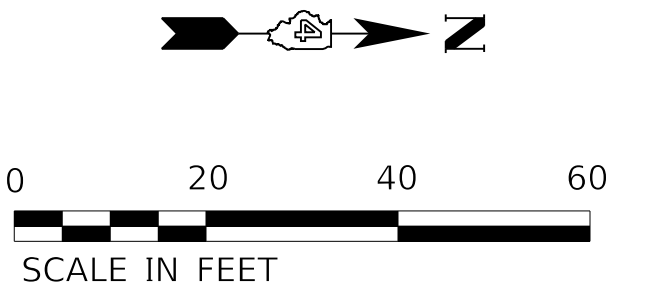
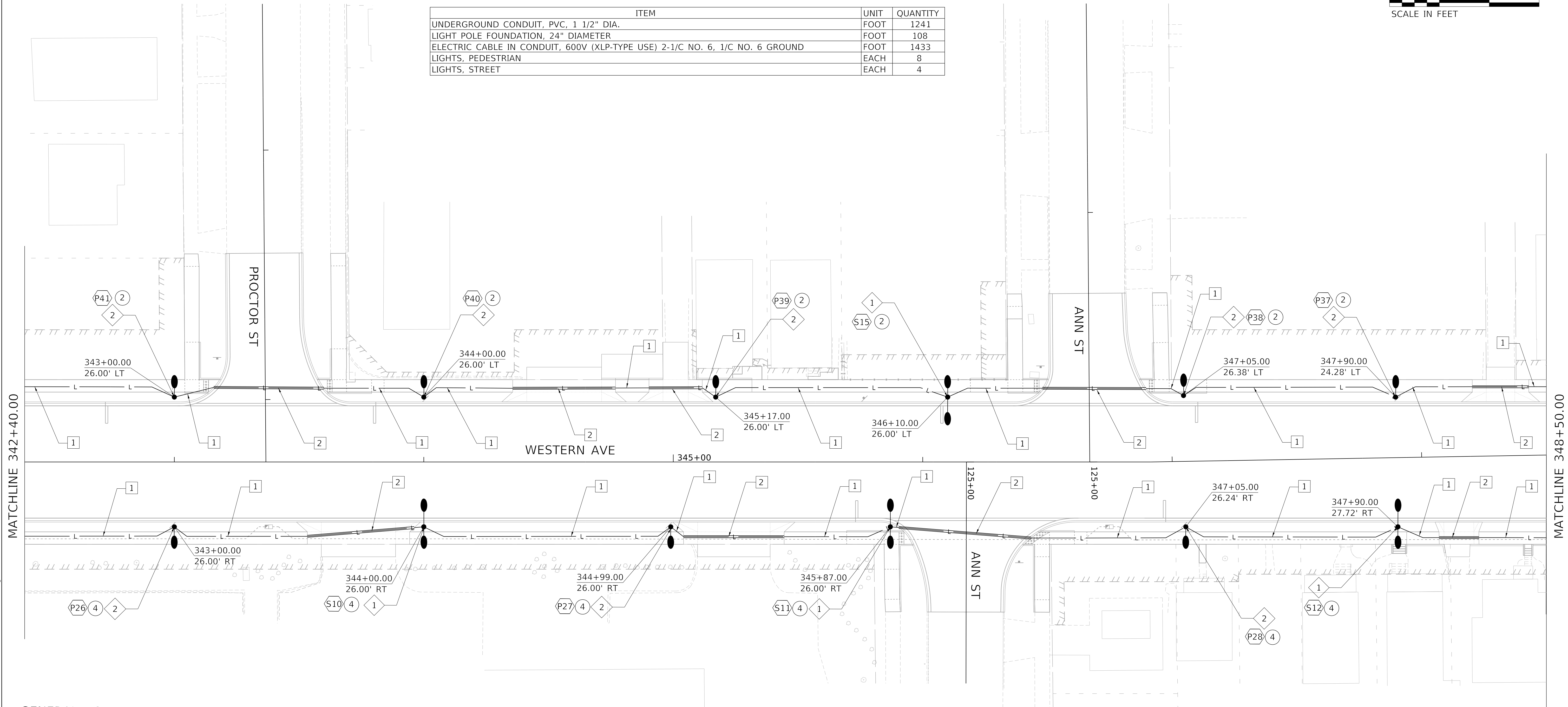


SHEET ROADWAY LIGHTING SUMMARY OF QUANTITIES



ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	1241
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	108
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1/C NO. 6, 1/C NO. 6 GROUND	FOOT	1433
LIGHTS, PEDESTRIAN	EACH	8
LIGHTS, STREET	EACH	4



GENERAL NOTES:

- REFER TO IDOT STANDARD FOR ROAD AND BRIDGE CONSTRUCTION FOR DESIGN SPECIFICATIONS.
- REFER TO LIGHTING DETAILS SHEET FOR DESIGN DETAILS FOR PORTLAND CEMENT CONCRETE HANDHOLE, LIGHT POLE CONCRETE FOUNDATION, LIGHT POLE, LIGHT POLE IDENTIFICATION, LIGHT POLE WIRING, BREAKWAY COUPLINGS ON CONCRETE FOUNDATION, AND 240V LIGHTING CONTROLLER INSTALLATION.
- REFER TO LIGHTING CIRCUIT WIRING DIAGRAM SHEET FOR CIRCUITING DETAILS.
- REFER TO LIGHTING LEGEND SHEET FOR SYMBOLOGY DETAILS AND LIGHTING FIXTURE SCHEDULE.
- RUN LIGHTING CONDUIT THROUGH INTERCONNECT HANDHOLES AND COMMUNICATION VAULTS.

CALLOUT LEGEND:

- P#** 240V, 64W SIDEWALK LIGHTING FIXTURE ON POLE. "#" DESIGNATES FIXTURE NUMBER ON PLANS.
- S#** 240V, 135W LED ROADWAY LIGHTING FIXTURE ON MAST ARM POLE WITH 64W SIDEWALK FIXTURE. "#" DESIGNATES FIXTURE NUMBER ON PLANS.
- I#** 120V, LED INTERSECTION LIGHTING FIXTURE ON MAST ARM TRAFFIC SIGNAL POLE. "#" DESIGNATES FIXTURE NUMBER ON PLANS.
- #** CIRCUIT NUMBER CALLOUT
- ◆** LIGHTING POLE DETAIL CALLOUT

KEY NOTES:

- 1** 1 1/2" PVC SCHEDULE 40 CONDUIT WITH 2-1/C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE)
- 2** 1 1/2" PVC SCHEDULE 80 CONDUIT UNDER ALL ROADWAYS AND ENTRANCES WITH 2-1/C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE)

MODEL: Default  
FILE NAME: C:\projects\16-187-005 COP Western Primary Design\CADD\Transportation\CADD\_Sheets\16-187-005-SHT-LIGHTING007.dgn



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

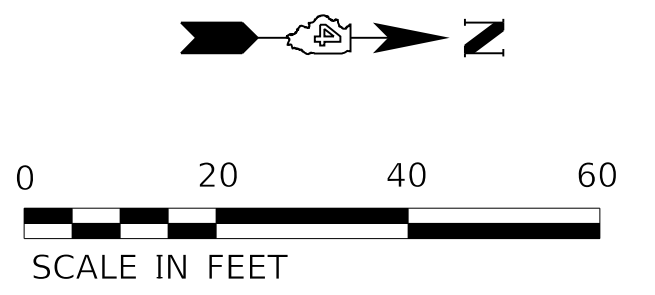
LIGHTING PLAN

SCALE: 1"=20' SHEET 8 OF 13 SHEETS STA. 342+40.00 TO STA. 348+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	301
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS		FED. AID PROJECT		

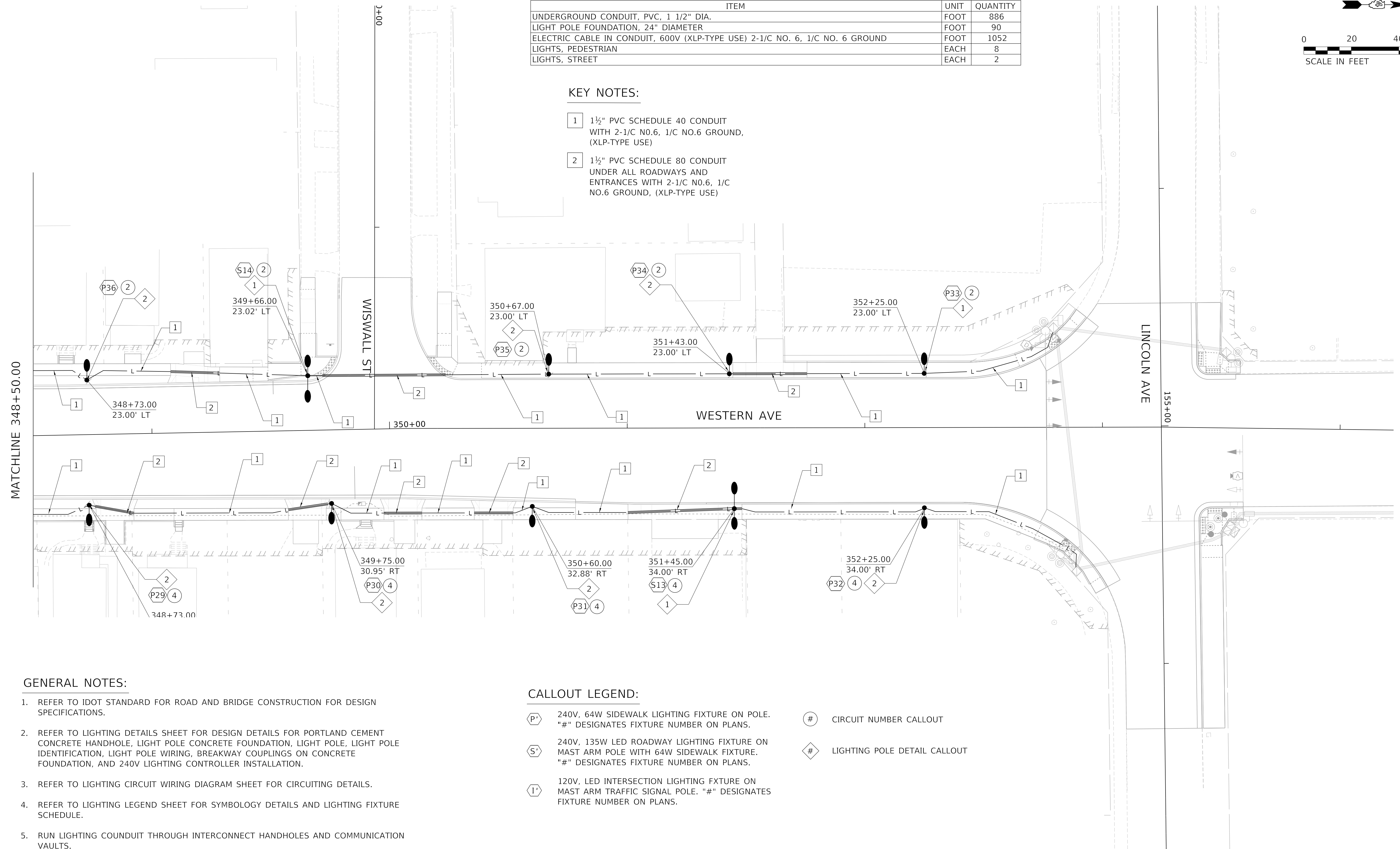
SHEET ROADWAY LIGHTING SUMMARY OF QUANTITIES

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	886
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	90
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1/C NO. 6, 1/C NO. 6 GROUND	FOOT	1052
LIGHTS, PEDESTRIAN	EACH	8
LIGHTS, STREET	EACH	2



KEY NOTES:

- 1 1 1/2" PVC SCHEDULE 40 CONDUIT WITH 2-1/C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE)
- 2 1 1/2" PVC SCHEDULE 80 CONDUIT UNDER ALL ROADWAYS AND ENTRANCES WITH 2-1/C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE)



GENERAL NOTES:

- REFER TO IDOT STANDARD FOR ROAD AND BRIDGE CONSTRUCTION FOR DESIGN SPECIFICATIONS.
- REFER TO LIGHTING DETAILS SHEET FOR DESIGN DETAILS FOR PORTLAND CEMENT CONCRETE HANDHOLE, LIGHT POLE CONCRETE FOUNDATION, LIGHT POLE, LIGHT POLE IDENTIFICATION, LIGHT POLE WIRING, BREAKWAY COUPLINGS ON CONCRETE FOUNDATION, AND 240V LIGHTING CONTROLLER INSTALLATION.
- REFER TO LIGHTING CIRCUIT WIRING DIAGRAM SHEET FOR CIRCUITING DETAILS.
- REFER TO LIGHTING LEGEND SHEET FOR SYMBOLOGY DETAILS AND LIGHTING FIXTURE SCHEDULE.
- RUN LIGHTING CONDUIT THROUGH INTERCONNECT HANDHOLES AND COMMUNICATION VAULTS.

CALLOUT LEGEND:

- 240V, 64W SIDEWALK LIGHTING FIXTURE ON POLE. "#" DESIGNATES FIXTURE NUMBER ON PLANS.
- 240V, 135W LED ROADWAY LIGHTING FIXTURE ON MAST ARM POLE WITH 64W SIDEWALK FIXTURE. "#" DESIGNATES FIXTURE NUMBER ON PLANS.
- 120V, LED INTERSECTION LIGHTING FIXTURE ON MAST ARM TRAFFIC SIGNAL POLE. "#" DESIGNATES FIXTURE NUMBER ON PLANS.
- CIRCUIT NUMBER CALLOUT
- LIGHTING POLE DETAIL CALLOUT

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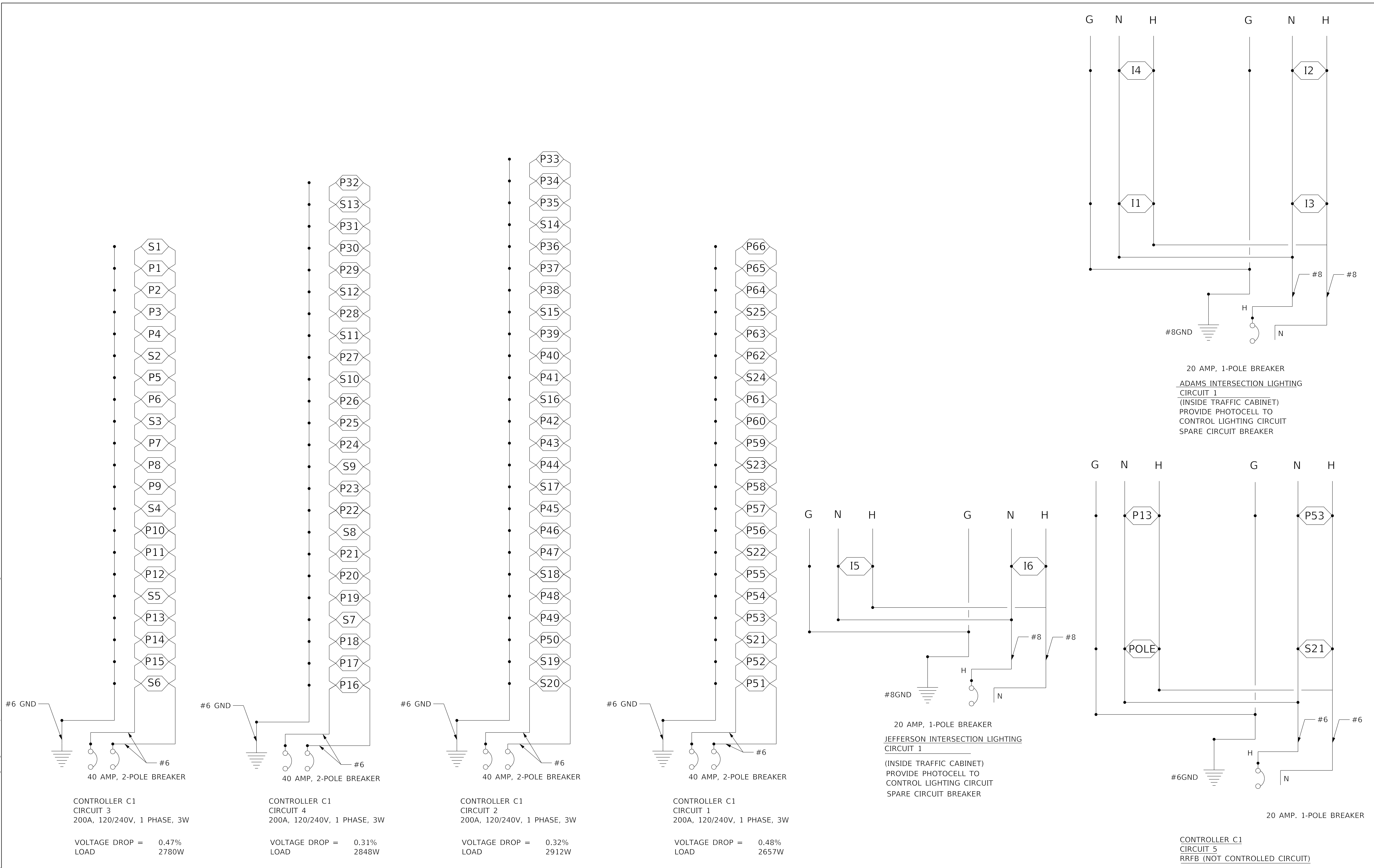
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN

SCALE: 1"=20' SHEET 9 OF 13 SHEETS STA. 348+50.00 TO STA. 354+25.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	302
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS FED. AID PROJECT				

MODEL: D:\default  
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CONTROLLER C1  
 CIRCUIT 3  
 200A, 120/240V, 1 PHASE, 3W

VOLTAGE DROP = 0.47%  
 LOAD 2780W

CONTROLLER C1  
 CIRCUIT 4  
 200A, 120/240V, 1 PHASE, 3W

VOLTAGE DROP = 0.31%  
 LOAD 2848W

CONTROLLER C1  
 CIRCUIT 2  
 200A, 120/240V, 1 PHASE, 3W

VOLTAGE DROP = 0.32%  
 LOAD 2912W

CONTROLLER C1  
 CIRCUIT 1  
 200A, 120/240V, 1 PHASE, 3W

VOLTAGE DROP = 0.48%  
 LOAD 2657W

20 AMP, 1-POLE BREAKER  
 JEFFERSON INTERSECTION LIGHTING  
 CIRCUIT 1  
 (INSIDE TRAFFIC CABINET)  
 PROVIDE PHOTOCELL TO  
 CONTROL LIGHTING CIRCUIT  
 SPARE CIRCUIT BREAKER

CONTROLLER C1  
 CIRCUIT 5  
 RRFB (NOT CONTROLLED CIRCUIT)



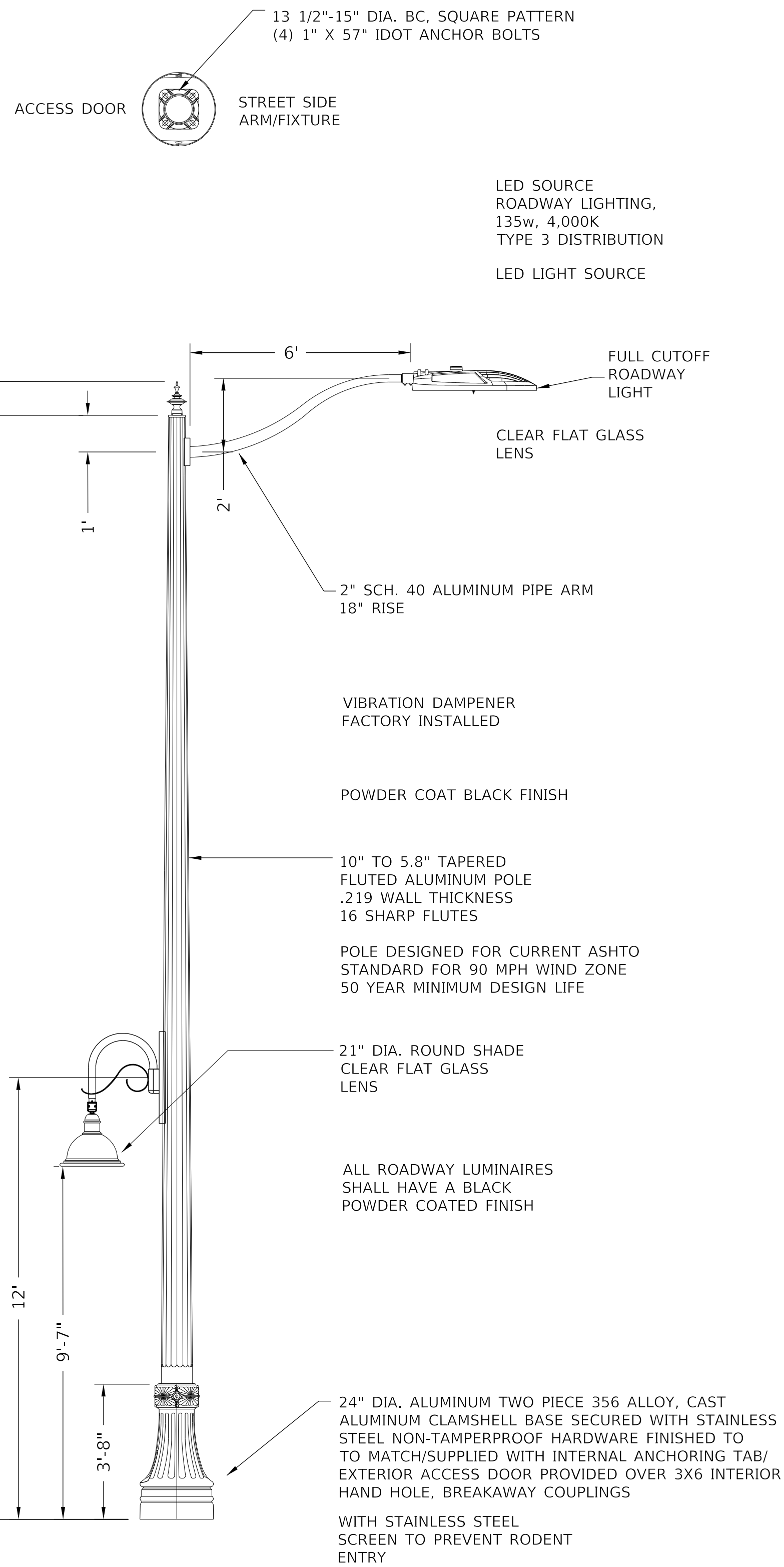
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**LIGHTING DETAILS**

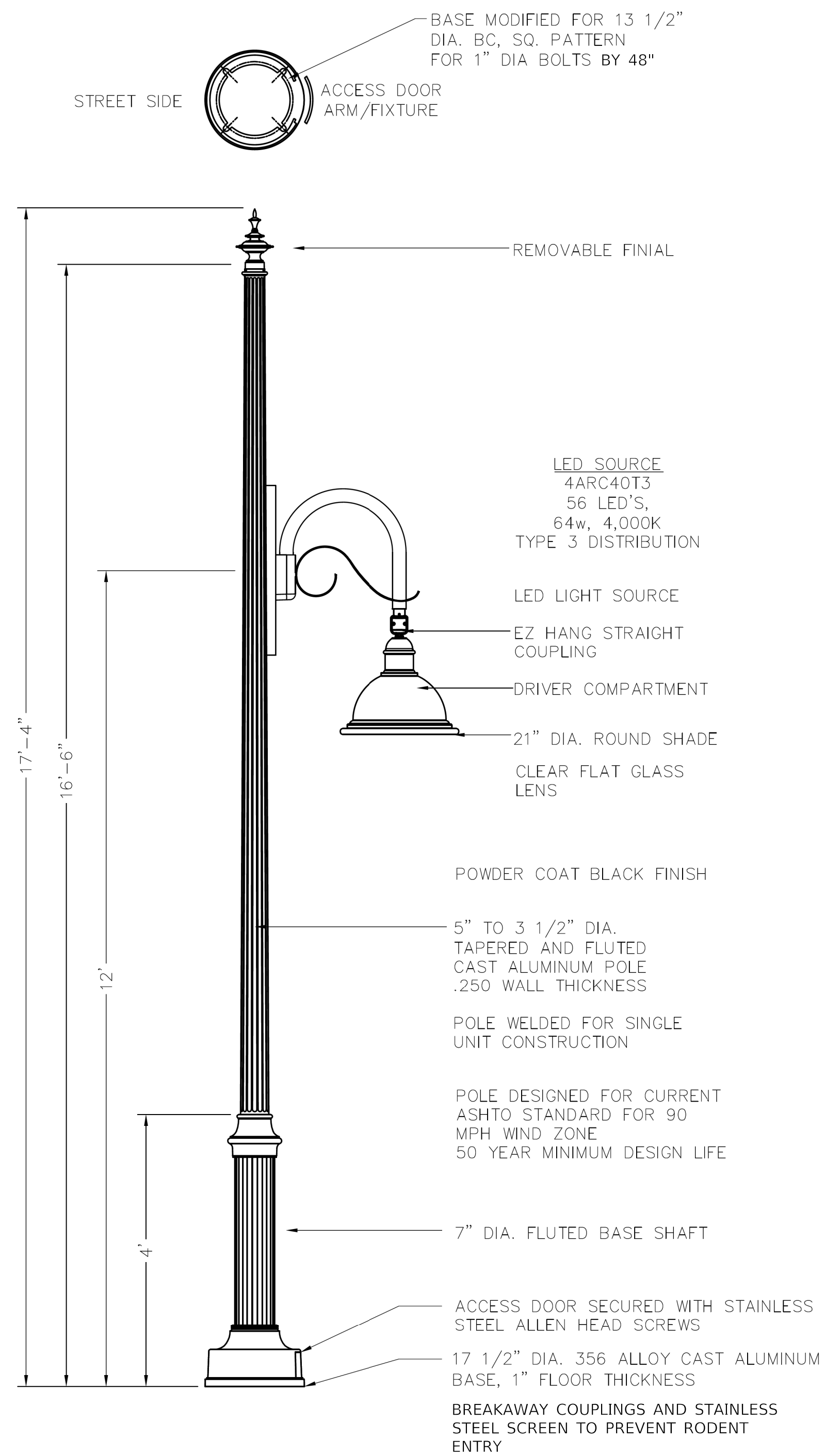
SCALE: NTS SHEET 10 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	303
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS		FED. AID PROJECT		



**COMBINATION ROADWAY AND SIDEWALK LIGHTING POLE  
("S")  
LIGHTS, STREET**

1



**SIDEWALK LIGHTING POLE  
("P")  
LIGHTS, PEDESTRIAN**

2

MODEL: Default  
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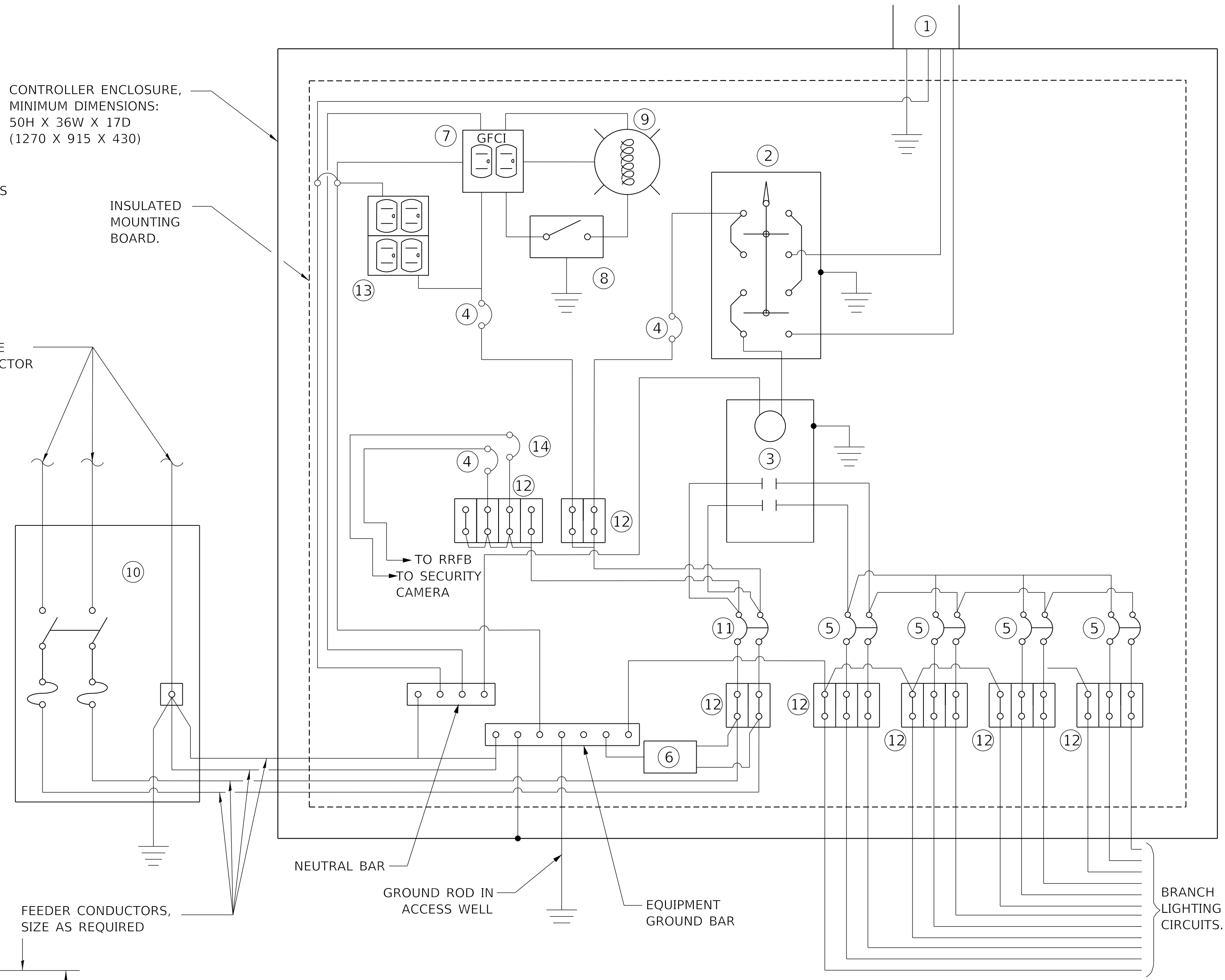
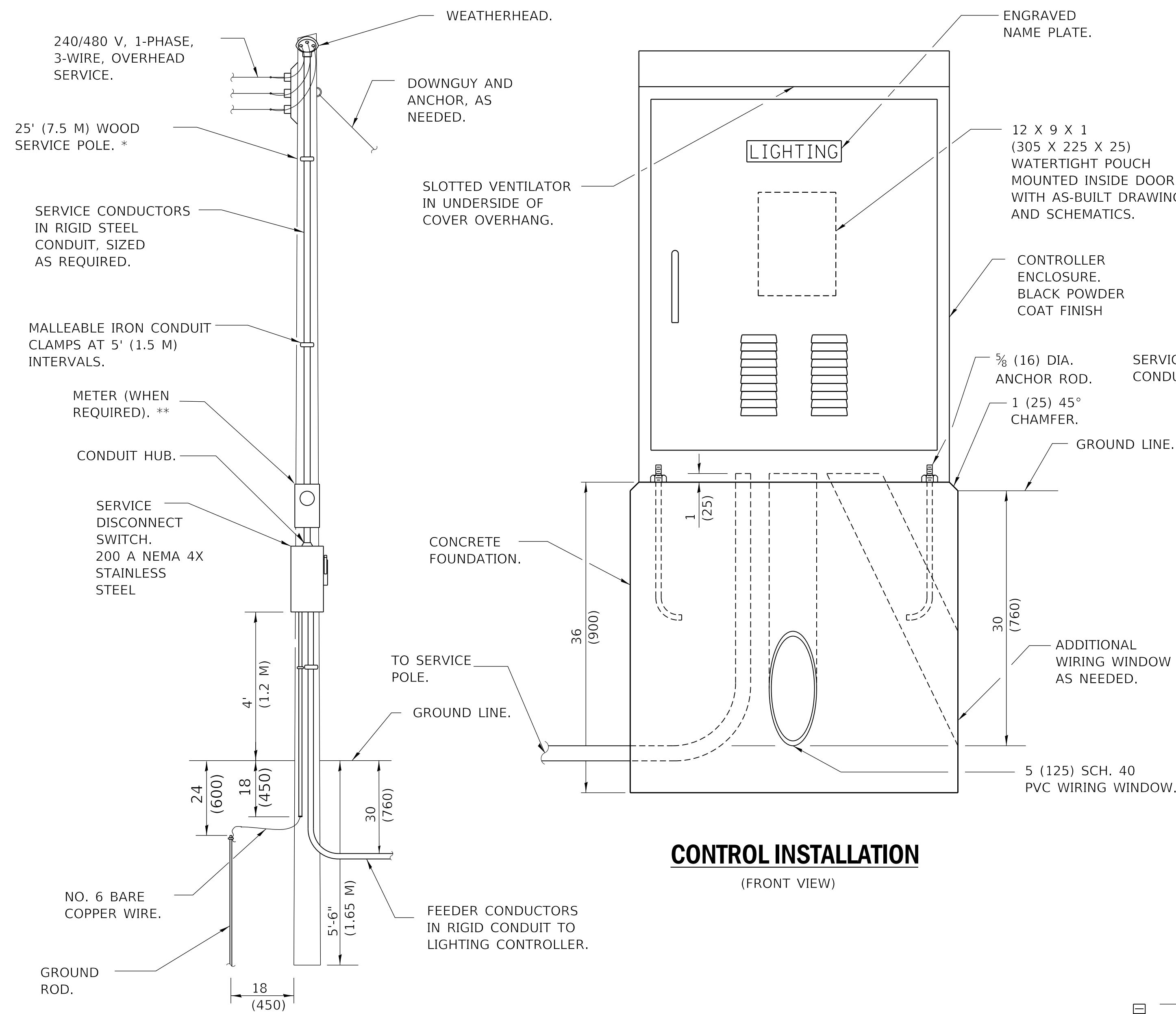
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LIGHTING DETAILS**

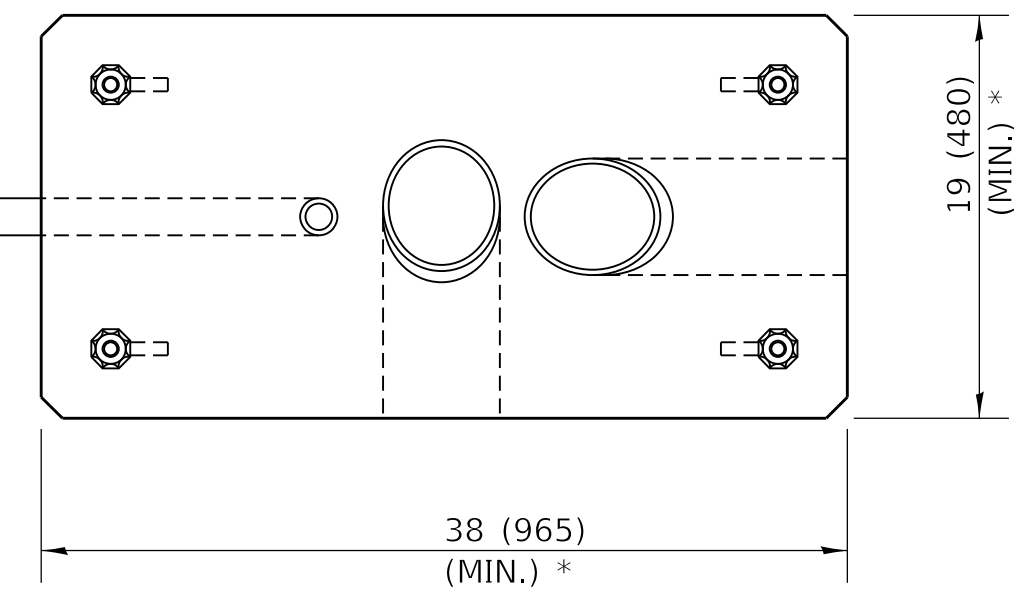
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS FED. AID PROJECT				

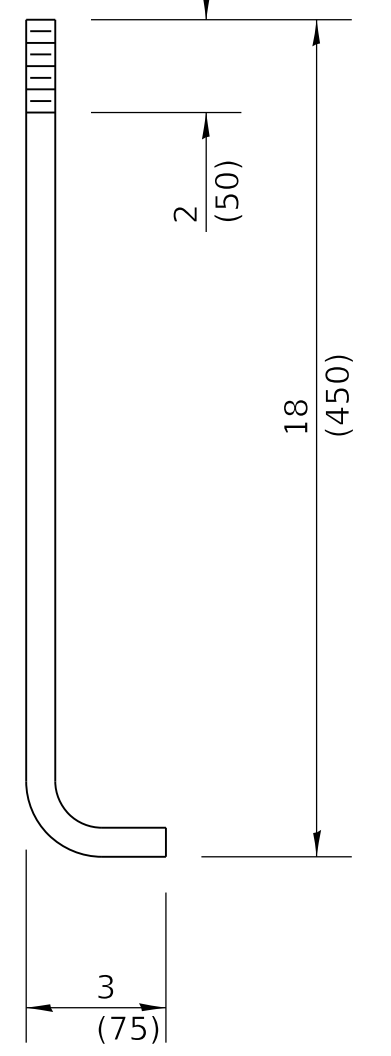


**SERVICE POLE**

**CONTROL INSTALLATION (FRONT VIEW)**



**ANCHOR ROD DETAIL**



**GENERAL NOTES**

LOCATE SERVICE POLE AND CONTROL INSTALLATION ADJACENT TO R.O.W. LINE WITH A MINIMUM DISTANCE OF 9 M (30') FROM THE EDGE OF PAVEMENT. LOCATE IN CLOSE PROXIMITY TO THE UTILITY TRANSFORMER SO THE SERVICE DROP DOES NOT EXCEED 46 M (150FT) AND THE TOTAL DISTANCE OF OVERHEAD AND UNDERGROUND CABLE (UTILITY TRANSFORMER TO LIGHTING CONTROLLER) DOES NOT EXCEED 76 M (250FT). EXACT LOCATION SHALL BE ESTABLISHED BY THE ENGINEER.

WIRING SHALL BE PANEL BOARD FASHION. ALL BENDS SHALL BE RIGHT ANGLES. ALL RUNS SHALL VERTICAL OR PARALLEL TO PANEL BOARD. WIRES SHALL BE GROUPED OR LACED.

ALL CONTROL INSTALLATION COMPONENTS SHALL BE U.L. LISTED.

RACEWAYS SHALL TERMINATE 75 (3) ABOVE TOP OF THE CONCRETE FOUNDATION.

LABEL EQUIPMENT GROUND BUSES AND NEUTRAL BUSES.

- ① PHOTOCCELL WITH INTEGRAL SURGE ARRESTER. (MOUNT IN CABINET OVERHANG)
- ② HAND-OFF-AUTO SELECTOR SWITCH.
- ③ 200 AMP, ELECTRICALLY HELD CONTRACTOR.
- ④ 20 AMP, 1-POLE CIRCUIT BREAKER.
- ⑤ 40 AMP, 2-POLE CIRCUIT BREAKER. (TWO SPARES REQUIRED BUT NOT SHOWN)
- ⑥ SURGE ARRESTER.
- ⑦ GFCI DUPLEX RECEPTACLE.
- ⑧ SINGLE-POLE, SINGLE-THROW SWITCH.
- ⑨ LED LUMINAIRE, ENCLOSED AND GASKETTED WITH 100 WATT EQUIVALENT LED LAMP.
- ⑩ SERVICE DISCONNECT SWITCH 2-POLES, 3-WIRE, 200 AMP, FUSED AT 200 AMP, SOLID NEUTRAL IN NEMA 4X ENCLOSED HAVING LOCKABLE EXTERNAL HANDLE.
- ⑪ 200 AMP, 2-POLE CIRCUIT BREAKER.
- ⑫ ADJUST THE TERMINAL STRIPS ON THE LOAD SIDE OF THE BREAKERS TO ACCOMMODATE THE ACTUAL NUMBER OF WIRES CONNECTED, SEE CIRCUIT WIRING DIAGRAM SHEET FOR DETAILS.
- ⑬ QUAD EQUIPMENT RECEPTACLE
- ⑭ 20 AMP, 1-POLE CIRCUIT BREAKER FOR RRFB (ONE SPARE REQUIRED BUT NOT SHOWN)

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LIGHTING DETAILS**

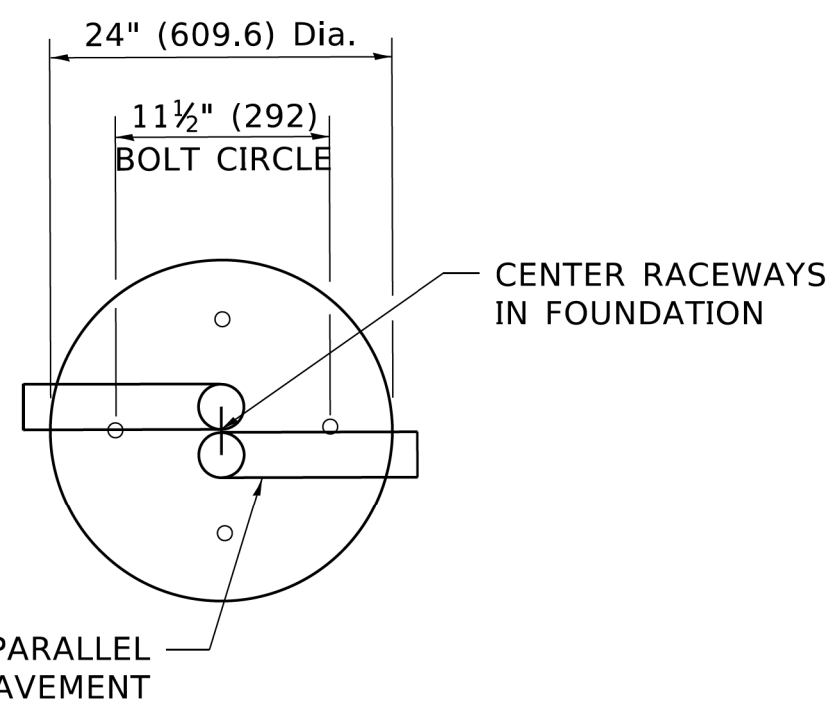
SCALE: NTS SHEET 12 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT				

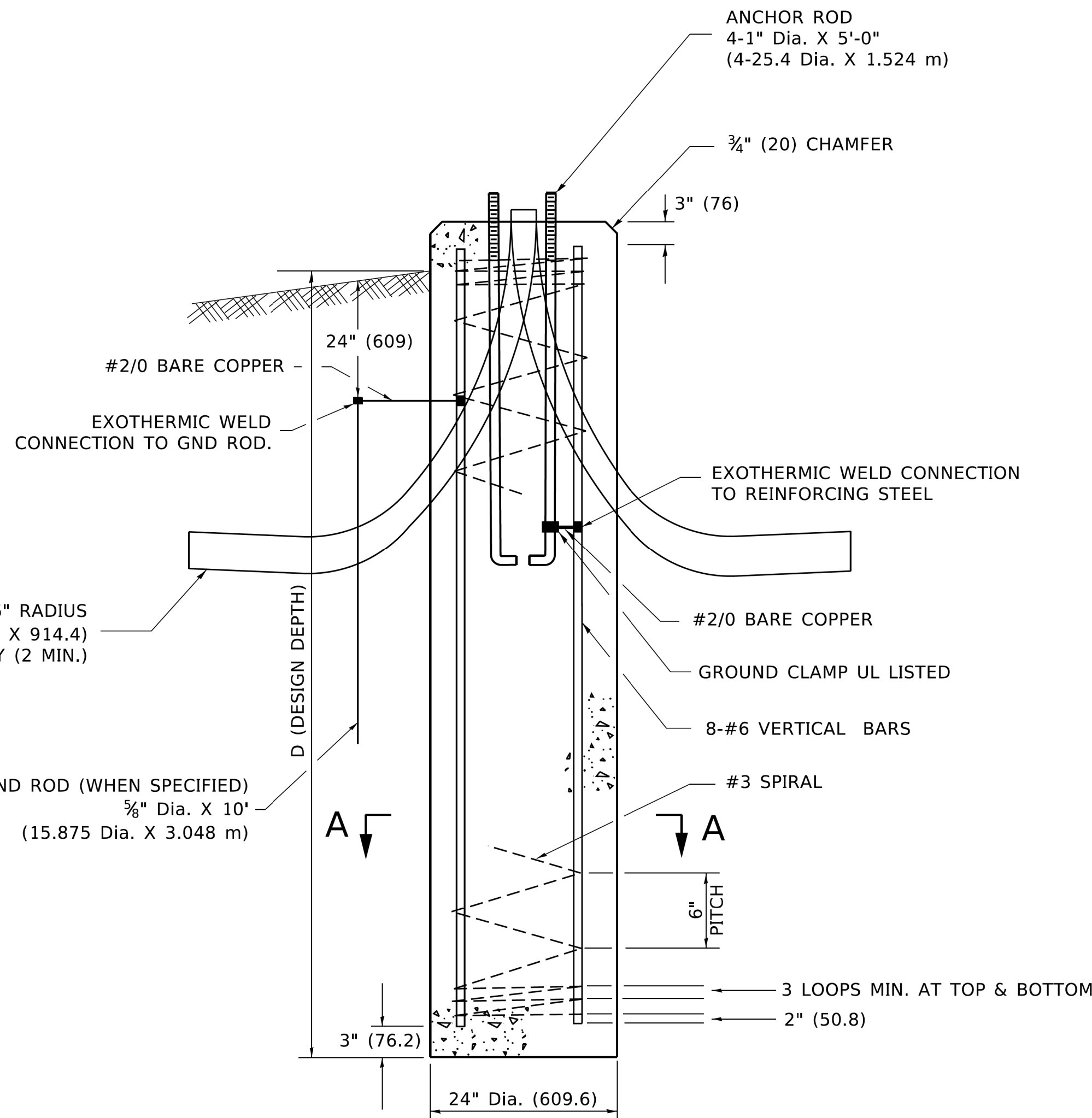
**LIGHT POLE FOUNDATION DEPTH TABLE**  
30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT.	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND φ = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND φ = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND φ = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)

NOTE:  
LIGHT POLES WITH MOUNTING HEIGHT LESS THAN 30 FT. REQUIRE 24 INCH FOUNDATION WITH 5 FT. SHAFT DEPTH PER HIGHWAY STANDARD 836001-04.



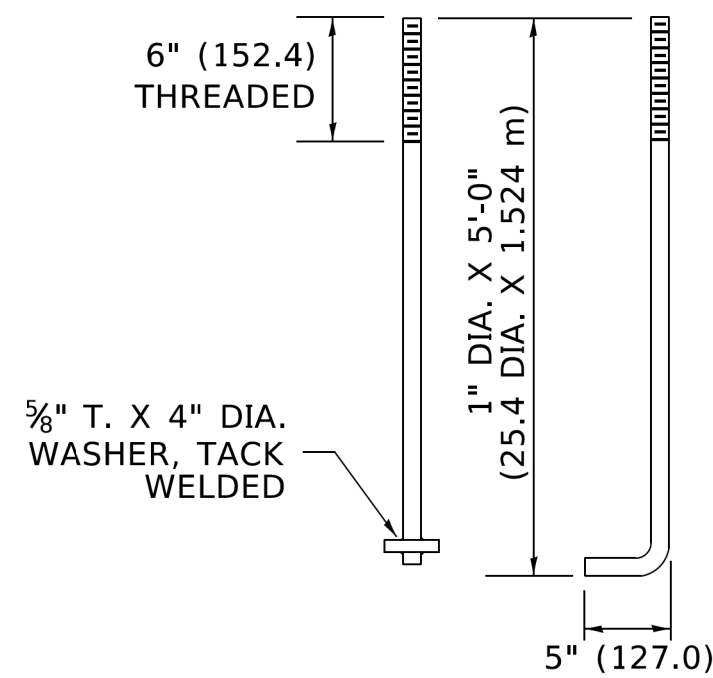
**TOP VIEW**



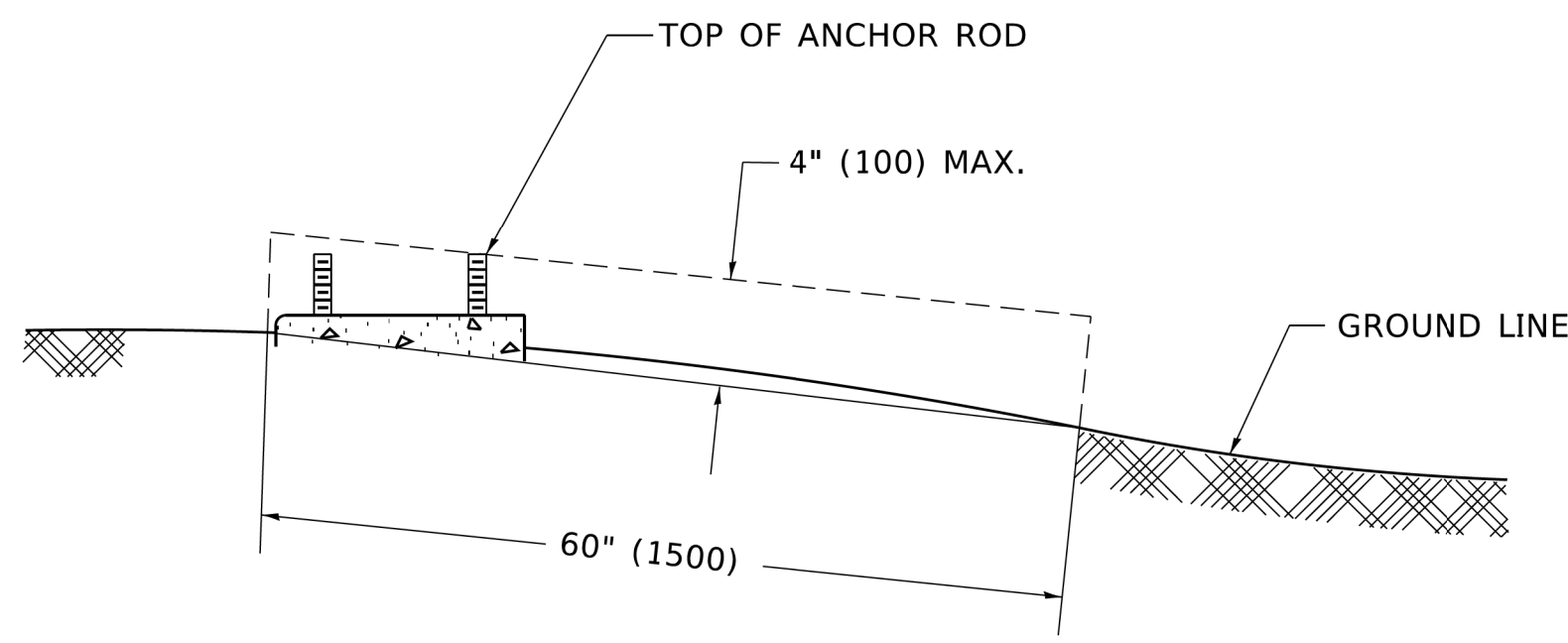
**FOUNDATION DETAIL**

**NOTES**

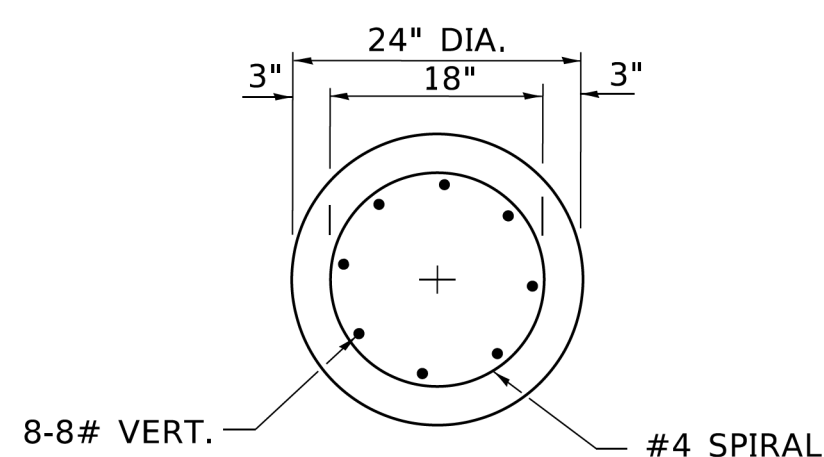
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3#4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 23#4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE DIAMETER OF THE LIGHT POLE FOUNDATION SHALL BE INCREASED AS REQUIRED TO ACCOMMODATE THE DECORATIVE BASE WITH A MINIMUM OF 1.5" CLEARANCE FROM THE OUTER EDGE OF FOUNDATION TO THE OUTER EDGE OF BASE.



**ANCHOR BOLT DETAIL**



**FOUNDATION EXTENSION DETAIL**



**SECTION A-A**

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DATE - 2/21/2020

REVISED -  
REVISED -  
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REVISED -

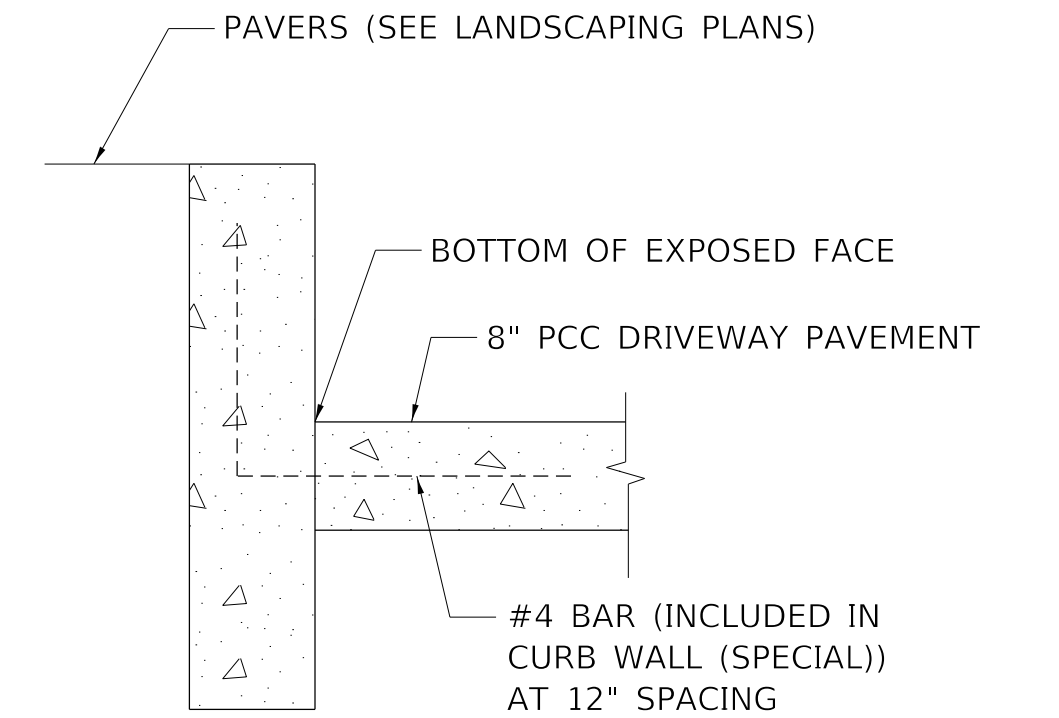
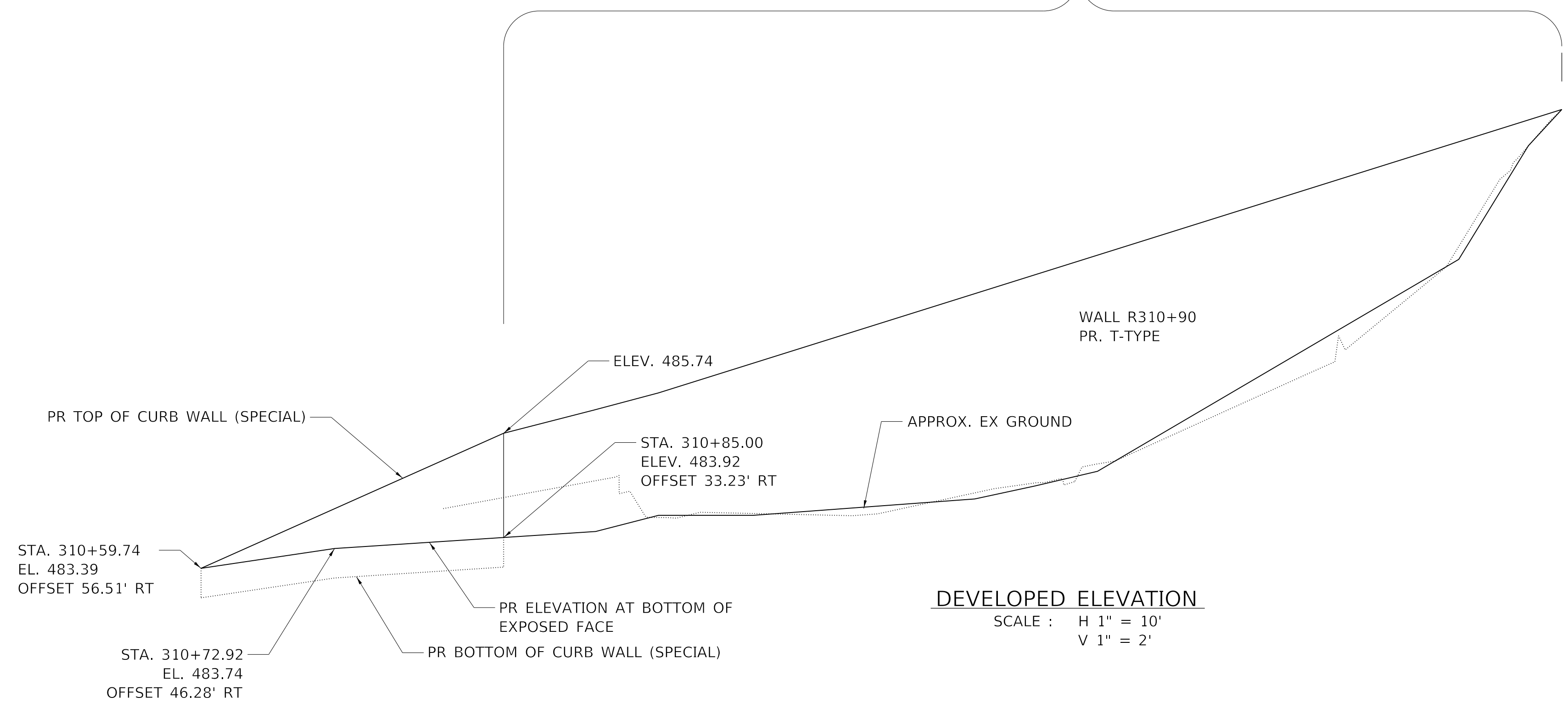
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**LIGHTING DETAILS**

SCALE: NTS SHEET 13 OF 13 SHEETS STA. TO STA.

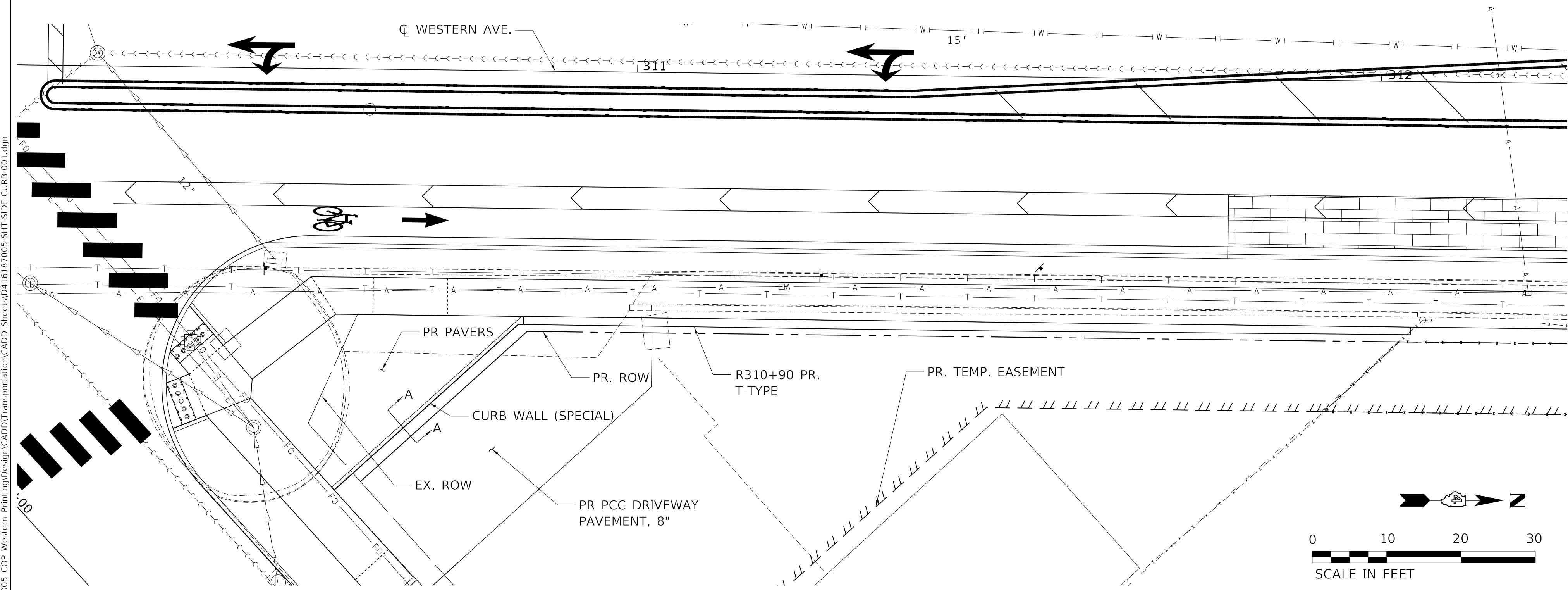
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6594	16-00368-01-PV	PEORIA	422	306
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS		FED. AID PROJECT		

SEE STRUCTURAL PLANS FOR WALL R310+90 INFORMATION



SECTION A-A  
(NOT TO SCALE)

NOTE: SEE CURB WALL (SPECIAL) DETAIL FOR ADDITIONAL INFORMATION



PLAN  
(1"=10')

MODEL: Default  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CURB WALL (SPECIAL) PLAN  
WESTERN AVENUE

SCALE: 1"=10' SHEET 1 OF 4 SHEETS STA. TO STA.

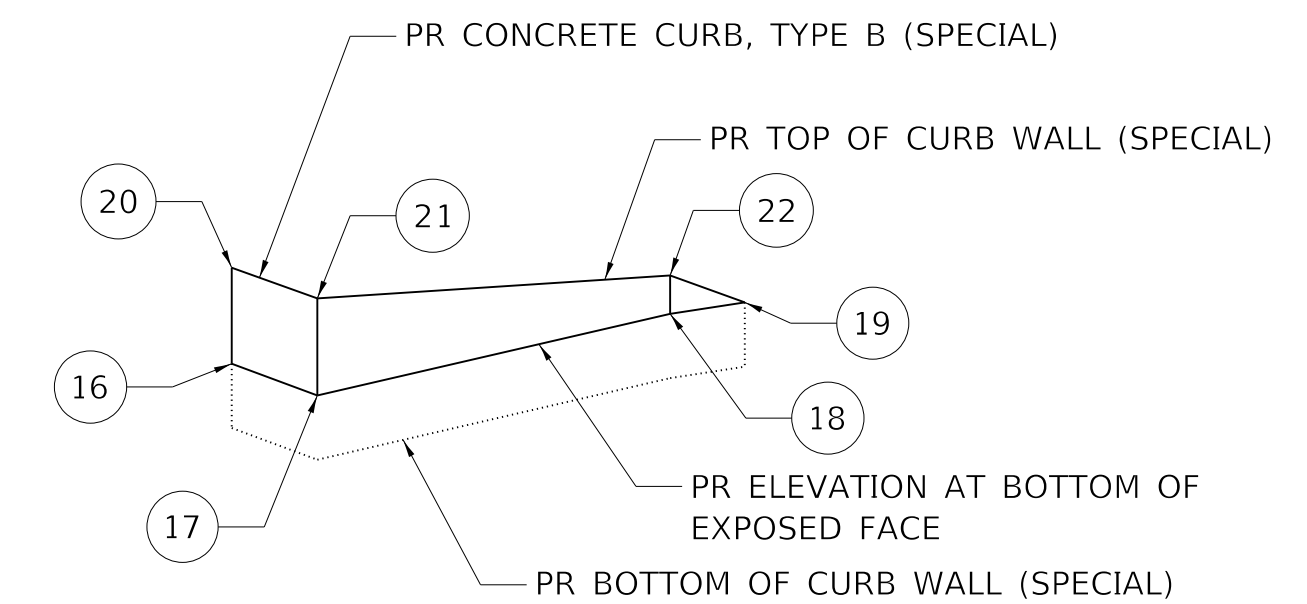
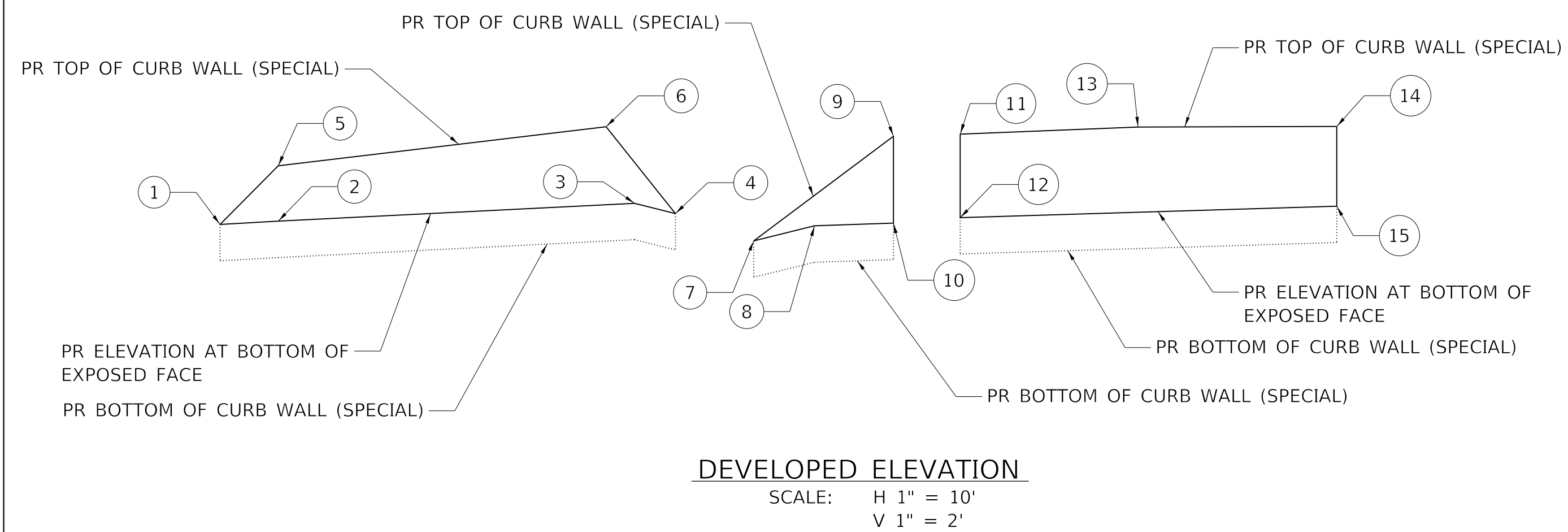
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6594	16-00368-01-PV	PEORIA	422	307
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS FED. AID PROJECT				

KEY POINT INFORMATION

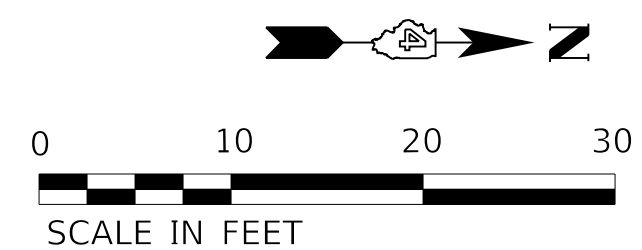
1 STA. 328+55.12, EL. 525.12	7 STA. 329+04.12, EL. 524.58, OFF. 33.00' LT	11 STA. EL. 526.49
2 STA. 328+55.49, EL. 524.34	8 STA. 329+09.73, EL. 524.85, OFF. 33.00' LT	12 STA. 329+23.16, EL. 524.95, OFF. 33.00' LT
3 STA. 328+88.34, EL. 524.67	9 EL. 526.50	13 STA. 329+39.55, EL. 526.62
4 STA. 328+92.11, EL. 524.48	10 STA. 329+17.00, EL. 524.90, OFF. 33.00' LT	14 EL. 526.63
5 STA. 328+55.49, EL. 525.36		15 STA. 329+57.87, EL. 525.16, OFF. 33.00' LT
6 STA. 328+85.71, EL. 526.08		

KEY POINT INFORMATION

16 STA. 345+09.28, EL. 527.84, OFF. 37.46' LT
17 STA. 345+09.28, EL. 527.51, OFF. 33.00' LT
18 STA. 345+27.66, EL. 528.36, OFF. 33.00' LT
19 STA. 345+31.54, EL. 528.48, OFF. 33.00' LT
20 EL. 528.84
21 EL. 528.52
22 EL. 528.76

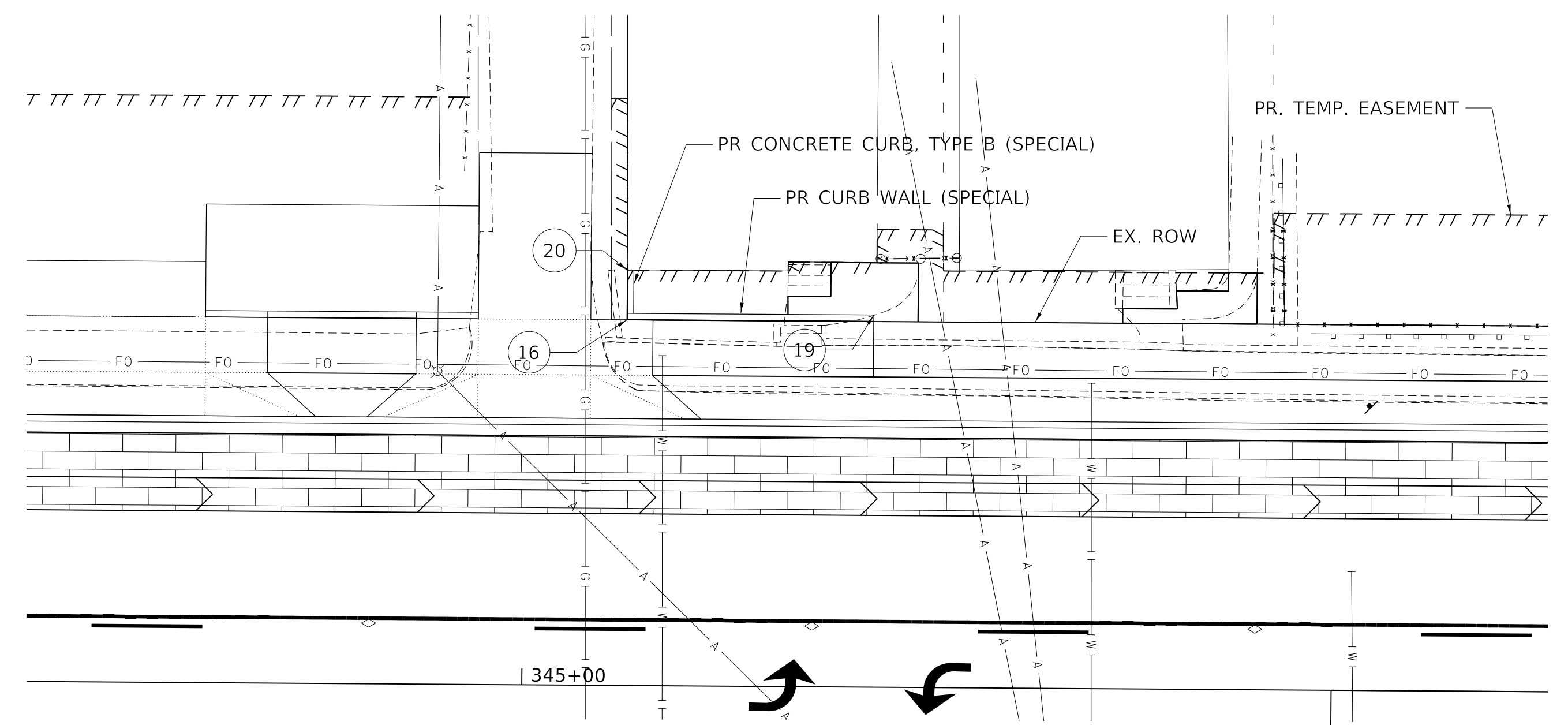
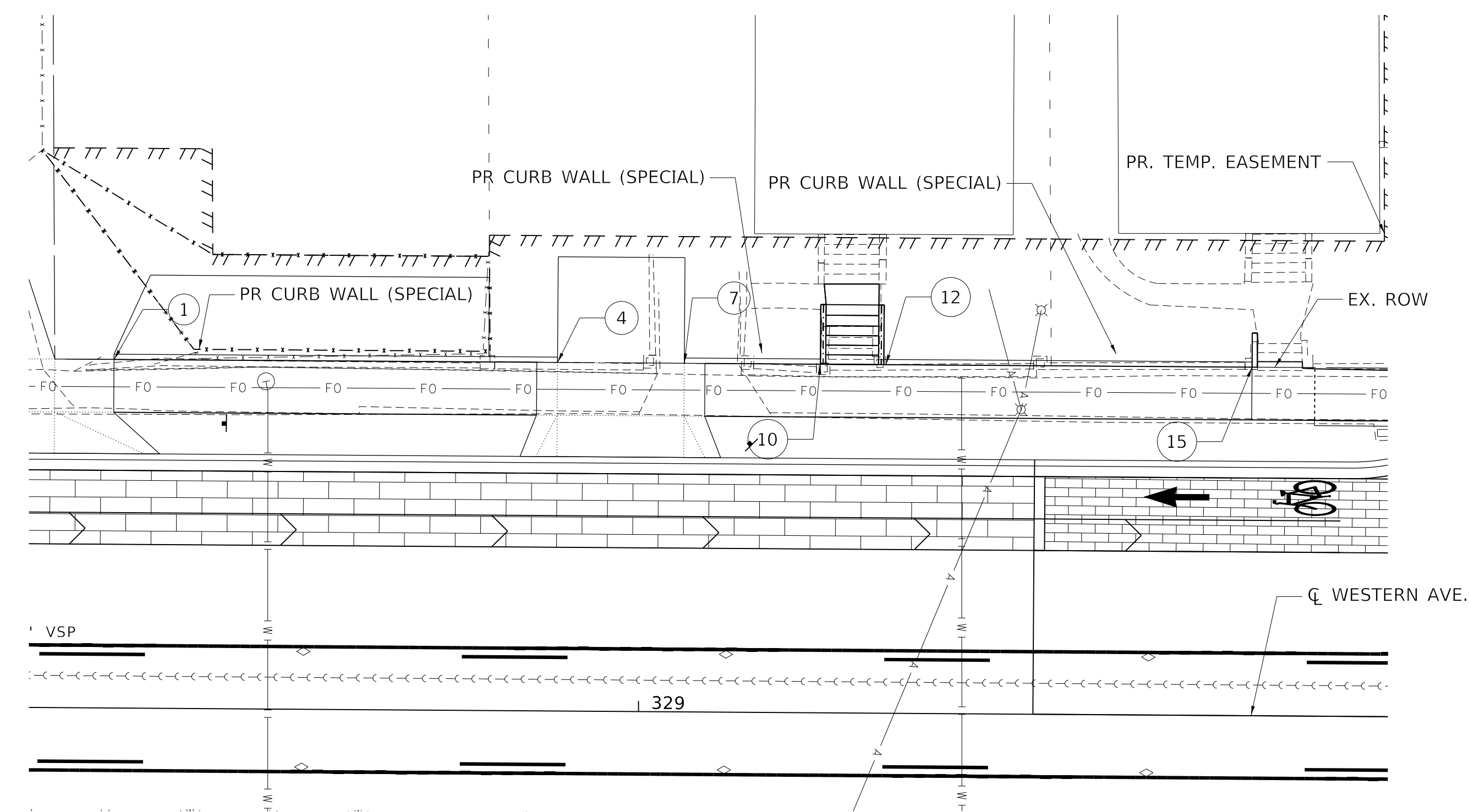
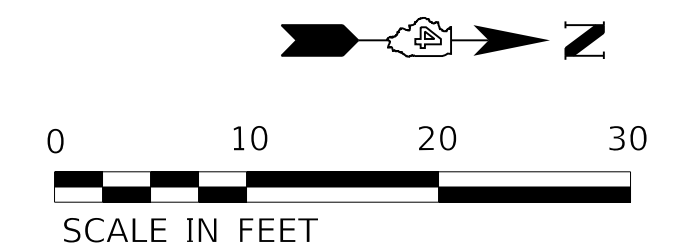


NOTE: SEE CURB WALL (SPECIAL) DETAIL



DEVELOPED ELEVATION

SCALE: H 1" = 10'  
V 1" = 2'



PLAN  
(1"=10')

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CURB WALL (SPECIAL) PLAN  
WESTERN AVENUE

SCALE: 1"=10' SHEET 2 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	308
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS FED. AID PROJECT				

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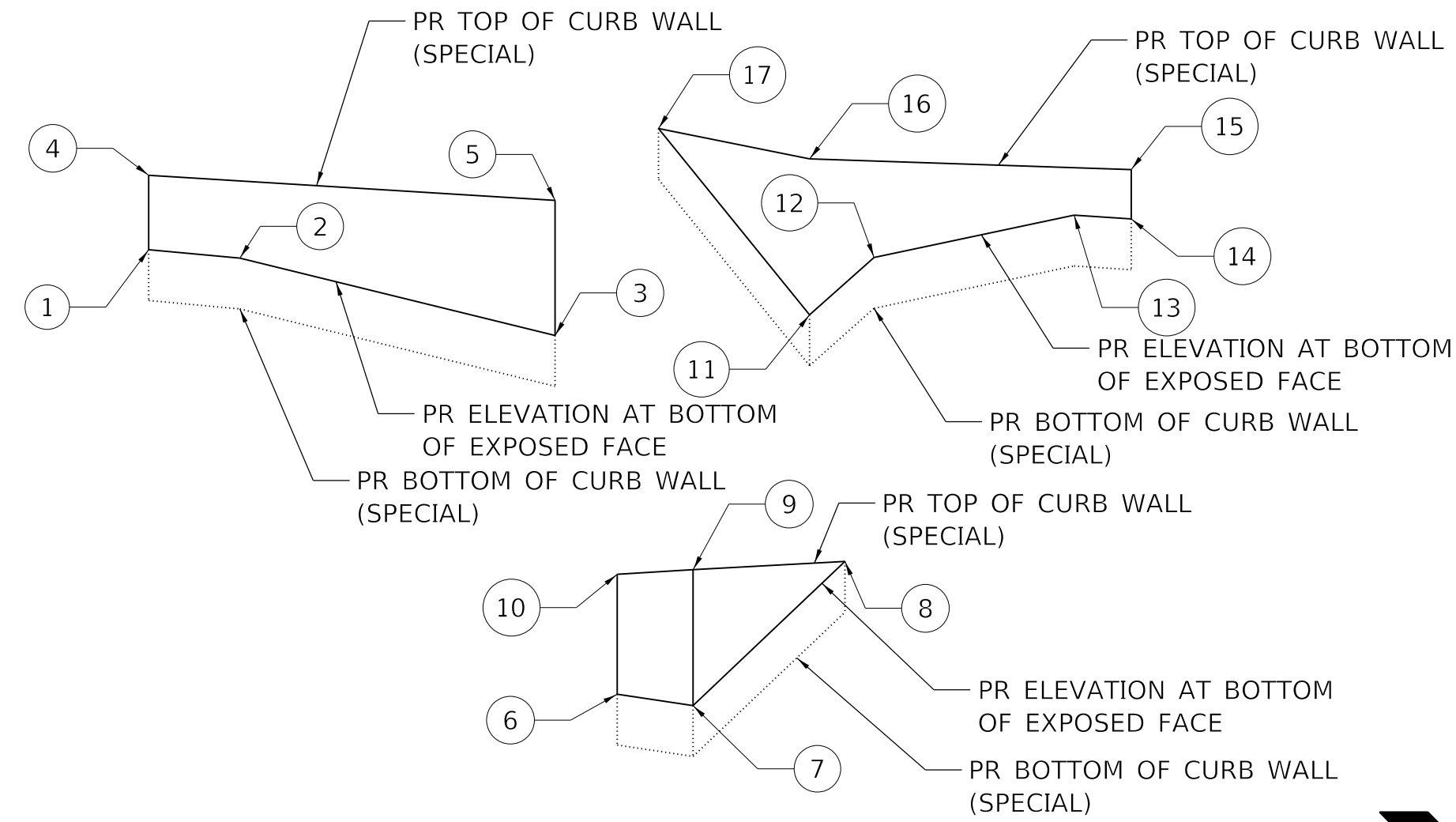


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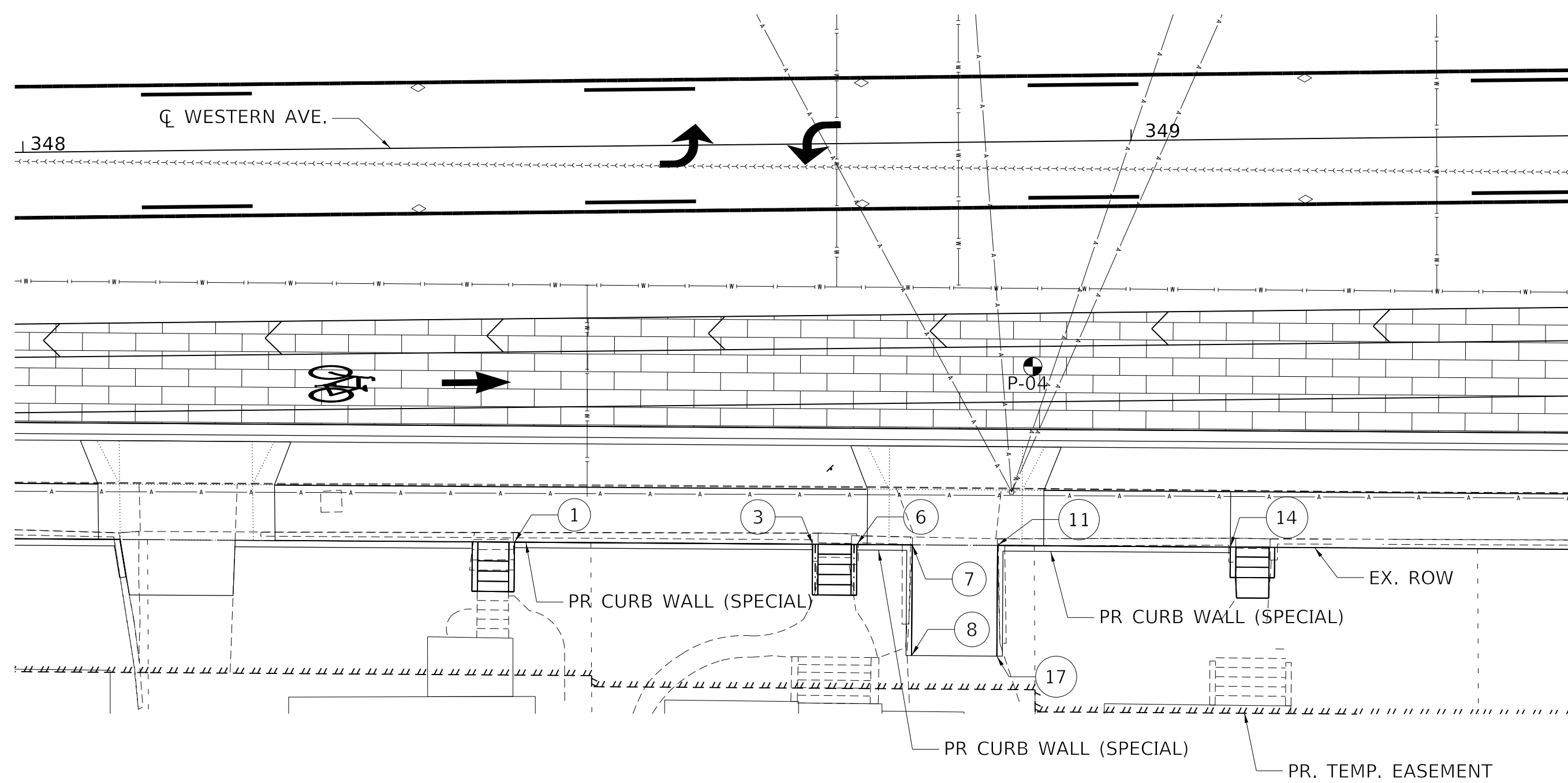
KEY POINT INFORMATION

1	EL. 525.58, OFF. 35.75' RT	6	STA. 348+74.86, EL. 524.25, OFF. 36.21' RT	11	STA. 348+87.56, EL. 525.31, OFF. 36.43' RT
2	STA. 348+50, EL. 525.47, OFF. 35.77' RT	7	348+79.87, EL. 524.10, OFF. 36.29	12	STA. 348+91.80, EL. 524.01, OFF. 36.50' RT
3	EL. 524.45, OFF. 36.13' RT	8	STA. 348+79.70, EL. 526.00, OFF. 46.3' RT	13	STA. 349+05.00, EL. 524.57, OFF. 36.73' RT
4	STA. 348+43.99, EL. 526.56	9	STA. 348+79.87, EL. 525.89	14	STA. 349+08.76, EL. 524.52, OFF. 36.79' RT
5	STA. 348+70.78, EL. 526.23	10	EL. 525.89	15	EL. 525.17
				16	EL. 525.28
				17	STA. 348+87.38, EL. 525.71, OFF. 46.4' RT



DEVELOPED ELEVATION

SCALE: H 1" = 10'  
V 1" = 2'



PLAN  
(1"=10')

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

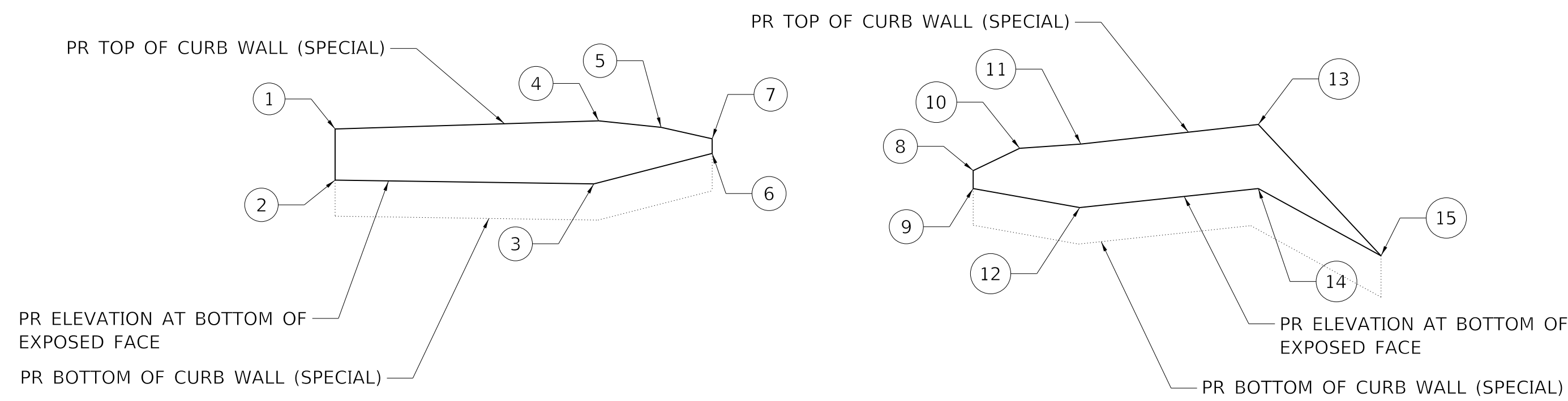
CURB WALL (SPECIAL) PLAN  
WESTERN AVENUE

SCALE: 1"=10' SHEET 3 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	309
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS FED. AID PROJECT				

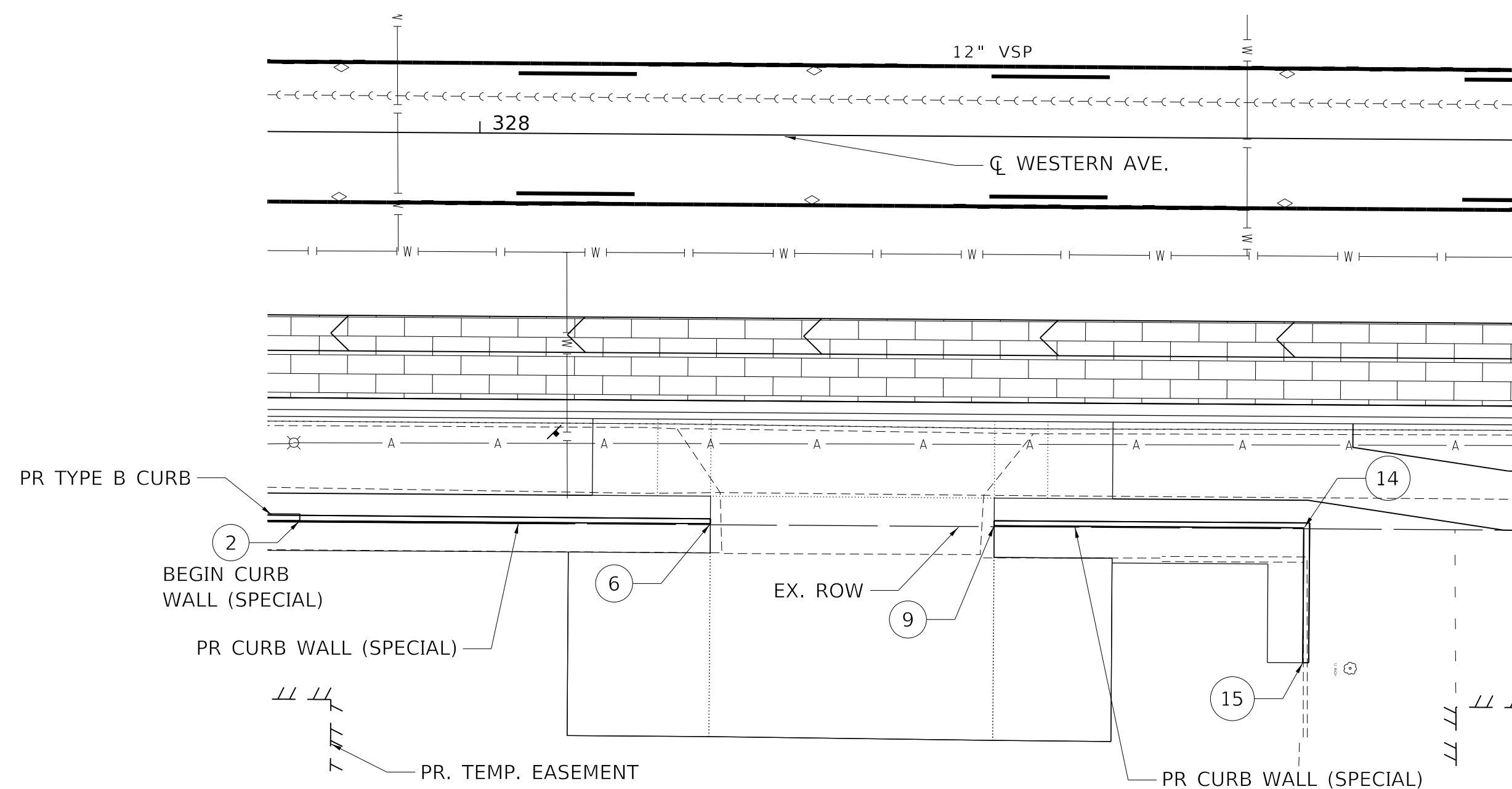
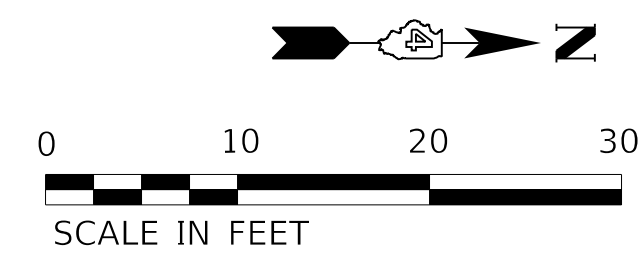
KEY POINT INFORMATION

1	EL. 522.65	7	STA. 328+19.70, EL. 522.47	12	STA. 328+53.53, EL. 522.06, OFF. 33.00' RT
2	STA. 327+85.00, EL. 521.71, OFF. 33.00' RT	8	EL. 522.74	13	STA. 328+69.96, EL. 523.59
3	STA. 328+08.81, EL. 521.64, OFF. 33.00' RT	9	STA. 328+43.72, EL. 522.41, OFF. 33.00' RT	14	EL. 522.41, OFF. 33.00' RT
4	STA. 328+09.26, EL. 522.92	10	STA. 328+48.00, EL. 523.15	15	STA. 328+69.96, EL. 521.17, OFF. 44.30' RT, MATCH EX CURB
5	STA. 328+15.00, EL. 522.80	11	STA. 328+53.63, EL. 523.23		
6	EL. 522.20, OFF. 33.00' RT				



DEVELOPED ELEVATION

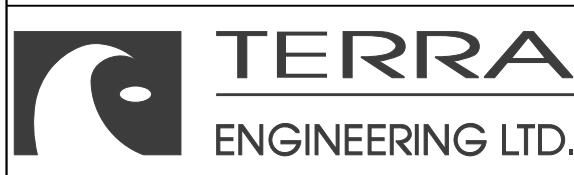
SCALE: H 1" = 10'  
V 1" = 2'



PLAN  
(1"=10')

NOTE:  
CURB WALL (SPECIAL) IS ALSO PROPOSED NEAR STATION 348+00 RT, 348+25 RT, 348+80 RT AND 350+00 RT. SEE PLAN AND PROFILE SHEET 7 & 8 OF 22 FOR STATION LIMITS AND EXPOSED FACE HEIGHT

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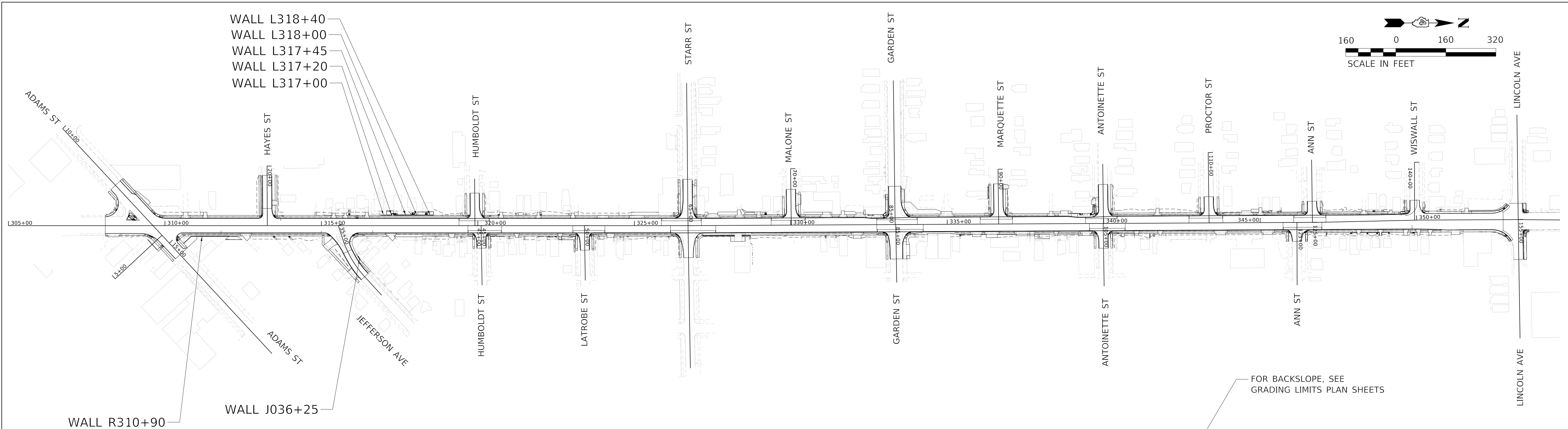
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CURB WALL (SPECIAL) PLAN  
WESTERN AVENUE

SCALE: 1"=10' SHEET 4 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	310
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS FED. AID PROJECT				



**RETAINING WALLS:**

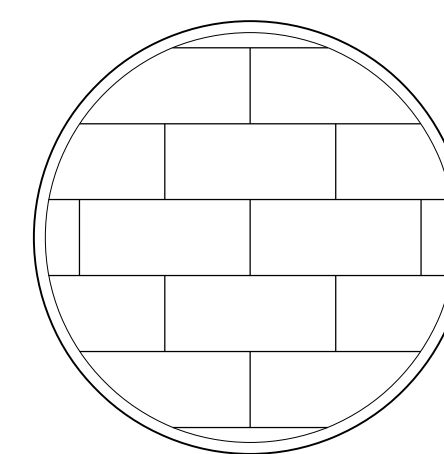
WALL NAME	START STA.	OFFSET	END STA.	OFFSET	WALL TYPE	52200800 QTY [SQ FT]
R310+90	310+84.78	34' RT	312+04.86	34' RT	T-TYPE WALL	N/A, SEE STRUCTURE PLANS
L317+00	316+89.08	33' LT	317+08.43	33' LT	SEGMENTAL CONCRETE BLOCK WALL	79.0 SQ FT
L317+20	317+08.43	33' LT	317+39.05	38' LT	SOLDIER PILE WALL	N/A, SEE STRUCTURE PLANS
L317+45	317+30.05	33' LT	317+90.18	36.66' LT	SOLDIER PILE WALL & SEGMENTAL CONCRETE BLOCK WALL	SEE STRUCTURE PLANS 31.0 SQ FT
L318+00	317+97.91	33.02' LT	318+32.18	33' LT	SEGMENTAL CONCRETE BLOCK WALL	236.0 SQ FT
L318+40	318+38.18	33' LT	318+58.46	33' LT	SEGMENTAL CONCRETE BLOCK WALL	56.0 SQ FT
J036+25	36+16.73	21.54' LT	36+32.72	22.01' LT	SEGMENTAL CONCRETE BLOCK WALL	59.0 SQ FT

NOTE: WALL STATION AND OFFSET LOCATIONS REPRESENT THE BOTTOM OF EXPOSED FACE

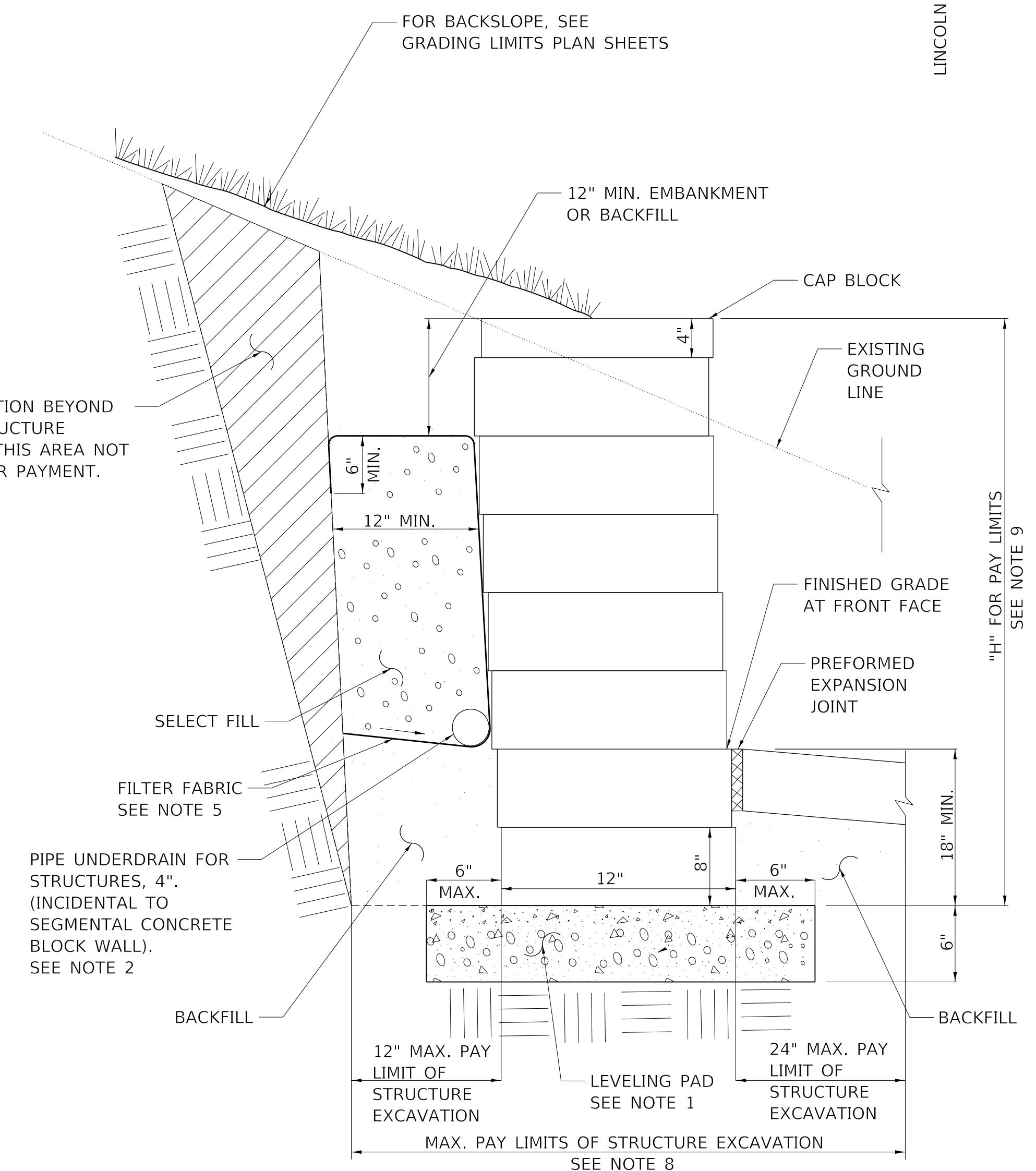
**SEGMENTAL CONCRETE BLOCK WALL NOTES:**

- LEVELING PAD WIDTH SHALL MATCH THE WIDTH OF THE SEGMENTAL BLOCK PLUS 6 INCHES ON EACH SIDE OF THE BLOCK.
- PIPE UNDERDRAINS SHALL MEET THE REQUIREMENTS OF THE APPLICABLE PORTIONS OF SECTION 601 OF THE STANDARD SPECIFICATIONS. PIPE UNDERDRAINS SHALL OUTLET INTO INLETS OR STORM SEWER. SEE DRAINAGE PLANS.
- BLOCKS SHALL CONFORM WITH ASTM C1372. BLOCK SET BACK SHALL BE ACCORDING TO MANUFACTURER'S SPECIFICATIONS. BLOCK SET BACK OR FACE BATTER SHALL NOT EXCEED 20 DEGREES FROM VERTICAL PER SECTION 522 OF THE STANDARD SPECIFICATIONS.
- PREFORMED EXPANSION JOINT FILLER SHALL BE PLACED BETWEEN THE FRONT FACE OF THE SEGMENTAL CONCRETE BLOCK WALL AND CONCRETE SURFACES AT THE FINISHED GRADE AT THE FRONT FACE OF THE SEGMENTAL CONCRETE BLOCK WALL.
- THE FILTER FABRIC SHALL BE AS SPECIFIED FOR SEGMENTAL CONCRETE BLOCK WALL IN SECTION 522 OF THE STANDARD SPECIFICATION. INCIDENTAL TO SEGMENTAL CONCRETE BLOCK WALL.
- THE SEGMENTAL CONCRETE BLOCK WALL SHALL MEET THE REQUIREMENTS OF THE APPLICABLE PORTIONS OF SECTION 522 OF THE STANDARD SPECIFICATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INTERNAL AND EXTERNAL STABILITY ASPECTS OF THE SEGMENTAL CONCRETE BLOCK WALL DESIGN. THIS SHALL INCLUDE DETERMINING THE NEED FOR SOIL REINFORCEMENT.
- BOTTOM OF FILTER FABRIC AND BOTTOM OF PIPE UNDERDRAIN SHALL BE PLACED AT THE APPROXIMATE ELEVATION AS THE FINISHED GRADE AT THE FRONT FACE OF THE SEGMENTAL CONCRETE BLOCK WALL.
- STRUCTURE EXCAVATION PAY LIMITS SHALL BE FROM 1 FOOT BEHIND THE REAR LIMIT OF THE SEGMENTAL CONCRETE BLOCK WALL TO A VERTICAL PLANE 2 FEET IN FRONT OF THE FINISHED FRONT FACE OF THE SEGMENTAL CONCRETE BLOCK WALL. THE DEPTH SHALL BE FROM THE TOP OF THE ORIGINAL GROUND SURFACE TO THE TOP OF THE LEVELING PAD.
- INSTALLED TOP OF BLOCK LINE SHALL NOT EXCEED ONE BLOCK HEIGHT ABOVE PROPOSED FINISHED GRADE AT BACK OF WALL UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

OVER EXCAVATION BEYOND LIMITS OF STRUCTURE EXCAVATION. THIS AREA NOT MEASURED FOR PAYMENT.

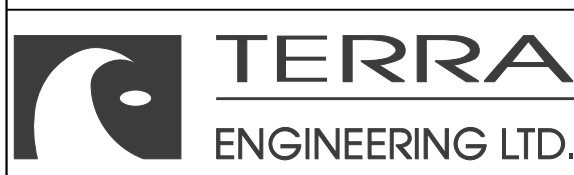


INSTALLATION PATTERN  
FRONT VIEW



SEGMENTAL CONCRETE BLOCK WALL DETAIL

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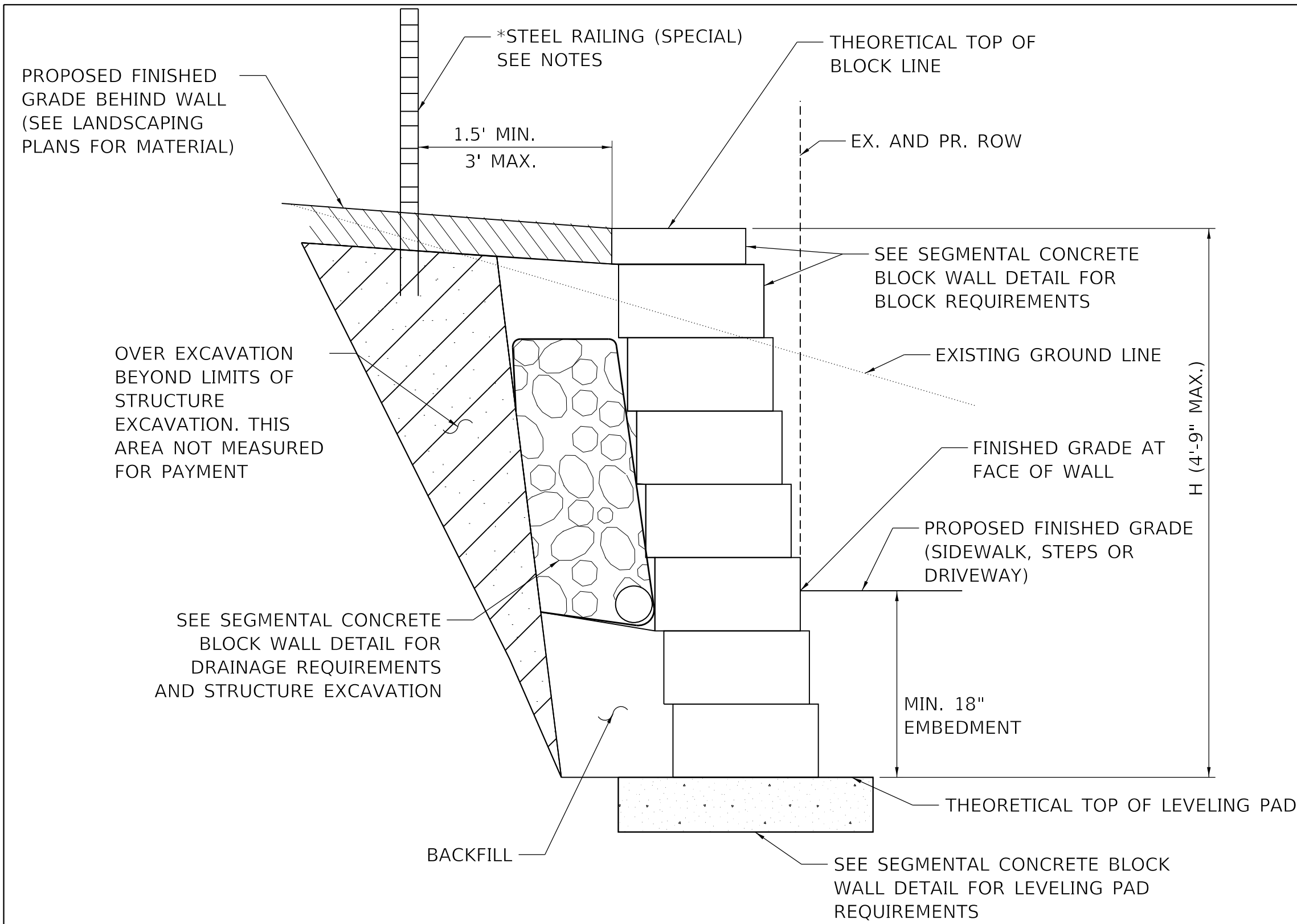
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**SEGMENTAL CONCRETE BLOCK WALL LOCATIONS**

SCALE: 1"=160' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	311
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS / FED. AID PROJECT				

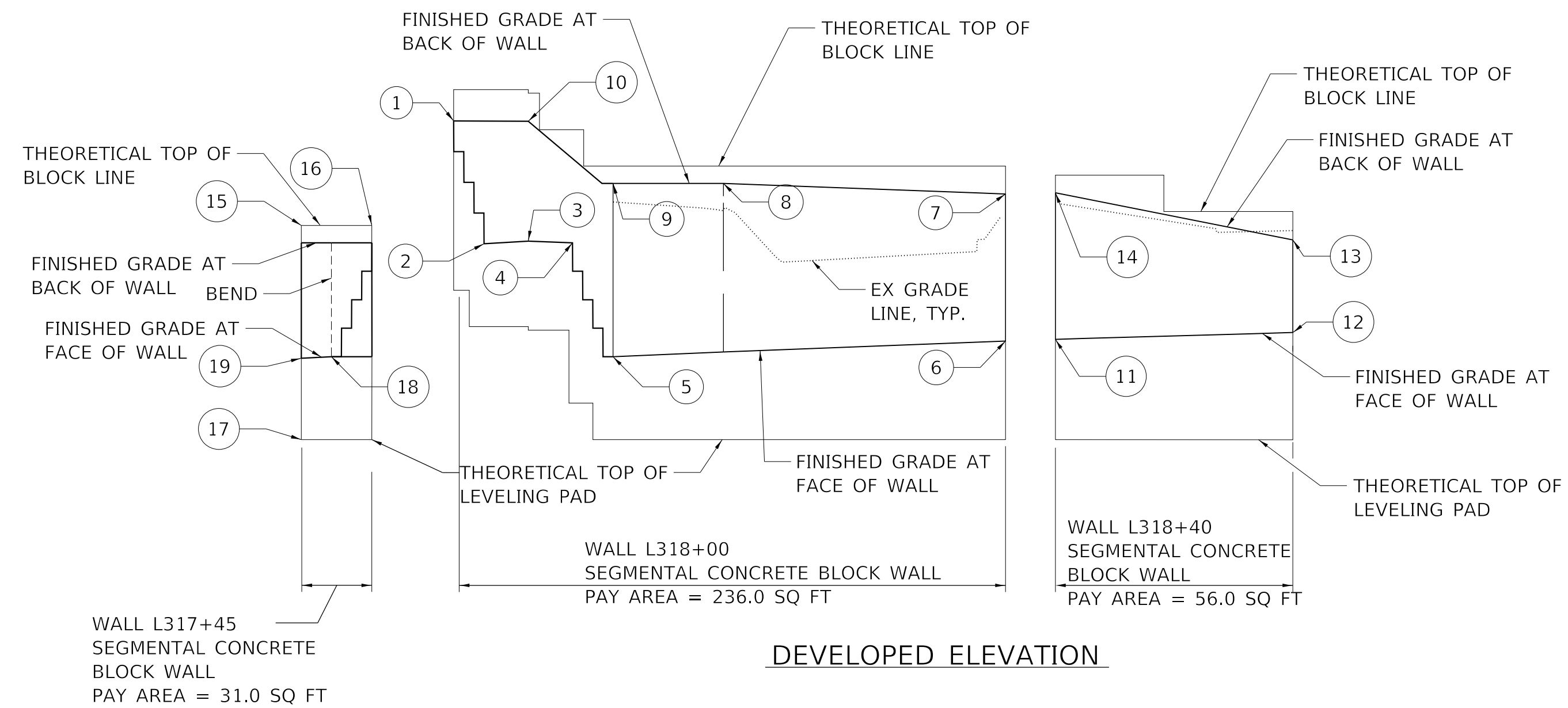


**SECTION A-A  
SEGMENTAL CONCRETE BLOCK WALL SECTION**  
(NOT TO SCALE)

FOR DETAILS, SEE LEVELING PAD AND DRAINAGE DETAIL  
 \* CONTRACTOR SHALL DESIGN SEGMENTAL CONCRETE BLOCK WALL FOR THE FOLLOWING LOADS FROM THE STEEL RAILING POSTS: [200 LB + (50 LB/FT. X POST SPACING (FT.))] APPLIED HORIZONTALLY AND VERTICALLY 3'-6" ABOVE GRADE. SEE STEEL RAILING (SPECIAL) SHEET FOR RAILING DETAIL.

**KEY POINT INFORMATION**

1	STA. 317+90.16, EL. 519.44, OFF. 40.67' LT	7	EL. 518.00	13	EL. 519.99	19	EL. 518.82
2	STA. 317+92.91, EL. 517.10, OFF. 40.67' LT	8	STA. 318+07.91, EL. 518.25	14	EL. 516.92		
3	STA. 317+96.91, EL. 517.11	9	EL. 518.25	15	STA. 317+90.18, EL. ±517.65		
4	STA. 317+96.91, EL. 517.12, OFF. 36.67' LT	10	STA. 317+96.91, EL. 519.43, OFF. 40.67' LT	16	STA. 317+92.91, EL. ±517.65		
5	STA. 317+96.91, EL. 514.96, OFF. 33.00' LT	11	STA. 318+37.68, EL. 515.39, OFF. 33.00' LT	17	EL. ±512.90		
6	STA. 318+32.68, EL. 515.33, OFF. 33.00' LT	12	STA. 318+58.46, EL. 516.92, OFF. 33.00' LT	18	EL. 514.96		

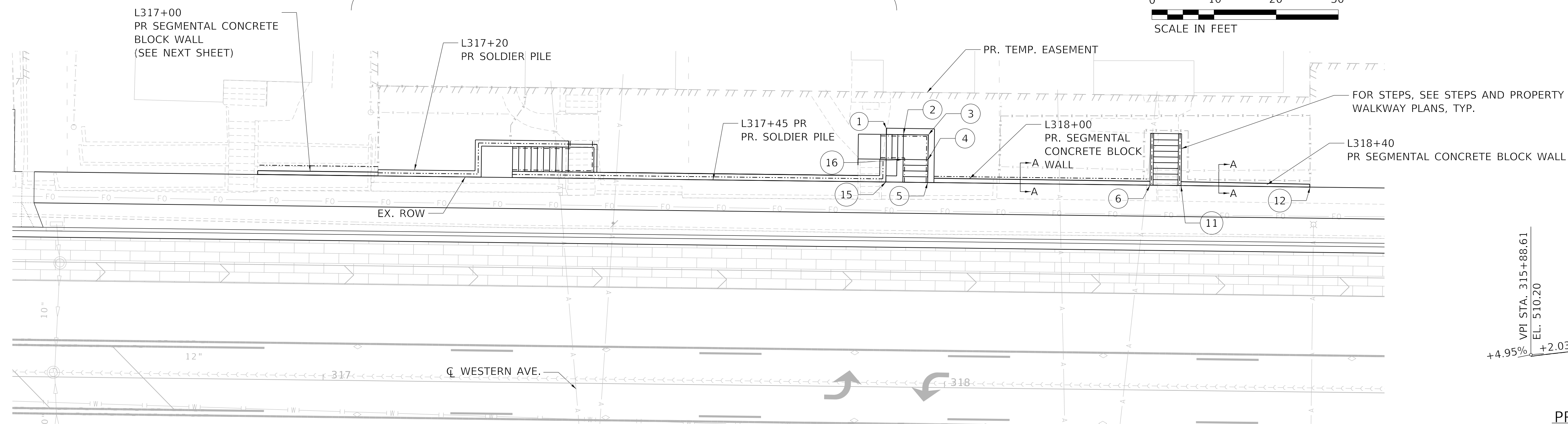


**DEVELOPED ELEVATION**

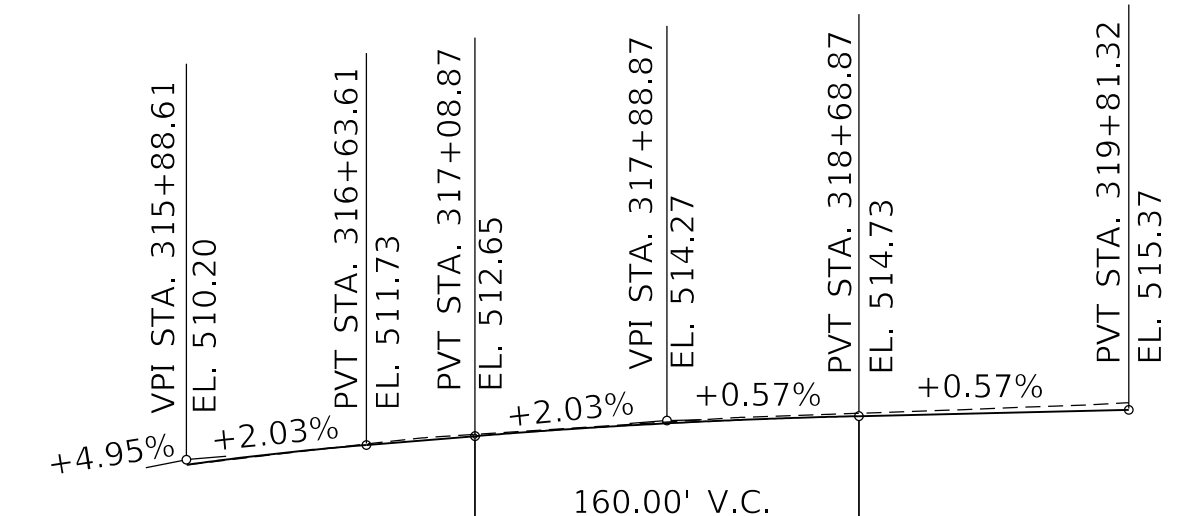
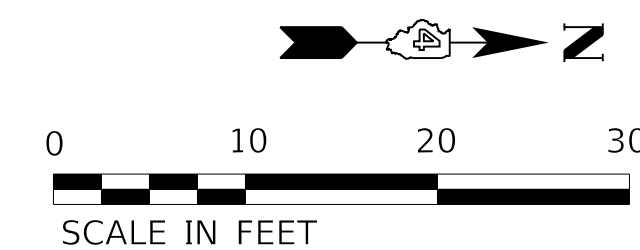
UNDERDRAINS SHALL PASS THROUGH THE WALL AND DAYLIGHT AT THE FRONT FACE OF THE WALL AT THE POINTS LISTED BELOW. UNDERDRAIN SHALL DRAIN ONTO THE FRONT FINISHED GRADE THROUGH A RODENT GUARD. RODENT GUARD WILL BE INCIDENTAL TO THE SEGMENTAL BLOCK WALL.

UNDERDRAINS SHALL DAYLIGHT AT POINTS: (5) (11) (19)

SEE STRUCTURAL PLANS FOR WALLS L317+20, AND L317+45



**PLAN**  
(1"=10')



**PROFILE GRADE - WESTERN AVE.**

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SEGMENTAL CONCRETE BLOCK WALL DETAILS  
WALLS L317 + 45, L318 + 00 & L318 + 40**

SCALE: 1"=10' SHEET 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	312
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS		FED. AID PROJECT		

**KEY POINT INFORMATION**

- 1 STA. 36+16.73, EL. 507.83, OFF. 21.54' LT
- 2 STA. 36+30.00, EL. 507.65, OFF. 21.58' LT
- 3 STA. 36+32.72, EL. 507.62, OFF. 22.01' LT
- 4 EL. 511.24
- 5 EL. 510.60

NOTE: INSTALLED TOP OF BLOCK LINE SHALL NOT EXCEED ONE BLOCK HEIGHT ABOVE PROPOSED FINISHED GRADE AT BACK OF WALL UNLESS OTHERWISE DIRECTED BY THE ENGINEER

PROPOSED FINISHED GRADE BEHIND WALL (SEE LANDSCAPING PLANS FOR MATERIAL)

\*STEEL RAILING (SPECIAL) SEE NOTES  
1.5' MIN.  
3' MAX.

THEORETICAL TOP OF BLOCK LINE  
EX. AND PR. ROW

OVER EXCAVATION BEYOND LIMITS OF STRUCTURE EXCAVATION. THIS AREA NOT MEASURED FOR PAYMENT

SEE SEGMENTAL CONCRETE BLOCK WALL DETAIL FOR DRAINAGE AND STRUCTURE EXCAVATION LIMITS

BACKFILL

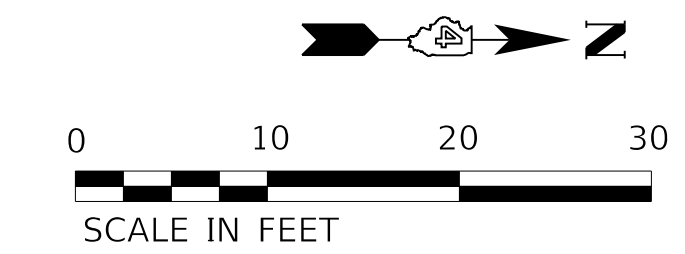
SEE SEGMENTAL CONCRETE BLOCK WALL DETAIL FOR BLOCK REQUIREMENTS

EXISTING GROUND LINE  
FINISHED GRADE AT FACE OF WALL  
PROPOSED FINISHED GRADE (SIDEWALK, STEPS OR DRIVEWAY)

MIN. 18" EMBEDMENT

THEORETICAL TOP OF LEVELING PAD

SEE SEGMENTAL CONCRETE BLOCK WALL DETAIL FOR LEVELING PAD REQUIREMENTS



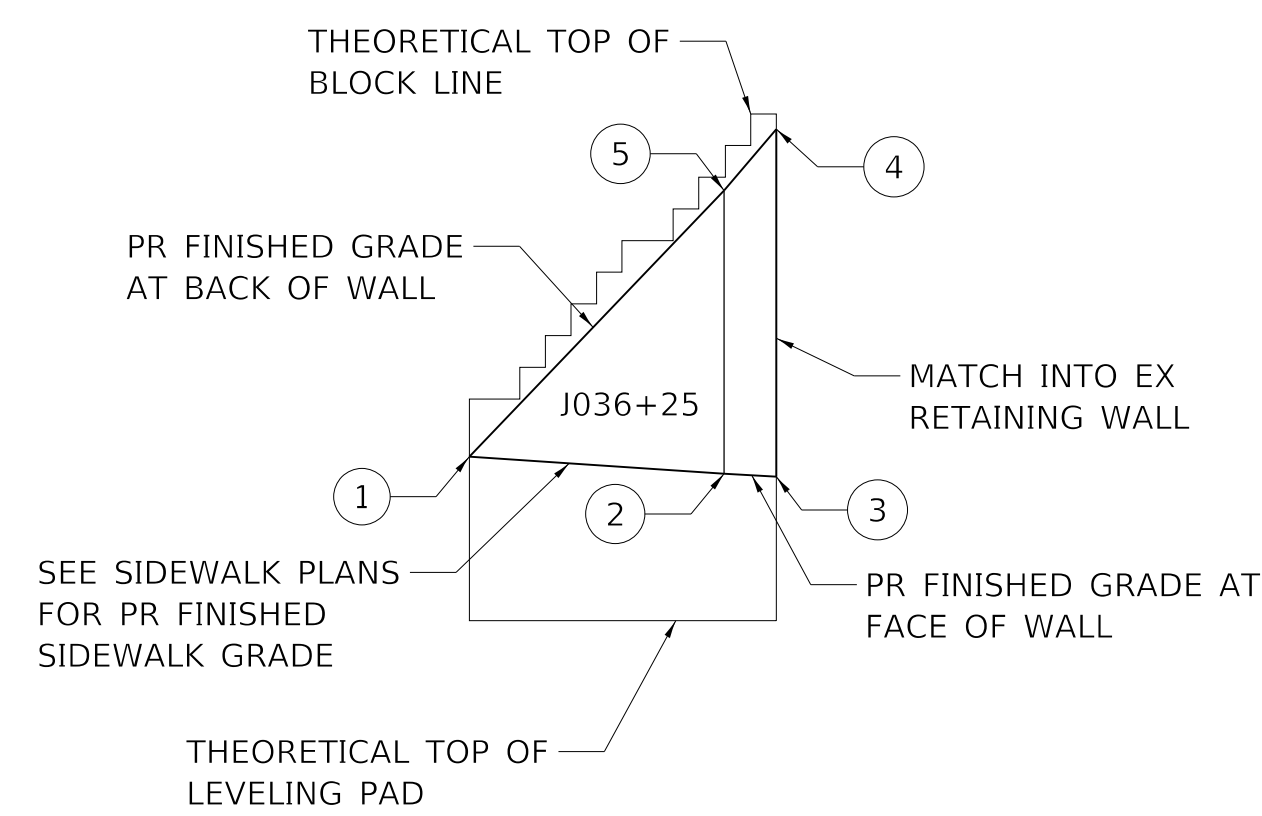
**KEY POINT INFORMATION**

- 6 STA. 316+89.08, EL. 513.12, OFF. 33.00' LT
- 7 STA. 317+08.45, EL. 513.52, OFF. 33.00' LT
- 8 EL. 517.63

UNDERDRAINS SHALL PASS THROUGH THE WALL AND DAYLIGHT AT THE FRONT FACE OF THE WALL AT THE POINTS LISTED BELOW. UNDERDRAIN SHALL DRAIN ONTO THE FRONT FINISHED GRADE THROUGH A RODENT GUARD. RODENT GUARD WILL BE INCIDENTAL TO THE SEGMENTAL BLOCK WALL.

UNDERDRAINS SHALL DAYLIGHT AT POINTS:

- 3
- 6



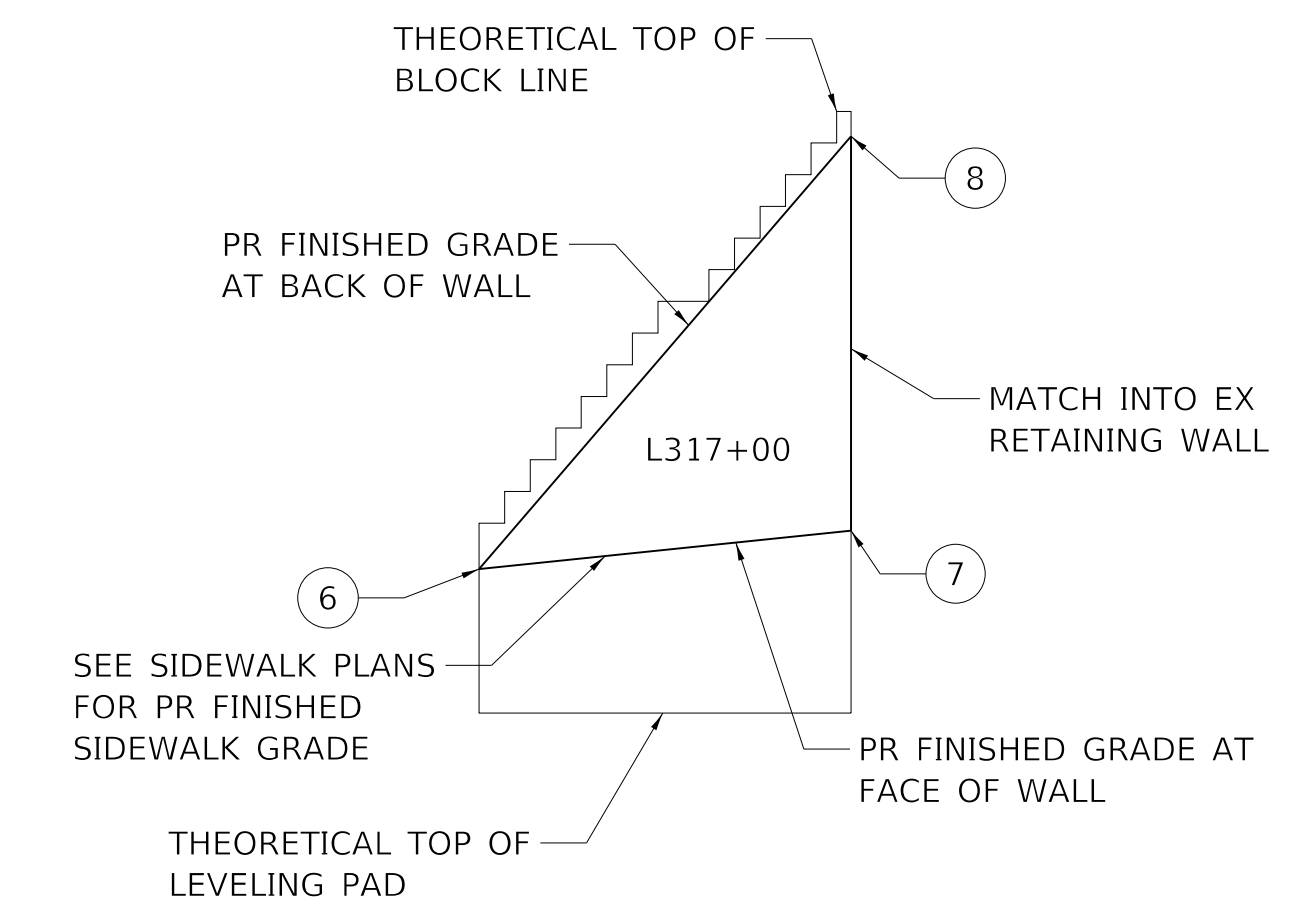
**DEVELOPED ELEVATION**

SCALE: H 1" = 10'  
V 1" = 2'

PAY AREA = 59.0 SQ FT

**SECTION A-A  
SEGMENTAL CONCRETE BLOCK WALL SECTION**

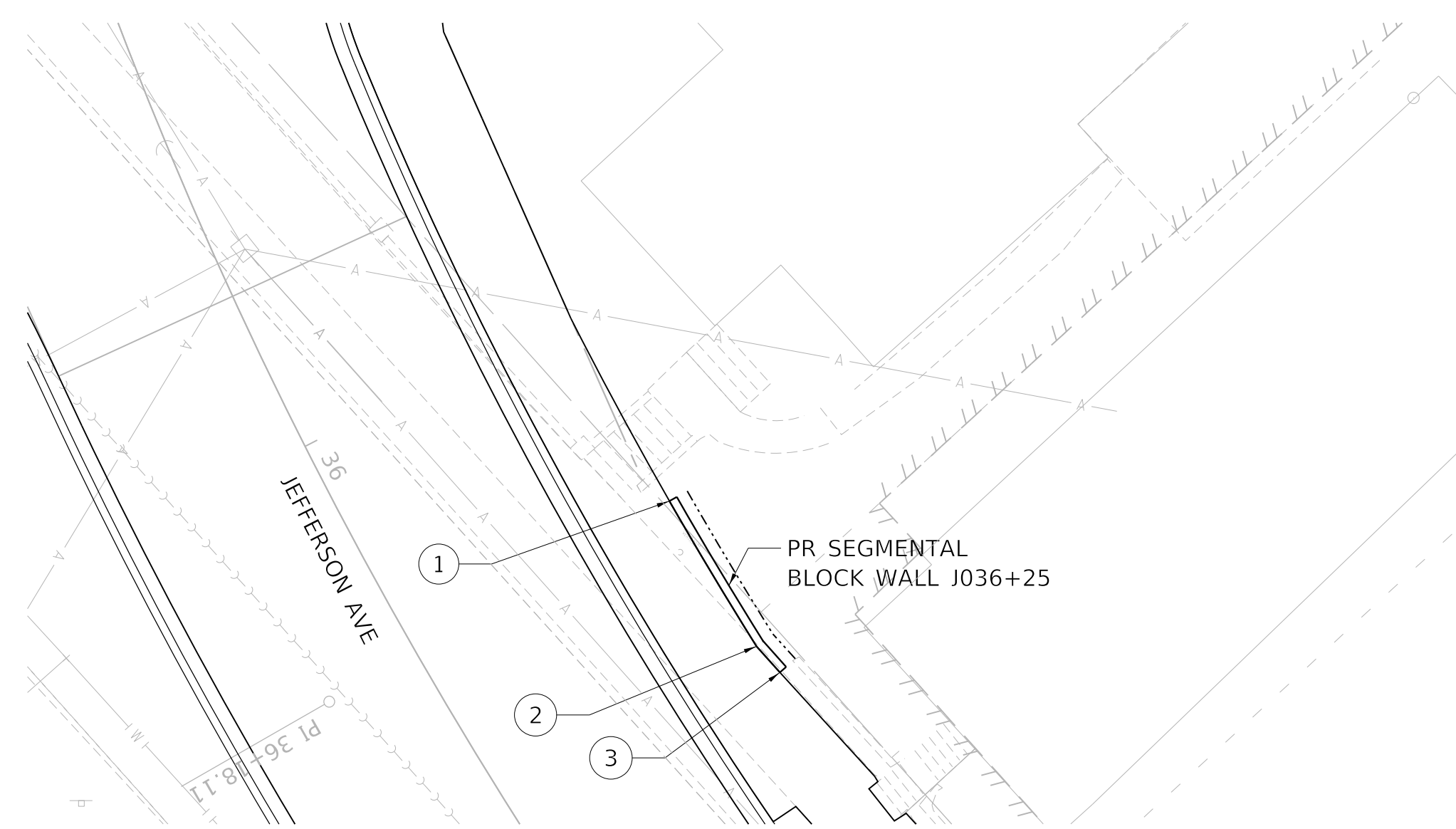
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FOR DETAILS, SEE LEVELING PAD AND DRAINAGE DETAIL  
\* CONTRACTOR SHALL DESIGN SEGMENTAL CONCRETE BLOCK WALL FOR THE FOLLOWING LOADS FROM THE STEEL RAILING POSTS: [200 LB + (50 LB/FT. X POST SPACING (FT.))] APPLIED HORIZONTALLY AND VERTICALLY 3'-6" ABOVE GRADE. SEE STEEL RAILING (SPECIAL) SHEET FOR RAILING DETAILS.



**DEVELOPED ELEVATION**

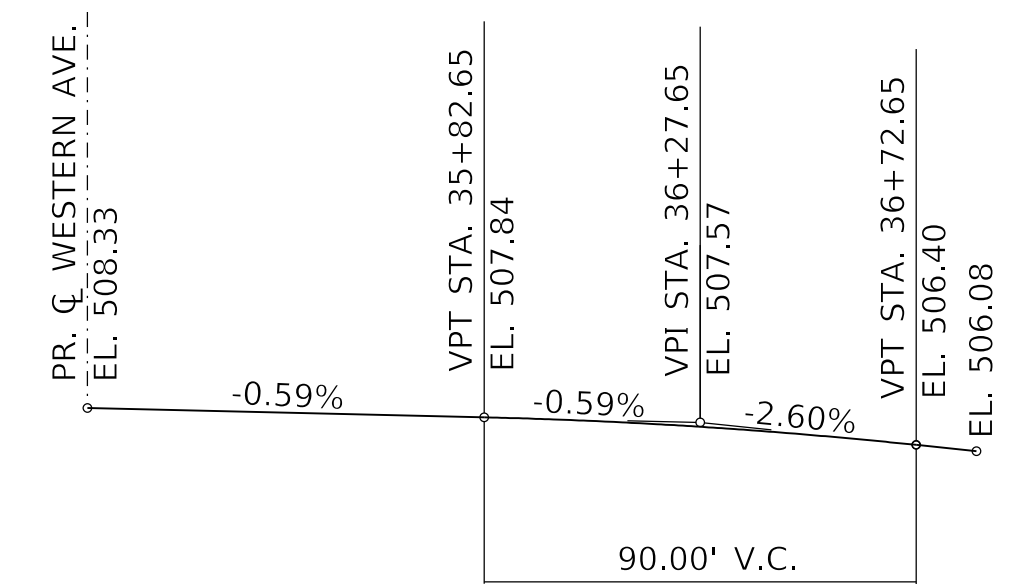
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V 1" = 2'

PAY AREA = 79.0 SQ FT

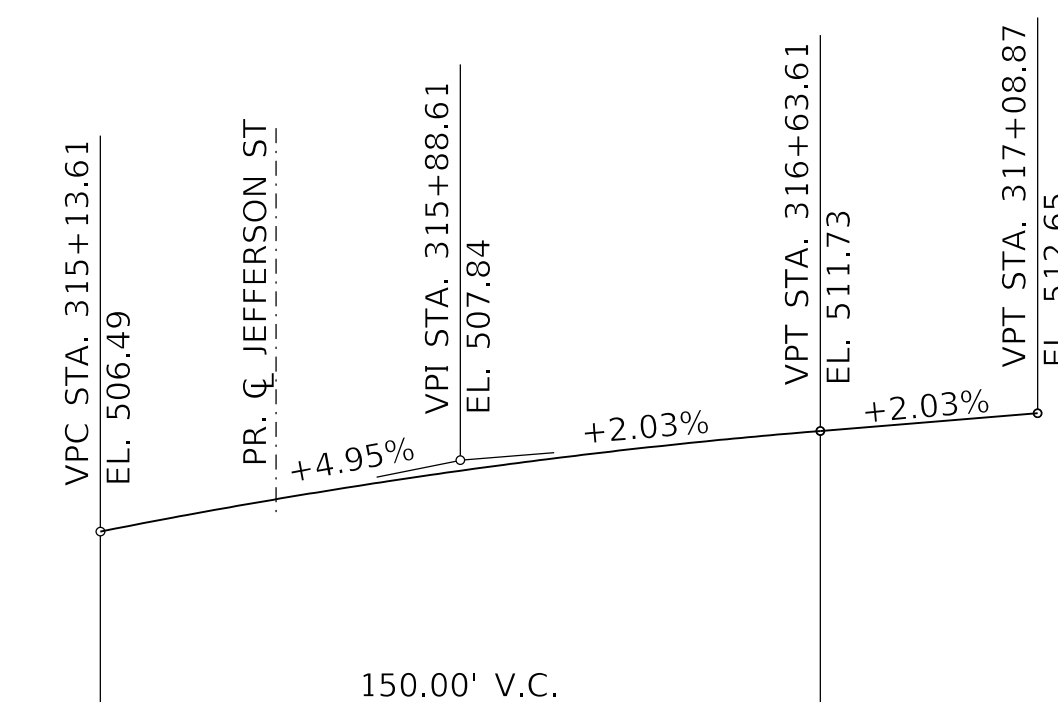


**PLAN**

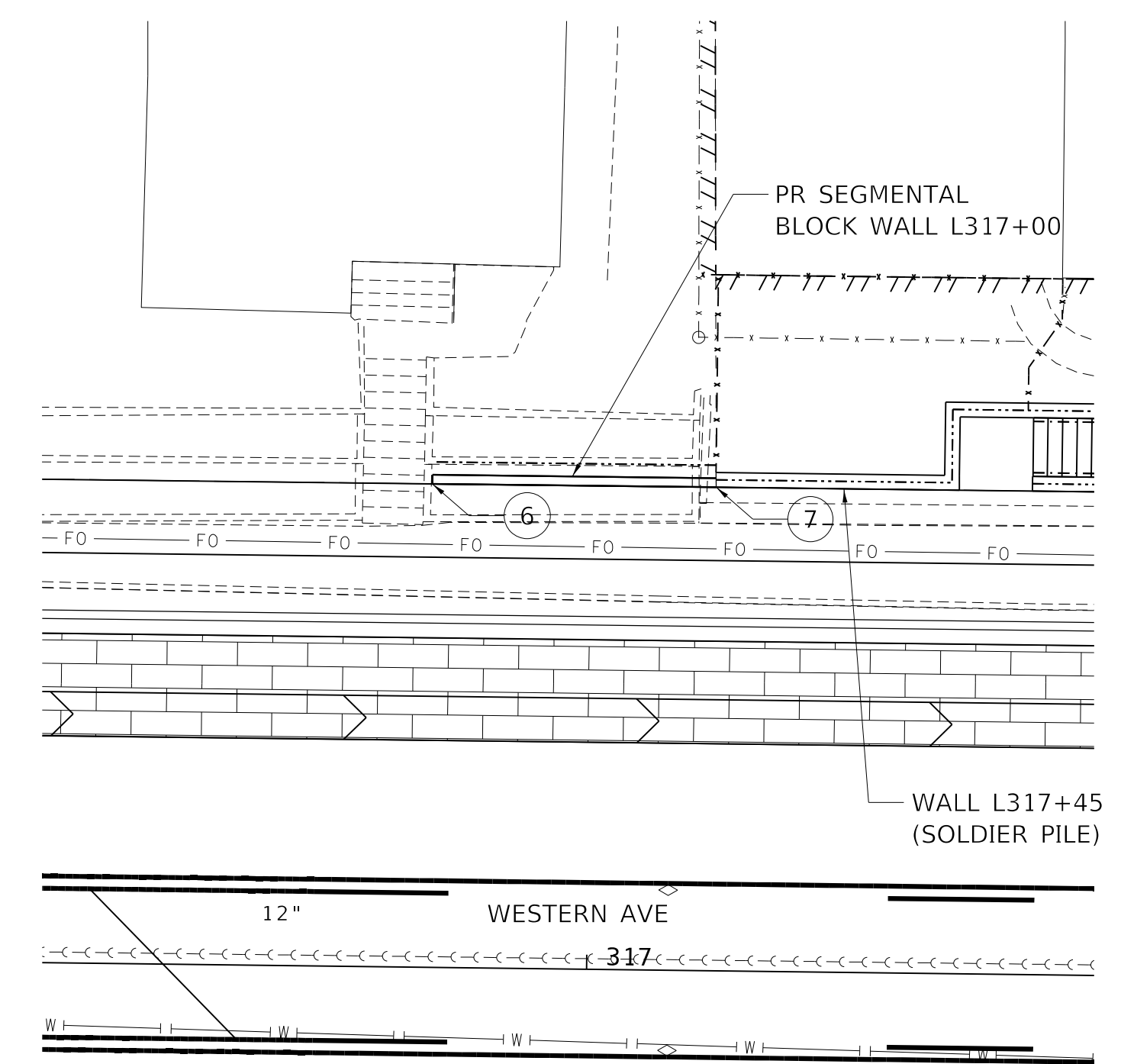
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**PROFILE GRADE - SW JEFFERSON AVE**



**PROFILE GRADE - WESTERN AVE**



**PLAN**

(1"=10')

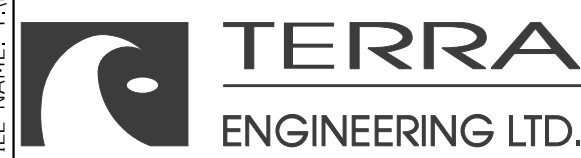
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SEGMENTAL CONCRETE BLOCK WALL DETAILS  
WALLS L317+00 & J035+25**

SCALE: 1"=10' SHEET 3 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	313
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS / FED. AID PROJECT				

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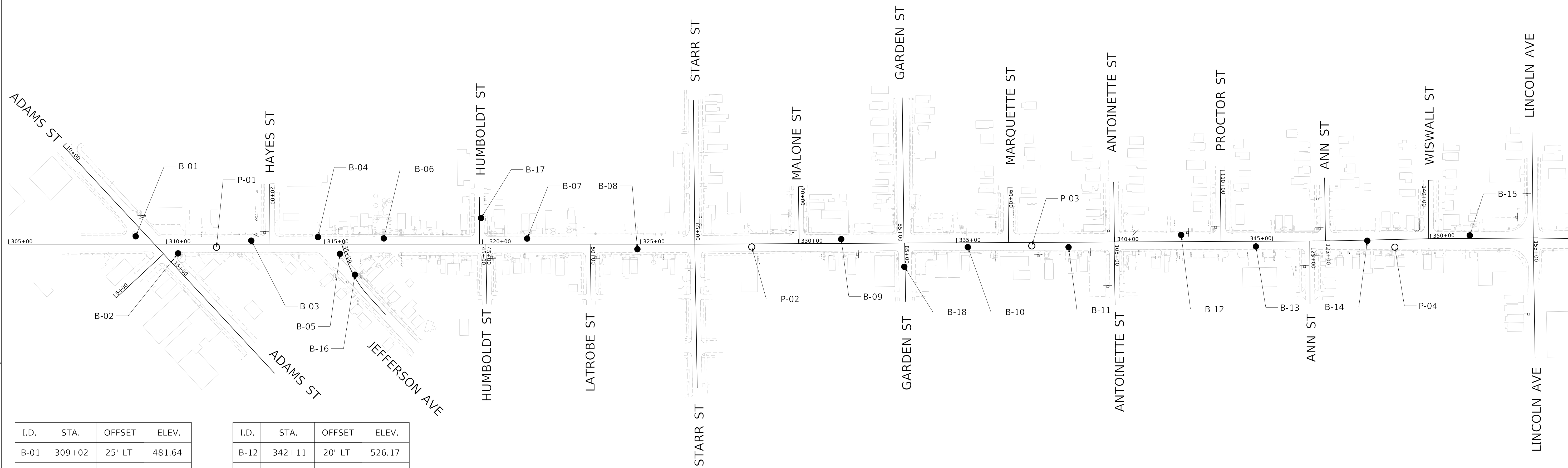


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DRAWN - BKR  
CHECKED - KF  
DATE - 2/21/2020

REVISED -  
REVISED -  
REVISED -  
REVISED -

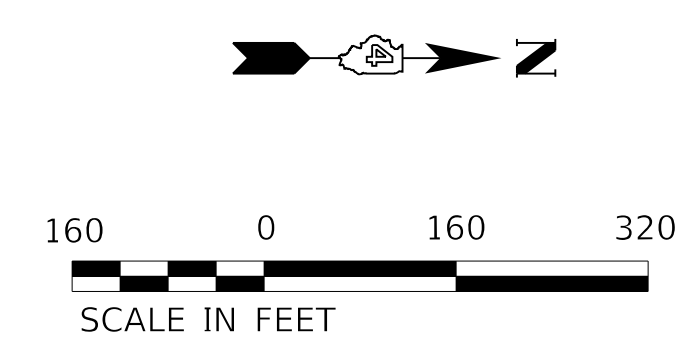
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I.D.	STA.	OFFSET	ELEV.
B-01	309+02	25' LT	481.64
B-02	310+36	30' RT	483.72
B-03	312+68	10' LT	495.17
B-04	314+79	20' LT	505.02
B-05	315+48	30' RT	506.95
B-06	316+87	20' LT	512.29
B-07	321+41	20' LT	518.12
B-08	324+90	15' RT	519.58
B-09	331+35	15' LT	524.78
B-10	335+35	15' RT	524.14
B-11	338+54	15' RT	523.42

I.D.	STA.	OFFSET	ELEV.
B-12	342+11	20' LT	526.17
B-13	344+47	15' RT	527.08
B-14	347+99	5' RT	524.94
B-15	351+25	10' LT	522.49
B-16	315+96	100' RT	506.83
B-17	319+95	85' LT	517.61
B-18	333+34	75' RT	522.04
P-01	311+58	10' RT	489.74
P-02	328+52	10' RT	522.82
P-03	337+38	10' RT	524.44
P-04	348+86	25' RT	523.80

NOTES:  
 1. STATIONING IS BASED ON PR WESTERN AVE ALIGNMENT  
 2. "B" INDICATES EXPLORATORY BORING LOCATIONS  
 "P" INDICATES PERCOLATION TEST LOCATIONS



USER NAME = alphonsee	DESIGNED - CC	REVISED -
FILENAME = D416187005-SHT-SOIL-BORING001.dgn	DRAWN - AE	REVISED -
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PLOT DATE = 2/19/2020 3:32:42 PM	DATE - 2/21/2020	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>SOIL BORINGS</b>	
<b>WESTERN AVENUE</b>	
SCALE: 1"=160'	SHEET 1 OF 12 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	314
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS		FED. AID PROJECT		





















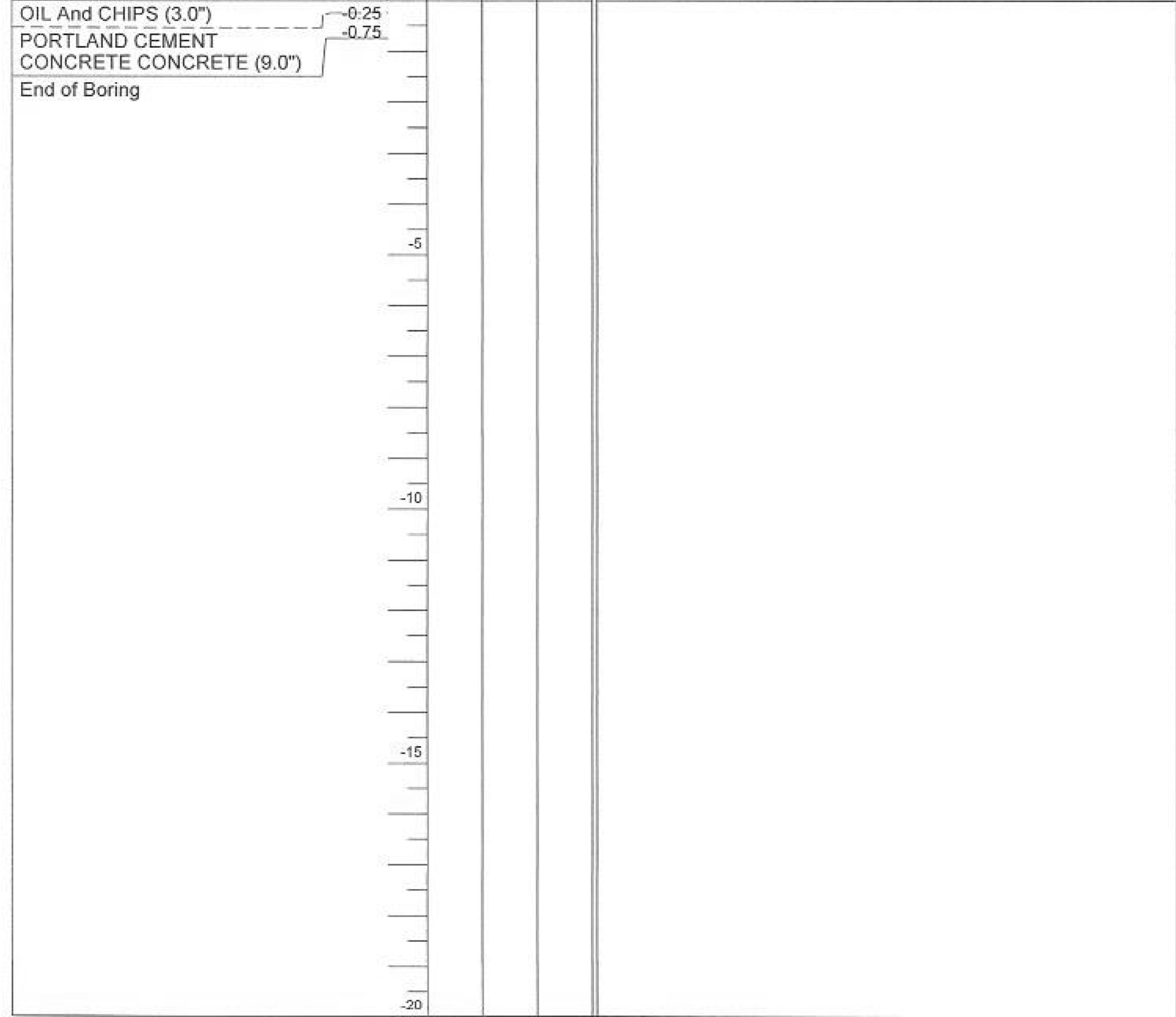
# SOIL BORING LOG

ROUTE - DESCRIPTION Western Avenue Improvement LOGGED BY Krusemark

SECTION - LOCATION Peoria, Illinois, SEC. 18, TWP. T8N, RNG. R8E, 4<sup>th</sup> PM,  
Latitude , Longitude

COUNTY Peoria DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. _____ Station _____	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. _____ ft
					Stream Bed Elev. _____ ft
BORING NO. B-17 Station See Plot Plan Offset _____					Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After _____ Hrs. _____ ft
Ground Surface Elev. 0.00 ft	(ft)	(/6")	(tsf)	(%)	



The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
BBS, form 137 (Rev. 8-99)



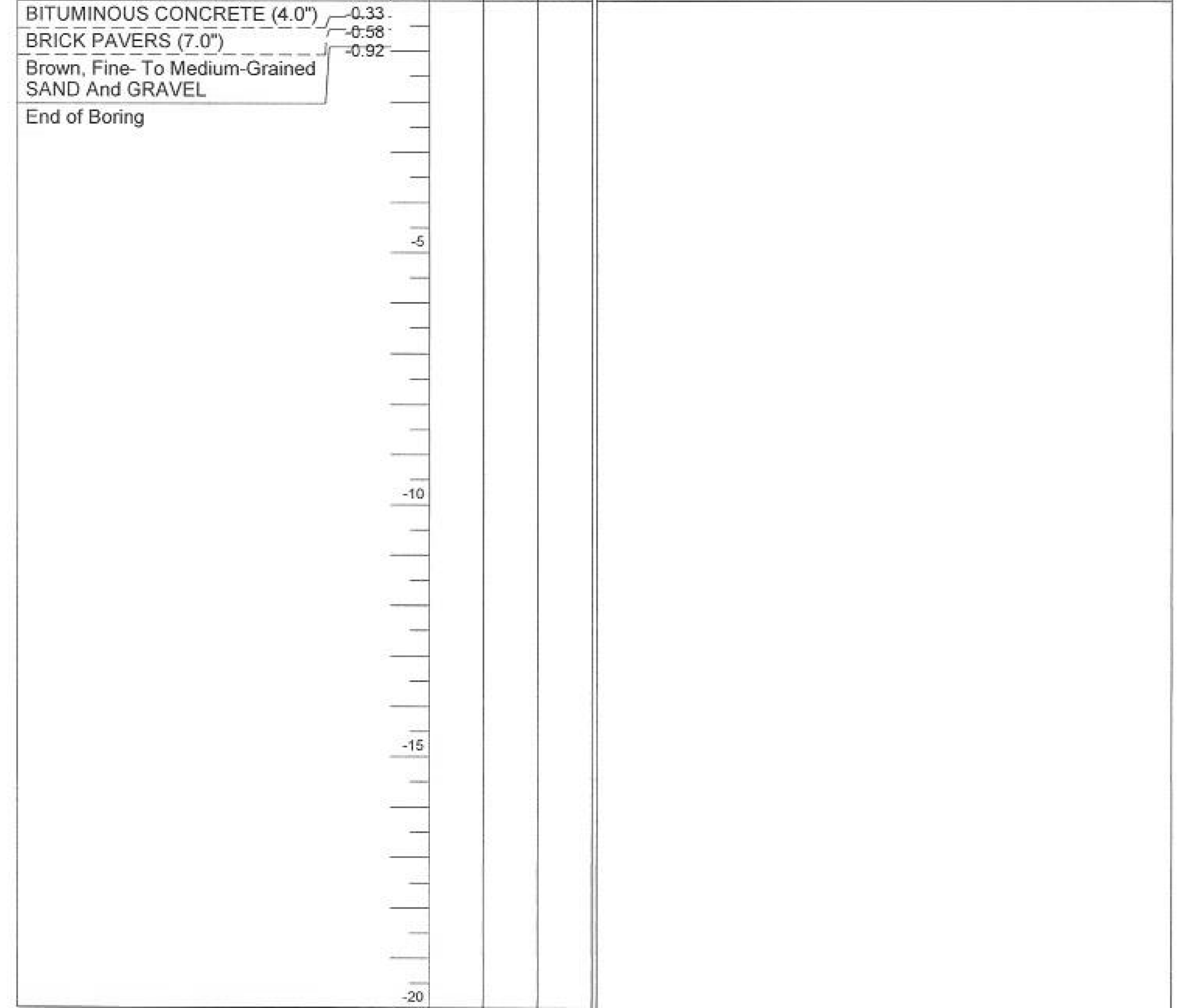
# SOIL BORING LOG

ROUTE - DESCRIPTION Western Avenue Improvement LOGGED BY Krusemark

SECTION - LOCATION Peoria, Illinois, SEC. 17, TWP. T8N, RNG. R8E, 4<sup>th</sup> PM,  
Latitude , Longitude

COUNTY Peoria DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. _____ Station _____	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. _____ ft
					Stream Bed Elev. _____ ft
BORING NO. B-18 Station See Plot Plan Offset _____					Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After _____ Hrs. _____ ft
Ground Surface Elev. 0.00 ft	(ft)	(/6")	(tsf)	(%)	



The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
BBS, form 137 (Rev. 8-99)

MODEL: Default  
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PLOT DATE = 2/19/2020 3:37:41 PM	DATE - 2/21/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS			
GARDEN STREET AND WESTERN AVENUE			
SCALE: NTS	SHEET 10	OF 12 SHEETS	STA. TO STA.

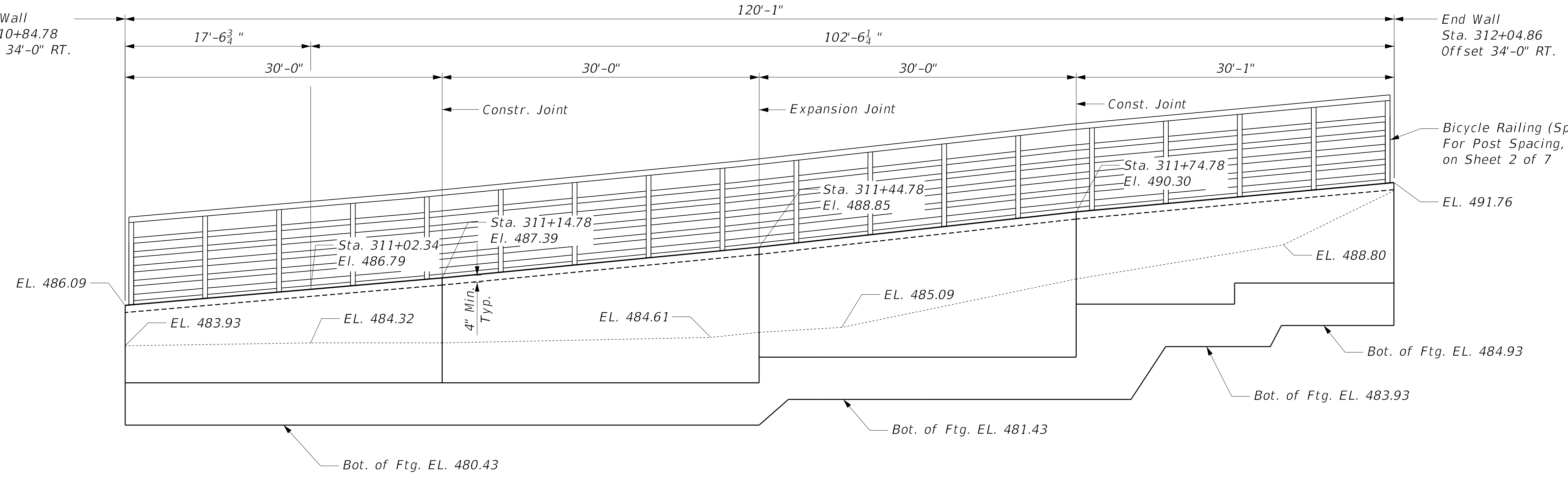
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	323
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		







Existing Structure: Reinforced concrete retaining wall approximately 106'-0" long, with steel railing along part of length  
Salvage: None.



ELEVATION

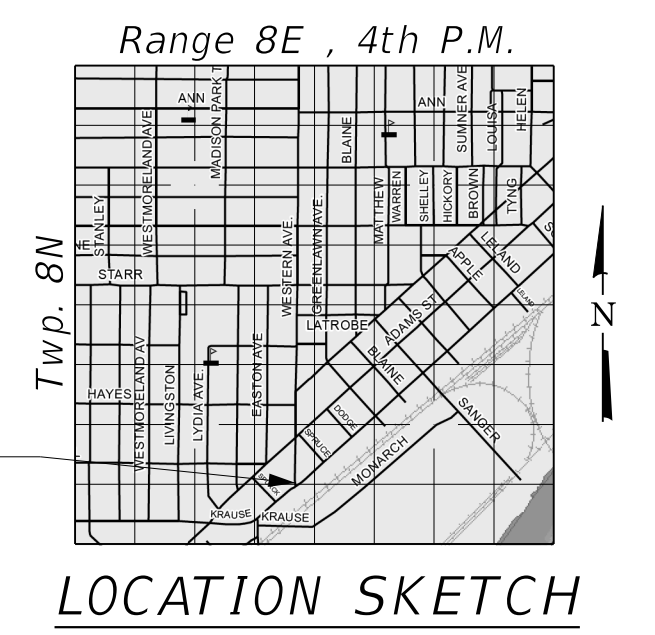
**DESIGN SPECIFICATIONS**  
2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

**DESIGN STRESSES**  
FIELD UNITS  
f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)

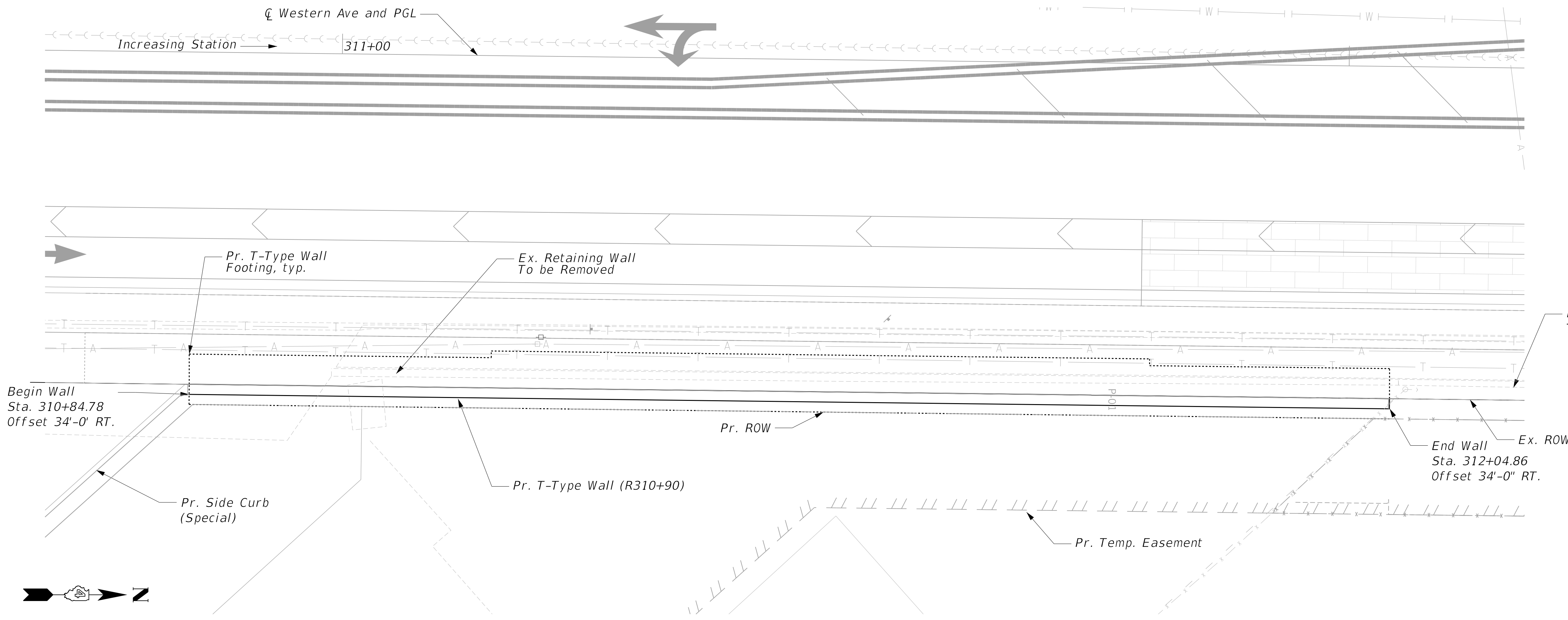
**LEGEND**

- ⊕ Soil Boring Location
- W — Exist. Water Main
- C — Exist. Sanitary Sewer
- A — Exist. Aerial Line
- U — Exist. Underground Telephone Line

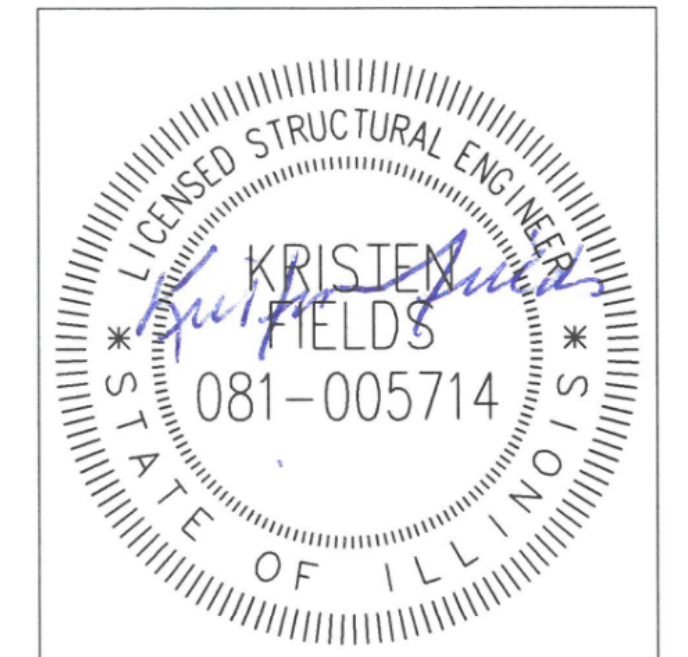
Notes:  
1. Offsets are measured from  $\bar{C}$  Western Avenue to front face of wall.



LOCATION SKETCH



PLAN



DATE SIGNED : 2/21/20  
LIC. EXP. DATE : 11/30/2020

MODEL: D416187005-SHT-89766-001  
FILE NAME: T:\Projects\16-187-005 COP Western Printing\Design\CADD\Structural\310-90\0416187005-WALL-R310+90.dgn

DESIGNED - KEF	EXAMINED	DATE -
CHECKED - DDB	ENGINEER OF BRIDGE DESIGN	
DRAWN - BKR	PASSED	REVISED - \$REVISED1\$
CHECKED - DDB	ENGINEER OF BRIDGES AND STRUCTURES	REVISED - \$REVISED2\$

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION  
RETAINING WALL R310+90

SHEET 1 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-00-EG	PEORIA	422	326
CONTRACT NO. 89766				
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

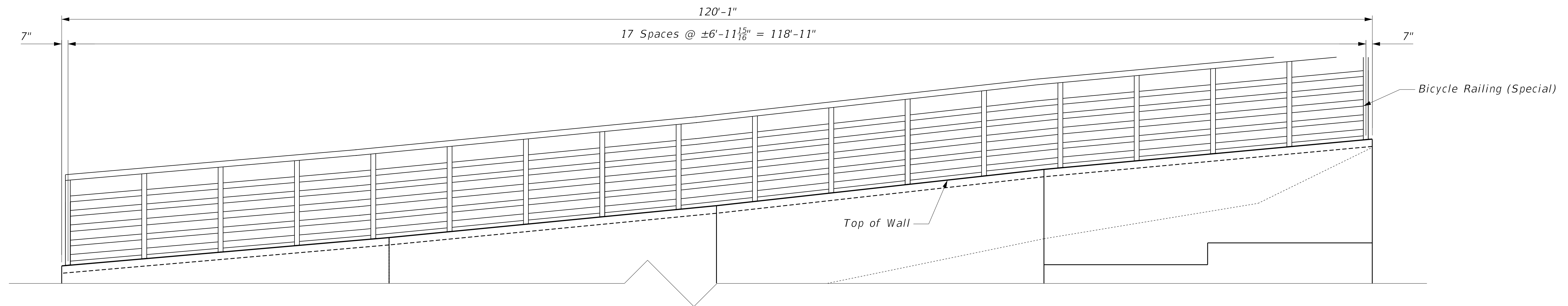
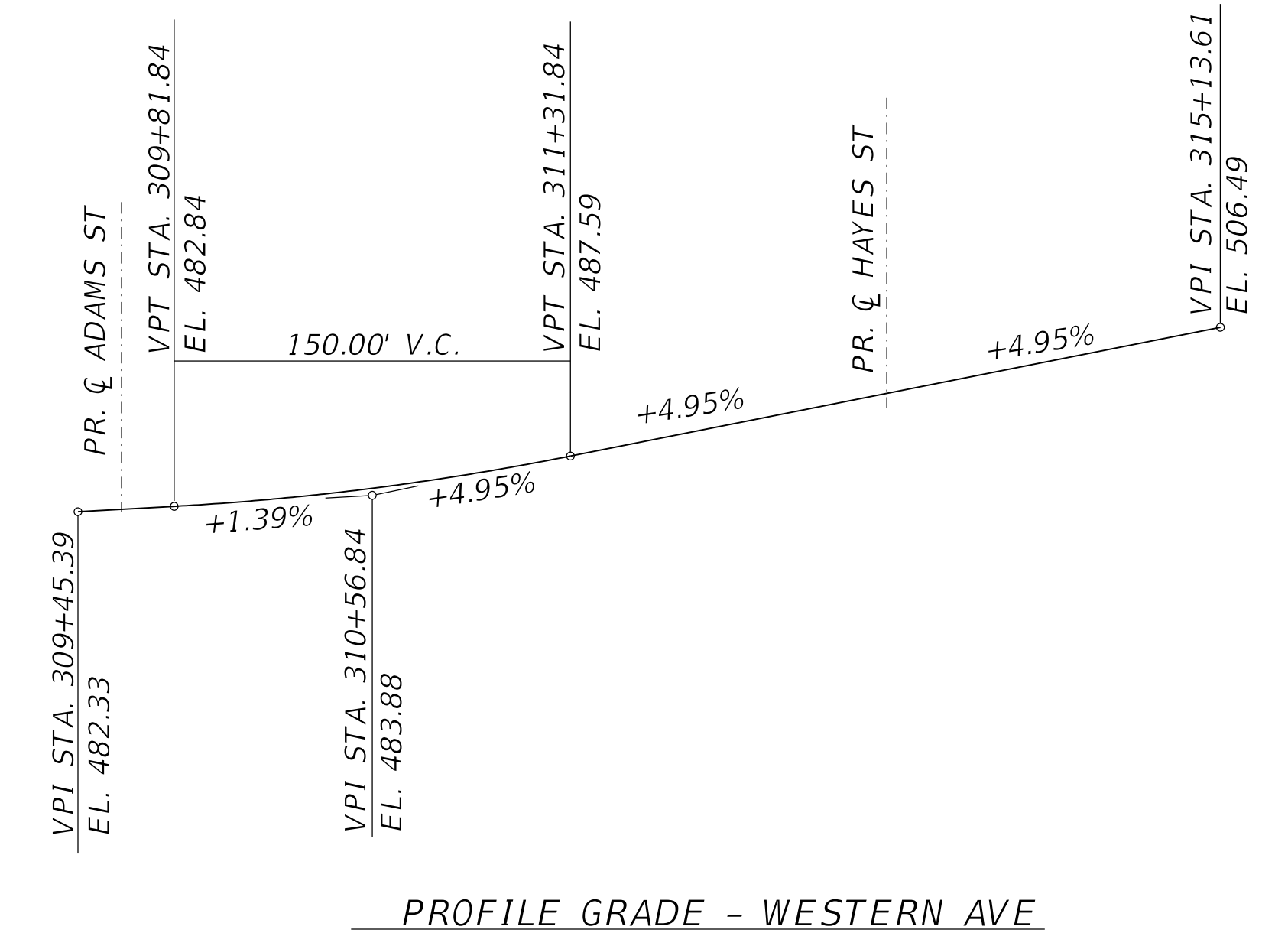
Reinforcement bars designated (E) shall be epoxy coated.  
 All exposed edges of concrete wall shall be chamfered  $\frac{3}{4}$ " at 45°. Chamfers on vertical edges of wall shall be continued a minimum of 1'-0" below finished ground level.  
 It shall be the Contractor's responsibility to verify the location of all utilities prior to starting construction. Contact J.U.L.I.E. 800-892-0123.  
 All exposed concrete surfaces shall have a Rubbed Finish.  
 1/2" PJF shall be placed between concrete facing and existing and proposed walls, sidewalks and steps. Incidental to Concrete Structures (Retaining Wall).

**INDEX OF SHEETS**

- 1 General Plan and Elevation
- 2 Bill of Materials and General Notes
- 3 Wall Plan and Elevation 1 of 2
- 4 Wall Plan and Elevation 2 of 2
- 5 Retaining Wall Details
- 6 Bicycle Railing (Special)
- 7 Soil Boring Logs

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Subbase Granular Material Type B, 6"	Sq Yd	86
Removal of Existing Structures	Each	1
Structure Excavation	Cu Yd	172
Rubbed Finish	Sq Ft	606
Concrete Structures (Retaining Wall)	Cu Yd	57.5
Reinforcement Bars, Epoxy Coated	Pound	6,260
Geocomposite Wall Drain	Sq Yd	71
Porous Granular Backfill	Cu Yd	84
Pipe Underdrains for Structures, 4"	Foot	120
Bicycle Railing (Special)	Foot	119



**ELEVATION OF WALL - RAIL POST LAYOUT**

MODEL: D416187005-SHT-89766-002  
 FILE NAME: T:\Projects\16-187-005 COP Western Printing\Design\CADD\Structural\R310-90\D416187005- WALL-R310+90.dgn

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CHECKED - DDB	ENGINEER OF BRIDGE DESIGN	
DRAWN - BKR	PASSED	REVISED - \$REVISED1\$
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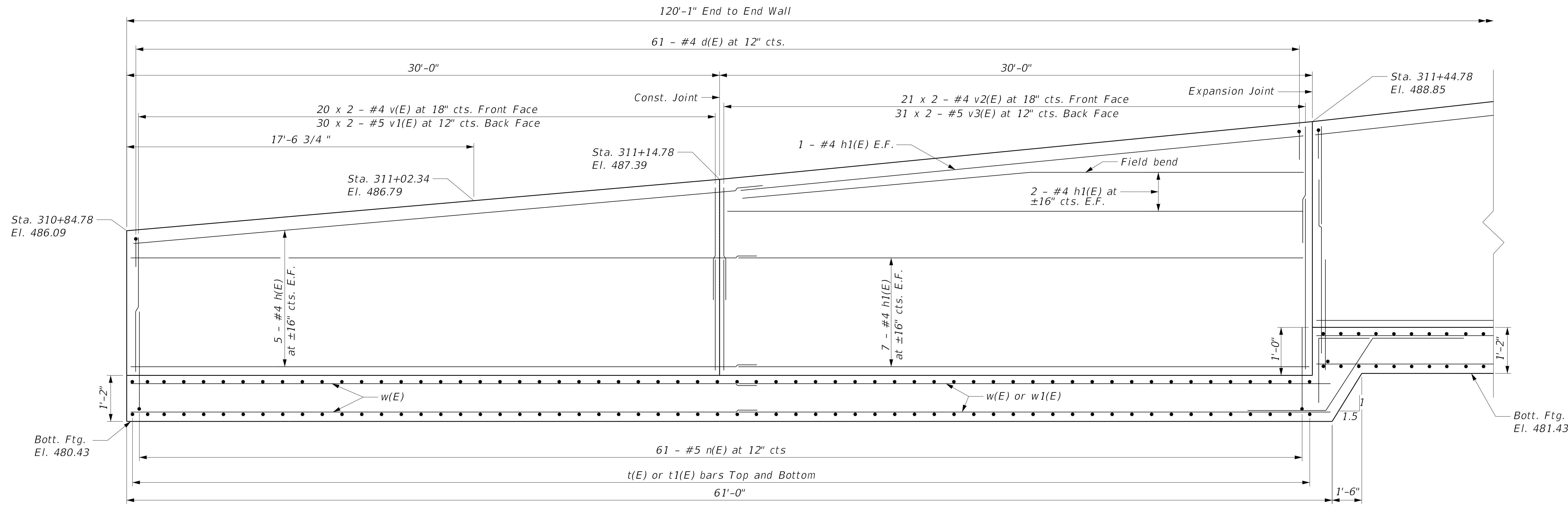
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BILL OF MATERIALS AND GENERAL NOTES  
 RETAINING WALL R310+90**

SHEET 2 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-00-EG	PEORIA	422	327
CONTRACT NO. 89766				

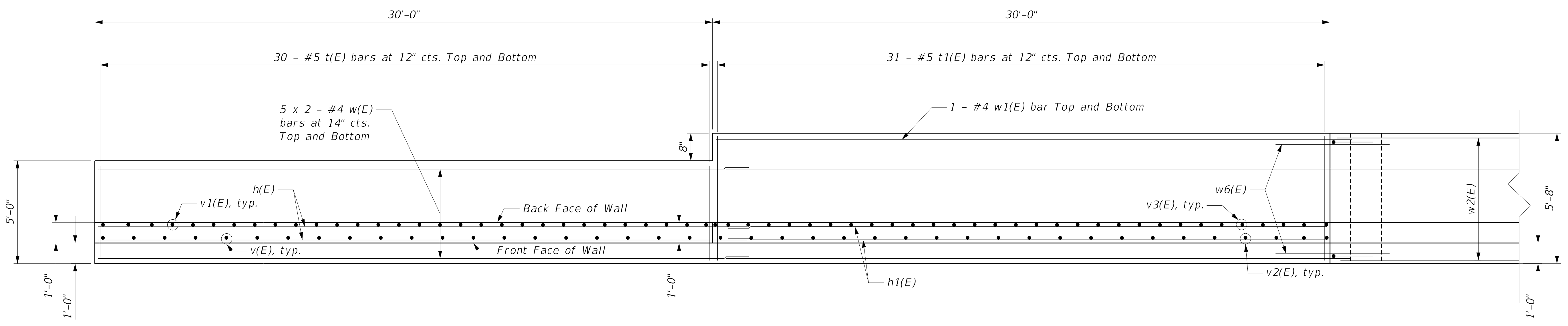
ILLINOIS FED. AID PROJECT



ELEVATION

MIN. BAR LAPS

#4 BAR 2'-11"  
#5 BAR 3'-2"



PLAN

Notes:  
1. Bars indicated thus 8x3 - #5 etc. indicates 8 lines of bars with 3 lengths per line.

MODEL: D416187005-SHT-89766-003  
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2/24/2020 11:59:40 AM

DESIGNED - KEF	EXAMINED	DATE -
CHECKED - DDB	ENGINEER OF BRIDGE DESIGN	
DRAWN - BKR	PASSED	REVISED - \$REVISED1\$
CHECKED - DDB	ENGINEER OF BRIDGES AND STRUCTURES	REVISED - \$REVISED2\$

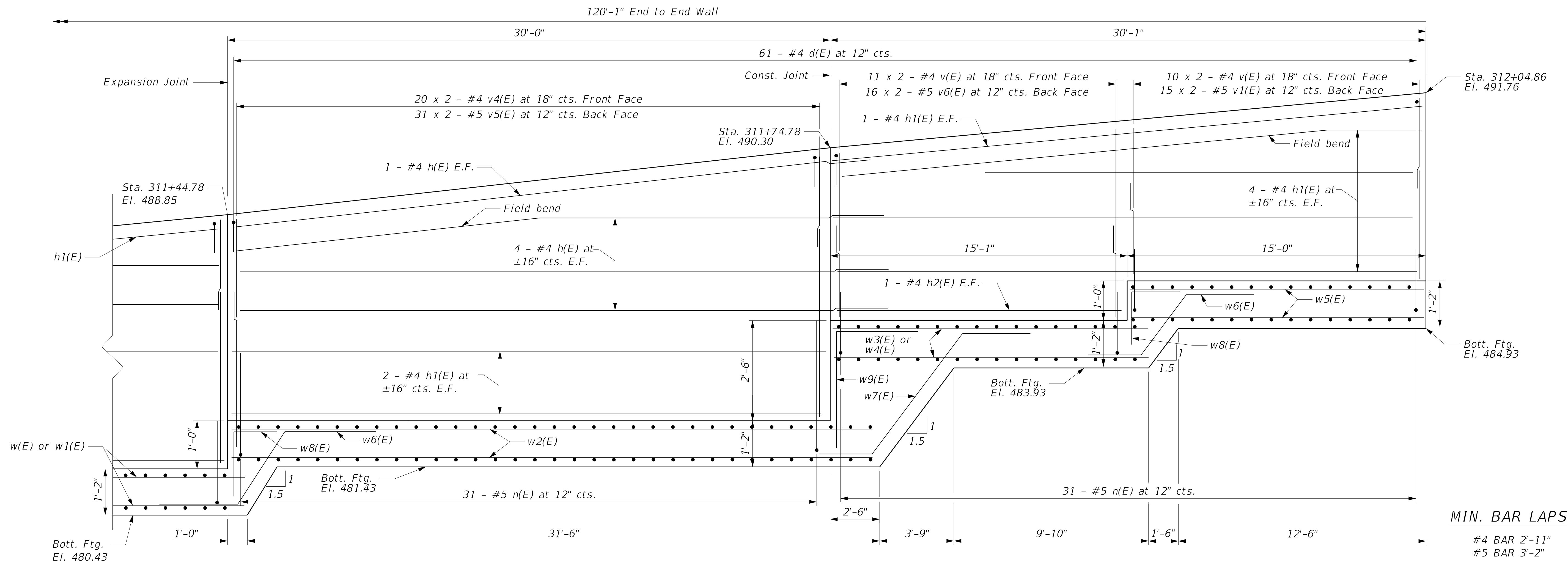
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WALL PLAN AND ELEVATION 1  
RETAINING WALL R310+90

SHEET 3 OF 7 SHEETS

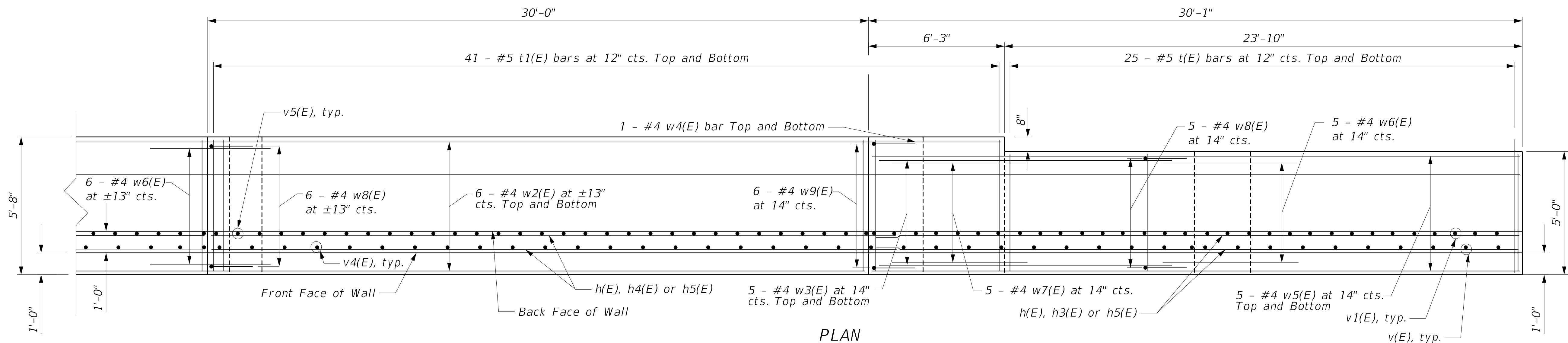
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-00-EG	PEORIA	422	328
CONTRACT NO. 89766				

ILLINOIS FED. AID PROJECT



ELEVATION

Note: 1. Bars indicated thus 8 x 3 - #5 etc. indicates 8 lines of bars with 3 lengths per line.



PLAN

MODEL: D416187005-SHT-89766-004  
FILE NAME: T:\Projects\16-187-005 COP Western Printing\Design\CADD\Structural\R310+90\DWG\16187005-WALL-R310+90.dgn

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CHECKED - DDB	ENGINEER OF BRIDGE DESIGN	
DRAWN - BKR	PASSED	REVISED - \$REVISED1\$
CHECKED - DDB	ENGINEER OF BRIDGES AND STRUCTURES	REVISED - \$REVISED2\$

2/24/2020 11:59:42 AM

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

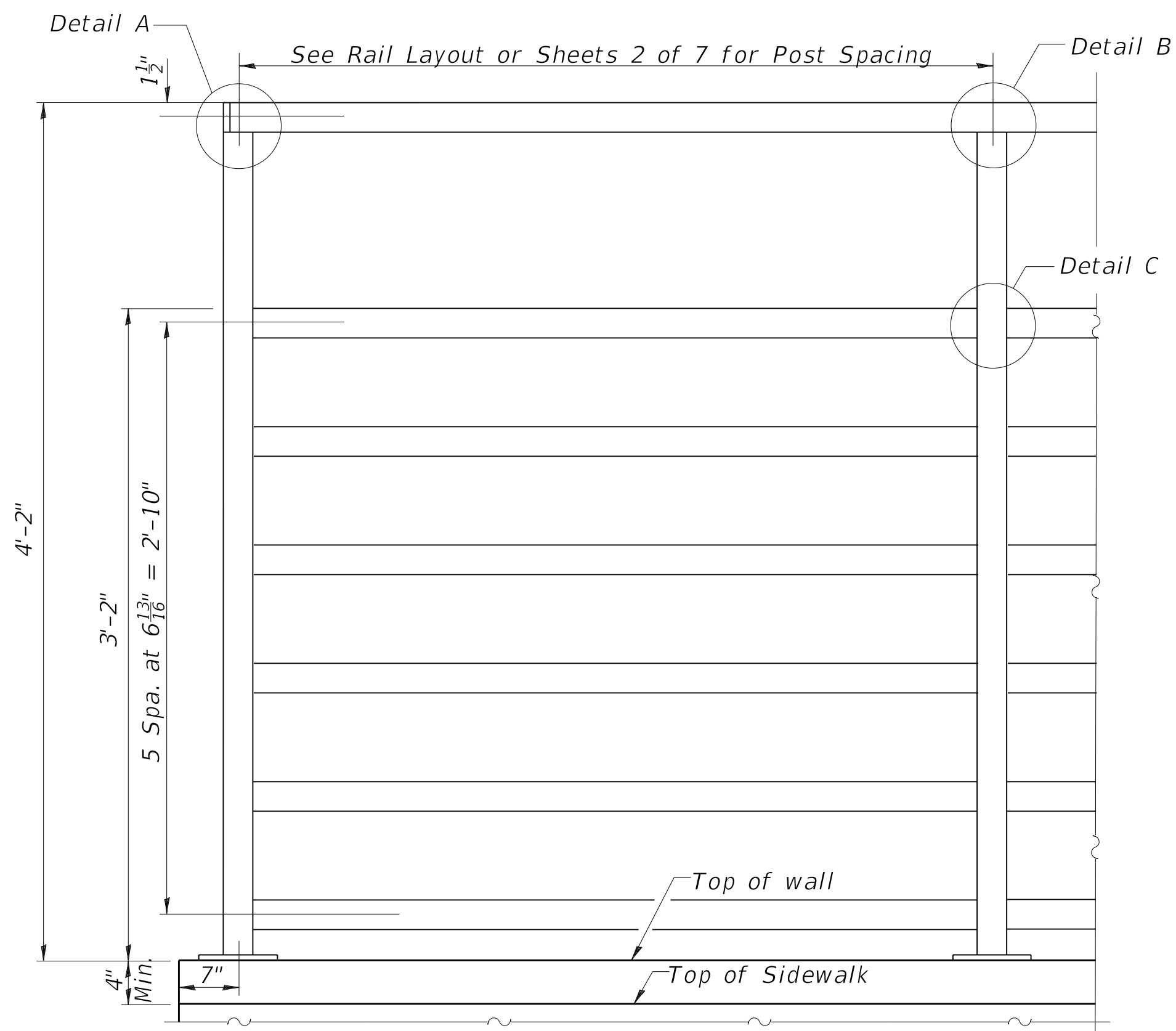
WALL PLAN AND ELEVATION 2  
RETAINING WALL R310+90

SHEET 4 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-00-EG	PEORIA	422	329
CONTRACT NO. 89766				

ILLINOIS FED. AID PROJECT





**RAILING**

**Notes:**

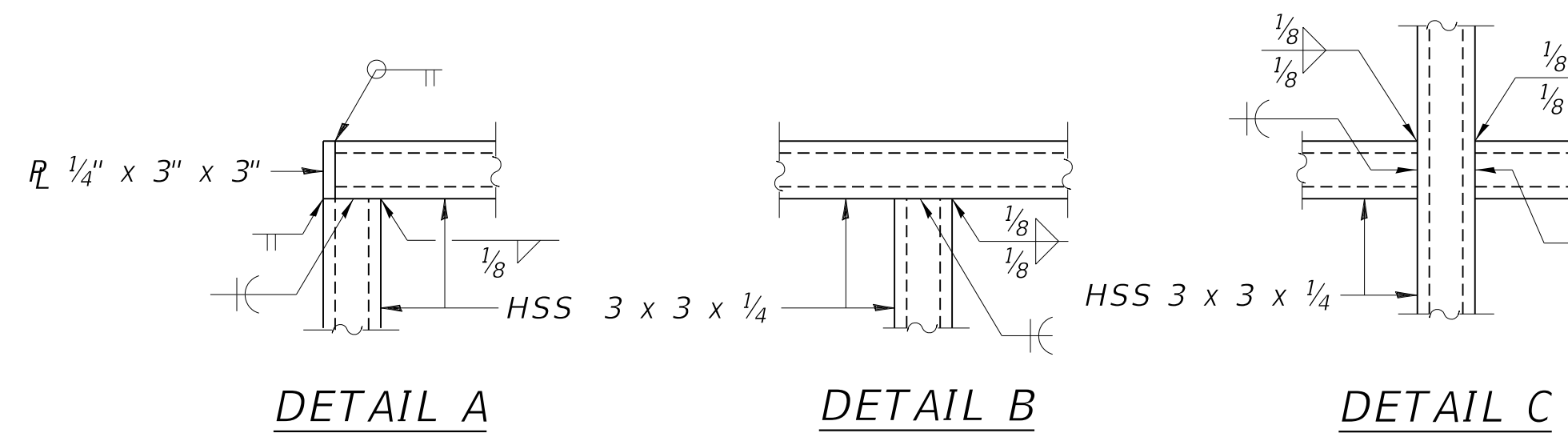
All structural steel tubing post and railing shall be CVN tested according to 1006.34(b) of the Standard Specifications.

Ends of handrail shall be either rounded or returned smoothly to floor, wall or post.

Hand & safety rails shall not rotate within their fittings.

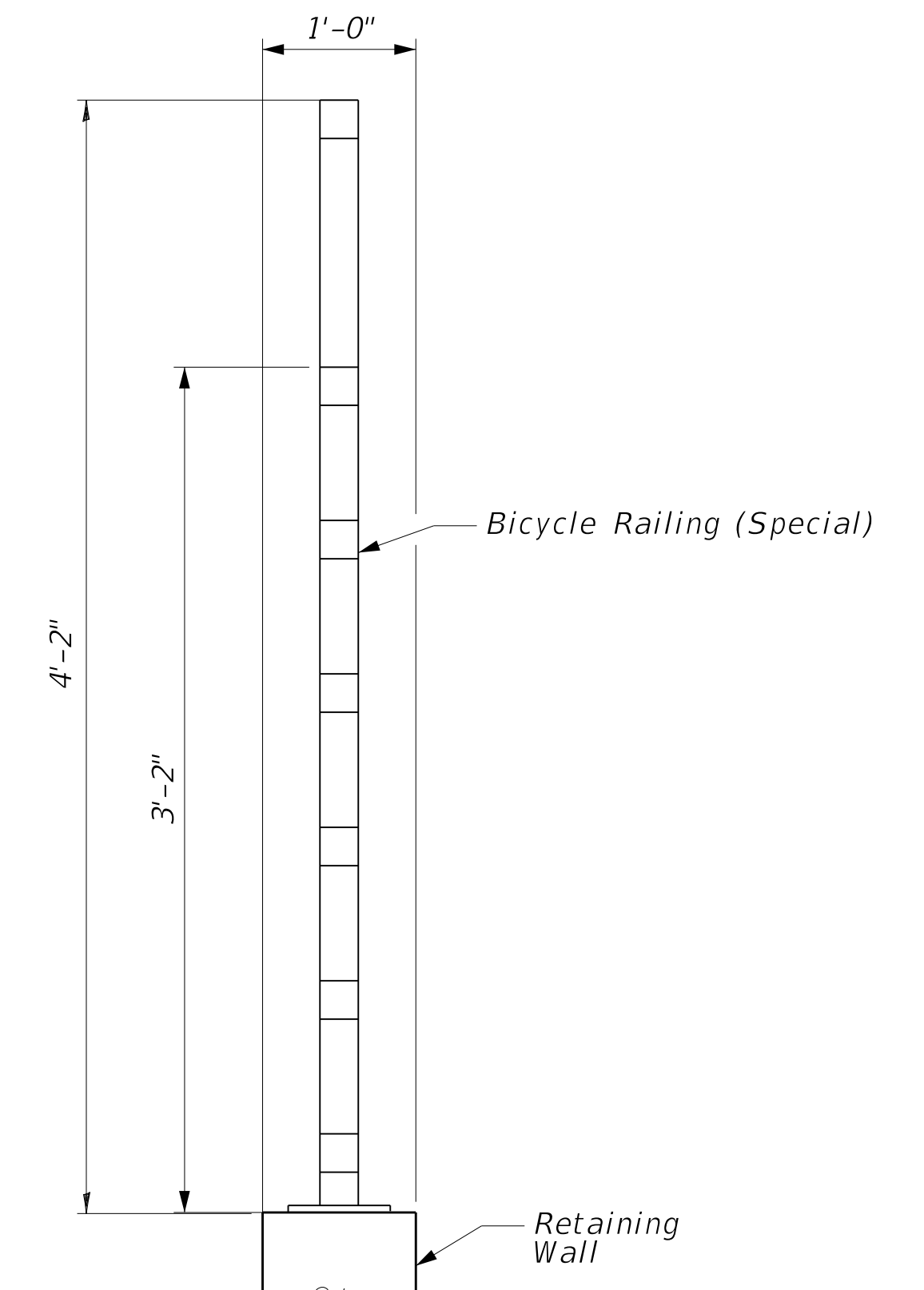
Expansion joints in railing shall match location of expansion joints in walls.

The rail fabricator shall be responsible for field verification of all horizontal and vertical retaining wall geometry and joints prior to fabrication of the prescribed rails.

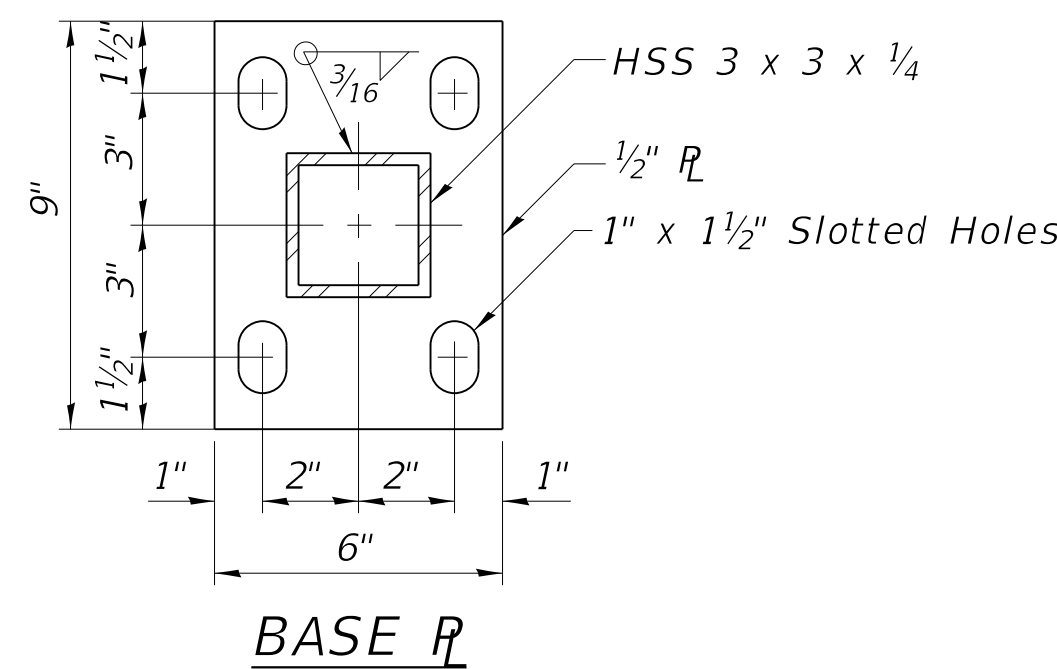


All posts, railing, splices, anchor devices, and plates shall be painted black using the Organic Zinc Rich Primer / Epoxy / Urethane Pain System per the Special Provision for Bicycle Railing (Special) and Article 509.05 of the Standard Specifications.

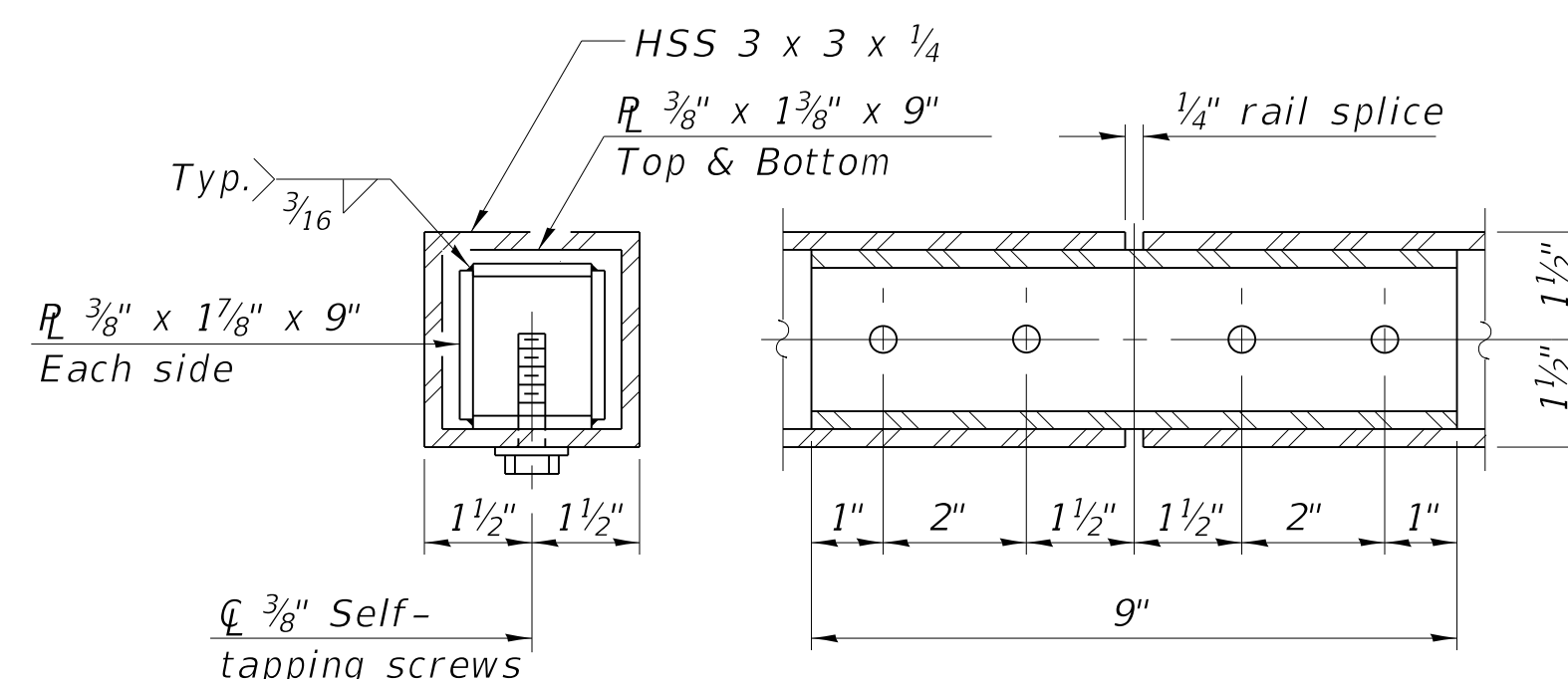
Posts shall be fabricated to be plumb when installed on the retaining wall. Bevel the base plate and angle the horizontal rails as necessary to follow the vertical profile of the top of retaining wall.



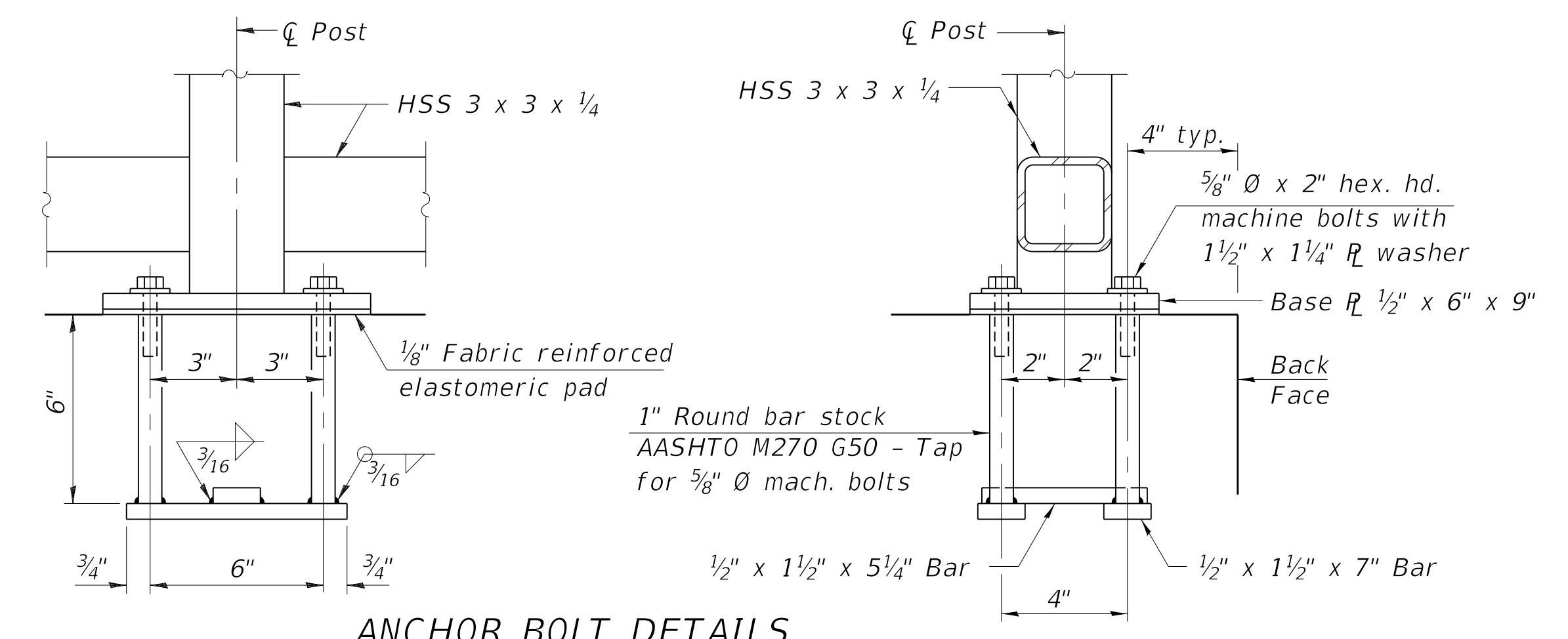
**SECTION THRU WALL**



**BASE PLATE**



**RAIL SPLICE**



**ANCHOR BOLT DETAILS**

**BILL OF MATERIAL**

Item	Unit	Quantity
Bicycle Railing (Special)	Foot	119

MODEL: D416187005-SHT-89766-006  
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CHECKED - DDB	ENGINEER OF BRIDGE DESIGN	
DRAWN - BKR	PASSED	
CHECKED - DDB	ENGINEER OF BRIDGES AND STRUCTURES	

REVISD - \$REVISED1\$
REVISD - \$REVISED2\$

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BICYCLE RAILING (SPECIAL)  
 RETAINING WALL R310+90**

SHEET 6 OF 7 SHEETS

F.A.P. RTE. 6594	SECTION 16-00368-00-EG	COUNTY PEORIA	TOTAL SHEETS 422	SHEET NO. 331
			CONTRACT NO. 89766	
		ILLINOIS FED. AID PROJECT		



# SOIL BORING LOG

Page 1 of 1  
Date 12/13/17

ROUTE - DESCRIPTION Western Avenue Improvement LOGGED BY Krusemark  
SECTION - LOCATION Peoria, Illinois, SEC. 18, TWP. T8N, RNG. R8E, 4<sup>th</sup> PM,  
Latitude, Longitude  
COUNTY Peoria DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	DEPTH	B	U	M	Surface Water Elev.	ft
Station	TH	L	C	O	Stream Bed Elev.	ft
		S	S	I	Groundwater Elev.:	
		Qu	T	S	First Encounter	None ft
					Upon Completion	None ft
					After	Hrs. - ft
					Ground Surface Elev.	481.64
BITUMINOUS CONCRETE (2.0')						
PORTLAND CEMENT CONCRETE (10.0')						
Brown, Fine- To Medium-Grained SAND And GRAVEL (14.0')	4					
Loose, Dark Gray, Fine- To Medium-Grained SAND and Fine-Grained GRAVEL With Considerable Silt (Fill)	2			11		
Medium, Brown CLAY LOAM	2		0.9	20	DD = 102 PCF	
	3		B			
	2					
	3		0.8	22	DD = 98 PCF	
	2		B			
Medium, Gray-Brown SANDY LOAM	2					
	3		0.8	19	DD = 104 PCF	
	4		B			
Very Loose, Brown, Fine- To Medium-Grained SAND With Some Silty Clay	2			7		
	2					
	1					
Loose, Light Brown, Fine- To Medium-Grained SAND	2					
	3			6		
	4					
End of Boring						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, form 137 (Rev. 8-99)



# SOIL BORING LOG

Page 1 of 1  
Date 12/14/17

ROUTE - DESCRIPTION Western Avenue Improvement LOGGED BY Krusemark  
SECTION - LOCATION Peoria, Illinois, SEC. 17, TWP. T8N, RNG. R8E, 4<sup>th</sup> PM,  
Latitude, Longitude  
COUNTY Peoria DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	DEPTH	B	U	M	Surface Water Elev.	ft
Station	TH	L	C	O	Stream Bed Elev.	ft
		S	S	I	Groundwater Elev.:	
		Qu	T	S	First Encounter	None ft
					Upon Completion	None ft
					After	Hrs. - ft
					Ground Surface Elev.	483.72
BITUMINOUS CONCRETE (4.5')						
PORTLAND CEMENT CONCRETE (14.5')						
Brown, Fine- To Medium-Grained SAND And GRAVEL (17.0')	4					
Loose, Brown, Fine-Grained SAND With Considerable Silty Clay	4			11		
Very Loose, Gray-Brown, Fine- To Medium-Grained SAND And Some Silty Clay	2			7		
	2					
	1					
	2			6		
	1					
	2					
Medium-Density, Light Brown, Fine- To Medium-Grained SAND With Some Silty Clay	5			6		
	6					
	8					
Medium-Density, Light Brown, Fine-Grained SAND	4			5		
	8					
	12					
	5					
	9			4		
	13					
End of Boring						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, form 137 (Rev. 8-99)



# SOIL BORING LOG

Page 1 of 1  
Date 12/13/17

ROUTE - DESCRIPTION Western Avenue Improvement LOGGED BY Krusemark  
SECTION - LOCATION Peoria, Illinois, SEC. 18, TWP. T8N, RNG. R8E, 4<sup>th</sup> PM,  
Latitude, Longitude  
COUNTY Peoria DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	DEPTH	B	U	M	Surface Water Elev.	ft
Station	TH	L	C	O	Stream Bed Elev.	ft
		S	S	I	Groundwater Elev.:	
		Qu	T	S	First Encounter	None ft
					Upon Completion	None ft
					After	Hrs. - ft
					Ground Surface Elev.	495.17
BITUMINOUS CONCRETE (3.0')						
PORTLAND CEMENT CONCRETE (10.0')						
Brown, Fine- To Medium-Grained SAND And GRAVEL (15.0')	4					
Medium-Density, Gray-Brown, Fine- To Medium-Grained SAND With Trace of Silt	5			6		
	6					
Loose, Light Brown, Fine- To Medium-Grained SAND	2			4		
	3					
	3					
End of Boring						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, form 137 (Rev. 8-99)

## SOIL BORING LOGS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS  
RETAINING WALL R310+90

SHEET 7 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-00-EG	PEORIA	422	332
CONTRACT NO. 89766				

ILLINOIS FED. AID PROJECT

MODEL: D416187005-SHT-89766-007  
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2/24/2020 11:59:48 AM

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CHECKED - DDB	ENGINEER OF BRIDGE DESIGN	
DRAWN - BKR	PASSED	REVISED - \$REVISED1\$
CHECKED - DDB	ENGINEER OF BRIDGES AND STRUCTURES	REVISED - \$REVISED2\$



DESIGN STRESSES

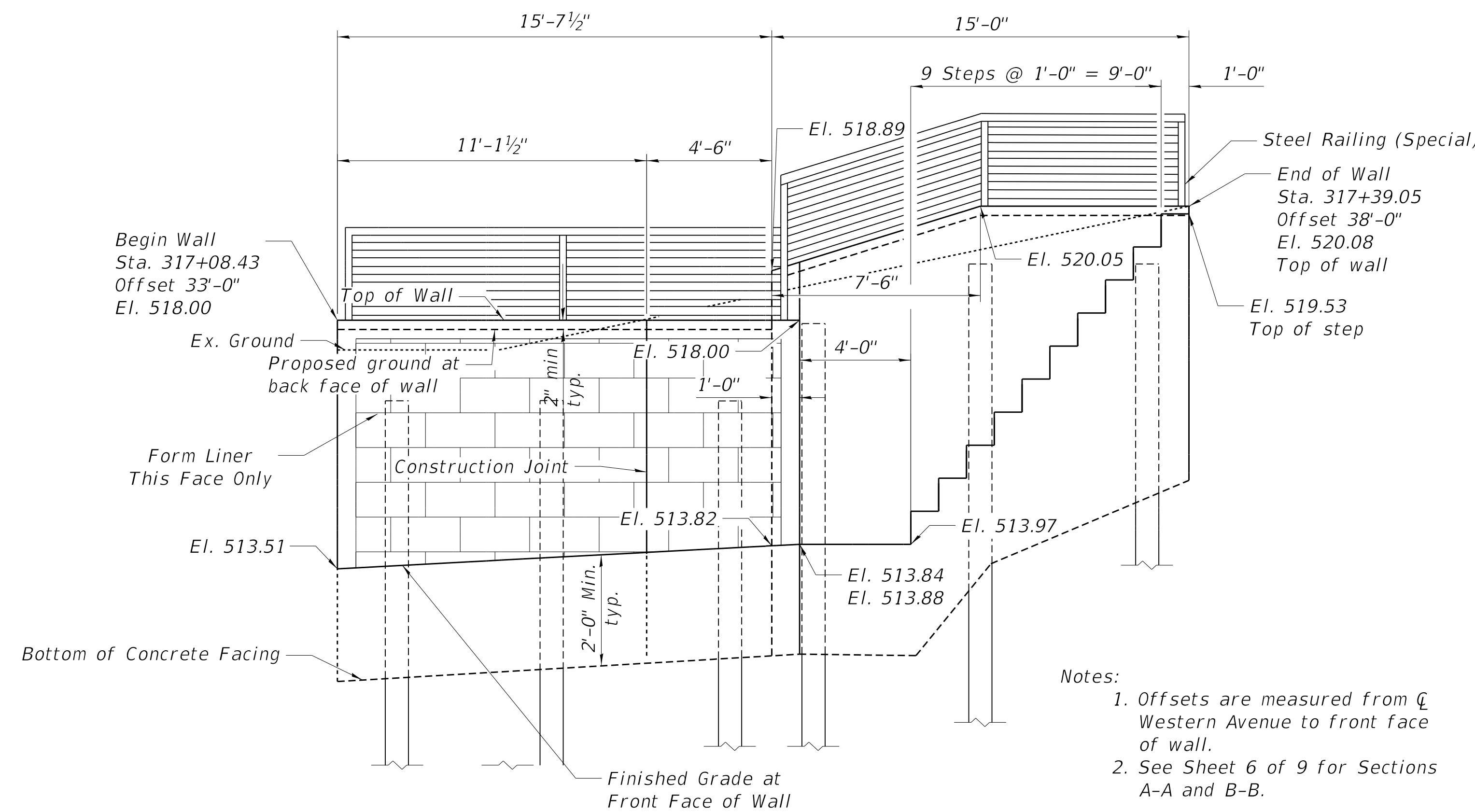
FIELD UNITS  
f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)  
SOLDIER PILE  
fy = 50,000 psi (AASHTO M27, Gr. 50)

LEGEND

- ◆ Soil Boring Location
- Exist. Water Main
- Exist. Sanitary Sewer
- Exist. Aerial Line
- Exist. Underground Telephone Line
- Existing Storm Sewer Line
- Existing Fiber Optic Line
- Existing Fence

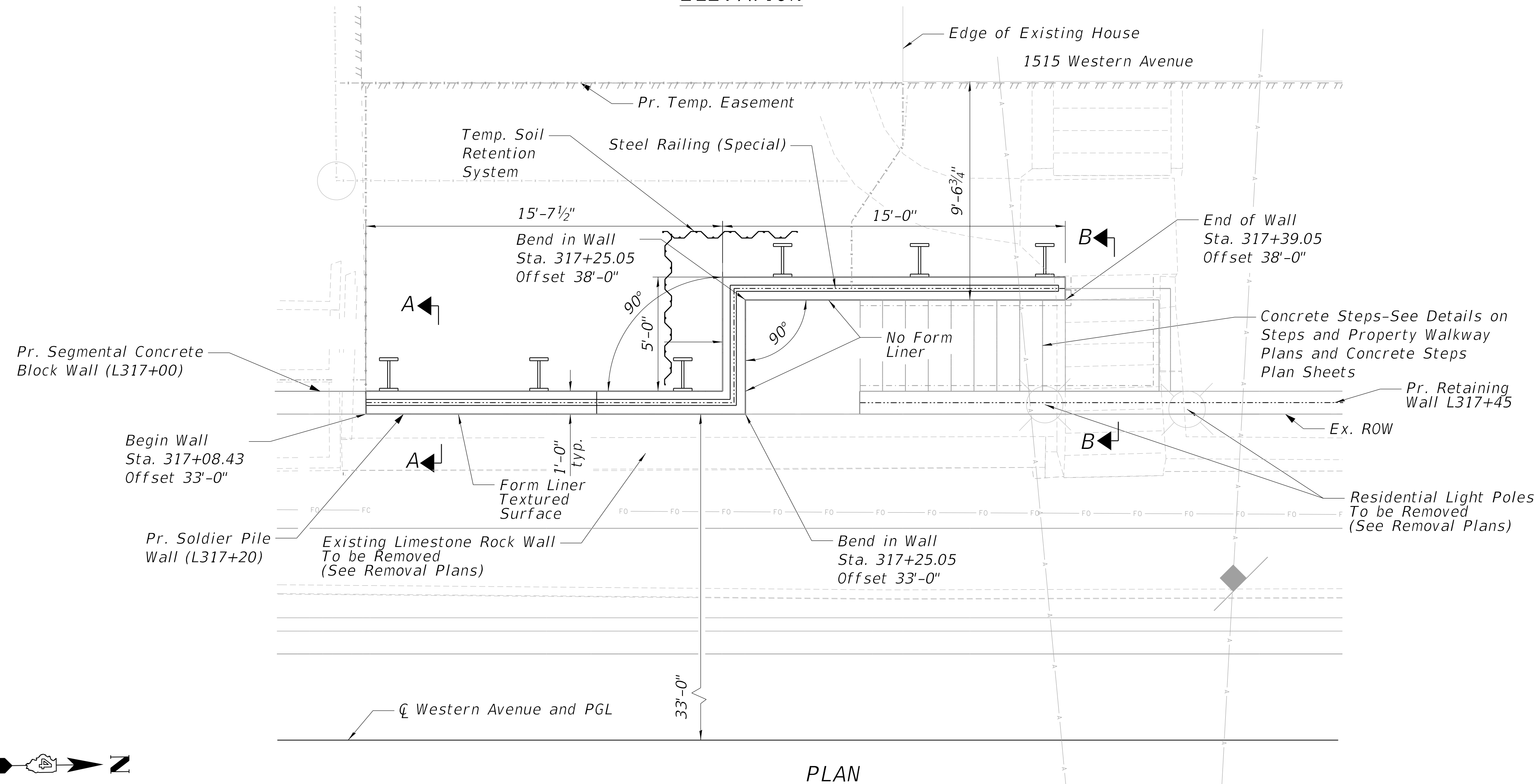
SEQUENCE OF CONSTRUCTION

- 1.) Relocate existing utilities to remain where there is interference.
- 2.) Set and install Soldier Piles to the elevation shown on the plans.
- 3.) Excavation in front of the wall shall proceed to the bottom of the facing by installing timber lagging downward.
- 4.) Once excavation is completed the cast in place facing shall be installed.
- 5.) Once the Facing has attained adequate strength, embankment shall be installed behind the wall.

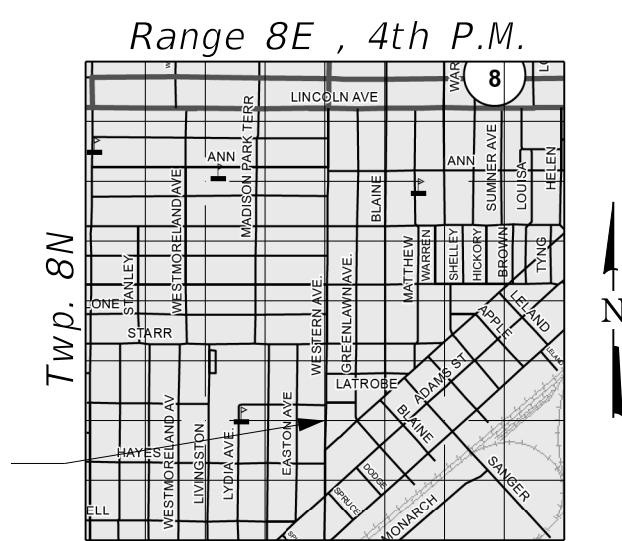


- Notes:
1. Offsets are measured from  $\bar{C}$  Western Avenue to front face of wall.
  2. See Sheet 6 of 9 for Sections A-A and B-B.

ELEVATION



PLAN



LOCATION SKETCH

DATE SIGNED : 2/21/20  
LIC. EXP. DATE : 11/30/2020

MODEL: D416187005-SHT-89766-001  
FILE NAME: T:\Projects\16-187-005 COP Western Printing\Design\CADD\Structural\317-20\416187005-WALL-L317+20.dgn

DESIGNED - KEF	EXAMINED	DATE -
CHECKED - DDB	ENGINEER OF BRIDGE DESIGN	REVISED - \$REVISED1\$
DRAWN - BKR	PASSED	REVISED - \$REVISED2\$
CHECKED - DDB	ENGINEER OF BRIDGES AND STRUCTURES	

DESIGNED - KEF	EXAMINED	DATE -
CHECKED - DDB	ENGINEER OF BRIDGE DESIGN	REVISED - \$REVISED1\$
DRAWN - BKR	PASSED	REVISED - \$REVISED2\$
CHECKED - DDB	ENGINEER OF BRIDGES AND STRUCTURES	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION  
RETAINING WALL L317+20

SHEET 1 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-00-EG	PEORIA	422	333
CONTRACT NO. 89766				
ILLINOIS FED. AID PROJECT				

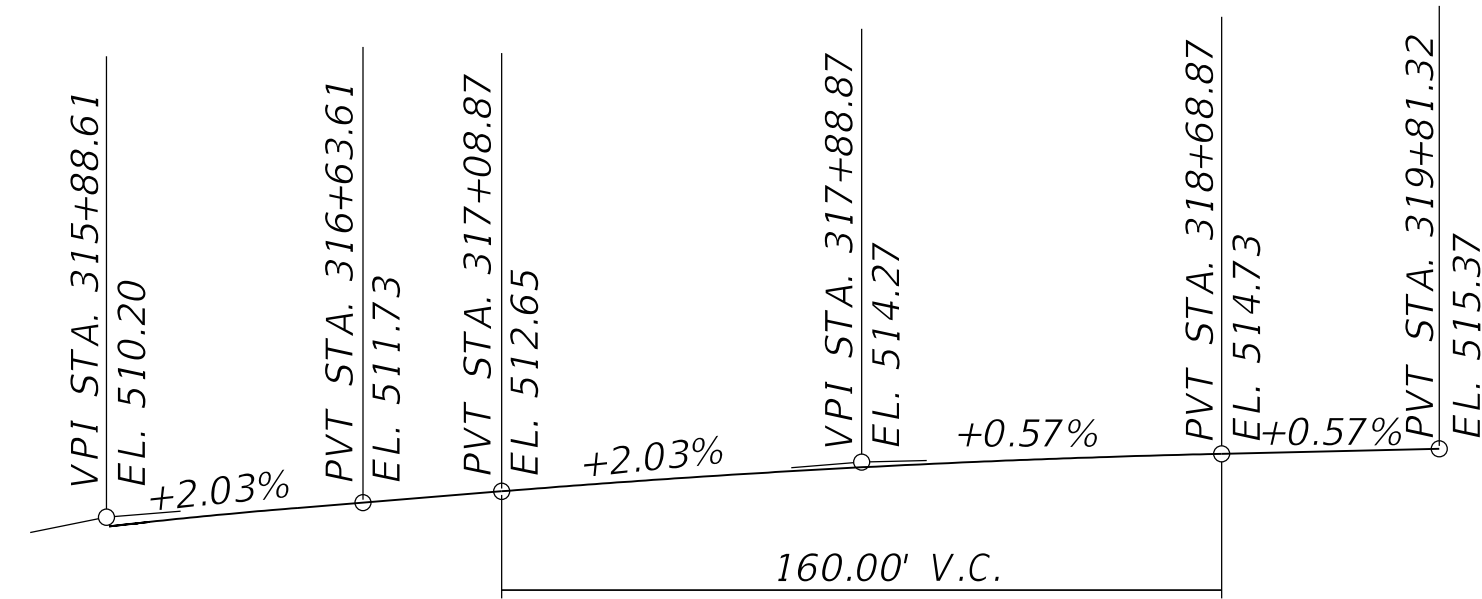
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**INDEX OF SHEETS**

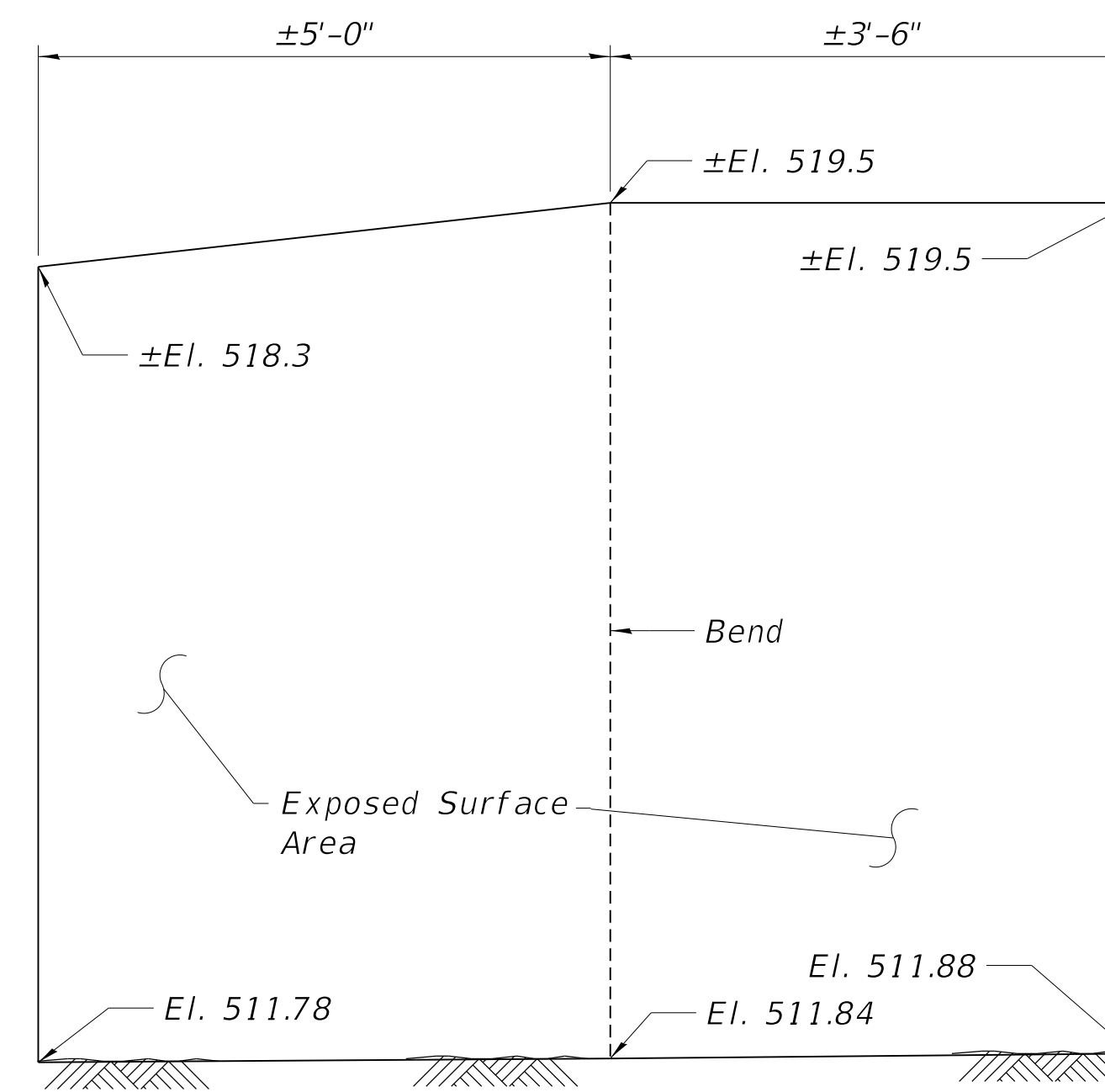
- 1 General Plan and Elevation
- 2 General Notes and Total Bill of Material
- 3 Wall Plan and Elevation
- 4 C.I.P. Concrete Facing
- 5 C.I.P. Section Details
- 6 Retaining Wall Sections
- 7 Retaining Wall Section Details
- 8 Steel Railing (Special)
- 9 Soil Boring Logs

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Structure Excavation	Cu Yd	33
Concrete Structures	Cu Yd	8.4
Rubbed Finish	Sq Ft	143
Form Liner Textured Surface	Sq Ft	59
Stud Shear Connectors	Each	29
Reinforcement Bars, Epoxy Coated	Pound	1,170
Temporary Soil Retention System	Sq Ft	63
Furnishing Soldier Piles (HP Section)	Foot	144
Driving Soldier Piles	Foot	144
Untreated Timber Lagging	Sq Ft	131
Geocomposite Wall Drain	Sq Yd	10
Pipe Underdrains For Structures, 4"	Foot	36
Steel Railing (Special)	Foot	34



**PROFILE GRADE - WESTERN AVE**

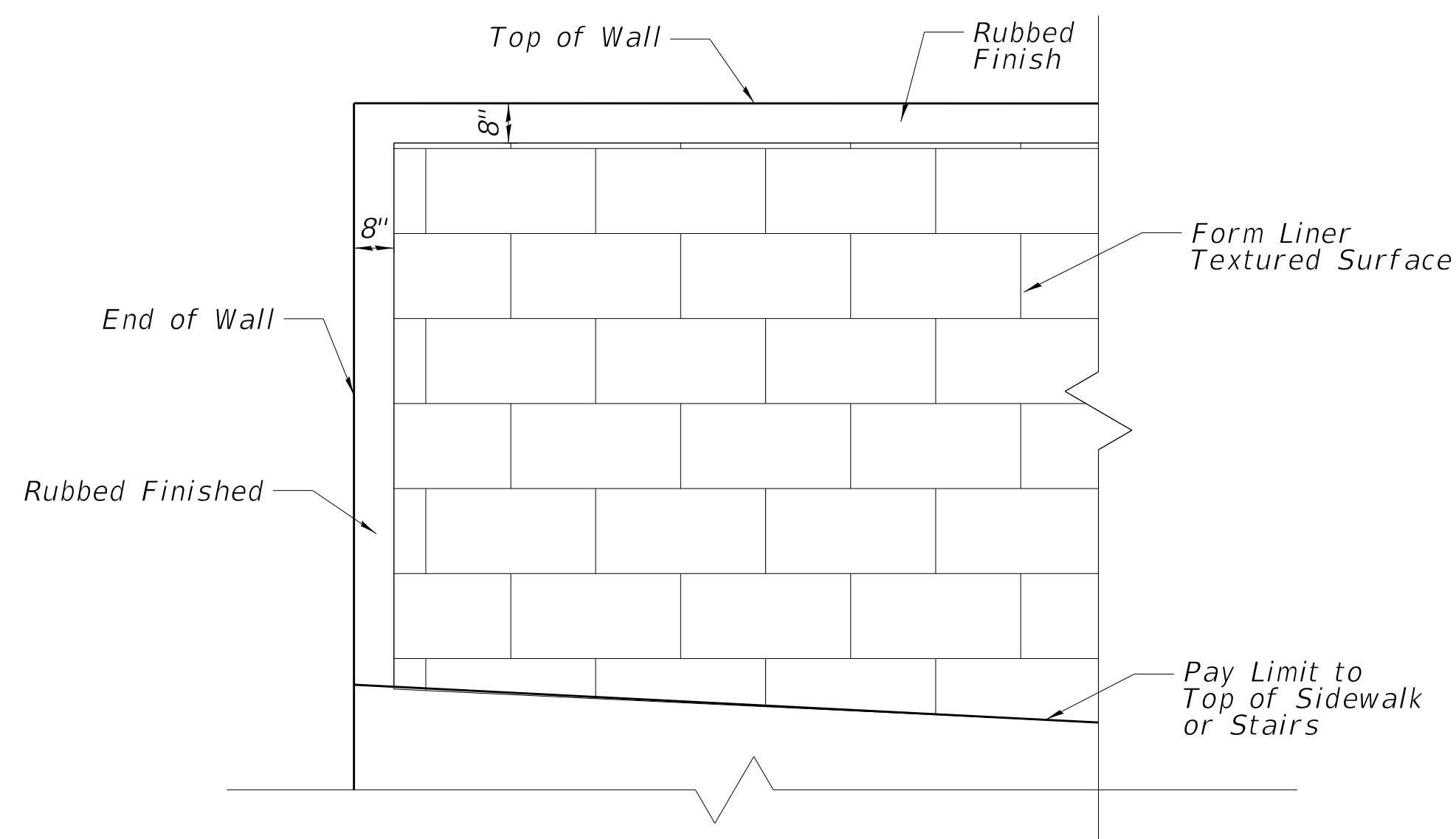


**TEMPORARY SOIL RETENTION SYSTEM**

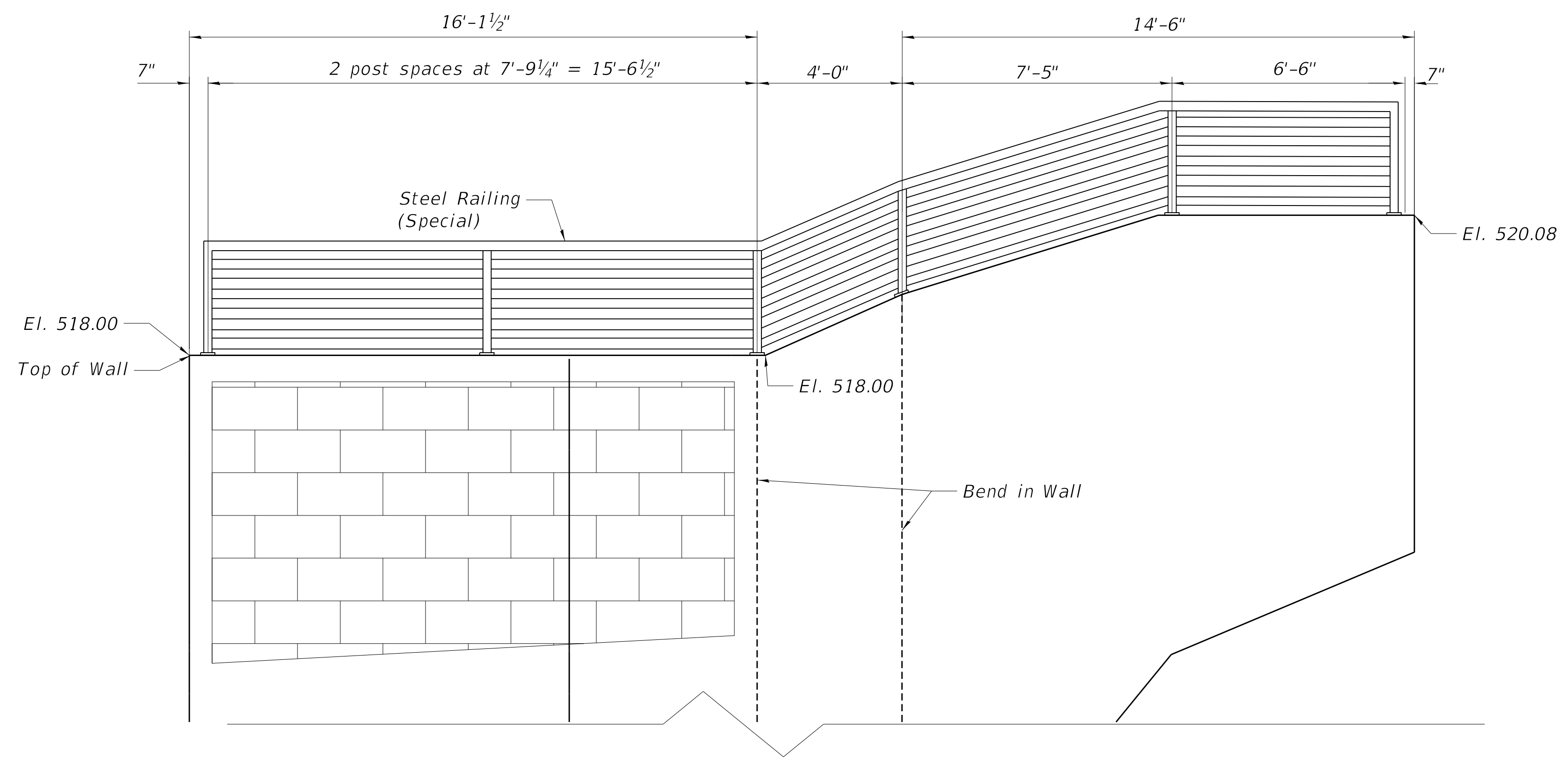
**GENERAL NOTES:**

1. Reinforcement bars designated (E) shall be epoxy coated.
2. All exposed edges of the cast in place concrete wall shall be chamfered  $\frac{3}{4}$ ".
3. All construction joints shall be bonded.
4. No field welding is permitted except as specified in the contract documents.
5. Contractor shall determine the most appropriate method of installation of the soldier piles in an effort to avoid potential damage to adjacent structures. The provisions in Art. 522 of the Standard Specifications apply with the exception of 522.08(b)(2) where only a vibratory hammer will be allowed to install the soldier piles.
6. See Roadway Plans for any earthwork that may be required adjacent to the retaining wall.
7. See Removal Plans for removal of any existing retaining walls.
8. Contractor shall exercise care during all construction activities and shall utilize appropriate methods of construction to protect property and structures near the proposed construction limits from damage due to demolition and construction activities.
9. The Form Liner Textured Surface shall be Dayton Superior 8"x16" Rock Face Block. If forms are re-used, they shall be cleaned to the satisfaction of the Engineer prior to re-use.
10. All exposed concrete that is not Form Lined Textured Surface shall have a Rubbed Finish.
11. 1/2" PJF shall be placed between concrete facing and existing and proposed walls, sidewalks and steps. Incidental to Concrete Structures.

MODEL: D416187005-SHT-89766-002  
FILE NAME: T:\Projects\16-187-005 COP Western Printing\Design\CADD\Structural\1317-20\16187005-WALL-L317+20.dgn



**TYPICAL FORM LINER TEXTURED SURFACE**



**UNFOLDED ELEVATION OF WALL - RAIL POST LAYOUT**

Note: Dimensions shown are along center of C.I.P. concrete and center of rail posts.

DESIGNED - KEF	EXAMINED
CHECKED - DDB	ENGINEER OF BRIDGE DESIGN
DRAWN - BKR	PASSED
CHECKED - DDB	ENGINEER OF BRIDGES AND STRUCTURES

DATE -	REVISD - \$REVISED1\$
	REVISD - \$REVISED2\$

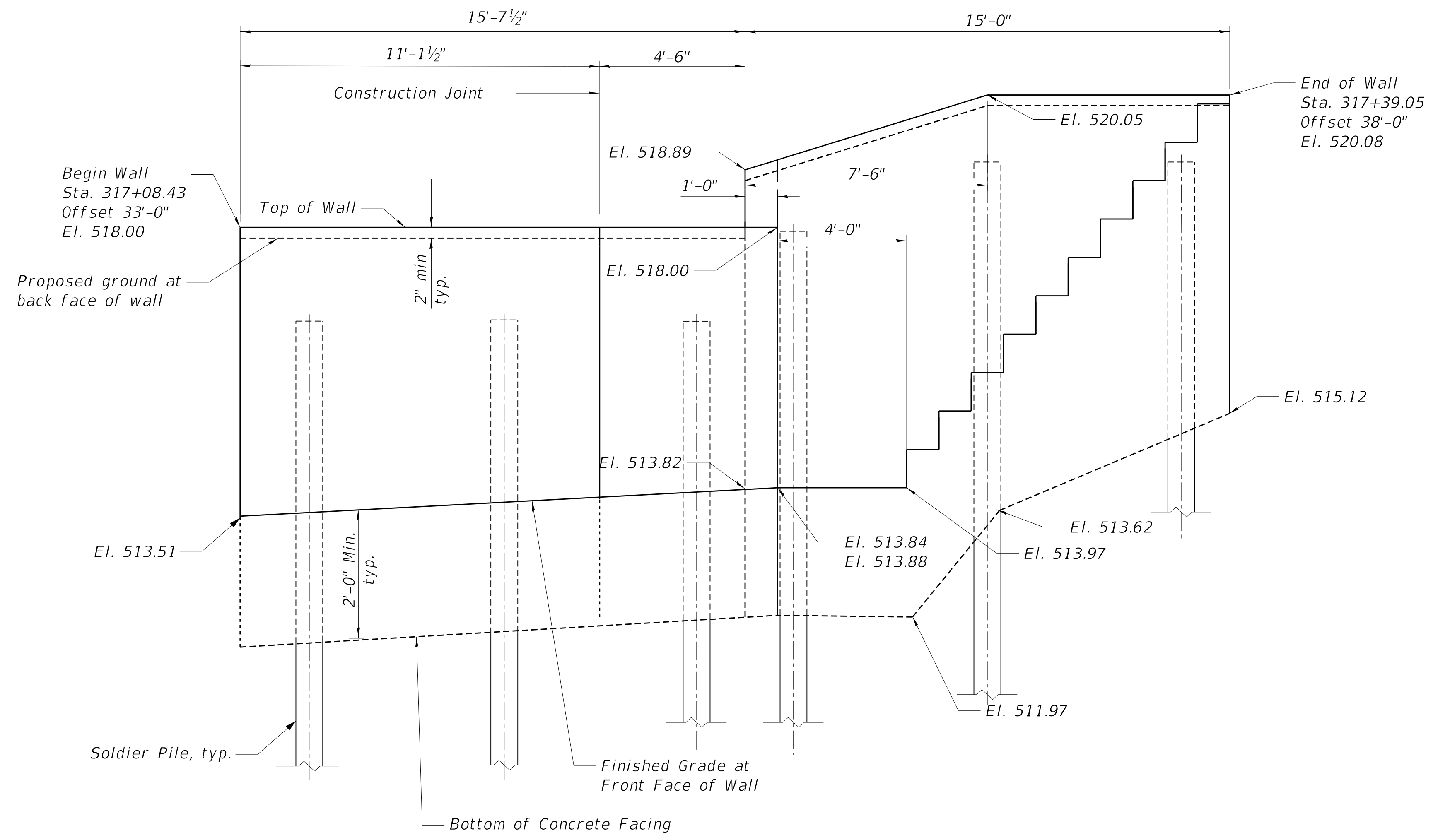
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES AND TOTAL BILL OF MATERIAL  
RETAINING WALL L317+20**

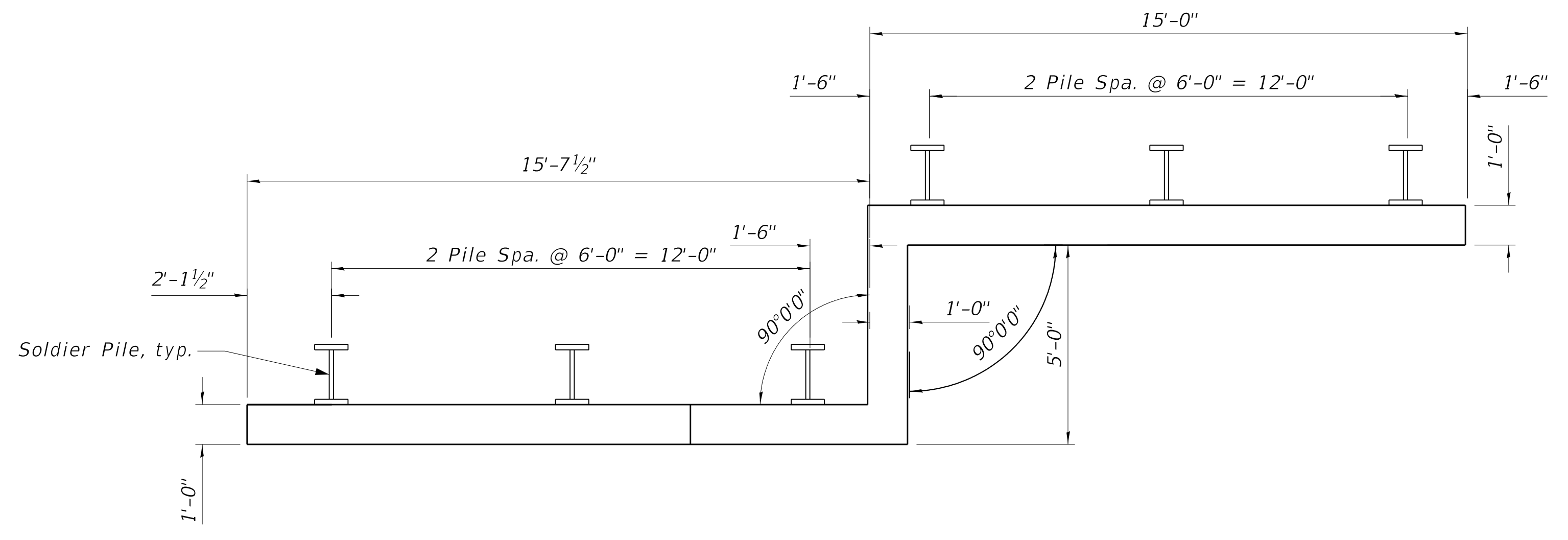
SHEET 2 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-00-EG	PEORIA	422	334
CONTRACT NO. 89766				

ILLINOIS FED. AID PROJECT



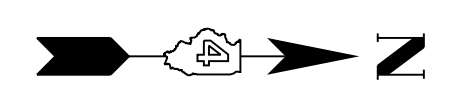
ELEVATION OF RETAINING WALL L317+20



PLAN OF RETAINING WALL L317+20

Notes:  
1. Offsets are measured from  $\odot$  Western Avenue to the front face of the wall.

MODEL: D416187005-SHT-89766-003  
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DESIGNED - KEF	EXAMINED	DATE -
CHECKED - DDB	ENGINEER OF BRIDGE DESIGN	
DRAWN - BKR	PASSED	REVISED - \$REVISED1\$
CHECKED - DDB	ENGINEER OF BRIDGES AND STRUCTURES	REVISED - \$REVISED2\$

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WALL PLAN AND ELEVATION  
RETAINING WALL L317+20

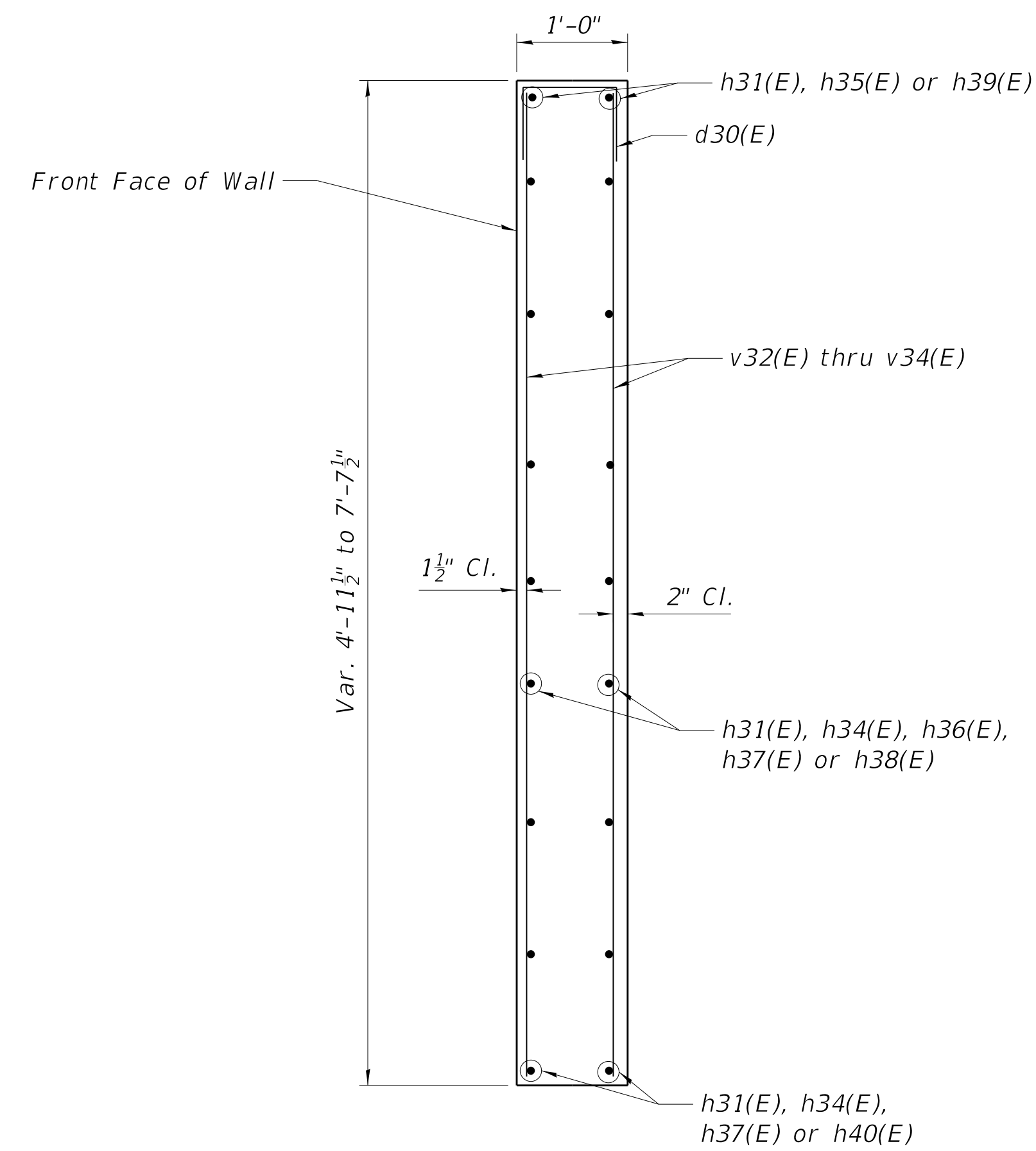
SHEET 3 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-00-EG	PEORIA	422	335
CONTRACT NO. 89766				
ILLINOIS		FED. AID PROJECT		

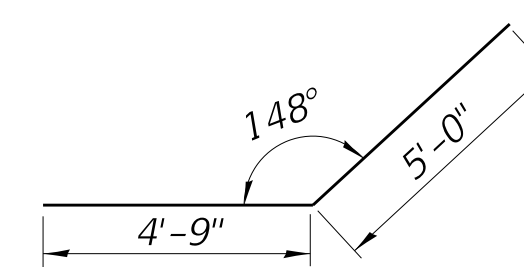


**BILL OF MATERIAL**

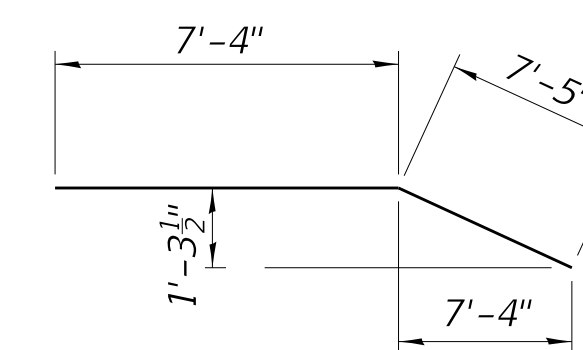
Bar	No.	Size	Length	Shape
d30(E)	37	#4	5'-10"	□
h31(E)	16	#5	16'-3"	—
h34(E)	14	#5	12'-4"	┌
h35(E)	2	#5	7'-9"	┌
h36(E)	8	#5	14'-8"	—
h37(E)	8	#5	10'-0"	—
h38(E)	2	#5	12'-3"	—
h39(E)	2	#5	14'-9"	—
h40(E)	2	#5	9'-9"	—
v32(E)	18	#4	11'-11"	—
v33(E)	22	#4	5'-2"	—
v34(E)	8	#4	10'-9"	—
Reinforcement Bars, Epoxy Coated			Pound	1,170



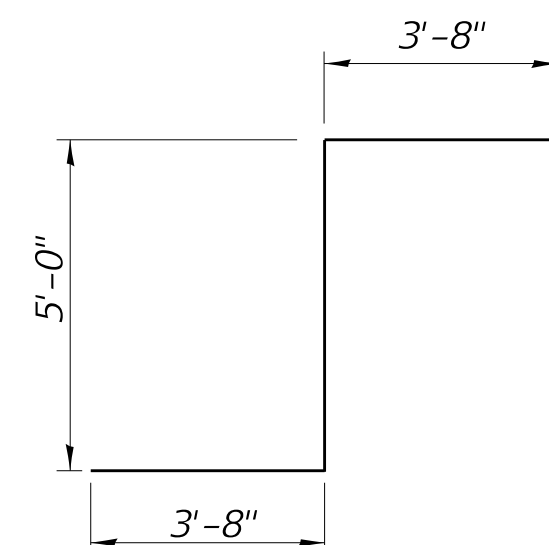
**SECTION THRU C.I.P. CONCRETE FACING**



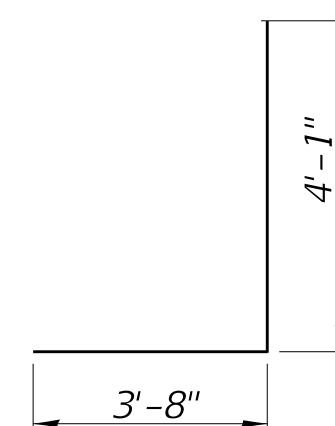
**BAR h40(E)**



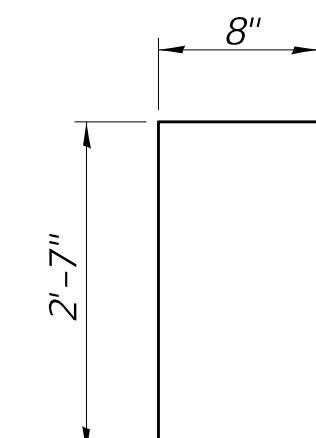
**BAR h39(E)**



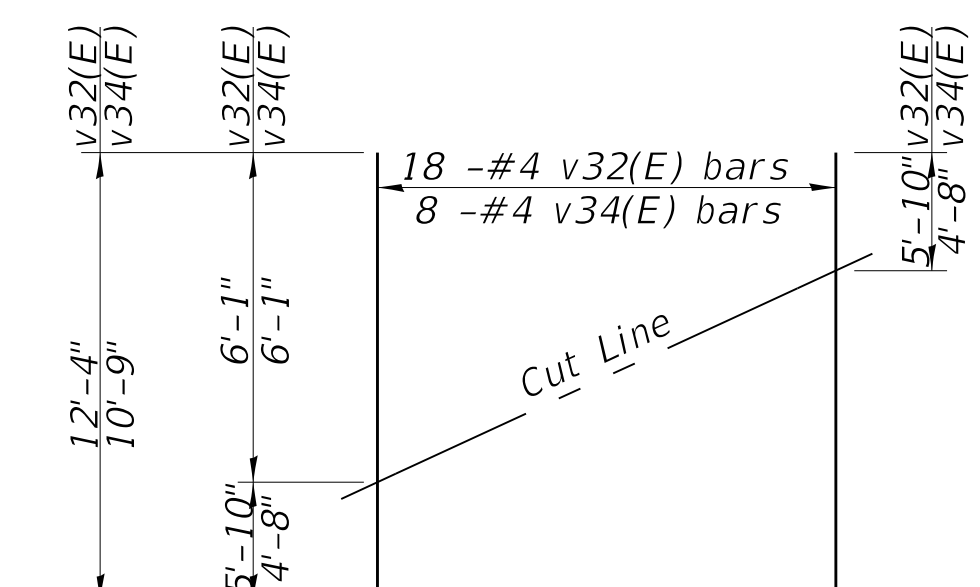
**BAR h34(E)**



**BAR h35(E)**



**BAR d30(E)**



**FIELD CUTTING DIAGRAM**

Order v32(E) and v34(E) full length. Cut as shown and use remainder of bars in opposite face.

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DESIGNED - KEF	EXAMINED	DATE -
CHECKED - DDB	ENGINEER OF BRIDGE DESIGN	
DRAWN - BKR	PASSED	REVISED - \$REVISED1\$
CHECKED - DDB	ENGINEER OF BRIDGES AND STRUCTURES	REVISED - \$REVISED2\$

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

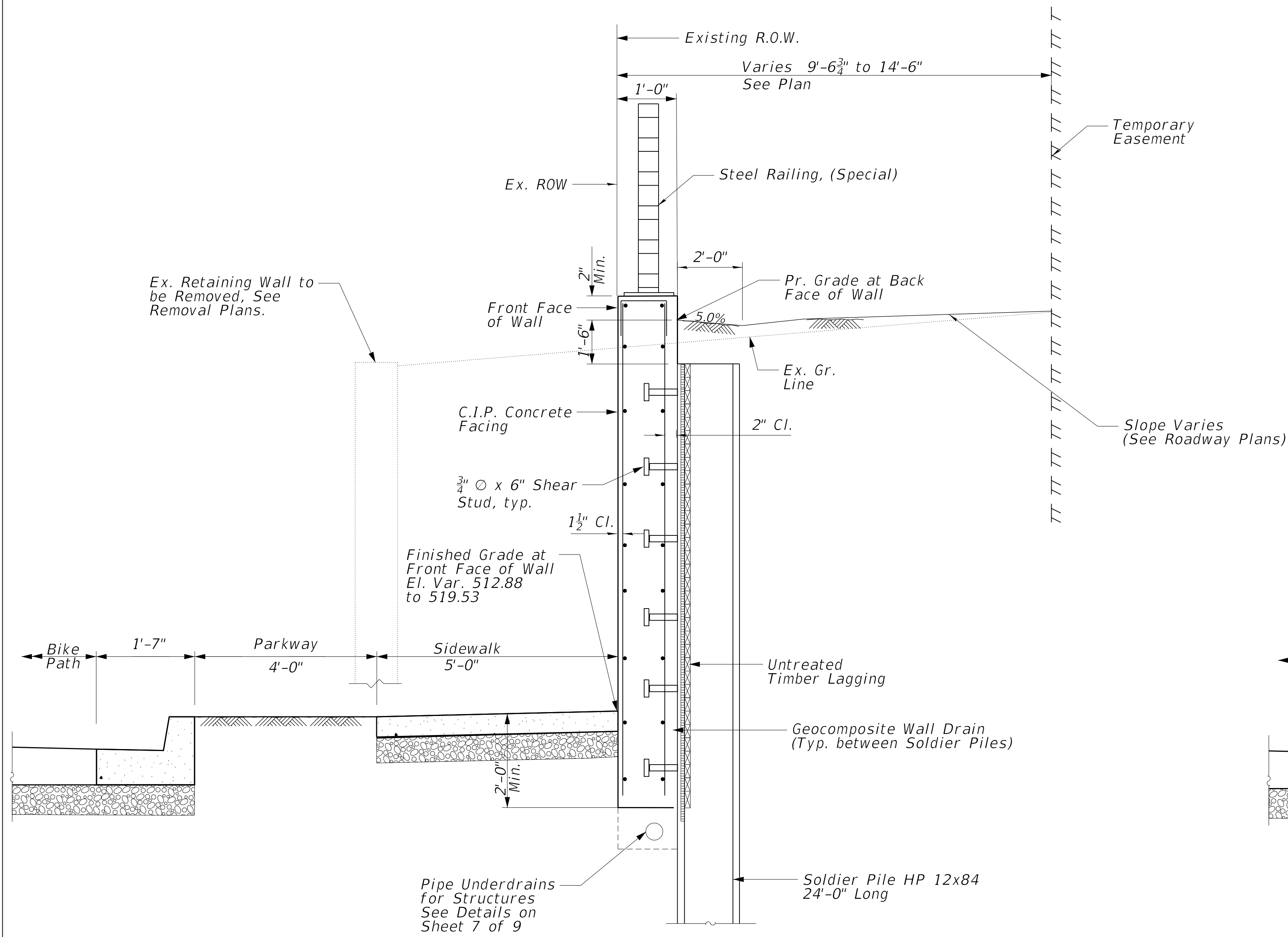
**C.I.P. CONCRETE DETAILS  
 RETAINING WALL L317+20**

SHEET 5 OF 9 SHEETS

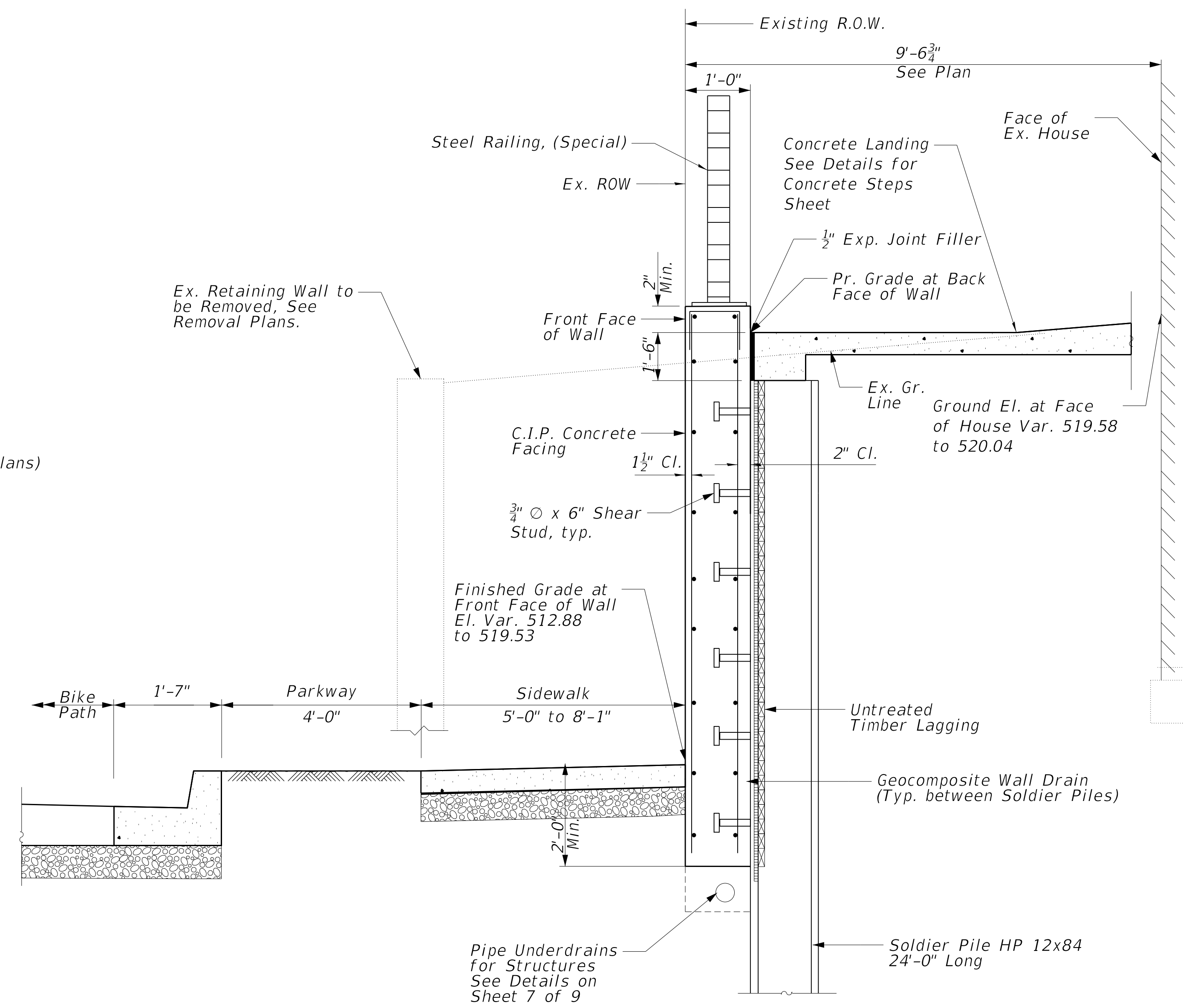
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-00-EG	PEORIA	422	337
CONTRACT NO. 89766				

ILLINOIS FED. AID PROJECT

MODEL: D416187005-SHT-89766-006  
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SECTION A-A THRU RETAINING WALL



SECTION B-B THRU RETAINING WALL

DESIGNED - KEF	EXAMINED	DATE -
CHECKED - DDB	ENGINEER OF BRIDGE DESIGN	
DRAWN - BKR	PASSED	REVISED - \$REVISED1\$
CHECKED - DDB	ENGINEER OF BRIDGES AND STRUCTURES	REVISED - \$REVISED2\$

DESIGNED - KEF	EXAMINED	DATE -
CHECKED - DDB	ENGINEER OF BRIDGE DESIGN	
DRAWN - BKR	PASSED	REVISED - \$REVISED1\$
CHECKED - DDB	ENGINEER OF BRIDGES AND STRUCTURES	REVISED - \$REVISED2\$

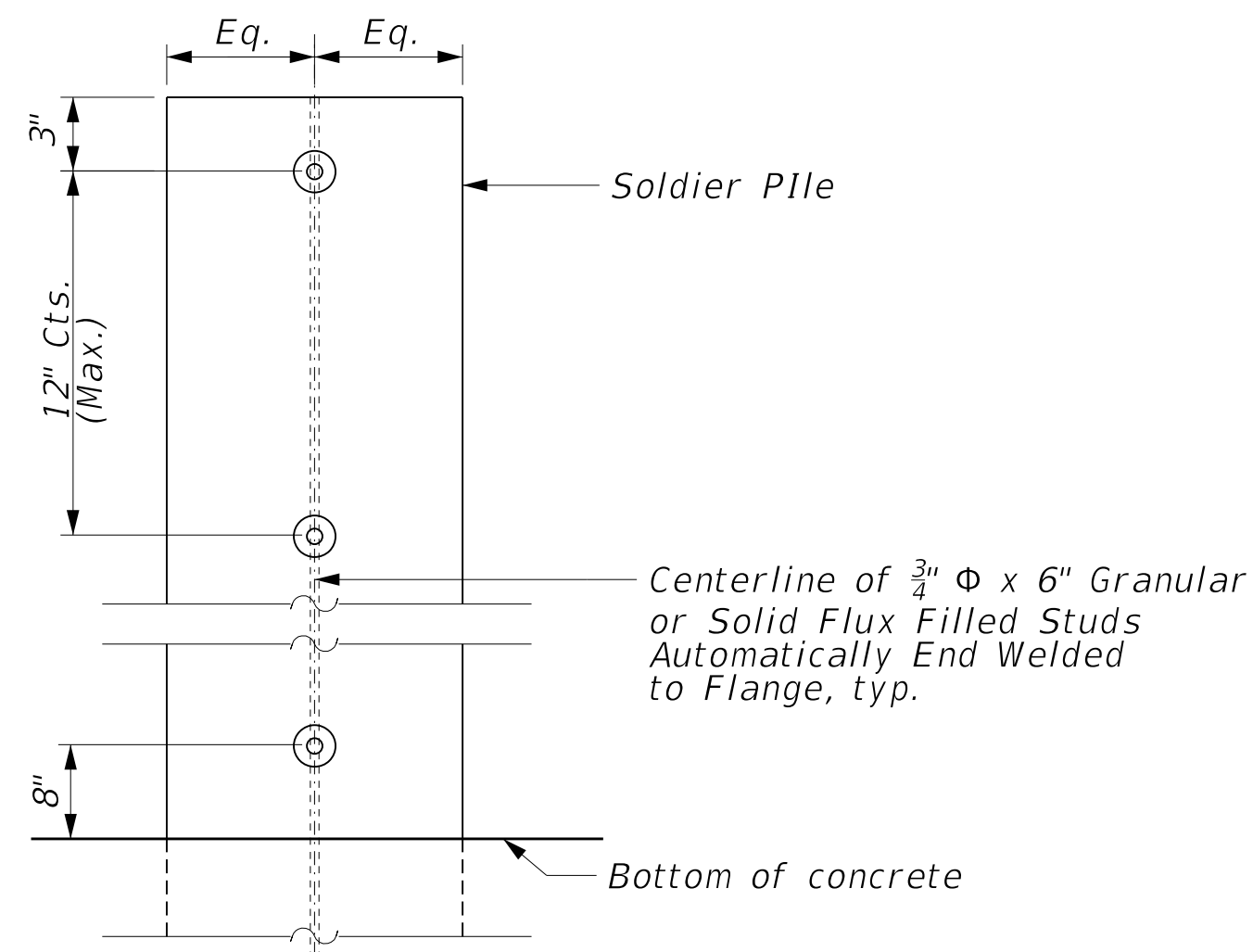
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

RETAINING WALL SECTIONS  
 RETAINING WALL L317+20

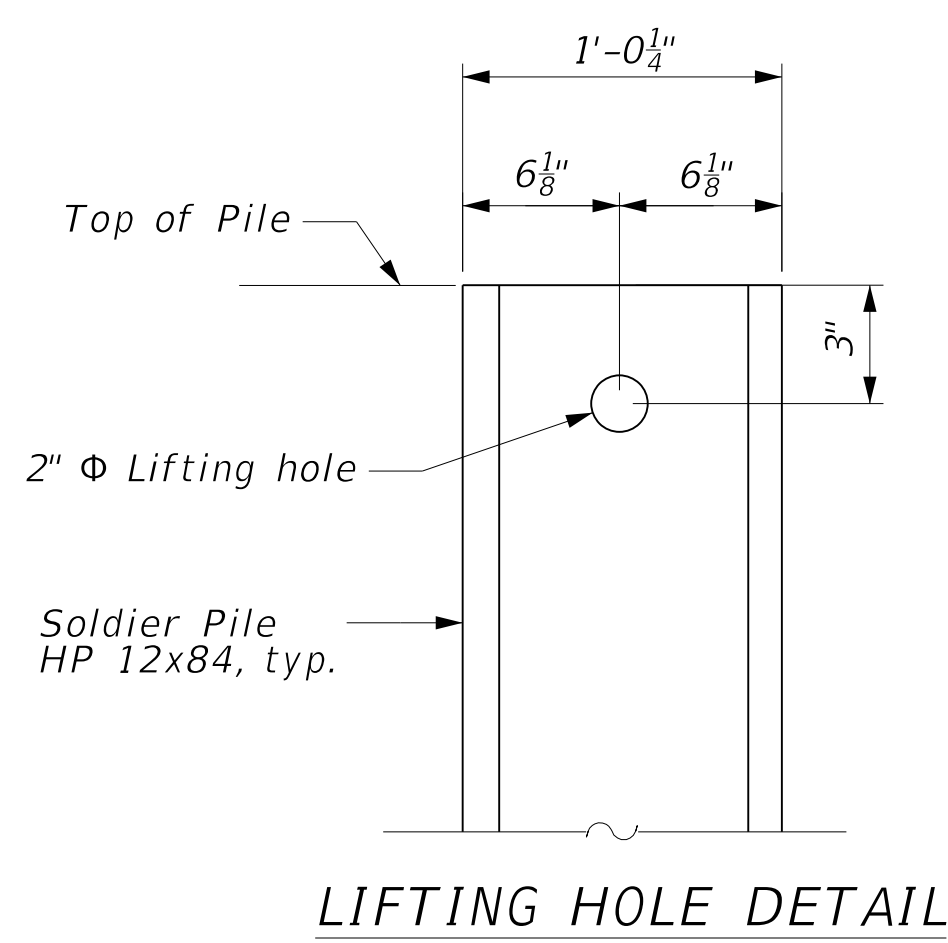
SHEET 6 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-00-EG	PEORIA	422	338
CONTRACT NO. 89766				
ILLINOIS FED. AID PROJECT				

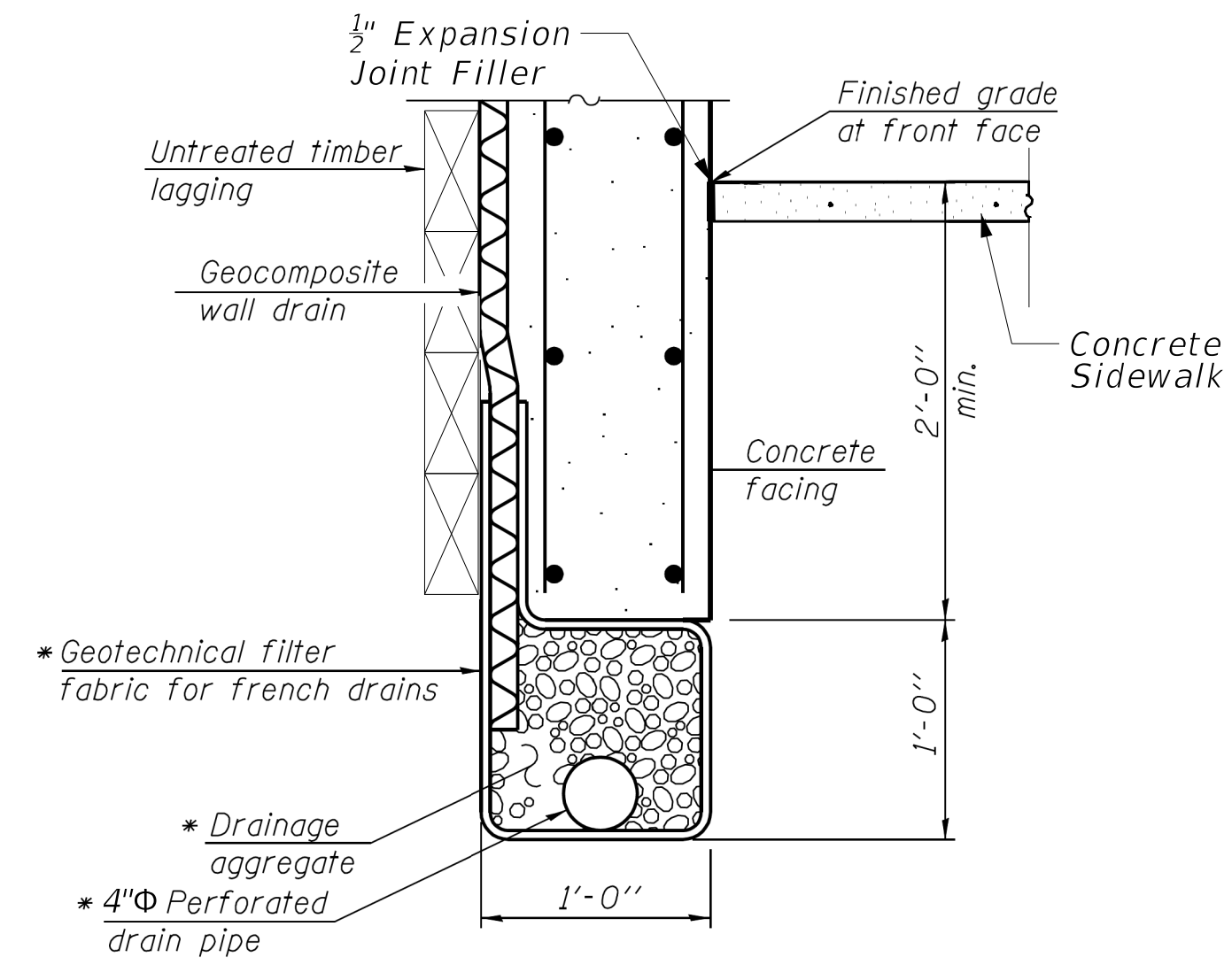
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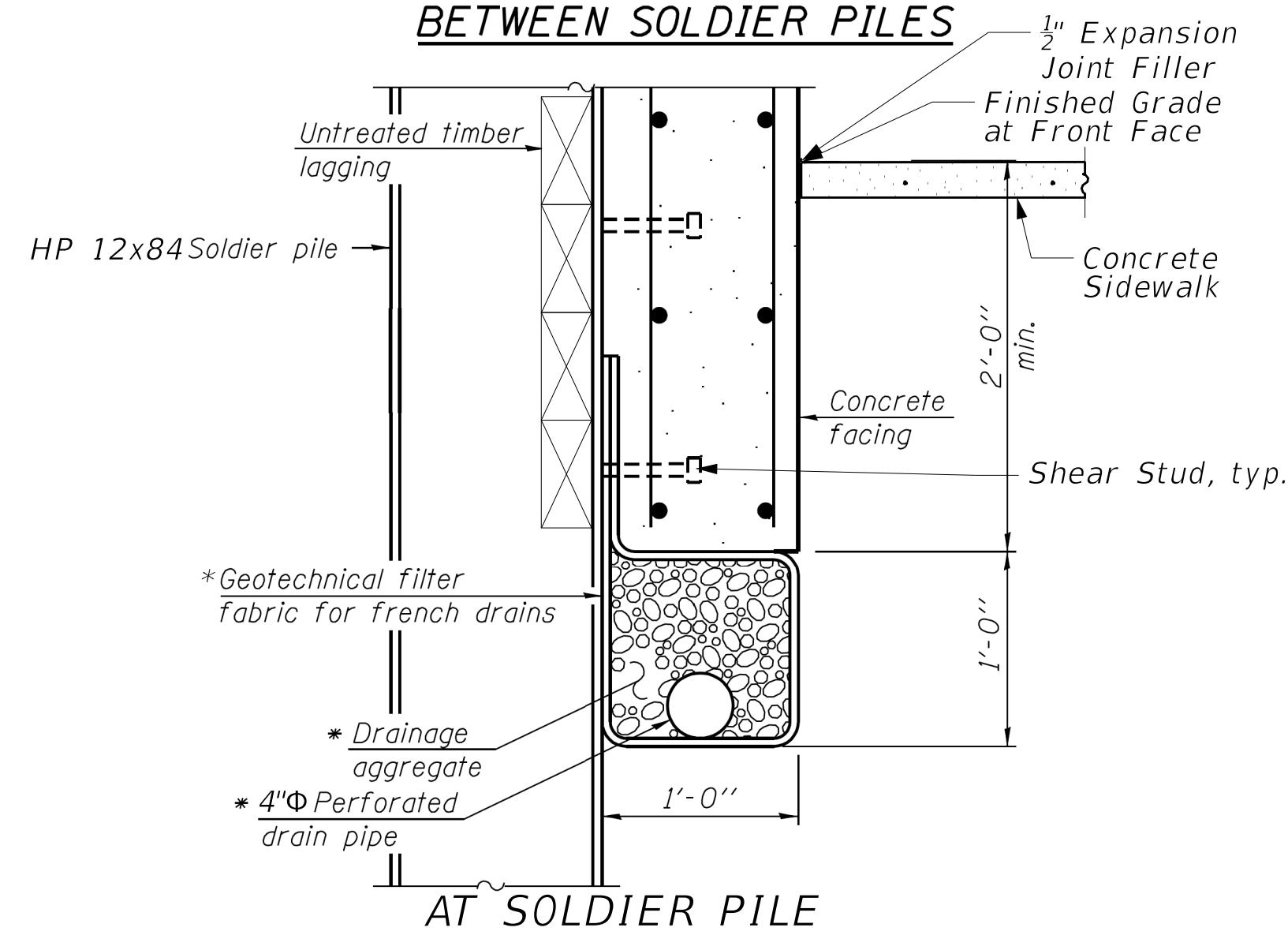
**STUD SHEAR CONNECTOR LAYOUT**



**LIFTING HOLE DETAIL**



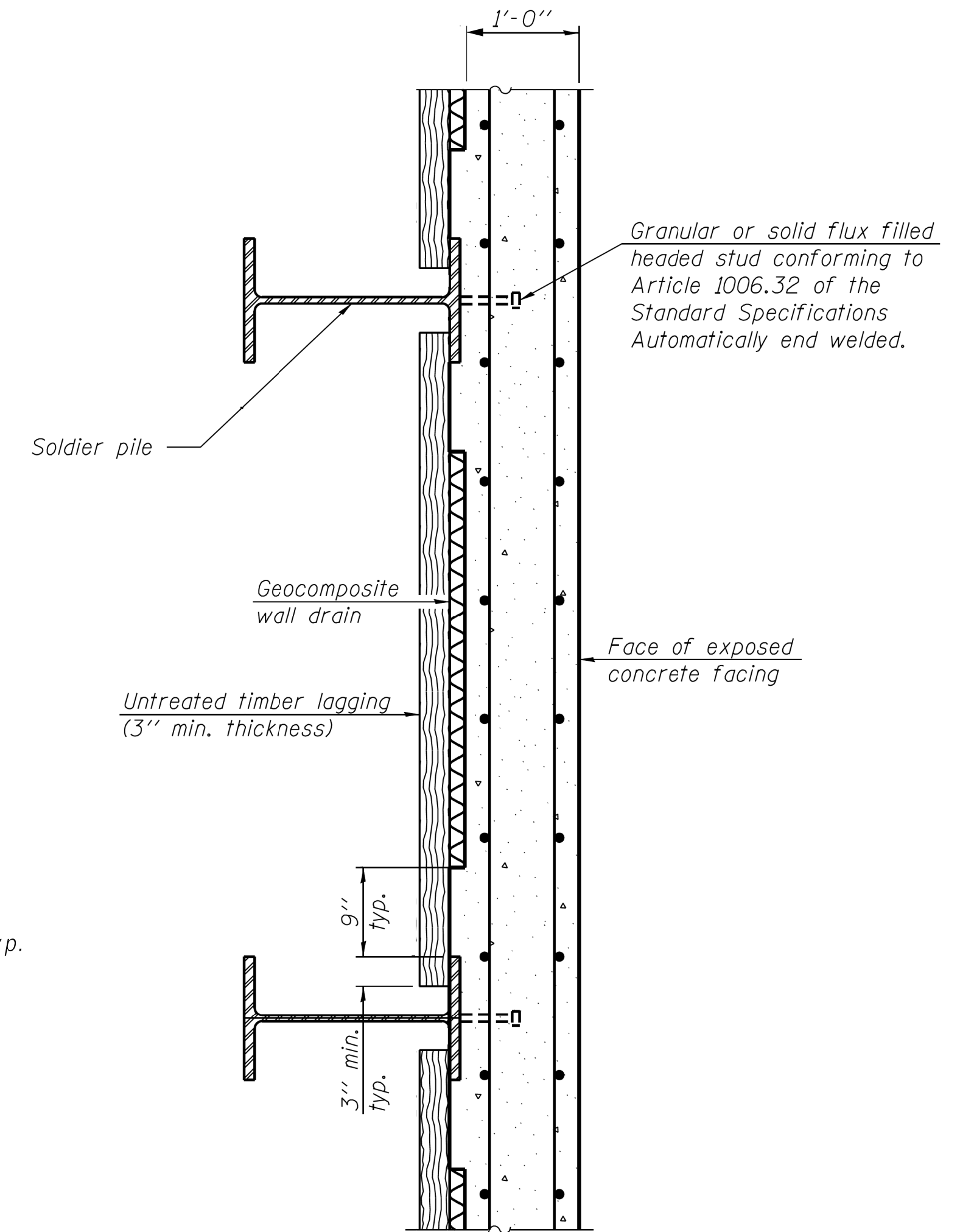
**BETWEEN SOLDIER PILES**



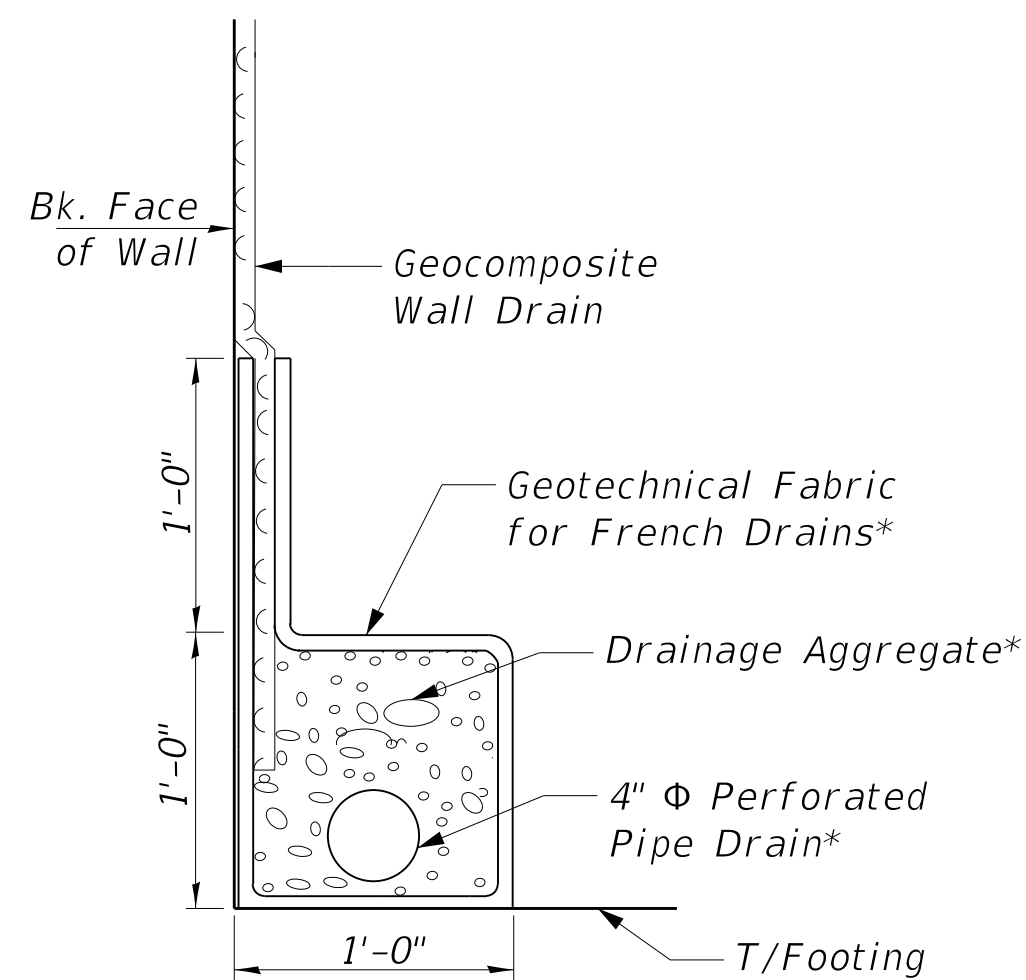
**AT SOLDIER PILE**

**UNDERDRAIN DETAIL FOR SOLDIER PILE WALL**

\*Included in the cost of Pipe Underdrains for Structures.

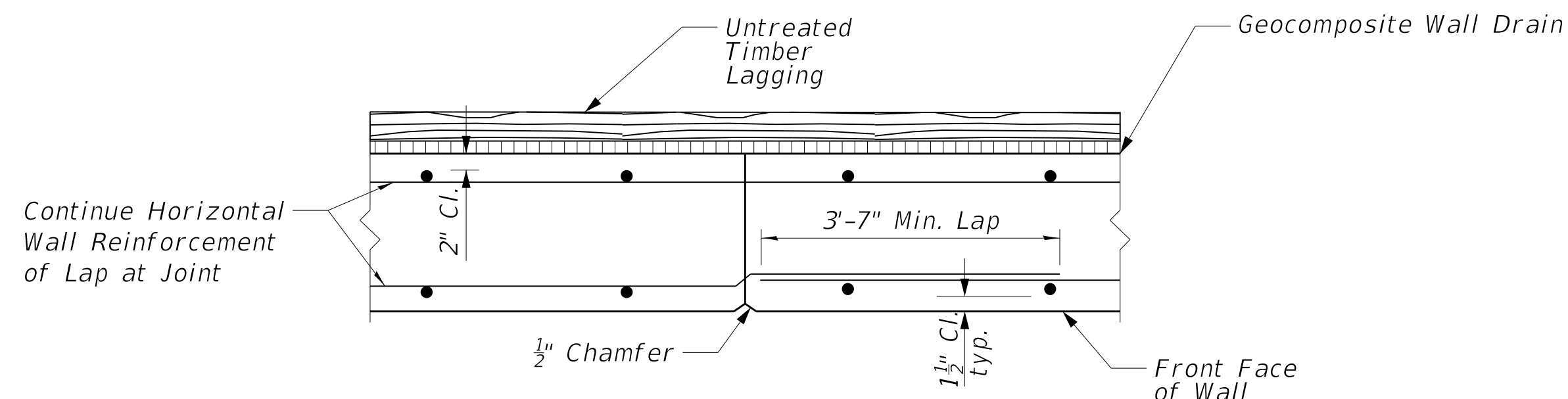


**SECTION THRU SOLDIER PILE WALL**



**PIPE UNDERDRAIN DETAIL**

\* Included in the cost of Pipe Underdrain for Structures



**CONSTRUCTION JOINT DETAIL**

Note:  
Space Construction Joints As-Shown on Elevation.

**NOTES:**

1. The thickness of geocomposite wall drain shall not exceed 1 1/4".
2. Lagging is required in cut sections to retain existing earth up to existing grade line. Quantity given in Bill of Material for Untreated Timber Lagging is to top of pile.
3. The geocomposite wall drain shall be constructed according to Section 591 of the Standard Specifications.
4. Stud shear connectors shall be 3/4" x 6" granular or solid flux filled headed studs, automatically end welded to the front flange of the soldier pile
5. Lagging shall be no less than a 3" nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi, according to Section 1007.03 of the Standard Specifications.

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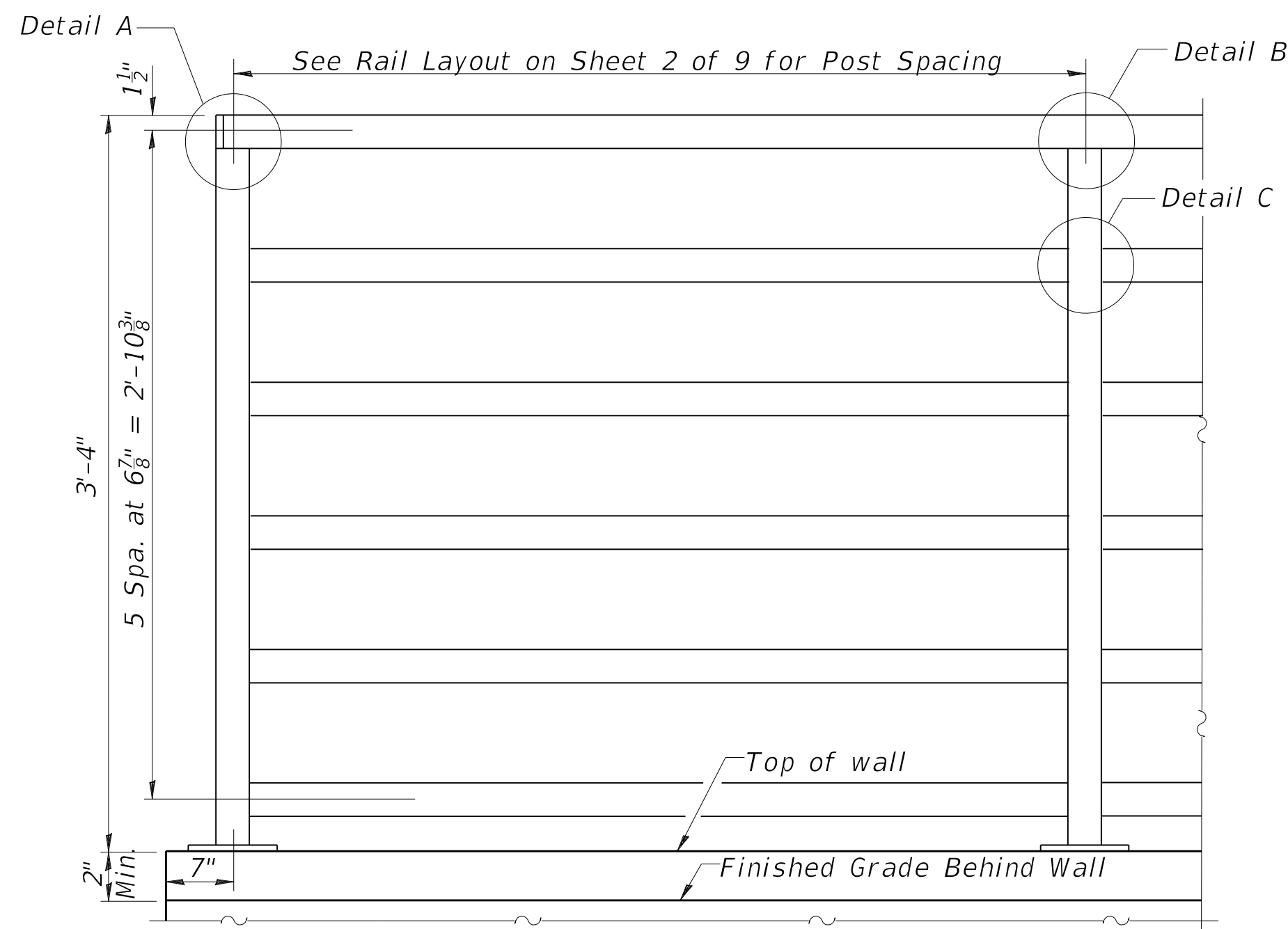
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CHECKED - DDB	ENGINEER OF BRIDGE DESIGN	
DRAWN - BKR	PASSED	REVISED - \$REVISED1\$
CHECKED - DDB	ENGINEER OF BRIDGES AND STRUCTURES	REVISED - \$REVISED2\$

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RETAINING WALL SECTIONS DETAILS  
RETAINING WALL L317+20**

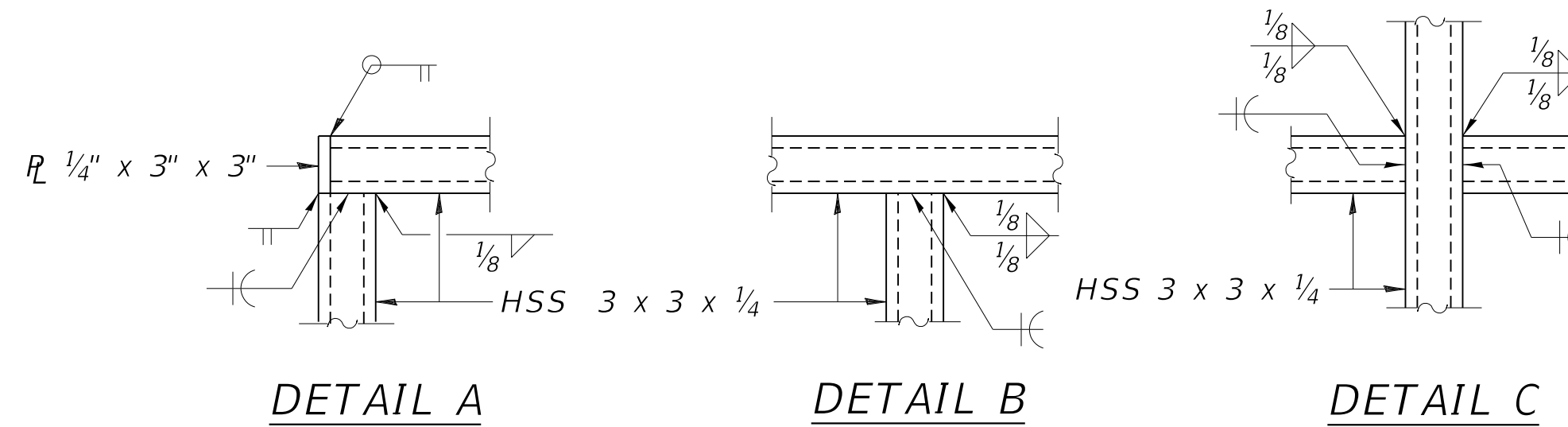
SHEET 7 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-00-EG	PEORIA	422	339
CONTRACT NO. 89766				
ILLINOIS FED. AID PROJECT				



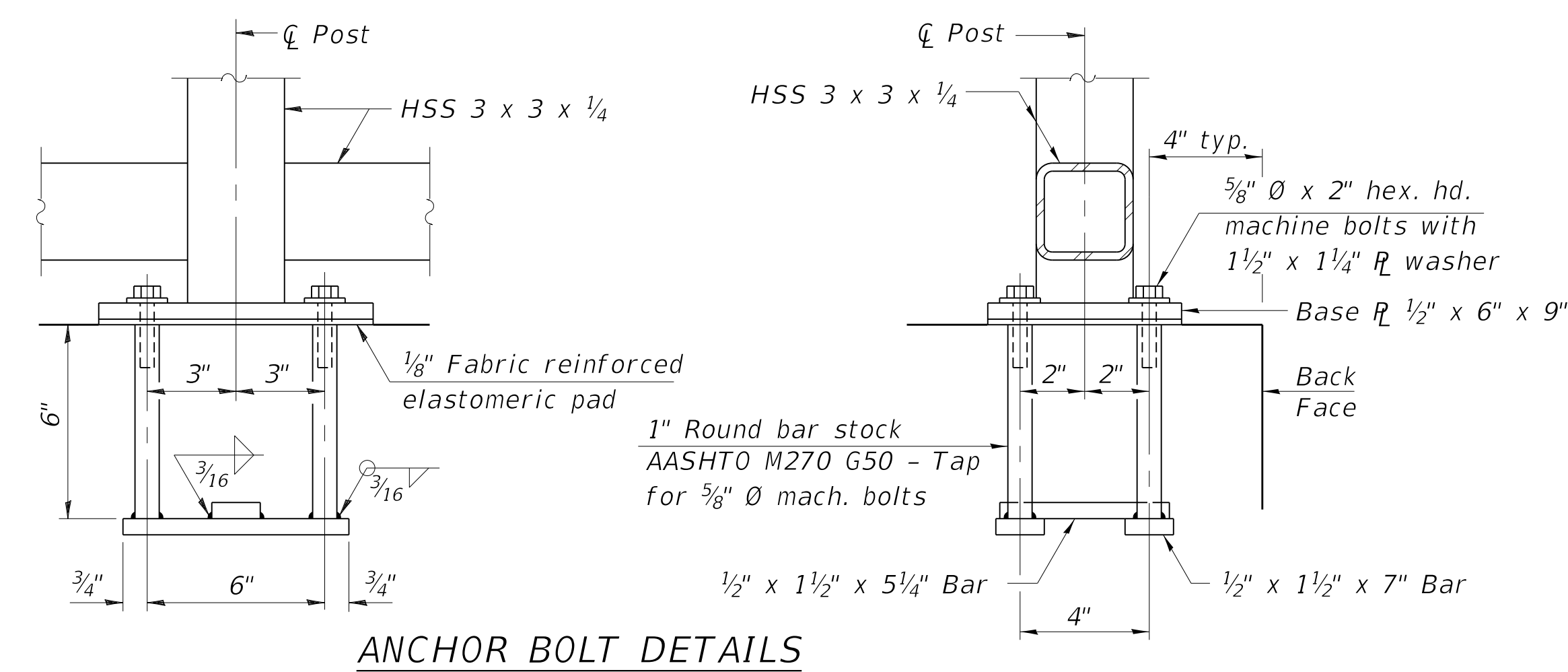
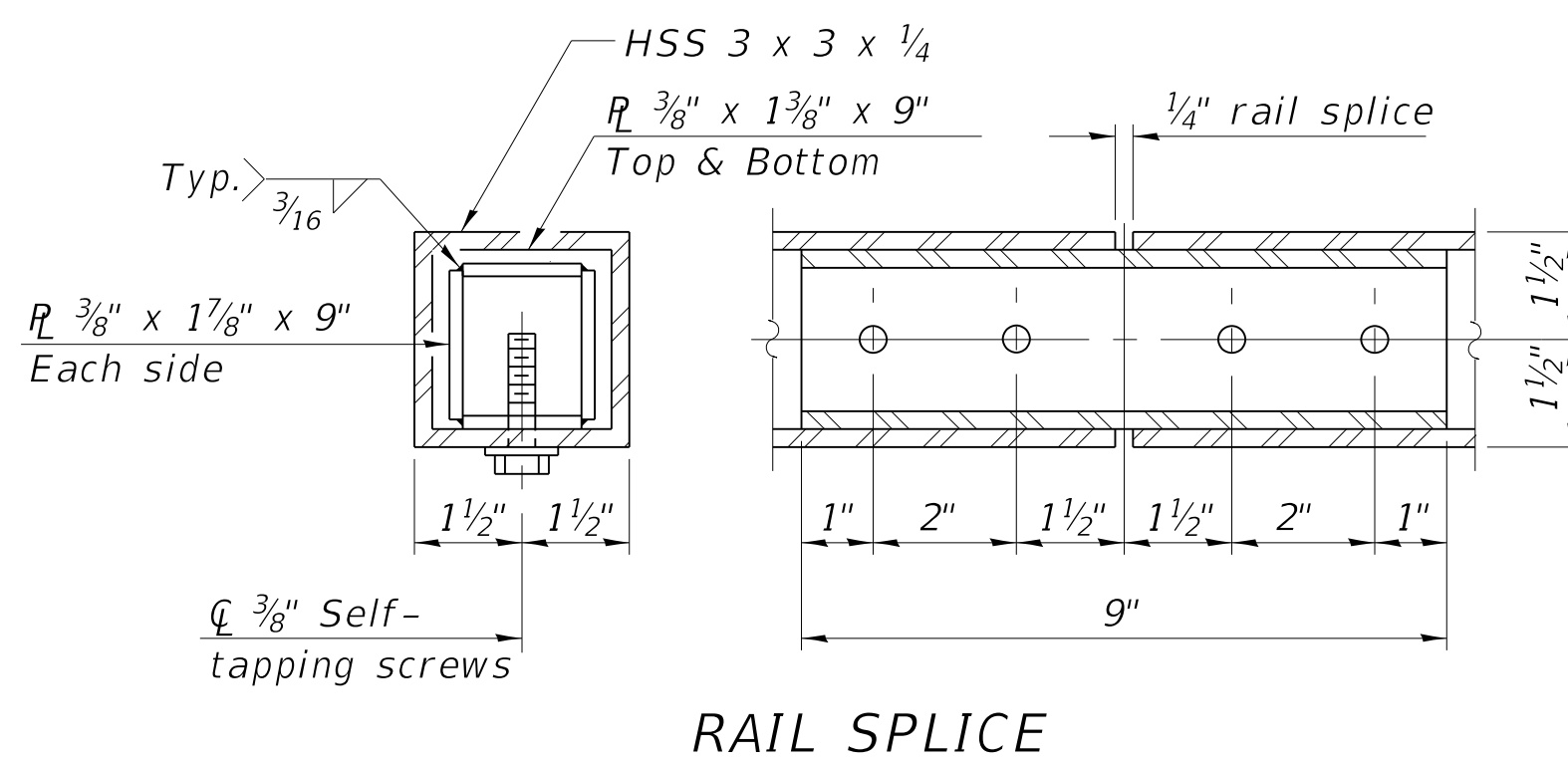
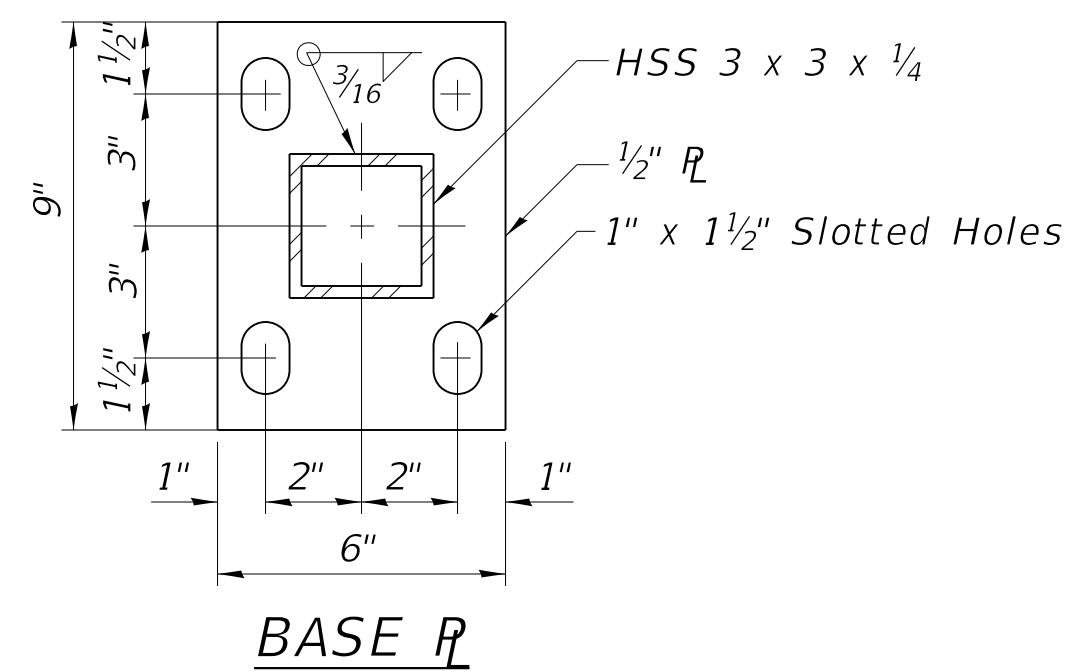
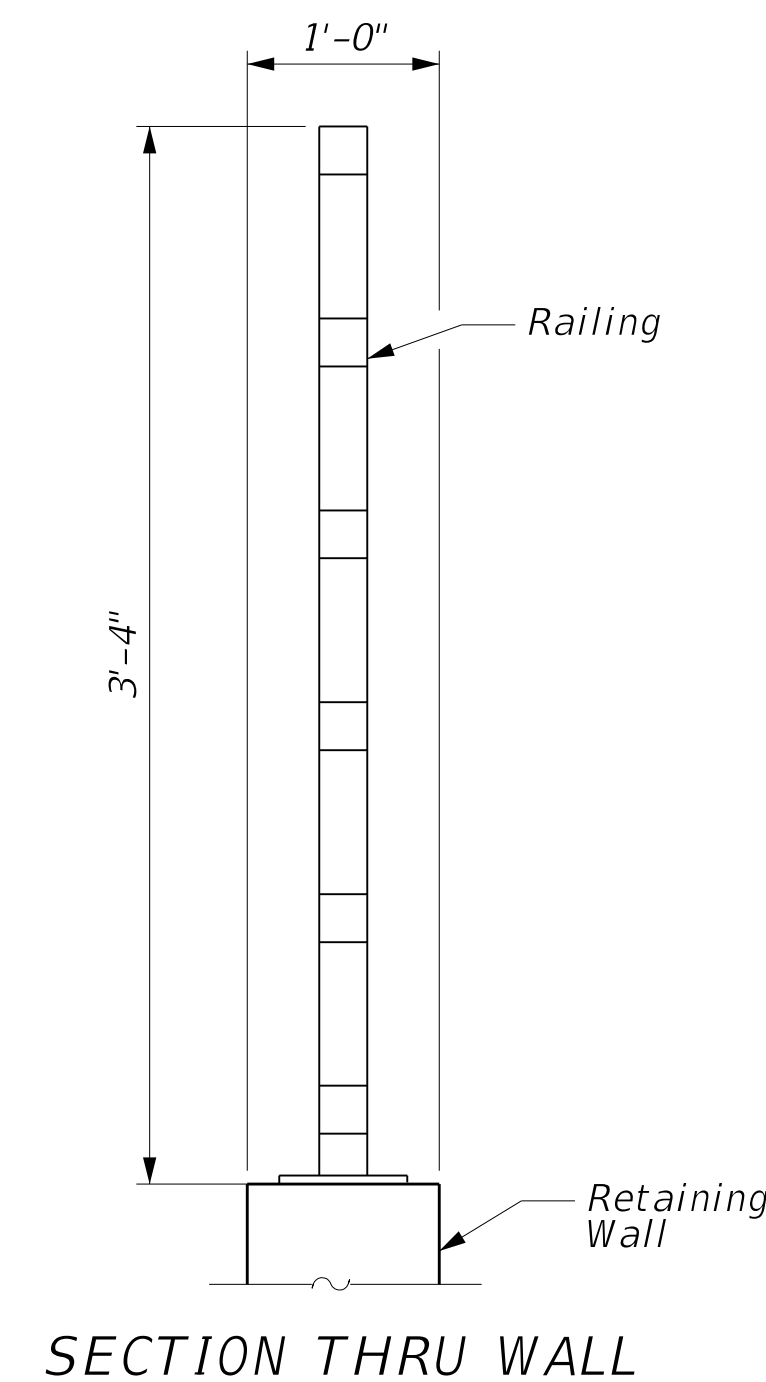
**RAILING**

- Notes:**
- All structural steel tubing post and railing shall be CVN tested according to 1006.34(b) of the Standard Specifications.
  - Ends of handrail shall be either rounded or returned smoothly to floor, wall or post.
  - Hand & safety rails shall not rotate within their fittings.
  - Expansion joints in railing shall match location of expansion joints in walls.
  - The rail fabricator shall be responsible for field verification of all horizontal and vertical retaining wall geometry and joints prior to fabrication of the prescribed rails.



All posts, railing, splices, anchor devices, and plates shall be painted black using the Organic Zinc Rich Primer / Epoxy / Urethane Paint System per the Special Provision for Steel Railing (Special) and Article 509.05 of the Standard Specifications.

Posts shall be fabricated to be plumb when installed on the retaining wall. Bevel the base plate and angle the horizontal rails as necessary to follow the vertical profile of the top of retaining wall.



**BILL OF MATERIAL**

Item	Unit	Quantity
Steel Railing (Special)	Foot	34

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DESIGNED - KEF	EXAMINED	DATE -
CHECKED - DDB	ENGINEER OF BRIDGE DESIGN	
DRAWN - BKR	PASSED	REVISED - \$REVISED1\$
CHECKED - DDB	ENGINEER OF BRIDGES AND STRUCTURES	REVISED - \$REVISED2\$

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**STEEL RAILING, (SPECIAL)  
 RETAINING WALL L317+20**

SHEET 8 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-00-EG	PEORIA	422	340
CONTRACT NO. 89766				

ILLINOIS FED. AID PROJECT

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**DESIGN SPECIFICATIONS**  
2017 AASHTO LRFD Bridge Design  
Specifications, 8th Edition

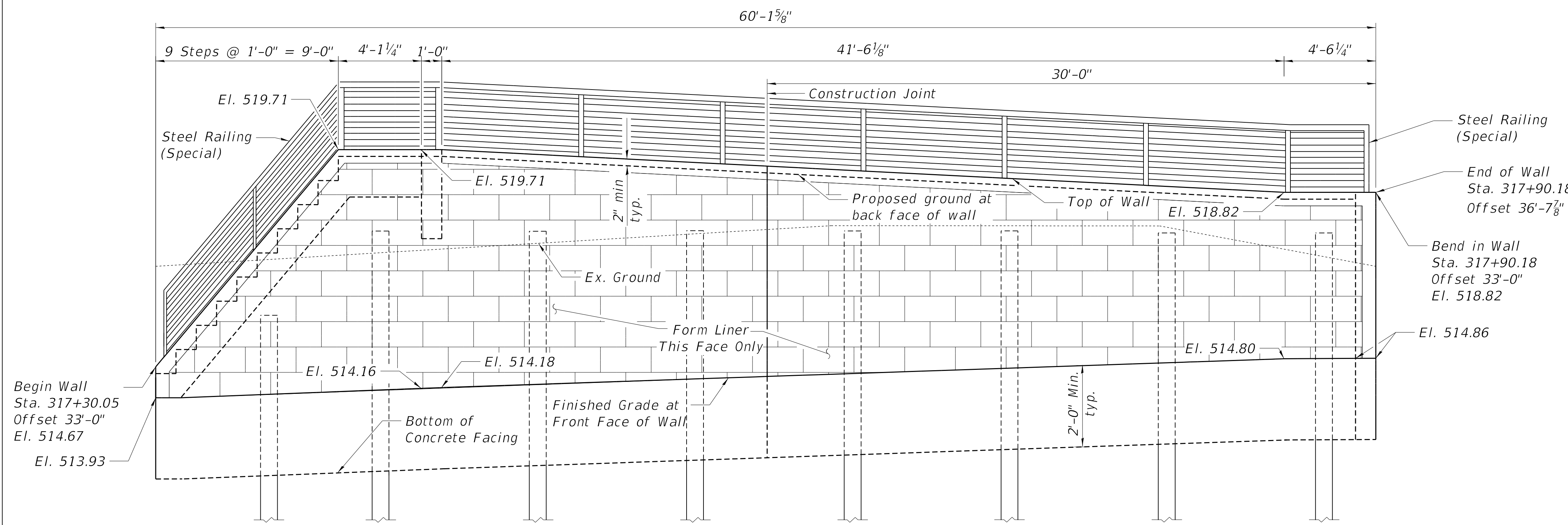
**DESIGN STRESSES**

**FIELD UNITS**  
f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)  
**SOLDIER PILE**  
fy = 50,000 psi (AASHTO M27, Gr. 50)

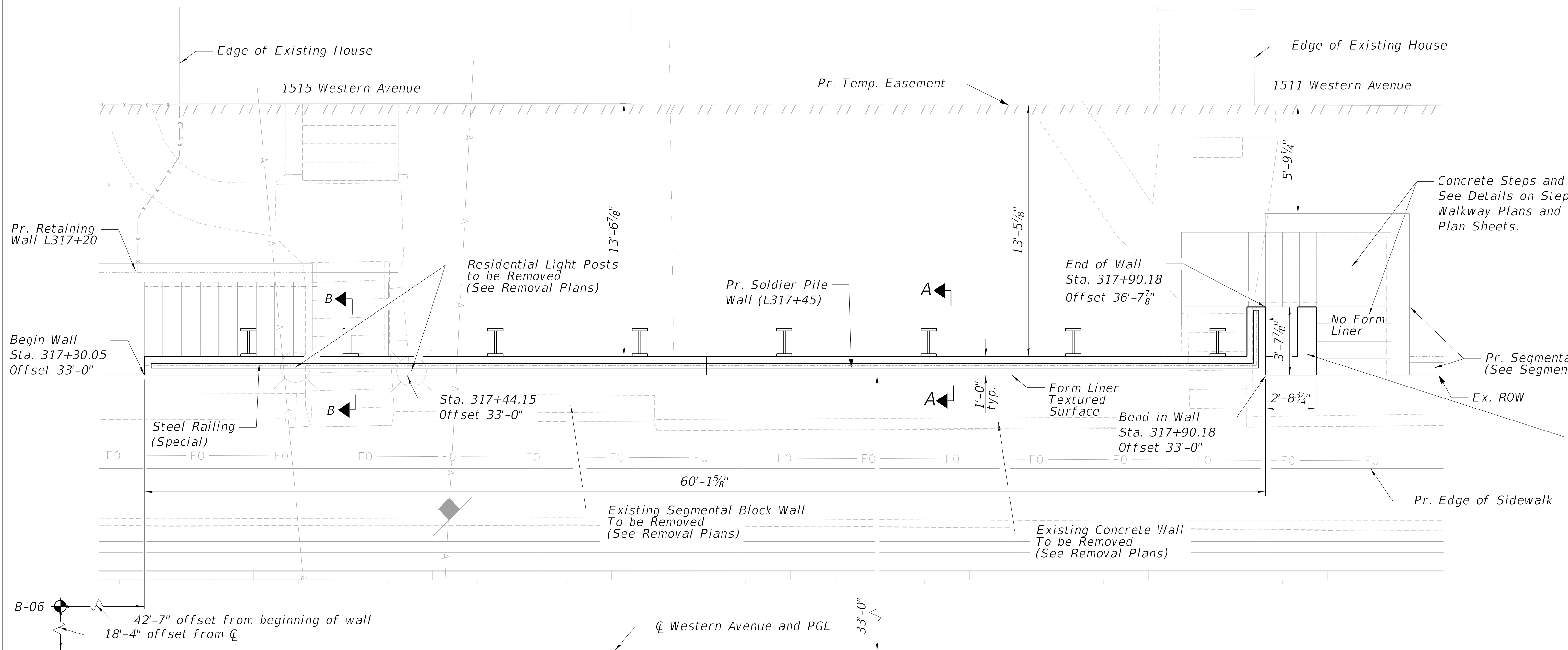
**LEGEND**

- ◆ Soil Boring Location
- W — Exist. Water Main
- - - - - Exist. Sanitary Sewer
- - - - - Exist. Aerial Line
- - - - - Exist. Underground Telephone Line
- T — Existing Storm Sewer Line
- FO — Existing Fiber Optic Line

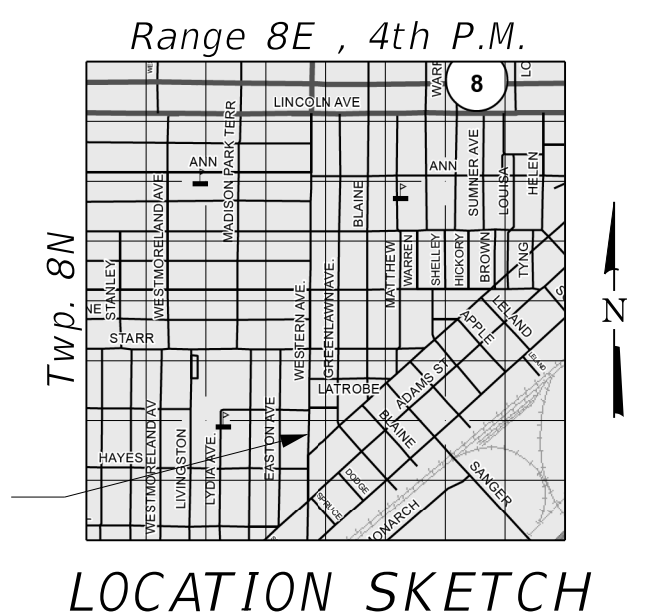
- Notes:
- Offsets are measured from  $\phi$  Western Avenue to front face of wall.
  - See Sheet 5 of 8 for Sections A-A and B-B.



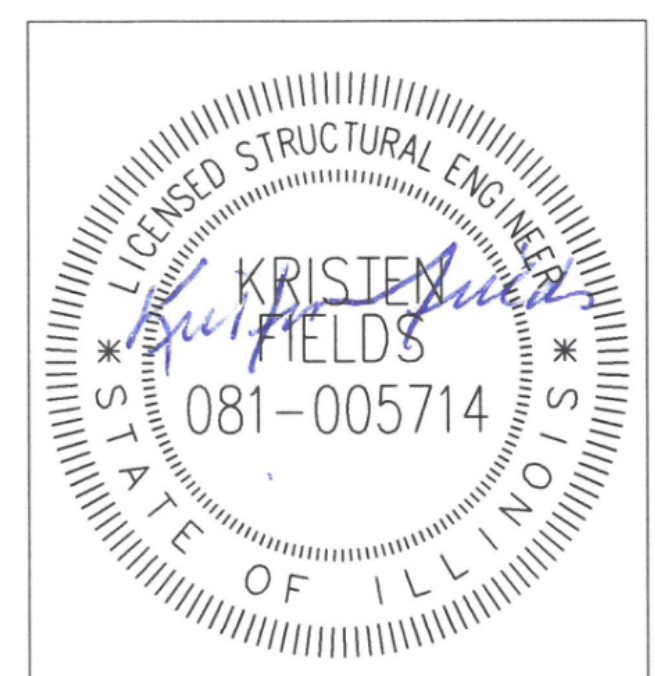
**ELEVATION**



**PLAN**



**LOCATION SKETCH**



DATE SIGNED : 2/21/20  
LIC. EXP. DATE : 11/30/2020

MODEL: D416187005-SHT-89766-001  
FILE NAME: T:\Projects\16-187-005 COP Western Printing\Design\CADD\Structural\16187005-WALL-L317+45.dgn

DESIGNED - KEF	EXAMINED	DATE -
CHECKED - DDB	ENGINEER OF BRIDGE DESIGN	
DRAWN - BKR	PASSED	REVISD - \$REVISED1\$
CHECKED - DDB	ENGINEER OF BRIDGES AND STRUCTURES	REVISD - \$REVISED2\$

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION**  
**RETAINING WALL L317+45**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-00-EG	PEORIA	422	342

SHEET 1 OF 8 SHEETS

CONTRACT NO. 89766

ILLINOIS FED. AID PROJECT

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**GENERAL NOTES:**

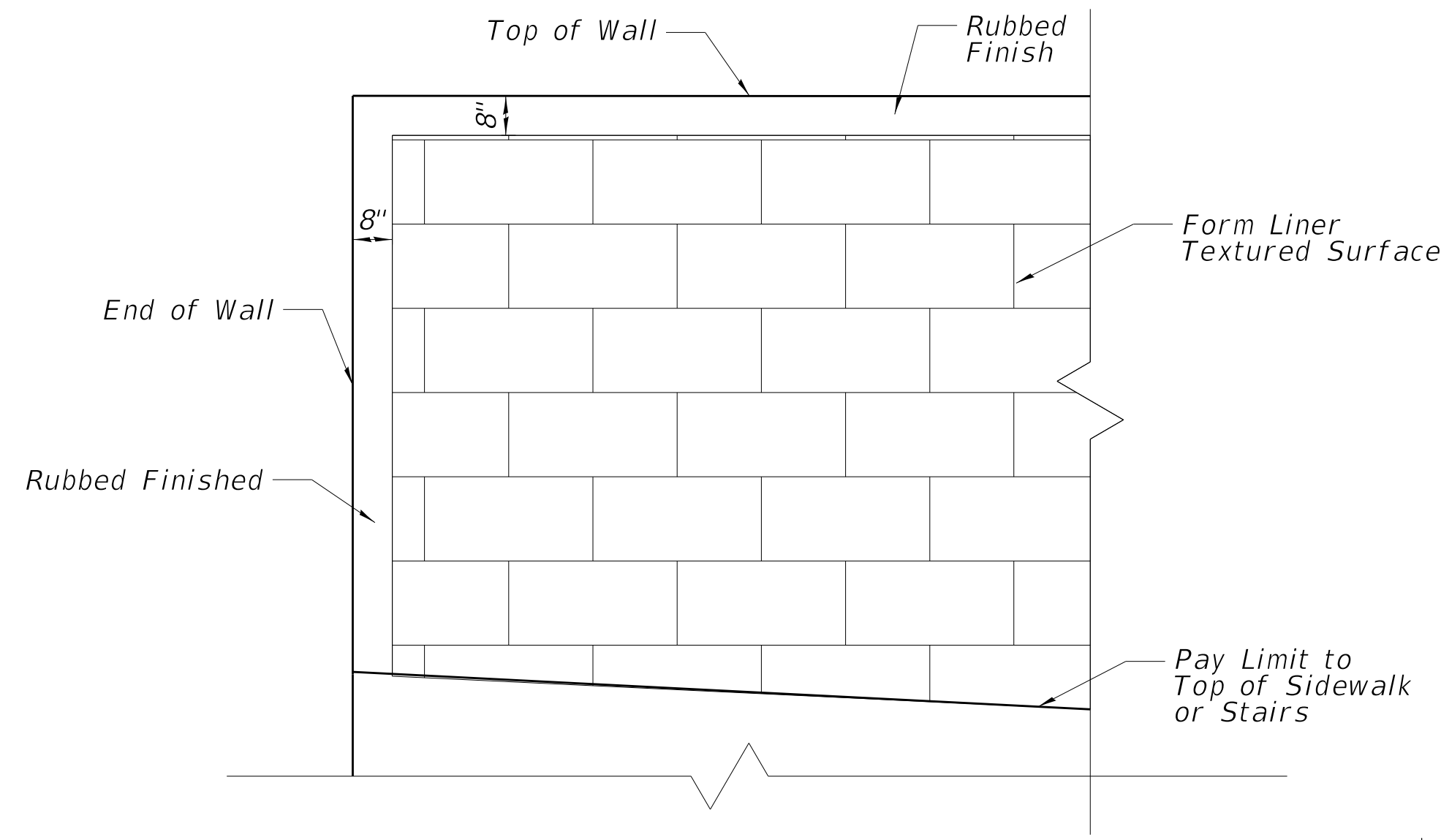
1. Reinforcement bars designated (E) shall be epoxy coated.
2. All exposed edges of the cast in place concrete wall shall be chamfered  $\frac{3}{4}$ ".
3. All construction joints shall be bonded.
4. No field welding is permitted except as specified in the contract documents.
5. Contractor shall determine the most appropriate method of installation of the soldier piles in an effort to avoid potential damage to adjacent structures. The provisions in Art. 522 of the Standard Specifications apply with the exception of 522.08(b)(2) where only a vibratory hammer will be allowed to install the soldier piles.
6. See Roadway Plans for any earthwork that may be required adjacent to the retaining wall.
7. See Removal Plans for removal of any existing retaining walls.
8. Contractor shall exercise care during all construction activities and shall utilize appropriate methods of construction to protect property and structures near the proposed construction limits from damage due to demolition and construction activities.
9. The Form Liner Textured Surface shall be Dayton Superior 8"x16" Rock Face Block. If forms are re-used, they shall be cleaned to the satisfaction of the Engineer prior to re-use.
10. All exposed concrete that is not Form Lined Textured Surface shall have a Rubbed Finish.
11. 1/2" PJF shall be placed between concrete facing and existing and proposed walls, sidewalks and steps. Incidental to Concrete Structures.

**INDEX OF SHEETS**

- 1 General Plan and Elevation
- 2 General Notes and Total Bill of Material
- 3 Wall Plan and Elevation
- 4 C.I.P. Concrete Facing
- 5 Retaining Wall Sections
- 6 Retaining Wall Details
- 7 Steel Railing (Special)
- 8 Soil Boring Logs

**SEQUENCE OF CONSTRUCTION**

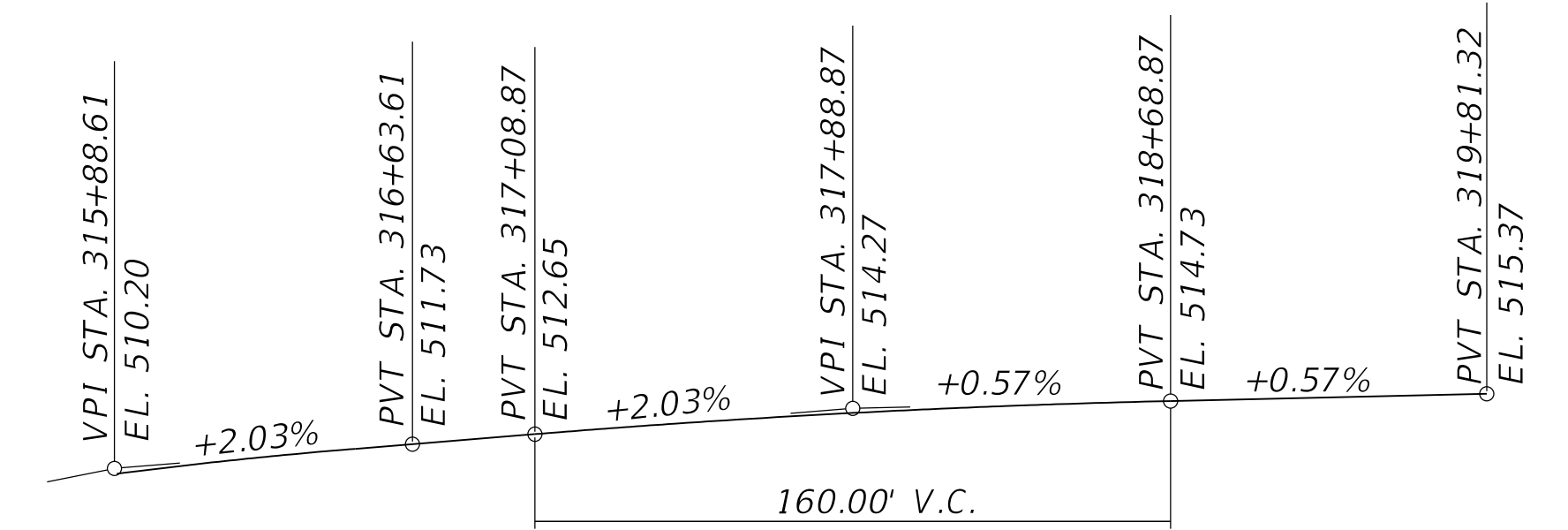
- 1.) Relocate existing utilities to remain where there is interference.
- 2.) Set and install Soldier Piles to the elevation shown on the plans.
- 3.) Excavation in front of the wall shall proceed to the bottom of the facing by installing timber lagging downward.
- 4.) Once excavation is completed the cast in place facing shall be installed.
- 5.) Once the Facing has attained adequate strength, embankment shall be installed behind the wall.



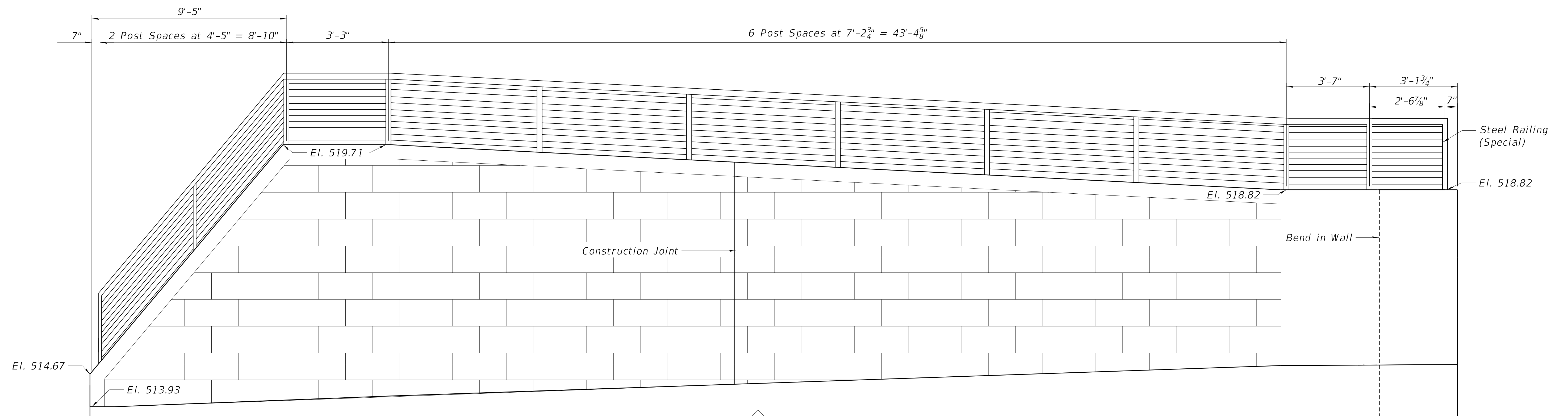
**TYPICAL FORM LINER TEXTURED SURFACE**

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Structure Excavation	Cu Yd	54
Concrete Structures	Cu Yd	15.2
Rubbed Finish	Sq Ft	125
Form Liner Textured Surface	Sq Ft	230
Stud Shear Connectors	Each	31
Reinforcement Bars, Epoxy Coated	Pound	1,990
Furnishing Soldier Piles (HP Section)	Foot	192
Driving Soldier Piles	Foot	192
Untreated Timber Lagging	Sq Ft	251
Segmental Concrete Block Wall	Sq Ft	31
Geocomposite Wall Drain	Sq Yd	22
Pipe Underdrains for Structures, 4"	Foot	64
Steel Railing (Special)	Foot	64



**PROFILE GRADE - WESTERN AVE**



**UNFOLDED ELEVATION OF WALL - RAIL POST LAYOUT**

Note: Dimensions shown are along center of C.I.P. concrete wall and center of rail posts.

MODEL: D416187005-SHT-89766-002  
FILE NAME: T:\Projects\16-187-005 COP Western Printing\Design\CADD\Structural\1317-45\16187005-WALL-L317+45.dgn

DESIGNED - KEF	EXAMINED	DATE -
CHECKED - DDB	ENGINEER OF BRIDGE DESIGN	
DRAWN - BKR	PASSED	REVISD - \$REVISED1\$
CHECKED - DDB	ENGINEER OF BRIDGES AND STRUCTURES	REVISD - \$REVISED2\$

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

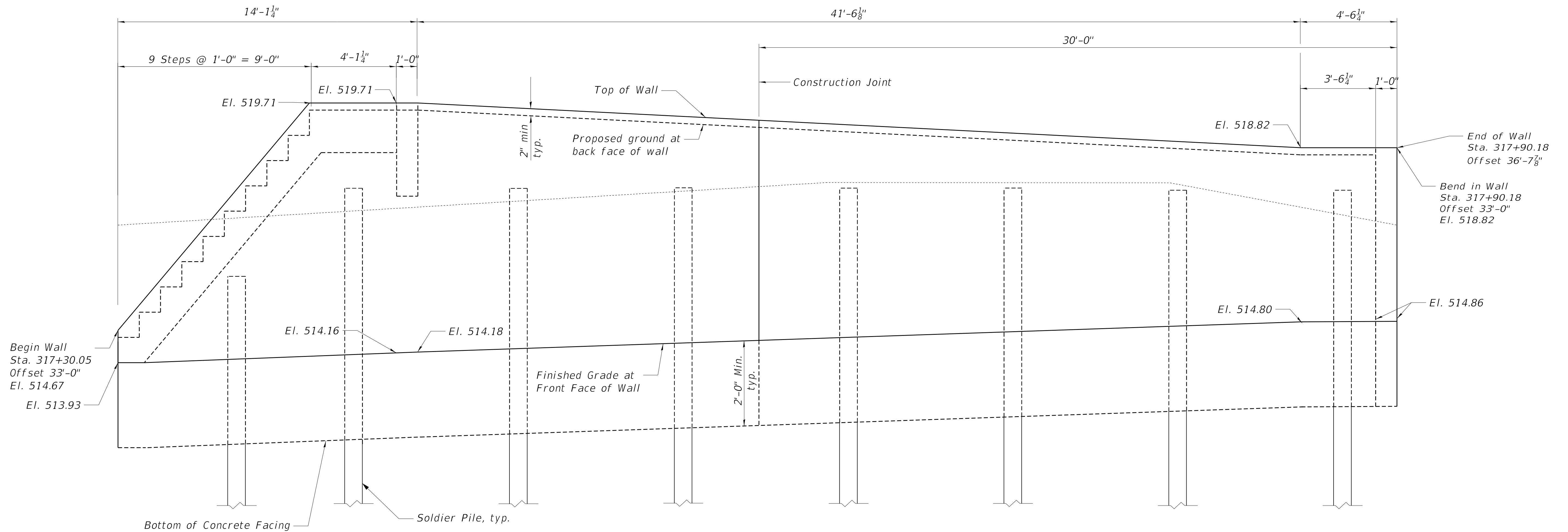
**GENERAL NOTES AND TOTAL BILL OF MATERIAL  
RETAINING WALL L317+45**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-00-EG	PEORIA	422	343
CONTRACT NO. 89766				

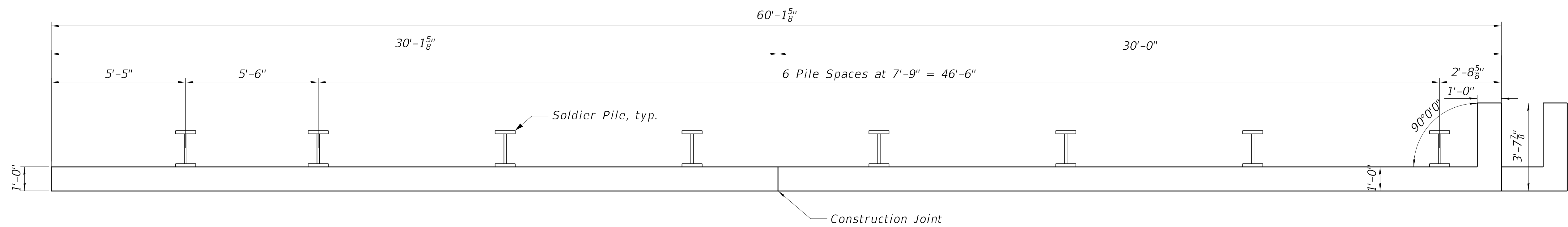
SHEET 2 OF 8 SHEETS

ILLINOIS FED. AID PROJECT

2/24/2020 12:06:17 PM



ELEVATION OF RETAINING WALL L317+45



PLAN OF RETAINING WALL L317+45

Notes:  
1. Offsets are measured from  $\bar{c}$  Western Avenue to the front face of the wall.

MODEL: D416187005-SHT-89766-003  
FILE NAME: T:\Projects\16-187-005 COP Western Printing\Design\CADD\Structural\1317-45\16187005-WALL-L317+45.dgn

DESIGNED - KEF	EXAMINED	DATE -
CHECKED - DDB	ENGINEER OF BRIDGE DESIGN	
DRAWN - BKR	PASSED	REVISED - \$REVISED1\$
CHECKED - DDB	ENGINEER OF BRIDGES AND STRUCTURES	REVISED - \$REVISED2\$

DESIGNED - KEF	EXAMINED	DATE -
CHECKED - DDB	ENGINEER OF BRIDGE DESIGN	
DRAWN - BKR	PASSED	REVISED - \$REVISED1\$
CHECKED - DDB	ENGINEER OF BRIDGES AND STRUCTURES	REVISED - \$REVISED2\$

DESIGNED - KEF	EXAMINED	DATE -
CHECKED - DDB	ENGINEER OF BRIDGE DESIGN	
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CHECKED - DDB	ENGINEER OF BRIDGES AND STRUCTURES	REVISED - \$REVISED2\$

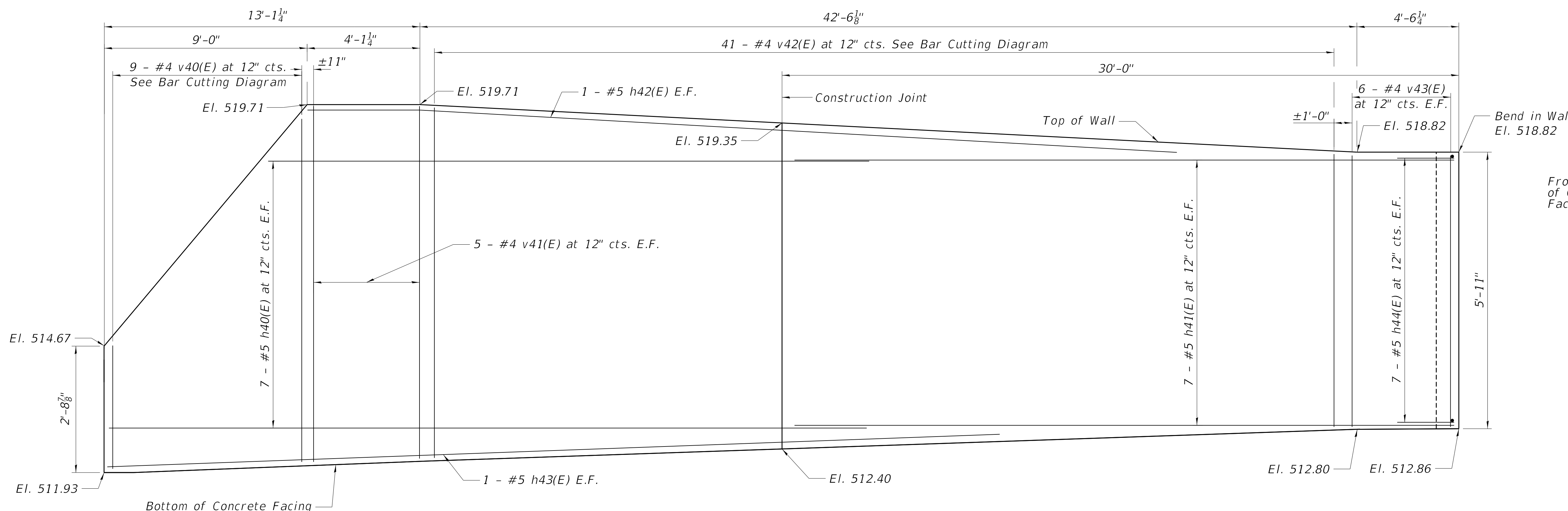
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WALL PLAN AND ELEVATION  
RETAINING WALL L317+45

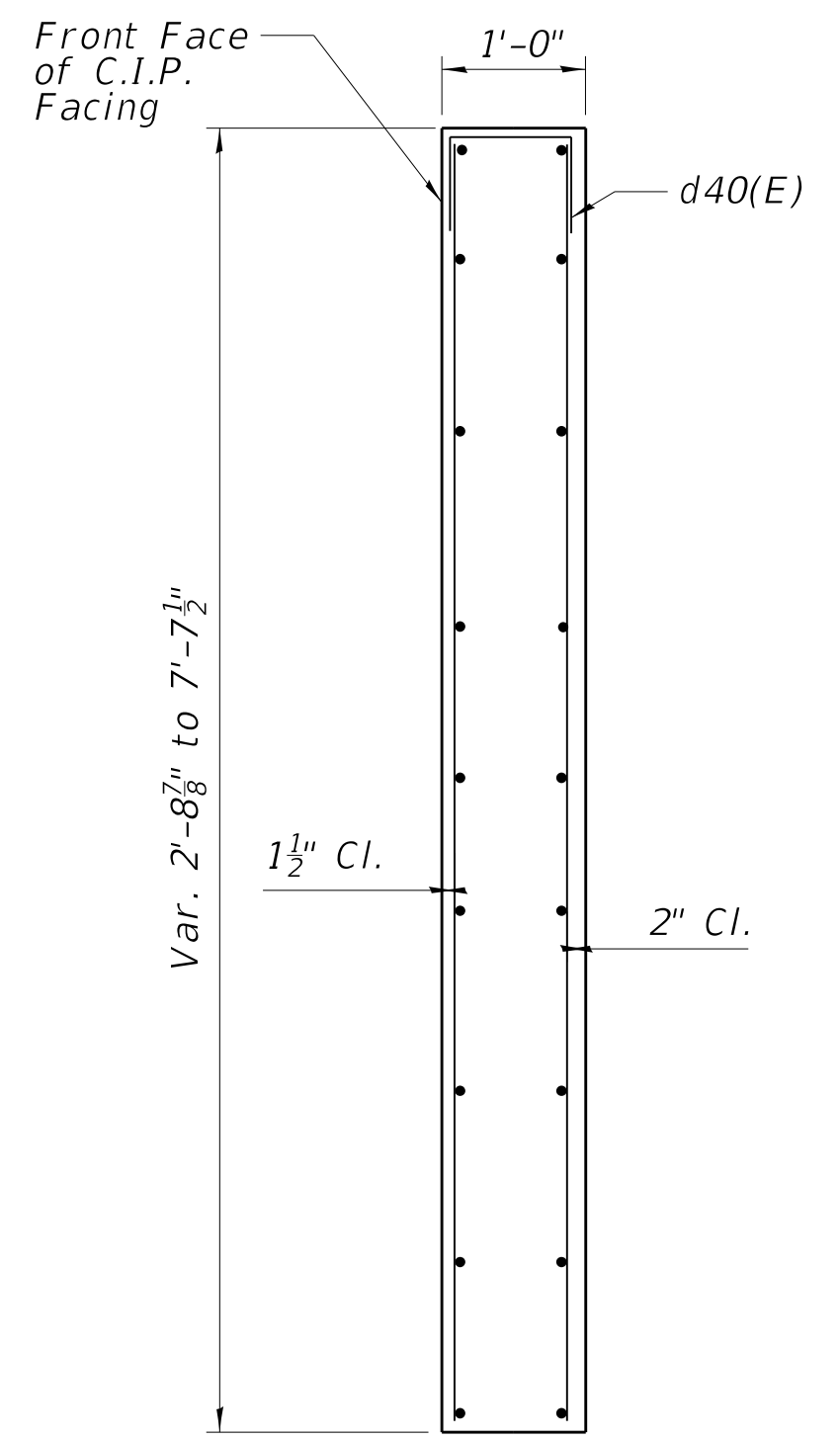
SHEET 3 OF 8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 89766				
ILLINOIS FED. AID PROJECT				

2/24/2020 12:06:19 PM

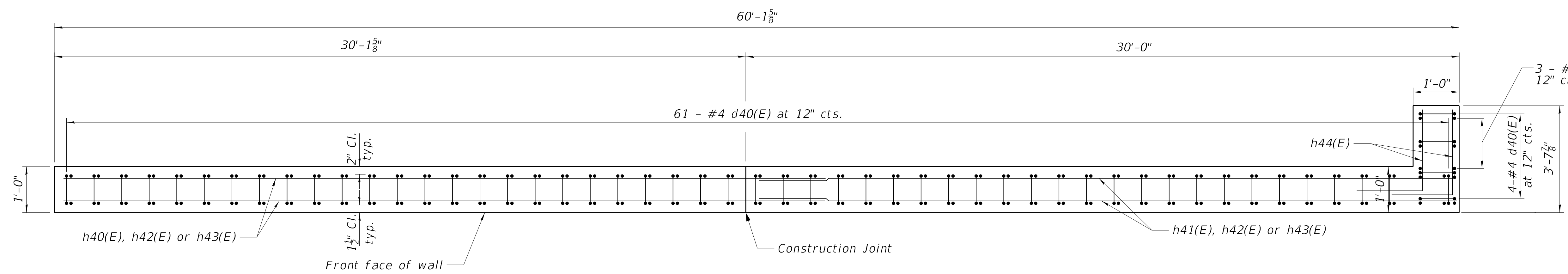


ELEVATION OF C.I.P. CONCRETE FACING



SECTION THRU C.I.P. CONCRETE FACING

MIN. BAR LAPS  
 #4 BAR 2'-11"  
 #5 BAR 3'-7"



PLAN OF C.I.P. CONCRETE FACING

Notes:  
 See Sheet 5 of 8 for bar details  
 and Bill of Material

MODEL: D416187005-SHT-89766-004  
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DESIGNED - KEF	EXAMINED	DATE -
CHECKED - DDB	ENGINEER OF BRIDGE DESIGN	
DRAWN - BKR	PASSED	REVISED - \$REVISED1\$
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

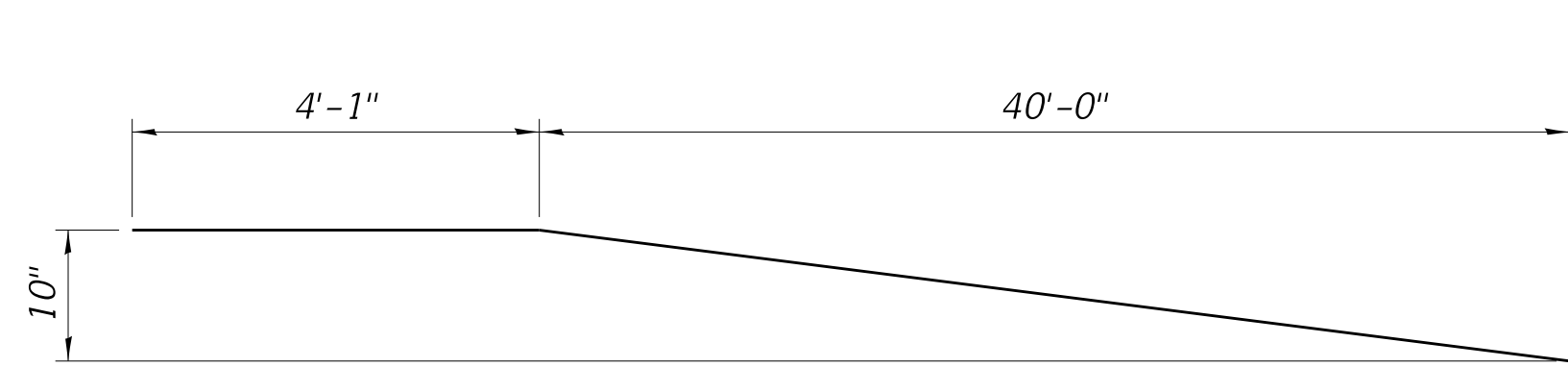
C.I.P. CONCRETE FACING  
 RETAINING WALL L317+45

SHEET 4 OF 8 SHEETS

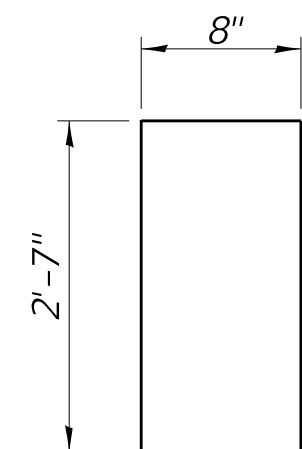
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CONTRACT NO. 89766				

ILLINOIS FED. AID PROJECT

2/24/2020 12:06:22 PM



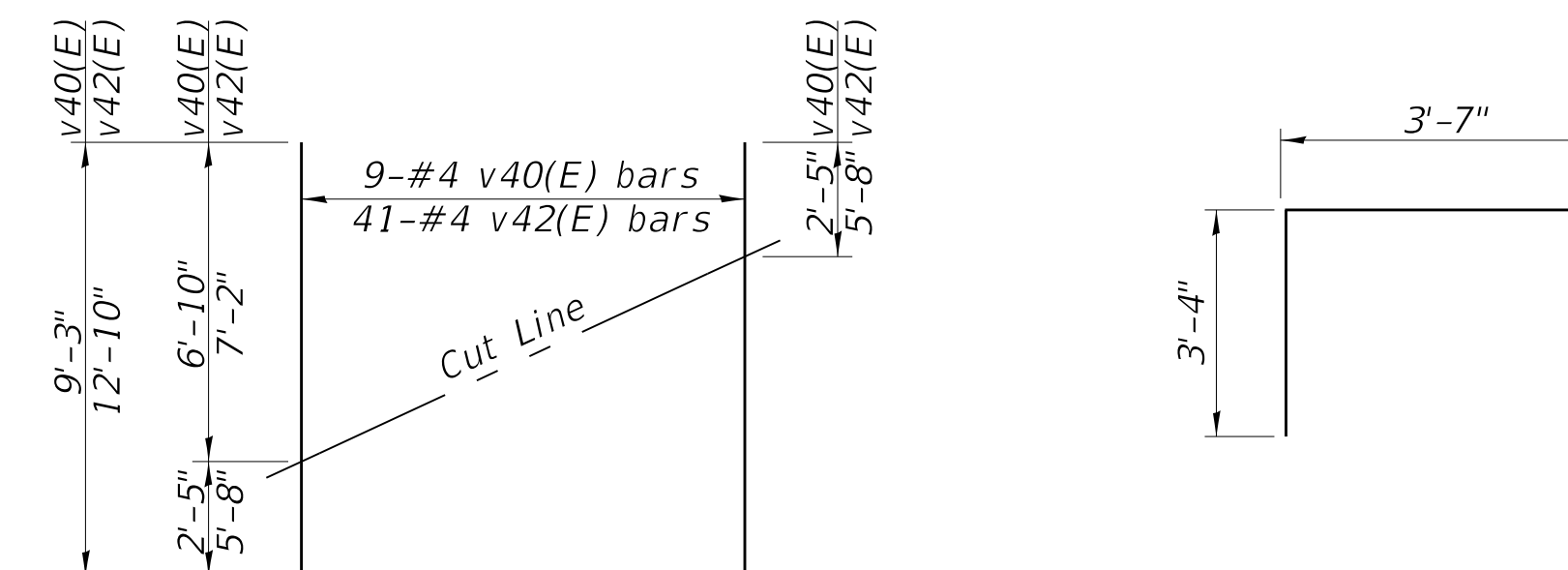
BAR h42(E)



BAR d40(E)

**BILL OF MATERIAL**

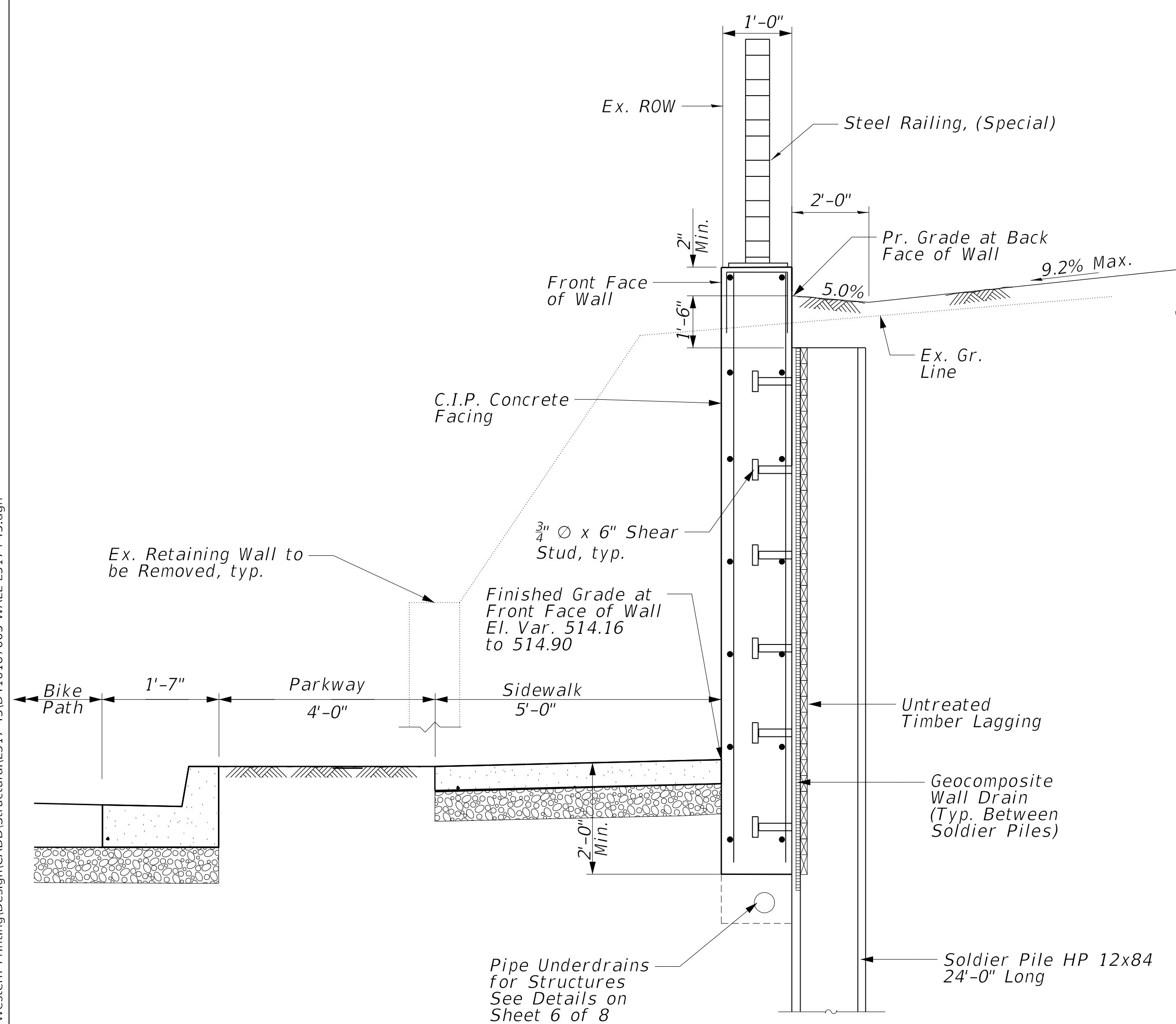
Bar	No.	Size	Length	Shape
d40(E)	65	#4	5'-10"	□
h40(E)	14	#5	33'-9"	—
h41(E)	14	#5	29'-8"	—
h42(E)	2	#5	44'-1"	—
h43(E)	2	#5	44'-0"	—
h44(E)	14	#5	6'-11"	└
v40(E)	9	#4	9'-3"	—
v41(E)	10	#4	7'-3"	—
v42(E)	41	#4	12'-10"	—
v43(E)	18	#4	5'-7"	—
Reinforcement Bars, Epoxy Coated		Pound	1,990	



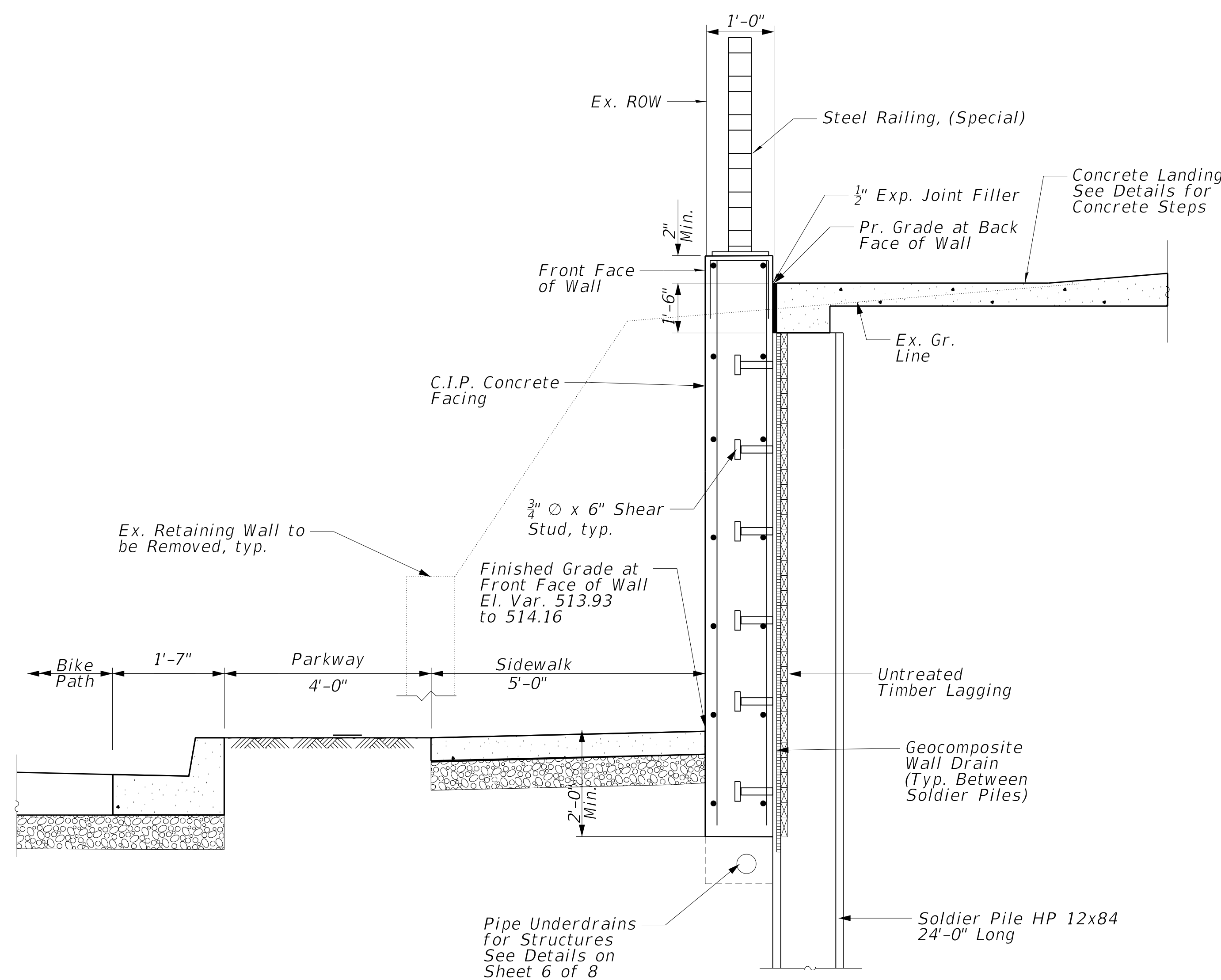
**FIELD CUTTING DIAGRAM**

Order v40(E) and v42(E) full length. Cut as shown and use remainder of bars in opposite face.

BAR h44(E)



SECTION A-A THRU RETAINING WALL



SECTION B-B THRU RETAINING WALL

MODEL: D416187005-SHT-59766-005  
 FILE NAME: T:\Projects\16-187-005 COP Western Printing\Design\CADD\Structural\L317+45\16-187005-WALL-L317+45.dgn

DESIGNED - KEF	EXAMINED	DATE -
CHECKED - DDB	ENGINEER OF BRIDGE DESIGN	
DRAWN - BKR	PASSED	REVISED - \$REVISED1\$
CHECKED - DDB	ENGINEER OF BRIDGES AND STRUCTURES	REVISED - \$REVISED2\$

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

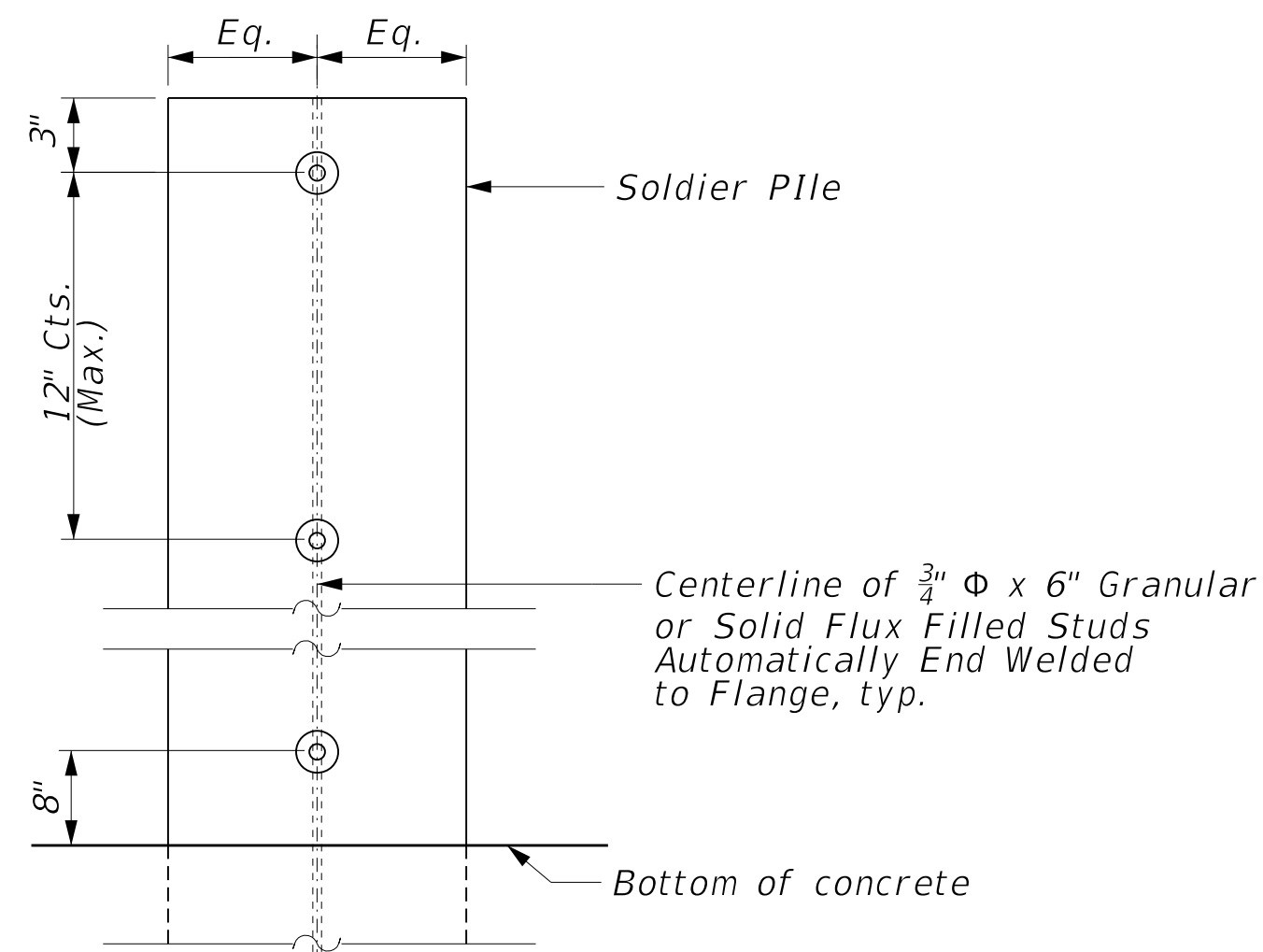
RETAINING WALL SECTIONS  
 RETAINING WALL L317+45

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-00-EG	PEORIA	422	346
CONTRACT NO. 89766				

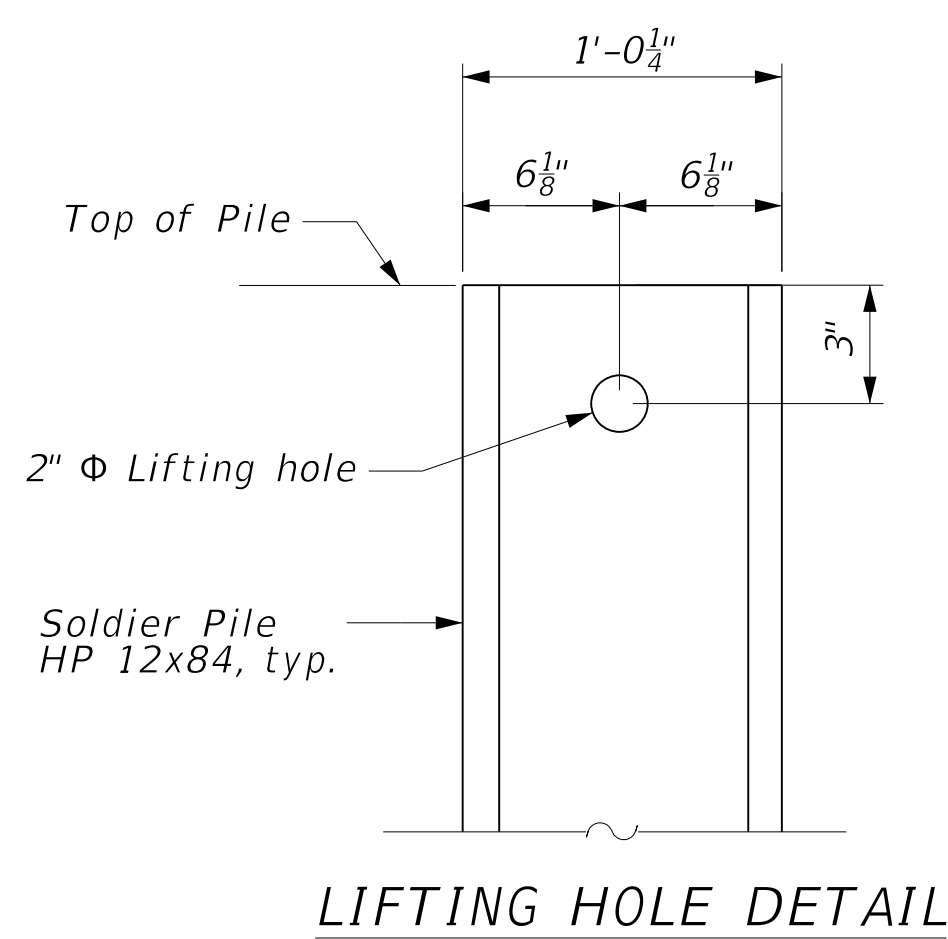
SHEET 5 OF 8 SHEETS

ILLINOIS FED. AID PROJECT

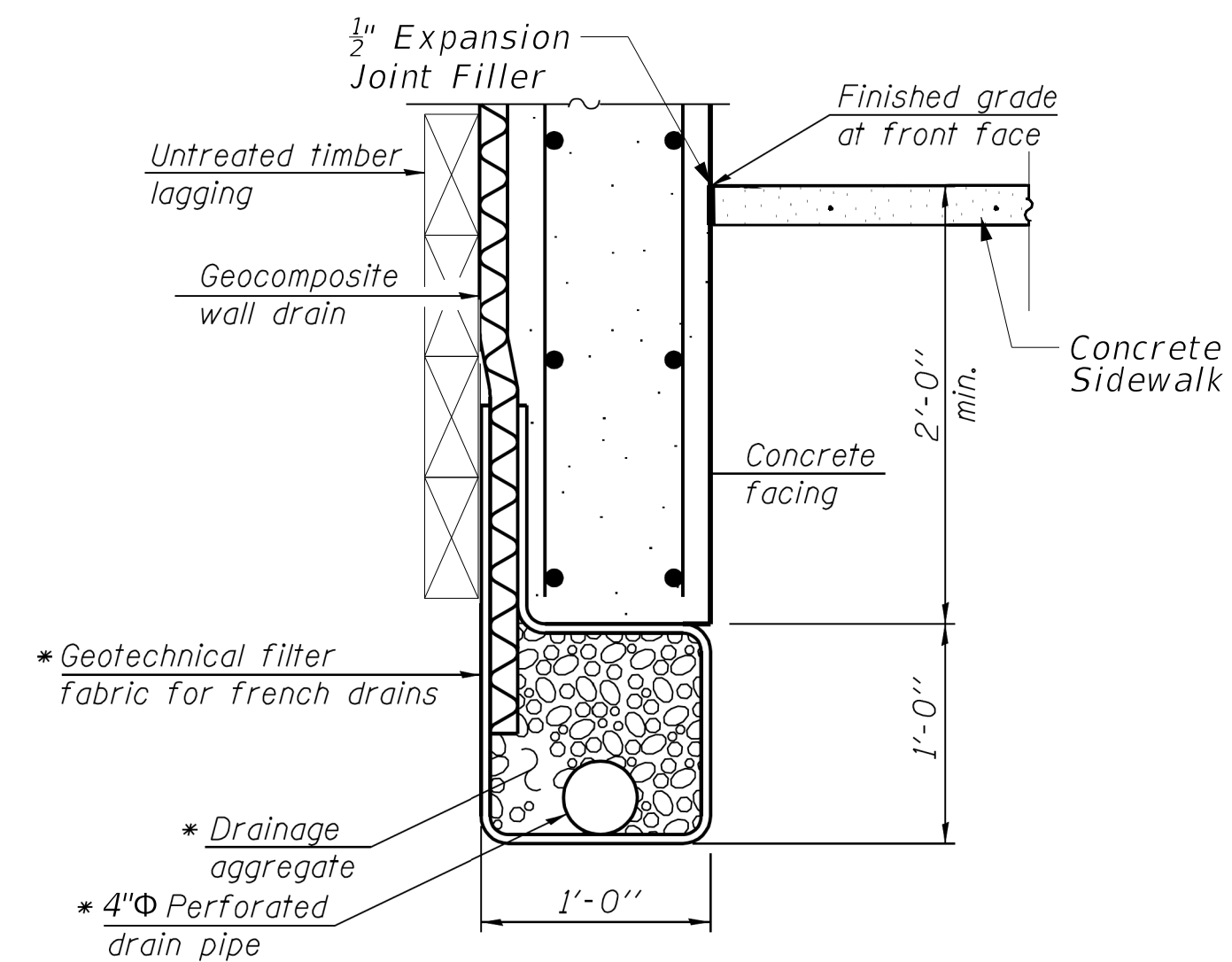
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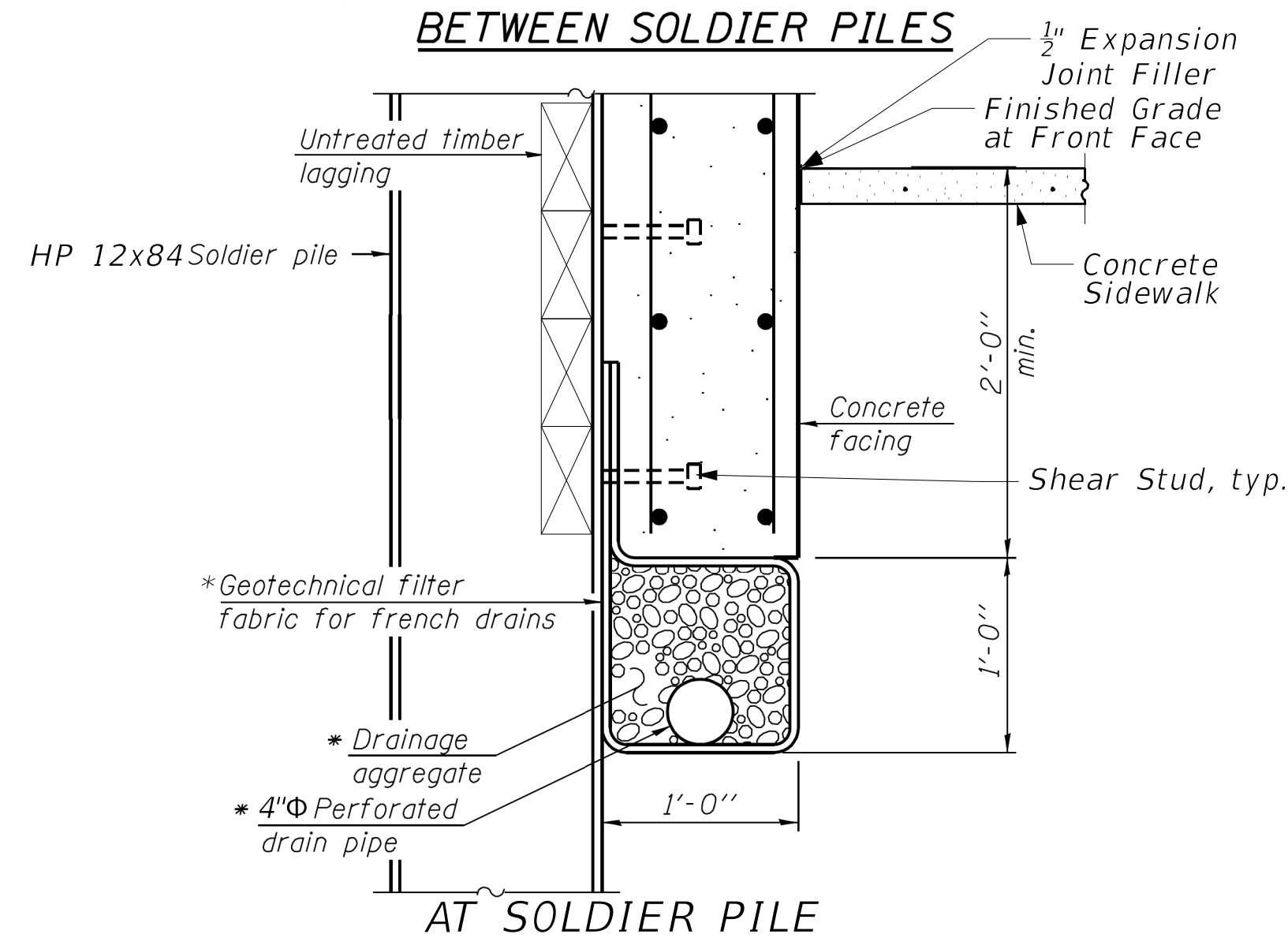
**STUD SHEAR CONNECTOR LAYOUT**



**LIFTING HOLE DETAIL**



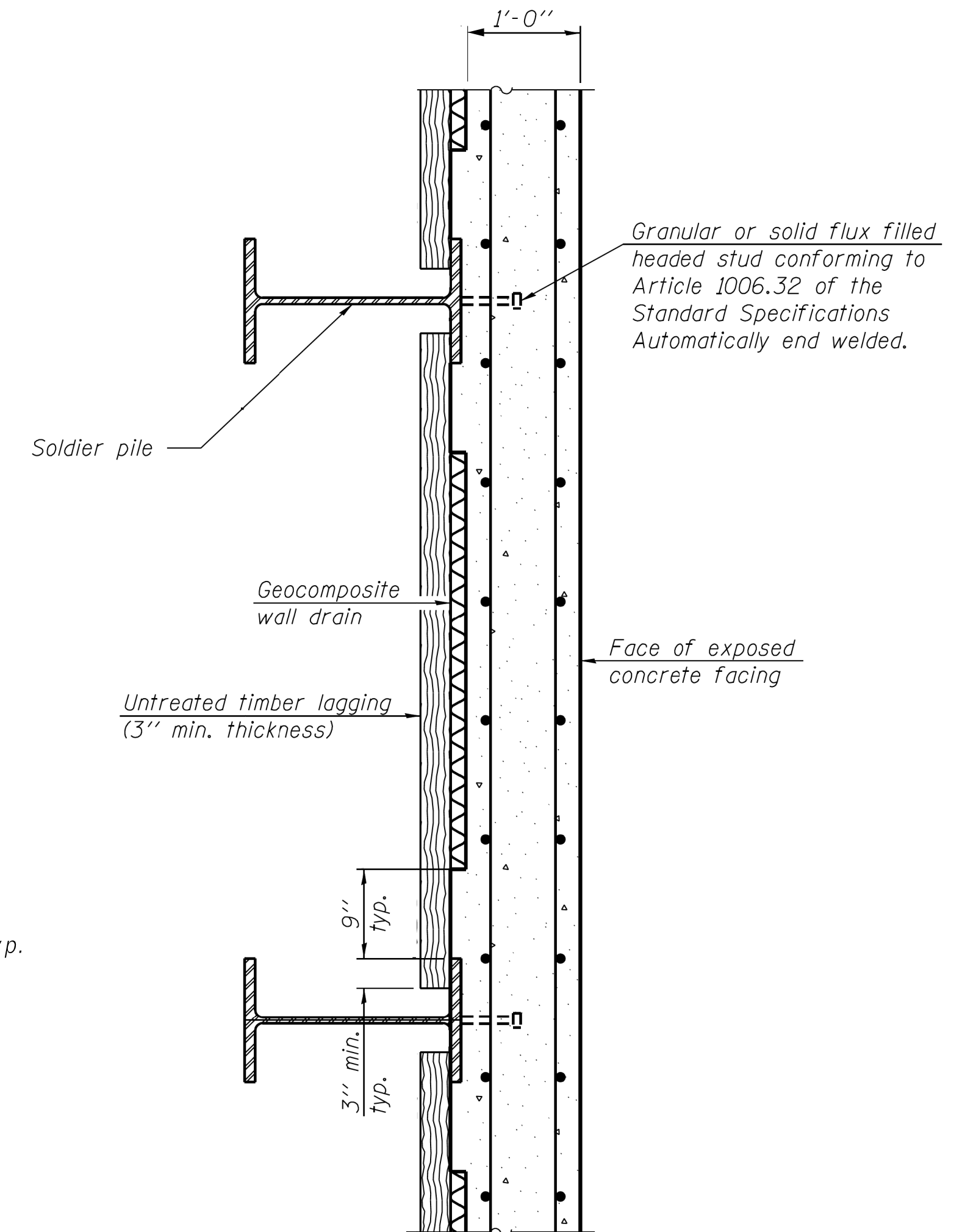
**BETWEEN SOLDIER PILES**



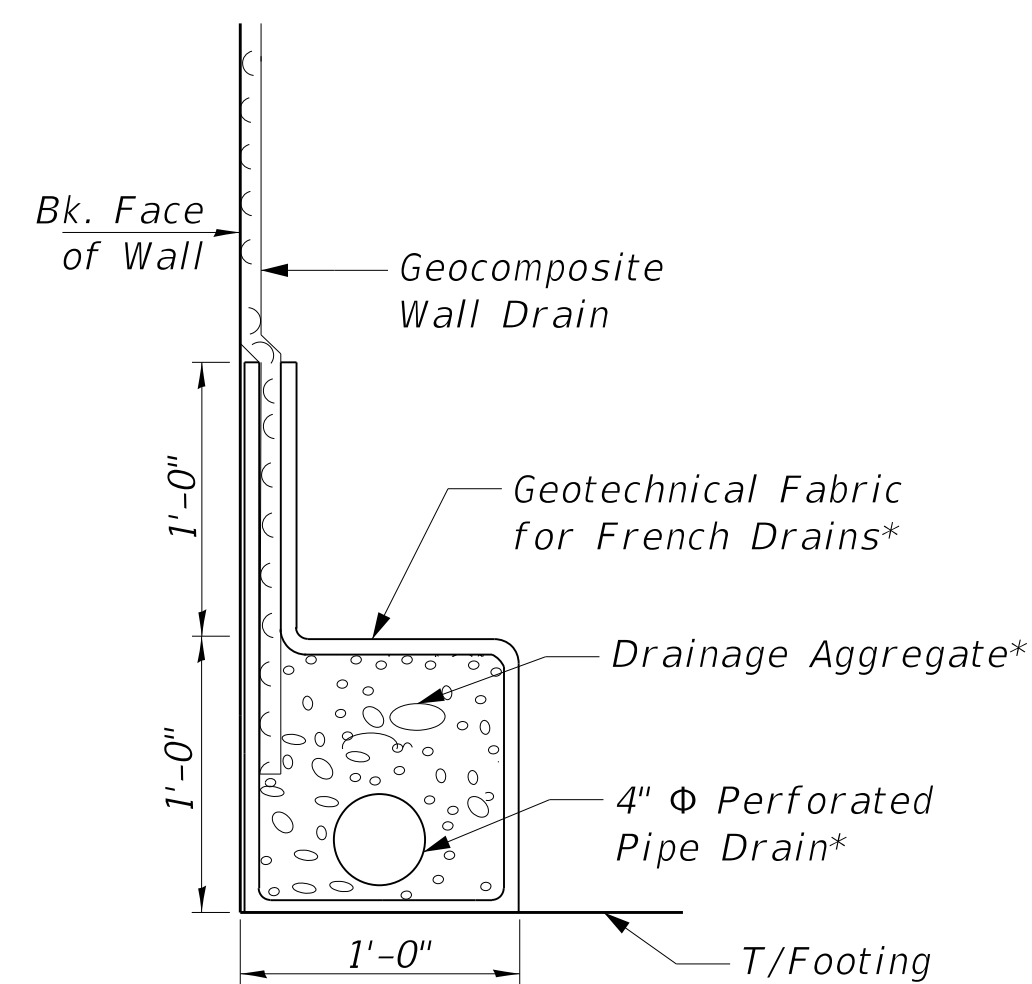
**AT SOLDIER PILE**

**UNDERDRAIN DETAIL FOR SOLDIER PILE WALL**

\*Included in the cost of Pipe Underdrains for Structures.

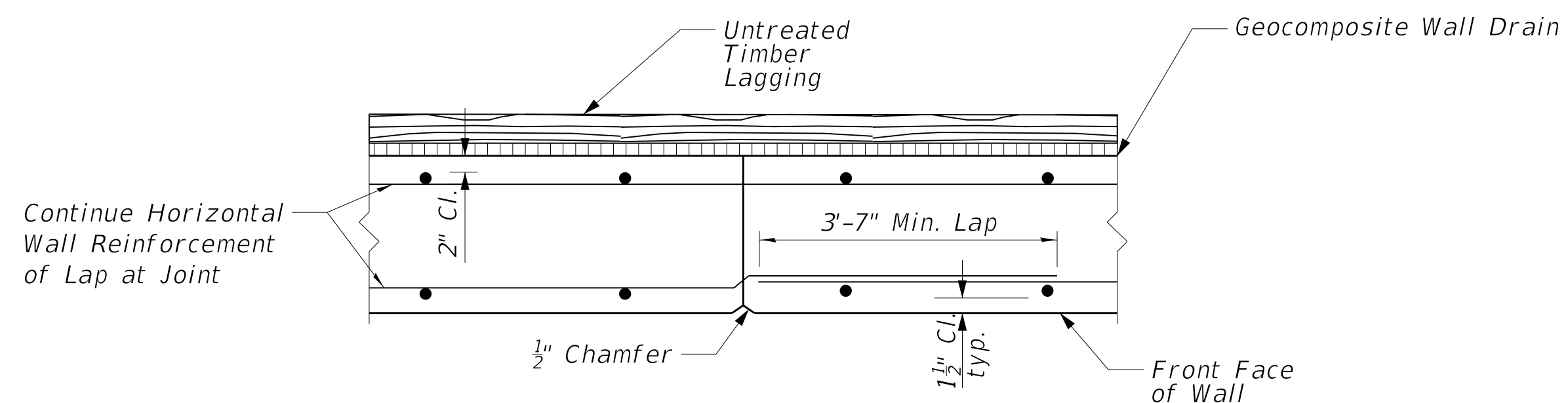


**SECTION THRU SOLDIER PILE WALL**



**PIPE UNDERDRAIN DETAIL**

\* Included in the cost of Pipe Underdrain for Structures



**CONSTRUCTION JOINT DETAIL**

Note:  
Space Construction Joints As-Shown on Elevation.

**NOTES:**

1. The thickness of geocomposite wall drain shall not exceed 1 1/4".
2. Lagging is required in cut sections to retain existing earth up to existing grade line. Quantity given in Bill of Material for Untreated Timber Lagging is to top of pile.
3. The geocomposite wall drain shall be constructed according to Section 591 of the Standard Specifications.
4. Stud shear connectors shall be 3/4" x 6" granular or solid flux filled headed studs, automatically end welded to the front flange of the soldier pile
5. Lagging shall be no less than a 3" nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi, according to Section 1007.03 of the Standard Specifications.

MODEL: D416187005-SHT-69766-006  
FILE NAME: T:\Projects\16-187-005 COP Western Printing\Design\CADD\Structural\1317-45\16187005-WALL-L317+45.dgn  
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DESIGNED - KEF	EXAMINED	DATE -
CHECKED - DDB	ENGINEER OF BRIDGE DESIGN	
DRAWN - BKR	PASSED	
CHECKED - DDB	ENGINEER OF BRIDGES AND STRUCTURES	

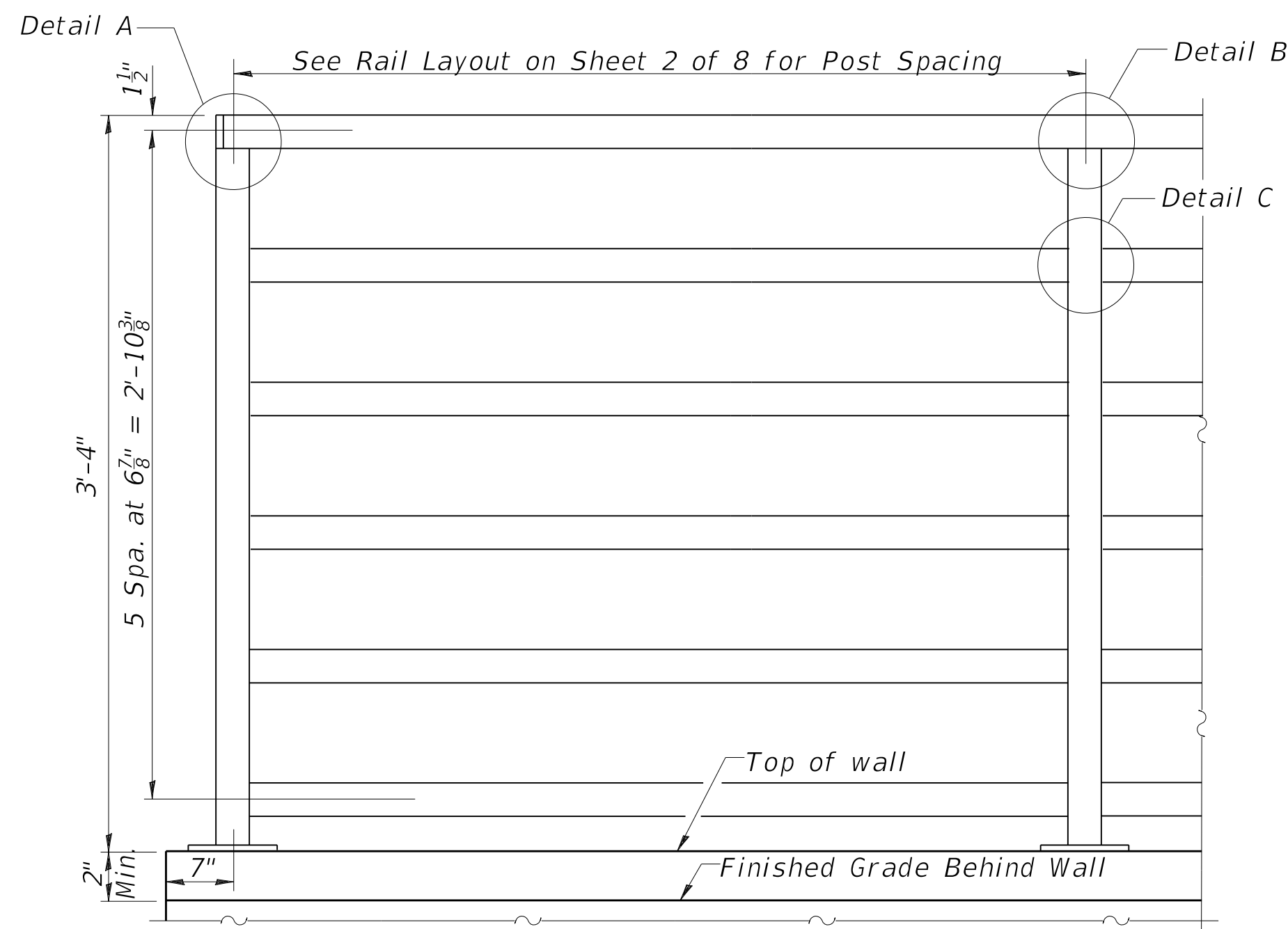
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RETAINING WALL SECTIONS DETAILS  
RETAINING WALL L317+45**

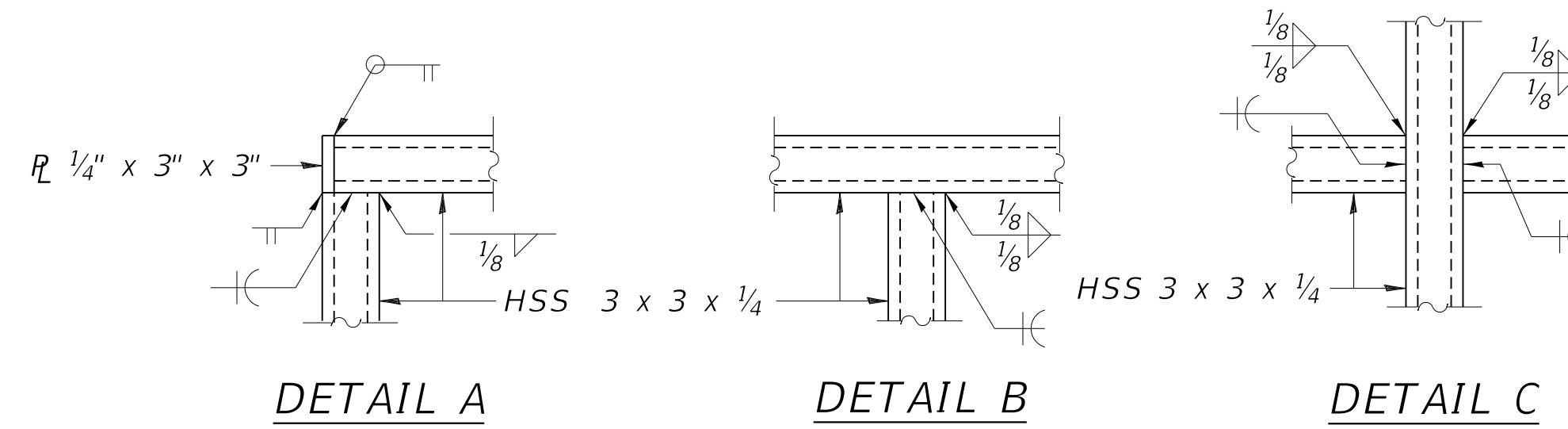
SHEET 6 OF 8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-00-EG	PEORIA	422	347
CONTRACT NO. 89766				
ILLINOIS FED. AID PROJECT				



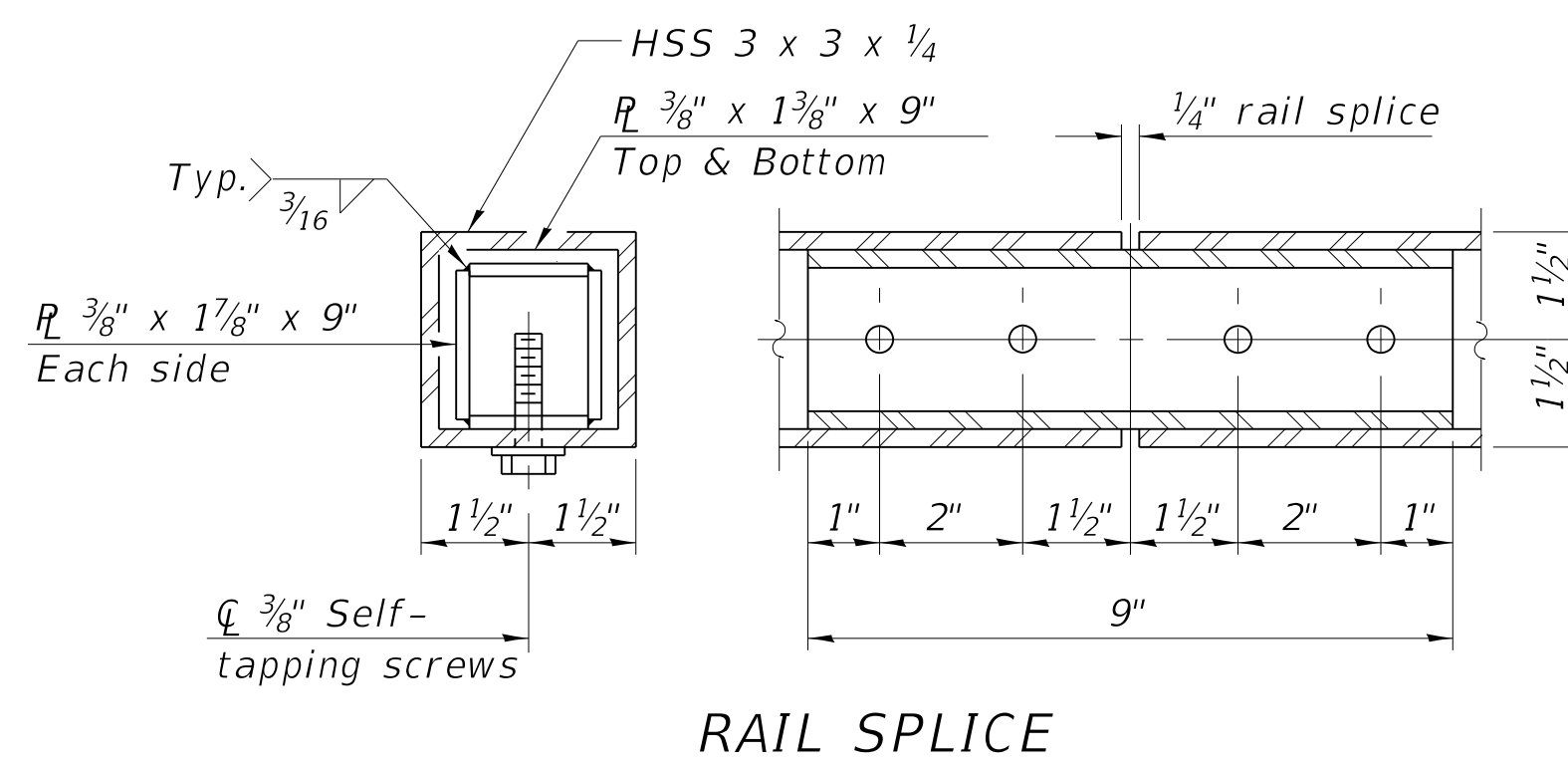
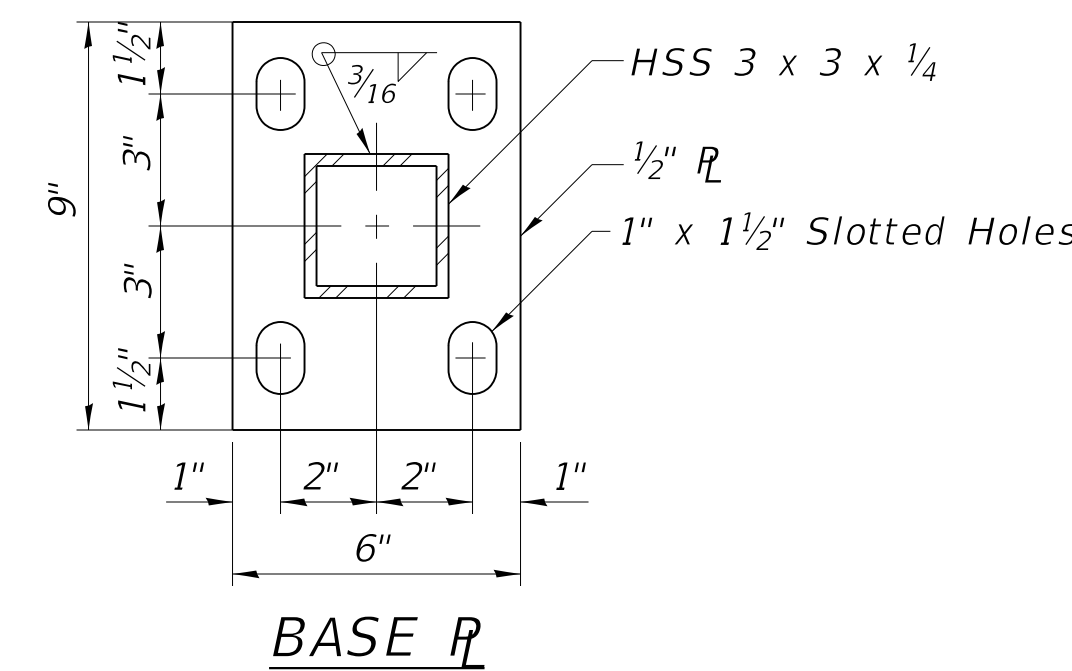
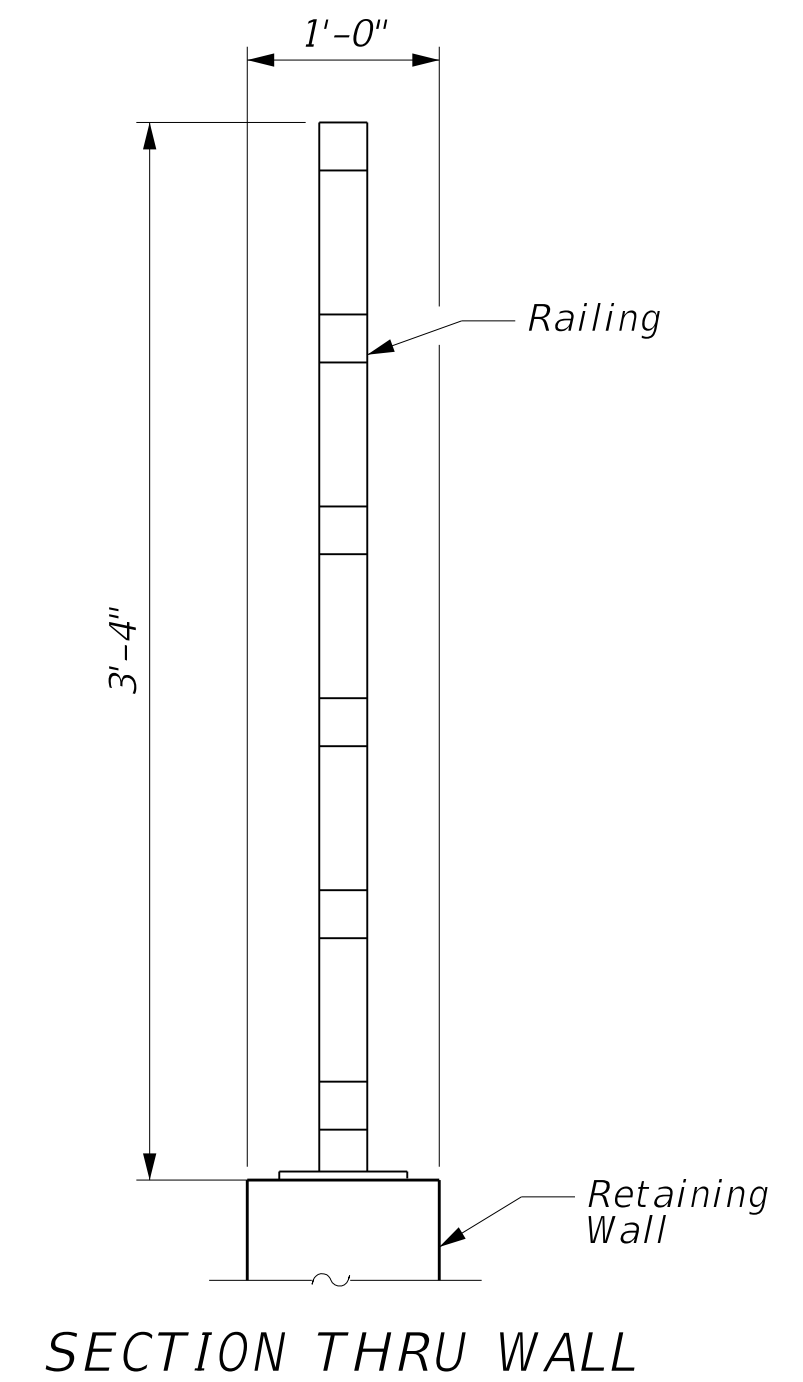
**RAILING**

- Notes:
- All structural steel tubing post and railing shall be CVN tested according to 1006.34(b) of the Standard Specifications.
  - Ends of handrail shall be either rounded or returned smoothly to floor, wall or post.
  - Hand & safety rails shall not rotate within their fittings.
  - Expansion joints in railing shall match location of expansion joints in walls.
  - The rail fabricator shall be responsible for field verification of all horizontal and vertical retaining wall geometry and joints prior to fabrication of the prescribed rails.

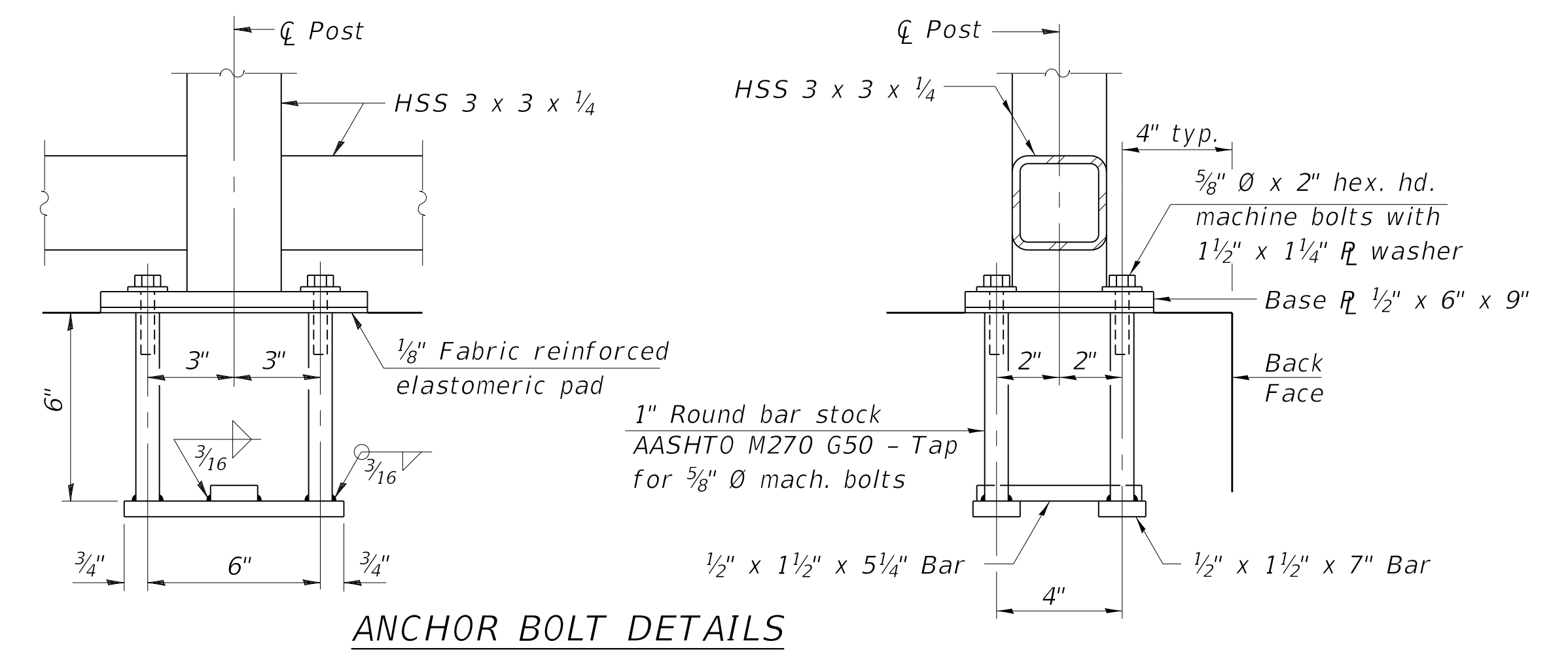


All posts, railing, splices, anchor devices, and plates shall be painted black using the Organic Zinc Rich Primer / Epoxy / Urethane Paint System per the Special Provision for Steel Railing (Special) and Article 509.05 of the Standard Specifications.

Posts shall be fabricated to be plumb when installed on the retaining wall. Bevel the base plate and angle the horizontal rails as necessary to follow the vertical profile of the top of retaining wall.



**RAIL SPLICE**



**ANCHOR BOLT DETAILS**

**BILL OF MATERIAL**

Item	Unit	Quantity
Steel Railing (Special)	Foot	64

MODEL: D416187005-SHT-89766-007  
 FILE NAME: T:\Projects\16-187-005 COP Western Printing\Design\CADD\Structural\L317+45\Wall-L317+45.dgn  
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DESIGNED - KEF	EXAMINED	DATE -
CHECKED - DDB	ENGINEER OF BRIDGE DESIGN	
DRAWN - BKR	PASSED	
CHECKED - DDB	ENGINEER OF BRIDGES AND STRUCTURES	

REVISD - \$REVISED1\$
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

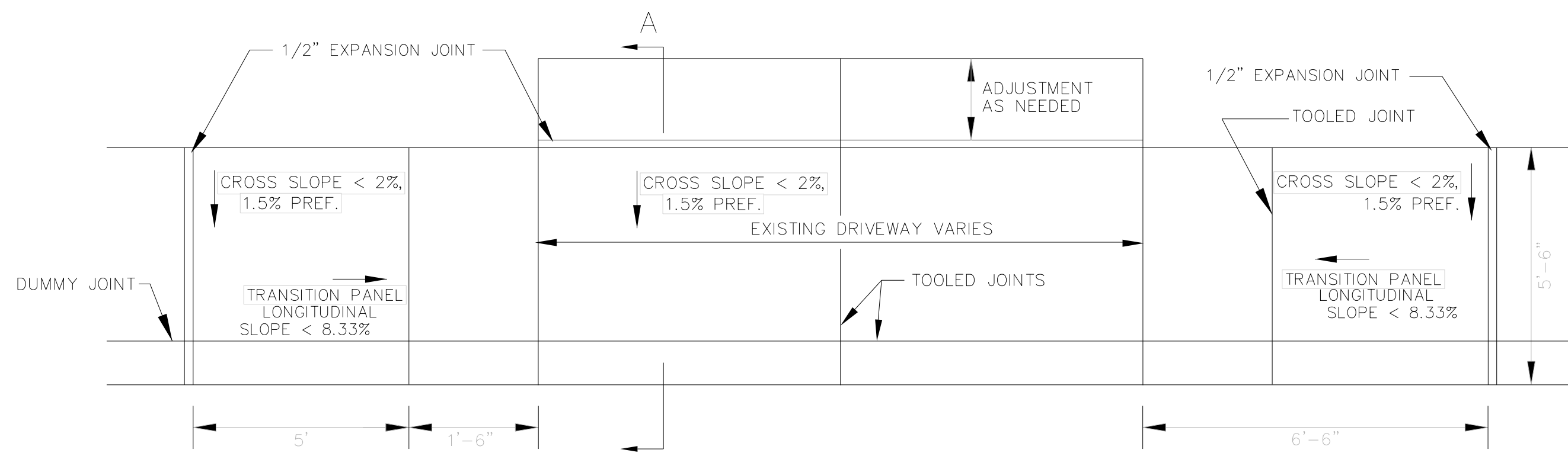
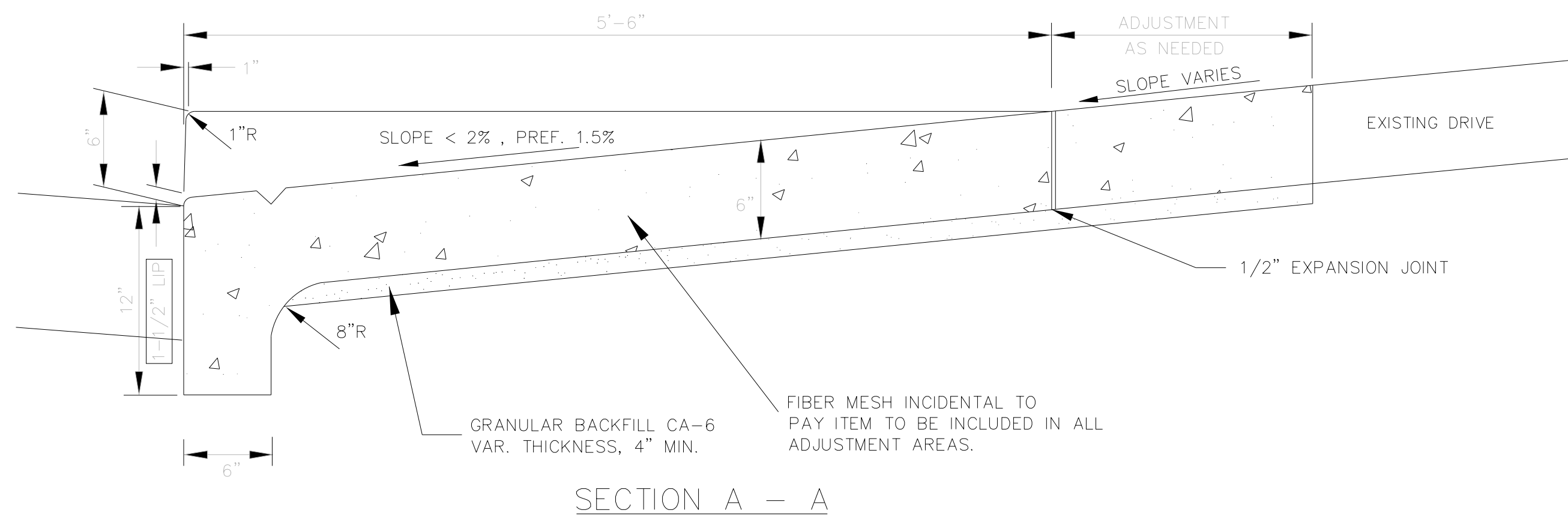
**STEEL RAILING, (SPECIAL)  
 RETAINING WALL L317+45**

SHEET 7 OF 8 SHEETS

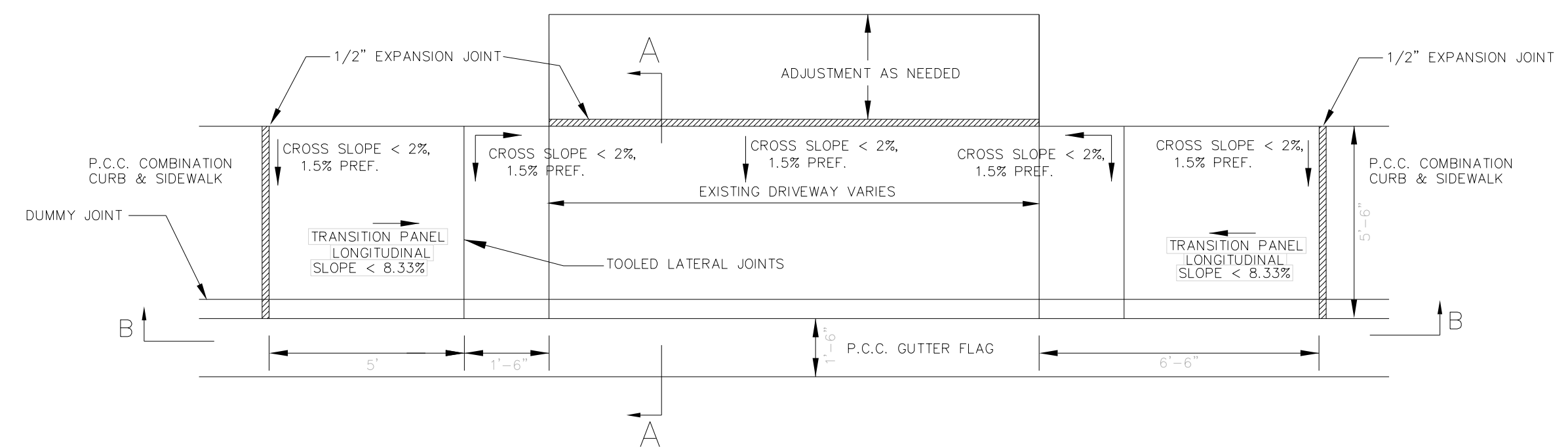
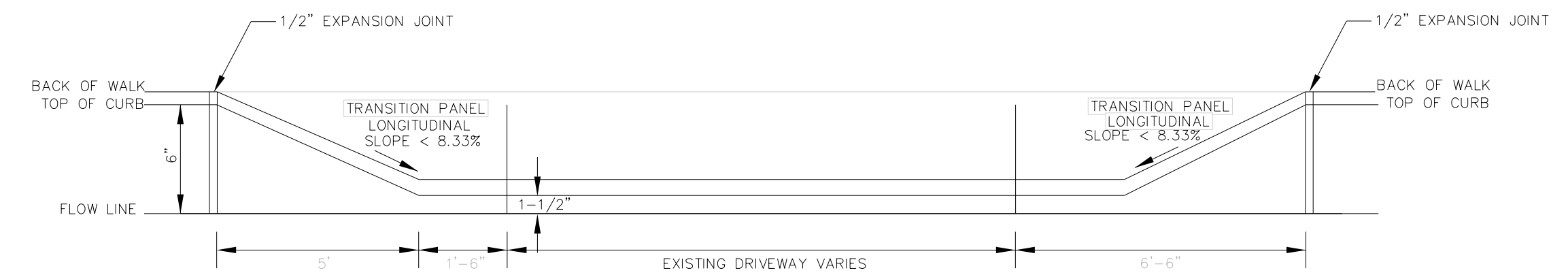
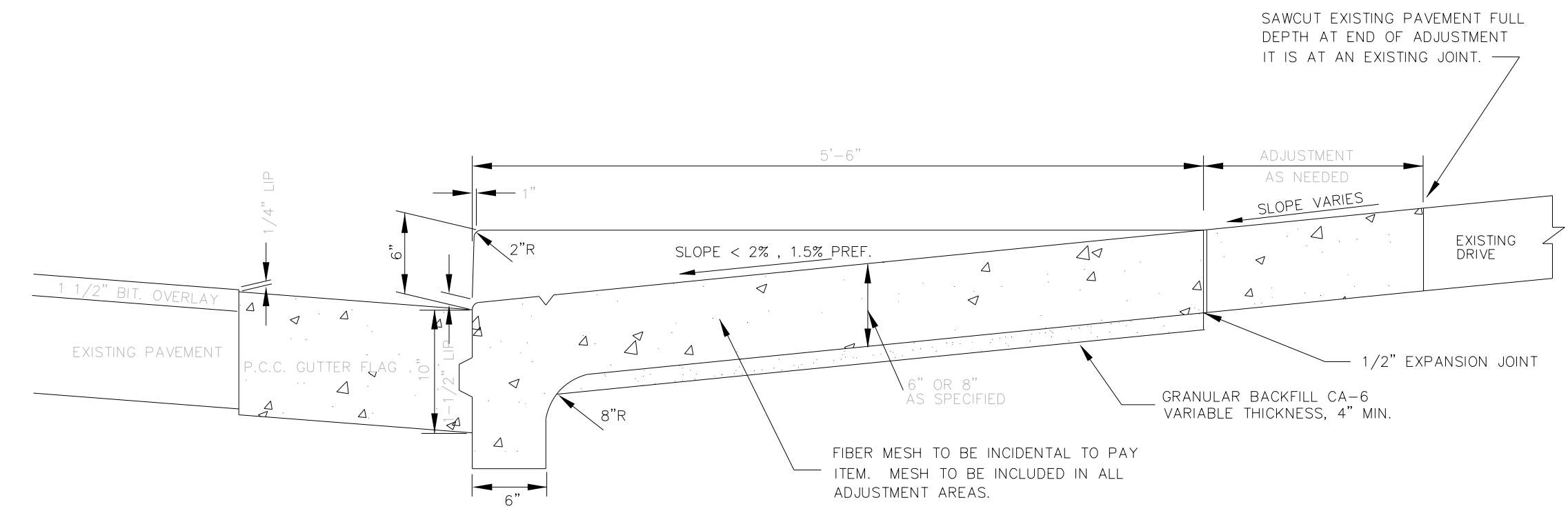
F.A.P. RTE. 6594	SECTION 16-00368-00-EG	COUNTY PEORIA	TOTAL SHEETS 422	SHEET NO. 348
			CONTRACT NO. 89766	
		ILLINOIS FED. AID PROJECT		







NOTE:  
ALL FOAM/FELT EXPANSION JOINTS SHALL BE CAULKED WITH SELF LEVELING CAULK, COVERING THE SURFACE OF THE JOINT.  
RUBBERIZED EXPANSION JOINTS ARE NOT REQUIRED TO BE CAULKED.



NOTE:  
ALL FOAM/FELT EXPANSION JOINTS SHALL BE CAULKED WITH SELF LEVELING CAULK, COVERING THE SURFACE OF THE JOINT.  
RUBBERIZED EXPANSION JOINTS ARE NOT REQUIRED TO BE CAULKED.

CITY OF PEORIA  
PUBLIC WORKS DEPT. - ENGINEERING DIV.

P.C.C. DRIVEWAY PAVEMENT

DRAWN BY: BY: SML  
DATE: REVISED: 04/06/16

CITY OF PEORIA  
PUBLIC WORKS DEPT. - ENGINEERING DIV.

P.C.C. DRIVEWAY PAVEMENT

DRAWN BY: BY: SML  
DATE: REVISED: 04/06/16

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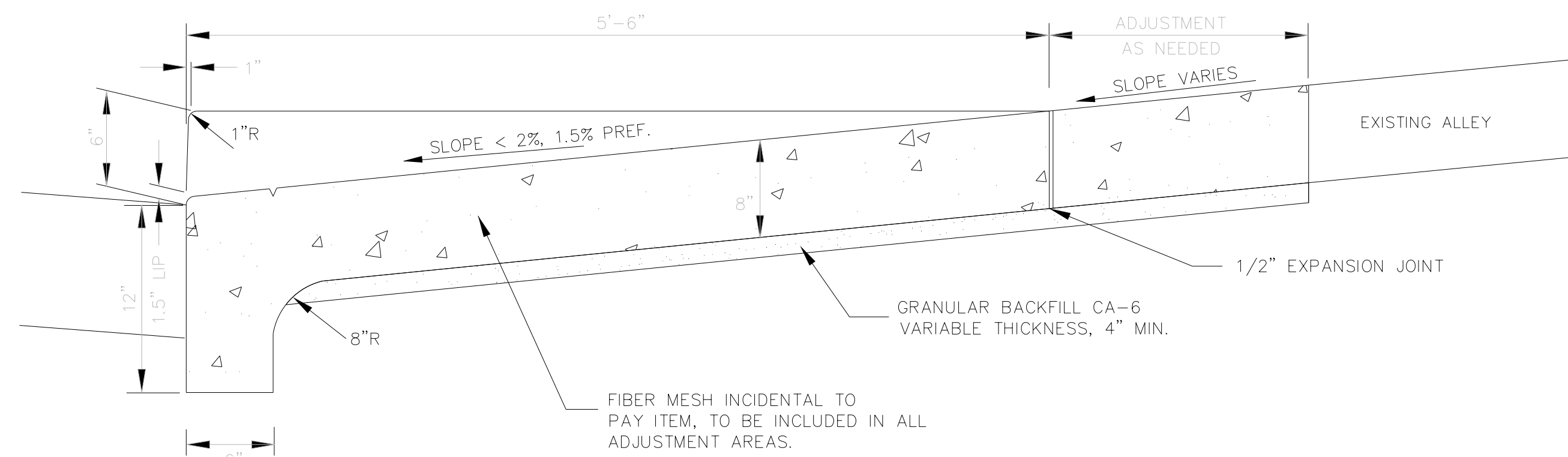
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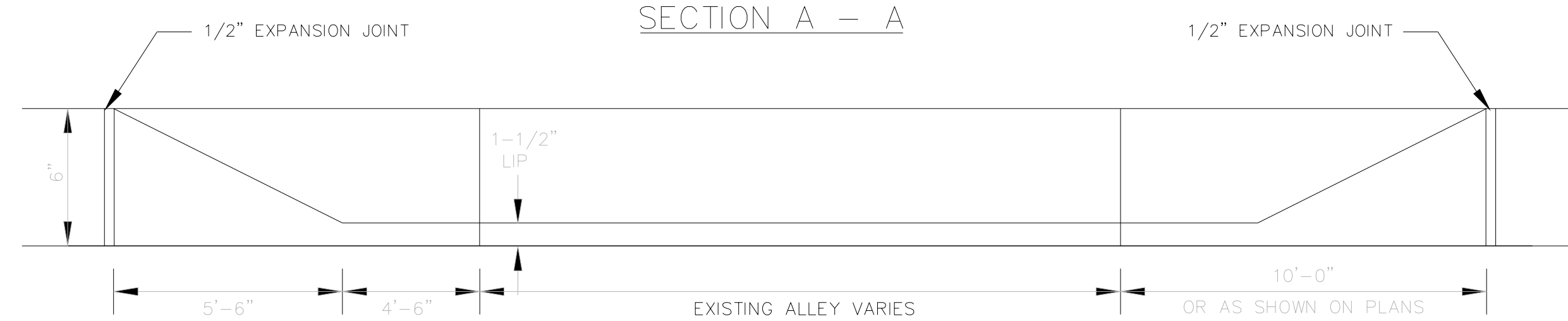
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAILS  
DRIVEWAY PAVEMENT  
SCALE: NTS SHEET 1 OF 17 SHEETS STA. TO STA.

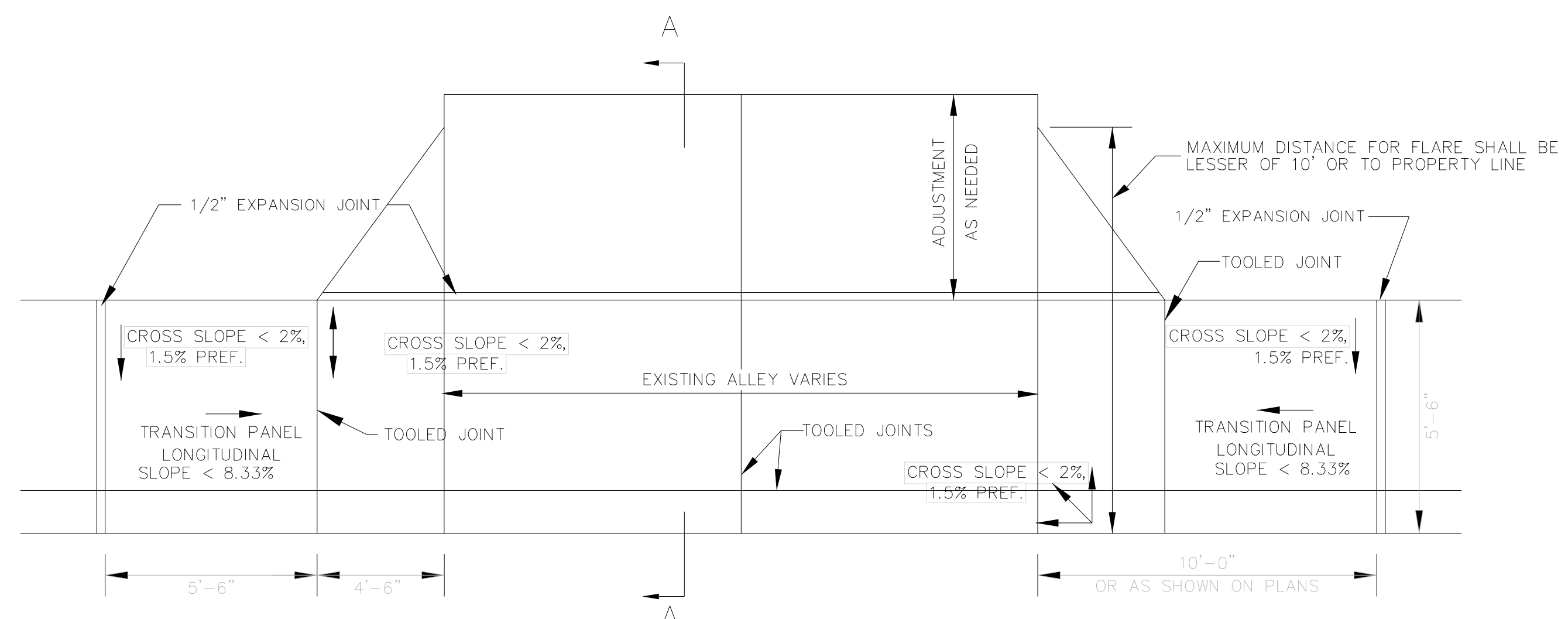
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6594	16-00368-01-PV	PEORIA	422	350
WESTERN AVE RECONSTRUCTION			CONTRACT NO. 89766	
ILLINOIS FED. AID PROJECT				



SECTION A - A

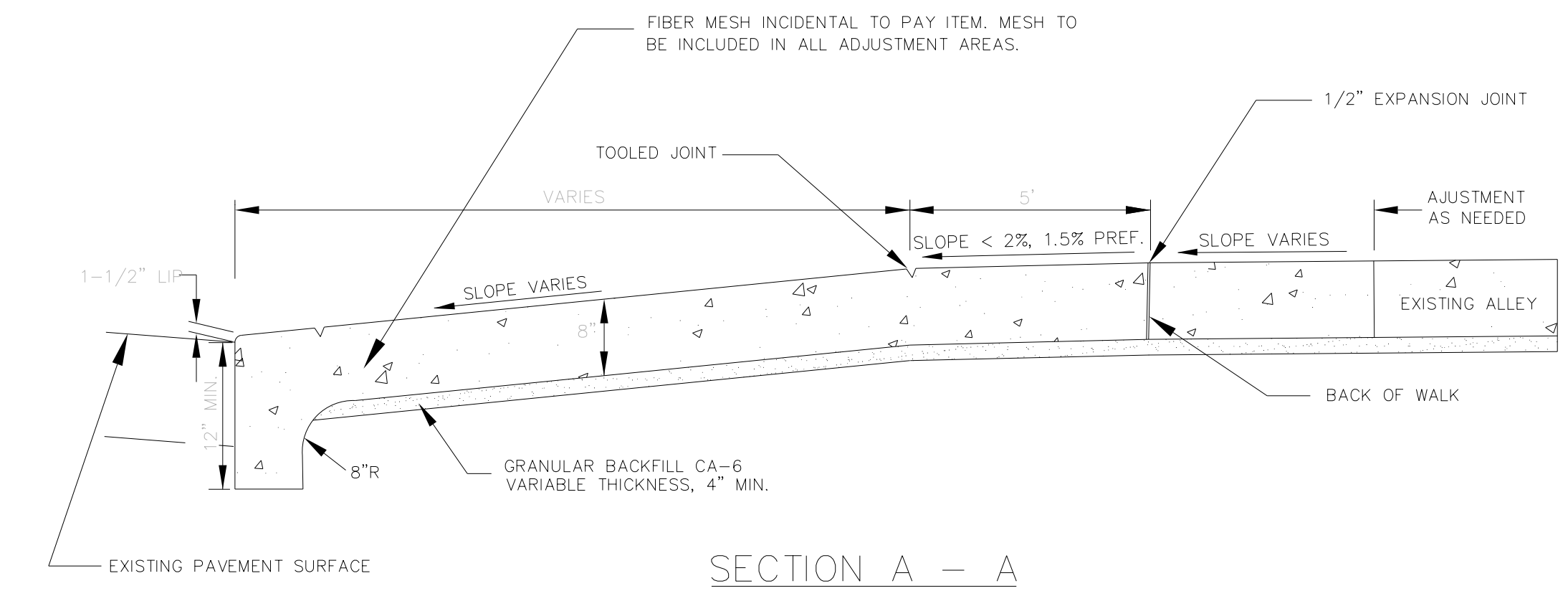


CURB LINE PROFILE

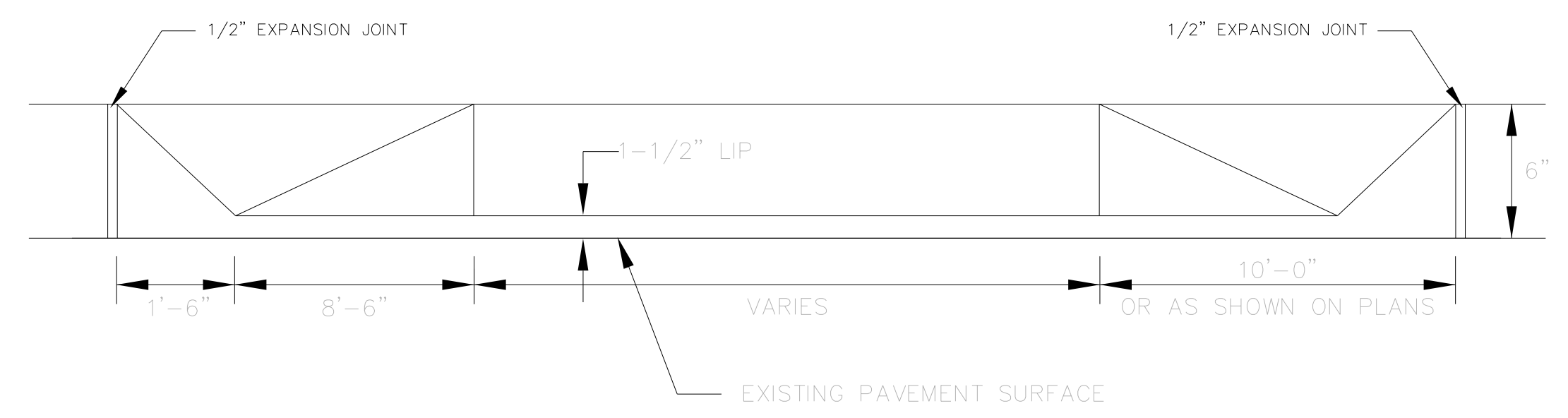


P.C.C. ALLEY/COMMERCIAL DRIVEWAY APPROACH - 8" ADJACENT TO COMBINATION CURB AND SIDEWALK

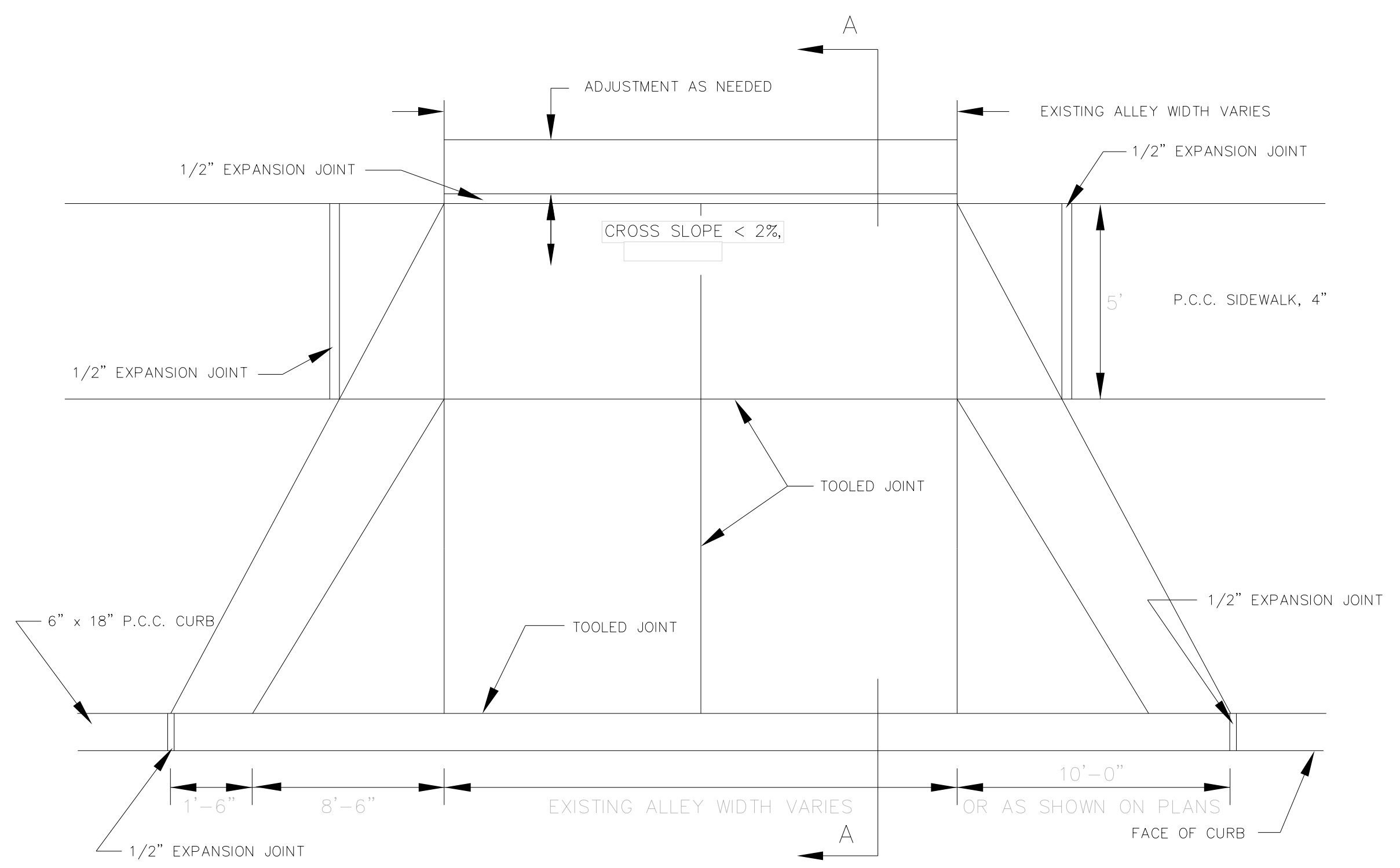
NOTE:  
ALL FOAM/FELT EXPANSION JOINTS SHALL BE CAULKED WITH SELF LEVELING CAULK, COVERING THE SURFACE OF THE JOINT.  
RUBBERIZED EXPANSION JOINTS ARE NOT REQUIRED TO BE CAULKED.



SECTION A - A



CURB LINE PROFILE



P.C.C. COMMERCIAL DRIVEWAY/ALLEY APPROACH, 8" ADJACENT TO PROPERTY LINE SIDEWALK

NOTE:  
ALL FOAM/FELT EXPANSION JOINTS SHALL BE CAULKED WITH SELF LEVELING CAULK, COVERING THE SURFACE OF THE JOINT.  
RUBBERIZED EXPANSION JOINTS ARE NOT REQUIRED TO BE CAULKED.

**CITY OF PEORIA**  
PUBLIC WORKS DEPT. - ENGINEERING DIV.

P.C.C. ALLEY/COMM. DRIVEWAY PAVEMENT, 8"	
DRAWN BY:	BY: SML
DATE:	REVISED: 04/06/16

**CITY OF PEORIA**  
PUBLIC WORKS DEPT. - ENGINEERING DIV.

P.C.C. COMMERCIAL DRIVEWAY/ALLEY APPROACH, 8"	
DRAWN BY:	BY: SML
DATE:	REVISED: 04/06/16

MODEL: D:\default... FILE NAME: C:\projects\16-187-005 COP Western Printing\Design\CADD\Transportation\CADD\_Sheets\16-187-005-SHT-DETAIL-002.dgn

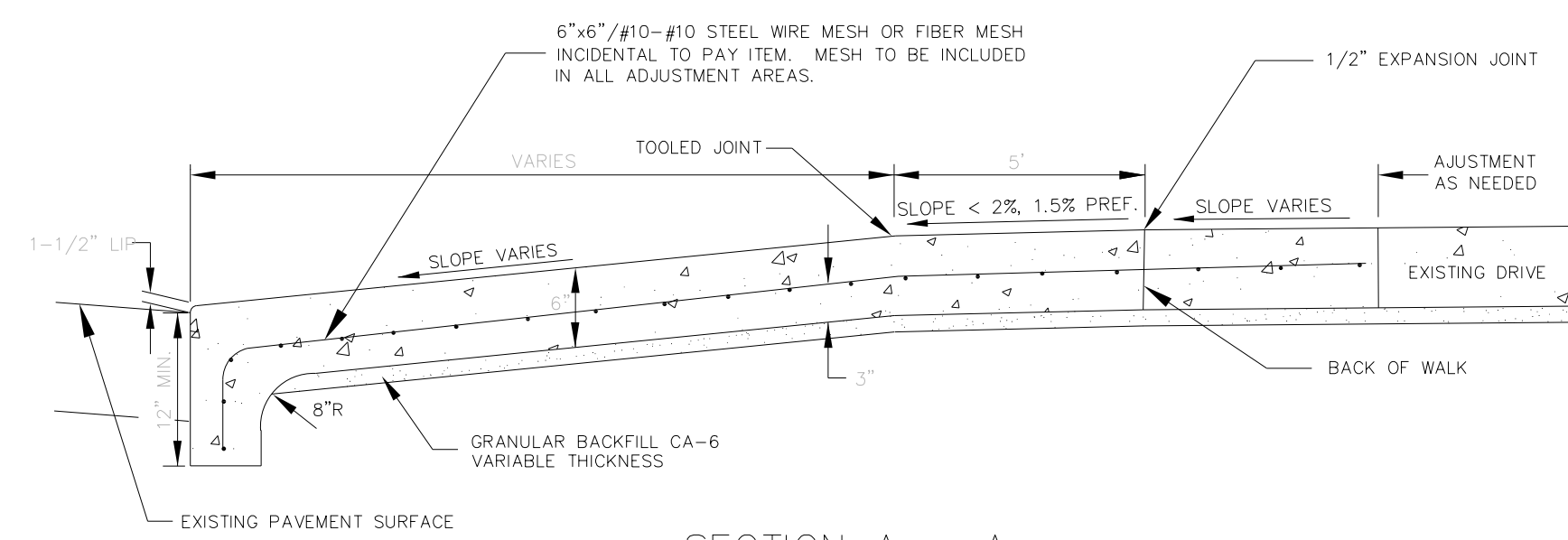


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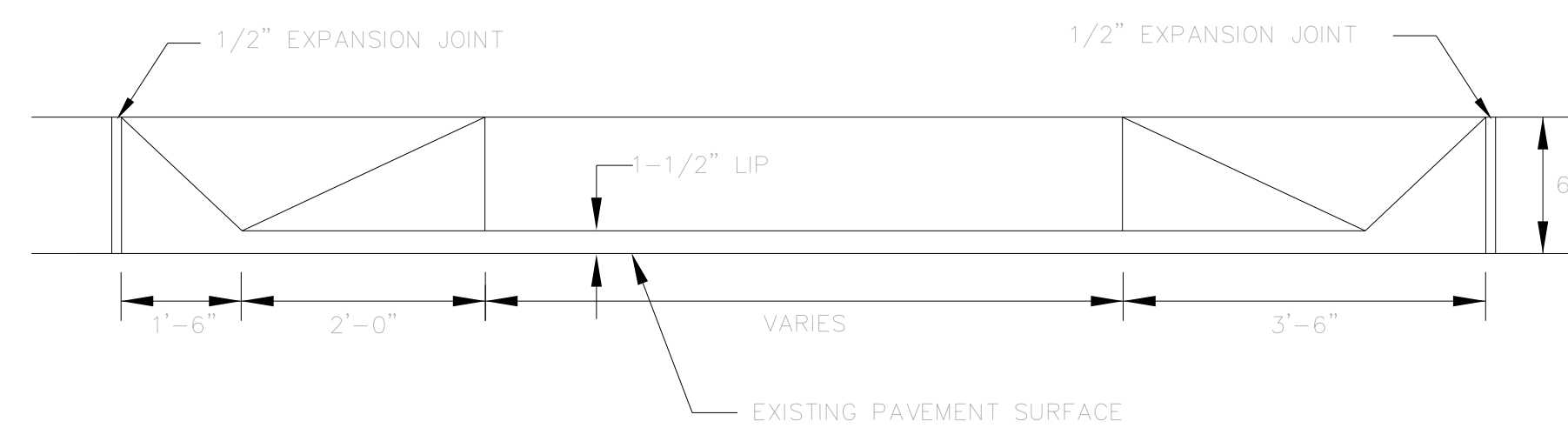
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

DETAILS			
P.C.C. ALLEY/COMMERCIAL DRIVEWAY PAVEMENT			
SCALE: NTS	SHEET 2	OF 17 SHEETS	STA. TO STA.

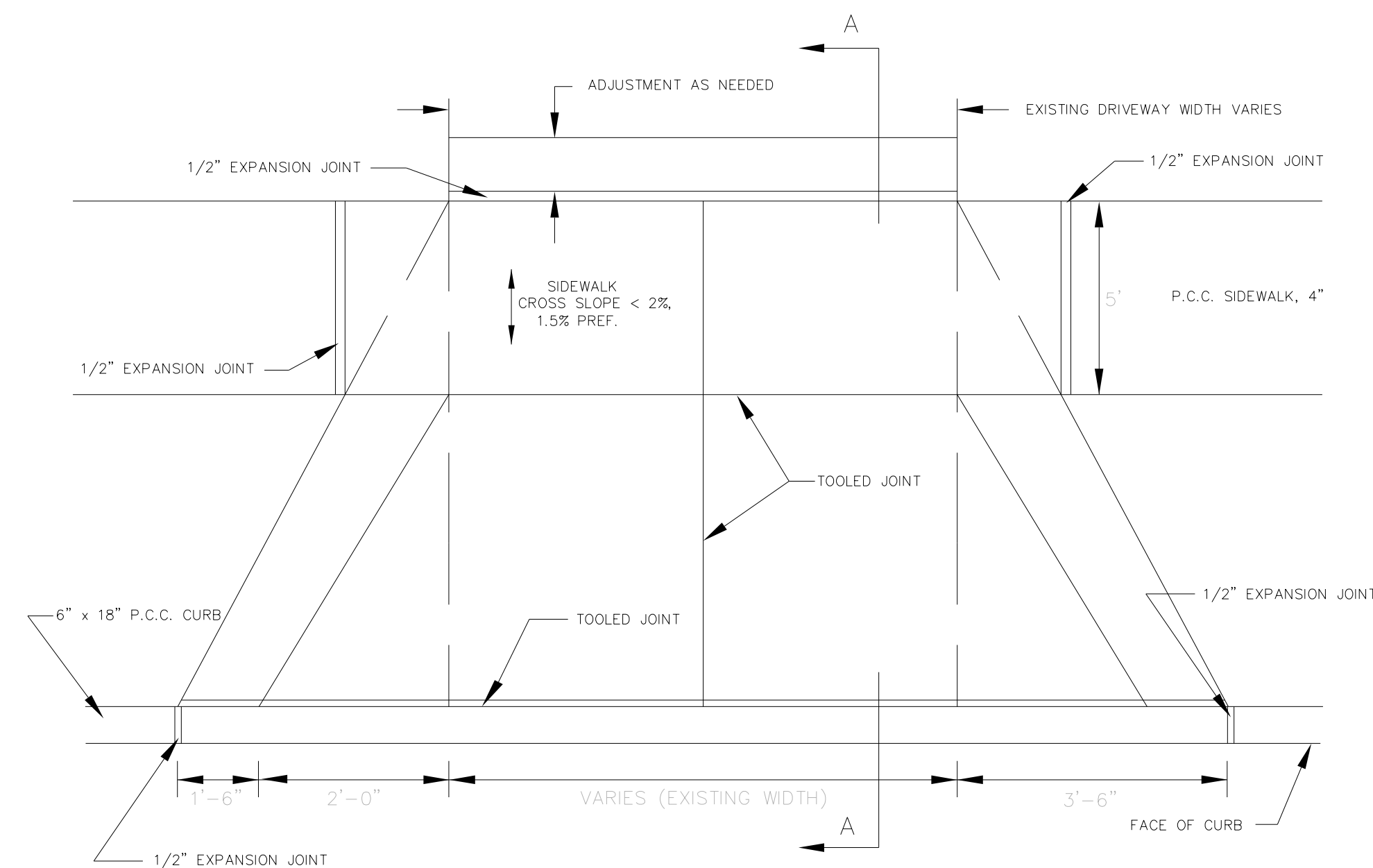
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	351
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS FED. AID PROJECT				



SECTION A - A



CURB LINE PROFILE



P.C.C. DRIVEWAY PAVEMENT, 6"  
ADJACENT TO PROPERTY LINE SIDEWALK

ALL FOAM/FELT EXPANSION JOINTS SHALL BE CAULKED WITH SELF LEVELING CAULK, COVERING THE SURFACE OF THE JOINT.  
RUBBERIZED EXPANSION JOINTS ARE NOT REQUIRED TO BE CAULKED.

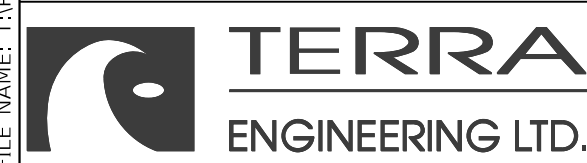


CITY OF PEORIA  
PUBLIC WORKS DEPT. - ENGINEERING DIV.

P.C.C. DRIVEWAY PAVEMENT

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DATE: REVISED: 10/04/16

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REVISED -



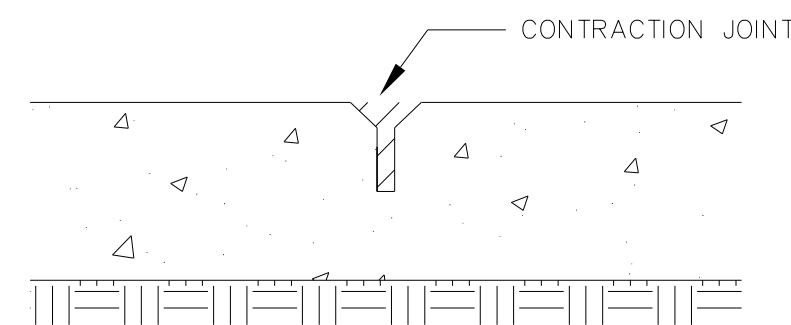
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAILS  
P.C.C. DRIVEWAY PAVEMENT

SCALE: NTS SHEET 3 OF 17 SHEETS STA. TO STA.

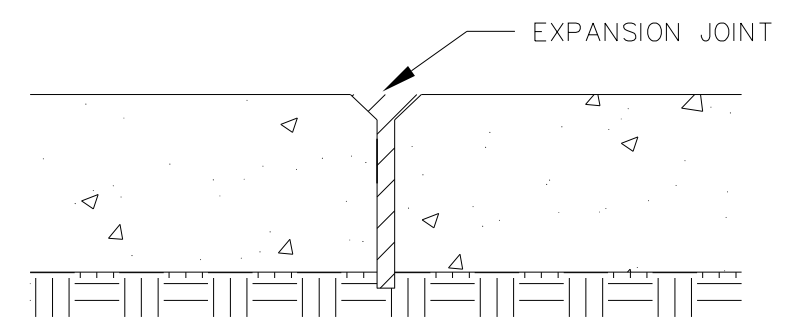
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	352
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS FED. AID PROJECT				

1/2" x 1-1/2" JOINT SHALL BE TOOLED AND SAWED TO A DEPTH OF 1-1/2"



SECTION A-A  
CONTRACTION JOINT

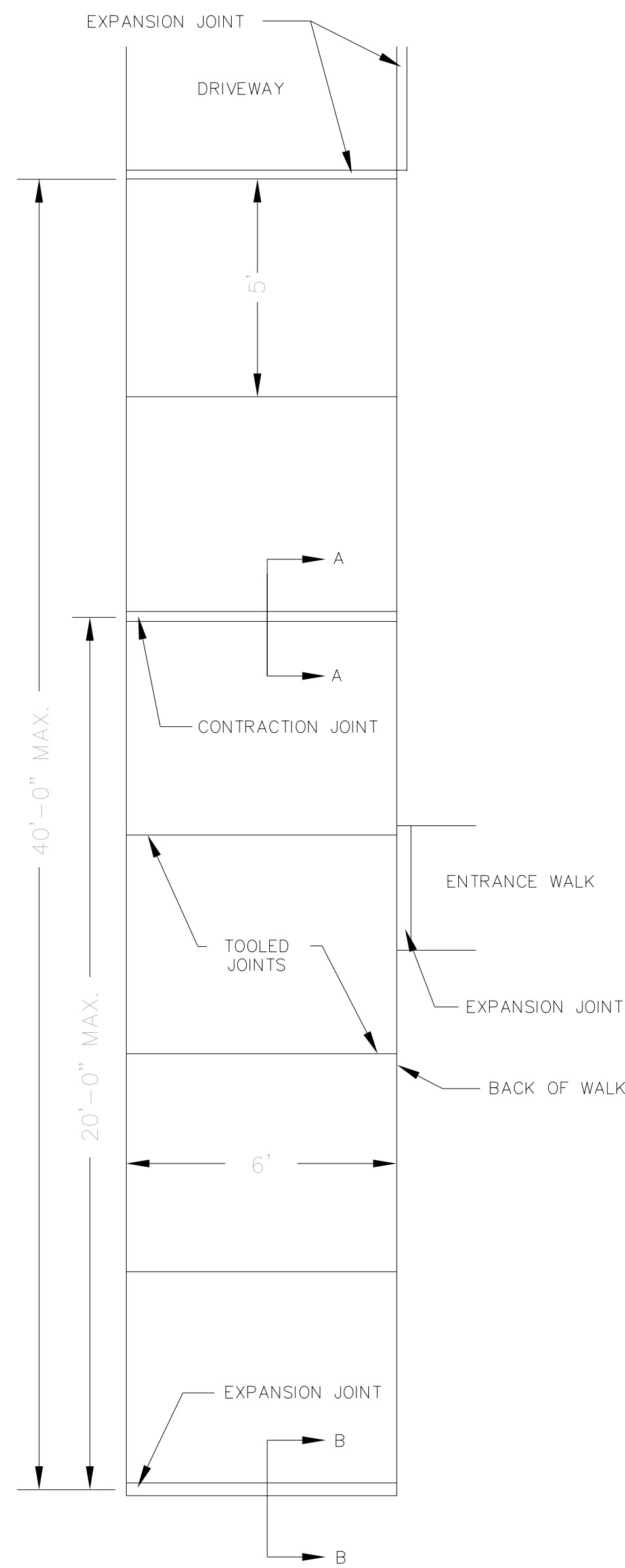
1/2" THICK PREFORMED JOINT FILLER SHALL BE INSTALLED 1/2" BELOW SURFACE OF SIDE WALK AND A BEAD OF ONE PART SELF LEVELING URETHANE SEALANT INSTALLED TO LEVEL OF SURFACE.



SECTION B-B  
EXPANSION JOINT

NOTES:

- CONTRACTION JOINTS SHALL BE SPACED SO THAT THE DISTANCE TO EXPANSION JOINTS ON EITHER SIDE SHALL NOT EXCEED 20 FEET. MAXIMUM DISTANCE BETWEEN EXPANSION JOINTS SHALL NOT EXCEED 40 FEET.



CONTRACTION AND EXPANSION JOINT DETAIL  
P.C.C. SIDEWALK, 4"

NOTE:

ALL FOAM/FELT EXPANSION JOINTS SHALL BE CAULKED WITH SELF LEVELING CAULK, COVERING THE SURFACE OF THE JOINT. RUBBERIZED EXPANSION JOINTS ARE NOT REQUIRED TO BE CAULKED.



CITY OF PEORIA  
PUBLIC WORKS DEPT. - ENGINEERING DIV.

CONTRACTION & EXPANSION JOINTS

DRAWN BY:	BY: SML
DATE:	REVISED: 04/06/16



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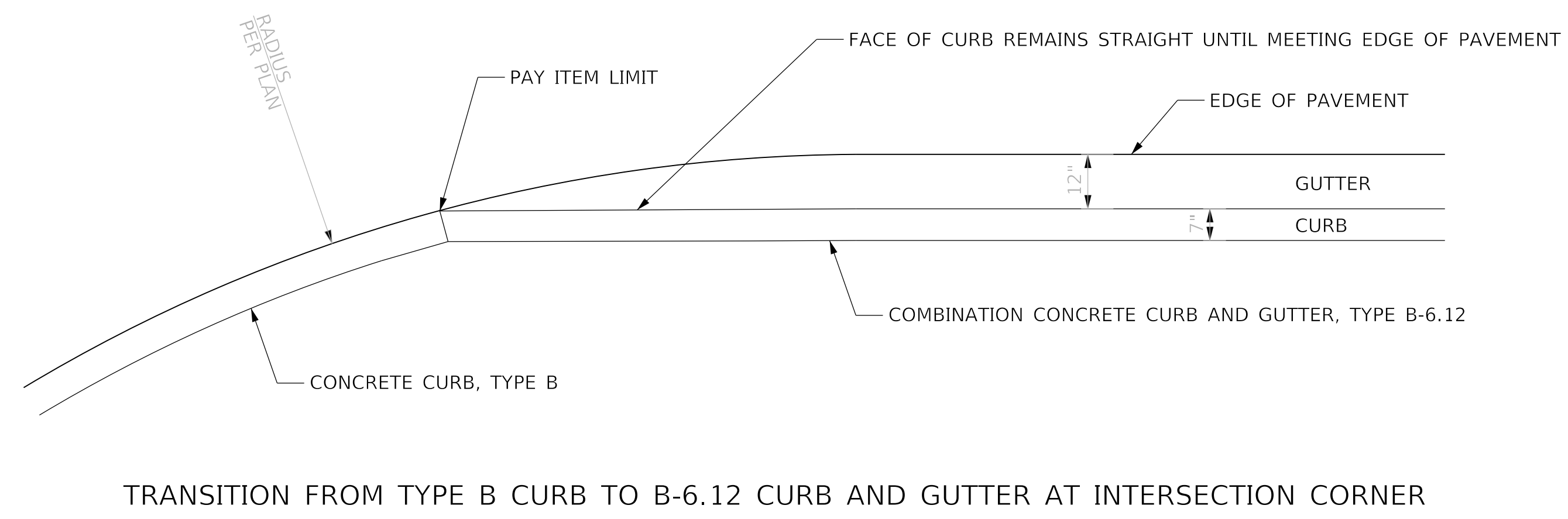
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAILS  
CONTRACTION AND EXPANSION JOINT

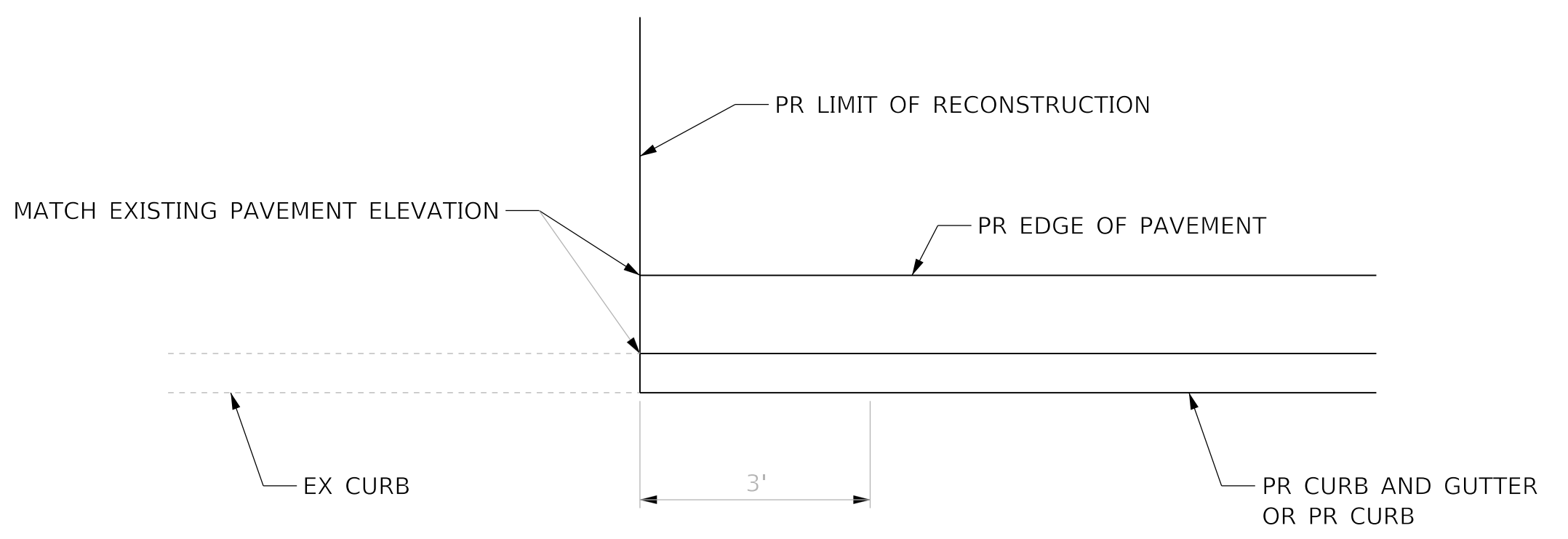
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS FED. AID PROJECT				

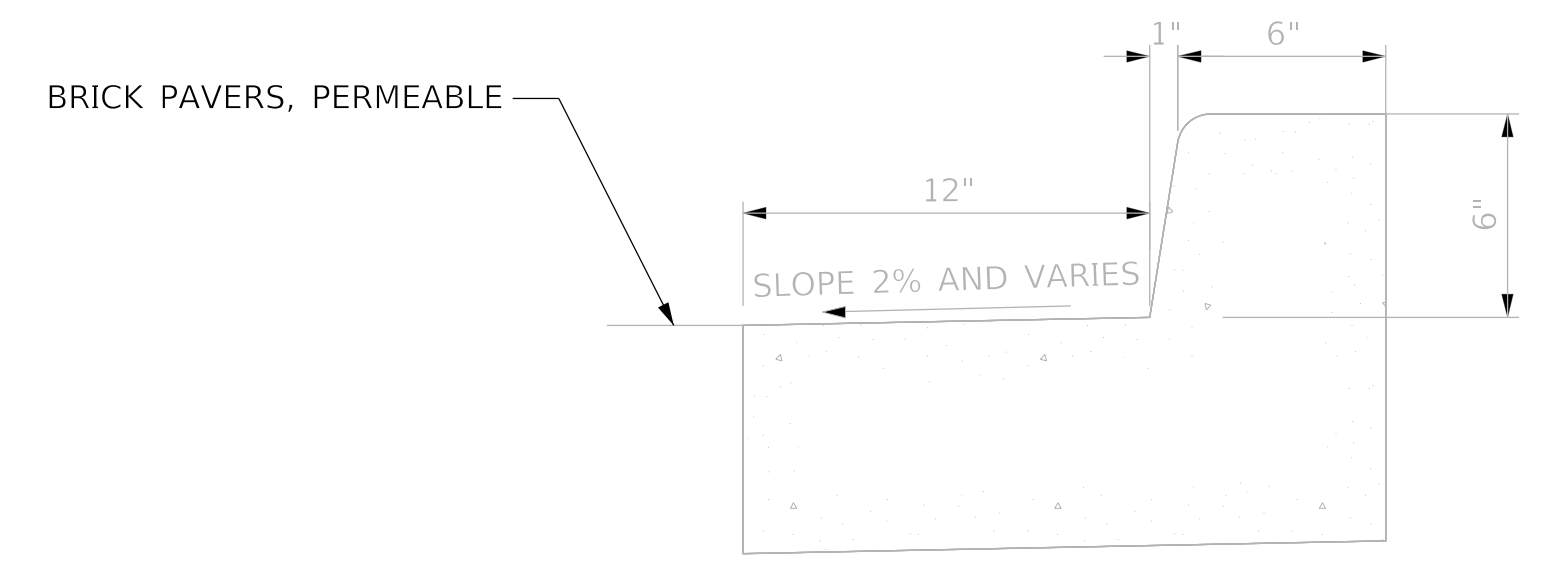
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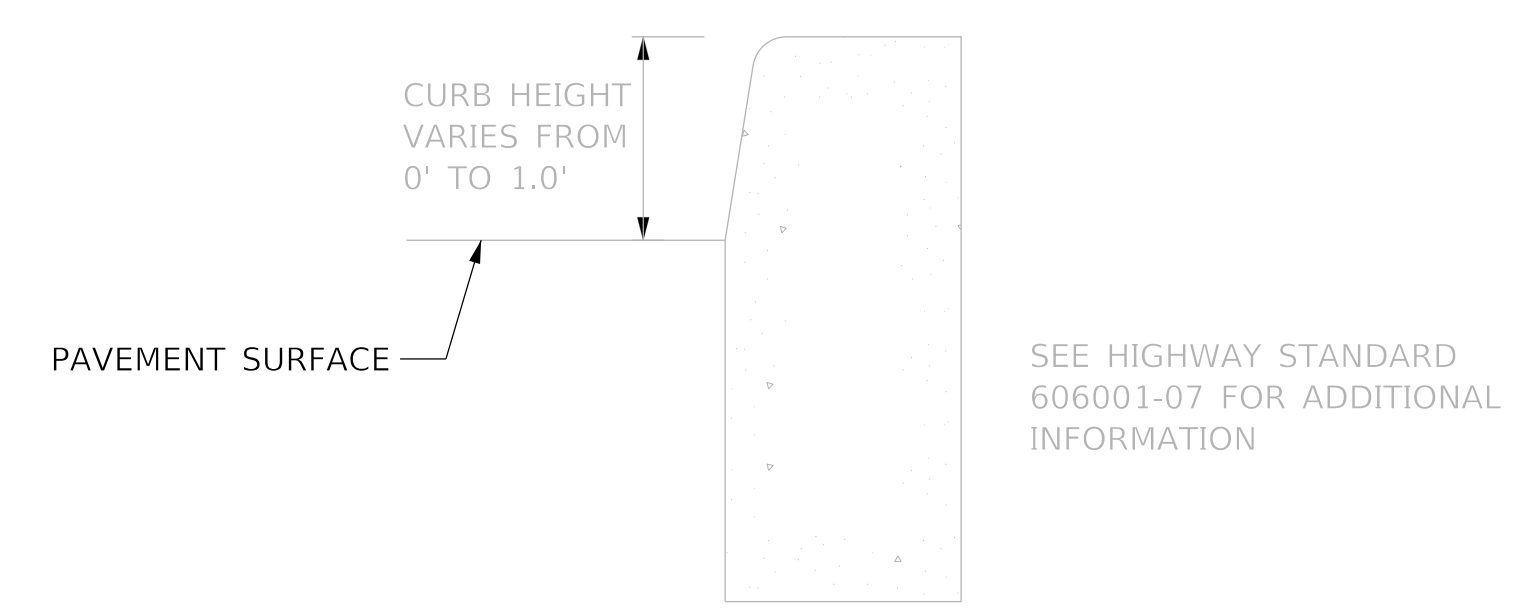
TRANSITION FROM TYPE B CURB TO B-6.12 CURB AND GUTTER AT INTERSECTION CORNER



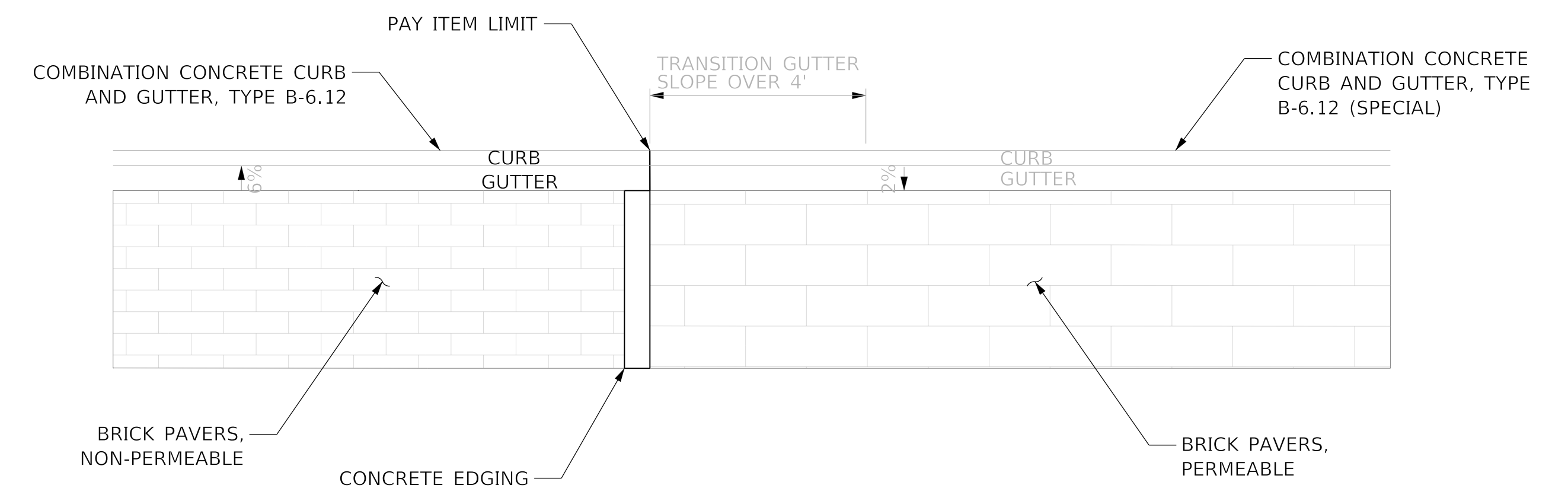
TRANSITION FROM PROPOSED CURB OR CURB AND GUTTER TO EXISTING CURB AT PROJECT LIMITS



PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)



CONCRETE CURB, TYPE B (SPECIAL)



GUTTER SLOPE TRANSITION

GUTTER SLOPE TRANSITIONS  
PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)

	ROADWAY	START STATION	END STATION	LT/RT	START VALUE	END VALUE
GUTTER SLOPE	WESTERN	313+70.60	313+74.60	LT	6.00%	-2.00%
GUTTER SLOPE	WESTERN	319+35.40	319+39.40	LT	-2.00%	6.00%
GUTTER SLOPE	WESTERN	319+35.40	320+39.40	LT	6.00%	-2.00%
GUTTER SLOPE	WESTERN	320+36.73	320+40.73	LT	6.00%	-2.00%
GUTTER SLOPE	WESTERN	325+82.51	325+86.51	LT	-2.00%	6.00%
GUTTER SLOPE	WESTERN	327+09.34	327+13.34	LT	-2.00%	6.00%
GUTTER SLOPE	WESTERN	329+33.34	329+37.34	LT	-2.00%	6.00%
GUTTER SLOPE	WESTERN	330+46.44	330+50.44	LT	6.00%	-2.00%
GUTTER SLOPE	WESTERN	334+04.42	334+08.42	LT	6.00%	-2.00%
GUTTER SLOPE	WESTERN	336+01.14	336+05.14	LT	-2.00%	6.00%
GUTTER SLOPE	WESTERN	337+08.81	337+12.81	LT	6.00%	-2.00%
GUTTER SLOPE	WESTERN	340+43.36	340+47.36	LT	6.00%	-2.00%
GUTTER SLOPE	WESTERN	342+68.36	342+72.36	LT	-2.00%	6.00%
GUTTER SLOPE	WESTERN	343+80.76	343+84.76	LT	6.00%	-2.00%
GUTTER SLOPE	WESTERN	346+03.17	346+07.17	LT	-2.00%	6.00%
GUTTER SLOPE	WESTERN	347+10.64	347+14.64	LT	6.00%	-2.00%
GUTTER SLOPE	WESTERN	349+49.24	349+53.24	LT	-2.00%	6.00%
GUTTER SLOPE	WESTERN	311+75.64	311+79.64	RT	-6.00%	2.00%
GUTTER SLOPE	WESTERN	314+95.50	314+99.50	RT	2.00%	-6.00%
GUTTER SLOPE	WESTERN	316+63.89	316+67.89	RT	-6.00%	2.00%
GUTTER SLOPE	WESTERN	319+64.10	319+68.11	RT	2.00%	-6.00%
GUTTER SLOPE	WESTERN	320+76.06	320+80.06	RT	-6.00%	2.00%
GUTTER SLOPE	WESTERN	322+99.23	323+03.23	RT	2.00%	-6.00%
GUTTER SLOPE	WESTERN	324+06.08	324+10.08	RT	-6.00%	2.00%
GUTTER SLOPE	WESTERN	326+16.37	326+20.37	RT	2.00%	-6.00%
GUTTER SLOPE	WESTERN	326+19.37	326+15.37	RT	2.00%	-6.00%
GUTTER SLOPE	WESTERN	327+54.46	327+59.46	RT	-6.00%	2.00%
GUTTER SLOPE	WESTERN	327+60.46	327+64.46	RT	-6.00%	2.00%
GUTTER SLOPE	WESTERN	332+72.00	332+76.00	RT	2.00%	-6.00%
GUTTER SLOPE	WESTERN	334+23.44	334+27.44	RT	-6.00%	2.00%
GUTTER SLOPE	WESTERN	339+50.20	339+54.20	RT	2.00%	-6.00%
GUTTER SLOPE	WESTERN	339+50.20	339+54.20	RT	-2.00%	6.00%
GUTTER SLOPE	WESTERN	340+68.74	340+72.74	RT	-6.00%	2.00%
GUTTER SLOPE	WESTERN	340+68.74	339+72.74	RT	6.00%	-2.00%
GUTTER SLOPE	WESTERN	345+69.05	345+73.05	RT	2.00%	-6.00%
GUTTER SLOPE	WESTERN	346+97.14	347+01.14	RT	-6.00%	2.00%
GUTTER SLOPE	WESTERN	350+02.35	350+06.35	RT	2.00%	-6.00%

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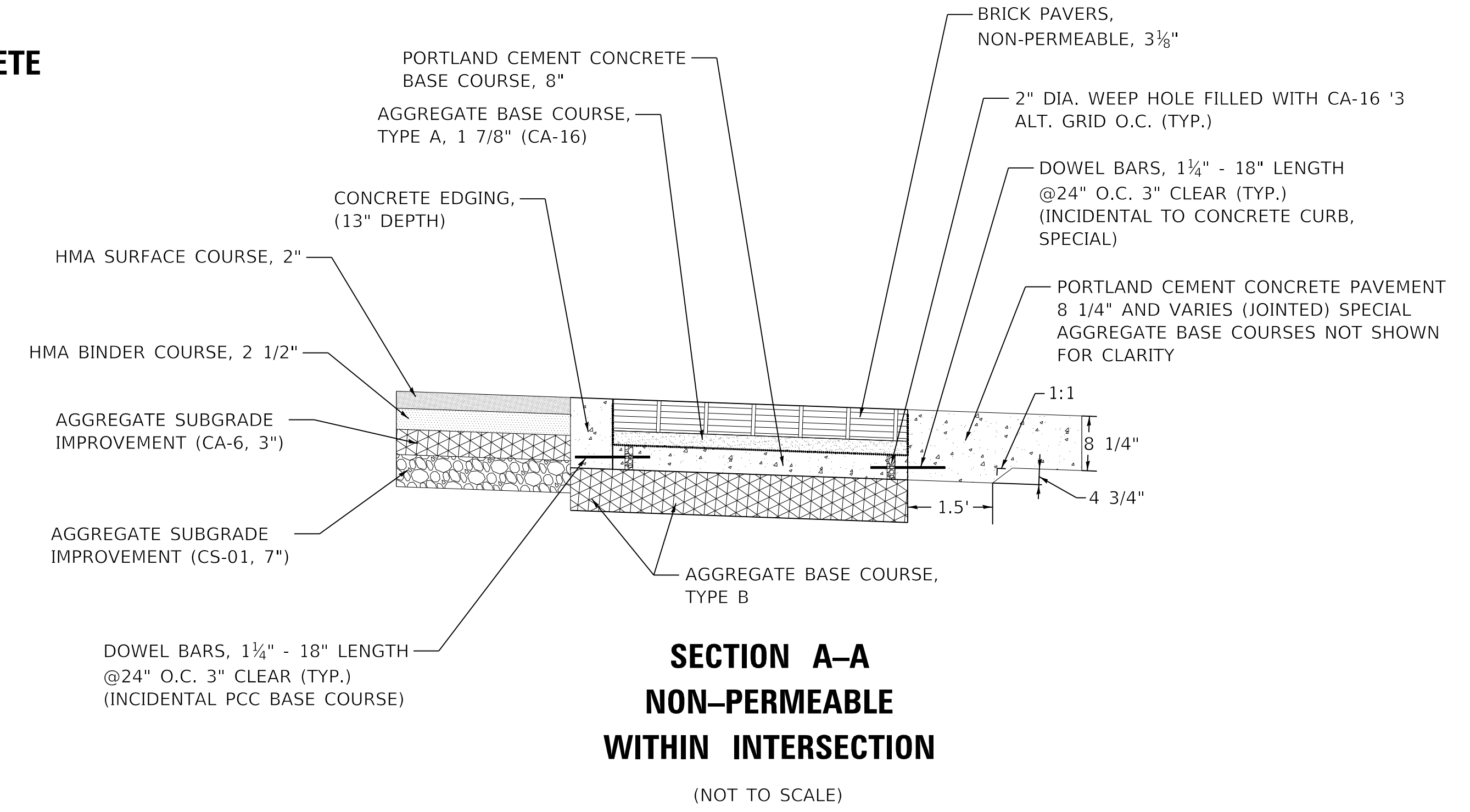
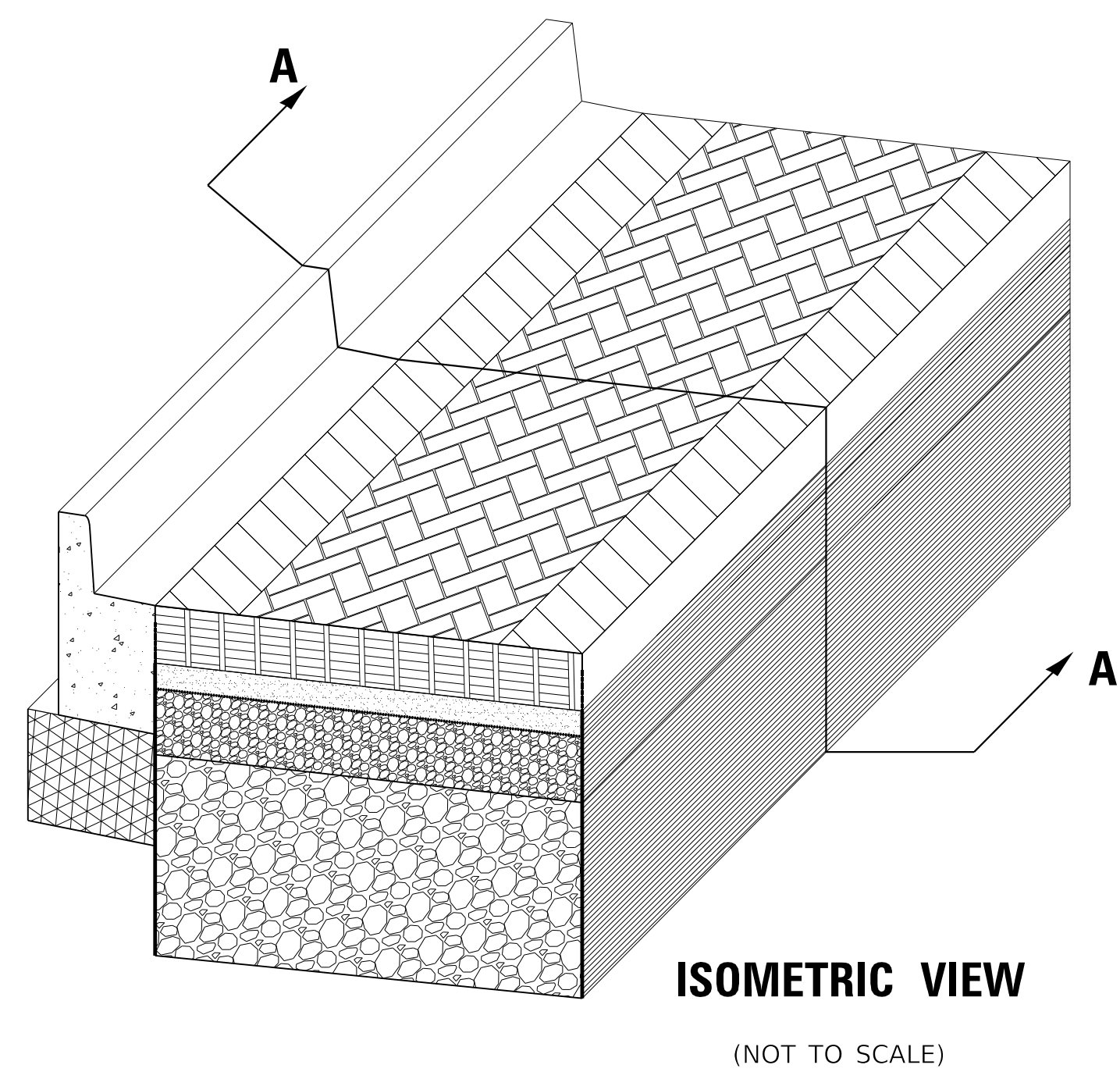
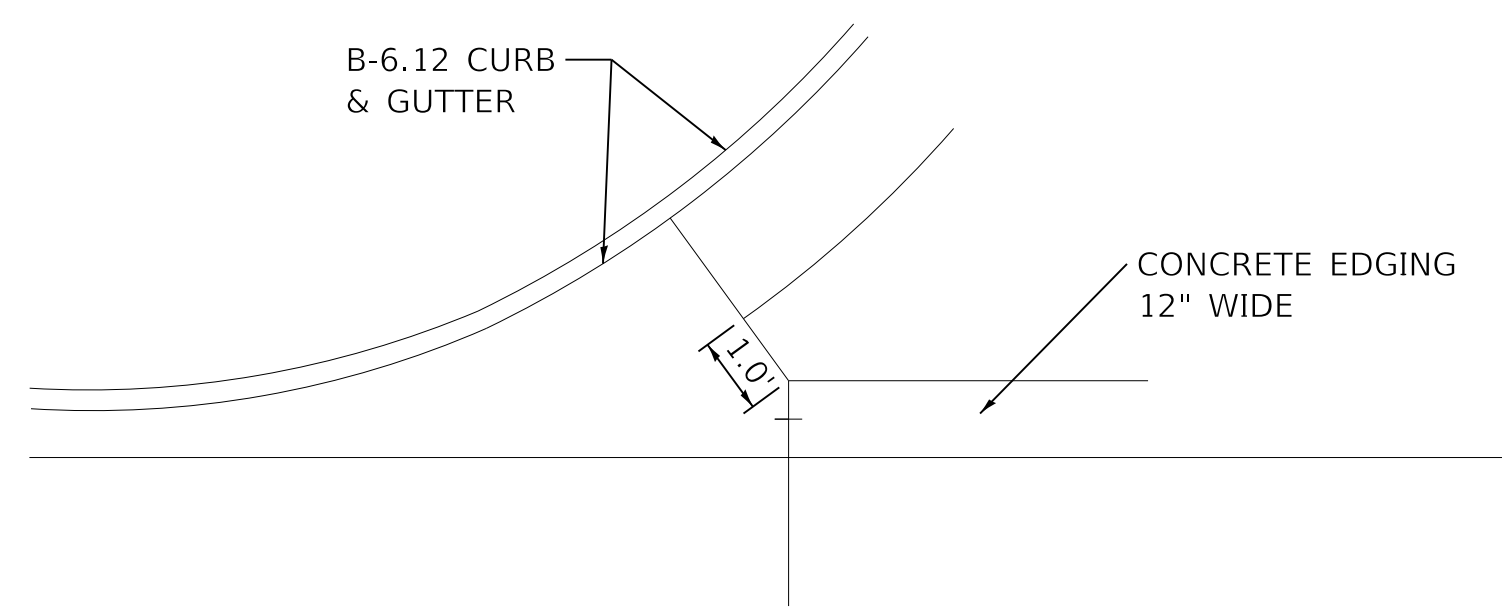
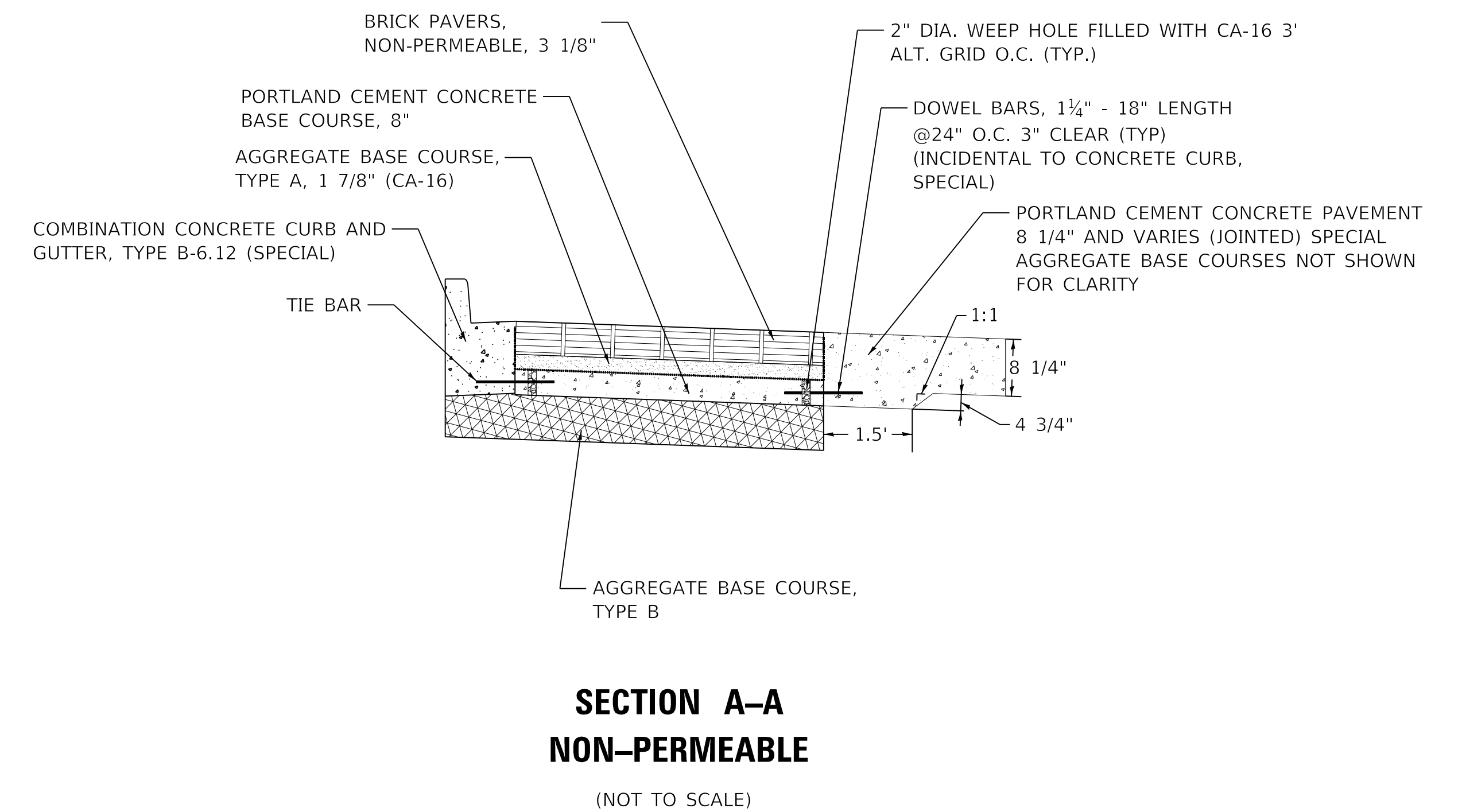
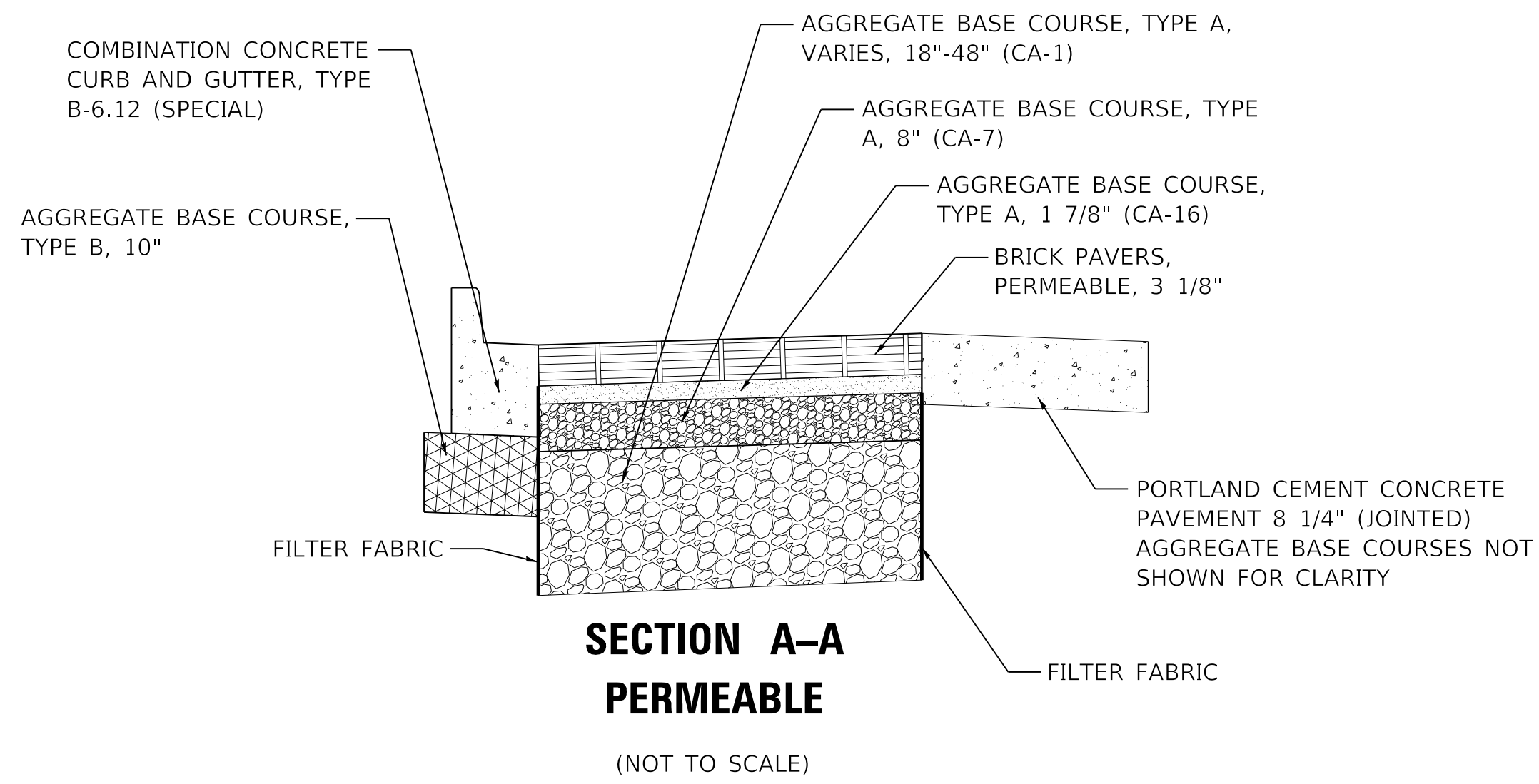
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS  
CURB AND GUTTER**

SCALE: 1"=100" SHEET 5 OF 17 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	354
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS		FED. AID PROJECT		



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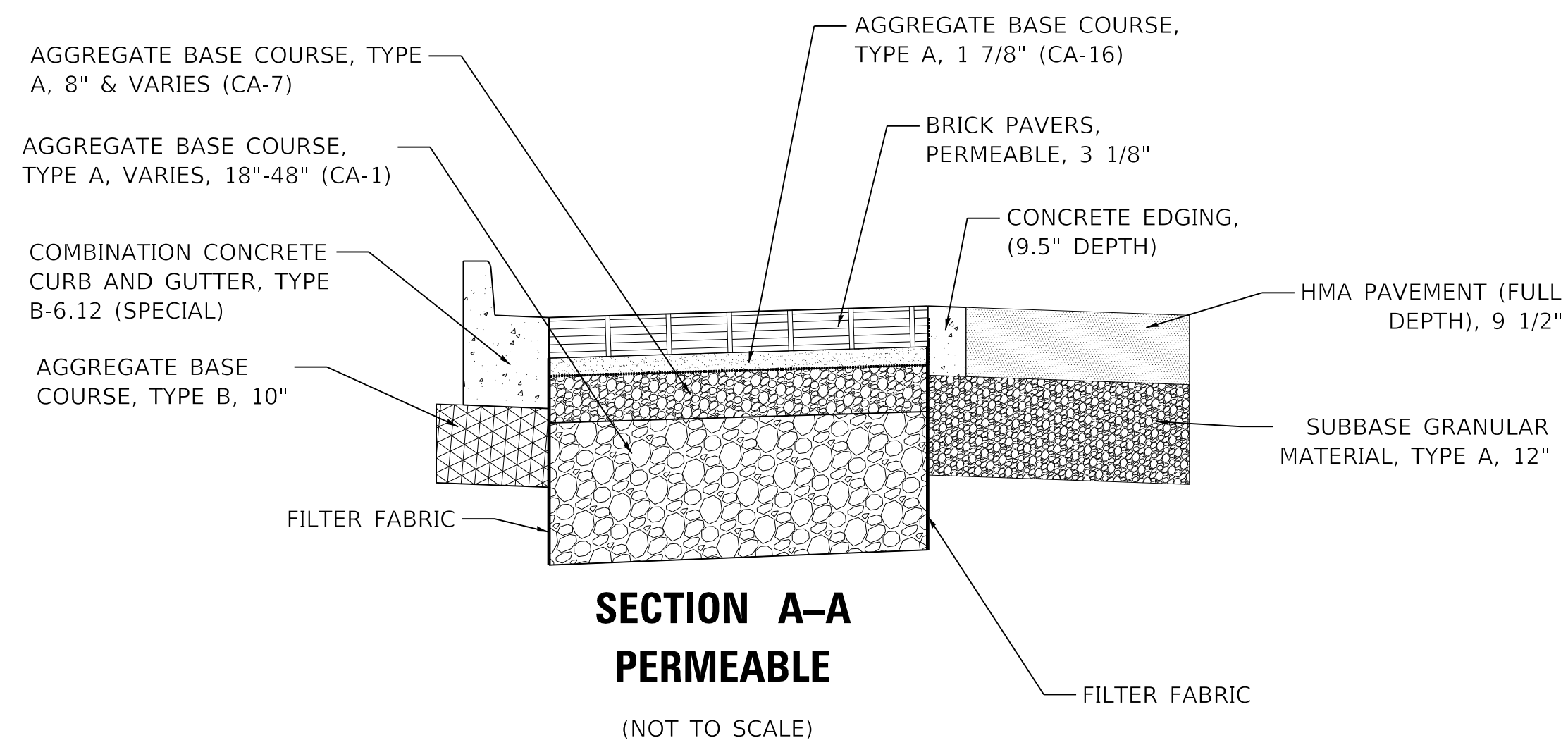


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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

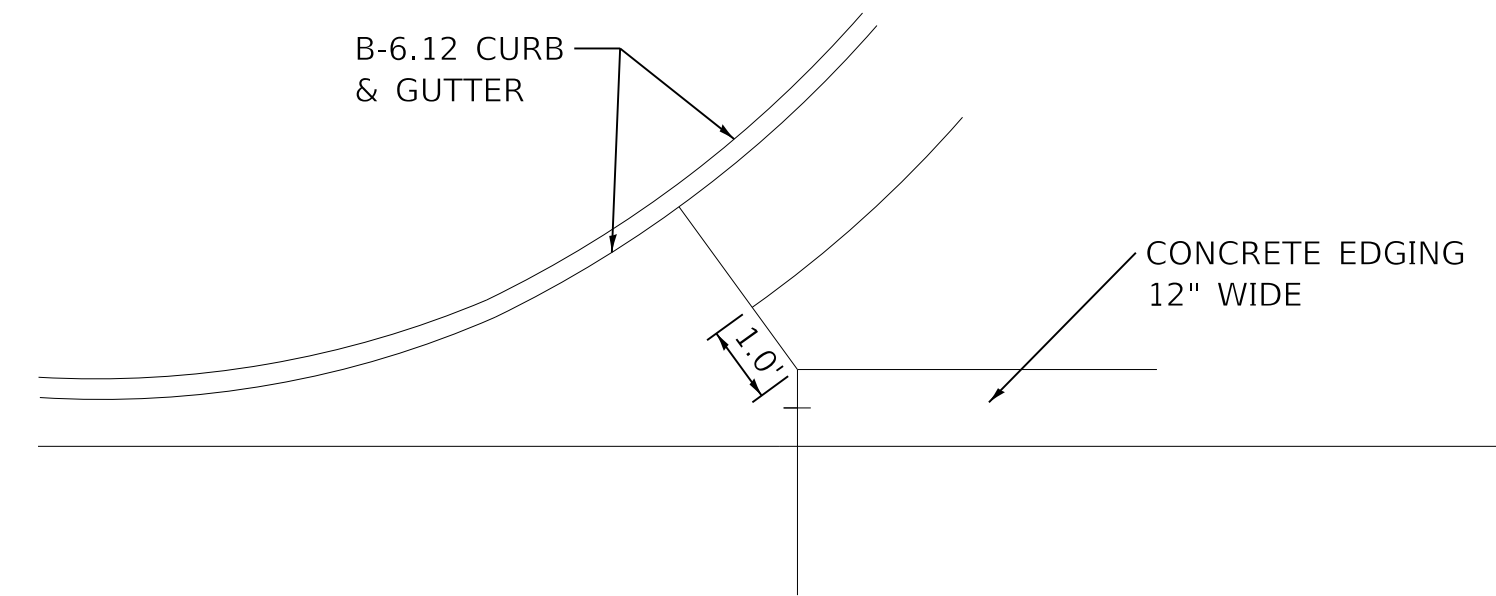
<b>DETAILS</b>			
<b>BRICK PAVERS - ALTERNATE A</b>			
SCALE: 1"=5'	SHEET 6	OF 17 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	355
WESTERN AVE RECONSTRUCTION			CONTRACT NO. 89766	
ILLINOIS		FED. AID PROJECT		



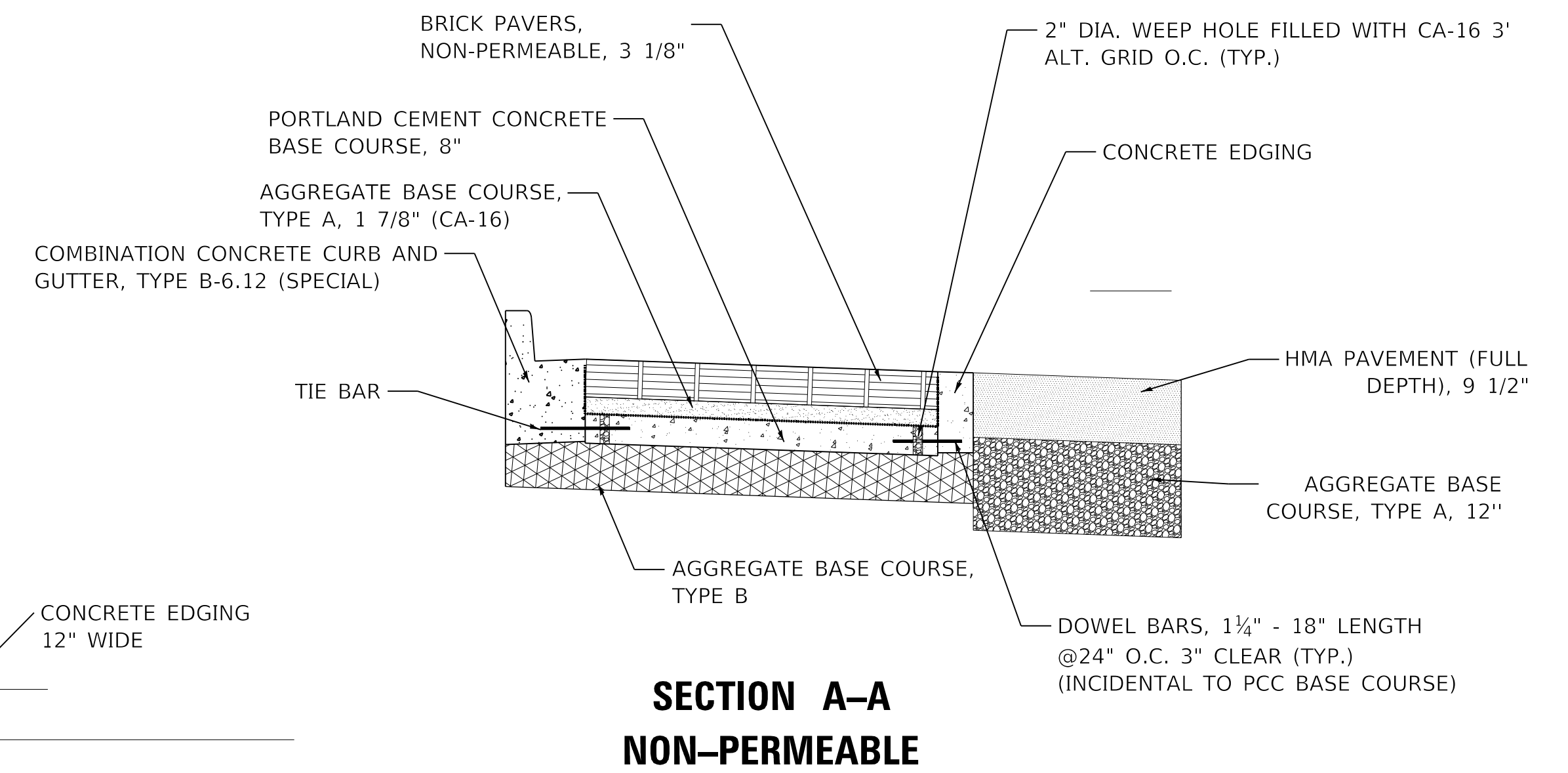
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PERMEABLE**

(NOT TO SCALE)

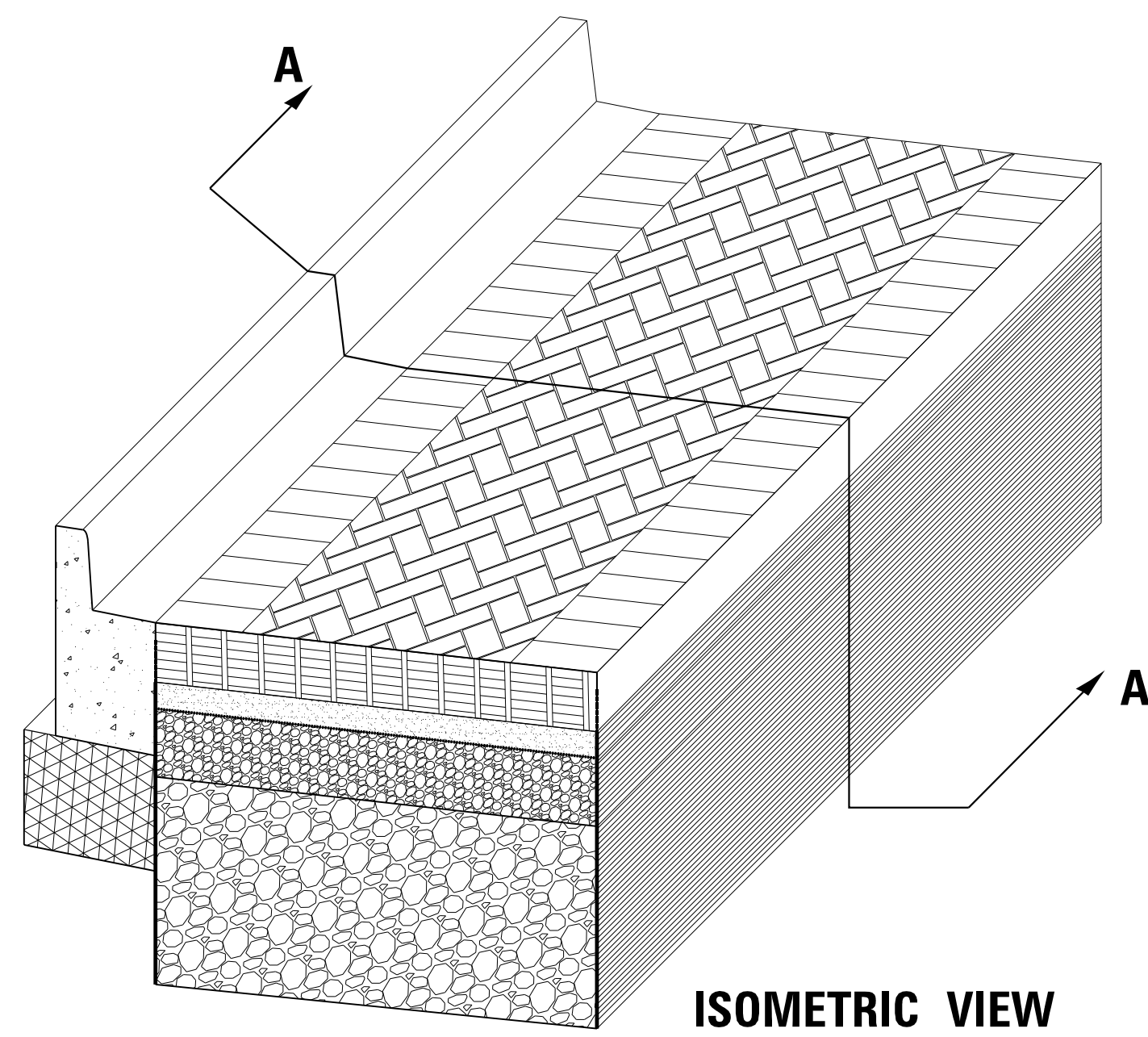


**INTERSECTION CURB AND CONCRETE  
EDGING TRANSITION DETAIL**

(NOT TO SCALE)

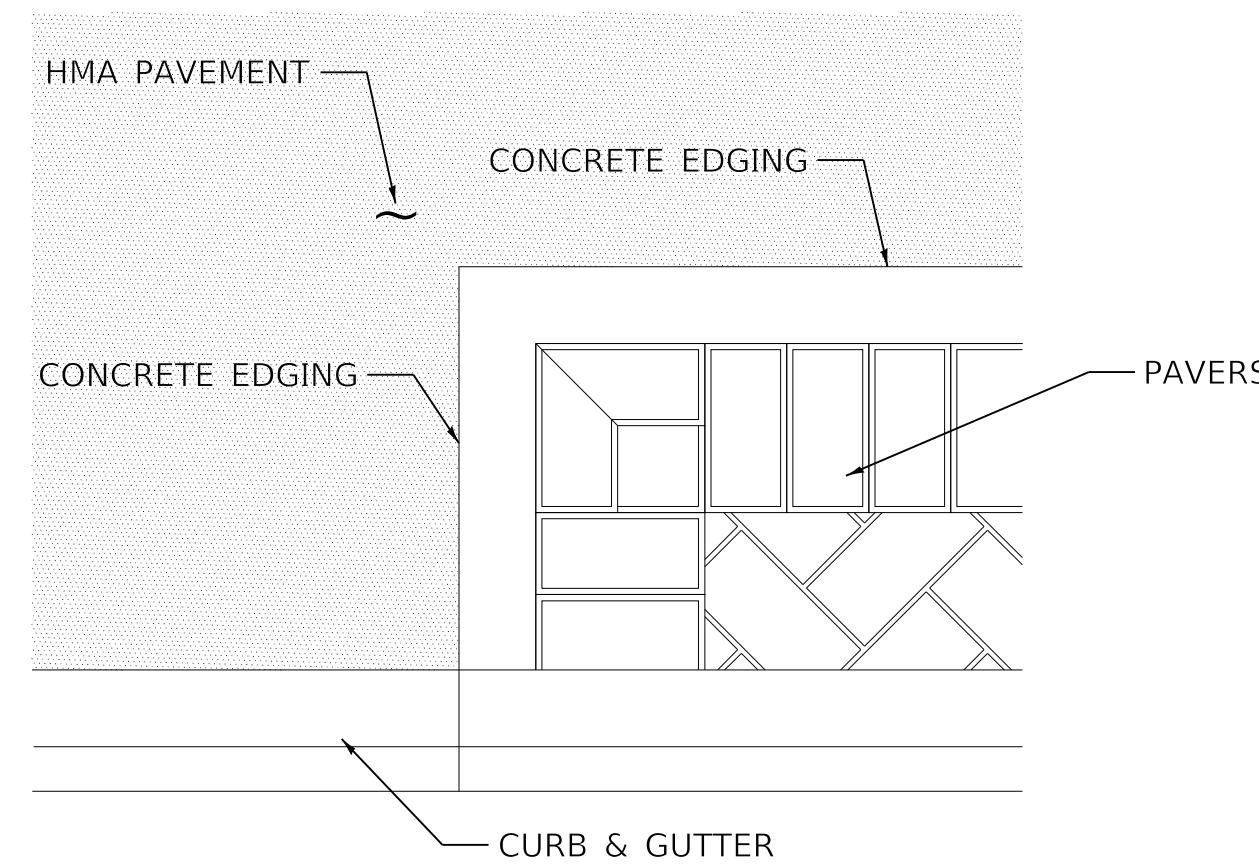


**SECTION A-A  
NON-PERMEABLE**



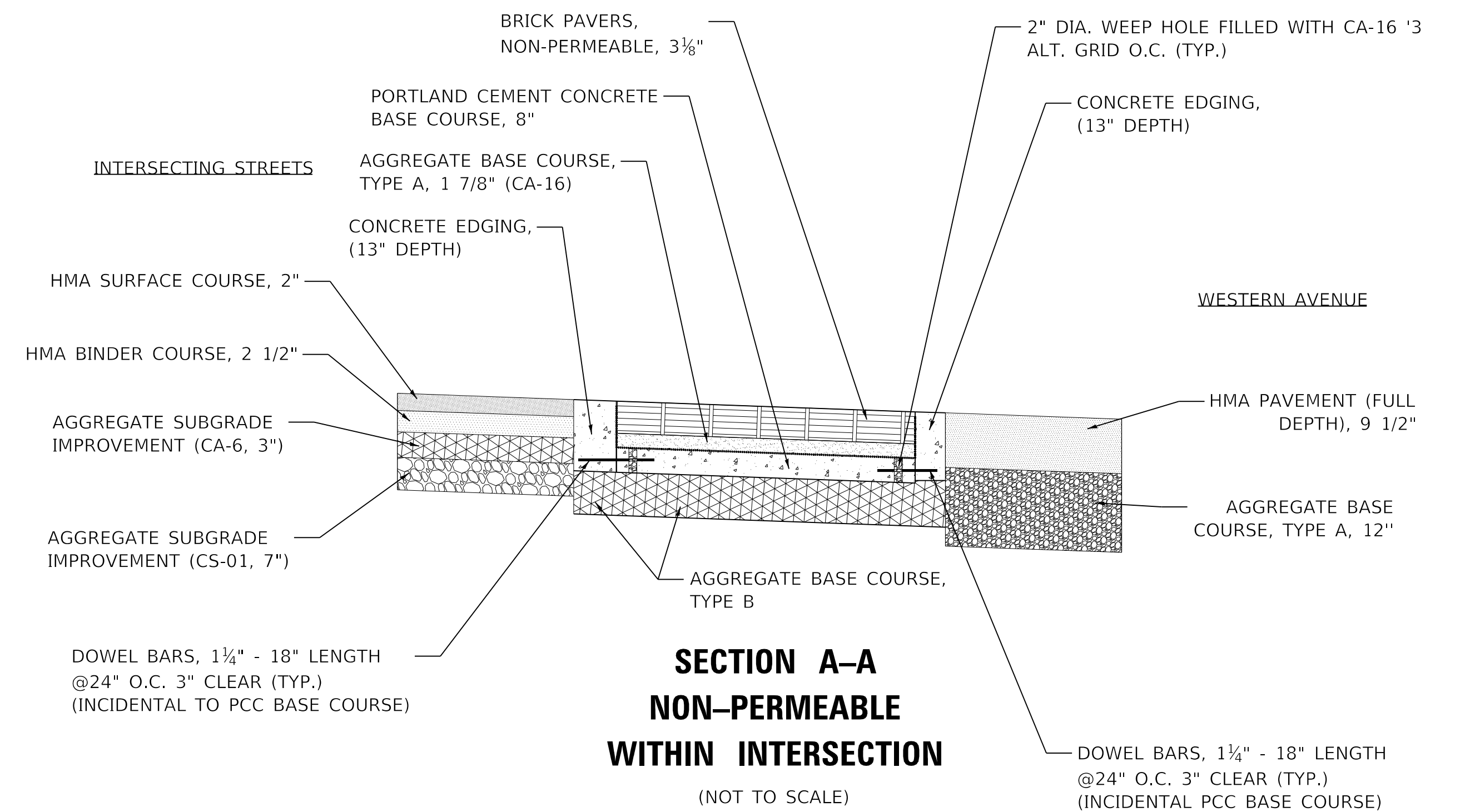
**ISOMETRIC VIEW**

(NOT TO SCALE)



**ALTERNATE B PAVERS TERMINUS**

(NOT TO SCALE)



**SECTION A-A  
NON-PERMEABLE  
WITHIN INTERSECTION**

(NOT TO SCALE)

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DATE - 8/3/2020

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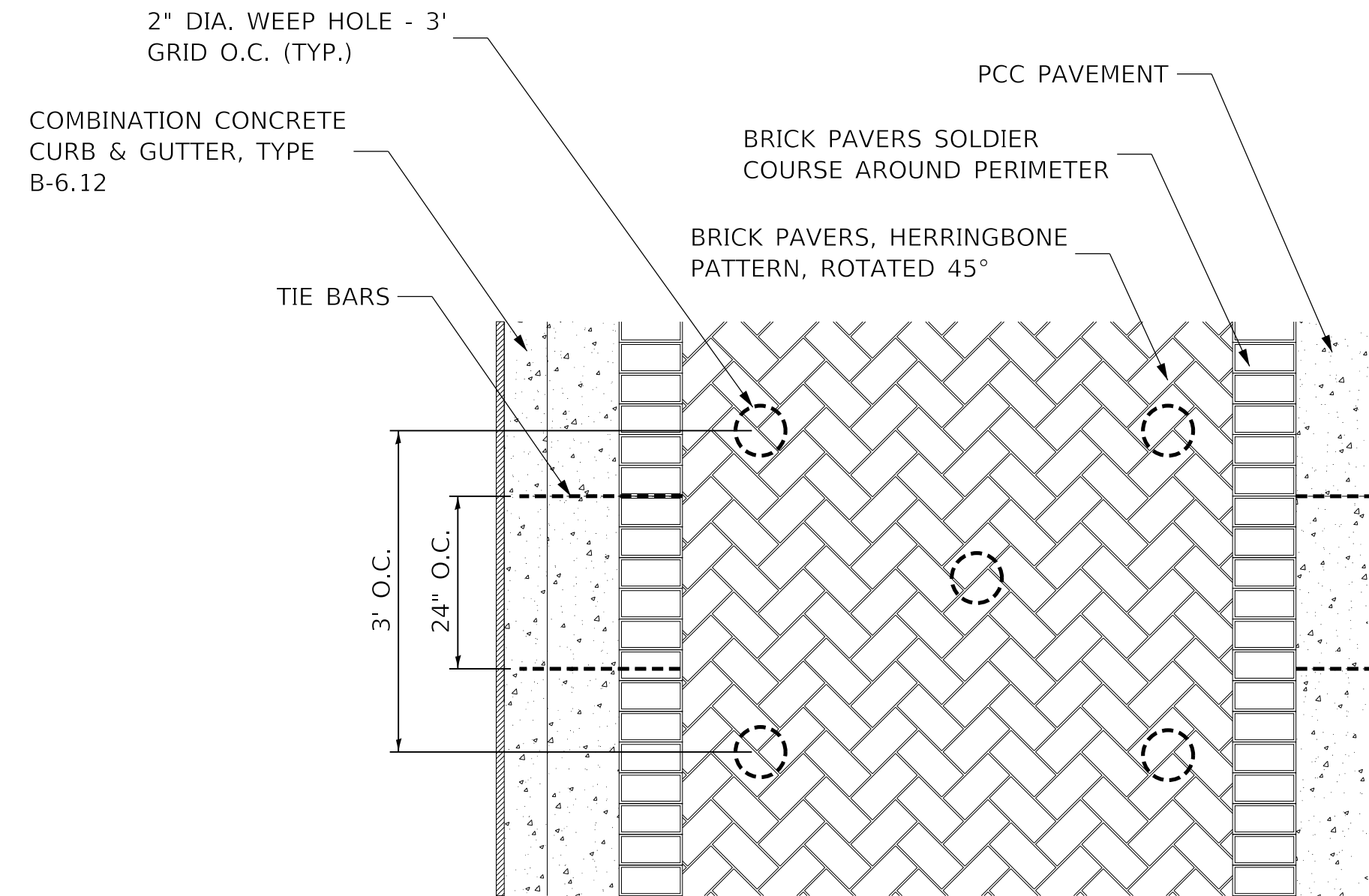
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS  
BRICK PAVERS - ALTERNATE B**

SCALE: NTS SHEET 7 OF 17 SHEETS STA. TO STA.

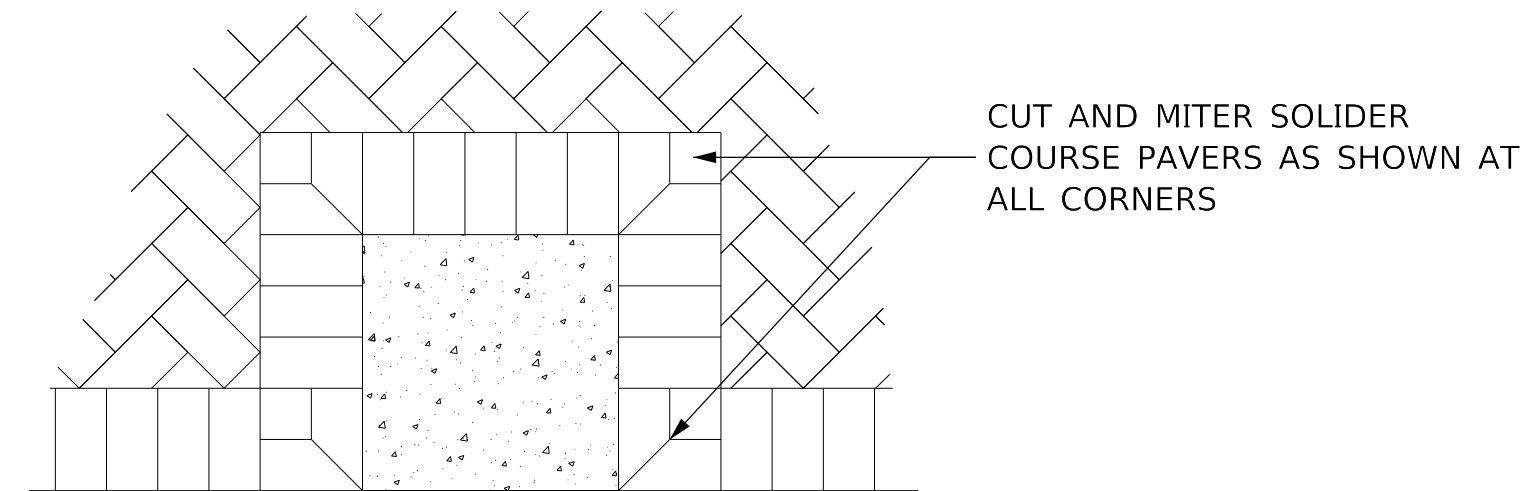
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WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		





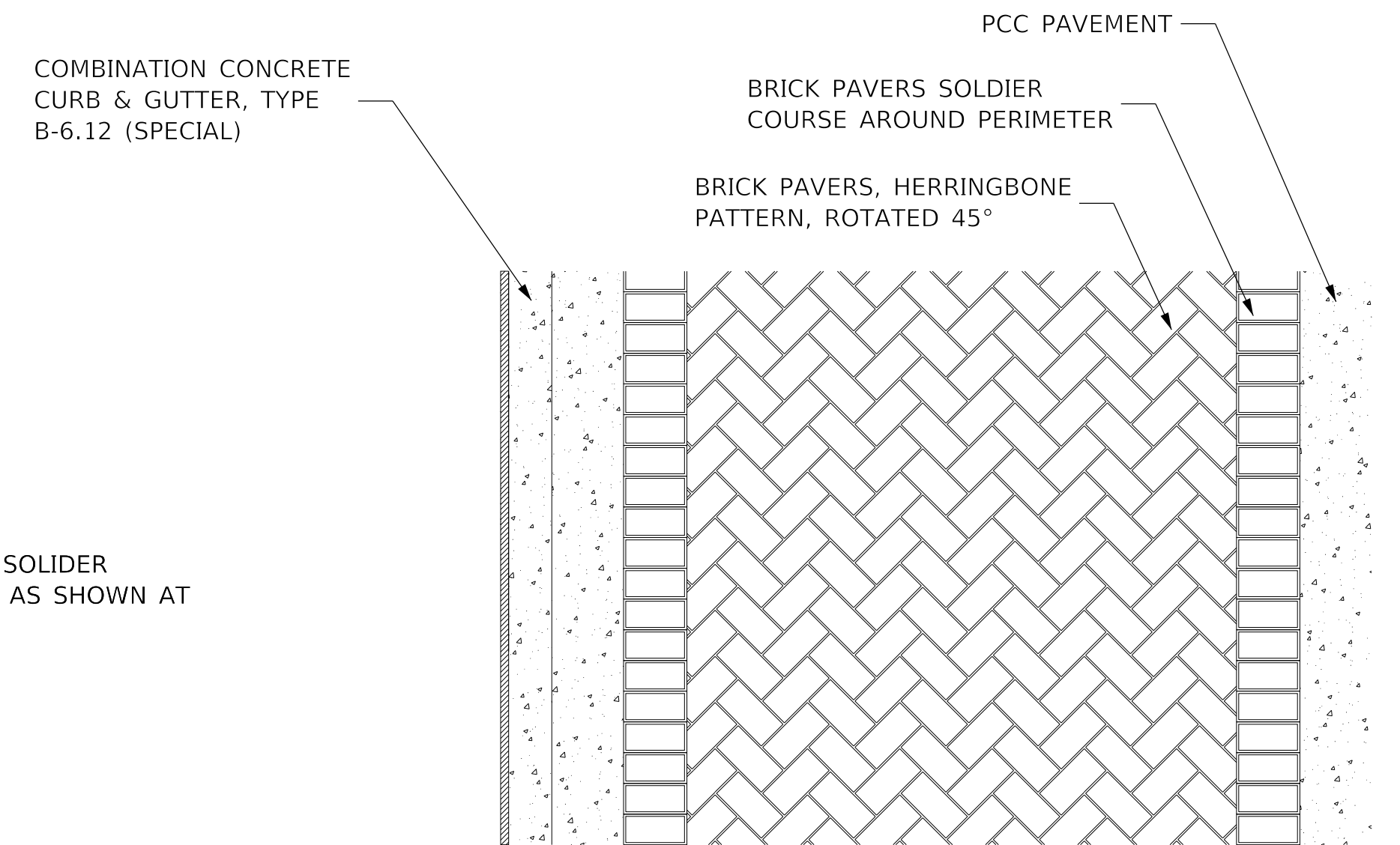
**BRICK PAVERS PATTERN  
NON PERMEABLE  
ALTERNATE A (PCC)  
(SURFACE VIEW)**

(NOT TO SCALE)



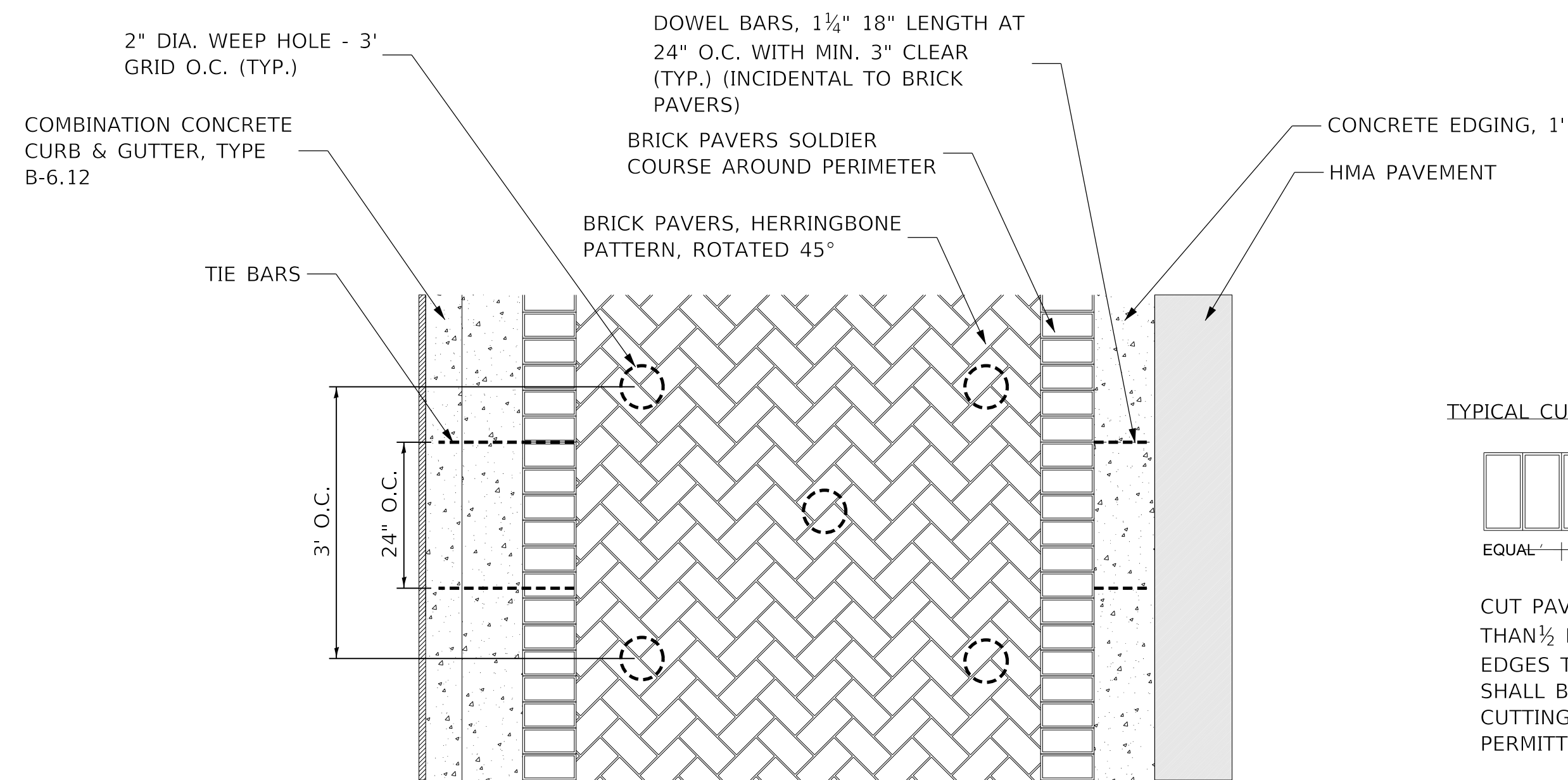
**BRICK PAVERS PATTERN  
CORNER DETAIL  
(SURFACE VIEW)**

(NOT TO SCALE)



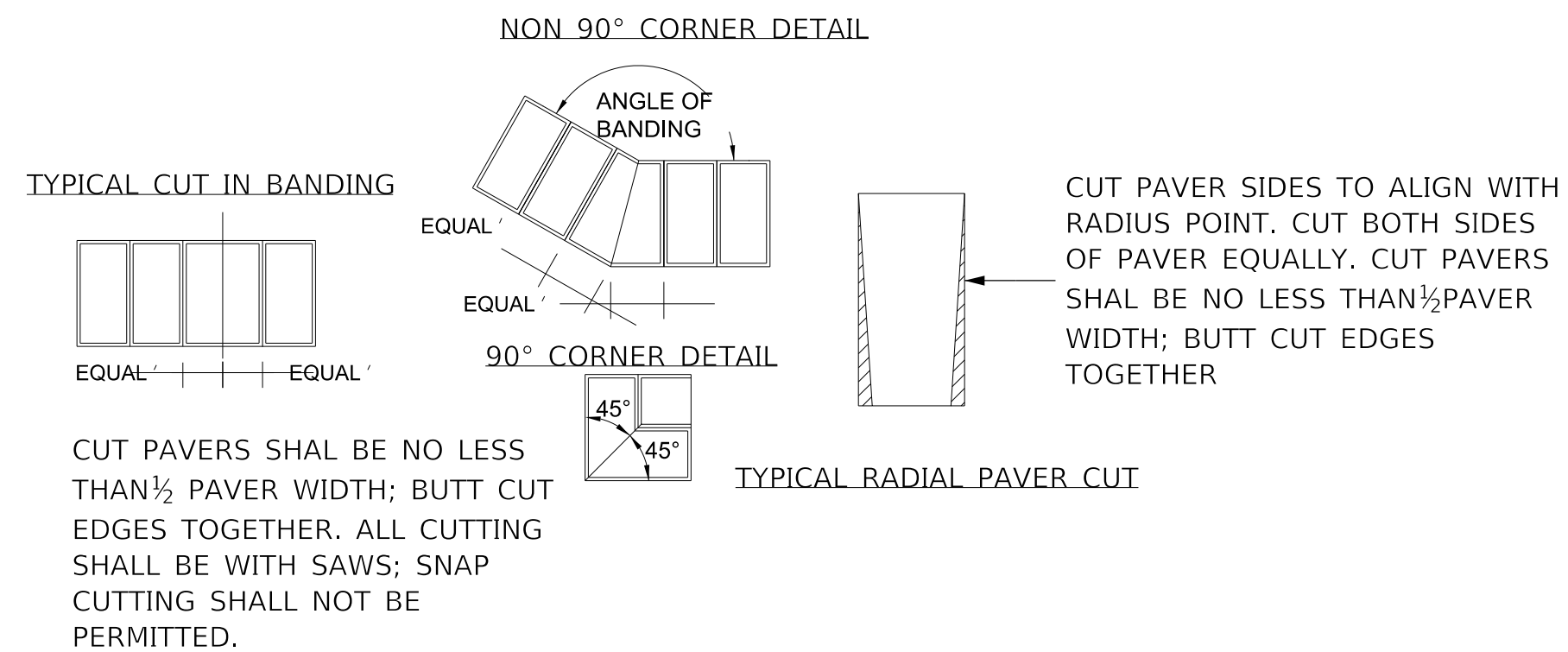
**BRICK PAVERS PATTERN  
PERMEABLE  
ALTERNATE A (PCC)  
(SURFACE VIEW)**

(NOT TO SCALE)



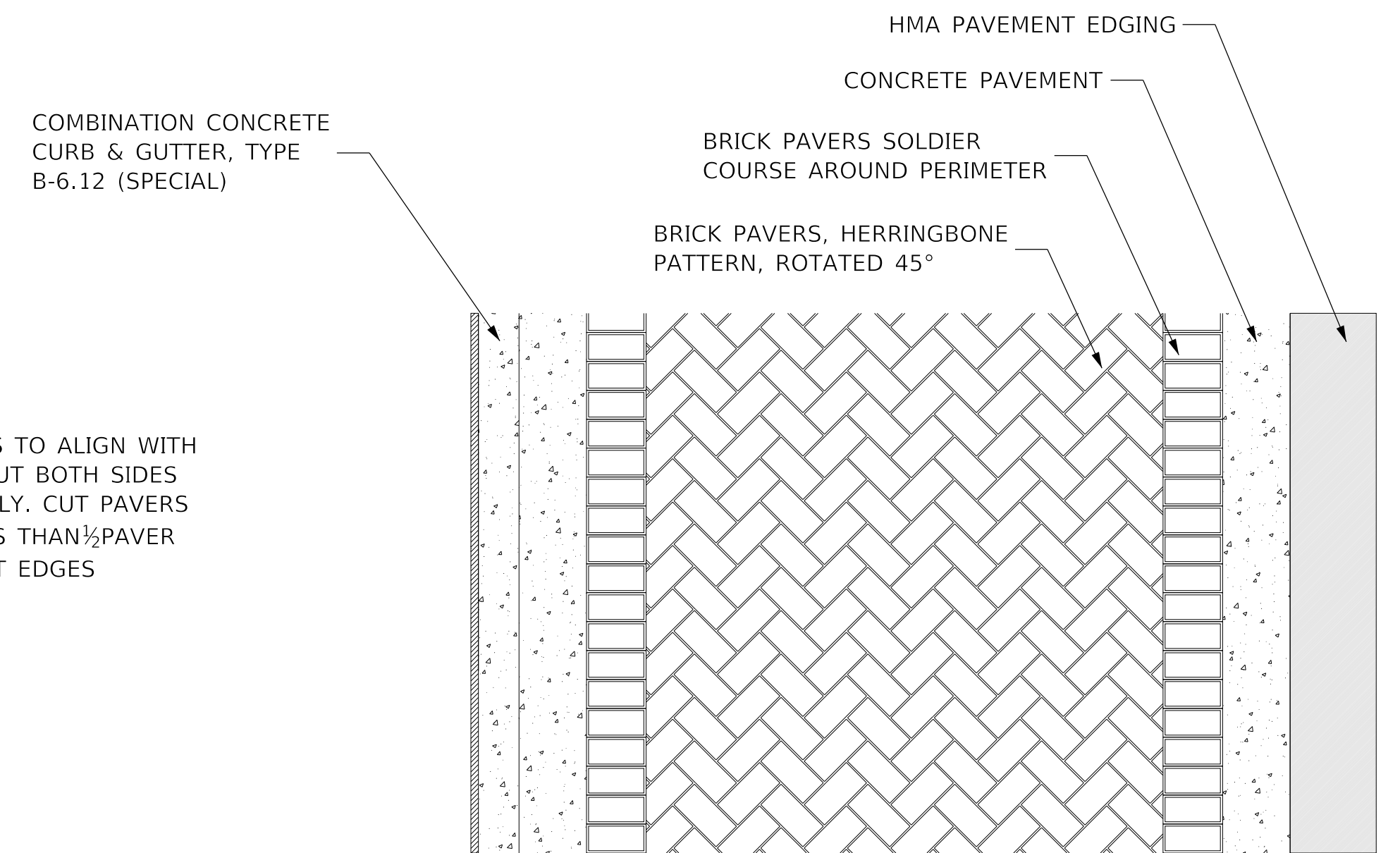
**BRICK PAVERS PATTERN  
NON PERMEABLE  
ALTERNATE B (HMA)  
(SURFACE VIEW)**

(NOT TO SCALE)



**BRICK PAVERS  
TYPICAL PAVER CUTS  
DETAIL  
(SURFACE VIEW)**

(NOT TO SCALE)



**BRICK PAVERS PATTERN  
PERMEABLE  
ALTERNATE B (HMA)  
(SURFACE VIEW)**

(NOT TO SCALE)

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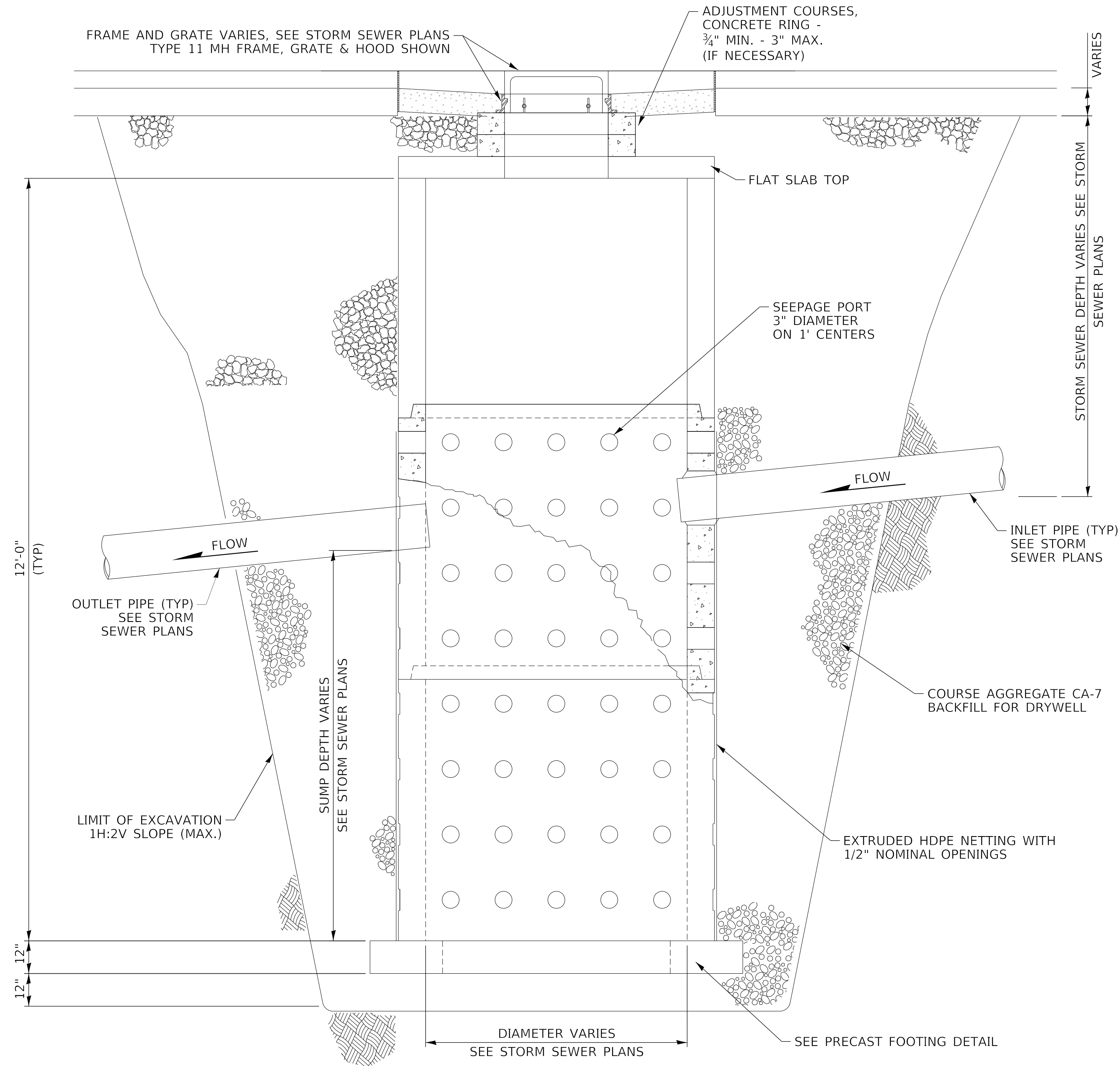
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

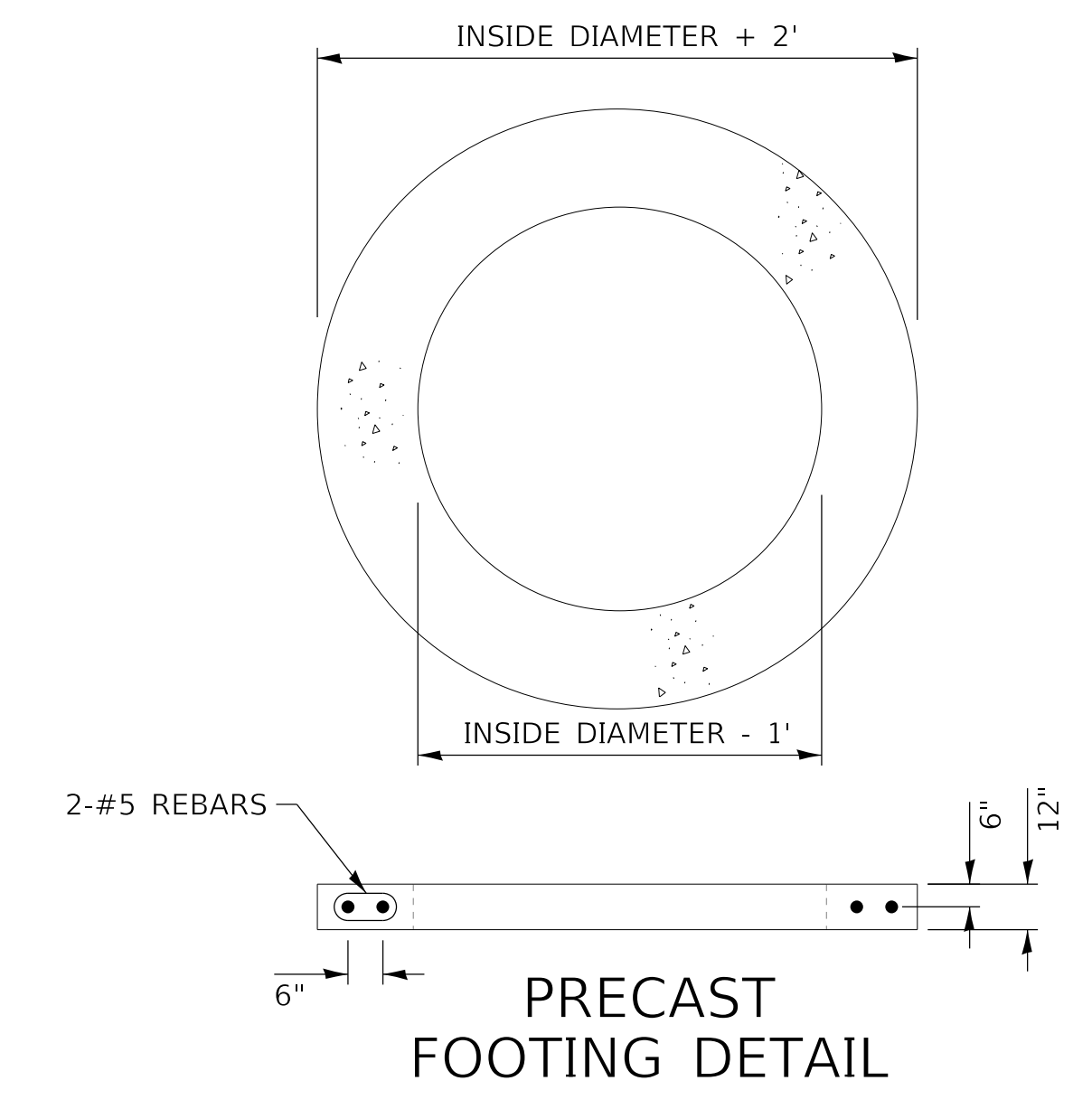
**DETAILS  
BRICK PAVERS**

SCALE: NTS SHEET 8 OF 17 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	357
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS		FED. AID PROJECT		



**DRYWELL, VARIOUS DIAMETERS**



**PRECAST FOOTING DETAIL**

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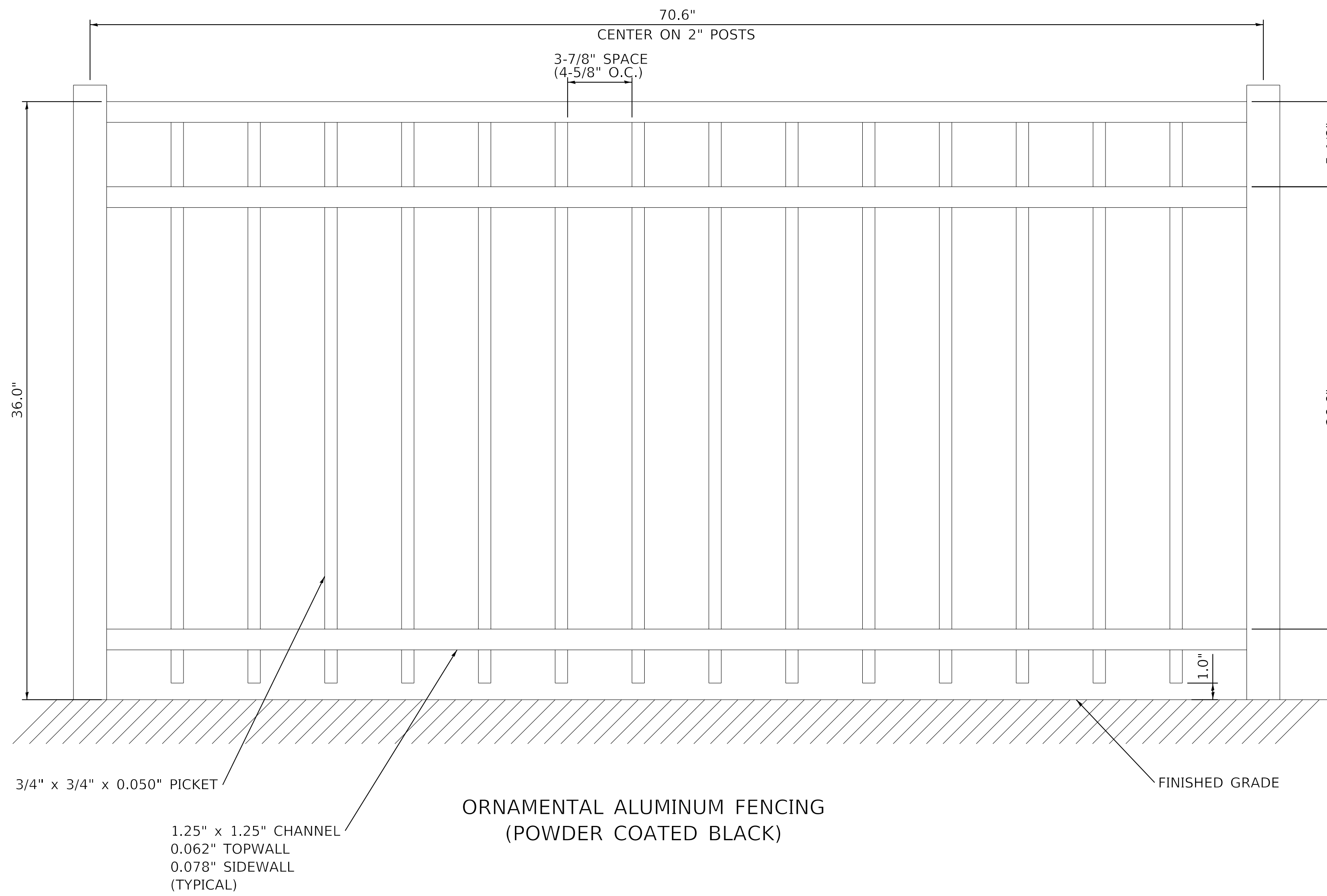


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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: NTS		SHEET 9 OF 17 SHEETS		STA. TO STA.		<b>DETAILS</b>	
						<b>DRYWELL</b>	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	358
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS FED. AID PROJECT				



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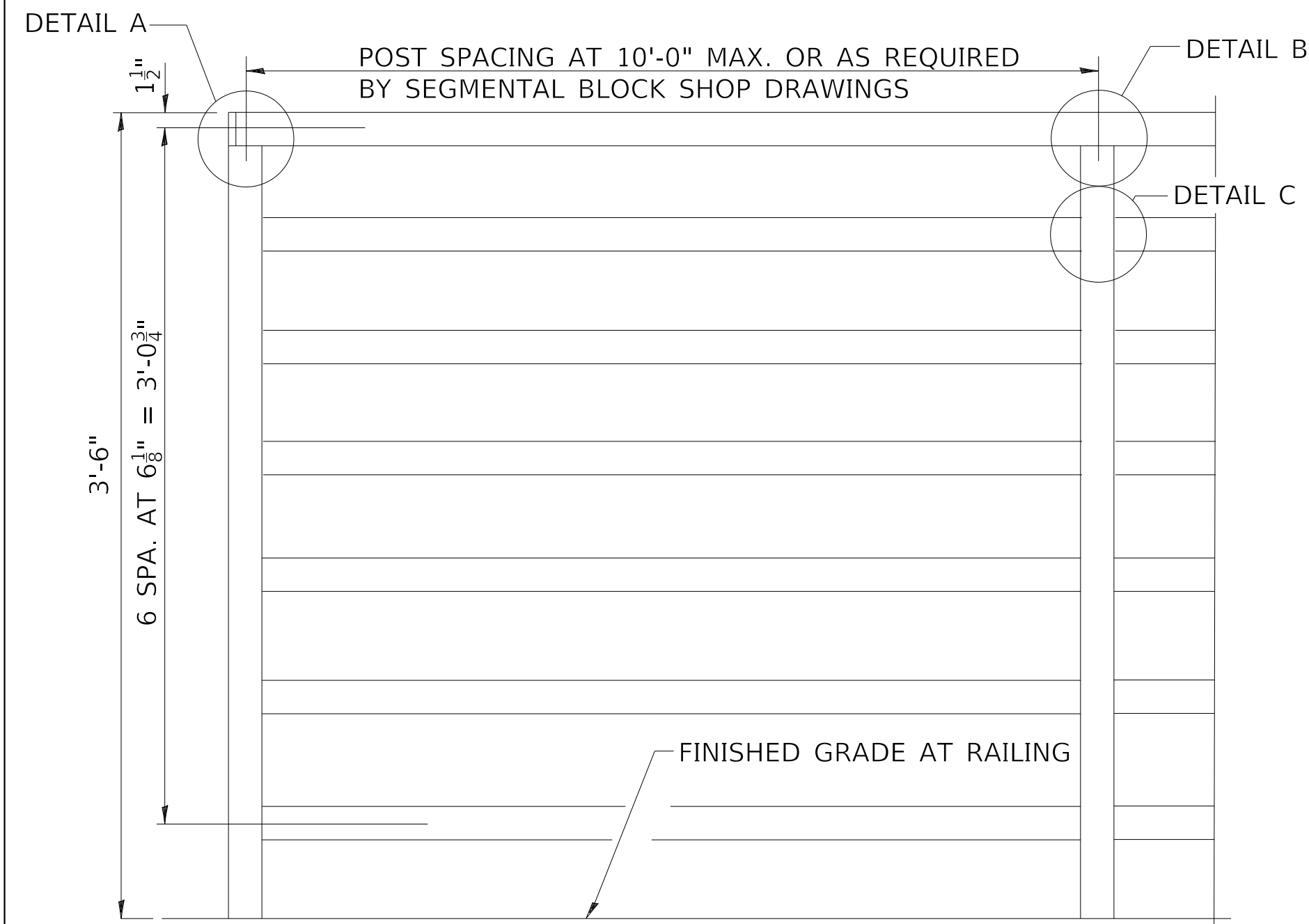
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

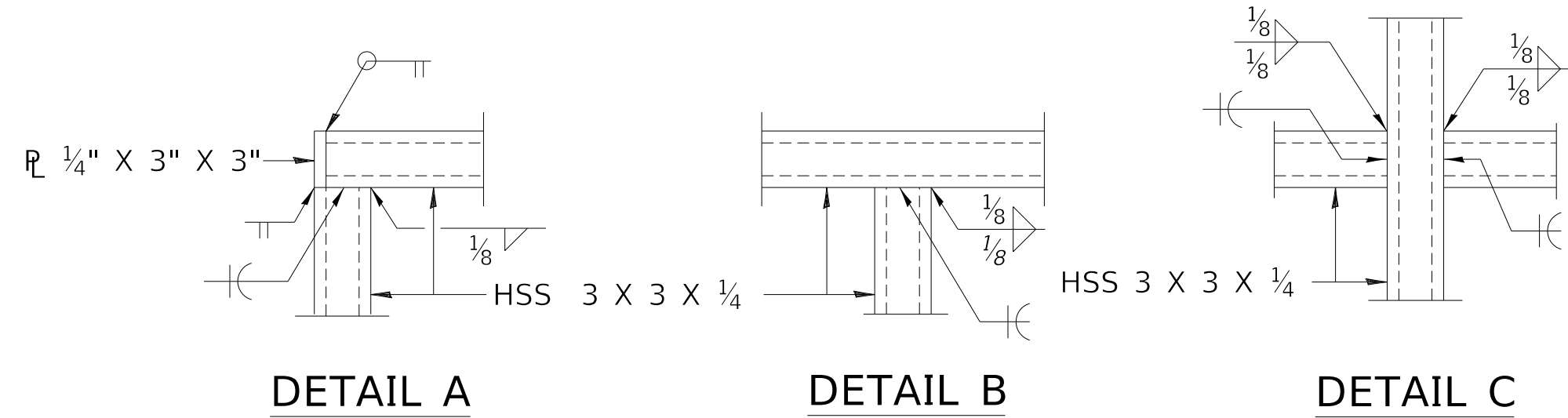
**DETAILS  
FENCE**

SCALE: NTS SHEET 10 OF 17 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	359
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS FED. AID PROJECT				



**RAILING**



**DETAIL A**

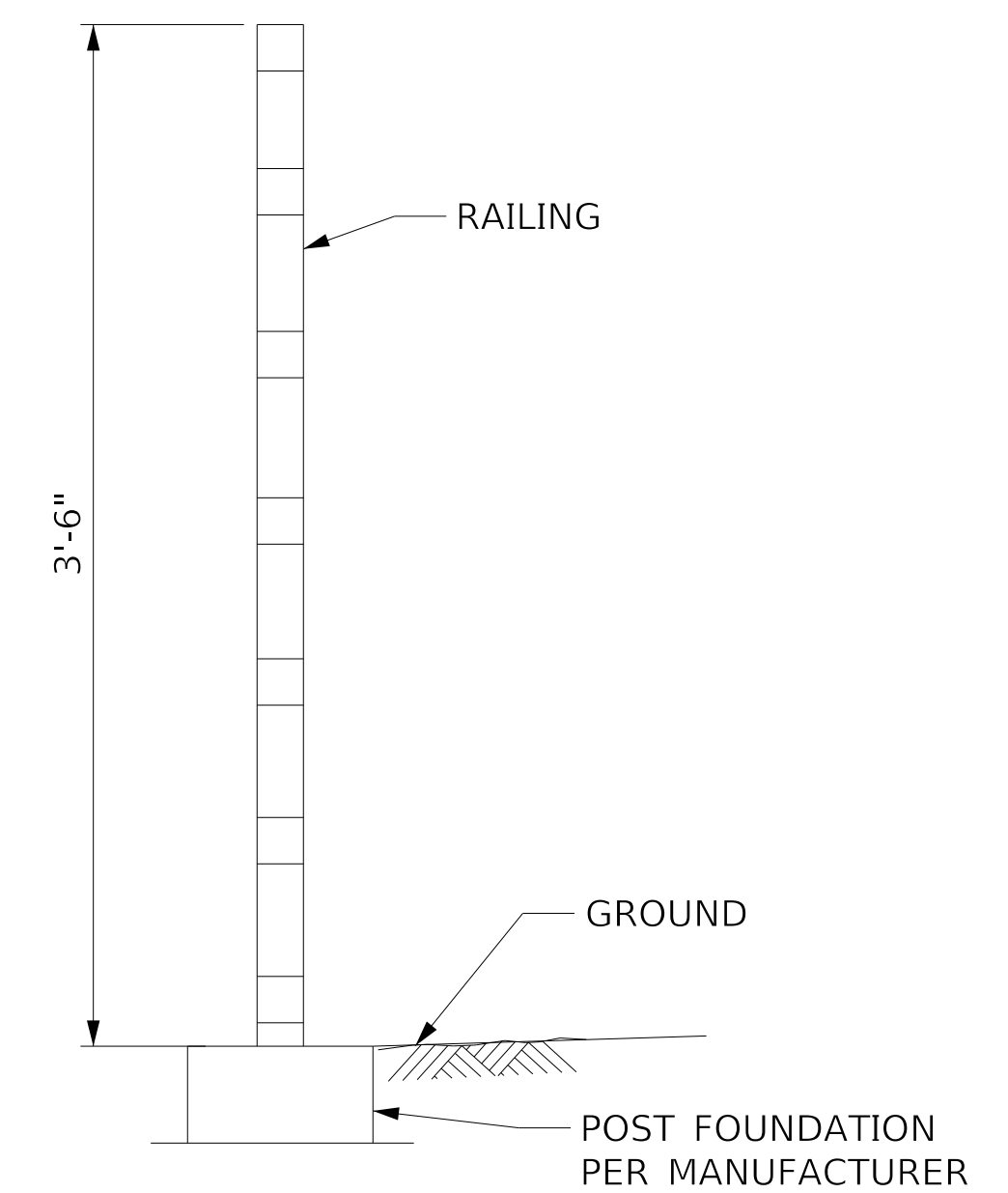
**DETAIL B**

**DETAIL C**

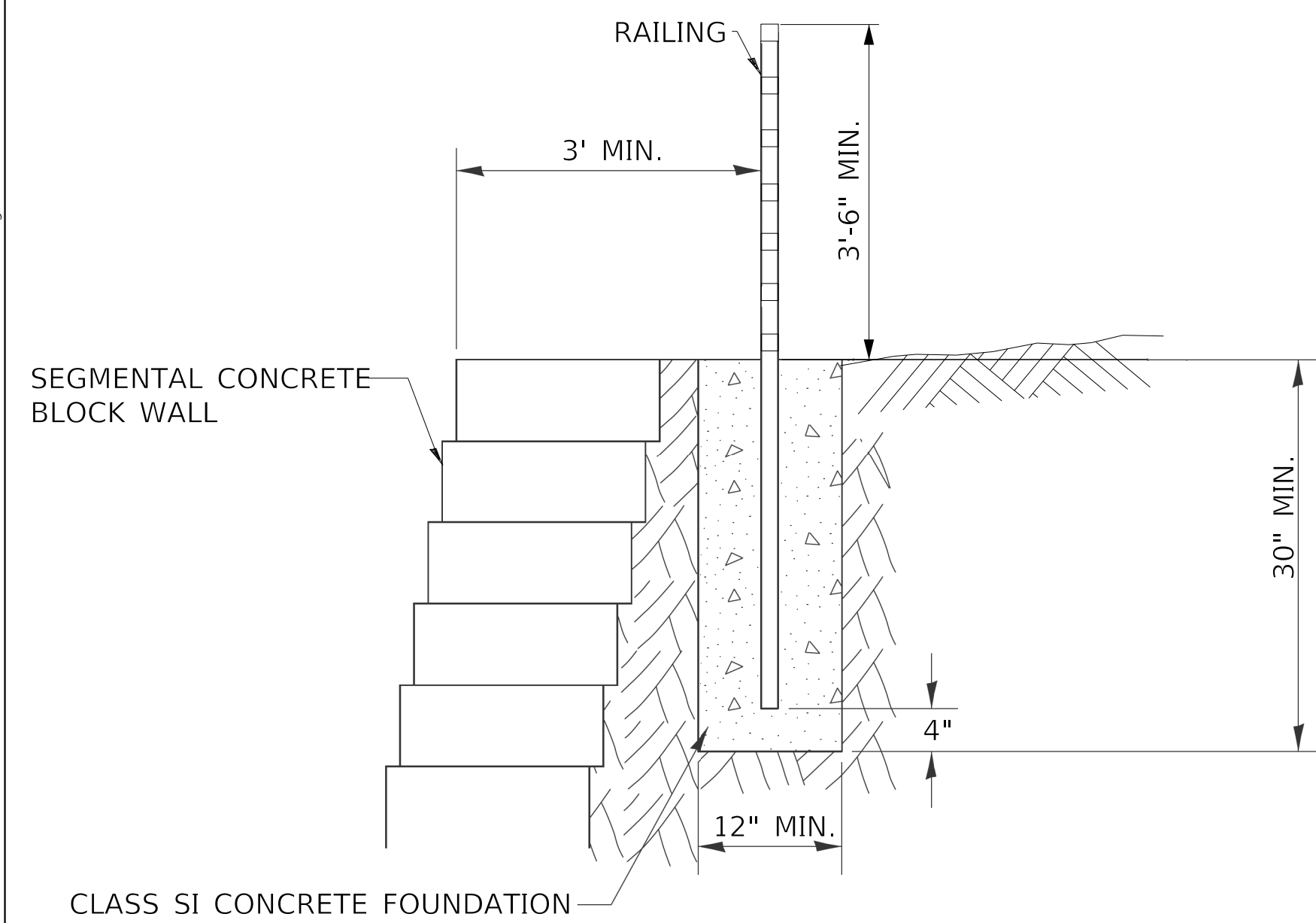
NOTES:  
 ALL STRUCTURAL STEEL TUBING POST AND RAILING SHALL BE CVN TESTED ACCORDING TO 1006.34(B) OF THE STANDARD SPECIFICATIONS.  
 ENDS OF HANDRAIL SHALL BE EITHER ROUNDED OR RETURNED SMOOTHLY TO FLOOR, WALL OR POST.  
 HAND & SAFETY RAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS.  
 EXPANSION JOINTS IN RAILING SHALL MATCH LOCATION OF EXPANSION JOINTS IN WALLS.  
 THE RAIL FABRICATOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL HORIZONTAL AND VERTICAL RETAINING WALL GEOMETRY AND JOINTS PRIOR TO FABRICATION OF THE PRESCRIBED RAILS.

SEE SEGMENTAL CONCRETE BLOCK WALL PLANS FOR APPROXIMATE LOCATIONS OF STEEL RAILING (SPECIAL)

ALL POSTS, RAILING, SPLICES, ANCHOR DEVICES, AND PLATES SHALL BE PAINTED BLACK USING THE ORGANIC ZINC RICH PRIMER / EPOXY / URETHANE PAINT SYSTEM PER THE SPECIAL PROVISION FOR STEEL RAILING (SPECIAL) AND ARTICLE 509.05 OF THE STANDARD SPECIFICATIONS.  
 POSTS SHALL BE FABRICATED TO BE PLUMB WHEN INSTALLED BEHIND SEGMENTAL CONCRETE BLOCK WALL



**SECTION THRU RAILING**



**RAIL POST FOUNDATION OPTION**

NOTES:  
 CONTRACTOR SHALL DESIGN THE SEGMENTAL CONCRETE BLOCK WALL FOR THE FOLLOWING LOADS TO THE RAILING POSTS: [200 LB + (50 LB/FT X (POST SPACING IN FT))] APPLIED HORIZONTALLY AND VERTICALLY 3'-6" ABOVE GRADE.  
 CONTRACTOR HAS THE OPTION TO PROVIDE A SEPARATE CONCRETE FOUNDATION AS SHOWN IN THIS DETAIL OR TO PROVIDE A RAIL POST FOUNDATION THAT IS INTEGRAL TO THE SEGMENTAL CONCRETE BLOCK WALL, AND MAY ADJUST THE DISTANCE BETWEEN THE RAILING AND THE SEGMENTAL CONCRETE BLOCK WALL AS SHOWN ON THE SEGMENTAL CONCRETE BLOCK WALL DETAILS.  
 COST FOR CONCRETE AND REINFORCEMENT FOR RAIL POST FOUNDATION IS INCLUDED WITH STEEL RAILING (SPECIAL).

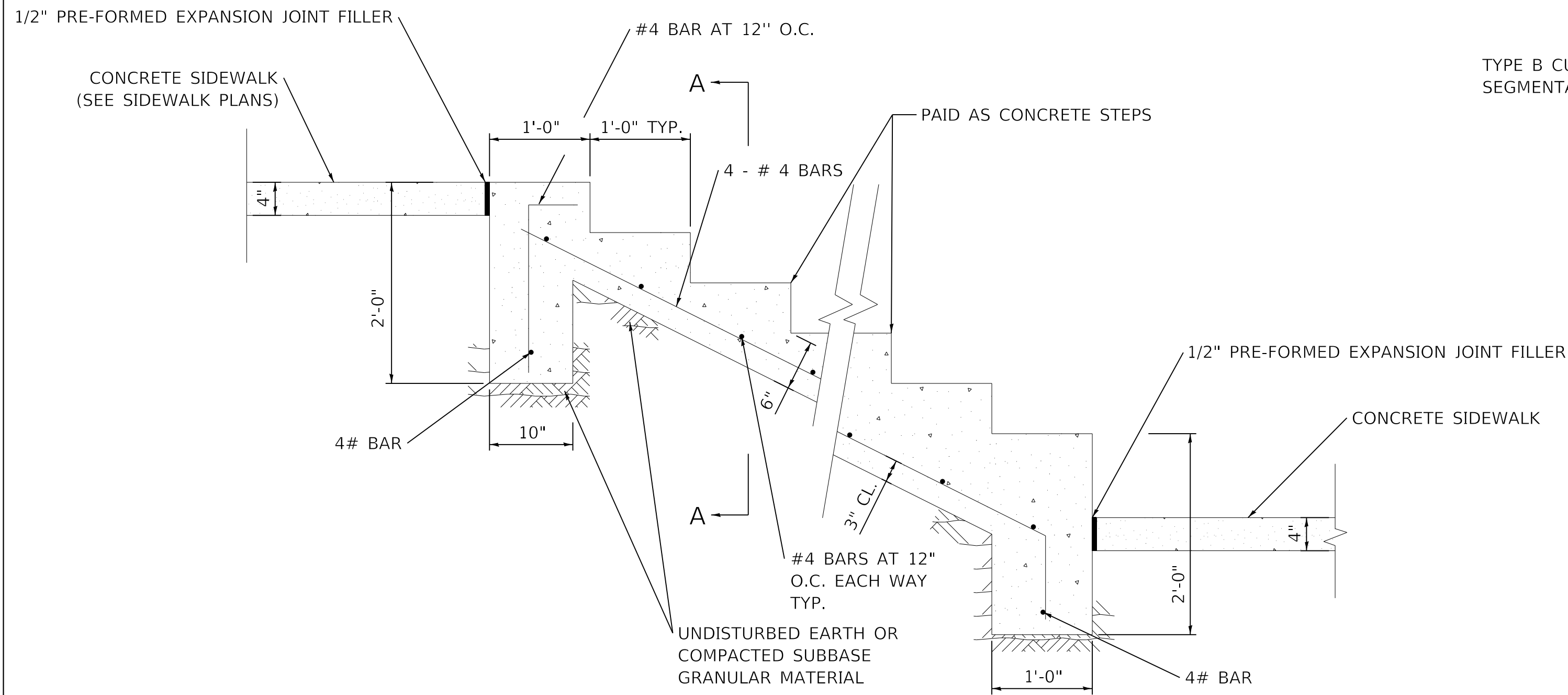
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

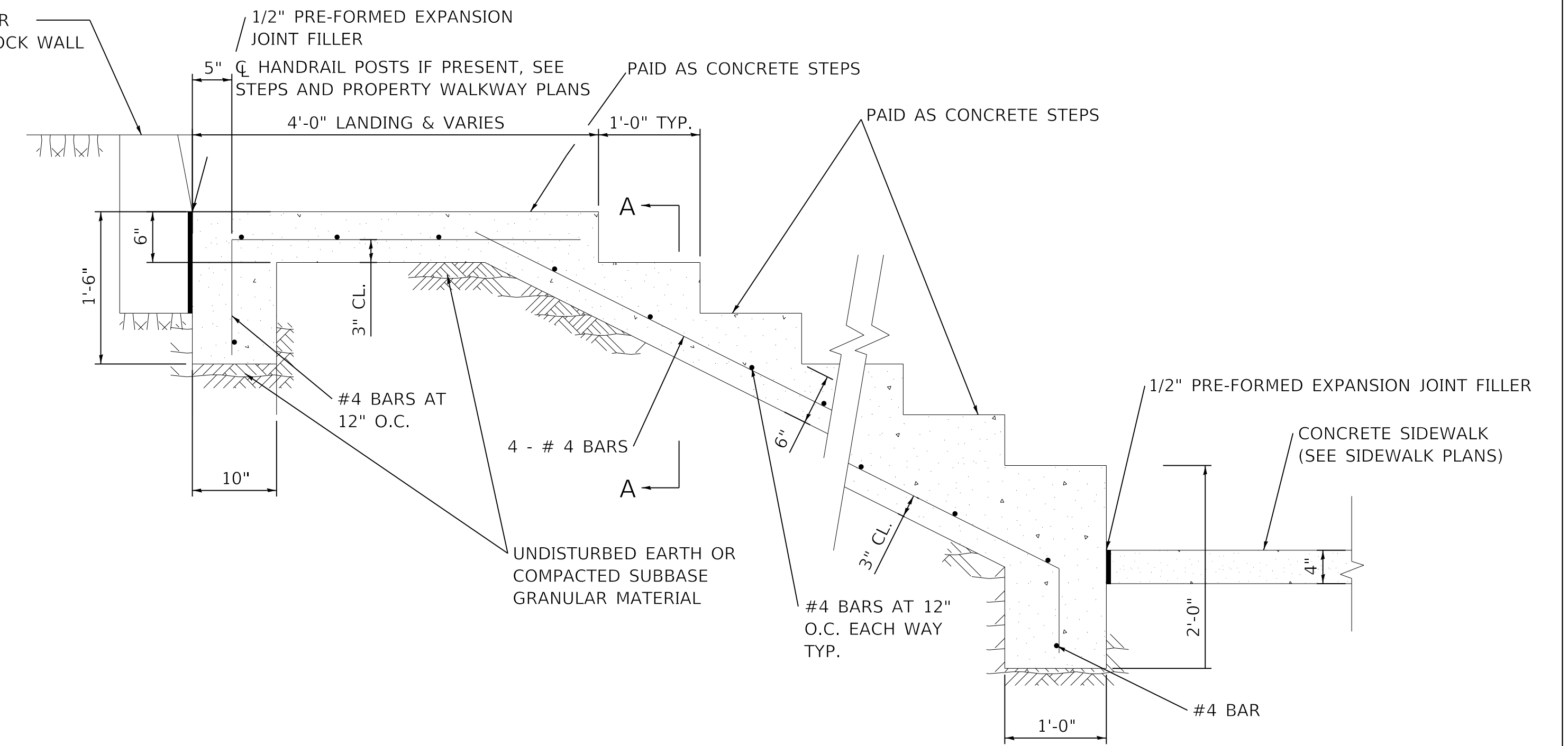
<b>DETAILS</b>			
<b>STEEL RAILING (SPECIAL)</b>			
SCALE: NTS	SHEET 11	OF 17 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	360
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS FED. AID PROJECT				



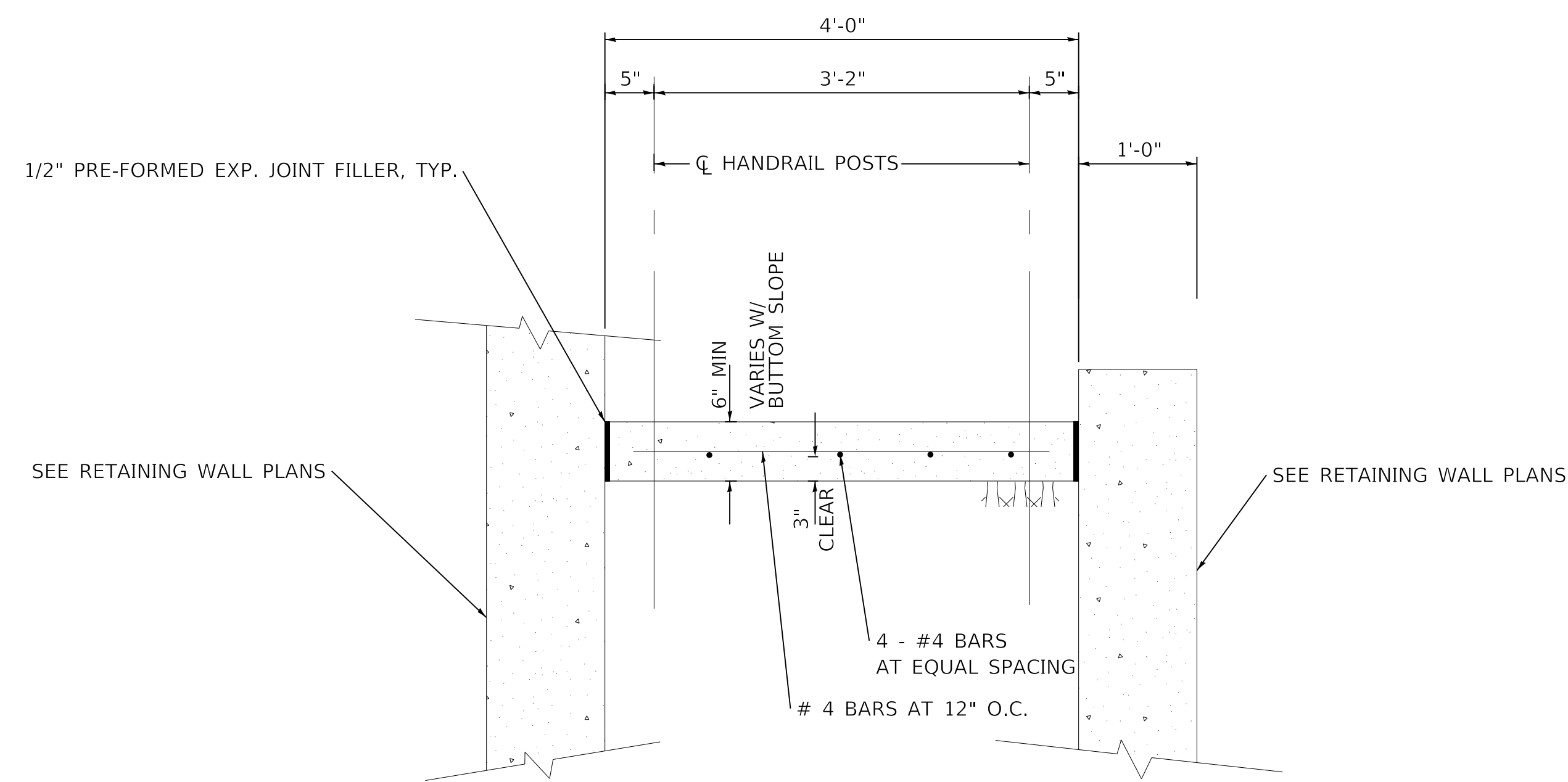
TYP. SECTION THROUGH STEPS

NOT TO SCALE



TYP. SECTION THROUGH STEPS AND LANDING

NOT TO SCALE



SECTION A-A

TYP. TRANSVERSE SECTION THRU STEPS BETWEEN RETAINING WALLS  
NOT TO SCALE

NOTE: LANDING AND STEP ELEVATIONS AND WIDTHS, NUMBER OF TREADS ARE DEFINED ON STEPS AND PROPERTY WALKWAY PLANS.

MODEL: Default  
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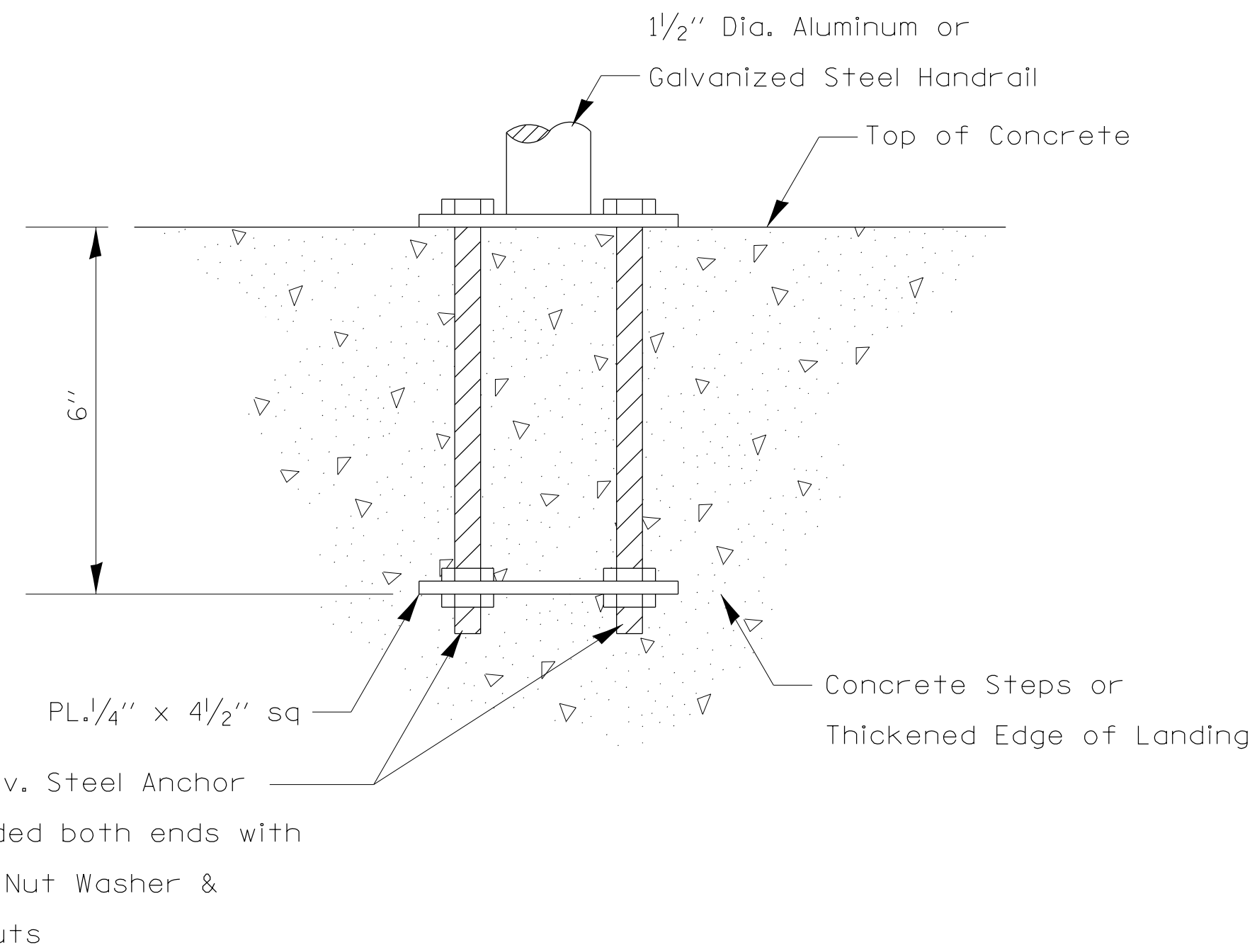


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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

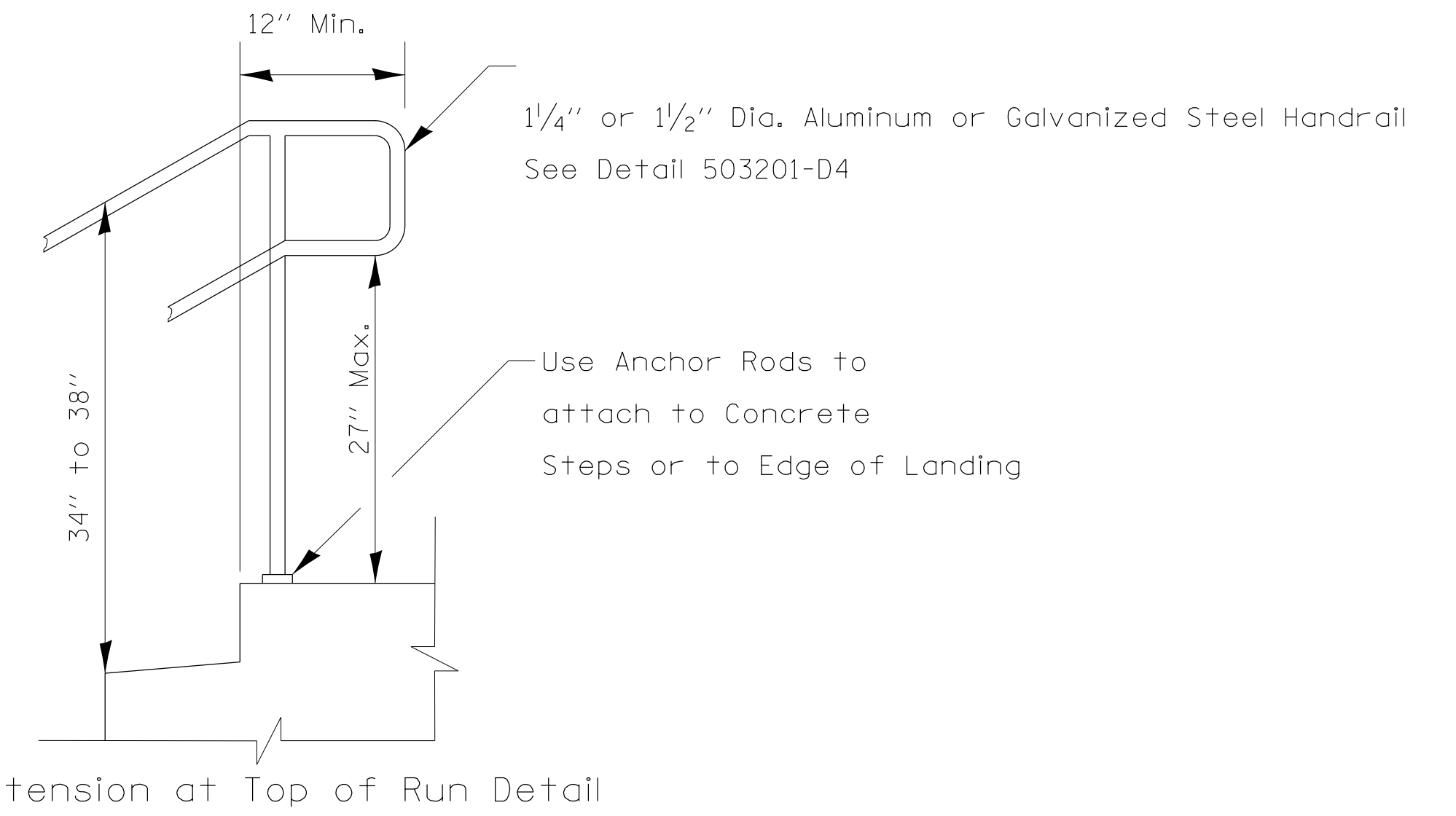
DETAILS			
CONCRETE STEPS & LANDING ADJACENT TO RETAINING WALL (1 OF 2)			
SCALE: NTS	SHEET 12	OF 17 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	361
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS FED. AID PROJECT				



**ANCHOR ROD DETAIL**  
(Included in the cost of Pipe Handrail)

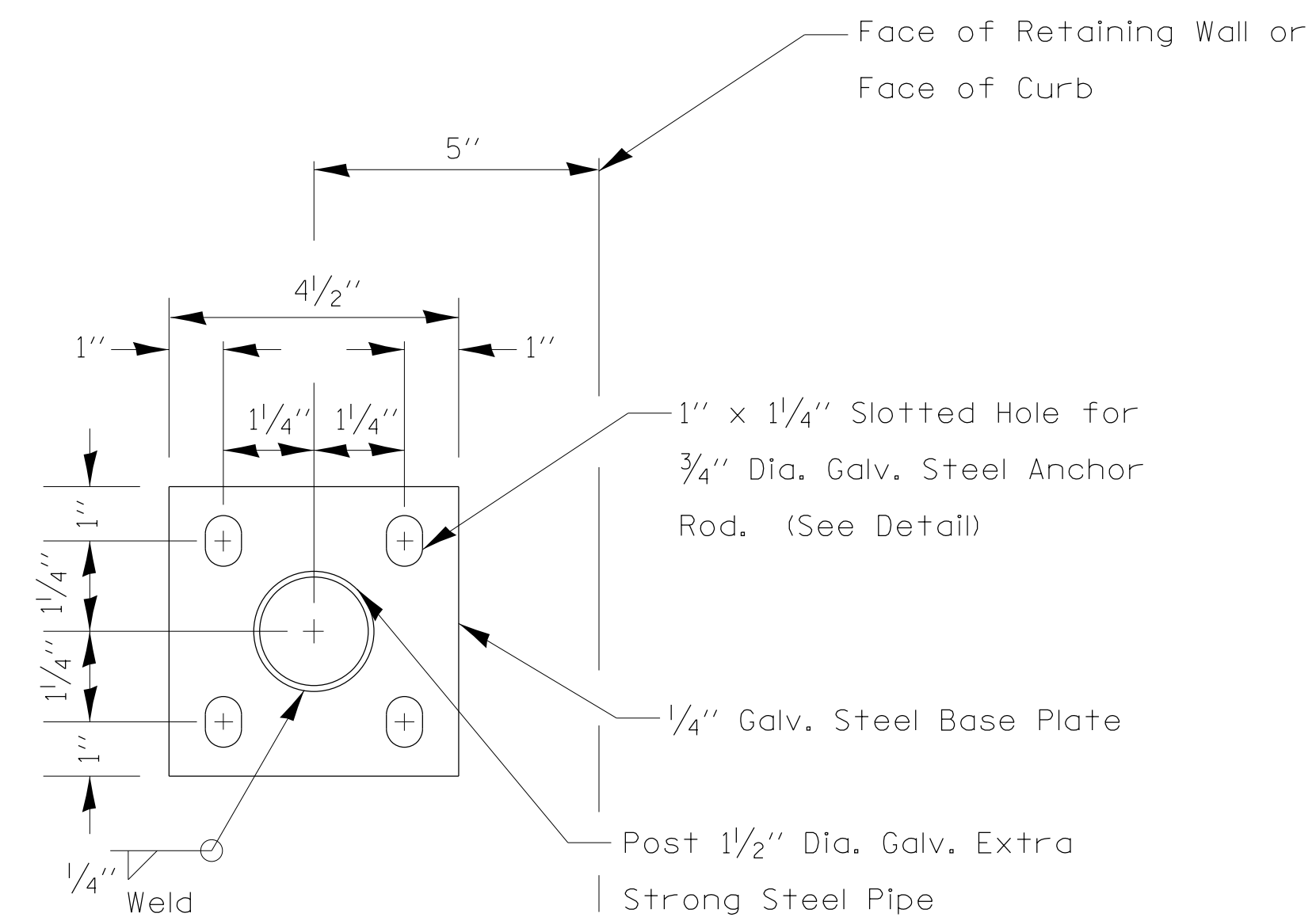
**ANCHOR ROD DETAIL**  
(Included in the cost of Pipe Handrail)



**Extension at Top of Run Detail**

**Notes:**

- Stairways shall have continuous handrails both sides of all stairs.
- The inside handrail on switchback or dogleg stairs shall always be continuous.
- For details of Pipe Handrail above post base Plan, see Detail 503201-D4
- Ends of handrail shall be either rounded or returned smoothly to floor, wall, or post.
- Hand & safety rails shall not rotate within their fittings.
- The clear space between handrails and any wall shall be 1/2" min.
- Handrail shall conform to Section 509 with the exception that all pipe and connections shall be welded galvanized or aluminum according to Article 1006.30, or 1006.34.
- The diameter of the gripping surface of the handrail shall be 1-1/4" to 1-1/2"
- This work shall be paid for at the contract unit price per FOOT for PIPE HANDRAIL.



**POST BASE PLATE DETAIL**  
(Included in the cost of Pipe Handrail)

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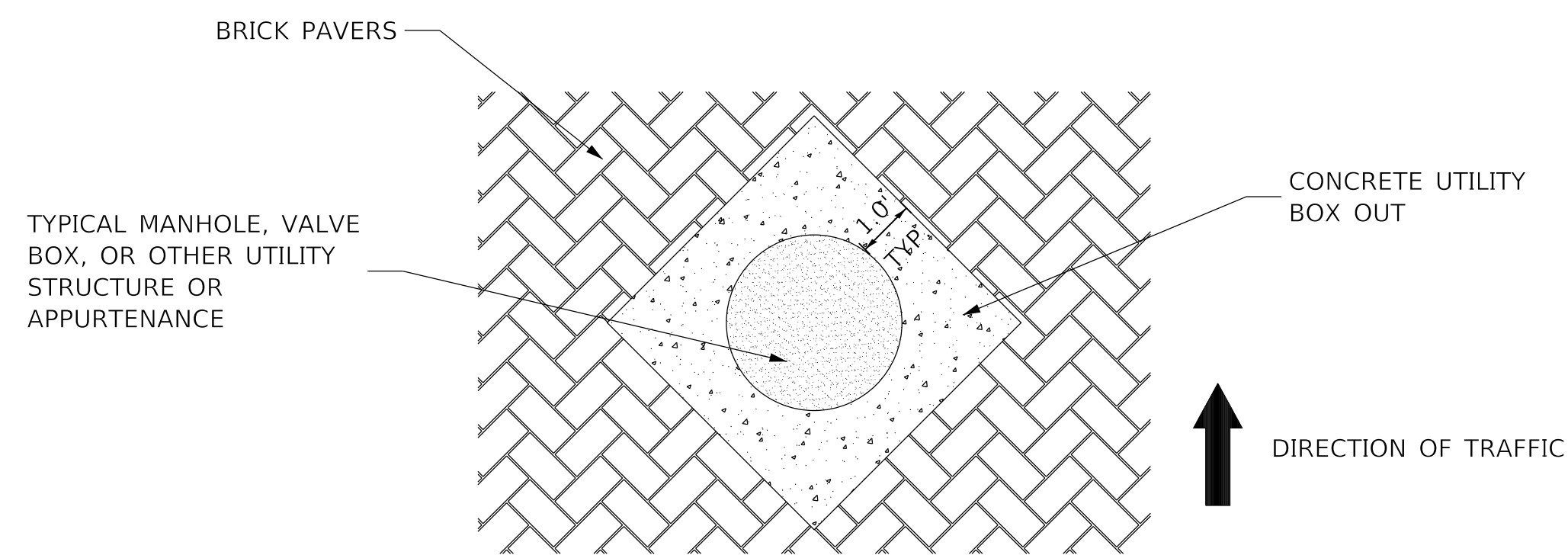


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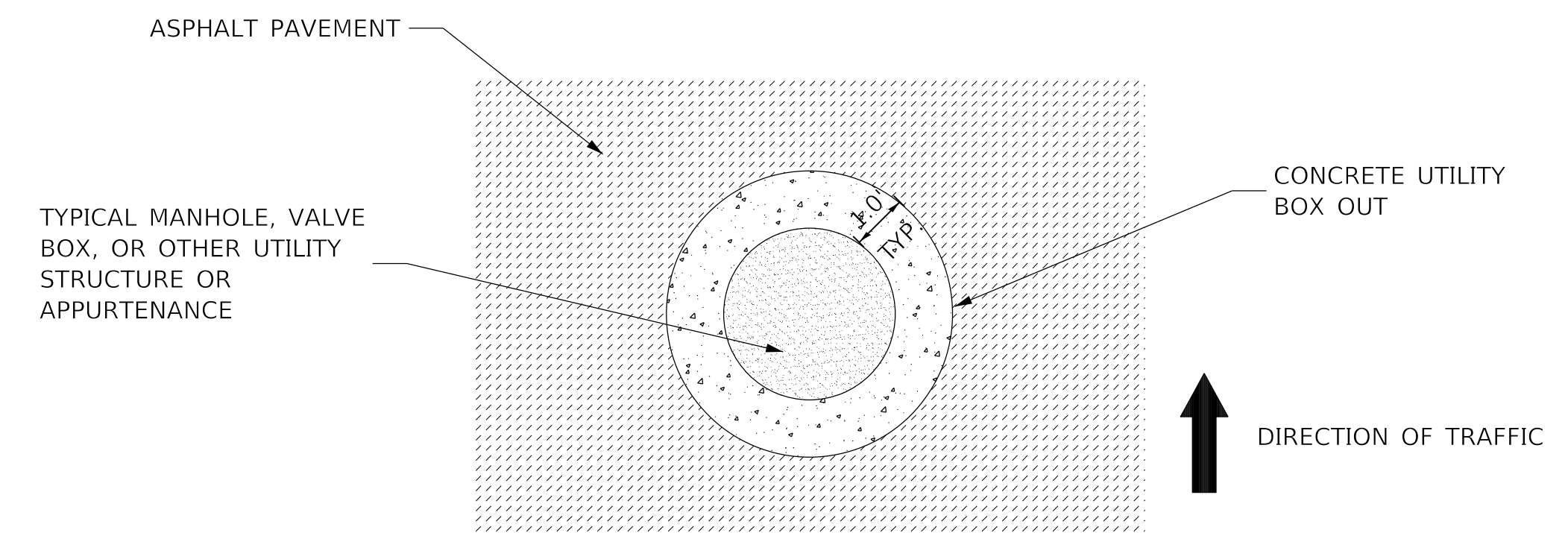
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

DETAILS			
CONCRETE STEPS & LANDING ADJACENT TO RETAINING WALL (2 OF 2)			
SCALE: NTS	SHEET 13	OF 17 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	362
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS FED. AID PROJECT				



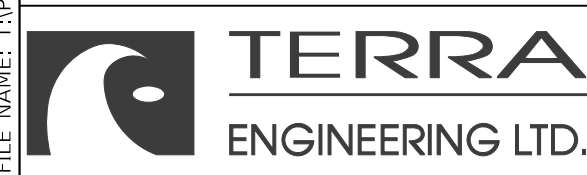
**UTILITY  
(ANY SIZE)  
IN PAVERS**  
(NOT TO SCALE)



**UTILITY  
(ANY SIZE)  
IN ASPHALT PAVEMENT**  
(NOT TO SCALE)

NOTE: DEPTH OF CONCRETE UTILITY BOX OUT SHALL BE EQUAL TO THE THICKNESS OF THE ADJACENT ASPHALT PAVEMENT, THE DEPTH OF THE UTILITY STRUCTURE FAME, OR 8 INCHES, WHICHEVER IS GREATER.

MODEL: D:\default  
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

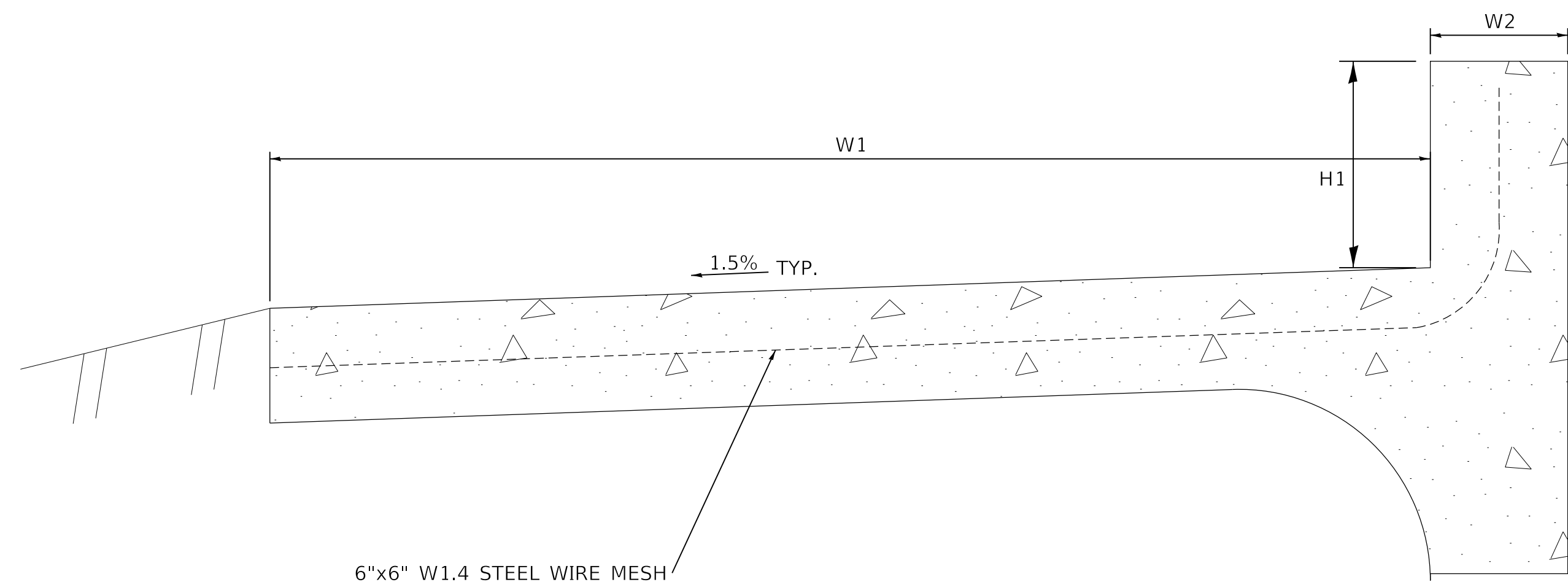
**DETAILS  
CONCRETE UTILITY BOX OUT**

SCALE: NTS SHEET 14 OF 17 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	363
WESTERN AVE RECONSTRUCTION			CONTRACT NO. 89766	
ILLINOIS FED. AID PROJECT				

NOTES:

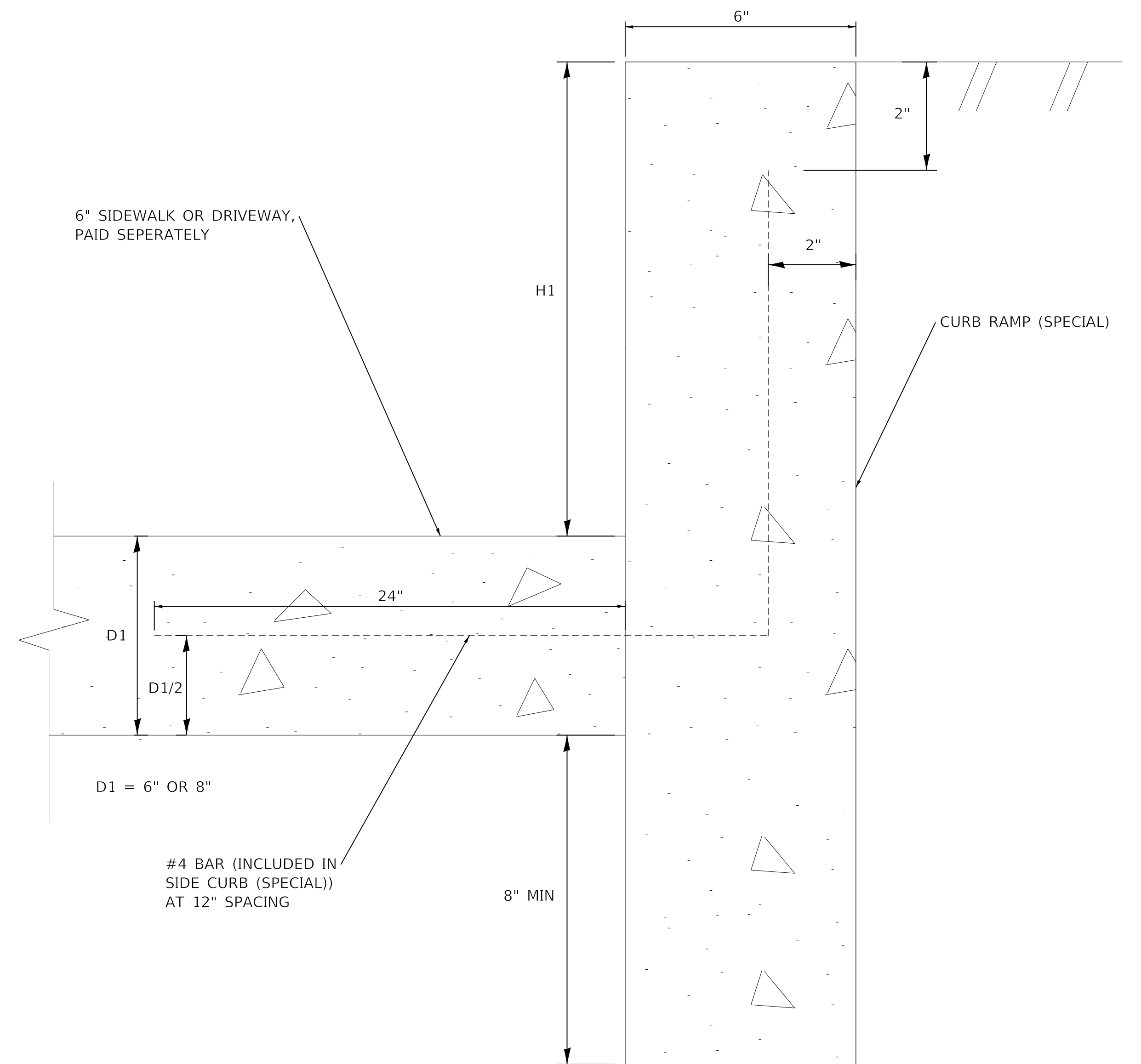
1. ALL PROVISIONS IN SECTION 424 OF THE STANDARD SPECIFICATIONS SHALL APPLY, UNLESS OTHERWISE SHOWN.
2. SEE HIGHWAY STANDARDS FOR CURB RAMP CONSTRUCTION INCLUDING "SIDE CURB" IN CURB RAMP AREAS
2. SEE DETAIL 42410-D4 FOR JOINT INFORMATION.



PAID AS "COMBINATION CONCRETE CURB AND SIDEWALK 4 INCH (SPECIAL)

MEASUREMENT FORMULA:  
 $(W1+W2+H1) \times \text{LENGTH CONSTRUCTED} = \text{PAYMENT AREA IN SQUARE FEET}$

SIDEWALK WITH SIDE CURB LESS THAN 12" IN HEIGHT  
 (NOT TO SCALE)



MEASUREMENT FORMULA:  
 $(0.5+H1) \times \text{LENGTH CONSTRUCTED} = \text{PAYMENT AREA IN SQ FT}$

CURB WALL (SPECIAL)  
 (NOT TO SCALE)

MODEL: D:\default\PROJECTS\16-187-005 COP Western Printing\Design\CADD\Transportation\CADD\_Sheets\0416187005-SHT-DETAIL-015.dgn



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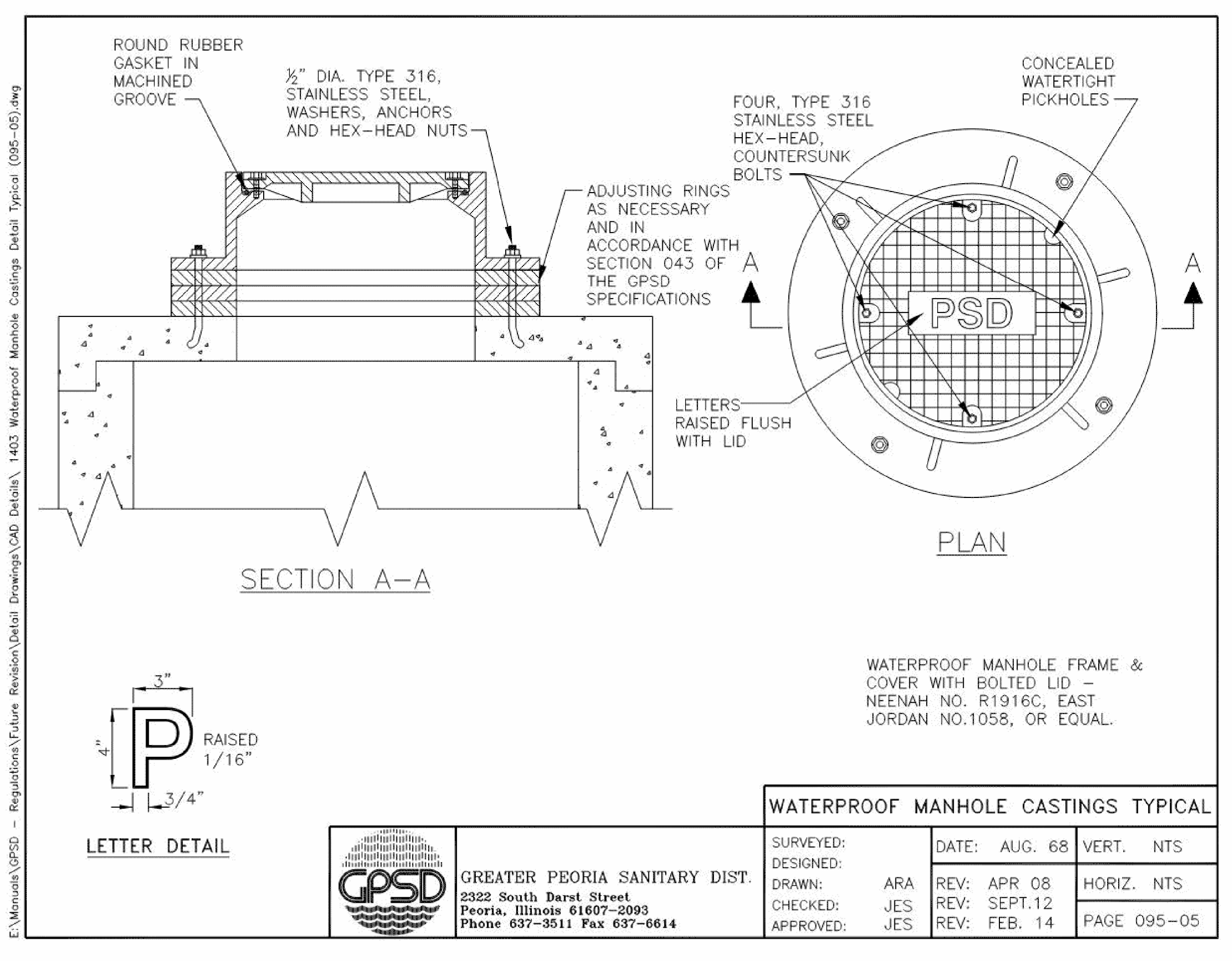
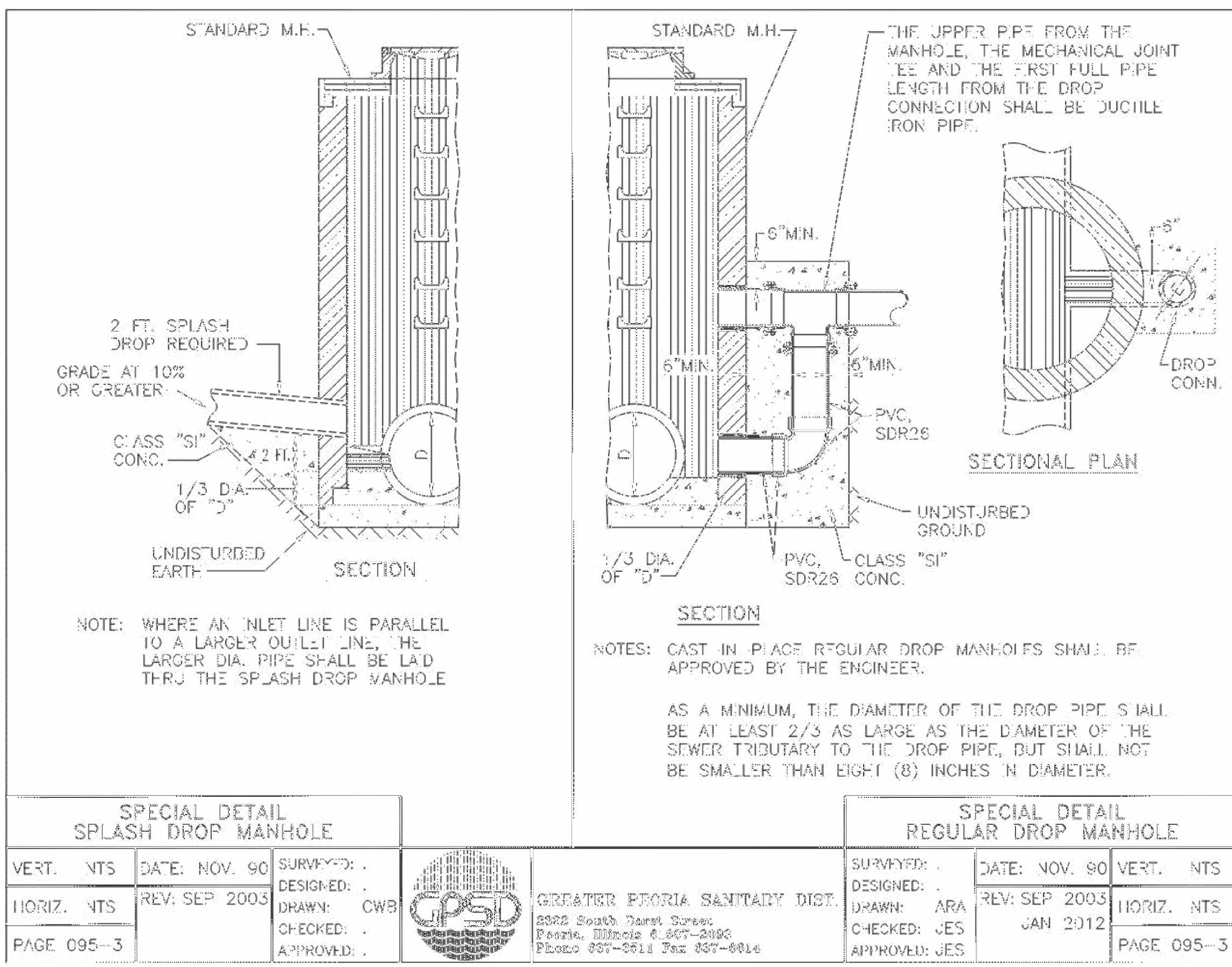
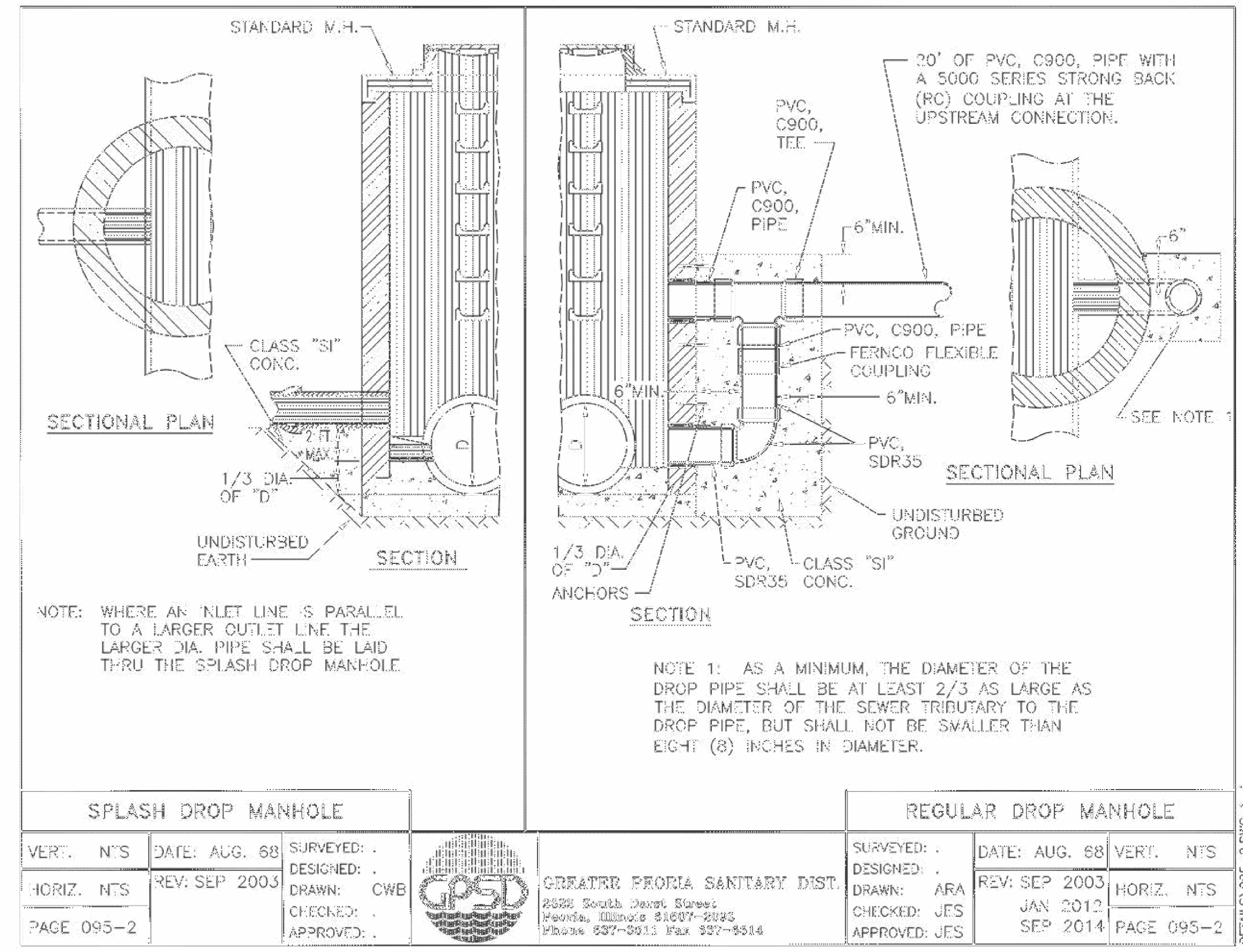
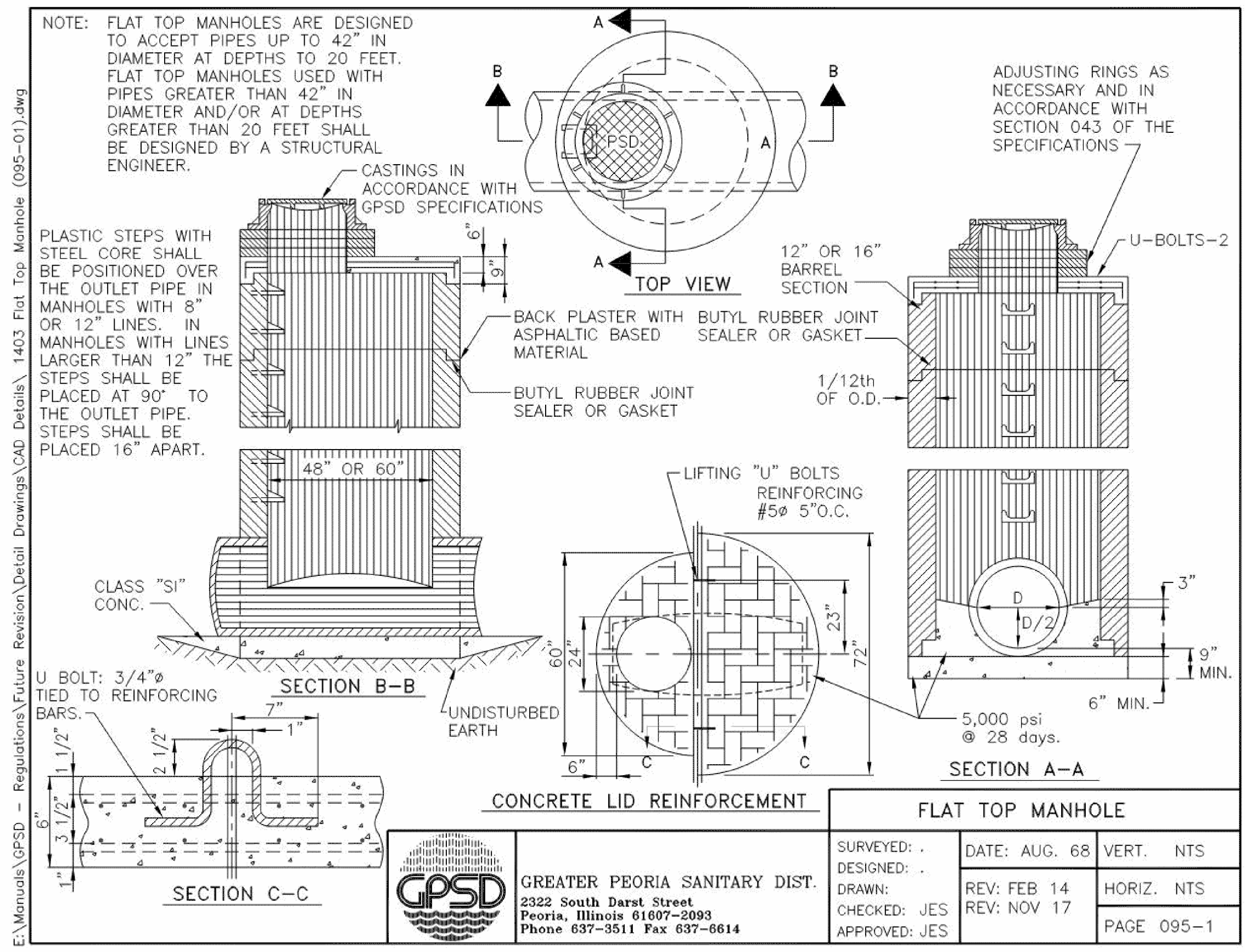
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DETAILS  
 SIDE CURB & CURB WALL (SPECIAL)

SCALE: NTS SHEET 15 OF 17 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	364
WESTERN AVE RECONSTRUCTION			CONTRACT NO. 89766	
ILLINOIS FED. AID PROJECT				





MODEL: Default  
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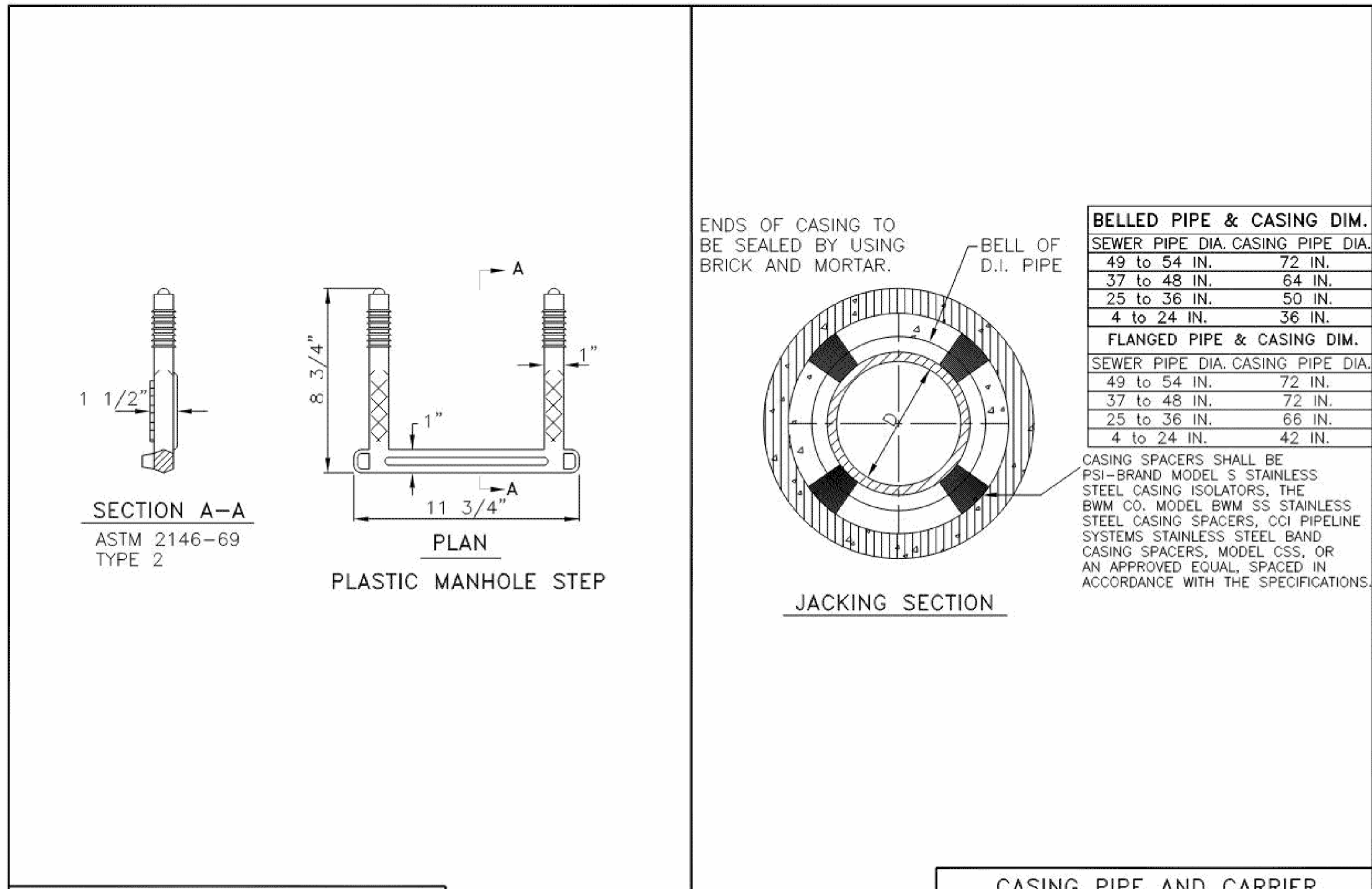
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE: NTS	SHEET 16	OF 17 SHEETS	STA.	TO STA.
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DETAILS  
GPSD

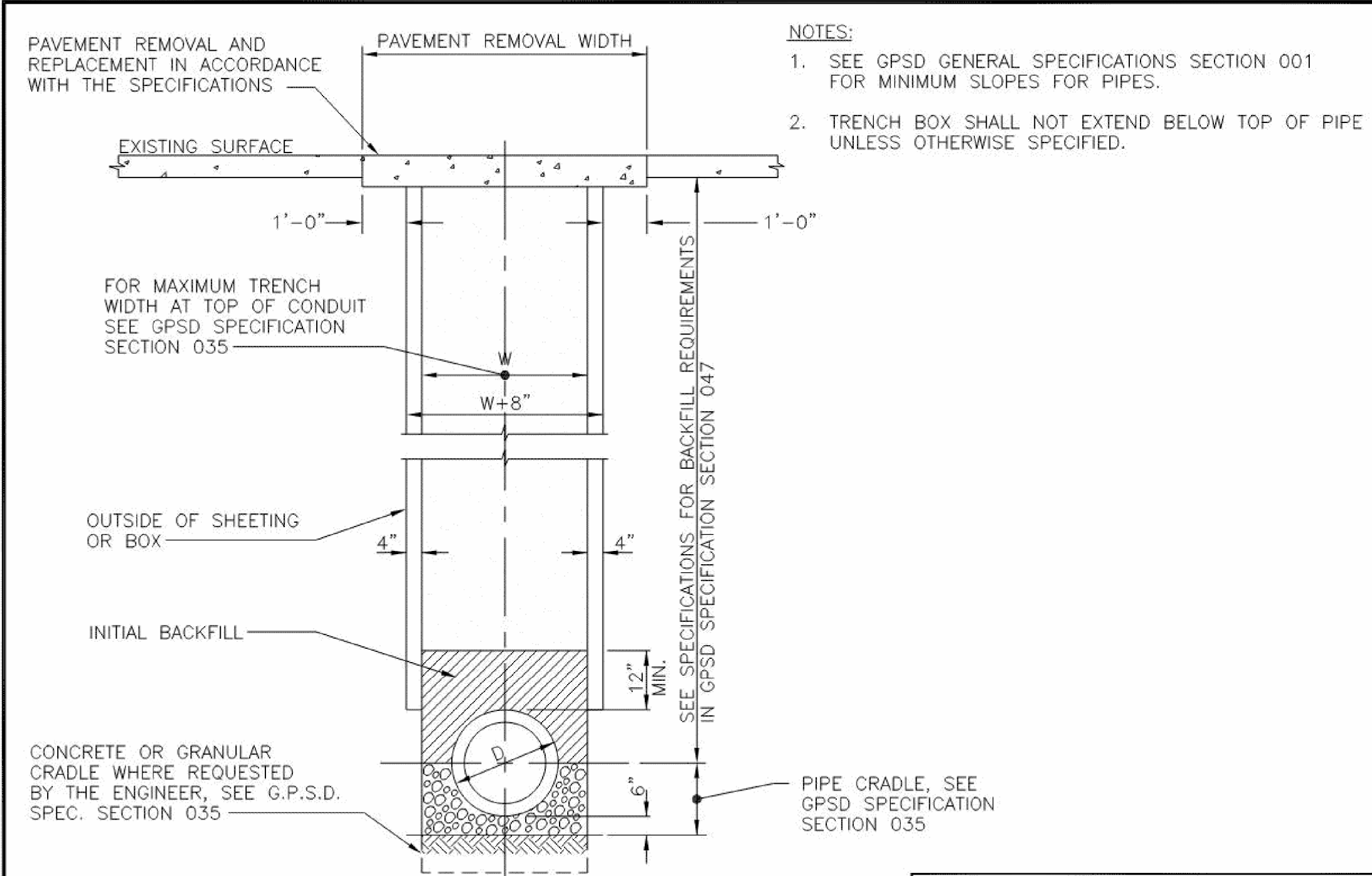
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	365
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		



BELLED PIPE & CASING DIM.	
SEWER PIPE DIA.	CASING PIPE DIA.
49 to 54 IN.	72 IN.
37 to 48 IN.	64 IN.
25 to 36 IN.	50 IN.
4 to 24 IN.	36 IN.
FLANGED PIPE & CASING DIM.	
SEWER PIPE DIA.	CASING PIPE DIA.
49 to 54 IN.	72 IN.
37 to 48 IN.	72 IN.
25 to 36 IN.	66 IN.
4 to 24 IN.	42 IN.

MANHOLE STEPS				CASING PIPE AND CARRIER PIPE CONSTRUCTION			
VERT. NTS	DATE: AUG. 90	SURVEYED: .	DESIGNED: .	SURVEYED: .	DATE: AUG. 68	VERT. NTS	
HORIZ. NTS	REV: .	DRAWN: DMF	CHECKED: .	DRAWN: JES	REV: FEB 2010	HORIZ. NTS	
PAGE 095-6		APPROVED: .		CHECKED: JES	REV: JAN 2012	PAGE 095-6	

**GPSD**  
**GREATER PEORIA SANITARY DIST.**  
 2322 South Darst Street  
 Peoria, Illinois 61607-2093  
 Phone 637-3511 Fax 637-6614



TYPICAL DETAIL SANITARY SEWER PIPE INSTALLATION			
SURVEYED: .	DATE: FEB. 93	VERT. NTS	
DESIGNED: .		HORIZ. NTS	
DRAWN: ARA	REV: SEP 2003		
CHECKED: JES	REV: NOV 2011		
APPROVED: JES	REV: DEC 2014	PAGE 095-7	

**GPSD**  
**GREATER PEORIA SANITARY DIST.**  
 2322 South Darst Street  
 Peoria, Illinois 61607-2093  
 Phone 637-3511 Fax 637-6614

MODEL: D:\default... PROJECTS\16-187-005 COP Western Printing\Design\CADD\Transportation\CADD\_Sheets\0416187005-SHT-DETAIL-017.dgn

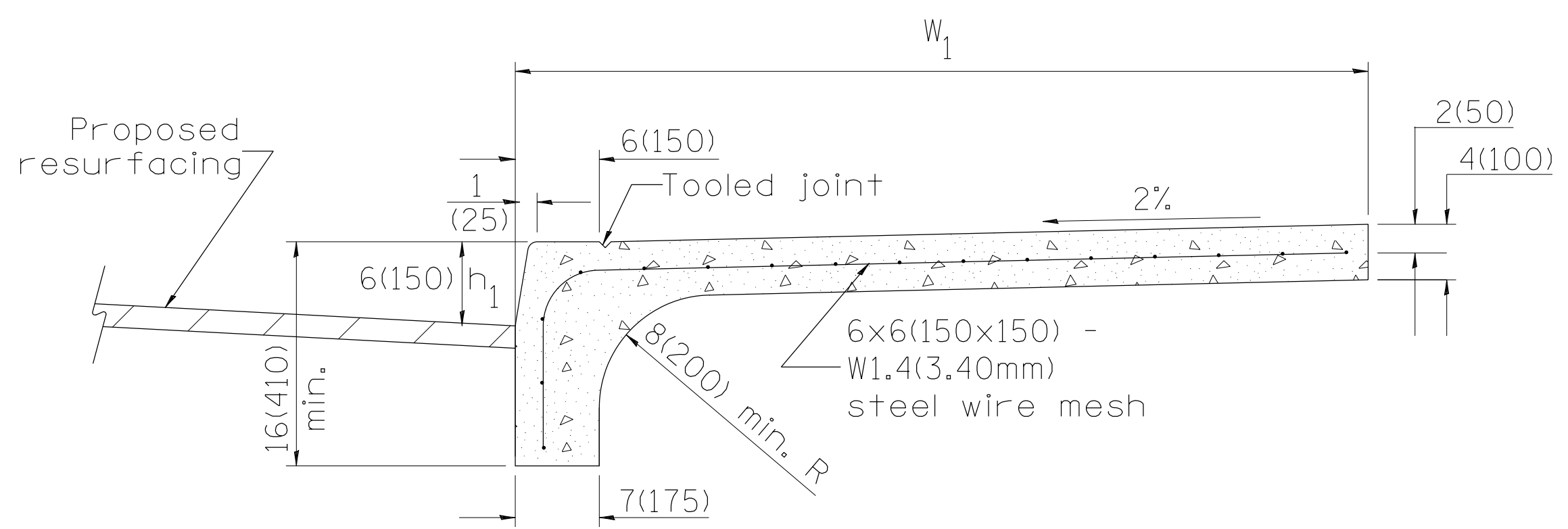
**TERRA**  
ENGINEERING LTD.

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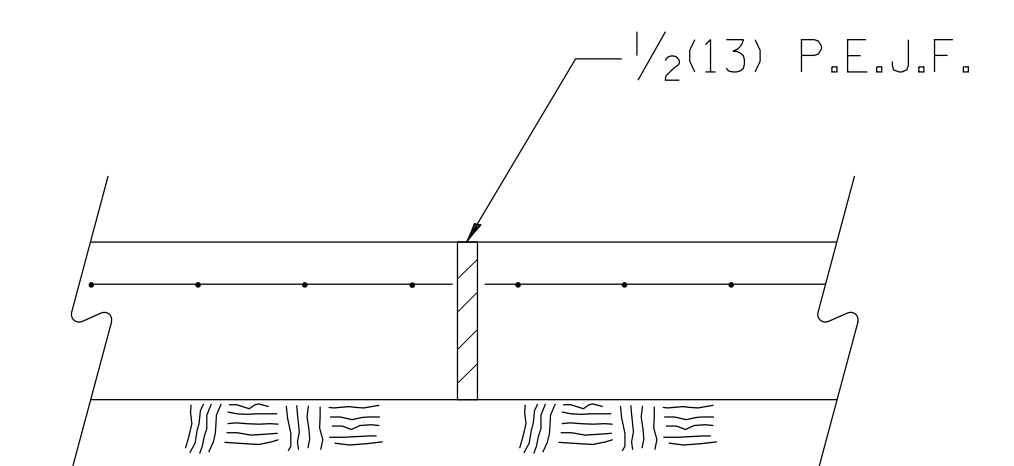
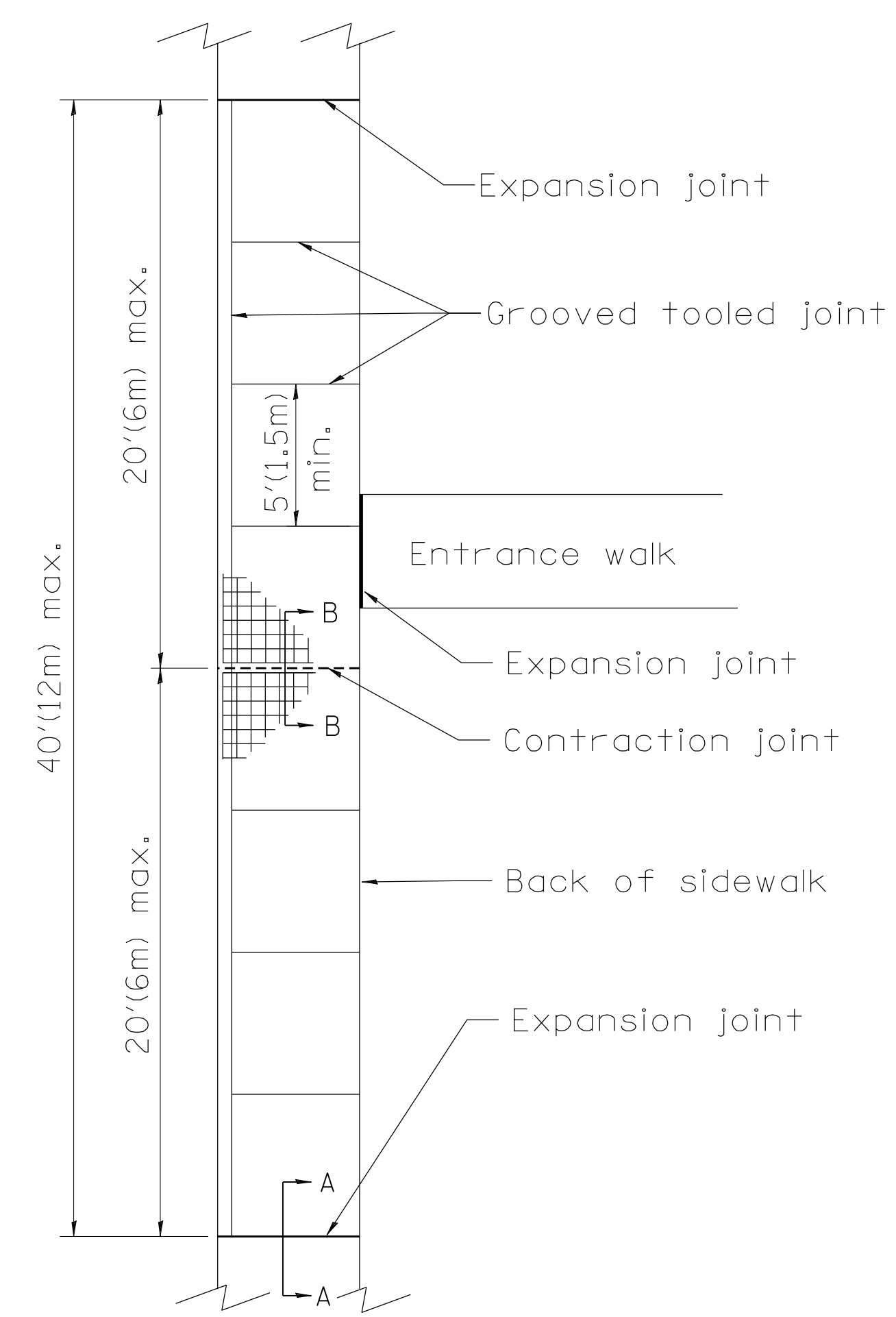
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

DETAILS GPSD			
SCALE: NTS	SHEET 17	OF 17 SHEETS	STA. TO STA.

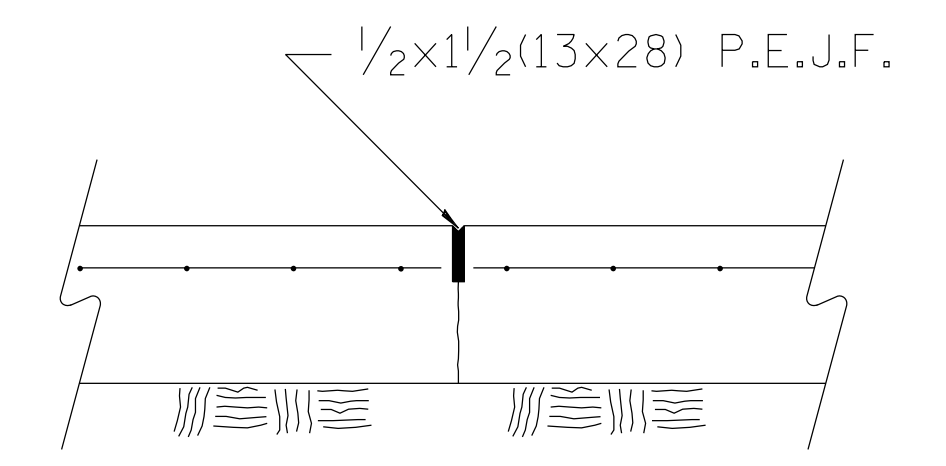
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	366
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS		FED. AID PROJECT		



**COMBINATION CURB - SIDEWALK 4" (100mm)**  
 Measurement Formula:  $(W_1 + h_1) \times \text{length constructed} = \text{Payment area}$   
 in square meters (square feet)



**SEC. A-A**  
Expansion Joint



**SEC. B-B**  
Contraction Joint

**GENERAL NOTES:**

- All provisions in Section 424 of the Standard Specifications shall apply, unless otherwise shown.

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

MODEL: D:\default\... PROJECTS\16-187-005 COP Western Printing\Design\CADD\Transportation\CADD\_Sheets\416187005-SHT-DETAIL-424101-D4.dgn



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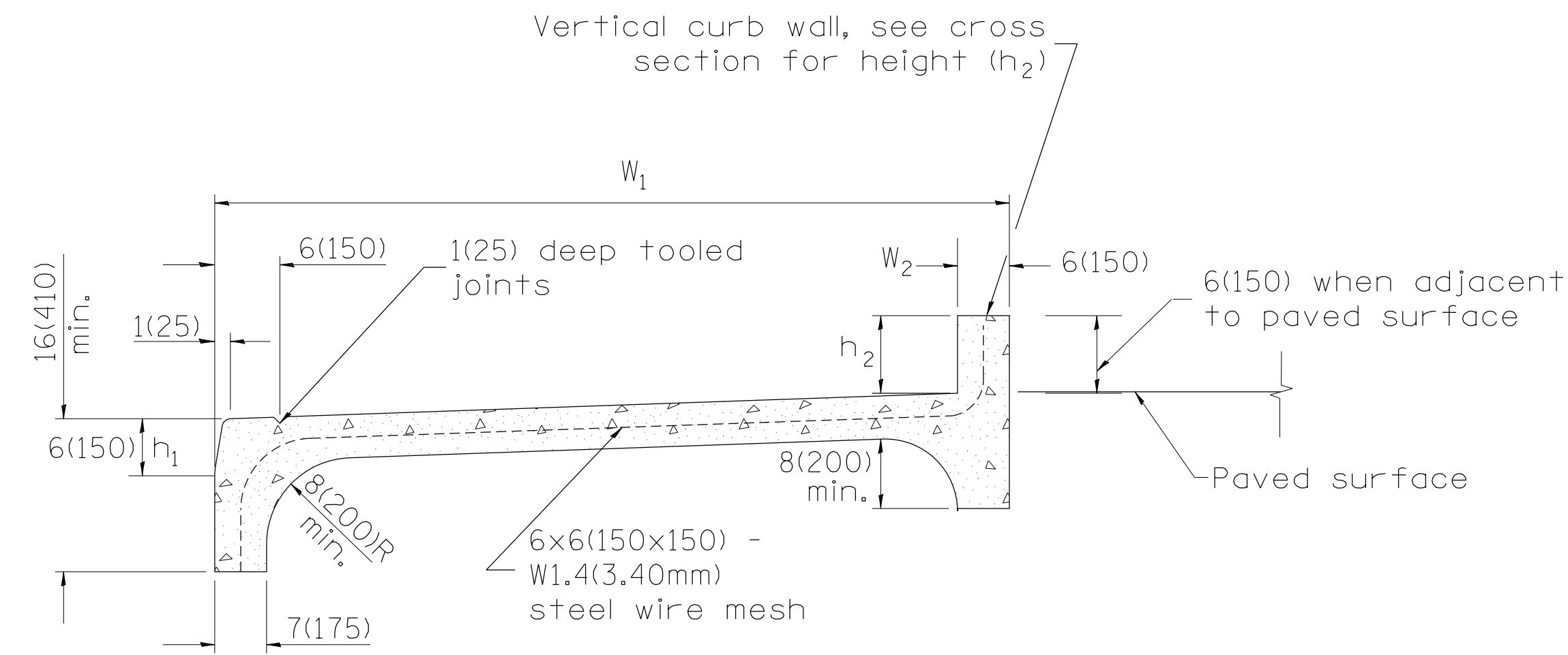
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>IDOT DISTRICT 4 DETAIL-424101</b>			
<b>COMBINATION CONCRETE CURB-SIDEWALK 4"</b>			
SCALE: NTS	SHEET 1	OF 5 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	367
WESTERN AVE RECONSTRUCTION			CONTRACT NO. 89766	
ILLINOIS FED. AID PROJECT				

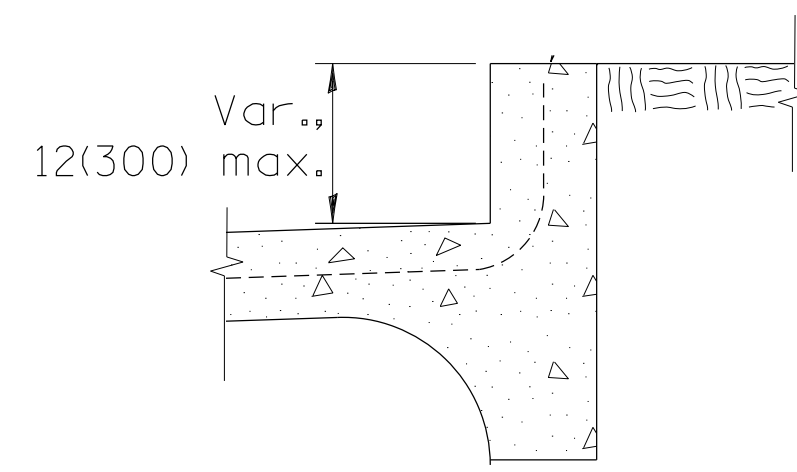
DESIGNER NOTES:  
 1. THIS DRAWING SHOULD BE USED IN CONJUNCTION WITH STATE STANDARD 424001 AND DISTRICT CADD STDS.  
 "CURB RAMPS ACCESSIBLE TO THE DISABLED" AND "COMBINATION CONCRETE CURB & SIDEWALK 4" (100mm).

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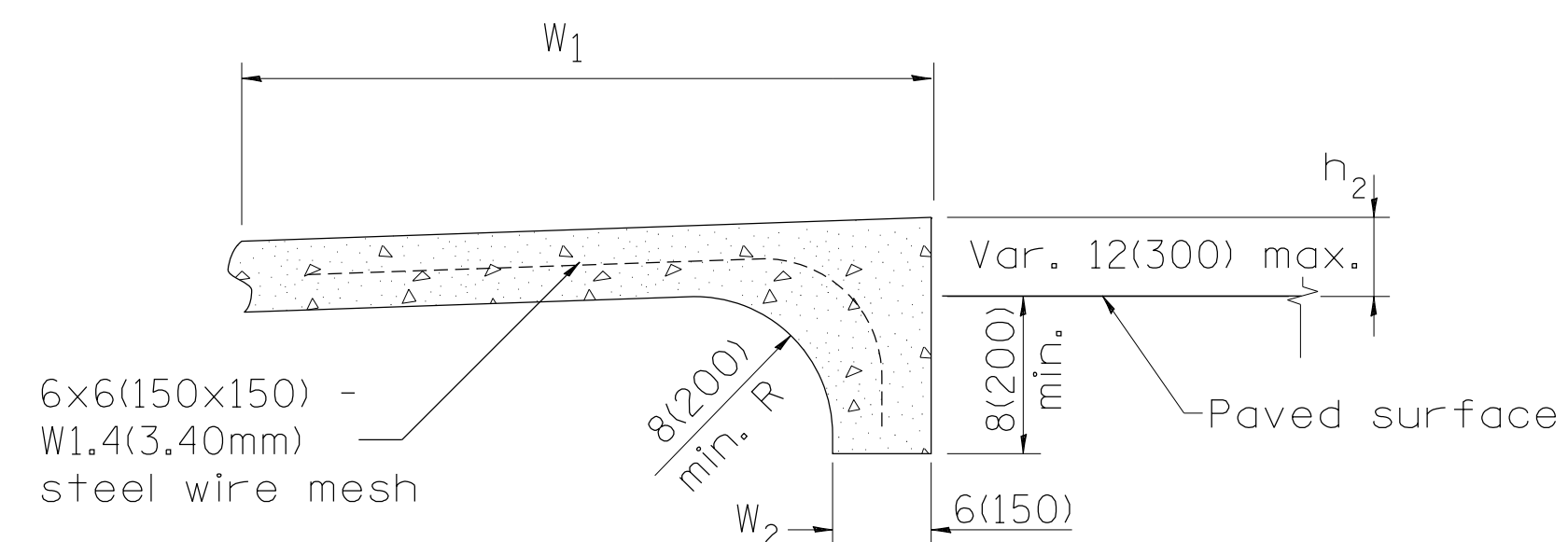


COMBINATION CONCRETE CURB-SIDEWALK 4" (100mm)  
 (SPECIAL)

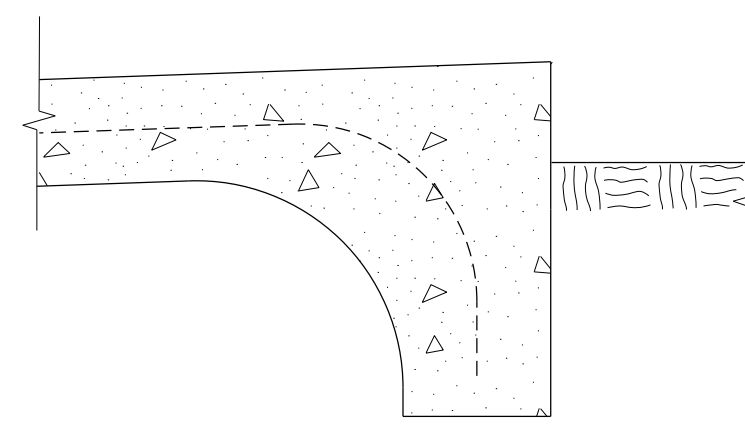
Measurement formula:  $(W_1 + W_2 + h_1 + h_2) \times \text{length constructed} =$   
 Payment area in square feet (square meters)



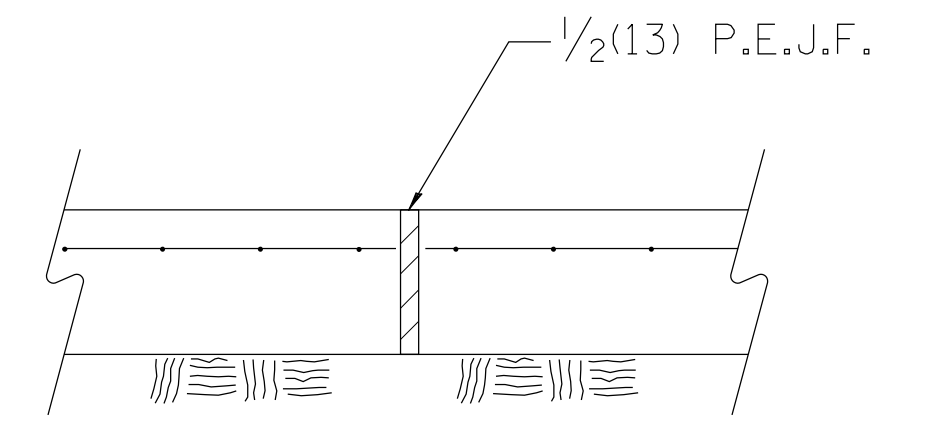
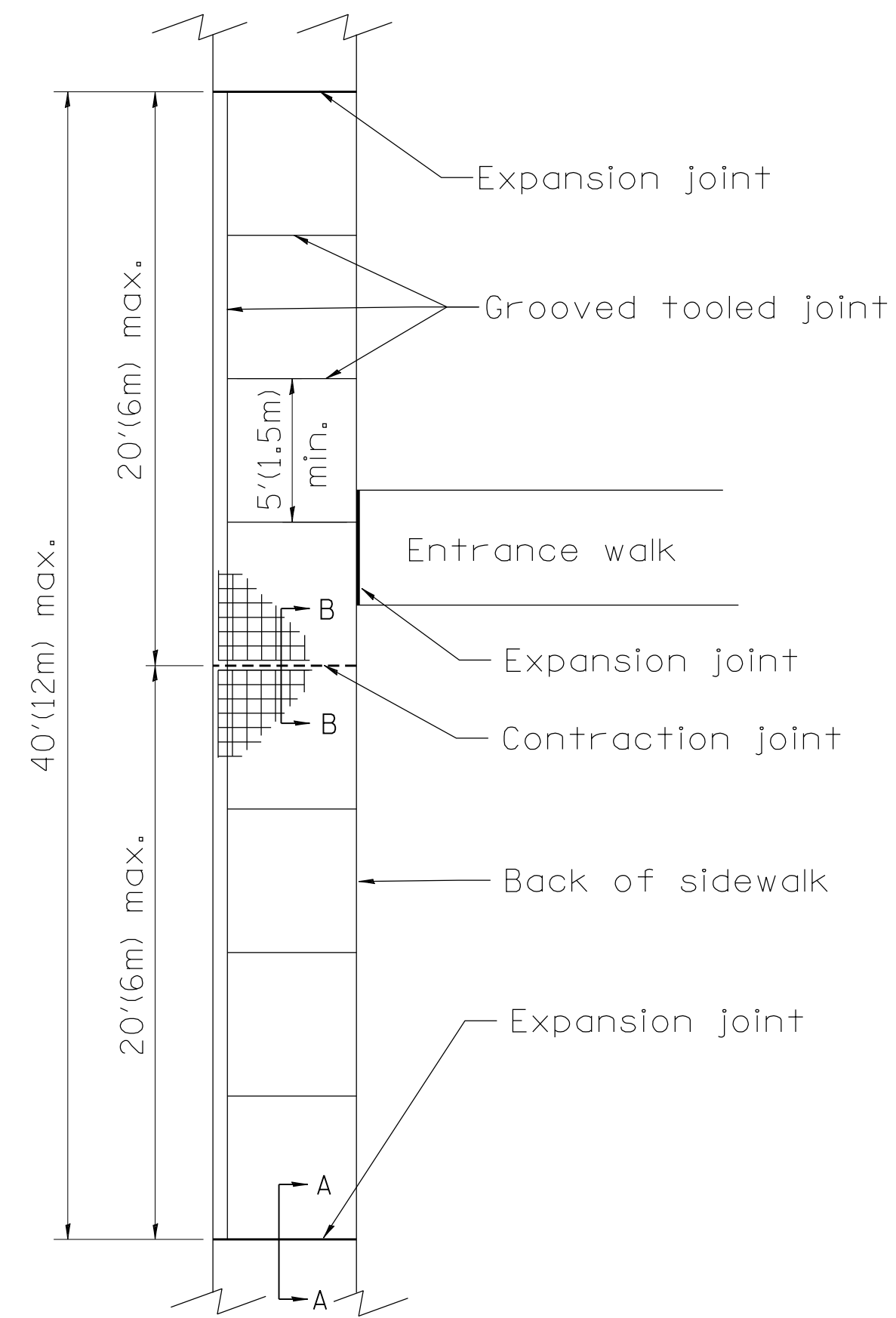
WITH TURF BORDER



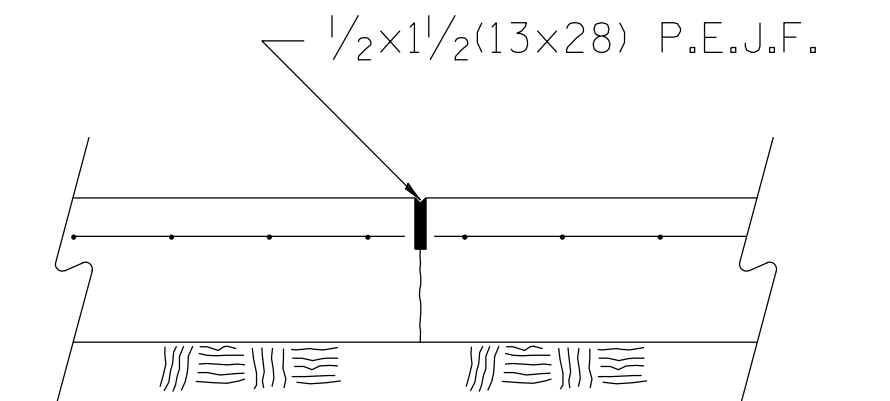
ALTERNATE BACK DETAIL  
 WHEN SIDEWALK GRADE ABOVE EXISTING GRADE



WITH TURF BORDER



SEC. A-A  
 Expansion Joint

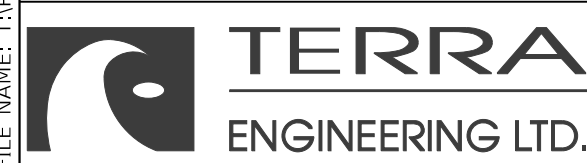


SEC. B-B  
 Contraction Joint

GENERAL NOTES:

- All provisions in Section 424 of the Standard Specifications shall apply, unless otherwise shown.

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



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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

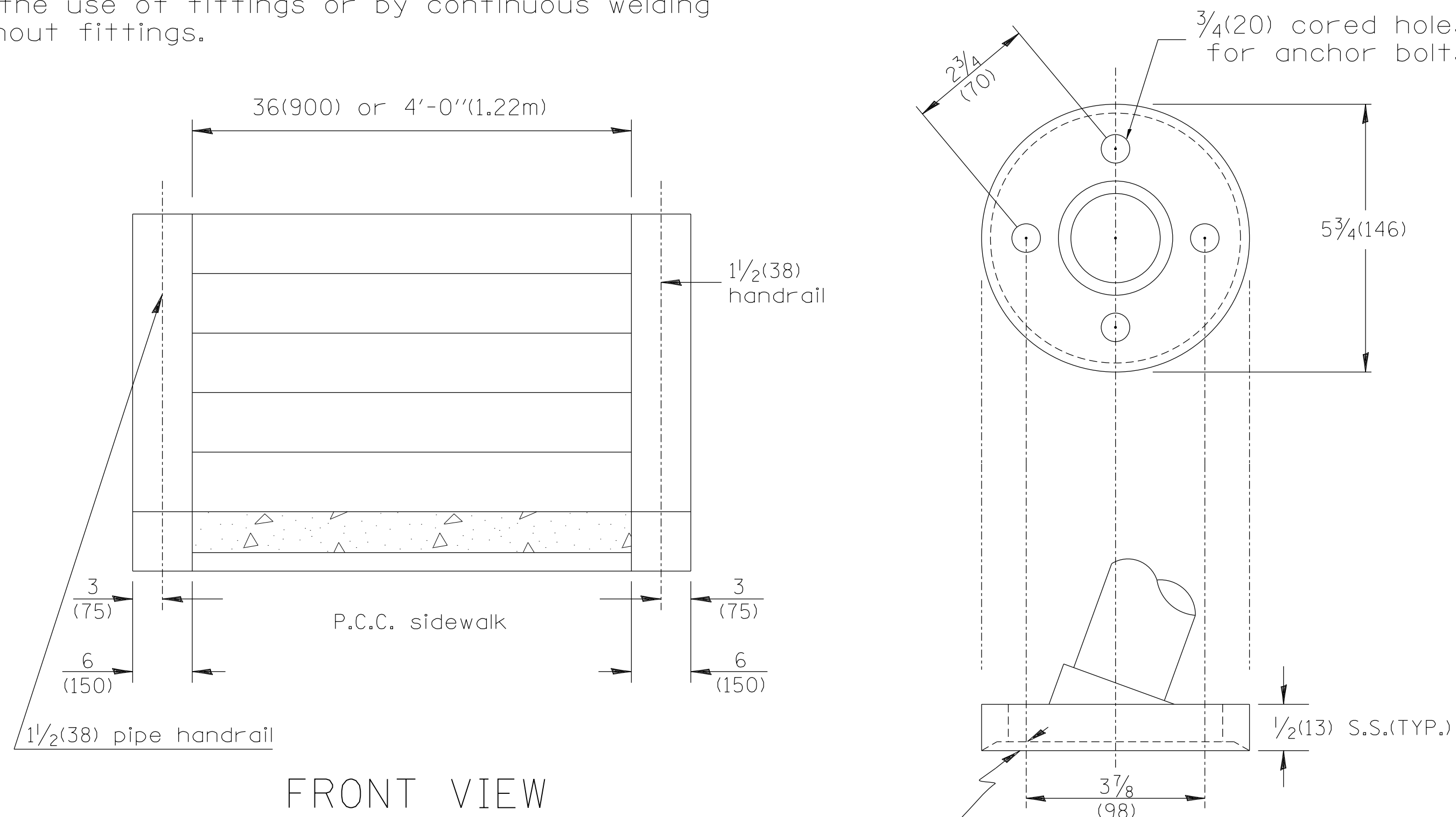
IDOT DISTRICT 4 DETAIL-424106  
 COMBINATION CONCRETE CURB-SIDEWALK 4", (SPECIAL)

SCALE: NTS SHEET 2 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	388
WESTERN AVE RECONSTRUCTION			CONTRACT NO. 89766	
ILLINOIS FED. AID PROJECT				

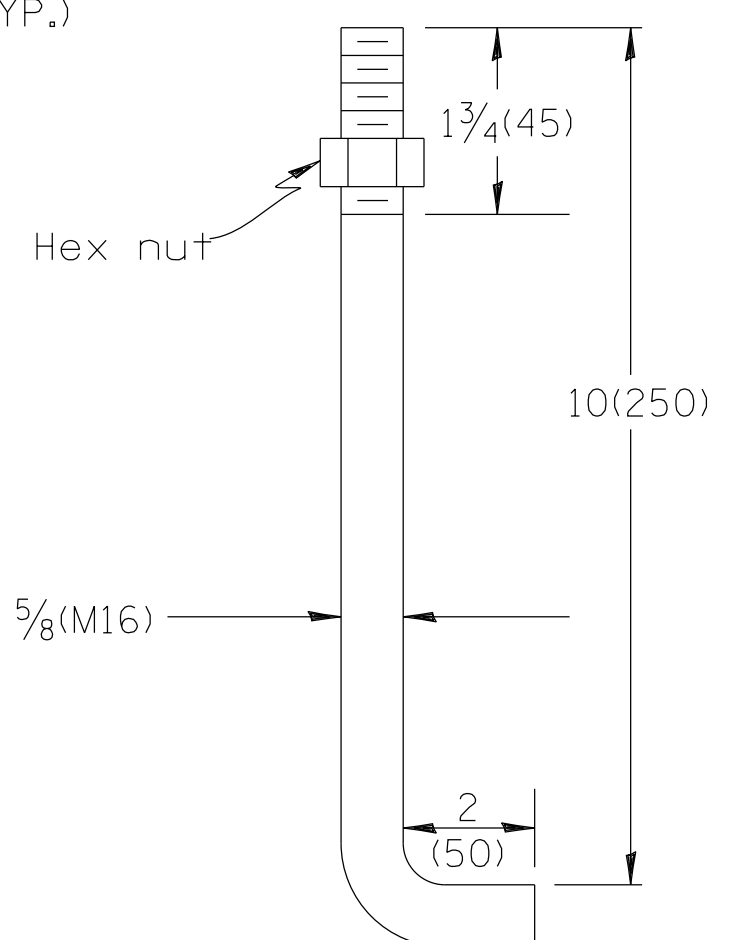
Connction of railings to posts may be made either by the use of fittings or by continuous welding without fittings.

Article 509.04 of the Standard Specifications apply.

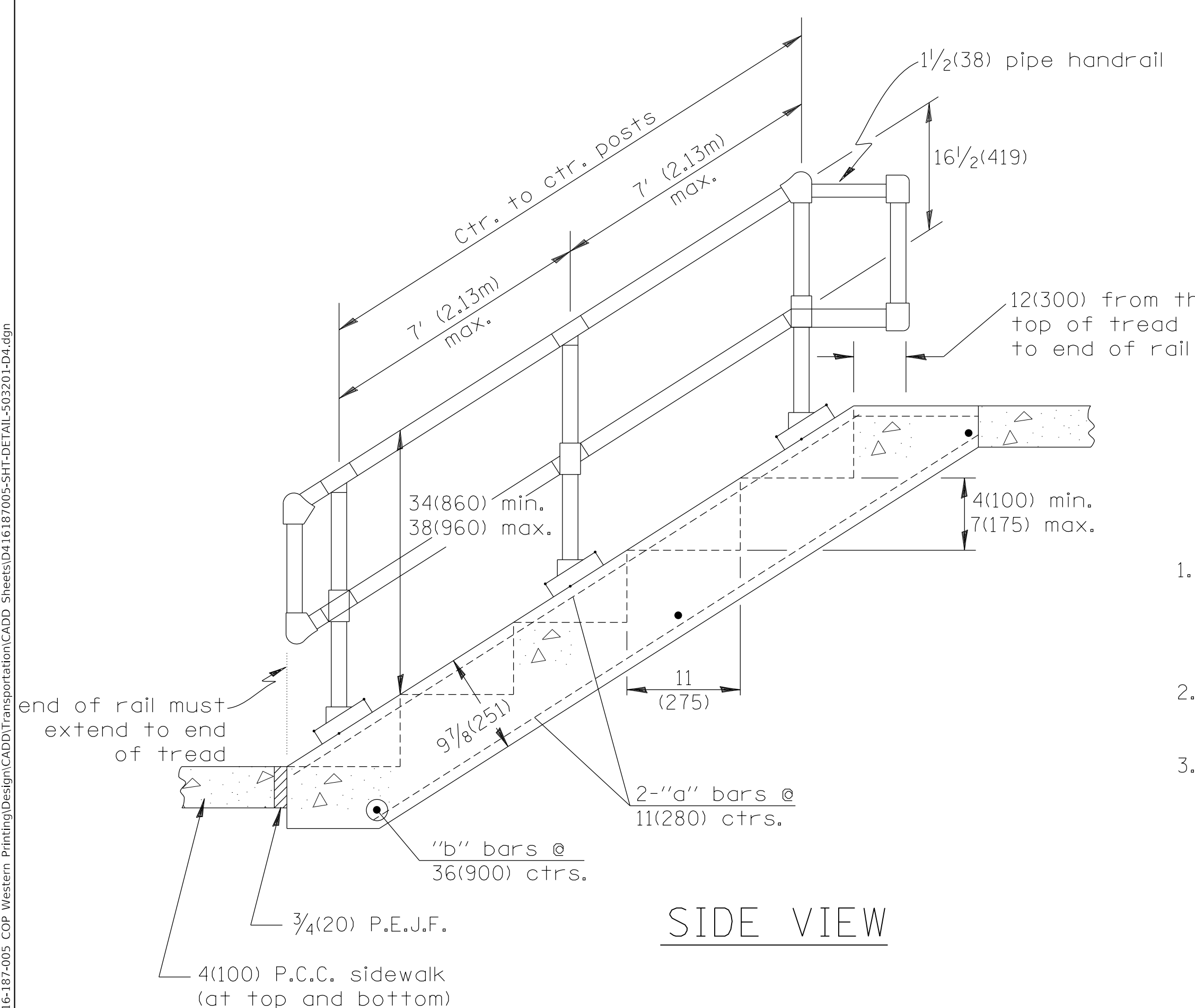


FRONT VIEW

SPECIAL CAST IRON OR STRUCTURAL STEEL FITTING



BUILT-IN ANCHOR BOLT  
5/8 DIA. (M16), 12(300) LONG  
(SEE GENERAL NOTE 3)



SIDE VIEW

GENERAL NOTES:

1. Pipe handrail shall be used only when there are 4 or more steps to be constructed. P.C. CONCRETE CLASS S1 shall be used throughtout. 1/4(6) drop at end of tread for drainage.
2. When 8 or more steps are to be constructed, an intermediate post shall be used.
3. An equivalent epoxy anchor stud can be used in place of anchor shown. Anchor bolt holes shall be 3/4(20) in diameter and 5(125) deep. They shall be pre-drilled with an electric hammer drill to a depth of 1(25) prior to use of pneumatic drill for the remaining 4(100). A two component encapsulated epoxy such as "parabond" or an equivalent shall be used. Installation shall be according to manufacturer's recommendations. The pipe handrail shall be galvanized by the hot dip process.

NO. OF STEPS	WIDTH IN.(mm)	CLASS "SI" CONCRETE CU. YDS. m <sup>3</sup>	#4(#15) REINFORCEMENT BARS				PIPE HANDRAIL LENGTH
			BAR	NO.	LGTH.	lbs(kg)	
1	36 (900)	0.17(0.13)	a	7	24(610)	14(10)	—
			b	2	3'-9"(1.14m)		
1	4'-0" (1.22m)	0.21(0.16)	a	8	24(610)	16(12)	—
			b	2	4'-9"(1.45m)		
2	36 (900)	0.26(0.20)	a	7	36(914)	20(14)	—
			b	2	3'-9"(1.14m)		
2	4'-0" (1.22m)	0.33(0.25)	a	8	36(914)	22(16)	—
			b	2	4'-9"(1.45m)		
3	36 (900)	0.35(0.27)	a	7	4'-0"(1.22m)	26(19)	—
			b	3	3'-9"(1.14m)		
3	4'-0" (1.22m)	0.45(0.34)	a	8	4'-0"(1.22m)	31(22)	—
			b	3	4'-9"(1.45m)		
4	36 (900)	0.44(0.34)	a	7	5'-0(1.52m)	31(24)	3'-4"(1.01m)
			b	3	3'-9"(1.14m)		
4	4'-0" (1.22m)	0.57(0.44)	a	8	5'-0(1.52m)	36(26)	3'-4"(1.01m)
			b	3	4'-9"(1.45m)		
5	36 (900)	0.53(0.41)	a	7	6'-0(1.83m)	38(27)	4'-5"(1.35m)
			b	4	3'-9"(1.14m)		
5	4'-0" (1.22m)	0.69(0.53)	a	8	6'-0(1.83m)	45(32)	4'-5"(1.35m)
			b	4	4'-9"(1.45m)		
6	36 (900)	0.62(0.47)	a	7	7'-0(2.13m)	43(31)	5'-6"(1.68m)
			b	4	3'-9"(1.14m)		
6	4'-0" (1.22m)	0.81(0.62)	a	8	7'-0(2.13m)	50(36)	5'-6"(1.68m)
			b	4	4'-9"(1.45m)		
7	36 (900)	0.71(0.54)	a	7	8'-0(2.44m)	49(56)	6'-7"(2.01m)
			b	5	3'-9"(1.14m)		
7	4'-0" (1.22m)	0.93(0.71)	a	8	8'-0(2.44m)	59(42)	6'-7"(2.01m)
			b	5	4'-9"(1.45m)		
8	36 (900)	0.80(0.61)	a	7	9'-0(2.74m)	55(39)	7'-8"(2.34m)
			b	5	3'-9"(1.14m)		
8	4'-0" (1.22m)	1.05(0.80)	a	8	9'-0(2.74m)	64(46)	7'-8"(2.34m)
			b	5	4'-9"(1.45m)		
9	36 (900)	0.89(0.68)	a	7	10'-0(3.05m)	62(44)	8'-9"(2.67m)
			b	6	3'-9"(1.14m)		
9	4'-0" (1.22m)	1.17(0.89)	a	8	10'-0(3.05m)	72(52)	8'-9"(2.67m)
			b	6	4'-9"(1.45m)		
10	36 (900)	0.98(0.75)	a	7	11'-0(3.35m)	66(48)	9'-10"(2.67m)
			b	6	3'-9"(1.14m)		
10	4'-0" (1.22m)	1.29(0.99)	a	8	11'-0(3.35m)	78(56)	9'-10"(2.67m)
			b	6	4'-9"(1.45m)		

QUANTITIES	
CALC. BY: _____	DATE: _____
CHECKED BY: _____	DATE: _____
QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION	

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

DESIGNER NOTES: DETAIL FOR PRIVATE RESIDENCE, NOT COMMERCIAL USE. COMMERCIAL MUST FIT ADA REQUIREMENTS.

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

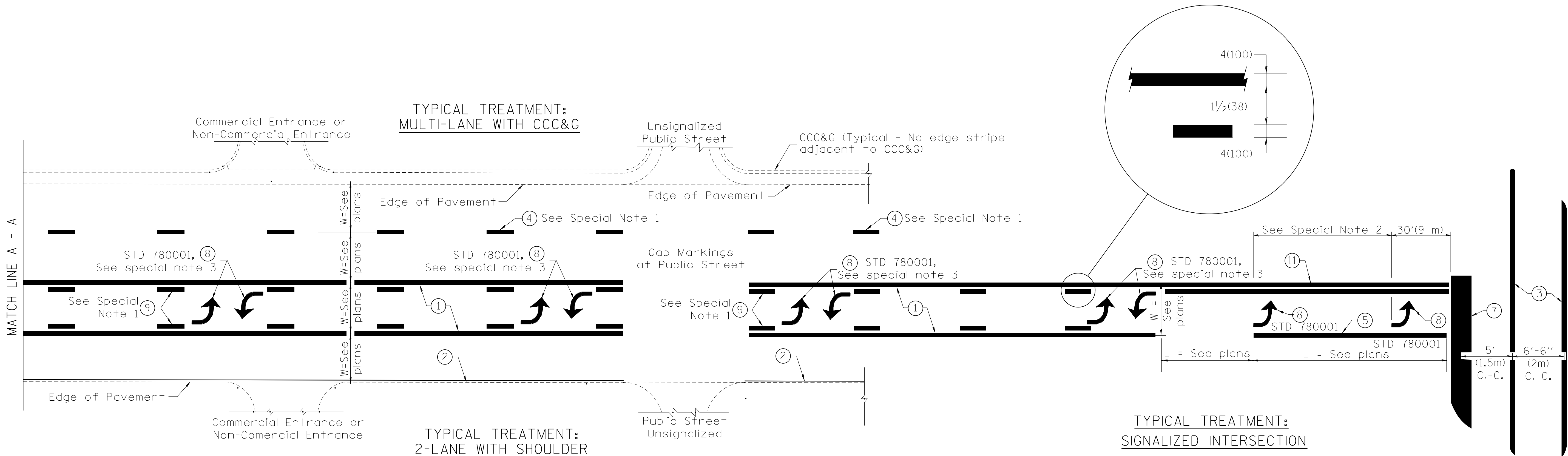
**IDOT DISTRICT 4 DETAIL-503201  
CONCRETE STEPS AND PIPE HANDRAILS**

SCALE: NTS SHEET 3 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	369
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		

MODEL Default: 1 Include State Standard 780001 (Typical Pavement Markings)  
 FILE NAME: C:\projects\16-187405 COP Western Illinois Design\CD\Transportation\CAD Sheets\0410 16-187405-04-01-01-01-01.dgn

DESIGNER NOTES:



**FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION**

**TYPICAL PAVEMENT MARKING LEGEND**

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m) min C.-C. (White)  
2-8(200) Crosswalk @ 6'-6" (2m) min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) ⑩
- ⑪ 4(100) Double Solid (Yellow) ⑪

**SPECIAL NOTES**

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
  - A. A minimum of two (2) arrows is required.
  - B. The maximum spacing between arrows is 80' (24 m).
  - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
  - A. A minimum of two (2) arrow pairs is required.
  - B. The maximum spacing between arrow pairs is 200' (61 m).
  - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
  - D. The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

**GENERAL NOTES**

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
3. Refer to Article 780.13 for letter, number and symbol areas (sq. ft.).
4. Areas are grooved 1" beyond each edge for the following symbols:
  - Through Arrow= 14.8 sq. ft.
  - Large Left or Right Arrow= 21.9 sq. ft.
  - 2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.
  - Wrong Way Arrow= 29.5 sq. ft.
  - Railroad Crossing Symbol= 69.8 sq. ft.
 (For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)



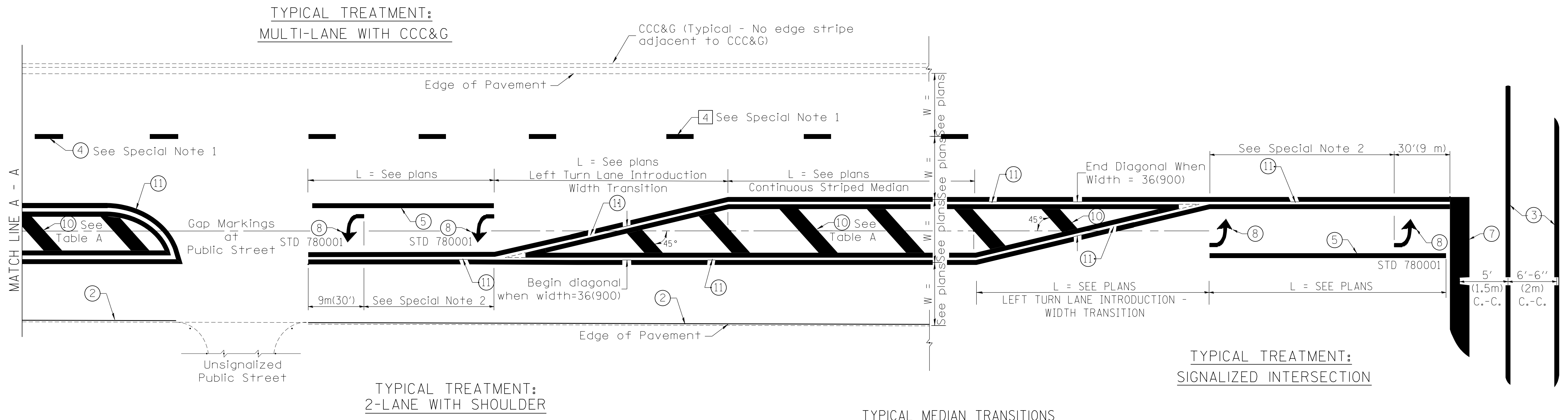
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IDOT DISTRICT 4 DETAIL-780001 (1 OF 2)  
TYPICAL PAVEMENT MARKING**

SCALE: NTS      SHEET 4 OF 5 SHEETS      STA.      TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	370
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS FED. AID PROJECT				

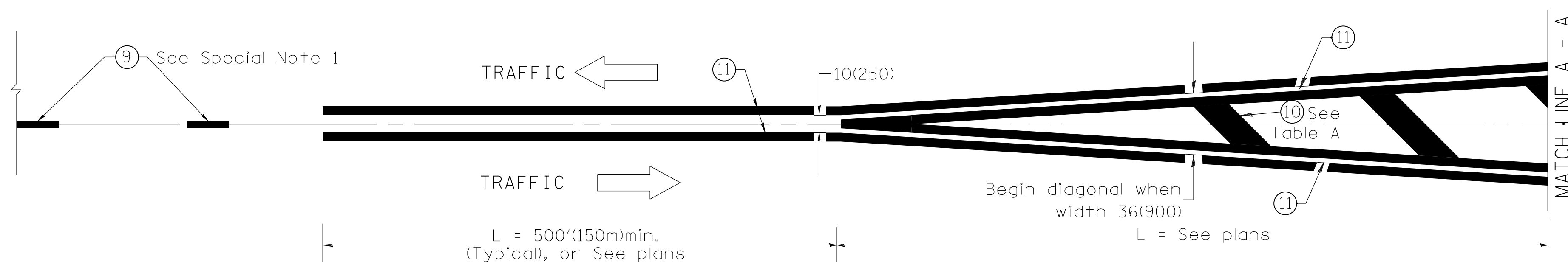


TYPICAL MEDIAN TRANSITIONS

FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A  
RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)	
	CONTINUOUS	
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)



MEDIAN INTRODUCTION - WIDTH TRANSITIONS

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

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IDOT DISTRICT 4 DETAIL-780001 (2 OF 2)  
TYPICAL PAVEMENT MARKING

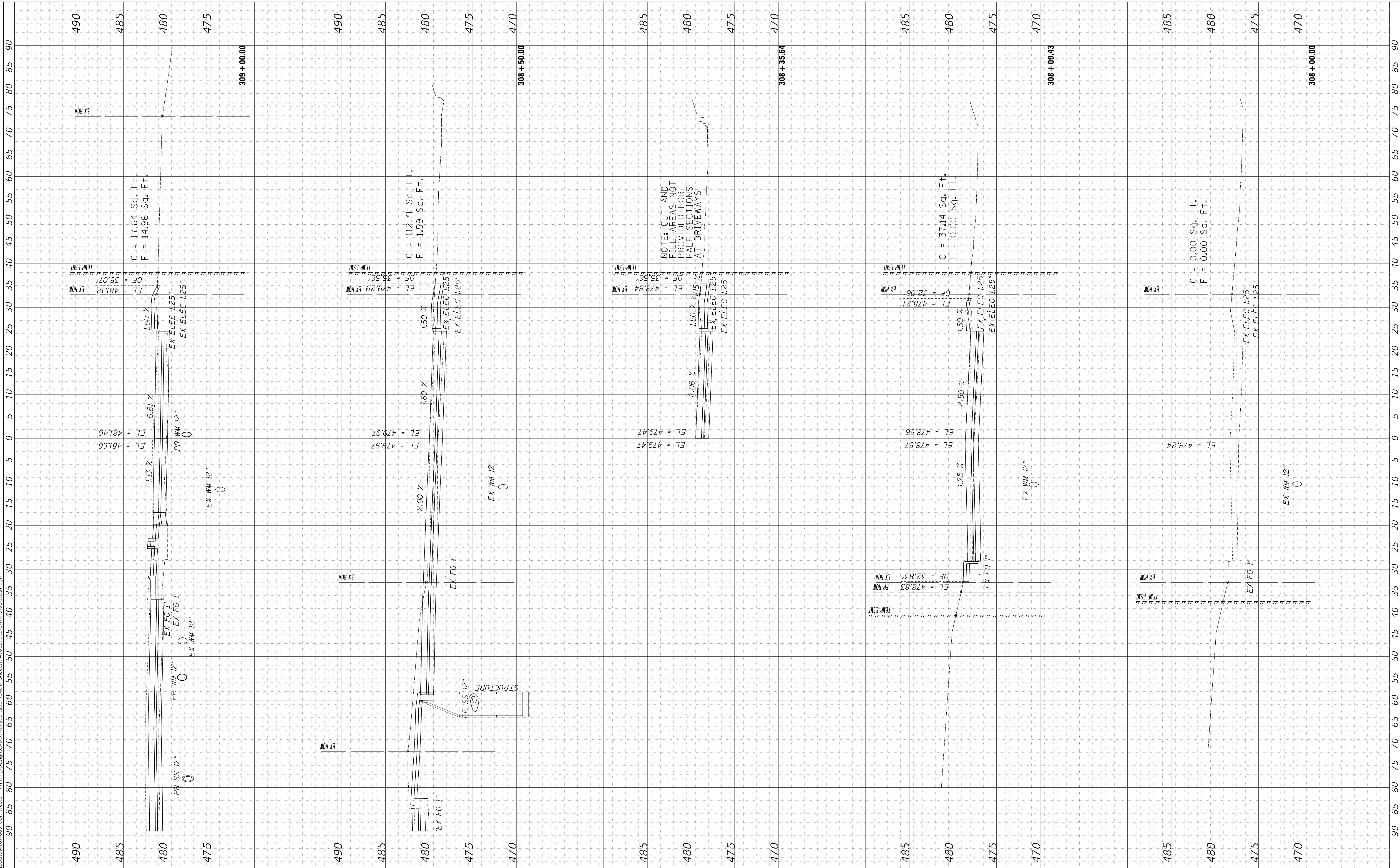
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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WESTERN AVE RECONSTRUCTION			CONTRACT NO. 89766	
ILLINOIS FED. AID PROJECT				

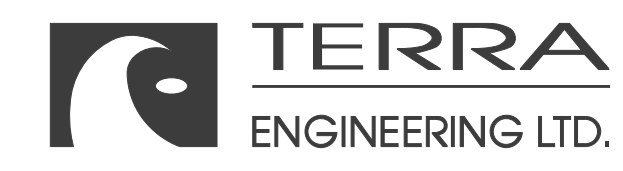
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ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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NOTE: CUT AND FILL AREAS NOT PROVIDED FOR HALF SECTIONS AT DRIVEWAYS



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 CHECKED - ET  
 DATE - 2/21/2020

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 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=10H, 1"=5V SHEET 1 OF 30 SHEETS STA. 308+00.00 TO STA. 309+00.00

CROSS SECTIONS  
 WESTERN AVENUE

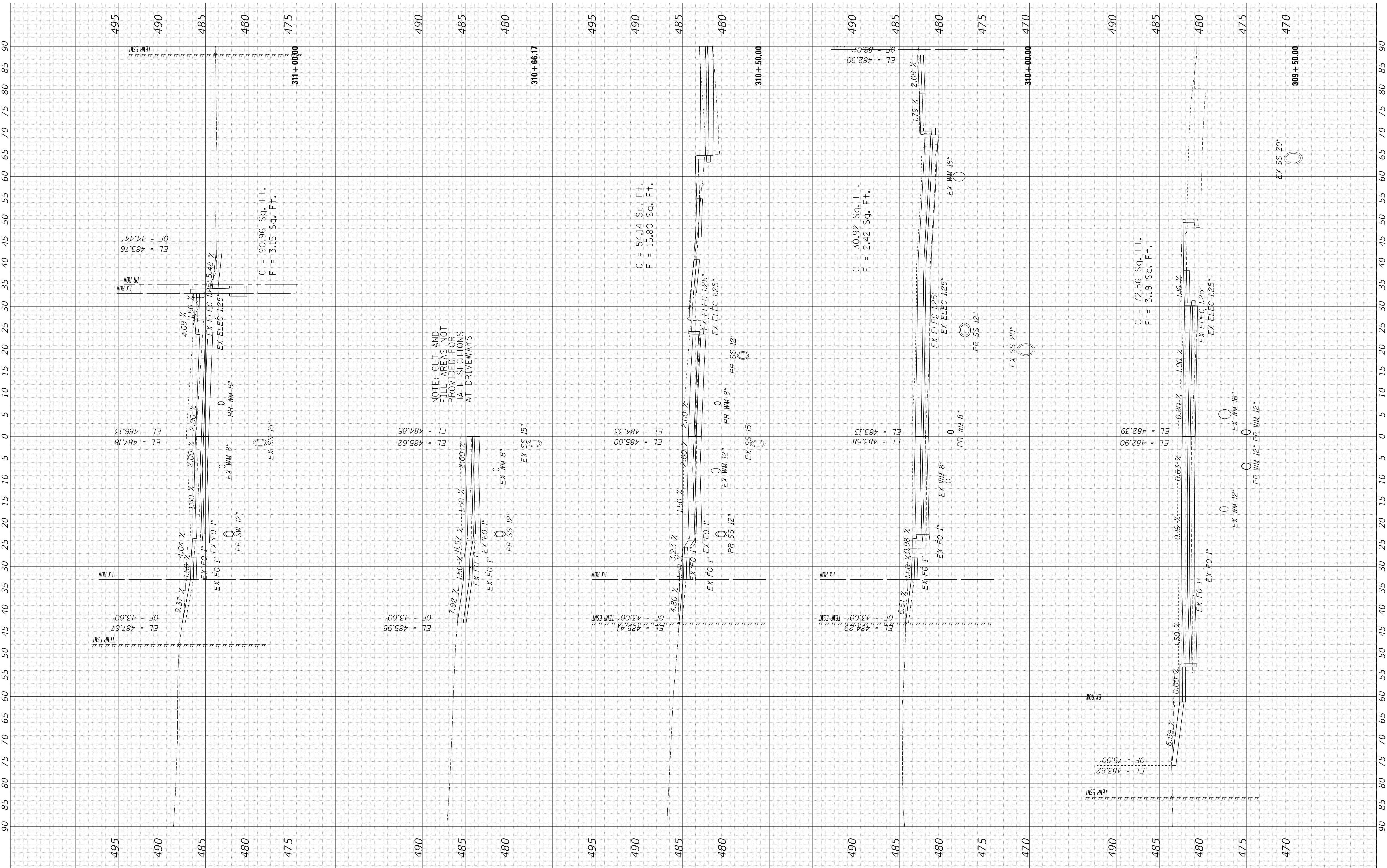
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6594	16-00368-01-PV	PEORIA	422	372
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		



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NO.	TEMPLATE		
	AREAS CHECKED		

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NOTE: CUT AND FILL AREAS NOT PROVIDED FOR HALF SECTIONS AT DRIVEWAYS

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
WESTERN AVENUE**

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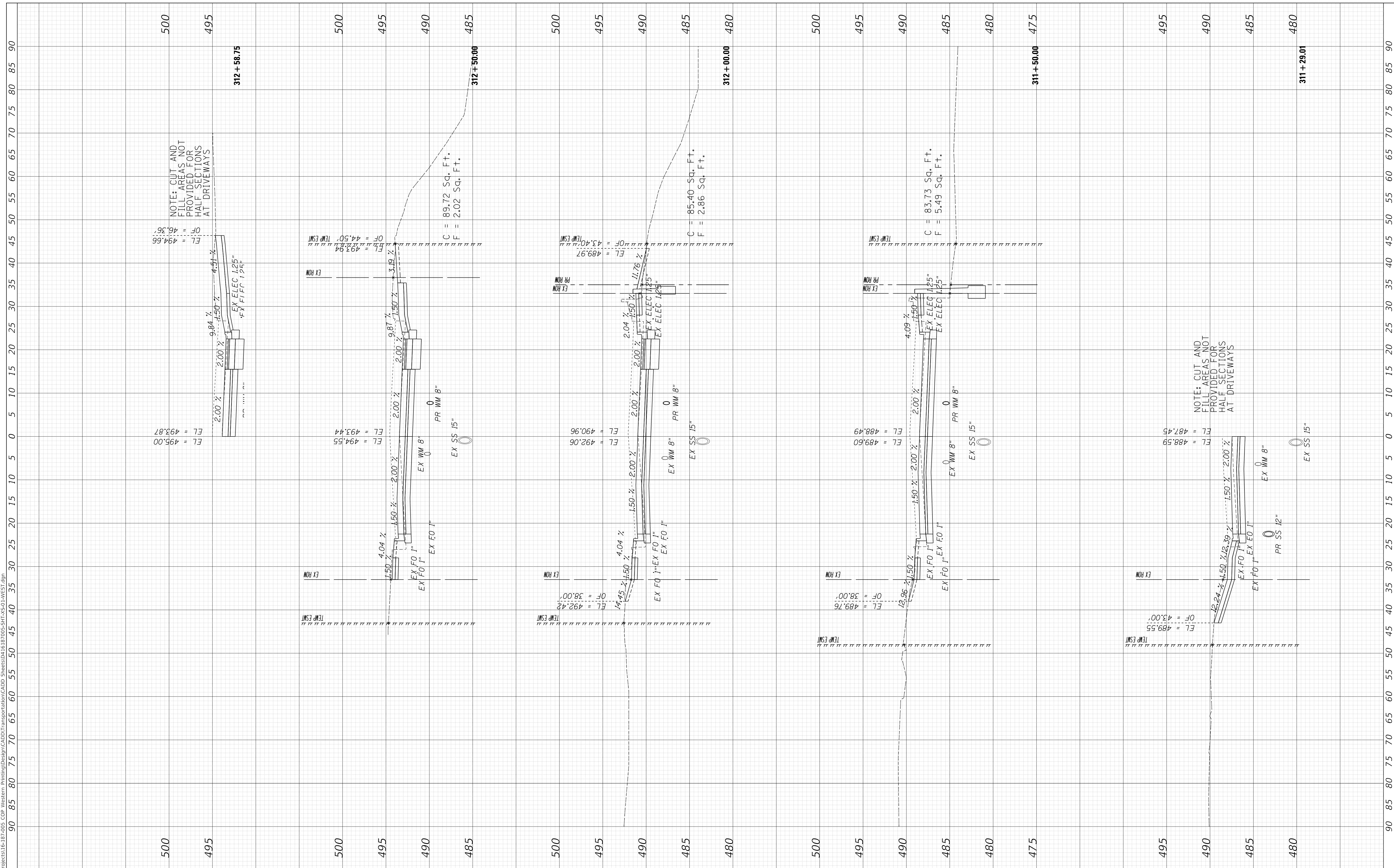
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	373
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		

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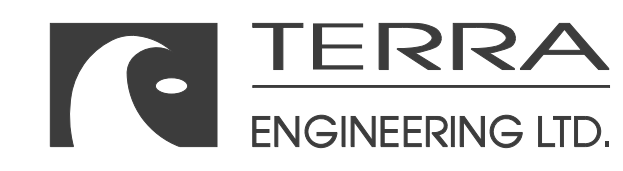
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NOTE: CUT AND FILL AREAS NOT PROVIDED FOR HALF SECTIONS AT DRIVEWAYS

NOTE: CUT AND FILL AREAS NOT PROVIDED FOR HALF SECTIONS AT DRIVEWAYS



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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 WESTERN AVENUE

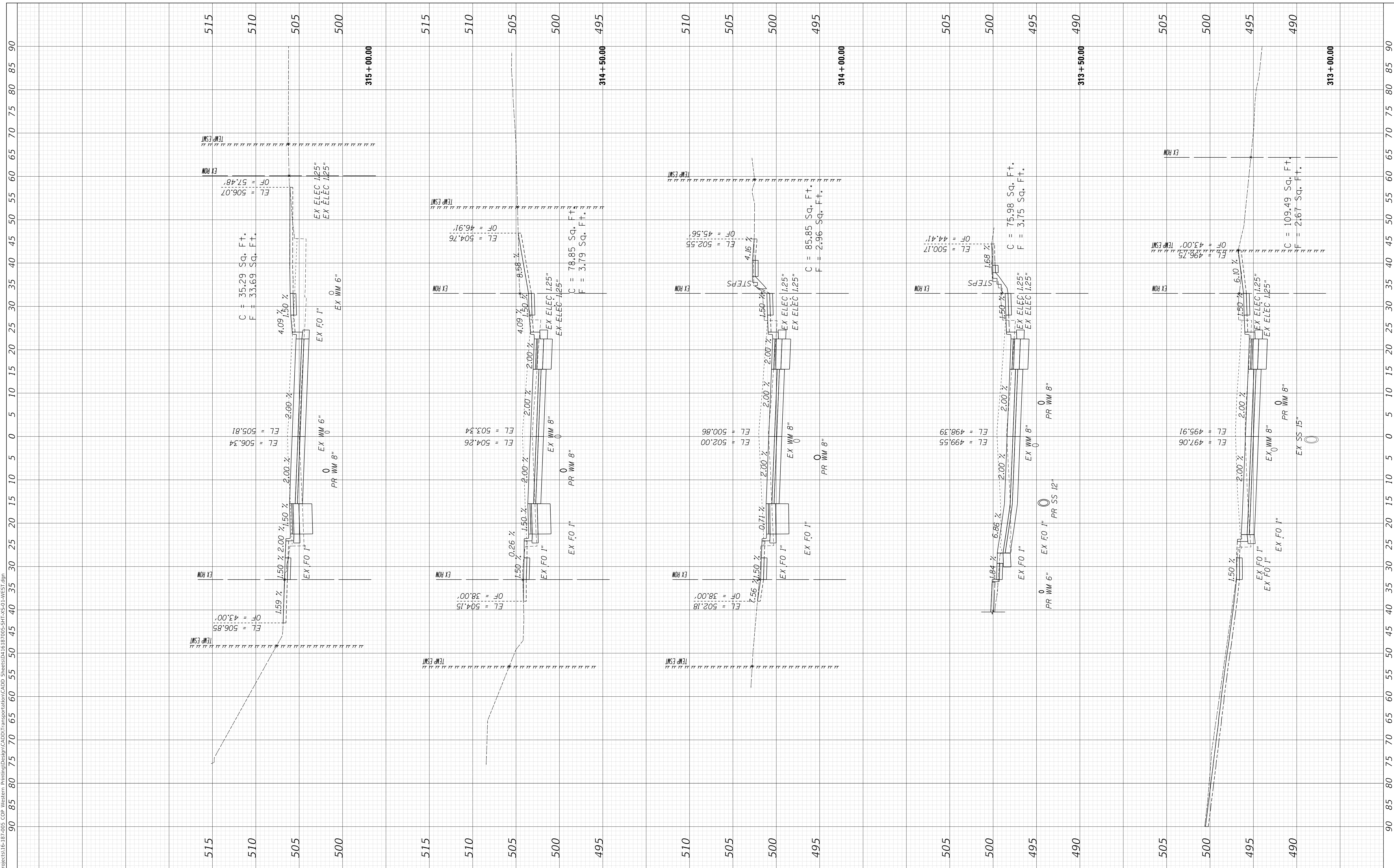
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	374
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		

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DRAWN	- CC
CHECKED	- ET
DATE	- 2/21/2020

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
WESTERN AVENUE

SCALE: 1"=10H, 1"=5V
SHEET 4
OF 30 SHEETS
STA. 313+00.00 TO STA. 315+00.00

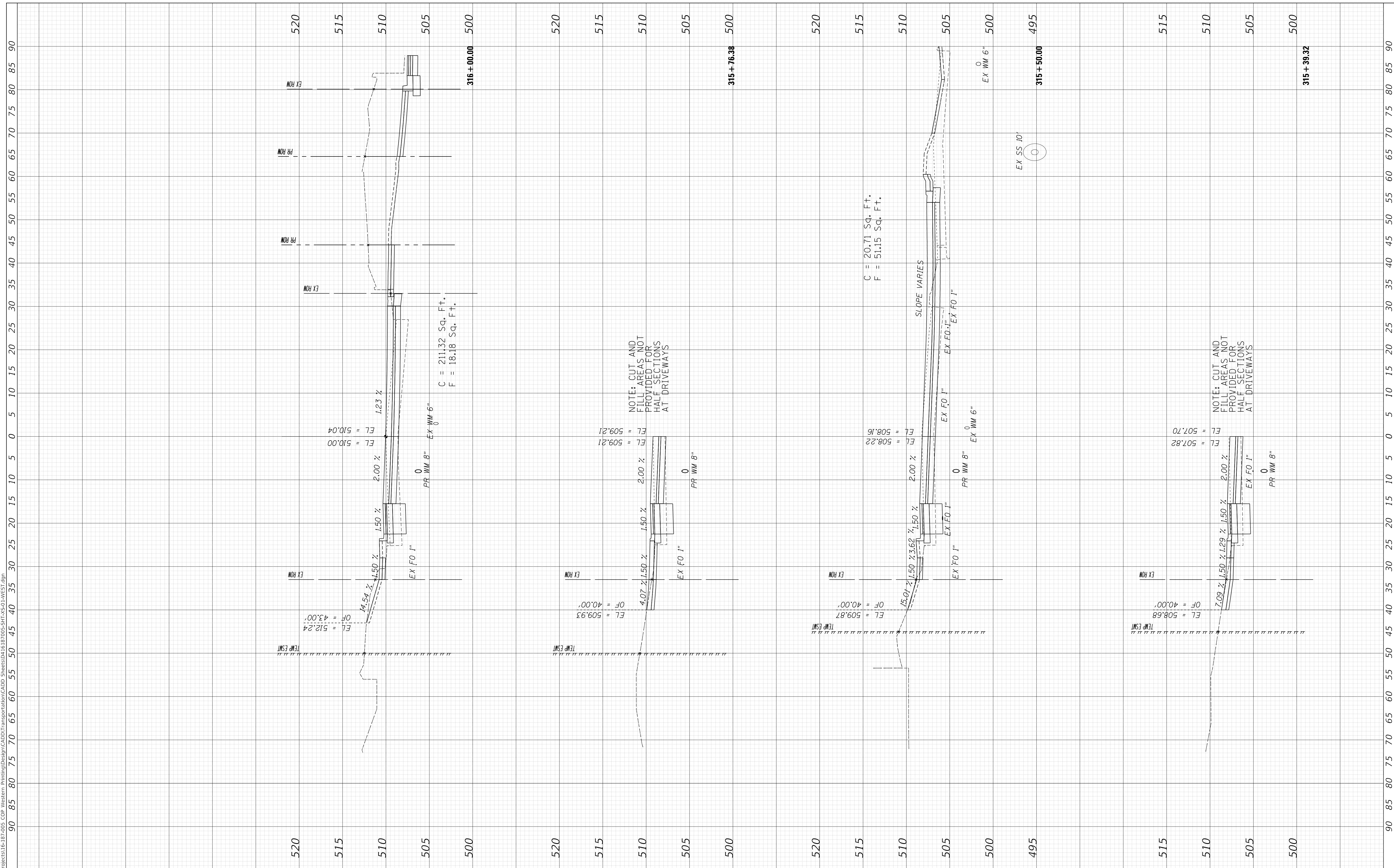
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WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		

SCALE: 1"=10H, 1"=5V
SHEET 4
OF 30 SHEETS
STA. 313+00.00 TO STA. 315+00.00

FINAL SURVEY	SURVEYED	BY	DATE
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STATE OF ILLINOIS	CROSS SECTIONS
DEPARTMENT OF TRANSPORTATION	WESTERN AVENUE

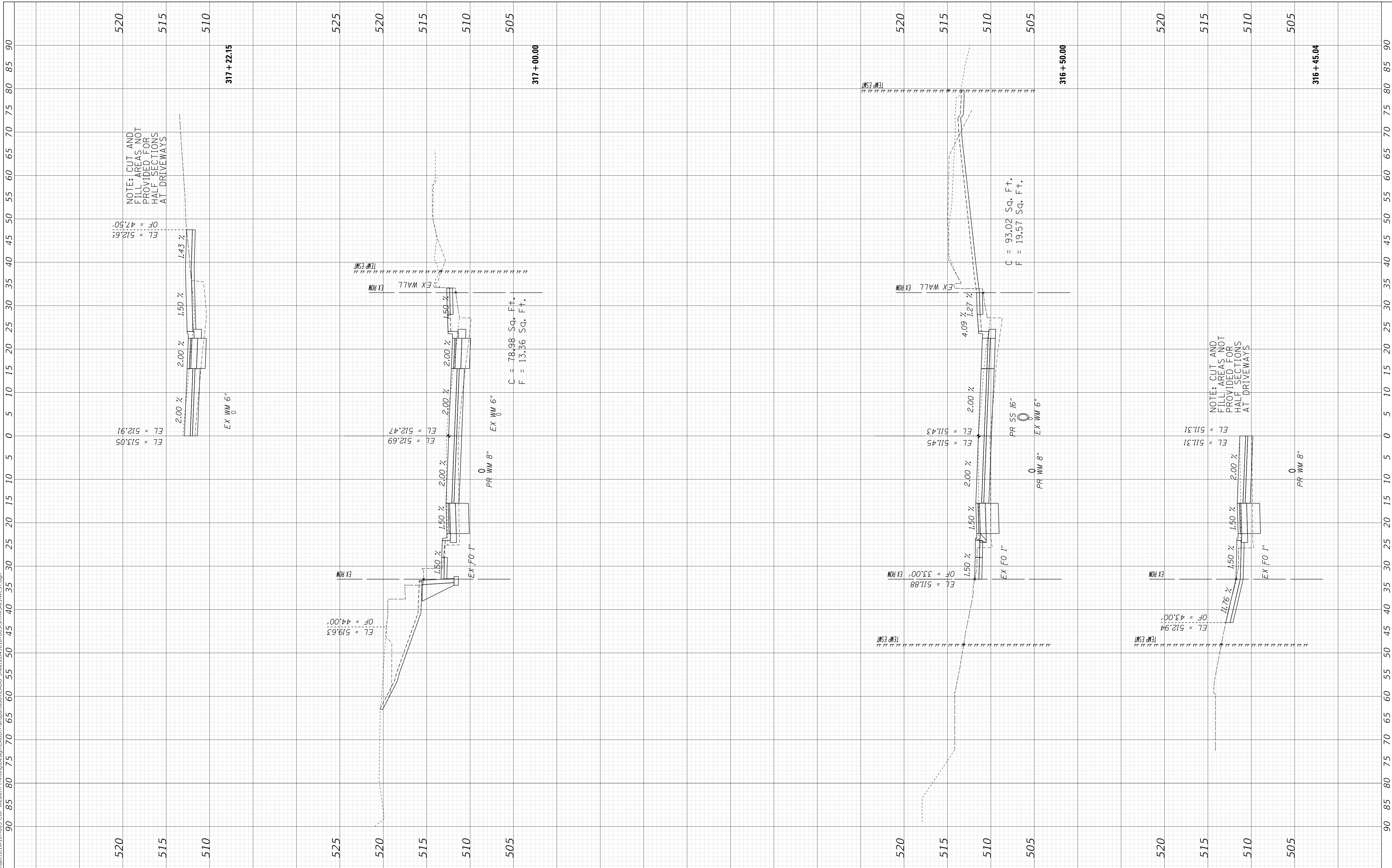
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	376
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS		FED. AID PROJECT		

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NOTE: CUT AND FILL AREAS NOT PROVIDED FOR HALF SECTIONS AT DRIVEWAYS

NOTE: CUT AND FILL AREAS NOT PROVIDED FOR HALF SECTIONS AT DRIVEWAYS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
WESTERN AVENUE

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SCALE: 1"=10H, 1"=5V SHEET 6 OF 30 SHEETS STA. 316+45.04 TO STA. 317+22.15

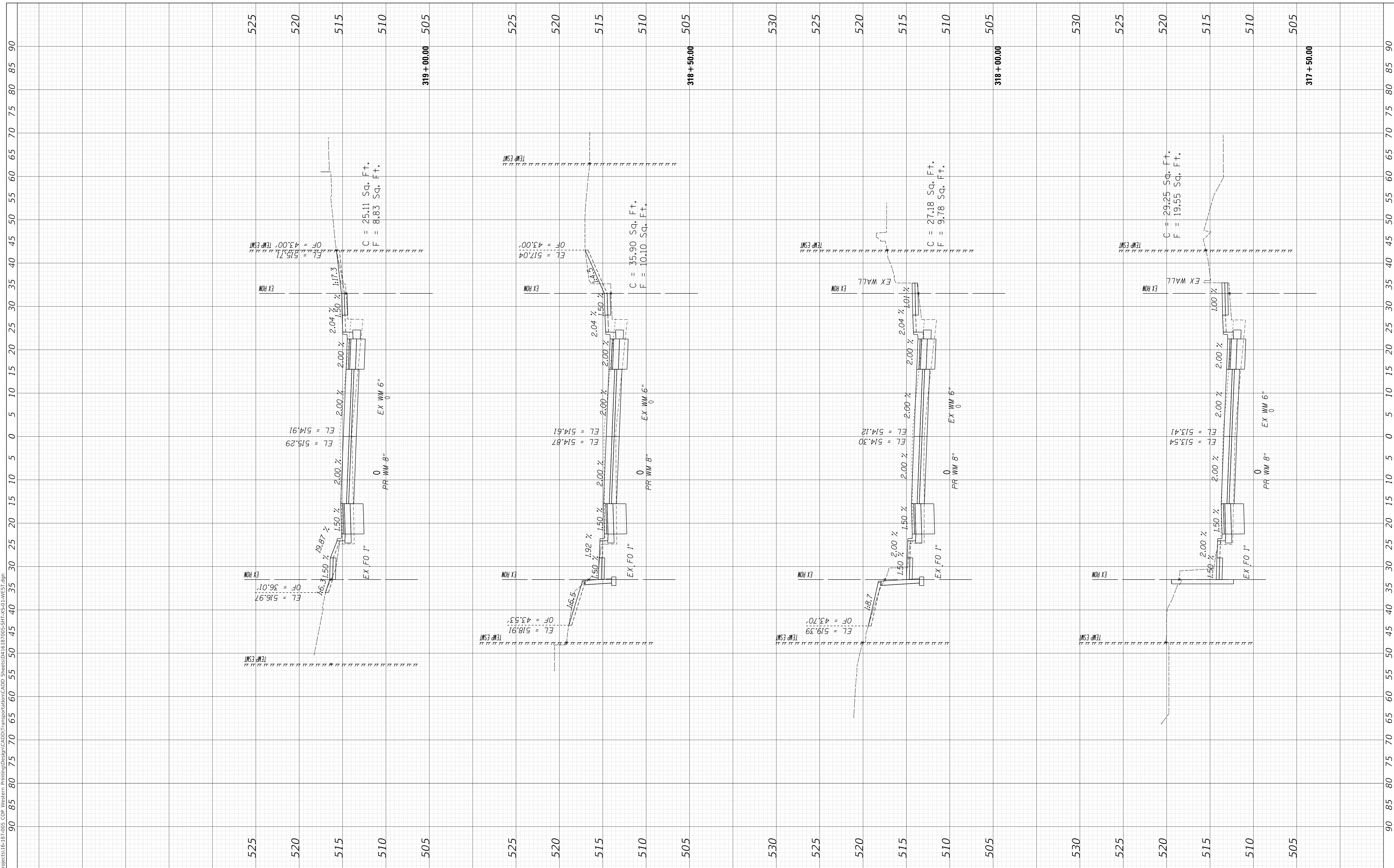
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6594	16-00368-01-PV	PEORIA	422	377
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		



FINAL SURVEY	SURVEYED	BY	DATE
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ORIGINAL SURVEY	SURVEYED	BY	DATE
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NO.	TEMPLATE		
	AREAS CHECKED		

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
WESTERN AVENUE**

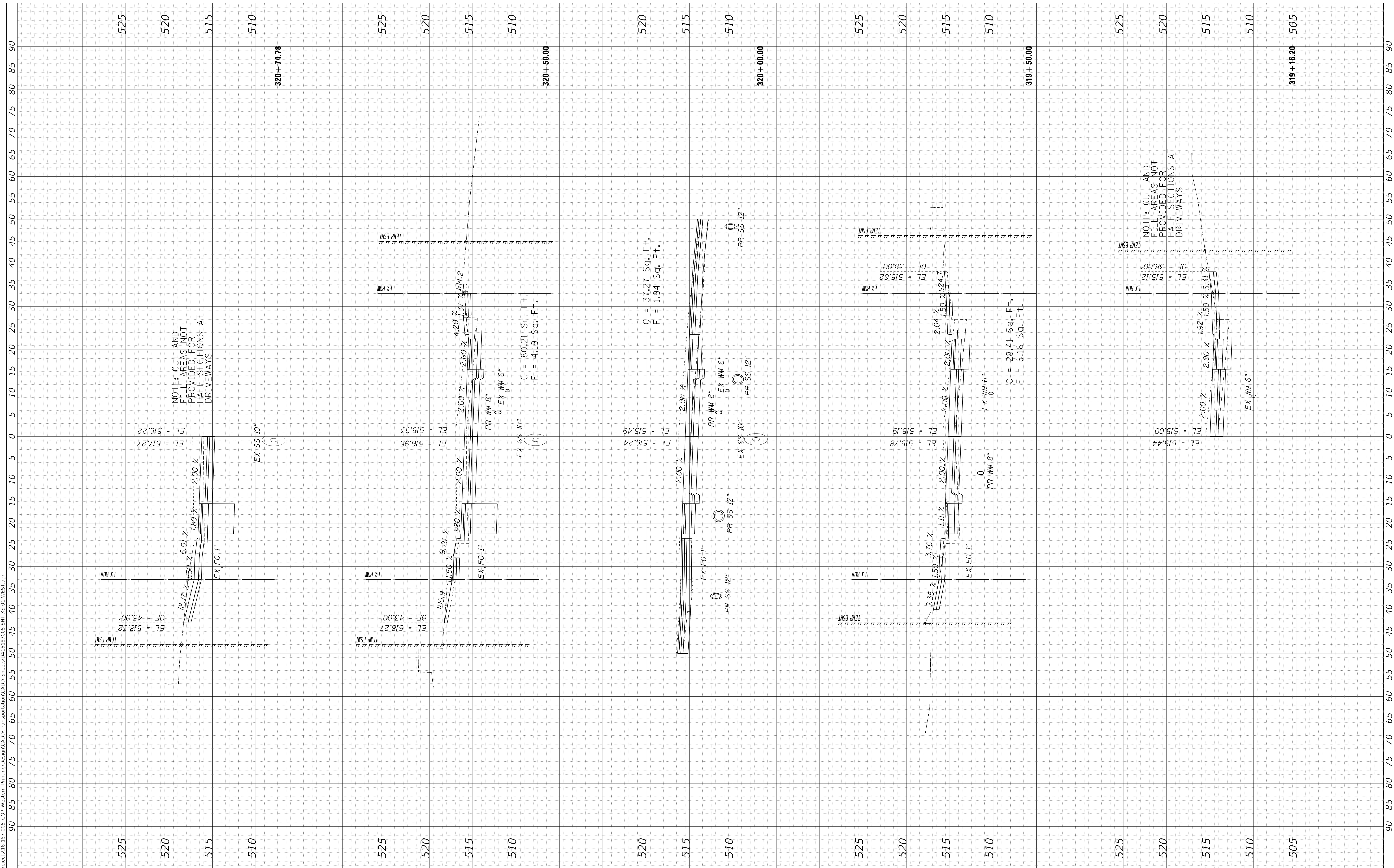
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	378
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY	SURVEYED	BY	DATE
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NOTE: CUT AND FILL AREAS NOT PROVIDED FOR HALF SECTIONS AT DRIVEWAYS

NOTE: CUT AND FILL AREAS NOT PROVIDED FOR HALF SECTIONS AT DRIVEWAYS

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
WESTERN AVENUE**

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CHECKED	- ET
DATE	- 2/21/2020

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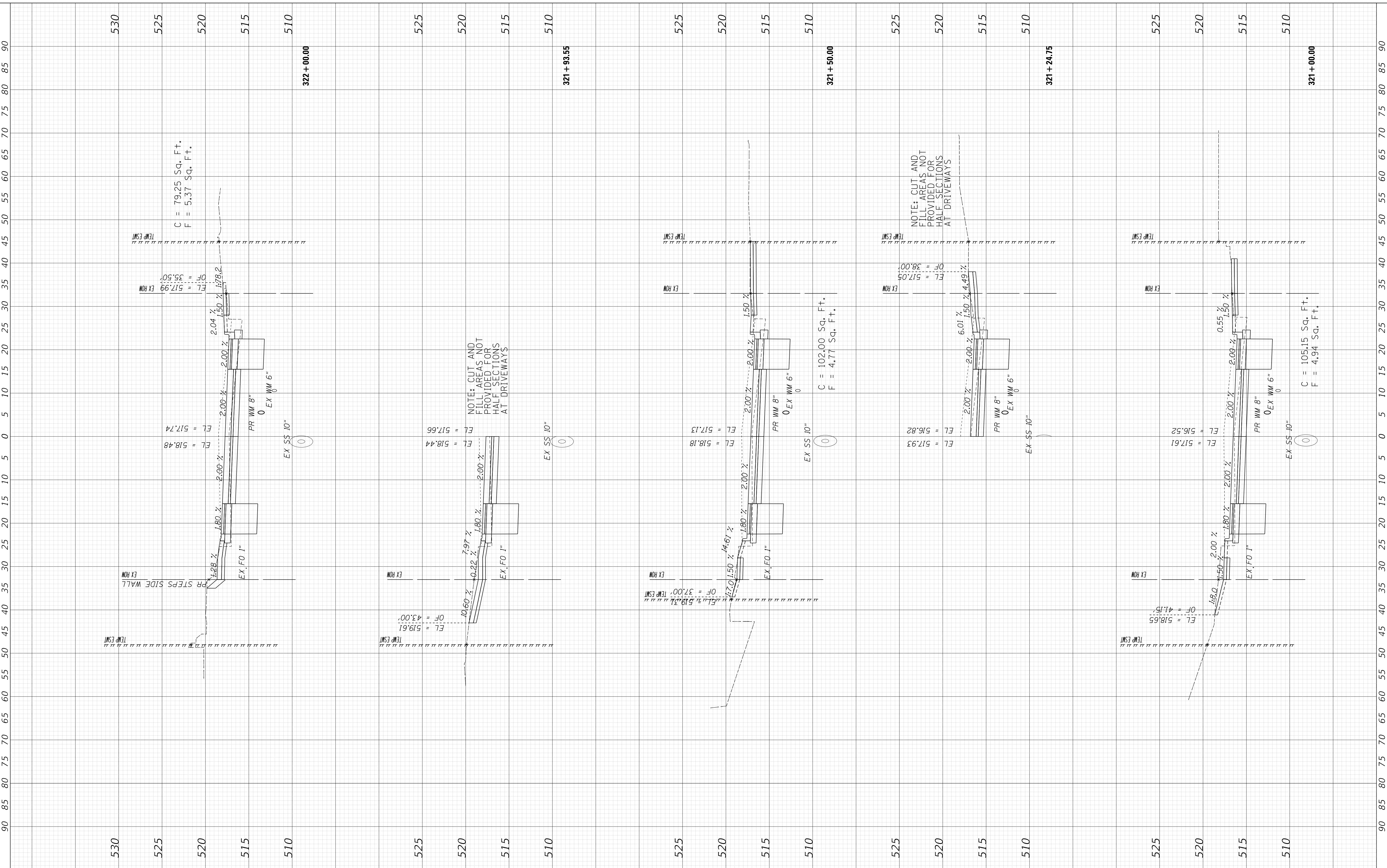
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WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		



FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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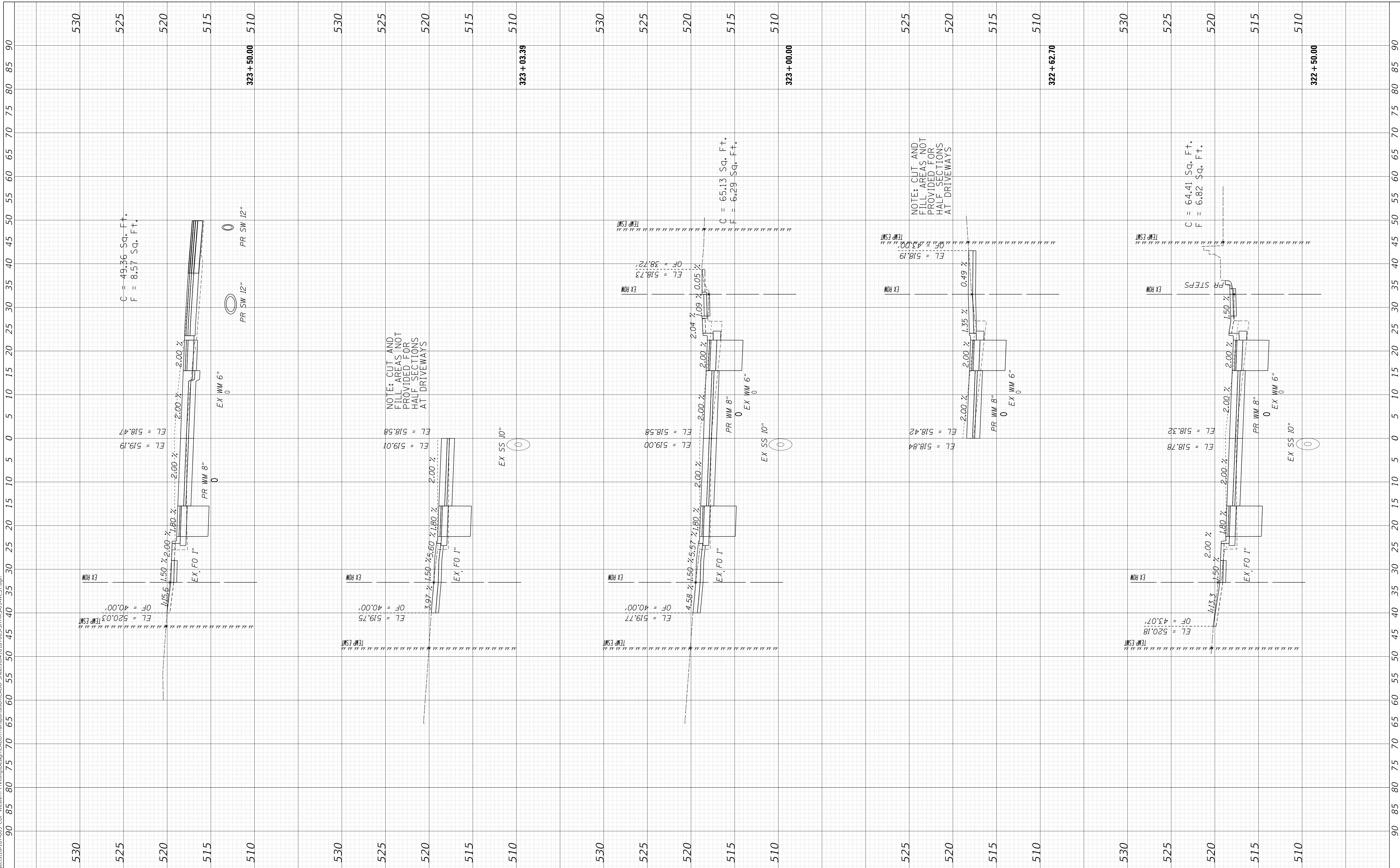
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NO.	TEMPLATE		
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NO.	TEMPLATE		
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PLOT DATE	= 2/24/2020 10:12:38 AM

DESIGNED	- CC
DRAWN	- CC
CHECKED	- ET
DATE	- 2/21/2020

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 WESTERN AVENUE**

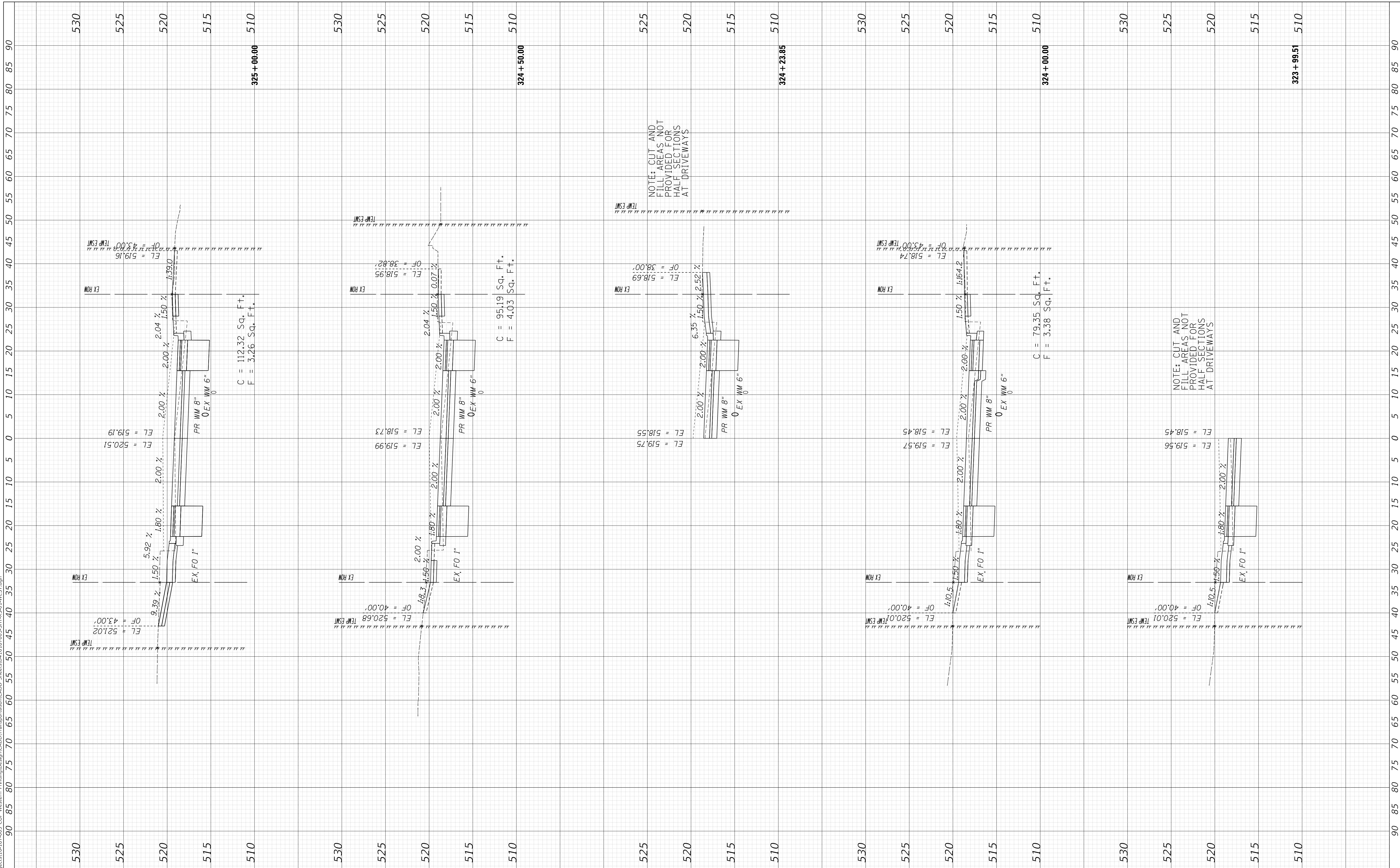
SCALE: 1"=10H, 1"=5V SHEET 10 OF 30 SHEETS STA. 322+50.00 TO STA. 323+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	381
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		

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

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

MODEL: XS\_SHEET\_temporary\_model\_name\_11  
 FILE NAME: I:\projects\16-187-005 COP - Western Printing\Design\CADD\Transportation\CADD\_Sheets\016-187005-SHT-XS-01-WEST.dgn



USER NAME =	alphonsee
FILENAME =	D416187005-SHT-XS-01-WEST.dgn
PLOT SCALE =	10.0000" / in.
PLOT DATE =	2/24/2020 10:12:40 AM

DESIGNED -	CC
DRAWN -	CC
CHECKED -	ET
DATE -	2/21/2020

REVISED -	
REVISED -	
REVISED -	
REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=10H, 1"=5V	SHEET 11	OF 30 SHEETS	STA. 323+99.51 TO STA. 325+00.00
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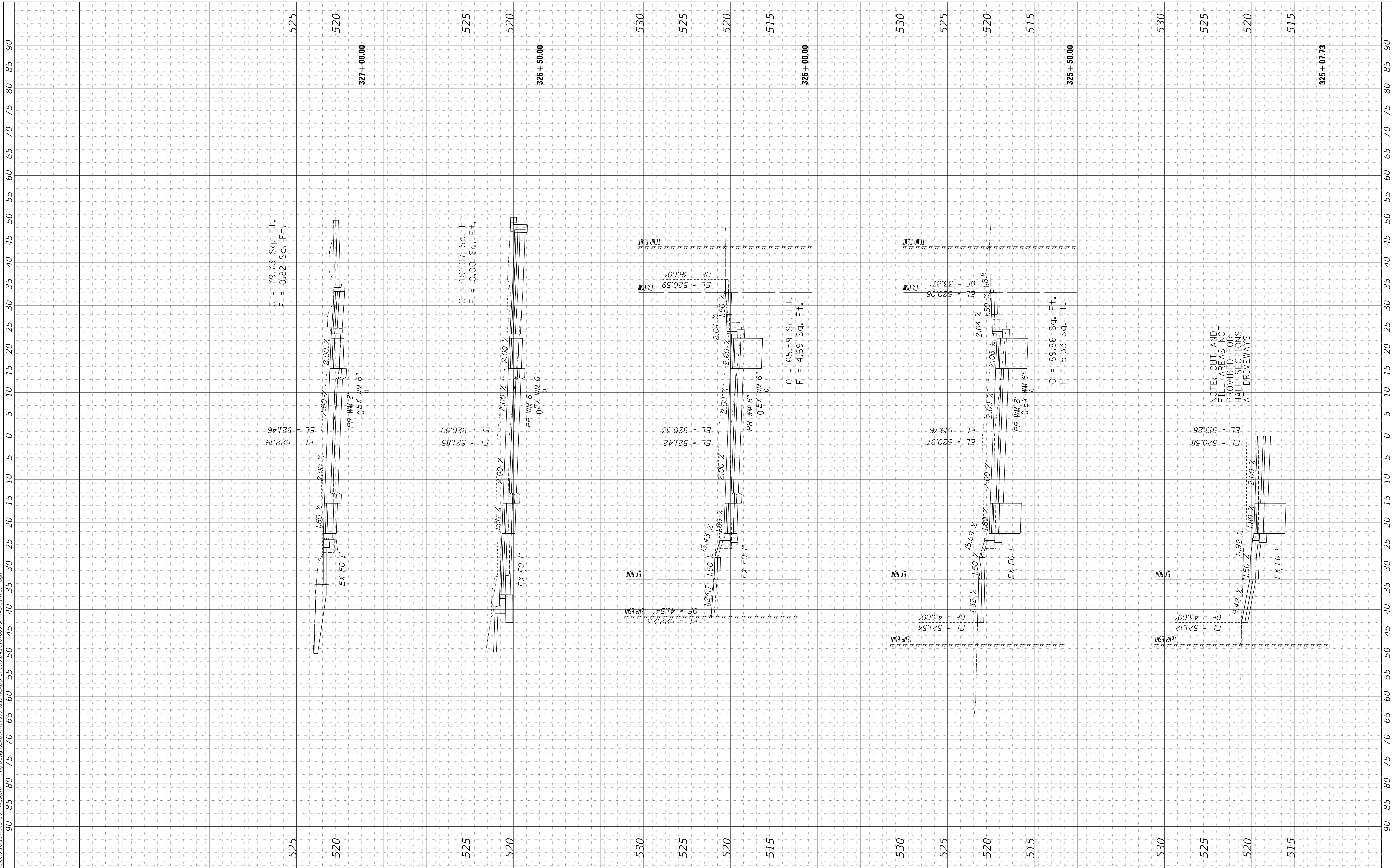
**CROSS SECTIONS  
 WESTERN AVENUE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	382
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		

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

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

MODEL: XS\_SHEET temporary\_model\_name\_12  
 FILE NAME: I:\projects\16-187405 COP - Western Printing\Design\CADD\Transportation\CADD\_Sheets\016187005-SHT-XS-01-WEST.dgn



NOTE: CUT AND FILL AREAS NOT PROVIDED FOR HALF SECTIONS AT DRIVEWAYS



USER NAME =	alphonsee
FILENAME =	D:\16187005-SHT-XS-01-WEST.dgn
PLOT SCALE =	10.0000' / in.
PLOT DATE =	2/24/2020 10:12:42 AM
DESIGNED -	CC
DRAWN -	CC
CHECKED -	ET
DATE -	2/21/2020

REVISED -	-
REVISED -	-
REVISED -	-
REVISED -	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 WESTERN AVENUE**

SCALE: 1"=10H, 1"=5V SHEET 12 OF 30 SHEETS STA. 325+07.73 TO STA. 327+00.00

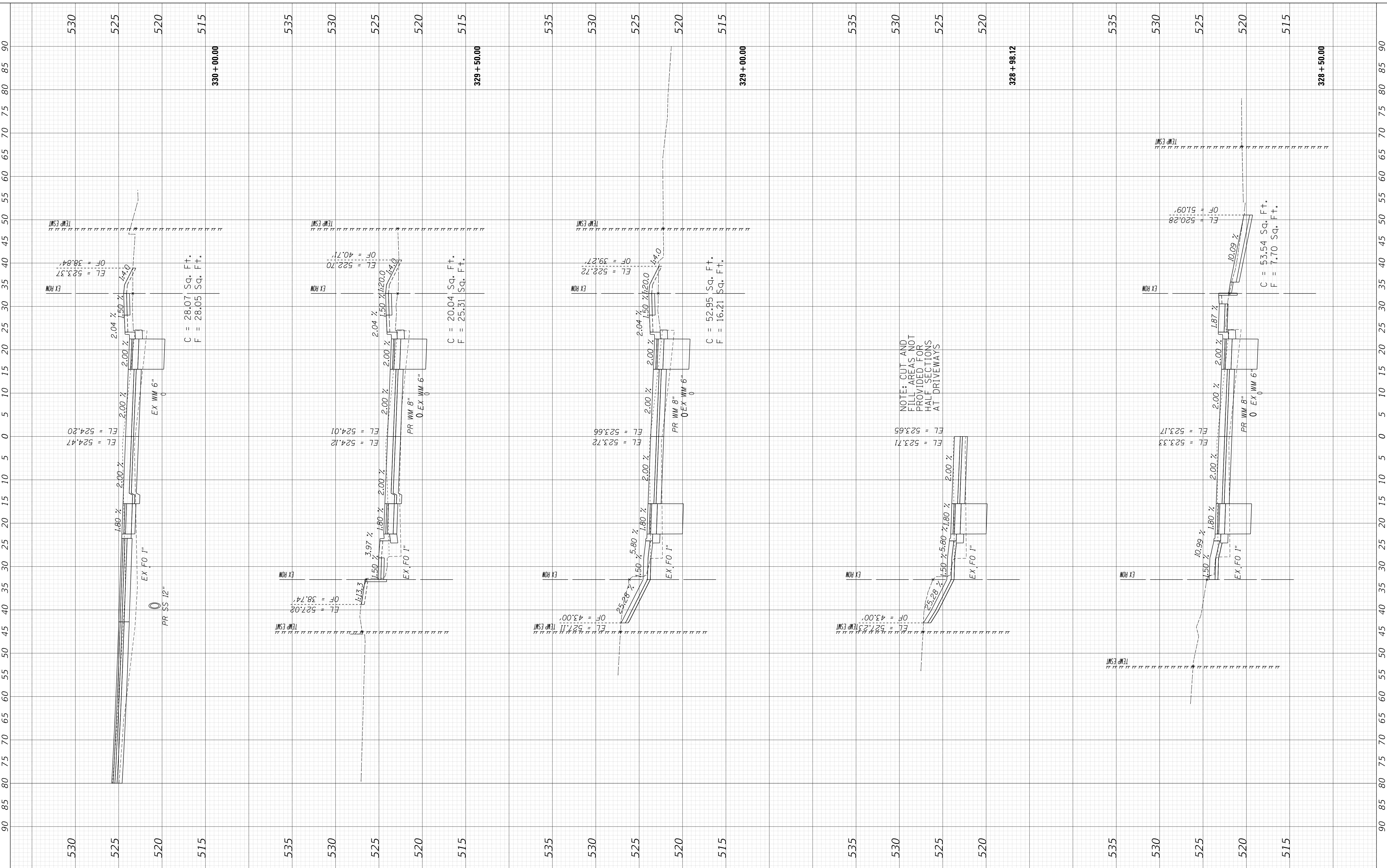
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	383
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		



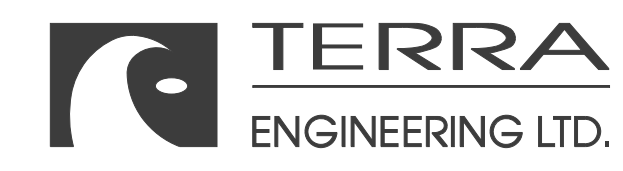
FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		

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

MODEL: XS\_SHEET\_Temporary\_model\_name\_14  
 FILE NAME: I:\projects\16187405 COP - Western Printing\Design\CADD\Transportation\CADD\_Sheets\016187405-SHT-XS-01-WEST.dgn



NOTE: CUT AND FILL AREAS NOT PROVIDED FOR HALF SECTIONS AT DRIVEWAYS



USER NAME	= alphonse
FILENAME	= D416187005-SHT-XS-01-WEST.dgn
PLOT SCALE	= 10.0000' / in.
PLOT DATE	= 2/24/2020 10:12:46 AM

DESIGNED	- CC
DRAWN	- CC
CHECKED	- ET
DATE	- 2/21/2020

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=10H, 1"=5V SHEET 14 OF 30 SHEETS STA. 328+50.00 TO STA. 330+00.00

**CROSS SECTIONS  
 WESTERN AVENUE**

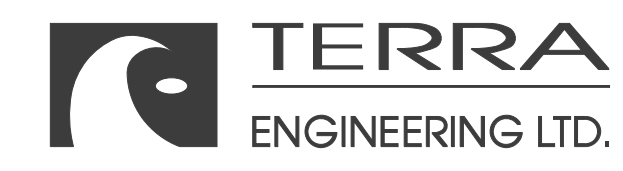
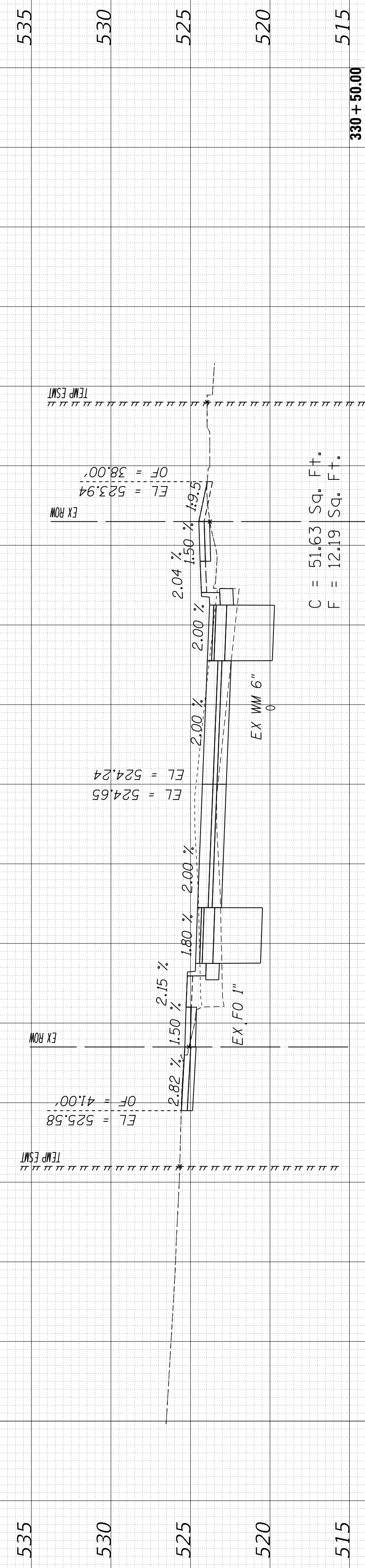
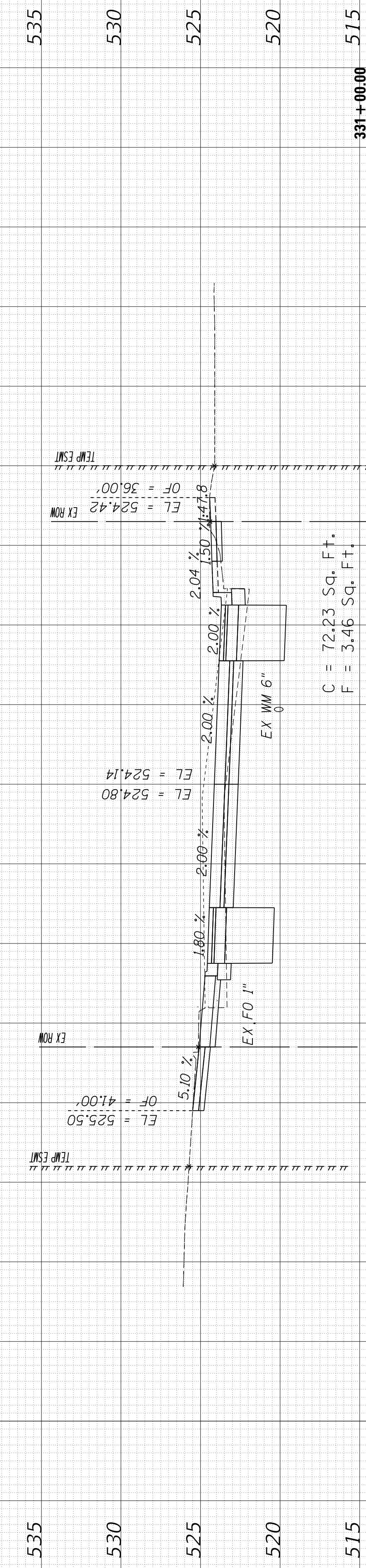
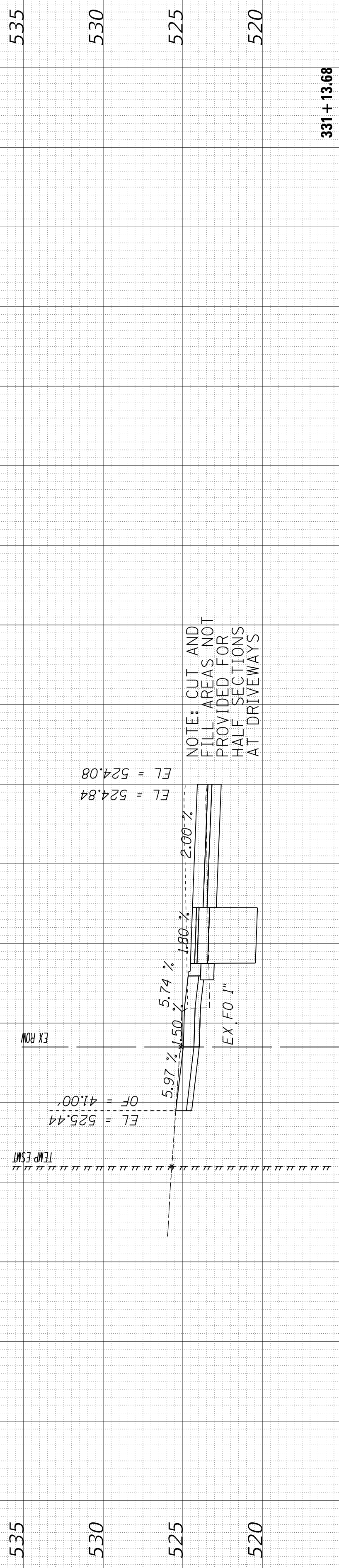
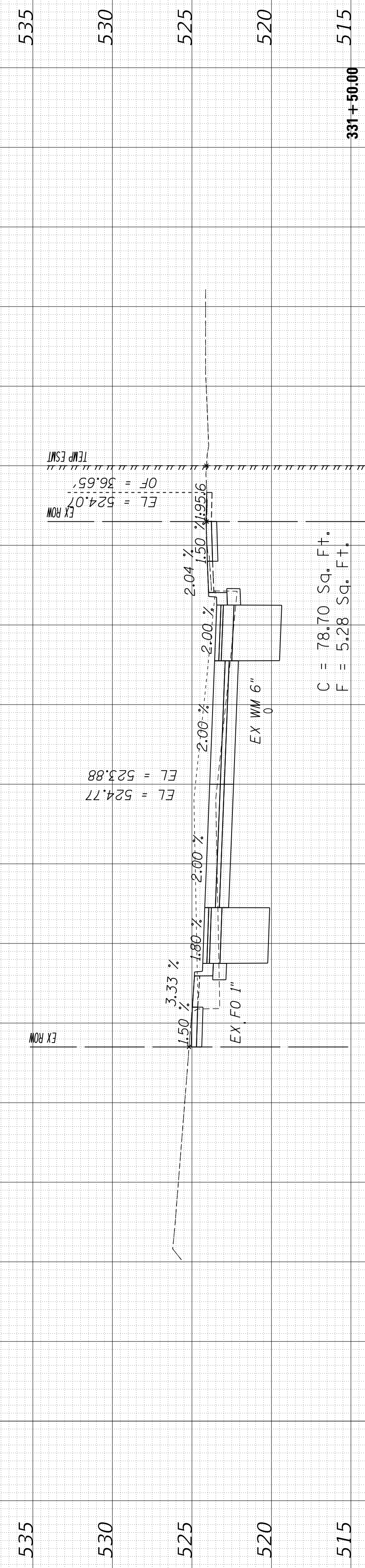
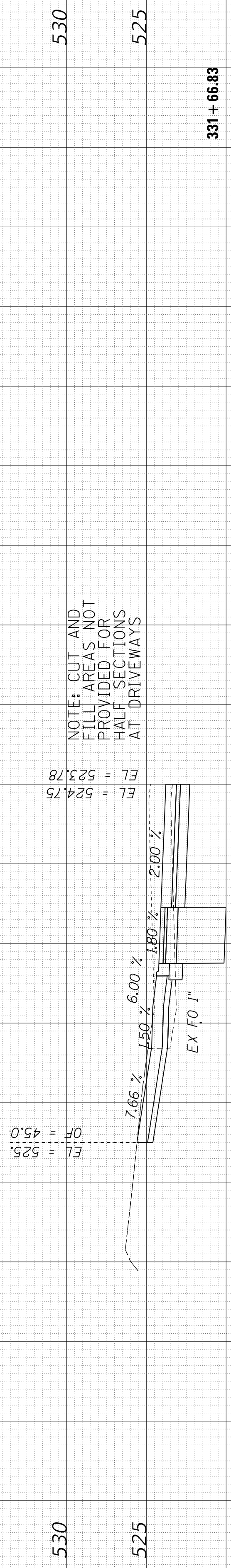
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	385
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
	AREAS	
	CHECKED	

MODEL: XS\_SHEET\_temporary\_model\_name\_13  
 FILE NAME: I:\projects\16-187405 COP - Western Printing\Design\CADD\Transportation\CADD\_Sheets\016-187405-SHT-XS-01-WEST.dgn

90 85 80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90



USER NAME = alphonse  
 FILENAME = D416187005-SHT-XS-01-WEST.dgn  
 PLOT SCALE = 10.0000' / in.  
 PLOT DATE = 2/24/2020 10:12:48 AM

DESIGNED - CC  
 DRAWN - CC  
 CHECKED - ET  
 DATE - 2/21/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=10H, 1"=5V SHEET 15 OF 30 SHEETS STA. 330+50.00 TO STA. 331+66.83

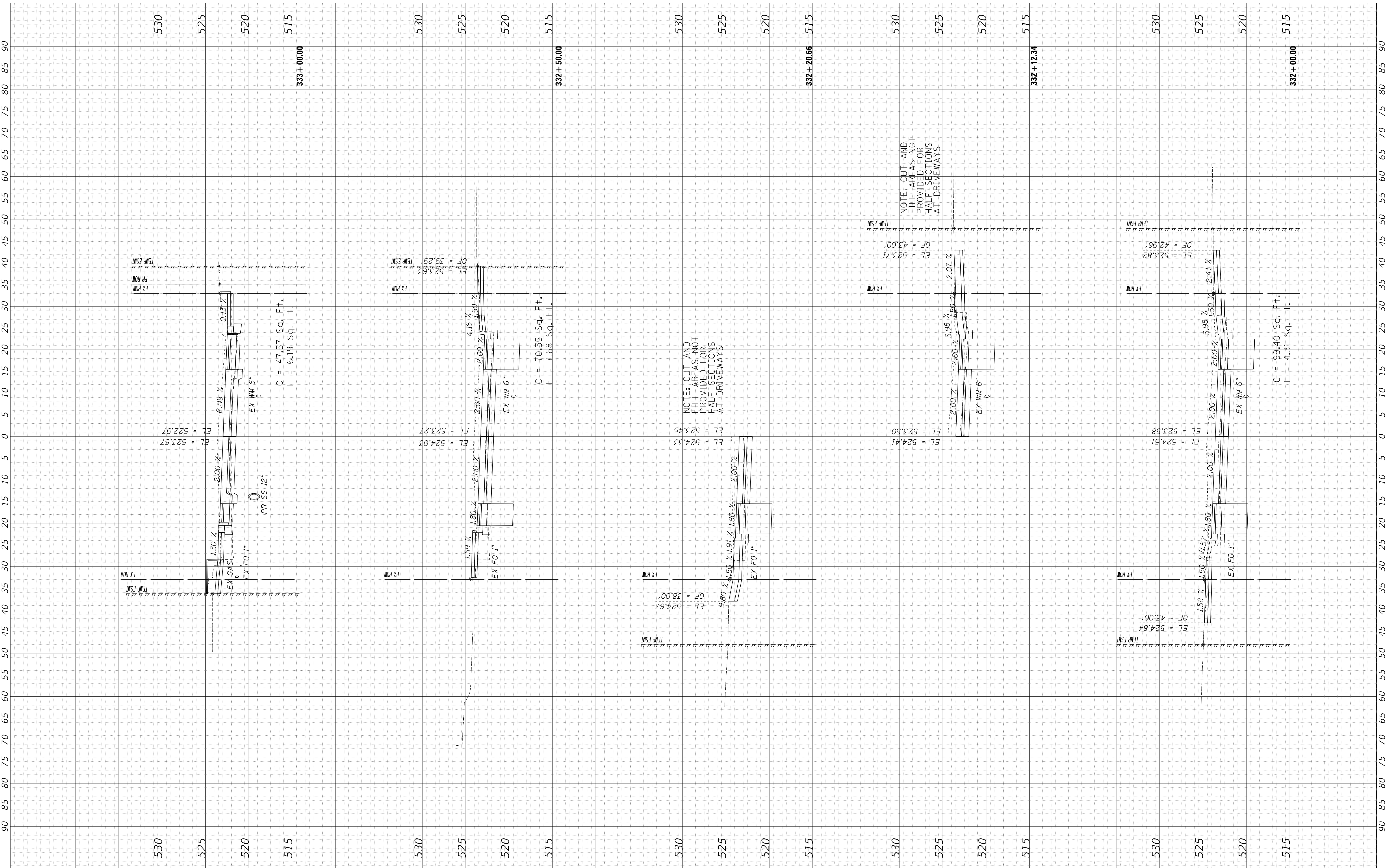
CROSS SECTIONS  
 WESTERN AVENUE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	386
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

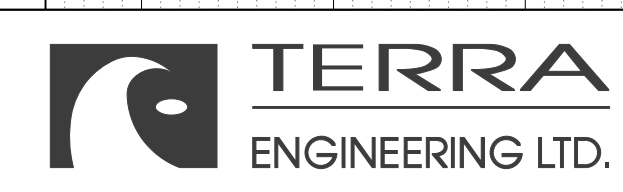
ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: XS\_SHEET\_temporary\_model\_name\_16  
 FILE NAME: I:\projects\16-187405 COP - Western Printing\Design\CADD\Transportation\CADD\_Sheets\01-187005-SHT-XS-01-WEST.dgn



90 85 80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90

USER NAME = alphonsee	DESIGNED - CC	REVISD -
FILENAME = D416187005-SHT-XS-01-WEST.dgn	DRAWN - CC	REVISD -
PLOT SCALE = 10.0000' / in.	CHECKED - ET	REVISD -
PLOT DATE = 2/24/2020 10:12:50 AM	DATE - 2/21/2020	REVISD -



STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

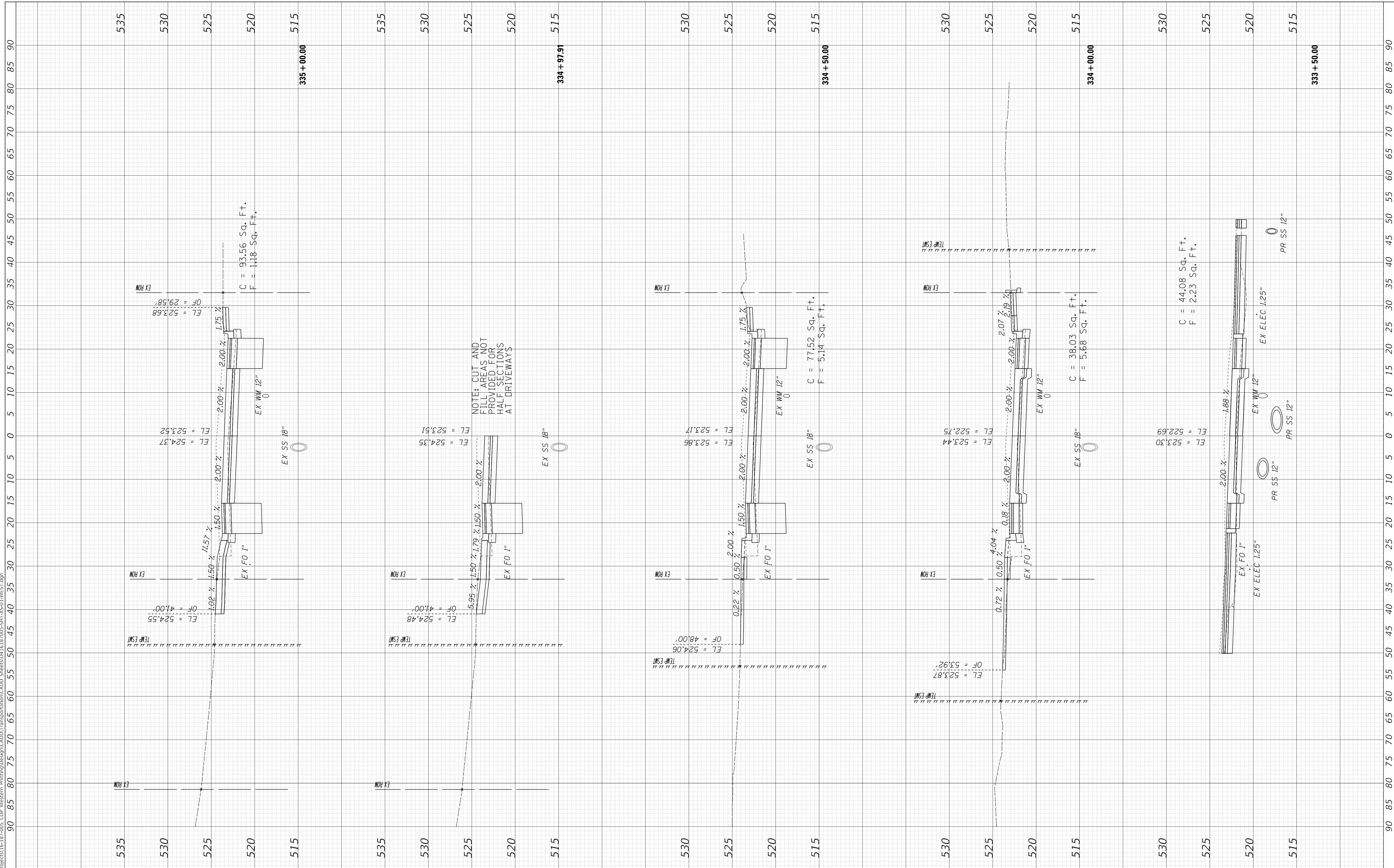
CROSS SECTIONS  
 WESTERN AVENUE  
 SCALE: 1"=10H, 1"=5V SHEET 16 OF 30 SHEETS STA. 332+00.00 TO STA. 333+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	387
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS FED. AID PROJECT				

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

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

MODEL: XS\_SHEET\_Temporary\_model\_name\_17  
 FILE NAME: I:\Projects\16-00368-01-PV\Western Printing\Design\CADD\Transportation\CADD\_Sheets\016-00368-01-PV-SHT-XS-01-WEST.dgn



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
WESTERN AVENUE**

SCALE: 1"=10H, 1"=5V SHEET 17 OF 30 SHEETS STA. 333+50.00 TO STA. 335+00.00

USER NAME	= alphonsee	DESIGNED	- CC
FILENAME	= D416187005-SHT-XS-01-WEST.dgn	DRAWN	- CC
PLOT SCALE	= 10.0000' / in.	CHECKED	- ET
PLOT DATE	= 2/24/2020 10:12:52 AM	DATE	- 2/21/2020

REVISED	-
REVISED	-
REVISED	-
REVISED	-

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	388
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		

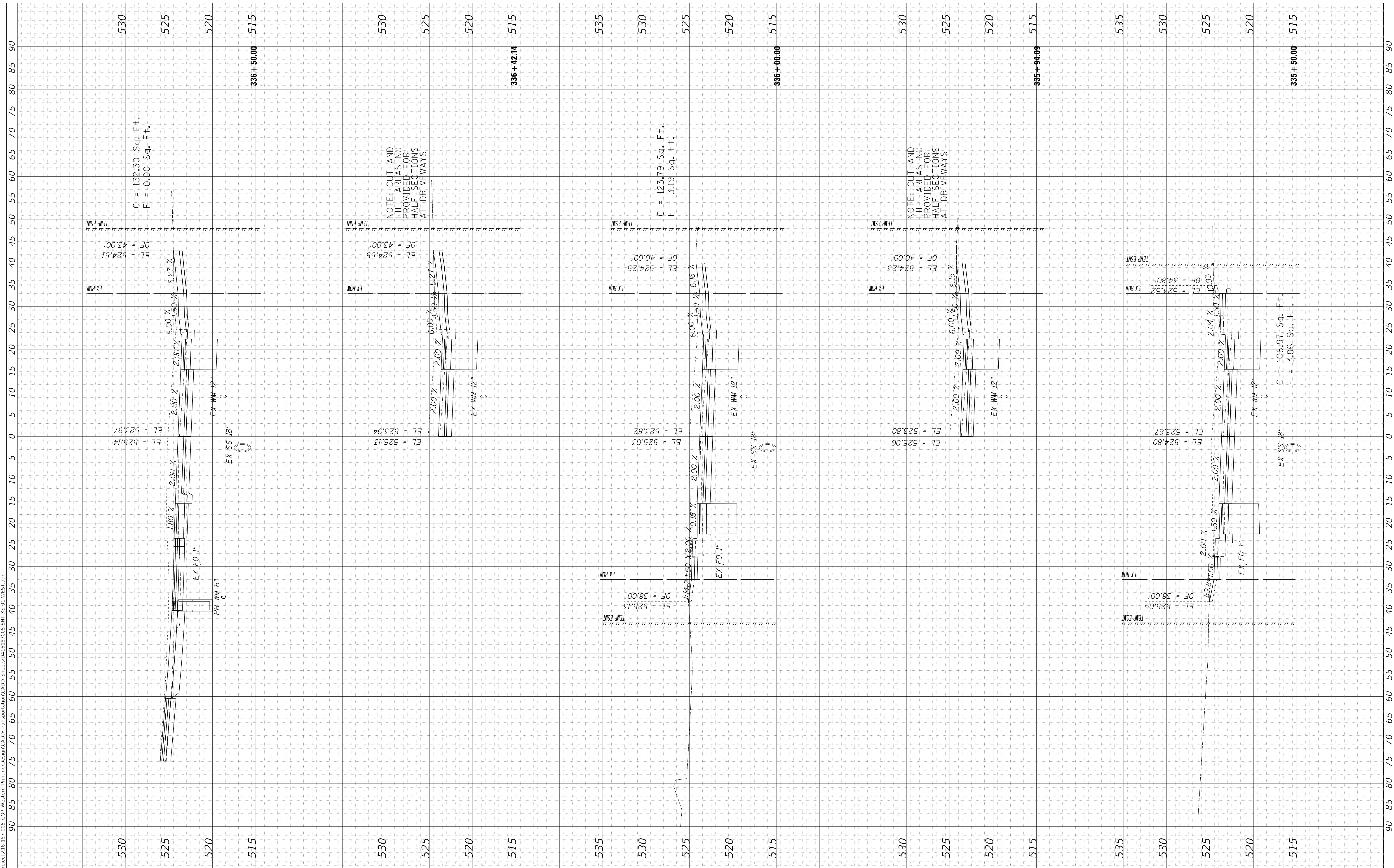




FINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

MODEL: XS\_SHEET\_temporary\_model\_name\_18  
 FILE NAME: T:\projects\16-1874005 COP - Western Printing\Design\CADD\Transportation\CADD\_Sheets\04161874005-SHT-XS-01-WEST.dgn



USER NAME	= alphonse
FILENAME	= D4161874005-SHT-XS-01-WEST.dgn
PLOT SCALE	= 10.0000' / in.
PLOT DATE	= 2/24/2020 10:12:54 AM

DESIGNED	- CC
DRAWN	- CC
CHECKED	- ET
DATE	- 2/21/2020

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 WESTERN AVENUE**

SCALE: 1"=10H, 1"=5V SHEET 18 OF 30 SHEETS STA. 335+50.00 TO STA. 336+50.00

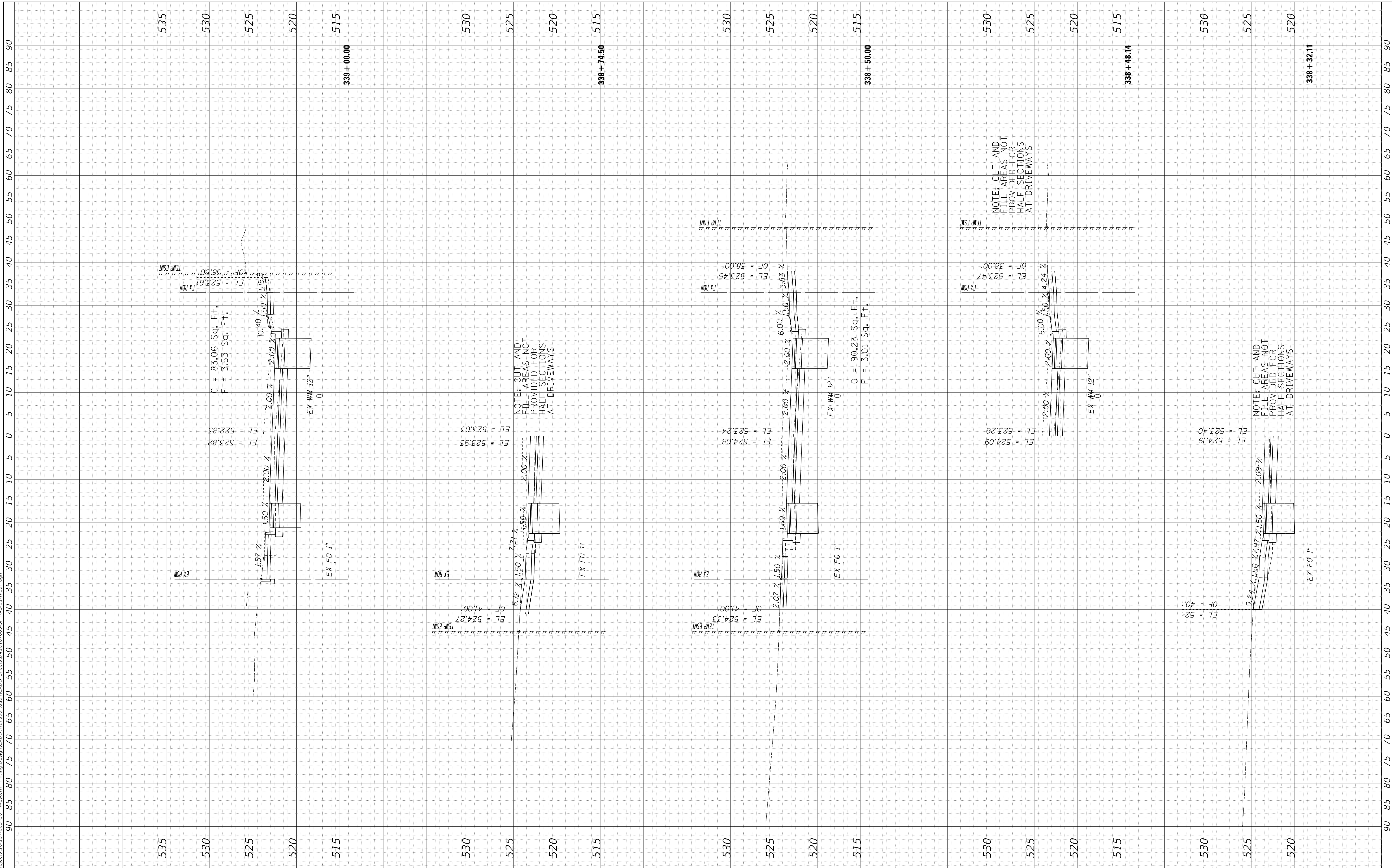
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	389
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		



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

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

MODEL: XS\_SHEET\_temporary\_model\_name\_20  
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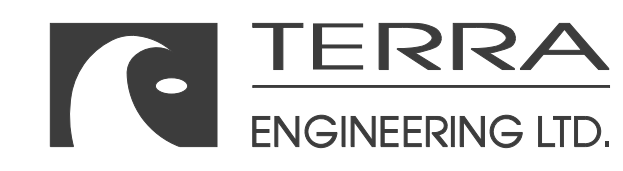
C = 83.06 Sq. Ft.  
 F = 3.53 Sq. Ft.

NOTE: CUT AND FILL AREAS NOT PROVIDED FOR HALF SECTIONS AT DRIVEWAYS

C = 90.23 Sq. Ft.  
 F = 3.01 Sq. Ft.

NOTE: CUT AND FILL AREAS NOT PROVIDED FOR HALF SECTIONS AT DRIVEWAYS

NOTE: CUT AND FILL AREAS NOT PROVIDED FOR HALF SECTIONS AT DRIVEWAYS



USER NAME =	alphonsee
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PLOT DATE =	2/24/2020 10:12:59 AM

DESIGNED -	CC
DRAWN -	CC
CHECKED -	ET
DATE -	2/21/2020

REVISED -	-
REVISED -	-
REVISED -	-
REVISED -	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 WESTERN AVENUE**

SCALE: 1"=10H, 1"=5V SHEET 20 OF 30 SHEETS STA. 338+32.11 TO STA. 339+00.00

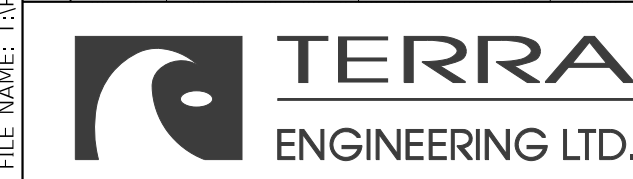
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	391
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		

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

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

MODEL: XS\_SHEET\_Temporary\_model\_name\_21

FILE NAME: I:\projects\16-187405 COP - Western Printing\Design\CADD\Transportation\CADD\_Sheets\016187005-SHT-XS-01-WEST.dgn



USER NAME = alphonsee  
 FILENAME = D416187005-SHT-XS-01-WEST.dgn  
 PLOT SCALE = 10.0000' / in.  
 PLOT DATE = 2/24/2020 10:13:01 AM

DESIGNED - CC  
 DRAWN - CC  
 CHECKED - ET  
 DATE - 2/21/2020

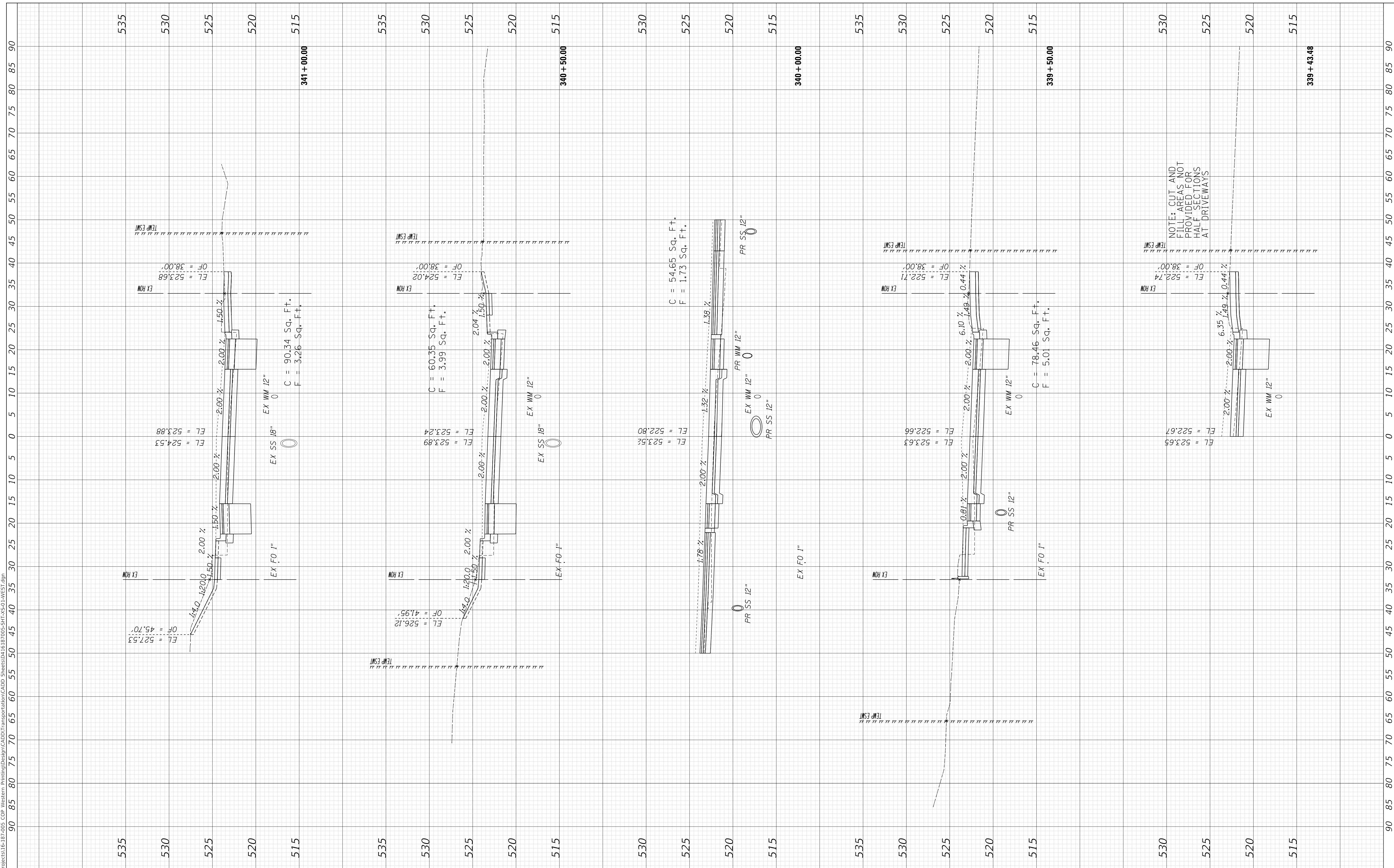
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 WESTERN AVENUE

SCALE: 1"=10H, 1"=5V SHEET 21 OF 30 SHEETS STA. 339+43.48 TO STA. 341+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	392
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		

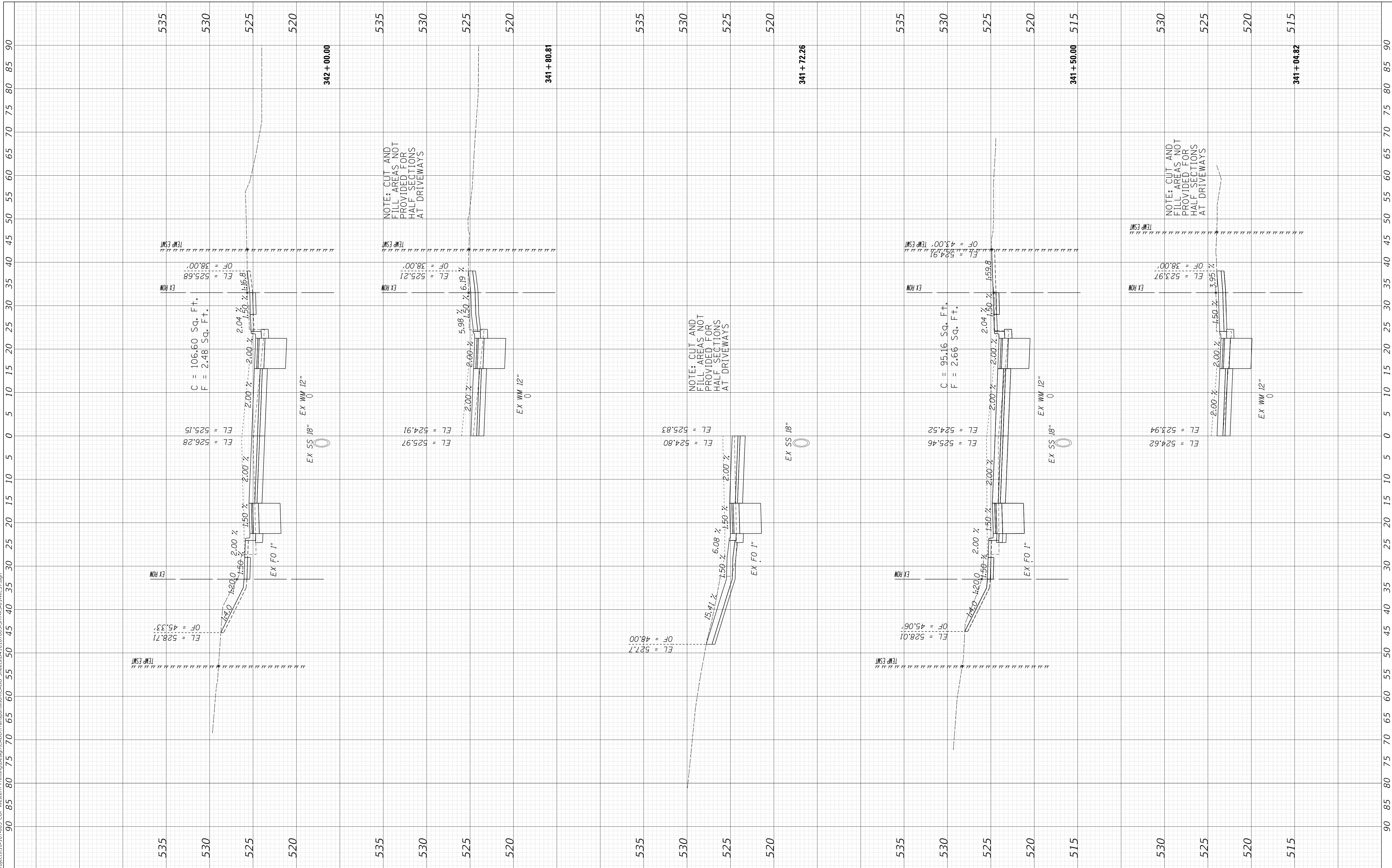


NOTE: CUT AND FILL AREAS NOT PROVIDED FOR HALF SECTIONS AT DRIVEWAYS

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

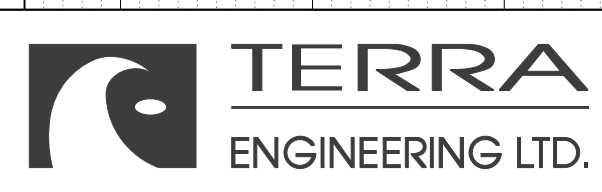
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90 85 80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90

535 530 525 520 535 530 525 520 535 530 525 520 535 530 525 520 515 530 525 520 515

USER NAME = alphonsee	DESIGNED - CC	REVISED -
FILENAME = D416187405-SHT-XS-01-WEST.dgn	DRAWN - CC	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - ET	REVISED -
PLOT DATE = 2/24/2020 10:13:03 AM	DATE - 2/21/2020	REVISED -



**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

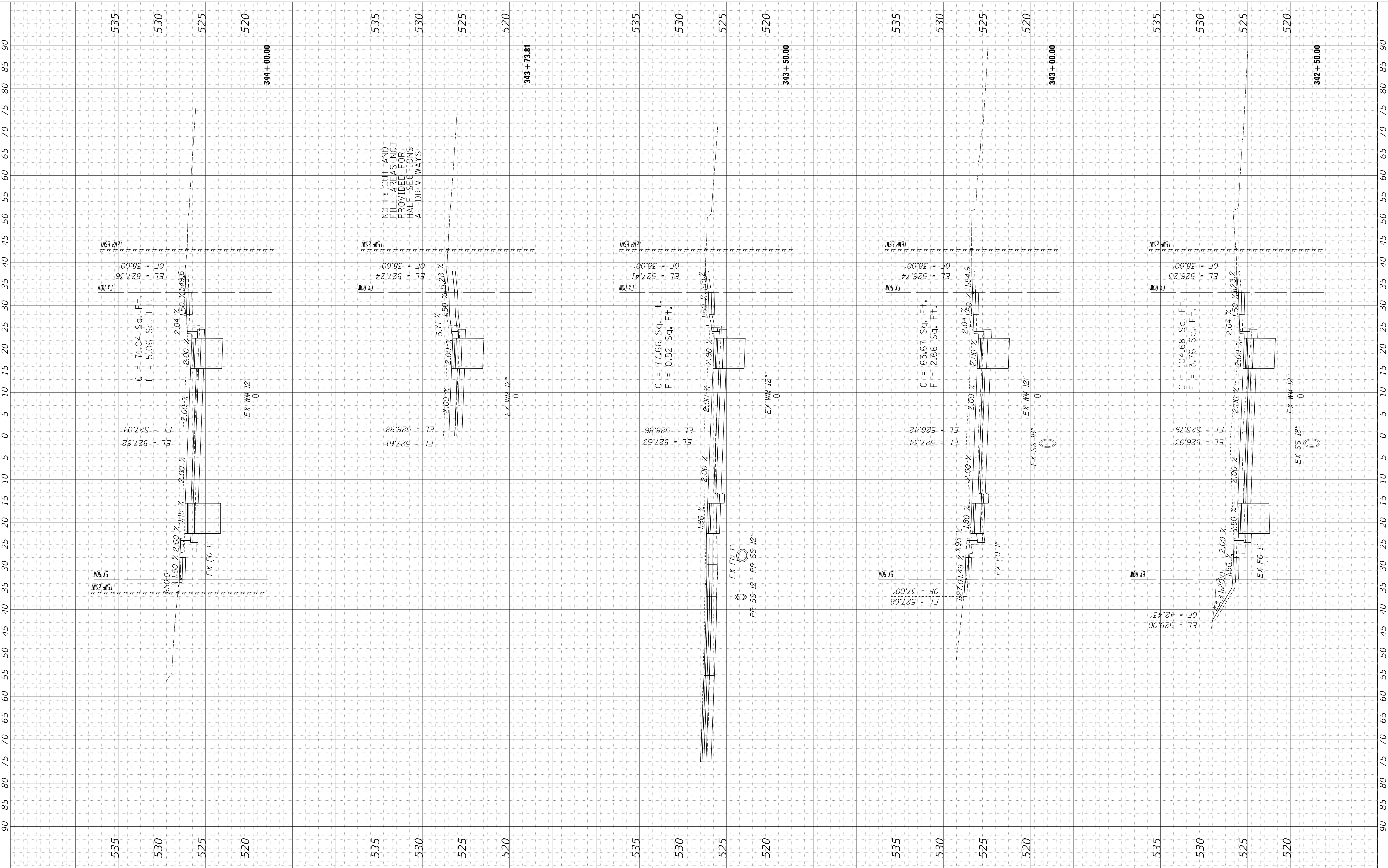
**CROSS SECTIONS  
 WESTERN AVENUE**  
 SCALE: 1"=10H, 1"=5V SHEET 22 OF 30 SHEETS STA. 341+04.82 TO STA. 342+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	393
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS		FED. AID PROJECT		

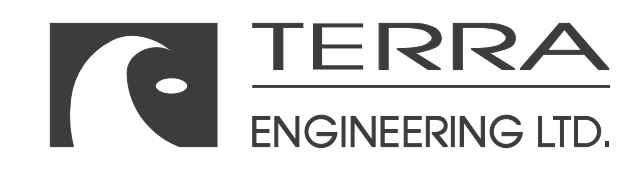
FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
NO.	AREAS CHECKED	

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

MODEL: XS\_SHEET\_Temporary\_model\_name\_23  
 FILE NAME: I:\projects\16-187405 COP - Western Printing\Design\CADD\Transportation\CADD\_Sheets\01-187005-SHT-XS-01-WEST.dgn



NOTE: CUT AND FILL AREAS NOT PROVIDED FOR HALF SECTIONS AT DRIVEWAYS



USER NAME	= alphonsee
FILENAME	= D416187005-SHT-XS-01-WEST.dgn
PLOT SCALE	= 10.0000' / in.
PLOT DATE	= 2/24/2020 10:13:05 AM

DESIGNED	- CC
DRAWN	- CC
CHECKED	- ET
DATE	- 2/21/2020

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=10H, 1"=5V SHEET 23 OF 30 SHEETS STA. 342+50.00 TO STA. 344+00.00

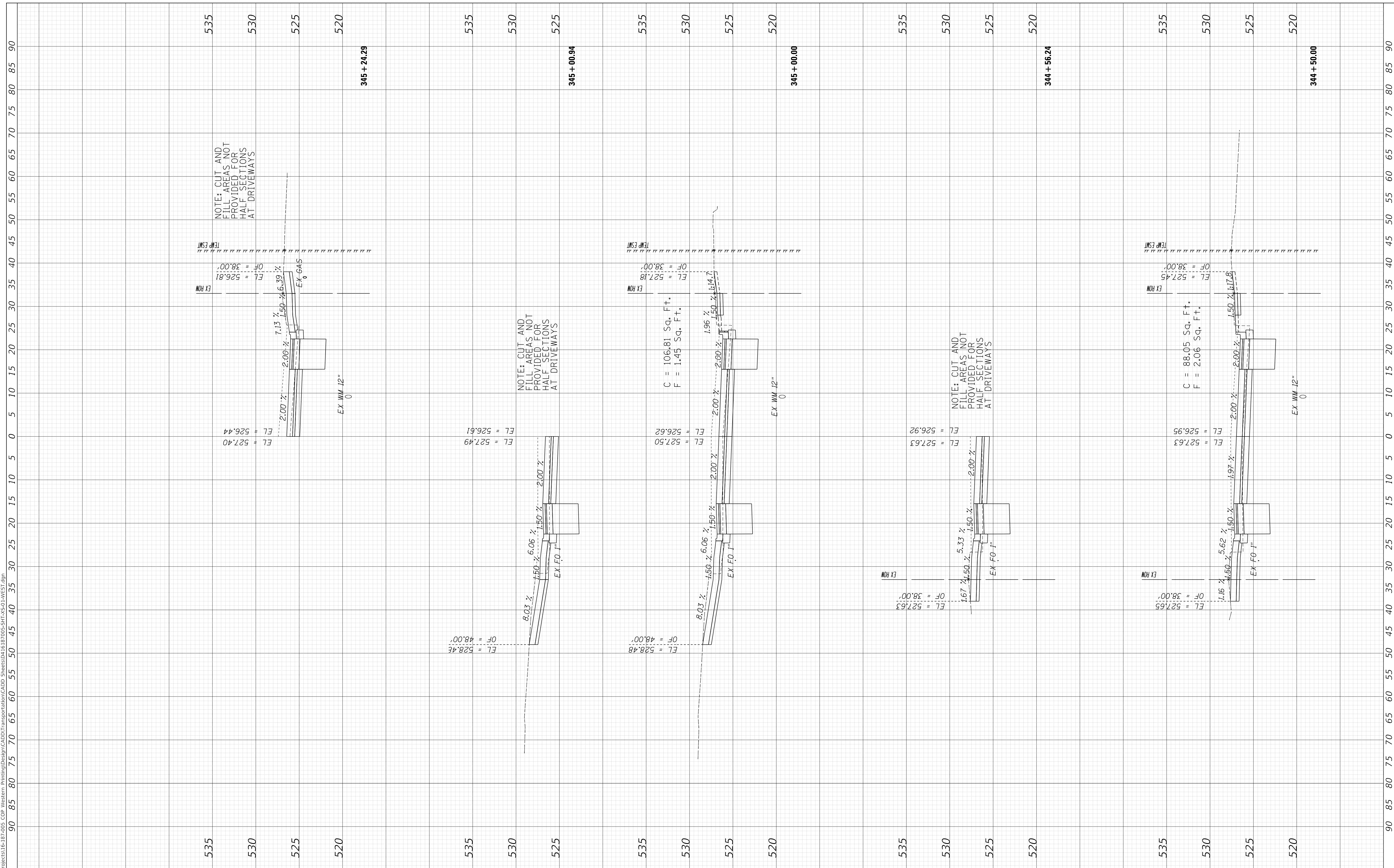
CROSS SECTIONS  
WESTERN AVENUE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	394
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

MODEL: XS\_SHEET\_temporary\_model\_name\_24  
 FILE NAME: T:\projects\16-187405 COP - Western Printing\Design\CADD\Transportation\CADD\_Sheets\016187005-SHT-XS-01-WEST.dgn



USER NAME = alphonse	DESIGNED - CC	REVISED -
FILENAME = D416187005-SHT-XS-01-WEST.dgn	DRAWN - CC	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - ET	REVISED -
PLOT DATE = 2/24/2020 10:13:07 AM	DATE - 2/21/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS WESTERN AVENUE</b>		
SCALE: 1"=10H, 1"=5V	SHEET 24	OF 30 SHEETS
STA. 344+50.00	TO STA. 345+24.29	

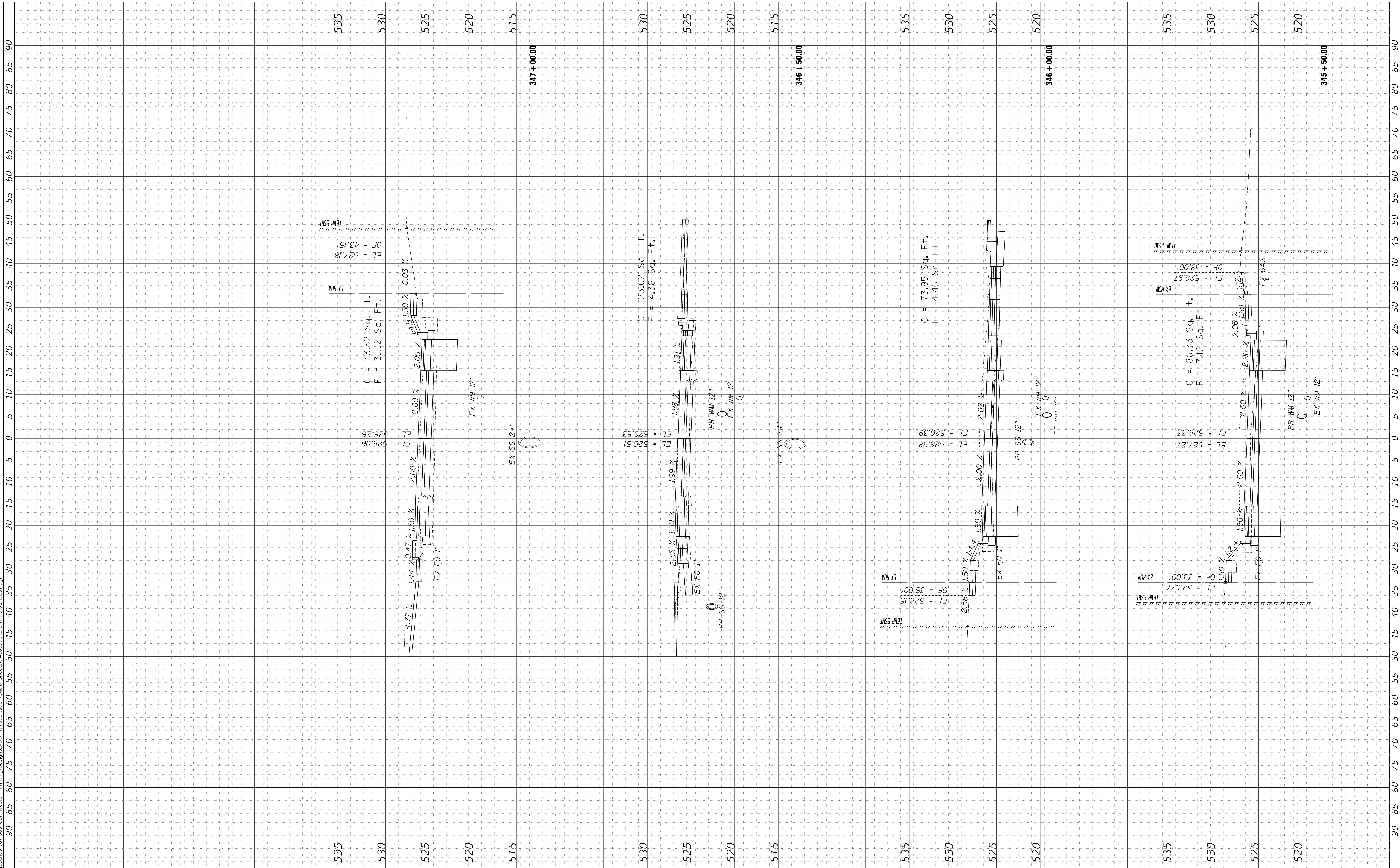
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	395
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		



FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: XS\_SHEET\_temporary\_model\_name\_25  
 FILE NAME: I:\projects\16-17-2005 COP - Western Printing\Design\CADD\Transportation\CADD\_Sheets\0-16-17-2005-SHT-XS-01-WEST.dgn



USER NAME =	alphonsee
FILENAME =	D:\16187005-SHT-XS-01-WEST.dgn
PLOT SCALE =	10.0000' / in.
PLOT DATE =	2/24/2020 10:13:09 AM

DESIGNED -	CC
DRAWN -	CC
CHECKED -	ET
DATE -	2/21/2020

REVISED -	-
REVISED -	-
REVISED -	-
REVISED -	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS WESTERN AVENUE</b>			
SCALE: 1"=10H, 1"=5V	SHEET 25	OF 30	SHEETS
STA. 345+50.00	TO STA. 347+00.00		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	396
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		

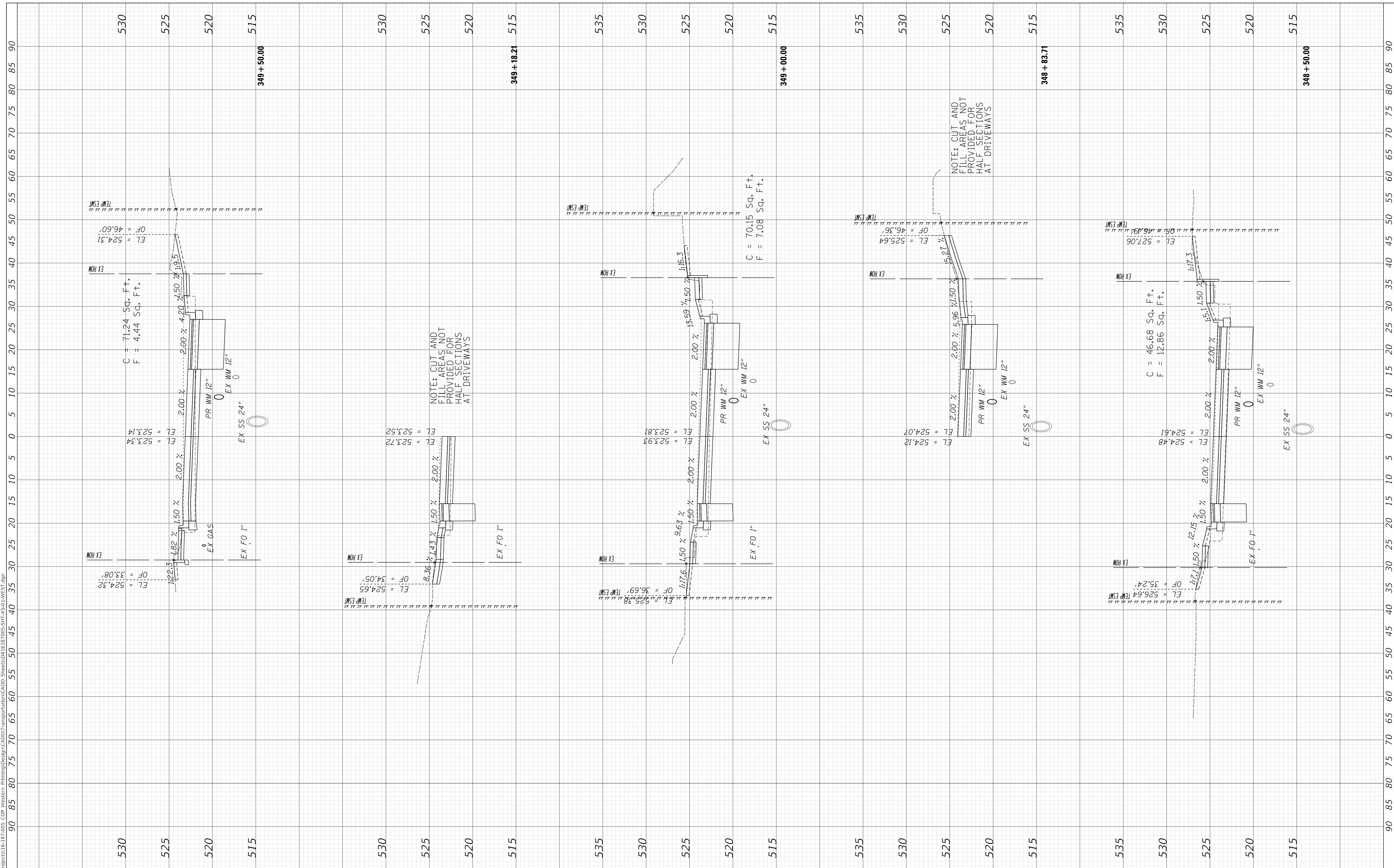




FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		

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

MODEL: XS\_SHEET\_Temporary\_model\_name\_27  
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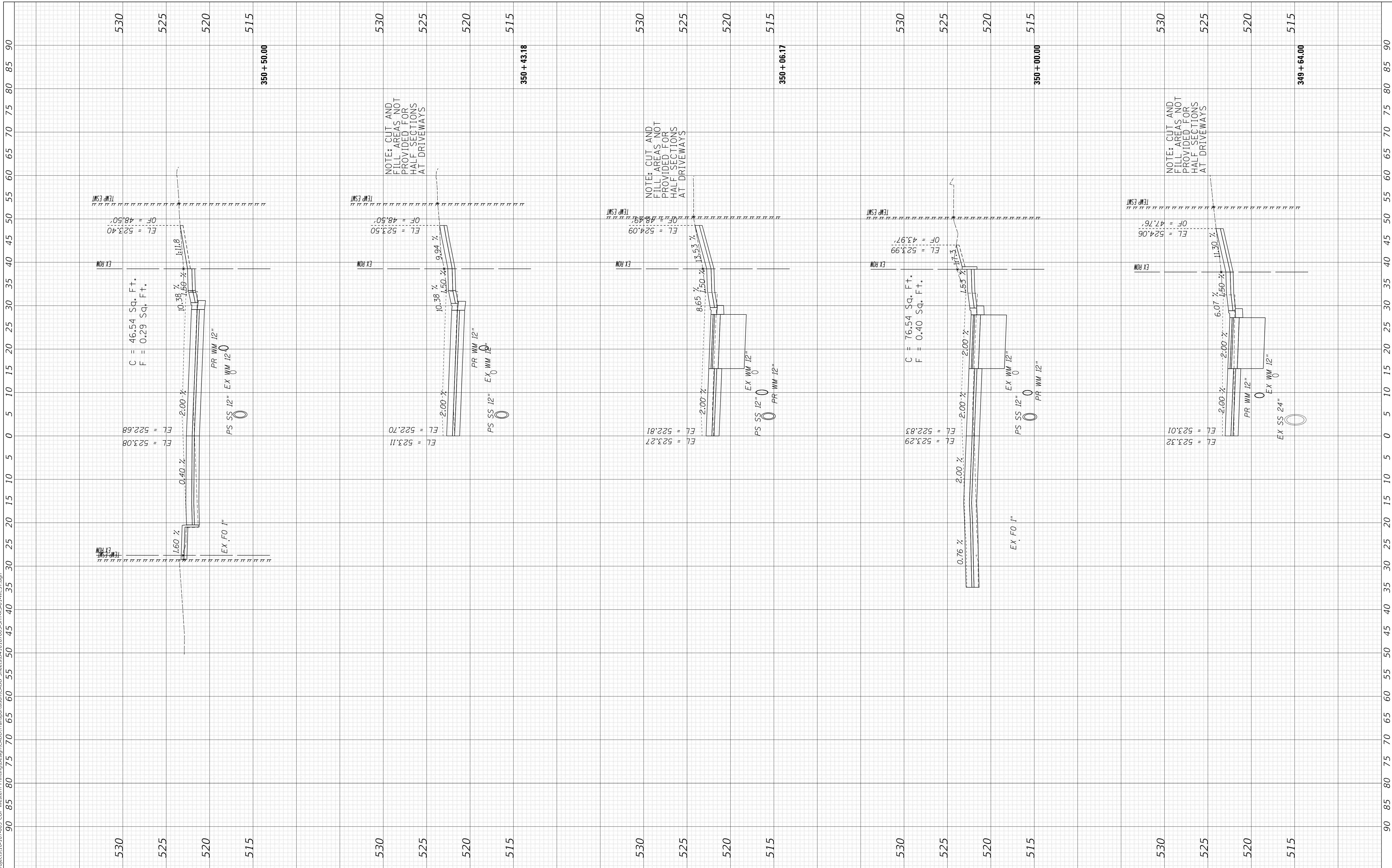


<p>USER NAME = alphonsee</p> <p>FILENAME = D:\16187005-SHT-XS-01-WEST.dgn</p> <p>PLOT SCALE = 10.0000' / in.</p> <p>PLOT DATE = 2/24/2020 10:13:14 AM</p>	<p>DESIGNED - CC</p> <p>DRAWN - CC</p> <p>CHECKED - ET</p> <p>DATE - 2/21/2020</p>	<p>REVISED -</p> <p>REVISED -</p> <p>REVISED -</p> <p>REVISED -</p>	<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>CROSS SECTIONS WESTERN AVENUE</p>	<p>SCALE: 1"=10H, 1"=5V SHEET 27 OF 30 SHEETS STA. 348+50.00 TO STA. 349+50.00</p>	<table border="1"> <tr><td>F.A. RTE.</td><td>SECTION</td><td>COUNTY</td><td>TOTAL SHEETS</td><td>SHEET NO.</td></tr> <tr><td>6594</td><td>16-00368-01-PV</td><td>PEORIA</td><td>422</td><td>398</td></tr> <tr><td colspan="2">WESTERN AVE RECONSTRUCTION</td><td>CONTRACT NO.</td><td colspan="2">89766</td></tr> <tr><td colspan="2">ILLINOIS</td><td>FED. AID PROJECT</td><td colspan="2"></td></tr> </table>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	6594	16-00368-01-PV	PEORIA	422	398	WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766		ILLINOIS		FED. AID PROJECT		
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																						
6594	16-00368-01-PV	PEORIA	422	398																						
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766																							
ILLINOIS		FED. AID PROJECT																								

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

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

MODEL: XS\_SHEET\_temporary\_model\_name\_28  
 FILE NAME: I:\projects\16-187405 COP - Western Printing\Design\CADD\Transportation\CADD\_Sheets\0+18.187005-SHT-XS-01-WEST.dgn



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FILENAME	= D416187005-SHT-XS-01-WEST.dgn
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PLOT DATE	= 2/24/2020 10:13:16 AM

DESIGNED	- CC
DRAWN	- CC
CHECKED	- ET
DATE	- 2/21/2020

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=10H, 1"=5V	
SHEET 28	OF 30 SHEETS
STA. 349+64.00	TO STA. 350+50.00

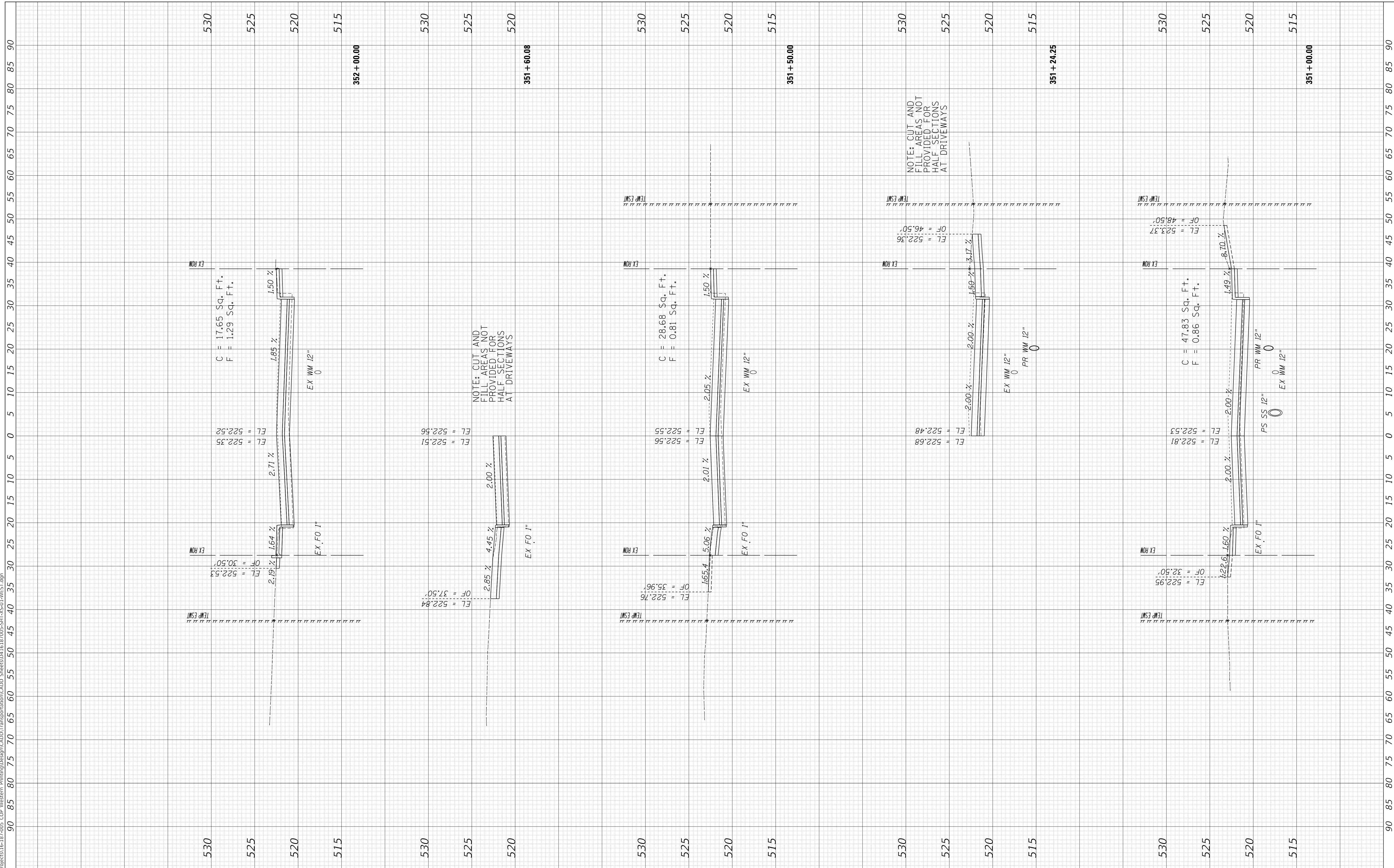
**CROSS SECTIONS  
WESTERN AVENUE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	399
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		

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

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

MODEL: XS\_SHEET\_temporary\_model\_name\_29  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 WESTERN AVENUE**

USER NAME =	alphonsee	DESIGNED -	CC	REVISED -	
FILENAME =	D416187005-SHT-XS-01-WEST.dgn	DRAWN -	CC	REVISED -	
PLOT SCALE =	10.0000" / in.	CHECKED -	ET	REVISED -	
PLOT DATE =	2/24/2020 10:13:18 AM	DATE -	2/21/2020	REVISED -	

SCALE: 1"=10H, 1"=5V SHEET 29 OF 30 SHEETS STA. 351+00.00 TO STA. 352+00.00

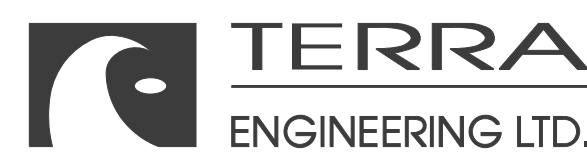
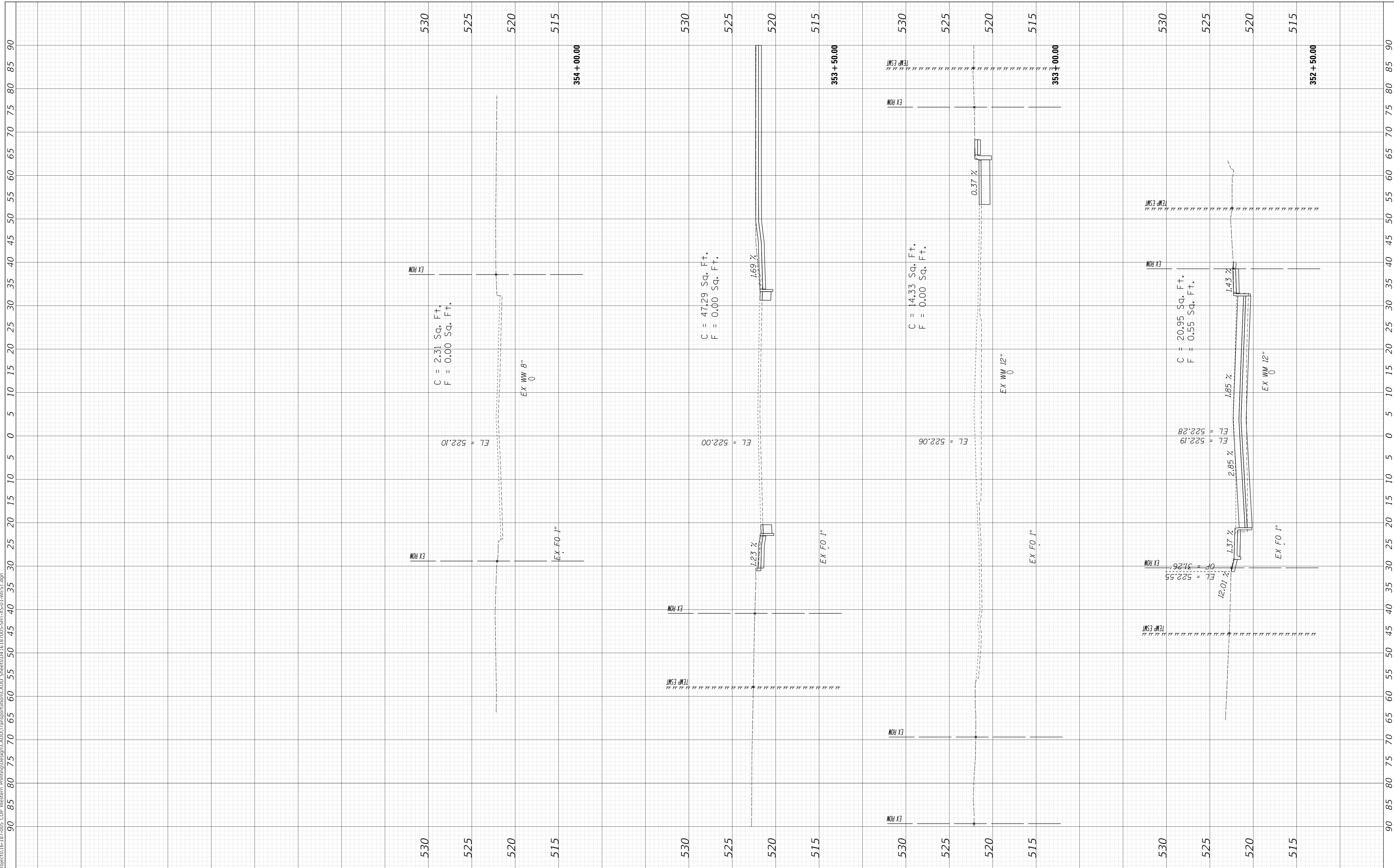
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	400
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		



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

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

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 PLOT DATE = 2/24/2020 10:13:20 AM

DESIGNED - CC  
 DRAWN - CC  
 CHECKED - ET  
 DATE - 2/21/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 WESTERN AVENUE**

SCALE: 1"=10H, 1"=5V SHEET 30 OF 30 SHEETS STA. 352+50.00 TO STA. 354+00.00

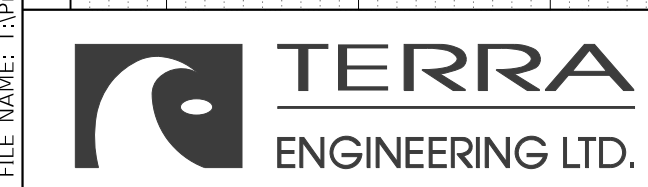
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	401
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS		FED. AID PROJECT		

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

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

MODEL: XS\_SHEET\_Temporary\_model\_name\_1

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 CHECKED - ET  
 DATE - 2/21/2020

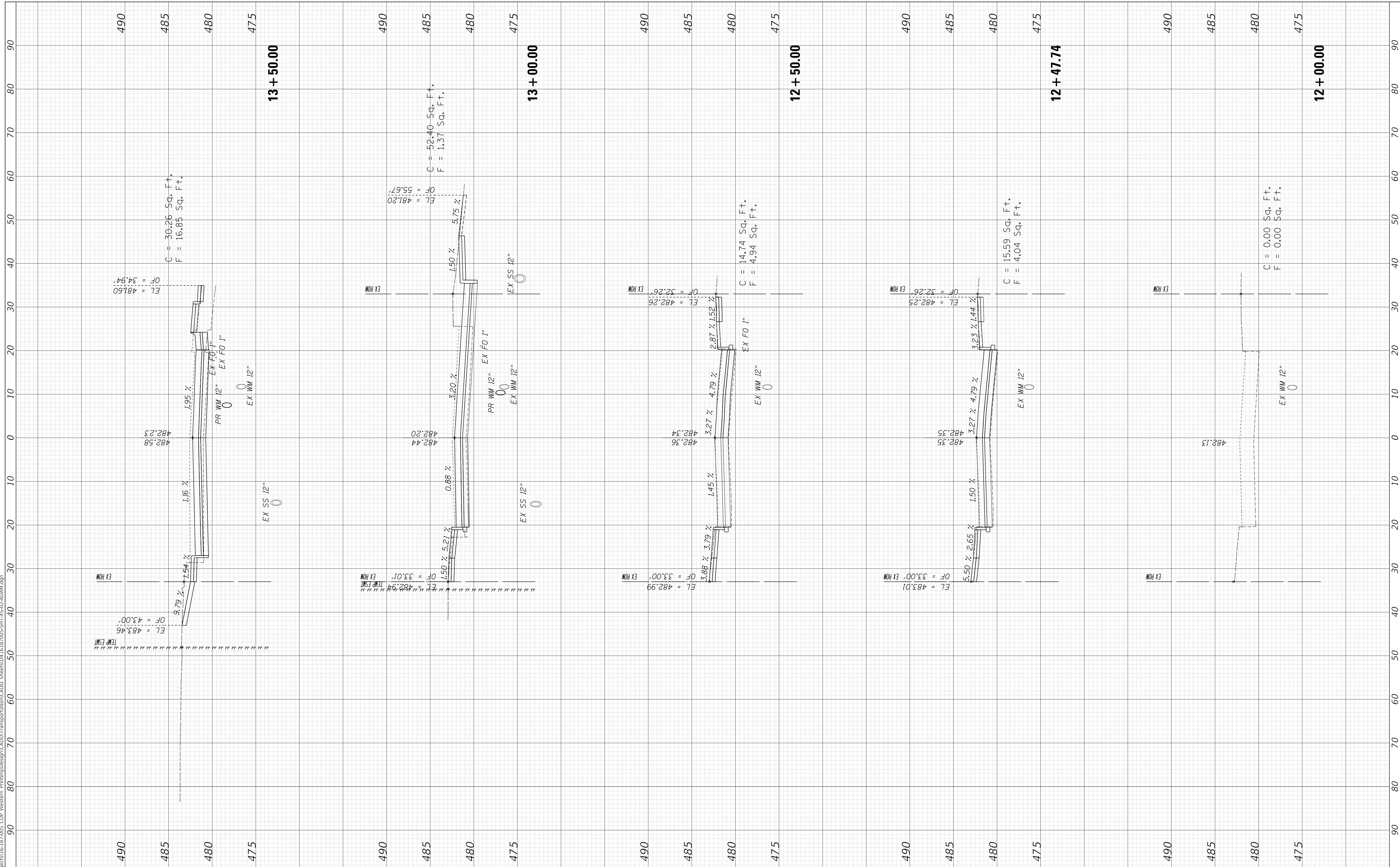
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 ADAMS STREET**

SCALE: 1"=10H, 1"=5V SHEET 1 OF 2 SHEETS STA. 12+00.00 TO STA. 13+50.00

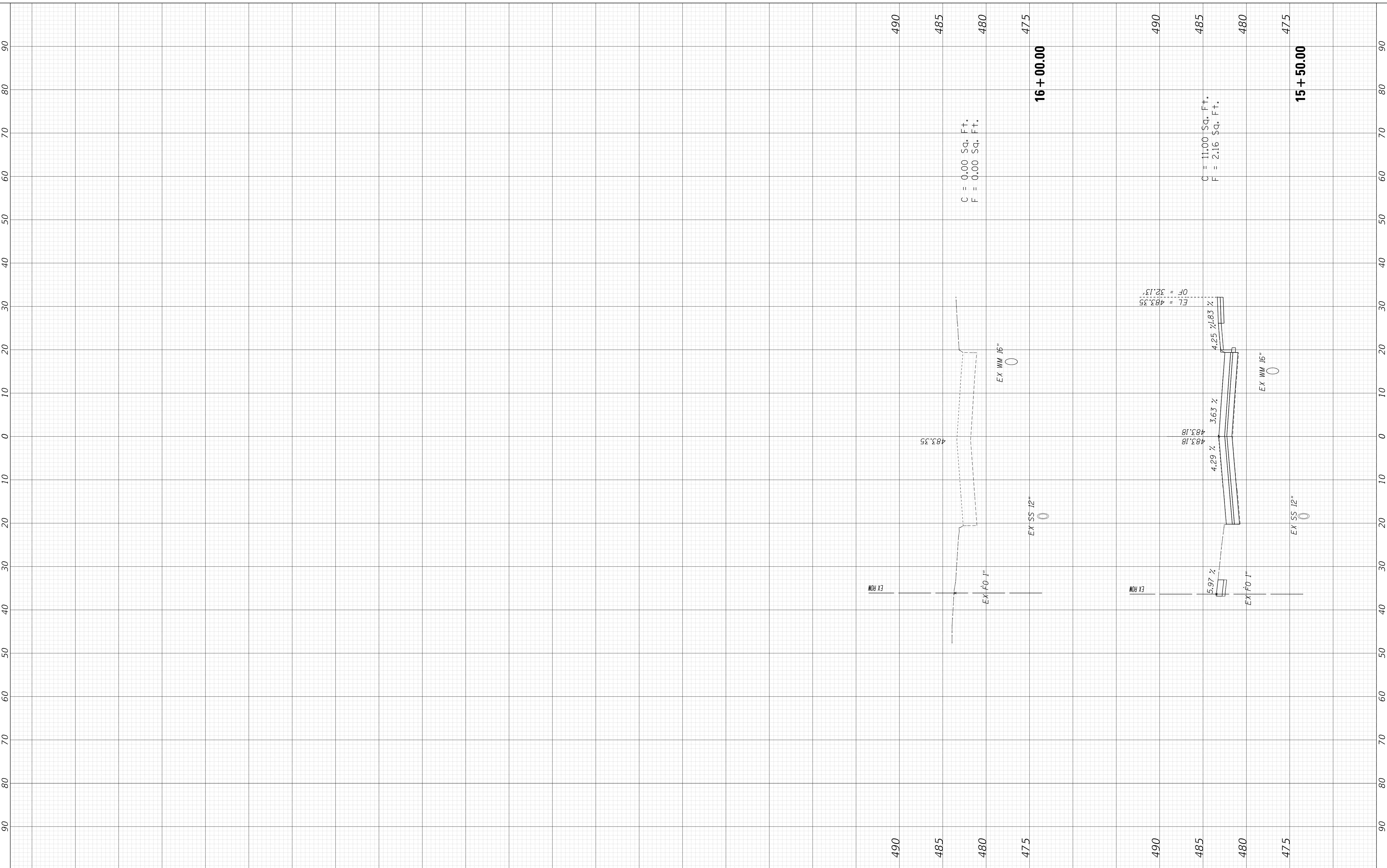
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	402
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		



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

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

MODEL: XS\_SHEET\_temporary\_model\_name\_2  
 FILE NAME: I:\projects\16-17-2005 COP - Western Printing\Design\CADD\Transportation\CADD\_Sheets\04161817005-SHT-XS-02-ADAM.dgn



USER NAME = alphonsee	DESIGNED - CC	REVISED -
FILENAME = D4161817005-SHT-XS-02-ADAM.dgn	DRAWN - CC	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - ET	REVISED -
PLOT DATE = 2/24/2020 10:13:28 AM	DATE - 2/21/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
ADAMS STREET**

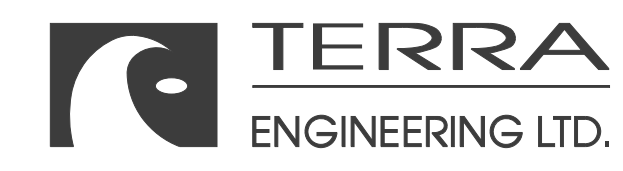
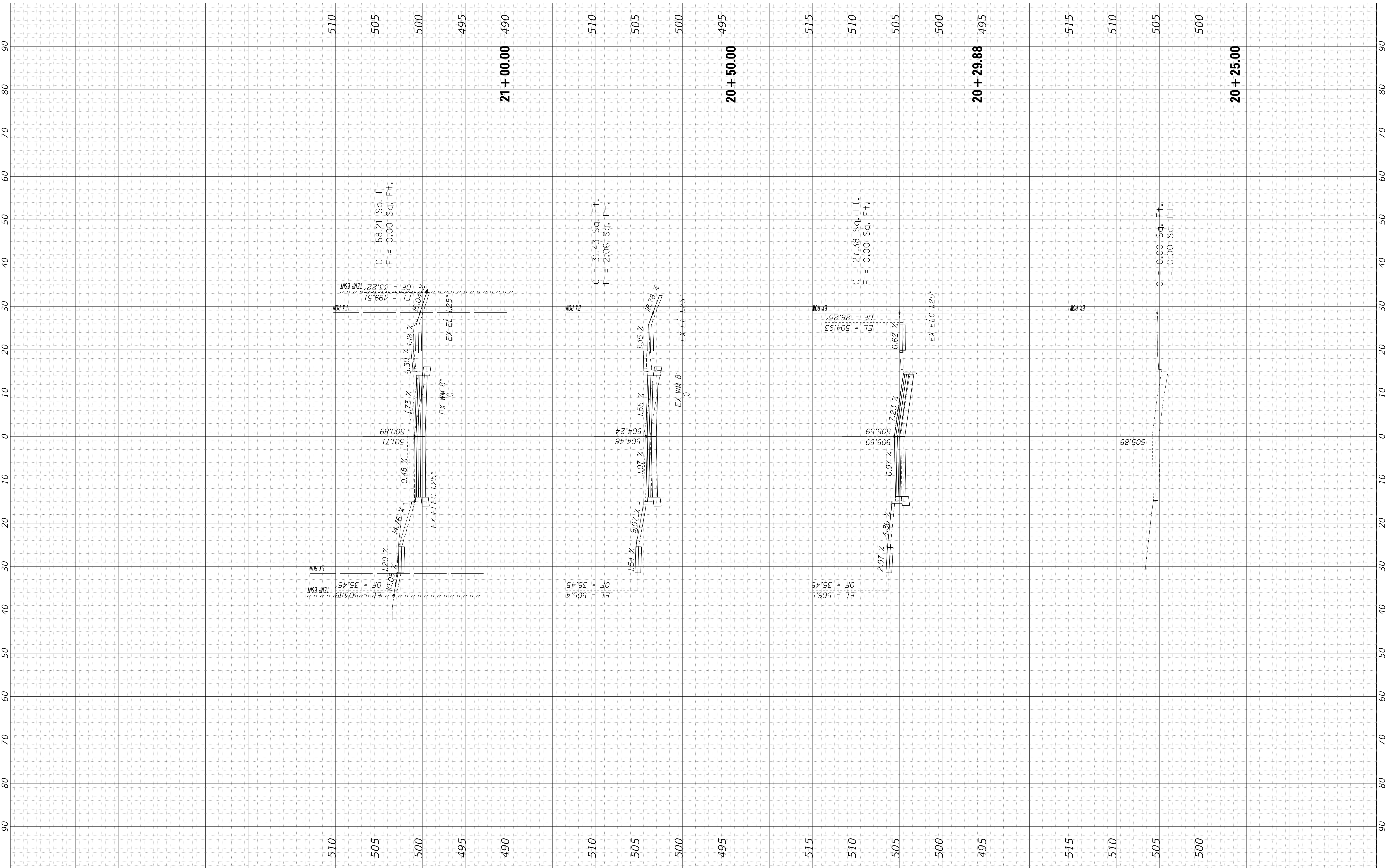
SCALE: 1"=10H, 1"=5V SHEET 2 OF 2 SHEETS STA. 15+50.00 TO STA. 16+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	403
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

MODEL: XS\_SHEET\_temporary\_model\_name\_1  
FILE NAME: I:\projects\16-00368-01-PV\Western Printing\Design\CADD\Transportation\CADD\_Sheets\0416187005-SHT-XS-03-HAYS.dgn



USER NAME =	alphonsee	DESIGNED -	CC	REVISED -	
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PLOT DATE =	2/24/2020 10:13:32 AM	DATE -	2/21/2020	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS HAYES STREET</b>			
SCALE: 1"=10H, 1"=5V	SHEET 1	OF 2	SHEETS
STA. 20+00.00	TO STA. 21+00.00		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	404
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		



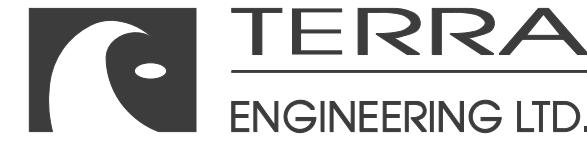
FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK	TEMPLATE		

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

MODEL: XS\_SHEET\_temporary\_model\_name\_2  
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21 + 50.00



USER NAME = alphonsee	DESIGNED - CC	REVISED -
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PLOT DATE = 2/24/2020 10:13:34 AM	DATE - 2/21/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
HAYES STREET

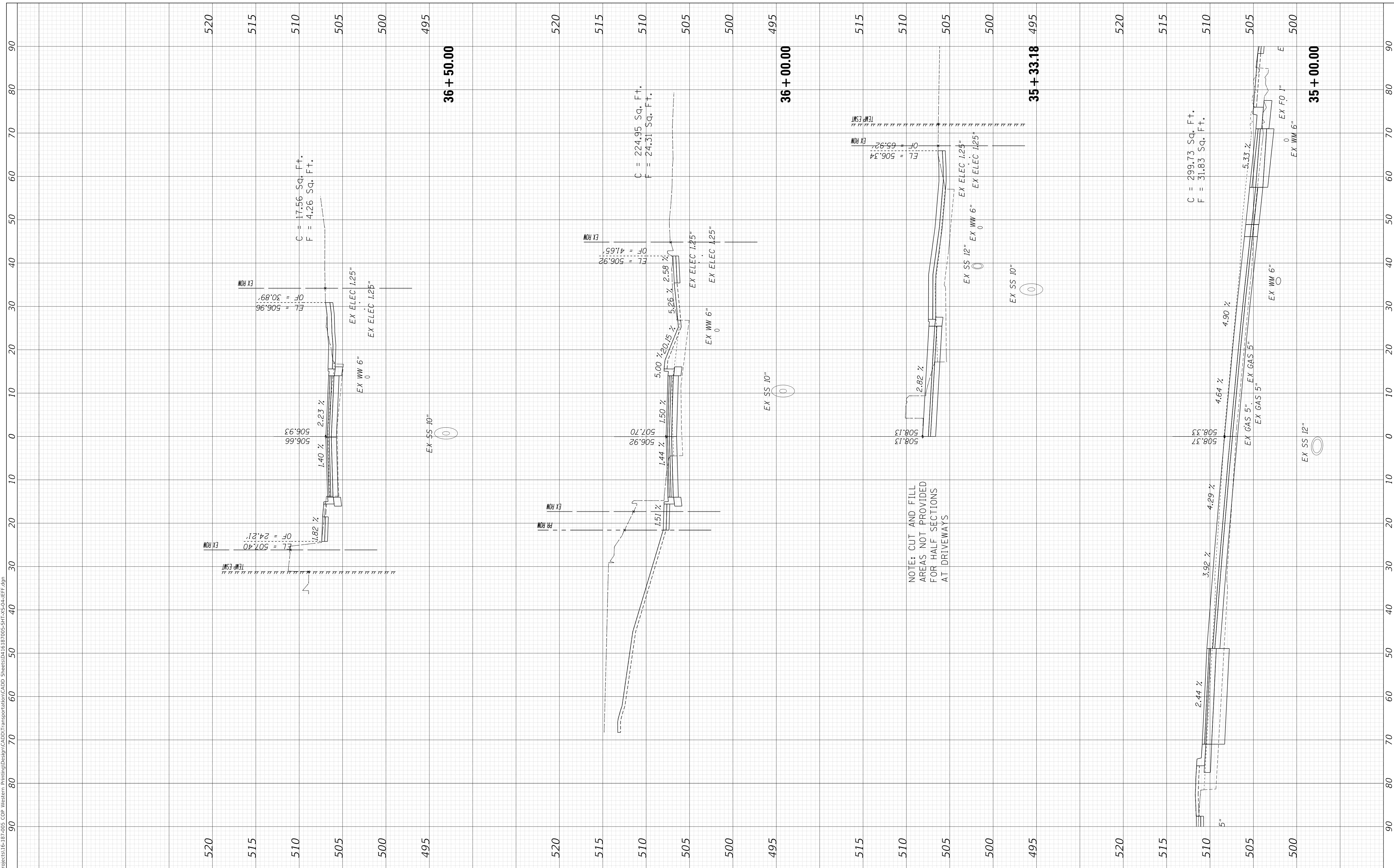
SCALE: 1"=10H, 1"=5V SHEET 2 OF 2 SHEETS STA. 21+50.00 TO STA. 21+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	405
WESTERN AVE RECONSTRUCTION			CONTRACT NO. 89766	
ILLINOIS FED. AID PROJECT				

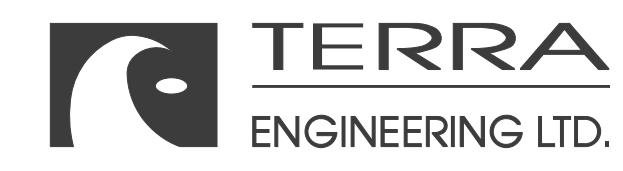
FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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NOTE: CUT AND FILL AREAS NOT PROVIDED FOR HALF SECTIONS AT DRIVEWAYS



USER NAME =	alphonsee	DESIGNED -	CC
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REVISED -	
REVISED -	
REVISED -	
REVISED -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
JEFFERSON AVENUE

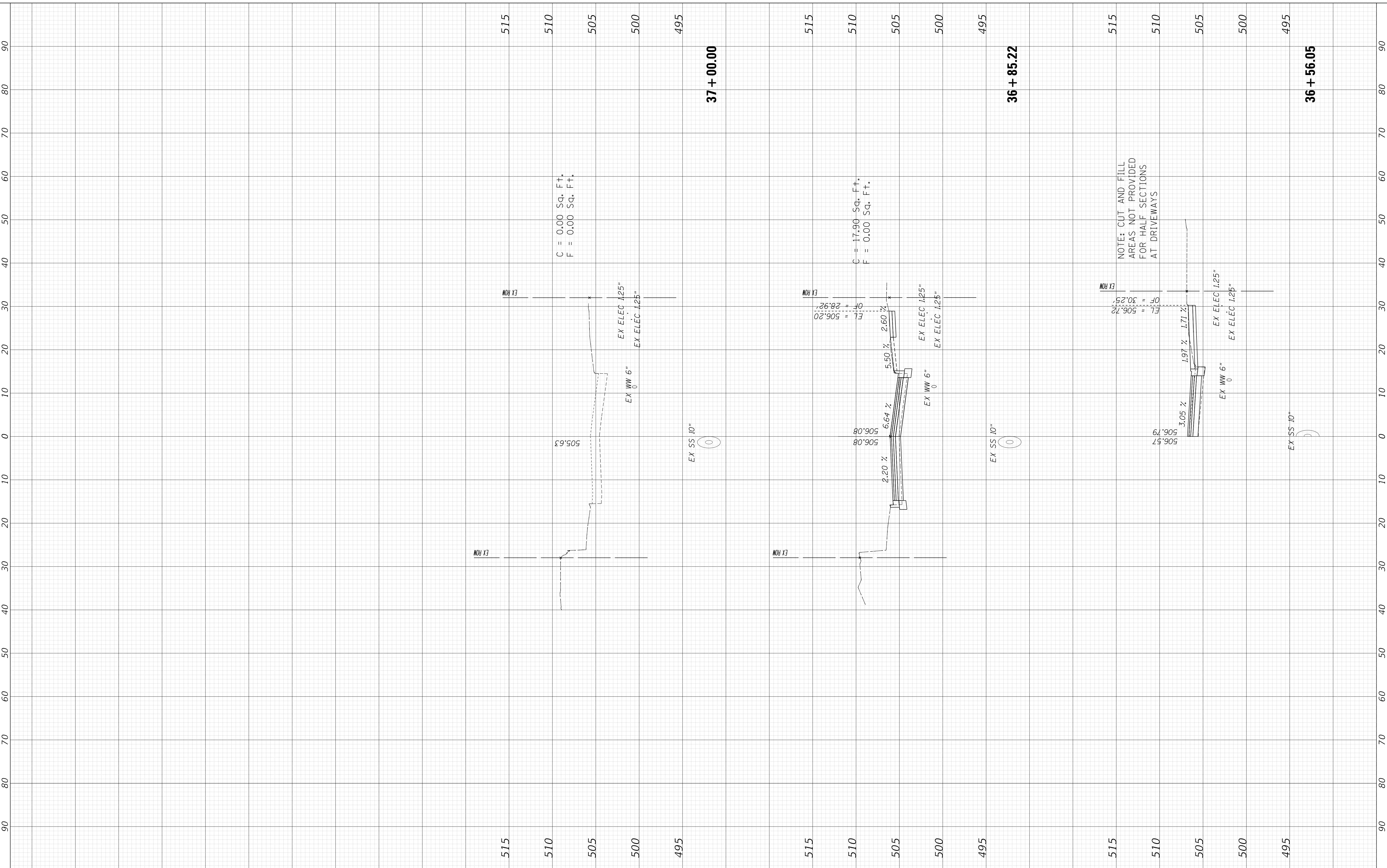
SCALE: 1"=10H, 1"=5V SHEET 1 OF 2 SHEETS STA. 35+00.00 TO STA. 36+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	406
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		

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

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

MODEL: XS\_SHEET\_temporary\_model\_name\_2  
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USER NAME = alphonsee	DESIGNED - CC	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
JEFFERSON AVENUE**

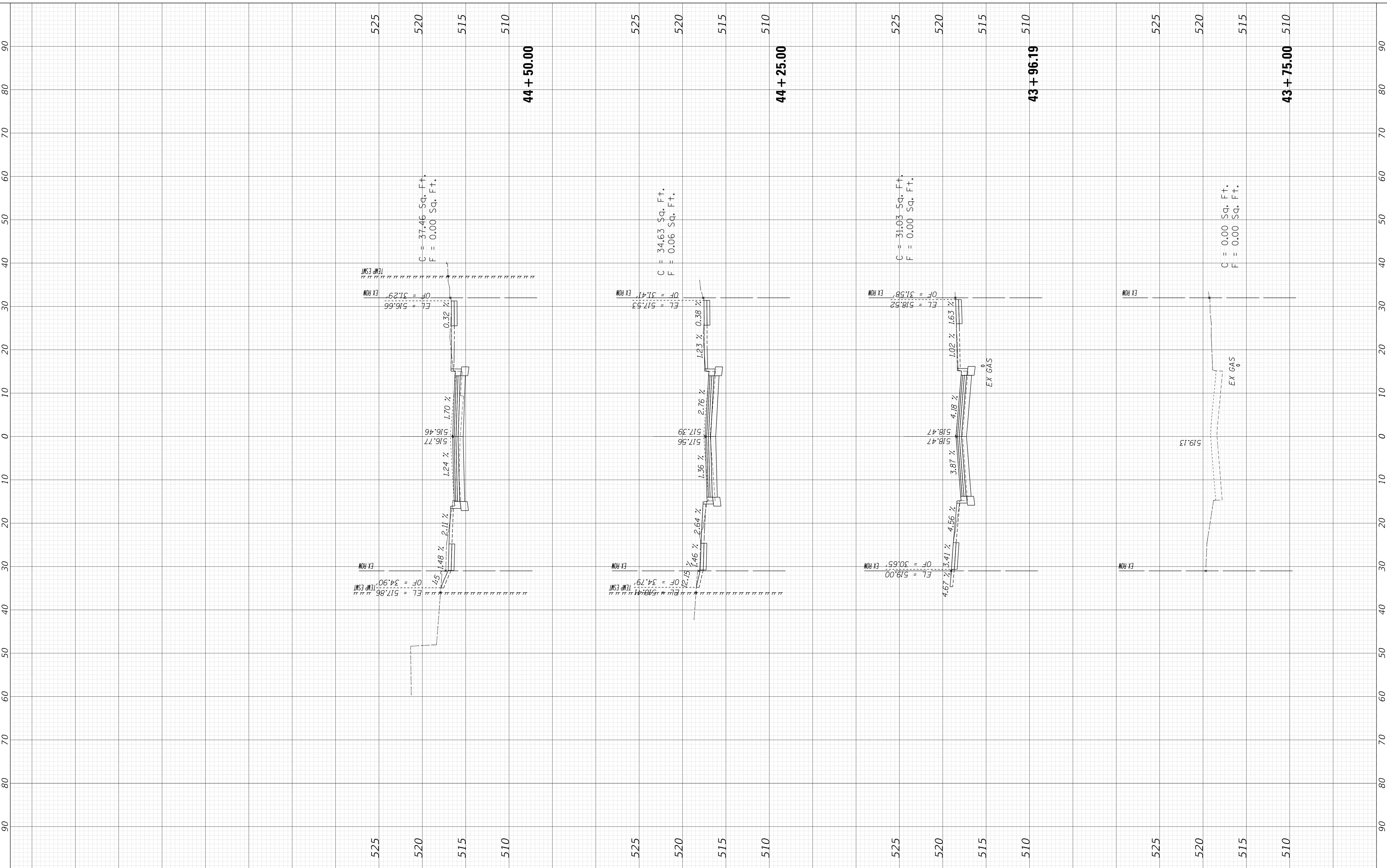
SCALE: 1"=10H, 1"=5V SHEET 2 OF 2 SHEETS STA. 36+56.05 TO STA. 37+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	407
WESTERN AVE RECONSTRUCTION			CONTRACT NO. 89766	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: XS\_SHEET\_temporary\_model\_name\_1  
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
HUMBOLDT STREET (WEST LEG)**

SCALE: 1"=10H, 1"=5V SHEET 1 OF 1 SHEETS STA. 43+75.00 TO STA. 44+50.00

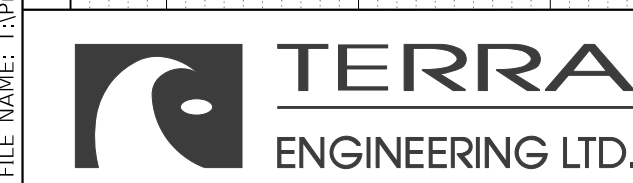
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	408
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		

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

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

MODEL: XS\_SHEET\_temporary\_model\_name\_1  
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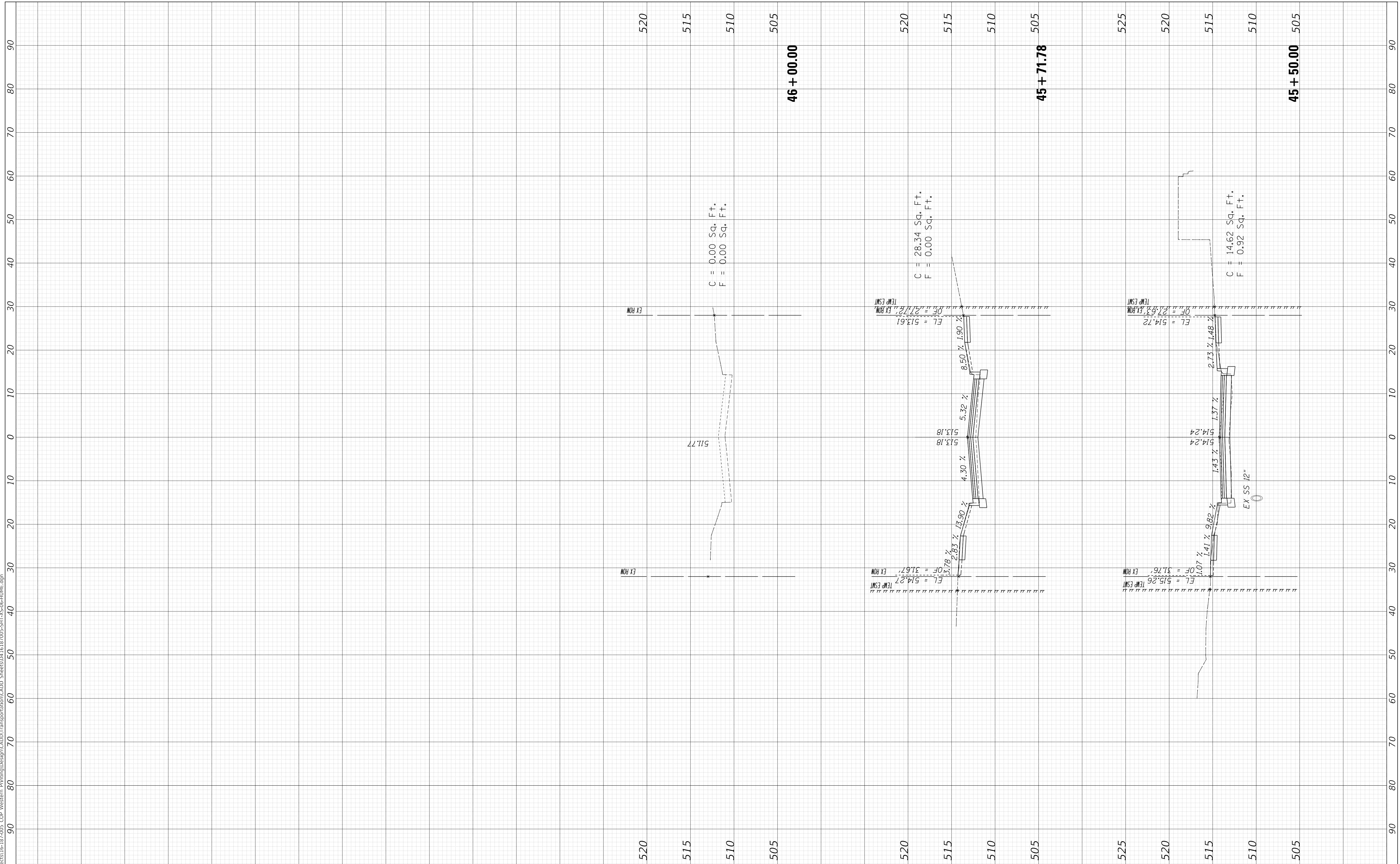
DESIGNED - CC  
 DRAWN - CC  
 CHECKED - ET  
 DATE - 2/21/2020

REVISOR -  
 REVISION -  
 REVISION -  
 REVISION -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 HUMBOLDT STREET (EAST LEG)**  
 SCALE: 1"=10H, 1"=5V SHEET 1 OF 1 SHEETS STA. 45+50.00 TO STA. 46+00.00

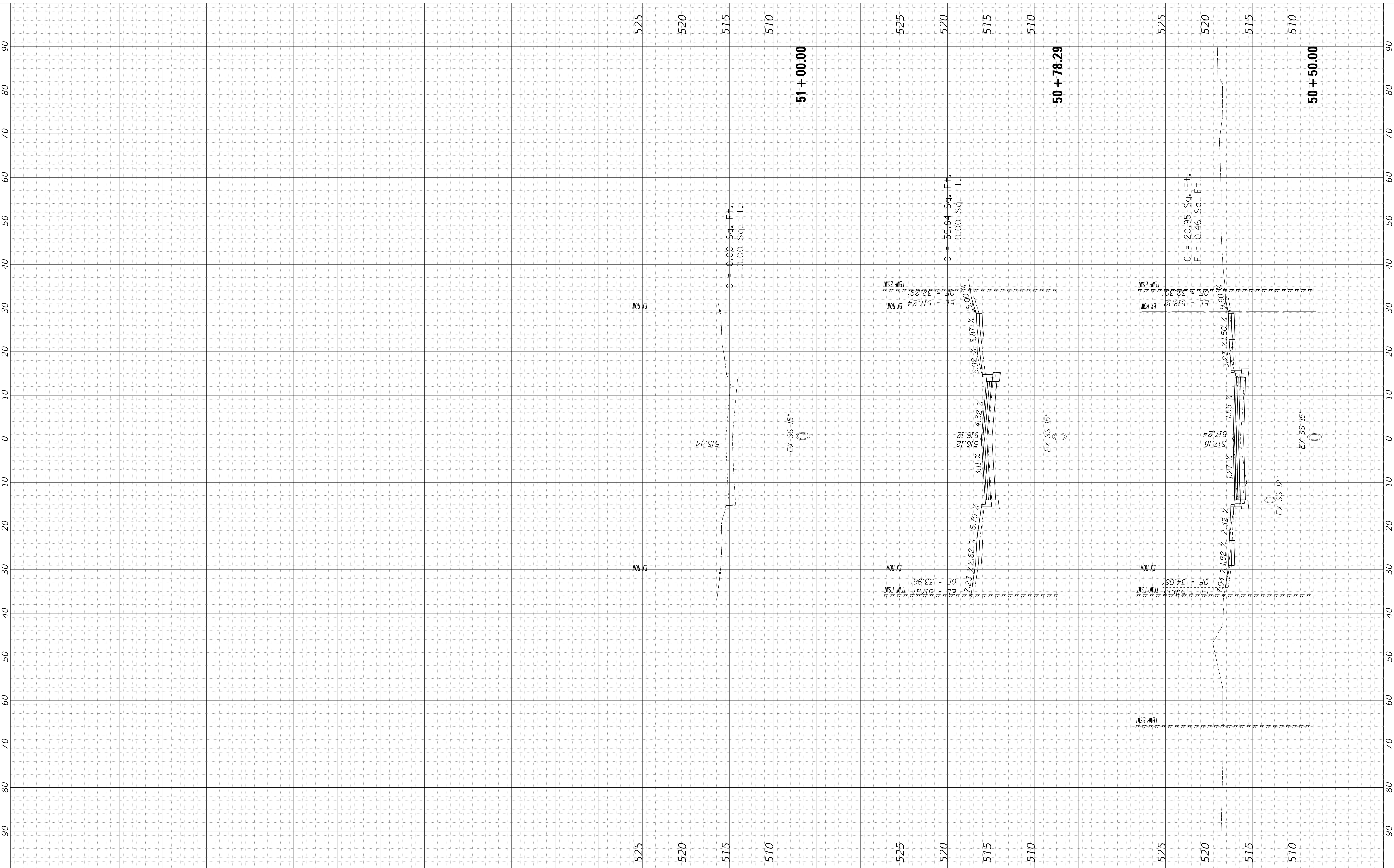
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	409
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS FED. AID PROJECT				



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

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

MODEL: XS\_SHEET\_temporary\_model\_name\_1  
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
LATROBE STREET**

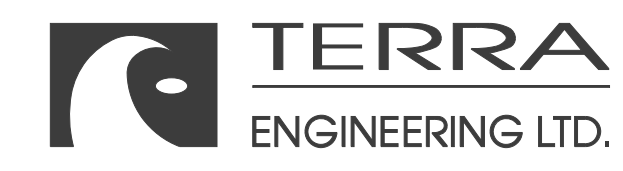
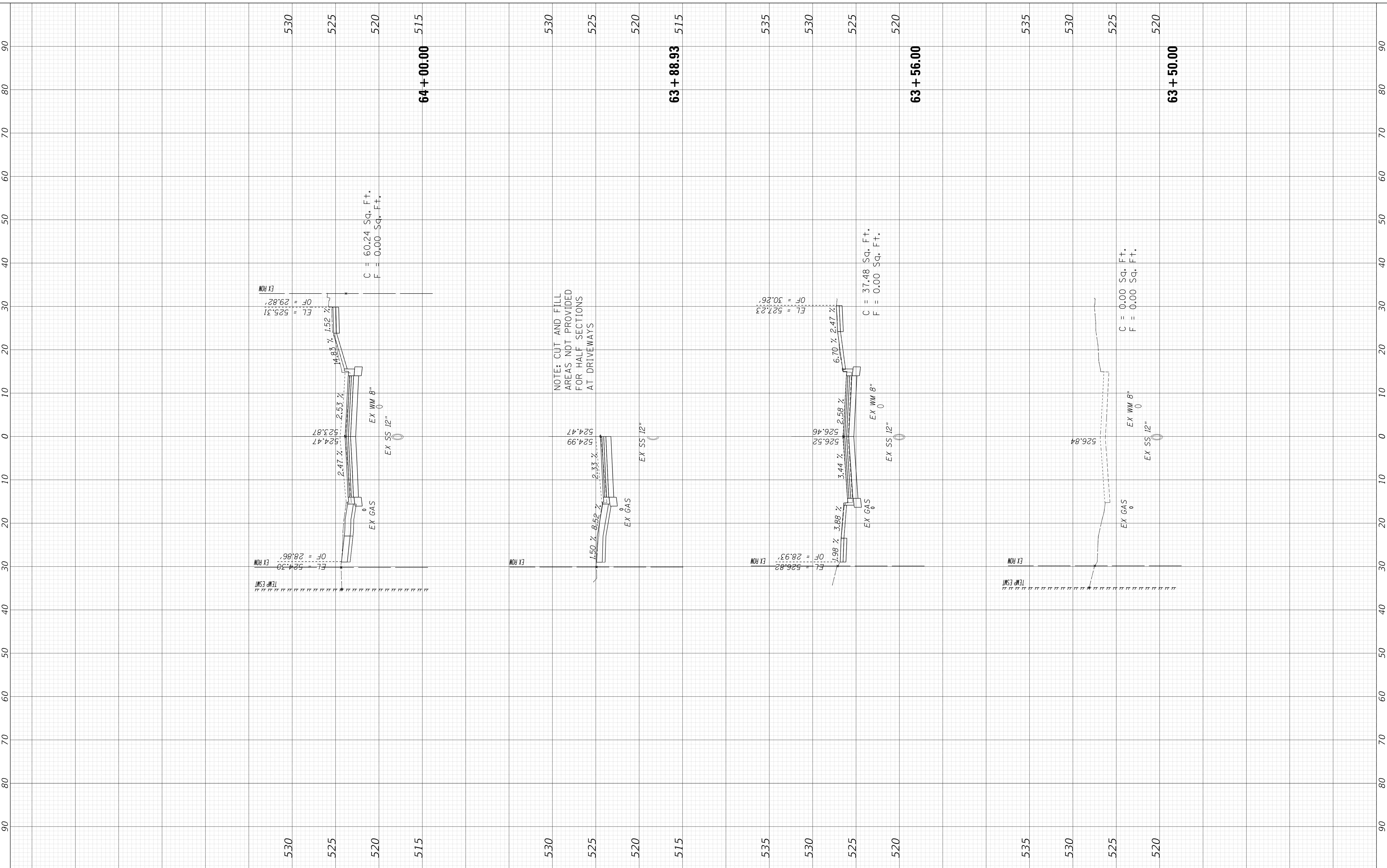
SCALE: 1"=10H, 1"=5V SHEET 1 OF 1 SHEETS STA. 50+50.00 TO STA. 51+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	410
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: XS\_SHEET\_temporary\_model\_name\_1  
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PLOT DATE = 2/24/2020 10:14:01 AM	DATE - 2/21/2020	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 STARR STREET**

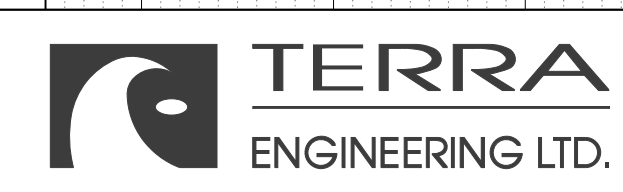
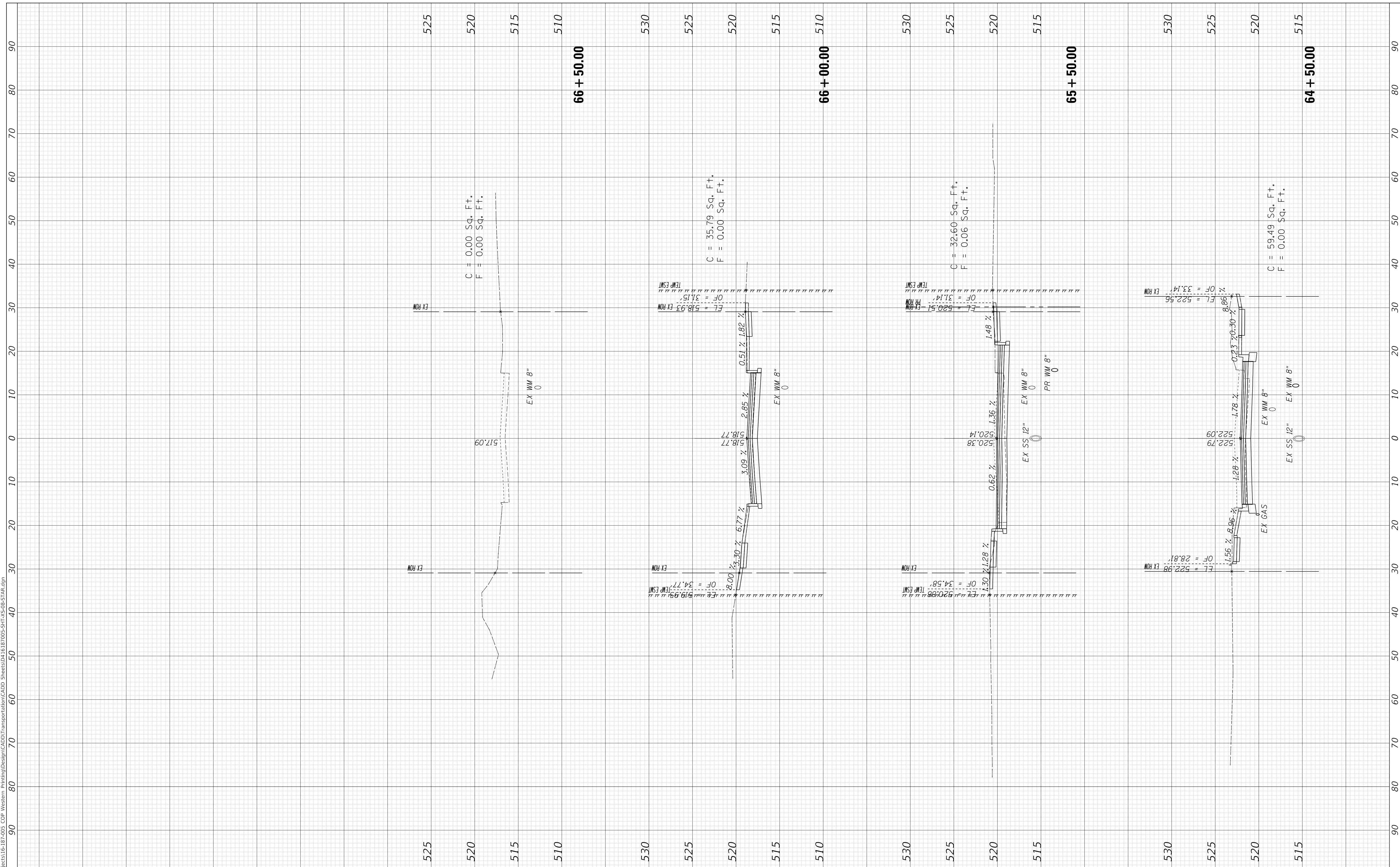
SCALE: 1"=10H, 1"=5V SHEET 1 OF 2 SHEETS STA. 60+45.00 TO STA. 64+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	411
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: XS\_SHEET\_temporary\_model\_name\_2  
 FILE NAME: I:\projects\16-187405 COP - Western Printing\Design\CADD\Transportation\CADD\_Sheets\0416187005-SHT-XS-08-STAR.dgn



USER NAME =	alphonsee
FILENAME =	D416187005-SHT-XS-08-STAR.dgn
PLOT SCALE =	10.0000' / in.
PLOT DATE =	2/24/2020 10:14:03 AM

DESIGNED -	CC
DRAWN -	CC
CHECKED -	ET
DATE -	2/21/2020

REVISED -	-
REVISED -	-
REVISED -	-
REVISED -	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
STARR STREET**

SCALE: 1"=10H, 1"=5V SHEET 2 OF 2 SHEETS STA. 64+50.00 TO STA. 66+50.00

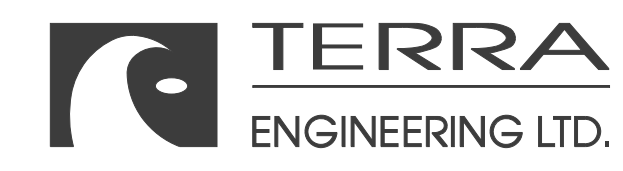
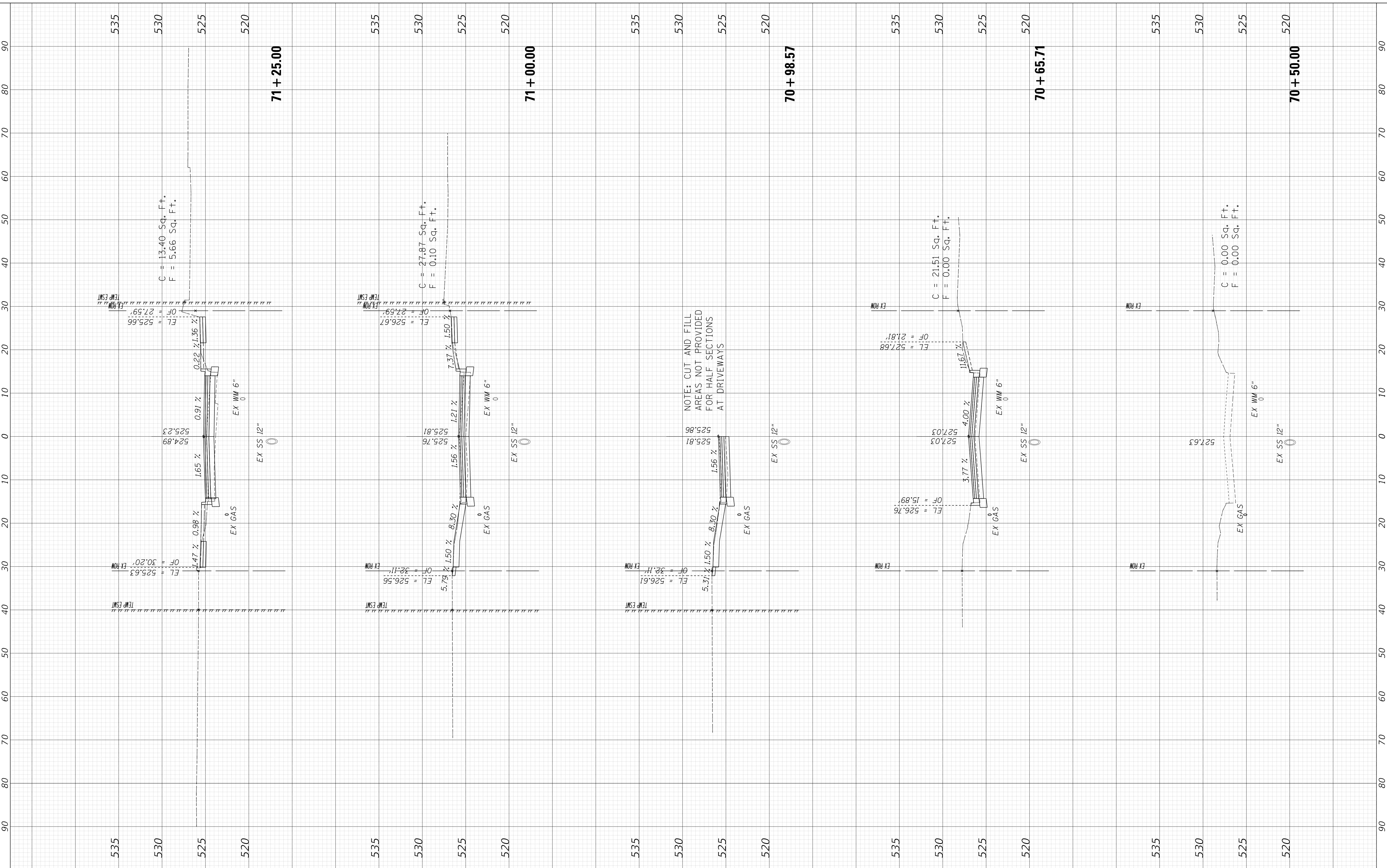
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	412
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS		FED. AID PROJECT		



FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: XS\_SHEET\_temporary\_model\_name\_1  
 FILE NAME: I:\projects\16-00368-01-PV\Western Printing\Design\CADD\Transportation\CADD\_Sheets\016187005-SHT-XS-09-MALO.dgn



USER NAME =	alphonsee	DESIGNED -	CC
FILENAME =	D:\16187005-SHT-XS-09-MALO.dgn	DRAWN -	CC
PLOT SCALE =	10.0000' / in.	CHECKED -	ET
PLOT DATE =	2/24/2020 10:14:08 AM	DATE -	2/21/2020

REVISED -	-
REVISED -	-
REVISED -	-
REVISED -	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
MALONE STREET**

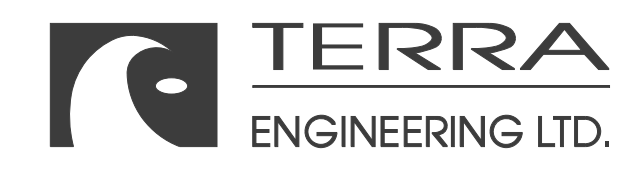
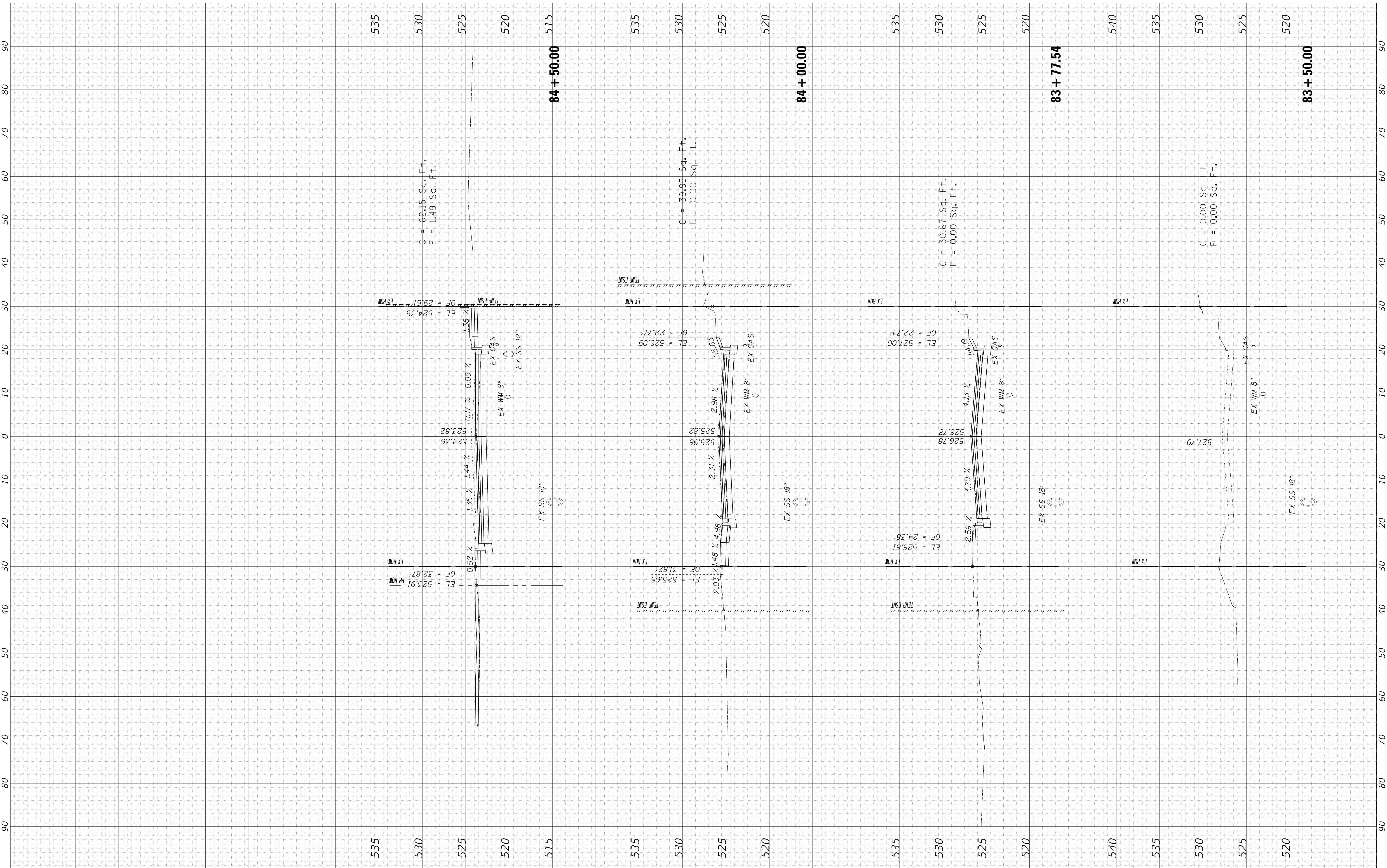
SCALE: 1"=10H, 1"=5V SHEET 1 OF 1 SHEETS STA. 70+50.00 TO STA. 71+25.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	413
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: XS\_SHEET\_temporary\_model\_name\_1  
 FILE NAME: I:\projects\16-00368-01-PV\Western Printing\Design\CADD\Transportation\CADD\_Sheets\0416187005-SHT-XS-10-GARW.dgn



USER NAME =	alphonsee
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PLOT SCALE =	10.0000" / in.
PLOT DATE =	2/24/2020 10:14:13 AM

DESIGNED -	CC
DRAWN -	CC
CHECKED -	ET
DATE -	2/21/2020

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REVISED -	-
REVISED -	-
REVISED -	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

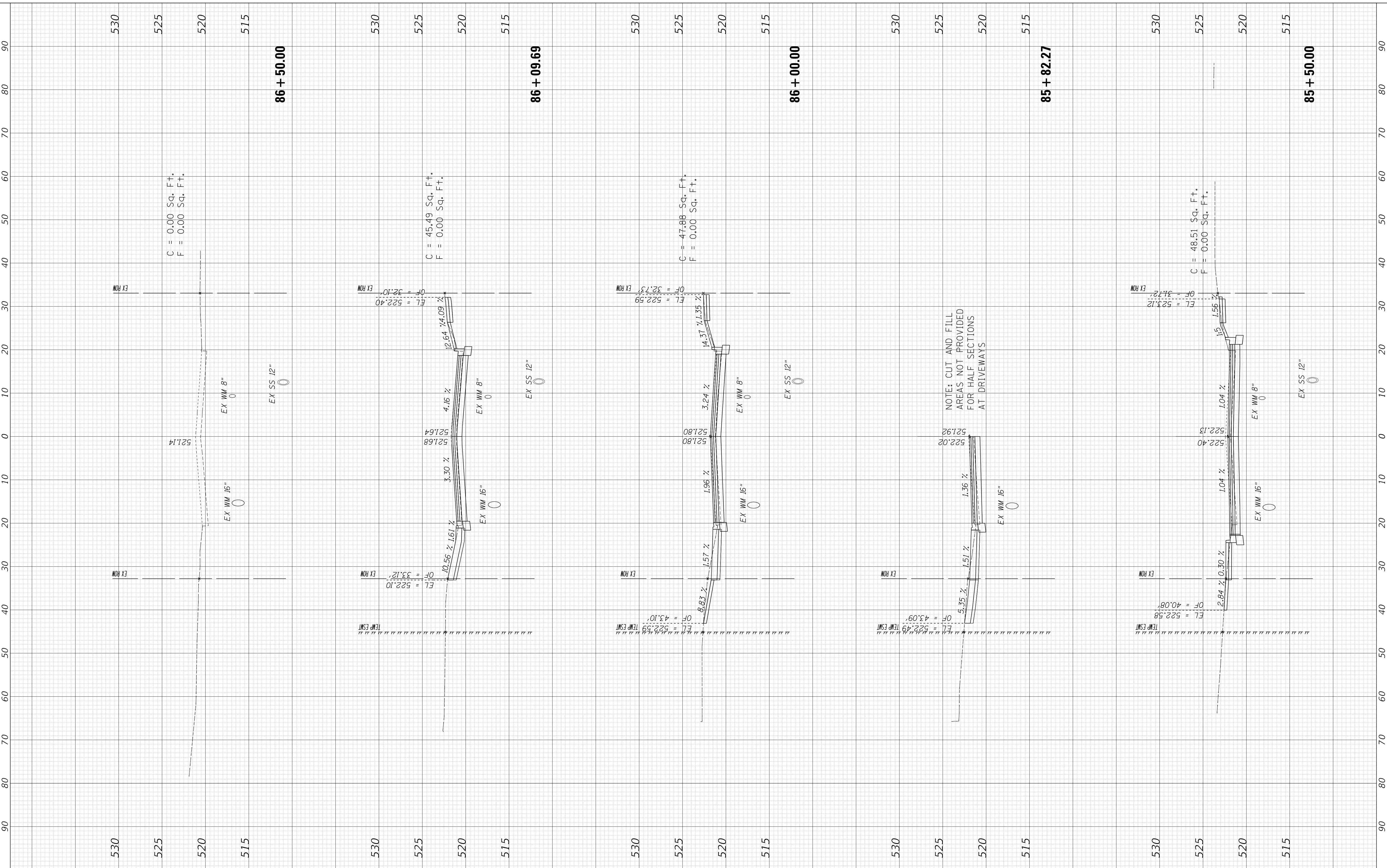
<b>CROSS SECTIONS GARDEN STREET (WEST LEG)</b>			
SCALE: 1"=10H, 1"=5V	SHEET 1	OF 1	SHEETS
STA. 83+50.00	TO STA. 84+50.00		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	414
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		

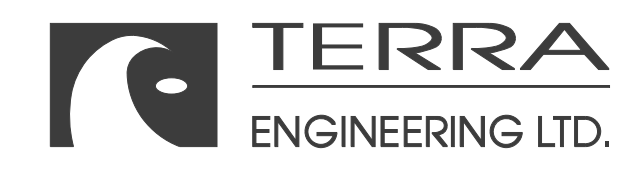
FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: XS\_SHEET\_temporary\_model\_name\_1  
 FILE NAME: I:\projects\16-187-005 COP - Western Printing\Design\CADD\Transportation\CADD\_Sheets\01-187005-SHT-XS-11-GARE.dgn



NOTE: CUT AND FILL AREAS NOT PROVIDED FOR HALF SECTIONS AT DRIVEWAYS



USER NAME	= alphonsee
FILENAME	= D416187005-SHT-XS-11-GARE.dgn
PLOT SCALE	= 10.0000' / in.
PLOT DATE	= 2/24/2020 10:14:18 AM

DESIGNED	- CC
DRAWN	- CC
CHECKED	- ET
DATE	- 2/21/2020

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
GARDEN STREET (EAST LEG)**

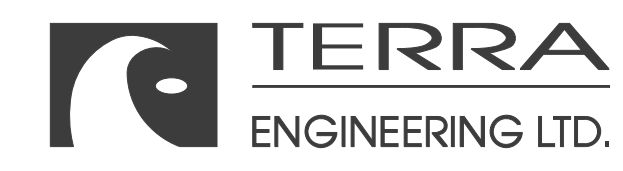
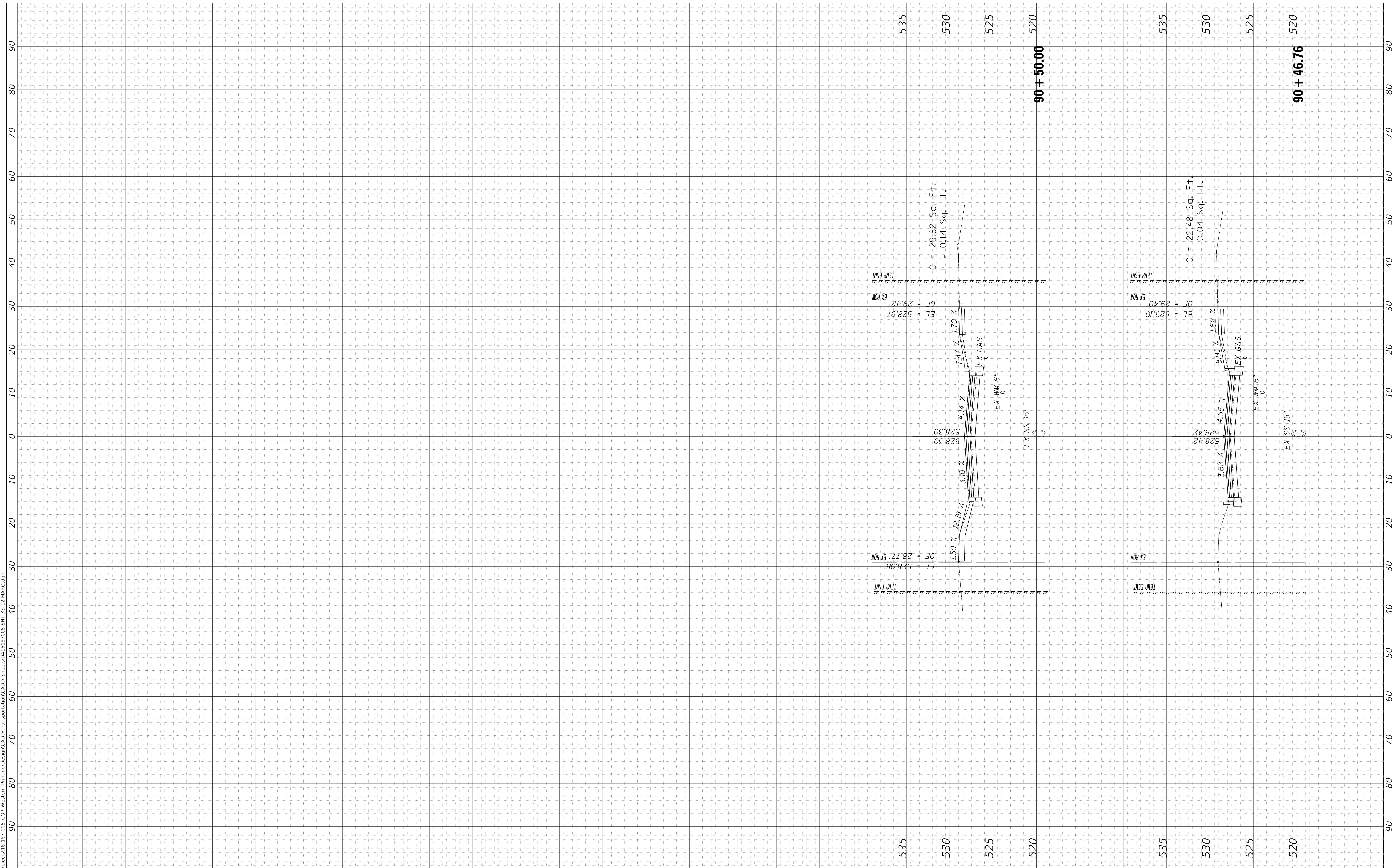
SCALE: 1"=10H, 1"=5V SHEET 1 OF 1 SHEETS STA. 85+50.00 TO STA. 86+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	415
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

MODEL: XS\_SHEET\_temporary\_model\_name\_1  
 FILE NAME: I:\projects\16-00368-01-PV\Western Ave\Western Ave Transportation\CADD\_Sheets\0+46.76\0+50.00-XS-12-MARQ.dgn



USER NAME = alphonse	DESIGNED - CC	REVISED -
FILENAME = D416187005-SHT-XS-12-MARQ.dgn	DRAWN - CC	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - ET	REVISED -
PLOT DATE = 2/24/2020 10:14:23 AM	DATE - 2/21/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

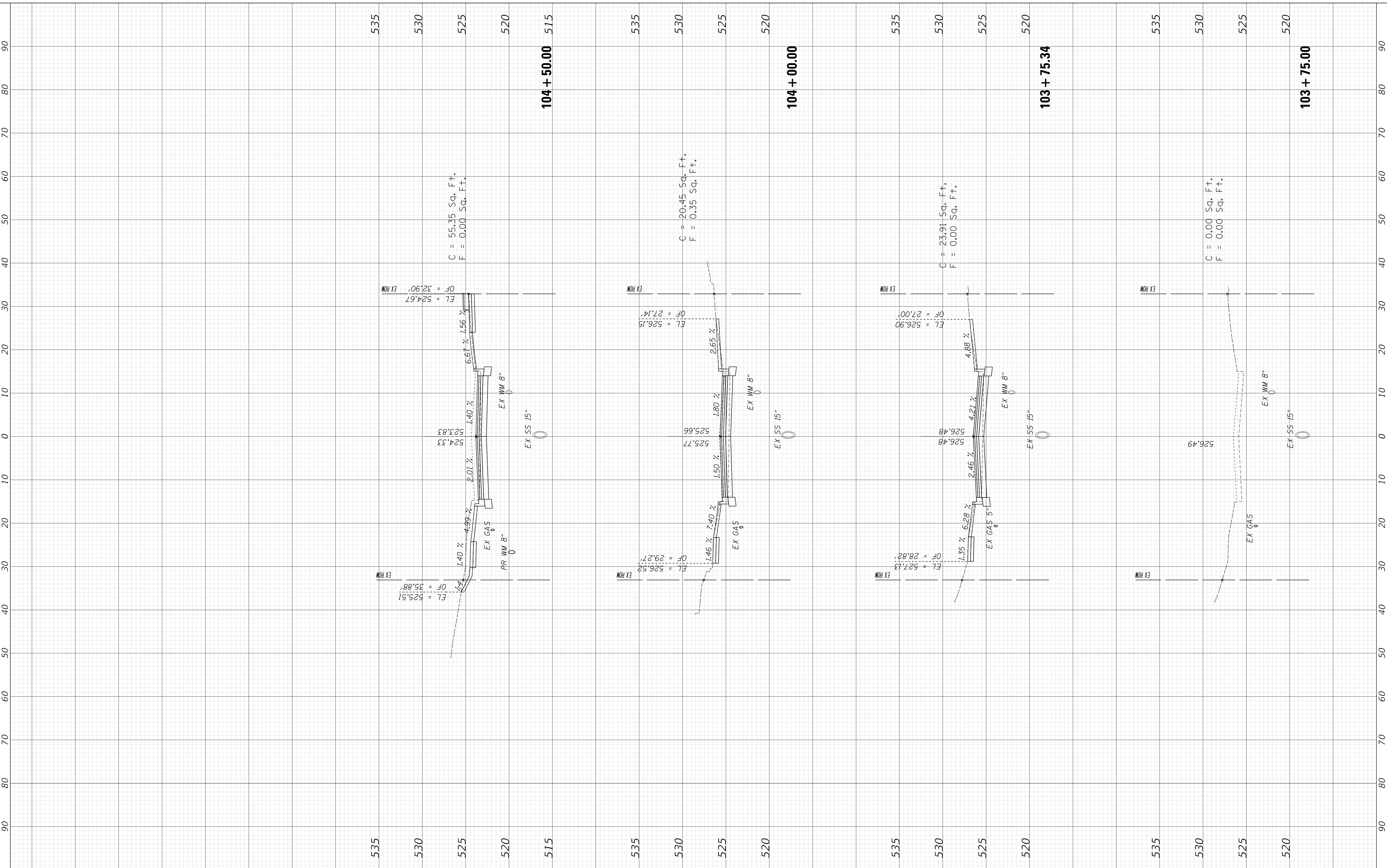
<b>CROSS SECTIONS MARQUETTE STREET</b>		
SCALE: 1"=10H, 1"=5V	SHEET 1	OF 1 SHEETS
STA. 90+46.76	TO STA. 90+50.00	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	416
WESTERN AVE RECONSTRUCTION			CONTRACT NO.	89766
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: XS\_SHEET\_temporary\_model\_name\_1  
FILE NAME: I:\projects\16-187005 COP - Western Printing\Design\CADD\Transportation\CADD\_Sheets\0416187005-SHT-XS-13-ANTW.dgn



USER NAME	= alphonsee
FILENAME	= D416187005-SHT-XS-13-ANTW.dgn
PLOT SCALE	= 10.0000' / in.
PLOT DATE	= 2/24/2020 10:14:28 AM

DESIGNED	- CC
DRAWN	- CC
CHECKED	- ET
DATE	- 2/21/2020

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
ANTOINETTE STREET (WEST LEG)**

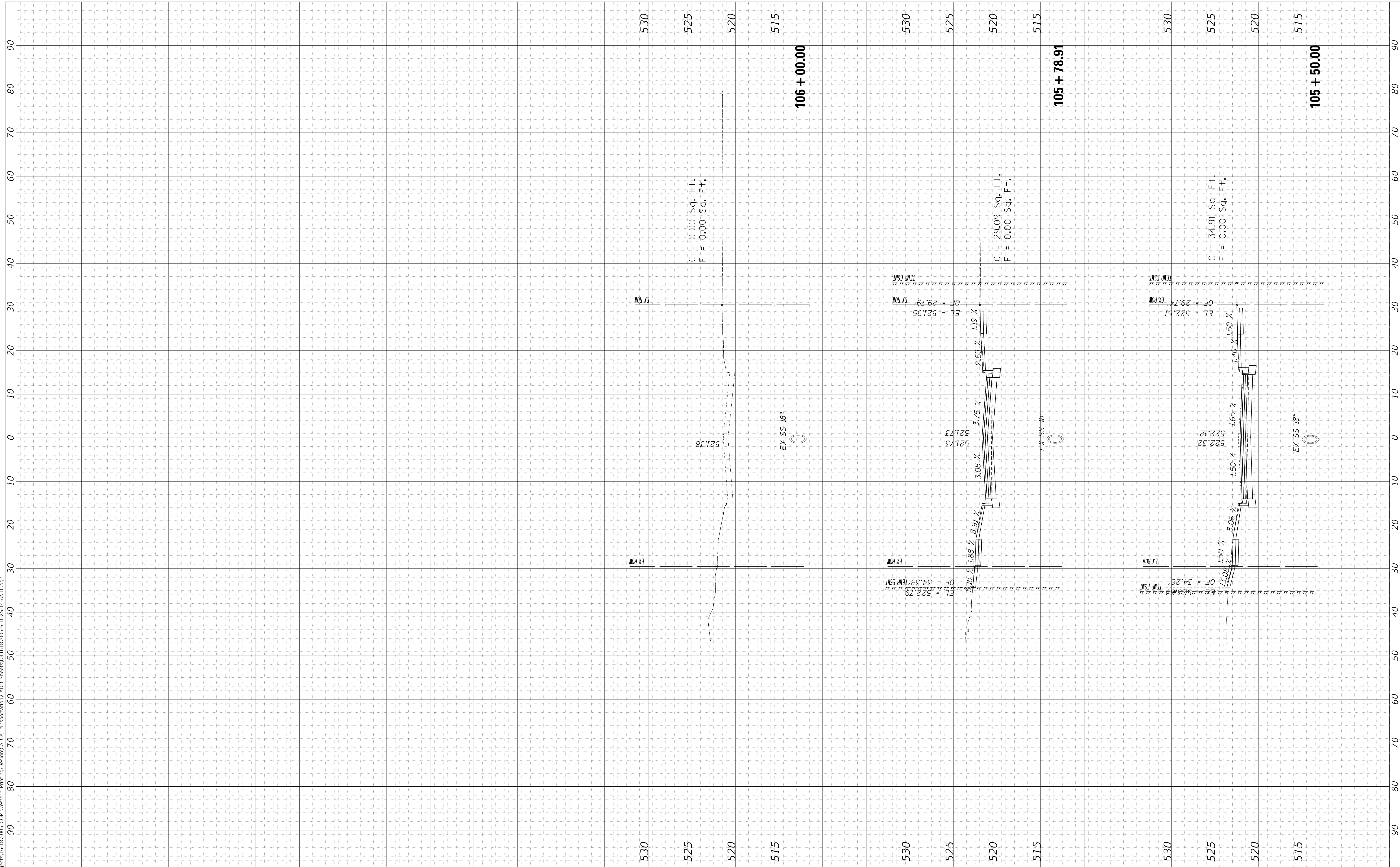
SCALE: 1"=10H, 1"=5V SHEET 1 OF 1 SHEETS STA. 103+75.00 TO STA. 104+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	417
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: XS\_SHEET\_temporary\_model\_name\_1  
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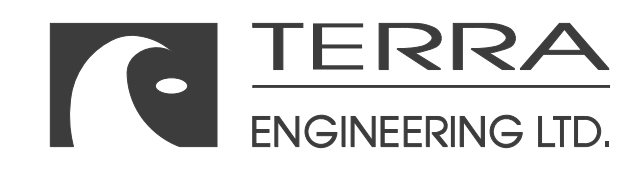


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
ANTOINETTE STREET (EAST LEG)**

SCALE: 1"=10H, 1"=5V SHEET 1 OF 1 SHEETS STA. 105+50.00 TO STA. 106+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	418
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS FED. AID PROJECT				

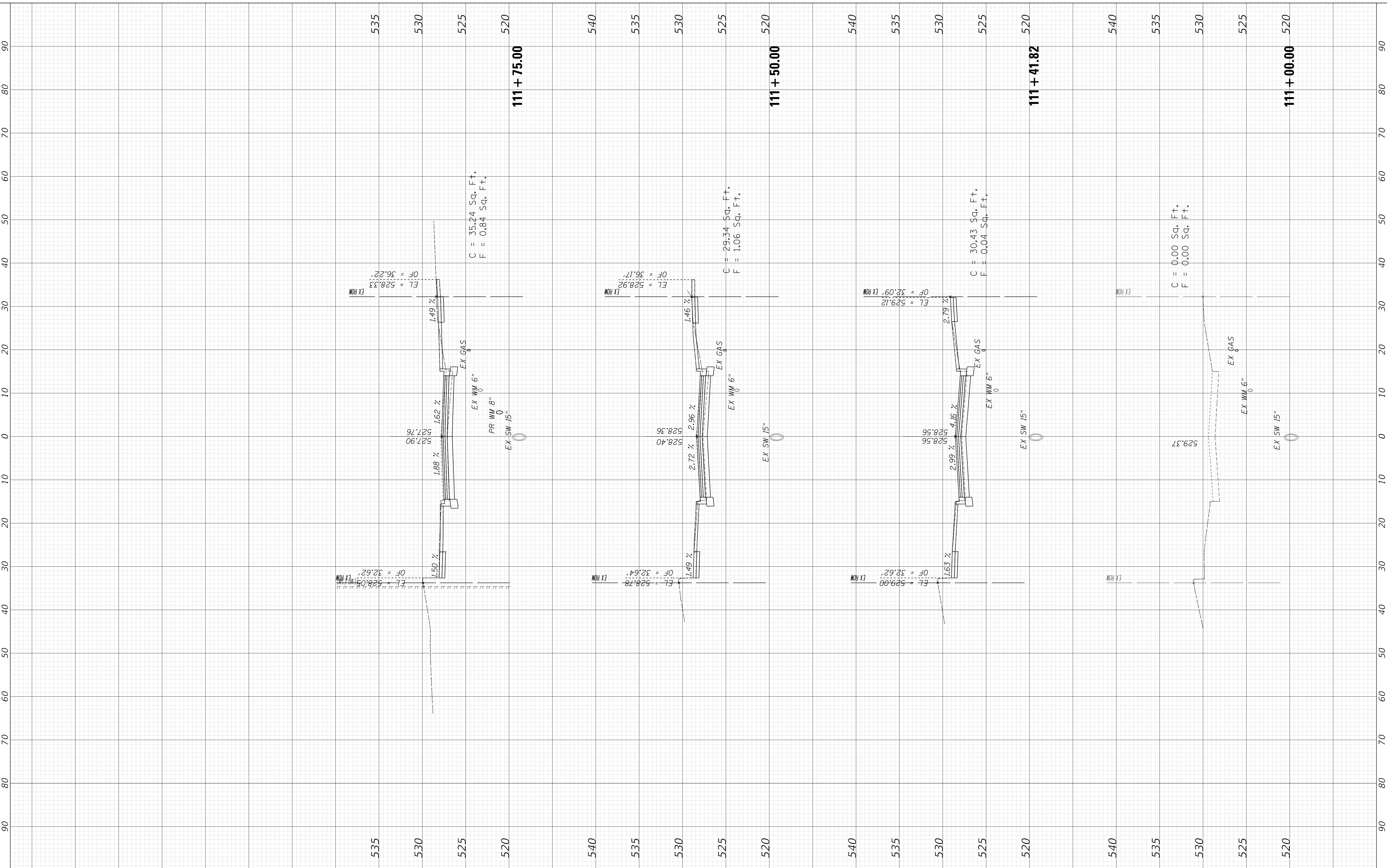


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FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: XS\_SHEET\_temporary\_model\_name\_1  
FILE NAME: I:\projects\16-00368-01-PV\Western Printing\Design\CADD\Transportation\CADD\_Sheets\0416187005-SHT-XS-15-PROC.dgn



USER NAME	= alphonsee
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PLOT SCALE	= 10.0000' / in.
PLOT DATE	= 2/24/2020 10:14:37 AM

DESIGNED	- CC	REVISED	-
DRAWN	- CC	REVISED	-
CHECKED	- ET	REVISED	-
DATE	- 2/21/2020	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
PROCTOR STREET**

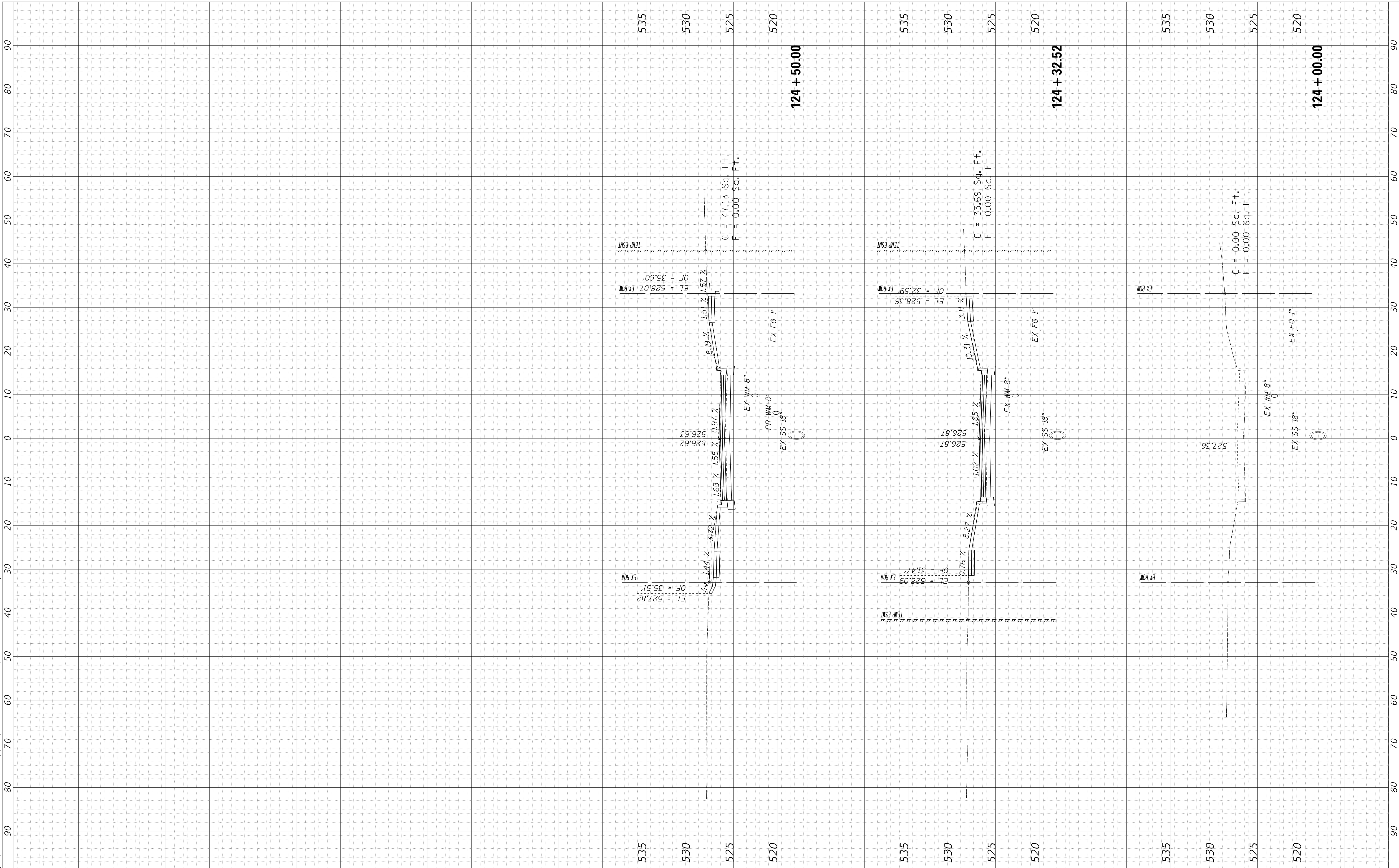
SCALE: 1"=10H, 1"=5V SHEET 1 OF 1 SHEETS STA. 111+00.00 TO STA. 111+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	419
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
ILLINOIS		FED. AID PROJECT		

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

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

MODEL: XS\_SHEET\_temporary\_model\_name\_1  
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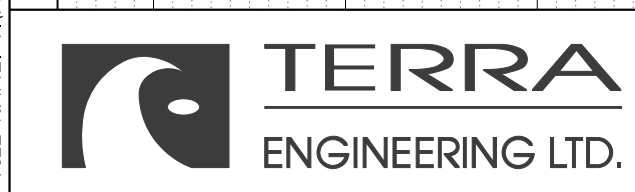


USER NAME = alphonsee	DESIGNED - CC	REVISED -
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PLOT DATE = 2/24/2020 10:14:42 AM	DATE - 2/21/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS ANN STREET (WEST LEG)</b>		
SCALE: 1"=10H, 1"=5V	SHEET 1	OF 1 SHEETS
STA. 124+00.00	TO STA. 124+50.00	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	420
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		

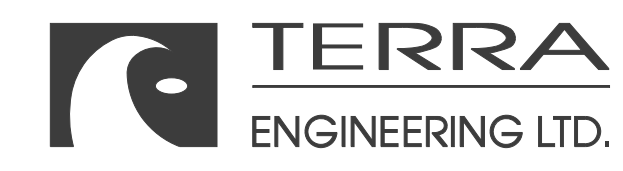
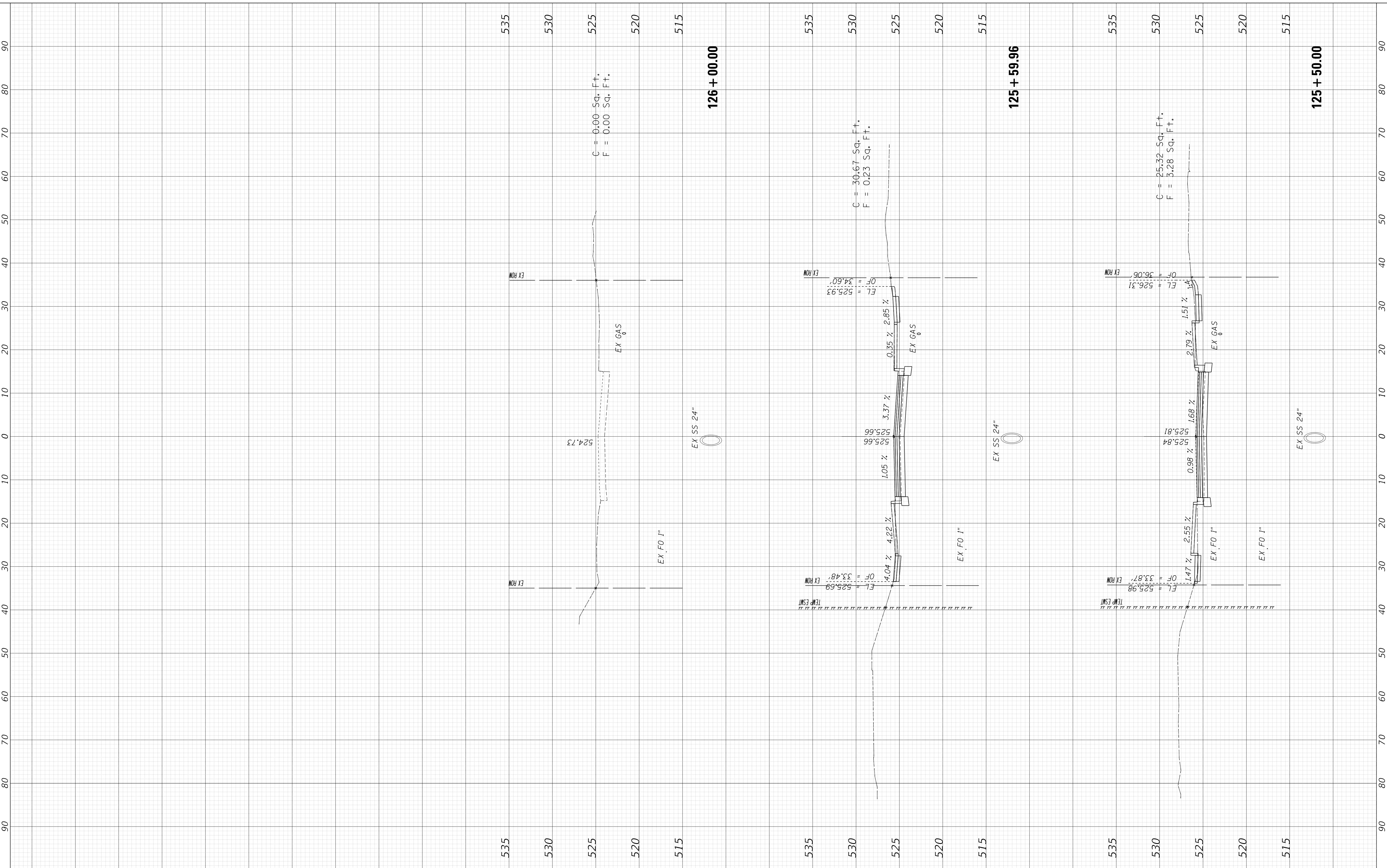




FINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

MODEL: XS\_SHEET\_temporary\_model\_name\_1  
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USER NAME =	alphonsee
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DESIGNED -	CC
DRAWN -	CC
CHECKED -	ET
DATE -	2/21/2020

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
ANN STREET (EAST LEG)

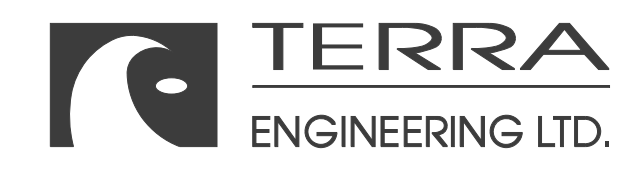
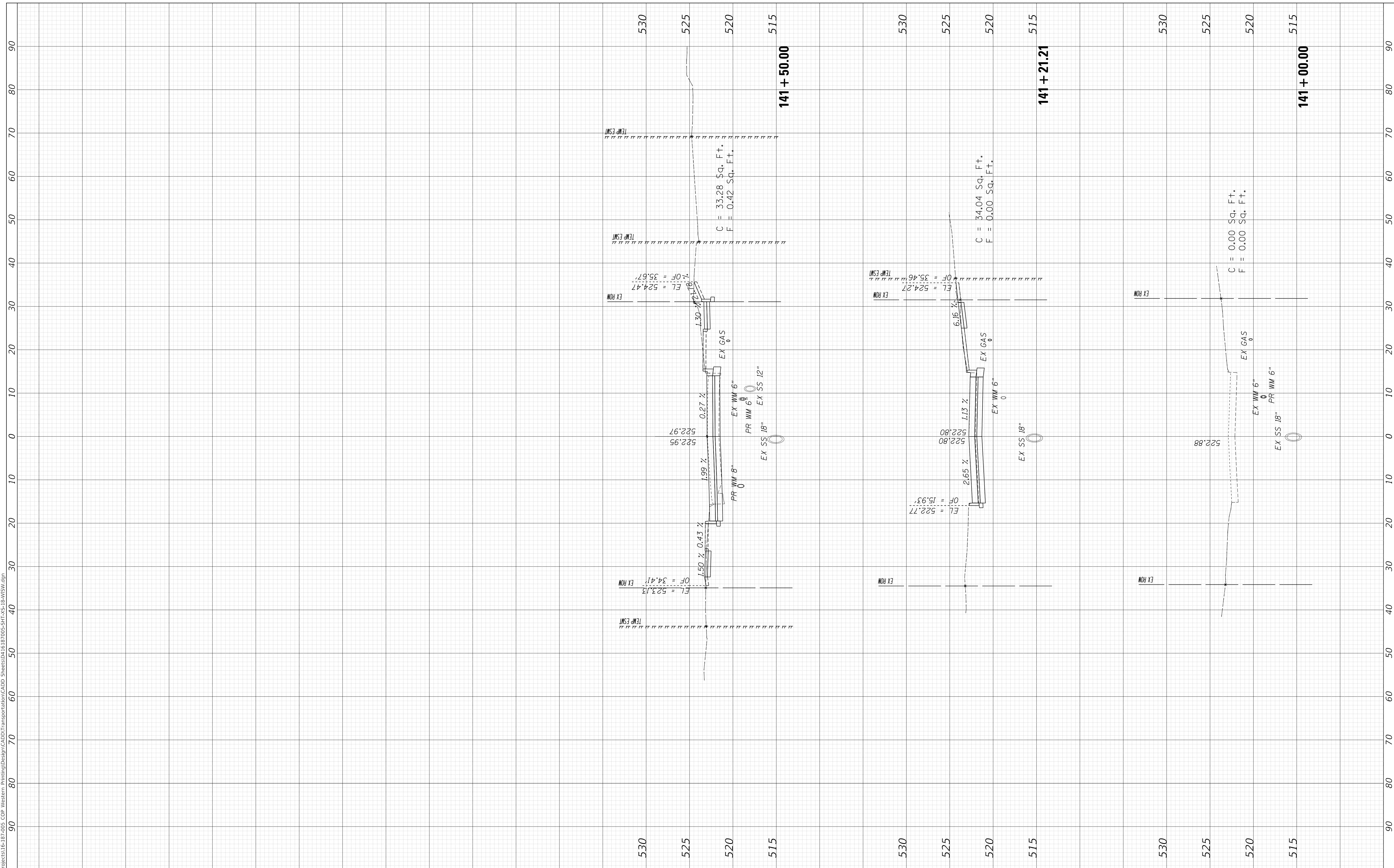
SCALE: 1"=10H, 1"=5V SHEET 1 OF 1 SHEETS STA. 125+50.00 TO STA. 126+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	421
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: XS\_SHEET\_temporary\_model\_name\_1  
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DESIGNED -	CC
DRAWN -	CC
CHECKED -	ET
DATE -	2/21/2020

REVISED -	
REVISED -	
REVISED -	
REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
WISWALL STREET**

SCALE: 1"=10H, 1"=5V SHEET 1 OF 1 SHEETS STA. 141+00.00 TO STA. 141+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	422
WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS		FED. AID PROJECT		