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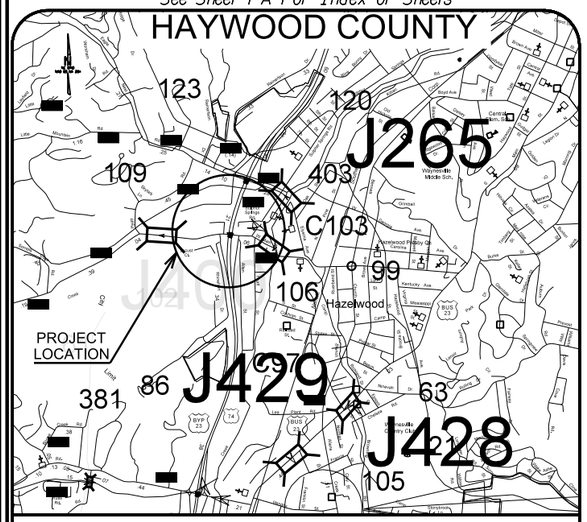
TIP: EB-5859

CONTRACT: DN00690

See Sheet 1-A For Index of Sheets



VICINITY MAP

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

HAYWOOD COUNTY

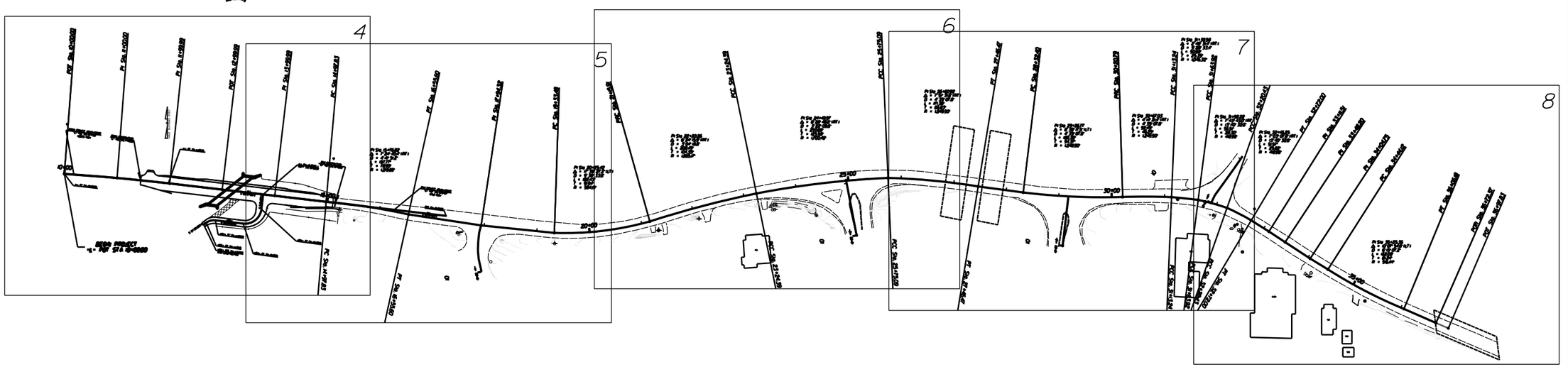
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	WBS: 47315.3.1	1	29

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
47315.3.1	TAP-1422(016)	CONSTRUCTION
17BP.14.R.128		CONSTRUCTION

LOCATION: ALONG NC SR-1173 PLOTT CREEK RD. AND HAZELWOOD AVE

TYPE OF WORK: SIDEWALK, CURB AND GUTTER AND DRAINAGE

N
NC GRID
NAD 83 NA 2011



GRAPHIC SCALES

25 12.5 0 25 50
PLANS

10 5 0 10 20
PROFILE (HORIZONTAL)

10 5 0 10 20
PROFILE (VERTICAL)

PROJECT LENGTH

0.51 MILES

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

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
N/A

LETTING DATE:
07/24/18

CHRIS LEE, P.E.
PROJECT ENGINEER

DocuSigned by:
ALAN R BROWN
PROJECT DESIGN ENGINEER
D64FE019B5DF4A6...

STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION ·

PROJECT REFERENCE NO.	SHEET NO.
WBS: 47315.3.1	1A

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

INDEX OF SHEETS

GENERAL NOTES

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

1 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.

2 THE CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY.

UTILITY OWNERS:

- ATT/D (DISTRIBUTION)
- BALSAM WEST FIBER NET
- DUKE ENERGY
- SCOUT COMMUNICATIONS
- SEGRA (FORMERLY SPIRIT)
- CHARTER
- USIC LOCATING SERVICES, INC.
- WTR/SWR/STR DRAIN ONLY LOCATE
- DOMINION ENERGY
- TOWN OF WAYNESVILLE

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 7 - CONCRETE PAVEMENTS AND SHOULDERS	
700.05	Tying Proposed Pavement to Existing Pavement
DIVISION 8 - INCIDENTALS	
840.01	Brick Catch Basin - 12" thru 54" Pipe
840.03	Frame, Grates and Hood - for Use on Standard Catch Basin
840.05	Brick Open Throat Catch Basin - 12" thru 48" Pipe
846.01	Concrete Curb, Gutter and Curb & Gutter
848.01	Concrete Sidewalk
848.02	Driveway Turnout - Radius Type
848.05	Curb Ramp - Proposed Curb and Gutter
876.02	Guide for Rip Rap at Pipe Outlets
DIVISION 11 - WORK ZONE TRAFFIC CONTROL	
1101.01	Detail Drawing for Two Way Divided Work Zone Warning Signs
1101.04	Temporary Shoulder Closures
DIVISION 12 - PAVEMENT MARKINGS, MARKERS AND DELINEATION	
1205.01	Pavement Markings - Line Types and Offsets
1205.07	Pavement Markings - Pedestrian Crosswalks
DIVISION 16 - EROSION CONTROL AND ROADSIDE DEVELOPEMENT	
1605.01	Temporary Silt Fence
1606.01	Special Sediment Control Fence
1631.01	Matting Installation
1632.03	Rock Inlet Sediment Trap Type 'C'

04/16/11

PROJECT REFERENCE NO.	SHEET NO.
WBS: 47315.3.1	2

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 — EIP
- Property Corner
- Property Monument — ECM
- Parcel/Sequence Number — 123
- Existing Fence Line
- 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 — S
- Well — W
- 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 — FLOW
- False Sump

RAILROADS:

- Standard Gauge — CSX TRANSPORTATION
- RR Signal Milepost — MILEPOST 35
- Switch — 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 — RW
- Proposed Right of Way Line with Iron Pin and Cap Marker — RW
- Proposed Right of Way Line with Concrete or Granite R/W Marker — RW
- Proposed Control of Access Line with Concrete C/A Marker — CA
- Existing Control of Access — CA
- Proposed Control of Access — CA
- 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

VEGETATION:

- Single Tree
- Single Shrub
- Hedge
- Woods Line
- Orchard
- Vineyard — Vineyard

EXISTING STRUCTURES:

MAJOR:

- Bridge, Tunnel or Box Culvert — CONC
- Bridge Wing Wall, Head Wall and End Wall — CONC WW

MINOR:

- Head and End Wall — CONC HW
- Pipe Culvert
- Footbridge
- Drainage Box: Catch Basin, DI or JB — CB
- Paved Ditch Gutter
- Storm Sewer Manhole — S
- Storm Sewer — S

UTILITIES:

POWER:

- Existing Power Pole
- Proposed Power Pole
- Existing Joint Use Pole
- Proposed Joint Use Pole
- Power Manhole — P
- Power Line Tower
- Power Transformer
- U/G Power Cable Hand Hole
- H-Frame Pole
- Recorded U/G Power Line — P
- Designated U/G Power Line (S.U.E.*) — P

TELEPHONE:

- Existing Telephone Pole
- Proposed Telephone Pole
- Telephone Manhole — T
- Telephone Booth
- Telephone Pedestal — T
- Telephone Cell Tower
- U/G Telephone Cable Hand Hole — HH
- Recorded U/G Telephone Cable — T
- Designated U/G Telephone Cable (S.U.E.*) — T
- Recorded U/G Telephone Conduit — TC
- Designated U/G Telephone Conduit (S.U.E.*) — TC
- Recorded U/G Fiber Optics Cable — T FO
- Designated U/G Fiber Optics Cable (S.U.E.*) — T FO

WATER:

- Water Manhole — W
- Water Meter
- Water Valve
- Water Hydrant
- Recorded U/G Water Line — W
- Designated U/G Water Line (S.U.E.*) — W
- Above Ground Water Line — A/G Water

TV:

- TV Satellite Dish
- TV Pedestal — C
- TV Tower
- U/G TV Cable Hand Hole — HH
- Recorded U/G TV Cable — TV
- Designated U/G TV Cable (S.U.E.*) — TV
- Recorded U/G Fiber Optic Cable — TV FO
- Designated U/G Fiber Optic Cable (S.U.E.*) — TV FO

GAS:

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

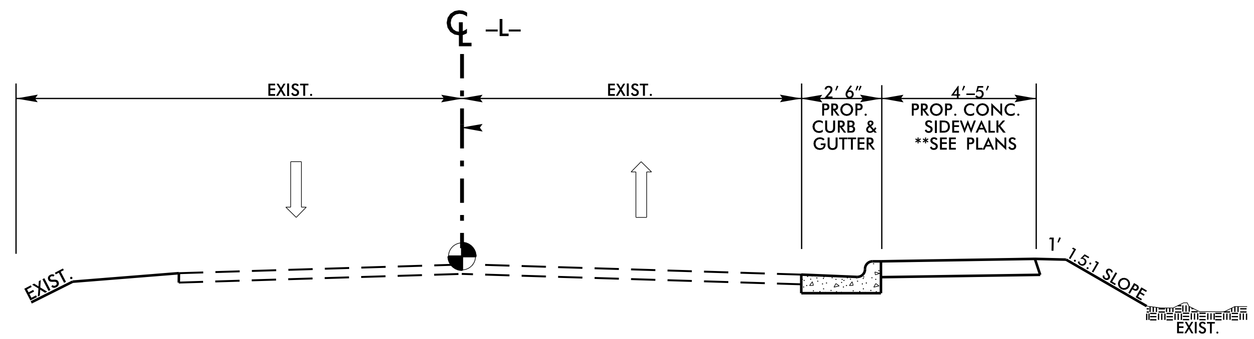
SANITARY SEWER:

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

MISCELLANEOUS:

- Utility Pole
- Utility Pole with Base
- Utility Located Object
- Utility Traffic Signal Box — S
- Utility Unknown U/G Line — ?UTL
- U/G Tank; Water, Gas, Oil
- Underground Storage Tank, Approx. Loc. — UST
- 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.

PROJECT REFERENCE NO.	SHEET NO.
WBS: 47315.3.1	3

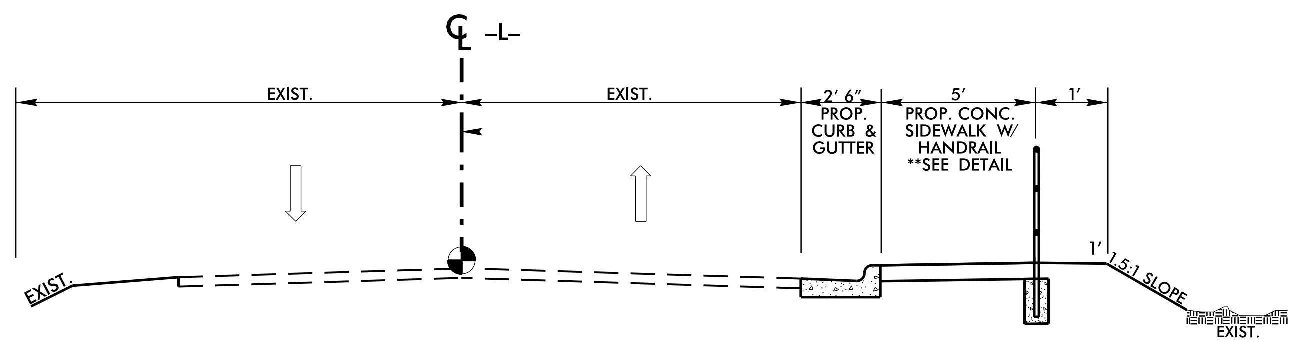


TYPICAL SECTION NO. 1

USE TYPICAL SECTION NO. 1

-L- STA. 12+15.07 TO STA. 23+50.41

-L- STA. 25+41.15 TO STA. 36+97.83



TYPICAL SECTION NO. 2

USE TYPICAL SECTION NO. 2

-L- STA. 23+50.41 TO STA. 24+61.79

4/04/06

COMPUTED BY: ____________ DATE: ____________
CHECKED BY: ____________ DATE: ____________

PROJECT REFERENCE NO.	SHEET NO.
WBS: 47315.3.1	3A

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
SUB–REGIONAL & REGIONAL
LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

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

STATION / SIZE / THICKNESS OR GAUGE	LOCATION (LT,RT, OR CL)	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	DRAINAGE PIPE (RCP, CSP, CAAP, HDPE, or PVC) 12"	15"	18"	24"	30"	36"	42"	48"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE
17+30.87	RT	1		2751.35	2748.35														
		1	1A		2748.35	2748.00													
17+30.87	RT	1A		2751.00	2748.00														
		1A	1B		2748.00	2746.27													
18+88.83	RT	2		2746.93	2743.93														
		2	2A		2743.93	2743.50													
18+88.83	RT	2A		2746.50	2743.50														
		2A	2B		2743.93	2743.18													
22+04.17	RT	3		2737.59	2734.59														
		3	3A		2734.59	2731.70													
23+55.64	RT	4																	
26+10.02	RT	5		2727.46	2724.46														
		5	5A		2724.46	2722.68													
27+29.51	RT	6		2724.44	2722.11														
		6	6A		2722.11	2721.81													
32+45.59	RT	7		2713.80	2711.72														
		7	7A		2711.72	2711.60													
31+89.59	RT	7A		2713.82	2711.60														
		7A	7B		2711.60	2711.50													
36+59.45	RT	8		2711.20	2708.20														
		8	8A		2708.20	2707.00													
TOTALS:																			

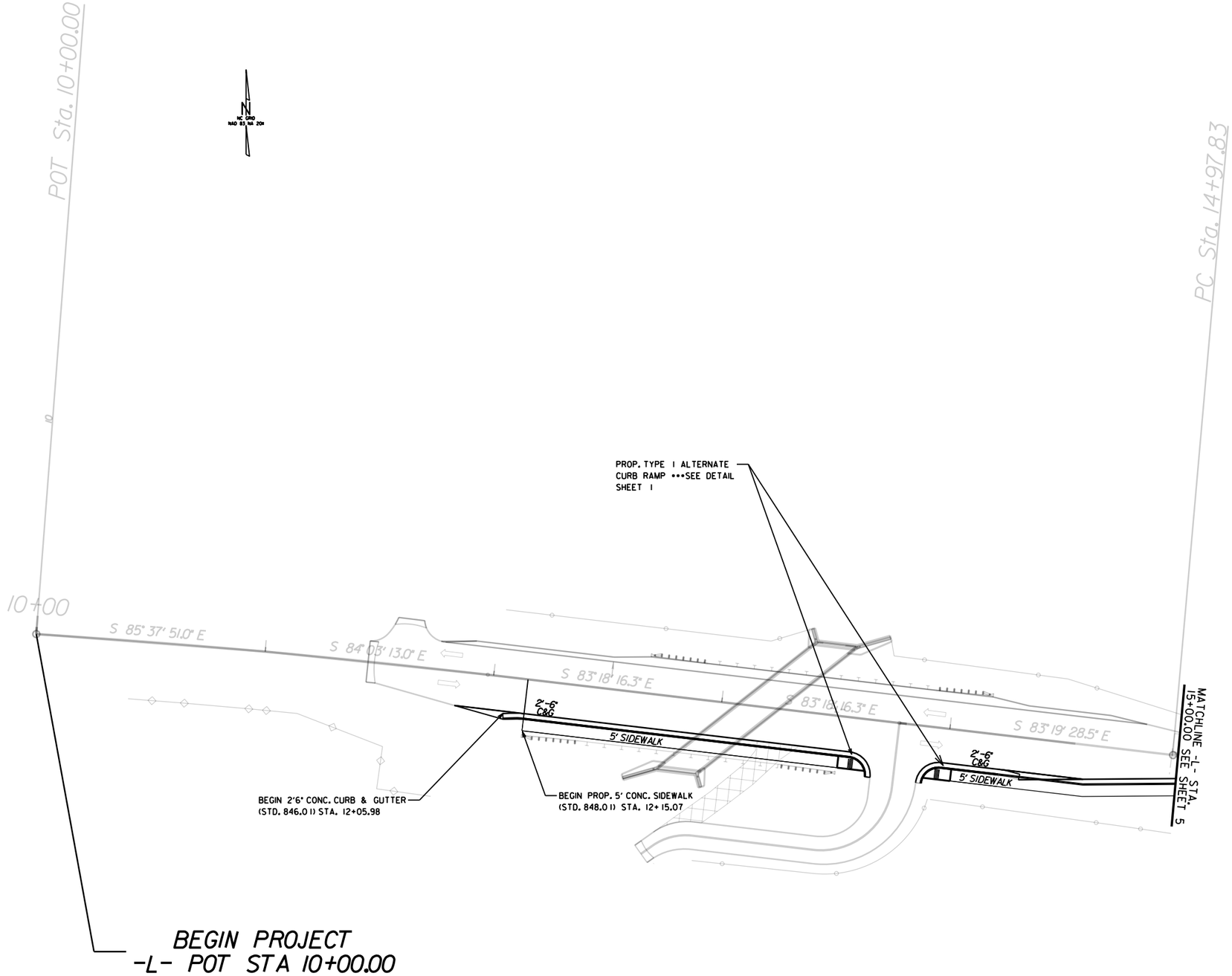
STATION	FROM	TO	C.S. PIPE 12" .064	15" .064	18" .064	24" .064	36" .079	42" .109	48" .109	R.C. PIPE (CLASS III) 12"	15"	18"	24"	30"	36"	42"	R.C. PIPE (CLASS IV) 12"	15"	18"	24"	30"	36"	42"	48"
17+30.87	1																							
	1	1A		13																				
17+30.87	1A																							
	1A	1B		27																				
18+88.83	2																							
	2	2A		14																				
18+88.83	2A																							
	2A	2B		50																				
22+04.17	3																							
	3	3A		3																				
23+55.64	4																							
26+10.02	5																							
	5	5A		13																				
27+29.51	6																							
	6	6A			15																			
32+45.59	7																							
	7	7A									49													
31+89.59	7A																							
	7A	7B								6														
36+59.45	8																							
	8	8A		12																				
TOTALS:				132	15					6	49													

STATION	FROM	TO	**" R. C. PIPE (CLASS V)	**" R. C. PIPE CULVERTS, CONTRACTOR DESIGN PIPE	**" R. C. PIPE CULVERTS, CONTRACTOR DESIGN PIPE	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	ENDWALLS STD. 838.01, STD. 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YDS. R.C.P.	C.S.P.	QUANTITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0')	* TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') LIN. *FT. A 5.0' THRU 10.0'	B 10.0' AND ABOVE	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES AND HOOD STANDARD 840.03 TYPE OF GRATE E	F	G		CONCRETE TRANSITIONAL SECTION CATCH BASIN	DROP INLET	C.B. STD. 840.01 OR STD. 840.02	C.B. STD. 840.04 OR 840.05	G.D.I. FRAME WITH TWO GRATES STD. 840.22	FRAME, GRATES, AND HOOD STD. 840.03	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" C.Y. STD 840.72	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	PIPE REMOVAL LIN.FT.	REMARKS
17+30.87	1																			1			1							TYPE "F" GRATE
	1	1A																												PIPE PROVIDED BY NCDOT
17+30.87	1A																								1					JUNCTION BOX WITH SLAB LID
	1A	1B																												TIE TO EXISTING DROP INLET STA. 17+57.87+/– PIPE PROVIDED BY NCDOT
18+88.83	2																			1			1							TYPE "F" GRATE
	2	2A																												PIPE PROVIDED BY NCDOT
18+88.83	2A																								1					JUNCTION BOX WITH SLAB LID
	2A	2B																												TIE TO EXISTING DROP INLET STA. 18+38.83+/– PIPE PROVIDED BY NCDOT
22+04.17	3																			1			1							TYPE "F" GRATE
	3	3A																												PIPE PROVIDED BY NCDOT
23+55.64	4																													MODIFIED FLUME DRAIN, SEE DETAIL
26+10.02	5																			1			1							TYPE "F" GRATE
	5	5A																												PIPE PROVIDED BY NCDOT
27+29.51	6																				1									
	6	6A																												PIPE PROVIDED BY NCDOT
32+45.59	7																				1									
	7	7A																												PIPE PROVIDED BY NCDOT
31+89.59	7A																				1									
	7A	7B																												PIPE PROVIDED BY NCDOT
36+59.45	8																			1			1							TYPE "F" GRATE
	8	8A																												
TOTALS:																				5	3		5		2					

ABBREVIATIONS

C.B.	CATCH BASIN
N.D.I.	NARROW DROP INLET
D.I.	DROP INLET
G.D.I.	GRATED DROP INLET
G.D.I. (N.S.)	GRATED DROP INLET (NARROW SLOT)
J.B.	JUNCTION BOX
M.H.	MANHOLE
T.B.D.I.	TRAFFIC BEARING DROP INLET
T.B.J.B.	TRAFFIC BEARING JUNCTION BOX

PROJECT REFERENCE NO.	SHEET NO.
WBS: 47315.3.1	4



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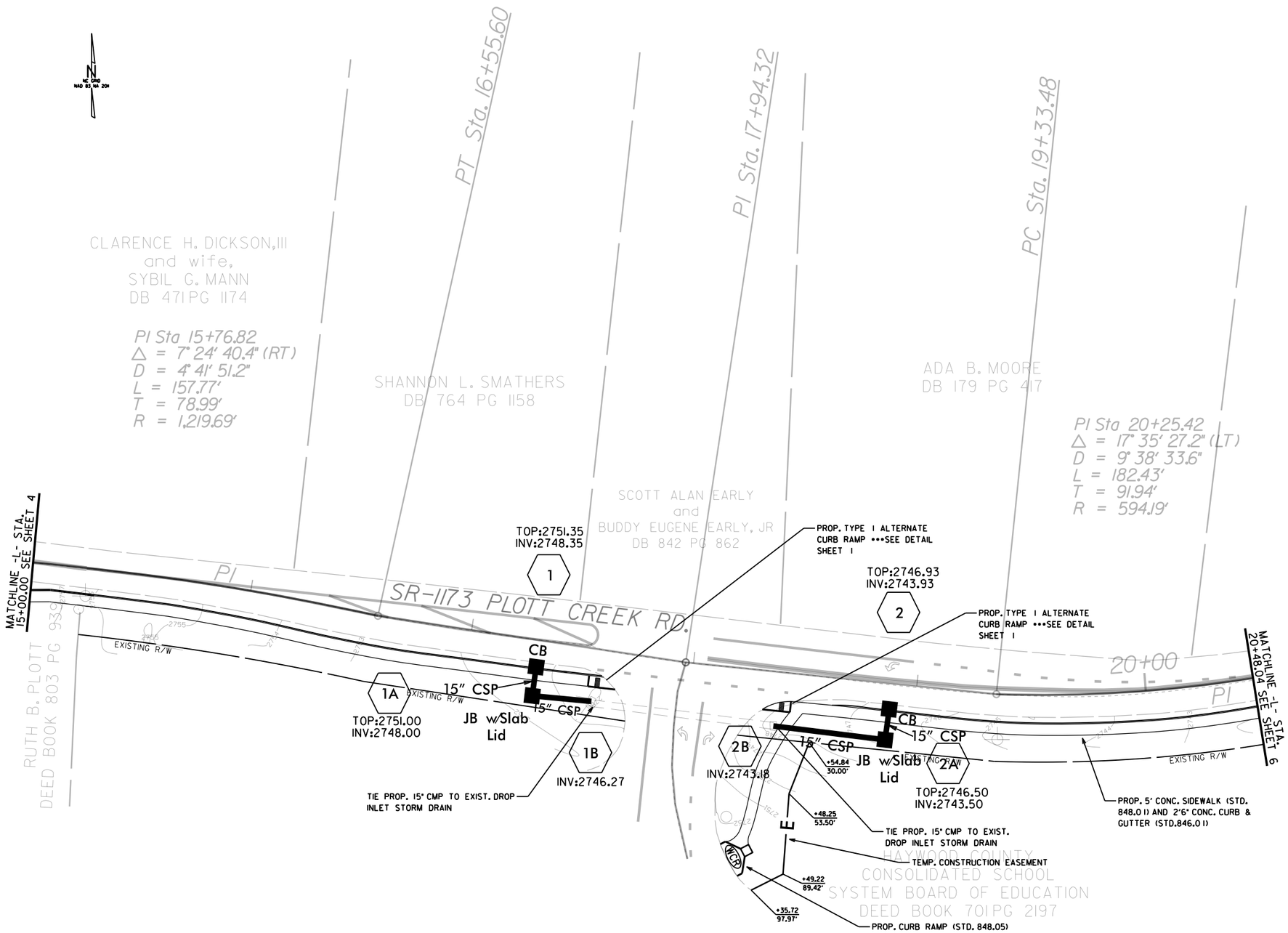
WBS: 47315.3.1	5



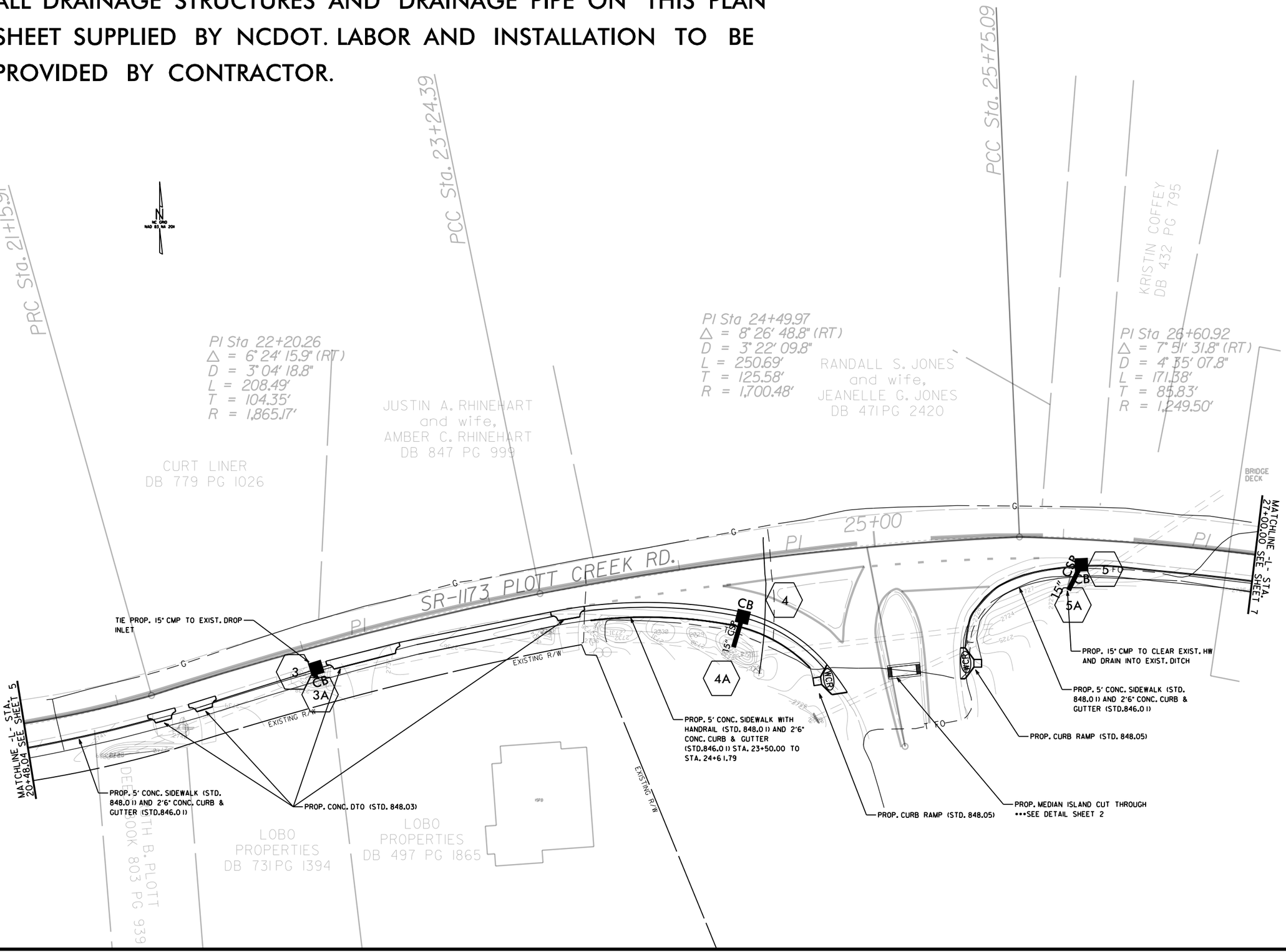
*NOTE:

ALL DRAINAGE STRUCTURES AND DRAINAGE PIPE ON THIS PLAN SHEET SUPPLIED BY NCDOT. LABOR AND INSTALLATION TO BE PROVIDED BY CONTRACTOR.

PROJECT REFERENCE NO.	SHEET NO.
WBS: 47315.3.1	6

***NOTE:**

ALL DRAINAGE STRUCTURES AND DRAINAGE PIPE ON THIS PLAN SHEET SUPPLIED BY NCDOT. LABOR AND INSTALLATION TO BE PROVIDED BY CONTRACTOR.



PROJECT REFERENCE NO.	SHEET NO.
WBS: 47315.3.1	7

PT Sta. 27+46.47

PC Sta. 28+32.40

PRC Sta. 30+20.79

PCC Sta. 31+13.24

PI Sta 31+38.58
△ = 2° 46' 31.4" (RT)
D = 5° 28' 33.4"
L = 50.68'
T = 25.35'
R = 1,046.32'

PCC Sta. 31+63.92

PI Sta 31+92.22
△ = 7° 43' 43.0" (RT)
D = 13° 40' 32.6"
L = 56.51'
T = 28.30'
R = 418.96'

PCC Sta. 32+20.43

PI Sta 32+46.25
△ = 7° 03' 07.8" (RT)
D = 13° 40' 32.6"
L = 51.57'
T = 25.82'
R = 418.96'

PT Sta. 32+72.00

SHARON GREEN
DB 863 PG 1188

EDDIE CARROLL BIRCHFIELD and RITA B. BOLIN, FREDDIE CARROLL BIRCHFIELD & KELLEY B. PAIGE
DB 902 PG 670

PI Sta 30+67.03
△ = 4° 14' 21.4" (RT)
D = 4° 35' 07.8"
L = 92.45'
T = 46.25'
R = 1,249.50'

PI Sta 29+26.77
△ = 8° 38' 17.5" (LT)
D = 4° 35' 07.8"
L = 188.38'
T = 94.37'
R = 1,249.50'

LORENA McKAY
DB 670 PG 2033

RESURFACE RT LANE WITH S9.5B AT A RATE OF 112 LBS. PER SQ. YD. PER INCH FROM STA. 31+32.21 TO 32+70.32

SULPHUR SPRINGS RD.

BRIDGE DECK

BRIDGE DECK

MATCHLINE -L- STA. 27+00.00 SEE SHEET 6

OTCB

6

6A

18" CSP

SR-1173 HAZELWOOD AVE.

30+00

EXISTING R/W

ALLEN STREET

RE-GREADE EXIST. DITCH TO DRAIN TO EXIST. PIPE

PROP. 5' CONC. SIDEWALK (STD. 848.01) AND 2'6" CONC. CURB & GUTTER (STD.846.01)

PROP. CURB RAMP (STD. 848.05)

MCR

PROP. 2' 6" CONC. CURB AND GUTTER (STD. 846.01)

ROAD SIGN TO BE RELOCATED BY NCDOT

7A

7B

OTCB

15" RCP-III

18" RCP-III

TIE PROP. 12" RCP-III TO EXIST. DI

ADJUST MANHOLE

ADJUST WATER VALVES

PROP. CONC. DTO (STD. 848.03)

PROP. TYPE 1 ALTERNATE CURB RAMP •••SEE DETAIL SHEET 1

PROP. CROSSWALK (STD. 1205.07)

MATCHLINE -L- STA. 32+91.83 SEE SHEET 8

HYATT ST

ISBUS

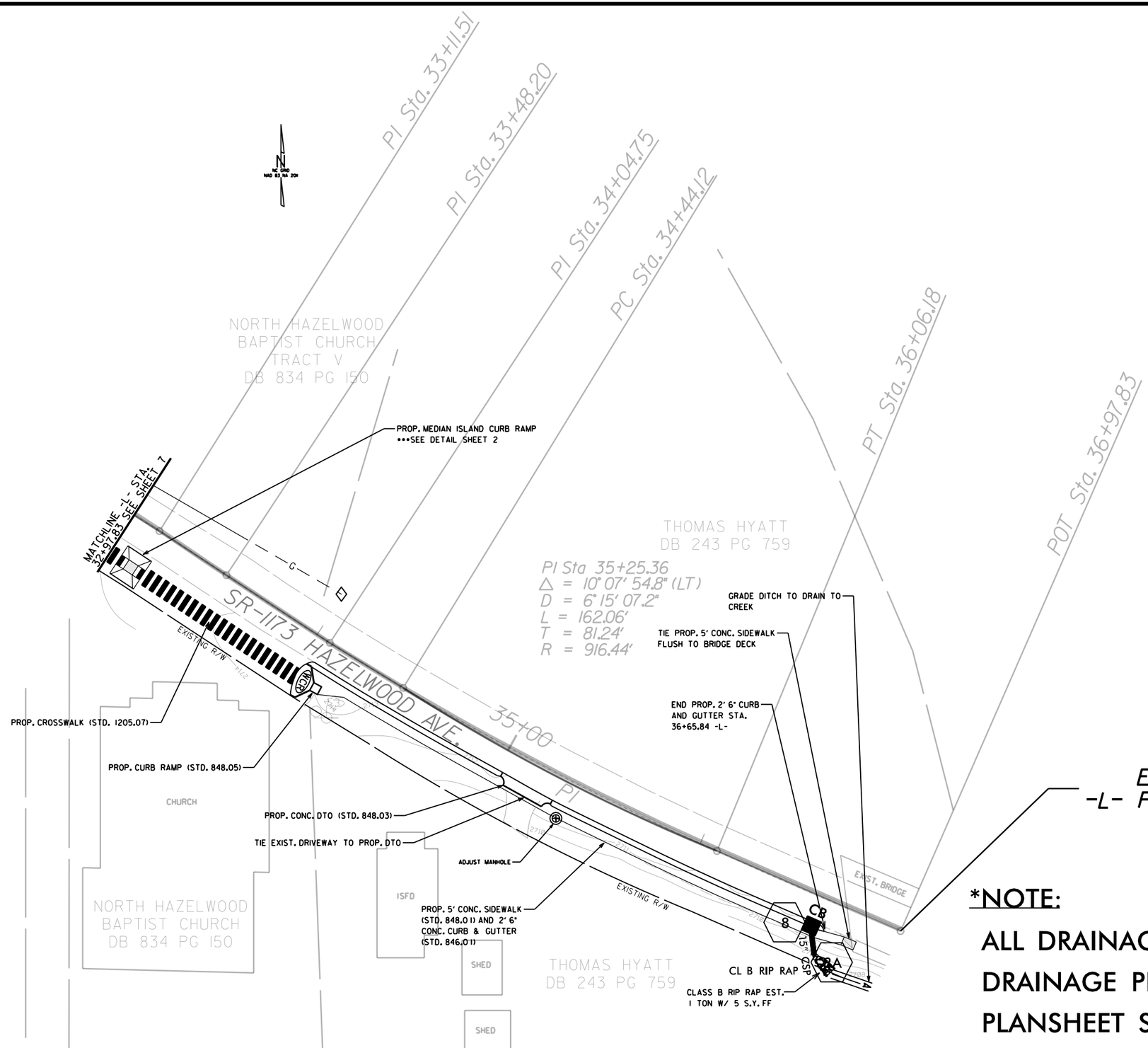
CLEARMAN I. FRISBEE and wife, PAMELA C. FRISBEE
DB 491 PG 1019

PROP. MEDIAN ISLAND CUT THROUGH •••SEE DETAIL SHEET 2

*NOTE:

ALL DRAINAGE STRUCTURES AND DRAINAGE PIPE ON THIS PLAN SHEET SUPPLIED BY NCDOT. LABOR AND INSTALLATION TO BE PROVIDED BY CONTRACTOR.

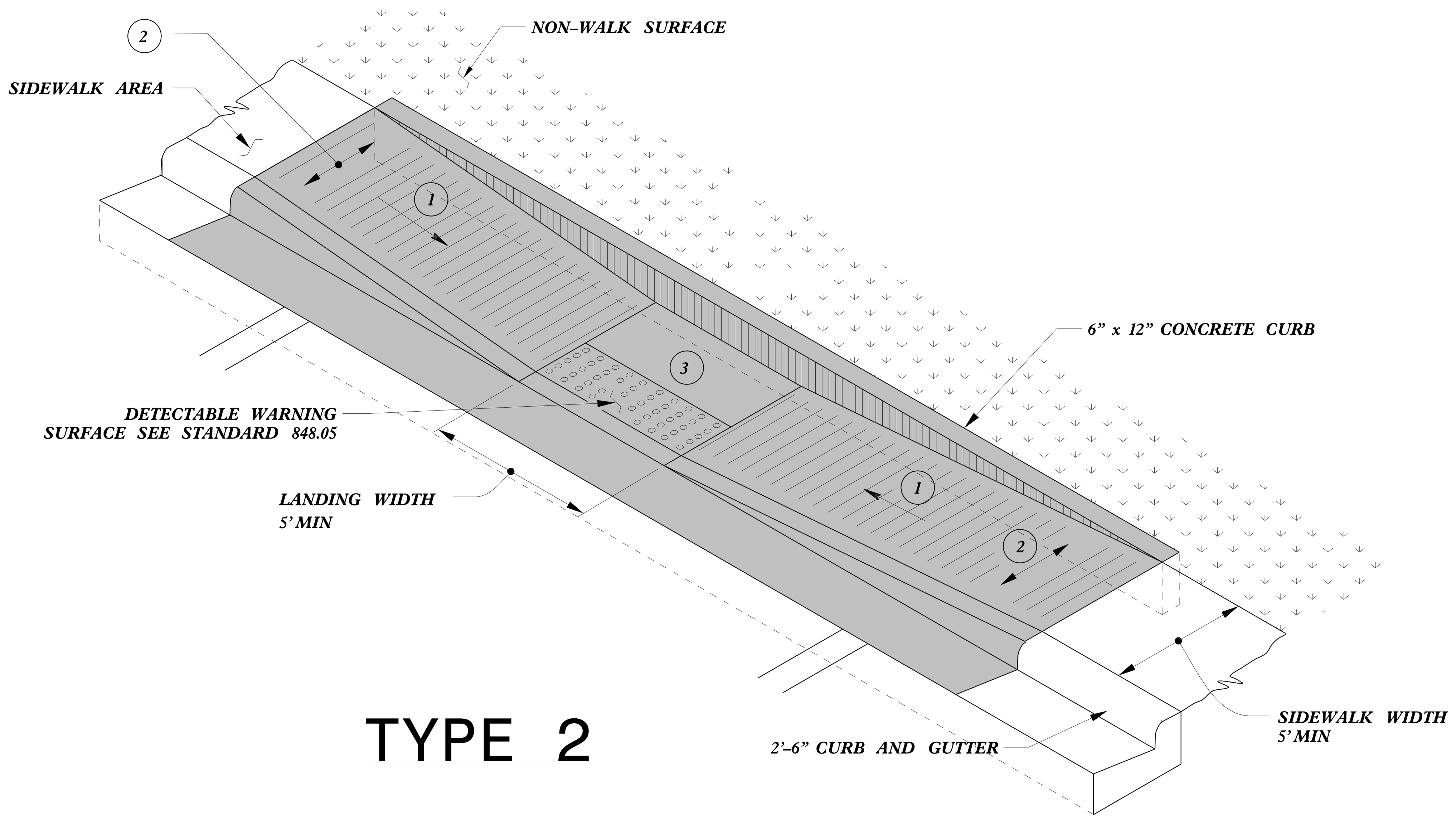
PROJECT REFERENCE NO.	SHEET NO.
WBS: 47315.3.1	8



*NOTE:

ALL DRAINAGE STRUCTURES AND DRAINAGE PIPE ON THIS PLANSHEET SUPPLIED BY NCDOT. LABOR AND INSTALLATION TO BE PROVIDED BY CONTRACTOR.

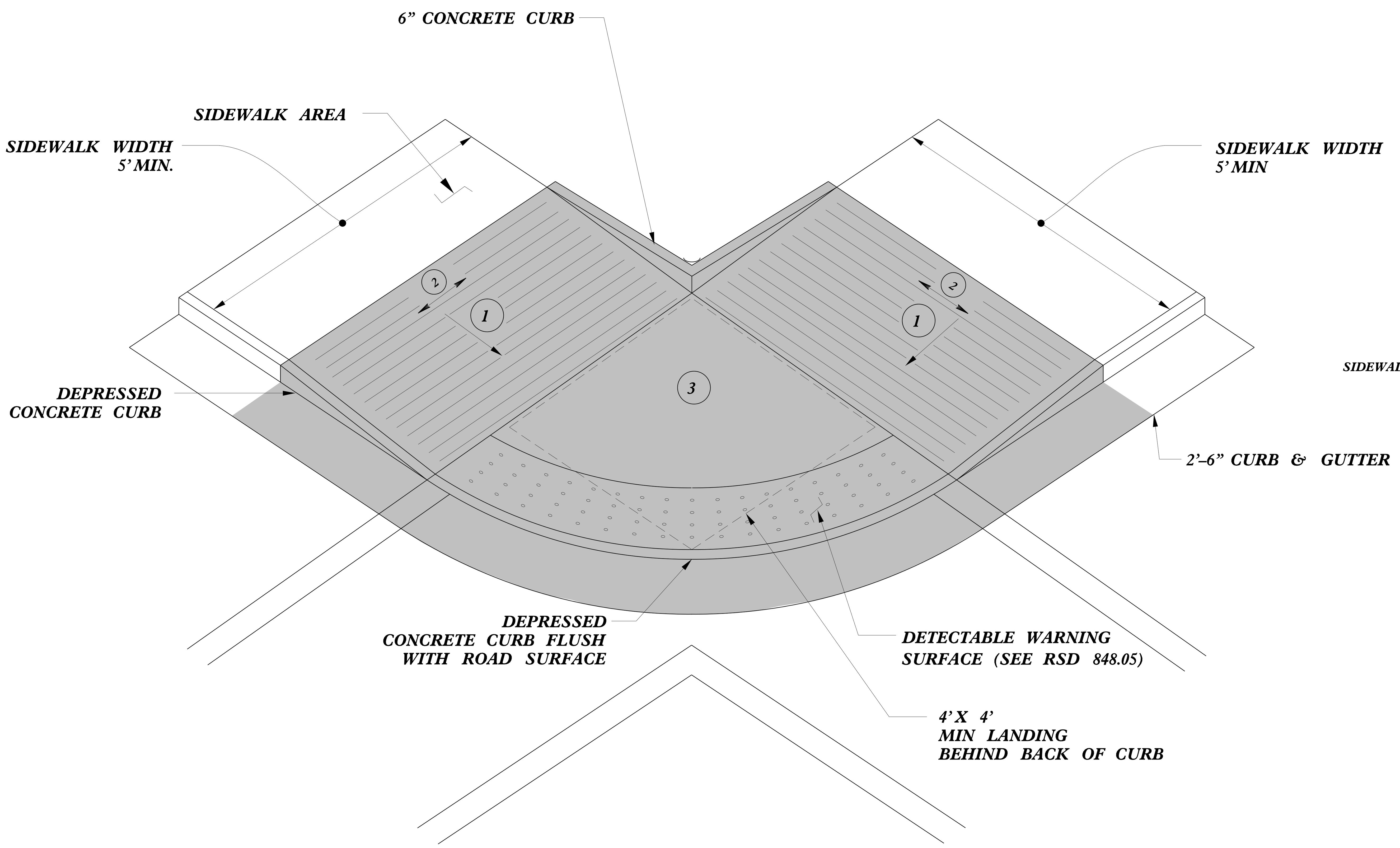
PROJECT REFERENCE NO.	SHEET NO.
47315.3.1	DS1



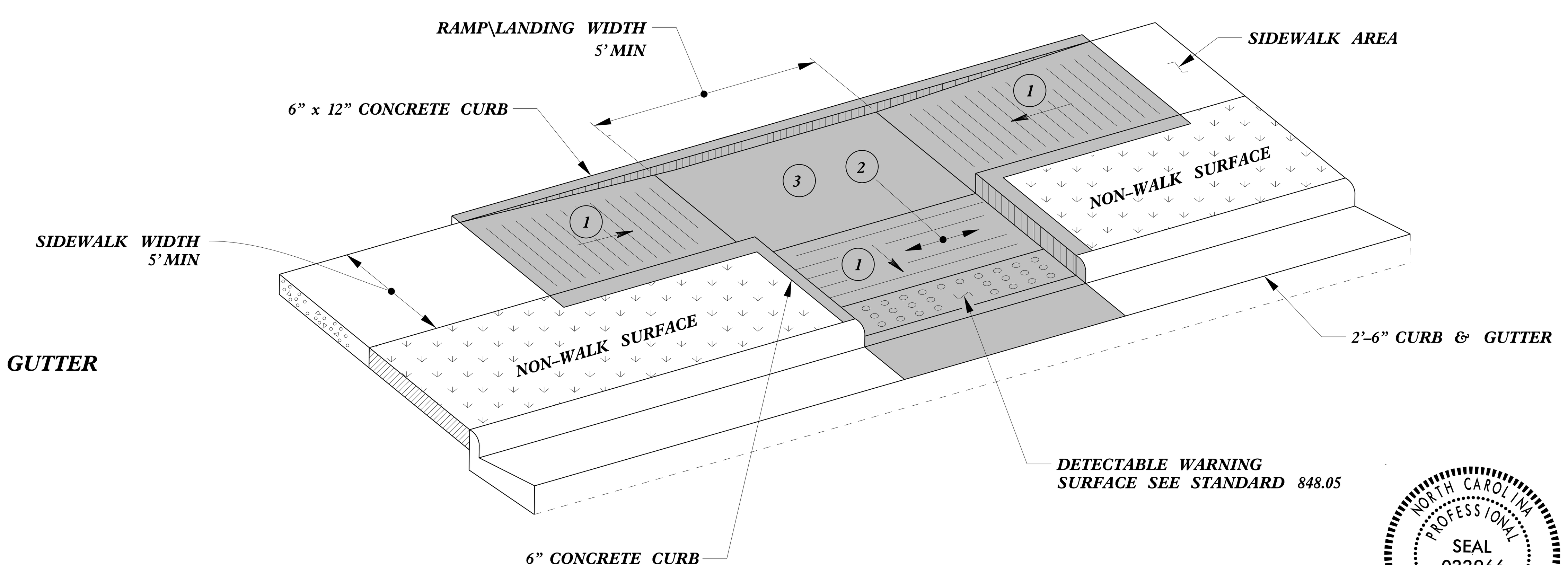
TYPE 2

PAY LIMITS FOR 1 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

NORTH CAROLINA PROFESSIONAL SEAL 022966 ENGINEER
7/6/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

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

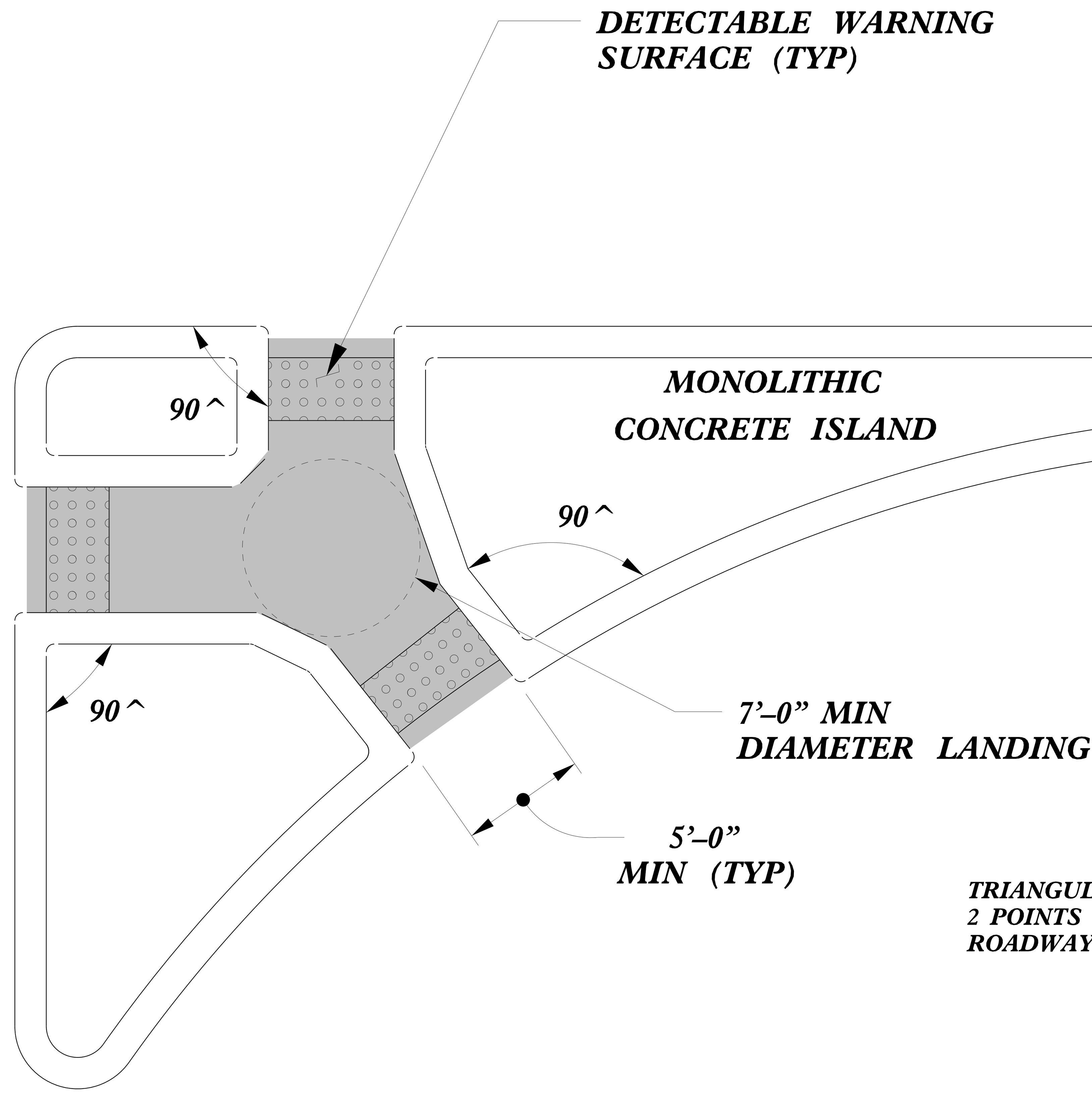
CURB RAMPS
Parallel Ramps

ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: stds/2012CurbRamp/CurbRampDetails.dgn

$$$$SYSTIME$$$$ $$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$$$$ $$$$USERNAME$$$$

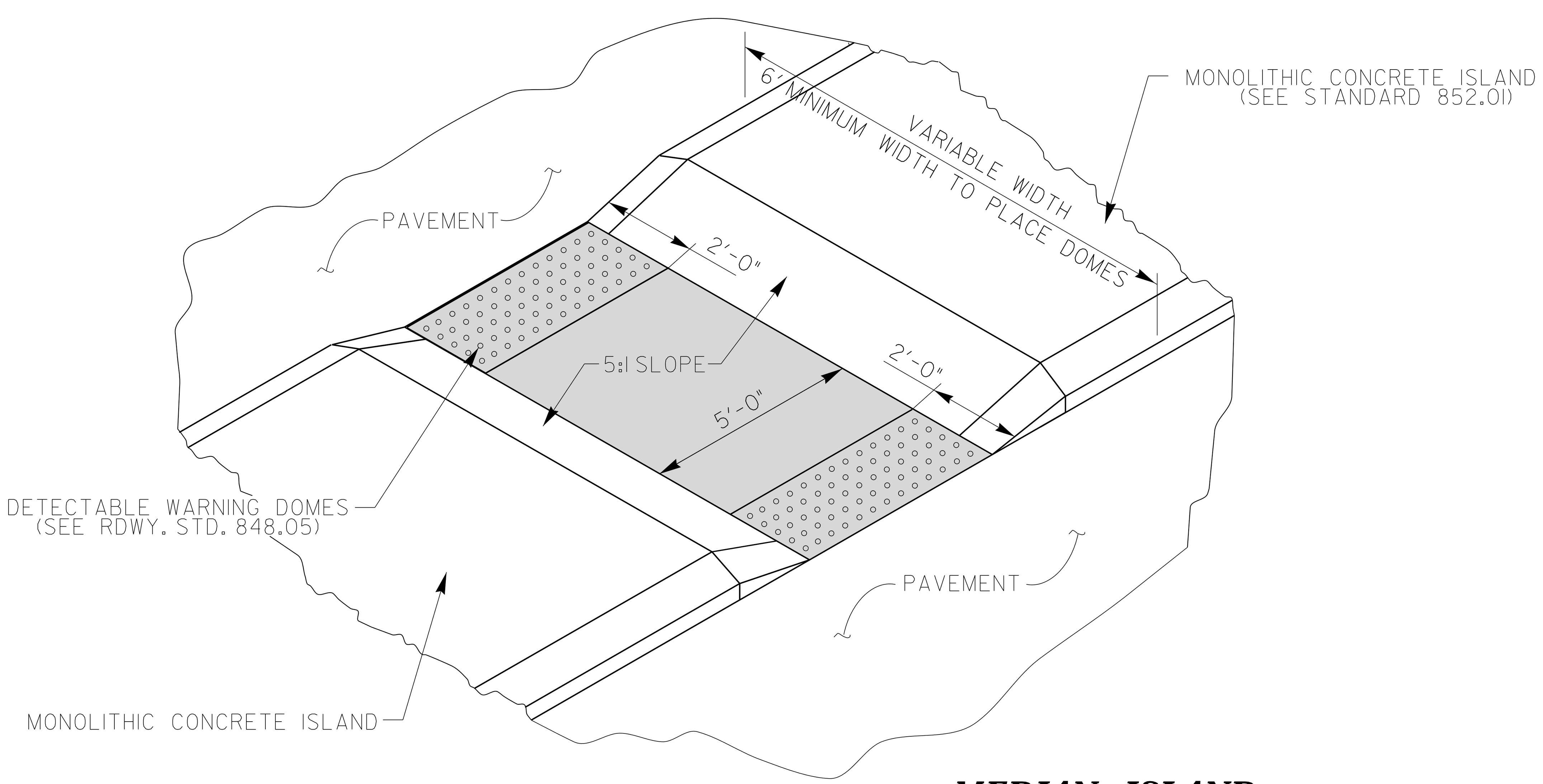
PROJECT REFERENCE NO.	SHEET NO.
47315.3.1	DS2

PAY LIMITS FOR 2 OR 3 CURB RAMPS (CALCULATE BASED ON NUMBER OF SETS OF TRUNCATED DOMES)

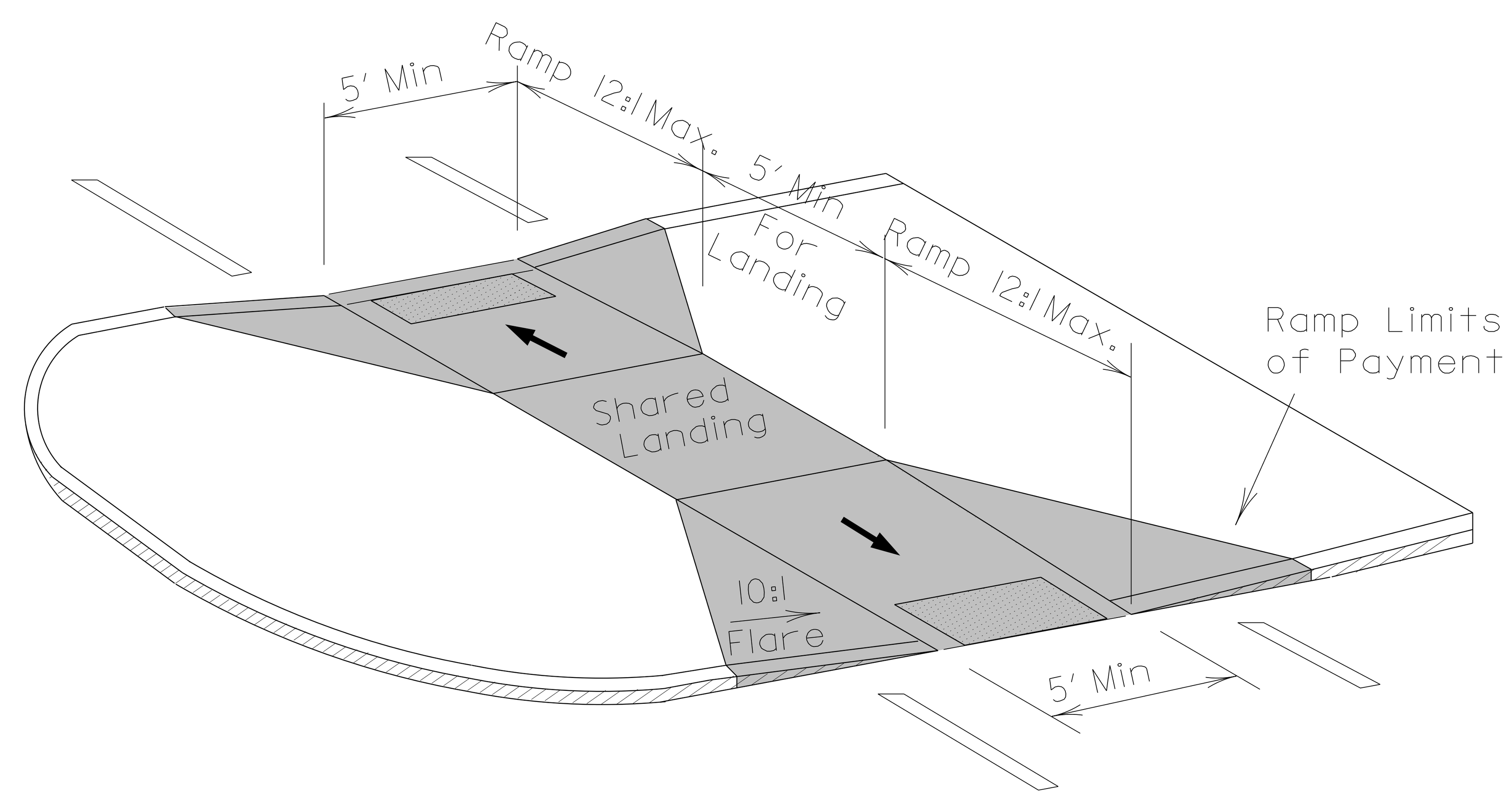


TRIANGULAR ISLANDS MAY BE CONSTRUCTED WITH ONLY 2 POINTS OF ENTRY AND EXIT AS SHOWN IN THE ROADWAY PLANS OR AS DIRECTED BY THE ENGINEER.

TRIANGULAR ISLAND WITH CUT THROUGH



MEDIAN ISLAND WITH CUT THROUGH



MEDIAN ISLAND CURB RAMPS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NORTH CAROLINA PROFESSIONAL SEAL 022966 ENGINEER Joel S. Howerton

DocuSigned by: 973F3D17DCDC45F...

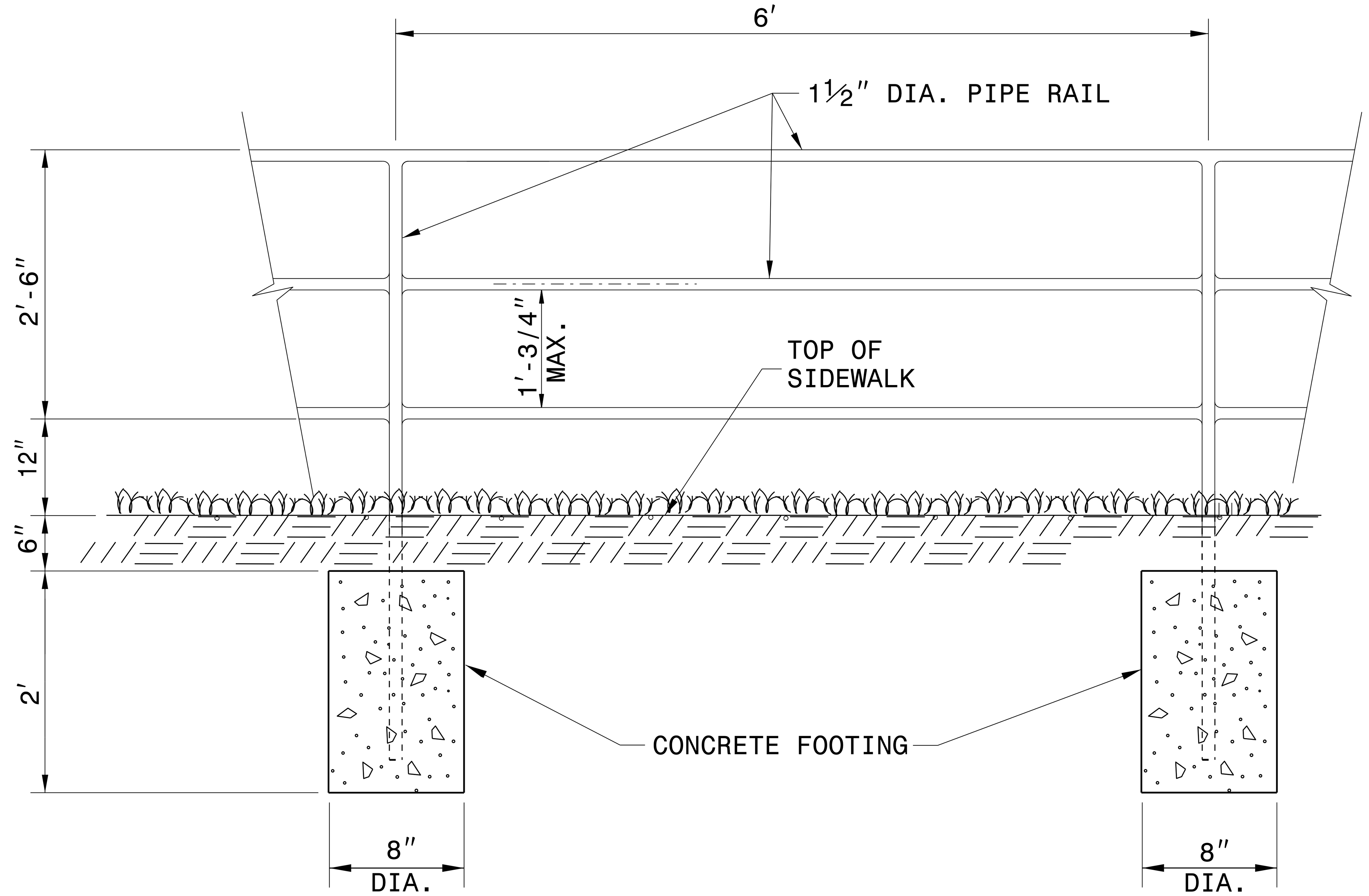
CONTRACT STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

CURB RAMPS

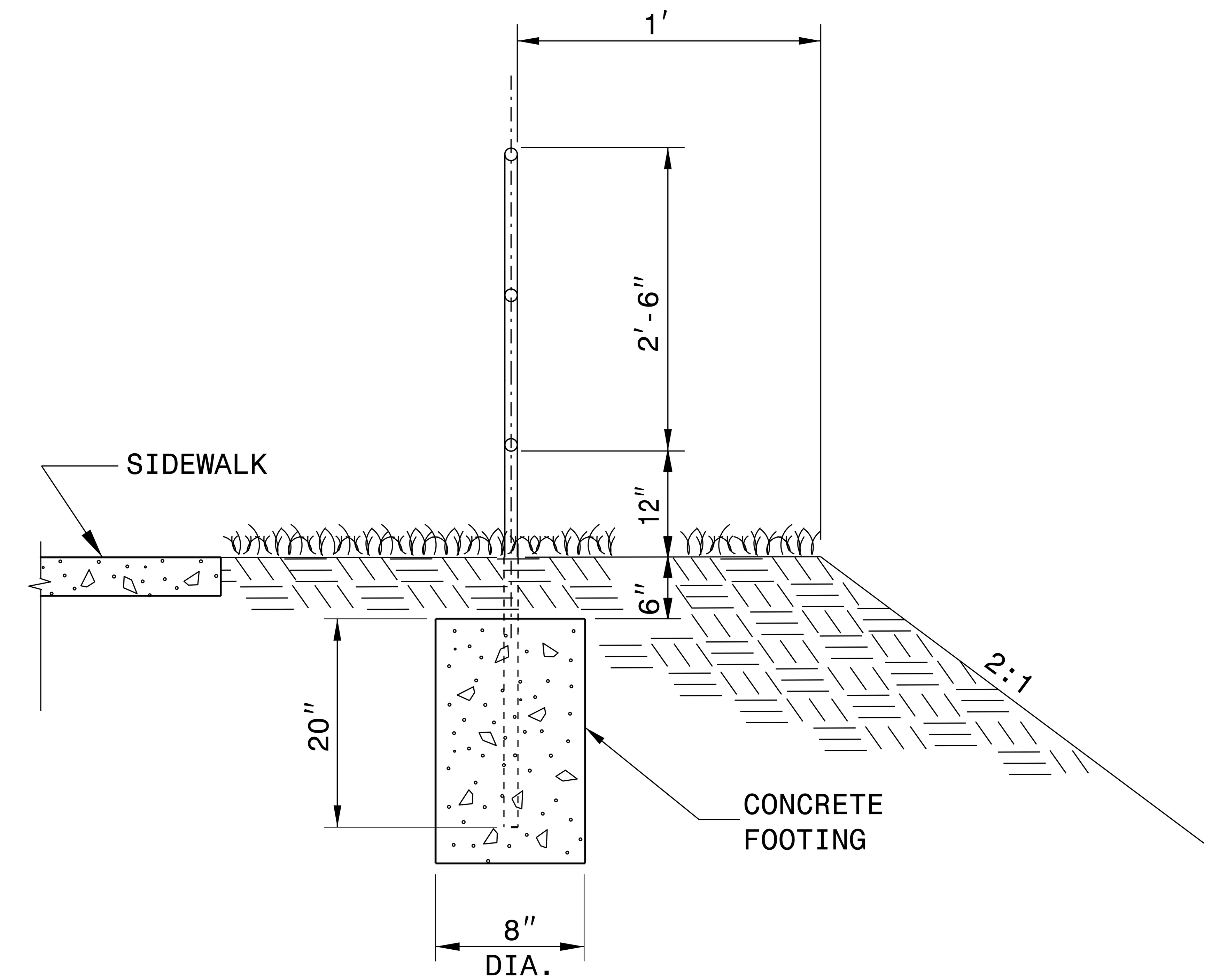
Median or Turn Lane Islands

ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: stds/2012CurbRamp/CurbRampDetails.dgn

PROJECT REFERENCE NO.	SHEET NO.
47315.3.1	



ELEVATION OF PROPOSED PEDESTRIAN HANDRAIL



SECTION VIEW

NOTES:

CONSTRUCT PROPOSED STEEL PIPE RAIL OF 1½″ 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.

NORTH CAROLINA PROFESSIONAL SEAL 022966 ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

29-MAR-2018 07:55
S:\Contracts\Contracts\Special Details\jhowerton\handrail.dgn
jhowerton AT CSD-29259S

09/08/99

TIP: EB-5859

CONTRACT: DN00690

PROJECT REFERENCE NO.	SHEET NO.
WBS: 47315.3.1	PM-1

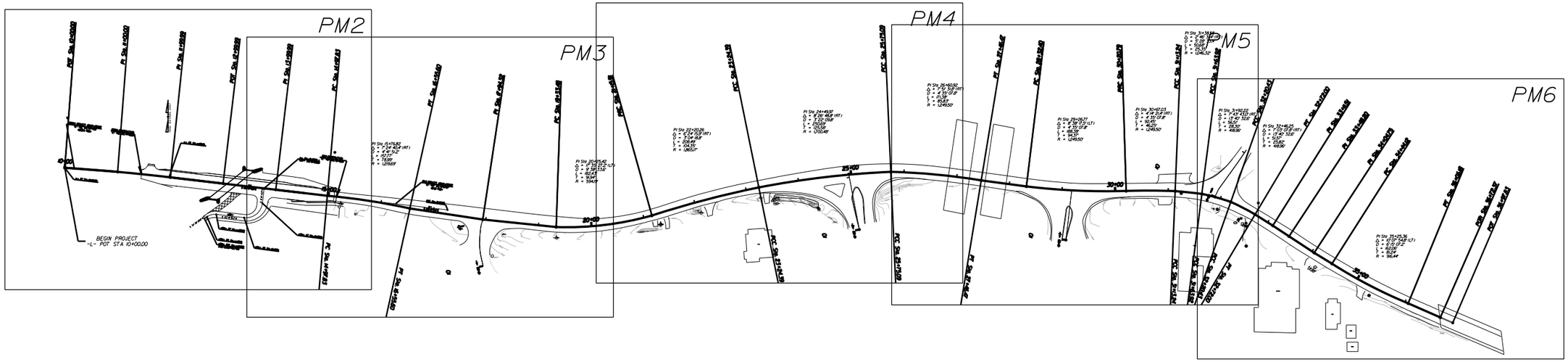
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PAVEMENT MARKING PLAN

HAYWOOD COUNTY

LOCATION: ALONG NC SR-1173 PLOTT CREEK RD. AND HAZELWOOD AVE

TYPE OF WORK: SIDEWALK, CURB AND GUTTER AND DRAINAGE



ROADWAY STANDARD DRAWINGS

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
1205.01	Pavement Markings - Line Types and Offsets
1205.07	Pavement Markings - Pedestrian Crosswalks

INDEX

PAVEMENT MARKING SCHEDULE

8" STANDARD WHITE CROSSWALK LINES- CW1
24" WHITE STOP BAR- SB1
24" WHITE HIGH-VIS CROSSWALK LINES- CW2

GENERAL NOTES

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

A) INSTALL PAVEMENT MARKINGS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
NC SR-1173 PLOTT CREEK RD. AND HAZELWOOD AVE	THERMOPLASTIC	

PLACE ONE (1) APPLICATION OF THERMOPLASTIC PAVEMENT MARKINGS ON THE FINAL WEARING SURFACE.

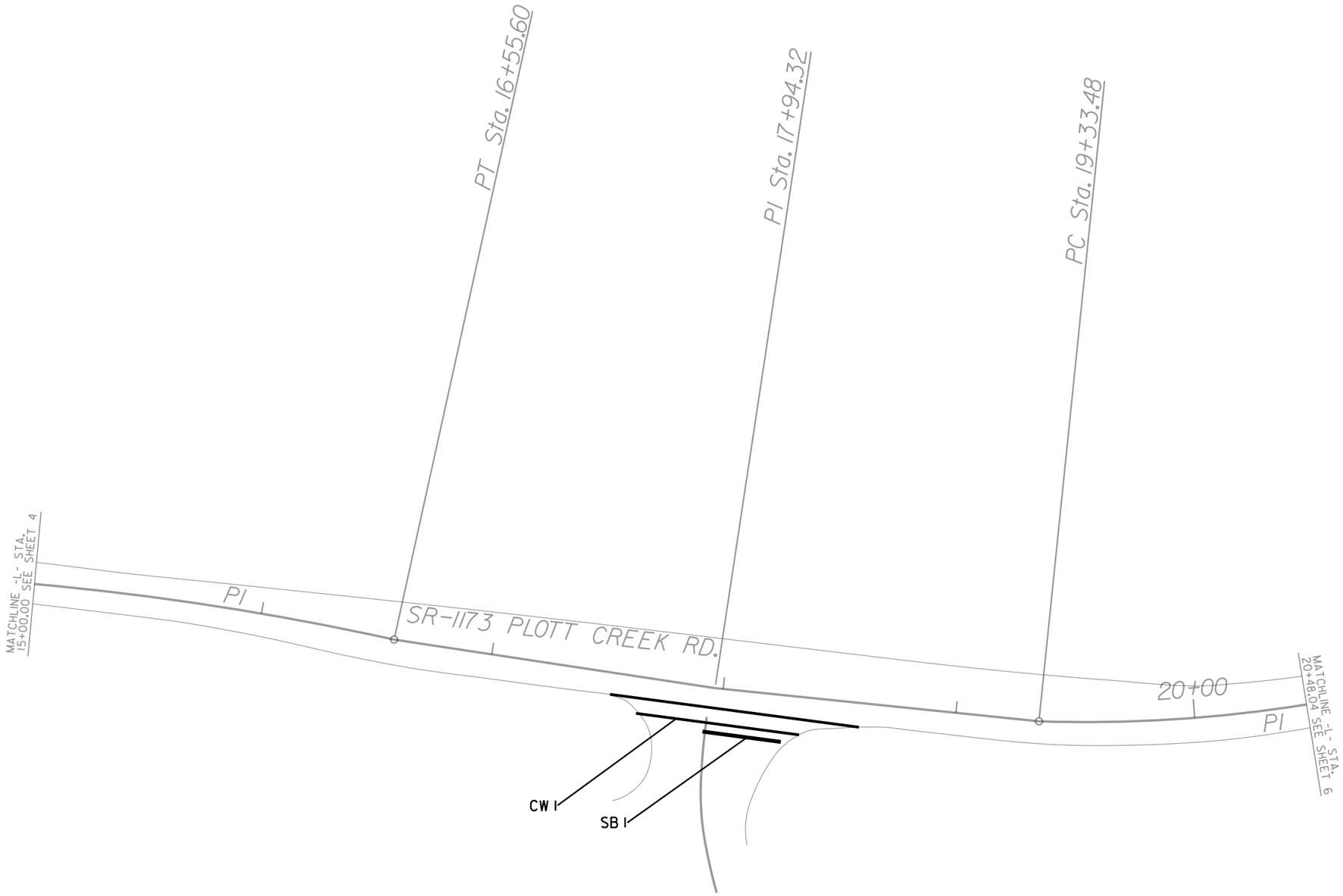
B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES

C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.

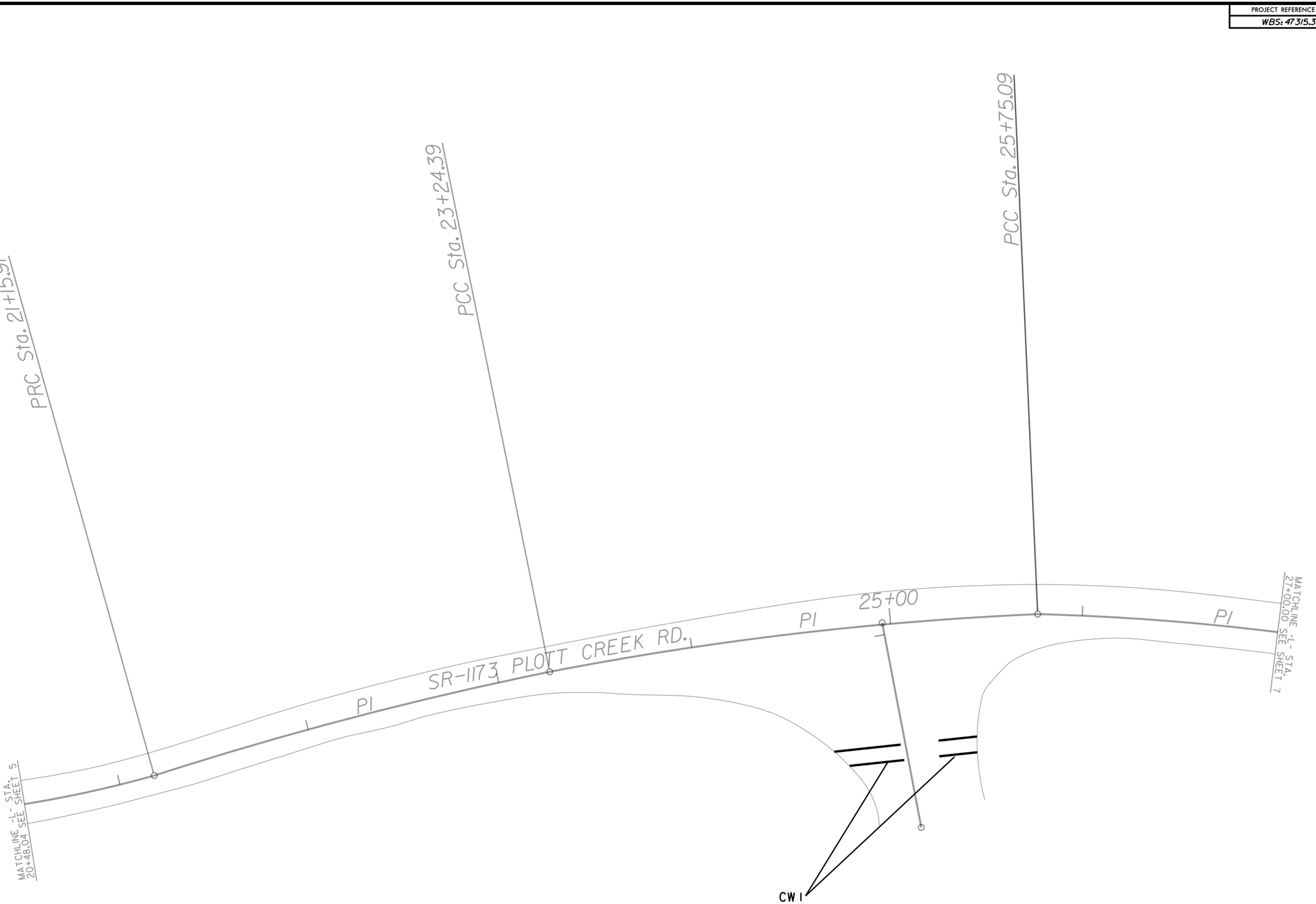
29-AUG-2019 15:04
U:\plott creek sidewalk\plott creek sidewalk\paint\plottcreekcrosswalk_Sgn_PMP.dgn
mcorr AT DIV14-30\560L

PROJECT REFERENCE NO.	SHEET NO.
WBS: 47315.3.1	PM-2

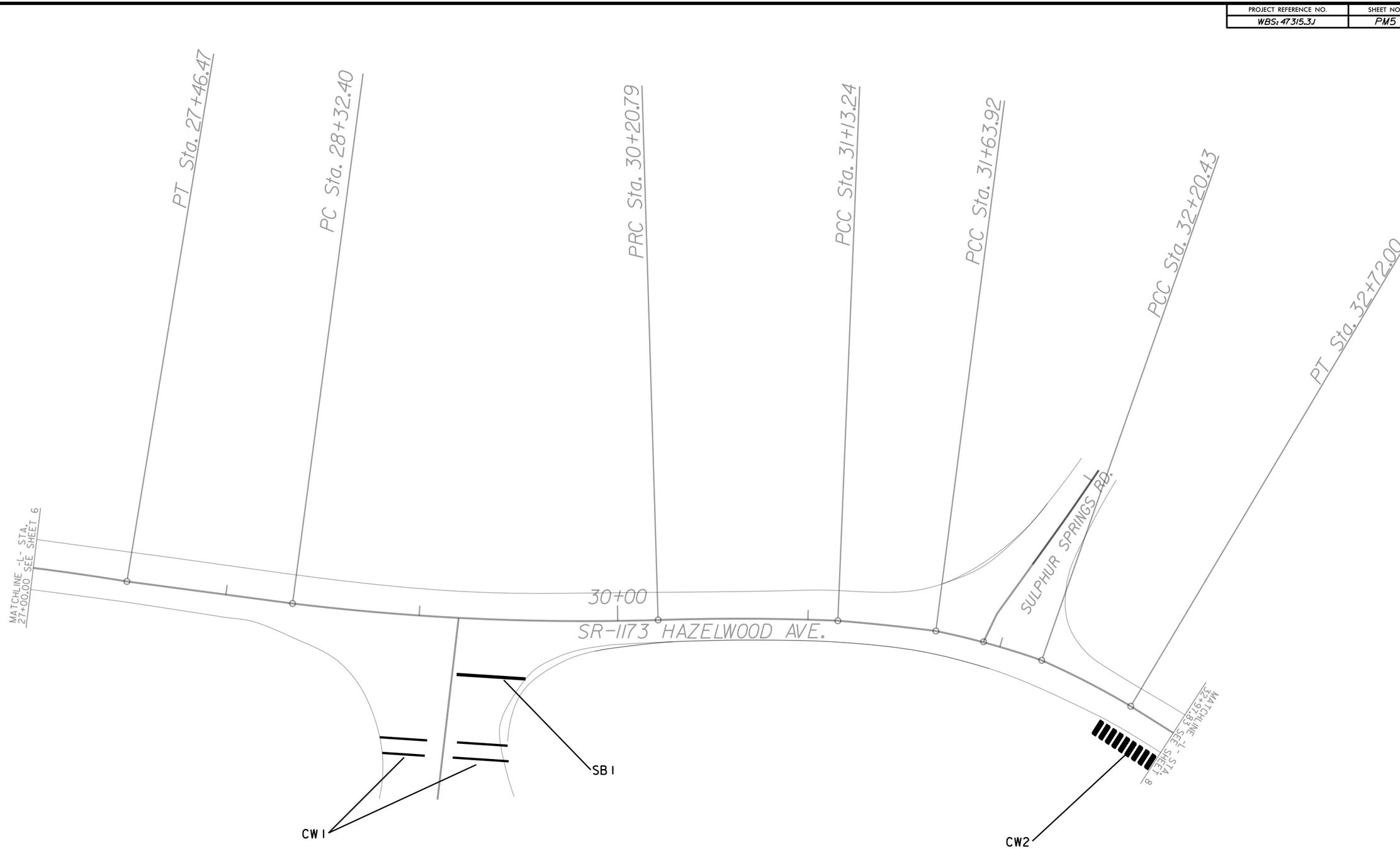
PROJECT REFERENCE NO.	SHEET NO.
WBS: 47315.3.1	PM.3



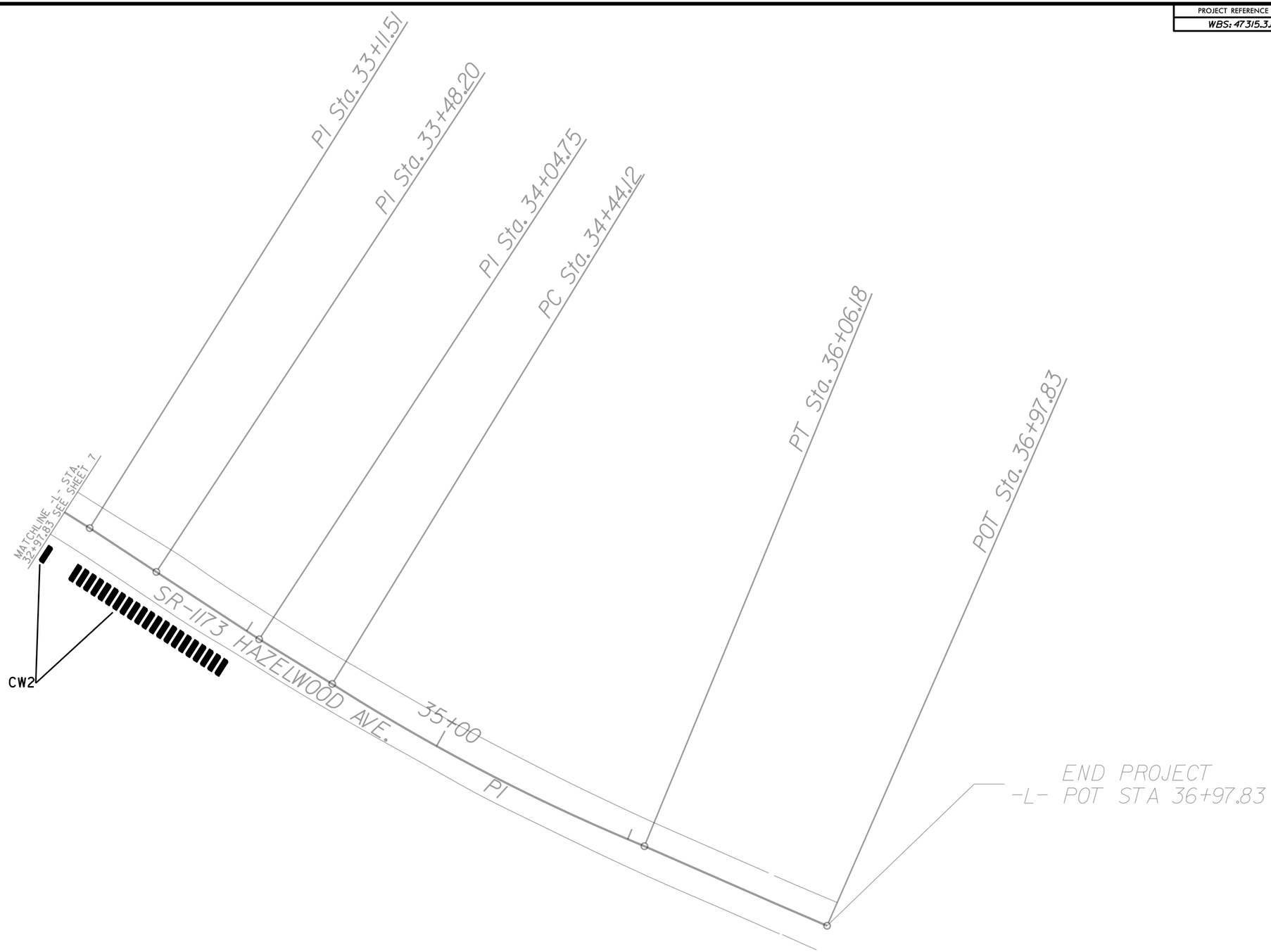
PROJECT REFERENCE NO.	SHEET NO.
WBS: 47315.3.1	PM4



PROJECT REFERENCE NO.	SHEET NO.
WBS: 47315.3.1	PM5



PROJECT REFERENCE NO.	SHEET NO.
WBS: 47315.3.1	PM6



TIP: EB-5859

CONTRACT: DN00690

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	WBS: 47315.3.1	EC-1	

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION

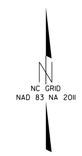
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

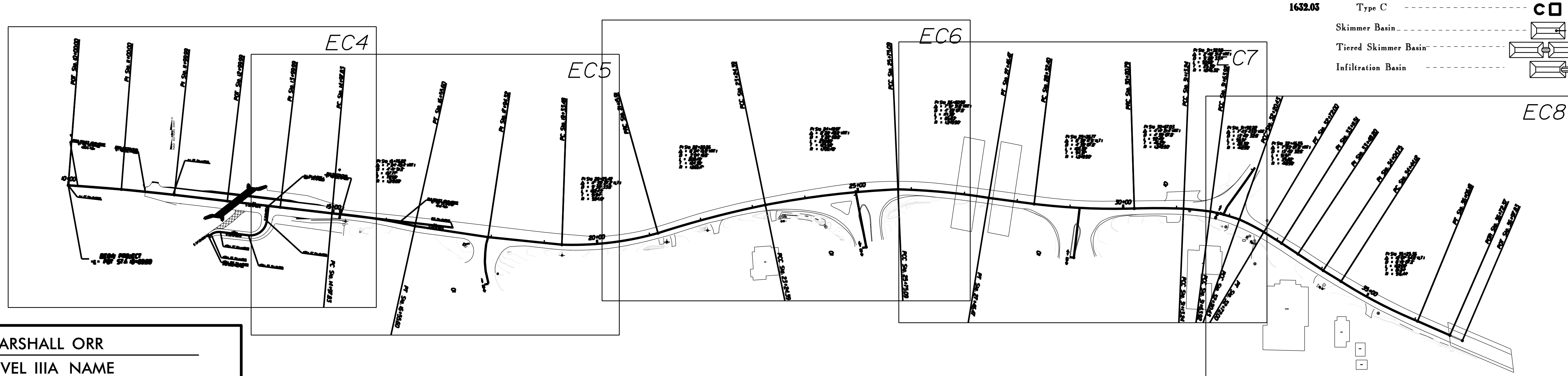
PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

HAYWOOD COUNTY

LOCATION: ALONG NC SR-1173 PLOTT CREEK RD. AND HAZELWOOD AVE

TYPE OF WORK: SIDEWALK, CURB AND GUTTER AND DRAINAGE





EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
	Streambank Reforestation	
1630.03	Temporary Silt Ditch	TSD
1630.05	Temporary Diversion	TD
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	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	
	Tiered Skimmer Basin	
	Infiltration Basin	

MARSHALL ORR

LEVEL IIIA NAME

4139

LEVEL IIIA CERTIFICATION NO.

DS
AB

GRAPHIC SCALE

25 12.5 0 25 50

PLANS

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 1, 2016 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER QUALITY.

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 2012 and the latest revison thereto are applicable to this project and by reference hereby are considered a part of these plans.

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

DS
AB

PROJECT REFERENCE NO.	SHEET NO.
WBS: 47315.3.1	EC-2

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

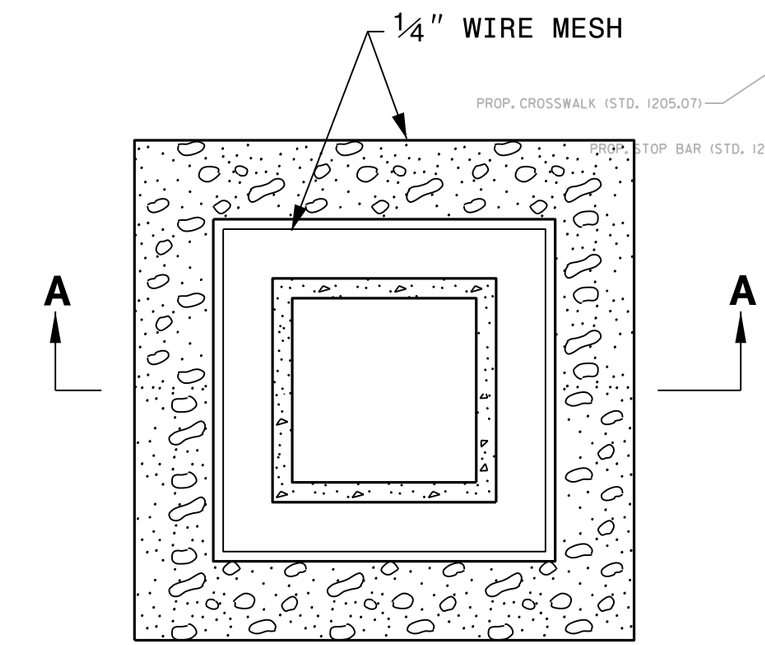
SITE DESCRIPTION	*STABILIZATION TIME*	*TIMEFRAME EXCEPTIONS*
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 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 HQW ZONES.

PROJECT REFERENCE NO.	SHEET NO.
WBS: 47315.3.1	EC-3

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

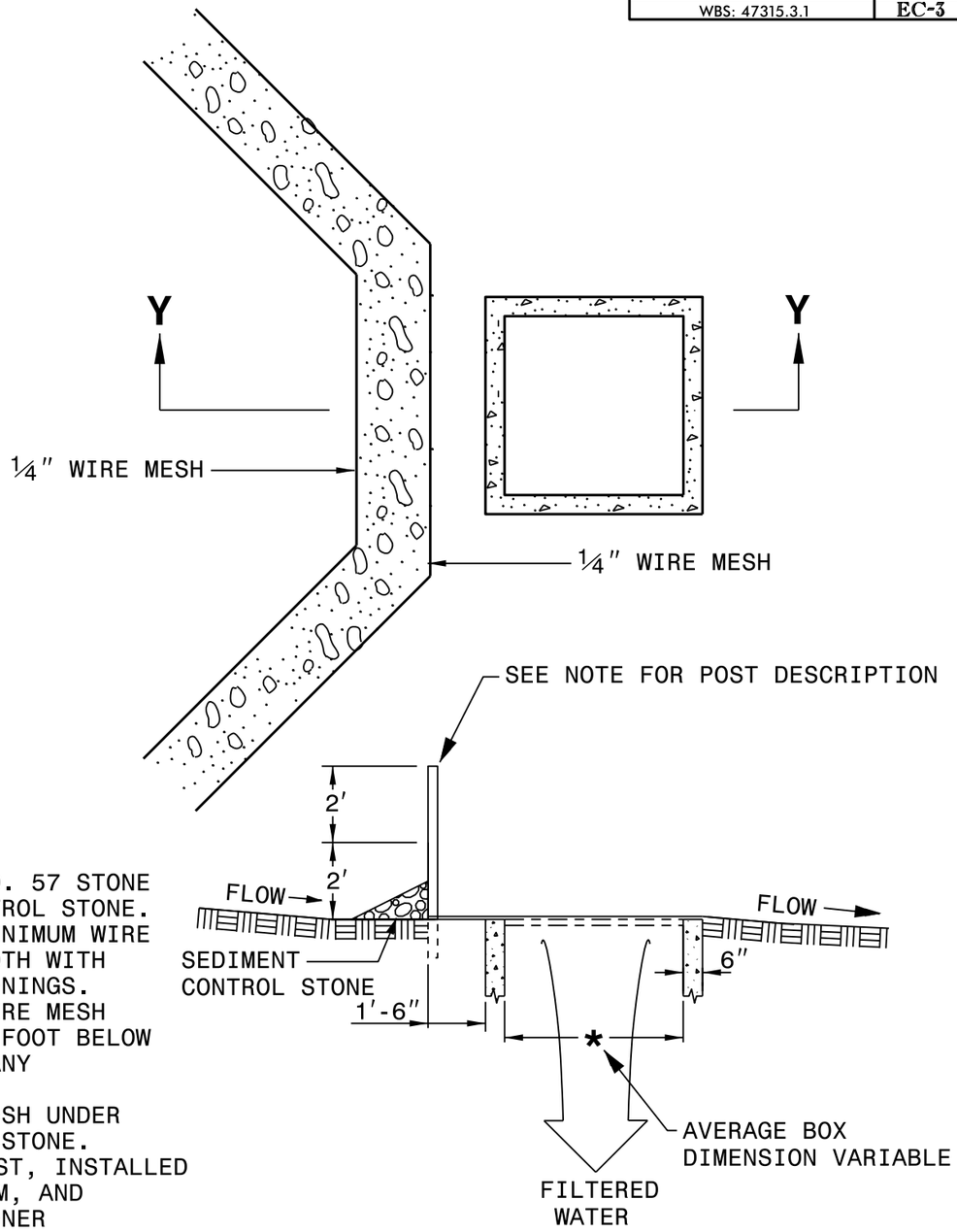
ENGLISH STANDARD DRAWING FOR

ROCK INLET SEDIMENT TRAP TYPE 'C'



SECTION A-A

NOTE
USE NO. 5 OR NO. 57 STONE FOR SEDIMENT CONTROL STONE.
USE 24 GAUGE MINIMUM WIRE MESH HARDWARE CLOTH WITH 1/4 INCH MESH OPENINGS.
PLACE TOP OF WIRE MESH A MINIMUM OF ONE FOOT BELOW THE SHOULDER OR ANY DIVERSION POINT.
INSTALL WIRE MESH UNDER SEDIMENT CONTROL STONE.
USE 5' STEEL POST, INSTALLED 1.5' DEEP MINIMUM, AND OF THE SELF-FASTENER ANGLE STEEL TYPE.
SPACE POST A MAXIMUM OF 4'.



SECTION Y-Y

MULTI-DIRECTIONAL FLOW

SINGLE-DIRECTIONAL FLOW

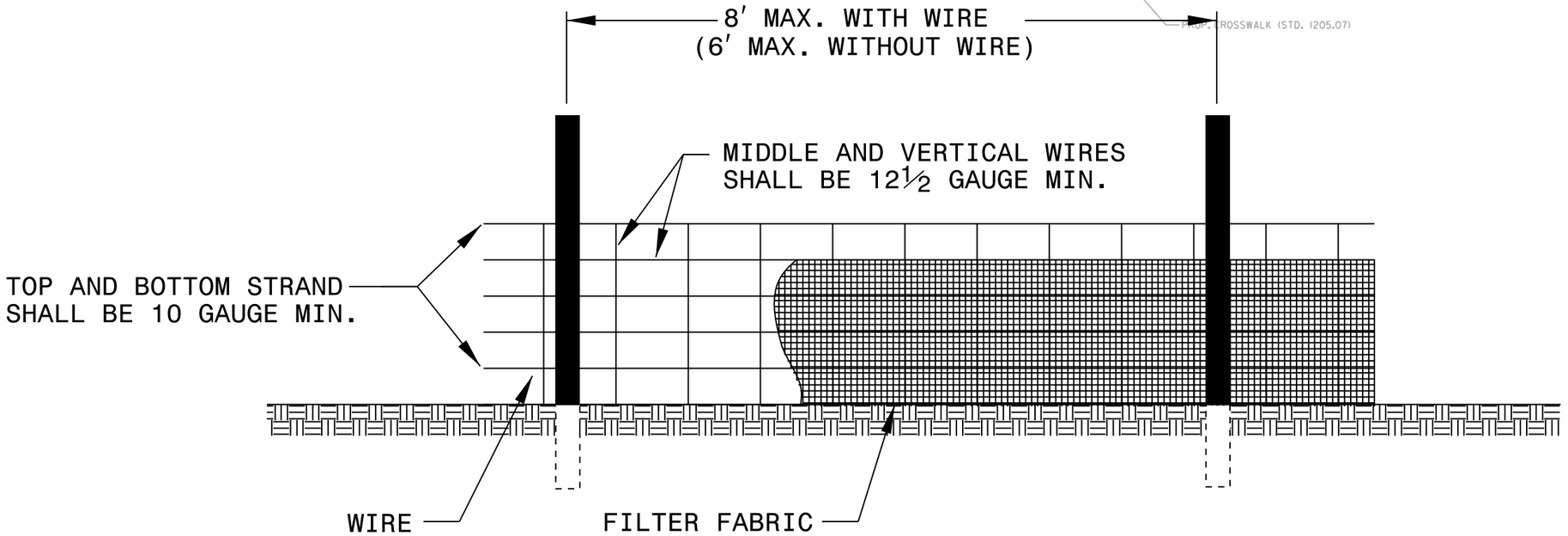
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR

ROCK INLET SEDIMENT TRAP TYPE 'C'

SHEET 3 OF 11
1632.03

PROJECT REFERENCE NO.	SHEET NO.
WBS: 47315.3.1	EC-3A

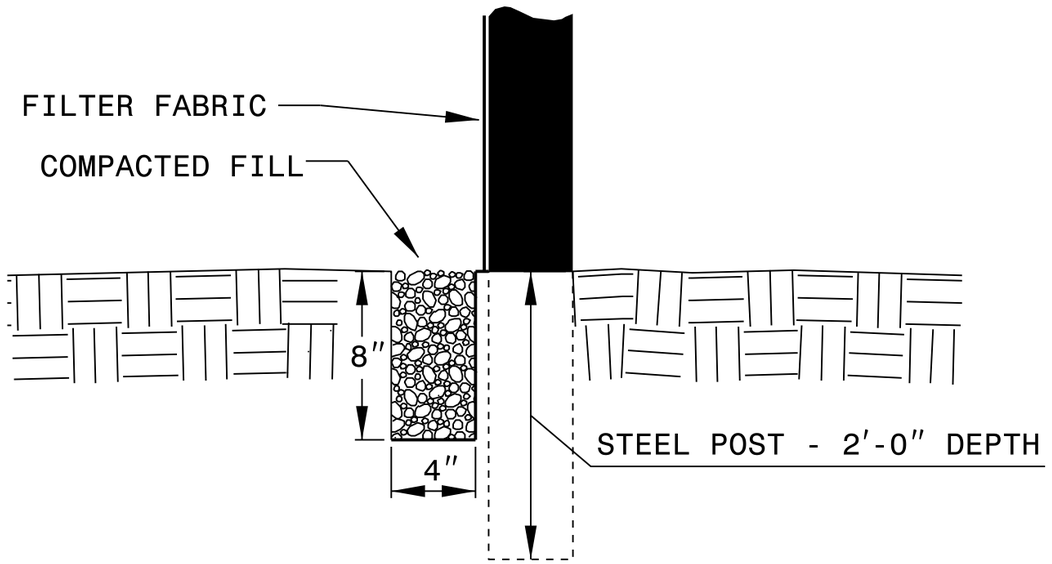


NOTES

USE WIRE A MINIMUM OF 32″ IN WIDTH AND WITH A MINIMUM OF 6 LINE WIRES WITH 12″ STAY SPACING.

USE FILTER FABRIC A MINIMUM OF 36″ IN WIDTH AND FASTEN ADEQUATELY TO THE WIRE AS DIRECTED BY THE ENGINEER.

PROVIDE 5′-0″ STEEL POST OF THE SELF-FASTENER ANGLE STEEL TYPE.



EXTENSION OF FABRIC AND
WIRE INTO TRENCH

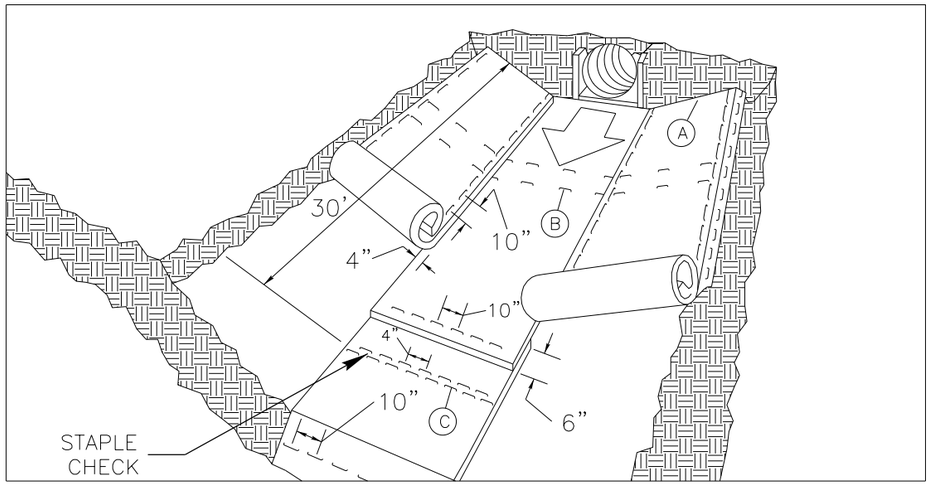
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR
TEMPORARY SILT FENCE

SHEET 4 OF 11
1605.01

PROJECT REFERENCE NO.	SHEET NO.
WBS: 47315.3.1	EC-3B
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATTING INSTALLATION DETAIL



MATTING IN DITCHES

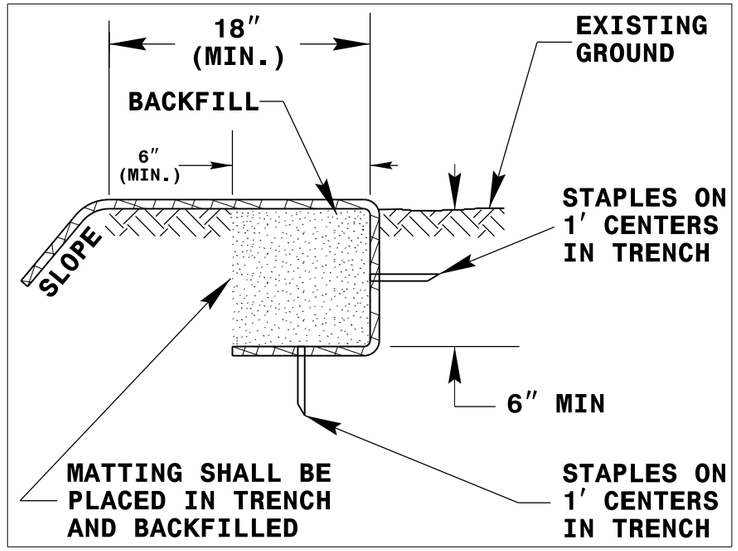
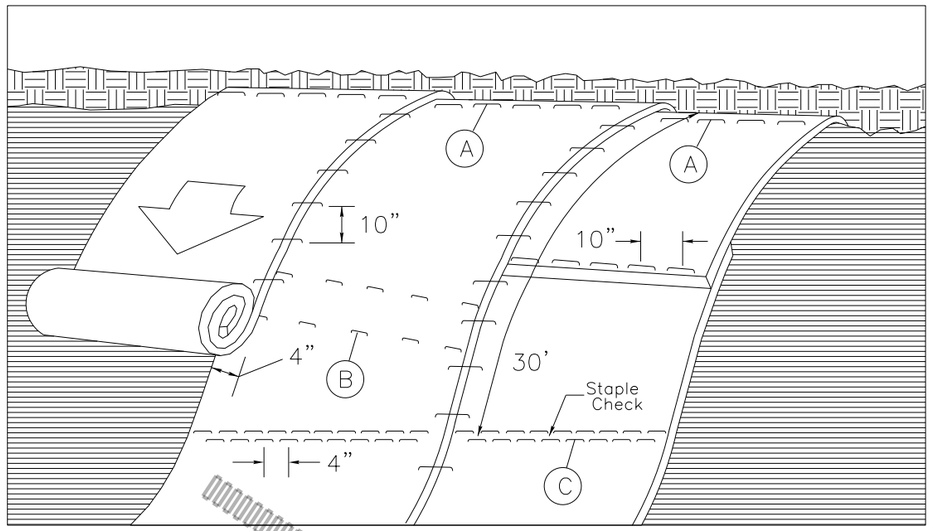


DIAGRAM (A)



MATTING ON SLOPES

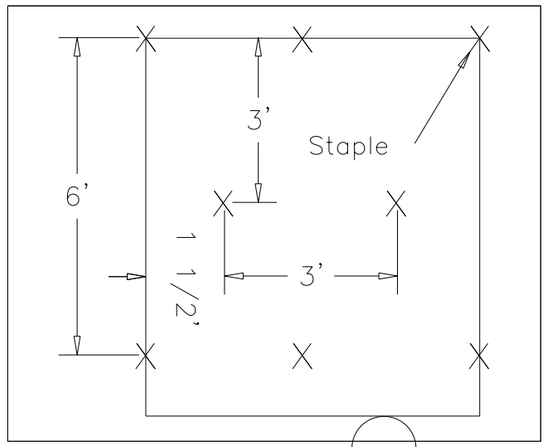


DIAGRAM (B)

Staple Check Pattern

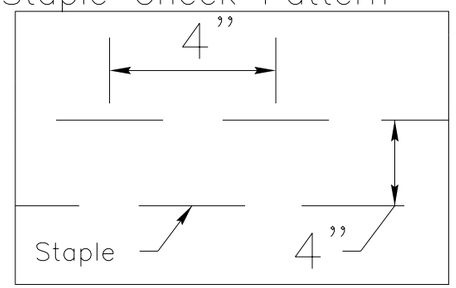


DIAGRAM (C)

NOTES:

THIS DETAIL APPLIES TO STRAW, EXCELSIOR, AND PERMANENT SOIL REINFORCEMENT MAT (PSRM) INSTALLATION.

STAPLES SHALL BE NO. 11 GAUGE STEEL WIRE FORMED INTO A "U" SHAPE WITH A MINIMUM THROAT WIDTH OF 1 INCH AND NOT LESS THAN 6 INCHES IN LENGTH.

NOT TO SCALE

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

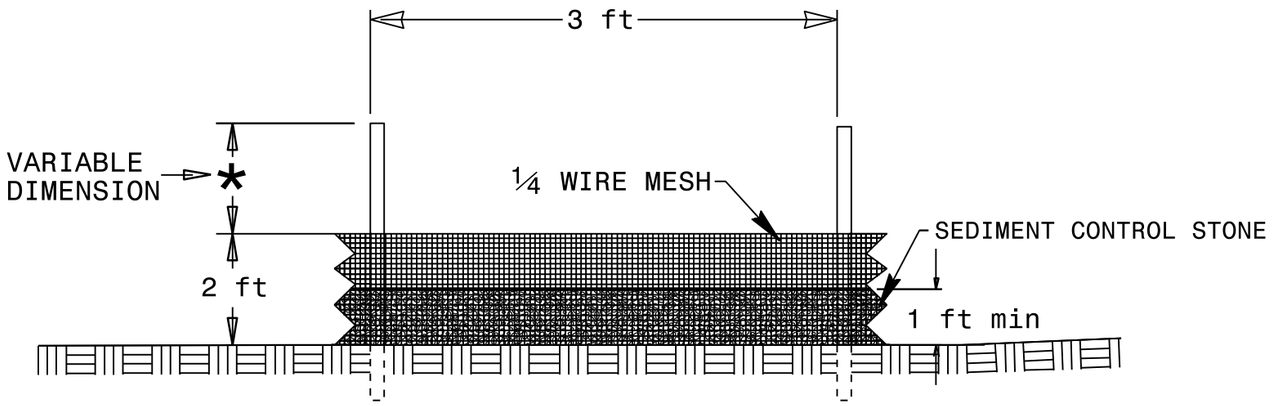
GENERAL NOTES:

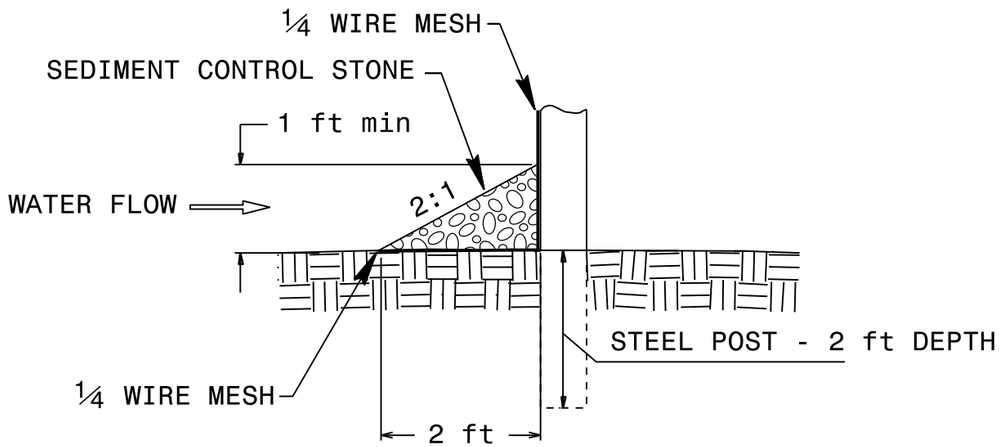
USE NO. 5 OR NO. 57 STONE FOR SEDIMENT CONTROL STONE.

USE HARDWARE CLOTH 24 GAUGE WIRE MESH WITH 1/4 INCH MESH OPENINGS.

INSTALL 5 FT. SELF FASTENER ANGLE STEEL POST 2 FT. DEEP MINIMUM.

SPACE POST A MAXIMUM OF 3 FT.





ENGLISH STANDARD DRAWING FOR

SPECIAL SEDIMENT CONTROL FENCE

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

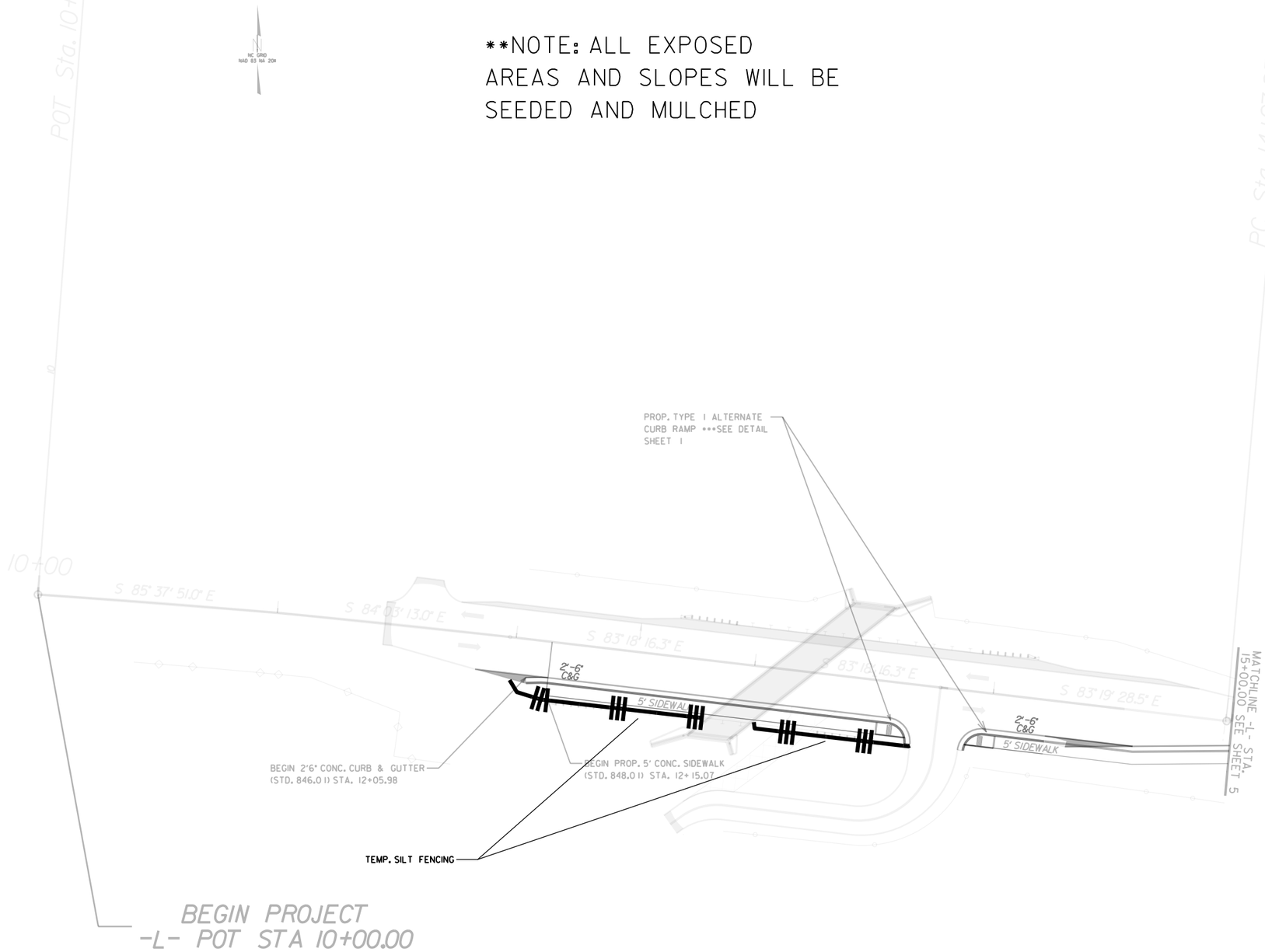
ENGLISH STANDARD DRAWING FOR

SPECIAL SEDIMENT CONTROL FENCE

SHEET 6 OF 11
1606.01

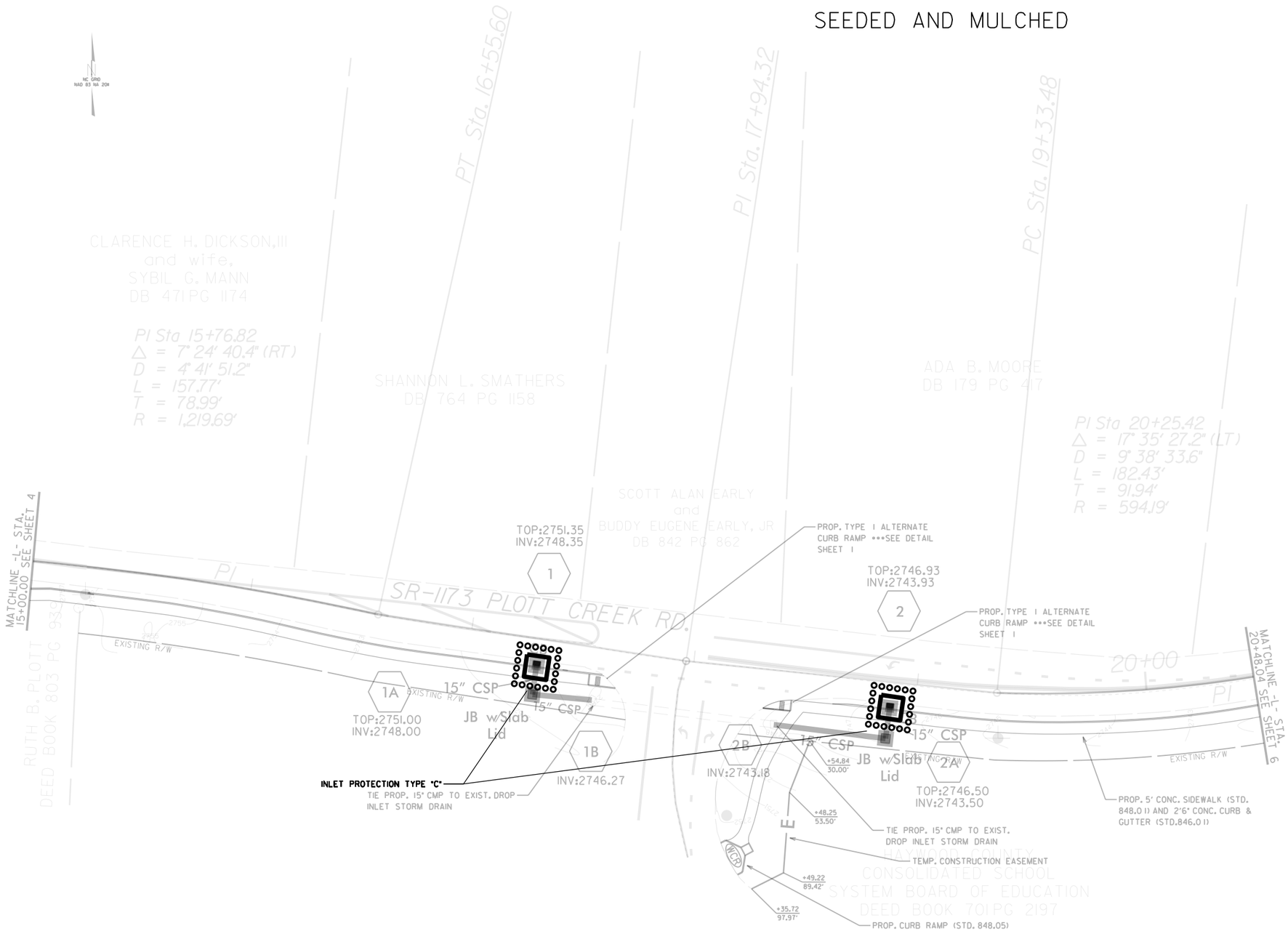
PROJECT REFERENCE NO.	SHEET NO.
WBS: 47315.3.1	EC4

**NOTE: ALL EXPOSED AREAS AND SLOPES WILL BE SEEDED AND MULCHED



PROJECT REFERENCE NO.	SHEET NO.
WBS: 47315.3.1	EC5

**NOTE: ALL EXPOSED AREAS AND SLOPES WILL BE SEEDED AND MULCHED



*NOTE:

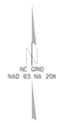
ALL DRAINAGE STRUCTURES AND DRAINAGE PIPE ON THIS PLAN SHEET SUPPLIED BY NCDOT. LABOR AND INSTALLATION TO BE PROVIDED BY CONTRACTOR.

PROJECT REFERENCE NO.	SHEET NO.
WBS: 47315.3.1	EC6

*NOTE:

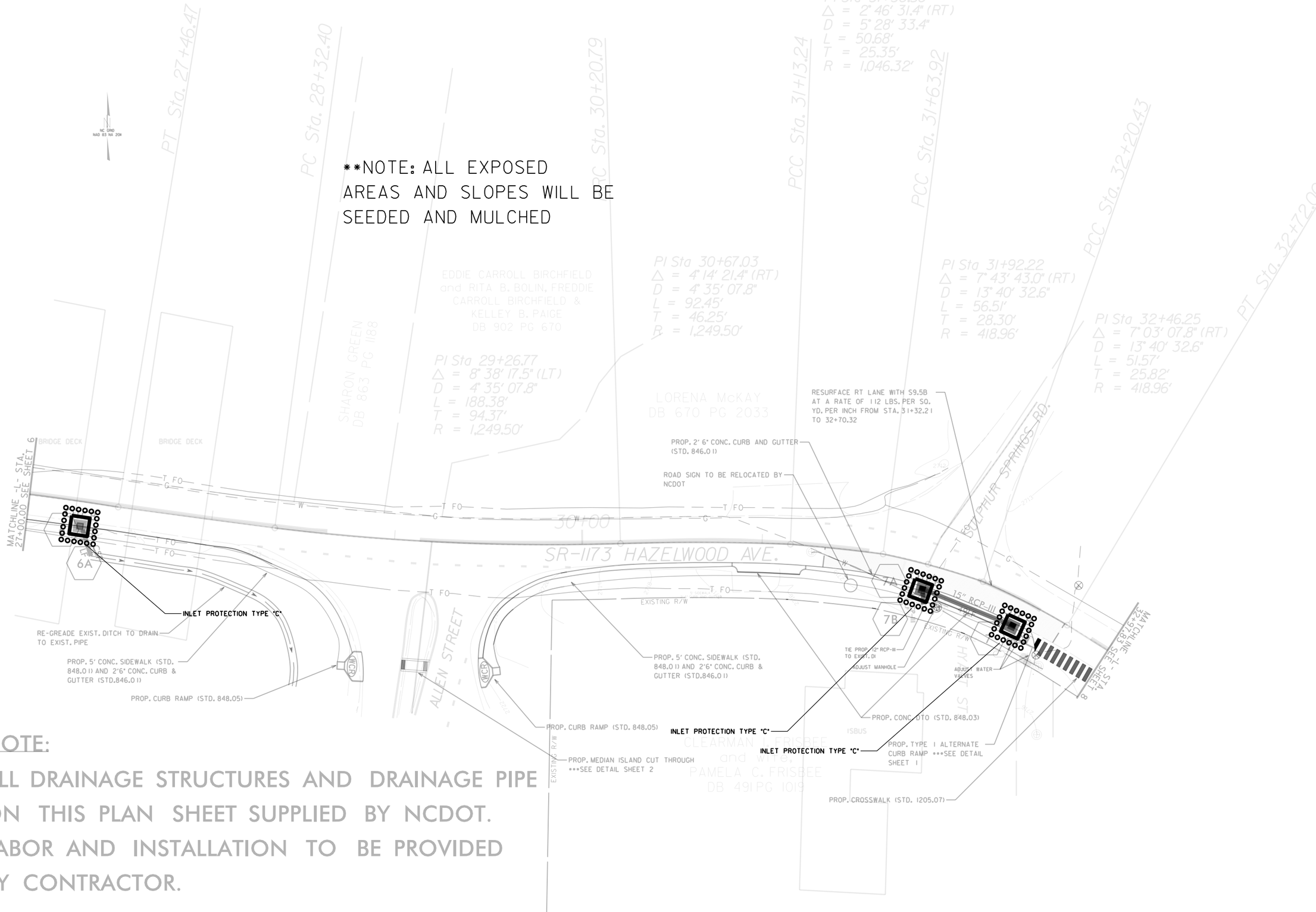
ALL DRAINAGE STRUCTURES AND DRAINAGE PIPE ON THIS PLAN SHEET SUPPLIED BY NCDOT. LABOR AND INSTALLATION TO BE PROVIDED BY CONTRACTOR.

**NOTE: ALL EXPOSED AREAS AND SLOPES WILL BE SEEDED AND MULCHED



PROJECT REFERENCE NO.	SHEET NO.
WBS: 47315.3.1	EC7

**NOTE: ALL EXPOSED AREAS AND SLOPES WILL BE SEEDED AND MULCHED

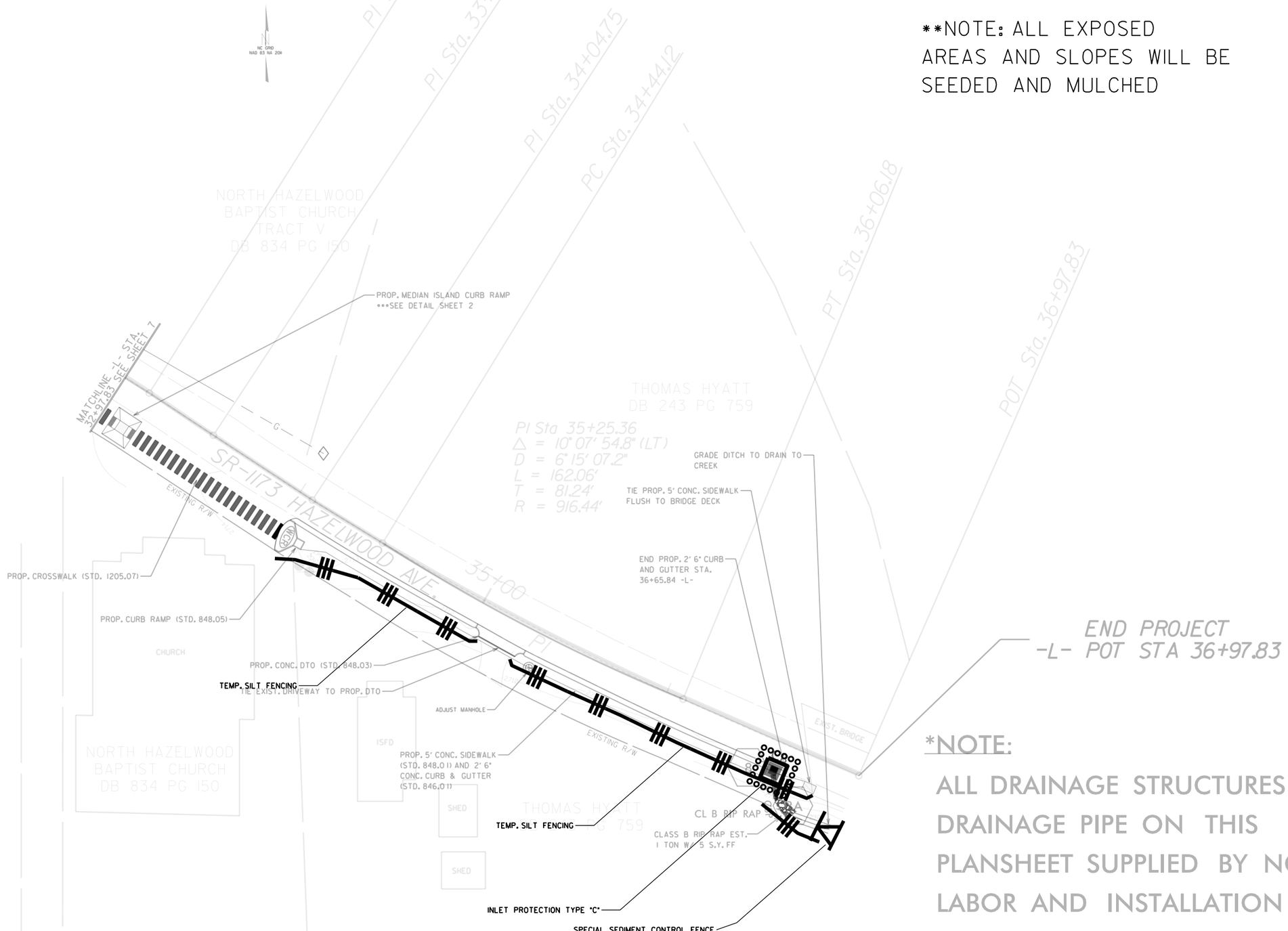


*NOTE:

ALL DRAINAGE STRUCTURES AND DRAINAGE PIPE ON THIS PLAN SHEET SUPPLIED BY NCDOT. LABOR AND INSTALLATION TO BE PROVIDED BY CONTRACTOR.

PROJECT REFERENCE NO.	SHEET NO.
WBS: 47315.3.1	EC8

**NOTE: ALL EXPOSED AREAS AND SLOPES WILL BE SEEDED AND MULCHED



*NOTE:

ALL DRAINAGE STRUCTURES AND DRAINAGE PIPE ON THIS PLANSHEET SUPPLIED BY NCDOT. LABOR AND INSTALLATION TO BE PROVIDED BY CONTRACTOR.