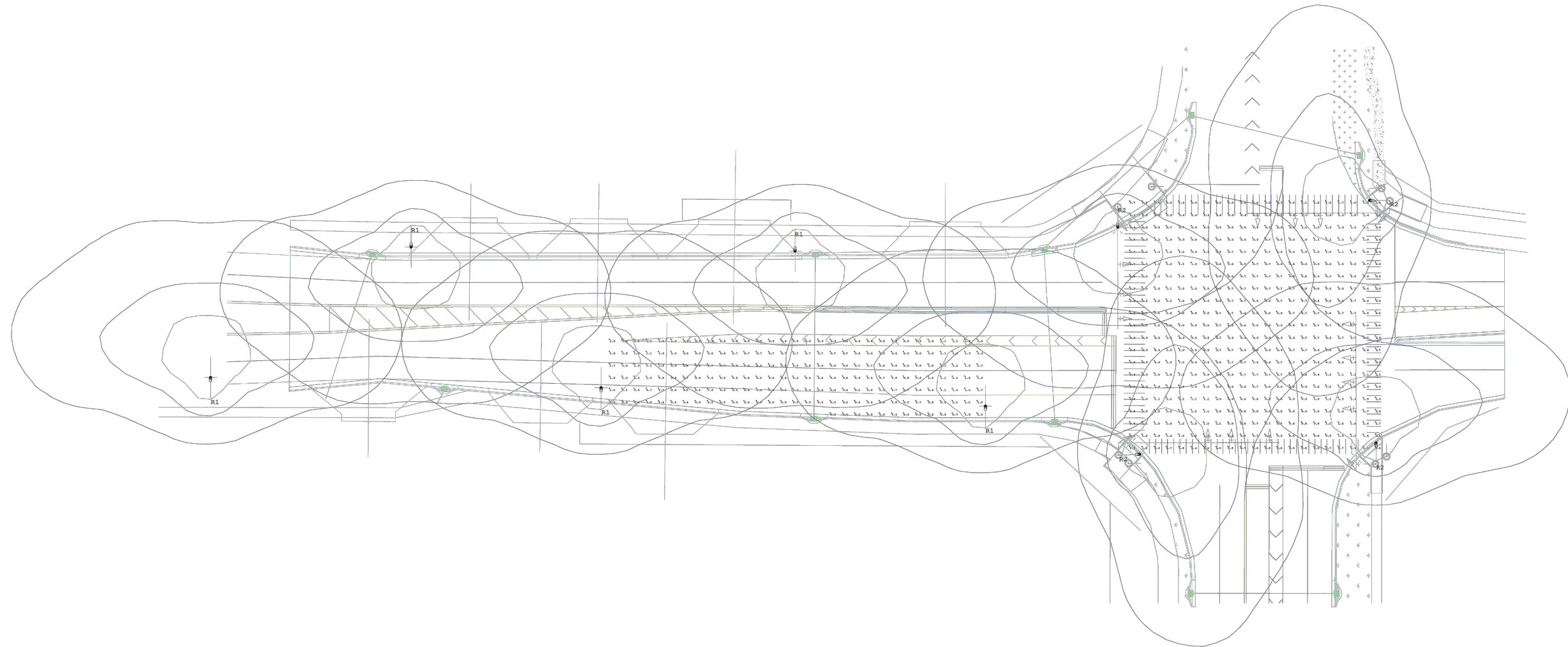


Luminaire Schedule									
Symbol	Qty	Label	Arrangement	Description	Tag	LLF	Luminaire Lumens	Luminaire Watts	Total Watts
	4	R2	Single	ATBM P10 XXXXX R3 4K_5K	R2	0.700	11303	81	324
	5	R1	Single	ATBM P10 XXXXX R3 4K_5K	R1	0.700	11303	81	405

Calculation Summary								Luminaire Tag Summary	
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Tag	Qty
Calc Zone 2 - Intersection	Illuminance	Fc	0.90	N.A.	N.A.	3.00	N.A.	R1	5
Calc Zone 2 - Iteration Roadway	Illuminance	Fc	0.79	N.A.	N.A.	2.63	N.A.	R2	4



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DESIGNED	EAA	DATE-	10-13-23
DRAWN	SRH		
CHECKED	RMB		
PROJECT #:	5111.02		

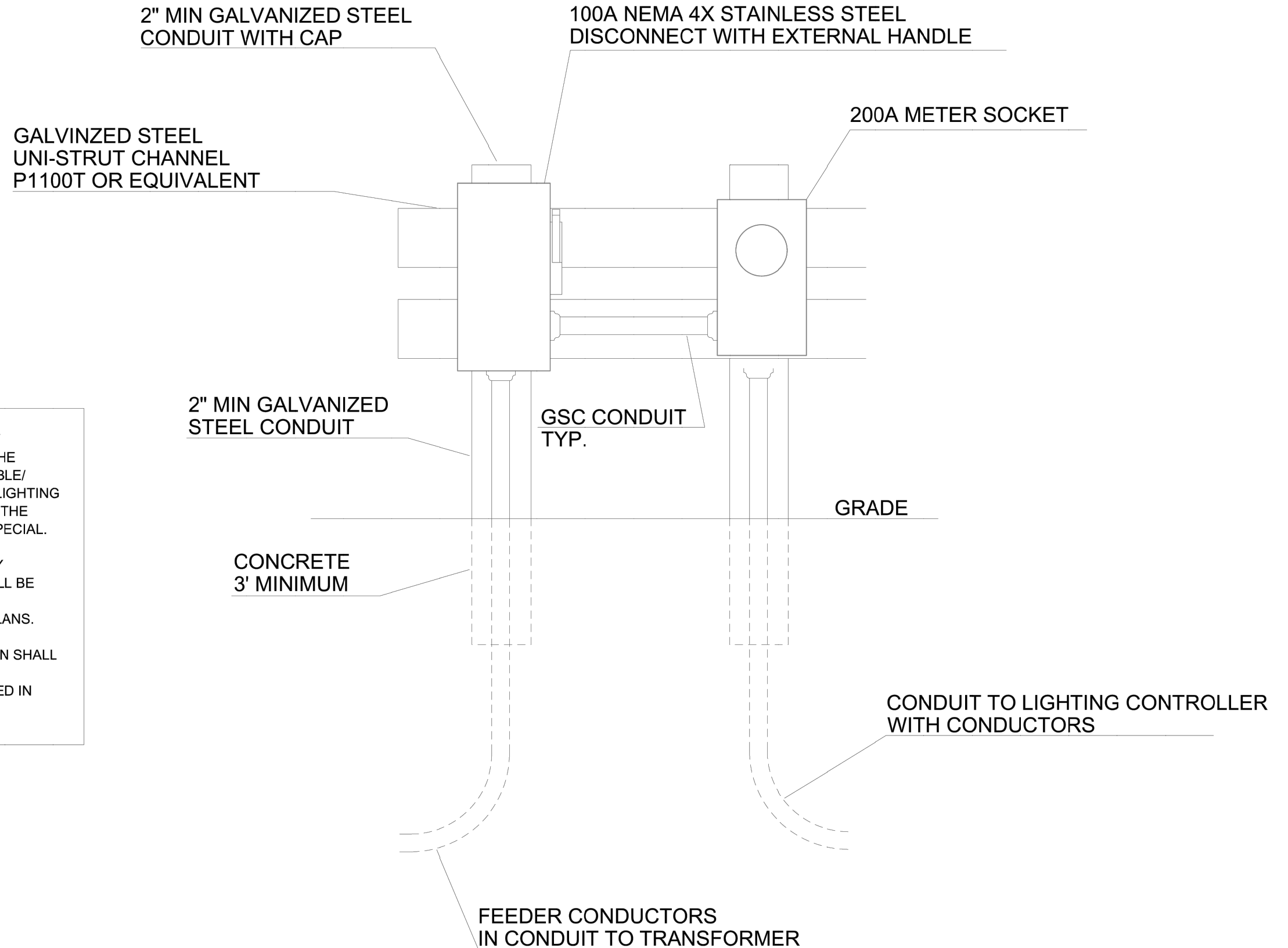
**PIONEER PKWY &
N UNIVERSITY ST
RECONSTRUCTION**



**PIONEER PKWY & N UNIVERSITY ST
LIGHTING PLANS (2 OF 7)**

SHEET
101 OF 152

ELECTRIC SERVICE INSTALLATION

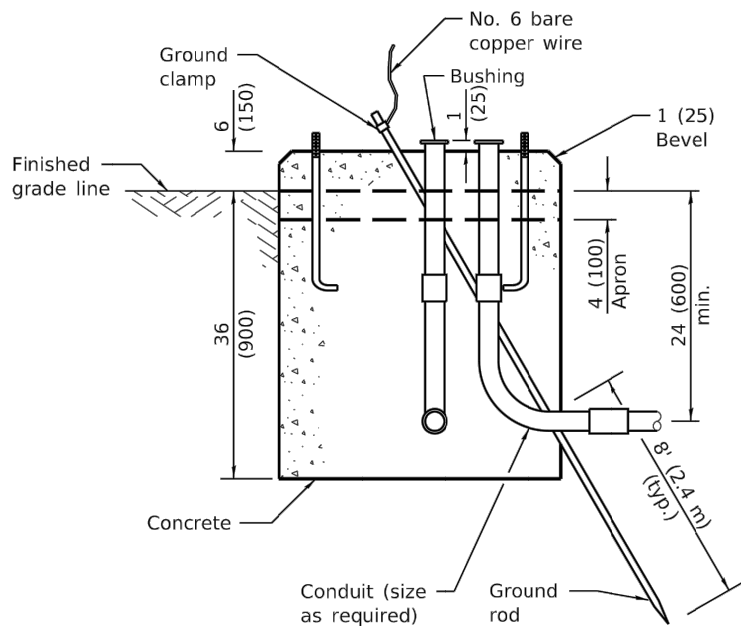
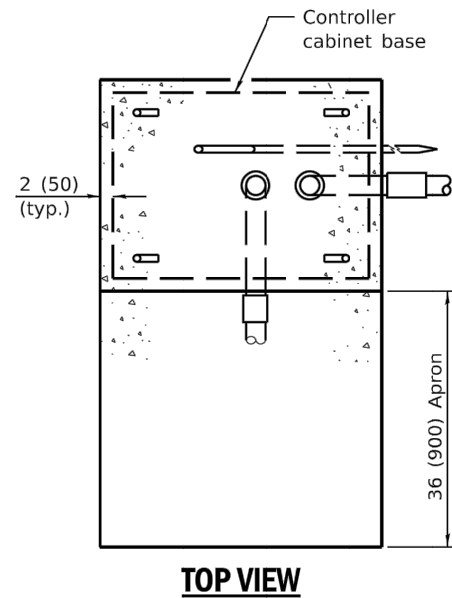


NOTES:

1. THE COST OF THE UNDERGROUND SERVICE CABLE/ CONDUIT FROM THE EXISTING TRANSFORMER TO THE PROPOSED ELECTRICAL SERVICE AND SERVICE CABLE/ CONDUIT FROM THE ELECTRICAL SERVICE TO THE LIGHTING CONTROLLER SHALL BE INCLUDED IN THE COST OF THE PROPOSED ELECTRICAL SERVICE INSTALLATION, SPECIAL.
2. THE CONTRACTOR SHALL VERIFY UTILITY COMPANY SERVICE INSTALLATION REQUIREMENTS, THERE WILL BE NO ADDITIONAL COMPENSATION TO ACCOMODATE ADDITIONAL REQUIREMENTS NOT SHOWN IN THE PLANS.
3. THE PROPOSED ELECTRICAL SERVICE INSTALLATION SHALL BE LOCATED WITHIN 10 FT. OF THE NEW LIGHTING CONTROLLER CABINET AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST UTILITY COMPANY REQUIREMENTS.

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LIGHT POLE MOUNTING HEIGHT	BOLT CIRCLE DIAMETER	METAL FOUNDATION			CONCRETE FOUNDATION		
		SHAFT DIAMETER	SHAFT DEPTH	TOP PLATE (min)	SHAFT DIAMETER	SHAFT DEPTH	ANCHOR ROD LENGTH
≤30' (9.1 m)	11½ (292)	8¾ (220)	6' (1.83 m)	12 x 12 x 1 (300 x 300 x 25)	24 (610)	5'-0" (1.52 m)	4'-9" (1.45 m)



Use dirt removed from foundation to meet 5' (1.52 m) chord fill around foundation top. Grade dirt level with bottom of concrete chamfer.

Length above foundation shall be adjusted to accommodate breakaway devices furnished by the contractor for a specific installation.

5 (125) I.D. Schedule 40 P.V.C. wiring window. Fill with fine aggregate.

Two (min.) 5/8 x 10' (16 x 3 m) connected (threaded) grounding electrodes.

5 (125) I.D. Schedule 40 P.V.C. wiring window (grounding electrode not shown).

No. 6 bare copper grounding electrode conductor.

24 (610) min. dia. with 11½ (292) bolt circle, 30 (762) min. dia. with 15 (381) or 17 (432) bolt circle.

Top of wiring window shall be flush with top of foundation.

Plate to be installed when required (See ring plate detail)

3 (75) Min. concrete cover on all steel

Anchor rod 1 (25) diameter with 9 (230) threads. Anchor rod shall extend through nut 1 (25). For foundation behind barrier or guardrail, use self-locking nut and flat washer. Do not use lock washer.

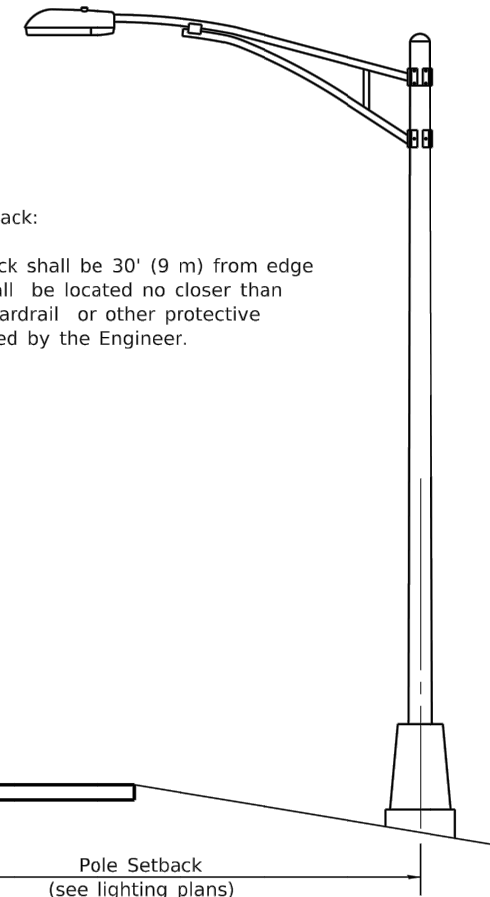
3/4 (19) Chamfer

Finished grade

Varies

24 (610) min.

15 (381) Formed



GENERAL NOTES

All foundations are designed to be located on slopes not exceeding 2:1 where soils have an unconfined compressive strength of at least 1.0 TSF. The Contractor shall verify the soil strength during drilling for concrete foundations or by monitoring installation resistance of metal foundations and notify the Engineer if other conditions are encountered.

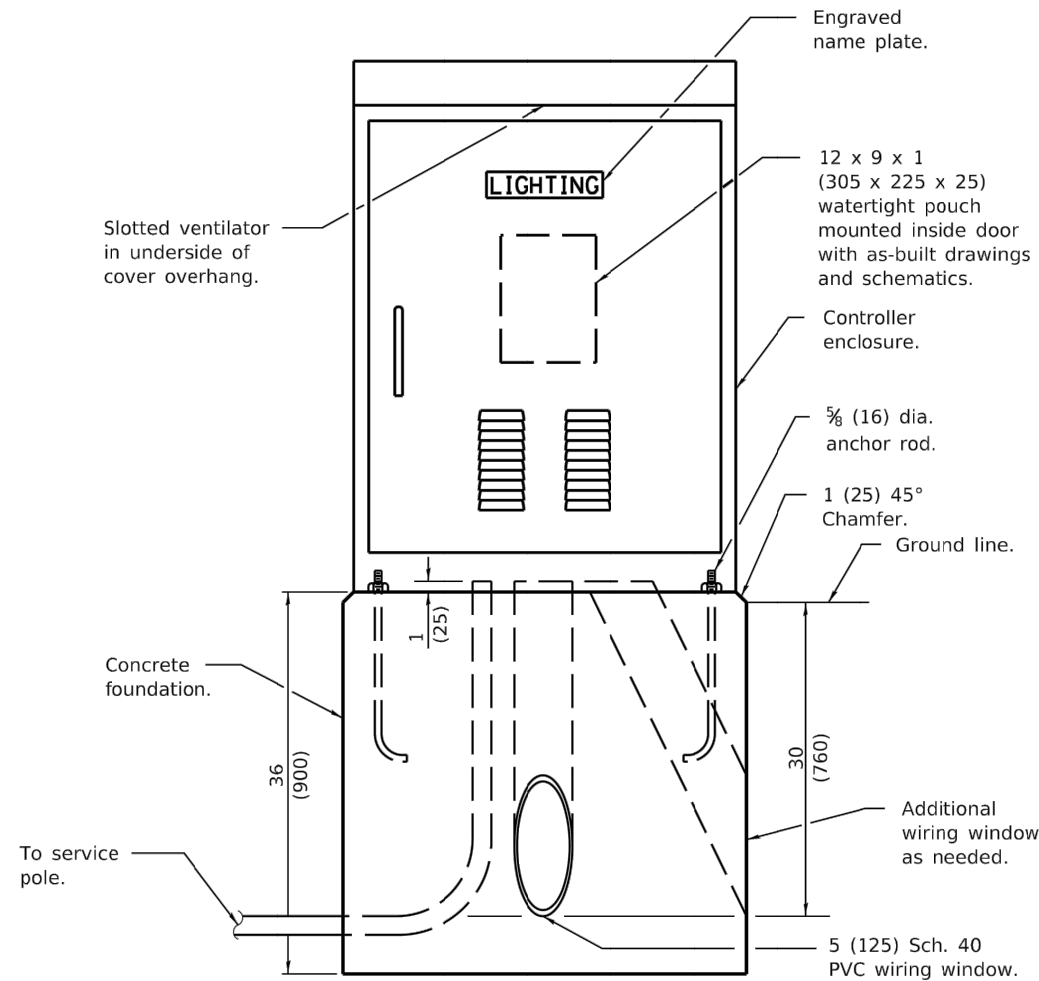
When rock is encountered the foundation depth may be reduced 6 (150) for every 12 (300) of embedment in rock. The minimum foundation depth shall be 4'-6" (1.37 m) with cut anchor rods 6 (150) above bottom of excavated hole. See ring plate detail.

* If the required anchor rod length above top of foundation is less than 3 (75), anchor rods may be lowered below 6 (150).

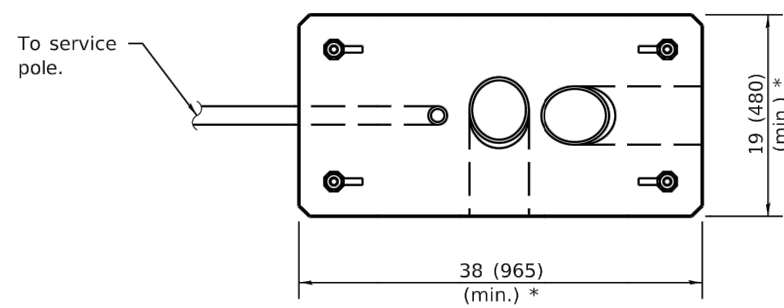
CONCRETE FOUNDATION

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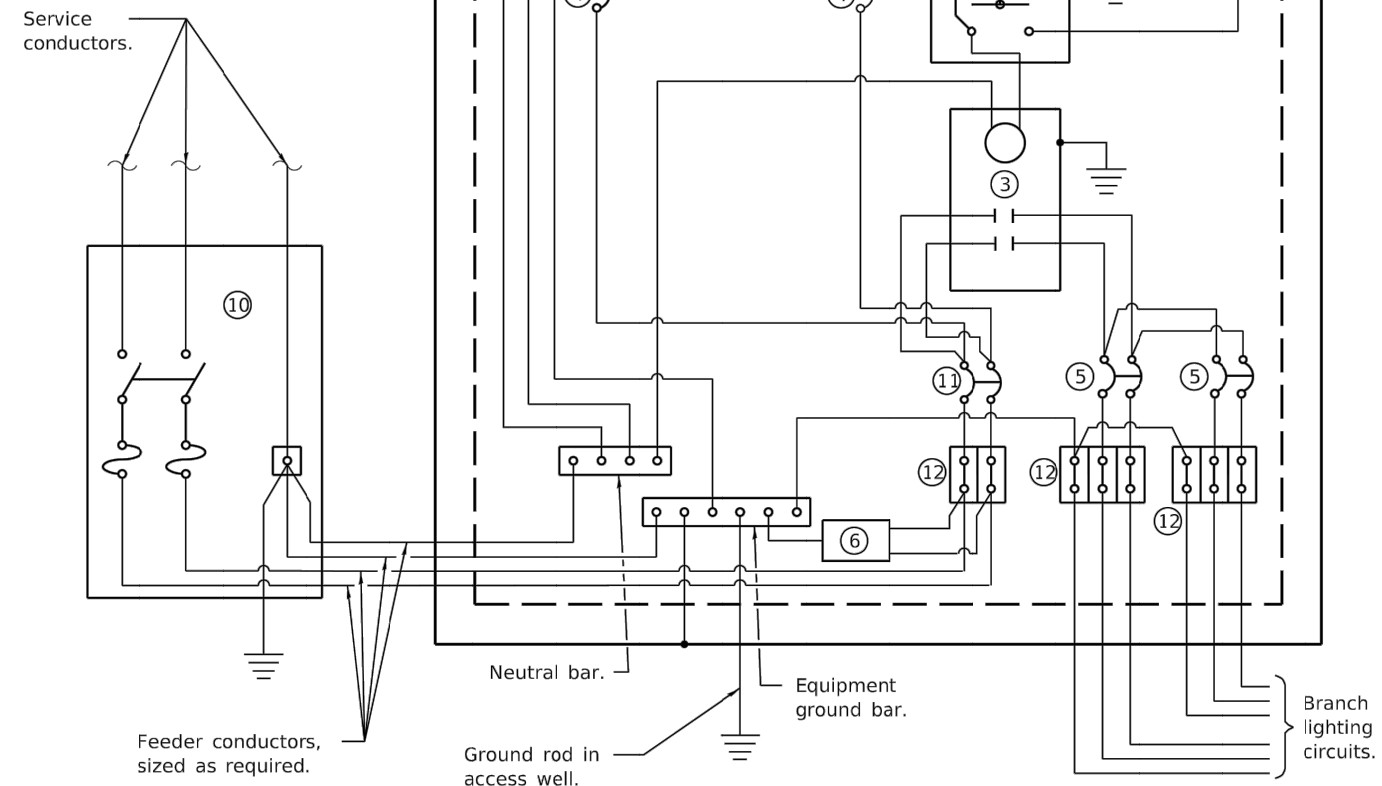
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LIGHTING CONTROLLER

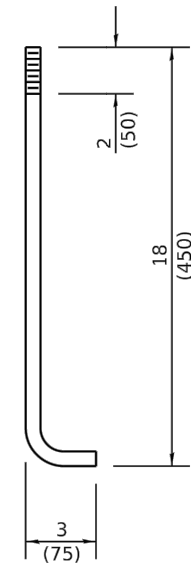


FOUNDATION (PLAN)
(Work pad not shown.)



CONTROL SCHEMATIC

- ① Photocell with integral surge arrester.
- ② HAND-OFF-AUTO selector switch.
- ③ 100 amp*, electrically held contactor.
- ④ 15 amp, 1-pole circuit breaker.
- ⑤ 20 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 Incandescent luminaire, enclosed and gasketed with 100 watt lamp.
- ⑩ Service disconnect switch - 2-pole, 3-wire, 100 amp*, fused at 100 amp*, solid neutral in NEMA 4X enclosure having lockable external handle.
- ⑪ 100 amp*, 2-pole circuit breaker.
- ⑫ Terminal block sized for conductors as shown on plans.



**ANCHOR ROD
DETAIL**

V:\5111.02 - Pioneer Pkwy-University St. Reconstruction - PH II (Peoria)\CADD\CADD Sheets\5111.02-sht-lighting.dwg

LIGHTING FIXTURE SCHEDULE:

Label	Catalog Number	Description	Lamp	Voltage	Mount	Watts	Accessories	Notes
R1	AMERICAN ELECTRICAL	ROADWAY LED LUMINAIRE	11300		DAVIT ARM ON	81		REFER TO IDOT STANDARDS FOR INSTALLATION.
R2	#ATBM-P10-MVOLT-R3-NL-BAA.	FULL CUTOFF, TYPE III DISTRIBUTION, NATURAL ALUMINUM FINISH, 4000K COLOR TEMP. 70 CRI MINIMUM. IP 66 GLASS OPTICS. SURGE PROTECTION 20KV. TOO-LESS ENTRY QUICK DISCONNECT TO POWER. 2-BOLT CLAMMING TO MAST ARM. RATED -40C TO +40C.	LUMEN LED		30' ALUM. POLE. (SFT ARM), NATURAL ALUMINUM FINISH			

BREAKER SCHEDULE

PANEL : C1
 VOLTAGE : 120/240
 PHASE : 1 - WIRE : 3
 NOTE : OPEN FRAME

RATING (AIC) : 10,000
 BUS : 100A
 MAIN : 100A BREAKER
 FEED : TOP

TYPE : SNAP-IN
 NEMA : 1
 MOUNT : SURFACE
 LOCATION : INTERIOR OF CABINET

DESCRIPTION	WIRE SIZE	WATTS	BRKR AMP	CTK NO.	BUS CONN	CTK NO.	BRKR AMP	WATTS	WIRE SIZE	DESCRIPTION
				1		2		380	3	CONTACTOR (PNL C)
				3		4		380		
PHOTO CELL	12	50	15	1		6	1	2000	6	TRAFFIC CONTROL CABINET
RECEPTACLE/LIGHT IN CABINET	12		15	1		8	1	20		SPARE
				9		10				
				11		12				
				13		14				
				15		16				
		50 180						2380 380		

WATTS: BUS A: 2,430
 BUS B: 560
 TOTAL: 2,990
 POWER FACTOR: 1
 AMPS: 12.5

X = GFCI BREAKER
 0 = ARC FAULT
 + = SHUNT TRIP
 ◊ = HANDLE LOCK

BREAKER SCHEDULE

PANEL : C
 VOLTAGE : 120/240
 PHASE : 1 - WIRE : 3
 NOTE : OPEN FRAME

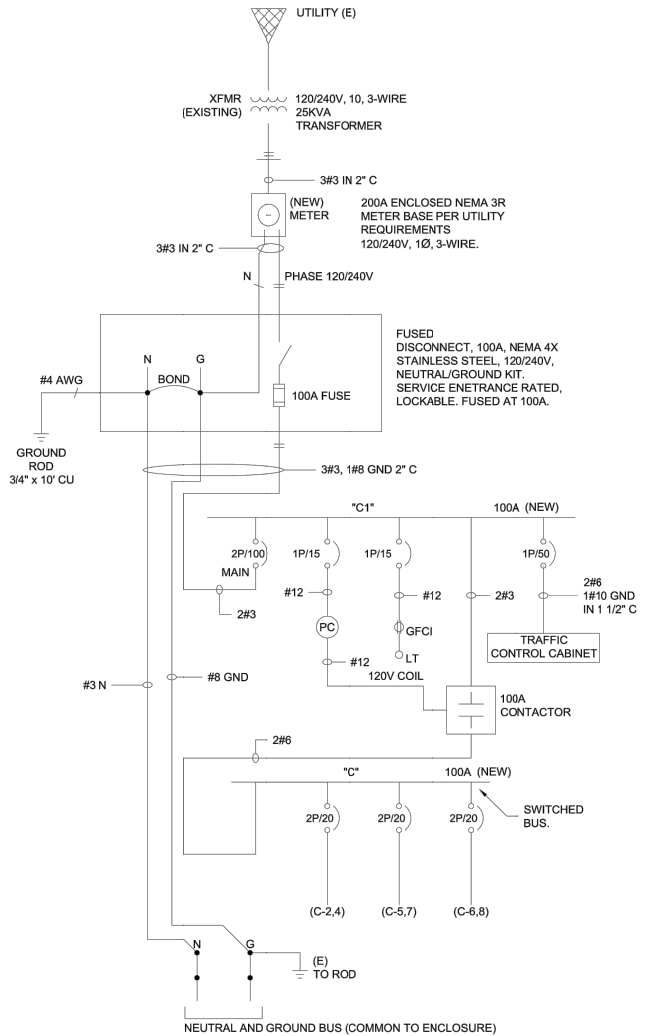
RATING (AIC) : 10,000
 BUS : 100A
 MAIN : 60A BREAKER
 FEED : TOP

TYPE : SNAP-IN
 NEMA : 1
 MOUNT : SURFACE
 LOCATION : INTERIOR OF CABINET

DESCRIPTION	WIRE SIZE	WATTS	BRKR AMP	CTK NO.	BUS CONN	CTK NO.	BRKR AMP	WATTS	WIRE SIZE	DESCRIPTION
MAIN	6		60	2		1		90	2	LIGHTS EAST. UNIV.
				3		2	20	90		
LIGHTS W. UNIV.	2	90	20	2		6	2	200	8	LIGHTS INTERSECTION
				5		7		200		
				7		8				
				9		10				
				11		12				
				13		14				
				15		16				
		90 90						290 290		

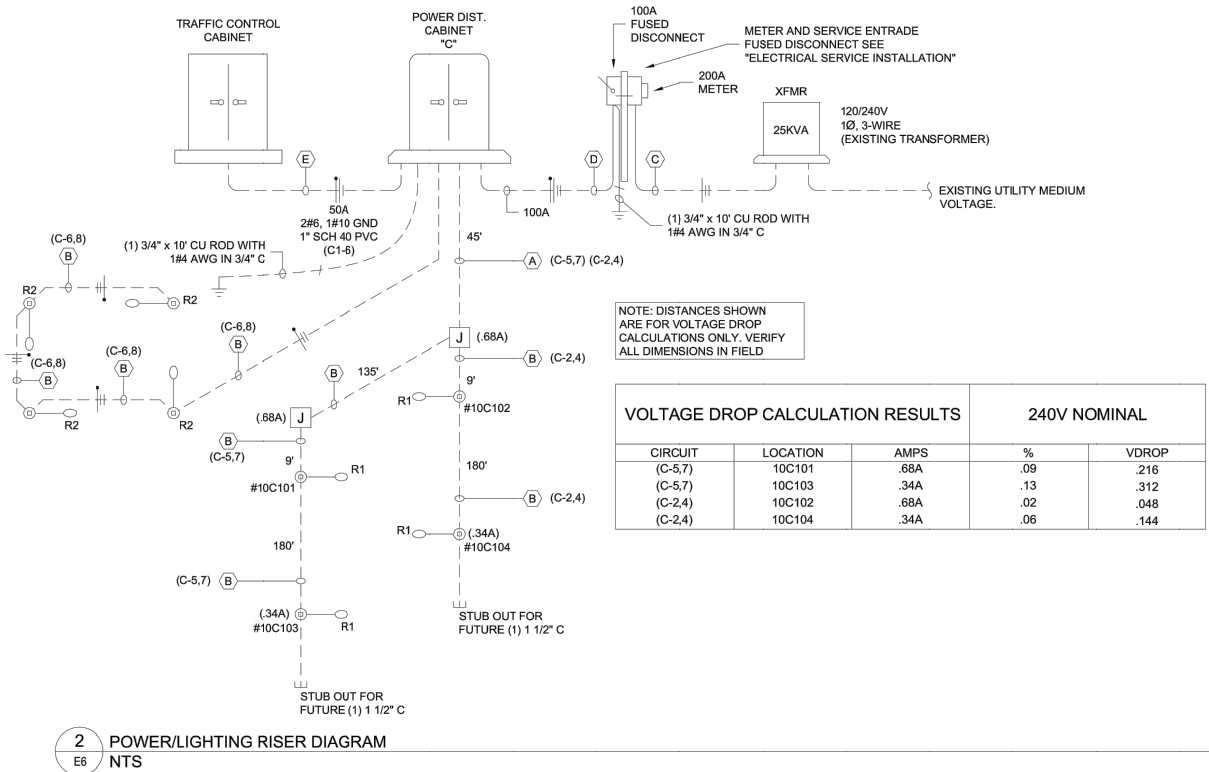
WATTS: BUS A: 380
 BUS B: 380
 TOTAL: 760
 POWER FACTOR: 1
 AMPS: 3.2

X = GFCI BREAKER
 0 = ARC FAULT
 + = SHUNT TRIP
 ◊ = HANDLE LOCK



CONDUCTOR/CABLE LEGEND (THIS SHEET ONLY)

- (A) 4#8, 1#8 GND 1 1/2" C
- (B) 2#6, 1#10 GND 1 1/2" C
- (C) 3#3 2" C
- (D) 3#3, 1#8 GND 2" C
- (E) 2#6, 1#10 GND 1 1/2" C



1 PEDESTAL C SERVICE.
 E6 NTS



DESIGNED EAA DATE - 10-13-23
 DRAWN SRH
 CHECKED RMB
 PROJECT #: 5111.02

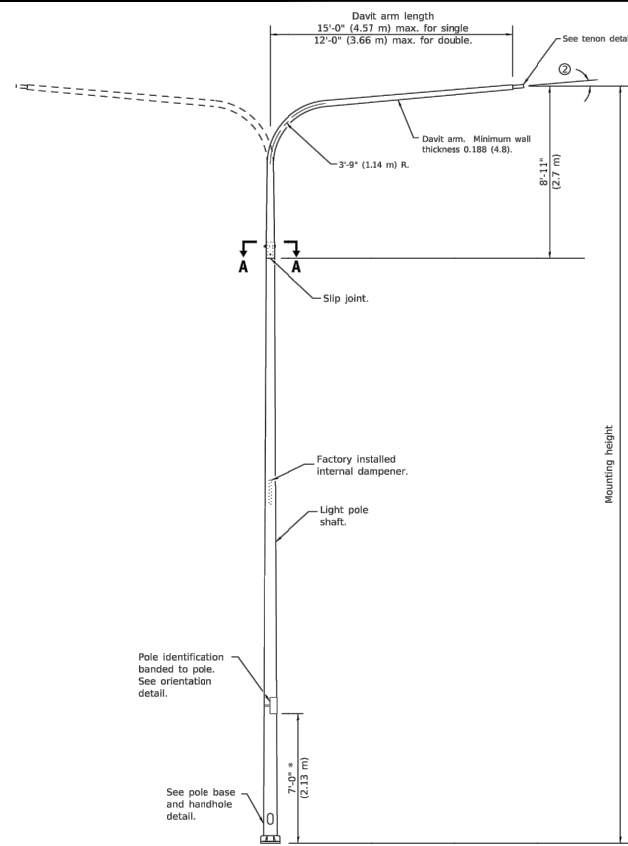
PIONEER PKWY & N UNIVERSITY ST RECONSTRUCTION



PIONEER PKWY & N UNIVERSITY ST LIGHTING PLANS (6 OF 7)

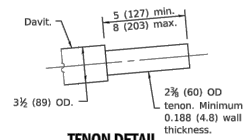
SHEET 105 OF 152

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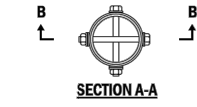


DAVIT LIGHT POLE
(Single or twin mount)
* Unless directed otherwise by the Engineer.

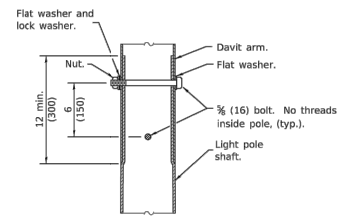
POLE BASE	
MOUNTING HEIGHT	BOLT CIRCLE DIAMETER
35' (10.7 m) or less	11 1/2 (290)
Greater than 35' (10.7 m) to 50' (15.2 m)	15 (380)



TENON DETAIL



SECTION A-A



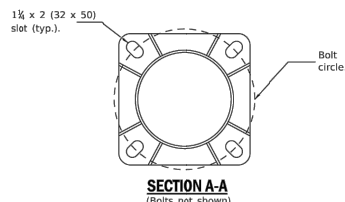
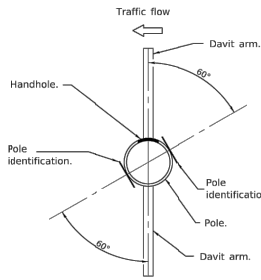
SECTION B-B

POLE LOWER SHAFT			
MOUNTING HEIGHT	LOWER SHAFT LENGTH	MINIMUM SHAFT DIAMETER	MINIMUM WALL THICKNESS
30' (9.1 m)	21'-1" (6.4 m)	8 tapered to 6 (200 to 114)	0.25 (6)
35' (10.7 m)	26'-1" (7.9 m)	8 tapered to 6 (200 to 114)	0.25 (6)
40' (12.2 m)	31'-1" (9.5 m)	10 tapered to 6 (250 to 150)	0.25 (6)
45' (13.7 m)	36'-1" (11.0 m)	10 tapered to 6 (250 to 150)	0.25 (6)
50' (15.2 m)	41'-1" (12.5 m)	10 tapered to 6 (250 to 150)	0.312 (8)

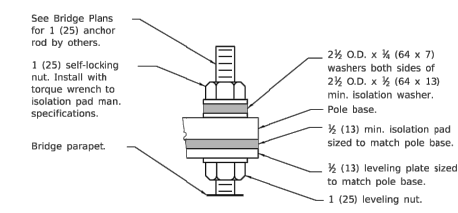
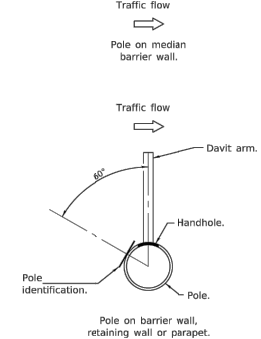
- ① Lower shaft length shall be from the bottom of the pole base to the bottom of the slip joint.
- ② 5" max. for unloaded pole, 1.5" max. for loaded pole.

GENERAL NOTES

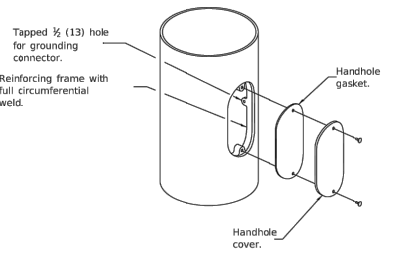
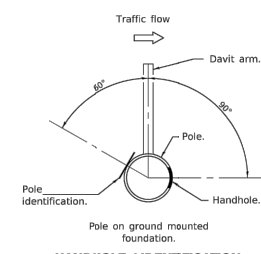
See Standard 836001 for Light Pole Foundation and grounding electrode.
See Standard 720001 for pole identification banding to pole.
Voids in light pole base shall be sealed to prevent rodent entry.
Provide breakaway devices where required.
Where anchor rods on existing bridge parapets are too short to mount poles as shown, install leveling plate directly on concrete and level with stainless steel washers.
All dimensions are in inches (millimeters) unless otherwise shown.



SECTION A-A
(Bolts not shown)

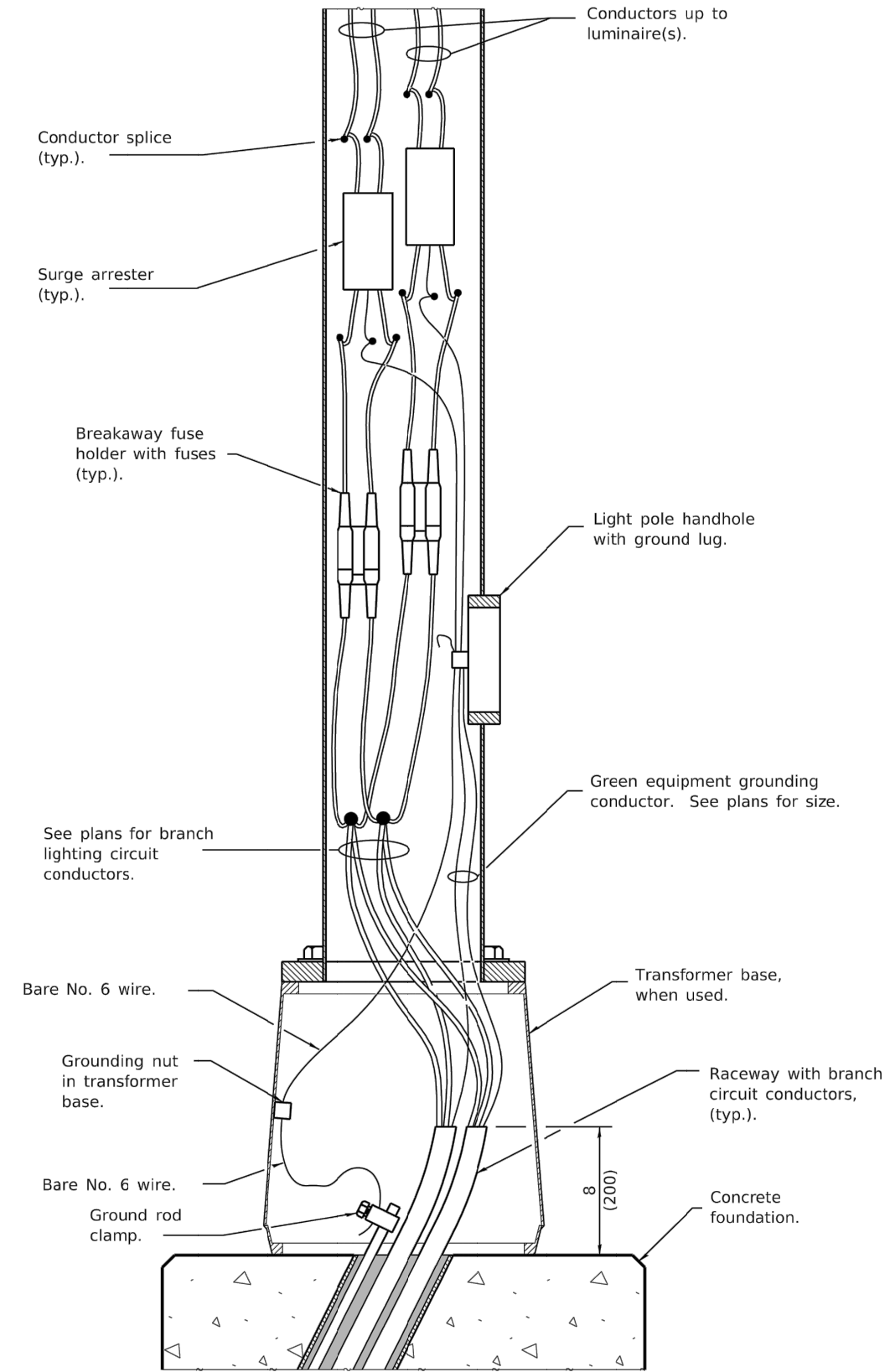


DETAIL A

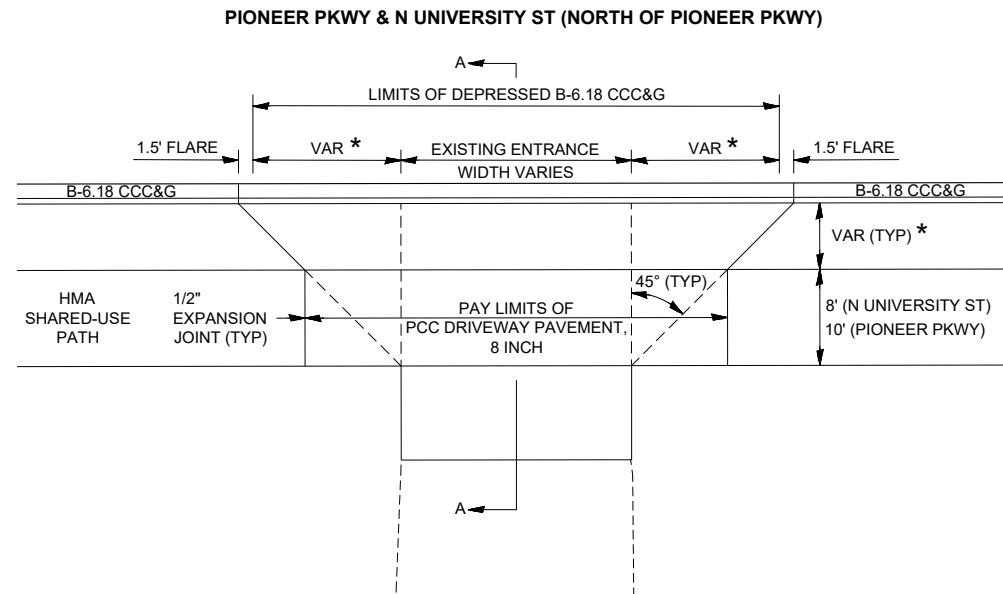


HANDHOLE DETAIL

HANDHOLE / IDENTIFICATION ORIENTATION DETAIL

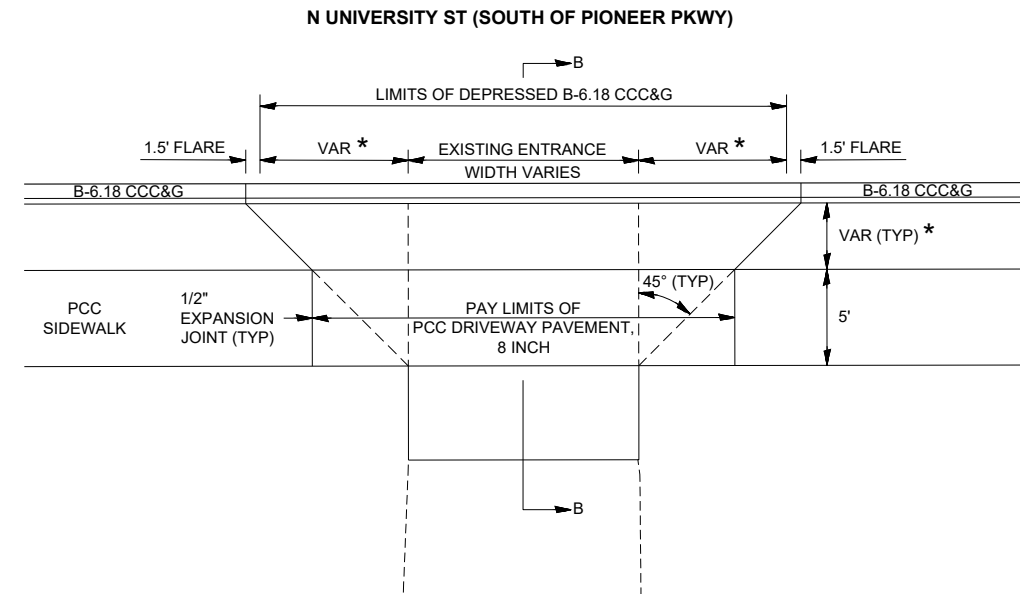


ELEVATION AT POLE BASE WITH CONCRETE FOUNDATION



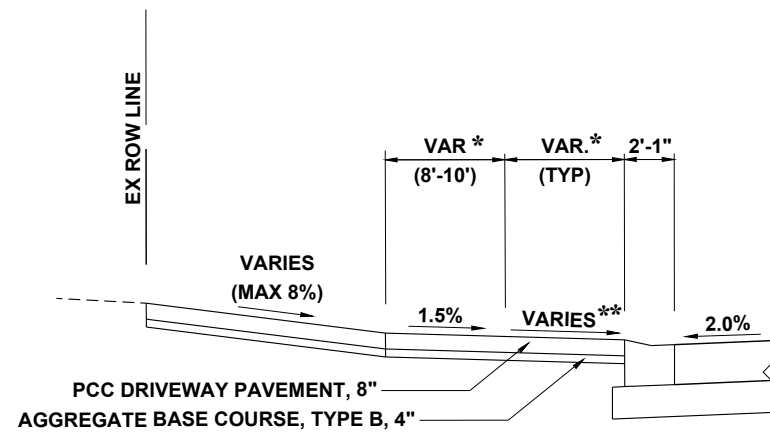
* VARIES (SEE PLAN & PROFILE)

ENTRANCE DETAIL WITHOUT CURB RETURNS (SHARED-USE PATH)



* VARIES (SEE PLAN & PROFILE)

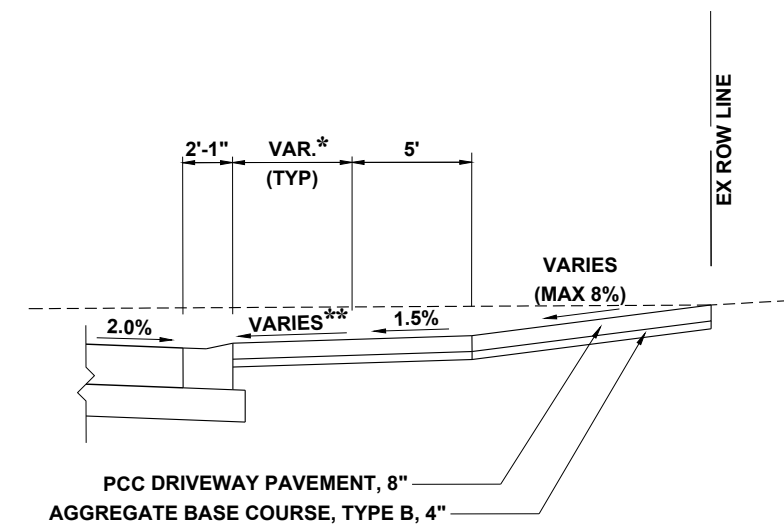
ENTRANCE DETAIL WITHOUT CURB RETURNS (SIDEWALK)



NOTES:

- * VARIES (SEE PLAN & PROFILE)
- ** TYP. APRON SLOPE 1.5% TOWARDS CURB OR AS SHOWN ON PLANS AND CROSS SECTIONS

ELEVATION VIEW A-A



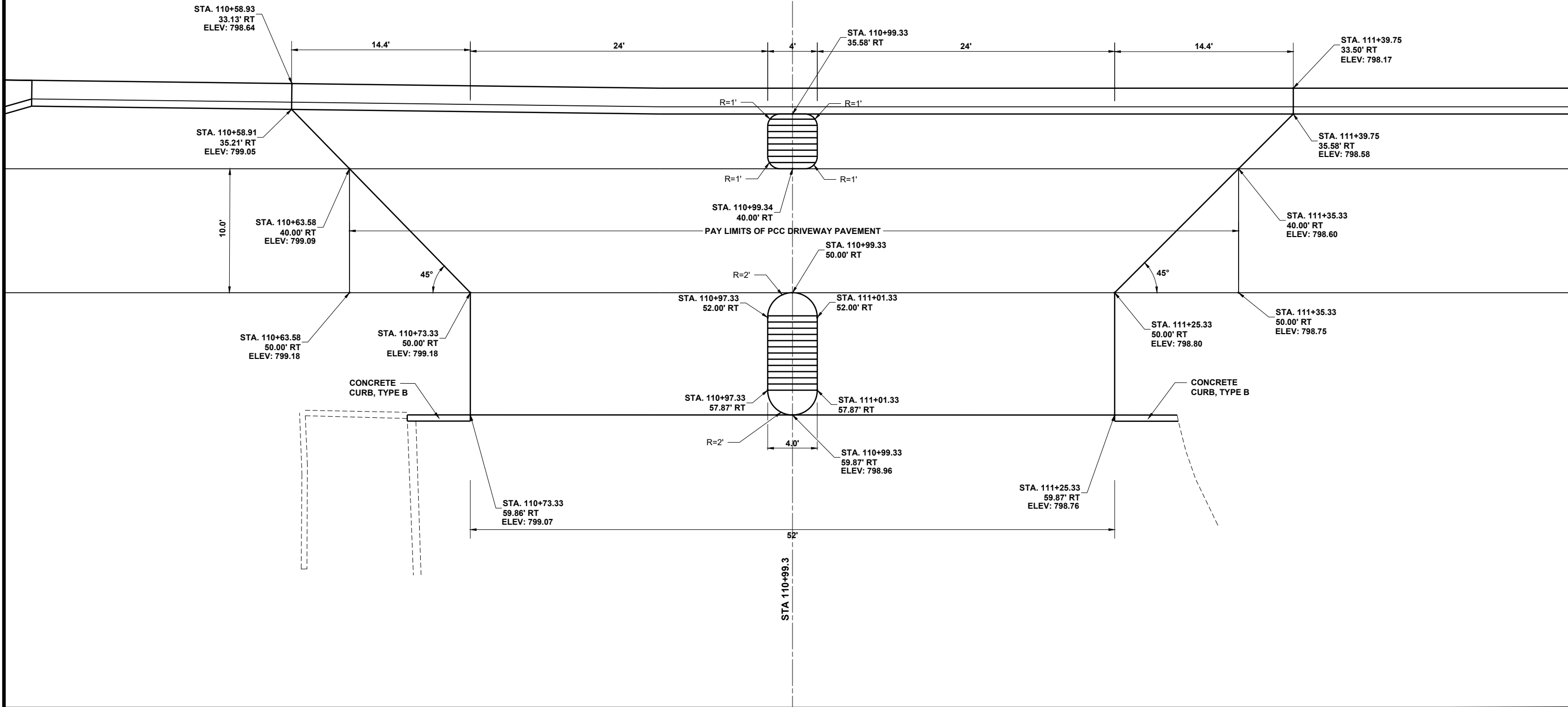
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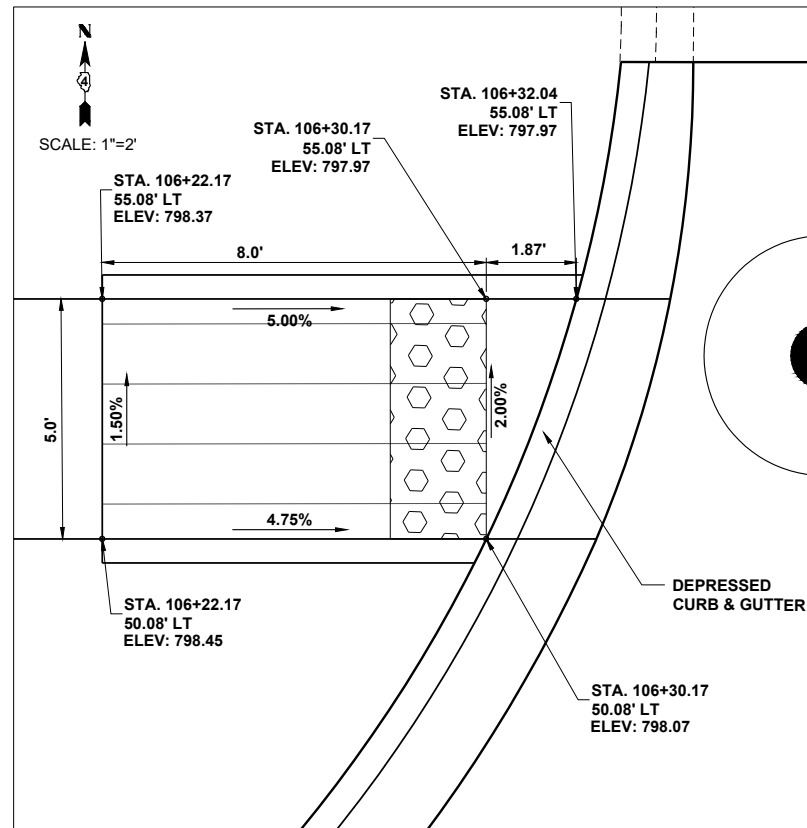
- * VARIES (SEE PLAN & PROFILE)
- ** TYP. APRON SLOPE 1.5% TOWARDS CURB OR AS SHOWN ON PLANS AND CROSS SECTIONS

ELEVATION VIEW B-B

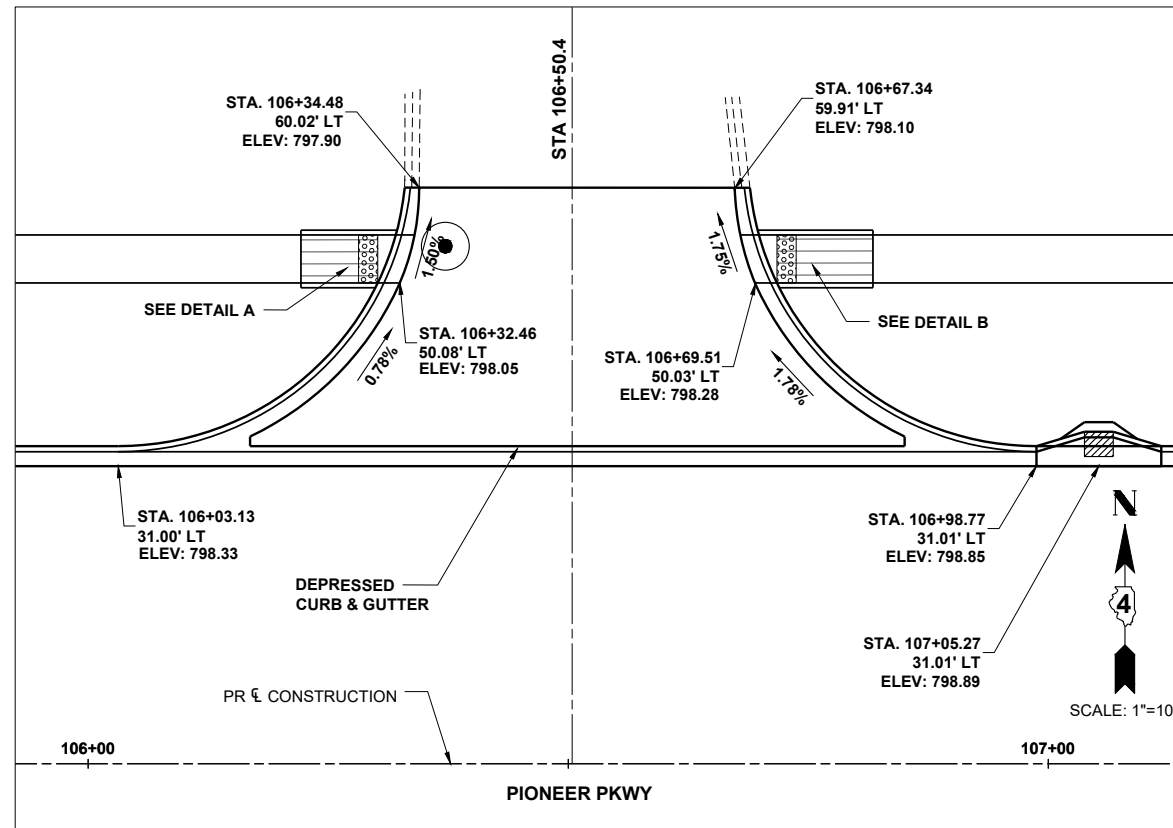


PIONEER PKWY

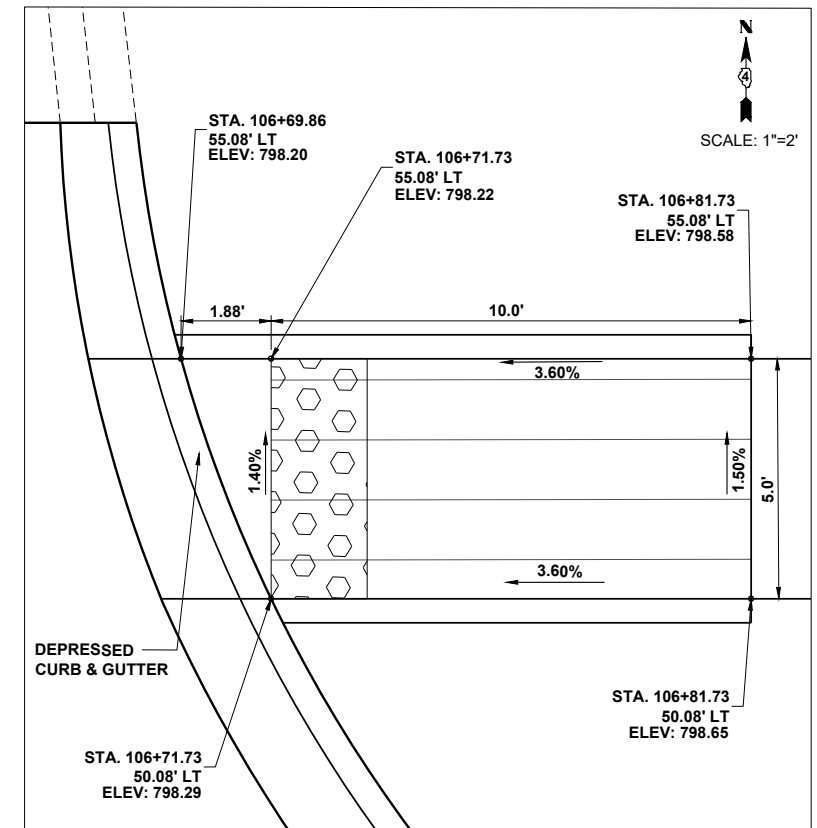




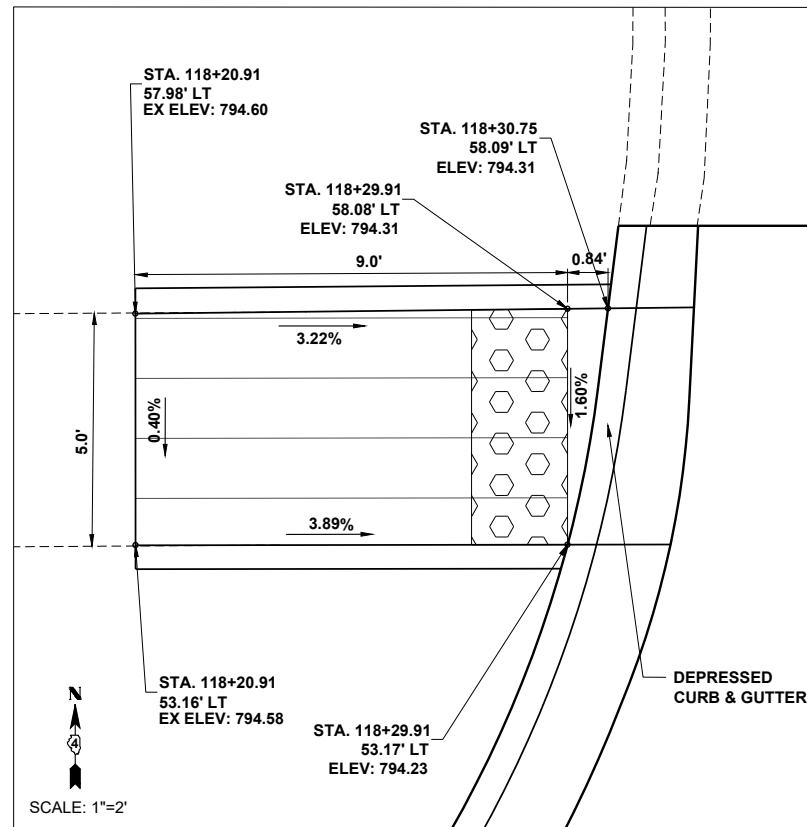
DETAIL A



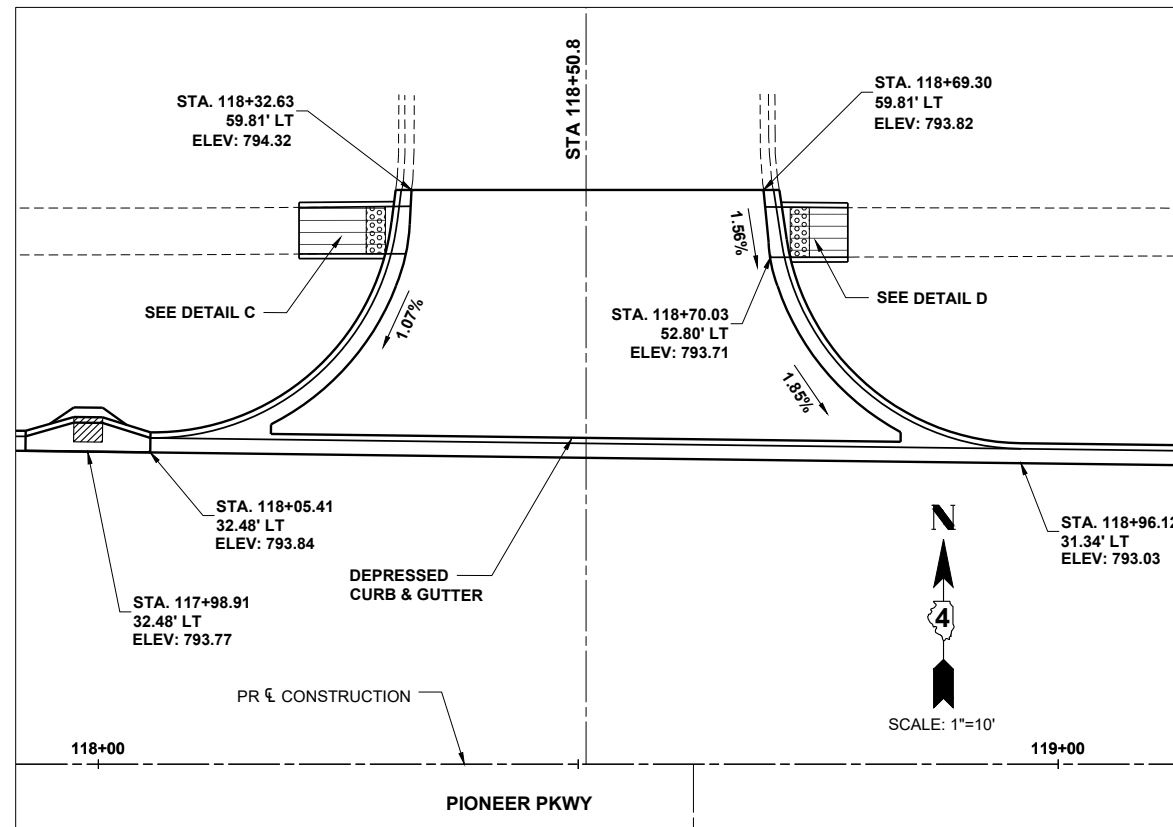
STA 106+50.4 - PIONEER PKWY



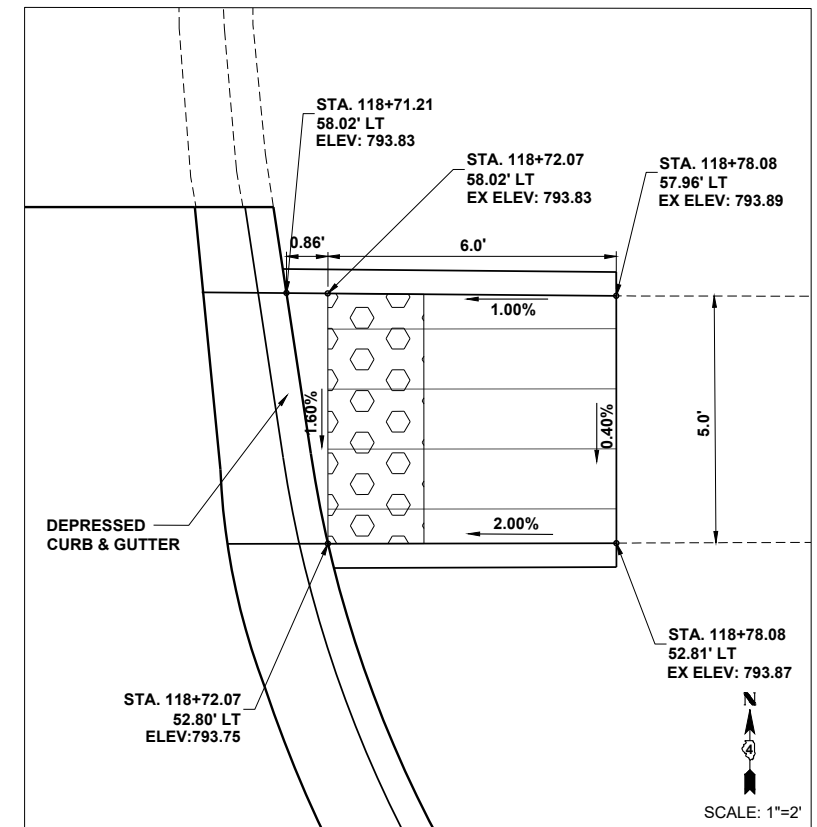
DETAIL B



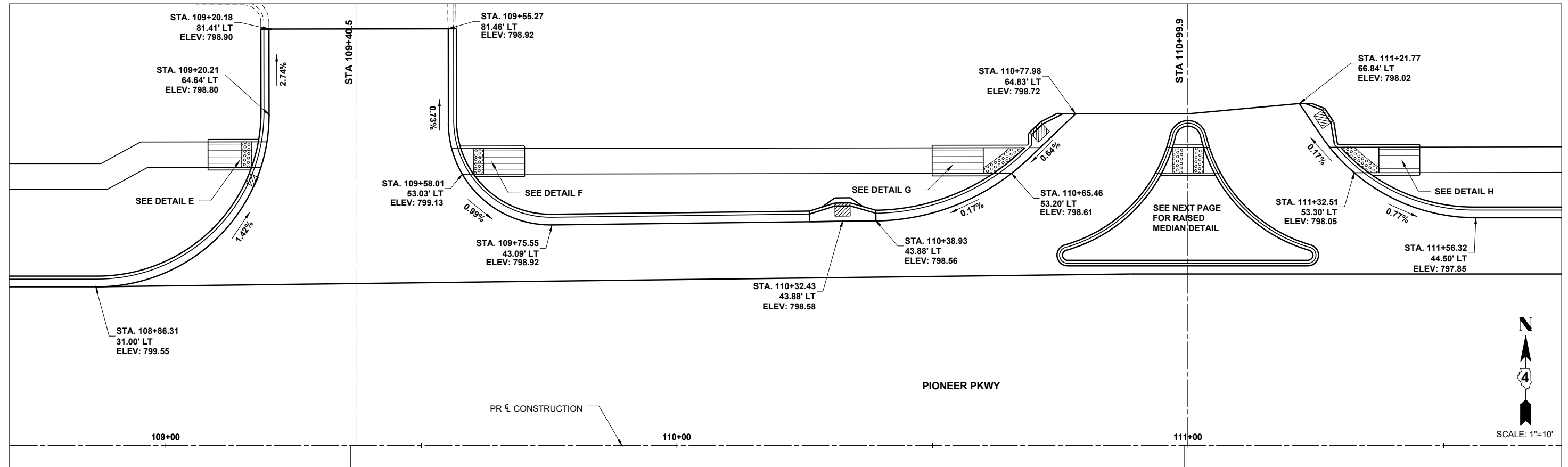
DETAIL C



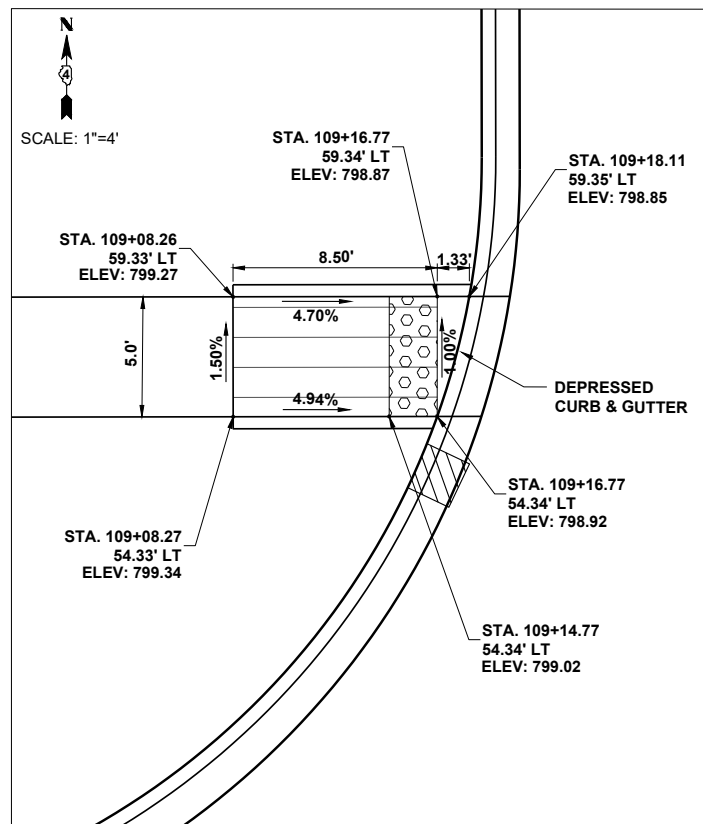
STA 118+50.8 - PIONEER PKWY



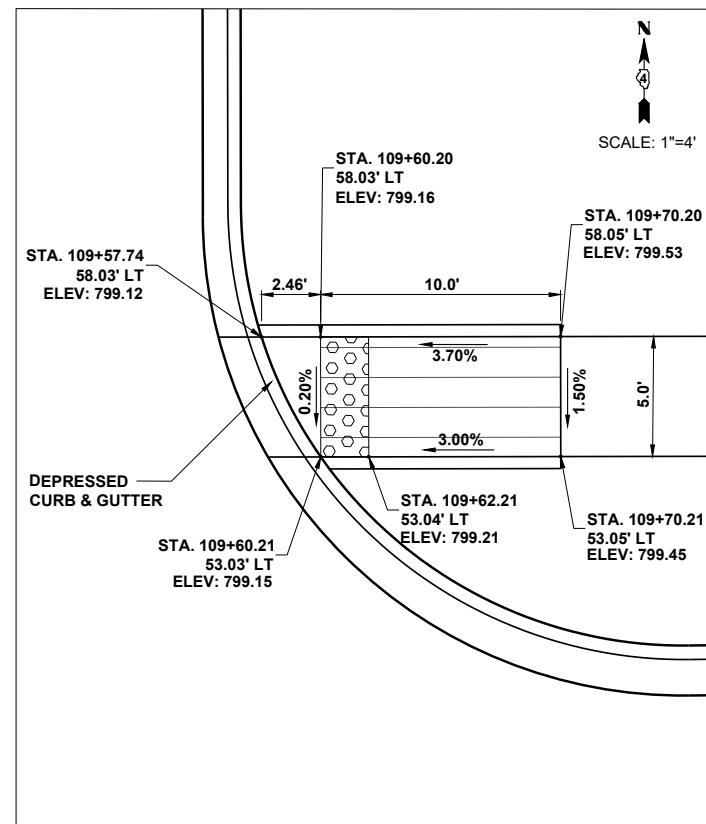
DETAIL D



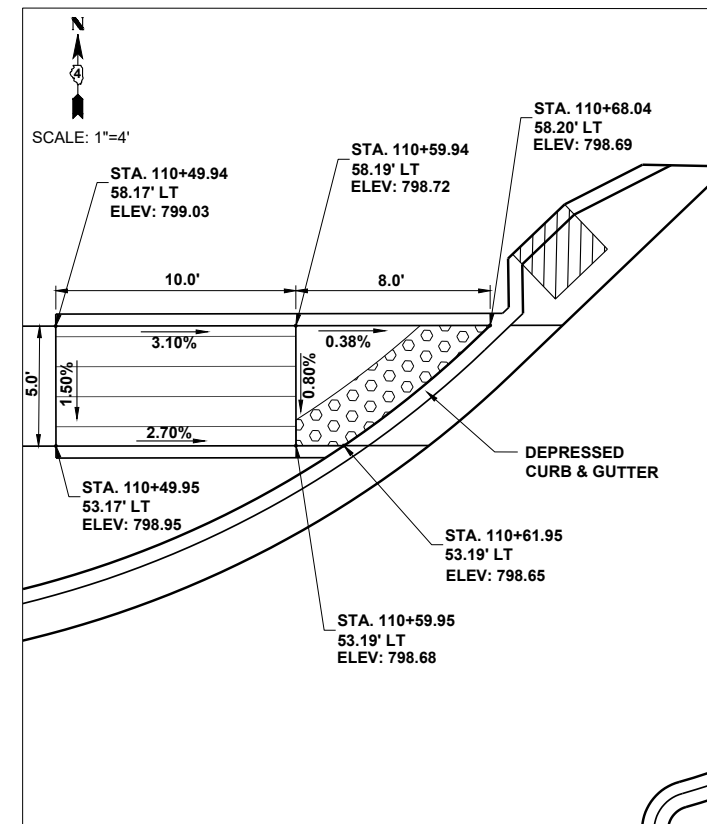
STA 109+40.5, STA 110+99.9 - PIONEER PKWY



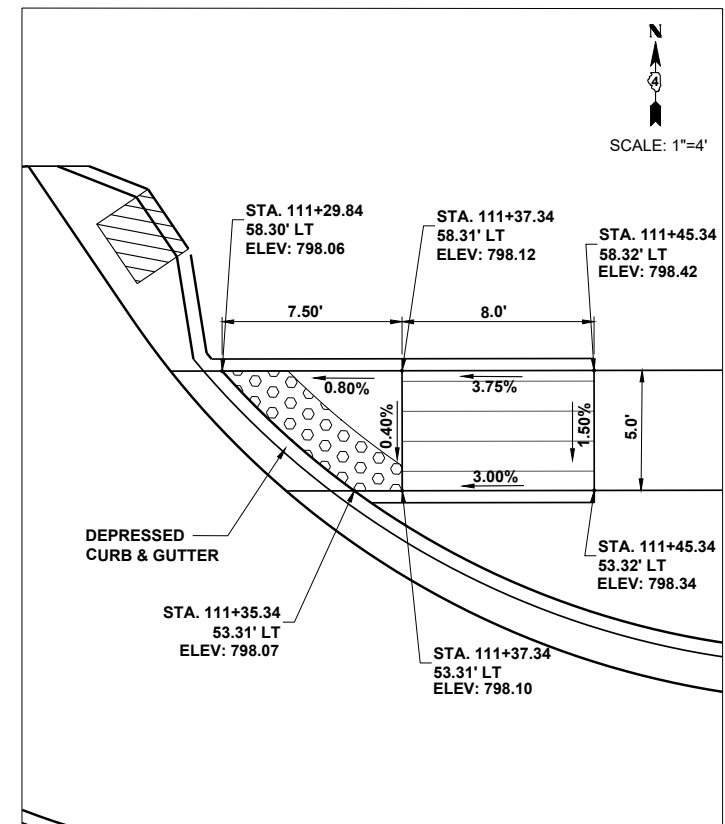
DETAIL E



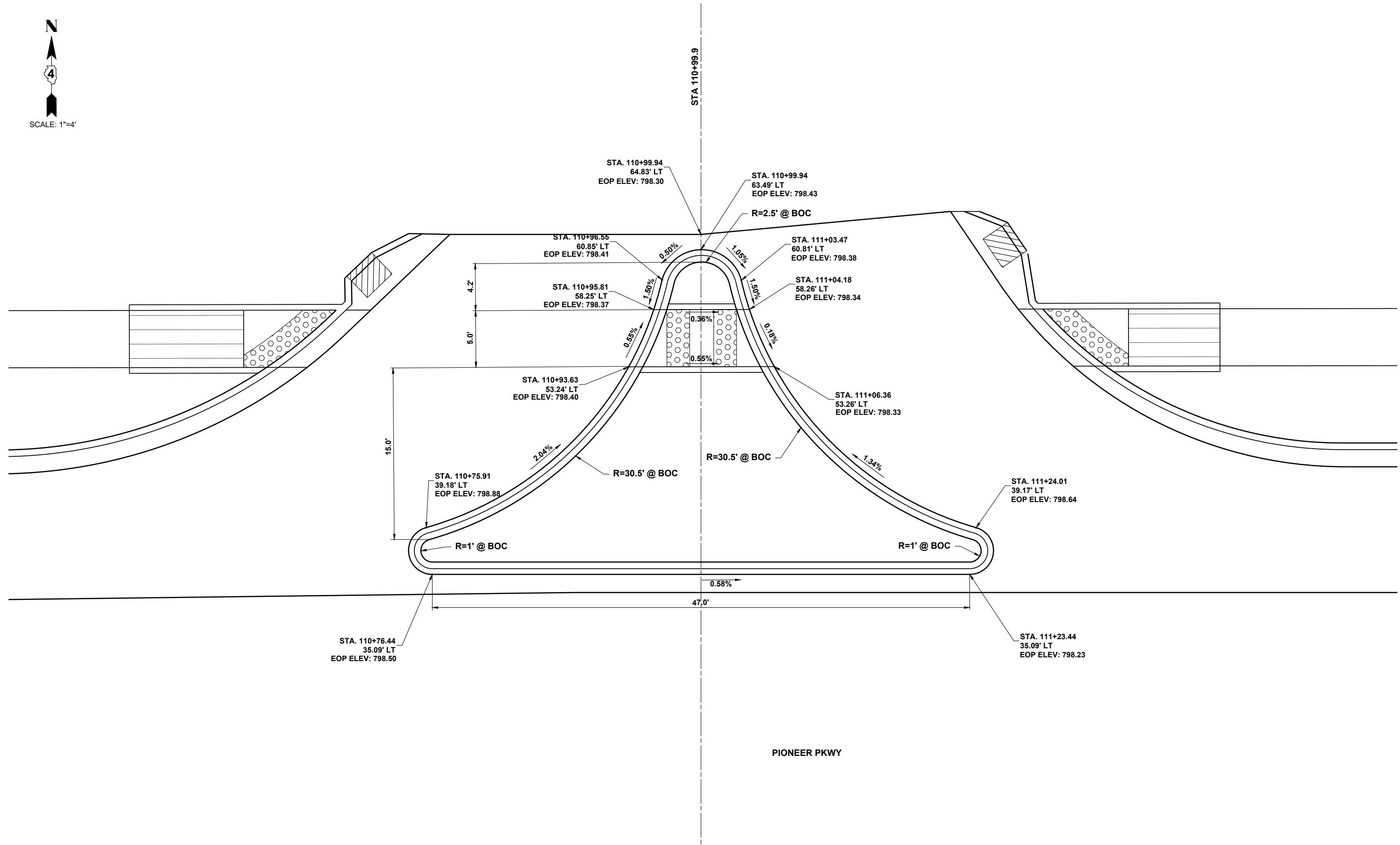
DETAIL F

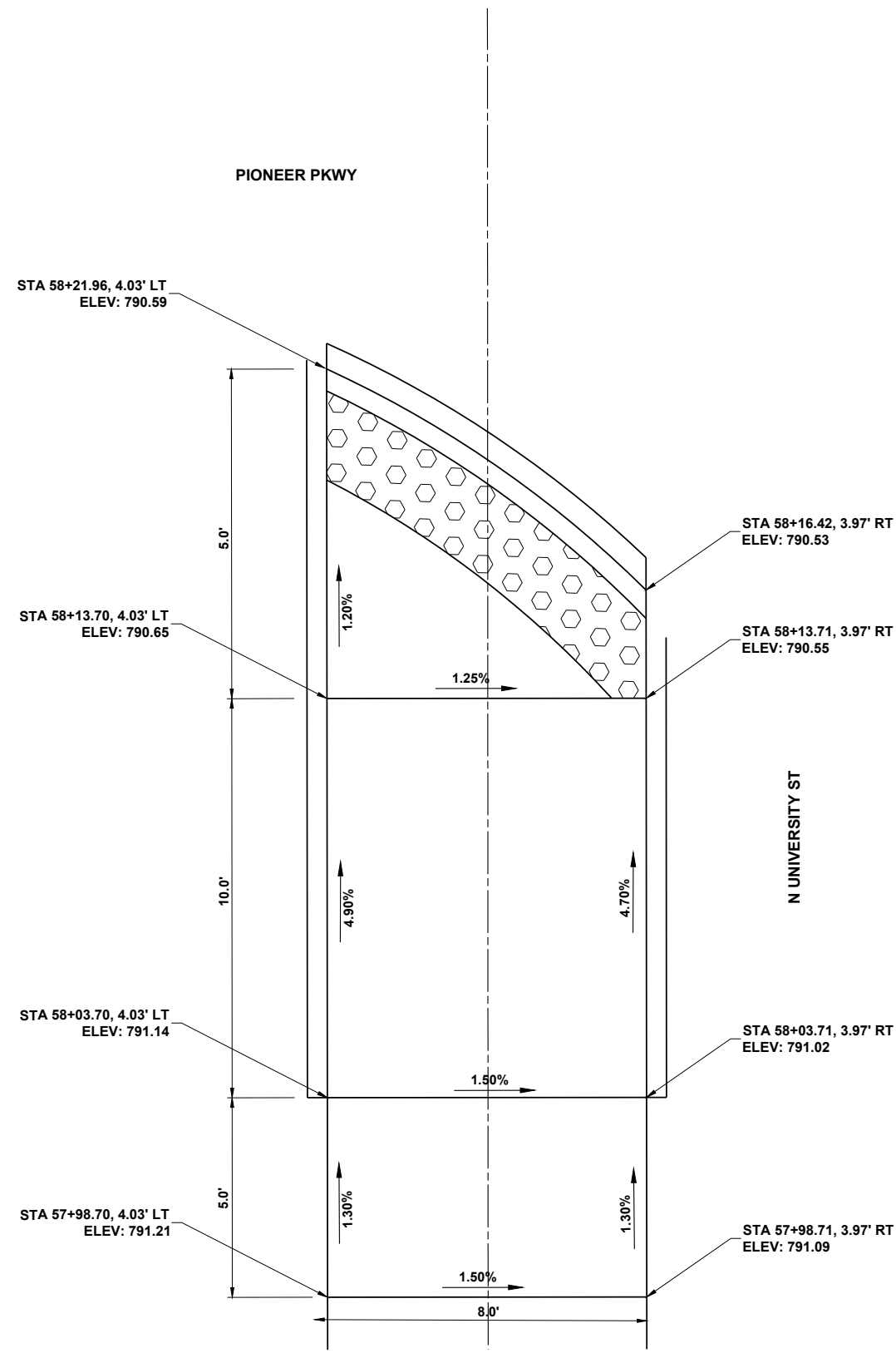
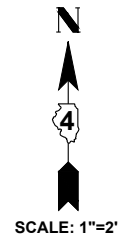


DETAIL G



DETAIL H





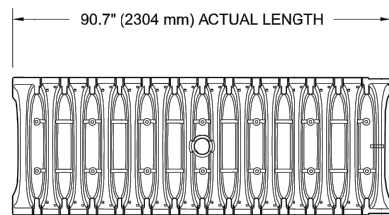
FILL MATERIALS

MATERIAL LOCATION		DESCRIPTION	IDOT MATERIAL SPECIFICATION	COMPACTION / DENSITY REQUIREMENT
C	TRENCH BACKFILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO THE BOTTOM OF TOPSOIL.	FINE AGGREGATE	SECTION 1003	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE CA-7 OR CA-11	SECTION 1004	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE CA-7 OR CA-11	SECTION 1004	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{1 2}

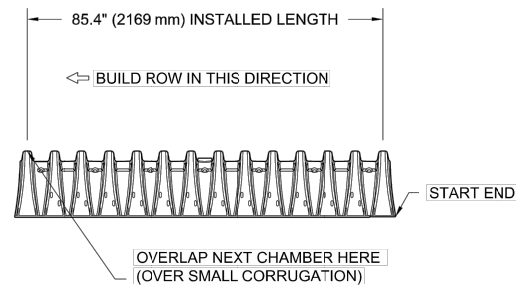
NOTES:

1. CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS", OR ASTM F2922 "STANDARD SPECIFICATION FOR POLYETHYLENE (PE) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
4. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
5. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
6. MOST SOILS CAN BE USED TO MEET THE MATERIAL REQUIREMENTS OF LAYER 'C' AT THE ENGINEER'S DISCRETION.
7. PERIMETER STONE SHALL BE EXTENDED 12" BEYOND BOTH ENDS OF THE CHAMBER.
8. ALL CHAMBER RUNS WILL REQUIRE THREE INSPECTION PORTS LOCATED AT THE END, MIDDLE AND BEGINNING OF THE RUN.

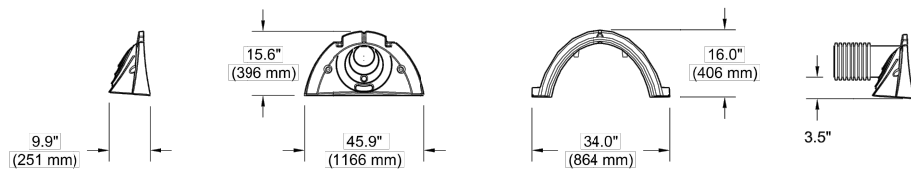
ELEVATION CHART							
LOCATION				1	2	3	4
STA	TO	STA	SIDE				
101+85.0	TO	102+85.0	RT	792.16	791.49	789.83	792.16
104+56.1	TO	105+55.1	RT	793.85	793.18	791.52	793.85
105+94.2	TO	106+93.2	RT	795.14	794.47	792.81	795.14
114+81.2	TO	115+60.2	RT	792.48	791.81	790.15	792.48
117+20.2	TO	117+99.2	RT	789.8	789.13	787.47	789.8



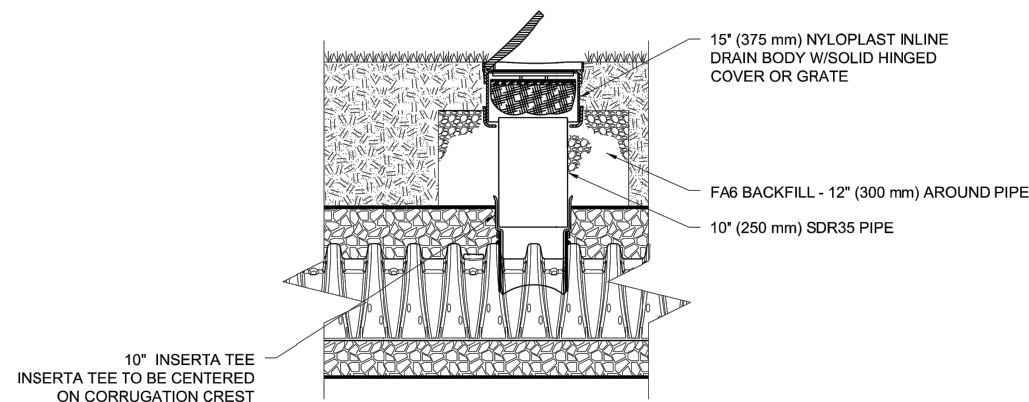
STORAGE CHAMBER PLAN VIEW



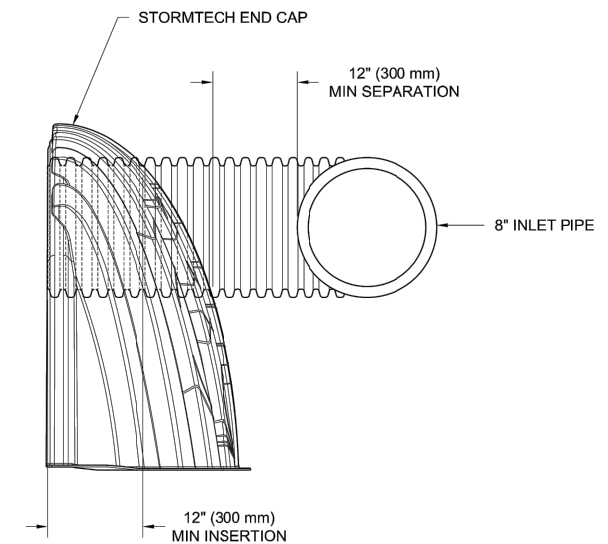
STORAGE CHAMBER SIDE VIEW



STORAGE CHAMBER SECTION VIEWS



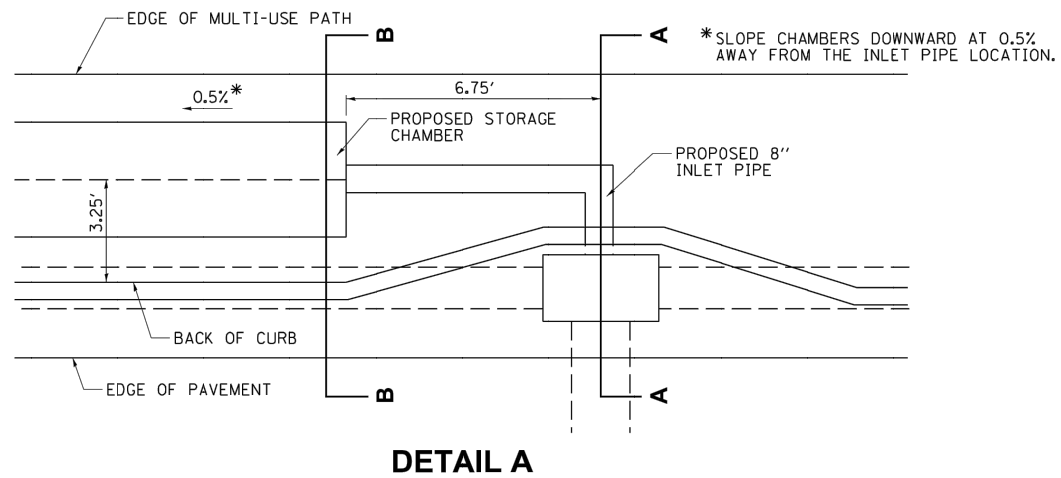
10" INSPECTION PORT DETAIL



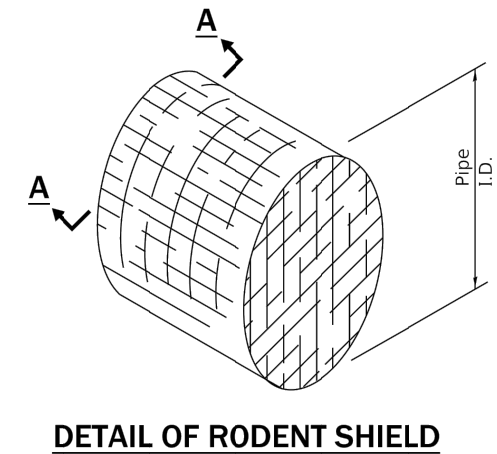
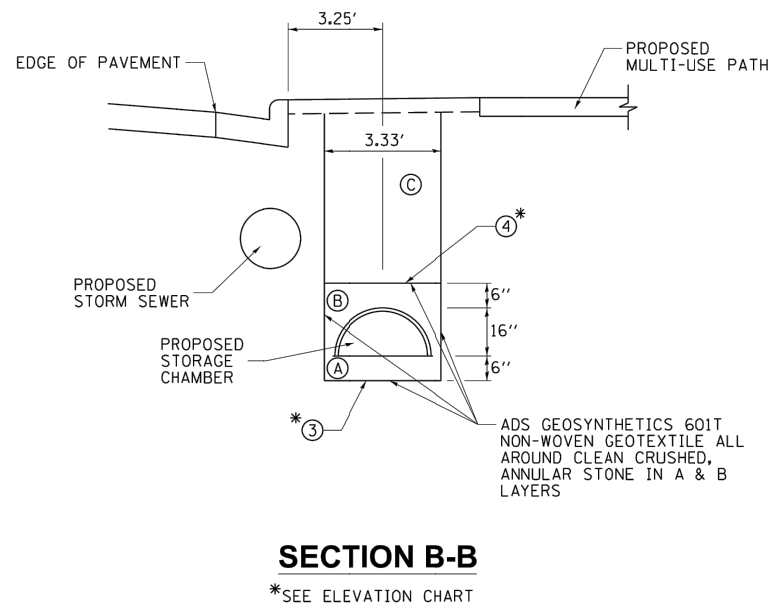
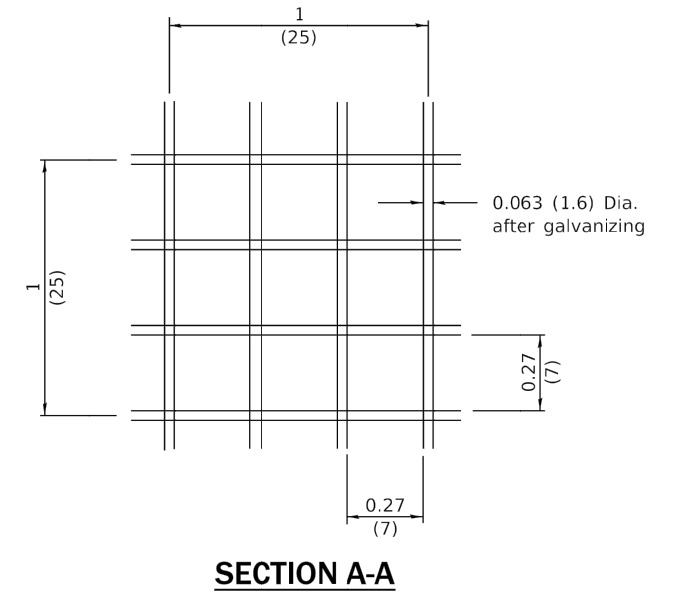
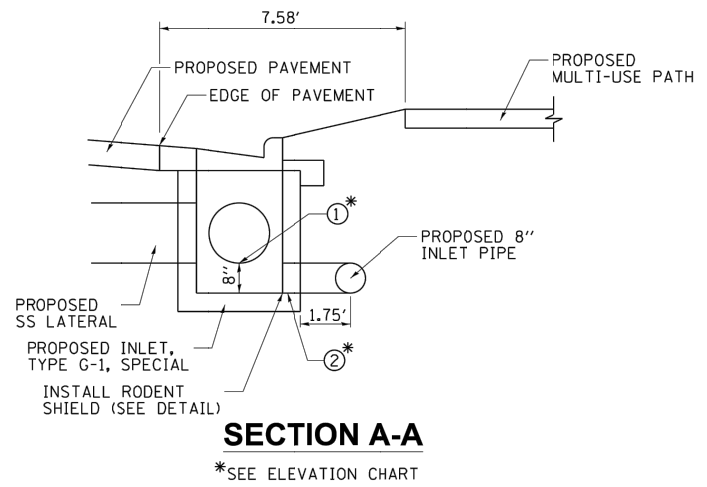
NOTE: INLET PIPE MUST BE LAID HORIZONTAL FOR A PROPER FIT IN END CAP OPENING.

END CAP INSERTION DETAIL

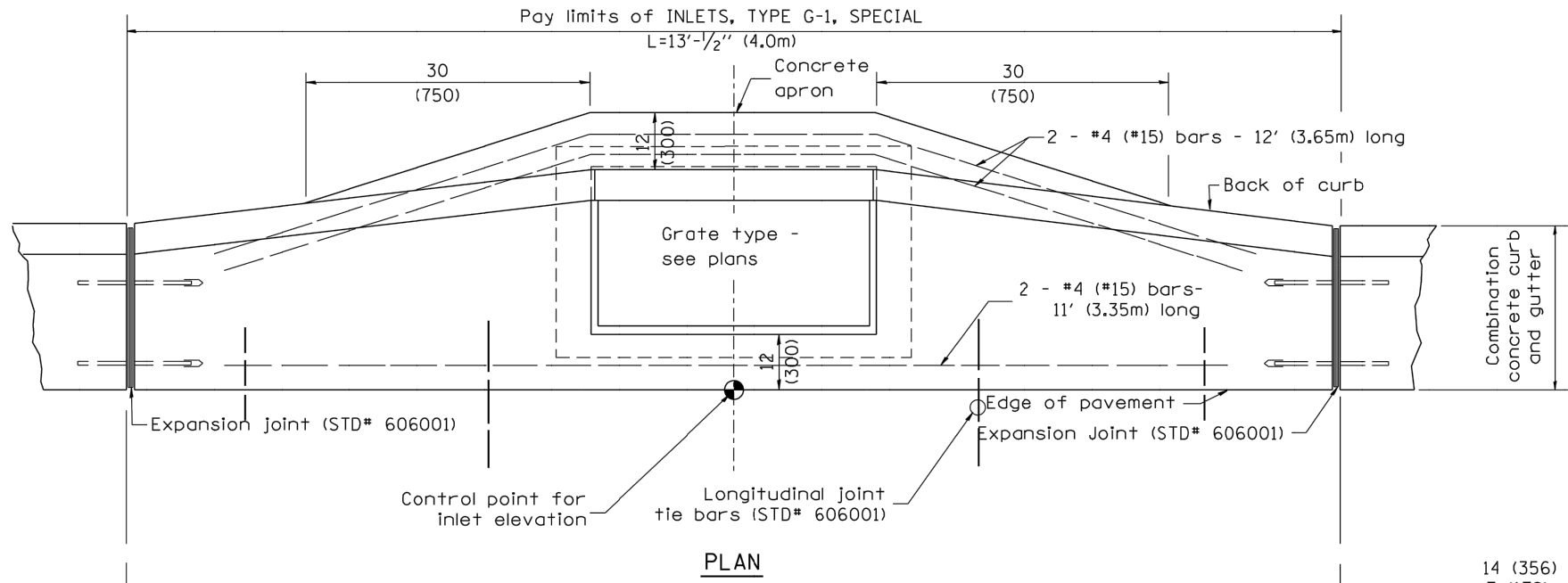
V:\5111.02 - Pioneer Pkwy-University St. Reconstruction - PH II (Peoria)\CADD\CADD Sheets\5111.02-sht-details-sw storage chamber.dwg



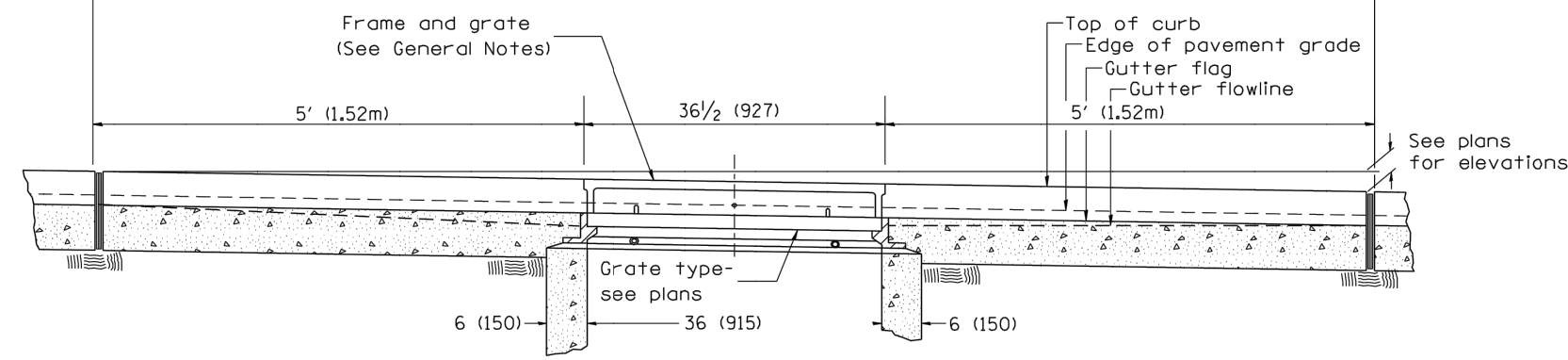
*SLOPE CHAMBERS DOWNWARD AT 0.5% AWAY FROM THE INLET PIPE LOCATION.



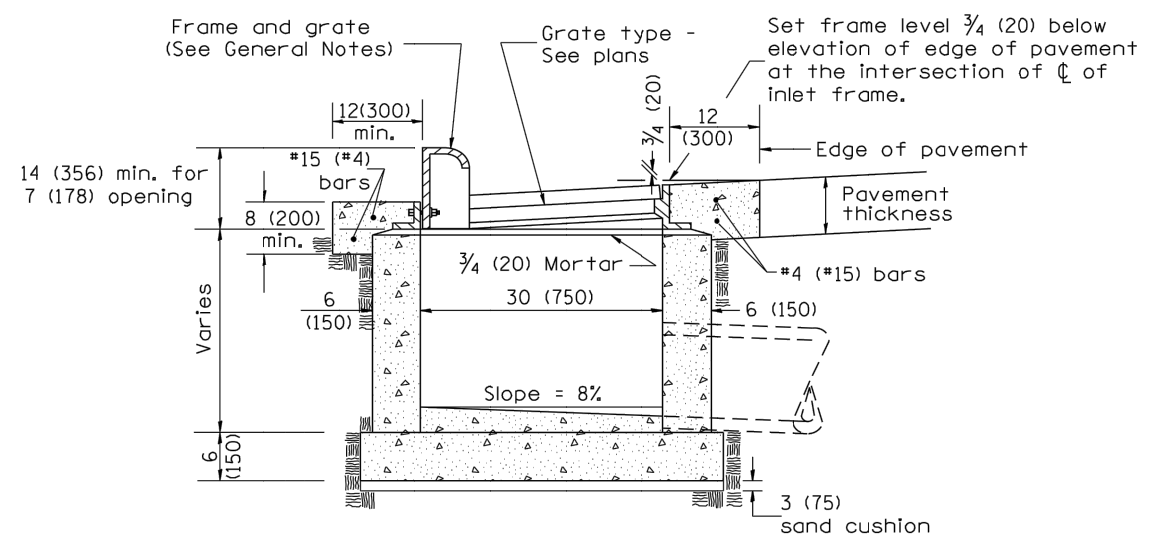
DESIGNER NOTES: 1. Include State Standard 606001 for combination concrete curb and gutter details.
 2. Include State Standard 420001 for pavement joints.
 3. Include District CADD Standard for frame and grates.
 4. Include District Special Provision. Pay item includes transitional c.c.c. & g., inlet and frame and grate. All work within pay limits.
 5. Specify grate type in plans



PLAN



ELEVATION (FRONT)



ELEVATION (SIDE)

GENERAL NOTES

1. Inlet construction shall be in accordance with Section 602 of the Standard Specifications.
2. Combination Concrete Curb and Gutter shall be constructed in accordance with Section 606 of the Standard Specifications.
3. See District CADD Standard 604001-D4 for frame and grates.

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

01-01-97	RENUM. B-4.02, NEW REVISION BOX					STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INLETS, TYPE G-1, SPECIAL	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12-01-98	CORRECT E.O.P. NOTE	J.A.			6643			20-00387-00-PV	PEORIA	152	115	
10-99	REVISION TO GENERAL NOTES	J.A.			CONTRACT NO.							
10-16-06	REVISED TO 2007 SPEC.	M.A.			CONTRACT NO.							

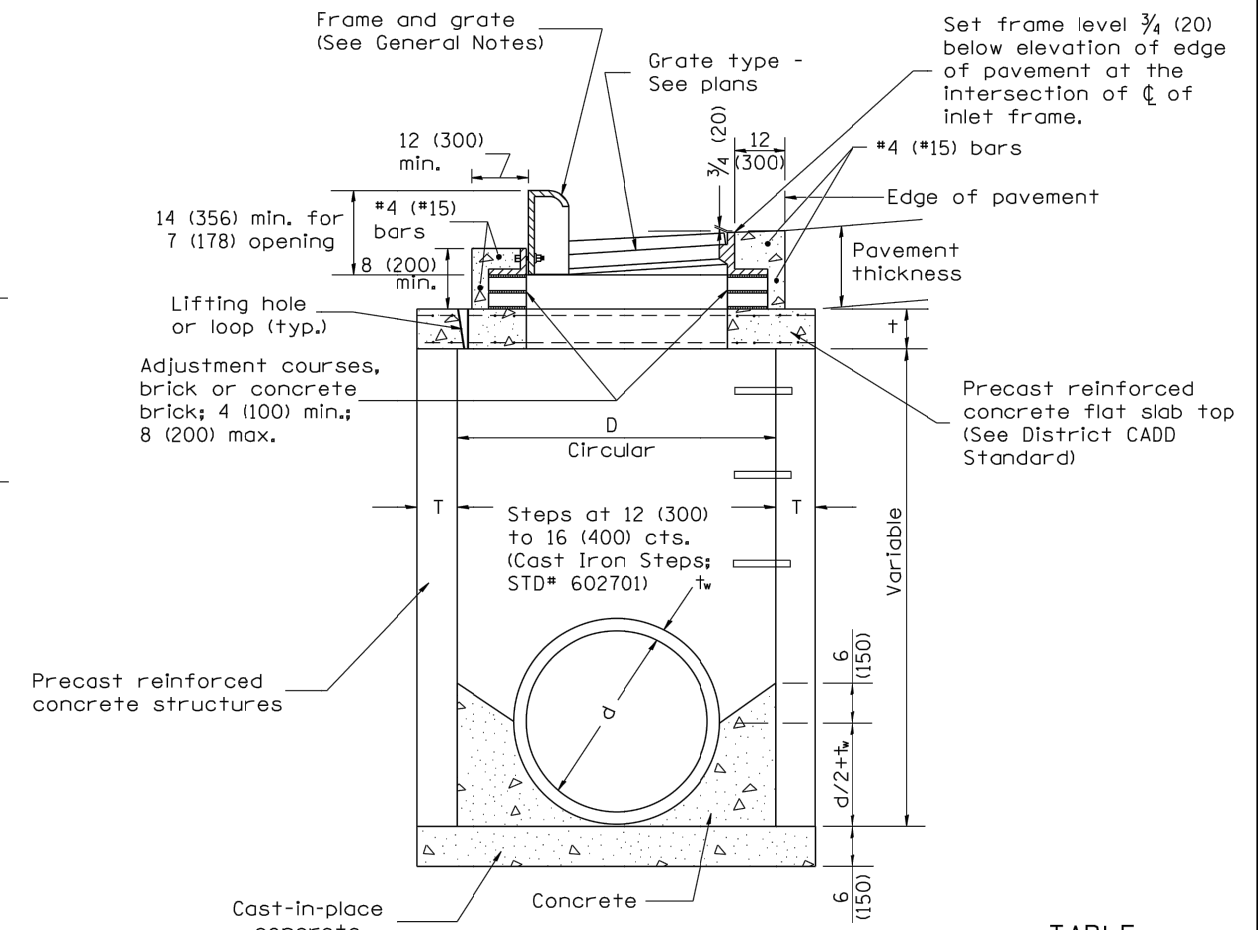
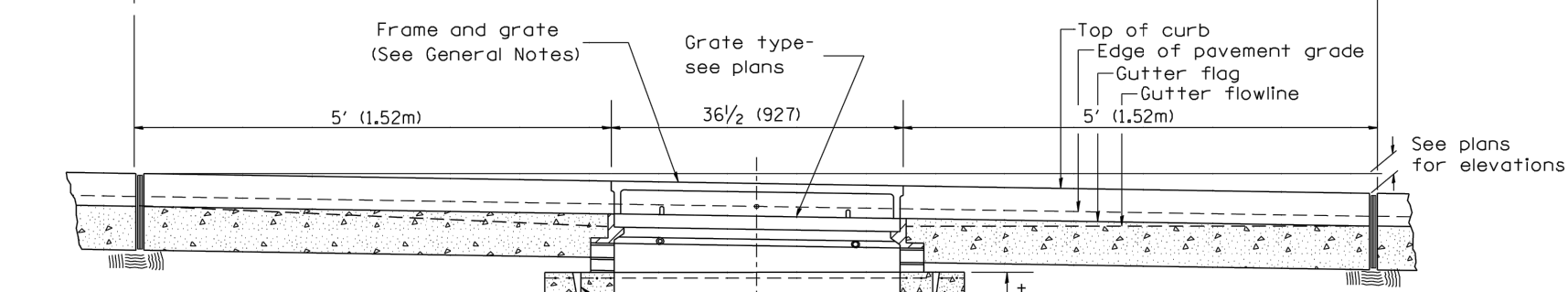
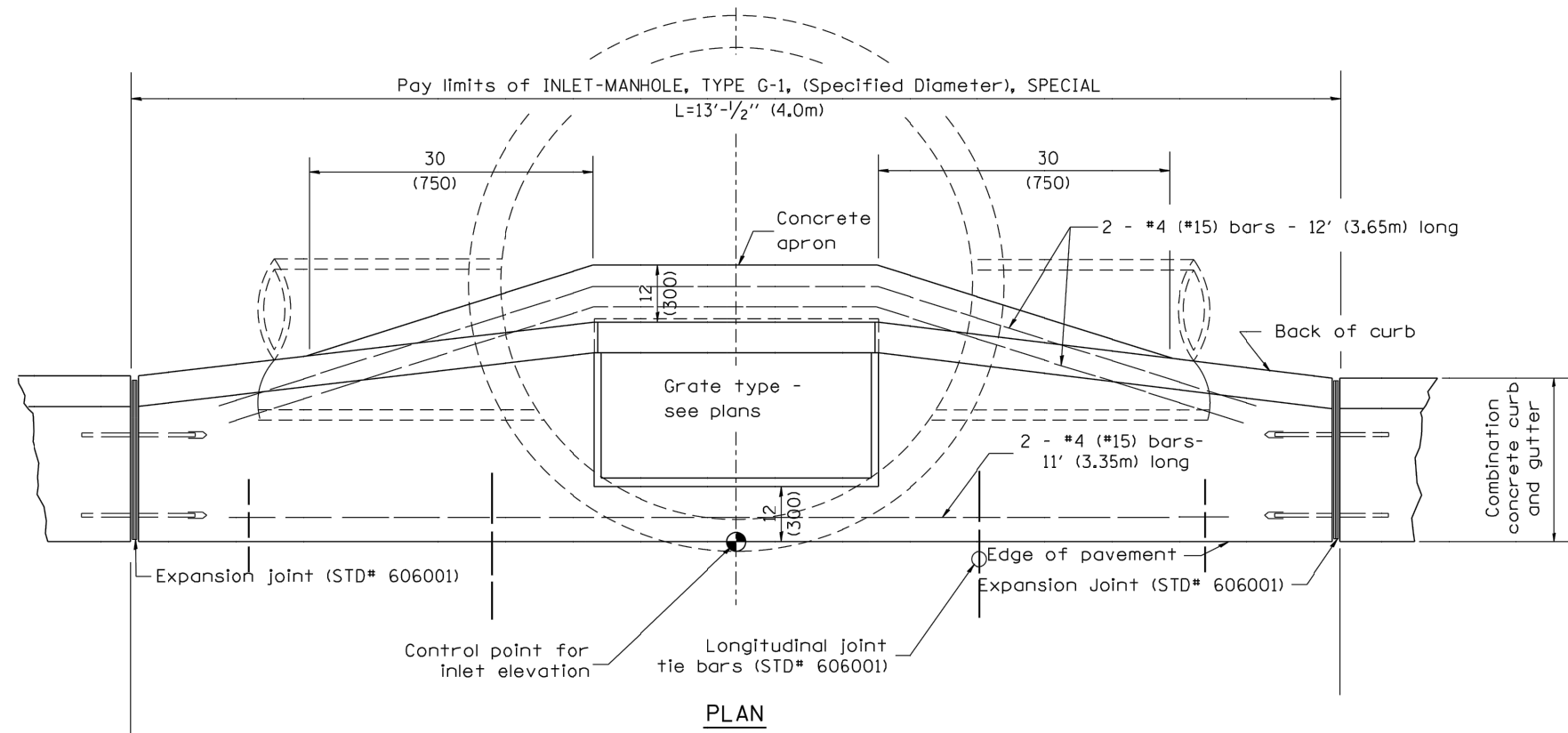
NOT TO SCALE

CADD STD. 602006-D4

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

DESIGNER NOTES:

1. Include State STD# 606001 for combination concrete curb and gutter details.
2. Include State STD# 420001 for pavement joints.
3. Include State STD# 602701 for cast iron steps.
4. Include District CADD Standard for frame and grates.
5. Include District CADD Standard for precast reinforced concrete flat slab top.
6. Include District Special Provision. Pay item includes inlet - manhole, flat slab top, transitional c.c.c.&g. and frame and grate. All work within pay limits.
7. Specify diameter of inlet - manhole in plans.
8. Specify grate type in plans.



TABLE

D	T	t
4' (1.2m)	5 (125)	6 (150)
5' (1.5m)	6 (150)	8 (200)
6' (1.8m)	7 3/4 (195)	8 (200)
8' (2.4m)	9 (225)	10 (250)

GENERAL NOTES

1. Inlet-manhole construction shall be in accordance with Section 602 of the Standard Specifications.
2. Combination concrete curb and gutter shall be constructed in accordance with Section 606 of the Standard Specifications.
3. See District CADD Standard 604001-D4 for frame and grates.
4. See District CADD Standard for precast reinforced concrete flat slab top.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

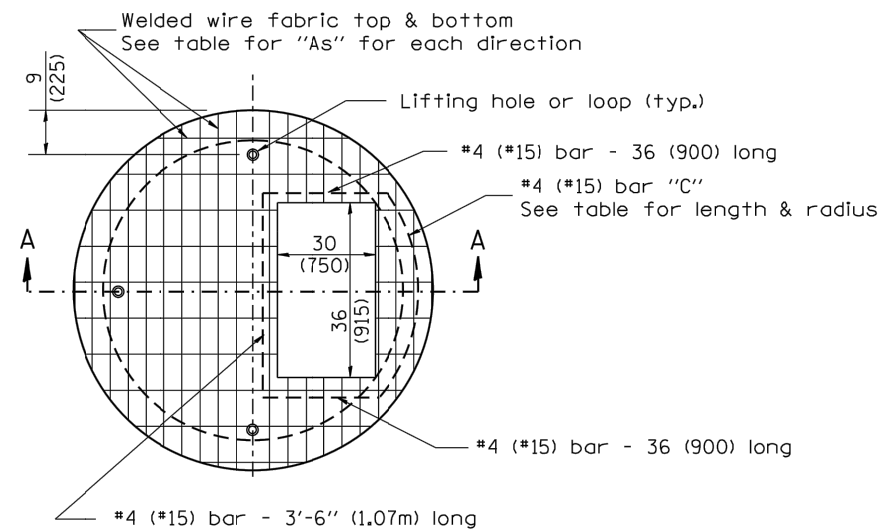
INLET-MANHOLE, TYPE G-1, SPECIAL

NOT TO SCALE

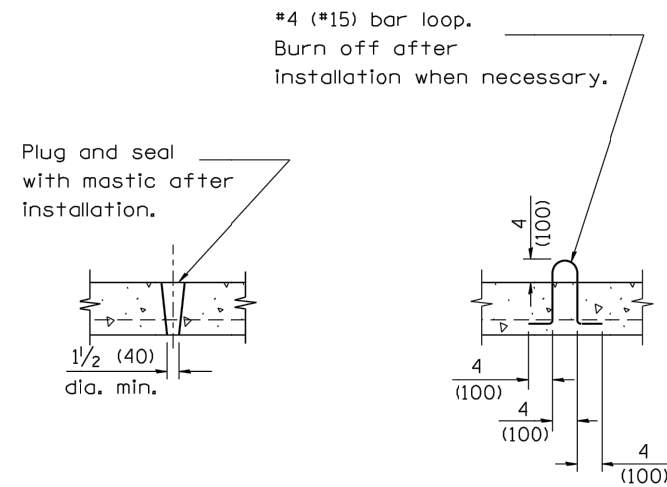
CADD STD. 602026-D4

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

DATE	REVISION	BY	CHECKED	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
01-01-97	RENUM. B-4.06, NEW REVISION BOX	T.P.		6643	20-00387-00-PV	152	116
12-01-98	CORRECT E.O.P. NOTE	J.A.		CONTRACT NO.			
10-99	REVISION TO GENERAL NOTES	J.A.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			
10-16-06	REVISED TO 2007 SPEC.	M.A.					



PLAN

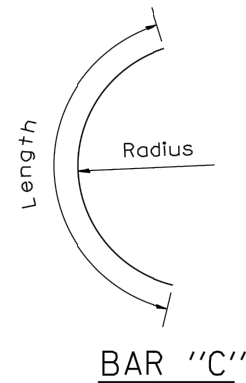


LIFTING HOLE OR LIFTING LOOP
TYPICAL

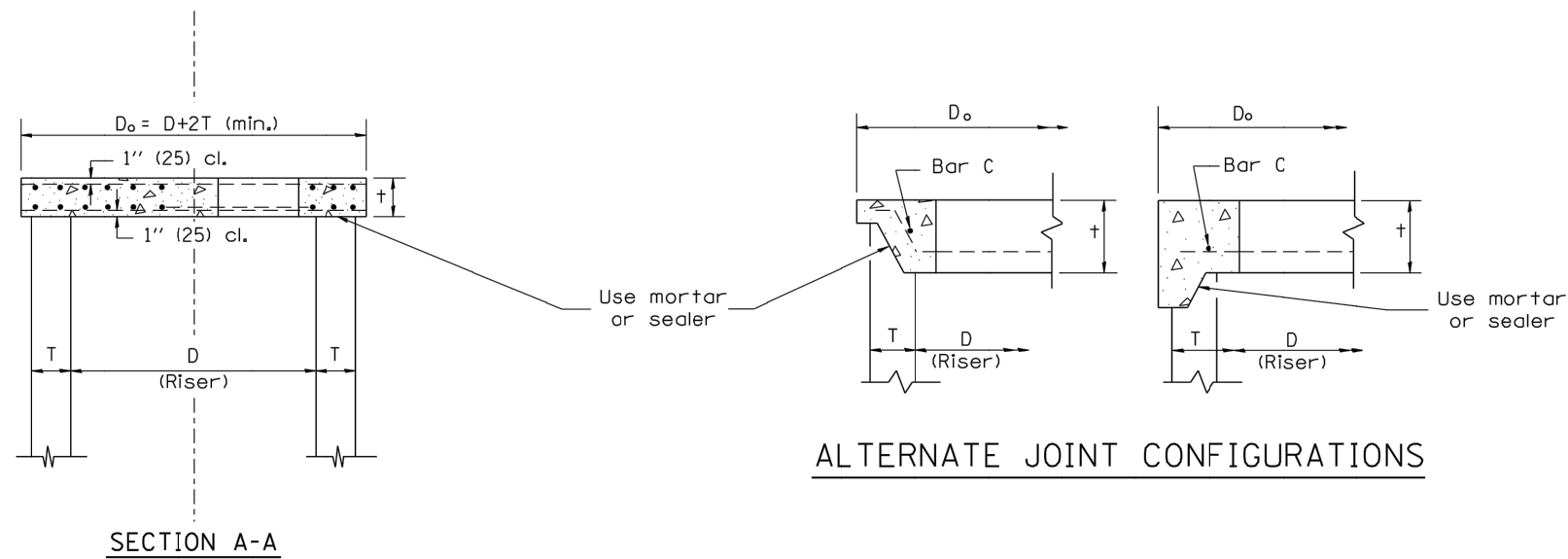
(3 required per slab)

TABLE

D	T	D _o (min.)	t	Reinforcement "A's" W.W.F. each direction	Bar size	No. 15 (No. 4) Bar C	
						Length	Radius
4' (1.2m)	5 (125)	4'-10" (1.5m)	6 (150)	0.70 sq. inch/lin. ft. (1480mm ² /m)	No. 15 (No. 5)	1.35m (4'-6")	660 (26)
5' (1.5m)	6 (150)	6'-0" (1.8m)	8 (200)	0.70 sq. inch/lin. ft. (1480mm ² /m)	No. 15 (No. 5)	1.5m (5'-0")	810 (32)
6' (1.8m)	7 3/4 (195)	7'-3 1/2" (2.2m)	8 (200)	0.88 sq. inch/lin. ft. (1860mm ² /m)	No. 20 (No. 6)	1.8m (6'-0")	965 (38)
8' (2.4m)	9 (225)	9'-6" (2.9m)	10 (250)	0.88 sq. inch/lin. ft. (1860mm ² /m)	No. 20 (No. 6)	2.3m (7'-6")	1.27m (4'-2")



BAR "C"



ALTERNATE JOINT CONFIGURATIONS

GENERAL NOTES

1. The precast reinforced concrete flat slab top shall be used with INLET-MANHOLE, TYPE G-1 and INLET-MANHOLE, TYPE G-1, SPECIAL.
2. Joint configuration and dimensions of flat slab top shall match and fit the riser joint detail.
3. Lifting devices shall be approved by the Engineer.

DESIGNER NOTES:
1. Include this standard with Type G-1 and Type G-1, Special Inlet-Manholes.
2. The flat slab top is included in the cost of INLET-MANHOLE as per District Special Provision.

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

01-01-97	RENUM. B-4.07, NEW REVISION BOX	T.P.
10-16-06	REVISED TO 2007 SPEC.	M.A.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOT TO SCALE

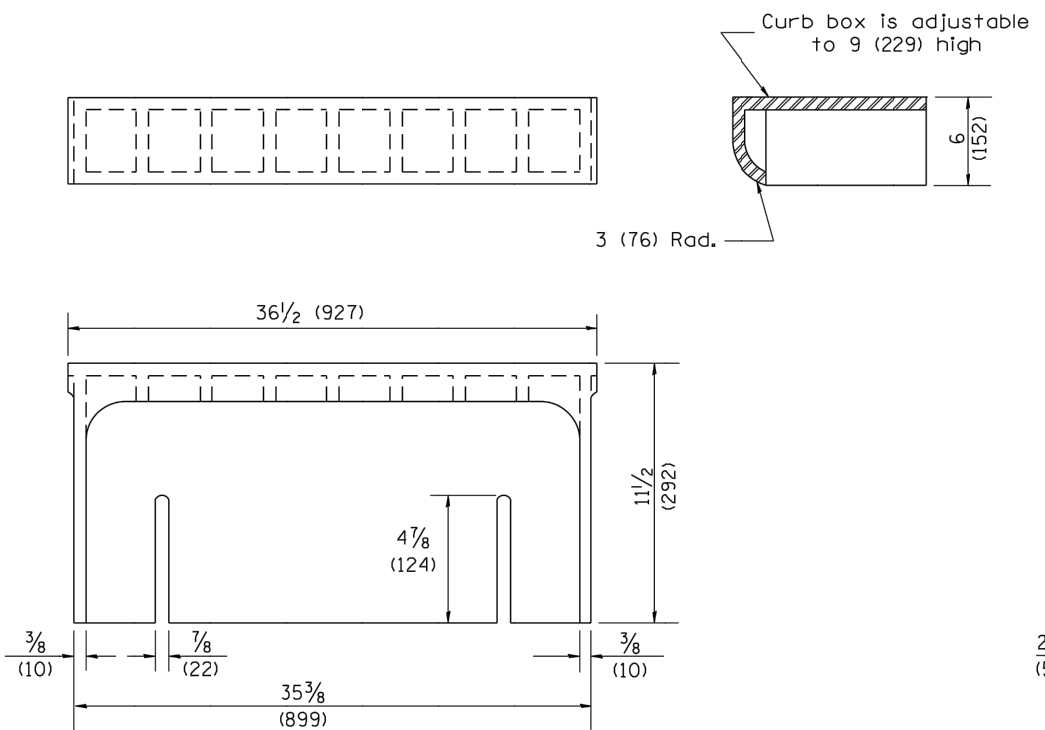
PRECAST REINFORCED CONCRETE FLAT SLAB TOP FOR
INLET-MANHOLE, TYPE G-1 AND TYPE G-1, SPECIAL

CADD STD. 602101-D4

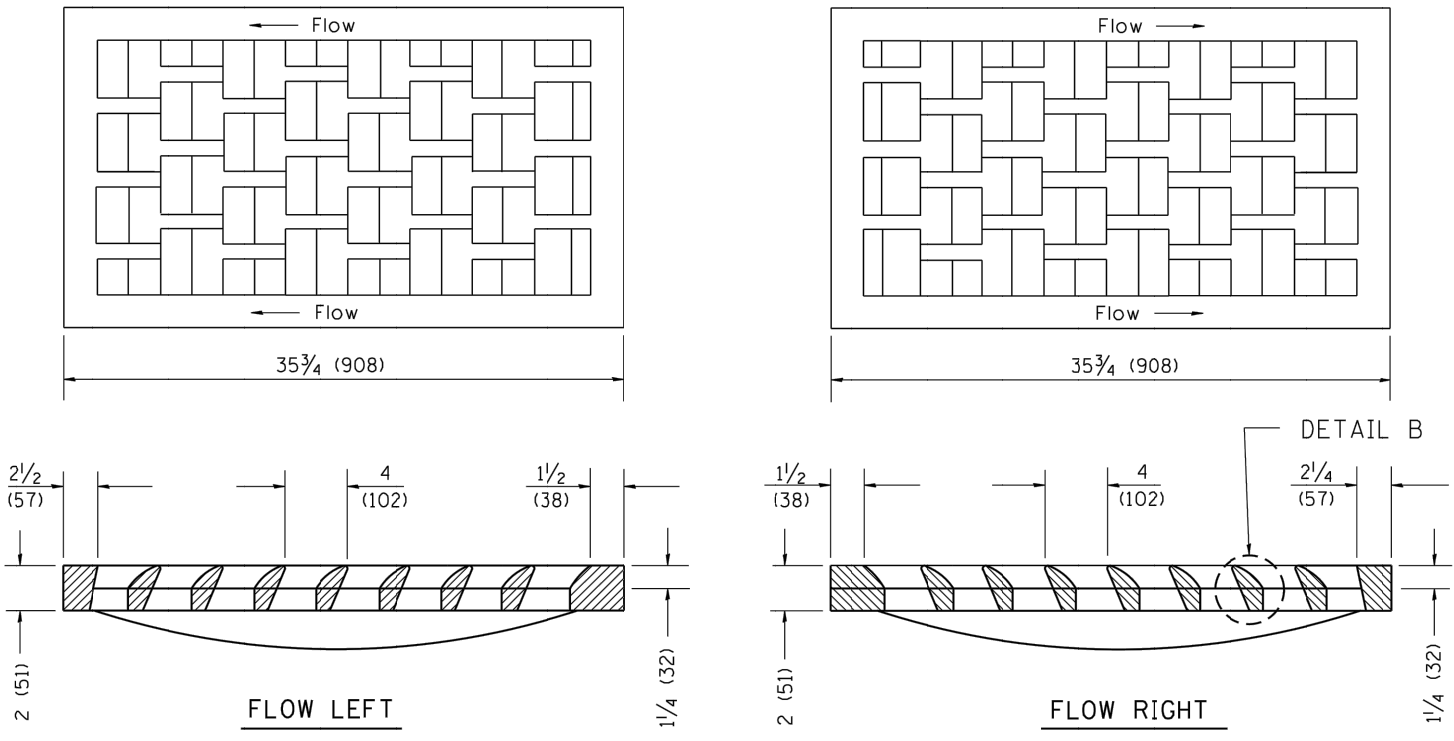
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6643	20-00387-00-PV	PEORIA	152	117
CONTRACT NO.				

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

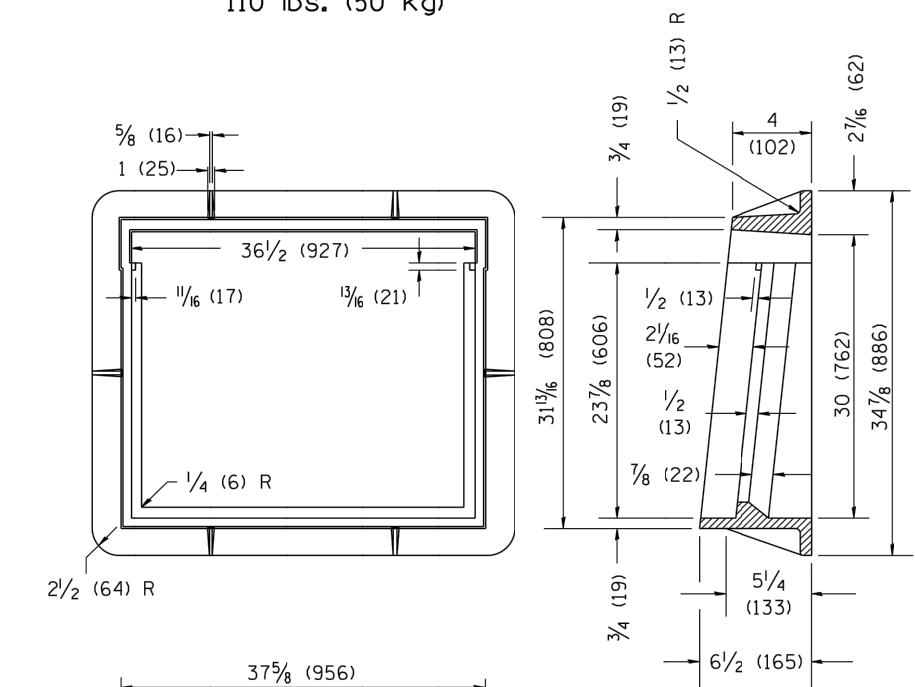
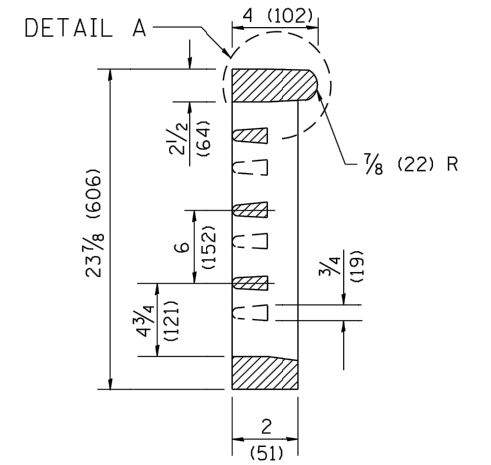
- 1. Include this standard with all Type G-1 and Type G-1, Special Drainage Structures.
- 2. Specify grate types and flow directions in plans.
- 3. These castings are included in the cost of the drainage structures as per District Special Provision.
- 4. This drawing based upon "NEENAH" designs as follows: Inlet Frame: R-3246-A, Curb Box: R-3290, Reversible Diagonal Grate: R-3246-A, Vane Grates: R-3246-AL(flow left), R-3246-AL(flow right)



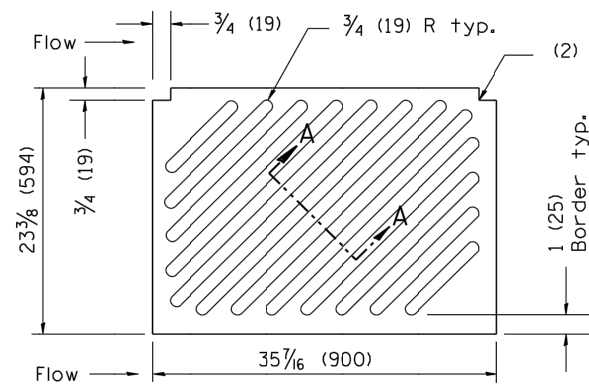
CAST CURB BOX
110 lbs. (50 kg)



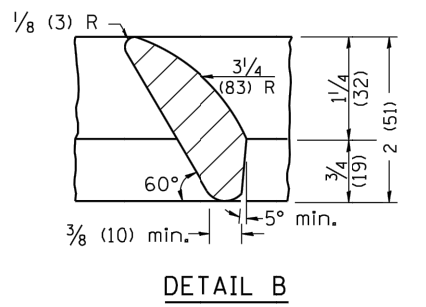
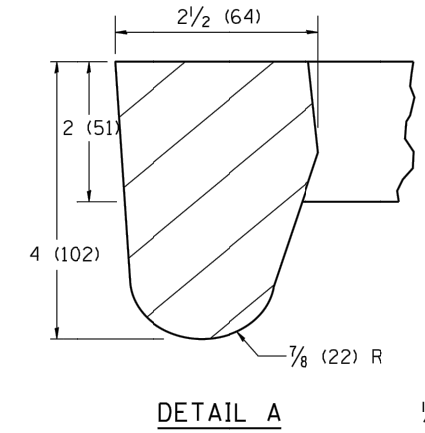
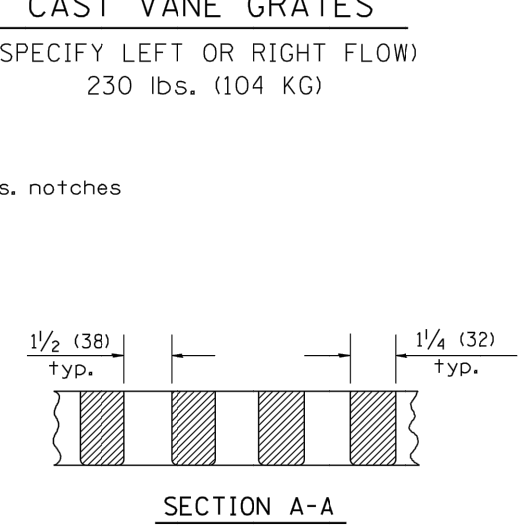
CAST VANE GRATES
(SPECIFY LEFT OR RIGHT FLOW)
230 lbs. (104 KG)



CAST FRAME
271 lbs. (123 kg)



CAST DIAGONAL GRATE
(Reversible for flow)
217 lbs. (98 kg)



GENERAL NOTES

1. The frame and grate shown on this drawing are for use with all TYPE G-1 and TYPE G-1, SPECIAL DRAINAGE STRUCTURES. See plans for grate type and flow direction.
2. Flow direction: As viewed from street side.
3. Material: cast gray iron.

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

01-01-97	RENUM. B-10.01, NEW REVISION BOX	T.P.
10-16-06	REVISED TO 2007 SPEC.	M.A.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

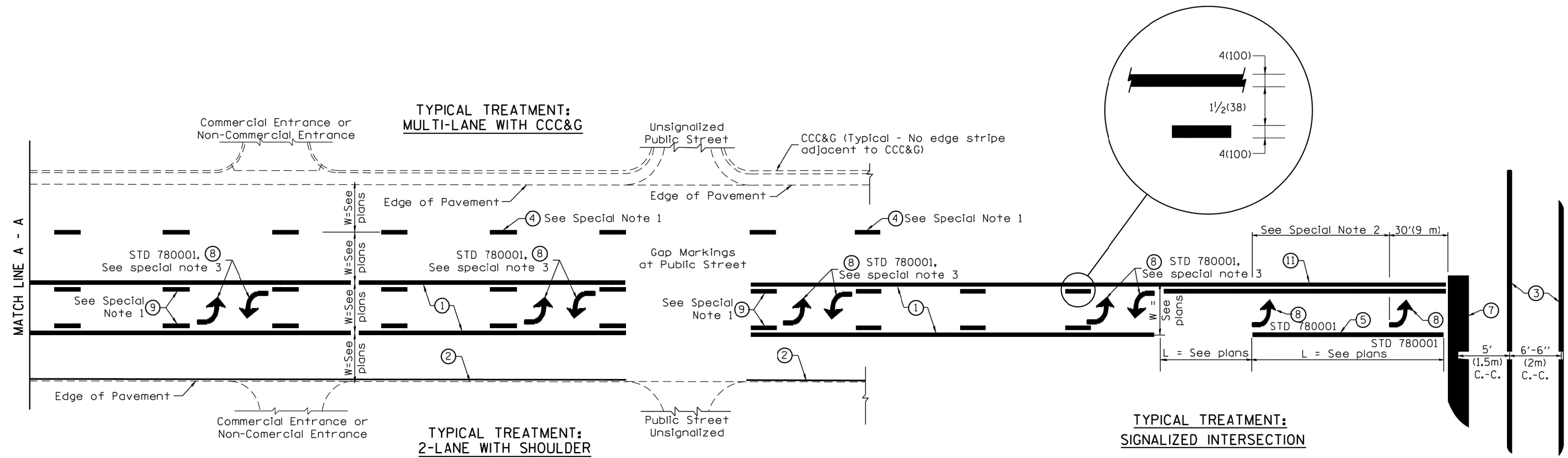
FRAME & GRATES FOR TYPE G-1 AND TYPE G-1,
SPECIAL DRAINAGE STRUCTURES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6643	20-00387-00-PV	PEORIA	152	118
CONTRACT NO.				

NOT TO SCALE

CADD STD. 604001-D4

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



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)

DESIGNER NOTES:
1. Include State Standard 780001 (Typical Pavement Markings)

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.	
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.	2/29/16	ADDED GROOVING AREAS	R.D.
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.	07-16-19	SPELLING CORRECTIONS	R.D.
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

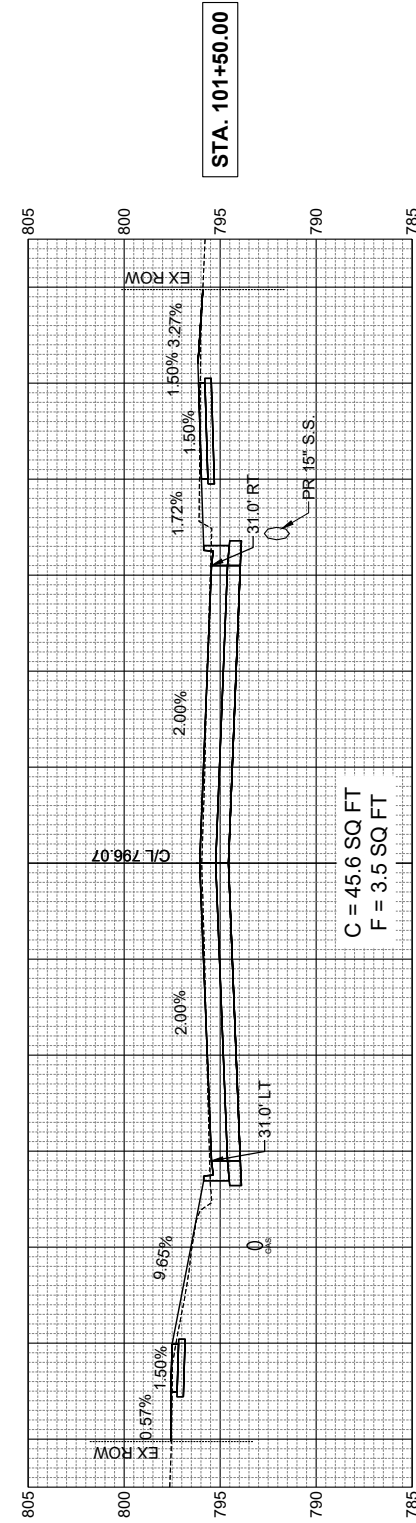
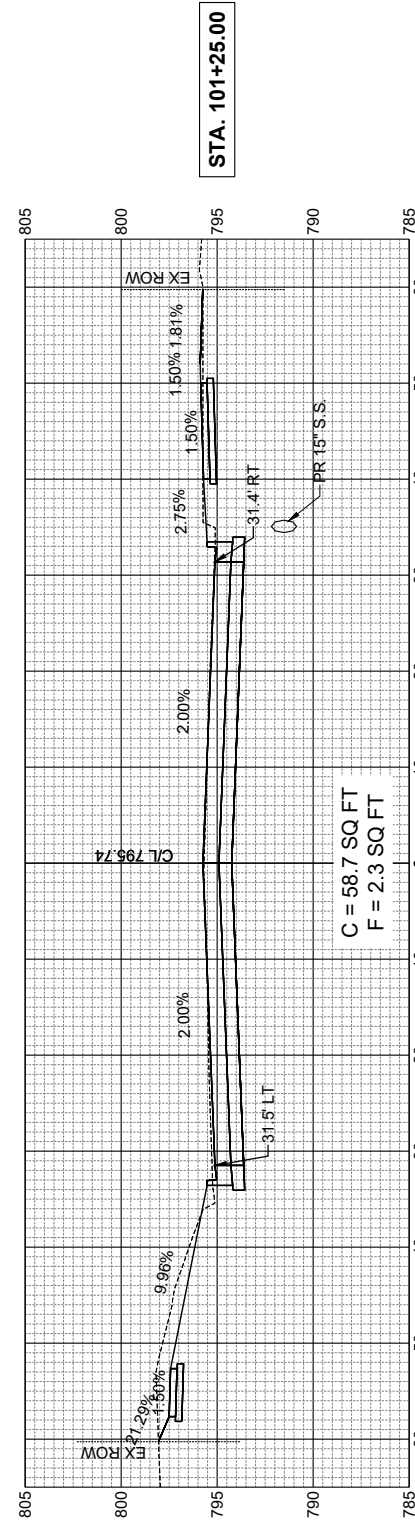
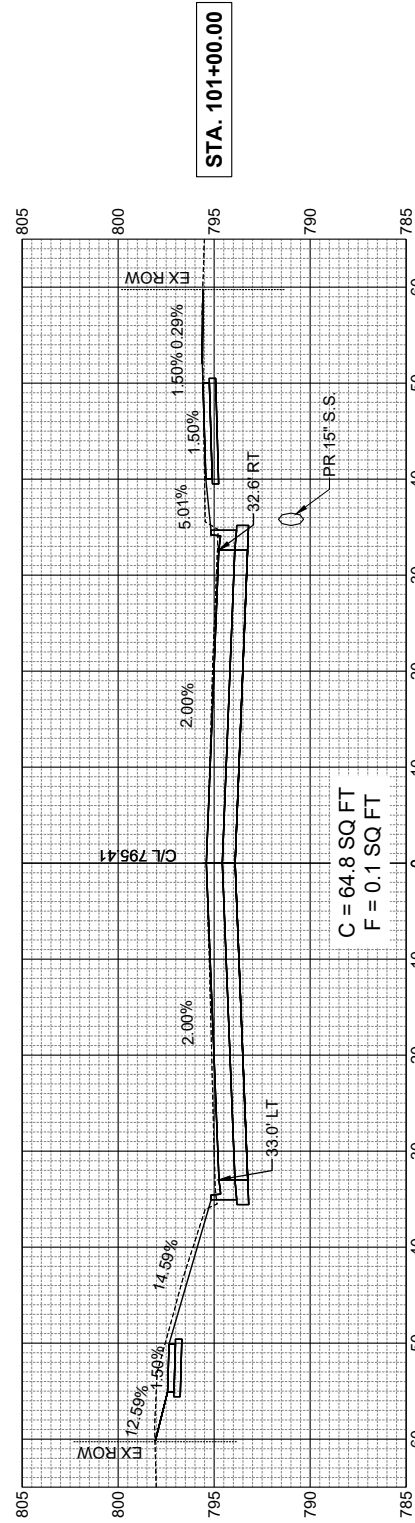
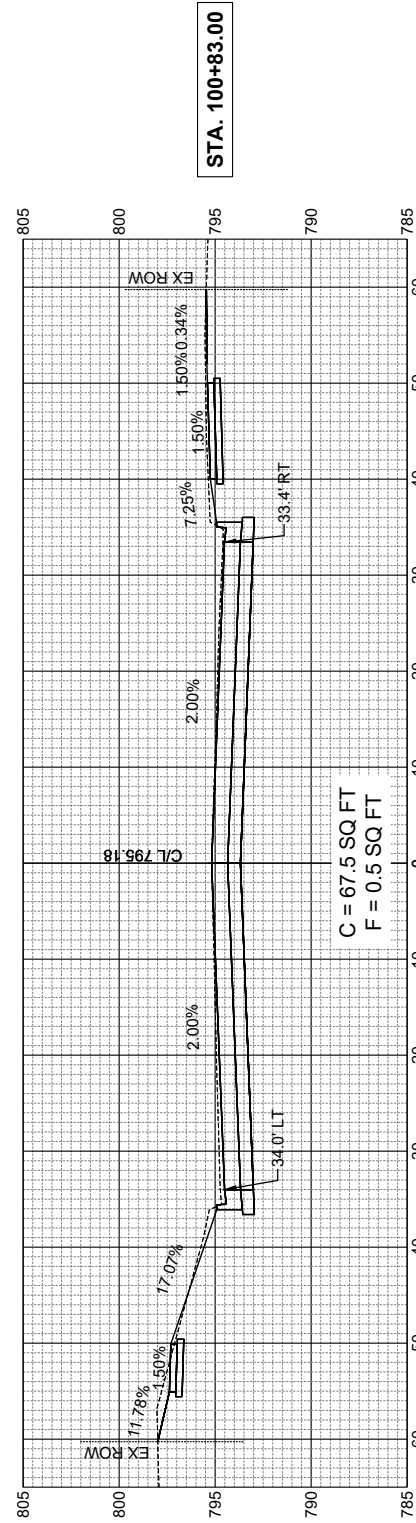
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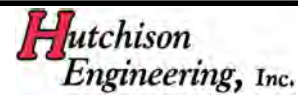
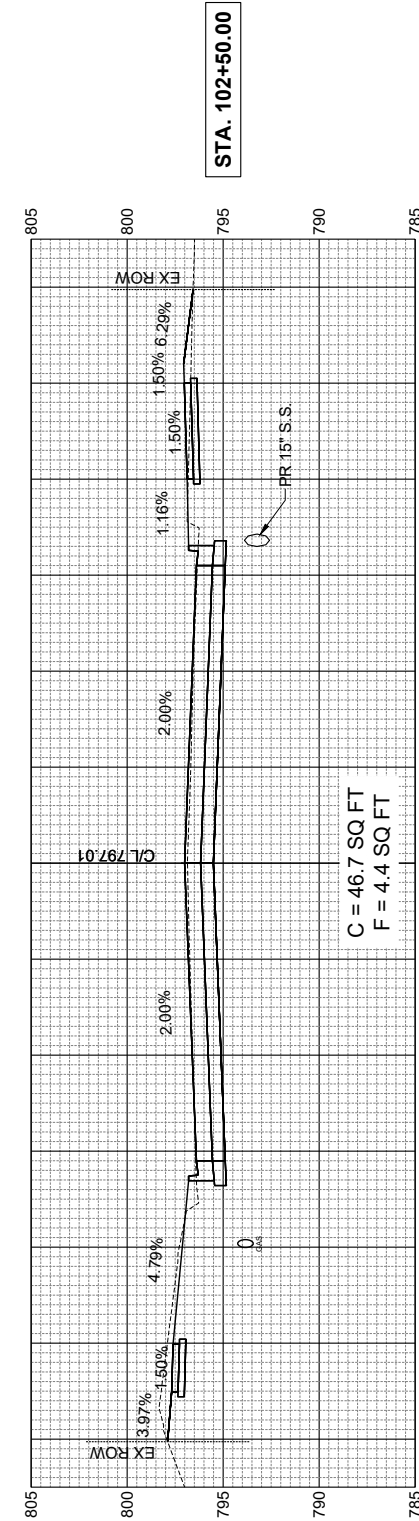
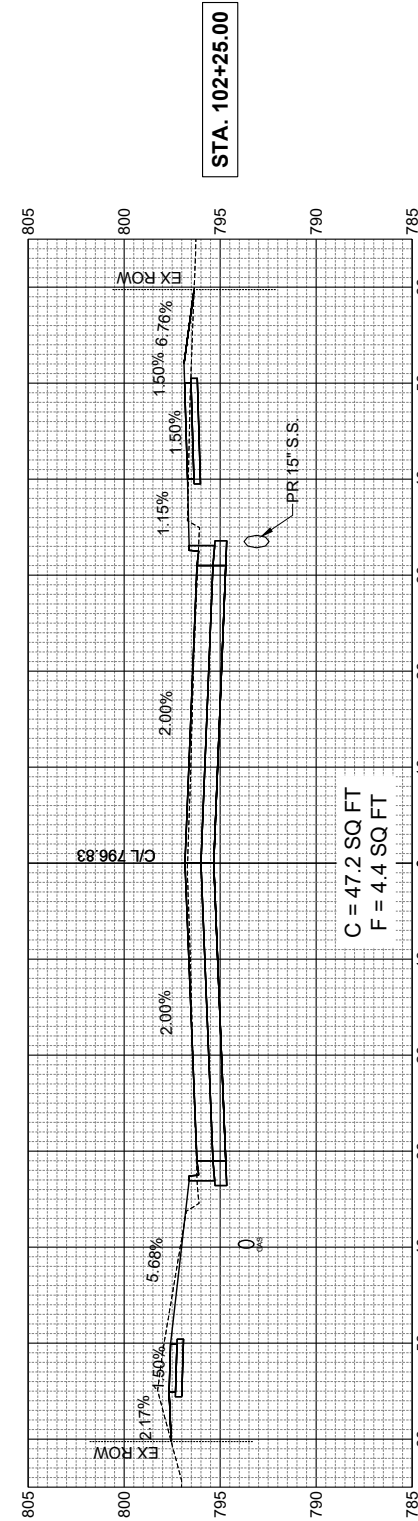
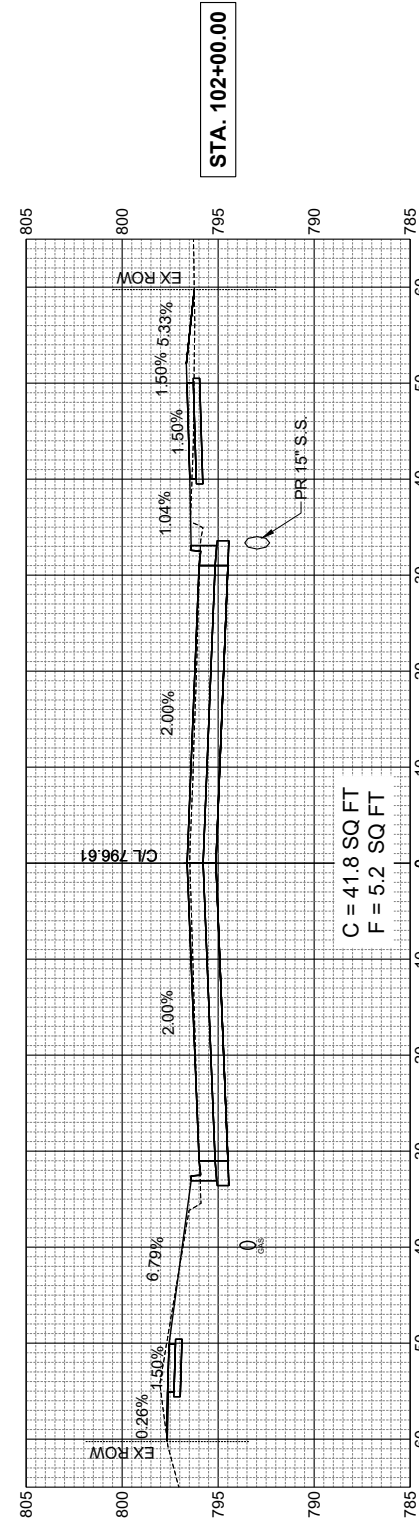
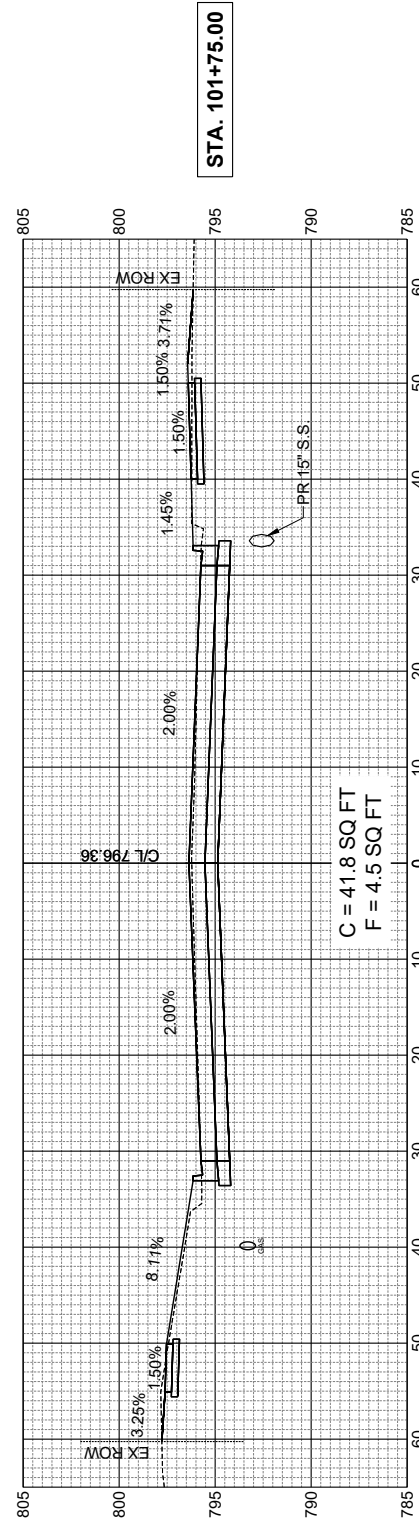
TYPICAL PAVEMENT MARKINGS

SHT. 1 OF 2
CADD STD. 780001-D4

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6643	20-00387-00-PV	PEORIA	152	119
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO.	

NOTE:
 FIBER OPTIC LINES NOT SHOWN FOR CLARITY. SEE PLAN AND PROFILE SHEETS
 FOR UTILITIES LOCATED WITHIN THE PROJECT LIMITS.
 UTILITIES ARE NOT DRAWN TO SCALE



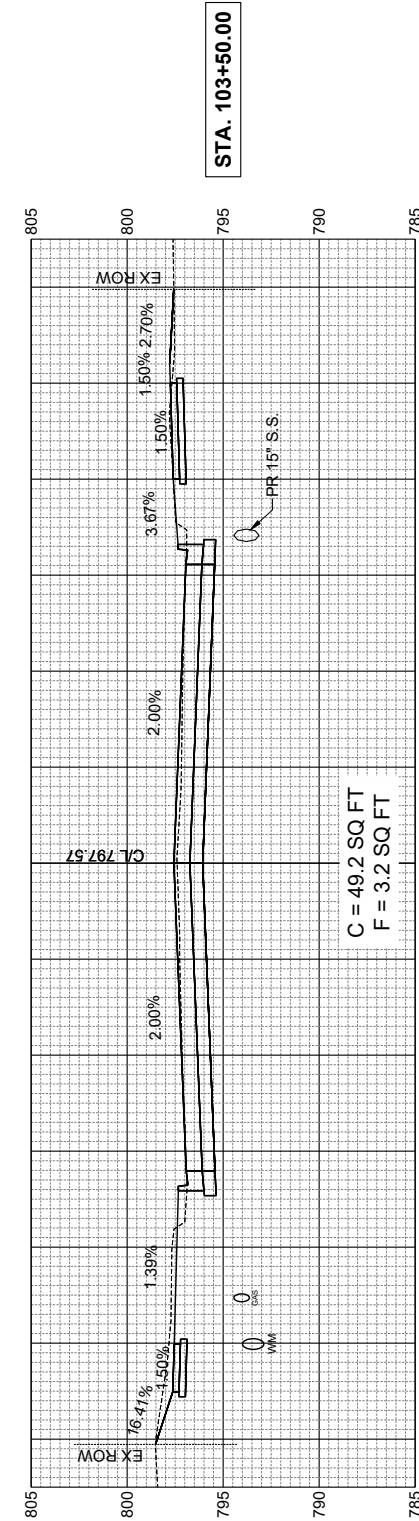
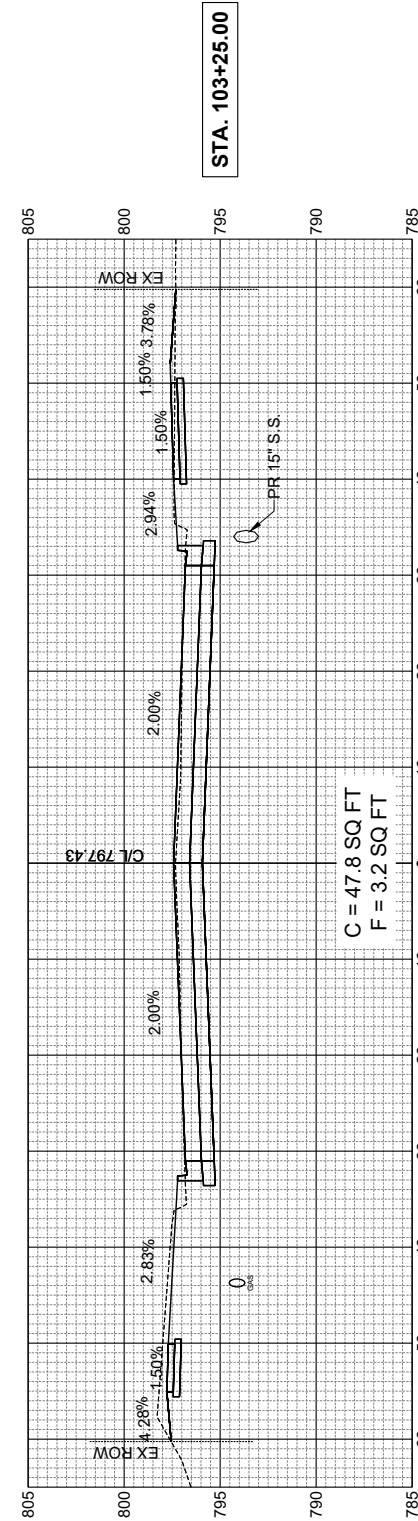
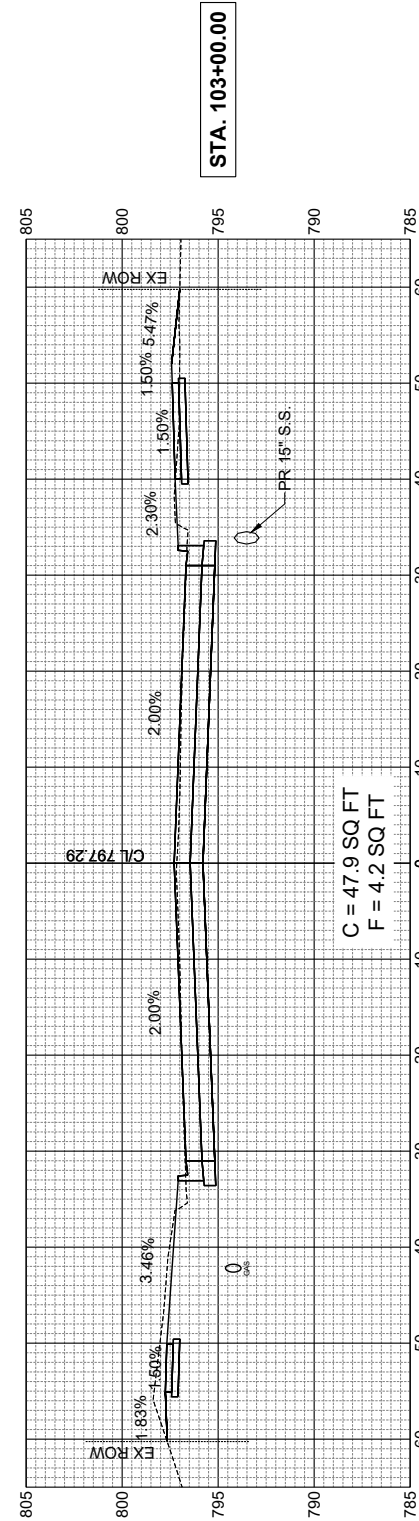
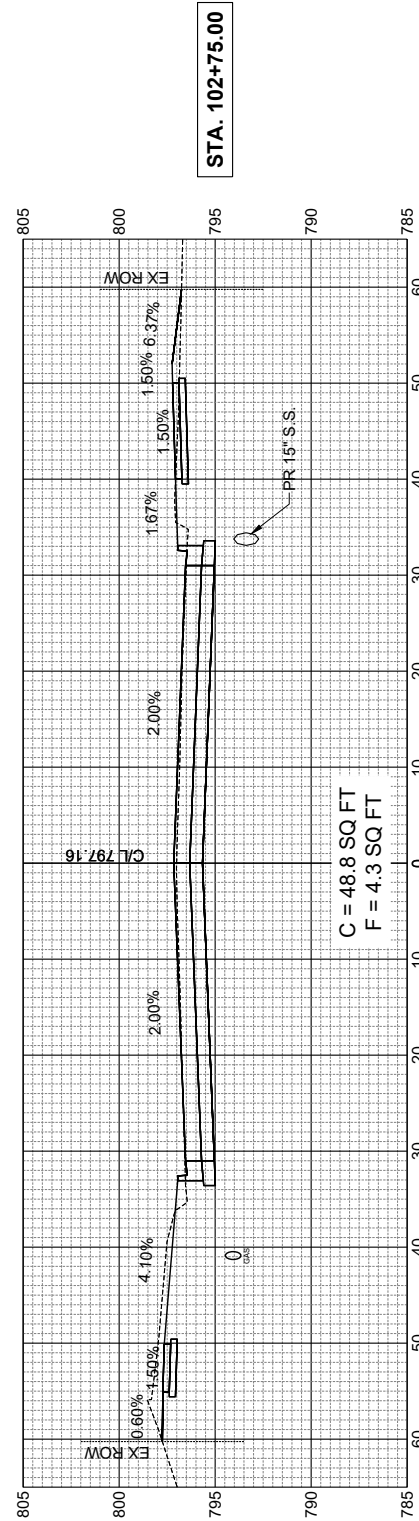


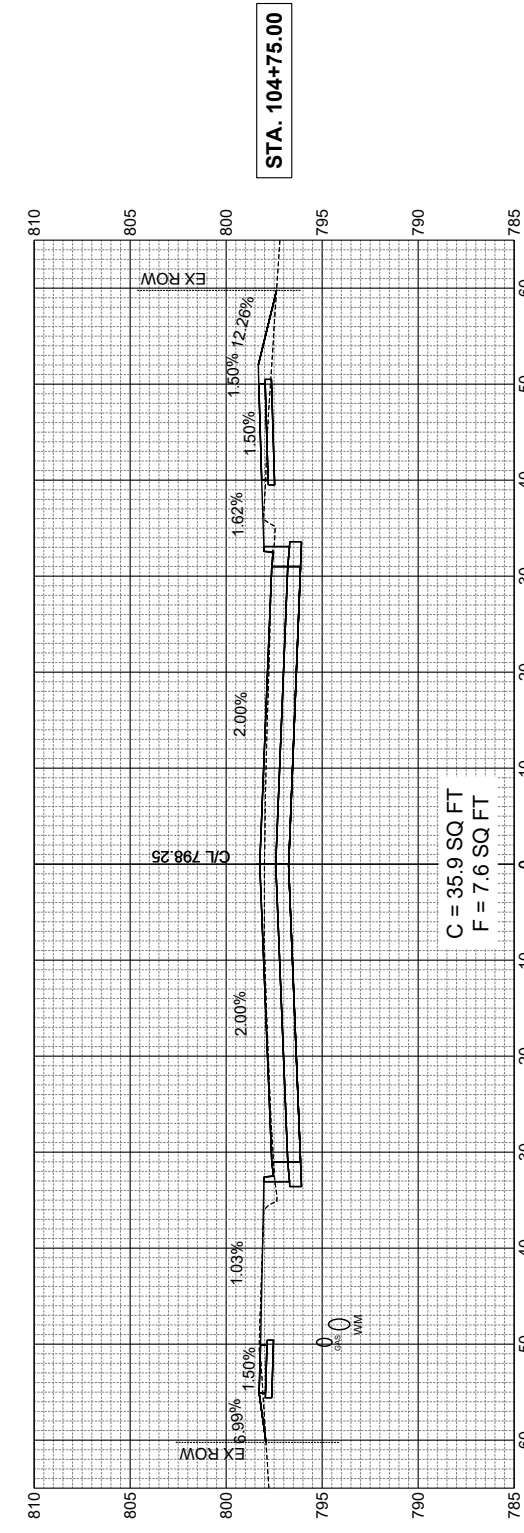
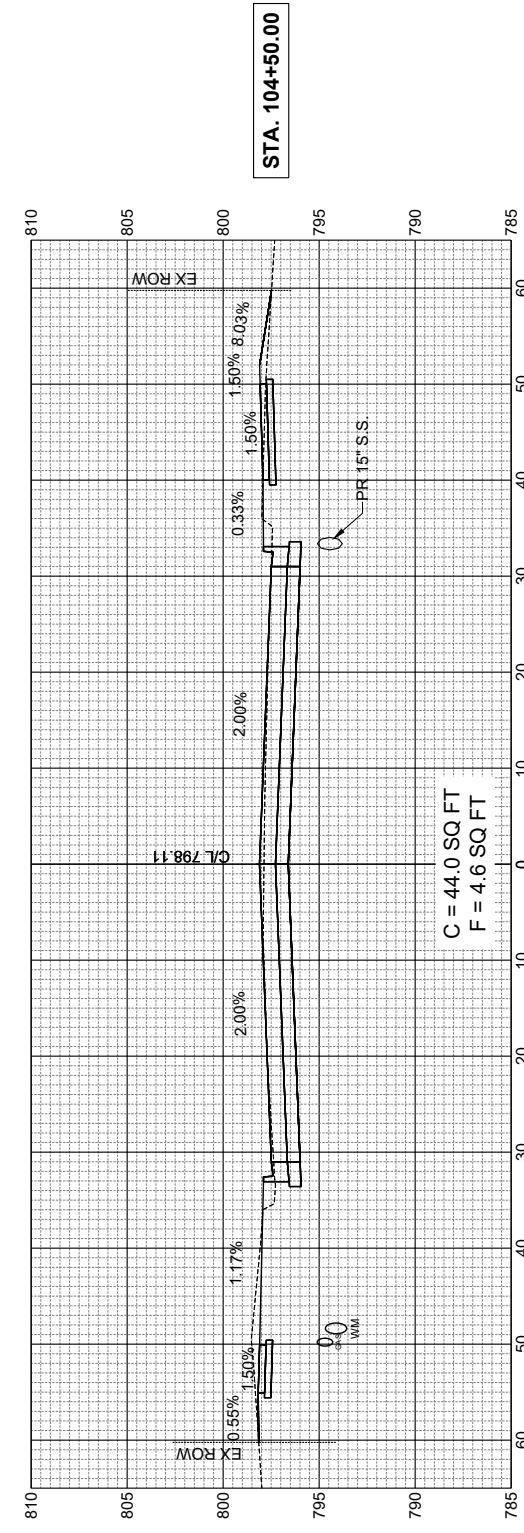
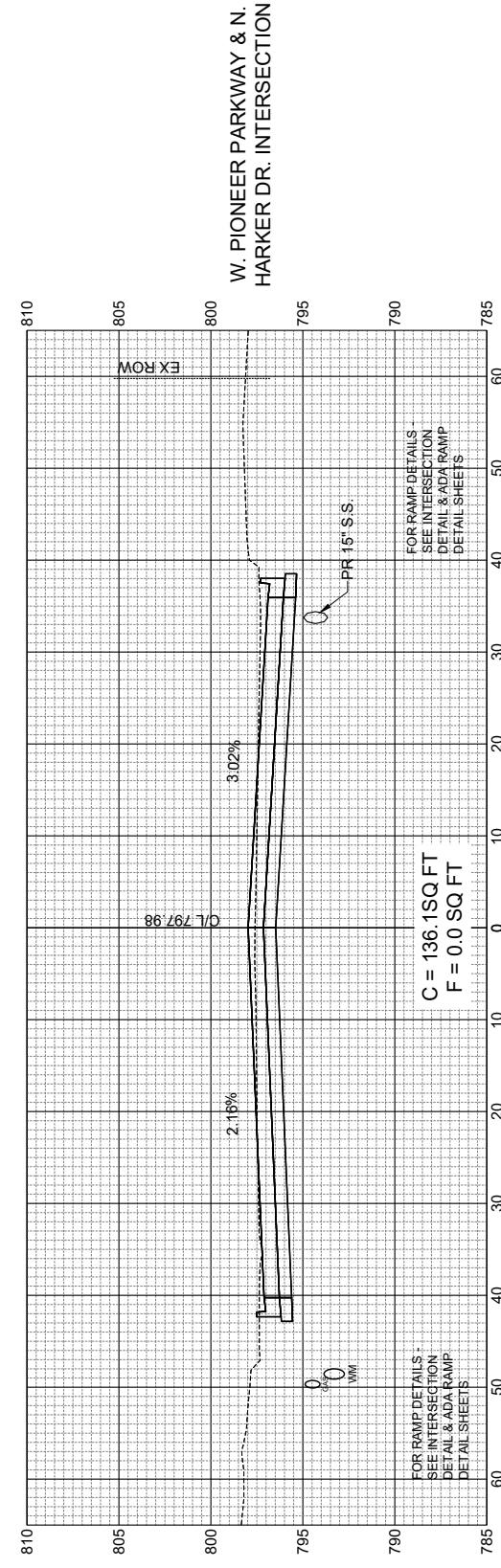
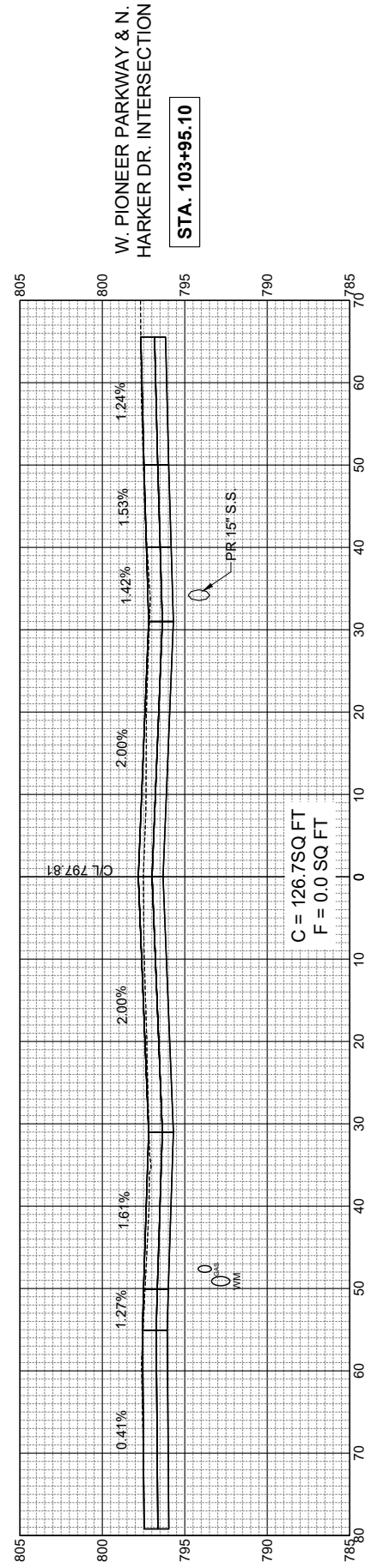
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 DRAWN SRH
 CHECKED RMB
 PROJECT #: 5111.02

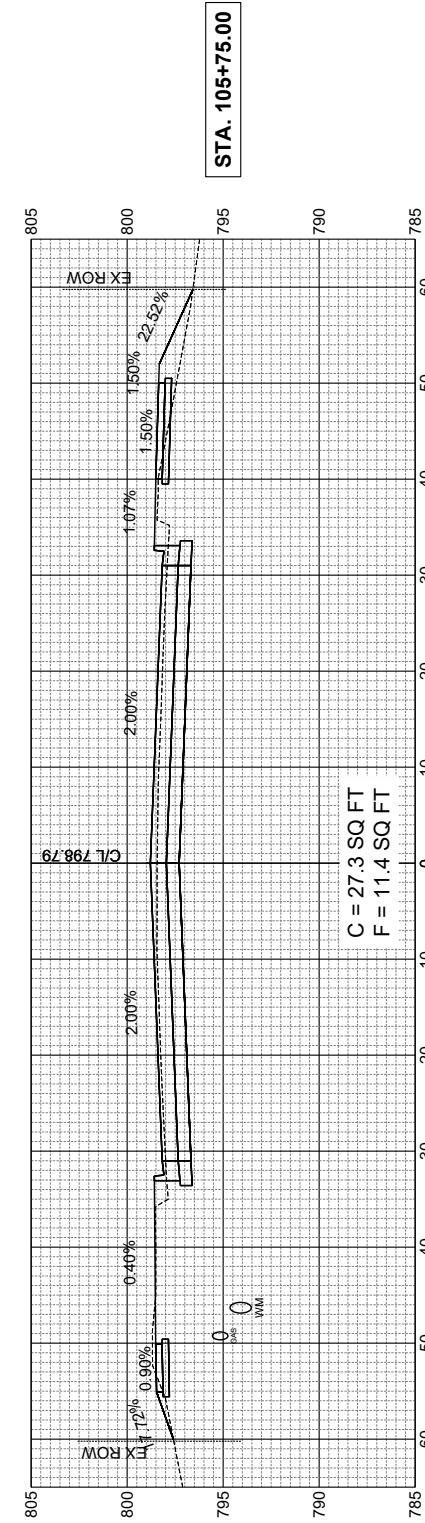
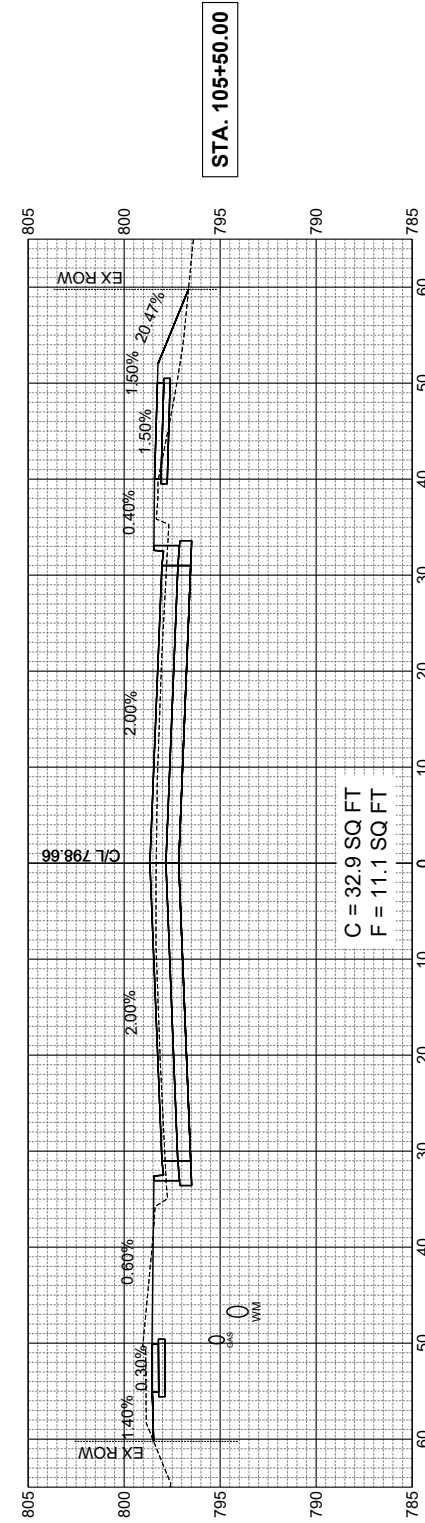
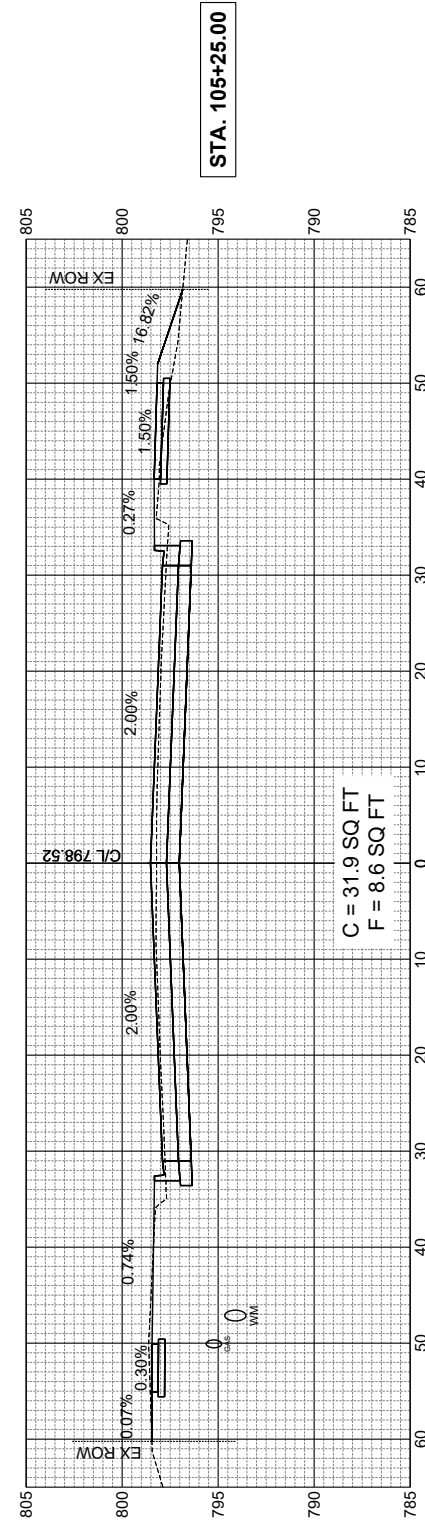
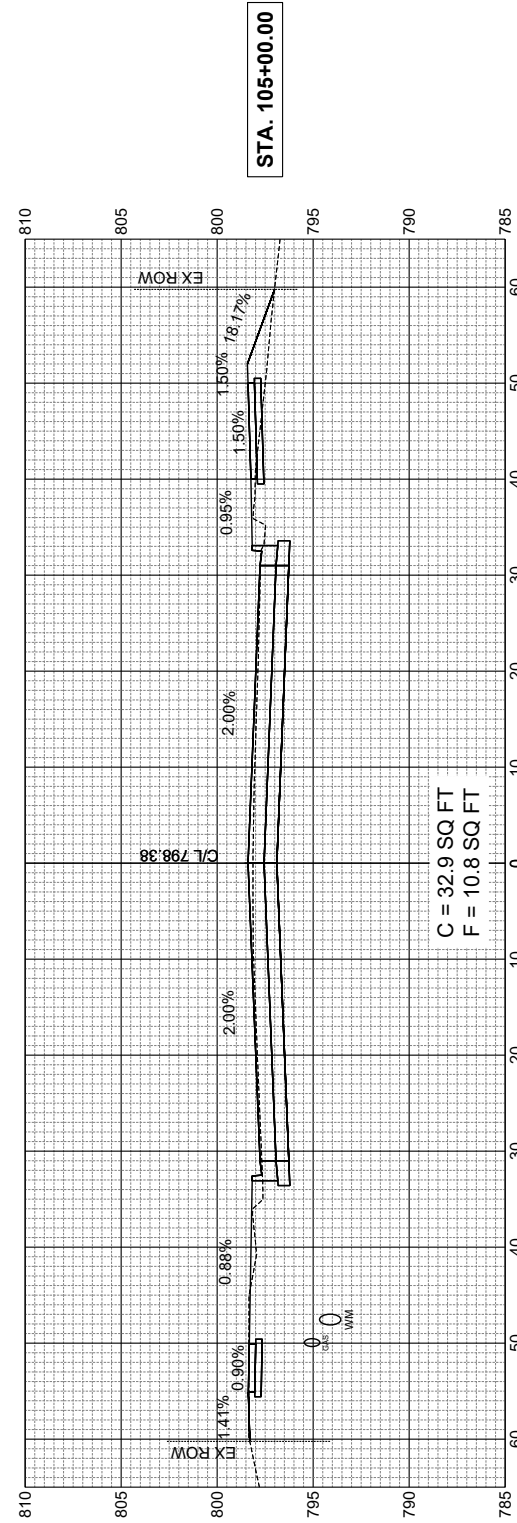
**PIONEER PKWY &
 N UNIVERSITY ST
 RECONSTRUCTION**

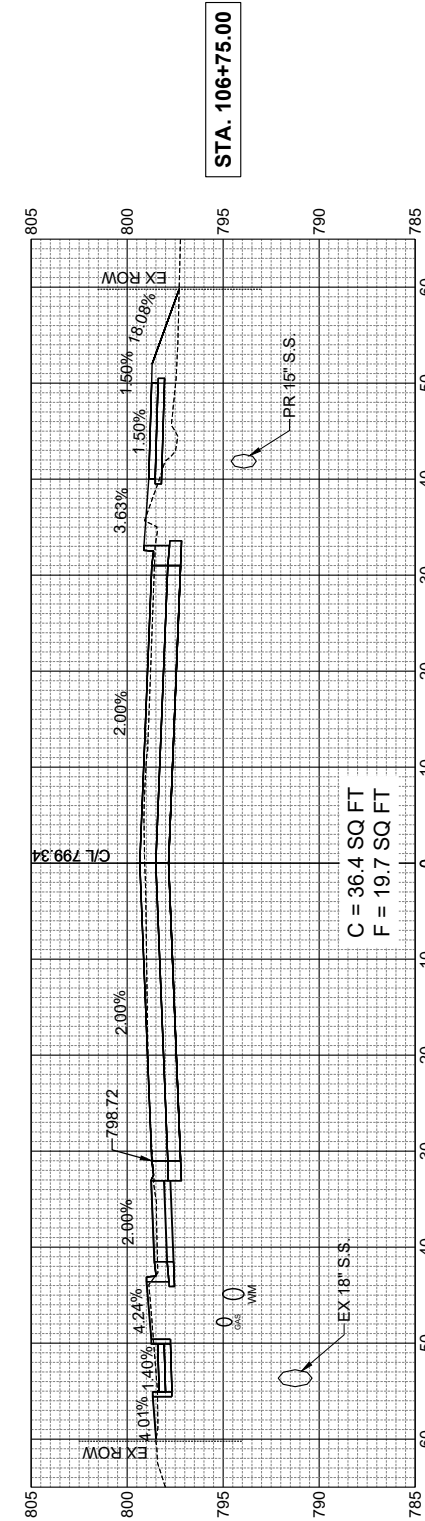
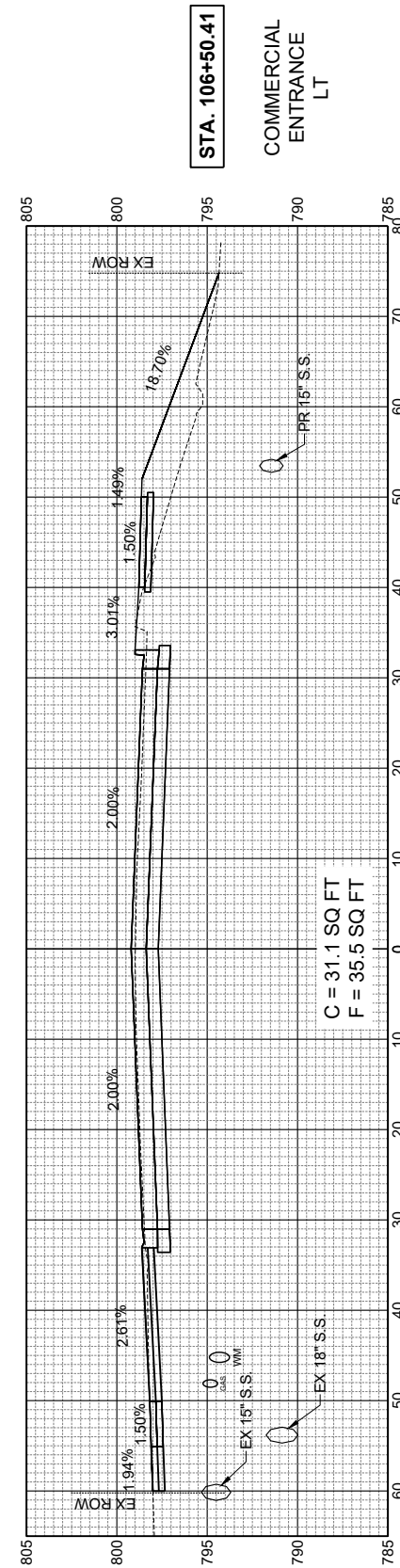
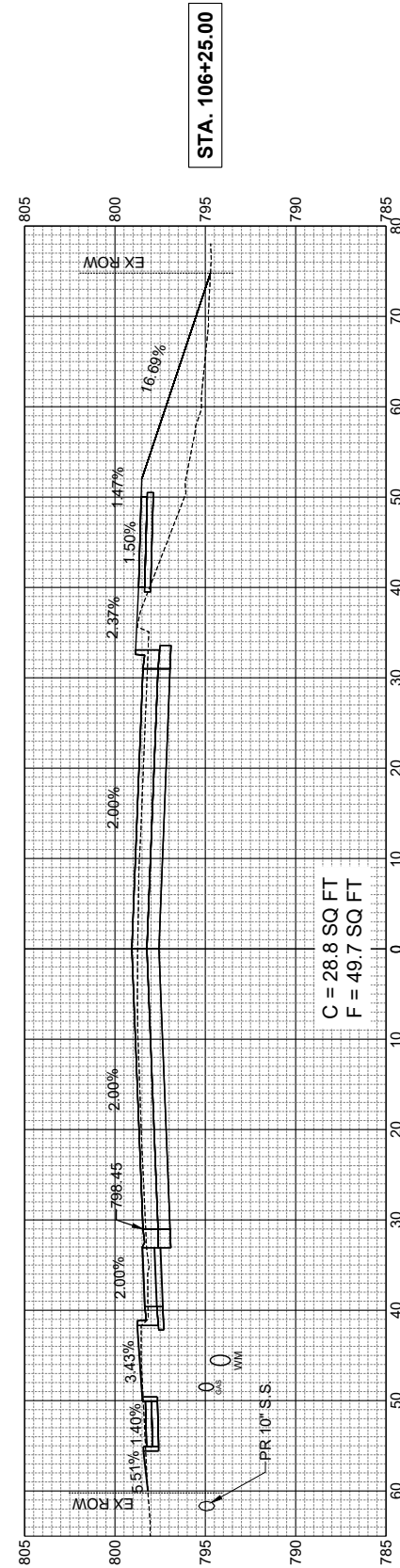
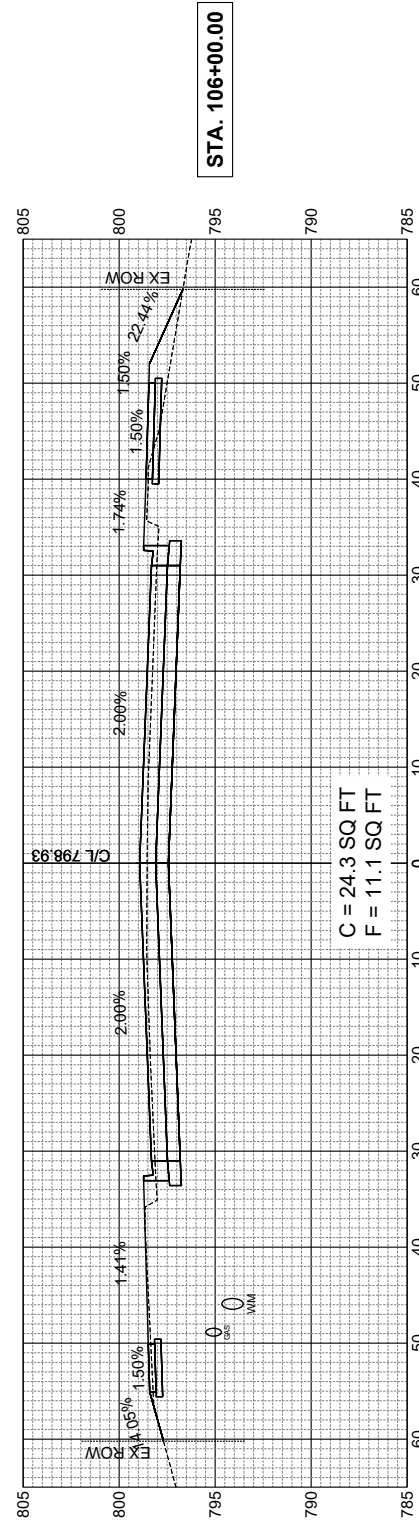


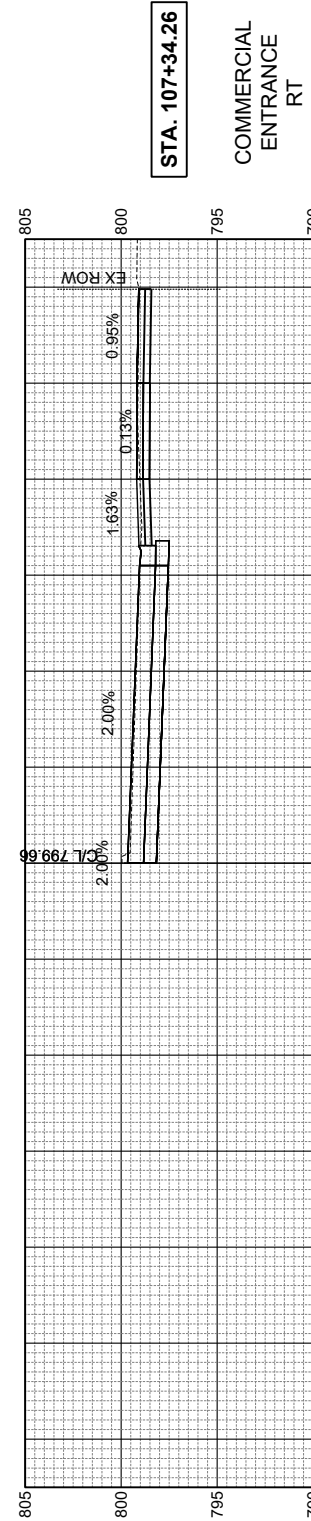
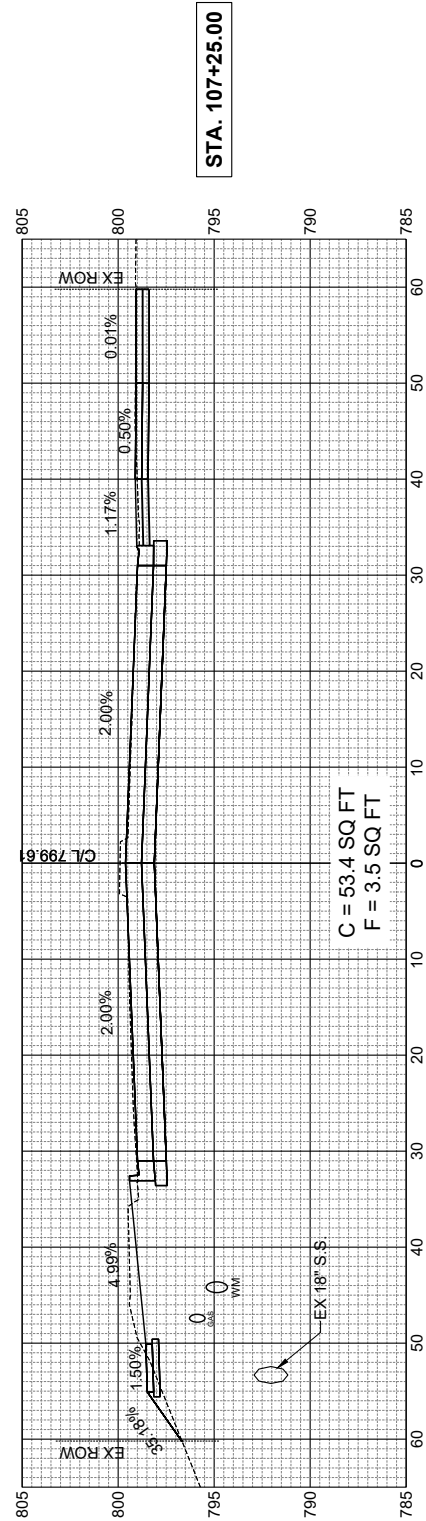
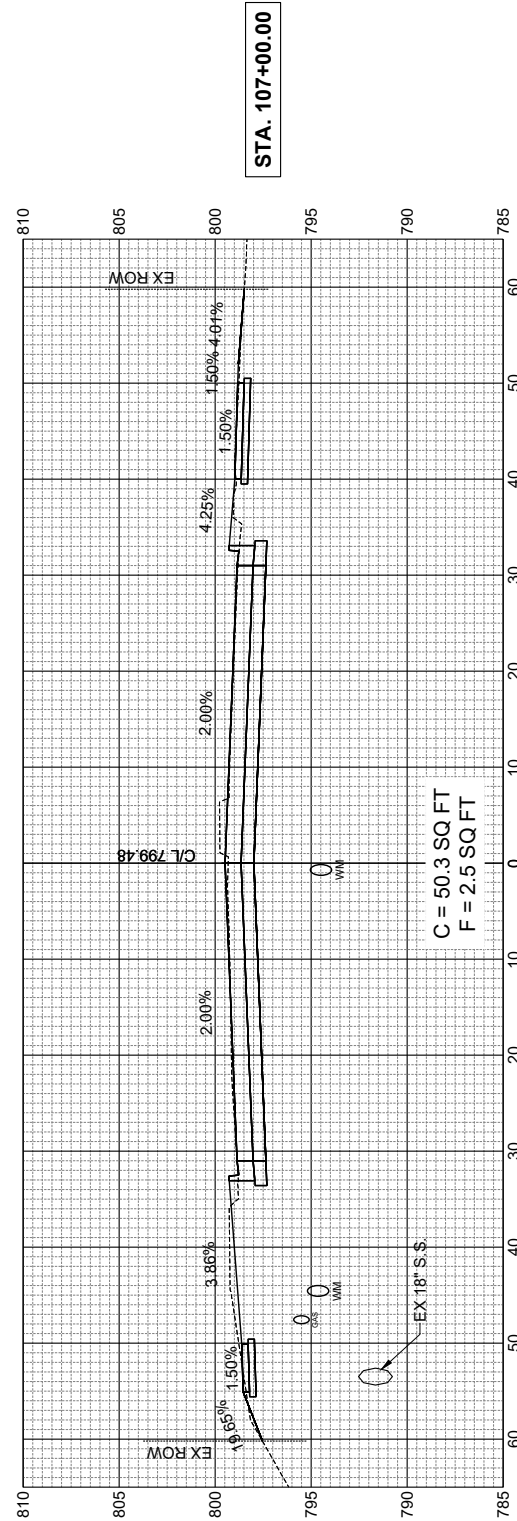
PIONEER PKWY - CROSS SECTIONS (2 OF 18)



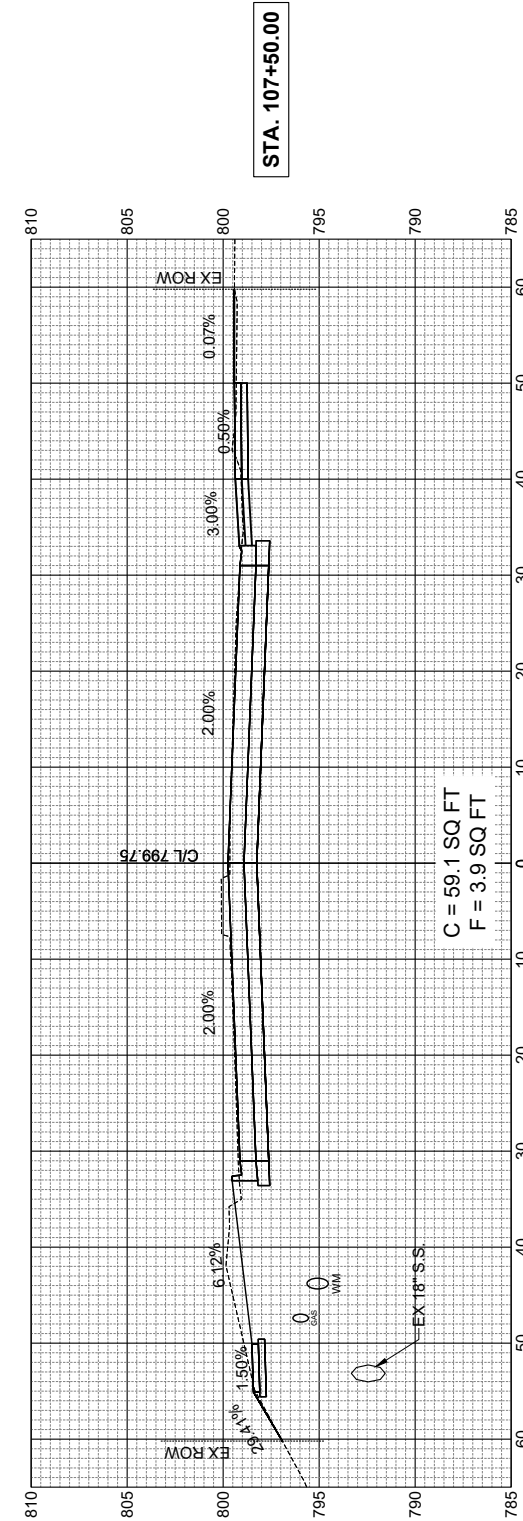








COMMERCIAL
ENTRANCE
RT



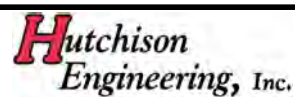
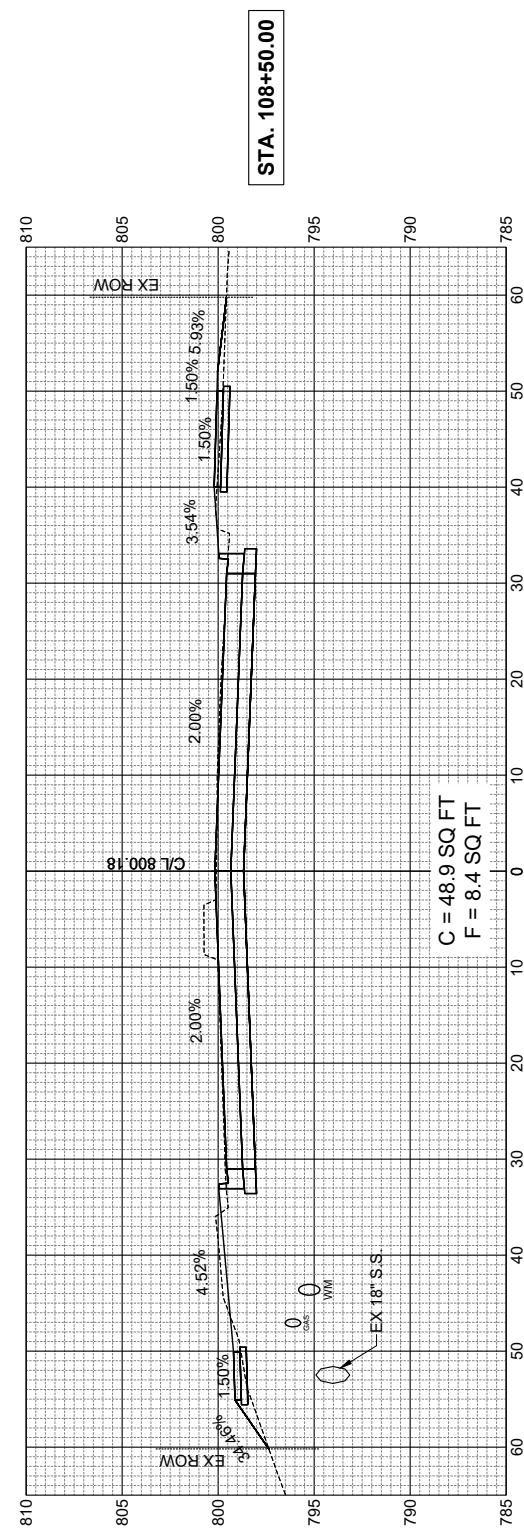
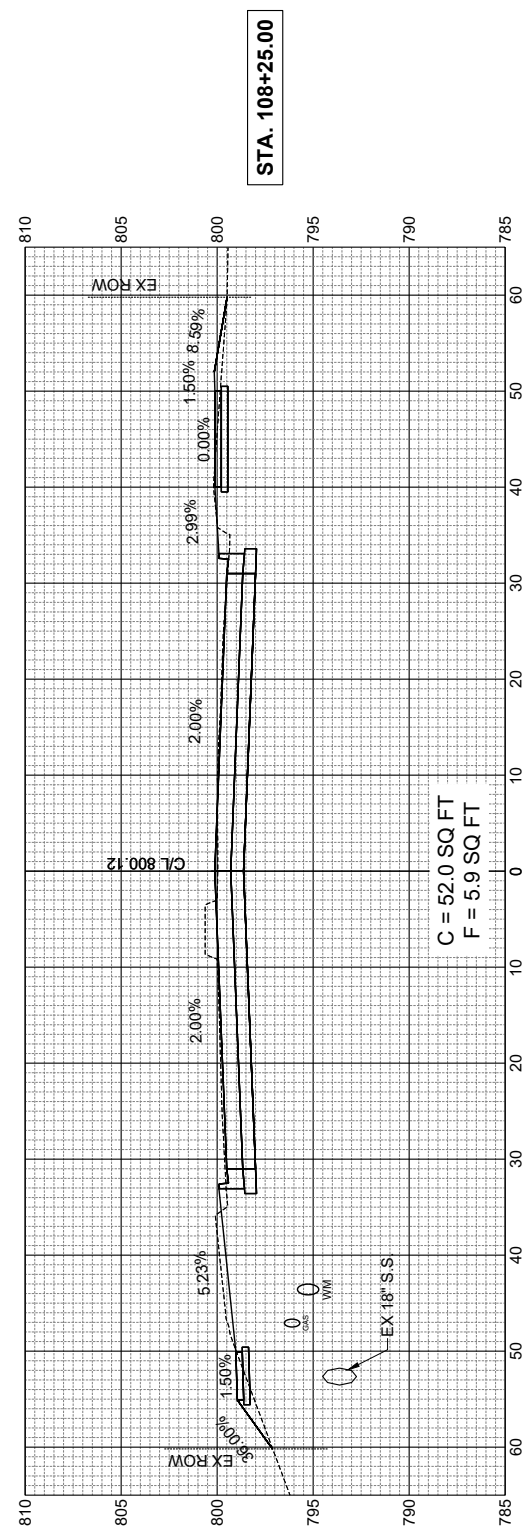
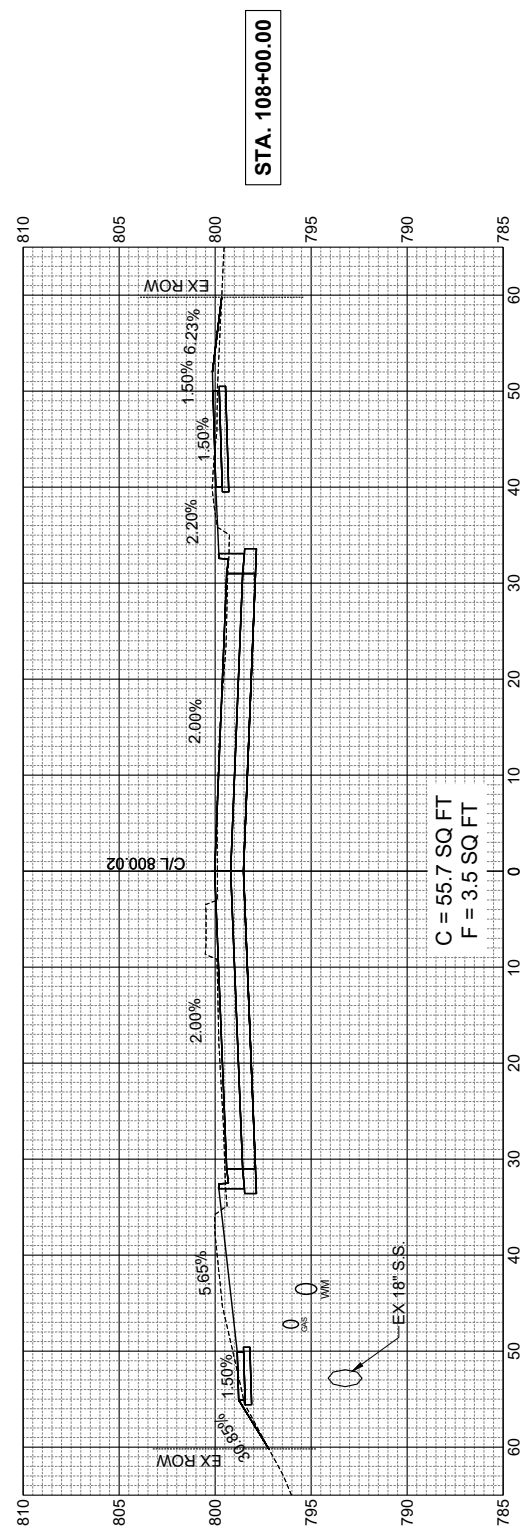
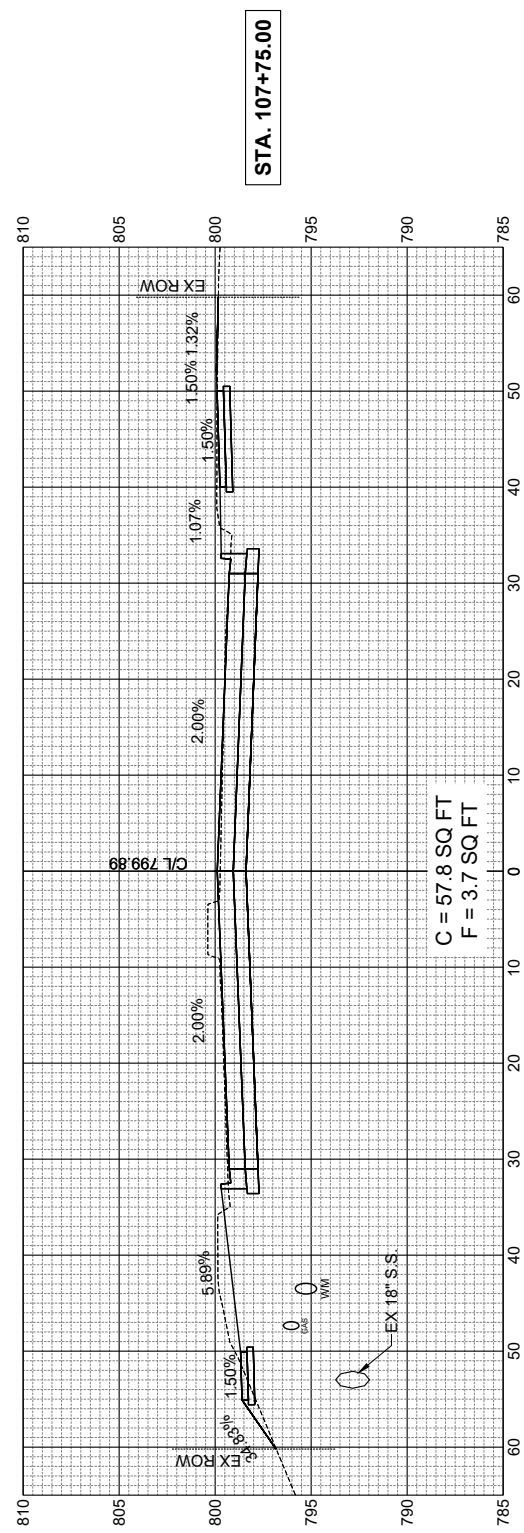
DESIGNED EAA	DATE- 10-13-23
DRAWN SRH	
CHECKED RMB	
PROJECT #: 5111.02	

**PIONEER PKWY &
N UNIVERSITY ST
RECONSTRUCTION**



PIONEER PKWY - CROSS SECTIONS (7 OF 18)

SHEET
127 OF 152



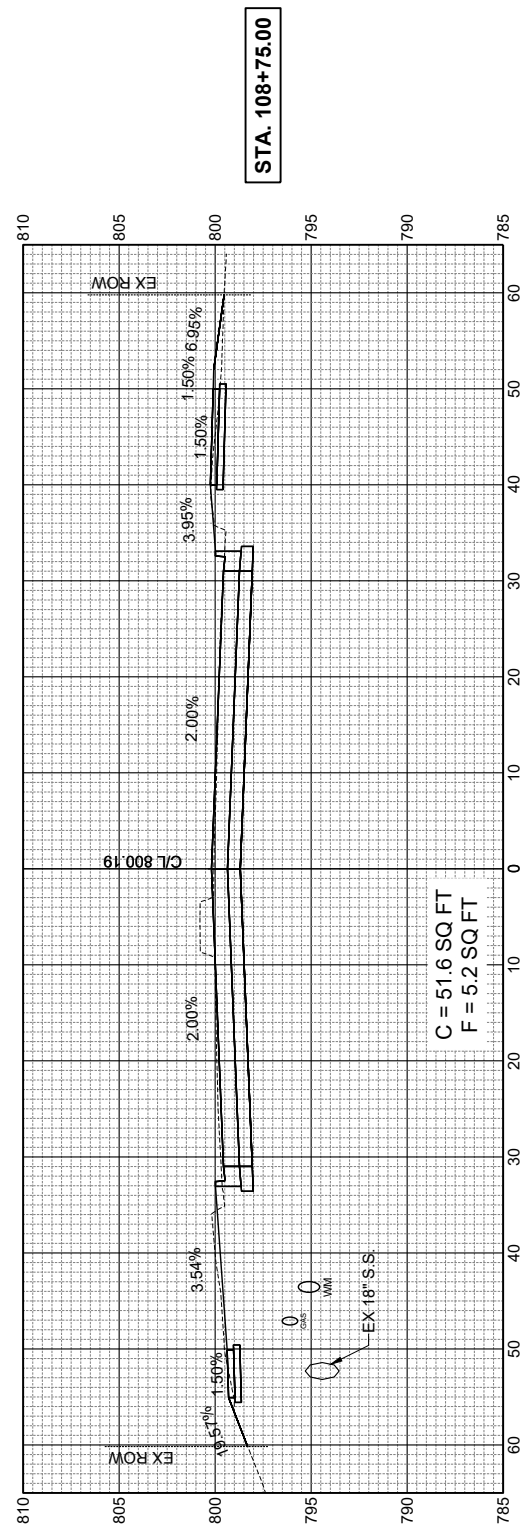
DESIGNED	EAA	DATE-	10-13-23
DRAWN	SRH		
CHECKED	RMB		
PROJECT #:	5111.02		

PIONEER PKWY & N UNIVERSITY ST RECONSTRUCTION

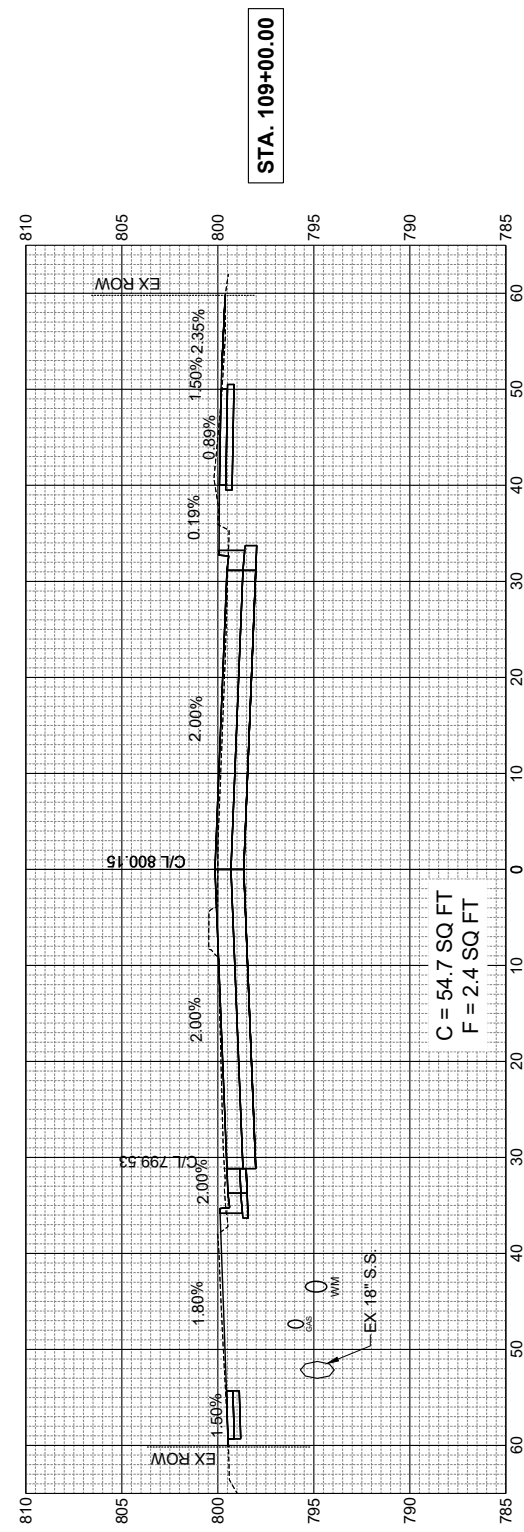


PIONEER PKWY - CROSS SECTIONS (8 OF 18)

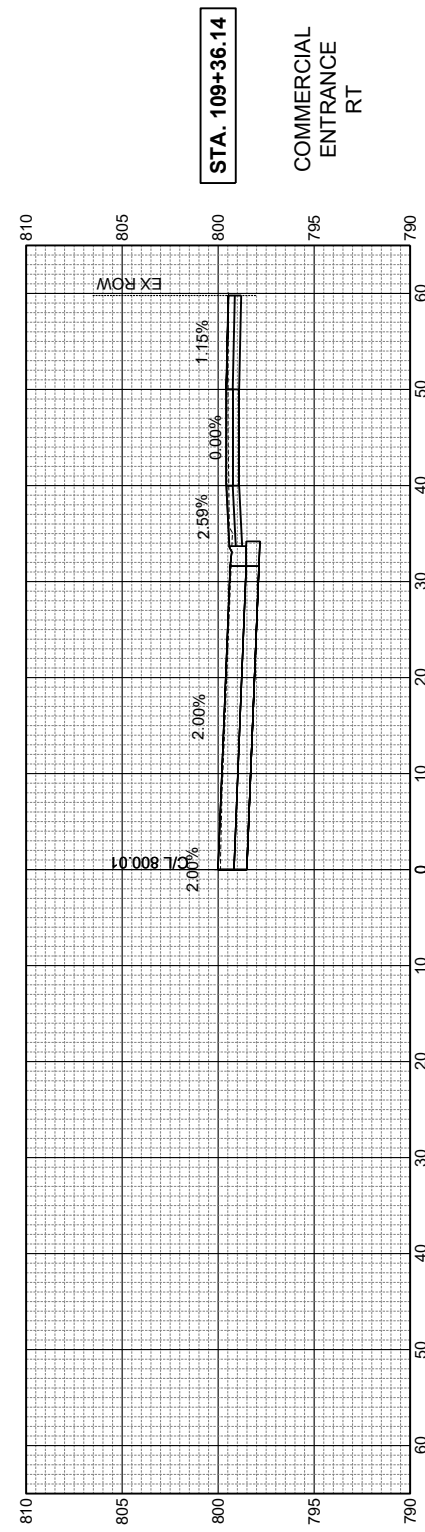
SHEET 128 OF 152



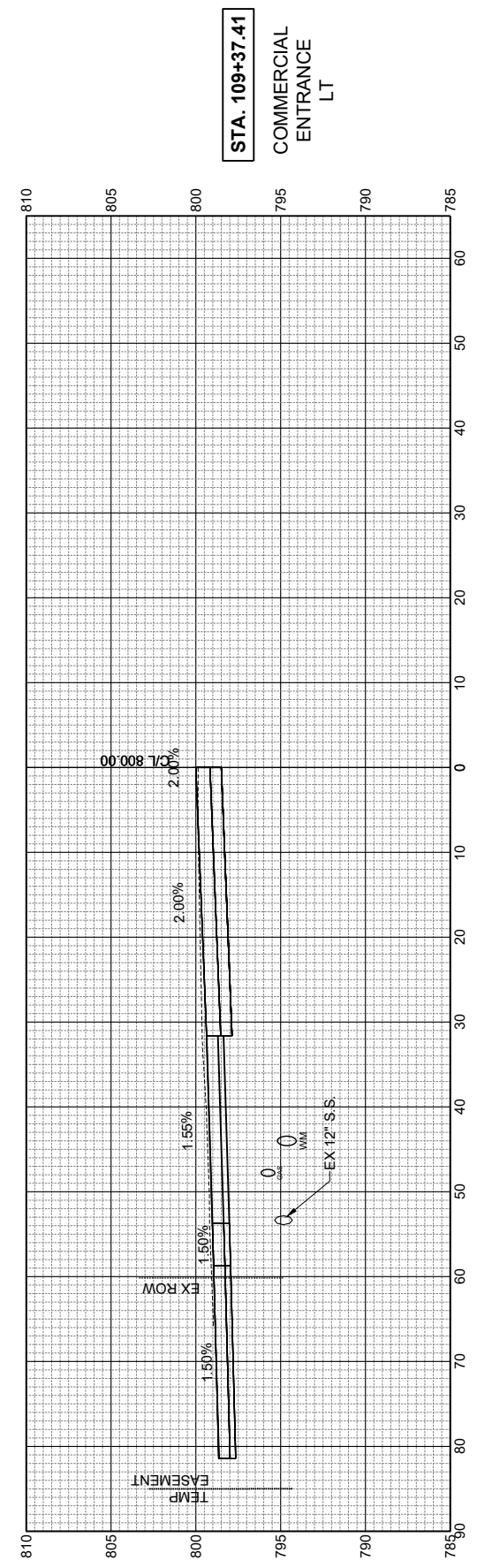
C = 51.6 SQ FT
F = 5.2 SQ FT



C = 54.7 SQ FT
F = 2.4 SQ FT



COMMERCIAL
ENTRANCE
RT



COMMERCIAL
ENTRANCE
LT



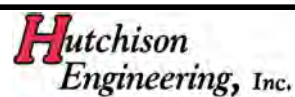
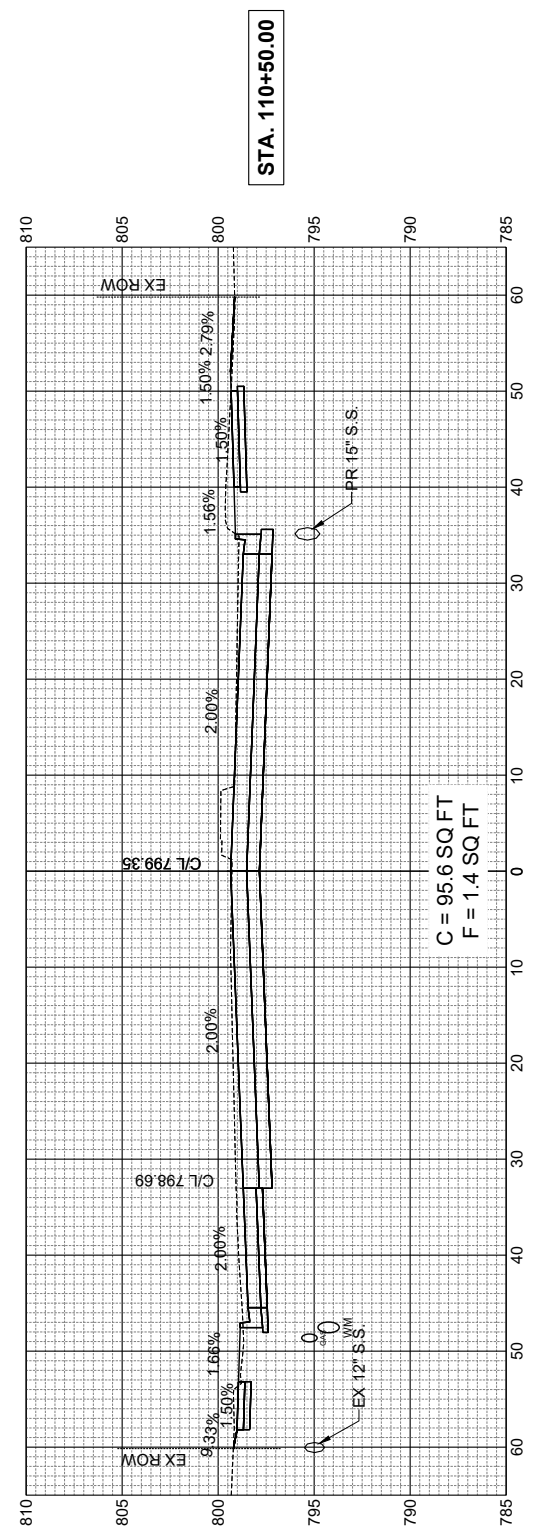
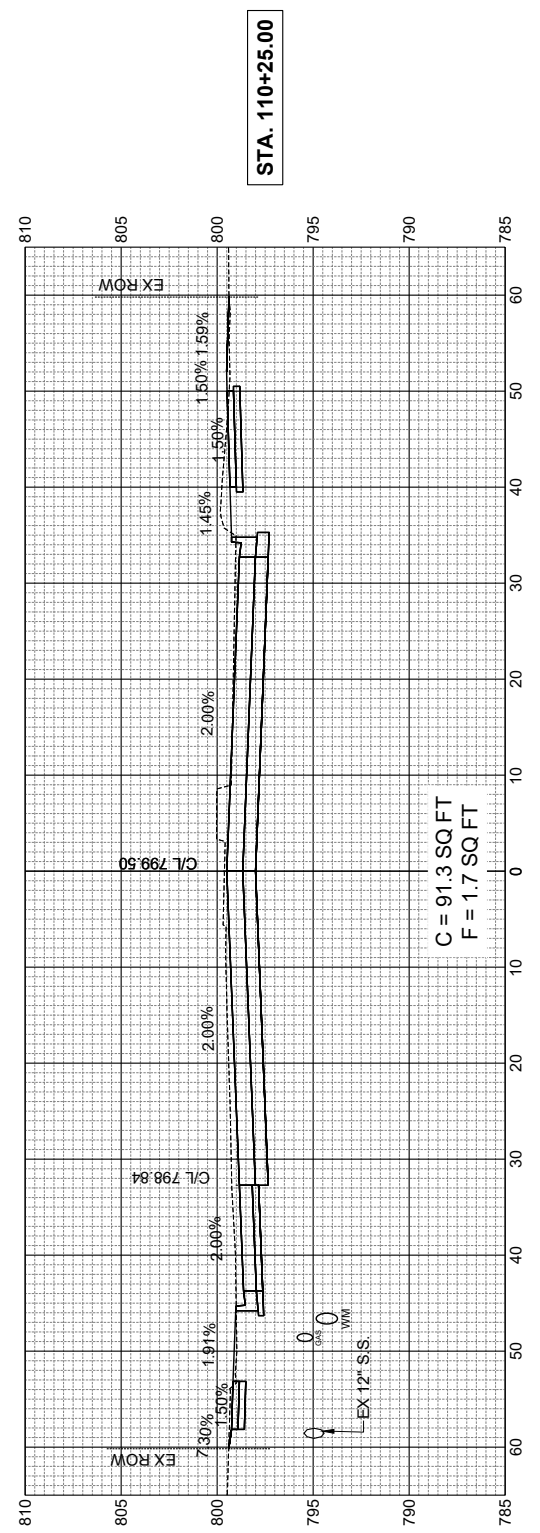
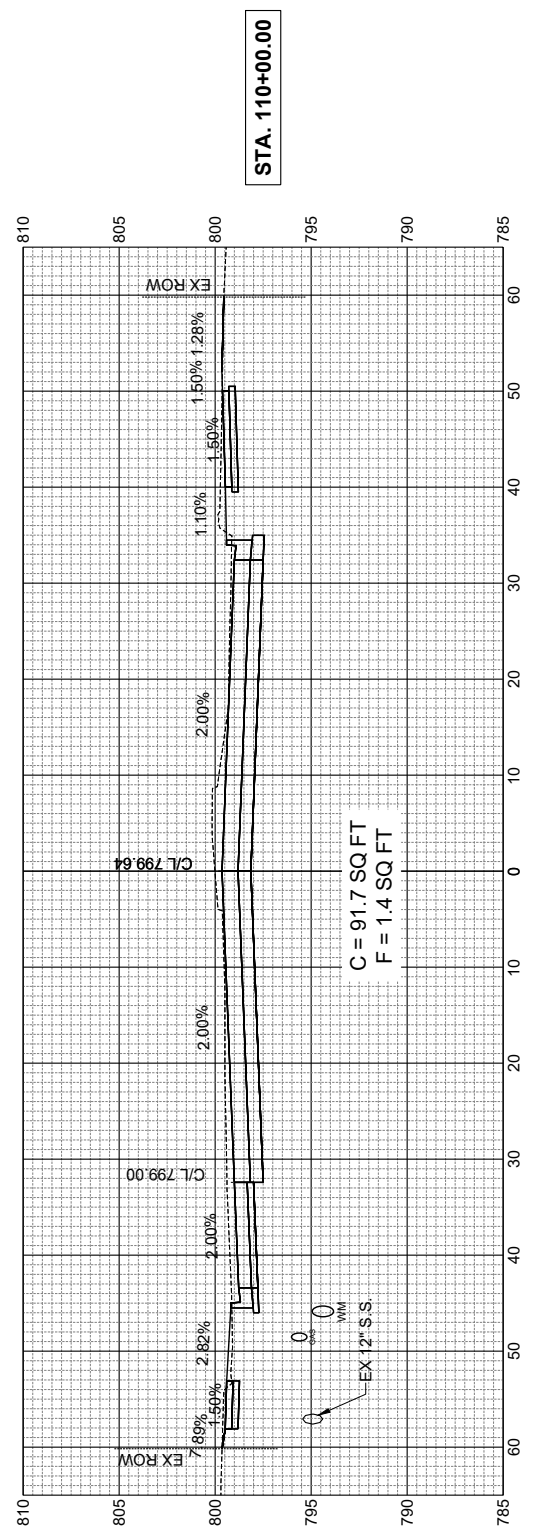
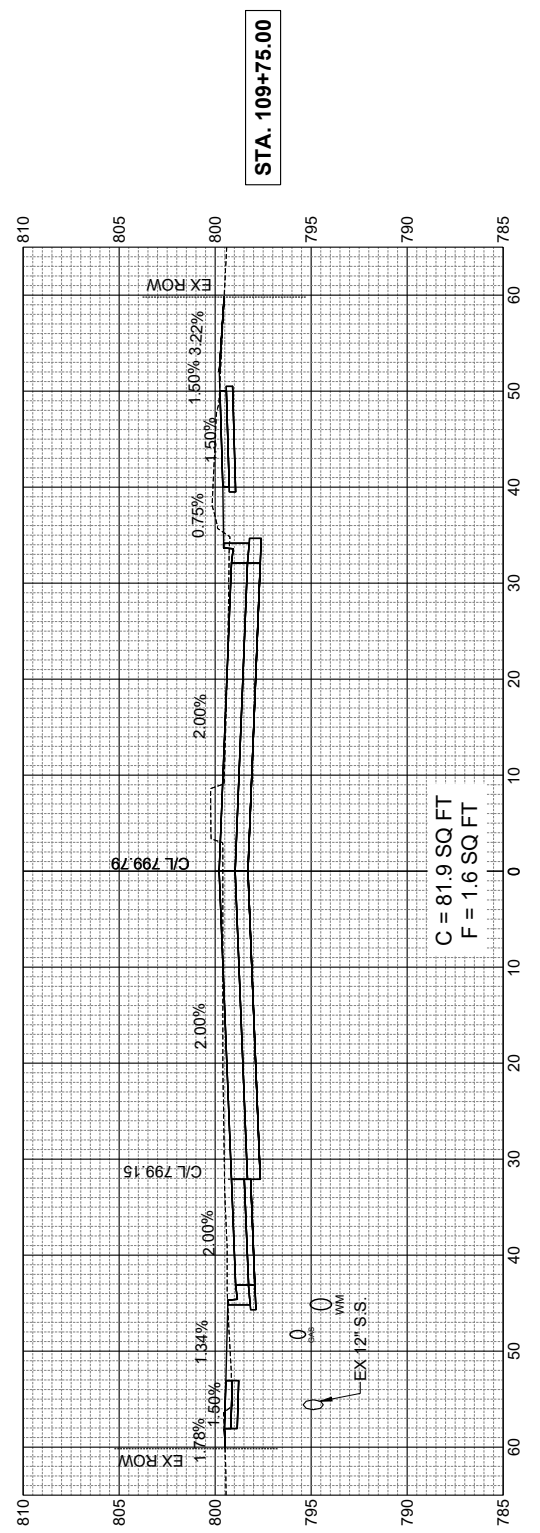
DESIGNED EAA	DATE- 10-13-23
DRAWN SRH	
CHECKED RMB	
PROJECT #: 5111.02	

**PIONEER PKWY &
N UNIVERSITY ST
RECONSTRUCTION**



PIONEER PKWY - CROSS SECTIONS (9 OF 18)

SHEET
129 OF 152

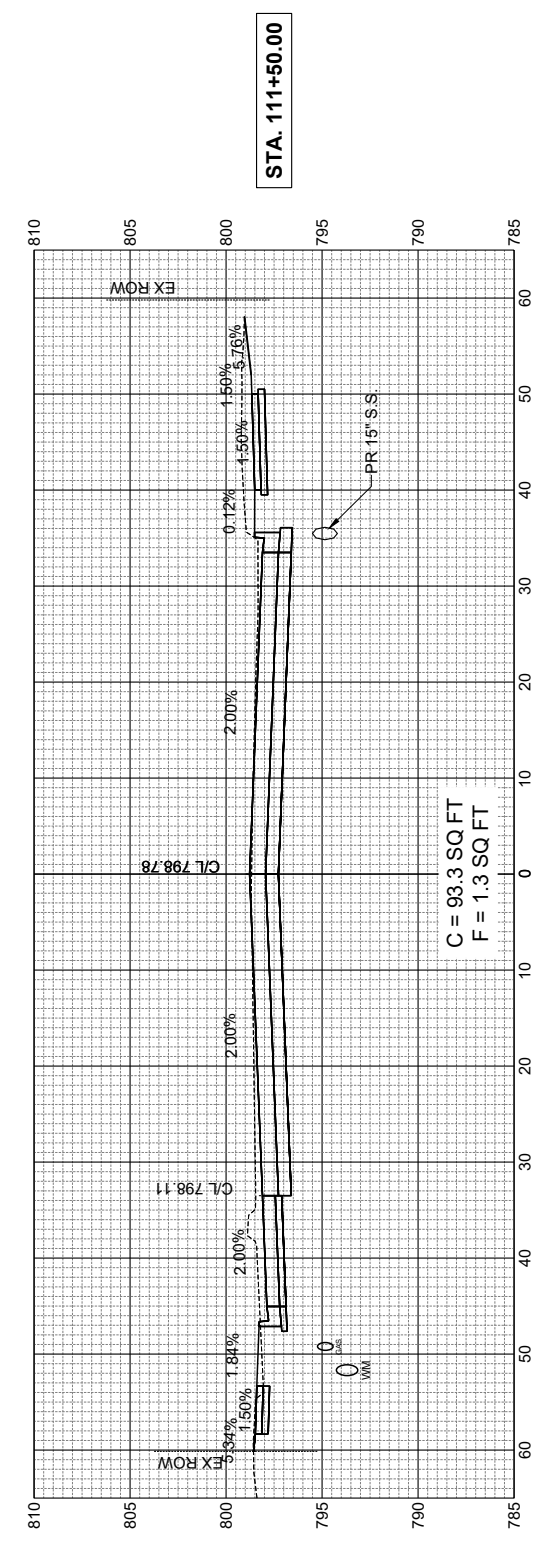
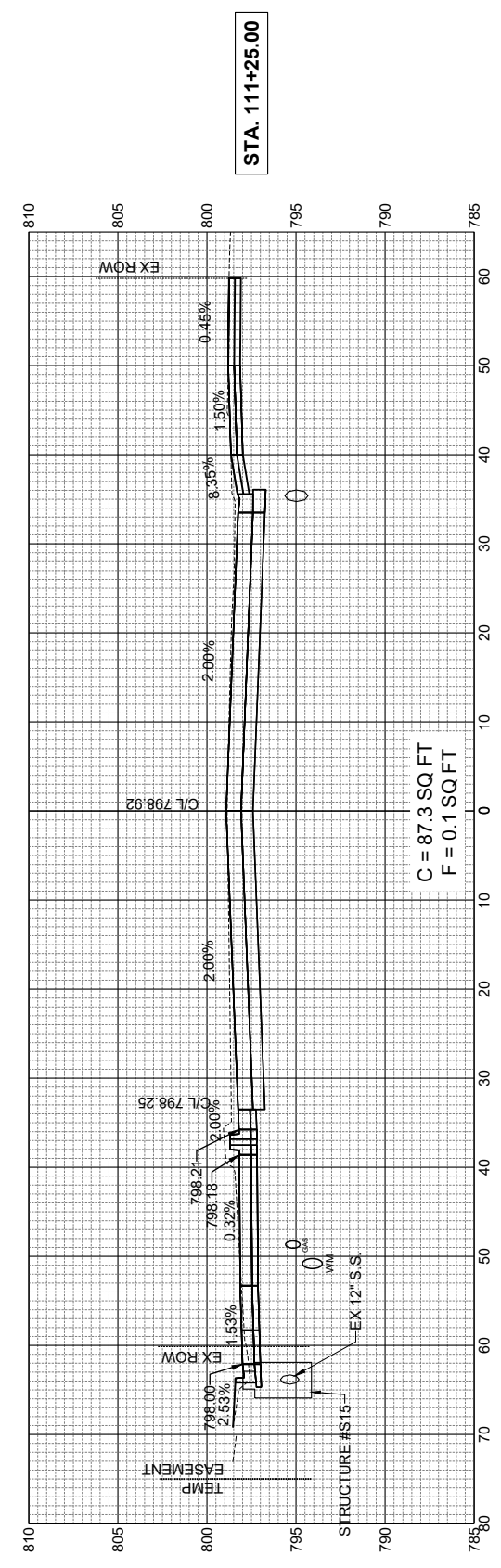
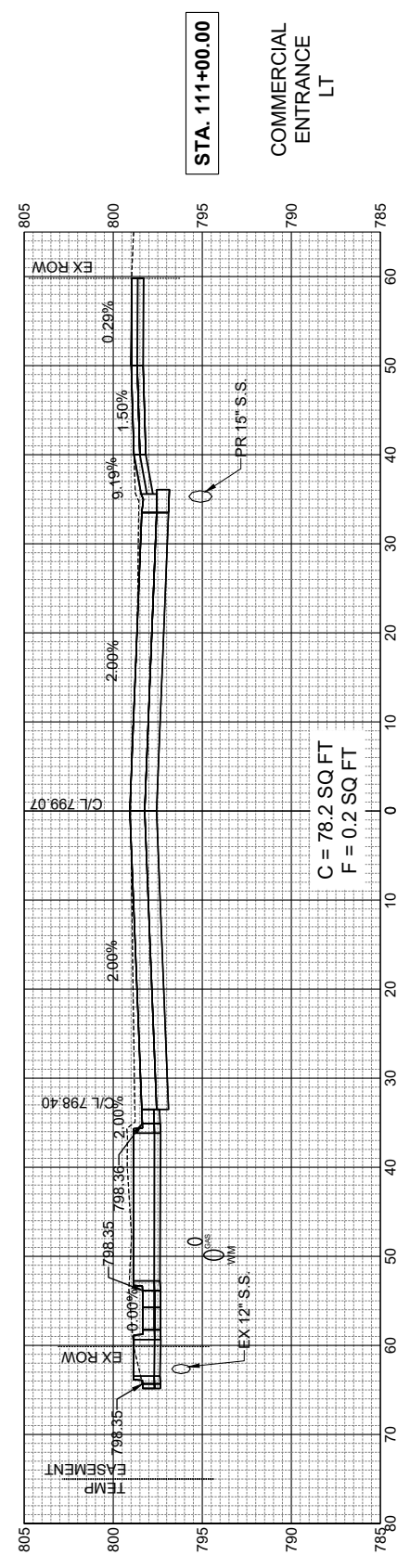
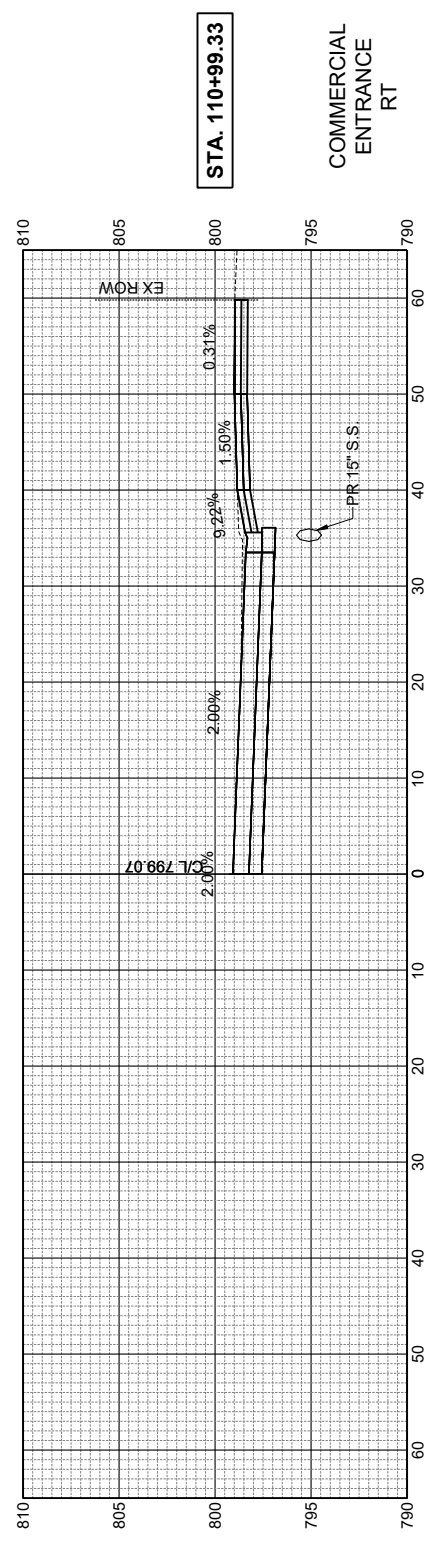


DESIGNED EAA	DATE- 10-13-23
DRAWN SRH	
CHECKED RMB	
PROJECT #: 5111.02	

PIONEER PKWY & N UNIVERSITY ST RECONSTRUCTION



PIONEER PKWY - CROSS SECTIONS (10 OF 18)



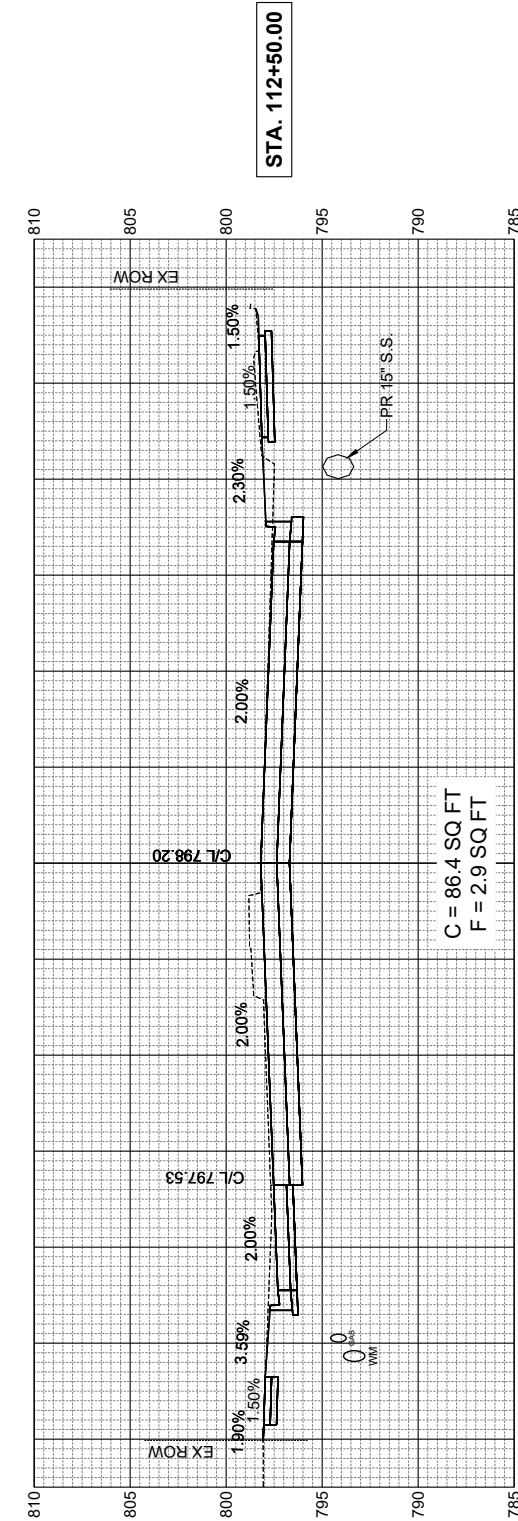
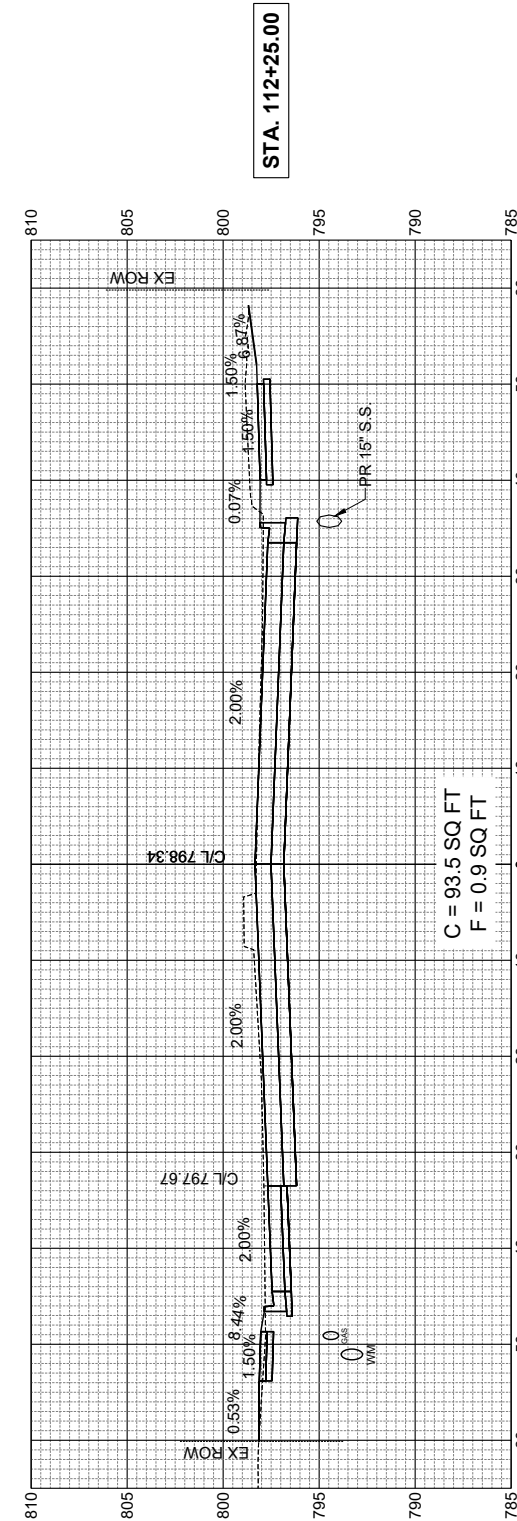
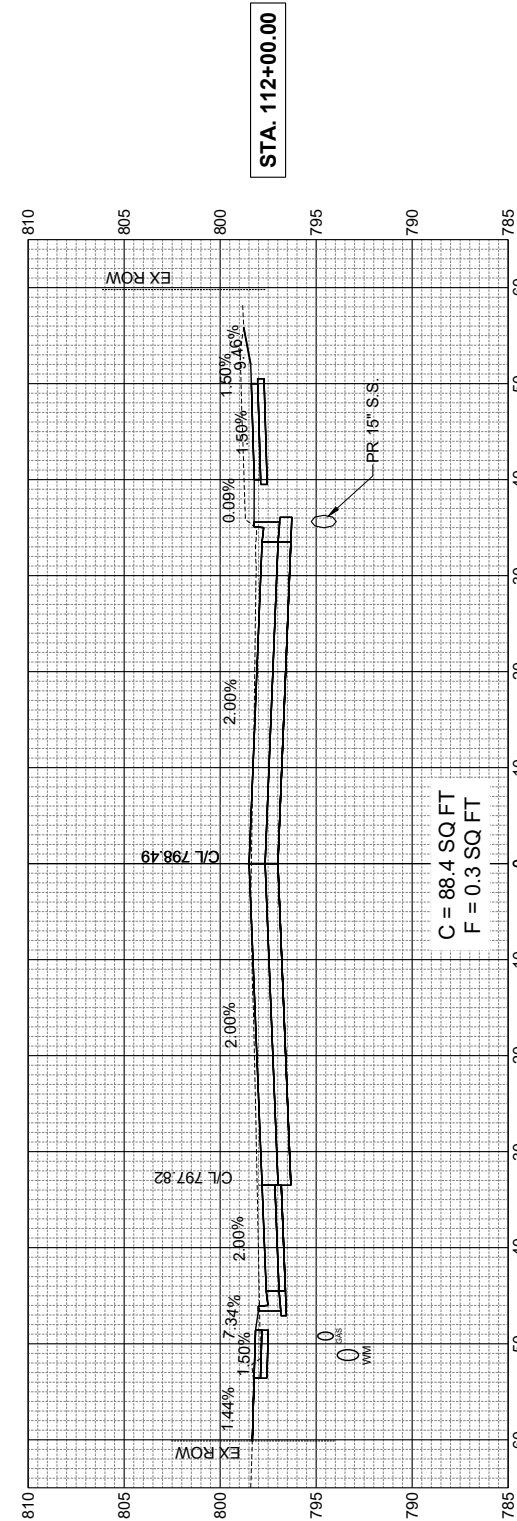
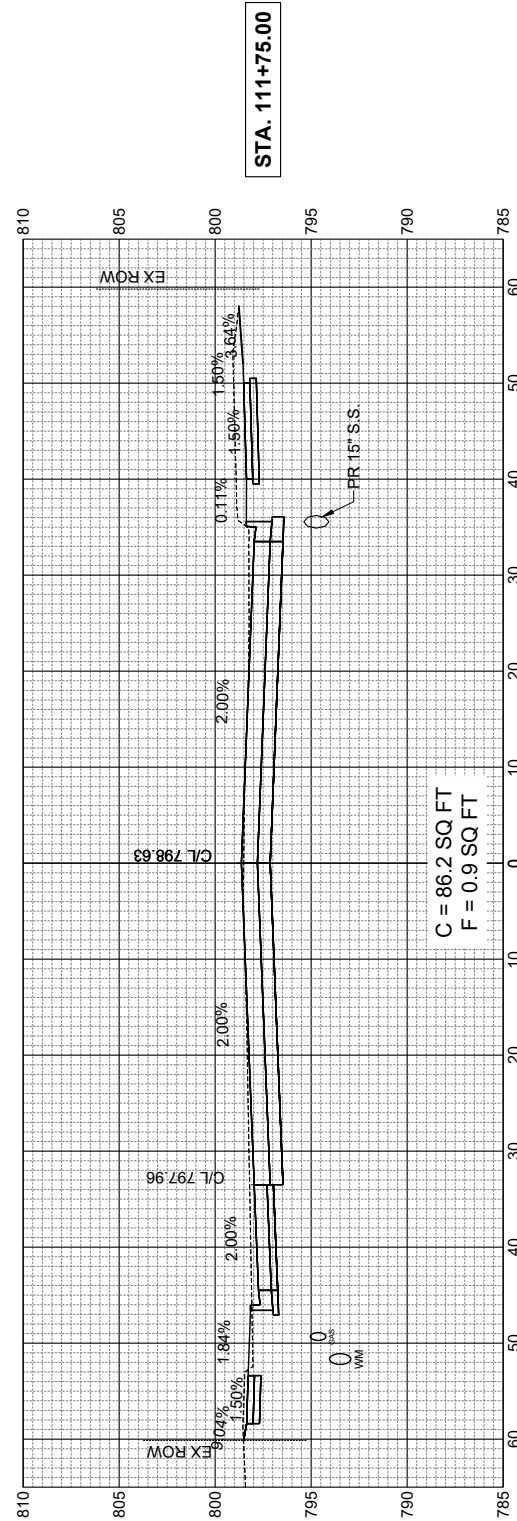
DESIGNED EAA DATE - 10-13-23
DRAWN SRH
CHECKED RMB
PROJECT #: 5111.02

PIONEER PKWY & N UNIVERSITY ST RECONSTRUCTION

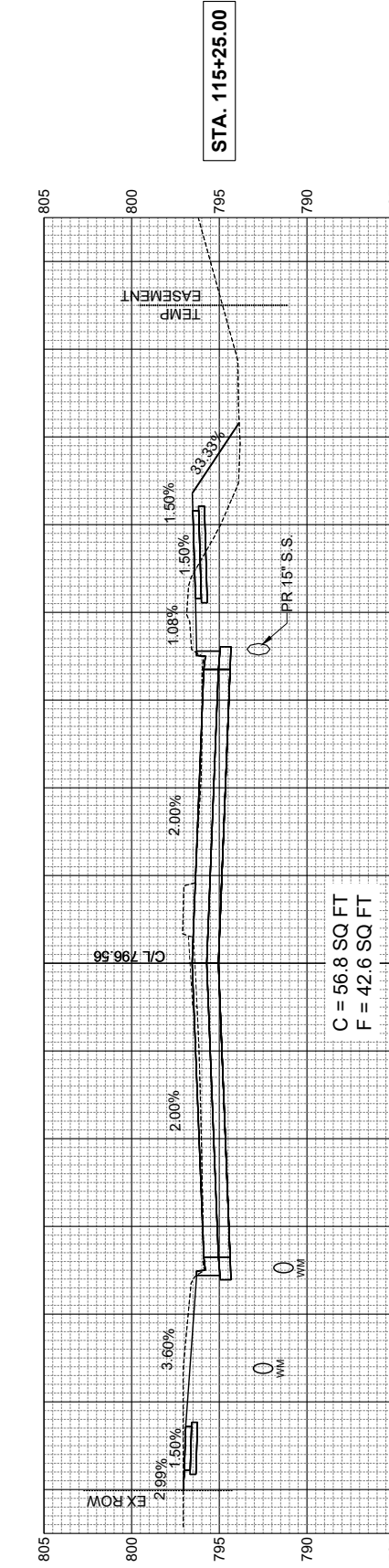
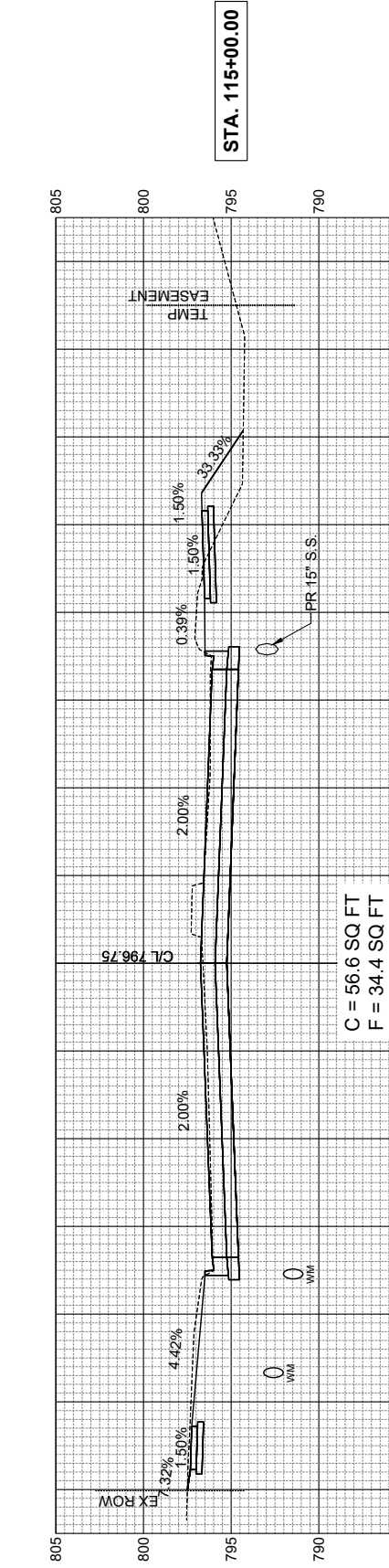
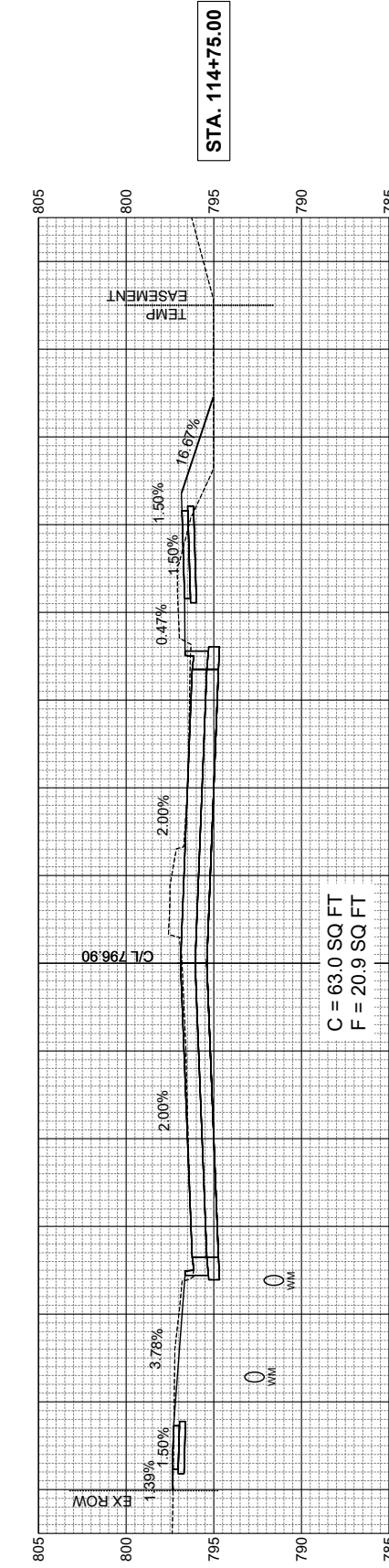
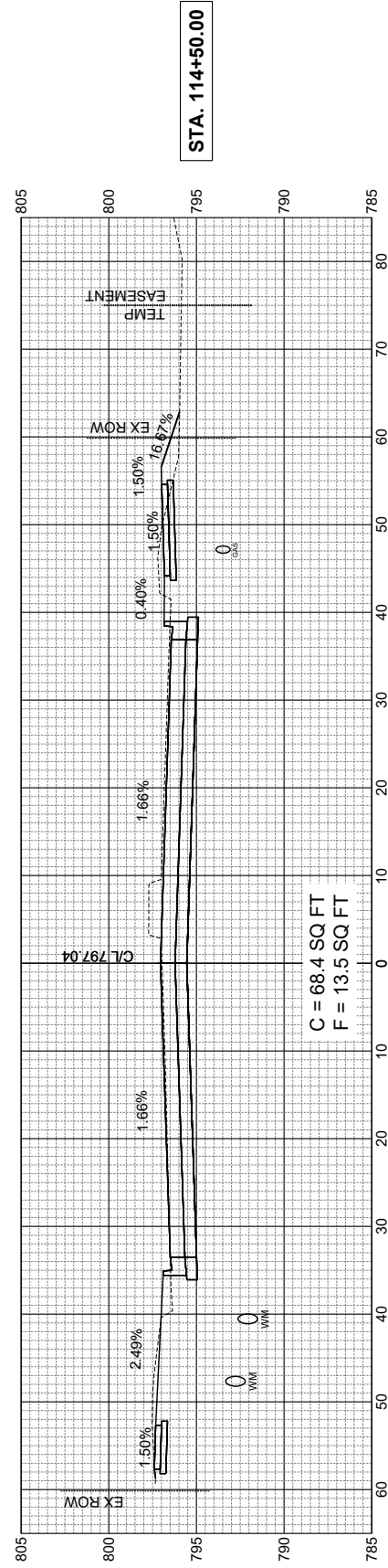


PIONEER PKWY - CROSS SECTIONS (11 OF 18)

SHEET 131 OF 152



SEE INTERSECTION LAYOUT DETAILS

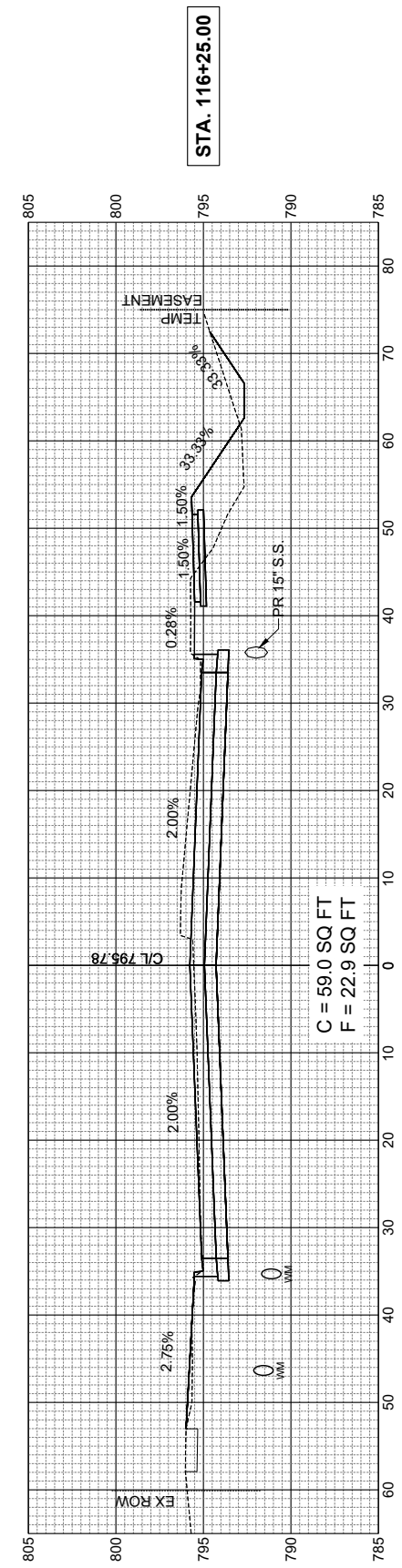
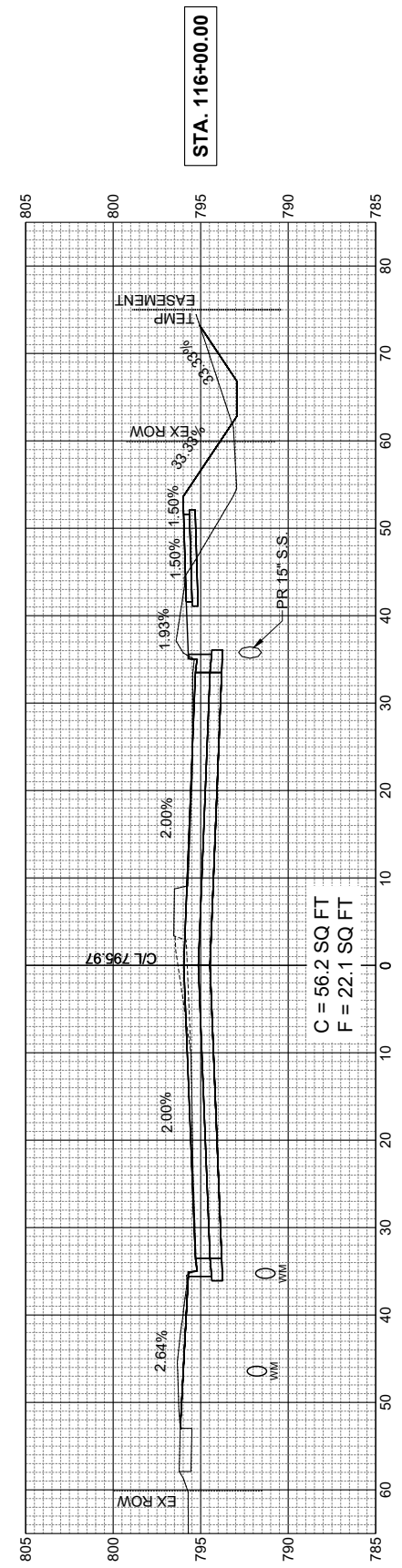
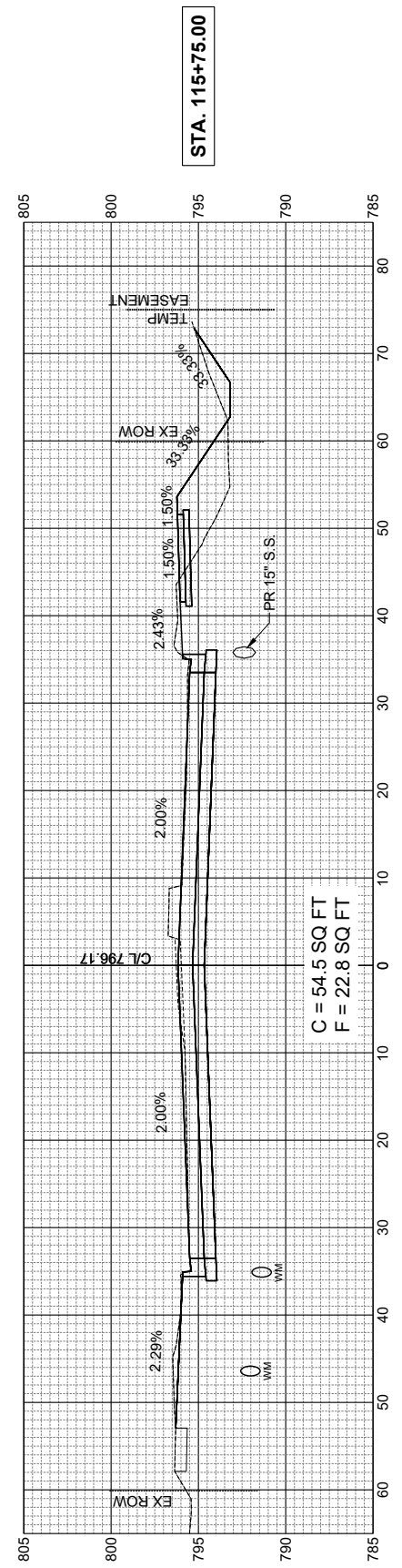
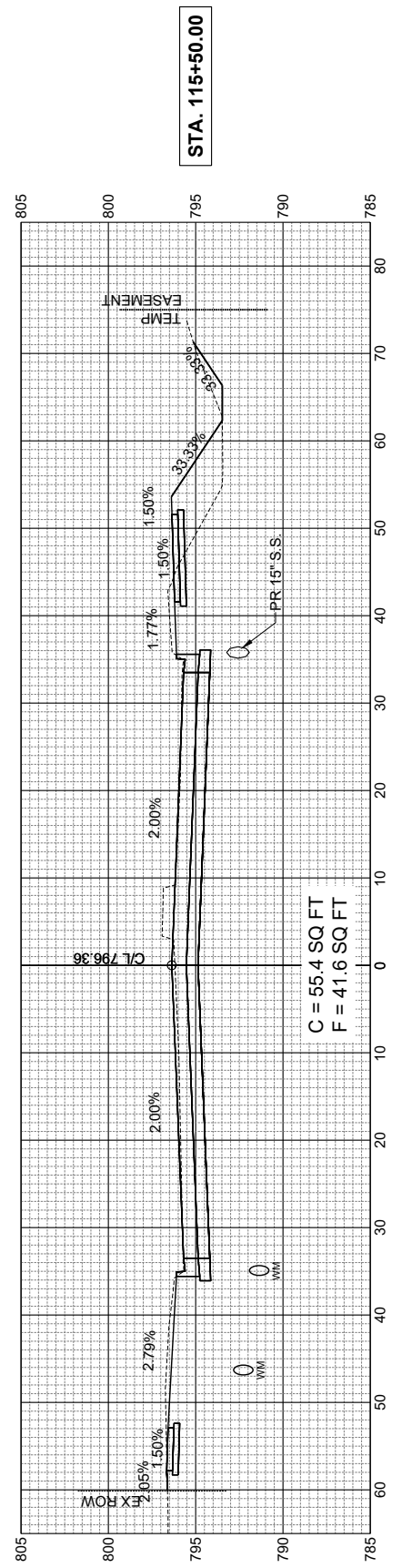


DESIGNED	EAA	DATE	10-13-23
DRAWN	SRH		
CHECKED	RMB		
PROJECT #:	5111.02		

PIONEER PKWY & N UNIVERSITY ST RECONSTRUCTION



PIONEER PKWY - CROSS SECTIONS (13 OF 18)



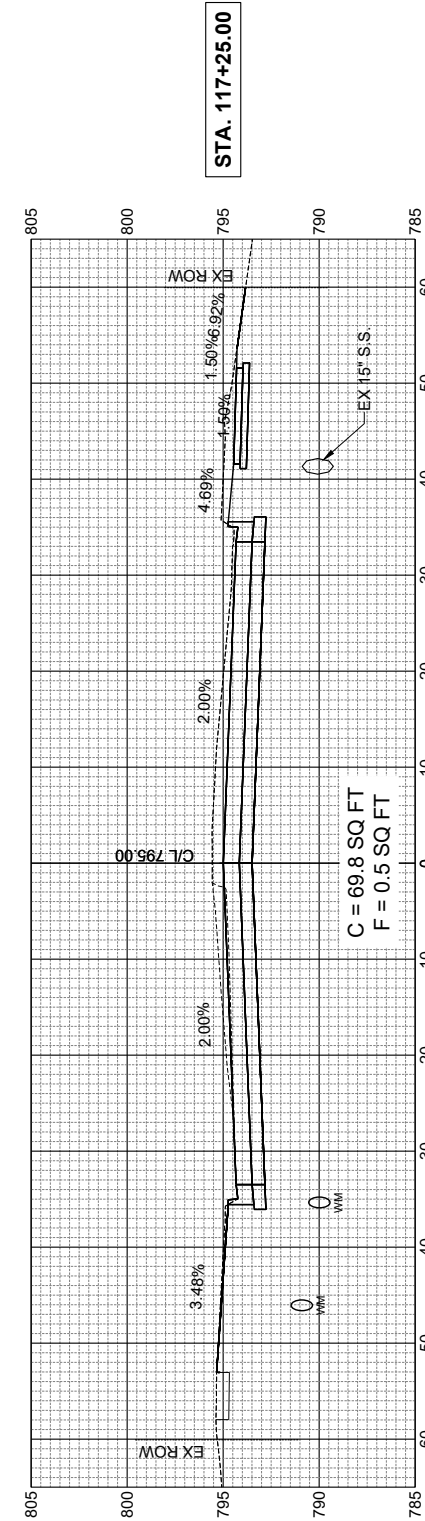
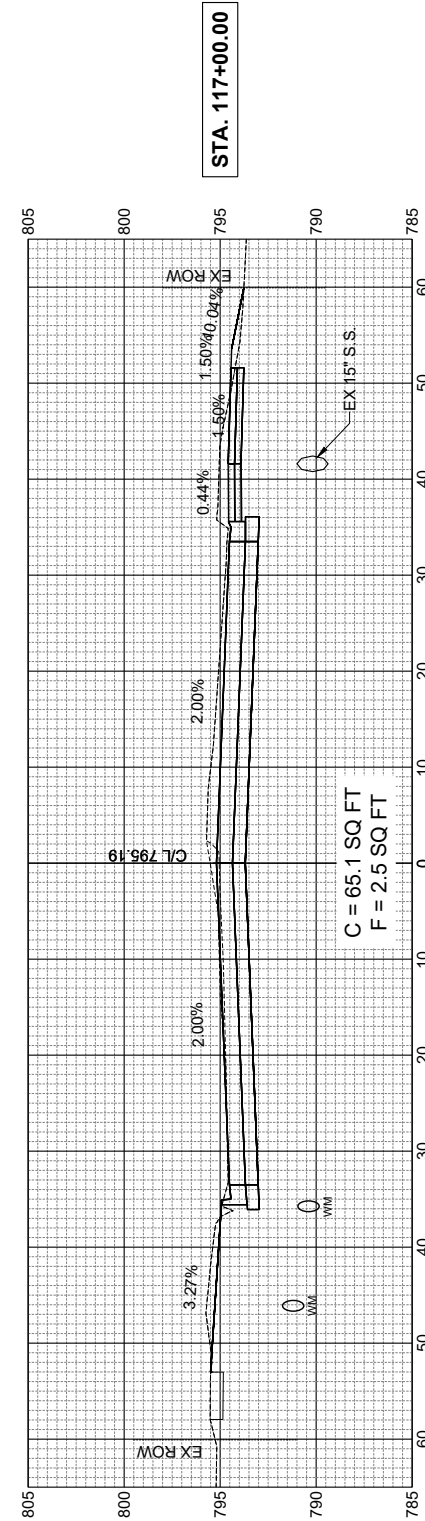
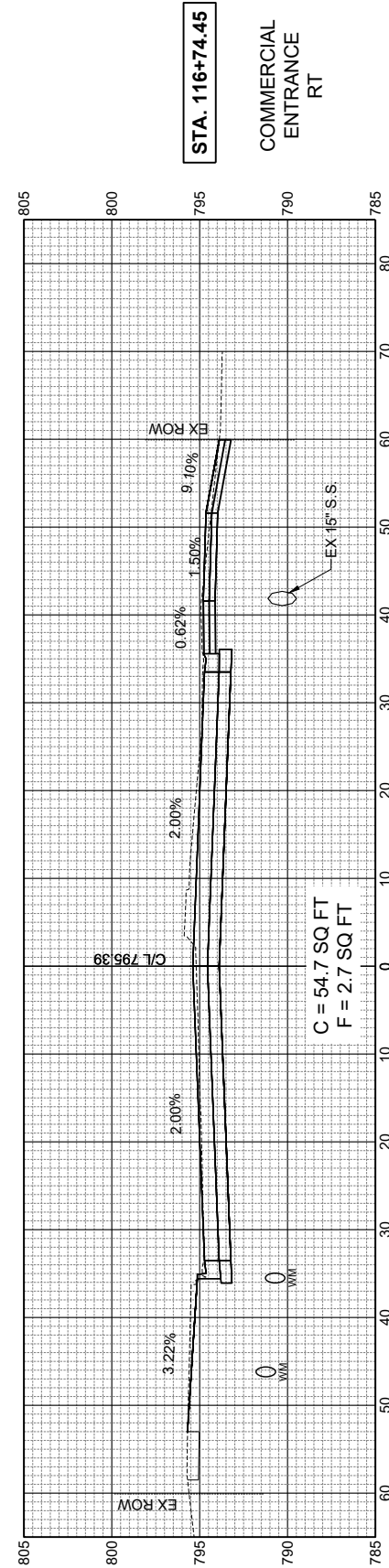
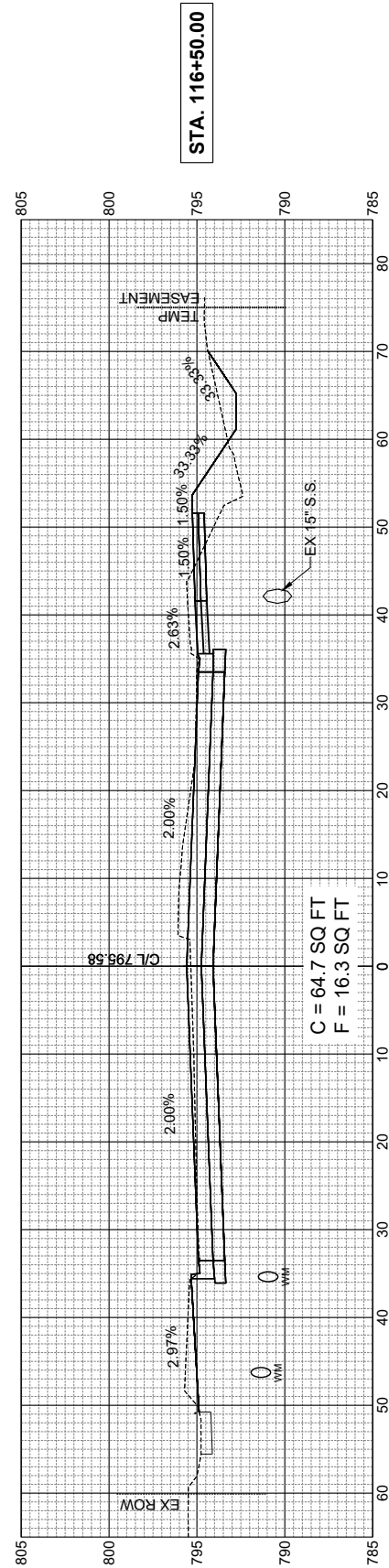
DESIGNED	EAA	DATE-	10-13-23
DRAWN	SRH		
CHECKED	RMB		
PROJECT #:	5111.02		

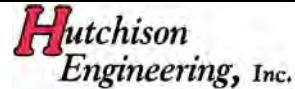
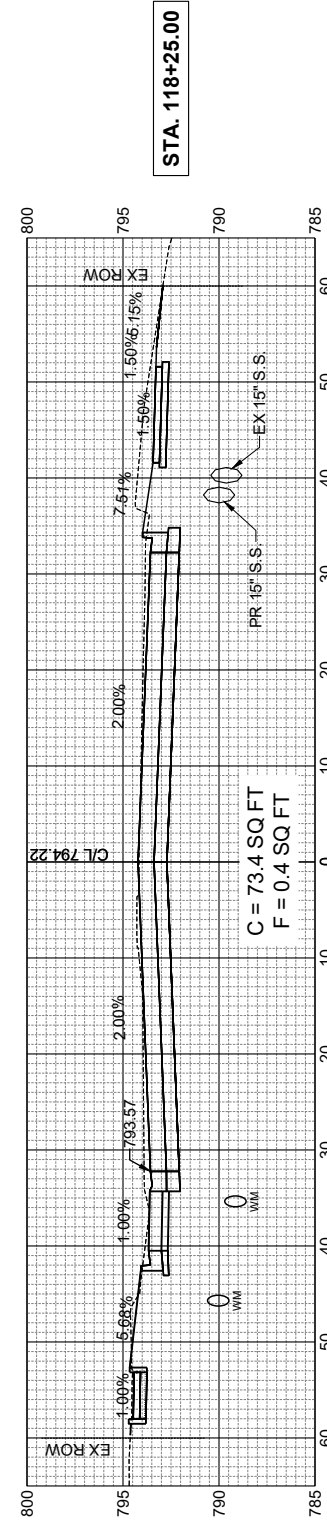
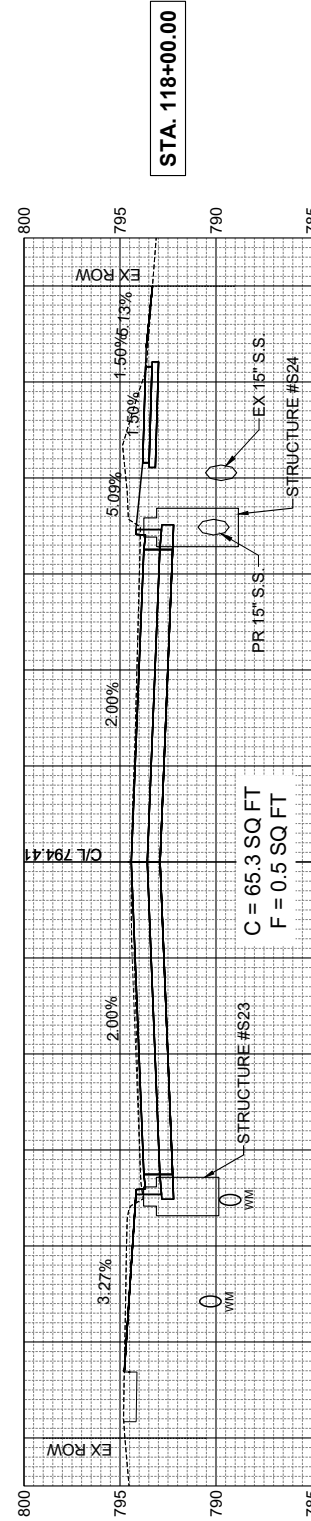
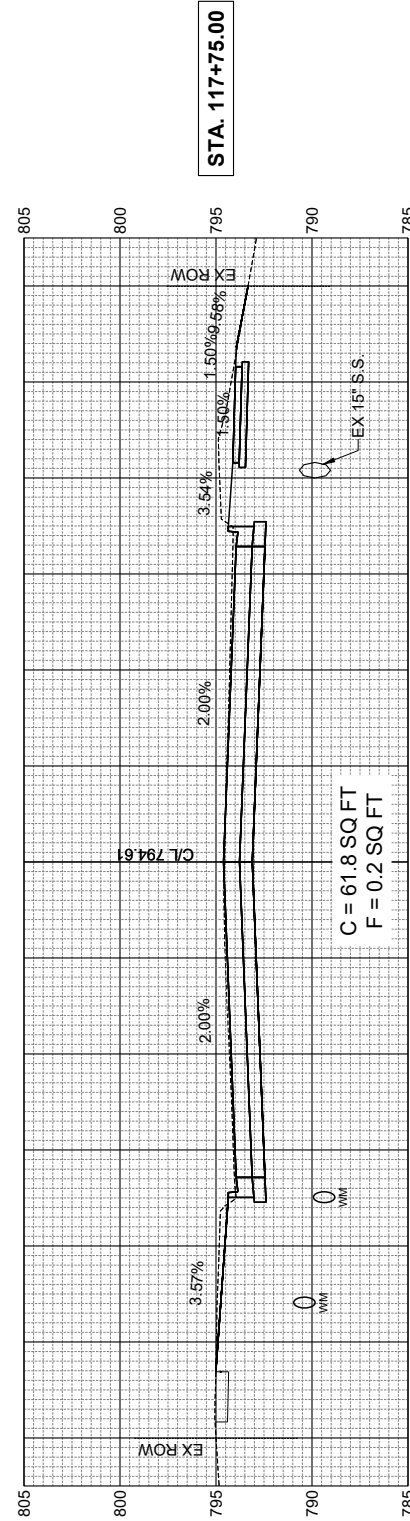
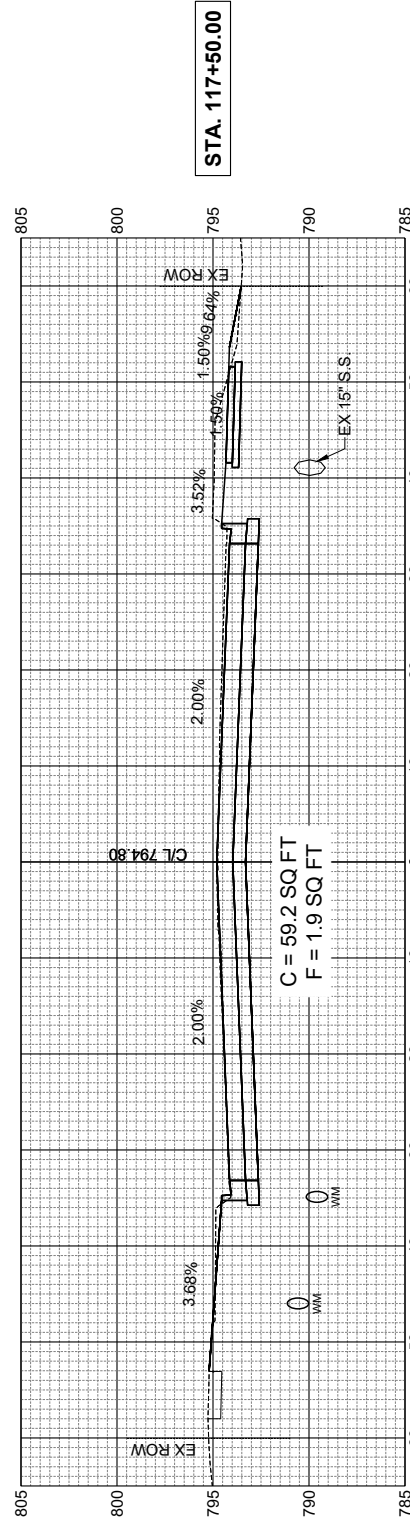
**PIONEER PKWY &
N UNIVERSITY ST
RECONSTRUCTION**



PIONEER PKWY - CROSS SECTIONS (14 OF 18)

**SHEET
134 OF 152**





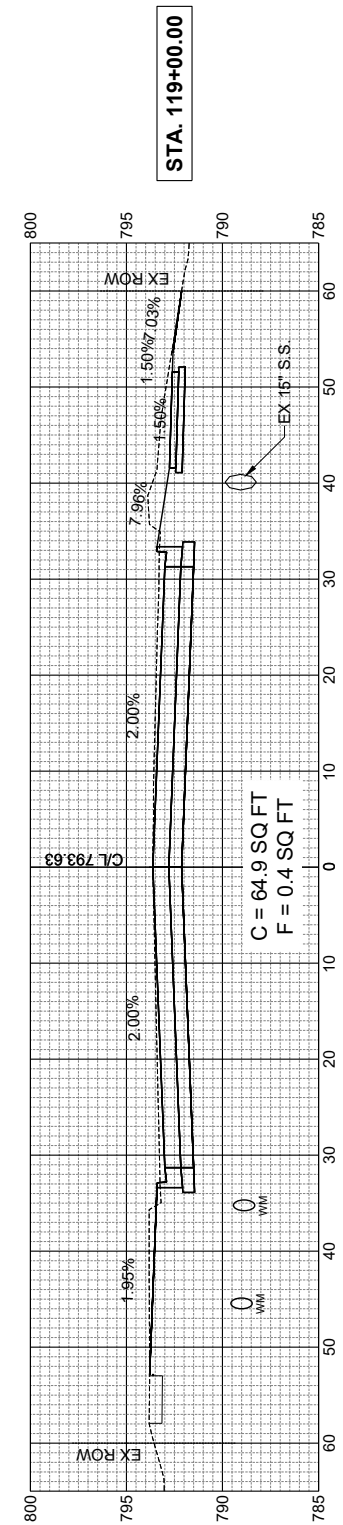
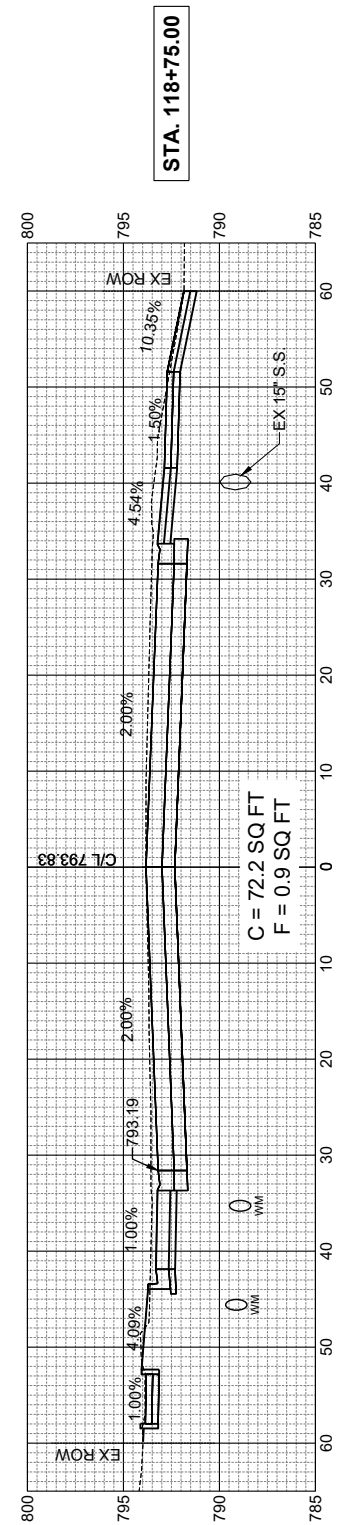
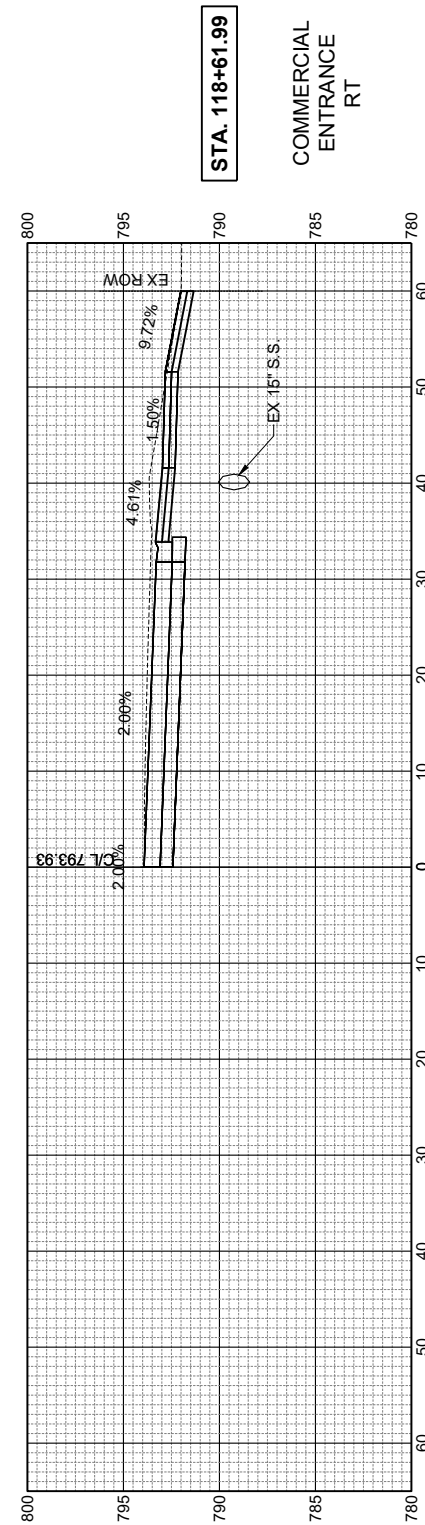
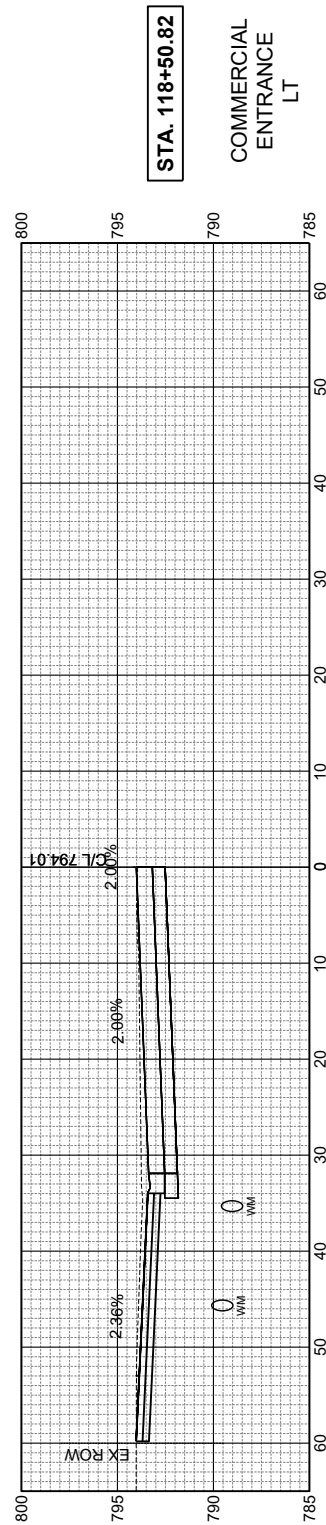
DESIGNED EAA DATE - 10-13-23
 DRAWN SRH
 CHECKED RMB
 PROJECT #: 5111.02

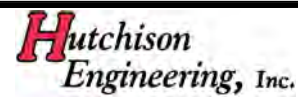
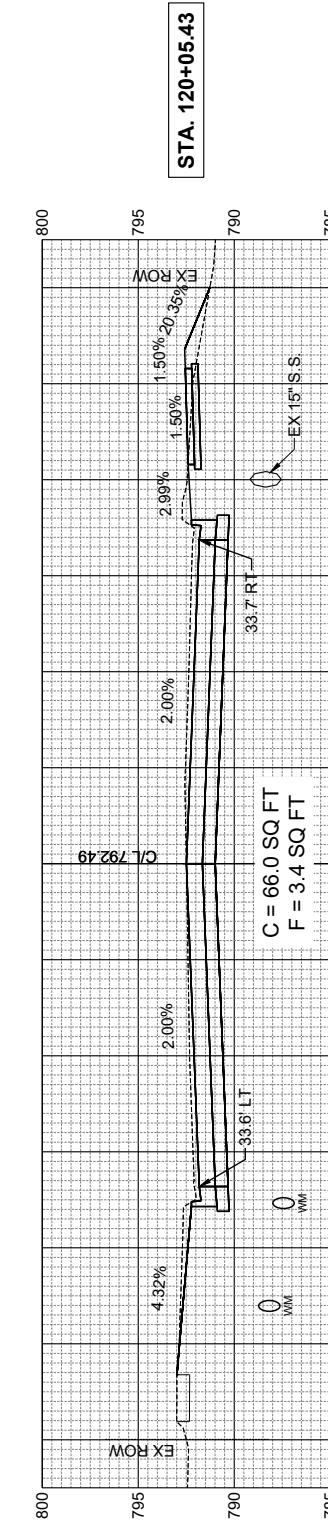
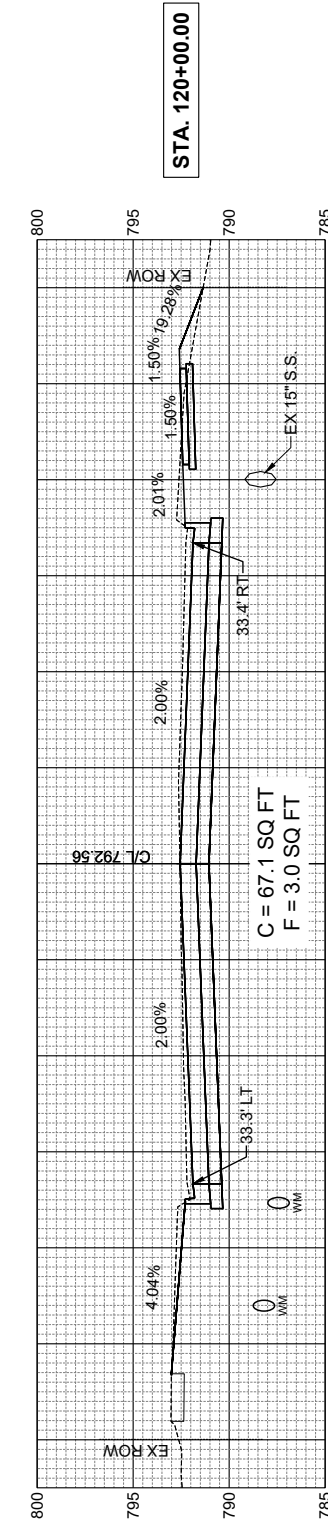
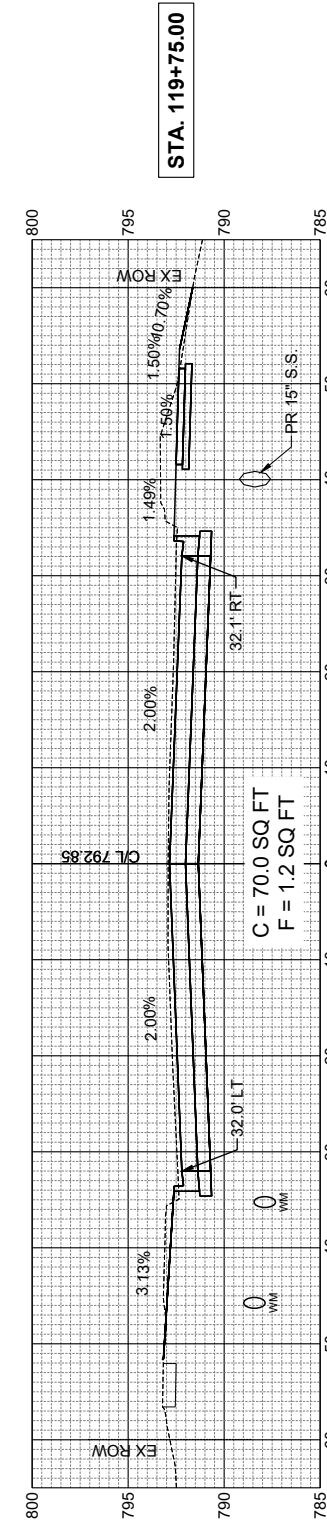
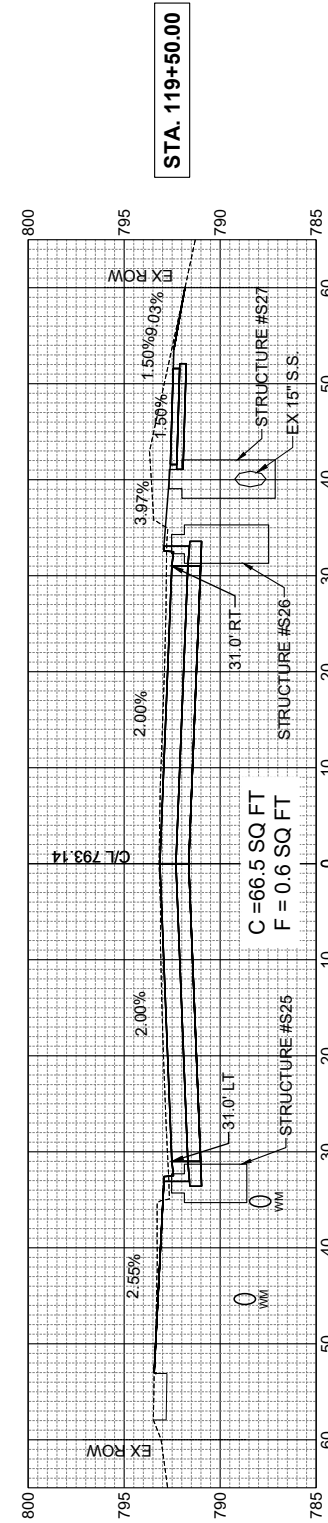
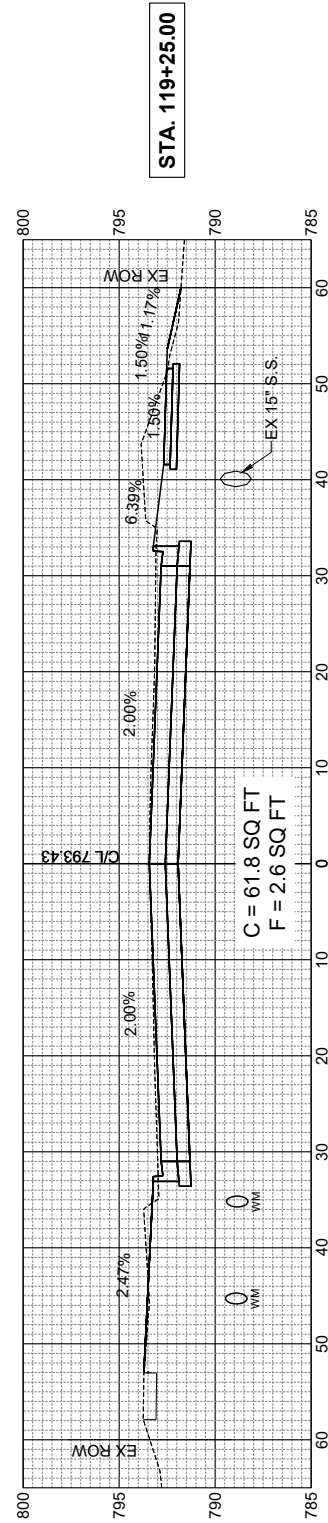
**PIONEER PKWY &
 N UNIVERSITY ST
 RECONSTRUCTION**



PIONEER PKWY - CROSS SECTIONS (16 OF 18)

SHEET
136 OF 152





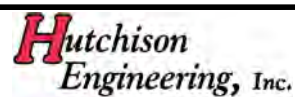
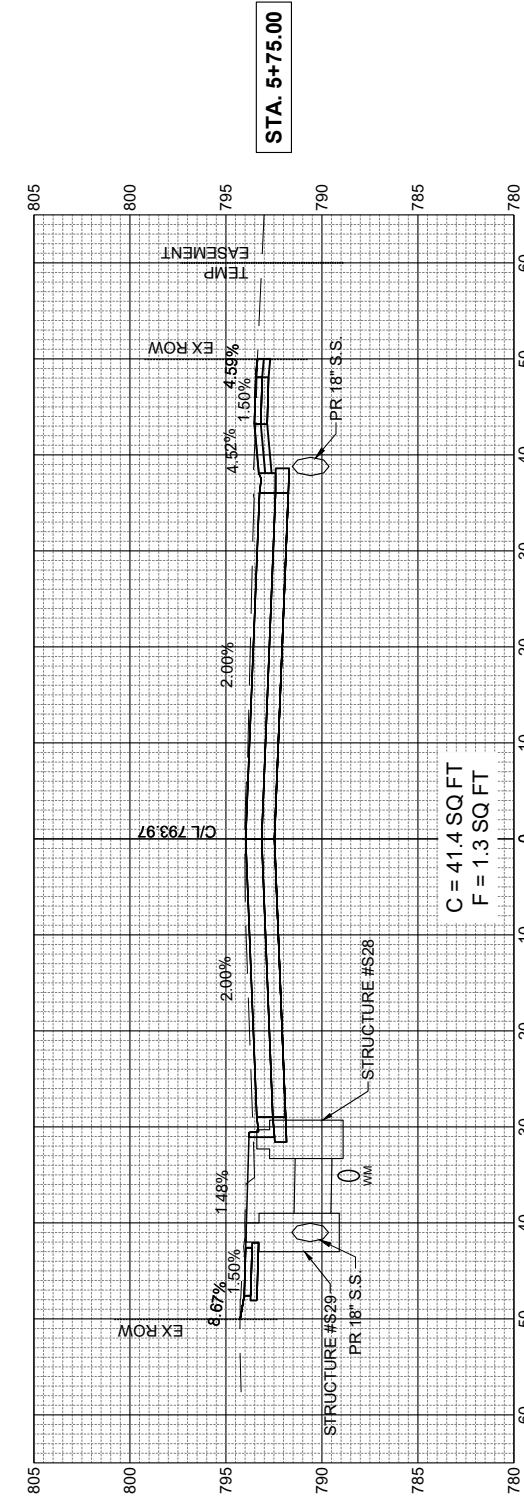
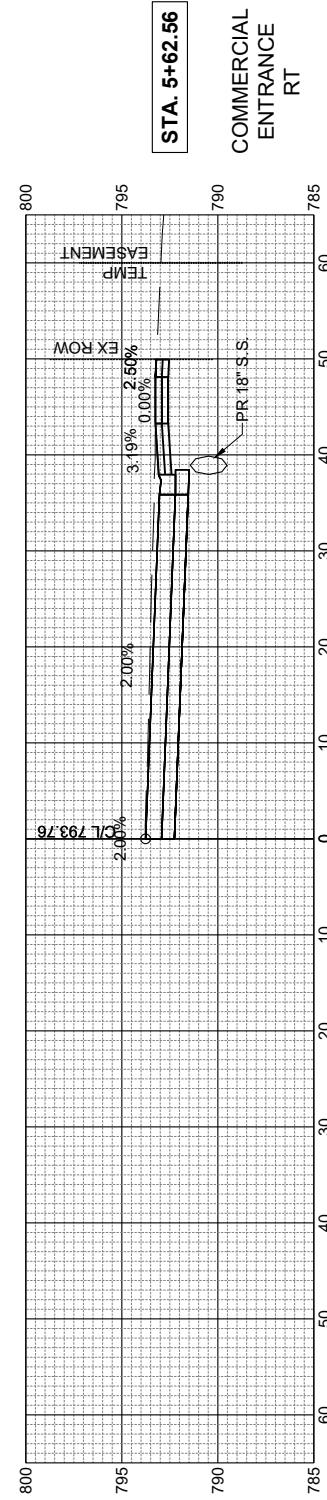
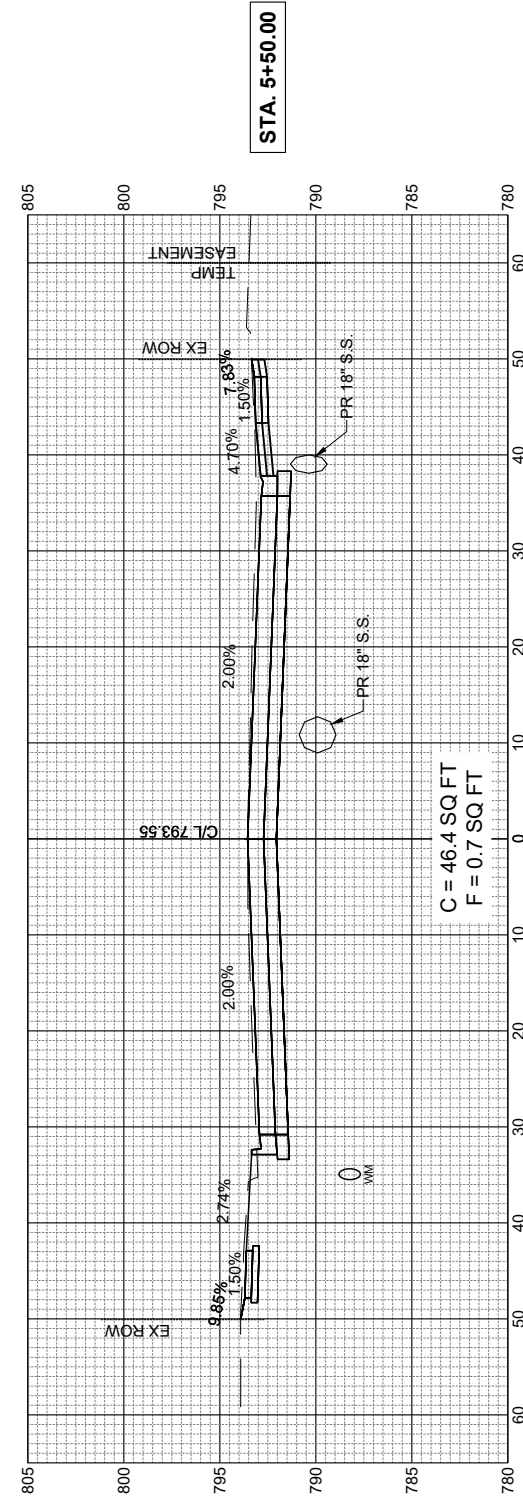
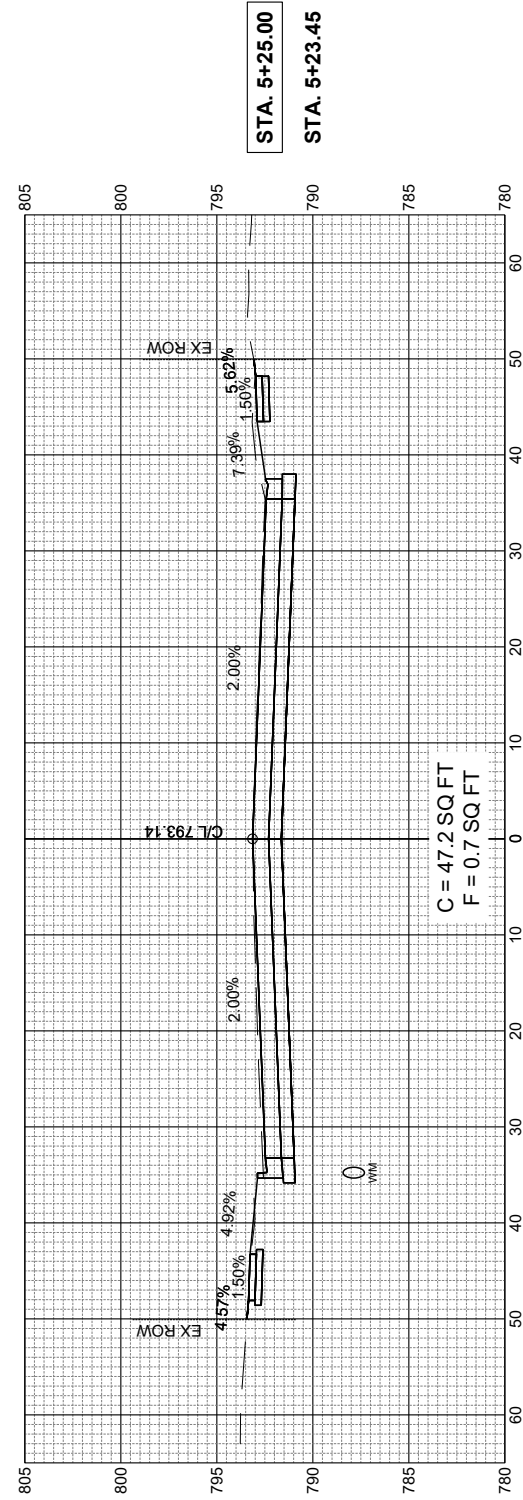
DESIGNED EAA DATE - 10-13-23
 DRAWN SRH
 CHECKED RMB
 PROJECT #: 5111.02

**PIONEER PKWY &
 N UNIVERSITY ST
 RECONSTRUCTION**



PIONEER PKWY - CROSS SECTIONS (18 OF 18)

SHEET
138 OF 152



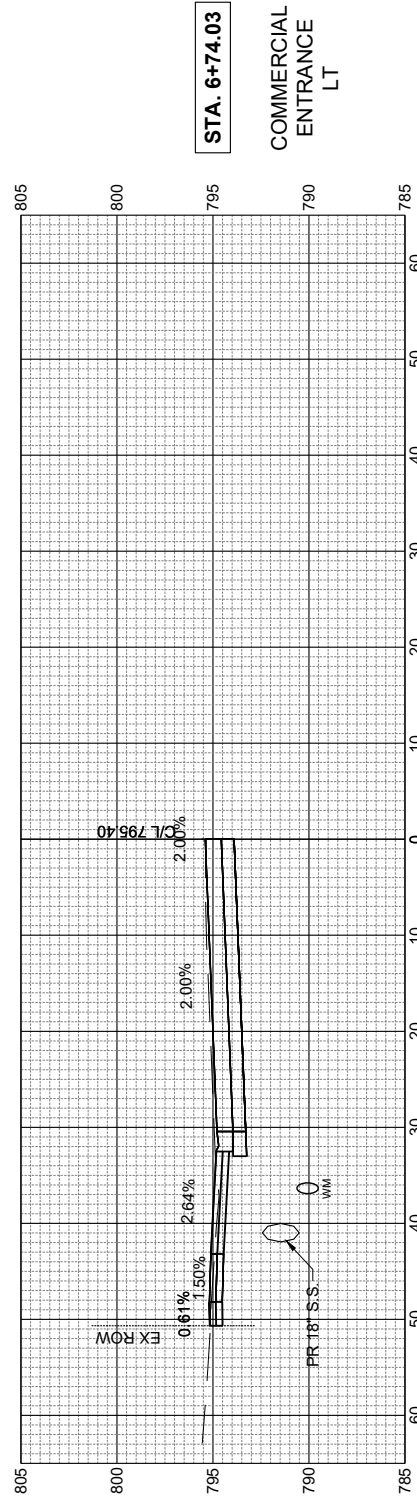
DESIGNED EAA DATE - 10-13-23
 DRAWN SRH
 CHECKED RMB
 PROJECT #: 5111.02

**PIONEER PKWY &
 N UNIVERSITY ST
 RECONSTRUCTION**



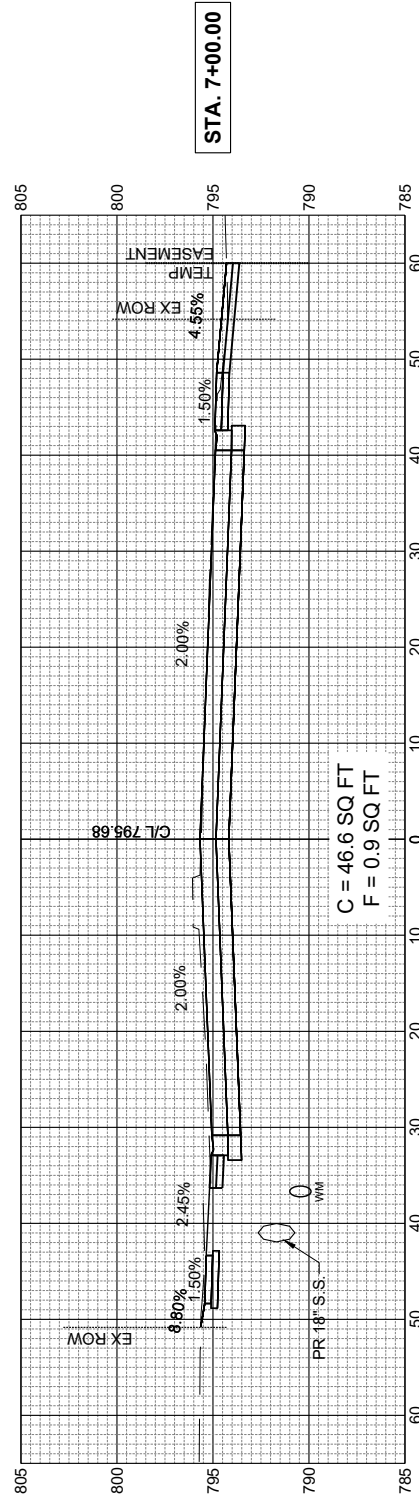
N UNIVERSITY ST - CROSS SECTIONS (1 OF 6)

SHEET
139 OF 152



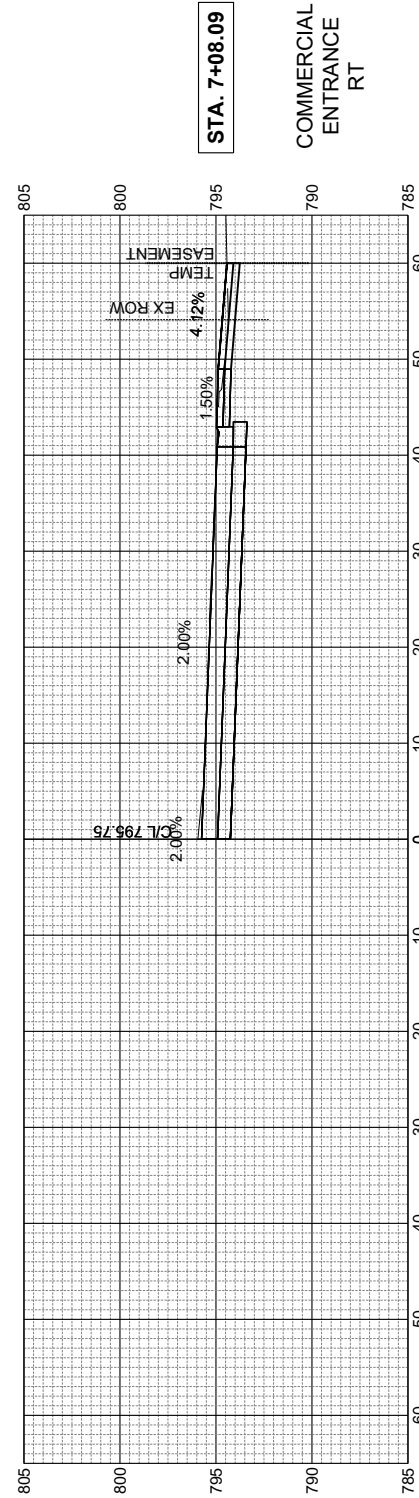
STA. 6+74.03

COMMERCIAL
ENTRANCE
LT



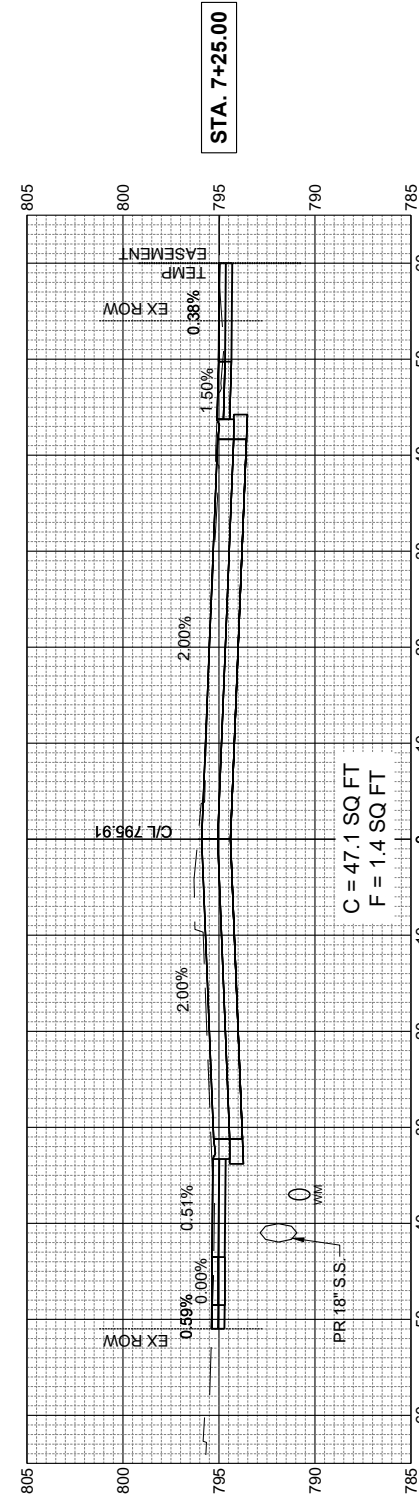
STA. 7+00.00

C = 46.6 SQ FT
F = 0.9 SQ FT



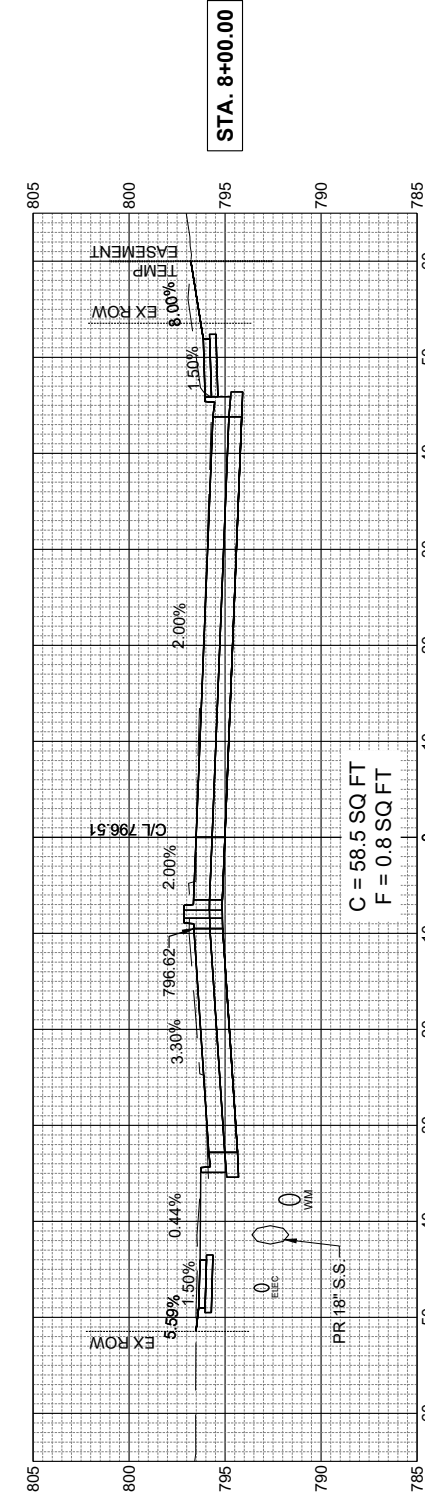
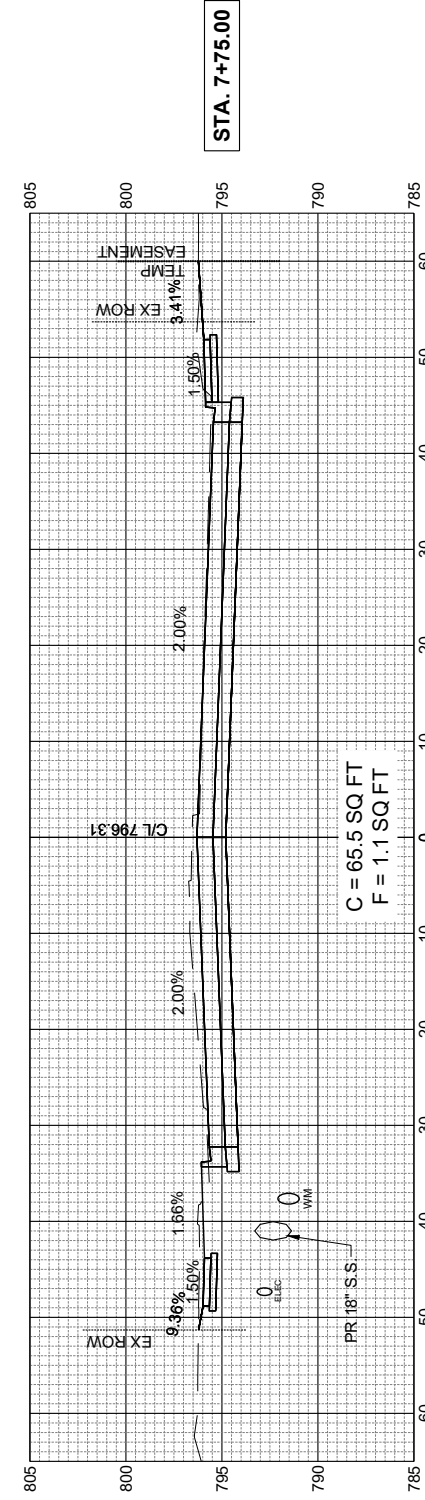
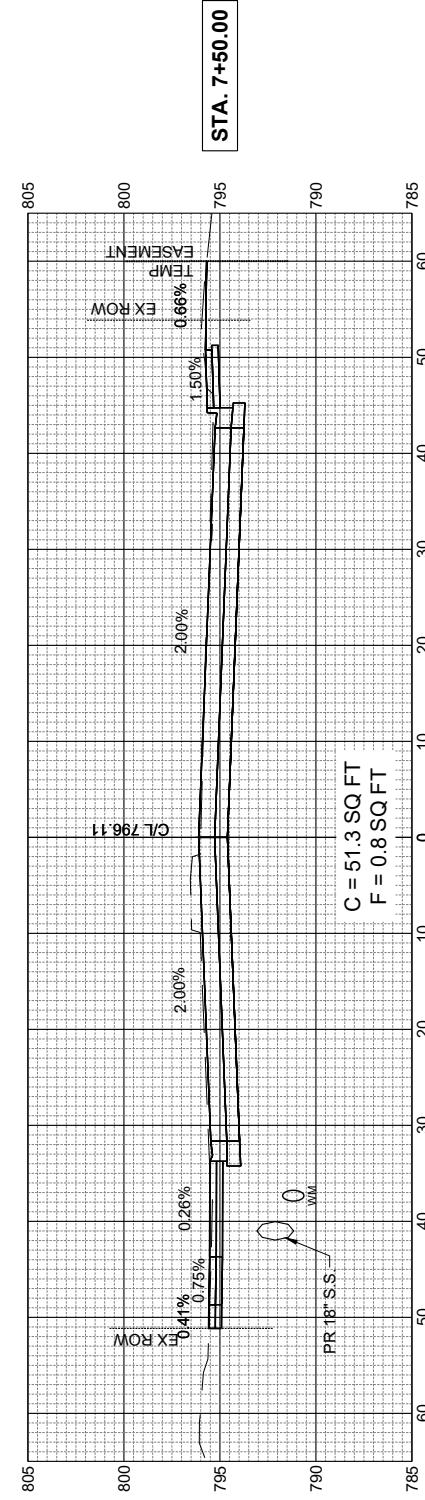
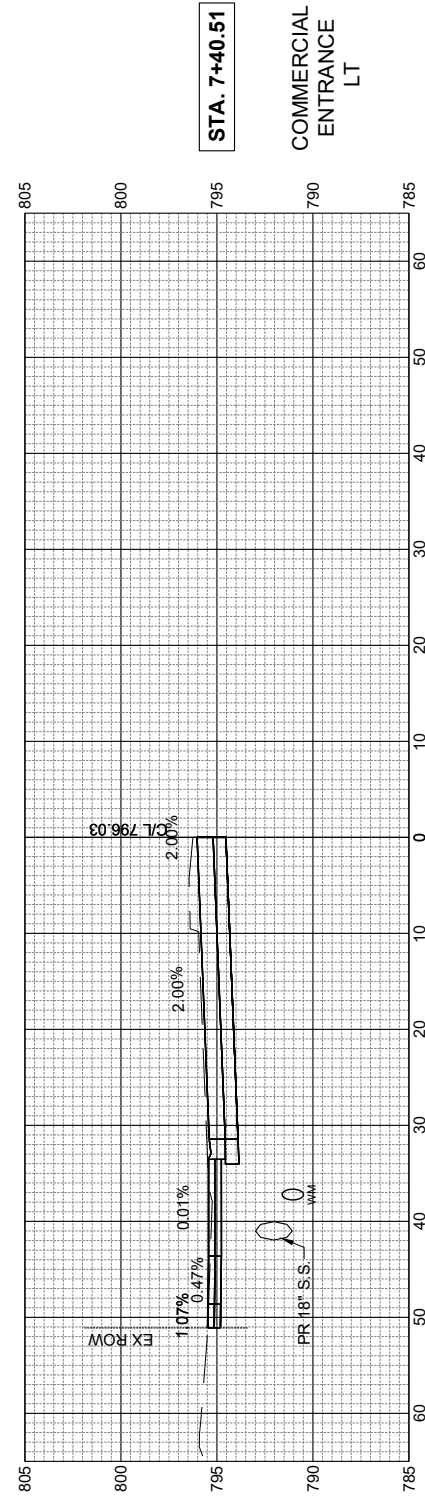
STA. 7+08.09

COMMERCIAL
ENTRANCE
RT



STA. 7+25.00

C = 47.1 SQ FT
F = 1.4 SQ FT



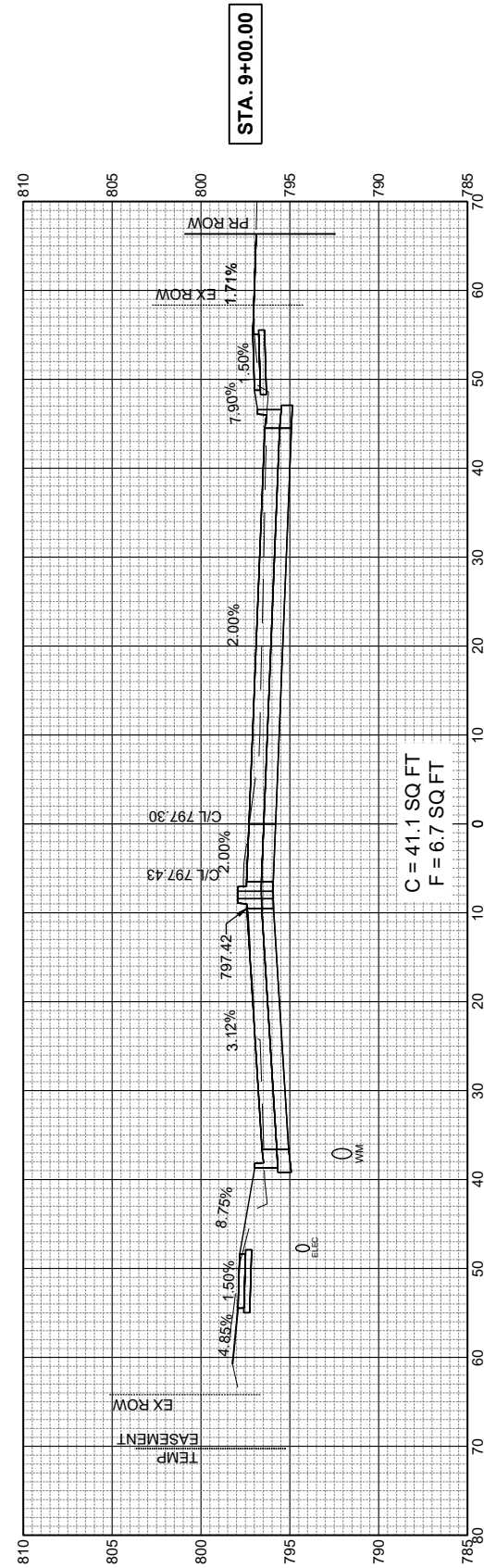
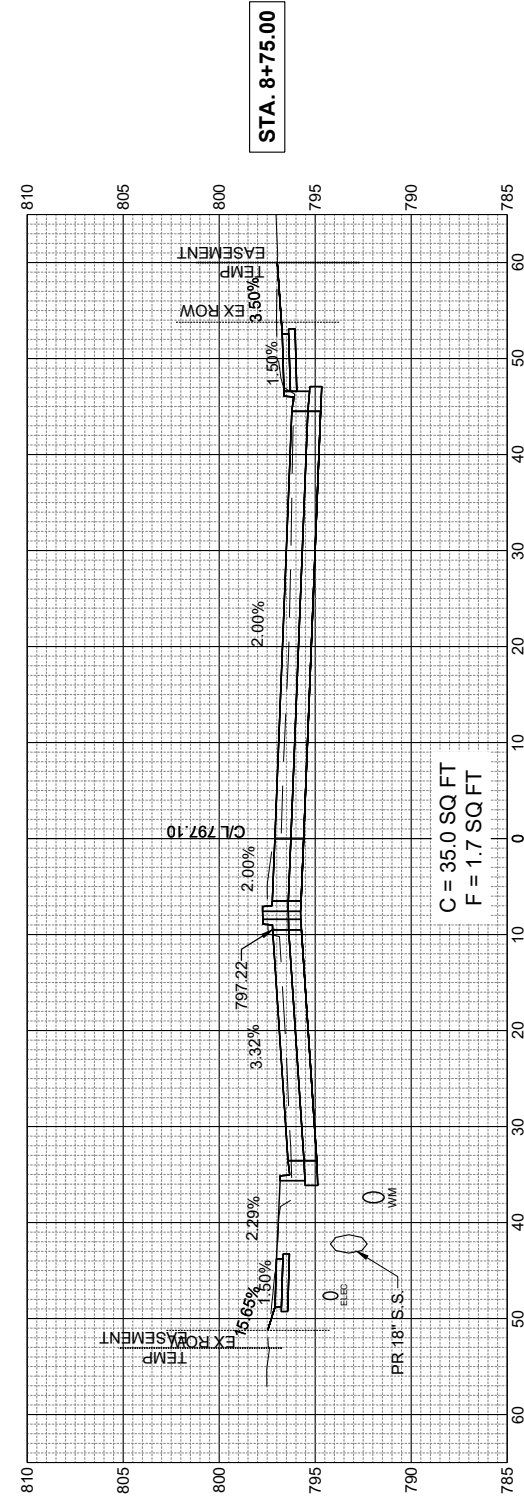
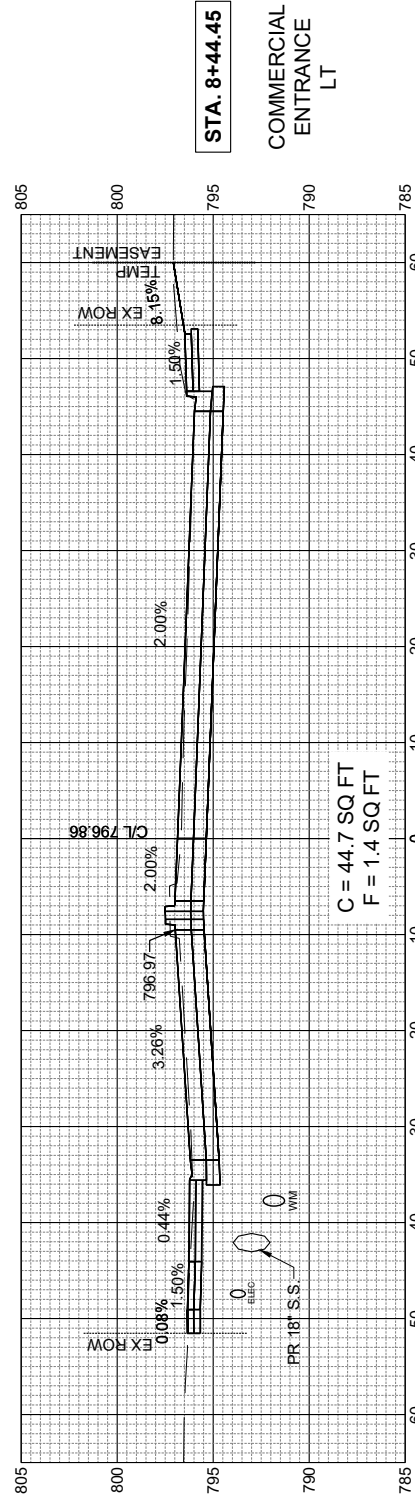
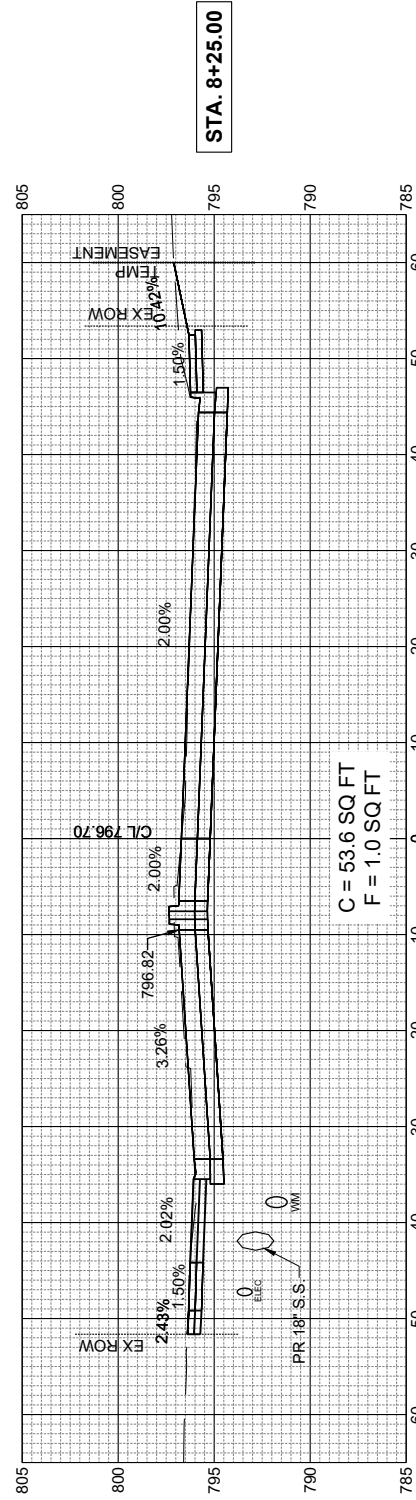
DESIGNED	EAA	DATE-	10-13-23
DRAWN	SRH		
CHECKED	RMB		
PROJECT #:	5111.02		

**PIONEER PKWY &
N UNIVERSITY ST
RECONSTRUCTION**

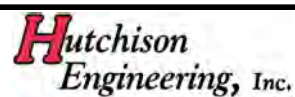
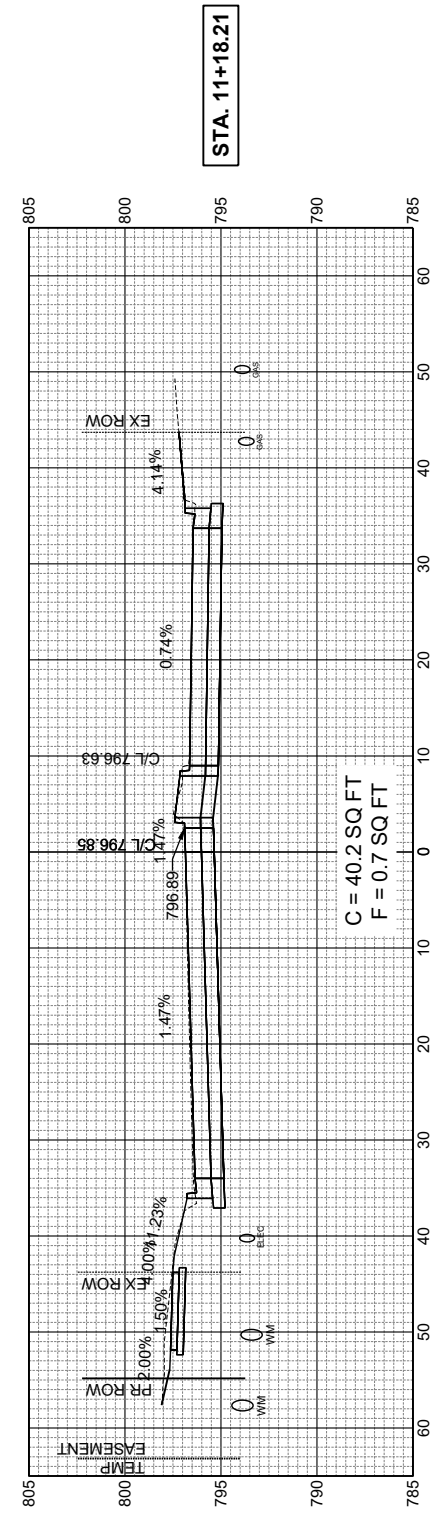
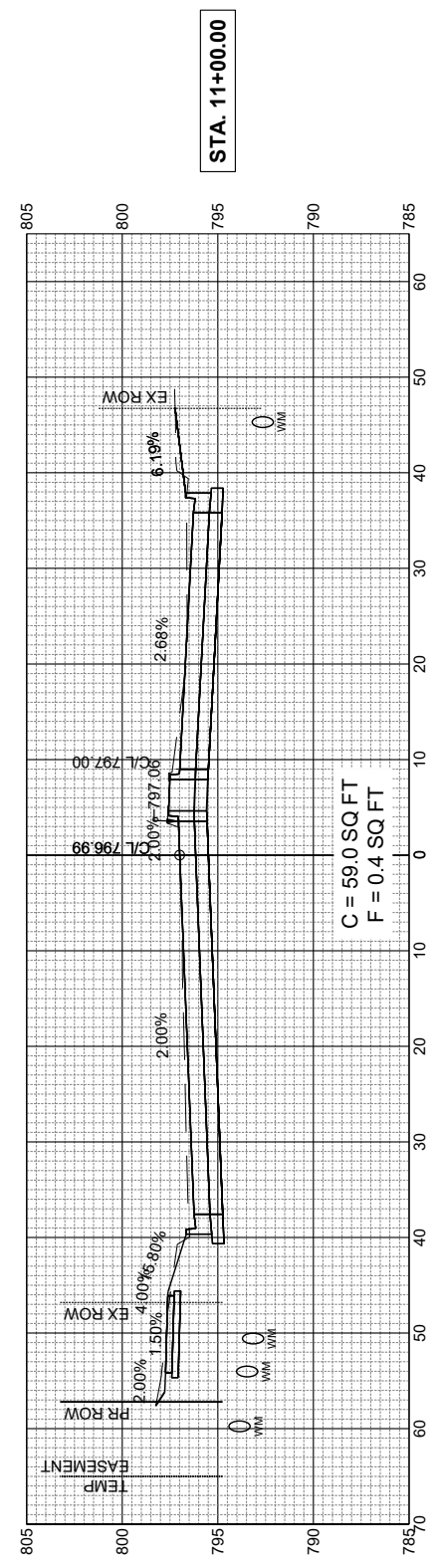
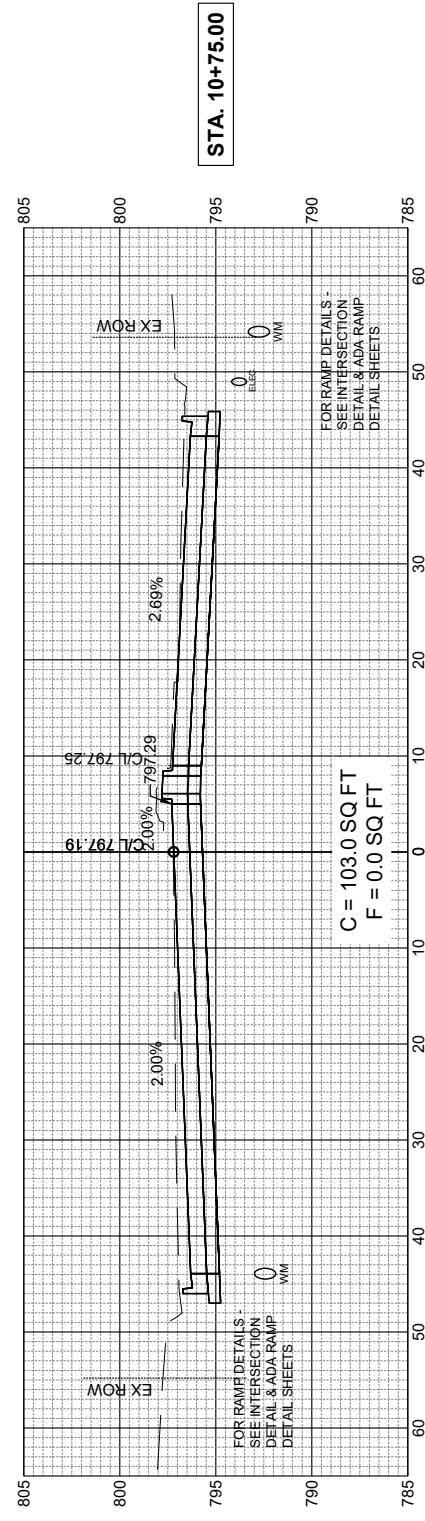


N UNIVERSITY ST - CROSS SECTIONS (4 OF 6)

**SHEET
142 OF 152**



SEE INTERSECTION LAYOUT DETAILS



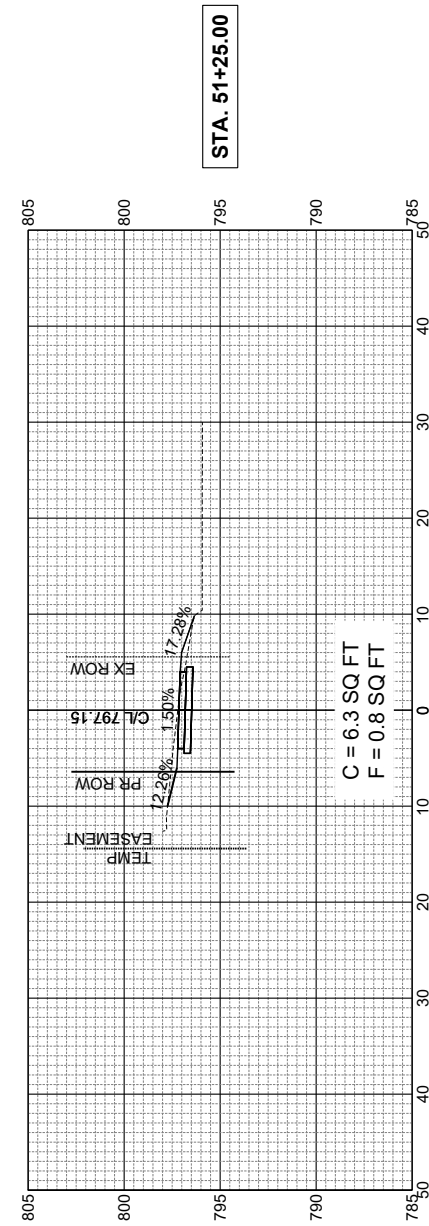
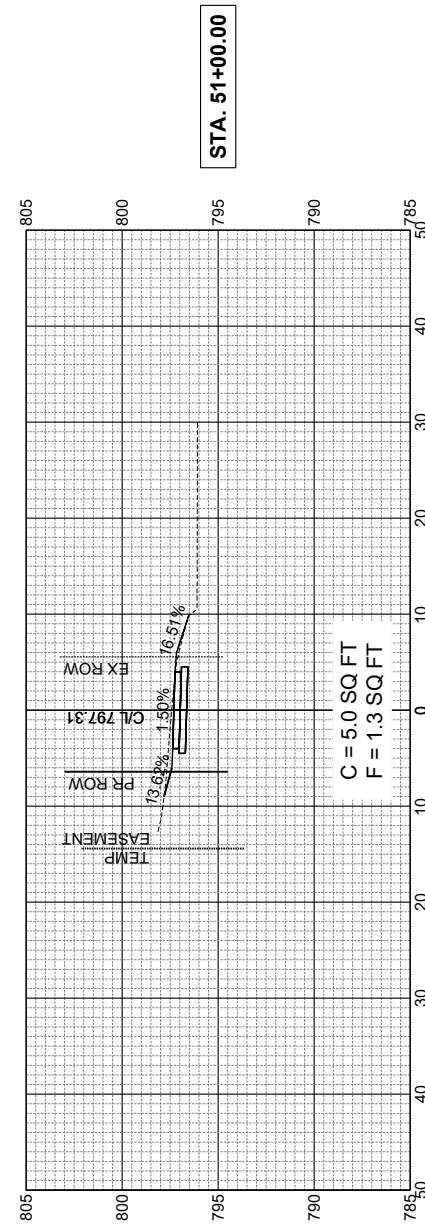
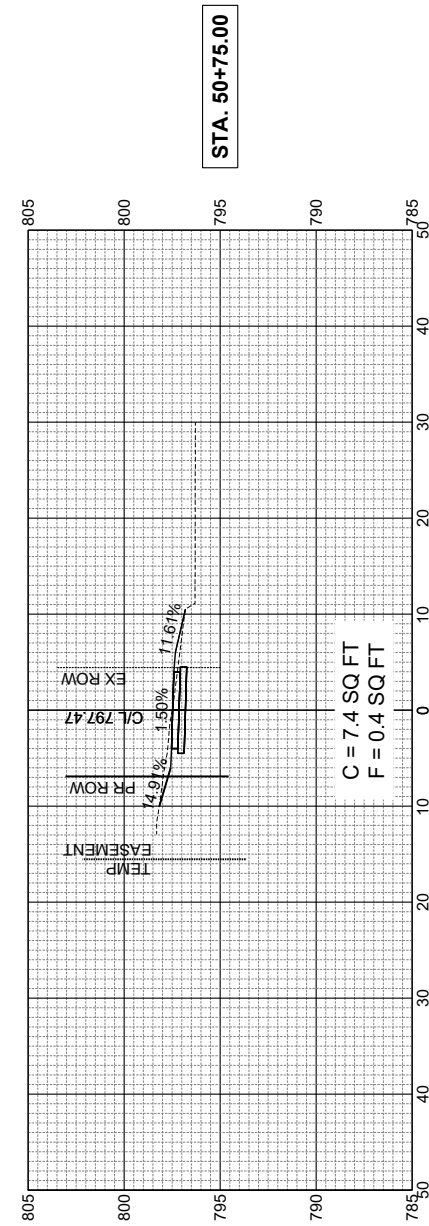
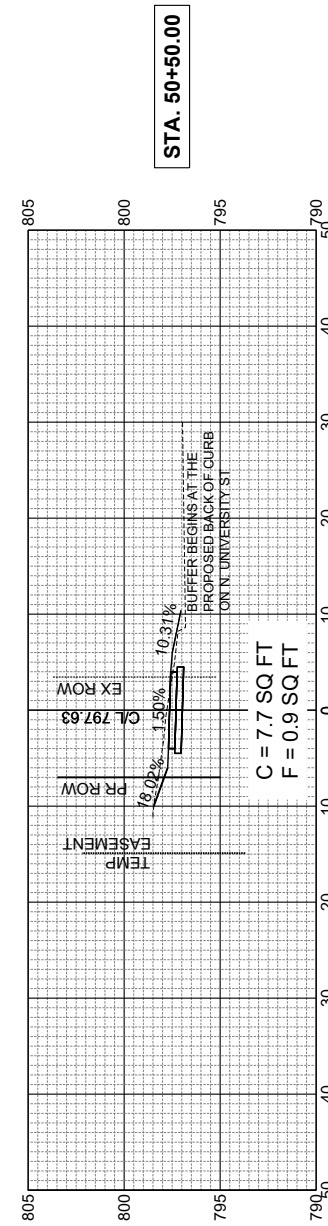
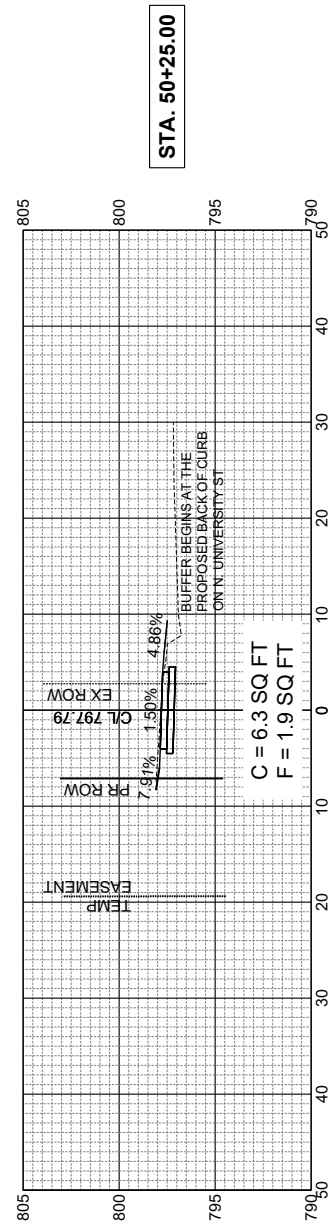
DESIGNED	EAA	DATE-	10-13-23
DRAWN	SRH		
CHECKED	RMB		
PROJECT #:	5111.02		

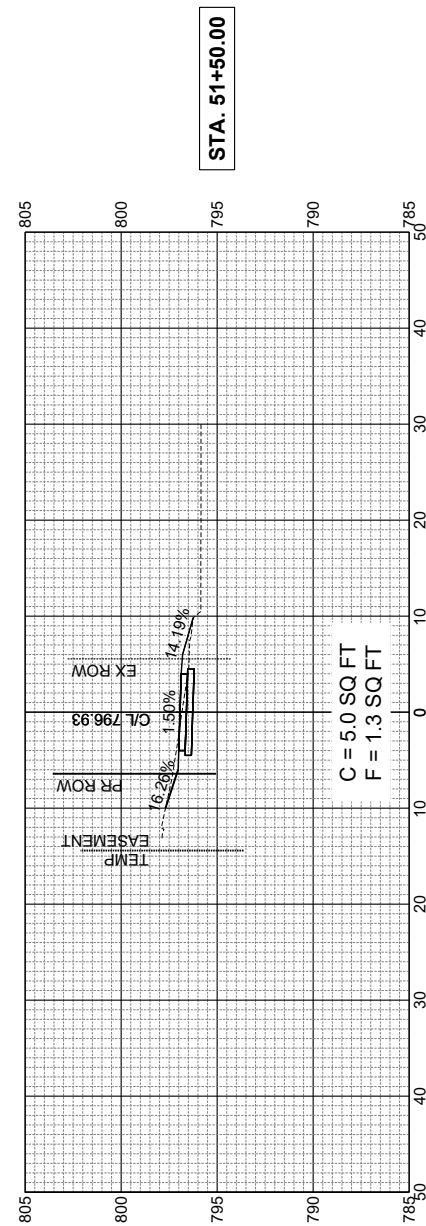
PIONEER PKWY & N UNIVERSITY ST RECONSTRUCTION



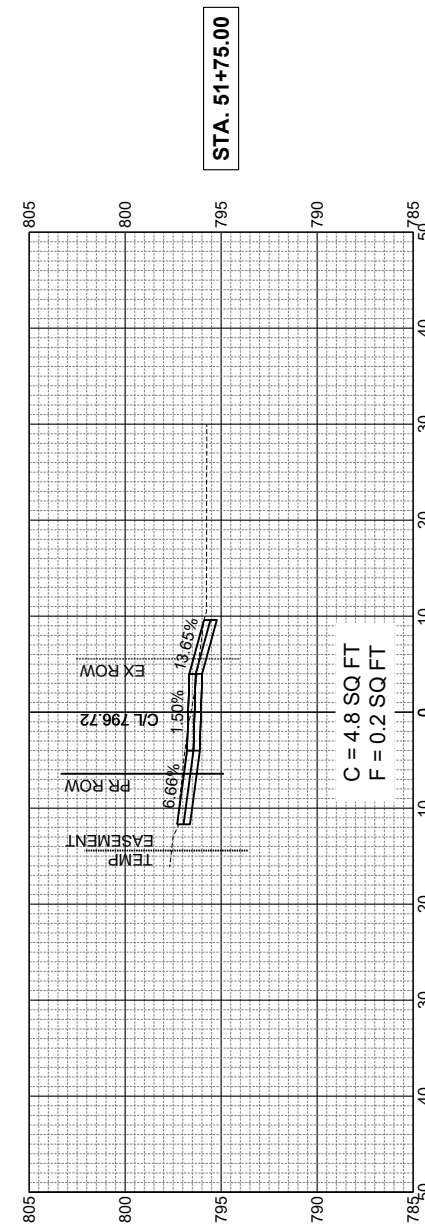
N UNIVERSITY ST - CROSS SECTIONS (6 OF 6)

NOTE:
STATIONING IS ALONG THE PROPOSED SHARED-USE PATH LOCATED ALONG N. UNIVERSITY ST., NORTH OF PIONEER PARKWAY.
SEE PLAN AND PROFILE SHEETS FOR UTILITIES LOCATED IN THIS SECTION.

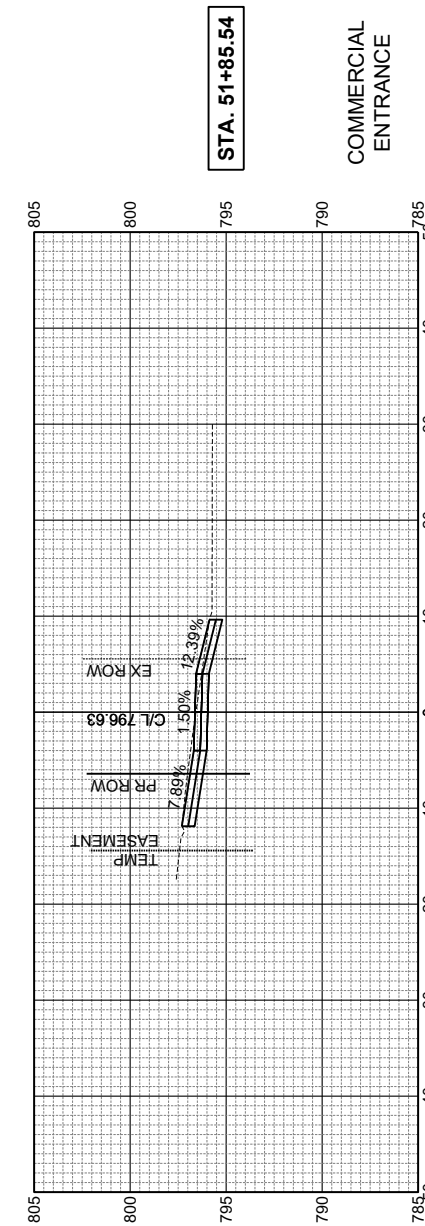




STA. 51+50.00

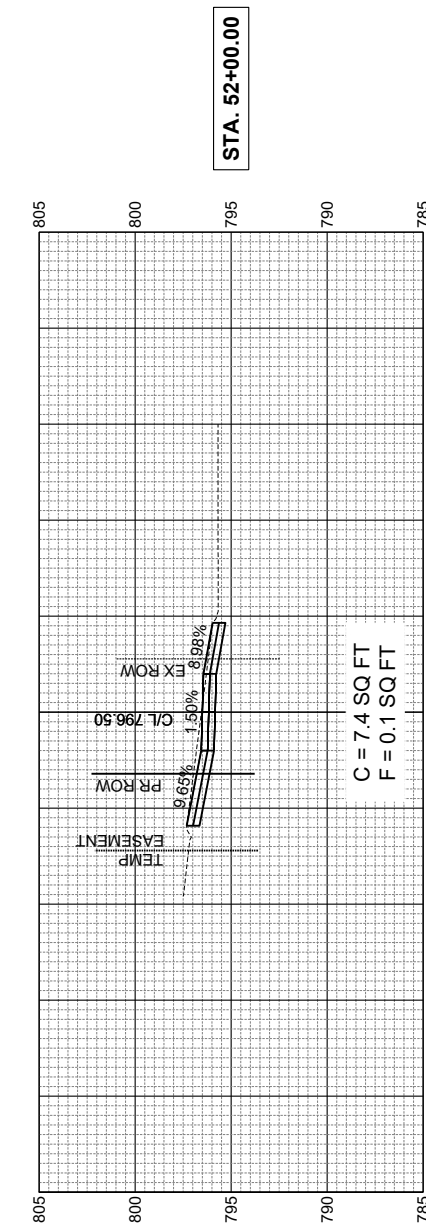


STA. 51+75.00

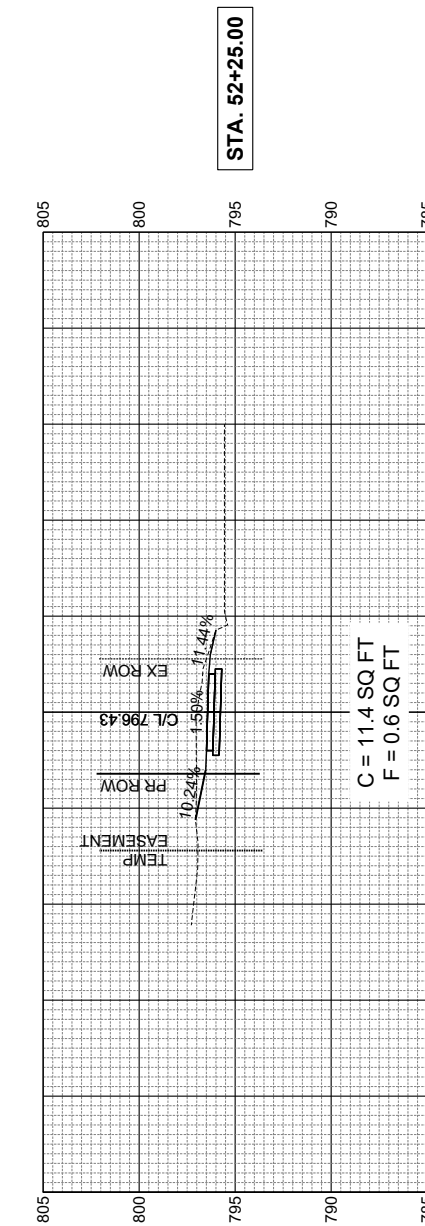


STA. 51+85.54

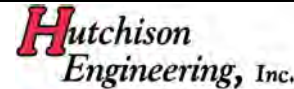
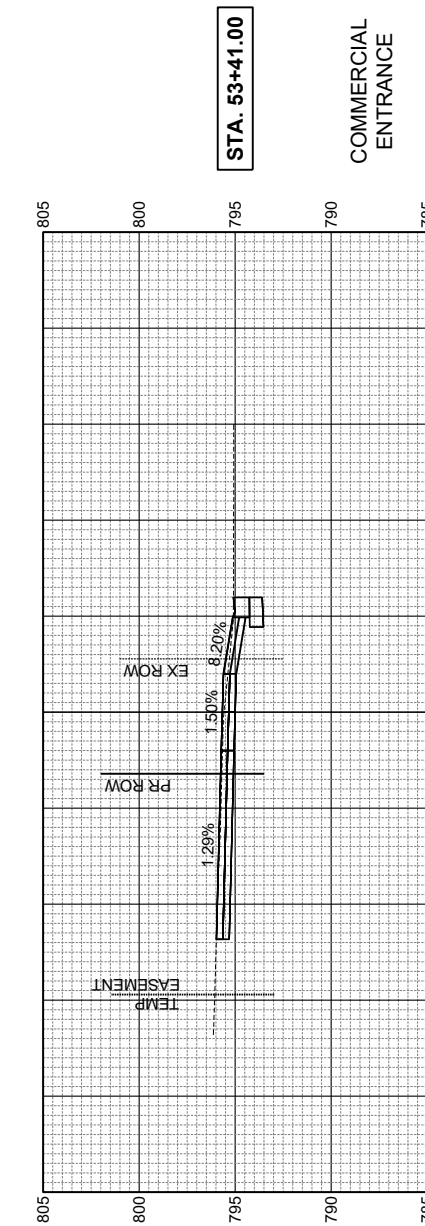
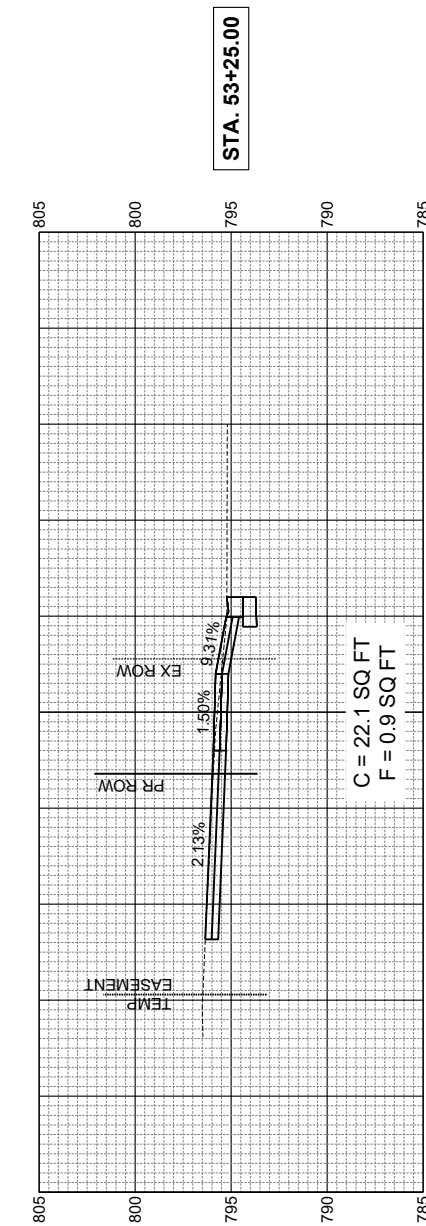
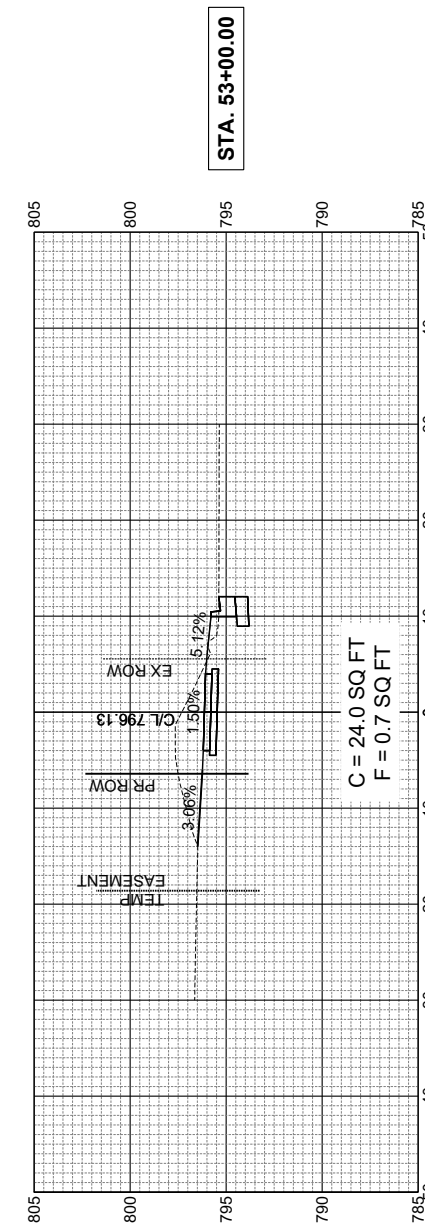
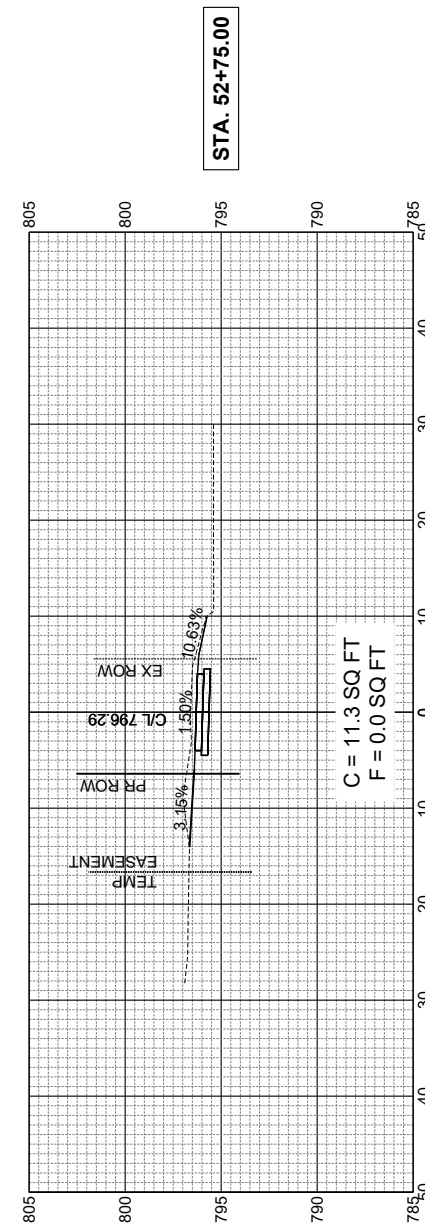
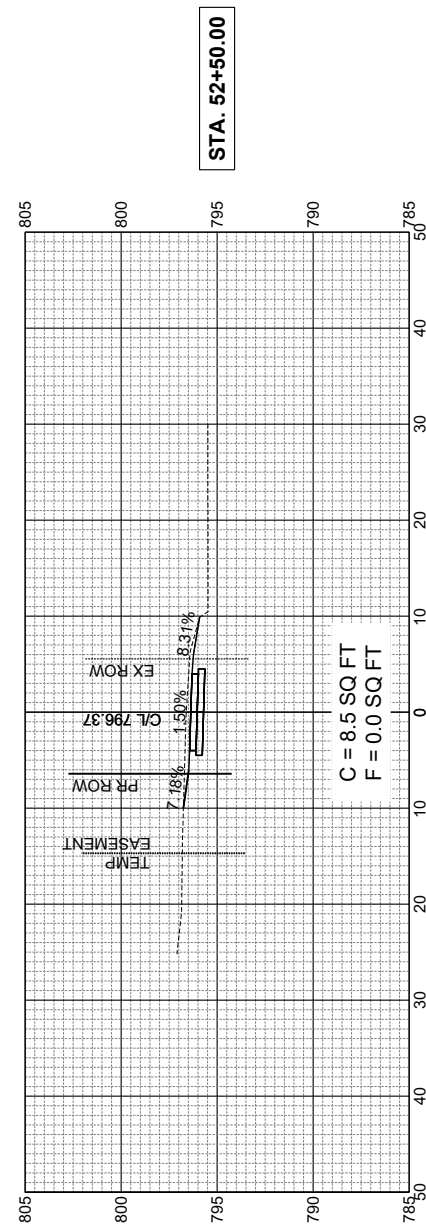
COMMERCIAL
ENTRANCE



STA. 52+00.00



STA. 52+25.00



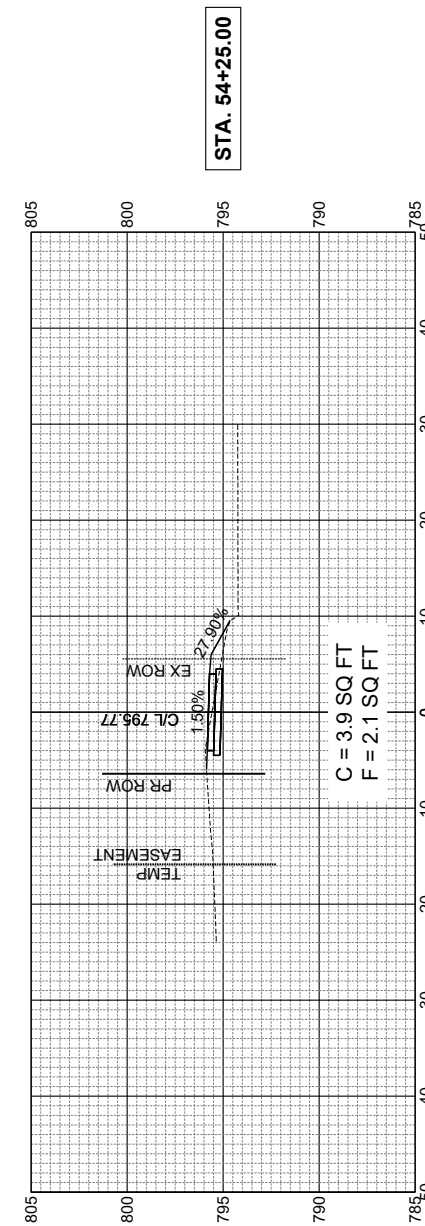
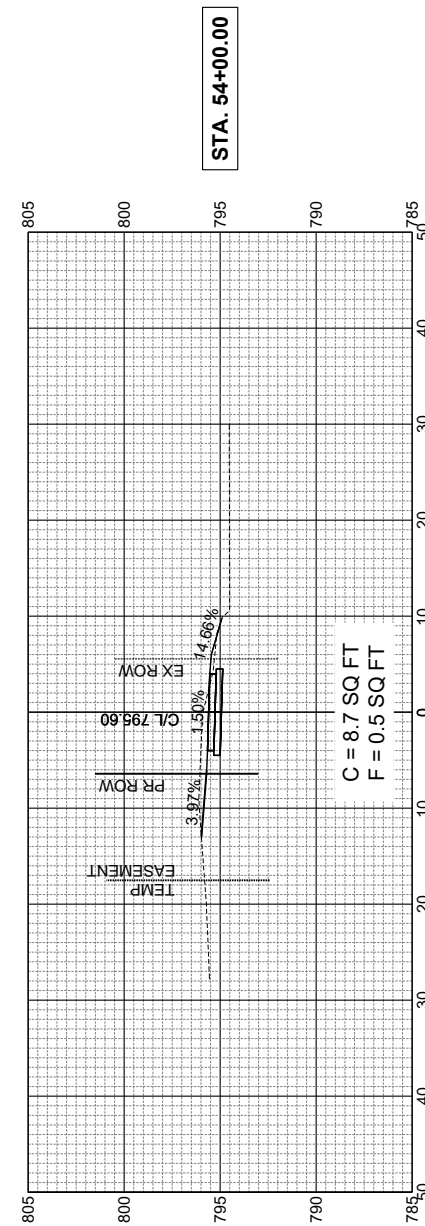
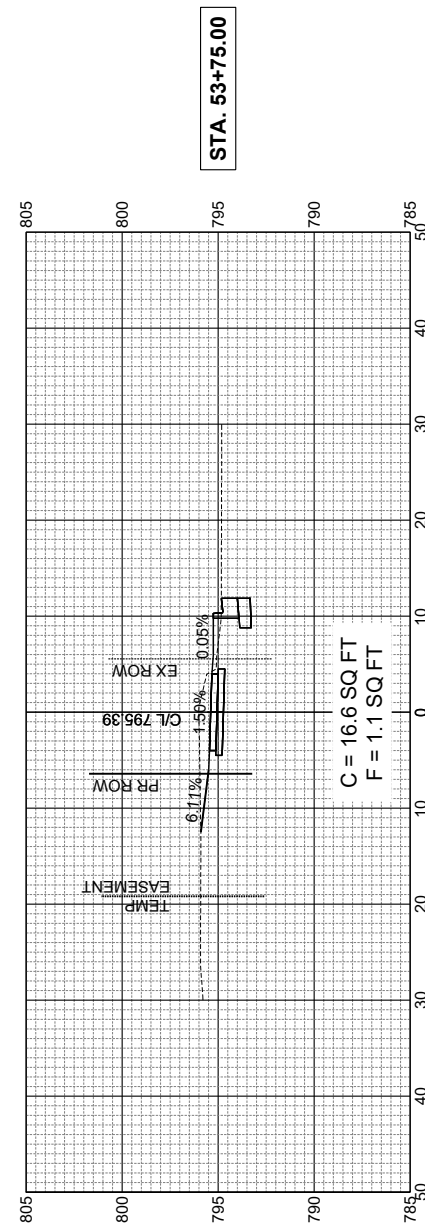
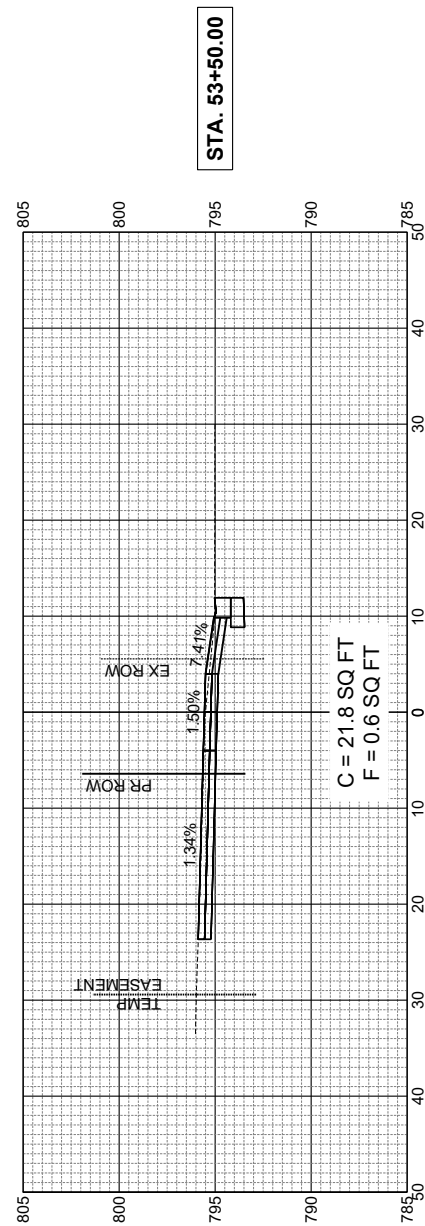
DESIGNED EAA DATE- 10-13-23
 DRAWN SRH
 CHECKED RMB
 PROJECT #: 5111.02

PIONEER PKWY &
 N UNIVERSITY ST
 RECONSTRUCTION



N UNIVERSITY ST SHARED-USE PATH
 CROSS SECTIONS (3 OF 8)

SHEET
 147 OF 152



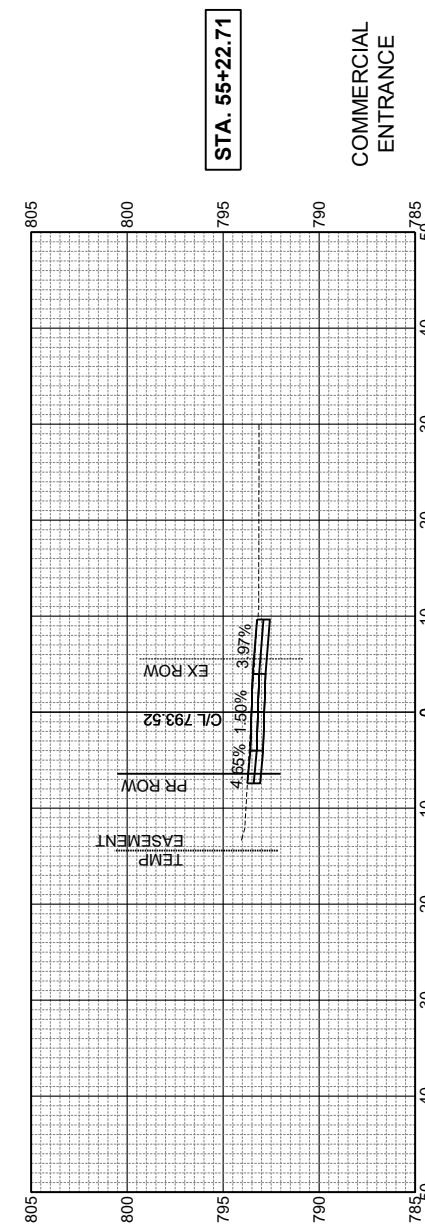
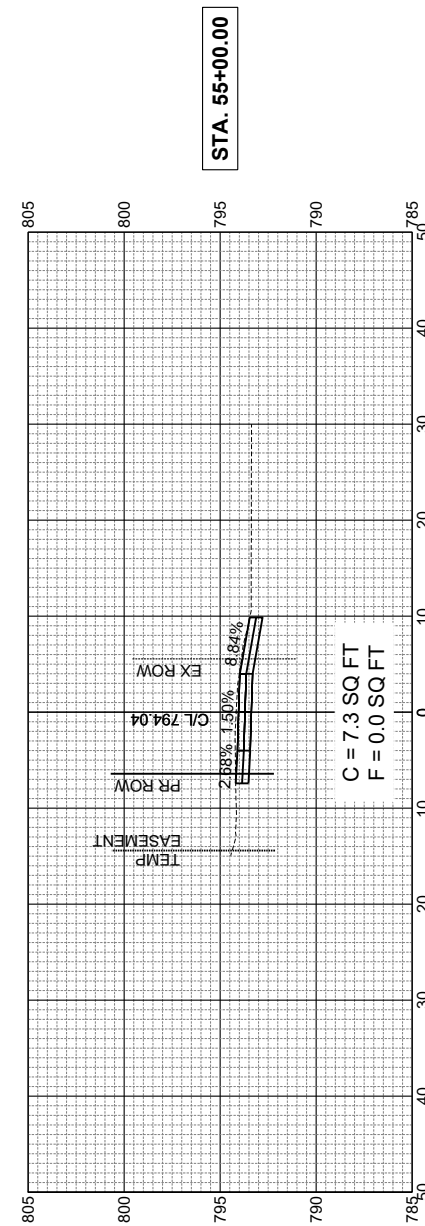
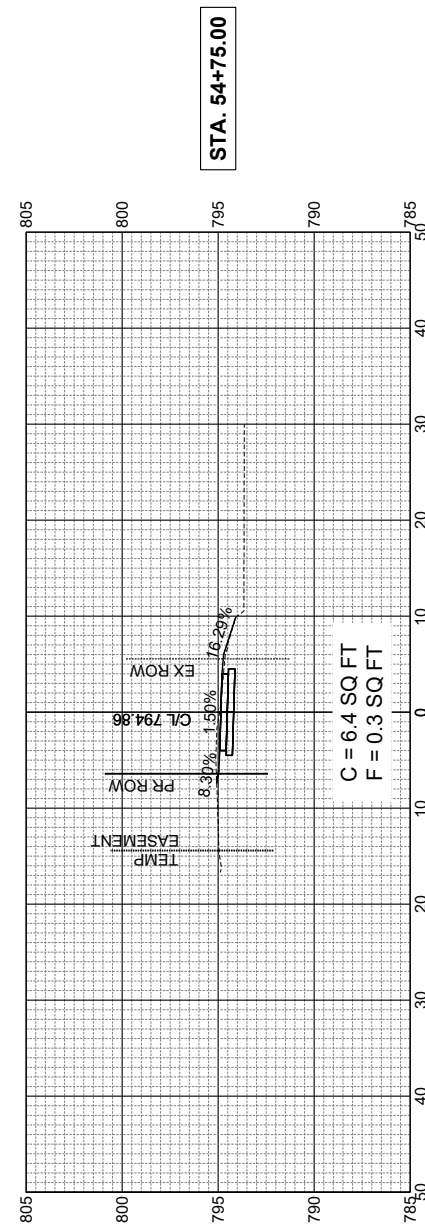
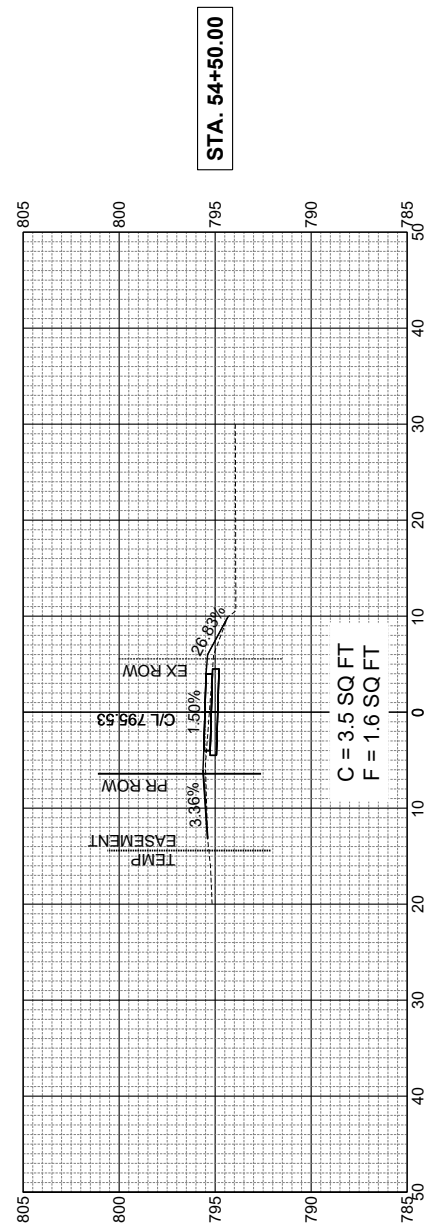
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DRAWN	SRH		
CHECKED	RMB		
PROJECT #:	5111.02		

PIONEER PKWY &
N UNIVERSITY ST
RECONSTRUCTION



N UNIVERSITY ST SHARED-USE PATH
CROSS SECTIONS (4 OF 8)

SHEET
148 OF 152



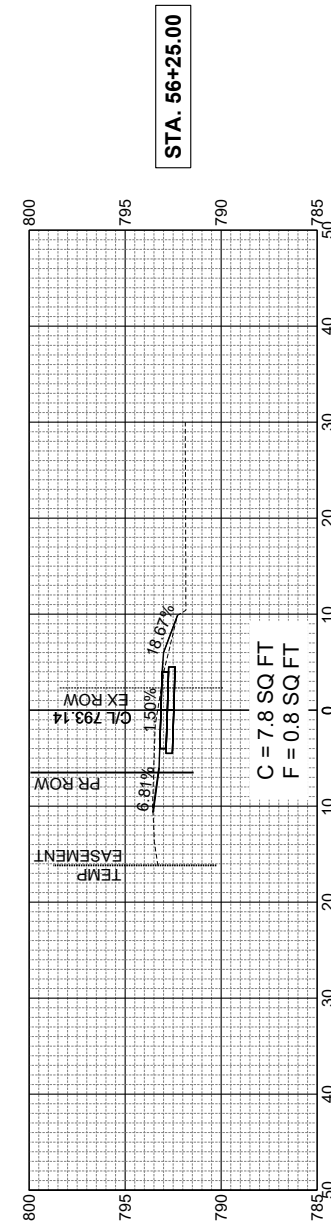
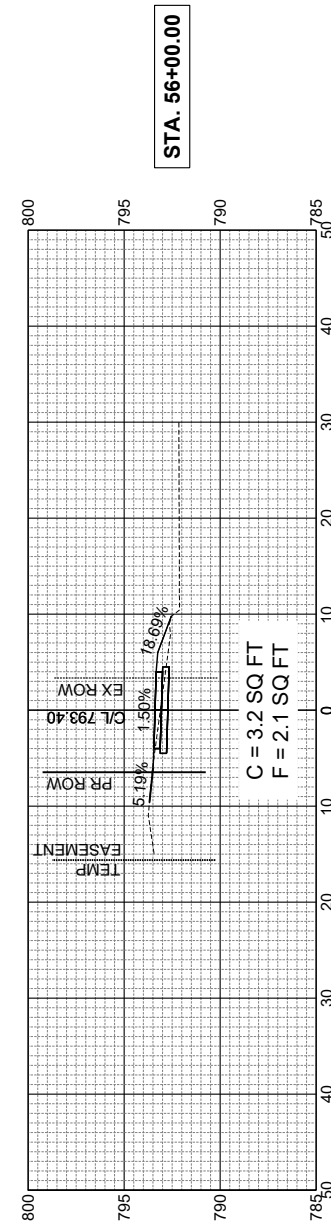
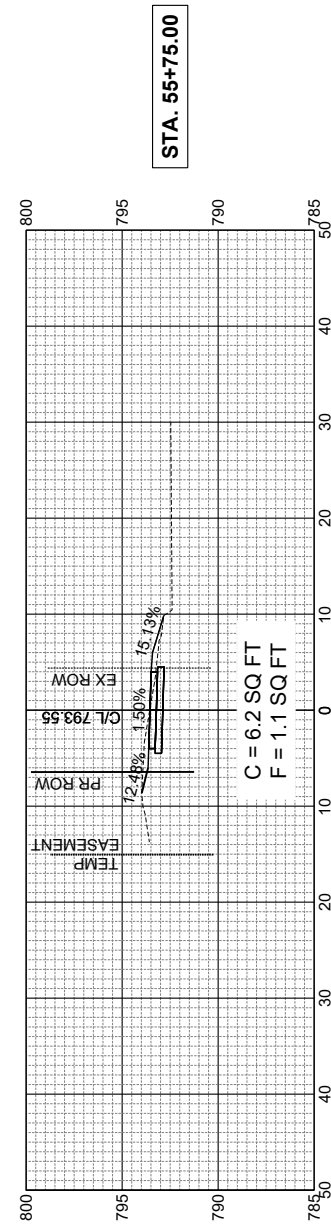
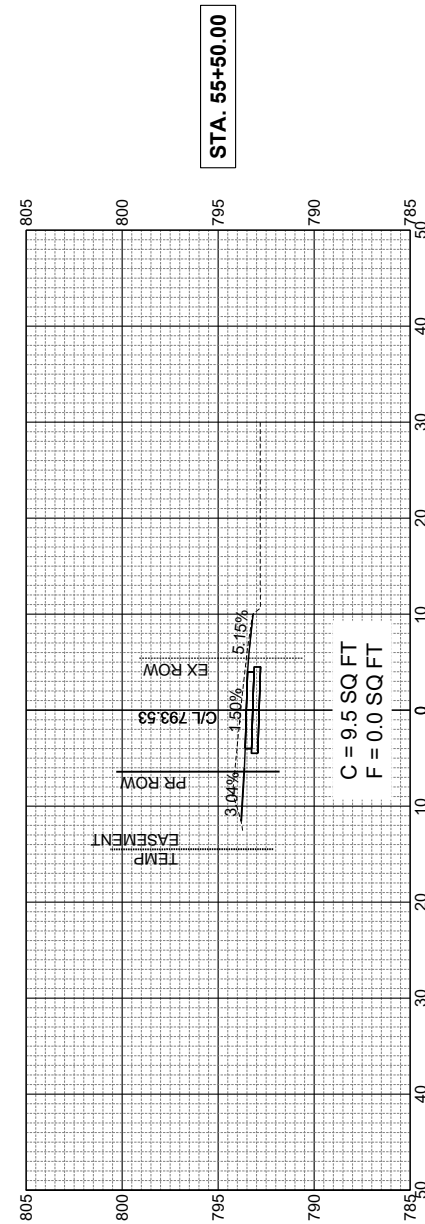
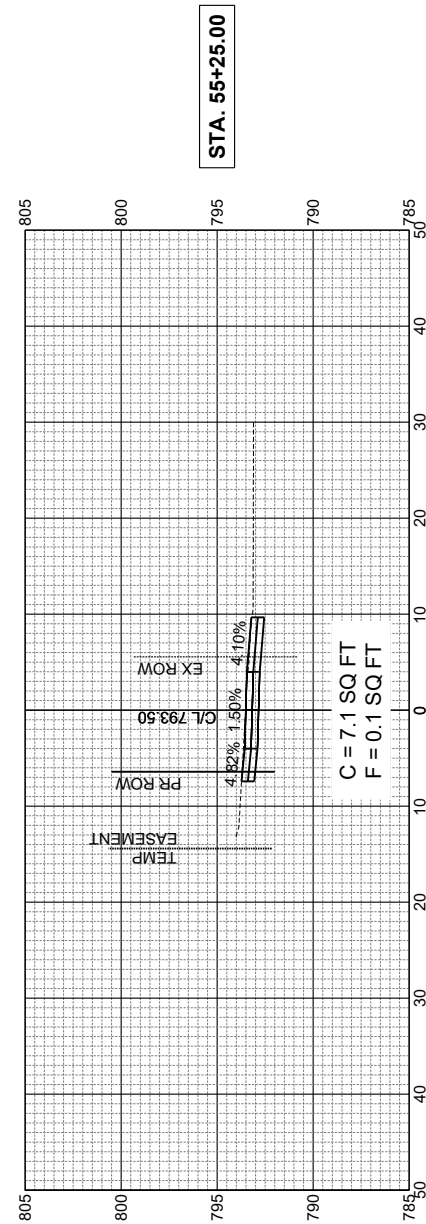
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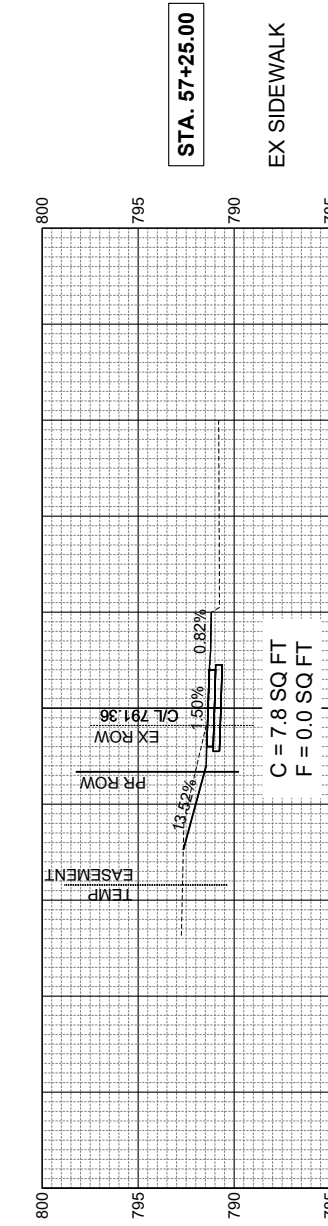
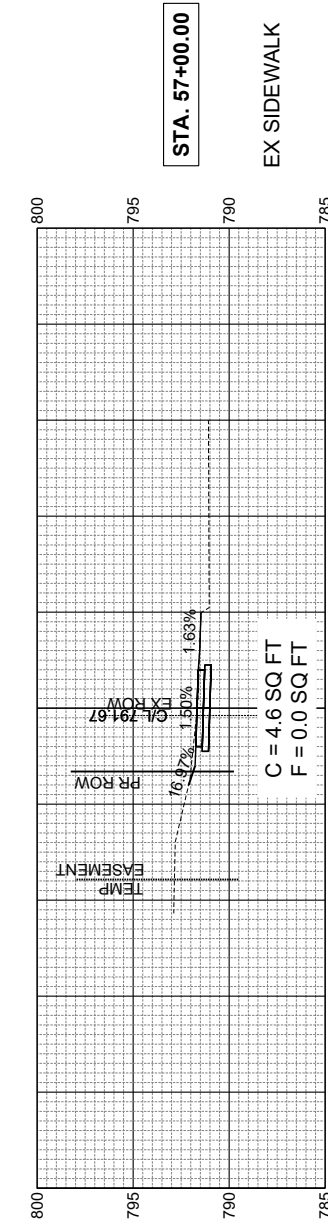
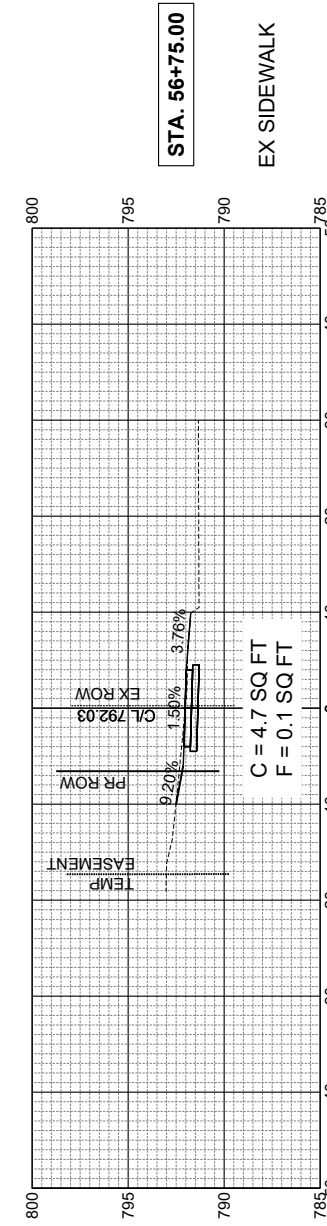
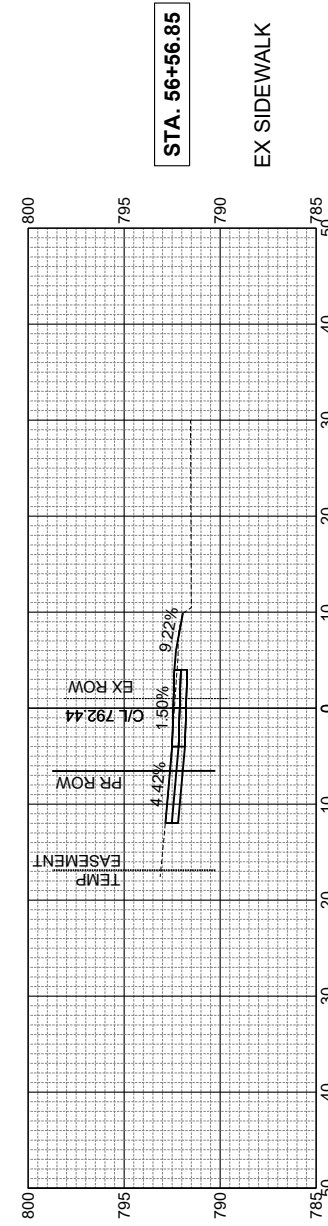
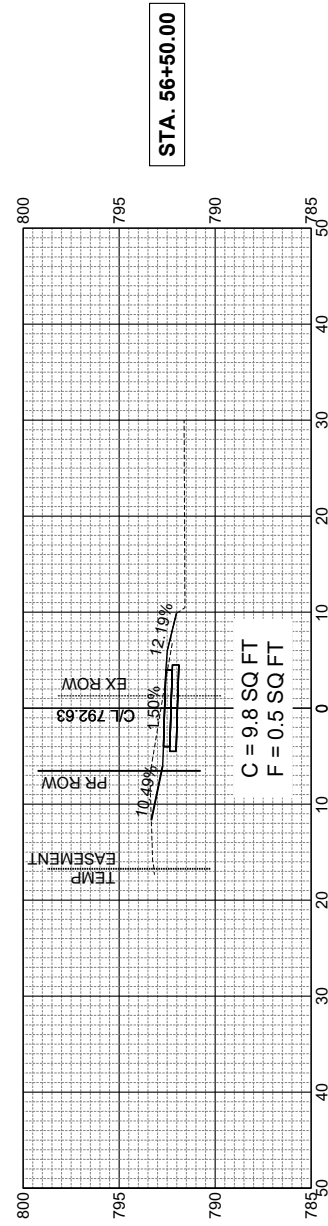
PIONEER PKWY &
N UNIVERSITY ST
RECONSTRUCTION



N UNIVERSITY ST SHARED-USE PATH
CROSS SECTIONS (5 OF 8)

SHEET
149 OF 152





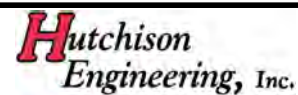
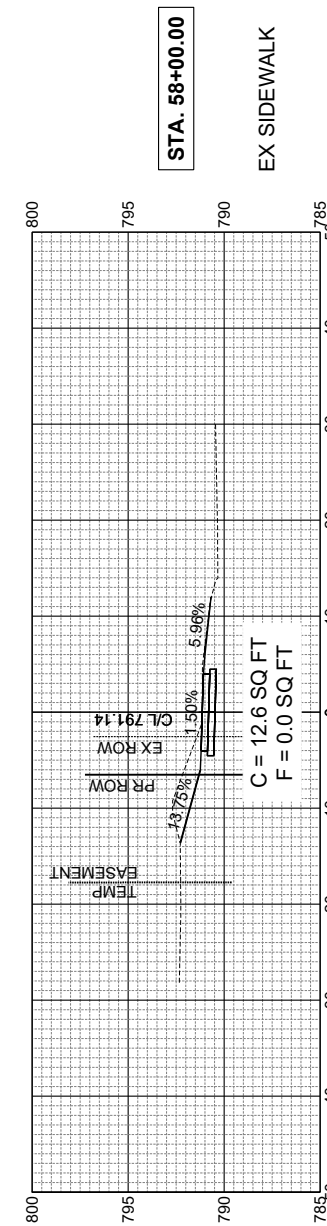
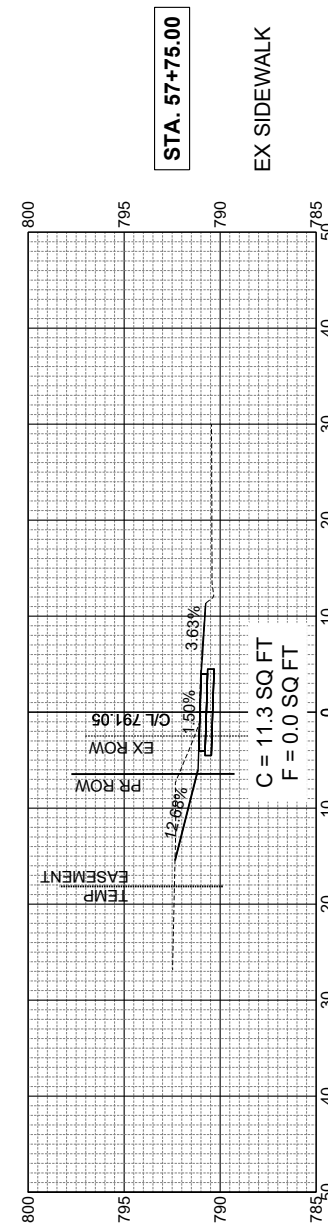
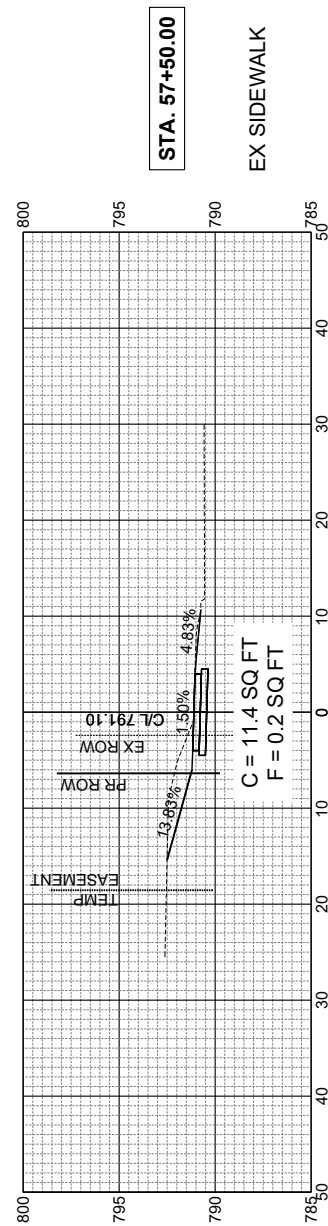
DESIGNED EAA DATE- 10-13-23
 DRAWN SRH
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 PROJECT #: 5111.02

PIONEER PKWY &
 N UNIVERSITY ST
 RECONSTRUCTION



N UNIVERSITY ST SHARED-USE PATH
 CROSS SECTIONS (7 OF 8)

SHEET
 151 OF 152



DESIGNED EAA DATE- 10-13-23
DRAWN SRH
CHECKED RMB
PROJECT #: 5111.02

PIONEER PKWY &
N UNIVERSITY ST
RECONSTRUCTION



N UNIVERSITY ST SHARED-USE PATH
CROSS SECTIONS (8 OF 8)

SHEET
152 OF 152