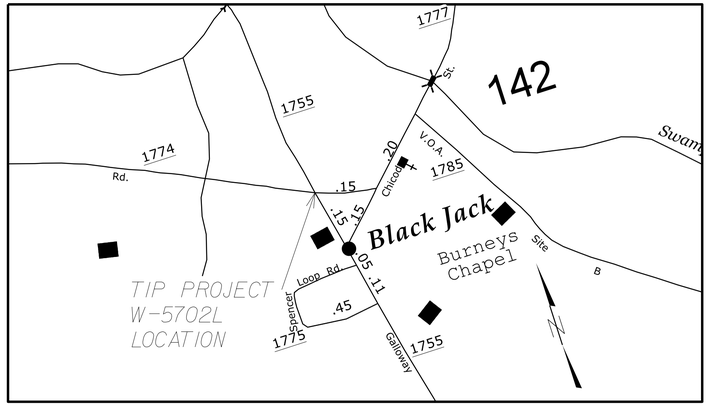
09/08/99

CONTRACT: DB00465 TIP PROJECT: W-5702L



See Sheet 1A For Index of Sheets

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

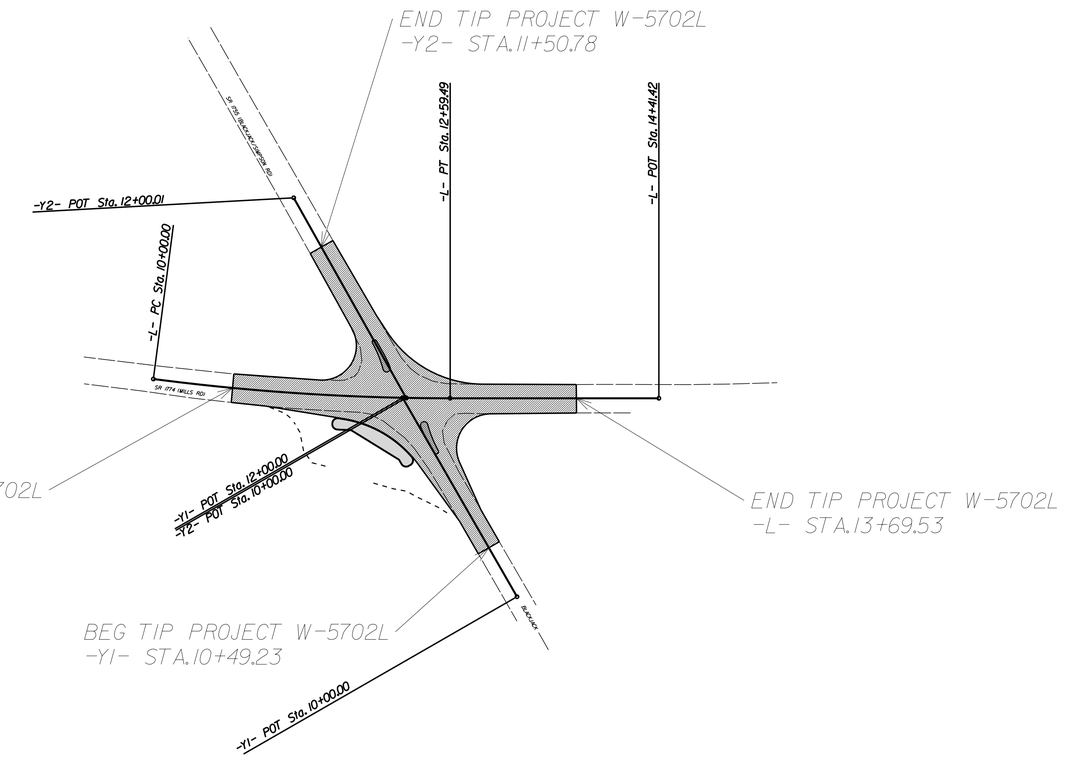
PITT COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5702L	1	22

STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
44848.1.12	HSIP-1755(011)	PE
44848.2.12	HSIP-1755(011)	R/W-UTILITY
44848.3.12	HSIP-1755(011)	CONST

LOCATION: SR1755 (BLACK JACK-SIMPSON ROAD AT SR1774 (MILLS ROAD)

TYPE OF WORK: INTERSECTION IMPROVEMENTS INCLUDING SKEW REVISIONS, VEGETATION REMOVAL AND CHANNELIZATION



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GRAPHIC SCALES

50 25 0 50 100
PLANS

0
PROFILE (HORIZONTAL)

0
PROFILE (VERTICAL)

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT W-5702L = 0.113 MI

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

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
NOVEMBER 2018

LETTING DATE:
MARCH 2019

JEFFREY D. CABANISS, PE
PROJECT ENGINEER

RICH GODLEY
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER
DocuSigned by: Jeffrey D. Cabaniss
SIGNATURE: 2/4/2019 P.E.
NORTH CAROLINA PROFESSIONAL SEAL 034398 ENGINEER JEFFREY D. CABANISS

ROADWAY DESIGN ENGINEER
DocuSigned by: Jeffrey D. Cabaniss
SIGNATURE: 2/4/2019 P.E.
NORTH CAROLINA PROFESSIONAL SEAL 034398 ENGINEER JEFFREY D. CABANISS

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

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PROJECT REFERENCE NO.	SHEET NO.
W-5702L	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.

SHOULDER CONSTRUCTION:

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

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:
CENTURYLINK
CONTERRA ULTRA BROADBAND
EASTERN PINES WATER CORPORATION
GREENVILLE UTILITIES COMMISSION
SUDDENLINK COMMUNICATIONS

RIGHT-OF-WAY MARKERS:

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

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	
200.2	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 - METHOD I
DIVISION 8 - INCIDENTALS	
846.01	CONCRETE CURB
852.01	CONCRETE ISLANDS
DIVISION 11 - WORK ZONE TRAFFIC CONTROL	
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
DIVISION 12 - PAVEMENT MARKINGS, MARKERS AND DELINEATION	
1205.01	LINE TYPES OFFSETS
1205.02	DIVIDED AND UNDIVIDED ROADWAYS
DIVISION 16 - EROSION CONTROL AND ROADSIDE DEVELOPMENT	
1605.01	TEMPORARY SILT FENCE
1633.01	TEMPORARY ROCK SILT CHECK, TYPE A

12/2/2016

PROJECT REFERENCE NO.	SHEET NO.
W-5702L	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 Easment 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*)
- U/G Water Line LOS C (S.U.E*)
- U/G Water Line LOS D (S.U.E*)
- 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:

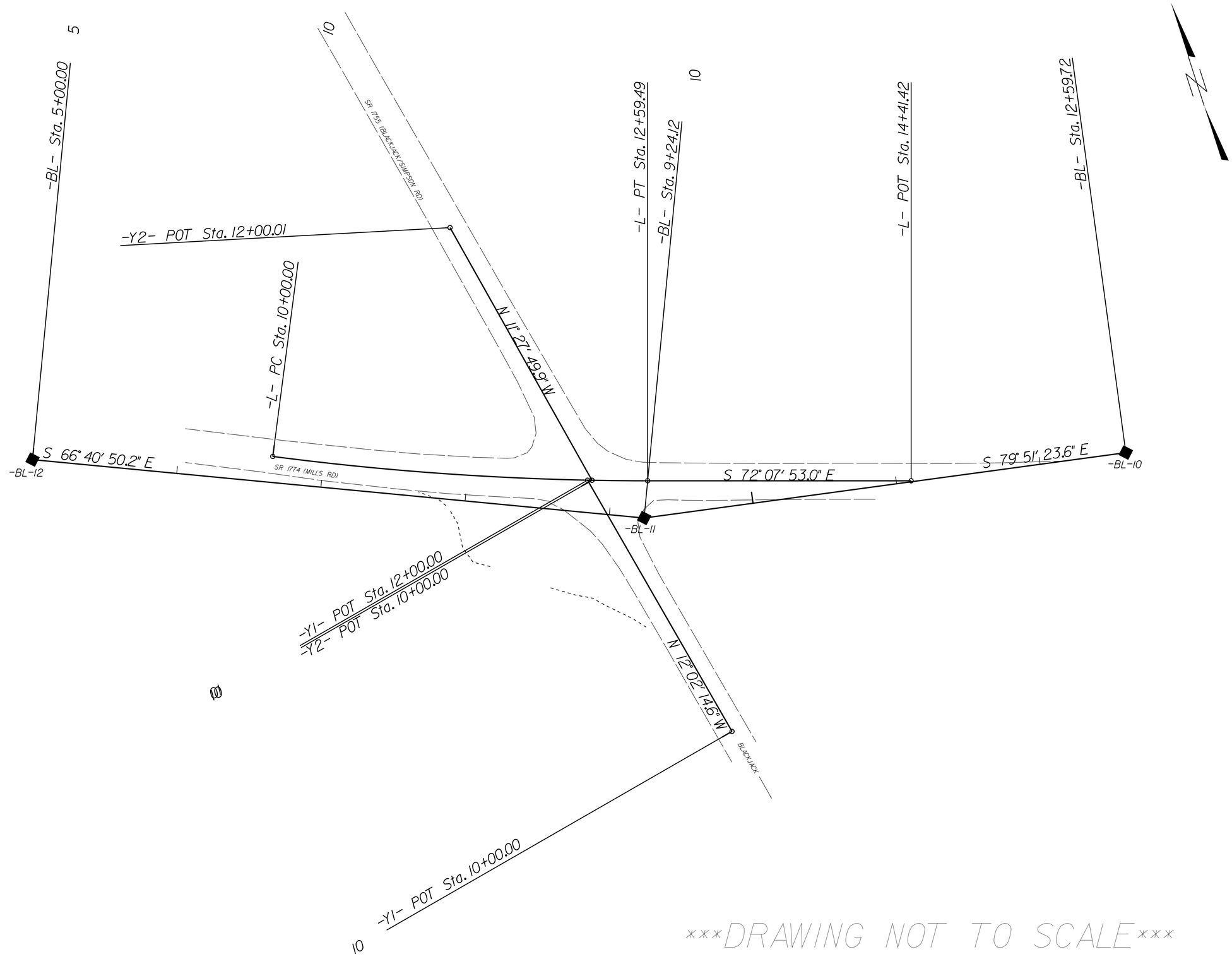
- Sanitary Sewer Manhole
- Sanitary Sewer Cleanout
- U/G Sanitary Sewer Line — SS
- Above Ground Sanitary Sewer — A/G Sanitary Sewer
- SS Forced Main Line LOS B (S.U.E.*) — FSS
- SS Forced Main Line LOS C (S.U.E.*) — FSS
- SS Forced Main Line LOS D (S.U.E.*) — FSS

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

PROJECT REFERENCE NO.	SHEET NO.
W-5702L	IC-1



REVISIONS

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PROJECT REFERENCE NO.	SHEET NO.
W-5702L	1C-2

SURVEY CONTROL SHEET

CHAIN DESCRIPTIONS

-L- DESCRIPTION

Curve Data

x----------x

Curve LC1

P.I. Station 11+29.93 N 643,080.2414 E 2,521,196.7015

Delta = 7° 26′ 01.82″ (LT)

Degree = 2° 51′ 53.24″

Tangent = 129.9273

Length = 259.4899

Radius = 2,000.0000

External = 4.2158

Long Chord = 259.3079

Mid.Ord. = 4.2070

P.C. Station 10+00.00 N 643,135.7719 E 2,521,079.2389

P.T. Station 12+59.49 N 643,040.3752 E 2,521,320.3614

C.C. N 644,943.9005 E 2,521,934.0317

Back = S 64° 41′ 51.21″ E

Ahead = S 72° 07′ 53.02″ E

Chord Bear = S 68° 24′ 52.11″ E

Course from PT LC1 to 23 S 72° 07′ 53.02″ E Dist 181.9334′

Point 23 N 642,984.5516 E 2,521,493.5188 Sta 14+41.42

CONTROL POINTS

-BL-12 N 643,184.5590 E 2,520,920.7000 Sta 5+00.00 ELEV=43.47′

Course from 12 to 11 S 66° 40′ 50.20″ E Dist 424.1236′

-BL-11 N 643,016.6670 E 2,521,310.1780 Sta 9+24.12 ELEV=43.94′

Course from 11 to 10 S 79° 51′ 23.57″ E Dist 335.5964′

-BL-10 N 642,957.5640 E 2,521,640.5290 Sta 12+59.72 ELEV=42.60′

-Y1- DESCRIPTION

Point 24 N 642,857.9032 E 2,521,322.7435 Sta 10+00.00

Course from 24 to 25 N 12° 02′ 14.63″ W Dist 200.0000′

Point 25 N 643,053.5055 E 2,521,281.0335 Sta 12+00.00

-Y2- DESCRIPTION

Point 26 N 643,052.5152 E 2,521,283.9076 Sta 10+00.00

Course from 26 to 27 N 11° 27′ 49.94″ W Dist 200.0051′

Point 27 N 643,248.5302 E 2,521,244.1566 Sta 12+00.01

REVISIONS

8/17/99

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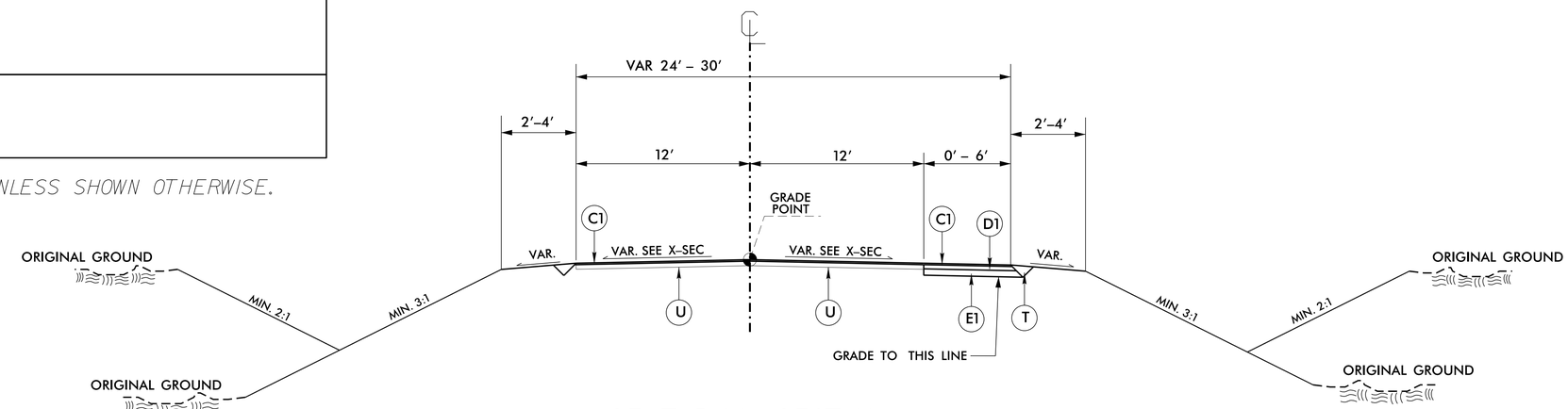
PROJECT REFERENCE NO.	SHEET NO.
W-5702L	2
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
2/4/2019	2/4/2019

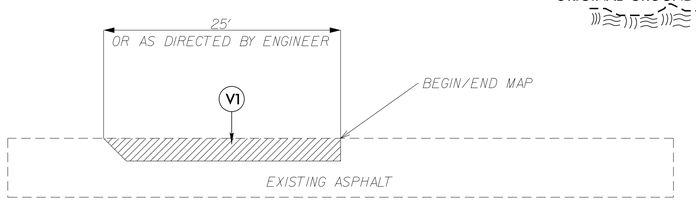
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
D1	PROP. APPROX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
E1	PROP. APPROX. 4.0" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
V1	INCIDENTAL MILLING

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

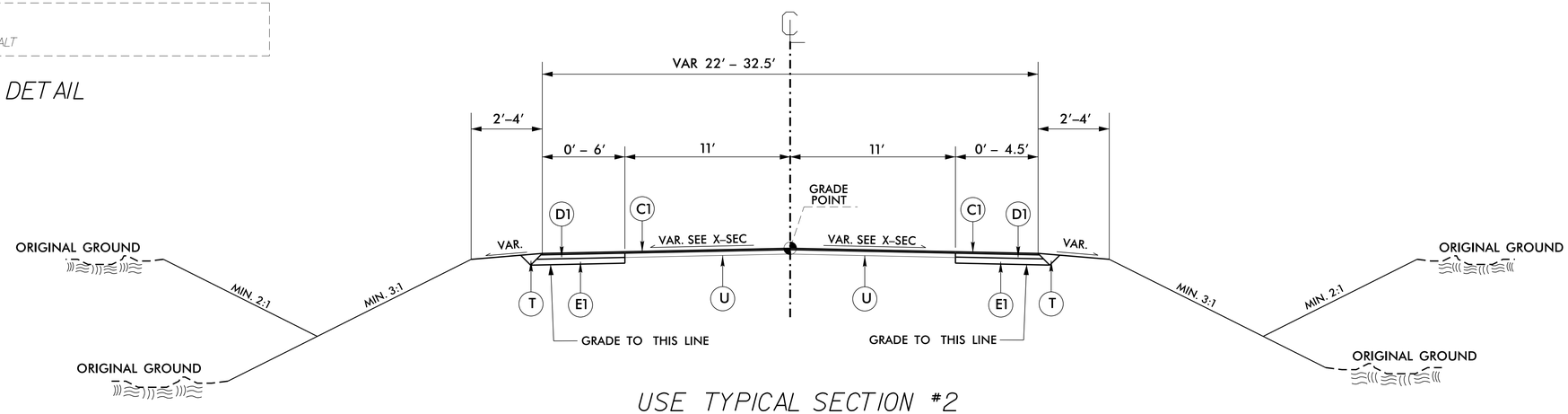


USE TYPICAL SECTION #1

-L- 10+69.49 - 13+69.53



INCIDENTAL MILLING DETAIL



USE TYPICAL SECTION #2

-Y1- 10+49.23 - 11+42.65

-Y2- 10+75.21 - 11+50.78

REVISIONS

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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF QUANTITIES

SECT	QUANTITY	UNIT	ITEM DESCRIPTION
800	1	LS	MOBILIZATION
801	1	LS	CONSTRUCTION SURVEYING
200	1	EA	SELECT TREE REMOVAL
226	1	LS	GRADING
545	10	TON	INCIDENTAL STONE BASE
607	265	SY	INCIDENTAL MILLING
610	60	TON	ASPHALT CONCRETE BASE COURSE,TYPE B25.0C
610	40	TON	ASPHALT CONCRETE INTERMEDIATE COURSE,TYPE I19.0C
610	170	TON	ASPHALT CONCRETE SURFACE COURSE,TYPE S9.5B
620	15	TON	ASPHALT BINDER FOR PLANT MIX
846	175	LF	8"X12" CONCRETE CURB
852	90	SY	4" CONCRETE ISLAND COVER
852	35	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
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	2,025	LF	PAINT PAVEMENT MARKING LINE (4")
1205	63	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24",120MILS)
1605	250	LF	TEMPORARY SILT FENCE
1610	20	TON	STONE FOR EROSION CONTROL,CLASS B
1610	20	TON	SEDIMENT CONTROL STONE
1631	100	SY	MATTING FOR EROSION CONTROL (CONTINGENCY)
1660	.25	ACRE	SEEDING AND MULCHING
SP	2	EA	RESPONSE FOR EROSION CONTROL
SP	1	EA	CONCRETE WASHOUT STRUCTURE

SUMMARY OF EARTHWORK
IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	BOX CULVERT EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
–L– 10 + 69.49 – 13 + 69.53	8	0	0	23	15	0
–Y1– 10 + 49.23 – 11 + 42.65	21	0	0	11	0	10
–Y2– 10 + 75.21 – 11 + 50.78	0	0	0	4	4	0
SUB TOTAL	29	0	0	38	19	10
SAY	29	0	0	38	9	0

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."

PROJECT REFERENCE NO.	SHEET NO.
W-5702L	4
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 034398 ENGINEER JEFFREY D. CABANISS — Docusigned by: Jeffrey D. Caballeros — 2/4/2019	NORTH CAROLINA PROFESSIONAL SEAL 034398 ENGINEER JEFFREY D. CABANISS — Docusigned by: Jeffrey D. Caballeros — 2/4/2019

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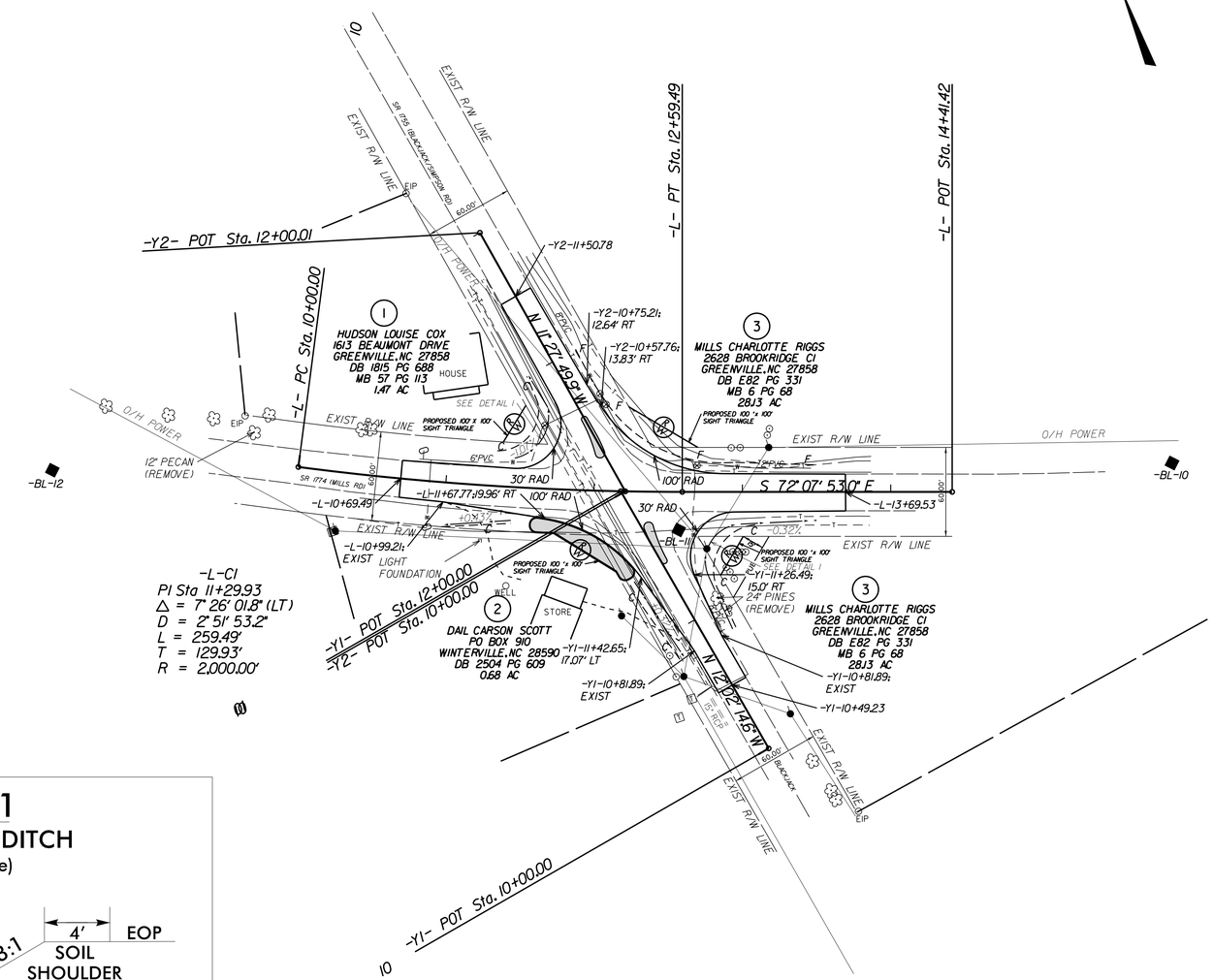
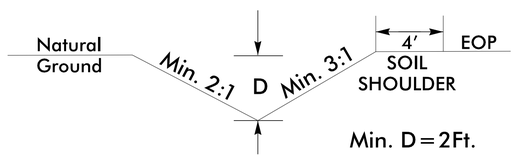


DETAIL 1

STANDARD 'V' DITCH

(Not to Scale)



MIDPOINT OF RDWY DITCH RELOCATION AROUND RADIUS OF NW & SE QUADRANTS

REVISIONS

8/17/99

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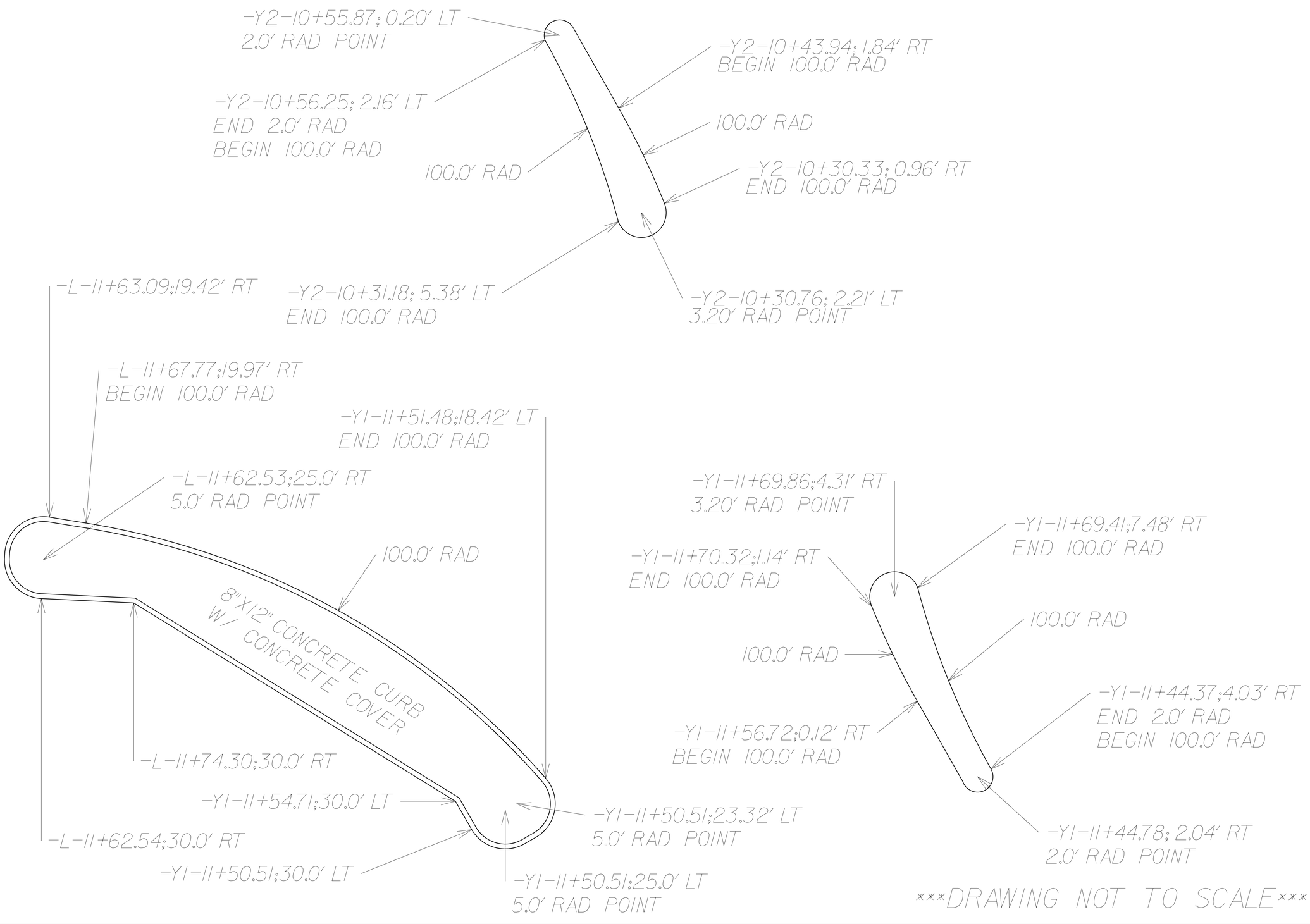
PROJECT REFERENCE NO.	SHEET NO.
W-5702L	5

CONCRETE ISLAND LAYOUT



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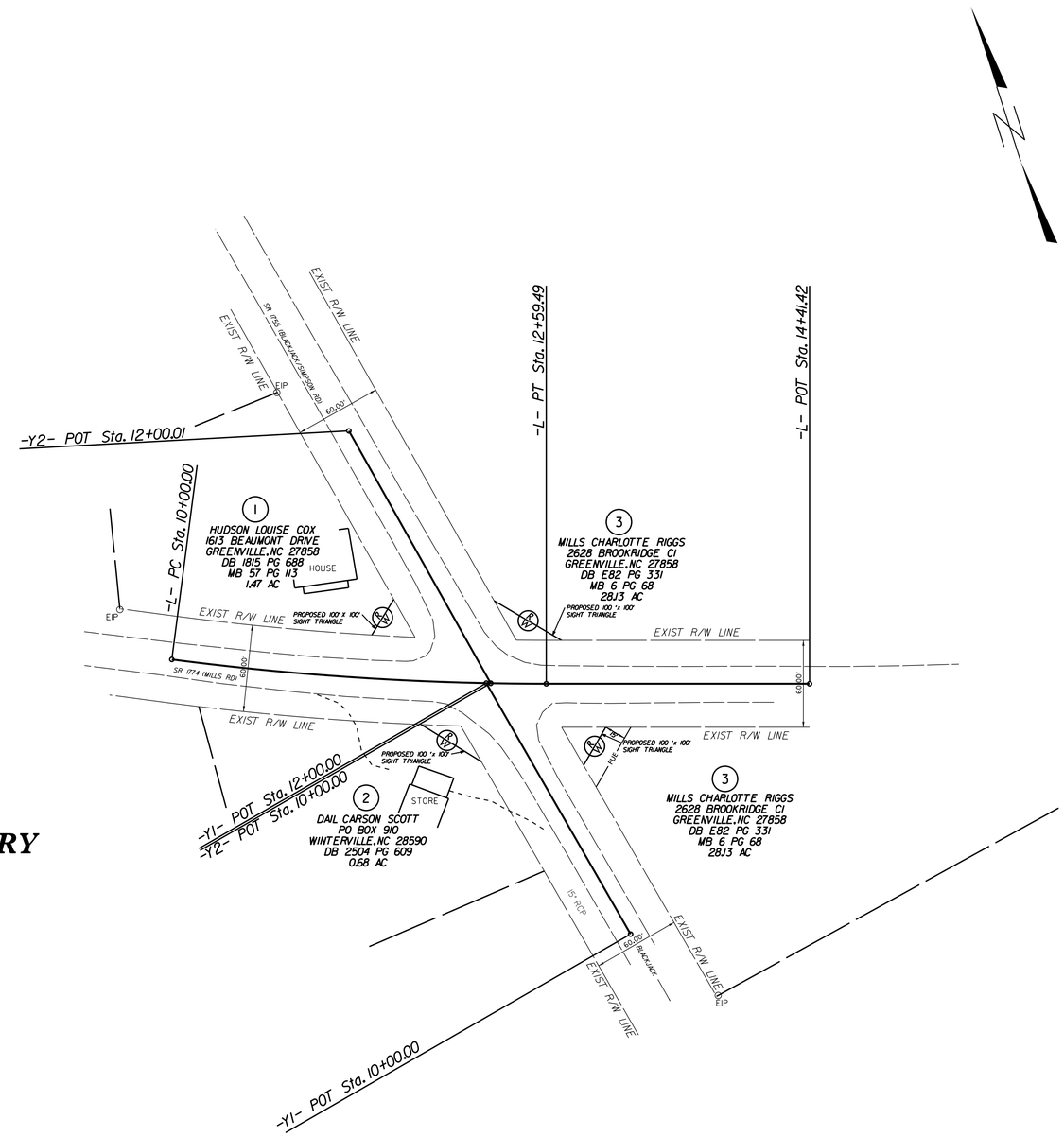
PROJECT REFERENCE NO.	SHEET NO.
W-5702L	RW1

PROPOSED RIGHT OF WAY AREA SUMMARY

PARCEL NO.	PROPERTY OWNER NAME	LOCATION	TOTAL PARCEL AREA [ACRES]	AREA TO BE (ROW) [ACRES]	PARCEL AREA REMAINING [ACRES]
1	HUDSON LOUISE COX	NW QUAD	1.4700	0.0086	1.4614
2	DAIL CARSON SCOTT	SW QUAD	0.6800	0.0076	0.6724
3	MILLS CHARLOTTE RIGGS	NE/SE QUAD	28.13	0.0183	28.1117

STATION/OFFSET	LOCATION	NORTH	EAST	DESCRIPTION
-L-11+37.04; 30.0' LT	NW QUAD	N 643109.4277	E 2521215.9722	SIGHT TRIANGLE
-Y2-10+83.32; 30.0' LT	NW QUAD	N 643127.9964	E 2521237.6895	SIGHT TRIANGLE
-L-11+74.29; 30.0' RT	SW QUAD	N 643040.1007	E 2521229.4423	SIGHT TRIANGLE
-Y1-11+54.71; 30.0' LT	SW QUAD	N 643002.9574	E 2521261.1379	SIGHT TRIANGLE
-Y2-10+48.51; 30.0' RT	NE QUAD	N 643106.2754	E 2521303.4401	SIGHT TRIANGLE
-L-12+70.01; 30.0' LT	NE QUAD	N 643065.6996	E 2521339.5808	SIGHT TRIANGLE
-Y1-11+17.27; 30.0' RT	SE QUAD	N 642978.8486	E 2521327.6278	SIGHT TRIANGLE
-L-13+00.59; 30.0' RT	SE QUAD	N 642999.2114	E 2521350.2737	SIGHT TRIANGLE



PROPOSED PERMANENT UTILITY EASEMENT AREA SUMMARY

PARCEL NO.	PROPERTY OWNER NAME	LOCATION	TOTAL PARCEL AREA [ACRES]	AREA TO BE (PUE) [ACRES]	PARCEL AREA REMAINING [ACRES]
3	MILLS CHARLOTTE RIGGS	SE QUAD	28.13	0.0135	28.1165

STATION/OFFSET	LOCATION	NORTH	EAST	DESCRIPTION
-Y1-10+99.96; 30.0' RT	SE QUAD	N 642961.9219	E 2521331.2372	SIGHT TRIANGLE
-L-13+17.94; 30.0' RT	SE QUAD	N 642993.8877	E 2521366.7871	SIGHT TRIANGLE

REVISIONS

8/17/99

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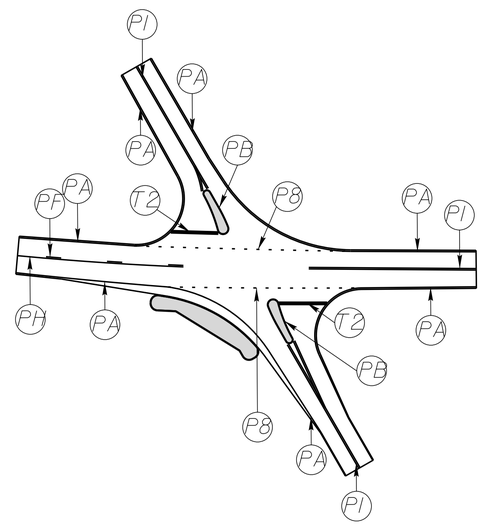
PROJECT REFERENCE NO.	SHEET NO.
W-5702L	PMP1

PAVEMENT MARKING SCHEDULE

PAVEMENT MARKING LINES

PA - PAINT PAVEMENT MARKING (4" WHITE) EDGE LINE
PB - PAINT PAVEMENT MARKING (4" YELLOW) EDGE LINE
PF - PAINT PAVEMENT MARKING (4" YELLOW) 10FT YELLOW SKIP LINE
PH - PAINT PAVEMENT MARKING (4" YELLOW) SINGLE CENTER LINE
P1 - PAINT PAVEMENT MARKING (4" YELLOW) SOLID DOUBLE YELLOW LINE
P8 - PAINT PAVEMENT MARKING (4" WHITE) 9' MINI SKIP LINE

T2 - THERMOPLASTIC PAVEMENT MARKING (24" WHITE-120 MIL) STOP BAR



NOTE

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

NCDOT TRAFFIC SERVICES WILL INSTALL FINAL SIGNAGE
CONTACT JEFF DUNNING (252)439-2950
AND PROVIDE A MINIMUM 2 WEEK NOTICE

REVISIONS

8/17/99

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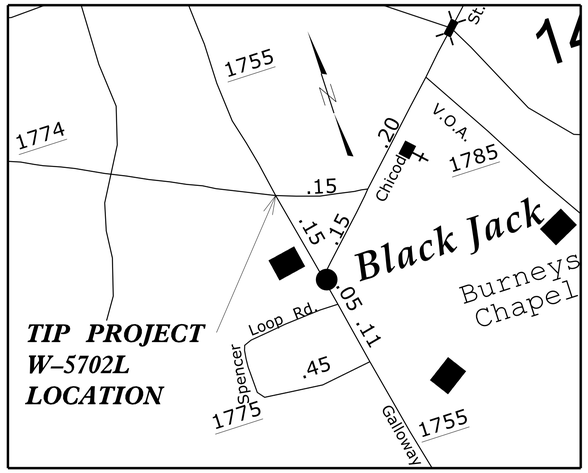
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5702L	EC-1	3

STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
44848.1.12	HSIP-1755(011)	PE
44848.2.12	HSIP-1755(011)	R/W-UTIL
44848.3.12	HSIP-1755(011)	CONST

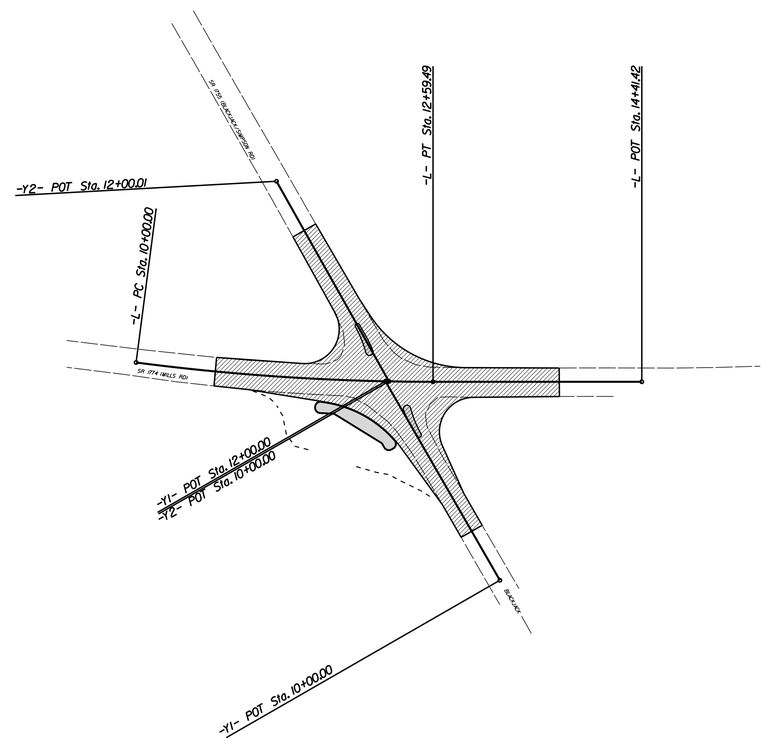
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

LOCATION: SR1755 (BLACK JACK-SIMPSON ROAD) at SR1774 (MILLS ROAD)



TIP PROJECT W-5702L LOCATION



EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TSD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	
1630.02	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.

PROJECT: W-5702L

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 27835

Rich Godley
Level III
Certification #3559

Roadway Standard Drawings

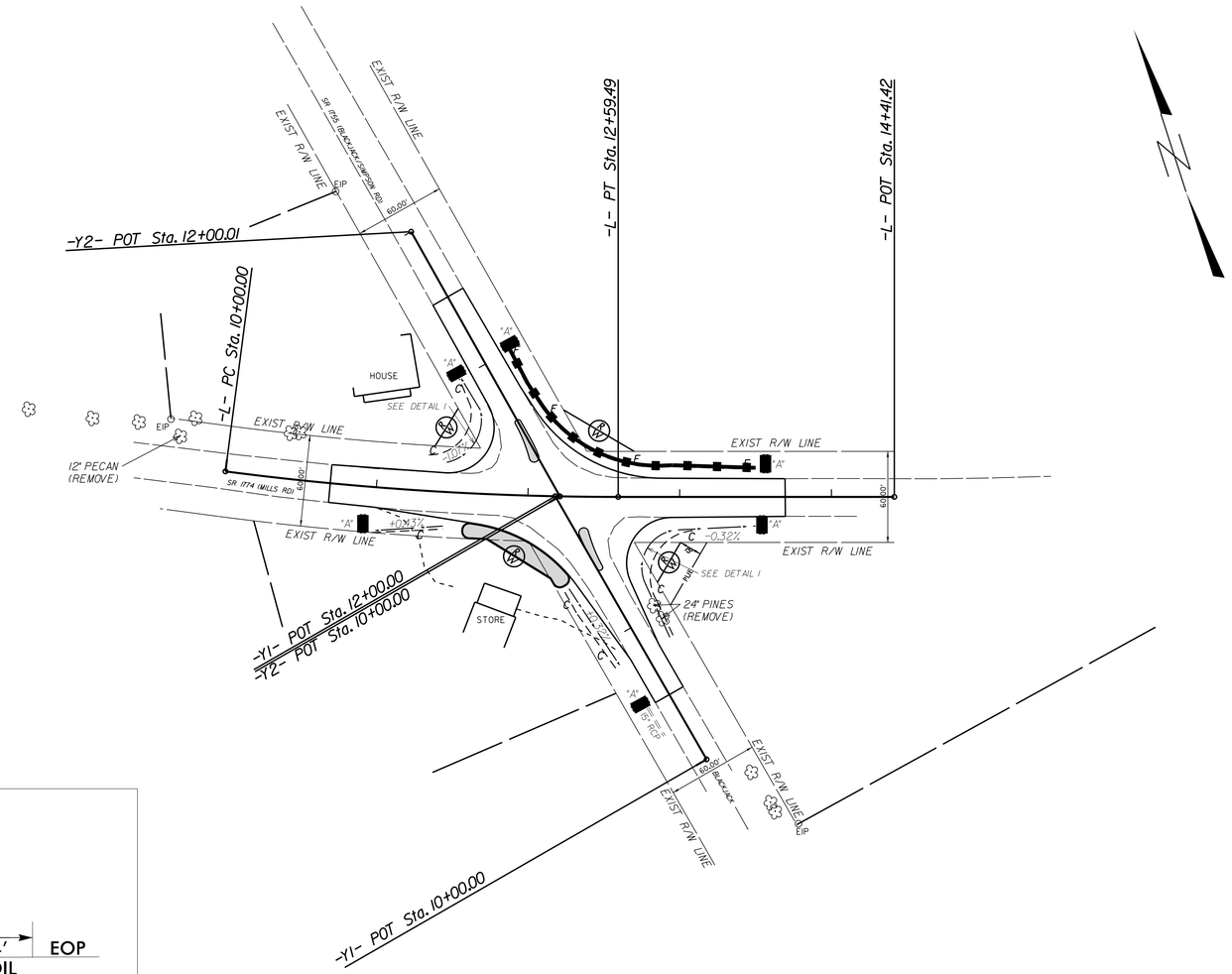
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2018 and the latest revison thereto are applicable to this project and by reference hereby are considered a part of these plans.

1604.01	Railroad Erosion Control Detail	1632.01	Rock Inlet Sediment Trap Type A
1605.01	Temporary Silt Fence	1632.02	Rock Inlet Sediment Trap Type B
1606.01	Special Sediment Control Fence	1632.03	Rock Inlet Sediment Trap Type C
1607.01	Gravel Construction Entrance	1633.01	Temporary Rock Silt Check Type A
1622.01	Temporary Berms and Slope Drains	1633.02	Temporary Rock Silt Check Type B
1630.01	Riser Basin	1634.01	Temporary Rock Sediment Dam Type A
1630.02	Silt Basin Type B	1634.02	Temporary Rock Sediment Dam Type B
1630.03	Temporary Silt Ditch	1635.01	Rock Pipe Inlet Sediment Trap Type A
1630.04	Stilling Basin	1635.02	Rock Pipe Inlet Sediment Trap Type B
1630.05	Temporary Diversion	1640.01	Coir Fiber Baffle
1630.06	Special Stilling Basin	1645.01	Temporary Stream Crossing
1631.01	Matting Installation		

PROJECT REFERENCE NO.	SHEET NO.
W-5702L	EC2

SOIL STABILIZATION TIMEFRAMES

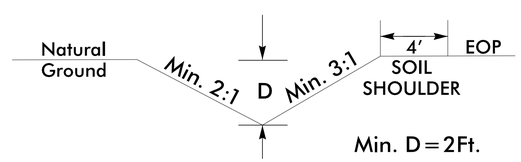
SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS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



DETAIL 1

STANDARD 'V' DITCH

(Not to Scale)



MIDPOINT OF RDWY DITCH
RELOCATION AROUND
RADIUS OF
NW & SE QUADRANTS

NOTE: THE CONTRACTOR SHALL INSTALL WATTLES IN LOW AREAS OF SILT FENCE AS NEEDED OR AS DIRECTED BY THE ENGINEER.

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.

Std. #	Description	Symbol
1605.01	Temporary Silt Fence	
1635.01	Temporary Rock Silt Check , Type "A"	

NOTE: MATTING FOR EROSION CONTROL PLACEMENT, AS DIRECTED BY THE ENGINEER

REVISIONS

8/17/99

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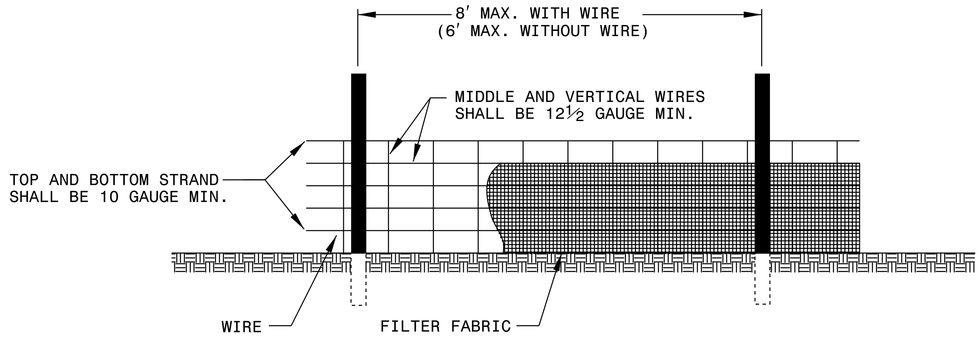
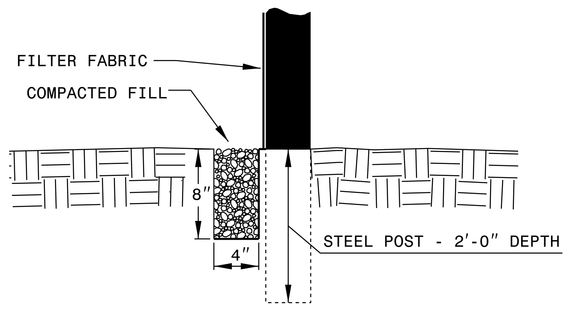
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR
TEMPORARY SILT FENCE



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

SHEET 1 OF 1
1605.01

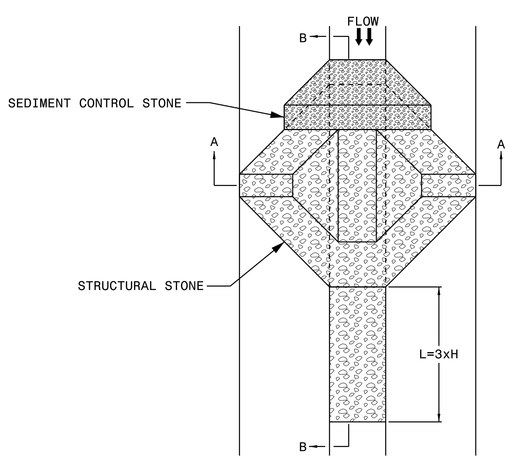
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR
TEMPORARY SILT FENCE

SHEET 1 OF 1
1605.01

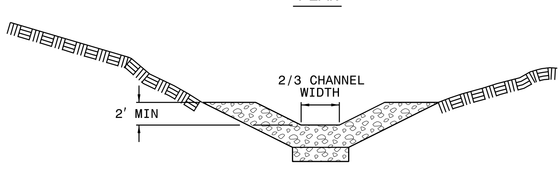
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR
TEMPORARY ROCK SILT CHECK TYPE 'A'

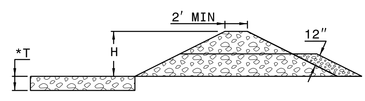


PLAN

NOTE
USE CLASS 'B' EROSION CONTROL STONE FOR STRUCTURAL STONE.
USE NO. 5 OR NO. 57 STONE FOR SEDIMENT CONTROL STONE.



SECTION A-A



SECTION B-B
*T = 12″ MIN., 18″ MAX.

SHEET 1 OF 1
1633.01

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

ENGLISH STANDARD DRAWING FOR
TEMPORARY ROCK SILT CHECK TYPE 'A'

SHEET 1 OF 1
1633.01

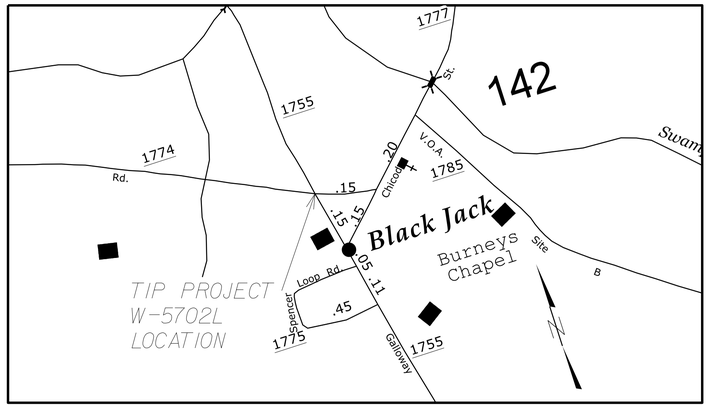
09/08/99

TIP PROJECT: W-5702L

PROJECT REFERENCE NO.	SHEET NO.
W-5702L	UBO-1

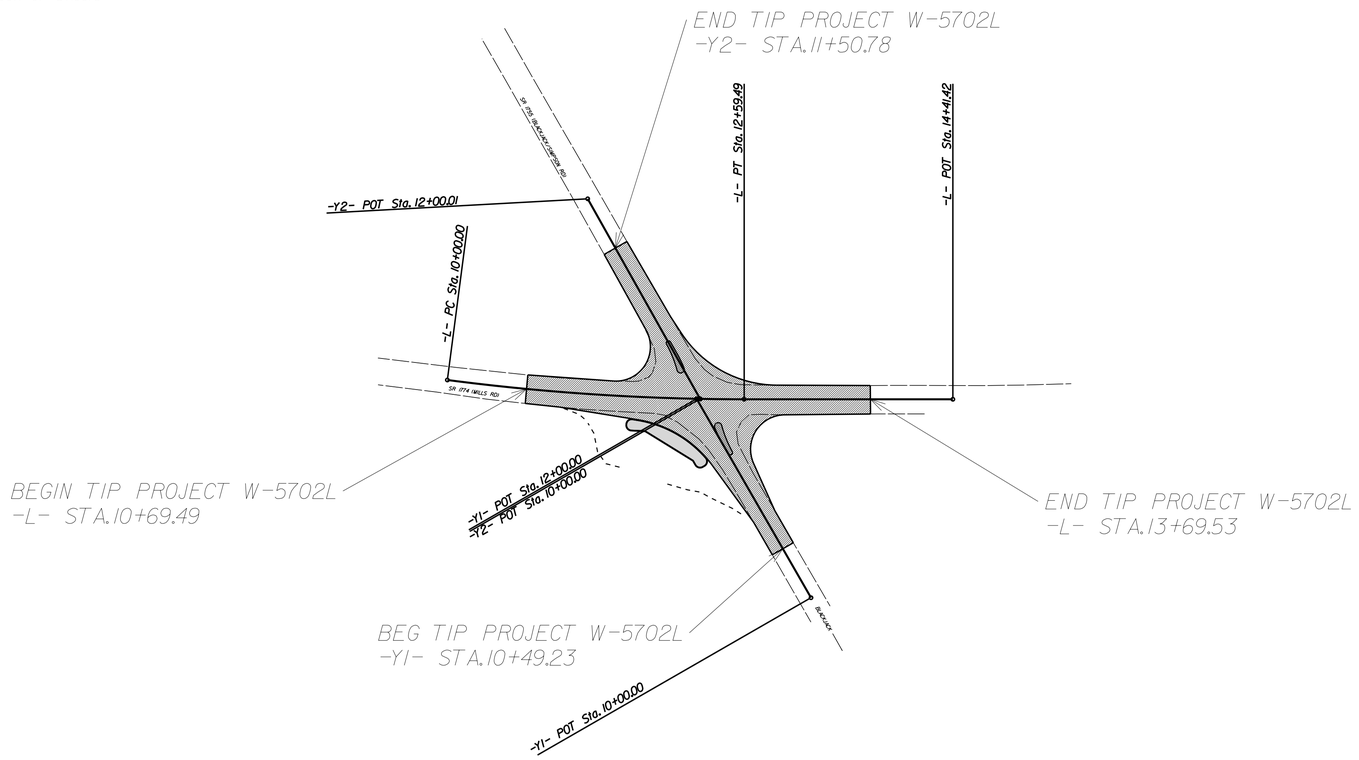
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

UTILITIES BY OTHERS PLANS
PITT COUNTY



See Sheet 1A For Index of Sheets

LOCATION: SR1755 (BLACK JACK-SIMPSON ROAD AT SR1774 (MILLS ROAD)



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES

50 25 0 50 100
PLANS

0
PROFILE (HORIZONTAL)

0
PROFILE (VERTICAL)

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UBO-1	TITLE SHEET
UBO-2	UTILITIES BY OTHERS PLAN SHEET

UTILITY OWNERS ON PROJECT

(1)POWER- GREENVILLE UTILITIES COMMISION
(2)WATER- EASTERN PINES WATER CORPORATION

PREPARED IN THE OFFICE OF:
DIVISION OF HIGHWAYS
1037 WH SMITH BLVD,
GREENVILLE, NC

STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION

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PROJECT REFERENCE NO.	SHEET NO.
W5702L	UBO-2

UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS

REVISIONS

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DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

CROSS–SECTION SUMMARY

IN CUBIC YARDS

LOCATION (–L–)	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT
10 + 99.21	0		0
11 + 45.17	3		2
11 + 63.09	2		1
11 + 67.77	0		0
12 + 87.50	3		12
12 + 95.37	0		1
13 + 50.00	0		7

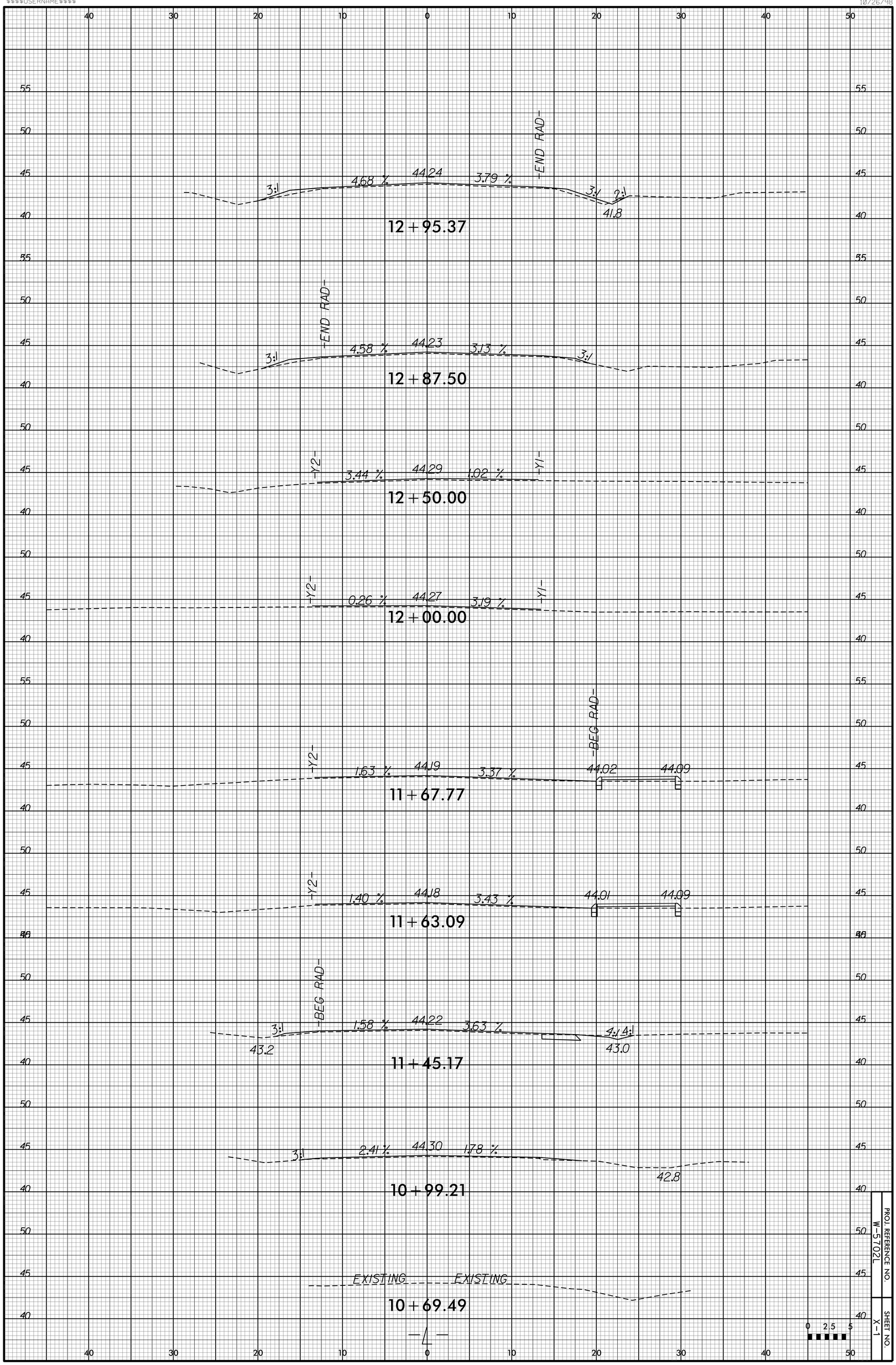
LOCATION (–Y1–)	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT
10 + 81.89	0		0
11 + 26.49	13		9
11 + 42.65	6		2
11 + 51.48	2		0

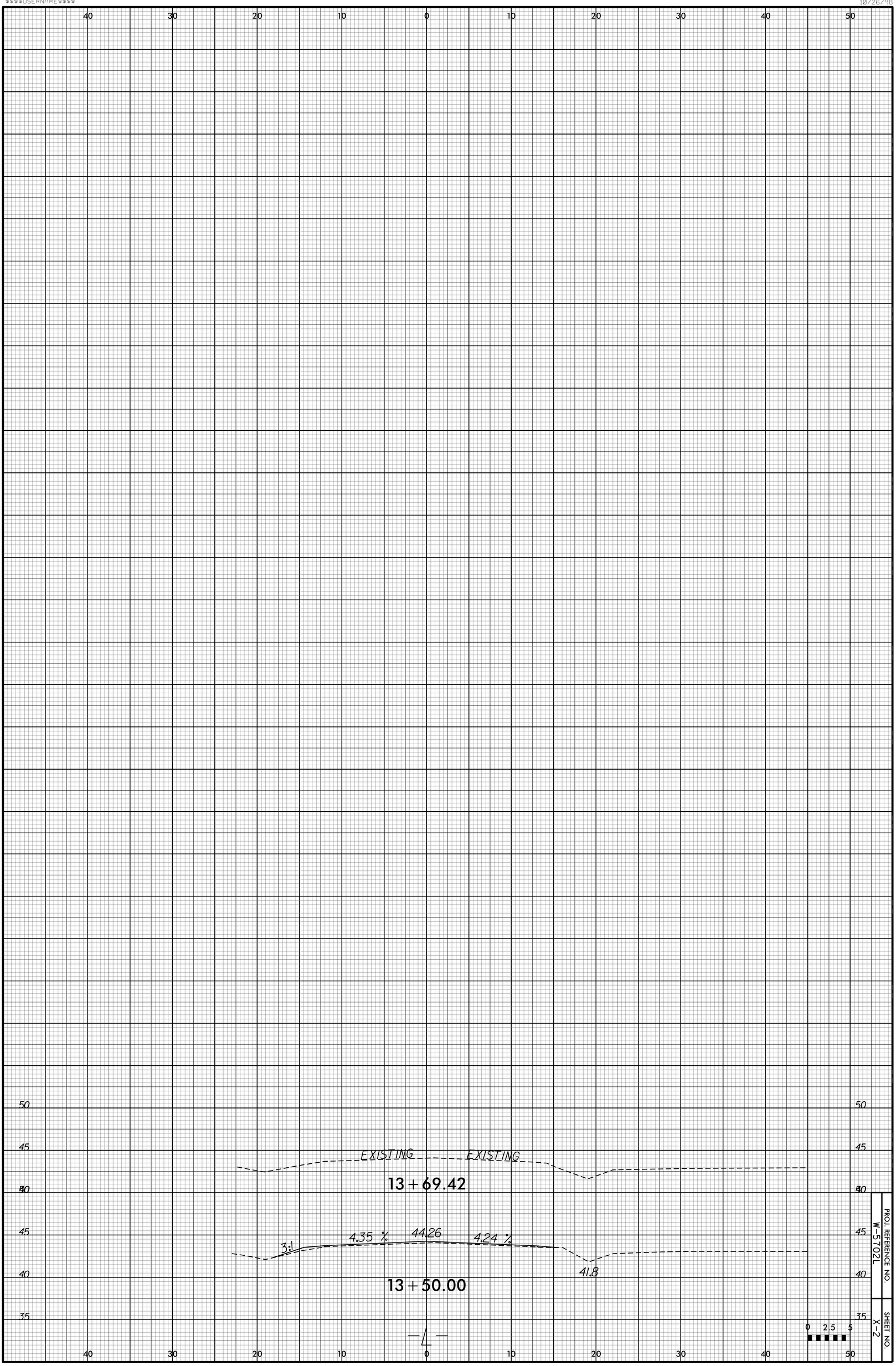
LOCATION (–Y2–)	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT
10 + 57.76	0		0
10 + 75.21	0		1
11 + 00.00	0		3

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT.

NOTE:

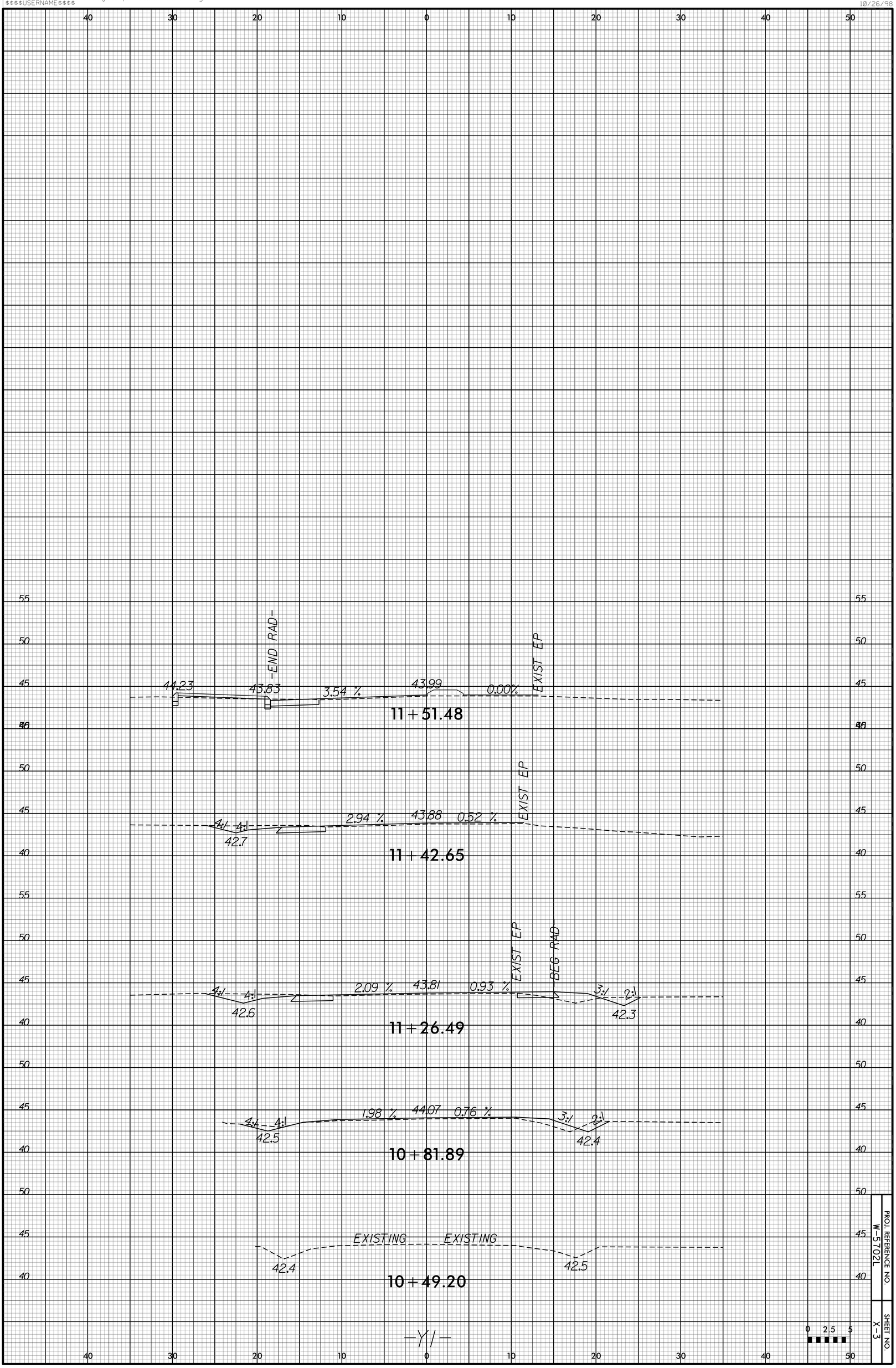
APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, BORROW EXCAVATION, FINE GRADING, CLEARING AND GRUBBING AND REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "GRADING."


-END RAD-
3:1
4.68 %
44.24
3.79 %
3:1
2:1
41.8
12 + 95.37
-END RAD-
3:1
4.58 %
44.23
3.13 %
3:1
12 + 87.50
-Y2-
3.44 %
44.29
1.02 %
-Y1-
12 + 50.00
-Y2-
0.26 %
44.27
3.19 %
-Y1-
12 + 00.00
-BEG RAD-
-Y2-
1.63 %
44.19
3.37 %
44.02
44.09
11 + 67.77
-Y2-
1.40 %
44.18
3.43 %
44.01
44.09
11 + 63.09
-BEG RAD-
3:1
1.58 %
44.22
3.63 %
4:1 4:1
43.2
43.0
11 + 45.17
3:1
2.41 %
44.30
1.78 %
42.8
10 + 99.21
EXISTING
EXISTING
10 + 69.49
-4-
0 2.5 5
PROJ. REFERENCE NO.
W-5702L
SHEET NO.
X-1



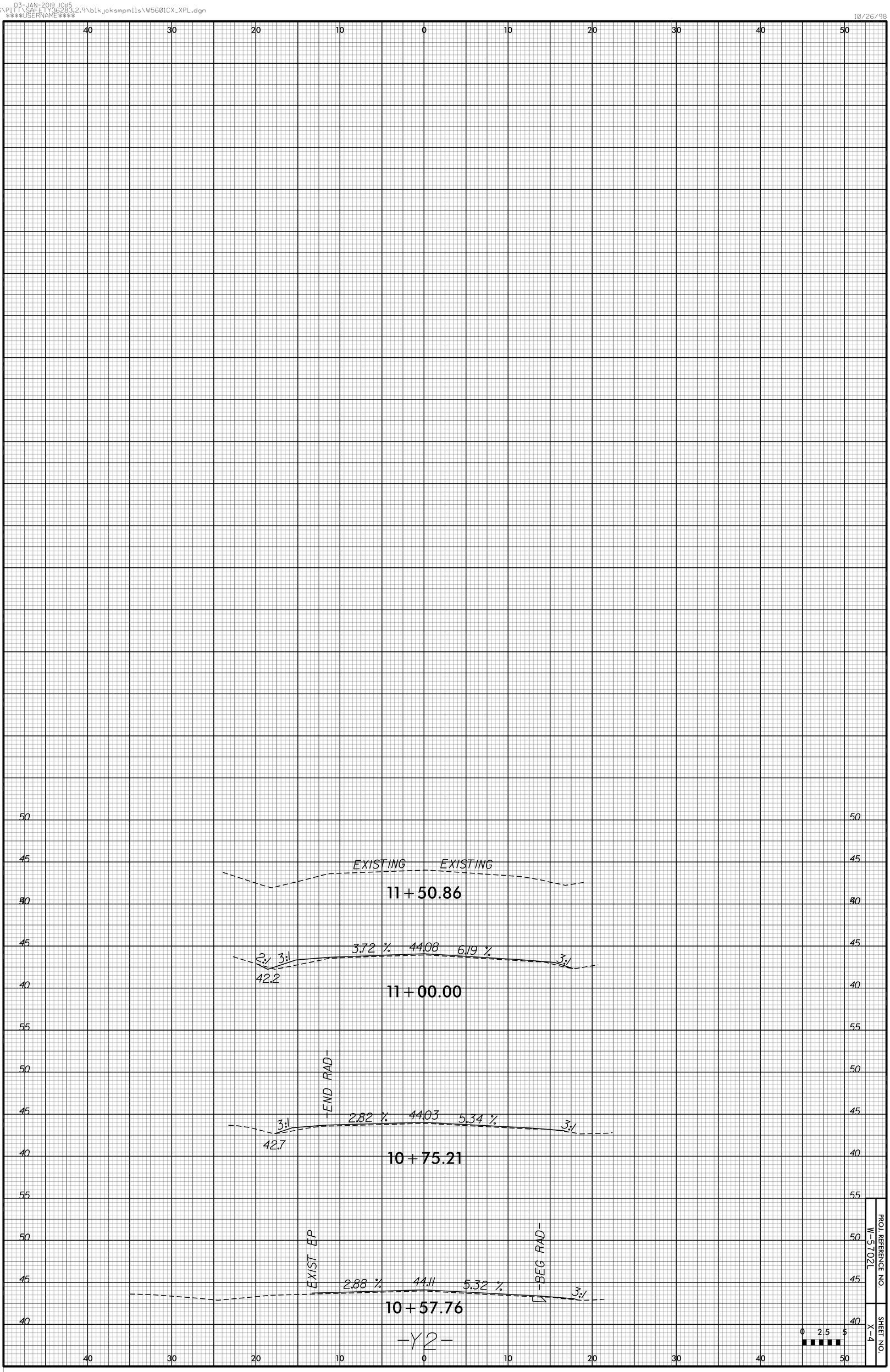
PROJ. REFERENCE NO. W-5702L

SHEET NO. X-2



PROJ. REFERENCE NO. W-5702L

SHEET NO. X-3



PROJ. REFERENCE NO. W-5702L

SHEET NO. X-4