

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER GOVERNOR J. ERIC BOYETTE Secretary

January 07, 2022

Addendum No. 1

RE: Contract # C204542 WBS # 47133.3.1 STATE FUNDED Nash County (U-5996) SR-1603 (N CARRIAGE RD) FROM NORTH OF SR-1770 (EASTERN AVE/ SUNSET AVE) TO SR-1601 (REGES STORE RD)

January 18, 2022 Letting

To Whom It May Concern:

Reference is made to the plans furnished to you on this project.

The following revisions have been made to the Utility Construction plans.

Sheet No.	Revision
UC-2	Revised to clarify type of acceptable joints under 4) PRODUCTS

Please void the above listed Sheet in your plans and staple the revised Sheet thereto.

The contract will be prepared accordingly.

Sincerely,

DocuSigned by: Ronald E. Davenport, Jr.

Ronald E. Davenport, Jr., PE State Contract Officer

RED/jjr Attachments

Telephone: (919) 707-6900 Fax: (919) 250-4127 Customer Service: 1-877-368-4968 Location: 1020 BIRCH RIDGE DR. RALEIGH, NC 27610

Website: www.ncdot.gov

- cc: Mr. Lamar Sylvester, PE Mr. Kevin Bowen, PE Mr. Boyd Tharrington, PE Mr. Jon Weathersbee, PE Mr. Ken Kennedy, PE Project File (2)
- Mr. Forrest Dungan, PE Ms. Jaci Kincaid Mr. Kyle Kempf Mr. Mike Gwyn Ms. Penny Higgins Ms. Lori Strickland



 \square

EXCAVATE TRENCH TO A WIDTH THAT WILL PROVIDE ADEQUATE WORKING SPACE BUT IN NO CASE SHALL THE HARD-SURFACED, TRAVELED PORTION OF ROADWAY BE DAMAGED. WHERE THE STRUCTURAL INTEGRITY OF THE ROADWAY PAVEMENT IS JEOPARDIZED, PROPER SHEETING AND BRACING SHALL BE INSTALLED TO PROVIDE ADEQUATE PROTECTION TO ADJACENT ROADWAY AND STRUCTURES, AND TO AFFORD THE NECESSARY PROTECTION

2. EXCAVATED MATERIAL SHALL NOT BE STORED ON THE PAVEMENT IF IT CAN BE REASONABLY HANDLED OTHERWISE IN CASES WHERE STORING OF EXCAVATED MATERIAL ON PAVEMENT IS ABSOLUTELY NECESSARY, SAME SHALL BE 3. EXCAVATION IN THE IMMEDIATE VICINITY OF DRAINAGE STRUCTURES SHALL BE MADE WITH SPECIAL CARE SO AS

4. DRAINAGE FACILITIES THAT ARE INADVERTENTLY DAMAGED MUST BE REPAIRED OR REPLACED IMMEDIATELY. 5. PARALLEL OPEN TRENCH INSTALLATIONS THAT INVOLVE POSSIBLE DAMAGE IN THE EVENT OF RAIN OR OTHER WEATHER EVENTS, OR WHICH MAY BE HAZARDOUS TO TRAFFIC DUE TO OPEN TRENCH, SHOULD BE CLOSED WITHOUT UNDUE DELAY. IN NO CASE SHOULD A TRENCH REMAIN OPEN LONGER THAN A 24- HOUR PERIOD, EXCEPT

1. WHERE IT IS NECESSARY TO OPEN-CUT ASPHALT OR CONCRETE PAVEMENTS SURFACE CUTS SHALL BE MADE WITH A 2. WHERE EXCESSIVE DEPTHS OF PIPE INSTALLATIONS ARE ENCOUNTERED AND THE STRUCTURAL INTEGRITY OF THE

4. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED AND DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY IN SUCH A MANNER AS NOT TO INTERFERE WITH THE DRAINAGE OF THE ROADWAY UNLESS OTHERWISE PERMITTED OR DIRECTED BY THE DIRECTOR OF ENGINEERING OR HIS REPRESENTATIVE 5. COMPACTION TEST(S) FOR OPEN-CUT CROSSINGS MAY BE REQUIRED AT THE DISCRETION OF THE DIRECTOR OF ENGINEERING IN ADDITION TO ANY SUPPLEMENTAL OR MORE STRINGENT TESTING REQUIREMENTS SPECIFIED IN THE APPROVED NORTH CAROLINA DEPARTMENT OF TRANSPORTATION ENCROACHMENT AGREEMENT. ALL GEOTECHNICAL TESTING REQUIRED AS SPECIFIED ABOVE TO MEET THE COMPACTION REQUIREMENTS WITHIN SECTION 15 05 00 SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, THE COST OF WHICH SHALL BE INCLUDED IN

a) THE PIPE FOUNDATION SHALL BE TRUE TO LINE AND GRADE AND UNIFORMLY FIRM. WHERE BELL AND SPIGOT

b) WHERE THE FOUNDATION MATERIAL IS FOUND TO BE OF POOR SUPPORTING VALUE OR OF ROCK, THE DIRECTOR OF ENGINEERING MAY MAKE MINOR ADJUSTMENT IN THE LOCATION OF THE PIPE TO PROVIDE A MORE SUITABLE

ENGINEERING TO STABILIZE THE TRENCH BOTTOM BY UNDERCUTTING AND INSTALLING: (A) SOIL STABILIZATION WOVEN FABRIC; AND (B) NCDOT CLASS VI STONE (CLEAN #57) OR (C) APPROVED SELECT OR BORROW MATERIAL AND COMPACTING TO A MINIMUM DENSITY OF NINETY (90%) AS DIRECTED BY THE DIRECTOR OF ENGINEERING. COMPENSATION FOR THE UNDERCUT WILL BE INCLUDED IN THE COST OF THE FOUNDATION MATERIAL FURNISHED.

a) IN SUCH CASE AS A STONE BEDDING AS SPECIFIED IS USED, A SUFFICIENT DEPTH (MINIMUM SIX (6) INCHES, MAXIMUM EIGHT (8) INCHES) OF THE MATERIAL SHALL BE PLACED IN THE TRENCH BOTTOM OF PIPE TO BE INSTALLED. FOR DEPTHS GREATER THAN SIXTEEN FEET (16') THE ENGINEER SHALL DIRECT THE DEPTH OF BEDDING. b) IN ORDER TO ENSURE THAT ADEQUATE AND UNIFORM SUPPORT IS PROVIDED ALONG THE ENTIRE LENGTH OF PIPE, THE CONTRACTOR SHALL CAREFULLY BRING THE BEDDING MATERIAL TO GRADE ALONG THE ENTIRE LENGTH OF PIPE PRIOR TO INSTALLATION. MATERIAL USED FOR THE FORMATION OF THE PIPE BEDDING AND HAUNCH SHALL BE CAREFULLY PLACED BY HAND SHOVELING TO ENSURE THAT SUFFICIENT MATERIAL HAS BEEN WORKED UNDER THE PIPE TO FORM THE HAUNCH AND TO ENSURE THAT THE PIPE DOES NOT BECOME DISLODGED DURING BACKFILLING. CONTRACTOR'S WORKMEN SHALL FILL EVENLY ON BOTH SIDES OF THE PIPE TO THE CENTERLINE AND SHALL COMPACT THE FILL USING HAND SHOVELING OR MECHANICAL TAMPS. EXTREME CARE SHALL BE TAKEN

a) AFTER DELIVERY ALONGSIDE THE TRENCH, ALL PIPELINE MATERIAL SHALL BE CAREFULLY EXAMINED FOR BOTH

a) WATER MAIN PIPING SHALL BE INSTALLED IN ACCORDANCE WITH AWWA COOD AND AWWA COOS PIPE SHALL BE INSTALLED ON EVEN GRADES AND STRAIGHT ALIGNMENTS AND ALL JOINTS SHALL BE PROPERLY FITTED. ALL PIPE. FITTINGS AND APPURTENANCES SHALL BE PROPERLY LOWERED INTO THE TRENCH SO AS TO PREVENT DAMAGE TO

b) CLEAN JOINT CONTACT SURFACES IMMEDIATELY PRIOR TO JOINTING. USE LUBRICANTS, PRIMERS, OR ADHESIVES AS RECOMMENDED BY THE PIPE OR JOINT MANUFACTURER. ALL PIPE SHALL BE LAID ON THE PREPARED FOUNDATION BELLEND LIPGRADE WITH FACH JOINT BEING CHECKED FOR PROPER ALIGNMENT AND GRADE AS THE WORK PROCEEDS. EXCAVATE BELL HOLES FOR EACH PIPE JOINT. WHEN JOINTED IN THE TRENCH. THE PIPE SHALL

c) PIPE JOINTING SHALL BE ACCOMPLISHED ACCORDING TO MANUFACTURER RECOMMENDATIONS JOINT DEFLECTION SHALL NOT EXCEED 90% OF THE MANUFACTURER'S MAXIMUM ALLOWABLE JOINT DEFLECTION.

d) FITTINGS SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE APPROVED PLANS MECHANICAL JOINT AND RESTRAINED JOINT FITTINGS SHALL BE PROPERLY AND TIGHTLY INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS AND ADEQUATE THRUST RESTRAINT SHALL BE EMPLOYED AS SHOWN IN THE PLANS AND DESCRIBED

e) PIPE SECTION(S) THAT ARE STUBBED FOR FUTURE CONNECTION SHALL HAVE A MECHANICAL JOINT PLUG AT THE END WHICH SHALL BE RODDED BACK TO A THRUST COLLAR LOCATED MIDWAY ALONG THE SECTION. IN ADDITION GATE VALVES FOR PIPE STUBS SHALL BE RODDED TO THE THRUST COLLAR AS WELL. RODS SHALL BE 5/8" OR 3/4"

a) TRACING WIRE SHALL BE INSTALLED IN THE TRENCH WITH THE POLYVINYL CHLORIDE AND DUCTILE IRON TRANSMISSION PIPING THE WIRE SHALL BE INSTALLED ON TOP OF THE PIPE AND ATTACHED TO THE PIPE WITH A VINYL OR PLASTIC STRAP SPACED NO GREATER THAN 10 FEET ON CENTER TO PREVENT THE TRACING WIRE FROM MOVING DURING BACKFILLING OF THE TRENCH. THE WIRE SHALL RUN CONTINUOUSLY FROM VALVE BOX TO VALVE BOX WITH A MINIMUM OF SPLICES. THE TRACING WIRE SHALL TERMINATE AT THE TOP OF FACH VALVE BOX. THE TRACING WIRE SHALL BE NO. 10 GAUGE SOLID COPPER WIRE WITH UL INSULATION FOR DIRECT BURY RATED FOR

b) TRACING WIRE SHALL ALSO BE RUN CONTINUOUS ALONG ALL PLASTIC WATER SERVICES FROM THE CORPORATION STOP AND SHALL TERMINATE AT THE TOP OF FACH METER BOX. THE SERVICE TRACING WIRE SHALL BE INTEGRATED INTO THE MAIN PIPE WIRING SCHEME. FURTHER DETAILS FOR SERVICE LINES ARE FOUND WITHIN

c) UPON COMPLETION OF A RUN OF PIPE AGREEABLE TO THE DIRECTOR OF ENGINEERING AND CONTRACTOR, AFTER BACKFILL AND PRIOR TO SUBSTANTIAL COMPLETION, THE CONTRACTOR SHALL DEMONSTRATE CONTINUITY IN THE WIRE ALONG THE MAIN AND SERVICES WITH AN ELECTRONIC LOCATOR. ANY REPAIR OF WIRE OR RESTORATION OF CONTINUITY ALONG THE PIPE AND SERVICES SHALL BE AT THE CONTRACTOR'S COST.

a) KEEP TRENCHING DRY DURING PIPE LAYING. DIVERT SURFACE WATER FROM THE TRENCH AREA TO THE GREATEST EXTENT PRACTICABLE WITHOUT CAUSING DAMAGE TO THE ADJACENT PROPERTY. BEFORE PIPE LAYING IS STARTED REMOVE ALL WATER THAT MAY HAVE ENTERED THE TRENCH AND CONTINUE TO DEWATER TRENCH BY

1. AFTER THE BEDDING HAS BEEN PREPARED AND THE PIPE INSTALLED, SELECTED MATERIAL FROM EXCAVATION OR BORROW, AT A MOISTURE CONTENT WHICH WILL FACILITATE COMPACTION, SHALL BE PLACED ALONGSIDE THE PIPE IN LAYERS NOT EXCEEDING 6 INCHES IN DEPTH. CARE SHALL BE TAKEN TO ENSURE THOROUGH COMPACTION OF THE FILL UNDER THE HAUNCHES OF THE PIPE. EACH LAYER SHALL BE THOROUGHLY COMPACTED BY ROLLING, TAMPING AND MECHANICAL RAMMERS, OR BY HAND TAMPING WITH HEAVY IRON TAMPERS. THE TAMPING FACE AREA SHALL NOT EXCEED 25 SQUARE INCHES. THE METHOD OF FILLING AND COMPACTING SHALL BE CONTINUED UNTIL THE FILL HAS REACHED AN ELEVATION 12 INCHES ABOVE THE TOP OF THE PIPE. THE REMAINDER OF THE TRENCH SHALL BE

DAMAGE TO THE JOINTS. THE BACKFILL SHALL BE KEPT FREE FROM STONE, FROZEN LUMPS, CHUNKS OF HIGHLY 3. ALL LOCAL BACKFILL MATERIALS SHALL BE COMPACTED AT MOISTURE CONTENT SATISFACTORY TO THE DIRECTOR OF

CONTRACTOR SHALL DRY OR ADD MOISTURE TO THE LOCAL MATERIAL WHEN REQUIRED TO PROVIDE A UNIFORMLY 4 WHEN OTHER THAN LOCAL MATERIAL IS USED FOR BACKFILLING ABOVE THE FOUNDATION SUCH MATERIAL WILL BE

5. BACKFILL OVER AND AROUND THE PIPE AND BACKFILL AROUND AND ADJACENT TO ALL DRAINAGE STRUCTURES SHALL BE COMPACTED TO A MINIMUM DENSITY OF 80 PERCENT AS DETERMINED BY THE AASHO STANDARD METHOD T-99, EXCEPT THE BACKFILL UNDER PAVEMENTS AND ADJACENT AREAS WITHIN 4 TO 10 FEET OF THE PROPOSED

DEFICIENCIES SHALL BE CORRECTED BY THE CONTRACTOR WITHOUT ADDITIONAL COST TO THE OWNER. THE OPERATION OF HEAVY EQUIPMENT SHALL BE CONDUCTED SO THAT NO DAMAGE TO THE PIPE SHALL RESULT. 7. HEAVY EQUIPMENT SHALL NOT BE OPERATED OVER ANY PIPE UNTIL IT HAS BEEN PROPERLY BACKFILLED AND HAS A

Notes

General

- 1. CONTRACTOR SHALL NOTIFY NORTH CAROLINA 811 (811 OR 1-800-632-4949) AT LEAST 72 HOURS BEFORE EXCAVATING
- 2. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
- 3. AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) SHALL RECEIVE FOUR INCHES OF TOPSOIL, SEED AND MULCH.
- 4. WORK WITHIN THE LOCAL RIGHTS-OF-WAY SHALL CONFORM TO LOCAL MUNICIPAL STANDARDS. WORK WITHIN STATE RIGHTS-OF-WAY SHALL CONFORM TO THE LATEST EDITION OF THE STATE HIGHWAY DEPARTMENTS STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.
- 5. UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS. IN THE SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS, DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, AND FIRE HYDRANTS, WITHOUT APPROPRIATE PERMITS
- 6. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- 7. IN THE EVENT THAT SUSPECTED CONTAMINATED SOIL, GROUNDWATER, AND OTHER MEDIA ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL OLFACTORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL TO AVOID FURTHER SPREADING OF THE MATERIAL, AND SHALL NOTIFY THE OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.
- 8. CONTRACTOR SHALL PREVENT DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE AND SHALL BE RESPONSIBLE FOR CLEANUP, REPAIRS AND CORRECTIVE ACTION IF SUCH OCCURS.
- 9. DAMAGE RESULTING FROM CONSTRUCTION LOADS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
- 10 CONTRACTOR SHALL CONTROL STORMWATER RUNOFF DURING CONSTRUCTION TO PREVENT ADVERSE IMPACTS TO OFF SITE AREAS, AND SHALL BE RESPONSIBLE TO REPAIR RESULTING DAMAGES, IF ANY, AT NO COST TO OWNER

Utilities

- 1. THE LOCATIONS, SIZES, AND TYPES OF EXISTING UTILITIES ARE SHOWN AS AN APPROXIMATE REPRESENTATION ONLY. THE OWNER OR IT'S REPRESENTATIVE(S) HAVE NOT INDEPENDENTLY VERIFIED THIS INFORMATION AS SHOWN ON THE PLANS. THE UTILITY INFORMATION SHOWN DOES NOT GUARANTEE THE ACTUAL EXISTENCE. SERVICEABILITY, OR OTHER DATA CONCERNING THE UTILITIES, NOR DOES IT GUARANTEE AGAINST THE POSSIBILITY THAT ADDITIONAL UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN ON THE PLANS PRIOR TO ORDERING MATERIALS AND REGINNING CONSTRUCTION. THE CONTRACTOR SHALL VERIEY AND DETERMINE THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTIONS TO XISTING UTILITIES AND, SHALL CONFIRM THAT THERE ARE NO INTERFERENCES WITH EXISTING UTILITIES AND THE PROPOSED UTILITY ROUTES, INCLUDING ROUTES WITHIN THE PUBLIC RIGHTS OF WAY.
- 2. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, OR EXISTING CONDITIONS DIFFER FROM THOSE SHOWN SUCH THAT THE WORK CANNOT BE COMPLETED AS INTENDED, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED IN WRITING TO THE OWNER'S REPRESENTATIVE FOR THE RESOLUTION OF THE CONFLICT AND CONTRACTOR'S FAILURE TO NOTIFY PRIOR TO PERFORMING ADDITIONAL WORK RELEASES OWNER FROM OBLIGATIONS FOR ADDITIONAL PAYMENTS WHICH OTHERWISE MAY BE WARRANTED TO RESOLVE THE CONFLICT.
- 3. UTILITY PIPE MATERIALS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLAN:
- A WATER PIPES SHALL BE RESTRAINED JOINT DUCTILE IRON PIPE (DIP) B. SANITARY SEWER PIPES SHALL BE POLYVINYLCHLORIDE PIPE (PVC).

4. CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITY CONTRACTOR FOR EXCAVATION, INSTALLATION, AND BACKFILL OF PRIVATE UTILITY FURNISHED RELATED ITEMS SUCH AS PULL BOXES, CONDUITS, DUCT BANKS, LIGHT POLE BASES, AND CONCRETE PADS. SITE CONTRACTOR SHALL FURNISH CONCRETE ENCASEMENT OF DUCT BANKS IF REQUIRED BY THE UTILITY COMPANY AND AS INDICATED ON THE DRAWINGS.

Abbreviatior	าร
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1 h h	<i>voviations</i>		PROJECT REFERENCE NO.	SHEET NO.		
	reviations		U-5996	UC-2		
ΔΒΔΝΙ		IP		revision no.	UTILITIES	
ACR ADJ APPROX BV BIT CB CIP CMP CO CON CONC DCB DMH	BANABANDONLCRACCESSIBLE CURB RAMPMDJADJUSTMPPROXAPPROXIMATEMVBUTTERFLY VALVEMTBITUMINOUSMBCATCH BASINMIPCAST IRON PIPEFMPCORRUGATED METAL PIPEFOCLEANOUTFONCONNECTFONCCONCRETEFCBDOUBLE CATCH BASINF	LF MAX MES MH MIN NIC NTS PERF PIV PROP PVC RCP REM RET	MAXIMUM METAL END SECTION SANITARY SEWER MANHOLE MINIMUM NOT IN CONTRACT NOT TO SCALE PERFORATED POST INDICATOR VALVE PROPOSED POLYVINYLCHLORIDE PIPE REINFORCED CONCRETE PIPE REMOVE RETAIN	1 - 3/23/20 - RDWY & DRN REV. 2 - 4/14/20 - SPEC. REV. 3 - 10/8/21 - UTL REV.	CARO RESSIONEER CARO RESSIONER M. EARO M. EARO	
DIP EL / ELEV EX	DUCTILE IRON PIPE ELEVATION EXISTING	RIM RJDIP R&D	RIM ELEVATION RESTRAINED JOINT DIP REMOVE AND DISPOSE	DOCUMENT NOT CONS UNLESS ALL SIGNATUR	SIDERED FINAL RES COMPLETED	
FES FUT FM F&G F&C GI GTD GV HDPE HW	EAISTING R&D REMOVE AND DISPOSE FLARED END SECTION R&R REMOVE AND RESET FUTURE SMH STORM DRAIN MANHOLE FORCE MAIN TSV TAPPING SLEEVE, VALVE & FRAME AND GRATE BOX FRAME AND COVER TYP TYPICAL GUTTER INLET UG UNDERGROUND GRADE TO DRAIN UP UTILITY POLE HIGH DENSITY POLYETHYLENE PIPE HEADWALL WADD MATE	Prepared by VHB Engineering NC, P.C. (C-3705) 940 Main Campus Drive, Suite 500 Raleigh, NC 27606				
HYD INV LOD	HYDRANT INVERT ELEVATION LIMIT OF DISTURBANCE					

Layout and Materials

- 1. DIMENSIONS ARE FROM THE BACK OF CURB, FACE OF B PAVEMENT MARKINGS, UNLESS OTHERWISE NOTED
- 2. PROPOSED BOUNDS AND ANY EXISTING PROPERTY LINE CONSTRUCTION SHALL BE SET OR RESET BY A LICENSE

Demolition

- 1. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTIN OF WORK INCLUDING BUILDINGS, STRUCTURES, PAVEM ETC. UNLESS INDICATED OTHERWISE ON THE DRAWING 2. EXISTING UTILITIES SHALL BE TERMINATED. UNLESS OTH
- STATE AND INDIVIDUAL UTILITY COMPANY STANDARD SHALL COORDINATE UTILITY SERVICE DISCONNECTS WIT CONTRACTOR SHALL DISPOSE OF DEMOLITION DEBRIS
- AND LOCAL REGULATIONS, ORDINANCES AND STATUTE 4 THE DEMOLITION LIMITS DEPICTED IN THE PLANS IS INT BIDDING AND CONSTRUCTION PROCESS AND IS NOT IN DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR I BEFORE SUBMITTING ITS BID/PROPOSAL TO PERFORM ADDITIONAL COMPENSATION FOR CHANGED CONDITI RELATED TO ANY CONDITIONS DISCOVERED DURING E
- UNIESS OTHERWISE SPECIFICALLY PROVIDED ON THE NOT PREPARED DESIGNS FOR AND SHALL HAVE NO RI REMOVAL, ABATEMENT OR DISPOSAL OF HAZARDOUS PROJECT SITE THE ENGINEER SHALL NOT BE RESPONSIB DELAY, INJURY OR DEATH ARISING FROM THE PRESEN SHALL INDEMNIFY AND HOLD HARMLESS THE ENGINE HEREWITH. MOREOVER, THE ENGINEER SHALL HAVE REGARD TO ANY CONTRACTOR AMENDMENT INVOLVIN ABATEMENT OR DISPOSAL OF ASBESTOS OR OTHER HAZ

Erosion Control

- 1. PRIOR TO STARTING ANY OTHER WORK ON THE SITE, TH AGENCIES AND SHALL INSTALL FROSION CONTROL ME IN FEDERAL, STATE, AND LOCAL APPROVAL DOCUMENT
- 2. CONTRACTOR SHALL INSPECT AND MAINTAIN EROSION (MINIMUM) OR AS REQUIRED PER THE STORMWATER PC CONTRACTOR SHALL ADDRESS DEFICIENCIES AND MAIN INSPECTION. CONTRACTOR SHALL PROPERLY DISPOSE OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS
- 3. CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTRO SHALL NOT AFFECT REGULATORY PROTECTED AREAS, WH WIND, OR DIRECT DEPOSIT.
- 4. CONTRACTOR SHALL PERFORM CONSTRUCTION SEQUEN FOR A MINIMUM OF TIME BEFORE THEY ARE COVERED, S EROSION.
- 5. UPON COMPLETION OF CONSTRUCTION AND ESTABLIS CONTRACTOR SHALL REMOVE AND DISPOSE OF EROSIC DEBRIS FROM ENTIRE DRAINAGE AND SEWER SYSTEMS

NCDOT U-5996 Wet Utility Centerline Alignment Table													
Alignment	Length	Direction	Radius	Delta	Chord Length	Start Point End Point							
SS-1	74.00	7.8602				N	811711.5895	E	2326541.8207	Ν	811721.7107	E	2326615.1342
	60.00	92 1661	1	[N	811443 0563	F	2326597 0091	N	811503 0135	F	2326594 7413
	182.51	52.1001	7746.99	1.35	182,5131	N	811503.0135	E	2326594.7413	N	811685.3023	E	2326585.6951
	57.90	81,9284	1110.00		10210101	N	811685.3023	E	2326585.6951	N	811742.6292	F	2326593.8249
	219.46	81.9285				N	811742.6292	E	2326593.8249	N	811959.9201	E	2326624.6398
W-1	119.29	104.4284				N	811959.9201	E	2326624.6398	N	812075.4523	E	2326594,9149
	481.73	AND MARK IN ANY IN ANY IN ANY IN ANY IN	6066.07	4.55	481.6046	Ν	812075.4523	E	2326594.9149	N	812314.9776	E	2326568.3652
	279.99	91.7504				N	812314.9776	E	2326568.3652	N	812314.9777	E	2326568.3652
	21.99	91.7504				Ν	812314.9777	E	2326568.3652	N	812857.7131	E	2326551.6759
111.0													
VV-2	/4./5	182.0561				N	811463.1004	E	2326596.2942	N	811460.4186	E	2326521.5953
	107.64	104.4286				N	811983.0850	E	2326626.9113	Ν	811956.5353	E	2326522.9091
	17.60	126.9286				Ν	811956.5353	E	2326522.9091	Ν	811945.9625	E	2326508.8421
W-3	70.39	136.8969				Ν	811945.9625	E	2326508.8421	N	811894.5719	E	2326460.7466
	34.04	181.8969				N	811894.5719	E	2326460.7466	N	811860.5550	E	2326461.8732
	42.06	181.8969				Ν	811860.5550	E	2326461.8732	Ν	811817.0873	E	2326463.4129
	74.54	102 2152				N	010000 700 4		2226560 0211	N	012200 5062		2226406 6012
W-4	/1.54	103.3152				IN N	012393.7234		2326568.0211	N N	012309.5002	E	2326496.6013
	42.54	182.2352				IN	012309.5862	E	2320496.6013	IN	812387.9270	E	2320434.0910
	67.02	181.7530				N	812835.7302	E	2326552.3740	Ν	812833.6799	E	2326485.3823
C-VV	3.00	226.7477				Ν	812833.6799	E	2326485.3823	Ν	812831.4916	E	2326483.3236

	Existing Conditions Information
BUILDING, FACE OF WALL, AND CENTER LINE OF	 BASE PLAN: THE PROPERTY LINES SHOWN WERE DETERMINED BY AN ACTUAL FIELD SURVEY PROVIDED BY NORTH CAROLINA DEPARTMENT OF TRANSPORTATION. THE TOPOGRAPHY AND PHYSICAL FEATURES ARE BASED ON AN ACTUAL FIELD SURVEY PERFORMED ON THE GROUND PROVIDED. BY NORTH CAROLINA
E MONUMENTATION DISTURBED DURING	DEPARTMENT OF TRANSPORTATION, DURING JUNE, SEPTEMBER, OCTOBER, & NOVEMBER 2019.
FROIESSIONAL LAND SURVEION.	2. TOPOGRAPHY: ELEVATIONS ARE BASED ON NAVD88 IN FEET.
	Document Use
NG MANMADE SURFACE FEATURES WITHIN THE LIMIT	
1ENTS, SLABS, CURBING, FENCES, UTILITY POLES, SIGNS, 5S.	 THESE PLANS AND CORRESPONDING CADD DOCUMENTS ARE INSTRUMENTS OF PROFESSIONAL SERVICE, AND SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN FOR WHICH IT WAS CREATED
HERWISE NOTED, IN CONFORMANCE WITH LOCAL,	WITHOUT THE EXPRESSED, WRITTEN CONSENT OF VHB. ANY UNAUTHORIZED USE, REUSE, MODIFICATION OR ALTERATION, INCLUDING AUTOMATED CONVERSION OF THIS DOCUMENT SHALL BE AT THE USER'S SOLE RISK
SPECIFICATIONS AND DETAILS. THE CONTRACTOR ITH THE UTILITY REPRESENTATIVES.	WITHOUT LIABILITY OR LEGAL EXPOSURE TO VHB.
IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE ES.	 CONTRACTOR SHALL NOT RELY SOLELY ON ELECTRONIC VERSIONS OF PLANS, SPECIFICATIONS, AND DATA FILES THAT ARE OBTAINED FROM THE DESIGNERS, BUT SHALL VERIFY LOCATION OF PROJECT FEATURES IN ACCORDANCE WITH THE PAPER COPIES OF THE PLANS AND SPECIFICATIONS THAT ARE SUPPLIED AS PART OF THE CONTRACT DOCUMENTS.
TENDED TO AID THE CONTRACTOR DURING THE NTENDED TO DEPICT EACH AND EVERY ELEMENT OF DENTIFYING THE DETAILED SCOPE OF DEMOLITION THE WORK AND SHALL MAKE NO CLAIMS AND SEEK NO ONS OR UNFORESEEN OR LATENT SITE CONDITIONS XECUTION OF THE WORK.	 SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SCALED TO THEIR ACTUAL DIMENSIONS OR LOCATIONS ON THE DRAWINGS. THE CONTRACTOR SHALL REFER TO THE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FORLAYOUT OF THE PROJECT FEATURES.
PLANS OR IN THE SPECIFICATIONS, THE ENGINEER HAS SPONSIBILITY FOR THE PRESENCE, DISCOVERY, MATERIALS, TOXIC WASTES OR POLLUTANTS AT THE BLE FOR ANY CLAIMS OF LOSS, DAMAGE, EXPENSE, E OF HAZARDOUS MATERIAL AND CONTRACTOR R FROM ANY CLAIMS MADE IN CONNECTION IO ADMINISTRATIVE OBLIGATIONS OF ANY TYPE WITH NG THE ISSUES OF PRESENCE, DISCOVERY, REMOVAL, IZARDOUS MATERIALS.	
HE CONTRACTOR SHALL NOTIFY APPROPRIATE ASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED IS PERTAINING TO THIS PROJECT.	
N CONTROL MEASURES ON A WEEKLY BASIS OLLUTION PREVENTION PLAN (SWPPP). THE NTENANCE ITEMS WITHIN TWENTY-FOUR HOURS OF OF SEDIMENT SUCH THAT IT DOES NOT ENCUMBER S.	
ROL CONSTRUCTION SUCH THAT SEDIMENTATION VHETHER SUCH SEDIMENTATION IS CAUSED BY WATER,	
ENCING SUCH THAT EARTH MATERIALS ARE EXPOSED SEEDED, OR OTHERWISE STABILIZED TO PREVENT	
SHMENT OF PERMANENT GROUND COVER, ON CONTROL MEASURES AND CLEAN SEDIMENT AND	