

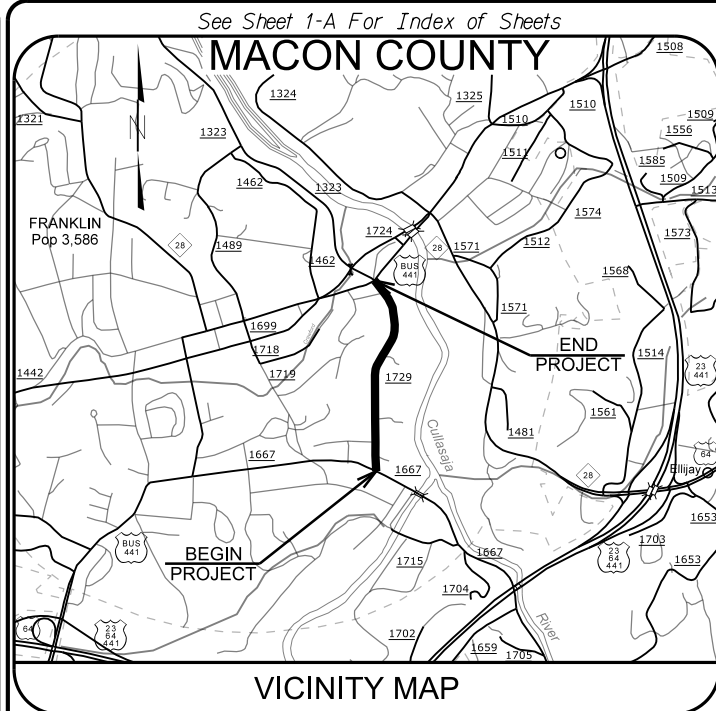
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and sealed by the individuals whose names and license
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with their signature on that page.**

**This file or an individual page
shall not be considered a certified document.**

PROJECT: EB-5756

CONTRACT: DNI2002273



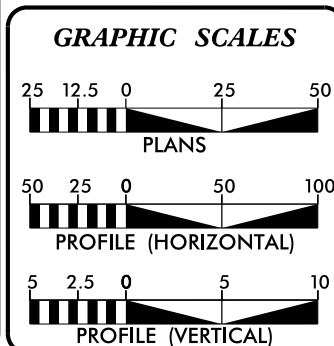
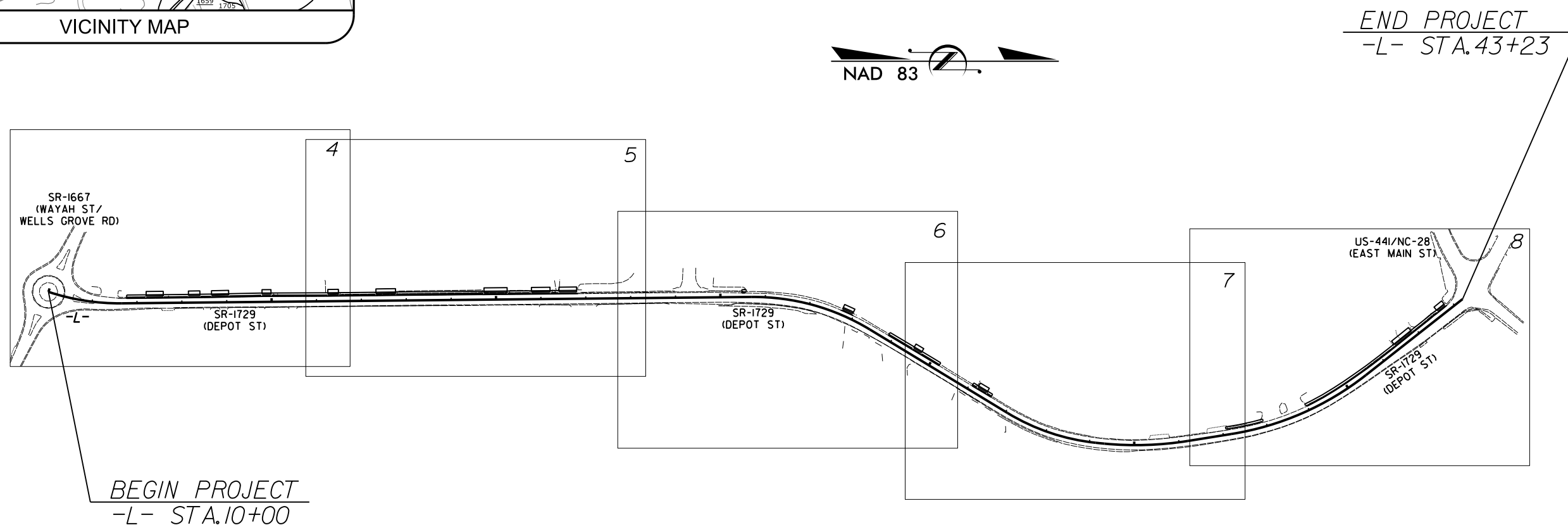
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

MACON COUNTY

LOCATION: ALONG SR-1729 (DEPOT ST) BEGINNING AT INTERSECTION WITH SR-1667 (WAYAH ST/WELLS GROVE RD) AND ENDING AT INTERSECTION WITH US-44/NC-28 (EAST MAIN ST)

TYPE OF WORK: CURB & GUTTER, SIDEWALK INSTALLATION, DRAINAGE

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	EB-5756	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50433.3.1	TAP-1729(004)	CONSTRUCTION	



PROJECT LENGTH

0.63 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS
191 Robbinsville Rd., Andrews NC, 28901

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: _____

LETTING DATE: 01-11-2022

ANDY RUSSELL P.E.
PROJECT ENGINEER

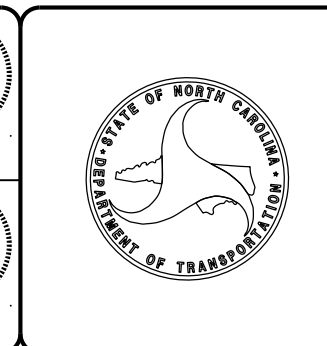
ANDY RUSSELL P.E.
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

ANDY RUSSELL P.E.

ROADWAY DESIGN ENGINEER

ANDY RUSSELL P.E.



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

INDEX OF SHEETS

1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND LIST OF STANDARDS
1B	CONVENTIONAL SYMBOLS
2A	TYPICAL SECTIONS
2C-1	DETAIL OF PIPE HANDRAIL
2C-2	DETAIL OF TRAFFIC BEARING GRATED INLET
2C-3	DETAIL OF DIRECTIONAL CURB RAMPS
3D	DRAINAGE SUMMARY SHEET
4-11	PLAN AND PROFILE SHEETS
PMP1-PMP6	PAVEMENT MARKING PLAN
EC1-EC8	EROSION CONTROL SHEETS
X1-X35	CROSS SECTIONS

GENERAL NOTES

- GENERAL NOTES: 2018 SPECIFICATIONS
EFFECTIVE: 01-16-2018
- CARE SHALL BE TAKEN TO PREVENT DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION. ANY DAMAGE TO THESE UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
 - THE CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY.
 - CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS. CONSTRUCT ALL CURB RAMPS IN ACCORDANCE WITH STD. 848.05 AND/OR 848.06.
 - DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. 848.02 USING 3 FOOT RADII OR AS SHOWN ON THE PLANS. LOCATIONS OF DRIVES WILL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
 - NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

- UTILITY OWNERS:
- TOWN OF FRANKLIN 828-421-2002
 - FRONTIER COMMUNICATIONS 813-240-6246
 - TOCCOA NATURAL GAS 706-490-2884

LIST OF ROADWAY STANDARDS

2018 ROADWAY STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" - Highway Design Branch - N.C. Department of Transportation - Raleigh, N.C., dated January 16, 2018 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

STD. NO.	TITLE
DIVISION 3 - PIPE CULVERTS	
300.01	Method of Pipe Installation
DIVISION 8 - INCIDENTALS	
838.01	Concrete Endwall for Single and Double Pipe Culverts - 15° thru 48° Pipe 90° Skew
846.01	Concrete Curb, Gutter and Curb & Gutter
848.01	Concrete Sidewalk
848.02	Driveway Turnout - Radius Type
DIVISION II - WORK ZONE TRAFFIC CONTROL	
1101.01	Work Zone Advance Warning Signs
1110.01	Stationary Work Zone Signs
1101.11	Traffic Control Design Tables

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○ EP
Property Corner	✕
Property Monument	□ ECM
Parcel/Sequence Number	⑫③
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	□
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	---WLB---
Proposed Wetland Boundary	---WLB---
Existing Endangered Animal Boundary	---EAB---
Existing Endangered Plant Boundary	---EPB---
Known Soil Contamination: Area or Site	☠ ☠
Potential Soil Contamination: Area or Site	☠ ?

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	○
Well	○
Small Mine	✕
Foundation	□
Area Outline	□
Cemetery	□
Building	□
School	□
Church	□
Dam	□

HYDROLOGY:

Stream or Body of Water	-----
Hydro, Pool or Reservoir	-----
Jurisdictional Stream	---JS---
Buffer Zone 1	---BZ 1---
Buffer Zone 2	---BZ 2---
Flow Arrow	←
Disappearing Stream	→
Spring	○
Wetland	---
Proposed Lateral, Tail, Head Ditch	-----
False Sump	-----

RAILROADS:

Standard Gauge	-----
RR Signal Milepost	○
Switch	□
RR Abandoned	-----
RR Dismantled	-----

RIGHT OF WAY:

Baseline Control Point	◆
Existing Right of Way Marker	△
Existing Right of Way Line	-----
Proposed Right of Way Line	-----
Proposed Right of Way Line with Iron Pin and Cap Marker	-----
Proposed Right of Way Line with Concrete or Granite RW Marker	-----
Proposed Control of Access Line with Concrete CA Marker	-----
Existing Control of Access	-----
Proposed Control of Access	-----
Existing Easement Line	---E---
Proposed Temporary Construction Easement	---E---
Proposed Temporary Drainage Easement	---TDE---
Proposed Permanent Drainage Easement	---PDE---
Proposed Permanent Drainage / Utility Easement	---DUE---
Proposed Permanent Utility Easement	---PUE---
Proposed Temporary Utility Easement	---TUE---
Proposed Aerial Utility Easement	---AUE---
Proposed Permanent Easement with Iron Pin and Cap Marker	-----

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	---C---
Proposed Slope Stakes Fill	---F---
Proposed Curb Ramp	○ CR
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	⊕
Pavement Removal	-----
Single Tree	☼
Single Shrub	☼
Hedge	-----
Woods Line	-----

VEGETATION:

Orchard	-----
Vineyard	-----

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	-----
Bridge Wing Wall, Head Wall and End Wall	-----
MINOR:	
Head and End Wall	-----
Pipe Culvert	-----
Footbridge	-----
Drainage Box: Catch Basin, DI or JB	□ CB
Paved Ditch Gutter	-----
Storm Sewer Manhole	⊕
Storm Sewer	-----

UTILITIES:

POWER:	
Existing Power Pole	●
Proposed Power Pole	○
Existing Joint Use Pole	●
Proposed Joint Use Pole	○
Power Manhole	⊕
Power Line Tower	⊗
Power Transformer	⊗
U/G Power Cable Hand Hole	□
H-Frame Pole	●
Recorded U/G Power Line	-----
Designated U/G Power Line (S.U.E.*)	-----

TELEPHONE:

Existing Telephone Pole	●
Proposed Telephone Pole	○
Telephone Manhole	⊕
Telephone Booth	□
Telephone Pedestal	⊕
Telephone Cell Tower	⊗
U/G Telephone Cable Hand Hole	□
Recorded U/G Telephone Cable	-----
Designated U/G Telephone Cable (S.U.E.*)	-----
Recorded U/G Telephone Conduit	-----
Designated U/G Telephone Conduit (S.U.E.*)	-----
Recorded U/G Fiber Optics Cable	-----
Designated U/G Fiber Optics Cable (S.U.E.*)	-----

WATER:

Water Manhole	⊕
Water Meter	○
Water Valve	⊗
Water Hydrant	⊕
Recorded U/G Water Line	-----
Designated U/G Water Line (S.U.E.*)	-----
Above Ground Water Line	-----

TV:

TV Satellite Dish	⊗
TV Pedestal	□
TV Tower	⊗
U/G TV Cable Hand Hole	□
Recorded U/G TV Cable	-----
Designated U/G TV Cable (S.U.E.*)	-----
Recorded U/G Fiber Optic Cable	-----
Designated U/G Fiber Optic Cable (S.U.E.*)	-----

GAS:

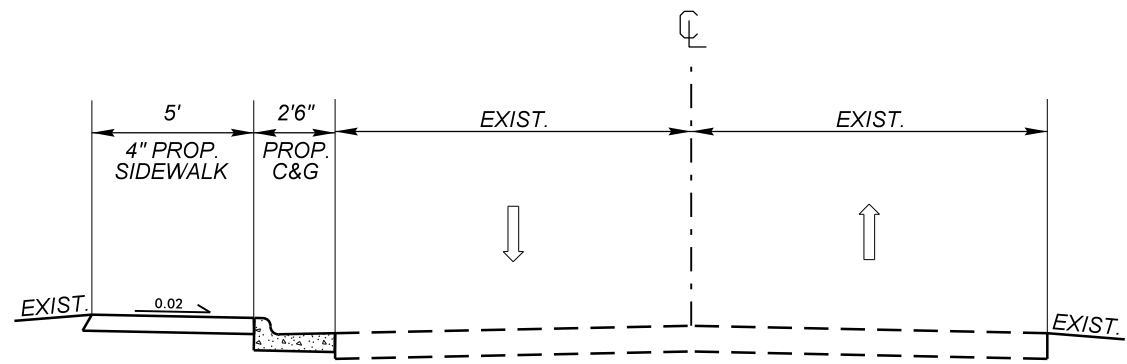
Gas Valve	◇
Gas Meter	⊕
Recorded U/G Gas Line	-----
Designated U/G Gas Line (S.U.E.*)	-----
Above Ground Gas Line	-----

SANITARY SEWER:

Sanitary Sewer Manhole	⊕
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	-----
Above Ground Sanitary Sewer	-----
Recorded SS Forced Main Line	-----
Designated SS Forced Main Line (S.U.E.*)	-----

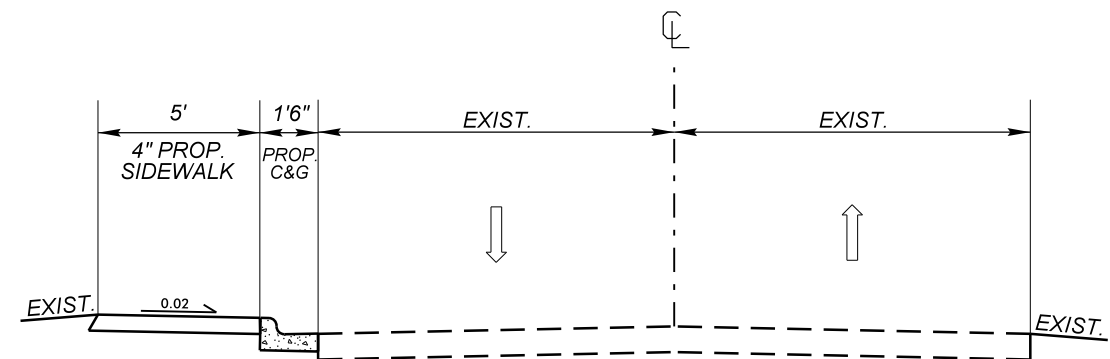
MISCELLANEOUS:

Utility Pole	●
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	⊕
Utility Unknown U/G Line	-----
U/G Tank; Water, Gas, Oil	□
Underground Storage Tank, Approx. Loc.	⊕
A/G Tank; Water, Gas, Oil	□
Geoenvironmental Boring	⊕
U/G Test Hole (S.U.E.*)	⊕
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.



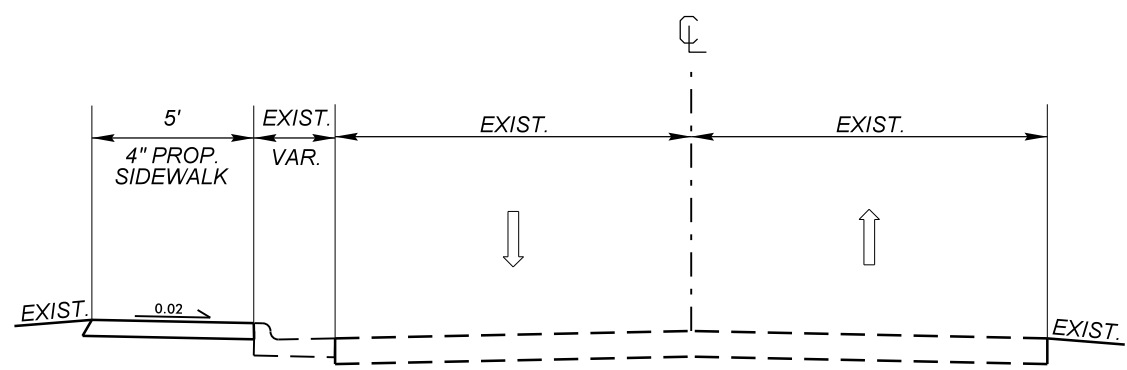
TYPICAL SECTION 1

USE TYPICAL SECTION 1
 STA 11+77 - 21+41
 STA 25+47 - 25+58
 STA 28+88 - 30+20
 STA 31+20 - 31+56



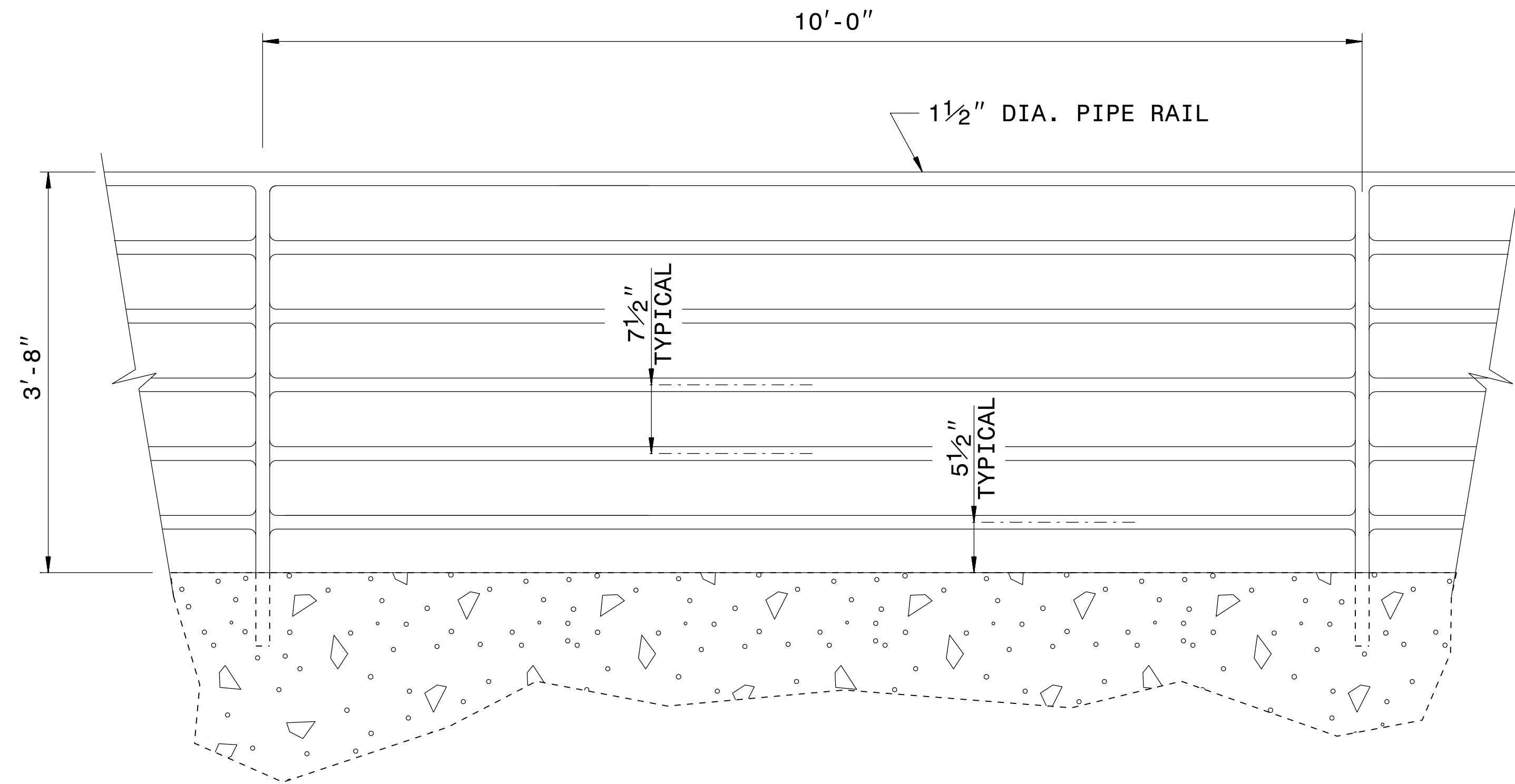
TYPICAL SECTION 2

USE TYPICAL SECTION 2
 STA 38+97 - 42+62

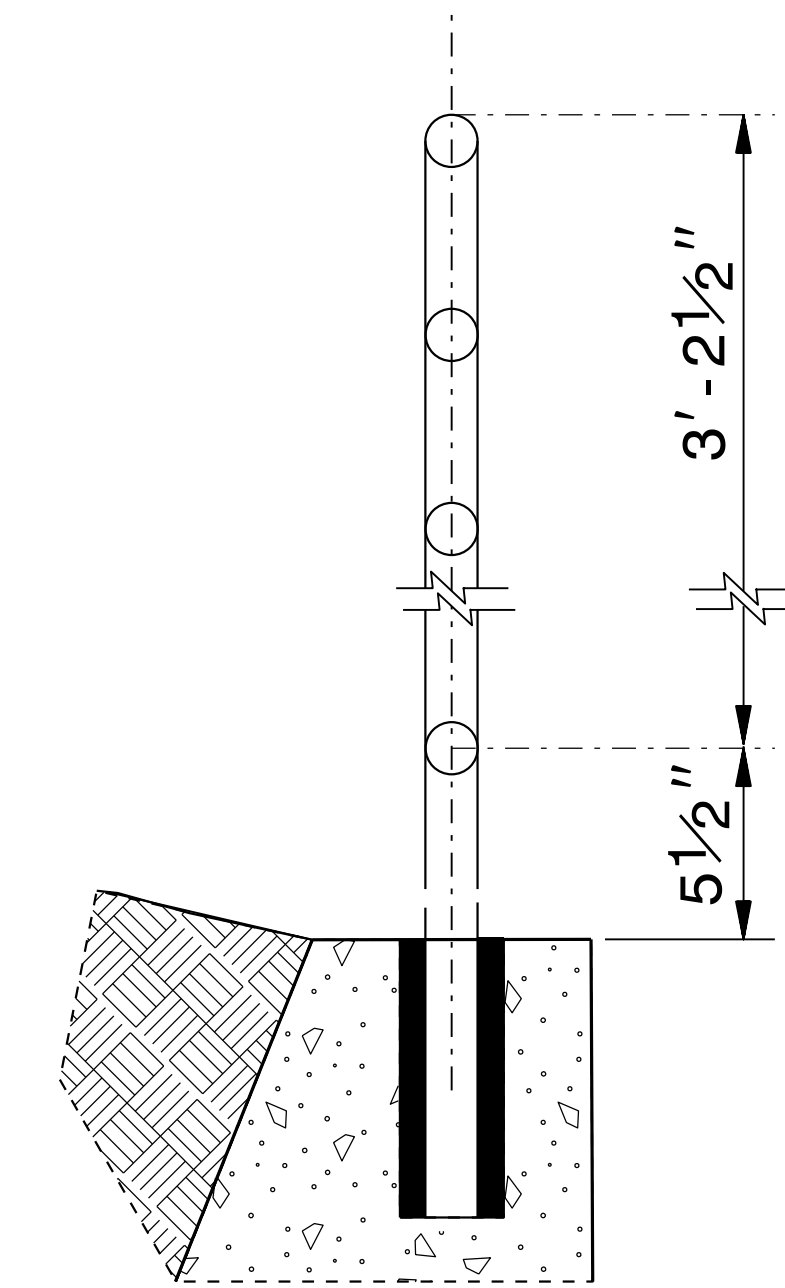


TYPICAL SECTION 3

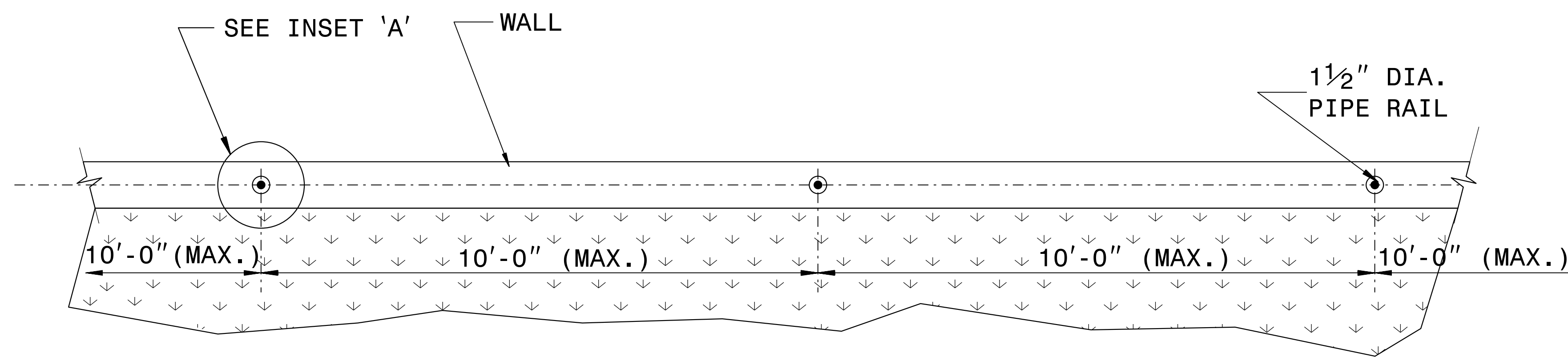
USE TYPICAL SECTION 3
 STA 37+08 - 37+95



ELEVATION OF HANDRAIL



INSET 'A'



PLAN VIEW

NOTES:

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

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

WELD IN ACCORDANCE WITH ARTICLE 1072-18 OF THE STANDARD SPECIFICATIONS.

SUBMIT THE ATTACHMENT OF THE HANDRAIL TO THE RETAINING WALL TO THE CONTRACTS AND STANDARDS OFFICE FOR APPROVAL.

I4-MAR-2019 10:43 S:\Contracts\Special Details\Howerton\Handrail on Retaining Wall.dgn Jhowerton AT CSD-292595

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



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

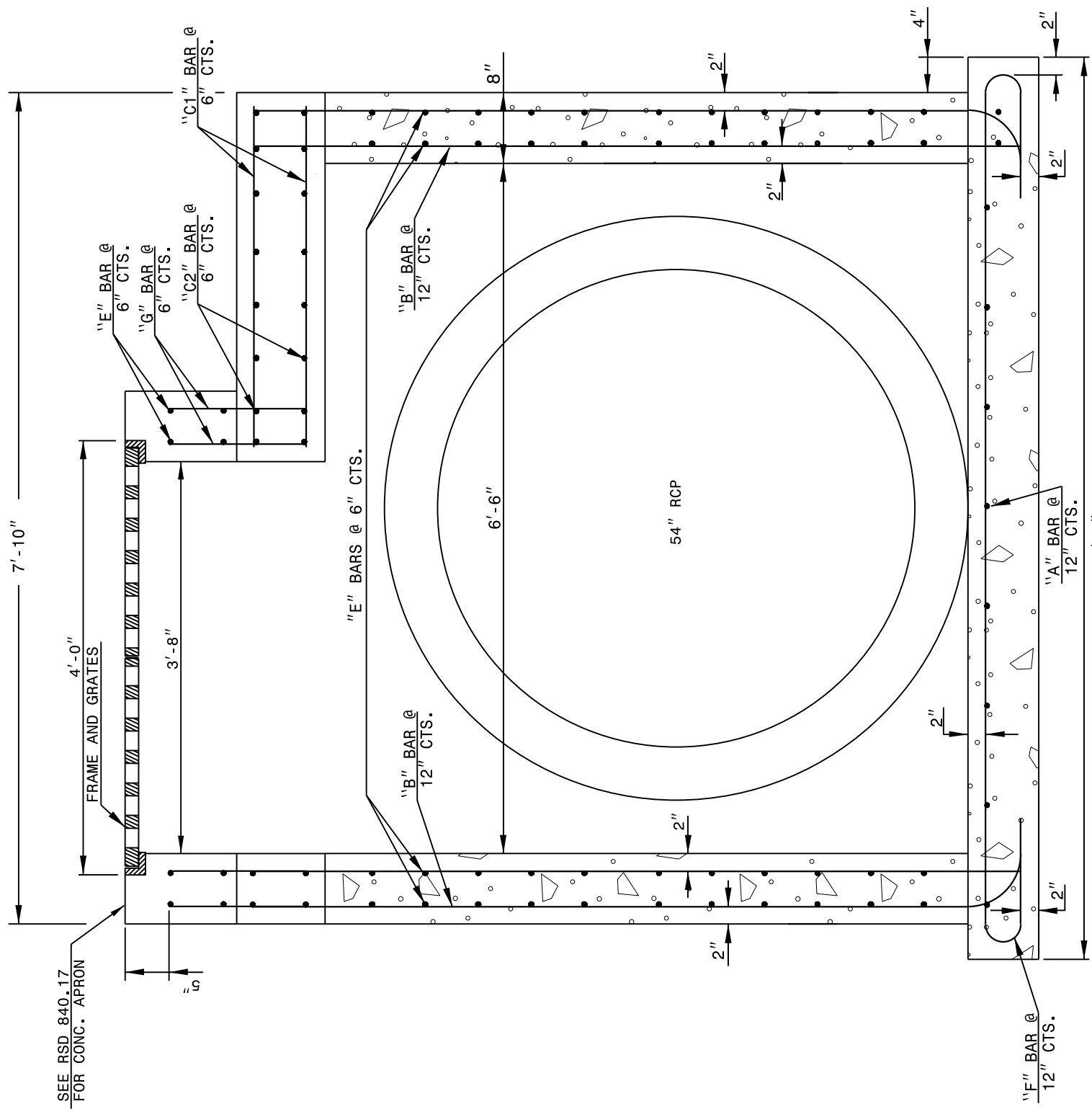
DETAIL OF PIPE HANDRAIL MOUNTED ON A WALL

ORIGINAL BY: E.E. WARD DATE: 12-99
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: jhowerton/handrail_on_retaining_wall.dgn

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

ENGLISH DETAIL DRAWING FOR
TRAFFIC BEARING GRATED INLET
FOR PIPES UP TO 54"

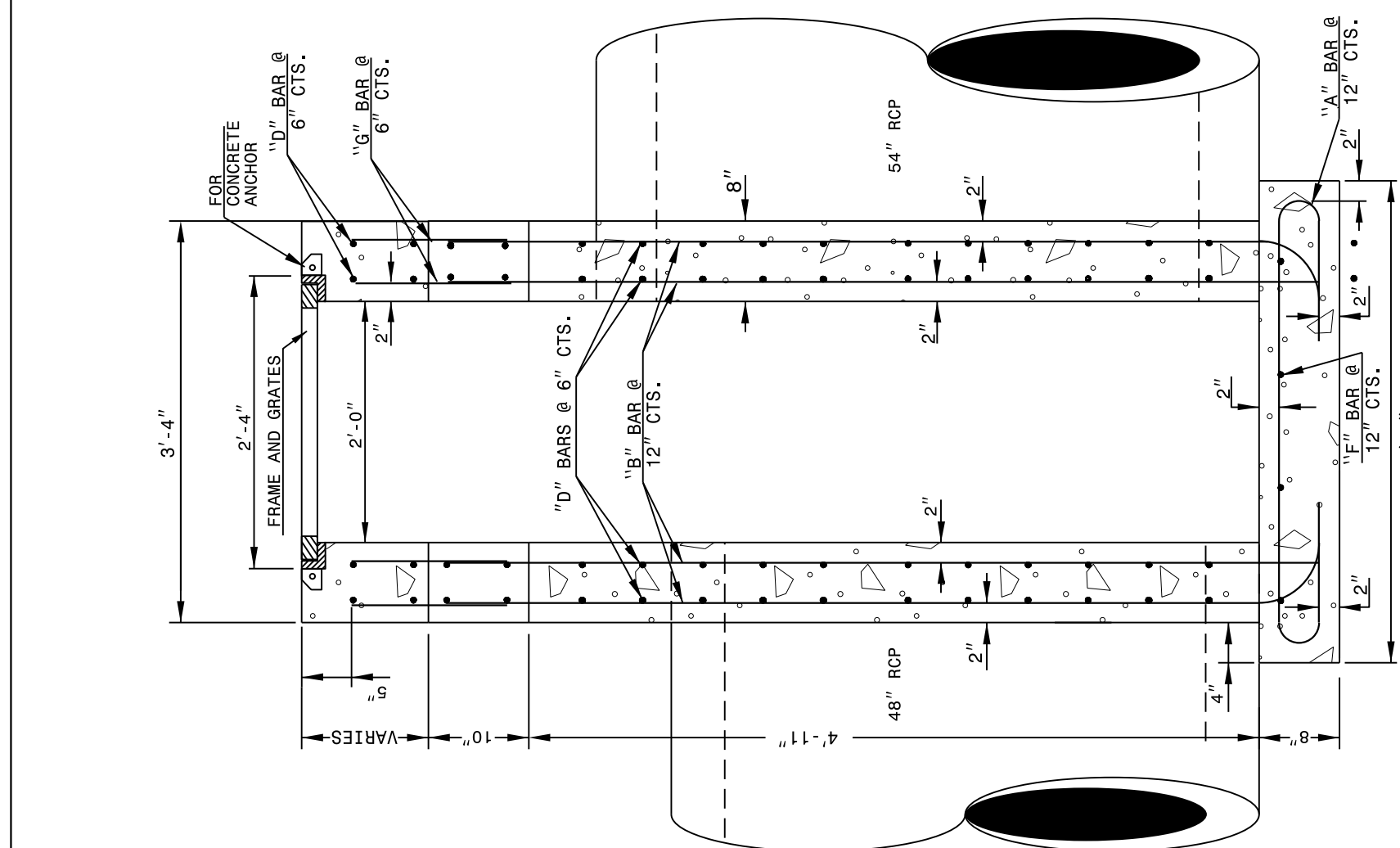
SHEET 1 OF 2
840D35



SECTION X-X

- GENERAL NOTES:
 -BUILD WITH CLASS 'AA' CONCRETE
 -CHAMFER ALL EXPOSED CONCRETE CORNERS 3".
 -USE FORMS TO CONSTRUCT THE BOTTOM SLAB.
 -PIPE ANCHORS IN THE BASE, FOLLOW CONSTRUCTION PRACTICES SHOWN IN THE DRAWING.
 -PRECAST UNITS CONCRETE MAY BE USED IN LIEU CAST IN PLACE CONCRETE.
 -REFERENCE STD. DWG. 840.25 FOR FRAME ANCHORAGE.
 -FRAME AND GRATES ARE SEPARATE CONTRACT ITEM.

- NOTES:
 -HORIZONTAL (UP TO 10' MAX. IN BOTH DIRECTIONS) AND VERTICAL (UP TO 20' MAX.) DIMENSIONS MAY BE ADJUSTED AS THE FIELD CONDITIONS AND/OR ALTERNATE DESIGNS REQUIRE.
 -ALL ADJUSTMENTS ARE TO BE MADE AS DIRECTED BY THE ENGINEER.



SECTION Y-Y

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

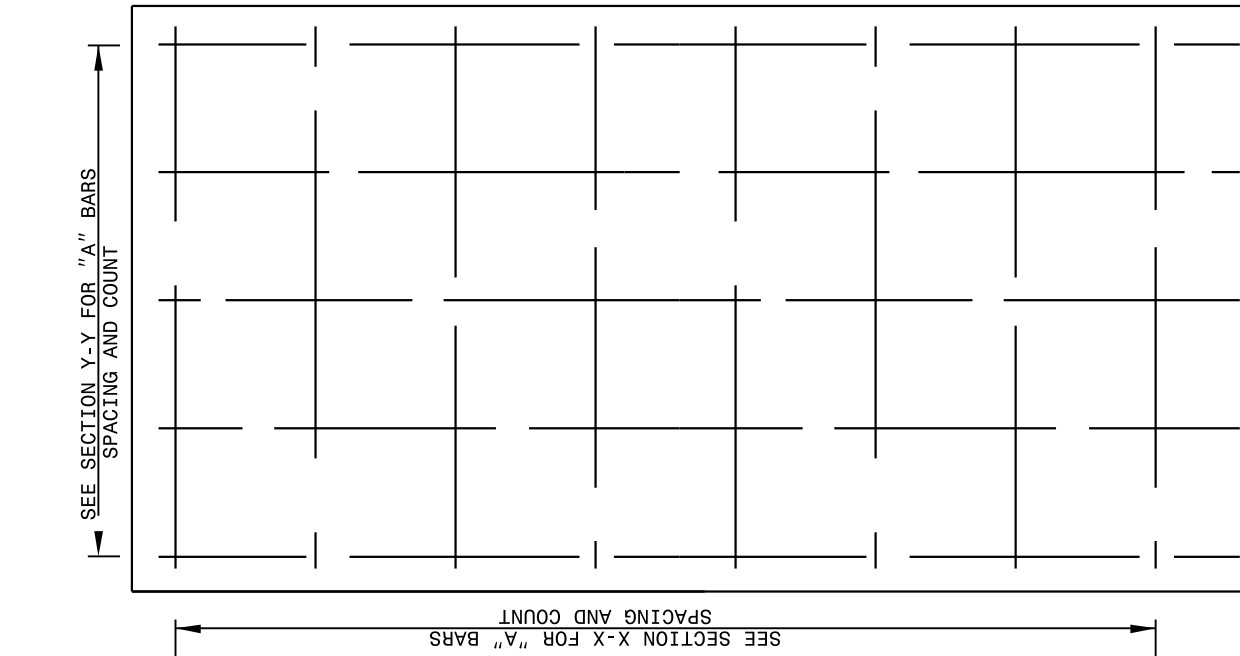
ENGLISH DETAIL DRAWING FOR
TRAFFIC BEARING GRATED INLET
FOR PIPES UP TO 54"

SHEET 1 OF 2
840D35

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

ENGLISH DETAIL DRAWING FOR
TRAFFIC BEARING GRATED INLET
FOR PIPES UP TO 54"

SHEET 2 OF 2
840D35

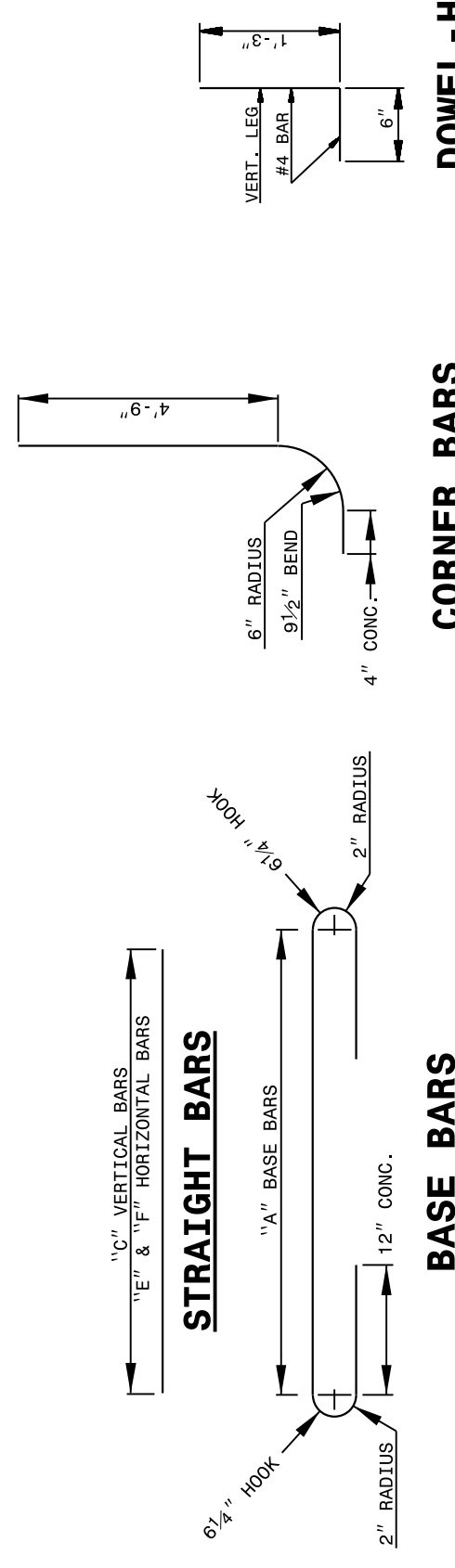


PLAN OF BASE

BILL OF MATERIALS

BAR	SIZE	LENGTH	QUANTITY	WEIGHT
A	#12	5'-0"	42	47
B	#12	7'-6"	104	780
C1	#12	3'-0"	6	32
C2	#12	3'-0"	48	376
D	#12	3'-0"	48	376
E	#12	3'-0"	4	181
F	#12	1'-0"	104	1626
REFIN. STEEL (TOTAL WEIGHT LBS.)				5161
CONCRETE (TOTAL CU. YDS.) CLASS 'AA'				5.1
NO DEDUCTIONS HAVE BEEN MADE TO ACCOMMODATE PIPES				

FOR EVERY 1 FOOT OF RISER USE 0.41 CU. YDS CONCRETE AND 390 LBS STEEL.



DOWEL-H

CORNER BARS

BASE BARS

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

ENGLISH DETAIL DRAWING FOR
TRAFFIC BEARING GRATED INLET
FOR PIPES UP TO 54"

SHEET 2 OF 2
840D35

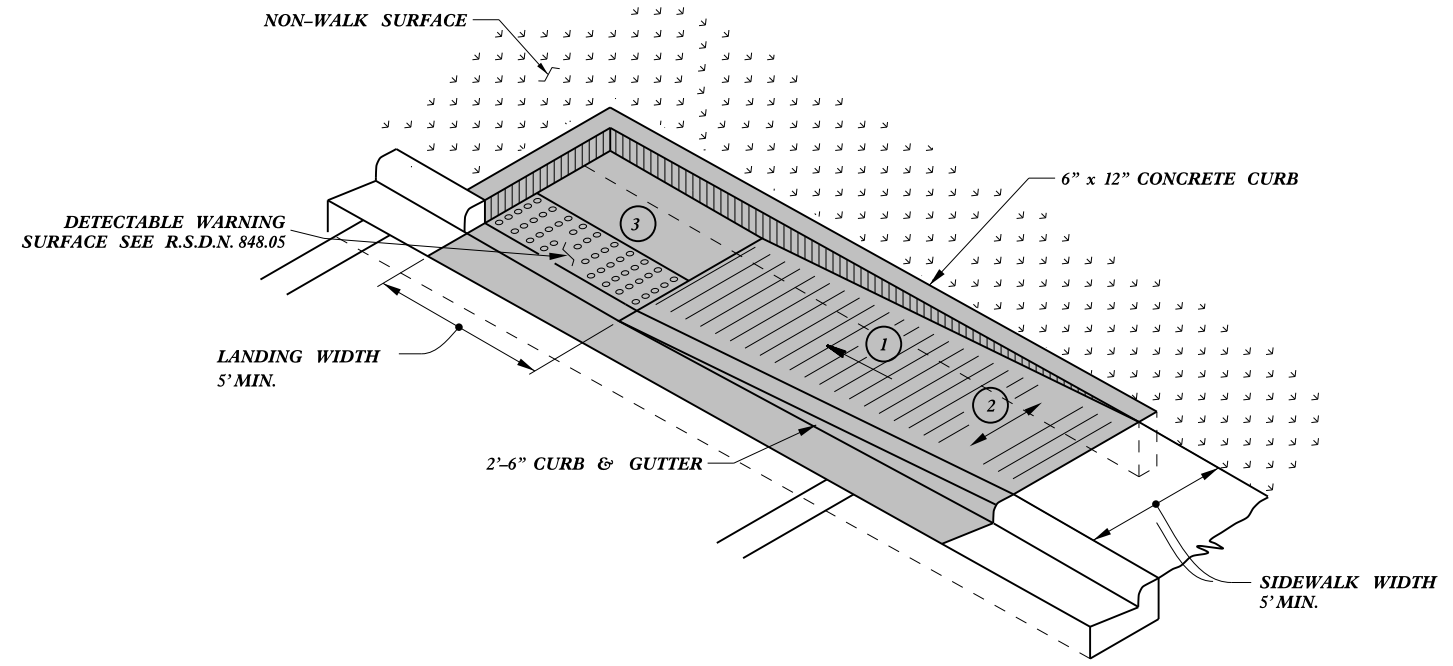


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UNLESS ALL SIGNATURES COMPLETED

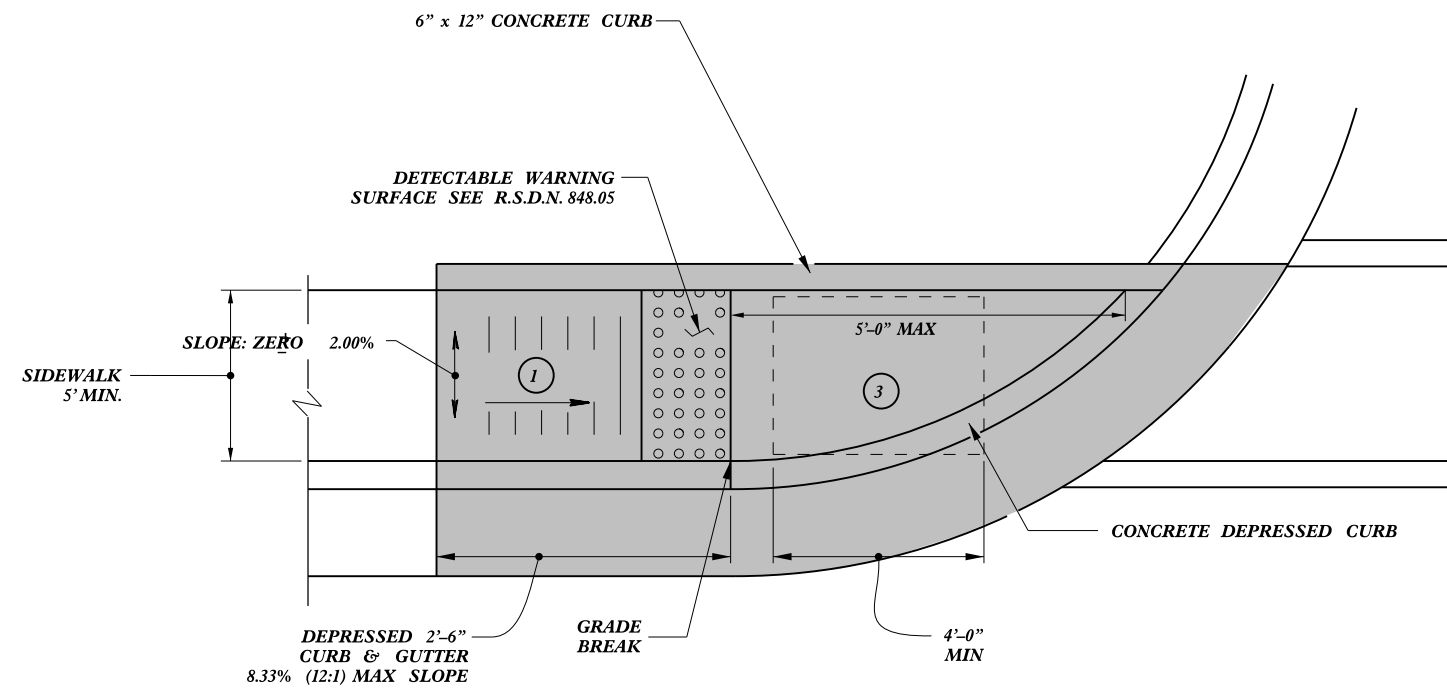
CONTRACT STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

SEE PLATE FOR TITLE

ORIGINAL BY: K. KEMPF DATE: 03-03-2015
 MODIFIED BY: DATE:
 CHECKED BY: DATE:
 FILE SPEC.: jhowerton/840d35 TBDI Up to 54in.dgn



TYPE 1A



TYPE 1

- 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.

PAY LIMITS FOR CURB RAMP

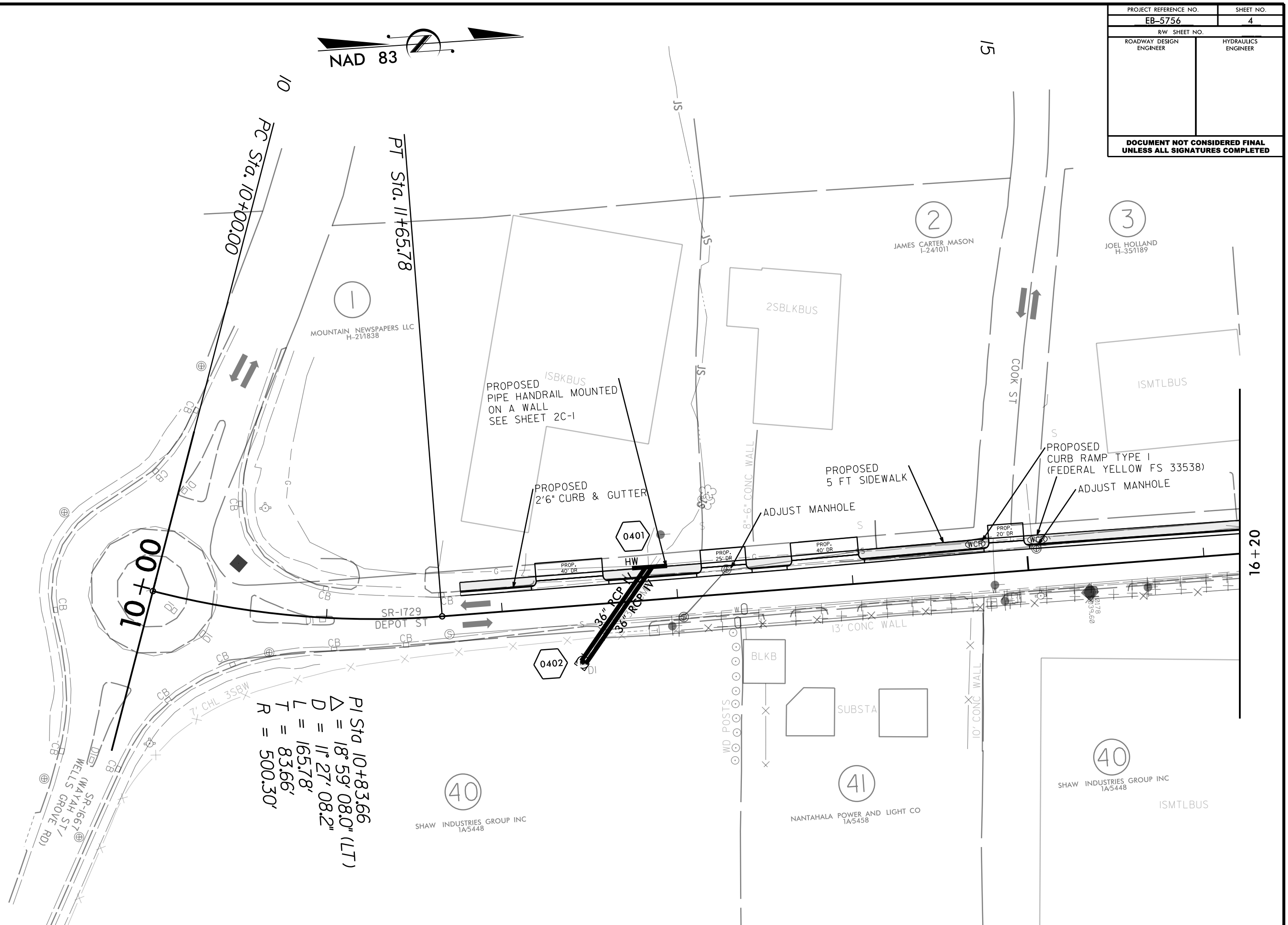
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Office 919-707-6950	FAX 919-250-4119
CURB RAMPS	
Directional Ramps	
ORIGINAL BY: J.S. HOWERTON	DATE: 7/7/11
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC: sstds/2012CurbRamp/CurbRampDetails.dwg	

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

23-MAR-2012 15:05 J:\Contracts\2012\Standard Drawings\2012 Standard Drawings\Curb Ramp Special Details\Curb Ramp Details.dwg J.Howerton AT 15023750

5/14/99

PROJECT REFERENCE NO. EB-5756		SHEET NO. 4
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
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PI Sta 10+83.66
 $\Delta = 18^{\circ} 59' 08.0''$ (LT)
 $D = 11^{\circ} 27' 08.2''$
 $L = 165.78'$
 $T = 83.66'$
 $R = 500.30'$

SR-1667 (MAYAH ST/
 WELLS GROVE RD)

REVISIONS

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8/17/99
30-AUG-2021 13:07
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elbasain AT DIVID-31279



20

PROJECT REFERENCE NO.	SHEET NO.
EB-5756	5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
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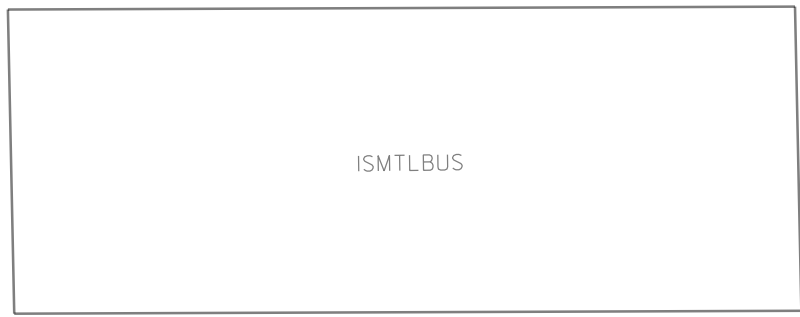
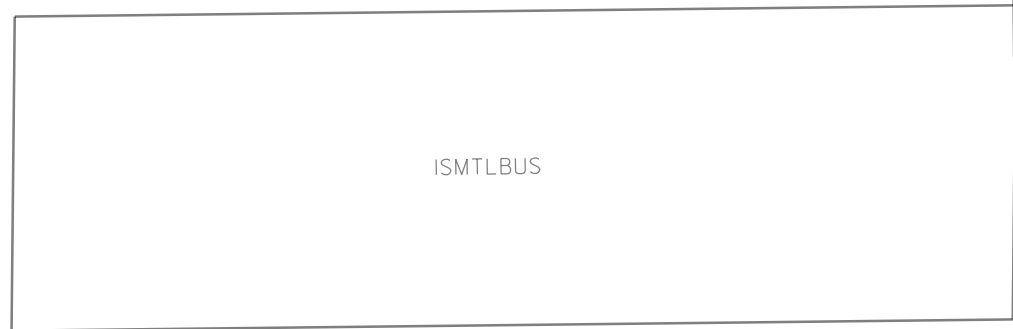
3
JOEL HOLLAND
H-351189

4
HARRY LEE PROPERTIES INC
R-291796

5
HARRY LEE PROPERTIES INC
R-291796

6
BAIRD COVE PROPERTIES LLC
L-361883

7
UNITED STATES POSTAL SERVICE
T-2274



PROPOSED 5' SIDEWALK

ADJUST WATER METER

PROPOSED 2'6" CURB & GUTTER

PROP. 25' DR

PROP. 45' DR

PROP. 52' DR

PROP. 42' DR

PROP. 40' DR

16+13

23+13

$N 0^{\circ} 34' 47.0'' W$

SR-1729
DEPOT ST

40

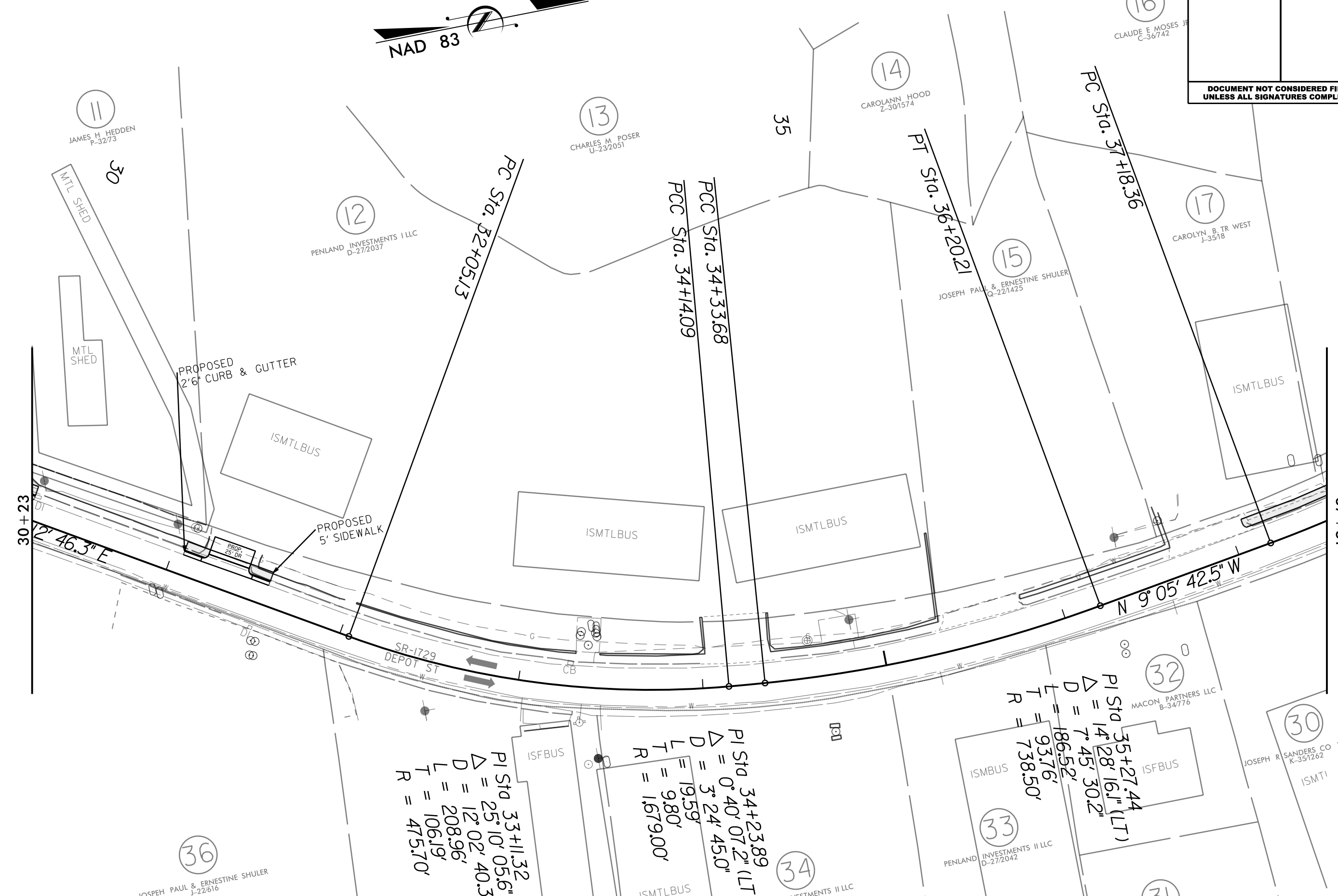
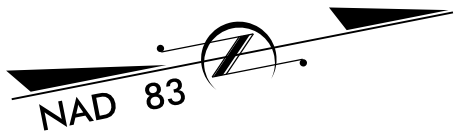
SHAW INDUSTRIES GROUP INC
1A5448

39

ZICKGRAF ENTERPRISES INC
1A5448

REVISIONS

PROJECT REFERENCE NO.		SHEET NO.	
EB-5756		7	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
JAMES H. HEDDEN P-32773		CLAUDE E. MOSES JR. C-36742	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			



11
JAMES H. HEDDEN
P-32773

13
CHARLES M. POSER
U-232051

14
CAROLANN HOOD
Z-301574

16
CLAUDE E. MOSES JR.
C-36742

12
PENLAND INVESTMENTS I LLC
D-272037

17
CAROLYN B. TR. WEST
J-3518

15
JOSEPH PAUL & ERNESTINE SHULER
Q-221425

30
MTL SHED

MTL SHED

PROPOSED
2'6\"/>

ISMTL BUS

PROPOSED
5' SIDEWALK

ISMTL BUS

ISMTL BUS

ISMTL BUS

30+00

2' 46.3\"/>

PROP.
25\"/>

SR-1729
DEPOT ST

37+51

32
MACON PARTNERS LLC
B-34776
PI Sta. 35+27.44
D = 14' 28' 16.1\"/>

30
JOSEPH R. SANDERS CO. TRUSTEE
K-351262
ISMTI

36
JOSEPH PAUL & ERNESTINE SHULER
J-22616
PI Sta. 33+11.32
D = 25' 10' 05.6\"/>

34
PENLAND INVESTMENTS II LLC
D-272042
PI Sta. 34+23.89
D = 0' 40' 07.2\"/>

33
PENLAND INVESTMENTS II LLC
D-272042
L = 186.52'
T = 93.76'
R = 738.50'

ISMBUS

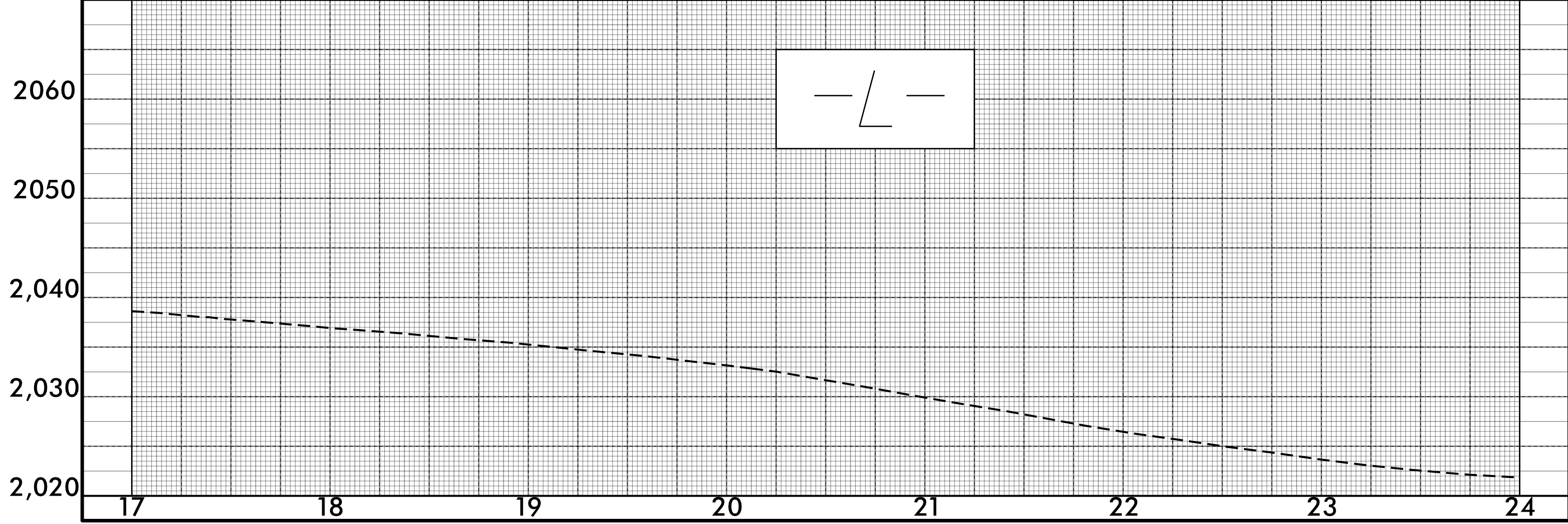
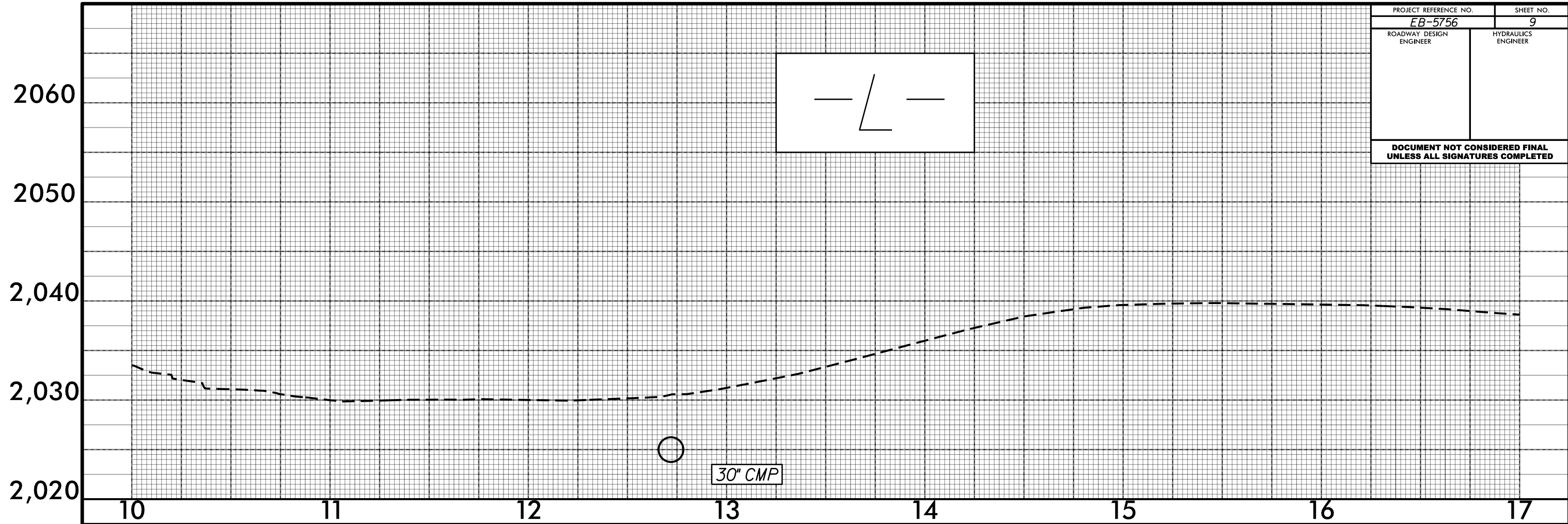
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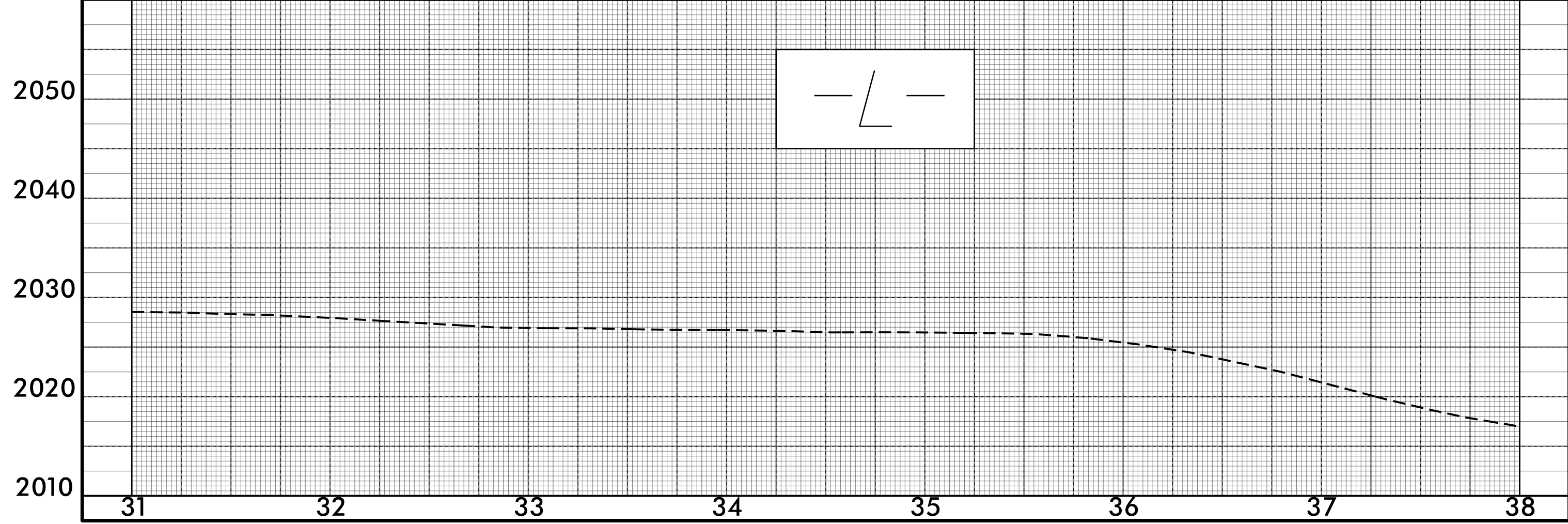
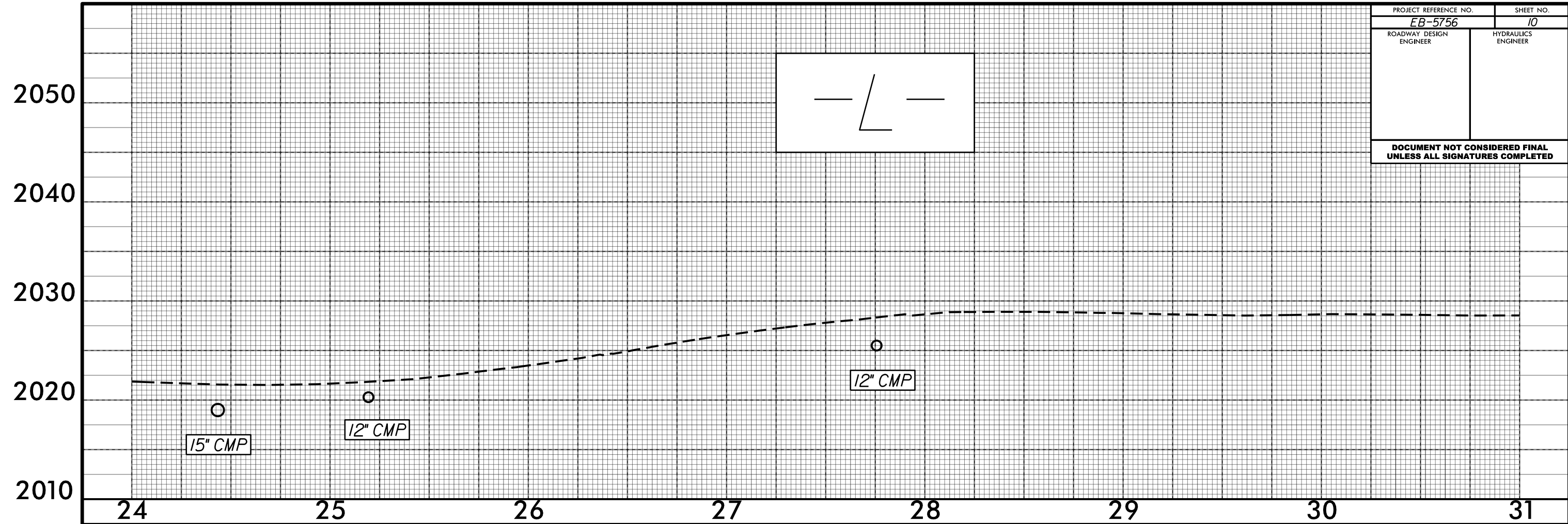
REVISIONS

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SR-1729 DEPOT ST
D:\gdn\Penland\depot17.dgn

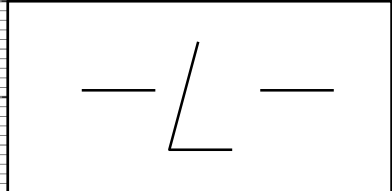
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



PROJECT REFERENCE NO. <i>EB-5756</i>	SHEET NO. <i>10</i>
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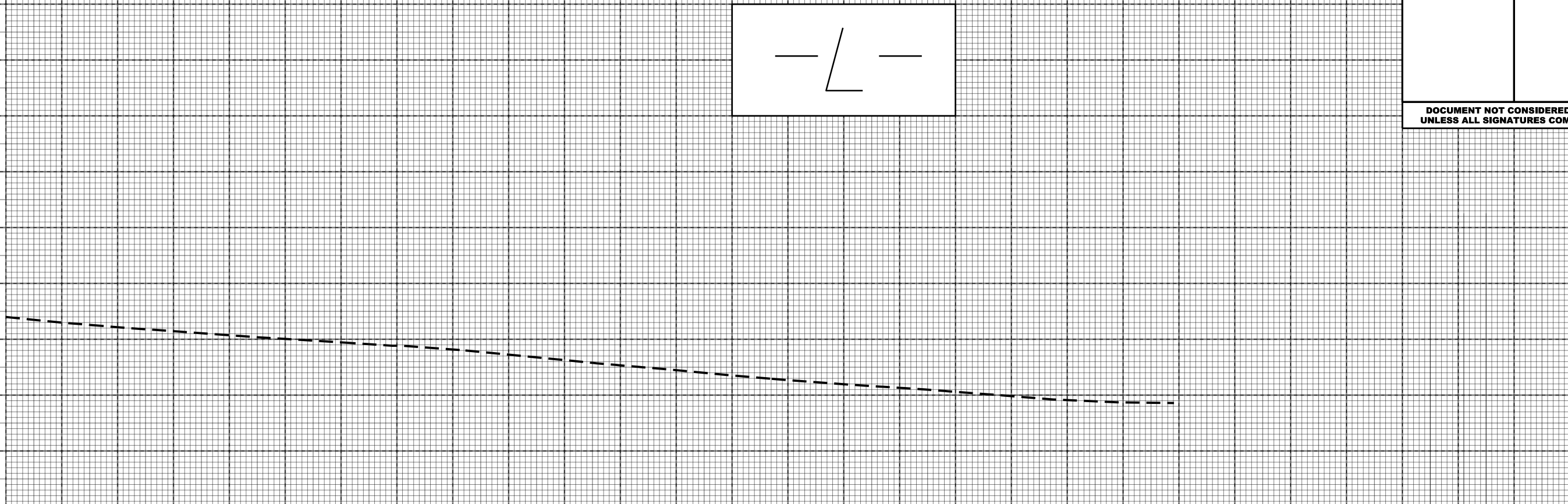


PROJECT REFERENCE NO.	SHEET NO.
<i>EB-5756</i>	<i>II</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



2040
2030
2020
2010
2000

38 39 40 41 42 43



PROJECT: EB-5756

CONTRACT: DNI2002273

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PAVEMENT MARKING PLAN MACON COUNTY

LOCATION: ALONG SR-1729 (DEPOT ST) BEGINNING AT INTERSECTION
WITH SR-1667 (WAYAH STWELLS GROVE RD) AND ENDING
AT INTERSECTION WITH US-44/NC-28 (EAST MAIN ST)

TYPE OF WORK: CURB & GUTTER, SIDEWALK INSTALLATION, DRAINAGE

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	EB-5756	PMP-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50433.3.1	TAP-1729(004)	CONSTRUCTION	

LIST OF ROADWAY STANDARDS

2018 ROADWAY STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" - Highway Design Branch - N.C. Department of Transportation - Raleigh, N.C., dated January 16, 2018 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

STD. NO.	TITLE
DIVISION 12	PAVEMENT MARKINGS, MARKERS AND DELINEATION
1205.01	Pavement Markings - Line Types and Offsets
1205.07	Pavement Markings - Pedestrian Crosswalks

GENERAL NOTES

GENERAL NOTES: 2018 SPECIFICATIONS
EFFECTIVE: 01-16-2018

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

- INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
COOK ST	PAINT	
W DEPOT ST	PAINT	
MILL ST	PAINT	
- TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.

INDEX OF SHEETS

PMP-1	PAVEMENT MARKING PLAN TITLE, INDEX OF SHEETS, LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, GENERAL NOTES, FINAL PAVEMENT MARKING SCHEDULE
PMP-2 THRU PMP-8	PAVEMENT MARKING PLAN

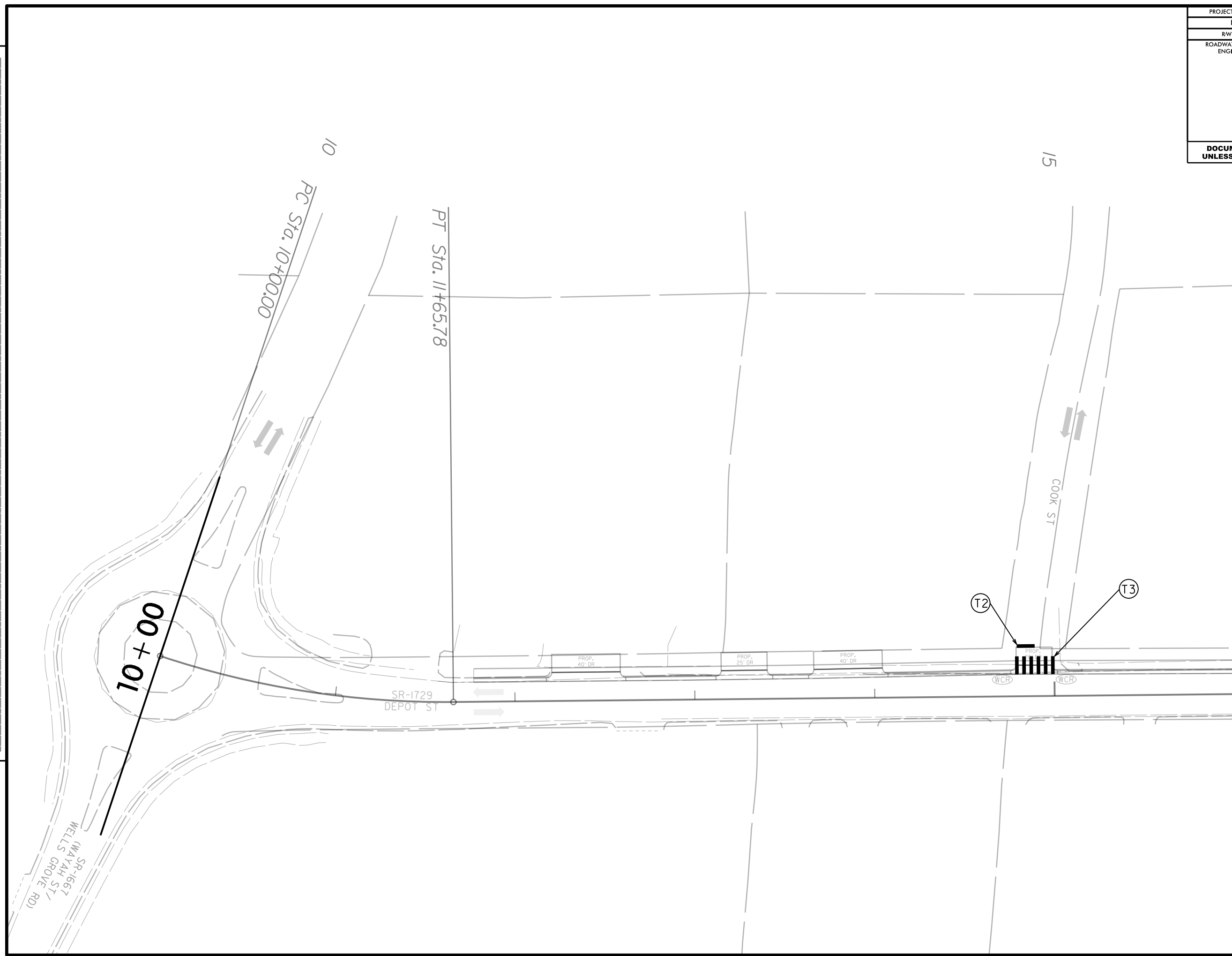
PAVEMENT MARKING SCHEDULE

PAVEMENT MARKINGS

SYMBOL	DESCRIPTION
T2	WHITE STOP BAR
T3	WHITE CROSSWALK LINE

PROJECT REFERENCE NO. EB-5756	SHEET NO. PMP-4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

REVISIONS



16+00

10+00

10

15

SR-1667
WELLS GROVE RD
(WAYAH ST)

SR-1729
DEPOT ST

COOK ST

PROP.
40' DR

PROP.
25' DR

PROP.
40' DR

PROP.
WCB

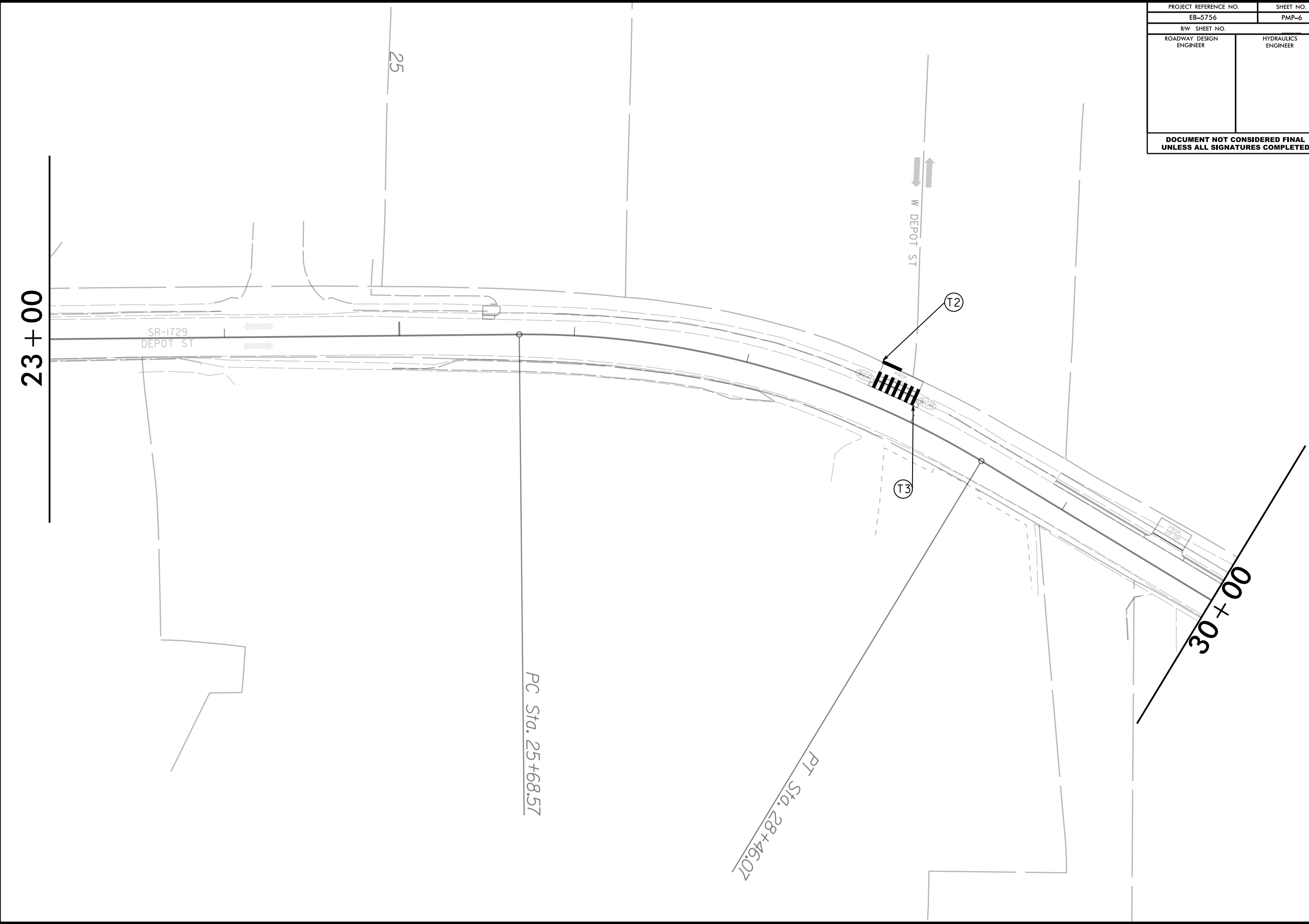
WCB

T2

T3

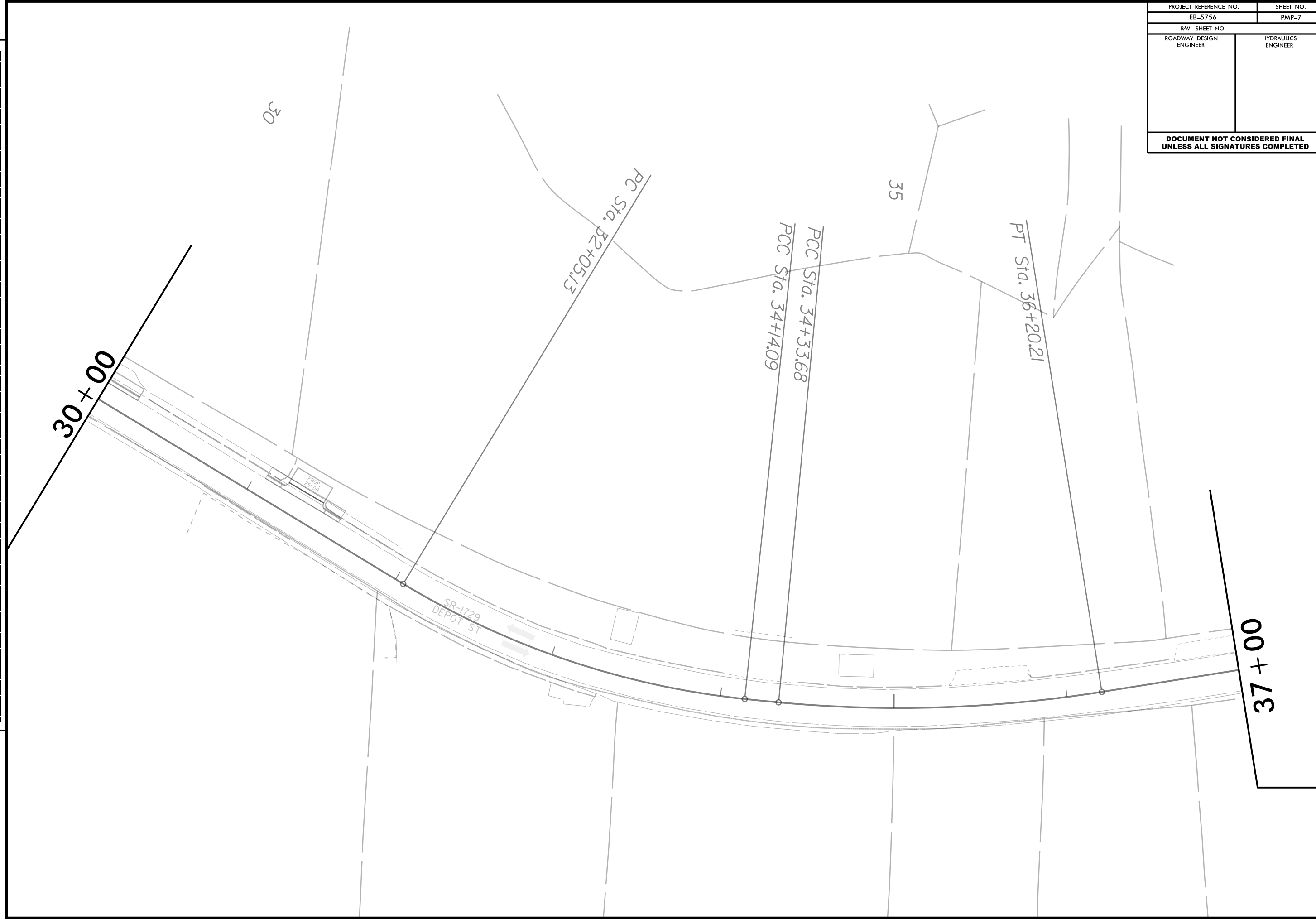
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REVISIONS



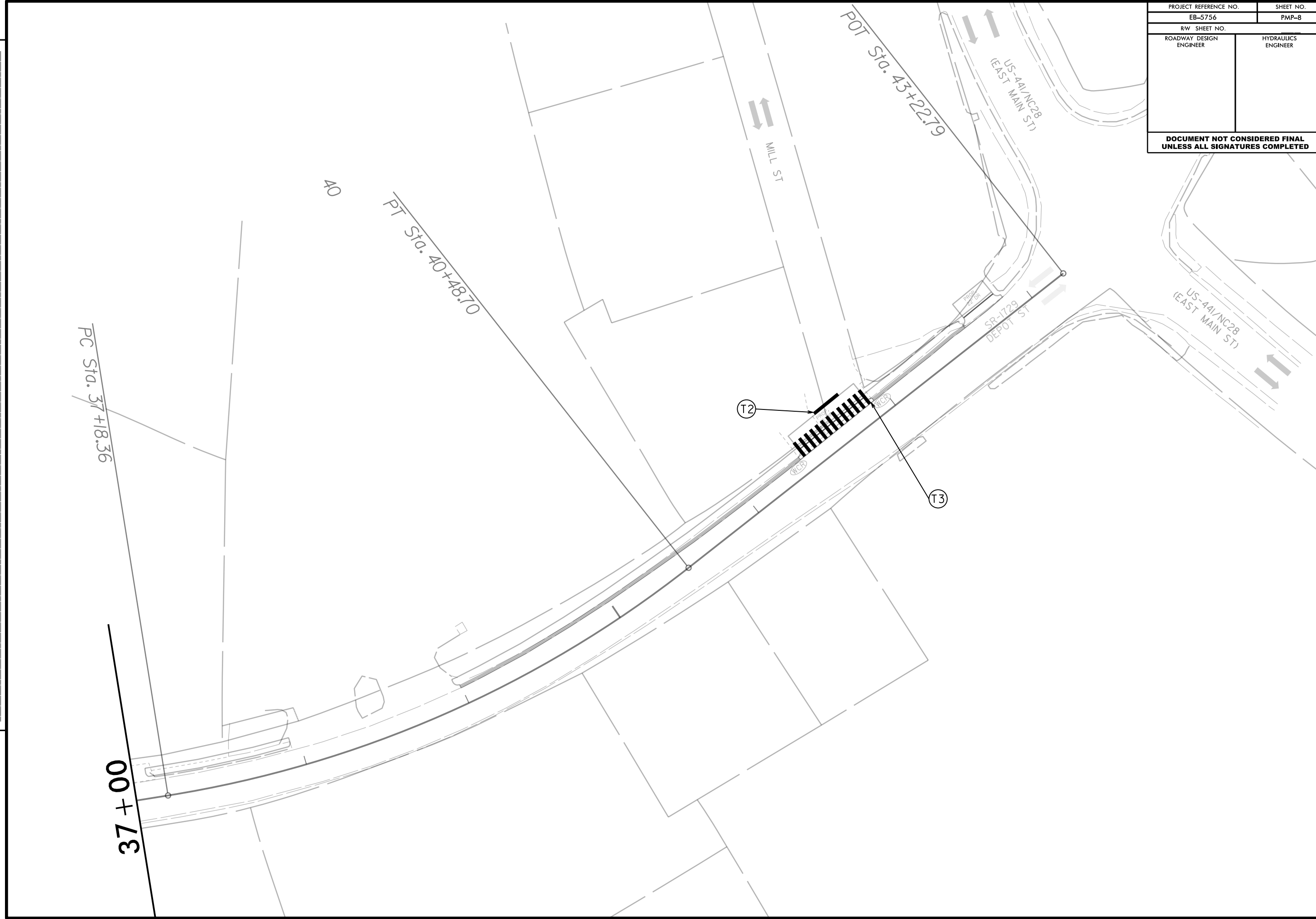
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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

REVISIONS



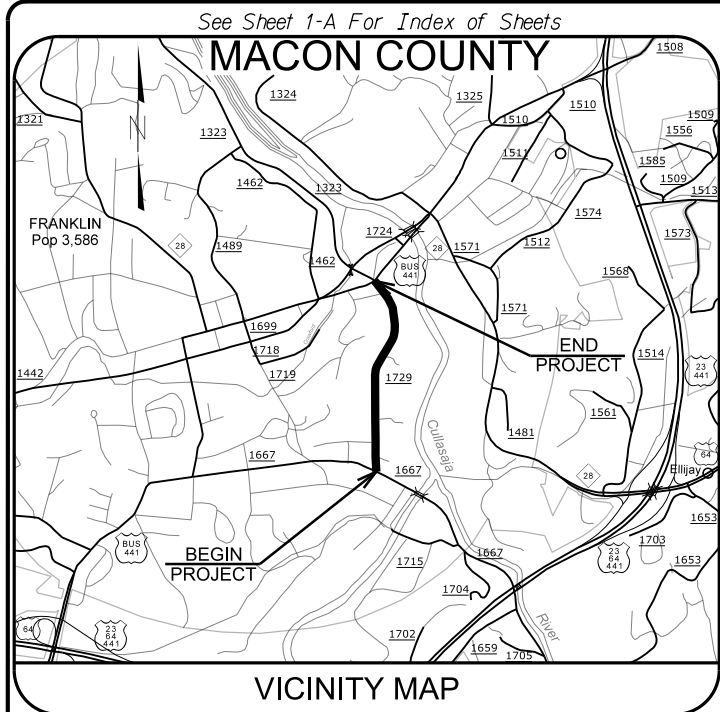
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RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

REVISIONS



PROJECT: EB-5756

CONTRACT: DNI2002273



VICINITY MAP

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 PLAN FOR PROPOSED
 HIGHWAY EROSION CONTROL

MACON COUNTY

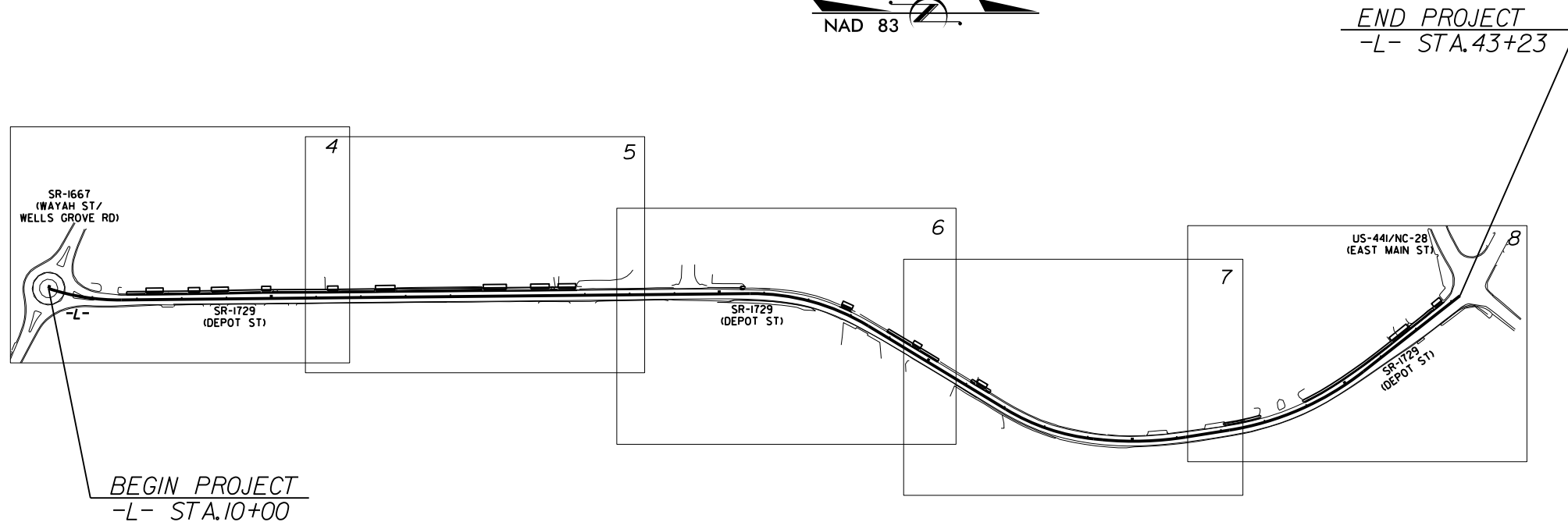
LOCATION: ALONG SR-1729 (DEPOT ST) BEGINNING AT INTERSECTION WITH SR-1667 (WAYAH ST/WELLS GROVE RD) AND ENDING AT INTERSECTION WITH US-44/NC-28 (EAST MAIN ST)

TYPE OF WORK: CURB & GUTTER, SIDEWALK INSTALLATION, DRAINAGE

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	EB-5756	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50433.3.1	TAP-1729(004)	CONSTRUCTION	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
	Streambank Reforestation	
1630.05	Temporary Silt Ditch	
1630.05	Temporary Diversion	
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	
1630.01	Riser Basin	
1630.02	Silt Basin Type B	
1633.01	Temporary Rock Silt Check Type-A	
	Temporary Rock Silt Check Type-B	
	Wattle / Coir Fiber Wattle	
1634.01	Temporary Rock Sediment Dam Type-A	
1634.02	Temporary Rock Sediment Dam Type-B	
1635.01	Rock Pipe Inlet Sediment Trap Type-A	
1635.02	Rock Pipe Inlet Sediment Trap Type-B	
1630.04	Stilling Basin	
	Rock Inlet Sediment Trap:	
1632.01	Type A	
1632.02	Type B	
1632.03	Type C	
	Skimmer Basin	
	Tiered Skimmer Basin	
	Infiltration Basin	



GRAPHIC SCALE



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER QUALITY.

Prepared in the Office of:
DIVISION OF HIGHWAYS
 191 Robbinsville Rd., Andrews NC, 28901

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: ANDY RUSSELL P.E.
 PROJECT ENGINEER

LETTING DATE: ANDY RUSSELL P.E.
 PROJECT DESIGN ENGINEER

Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2018 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1604.01 Railroad Erosion Control Detail	1632.01 Rock Inlet Sediment Trap Type A
1605.01 Temporary Silt Fence	1632.02 Rock Inlet Sediment Trap Type J
1606.01 Special Sediment Control Fence	1632.03 Rock Inlet Sediment Trap Type C
1607.01 Gravel Construction Entrance	1633.01 Temporary Rock Silt Check Type A
1622.01 Temporary Berms and Slope Drains	1633.02 Temporary Rock Silt Check Type J
1630.01 Riser Basin	1634.01 Temporary Rock Sediment Dam Type A
1630.02 Silt Basin Type J	1634.02 Temporary Rock Sediment Dam Type J
1630.03 Temporary Silt Ditch	1635.01 Rock Pipe Inlet Sediment Trap Type A
1630.04 Stilling Basin	1635.02 Rock Pipe Inlet Sediment Trap Type J
1630.05 Temporary Diversion	1640.01 Coir Fiber Jaffle
1630.06 Special Stilling Basin	1645.01 Temporary Stream Crossing
1631.01 Matting Installation	

ANDY RUSSELL P.E.
 LEVEL IIIA NAME

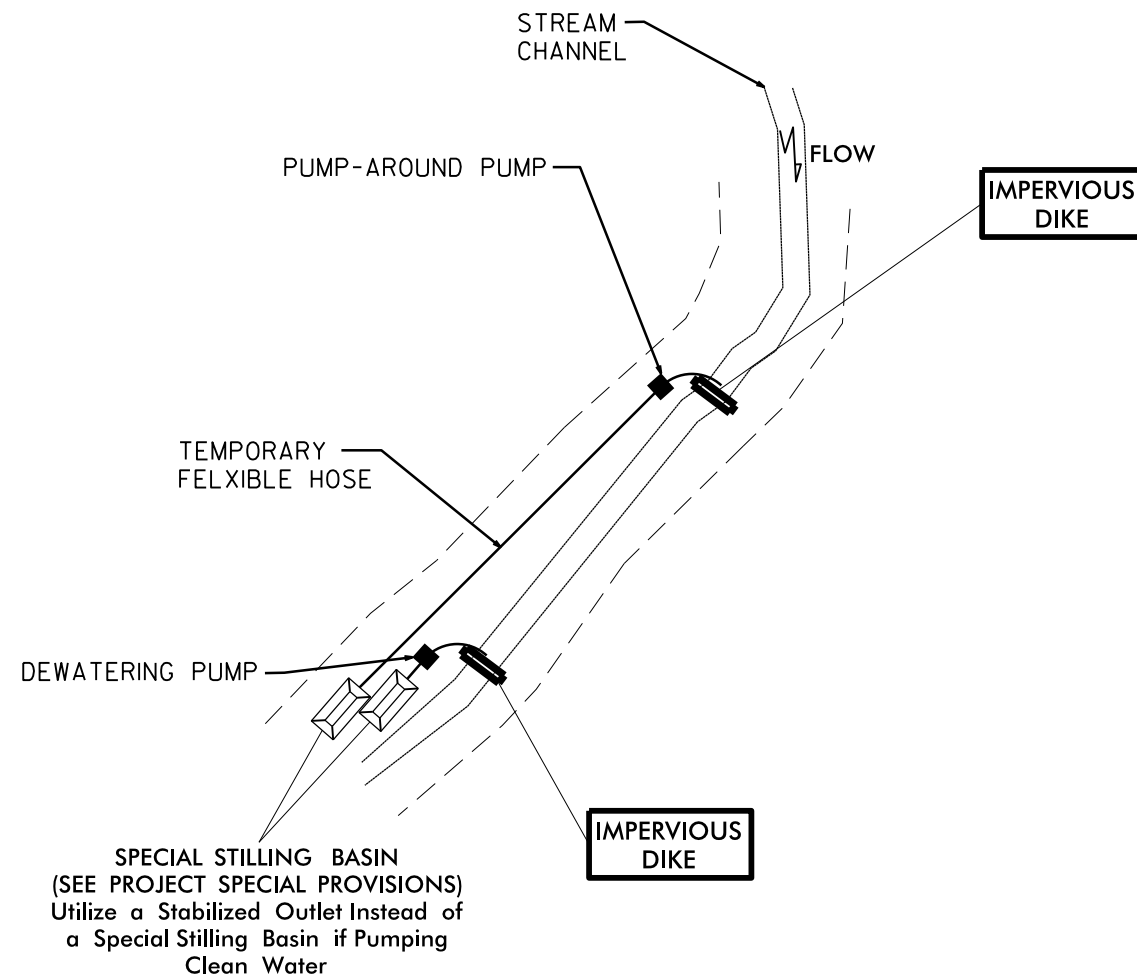
3234
 LEVEL IIIA CERTIFICATION NO.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HOW ZONES.

EXAMPLE OF PUMP-AROUND OPERATION



NOTES:

1. All excavation shall be performed in only dry or isolated sections of channel.
2. Impervious dikes are to be used to isolate work from stream flow when necessary.
3. All graded areas shall be stabilized within 72 hours.
4. Maintenance of stream flow operations shall be incidental to the work. This includes polyethylene sheeting, diversion pipes, pumps and hoses.
5. Pumps and hoses shall be of sufficient size to dewater the work area.

SEQUENCE OF CONSTRUCTION FOR TYPICAL WORK AREA:

1. Install special stilling basin(s).
2. Install upstream pump and temporary flexible hose.
3. Place upstream impervious dike and begin pumping operations for stream diversion.
4. Place downstream impervious dike and pumping apparatus. Dewater entrapped area. Area to be dewatered shall be equal to one days work.
5. Excavate any accumulated silt and dewater before removal of impervious dikes. Remove impervious dikes, pumps, and temporary flexible hose. (Downstream impervious dikes first.)
6. All grading and stabilization must be completed in three days within the pump around areas between the impervious dikes. The impervious dike locations as shown on this sheet only show the upper and lower extent of work for each stream segment. The contractor is responsible for determining the location of the impervious dike(s) for each days work.
7. Remove special stilling basin(s) and backfill. Stabilize disturbed area with seed and mulch.

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 REVISIONS
 16+20

Place Matting for Erosion Control on Slope as Work Allows.

Impervious Dike:

The work covered by this section consists of furnishing, installing, maintaining, and removing an impervious dike for the purpose of diverting normal stream flow around the construction site. The Contractor shall construct an impervious dike in such a manner approved by the Engineer. The impervious dike shall not permit seepage of water into the construction site or contribute to siltation of the stream. The impervious dike shall be constructed of an acceptable material in the locations noted on the plans or as directed by the Engineer.

Acceptable materials shall include but not be limited to sheet piles, sandbags, and/or the placement of an acceptable size stone lined with polypropylene or other impervious fabric.

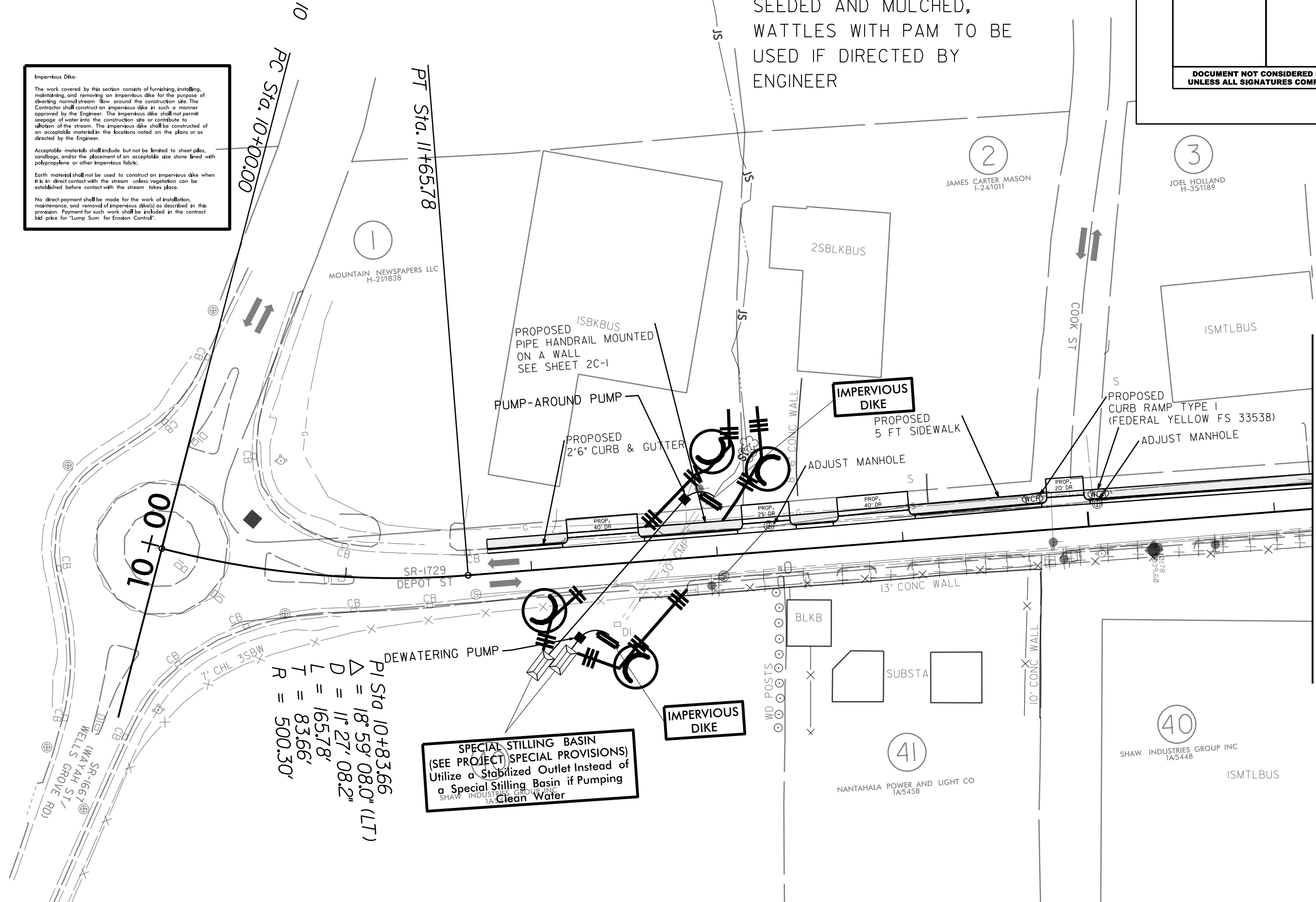
Earth material shall not be used to construct an impervious dike when it is in direct contact with the stream unless vegetation can be established before contact with the stream takes place.

No direct payment shall be made for the work of installation, maintenance, and removal of impervious dike(s) as described in this provision. Payment for such work shall be included in the contract bid price for "Lump Sum for Erosion Control".



****NOTE: ALL EXPOSED AREAS AND SLOPES WILL BE SEEDED AND MULCHED, WATTLES WITH PAM TO BE USED IF DIRECTED BY ENGINEER**

PROJECT REFERENCE NO. EB-5756	SHEET NO. EC-4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



SPECIAL STILLING BASIN (SEE PROJECT SPECIAL PROVISIONS)
 Utilize a Stabilized Outlet Instead of a Special Stilling Basin if Pumping Clean Water

$P1 \text{ Sta } 10+83.66$
 $\Delta = 18.59' 08.0" \text{ (LT)}$
 $D = 11' 27.082"$
 $L = 165.78'$
 $T = 83.66'$
 $R = 500.30'$

SR-1667
 WELLS GROVE RD
 SR-1667
 WELLS GROVE RD
 SR-1667
 WELLS GROVE RD

SR-1729
DEPOT ST

PC Sta. 10+00.00

PT Sta. 11+65.78

16+20

MOUNTAIN NEWSPAPERS LLC
H-211838

2
JAMES CARTER MASON
I-241011

3
JOEL HOLLAND
H-351189

2SBLKBUS

ISMTLBUS

BLKB
SUBSTA

41
NANTAHALA POWER AND LIGHT CO
1A5458

40
SHAW INDUSTRIES GROUP INC
1A5448
ISMTLBUS

PROPOSED ISBKBUS
PIPE HANDRAIL MOUNTED
ON A WALL
SEE SHEET 2C-1

PUMP-AROUND PUMP

PROPOSED
2'6" CURB & GUTTER

IMPERVIOUS
DIKE

PROPOSED
5 FT SIDEWALK

ADJUST MANHOLE

PROPOSED
CURB RAMP TYPE I
(FEDERAL YELLOW FS 33538)

ADJUST MANHOLE

DEWATERING PUMP

IMPERVIOUS
DIKE

13' CONC WALL

10' CONC WALL

WD POSTS

COOK ST

DEPOT ST

WELLS GROVE RD

WELLS GROVE RD

WELLS GROVE RD

WELLS GROVE RD

WELLS GROVE RD

WELLS GROVE RD

WELLS GROVE RD

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****NOTE: ALL EXPOSED AREAS AND SLOPES WILL BE SEEDED AND MULCHED, WATTLES WITH PAM TO BE USED IF DIRECTED BY ENGINEER**

Place Matting for Erosion Control on Slope as Work Allows.

PROJECT REFERENCE NO. EB-5756	SHEET NO. EC-5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

ISBKBUS

3
IOEL HILLAND
35/1189

4

HARRY LEE PROPERTIES INC
R-29/1796

5

HARRY LEE PROPERTIES INC
R-29/1796

6

BAIRD COVE PROPERTIES LLC
L-36/1883

7

UNITED STATES POSTAL SERVICE
T-22/74

PROPOSED 5' SIDEWALK

ADJUST WATER METER

PROPOSED 2'6" CURB & GUTTER

PROP. 25' DR

PROP. 45' DR

PROP. 52' DR

PROP. 42' DR

PROP. 40' DR

16+13

$N 0^{\circ} 34' 47.0'' W$

SR-1729
DEPOT ST

23+13

40

SHAW INDUSTRIES GROUP INC
1A/5448

39

ZICKGRAF ENTERPRISES INC
1A/5448

ISMTLBUS

ISMTLBUS

ISMTLBUS

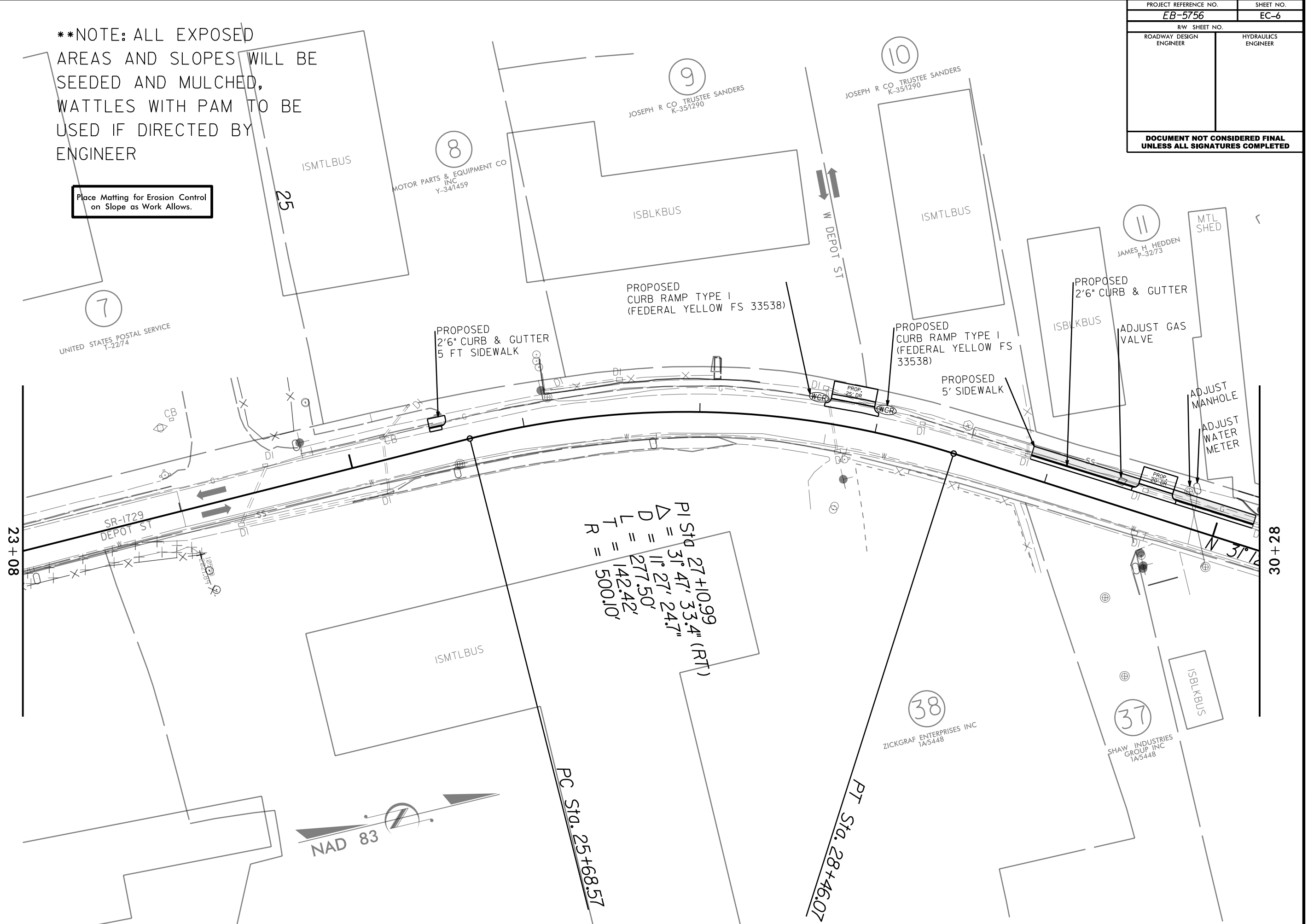
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REVISIONS

****NOTE: ALL EXPOSED AREAS AND SLOPES WILL BE SEEDED AND MULCHED, WATTLES WITH PAM TO BE USED IF DIRECTED BY ENGINEER**

Place Matting for Erosion Control on Slope as Work Allows.

PROJECT REFERENCE NO. EB-5756	SHEET NO. EC-6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



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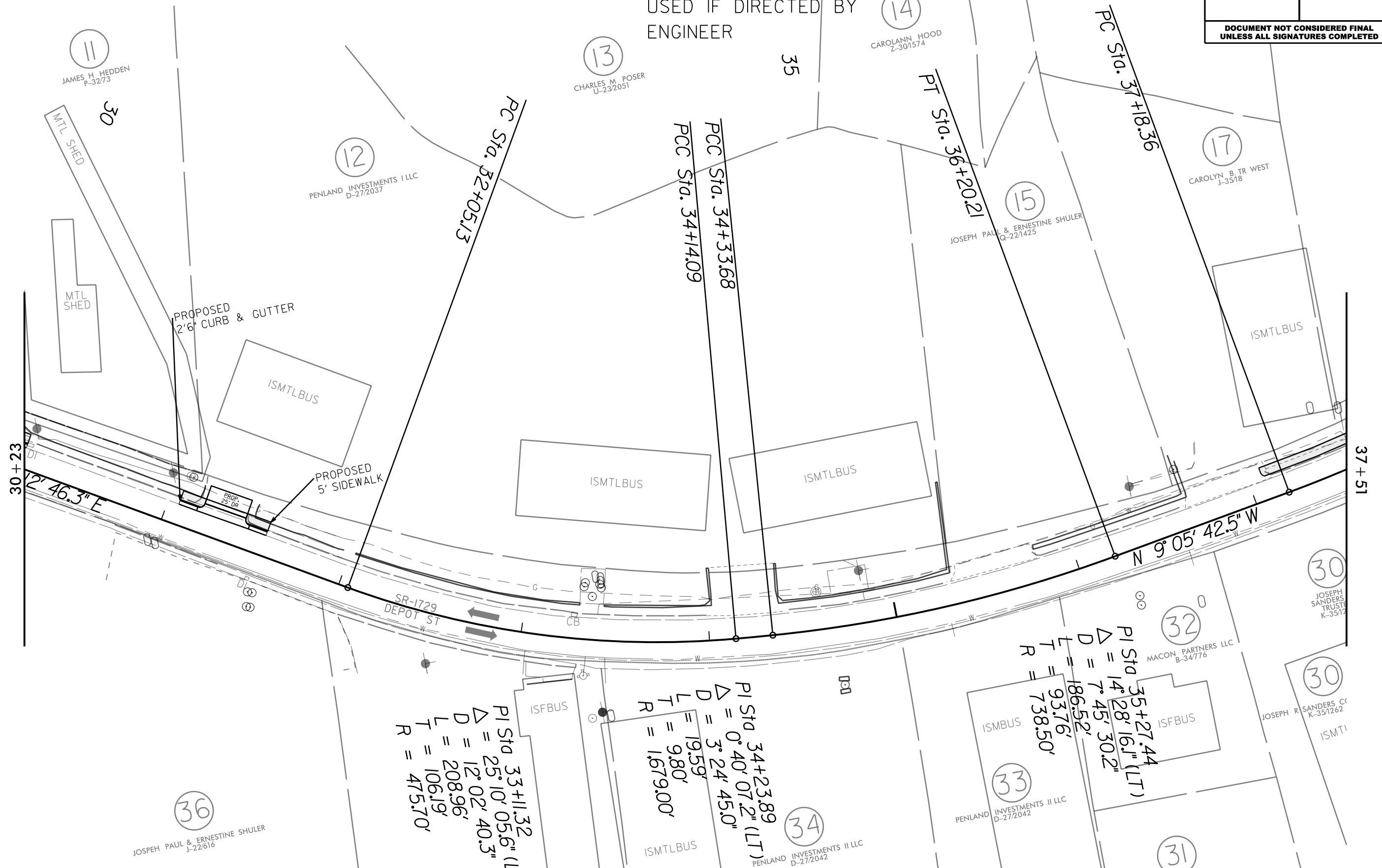
REVISIONS

Place Matting for Erosion Control
on Slope as Work Allows.



****NOTE: ALL EXPOSED
AREAS AND SLOPES WILL BE
SEEDED AND MULCHED.
WATTLES WITH PAM TO BE
USED IF DIRECTED BY
ENGINEER**

PROJECT REFERENCE NO. EB-5756	SHEET NO. EC-7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



11
JAMES H. HEDDEN
P-32773

30

MTL SHED

MTL SHED

PROPOSED
2'6" CURB & GUTTER

ISMTL BUS

PROPOSED
5' SIDEWALK

12
PENLAND INVESTMENTS II LLC
D-272037

PC Sta. 32+05.13

13
CHARLES M. POSER
U-232051

PCC Sta. 34+33.68
PCC Sta. 34+14.09

35

14
CAROLANN HOOD
Z-301574

PT Sta. 36+20.21

15
JOSEPH PAUL & ERNESTINE SHULER
Q-221425

PC Sta. 37+18.36

17
CAROLYN B. TR. WEST
J-3518

ISMTL BUS

37+51

36
JOSEPH PAUL & ERNESTINE SHULER
J-22/616

PI Sta. 34+23.89
 $\Delta = 0.40' 07.2" (LT)$
D = 3.24' 45.0"
L = 19.59'
T = 9.80'
R = 1,679.00'

34
PENLAND INVESTMENTS II LLC
D-272042

33
PENLAND INVESTMENTS II LLC
D-272042

ISMBUS
ISFBUS

32
MACON PARTNERS LLC
B-34776

ISFBUS

31

30
JOSEPH R. SANDERS, CT
K-351262

ISMTI

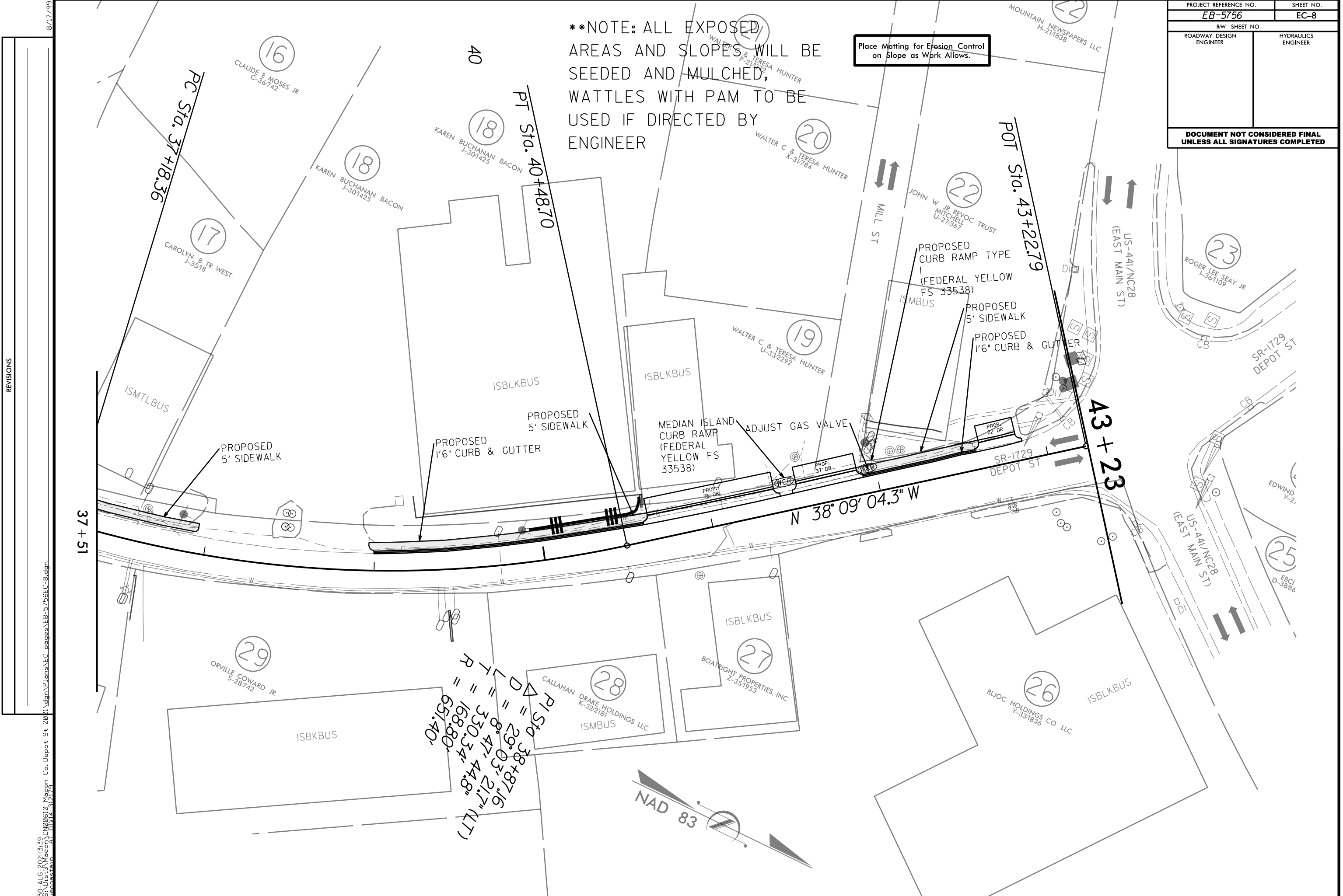
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JOSEPH SANDERS TRUST
K-351262

16
CLAUDE E. MOSES JR.
C-36742

PROJECT REFERENCE NO. EB-5756	SHEET NO. EC-8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

****NOTE: ALL EXPOSED AREAS AND SLOPES WILL BE SEEDED AND MULCHED, WATTLES WITH PAM TO BE USED IF DIRECTED BY ENGINEER**

Place Matting for Erosion Control on Slope as Work Allows.



37 + 51

PC Sta. 37 + 18.36

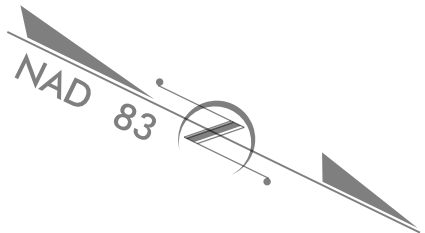
PT Sta. 40 + 48.70

POT Sta. 43 + 22.79

43 + 23

N 38° 09' 04.3" W

$P1$
 $\Delta = 29.03'$
 $L = 8.47'$
 $D = 330.34'$
 $R = 168.80'$
 $R = 657.40'$
 (LT)



REVISIONS

8/17/99
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