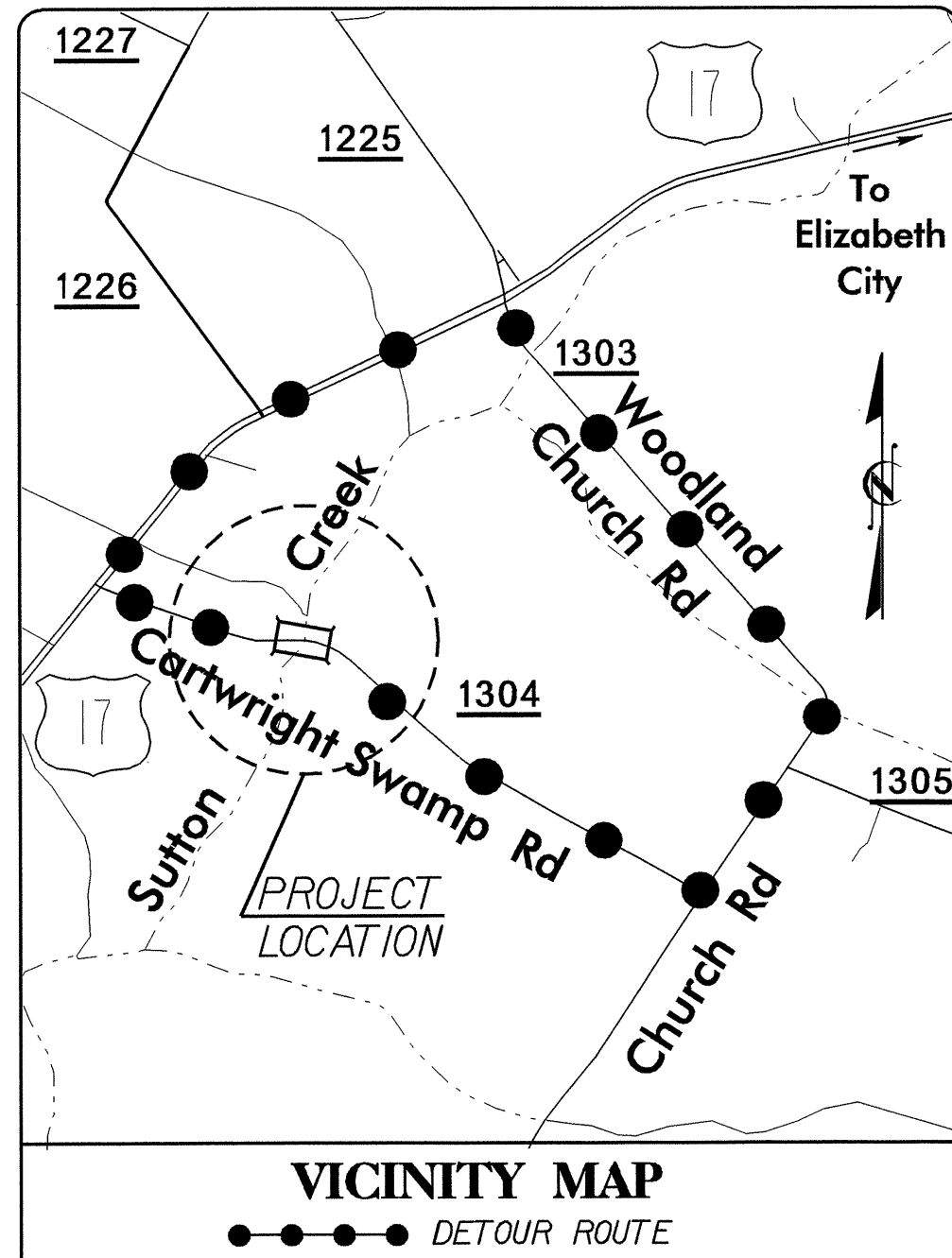


05/08/99

See Sheet 1227, 1225, 1226, 1303, 1304, 1305



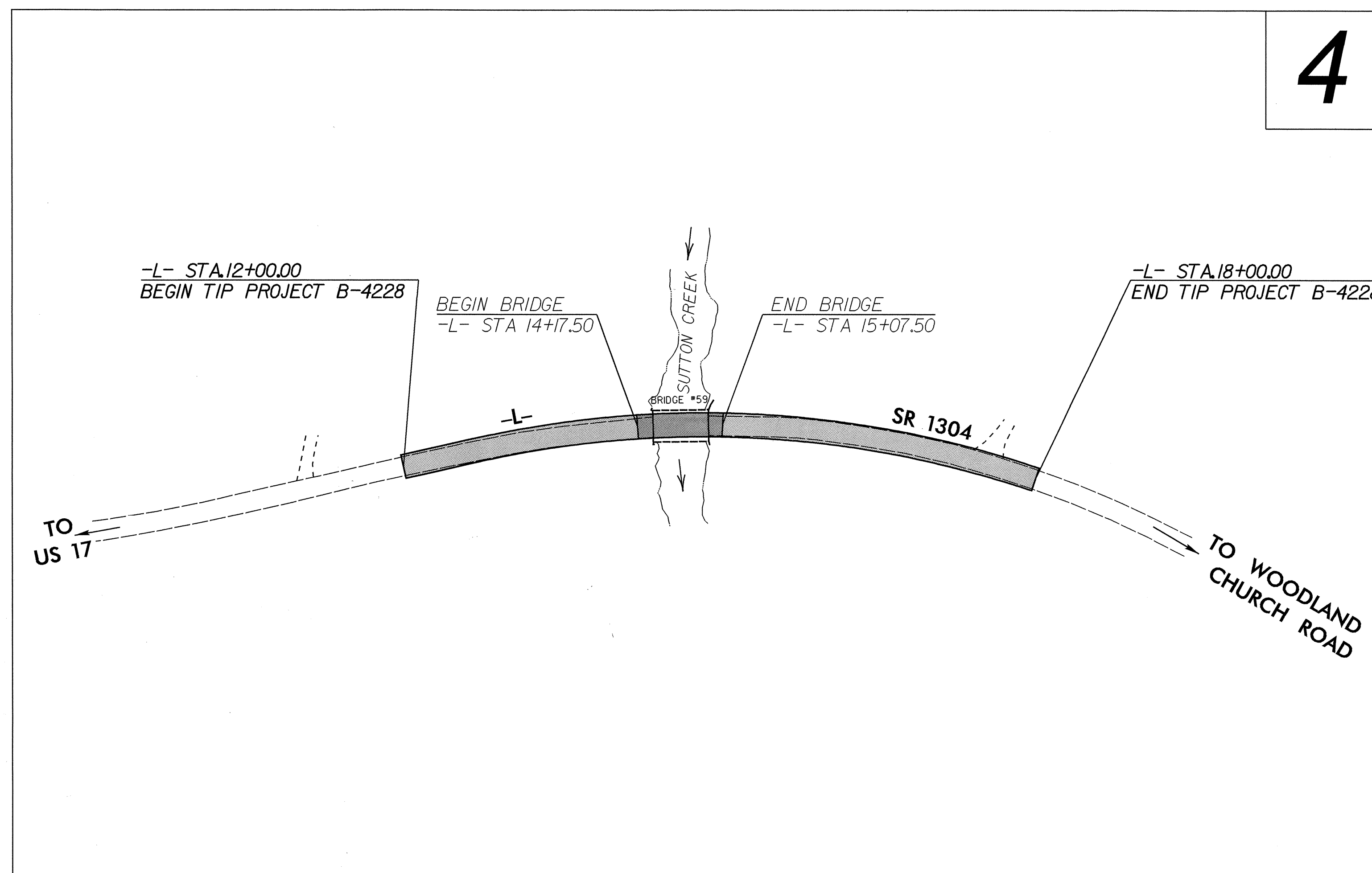
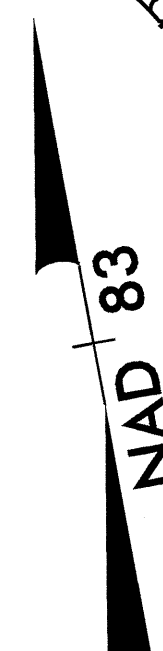
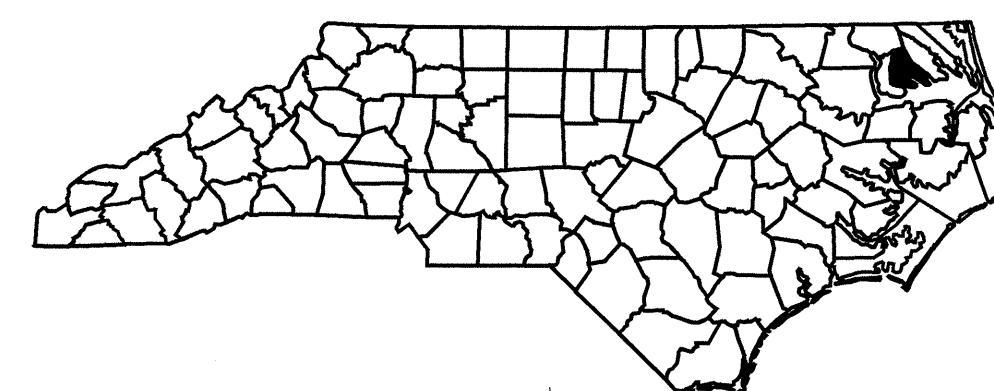
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PERQUIMANS COUNTY

LOCATION: BRIDGE 59 OVER SUTTON CREEK ON SR 1304

TYPE OF WORK: GRADING, DRAINAGE, PAVING, STRUCTURE

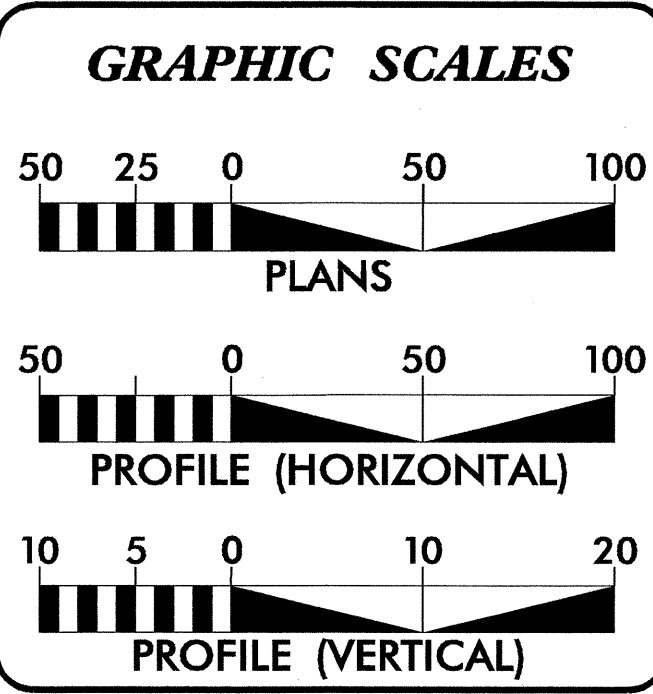
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4228	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
33572.1.1	BRZ-1304(7)	PE	
33572.2.1	BRZ-1304(7)	R/W, UTIL	
33572.3.1	BRZ-1304(7)	CONST.	



TIP PROJECT: B-4228

CONTRACT: C201549

NOTES:
-TRAFFIC IS TO BE MAINTAINED WITH AN OFF SITE DETOUR.
**DESIGN EXCEPTION REQUIRED FOR HORIZONTAL CURVATURE



DESIGN DATA

ADT 2007 =	200 VPD
ADT 2035 =	900 VPD
DHV =	10 %
D =	60 %
T =	3 % *
V =	60 MPH
* TTST 1%	DUAL 2%

PROJECT LENGTH

LENGTH ROADWAY F.A. PROJECT BRZ-1304(7)	=	0.097 MILES
LENGTH STRUCTURE F.A. PROJECT BRZ-1304(7)	=	0.017 MILES
TOTAL LENGTH STATE PROJECT 33572.1.1	=	0.114 MILES

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

2006 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
SEPTEMBER 26, 2005

LETTING DATE:
FEBRUARY 19, 2008

JASON MOORE, PE
PROJECT ENGINEER

JEANIE TYSON
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

SEAL 22100

12/10/07 P.E.

ROADWAY DESIGN ENGINEER

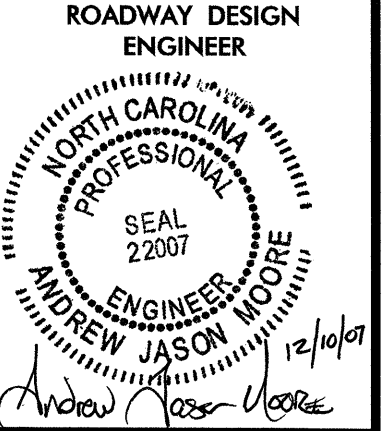
SEAL 22007

12/10/07 P.E.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

STATE HIGHWAY DESIGN ENGINEER

05-NOV-2007 15:05
F:\roadway\proj\B-4228_rdy_tsh.dgn
\$\$\$\$\$USERNAME\$\$\$\$\$



INDEX OF SHEETS	
SHEET NUMBER	SHEET NUMBER
1	TITLE SHEET
1-A	INDEX OF SHEETS, GENERAL NOTES, AND LIST OF STANDARD DRAWINGS
1-B	CONVENTIONAL SYMBOLS
1-C	SURVEY CONTROL SHEET
2	PAVEMENT SCHEDULE, TYPICAL SECTIONS, AND WEDGING DETAILS
2-A	ANCHORAGE FOR FRAMES DETAIL SHEET
3	SUMMARY OF QUANTITIES
3A	SUMMARY OF QUANTITIES: GUARDRAIL, EARTHWORK, ASPHALT PAVEMENT, AND DRAINAGE
4	PLAN SHEET
5	PROFILE SHEET
TCP-1	TRAFFIC CONTROL PLAN
EC-1 THRU EC-4	EROSION CONTROL PLANS
X-1 THRU X-5	CROSS-SECTIONS
S-1 THRU S-19	STRUCTURE PLANS

GENERAL NOTES:

2006 SPECIFICATIONS
EFFECTIVE: 07-18-06
REVISED: 07-18-06

GRADING AND SURFACING OR 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 III.

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.

SIDE ROADS:
THE CONTRACTOR WILL BE REQUIRED TO DO ALL NECESSARY WORK TO PROVIDE SUITABLE CONNECTIONS WITH ALL ROADS, STREETS, AND DRIVES ENTERING THIS PROJECT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PARTICULAR ITEMS.

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

GUARDRAIL:
THE GUARDRAIL LOCATIONS SHOWN ON THE PLANS MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD CONSULT WITH THE ENGINEER PRIOR TO ORDERING GUARDRAIL MATERIAL.

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

END BENTS:
THE ENGINEER SHALL CHECK THE STRUCTURE END BENT PLANS, DETAILS, AND CROSS-SECTION PRIOR TO SETTING OF THE SLOPE STAKES FOR THE EMBANKMENT OR EXCAVATION APPROACHING A BRIDGE. ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS.

RIGHT-OF-WAY MARKERS:
ALL RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY OTHERS.

UNDERDRAINS:
UNDERDRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 815.03 AT LOCATIONS DIRECTED BY THE ENGINEER.

UTILITIES:
UTILITY OWNERS ON THIS PROJECT ARE NC POWER
ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS

EFF. 07-18-06
REV. 01-02-07

2006 ROADWAY ENGLISH STANDARD DRAWINGS
THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDAR DRAWINGS" HIGHWAY DESIGN BRANCH - N. C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N. C., DATED JULY 18, 2006 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD.NO.	TITLE
DIVISION 2 - EARTHWORK	
200.03	METHOD OF CLEARING - METHOD III
225.02	GUIDE FOR GRADING SUBGRADE - SECONDARY AND LOCAL
225.04	METHOD OF OBTAINING SUPERELEVATION - TWO LANE PAVEMENT
DIVISION 3 - PIPE CULVERTS	
300.01	METHOD OF PIPE INSTALLATION - METHOD 'A'
DIVISION 4 - MAJOR STRUCTURES	
422.10	REINFORCED BRIDGE APPROACH FILLS
DIVISION 5 - SUBGRADE, BASES AND SHOULDERS	
560.01	METHOD OF SHOULDER CONSTRUCTION - HIGH SIDE OF SUPERELEVATED CURVE - METHOD I
DIVISION 8 - INCIDENTALS	
815.03	PIPE UNDERDRAIN AND BLIND DRAIN
840.00	CONCRETE BASE PAD FOR DRAINAGE STRUCTURES
840.29	FRAMES AND NARROW SLOT FLAT GRATES
840.35	TRAFFIC BEARING GRATED DROP INLET - FOR CAST IRON DOUBLE FRAME AND GRATES
840.46	TRAFFIC BEARING PRECAST DRAINAGE STRUCTURE
840.66	DRAINAGE STRUTURE STEPS
846.01	CONCRETE CURB, GUTTER AND CURB & GUTTER
846.04	DROP INLET INSTALLATION IN SHOULDER BERM GUTTER
862.01	GUARDRAIL PLACEMENT
862.02	GUARDRAIL INSTALLATION
862.03	STRUCTURE ANCHOR UNITS
862.04	ANCHORING END OF GUARDRAIL - B-77 AND B-83 ANCHOR UNITS
876.02	GUIDE FOR RIP RAP AT PIPE OUTLETS

8/17/09
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Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

Table listing symbols for boundaries and property: State Line, County Line, Township Line, City Line, Reservation Line, Property Line, Existing Iron Pin, 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 High Quality Wetland Boundary, Existing Endangered Animal Boundary, Existing Endangered Plant Boundary.

BUILDINGS AND OTHER CULTURE:

Table listing symbols for 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:

Table listing symbols for hydrology: Stream or Body of Water, Hydro, Pool or Reservoir, River Basin Buffer, Flow Arrow, Disappearing Stream, Spring, Swamp Marsh, Proposed Lateral, Tail, Head Ditch, False Sump.

RAILROADS:

Table listing symbols for railroads: Standard Gauge, RR Signal Milepost, Switch, RR Abandoned, RR Dismantled.

RIGHT OF WAY:

Table listing symbols for 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.

ROADS AND RELATED FEATURES:

Table listing symbols for roads and related features: Existing Edge of Pavement, Existing Curb, Proposed Slope Stakes Cut, Proposed Slope Stakes Fill, Proposed Wheel Chair Ramp, Curb Cut for Future Wheel Chair Ramp, Existing Metal Guardrail, Proposed Guardrail, Existing Cable Guiderail, Proposed Cable Guiderail, Equality Symbol, Pavement Removal.

VEGETATION:

Table listing symbols for vegetation: Single Tree, Single Shrub, Hedge, Woods Line, Orchard, Vineyard.

EXISTING STRUCTURES:

Table listing symbols for 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:

Table listing symbols for 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:

Table listing symbols for 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:

Table listing symbols for 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:

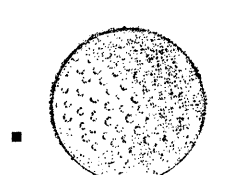
Table listing symbols for gas: Gas Valve, Gas Meter, Recorded U/G Gas Line, Designated U/G Gas Line (S.U.E.*), Above Ground Gas Line.

SANITARY SEWER:

Table listing symbols for 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:

Table listing symbols for 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, A/G Tank; Water, Gas, Oil, U/G Test Hole (S.U.E.*), Abandoned According to Utility Records, End of Information.



SURVEY CONTROL SHEET B-4228

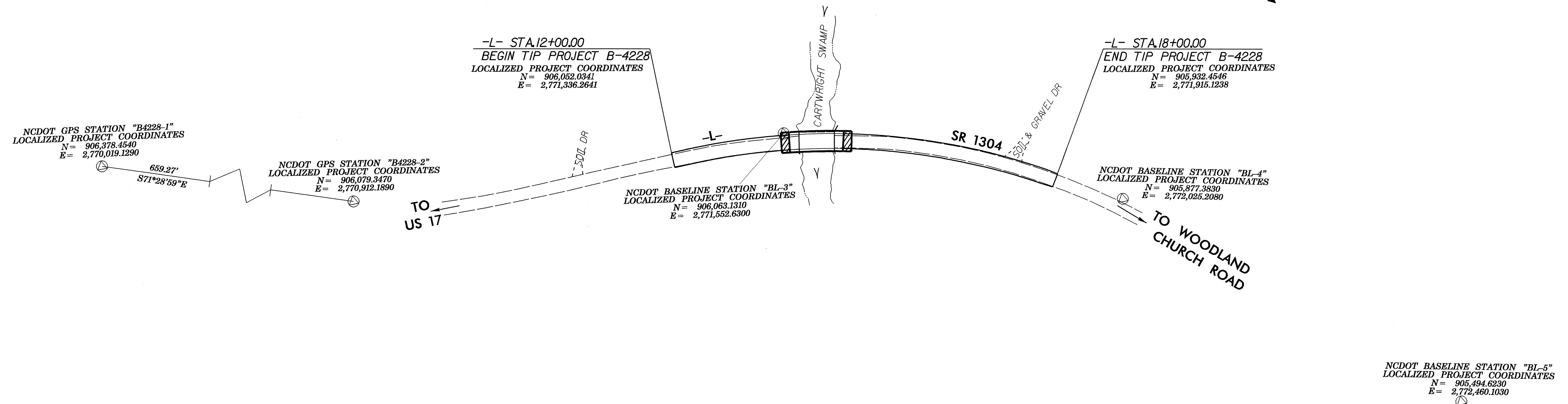
CONTROL DATA

BL	POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
1		B4228-1	906378.4540	2770019.1290	9.85	OUTSIDE PROJECT LIMITS	
2		B4228-2	906079.3470	2770912.1890	9.10	OUTSIDE PROJECT LIMITS	
3		BL-3	906063.1310	2771552.6300	8.79	14+15.11	13.81 LT
4		BL-4	905877.3830	2772025.2080	10.51	19+21.62	13.30 LT
5		BL-5	905494.6230	2772460.1030	9.28	OUTSIDE PROJECT LIMITS	

BENCHMARK DATA

.....
 BM10 ELEVATION = 4.95
 N 906017 E 2771404
 L STATION 12+66 38 RIGHT
 R/R SPIKE LOCATED IN BASE OF 26"
 SYCAMORE

 BM11 ELEVATION = 5.80
 N 906043 E 2771761
 L STATION 16+18 39 LEFT
 R/R SPIKE IN BASE OF 18" SYCAMORE



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B4228-2" WITH NAD 83 STATE PLANE GRID COORDINATES OF NORTHING: 2770912.189(ft) EASTING: 906079.347(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99998208 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B4228-2" TO -L- STATION 12+00 IS S 86°18'54" E 424.954 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

NOTES:

THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING [HTTP://WWW.DOH.DOT.STATE.NC.US/PRECONSTRUCT/HIGHWAY/LOCATION/PROJECT](http://www.doh.dot.state.nc.us/preconstruct/highway/location/project)
 FILE: b4228_ls_control_050915.txt

SITE CALIBRATION PARAMETERS HAVE NOT BEEN DETERMINED FOR THIS PROJECT.
 IF FURTHER INFORMATION IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

⊕ INDICATES GEODETIC CONTROL MONUMENTS USED OR SET FOR HORIZONTAL PROJECT CONTROL BY THE NCDOT LOCATION AND SURVEYS UNIT.

PROJECT CONTROL ESTABLISHED UTILIZING GLOBAL POSITIONING SYSTEM.
 NETWORK FOR GPS "B4027-1" ESTABLISHED FROM NGS ONLINE POSITIONING USER SERVICE (OPUS)

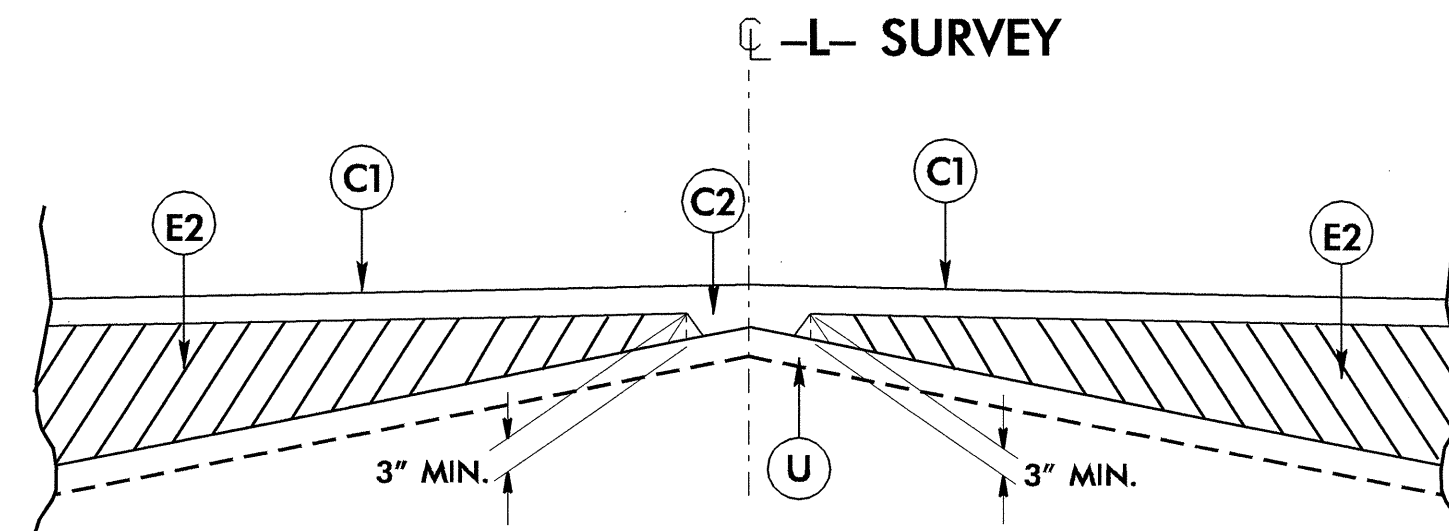
NOTE: DRAWING NOT TO SCALE

6/22/99

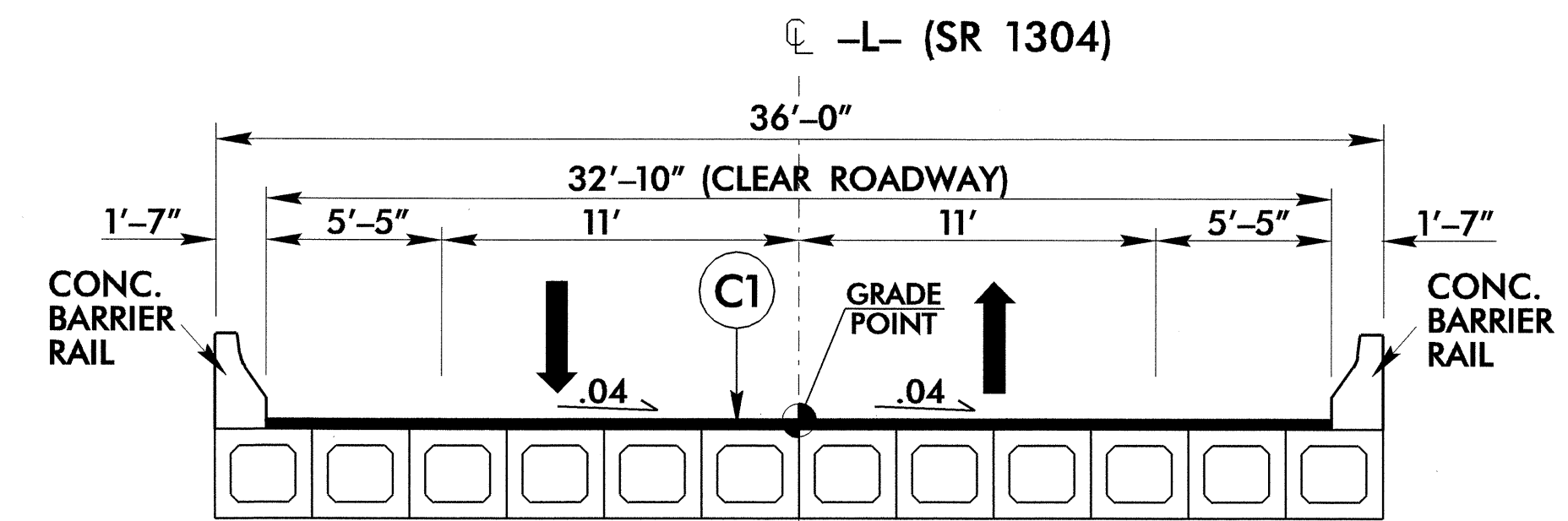
PAVEMENT SCHEDULE

C1	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. IN EACH OF TWO LAYERS. (PER DIVISIONS REQUEST)
C2	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 2" IN DEPTH.
E1	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E2	PROP. VAR. DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 3" IN DEPTH OR GREATER THAN 5 1/2" IN DEPTH.
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
W	VARIABLE DEPTH ASPHALT PAVEMENT (SEE WEDGING DETAIL)

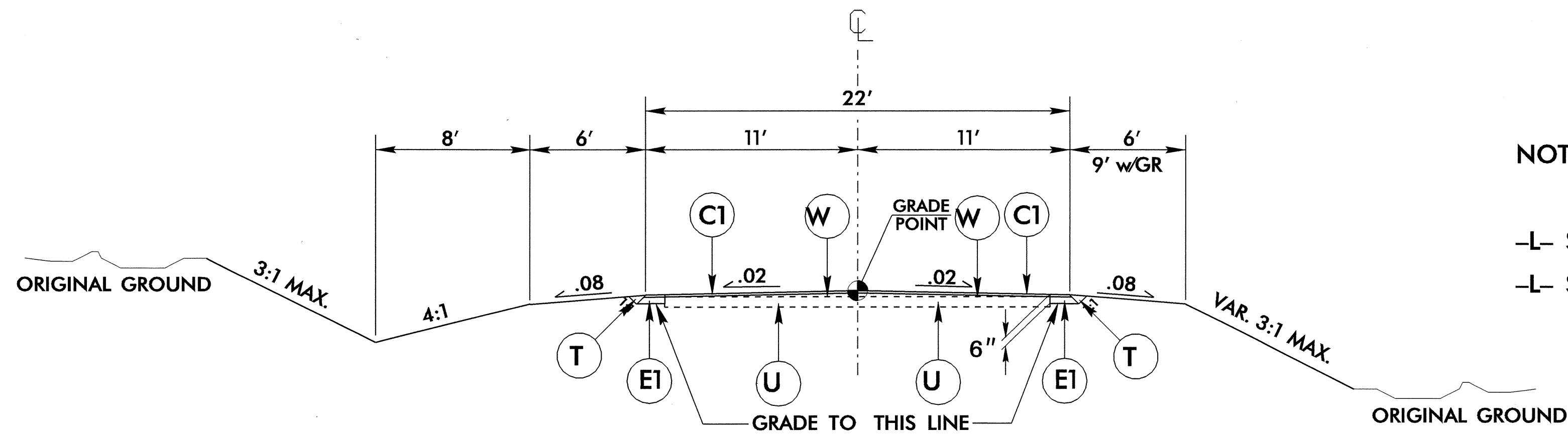
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



Detail Showing Method of Wedging



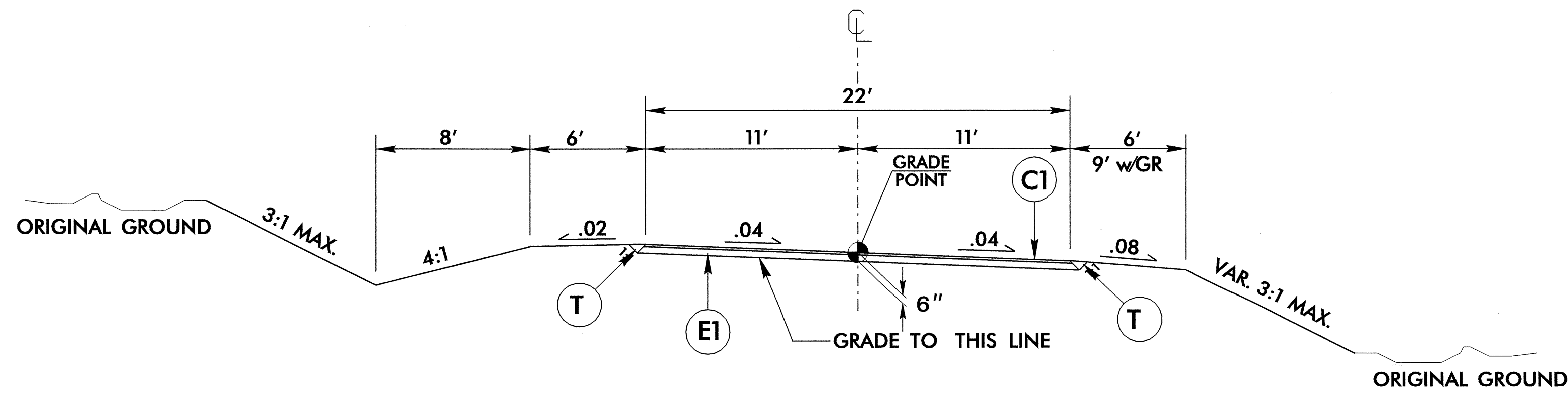
TYPICAL SECTION ON STRUCTURE
-L- STA. 14+17.50 to STA 15+07.50



TYPICAL SECTION NO. 1

NOTE: TRANSITION FROM EXISTING TO TYPICAL NO. 1:
-L- STA. 11+50.00 TO STA. 12+00.00
-L- STA. 18+00.00 TO STA. 18+50.00

USE TYPICAL SECTION NO. 1
-L- STA 12+00.00 TO STA 13+67.50
-L- STA 15+57.50 TO STA 18+00.00



TYPICAL SECTION NO. 2

USE TYPICAL SECTION NO. 2
-L- STA. 13+67.50 TO STA. 14+17.50 (BEGIN BRIDGE)
-L- STA. 15+07.50 (END BRIDGE) TO STA. 15+57.50

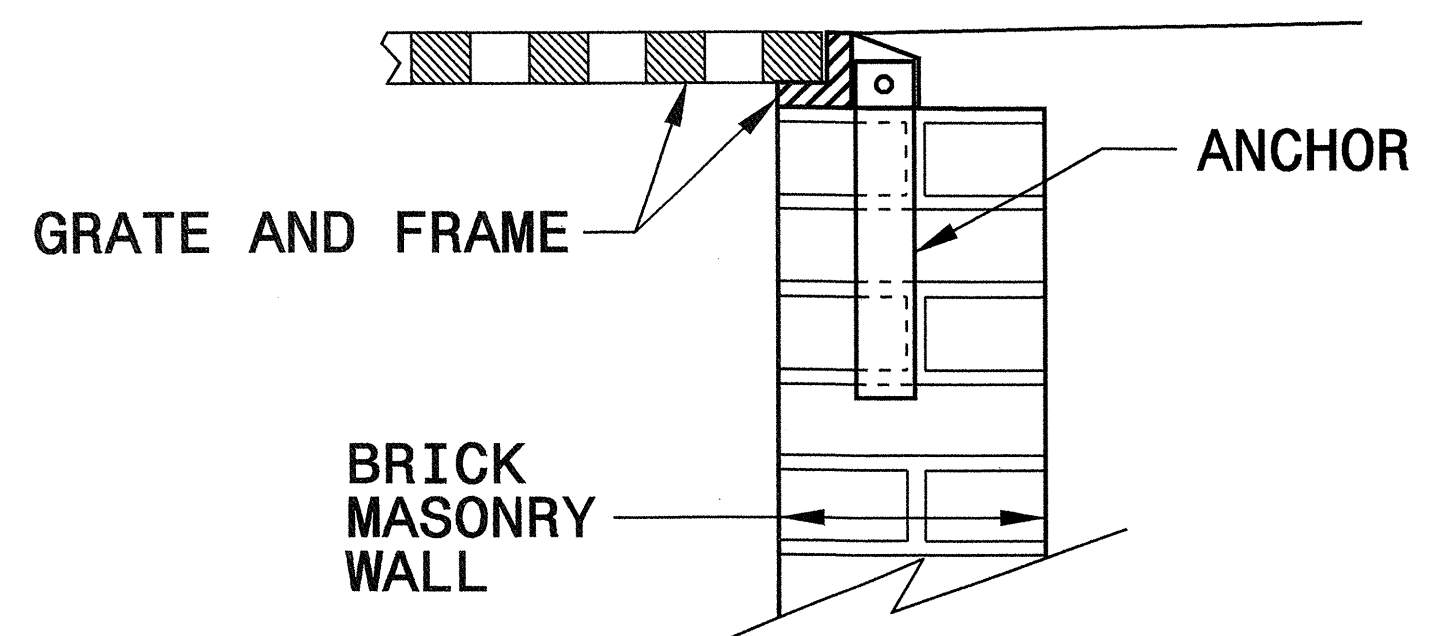
PROJECT REFERENCE NO. B-4228	SHEET NO. 2
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 22007 ANDREW JASON MOORE 12/11/07	PAVEMENT DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 22898 CLARK S. MORRISON 12/11/07

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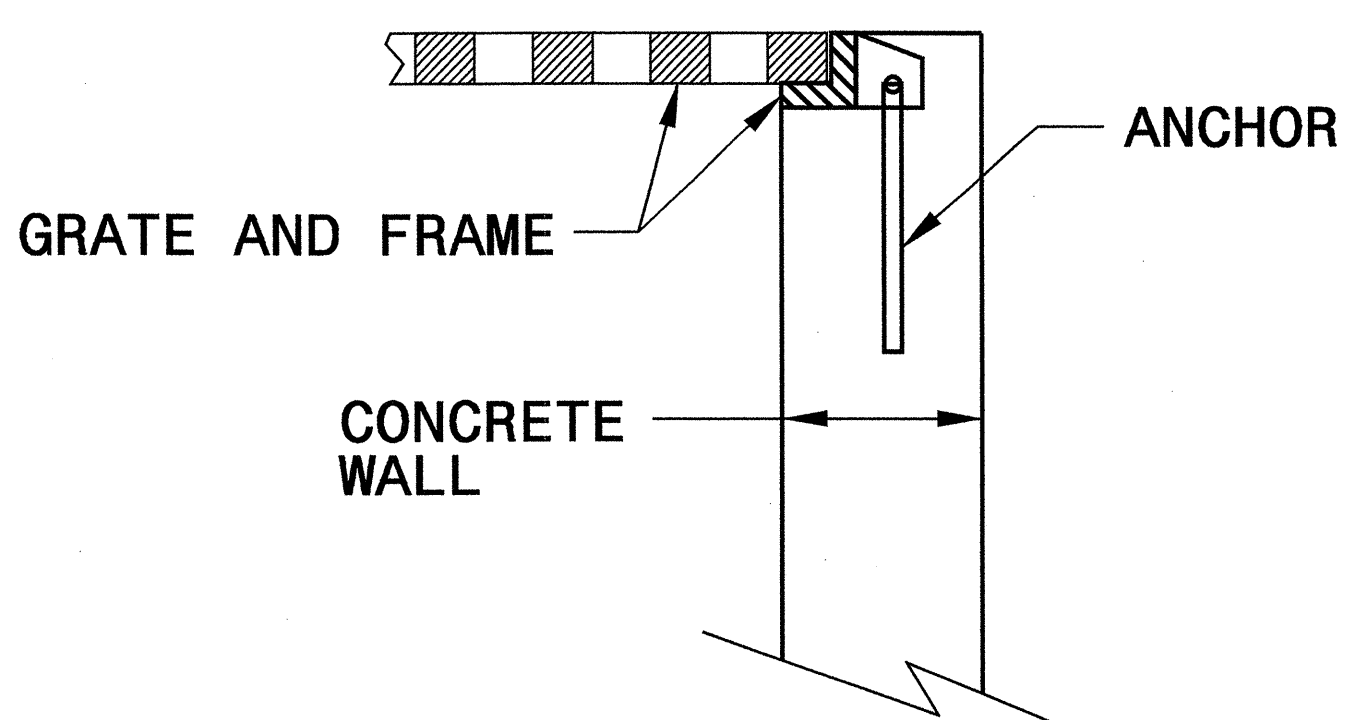
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
ANCHORAGE FOR FRAMES
BRICK/CONCRETE/PRECAST CONCRETE

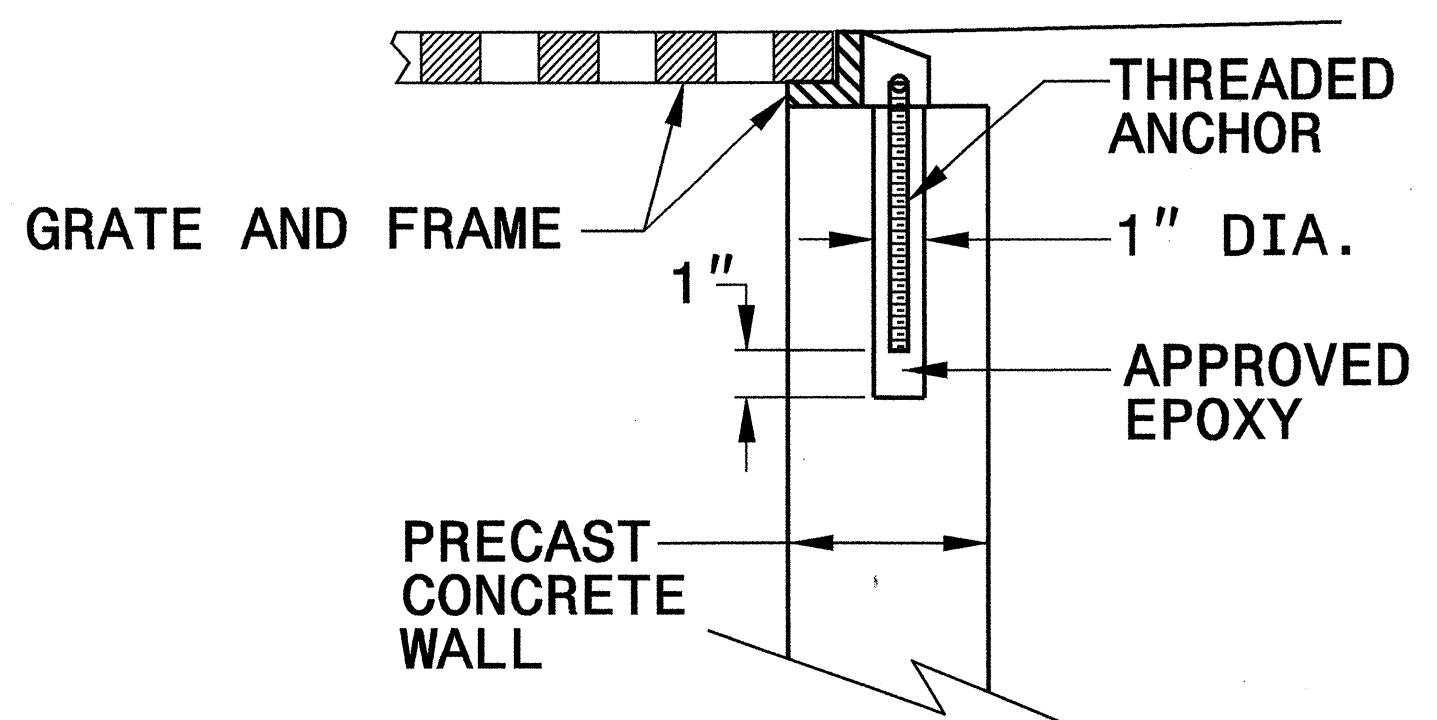
SHEET 1 OF 1
840D25



BRICK MASONRY CONSTRUCTION



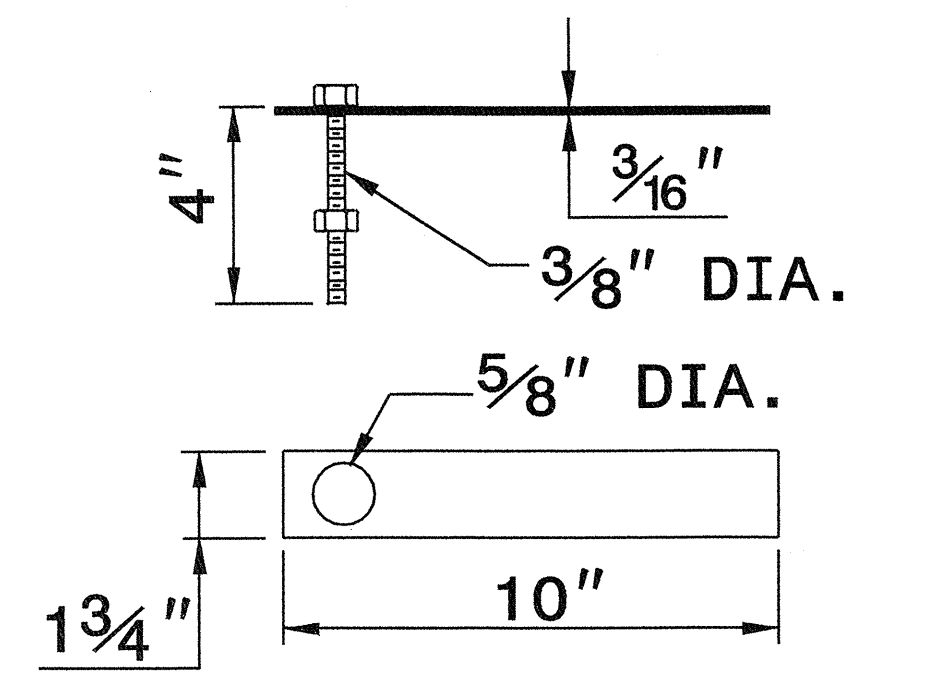
CONCRETE CONSTRUCTION



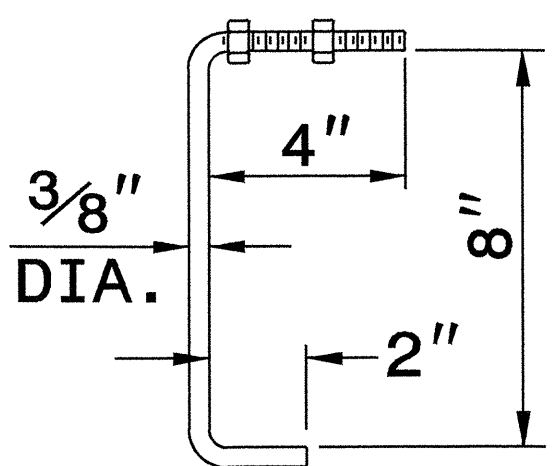
PRECAST CONCRETE CONSTRUCTION

DETAIL SHOWING ANCHORAGE OF FRAME FOR GRATED DROP INLET

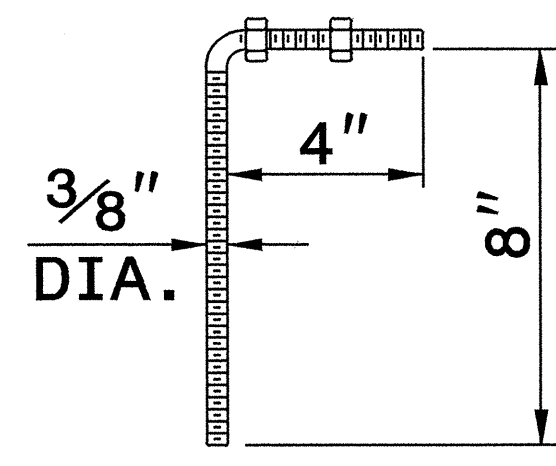
NOTE:
CONSTRUCT GRATED DROP INLET TO COINCIDE WITH NORMAL OR SUPERELEVATED SHOULDER OR PAVEMENT SLOPE.



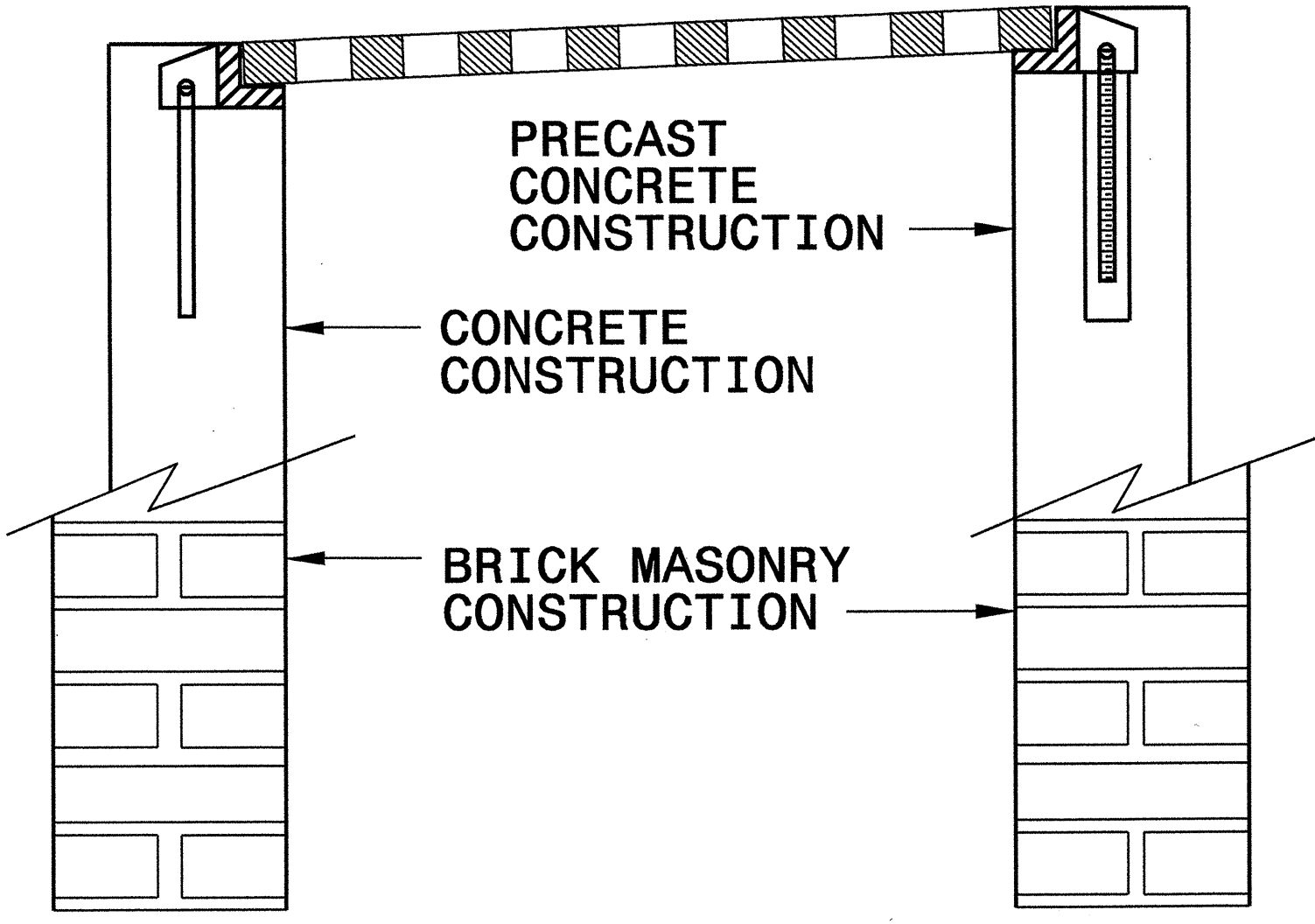
MASONRY ANCHOR
3/8" DIA. BOLT WITH PLATE



CONCRETE ANCHOR
3/8" DIA. BENT BAR



PRECAST CONCRETE ANCHOR
3/8" DIA. BENT BAR

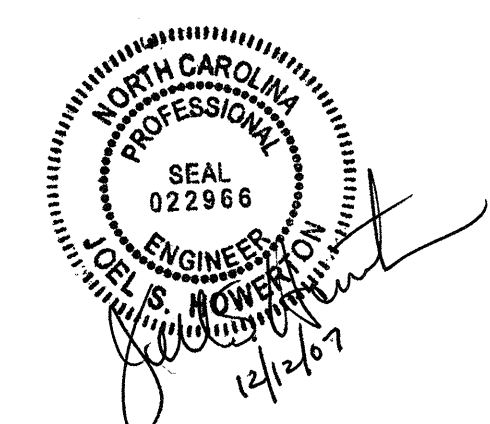


FRAME AND GRATE INSTALLATION FOR NORMAL CROWN AND SUPERELEVATED SECTIONS

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

ENGLISH DETAIL DRAWING FOR
ANCHORAGE FOR FRAMES
BRICK/CONCRETE/PRECAST CONCRETE

SHEET 1 OF 1
840D25



PROJECT SERVICES UNIT
STANDARDS AND SPECIAL DESIGN
Office 919-250-4128 FAX 919-250-4119

SEE PLATE FOR TITLE

ORIGINAL BY: 2006 STD 840.25 DATE: 07/18/06
MODIFIED BY: E.E. WARD DATE: 9/25/06
CHECKED BY: DATE:
FILE SPEC.:

01-MAR-2007 09:04 s:\contracts\con\064535\special_details\venward\stds\06' stds to special_details\84025 anchorage for frames\0840d25.dgn J:\power\com - RT PS212260

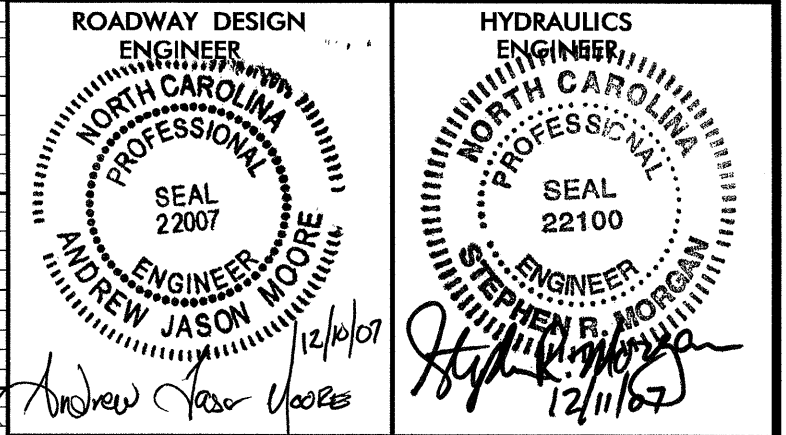
PROJECT REFERENCE NO. B-4228	SHEET NO. 3
RW SHEET NO.	
ROADWAY DESIGN ENGINEER ANDREW JASON MOORE PROFESSIONAL SEAL 22007	HYDRAULICS ENGINEER

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
ROADWAY SUMMARY OF QUANTITIES FOR CONTRACT - C201549

ItemNumber	Sec #	Quantity	Unit	Description	ItemNumber	Sec #	Quantity	Unit	Description
000100000-N	800	Lump Sum		MOBILIZATION	315000000-N	862	5	EA	ADDITIONAL GUARDRAIL POSTS
002900000-N	SP	Lump Sum		REINFORCED BRIDGE APPROACH FILL STATION ***** (14+62.50)	327000000-N	SP	4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
005000000-E	226	1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	331700000-N	862	4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
005700000-E	226	200	CY	UNDERCUT EXCAVATION	364900000-E	876	5	TON	RIP RAP, CLASS B
006300000-N	SP	Lump Sum		GRADING	365600000-E	876	160	SY	FILTER FABRIC FOR DRAINAGE
010600000-E	230	850	CY	BORROW EXCAVATION	440000000-E	1110	304	SF	WORK ZONE SIGNS (STATIONARY)
019500000-E	265	100	CY	SELECT GRANULAR MATERIAL	441000000-E	1110	114	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
019600000-E	270	100	SY	FABRIC FOR SOIL STABILIZATION	444500000-E	1145	136	LF	BARRICADES (TYPE III)
031800000-E	300	10	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	600000000-E	1605	1,050	LF	TEMPORARY SILT FENCE
066000000-E	310	48	LF	***BIT COAT CS PIPE CULVERTS, TYPE A ***** THICK (15", 0.064" THICK)	600600000-E	1610	75	TON	STONE FOR EROSION CONTROL, CLASS A
068000000-E	310	4	EA	*** BIT COAT CS PIPE ELBOWS, TYPE A ***** THICK (15", 0.064" THICK)	600900000-E	1610	50	TON	STONE FOR EROSION CONTROL, CLASS B
148900000-E	610	230	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	601200000-E	1610	35	TON	SEDIMENT CONTROL STONE
152500000-E	610	215	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	601500000-E	1615	1.5	ACR	TEMPORARY MULCHING
156000000-E	620	25	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	601800000-E	1620	50	LB	SEED FOR TEMPORARY SEEDING
202200000-E	815	30	CY	SUBDRAIN EXCAVATION	602100000-E	1620	0.25	TON	FERTILIZER FOR TEMPORARY SEEDING
203300000-E	815	20	CY	SUBDRAIN FINE AGGREGATE	602400000-E	1622	75	LF	TEMPORARY SLOPE DRAINS
204400000-E	815	100	LF	6" PERFORATED SUBDRAIN PIPE	602700000-N	1622	4	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
205500000-E	815	3	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS	602900000-E	SP	200	LF	SAFETY FENCE
206600000-N	815	1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	603000000-E	1630	40	CY	SILT EXCAVATION
207700000-E	815	6	LF	6" OUTLET PIPE (SUBDRAINS)	603600000-E	1631	120	SY	MATTING FOR EROSION CONTROL
228600000-N	840	2	EA	MASONRY DRAINAGE STRUCTURES	604200000-E	1632	100	LF	1/4" HARDWARE CLOTH
235500000-N	840	2	EA	FRAME WITH GRATE, STD 840.29	604800000-E	SP	100	SY	FLOATING TURBIDITY CURTAIN
255600000-E	846	40	LF	SHOULDER BERM GUTTER	608400000-E	1660	1.5	ACR	SEEDING & MULCHING
303000000-E	862	375	LF	STEEL BM GUARDRAIL	608700000-E	1660	1	ACR	MOWING
					609000000-E	1661	50	LB	SEED FOR REPAIR SEEDING
					609300000-E	1661	0.25	TON	FERTILIZER FOR REPAIR SEEDING

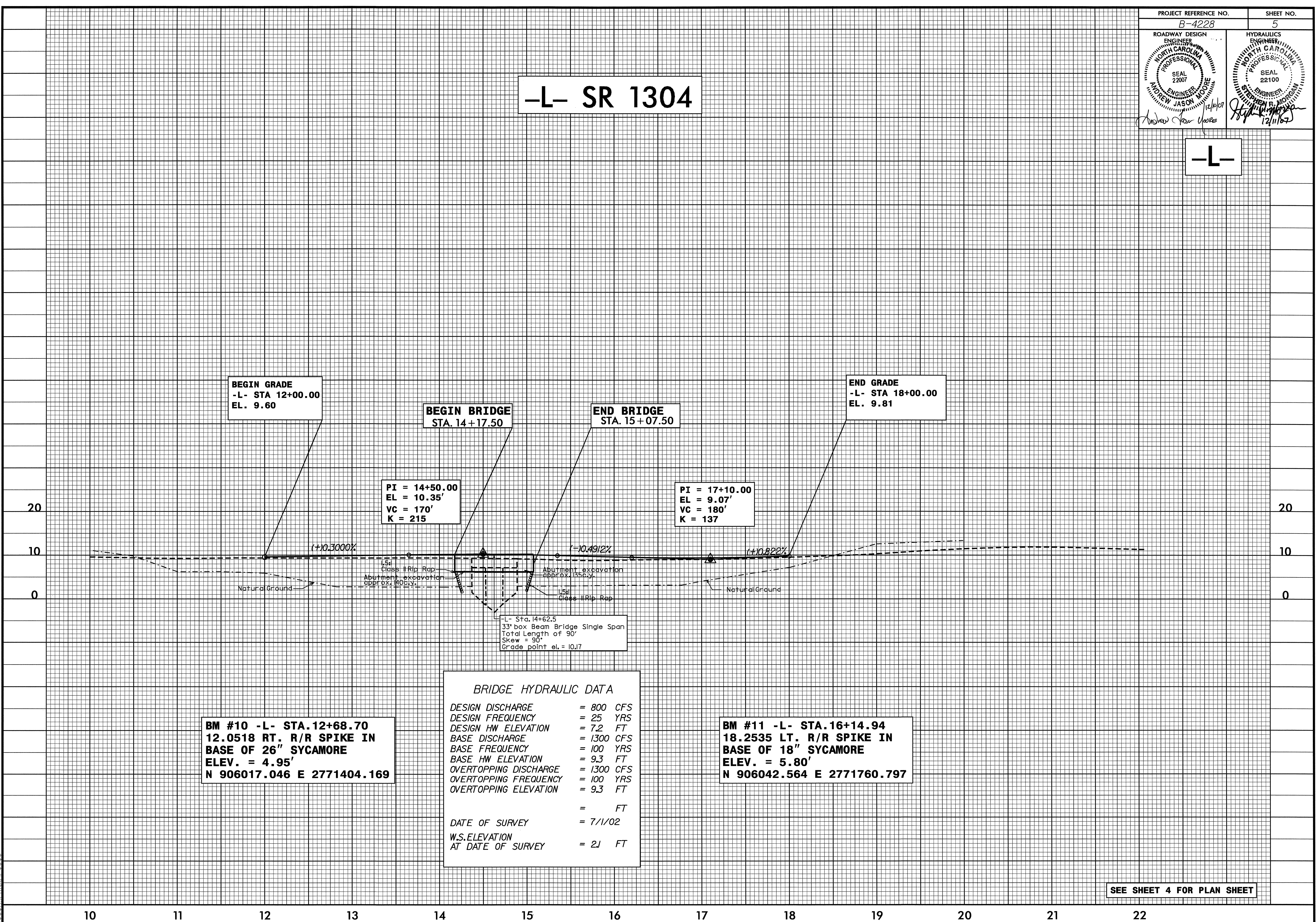
ItemNumber	Sec #	Quantity	Unit	Description
609600000-E	1662	50	LB	SEED FOR SUPPLEMENTAL SEEDING
610800000-E	1665	1	TON	FERTILIZER TOPDRESSING
611400000-N	SP	2	HR	SPECIALIZED HAND MOWING
611700000-N	SP	12	EA	RESPONSE FOR EROSION CONTROL

5/14/99



-L- SR 1304

-L-



BM #10 -L- STA. 12+68.70
 12.0518 RT. R/R SPIKE IN
 BASE OF 26" SYCAMORE
 ELEV. = 4.95'
 N 906017.046 E 2771404.169

BRIDGE HYDRAULIC DATA	
DESIGN DISCHARGE	= 800 CFS
DESIGN FREQUENCY	= 25 YRS
DESIGN HW ELEVATION	= 7.2 FT
BASE DISCHARGE	= 1300 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 9.3 FT
OVERTOPPING DISCHARGE	= 1300 CFS
OVERTOPPING FREQUENCY	= 100 YRS
OVERTOPPING ELEVATION	= 9.3 FT
	= FT
DATE OF SURVEY	= 7/1/02
W.S. ELEVATION	= 2J FT
AT DATE OF SURVEY	

BM #11 -L- STA. 16+14.94
 18.2535 LT. R/R SPIKE IN
 BASE OF 18" SYCAMORE
 ELEV. = 5.80'
 N 906042.564 E 2771760.797

SEE SHEET 4 FOR PLAN SHEET

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