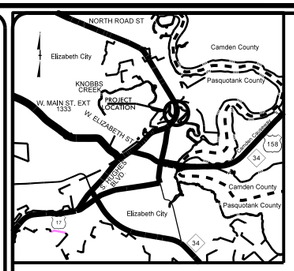
09/08/99

TIP PROJECT: EB–3314C

CONTRACT: DA00308



VICINITY MAP

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PASQUOTANK COUNTY

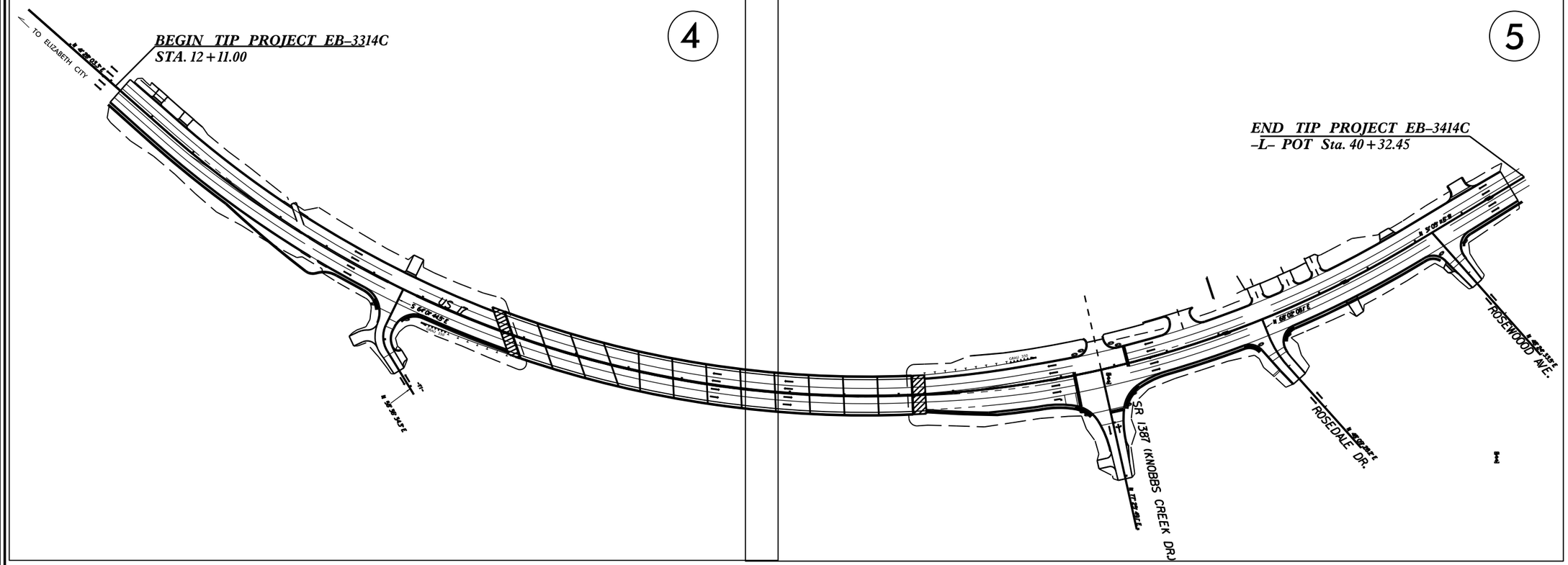
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	EB–3314C	1	

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
33791.3.1	BRSTP–17 (41)	CONST
33935.2.FD	STPEB–0017 (135)	CONST

LOCATION: US 17 FROM NORTH OF ROAD ST. TO NORTH OF ROSEWOOD AVE.

TYPE OF WORK: DRAINAGE, GRADING, CONCRETE SIDEWALK & CURB RAMPS

NC GRID NAD 83/95



GRAPHIC SCALES

25 12.5 0 25 50
PLANS

PROJECT LENGTH

LENGTH OF CONCRETE SIDEWALK = 1,860 LF

TOTAL LENGTH OF ROADWAY PROJECT = 0.534 MILES

Prepared In the Office of:
DIVISION OF HIGHWAYS
113 Airport Dr., Edenton NC, 27932

2012 STANDARD SPECIFICATIONS

LETTING DATE:

W. B. HOBBS, PE
DIVISION PROJECT MANAGER

CHRIS SLACHTA
DIVISION PROPOSAL ENGINEER

DIVISION DESIGN ENGINEER

S. P. FENWICK, PLS

STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION •

05-AUG-2016 11:37
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sfenwick
AT DICAD293661

INDEX OF SHEETS

GENERAL NOTES

SUBSURFACE PLANS:

NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

CURB RAMPS:

CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS. CONSTRUCT ALL CURB RAMPS IN ACCORDANCE WITH DETAIL SHEETS AND STD 848.06.

THE FOLLOWING ROADWAY STANDARDS AS THEY APPEAR IN "THE ROADWAY STANDARD DRAWINGS" ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STANDARD DRAWINGS 2012

STD. NO.	TITLE
	DIVISION 3 - PIPE CULVERTS
300.01	METHOD OF PIPE INSTALLATION
	DIVISION 8 - INCIDENTALS
840.00	CONCRETE BASE PAD FOR DRAINAGE STRUCTURES
840.14	CONCRETE DROP INLET- 12" THRU 30" PIPE
840.16	DROP INLET FRAME AND GRATES- FOR USE WITH STD. DWG 840.14
840.31	CONCRETE JUNCTION BOX- 12" THRU 66" PIPE
840.54	MANHOLE FRAME AND COVER
846.01	CONCRETE CURB, GUTTER, AND CURB & GUTTER
848.01	CONCRETE SIDEWALK
848.06	CONCRETE RAMPS WITH EXISTING CURB & GUTTER

04/06/15

PROJECT REFERENCE NO.	SHEET NO.
EB-3314C	1-B

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

Note: Not to Scale **S.U.E. = Subsurface Utility Engineering*

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
- Existing Historic Property Boundary — HPB
- Known Contamination Area: Soil
- Potential Contamination Area: Soil
- Known Contamination Area: Water
- Potential Contamination Area: Water
- Contaminated Site: Known or Potential

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
- U/G Power Line LOS B (S.U.E.*) — P
- U/G Power Line LOS C (S.U.E.*) — P
- U/G Power Line LOS D (S.U.E.*) — P

TELEPHONE:

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

WATER:

- Water Manhole — W
- Water Meter
- Water Valve
- Water Hydrant
- U/G Water Line LOS B (S.U.E*) — W
- U/G Water Line LOS C (S.U.E*) — W
- U/G Water Line LOS D (S.U.E*) — W
- Above Ground Water Line — A/G Water

TV:

- TV Pedestal — C
- TV Tower
- U/G TV Cable Hand Hole — HH
- U/G TV Cable LOS B (S.U.E.*) — TV
- U/G TV Cable LOS C (S.U.E.*) — TV
- U/G TV Cable LOS D (S.U.E.*) — TV
- U/G Fiber Optic Cable LOS B (S.U.E.*) — TV FO
- U/G Fiber Optic Cable LOS C (S.U.E.*) — TV FO
- U/G Fiber Optic Cable LOS D (S.U.E.*) — TV FO

GAS:

- Gas Valve
- Gas Meter
- U/G Gas Line LOS B (S.U.E.*) — G
- U/G Gas Line LOS C (S.U.E.*) — G
- U/G Gas Line LOS D (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
- SS Forced Main Line LOS B (S.U.E.*) — FSS
- SS Forced Main Line LOS C (S.U.E.*) — FSS
- SS Forced Main Line LOS D (S.U.E.*) — FSS

MISCELLANEOUS:

- Utility Pole
- Utility Pole with Base
- Utility Located Object
- Utility Traffic Signal Box — S
- Utility Unknown U/G Line LOS B (S.U.E.*) — ?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 LOS A (S.U.E.*)
- Abandoned According to Utility Records — AATUR
- End of Information — E.O.I.

PROJECT REFERENCE NO.	SHEET NO.
EB-3314C	2

PAVEMENT SCHEDULE

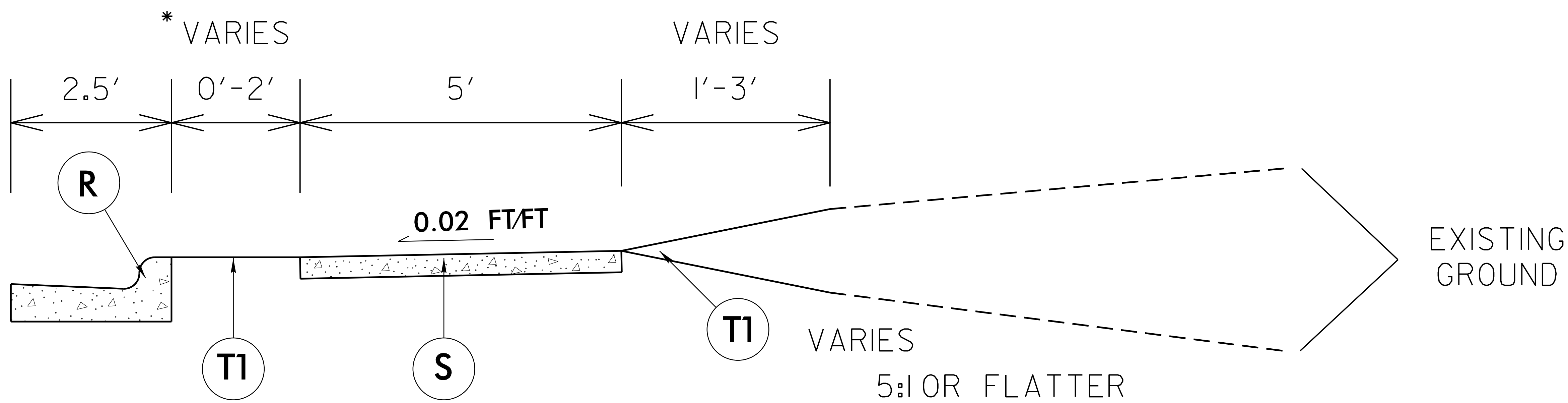
R	2'-6" CONCRETE CURB AND GUTTER
S	PROPOSED 4" CONCRETE SIDEWALK
T1	EARTH MATERIAL

NOTES:

FRONT EDGE OF SIDEWALK SHOULD BE SET 1" HIGHER THAN BACK OF CURB OR AS DIRECTED BY THE ENGINEER.

BACK SLOPES SHOULD TIE INTO NATURAL GROUND AT A 5:1 OR FLATTER OR AS DIRECTED BY THE ENGINEER.

* 2' OFFSET FROM BACK OF CURB IS TYPICAL, BUT IT DOES VARY. SEE PLAN SHEETS FOR LOCATION OR AS DIRECTED BY ENGINEER.



TYPICAL SECTION

NTS

REVISIONS

8/17/99

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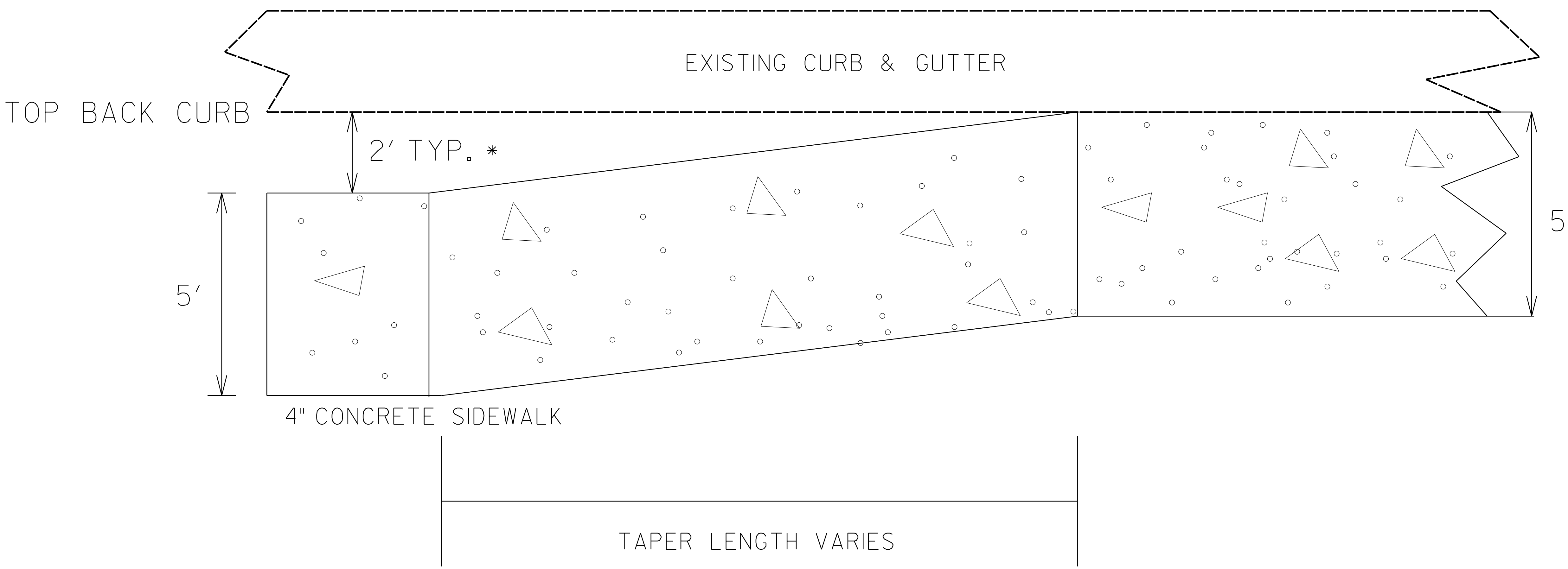
PROJECT REFERENCE NO.	SHEET NO.
EB-3314C	2A

SIDEWALK PLAN DETAIL



* 2′ OFFSET FROM BACK OF CURB IS TYPICAL, BUT IT DOES VARY. SEE PLAN SHEETS FOR LOCATION OR AS DIRECTED BY ENGINEER.

NTS

PROJECT REFERENCE NO.	SHEET NO.
EB-3314C	2B

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.

4/04/06

COMPUTED BY: ________ DATE: ________
CHECKED BY: ________ DATE: ________

PROJECT REFERENCE NO.	SHEET NO.
EB-3314C	3-A

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".

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

STATION	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"–48"	C.S. PIPE 12"–48"	R.C. PIPE (CLASS III) 15"	R.C. PIPE (CLASS III) 18"	R.C. PIPE (CLASS III) 24"	R.C. PIPE (CLASS III) 30"	R.C. PIPE (CLASS III) 36"	R.C. PIPE (CLASS III) 42"	R.C. PIPE (CLASS III) 48"	R.C. PIPE (CLASS IV) 12"–48"	CATCH BASIN	DROP INLET STD 840.14 OR 840.15	G.D.I. FRAME & GRATE STD. 840.16	J.B. STD. 840.31 OR 840.32	M.H. FRAME & COVER STD. 840.54	REMARKS
40+15	LT	(1)																1					REMOVE HEADWALL / RECONSTRUCT CB
40+15 (2)	LT	(1)	(3)										20'						1	1			
40+15 (4)	LT	(3)	(5)										28'								1	1	
40+15 (6)	LT	IN	(5)							8'													
40+15 (7)	LT	(5)	OUT										76'										
TOTALS										8'			124'					1	1	1	1	1	

Other column headings on the form (all empty): SIZE; THICKNESS OR GAUGE; DO NOT USE RCP; DO NOT USE CSP; DO NOT USE CAAP; DO NOT USE HDPE; C.S. pipe gauges .064, .064, .064, .064, .079, .109, .109; *** 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 * TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL 'B') — PER EACH (0' THRU 5.0'), 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.

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

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PROJECT NO.	SHEET NO.	
33791.3.1, ETC.	7	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH MI	WIDTH FT	MOBILIZATION LS	GRADING LS	BORROW EXCAVATION CY	FOUNDATION CONDITION MATERIAL MINOR STRUCTURES TON	FOUNDATION CONDITIONING GEOTEXTILE SY	15" RC PIPE CULV III LF	30" RC PIPE CULV III LF	ASPHALT PLANT MIX PAVEMENT REPAIR TON	MASONRY DRAINAGE STRUCTURES EA	FRAME W/ TWO GRATES 840.16 EA	FRAME W/COVER STD 840.54 EA	2'-6" CONCRETE CURB & GUTTER LF	4" CONCRETE SIDEWALK SY	CONCRETE CURB RAMP EA	ADJ. OF METER OR VALVE BOX EA	SEDIMENT CONTROL STONE TON	MAT FOR EROSION CONTROL SY	1/4" HARDWARE CLOTH LF	COIR FIBER WATTLE LF	POLYACRYLAMIDE (PAM) LB	SEEDING AND MULCHING ACR	TEMP TRAFFIC CONTROL LS
33791.3.1	Pasquotank	1	US 17 BUS	NORTH OF ROAD ST. TO NORTH OF ROSEWOOD AVE.	1	4	MD	0.526	60	1	1	120	2	160	8	124		3	1	1		475			1	200	20	40	3	0.06	1
33935.2.FD3	Pasquotank	2	US 17 BUS	NORTH OF ROAD ST. TO NORTH OF ROSEWOOD AVE.	2	4	M2	0.526	60	*							10				28	525	10	5						0.23	*
GRAND TOTAL								**0.526**		**1**	**1**	**120**	**2**	**160**	**8**	**124**	**10**	**3**	**1**	**1**	**28**	**1,000**	**10**	**5**	**1**	**200**	**20**	**40**	**3**	**0.29**	**1**

PROJECT REFERENCE NO.	SHEET NO.
EB-3314C	4

-L-
PI Sta 27+60.68
Δ = 72° 33' 14.9" (LT)
D = 2° 57' 12.2"
L = 2,456.64'
T = 1,423.88'
R = 1,940.00'
RO = 140' (PC)
SE = 0.035 ft/ft
V = 50 mph

-Y1-
PI Sta 10+99.76
Δ = 57° 21' 41.3" (LT)
D = 114° 35' 29.6"
L = 50.06'
T = 27.35'
R = 50.00'

NAD 83/95

-L- POT Sta. 10+00.00

N 41° 28' 03.5" E

BEGIN TIP PROJECT EB-3314C
STA. 12+11.00

BEGIN CONCRETE
SIDEWALK STA. 12+11.00

-L- PC Sta. 13+36.80

-L- POC Sta. 18+61.51
-Y1- POT Sta. 10+00.00

MATCHLINE -L- STA. 25+50.00
SEE SHEET 5

1 PC ENTERPRISE LLC
DB 743 PG 521

2 GRAVEL PARKING
ROBERT SAWYER
DB 580 PG 318

3 CITY OF ELIZABETH CITY
DB 282 PG 183

4 M.C.BREWER & MARK E. SIMMONS
DB 802 PG 934

5 LI-SCI TECK INC
DB 861 PG 497

6Z W.W. OWENS & SONS MOVING & STORAGE
DB 449 PG 24
DB 497 PG 476
MB 12 PG 32

7 ELIZABETH CITY BRICK CO
DB 202 PG 102

9 GLENN & TONYA SPEIGHT
DB 1078 PG 461

11 THE NEIL JEANETTE LIVING TRUST
DB 677 PG 317

12 MENEFEE PROPERTIES, L.P.
DB 686 PG 364
DB 575 PG 505

VEPCO
DB 355 PG 491
DB 355 PG 356

DOUBLE O THREE ENTERPRISE

W.W. OWENS & SONS MOVING & STORAGE, INC
DB 449 PG 24
DB 497 PG 476
MB 12 PG 32

POWERLINE EASEMENT

WOODS

KNOBBS CREEK

US 17 (N.BROAD ST.)

PLACE TRUNCATED DOMES

MATCH CONCRETE SIDEWALK AT BOC

BEGIN W.W. FENCE

END W.W. FENCE
-L- STA. 21+92.94
(123.41' RT)

LOWEST SEAT ELEV. = 1.01' SOUTH BOUND LANE

REVISIONS

8/17/99

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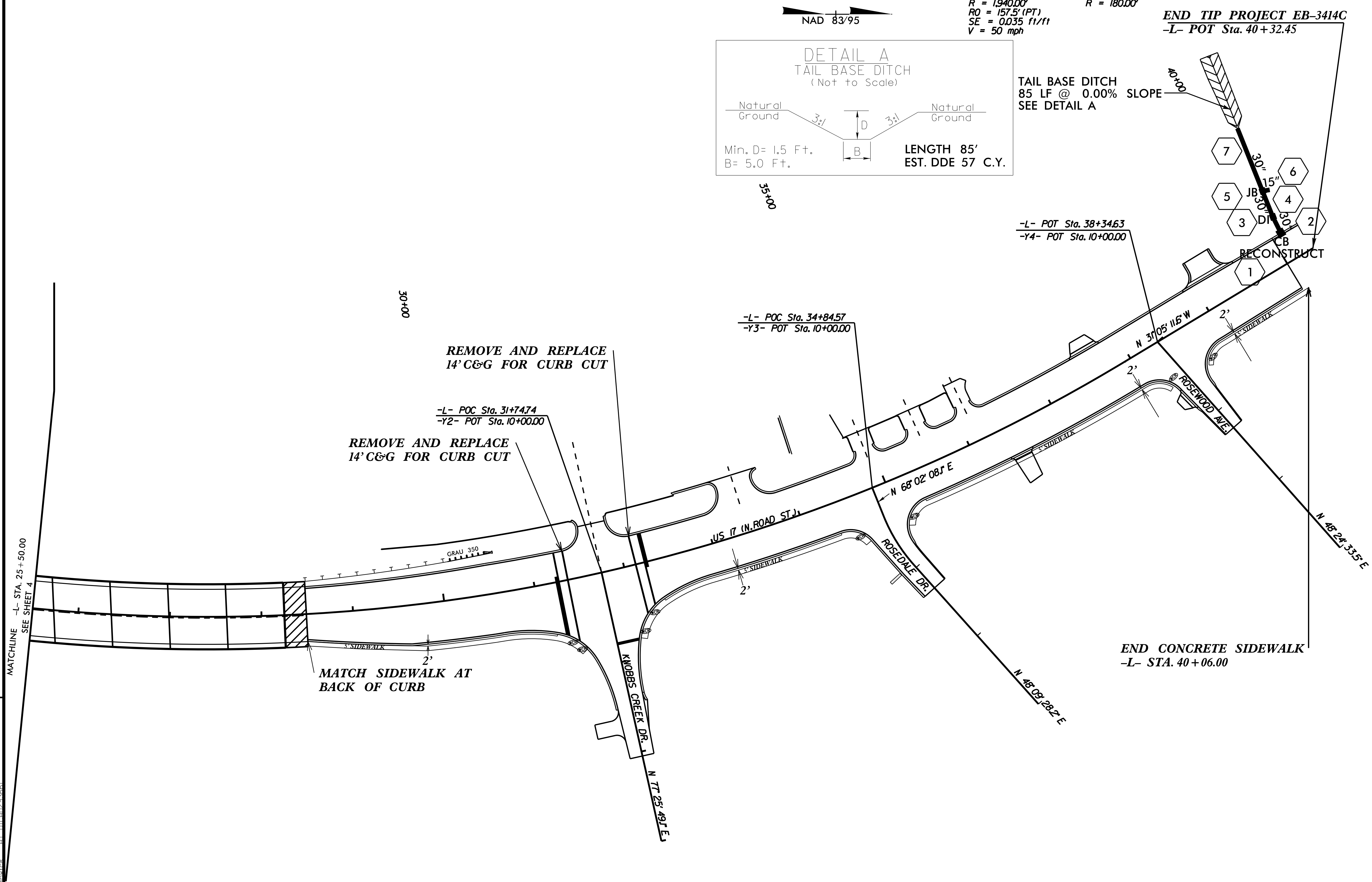
PROJECT REFERENCE NO.	SHEET NO.
EB-3314C	5

-L-	-Y2-
PI Sta 27+60.68	PI Sta 10+65.38
Δ = 72° 33' 14.9" (LT)	Δ = 19° 52' 39.9" (LT)
D = 2° 57' 12.2"	D = 31° 49' 51.6"
L = 2,456.64'	L = 62.45'
T = 1,423.88'	T = 31.54'
R = 1,940.00'	R = 180.00'
RO = 157.5' (PT)	
SE = 0.035 ft/ft	
V = 50 mph	



NAD 83/95
DETAIL A
TAIL BASE DITCH
(Not to Scale)
Natural Ground
Natural Ground
3:1
3:1
D
B
Min. D= 1.5 Ft.
B= 5.0 Ft.
LENGTH 85'
EST. DDE 57 C.Y.
TAIL BASE DITCH
85 LF @ 0.00% SLOPE
SEE DETAIL A
END TIP PROJECT EB-3414C
-L- POT Sta. 40+32.45
40+00
35+00
30+00
30"
15"
30"
30"
JB
DI
CB
RECONSTRUCT
-L- POT Sta. 38+34.63
-Y4- POT Sta. 10+00.00
-L- POC Sta. 34+84.57
-Y3- POT Sta. 10+00.00
REMOVE AND REPLACE
14' C&G FOR CURB CUT
-L- POC Sta. 31+74.74
-Y2- POT Sta. 10+00.00
REMOVE AND REPLACE
14' C&G FOR CURB CUT
N 31° 05' 11.6" W
N 68° 02' 08.1" E
US 17 (N. ROAD ST.)
ROSEWOOD AVE.
ROSEDALE DR.
KNOBBS CREEK DR.
N 48° 24' 33.5" E
N 48° 09' 28.2" E
N 77° 25' 49.1" E
5' SIDEWALK
2'
GRAU 350
MATCHLINE -L- STA. 25+50.00
SEE SHEET 4
MATCH SIDEWALK AT
BACK OF CURB
END CONCRETE SIDEWALK
-L- STA. 40+06.00

REVISIONS

8/17/99

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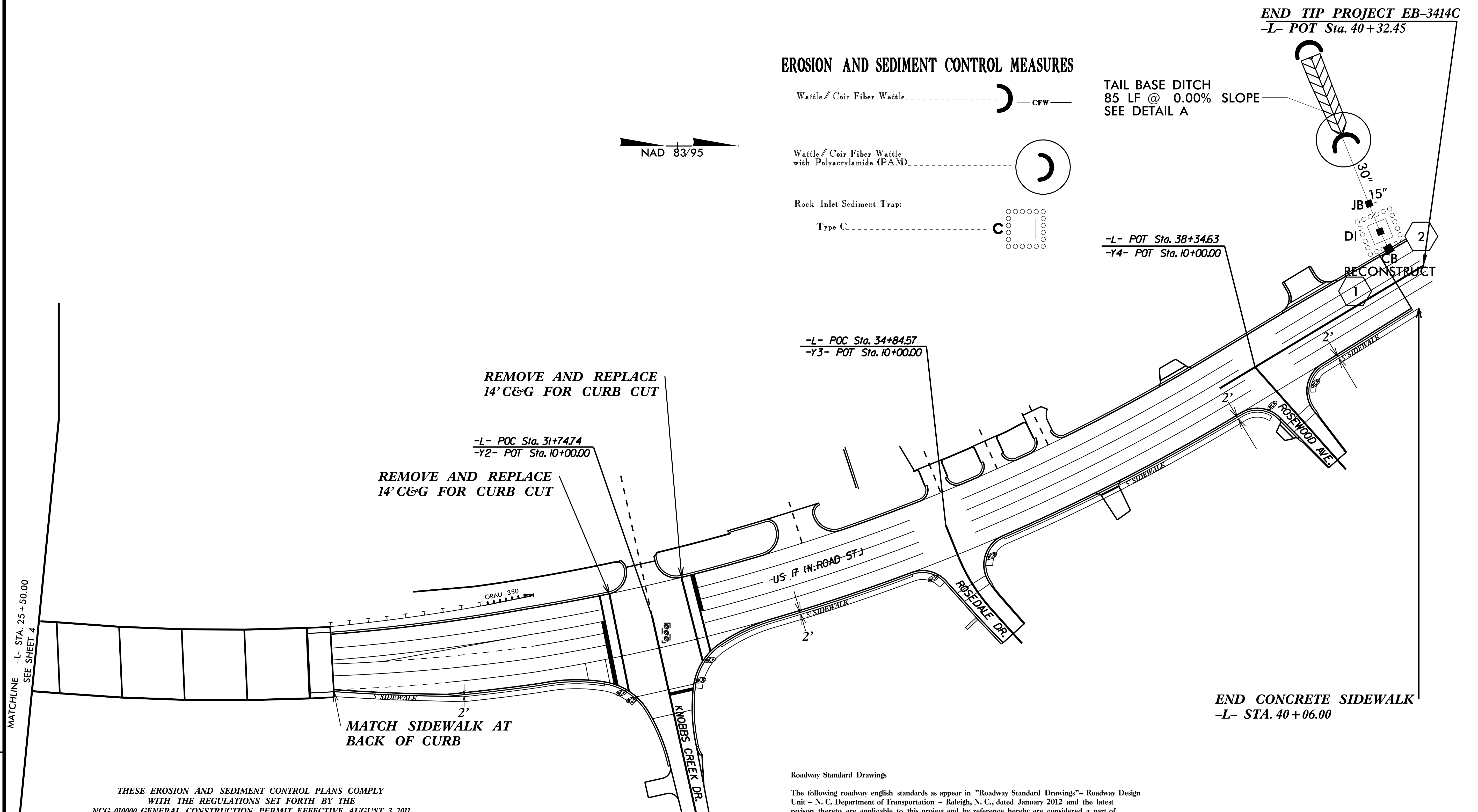
PROJECT REFERENCE NO.	SHEET NO.
EB-3314C	EC1

EROSION CONTROL PLAN



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.

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.

1631.01 Matting Installation
1632.03 Rock Inlet Sediment Trap Type C
1633.02 Temporary Rock Silt Check Type B

SCOTT FENWICK
LEVEL IIIA NAME

3795
LEVEL IIIA CERTIFICATION NO.

8/17/99

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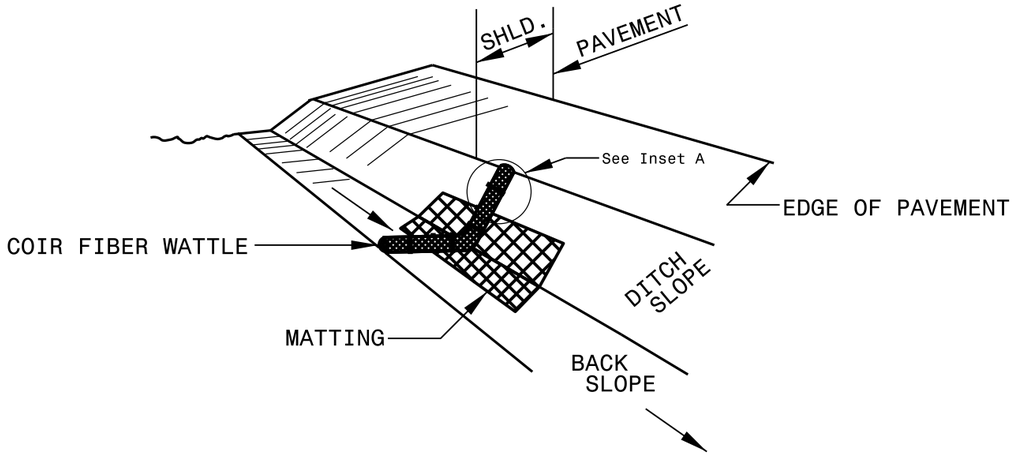
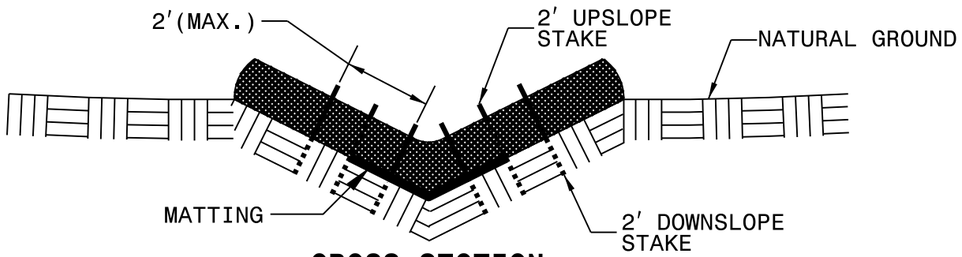
PROJECT REFERENCE NO.	SHEET NO.
EB-3314C	EC-2
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

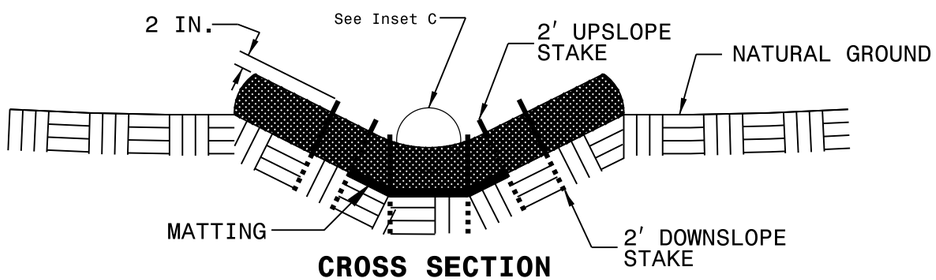
COIR FIBER WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL



ISOMETRIC VIEW



CROSS SECTION VEE DITCH



CROSS SECTION TRAPEZOIDAL DITCH

NOTES:

USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

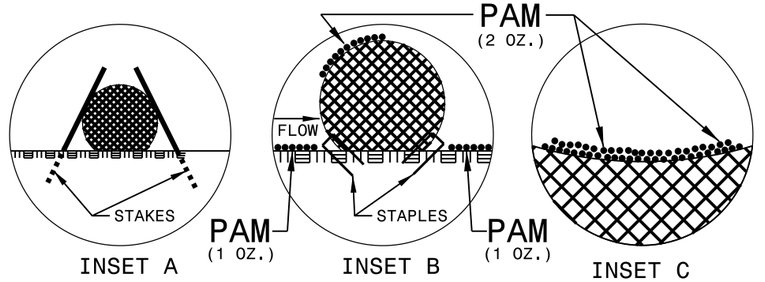
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12″ IN LENGTH.

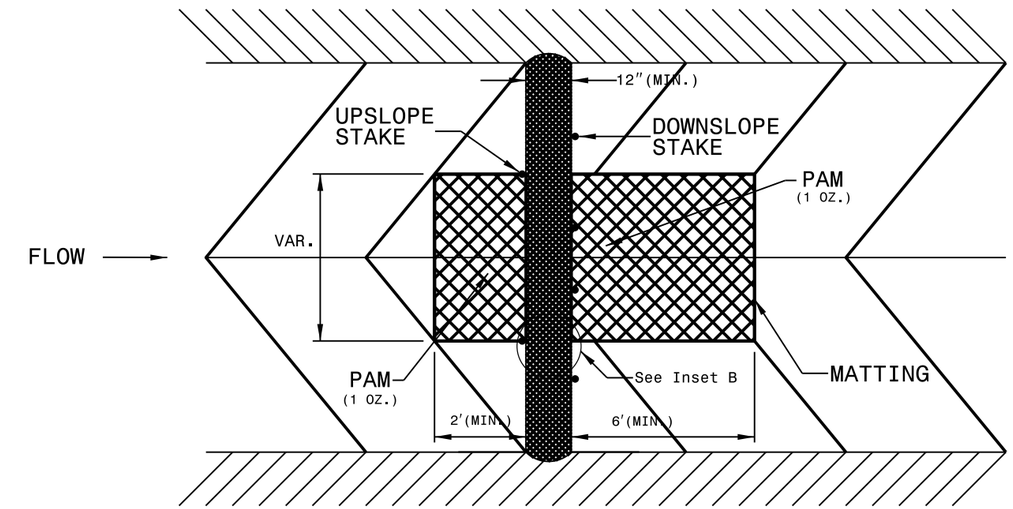
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.

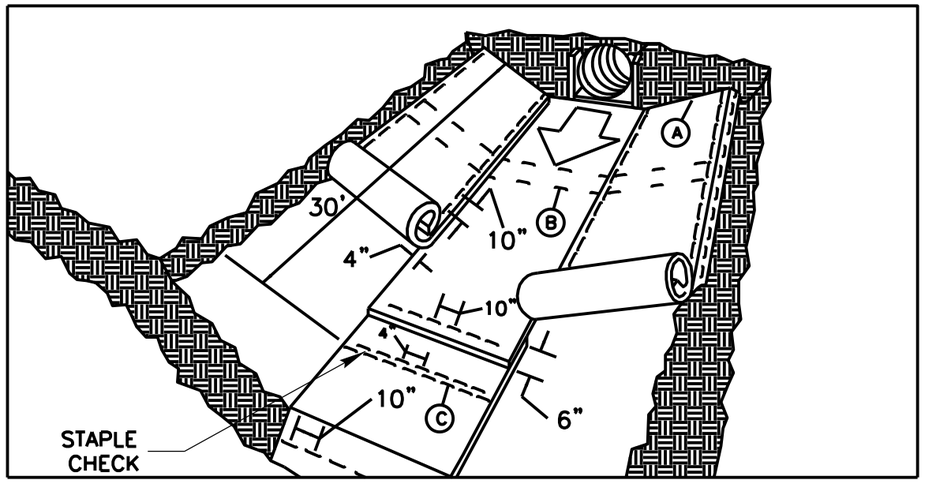




TOP VIEW

PROJECT REFERENCE NO.	SHEET NO.
EB-3314C	EC-3
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATTING INSTALLATION DETAIL



MATTING IN DITCHES

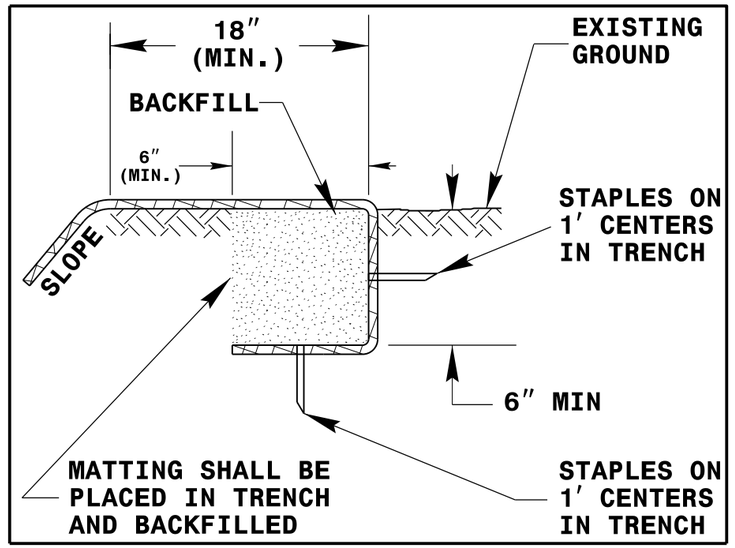
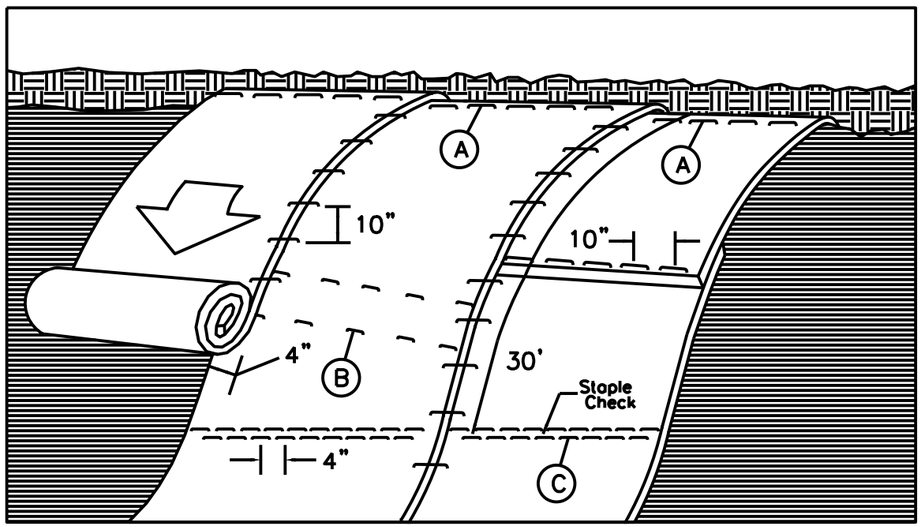


DIAGRAM (A)



MATTING ON SLOPES

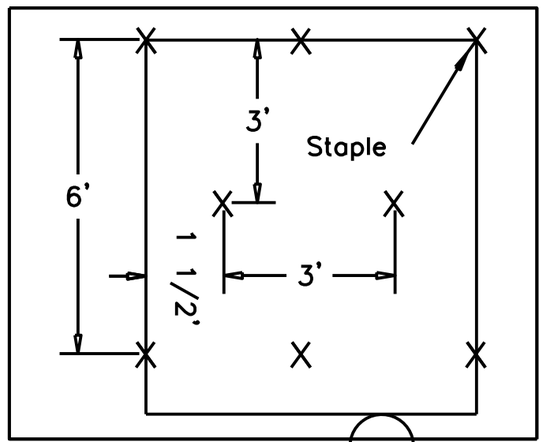


DIAGRAM (B)

Staple Check Pattern

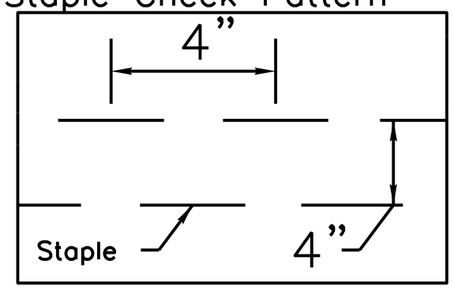


DIAGRAM (C)

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