

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

RANDOLPH STREET (FAU 8417) AND 5TH STREET (FAU 8427)

STRUCTURE REPLACEMENT

PROJECT NO. BRM-5068 (027)

SECTION 07-00059-00-DR

JOB NO. C-97-062-11

FAYETTE COUNTY
CITY OF VANDALIA

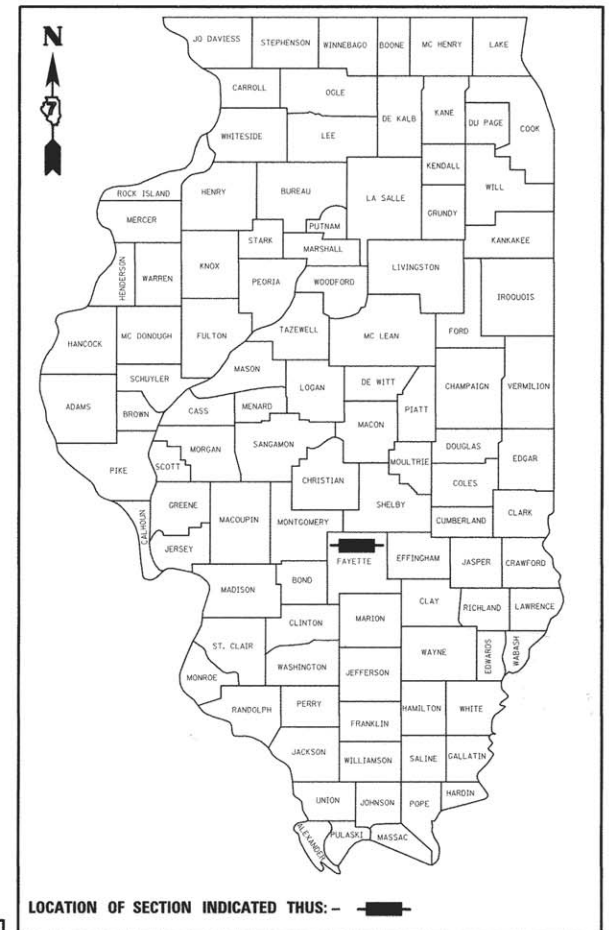
STU FUNDING
PROJECT DESCRIPTION
DOUBLE 14'x7' CAST IN PLACE BOX CULVERT

INDEX OF SHEETS

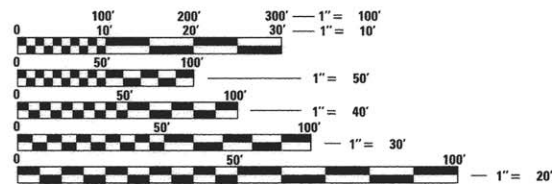
- 1 COVER SHEET
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- 4 SUMMARY OF QUANTITIES
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HIGHWAY STANDARDS

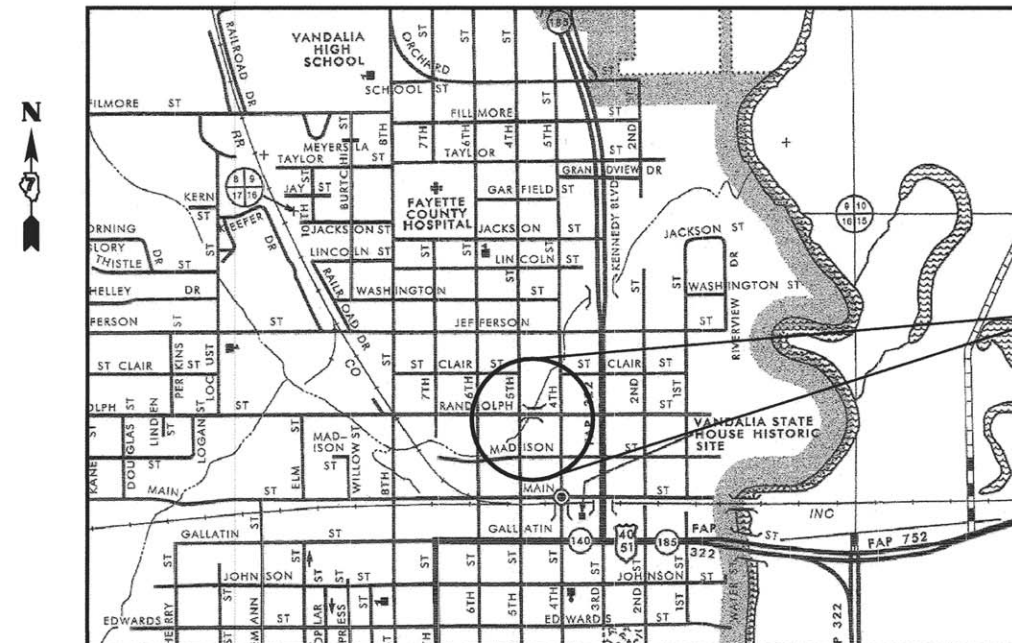
000001-06	604101-01
280001-07	606001-06
424001-08	701001-02
424006-02	701006-05
515001-03	701801-06
542606-02	701901-05
602301-04	780001-05
602401-03	BLR 21-9
602601-04	
602701-02	
604006-05	
604091-03	



LOCATION OF SECTION INDICATED THUS: — ■ —



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.



APPROXIMATE SCALE

LOCATION MAP

RANDOLPH STREET LENGTH OF PROJECT = 270.00 FT = 0.051 MI
5TH STREET LENGTH OF PROJECT = 127.00 FT = 0.024 MI
TOTAL = 397.00 FT = 0.075 MI

PROJECT LOCATION
RANDOLPH STREET: STA 100 + 30.00
TO STA 103 + 00.00
5TH STREET: STA 202 + 60.00
TO STA 203 + 87.00

PROPOSED STRUCTURE
DOUBLE 14'x7' CAST IN PLACE
CONCRETE BOX CULVERT
STRUCTURE NO. 026-6012

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

RANDOLPH STREET
DESIGN DESIGNATION: MINOR ARTERIAL (URBAN)
CURRENT ADT = 3100
TRUCK TRAFFIC = 6%
DESIGN SPEED = 30 MPH

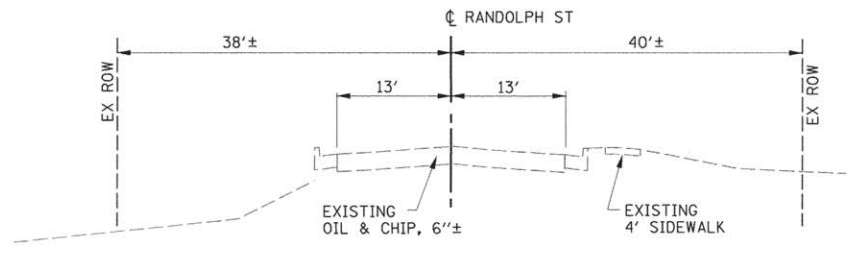
5TH STREET
DESIGN DESIGNATION: COLLECTOR (URBAN)
CURRENT ADT = 1450
TRUCK TRAFFIC = 6%
DESIGN SPEED = 30 MPH

CONTRACT NO. 95779

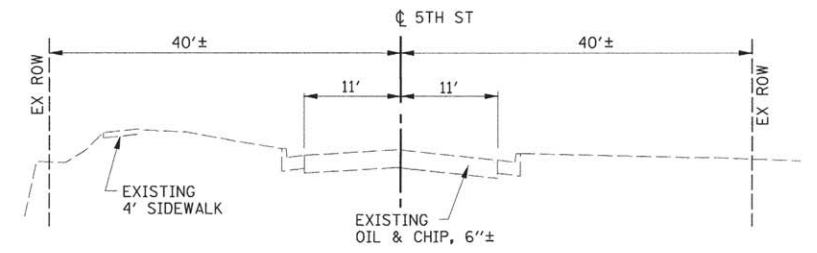


MARK A. REITZ P.E.#062-047531 DATE 5.5.16
LICENSE EXPIRES: NOVEMBER 30, 2017
HURST-ROSCHE, INC.

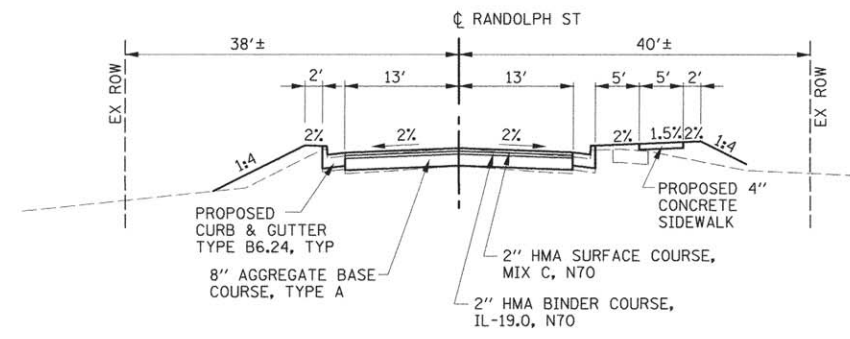
CITY OF VANDALIA	
APPROVED _____ DATE _____	
RICKY J. GOTTMAN, MAYOR, CITY OF VANDALIA	
Passed _____ DATE 5-12-16	
Maureen East DISTRICT 7 ENGINEER OF LOCAL ROADS AND STREETS	
RELEASING FOR BID BASED ON LIMITED REVIEW _____ DATE 5-12-16	
Jeffrey M. Smith REGION FOUR ENGINEER	



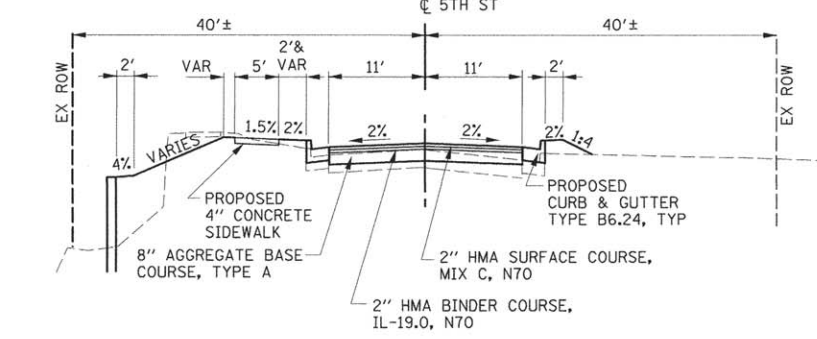
EXISTING TYPICAL SECTION
STA 100+30.00 TO STA 103+00.00



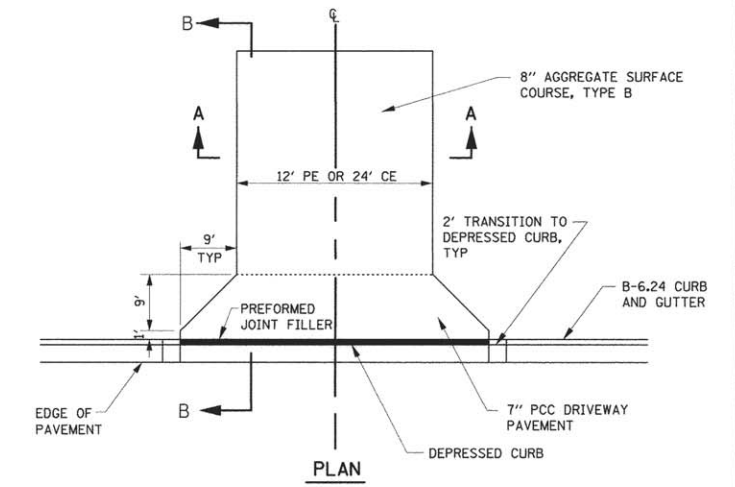
EXISTING TYPICAL SECTION
STA 202+60.00 TO STA 203+87.00



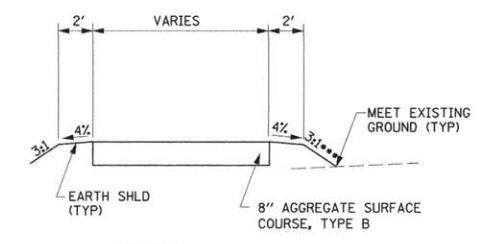
PROPOSED TYPICAL SECTION
STA 100+30.00 TO STA 103+00.00



PROPOSED TYPICAL SECTION
STA 202+60.00 TO STA 203+87.00



PLAN



SECTION A-A

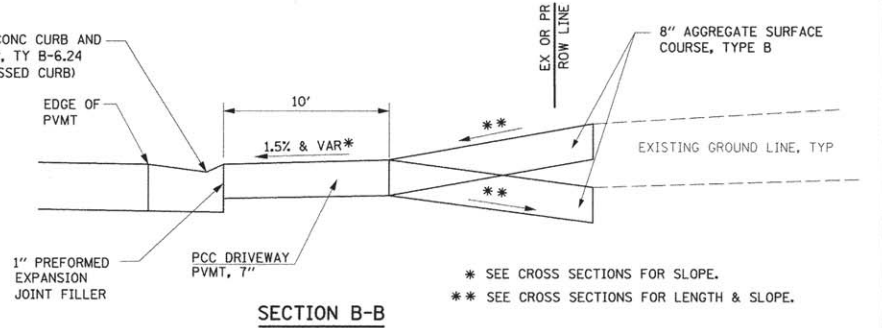
*** 10:1 FOR ENTRANCE AT STA 101+86 (WEST SIDE ONLY) 8" AGGREGATE SURFACE COURSE, TY B

UTILITY OWNERS

- | | |
|--|--|
| <p>WATER: CITY OF VANDALIA
201 EAST JACKSON
VANDALIA, ILLINOIS 62471
(618) 283-0111</p> <p>GAS: AMEREN ILLINOIS
CONSTRUCTION DEPARTMENT
DECATUR, ILLINOIS
1-800-892-7715</p> <p>POWER: AMEREN ILLINOIS
500 EAST BROADWAY
EAST ST. LOUIS, ILLINOIS, 62203
1-800-552-7583</p> | <p>TELEPHONE: AT&T ILLINOIS
203 GOETHE
COLLINSVILLE, ILLINOIS 62234
(618) 346-6400</p> <p>CABLE TV: NEW WAVE COMMUNICATIONS
318 N 4TH STREET
VANDALIA, ILLINOIS 62471-2312
(618) 283-9630</p> <p>JULIE (800)-892-0123
VANDALIA TOWNSHIP
CITY OF VANDALIA, ILLINOIS
T.6N. R.1E. SECTION 16</p> |
|--|--|

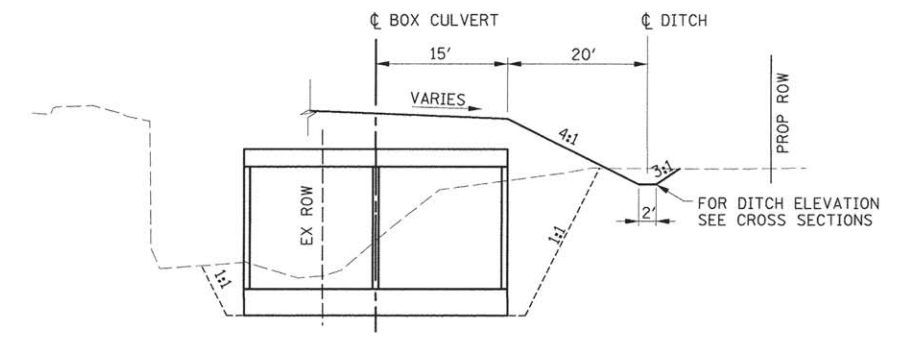
GENERAL NOTES

- THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED APRIL 1, 2016 AND THE SPECIAL PROVISIONS.
- CONTRACTOR TO SAW-CUT ALL EXISTING PAVEMENT FULL DEPTH IN ALL AREAS WHERE IT ABUTS PROPOSED PAVEMENT. SAW CUTS SHALL BE INCLUDED IN THE CONTRACT.
- ALL STATIONING REFERS TO THE CENTERLINE OF NEW CONSTRUCTION.
- THE LOCATIONS AND / OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM AVAILABLE RECORD INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE. FIELD MARKING OF FACILITIES IN CRITICAL AREAS MAY BE OBTAINED BY PROVIDING A MINIMUM OF 48 HOURS ADVANCE NOTICE TO J.U.L.I.E. @ (800) 892 - 0123.
- THE FOLLOWING CONSTANTS WERE USED IN THE CALCULATIONS OF QUANTITIES FOR THIS PROJECT:
AGGREGATE BASE AND SURFACE COURSES - 2.05 TONS/CU. YD.
HOT-MIX ASPHALT - 112 LBS / SQ YD / IN
BITUMINOUS MATERIALS (PRIME COAT) - 0.025 LB/SFT (FOG COAT) - 0.25 LB/SF (AGG BASE)
- DISPOSAL OF ALL MATERIAL FROM DEMOLITION (PAVEMENT REMOVAL, ETC.) SHALL BE INCLUDED IN THE CONTRACT AND PERFORMED IN ACCORDANCE WITH ALL STATE AND LOCAL CODES.
- THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP 0.3 FT IN AREAS TO BE SEEDED.
- EXISTING SIGNAGE SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.
- EXISTING STORM SEWER REMOVAL AS SHOWN ON THE PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THEIR RESPECTIVE REPLACEMENT STORM SEWER.
- CONNECTION OF EXISTING AND PROPOSED DRAINAGE STRUCTURES TO THE PROPOSED BOX CULVERT OR WINGWALLS SHALL BE PERFORMED IN ACCORDANCE WITH THE PIPE PENETRATION DETAIL LOCATED ON STRUCTURE SHEET 3 OF 9. THE COST FOR THESE CONNECTIONS SHALL BE CONSIDERED INCLUDED IN THE COST FOR CONCRETE BOX CULVERTS AND CONCRETE STRUCTURES RESPECTIVELY.



SECTION B-B

TYPICAL ENTRANCE



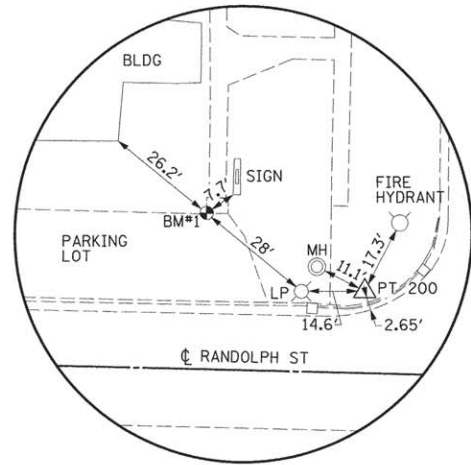
PROPOSED TYPICAL SECTION
STA 301+25.00 TO STA 301+75.00

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	PLOT DATE = #DATE#	DATE 11-06-15	REVISED -

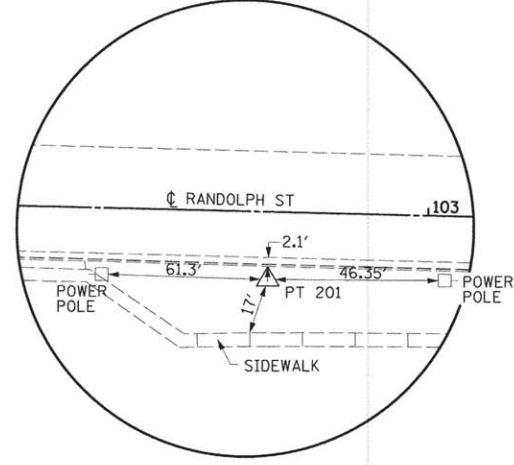
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES AND TYPICAL SECTIONS
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

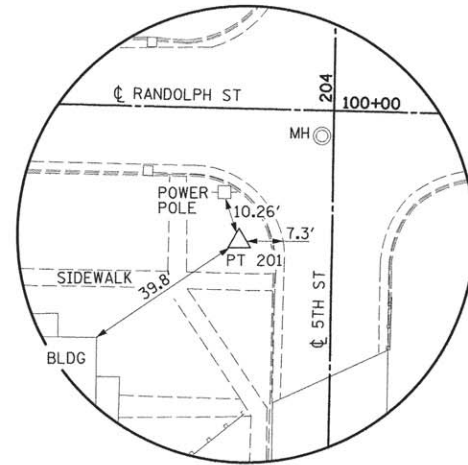
F.A.U. RTE. 8417	SECTION 07-00059-00-DR	COUNTY FAYETTE	TOTAL SHEETS 28	SHEET NO. 2
CONTRACT NO. 95779				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



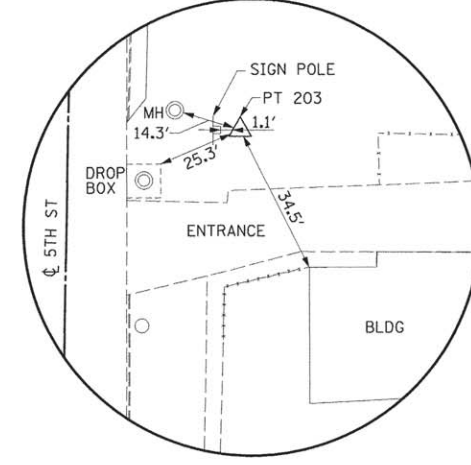
RANDOLPH STREET
 STA 99+70.07, 18.75' LT
 POINT 200 #5 REBAR W/HRE CAP
 N. 837480.82
 E. 767343.04



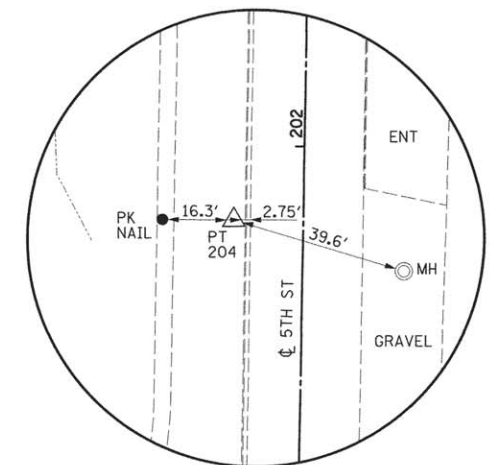
RANDOLPH STREET
 STA 102+68.80, 17.52' RT
 POINT 201 #5 REBAR W/HRE CAP
 N. 837437.17
 E. 767640.79



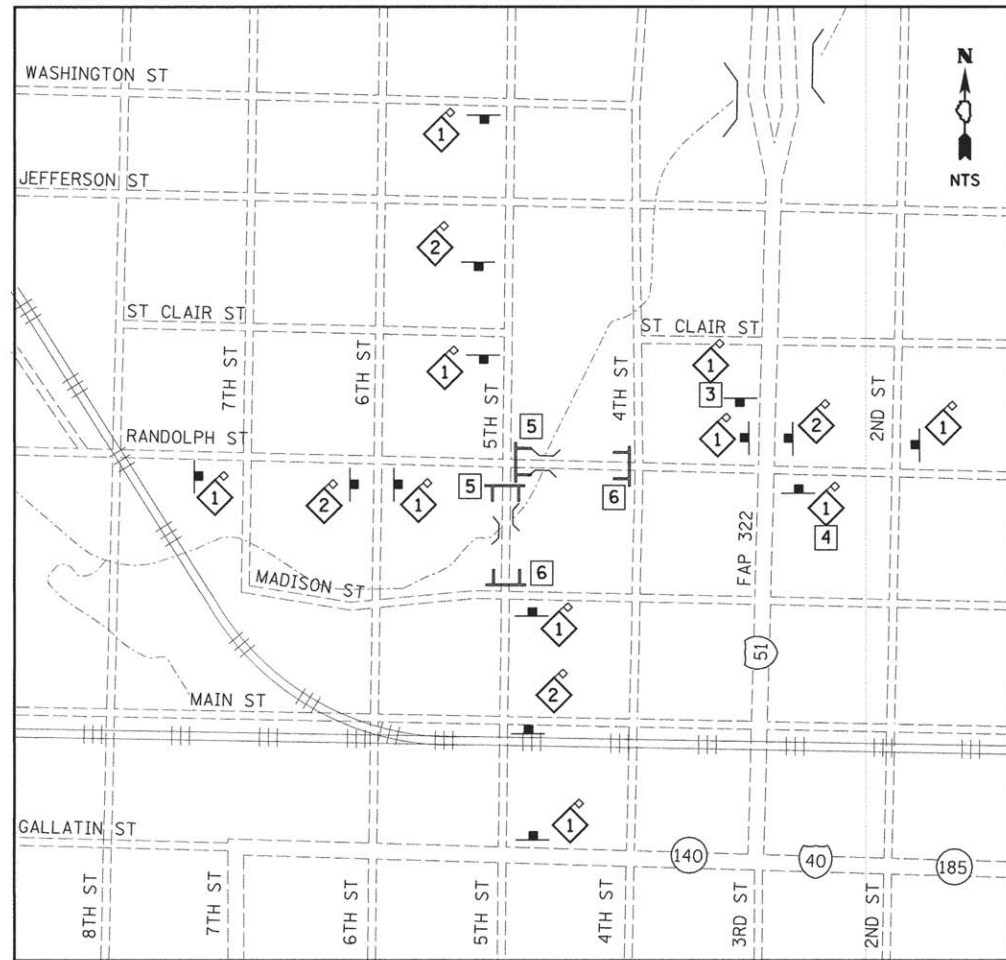
5TH STREET
 STA 203+69.99, 21.18' LT
 POINT 202 #5 REBAR W/HRE CAP
 N. 837431.68
 E. 767350.82



5TH STREET
 STA 202+77.65, 39.19' RT
 POINT 203 #5 REBAR W/HRE CAP
 N. 837338.35
 E. 767409.64



5TH STREET
 STA 201+82.97, 15.97' LT
 POINT 204 #5 REBAR W/HRE CAP
 N. 837244.60
 E. 767352.97



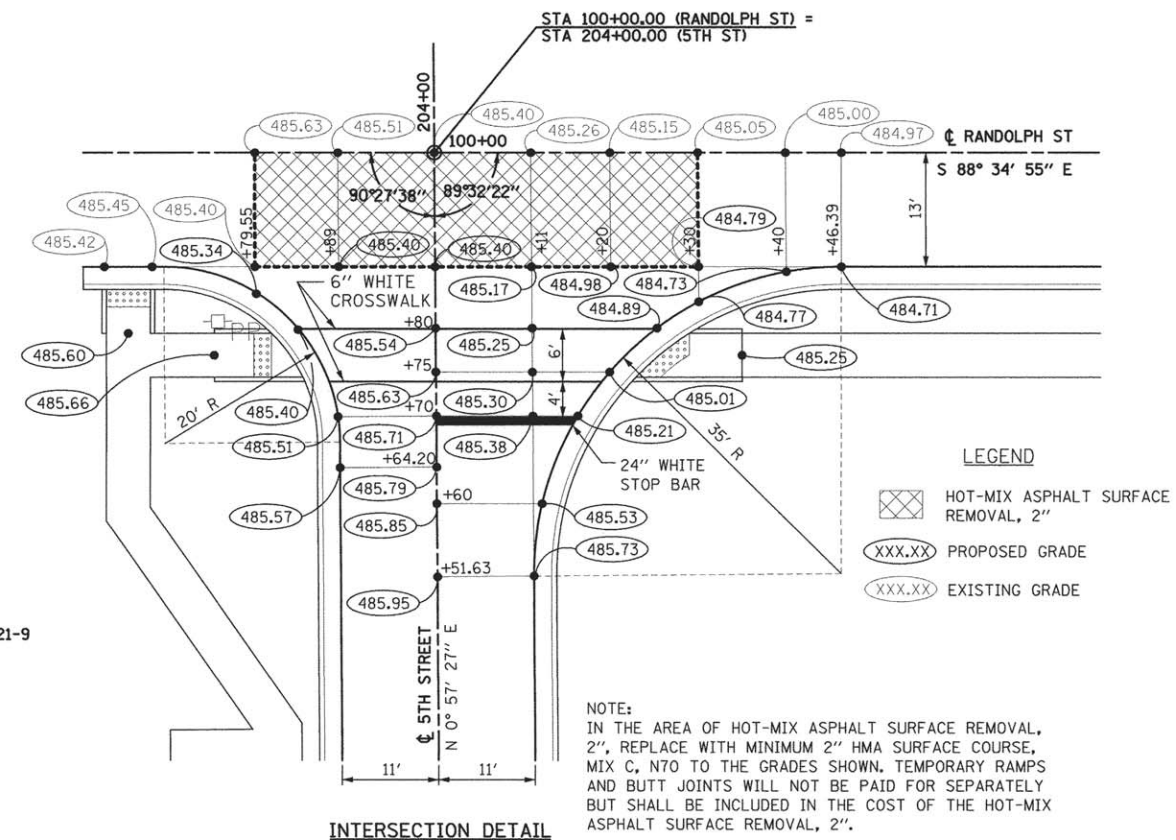
TRAFFIC CONTROL DETAILS

LEGEND

- TT TYPE III BARRICADE
- 1 ROAD CLOSED AHEAD
- 2 ROAD CLOSED 500 FT
- 3 24"x24"
- 4 24"x24"
- 5 TYPE III BARRICADE WITH "ROAD CLOSED" SIGNAGE
- 6 TYPE III BARRICADE WITH "ROAD CLOSED TO THRU TRAFFIC" SIGNAGE

GENERAL NOTE:

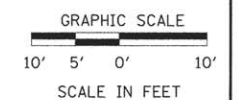
TRAFFIC CONTROL SHALL BE PERFORMED IN ACCORDANCE WITH HIGHWAY STANDARD BLR 21-9 AND THE SPECIAL PROVISIONS.



INTERSECTION DETAIL

- LEGEND**
- Hot-mix asphalt surface removal, 2"
 - XXX.XX PROPOSED GRADE
 - XXX.XX EXISTING GRADE

NOTE:
 IN THE AREA OF HOT-MIX ASPHALT SURFACE REMOVAL, 2", REPLACE WITH MINIMUM 2" HMA SURFACE COURSE, MIX C, N70 TO THE GRADES SHOWN. TEMPORARY RAMPS AND BUTT JOINTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE HOT-MIX ASPHALT SURFACE REMOVAL, 2".



HURST-ROSCHIE ENGINEERS, INC.
 HILLSBORO, ILLINOIS 62049
 (217)532-3959 FAX (217)532-3212



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - MAR	REVISED -
		DRAWN - UJ	REVISED -
		CHECKED - MAR	REVISED -
		DATE - 11-6-15	REVISED -
PLOT SCALE = #SCALE#			
PLOT DATE = #DATE#			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REFERENCE TIES AND DETAILS	
RANDOLPH STREET AND 5TH STREET	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 8417	SECTION 07-00059-00-DR	COUNTY FAYETTE	TOTAL SHEETS 28	SHEET NO. 3
CONTRACT NO. 95779				
ILLINOIS FED. AID PROJECT				

EARTH EXCAVATION						
Roadway Section	Location		Earth Excavation Cubic Yard	Excavation to be used in Embankment** Cubic Yard	Embankment Cubic Yard	Earthwork Balance*** Cubic Yard
	From	To				
5th Street Randolph box	202+00	203+80	244	183	626	-443
	100+30	103+00	0	0	1535	-1535
	301+00	301+75	623	467	328	139
TOTAL			867	650	2489	-1839
			use	870		1840

** Adjusted for Shrinkage (25% Shrinkage Assumed)
*** Waste (+) or Shortage (-)

TRENCH BACKFILL				
STATION	TO	STATION	LT/RT	CU YD
101+66	to	101+76	LT	3
101+56	to	101+66	RT	3
TOTAL 6				

TREE REMOVAL (6 to 15 UNITS DIAMETER)				
RANDOLPH ST		Offset	unit diameter	UNIT
101+12.00	L+	42'	9	9
101+17.00	L+	46'	12	12
101+22.00	L+	41'	8	8
5TH ST				
203+00.00	L+	44'	6x3	18
TOTAL 47				

TREE REMOVAL (OVER 15 UNITS DIAMETER)				
RANDOLPH ST		Offset	unit diameter	UNIT
100+89.40	L+	25'	00+30.00	30
5TH ST				
202+99.00	L+	55'	00+30.00	30
TOTAL 60				

INLET AND PIPE PROTECTION			
Randolph St			EACH
101+66.00	L+		1
101+56.00	R+		1
101+76.00	L+		1
101+66.00	R+		1
Box Culvert			
301+75.00	R+		1
TOTAL 5			

PERIMETER EROSION BARRIER			
Randolph St	LT/RT		FOOT
100+30.00	to	103+00.00	270
5th St			
202+30.00	to	203+60.00	130
Box			
300+50.00	to	302+20.00	170
TOTAL 570			

AGGREGATE BASE COURSE, TYPE A, 8"			
Randolph Street			TON
100+30.00	to	103+00.00	350
5th Street			
202+60.00	to	203+87.00	156
TOTAL 506			

DETECTABLE WARNINGS		
5th Street		SO FT
203+77	LT	10
203+77	RT	10
203+83	LT	10
Randolph Street		
100+34	LT	10
TOTAL 40		

BITUMINOUS MATERIALS (PRIME COAT)			
Randolph Street		PLACED ON	POUND
99+73.55	to	100+30.00	18.0
100+30.00	to	103+00.00	Aggregate Base 1761.0
100+30.00	to	103+00.00	HMA Lift 176.0
5th Street			
202+60.00	to	203+87.00	Aggregate Base 784.0
202+60.00	to	203+87.00	HMA Lift 79.0
TOTAL 2818			

HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70			
Randolph Street			TON
100+30.00	to	103+00.00	88.0
5th Street			
202+60.00	to	203+87.00	39.0
TOTAL 127			

HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70			
Randolph Street			TON
99+79.55	to	100+30.00	8.0
100+30.00	to	103+00.00	88.0
5th Street			
202+60.00	to	203+87.00	39.0
TOTAL 135			

SEEDING, CLASS 1 (SPECIAL)				
Begin Station	End Station	Side	Area (Acres)	
Randolph				
100+30.00	to	103+00.00	LT/RT	0.20
5th				
202+60.00	to	203+87.00	LT/RT	0.20
Box culvert				
301+00.00	to	301+75.00	LT/RT	0.10
TOTAL 0.50				

PORTLAND CEMENT CONCRETE SIDEWALK 4"			
Randolph St		Length (ft)	Area (sf)
100+30.00	to	102+32.00	210
100+34.00			35.0
102+06.00	to	102+27.00	21
100.0			100.0
5th St			
202+30.00	to	203+85.00	157
940.0			940.0
TOTAL 2121			

PAVEMENT REMOVAL			
Randolph St		CAO sq(ft)	SO YD
100+30.00	to	103+00.00	6025.76
670.0			670.0
5th St			
202+60.00	to	203+87.00	2544.54
283.0			283.0
TOTAL 953			

HOT-MIX ASPHALT SURFACE REMOVAL, 2"			
Randolph Street			SO YD
99+79.55	to	100+30.00	73.0
TOTAL 73			

COMBINATION CURB AND GUTTER REMOVAL				
Randolph St				FOOT
100+30.00	to	103+00.00	Rt	232.0
100+30.00	to	103+00.00	Lt	232.0
5th St				
202+60.00	to	203+87.00	L+	118.0
202+60.00	to	203+83.00	R+	107.0
TOTAL 689				

SIDEWALK REMOVAL				
Randolph St			CADD (sq ft)	SO FT
100+14.00	to	102+32.00	R+	935
935.0				935.0
102+14.00	to	102+27.00	L+	36.2
37.0				37.0
100+35.00	to	00+00.00	L+	24
24.0				24.0
5th St				
202+30.00	to	203+85.00	L+	752
752.0				752.0
TOTAL 1748				

REINFORCED CONCRETE PIPE TEE, 24" PIPE WITH 24" RISER			
Box Culvert			EACH
301+75.00		36' RT	1
TOTAL 1			

STORM SEWERS, CLASS A, TYPE 1 12"			
Randolph St			FOOT
101+56.00	to	101+66.00	R+
8			8
101+56.00	to	101+66.00	L+
8			8
TOTAL 16			

STORM SEWERS, CLASS A, TYPE 1 15"			
Randolph St			FOOT
101+61.00	to	101+66.00	L+
16			16
5th St			
202+62.00			L+
18			18
TOTAL 34			

PIPE CULVERTS, CLASS A, TYPE 2 24"			
Box Culvert			FOOT
301+75.00	to	301+75.00	R+
20			20
TOTAL 20			

DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED			
Randolph St	LT/RT		EACH
102+39	LT		1
102+61	LT		1
102+88	LT		1
102+90	LT		1
TOTAL 4			

MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE			
Randolph St			EACH
101+66.00	L+		1
TOTAL 1			

PAINT PAVEMENT MARKING - LINE 24"			
5th St			FOOT
203+69	to	203+69	CL/RT
16			16
TOTAL 16			

DRAINAGE STRUCTURE TO BE REMOVED			
5th Street	LT/RT		EACH
203+20	RT		1
TOTAL 1			

MANHOLES TO BE ADJUSTED			
RANDOLPH ST	LT/RT		EACH
100+66	LT		1
100+95	LT		1
101+20	RT		1
101+97	LT		1
101+97	LT		1
102+09	RT		1
TOTAL 6			

REMOVING MANHOLES			
5th STREET	LT/RT		EACH
203+16	RT		1
RANDOLPH ST			
101+66	LT		1
TOTAL 2			

REMOVING INLETS			
RANDOLPH ST	LT/RT		EACH
101+66	LT		1
101+66	RT		1
TOTAL 2			

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24				
Randolph St				FOOT
100+30.00	to	103+00.00	R+	270.0
100+30.00	to	103+00.00	L+	270.0
5th St				
202+60.00	to	203+84.00	L+	148.0
202+60.00	to		R+	130.0
Total 818				

MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE			
Randolph St			EACH
101+66.00	R+		1
Total 1			

PAINT PAVEMENT MARKING - LINE 4"			
Randolph			FOOT
99+80	to	103+00	CL
80			80
TOTAL 80			

PAINT PAVEMENT MARKING - LINE 6"			
5th St			FOOT
203+73	to	203+73	LT/RT
31.0			31.0
203+79	to	203+79	LT/RT
41.0			41.0
TOTAL 72.0			

ENTRANCE SCHEDULE											
TYPE	SIDE / STATION	EXISTING SURFACE	PROPOSED SURFACE	PROPOSED WIDTH	LENGTH	AGGREGATE SURFACE COURSE, TYPE B			PCC DRIVEWAY PAVEMENT		DRIVEWAY PAVEMENT REMOVAL
						CONC	AGG	TON	SO YD	SO YD	
Randolph Street											
CE	R+	101+84	BIT/AGG	CONC/AGG	24'	53.0	10.0	43.0	53.0	38.0	
CE	WEDGE	101+84	AGGREGATE	AGGREGATE					22.0		
PE	LT	102+00	CONC/AGG	CONC/AGG	12.0	39.4	10.0	29.4	18.0	24.0	10.0
5th Street											
CE	RT	203+00	AGGREGATE	CONC/AGG	24.0	74.9	10.0	64.9	79.0	38.0	9.0
TOTALS									172	100	19

INLETS, TYPE A, TYPE 3 FRAME AND GRATE			
Randolph St			EACH
101+56.00	R+		1
101+76.00	L+		1
TOTAL 2			

MEDIAN INLET (604101)			
Box Culvert			EACH
301+75.00		36' RT	1
TOTAL 1			

HR
HURST-ROSCHE ENGINEERS, INC.
HILLSBORO, ILLINOIS 62049
(217)532-3939 FAX (217)532-3212

HR
HURST-ROSCHE ENGINEERS, INC.

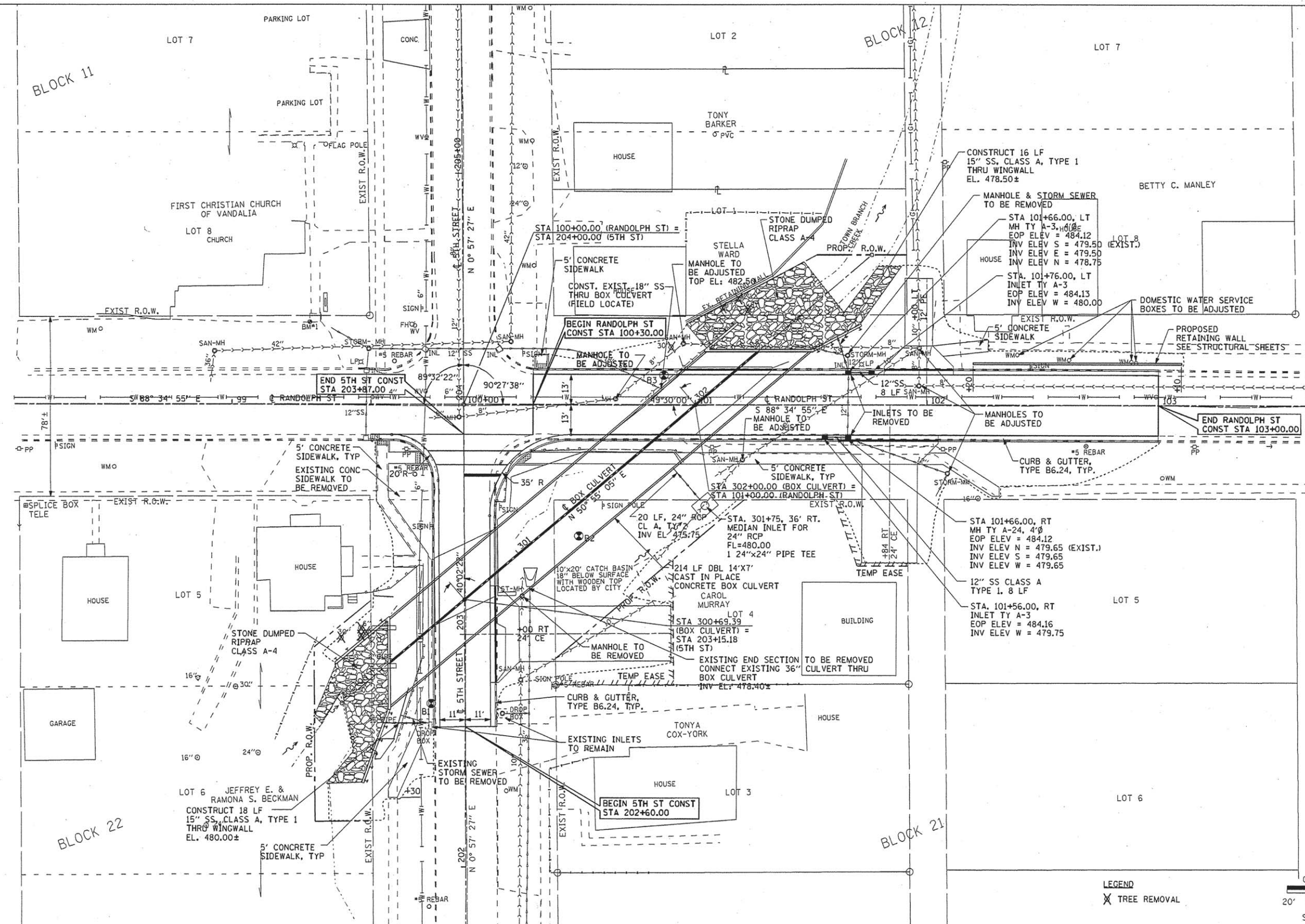
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	PLOT DATE = #DATE#	DATE - 11-06-15	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES

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

F.A.U. RTE. 8417	SECTION 07-00059-00-DR	COUNTY FAYETTE	TOTAL SHEETS 28	SHEET NO. 5
CONTRACT NO. 95779				
ILLINOIS FED. AID PROJECT				



HURST-ROSCHER ENGINEERS, INC.
 HILLSBORO, ILLINOIS 62049
 (217)532-3959 FAX (217)532-3212
 HR JOB # 170-0681

HR
 HURST-ROSCHER
 ENGINEERS, INC.

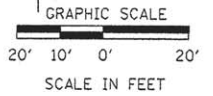
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	PLOT DATE = #DATE#	DATE - 11-06-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN - VANDALIA, IL
 CAST IN PLACE BOX CULVERT**

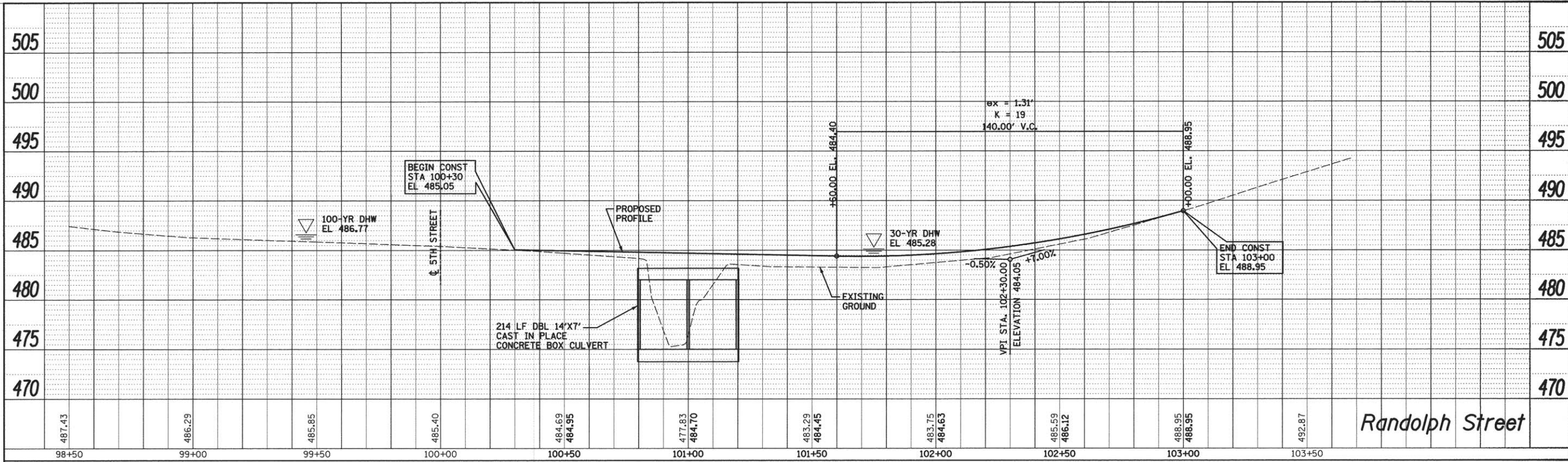
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LEGEND
 X TREE REMOVAL

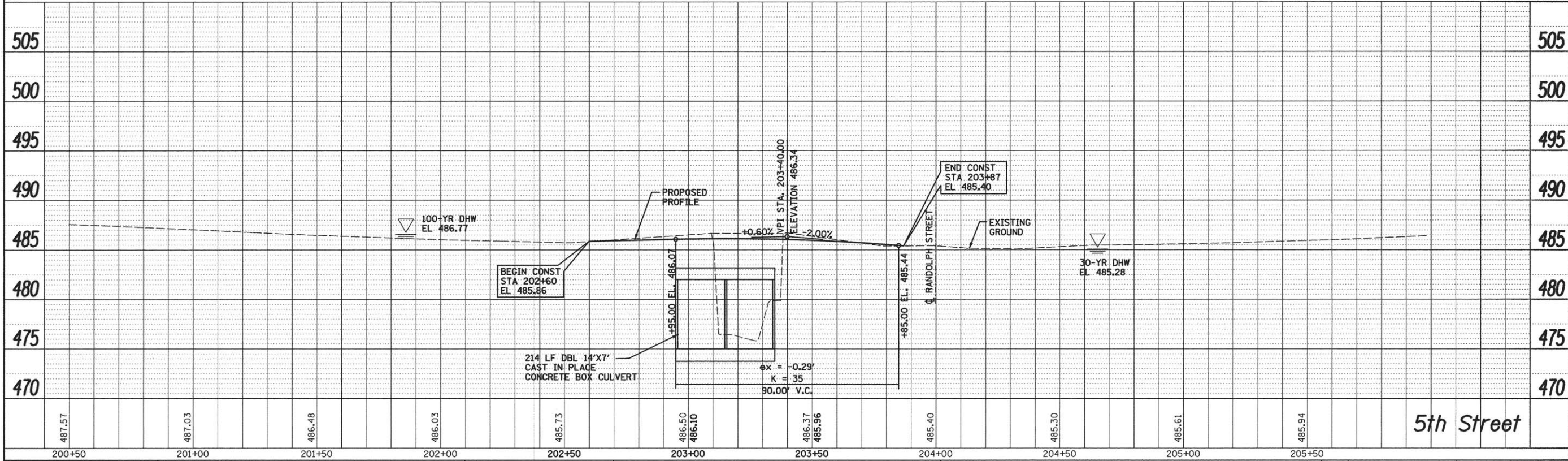


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8417	07-00059-00-DR	FAYETTE	28	6
			CONTRACT NO. 95779	
ILLINOIS FED. AID PROJECT				

PLAN	DATE
BY	
NO.	
NO.	
NO.	



PROFILE	DATE
BY	
NO.	
NO.	
NO.	



HURST-ROSCHKE ENGINEERS, INC.
 HILLSBORO, ILLINOIS 62049
 (217)532-3959 FAX (217)532-3212



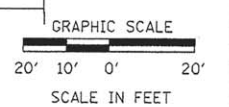
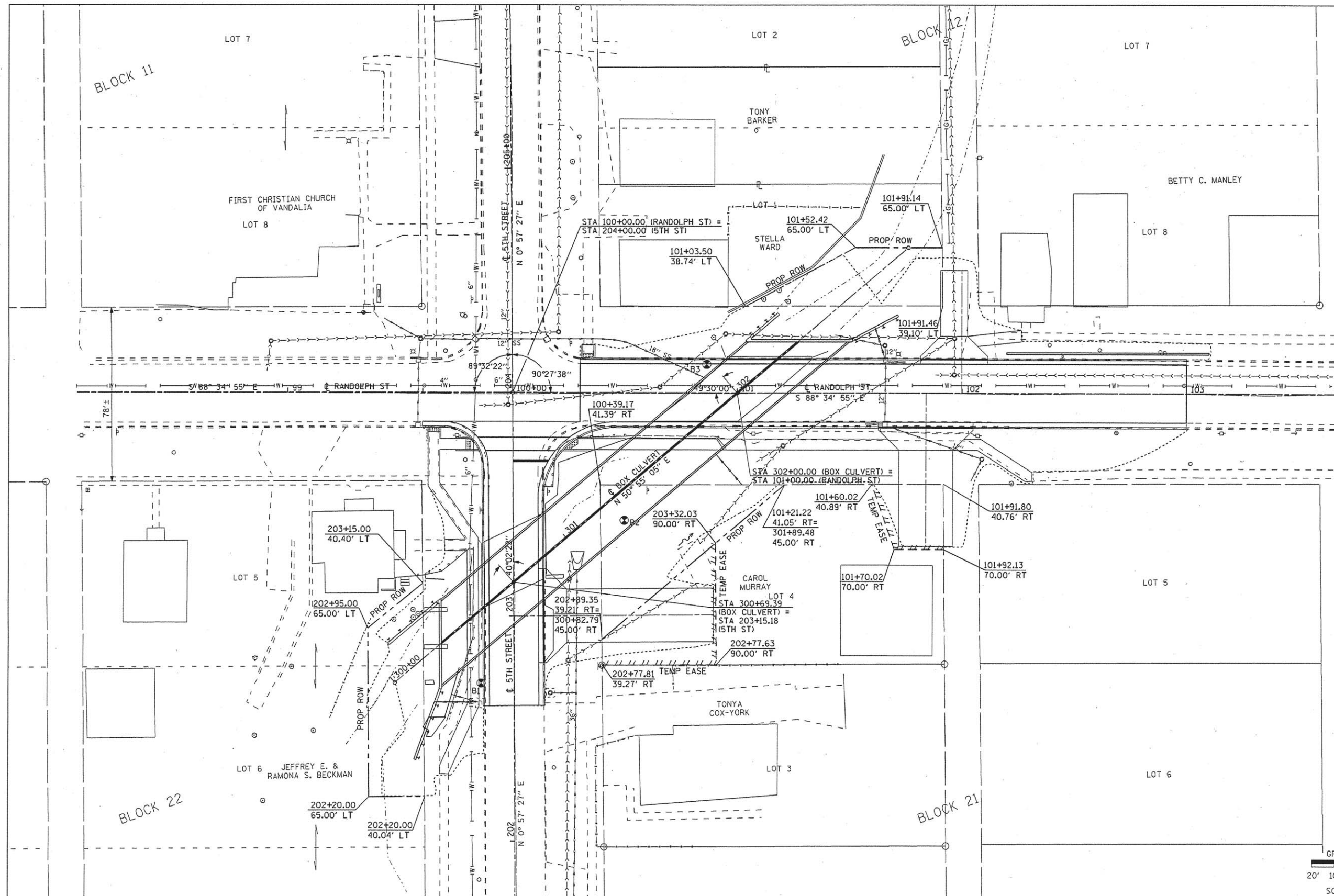
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PLOT DATE = 12/24/2015	DATE - 11-06-15	REVISED -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY PROFILES
 CAST IN PLACE DBL 14'x7' BOX CULVERT

F.A.U. RTE. 8417	SECTION 07-00059-00-DR	COUNTY FAYETTE	TOTAL SHEETS 28	SHEET NO. 7
CONTRACT NO. 95779			ILLINOIS FED. AID PROJECT	

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.



HURST-ROSCHE ENGINEERS, INC.
 HILLSBORO, ILLINOIS 62049
 (217)532-3959 FAX (217)532-3212
 HR JOB # 170-0681



FILE NAME * #FILEL#	USER NAME * #USER#	DESIGNED - GKM	REVISED -
		DRAWN - UJ	REVISED -
		CHECKED - MAR	REVISED -
		DATE - 11-06-15	REVISED -
HR #170-0681			

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

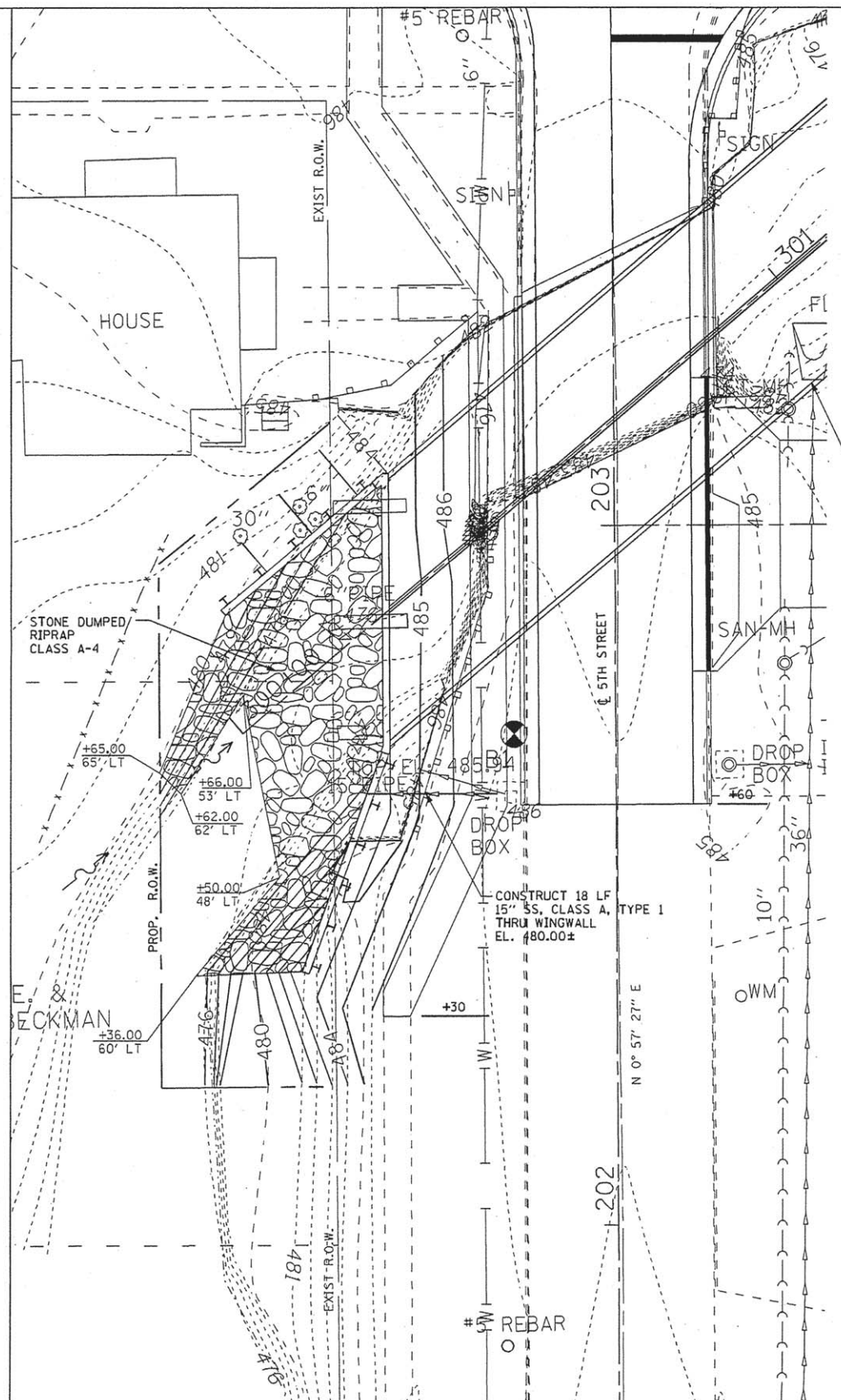
**RIGHT OF WAY PLAN - VANDALIA
 CAST IN PLACE BOX CULVERT**

SCALE: 1:20 SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8417	07-00059-00-DR	FAYETTE	28	8
CONTRACT NO. 95779			[ILLINOIS] FED. AID PROJECT	

HURST-ROSCHKE ENGINEERS, INC.
 HILLSBORO, ILLINOIS 62049
 (217)532-3959 FAX (217)532-3212
 HR JOB # 170-0681

HR
 HURST-ROSCHKE
 ENGINEERS, INC.

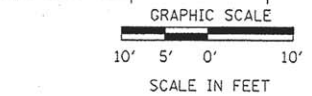
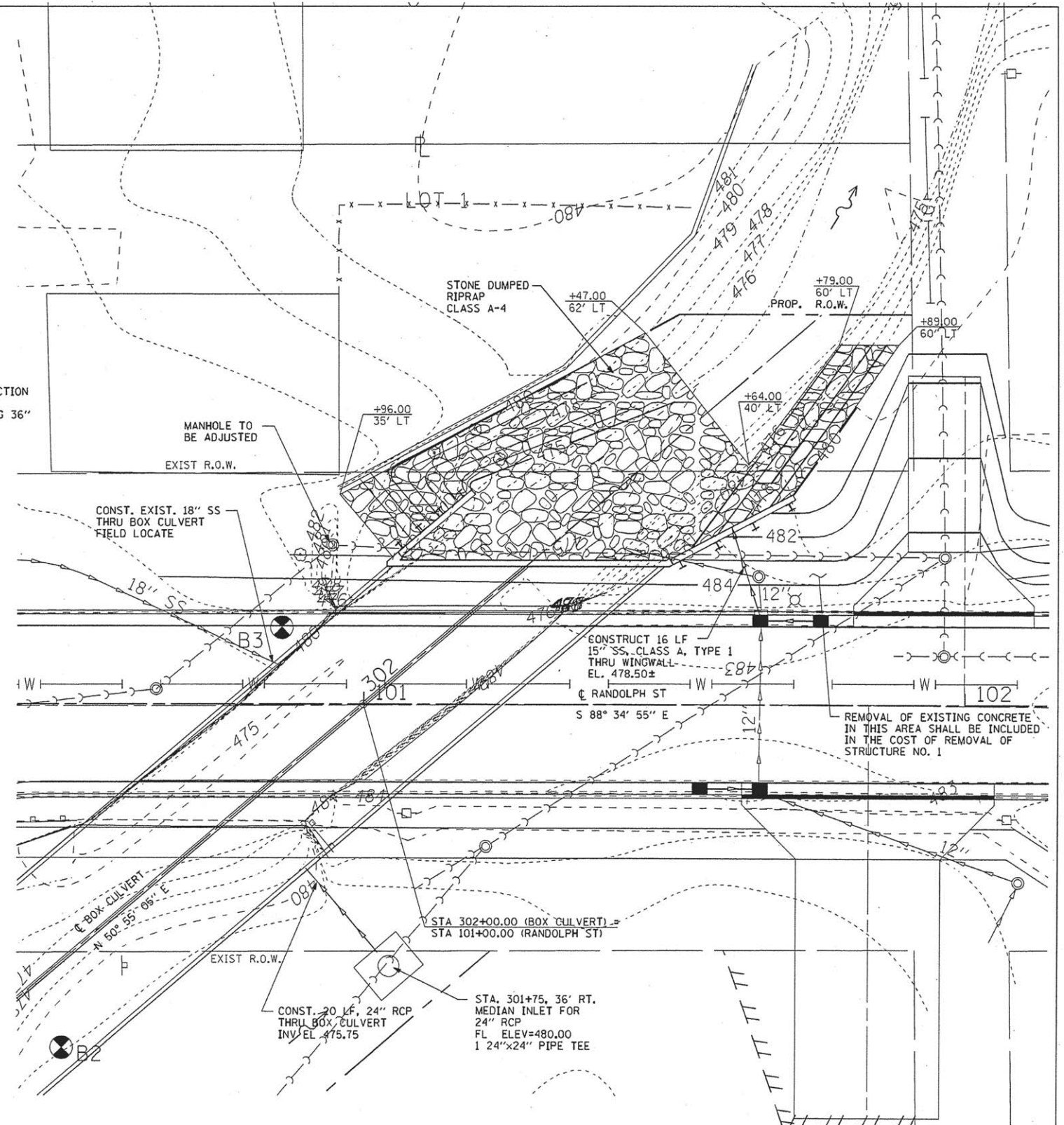


EXISTING END SECTION
 TO BE REMOVED
 CONNECT EXISTING 36"
 CULVERT THRU
 BOX CULVERT
 INV EL: 478.40±

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WINGWALL AREA GRADING PLAN
 VANDALIA, IL
 SCALE: 1:10 SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8417	07-00059-00-DR	FAYETTE	28	9
CONTRACT NO. 95779			ILLINOIS FED. AID PROJECT	



FILE NAME *	USER NAME * #USER#	DESIGNED - GKM	REVISED -
#FILE#		DRAWN - LJ	REVISED -
	PLOT SCALE * #SCALE#	CHECKED - MAR	REVISED -
HR #170-0681	PLOT DATE * #DATE#	DATE - 11-06-15	REVISED -

Bench Mark: BM#1 Chiseled square on concrete sidewalk step at northwest quadrant of intersection, Station 99+33.52, 35.72' L1, Elevation: 486.94, (Randolph Street)

Existing Structures: There are two existing Structures at the intersection of Randolph Street (SN 026-6003) and 5th Street (SN 026-6008) to be removed and replaced with one new Structure. SN 026-6003 is a Double Cell 12"x7' CIP Concrete Box Culvert built in 1940. SN 026-6008 is a Double-Arched CIP Concrete Structure built in 1930. Traffic to be maintained by road closure.

No Salvage

Precast alternate not allowed.

WATERWAY INFORMATION

Drainage Area = 2.95 sq. mi. Low Grade Elev. 485.18 @ Sta. 203+95 (FAU 8427)									
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.	Nat. H.W.E.	Head - Ft.	Headwater EL.	Headwater EL.	Headwater EL.	Headwater EL.
Min. Calc.	10	1630	193	196	484.15	2.62	1.45	486.77	485.60
Design	30	2215	193	196	485.28	2.42	1.19	487.70	486.47
Overtopping	8	1480	189	196	483.96	1.41	1.22	485.18	485.18
Max. Calc.	100	2890	193	196	486.77	1.84	0.30	488.61	487.07

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	D.S. Invert	U.S. Invert
	472.00	472.00

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications w/ 2013 Interim Revisions.

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

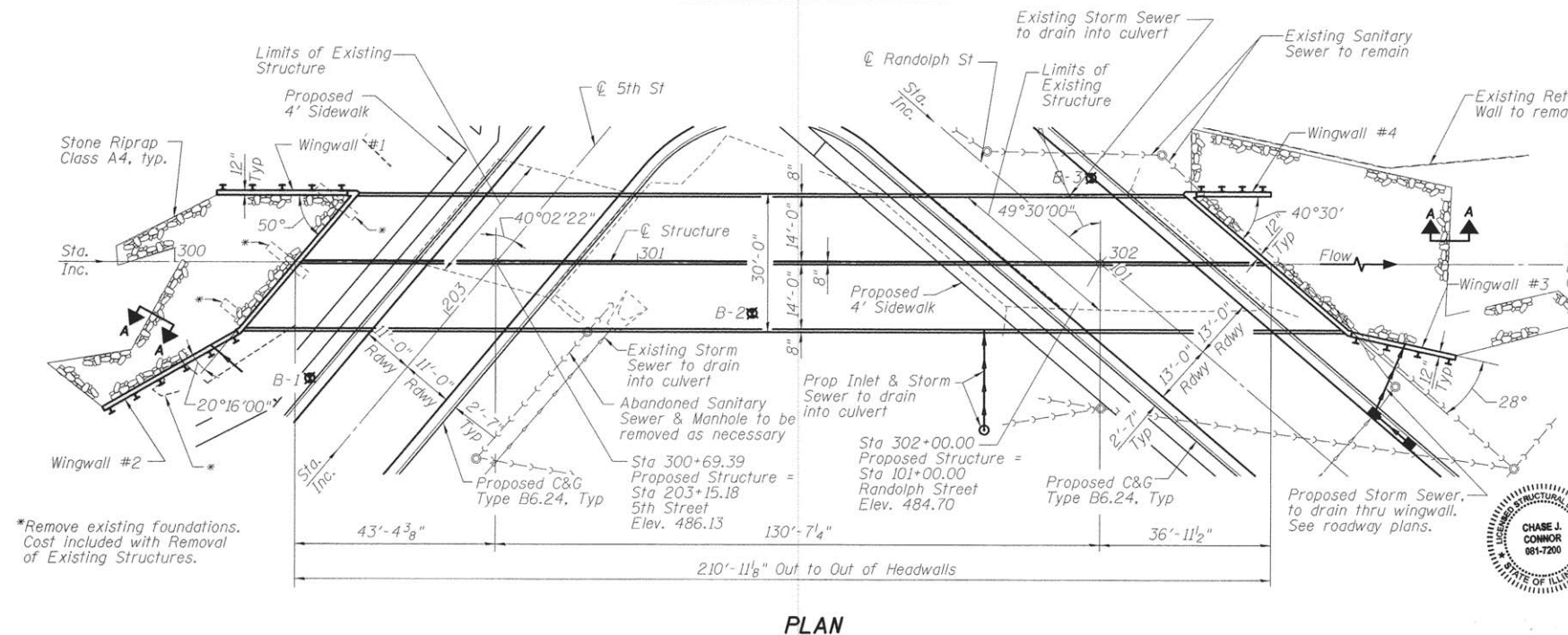
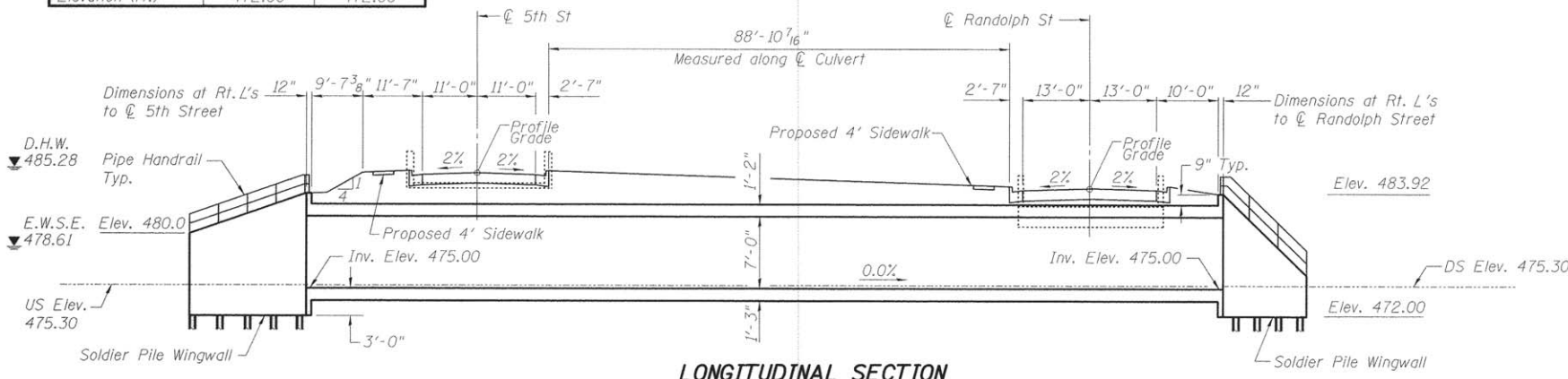
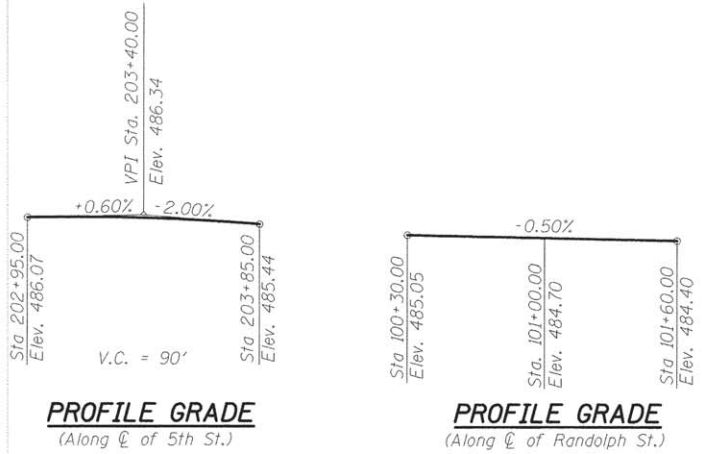
INDEX OF SHEETS

1. General Plan and Elevation
2. Culvert Plan
3. Culvert Details
4. Wingwall Layout
5. Wingwall Elevations
6. Wingwall Details
7. Retaining Wall
8. Soil Boring Logs
9. Soil Boring Logs

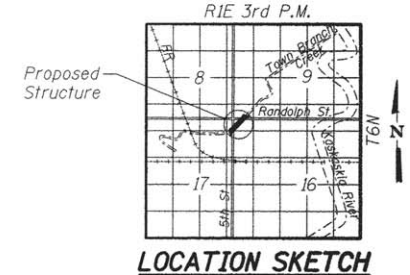
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Stone Dumped Riprap, Class A4	Ton	555
Filter Fabric	Sq. Yd.	477
Removal of Existing Structure #1	Each	1
Removal of Existing Structure #2	Each	1
* Structure Excavation	Cu. Yd.	236
Concrete Structures	Cu. Yd.	57.4
Pipe Handrail	Foot	183
Stud Shear Connectors	Each	172
Reinforcement Bars	Pound	185,990
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	683.6
Geocomposite Wall Drain	Sq. Yd.	24
Drilling & Setting Soldier Piles (in Soil)	Cu. Ft.	2,517
Untreated Timber Lagging	Sq. Ft.	738
Furnishing Soldier Piles (HP14x102)	Foot	500

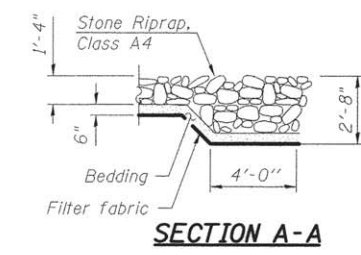
* This pay item is for Concrete Structures only. Excavation for culvert is included with Concrete Box Culverts.



TOWN BRANCH CREEK
BUILT 20... BY
CITY OF VANDALIA
SEC. 07-00059-00-DR
FAU 8417 STATION 101+00.00
STR. NO. 026-6012 LOADING HL-93



NAME PLATE
See Std. 515001

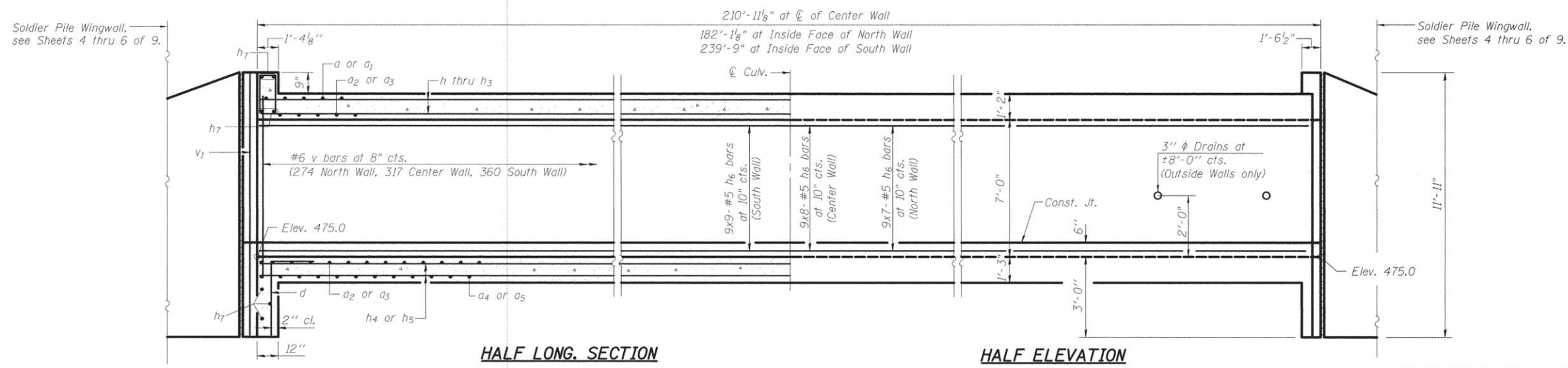


I certify that to the best of knowledge, information and belief, this bridge/box culvert design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current AASHTO Standard Specifications of Highway Bridges.

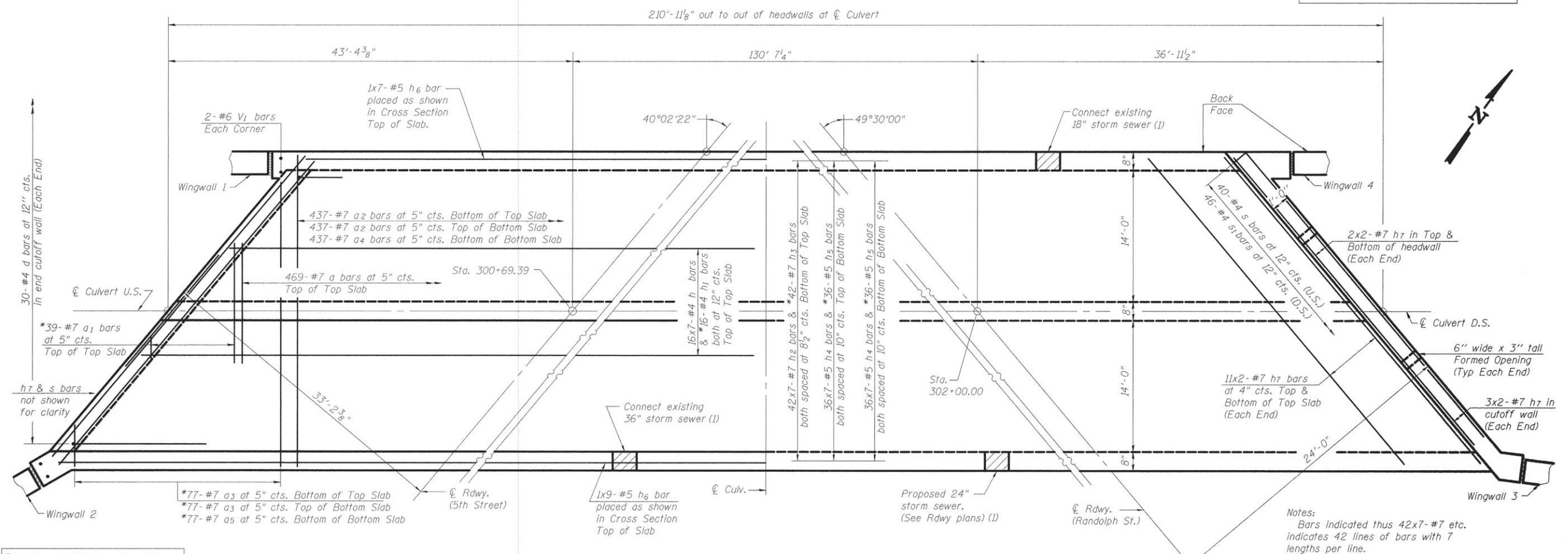
CHASE J. CONNOR, S.E.
ILLINOIS STRUCTURAL NO. 7220
EXPIRES: NOVEMBER 30, 2016

**GENERAL PLAN AND ELEVATION
RANDOLPH STREET OVER
TOWN BRANCH CREEK
F.A.U. RTE. 8417 - SEC. 07-00059-00-DR
FAYETTE COUNTY
STATION 101+00.00
STRUCTURE NO. 026-6012**

FILE NAME =	USER NAME =	DESIGNED - RVB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN AND ELEVATION STRUCTURE NO. 026-6012	SHEET NO. 1 OF 9 SHEETS	FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HR HURST-ROSCH ENGINEERS, INC. HILLSBORO, ILLINOIS 62449 (217)832-3959 FAX (217)832-3212 HR JOB # 170-0681	PLOT SCALE =	CHECKED - CJC	REVISED -				8417	07-00059-00-DR	FAYETTE	28	10
	PLOT DATE =	DRAWN - UJ	REVISED -				CONTRACT NO. 95779			ILLINOIS FED. AID PROJECT	
		CHECKED - RVB	REVISED -								



(1) Cut v_3 and h_9 bars as needed to miss pipe. Place additional v_3 and h_9 bars adjacent to pipe (left, right, top & bottom). See sheet 3 of 9 for pipe penetration detail.

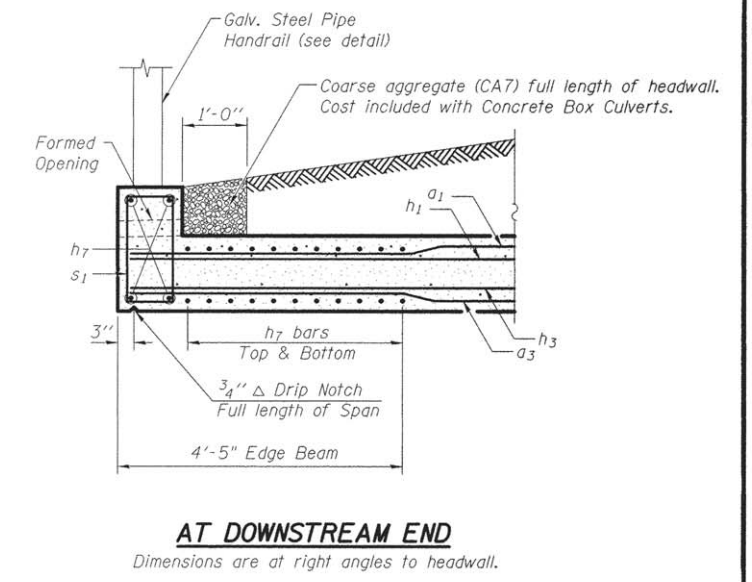
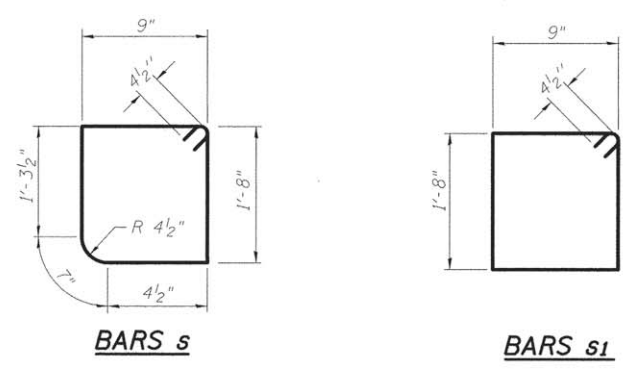
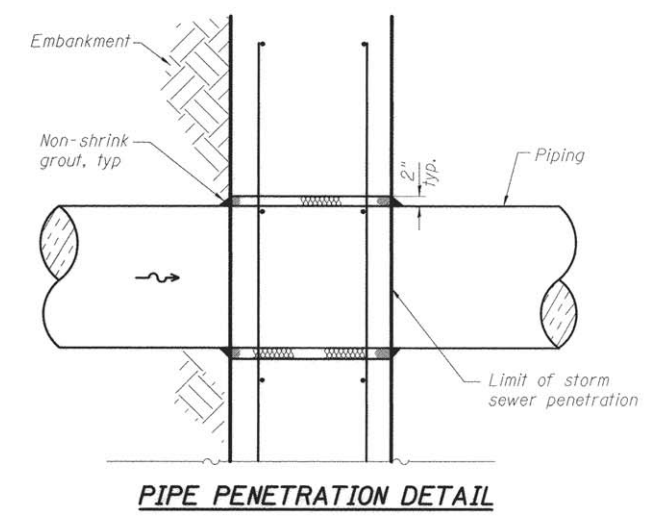
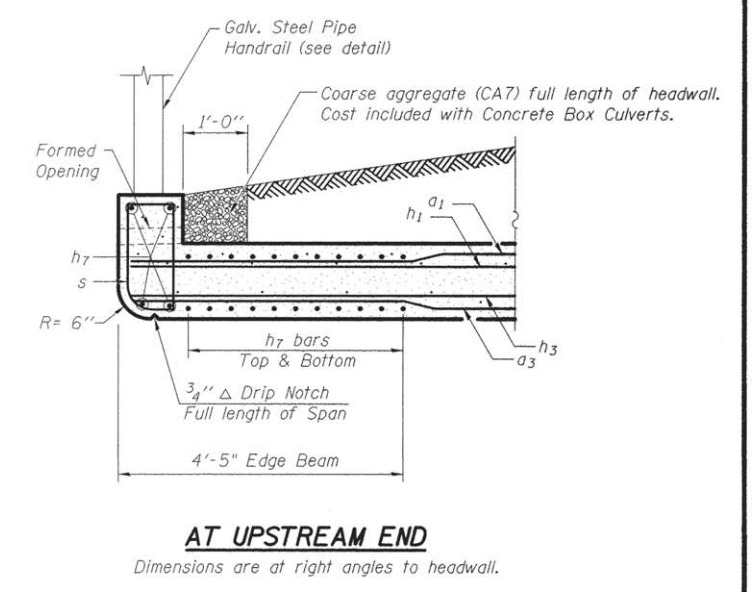
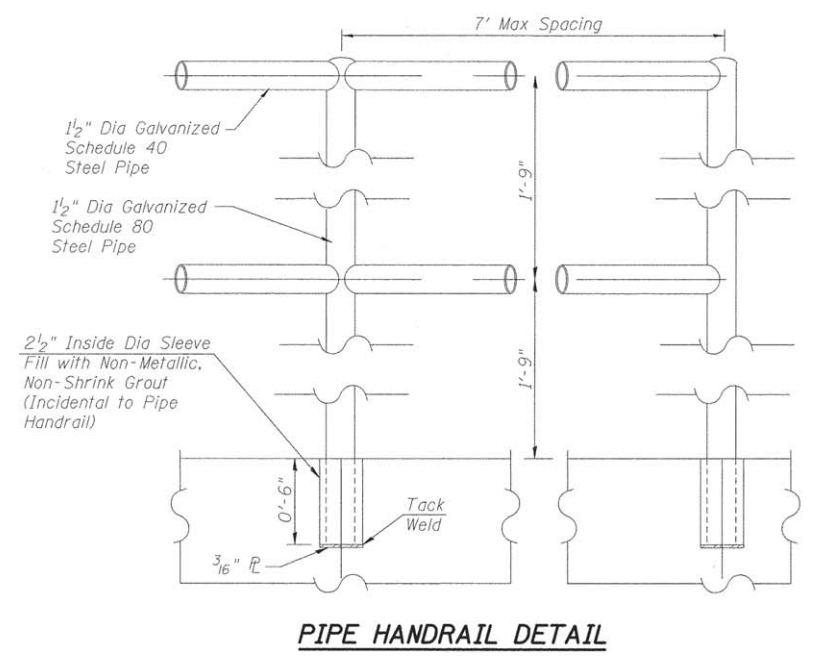
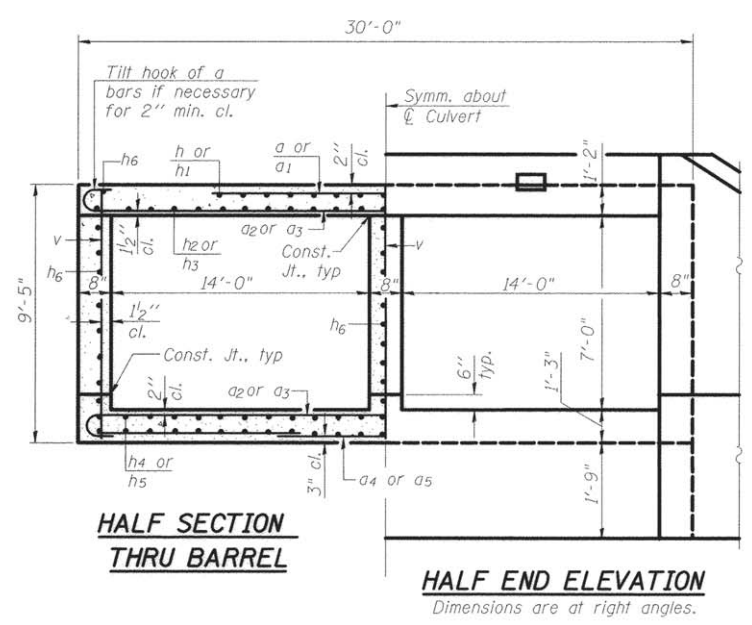


*Cut bars to fit skew. Use balance of bars in opposite end.

Notes:
 Bars indicated thus 42x7-#7 etc. indicates 42 lines of bars with 7 lengths per line.
 See Sheet 3 of 9 for additional culvert details.

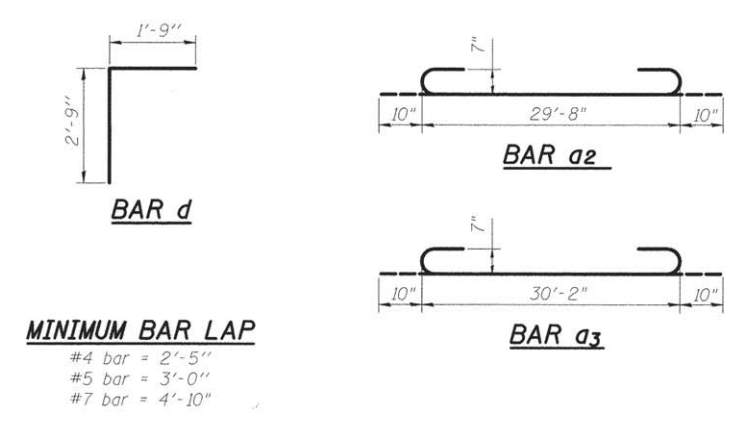
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HR		CHECKED - CJC	REVISED			8417	07-00059-00-DR	FAYETTE	28	11	
	PLOT SCALE =	DRAWN - UJ	REVISED			CONTRACT NO. 95779					
	PLOT DATE =	CHECKED - RVB	REVISED			ILLINOIS FED. AID PROJECT					

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BILL OF MATERIAL

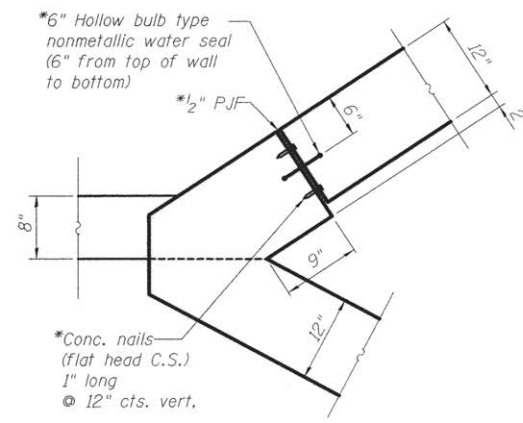
Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape
a	469	#7	15'-2"	—	h6	232	#5	29'-4"	—
a1	39	#7	16'-1"	—	h7	104	#7	25'-3"	—
a2	874	#7	31'-4"	U	s	40	#4	5'-5"	□
a3	154	#7	31'-10"	U	s1	46	#4	5'-7"	□
a4	437	#7	29'-8"	—	v	951	#6	9'-0"	—
a5	77	#7	30'-2"	—	v1	8	#6	11'-6"	—
d	60	#4	4'-6"	L					
h	112	#4	30'-0"	—					
h1	16	#4	19'-8"	—					
h2	294	#7	30'-1"	—					
h3	42	#7	38'-8"	—					
h4	504	#5	28'-6"	—					
h5	72	#5	35'-1"	—					
Reinforcement Bars									Pound 180,490
Concrete Box Culverts									Cu. Yd. 683.6
Pipe Handrail									Foot 183



GENERAL NOTES

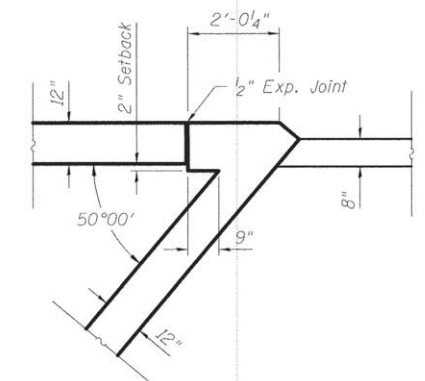
Steel pipe shall conform to the requirements of ASTM A-120.
All posts, railing, & sleeves shall be galvanized after shop fabrication in accordance with ASTM-123 and A-385.
Galvanized material shall not be painted.

HR <small>DESIGN & CONSTRUCTION SERVICES, INC. 100 S. WASHINGTON ST., SUITE 200 CHICAGO, ILL. 60604 (312) 467-1100</small>	USER NAME = PLOT SCALE = PLOT DATE =	DESIGNED - RVB CHECKED - CJC DRAWN - UJ CHECKED - RVB	REVISED REVISED REVISED REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CULVERT DETAILS STRUCTURE NO. 026-6012 SHEET NO. 3 OF 9 SHEETS	F.A.J. RTE. 8417 SECTION 07-00059-00-DR COUNTY FAYETTE TOTAL SHEETS 28 SHEET NO. 12 CONTRACT NO. 95779 ILLINOIS FED. AID PROJECT
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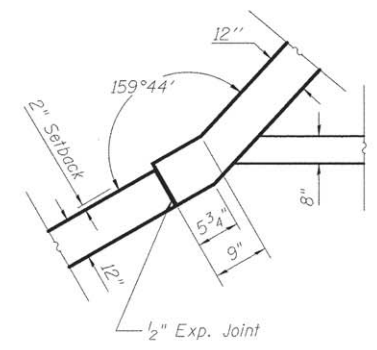


TYP. EXP. JOINT DETAIL

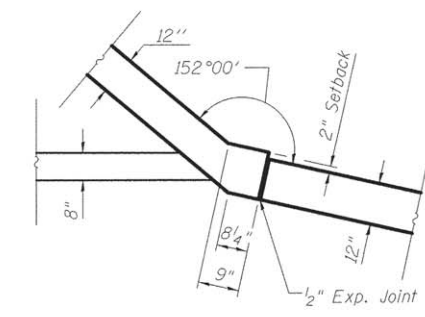
*Cost included with Concrete Box Culverts.



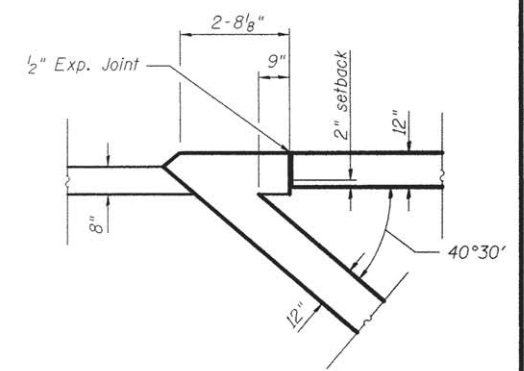
DETAIL "A"



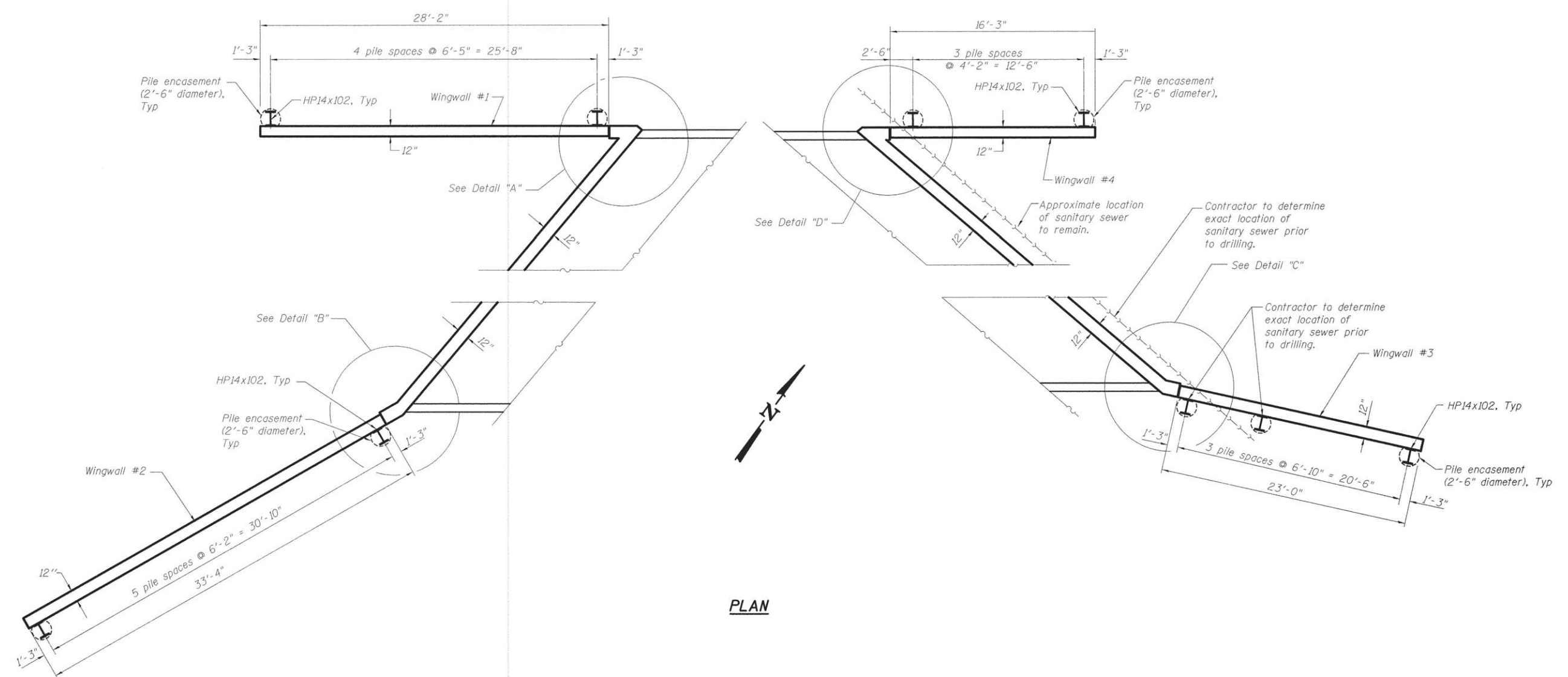
DETAIL "B"



DETAIL "C"



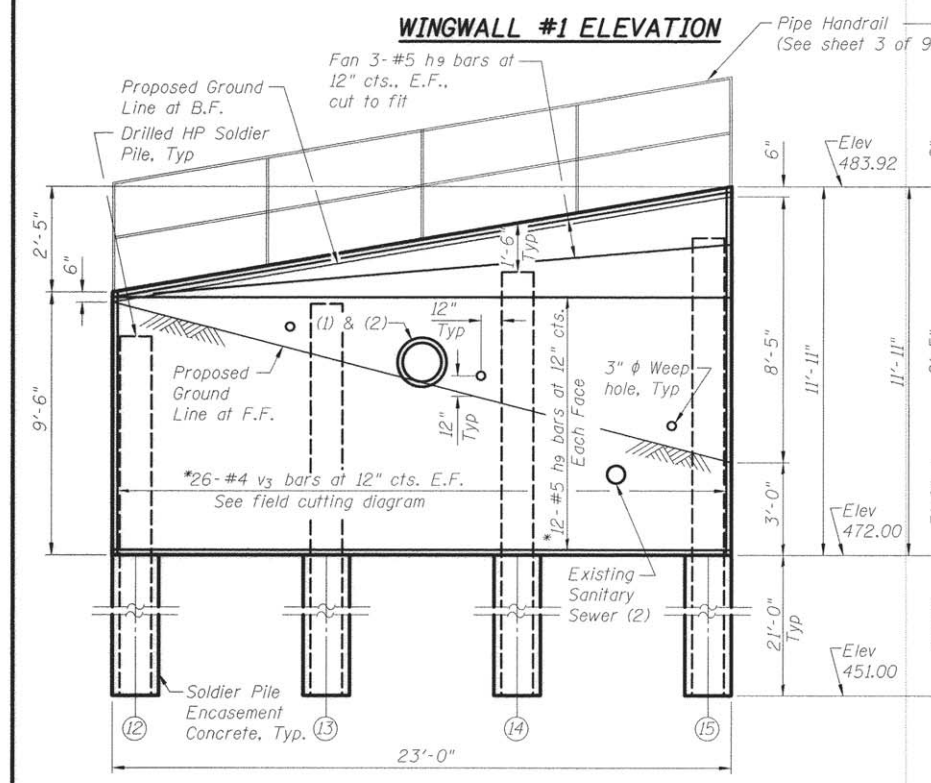
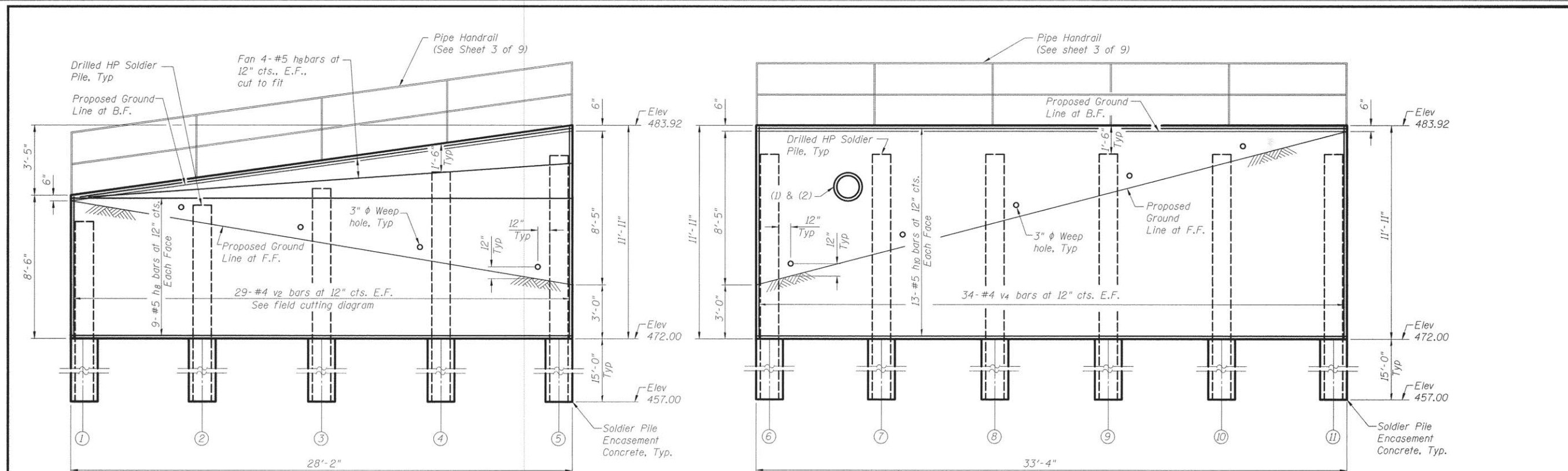
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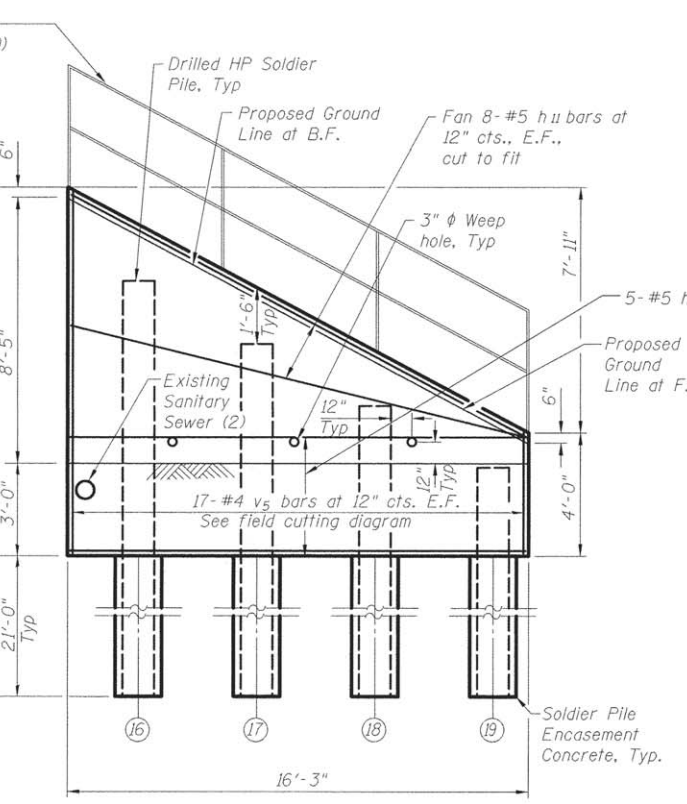
PLAN

HR HURST-ROSCHKE ENGINEERS, INC. HILLSBORO, ILLINOIS 62049 (217)832-3959 FAX (217)832-3212 HR JOB # 170-0681	FILE NAME =	DESIGNED - RVB	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WINGWALL LAYOUT STRUCTURE NO. 026-6012 SHEET NO. 4 OF 9 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	USER NAME =	CHECKED - CJC	REVISED			8417	07-00059-00-DR	FAYETTE	28	13
	PLOT SCALE =	DRAWN - UJ	REVISED			CONTRACT NO. 95779				
	PLOT DATE =	CHECKED - RVB	REVISED			ILLINOIS FED. AID PROJECT				

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WINGWALL #3 ELEVATION

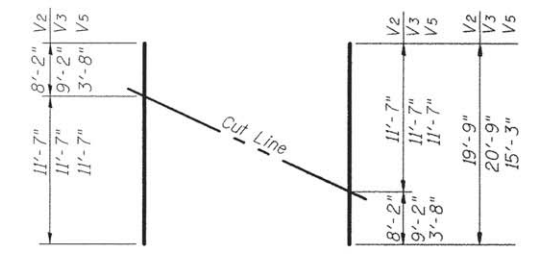


WINGWALL #4 ELEVATION

WINGWALL #2 ELEVATION

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h8	26	#5	27'-10"	—
h9	30	#5	22'-8"	—
h10	26	#5	33'-0"	—
h11	26	#5	15'-9"	—
v2	29	#4	19'-9"	—
v3	26	#4	20'-9"	—
v4	68	#4	11'-7"	—
v5	17	#4	15'-3"	—
Structure Excavation			Cu. Yd.	116
Concrete Structures			Cu. Yd.	39.2
Stud Shear Connectors			Each	172
Reinforcement Bars			Pound	4,235
Geocomposite Wall Drain			Sq. Yd.	24
Drilling & Setting Soldier Piles (In Soil)			Cu. Ft.	2,517
Untreated Timber Lagging			Sq. Ft.	738
Furnishing Soldier Piles (HP14x102)			Foot	500

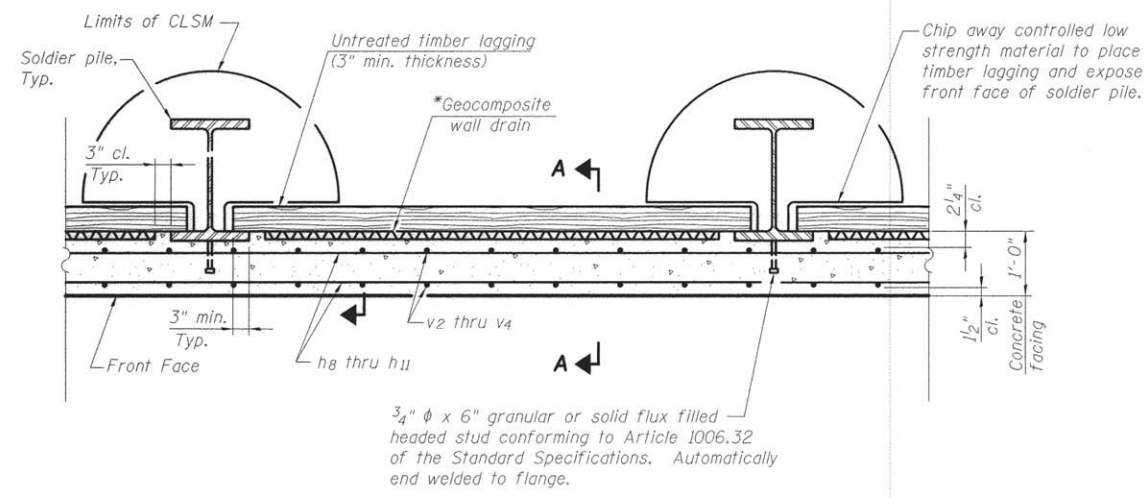


FIELD CUTTING DIAGRAM

- Notes:**
- (1) Proposed 15" Storm Sewer, see rdwy plans.
 - (2) Cut v3 and h9 bars as needed to miss pipe. Place additional v3 and h9 bars adjacent to pipe (left, right, top and bottom). See sheet 3 of 9 for pipe penetration detail.

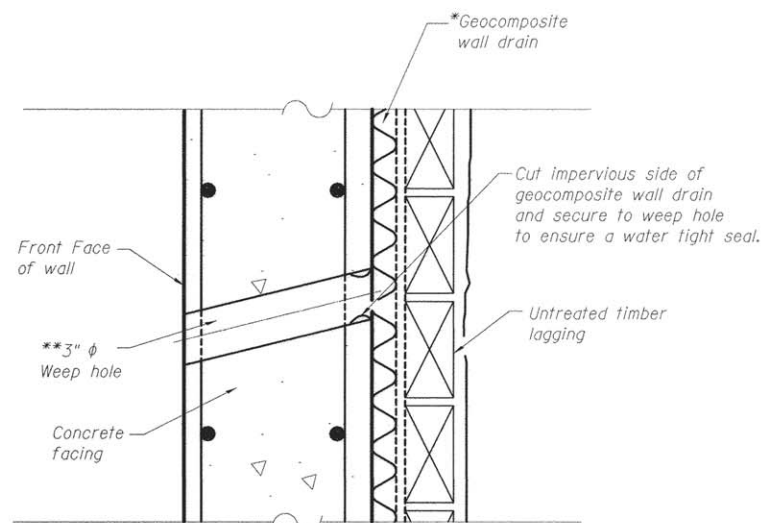
Order V2, V3, and V5 bars full length. Cut as shown and use remainder of bars in opposite face.

HR <small>1001 N. Dearborn St., Chicago, IL 60610 (312) 329-1000 (312) 329-1001 (312) 329-1002 (312) 329-1003 (312) 329-1004 (312) 329-1005 (312) 329-1006 (312) 329-1007 (312) 329-1008 (312) 329-1009 (312) 329-1010</small>	FILE NAME =	USER NAME =	DESIGNED - RVB	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WINGWALL ELEVATIONS STRUCTURE NO. 026-6012 SHEET NO. 5 OF 9 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
			CHECKED - CJC	REVISED			8417	07-00059-00-OR	FAYETTE	28	14	
			DRAWN - UJ	REVISED			CONTRACT NO. 95779					
			CHECKED - RVB	REVISED			ILLINOIS FED. AID PROJECT					



DETAIL SOLDIER PILE WALL

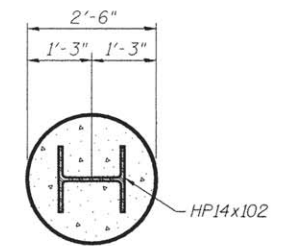
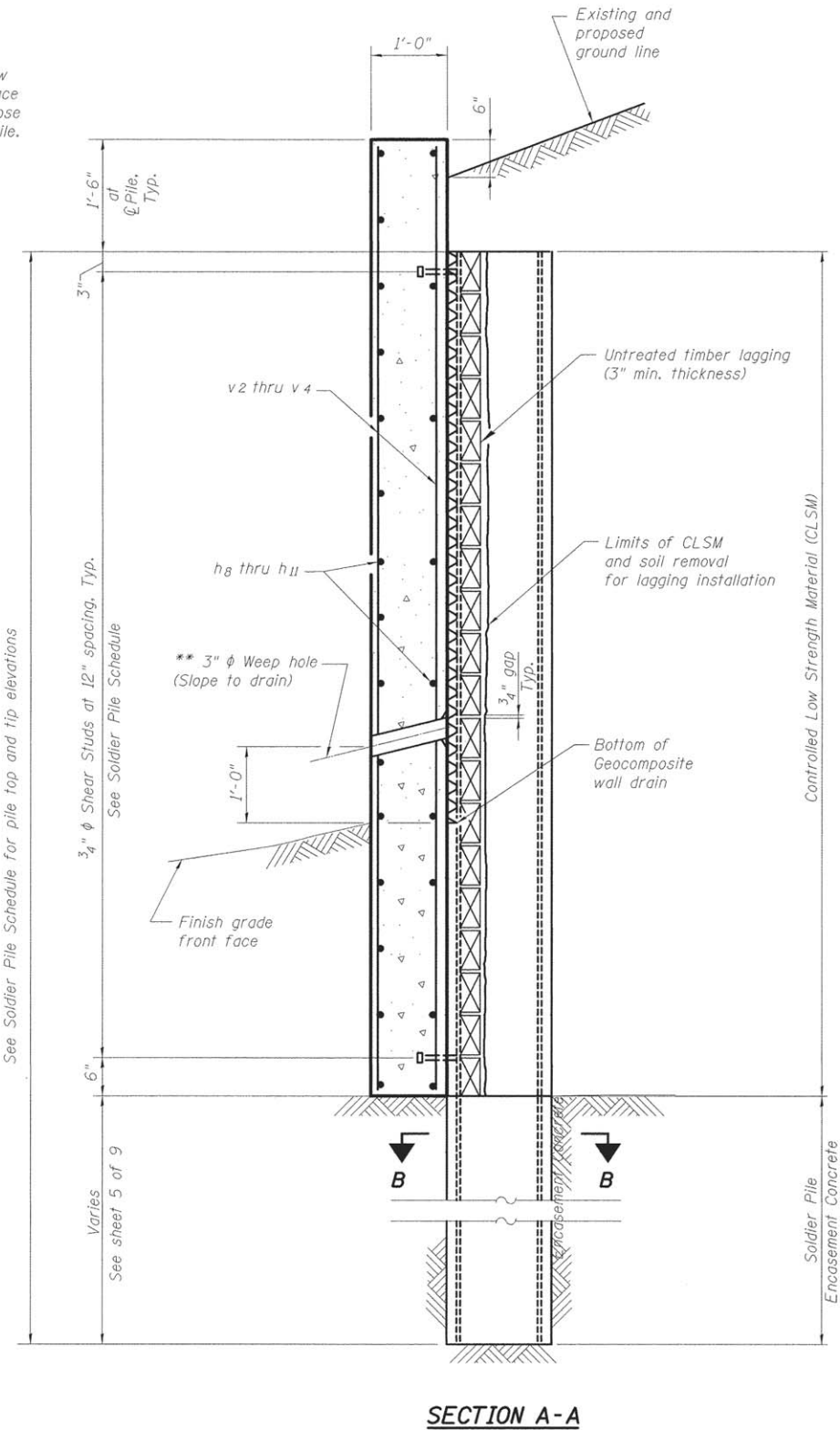
*Geocomposite wall drain shall not have a thickness greater than 3/4".



WEEP HOLE DRAIN DETAIL

**Cost for the weep hole drain and connection to the geocomposite wall drain are included with Concrete Structures.

Note:
The Contractor is responsible for the design and performance of lagging using no less than 3 in. nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi.



SECTION B-B

SOLDIER PILE SCHEDULE

Wingwall	Pile No.	Top Elev. (ft)	Tip Elev. (ft)	Length (ft)	No. Studs per Pile
1	1	479.15	457.00	22.15	7
	2	479.93	457.00	22.93	8
	3	480.71	457.00	23.71	9
	4	481.49	457.00	24.49	10
	5	482.27	457.00	25.27	11
2	6	482.42	457.00	25.42	11
	7	482.42	457.00	25.42	11
	8	482.42	457.00	25.42	11
	9	482.42	457.00	25.42	11
	10	482.42	457.00	25.42	11
	11	482.42	457.00	25.42	11
3	12	480.13	451.00	29.13	8
	13	480.85	451.00	29.85	9
	14	481.57	451.00	30.57	10
	15	482.29	451.00	31.29	11
4	16	481.03	451.00	30.03	9
	17	479.00	451.00	28.00	7
	18	476.97	451.00	25.97	5
	19	474.94	451.00	23.94	3

HR

FILE NAME =
USER NAME =
PLOT SCALE =
PLOT DATE =

DESIGNED - RVB
CHECKED - CJC
DRAWN - UJ
CHECKED - RVB

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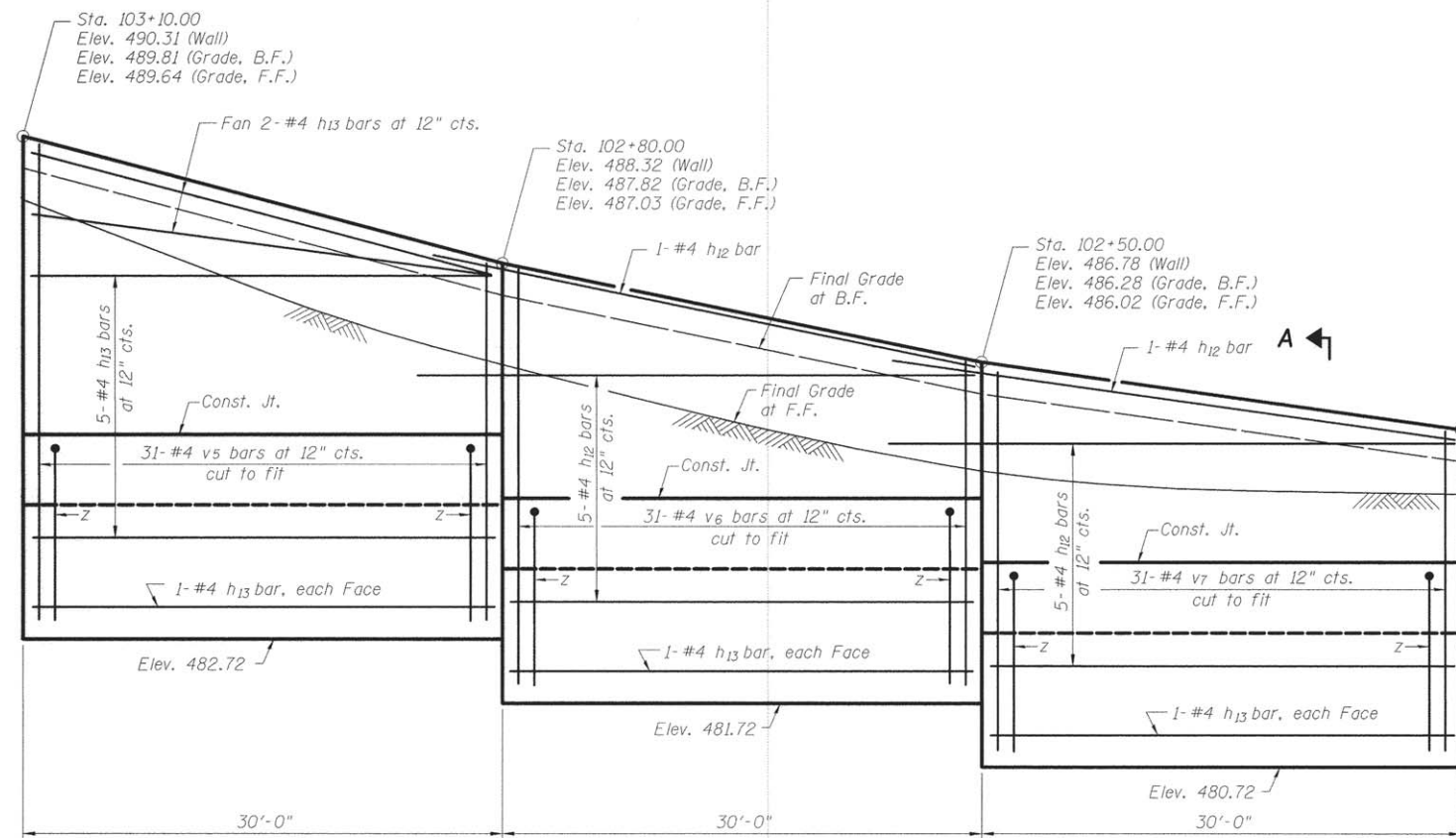
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WINGWALL DETAILS
STRUCTURE NO. 026-6012

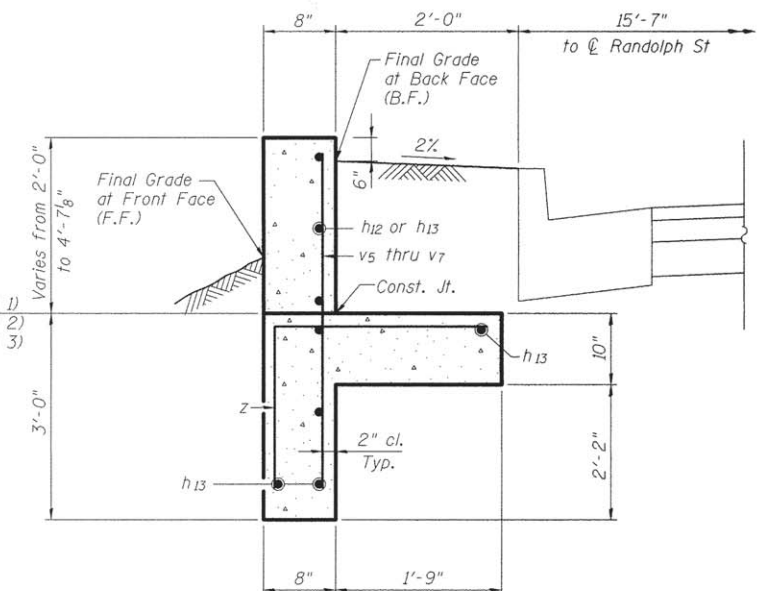
SHEET NO. 6 OF 9 SHEETS

F.A.U. RTE. 8417	SECTION 07-00059-00-DR	COUNTY FAYETTE	TOTAL SHEETS 28	SHEET NO. 15
			CONTRACT NO. 95779	
ILLINOIS FED. AID PROJECT				

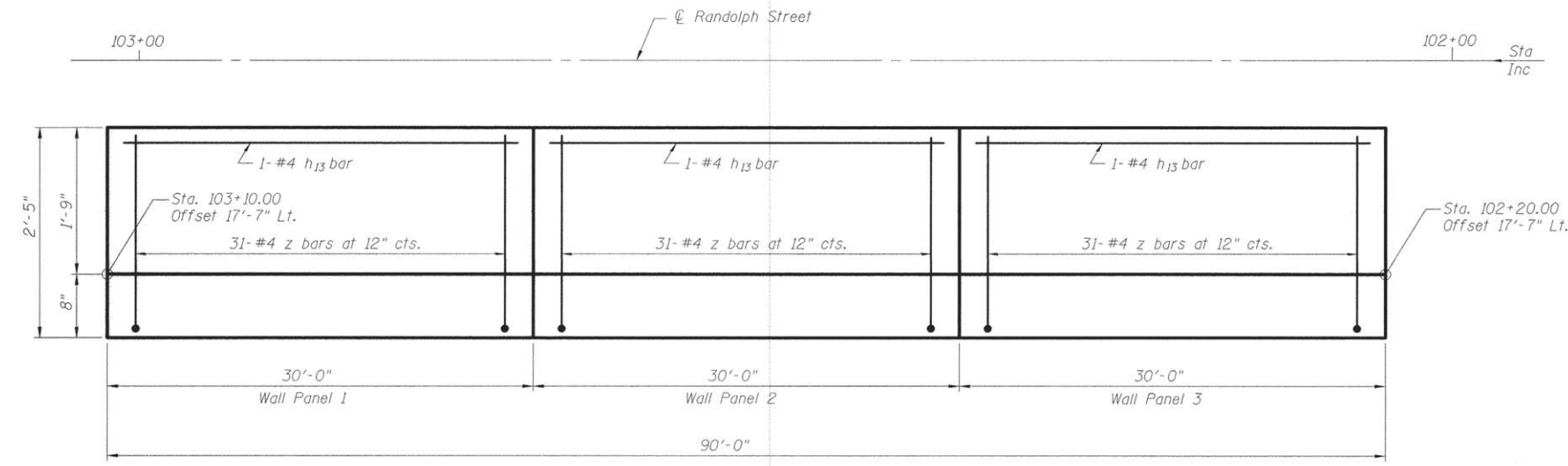
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ELEVATION VIEW
Looking South



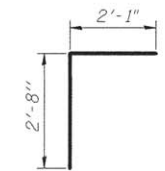
SECTION A-A



PLAN VIEW

BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
h12	12	#4	31'-8"	—	
h13	16	#4	29'-8"	—	
v5	31	#4	7'-3"	—	
v6	31	#4	6'-3"	—	
v7	31	#4	5'-9"	—	
z	93	#4	4'-9"	└	
Structure Excavation				Cu. Yd.	120
Concrete Structures				Cu. Yd.	18.2
Reinforcement Bars				Pound	1,265



BAR z

MINIMUM BAR LAP
#4 bar = 1'-8"

FILE NAME = HR
USER NAME =
DESIGNED - RVB
CHECKED - CJC
DRAWN - UJ
PLOT SCALE =
PLOT DATE =

DESIGNED - RVB
CHECKED - CJC
DRAWN - UJ
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RETAINING WALL
STRUCTURE NO. 026-6012
SHEET NO. 7 OF 9 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8417	07-00059-00-DR	FAYETTE	28	16
				CONTRACT NO. 95779
ILLINOIS FED. AID PROJECT				

Geotechnical Investigation
 North 5th St. and West Randolph St. Bridges
 Vandalia, Fayette County, Illinois
 Project # 170-0681

ATLAS SOILS, INC.
 HILLSBORO, ILLINOIS
 PHONE 217/532-3959

DATE: October 14, 2011
 BORING TECH.: M. Hough
 DRILLING TECH.: M. Malisia

FOUNDATION BORING LOG									
BORING NO.: 1	N	Qu	W	REC	GROUNDWATER ELEV.	N	Qu	W	REC
Centerline Box Culvert	Value	(tsf)	(%)	(%)	COMP.: --	Value	(tsf)	(%)	(%)
Sta. 300+29.33, 25.08' Rt					AFTER 24 HRS.: --				
SURFACE ELEV.: 486.0 ft.									
TOPSOIL	0					20			
485.0 ft.									
SILTY CLAY LOAM (CL), Orangish-Brown, Moist, Medium Stiff, Trace of Sand	5	1.58	18.5	45		34	>5.05	10.8	100
Soft									
5	3	0.48	15.7	75		25	38	>5.05	10.6
480.0 ft.									
SANDY CLAY LOAM (SC), Reddish-Brown, Moist to Wet, Very Soft, Trace of Gravel	1	0.40	18.2	70	Moist to Wet, Few Sand	71	3.23	5.5	90
477.0 ft.									
SILTY CLAY LOAM TILL (CL), Gray, Wet, Very Soft, Trace of Sand and Gravel	10	2	0.40	24.1	Few Gravel	30	78	4.0	15.7
Medium Stiff									
5	NS	NS	0						
Moist, Hard					Trace of Sand and Gravel				
15	23	>5.05	12.1	80		35	47	>5.05	10.9
451.0 ft.					End of Exploration at -35.0 ft.				
Light Brown and Gray									
41	>5.05	11.1	100						
20	35	>5.05	10.7	100		40			

N: Blows per ft. to Drive 2" O.D. Split Spoon Sampler
 12" with 140 lb. Hammer falling 30"
 (Standard Penetration Test)

Qu: Unconfined Compression Strength
 NP: Non-Plastic
 ST: Shelby Tube
 W: Water Content

Type Failure:
 B: Bulge Failure
 S: Shear Failure
 NS: No Sample
 P: Penetrometer

RQD: Rock Quality Determination

Geotechnical Investigation
 North 5th St. and West Randolph St. Bridges
 Vandalia, Fayette County, Illinois
 Project # 170-0681

ATLAS SOILS, INC.
 HILLSBORO, ILLINOIS
 PHONE 217/532-3959

DATE: October 14, 2011
 BORING TECH.: M. Hough
 DRILLING TECH.: M. Malisia

FOUNDATION BORING LOG									
BORING NO.: 1 (cont)	N	Qu	W	REC	GROUNDWATER ELEV.	N	Qu	W	REC
Centerline Box Culvert	Value	(tsf)	(%)	(%)	COMP.: --	Value	(tsf)	(%)	(%)
Sta. 300+29.33, 25.08' Rt					AFTER 24 HRS.: --				
SURFACE ELEV.: 486.0 ft.									
TOPSOIL	40					60			
Notes: 1) Mud rotary drilling procedures utilized. 2) Groundwater encountered at the approximate 6 ft. depth during drilling. 3) Shelby Tube No. 1-1 pushed from 11 ft. to 13 ft. depth in adjacent borehole. 4) Flowline elevation at time of boring was approximately 476.0 ft. 5) Borehole backfilled with soil cuttings upon completion.									
40									
60									

N: Blows per ft. to Drive 2" O.D. Split Spoon Sampler
 12" with 140 lb. Hammer falling 30"
 (Standard Penetration Test)

Qu: Unconfined Compression Strength
 NP: Non-Plastic
 ST: Shelby Tube
 W: Water Content

Type Failure:
 B: Bulge Failure
 S: Shear Failure
 NS: No Sample
 P: Penetrometer

RQD: Rock Quality Determination

Geotechnical Investigation
 North 5th St. and West Randolph St. Bridges
 Vandalia, Fayette County, Illinois
 Project # 170-0681

ATLAS SOILS, INC.
 HILLSBORO, ILLINOIS
 PHONE 217/532-3959

DATE: October 13 & 14, 2011
 BORING TECH.: M. Hough
 DRILLING TECH.: M. Malisia

FOUNDATION BORING LOG									
BORING NO.: 2	N	Qu	W	REC	GROUNDWATER ELEV.	N	Qu	W	REC
Centerline Box Culvert	Value	(tsf)	(%)	(%)	COMP.: --	Value	(tsf)	(%)	(%)
Sta. 301+24.83, 10.92' Rt					AFTER 24 HRS.: --				
SURFACE ELEV.: 481.4 ft.									
TOPSOIL	0					20			
480.4 ft.									
SILTY LOAM (ML), Brown, Dry to Moist, Stiff, Trace of Gravel and Brick	10	2.0	13.8	30		38	>5.05	10.7	100
Soft									
5	3	0.48	15.7	75		25	38	>5.05	10.6
480.0 ft.									
SANDY CLAY LOAM (SC), Brown, Moist to Wet, Soft	5	2	0.40	28.9	Moist to Wet, Few Sand	25	44	>5.05	10.4
475.4 ft.									
SANDY LOAM (SP), Gray, Saturated, Very Loose, Fine to Medium Coarse	3	NP	--	70	Very Stiff	19	2.02	11.5	100
472.4 ft.									
SILTY CLAY LOAM TILL (CL), Gray, Moist, Hard, Trace of Sand and Gravel	10	32	>5.05	11.4	Hard	30	43	>5.05	15.0
Medium Stiff									
26	>5.05	12.3	55						
Moist, Hard					Trace of Sand and Gravel				
15	33	>5.05	11.3	75		35	32	4.24	13.5
446.4 ft.					End of Exploration at -35.0 ft.				
Light Brown and Gray									
24	4.00	11.9	100						
20	37	>5.05	11.8	100		40			

N: Blows per ft. to Drive 2" O.D. Split Spoon Sampler
 12" with 140 lb. Hammer falling 30"
 (Standard Penetration Test)

Qu: Unconfined Compression Strength
 NP: Non-Plastic
 ST: Shelby Tube
 W: Water Content

Type Failure:
 B: Bulge Failure
 S: Shear Failure
 NS: No Sample
 P: Penetrometer

RQD: Rock Quality Determination

FILE NAME =
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USER NAME =
 PLOT SCALE =
 PLOT DATE =

DESIGNED - RVB
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

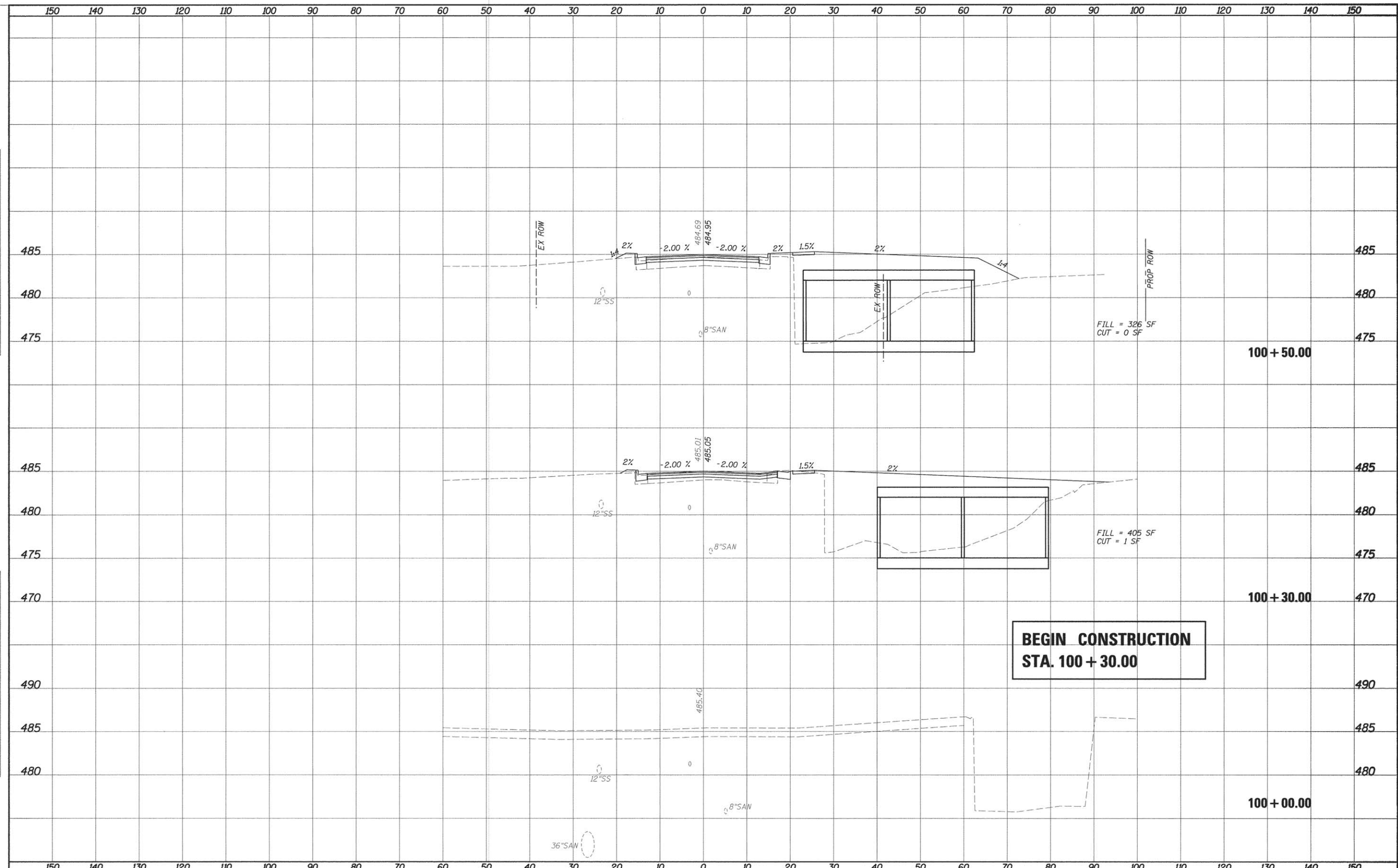
BORING LOGS
 STRUCTURE NO. 026-6012

SHEET NO. 8 OF 9 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8417	07-00059-00-DR	FAYETTE	28	17
CONTRACT NO. 95779				
ILLINOIS FED. AID PROJECT				

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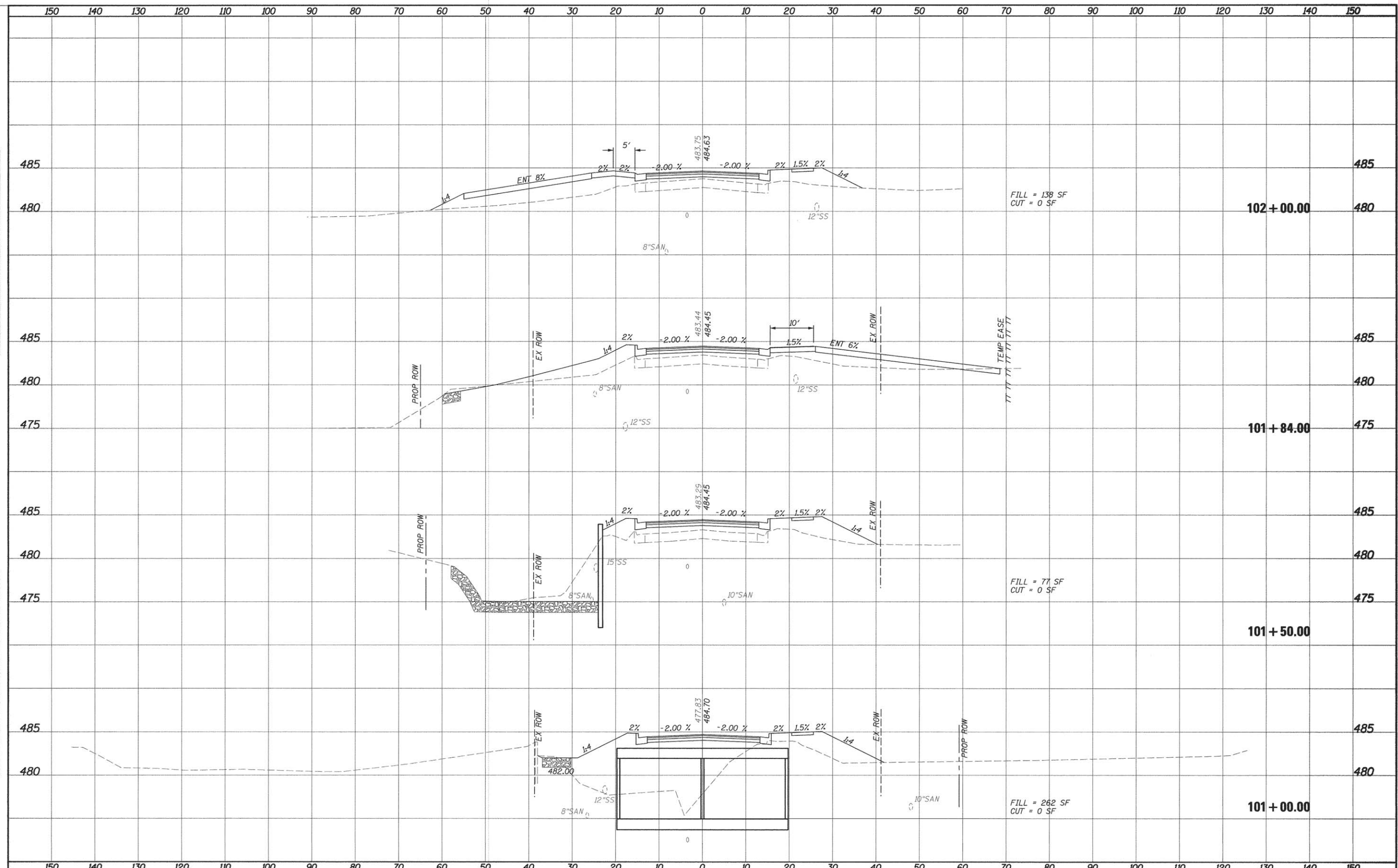


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	PLOT DATE = 12/24/2015	DATE - 11-06-15	REVISED -													

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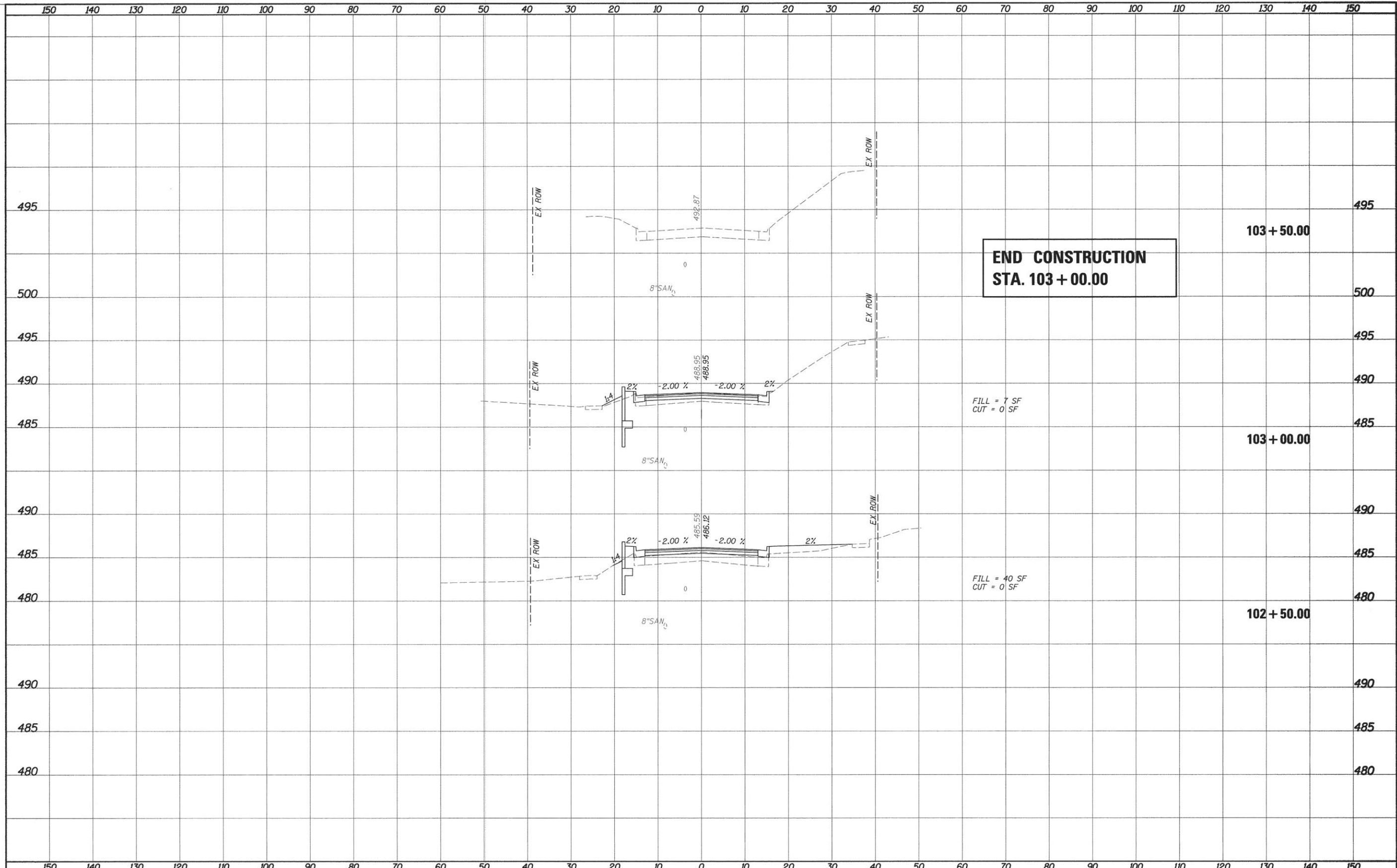


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		DATE - 11-06-15	REVISED -												

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**END CONSTRUCTION
STA. 103 + 00.00**

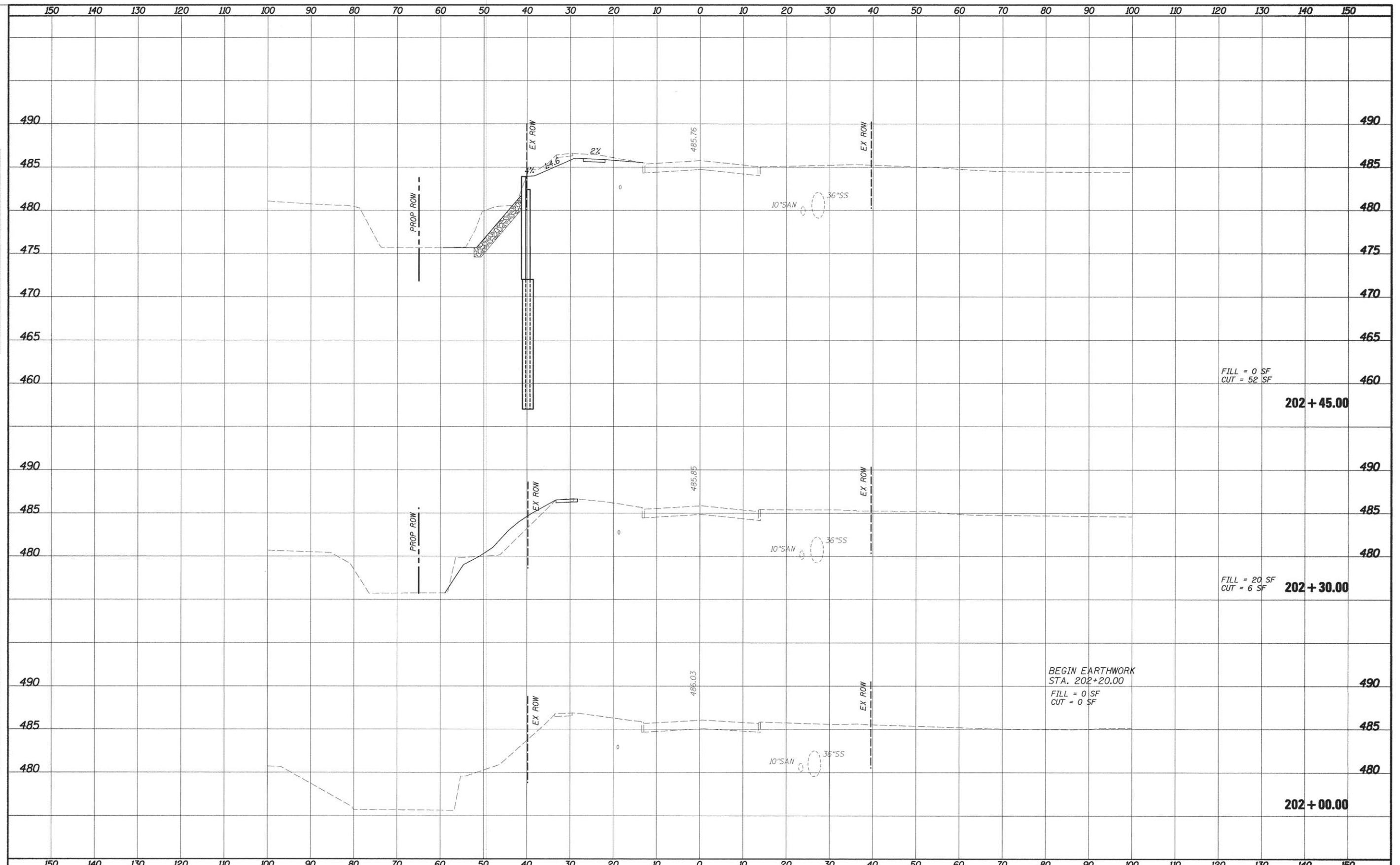
FILL = 7 SF
CUT = 0 SF

FILL = 40 SF
CUT = 0 SF

FILE NAME =	USER NAME = HURST-ROSCHE	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS RANDOLPH STREET				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\\projects\current\170-0681 vandalia 5th & randolph bridges\GEOPAK\sscc_rand.dgn		DRAWN -	REVISED -		SCALE:	SHEET 3	OF 3	SHEETS	STA. 102+08.59	TO STA. 103+50.00	FAYETTE	28	21
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	PLOT DATE = 12/24/2015	DATE - 11-06-15	REVISED -										

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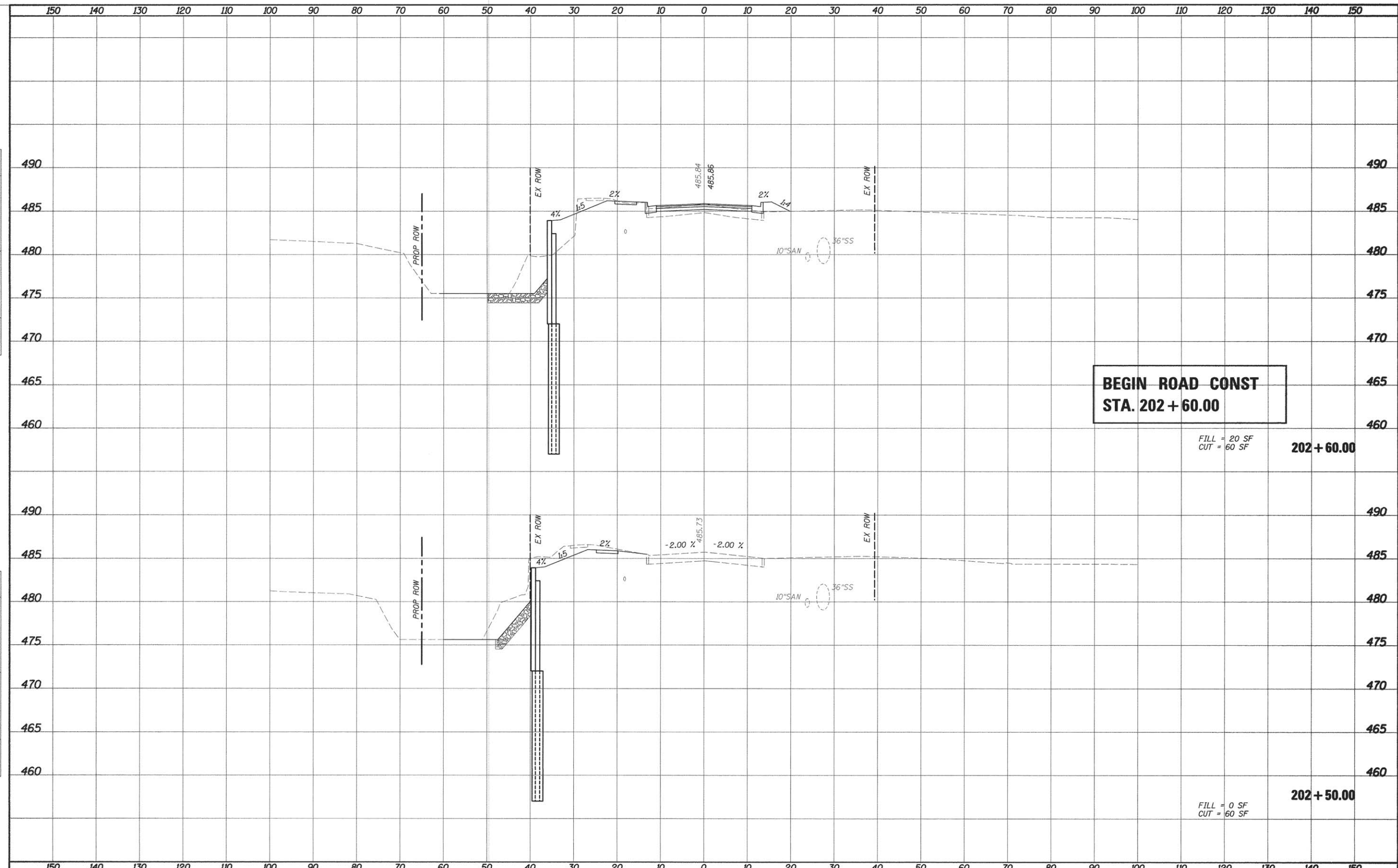


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**BEGIN ROAD CONST
STA. 202 + 60.00**

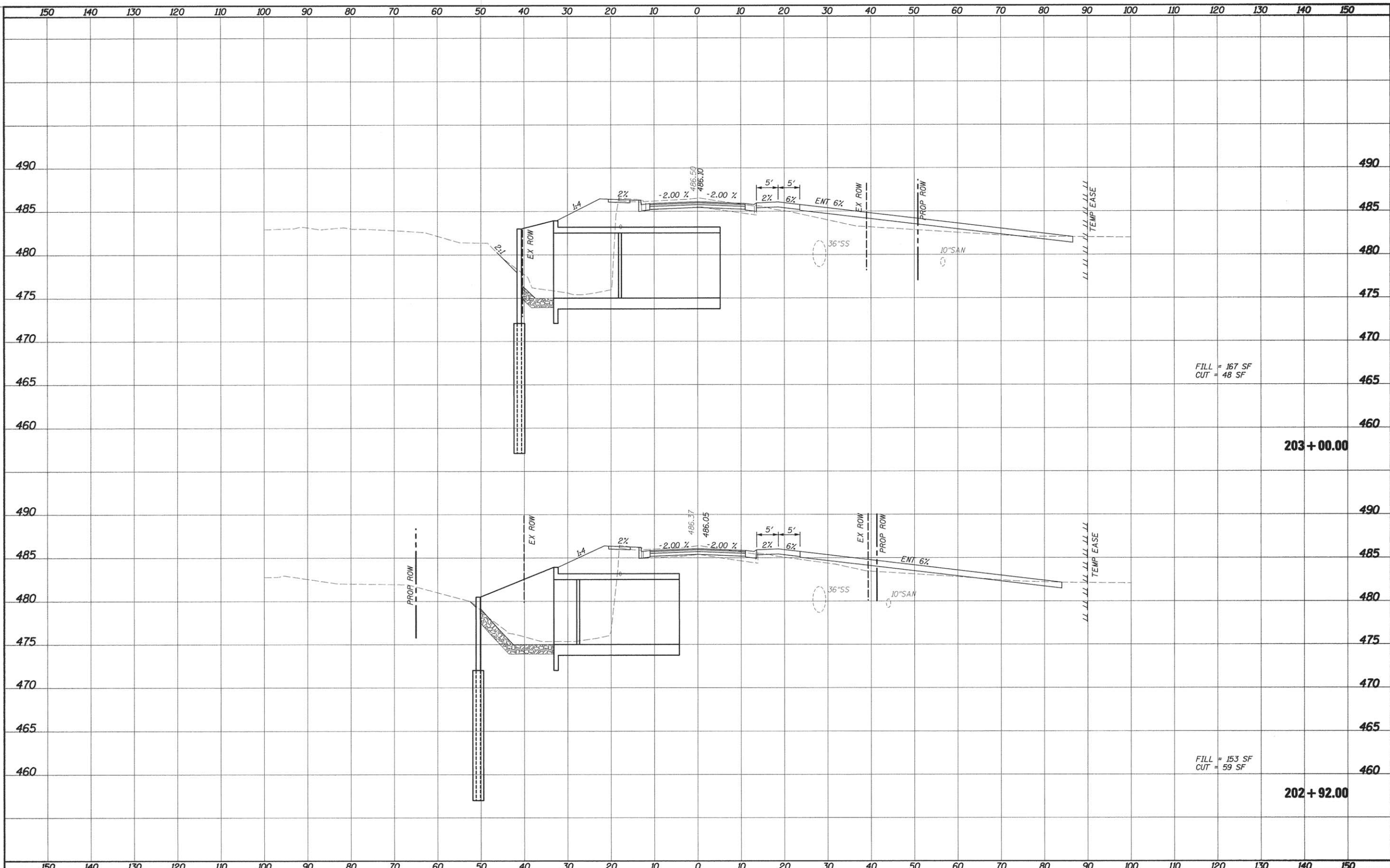
FILL = 20 SF
CUT = 60 SF
202 + 60.00

FILL = 0 SF
CUT = 60 SF
202 + 50.00

FILE NAME =	USER NAME = HURST-ROSCHE	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS 5TH STREET			F.A. RTE. 8417	SECTION 07-00059-00-DR	COUNTY FAYETTE	TOTAL SHEETS 28	SHEET NO. 23
PROJECTS\CURRENT\178-0681 vandalia 5th & ran	to\ph bridges\GEOPAK\5sec_5TH.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO. 2 OF 4 SHEETS	STA. 202+50.00 TO STA. 202+60.00	CONTRACT NO. 95779				
	PLOT SCALE = 10,000 / IN.	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
	PLOT DATE = 12/24/2015	DATE - 11-06-15	REVISED -									

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FILL = 167 SF
CUT = 48 SF

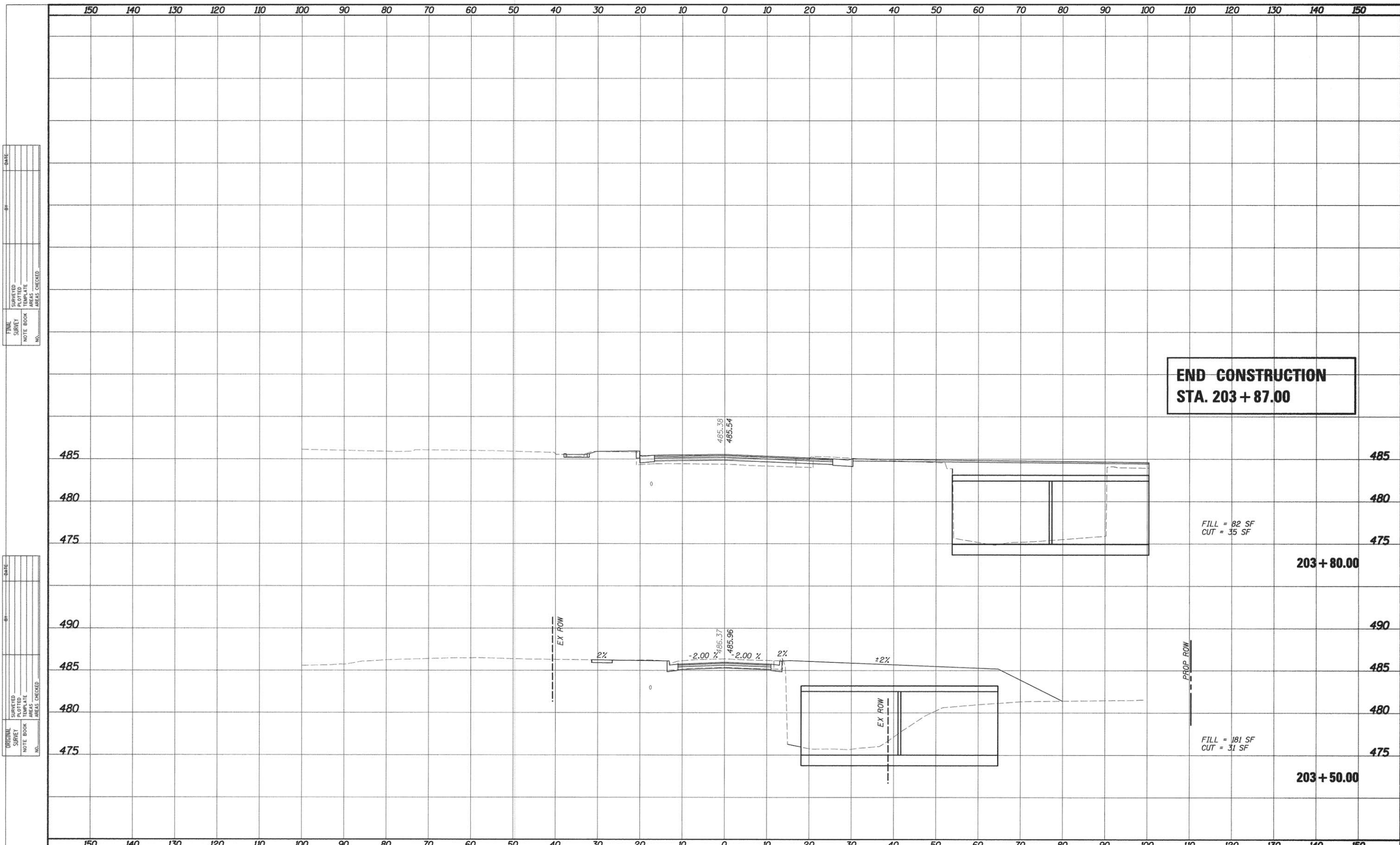
203+00.00

FILL = 153 SF
CUT = 59 SF

202+92.00

FILE NAME =	USER NAME = HURST-ROSCHE	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS 5TH STREET	F.A.R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
x:\projects\current\178-0681 vandalia 5th & ran	bolph_bridges\GEOPAK\sec.5TH.dgn	DRAWN -	REVISED -			8417	07-00059-00-DR	FAYETTE	28	24	
PLOT SCALE = 18.000' / 1" IN.	CHECKED -	REVISED -				CONTRACT NO. 95779					
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**END CONSTRUCTION
STA. 203 + 87.00**

FILL = 82 SF
CUT = 35 SF

203 + 80.00

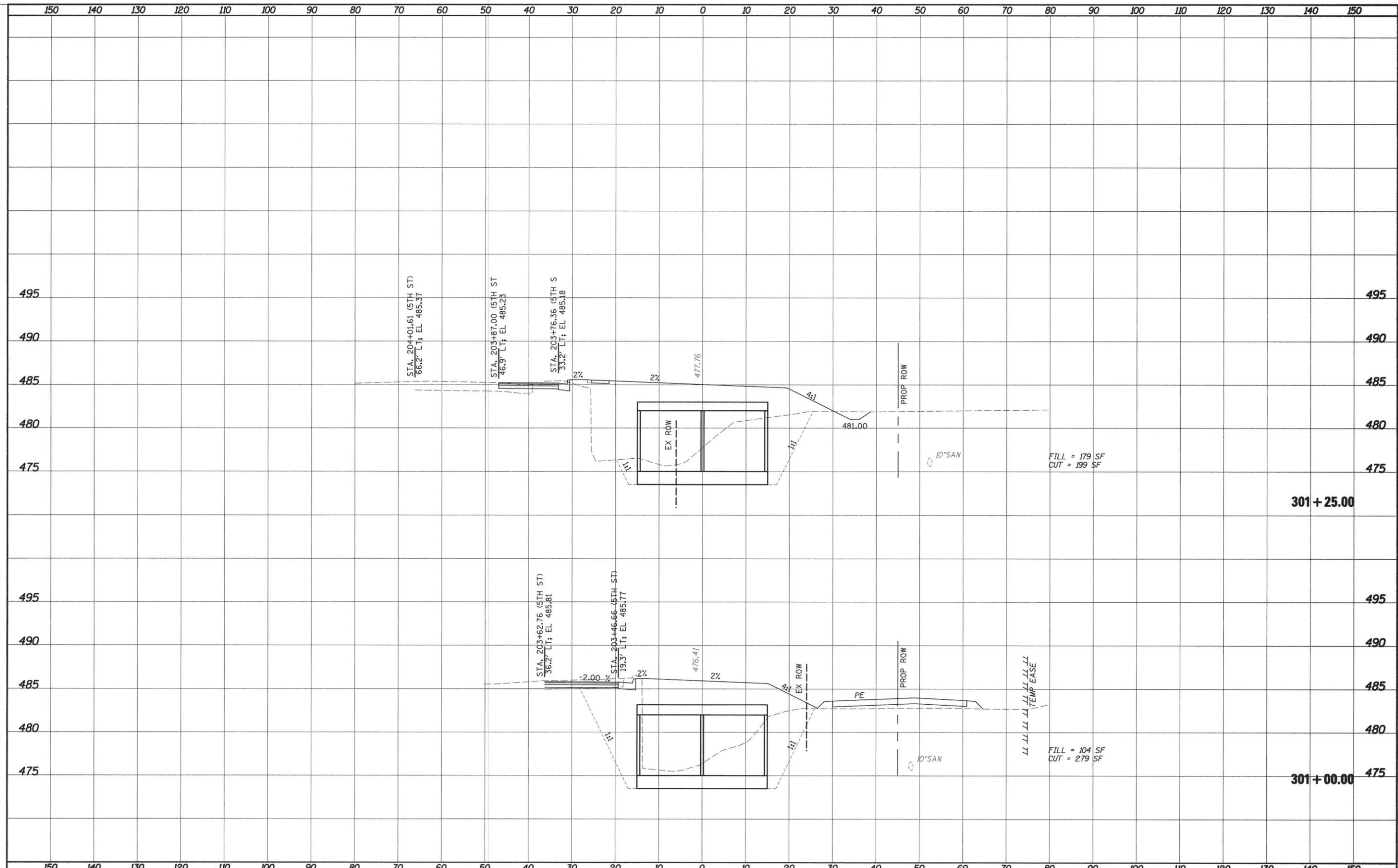
FILL = 181 SF
CUT = 31 SF

203 + 50.00

FILE NAME =	USER NAME = HURST-ROSCHKE	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS 5TH STREET			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 10,000 / IN.		CHECKED -	REVISED -					CONTRACT NO. 95779				
PLOT DATE = 12/24/2015		DATE - 11-06-15	REVISED -					ILLINOIS FED. AID PROJECT				

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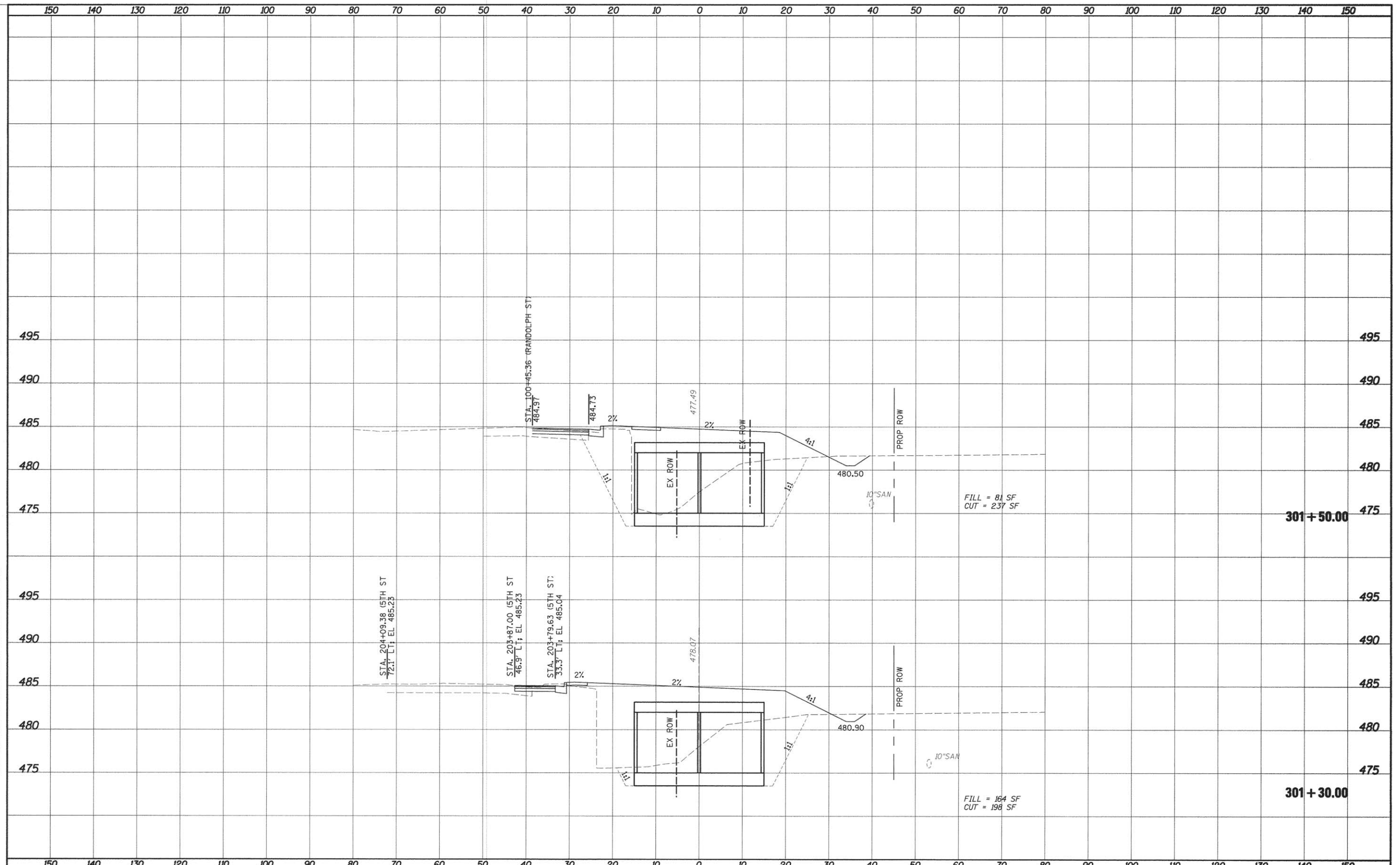


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PLOT SCALE = 10.0000' / IN.	CHECKED -	REVISED -	REVISED -		SCALE:	SHEET NO. 1 OF 3 SHEETS	STA. 301+00.00 TO STA. 301+25.00	CONTRACT NO. 95779				
PLOT DATE = 12/24/2015	DATE - 11-06-15	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							

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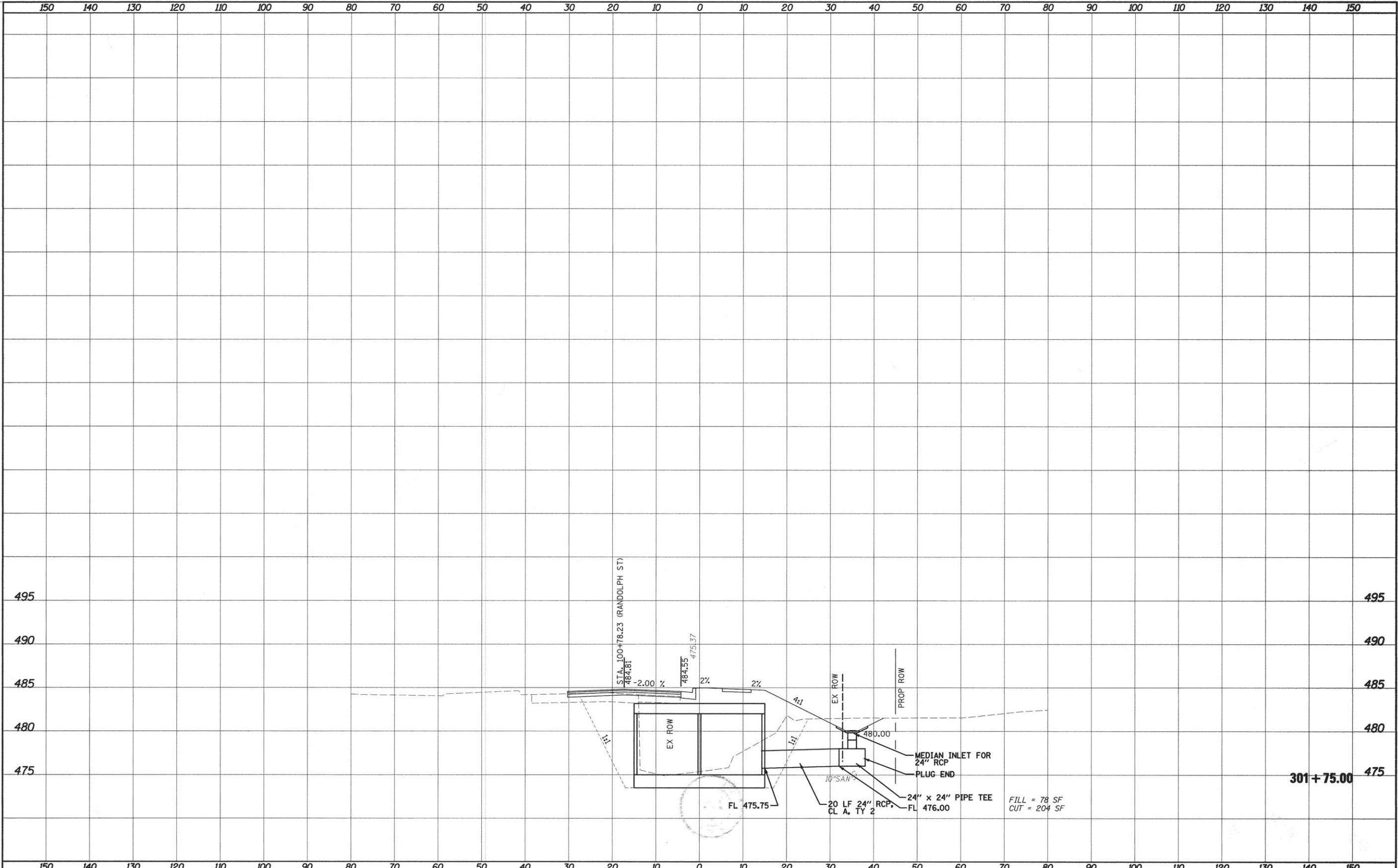
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PLOT SCALE = 10.000' / IN.	CHECKED -	REVISED -	SCALE:		SHEET NO. 2 OF 3 SHEETS	STA. 301+30.00 TO STA. 301+50.00	CONTRACT NO. 95779					
PLOT DATE = 12/24/2015	DATE - 11-06-15	REVISED -	ILLINOIS FED. AID PROJECT									

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PLOT SCALE = 10.000 "/> <td>PLOT DATE = 12/24/2015</td> <td>CHECKED -</td> <td>REVISED -</td> <td>SCALE:</td> <td>SHEET NO. 3 OF 3 SHEETS</td> <td>STA. 301+75.00 TO STA. 301+75.00</td> <td colspan="4" style="text-align: center;">ILLINOIS FED. AID PROJECT</td>	PLOT DATE = 12/24/2015	CHECKED -	REVISED -			SCALE:	SHEET NO. 3 OF 3 SHEETS	STA. 301+75.00 TO STA. 301+75.00	ILLINOIS FED. AID PROJECT			
DATE - 11-06-15	REVISED -											

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