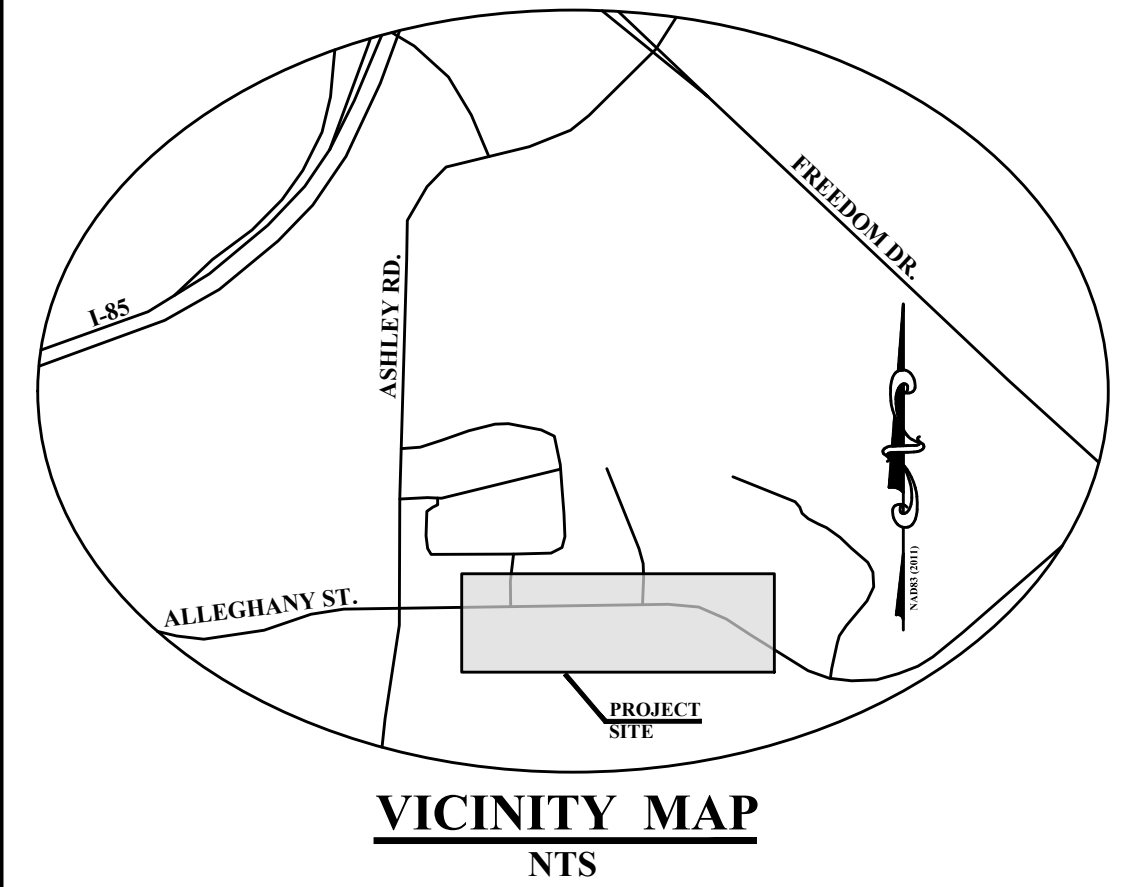


INDEX OF SHEETS	
Cover Sheet	1
General Notes and Details	2
Typical Sections	3
Construction Plan	4-5
Traffic Control	TCP1
Cross Sections	X1-X3
TOTAL SHEETS <u>9</u>	



SURVEY PREPARED BY:

CITY OF CHARLOTTE SURVEY-MAPPING-GIS FROM THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON STATE PLANE COORDINATES ESTABLISHED BY: NCGS MONUMENT OR CONTROL POINT WITH NAD 83(2011) STATE PLANE COORDINATES OF NORTHING:546822.75 EASTING: 1435299.11 ELEVATION NAVD: THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999841959 VERTICAL DATUM: NAVD 88 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES. DATE RANGE OF SURVEY:01/31/2022 TO 02/11/2022

PLANS PREPARED BY:

600 East Fourth Street
Charlotte, North Carolina 28202
Phone: (704) 336-2291
Fax: (704) 336-6586

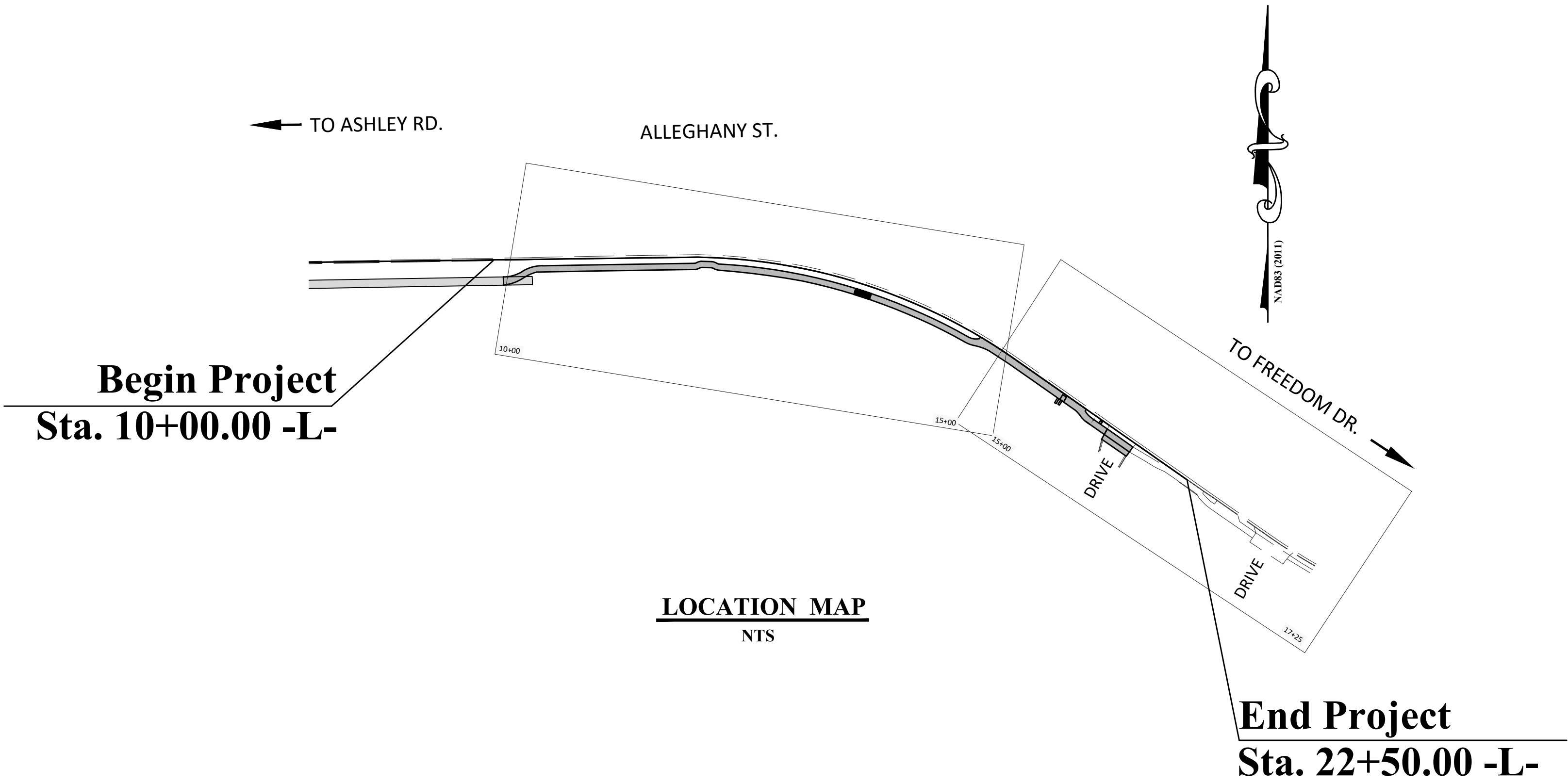


Construction Plans of Proposed
Alleghany Sidewalk (1609-1335)

Project No. PMES231773

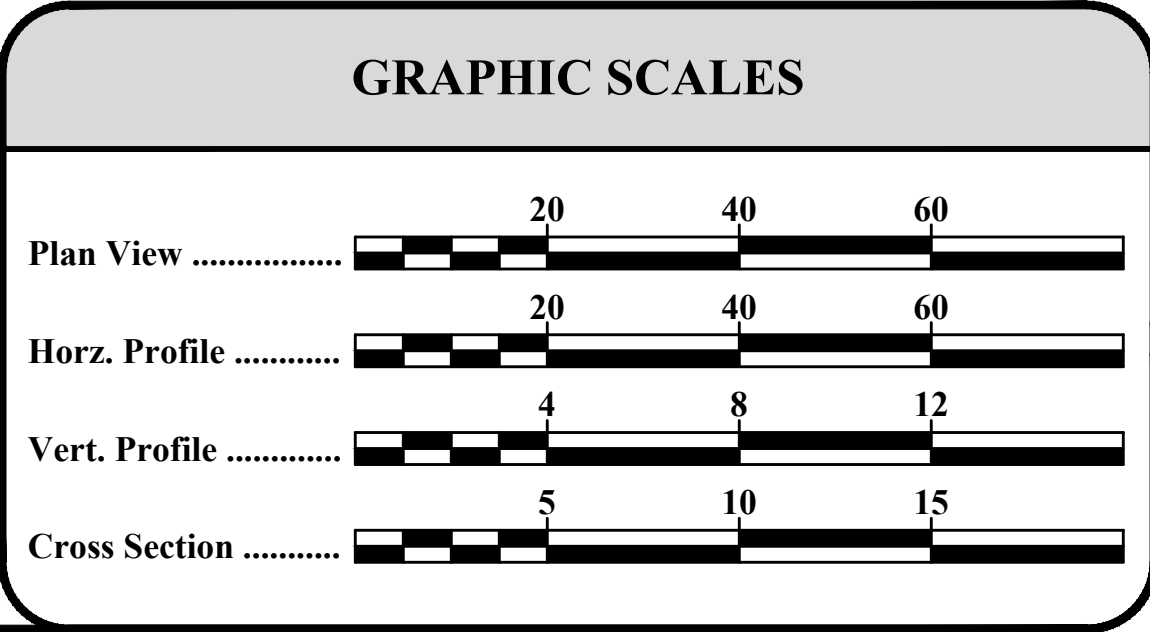
Project Features:

- Grading
- Concrete Driveway
- Concrete Sidewalks
- Asphalt Pavement



PROJECT LENGTH = 1,250 FEET = 0.24 MILES

2024 NCDOT STANDARD SPECIFICATIONS



Bid Set No.

APPROVED

FOR CITY ENGINEER

03/31/2024

DATE

PE SEAL

DS

Seal: NORTH CAROLINA SEAL 055472 ENGINEER ERIC R. KOEHLER

DocuSigned by: Eric Koehler 04/02/2024

Record Drawings

GENERAL NOTES

PROPOSED CURB ELEVATIONS:

THE CONTRACTOR SHALL SET AND ADJUST PROPOSED CURB ELEVATIONS AS NECESSARY TO ENSURE PROPER LONGITUDINAL GRADE FOR DRAINAGE. THE CONTRACTOR SHALL RETAIN EXISTING PAVEMENT, UNLESS OTHERWISE NOTED.

DRIVEWAYS AND SIDEWALKS:

PROPOSED DRIVEWAY ENTRANCE DIMENSIONS ARE FROM EXPANSION JOINT TO EXPANSION JOINT. MATCH REPLACEMENT MATERIALS TO THE EXISTING SURFACE ACCORDINGLY:

- CONCRETE – SIX INCH PORTLAND CEMENT CONCRETE (3600 PSI).
 - ASPHALT – (COMMERCIAL) TWO INCH S9.5C COURSE AND FOUR INCH I19.0C INTERMEDIATE COURSE.
 - (RESIDENTIAL) TWO INCH S9.5C COURSE AND FOUR INCH AGGREGATE BASE (ABC) COURSE.
- GRAVEL – SIX INCH INCIDENTAL STONE

SIDEWALK SHALL BE FOUR INCHES THICK, AND SIX INCHES THICK AT DRIVEWAY CROSSINGS, PER CITY STD. NO. 10.22.

CROSS SLOPES ON SIDEWALKS SHALL NOT EXCEED 2.1%.

RUNNING SLOPES ALONG SIDEWALKS SHALL NOT EXCEED 5.0%, OR THE ADJACENT ROADWAY SLOPE AS MEASURED AT THE GUTTER PAN, WHICHEVER IS GREATER.

A LANDING SHALL BE PROVIDED AT ALL LOCATIONS WHERE A PEDESTRIAN MIGHT TURN TO CHANGE DIRECTION OF TRAVEL. THE LANDING SHALL BE A MINIMUM OF 4 FEET BY 4 FEET. TYPICALLY LANDING DIMENSIONS WILL MATCH SIDEWALK WIDTH. THE LANDING ALSO SHALL NOT EXCEED 2.1% SLOPE MEASURED PERPENDICULAR TO THE ROADWAY. THE LANDING ALSO SHALL NOT EXCEED 2.1% OR ADJACENT ROADWAY SLOPE, WHICHEVER IS GREATER, MEASURED PARALLEL TO THE ROADWAY.

A CROSS SLOPE TRANSITION PANEL MAY BE REQUIRED WHERE PROPOSED SIDEWALK MEETS EXISTING SIDEWALK WITH A CROSS SLOPE GREATER THEN 2.1%. THE TRANSITION PANEL SHALL NOT EXCEED 2.1% ON THE SIDE OF THE PROPOSED SIDEWALK AND/OR RAMP, AND SHALL MATCH THE EXISTING CROSS SLOPE ON THE SIDE OF THE EXISTING SIDEWALK.

DRAINAGE STRUCTURES:

GRADES, ELEVATIONS AND LOCATIONS SHOWN ARE APPROXIMATE. AS DIRECTED BY THE ENGINEER, THEY MAY BE ADJUSTED TO ACCOMMODATE UNFORESEEN CONDITIONS. STATIONS, OFFSETS AND ELEVATIONS REFER TO THE CENTER OF DROP INLETS, MANHOLES AND JUNCTION BOXES, AND THE MIDPOINT OF THE LIP FOR CATCH BASINS. PIPE AND BOX CULVERT LENGTHS ARE REPORTED IN THE CONSTRUCTION DOCUMENTS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE, INCLUDING TRANSITIONS, HORIZONTAL AND VERTICAL BENDS. ALL PIPES SHALL BE ROP CLASS III, UNLESS OTHERWISE NOTED.

WEEP HOLES ARE TO BE CONSTRUCTED AS DIRECTED BY THE ENGINEER. IF REQUIRED, WEEP HOLES ARE TO BE CONSTRUCTED IN THE BOTTOM ¼ OF THE STRUCTURE. ATTACH HARDWARE CLOTH (ALUMINUM OR GALVANIZED STEEL NO. 4 WIRE REINFORCEMENT) TO THE OUTSIDE OF THE STRUCTURE WITH HEAVY DUTY CONSTRUCTION ADHESIVE OVER THE WEEP HOLE. PLACE A POROUS FABRIC BAG FILLED WITH ONE CUBIC FOOT OF NO. 78M STONE AT EACH WEEP HOLE AGAINST THE HARDWARE CLOTH. THERE WILL BE NO SEPARATE PAYMENT FOR THIS WORK.

UTILITIES:

UTILITIES ARE ILLUSTRATED FOR INFORMATION PURPOSES ONLY. THE CITY WILL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OF UTILITY LOCATIONS, SIZES, DEPTHS, OR FOR COMPLETENESS OF UTILITY INFORMATION.

PRIOR TO CONSTRUCTION AND VIA THE CITY UTILITY COORDINATOR AND CITY INSPECTOR, THE CONTRACTOR SHALL NOTIFY AND MEET WITH ALL UTILITIES AFFECTED TO DETERMINE UTILITY LOCATIONS. THE CONTRACTOR SHALL PROTECT ALL UTILITIES FROM DAMAGE CAUSED BY HIS OPERATIONS OR THOSE OF HIS AGENTS. THE CONTRACTOR SHALL HOLD THE CITY HARMLESS FOR ANY THIRD-PARTY INCONVENIENCE CREATED BY WORK OF HIS OWN FORCES OR THAT OF HIS AGENTS. ANY DAMAGES INCURRED SHALL BE THE CONTRACTORS FINANCIAL RESPONSIBILITY.

AS NEEDED, THE CONTRACTOR SHALL ADJUST/RELOCATE THE SANITARY SEWER AND WATER LINES ONLY. ALL OTHER ADJUSTMENTS/RELOCATIONS WILL BE PERFORMED BY THE VARIOUS UTILITY OWNERS. VIA THE CITY UTILITY COORDINATOR AND CITY INSPECTOR, THE CONTRACTOR SHALL COORDINATE WORK WITH UTILITY OWNERS SO AS NOT TO ADVERSELY AFFECT THE PROJECT SCHEDULE. THE CITY WILL NOT BE HELD RESPONSIBLE FOR ANY DELAYS OR DISRUPTIONS TO THE WORK SCHEDULE OF OTHER UTILITY OWNERS. THE CONTRACTOR SHALL STAY A MINIMUM OF 5 FEET AWAY FROM ALL UTILITY POLES.

- FOR UTILITY LOCATES CALL NORTH CAROLINA ONE–CALL @ 1–800–632–4949.
- WARNING: OVERHEAD UTILITIES. UNLESS OTHERWISE NOTED FOR RELOCATION, THE CONTRACTOR IS TO WORK UNDER ALL EXISTING OVERHEAD UTILITIES.

THE CONTRACTOR SHALL ADJUST ALL WATER VALVES, WATER METER BOXES AND WATER VAULTS TO FINISHED GRADE. WATER METERS LOCATED IN SIDEWALKS OR CONCRETE DRIVEWAYS SHALL BE INSTALLED WITHIN CONCRETE BOXES.

GAS LINES WILL BE ADJUSTED/RELOCATED AS NEEDED BY PIEDMONT NATURAL GAS. VIA THE CITY UTILITY COORDINATOR AND CITY INSPECTOR, THE CONTRACTOR SHALL CONTACT PIEDMONT NATURAL GAS AT LEAST TWO WEEKS PRIOR TO CONSTRUCTION.

EXISTING SANITARY SEWER AND WATER LINE:

PRIOR TO THE BEGINNING OF ANY WATER AND/OR SANITARY SEWER WORK, CONTACT THE CHARLOTTE WATER PROJECT MANAGER, AND AN INSPECTOR WILL BE PROVIDED FOR WORK OVERSIGHT.

WHERE SANITARY SEWERS AND WATER LINES ARE ENCOUNTERED, THE CONTRACTOR SHALL USE CARE IN WORKING AROUND OR NEAR THEM. IF AN EXISTING SEWER OR WATER LINE IS DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY REPORT THE PROBLEM TO CHARMECK 311 AND THE CHARLOTTE WATER PROJECT MANAGER AND INSPECTOR, AND REPLACE THE SEWER OR WATER LINE WITH CLASS 350 DUCTILE IRON PIPE. THE CONTRACTOR SHALL REPLACE A MINIMUM OF 18 FEET OF SANITARY SEWER AND/OR WATER LINE WITH CLASS 350 DUCTILE IRON PIPE WHEN ANY OF THE MINIMUM SEPARATION DISTANCES OUTLINED IN THE SPECIAL PROVISIONS FOR THIS PROJECT ARE NOT MET. ALL WATER VALVES, WATER METER BOXES, AND WATER VAULTS AFFECTED BY THIS CONSTRUCTION ARE TO BE ADJUSTED TO THE FINISHED GRADE BY THE CONTRACTOR.

WATER AND SEWER MAINS ARE TO REMAIN ACTIVE DURING CONSTRUCTION. IF THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL FOLLOW CHARLOTTE WATER PROCEDURES AS OUTLINED IN THE DESIGN MANUAL AND SPECIAL PROVISIONS REGARDING OUTAGES. TEMPORARY WATER SERVICE AND BYPASS SEWER PUMPING. ALL PLANNED OUTAGES ARE TO BE COORDINATED WITH CHARLOTTE WATER, WITH A MINIMUM OF 72 HOURS NOTICES TO THE AFFECTED RESIDENTS AND BUSINESSES.

SANITARY SEWER AND WATER SERVICE LATERALS ARE NOT SHOWN ON THESE PLANS AND WILL BE ENCOUNTERED DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH CHARLOTTE WATER PERSONNEL TO ENSURE THAT ALL EXISTING SERVICES ARE RELOCATED AND KEPT IN SERVICE. THIS WORK IS INCIDENTAL TO ALL CONSTRUCTION ACTIVITIES.

SUBSURFACE PLANS:

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

MAIL BOXES:

THE CONTRACTOR SHALL RELOCATE ALL MAIL BOXES AS REQUIRED BY SECTION 107–11 OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. COORDINATE THIS WORK WITH THE U.S. POSTAL SERVICE.

GENERAL NOTES

FENCES:

THE CONTRACTOR SHALL REMOVE AND RESET FENCES AS NOTED ON THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.

TREES, SHRUBS, AND HEDGES:

THE CONTRACTOR IS REQUIRED TO REMOVE TREES, SHRUBS, AND HEDGES WITHIN THE EASEMENT LINES UNLESS SHOWN ON THE PLANS TO BE PROTECTED. WHEN ROOT PRUNING IS NECESSARY, CUT ROOTS CLEANLY USING A DISC TRENCHER IN ACCORDANCE WITH SECTION 01000 OF THE CITY OF CHARLOTTE LANDSCAPE CONSTRUCTION STANDARDS. PRUNING SHALL BE PER THE LATEST STANDARD OF THE LANDSCAPE CONSTRUCTION STANDARDS MANUAL (TYP.) USE PLYWOOD FORMS WHEN TREE ROOTS ARE ADJACENT TO PROPOSED CURB & GUTTER OR SIDEWALK. USE CLD STD. 40.11 FOR BRIDGING TREE ROOTS. TREES SPECIFIED BY THE PLANS TO HAVE ASPHALT CURBING MUST USE CLD STD. 40.13. TREE PROTECTION SHALL BE IN ACCORDANCE WITH CLD STD. 40.02. WHEN THE TREE IS CLOSE TO THE WORK AREA TREE PROTECTION CLD STD. 40.12 SHALL BE USED.

SIDE SLOPES:

LIMITS OF PROPOSED SLOPES ARE INDICATED IN THE PLANS, DETAILS AND STANDARD DRAWINGS. THE MAXIMUM SLOPE SHALL NOT EXCEED A 3:1 (HORIZONTAL TO VERTICAL) UNLESS DESIGNATED BY THE ENGINEER. A CUT SLOPE OF 2:1 MAXIMUM WILL BE USED ONLY AS DIRECTED BY THE ENGINEER.

EROSION CONTROL:

THE CONTRACTOR SHALL MAINTAIN EROSION CONTROL DEVICES IN ACCORDANCE WITH THE APPROPRIATE CITY AND STATE EROSION AND SEDIMENT CONTROL ORDINANCES. THE CONTRACTOR SHALL PREVENT STANDING WATER DUE TO CONSTRUCTION. DISTURBED AREAS SHALL BE SEEDED AND MULCHED AT THE DIRECTION OF THE ENGINEER. THE CONTRACTOR SHALL FOLLOW THE EROSION CONTROL MEASURES SHOWN ON SHEETS 4–5.

ACCESSIBLE RAMPS AND DEPRESSED CURB:

THE CONTRACTOR SHALL CONSTRUCT 6-INCH THICK CONCRETE ACCESSIBLE CURB RAMPS AT INTERSECTIONS IN ACCORDANCE WITH THE LATEST REVISIONS FOR ACCESSIBLE CURB RAMPS DETAILS, "PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY" (PROWAG), CONSTRUCTION PLANS & NCDOT STANDARD DRAWINGS.

RUNNING SLOPES ALONG CURB RAMPS SHALL NOT EXCEED 8.3% UNLESS RAMP IS GREATER THAN OR EQUAL TO 15 FEET LONG. RAMP MUST MAINTAIN CONSISTENT RUNNING SLOPE.

FLARES SHALL BE 10.0% MAXIMUM SLOPE (WHERE APPLICABLE), UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

RAMP CROSS SLOPE SHALL NOT EXCEED 2.1%, OR THE ADJACENT ROADWAY SLOPE AS MEASURED AT THE GUTTER PAN, WHICHEVER IS GREATER.

A LANDING SHALL BE PROVIDED AT ALL LOCATIONS WHERE A PEDESTRIAN MIGHT TURN TO CHANGE DIRECTION OF TRAVEL. THE LANDING SHALL BE A MINIMUM OF 4 FEET BY 4 FEET, UNLESS NOTED BY THE ENGINEER. TYPICALLY LANDING DIMENSIONS WILL MATCH SIDEWALK WIDTH. THE LANDING SHALL NOT EXCEED 2.1% SLOPE MEASURED PERPENDICULAR TO THE ROADWAY. THE LANDING ALSO SHALL NOT EXCEED 2.1% OR ADJACENT ROADWAY SLOPE, WHICHEVER IS GREATER, MEASURED PARALLEL TO THE ROADWAY.

SAWCUTS:

THE CONTRACTOR SHALL SAWCUT EXISTING ASPHALT AND/OR CONCRETE SURFACES PRIOR TO REMOVAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER. SAW CUT WIDTH SHALL BE 1 FOOT MINIMUM FROM THE EXISTING EDGE OF PAVEMENT. SAW CUT PAVEMENT SHALL BE REPLACED AS WELL AS ADDITIONAL PAVEMENT REQUIRED TO TIE-IN TO FACE OF PROPOSED CURB AND GUTTER.

TRAFFIC CONTROL:

TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF THE "WORK AREA TRAFFIC CONTROL HANDBOOK" (WATCH) AND THE TRAFFIC CONTROL PLANS ON SHEET TCP1.

STANDARDS

THE FOLLOWING STANDARDS AND THE LATEST REVISION THERETO ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE ARE CONSIDERED A PART OF THESE PLANS. NCDOT STANDARDS SHALL BE USED. CHARLOTTE LAND DEVELOPMENT STANDARDS MAY BE USED IF THERE IS NOT AN APPLICABLE NCDOT STANDARD.

NCDOT:

STD. NO.:	TITLE:
1130.01.....	DRUMS
1135.01.....	CONES

CHARLOTTE:

STD. NO.:	TITLE:
10.22.....	CONCRETE SIDEWALKS
10.23.....	SIDEWALK TRANSITION
30.06A.....	TEMPORARY SILT FENCE
30.15.....	CATCH BASIN INLET PROTECTION
40.11.....	REINFORCED CONCRETE SIDEWALK
40.12.....	TEMPORARY TREE PROTECTION DETAIL

ABBREVIATIONS

ABAND.....	ABANDONED
A.D.....	ALGEBRAIC DIFFERENCE
ASPH.....	ASPHALT
APPROX.....	APPROXIMATELY
BOC.....	BACK OF CURB
BIT.....	BITUMINOUS
BM.....	BENCH MARK
BRG.....	BEARING
CB.....	CATCH BASIN
C&G.....	CURB AND GUTTER
CL.....	CLEARANCE
C/L FENCE.....	CHAIN LINK FENCE
CMP.....	CORRUGATED MTL PIPE
CONC.....	CONCRETE
CONST.....	CONSTRUCTION
DB.....	DEED BOOK
DCB.....	DOUBLE CB
DI.....	DROP INLET
DIA.....	DIAMETER
DW.....	DRIVEWAY
DIM.....	DIMENSION
E.....	EAST/EASTING
EA.....	EACH
ELEV.....	ELEVATION
EOP.....	EDGE OF PAVEMENT
ESMT.....	EASEMENT
EXIST.....	EXISTING
F/C.....	FACE OF CURB
FES.....	FLARED END SECTION
FH.....	FIRE HYDRANT
FOC.....	FIBER OPTIC CABLE
GV.....	GAS VALVE
HORIZ.....	HORIZONTAL
INT.....	INTERSECTION
INV.....	INVERT
IP.....	IRON PIN SET
L.....	LENGTH
LF.....	LINEAR FOOTAGE
LT.....	LEFT
lb.....	POUND
LP.....	LIGHT POLE
MAX.....	MAXIMUM
MIN.....	MINIMUM
MONO.....	MONOLITHIC
mph.....	MILES PER HOUR
MTL.....	METAL
N.....	NORTH/NORTHING
NTS.....	NOT TO SCALE
O/H.....	OVER HEAD
OC.....	ON CENTER
PAVT.....	PAVEMENT
PC.....	POINT OF CURVATURE
PERM.....	PERMANENT
PG.....	PAGE
PI.....	POINT OF INT
PK.....	PK NAIL SET
PP.....	POWER POLE
PROP.....	PROPOSED
PSE.....	TEAM SW ESMT
PT.....	POINT OF TANGENCY
PVL.....	POINT OF VERT INT
r.....	RADIUS
R.G.....	ROAD GRADE
RT.....	RIGHT
RCP.....	REINFORCED CONC PIPE
RELOC.....	RELOCATE
R/W.....	RIGHT OF WAY
S.....	SOUTH
SD.....	STORM DRAIN
SF.....	SQUARE FOOT
S/R FENCE.....	SPLIT RAIL FENCE
SS.....	SANITARY SEWER
STA.....	STATION
STD.....	STANDARD
SW.....	SIDEWALK
TAN.....	TANGENT
TCE.....	TEMP CONST ESMT
TEMP.....	TEMPORARY
TP.....	TRANSVERSE POINT
T/W.....	TEST WIRE
TYP.....	TYPICAL
U/G.....	UNDER GROUND
UTE.....	PERM UTILITY ESMT
VC.....	VERTICAL CURVE
VERT.....	VERTICAL
W.....	WEST
W/.....	WITH
WM.....	WATER METER
W VAULT.....	WATER VAULT
WV.....	WATER VALVE
60p.....	SIXTY PENNY NAIL SET
.....	FOOT
.....	INCH

CONVENTIONAL SIGNS

Proposed Property Line	---	--	---
Existing Property Line	---	--	---
Maintained as R/W Line	R/W	---	---
Slope Stake Cut line	C	C	---
Slope Stake Fill line	F	F	---
Conservation Easement	CE	CE	---
Temporary Construction Easement	e	e	---
Sidewalk/Utility Easement	SUE	SUE	---
Storm Drainage Easement	SDE	SDE	---
Utility Easement	UTE	UTE	---
Post Construction Controls Easement	PCCE	PCCE	---
Existing Easement	E	E	---
Existing Gas Line	G	G	---
Proposed Gas Line	G	O	---
Existing Water Line	W	W	---
Proposed Water Line	W	W	---
Existing Sanitary Sewer	SS	SS	---
Proposed Sanitary Sewer	SS	SS	---
Existing Underground Telecommunications.....	UT	UT	---
Existing Underground Electric	UE	UE	---
Existing Overhead Utilities.....	OU	OU	---
Existing Overhead Electric	OE	OE	---
Existing Overhead Telephone	OT	OT	---
Existing Underground Cable TV.....	TV	TV	---
Existing Underground Fiber Optic.....	FO	FO	---
Existing Overhead Fiber Optic.....	OF	OF	---
Proposed Underground.....	UU	UU	---
Proposed Overhead.....	OU	OU	---
Existing Storm Drainage	---	---	---
Proposed Storm Drainage	---	---	---
Existing Guardrail.....	a	a	a
Proposed Guardrail.....	a	a	a
Existing Fence.....	x	x	---
Proposed Fence.....	x	x	---
Silt Fence.....	■	■	■
Proposed Safety Rail.....	○	○	---
Creek/Ditch.....	---	---	---
Railroad Tracks.....	+	+	+
Accessible Ramp Domes	8559		
Tree Protection			U
Proposed Curb & Gutter, Conc. Drive, Sidewalk			■
Proposed Asphalt Pavement			■
Proposed Rip Rap Ditch			■
Proposed Gravel			■
Proposed Pavement Removal			■
Proposed Sidewalk Bridging Tree Roots			■
Sidewalk Cross Slope Transition			■
Asphalt Milling			■

CONVENTIONAL SIGNS

Existing Tree	⊙
Existing Water Meter	WM
Proposed Water Meter	WM
Existing Water Valve	WV
Proposed Water Valve	WV
Existing Gas Valve	⊗
Existing Sanitary Sewer Manhole	⊙
Proposed Sanitary Sewer Manhole	⊙
Existing Storm Drain Manhole	⊙
Proposed Storm Drain Manhole	⊙
Existing Telephone Manhole	⊙
Proposed Telephone Manhole	⊙
Existing Electric Manhole	⊙
Proposed Electric Manhole	⊙
Existing Catch Basin	⊙
Proposed Catch Basin	■
Existing Light Pole	⊙
Proposed Light Pole	⊙
Existing Utility Pole	⊙
Guy Wire	⊙
Proposed Utility Pole	⊙
Iron Pin	⊙
Existing Fire Hydrant	⊙
Proposed Fire Hydrant	⊙
Existing Drop Inlet.....	□
Proposed Drop Inlet.....	■

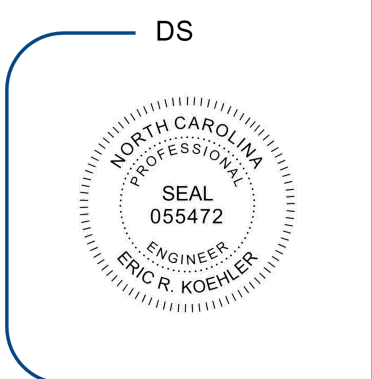


Plans Prepared By:

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GENERAL SERVICES

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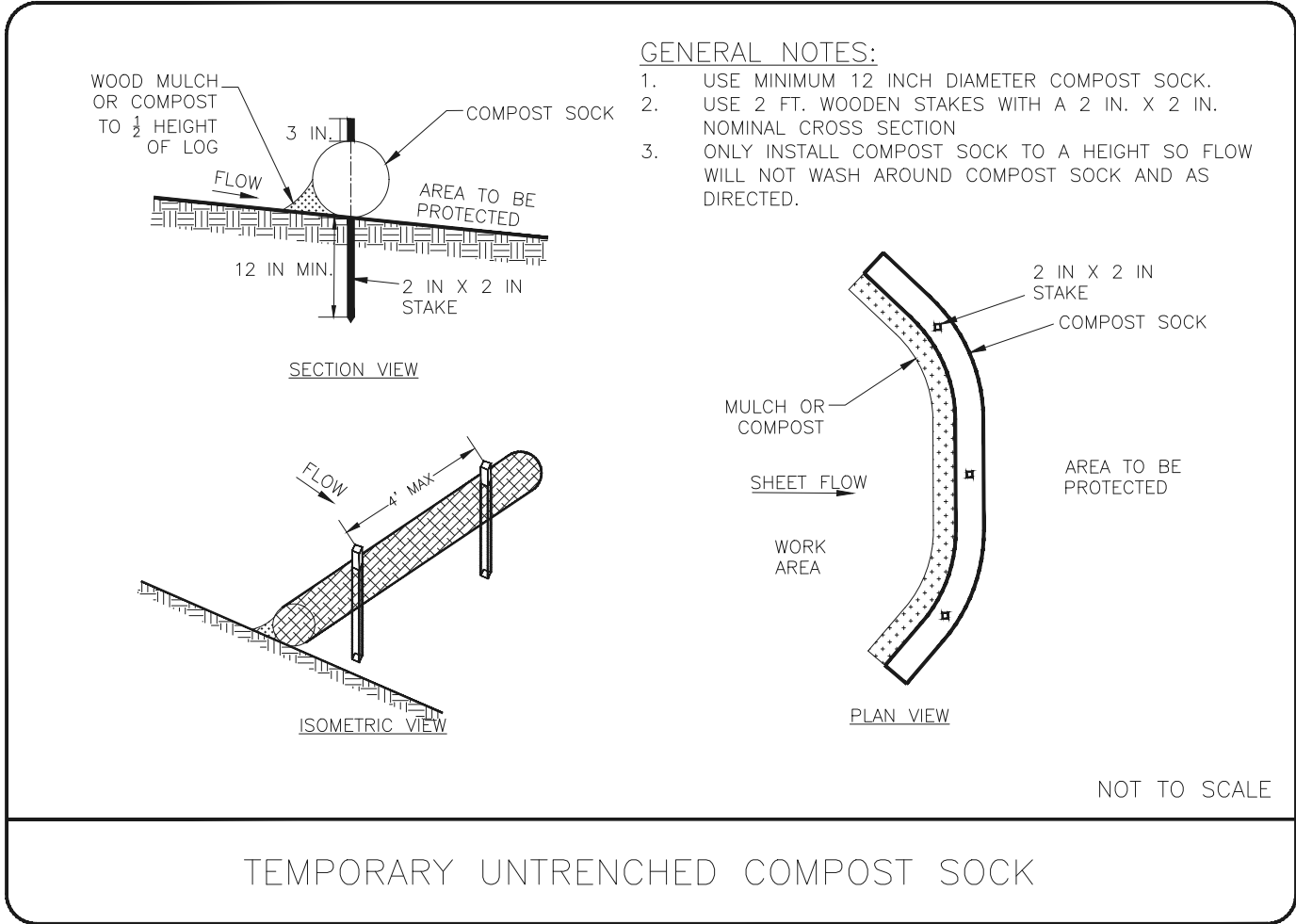
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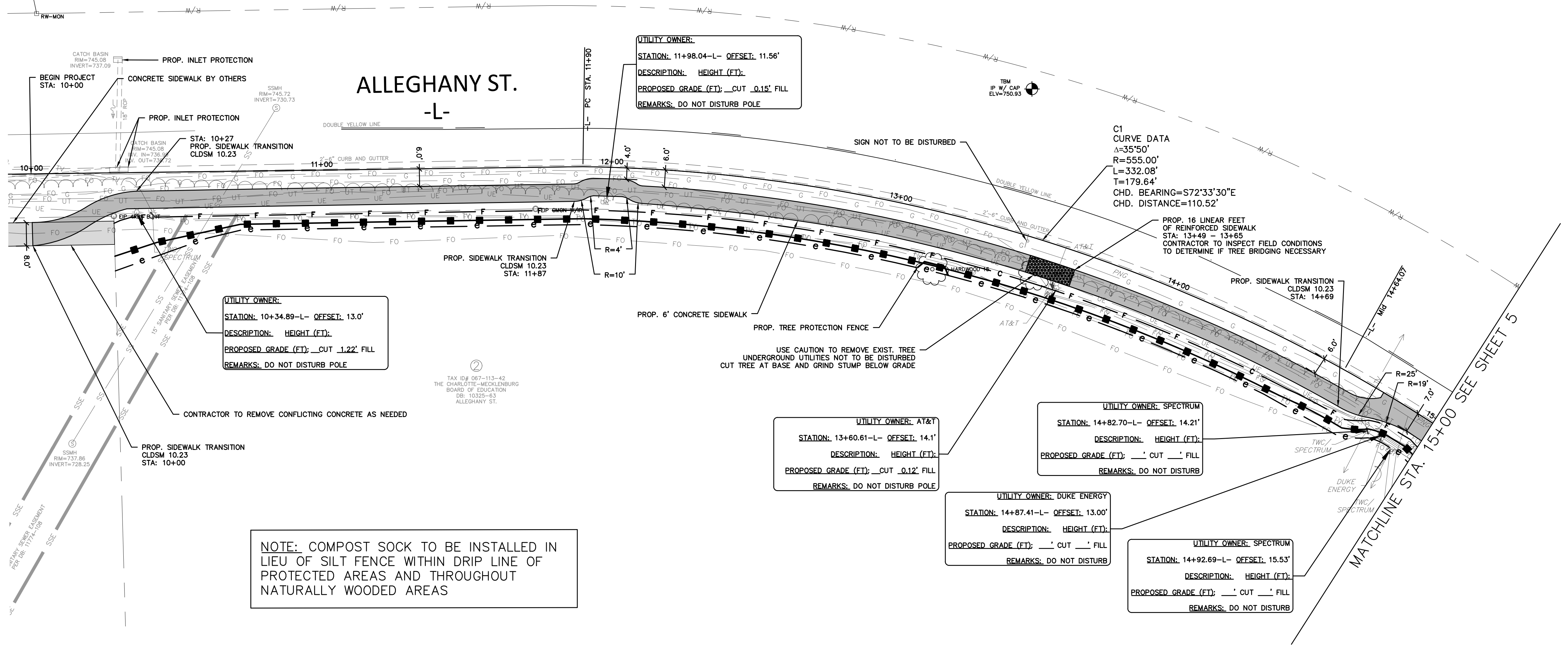
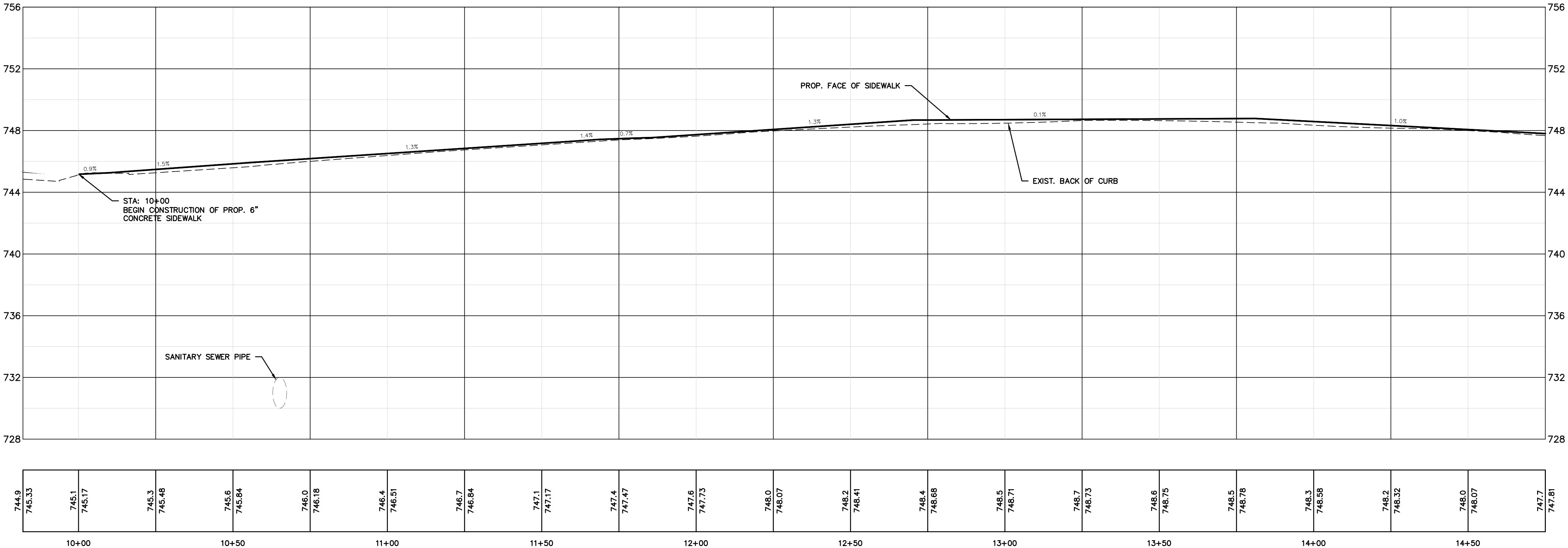
DocuSigned by:
Eric Koehler
CARCDOBREARNAAD
04/02/2024

N.T.S. SCALE	ACB CHECKED BY	MARCH 2024 DATE
PMES231773 JOB NO.	ERK PREPARED BY	ACB APPROVED BY

ALLEGHANY
SIDEWALK GAP
GENERAL NOTES



SHEET 3	ALLEGHANY SIDEWALK GAP
OF 5	TYPICAL SECTIONS

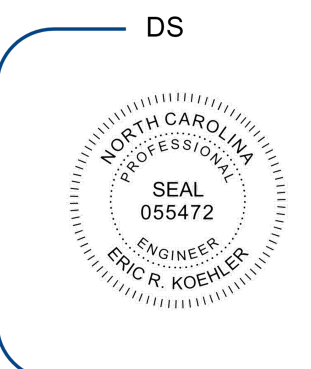


NOTE: COMPOST SOCK TO BE INSTALLED IN LIEU OF SILT FENCE WITHIN DRIP LINE OF PROTECTED AREAS AND THROUGHOUT NATURALLY WOODED AREAS



Plans Prepared By:
BUILDING
CITY OF CHARLOTTE
GENERAL SERVICES

NO.	DATE	BY	DESCRIPTION

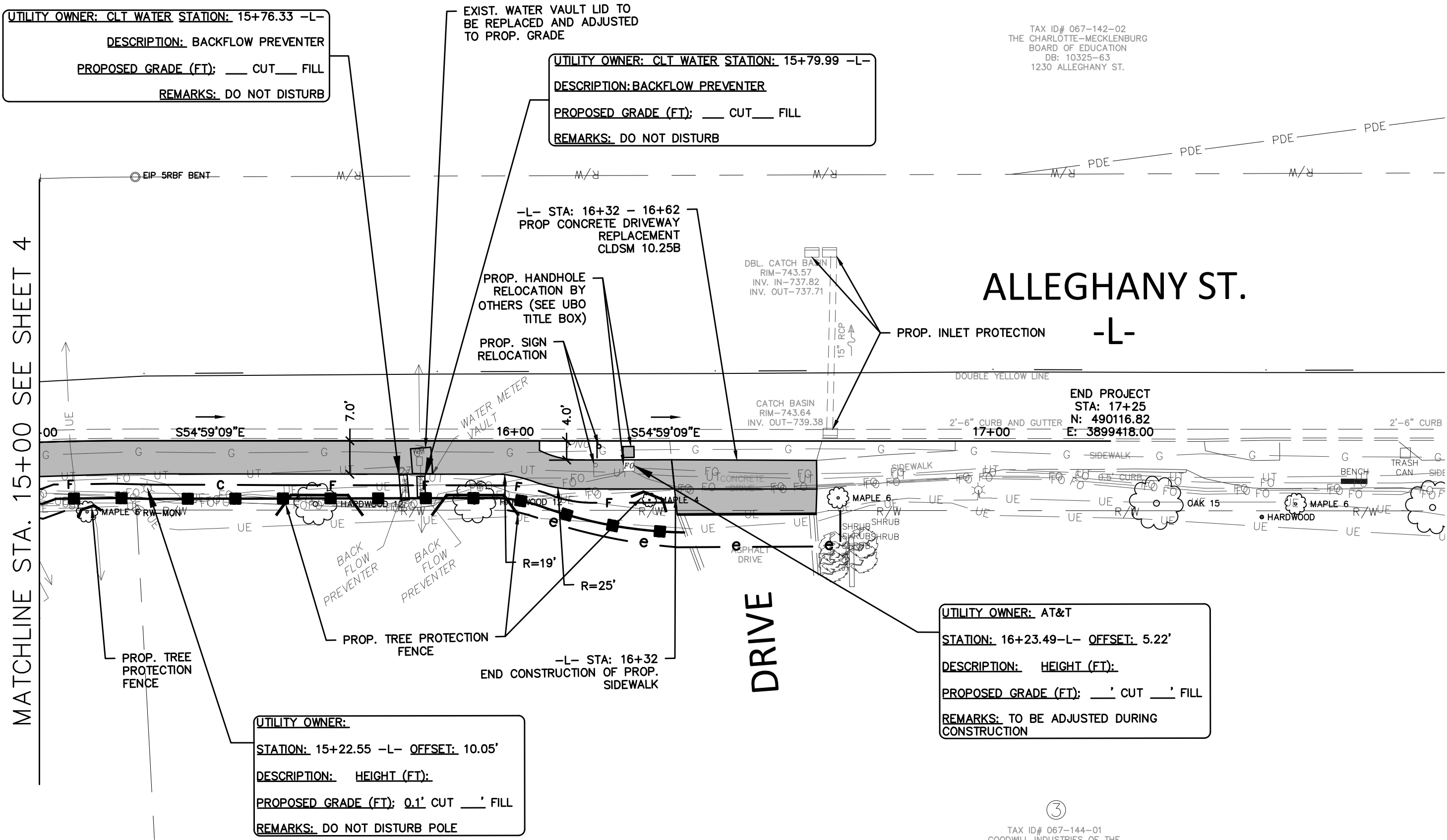
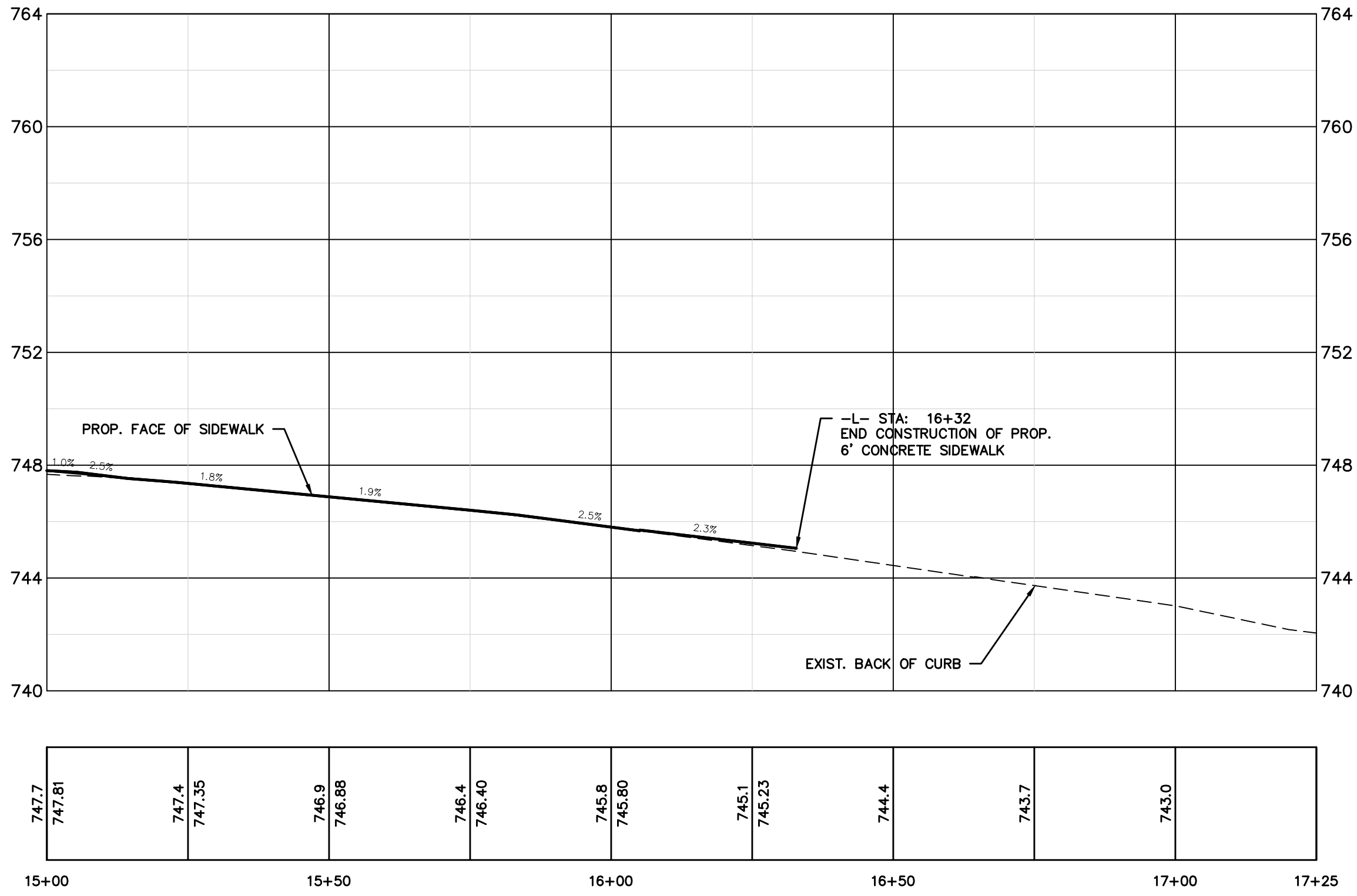


DocuSigned by:
Eric Koehler
CAROLINA ROAD
04/02/2024

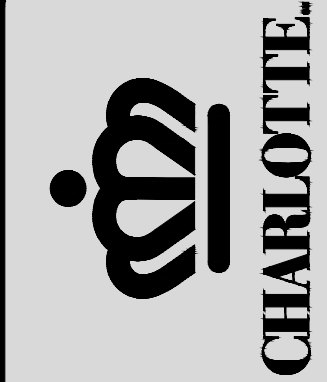
1"=20' SCALE	ACB CHECKED BY	MARCH 2024 DATE
PMES231773 JOB NO.	ERK PREPARED BY	ACB APPROVED BY

**ALLEGHANY
SIDEWALK GAP**

CONSTRUCTION PLAN
STA: 10+00 - 15+00



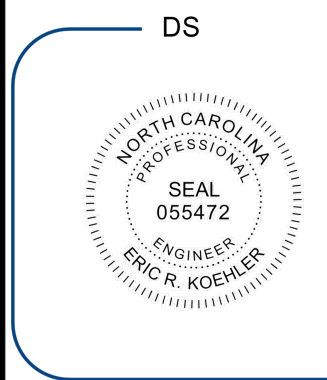
NOTE: COMPOST SOCK TO BE INSTALLED IN LIEU OF SILT FENCE WITHIN DRIP LINE OF PROTECTED AREAS AND THROUGHOUT NATURALLY WOODED AREAS



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NO.	DATE	BY	DESCRIPTION



DocuSigned by:
Eric Koehler
CAROLYNB@ROAD...
04/02/2024

1"=20' SCALE	ACB CHECKED BY	MARCH 2024 DATE
PMES231773 JOB NO.	ERK PREPARED BY	ACB APPROVED BY

**ALLEGHANY
SIDEWALK GAP**

CONSTRUCTION PLAN
STA: 15+00 - 17+25

SHEET
5

OF
5

GENERAL NOTES

- A) ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE REQUIREMENTS OF THE MOST CURRENT EDITIONS OF THE CHARLOTTE DEPT. OF TRANSPORTATION(CDOT) WORK AREA TRAFFIC CONTROL HANDBOOK(W.A.T.C.H.), THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES(M.U.T.C.D.), THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION(NCDOT) SUPPLEMENT TO THE M.U.T.C.D., THE NCDOT ROADWAY STANDARD DRAWINGS AND THE CURRENT EDITION OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
- B) THE CONTRACTOR IS TO NOTIFY CDOT IN WRITING 10 WORKING DAYS IN ADVANCE OF ANY ROAD CLOSURE OR 5 WORKING DAYS PRIOR TO CLOSING ONE OR MORE TRAVEL LANES IN ACCORDANCE WITH THE SECTION "APPROVAL AND NOTIFICATION REQUIREMENT FOR WORK IN THE PUBLIC RIGHT-OF-WAY OF THE W.A.T.C.H. HANDBOOK.
- C) ALL SIGNAL REVISIONS OR SHIFTS OF SIGNAL HEADS WILL BE THE RESPONSIBILITY OF CDOT; PRIOR TO REVISING TRAFFIC LANES WHICH REQUIRE SIGNAL REVISIONS, THE CONTRACTOR SHALL NOTIFY THE CDOT IMPLEMENTATION SECTION MANAGER (704-336-4119) OR THEIR REPRESENTATIVE A MINIMUM OF 30 CALENDAR DAYS IN ADVANCE. TRAFFIC LANES SHALL NOT BE SHIFTED UNTIL THE REQUIRED SIGNAL REVISION / SHIFT IS COMPLETE AND READY FOR ACTIVATION. ALL COMPLETE RESTRINGS OR NEW TRAFFIC SIGNALS REQUIRE 60 CALENDAR DAYS NOTICE.
- D) THE CONTRACTOR SHALL BE REQUIRED TO FURNISH, INSTALL, RELOCATE, AND MAINTAIN ALL TRAFFIC CONTROL DEVICES, SIGNS, BARRICADES, WARNING AND/OR CHANNELIZING DEVICES FOR WORK SITES AND DETOUR ROUTES AS SHOWN IN TRAFFIC CONTROL PLANS UNLESS OTHERWISE SPECIFIED BY THE ENGINEER.
- E) CONSTRUCTION PHASING MAY DICTATE THAT TWO OR MORE TYPICAL W.A.T.C.H. DIAGRAMS OR STANDARDS BE USED IN ONE AREA OF CONSTRUCTION. CHANNELIZING DEVICES ASSOCIATED WITH THESE TYPICALS SHALL BE MOVED, SUPPLEMENTED, CHANGED, OR REMOVED AS NECESSARY TO COMPLY WITH THE CONSTRUCTION PHASING OF THE PLANS. THE LOCATION AND POSITIONING OF THESE DEVICES SHALL BE APPROVED BY THE ENGINEER TO ENSURE THAT THE MOTORIST DOES NOT RECEIVE FALSE INFORMATION WHEN TWO OR MORE TYPICALS AND/OR ROADWAY STANDARD DRAWINGS OVERLAP.
- F) CONTRACTOR SHOULD BE AWARE THAT WHEN THE CONSTRUCTION AREA IS IN OR NEAR A VERTICAL CREST OR HORIZONTAL CURVE, THE WORK AREA SHALL BE EXTENDED SO THAT LANE CLOSURE BEGINS IN ADVANCE OF THE CURVE AND MINIMUM STOPPING SIGHT DISTANCE IS MET.
- G) OFF-DUTY POLICE OFFICERS MAY BE REQUIRED AS DIRECTED BY THE ENGINEER TO BE PRESENT FOR CONTROLLING TRAFFIC DURING CONSTRUCTION HOURS.
- H) THE CONTRACTOR SHALL MARK ALL HAZARDS WITHIN THE LIMITS OF THE PROJECT WITH WELL-MAINTAINED SIGNS, BARRICADES, WARNING AND/OR CHANNELIZING DEVICES. ON CONNECTING ROADS, ALL BARRICADES, SIGNS, WARNING, AND/OR CHANNELIZING DEVICES SHALL BE MOVED, SUPPLEMENTED, CHANGED, OR REMOVED AS REQUIRED DURING THE PROGRESS OF CONSTRUCTION AS APPROVED BY THE ENGINEER.
- I) WORK ON THE PROJECT OR ANY SEPARATE ACTIVITY THEREIN SHALL NOT START UNTIL ALL OF THE REQUIRED SIGNS, BARRICADES, WARNING, AND/OR CHANNELIZING DEVICES ARE INSTALLED AND APPROVED BY THE ENGINEER.
- J) THE CONTRACTOR SHALL CONTACT THE CDOT IMPLEMENTATION SECTION MANAGER (704-336-4119) OR REPRESENTATIVE WITH THE CITY OF CHARLOTTE DEPARTMENT OF TRANSPORTATION (CDOT) TWO WEEKS PRIOR TO BEGINNING ANY WORK.
- K) THE CONTRACTOR MUST MAINTAIN DURING ALL PERIODS OF CONSTRUCTION ACTIVITY THE ABILITY TO FLAG TRAFFIC USING QUALIFIED FLAGGERS WHEN NECESSARY OR REQUIRED
- L) THE CONTRACTOR SHALL INSTALL TEMPORARY PAVEMENT MARKINGS AND ADDRESS CONFLICTING PAVEMENT MARKINGS IN ACCORDANCE WITH THE SECTION "TEMPORARY TRAFFIC CONTROL ZONE DEVICES" OF THE W.A.T.C.H. HANDBOOK OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL MAINTAIN ANY EXISTING PAVEMENT MARKINGS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- M) THE CONTRACTOR SHALL MAINTAIN TWO WAY TRAFFIC ON ALL PORTIONS OF THIS PROJECT UNLESS OTHERWISE SPECIFIED IN THE PLANS, PROJECT NOTES, OR BY THE ENGINEER. FOR ALL APPROVED ROAD AND LANE CLOSURES, THE CONTRACTOR MUST NOTIFY THE CDOT IMPLEMENTATION SECTION MANAGER (704-336-4119) OR REPRESENTATIVE A MINIMUM OF TEN WORKING DAYS PRIOR TO THE ROAD CLOSING, AND FIVE WORKING DAYS PRIOR TO A 24-HOUR/PEAK HOUR LANE CLOSURE.
- N) CONTRACTOR WILL BE REQUIRED TO PROVIDE PROPERTY OWNERS AND TENANTS ACCESS TO THEIR PROPERTY THROUGHOUT THE PROJECT LIMITS, INCLUDING REASONABLE INGRESS AND EGRESS FOR BUSINESSES. SPECIAL ATTENTION SHALL BE PAID TO FIRE HYDRANTS.
- O) THE CONTRACTOR IS TO NOTIFY (BY MAIL) ALL PROPERTY OWNERS AND OCCUPANTS WHO HAVE DIRECT ACCESS TO THE ROADWAY WITHIN THE PROJECT LIMITS A MINIMUM OF 5 AND A MAXIMUM OF 10 WORKING DAYS PRIOR TO INSTALLING TRAFFIC CONTROL DEVICES IN FRONT OF THOSE PROPERTIES. NOTIFICATIONS SHOULD INCLUDE CONTACT PERSONS NAME, TELEPHONE NUMBER, EMAIL ADDRESS, AND MAILING ADDRESS.
- P) THE CONTRACTOR SHALL PATROL THE WORK SITE AT THE BEGINNING AND END OF EACH WORK DAY, AT A MINIMUM, TO ENSURE THAT ALL TRAFFIC CONTROL DEVICES ARE IN PLACE AND FUNCTIONING PROPERLY. CONTRACTOR SHALL ENSURE THAT ALL TRAFFIC CONTROL DEVICES ARE IN PLACE AND FUNCTIONING AT ALL TIMES DURING PERIODS OF CONSTRUCTION INACTIVITY.
- Q) DURING PERIODS OF INACTIVITY OR AT NIGHT, EQUIPMENT SHALL NOT BE PARKED IN SUCH A MANNER AS TO BLOCK SIDEWALKS, TRAFFIC CONTROL DEVICES, OR THE MOTORISTS' VIEW OF TRAFFIC. EQUIPMENT SHALL BE AT LEAST 10 FEET AWAY FROM THE TRAVEL LANE. EQUIPMENT SHALL NOT BLOCK SIDEWALKS AT ANY TIME UNLESS THE SIDEWALK ITSELF IS UNDERGOING CONSTRUCTION.
- R) WHENEVER TRAFFIC MUST BE ROUTED ACROSS THE CENTERLINE DURING CONSTRUCTION ACTIVITY, THE TWO OPPOSING DIRECTIONS MUST BE PHYSICALLY SEPARATED. TRAFFIC CONES CAN BE USED FOR THIS PURPOSE DURING DAYLIGHT HOURS; REFLECTORIZED CONES OR DRUMS MUST BE USED AT NIGHT. TRAFFIC SHALL NOT BE ROUTED ACROSS THE CENTERLINE DURING CONSTRUCTION INACTIVITY UNLESS PAVEMENT MARKING CONFLICTS ARE APPROPRIATELY ADDRESSED AND AGREEMENT ON REMOVAL OR NOT IS WORKED OUT WITH THE ENGINEER IN ACCORDANCE WITH THE SECTION "DURATION OF WORK" OF THE W.A.T.C.H. HANDBOOK. IF THE ENGINEER APPROVES TRAFFIC TO CROSS THE CENTER LINE DURING CONSTRUCTION INACTIVITY, ONLY REFLECTORIZED DRUMS MUST BE USED.
- S) THE CITY ENGINEER OR DIRECTOR OF THE CHARLOTTE DEPARTMENT OF TRANSPORTATION OR NCDOT ENGINEER OR THEIR REPRESENTATIVES ARE AUTHORIZED TO STOP ANY WORK WITHIN PUBLIC RIGHT OF WAY THAT DOES NOT FOLLOW THIS TRAFFIC CONTROL PLAN OR REQUIREMENTS OF THE W.A.T.C.H. AND THE M.U.T.C.D. UNTIL SUCH REQUIREMENTS ARE MET.
- T) ADJACENT LANES TO CONSTRUCTION ZONES MAY REMAIN OPEN IF LATERAL CLEARANCE BETWEEN EDGE OF TRAVEL LANE AND EQUIPMENT IS EQUAL TO OR GREATER THAN 5 FEET ON NCDOT STREETS OR 2 FEET ON CITY STREETS (INCLUDING WIDTH OF DRUM). IF A DROPOFF EXISTS WITHIN THE WORK ZONE, CONTRACTOR SHOULD FOLLOW THE SECTION "MISCELLANEOUS CONSIDERATIONS" OF THE W.A.T.C.H. HANDBOOK PERTAINING TO ADJACENT LANE CLOSURES DUE TO DROPOFFS.
- U) THE CONTRACTOR SHALL FOLLOW THE PHASING AS DESCRIBED HEREIN. THE CONTRACTOR SHALL COMPLETE THE REQUIREMENTS OF EACH CONSTRUCTION PHASE IN SEQUENCE. WHEN A CONSTRUCTION PHASE IS DIVIDED INTO STEPS, THE CONTRACTOR SHALL COMPLETE THE REQUIREMENTS OF EACH STEP IN SEQUENCE UNLESS OTHERWISE SPECIFIED IN THE PLAN OR APPROVED BY THE ENGINEER. (EXAMPLE: THE REQUIREMENTS OF PHASE I SHALL BE COMPLETED BEFORE PROCEEDING TO PHASE II; THE REQUIREMENTS OF STEP 1 OF PHASE I SHALL BE COMPLETED BEFORE PROCEEDING TO STEP 2 OF PHASE I). ALL WORK DESCRIBED IN THE PROJECT PHASING SHALL BE PERFORMED BY THE CONTRACTOR, EXCEPT WHERE IT IS SPECIFIED FOR CERTAIN WORK TO BE PERFORMED BY OTHERS.
- V) THE CONTRACTOR SHALL NOT BE ALLOWED TO STOP TRAFFIC FOR MORE THAN 5 MINUTES AT A TIME IN ANY ONE DIRECTION.
- W) CONTRACTOR SHALL NOT BE ALLOWED TO WORK ON BOTH SIDES OF THE ROAD SIMULTANEOUSLY WITHIN THE SAME AREA EXCEPT WHERE THE ROADWAY IS DIVIDED BY A RAISED MEDIAN AND PEDESTRIAN TRAFFIC IS MAINTAINED ON AT LEAST ONE SIDE UNIMPEDED. IT WILL BE ACCEPTABLE TO CONSTRUCT BORE PITS ON EACH SIDE OF A ROADWAY FOR BORING UTILITIES UNDER THE ROADWAY UNLESS SUPERCEDED BY ENGINEER TO COMPLY WITH PEDESTRIAN REQUIREMENTS OR LATERAL CLEARANCE FROM TRAVEL LANES.
- X) THE CONTRACTOR SHALL PAY SPECIAL ATTENTION TO THE SECTION "PEDESTRIAN CONSIDERATIONS" OF THE W.A.T.C.H. PEDESTRIANS MUST NOT BE REROUTED TO CROSS TO THE OTHER SIDE OF THE ROAD UNLESS THE ENGINEER AGREES THAT THERE IS NO ALTERNATE SAFE ROUTE ON THE SAME SIDE OF THE STREET. THE ALTERNATIVE PEDESTRIAN ROUTE IF APPROVED/USED MUST INCLUDE ACCESSIBILITY AND DETECTABLE FEATURES CONSISTENT WITH THE EXISTING PEDESTRIAN FACILITY.
- Y) THE CONTRACTOR SHALL PAY SPECIAL ATTENTION TO THE SECTION "TEMPORARY TRAFFIC CONTROL ZONE DEVICES" OF THE W.A.T.C.H. NEITHER PORTABLE NOR PERMANENT SIGNS OR SIGN SUPPORT SHOULD OBSTRUCT SIDEWALKS UNLESS THE SIDEWALK ITSELF IS UNDERGOING CONSTRUCTION. A 4' MINIMUM CLEAR PATH MUST BE MAINTAINED WHEN A PORTABLE SIGN IS TO BE PLACED IN THE EXISTING SIDEWALK OTHERWISE, ROAD SIGNS SHOULD BE MOUNTED ON A POST WITH A MINIMUM VERTICAL CLEARANCE OF 7' FROM THE SURFACE OF THE SIDEWALK.

PROJECT NOTES

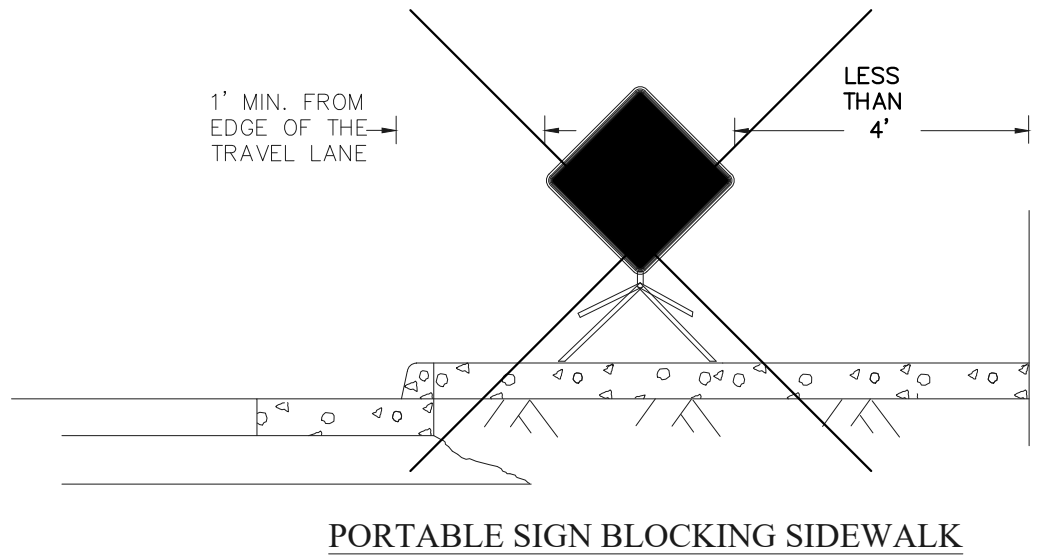
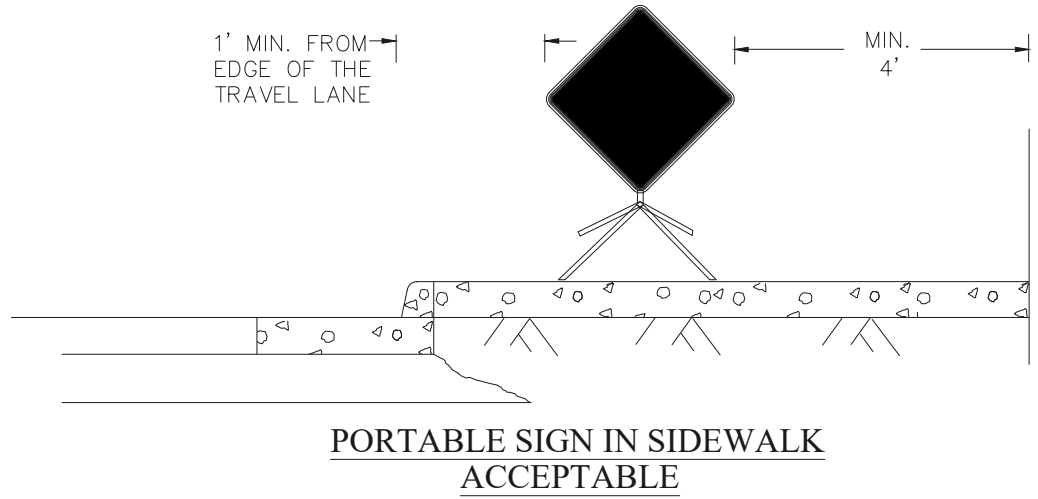
1. CONTRACTOR SHALL PROVIDE AND INSTALL ALL FINAL PAVEMENT MARKINGS AND SHALL PROVIDE AND INSTALL ALL FINAL SIGNAGE.
2. CONTRACTOR SHALL ONLY WORK ON ONE CORNER OF AN INTERSECTION AT A TIME.
3. DURING THE HOURS OF 7:00 AM-9:00 AM AND 4:00 PM-6:00 PM MONDAY THRU FRIDAY CONSTRUCTION OR MAINTENANCE WORK WHICH INVOLVES CLOSURE OF A TRAVEL LANE ON CITY STREETS WILL NOT BE ALLOWED. DURING THE HOURS OF 6:00 AM - 9:00 AM AND 4:00 PM TO 8:00 PM MONDAY THRU FRIDAY CONSTRUCTION MAINTENANCE WORK WHICH INVOLVES CLOSURE OF A TRAVEL LANE ON NCDOT STREETS WILL NOT BE ALLOWED EXCEPT FOR EMERGENCY SITUATIONS OR WITH APPROVAL FROM CDOT.
4. THE CONTRACTOR SHALL LIMIT CONSTRUCTION TO ONE STREET AT A TIME, UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER. THE CONTRACTOR SHALL LIMIT CONSTRUCTION TO ONE BLOCK EACH DAY IN ORDER TO DECREASE THE AMOUNT OF BACKFILL.
5. CONTRACTOR SHALL COORDINATE WITH (SCHOOL NAME) REGARDING PICKUP AND DROP OFF TIMES. NO LANE CLOSURES DURING PICKUP AND DROP OFF HOURS.

CONSTRUCTION PHASING

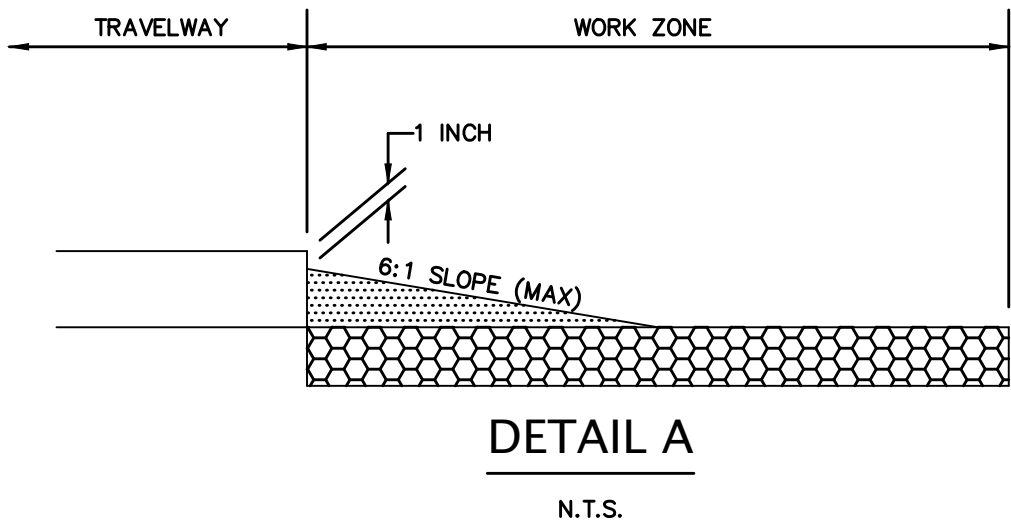
PHASE I: THE CONTRACTOR SHALL PLACE ALL CONSTRUCTION WARNING SIGNS ONE WEEK PRIOR TO THE BEGINNING OF WORK. THE APPROACH WARNING SIGNS SHALL BE PLACED ON ALLEGHANY STREET AND ASHLEY ROAD AND SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED.

PHASE II: THE CONTRACTOR SHALL CONSTRUCT ALL IMPROVEMENTS USING DIAGRAM 2, 3, 4, AND 6 OF THE WATCH HANDBOOK.

PHASE III: THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES AND SIGNS AND OPEN ALL LANES OF TRAFFIC AT SUBSTANTIAL COMPLETION OF CONSTRUCTION.



ALTERNATIVE OPTION IS TO PLACE SIGN BEHIND SIDEWALK WHEN POSSIBLE. OTHERWISE, MAY NEED TO POST MOUNT SIGN WITH 7' MINIMUM VERTICAL CLEARANCE FROM SIDEWALK SURFACE



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CITY OF CHARLOTTE
GENERAL SERVICES

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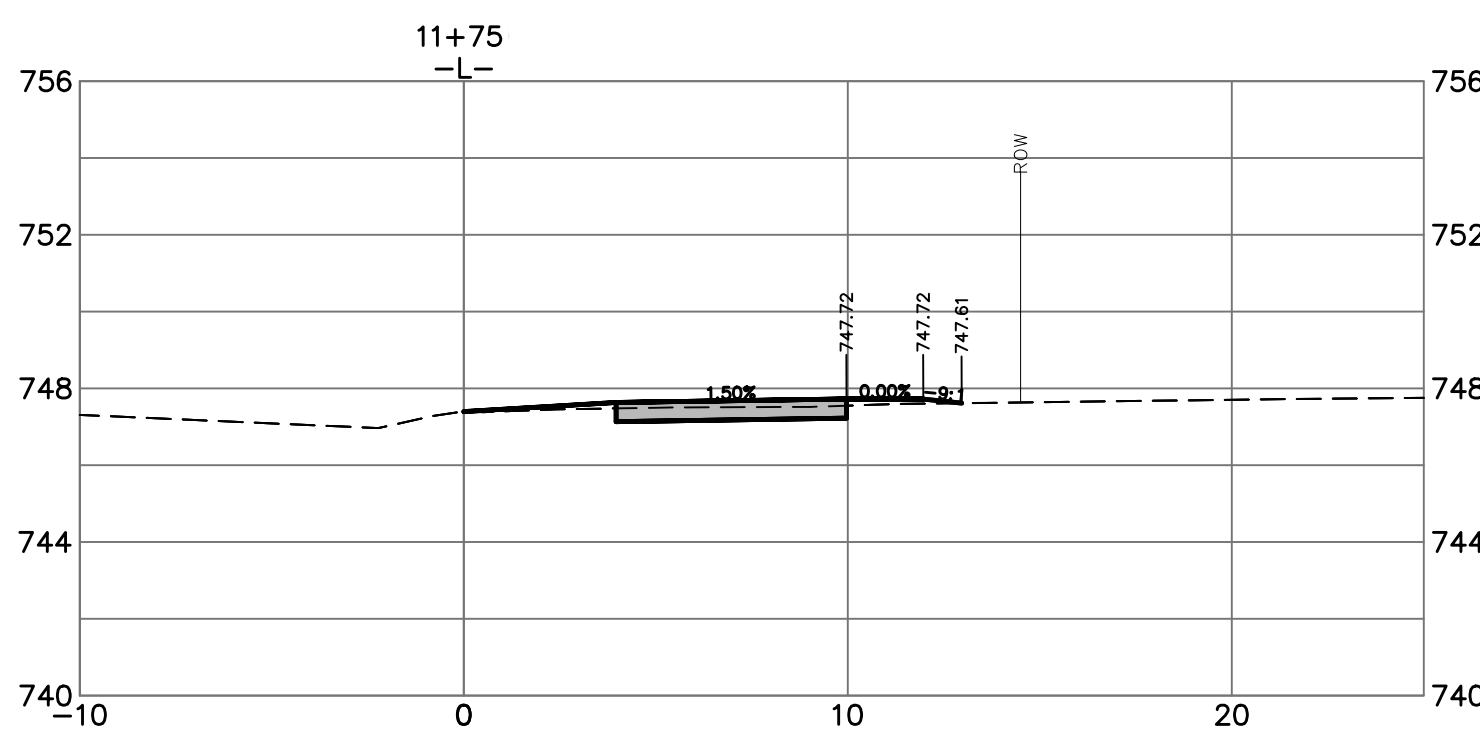
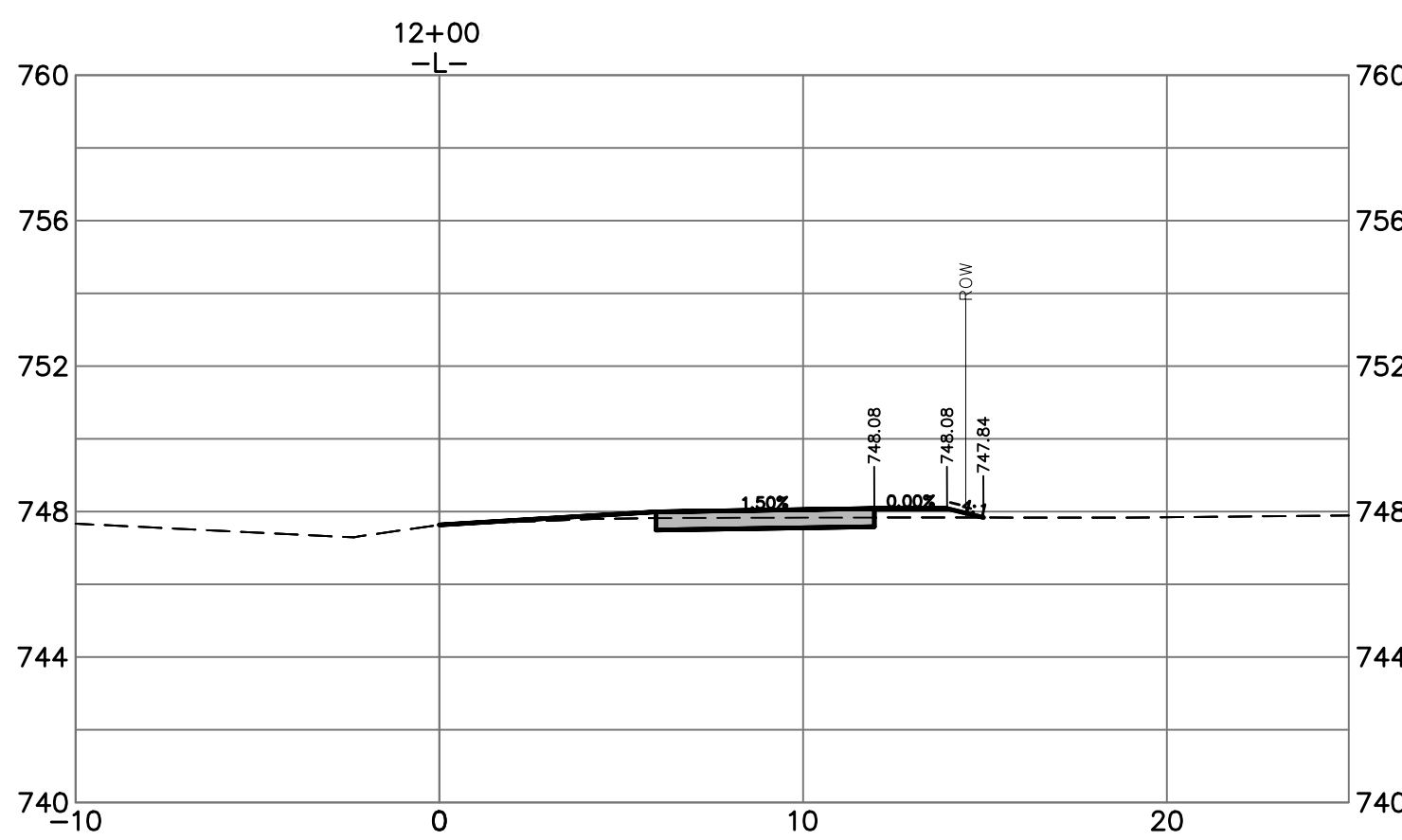
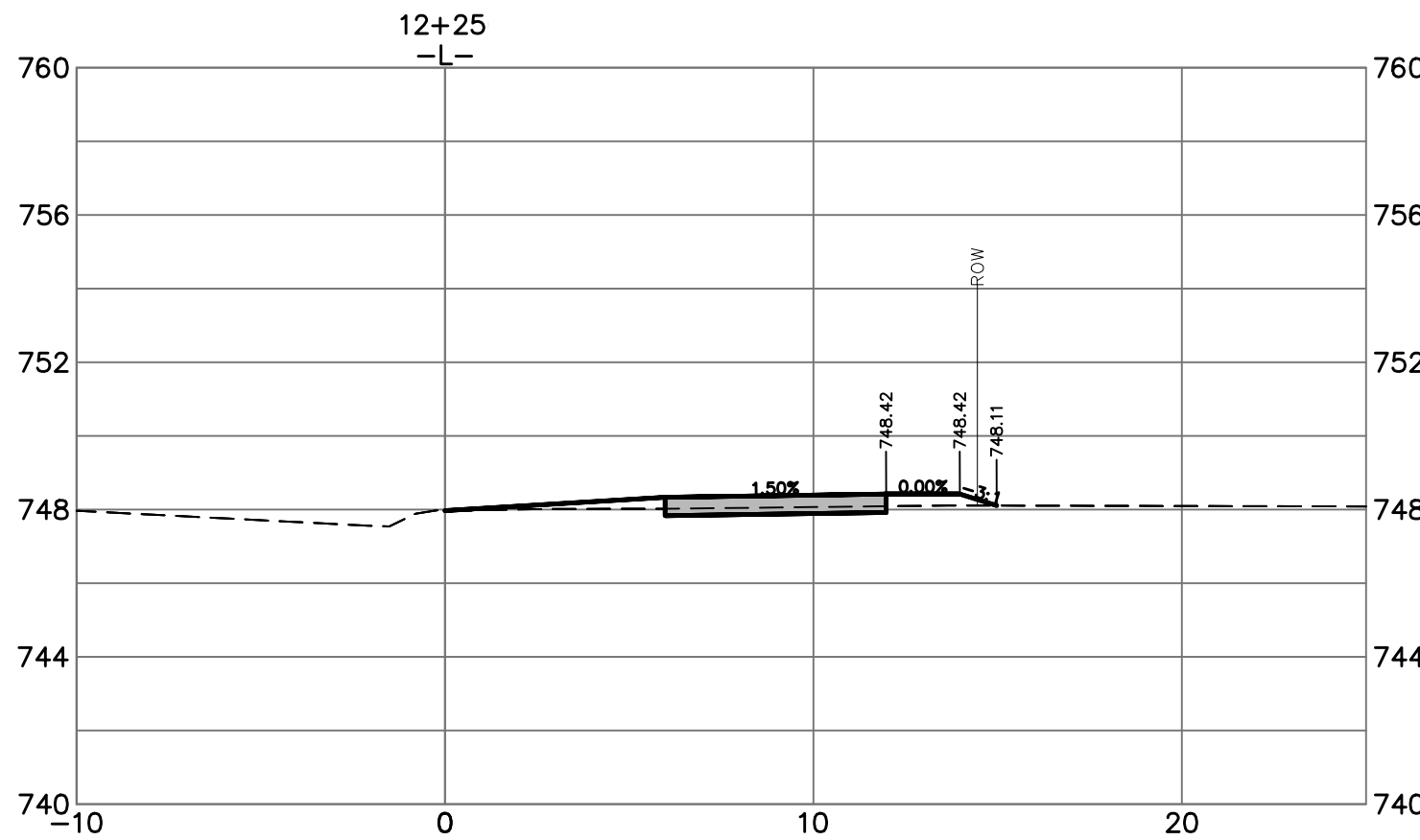
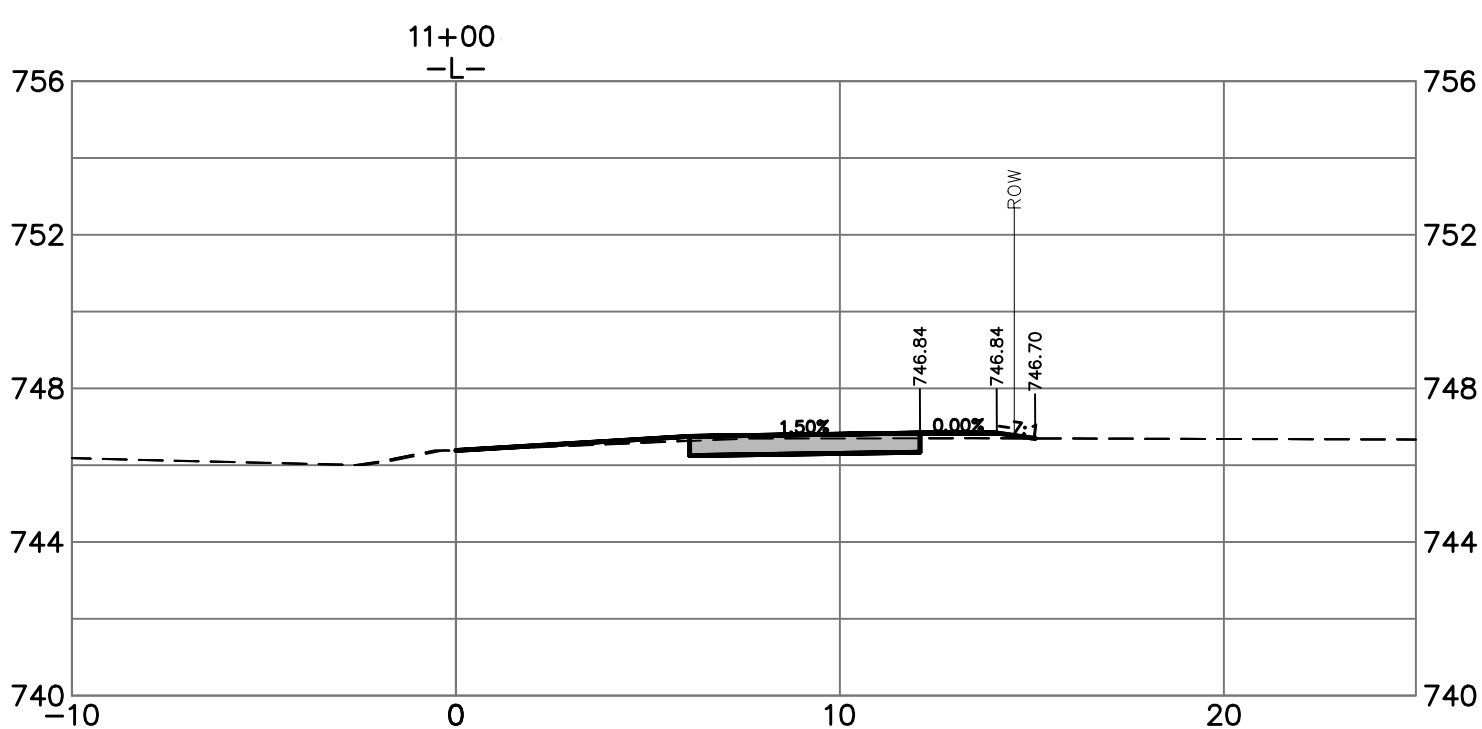
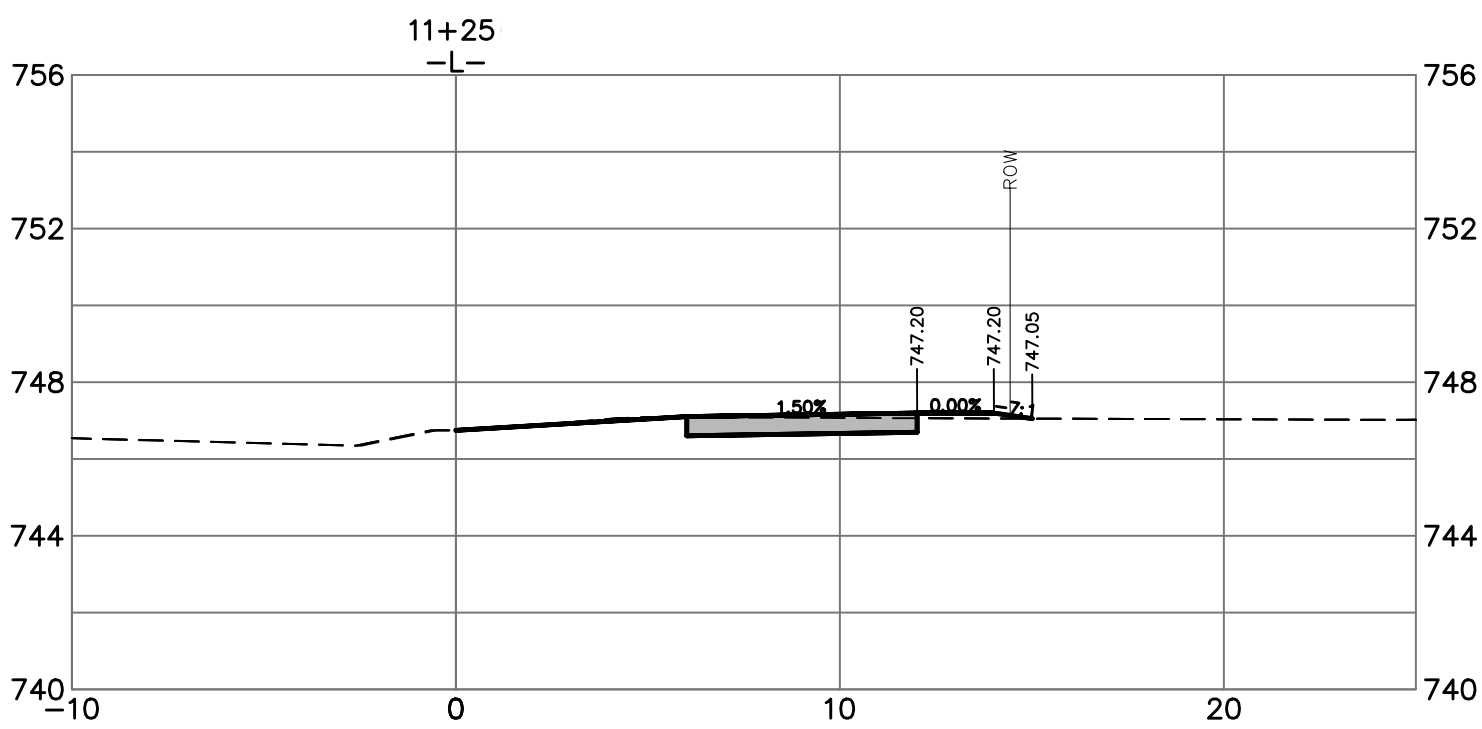
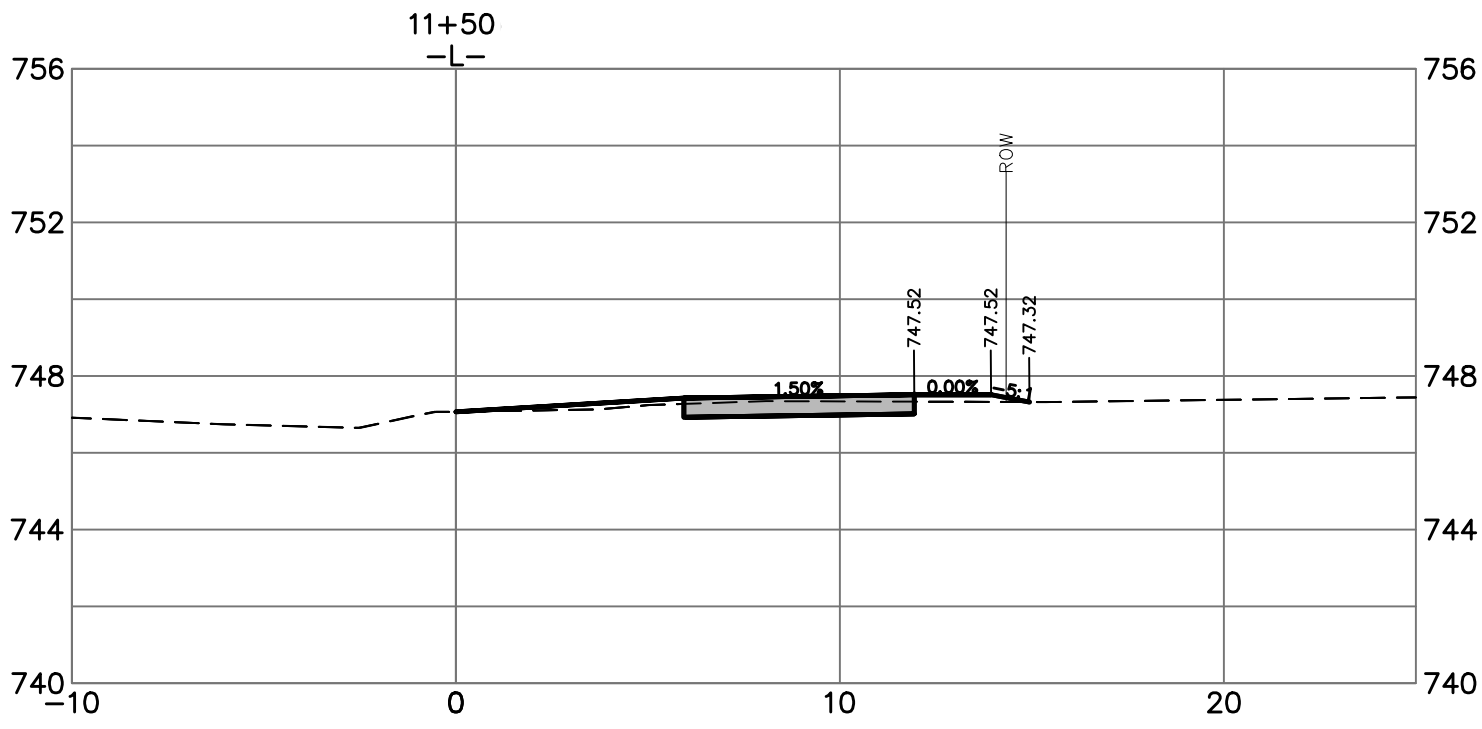
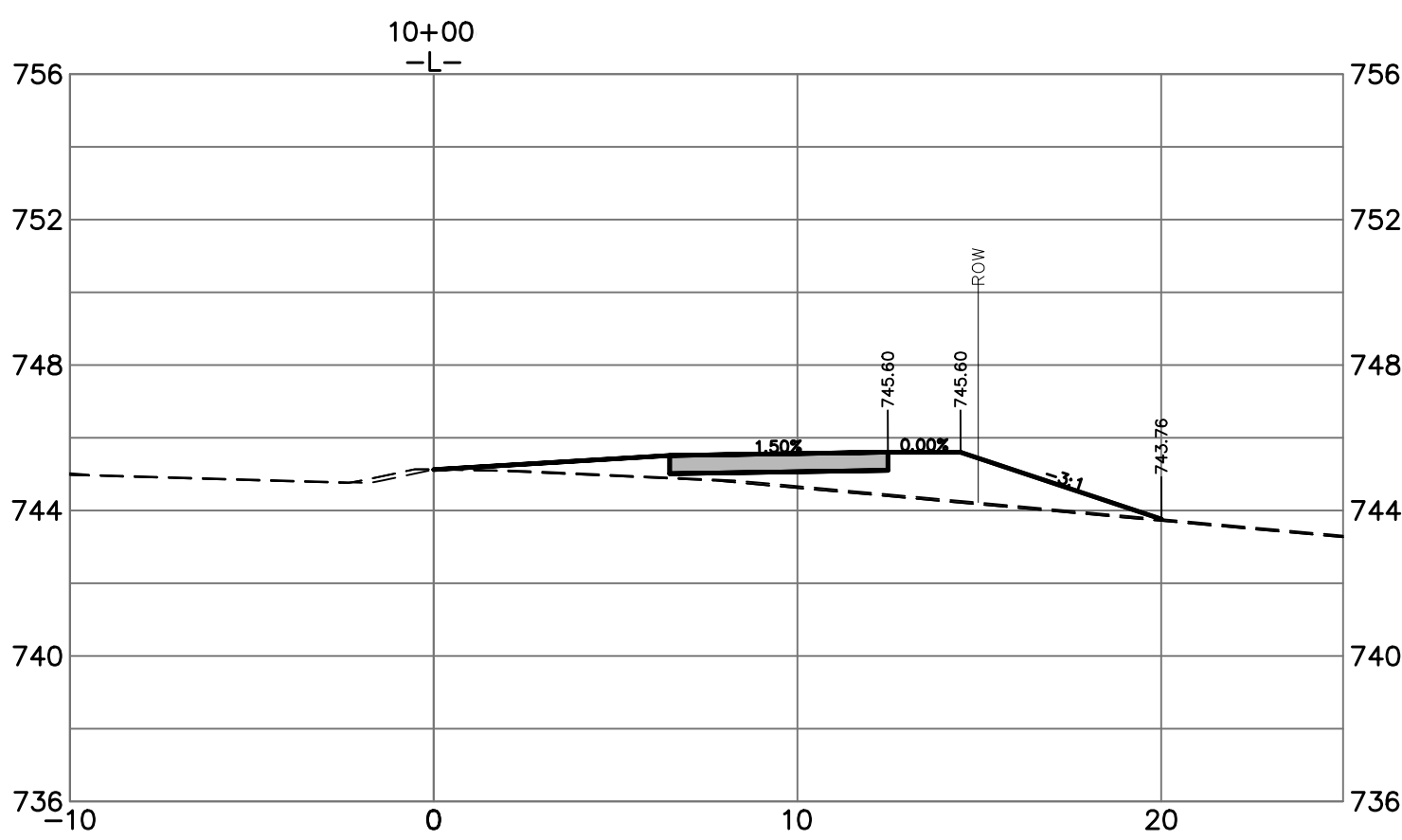
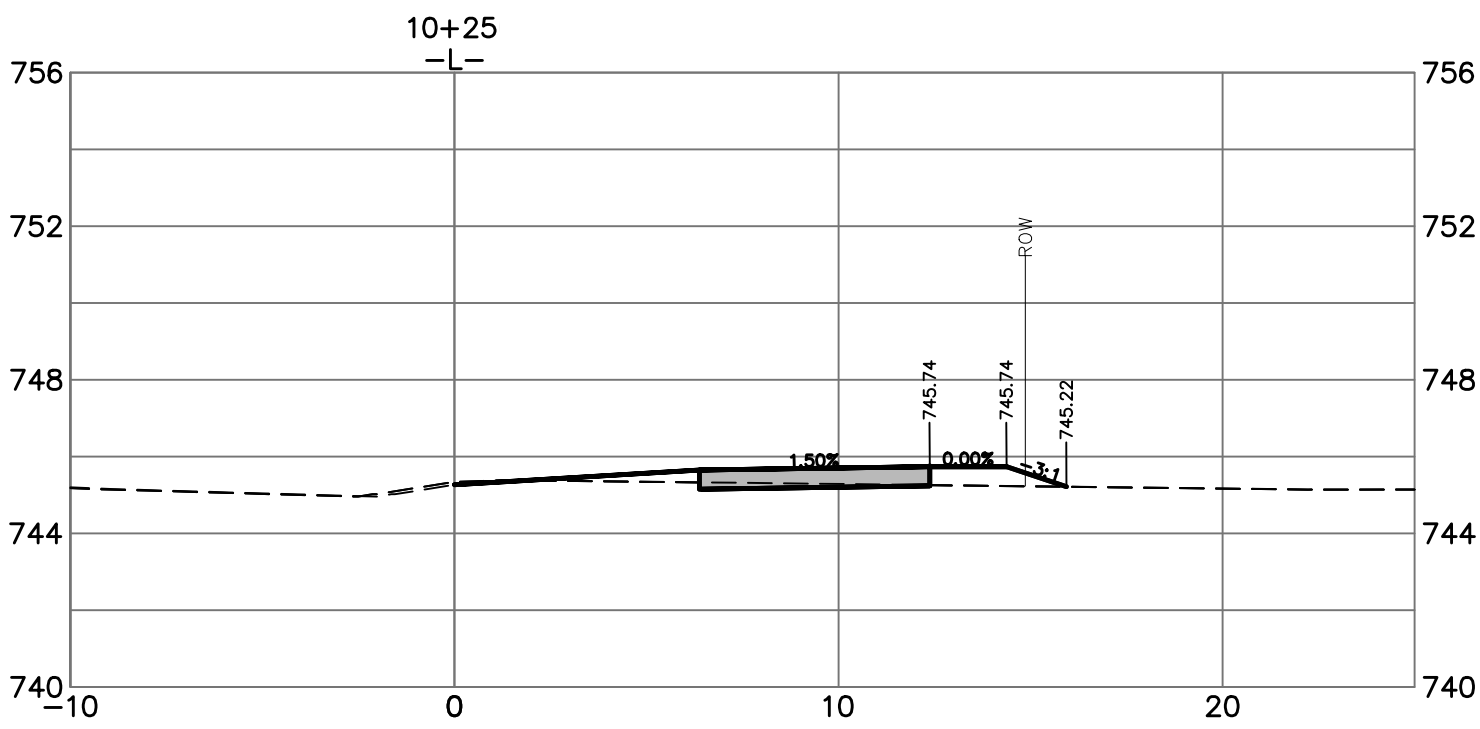
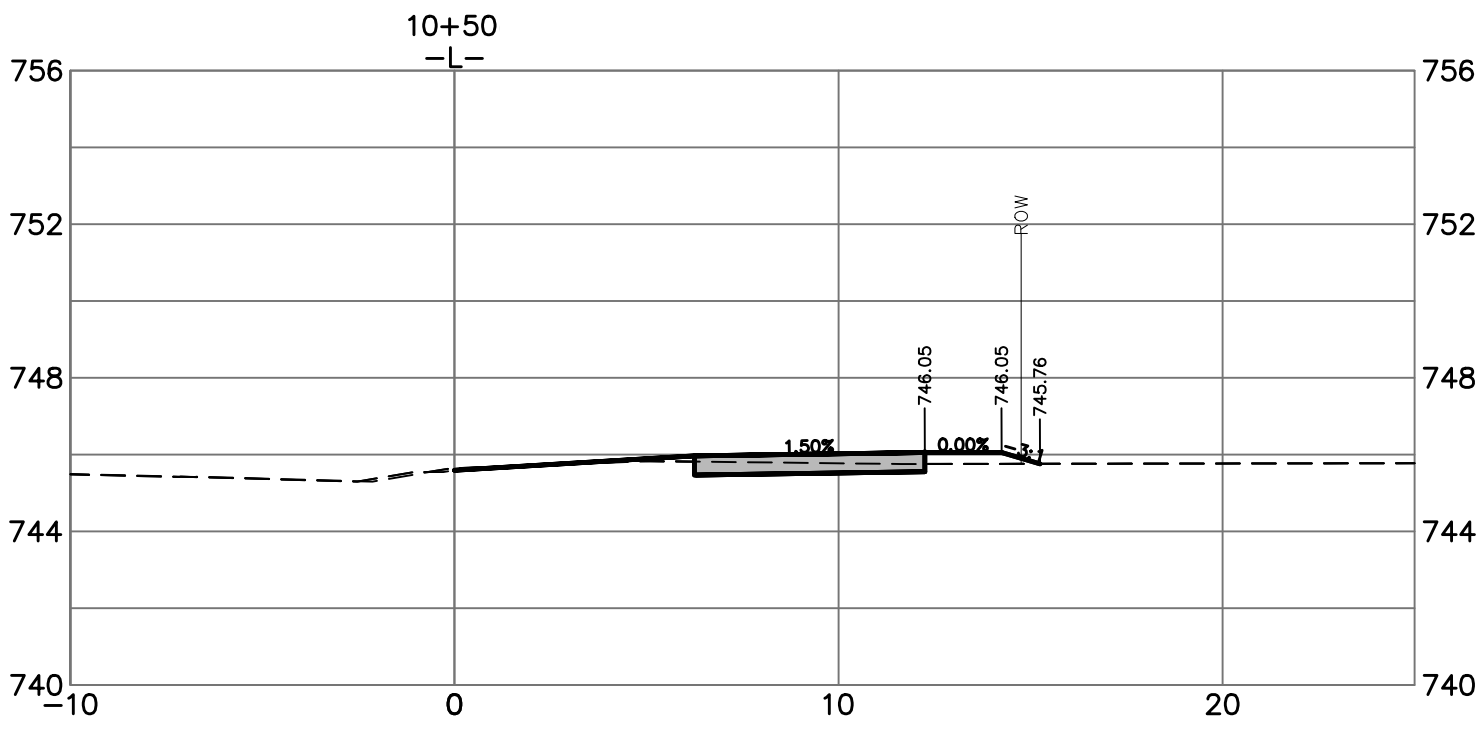
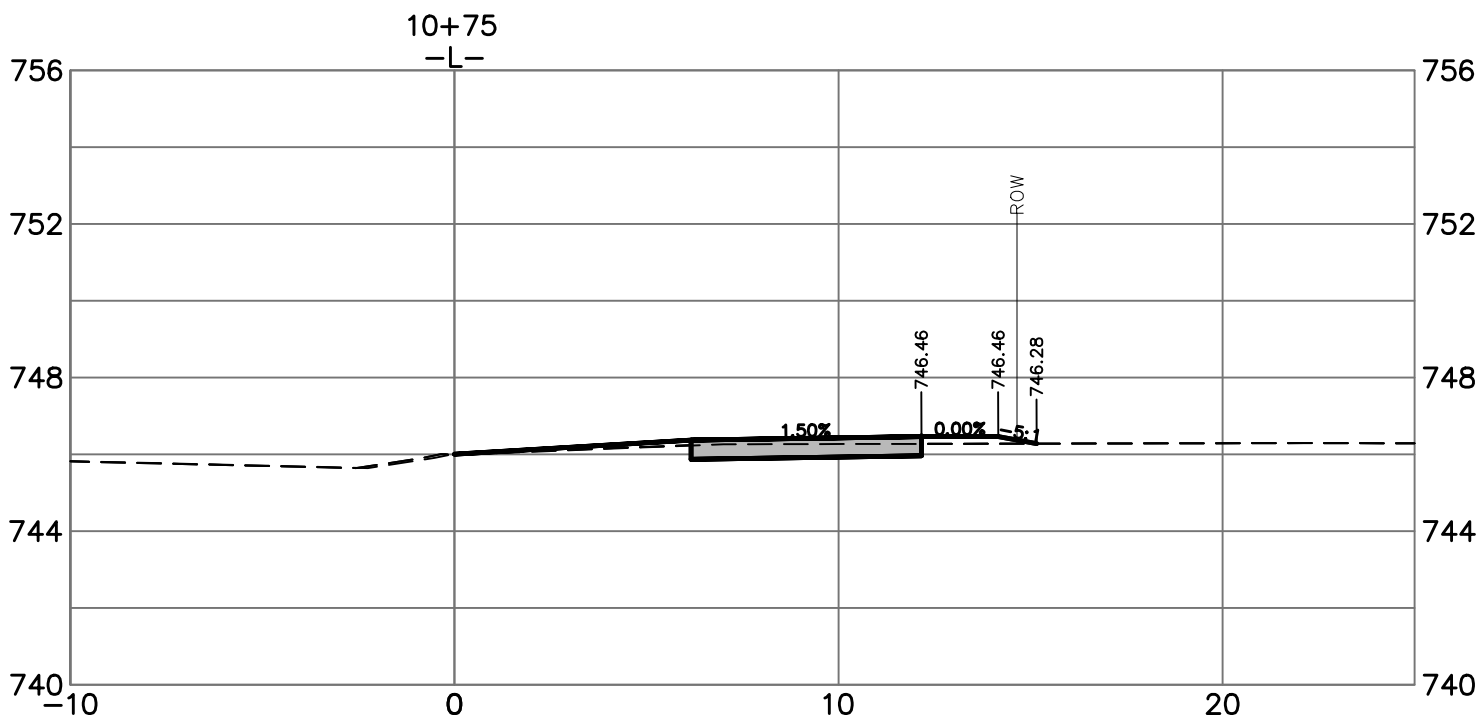
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PROFESSIONAL SEAL
055472
ENGINEER
ERIC KOEHLER

DocuSigned by:
Eric Koehler
CARLOSREABRADO
04/02/2024

N.T.S. SCALE	ACB CHECKED BY	MARCH 2024 DATE
PMES231773 JOB NO.	ERK PREPARED BY	ACB APPROVED BY

SHEET TCP1	OF TCP1	ALLEGHANY SIDEWALK GAP	TRAFFIC CONTROL NOTES
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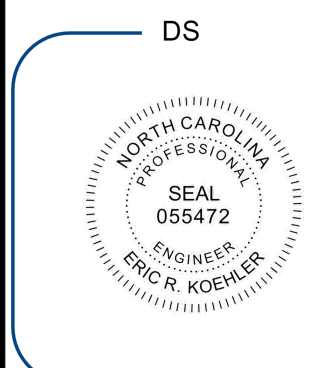
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CITY OF CHARLOTTE
GENERAL SERVICES

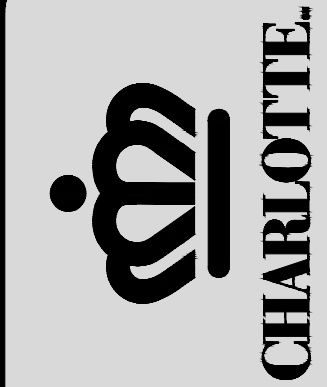
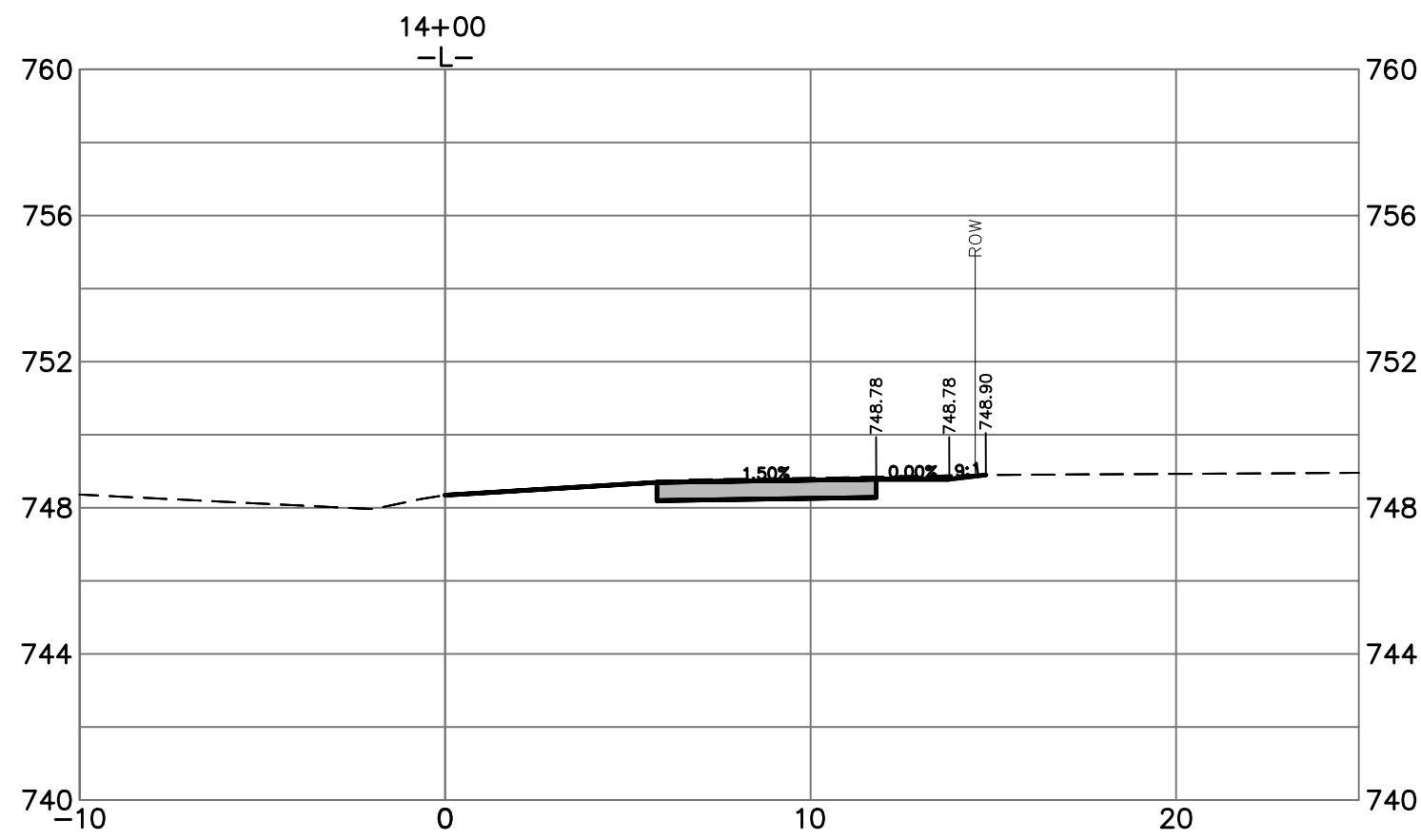
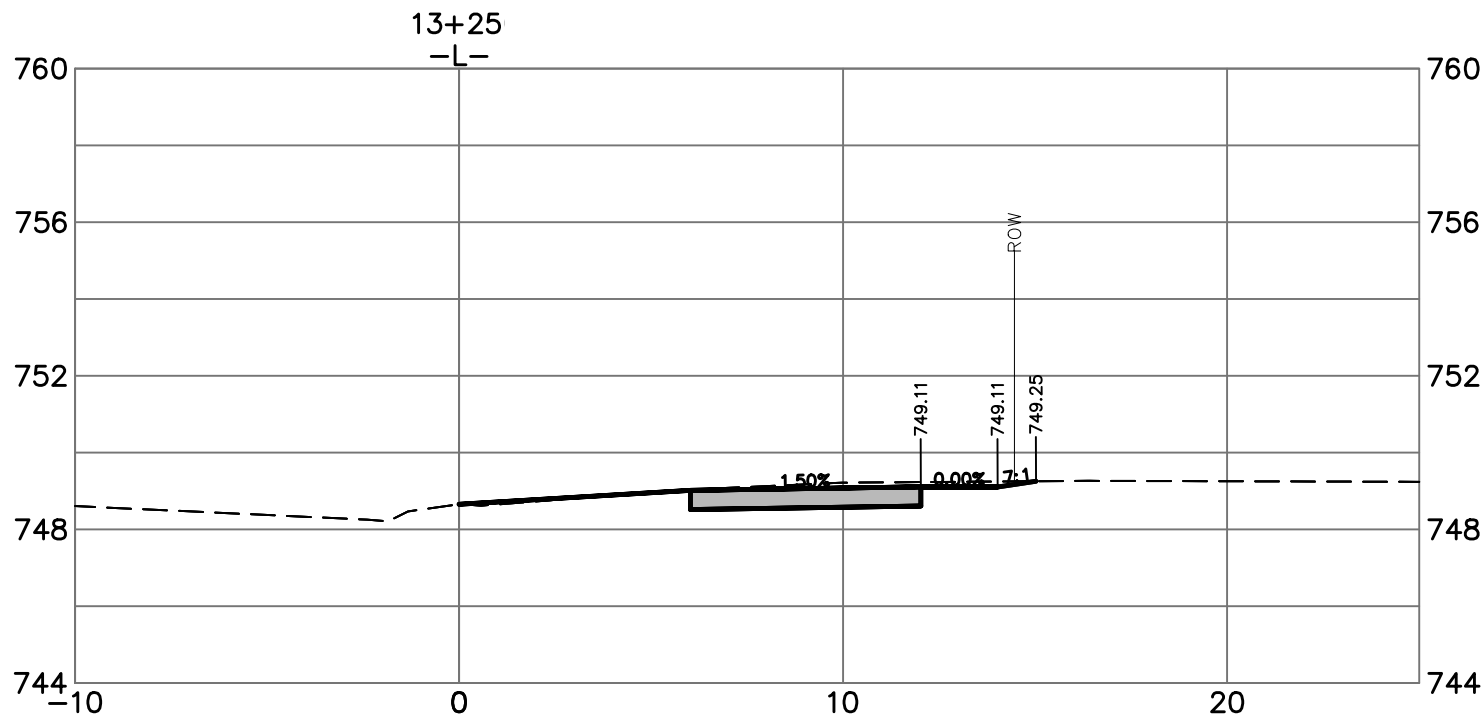
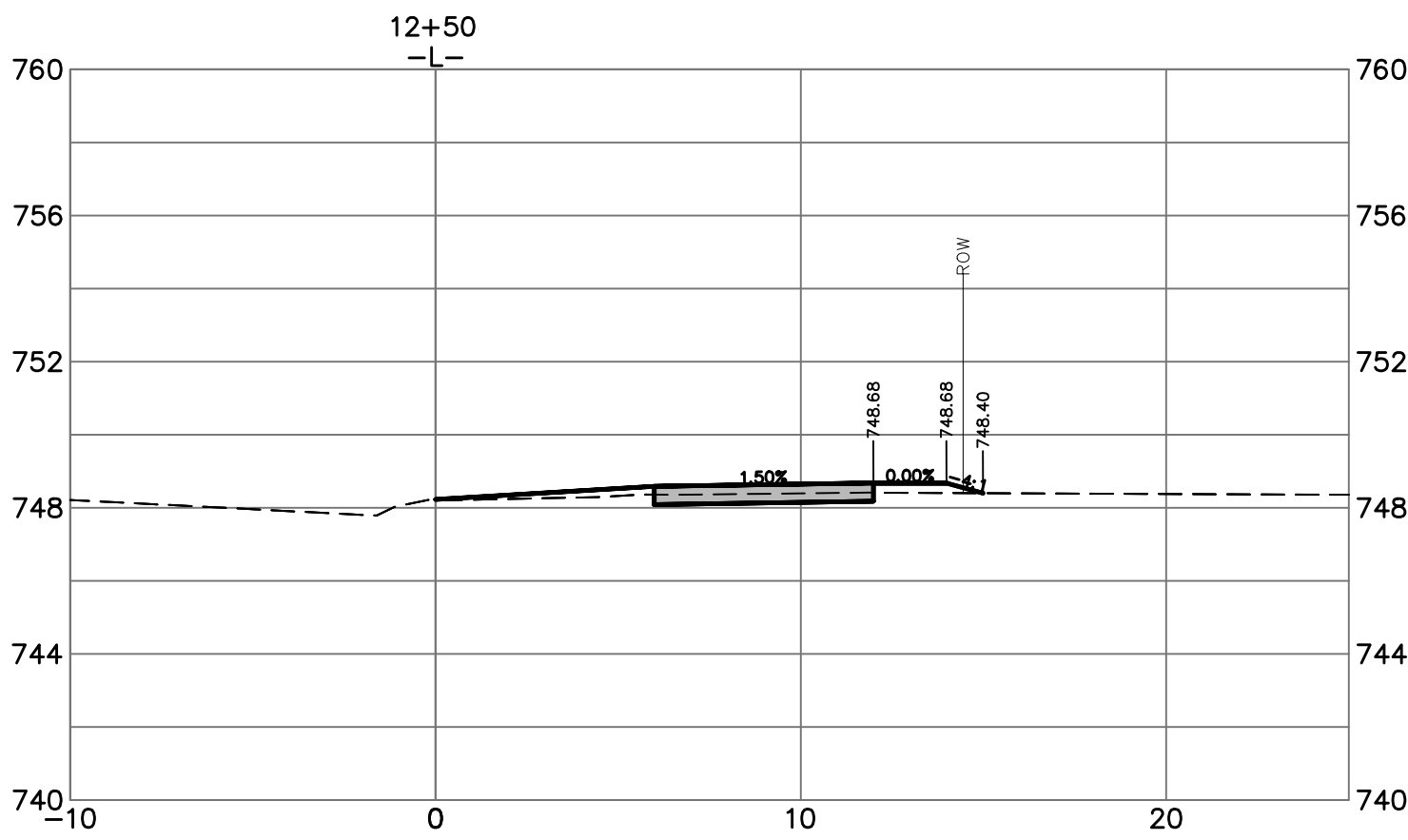
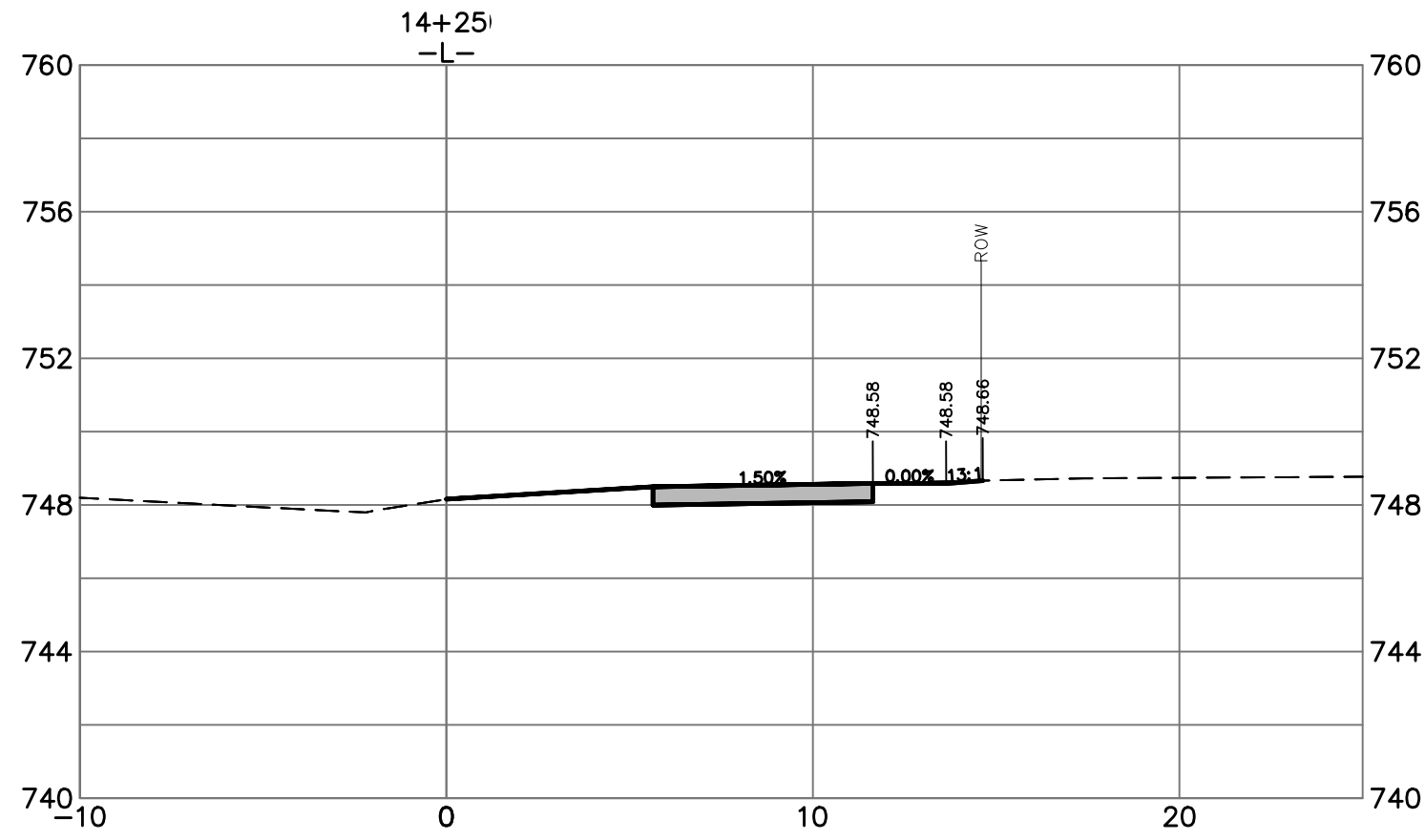
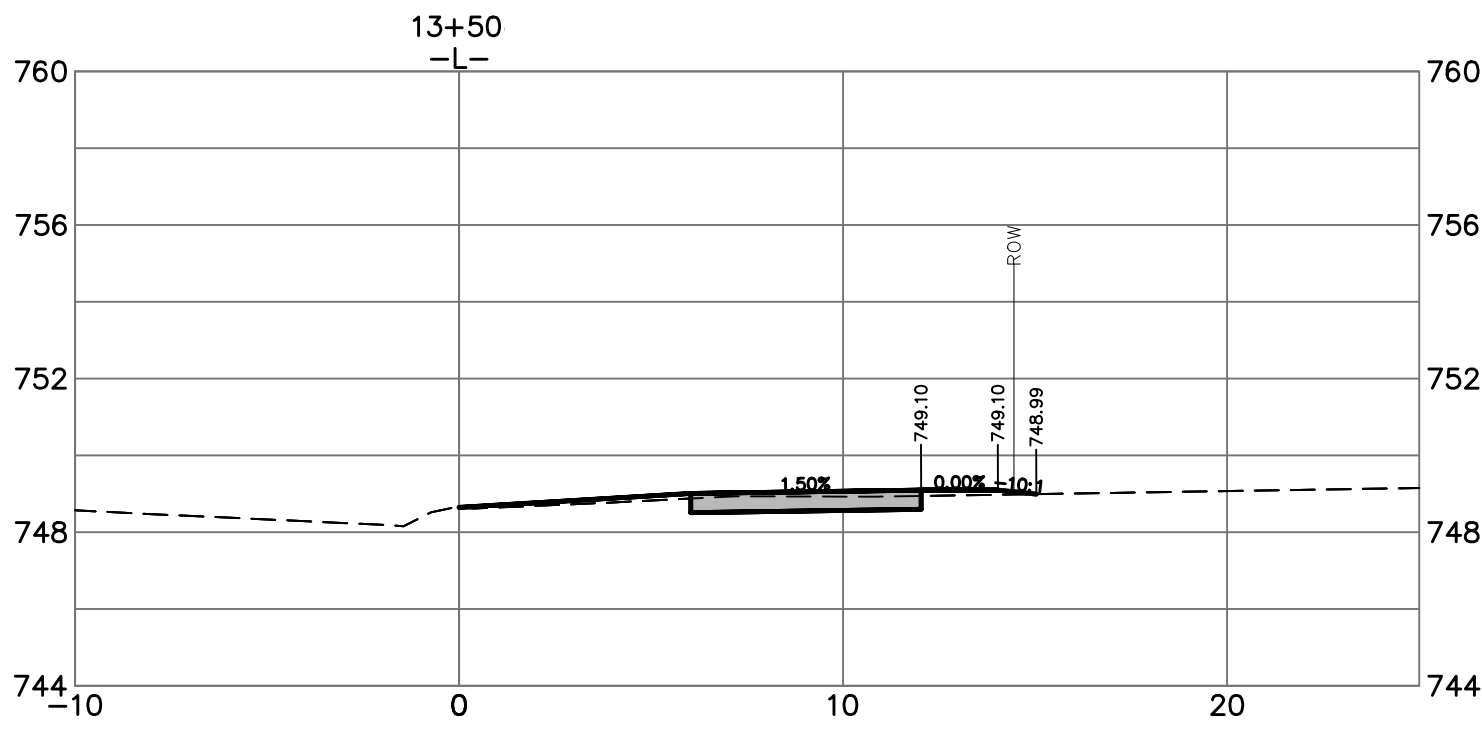
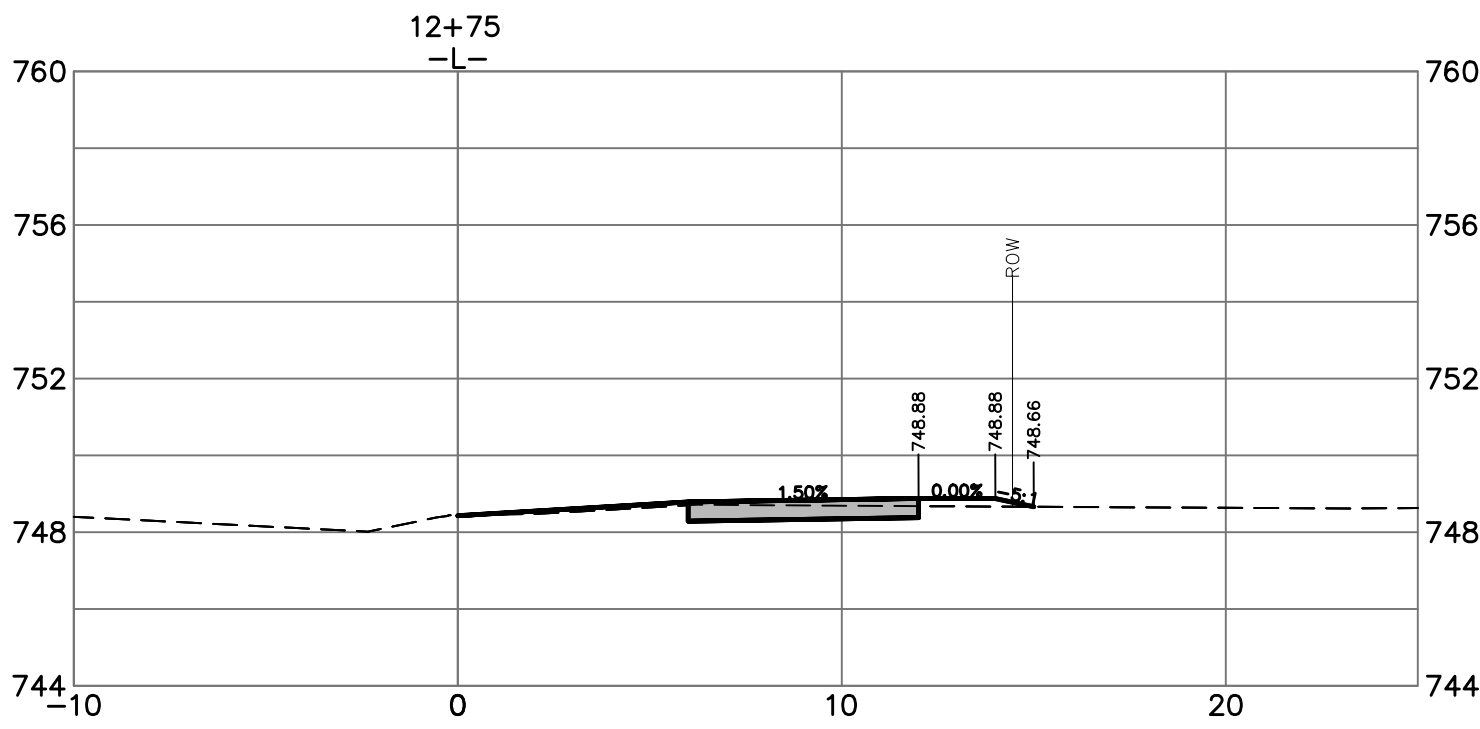
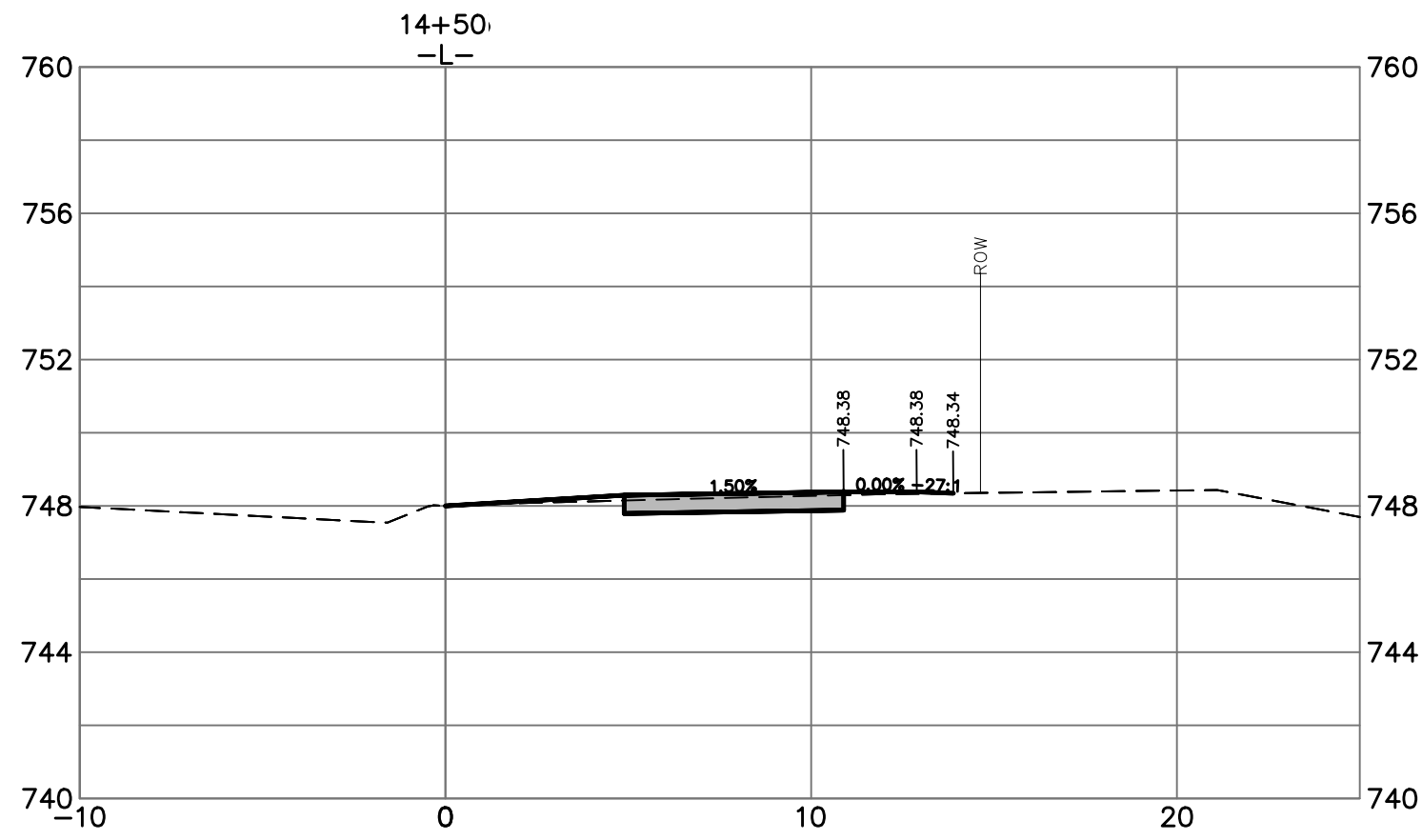
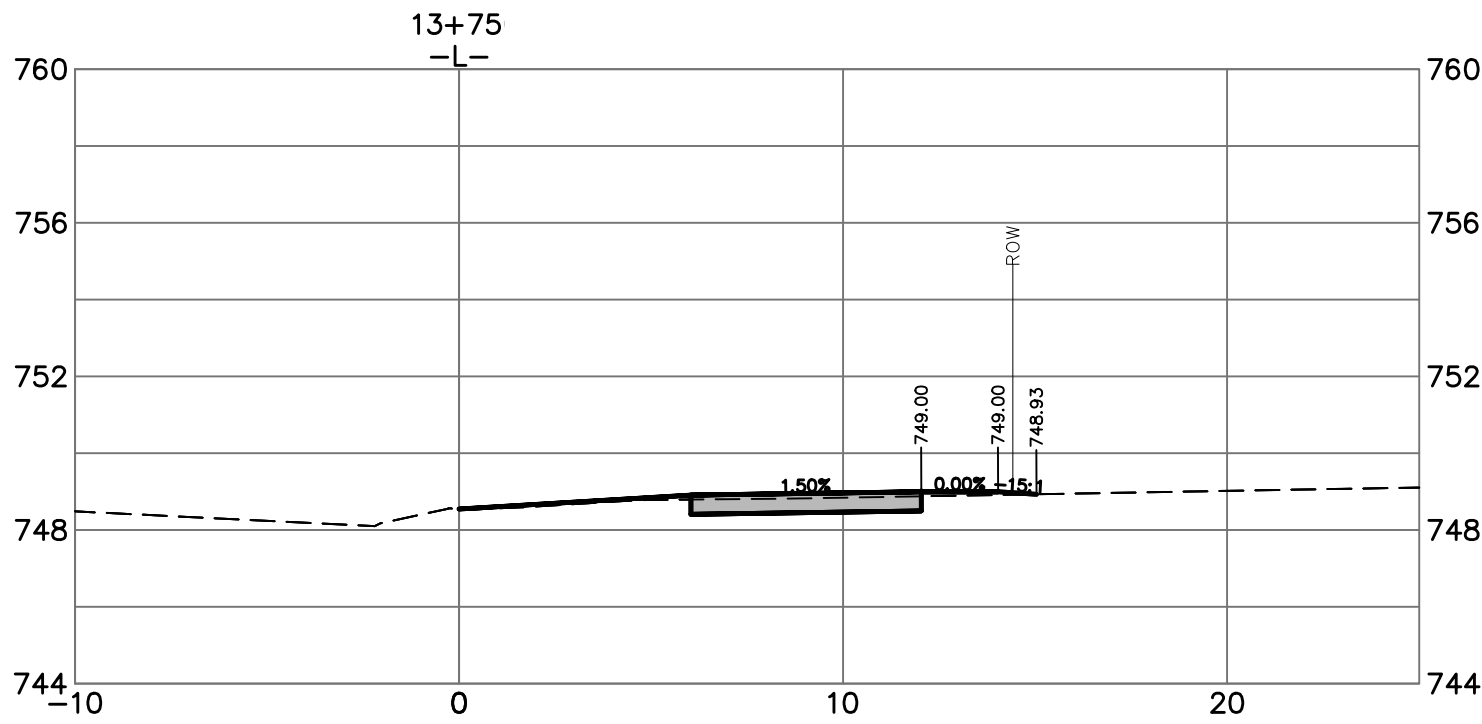
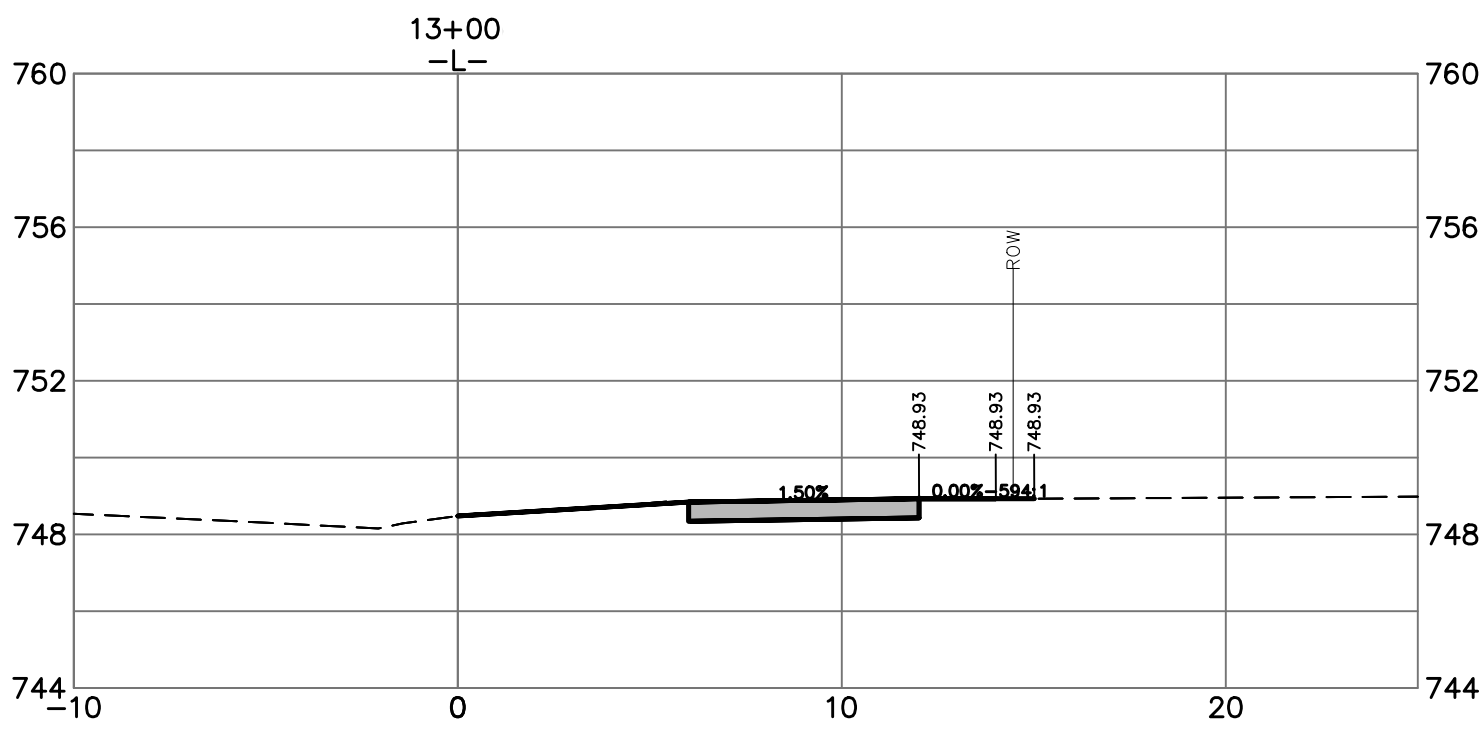
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Eric Koehler
CAROLYNB@BROAD...
04/02/2024

1"=5'	SCALE	ACB	CHECKED BY	MARCH 2024	DATE
PMES231773	JOB NO.	ERK	PREPARED BY	ACB	APPROVED BY

ALLEGHANY SIDEWALK GAP	CROSS SECTIONS STA: 10+00 - 12+25
SHEET X1	OF X3



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CITY OF CHARLOTTE
GENERAL SERVICES

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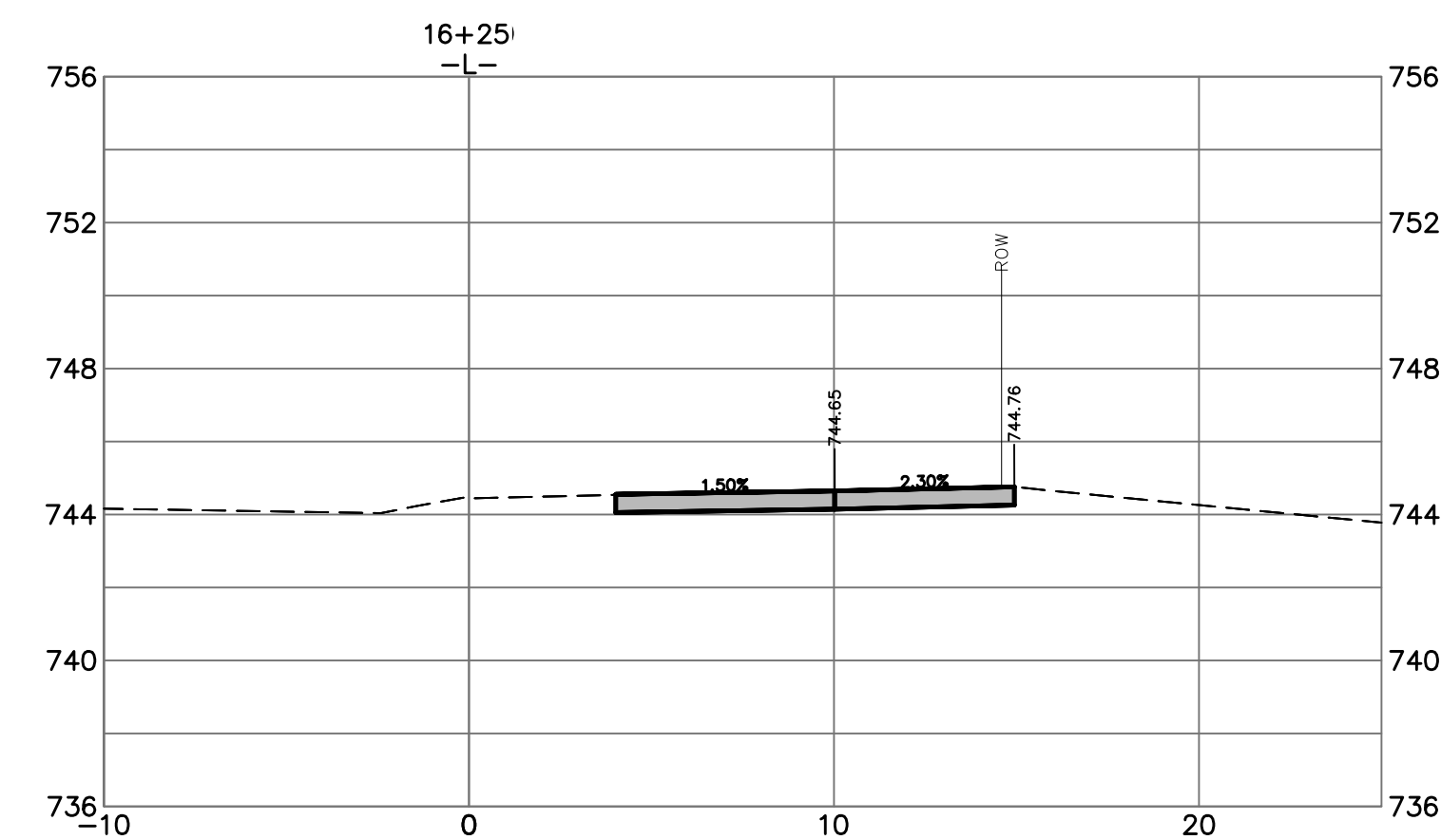
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PROFESSIONAL SEAL
055472
ENGINEER
ERIC KOEHLER

DocuSigned by:
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CARLOS@BRIARROAD.COM
04/02/2024

1"=5' SCALE	ACB CHECKED BY	MARCH 2024 DATE
PMES231773 JOB NO.	ERK PREPARED BY	ACB APPROVED BY

SHEET X2	ALLEGHANY SIDEWALK GAP
OF X3	CROSS SECTIONS STA: 12+50 - 14+50



SHEET X3	OF X3	ALLEGHANY SIDEWALK GAP CROSS SECTIONS STA: 14+75 - 16+25	PM5231773 JOB NO.	1"=5' SCALE	<div> <div>  <p>DocuSign by: <i>Eric Koehler</i> C04CT02056-0040... 04/02/2024</p> </div> <div> <p>DS</p> </div> </div>	<div> <div>  <p>Plans Prepared By:</p> </div> <div> <p>600 East Fourth Street Charlotte, North Carolina 28202 Phone: (704) 336-4586 Fax: (704) 336-4586</p> </div> </div>	 <p>CITY OF CHARLOTTE</p>	
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			ACG APPROVED BY					