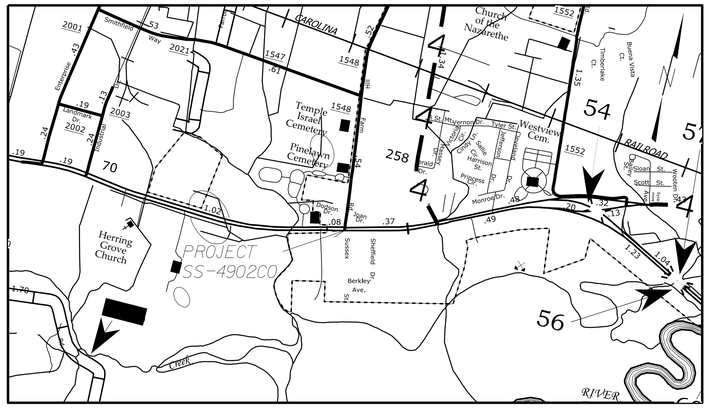
09/08/99

TIP PROJECT: SS–4902CO

CONTRACT: DB00438



See Sheet 1A For Index of Sheets

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

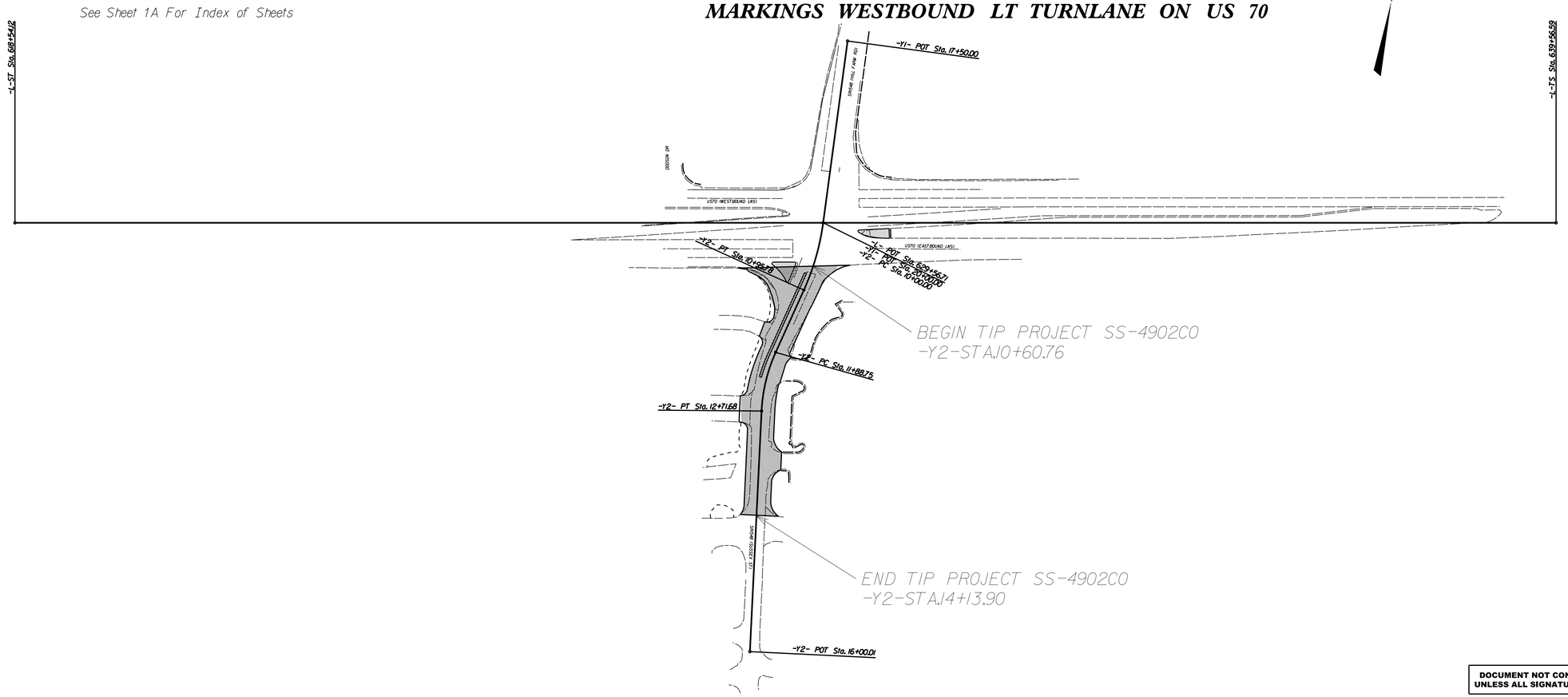
LENOIR COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	SS–4902CO	1	15

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
47642.1.1	HSIP–0070(214)	PE
47642.3.1		CONST

LOCATION: US 70 AT SR1548 (HILL FARM ROAD) / SUSSEX STREET

TYPE OF WORK: WIDEN SUSSEX STREET TO CONSTRUCT A CONCRETE MEDIAN ISLAND, INSTALLATION CONCRETE MEDIAN ISLAND & PAVEMENT MARKINGS WESTBOUND LT TURNLANE ON US 70



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GRAPHIC SCALES

50 25 0 50 100
PLANS

0
PROFILE (HORIZONTAL)

0
PROFILE (VERTICAL)

PROJECT LENGTH

LENGTH ROADWAY PROJECT SS–4902CO = 0.146 MI

Prepared In the Office of:
DIVISION OF HIGHWAYS
1037 WH SMITH BLVD, GREENVILLE, NC

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: N/A

LETTING DATE: AUGUST 2018

JEFFREY D. CABANISS, PE
PROJECT ENGINEER

RICH GODLEY
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 034398 ENGINEER JEFFREY D. CABANISS

DocuSigned by: Jeffrey D. Cabaniss
P.E. 5/7/2018
SIGNATURE:

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 034398 ENGINEER JEFFREY D. CABANISS

DocuSigned by: Jeffrey D. Cabaniss
P.E. 5/7/2018
SIGNATURE:

STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION •

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8/17/99

PROJECT REFERENCE NO.	SHEET NO.
SS-4902C0	1A

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

INDEX OF SHEETS

GENERAL NOTES:

2018 SPECIFICATIONS
EFFECTIVE: 01-16-2018

SUBSURFACE PLANS:

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

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.

GRADING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED OR FUTURE SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. GRADE LINES MAY BE ADJUSTED AT THEIR BEGINNING AND ENDING AND AT STRUCTURES AS DIRECTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

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 INVOLVED.

UTILITIES:

OWNERS:
CITY OF KINSTON
PIEDMONT NATURAL GAS

2018 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 16, 2018 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 - SECONDARY AND LOCAL
DIVISION 5 - SUBGRADE, BASES AND SHOULDERS	
560.01	METHOD OF SHOULDER CONSTRUCTION
DIVISION 8 - INCIDENTALS	
852.01	CONCRETE ISLANDS
DIVISION 11 - WORK ZONE TRAFFIC CONTROL	
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
DIVISION 12 - PAVEMENT MARKINGS, MARKERS AND DELINEATION	
1205.01	LINE TYPES OFFSETS
1205.02	DIVIDED AND UNDIVIDED ROADWAYS
1205.05	TURN LANES
1205.08	SYMBOLS AND WORD MESSAGES
DIVISION 16 - EROSION CONTROL	
1605.01	TEMPORARY SILT FENCE

DIVISION 16 - EROSION CONTROL
1605.01 TEMPORARY SILT FENCE

12/2/2016

PROJECT REFERENCE NO.	SHEET NO.
55-4902C0	1B

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
- Computed 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 — S
- Potential Contamination Area: Soil — S
- Known Contamination Area: Water — W
- Potential Contamination Area: Water — W
- 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 & PROJECT CONTROL:

- Secondary Horiz and Vert Control Point
- Primary Horiz Control Point
- Primary Horiz and Vert Control Point
- Exist Permanent Easement Pin and Cap
- New Permanent Easement Pin and Cap
- Vertical Benchmark
- Existing Right of Way Marker
- Existing Right of Way Line
- New Right of Way Line — RW
- New Right of Way Line with Pin and Cap — RW
- New Right of Way Line with Concrete or Granite R/W Marker — RW
- New Control of Access Line with Concrete C/A Marker — CA
- Existing Control of Access — CA
- New Control of Access — CA
- Existing Easement Line — E
- New Temporary Construction Easement — E
- New Temporary Drainage Easement — TDE
- New Permanent Drainage Easement — PDE
- New Permanent Drainage / Utility Easement — DUE
- New Permanent Utility Easement — PUE
- New Temporary Utility Easement — TUE
- New Aerial Utility Easement — AUE

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.

SURVEY CONTROL SHEET

CHAIN DESCRIPTIONS

-Y2- DESCRIPTION
Curve Data

Curve Y2C1
P.I. Station 10+48.23 N 552,803.5995 E 2,403,492.6064
Delta = 16° 42' 48.57" (RT)
Degree = 17° 27' 00.63"
Tangent = 48.2317
Length = 95.7784
Radius = 328.3393
External = 3.5236
Long Chord = 95.4391
Mid.Ord. = 3.4862
P.C. Station 10+00.00 N 552,851.4988 E 2,403,486.9537
P.T. Station 10+95.78 N 552,756.0981 E 2,403,484.2451
C.C. N 552,813.0181 E ,403,160.8772
Back = S 6° 43' 49.49" E
Ahead = S 9° 58' 59.08" W
Chord Bear = S 1° 37' 34.80" W

Course from PT Y2C1 to PC Y2C2 S 9° 58' 59.08" W Dist 92.9716'

Curve Data

P.I. Station 12+30.71 N 552,623.2083 E 2,403,460.8535
Delta = 21° 35' 49.08" (LT)
Degree = 26° 02' 36.73"
Tangent = 41.9612
Length = 82.9264
Radius = 220.0000
External = 3.9659
Long Chord = 82.4363
Mid.Ord. = 3.8957
P.C. Station 11+88.75 N 552,664.5342 E 2,403,468.1278
P.T. Station 12+71.68 N 552,582.1062 E 2,403,469.3009
C.C. N 552,626.3956 E 2,403,684.7967
Back = S 9° 58' 59.08" W
Ahead = S 11° 36' 50.00" E
Chord Bear = S 0° 48' 55.46" E

Course from PT Y2C2 to 16 S 11° 36' 50.00" E Dist 328.3336'

Point 16 N 552,260.4948 E 2,403,535.3995 Sta 16+00.01

CONTROL POINTS

-BL-1_Point 1 N 552,884.6310 E 2,403,399.5900 ELEV= 43.94'

-BL-2_Point 2 N 553,024.2950 E 2,403,901.6020 ELEV= 45.80'

-BL-3_Point 3 N 552,366.3300 E 2,403,530.8270 ELEV= 42.73'

-BL-4_Point 4 N 552,695.5140 E 2,403,391.1350 ELEV= 42.53'

-BL-5_Point 5 N 552,753.6580 E 2,403,541.8040 ELEV= 42.74'

-L- DESCRIPTION

Point 10 N 552,577.4977 E 2,402,418.9518 Sta 618+54.12

Course from 10 to 12 N 75° 36' 39.00" E Dist 2,102.4700'

Point 12 N 553,099.9757 E 2,404,455.4677 Sta 639+56.59

-Y1- DESCRIPTION

Point 13 N 553,099.7759 E 2,403,457.6543 Sta 17+50.00

Course from 13 to 11 S 6° 43' 49.49" E Dist 250.0000'

Point 11 N 552,851.4988 E 2,403,486.9537 Sta 20+00.00

REVISIONS

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
SS-4902C0	2

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 034398 ENGINEER JEFFREY D. CABANISS

5/11/2018

PAVEMENT DESIGN ENGINEER

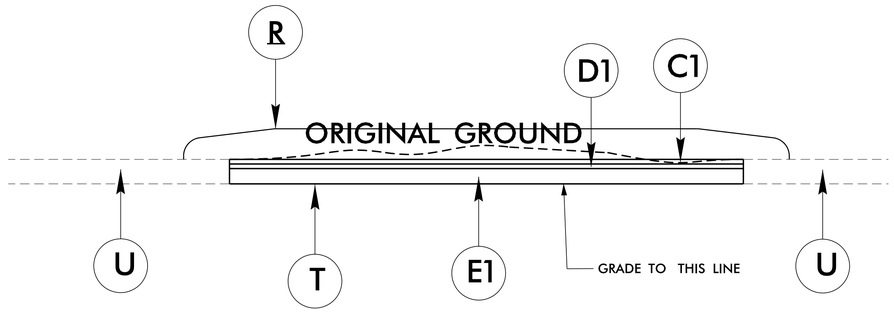
NORTH CAROLINA PROFESSIONAL SEAL 034398 ENGINEER JEFFREY D. CABANISS

5/11/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

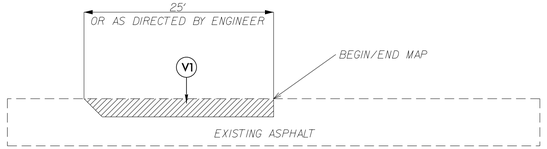
C1	PROP. APPROX. 2.0″ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ.YD.
D1	PROP. APPROX. 3.0″ ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
E1	PROP. APPROX. 5.0″ ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
R	PROP. 5″ CONCRTE MONOLITHIC ISLAND (SURFACE MOUNT)
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
V1	INCIDENTAL MILLING.

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

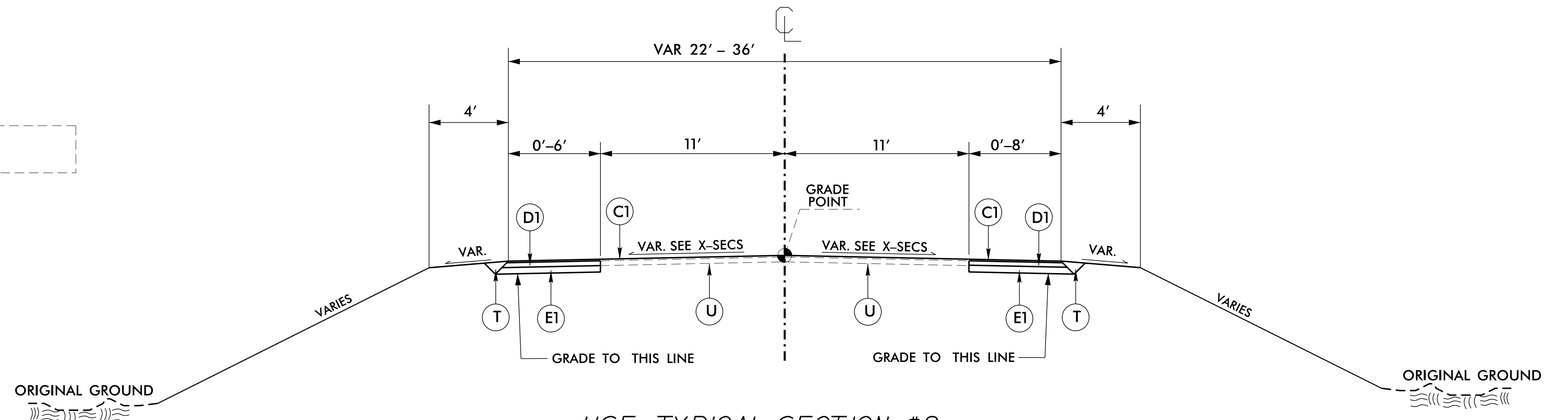


USE TYPICAL SECTION #1

-L- 630+04.23 - 630+48.46



INCIDENTAL MILLING DETAIL



USE TYPICAL SECTION #2

-Y2- 11+50.00 - 14+00.00

REVISIONS

8/17/99

5/28/99

PROJECT REFERENCE NO.	SHEET NO.
SS-4902CO	3

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF QUANTITIES

SECT	QUANTITY	UNIT	ITEM DESCRIPTION
800	1	LS	MOBILIZATION
801	1	LS	CONSTRUCTION SURVEYING
226	1	LS	GRADING
607	350	SY	INCIDENTAL MILLING
610	100	TON	ASPHALT CONCRETE BASE COURSE,TYPE B25.0C
610	60	TON	ASPHALT CONCRETE INTERMEDIATE COURSE,TYPE I19.0C
610	210	TON	ASPHALT CONCRETE SURFACE COURSE,TYPE S9.5B
620	20	TON	ASPHALT BINDER FOR PLANT MIX
852	100	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNT)
852	52	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
858	1	EA	ADJUSTMENT OF MANHOLES
858	4	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
SP	96	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
SP	1	LS	TEMPORARY TRAFFIC CONTROL
1205	850	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4",90MILS)
1205	850	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4",120MILS)
1205	100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6",90MILS)
1205	165	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8",90MILS)
1205	26	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24",120MILS)
1205	11	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90MILS)
1205	200	LF	REMOVAL OF PAVEMENT MARKING LINES (6")
1605	400	LF	TEMPORARY SILT FENCE
1610	5	TON	SEDIMENT CONTROL STONE
1615	1	ACRE	TEMPORARY MULCHING
1620	50	LB	SEED FOR TEMPORARY SEEDING
1620	.20	TON	FERTILIZER FOR TEMPORARY SEEDING
1632	50	LF	1/4" HARDWARE CLOTH
1660	1	ACRE	SEEDING AND MULCHING
1661	50	LB	SEED FOR REPAIR SEEDING
1661	.20	TON	FERTILIZER FOR REPAIR SEEDING
SP	4	EA	RESPONSE FOR EROSION CONTROL
SP	100	LF	COIR FIBER WATTLE
SP	1	LB	POLYACRYLAMIDE
SP	1	EA	CONCRETE WASHOUT STRUCTURE

$$$$SYSTIME$$$$
$$$$STIME$$$$
$$$$CFNAME$$$$
$$$$FILENAME$$$$

4/04/06

COMPUTED BY: RG DATE:
CHECKED BY: LJ DATE:

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
SS-4902C0	3A

SUMMARY OF EARTHWORK
IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	BOX CULVERT EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
–L– 630+04.23 – 630+48.46	15	0	0	0	0	0
–Y2– 11+50.00 – 14+00.00	61	0	0	20	0	41
SUB TOTAL	76	0	0	20	0	41
SAY	80	0	0	20	0	41

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."

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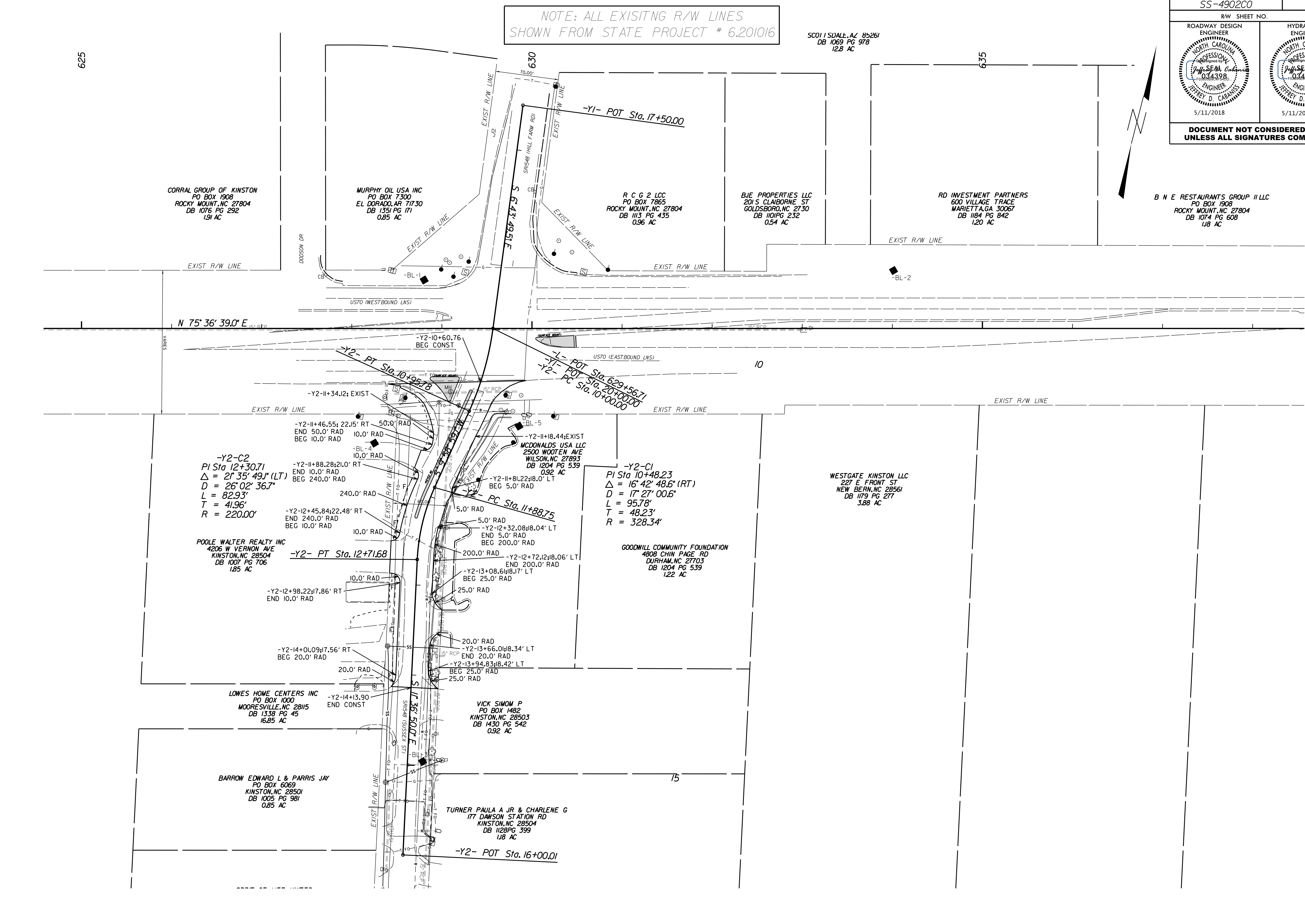
PROJECT REFERENCE NO.	SHEET NO.
SS-4902CO	4
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 034398 ENGINEER JEFFREY D. CABANISS — 5/11/2018

HYDRAULICS ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 034398 ENGINEER JEFFREY D. CABANISS — 5/11/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



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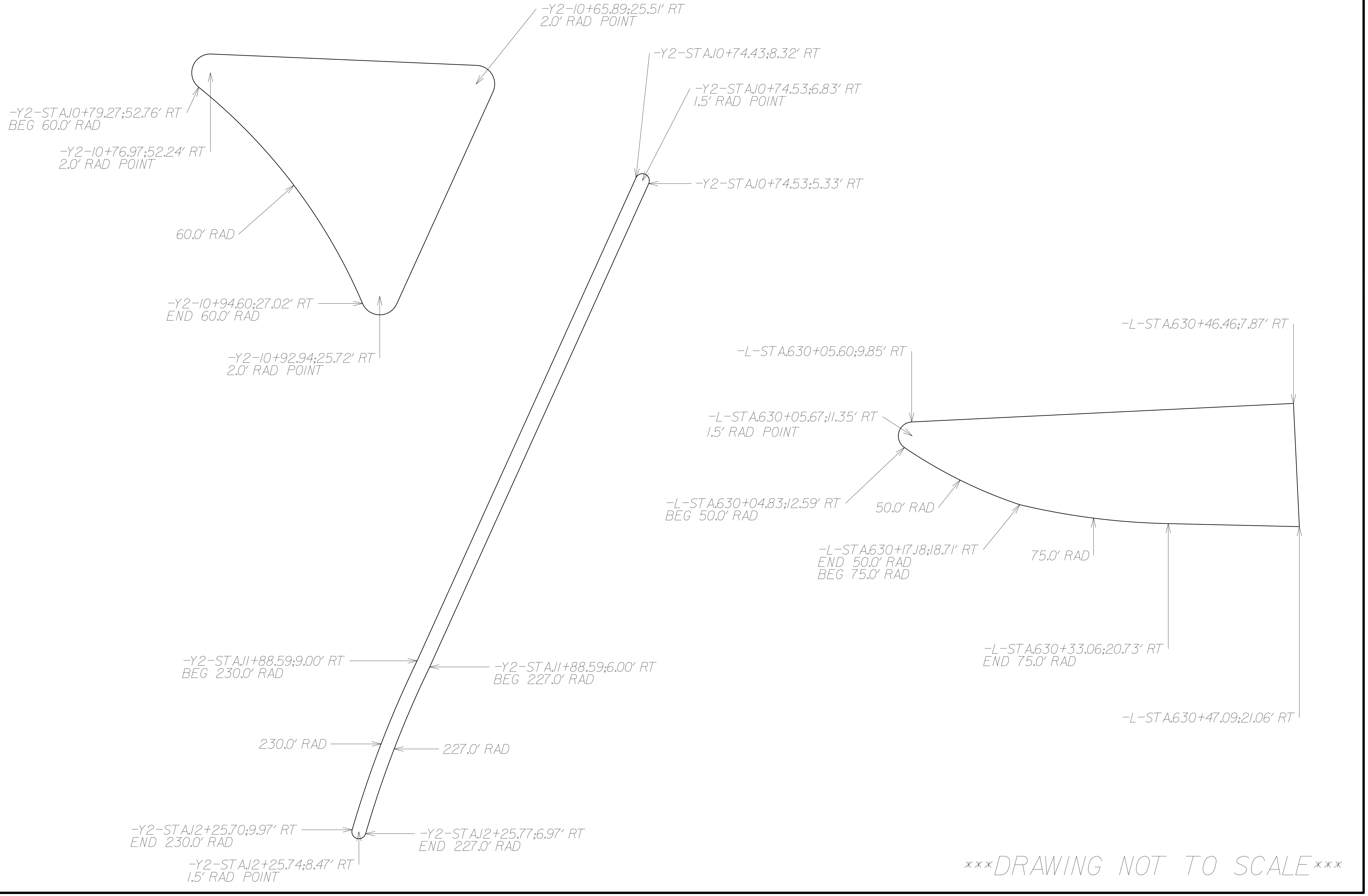
PROJECT REFERENCE NO.	SHEET NO.
SS-4902CO	5

CONCRETE ISLAND LAYOUT



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REVISIONS

8/17/99

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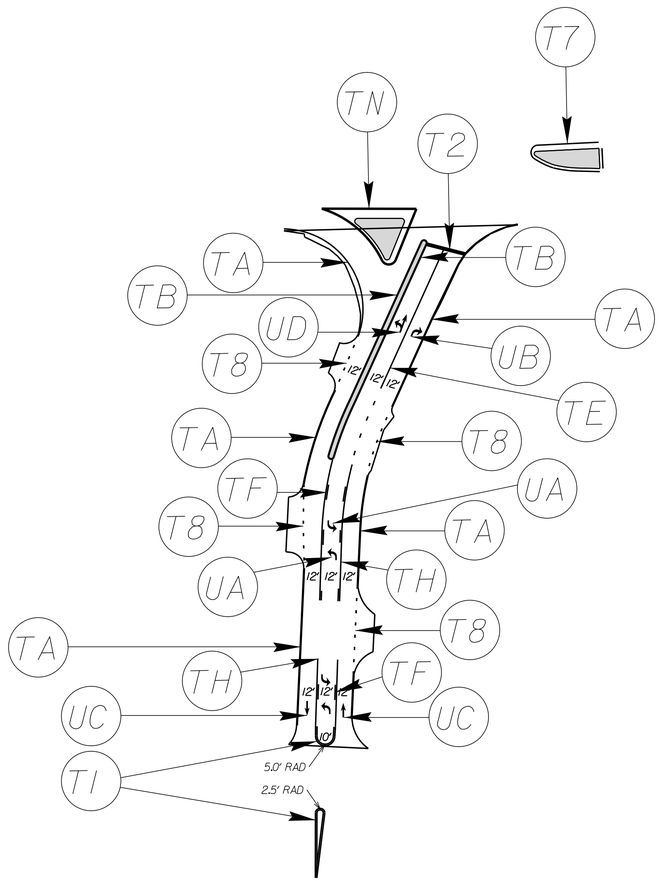
PROJECT REFERENCE NO.	SHEET NO.
SS-4902CO	PMP1

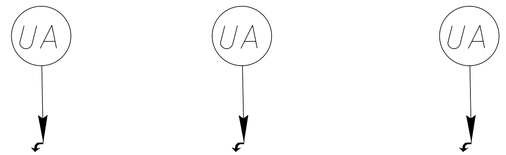
PAVEMENT MARKING SCHEDULE

PAVEMENT MARKING LINES AND SYMBOLS

T2 - THERMOPLASTIC PAVEMENT MARKING (24" WHITE, 120MILS) STOP BAR
T7 - THERMOPLASTIC PAVEMENT MARKING (6" YELLOW, 90MILS) SOLID EDGE LINE
T8 - THERMOPLASTIC PAVEMENT MARKING (4" WHITE, 120MILS) 2'-6'/SP MINISKIP LINE
TA - THERMOPLASTIC PAVEMENT MARKING (4" WHITE, 90MILS) SOLID EDGE LINE
TB - THERMOPLASTIC PAVEMENT MARKING (4" YELLOW, 90MILS) SOLID EDGE LINE
TD - THERMOPLASTIC PAVEMENT MARKING (4" WHITE, 120MILS) 3'-9'/SP MINISKIP LINE
TE - THERMOPLASTIC PAVEMENT MARKING (4" WHITE, 120MILS) SOLID LANE LINE
TF - THERMOPLASTIC PAVEMENT MARKING (4" YELLOW, 120MILS) 10' SKIP LINE
TH - THERMOPLASTIC PAVEMENT MARKING (4" YELLOW, 120MILS) SINGLE CENTER LINE
TI - THERMOPLASTIC PAVEMENT MARKING (4" YELLOW, 120MILS) DOUBLE CENTER LINE
TK - THERMOPLASTIC PAVEMENT MARKING (6" WHITE, 120MILS) 3'-9'/SP MINI SKIP LINE
TL - THERMOPLASTIC PAVEMENT MARKING (6" WHITE, 120MILS) SOLID LANE LINE
TN - THERMOPLASTIC PAVEMENT MARKING (8" WHITE, 90MILS) SOLID GORE LINE
UA - THERMOPLASTIC PAVEMENT SYMBOL (WHITE, 90MILS) LEFT ARROW
UB - THERMOPLASTIC PAVEMENT SYMBOL (WHITE, 90MILS) RIGHT ARROW
UC - THERMOPLASTIC PAVEMENT SYMBOL (WHITE, 90MILS) STRAIGHT ARROW
UD - THERMOPLASTIC PAVEMENT SYMBOL (WHITE, 90MILS) COMBO. LEFT/STRAIGHT ARROW



××× FINAL SIGNAGE TO BE PREFORMED BY NCDOT TRAFFIC SERVICES ×××



NOTE

THERMOPLASTIC MARKINGS AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, NCDOT ROADWAY STANDARD DRAWINGS, AND THE CURRENT EDITON OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). QUANTITIES FOR THESE ITEMS HAVE BEEN ACCOUNTED FOR IN THE CONTRACT BID FORM.

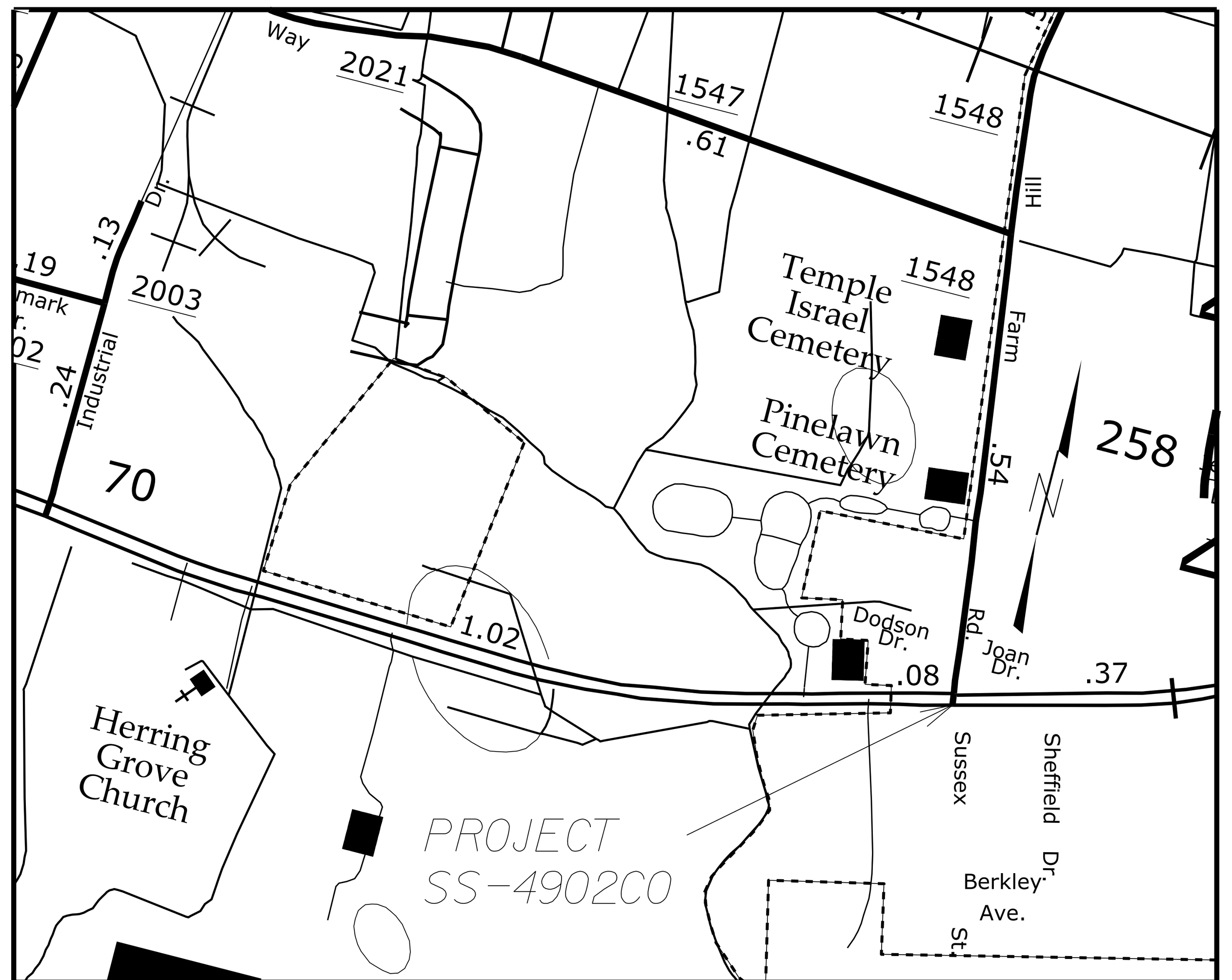
8/17/99

REVISIONS

TIP PROJECT: SS-4902CO

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	SS-4902CO	EC-1	3

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
47642.1.1	HSIP-0070(214)	PE
47642.3.1		CONST



VICINITY MAP
(NOT TO SCALE)

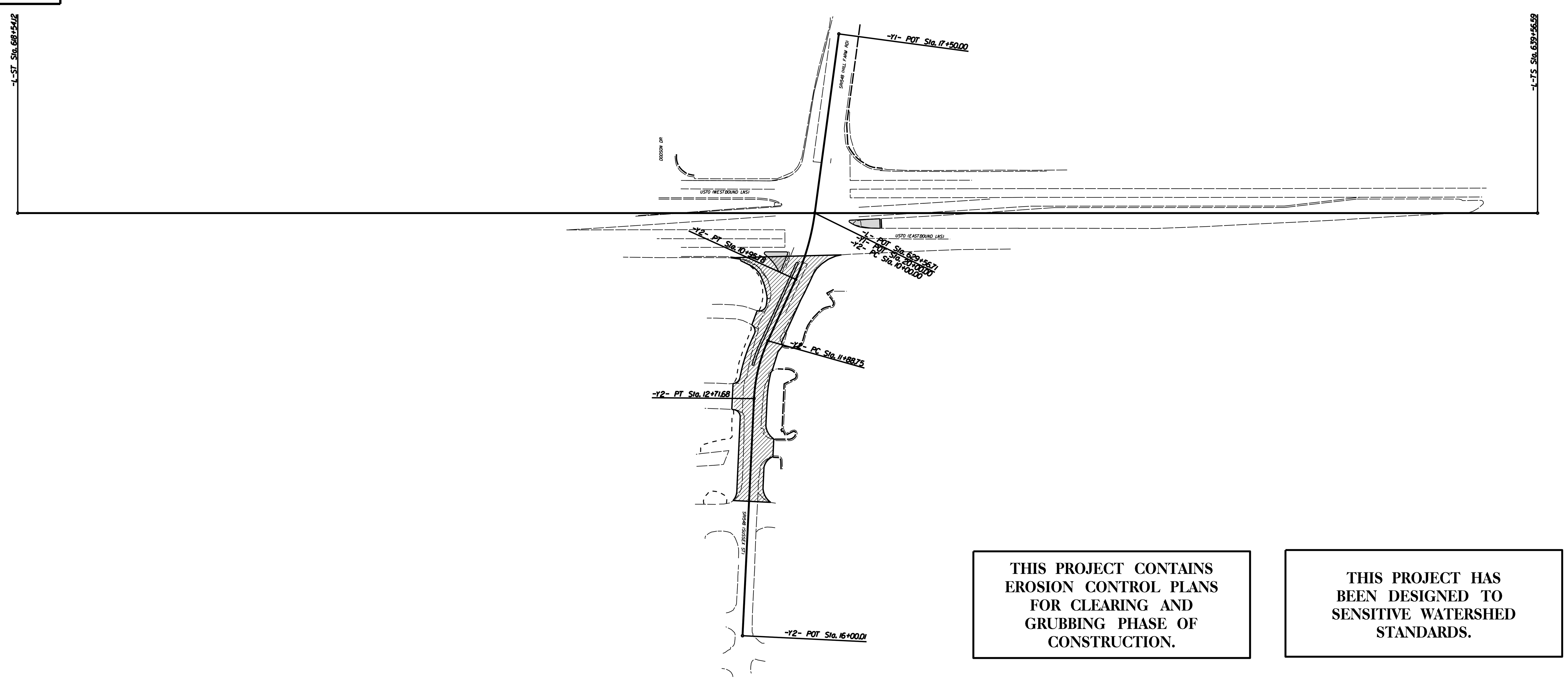
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

LOCATION: US70 AT SUSSEX STREET
LENOIR COUNTY

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	
1630.05	Temporary Diversion	
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	
1630.02	Silt Basin Type B	
1633.01	Temporary Rock Silt Check Type-A	
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	
1633.02	Temporary Rock Silt Check Type-B	
	Wattle/ Coir Fiber Wattle	
	Wattle/ Coir Fiber Wattle with Polyacrylamide (PAM)	
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	
1630.06	Special 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	



THIS PROJECT CONTAINS EROSION CONTROL PLANS FOR CLEARING AND GRUBBING PHASE OF CONSTRUCTION.

THIS PROJECT HAS BEEN DESIGNED TO SENSITIVE WATERSHED STANDARDS.

GRAPHIC SCALE

25 0 50

PLANS

ROADSIDE ENVIRONMENTAL UNIT
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

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.

2018 STANDARD SPECIFICATIONS

Prepared In the Office of:

DIVISION OF HIGHWAYS
1037 WH SMITH BLVD
GREENVILLE, NC 27834

Rich Godley
Level III
Certification #3559

Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"– Roadway Design Unit – N. C. Department of Transportation – Raleigh, N. C., dated January 2018 and the latest 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

PROJECT REFERENCE NO.	SHEET NO.
SS-4902CO	EC2

8/17/99

REVISIONS

CORRAL GROUP OF KINSTON
PO BOX 1908
ROCKY MOUNT, NC 27804
DB 1076 PG 292
1.91 AC

MURPHY OIL USA INC
PO BOX 7300
EL DORADO, AR 71730
DB 1351 PG 171
0.85 AC

BRE RETAIL RESIDUAL NC OWNER
PO BOX 4900
SCOTTSDALE, AZ 85261
DB 1069 PG 978
12.8 AC

R C G 2 LCC
PO BOX 7865
ROCKY MOUNT, NC 27804
DB 1113 PG 435
0.96 AC

BJE PROPERTIES LLC
201 S CLAIBORNE ST
GOLDSBORO, NC 2730
DB 1101PG 232
0.54 AC

RD INVESTMENT PARTNERS
600 VILLAGE TRACE
MARIETTA, GA 30067
DB 1184 PG 842
1.20 AC

B N E RESTAURANTS GROUP II LLC
PO BOX 1908
ROCKY MOUNT, NC 27804
DB 1074 PG 608
1.18 AC

MCDONALDS USA LLC
2500 WOOTEN AVE
WILSON, NC 27893
DB 1204 PG 539
0.92 AC

WESTGATE KINSTON LLC
227 E FRONT ST
NEW BERN, NC 28561
DB 1179 PG 277
3.88 AC

POOLE WALTER REALTY INC
4206 W VERNON AVE
KINSTON, NC 28504
DB 1007 PG 706
1.85 AC

GOODWILL COMMUNITY FOUNDATION
4808 CHIN PAGE RD
DURHAM, NC 27703
DB 1204 PG 539
1.22 AC

LOWES HOME CENTERS INC
PO BOX 1000
MOORESVILLE, NC 28115
DB 1338 PG 45
16.85 AC

VICK SIMOM P
PO BOX 1482
KINSTON, NC 28503
DB 1430 PG 542
0.92 AC

BARROW EDWARD L & PARRIS JAY
PO BOX 6069
KINSTON, NC 28501

DODSON DR

SR1548 (HILL FARM RD)

SR1549 (SUSSEX ST)

EXIST R/W LINE

USTO (WESTBOUND LNS)

USTO (EASTBOUND LNS)

-Y1- POT Sta. 17+50.00

-Y2- PT Sta. 10+95.78

-L- POT Sta. 629+56.71

-Y1- POT Sta. 20+00.00

-Y2- PC Sta. 10+00.00

-Y2- PC Sta. 11+88.75

-Y2- PT Sta. 12+71.68

-L- TS Sta

N 75° 36' 39.0" E

S 67° 49' 51" E

S 31° 36' 56" W

S 31° 36' 50.0" E

70.00'

15" RCP

24" RCP

18" RCP

630

635

10

15

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.

Std. #	Description	Symbol
1605.01	Temporary Silt Fence	
1632.03	Rock Inlet Sediment Trap, Type "C"	

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	8/17/99

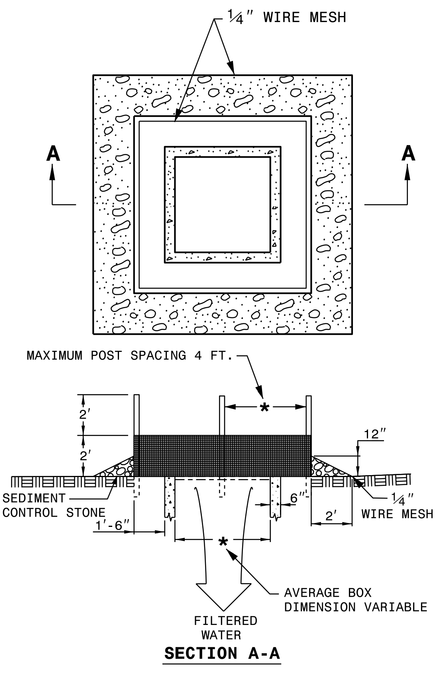
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR

ROCK INLET SEDIMENT TRAP TYPE 'C'

SHEET 1 OF 1

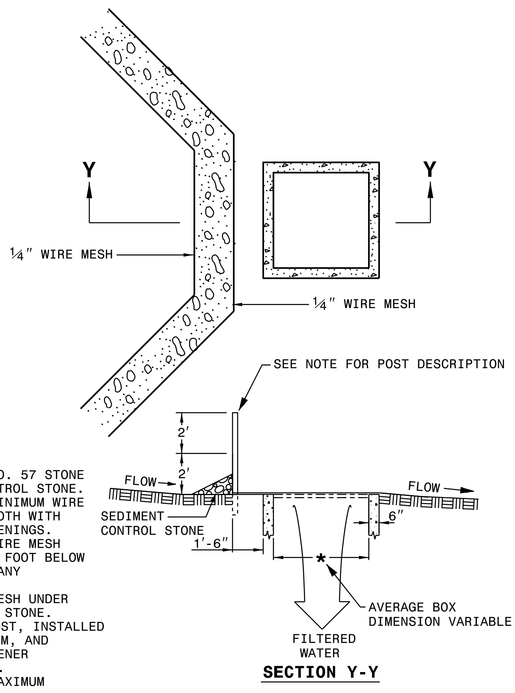
1632.03



SECTION A-A

MULTI-DIRECTIONAL FLOW

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

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 1 OF 1

1632.03

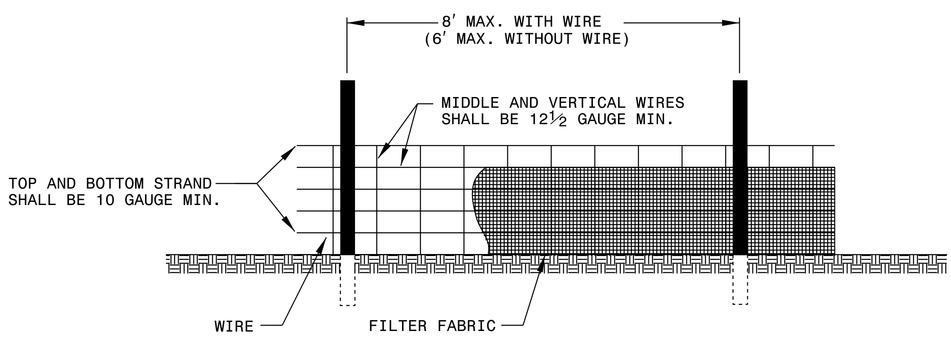
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR

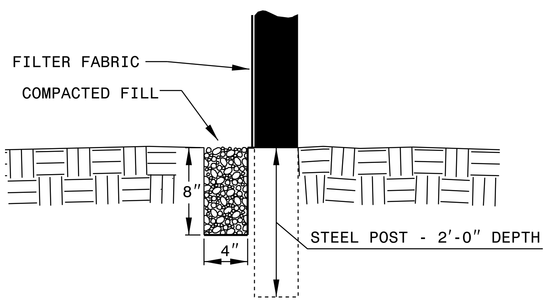
TEMPORARY SILT FENCE

SHEET 1 OF 1

1605.01



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 1 OF 1

1605.01

PROJECT REFERENCE NO.
SS-4902.00

SHEET NO.
EC3

5/9/06

PROJECT REFERENCE NO.	SHEET NO.
SS-4902CO	X1A

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SUMMARY OF EARTHWORK

IN CUBIC YARDS

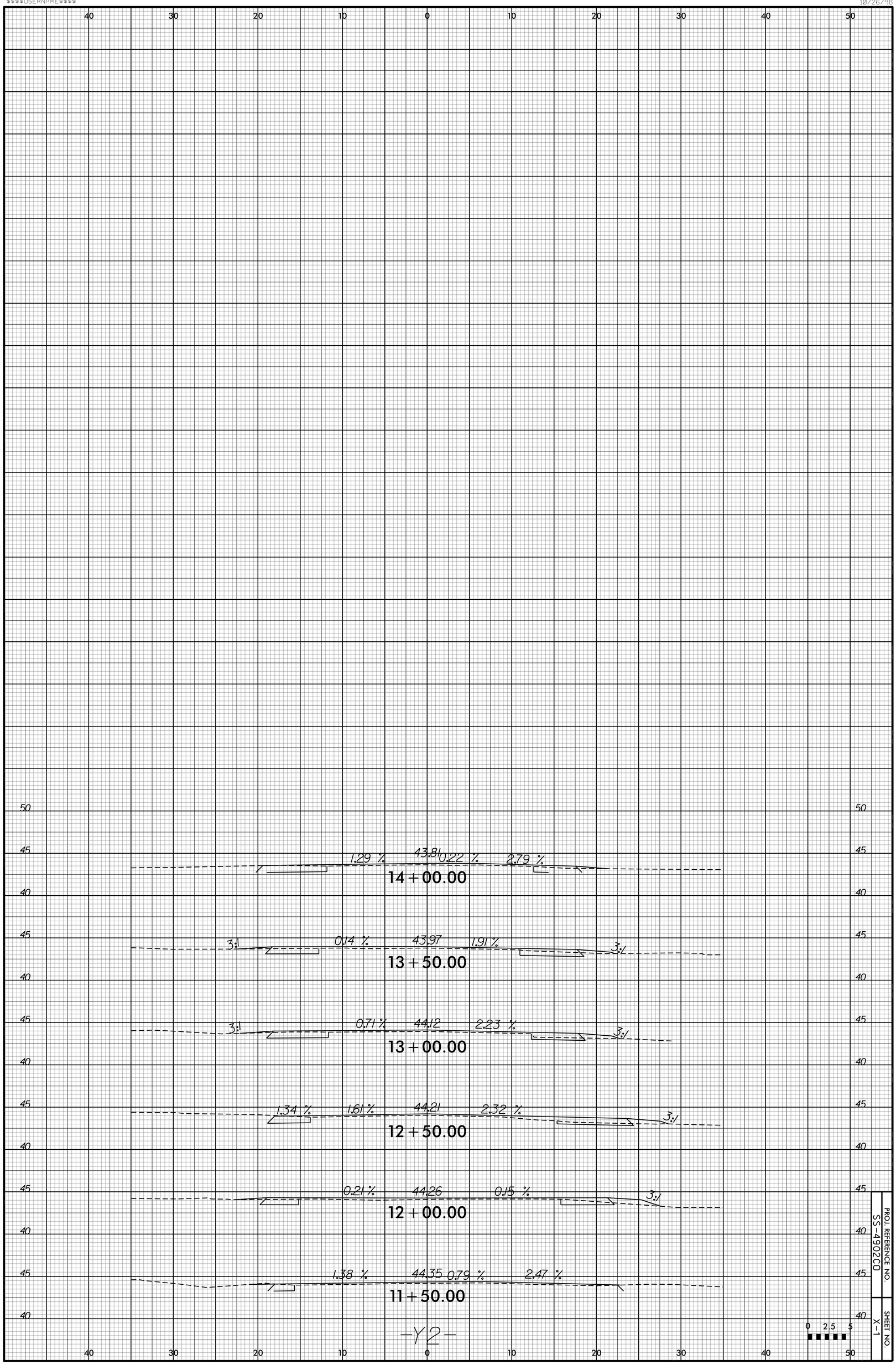
LOCATION (–Y2–)	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT
11+50.00	*0*		*0*
12+00.00	*9*		*4*
12+50.00	*11*		*6*
13+00.00	*12*		*4*
13+50.00	*13*		*4*
14+00.00	*16*		*2*

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT.

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."

10/26/98



PROJ. REFERENCE NO. SS-490200

SHEET NO. X-1