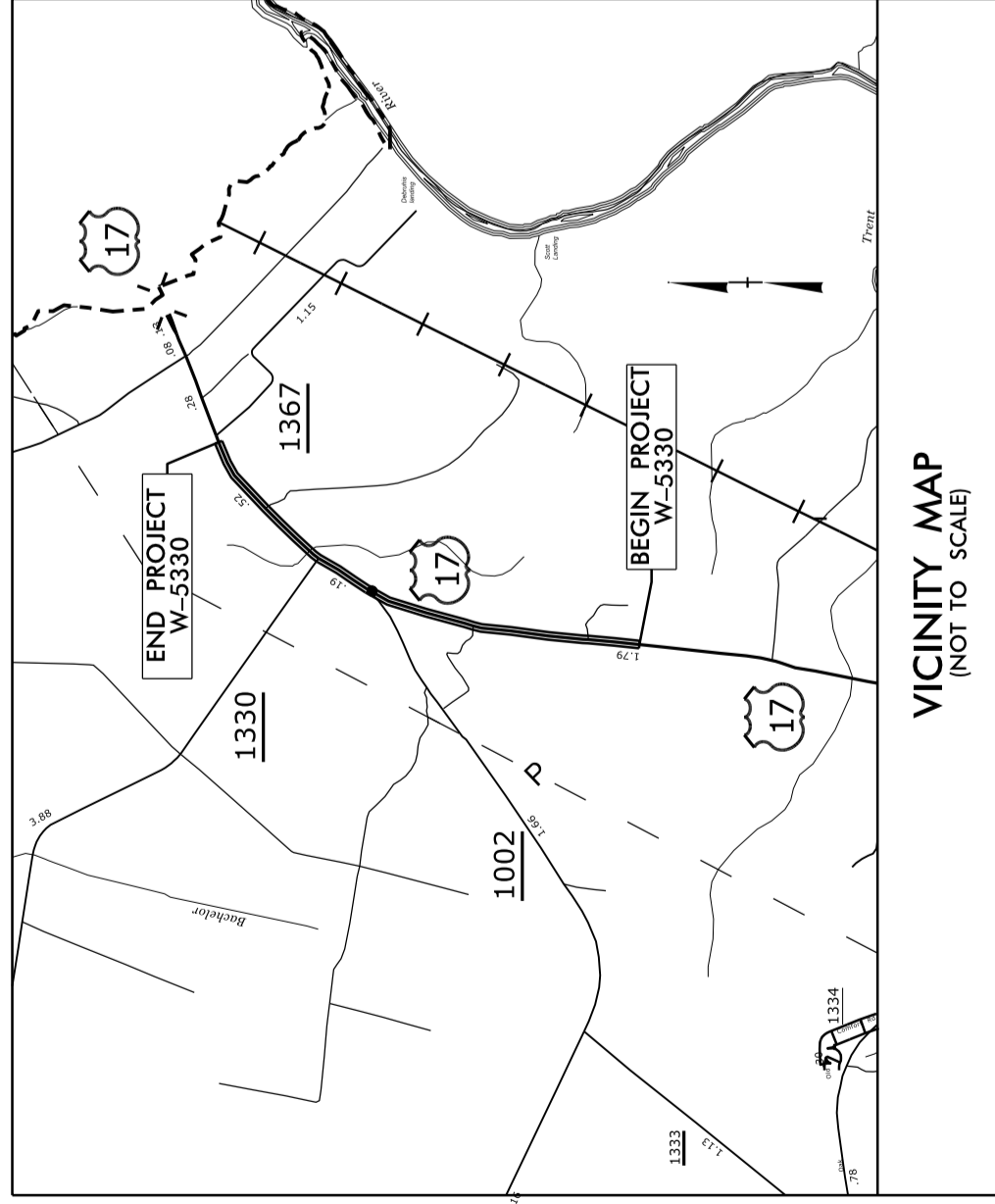


See Sheet 1-A For Index of Sheets



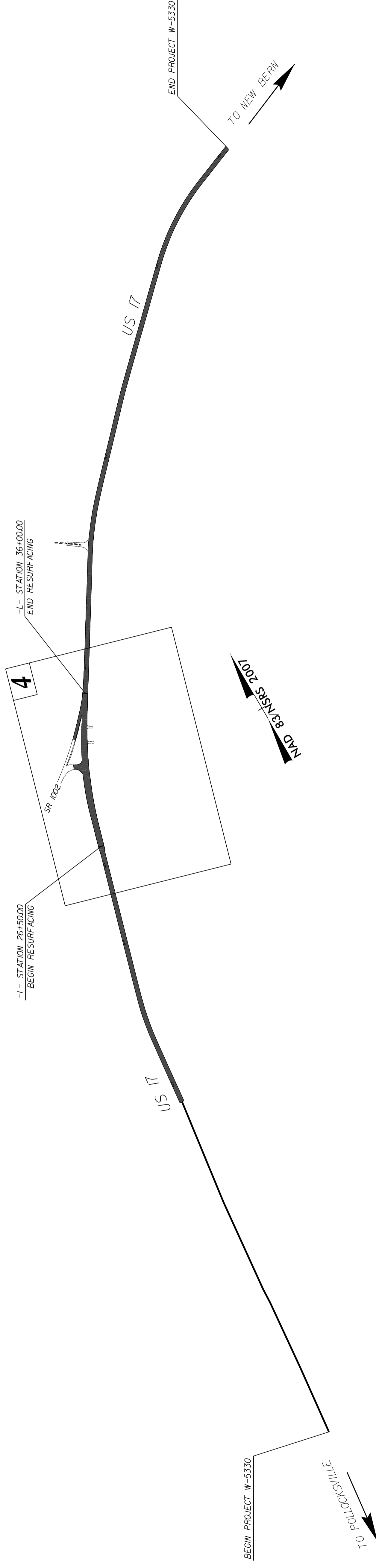
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

# JONES COUNTY

**LOCATION: US 17 FROM 0.83 MILE SOUTH OF SR 1002 (TEN MILE FORK RD), NORTHWARD FOR 1.5 MILES TO JUST SOUTH OF SR 1367 (TRENT FARM RD)**

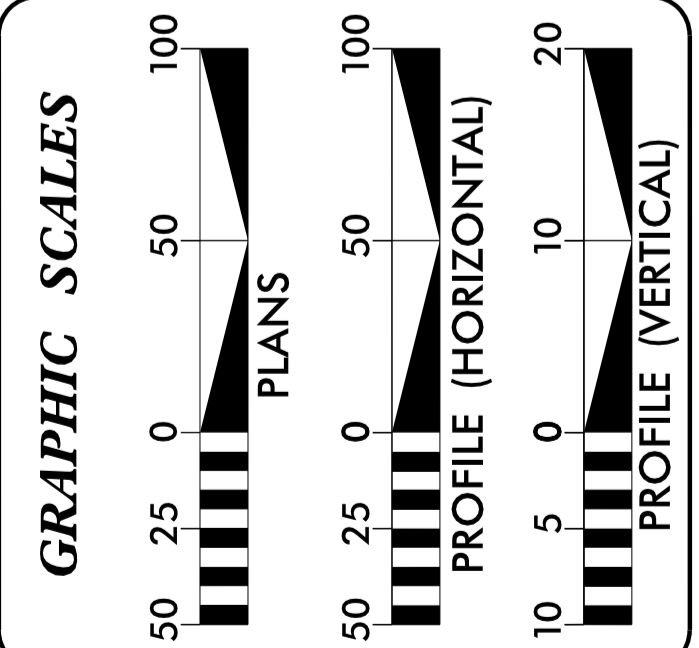
**TYPE OF WORK: IMPROVE SUPERELEVATION, PAVING, GRADING, DRAINAGE, THERMOPLASTIC PAVEMENT MARKINGS, RUMBLE STRIPS AND SNOWPLOWABLE MARKERS**

STATE	N.C.	STATE PROJECT REFERENCE NO.	W-5330	SHEET NO.	1	TOTAL SHEETS	
STATE PROJ. NO.	45422.1.1	F.A. PROJ. NO.		DESCRIPTION	PE		



**TIP PROJECT: W-5330**

**CONTRACT:**



**PROJECT LENGTH**

LENGTH ROADWAY TIP PROJECT W-5330 = 1.50 MILES  
TOTAL LENGTH TIP PROJECT W-5330 = 1.50 MILES

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
1000 Birch Ridge Dr., Raleigh, NC, 27610

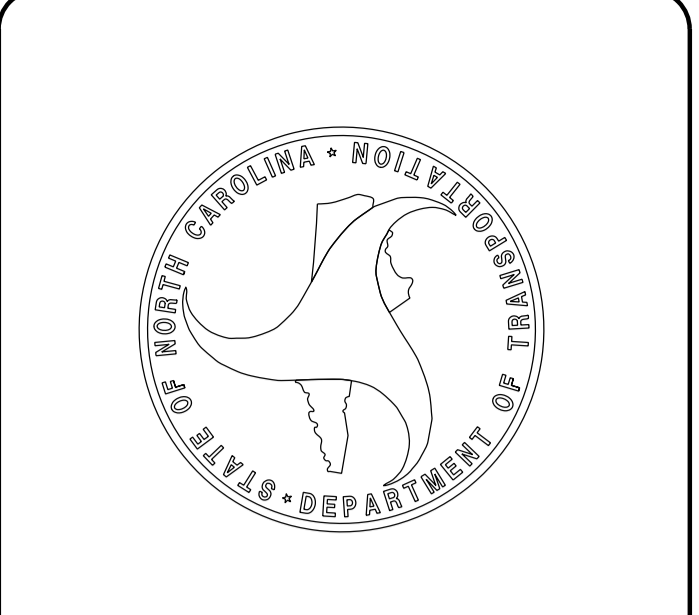
2012 STANDARD SPECIFICATIONS

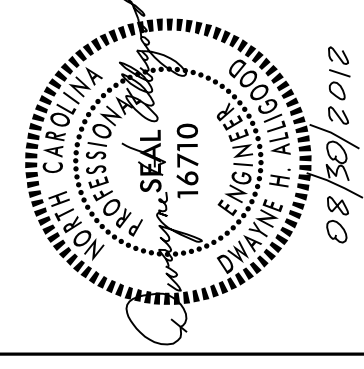
**RIGHT OF WAY DATE:** DWAYNE ALLIGOOD  
PROJECT ENGINEER

**LETTING DATE:** LANG JONES  
PROJECT DESIGN ENGINEER  
SEPTEMBER 2012

**HYDRAULICS ENGINEER**  
DWAYNE H. ALLIGOOD, P.E.  
PROFESSIONAL SEAL 16710  
SIGNATURE: [Signature] DATE: 08/30/2012

**ROADWAY DESIGN ENGINEER**  
DWAYNE H. ALLIGOOD, P.E.  
PROFESSIONAL SEAL 16710  
SIGNATURE: [Signature] DATE: 08/30/2012





2012 ROADWAY ENGLISH 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, 2012 are applicable to this project and by reference hereby are considered a part of these plans:

STD. NO.	TITLE
DIVISION 2	- EARTHWORK
200.02	Method of Clearing - Method II
225.02	Guide for Grading Subgrade - Interstate and Freeway
225.04	Method of Obtaining Superlevation - Two Lane Pavement
DIVISION 5	- SUBGRADE, BASES AND SHOULDERS
560.01	Method of Shoulder Construction - High Side of Superelevated Curve - Method I
DIVISION 6	- ASPHALT BASES AND PAVEMENTS
665.01	Asphalt Shoulders - Milled Rumble Strips

GENERAL NOTES:  
 2012 SPECIFICATIONS  
 EFFECTIVE: 01-17-12  
 REVISED: 11/01/11

GRADE LINE:  
 RESURFACING AND WIDENING:  
 THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS, WHERE NO GRADE LINES ARE SHOWN, THE PROFILES SHOWN DENOTE THE TOP ELEVATION OF THE EXISTING PAVEMENT ALONG THE CENTER LINE OF SURVEY ON WHICH THE PROPOSED RESURFACING WILL BE PLACED. GRADE LINES MAY BE ADJUSTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

CLEARING:  
 CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II.

SUPERELEVATION:  
 ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD. NO. 225.04 USING THE RATE OF SUPERELEVATION AND RUNOFF SHOWN ON THE PLANS. SUPERELEVATION IS TO BE REVOLVED ABOUT THE GRADE POINTS SHOWN ON THE TYPICAL SECTIONS.

SHOULDER CONSTRUCTION:  
 ASPHALT, EARTH, AND CONCRETE SHOULDER CONSTRUCTION ON THE HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.01.

INDEX OF SHEETS

1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, STANDARD DRAWINGS
1B	CONVENTIONAL SYMBOLS
2	TYPICAL SECTIONS
3	SUMMARY OF QUANTITIES
4	PLAN AND PROFILE SHEET
EC1-EC3	EROSION CONTROL SHEETS
X1A	CROSS-SECTION SUMMARY
X1-X2	CROSS-SECTIONS

Note: Not to Scale

\*S.U.E. = Subsurface Utility Engineering


STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.  
W-5330

SHEET NO.  
1/B

# 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 \_\_\_\_\_  
 Parcel/Sequence Number \_\_\_\_\_  
 Existing Fence Line \_\_\_\_\_  
 Proposed Woven Wire Fence \_\_\_\_\_  
 Proposed Chain Link Fence \_\_\_\_\_  
 Proposed Barbed Wire Fence \_\_\_\_\_  
 Existing Wetland Boundary \_\_\_\_\_  
 Proposed Wetland Boundary \_\_\_\_\_  
 Existing Endangered Animal Boundary \_\_\_\_\_  
 Existing Endangered Plant Boundary \_\_\_\_\_

## BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or UG 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 \_\_\_\_\_  
 Buffer Zone 1 \_\_\_\_\_  
 Buffer Zone 2 \_\_\_\_\_  
 Flow Arrow \_\_\_\_\_  
 Disappearing Stream \_\_\_\_\_  
 Spring \_\_\_\_\_  
 Wetland \_\_\_\_\_  
 Wetland Boundary \_\_\_\_\_  
 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 Marker \_\_\_\_\_  
 Existing Control of Access \_\_\_\_\_  
 Proposed Control of Access \_\_\_\_\_  
 Existing Easement Line \_\_\_\_\_  
 Proposed Temporary Construction Easement \_\_\_\_\_  
 Proposed Temporary Drainage Easement \_\_\_\_\_  
 Proposed Permanent Drainage Easement \_\_\_\_\_  
 Proposed Permanent Utility Easement \_\_\_\_\_  
 Proposed Temporary Utility Easement \_\_\_\_\_  
 Proposed Permanent Easement with Iron Pin and Cap Marker \_\_\_\_\_

## ROADS AND RELATED FEATURES:

Existing Edge of Pavement \_\_\_\_\_  
 Existing Curb \_\_\_\_\_  
 Proposed Slope Stakes Cut \_\_\_\_\_  
 Proposed Slope Stakes Fill \_\_\_\_\_  
 Proposed Curb Ramp \_\_\_\_\_  
 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 \_\_\_\_\_

## WATER:

Water Manhole \_\_\_\_\_  
 Water Meter \_\_\_\_\_  
 Water Valve \_\_\_\_\_  
 Water Hydrant \_\_\_\_\_  
 Recorded UG Water Line \_\_\_\_\_  
 Designated UG Water Line (S.U.E.\*) \_\_\_\_\_  
 Above Ground Water Line \_\_\_\_\_  
 A/G Water \_\_\_\_\_

## 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 \_\_\_\_\_  
 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 \_\_\_\_\_  
 UG Power Cable Hand Hole \_\_\_\_\_  
 H-Frame Pole \_\_\_\_\_  
 Recorded UG Power Line \_\_\_\_\_  
 Designated UG Power Line (S.U.E.\*) \_\_\_\_\_

## TELEPHONE:

Existing Telephone Pole \_\_\_\_\_  
 Proposed Telephone Pole \_\_\_\_\_  
 Telephone Manhole \_\_\_\_\_  
 Telephone Booth \_\_\_\_\_  
 Telephone Pedestal \_\_\_\_\_  
 Telephone Cell Tower \_\_\_\_\_  
 UG Telephone Cable Hand Hole \_\_\_\_\_  
 Recorded UG Telephone Cable \_\_\_\_\_  
 Designated UG Telephone Cable (S.U.E.\*) \_\_\_\_\_  
 Recorded UG Telephone Conduit \_\_\_\_\_  
 Designated UG Telephone Conduit (S.U.E.\*) \_\_\_\_\_  
 Recorded UG Fiber Optics Cable \_\_\_\_\_  
 Designated UG Fiber Optics Cable (S.U.E.\*) \_\_\_\_\_

## SANITARY SEWER:

Sanitary Sewer Manhole \_\_\_\_\_  
 Sanitary Sewer Cleanout \_\_\_\_\_  
 UG Sanitary Sewer Line \_\_\_\_\_  
 Above Ground Sanitary Sewer \_\_\_\_\_  
 Recorded SS Forced Main Line \_\_\_\_\_  
 Designated SS Forced Main Line (S.U.E.\*) \_\_\_\_\_

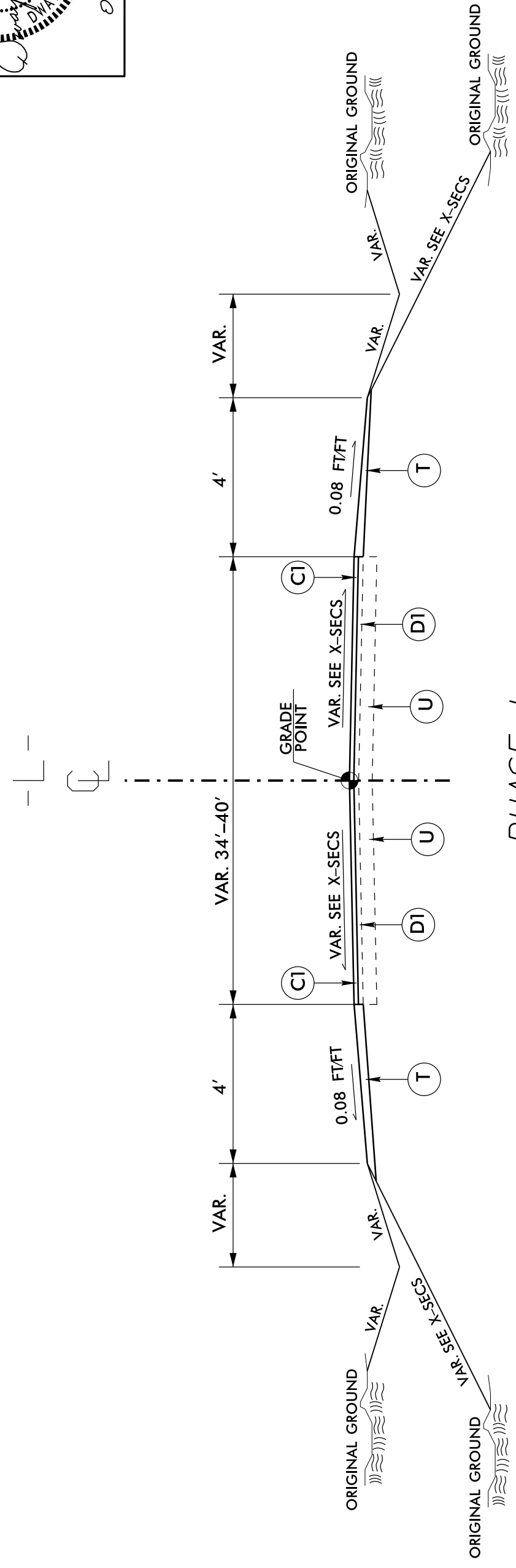
## MISCELLANEOUS:

Utility Pole \_\_\_\_\_  
 Utility Pole with Base \_\_\_\_\_  
 Utility Located Object \_\_\_\_\_  
 Utility Traffic Signal Box \_\_\_\_\_  
 Utility Unknown UG Line \_\_\_\_\_  
 UG Tank; Water, Gas, Oil \_\_\_\_\_  
 AG Tank; Water, Gas, Oil \_\_\_\_\_  
 UG Test Hole (S.U.E.\*) \_\_\_\_\_  
 Abandoned According to Utility Records \_\_\_\_\_  
 End of Information \_\_\_\_\_  
 AATUR \_\_\_\_\_  
 E.O.I. \_\_\_\_\_

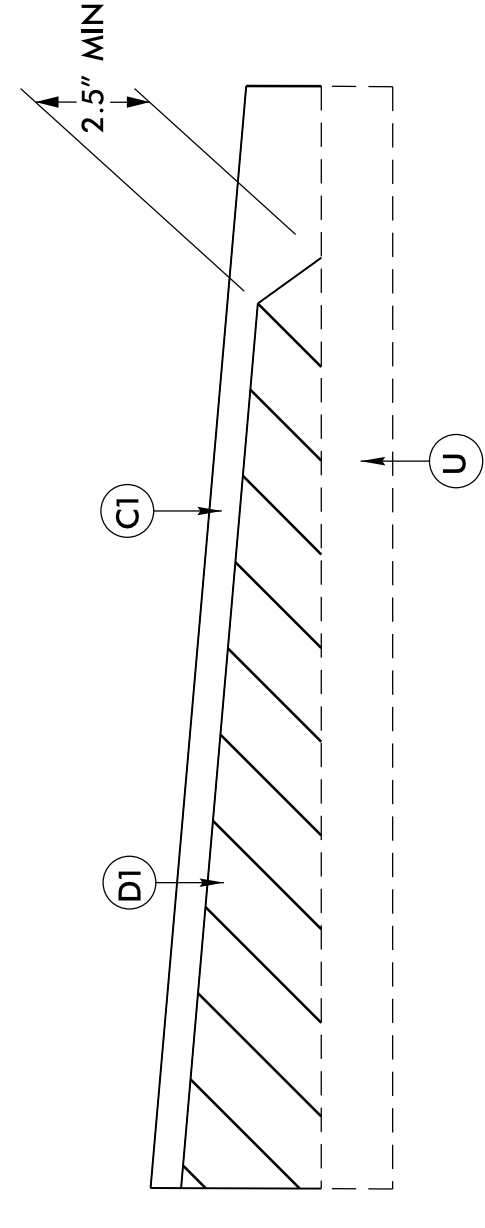
PROJECT REFERENCE NO. W-5330	SHEET NO. 2
RDW SHEET NO. ROADWAY DESIGN ENGINEER SEAL 16710 08/29/2012	HYDRAULICS ENGINEER SEAL 16710 08/29/2012

<b>B1</b>	PROP. APPROX. 1" OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1, AT AN AVERAGE RATE OF 70 LBS. PER SQ.YD.
<b>C1</b>	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
<b>D1</b>	PROPOSED VARIABLE DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH.
<b>T</b>	EARTH MATERIAL.
<b>U</b>	EXISTING PAVEMENT.

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



PHASE 1  
USE TYPICAL SECTION #1 (NTS)  
-L- 26+50.00 - 36+00.00



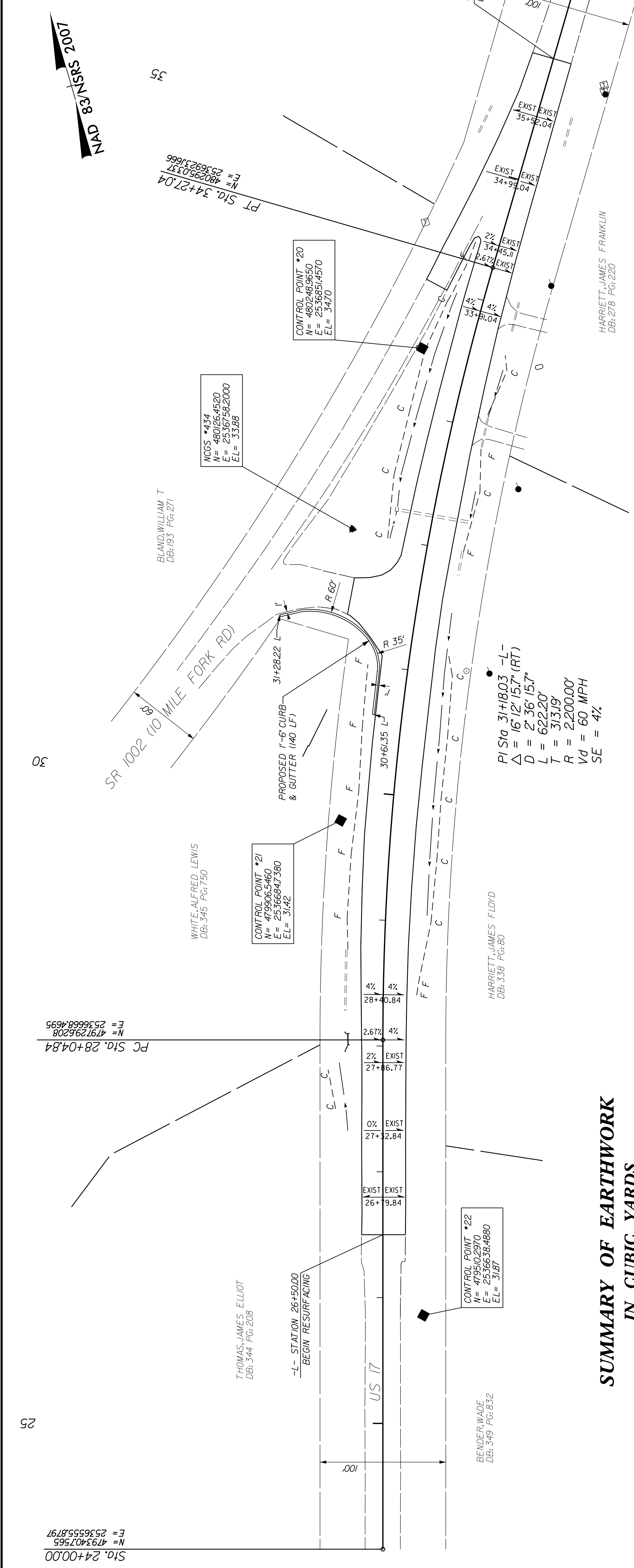
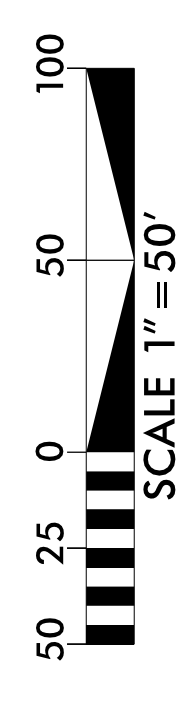
PHASE 2  
USE TYPICAL SECTION #2 (NTS)  
US 17 FROM 0.83 MILE SOUTH OF SR 1002, NORTHWARD FOR 1.5 MILES TO JUST SOUTH OF SR 1367

REVISIONS
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STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS  
SUMMARY OF QUANTITIES

ITEM	SECT	QUANTITY	UNIT	ITEM DESCRIPTION
1	800	1	LS	MOBILIZATION
2	226	1	LS	GRADING
3	610	520	TON	ASPHALT CONCRETE INTERMEDIATE COURSE,TYPE 190B
4	610	410	TON	ASPHALT CONCRETE SURFACE COURSE,TYPE S95B
5	620	120	TON	ASPHALT BINDER FOR PLANT MIX,GRADE P664-22
6	650	1,080	TON	OPEN-GRADED ASPHALT FRICTION COURSE TYPE FC-1
7	665	15,840	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
8	846	140	LF	1'-6" CONCRETE CURB AND GUTTER
9	1205	16,000	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4",90 MILS)
10	1205	180	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12",90 MILS)
11	1205	12,600	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4",120 MILS)
12	1205	3	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
13	1253	150	EA	SNOWPLOWABLE PAVEMENT MARKER
14	1605	150	LF	TEMPORARY SILT FENCE
15	1610	1	TON	SEDIMENT CONTROL STONE
16	1615	1	ACRE	TEMPORARY MULCHING
17	1620	50	LB	SEED FOR TEMPORARY SEEDING
18	1620	0.2	TON	FERTILIZER FOR TEMPORARY SEEDING
19	1630	1	CY	SILT EXCAVATION
20	1631	2,000	SY	MATTING FOR EROSION CONTROL
21	1632	40	LF	1/4" HARDWARE CLOTH
22	SP	360	LF	WATTLE
23	SP	20	LB	POLYACRYLAMIDE (PAM)
24	1660	1	ACRE	SEEDING AND MULCHING
25	1661	50	LB	SEED FOR REPAIR SEEDING
26	1661	0.2	TON	FERTILIZER FOR REPAIR SEEDING

REVISIONS

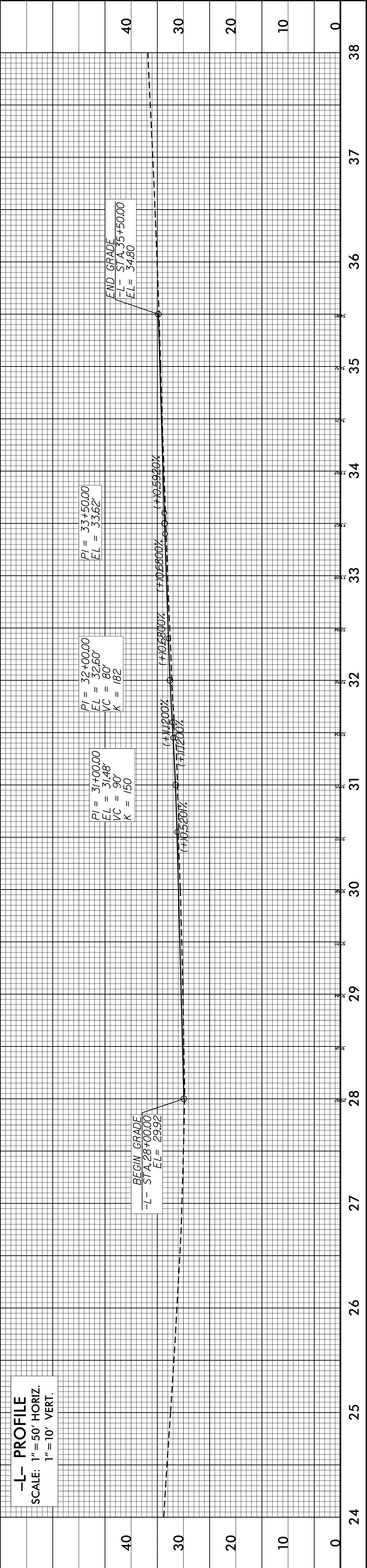


**SUMMARY OF EARTHWORK  
 IN CUBIC YARDS**

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
-L- 27+50 - 34+50	91		316	225	
TOTAL	91		316	225	
SAY	95		320	225	

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

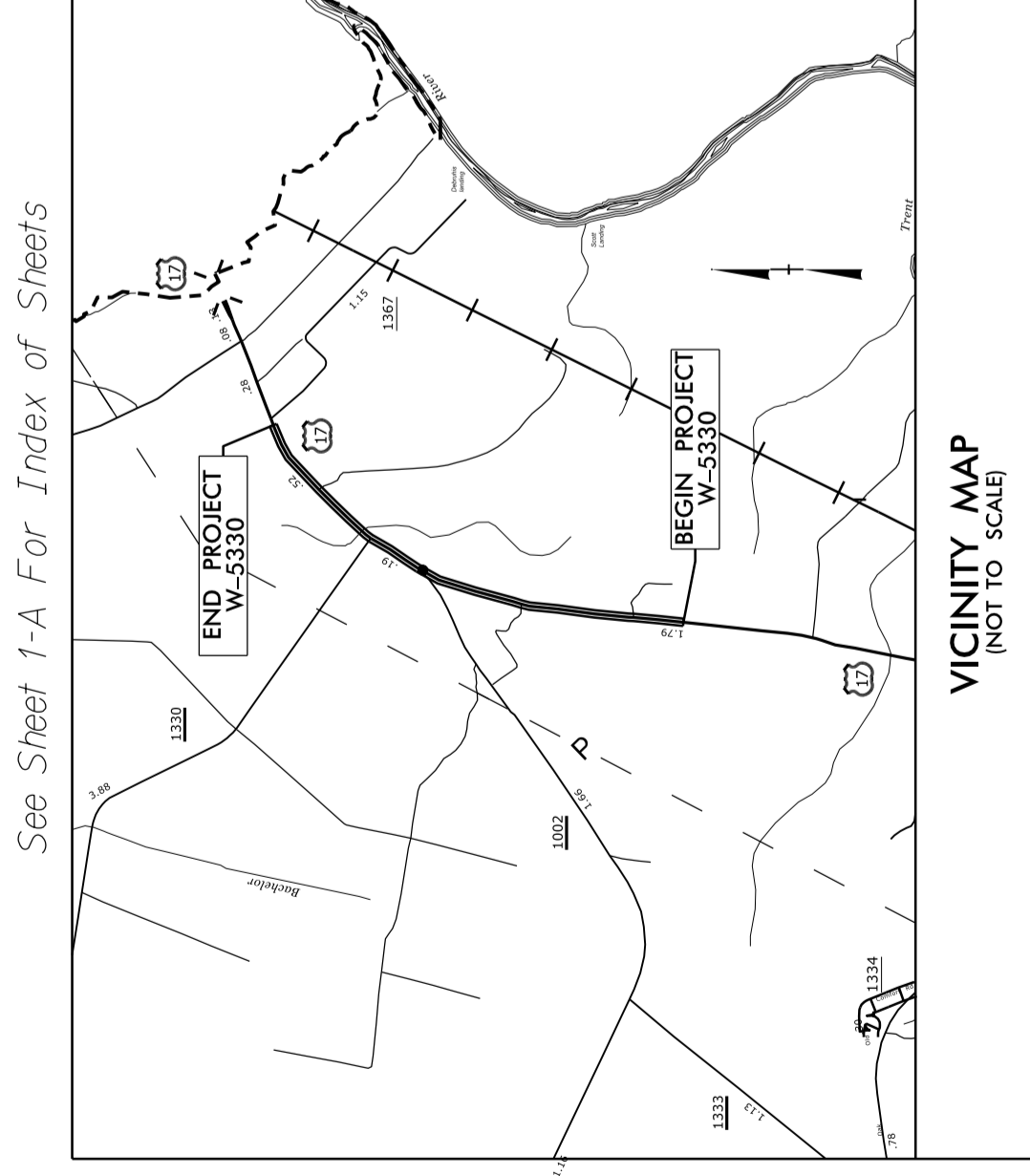
- PHASING:**  
 PHASE 1 - IMPROVE SUPERELEVATION FROM -L- STA. 26+50.00 TO -L- STA. 36+00.00. GRADING, PAVING AND DRAINAGE.  
 PHASE 2 - OVERLAY PAVEMENT WITH OPEN-GRADED ASPHALT FRICTION COURSE FOR THE ENTIRE LENGTH OF PROJECT. INSTALL RUMBLE STRIPS, THERMOPLASTIC PAVEMENT MARKINGS AND SNOWPLOWABLE MARKERS FOR THE ENTIRE LENGTH OF PROJECT.



STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**JONES COUNTY**

PLAN FOR PROPOSED  
HIGHWAY EROSION CONTROL



VICINITY MAP  
(NOT TO SCALE)

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5330	EC1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
45422.1.1		PE	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1605.01	High Vis Temporary Silt Fence	—    —    —    —    —    —
1632.03	Rock Inlet Sediment Trap Type C	⊙
SP	Wattle with Polyacrylamide	⊙
SP	Wattle	⊙

ENVIRONMENTALLY SENSITIVE AREA(S) EXIST ON THIS PROJECT  
*Refer To E. C. Special Provisions for Special Considerations.*

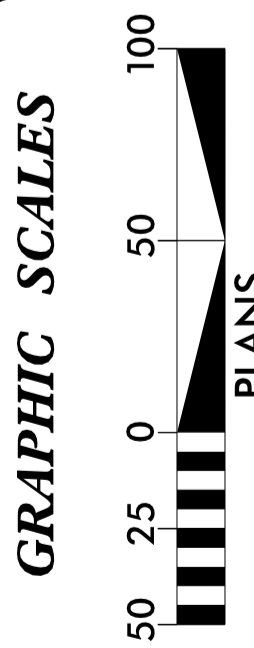
THIS PROJECT HAS BEEN DESIGNED TO SENSITIVE WATERSHED STANDARDS.



LANG JONES	LEVEL IIIA NAME
276	LEVEL IIIA CERTIFICATION NO.

**TIP PROJECT: W-5330**

**CONTRACT:**



**PROJECT LENGTH**  
LENGTH ROADWAY TIP PROJECT W-5330 = 1.50 MILES  
TOTAL LENGTH TIP PROJECT W-5330 = 1.50 MILES

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**  
1000 Birch Ridge Dr., Raleigh, NC, 27610

2012 STANDARD SPECIFICATIONS

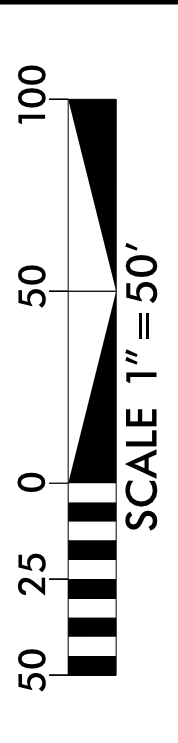
**RIGHT OF WAY DATE:**  
DWAYNE ALLGOOD  
PROJECT ENGINEER

**LETTING DATE:**  
LANG JONES (#276)  
PROJECT DESIGN ENGINEER

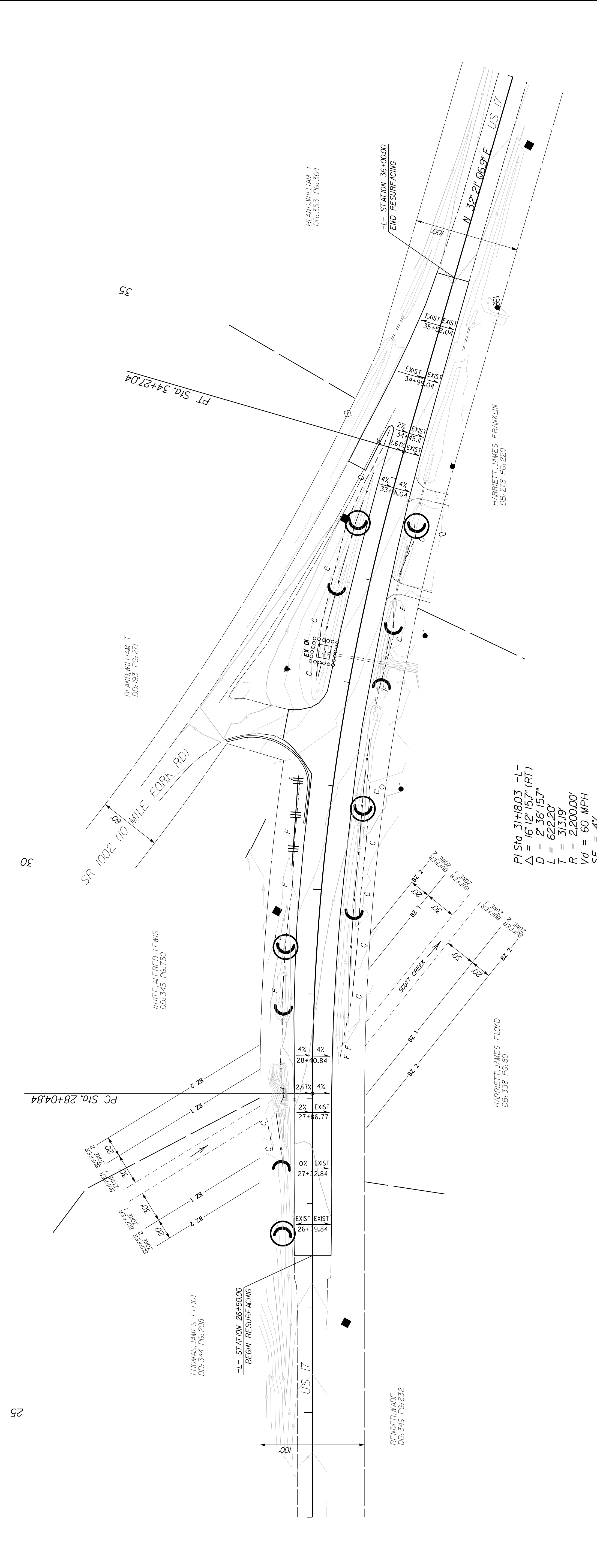
Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2012 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
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



NAD 83 N/SRS 2007



PI Sta 31+18.03 -L-  
 $\Delta = 16'12''/15.7''$  (RT)  
 $D = 2'36''/15.7''$   
 $L = 622.20'$   
 $T = 313.19'$   
 $R = 2,200.00'$   
 $Vd = 60$  MPH  
 $SE = 4\%$

### SOIL STABILIZATION TIMEFRAMES

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

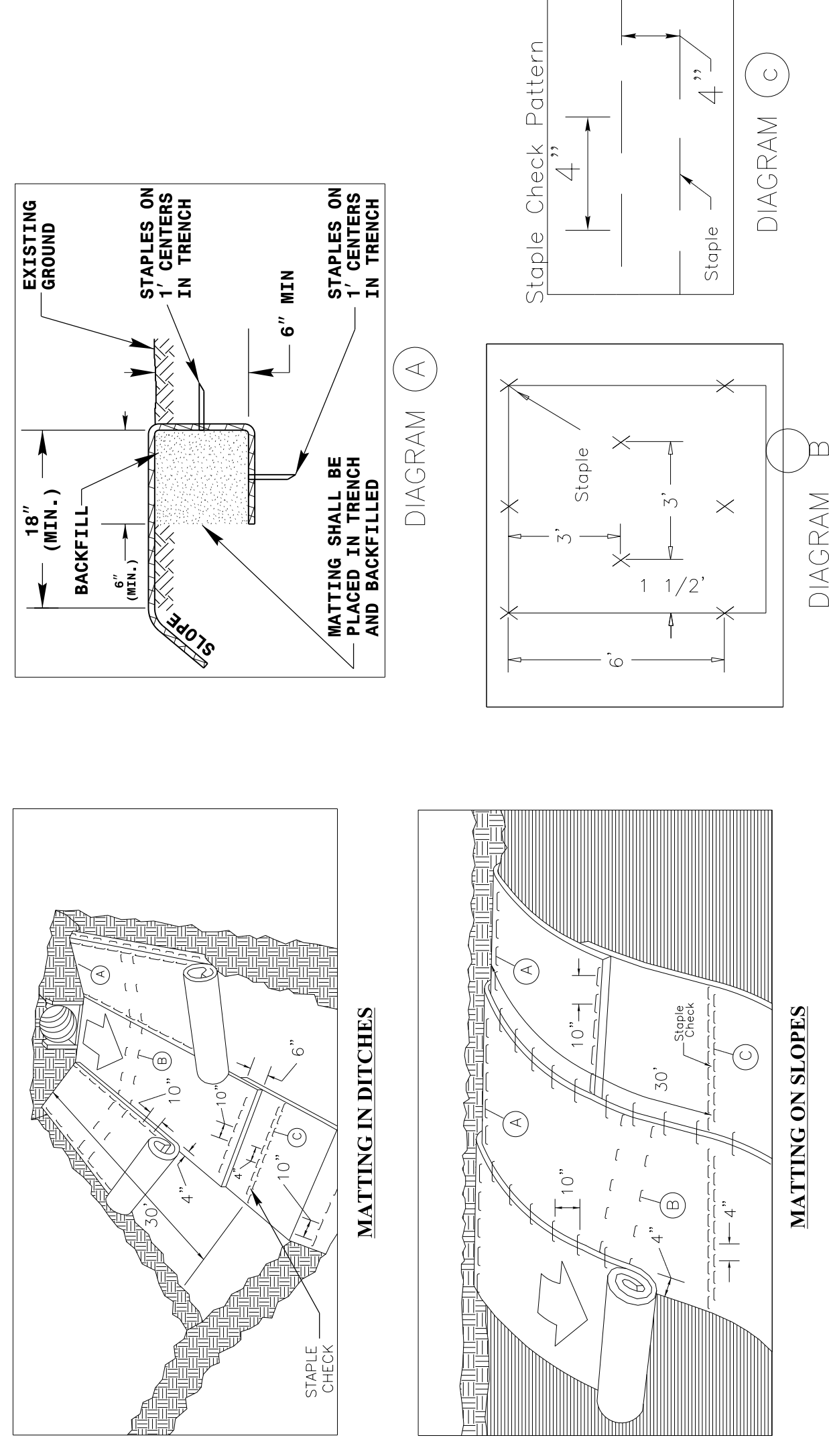
Std. #	Description	Symbol
1605.01	High Vis Temporary Silt Fence	
1632.03	Rock Inlet Sediment Trap Type C	
SP	Wattle with Polyacrylamide	
SP	Wattle	
	Ditch Flow Line	

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.  
 ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.  
 CONTRACTOR SHALL INSTALL SPECIAL SEDIMENT CONTROL FENCE OR WATTLES IN LOW AREAS OF SILT FENCE AS NEEDED OR DIRECTED BY THE ENGINEER.

REVISIONS



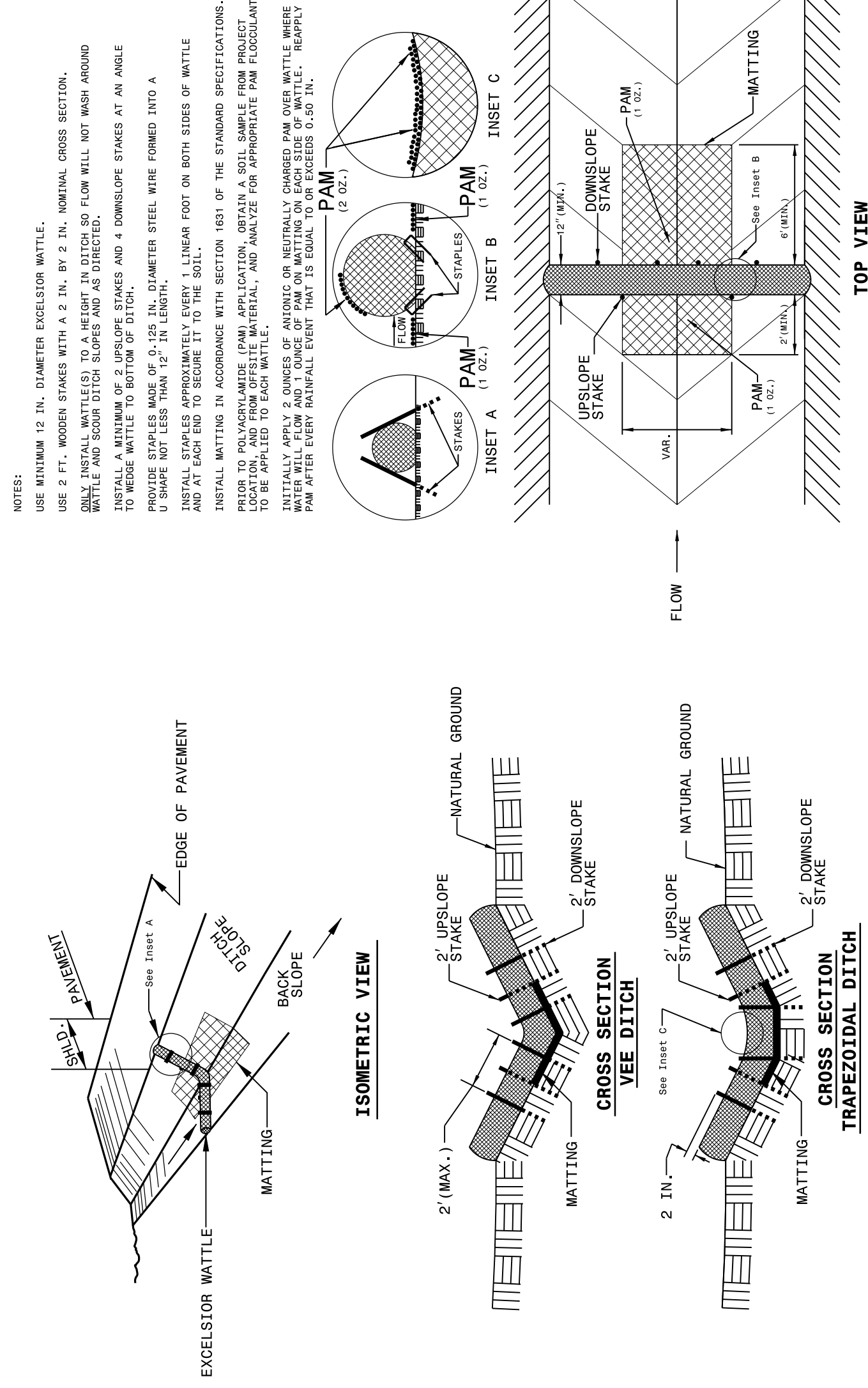
### MATTING INSTALLATION DETAIL



NOTES:  
 THIS DETAIL APPLIES TO STRAW, EXCELISOR, AND PERMANENT SOIL REINFORCEMENT MAT (PSRM) INSTALLATION.  
 THE STRAPLES SHALL BE FORMED INTO A "U" SHAPE WITH A MINIMUM THROAT WIDTH OF 1  
 SUCH AND NOT LESS THAN 6 INCHES IN LENGTH.

NOT TO SCALE

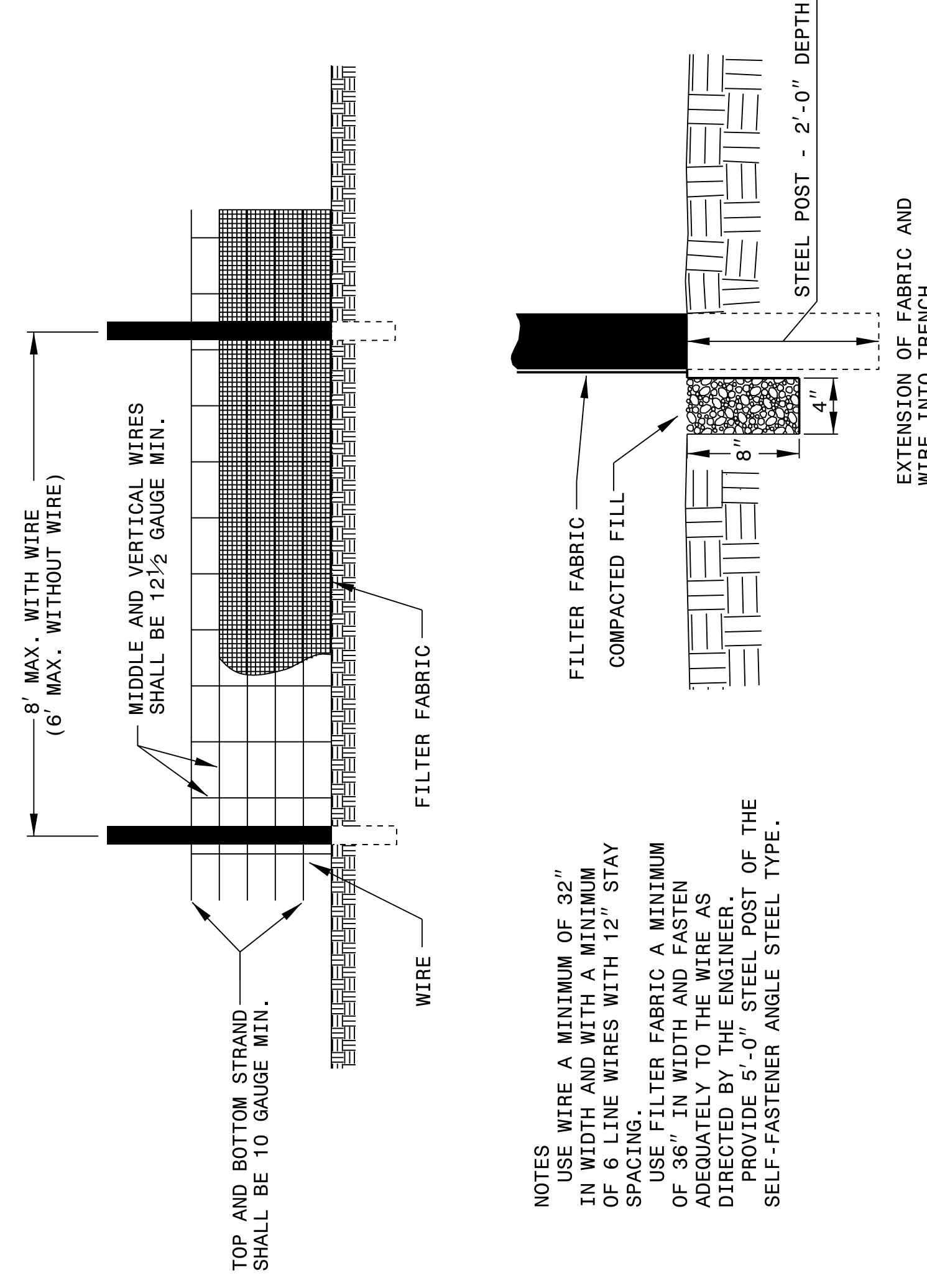
### WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL



NOTES:  
 USE MINIMUM 12 IN. DIAMETER EXCELISOR WATTLE.  
 USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.  
 ONLY INSTALL WATTLES TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND  
 WATTLE AND SOOR DITCH SLOPES AND AS DIRECTED.  
 PROVIDE MATTING TO BOTTOM OF DITCHES AND 4 DOWNSLOPE STAKES AT AN ANGLE  
 TO RESIST WATTLE TO BOTTOM OF DITCHES.  
 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 6 LINEAR FEET ON BOTH SIDES OF WATTLE  
 TO HOLD MATTING IN PLACE.  
 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 FLUCCULANT  
 TO BE APPLIED TO EACH WATTLE.  
 APPLY PAM TO WATTLE AS DIRECTED. WATTLE SHOULD BE INSTALLED ON EACH SIDE OF WATTLE. WATER  
 WILL FLOW AND 1 OZ. OF PAM ON WATTLE ON EACH SIDE OF WATTLE. REAPPLY  
 PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.

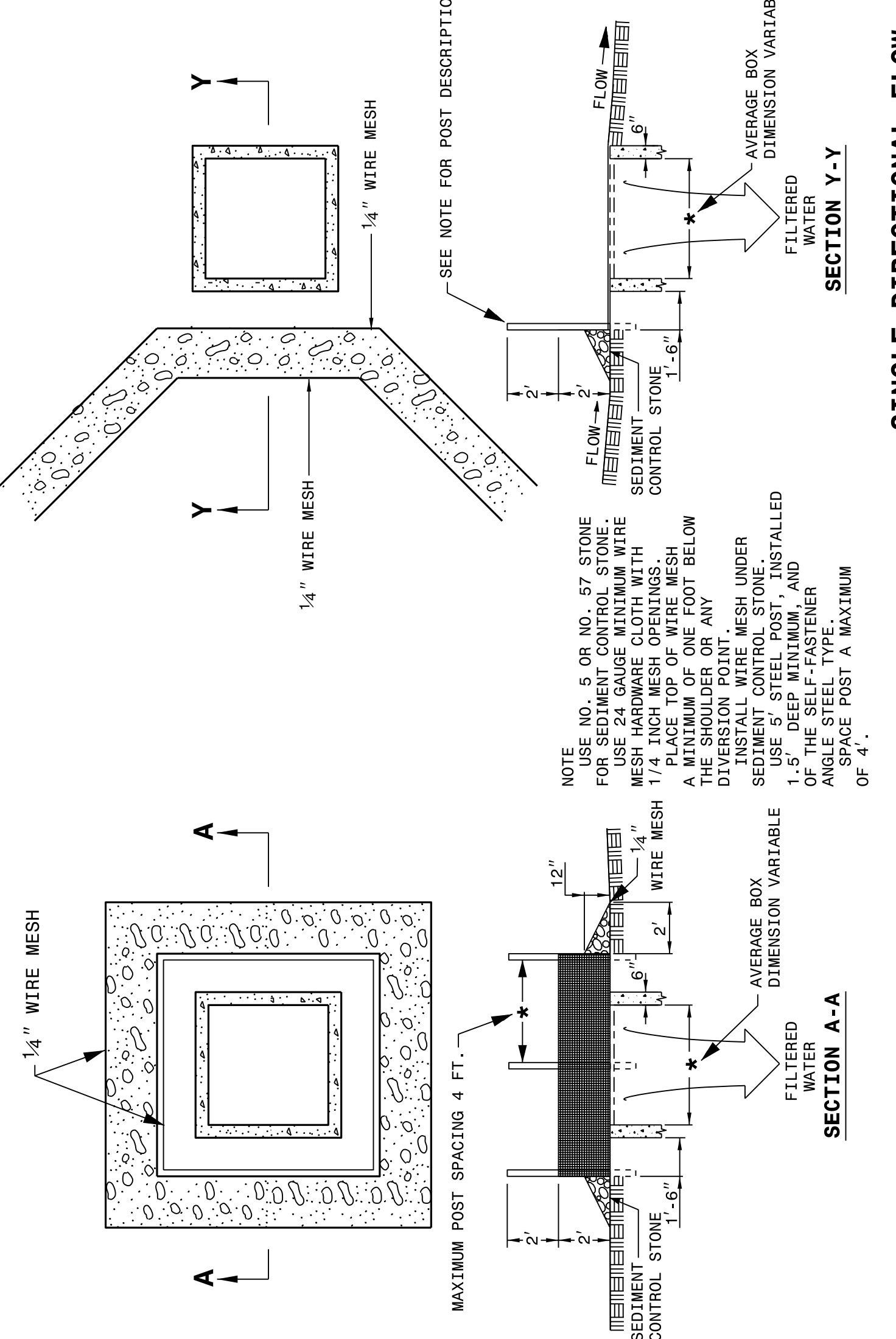
NOT TO SCALE

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.	ENGLISH STANDARD DRAWING FOR <b>TEMPORARY SILT FENCE</b>	STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.	ENGLISH STANDARD DRAWING FOR <b>TEMPORARY SILT FENCE</b>
SHEET 1 OF 1 <b>1605.01</b>	NOT TO SCALE	SHEET 1 OF 1 <b>1605.01</b>	NOT TO SCALE



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.

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.	ENGLISH STANDARD DRAWING FOR <b>ROCK INLET SEDIMENT TRAP TYPE 'C'</b>	STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.	ENGLISH STANDARD DRAWING FOR <b>ROCK INLET SEDIMENT TRAP TYPE 'C'</b>
SHEET 1 OF 1 <b>1632.03</b>	NOT TO SCALE	SHEET 1 OF 1 <b>1632.03</b>	NOT TO SCALE



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 1/4" ABOVE THE SHOULDER OR ANY DIVERSION POINT.  
 INSTALL WIRE MESH UNDER SEDIMENT CONTROL STONE.  
 USE 5" DEEP MINIMUM, AND 1.5" SELF-FASTENER ANGLE STEEL TYPE SPACE POST A MAXIMUM OF 4'.

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

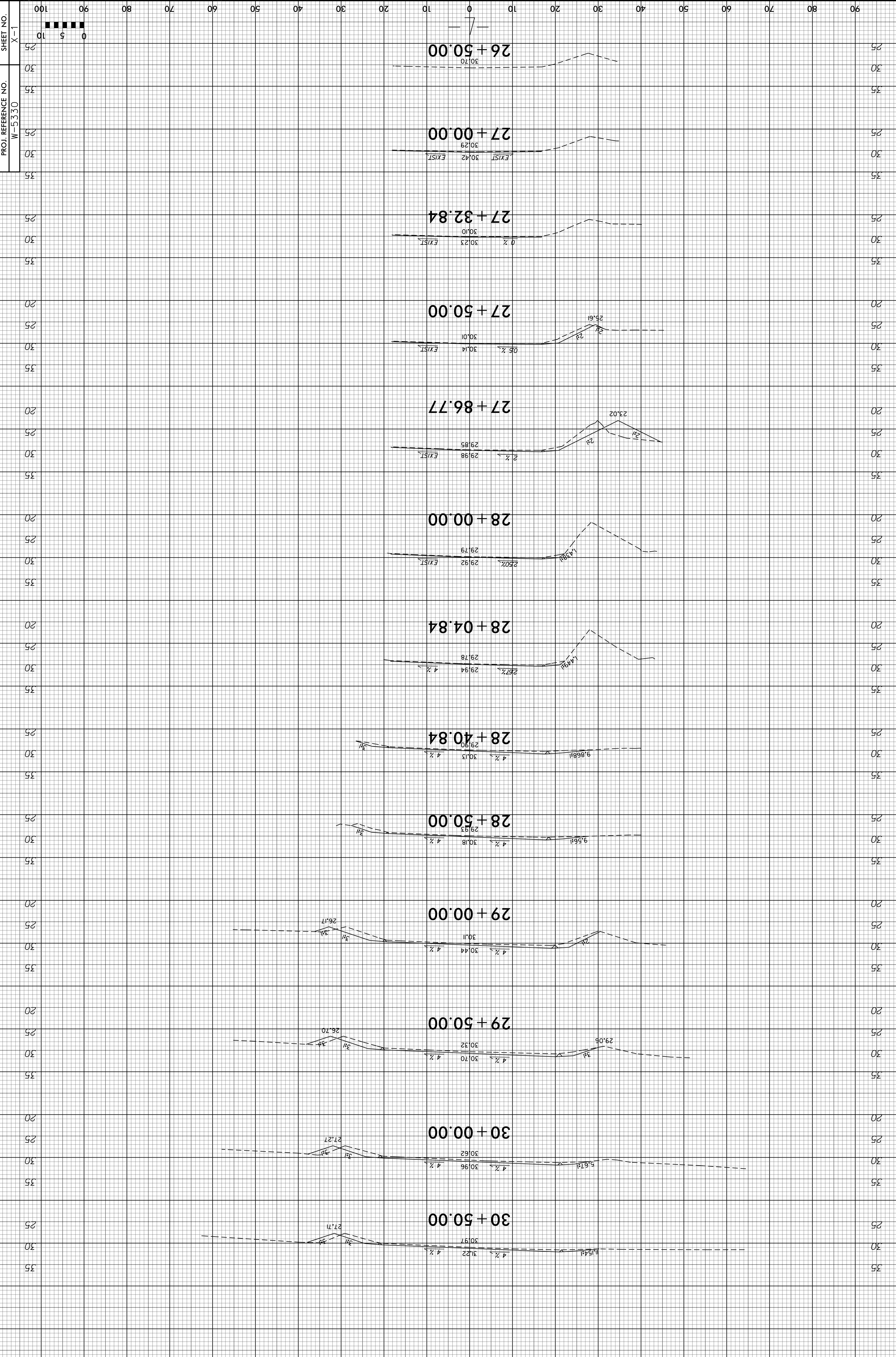
**CROSS-SECTION SUMMARY**

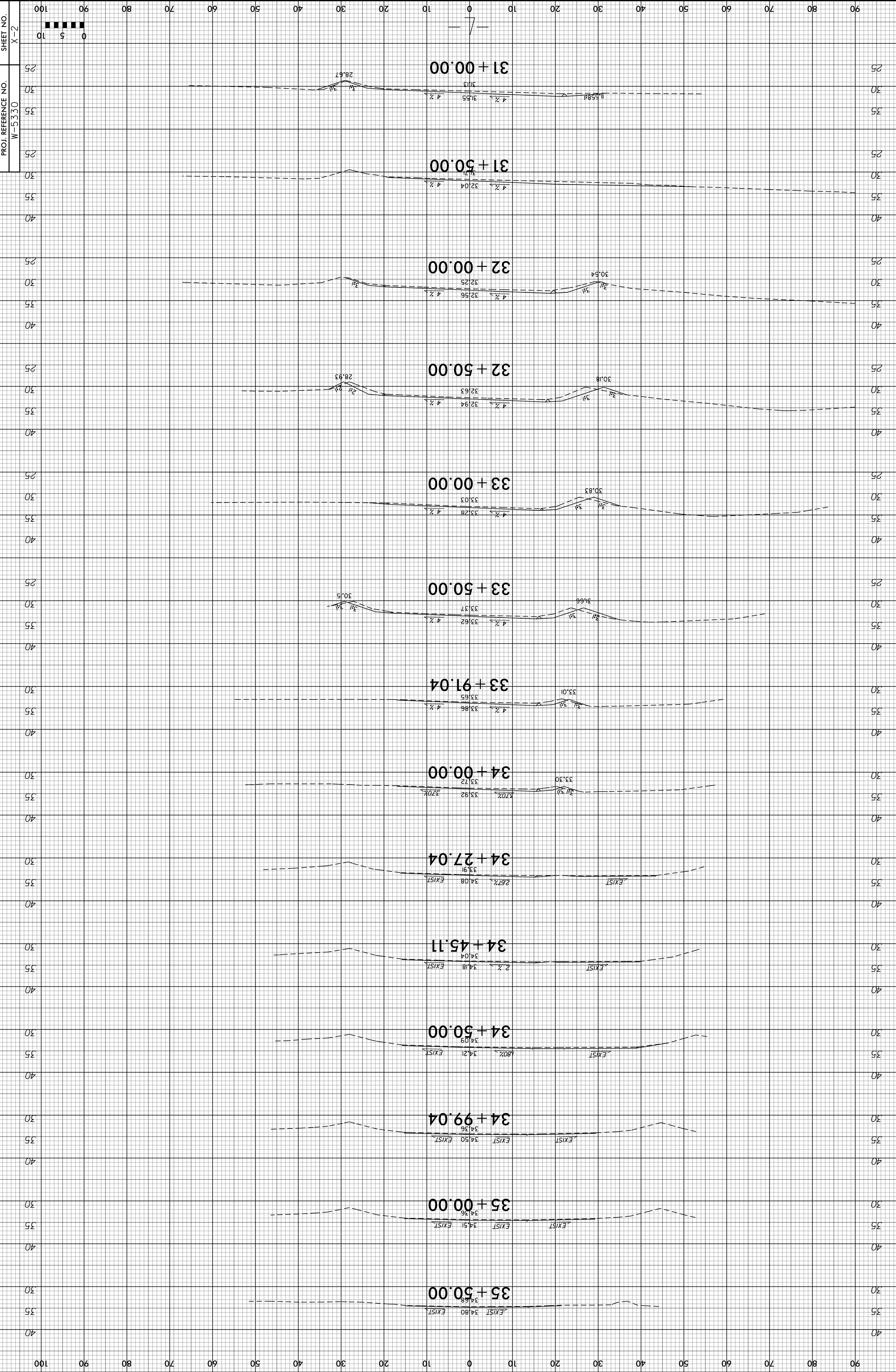
IN CUBIC YARDS

NOTE: Approximate quantities only. Unclassified Excavation, Borrow Excavation, Fine Grading, Clearing and Grubbing, and Removal of Existing Pavement will be paid for at the contract Lump Sum price for "Grading".

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT.

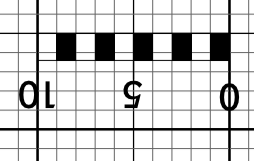
LOCATION (-L)	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT
27 + 50.00	0	0	0
27 + 86.77	18	0	18
28 + 00.00	6	0	5
28 + 04.84	0	0	0
28 + 40.84	0	0	6
28 + 50.00	0	0	3
29 + 00.00	2	0	27
29 + 50.00	8	0	32
30 + 00.00	11	0	24
30 + 50.00	11	0	19
31 + 00.00	7	0	15
32 + 00.00	4	0	29
32 + 50.00	4	0	25
33 + 00.00	7	0	24
33 + 50.00	8	0	19
33 + 91.04	5	0	12
34 + 00.00	0	0	1
34 + 27.04	0	0	2
34 + 45.11	0	0	0
34 + 50.00	0	0	0





PROJ. REFERENCE NO.  
W-5330

SHEET NO.  
X-2



31+00.00

31+50.00

32+00.00

32+50.00

33+00.00

33+50.00

33+91.04

34+00.00

34+27.04

34+45.11

34+50.00

34+99.04

35+00.00

35+50.00

31.55  
31.55  
4%  
4%

32.04  
32.04  
4%  
4%

32.56  
32.56  
4%  
4%

32.94  
32.94  
4%  
4%

33.28  
33.28  
4%  
4%

33.62  
33.62  
4%  
4%

33.86  
33.86  
4%  
4%

33.92  
33.92  
2.70%  
2.70%

34.08  
34.08  
2.67%  
2.67%

34.18  
34.18  
2%  
2%

34.21  
34.21  
1.80%  
1.80%

34.50  
34.50  
EXIST  
EXIST

34.51  
34.51  
EXIST  
EXIST

34.80  
34.80  
EXIST  
EXIST

28.67

31.71

31.71

28.93

33.03

30.5

33.65

33.72

33.91

34.04

34.09

34.36

34.56

34.68

1.5584

30.54

30.18

30.83

31.66

33.01

33.30

EXIST

EXIST

EXIST

EXIST

EXIST

EXIST

7