

TIP PROJECT: U-5907

CONTRACT: C204431

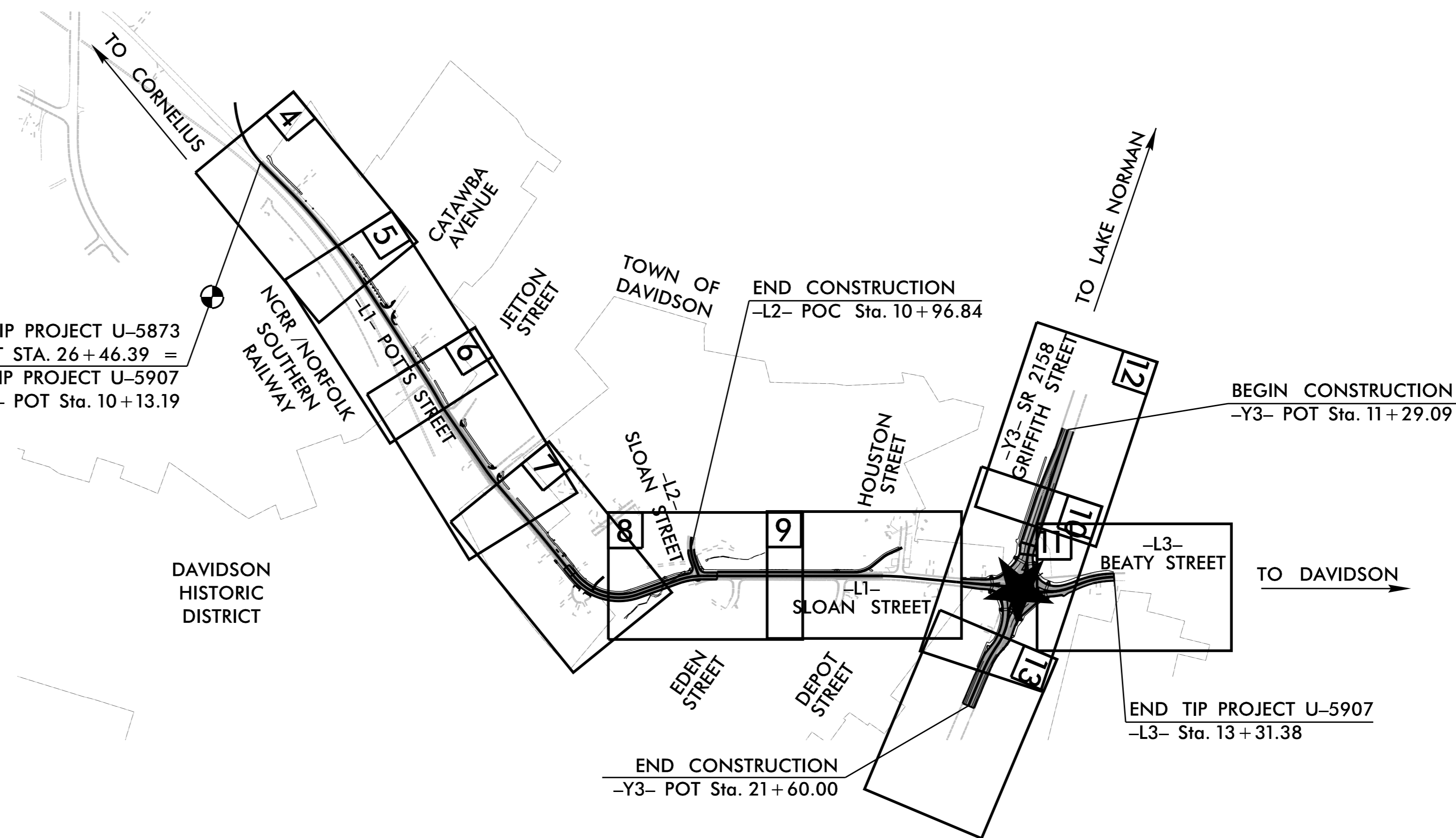
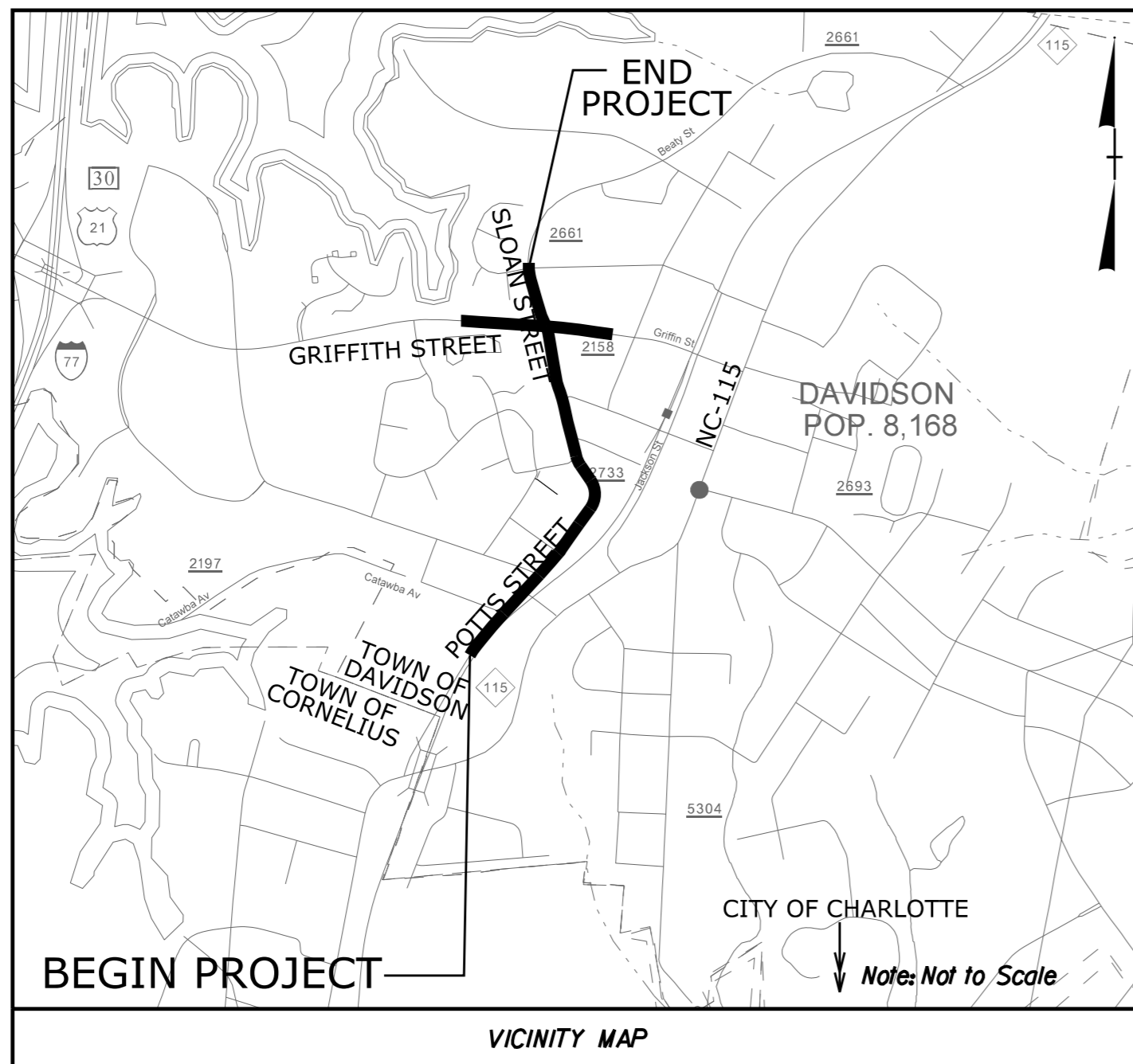
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5907	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
46452.1.1	N/A	PE	
46452.2.1	N/A	RW & UTIL	
46452.2.1	N/A	CONST.	

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

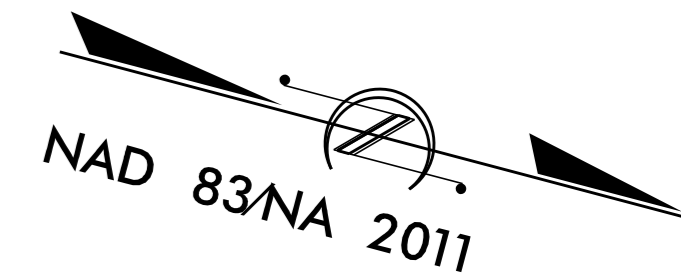
MECKLENBURG COUNTY

LOCATION: NEW LOCATION FROM SR-6037 (POTTS ST) TO SR-6038 (SLOAN ST)
ROUNDAABOUT SR-6038 (SLOAN ST)/GRIFFITH ST/BEATY ST

TYPE OF WORK: GRADING, PAVING, SIGNAL & DRAINAGE

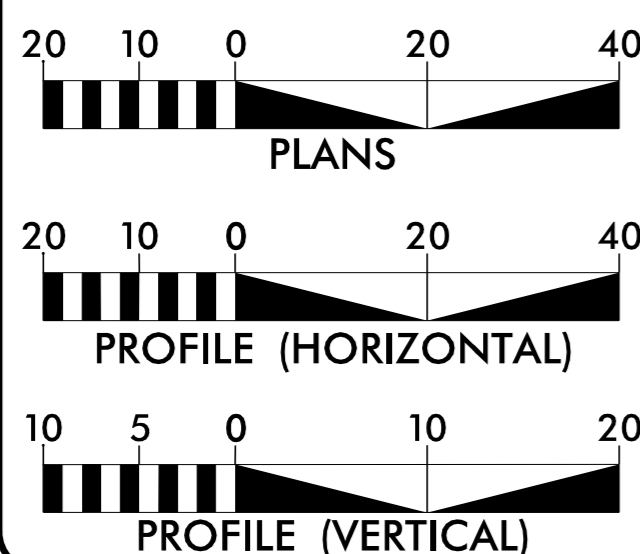


NCDOT CONTACT:
DONALD C. GRIFFITH
NCDOT - DIVISION 10
716 W. MAIN STREET
ALBEMARLE, NC 28001



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



DESIGN DATA

ADT 2023 = 7,930 VPD
ADT 2043 = 11,780 VPD

K	=	10%
D	=	57%
T	=	15%
V	=	30 MPH

SUB REGIONAL TIER
* 5% TTST 10% DUAL

FUNCTIONAL CLASSIFICATION: URBAN COLLECTOR

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT U-5907(L1) = 0.639 MILES
LENGTH ROADWAY TIP PROJECT U-5907(L3) = 0.063 MILES
TOTAL LENGTH TIP PROJECT U-5907 = 0.702 MILES

PLANS PREPARED FOR THE NCDOT BY:

Kimley»Horn

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
11/01/2022

LETTING DATE:
12/19/2023

FRANK MASTERSON, P.E.
PROJECT ENGINEER

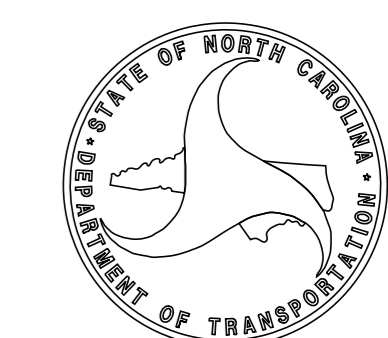
ANDREW WEEKS, E.I.T.
PROJECT DESIGN ENGINEER

DONALD C. GRIFFITH
NCDOT CONTACT
DM-STIP PROJECT MANAGER

HYDRAULICS ENGINEER

DocuSigned by:
Jason Lawing
10/26/2023
P.E.

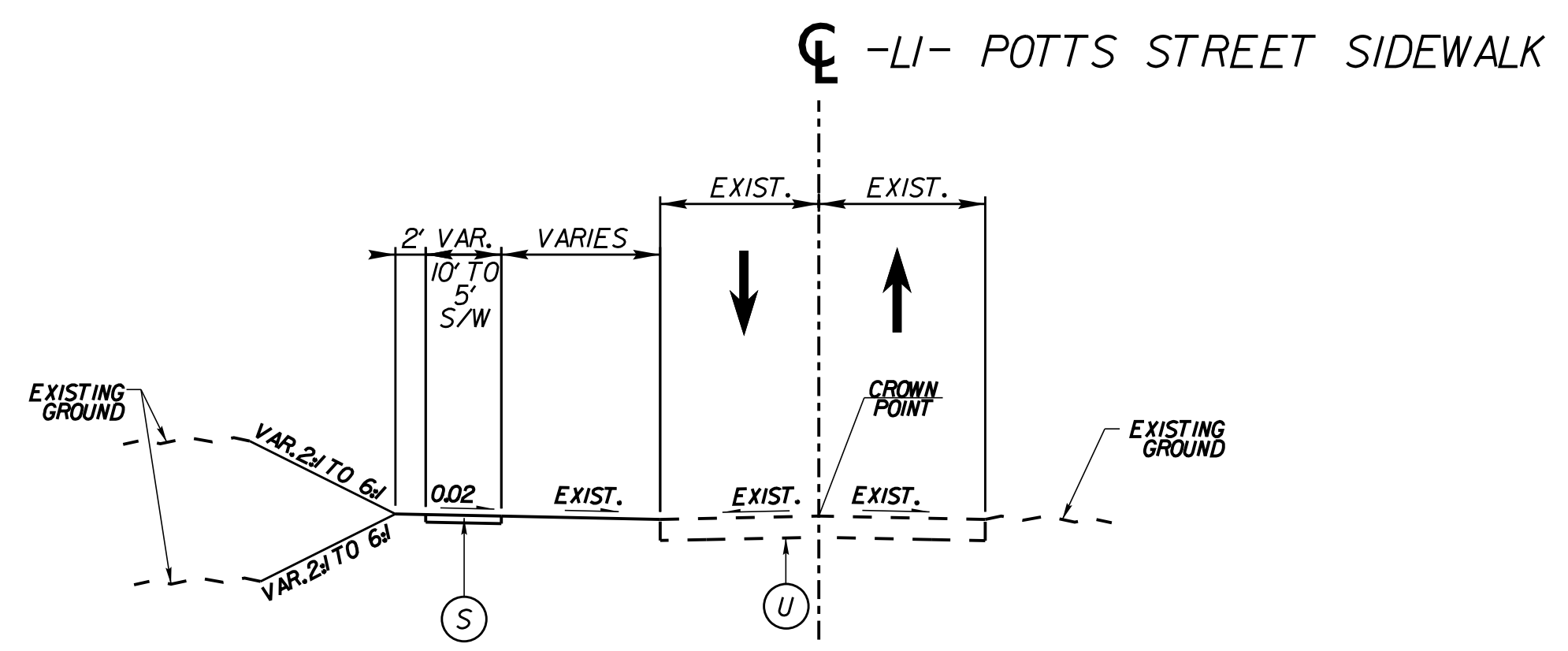
DocuSigned by:
Frank Masterson
10/25/2023
P.E.



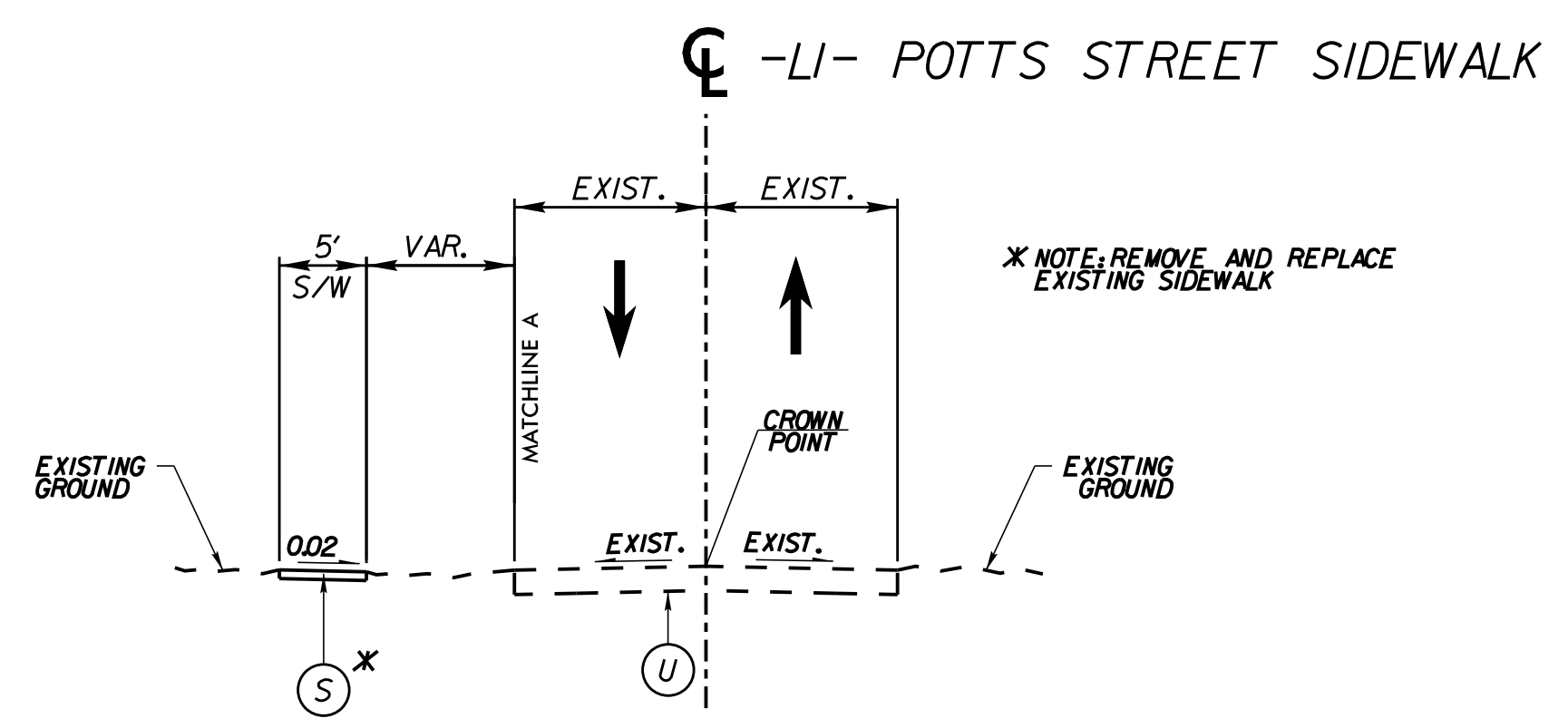
K:\CHL_PRJ\01036360_U-5907_Potts-Sloan_Ext\Roadway\Pro\U-5907_rdy_tshdgn 10/9/2023

PROJECT REFERENCE NO. U-5907	SHEET NO. 2A-1
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
10/26/2023	10/26/2023

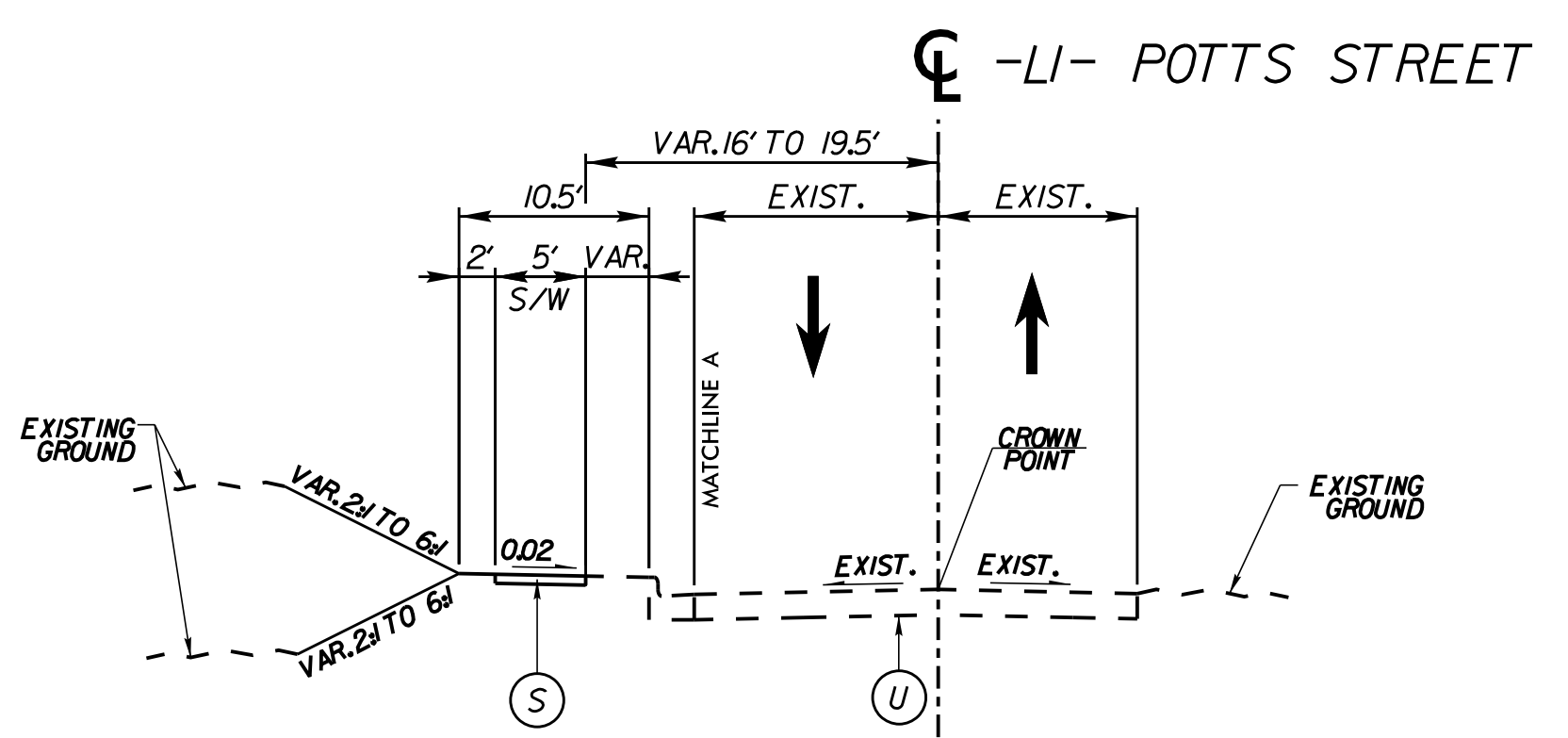
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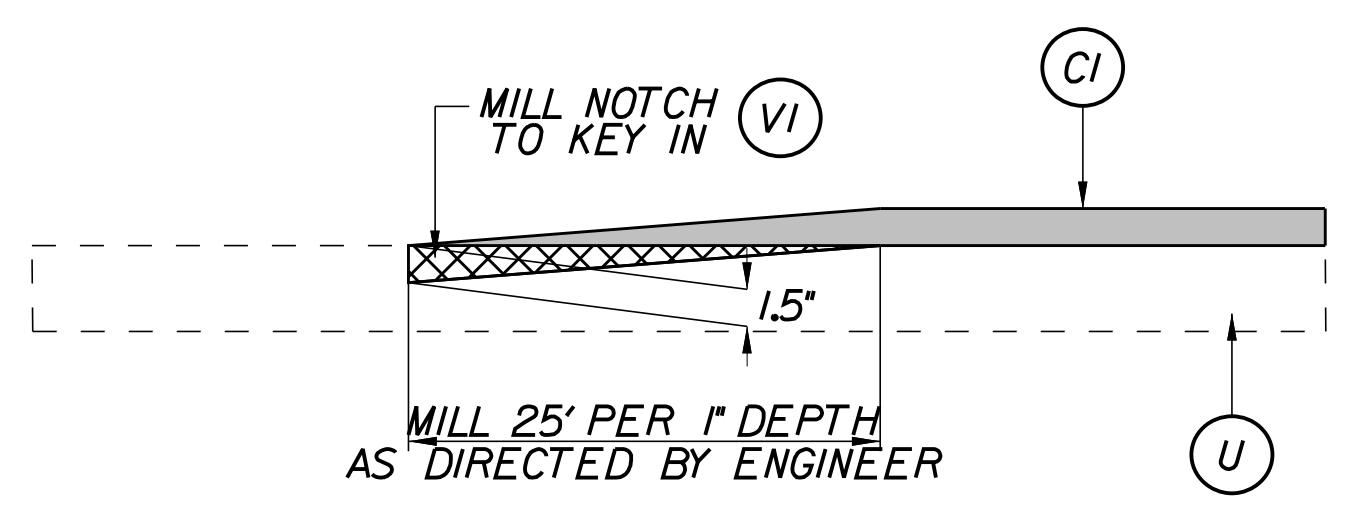
TYPICAL SECTION NO. 1
-L- STA 26+30.15 TO STA 26+46.39
-LI- STA 10+13.19 TO STA 11+78.00



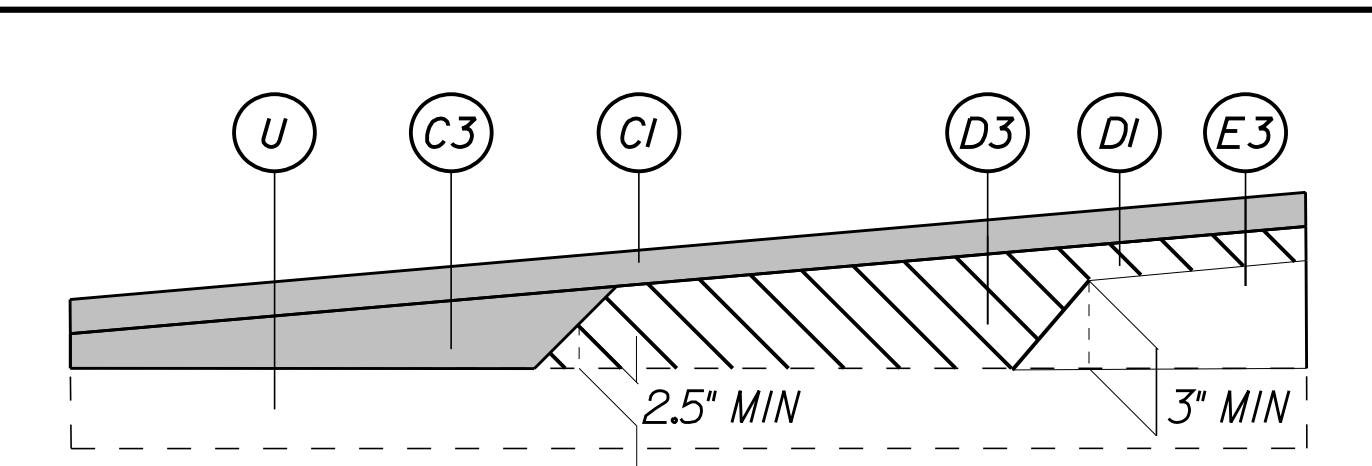
TYPICAL SECTION NO. 2
-LI- STA 14+45.19 TO STA 16+66.19
-LI- STA 16+89.11 TO STA 17+30.00
-LI- STA 18+29.29 TO STA 19+29.00
-LI- STA 19+67.46 TO STA 20+60.76



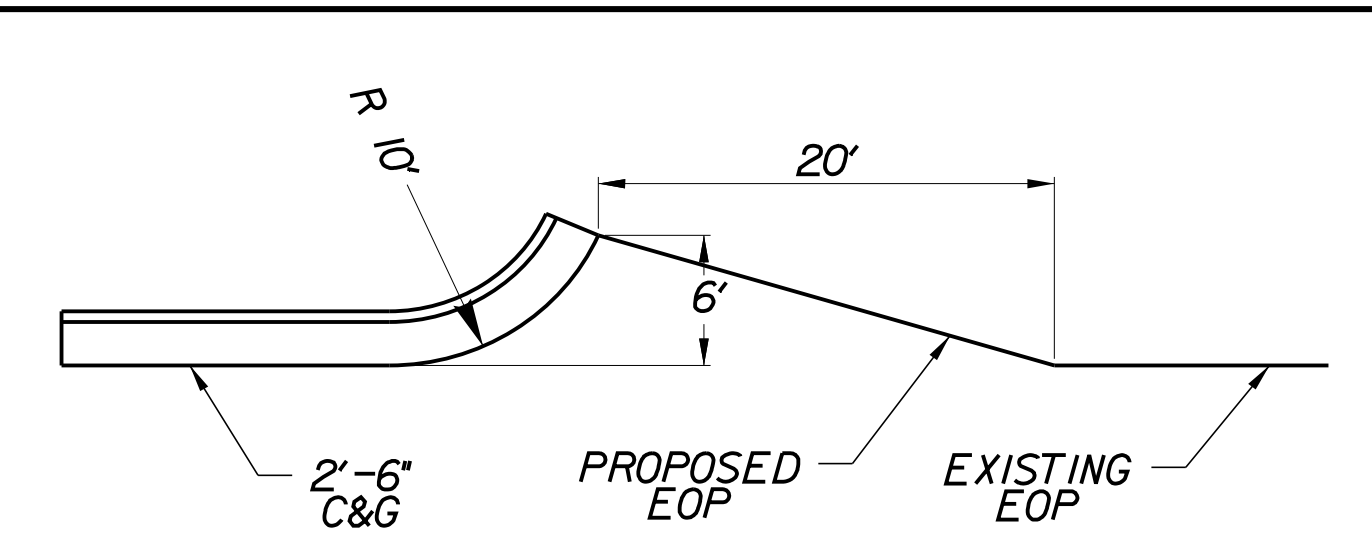
TYPICAL SECTION NO. 3
-LI- STA 21+34.43 TO STA 23+39.63
-LI- STA 23+63.54 TO STA 24+27.90
-LI- STA 24+68.93 TO STA 27+62.00



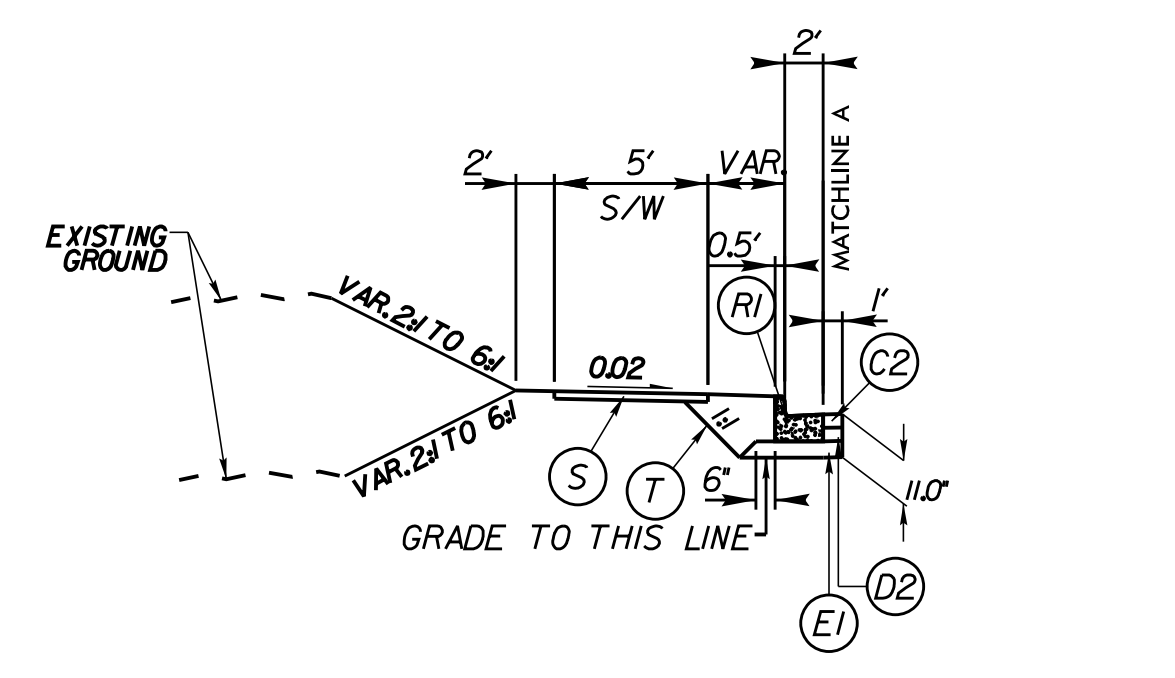
PROFILE KEY-IN DETAIL



WEDGING DETAIL FOR RESURFACING



CURB RETURN DETAIL



TYPICAL SECTION NO. 2A/3A
-LI- STA 16+39.79 TO STA 16+66.19 LT
-LI- STA 16+89.11 TO STA 17+30.87 LT
-LI- STA 21+34.43 TO STA 21+50.44 LT
-LI- STA 23+18.55 TO STA 23+39.63 LT
-LI- STA 23+63.54 TO STA 23+84.22 LT

PAVEMENT SCHEDULE (FINAL PAVEMENT DESIGN)	
A1	12" TRUCK MOUNTABLE CONCRETE APRON (CLASS AA)
A2	12" TRUCK MOUNTABLE CONCRETE APRON W/ BLACK TINT (CLASS AA)
A3	PROPOSED 6" PORTLAND CEMENT CONCRETE PAVEMENT CLASS B
C1	PROPOSED APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S95B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
C2	PROPOSED APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S95B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
C3	PROPOSED VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S95B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT TO EXCEED 2" IN DEPTH.
D1	PROPOSED APPROX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I190C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
D2	PROPOSED APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I190C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
D3	PROPOSED VAR. DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I190C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 2.5" OR GREATER THAN 4" IN DEPTH.
E1	PROPOSED APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B250C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E2	PROPOSED APPROX. 5" ASPHALT CONCRETE BASE COURSE, TYPE B250C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
E3	PROPOSED VAR. DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B250C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 3" OR GREATER THAN 5.5" IN DEPTH.
R1	PROPOSED 2'-6" CONCRETE CURB & GUTTER
R2	PROPOSED 1'-6" CONCRETE CURB & GUTTER
R3	PROPOSED 8" X 12" CURB
R4	PROPOSED 8" X 18" CURB
R5	PROPOSED 5" MONOLITHIC CONCRETE ISLAND (KEYED-IN)
S	PROPOSED 4" CONCRETE SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT
VI	INCIDENTAL MILLING
V2	PROPOSED 1.5" MILLING
W	WEDGING DETAIL FOR RESURFACING

NOTES:
1. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS OTHERWISE INDICATED
2. REFER TO PLAN SHEETS FOR VARIABLE WIDTHS
3. SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT TO PROVIDE 1" MIN FULL DEPTH ASPHALT PAVEMENT
4. UTILIZE WELDED WIRE MESH (6x6 W5xW5) IN ALL PROPOSED 12" TRUCK MOUNTABLE APRONS

5/14/99

Kimley»Horn

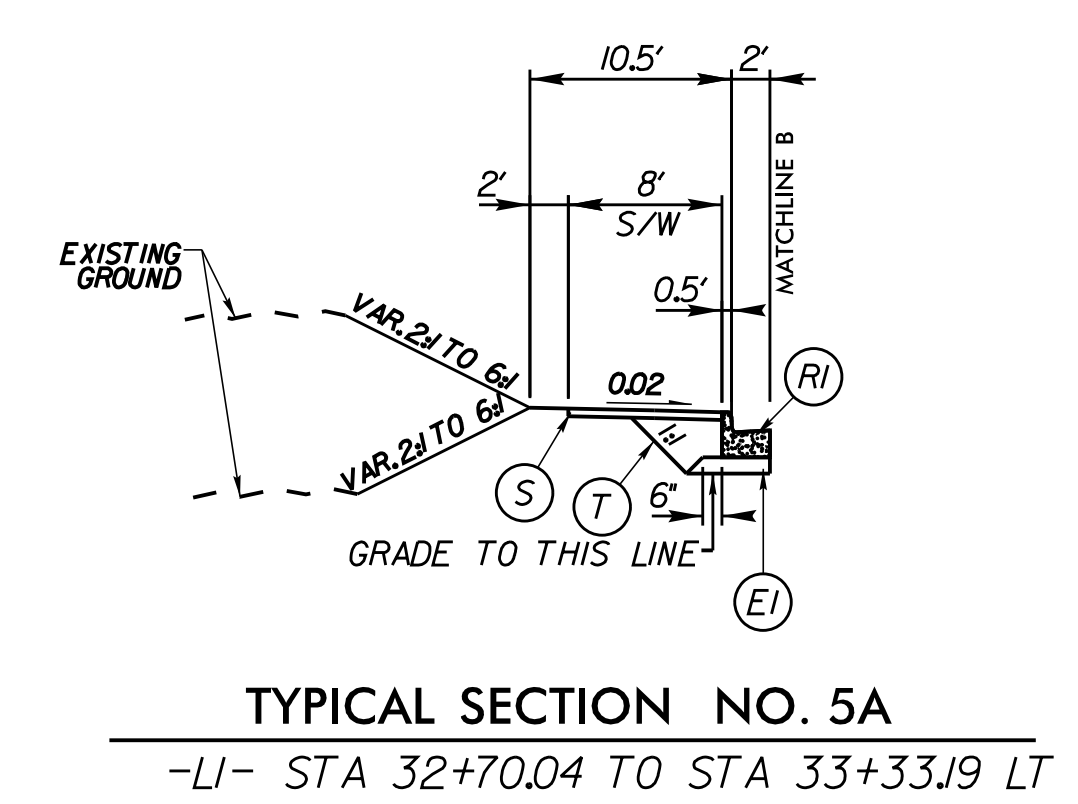
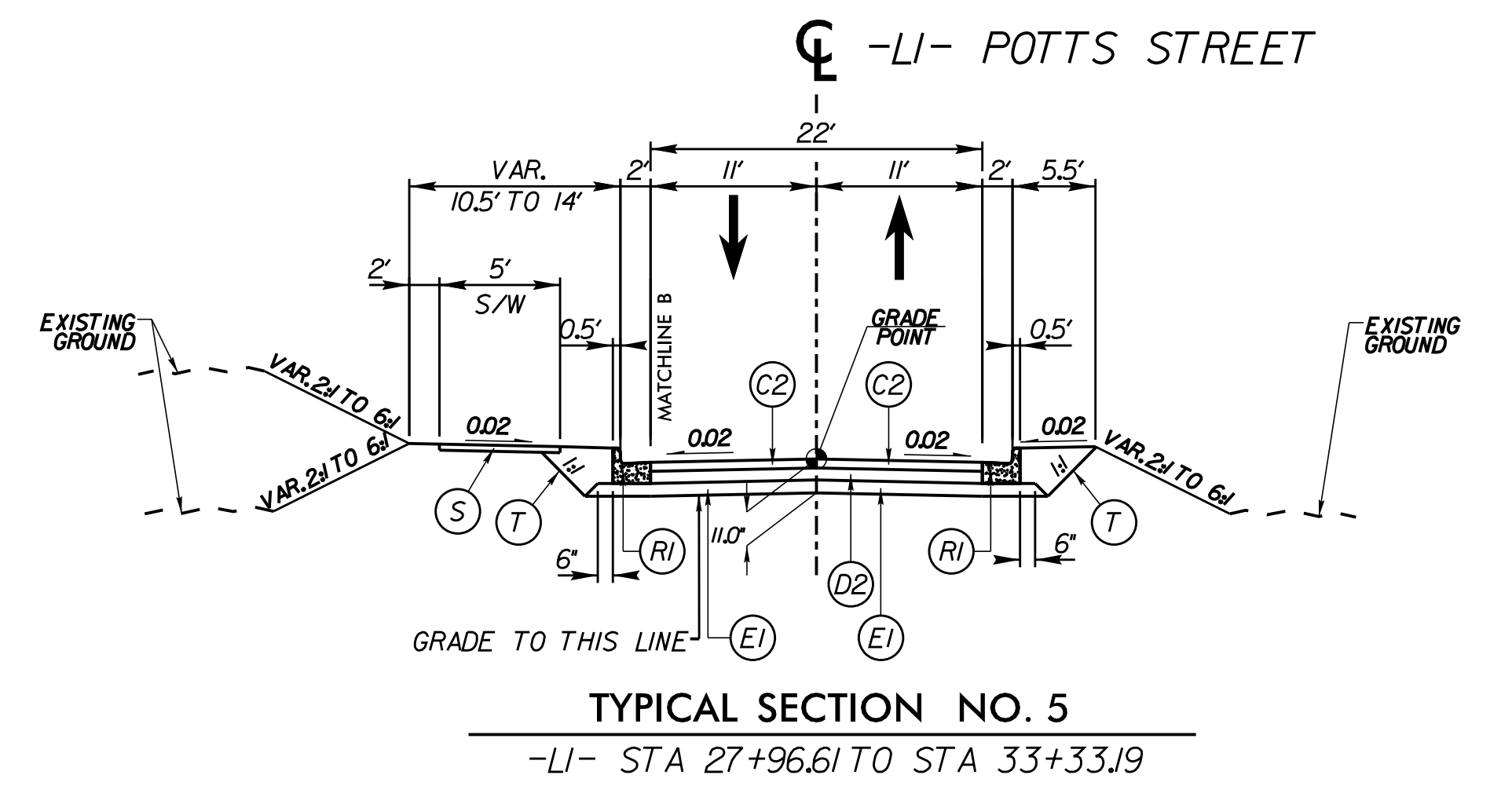
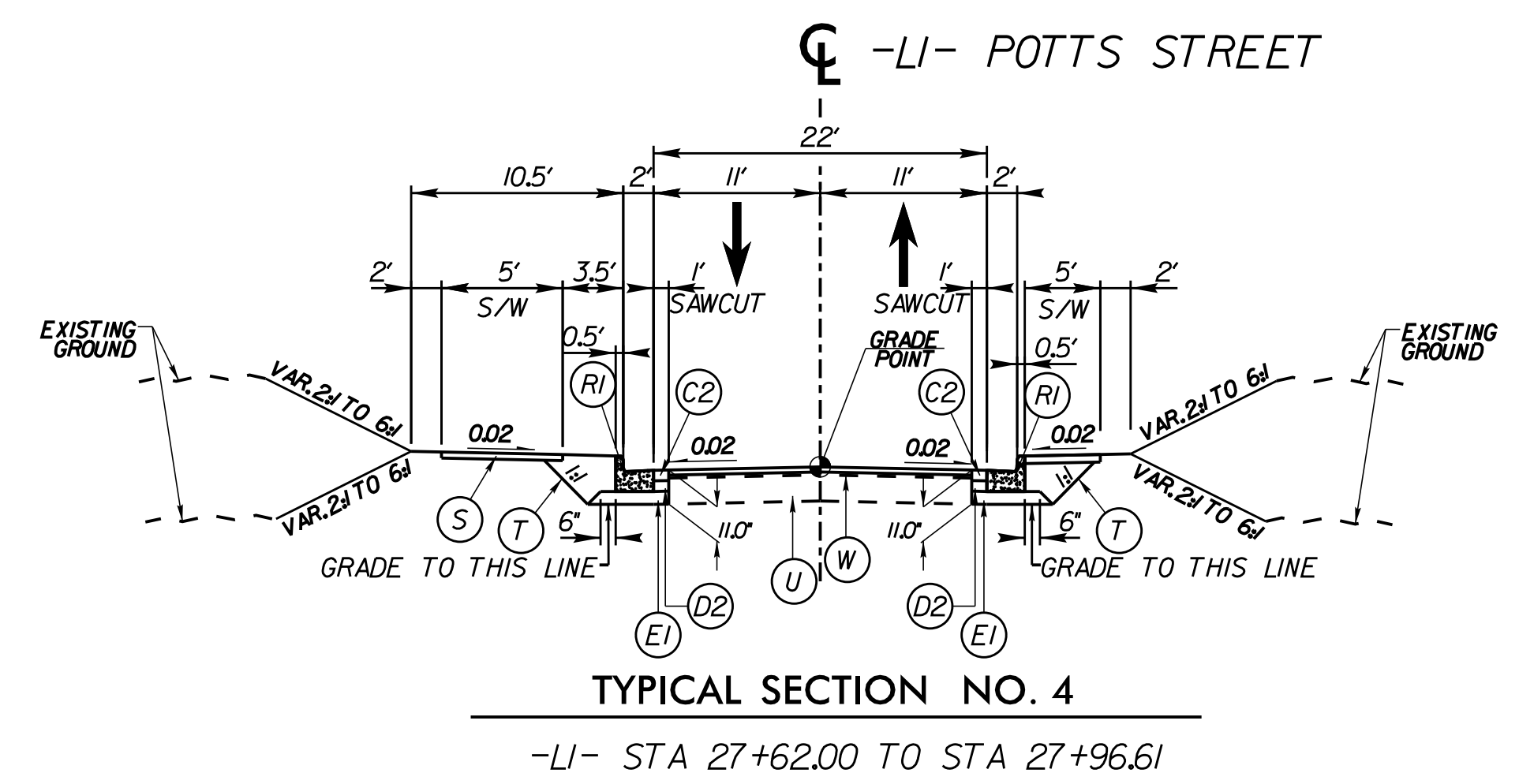
200 SOUTH TRYON, SUITE 200
CHARLOTTE, N.C. 28202

RIGHT-OF-WAY REV.

CONST. REV.

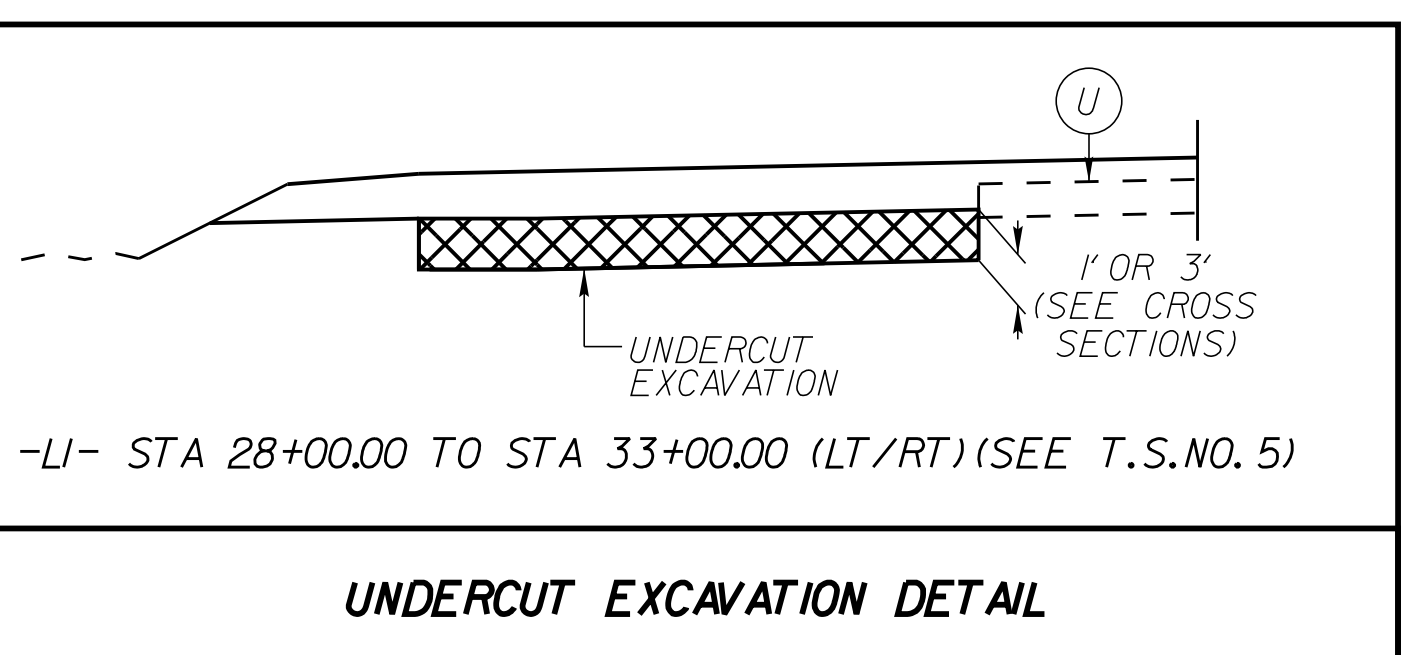
PROJECT REFERENCE NO. U-5907	SHEET NO. 2A-2
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
11/3/2023	11/4/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



PAVEMENT SCHEDULE (FINAL PAVEMENT DESIGN)	
A1	12" TRUCK MOUNTABLE CONCRETE APRON (CLASS AA)
A2	12" TRUCK MOUNTABLE CONCRETE APRON, W/ BLACK TINT (CLASS AA)
A3	PROPOSED 6" PORTLAND CEMENT CONCRETE PAVEMENT, CLASS B
C1	15" S9.5B
C2	30" S9.5B
C3	VAR. DEPTH S9.5B
D1	2.5" 119.0C
D2	4" 119.0C
D3	VAR. DEPTH 119.0C
E1	40" B25.0C
E2	50" B25.0C
E3	VAR. DEPTH B25.0C
R1	2'-6" CONCRETE CURB & GUTTER
R2	1'-6" CONCRETE CURB & GUTTER
R3	8" x 12" CURB
R4	8" x 18" CURB
R5	5' MONO-ISLAND (KEYED-IN)
S	4" CONCRETE SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT
V1	INCIDENTAL MILLING
V2	PROPOSED 15" MILLING
W	WEDGING

NOTES:
1. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS OTHERWISE INDICATED
2. REFER TO PLAN SHEETS FOR VARIABLE WIDTHS
3. SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT TO PROVIDE 1" MIN FULL DEPTH ASPHALT PAVEMENT
4. UTILIZE WELDED WIRE MESH (6x6 W5xW5) IN ALL PROPOSED 12" TRUCK MOUNTABLE APRONS

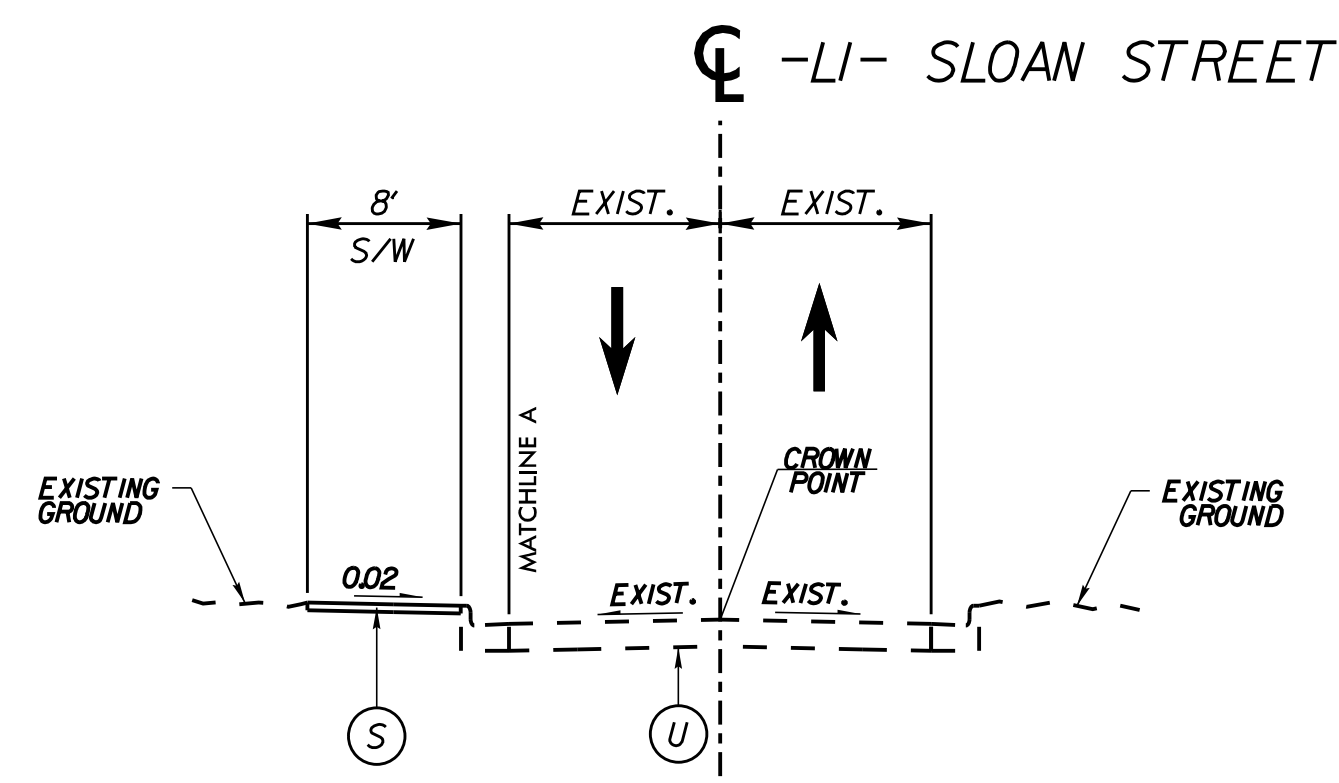


11/3/2023

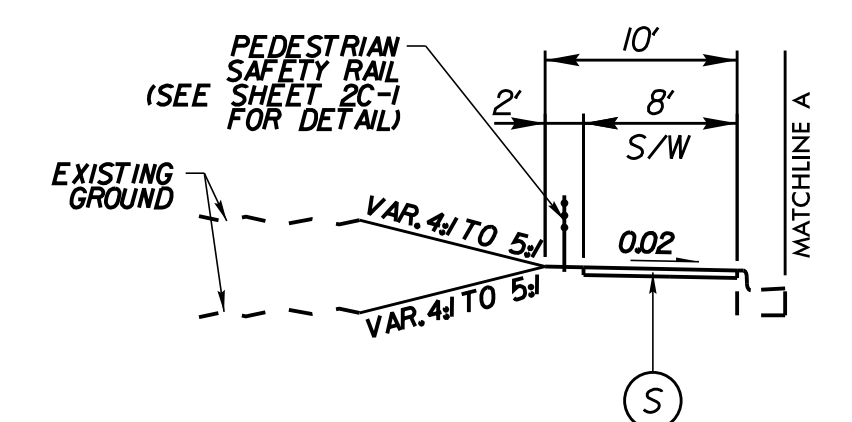


PROJECT REFERENCE NO. U-5907	SHEET NO. 2A-3
ROADWAY DESIGN ENGINEER SEAL 037923 FRANK WASHINGTON	PAVEMENT DESIGN ENGINEER SEAL 034357 MICHAEL EBERSON
10/26/2023	

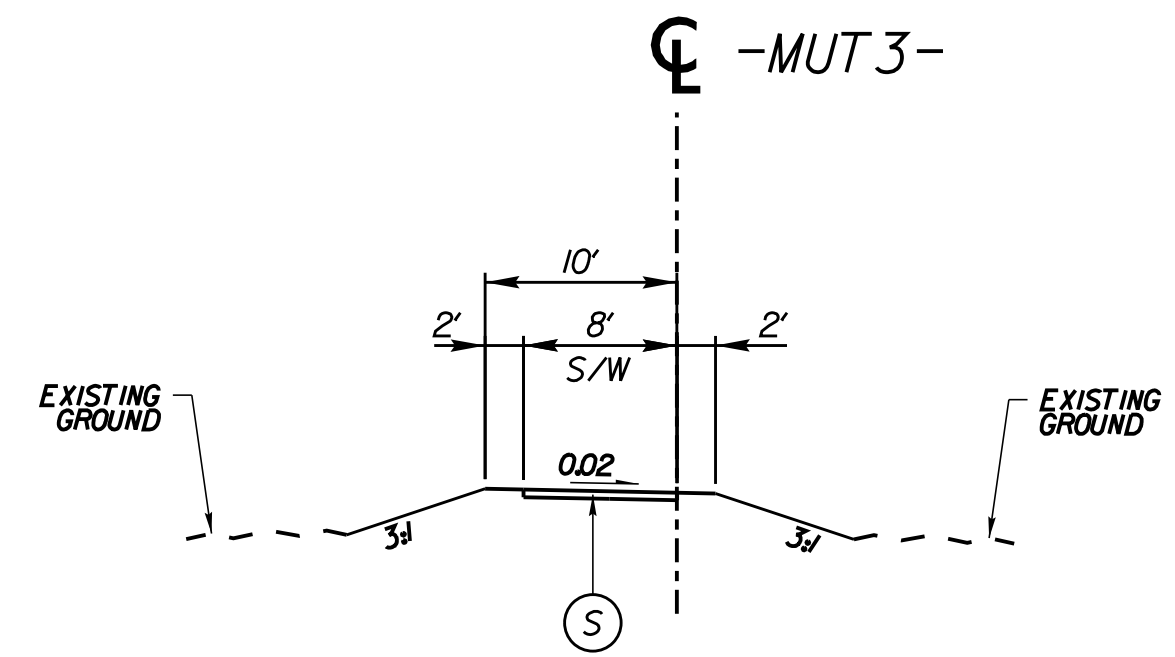
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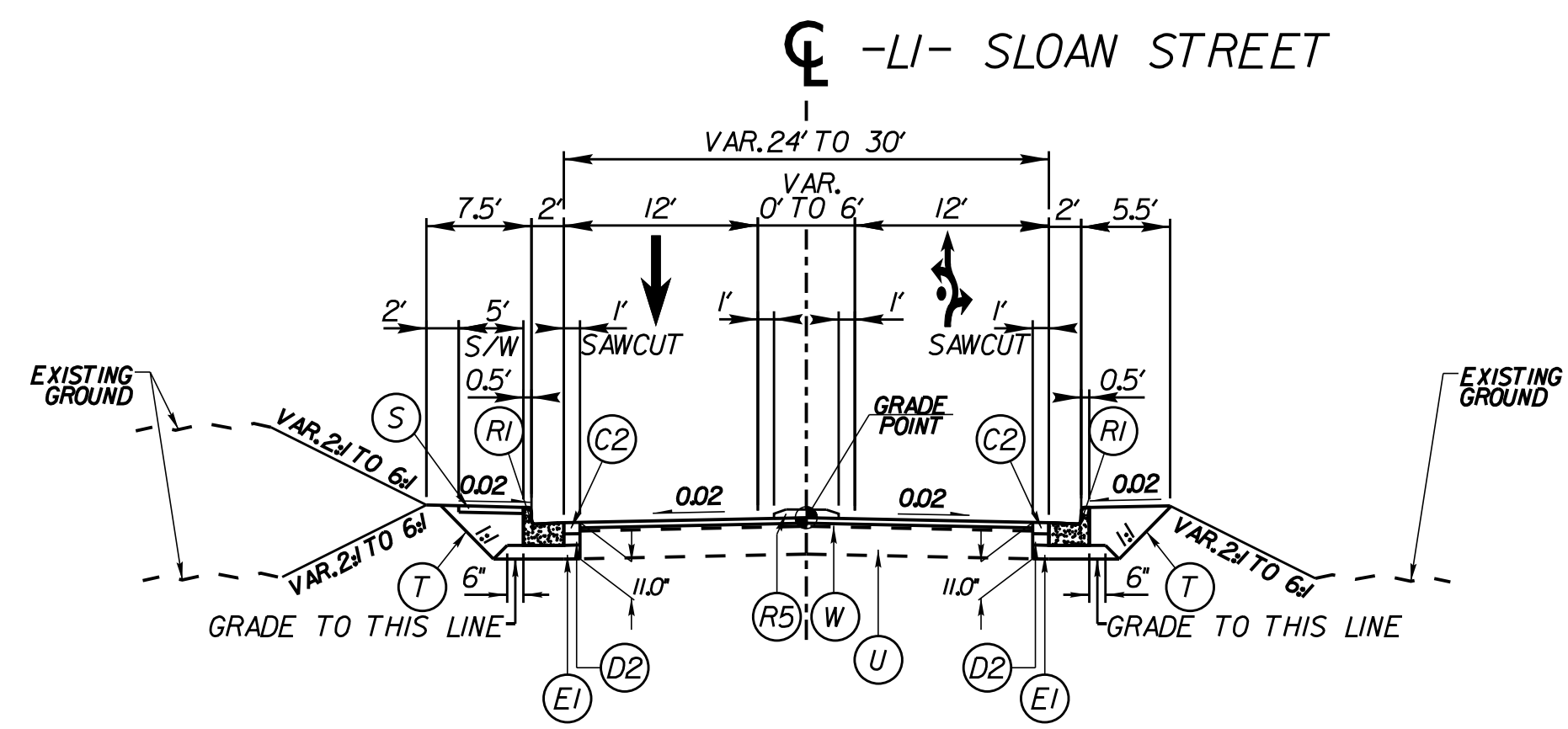
TYPICAL SECTION NO. 6
-LI- STA 33+33.19 TO STA 38+09.04



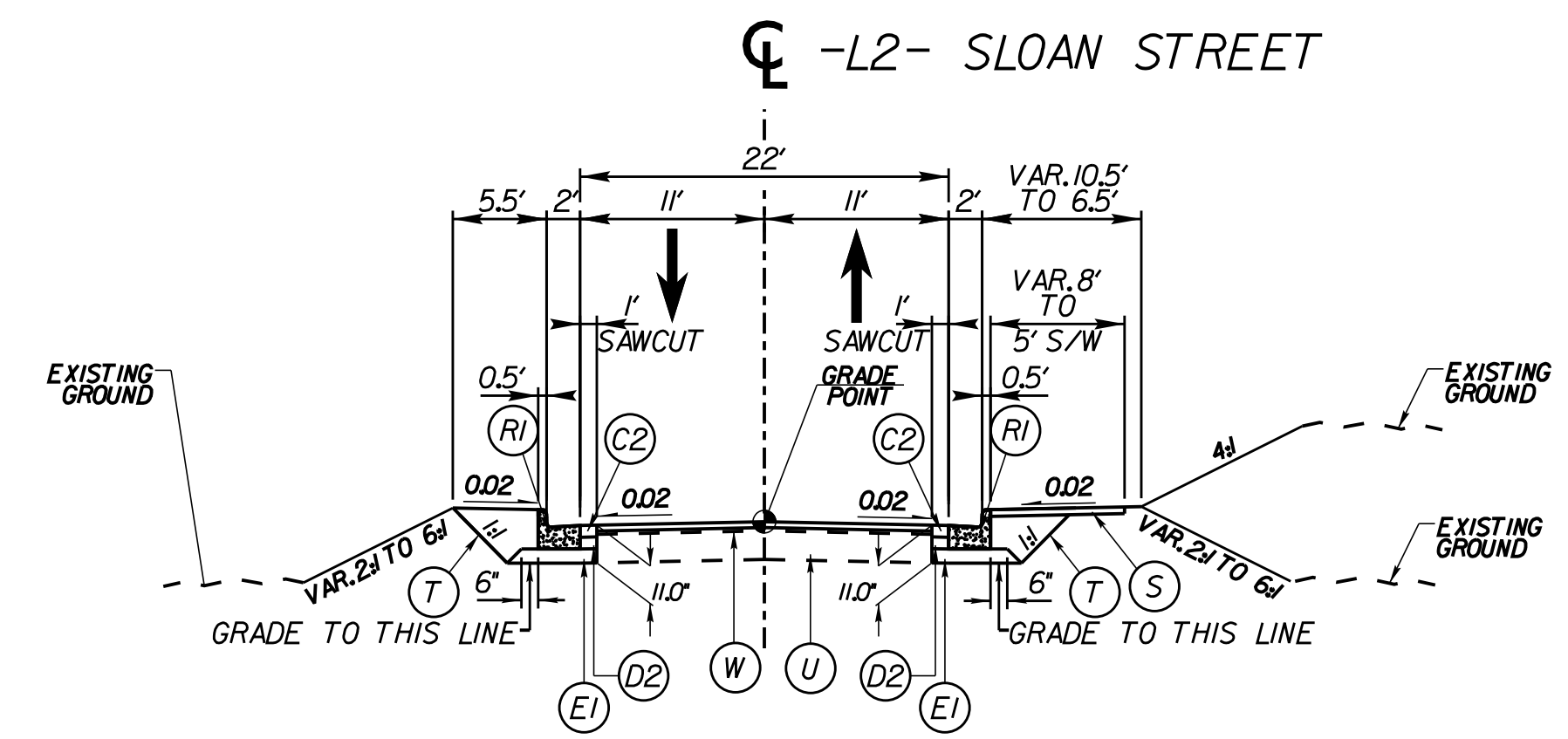
TYPICAL SECTION NO. 6A
-LI- STA 34+83.19 TO STA 35+80.00
-LI- STA 37+30.00 TO STA 38+05.00



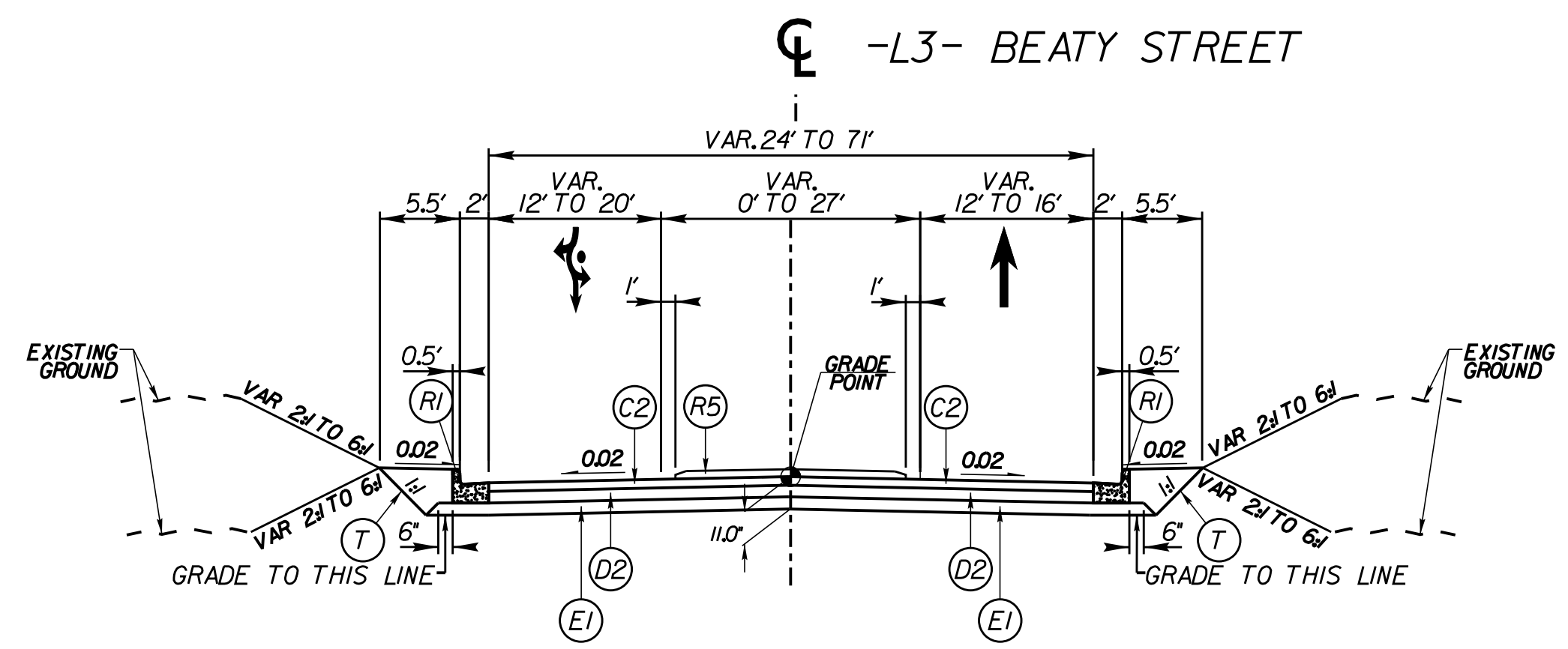
TYPICAL SECTION NO. 7
-MUT 3- STA 14+75.85 TO STA 16+52.22



TYPICAL SECTION NO. 8
-LI- STA 41+80.80 TO STA 43+12.66



TYPICAL SECTION NO. 9
-L2- STA 10+11.50 TO STA 10+96.84

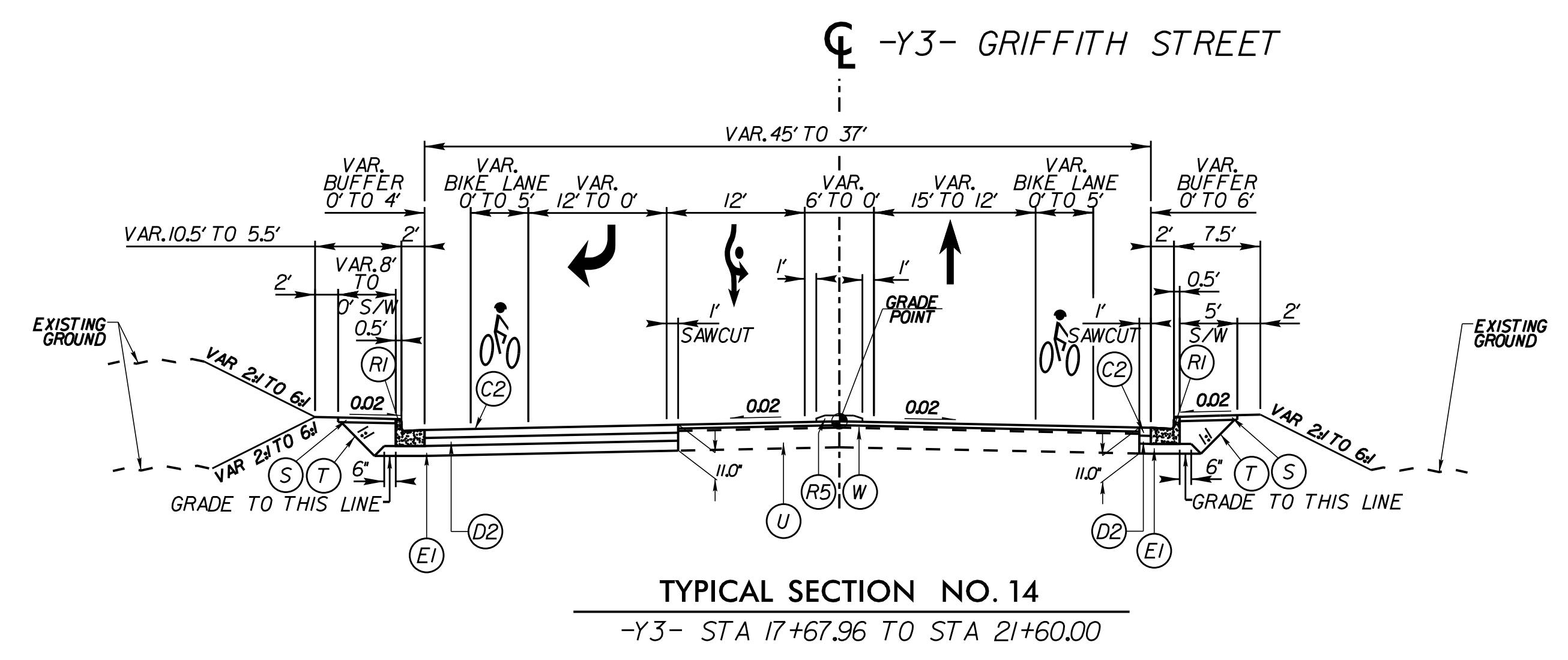
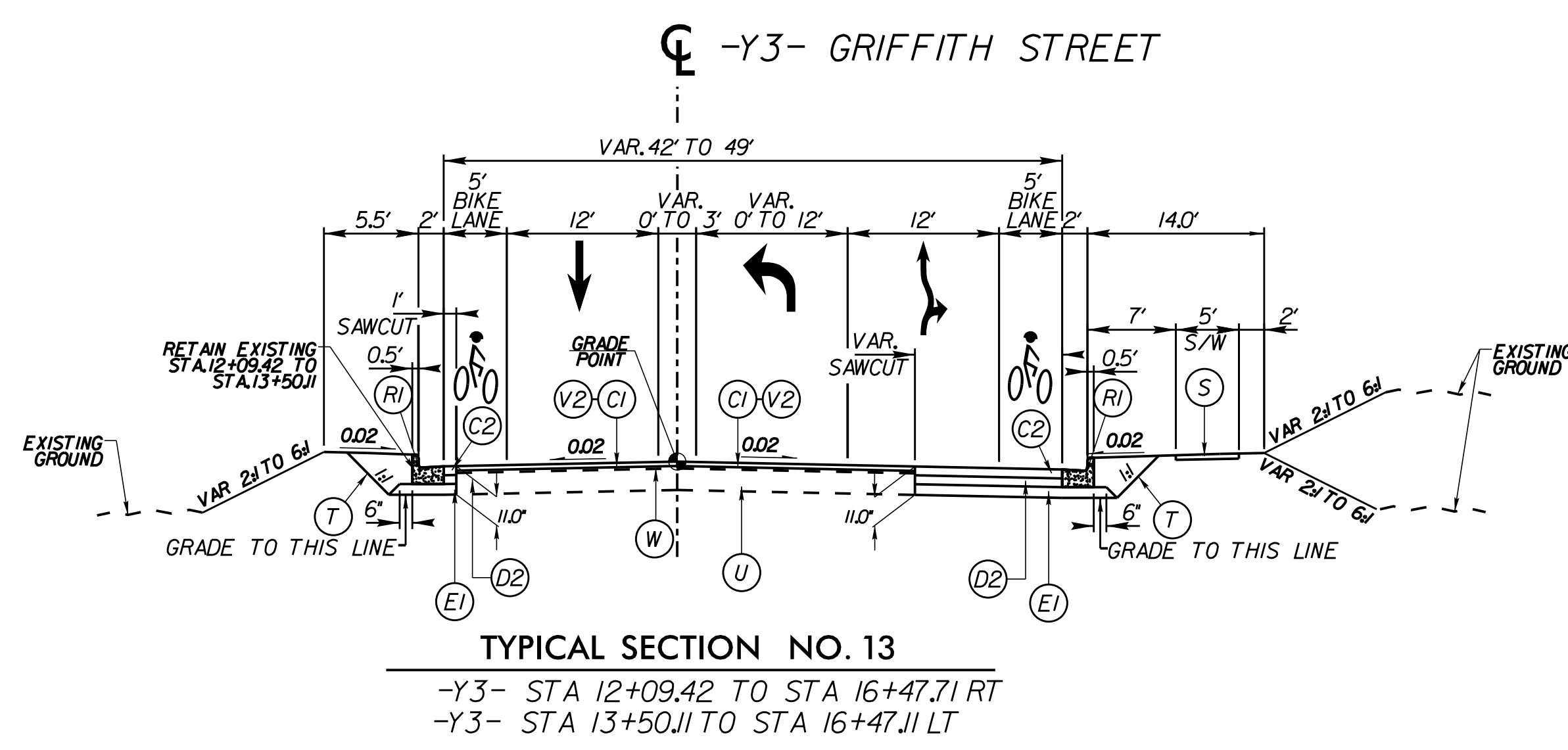
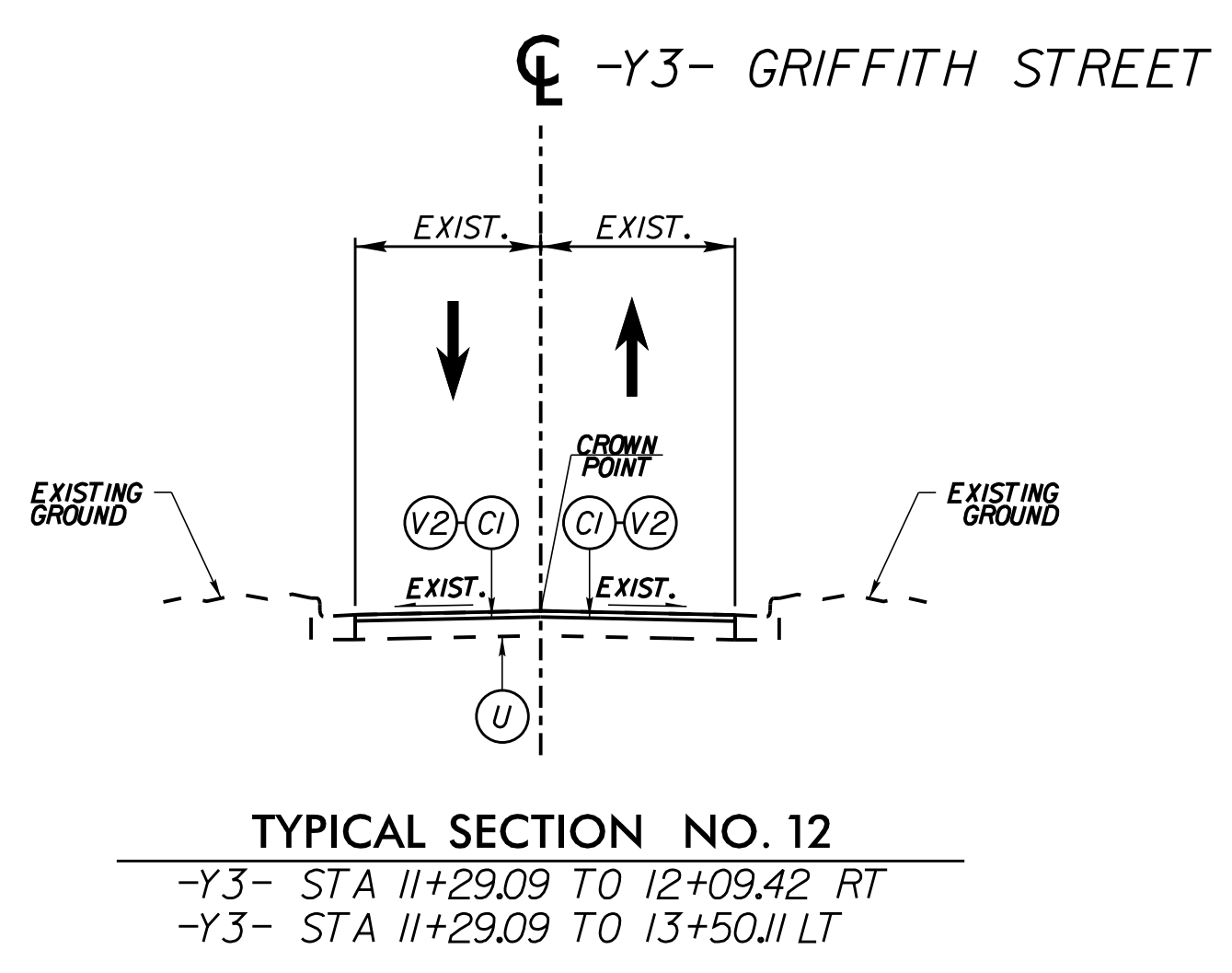
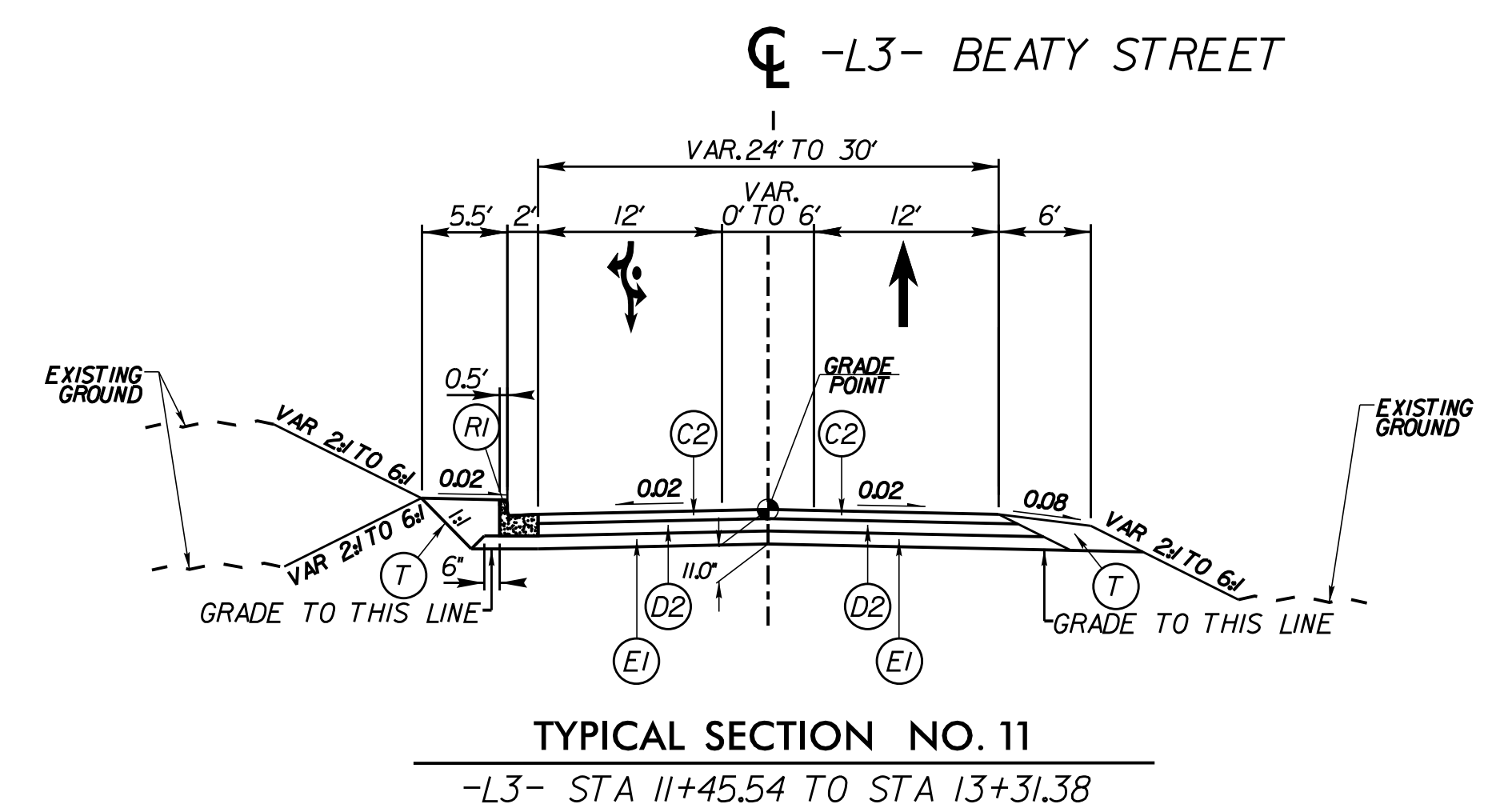


TYPICAL SECTION NO. 10
-L3- STA 10+60.14 TO STA 11+45.54

PAVEMENT SCHEDULE (FINAL PAVEMENT DESIGN)	
A1	12" TRUCK MOUNTABLE CONCRETE APRON (CLASS AA)
A2	12" TRUCK MOUNTABLE CONCRETE APRON, W/ BLACK TINT (CLASS AA)
A3	PROPOSED 6" PORTLAND CEMENT CONCRETE PAVEMENT, CLASS B
C1	15" S9.5B
C2	30" S9.5B
C3	VAR. DEPTH S9.5B
D1	2.5" 119.0C
D2	4" 119.0C
D3	VAR. DEPTH 119.0C
E1	40" B25.0C
E2	50" B25.0C
E3	VAR. DEPTH B25.0C
R1	2'-6" CONCRETE CURB & GUTTER
R2	1'-6" CONCRETE CURB & GUTTER
R3	8" x 12" CURB
R4	8" x 18" CURB
R5	5' MONO-ISLAND (KEYED-IN)
S	4" CONCRETE SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT
V1	INCIDENTAL MILLING
V2	PROPOSED 15" MILLING
W	WEDGING

NOTES:
1. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS OTHERWISE INDICATED
2. REFER TO PLAN SHEETS FOR VARIABLE WIDTHS
3. SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT TO PROVIDE 1" MIN FULL DEPTH ASPHALT PAVEMENT
4. UTILIZE WELDED WIRE MESH (6x6 W5xW5) IN ALL PROPOSED 12" TRUCK MOUNTABLE APRONS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



PAVEMENT SCHEDULE (FINAL PAVEMENT DESIGN)	
A1	12" TRUCK MOUNTABLE CONCRETE APRON (CLASS AA)
A2	12" TRUCK MOUNTABLE CONCRETE APRON, W/ BLACK TINT (CLASS AA)
A3	PROPOSED 6" PORTLAND CEMENT CONCRETE PAVEMENT, CLASS B
C1	15' S9.5B
C2	3.0' S9.5B
C3	VAR. DEPTH S9.5B
D1	2.5' 119.0C
D2	4' 119.0C
D3	VAR. DEPTH 119.0C
E1	4.0' B25.0C
E2	5.0' B25.0C
E3	VAR. DEPTH B25.0C
R1	2'-6" CONCRETE CURB & GUTTER
R2	1'-6" CONCRETE CURB & GUTTER
R4	8" x 18" CURB
R3	8" x 12" CURB
R5	5' MONO-ISLAND (KEYED-IN)
S	4" CONCRETE SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT
V1	INCIDENTAL MILLING
V2	PROPOSED 15" MILLING
W	WEDGING

NOTES:
1. PAVEMENT EDGE SLOPES ARE 1H UNLESS OTHERWISE INDICATED
2. REFER TO PLAN SHEETS FOR VARIABLE WIDTHS
3. SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT TO PROVIDE 1" MIN FULL DEPTH ASPHALT PAVEMENT
4. UTILIZE WELDED WIRE MESH (6x6 W5xW5) IN ALL PROPOSED 12" TRUCK MOUNTABLE APRONS

PROJECT REFERENCE NO. U-5907	SHEET NO. 2A-5
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
10/26/2023	10/26/2023

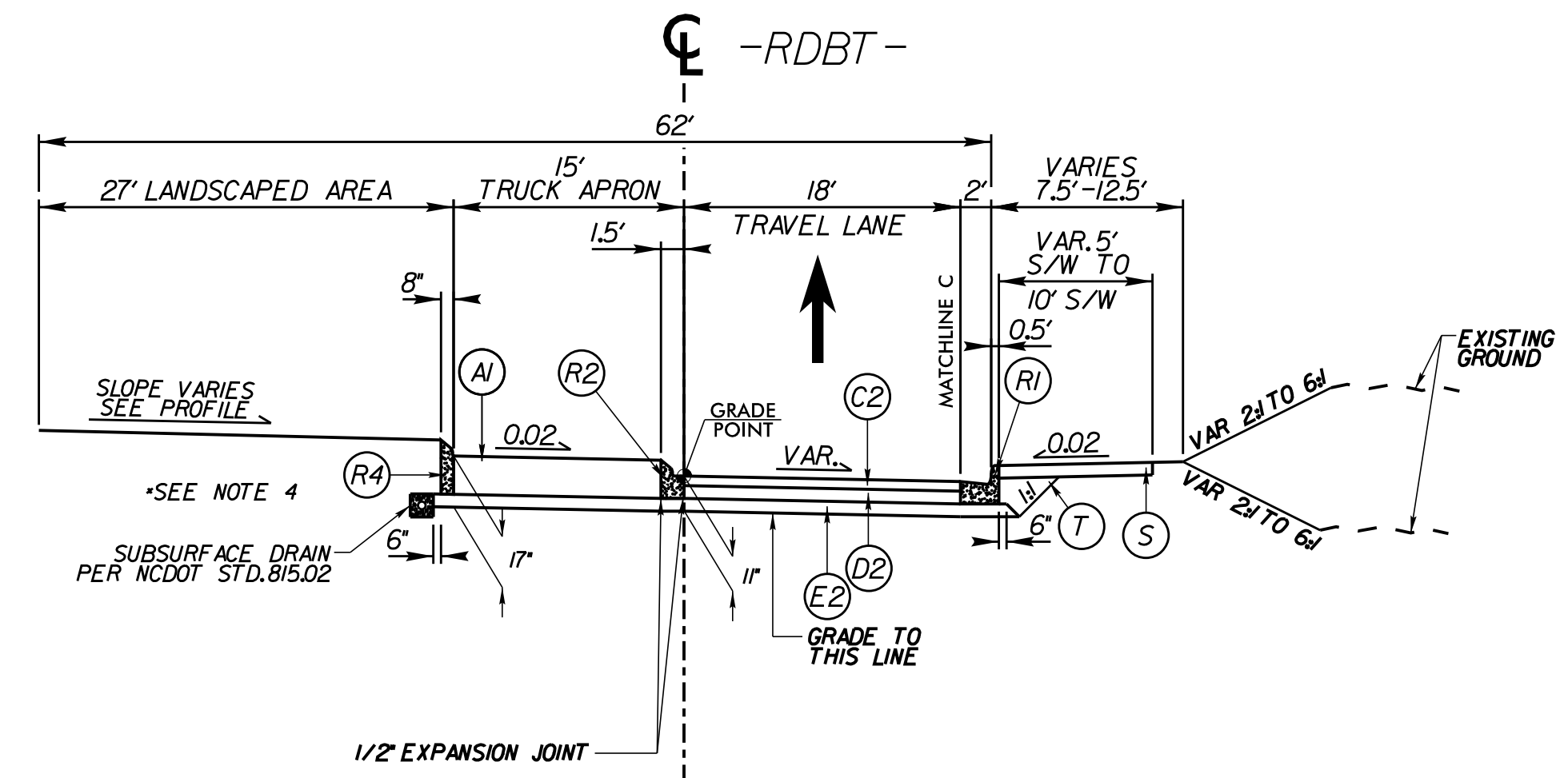
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PAVEMENT SCHEDULE

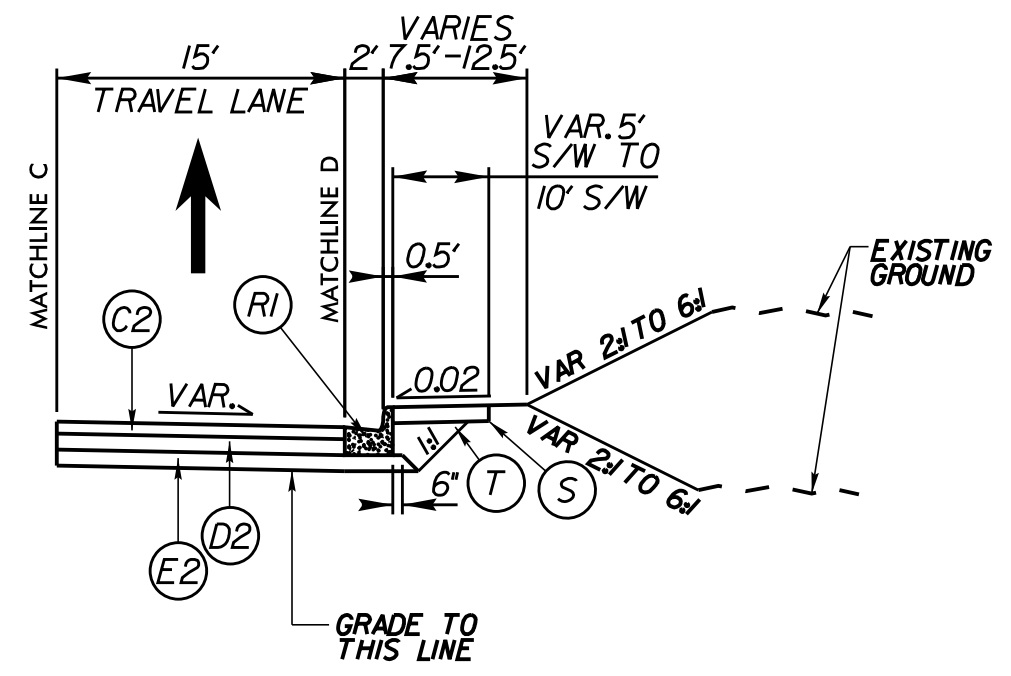
(FINAL PAVEMENT DESIGN)

A1	1/2" TRUCK MOUNTABLE CONCRETE APRON (CLASS AA)
A2	1/2" TRUCK MOUNTABLE CONCRETE APRON, W/ BLACK TINT (CLASS AA)
A3	PROPOSED 6" PORTLAND CEMENT CONCRETE PAVEMENT, CLASS B
C1	15' S9.5B
C2	30' S9.5B
C3	VAR. DEPTH S9.5B
D1	2.5' 119DC
D2	4' 119DC
D3	VAR. DEPTH 119DC
E1	40' B25DC
E2	50' B25DC
E3	VAR. DEPTH B25DC
R1	2'-6" CONCRETE CURB & GUTTER
R2	1'-6" CONCRETE CURB & GUTTER
R3	8" x 12" CURB
R4	8" x 18" CURB
R5	5" MONO-ISLAND (KEYED-IN)
S	4" CONCRETE SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT
V1	INCIDENTAL MILLING
V2	PROPOSED 15' MILLING
W	WEDGING

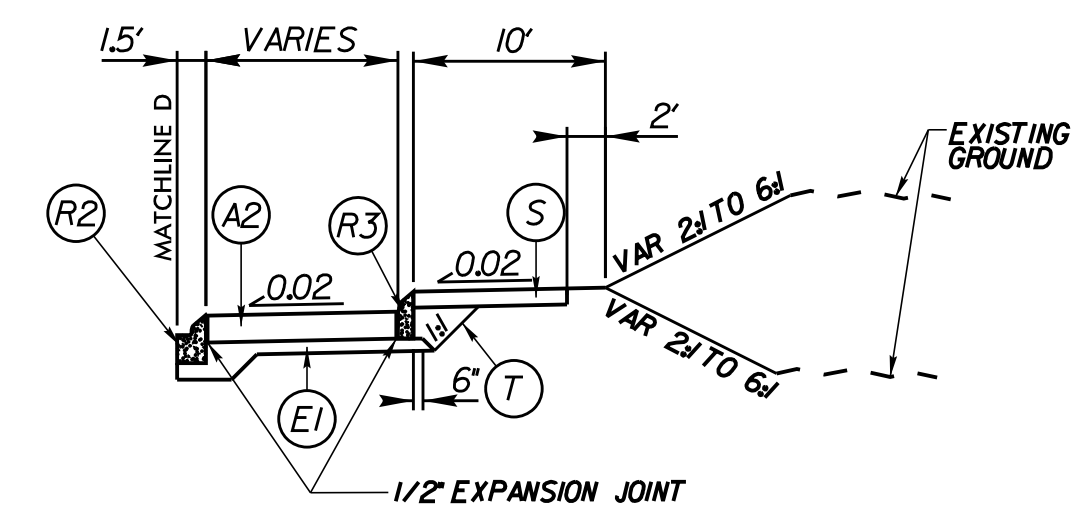
NOTES:
1. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS OTHERWISE INDICATED
2. REFER TO PLAN SHEETS FOR VARIABLE WIDTHS
3. SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT TO PROVIDE 1" MIN FULL DEPTH ASPHALT PAVEMENT
4. UTILIZE WELDED WIRE MESH (6x6 W5xW5) IN ALL PROPOSED 12" TRUCK MOUNTABLE APRONS



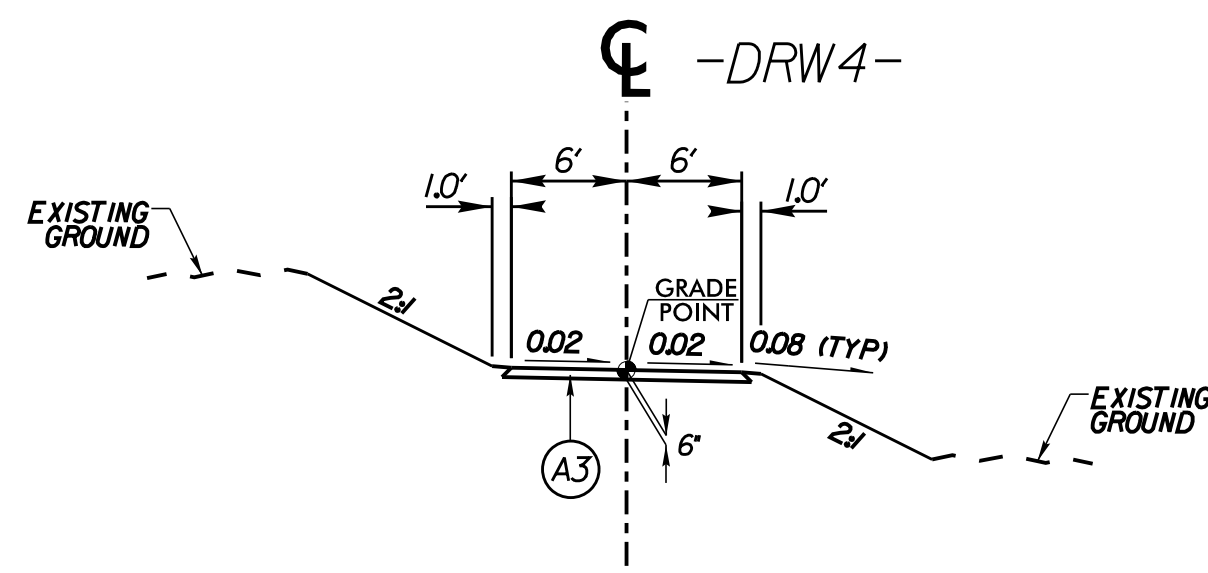
TYPICAL SECTION NO. 15
-RDBT- STA 10+00.00 TO STA 12+63.89



TYPICAL SECTION NO. 15A
-RDBT- STA 10+30.00 TO STA 11+00.00



TYPICAL SECTION NO. 15B
-CURB 1B- STA 11+43.08 TO STA 12+14.73
-CURB 1C- STA 10+52.07 TO STA 11+54.74



TYPICAL SECTION NO. 16
-DRW4- STA 10+13.00 TO STA 10+50.13

SUBSURFACE DRAINS SUMMARY

ALIGNMENT	STATION	STATION	LOCATION	CYCL
-RDBT-	10+00.00	12+63.89	LT	350
TOTAL:				3350
SAY:				350

5/14/19/91

ROUNDABOUT GEOMETRY SHEET

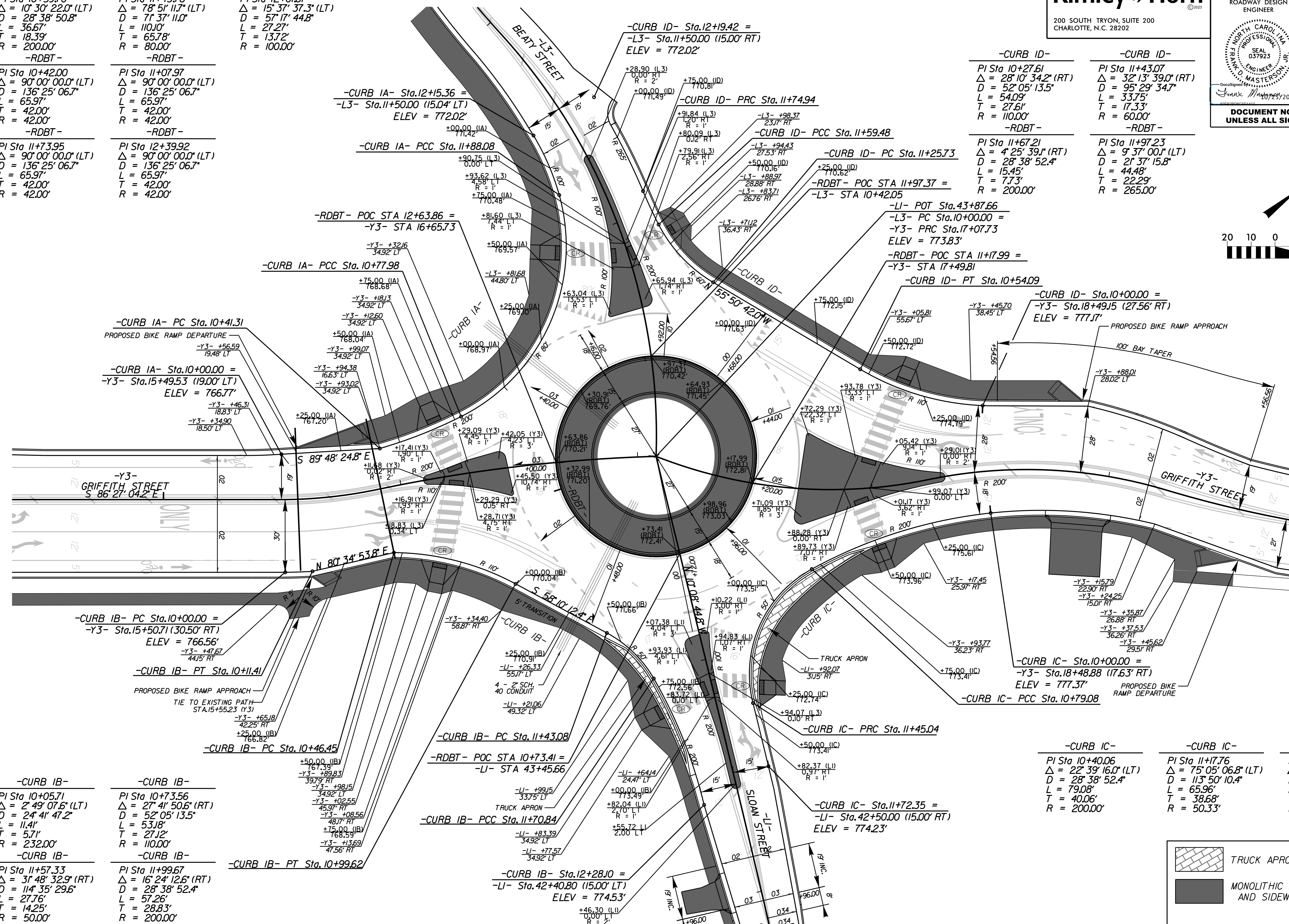
Kimley»Horn

200 SOUTH TRYON, SUITE 200
CHARLOTTE, N.C. 28202

PROJECT REFERENCE NO. U-5907		SHEET NO. 2B-1	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
Documented 10/25/2023		Documented 10/26/2023	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

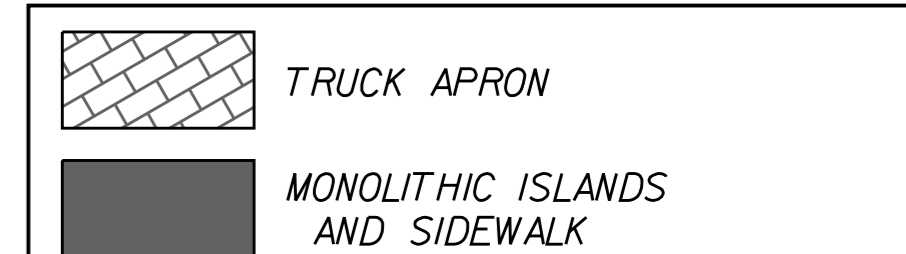
-CURB IA- PI Sta 10+59.70 Δ = 10° 30' 22.0" (LT) D = 28° 38' 50.8" L = 36.67' T = 18.39' R = 200.00' -RDBT- PI Sta 10+42.00 Δ = 90° 00' 00.0" (LT) D = 136° 25' 06.7" L = 65.97' T = 42.00' R = 42.00' -RDBT- PI Sta 11+73.95 Δ = 90° 00' 00.0" (LT) D = 136° 25' 06.7" L = 65.97' T = 42.00' R = 42.00'	-CURB IA- PI Sta 11+43.76 Δ = 78° 51' 11.7" (LT) D = 71° 37' 11.0" L = 110.0' T = 65.78' R = 80.00' -RDBT- PI Sta 11+07.97 Δ = 90° 00' 00.0" (LT) D = 136° 25' 06.7" L = 65.97' T = 42.00' R = 42.00' -RDBT- PI Sta 12+39.92 Δ = 90° 00' 00.0" (LT) D = 136° 25' 06.7" L = 65.97' T = 42.00' R = 42.00'	-CURB IA- PI Sta 12+01.81 Δ = 15° 37' 37.3" (LT) D = 57° 17' 44.8" L = 27.27' T = 13.72' R = 100.00'
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-CURB ID- PI Sta 10+27.61 Δ = 28° 10' 34.2" (RT) D = 52° 05' 13.5" L = 54.09' T = 27.61' R = 110.00' -RDBT- PI Sta 11+67.21 Δ = 4° 25' 39.1" (RT) D = 28° 38' 52.4" L = 15.45' T = 7.73' R = 200.00'	-CURB ID- PI Sta 11+43.07 Δ = 32° 13' 39.0" (RT) D = 95° 29' 34.7" L = 33.75' T = 17.33' R = 60.00' -RDBT- PI Sta 11+97.23 Δ = 9° 37' 00.1" (LT) D = 21° 37' 15.8" L = 44.48' T = 22.29' R = 265.00'
---	---


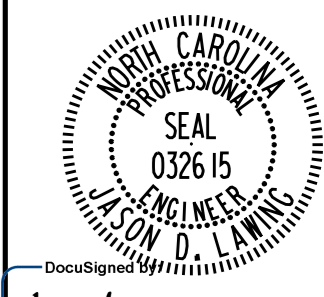


-CURB IB- PI Sta 10+05.71 Δ = 2° 49' 07.6" (LT) D = 24° 41' 47.2" L = 11.41' T = 5.71' R = 232.00' -CURB IB- PI Sta 11+57.33 Δ = 31° 48' 32.9" (RT) D = 114° 35' 29.6" L = 27.76' T = 14.25' R = 50.00'	-CURB IB- PI Sta 10+73.56 Δ = 27° 41' 50.6" (RT) D = 52° 05' 13.5" L = 53.18' T = 27.12' R = 110.00' -CURB IB- PI Sta 11+99.67 Δ = 16° 24' 12.6" (RT) D = 28° 38' 52.4" L = 57.26' T = 28.83' R = 200.00'	-CURB IB- PI Sta 10+46.45 Δ = 11° 48' 19.0" (LT) D = 29° 00' 00.0" (LT) L = 11.41' T = 5.71' R = 232.00'
--	--	---

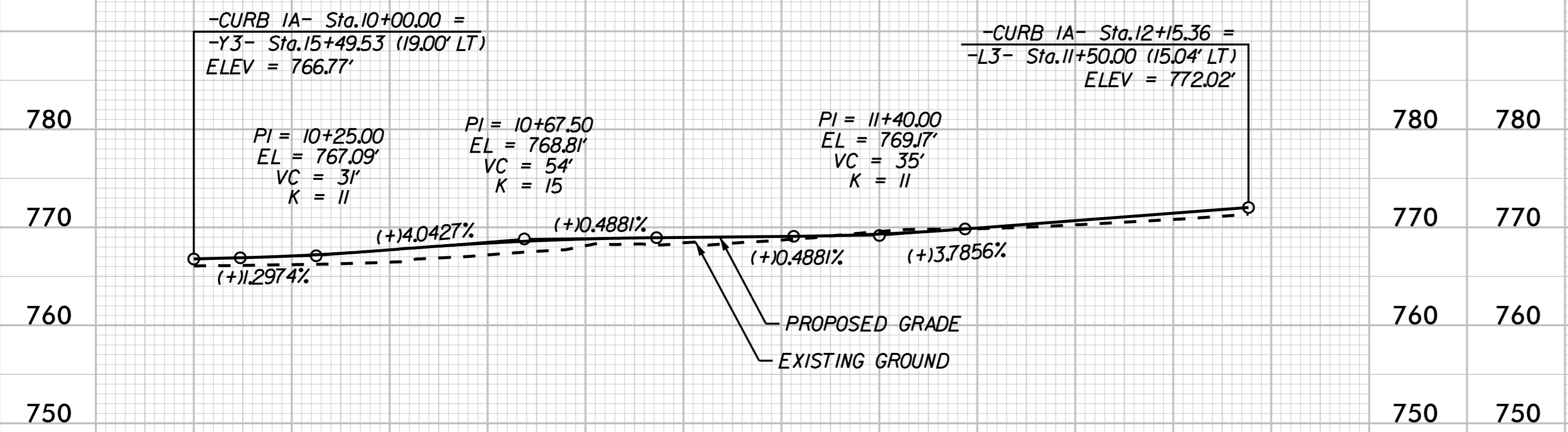
-CURB IB- PI Sta 11+43.08 Δ = 15° 37' 37.3" (LT) D = 57° 17' 44.8" L = 27.27' T = 13.72' R = 100.00' -RDBT- POC STA 10+73.41 = -LI- STA 43+45.66 -CURB IB- PI Sta 11+70.84 Δ = 15° 37' 37.3" (LT) D = 57° 17' 44.8" L = 27.27' T = 13.72' R = 100.00'	-CURB IC- PI Sta 10+40.06 Δ = 22° 39' 16.0" (LT) D = 28° 38' 52.4" L = 79.08' T = 40.06' R = 200.00'	-CURB IC- PI Sta 11+72.35 = -LI- STA 42+50.00 (15.00' LT) ELEV = 774.23'
--	---	--



10/9/2023

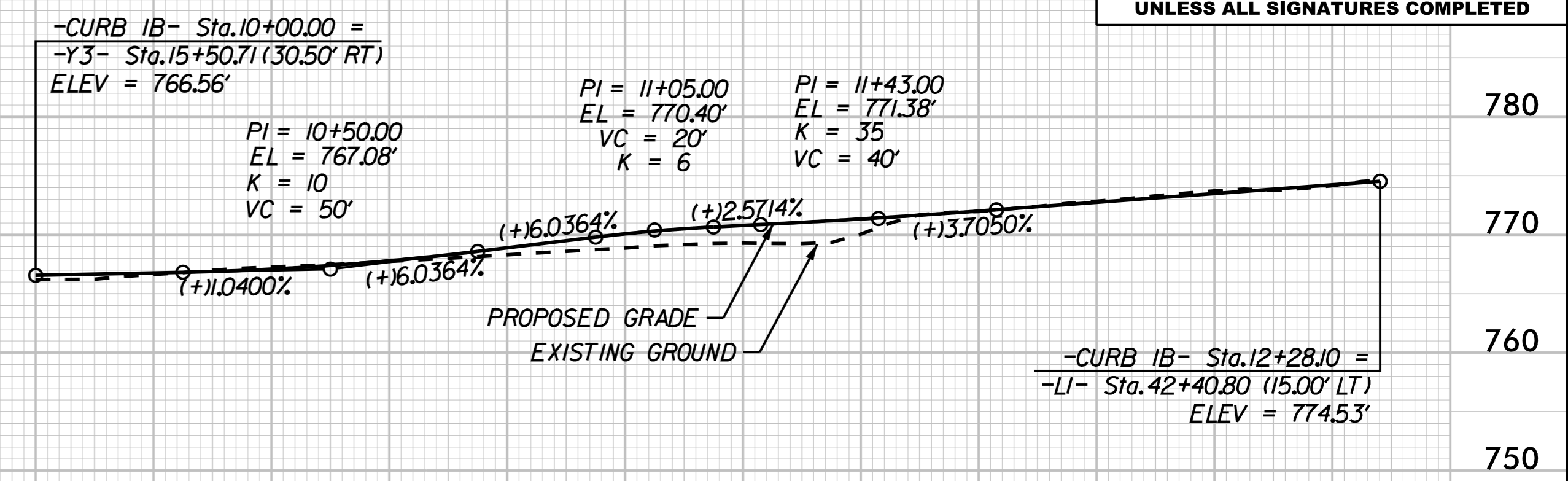
PROJECT REFERENCE NO. U-5907	SHEET NO. 2B-2
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
	
DocuSigned by: Frank D. Masters 10/23/2023	DocuSigned by: Jason Lawing 10/26/2023

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



-CURB 1A-

FOR -CURB 1A- PLAN, SEE SHEET 2B-1

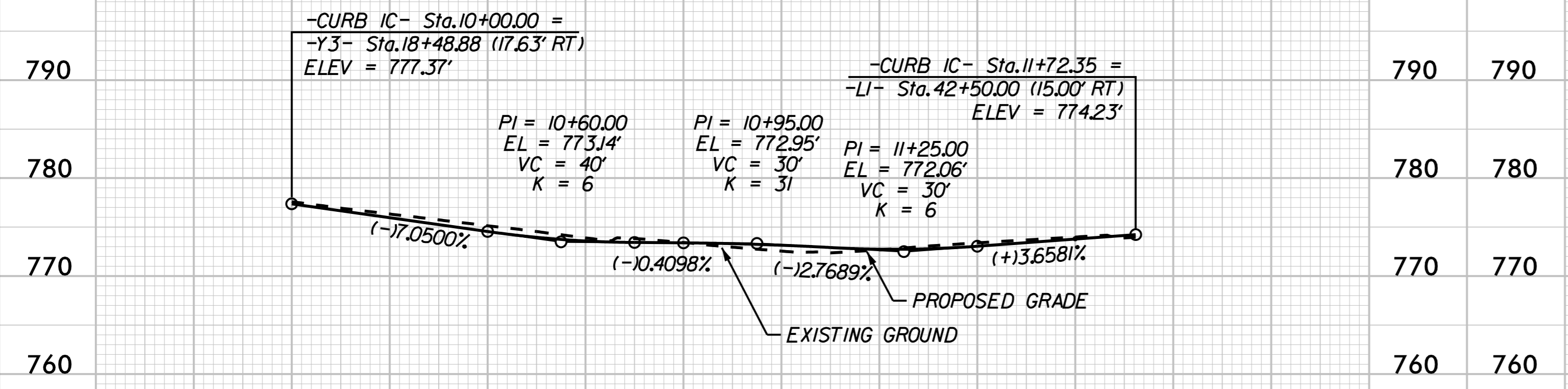


-CURB 1B-

FOR -CURB 1B- PLAN, SEE SHEET 2B-1

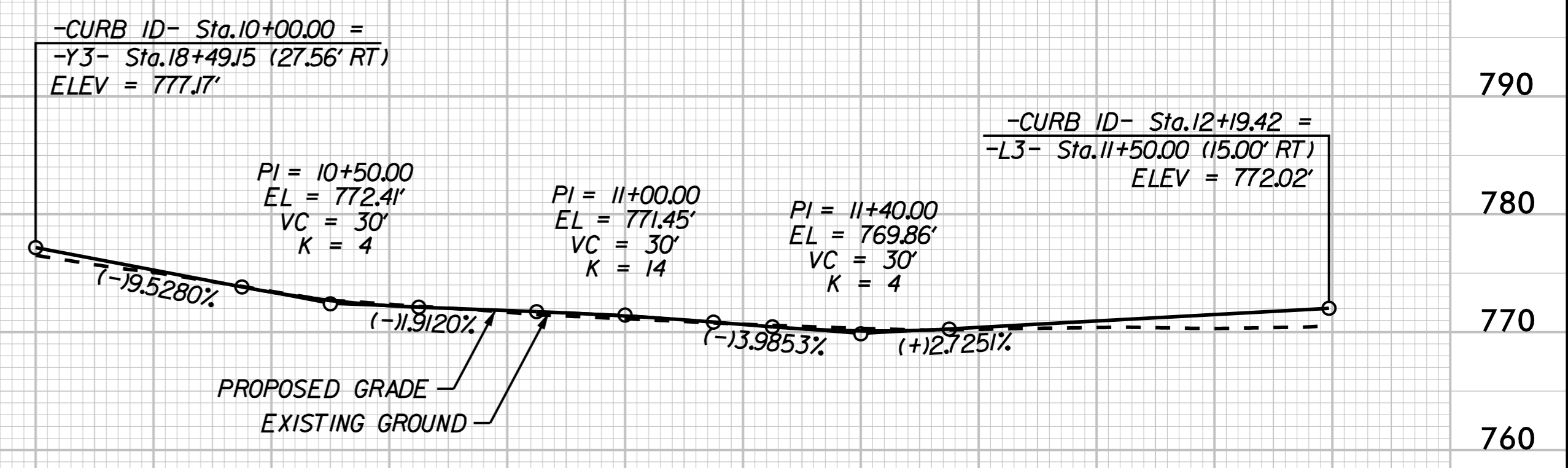
10 11 12

10 11 12



-CURB 1C-

FOR -CURB 1C- PLAN, SEE SHEET 2B-1



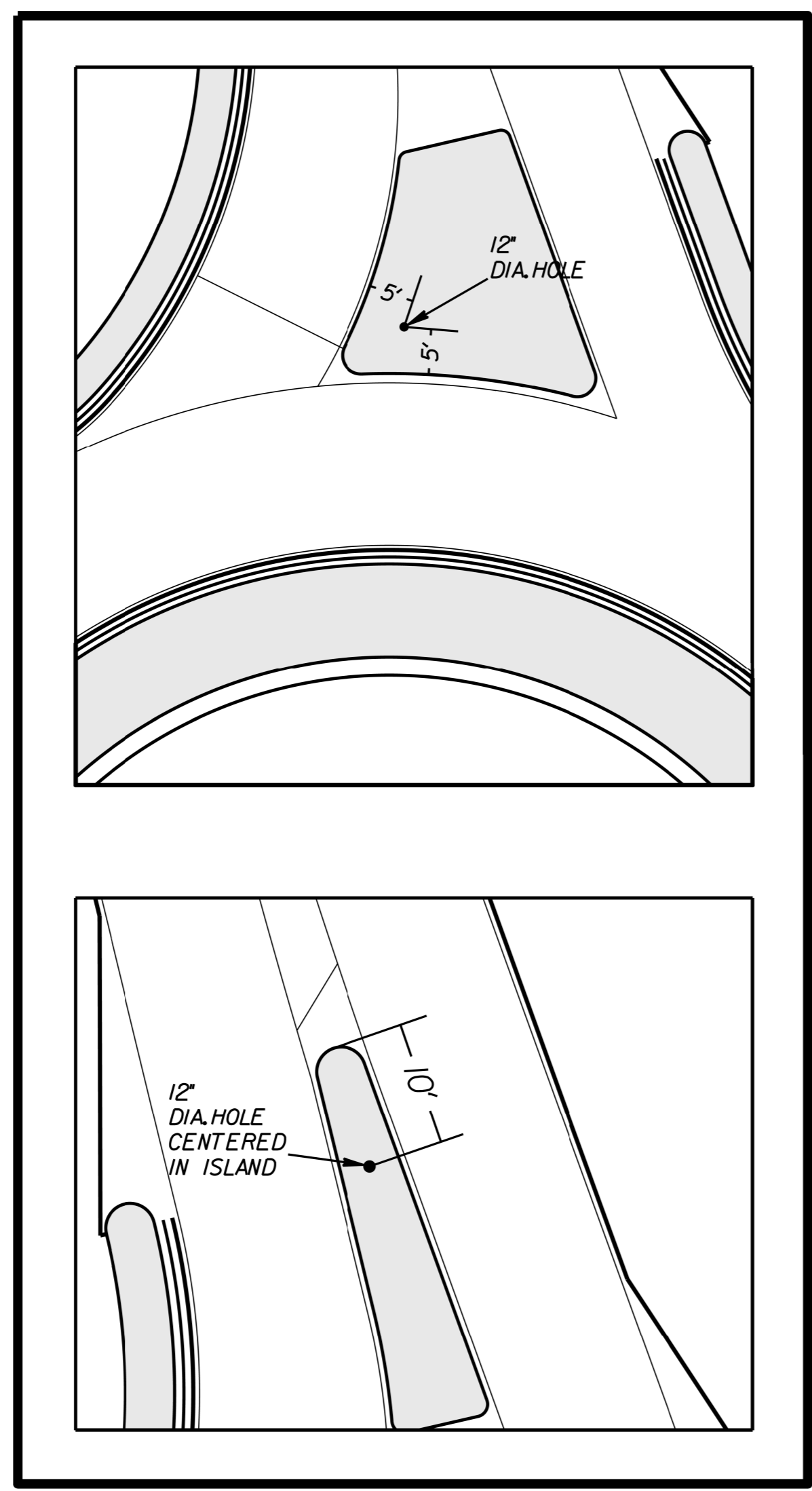
-CURB 1D-

FOR -CURB 1D- PLAN, SEE SHEET 2B-1

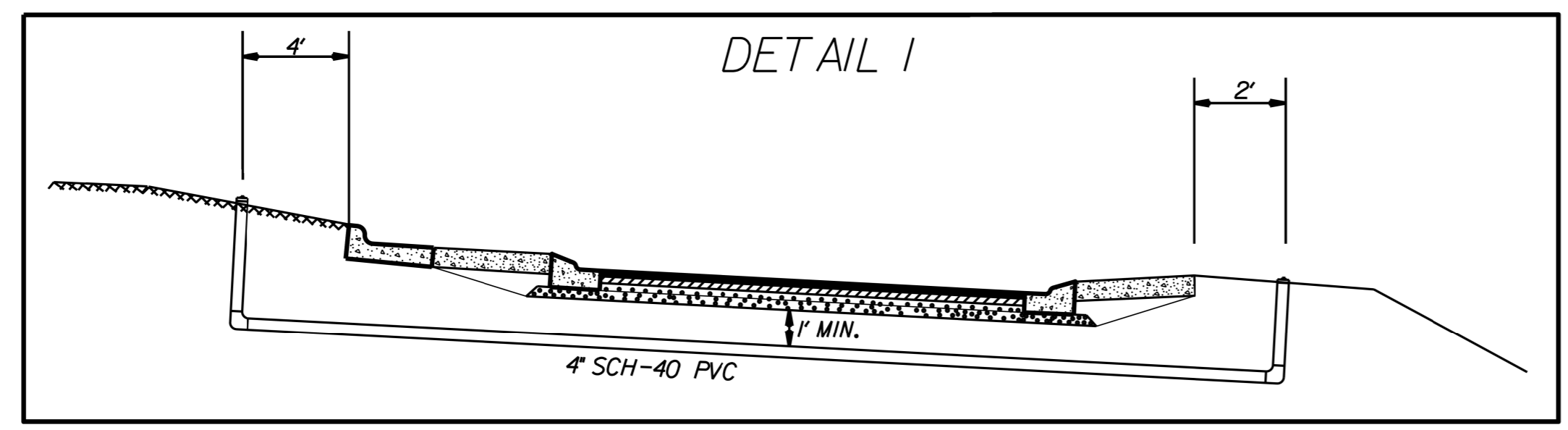
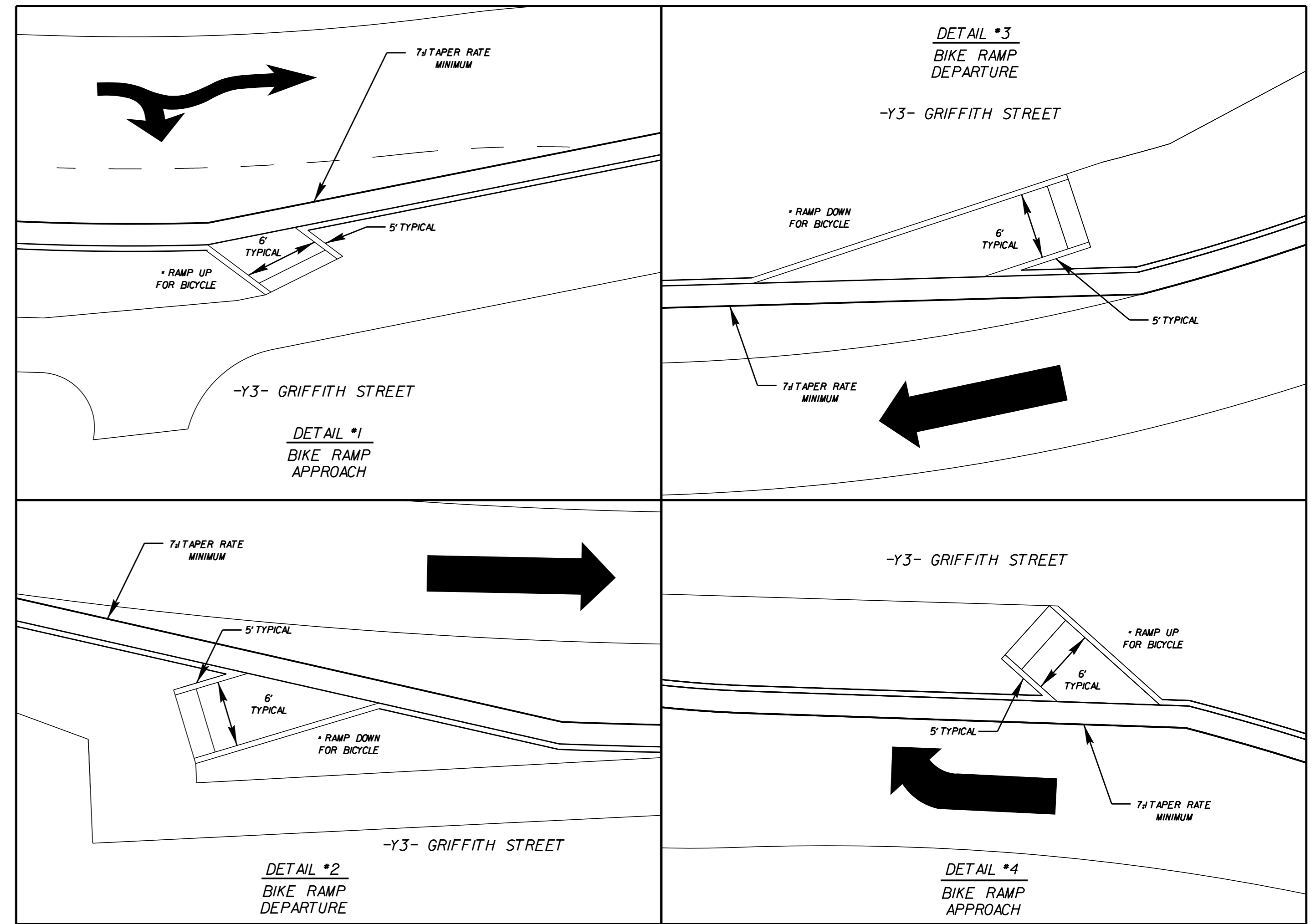
10 11 12

10 11 12

12" DIA. HOLE LOCATION
FOR SIGN U-CHANNEL POST
IN SPLITTER ISLANDS



* NOTE:
1.) 50 ft. minimum distance
to cross walk
2.) 100 ft. minimum distance
to roundabout



PVC PIPE DETAIL

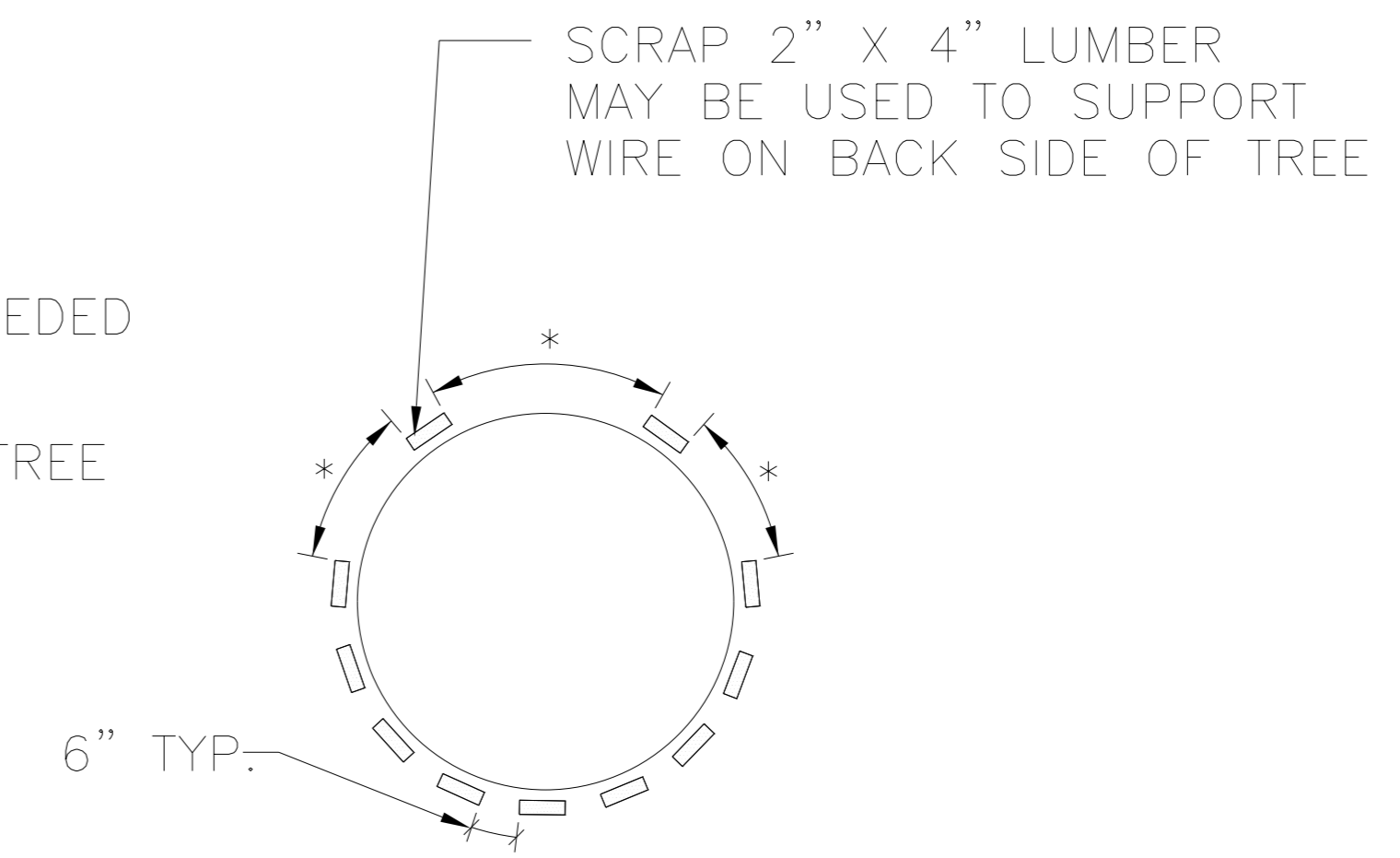
PROJECT REFERENCE NO. U-5907	SHEET NO. 2B-4
ROADWAY DESIGN ENGINEER	
<small>DocuSigned by: Frank D. Masterston</small>	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

NOTES:

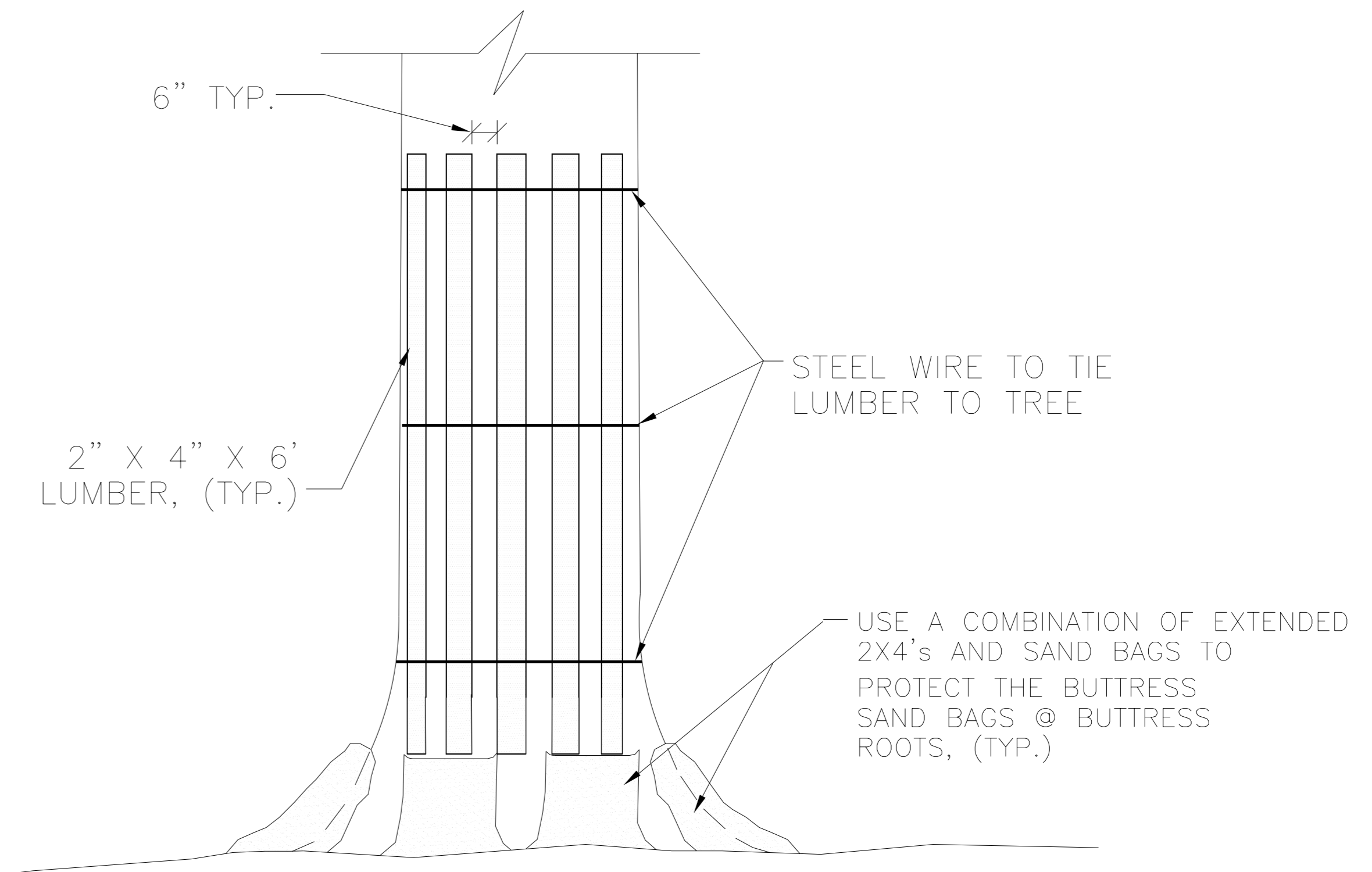
1. THIS TREE BUMPER DETAIL SHALL BE USED WHEN WORKING WITHIN 10' OF AN EXISTING TREE TO BE PROTECTED.
2. ALL TREES SHALL BE SAVED UNLESS NOTED OTHERWISE ON THE PLANS OR DIRECTED BY THE ENGINEER.
3. LUMBER, WIRE AND SANDBAGS MAY BE REUSED FOR OTHER TREES.
4. THE INTENT OF THIS DETAIL IS TO PROTECT EXISTING TREES FROM DAMAGE DURING CONSTRUCTION ESPECIALLY FROM BACKHOE ARM SWING. AN ALTERNATE APPROACH MAY BE USED IF APPROVED IN WRITING BY THE ENGINEER AFTER CONSULTATION WITH THE TOWN ARBORIST OR HIS DULY AUTHORIZED REPRESENTATIVE.

STATIONS:
 -LI- 11+96.00 - 13+02.61
 -LI- 14+45.34 - 16+37.00
 -LI- 17+27.00 - 17+37.00
 -LI- 18+46.00 - 18+99.00
 -LI- 25+20.00 - 26+84.00
 -LI- 27+56.00 - 29+54.00

* SPACING AS NEEDED TO SUPPORT WIRE WITHOUT CUTTING TREE BARK



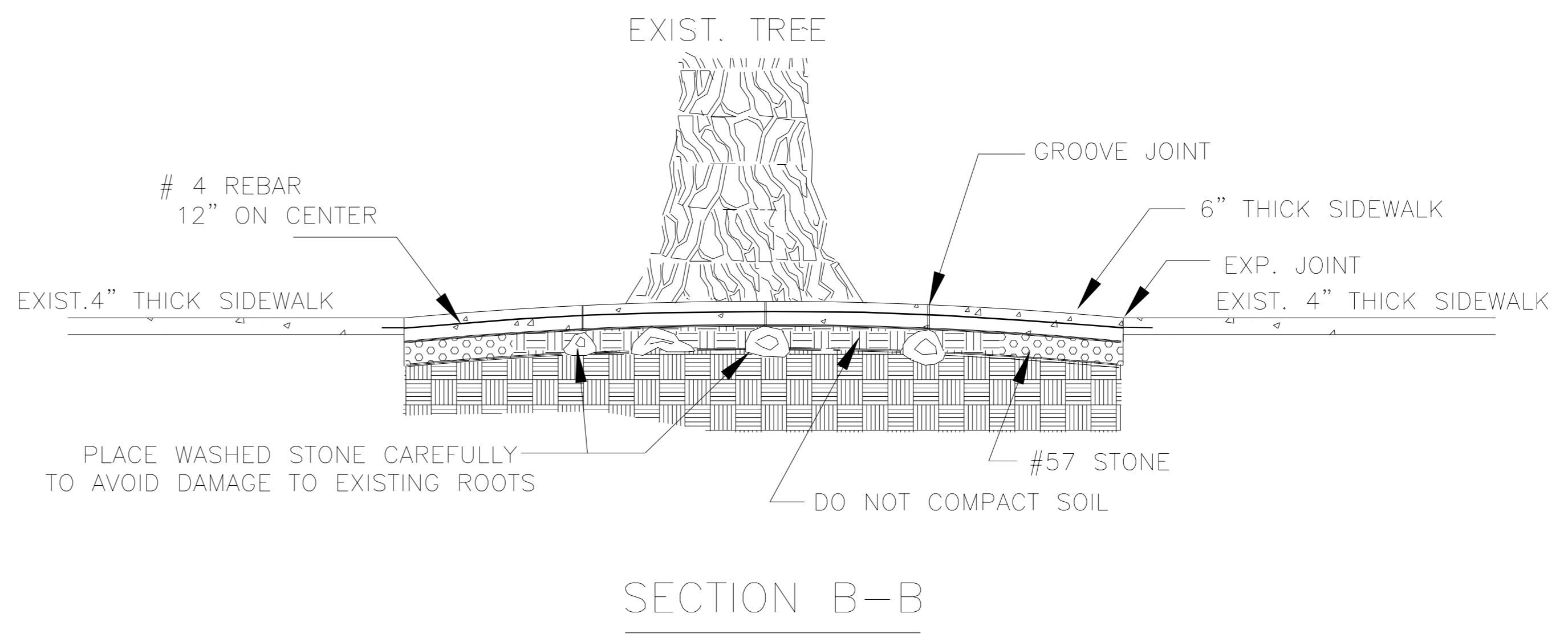
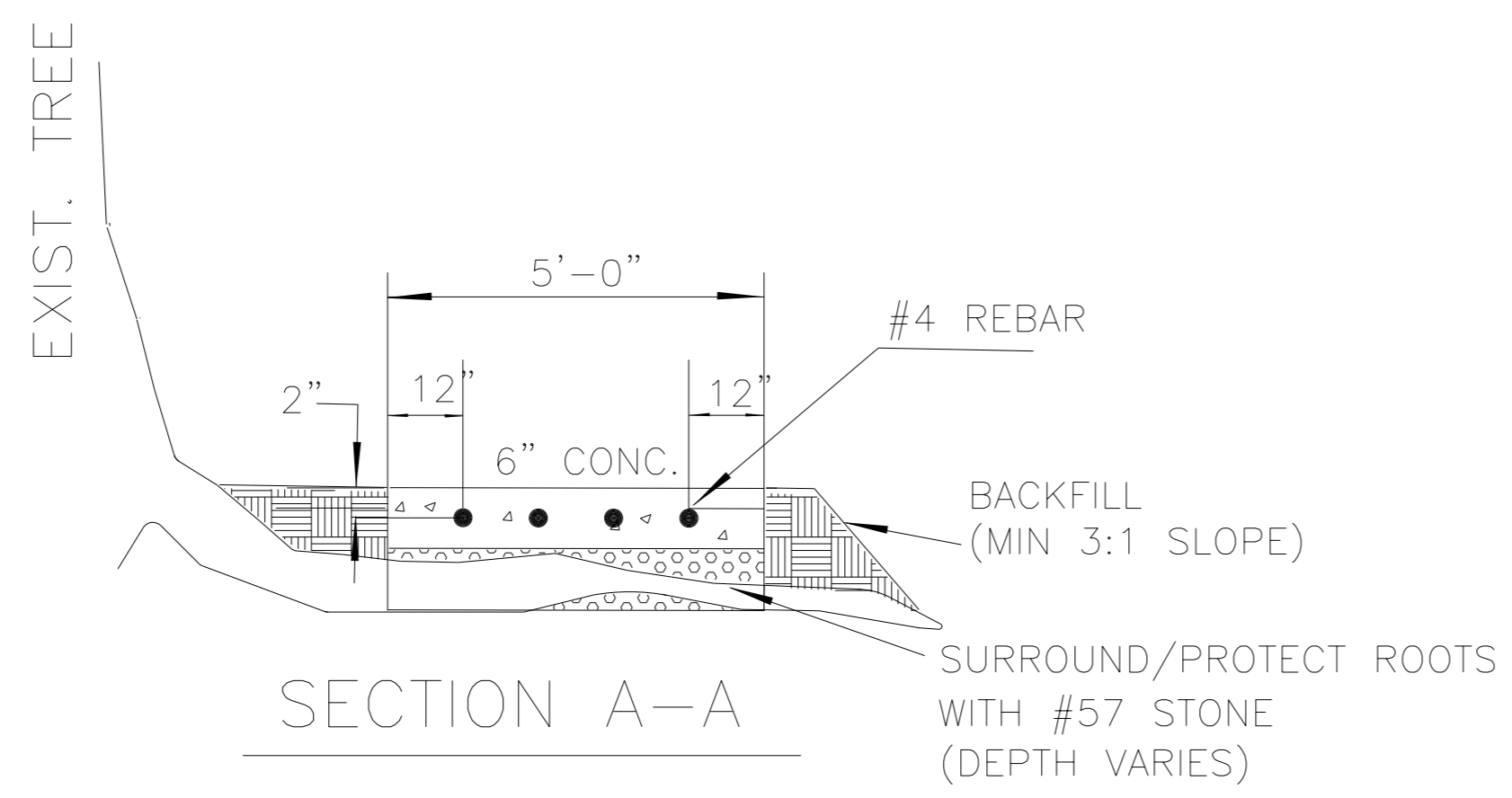
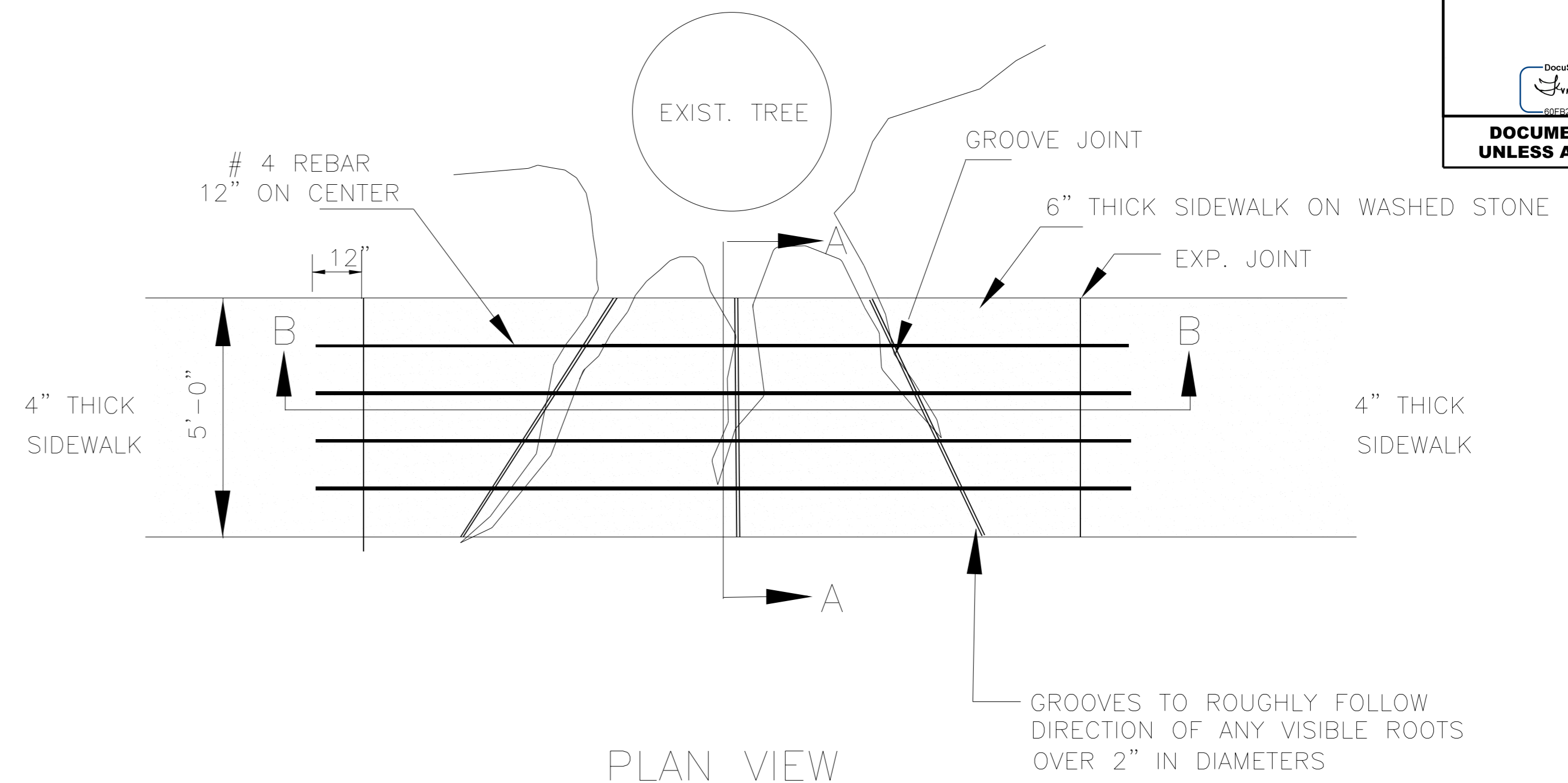
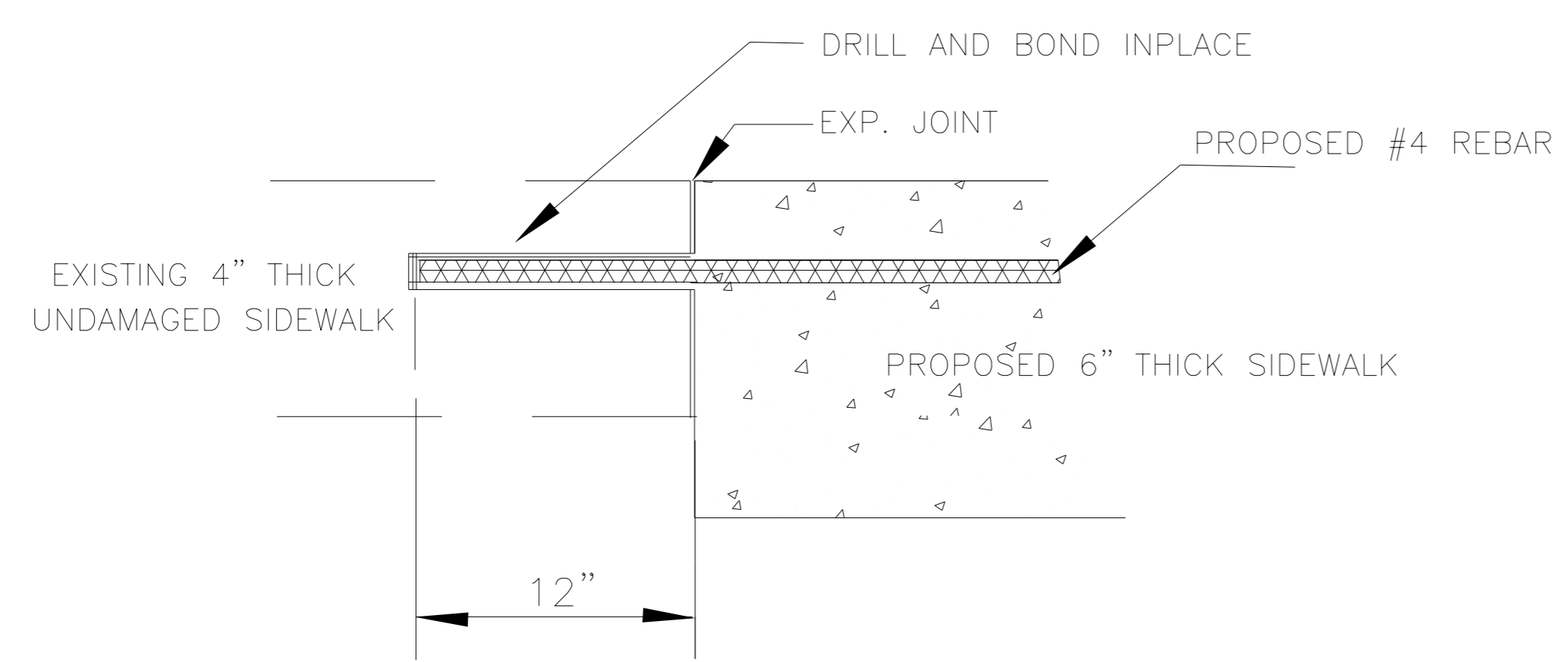
PLAN VIEW



ELEVATION VIEW

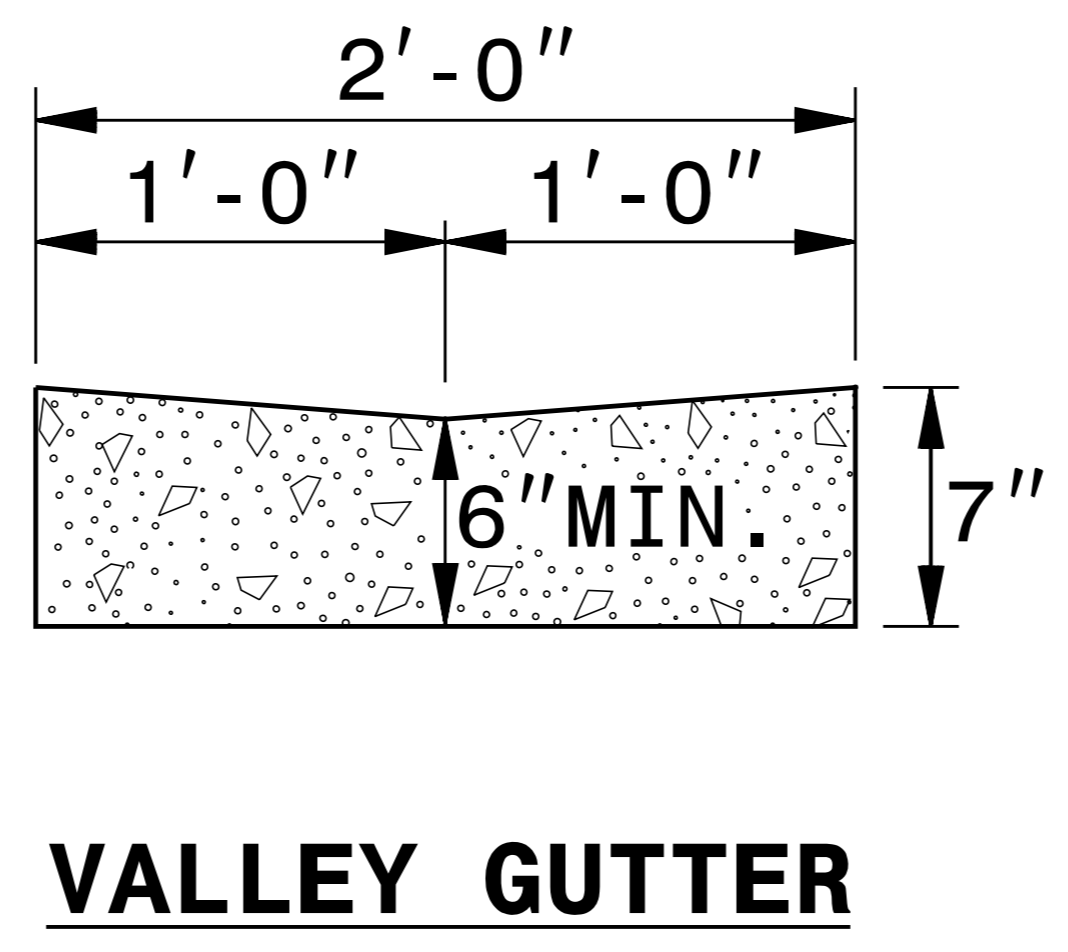
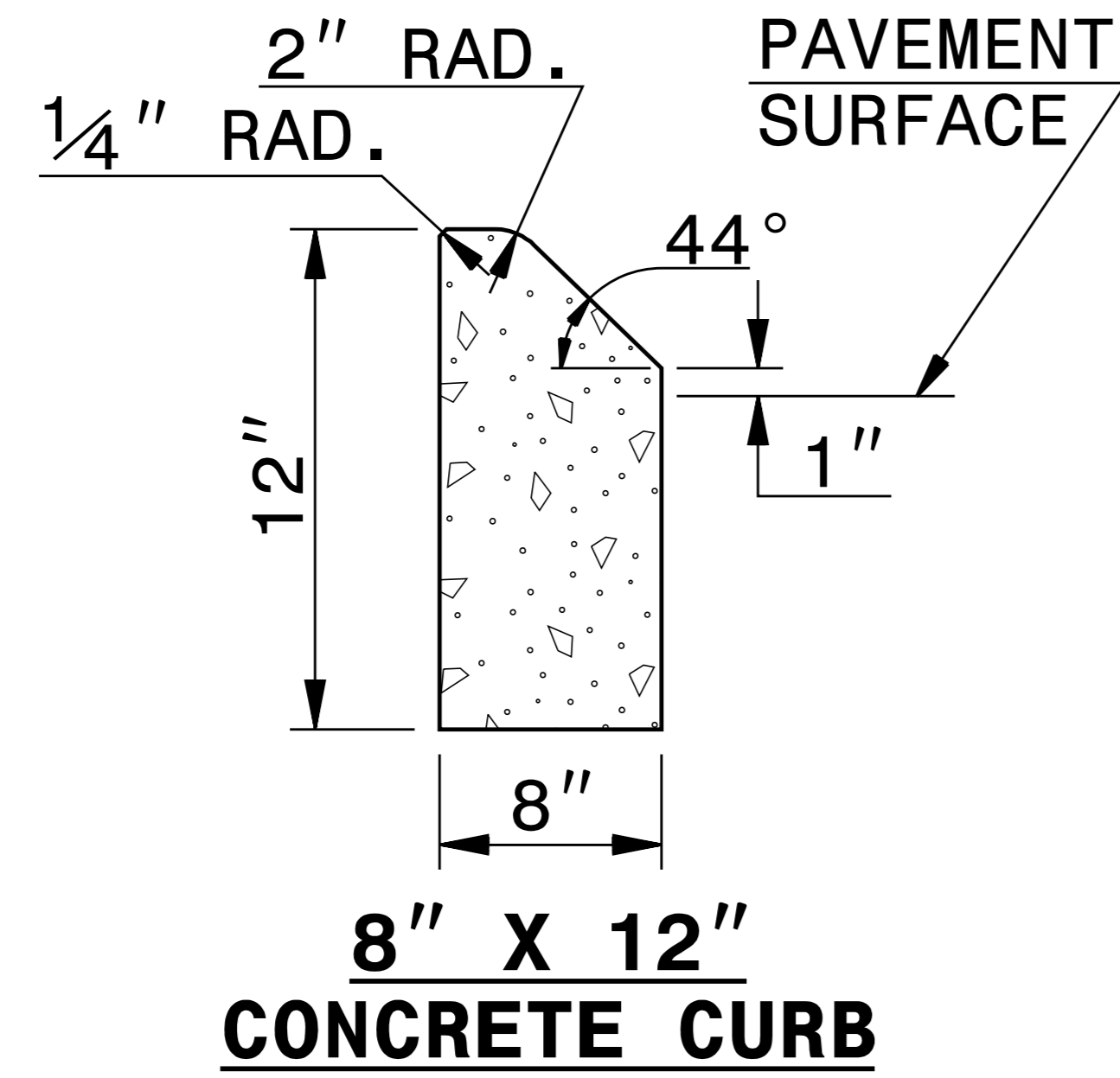
TEMPORARY TREE PROTECTION DETAIL

PROJECT REFERENCE NO. U-5907	SHEET NO. 2B-5
ROADWAY DESIGN ENGINEER	
<small>DocuSigned by: Frank D. Masterston</small> DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

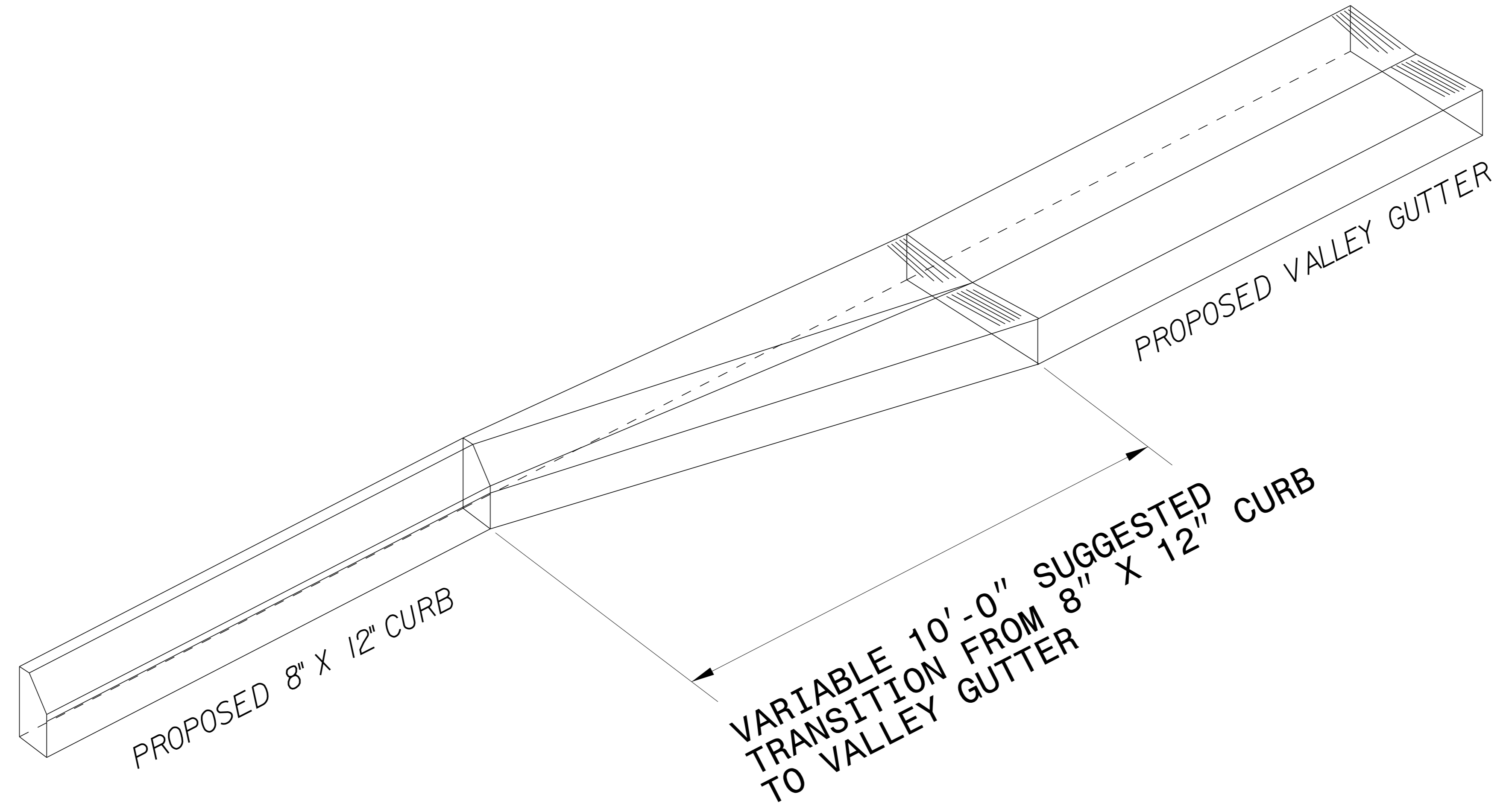


STATIONS:
 -LI- STA 14+45.00 - 16+50.00
 -L- STA 18+50.00 - 19+21.00

BRIDGING TREE ROOTS



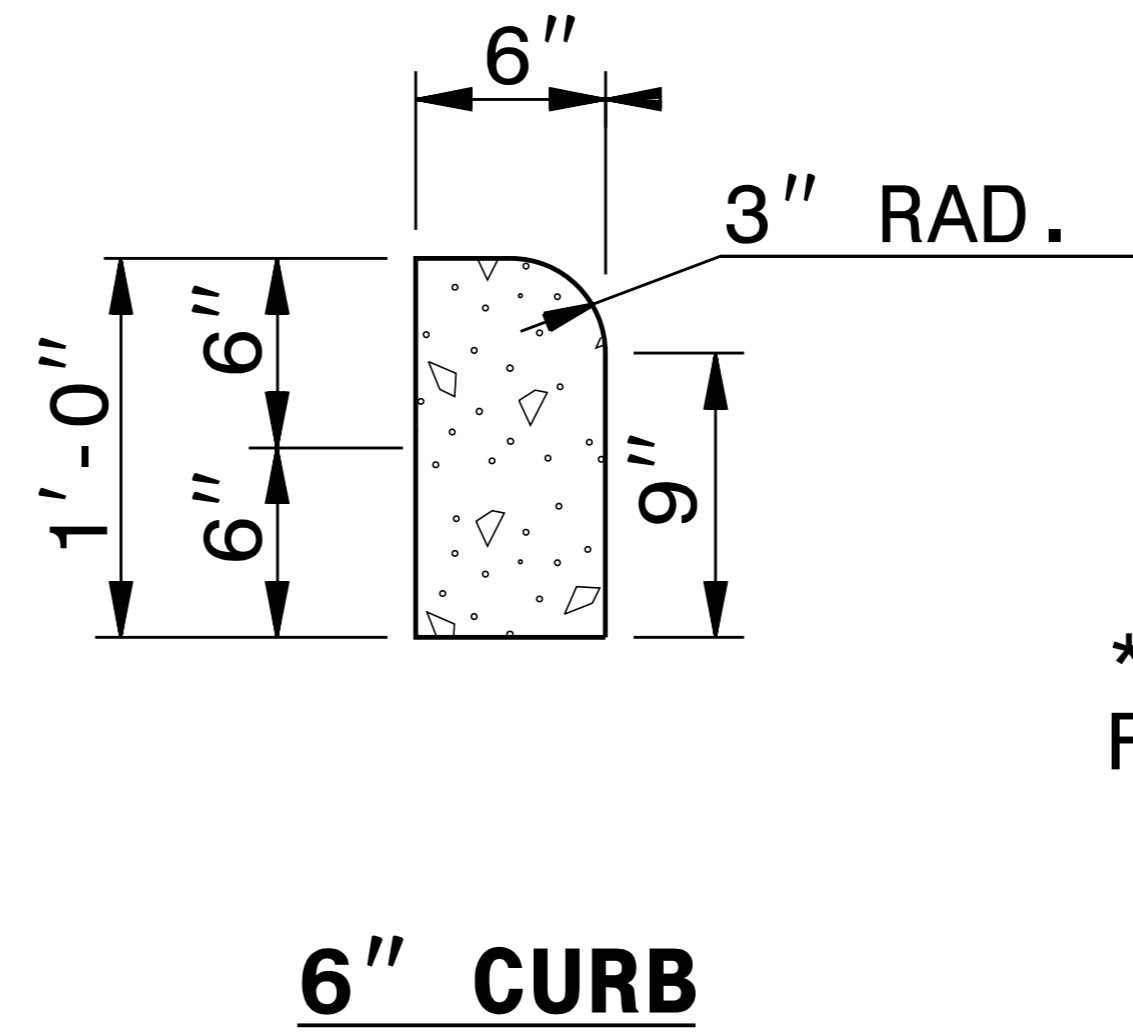
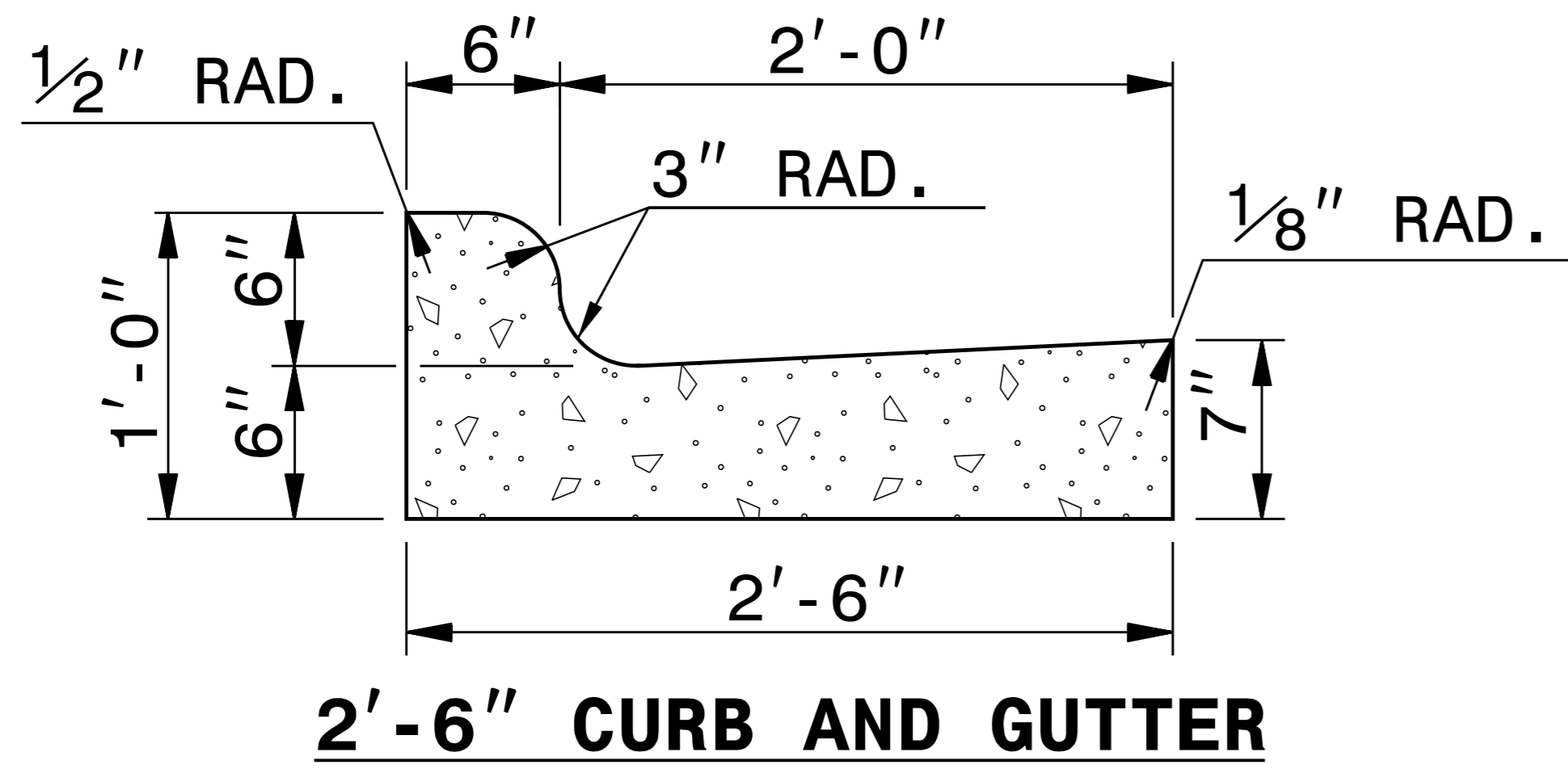
* NOTE: SEE STD. DWG. 846.01
FOR GENERAL NOTES



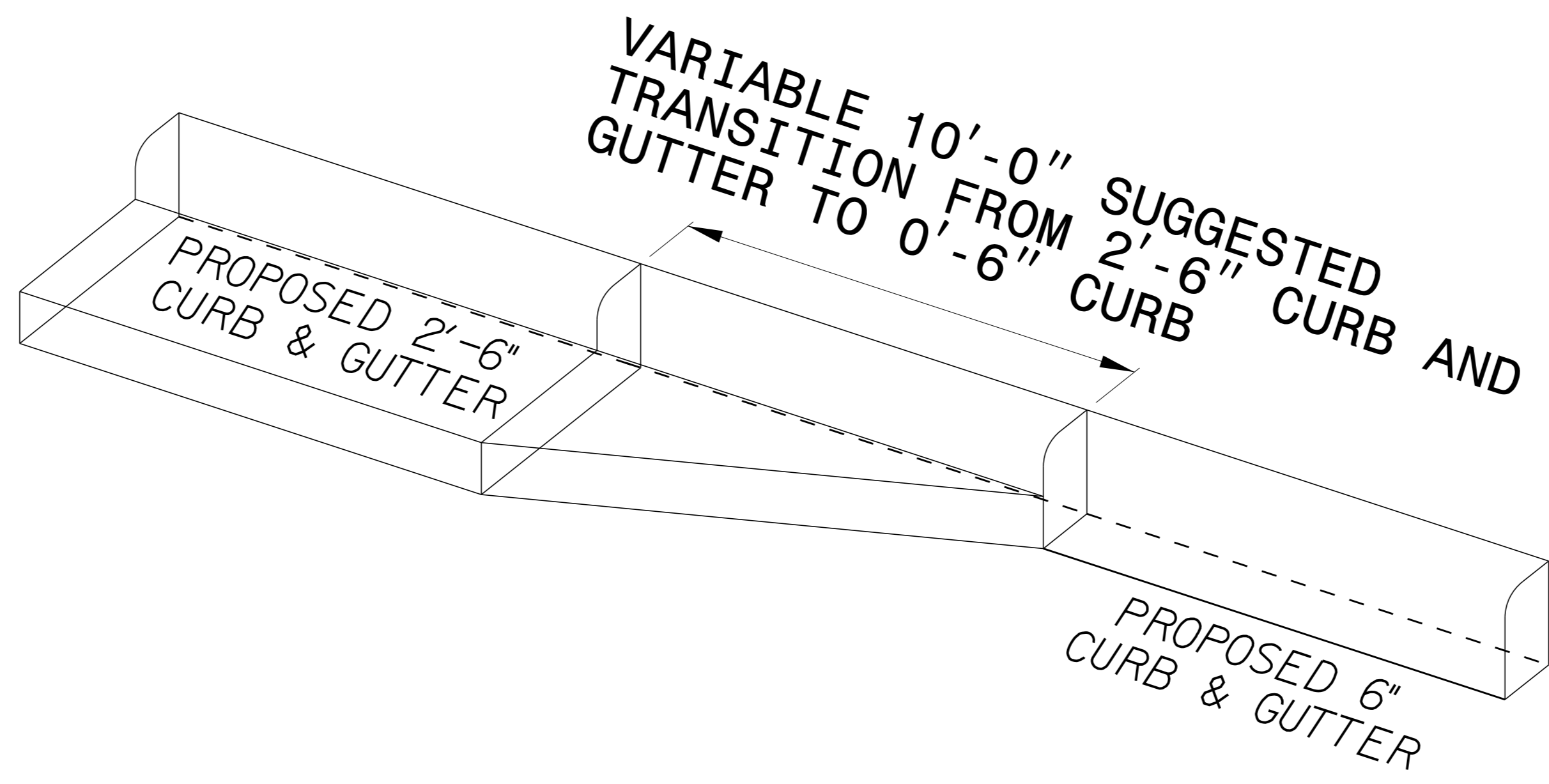
ISOMETRIC VIEW OF TRANSITION

TRANSITION FROM 8" X 12"
CURB TO VALLEY GUTTER

PROJECT REFERENCE NO. U-5907	SHEET NO. 2B-7
ROADWAY DESIGN ENGINEER	
<small>DocuSigned by: Frank Masterson</small>	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



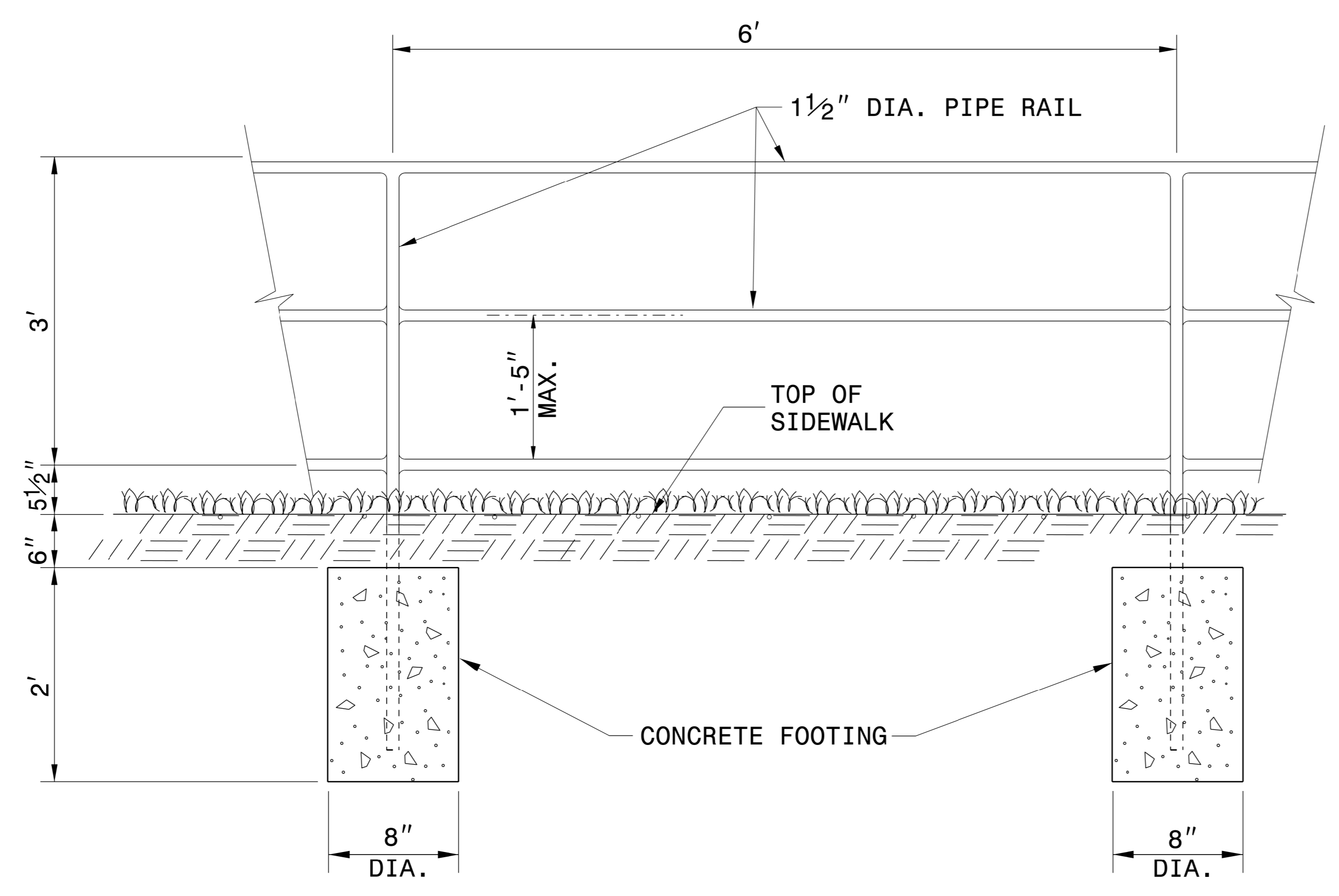
* NOTE: SEE STD. DWG. 846.01
FOR GENERAL NOTES



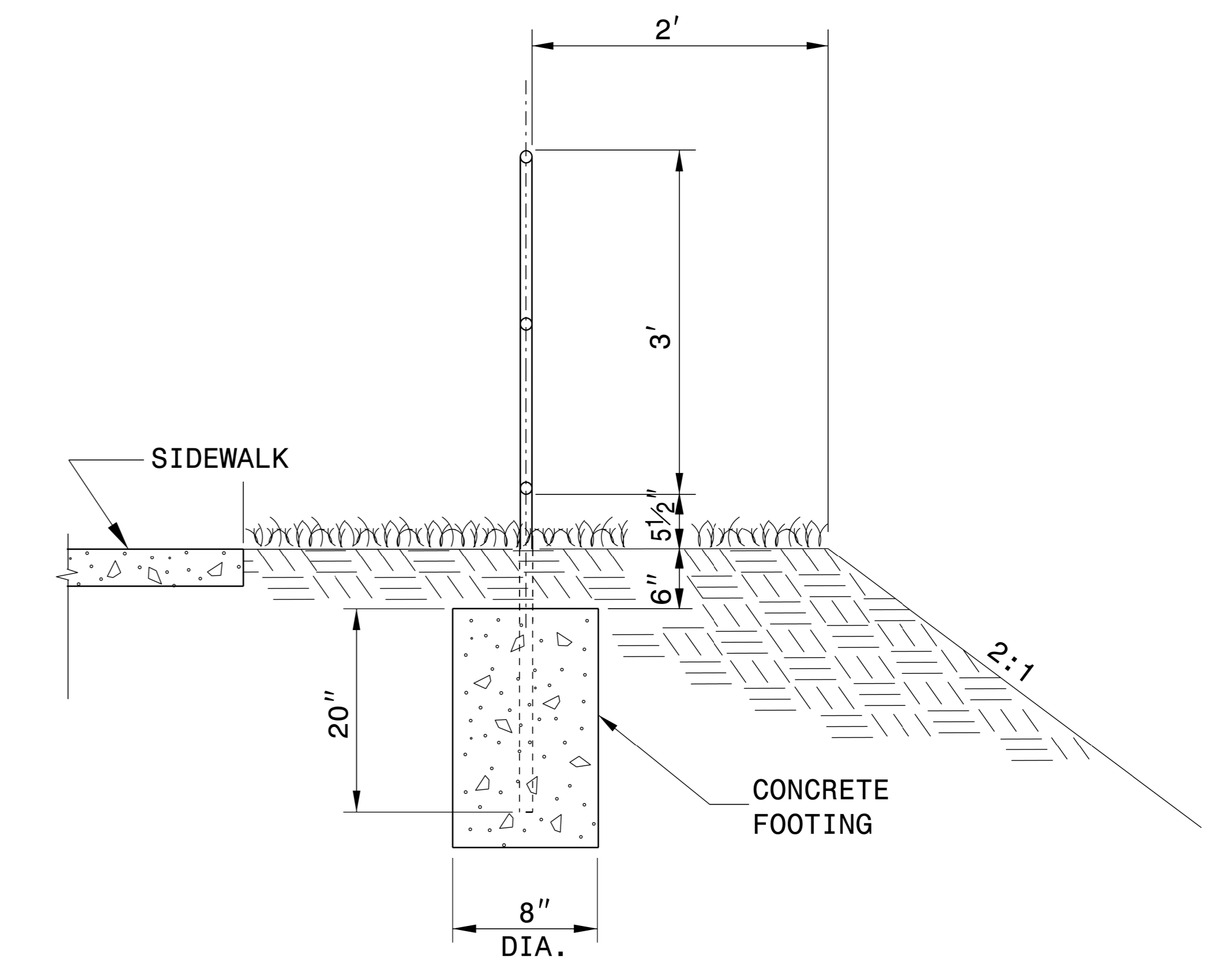
ISOMETRIC VIEW OF TRANSITION

TRANSITION FROM 2'-6" CURB
AND GUTTER TO 0'-6" CURB

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



ELEVATION OF PROPOSED PEDESTRIAN HANDRAIL



SECTION VIEW

NOTES:

CONSTRUCT PROPOSED STEEL PIPE RAIL OF 1 1/2" DIAMETER SCHEDULE 40 PLAIN END GALVANIZED STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A53.

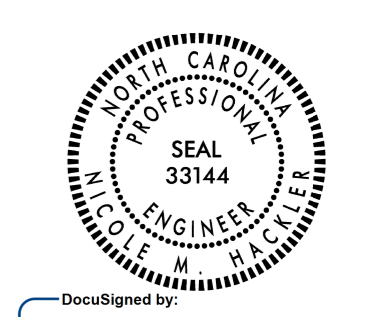
REPAIR GALVANIZING IN ACCORDANCE WITH SECTION 1076 OF THE NCDOT STANDARD SPECIFICATIONS.

PAINT, IF REQUIRED BY THE ENGINEER, IN ACCORDANCE WITH SECTION 1080 OF THE STANDARD SPECIFICATIONS.

WELD IN ACCORDANCE WITH ARTICLE 1072-20 OF THE STANDARD SPECIFICATIONS.

USE CLASS 'B' CONCRETE FOR HANDRAIL FOOTINGS.

PLACEMENT OF HANDRAIL IN RELATION TO SHOULDER BREAK POINT AND SIDEWALK MAY BE MODIFIED AS DIRECTED BY THE ENGINEER.



DocuSigned by:
Nicole M. Heckler
 5884323D34184C5
 11/15/2023

CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
PROPOSED PEDESTRIAN SAFETY RAIL	
ORIGINAL BY: E.E.WARD	DATE: 12-99
MODIFIED BY: T.S.Spell	DATE: 1-4-05
CHECKED BY:	DATE:
FILE SPEC.: w:details/stand/metric/retainwall_handrails.dgn	

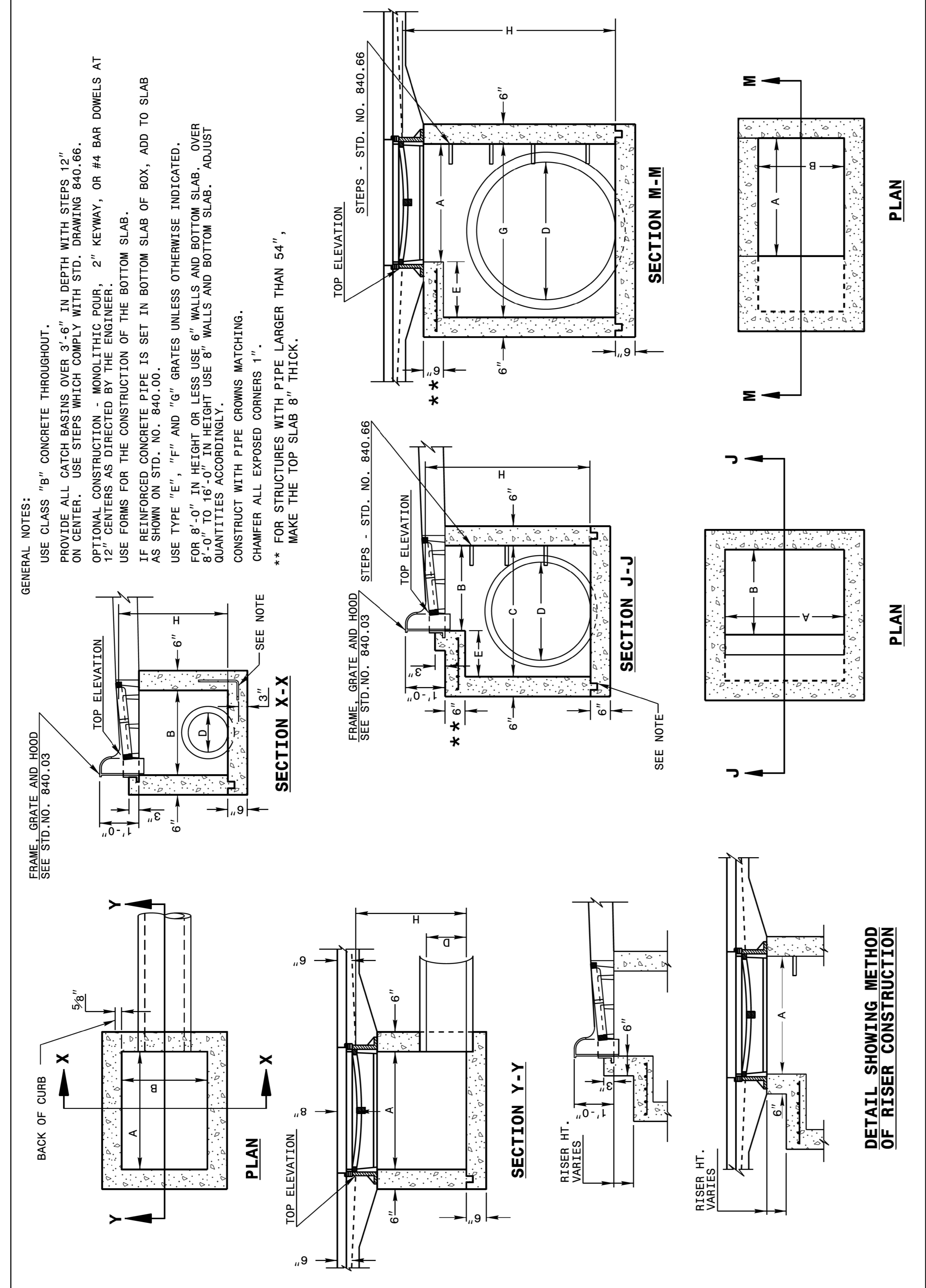
10/9/2023

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
**MINIMUM DEPTH
CONCRETE CATCH BASIN**
12" THRU 84" PIPE

SHEET 1 OF 2
840D02



STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

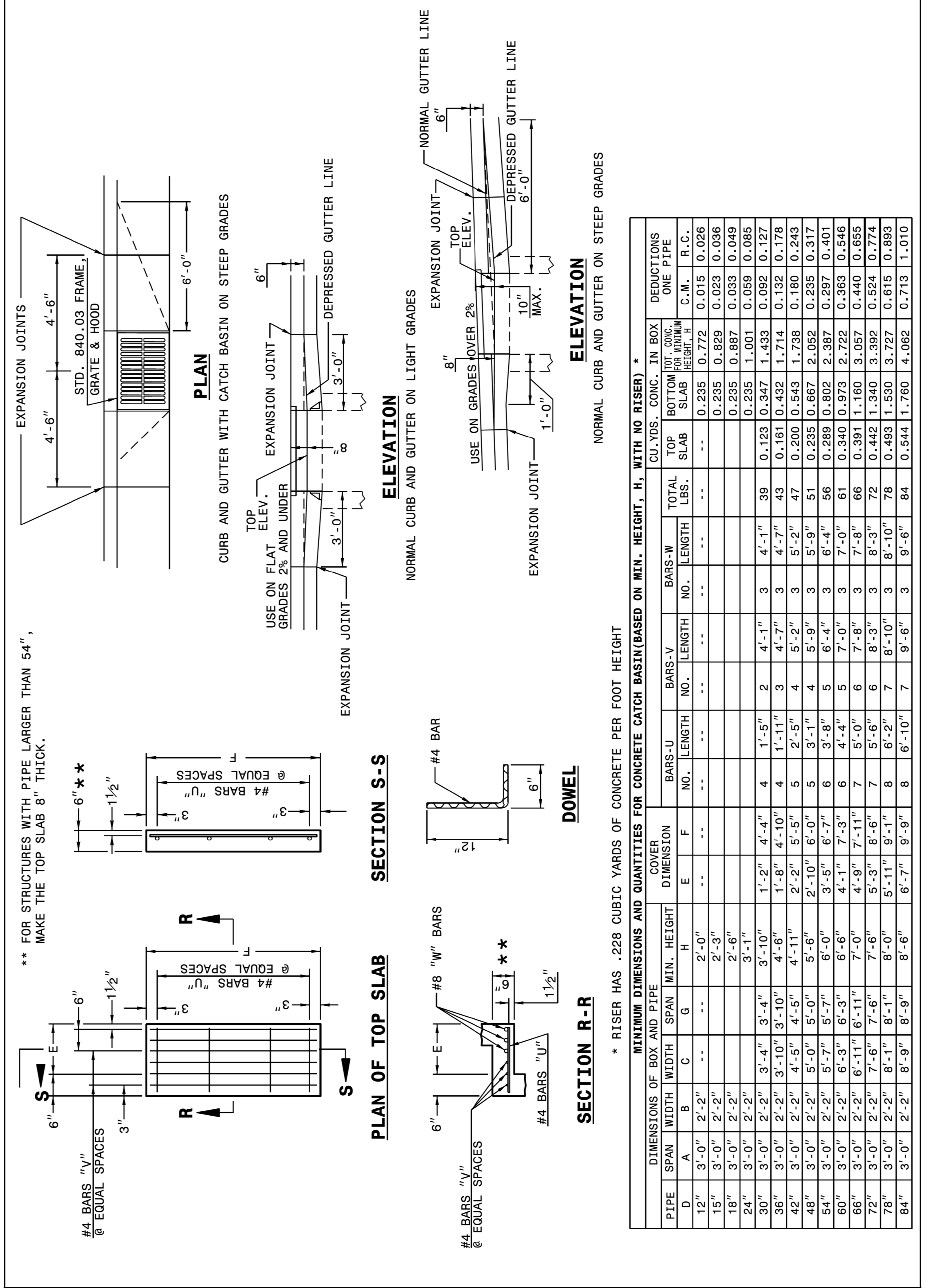
ENGLISH DETAIL DRAWING FOR
**MINIMUM DEPTH
CONCRETE CATCH BASIN**
12" THRU 84" PIPE

SHEET 1 OF 2
840D02

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
**MINIMUM DEPTH
CONCRETE CATCH BASIN**
12" THRU 84" PIPE

SHEET 2 OF 2
840D02



STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
**MINIMUM DEPTH
CONCRETE CATCH BASIN**
12" THRU 84" PIPE

SHEET 2 OF 2
840D02

DocuSigned by:
Nicole M. Hester
5884323034164CS

PROFESSIONAL ENGINEER
SEAL 33144
1/15/2023

CONTRACT STANDARDS
AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

SEE PLATE FOR TITLE

ORIGINAL BY: 2002 Std.840.01 DATE:
 MODIFIED BY: E.E. WARD DATE: 3-1-02
 CHECKED BY: DATE:
 FILE SPEC.: s:Special_Details/jhowerton/840d02.dgn

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

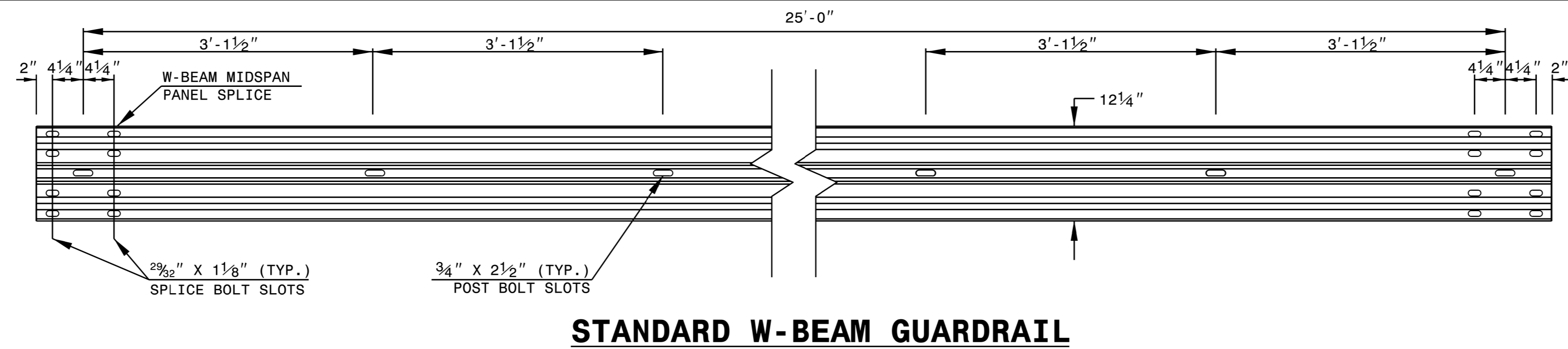
ROADWAY DETAIL DRAWING FOR GUARDRAIL INSTALLATION

SHEET 6 OF 8 862D02

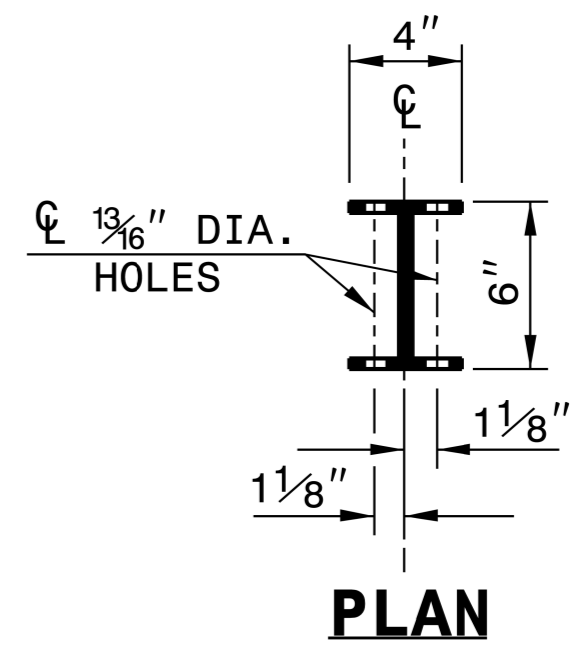
STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR GUARDRAIL INSTALLATION

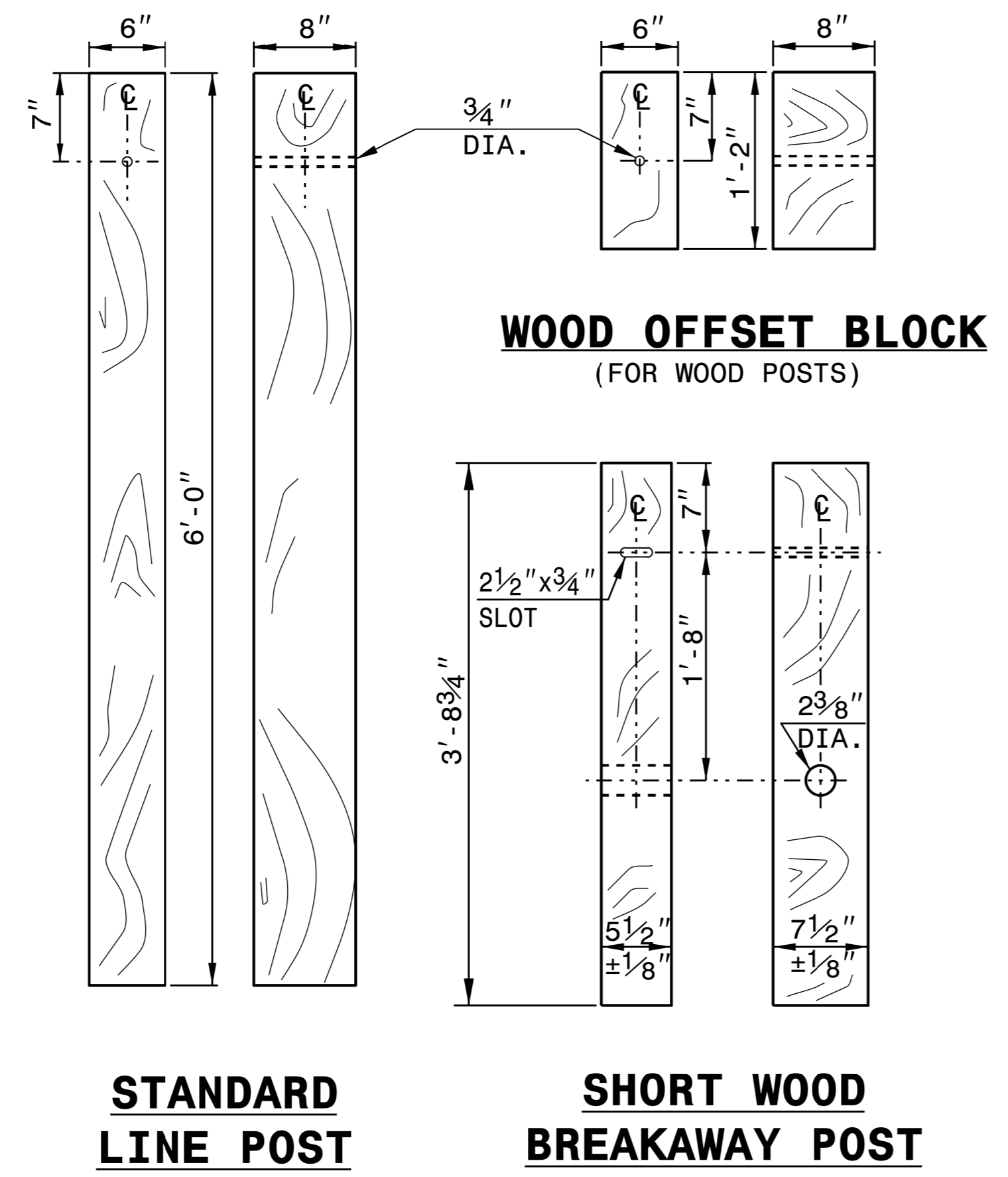
SHEET 6 OF 8 862D02



STANDARD W-BEAM GUARDRAIL



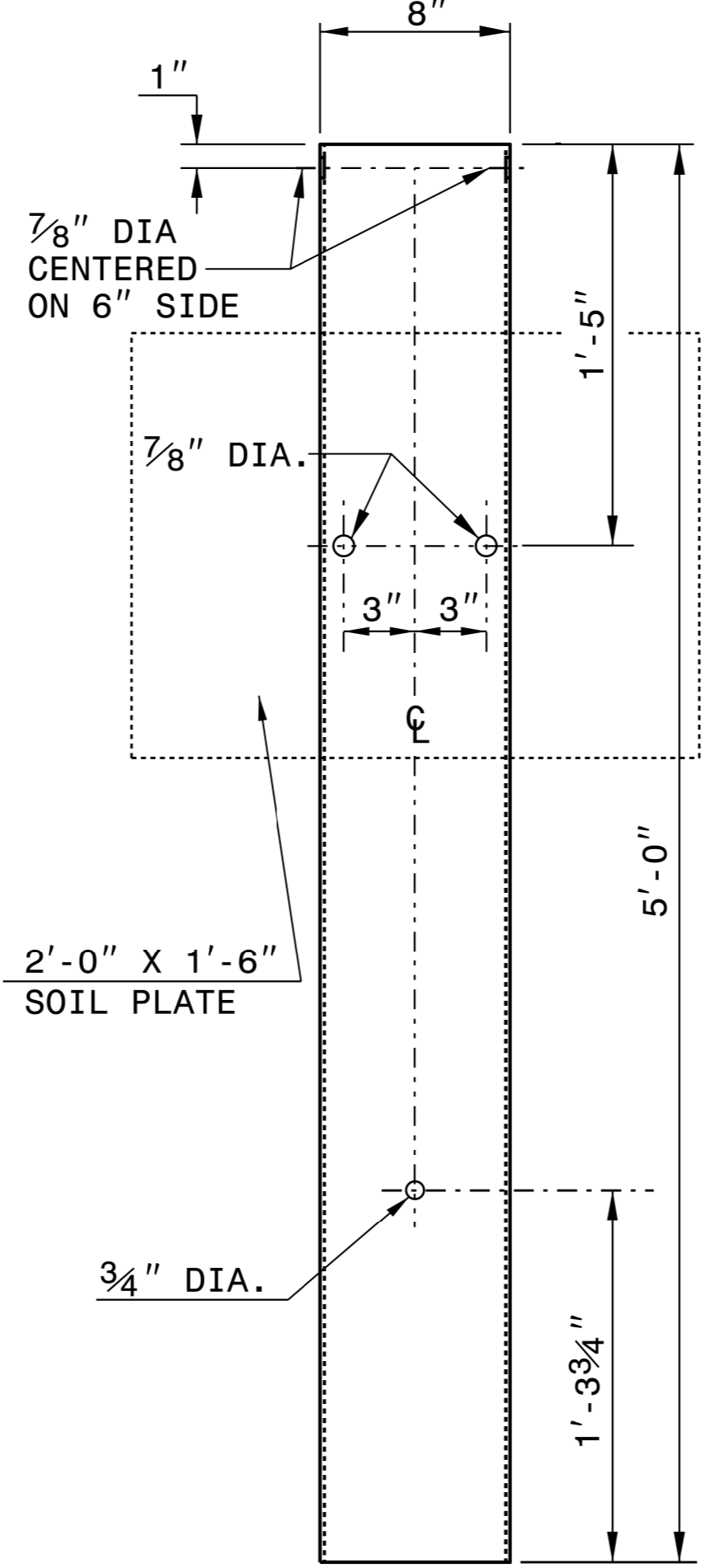
PLAN



WOOD OFFSET BLOCK (FOR WOOD POSTS)

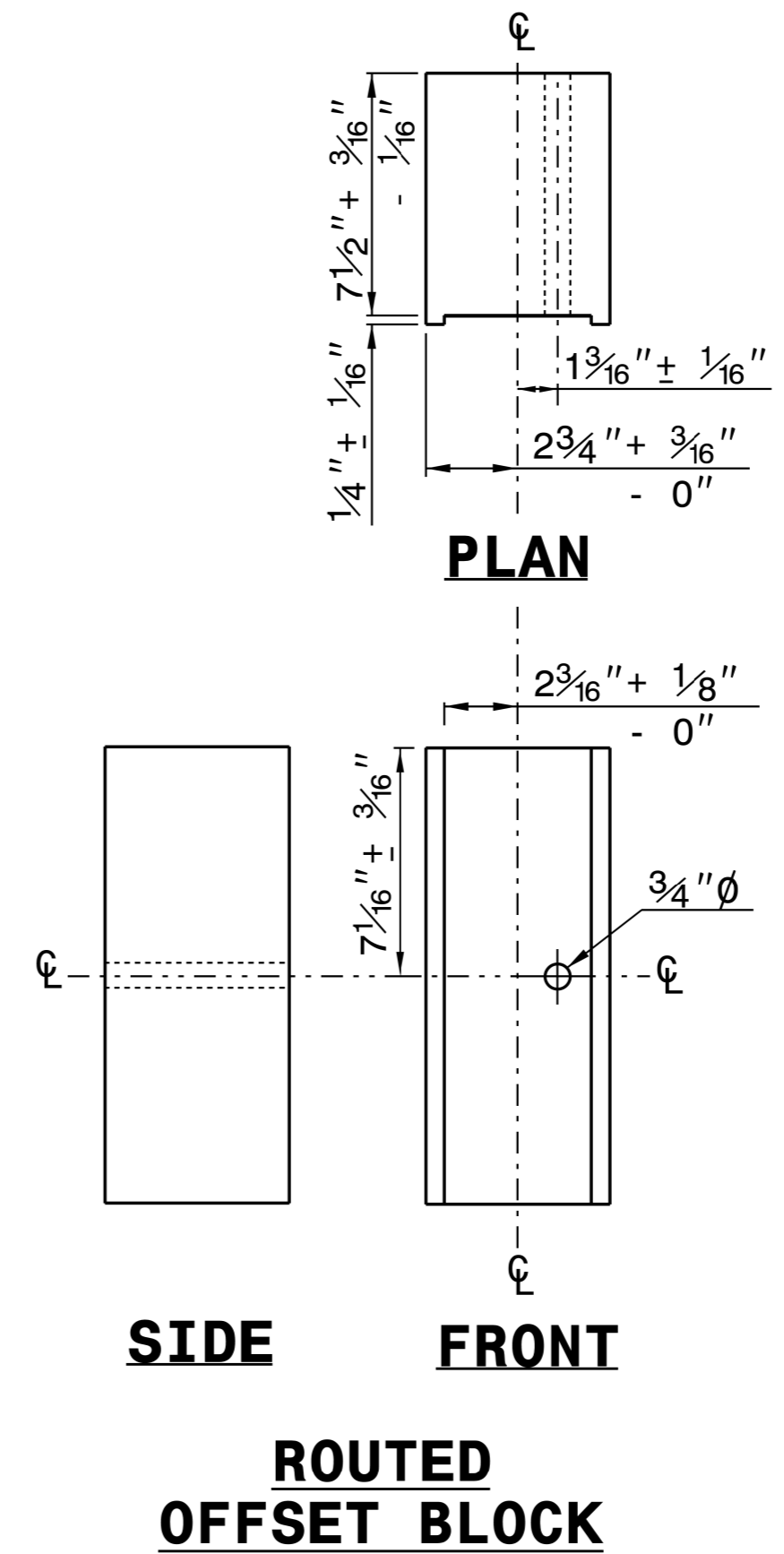
STANDARD LINE POST

SHORT WOOD BREAKAWAY POST



STEEL TUBE TS 6" x 8" x 0.1875"

SYSTEM PARTS

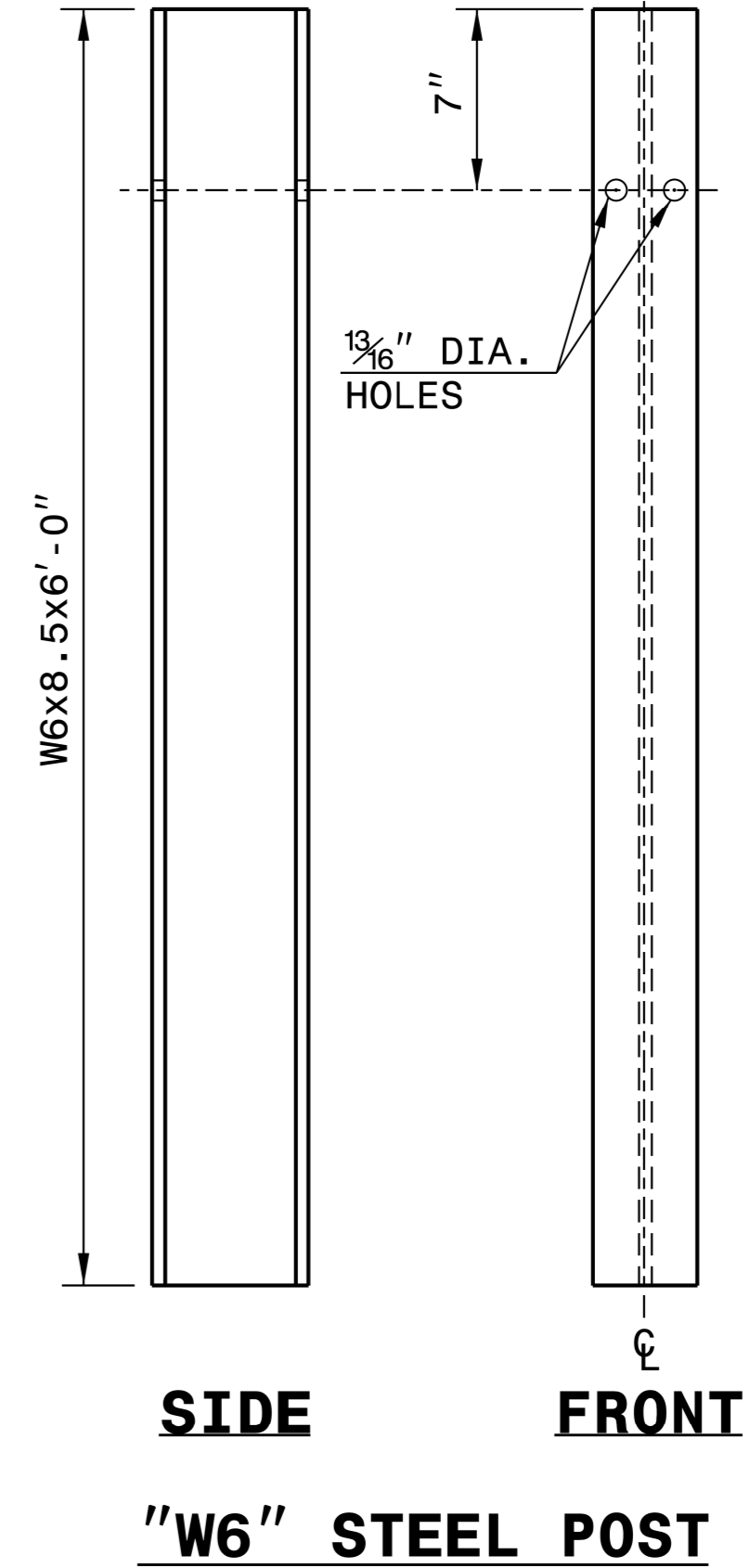


PLAN

SIDE

FRONT

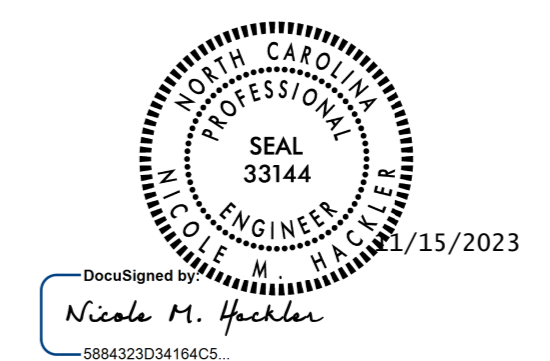
ROUTED OFFSET BLOCK



SIDE

FRONT

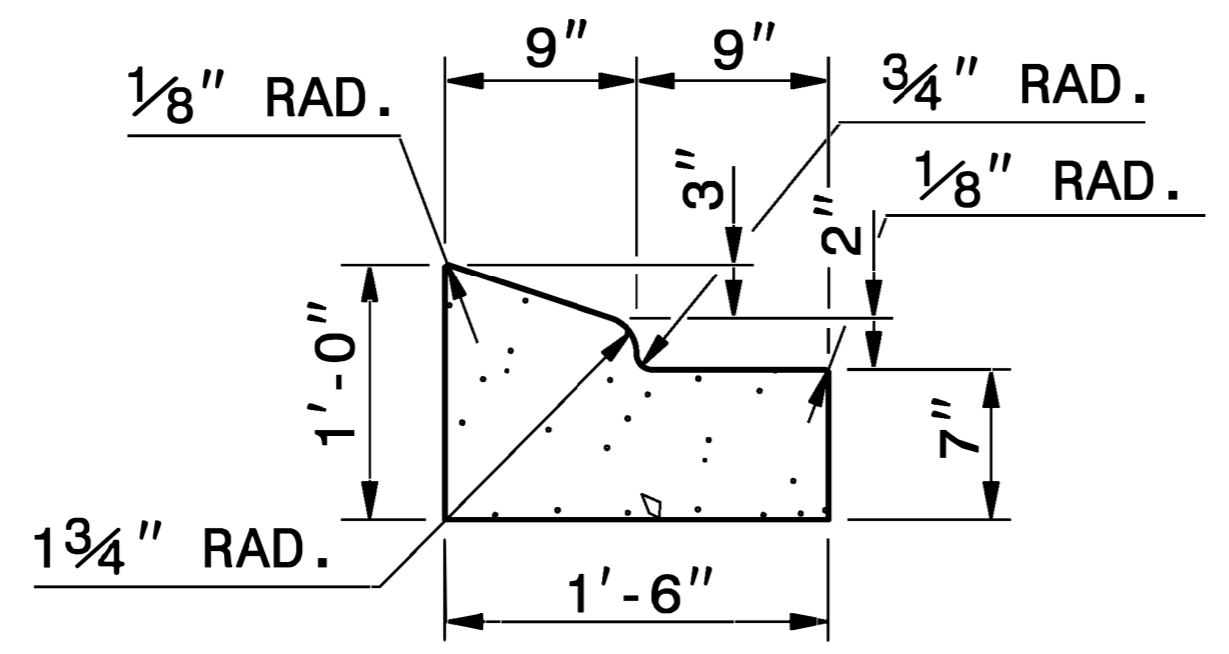
W6 STEEL POST



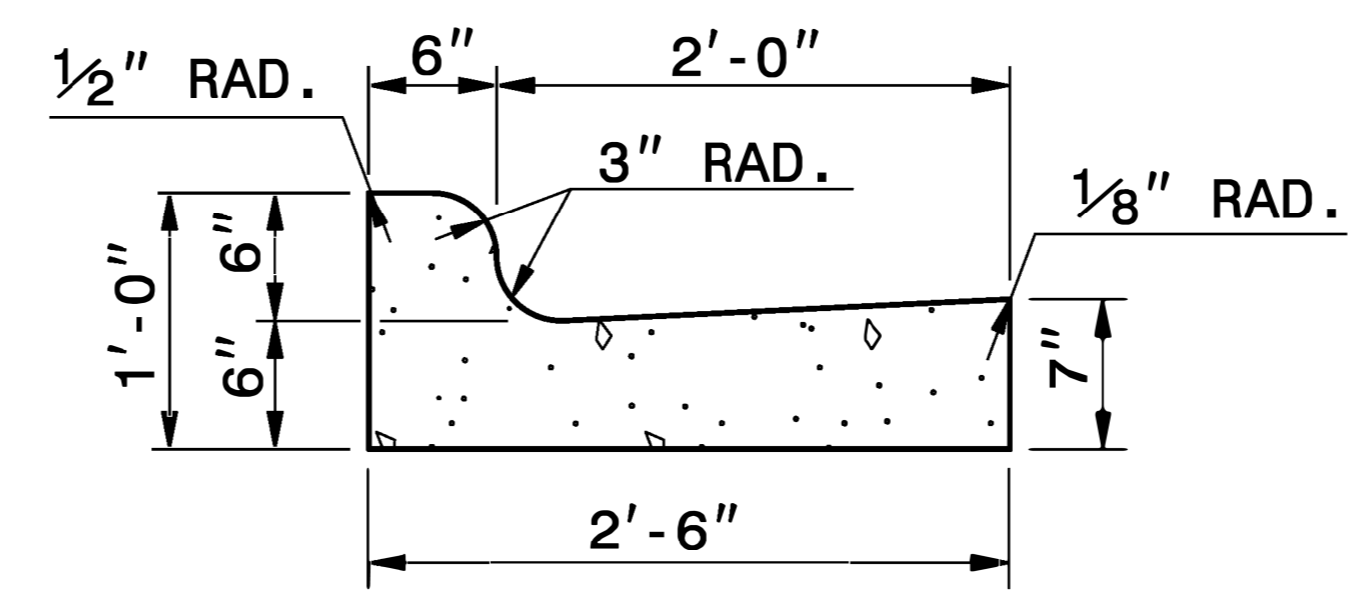
CONTRACTS STANDARDS AND DEVELOPMENT UNIT Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

ORIGINAL BY: J. HOWERTON DATE: 3-7-2018 MODIFIED BY: DATE: CHECKED BY: DATE: FILE SPEC.:



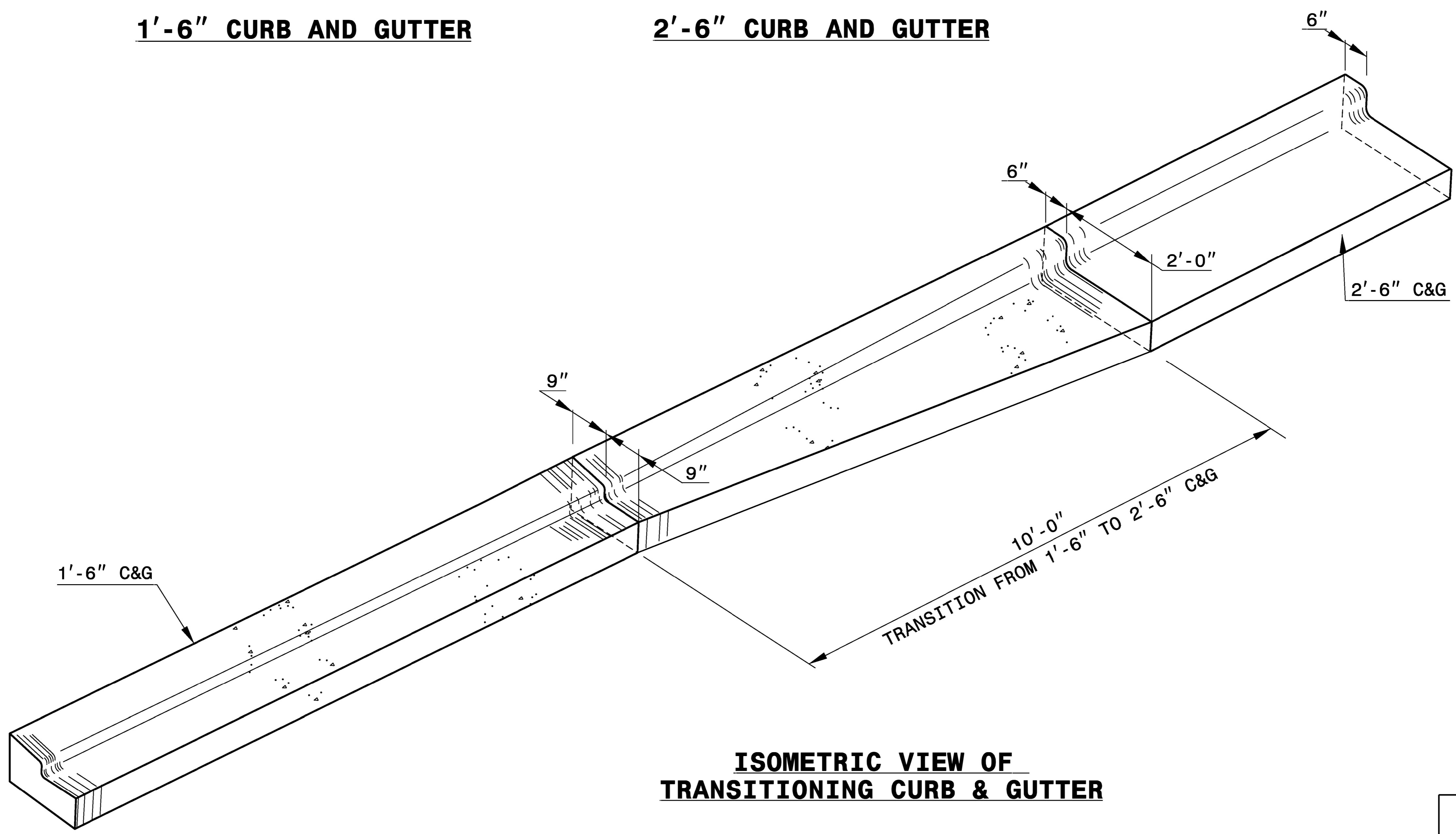
1'-6" CURB AND GUTTER



2'-6" CURB AND GUTTER

NOTE: SEE STD. DWG. 846.01 FOR ADDITIONAL CURB AND GUTTER INFORMATION.

SEE ROADWAY PLANS FOR LOCATION OF CURB TRANSITION.



ISOMETRIC VIEW OF TRANSITIONING CURB & GUTTER



DocuSigned by:
Nicole M. Heckler
5884323D34164C5... 3/15/2023

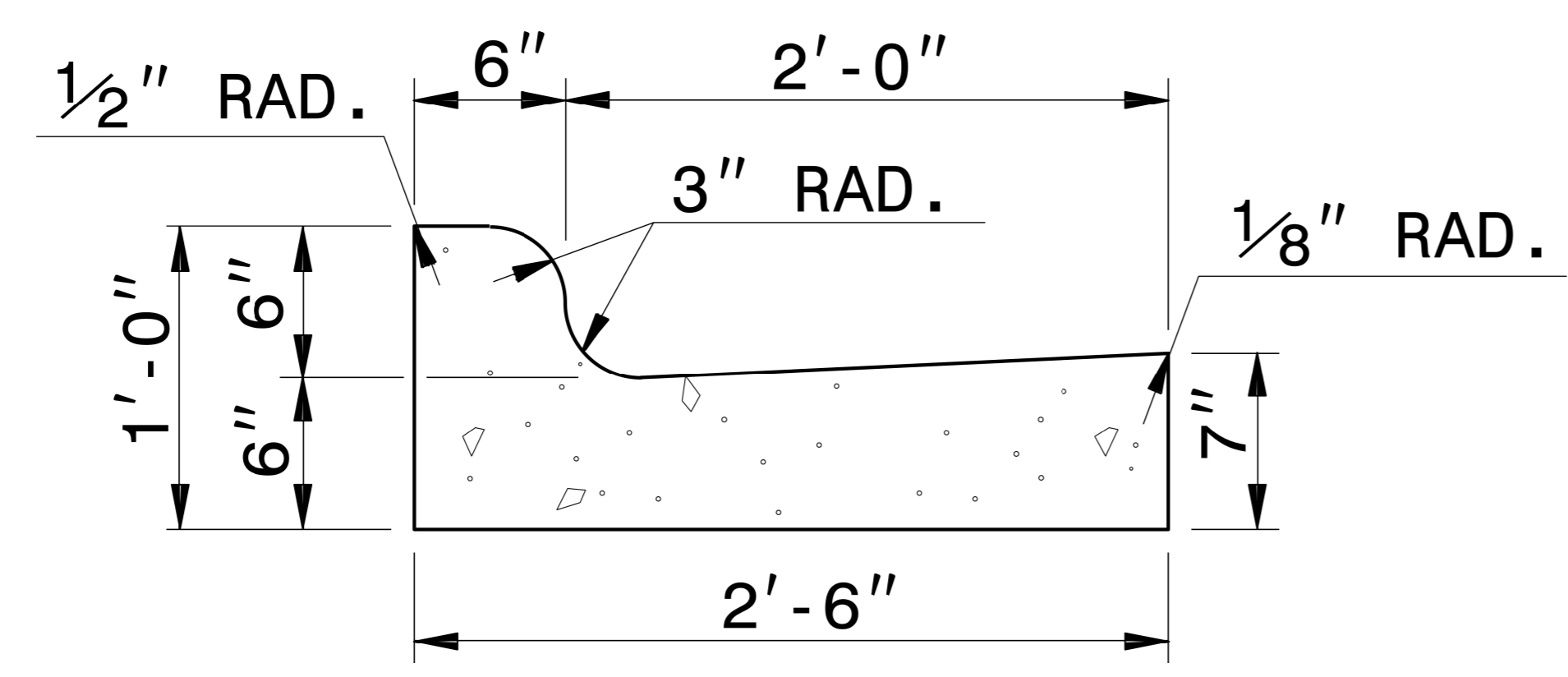
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CONTRACT STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

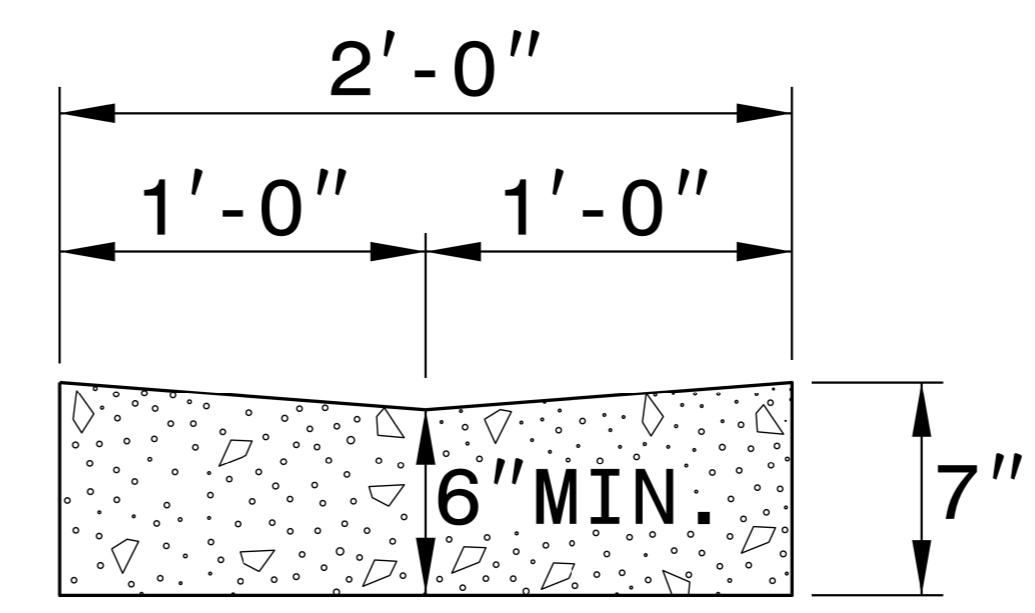
DETAIL OF 1'-6" TO 2'-6" CURB & GUTTER TRANSITION SECTION

ORIGINAL BY: T.S. SPELL DATE: MARCH 3, 2000
 MODIFIED BY: DATE: _____
 CHECKED BY: DATE: _____
 FILE SPEC.: D8174:/usr/details/stand/cgtransit.dgn

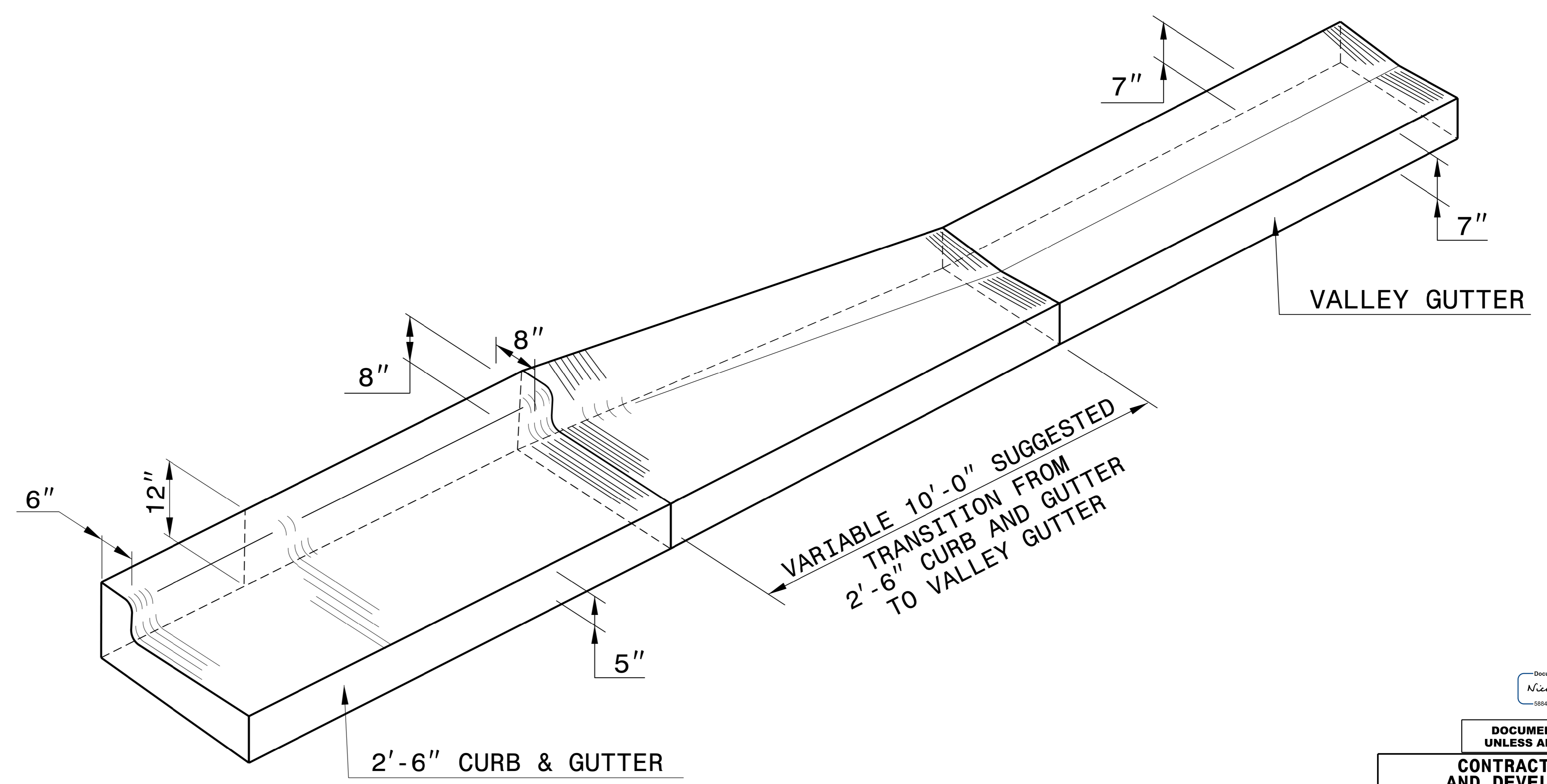
*NOTE: SEE STD. DWG. 846.01 FOR GENERAL NOTES



2'-6" CURB AND GUTTER

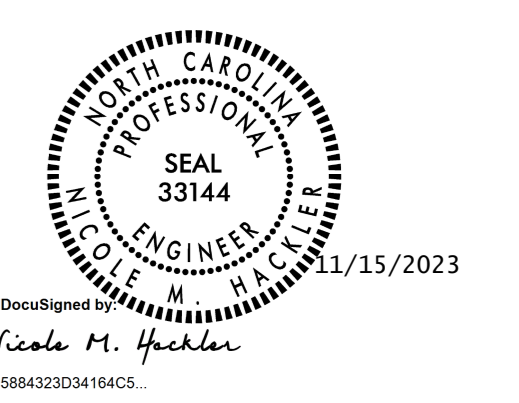


VALLEY GUTTER



ISOMETRIC VIEW OF TRANSITION

07-SEP-2017 08:20 S:\Contracts\Stand\stand\c&g transition sections.dgn jhower-ton AT CSD-292895



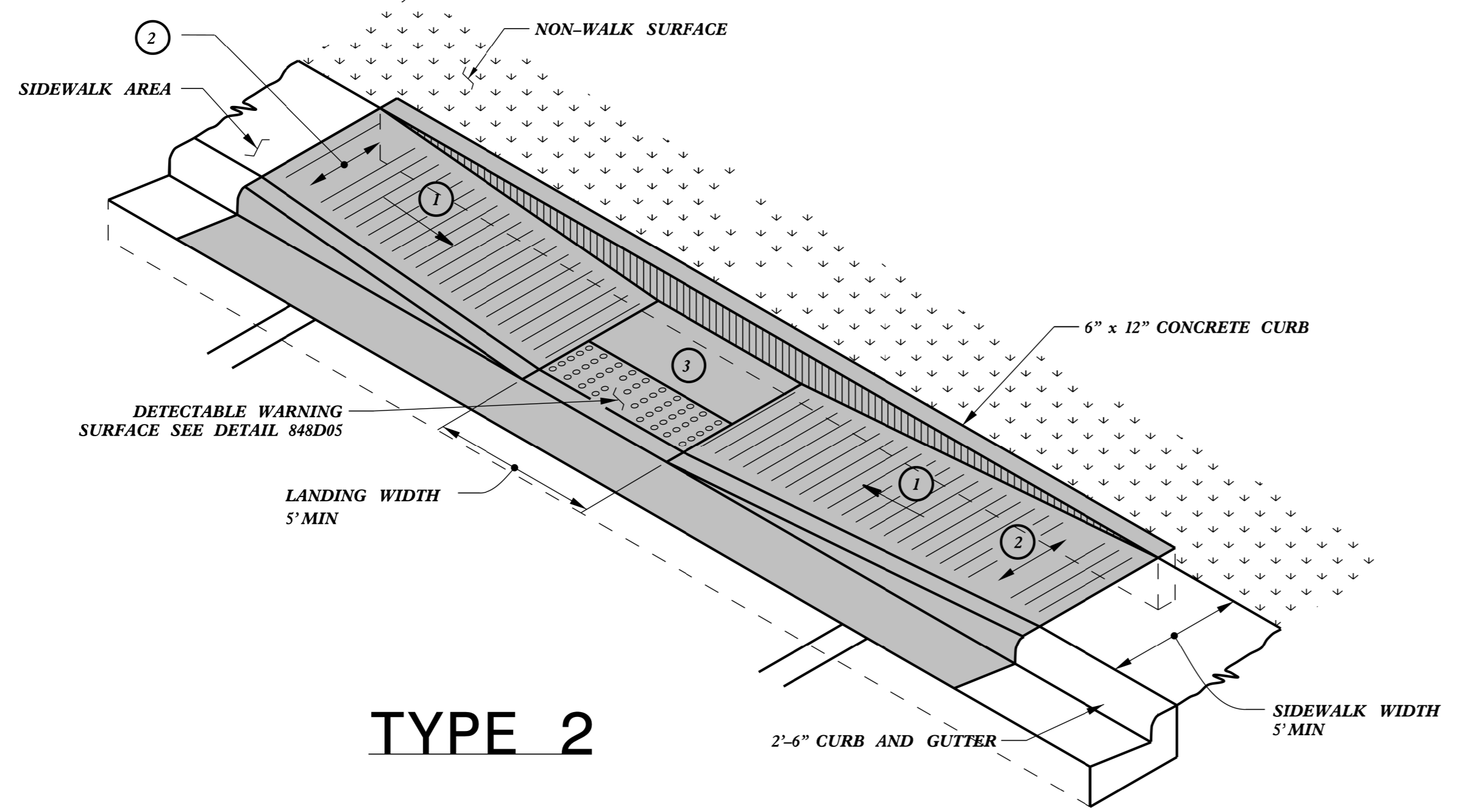
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CONTRACT STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

TRANSITION FROM 2'-6" CURB AND GUTTER TO VALLEY GUTTER

ORIGINAL BY: T.S. SPELL DATE: FEB. 4, 2009
 MODIFIED BY: DATE:
 CHECKED BY: DATE:
 FILE SPEC.: w:\usr\details\stand\cgtransit.dgn

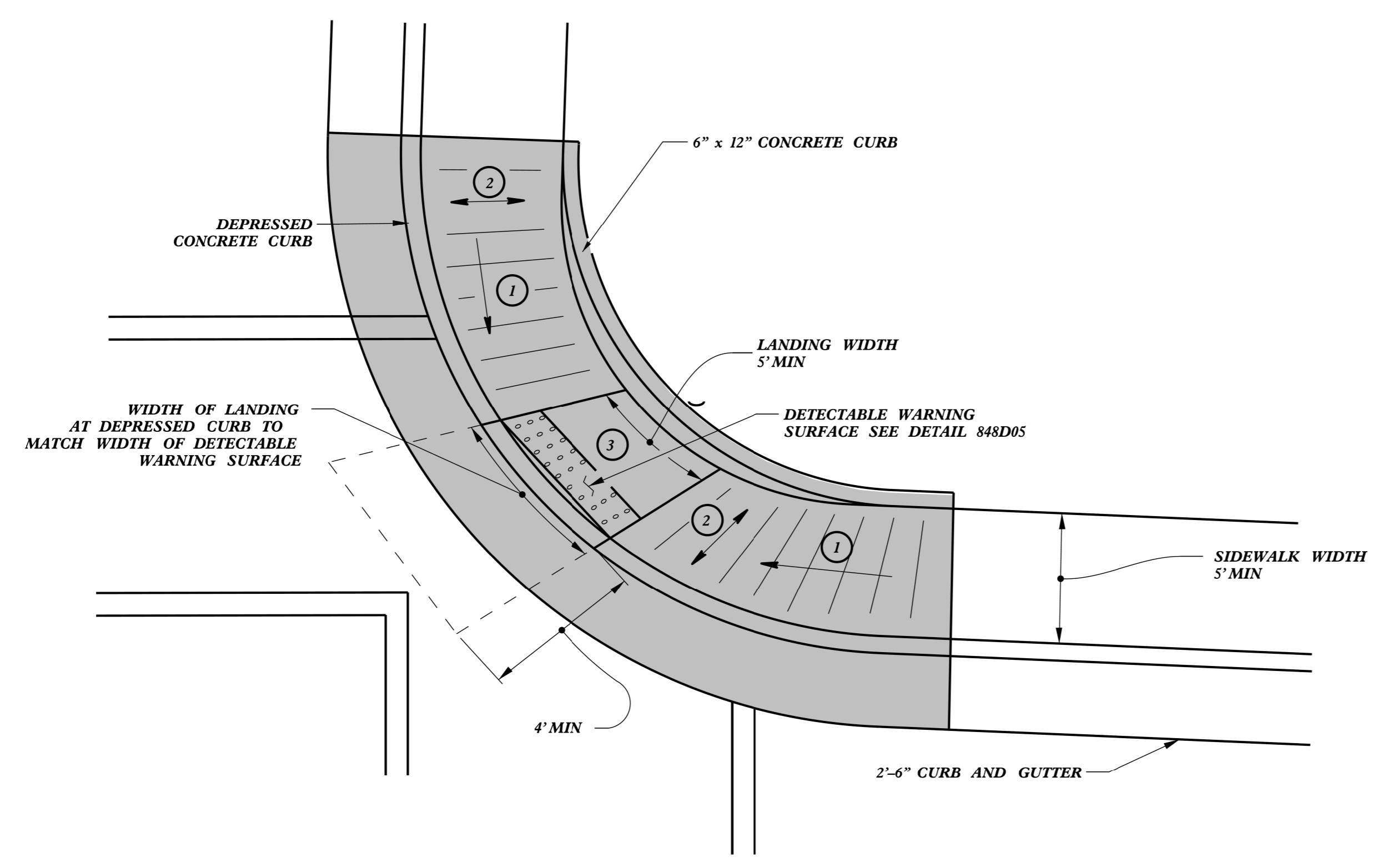
5/14/99



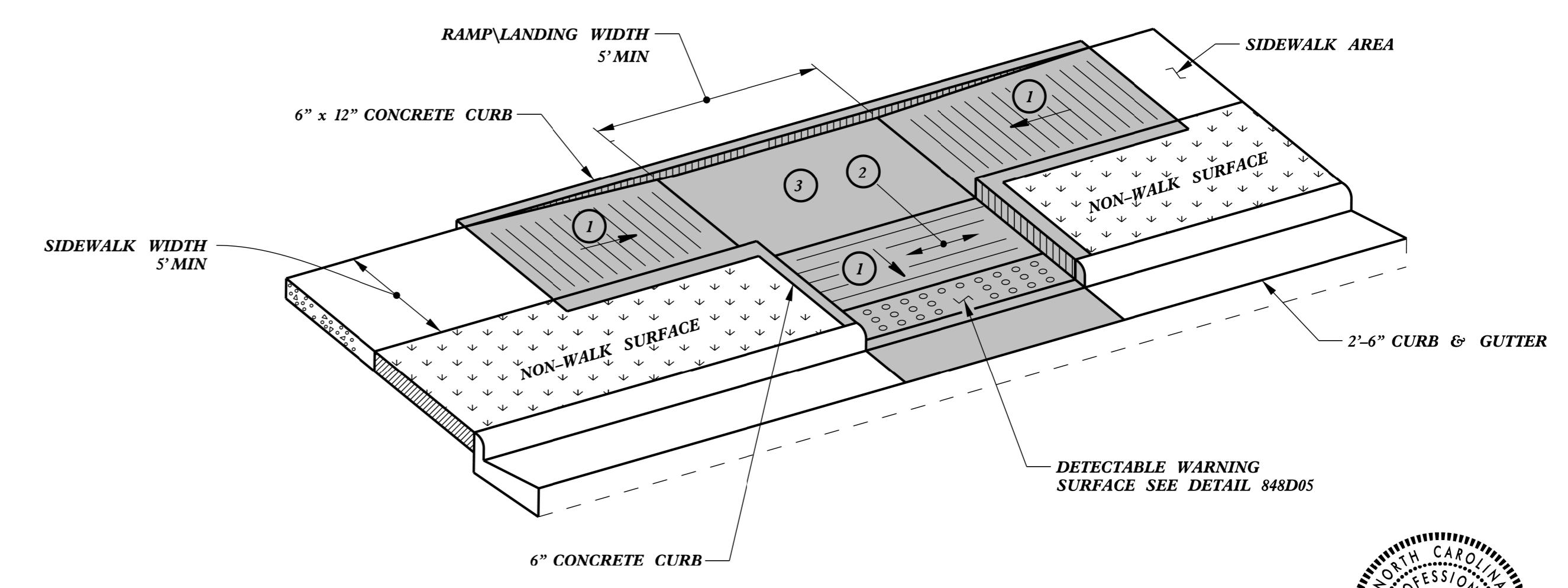
TYPE 2

 PAY LIMITS FOR CURB RAMP

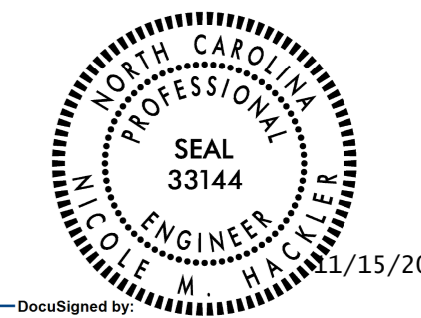
- ① 8.33% (12:1) MAX RAMP SLOPE
- ② CROSS SLOPE: 2.00%
- ③ CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.



TYPE 2A



TYPE 3

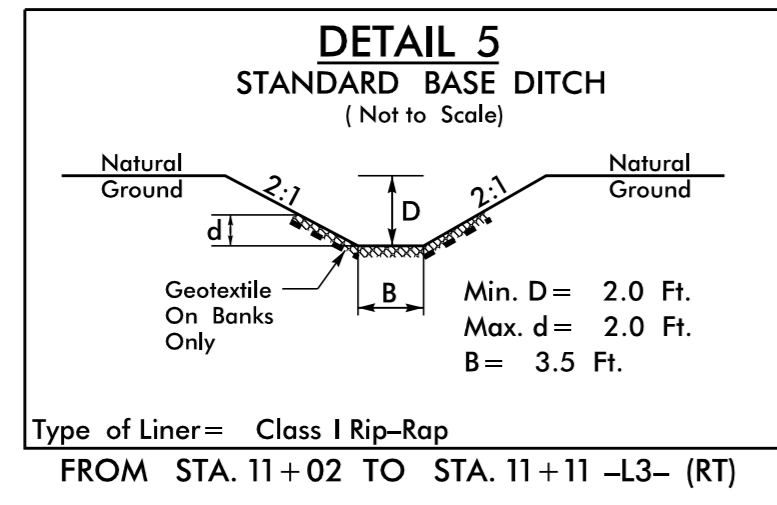
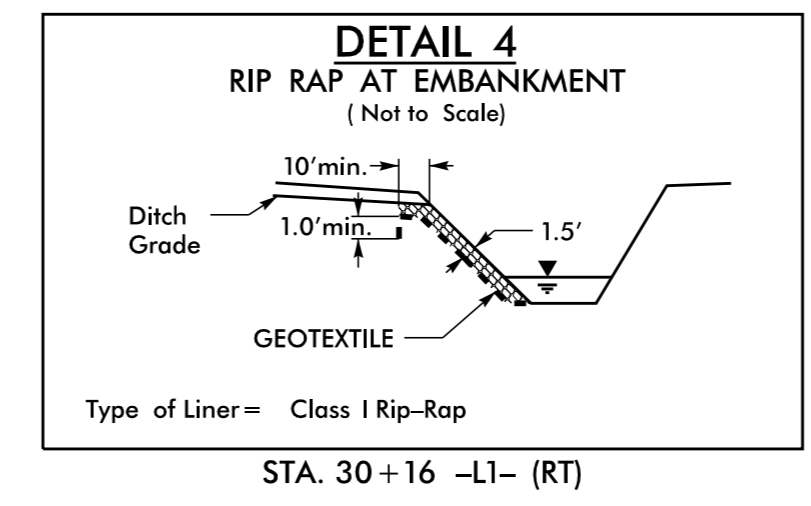
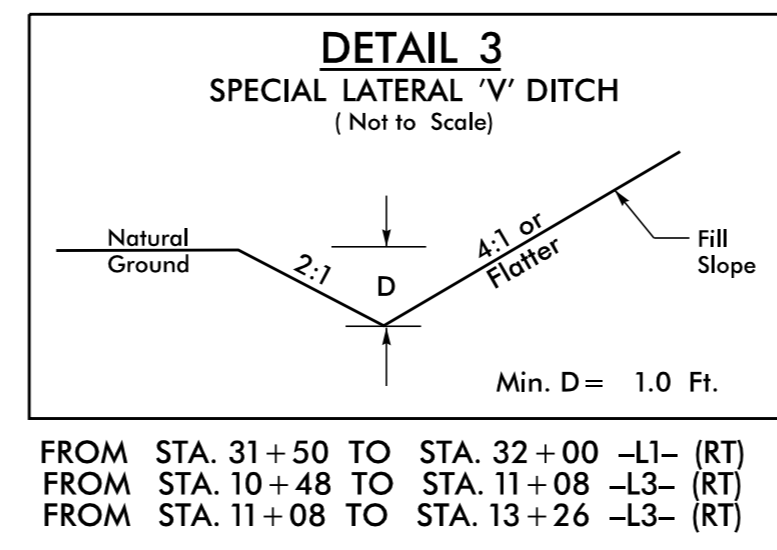
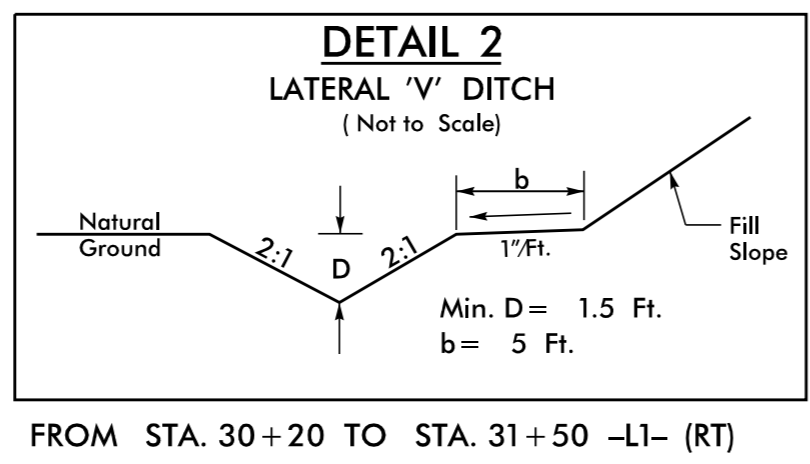
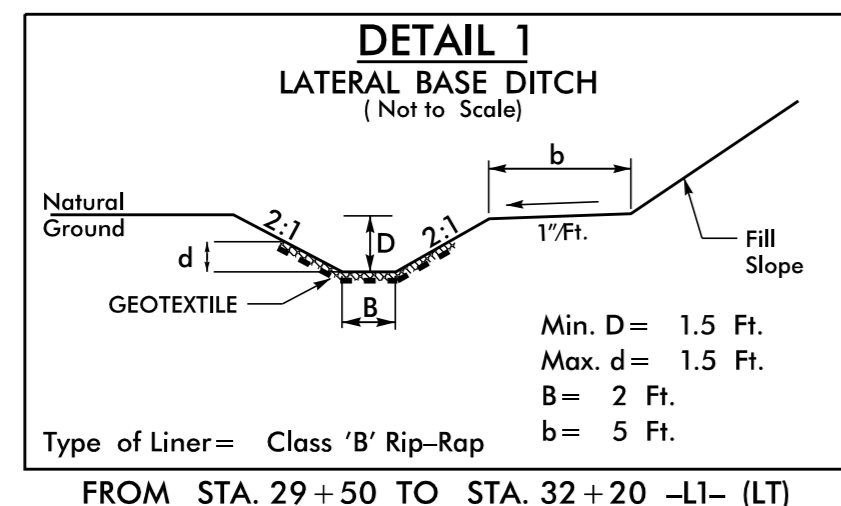


CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950 FAX 919-250-4119	
CURB RAMPS	
Parallel Ramps	
ORIGINAL BY: J.S. HOWERTON	DATE: 7/7/11
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC: stds/2012CurbRamp/CurbRampDetails.dwg	

REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

22-MAR-2012 15:07 S:\Contracts\2012\Standard Drawings\2012 Curb Ramp Special Details\Curb Ramp Details.dgn jhowerton AT CS0237501

5/14/23



Kimley»Horn
©2023
200 SOUTH TRYON, SUITE 200
CHARLOTTE, N.C. 28202

PROJECT REFERENCE NO. U-5907	SHEET NO. 20-1
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 Frank Masterson 10/23/2023	 Jason Lewis 10/26/2023
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

10/19/2023

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK
IN CUBIC YARDS

REVISIONS

LOCATION	EXCAVATION		EMBANKMENT	BORROW	BORROW IN ASBESTOS AREAS	TOTAL WASTE
	TOTAL UNCLASSIFIED	UNDERCUT IN ASBESTOS AREAS				
SECTION 1 (PHASE 2)						
-L1- 27+62.00 (LT) TO 32+70.04 (LT)	395	2198	2345	1950	2198	2198
-L1- 28+88.54 (RT) TO 32+73.00 (RT)	431	2198	2314	1883	2198	2198
-L2- 10+11.50 (LT) TO 10+96.84 (LT)	7		20	13		
-DRW4- 10+13.00 TO 10+50.33	14		0			14
SUBTOTAL	847	4396	4678	3845	4396	4410
SECTION 2 (PHASE 2)						
-L1- 10+00.00 (LT) TO 11+78.00 (LT)	29		1			28
-L1- 14+45.19 (LT) TO 16+66.10 (LT)	24		2			22
-L1- 16+89.11 (LT) TO 17+30.00 (LT)	3		0			3
-L1- 18+29.29 (LT) TO 19+29.00 (LT)	12		0			12
-L1- 19+67.46 (LT) TO 20+60.76 (LT)	6		0			6
-L1- 21+34.43 (LT) TO 23+39.63 (LT)	64		0			64
-L1- 23+63.54 (LT) TO 24+27.90 (LT)	5		0			5
-L1- 24+68.93 (LT) TO 27+62.00 (LT)	15		5			10
-L1- 27+16.96 (RT) TO 28+88.54 (RT)	66		3			63
SUBTOTAL	227		12			216
SECTION 3 (PHASE 2)						
-L2- 10+11.50 (RT) TO 10+96.84 (RT)	6		22	16		
-L1- 32+70.04 (LT) TO 33+33.19 (LT)	22		7			15
-L1- 32+73.00 (RT) TO 33+33.19 (RT)	34		0			34
-L1- 33+33.19 (LT) TO 38+09.04 (LT)	70		6			64
-MUT3- 14+75.85 TO 16+53.95	9		46	37		
SUBTOTAL	141		81	53		113
SECTION 4 (PHASE 3A)						
-Y3- 12+09.42 (RT) TO 15+50.71 (RT)	50		542	492		
-CURB 1B- 10+00.00 TO 12+28.10	108		113	5		
-L1- 41+80.80 (LT) TO 42+40.80 (LT)	17		5			12
-L1- 41+80.80 (RT) TO 42+50.00 (RT)	10		9			1
-CURB 1C- 10+50.00 TO 11+72.35	94		51			43
-RDBT- 10+00.00 TO 11+17.99	11		405	394		
SUBTOTAL	290		1124	890		57

LOCATION	EXCAVATION		EMBANKMENT	BORROW	BORROW IN ASBESTOS AREAS	TOTAL WASTE
	TOTAL UNCLASSIFIED	UNDERCUT IN ASBESTOS AREAS				
SECTION 5 (PHASE 3B)						
-Y3- 13+50.11 (LT) TO 15+49.53 (LT)	11		52	41		
-CURB 1A- 10+00.00 TO 11+00.00	7		140	133		
-L3- 11+50.00 (RT) TO 13+31.38 (RT)	32		156	124		
-CURB 1D- 10+00.00 TO 12+19.42	146		39			107
-Y3- 18+49.15 (LT) TO 21+60.00 (LT)	106		61			45
-RDBT- 11+17.99 TO 12+63.86	65		381	316		
SUBTOTAL	367		829	614		152
SECTION 6 (PHASE 3C)						
-L3- 11+50.00 (LT) TO 13+31.38 (LT)	20		72	52		
-Y3- 18+48.88 (RT) TO 21+60.00 (RT)	39		74	35		
-CURB 1A- 11+00.00 TO 12+15.36	52		68	16		
-CURB 1C- 10+00.00 TO 10+50.00	43		2			41
SUBTOTAL	154		216	103		41
TOTAL	2026	4396	6939	5505		4988
EARTH WASTE TO REPLACE BORROW					-592	-592
PROJECT TOTAL						
	2026	4396	6939	4913		4396
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT					246	
GRAND TOTAL						
	2026	4396	6939	5159	4396	4396
SAY						
	2100	4400		5200	4400	
ESTIMATED DDE = 10 CY						

NOTE: APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, NON-ASBESTOS BORROW, FINE GRADING, CLEARING AND GRUBBING, REMOVAL OF EXISTING PAVEMENT, AND BREAKING OF EXISTING PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "GRADING."

COMPUTED BY: F.MASTERSON DATE: 10/31/19
CHECKED BY: J.Moore DATE: 09/27/23

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO. U-5907 SHEET NO. 3D-1

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout.
See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Table with columns: LINE & STATION, SIZE, THICKNESS OR GAUGE, OFFSET, STRUCTURE NUMBER, TOP ELEVATION, INVERT ELEVATION, MINIMUM REQUIRED SLOPE, Drainage Pipe (RCP, CSP, CAAP, HDPE, or PVC), C. S. PIPE, R. C. PIPE CLASS III, R. C. PIPE CLASS IV, R. C. PIPE CLASS V, ENDWALLS, DRAINAGE STRUCTURE, QUANTITIES FOR DRAINAGE STRUCTURES, FRAME, GRATES, AND HOOD, CONCRETE TRANSITIONAL SECTION, OPEN THROAT C.B., D.I. STD., D.I. FRAME AND GRATES, G.D.I. TYPE, G.D.I. (N.S. SAG) FRAME, T.B.J.B., T.B.D.I., M.H. FRAME AND COVER, FLOWABLE FILL, CONCRETE COLLARS, CONCRETE AND BRICK PIPE PLUG, PIPE REMOVAL, ABBREVIATIONS, REMARKS.

SHEET TOTALS

Summary row for SHEET TOTALS with values: 24, 128, 672, 48, 12, 36, 328, 13.900, 23, 26.7, 6.1, 15, 3, 7, 7, 1, 1, 1, 2, 2, 2, 2, 2, 2, 55

**STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS**

SUMMARY OF SUBSURFACE DRAINAGE

LINE	Station	Station	Location LT/RT/CL	Drain Type* UD/BD/SD	LF
			CONTINGENCY	SD	200
				TOTAL LF:	200

*UD = Underdrain
 *BD = Blind Drain
 *SD = Subsurface Drain

SUMMARY OF AGGREGATE SUBGRADE/STABILIZATION

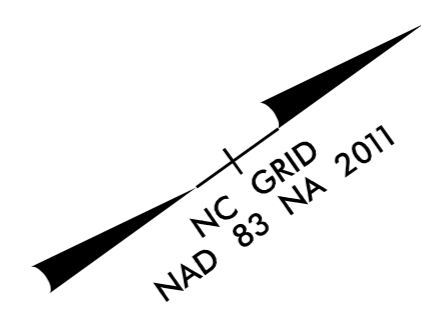
LINE	Station	Station	Aggregate Type* ASU(1/2)/ AST	Aggregate Thickness INCHES [8" for ASU(2)]	Shallow Undercut CY	Class IV Subgrade Stabilization TONS	Geotextile for Subgrade Stabilization SY	Stabilizer Aggregate TONS	Class IV Aggregate Stabilization TONS
			CONTINGENCY	ASU 1	12	250	550	750	
				TOTAL CY/TONS/SY:		250	550**	750**	0

*ASU(1/2) = Aggregate Subgrade (Type 1 or 2)
 *AST = Aggregate Stabilization
 **Total tons of "Class IV Subgrade Stabilization" and total square yards of "Geotextile for Subgrade Stabilization" are only the estimated quantities for ASU(1/2)/AST and may only represent a portion of the subgrade stabilization and geotextile quantities shown in the Item Sheets of the Proposal.

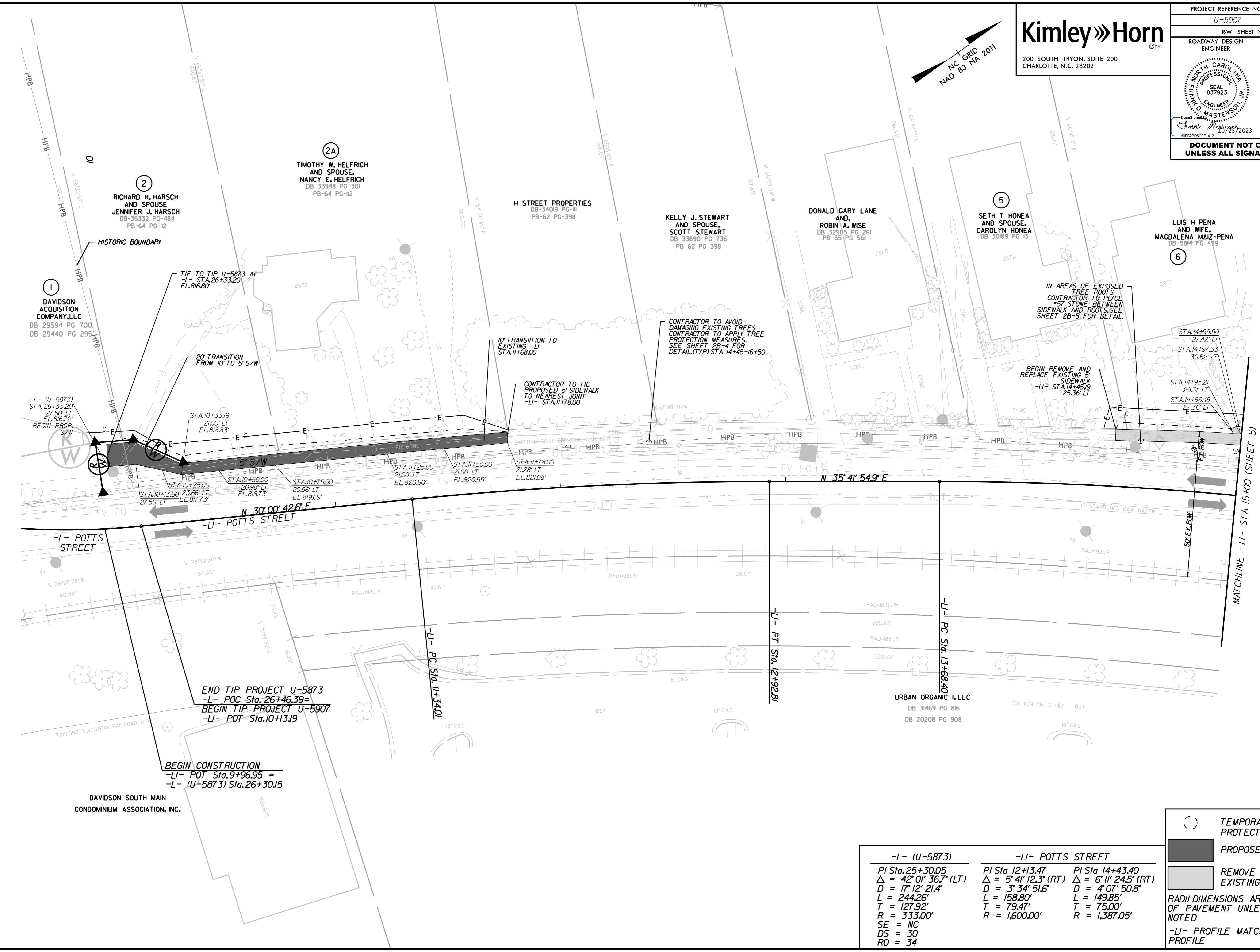
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PARCEL INDEX SHEET

PARCEL NO.	SHEET NO.	PROPERTY OWNERS NAMES
1	4	Davidson Acquisition Company, LLC
2	4	Richard H. Harsch and Spouse, Jennifer J. Harsch
2A	4	Timothy W. Helfrich and Spouse, Nancy E. Helfrich
5	4	Seth T. Honea and Spouse, Carolyn Honea
6	4, 5	Luis H. Pena and Wife, Magdalena Maiz-Pena
7	5	Sadler Industries, Inc.
8	5	Dana Worley and Jocelyn Rusk
9	5	Evan H. Webster
10	5, 6	Edgemont Ave Properties, LLC
11	6	Bellsouth Telecommunications, Inc.
12	6	The Town of Davidson
13	6, 7	Hovey Enterprises, Inc.
14	7	Bonnie D. Newell and Michael A. Newell
15	7	Juan Allende Moran and Wife, Angelica Encarnacion-Rivera
16	7	Gwendolyn Diane Sherrill
17	7	Alexander W. Long and Wife, Mary L. Long
18	7	Edna Huntley Patterson
19	7	Elizabeth Davis, Mattie Grisson, and Nannie Fogg - By Will
20	7	Hortence Carr Williams
21	7	Tina L. Donaldson
22	7, 8	Davidson Habitat For Humanity, Inc.
24	8	Bola Properties LLC
25	8	Angela Brandson Edwards
26	8	Habitat For Humanity
27	8	Marjean Torrence, Bernice Houston, Mildred Donaldson, and Vinnie Moore
28	8	Town of Davidson
29	8	Minnie Mayhew
30	8	Percy Morton Scales, Heirs
31	8, 9	Metrolina Warehouse LLC
31A	8	Julia Donaldson Johnson Clinton Lyvonne Donaldson
32	9, 10, 12	Town of Davidson
33	9, 10	African Methodist Episcopal Zion Church
34	10	The Davidson Housing Coalition, Inc.
35	10	The Trustees of Davidson College
36	10	Willie Lavictor Hay And Wide Trina B. Hay
37	10	Evelyn M. Carr
38	10, 13	The Trustees of Davidson College
39	10, 12	Woods at Lake Davidson Homeowners Association, Inc.
40	10	North Carolina State Highway Commision
41	10, 11, 13	The Trustees of Davidson College
42	11	Thomas H. Necessary and Wife, Kelly A. Necessary
43	11	Benedetto Mauceri and Wife, Robyn P. Mauceri
44	12	The Trustees of Davidson College
45	12	Davidson Masonic Lodge



PROJECT REFERENCE NO. U-5907	SHEET NO. 4
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
<i>Frank Masterson</i> 10/25/2023	<i>Jason Lewis</i> 10/26/2023
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



2 RICHARD H. HARSCH AND SPOUSE, JENNIFER J. HARSCH DB-35332 PG-484 PB-64 PG-II2

2A TIMOTHY W. HELFRICH AND SPOUSE, NANCY E. HELFRICH DB-33948 PG-301 PB-64 PG-II2

1 DAVIDSON ACQUISITION COMPANY, LLC DB-29594 PG-700 DB-29440 PG-295

5 SETH T. HONEA AND SPOUSE, CAROLYN HONEA DB-30189 PG-13

6 LUIS H. PENA AND WIFE, MACDALENA MAIZ-PENA DB-5814 PG-499

H STREET PROPERTIES DB-34019 PG-III PB-62 PG-398

KELLY J. STEWART AND SPOUSE, SCOTT STEWART DB-33690 PG-736 PB-62 PG-398

DONALD GARY LANE AND, ROBIN A. WISE DB-32505 PG-261 PB-55 PG-561

CONTRACTOR TO AVOID DAMAGING EXISTING TREES. CONTRACTOR TO APPLY TREE PROTECTION MEASURES. SEE SHEET 2B-4 FOR DETAIL (TYP) STA 14+45-16+50

CONTRACTOR TO TIE PROPOSED 5' SIDEWALK TO NEAREST JOINT -LI- STA.11+78.00

CONTRACTOR TO PLACE 15" STONE BETWEEN SIDEWALK AND ROOTS. SEE SHEET 2B-5 FOR DETAIL

BEGIN REMOVE AND REPLACE EXISTING 5' SIDEWALK -LI- STA.14+45.19 25.36' LT

IN AREAS OF EXPOSED TREE ROOTS - CONTRACTOR TO PLACE 15" STONE BETWEEN SIDEWALK AND ROOTS. SEE SHEET 2B-5 FOR DETAIL

END TIP PROJECT U-5873 -L- POC Sta. 26+46.39 = BEGIN TIP PROJECT U-5907 -LI- POT Sta. 10+13.19

BEGIN CONSTRUCTION -LI- POT Sta. 9+96.95 = -L- (U-5873) Sta. 26+30.15

DAVIDSON SOUTH MAIN CONDOMINIUM ASSOCIATION, INC.

URBAN ORGANIC I, LLC DB-31469 PG-816 DB-20208 PG-908

COTTON GIN ALLEY

EXISTING SOUTHERN RAILROAD R/W

12" ABANDONED RAW WATER

60" EX. ROW

MATCHLINE -LI- STA 15+00 (SHEET 5)

-L- (U-5873)	-LI- POTTS STREET	PI Sta 14+43.40
PI Sta. 25+30.05	PI Sta 12+13.47	$\Delta = 6' 11" 24.5" (RT)$
$\Delta = 42' 01" 36.7" (LT)$	$\Delta = 5' 41" 12.3" (RT)$	$\Delta = 4' 07" 50.8"$
$D = 17' 12" 21.4"$	$D = 3' 34' 51.6"$	$L = 149.85'$
$L = 244.26'$	$L = 158.80'$	$T = 75.00'$
$T = 127.92'$	$T = 79.47'$	$R = 1,387.05'$
$R = 333.00'$	$R = 1,600.00'$	
SE = NC		
DS = 30		
RO = 34		

- TEMPORARY TREE PROTECTION
- PROPOSED SIDEWALK
- REMOVE AND REPLACE EXISTING SIDEWALK
- RADI DIMENSIONS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED
- LI- PROFILE MATCHES EXISTING PROFILE

5/14/1999

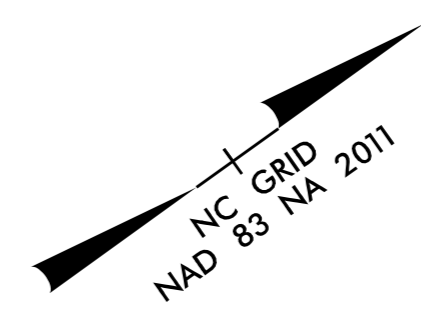
REVISIONS

ROW REV. - 10/11/21 - UPDATED PARCELS 2,2A,3,3A,& 4 WITH UPDATED PROPERTY OWNERS

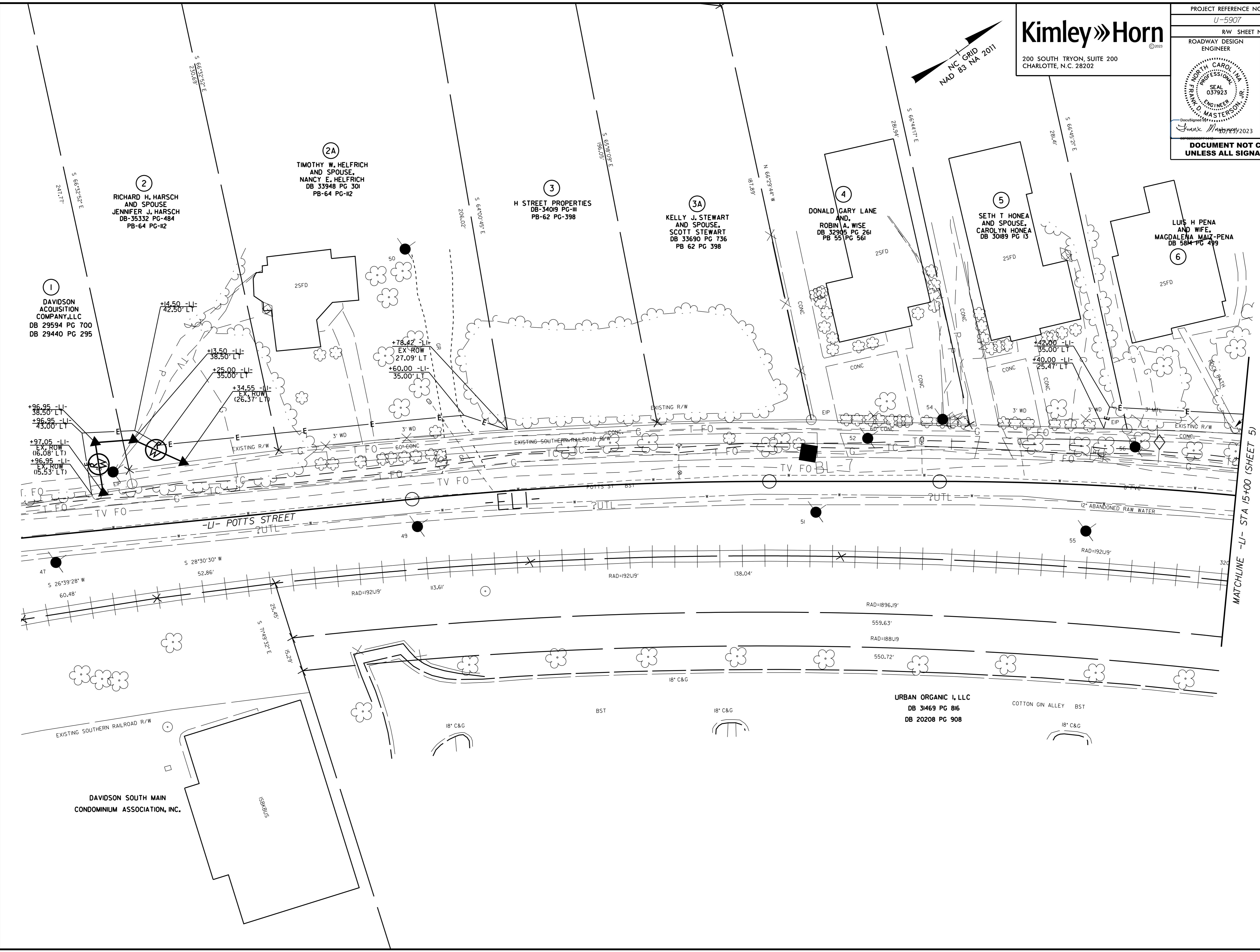
8/28/2023

Kimley»Horn

200 SOUTH TRYON, SUITE 200
CHARLOTTE, N.C. 28202



PROJECT REFERENCE NO. U-5907	SHEET NO. 4A
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



② RICHARD H. HARSCH AND SPOUSE
JENNIFER J. HARSCH
DB-35332 PG-484
PB-64 PG-II2

②A TIMOTHY W. HELFRICH AND SPOUSE,
NANCY E. HELFRICH
DB 33948 PG 301
PB-64 PG-II2

③ H STREET PROPERTIES
DB-34019 PG-III
PB-62 PG-398

③A KELLY J. STEWART AND SPOUSE,
SCOTT STEWART
DB 33690 PG 736
PB 62 PG 398

④ DONALD GARY LANE AND
ROBIN A. WISE
DB 32905 PG 261
PB 55 PG 561

⑤ SETH T HONEA AND SPOUSE,
CAROLYN HONEA
DB 30189 PG 13

⑥ LUIS H. PENA AND WIFE,
MACDALENA MAIZ-PENA
DB 584 PG 499

① DAVIDSON ACQUISITION COMPANY,LLC
DB 29594 PG 700
DB 29440 PG 295

URBAN ORGANIC I, LLC
DB 31469 PG 816
DB 20208 PG 908

DAVIDSON SOUTH MAIN CONDOMINIUM ASSOCIATION, INC.

MATCHLINE -LI- STA 15+00 (SHEET 5)

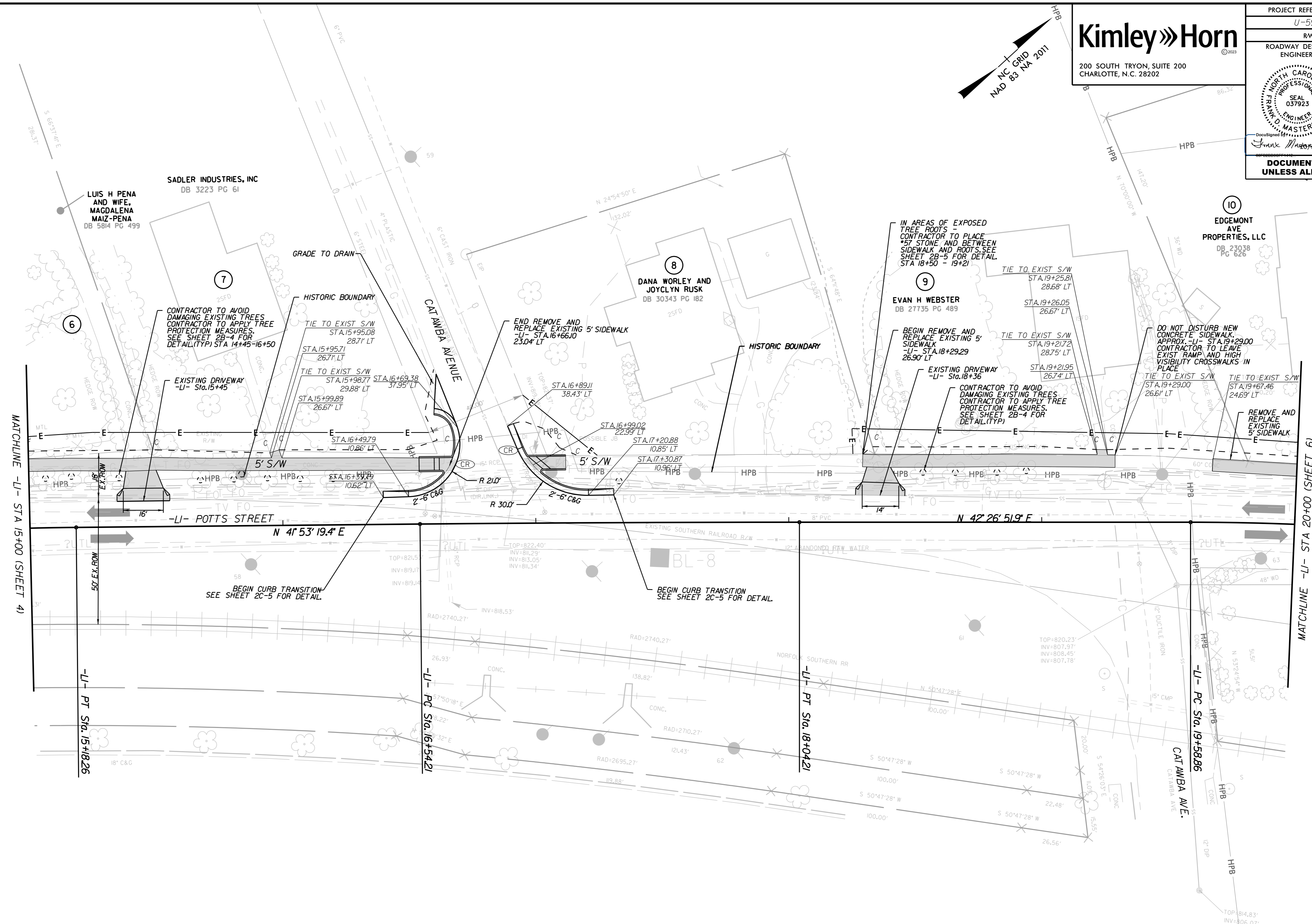
5/14/2023

10/9/2023

Kimley»Horn

200 SOUTH TRYON, SUITE 200
CHARLOTTE, N.C. 28202

PROJECT REFERENCE NO. U-5907		SHEET NO. 5	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		SEAL 037923	
F. J. MASTERS, III		SEAL 032615	
10/26/2023		10/26/2023	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			



-LI- POTTS STREET		
PI Sta 14+43.40	PI Sta 17+29.21	PI Sta 19+96.42
$\Delta = 6' 11" 24.5' (RT)$	$\Delta = 0' 33' 32.4' (RT)$	$\Delta = 4' 18' 07.9' (RT)$
D = 4' 07' 50.8"	D = 0' 22' 21.6"	D = 5' 43' 46.5"
L = 149.85'	L = 150.00'	L = 75.09'
T = 75.00'	T = 75.00'	T = 37.56'
R = 1,387.05'	R = 15,374.09'	R = 1,000.00'

- TEMPORARY TREE PROTECTION
 - REMOVE AND REPLACE EXISTING SIDEWALK
- RADI DIMENSIONS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED
- LI- PROFILE MATCHES EXISTING PROFILE

5/14/1999

Kimley»Horn

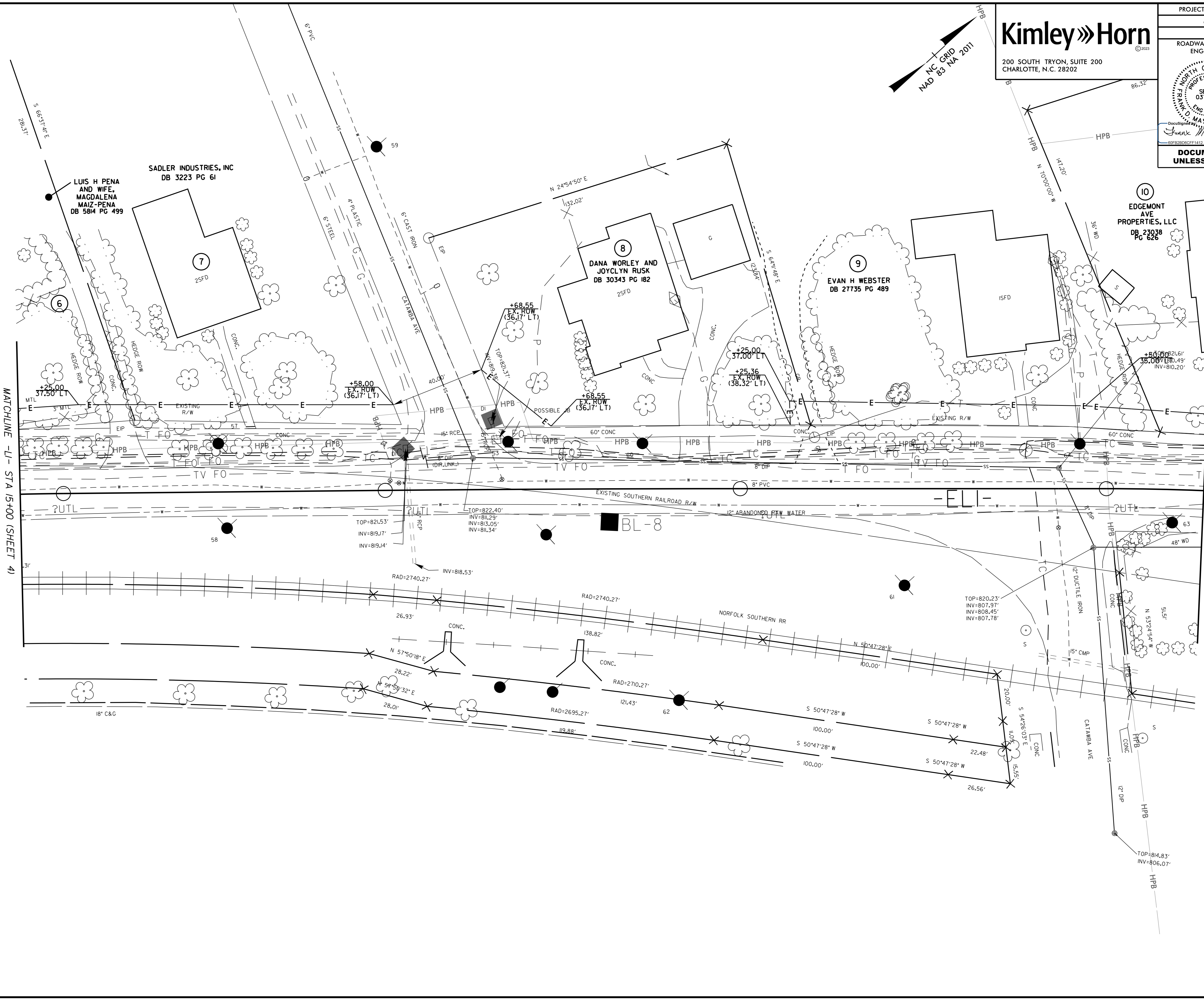
200 SOUTH TRYON, SUITE 200
CHARLOTTE, N.C. 28202

PROJECT REFERENCE NO. U-5907	SHEET NO. 5A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
Frank W. Robinson 10/25/2023 00FB2000CF1412	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

REVISIONS

MATCHLINE -L- STA 15+00 (SHEET 4)

MATCHLINE -L- STA 20+00 (SHEET 6)

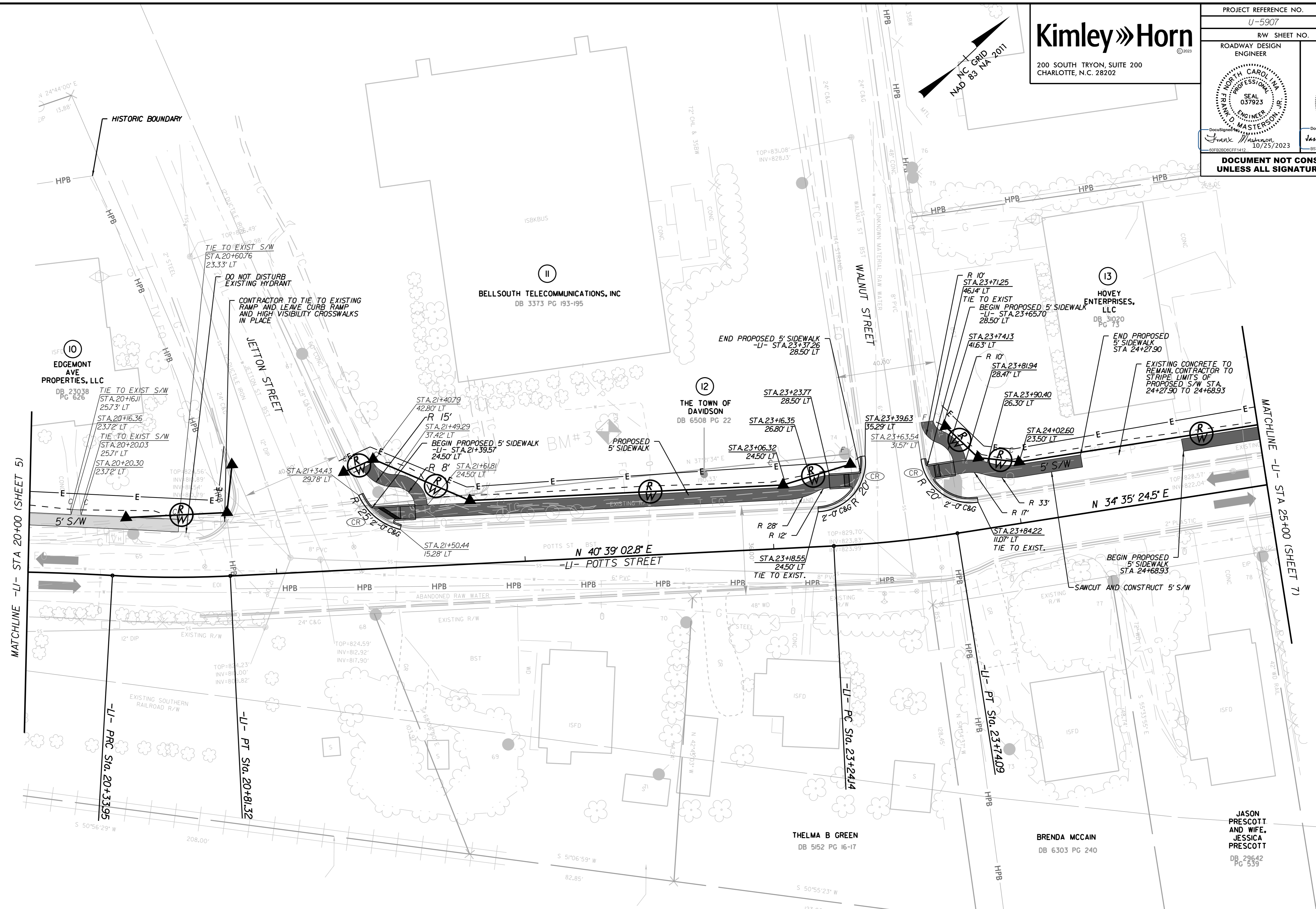


8/28/2023

Kimley»Horn

200 SOUTH TRYON, SUITE 200
CHARLOTTE, N.C. 28202

PROJECT REFERENCE NO. U-5907	SHEET NO. 6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



-LI- POTTS STREET		
PI Sta 19+96.42	PI Sta 20+57.65	PI Sta 23+49.14
$\Delta = 4' 18'' 07.9''$ (RT)	$\Delta = 6' 05'' 57.0''$ (LT)	$\Delta = 6' 03'' 38.3''$ (LT)
$D = 5' 43'' 46.5''$	$D = 12' 52'' 31.6''$	$D = 12' 07'' 57.4''$
$L = 75.09'$	$L = 47.37'$	$L = 49.95'$
$T = 37.56'$	$T = 23.71'$	$T = 25.00'$
$R = 1,000.00'$	$R = 445.00'$	$R = 472.25'$

PROPOSED SIDEWALK
REMOVE AND REPLACE EXISTING SIDEWALK

RADI DIMENSIONS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED

-LI- PROFILE MATCHES EXISTING PROFILE
SEE SHEET 14 FOR -LI- PROFILE

5/14/1999

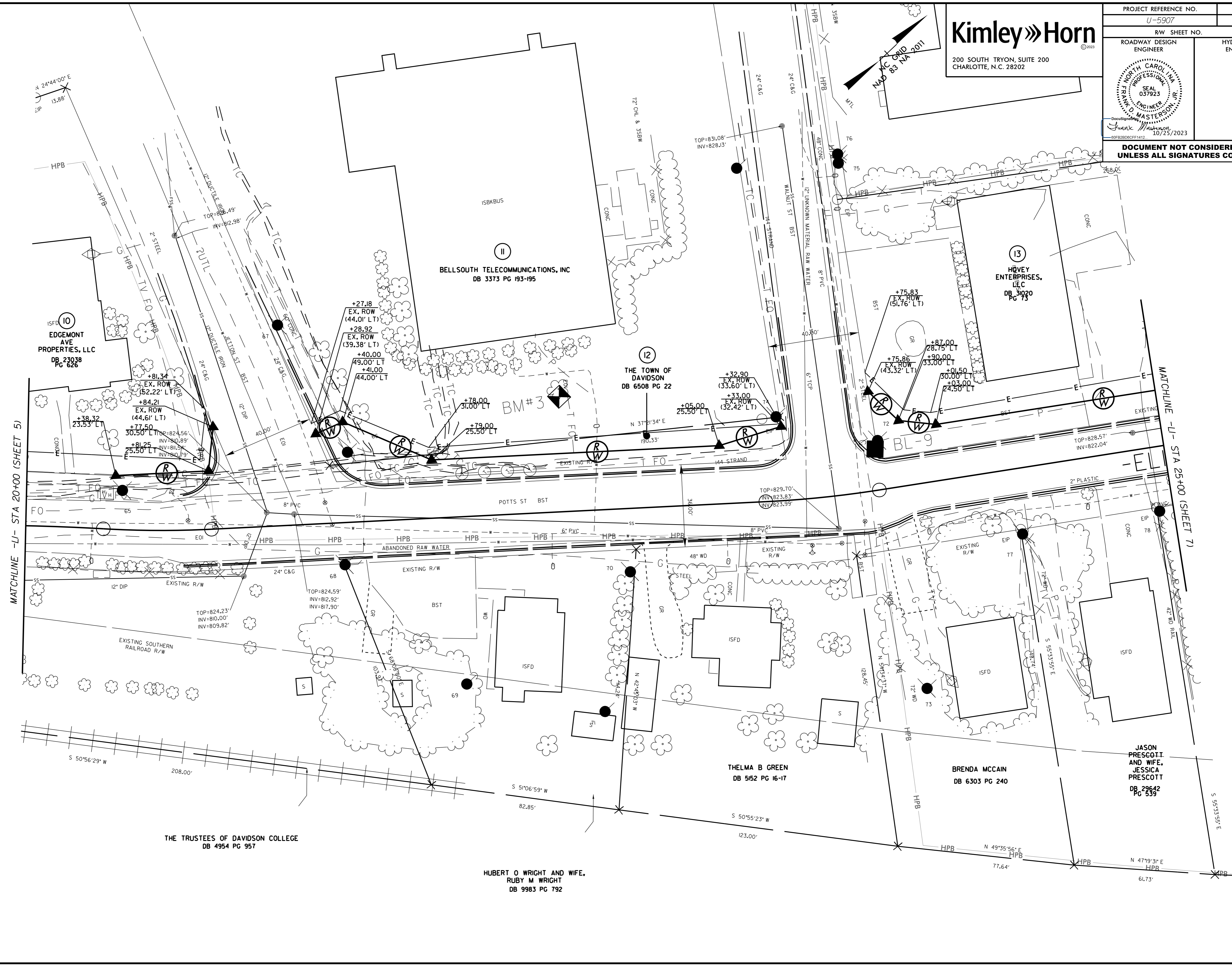
REVISIONS

8/28/2023

Kimley»Horn

200 SOUTH TRYON, SUITE 200
CHARLOTTE, N.C. 28202

PROJECT REFERENCE NO. U-5907	SHEET NO. 6A
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



MATCHLINE -LJ- STA 20+00 (SHEET 5)

MATCHLINE -LJ- STA 25+00 (SHEET 7)

10
ISFD
EDGEMONT
AVE
PROPERTIES, LLC
DB 23038
PG 626

11
BELLSOUTH TELECOMMUNICATIONS, INC
DB 3373 PG 193-195

12
THE TOWN OF
DAVIDSON
DB 6508 PG 22

13
HOVEY
ENTERPRISES,
LLC
DB 31020
PG 73

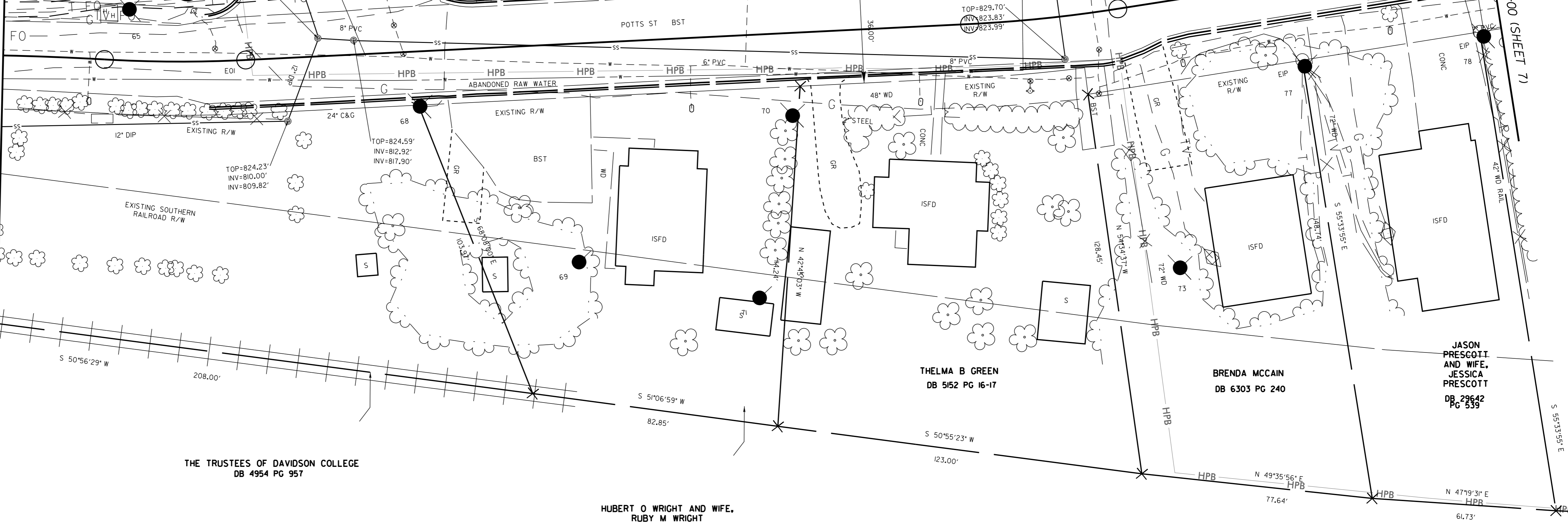
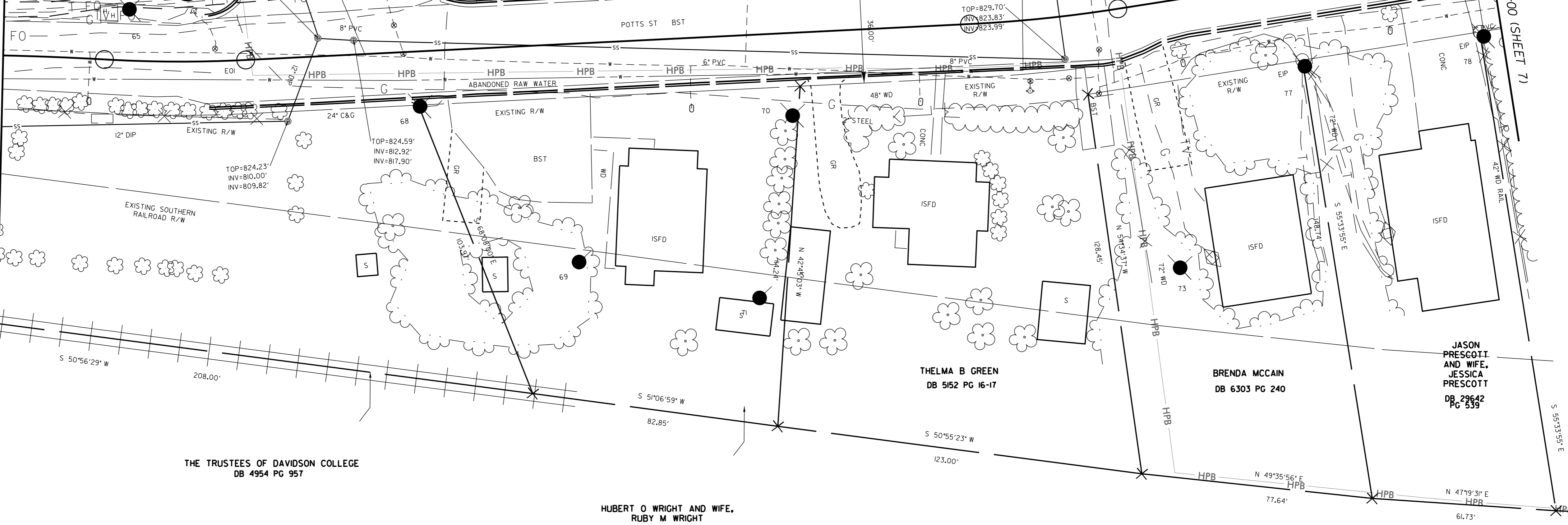
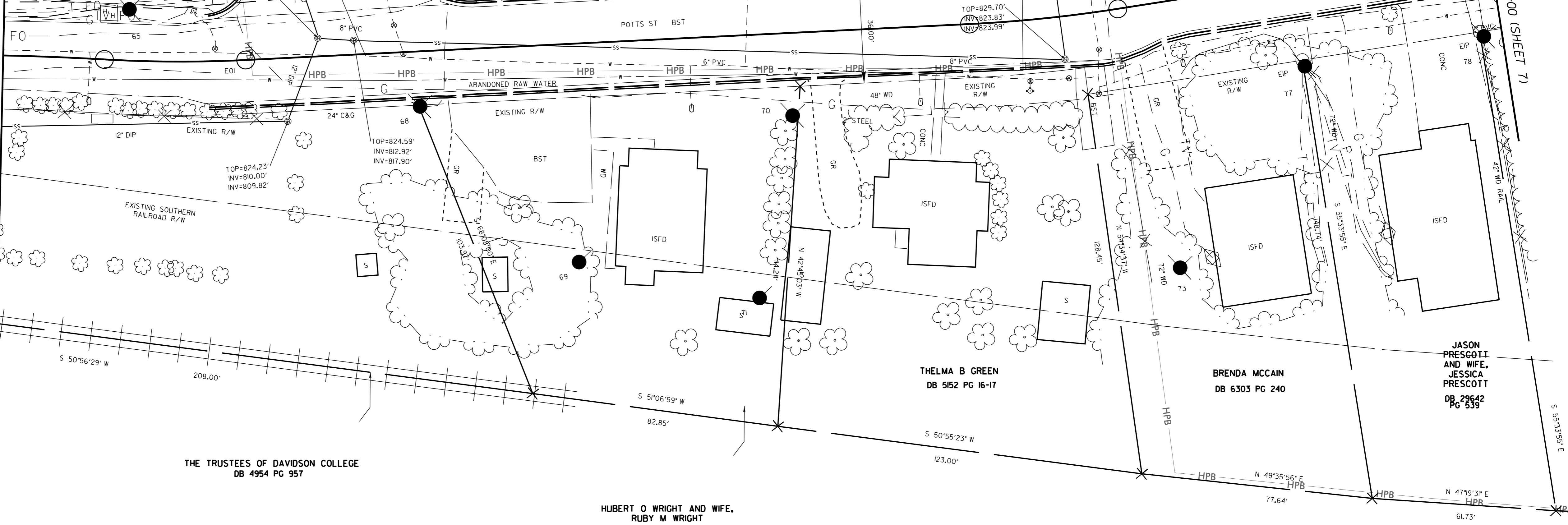
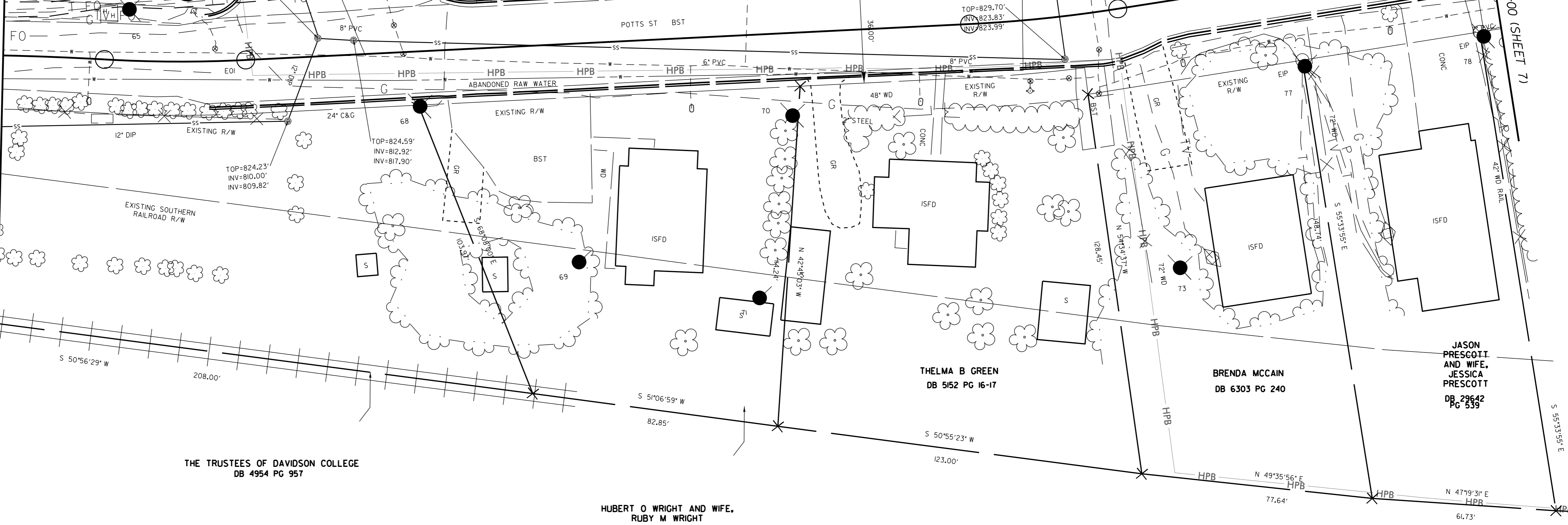
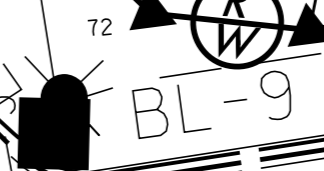
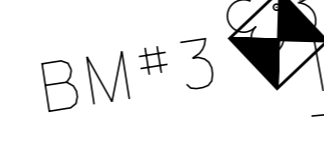
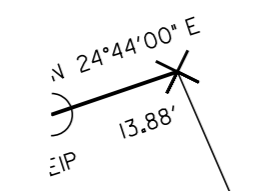
THE TRUSTEES OF DAVIDSON COLLEGE
DB 4954 PG 957

HUBERT O WRIGHT AND WIFE,
RUBY M WRIGHT
DB 9983 PG 792

THELMA B GREEN
DB 5152 PG 16-17

BRENDA MCCAIN
DB 6303 PG 240

JASON
PRESCOTT
AND WIFE,
JESSICA
PRESCOTT
DB 29642
PG 539

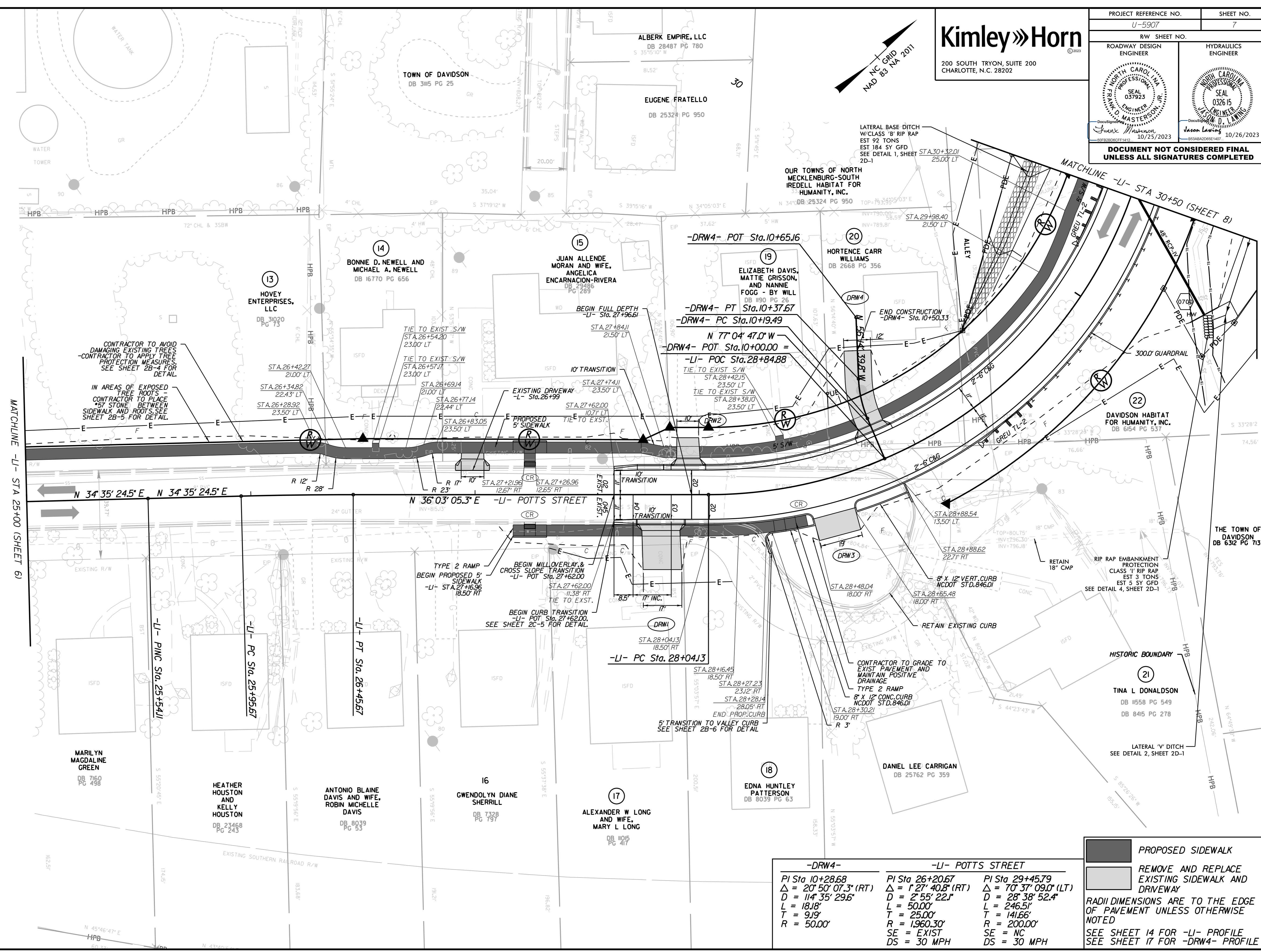




200 SOUTH TRYON, SUITE 200
CHARLOTTE, N.C. 28202

PROJECT REFERENCE NO. U-5907	SHEET NO. 7
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
10/25/2023	10/26/2023

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



-DRW4-	-LI- POTTS STREET	-LI- POTTS STREET
PI Sta 10+28.68	PI Sta 26+20.67	PI Sta 29+45.79
$\Delta = 20' 50' 07.3''$ (RT)	$\Delta = 1' 27' 40.8''$ (RT)	$\Delta = 70' 37' 09.0''$ (LT)
D = 114' 35' 29.6"	D = 2' 55' 22.1"	D = 28' 38' 52.4"
L = 18.18'	L = 50.00'	L = 246.51'
T = 9.19'	T = 25.00'	T = 141.66'
R = 50.00'	R = 1,960.30'	R = 200.00'
SE = EXIST	SE = NC	SE = NC
DS = 30 MPH	DS = 30 MPH	DS = 30 MPH

PROPOSED SIDEWALK
REMOVE AND REPLACE EXISTING SIDEWALK AND DRIVEWAY

RADI DIMENSIONS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED

SEE SHEET 14 FOR -LI- PROFILE
SEE SHEET 17 FOR -DRW4- PROFILE

CONTRACTOR TO AVOID DAMAGING EXISTING TREES - CONTRACTOR TO APPLY TREE PROTECTION MEASURES - SEE SHEET 2B-4 FOR DETAIL

IN AREAS OF EXPOSED TREE ROOTS - CONTRACTOR TO PLACE #57 STONE BETWEEN SIDEWALK AND ROOTS. SEE SHEET 2B-5 FOR DETAIL.

LATERAL BASE DITCH W/CLASS 'B' RIP RAP EST 92 TONS EST 184 SY GFD SEE DETAIL 1, SHEET 2D-1

OUR TOWNS OF NORTH MECKLENBURG-SOUTH IREDELL HABITAT FOR HUMANITY, INC.

MATCHLINE -LI- STA 30+50 (SHEET 8)

MATCHLINE -LI- STA 25+00 (SHEET 6)

N 34° 35' 24.5" E N 34° 35' 24.5" E

N 36° 03' 05.3" E -LI- POTTS STREET

300.0' GUARDRAIL

TYPE 2 RAMP BEGIN PROPOSED 5' SIDEWALK -LI- STA 27+46.36 18.50' RT

BEGIN MILL OVERLAY & CROSS SLOPE TRANSITION -LI- POT Sta. 27+62.00

BEGIN CURB TRANSITION -LI- POT Sta. 27+62.00. SEE SHEET 2C-5 FOR DETAIL.

CONTRACTOR TO GRADE TO EXIST PAVEMENT AND MAINTAIN POSITIVE DRAINAGE

TYPE 2 RAMP 8" X 12" CONC. CURB NCDOT STD. 846.01

STA. 28+30.21 19.00' RT R 3'

RIP RAP EMBANKMENT PROTECTION CLASS '1' RIP RAP EST 3 TONS EST 5 SY GFD SEE DETAIL 4, SHEET 2D-1

HISTORIC BOUNDARY

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TINA L DONALDSON DB 11558 PG 549 DB 8415 PG 278

LATERAL 'V' DITCH SEE DETAIL 2, SHEET 2D-1