

FOR INDEX OF SHEETS SEE SHEET 1A

THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S
ENGINEERING DESIGN PACKAGE (OPENROADS DESIGNER).
OPENROADS DESIGNER COMPUTER IDENTIFICATION NO. 115495



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY
CITY OF DANVILLE
ROUTE 58 (SOUTH BOSTON ROAD)
FROM: AIRPORT DRIVE
TO: KENTUCK ROAD

FHWA 534 DATA 33103

STATE	FEDERAL AID	STATE		SHEET NO.
	PROJECT	ROUTE	PROJECT	
VA.	(SEE TABULATION BELOW FOR SECTION NUMBERS)	58	(INFO) 6058-108-461 (SEE TABULATION BELOW FOR SECTION NUMBERS)	1

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
OTHER PRINCIPAL ARTERIAL (GS-5) - ROLLING - 50 MPH DESIGN SPEED	
	FROM: AIRPORT DRIVE TO: KENTUCK ROAD
ADT (2023)	29,315
ADT (2050)	33,273
DHV	1,450
DIRECTIONAL DHV (TRUCKS)	218
TRUCK %	15%
DIRECTIONAL DISTRIBUTION FACTOR	0.52
PEAK HOUR FACTOR	0.0847
V (MPH)	SEE PLAN AND PROFILE SHEETS FOR HORIZONTAL & VERTICAL DESIGN SPEEDS

DESIGN VEHICLE: AASHTO WB-67

ALL CONSTRUCTION IS TO BE
PERFORMED WITHIN EXISTING
RIGHT OF WAY.

CONVENTIONAL SIGNS

STATE LINE	-----
COUNTY LINE	-----
CITY, TOWN OR VILLAGE	-----
RIGHT OF WAY LINE	-----
FENCE LINE	x-----x
UNFENCED PROPERTY LINE	-----
FENCED PROPERTY LINE	x-----x
WATER LINE	~~~~~
SANITARY SEWER LINE	-----
GAS LINE	-----
ELECTRIC UNDERGROUND CABLE	-----
TRAVELED WAY	-----
GUARD RAIL	-----
RETAINING WALL	-----
RAILROADS	-----
BASE OR SURVEY LINE	-----
LEVEE OR EMBANKMENT	-----
BRIDGES	-----
CULVERTS	-----
DROP INLET	-----
POWER POLES	-----
TELEPHONE OR TELEGRAPH POLES	-----
TELEPHONE OR TELEGRAPH LINES	-----
HEDGE	-----
TREES	-----
HEAVY WOODS	-----
GROUND ELEVATION	-----
GRADE ELEVATION	-----

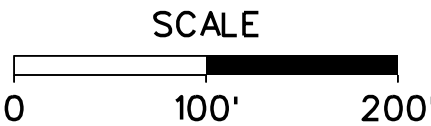
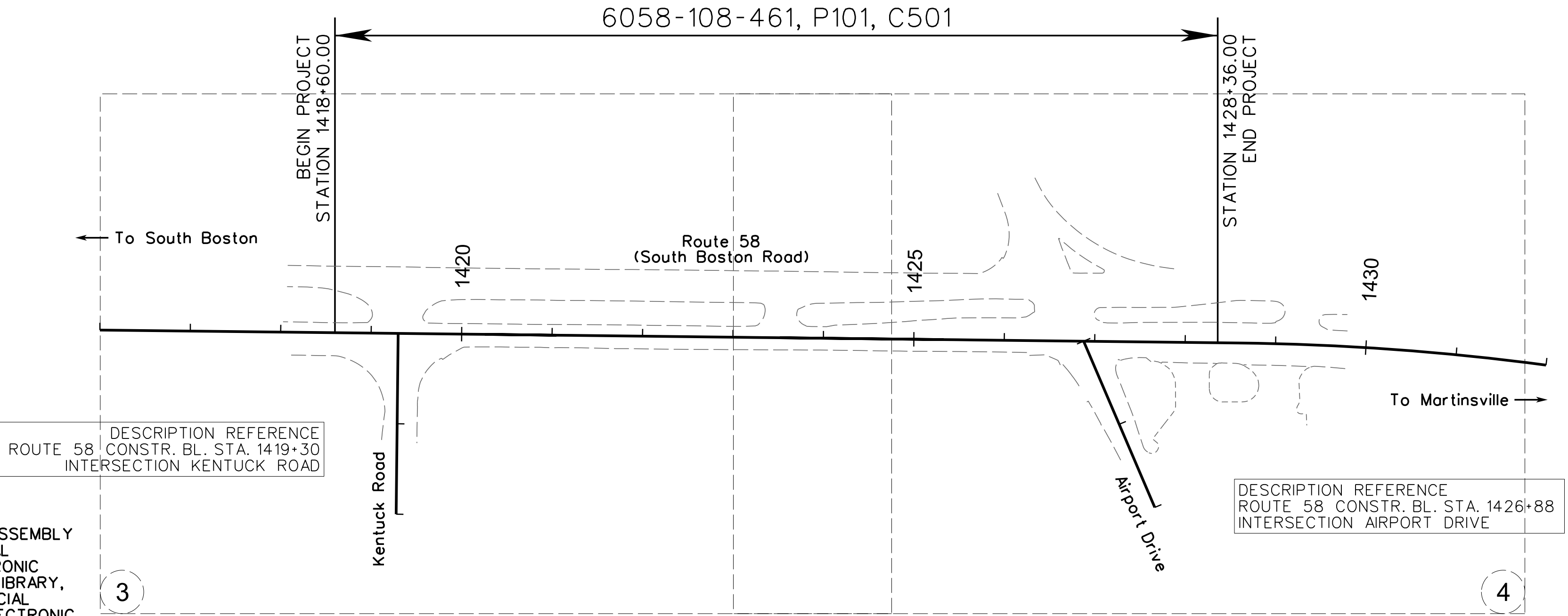
THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY
AS AWARDED, HAS BEEN SEALED AND SIGNED USING DIGITAL
SIGNATURES AND THE OFFICIAL PLAN ASSEMBLY IN ELECTRONIC
FORMAT IS STORED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY.
INCLUDING ALL SUBSEQUENT REVISIONS, WILL BE THE OFFICIAL
CONSTRUCTION PLANS. FOR INFORMATION RELATIVE TO ELECTRONIC
FILES AND LAYERED PLANS, SEE THE GENERAL NOTES.

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION
AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT.

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE
DEPARTMENT'S 2020 ROAD AND BRIDGE SPECIFICATIONS, 2016 ROAD
AND BRIDGE STANDARDS, 2009 MUTCD, 2011 VIRGINIA SUPPLEMENT TO
THE MUTCD, 2011 VIRGINIA WORK AREA PROTECTION MANUAL AND AS
AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC
PDF VERSION OF THE PLAN ASSEMBLY.

ALL CURVES ARE TO BE SUPERELEVATED, TRANSITIONED AND
WIDENED IN ACCORDANCE WITH STANDARD TC-5.11U, EXCEPT
WHERE OTHERWISE NOTED.

THE ORIGINAL APPROVED TITLE SHEET(S), INCLUDING ORIGINAL
SIGNATURES, ARE FILED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY.
ANY MISUSE OF ELECTRONIC FILES, INCLUDING SCANNED SIGNATURES,
IS ILLEGAL AND ENFORCED TO THE FULL EXTENT OF THE LAW.



STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	UPC NO.	EQUALITIES	LENGTH INCLUDING BRIDGE(S)		LENGTH EXCLUDING BRIDGE(S)		BRIDGE PROJECT NO.	TYPE PROJECT	DESCRIPTION
					FEET	FEET	MILES	FEET	MILES			
6058-108-461	P101	STP-5108(185)	PENG.	115495	N/A	976.00	0.185	-	-	N/A	PRELIM. ENGR.	FROM: AIRPORT DRIVE TO: KENTUCK ROAD
	C501	XX	1000	115495	N/A	976.00	0.185	-	-	N/A	CONSTRUCTION	FROM: AIRPORT DRIVE TO: KENTUCK ROAD

PROJECT LENGTHS ARE BASED ON ROUTE 58 CONSTRUCTION BASELINE.

TIER 1 PROJECT

LOCALLY ADMINISTERED PROJECTS	
NAME OF LOCALITY	
(SIGNATURE)	
NAME OF RESPONSIBLE LOCAL GOVERNMENT OFFICIAL (TYPED)	
RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION	
DATE	TITLE OF POSITION
(SIGNATURE)	
NAME OF RESPONSIBLE LOCAL GOVERNMENT OFFICIAL (TYPED)	
RECOMMENDED FOR APPROVAL FOR CONSTRUCTION	
DATE	TITLE OF POSITION

Copyright 2024, Commonwealth of Virginia

PROJECT
6058-108-461

SHEET NO.
1

90% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED
FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER: Chris Franks, P.E. (City of Danville)
SURVEYED BY: DATE: H. & B. Surveying and Mapping, LLC 06/24
DESIGN BY: Whitman, Requardt & Associates, LLP (540) 951-3727
SUBSURFACE UTILITY BY: DATE

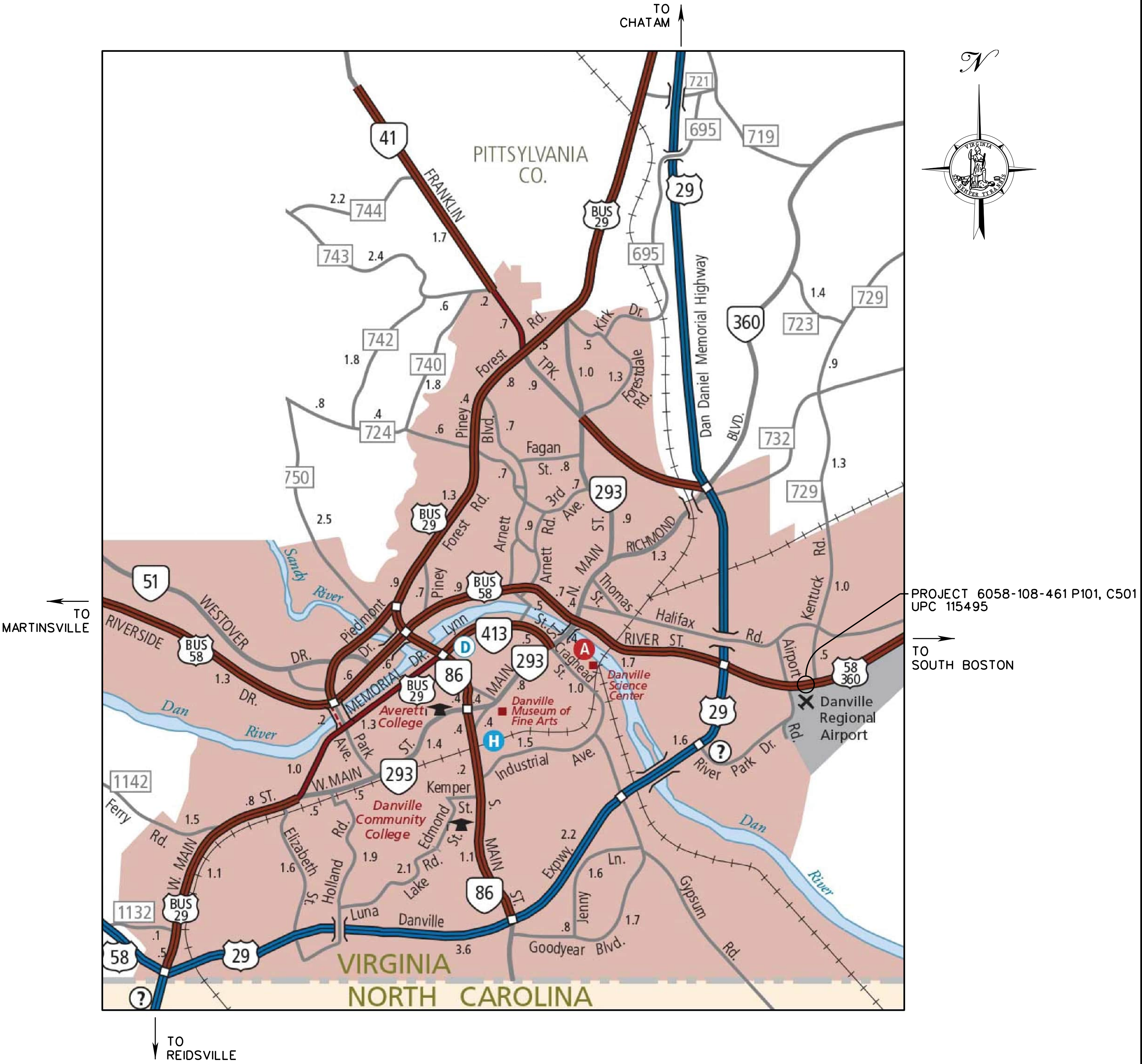
PROJECT MANAGER *Chris. Crooks, P.E.* (City of Danville)
SURVEYED BY, DATE *H. & B. Surveying and Mapping, LLC* 10/24
DESIGN BY *Whitman, Requardt & Associates, LLP* (540) 951-3727
SUBSURFACE UTILITY BY, DATE

INDEX OF SHEETS &
LOCATION MAP (CITY OF DANVILLE)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	6058-108-461 C501	

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

SHEET NO.	INDEX OF SHEETS
1	TITLE SHEET
1A	INDEX OF SHEETS & LOCATION MAP SHEET
1B	REVISION DATA SHEET
1C(1)-1C(2)	SURVEY DATA SHEETS
1D(1)-1D(2)	CONSTRUCTION ALIGNMENT DATA SHEETS
1E(1)-1E(4)	TRANSPORTATION MANAGEMENT PLAN SHEETS
1F	UNDERGROUND UTILITIES TEST HOLE INFORMATION SHEET
2	GENERAL NOTES SHEET
2A	TYPICAL SECTION SHEET
2B(1)-2B(4)	SWPPP GENERAL INFORMATION SHEETS
2C	ROADSIDE DEVELOPMENT SHEET
2D	RADIAL OFFSETS DATA SHEET
2E	NOT USED
3-4	PLAN SHEETS
3A-4A	PROFILE SHEETS
3B-4B	EROSION & SEDIMENT CONTROL SHEETS (PHASE I)
3C-4C	EROSION & SEDIMENT CONTROL SHEETS (PHASE II)
5	ENTRANCE PROFILE SHEET
6	DRAINAGE DESCRIPTION SHEET
7	STORM SEWER PROFILE SHEET
8(3)-8(5)	SIGNING & PAVEMENT MARKING PLANS
9(3)-9(4)	SIGNAL PLANS
10(1)-10(4)	UTILITY PLAN SHEETS
1-18	CROSS SECTIONS
* DENOTES SHEETS NOT INCLUDED IN THIS SUBMITTAL	



REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	58	6058-108-461 C501	1B

REVISION DATA SHEET

NOT TO SCALE	PROJECT 6058-108-461	SHEET NO. 1B
--------------	-------------------------	-----------------

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER *Chris. E. Crooks, P.E.* (City of Danville) -----
SURVEYED BY, DATE *H. & B. Surveying and Mapping, LLC* .06/24 -----
DESIGN BY *Whitman, Requardt & Associates, LLP* (540) 951-3722 -----
SUBSURFACE UTILITY BY, DATE -----

*201
Grate Inlet
Rim = 582.02'
Center of Structure = 579.28'
Inv. In = 579.24' (15" RCP from Approx. Direction)
Inv. Out = 579.24' (18" RCP to *202)

*202
Grate Inlet
Rim = 581.34'
Inv. In = 579.09' (15" RCP from *203)
Inv. In = 579.20' (15" RCP from *231)
Inv. In = 579.09' (18" RCP from *201)
Inv. Out = 579.08' (15" RCP to *204)

*203
Drainage Inlet
Rim = 582.35'
Inv. Out = 579.99' (15" RCP to *202)

*204
Grate Inlet
Rim = 578.45'
Inv. In = 575.19' (15" RCP from *202)
Inv. In = 574.82' (15" RCP from *205)
Inv. Out = 574.76' (18" RCP to *213)

*205
Grate Inlet
Rim = 578.80'
Inv. In = 575.81' (15" RCP from *1438)
Inv. In = 575.79' (15" PVC from *206)
Inv. Out = 575.41' (15" RCP to *204)

*206
Grate Inlet
Rim = 580.89'
Inv. In = 576.21' (15" RCP from Approx. Direction)
Inv. Out = 576.07' (15" RCP to *205)

*207
Grate Inlet
Rim = 574.62'
Inv. In = 571.54' (15" RCP from *208)
Inv. Out = 571.43' (18" RCP to *1640)

*208
Drainage Inlet
Rim = 575.30'
Inv. In = 571.67' (15" RCP from Approx. Direction)
Inv. Out = 571.56' (15" RCP to *207)

*209/210
Grate Inlet
Rim = 570.66'
Inv. In = 568.65' (18" RCP from *1640)
Inv. Out = 568.70' (18" RCP to *215)

*211
Grate Inlet
Rim = 576.06'
Inv. Out = 572.68' (18" RCP to *4028)

*212
Grate Inlet
Rim = 576.26'
Inv. In = 574.18' (4" PVC from Roof Drain)
Inv. In = 574.08' (4" PVC from Roof Drain)
Inv. In = 574.31' (18" RCP to Approx. Direction)
Inv. Out = 572.56' (18" RCP to *213)

*213
Grate Inlet
Rim = 574.72'
Inv. In = 571.64' (18" RCP from *204)
Inv. In = 571.74' (18" RCP from *212)
Inv. Out = 571.07' (18" RCP to *214)

*214
Drainage Inlet
Rim = 575.21'
Inv. In = 570.25' (18" RCP from *213)
Inv. Out = 570.14' (24" RCP to *2644)

*215
Grate Inlet
Rim = 562.46'
Inv. In = 559.19' (18" RCP from *210)
Inv. Out = 559.18' (18" RCP to *216)

*216
Grate Inlet
Rim = 545.46'
Inv. In = 542.75' (18" RCP from *215)
Inv. Out = 542.08' (24" RCP to *229)

*217
Grate Inlet
Rim = 555.42'
Inv. In = 548.94' (24" Iron from *218)
Inv. Out = 548.03' (36" CMP / Lined to *307)

*218
Grate Inlet
Rim = 556.40'
Inv. In = 552.14' (30" RCP from *219)
Inv. Out = 549.52' (24" Iron to *217)

*219
Drainage Inlet
Rim = 558.27'
Inv. In = 552.96' (30" RCP from Approx. Direction)
Inv. Out = 552.93' (30" RCP to *218)

*220
Drainage Inlet (No Cover)
Top = 550.35'
Could Not Get Measurements

*221
Drainage Inlet
Rim = 549.65'
Center of Structure = 545.00'
Could Not Get Measurements

*222
Storm MH
Rim = 548.51'
Inv. In = 542.36' (48" RCP / Lined from *223)
Inv. Out = 541.82' (48" RCP to *232)

*223
Drainage Inlet (No Cover)
Top = 548.94'
Could Not Get Measurements

*224
Drainage Inlet
Rim = 552.91'
Inv. Out = 550.47' (15" CMP to Blind Connection (*217 to *307))

*226
Drainage Inlet
Rim = 544.45'
Inv. Out = 541.79' (15" RCP to *232)

*228
Drainage Inlet
Rim = 574.82'
Inv. Out = 570.94' (15" RCP to *1640)

*229
Grate Inlet
Rim = 542.24'
Inv. In = 538.48' (24" RCP from *216)
Inv. Out = 538.37' (24" RCP to Approx. Direction)

*230
Storm MH
Rim = 550.63'
Inv. In = 546.00' (18" RCP from Approx. Direction)
Inv. Out = 545.98' (18" RCP to *221)

*231
Storm MH
Rim = 584.45'
Inv. In = 581.58' (15" RCP from Approx. Direction)
Inv. Out = 581.50' (15" RCP to *202)

*232
Storm MH
Rim = 545.41'
Inv. In = Too Recessed to get Information (15" RCP from *226)
Inv. In = 538.23' (48" RCP from *222)
Inv. In = 541.37' (15" RCP from Approx. Direction)
Inv. Out = 538.14' (48" RCP to Approx. Direction)

*307
Storm MH
Rim = 550.40'
Inv. In = x2 - 6" RCPs from Approx. Direction
too Recessed to get Information
Inv. In = 543.42' (36" CMP / Lined from *217)
Inv. Out = 543.40' (36" CMP / Lined to *220)

*1187
Inlet Pipe
Inv. In = 579.29' (15" RCP to *201)

*1438
Inlet Pipe w/ FES
Inv. In = 579.07' (15" RCP to *205)

*1640
Storm Manhole (Rectangular)
Rim = 575.09'
Inv. In = 570.70' (15" RCP from *228)
Inv. In = 570.58' (18" RCP from *207)
Inv. Out = 570.56' (18" RCP to *209)

*2644
Outlet Pipe
Inv. Out = 570.29' (24" RCP to *214)

*4028
Outlet Pipe
Inv. Out = 571.24' (18" RCP To *211)

SURVEY DATA SHEET

*301
Sewer Manhole
Rim = 578.57'
Inv. In = 571.65' (8" Iron from Approx. Direction)
Inv. In = 566.56' (8" PVC from *310)
Inv. In = 566.61' (8" PVC from *306)
Inv. Out = 566.50' (8" PVC to *303)

*302
Sewer Manhole
Rim = 579.16'
Inv. In = 573.07' (8" PVC from Approx. Direction)
Inv. Out = 573.02' (8" PVC to *303)

*303
Sewer Manhole
Rim = 578.40'
Inv. In = 572.56' (8" PVC from Approx. Direction)
Inv. In = 566.04' (8" PVC from *301)
Inv. In = 566.05' (8" PVC from *302)
Inv. Out = 565.98' (8" PVC to *304)

*304
Sewer Manhole
Rim = 576.09'
Inv. In = 569.75' (6" Iron from Approx. Direction)
Inv. In = 565.47' (8" PVC from *303)
Inv. Out = 565.41' (8" PVC to *305)

*305
Sewer Manhole
Rim = 574.69'
Inv. In = 565.12' (8" PVC from *304)
Inv. Out = 565.08' (8" PVC to Approx. Direction)

*306
Sewer Manhole
Rim = 575.95'
Inv. In = 566.93' (8" PVC from *311)
Inv. Out = 566.81' (8" PVC to *301)

*308
Sewer Manhole
Rim = 549.83'
Inv. In = 542.98' (8" Iron from *309)
Inv. Out = 542.93' (8" Iron to *312)

*309
Sewer Manhole
Rim = 555.38'
Inv. In = 545.51' (8" Iron from Approx. Direction)
Inv. In = 545.59' (6" Iron from Approx. Direction)
Inv. Out = 545.49' (8" Iron to *308)

*310
Sewer Manhole
Rim = 585.17'
Inv. In = 578.29' (8" PVC from Approx. Direction)
Inv. Out = 578.21' (8" PVC to *301)

*311
Sewer Manhole
Rim = 578.79'
Inv. In = 575.48' (6" PVC from Approx. Direction)
Inv. In = 573.30' (8" PVC from Approx. Direction)
Inv. Out = 573.26' (8" PVC to *306)

*312
Sewer Manhole
Rim = 560.66'
Inv. In = 551.50' (8" Iron from *308)
Inv. Out = 551.41' (8" Iron to Approx. Direction)

UTILITY LEGEND

<div><div><div>EB</div><div>Electric Box</div></div><div><div><div>Electric Guy Pole</div><div>Electric Ground Light</div><div>Electric Guy Wire</div><div>Electric Hand Hole</div><div>Electric Meter</div><div>Electric Manhole</div><div>Electric Marker Post</div><div>Electric Pedestal</div><div>Electric Stub</div><div>Electric Power Pole</div><div>Electric Power Riser Pole</div><div>Electric Light Pole</div><div>Electric Luminaire</div><div>End of Information (All Utilities)</div><div>Fire Hydrant</div><div>Fiber Optic Hand Hole</div><div>Fiber Optic Marker</div><div>Fiber Optic Manhole</div><div>Fiber Optic Pedestal</div><div>Gas Meter</div><div>Gas Manhole</div><div>Gas Marker Post</div><div>Gas Monitoring Well</div><div>Gas Stub</div><div>Gas Test Station</div><div>Gas Valve</div><div>Gas Vent</div><div>Gas Well</div><div>Sanitary Air Release Valve</div><div>Sanitary Flow Arrow</div><div>Sanitary Stub</div><div>Sewer Clean Out</div><div>Sanitary Force Main Valve</div><div>Sanitary Marker Post</div><div>Sanitary Manhole</div><div>Sewer Vent Pipe</div><div>Unknown Clean Out</div><div>Unknown Hand Hole</div><div>Unknown Manhole</div></div></div></div>	<div><div><div>TB</div><div>Telephone Booth</div></div><div><div><div>Telephone Guy Pole</div><div>Telephone Guy Wire</div><div>Test Holes (All Utilities)</div><div>Telephone Cell Tower</div><div>Telephone Hand Hole</div><div>Telephone Manhole</div><div>Telephone Marker Post</div><div>Telephone Pole</div><div>Telephone Pedestal</div><div>Telephone Riser Pole</div><div>Television Satellite Dish</div><div>Tower Anchor</div><div>Traffic Camera Pole</div><div>Traffic Control Hand Hole</div><div>Traffic Control Manhole</div><div>Traffic Control Guy Wire</div><div>Traffic Control Pedestal</div><div>Traffic Signal Guy Pole</div><div>Traffic Signal Pole</div><div>Traffic Signal Pole w/Luminaire</div><div>Telephone Stub</div><div>Television Hand Hole</div><div>Television Manhole</div><div>Television Marker Post</div><div>Television Pedestal</div><div>Television Stub</div><div>Water Blow Off</div><div>Water Well</div><div>Water Meter</div><div>Water Manhole</div><div>Water Marker Post</div><div>Water Spigot</div><div>Water Samese Connection</div><div>Water Stub</div><div>Water Valve</div><div>Water Post Inspection Valve</div><div>Water Irrigation Valve</div><div>Water Steam Manhole</div><div>Water Steam Vent Pipe</div></div></div></div>
--	--

CAFO	Fiber Optic Cable Television
CHEM	Chemical Line (above or below ground)
FO Duct	Underground Fiber Optic Duct
FUEL	Fuel Line (above or below ground)
G	Gas Line *
G Duct	Gas Line Duct
SAW	Gravity Sewer *
SFM	Sanitary Force Main *
TCFO	Traffic Control Fiber Optic
T/FO	Telephone Fiber Optic
FO	Underground Fiber Optic
Unk	Unknown Utility Line
E	Underground Power Cable
E Duct	Underground Power Cable Duct
T/Tg	Underground Telephone Cable
T/Tg Duct	Underground Telephone Cable Duct
TC	Underground Traffic Control
TC Duct	Underground Traffic Control Duct
CATV	Underground Television Cable
CATV Duct	Underground Television Cable Duct
VS	Vacuum Sewer
W	Water Line *
W Duct	Water Line Duct
Unk	Depicted According To Utility Records **
Unk	Abandoned According To Utility Records **
Unk	According To Miss Utility Information **
	* Designate size (Variable from 0.75" to 54")
	** Designate type (Unknown line is shown)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	6058-108-461 C501	1C(1)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Utility Owners List By Accumark.

WATER & SEWER:
City of Danville requested via email-received
998 S Boston Rd
Danville, VA 24540
434.799.5245
walkerbedanvilleva.gov

ELECTRIC:
City of Danville requested via email-received
998 S Boston Rd
Danville, VA 24540
434.799.5245
walkerbedanvilleva.gov

TELECOMMUNICATIONS:
City of Danville requested via email-received
998 S Boston Rd
Danville, VA 24540
434.799.5245
walkerbedanvilleva.gov

Comcast(CMC) requested via email-received
8031 Corporate Drive Nottingham, MD 21236
Stephen Stelley
443-243-8904
NED-BLT_BeltwayRegionDesignRequests@cable.comcast.com

Crown Castle Communications(CRN) requested via email-received
196 Van Buren St Ste 300 Herndon, VA 20170
Nicholas Belinsky
888-632-0931
Nicholas.Belinsky@crowncastle.com

Mid Atlantic Broadband(MBC) requested via email-not received
715 Wilborn Ave South Boston, VA 24592
Heather Runnet
540.570.307
heather.runnet@mbc-va.com

Segra-Lumos(LMS) requested via email-received
1 Lumos Plaza Waynesboro, VA 22980
Jared Morris
540.949.3466
Jared.Morris@segra.com

Verizon(VZN) requested via email-received
3011 Hungary Spring Rd Richmond, VA 23228
Jon Hansen
804-923-1631
Jonathan.r.hansen@verizon.com

GAS:
City of Danville requested via email-received
998 S Boston Rd
Danville, VA 24540
434.799.5245
walkerbedanvilleva.gov

NOT TO SCALE	PROJECT 6058-108-461	SHEET NO. 1C(1)
--------------	-------------------------	--------------------

90% PLANS

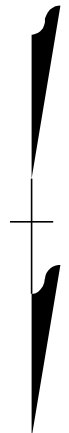
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER *Chris. Crooks, P.E.* (City of Danville) -----
SURVEYED BY, DATE *H. & B. Surveying and Mapping, LLC* .06/24 -----
DESIGN BY *Whitman, Requardt & Associates, LLP* (540) 951-3722 -----
SUBSURFACE UTILITY BY, DATE -----

SURVEY DATA SHEET

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	6058-108-461 C501	

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT



PLANIMETRIC LEGEND

- Advertising Sign
- Bore Hole
- Bench Mark
- Bollard Post
- Photo Control Point
- Control Station
- Drainage Flow Arrow (Storm Drainage)
- Filler Cap (Gas Stations)
- Flow Arrow (Streams & Rivers)
- Flag Pole
- Secondary Control Point
- Filler Pipe (Gas Stations)
- Gas Tank Access Manhole (Gas Stations)
- Gravestone Marker
- Guard Post
- Gas Vent Pipe (Gas Stations)
- Mail Box
- Mine Entrance
- Node Point
- Property Line Symbol
- Found Monumentation
- Property Monument
- Metal or Wooden Post
- Monitoring Well
- Road Arrow
- Reference
- Right of Way Monument
- VDOT Commission Monument
- Iron Right of Way Pin
- Railroad Mile Marker
- Railroad Right of Way Monument
- Railroad Signal Pole or Gate
- Railroad Telegraph Pole
- Railroad Telephone Pole
- Railroad Switch
- Shrub
- Storm Sewer Manhole
- Photogrammetric Target
- Tree
- Traffic Left Turn Arrow
- Traffic Left-Right Arrow
- Traffic Left-Thru Arrow
- Traffic Left-Thru-Right Arrow
- Traffic Right Turn Arrow
- Traffic Thru Arrow
- Traffic Thru-Right Arrow
- Traffic Springback Marker
- Wetland Flag Automatic
- Wetland Flag Manual
- Bridge Elevation
- Plan Elevation
- Water Elevation
- Elevation Tick Mark
- Connected Plat Symbol
- Brush Line
- Pipe Culverts *
- City Line
- County Line
- Curb Only
- Curb and Gutter
- Fence Line
- Guardrail
- Hedge Row
- Jersey Barrier
- Obscure Areas
- Paved Ditches
- Railroad
- Right of Way
- State Line
- Edges of Water
- Sidewalks
- Wetlands
- Woods
- * Designate size of culverts
(Variable from 12" to 120")

THIS SURVEY WAS COMPLETED UNDER THE DIRECT RESPONSIBLE CHARGE OF, LESLIE R. BYRNSIDE, L.S., FROM AN ACTUAL GROUND AND AERIAL LIDAR SURVEY MADE UNDER HIS SUPERVISION; THAT THE ORIGINAL DATA WAS OBTAINED MAY 2024 THRU JUNE 2024; AND THAT THIS PLAT, MAP OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.

THIS LOCATION SURVEY TO THE BEST OF MY KNOWLEDGE AND BELIEF IS CORRECT AND COMPLIES WITH THE STANDARDS AND PROCEDURES AS ESTABLISHED BY THE VIRGINIA DEPARTMENT OF TRANSPORTATION LOCATION AND DESIGN DIVISION SURVEY MANUAL 2016.

PROPERTY INFORMATION IS BASED ON DEEDS, PLATS OF RECORD, HIGHWAY PLANS AND PHYSICAL EVIDENCE FOUND IN THE FIELD AND WAS PLACED IN THE DRAWING.

THE INFORMATION SHOWN IN THIS DRAWING WAS COMPILED FROM EXISTING LAND RECORDS AND DOES NOT REPRESENT A BOUNDARY SURVEY.

NO TITLE REPORT FURNISHED WHICH MAY REVEAL OR DISCOVER EASEMENTS NOT SHOWN HEREON.

INVERTS FOR PIPES AND STRUCTURES SHOWN HEREON ARE BASED ON FIELD MEASUREMENTS, HOWEVER THEY SHOULD BE VERIFIED PRIOR TO CONSTRUCTION. PIPE SIZES, MATERIAL TYPE AND INVERT ELEVATIONS AS INDICATED ARE BASED UPON OBSERVATIONS MADE ABOVE GROUND. NO MEASUREMENTS HAVE BEEN PERFORMED BY PERSONNEL IN A CONFINED SPACE SITUATION.

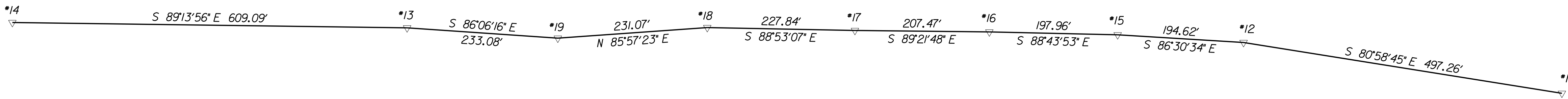
THERE IS NO VISIBLE EVIDENCE OF A CEMETARY WITHIN THE PROJECT LIMITS.

ALL UNDERGROUND UTILITIES WERE DESIGNATED BY ACCUMARK WITHIN THE SPECIFIED SUE LIMITS. H & B SURVEYING AND MAPPING, LLC HAS FIELD LOCATED THE DESIGNATED LINES AS PAINTED AND IS NOT RESPONSIBLE FOR THE ACCURACY OF THE PAINT DESIGNATION WITH RESPECT TO THE EXISTING UTILITY. UTILITY INFORMATION ON THIS DRAWING WILL NEED TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.

USfootseed file was used for this drawing.

Route : South Boston Road
Project :
District : Lynchburg
County : Pittsylvania
From : 300' East of Airport Road.
To : 130' West of Kentuck Road.
Horizontal Datum Based On NAD 83
Vertical Datum Based On NAVD 88
Survey By : H & B Surveying and Mapping, LLC
Operator : IOV
Date : 6 - 24 - 2024 - Updated 11-20-24 - (Storm Sewer Information)
Scale : 1" = 25'
UPC* : 107205

Survey Control - Virginia State Plane Coordinates				
NAD 83/NAVD 88 - VA South Zone - US Survey Feet				
Point	Northing	Easting	Elevation	Description
11	3372257.689	11234611.233	592.571	CS-R/C
12	3372179.720	11235102.343	583.742	CS-R/C
13	3372157.210	11236392.817	545.126	CS-R/C
14	3372149.049	11237001.853	548.079	CS-R/C
15	3372167.871	11235296.599	580.227	CS-R/C
16	3372163.488	11235494.511	575.410	CS-R/C
17	3372161.183	11235701.972	568.772	CS-R/C
18	3372156.750	11235929.773	560.378	CS-R/C
19	3372173.045	11236160.271	552.061	CS-R/C



SCALE	PROJECT	SHEET NO.
0 100' 200'	6058-108-461	1C(2)

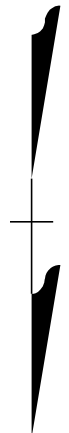
90% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER *Chris E. Cooks, P.E.* (City of Danville) -----
SURVEYED BY, DATE *H. & B. Surveying and Mapping, LLC* 06/24 -----
DESIGN BY *Whitman Requardt & Associates, LLP* (540) 951-3727 -----
SUBSURFACE UTILITY BY, DATE -----

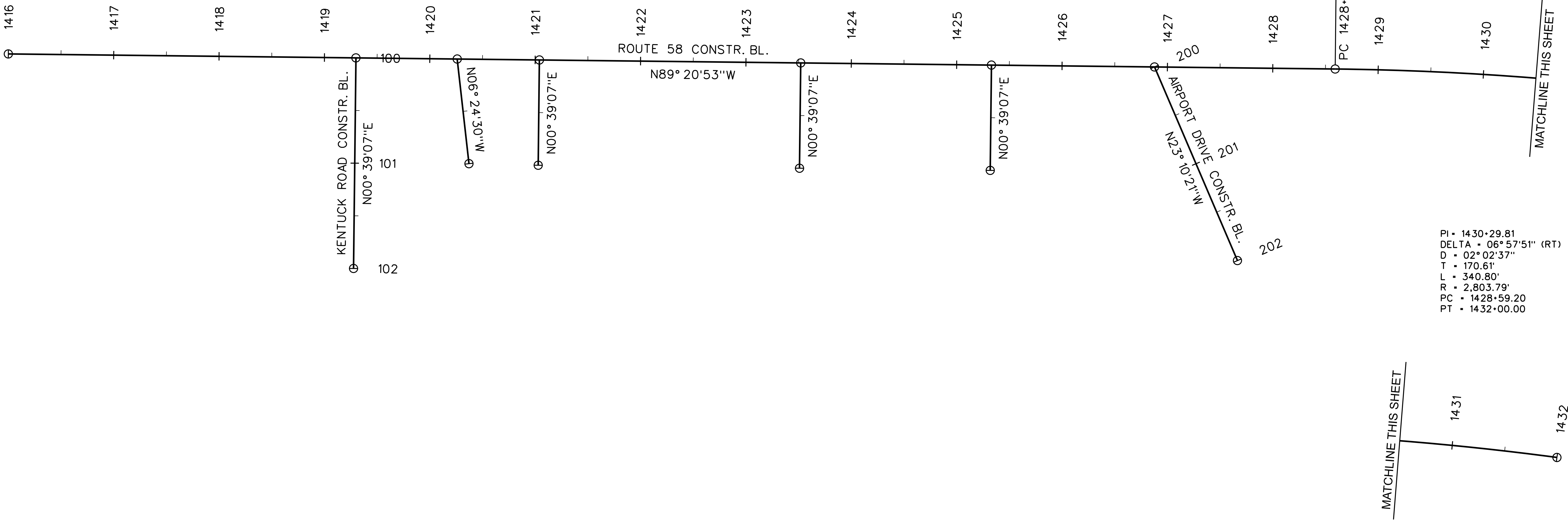
CONSTRUCTION ALIGNMENT DATA SHEET

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	58	6058-108-461 C501		1D(1)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Whitman Requardt & Associates Blacksburg, Virginia ROADWAY ENGINEER				



P.O.T. STATION 1419+29.88 ROUTE 58 CONSTR. BL.
P.O.T. STATION 100+00.00 KENTUCK ROAD CONSTR. BL.
DELTA = 90° 00' 00" RT.

P.O.T. STATION 1426+87.75 ROUTE 58 CONSTR. BL.
P.O.T. STATION 200+00.00 AIRPORT DRIVE CONSTR. BL.
DELTA = 113° 49' 28" RT.



SCALE	PROJECT	SHEET NO.
0 50' 100'	6058-108-461	1D(1)

90% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER *Chris E. Cooks, P.E.* (City of Danville) -----
SURVEYED BY, DATE *H. & B. Surveying and Mapping, LLC* 10/6/24 -----
DESIGN BY *Whitman Requardt & Associates, LLP* (540) 951-3727 -----
SUBSURFACE UTILITY BY, DATE -----

CONSTRUCTION ALIGNMENT DATA SHEET

REVISED	STATE		STATE PROJECT		SHEET NO.
	STATE	ROUTE			
	VA.	58	6058-108-461 C501		1D(2)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT					
Whitman Requardt & Associates Blacksburg, Virginia ROADWAY ENGINEER					

ROUTE 58

Element:	Linear	STATION	NORTHING	EASTING
START(	START)	1416+00.00 R1	3372125.59	11236547.33
PC(	PC)	1428+59.20 R1	3372139.92	11235288.21
Tangentia	Direction:	N89°20'53"W		
Tangentia	Length:	1259.20		
Element:	Circular			
PC(	PC)	1428+59.20 R1	3372139.92	11235288.21
HPI(	HPI)	1430+29.81 R1	3372141.86	11235117.61
CC(	CC)		3374943.53	11235320.11
PT(	PT)	1432+00.00 R1	3372164.47	11234948.51
Radius:		2803.79		
Delta:		06°57'51"	Right	
Degree of Curvature(Arc):		02°02'37"		
Length:		340.80		
Tangent:		170.61		
Chord:		340.59		
Middle Ordinate:		5.18		
External:		5.19		
Tangent Direction:		N89°20'53"W		
Radial Direction:		N00°39'07"E		
Chord Direction:		N85°51'57"W		
Radial Direction:		N07°36'58"E		
Tangent Direction:		N82°23'02"W		

KENTUCK ROAD

Element:	Linear	STATION	NORTHING	EASTING
START(	START)	100+00.00 R1	3372129.35	11236217.47
END(	END)	102+00.00 R1	3372329.34	11236219.74
Tangentia	Direction:	N00°39'07"E		
Tangentia	Length:	200.00		

AIRPORT DRIVE

Element:	Linear	STATION	NORTHING	EASTING
START(	START)	200+00.00 R1	3372137.97	11235459.65
END(	END)	202+00.00 R1	3372321.84	11235380.95
Tangentia	Direction:	N23°10'21"W		
Tangentia	Length:	200.00		

ENTRANCE - 1420+26.00 RT.

Element:	Linear	STATION	NORTHING	EASTING
START(	START)	10+00.00 R1	3372130.44	11236121.36
END(	END)	11+00.00 R1	3372229.82	11236110.20
Tangentia	Direction:	N06°24'30"W		
Tangentia	Length:	100.00		

ENTRANCE - 1421+04.00 RT.

Element:	Linear	STATION	NORTHING	EASTING
START(	START)	10+00.00 R1	3372131.33	11236043.36
END(	END)	11+00.00 R1	3372231.32	11236044.50
Tangentia	Direction:	N00°39'07"E		
Tangentia	Length:	100.00		

ENTRANCE - 1423+52.00 RT.

Element:	Linear	STATION	NORTHING	EASTING
START(	START)	10+00.00 R1	3372134.15	11235795.38
END(	END)	11+00.00 R1	3372234.14	11235796.52
Tangentia	Direction:	N00°39'07"E		
Tangentia	Length:	100.00		

ENTRANCE - 1425+33.00 RT.

Element:	Linear	STATION	NORTHING	EASTING
START(	START)	10+00.00 R1	3372136.21	11235614.39
END(	END)	11+00.00 R1	3372236.20	11235615.53
Tangentia	Direction:	N00°39'07"E		
Tangentia	Length:	100.00		

NOT TO SCALE

PROJECT
6058-108-461

SHEET NO.
1D(2)

90% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER *Chris. Crooks, P.E.* (City of Danville) -----
SURVEYED BY, DATE *H. & B. Surveying and Mapping, LLC* 06/24 -----
DESIGN BY *Whitman Requardt & Associates, LLP* (540) 951-3727 -----
SUBSURFACE UTILITY BY, DATE -----

TRANSPORTATION MANAGEMENT PLAN

	REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
		VA.	58	6058-108-461 C501	1E(1)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT					
Whitman Requardt & Associates Blacksburg, Virginia ROADWAY ENGINEER					

1). PROJECT CATEGORY (MINIMUM TMP REQUIREMENTS)

- A). THIS WILL BE A TYPE A, CATEGORY x.
- B). THE LENGTH OF THE WORK ZONE WILL BE 2500 FT.
THE WIDTH OF THE WORK AREA WILL VARY.
- C). THE WORK ZONE ALLOWABLE HOURS, (xx).
- D). THE TRAFFIC IN THIS AREA CONSISTS PRIMARILY OF COMMUTERS, TRAVELERS, AND TRUCKS.
- E). SPEED LIMIT OF THE ROADWAY IS 45 MPH.
- F). LANES IN BOTH DIRECTIONS WILL BE AFFECTED BY THE PROJECT WORK.

2). TEMPORARY TRAFFIC CONTROL (TTC) PLAN: (COMPONENT 1)

- A). MAJOR COMPONENTS WILL CONSIST OF GENERAL NOTES, PLANS, AMD TYPICAL SECTIONS.
- B). TEMPORARY TRAFFIC CONTROL FIGURES AND NOTES FROM THE 2011 VIRGINIA WORK AREA PROTECTION MANUAL (VA WAPM) INCLUDING REVISION 2.1 - NOVEMBER 1, 2020 USED FOR TEMPORARY TRAFFIC CONTROL BUT NOT LIMITED TO ARE:
- TTC-4.2
TTC-30.2

3). PUBLIC COMMUNICATION STRATEGIES: (COMPONENT 2)

- PROJECT DESCRIPTION:
- THE PROJECT WILL INCLUDE CONSTRUCTION OF ROADWAY IMPROVEMENTS, DRAINAGE IMPROVEMENTS, AND SIGNAL IMPROVEMENTS TO ROUTE 58 AND CONNECTION ROUTES.
- TRAFFIC IMPACTS:
- ROUTE 58: SHOULDER CLOSURE AND FLAGGING OPERATIONS.
 - CONNECTION ROUTES: FLAGGING OPERATIONS.
- GOALS:
- TO INFORM THE PUBLIC ABOUT THE PROJECT
 - TO MINIMIZE DISRUPTION THROUGH PROACTIVE INFORMATION DISSEMINATION EFFORTS
 - TO GATHER PUBLIC SUPPORT FOR THE PROJECT
 - TO ESTABLISH A CRISIS COMMUNICATIONS PLAN

MESSAGES:

- BENEFITS AND PURPOSE OF THE PROJECT
- TRAFFIC IMPACTS AND INFORMATION ON ALTERNATE ROUTES
- CONTACTS FOR MORE INFORMATION

PUBLIC MEETINGS:

- CITY COUNCIL WILL BE BRIEFED BY THE CITY MANAGER'S OFFICE

CRISIS COMMUNICATIONS PLAN:

- AS WITH ANY CRISIS, EMERGENCY RESPONDERS (911) SHOULD BE NOTIFIED IMMEDIATELY IF NECESSARY.
- THE PROJECT CONSTRUCTION ENGINEER OR HIS DESIGNEE SHOULD BE NOTIFIED IMMEDIATELY.
- IF THE EMERGENCY IS TRAFFIC RELATED, THE PROJECT CONSTRUCTION ENGINEER OR HIS DESIGNEE SHOULD IMMEDIATELY NOTIFY THE TRAFFIC OPERATION CENTER AT 540-375-0170.
- THE TRAFFIC OPERATION CENTER SHOULD IMMEDIATELY NOTIFY THE DISTRICT COMMUNICATIONS: (contact name) (contact #) (24/7).
- THE PROJECT CONSTRUCTION ENGINEER, VDOT DISTRICT COMMUNICATIONS AND TOC WILL WORK TOGETHER TO INFORM THE TRAVELING PUBLIC, EMERGENCY RESPONDERS AND THE MEDIA ABOUT DELAYS AND UNEXPECTED CHANGES IN TRAFFIC PATTERNS USING THE CONTACT LIST AND OTHER RESOURCES IF NECESSARY.

TARGET AUDIENCE	CONTACT METHOD	PHONE NUMBER, E-MAIL OR ADDRESS	RESPONSIBLE CHARGE
MOTORISTS	NEWS RELEASE, WEEKLY TRAFFIC INFORMATION (ROADWATCH) AND THE TRAFFIC OPERATIONS CENTER	SEE DISTRICT COMMUNICATIONS NEWS RELEASE DISTRIBUTION LIST (E-MAIL AND FAX)	DISTRICT COMMUNICATIONS OFFICE (contact name) (contact #) (24/7)
POLICE, EMS EMERGENCY AND HAZMAT VIRGINIA STATE POLICE DIVISION 6, AREA 43 DANVILLE CITY POLICE FIRE/RESCUE DANVILLE FIRE AND RESCUE DEPARTMENT	PHONE	EMERGENCY 911 (contact #) EMERGENCY 911 (contact #) EMERGENCY 911 (contact #)	(contact title) (contact name) (contact title) (contact name) (contact title) (contact name)
RESIDENTIAL NEIGHBORHOODS			(contact title) (contact name) (contact #) (contact title) (contact name) (contact #)
DANVILLE CITY OFFICIALS PUBLIC WORKS PUBLIC UTILITIES			(contact title) (contact name) (contact #)
BUSINESSES	PHONE		
SCHOOLS (school name) (school name)	PHONE/FLIER EMAIL	(contact #) (contact #)	

4). TRANSPORTATION OPERATIONS (TO) PLAN

- A.) THIS PLAN IS NOT REQUIRED ON THIS PROJECT, HOWEVER, A CONTACT LIST OF LOCAL EMERGENCY RESPONSE AGENCIES MUST BE KEPT AND MAINTAINED THROUGHOUT THE PROJECT LIFECYCLE.

B.) TRAFFIC BACKUP NOTIFICATION

EMERGENCY CONTACT FOR THIS PROJECT SHALL BE 911.

THE TRAFFIC OPERATIONS CENTER (540-375-0170) SHALL BE NOTIFIED OF LANE CLOSURES AND TRAFFIC RELATED TO THE WORK BY THE PROJECT STAFF. THE TOC WILL UTILIZE AVAILABLE SYSTEMS (CAMERAS, SENSORS, ETC) TO MONITOR THE WORK AREA AND ALL ADJACENT AREAS. THE TOC WILL MAKE ALL ENTRIES INTO SYSTEMS THAT FEED THIS INFORMATION INTO 511. THE TOC WILL UTILIZE ASSETS SUCH AS PERMANENT AND MOBILE VARIABLE MESSAGE SIGNS WITH CELLULAR CONNECTIVITY CAPABILITIES TO ALERT MOTORISTS OF LANE CLOSURES AND OTHER INCIDENTS THAT MAY IMPACT TRAVEL.

THE TOC WILL ALSO MAKE NOTIFICATIONS TO DEPARTMENT STAFF. THE STAFF NOTIFICATIONS SHALL INCLUDE BUT NOT BE LIMITED TO THE DUTY OFFICER, DISTRICT SAFETY MANAGER, RESIDENT ENGINEER, CONSTRUCTION AREA WORK ZONE COORDINATOR, TE WORK ZONE SAFETY COORDINATOR, REGIONAL INCIDENT MANAGEMENT COORDINATOR, DISTRICT COMMUNICATIONS MANAGER, DISTRICT TRAFFIC ENGINEER, DISTRICT TRAFFIC OPERATIONS MANAGER, REGIONAL INCIDENT MANAGEMENT COORDINATOR, AND DISTRICT COMMUNICATIONS MANAGER OF ANY INCIDENTS AND EXPECTED TRAFFIC DELAYS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR INTRA-AGENCY NOTIFICATIONS TO ENTITIES SUCH AS BUT NOT LIMITED TO VSP, LOCAL 911, AND OTHER AFFECTED AGENCIES.

A REVIEW OF ALL MAJOR INCIDENTS, AS DETERMINED BY THE REGIONAL INCIDENT MANAGEMENT COORDINATOR, SHALL BE ACCOMPLISHED WITHIN 48 HOURS OF CLEARANCE OF THE INCIDENT. VDOT PROJECT STAFF, REGIONAL OPERATIONS STAFF, TE WESTERN AREA WORK ZONE SAFETY COORDINATOR, CONTRACTOR STAFF, AND EMERGENCY RESPONDERS SHALL BE REPRESENTED AT THESE MEETINGS.

PROJECT MANAGER *Chris. Crooks, P.E.* (City of Danville) -----
SURVEYED BY, DATE *H. & B. Surveying and Mapping, LLC* 10/24 -----
DESIGN BY *Whitman Requardt & Associates, LLP* (540) 951-3727 -----
SUBSURFACE UTILITY BY, DATE -----

TRANSPORTATION MANAGEMENT PLAN

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	6058-108-461 C501	1E(2)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Whitman Requardt & Associates Blacksburg, Virginia ROADWAY ENGINEER				

GENERAL NOTES

UNLESS OTHERWISE APPROVED OR DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PLAN AND PROSECUTE THE WORK IN ACCORDANCE WITH THIS TRANSPORTATION MANAGEMENT PLAN.

THE NOTES IN THIS TRANSPORTATION PLAN ARE IN ADDITION TO ALL APPLICABLE STANDARDS, SPECIFICATIONS, AND CONTRACT DOCUMENTS. ALL TRAFFIC MAINTENANCE SHALL CONFORM WITH THE FOLLOWING AND THE LATEST REVISIONS THERETO:

2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (REV. 1 AND 2)
2011 VIRGINIA SUPPLEMENT TO THE 2009 MUTCD (REV. 1)
2011 VIRGINIA WORK AREA PROTECTION MANUAL (REV. 2.1)
2016 VDOT ROAD AND BRIDGE STANDARDS (LATEST REVISION)
2020 VDOT ROAD AND BRIDGE SPECIFICATIONS (LATEST REVISION)

THE TRANSPORTATION MANAGEMENT PLAN (TMP) IS INTENDED AS A GUIDE. IT IS NOT INTENDED TO ENUMERATE EVERY DETAIL WHICH MUST BE CONSIDERED IN THE CONSTRUCTION OF THIS PROJECT, BUT ONLY TO SHOW THE GENERAL HANDLING OF TRAFFIC. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PRESENT A FORMAL TMP/MAINTENANCE OF TRAFFIC (MOT) PLAN TO THE ENGINEER FOR APPROVAL PRIOR TO ANY CONSTRUCTION THAT MAY AFFECT THE EXISTING TRAFFIC.

AT THE CONCLUSION OF EACH WORKDAY, EQUIPMENT SHALL NOT BE STORED WITHIN THE ESTABLISHED CLEAR ZONE AND/OR DEFLECTION ZONE OF PHYSICAL BARRIERS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ANY AREAS EXCAVATED BELOW THE EXISTING PAVEMENT SURFACE AND WITHIN THE CLEAR ZONE, SHALL BE BACKFILLED WITH APPROVED MATERIAL TO FORM AN APPROXIMATE 6:1 WEDGE AGAINST THE EXISTING PAVEMENT SURFACE FOR THE SAFETY AND PROTECTION OF VEHICULAR TRAFFIC. SEE TEMPORARY WEDGE DETAIL ON VDOT STD. ACOT-1 IN THE 2016 ROAD AND BRIDGE STANDARDS. SEE APPENDIX A OF THE VA WAPM FOR DROP-OFF REQUIREMENTS.

ACCESS TO COMMERCIAL ENTRANCES SHALL BE MAINTAINED AT ALL TIMES.

ALL SIGNS, GROUP 2 CHANNELIZING DEVICES, AND ANY OTHER DEVICES USED IN THE CONSTRUCTION ZONE SHALL BE FURNISHED BY THE CONTRACTOR AND SHALL BE KEPT CLEAN AND PROPERLY ALIGNED AT ALL TIMES.

THE INSTALLATION AND REMOVAL OF GUARDRAIL SHALL BE COORDINATED SO AS NOT TO PRESENT ANY BLUNT END OR HAZARD TO THE MOTORING PUBLIC.

WHEN UTILIZED, TRAFFIC BARRIER SERVICE SHALL BE INSTALLED AND REMOVED SO AS NOT TO PRESENT ANY BLUNT END OR HAZARD TO THE MOTORING PUBLIC. THE PLACEMENT AND REMOVAL OF THE TRAFFIC BARRIER SERVICE AND BARRICADES ARE TO BE COORDINATED BY THE PROJECT SAFETY OFFICER.

THE CONTRACTOR SHALL MAINTAIN ALL SIGNAGE WITHIN THE LIMITS OF CONSTRUCTION, SHOWN OR OTHERWISE, UNLESS DIRECTED BY THE ENGINEER. IF REMOVAL IS ALLOWED, CONTRACTOR SHALL STORE THE SIGNS PER VDOT STANDARDS, AND IF DIRECTED, REPLACE THEM AT THE COMPLETION OF THE PROJECT.

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO THE BEGINNING OF CONSTRUCTION, AND SHALL BE REVISED AS NEEDED THROUGH CONSTRUCTION PHASES.

THE CONTRACTOR SHALL TEMPORARILY COVER ANY EXISTING SIGNS THAT ARE CONTRARY TO CONSTRUCTION SIGNS AND UNCOVER THESE AT THE COMPLETION OF THE PROJECT AS DIRECTED BY THE ENGINEER.

CHANNELIZING DEVICE SPACING:
TRANSITION: 40-FT
TRAVELWAY: 80-FT

SHOULDER CLOSURE NEEDED

SHOULDER CLOSURE IN ACCORDANCE WITH VA WAPM TTC-4.2.

CITY OF DANVILLE HOLIDAYS

NEW YEAR'S DAY, MARTIN LUTHER KING JR DAY, GEORGE WASHINGTON DAY, EASTER MONDAY, MEMORIAL DAY, JUNETEENTH, FOURTH OF JULY, LABOR DAY, COLUMBUS DAY, VETERANS DAY, 1/2 DAY DAY BEFORE THANKSGIVING, THANKSGIVING DAY, DAY AFTER THANKSGIVING, CHRISTMAS EVE, CHRISTMAS DAY.

SEQUENCE OF CONSTRUCTION

ADVANCE WARNING SIGNS SHALL BE INSTALLED IN EACH PHASE PRIOR TO THE COMMENCEMENT OF WORK IN EACH PHASE.

PHASE I

1. INSTALL EROSION & SEDIMENT CONTROL MEASURES.
2. CONSTRUCT PROPOSED SIGNAL POLE FOUNDATIONS.
3. INSTALL PROPOSED DRAINAGE SYSTEM; STRUCTURES 3-2 TO 4-3, 4-4 TO 4-5, AND PIPE 4-4 TO 204.
4. INSTALL STRUCTURE 3-1, PIPE 3-3 TO 224, AND PIPE 4-3 TO 4-4 USING FLAGGING OPERATIONS IN ACCORDANCE WITH VA WAPM TTC-30.2.
5. CONSTRUCT PROPOSED CURB & GUTTER ALONG LENGTH OF PROJECT.
6. CONSTRUCT PROPOSED PAVEMENT UP TO AND INCLUDING SURFACE COURSE.
7. MILL & OVERLAY REMAINING PAVEMENT AREAS AS SHOWN ON PLANS.
8. INSTALL PROPOSED SIGNS AND PROPOSED PAVEMENT MARKINGS.

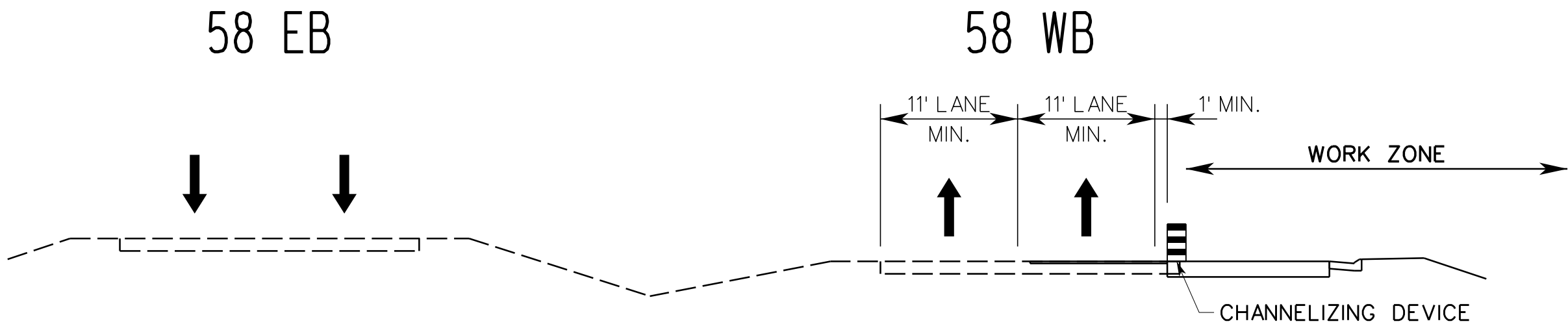
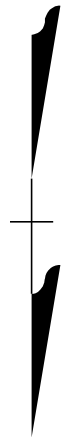
PROJECT MANAGER *Chris E. Crooks, P.E.* (City of Danville)
SURVEYED BY, DATE *H. & B. Surveying and Mapping, LLC* 06/24
DESIGN BY *Whitman Requardt & Associates, LLP* (540) 951-3727
SUBSURFACE UTILITY BY, DATE

TRANSPORTATION MANAGEMENT PLAN
PHASE I

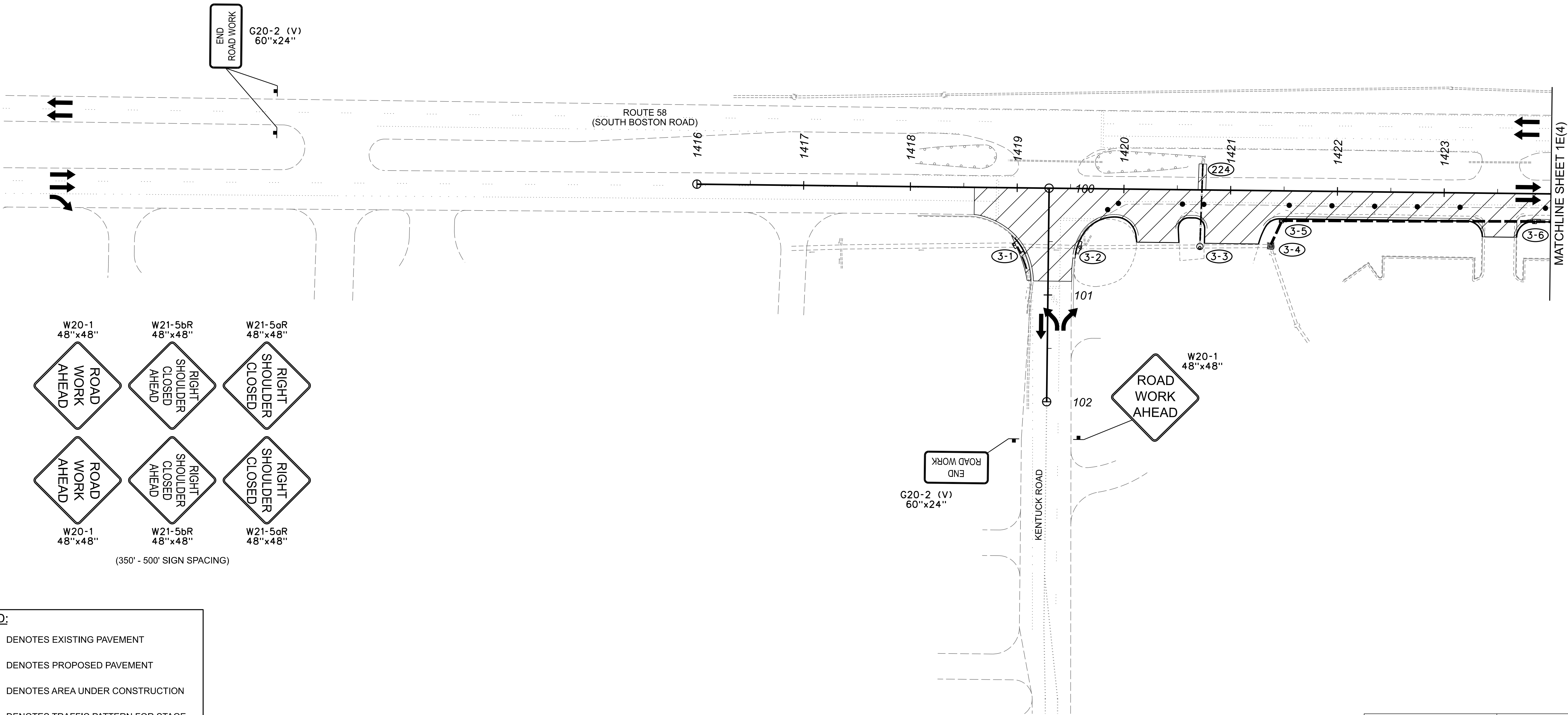
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	6058-108-461 C501	

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

Whitman Requardt & Associates
Blacksburg, Virginia
ROADWAY ENGINEER



PHASE I
TYPICAL SECTION
(N.T.S.)



90% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED
FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

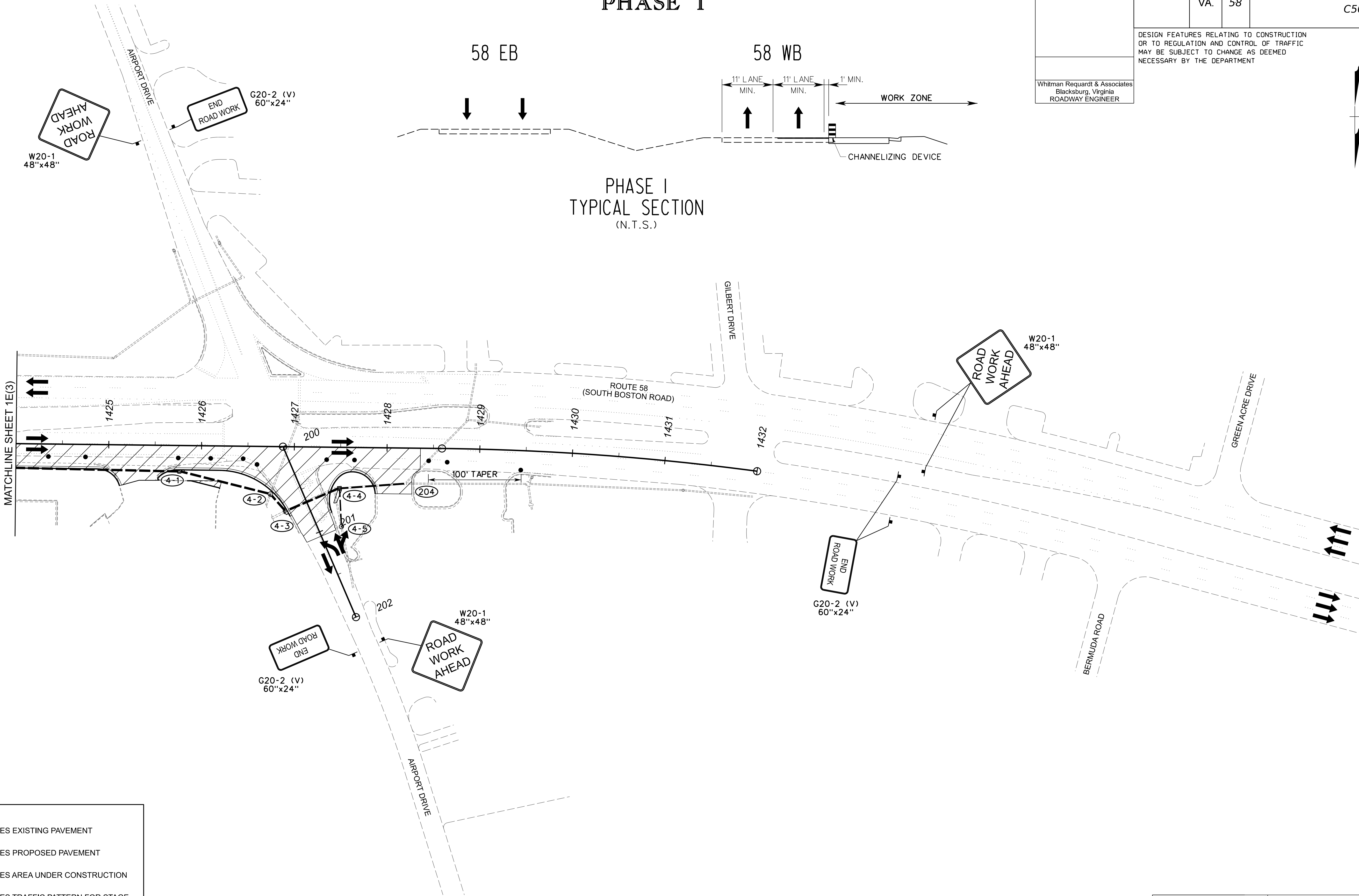
PROJECT MANAGER *Chris. Crooks, P.E.* (City of Danville)
SURVEYED BY, DATE *H. & B. Surveying and Mapping, LLC* 06/24
DESIGN BY *Whitman Requardt & Associates, LLP* (540) 951-3727
SUBSURFACE UTILITY BY, DATE

TRANSPORTATION MANAGEMENT PLAN
PHASE I

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	6058-108-461 C501	

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

Whitman Requardt & Associates
Blacksburg, Virginia
ROADWAY ENGINEER



PHASE I
TYPICAL SECTION
(N.T.S.)

LEGEND:

- DENOTES EXISTING PAVEMENT
- DENOTES PROPOSED PAVEMENT
- DENOTES AREA UNDER CONSTRUCTION
- DENOTES TRAFFIC PATTERN FOR STAGE
- GROUP 2 CHANNELIZING DEVICE

SCALE	PROJECT	SHEET NO.
0 50' 100'	6058-108-461	1E(4)

PROJECT MANAGER *Chris E. Crooks, P.E.* (City of Danville) -----
SURVEYED BY, DATE *H. & B. Surveying and Mapping, LLC* .06/24 -----
DESIGN BY *Whitman, Requardt & Associates, LLP* (540) 951-3727 -----
SUBSURFACE UTILITY BY, DATE -----

GENERAL NOTES SHEET

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	6058-108-461 C501	

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

GRADING

- G-1 The grade line denotes top of finished pavement unless shown otherwise on typical sections or plans.
- G-2 Earthwork quantities on this project are based on anticipated settlement and may require adjusting during construction.
- G-4 The cost of removal of all existing items located in the area to be graded, including, but not limited to the following, shall be included in the price bid for regular excavation: Conc. Ditch, Concrete Pad.
- G-6 The borrow material for this project shall be a minimum CBR X or as approved by the Materials Engineer.

DRAINAGE

- D-1 The horizontal location of all drainage structures shown on these plans is approximate only, with the exception of structures showing specific stations, special design bridges and storm sewer systems.
- D-2 The horizontal location and invert elevations shown for proposed culverts and storm sewer outfall pipes are based on existing survey data and required design criteria. If during construction, it is found that the horizontal location or invert elevations shown on the plans differ significantly from the horizontal location or elevations of the stream or swale in which the culvert or storm sewer outfall pipe is to be placed, the Engineer shall confer with, and get approval from, the applicable District Drainage Engineer before installing the culvert or storm sewer outfall pipe.
- D-3 The "H" dimensions shown on plans for drop inlets and junction boxes and the "L.F." dimensions shown for manholes are for estimating purposes and are based on the proposed invert elevations shown for the structure and the anticipated top (rim) elevation based on existing or proposed finished grade. The actual "H" or "L.F." dimensions are to be determined by the contractor from field conditions.
- D-6 Pipes shall conform to any of the allowable types shown on sheet number 6, within the applicable height of cover limitations. For strength, sheet thickness, or class designation, available sizes, height of cover limitations and other restrictions for a particular pipe type or height of cover, see the VDOT Road and Bridge Standard PC-1. Structural plate pipe may be substituted for corrugated pipe of the same size, provided the substitution complies with the applicable sections of the VDOT Road and Bridge Standards PC-1.
- D-12 All existing drainage facilities labeled "To Be Abandoned" shall be left in place, backfilled and plugged in accordance with the VDOT Road and Bridge Standard PP-1. Basis of Payment will be C.Y. of Flowable Backfill.
- D-14 Proposed drop inlets with a height (H) less than the standard minimum shown in the VDOT Road and Bridge Standards shall be considered and paid for as Standard Drop Inlets for the type specified. Pipes with less than standard minimum finished height of cover shall be noted as such in the drainage description for the pipe. Specific pipe bedding and cover requirements are provided in the applicable PB-1 and PC-1 standard drawings of the VDOT Road and Bridge Standards.
- D-16 When CG-6 or CG-7 is specified on a radius (such as at a street intersection), the Engineer may approve a decrease in the cross slope of the gutter to facilitate proper drainage.

PAVEMENT

- P-2 The pavement materials on this project will be paid for on a tonnage basis. The weight will vary in accordance with the specific gravity of the aggregates and the asphaltic content of the mix actually used to secure the design depth. The weight of the asphalt concrete is based on 95% of theoretical maximum density. (See IIM-LD-158)

INCIDENTALS

- I-4 All trees located within the Clear Zone or within a minimum of 30 feet of the edge of pavement, within the limits of the right of way or construction easement, unless otherwise noted on plans or directed by the Engineer, shall be removed, as provided for a Section 301 of the applicable VDOT Road and Bridge Specifications.
- I-18 All pavement markings and traffic flow arrows shown on the roadway construction plans are schematic only. The actual location and application of pavement markings shall be in accordance with Section 704 of the applicable VDOT Road and Bridge Specifications, MUTCD, sequence of construction/traffic control plans, and as directed by the Engineer.
- I-20 The Official Electronic PDF Version of the plans will override the paper copies or prints of specific layers.

Portions of this plan assembly have been CADD generated. To assist in the preparation of the bid and construction of the project, MicroStation format (.dgn) files will be made available to the prime contractor during bids and after oword of the contract.

- I-21 All electronic plan assemblies will include the construction plans in two formats: PDF files and MicroStation format (.dgn) files. Only the PDF files will be considered as part of the official plan assembly.

The MicroStation format (.dgn) files are furnished only as information for the contractor. These plans are developed in layers (levels) to aid in readability. (See the VDOT CADD Manual for CADD Level Structure). However, the construction items may or may not be in the proper layering scheme as described in the VDOT CADD Manual. The MicroStation files will only match the scanned files if all required levels are turned on. A MicroStation Software license is required to be able to read these files.

EROSION AND SILTATION CONTROL

- E-1 If the removal of Brush Silt Barrier is specified by the plans or required by the Engineer, the cost of removal and disposal of brush shall be in accordance with Section 109 of the applicable VDOT Road and Bridge Specifications.

- E-2 Rock for Check Dams, Inlet Protection, Erosion Control Stone and Riprap shall be in accordance with Section 203 and Section 414 of the applicable VDOT Road and Bridge Specifications.

- E-3 The following symbols are used to depict Erosion Control items in the plan assembly:

	<div>EC-2, TY. 1</div> <div>EC-2, TY. 2</div> <div>EC-2, TY. 3</div> <div>EC-2, TY. 4</div>	Denotes Rolled Erosion Control Product, Temporary, St'd. EC-2 Type 1, 2, 3 or 4
	<div>EC-3, TY. 1</div> <div>EC-3, TY. 2</div> <div>EC-3, TY. 3</div>	Denotes Rolled Erosion Control Product, Permanent, St'd. EC-3 Type 1, 2 or 3
	<div>TSF-A</div> <div>TSF-B</div>	Denotes Temporary Silt Fence, St'd EC-5 Type A or B
	<div>TC-D</div>	Denotes Temporary Check Dam, St'd EC-16
	<div>TDC</div>	Denotes Temporary Diversion Channel, St'd EC-12
	<div>DD</div>	Denotes Temporary Diversion Dike, St'd EC-9
	<div>TC-I</div>	Denotes Turbidity Curtain, Type - Impervious
	<div>TC-P</div>	Denotes Turbidity Curtain, Type - Pervious
	<div>RCD-1</div>	Denotes Rock Check Dam, Type I; St'd EC-4
	<div>RCD-2</div>	Denotes Rock Check Dam, Type II; St'd EC-4
	<div>IP-A</div>	Denotes Inlet Protection, Type A; St'd EC-6
	<div>IP-B</div>	Denotes Inlet Protection, Type B; St'd EC-6
	<div>TSI</div>	Denotes Slope Interrupter; St'd EC-15
	<div>LOD</div>	Denotes Limits of Disturbance

NOT TO SCALE

PROJECT
6058-108-461

SHEET NO.
2

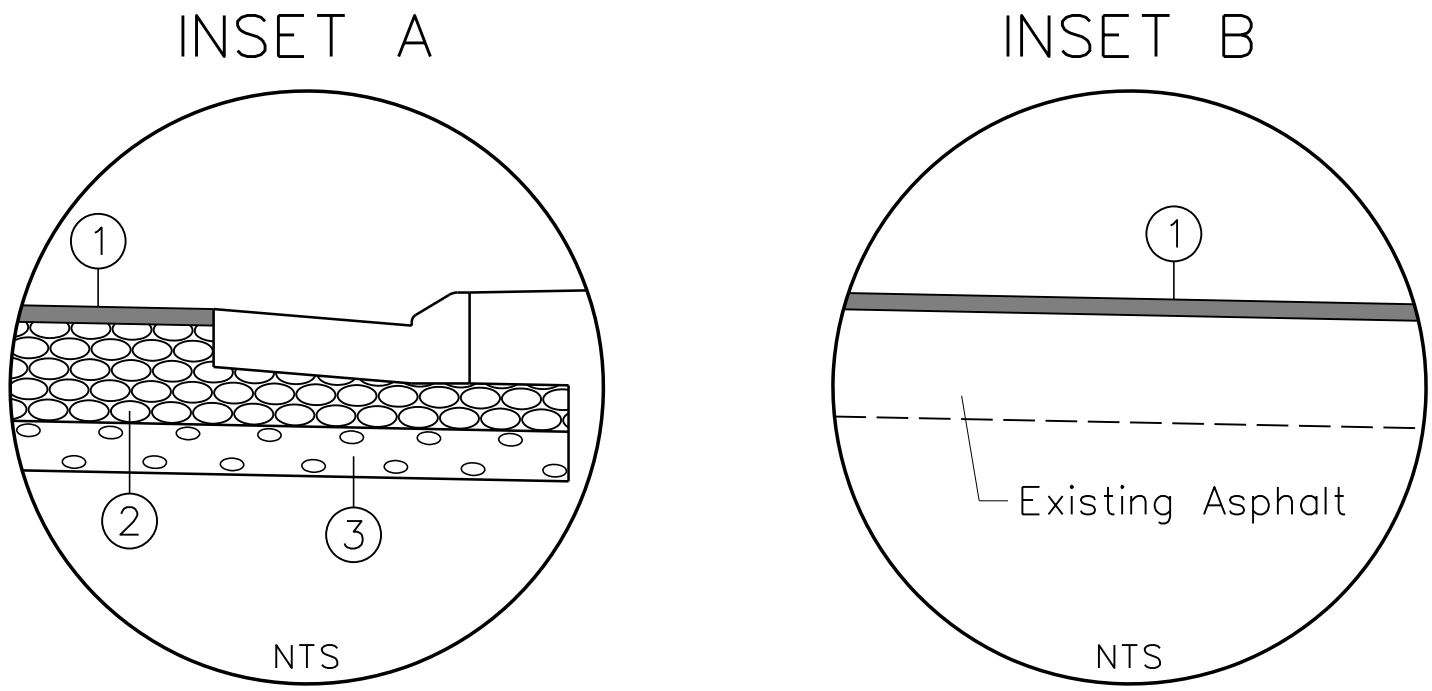
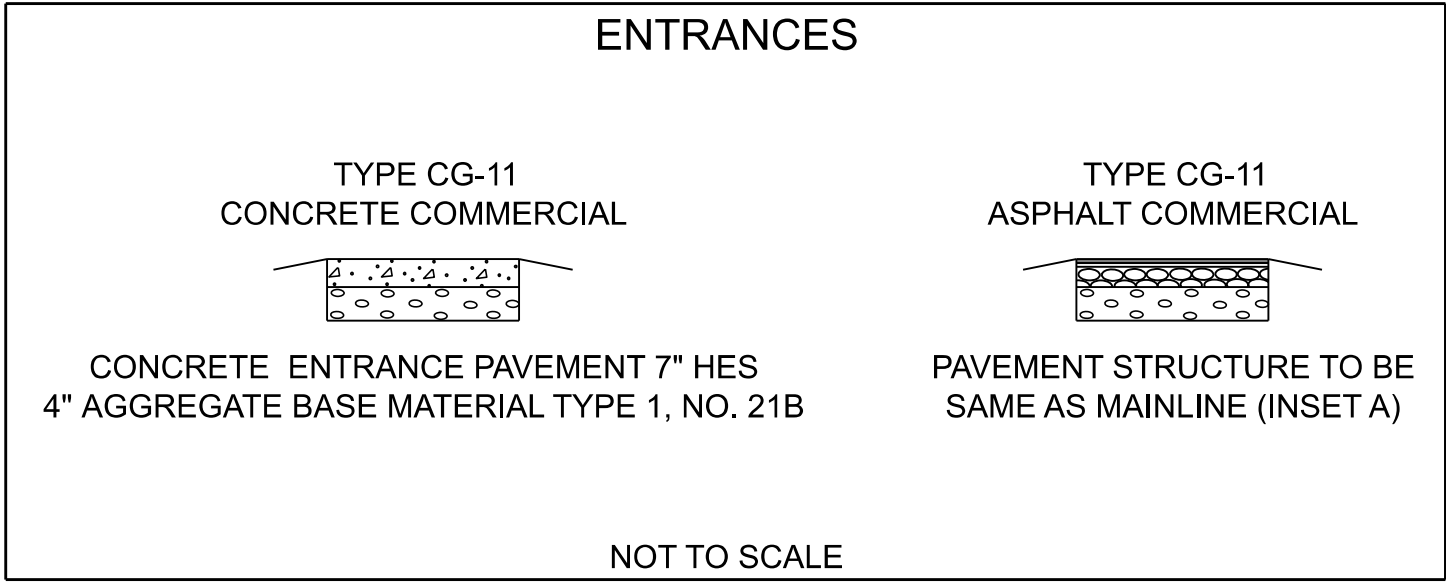
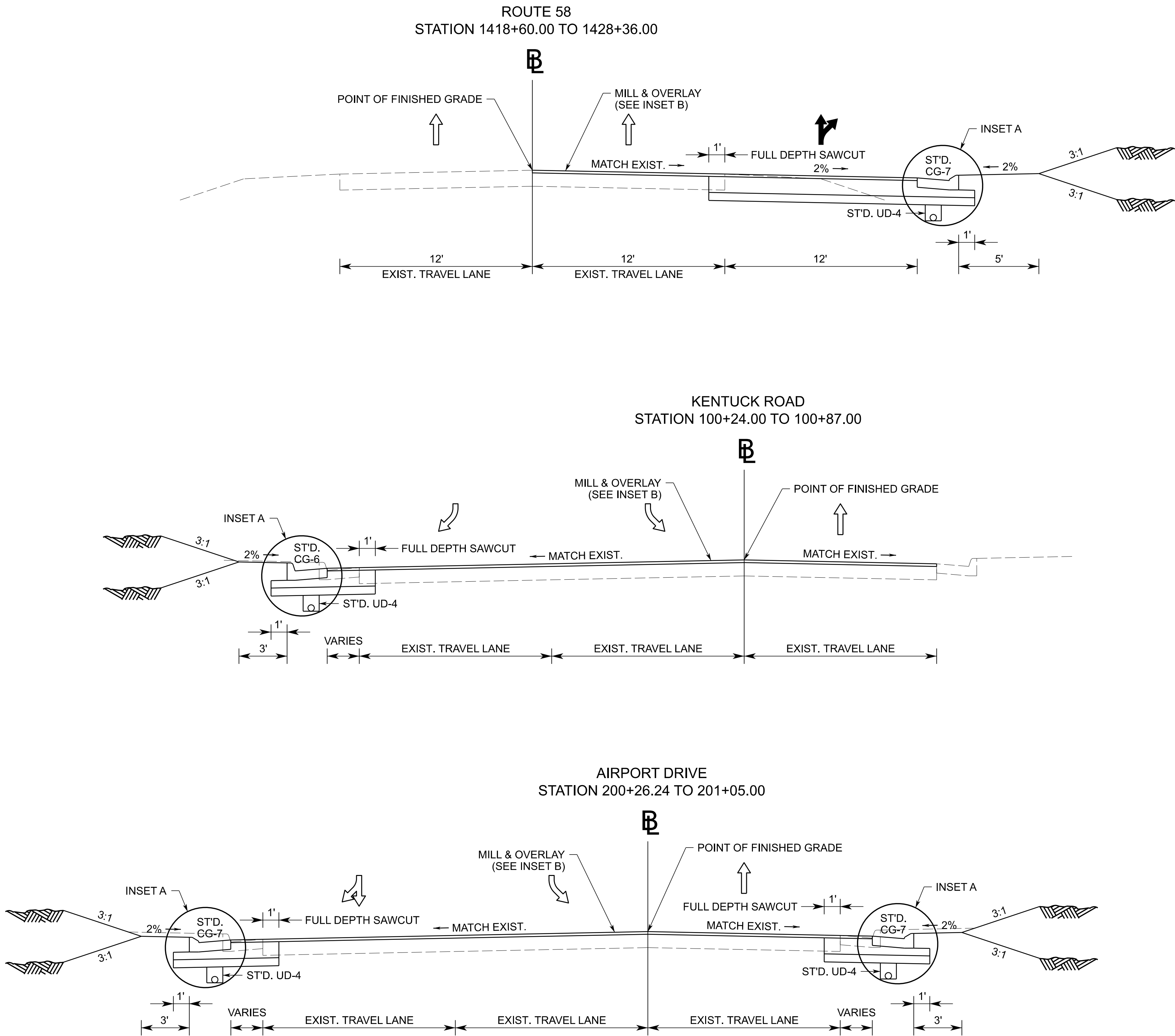
90% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER *Chris. E. Crooks, P.E.* (City of Danville)
SURVEYED BY, DATE *H. & B. Surveying and Mapping, LLC* 06/24
DESIGN BY *Whitman Requardt & Associates, LLP* (540) 951-3727
SUBSURFACE UTILITY BY, DATE

TYPICAL SECTION SHEET

		REVISED	STATE	STATE		SHEET NO.
				ROUTE	PROJECT	
			VA.	58	6058-108-461 C501		2A
		DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Whitman Requardt & Associates Blacksburg, Virginia ROADWAY ENGINEER	Whitman Requardt & Associates Baltimore, Maryland GEOTECHNICAL ENGINEER					



- ① 2" ASPHALT CONCRETE TYPE SM-12.5E @ 235 LBS/SY
- ② 12" ASPHALT CONCRETE TYPE BM-25.0A
- ③ 6" AGGREGATE BASE MATERIAL TYPE 1, NO. 21B

NOTE: VDOT WP-2 SHALL BE USED WHERE NEW FULL DEPTH PAVEMENT WIDENING MEETS EXISTING PAVEMENT.
NOTE: PROPOSED PAVEMENT DEPTH SHALL BE ADJUSTED TO MATCH EXISTING PAVEMENT DEPTH IF EXISTING PAVEMENT SECTION IS DEEPER.

NOTE: PAVEMENT WIDTHS VARY AT TURN LANES, TAPERS, AND CONNECTIONS.
SEE PLAN SHEETS AND CROSS SECTIONS FOR PAVEMENT LENGTHS AND WIDTHS.

NOT TO SCALE

PROJECT
6058-108-461

SHEET NO.
2A

90% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER *Chris Crooks, P.E. (City of Danville)* -----
SURVEYED BY, DATE *H. & B. Surveying and Mapping, LLC 06/24* -----
DESIGN BY *Whitman, Requardt & Associates, LLP (540) 951-3722* -----
SUBSURFACE UTILITY BY, DATE -----

The information contained in the SWPPP General Information sheets is intended to comply with the requirements of the General VPDES Permit For Discharges Of Stormwater From Construction Activities (VAR10) (the CGP) issued July 1, 2024 and VDOT's approved Annual ESC and SWM Standards and Specifications.

The SWPPP General Information sheets are to be completed and included in the construction plan set (or other such documents) for land disturbance activities that disturb an area equal to or greater than 10,000 square feet outside the Chesapeake Bay Preservation Area, or equal to or greater than 2,500 square feet in the area defined as Tidewater, Virginia in the Virginia Chesapeake Bay Preservation Act.

The VDOT RLD (as defined in the latest IIM-LD-242) will ensure that the information shown on the SWPPP General Information sheets is updated/revised as necessary in order to reflect changes that may occur during the construction phase of the land disturbing (construction) activity. The updated/revised sheets shall be maintained with the designated record set of plans (or other such documents) for the land disturbance (construction) activity.

I certify under penalty of law that I have read and understand this document and that this document and all attachments were prepared in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I further certify that this document and all other documents related to the SWPPP, as identified on the SWPPP General Information Sheets, are maintained at the activity site, or at a location convenient to the activity site where no on-site facilities are available, and such documents will be made available for review upon request in accordance with the provisions of the General VPDES Permit for Discharges of Stormwater from Construction Activities (VAR10) when applicable. Where the SWPPP documents are not stored on-site, a copy of such documents shall be in the possession of those with day to day operational control over the implementation of the SWPPP whenever they are on site.

* or ** Duly Authorized Representative Signature"

Signature: -----
Printed Name: -----
Date: -----

(1) See Section 1, Item 12 relating to delegation of authority, and form LD-445H (Delegation of Authority).

ACRONYMS

ACE - Area Construction Engineer	R&B - Road and Bridge
AS&S - Annual Standards and Specifications	RLD - Responsible Land Disturber
BMP - Best Management Practice	SWM - Stormwater Management
CBPA - Chesapeake Bay Preservation Act	SWPPP - Stormwater Pollution Prevention Plan
CGP - General VPDES Permit For Discharges of Stormwater from Construction Activities (VAR10)	TMDL - Total Maximum Daily Load
DEQ - Department of Environmental Quality	VDOT - Virginia Department of Transportation
DHE - District Hydraulic Engineer	VESMP - Virginia Erosion and Stormwater Management Program
EPA - U.S. Environmental Protection Agency	VPDES - Virginia Pollutant Discharge Elimination System
ESC - Erosion and Sediment Control	WLA - Waste Load Allocation
IIM - Instructional and Informational Memorandum	
NPDES - National Pollutant Discharge Elimination System	

SECTION I GENERAL INFORMATION

1. Activity Description - (insert appropriate text)

2. This land disturbance (construction) activity site is located in (insert the appropriate County/City) and approximately (insert the appropriate number to the nearest one hundredth of an acre) acres will be disturbed by excavation, grading or other construction activities.

3. (Include one of the following notes as appropriate)

A. This proposed activity disturbs one acre or greater and requires coverage under the CGP as issued by the DEQ. A copy of the CGP (VAR10), the registration information (Registration Statement, LD-445 & LD-445C forms) and the permit coverage letter received from DEQ shall be maintained with other SWPPP documents for this land disturbing activity.

B. This proposed activity disturbs less than one acre and is exempt from coverage under the CGP as issued by the DEQ.

C. This proposed activity is exempt from coverage under the CGP as issued by the DEQ because it is considered a routine maintenance activity (i.e., the proposed activity is intended to maintain the original line and grade, hydraulic capacity or original construction of the project or involves the paving of an existing roadway with a compacted or impervious surface and the reestablishment of associated ditches and shoulders).

XX 4. The location of support facilities that will be covered under the CGP coverage for this land disturbance (construction) activity shall be provided by the contractor and identified on a legible map. Support facilities shall include, but not be limited to, borrow and disposal areas, construction and waste material storage areas, equipment and vehicle washing, maintenance, storage and fueling areas, storage areas for fertilizers, fuels or chemicals, concrete wash out areas, sanitary waste facilities and any other areas that may involve land disturbance or pollutant-generating activities of its own. Must also include areas where polymers, flocculants, or other stormwater treatment chemicals will be used or stored. Only support facilities within the VDOT ROW and easements are covered under this CGP.

XX 5. Written Evidence of permit coverage shall be provided by the contractor for all support activities located outside of VDOT right of way or easement in the form of the CGP coverage letter: (List VPDES Permit * or Letter from VESMP Authority stating coverage not needed)

SWPPP GENERAL INFORMATION SHEET

Impaired waters, TMDLs, Exceptional waters, and Turbidity Monitoring

6. Does stormwater from this land disturbing activity discharge into surface waters that have been identified as impaired in the 2022 305(b)/303(d) Water Quality Assessment Integrated Report for Benthic Macroinvertebrates Bioassessments? (See latest DEQ Environmental Mapper)

☐ No
☐ Yes

List impaired water(s) here:

7. Does stormwater from this land disturbing activity discharge into a watershed with a TMDL waste load allocation established prior to July 1, 2024 for sediment, total suspended solids, turbidity, nitrogen or phosphorus, including all surface waters within the Chesapeake Bay Watershed?

☐ No
☐ Yes

List TMDL(s) and pollutant(s) here:

8. Does stormwater from this land-disturbing activity discharge stormwater to surface waters that have been identified as Exceptional in 9VAC25-260-30.A.3.c of the Water Quality Standards regulation?

☐ No
☐ Yes

List name of surface waters:

9. If "NO" was answered in note 6, 7, and 8, then items a, b, c and d (below) shall be implemented and adhered to for this land-disturbing activity.
If "Yes" was answered in note 6, 7, or 8, then the requirements of Part I.B.4.a or Part I.B.5, as applicable, of the Construction General Permit shall be implemented and the operator shall ensure the following SWPPP requirements are adhered to for this land-disturbing activity:

- Permanent or temporary soil stabilization shall be applied to denuded areas within seven (7) days after final grade is reached on any portion of the construction site.
- Temporary and permanent stabilization will be applied as noted and in accordance with ESC Minimum Standards 1 and 3.
- Nutrients (e.g., fertilizers) shall be applied in accordance with manufacturers recommendations or an approved nutrient management plan and shall not be applied during rainfall events: Nutrients are being applied per the projects Roadside Development sheet.
- Inspections shall be conducted at a frequency of (i) at least once every four (4) business days or (ii) at least once every (5) business days and no later than 24 hours following a measurable storm event. In the event that a measurable storm event occurs when there are more than 24 hours between business days, the inspection shall be conducted on the next business day; and Inspections are being completed at least every four (4) business days (C-107s are completed on Mondays and Thursdays) Representative inspections used by utility line installation, pipeline construction, or other similar linear construction activities shall inspect all outfalls.
- Turbidity Monitoring Requirement - Undertake one of the methods identified in Part II.B.8. of the CGP for controlling and documenting construction dewatering discharges.

10. Locations of surface waters and locations where concentrated stormwater is discharged from this land disturbance (construction) activity are identified in the construction plan set (or other such site maps) for this land disturbance (construction) activity. (List name of surface waters and locations here if not shown in construction plan or other such documents).

11. The ESC and SWM plans (where applicable) for this land disturbance (construction) activity have been developed in accordance with VDOT's Annual Erosion and Sediment Control and Stormwater Management Standards and Specifications as approved by the DEQ.

12. List the RLD and other responsible parties for the land disturbance activity: (required for erosion and sediment control). The following individual(s) are "duly authorized" to sign all reports required by the CGP including the SWPPP General Information Sheets and Inspection Reports (C-107). Reference form LD-445H for Duly Authorized Representatives (form LD-445H for the project is hereby incorporated by reference into this SWPPP). These individual(s) has/have overall responsibility or the environmental matters for the project: (required only for permitted projects):

Name	Position	Qualifications (if required)	Responsibility
	RLD		Certify the SWPPP (with date & sig.)
	Certified Contractor		Sign (C-107) Inspection Form Part 1
	Certified Inspector		Sign (C-107) Inspection Form Part 1
	Certified Inspector		Sign (C-107) Inspection Form Part 2

XX 13. The name of the VDOT individual(s) responsible for the oversight inspection in accordance with IIM-LD-256 on these land disturbance construction activities as identified on these SWPPP General Information Sheets. The following individual(s) are "duly authorized" to sign all reports required by the CGP including the SWPPP General Information Sheets and Inspection Reports (C-107). Reference for LD-445H for Duly Authorized Representatives (form LD-445H for the project is hereby incorporated by reference into this SWPPP). The names will be updated and maintained with the other SWPPP documents for this land disturbance activity.

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	6058-108-461 C501	

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

VDOT Individuals	Position	Qualifications (if required)	Responsibility
	NPDES		NPDES coordinator or designee(s) responsible for the oversight inspection in accordance with IIM-LD-256
	Dist. Hyd. Engineer		District Hydraulic Engineer or designee(s) responsible for the review & the coordination approval of ESC SWM plan modification(s).
	ACE		Project Manager during Construction

XX 14. The ESC and P2 inspections for this land disturbing (construction) activity shall follow (Select Schedule 1 or 2, if schedule *2 is used, void note *15) as defined in R&B Specifications identified on the title sheet except for Section 107 an Inspection Requirements Rain gauge notes apply only to Inspection Schedule 1.

If the operator must make the same repairs more than two times to the same control at the same location, even if the fix can be completed by the close of the next business day, the operator shall either:

- Complete work to fix any subsequent repeat occurrences of this same problem under the corrective action procedures in Part II.H, including keeping any records of the condition and how it was corrected under Part II.C: or

- Document in the inspection report under Part II.G why the specific reoccurrence of this same problem should still be addressed as a routine maintenance fix.

XX 15. The location of the on-site rain gage that will be used to determine the occurrence of a measurable storm event for the purposes of ESC and Pollution Prevention inspections will be provided by the contractor and identified on the record set of plans or in other appropriate SWPPP documents for this land disturbance activity: (List location of rain gage).

The rain gage shall be observed daily at " " to determine the occurrence of a measurable storm event (i.e., 0.25 inches of rainfall or greater in a 24 hour period). A log book shall be maintained to record observation information which shall include (1) the date, (2) the time, (3) whether or not rainfall is occurring at the time of the observation, (4) the amount of accumulated rainfall in the gage, if any, and (5) whether or not an inspection is required based on the amount of accumulated rainfall in the gage.

A discharge caused by snow melt (from a snow event producing 3.25 inches or more of snow within a 24-hour period). The operator is required to conduct one inspection once the discharge of snow melt occurs. Additional inspections are only required if, following the discharge from the first snow melt, there is a discharge from a separate storm event.

If there is no rainfall occurring at the time of the observation, the observation information shall be noted in the log book and the rain gage emptied and replaced. An inspection is required if there is 0.25 inches or more accumulation noted in the rain gage. If there is rainfall occurring at the time of the observation, the observation information is to be noted in the log book. The rain gage is not to be emptied but left to accumulate additional rainfall until the conclusion of the rainfall event. At the conclusion of the rainfall event, an observation of the rain gage shall be made and the observation information shall be noted in the log book and the rain gage emptied and replaced. An inspection is required if there is 0.25 inches or more accumulation noted in the rain gage.

16. The following VDOT documents are applicable to a) permitted projects b) non-permitted projects in Chesapeake Bay Preservation Areas (CBPA) with 2,500 S.F. to 1.0 acre of land disturbance c) non-permitted projects requiring a SWPPP and d) Non-permitted, Non-CBPA with BMP projects that have a water quantity BMP:

VDOT LD-445: Permitted projects, CBPA projects and Non-permitted, Non-CBPA with BMP projects that have a water quantity BMP and ESC projects > 10,000 s.f. but <1 acre.

VDOT LD-445A: Permitted projects only.

VDOT LD-445C: Projects that require a permit, ESC Plan, SWM, or SWPPP.

VDOT LD-445D: Permitted projects, CBPA projects and Non-permitted, Non-CBPA with BMP projects that have a water quantity BMP.

VDOT LD-445F: Emergency work projects (when applicable)

VDOT LD-445H: Permitted projects only.

VDOT C-107 Part I (All projects that require a SWPPP).

VDOT C-107 Part II (Only for Permitted Projects).

VDOT LD-445I: AS&S Approval Form (when applicable)

VDOT LD-445J: Off-site Support/ Material Disposal Area Activities Tracking Form

XX Denotes information that is to be provided/completed by the RLD.

XX Denotes information that is to be provided/completed by the contractor.

PROJECT	SHEET NO.
6058-108-461	2B(1)

90% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER *Chris. Crooks, P.E.* (City of Danville) -----
SURVEYED BY, DATE *H. & B. Surveying and Mapping, LLC* 06/24 -----
DESIGN BY *Whitman, Requardt & Associates, LLP* (540) 951-3722 -----
SUBSURFACE UTILITY BY, DATE -----

SWPPP GENERAL INFORMATION SHEET

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	6058-108-461 C501	

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

SECTION II EROSION AND SEDIMENT CONTROL

- ✖✖ 1. The intended sequence and timing of activities that disturb soils at the site (e.g., grubbing, excavation, grading, utilities and infrastructure installation, etc.) shall be provided by the contractor in accordance with the current edition of Section 108 of the VDOT R&B Specifications identified on the title sheet and shall be included with the other SWPPP documents for this land disturbance (construction) activity.
2. Existing and proposed drainage patterns on the construction site and approximate slopes anticipated before and after major grading activities are identified in the construction plan set (or other such documents) for this land disturbance (construction) activity.
3. Areas of soil disturbance and areas of the site which will not be disturbed are identified in the construction plan set (or other such documents) for this land disturbance (construction) activity.
4. Locations of major structural and nonstructural ESC measures intended to filter, settle or similarly remove sediment are identified in the construction plan set (or other such documents) for this land disturbance (construction) activity.
5. Locations where stabilization practices are expected to occur are identified in the construction plan set (or other such documents) for this land disturbance (construction) activity.
6. A description of interim and permanent stabilization practices for the site are identified in the applicable sections of the documents identified in the Note 1 of Section IV.
- ✖✖ 7. A record of the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the construction site, and when stabilization measures are initiated will be provided by the contractor and maintained with the record set of plans or other SWPPP documents for this land disturbance (construction) activity: (List how this will be tracked and the location)
8. A description and schedule of procedures to maintain vegetation, erosion and sediment control measures and other protective measures in good and effective operating conditions are identified in the current edition of Sections 107 and 303 of the VDOT R&B Specifications identified on the title sheet.
9. Nutrients shall be applied in accordance with the current edition of Sections 603, 604 and 605 of the VDOT Road and Bridge Specifications identified on the title sheet. Nutrients shall not be applied during rainfall events. Top soil shall be applied in accordance with the current edition of section 602 of the Road and Bridge Specifications identified on the title sheet.
10. All engineering calculations supporting the design of erosion and sediment control measures proposed for this land disturbance (construction) activity are contained in the project drainage file located in the (insert appropriate location, i.e., VDOT Central Office Hydraulics Section or the VDOT (specify) District Hydraulics Section or the VDOT (specify) Residency Office) and will be made available for review upon request during normal business hours.
11. The temporary erosion and siltation control items shown on the ESC Plan for this land disturbing (construction) activity are intended to provide a general plan for controlling erosion and sediment within the project limits. The ESC Plan is based on field conditions at the time of plan development and an assumed sequence of construction for the project. The contractor, in conjunction with the VDOT Project Engineer and/or ESC Inspector, shall adjust the location, quantity and type of erosion and sediment control items required based on the actual field conditions encountered at the time of construction and the actual scheduling and sequencing of the construction activities. Significant changes to the proposed ESC Plan (e.g., those that require an engineering analysis, elimination of a perimeter control, change to ESC concept that would affect the quantity or direction of flow of water) shall be submitted to the applicable District Hydraulics Engineer for review and approval. Any changes to the proposed ESC Plan must be noted on the designated record set of plans which shall be retained on the project site and made available upon request during normal business hours. Changes noted on the designated record set of plans must address certification language with initial and date by duly authorized personnel.
12. The areas beyond the project's construction limits are to be protected from siltation. Perimeter controls such as silt fence, diversion dikes, turbidity curtains, etc. shall be installed prior to any grubbing operations or other earth moving activities.
13. Temporary earthen structures such as dikes and berms are to be stabilized immediately upon installation. Stabilization may include temporary or permanent seeding, riprap, aggregate, sod, mulching, and/or soil stabilization blankets and matting in conjunction with seeding.
14. All channel relocations are to be constructed during the earliest stage of construction and shall be constructed in accordance with all applicable permit requirements and shall be constructed in the dry wherever possible. Stabilization or vegetation shall be established before flow is redirected through the constructed area as directed by the Engineer.
15. The contractor shall plan and implement his land disturbance operations in order to:
- Control the volume and velocity of stormwater runoff within the site to minimize erosion.
 - Control the peak flow rates, volume and velocity of stormwater discharges to minimize erosion at outlets and in downstream channels.
 - Minimize the amount of soil exposed.
 - Minimize the disturbance of steep slopes.
 - Minimize sediment discharge from the site.
 - Provide and maintain natural buffers around surface waters, direct stormwater runoff to vegetated areas and maximize stormwater infiltration, unless infeasible.
 - Minimize soil compaction (except in those areas where compaction is required by the contract documents) and preserve topsoil where feasible.

- ✖✖ 16. The name of the individual(s) or contractor(s) responsible for the installation and maintenance of the erosion and sediment control measures shall be supplied by the contractor and maintained with the other SWPPP documents for this land disturbance (construction) activity.
17. Soil stockpiles temporarily placed within the project area or on VDOT right of way or easement shall be identified, stabilized, and protected with sediment trapping measures.
18. A construction entrance or other approved measure shall be installed at all locations where construction vehicular traffic access routes intersect a paved or a public road in order to minimize the transport of sediment by vehicular tracking onto the paved surface. Where sediment is transported onto a paved or a public road surface, the road shall be cleaned thoroughly at the end of each work day by shoveling or sweeping. Removed sediment shall be disposed of in accordance with Section 106.04 of the R&B Specifications identified on the title sheet. Construction entrances shall be maintained as necessary, including the addition of additional rock, as part of routine maintenance.
19. Any variance, exception or deviation approved by DEQ must be listed below and supporting documentation (exception/variance/deviation request and DEQ approval) must be maintained with the SWPPP.

The following exceptions to the Water Quantity criteria of the VESMP Regulation have been approved by the DEQ for this land disturbance (construction) activity: (list all approved variances, exceptions, deviations and include a brief description of the variance, the date approved and the approving DEQ Office).

Type(1)	Regulation Modified(2)	Approval Date(3)	Description

- (1) Type of modification (Variance from ESC regulations, or Deviation from published guidance)
(2) Section of Regulation or Guidance Document Modified (e.g. ESC Min. Std. 15)
(3) Date that variance/exception/deviation was approved by DEQ.
(4) Description and request

SECTION III POST CONSTRUCTION STORMWATER MANAGEMENT

Choose the appropriate note 1A or 1B that is applicable to the proposed post construction SWM Plan for this land disturbance (construction) activity. (Delete, strike through or mark as NA those notes not applicable.)

1. (Include one of the following notes as appropriate)
- ✖ A. This land disturbance activity is grandfathered under Section 9VAC25-875-490 of the VESMP Regulations and utilizes the technical criteria (Formerly Part IIC of the technical criteria) contained in Article 4 (9VAC25-875-670, et seq.) of the VESMP Regulations.
- ✖ B. This land disturbance activity utilizes the technical criteria contained in Article 3 (9VAC25-875-570, et seq.) of the VESMP Regulations (Formerly Part IIB of the technical criteria).
2. An exception for (number) pounds of phosphorus removal has been granted for this land disturbance activity by the DEQ in its letter dated (date).
3. Any variance, exception or deviation approved by DEQ must be listed below and supporting documentation (exception/variance/deviation request and DEQ approval) must be maintained with the SWPPP.

The following exceptions to the Water Quantity criteria of the VESMP Regulation have been approved by the DEQ for this land disturbance activity: (list all approved variances, exceptions/deviations and include a brief description, the date approved and the approving DEQ Office)

Type(1)	Regulation Modified(2)	Approval Date(3)	Description

- (1) Type of modification (Variance, or Exception from SWM Regulations or Deviation from published guidance)
(2) Section of Regulation or Guidance Document Modified (e.g. ESC Min. Std. 15)
(3) Date that variance/exception/deviation was approved by DEQ.
(4) Description of request
4. The permanent on-site SWM facilities or off-site strategies proposed to meet the water quality/quantity requirements for this land disturbance (construction) activity are listed in Section VI.

NOT TO SCALE

PROJECT
6058-108-461

SHEET NO.
2B(2)

90% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER *Chris. Crooks, P.E.* (City of Danville) -----
SURVEYED BY, DATE *H. & B. Surveying and Mapping, LLC* 06/24 -----
DESIGN BY *Whitman, Requardt & Associates, LLP* (540) 951-3722 -----
SUBSURFACE UTILITY BY, DATE -----

SWPPP GENERAL INFORMATION SHEET

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	6058-108-461 C501	2B(3)

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

The information contained in the SWPPP General Information sheets is intended to comply with the requirements of the General VPDES Permit For Discharges Of Stormwater From Construction Activities (the CGP) issued July 1, 2024 and VDOT's approved Annual ESC and SWM Standards and Specifications.

The SWPPP General Information sheets are to be completed and included in the construction plan set (or other such documents) for land disturbance (construction) activities that disturb an area equal to or greater than 10,000 square feet outside the Chesapeake Bay Preservation Area, or equal to or greater than 2,500 square feet in the area defined as Tidewater, Virginia in the Virginia Chesapeake Bay Preservation Act.

The VDOT RLD will ensure that the information shown on the SWPPP General Information sheets is updated/revised as necessary in order to reflect changes that may occur during the construction phase of the land disturbing (construction) activity. The updated/revised sheets shall be maintained with the designated record set of plans (or other such documents) for the land disturbance (construction) activity.

SECTION IV SWPPP

- All documents related to the SWPPP for this land disturbance (construction) activity shall be maintained at the activity site and shall be readily available for review upon request during normal business hours. Such documents include, but are not limited to, the construction plans (or other such documents), the ESC Plan, the Pollution Prevention Plan, the post construction SWM Plan (if applicable), the VDOT R&B Standards and Specifications, Supplemental Specifications, Special Provisions and Special Provision Copied Notes. Documents related to stormwater pollution prevention which are not a part of those documents referenced above, such as copies of the CGP coverage letter (when applicable) and the CGP (when applicable) and those required to be developed by the contractor for pollution prevention associated with any support facilities being included in the CGP coverage for this land disturbance (construction) activity are to be maintained at the activity site with the other SWPPP documents for this land disturbance (construction) activity. Where no facilities are available at the activity site to maintain the SWPPP documents, they are to be kept by or with the designated RLD at a location convenient to the activity site where they would be made available for review upon request during normal business hours.
- The SWPPP and any subsequent amendments, modifications and updates shall be signed and certified as necessary to comply with the CGP, and shall be implemented from commencement of land disturbance until termination of CGP coverage or completion of land disturbance (construction) activities where no CGP coverage is required.
- ✖✖ 3. For all support facilities that will be included in the CGP coverage for this land disturbance (construction) activity, the contractor shall develop a SWPPP in accordance with, but not limited to, Section 106 and 107 of the VDOT Road and Bridge Specifications identified on the title sheet. The SWPPP for the support facilities shall be maintained with and become a component of the SWPPP for this land disturbance (construction) activity. Support facilities shall include, but not be limited to, borrow and disposal areas, construction and waste material storage areas, equipment and vehicle washing, maintenance, storage and fueling areas, storage areas for fertilizers, fuels or chemicals, concrete wash out areas, sanitary waste facilities and any other areas that may generate a stormwater or non-stormwater discharge directly related to the construction site.
- For those land disturbing (construction) activities requiring coverage under the CGP, the SWPPP shall be made available for review upon the request of the DEQ, the EPA, the VESMP Authority, the VESCP Authority, local government officials or the operator of a municipal separate storm sewer system (MS4) receiving discharge from the construction site.
- ✖ 5. For those land disturbing (construction) activities requiring coverage under the CGP, the VDOT RLD shall post, or have posted, a copy of the CGP coverage letter and a copy of a completed LD-445A form, noting the name and contact information for the VDOT person responsible for the land disturbing (construction) activity and its SWPPP, outside the project's construction office along with other Federal and State mandated information. The copy of the notice of coverage letter shall be visible such that it can be readily viewed from a public right-of-way. Where there is no construction office (e.g., a maintenance activity), the permit coverage letter and the LD-445A form are to be maintained with the other SWPPP documents for the land disturbing (construction) activity.
- The SWPPP shall be made available for review by the public upon request. Such reviews shall be at a time and publicly accessible location convenient to the public and shall be scheduled during normal business hours and no less than once per month.

SECTION V - POLLUTION PREVENTION PLAN

- The following non-stormwater discharges from this land disturbing (construction) activity and any support facilities covered by this permit are prohibited:
 - Wastewater from concrete washouts.
 - Wastewater from the washout or clean out of stucco, paint, from release oils, curing compounds and other construction materials.
 - Fuels, oils or other pollutants used in vehicle and equipment operation and maintenance.
 - Oils, toxic substances or hazardous substances from spills or other releases.
 - Soaps, solvents or detergents used in equipment and vehicle washing.
 - There shall be no discharge of floating solids or visible foam in other than trace amounts.
 - The following non-stormwater discharges from this land disturbing (construction) activity and any support facilities are allowed when discharged in compliance with this CGP:
 - Discharges from emergency fire fighting activities.
 - Fire hydrant flushings managed to avoid an instream impact.
 - Waters used to wash vehicles or equipment, provided no soaps, solvents or detergents are used and the wash water is filtered, settled or similarly treated prior to discharge.
 - Water used to control dust that is filtered, settled or similarly treated prior to discharge.
 - Potable water including uncontaminated waterline flushings managed in a manner to avoid stream impacts.
 - Routine external building wash down, provided no soaps, solvents or detergents are used, external building surfaces do not contain hazardous substances, and the wash water is filtered, settled or similarly treated prior to discharge.
 - Pavement wash waters, provided spills or leaks of toxic or hazardous materials have not occurred (unless all spilled or leaked material is removed prior to washing), soaps, solvents or detergents are not used and the wash water is filtered, settled or similarly treated prior to discharge.
 - Uncontaminated air conditioning or compressor condensate.
 - Uncontaminated ground water or spring water.
 - Foundation or footing drains, provided flows are not contaminated with process materials such as solvents or contaminated groundwater.
 - Uncontaminated excavation dewatering, including dewatering trenches and excavations that are filtered, settled or similarly treated prior to discharge.
 - Landscape irrigation.
 - ✖✖ 3. The contractor shall develop a Pollution Prevention Plan to address any operations that have a potential to generate a pollutant that may reasonably be expected to affect the quality of stormwater discharges from this land disturbance (construction) activity. The Pollution Prevention Plan shall be developed in accordance with, but not limited to, Sections 106 and 107 of the VDOT Road and Bridge Specifications identified on the title sheet and shall include a narrative with appropriate plan detail and shall:
 - Identify the potential pollutant-generating activities and the pollutant that is expected to be exposed to stormwater.
 - Describe the location where the potential pollutant-generating activities will occur, or if identified on the record set of plans, reference the record set of plans.
 - Identify all non-stormwater discharges, as described in note two of this section, that are or will be commingled with stormwater discharges from the construction activity, including any on-site support activities.
 - Identify the person(s) or contractor(s) responsible for implementing and maintaining the pollution prevention practices for each pollutant-generating activity.
 - Describe the pollution prevention practices and procedures that will be implemented to:
 - Prevent and respond to leaks, spills, and other releases, including procedures for expeditiously stopping, containing, and cleaning up spills, leaks, and other releases, and procedures for reporting leaks, spills, and other releases in accordance with Section 107 of the VDOT Road and Bridge Specifications identified on the title sheet and the requirements within the CGP.
 - Prevent the discharge of spilled and leaked fuels and chemicals from vehicle fueling and maintenance activities.
 - Prevent the discharge of soaps, solvents, detergents, and wash water from construction materials, including procedures for the clean-up of stucco, paint, form release oils, and curing compounds.
 - Minimize the discharge of pollutants from vehicle and equipment washing, wheel wash water, and other types of washing.
 - Direct concrete wash water into a leakproof container or leakproof settling basin designed so that no overflows can occur due to inadequate sizing or precipitation. Hardened concrete wastes shall be removed and disposed of in a manner consistent with the handling of other construction wastes. Liquid concrete wastes shall be removed and disposed of in a manner consistent with the handling of other construction wash waters and shall not be discharged to surface waters, disposed of through infiltration, or otherwise disposed of on the ground.
 - Minimize the discharge of pollutants from storage, handling, and disposal of construction products, materials, and wastes including building products (such as asphalt sealants, copper flashing, roofing materials, adhesives, and concrete admixtures), pesticides, herbicides, insecticides, fertilizers, landscape materials, construction and domestic wastes (such as packaging materials), scrap construction materials, masonry products, timber, pipe and electrical cuttings, plastics, styrofoam, concrete, and other trash or building materials.
 - Prevent the discharge of fuels, oils, and other petroleum products, hazardous or toxic wastes, waste concrete and sanitary wastes.
 - Address any other discharge from any potential pollutant-generating activity not listed herein.
 - Minimize the exposure of waste materials to precipitation by closing or covering waste containers during precipitation events and at the end of the business day, or implementing other similarly effective practices. Minimization of exposure is not required in case where the exposure to precipitation will not result in a discharge of pollutants.
 - Describe and implement procedures for providing pollution prevention awareness (including but not limited to prevention practices, disposal practices and appropriate disposal locations) for all applicable wastes (including any wash water), to appropriate personnel.
- ✖ Denotes information that is to be provided/completed by the RLD.
- ✖✖ Denotes information that is to be provided/completed by the contractor.

PROJECT MANAGER Chris. Crooks, P.E. (City of Danville)
SURVEYED BY, DATE H. & B. Surveying and Mapping, LLC 106/24
DESIGN BY Whitman, Requardt & Associates, LLP (540) 951-3727
SUBSURFACE UTILITY BY, DATE _____

SWPPP GENERAL INFORMATION SHEET

SECTION VI - PERMANENT BMP INFORMATION Δ

✱ Denotes information that is to be completed by the RLD.
() See note referenced by number in parentheses.

INSTALLED BMP INFORMATION (VDOT Owned/Operated)

Plan Sheet(s)	✱ Date BMP Made Functional	Type of BMP Installed (See Table A, C, or D)	Geographic Location (County or City)	Latitude/Longitude (1)		VA 6th Order HUC (7)	Receiving Water (2)	Name of Impaired Water (9)	Acres Treated Per BMP (3)			✱ BMP Maintenance ID Number (10)	BMP Maintenance and Inspection Manual (11)
				LAT	LONG				Impervious	Pervious	TOTAL		

ALTERNATIVE BMP INFORMATION

Plan Sheet(s)	Date	Type of BMP Installed (See Table B)	Geographic Location (County or City) (5)	Latitude/Longitude (1) (5)		VA 6th Order HUC (5) (7)	Receiving Water (2)	Name of Impaired Water (9)	Name of Nutrient Credit Generating Entity (6)	Nutrient Credits (lbs./TP./year) Acquired (6) (12)
				LAT	LONG					

Perpetual Nutrient Credits Acquired for Project

Δ Any changes to the proposed SWM Plan or BMPs necessitated during the construction phase of the project that affects the proposed construction details or potentially affects the information shown in the BMP Tables A and/or B shall be coordinated by the VDOT RLD with the appropriate VDOT District Hydraulics Engineer. The construction plans and the BMP Tables A and/or B are to be formally revised to reflect any authorized/ approved changes to the proposed SWM Plan and/or the proposed BMP construction details. All plan revisions shall be completed in accordance with the Road Design Manual and the Construction Division IIM-CD-2013-12.01, signed and sealed in accordance with Department's sealing and signing policy IIM-LD-243 and filed with the construction record drawings maintained in the VDOT Central Office Plan File Room (ProjectWise). Prior to submitting for termination of coverage under the CGP, the RLD shall have the District Maintenance Division (Infrastructure Manager or Designee) along with the ACE, DHE, and the NPDES coordinator review the BMPs installed with the project for acceptance of maintenance responsibility and to obtain a Maintenance ID number for each BMP listed in BMP Table A. The RLD shall use the information in BMP Tables A and B along with the assigned Maintenance ID number and the date that the BMP became functional as a permanent control measure (for BMPs in Table A only) to complete the LD-445D form when certifying the construction of the BMPs and submitting for termination of coverage under the CGP.

Table A: Permanent BMP Types
(1999 Va. SWM Handbook)

Bio-retention Basin
Bio-retention Filter
Constructed Stormwater Wetlands
Extended Detention Basin
Extended Detention Basin Enhanced
Grassed Swale
Infiltration Basin
Infiltration Trench
Manufactured Treatment Device (MTD) (8)
Retention Basin I
Retention Basin II
Retention Basin III
Sand Filter
Vegetated Filter Strip
Other Approved Types (List Type)
Detention Basin

Table C: Permanent BMP Types
(BMP Clearing House)

Sheet Flow to Vegetated Filter Strip (Level Spreader)
Grass Channel
Soil Compost Amendment
Permeable Pavement (Level 1)
Permeable Pavement (Level 2)
Infiltration Practice (Level 1)
Infiltration Practice (Level 2)
Bioretention (Level 1)
Bioretention (Level 2)
Dry Swale (Level 1)
Dry Swale (Level 2)
Wet Swale (Level 1)
Wet Swale (Level 2)
Filtering Practice (Level 1)
Filtering Practice (Level 2)
Constructed Wetlands (Level 1)
Constructed Wetlands (Level 2)
Extended Detention Pond (Level 1)
Extended Detention Pond (Level 2)
Wet Pond (Level 1)
Wet Pond (Level 2)
Manufactured Treatment Device (MTD) (8)
Other Approved Types (List Type)

*Table D: Permanent Post-Construction BMP Types
(Virginia Stormwater Management Handbook, Ver. 1.0)

Constructed Wetland
Wet Pond
Extended Detention Pond
Rainwater Harvesting
Grass Channel
Dry Swale
Wet Swale
Regenerative Stormwater Conveyance
Rooftop/Impervious Surface Disconnection
Vegetated Roof
Permeable Pavement
Infiltration Practices
Bioretention
Filtering Practices
Sheet Flow to Vegetated Filter Strip/ Conserved Open Space
Soil Compost Amendment
Tree Planting
Earthen Embankment
Principal Spillway
Vegetated Emergency Spillway
Pretreatment
Quantity-Only Approach to BMPs
MTD-H Hydrodynamic Devices
MTD-F Filtering Devices
MTD-B Biofilter Devices

- NOTES:
- In decimal degrees to the nearest one ten-thousandth of a degree.
 - For streams with no names, list "(Unnamed Tributary to downstream name)".
 - Show acres treated to the nearest one hundredths acre.
 - Include agreements with off-site BMP owners.
 - Information pertains to the alternative BMP option location, where applicable.
Exception - Not required for nutrient credit purchase option.
 - Applies to the purchase of nutrient credits only.
 - Virginia 6th Order HUC (VAHU6) Example - Y030.
 - Final approved shop drawings of Manufactured Treatment Devices (MTDs) are to be included with the BMP information submitted with the LD-445D form.
 - List the name of any impaired water to which the BMP discharges. The determination of impaired water shall be based on those surface waters identified as impaired in the 2022 305(b)/303(d) Water Quality Assessment Integrated Report for Benthic Macroinvertebrates Bioassessments and shall be the first named waterbody to which the BMP discharges.
 - BMP Maintenance ID Number is to be assigned by the District Maintenance Division at permit termination or project completion. This ID number shall be assigned prior to the permit close out process and entered by the area construction engineer under this column, per IIM-LD-195.

- Provide the section of the manual that pertains to the type of BMP. The manual can be found at https://www.vdot.virginia.gov/media/vdotvirginiagov/doing-business/technical-guidance-and-support/technical-guidance-documents/maintenance/VDOT_BMP_Manual_acc.pdf in the Maintenance selections. Example: Section 4 would be noted for the maintenance and inspection manual for a Bioretention I infiltration BMP.
- Nutrient credits purchased to the nearest one hundredth pound.
- If levelspreader is utilized as part of sheet flow to vegetative filter strip, report under that BMP type Table C.
- If several levelspreaders are in close proximity, they may be combined for recording purposes; however each levelspreader shall have individual lat/longs reported.

*Designer may not mix methods from Tables A, B and C with methods from Table D.

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	6058-108-461 C501	

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

NOT TO SCALE	PROJECT 6058-108-461	SHEET NO. 2B(4)
--------------	-------------------------	--------------------

90% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER *Chris. Crooks, P.E.* (City of Danville) -----
SURVEYED BY, DATE *H. & B. Surveying and Mapping, LLC* 06/24 -----
DESIGN BY *Whitman, Requardt & Associates, LLP* (540) 951-3727 -----
SUBSURFACE UTILITY BY, DATE -----

ROADSIDE DEVELOPMENT SHEET

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	6058-108-461 C501	2C

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

CORE MIX

MIX	LBS./ACRES	DESCRIPTION
1	▲ -	* 100% CERTIFIED FINE FESCUE
2	▲ -	100% CERTIFIED TALL FESCUE
3	▲ 200	50% CERTIFIED TALL FESCUE * 50% CERTIFIED FINE FESCUE
4	▲ -	50% ORCHARDGRASS 50% CERTIFIED KENTUCKY BLUEGRASS
5	▲ -	100% BERMUDAGRASS
C 1, 2 & 3	▲ -	CUSTOM MIX
T1	▲ 100	50% CERTIFIED TALL FESCUE 50% BARLEY, WINTER RYE OR WINTER WHEAT
T2	▲ 100	50% FOXTAIL MILLET 50% CERTIFIED TALL FESCUE

ADDITIVES

TYPE	LBS./ACRES	DESCRIPTION
A	▲ -	100% LOVEGRASS
B	▲ 35	100% BARLEY, WINTER RYE OR WINTER WHEAT
C	▲ 35	100% FOXTAIL MILLET
D	▲ 35	100% ANNUAL RYEGRASS
E	▲ -	100% BLUE GRAMA
F	▲ -	100% ALFALFA
G	▲ -	100% WHITE CLOVER
H	▲ -	** 100% CROWN VETCH (LEGUME)
I	▲ -	** 100% SEPICEA LESPEDEZA (LEGUME)
J	▲ -	** 100% BIRDSFOOT TREFOIL (LEGUME)
K	▲ -	POLLINATOR SEED MIX

SEEDING SCHEDULE

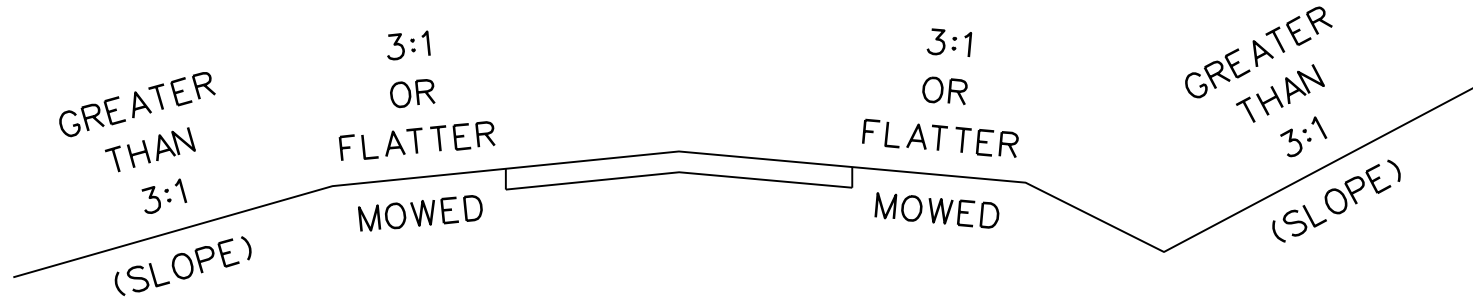
CODES LISTED IN TABLE REFER TO THE LISTS OF CORE MIXES & ADDITIVES, WHICH SHOW SEED NAMES & APPLICATION RATES FOR THIS PROJECT.	SLOPES SEED MIX WITH ADDITIVE	MOWED SEED MIX WITH ADDITIVE	SLOPES SEED MIX WITH ADDITIVE	MOWED SEED MIX WITH ADDITIVE	SLOPES SEED MIX WITH ADDITIVE	MOWED SEED MIX WITH ADDITIVE	SLOPES SEED MIX WITH ADDITIVE	MOWED SEED MIX WITH ADDITIVE
	SPRING MONTH & DATE		SUMMER MONTH & DATE		FALL MONTH & DATE		WINTER/DORMANT MONTH & DATE	
	3/16 TO 5/31		6/1 TO 9/15		9/16 TO 10/31		11/1 TO 3/15	
6058-108-461	(3)D (T2)	(3)D (T2)	(3)C (T2)	(3)C (T2)	(3)B (T2)	(3)B (T2)	(3)B (T1)	(3)B (T1)
* SPECIFIED TYPE(S) OF FINE FESCUE	ANY TYPE**	ANY TYPE**	ANY TYPE**	ANY TYPE**	ANY TYPE**	ANY TYPE**	ANY TYPE**	ANY TYPE**

ROADSIDE DEVELOPMENT NOTES

1. RECOMMENDATIONS FOR THE APPLICATION OF SEED MIXTURES (CORE MIX AND ADDITIVES), FERTILIZER, LIME, ETC. SHALL BE OBTAINED FROM THE DISTRICT ROADSIDE MANAGER.
2. ALL SEED, FERTILIZER, LIME, MULCH, ETC. MUST BE IN CONFORMANCE WITH VDOT ROAD AND BRIDGE SPECIFICATIONS AND ANY APPLICABLE INFORMATIONAL & INSTRUCTIONAL MEMORANDA.
3. APPROXIMATELY 0.30 ACRES WILL BE DISTURBED ON THIS PROJECT AND WILL REQUIRE THE ESTABLISHMENT OF GRASSES.
4. REGULAR SEED SHALL BE APPLIED AT THE RATES SHOWN IN THE CORE MIX, ADDITIVES, AND WHERE APPLICABLE, CUSTOM SEED MIX TABLES. SEEDING QUANTITIES SHOWN IN THE ROADSIDE DEVELOPMENT SUMMARY TABLE ARE BASED ON THE HIGHEST "NORMAL" SEEDING RATE FOR EACH CORE MIX (BY SEASON FOR BOTH MOWED AREAS AND NON-MOWED SLOPES), WITH A 25% INCREMENTAL ADJUSTMENT TO ACCOUNT FOR SEEDING PROGRESSION, SEEDING AFTER SIGN OR GUARDRAIL INSTALLATION, AND OTHER MINOR UNPLANNED DISTURBANCES.
5. REGULAR SEED SHALL BE FERTILIZED AT THE RATES SHOWN IN THE FERTILIZER SUMMARY TABLE. THE TOTAL FERTILIZER QUANTITIES SHOWN IN THE TABLES INCLUDES THE 25% INCREMENTAL ADJUSTMENT DESCRIBED ABOVE.
6. OVERSEEDING RATES SHALL BE 100% OF THE REGULAR SEED RATE WITHOUT THE INCREMENTAL ADJUSTMENT.
7. OVERSEEDING SHALL ONLY INCLUDE FERTILIZER ONCE, AT THE RATE SHOWN IN THE FERTILIZER SUMMARY TABLE. ADDITIONAL OVERSEEDING MAY BE DONE WITH NO FERTILIZER APPLIED, OR A SOIL TEST MAY BE PERFORMED TO DETERMINE THE SPECIFIC NUTRIENTS NECESSARY TO ESTABLISH THE GRASSES.
8. THE ENGINEER WILL REQUIRE THE CONTRACTOR TO PERFORM SUPPLEMENTAL SEEDING WHEN LESS THAN 75% UNIFORM STAND OF THE PERMANENT GRASS SPECIFIED IN THE MIXTURES IS OBTAINED. (ANNUAL SPECIES SUCH AS RYE AND MILLET ARE TEMPORARY VARIETIES AND REQUIRE SUPPLEMENTAL SEEDING.)
9. THE DATE SEED IS APPLIED SHALL BE USED TO DETERMINE WHETHER TO USE HULLED OR UNHULLED SEED FOR BERMUDAGRASS AND SERICEA LESPEDEZA.
SPRING & SUMMER (3/16 TO 9/15): USE HULLED SEED
FALL & WINTER (9/16 TO 3/15): USE UNHULLED SEED
10. EROSION CONTROL MULCH, AS DIRECTED BY THE ENGINEER, IS TO BE USED ON AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN 14 DAYS DURING THE DORMANT PERIOD (11/1 TO 3/15).
11. WHEN EROSION CONTROL MULCH IS USED, IT SHALL PROVIDE 100% COVERAGE OF ALL DENUDED AREAS.
12. HECF SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS (OR RECOMMENDATIONS).

- * FINE FESCUES INCLUDE CHEWINGS, CREEPING RED, HARD, SHEEP. SEE SEEDING SCHEDULE FOR TYPE(S) SPECIFIED FOR THIS PROJECT.
- ▲ ALL RATES TO BE SPECIFIED BY THE DISTRICT ROADSIDE MANAGER
- * * THESE ADDITIVES ARE NOT TO BE USED IN AREAS THAT WILL BE MOWED. (SLOPES 3:1 OR FLATTER)

SECTION OF SEED LOCATIONS



NOT TO SCALE

PROJECT
6058-108-461

SHEET NO.
2C

90% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER *Chris E. Crooks, P.E.* (City of Danville) -----
SURVEYED BY, DATE *H. & B. Surveying and Mapping, LLC* 06/24 -----
DESIGN BY *Whitman Requardt & Associates, LLP* (540) 951-3727 -----
SUBSURFACE UTILITY BY, DATE -----

RADIAL OFFSETS DATA SHEET

	REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
		VA.	58	6058-108-461 C501	2D
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT					
Whitman Requardt & Associates Blacksburg, Virginia ROADWAY ENGINEER					

RADIAL OFFSETS DATA									
<div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div>BASELINE</div><div>STATION OFFSET</div><div>CURVE LENGTH</div><div>CHORD LENGTH</div><div>RADIUS REF. NO.</div><div>STATION OFFSET</div><div>CONNECTION</div></div></div><div>NOTE: CURVE LENGTH MEASURED ALONG FACE OF CURB</div></div></div>									
LOCATION (REF. NO.)	BASELINE		BASELINE		CONNECTION		RADIUS LENGTH	CHORD LENGTH	CURVE LENGTH
SHEET-ITEM	STATION	OFFSET	STATION	OFFSET	STATION	OFFSET	FEET	FEET	FEET
3-1	1418+98.63	47.17'	-	-	100+61.50	21.59'	55.00	17.28	17.35
3-2	1419+61.89	42.69'	-	-	100+62.26	25.05'	50.00	20.77	20.93
3-3	1419+91.71	26.00'	-	-	100+42.69	32.00'	35.00	34.18	35.71
3-4	1419+92.21	26.00'	1420+12.07	43.61'	-	-	20.00	26.54	29.03
3-5	1420+51.05	36.48'	1420+61.03	26.00'	-	-	10.00	14.48	16.19
3-6	1420+66.35	26.00'	1420+76.34	36.10'	-	-	10.00	14.22	15.81
3-7	1421+26.39	50.00'	1421+32.70	33.85'	-	-	70.00	17.34	17.38
3-8	1421+32.70	33.85'	1421+45.88	26.00'	-	-	15.00	15.35	16.11
3-9	1423+21.46	26.00'	1423+36.46	41.00'	-	-	15.00	21.21	23.56
3-10	1423+67.99	41.00'	1423+82.99	26.00'	-	-	15.00	21.21	23.56
4-1	1424+88.22	26.00'	1425+12.22	44.03'	-	-	25.00	30.03	32.21
4-2	1425+54.93	37.82'	1425+53.39	34.38'	-	-	2.00	3.69	4.71
4-3	1425+53.39	34.38'	1425+74.39	26.00'	-	-	30.00	22.42	22.98
4-4	1426+19.40	26.00'	-	-	200+66.35	22.70'	85.00	86.36	90.59
4-5	1427+48.34	31.84'	-	-	200+85.81	20.25'	35.00	39.21	41.62
4-6	1427+62.55	26.00'	-	-	200+53.64	42.65'	20.00	15.28	15.68
4-7	1427+63.04	26.00'	1427+88.01	49.67'	-	-	25.00	34.40	37.94

NOT TO SCALE

PROJECT
6058-108-461

SHEET NO.
2D

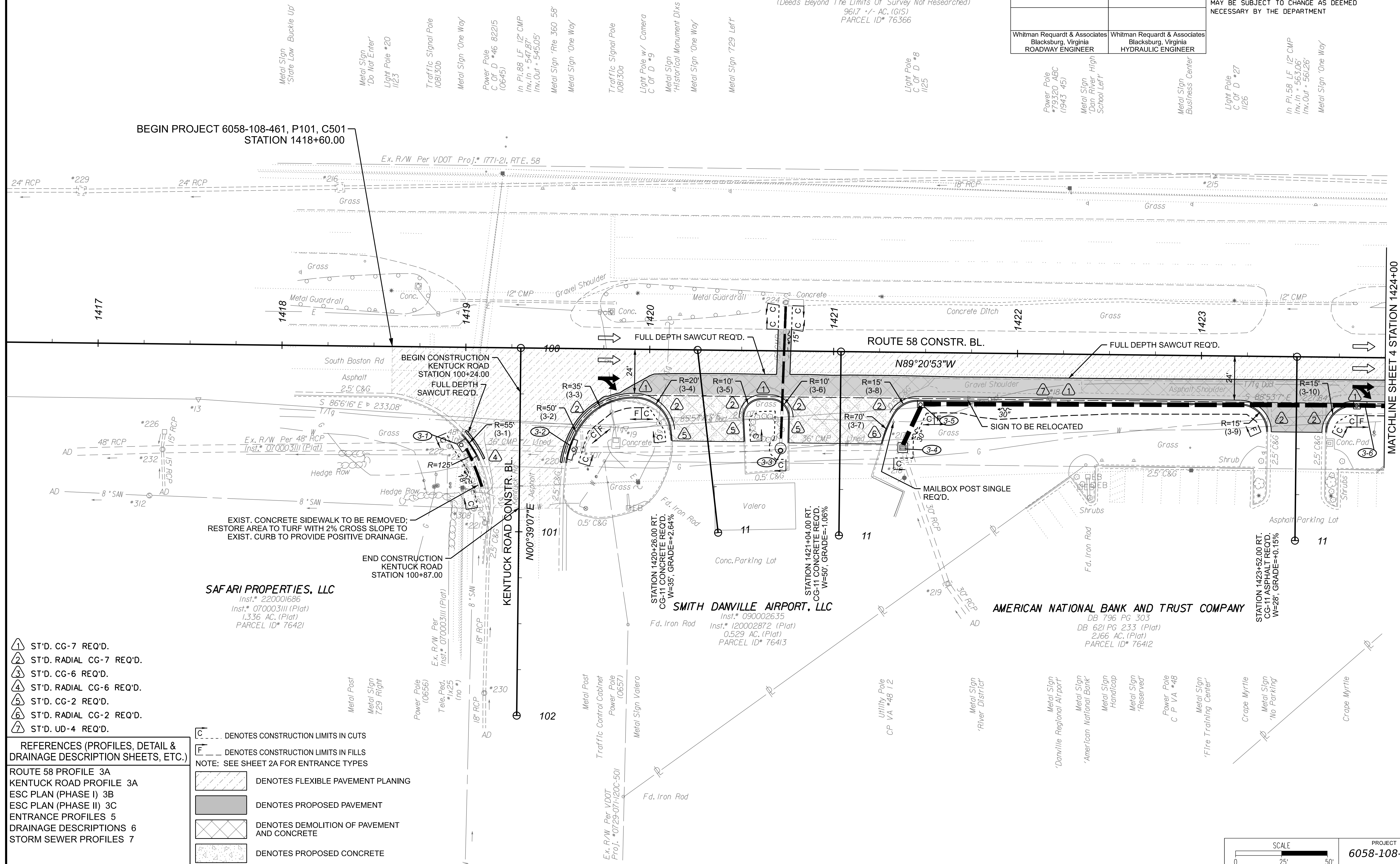
90% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

CITY OF DANVILLE, VIRGINIA
DB 277 PG 175 (R/W Take)
DB 250 PG 415
(Deeds Beyond The Limits Of Survey Not Researched)
961.7 +/- AC. (GIS)
PARCEL ID# 76366

		REVISED	STATE	STATE		SHEET NO.
				ROUTE	PROJECT	
			VA.	58	6058-108-461 P101, C501	3
		DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Whitman Reardon & Associates Blacksburg, Virginia ROADWAY ENGINEER	Whitman Reardon & Associates Blacksburg, Virginia HYDRAULIC ENGINEER					

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT



90% PLANS

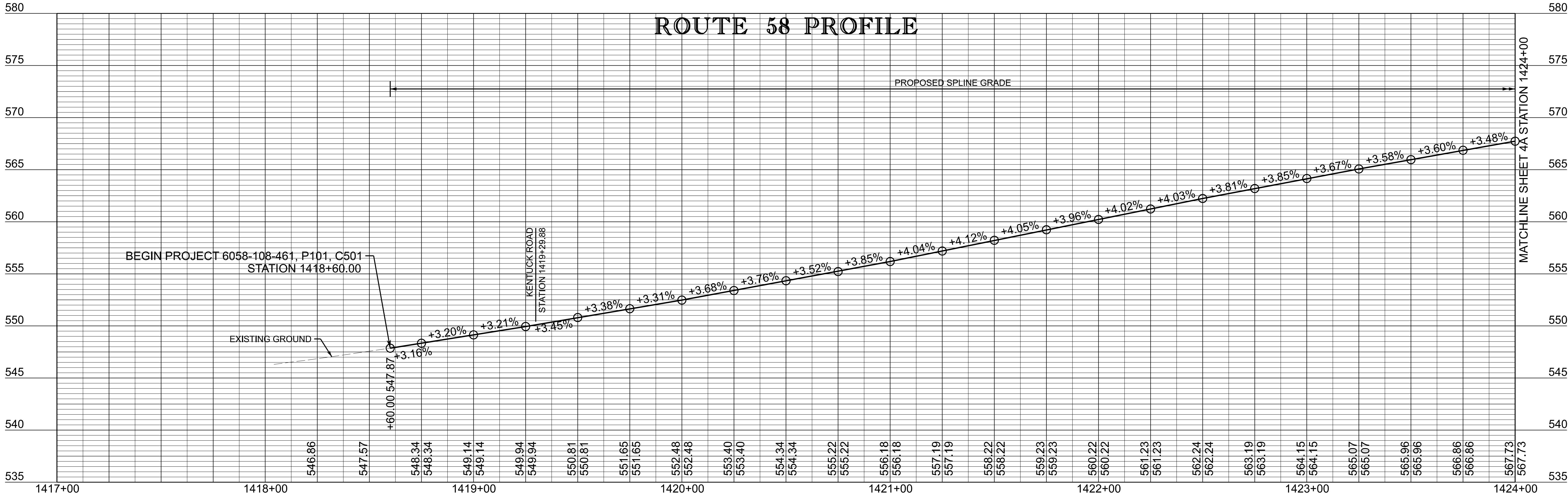
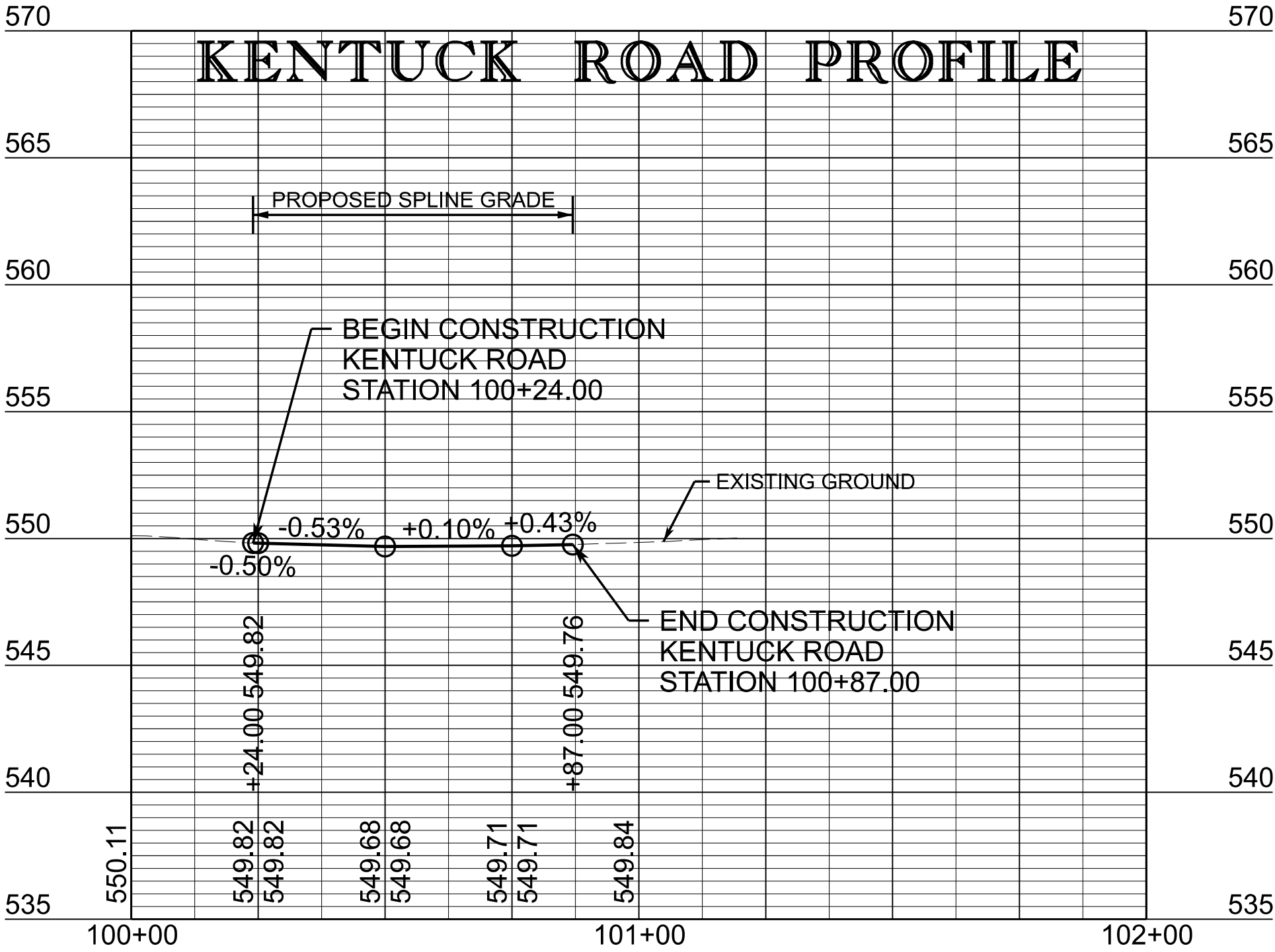
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER *Chris Eranks, P.E.* City of Danville
SURVEYED BY, DATE *H. & B. Surveying and Mapping, LLC - 06/24*
DESIGN BY *Whitman Requardt & Associates, LLC - 05/13/27*
SUBSURFACE UTILITY BY, DATE

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	6058-108-461 P101, C501	

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

Whitman Requardt & Associates
Blacksburg, Virginia
ROADWAY ENGINEER



SCALE HORIZ. 1"=25'
SCALE VERT. 1"=5'

PROJECT
6058-108-461

SHEET NO.
3A

90% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED
FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

	REVISED	STATE		STATE		SHEET NO.
		STATE	ROUTE	PROJECT		
		VA.	58	6058-108-461 C501		
	DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT					3B
Whitman Requardt & Associates Blacksburg, Virginia HYDRAULIC ENGINEER						



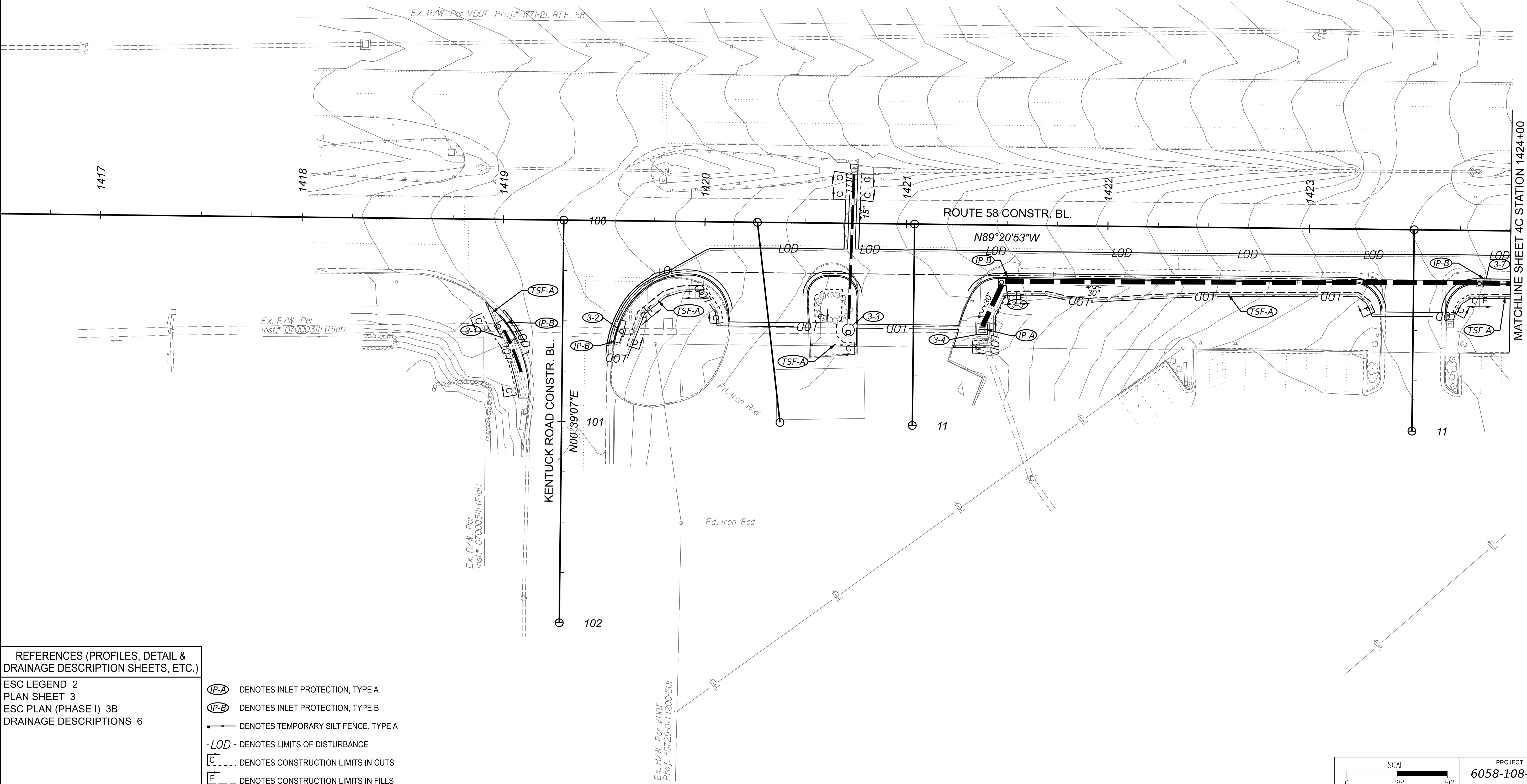
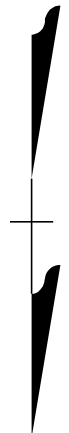
PROJECT MANAGER *Chris. Crooks, P.E.* (City of Danville)
SURVEYED BY, DATE *H. & B. Surveying and Mapping, LLC* 06/24
DESIGN BY *Whitman Requardt & Associates, LLP* (540) 951-3727
SUBSURFACE UTILITY BY, DATE

EROSION & SEDIMENT CONTROL SHEET PHASE II

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	6058-108-461 C501	3C

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

Whitman Requardt & Associates
Blacksburg, Virginia
HYDRAULIC ENGINEER



REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

ESC LEGEND 2
PLAN SHEET 3
ESC PLAN (PHASE I) 3B
DRAINAGE DESCRIPTIONS 6

- (IP-A) DENOTES INLET PROTECTION, TYPE A
- (IP-B) DENOTES INLET PROTECTION, TYPE B
- DENOTES TEMPORARY SILT FENCE, TYPE A
- LOD · DENOTES LIMITS OF DISTURBANCE
- C ····· DENOTES CONSTRUCTION LIMITS IN CUTS
- E ····· DENOTES CONSTRUCTION LIMITS IN FILLS



PROJECT
6058-108-461

SHEET NO.
3C

90% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED
FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER *Chris. Crooks, P.E.* (City of Danville)
SURVEYED BY, DATE *H. & B. Surveying and Mapping, LLC* 06/24
DESIGN BY *Whitman Requardt & Associates, LLP* (540) 951-3727
SUBSURFACE UTILITY BY, DATE

CITY OF DANVILLE, VIRGINIA
DB 277 PG 175 (R/W Take)
DB 250 PG 415
(Deeds Beyond The Limits Of Survey Not Researched)
961.7 +/- AC. (GIS)
PARCEL ID# 76366

VIRGINIA BANK AND TRUST COMPANY
Inst.* 980000365
Inst.* 980000365 (Plat)
1.058 AC. (Plat)
PARCEL ID# 76411

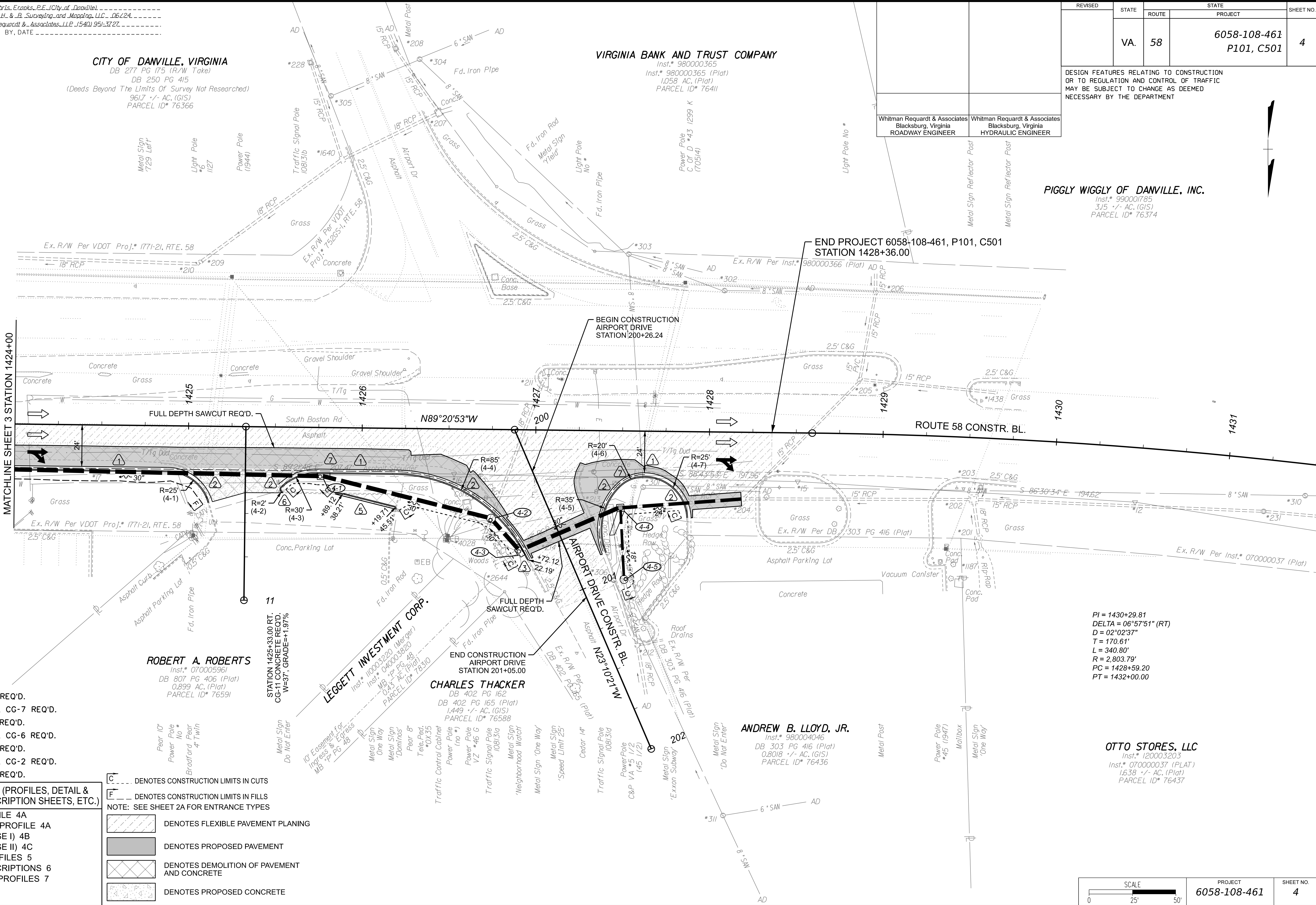
Whitman Requardt & Associates
Blacksburg, Virginia
ROADWAY ENGINEER

Whitman Requardt & Associates
Blacksburg, Virginia
HYDRAULIC ENGINEER

PIGGLY WIGGLY OF DANVILLE, INC.
Inst.* 990001785
3.15 +/- AC. (GIS)
PARCEL ID# 76374

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	6058-108-461 P101, C501	4

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT



- 1 ST'D. CG-7 REQ'D.
- 2 ST'D. RADIAL CG-7 REQ'D.
- 3 ST'D. CG-6 REQ'D.
- 4 ST'D. RADIAL CG-6 REQ'D.
- 5 ST'D. CG-2 REQ'D.
- 6 ST'D. RADIAL CG-2 REQ'D.
- 7 ST'D. UD-4 REQ'D.

REFERENCES (PROFILES, DETAIL &
DRAINAGE DESCRIPTION SHEETS, ETC.)

ROUTE 58 PROFILE 4A
AIRPORT DRIVE PROFILE 4A
ESC PLAN (PHASE I) 4B
ESC PLAN (PHASE II) 4C
ENTRANCE PROFILES 5
DRAINAGE DESCRIPTIONS 6
STORM SEWER PROFILES 7

--- DENOTES CONSTRUCTION LIMITS IN CUTS
--- DENOTES CONSTRUCTION LIMITS IN FILLS
NOTE: SEE SHEET 2A FOR ENTRANCE TYPES

- DENOTES FLEXIBLE PAVEMENT PLANING
- DENOTES PROPOSED PAVEMENT
- DENOTES DEMOLITION OF PAVEMENT
AND CONCRETE
- DENOTES PROPOSED CONCRETE

PI = 1430+29.81
DELTA = 06°57'51" (RT)
D = 02°02'37"
T = 170.61'
L = 340.80'
R = 2,803.79'
PC = 1428+59.20
PT = 1432+00.00

OTTO STORES, LLC
Inst.* 120003203
Inst.* 070000037 (PLAT)
1.638 +/- AC. (Plat)
PARCEL ID# 76437

SCALE	PROJECT	SHEET NO.
0 25' 50'	6058-108-461	4

90% PLANS

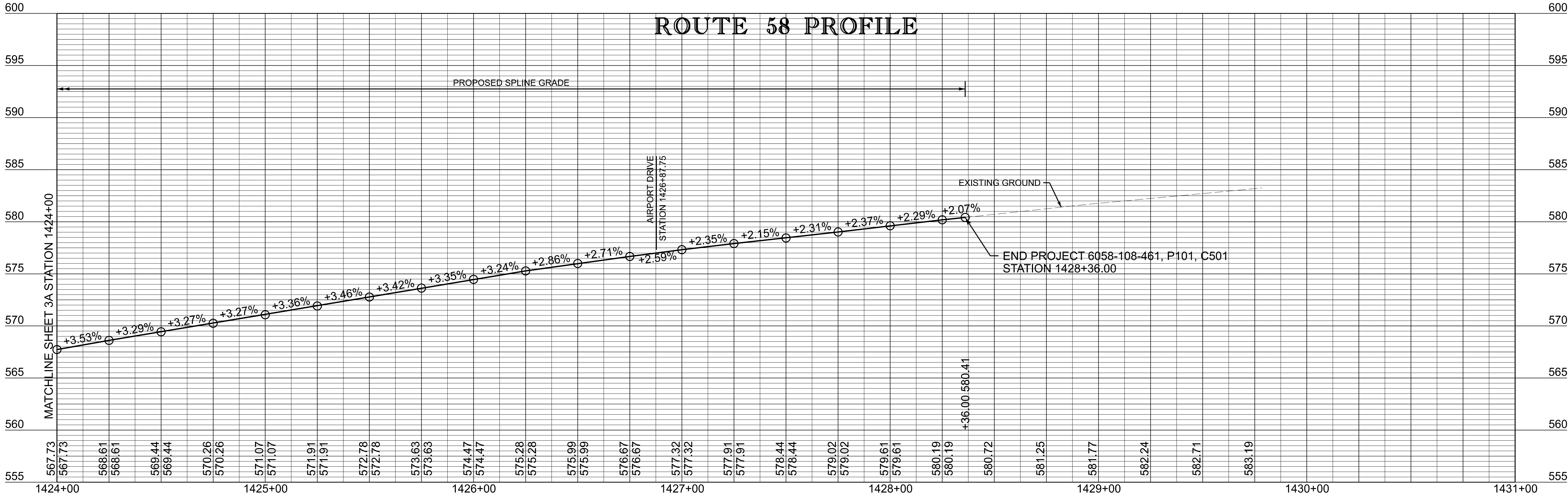
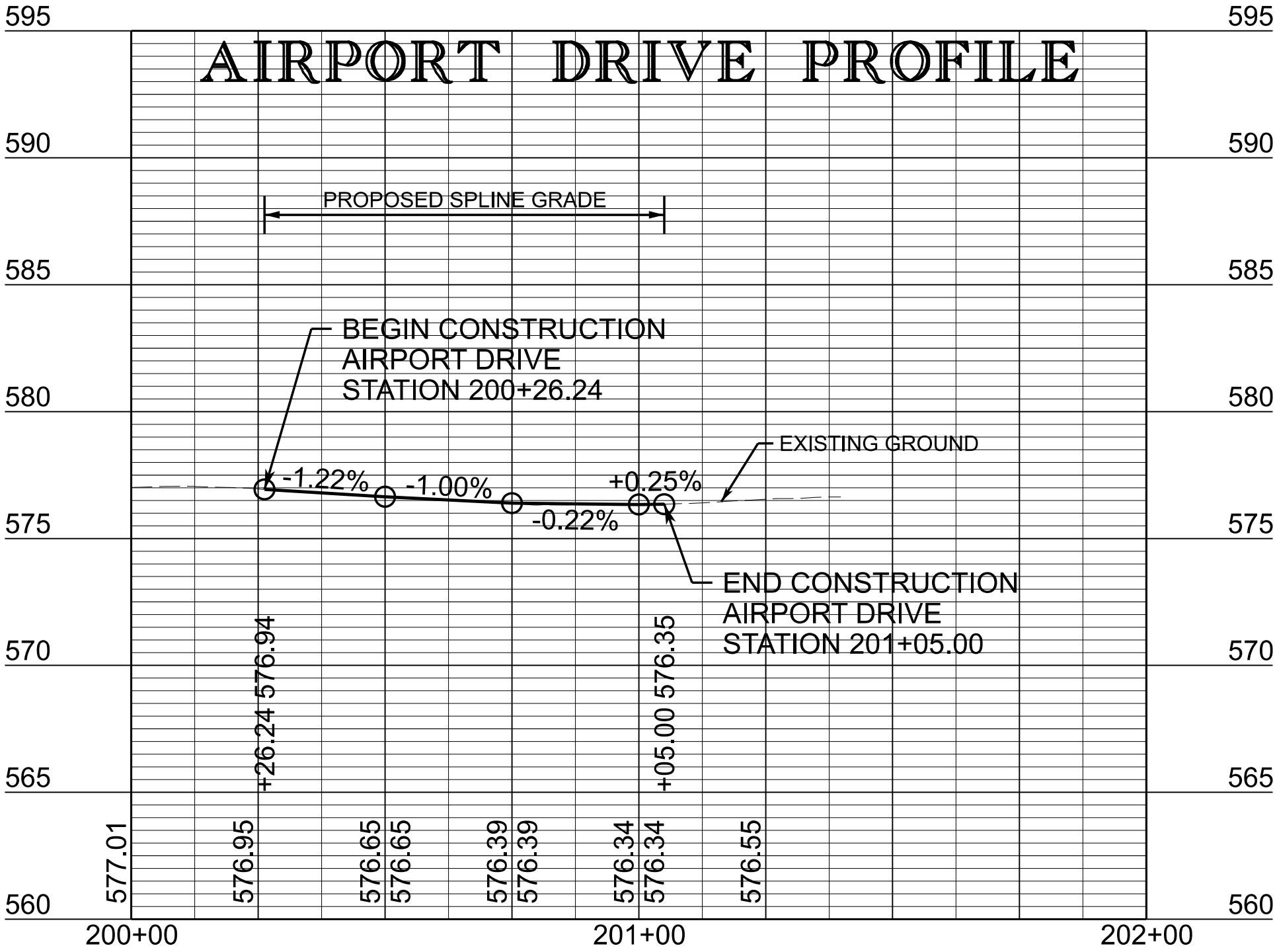
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED
FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER Chris Eranks, P.E. City of Danville
SURVEYED BY, DATE H. & B. Surveying and Mapping, LLC 06/24
DESIGN BY Whitman Requardt & Associates, LLC 154019513727
SUBSURFACE UTILITY BY, DATE

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	6058-108-461 P101, C501	

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

Whitman Requardt & Associates
Blacksburg, Virginia
ROADWAY ENGINEER



SCALE HORIZ. 1"=25'
SCALE VERT. 1"=5'

PROJECT
6058-108-461

SHEET NO.
4A

90% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED
FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER *Chris. Crooks, P.E.* (City of Danville)
SURVEYED BY, DATE *H. & B. Surveying and Mapping, LLC* 06/24
DESIGN BY *Whitman Requardt & Associates, LLP* (540) 951-3727
SUBSURFACE UTILITY BY, DATE

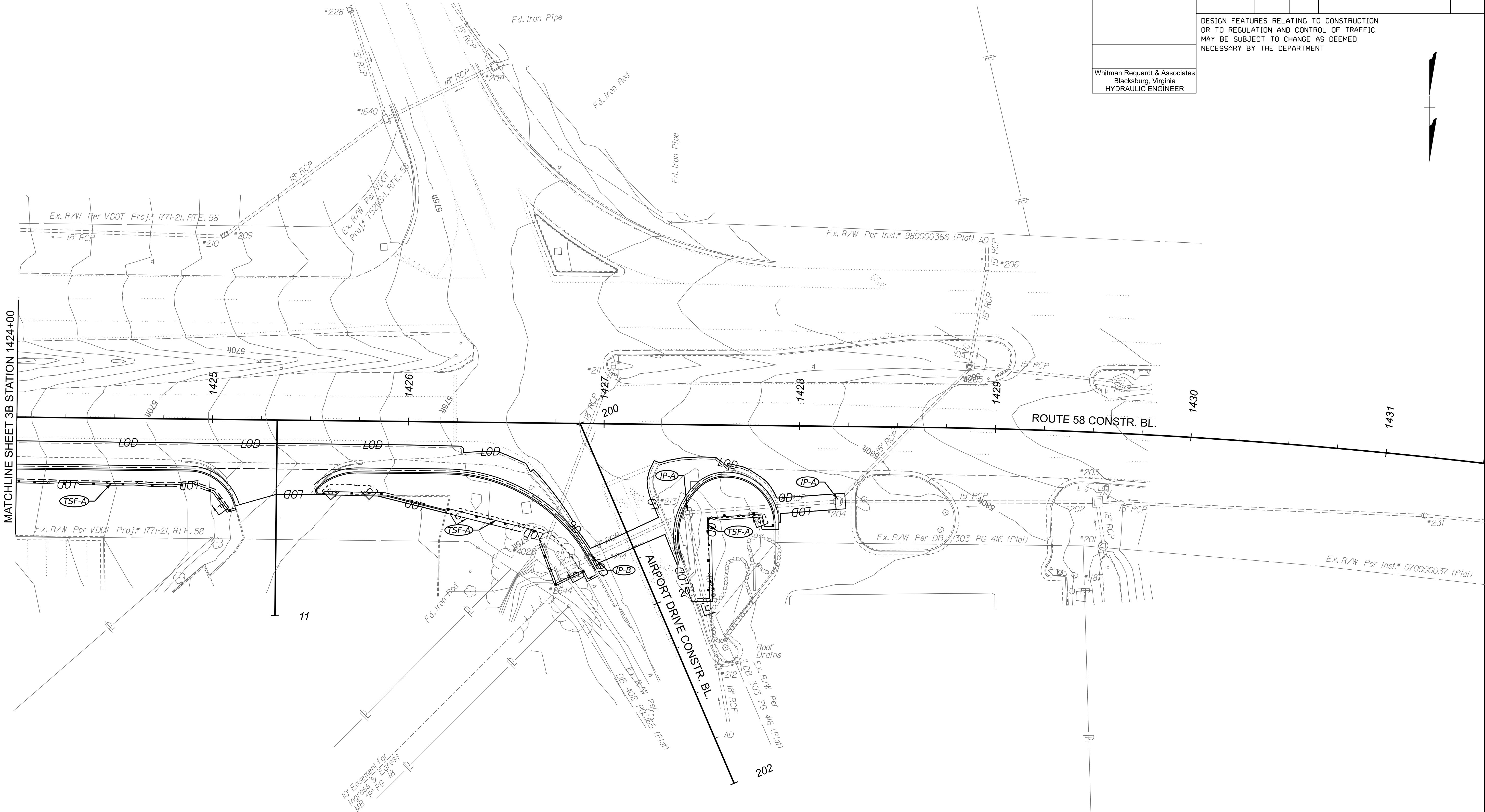
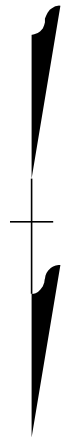
EROSION & SEDIMENT CONTROL SHEET

PHASE I

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	6058-108-461 C501	4B

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Whitman Requardt & Associates
Blacksburg, Virginia
HYDRAULIC ENGINEER



REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

ESC LEGEND 2
PLAN SHEET 4
ESC PLAN (PHASE II) 4C
DRAINAGE DESCRIPTIONS 6

- (IP-A) DENOTES INLET PROTECTION, TYPE A
- (IP-B) DENOTES INLET PROTECTION, TYPE B
- DENOTES TEMPORARY SILT FENCE, TYPE A
- LOD · DENOTES LIMIT OF DISTURBANCE
- C — DENOTES CONSTRUCTION LIMITS IN CUTS
- F — DENOTES CONSTRUCTION LIMITS IN FILLS



PROJECT
6058-108-461

SHEET NO.
4B

90% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER *Chris. Crooks, P.E.* (City of Danville)
SURVEYED BY, DATE *H. & B. Surveying and Mapping, LLC* 06/24
DESIGN BY *Whitman Requardt & Associates, LLP* (540) 951-3727
SUBSURFACE UTILITY BY, DATE

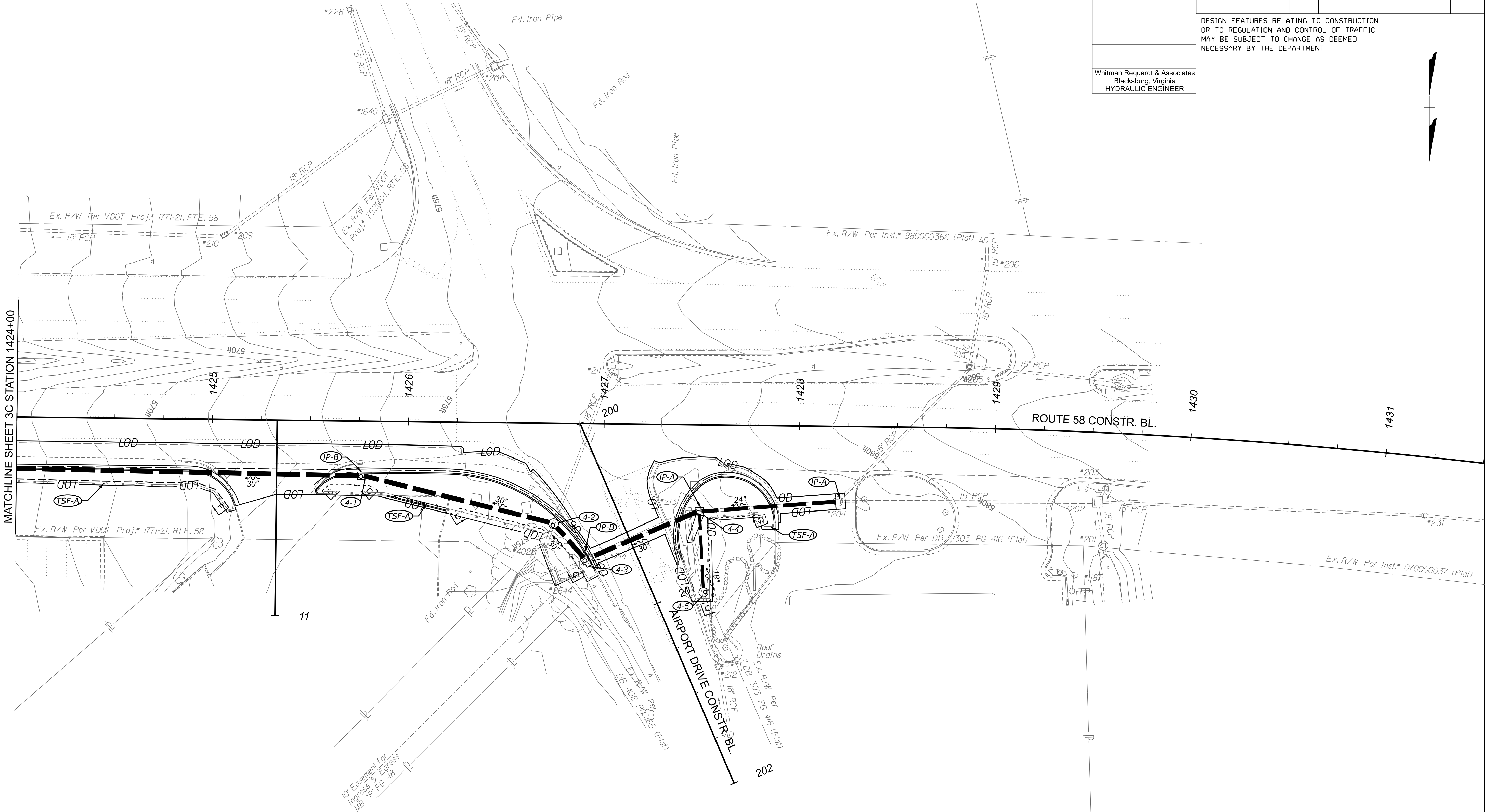
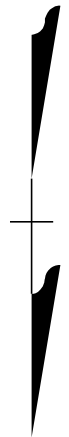
EROSION & SEDIMENT CONTROL SHEET

PHASE II

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	6058-108-461 C501	4C

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Whitman Requardt & Associates
Blacksburg, Virginia
HYDRAULIC ENGINEER



REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

ESC LEGEND 2
PLAN SHEET 4
ESC PLAN (PHASE I) 4B
DRAINAGE DESCRIPTIONS 6

- (IP-A) DENOTES INLET PROTECTION, TYPE A
- (IP-B) DENOTES INLET PROTECTION, TYPE B
- DENOTES TEMPORARY SILT FENCE, TYPE A
- LOD · DENOTES LIMIT OF DISTURBANCE
- C — DENOTES CONSTRUCTION LIMITS IN CUTS
- E — DENOTES CONSTRUCTION LIMITS IN FILLS



PROJECT	SHEET NO.
6058-108-461	4C

90% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

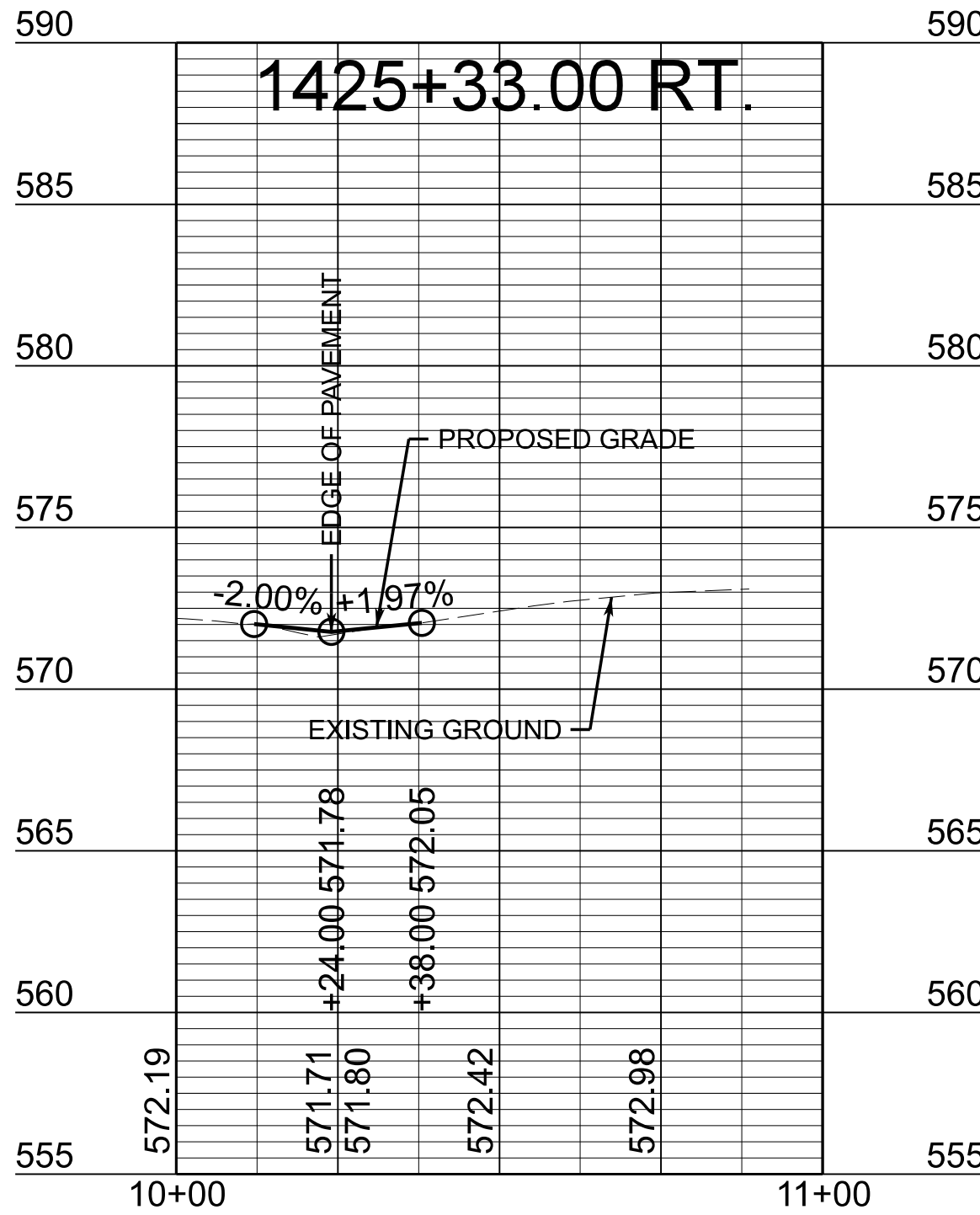
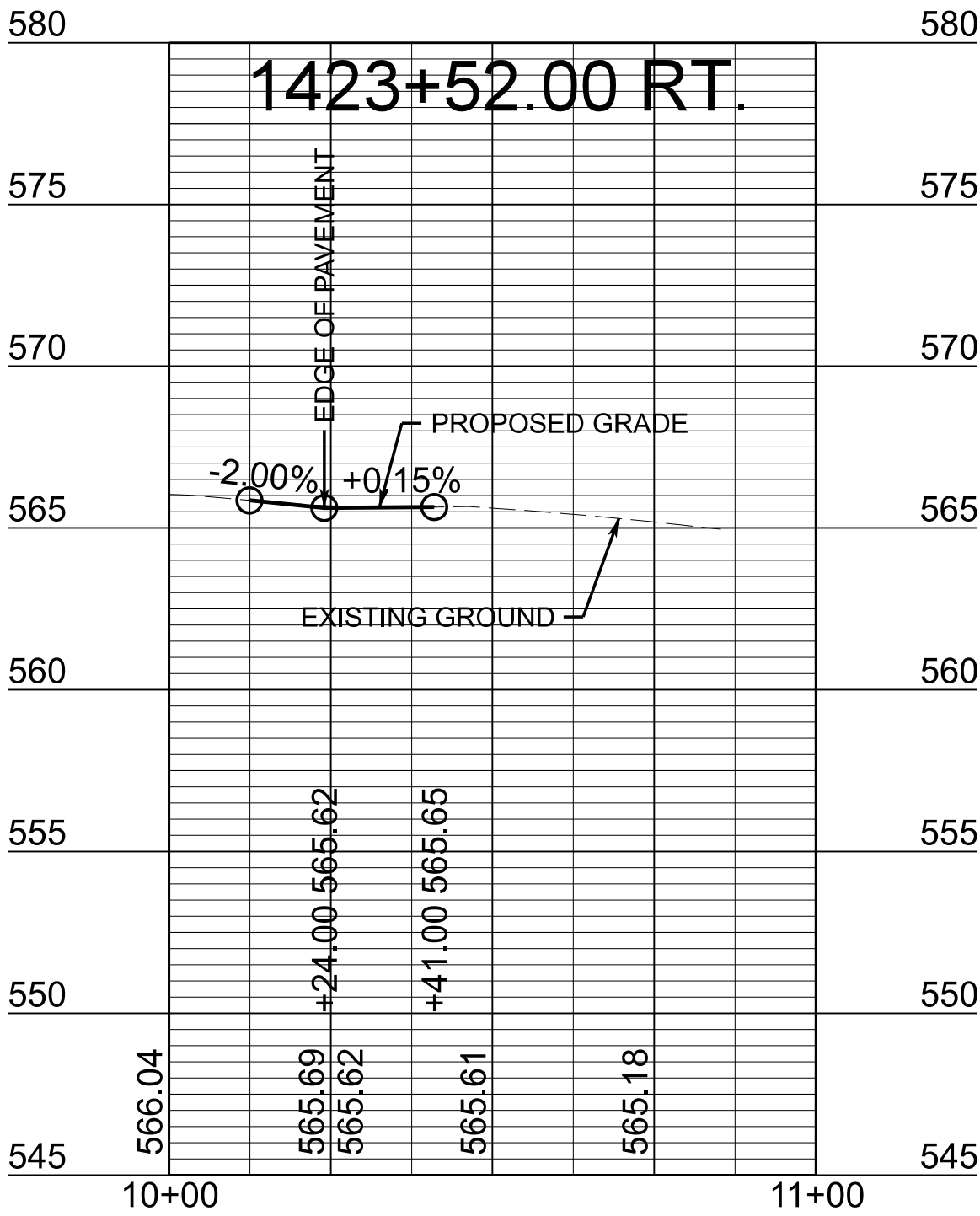
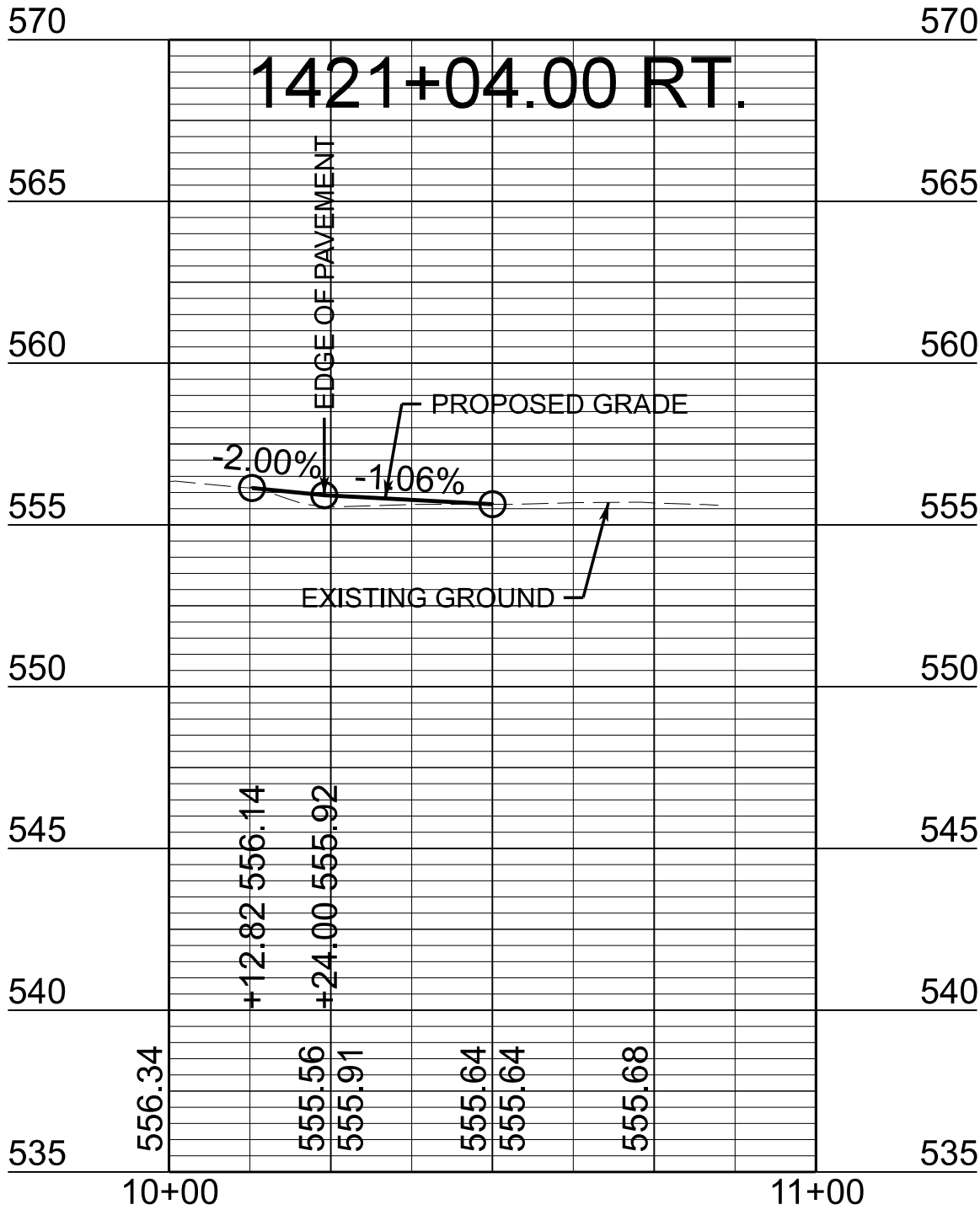
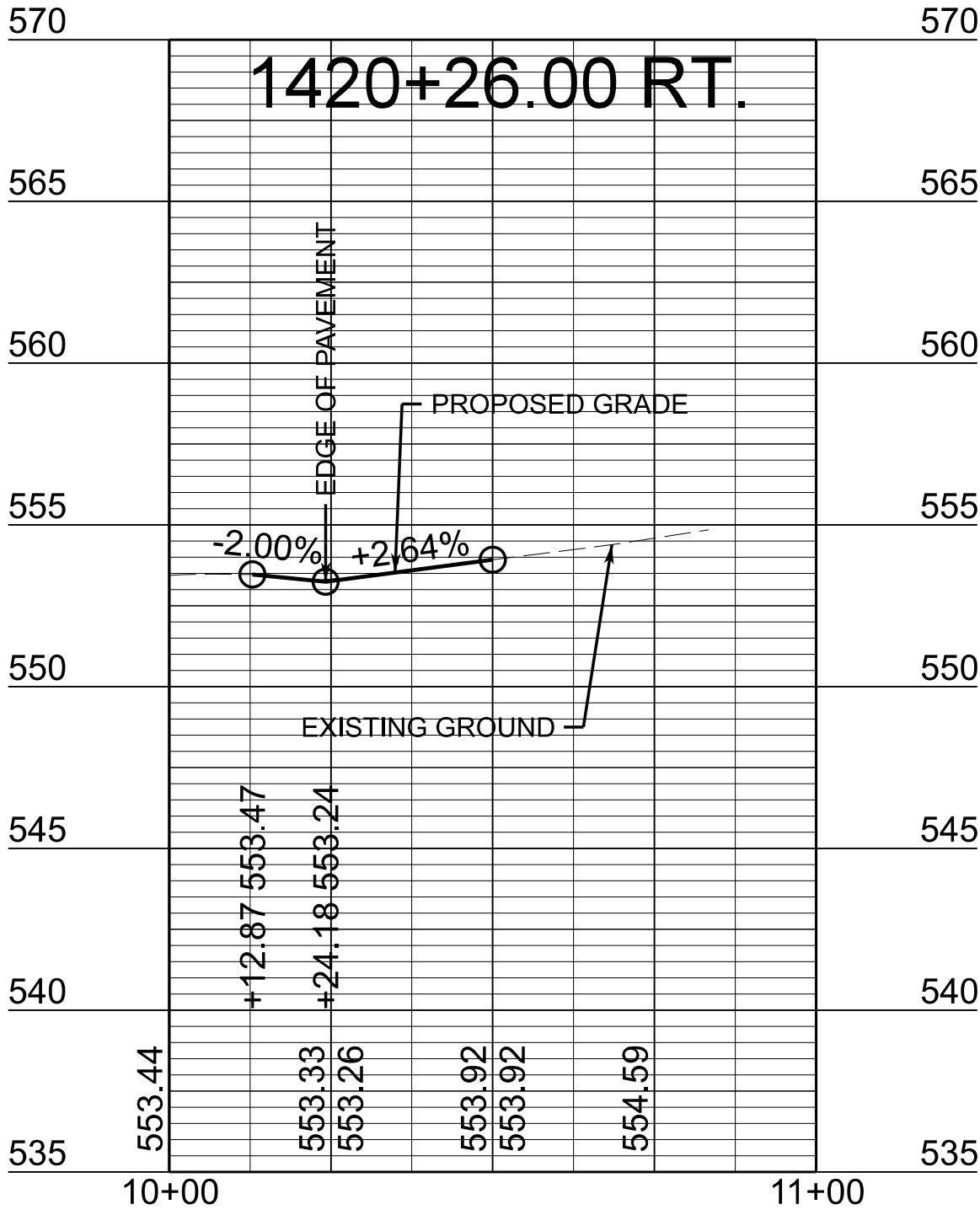
PROJECT MANAGER *Chris Eranks, P.E.* City of Danville
SURVEYED BY, DATE *H. & B. Surveying and Mapping, LLC - 06/24*
DESIGN BY *Whitman Requardt & Associates, LLC - 05/31/27*
SUBSURFACE UTILITY BY, DATE

ENTRANCE PROFILE SHEET

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	6058-108-461 C501	

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

Whitman Requardt & Associates
Blacksburg, Virginia
ROADWAY ENGINEER



SCALE HORIZ. 1"=25'
SCALE VERT. 1"=5'

PROJECT
6058-108-461

SHEET NO.
5

90% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED
FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER *Chris E. Crooks, P.E.* (City of Danville) -----
SURVEYED BY, DATE *H. & B. Surveying and Mapping, LLC* 06/24 -----
DESIGN BY *Whitman Requardt & Associates, LLP* (540) 951-3727 -----
SUBSURFACE UTILITY BY, DATE -----

DRAINAGE DESCRIPTION SHEET

REVISED	STATE		STATE PROJECT		SHEET NO.
	STATE	ROUTE			
	VA.	58	6058-108-461 C501		6
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT					
Whitman Requardt & Associates Blacksburg, Virginia HYDRAULIC ENGINEER					

DRAINAGE DESCRIPTIONS			
		3-7	1 STD DI-3B, L = 6' REQ'D H = 7.4' INV. = 559.50' STD IS-1 REQ'D; STD ST-1 REQ'D
STRUCTURE NUMBER	STRUCTURE / PIPE DESCRIPTIONS	3-7 TO 3-6	235 L.F. 30" STORM SEWER PIPE REQ'D (3' COVER) INV. (IN) = 559.50' INV. (OUT) = 552.25' SILT-TIGHT JOINT TYPE BEDDING IN ACCORDANCE WITH ST. PB-1 NORMAL EARTH COND.
#204	EXISTING GRATE INLET H = 3.8' INV. = 574.70	3-6	1 STD DI-3B, L = 6' REQ'D H = 5.5' INV. = 552.00' STD IS-1 REQ'D; STD ST-1 REQ'D
#204 TO 4-4	68 L.F. 24" STORM SEWER PIPE REQ'D (2' COVER) INV. (IN) = 574.70' INV. (OUT) = 572.25' SILT-TIGHT JOINT TYPE BEDDING IN ACCORDANCE WITH ST. PB-1 NORMAL EARTH COND.	3-6 TO 3-5	19 L.F. 30" STORM SEWER PIPE REQ'D (2' COVER) INV. (IN) = 552.00' INV. (OUT) = 551.75' SILT-TIGHT JOINT TYPE BEDDING IN ACCORDANCE WITH ST. PB-1 NORMAL EARTH COND.
#212	EXISTING GRATE INLET H = 3.7' INV. = 572.56' #212 TO #213 TO BE REMOVED (18" RCP)	#217	EXISTING GRATE INLET H = 6.6' INV. = 548.84' #217 TO #307 TO BE REMOVED (48" CMP) EXISTING MH #307 TO BE REMOVED #307 TO #220 TO BE FILLED WITH FLOWABLE BACKFILL (48" CMP)
#212 TO 4-5	EXISTING 38 L.F. 18" RCP (2' COVER) INV. (IN) = 572.56' INV. (OUT) = 572.16' CONNECTS TO 4-5. EXISTING 18" RCP FROM 4-5 TO #213 TO BE REMOVED	#217 TO 3-5	24 L.F. 30" STORM SEWER PIPE REQ'D (4' COVER) INV. (IN) = 548.84' INV. (OUT) = 548.50' SILT-TIGHT JOINT TYPE BEDDING IN ACCORDANCE WITH ST. PB-1 NORMAL EARTH COND.
4-5	1 STD MH-1 OR MH-2 REQ'D 1 STD MH-1 FRAME AND COVER REQ'D H = 4.8' INV. = 572.00' STD IS-1 REQ'D; STD ST-1 REQ'D	3-5	1 72" DIA. MH REQ'D 1 MOD. MH FRAME AND COVER REQ'D H = 8.0' INV. = 548.25' STD IS-1 REQ'D; STD ST-1 REQ'D
4-5 TO 4-4	38 L.F. 18" STORM SEWER PIPE REQ'D (3' COVER) INV. (IN) = 572.00' INV. (OUT) = 571.25' SILT-TIGHT JOINT TYPE BEDDING IN ACCORDANCE WITH ST. PB-1 NORMAL EARTH COND.	3-5 TO 3-4	49 L.F. 36" STORM SEWER PIPE REQ'D (4' COVER) INV. (IN) = 548.25' INV. (OUT) = 547.50' SILT-TIGHT JOINT TYPE BEDDING IN ACCORDANCE WITH ST. PB-1 NORMAL EARTH COND.
4-4	1 STD DI-1 REQ'D H = 4.8' INV. = 571.00' STD IS-1 REQ'D; STD ST-1 REQ'D	#224	EXISTING GRATE INLET H = 2.4' INV. = 550.47'
4-4 TO 4-3	61 L.F. 30" STORM SEWER PIPE REQ'D (2' COVER) INV. (IN) = 571.00' INV. (OUT) = 569.25' SILT-TIGHT JOINT TYPE BEDDING IN ACCORDANCE WITH ST. PB-1 NORMAL EARTH COND.	#224 TO 3-4	EXISTING 52 L.F. 15" RCP (1' COVER) INV. (IN) = 550.47' INV. (OUT) = 547.62' CONNECTS TO 3-4. EXISTING 15" RCP FROM 3-4 TO EXISTING 48" CMP BLIND CONNECTION TO BE REMOVED.
4-3	1 STD DI-3C, L = 6' REQ'D H = 6.2' INV. = 568.75' STD IS-1 REQ'D; STD ST-1 REQ'D EXISTING INLET #214 TO BE REMOVED. #214 TO #2264 TO BE REMOVED (24" RCP).	3-4	1 STD DI-4A REQ'D H = 7.9' INV. = 547.25' STD IS-1 REQ'D; STD ST-1 REQ'D
4-3 TO 4-2	21 L.F. 30" STORM SEWER PIPE REQ'D (4' COVER) INV. (IN) = 569.00' INV. (OUT) = 568.50' SILT-TIGHT JOINT TYPE BEDDING IN ACCORDANCE WITH ST. PB-1 NORMAL EARTH COND.	3-4 TO 3-3	49 L.F. 36" STORM SEWER PIPE REQ'D (4' COVER) INV. (IN) = 547.25' INV. (OUT) = 545.25' SILT-TIGHT JOINT TYPE BEDDING IN ACCORDANCE WITH ST. PB-1 NORMAL EARTH COND.
#211	EXISTING GRATE INLET H = 3.4' INV. = 572.68	3-3	1 STD DI-4B, L = 6' REQ'D H = 6.9' INV. = 545.00' STD IS-1 REQ'D; STD ST-1 REQ'D
#211 TO 4-2	EXISTING 82 L.F. 18" RCP (3' COVER) INV. (IN) = 572.68' INV. (OUT) = 571.47' CONNECTS TO 4-2. EXISTING 18" RCP FROM 4-2 TO #4028 TO BE REMOVED. EXISTING ENDWALL #4028 TO BE REMOVED.	3-3 TO 3-2	41 L.F. 36" STORM SEWER PIPE REQ'D (3' COVER) INV. (IN) = 545.00' INV. (OUT) = 544.00' SILT-TIGHT JOINT TYPE BEDDING IN ACCORDANCE WITH ST. PB-1 NORMAL EARTH COND.
4-2	1 STD MH-1 OR MH-2 REQ'D 1 STD MH-1 FRAME AND COVER REQ'D H = 7.3' INV. = 568.25' STD IS-1 REQ'D; STD ST-1 REQ'D	3-2	1 STD DI-4C, L = 8' REQ'D H = 6.6' INV. = 543.77' (PER KENTUCK RD - SOUTH BOSTON ROAD IMPROVEMENT PLANS DATED 01/04/1991) STD IS-1 REQ'D; STD ST-1 REQ'D. EXISTING DROP INLET #220 TO BE REMOVED. EXISTING INFLOWING 48" CMP TO BE FILLED WITH FLOWABLE BACKFILL (FROM #307). EXISTING OUTFLOWING 48" RCP TO BE CONNECTED (3-2 TO 3-1).
4-2 TO 4-1	98 L.F. 30" STORM SEWER PIPE REQ'D (4' COVER) INV. (IN) = 568.25' INV. (OUT) = 565.00' SILT-TIGHT JOINT TYPE BEDDING IN ACCORDANCE WITH ST. PB-1 NORMAL EARTH COND.	3-1	1 STD DI-4B, L = 10' REQ'D H = 5.3' INV. = 543.60' (& PER KENTUCK ROAD - SOUTH BOSTON ROAD IMPROVEMENT PLANS DATED 01/04/1991, AND STORMWATER IMPROVEMENT AT SOUTH BOSTON ROAD AND KENTUCK ROAD PLANS DATED 12/06/2004) STD IS-1 REQ'D; STD ST-1 REQ'D. EXISTING DROP INLET #223 TO BE REMOVED. EXISTING INFLOWING 18" RCP TO BE CONNECTED (#221 TO 3-1). EXISTING INFLOWING 48" RCP TO BE CONNECTED (3-2 TO 3-1). EXISTING OUTFLOWING 48" RCP TO BE CONNECTED (3-1 TO #222).
4-1	1 STD DI-3B, L = 6' REQ'D H = 7.9' INV. = 565.75' STD IS-1 REQ'D; STD ST-1 REQ'D		
4-1 TO 3-7	189 L.F. 30" STORM SEWER PIPE REQ'D (5' COVER) INV. (IN) = 565.75' INV. (OUT) = 559.75' SILT-TIGHT JOINT TYPE BEDDING IN ACCORDANCE WITH ST. PB-1 NORMAL EARTH COND.		

ALLOWABLE TYPE OF STORM SEWER PIPE (UNLESS OTHERWISE SHOWN IN DRAINAGE DEcriptions, SEE ROAD AND BRIDGE STANDARD PC-1 FOR HEIGHT OF COVER LIMITATIONS FOR EACH TYPE)								
LOCATION	CONCRETE	ALUMINUM COATED TYPE 2 STEEL SPIRAL RIB	POLYMER COATED (10/10) CORRUGATED STEEL SPIRAL RIB	POLYMER COATED (10/10) CORRUGATED STEEL DOUBLE WALL (SMOOTH INTERIOR)	ALUMINUM SPIRAL RIB	POLYVINYLCHLORIDE (PVC) RIBBED PIPE (SMOOTH INTERIOR)	POLYETHYLENE (PE) CORRUGATED TYPE S	POLYETHYLENE (PP) TYPE D OR S (SMOOTH INTERIOR)
#204 TO 4-4	X			X		X	X	X
4-5 TO 4-4	X			X		X	X	X
4-4 TO 4-3	X			X		X	X	X
4-3 TO 4-2	X			X		X	X	X
4-2 TO 4-1	X			X		X	X	X
4-1 TO 3-7	X			X		X	X	X
3-7 TO 3-6	X			X		X	X	X
3-6 TO 3-5	X			X		X	X	X
#217 TO 3-5	X			X		X	X	X
3-5 TO 3-4	X			X		X	X	X
3-4 TO 3-3	X			X		X	X	X
3-3 TO 3-2	X			X		X	X	X

NOT TO SCALE

PROJECT
6058-108-461

SHEET NO.
6

90% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER Chris Eranks, P.E. (City of Danville)
SURVEYED BY DATE H. & B. Surveying and Mapping, LLC 06/24
DESIGN BY Whitman Requardt & Associates, LLC (540) 951-3727
SUBSURFACE UTILITY BY DATE

STORM SEWER PROFILE SHEET

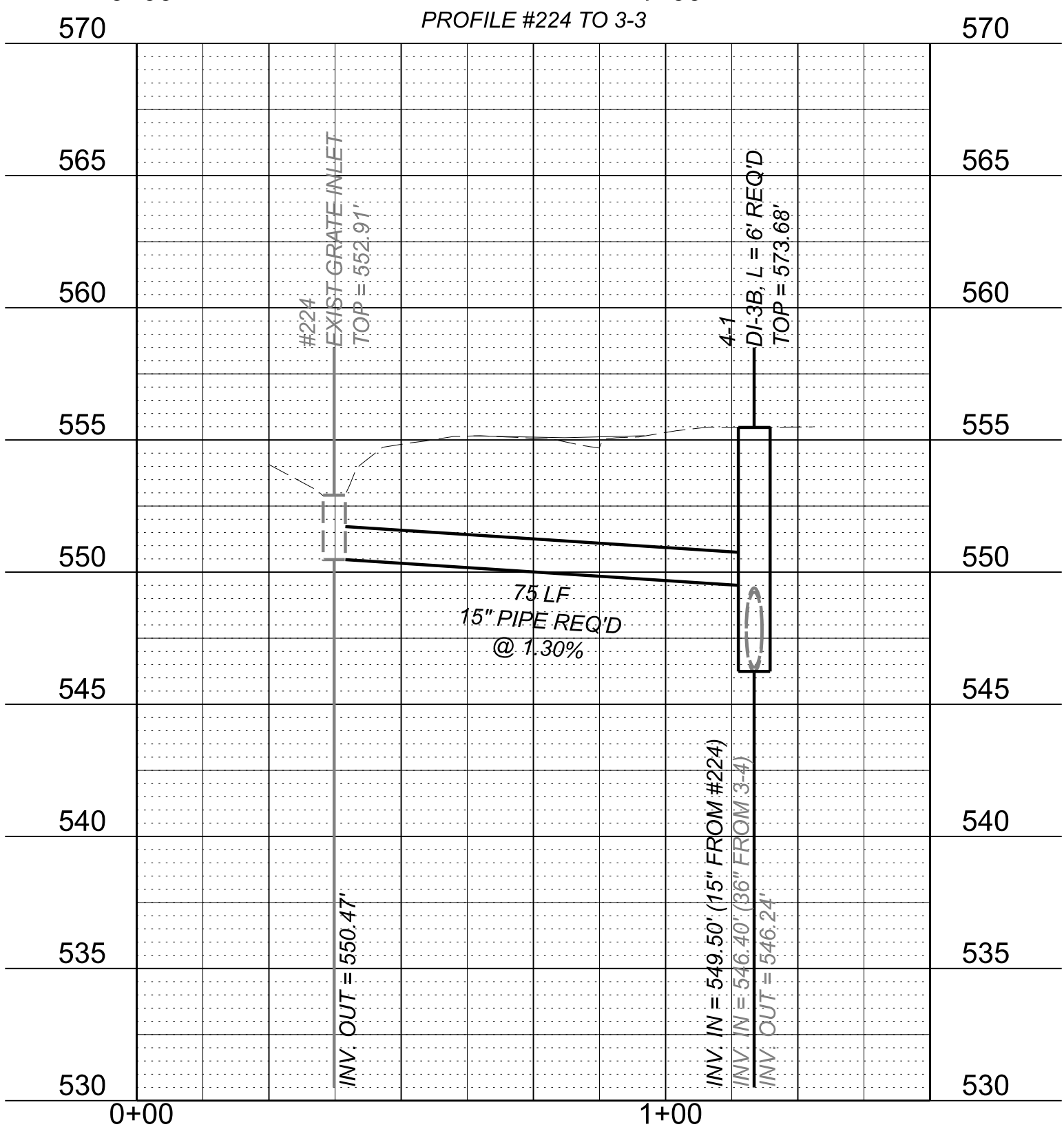
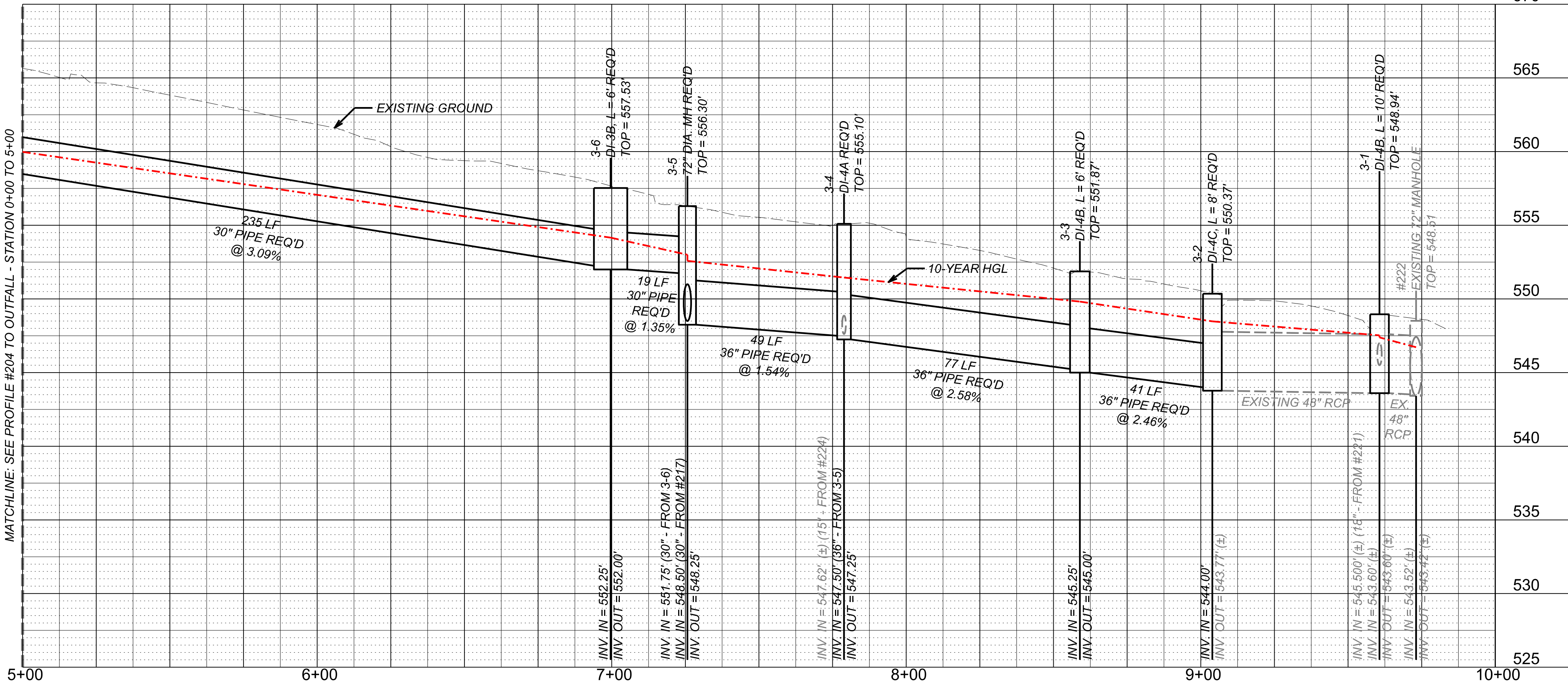
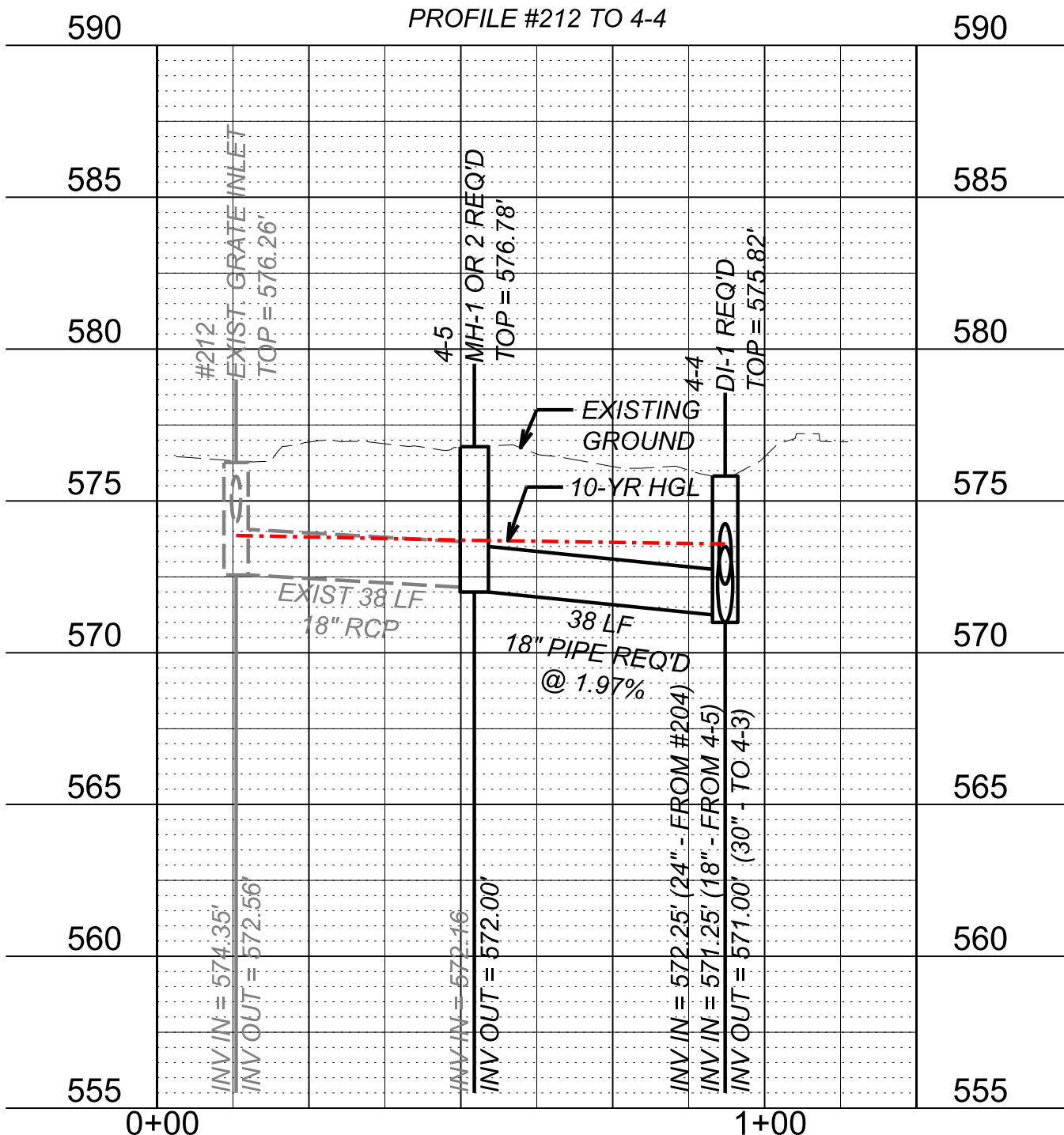
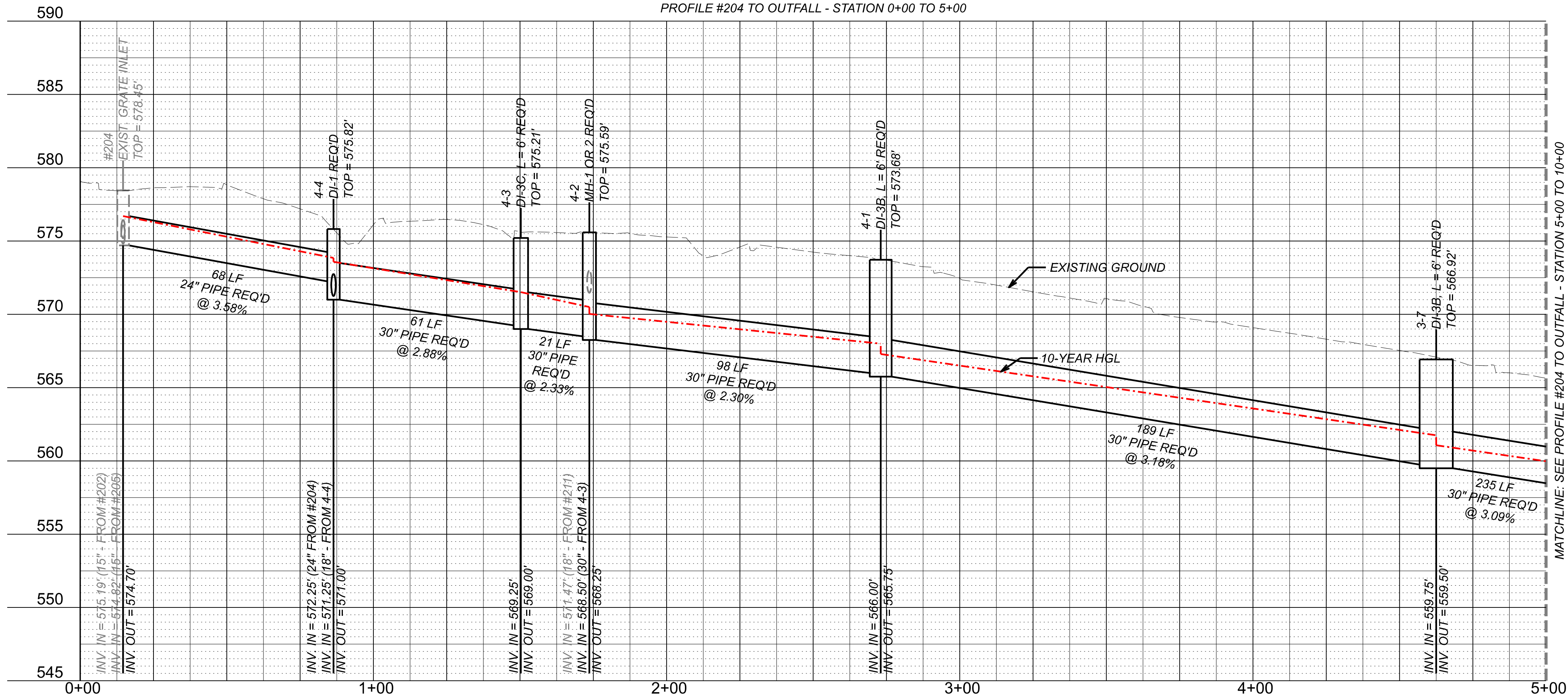
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	58	6058-108-461 C501	7

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

LEGEND:

PROPOSED GRADE
EXISTING GROUND
10-YEAR HYDRAULIC
GRADE LINE (HGL)

Whitman Requardt & Associates
Blacksburg, Virginia
HYDRAULIC ENGINEER



SCALE: 1" = 25' HORIZ.
1" = 5' VERT.

PROJECT
6058-108-461

SHEET NO.
7

90% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED
FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.