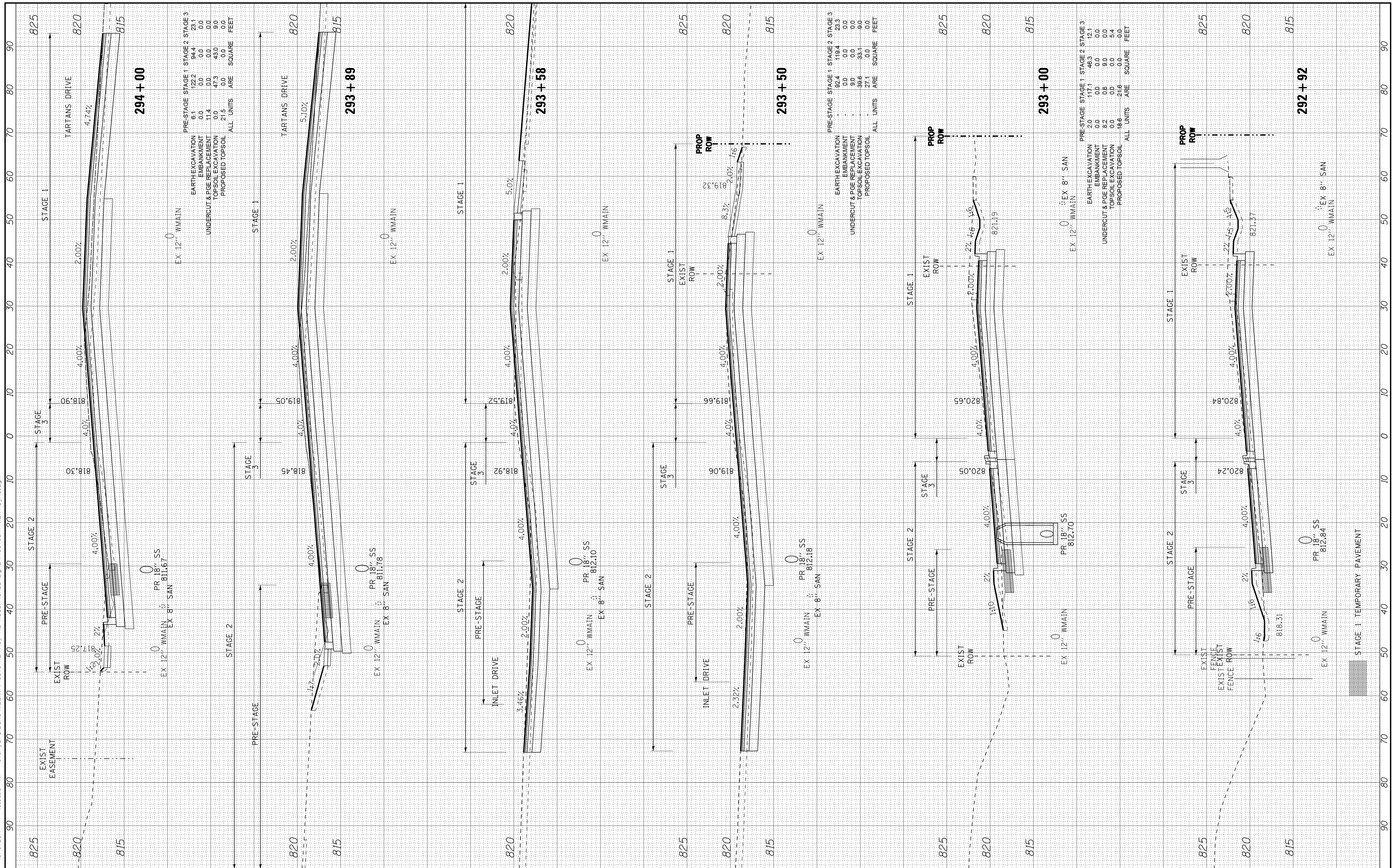
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

STA. 292+92 TO STA. 294+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	159
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



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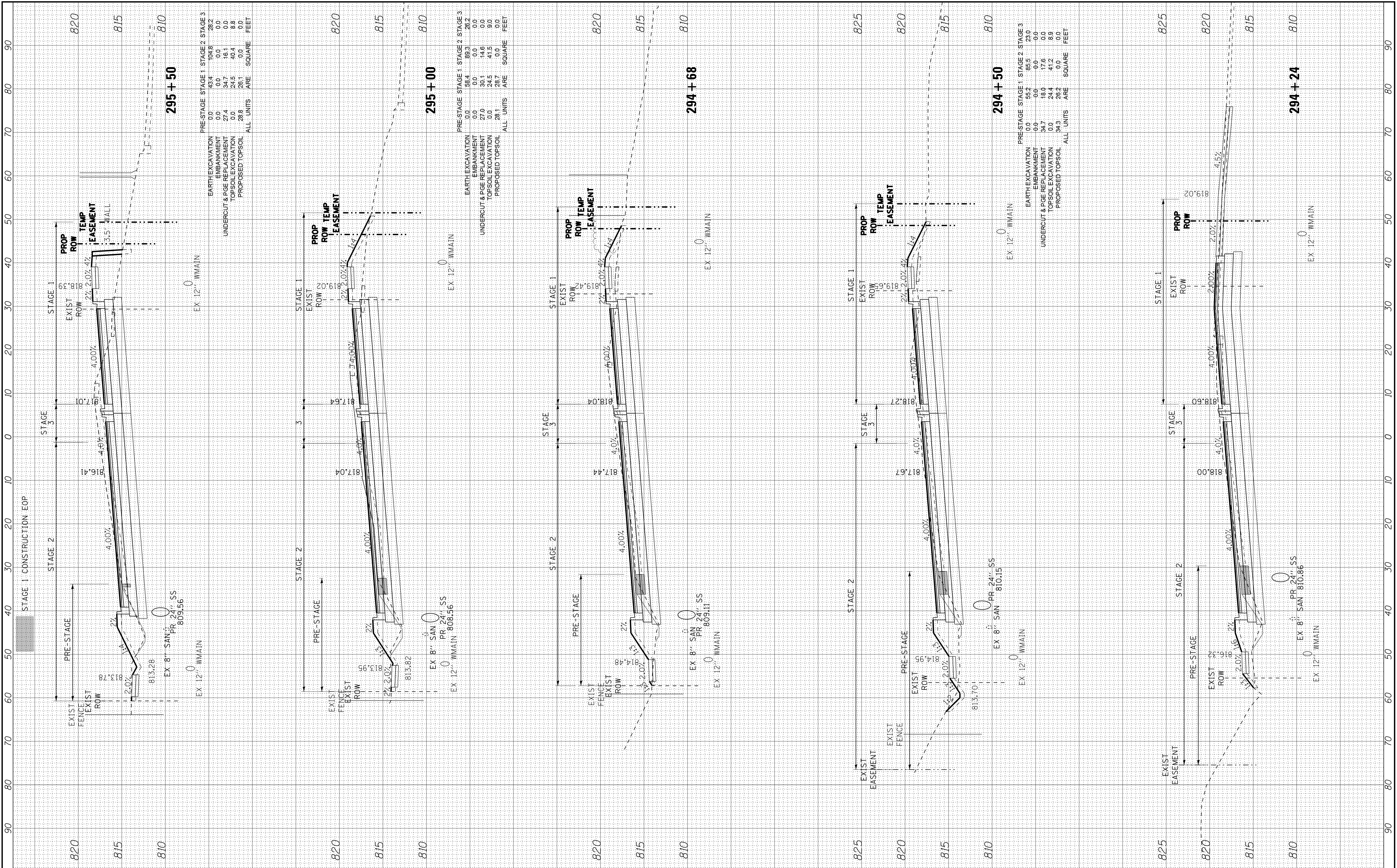
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

STA. 294+24 TO STA. 295+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	160
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	



PRE-STAGE STAGE 1 STAGE 2 STAGE 3

EARTH EXCAVATION	0.0	43.4	104.8	26.2
EMBANKMENT	0.0	0.0	0.0	0.0
UNDERCUT & PGE REPLACEMENT	27.4	34.7	16.1	0.0
TOPSOIL EXCAVATION	0.0	24.5	40.4	8.8
PROPOSED TOPSOIL	28.8	26.1	0.0	0.0
ALL UNITS	ARE	SQUARE	FEET	

PRE-STAGE STAGE 1 STAGE 2 STAGE 3

EARTH EXCAVATION	0.0	58.4	89.3	26.2
EMBANKMENT	0.0	0.0	0.0	0.0
UNDERCUT & PGE REPLACEMENT	27.0	30.1	14.6	0.0
TOPSOIL EXCAVATION	0.0	24.5	41.5	9.0
PROPOSED TOPSOIL	28.1	28.7	0.0	0.0
ALL UNITS	ARE	SQUARE	FEET	

PRE-STAGE STAGE 1 STAGE 2 STAGE 3

EARTH EXCAVATION	0.0	58.2	85.5	23.0
EMBANKMENT	0.0	0.0	0.0	0.0
UNDERCUT & PGE REPLACEMENT	34.7	13.0	17.6	0.0
TOPSOIL EXCAVATION	0.0	24.4	41.2	8.8
PROPOSED TOPSOIL	34.3	28.1	0.0	0.0
ALL UNITS	ARE	SQUARE	FEET	

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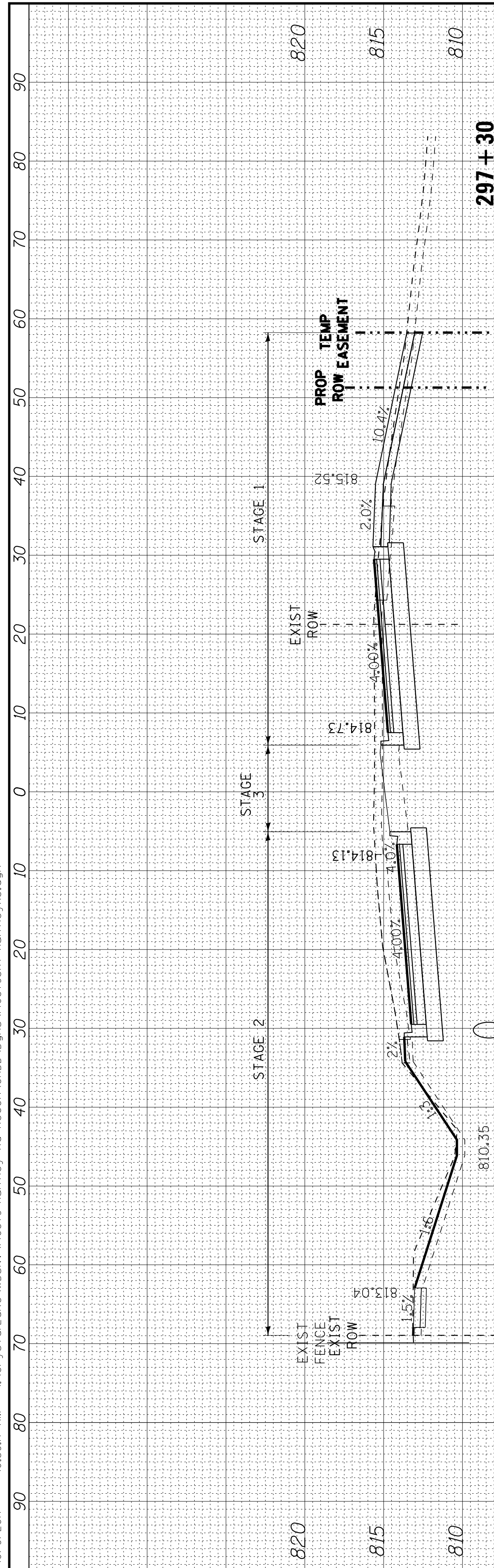
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

STA. 296+00 TO STA. 297+30

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	161
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	



297 + 30

297 + 26

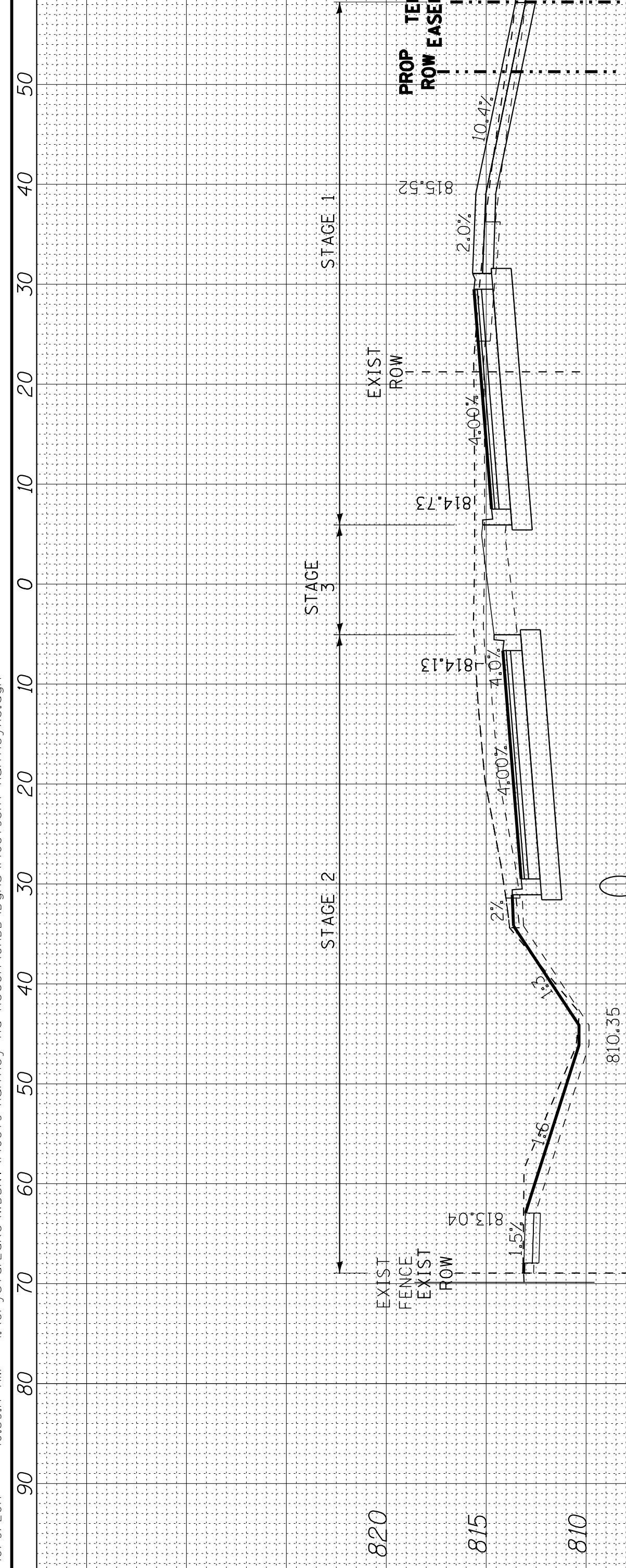
297 + 00

EARTH EXCAVATION	30.8	98.6	8.5
EMBANKMENT	0.0	0.0	0.0
UNDERCUT & P&E REPLACEMENT	43.5	0.8	0.0
TOPSOIL EXCAVATION	0.0	0.0	0.0
PROPOSED TOPSOIL	38.7	0.0	9.1
ALL UNITS	ARE	SQUARE	FEET

EX 12' WMAIN

EX 12' WMAIN

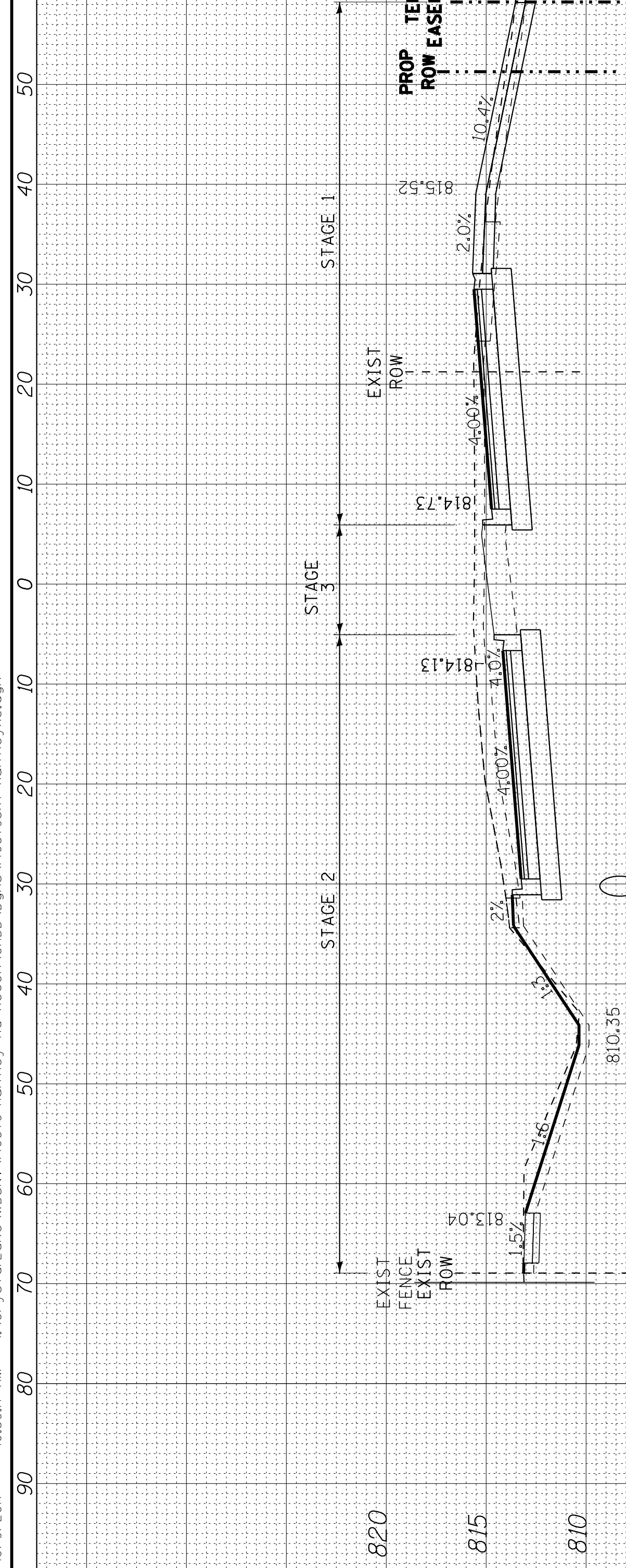
EX 12' WMAIN



296 + 50

EARTH EXCAVATION	17.7	112.6	14.4
EMBANKMENT	0.0	0.0	0.0
UNDERCUT & P&E REPLACEMENT	44.7	11.5	0.0
TOPSOIL EXCAVATION	0.0	0.0	0.0
PROPOSED TOPSOIL	30.3	0.0	6.7
ALL UNITS	ARE	SQUARE	FEET

EX 12' WMAIN



296 + 00

EARTH EXCAVATION	36.9	112.6	91.3
EMBANKMENT	0.0	0.0	0.0
UNDERCUT & P&E REPLACEMENT	33.3	11.5	0.0
TOPSOIL EXCAVATION	24.5	37.6	8.5
PROPOSED TOPSOIL	30.3	0.0	0.7
ALL UNITS	ARE	SQUARE	FEET

EX 12' WMAIN

DESIGNED	- DSH	REVISED	-
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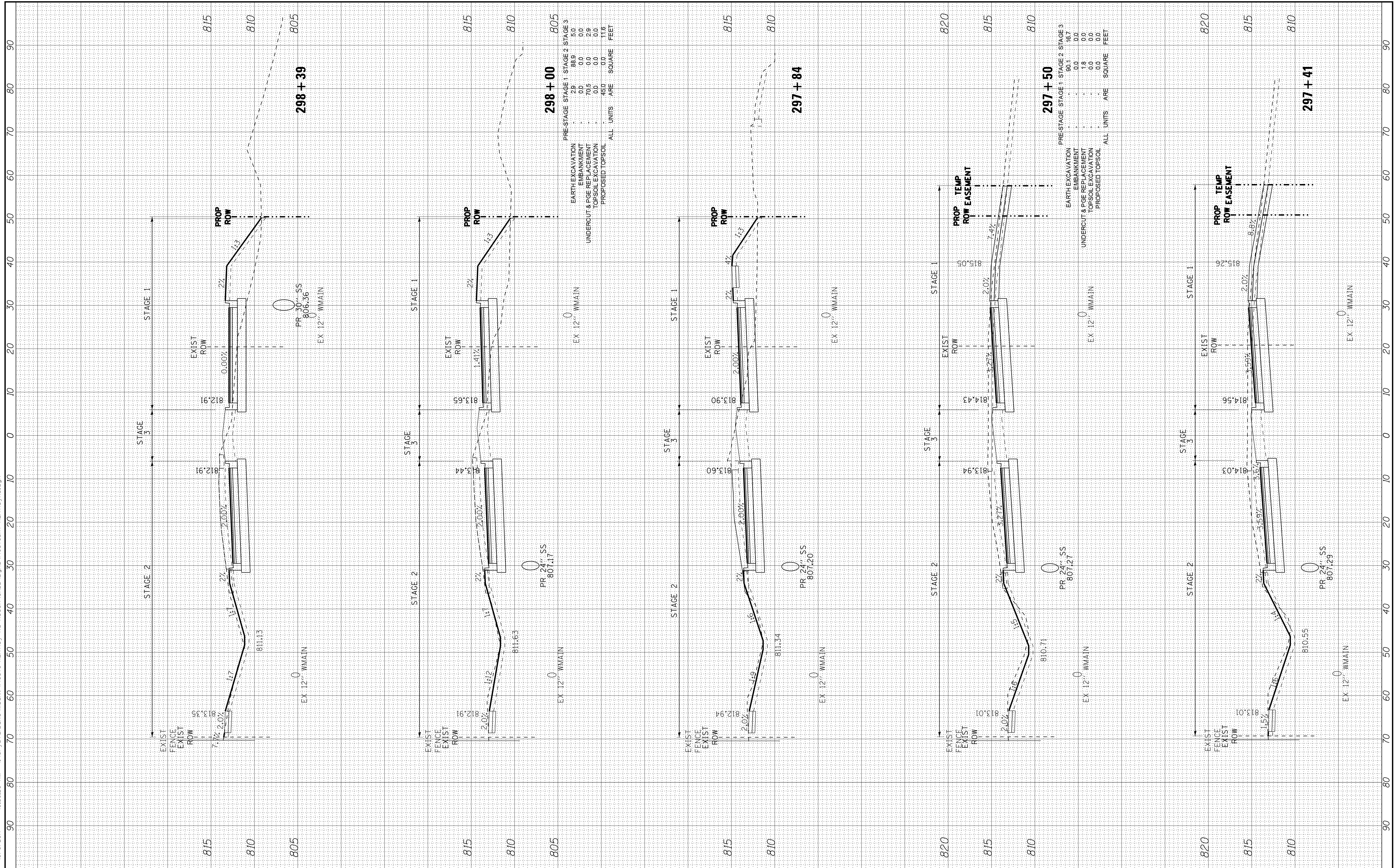
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 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 HUNTLEY ROAD**

SCALE: H: 1"=10' V: 1"=5'

STA. 297+41 TO STA. 298+39

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	162
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



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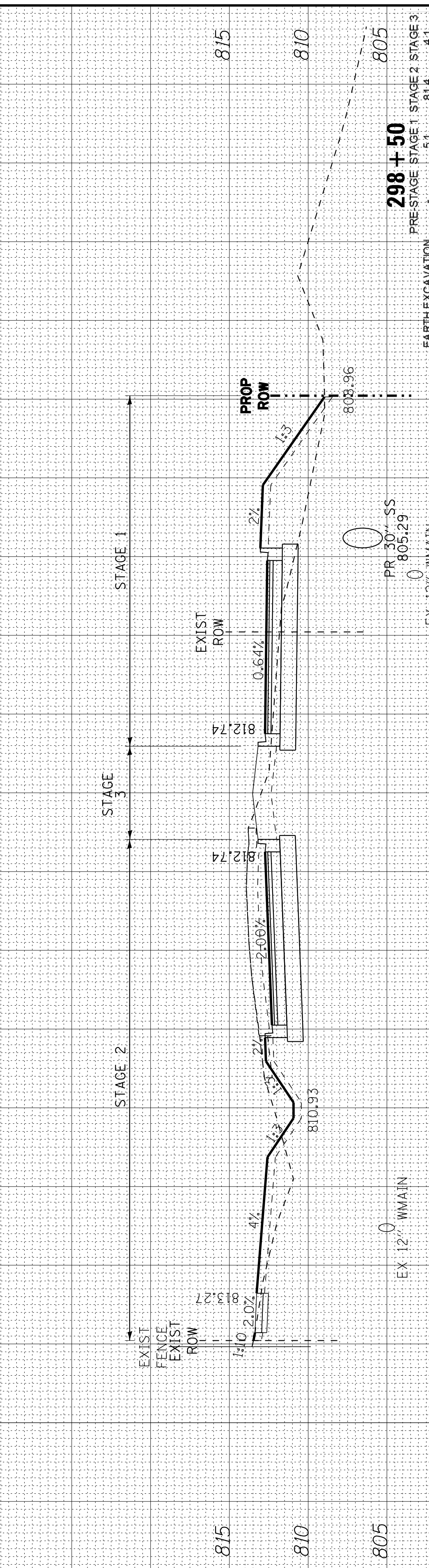
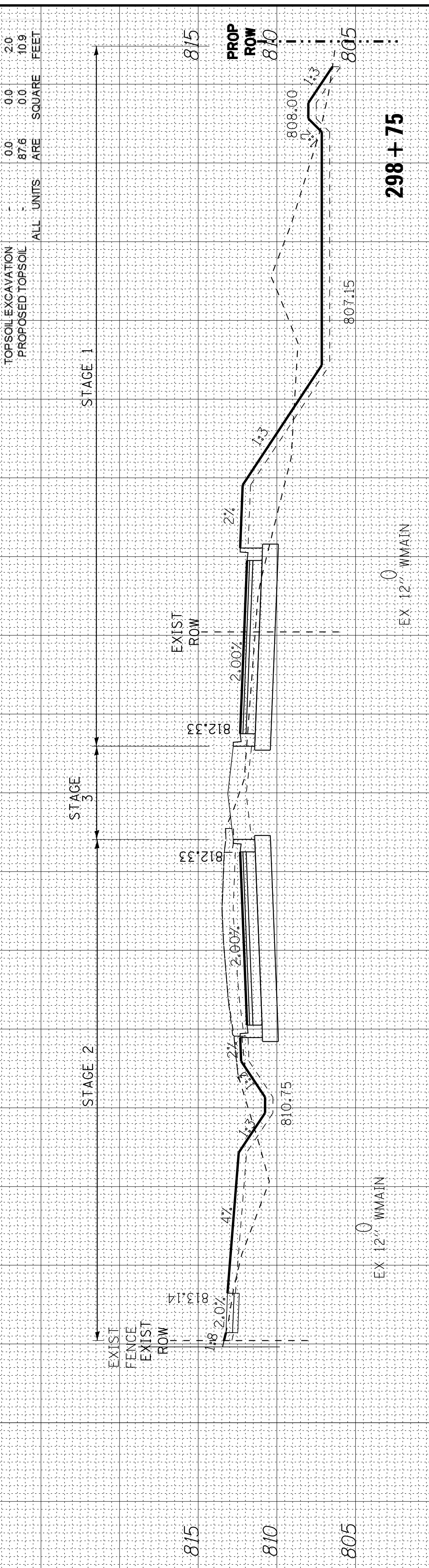
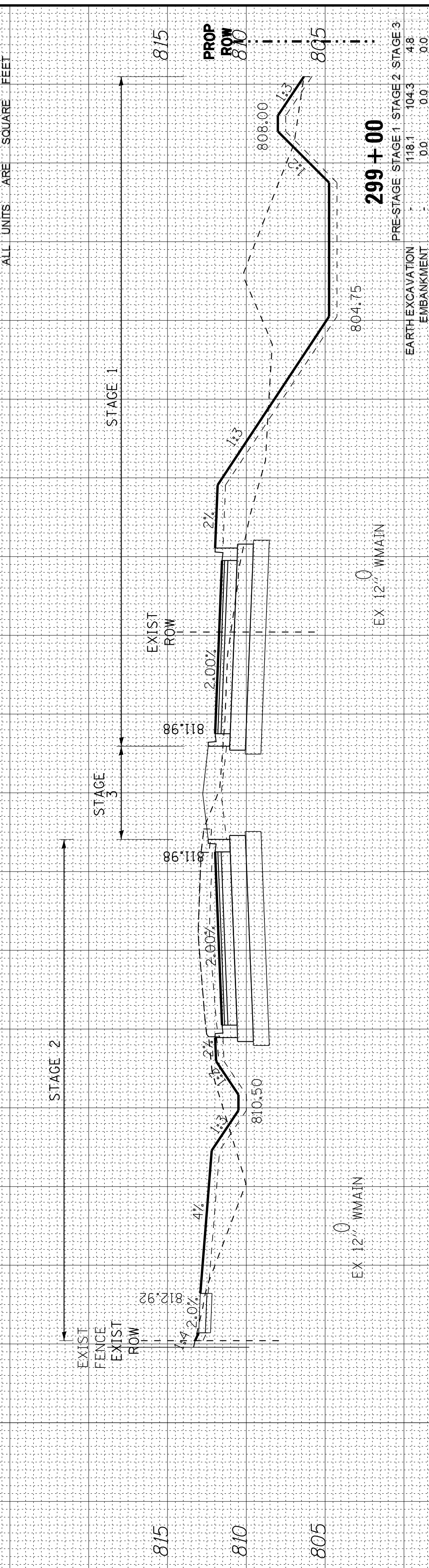
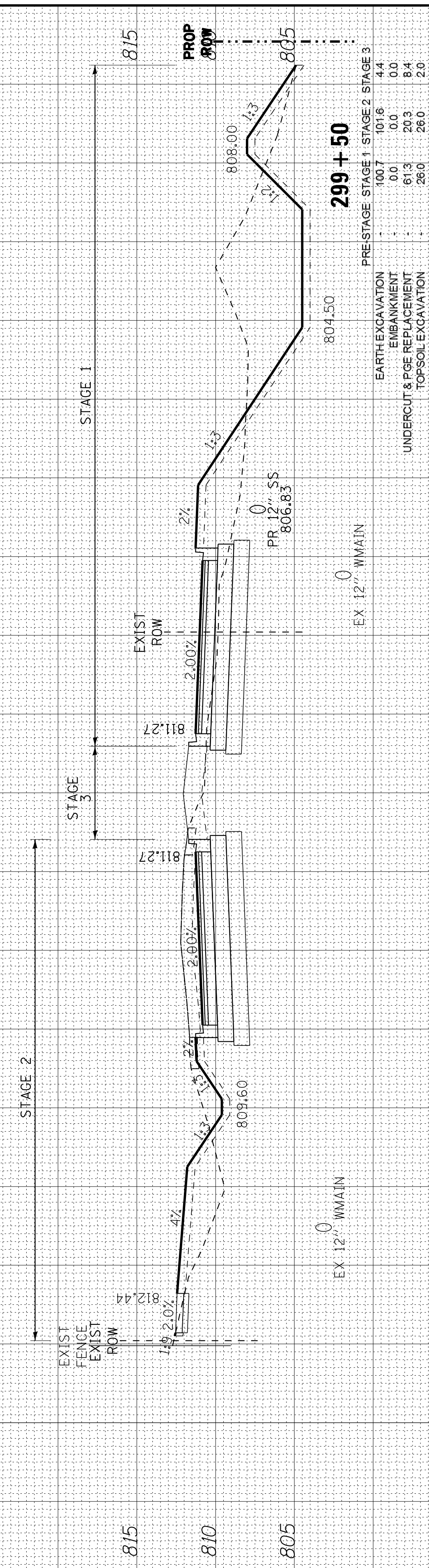
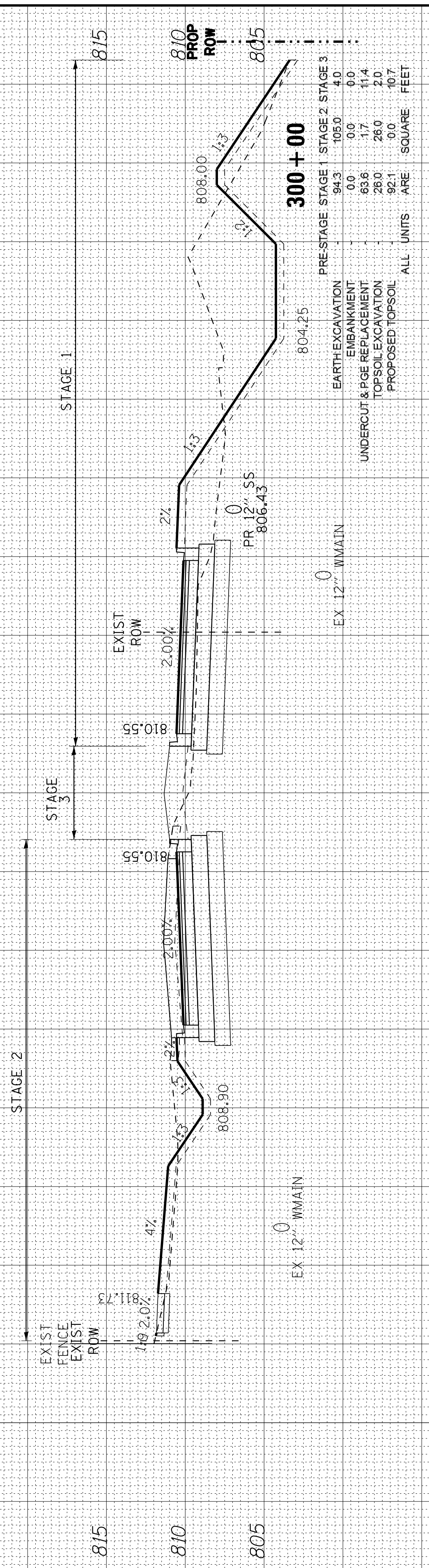
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

STA. 298+50 TO STA. 300+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	163
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



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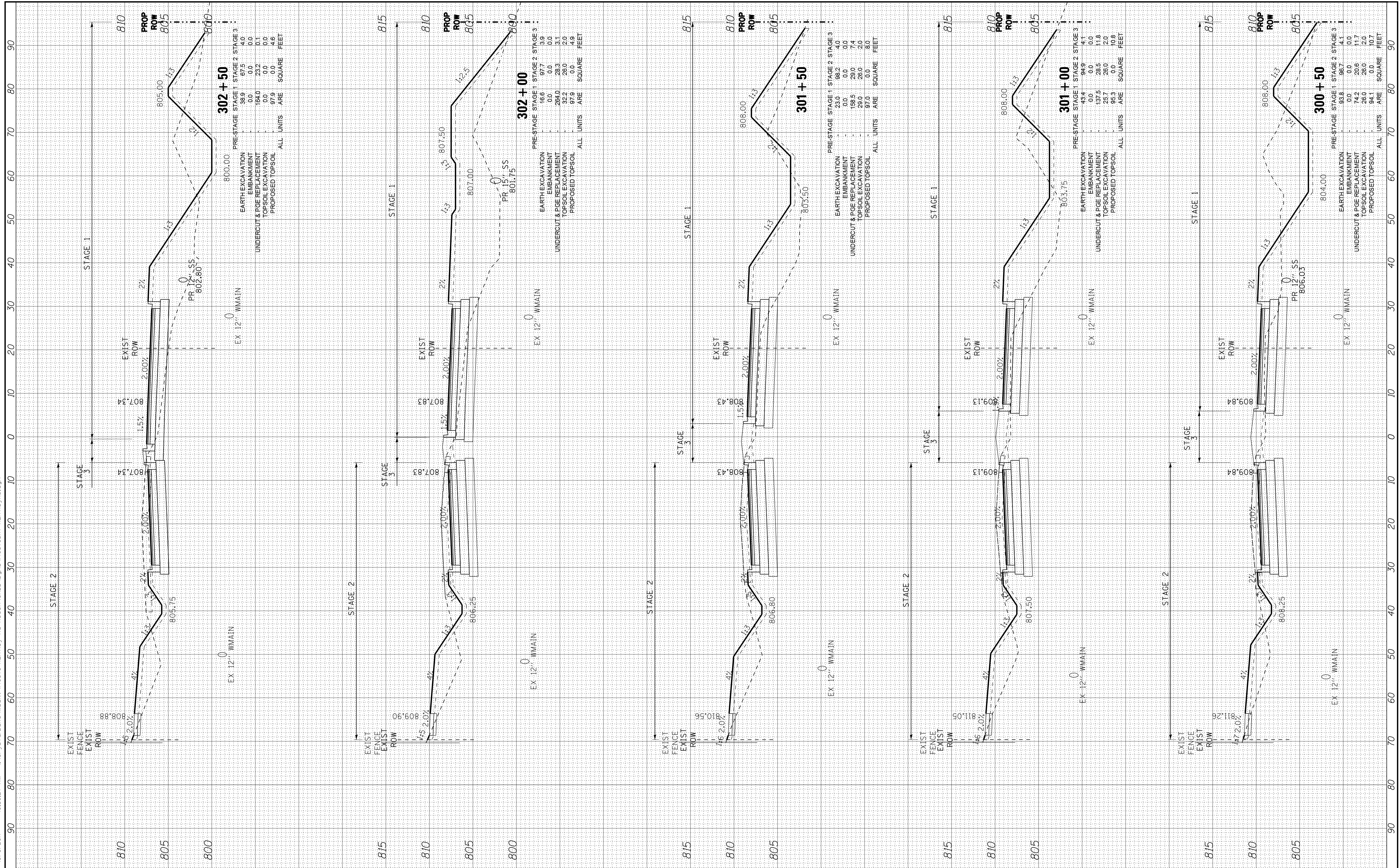
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

STA. 300+50 TO STA. 302+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	164
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



302+50

PRE-STAGE	STAGE 1	STAGE 2	STAGE 3
EARTH EXCAVATION	38.9	67.5	4.0
EMBANKMENT	0.0	0.0	0.0
UNDERCUT & PGE REPLACEMENT	164.0	23.2	0.1
TOPSOIL EXCAVATION	0.0	0.0	0.0
PROPOSED TOPSOIL	97.9	0.0	4.6

ALL UNITS ARE SQUARE FEET

302+00

PRE-STAGE	STAGE 1	STAGE 2	STAGE 3
EARTH EXCAVATION	16.0	0.0	0.0
EMBANKMENT	0.0	0.0	0.0
UNDERCUT & PGE REPLACEMENT	284.0	28.3	3.4
TOPSOIL EXCAVATION	32.3	28.0	2.0
PROPOSED TOPSOIL	97.9	0.0	4.9

ALL UNITS ARE SQUARE FEET

301+50

PRE-STAGE	STAGE 1	STAGE 2	STAGE 3
EARTH EXCAVATION	23.0	88.2	4.0
EMBANKMENT	0.0	0.0	0.0
UNDERCUT & PGE REPLACEMENT	156.5	29.0	7.4
TOPSOIL EXCAVATION	29.0	28.0	2.0
PROPOSED TOPSOIL	97.0	0.0	8.0

ALL UNITS ARE SQUARE FEET

301+00

PRE-STAGE	STAGE 1	STAGE 2	STAGE 3
EARTH EXCAVATION	43.7	84.9	4.1
EMBANKMENT	0.0	0.0	0.0
UNDERCUT & PGE REPLACEMENT	137.5	28.5	11.8
TOPSOIL EXCAVATION	25.7	28.0	2.0
PROPOSED TOPSOIL	95.3	0.0	10.8

ALL UNITS ARE SQUARE FEET

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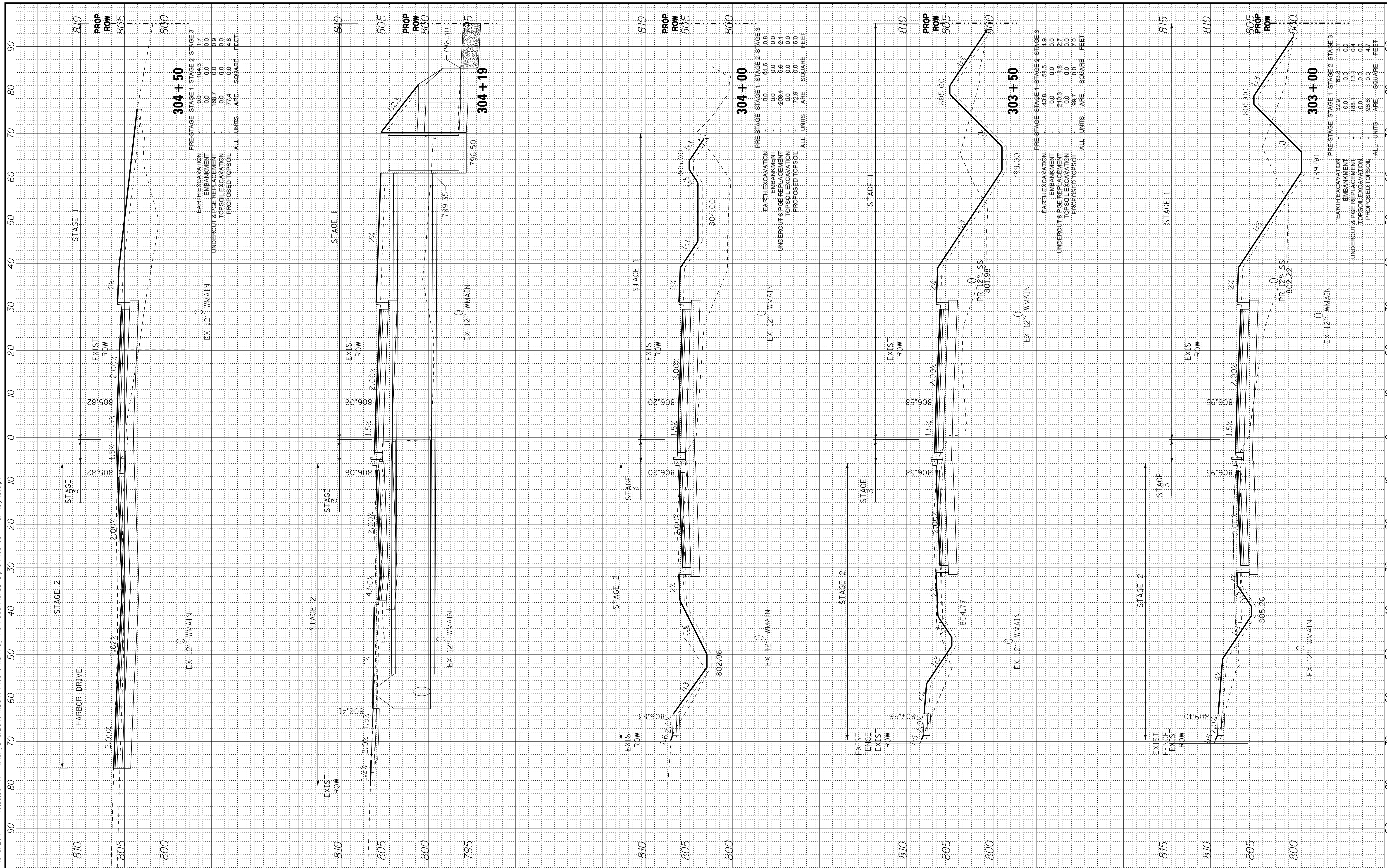
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

STA. 303+00 TO STA. 304+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	165
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



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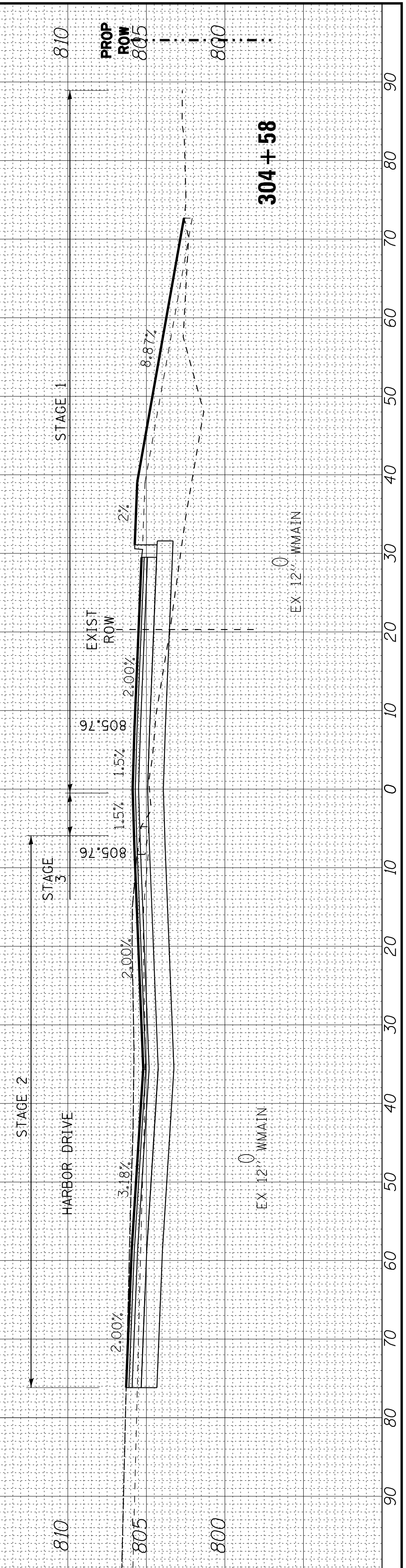
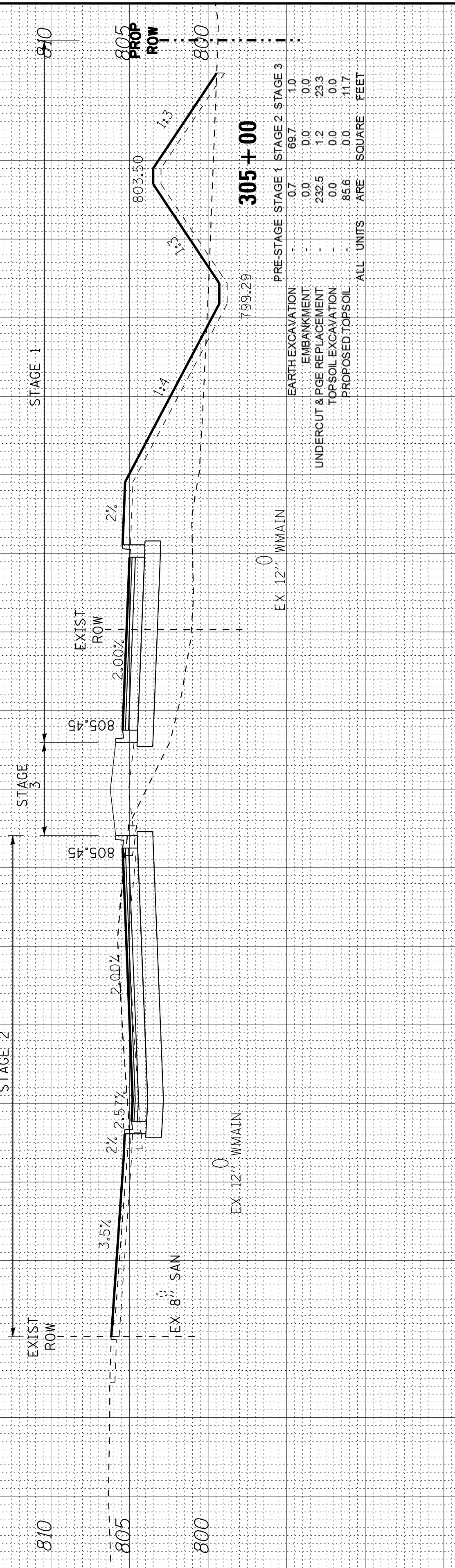
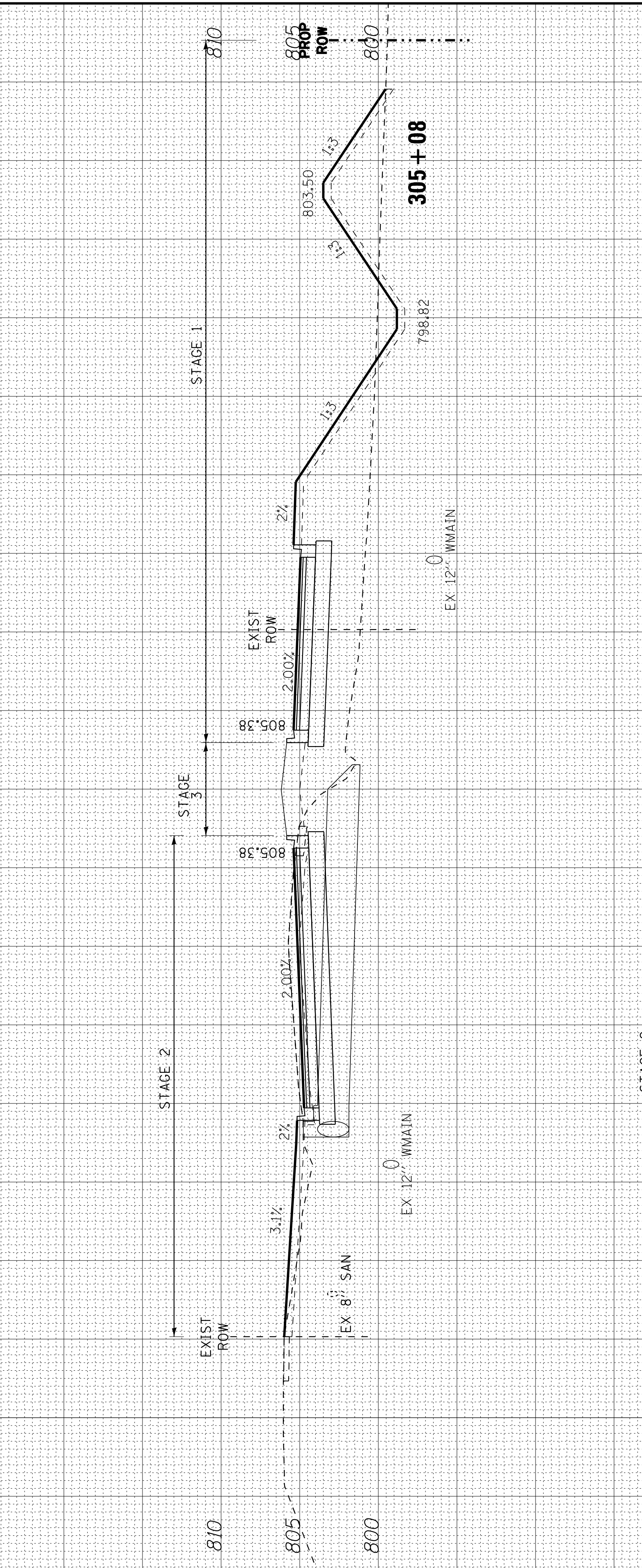
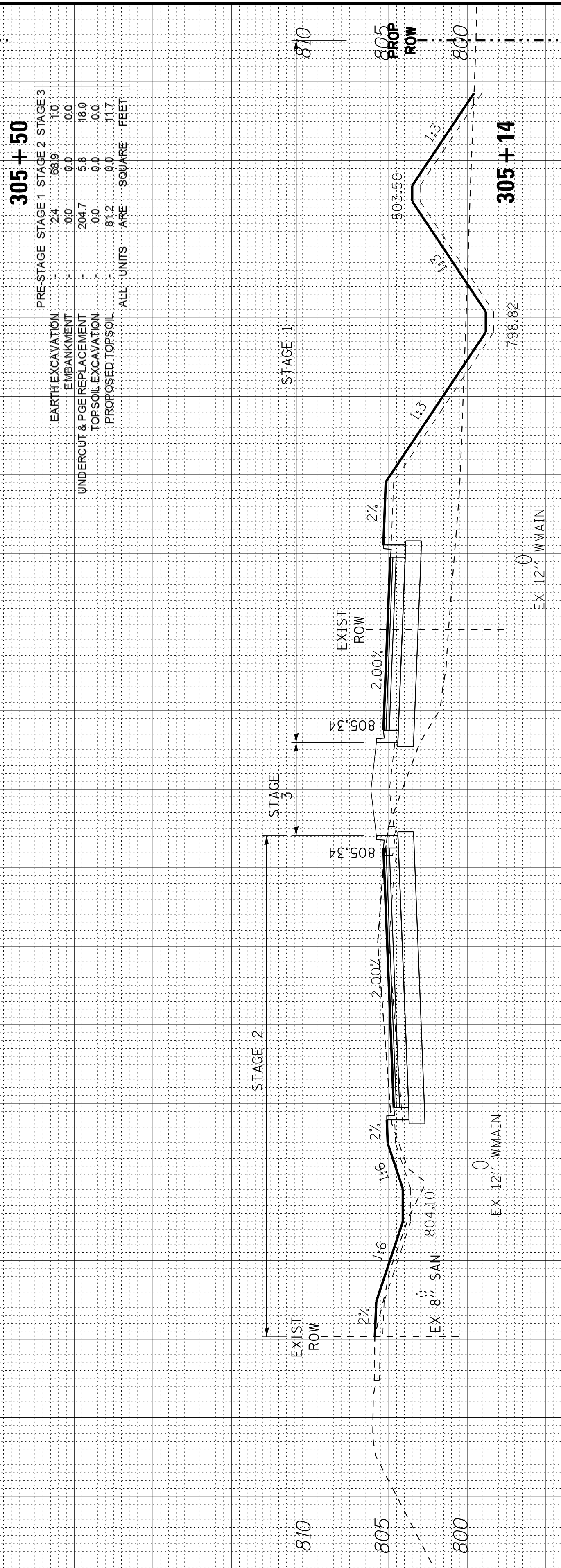
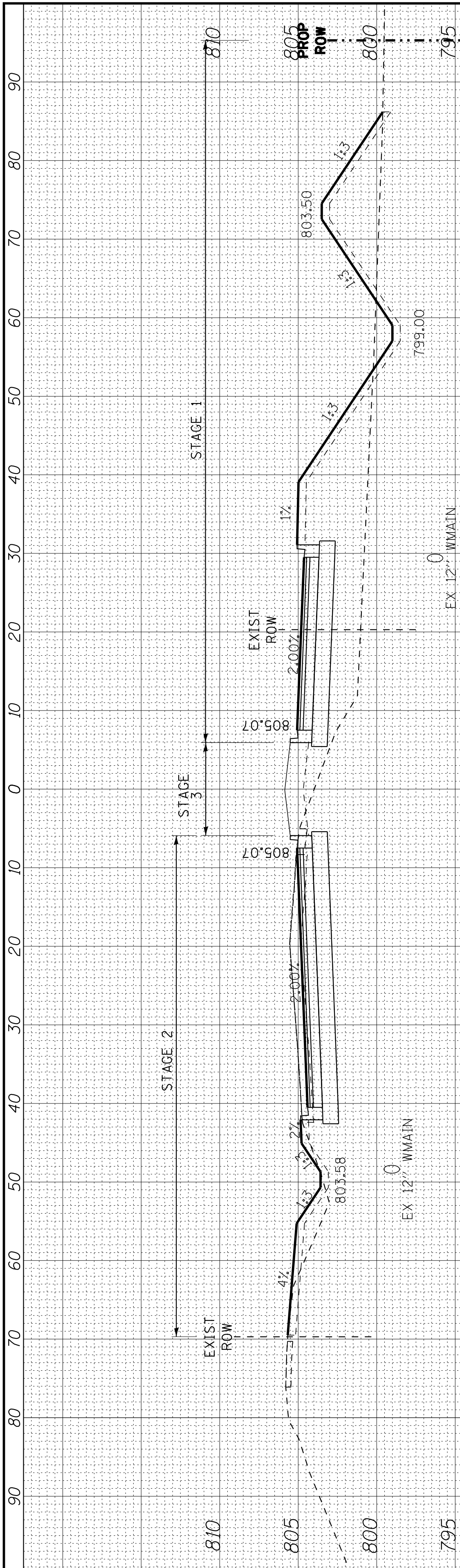
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

STA. 304+58 TO STA. 305+50

F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	166
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



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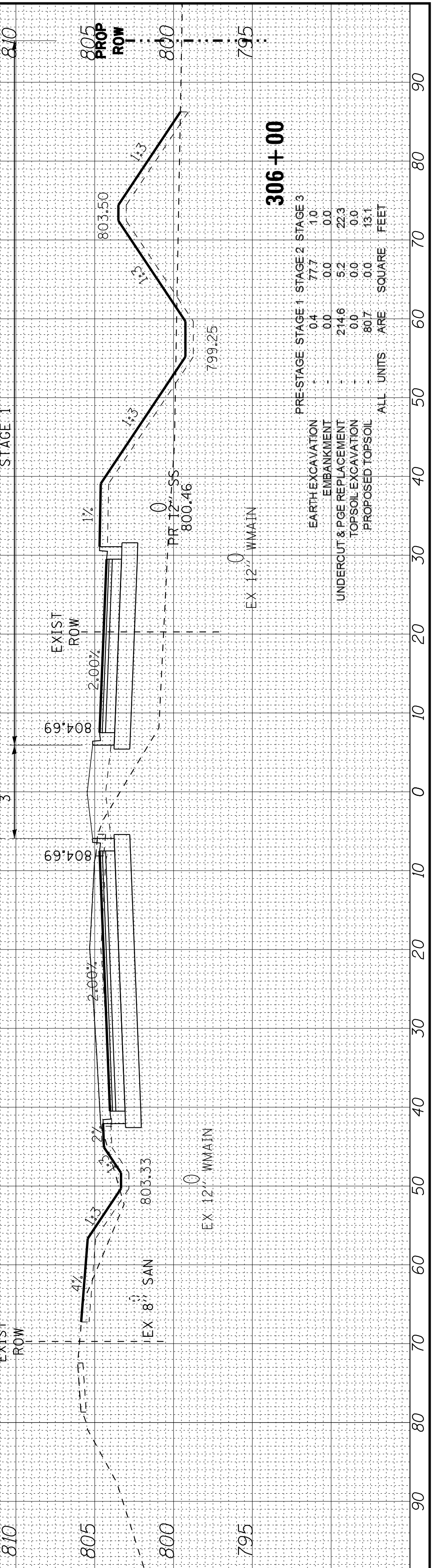
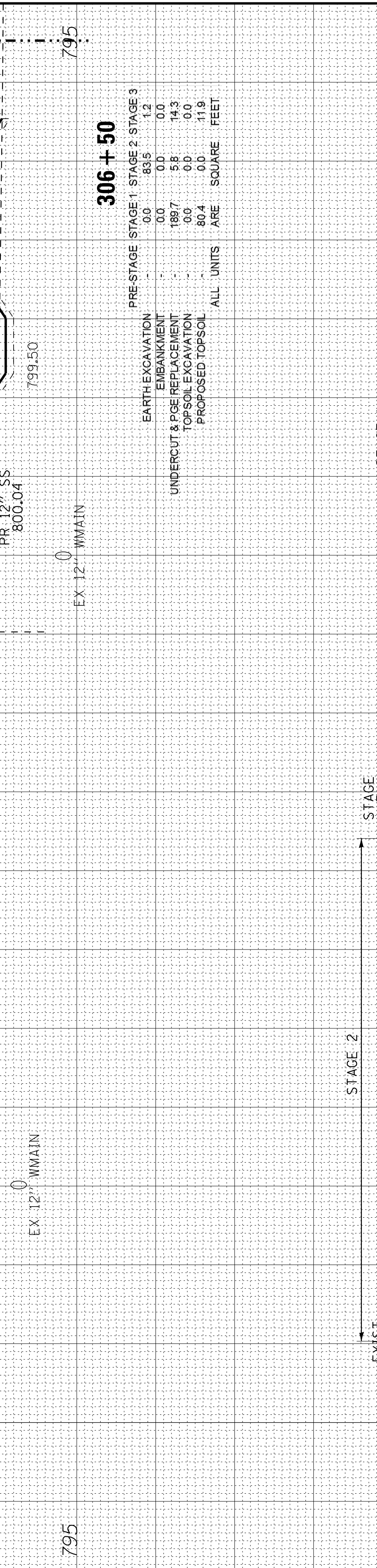
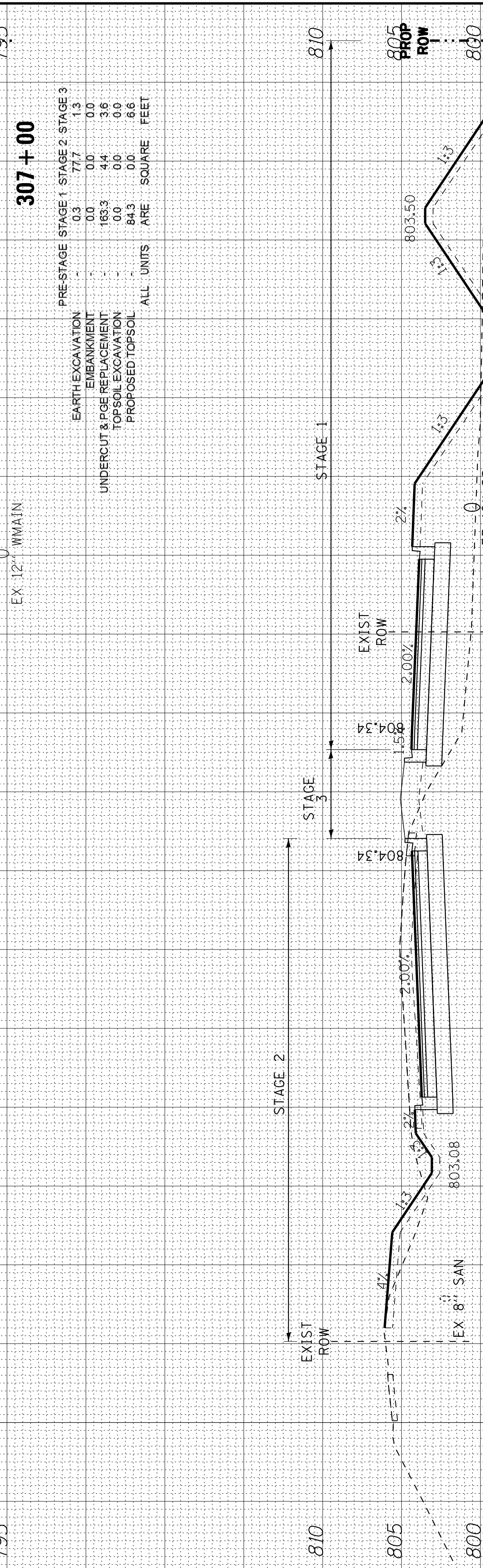
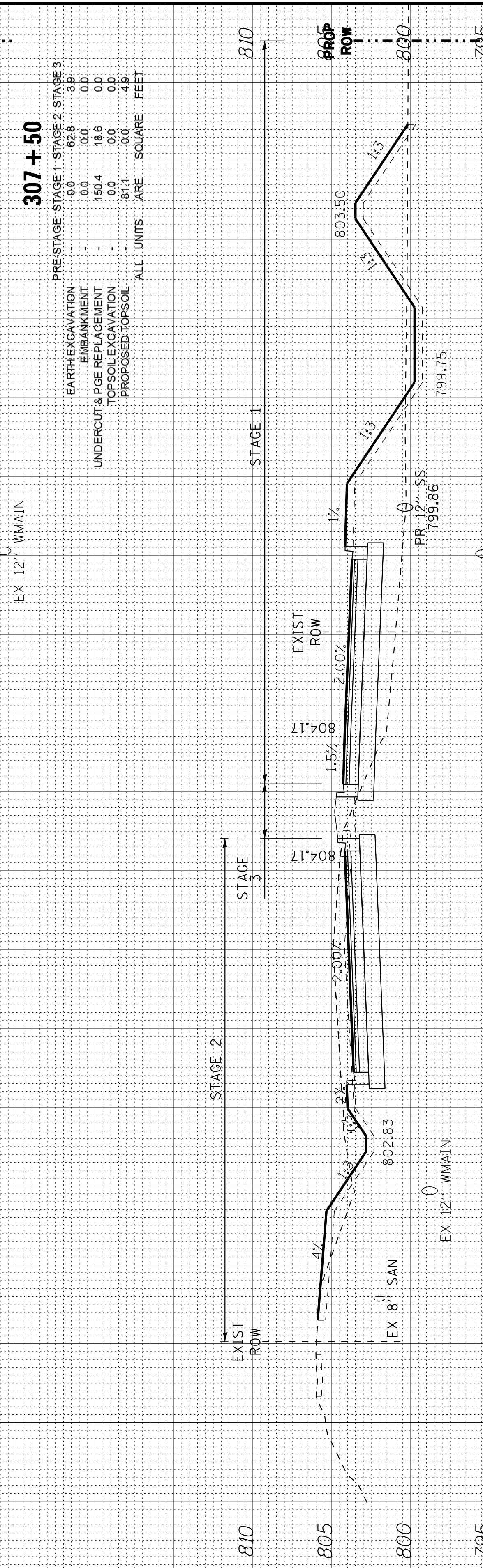
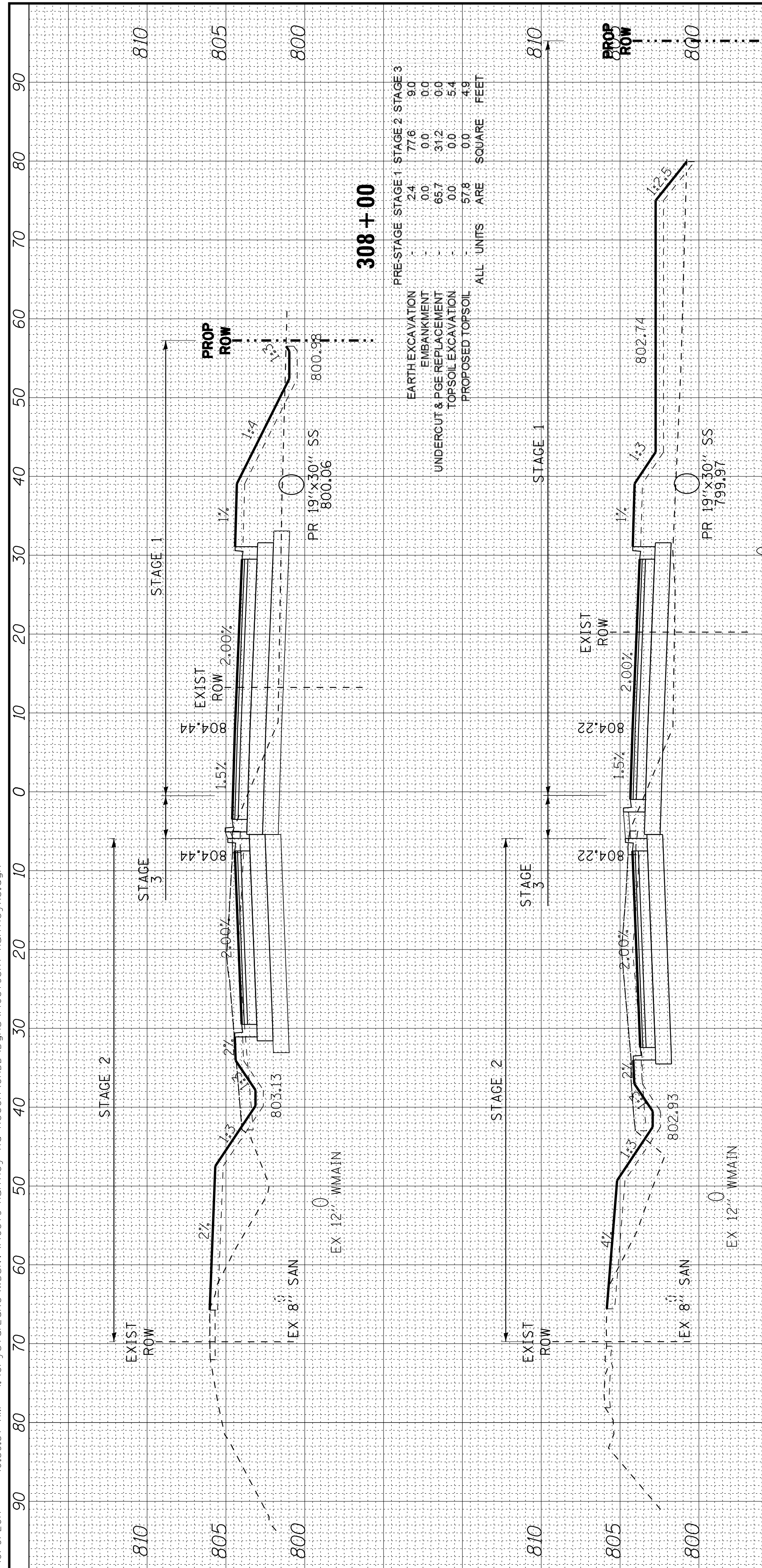
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 HUNTLEY ROAD**

SCALE: H: 1"=10' V: 1"=5'

STA. 306+00 TO STA. 308+00

F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	167
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	



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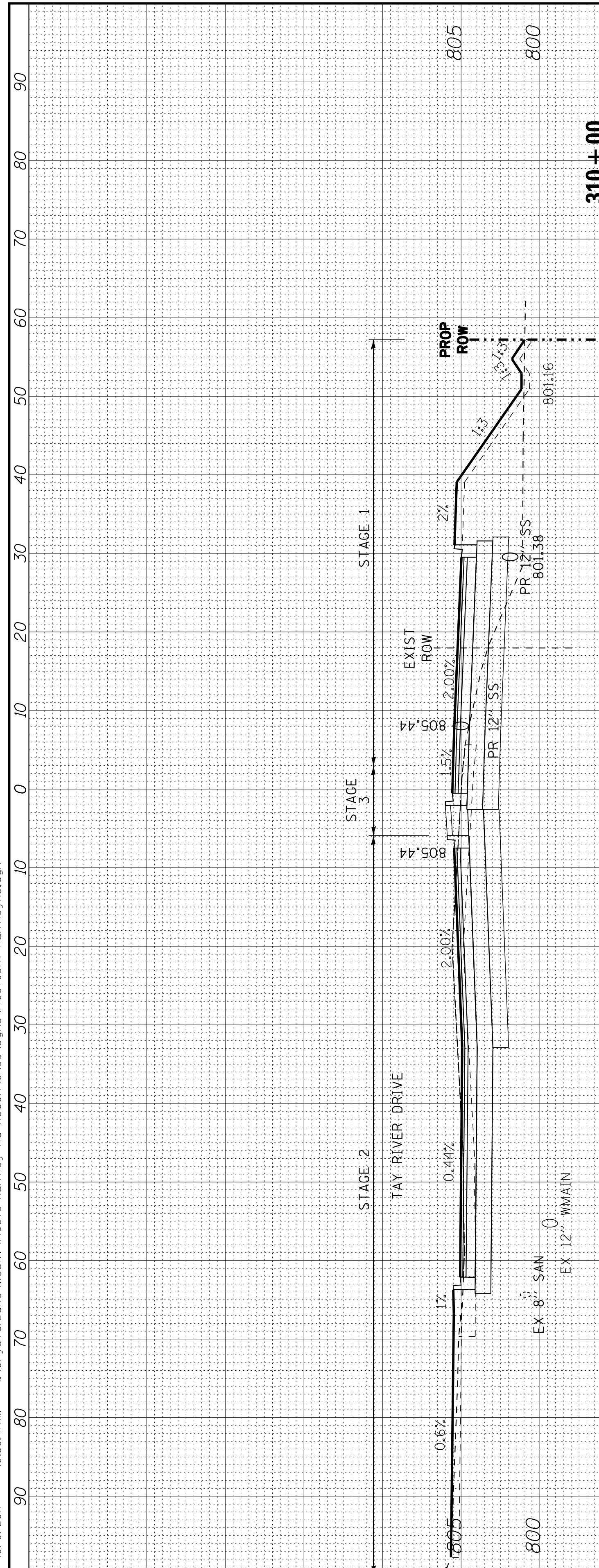
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 HUNTLEY ROAD**

SCALE: H: 1"=10' V: 1"=5'

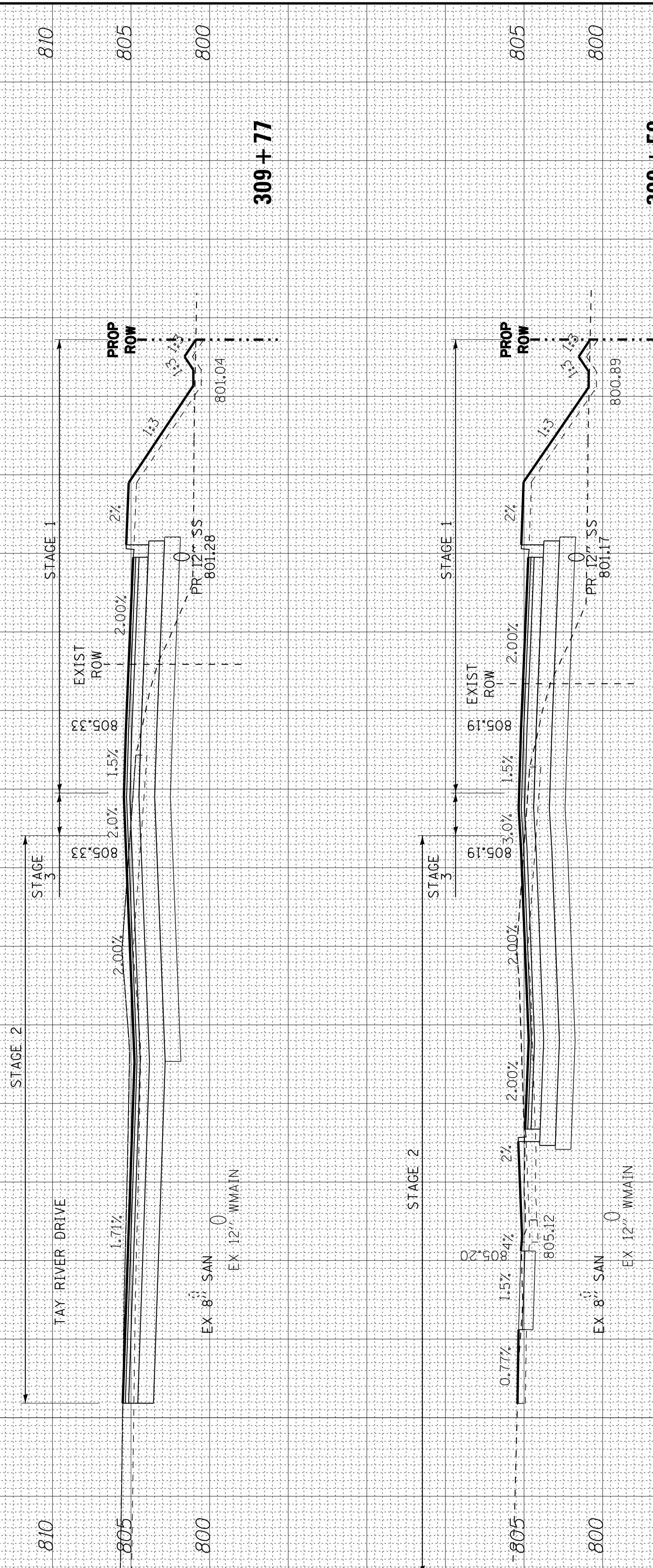
STA. 308+50 TO STA. 310+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	168
CONTRACT NO. 61C86			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)	



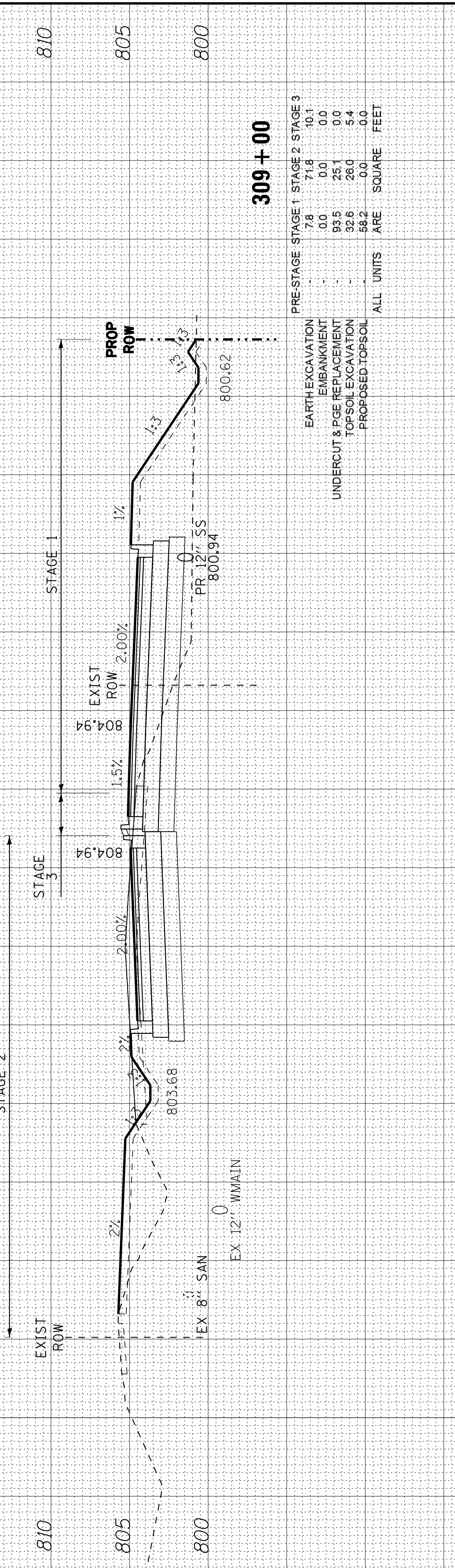
310 + 00

EARTH EXCAVATION	12.0	110.9	16.4
EMBANKMENT	0.0	0.0	0.0
UNDERCUT & PGE REPLACEMENT	89.6	5.2	0.0
TOPSOIL EXCAVATION	29.1	26.9	8.9
PROPOSED TOPSOIL	52.8	0.0	0.0
ALL UNITS	ARE	SQUARE	FEET



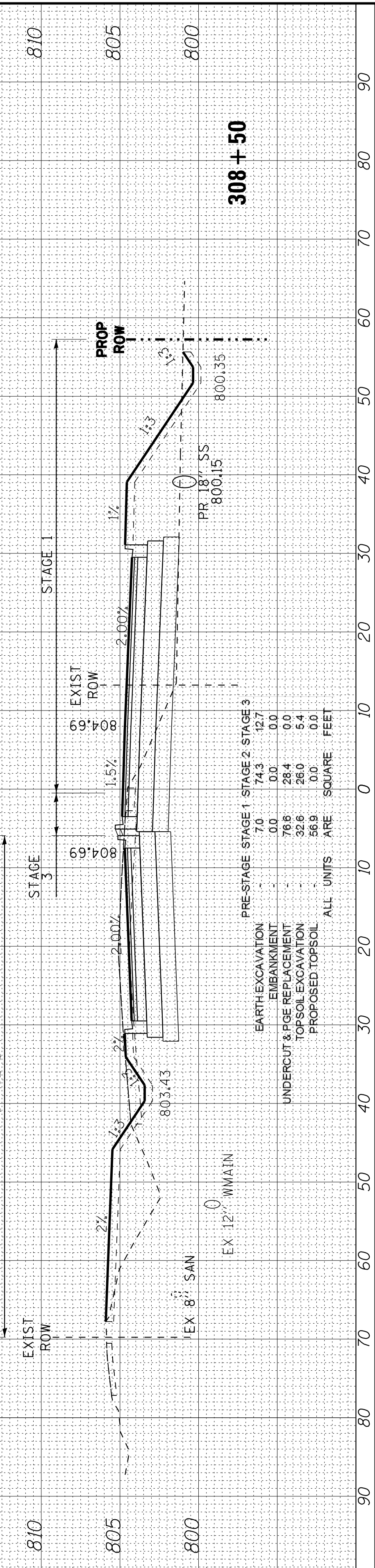
309 + 77

EARTH EXCAVATION	13.7	112.1	9.7
EMBANKMENT	0.0	0.0	0.0
UNDERCUT & PGE REPLACEMENT	93.8	8.0	0.0
TOPSOIL EXCAVATION	32.6	40.0	5.4
PROPOSED TOPSOIL	55.7	0.0	0.0
ALL UNITS	ARE	SQUARE	FEET



309 + 50

EARTH EXCAVATION	13.7	112.1	9.7
EMBANKMENT	0.0	0.0	0.0
UNDERCUT & PGE REPLACEMENT	93.8	8.0	0.0
TOPSOIL EXCAVATION	32.6	40.0	5.4
PROPOSED TOPSOIL	55.7	0.0	0.0
ALL UNITS	ARE	SQUARE	FEET



308 + 50

EARTH EXCAVATION	7.0	74.3	12.7
EMBANKMENT	0.0	0.0	0.0
UNDERCUT & PGE REPLACEMENT	76.8	28.4	0.0
TOPSOIL EXCAVATION	32.6	26.0	5.4
PROPOSED TOPSOIL	56.9	0.0	0.0
ALL UNITS	ARE	SQUARE	FEET

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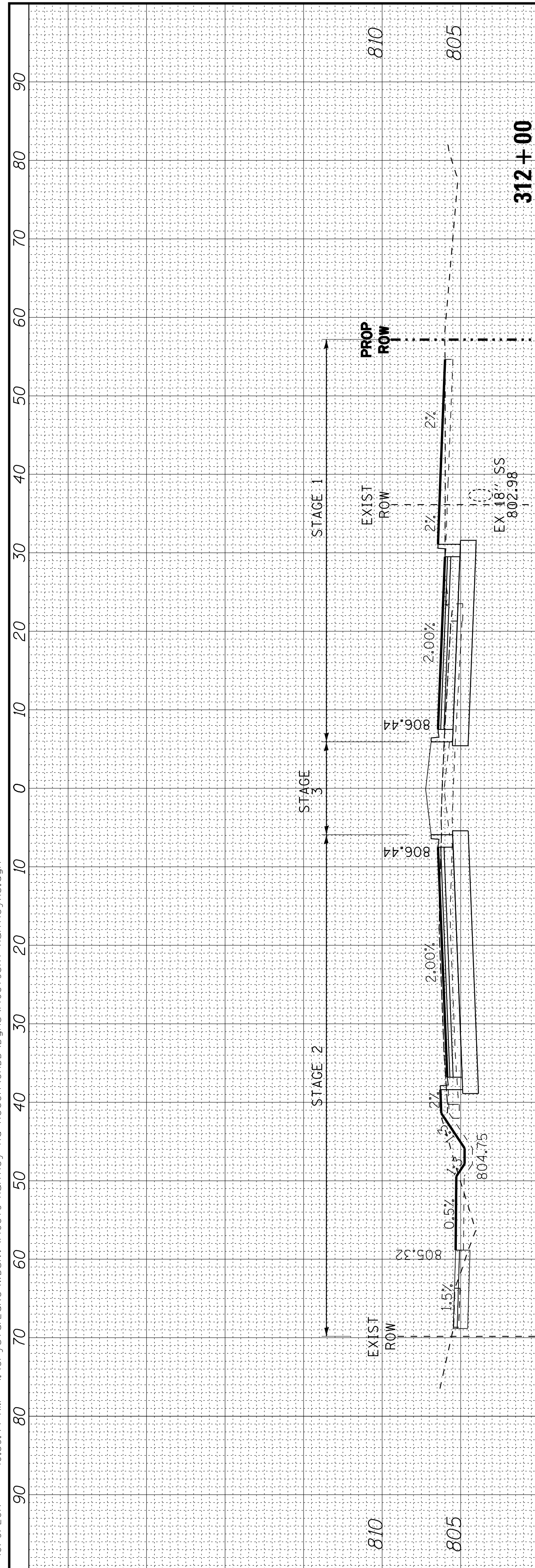
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DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

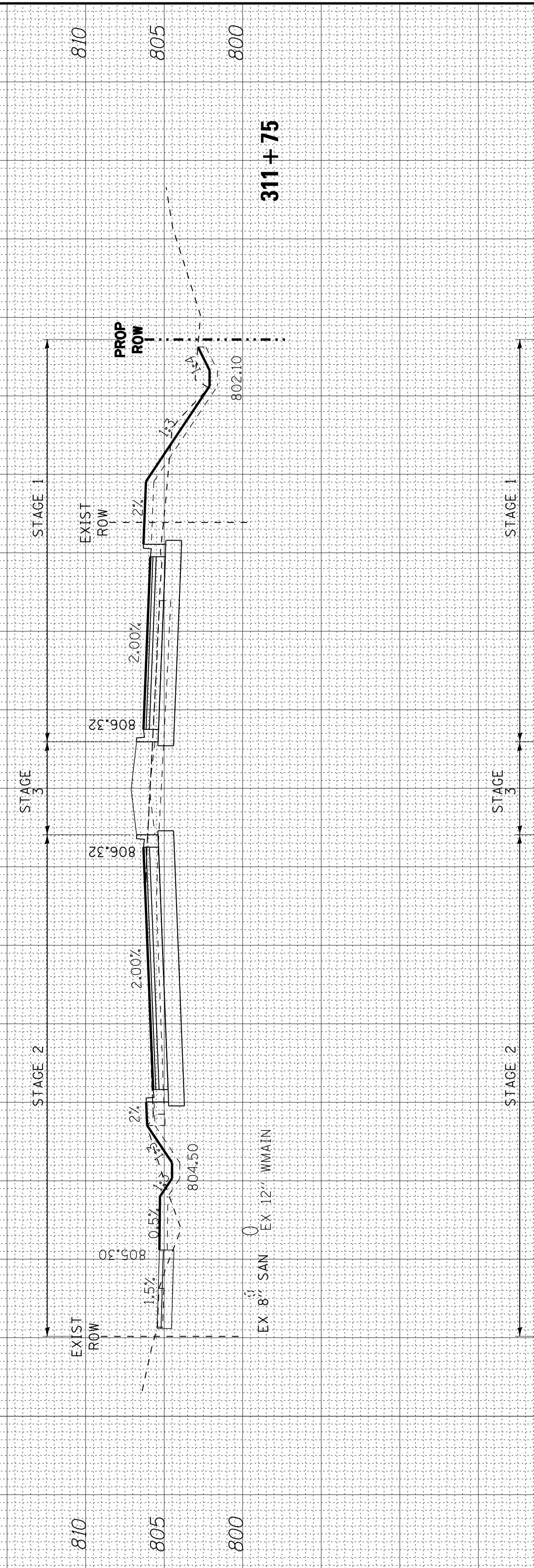
STA. 310+50 TO STA. 312+00

F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	169
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



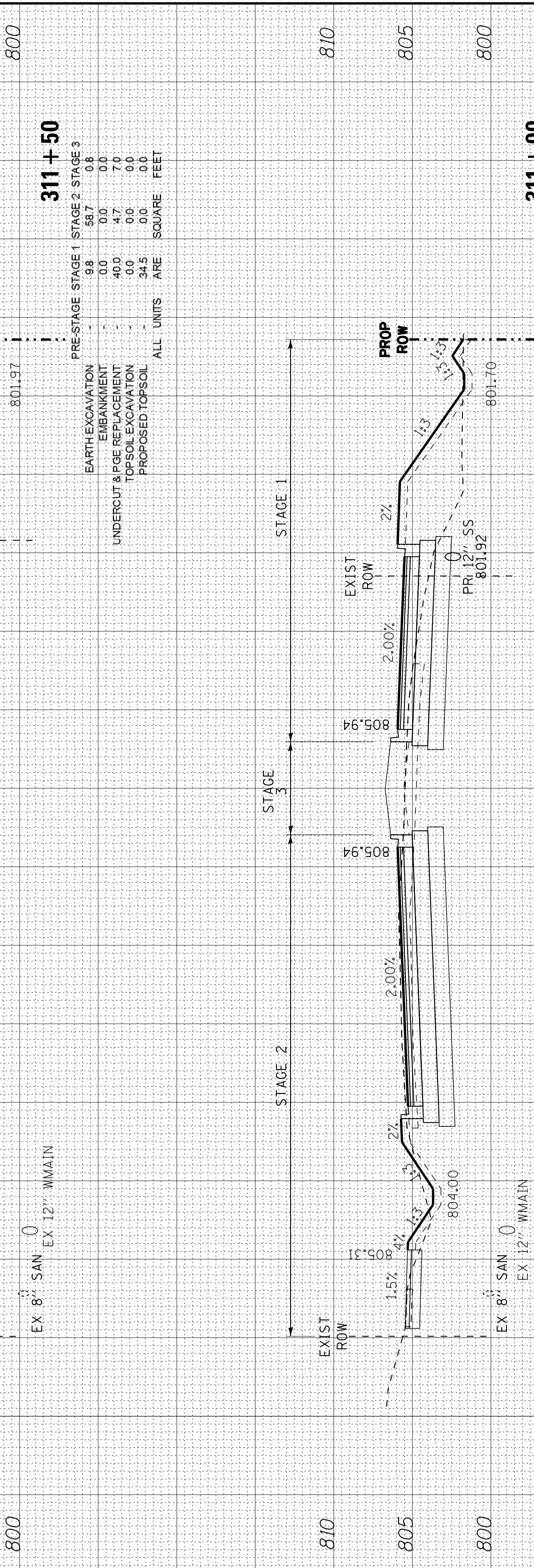
ALL UNITS ARE SQUARE FEET	STAGE 1	STAGE 2	STAGE 3
EARTH EXCAVATION	20.3	58.2	0.9
EMBANKMENT	0.0	0.0	0.0
UNDERCUT & PGE REPLACEMENT	17.3	5.4	5.0
TOPSOIL EXCAVATION	0.0	0.0	0.0
PROPOSED TOPSOIL	31.2	0.0	0.0

EX 8" SAN EX 12" MMWAIN



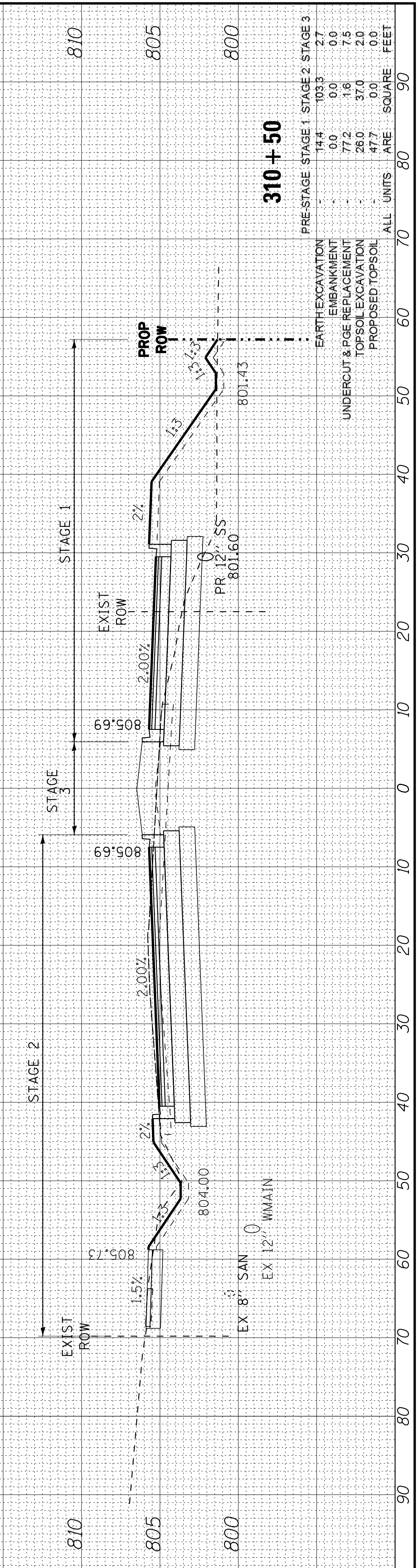
ALL UNITS ARE SQUARE FEET	STAGE 1	STAGE 2	STAGE 3
EARTH EXCAVATION	9.8	58.7	0.8
EMBANKMENT	0.0	0.0	0.0
UNDERCUT & PGE REPLACEMENT	4.0	4.7	7.0
TOPSOIL EXCAVATION	0.0	0.0	0.0
PROPOSED TOPSOIL	34.5	0.0	0.0

EX 8" SAN EX 12" MMWAIN



ALL UNITS ARE SQUARE FEET	STAGE 1	STAGE 2	STAGE 3
EARTH EXCAVATION	24.5	98.6	2.7
EMBANKMENT	0.0	0.0	0.0
UNDERCUT & PGE REPLACEMENT	63.6	31.7	2.2
TOPSOIL EXCAVATION	28.0	0.0	0.0
PROPOSED TOPSOIL	76.4	0.0	0.0

EX 8" SAN EX 12" MMWAIN



ALL UNITS ARE SQUARE FEET	STAGE 1	STAGE 2	STAGE 3
EARTH EXCAVATION	14.4	105.3	2.7
EMBANKMENT	0.0	0.0	0.0
UNDERCUT & PGE REPLACEMENT	77.2	1.6	7.5
TOPSOIL EXCAVATION	28.0	0.0	0.0
PROPOSED TOPSOIL	47.7	0.0	0.0

EX 8" SAN EX 12" MMWAIN

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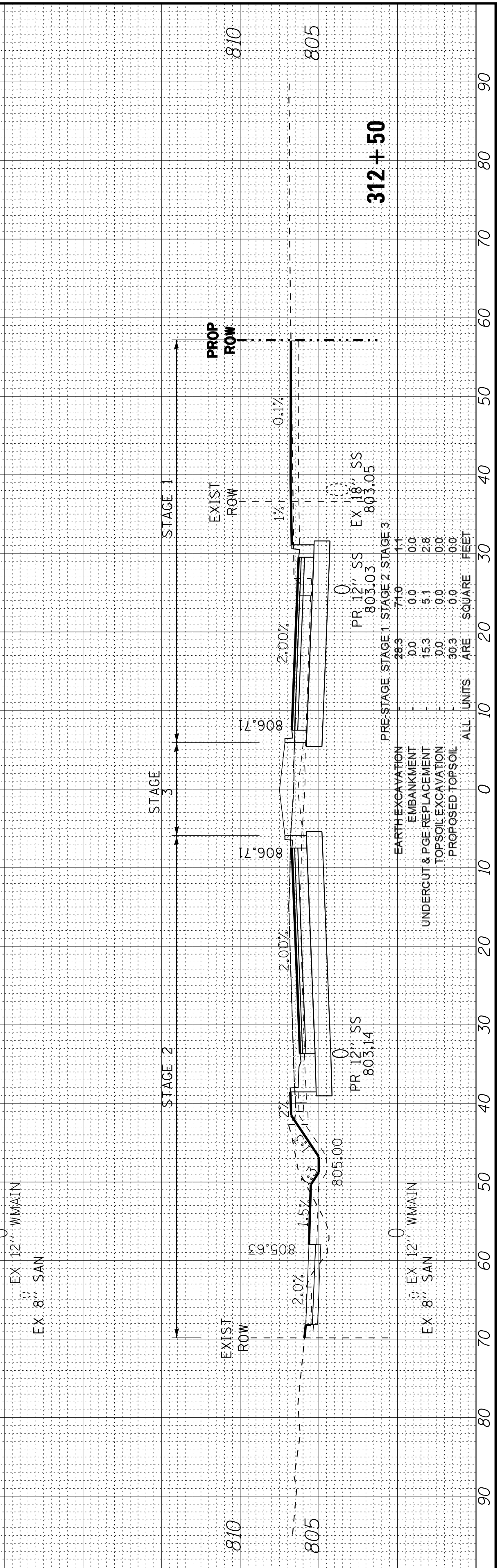
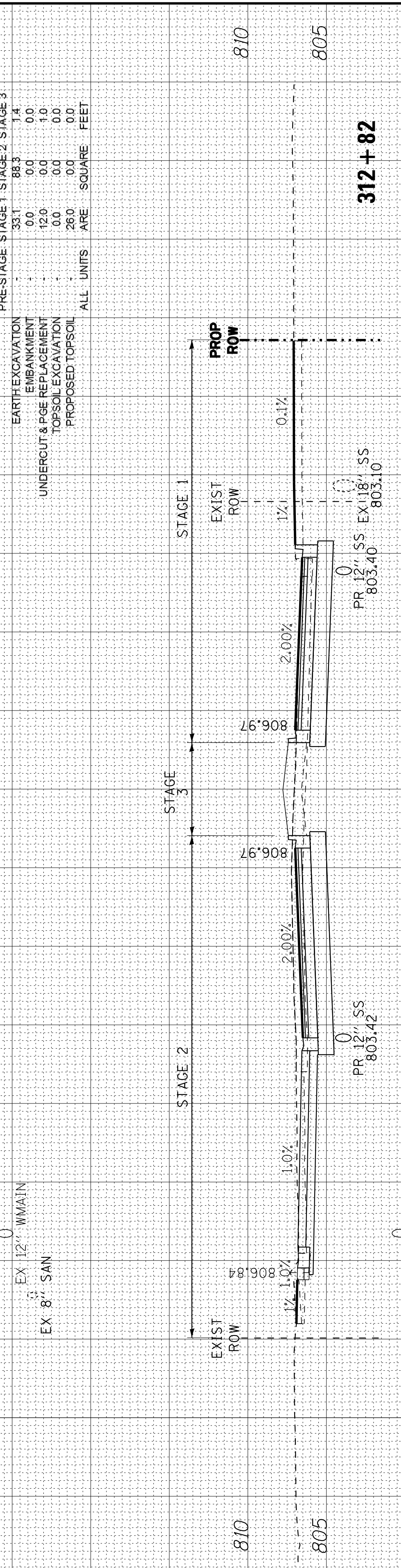
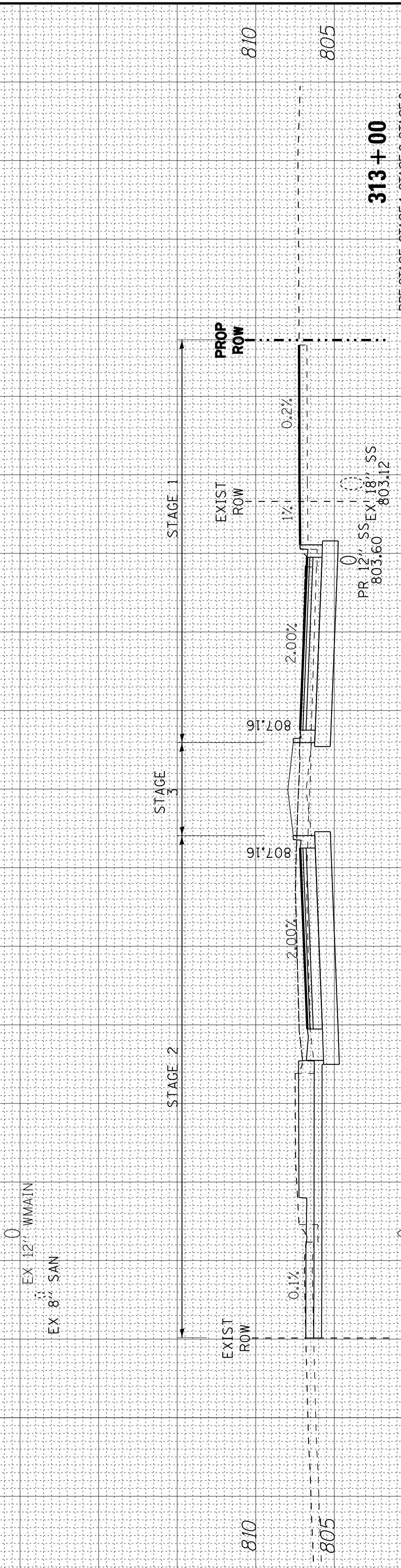
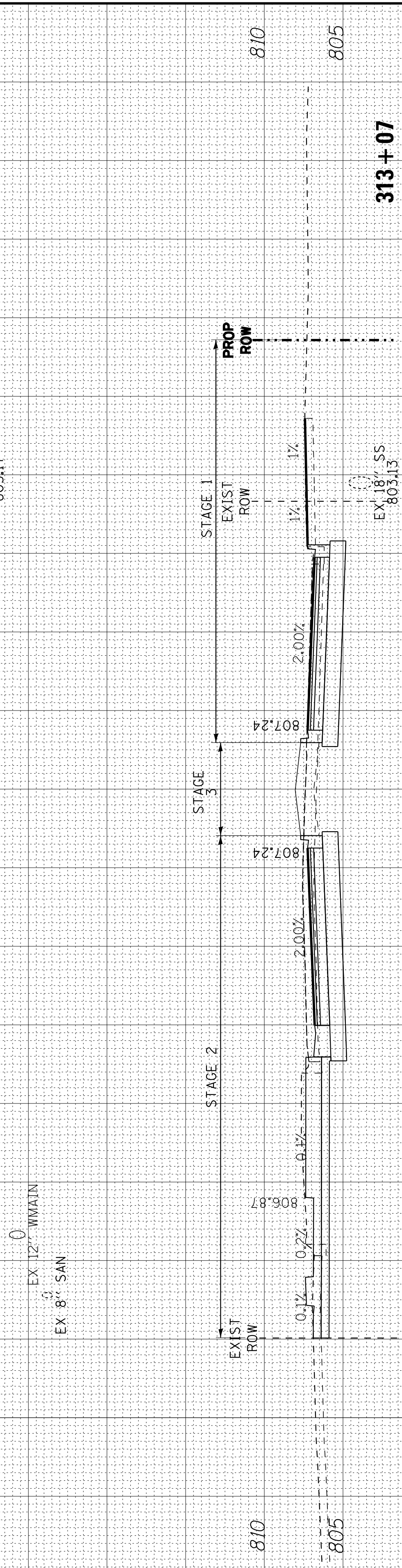
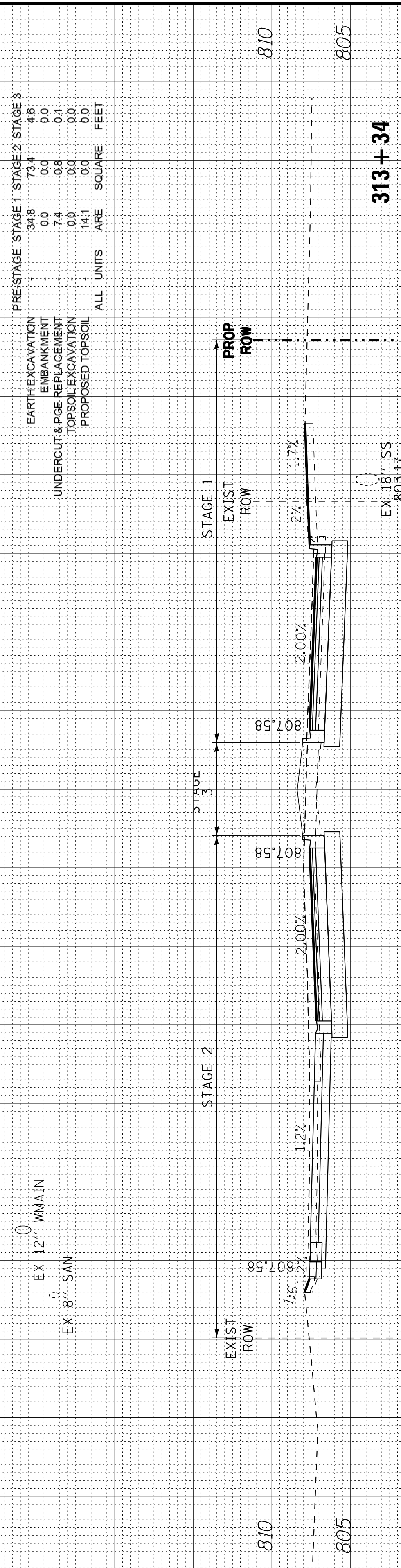
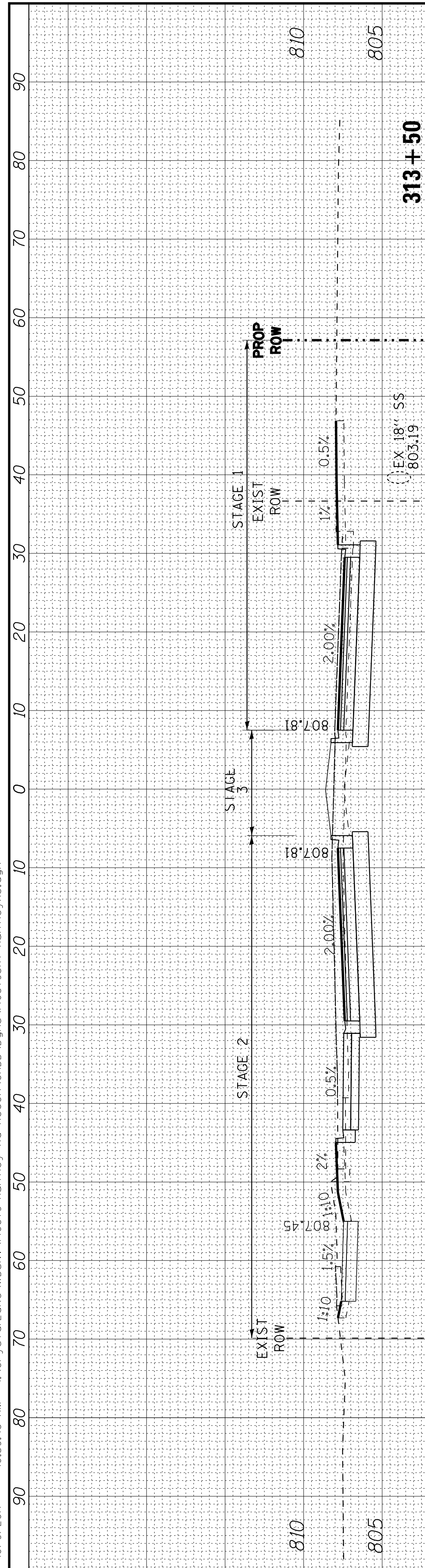
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

STA. 312+50 TO STA. 313+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	170
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



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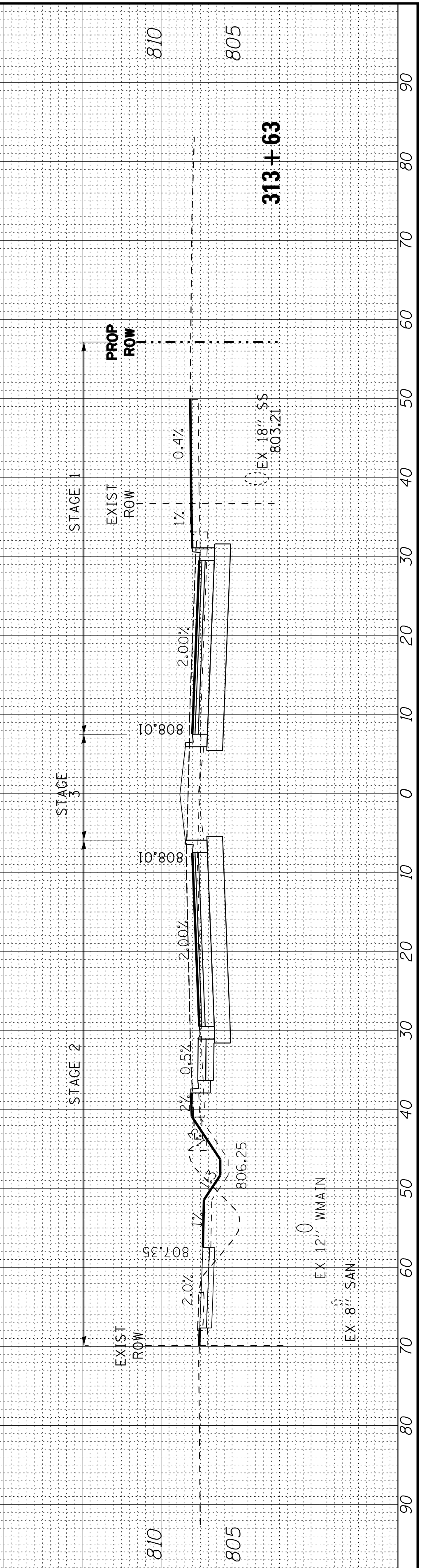
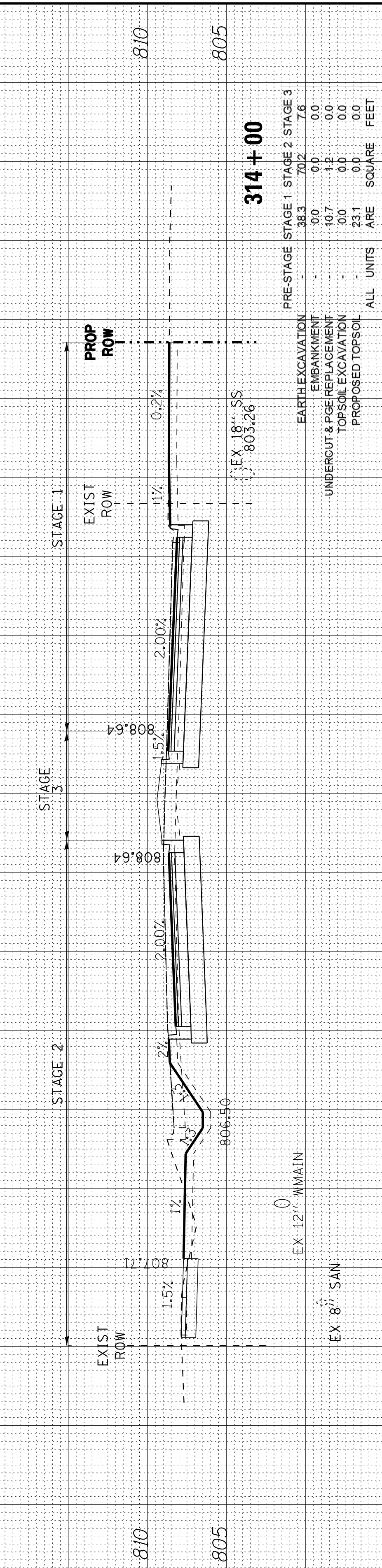
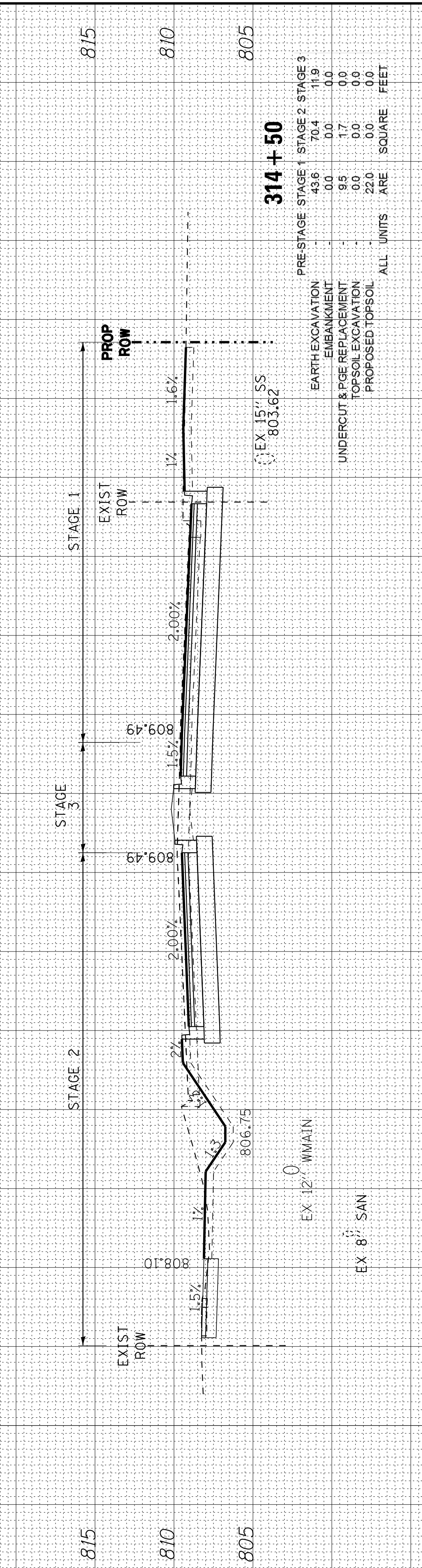
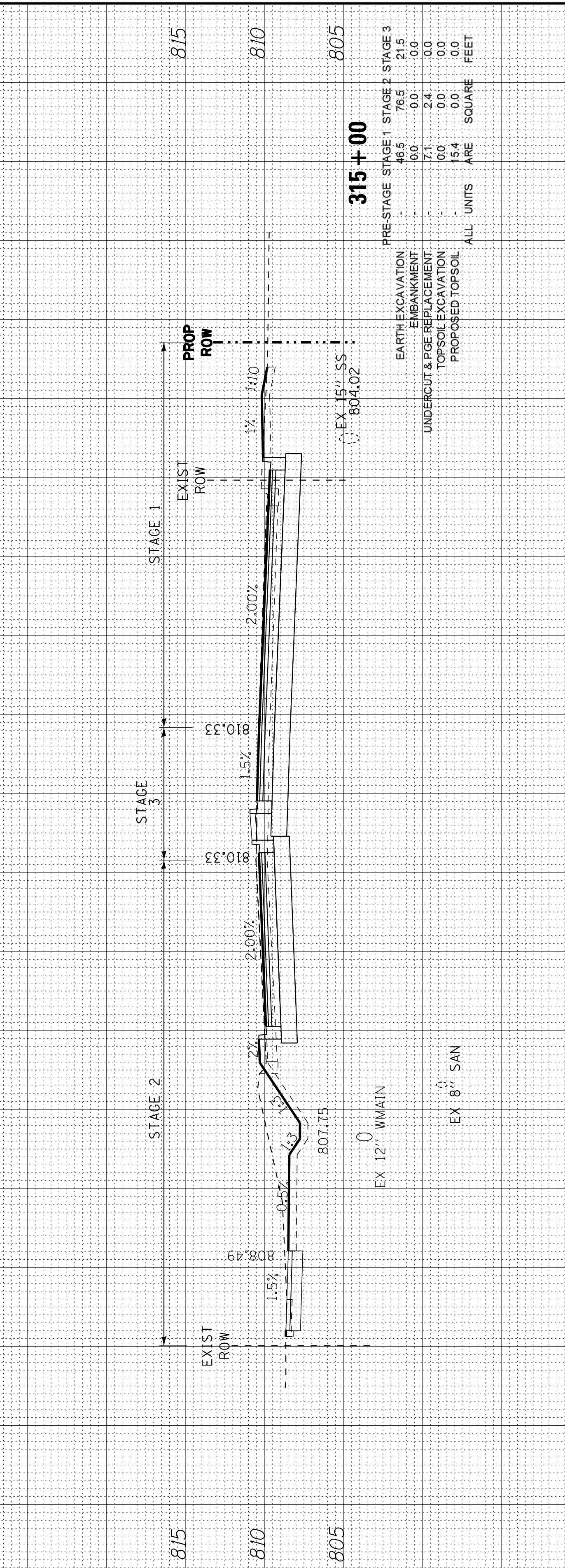
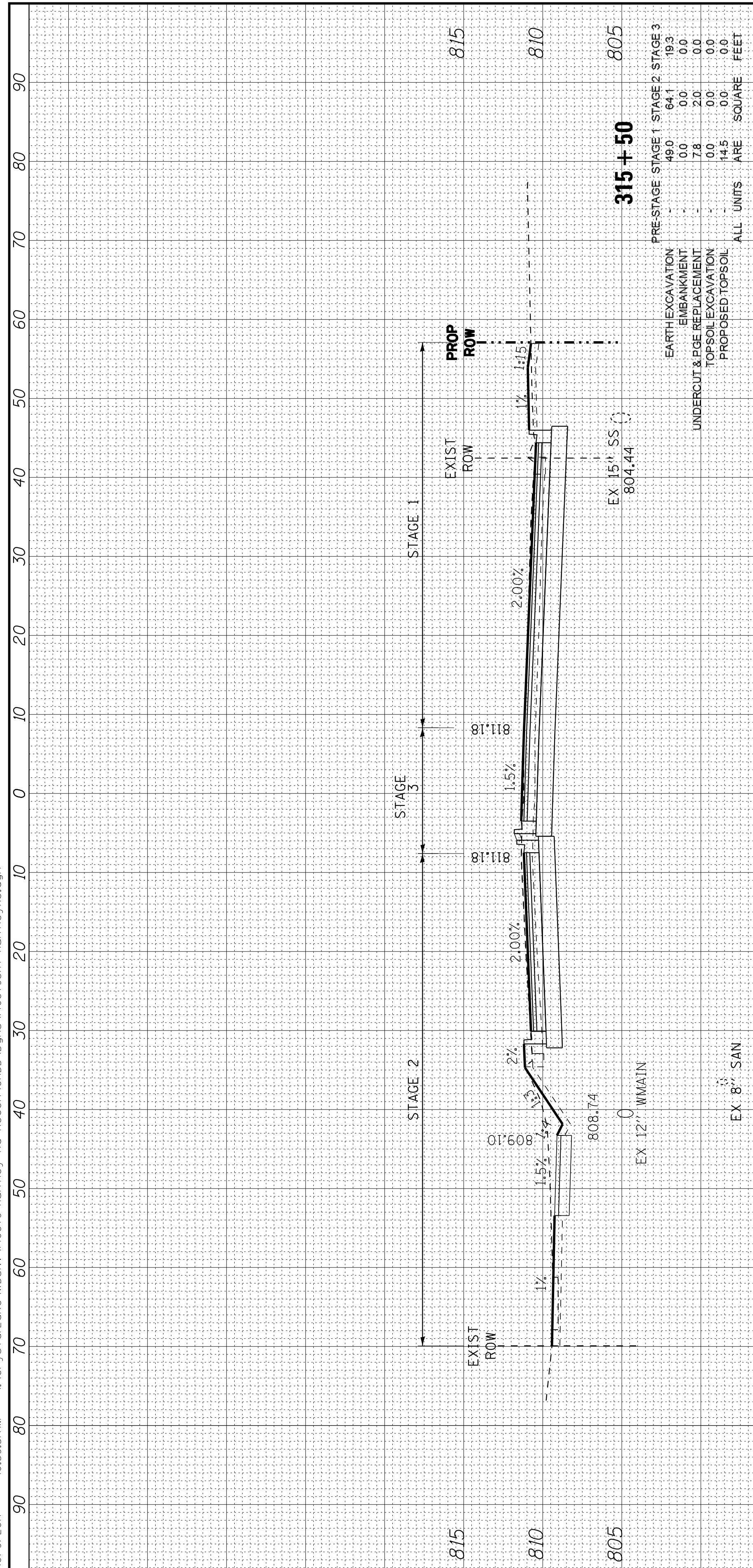
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 HUNTLEY ROAD

SCALE: H: 1"=10' V: 1"=5'

STA. 313+63 TO STA. 315+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	171
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



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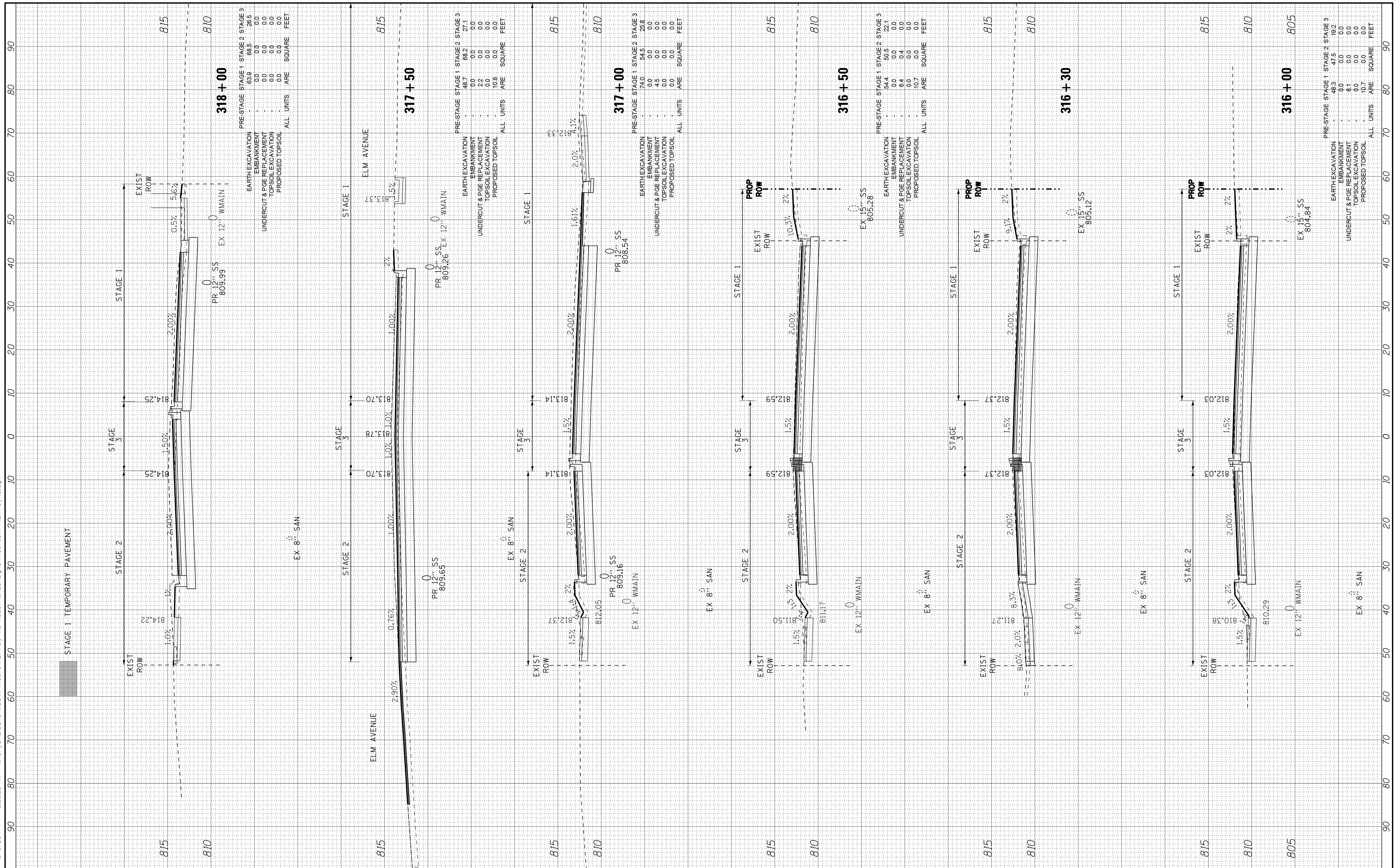
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
HUNTLEY ROAD

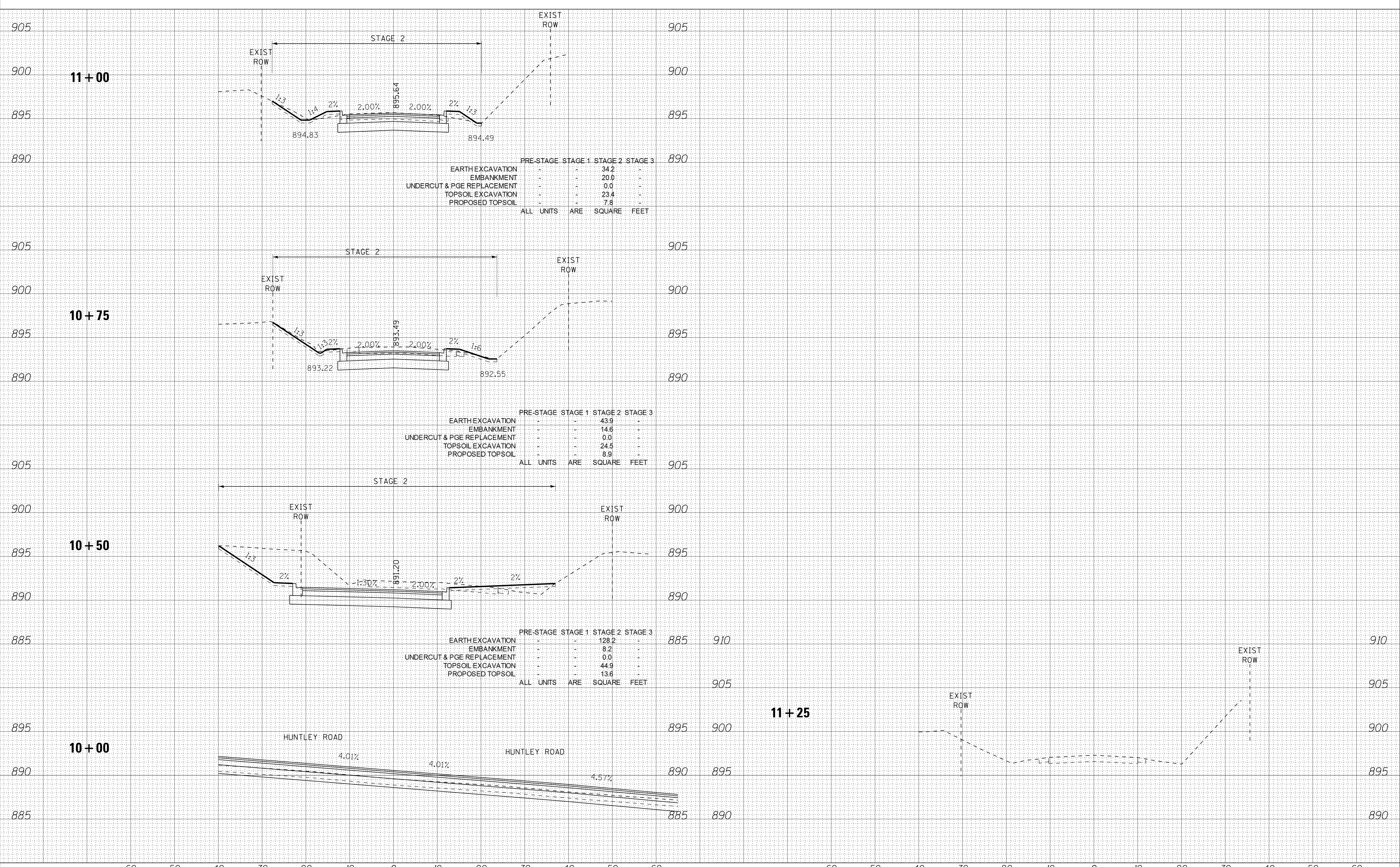
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STA. 316+00 TO STA. 318+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	172
CONTRACT NO. 61C86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)				



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	PRE-STAGE	STAGE 1	STAGE 2	STAGE 3
EARTH EXCAVATION	-	-	34.2	-
EMBANKMENT	-	-	20.0	-
UNDERCUT & PGE REPLACEMENT	-	-	0.0	-
TOPSOIL EXCAVATION	-	-	23.4	-
PROPOSED TOPSOIL	-	-	7.8	-
ALL UNITS	ARE	SQUARE	FEET	

	PRE-STAGE	STAGE 1	STAGE 2	STAGE 3
EARTH EXCAVATION	-	-	43.9	-
EMBANKMENT	-	-	14.6	-
UNDERCUT & PGE REPLACEMENT	-	-	0.0	-
TOPSOIL EXCAVATION	-	-	24.5	-
PROPOSED TOPSOIL	-	-	8.9	-
ALL UNITS	ARE	SQUARE	FEET	

	PRE-STAGE	STAGE 1	STAGE 2	STAGE 3
EARTH EXCAVATION	-	-	128.2	-
EMBANKMENT	-	-	8.2	-
UNDERCUT & PGE REPLACEMENT	-	-	0.0	-
TOPSOIL EXCAVATION	-	-	44.9	-
PROPOSED TOPSOIL	-	-	13.6	-
ALL UNITS	ARE	SQUARE	FEET	



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DATE - 10-09-17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
RANCH ROAD**

SCALE: H: 1"=10' V: 1"=5'

STA. 10+00 TO STA. 11+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	14-00057-00-WR	KANE	173	173
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(447)			CONTRACT NO. 61C86	