



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

September 25, 2018

Addendum No. 2

RE: Contract # C204108

WBS # 34552.3.5

STATE FUNDED

Johnston County (R-3825B)

NC-42 From East of SR-1902 (Glen Lural Road)

To SR-1003 (Buffalo Road).

September 18, 2018 Letting-Extended to October 2, 2018 Letting

To Whom It May Concern:

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

The following revisions have been made to the plans:

Sheet No.	Revisions
EC-12A	Revised notes concerning shoring in the culvert phasing
UC-4, UC-6, UC-7, UC-9, UC-10, UC-12, UC-14, UC-15, UC-19, UC-20 and UC-22	Revised to add "Remove Fire Hydrant"

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

The following revisions have been made to the proposal:

Page No.	Revisions
Proposal Cover	Note added that reads "Includes Addendum No. 2 Dated September 25, 2018".

Please void the above listed page your proposal and staple the revised page thereto.

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
CONTRACT STANDARDS AND DEVELOPMENT
1591 MAIL SERVICE CENTER
RALEIGH, NC 27699-1591

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

On the item sheets the following pay item quantities have been revised or new pay items added:

<u>Item</u>	<u>Description</u>	<u>Old Quantity</u>	<u>New Quantity</u>
281-6111000000-E-SP	Impervious Dike	350 LF	297 LF
380-5815500000-N-1530	Remove Fire Hydrant	NEW ITEM	11 EA
381-6045000000-E-SP	24" Temporary Pipe	NEW ITEM	97 LF

The Contractor's bid must be based on the revised pay item quantity and include the new pay items.

If you have not already done so, please delete the EBS file you previously downloaded for the September 18, 2018 letting and download the new EBS file 02Oct004.EBS listed for the October 2, 2018 letting. If you have not already done so, please download the Expedite Addendum File 02Oct004.001 (for Addendum No. 1) and follow the instructions for applying the addendum. Please download the Expedite Addendum File 02Oct004.002 (for this Addendum No. 2) and follow the instructions for applying the addendum. Bid Express will not accept your bid unless the new EBS file associated with the October 2, 2018 letting with both addendum files applied is used.

The contract will be prepared accordingly.

Sincerely,

DocuSigned by:

 F81B6038A47A442...
 Ronald E. Davenport, Jr., PE
 State Contract Officer

RED/jag
 Attachments

cc: Mr. Lamar Sylvester, PE
 Mr. Ronnie Keeter, PE
 Mr. Ron Hancock, PE
 Mr. Jon Weathersbee, PE
 Mr. Ken Kennedy, PE
 Mr. Mitchell Dixon
 Project File (2)

Mr. Ray Arnold, PE
 Ms. Theresa Canales, PE
 Mr. Mike Gwyn
 Ms. Lori Strickland
 Ms. Jaci Kincaid
 Ms. Penny Higgins
 Mr. Alex Foster

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH, N.C.

PROPOSAL

INCLUDES ADDENDUM No. 2 DATED 09-25-2018

INCLUDES ADDENDUM No. 1 DATED 09-18-2018

DATE AND TIME OF BID OPENING: **OCTOBER 2, 2018 AT 2:00 PM**

CONTRACT ID C204108
WBS 34552.3.5

FEDERAL-AID NO. STATE FUNDED

COUNTY JOHNSTON

T.I.P. NO. R-3825B

MILES 4.640

ROUTE NO. NC 42

LOCATION NC-42 FROM EAST OF SR-1902 (GLEN LAUREL RD) TO SR-1003
(BUFFALO RD).

TYPE OF WORK GRADING, DRAINAGE, PAVING, AND STRUCTURE.

NOTICE:

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE BIDDER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. BIDDERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA. NOTWITHSTANDING THESE LIMITATIONS ON BIDDING, THE BIDDER WHO IS AWARDED ANY FEDERAL - AID FUNDED PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF BID OPENING.

BIDS WILL BE RECEIVED AS SHOWN BELOW:

THIS IS A ROADWAY & STRUCTURE PROPOSAL

5% BID BOND OR BID DEPOSIT REQUIRED

County : Johnston

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
ROADWAY ITEMS						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	0000400000-N	801	CONSTRUCTION SURVEYING	Lump Sum	L.S.	
0003	0001000000-E	200	CLEARING & GRUBBING .. ACRE(S)	Lump Sum	L.S.	
0004	0008000000-E	200	SUPPLEMENTARY CLEARING & GRUB-BING	3 ACR		
0005	0015000000-N	205	SEALING ABANDONED WELLS	5 EA		
0006	0022000000-E	225	UNCLASSIFIED EXCAVATION	161,000 CY		
0007	0028000000-N	SP	TYPE I STANDARD APPROACH FILL STATION ***** (64+20 -L-)	Lump Sum	L.S.	
0008	0036000000-E	225	UNDERCUT EXCAVATION	12,650 CY		
0009	0106000000-E	230	BORROW EXCAVATION	216,000 CY		
0010	0134000000-E	240	DRAINAGE DITCH EXCAVATION	4,780 CY		
0011	0141000000-E	240	BERM DITCH CONSTRUCTION	3,600 LF		
0012	0156000000-E	250	REMOVAL OF EXISTING ASPHALT PAVEMENT	45,860 SY		
0013	0177000000-E	250	BREAKING OF EXISTING ASPHALT PAVEMENT	19,010 SY		
0014	0192000000-N	260	PROOF ROLLING	56 HR		
0015	0194000000-E	265	SELECT GRANULAR MATERIAL, CLASS III	10,100 CY		
0016	0195000000-E	265	SELECT GRANULAR MATERIAL	850 CY		
0017	0196000000-E	270	GEOTEXTILE FOR SOIL STABILIZA- TION	45,950 SY		
0018	0199000000-E	SP	TEMPORARY SHORING	4,389 SF		
0019	0222000000-E	SP	GEOTEXTILE FOR ROCK EMBANK- MENTS	440 SY		

County : Johnston

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0020	0223000000-E	275	ROCK PLATING	2,550	SY	
0021	0241000000-E	SP	GENERIC GRADING ITEM GEOTEXTILE FOR EMBANKMENT STABILIZATION	900	SY	
0022	0255000000-E	SP	GENERIC GRADING ITEM HAULING & DISPOSAL OF PETRO- LEUM CONTAMINATED SOIL	100	TON	
0023	0318000000-E	300	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRUCTURES	4,976	TON	
0024	0320000000-E	300	FOUNDATION CONDITIONING GEO- TEXTILE	23,226	SY	
0025	0335000000-E	305	*** DRAINAGE PIPE (54")	80	LF	
0026	0335000000-E	305	*** DRAINAGE PIPE (66")	456	LF	
0027	0335200000-E	305	15" DRAINAGE PIPE	6,760	LF	
0028	0335300000-E	305	18" DRAINAGE PIPE	2,892	LF	
0029	0335400000-E	305	24" DRAINAGE PIPE	1,956	LF	
0030	0335500000-E	305	30" DRAINAGE PIPE	1,052	LF	
0031	0335600000-E	305	36" DRAINAGE PIPE	12	LF	
0032	0335700000-E	305	42" DRAINAGE PIPE	504	LF	
0033	0335850000-E	305	*** DRAINAGE PIPE ELBOWS (15")	22	EA	
0034	0335850000-E	305	*** DRAINAGE PIPE ELBOWS (18")	6	EA	
0035	0335850000-E	305	*** DRAINAGE PIPE ELBOWS (24")	1	EA	
0036	0448000000-E	310	***** RC PIPE CULVERTS, CLASS IV (48")	104	LF	

County : Johnston

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0037	0448000000-E	310	***** RC PIPE CULVERTS, CLASS IV (54")	508 LF		
0038	0448000000-E	310	***** RC PIPE CULVERTS, CLASS IV (66")	76 LF		
0039	0448000000-E	310	***** RC PIPE CULVERTS, CLASS IV (72")	136 LF		
0040	0448200000-E	310	15" RC PIPE CULVERTS, CLASS IV	7,944 LF		
0041	0448300000-E	310	18" RC PIPE CULVERTS, CLASS IV	1,740 LF		
0042	0448400000-E	310	24" RC PIPE CULVERTS, CLASS IV	1,588 LF		
0043	0448500000-E	310	30" RC PIPE CULVERTS, CLASS IV	216 LF		
0044	0448600000-E	310	36" RC PIPE CULVERTS, CLASS IV	180 LF		
0045	0448700000-E	310	42" RC PIPE CULVERTS, CLASS IV	416 LF		
0046	0453000000-E	310	*** PIPE END SECTION (15")	4 EA		
0047	0453000000-E	310	*** PIPE END SECTION (18")	1 EA		
0048	0582000000-E	310	15" CS PIPE CULVERTS, 0.064" THICK	930 LF		
0049	0588000000-E	310	18" CS PIPE CULVERTS, 0.064" THICK	56 LF		
0050	0594000000-E	310	24" CS PIPE CULVERTS, 0.064" THICK	400 LF		
0051	0600000000-E	310	30" CS PIPE CULVERTS, 0.079" THICK	124 LF		
0052	0636000000-E	310	*** CS PIPE ELBOWS, ***** THICK (15", 0.0625")	1 EA		

County : Johnston

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0053	0973100000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (15", 0.500")	38 LF		
0054	0973100000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (18", 0.500")	222 LF		
0055	0973100000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (24", 0.500")	134 LF		
0056	0973100000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (30", 0.500")	264 LF		
0057	0973100000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (36", 0.500")	204 LF		
0058	0973100000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (42", 0.500")	284 LF		
0059	0973100000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (48", 0.500")	36 LF		
0060	0973100000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (54", 0.750")	232 LF		
0061	0973100000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (66", 0.750")	178 LF		
0062	0973100000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (72", 0.750")	64 LF		
0063	0973100000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (84", 0.750")	90 LF		
0064	0973300000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (15", 0.500")	38 LF		
0065	0973300000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (18", 0.500")	222 LF		

County : Johnston

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0066	0973300000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (24", 0.500")	134 LF		
0067	0973300000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (30", 0.500")	264 LF		
0068	0973300000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (36", 0.500")	204 LF		
0069	0973300000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (42", 0.500")	284 LF		
0070	0973300000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (48", 0.500")	36 LF		
0071	0973300000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (54", 0.750")	232 LF		
0072	0973300000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (66", 0.750")	178 LF		
0073	0973300000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (72", 0.750")	64 LF		
0074	0973300000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (84", 0.750")	90 LF		
0075	0995000000-E	340	PIPE REMOVAL	5,702 LF		
0076	1011000000-N	500	FINE GRADING	Lump Sum	L.S.	
0077	1044000000-E	501	LIME TREATED SOIL (SLURRY METHOD)	65,300 SY		
0078	1066000000-E	501	LIME FOR LIME TREATED SOIL	660 TON		
0079	1077000000-E	SP	#57 STONE	200 TON		
0080	1099500000-E	505	SHALLOW UNDERCUT	10,450 CY		

County : Johnston

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0081	1099700000-E	505	CLASS IV SUBGRADE STABILIZATION	19,950 TON		
0082	1110000000-E	510	STABILIZER AGGREGATE	500 TON		
0083	1115000000-E	SP	GEOTEXTILE FOR PAVEMENT STABILIZATION	23,262 SY		
0084	1121000000-E	520	AGGREGATE BASE COURSE	55,804 TON		
0085	1176000000-E	542	SOIL CEMENT BASE	65,300 SY		
0086	1187000000-E	542	PORTLAND CEMENT FOR SOIL CEMENT BASE	1,796 TON		
0087	1209000000-E	543	ASPHALT CURING SEAL	19,590 GAL		
0088	1220000000-E	545	INCIDENTAL STONE BASE	2,000 TON		
0089	1330000000-E	607	INCIDENTAL MILLING	3,600 SY		
0090	1491000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0C	34,070 TON		
0091	1503000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	45,230 TON		
0092	1519000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	2,180 TON		
0093	1523000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	34,090 TON		
0094	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	4,425 TON		
0095	1693000000-E	654	ASPHALT PLANT MIX, PAVEMENT REPAIR	2,611 TON		
0096	2000000000-N	806	RIGHT-OF-WAY MARKERS	271 EA		
0097	2020000000-N	806	CONTROL-OF-ACCESS MARKERS	19 EA		
0098	2022000000-E	815	SUBDRAIN EXCAVATION	2,050 CY		

County : Johnston

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0099	2026000000-E	815	GEOTEXTILE FOR SUBSURFACE DRAINS	6,100 SY		
0100	2036000000-E	815	SUBDRAIN COARSE AGGREGATE	1,025 CY		
0101	2044000000-E	815	6" PERFORATED SUBDRAIN PIPE	6,100 LF		
0102	2070000000-N	815	SUBDRAIN PIPE OUTLET	13 EA		
0103	2077000000-E	815	6" OUTLET PIPE	78 LF		
0104	2143000000-E	818	BLOTTING SAND	20 TON		
0105	2190000000-N	828	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE	15 EA		
0106	2209000000-E	838	ENDWALLS	41.2 CY		
0107	2220000000-E	838	REINFORCED ENDWALLS	29.7 CY		
0108	2253000000-E	840	PIPE COLLARS	9 CY		
0109	2275000000-E	SP	FLOWABLE FILL	433 CY		
0110	2286000000-N	840	MASONRY DRAINAGE STRUCTURES	283 EA		
0111	2297000000-E	840	MASONRY DRAINAGE STRUCTURES	96 CY		
0112	2308000000-E	840	MASONRY DRAINAGE STRUCTURES	81.2 LF		
0113	2354200000-N	840	FRAME WITH GRATE, STD 840.24	1 EA		
0114	2364000000-N	840	FRAME WITH TWO GRATES, STD 840.16	17 EA		
0115	2366000000-N	840	FRAME WITH TWO GRATES, STD 840.24	67 EA		
0116	2367000000-N	840	FRAME WITH TWO GRATES, STD 840.29	84 EA		
0117	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	23 EA		

County : Johnston

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0118	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	40 EA		
0119	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	37 EA		
0120	2396000000-N	840	FRAME WITH COVER, STD 840.54	17 EA		
0121	2440000000-N	852	CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN	2 EA		
0122	2451000000-N	852	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	26 EA		
0123	2535000000-E	846	***X*** CONCRETE CURB (9" X 12")	400 LF		
0124	2538000000-E	846	***L*** CONCRETE CURB & GUTTER (2'-9")	2,210 LF		
0125	2542000000-E	846	1'-6" CONCRETE CURB & GUTTER	25,200 LF		
0126	2549000000-E	846	2'-6" CONCRETE CURB & GUTTER	9,410 LF		
0127	2556000000-E	846	SHOULDER BERM GUTTER	5,790 LF		
0128	2577000000-E	846	CONCRETE EXPRESSWAY GUTTER	780 LF		
0129	2591000000-E	848	4" CONCRETE SIDEWALK	4,140 SY		
0130	2605000000-N	848	CONCRETE CURB RAMPS	30 EA		
0131	2612000000-E	848	6" CONCRETE DRIVEWAY	1,090 SY		
0132	2619000000-E	850	4" CONCRETE PAVED DITCH	190 SY		
0133	2655000000-E	852	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	7,490 SY		
0134	2724000000-E	857	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	2,082 LF		
0135	2800000000-N	858	ADJUSTMENT OF CATCH BASINS	5 EA		

County : Johnston

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0136	3030000000-E	862	STEEL BEAM GUARDRAIL	7,025 LF		
0137	3045000000-E	862	STEEL BEAM GUARDRAIL, SHOP CURVED	925 LF		
0138	3150000000-N	862	ADDITIONAL GUARDRAIL POSTS	10 EA		
0139	3210000000-N	862	GUARDRAIL END UNITS, TYPE CAT-1	32 EA		
0140	3215000000-N	SP	GUARDRAIL ANCHOR UNITS, TYPE III	4 EA		
0141	3287000000-N	SP	GUARDRAIL END UNITS, TYPE TL-3	20 EA		
0142	3317000000-N	SP	GUARDRAIL ANCHOR UNITS, TYPE B-77	4 EA		
0143	3360000000-E	863	REMOVE EXISTING GUARDRAIL	2,787 LF		
0144	3628000000-E	876	RIP RAP, CLASS I	2,840 TON		
0145	3635000000-E	876	RIP RAP, CLASS II	1,050 TON		
0146	3642000000-E	876	RIP RAP, CLASS A	230 TON		
0147	3649000000-E	876	RIP RAP, CLASS B	4,700 TON		
0148	3656000000-E	876	GEOTEXTILE FOR DRAINAGE	12,240 SY		
0149	4072000000-E	903	SUPPORTS, 3-LB STEEL U-CHANNEL	2,636 LF		
0150	4096000000-N	904	SIGN ERECTION, TYPE D	2 EA		
0151	4102000000-N	904	SIGN ERECTION, TYPE E	126 EA		
0152	4108000000-N	904	SIGN ERECTION, TYPE F	25 EA		
0153	4116100000-N	904	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (E)	1 EA		
0154	4155000000-N	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	63 EA		

County : Johnston

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0155	4158000000-N	907	DISPOSAL OF SIGN SYSTEM, WOOD	4 EA		
0156	4400000000-E	1110	WORK ZONE SIGNS (STATIONARY)	1,145 SF		
0157	4405000000-E	1110	WORK ZONE SIGNS (PORTABLE)	288 SF		
0158	4410000000-E	1110	WORK ZONE SIGNS (BARRICADE MOUNTED)	422 SF		
0159	4415000000-N	1115	FLASHING ARROW BOARD	2 EA		
0160	4420000000-N	1120	PORTABLE CHANGEABLE MESSAGE SIGN	7 EA		
0161	4422000000-N	1120	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)	250 DAY		
0162	4430000000-N	1130	DRUMS	630 EA		
0163	4435000000-N	1135	CONES	630 EA		
0164	4445000000-E	1145	BARRICADES (TYPE III)	336 LF		
0165	4455000000-N	1150	FLAGGER	440 DAY		
0166	4465000000-N	1160	TEMPORARY CRASH CUSHIONS	5 EA		
0167	4470000000-N	1160	REMOVE & RESET TEMPORARY CRASH CUSHION	3 EA		
0168	4485000000-E	1170	PORTABLE CONCRETE BARRIER	2,744 LF		
0169	4490000000-E	1170	PORTABLE CONCRETE BARRIER (ANCHORED)	600 LF		
0170	4500000000-E	1170	REMOVE & RESET PORTABLE CONCRETE BARRIER	930 LF		
0171	4510000000-N	1190	LAW ENFORCEMENT	80 HR		
0172	4516000000-N	1180	SKINNY DRUM	630 EA		
0173	4685000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	10,440 LF		

County : Johnston

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0174	4686000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	11,735 LF		
0175	4688000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	65,408 LF		
0176	4690000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)	21,943 LF		
0177	4695000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	141 LF		
0178	4697000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)	1,903 LF		
0179	4700000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	16,834 LF		
0180	4702000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)	501 LF		
0181	4710000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	1,335 LF		
0182	4721000000-E	1205	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)	20 EA		
0183	4725000000-E	1205	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	310 EA		
0184	4770000000-E	1205	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)	2,720 LF		
0185	4775000000-E	1205	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (II)	1,063 LF		
0186	4785000000-E	1205	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (12") (II)	241 LF		
0187	4805000000-N	1205	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (IV)	4 EA		
0188	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	603,025 LF		

County : Johnston

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0189	4815000000-E	1205	PAINT PAVEMENT MARKING LINES (6")	88,414 LF		
0190	4820000000-E	1205	PAINT PAVEMENT MARKING LINES (8")	13,182 LF		
0191	4825000000-E	1205	PAINT PAVEMENT MARKING LINES (12")	17,576 LF		
0192	4835000000-E	1205	PAINT PAVEMENT MARKING LINES (24")	3,903 LF		
0193	4840000000-N	1205	PAINT PAVEMENT MARKING CHARACTER	24 EA		
0194	4845000000-N	1205	PAINT PAVEMENT MARKING SYMBOL	694 EA		
0195	4850000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (4")	90,046 LF		
0196	4860000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (8")	1,480 LF		
0197	4870000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (24")	350 LF		
0198	4875000000-N	1205	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	54 EA		
0199	4900000000-N	1251	PERMANENT RAISED PAVEMENT MARKERS	315 EA		
0200	4905000000-N	1253	SNOWPLOWABLE PAVEMENT MARKERS	1,960 EA		
0201	4955000000-N	1264	OBJECT MARKERS (END OF ROAD)	3 EA		
0202	5255000000-N	1413	PORTABLE LIGHTING	Lump Sum	L.S.	
0203	5325600000-E	1510	6" WATER LINE	389 LF		
0204	5325800000-E	1510	8" WATER LINE	314 LF		
0205	5326000000-E	1510	10" WATER LINE	98 LF		
0206	5326200000-E	1510	12" WATER LINE	1,272 LF		

County : Johnston

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0207	5327400000-E	1510	24" WATER LINE	23,951	LF	
0208	5329000000-E	1510	DUCTILE IRON WATER PIPE FITTINGS	108,510	LB	
0209	5540000000-E	1515	6" VALVE	28	EA	
0210	5546000000-E	1515	8" VALVE	7	EA	
0211	5552000000-E	1515	10" VALVE	2	EA	
0212	5558000000-E	1515	12" VALVE	9	EA	
0213	5559400000-E	1515	24" VALVE	17	EA	
0214	5571600000-E	1515	6" TAPPING SLEEVE & VALVE	1	EA	
0215	5589200000-E	1515	2" AIR RELEASE VALVE	23	EA	
0216	5648000000-N	1515	RELOCATE WATER METER	11	EA	
0217	5649000000-N	1515	RECONNECT WATER METER	1	EA	
0218	5672000000-N	1515	RELOCATE FIRE HYDRANT	12	EA	
0219	5673000000-E	1515	FIRE HYDRANT LEG	182	LF	
0220	5678400000-E	1515	6" LINE STOP	2	EA	
0221	5678600000-E	1515	8" LINE STOP	3	EA	
0222	5678800000-E	1515	10" LINE STOP	1	EA	
0223	5679000000-E	1515	12" LINE STOP	6	EA	
0224	5686500000-E	1515	WATER SERVICE LINE	752	LF	
0225	5691300000-E	1520	8" SANITARY GRAVITY SEWER	80	LF	
0226	5691500000-E	1520	12" SANITARY GRAVITY SEWER	161	LF	
0227	5709300000-E	1520	6" FORCE MAIN SEWER	325	LF	

County : Johnston

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0228	5709400000-E	1520	8" FORCE MAIN SEWER	7,307 LF		
0229	5709600000-E	1520	12" FORCE MAIN SEWER	19,311 LF		
0230	5769000000-E	1520	DUCTILE IRON SEWER PIPE FITTINGS	24,365 LB		
0231	5775000000-E	1525	4' DIA UTILITY MANHOLE	3 EA		
0232	5776000000-E	1525	5' DIA UTILITY MANHOLE	16 EA		
0233	5782000000-E	1525	UTILITY MANHOLE WALL 5' DIA	7 LF		
0234	5800000000-E	1530	ABANDON 6" UTILITY PIPE	220 LF		
0235	5801000000-E	1530	ABANDON 8" UTILITY PIPE	7,653 LF		
0236	5802000000-E	1530	ABANDON 10" UTILITY PIPE	58 LF		
0237	5804000000-E	1530	ABANDON 12" UTILITY PIPE	43,111 LF		
0238	5816000000-N	1530	ABANDON UTILITY MANHOLE	2 EA		
0239	5828000000-N	1530	REMOVE UTILITY MANHOLE	1 EA		
0240	5835700000-E	1540	16" ENCASEMENT PIPE	270 LF		
0241	5836000000-E	1540	24" ENCASEMENT PIPE	406 LF		
0242	5836400000-E	1540	36" ENCASEMENT PIPE	1,157 LF		
0243	5872500000-E	1550	BORE AND JACK OF *** (24")	346 LF		
0244	5872500000-E	1550	BORE AND JACK OF *** (36")	51 LF		
0245	5872600000-E	1550	DIRECTIONAL DRILLING OF *** (24")	815 LF		
0246	5882000000-N	SP	GENERIC UTILITY ITEM 10" PLUG VALVE	1 EA		

County : Johnston

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0247	5882000000-N	SP	GENERIC UTILITY ITEM 12" PLUG VALVE	24 EA		
0248	5882000000-N	SP	GENERIC UTILITY ITEM 8" PLUG VALVE	1 EA		
0249	6000000000-E	1605	TEMPORARY SILT FENCE	55,000 LF		
0250	6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	5,100 TON		
0251	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	9,000 TON		
0252	6012000000-E	1610	SEDIMENT CONTROL STONE	7,350 TON		
0253	6015000000-E	1615	TEMPORARY MULCHING	400 ACR		
0254	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	18,000 LB		
0255	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEED- ING	100 TON		
0256	6024000000-E	1622	TEMPORARY SLOPE DRAINS	6,000 LF		
0257	6029000000-E	SP	SAFETY FENCE	3,000 LF		
0258	6030000000-E	1630	SILT EXCAVATION	30,500 CY		
0259	6036000000-E	1631	MATTING FOR EROSION CONTROL	72,000 SY		
0260	6037000000-E	SP	COIR FIBER MAT	650 SY		
0261	6038000000-E	SP	PERMANENT SOIL REINFORCEMENT MAT	15,650 SY		
0262	6042000000-E	1632	1/4" HARDWARE CLOTH	9,200 LF		
0263	6043000000-E	SP	LOW PERMEABILITY GEOTEXTILE	925 SY		
0264	6045000000-E	SP	*** TEMPORARY PIPE (36")	160 LF		
0265	6048000000-E	SP	FLOATING TURBIDITY CURTAIN	3,000 SY		

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0266	6070000000-N	1639	SPECIAL STILLING BASINS	2 EA		
0267	6071012000-E	SP	COIR FIBER WATTLE	9,100 LF		
0268	6071013000-E	SP	WATTLE BARRIER	190 LF		
0269	6071020000-E	SP	POLYACRYLAMIDE (PAM)	8,000 LB		
0270	6071030000-E	1640	COIR FIBER BAFFLE	6,300 LF		
0271	6071050000-E	SP	*** SKIMMER (1-1/2")	53 EA		
0272	6071050000-E	SP	*** SKIMMER (2")	1 EA		
0273	6084000000-E	1660	SEEDING & MULCHING	250 ACR		
0274	6087000000-E	1660	MOWING	250 ACR		
0275	6090000000-E	1661	SEED FOR REPAIR SEEDING	4,350 LB		
0276	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	11.5 TON		
0277	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	7,175 LB		
0278	6102000000-E	1664	SODDING	7,270 SY		
0279	6105000000-E	1664	WATER	135 M/G		
0280	6108000000-E	1665	FERTILIZER TOPDRESSING	215.25 TON		
0281	6111000000-E	SP	IMPERVIOUS DIKE	297 LF		
0282	6114500000-N	1667	SPECIALIZED HAND MOWING	75 MHR		
0283	6117000000-N	SP	RESPONSE FOR EROSION CONTROL	100 EA		
0284	6117500000-N	SP	CONCRETE WASHOUT STRUCTURE	12 EA		
0285	6123000000-E	1670	REFORESTATION	5 ACR		

County : Johnston

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0286	6132000000-N	SP	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT	150 EA		
0287	6132000000-N	SP	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE	50 EA		
0288	6132000000-N	SP	GENERIC EROSION CONTROL ITEM FLOCCULANT BLOCK	40 EA		
0289	6135000000-E	SP	GENERIC EROSION CONTROL ITEM COMPOST BLANKET	5 ACR		
0290	7048500000-E	1705	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)	16 EA		
0291	7060000000-E	1705	SIGNAL CABLE	19,150 LF		
0292	7120000000-E	1705	VEHICLE SIGNAL HEAD (12", 3 SECTION)	90 EA		
0293	7132000000-E	1705	VEHICLE SIGNAL HEAD (12", 4 SECTION)	15 EA		
0294	7144000000-E	1705	VEHICLE SIGNAL HEAD (12", 5 SECTION)	6 EA		
0295	7252000000-E	1710	MESSENGER CABLE (1/4")	15,600 LF		
0296	7264000000-E	1710	MESSENGER CABLE (3/8")	2,950 LF		
0297	7279000000-E	1715	TRACER WIRE	7,600 LF		
0298	7300000000-E	1715	UNPAVED TRENCHING (***** (1, 2"))	11,120 LF		
0299	7300000000-E	1715	UNPAVED TRENCHING (***** (2, 2"))	310 LF		
0300	7300000000-E	1715	UNPAVED TRENCHING (***** (3, 2"))	340 LF		
0301	7301000000-E	1715	DIRECTIONAL DRILL (***** (2, 2"))	2,860 LF		
0302	7324000000-N	1716	JUNCTION BOX (STANDARD SIZE)	38 EA		

County : Johnston

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0303	7348000000-N	1716	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)	52 EA		
0304	7360000000-N	1720	WOOD POLE	16 EA		
0305	7372000000-N	1721	GUY ASSEMBLY	69 EA		
0306	7408000000-E	1722	1" RISER WITH WEATHERHEAD	4 EA		
0307	7420000000-E	1722	2" RISER WITH WEATHERHEAD	12 EA		
0308	7432000000-E	1722	2" RISER WITH HEAT SHRINK TUBING	10 EA		
0309	7444000000-E	1725	INDUCTIVE LOOP SAWCUT	7,400 LF		
0310	7456000000-E	1726	LEAD-IN CABLE (***** (14-2)	21,620 LF		
0311	7481000000-N	SP	SITE SURVEY	4 EA		
0312	7481240000-N	SP	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT	23 EA		
0313	7481260000-N	SP	EXTERNAL LOOP EMULATOR PROCESSING UNIT	4 EA		
0314	7481280000-N	SP	RELOCATE CAMERA SENSOR UNIT	1 EA		
0315	7516000000-E	1730	COMMUNICATIONS CABLE (**FIBER) (24)	24,600 LF		
0316	7528000000-E	1730	DROP CABLE	700 LF		
0317	7540000000-N	1731	SPLICE ENCLOSURE	6 EA		
0318	7552000000-N	1731	INTERCONNECT CENTER	6 EA		
0319	7566000000-N	1733	DELINEATOR MARKER	16 EA		
0320	7576000000-N	SP	METAL STRAIN SIGNAL POLE	4 EA		
0321	7588000000-N	SP	METAL POLE WITH SINGLE MAST ARM	14 EA		

County : Johnston

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0322	7590000000-N	SP	METAL POLE WITH DUAL MAST ARM	2	EA	
0323	7613000000-N	SP	SOIL TEST	20	EA	
0324	7614100000-E	SP	DRILLED PIER FOUNDATION	160	CY	
0325	7631000000-N	SP	MAST ARM WITH METAL POLE DE-SIGN	16	EA	
0326	7636000000-N	1745	SIGN FOR SIGNALS	24	EA	
0327	7642200000-N	1743	TYPE II PEDESTAL WITH FOUNDATION	8	EA	
0328	7684000000-N	1750	SIGNAL CABINET FOUNDATION	6	EA	
0329	7696000000-N	1751	CONTROLLERS WITH CABINET (*****) (TYPE 2070E, BASE MOUNTED)	6	EA	
0330	7744000000-N	1751	DETECTOR CARD (TYPE 170)	46	EA	
0331	7901000000-N	1753	CABINET BASE EXTENDER	6	EA	
0332	7960000000-N	SP	METAL POLE FOUNDATION REMOVAL	2	EA	
0333	7972000000-N	SP	METAL POLE REMOVAL	2	EA	
0334	7980000000-N	SP	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH	6	EA	
0335	7980000000-N	SP	GENERIC SIGNAL ITEM JUNCTION BOX MARKER	30	EA	
0336	7980000000-N	SP	GENERIC SIGNAL ITEM MICROWAVE VEHICLE DETECTION SYSTEM - MULTIPLE ZONES	1	EA	
0337	7980000000-N	SP	GENERIC SIGNAL ITEM PROTECTIVE COAT FOR DUAL MAST ARM POLE (BLACK)	2	EA	
0338	7980000000-N	SP	GENERIC SIGNAL ITEM PROTECTIVE COAT FOR SIGNAL PEDESTAL (BLACK)	8	EA	

County : Johnston

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0339	7980000000-N	SP	GENERIC SIGNAL ITEM PROTECTIVE COAT FOR SINGLE MAST ARM POLE (BLACK)	14 EA		
0377	1275000000-E	600	PRIME COAT	8,218 GAL		
0378	4650000000-N	1251	TEMPORARY RAISED PAVEMENT MARKERS	1,925 EA		
0379	5666000000-N	1515	FIRE HYDRANT	11 EA		
380	5815500000-N	1530	REMOVE FIRE HYDRANT	11 EA		
381	6045000000-E	SP	*** TEMPORARY PIPE (24")	97 LF		

CULVERT ITEMS

0340	8056000000-N	402	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (114+23.00 -L-)	Lump Sum	L.S.	
0341	8056000000-N	402	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (167+03.45 -L-)	Lump Sum	L.S.	
0342	8065000000-N	SP	ASBESTOS ASSESSMENT	Lump Sum	L.S.	
0343	8126000000-N	414	CULVERT EXCAVATION, STA ***** (114+23.00 -L-)	Lump Sum	L.S.	
0344	8126000000-N	414	CULVERT EXCAVATION, STA ***** (167+03.45 -L-)	Lump Sum	L.S.	
0345	8133000000-E	414	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT	610 TON		
0346	8196000000-E	420	CLASS A CONCRETE (CULVERT)	948.4 CY		
0347	8245000000-E	425	REINFORCING STEEL (CULVERT)	161,058 LB		

County : Johnston

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0348	8821000000-E	SP	GENERIC CULVERT ITEM TEMPORARY SHORING FOR RISER CONSTRUCTION	10,600 SF		

WALL ITEMS

0349	8847000000-E	SP	GENERIC RETAINING WALL ITEM ARCHITECTURAL SURFACE TREATMENT	54,652 SF		
0350	8847000000-E	SP	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL NW2	6,822 SF		
0351	8847000000-E	SP	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL NW2A	12,147 SF		
0352	8847000000-E	SP	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL NW3	14,955 SF		

STRUCTURE ITEMS

0353	8017000000-N	SP	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (64+20.00 -L-)	Lump Sum	L.S.	
0354	8035000000-N	402	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (64+20.00 -L-)	Lump Sum	L.S.	
0355	8065000000-N	SP	ASBESTOS ASSESSMENT	Lump Sum	L.S.	
0356	8105500000-E	411	***L*** DIA DRILLED PIERS IN SOIL (4'-6")	108.5 LF		
0357	8105600000-E	411	***L*** DIA DRILLED PIERS NOT IN SOIL (4'-6")	144 LF		
0358	8111000000-E	411	PERMANENT STEEL CASING FOR ***L*** DIA DRILLED PIER (4'-6")	125.55 LF		

County : Johnston

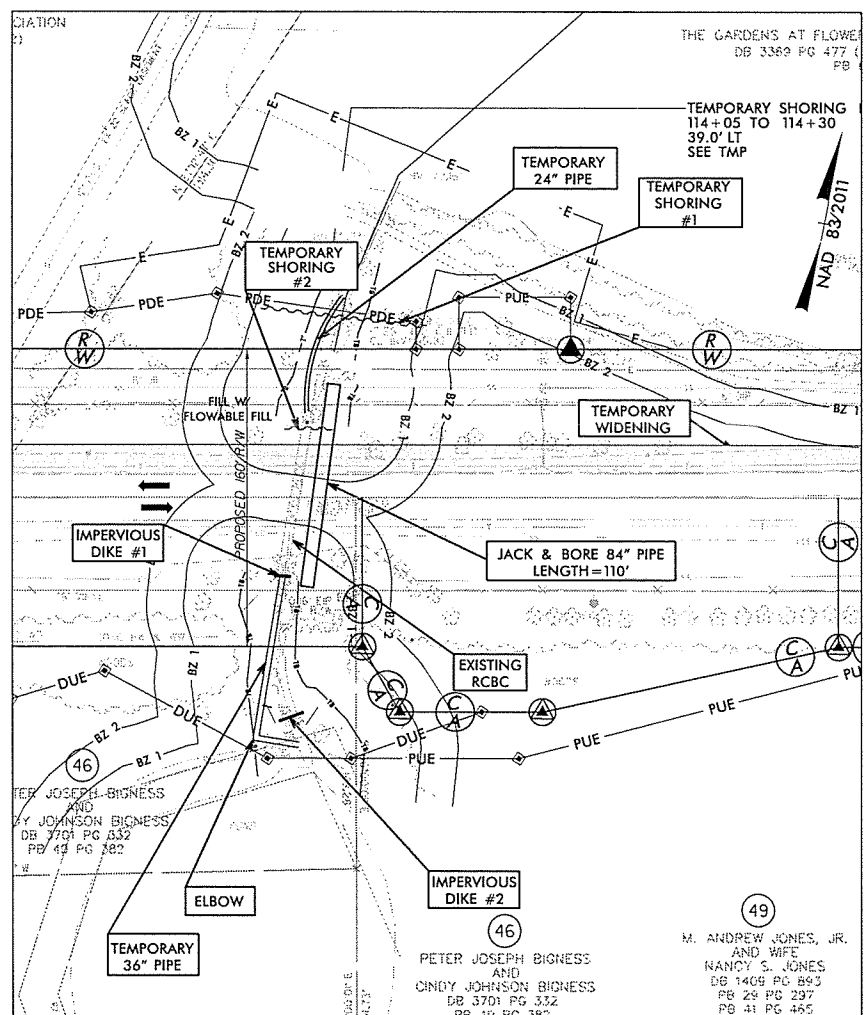
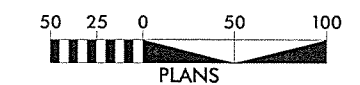
Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0359	8113000000-N	411	SID INSPECTIONS	1 EA		
0360	8115000000-N	411	CSL TESTING	1 EA		
0361	8121000000-N	412	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (64+20.00 -L-)	Lump Sum	L.S.	
0362	8147000000-E	420	REINFORCED CONCRETE DECK SLAB	36,378 SF		
0363	8161000000-E	420	GROOVING BRIDGE FLOORS	30,818 SF		
0364	8182000000-E	420	CLASS A CONCRETE (BRIDGE)	421.4 CY		
0365	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (64+20.00 -L-)	Lump Sum	L.S.	
0366	8217000000-E	425	REINFORCING STEEL (BRIDGE)	96,044 LB		
0367	8238000000-E	425	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)	12,290 LB		
0368	8277000000-E	430	MODIFIED 72" PRESTRESSED CONC GIRDERS	4,097.5 LF		
0369	8328200000-E	450	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP12 X 53)	40 EA		
0370	8364000000-E	450	HP12X53 STEEL PILES	1,200 LF		
0371	8475000000-E	460	TWO BAR METAL RAIL	733.67 LF		
0372	8517000000-E	460	1'-***X ***** CONCRETE PARAPET (1'-2" X 2'-6")	748.67 LF		
0373	8517000000-E	460	1'-***X ***** CONCRETE PARAPET (1'-2" X 2'-8")	423.33 LF		
0374	8608000000-E	876	RIP RAP CLASS II (2'-0" THICK)	1,033 TON		
0375	8622000000-E	876	GEOTEXTILE FOR DRAINAGE	1,149 SY		

County : Johnston

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0376	8657000000-N	430	ELASTOMERIC BEARINGS	Lump Sum	L.S.	

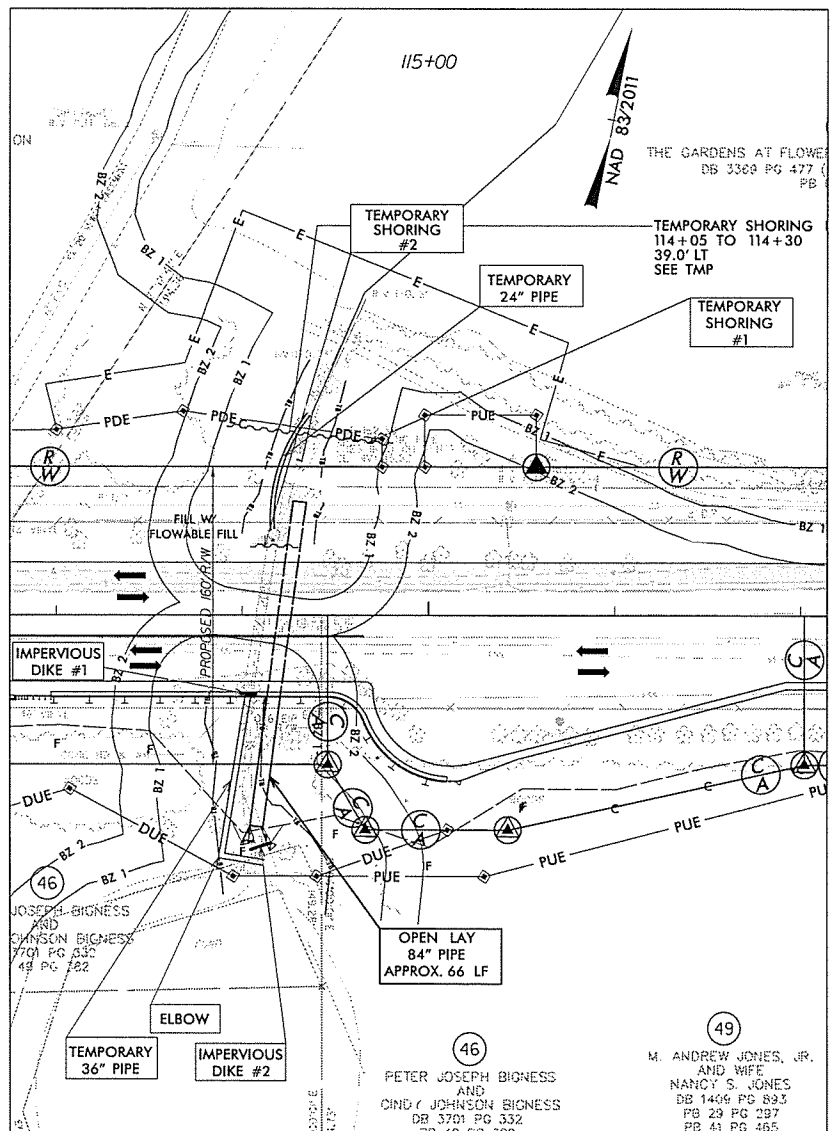
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Total Amount Of Bid For Entire Project :



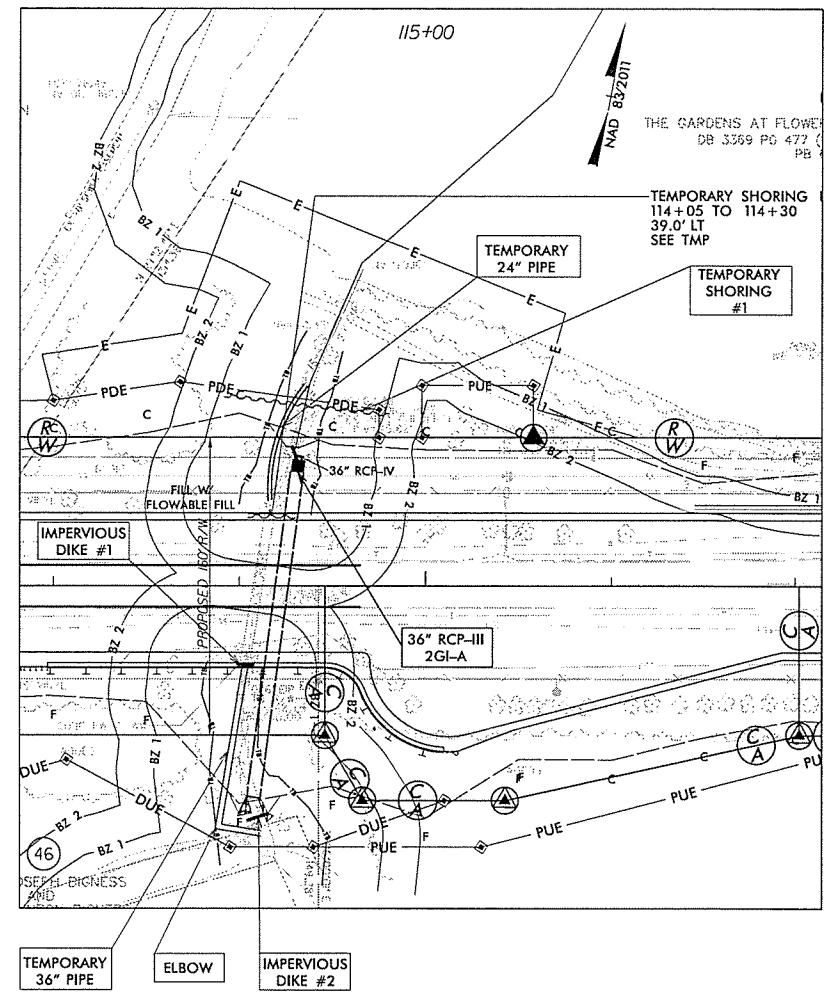
**CULVERT CONSTRUCTION SEQUENCE
STA. 114+23 -L-
PHASE I**

1. KEEP TRAFFIC ON EXISTING PAVEMENT.
2. MAINTAIN FLOW IN EXISTING RCBC.
3. INSTALL SPECIAL STILLING BASIN(S).
4. INSTALL 24" TEMPORARY PIPE TO CARRY STREAM FLOW FROM 24" CMP POND DISCHARGE TO EXISTING VERTICAL RISER AT UPSTREAM END OF EXISTING CULVERT.
5. INSTALL TEMPORARY SHORING #1 (SEE STRUCTURE PLAN SHEET C2-1).
6. INSTALL TEMPORARY 36" PIPE AND ELBOW, AND IMPERVIOUS DIKE #1 IN DOWNSTREAM END OF EXISTING CULVERT.
7. WHILE MAINTAINING FLOW IN EXISTING RCBC, JACK AND BORE 84" PIPE (APPROXIMATELY 110 LF).
8. INSTALL TEMPORARY SHORING #2 (SEE STRUCTURE PLAN SHEET C2-1) AND CONSTRUCT TEMPORARY WIDENING.
9. INSTALL IMPERVIOUS DIKE #2.



**CULVERT CONSTRUCTION SEQUENCE (STA. 114+23 -L-)
PHASE II**

1. KEEP THE FOLLOWING DEVICES INSTALLED IN PHASE I IN OPERATION: SPECIAL STILLING BASIN(S), SHORINGS #1 AND #2, IMPERVIOUS DIKES #1, AND #2, AND THE TEMPORARY 24" AND 36" PIPES.
2. SHIFT TRAFFIC ONTO TEMPORARY WIDENING.
3. WHILE MAINTAINING FLOW IN EXISTING RCBC, (AND THE TEMPORARY PIPE INSTALLED IN PHASE I), OPEN LAY 84" PIPE (APPROXIMATELY 66 LF) AND CONSTRUCT ENDWALL AND OUTLET CHANNEL WORK.
4. CONSTRUCT EASTBOUND LANES.



**CULVERT CONSTRUCTION SEQUENCE (STA. 114+23 -L-)
PHASE III**

1. KEEP THE FOLLOWING DEVICES INSTALLED IN PHASE I IN OPERATION : SPECIAL STILLING BASIN(S) SHORING #1, IMPERVIOUS DIKES #1 AND #2, AND THE TEMPORARY 24" AND 36" PIPES.
2. SHIFT TRAFFIC ONTO THE EASTBOUND LANES.
3. WHILE MAINTAINING FLOW IN EXISTING RCBC, (AND THE TEMPORARY PIPE INSTALLED IN PHASE I), CONSTRUCT PROPOSED 36" RCP-CLASS III, 2GI-A AND HEADWALL.
4. DIVERT FLOW INTO 84" PIPE.
5. REMOVE THE FOLLOWING DEVICES INSTALLED IN PHASE I: SPECIAL STILLING BASIN(S), SHORING #1, IMPERVIOUS DIKES #1 AND #2, AND THE TEMPORARY 24" AND 36" PIPES.
6. COMPLETE ROADWAY AND STABILIZE DISTURBED AREAS.

REVISIONS

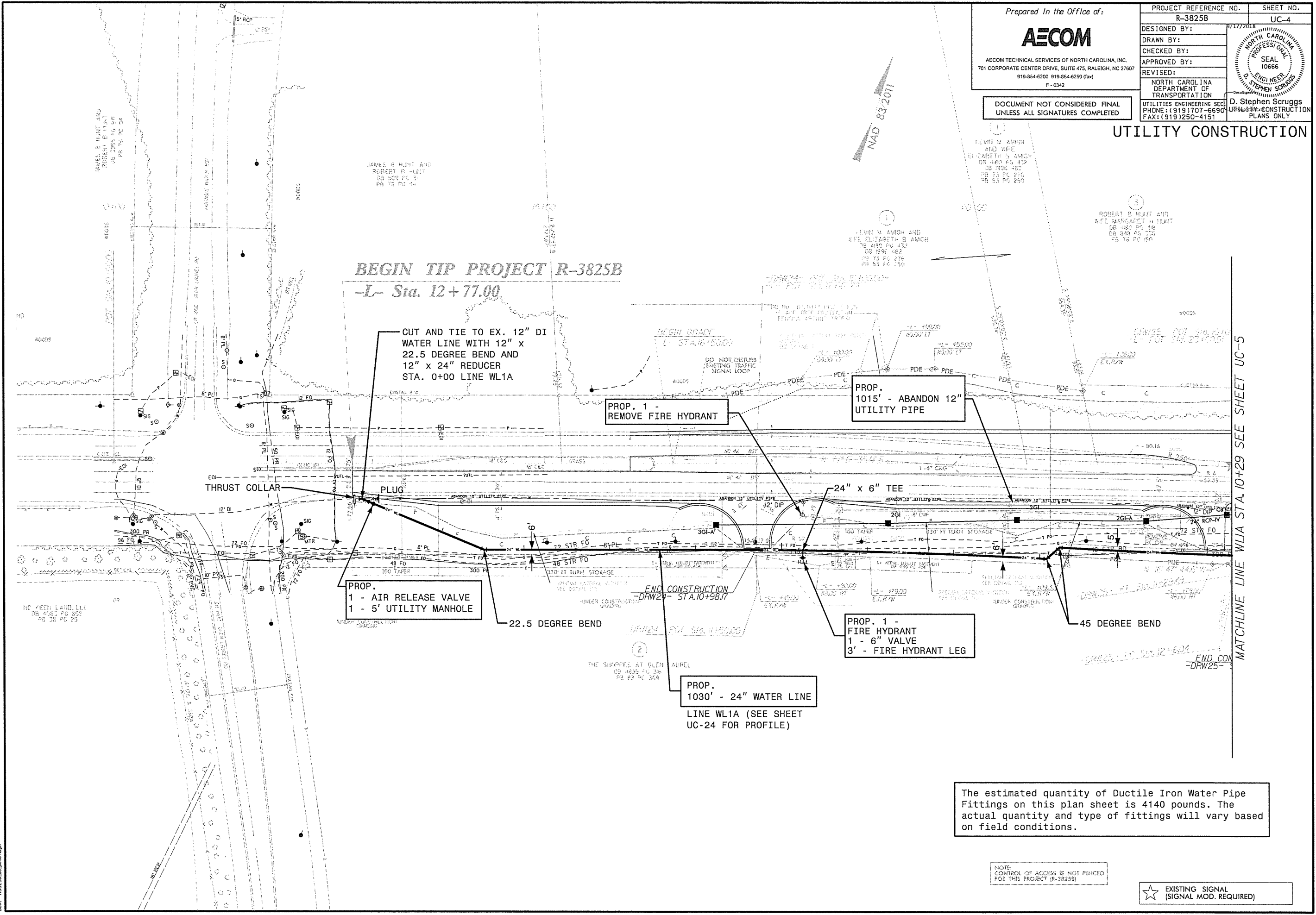
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DGN: R3825B.ec-12a/const12.dgn

Prepared in the Office of:
AECOM
AECOM TECHNICAL SERVICES OF NORTH CAROLINA, INC.
701 CORPORATE CENTER DRIVE, SUITE 475, RALEIGH, NC 27607
919-854-6200 919-854-6250 (fax)
F - 0342

PROJECT REFERENCE NO.	R-3825B	SHEET NO.	UC-4
DESIGNED BY:		DATE:	07/17/2018
DRAWN BY:			
CHECKED BY:			
APPROVED BY:			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		D. Stephen Scruggs UTILITIES ENGINEERING SECTION PHONE: (919) 707-6690 FAX: (919) 250-4151	

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

UTILITY CONSTRUCTION



BEGIN TIP PROJECT R-3825B
-L- Sta. 12+77.00

CUT AND TIE TO EX. 12" DI
WATER LINE WITH 12" x
22.5 DEGREE BEND AND
12" x 24" REDUCER
STA. 0+00 LINE WL1A

PROP. 1 -
REMOVE FIRE HYDRANT

PROP.
1015' - ABANDON 12"
UTILITY PIPE

PROP.
1 - AIR RELEASE VALVE
1 - 5' UTILITY MANHOLE

PROP. 1 -
FIRE HYDRANT
1 - 6" VALVE
3' - FIRE HYDRANT LEG

PROP.
1030' - 24" WATER LINE
LINE WL1A (SEE SHEET
UC-24 FOR PROFILE)

The estimated quantity of Ductile Iron Water Pipe Fittings on this plan sheet is 4140 pounds. The actual quantity and type of fittings will vary based on field conditions.

NOTE:
CONTROL OF ACCESS IS NOT FENCED
FOR THIS PROJECT (R-3825B)

★ EXISTING SIGNAL
(SIGNAL MOD. REQUIRED)

MATCHLINE LINE WL1A STA. 10+29 SEE SHEET UC-5

DATE: 9/17/2018
TIME: 10:58:33 AM
DRN: R3825B-UC-0401.dgn

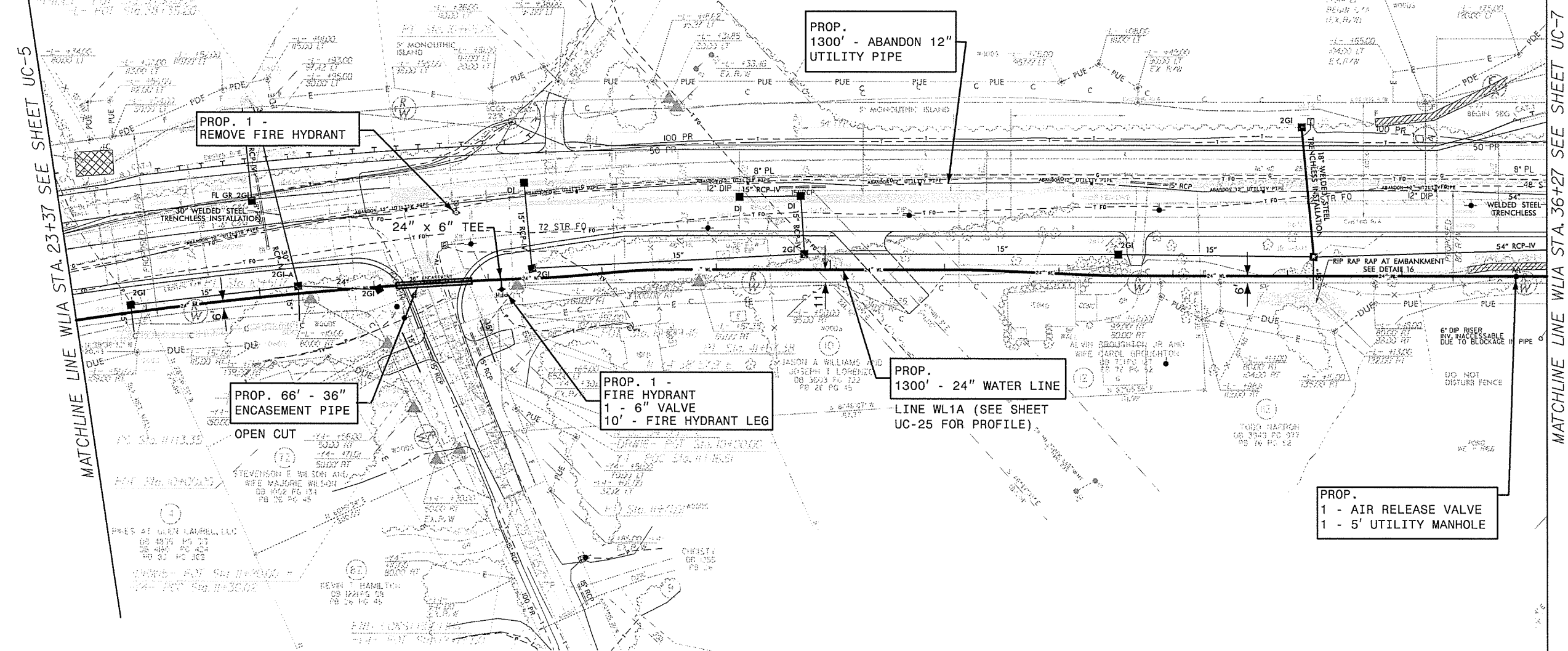
Prepared in the Office of:
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701 CORPORATE CENTER DRIVE, SUITE 475, RALEIGH, NC 27607
919-854-6200 919-854-6250 (fax)
F - 0342

PROJECT REFERENCE NO.	R-3825B	SHEET NO.	UC-6
DESIGNED BY:		DATE:	07/17/2018
DRAWN BY:			
CHECKED BY:			
APPROVED BY:			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		D. Stephen Scruggs SEAL 10666 ENGR. NEER STEPHEN SCRUGGS	
UTILITIES ENGINEERING SECTION		UTILITY CONSTRUCTION PLANS ONLY	

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

UTILITY CONSTRUCTION

NAD 83/2011



MATCHLINE LINE WL1A STA. 23+37 SEE SHEET UC-5

MATCHLINE LINE WL1A STA. 36+27 SEE SHEET UC-7

PROP.
1300' - ABANDON 12"
UTILITY PIPE

PROP. 1 -
REMOVE FIRE HYDRANT

PROP. 66' - 36"
ENCASEMENT PIPE
OPEN CUT

PROP. 1 -
FIRE HYDRANT
1 - 6" VALVE
10' - FIRE HYDRANT LEG

PROP.
1300' - 24" WATER LINE
LINE WL1A (SEE SHEET
UC-25 FOR PROFILE)

PROP.
1 - AIR RELEASE VALVE
1 - 5' UTILITY MANHOLE

The estimated quantity of Ductile Iron Water Pipe Fittings on this plan sheet is 985 pounds. The actual quantity and type of fittings will vary based on field conditions.

DATE: 9/11/2008
TIME: 10:00:00 PM
CEN: P20250.nc.pln056m

Prepared in the Office of:

AECOM

AECOM TECHNICAL SERVICES OF NORTH CAROLINA, INC.
701 CORPORATE CENTER DRIVE, SUITE 475, RALEIGH, NC 27607
919-854-6200 919-854-6259 (fax)
F - 0342

PROJECT REFERENCE NO. R-3825B
SHEET NO. UC-7

DESIGNED BY: 9/17/2018
DRAWN BY:
CHECKED BY:
APPROVED BY:
REVISED:

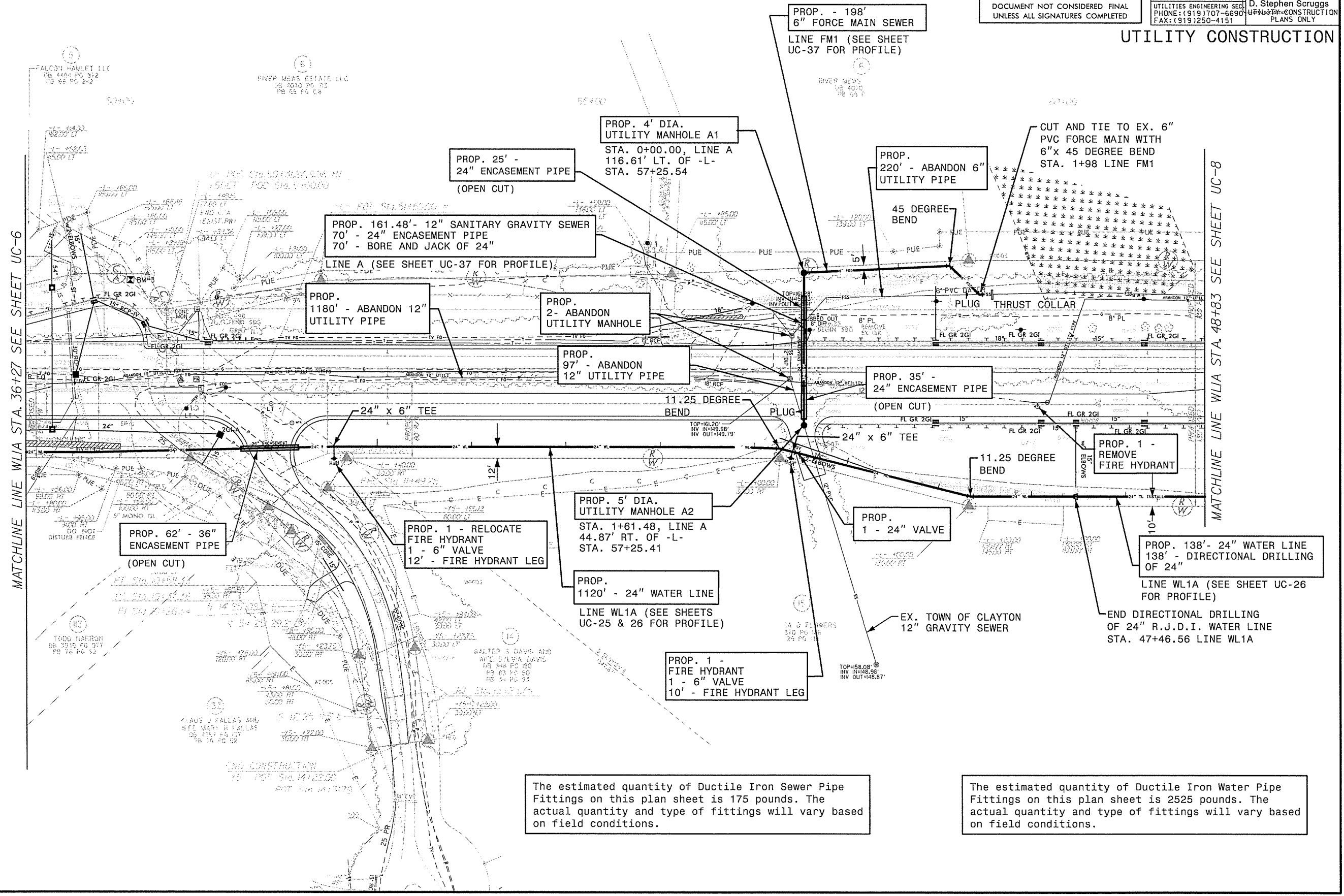
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

UTILITIES ENGINEERING SECTION
PHONE: (919) 707-6690
FAX: (919) 250-4151

D. Stephen Scruggs
REGISTERED PROFESSIONAL ENGINEER
SEAL 10666

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

UTILITY CONSTRUCTION



The estimated quantity of Ductile Iron Sewer Pipe Fittings on this plan sheet is 175 pounds. The actual quantity and type of fittings will vary based on field conditions.

The estimated quantity of Ductile Iron Water Pipe Fittings on this plan sheet is 2525 pounds. The actual quantity and type of fittings will vary based on field conditions.

DATE: 9/17/2018
TIME: 10:02:39 PM
DRN: R3825B-UC-007.dgn

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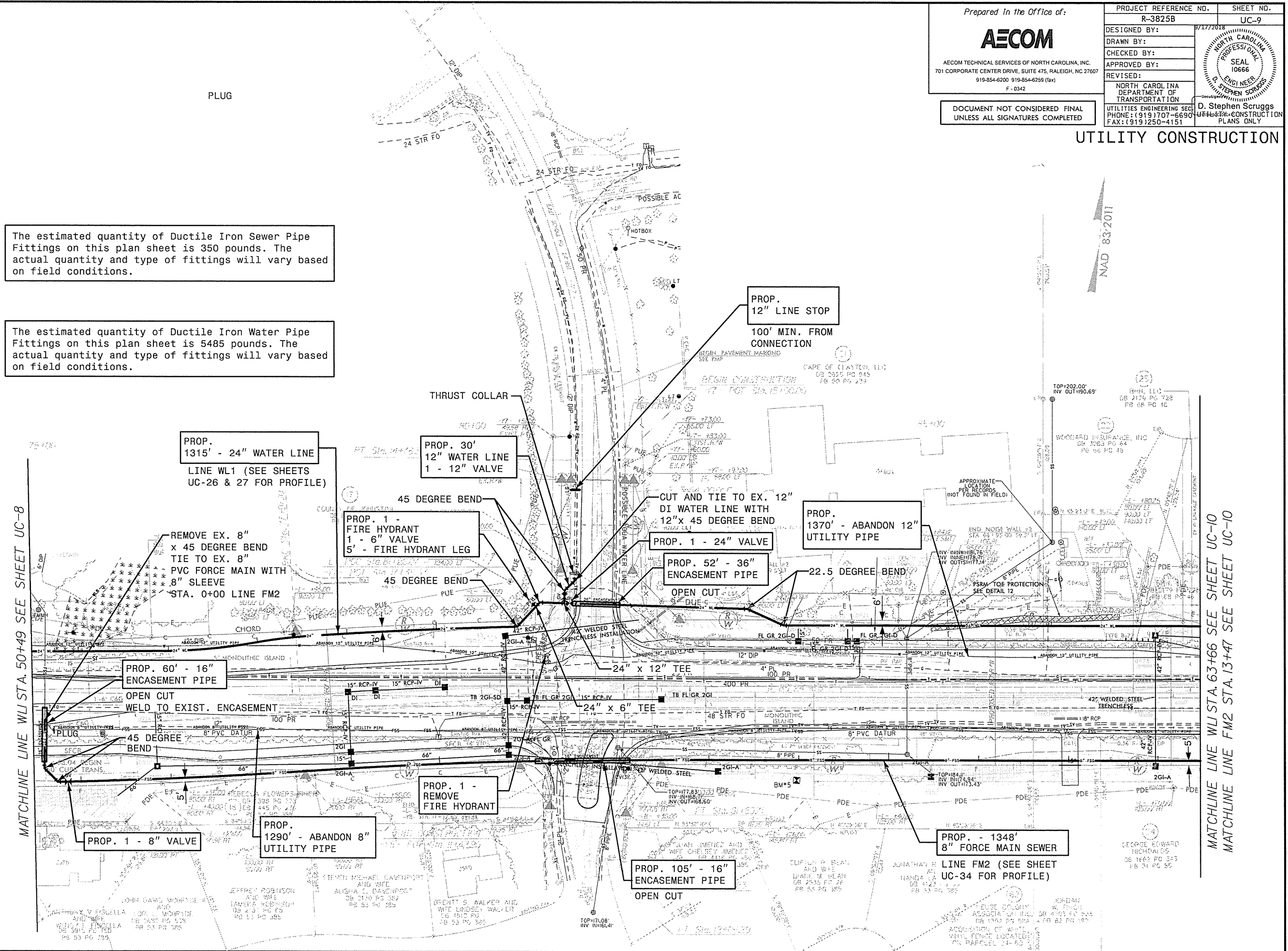
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UNLESS ALL SIGNATURES COMPLETED

PROJECT REFERENCE NO.	R-3825B	SHEET NO.	UC-9
DESIGNED BY:		DATE:	07/17/2018
DRAWN BY:			
CHECKED BY:			
APPROVED BY:			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		D. Stephen Scruggs REGISTERED PROFESSIONAL ENGINEER LICENSE NO. 10666	
UTILITIES ENGINEERING SECTION		UTILITY CONSTRUCTION PLANS ONLY	
PHONE: (919) 707-6690		FAX: (919) 250-4151	

UTILITY CONSTRUCTION

The estimated quantity of Ductile Iron Sewer Pipe Fittings on this plan sheet is 350 pounds. The actual quantity and type of fittings will vary based on field conditions.

The estimated quantity of Ductile Iron Water Pipe Fittings on this plan sheet is 5485 pounds. The actual quantity and type of fittings will vary based on field conditions.



DATE: 9/11/2008
TIME: 10:00:09 PM
DRAWN: R3825B-UC-9.dwg

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PROJECT REFERENCE NO.	R-3825B	SHEET NO.	UC-10
DESIGNED BY:		DATE:	9/17/2018
DRAWN BY:			
CHECKED BY:			
APPROVED BY:			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		D. Stephen Scruggs UTILITY ENGINEERING SECTION PHONE: (919) 707-6690 FAX: (919) 250-4151	

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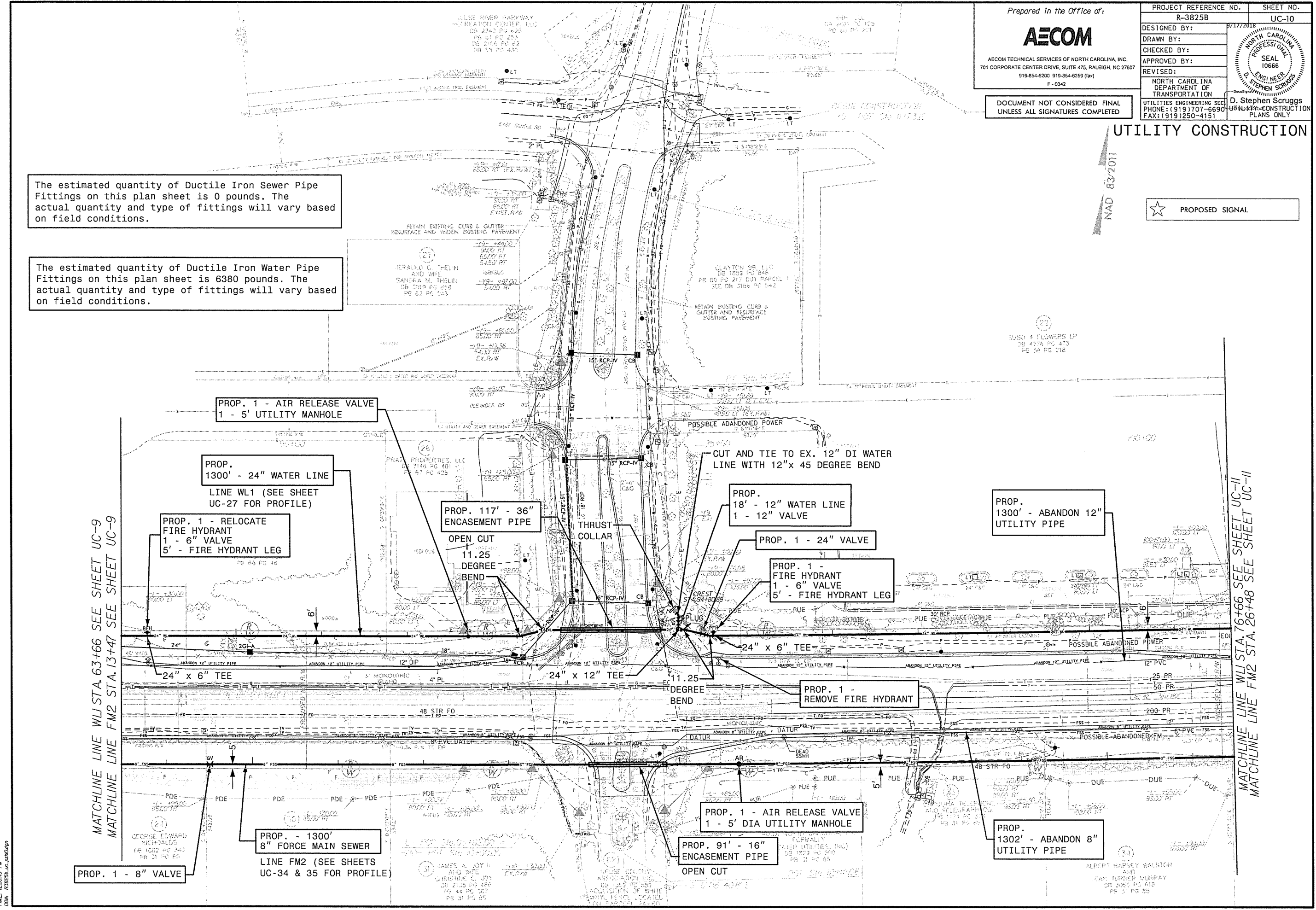
UTILITY CONSTRUCTION

NAD 83/2011

★ PROPOSED SIGNAL

The estimated quantity of Ductile Iron Sewer Pipe Fittings on this plan sheet is 0 pounds. The actual quantity and type of fittings will vary based on field conditions.

The estimated quantity of Ductile Iron Water Pipe Fittings on this plan sheet is 6380 pounds. The actual quantity and type of fittings will vary based on field conditions.



MATCHLINE LINE WL1 STA. 63+66 SEE SHEET UC-9
MATCHLINE LINE FM2 STA. 13+47 SEE SHEET UC-9

MATCHLINE LINE WL1 STA. 76+66 SEE SHEET UC-11
MATCHLINE LINE FM2 STA. 26+48 SEE SHEET UC-11

DATE: 9/17/2018
TIME: 10:26:43 PM
DRAWN: 130252/UC-10/000

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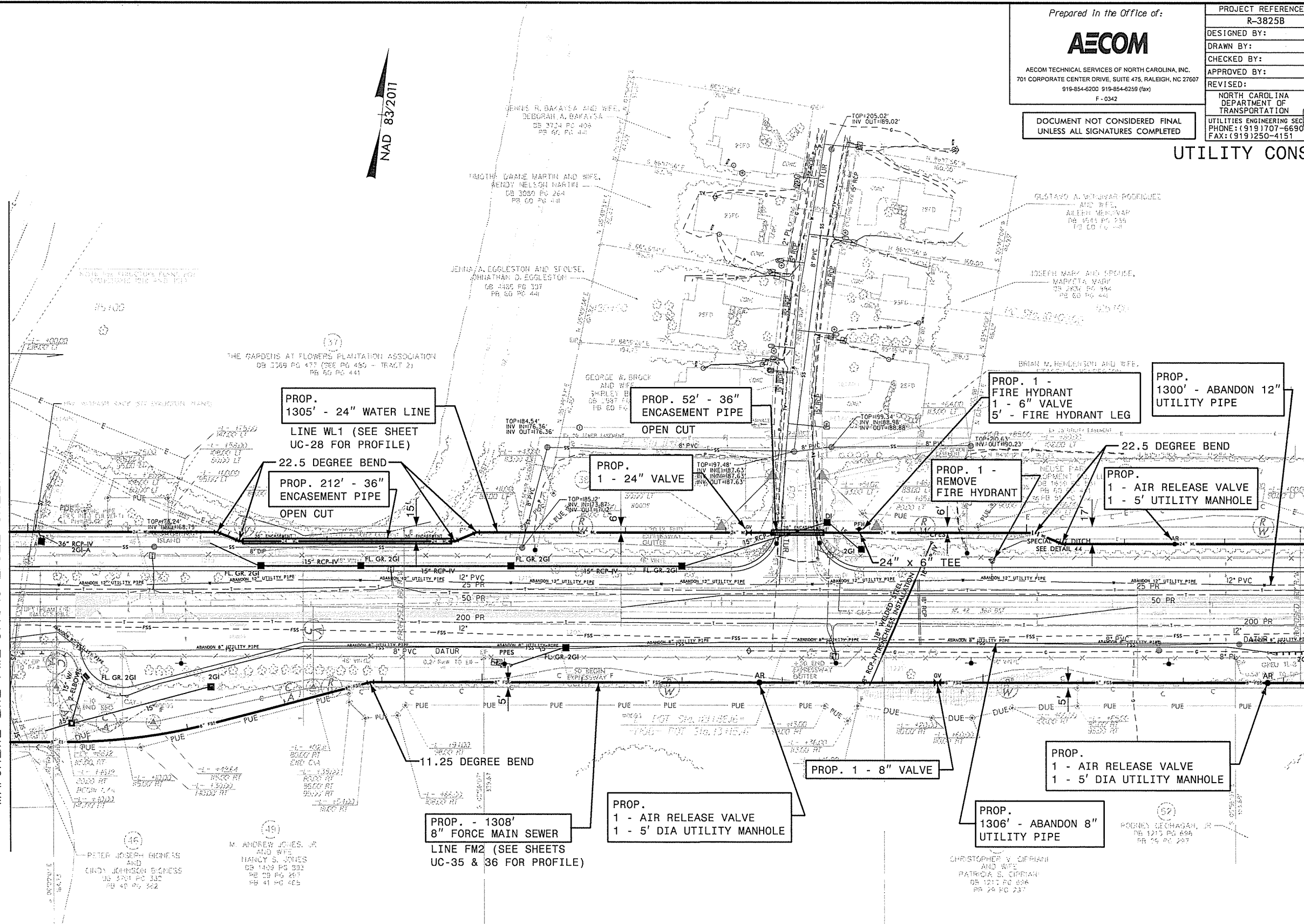
PROJECT REFERENCE NO. R-3825B	SHEET NO. UC-12
DESIGNED BY:	7/17/2018
DRAWN BY:	
CHECKED BY:	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
D. Stephen Scruggs REGISTERED PROFESSIONAL ENGINEER LICENSE NO. 48888 EXPIRES 12/31/2018	
UTILITIES ENGINEERING SECTION PHONE: (919) 707-6590 FAX: (919) 250-4151	

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UNLESS ALL SIGNATURES COMPLETED

UTILITY CONSTRUCTION

MATCHLINE LINE WL1 STA. 89+82 SEE SHEET UC-II
MATCHLINE LINE FM2 STA. 40+21 SEE SHEET UC-II

MATCHLINE LINE WL1 STA. 102+88 SEE SHEET UC-13
MATCHLINE LINE FM2 STA. 53+28 SEE SHEET UC-13



PROP. 1305' - 24" WATER LINE
LINE WL1 (SEE SHEET UC-28 FOR PROFILE)

22.5 DEGREE BEND
PROP. 212' - 36" ENCASUREMENT PIPE
OPEN CUT

PROP. 52' - 36" ENCASUREMENT PIPE
OPEN CUT

PROP. 1 - 24" VALVE

PROP. 1 - FIRE HYDRANT
1 - 6" VALVE
5' - FIRE HYDRANT LEG

PROP. 1300' - ABANDON 12" UTILITY PIPE

PROP. 1 - REMOVE FIRE HYDRANT

PROP. 1 - AIR RELEASE VALVE
1 - 5' UTILITY MANHOLE

PROP. - 1308' 8" FORCE MAIN SEWER
LINE FM2 (SEE SHEETS UC-35 & 36 FOR PROFILE)

PROP. 1 - AIR RELEASE VALVE
1 - 5' DIA UTILITY MANHOLE


PROP. 1 - 8" VALVE

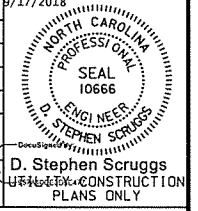
PROP. 1 - AIR RELEASE VALVE
1 - 5' DIA UTILITY MANHOLE

PROP. 1306' - ABANDON 8" UTILITY PIPE

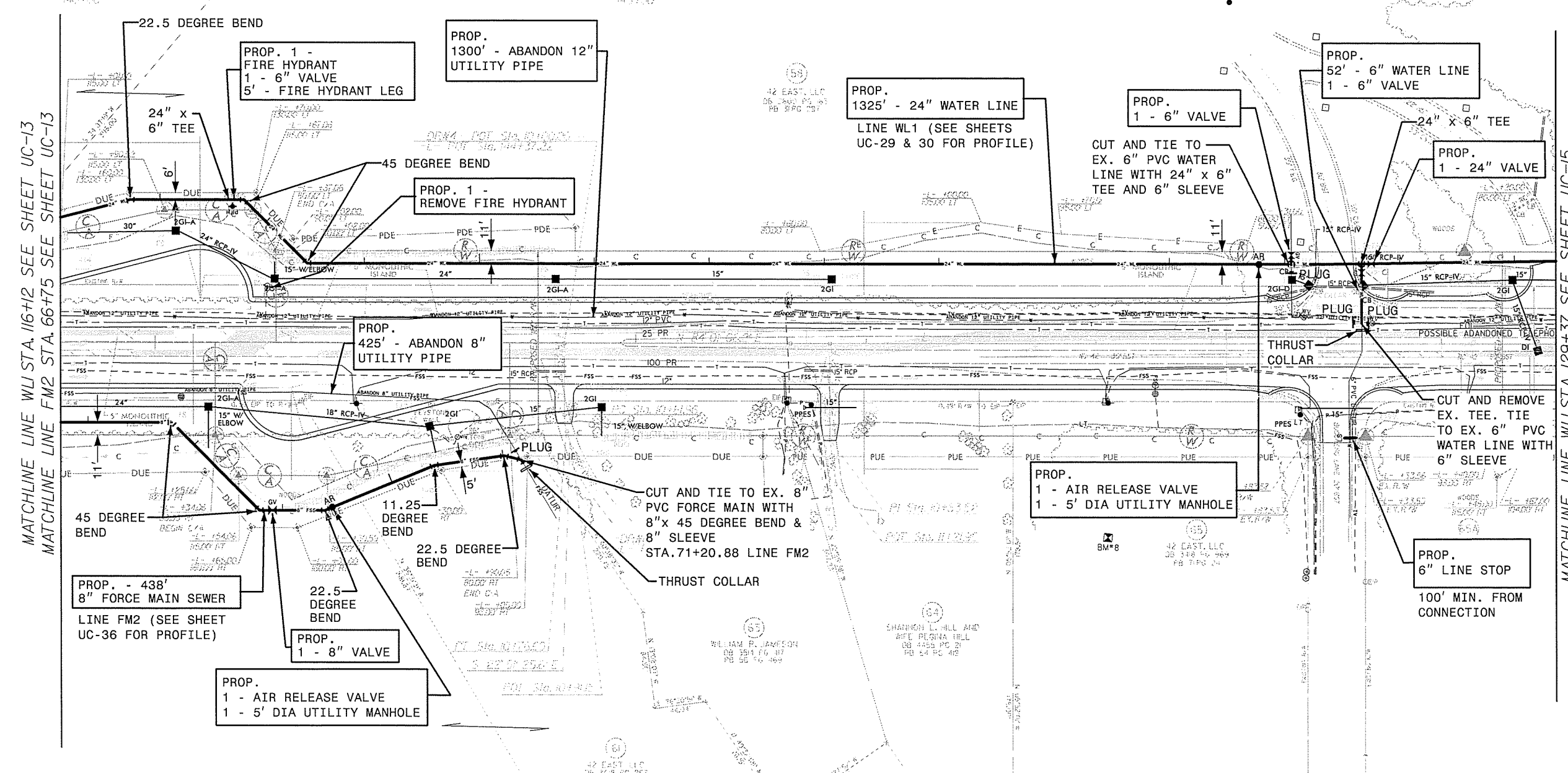
The estimated quantity of Ductile Iron Sewer Pipe Fittings on this plan sheet is 110 pounds. The actual quantity and type of fittings will vary based on field conditions.

The estimated quantity of Ductile Iron Water Pipe Fittings on this plan sheet is 5575 pounds. The actual quantity and type of fittings will vary based on field conditions.

Prepared in the Office of:		PROJECT REFERENCE NO.	SHEET NO.
 AECOM TECHNICAL SERVICES OF NORTH CAROLINA, INC. 701 CORPORATE CENTER DRIVE, SUITE 475, RALEIGH, NC 27607 919-854-6200 919-854-6259 (fax) F - 0342		R-3825B	UC-14
		DESIGNED BY:	9/17/2010
		DRAWN BY:	
		CHECKED BY:	
		APPROVED BY:	
		REVISED:	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SECTION PHONE: (919) 707-6690 FAX: (919) 250-4151	



UTILITY CONSTRUCTION



MATCHLINE LINE WL1 STA. 116+12 SEE SHEET UC-13
MATCHLINE LINE FM2 STA. 66+75 SEE SHEET UC-13

MATCHLINE LINE WL1 STA. 129+37 SEE SHEET UC-15

NAD 83/2011

The estimated quantity of Ductile Iron Sewer Pipe Fittings on this plan sheet is 790 pounds. The actual quantity and type of fittings will vary based on field conditions.

The estimated quantity of Ductile Iron Water Pipe Fittings on this plan sheet is 5555 pounds. The actual quantity and type of fittings will vary based on field conditions.


DATE: 9/17/2010
TIME: 8:00:00 PM
CON: R0302000.dwg

Prepared in the Office of:

AECOM

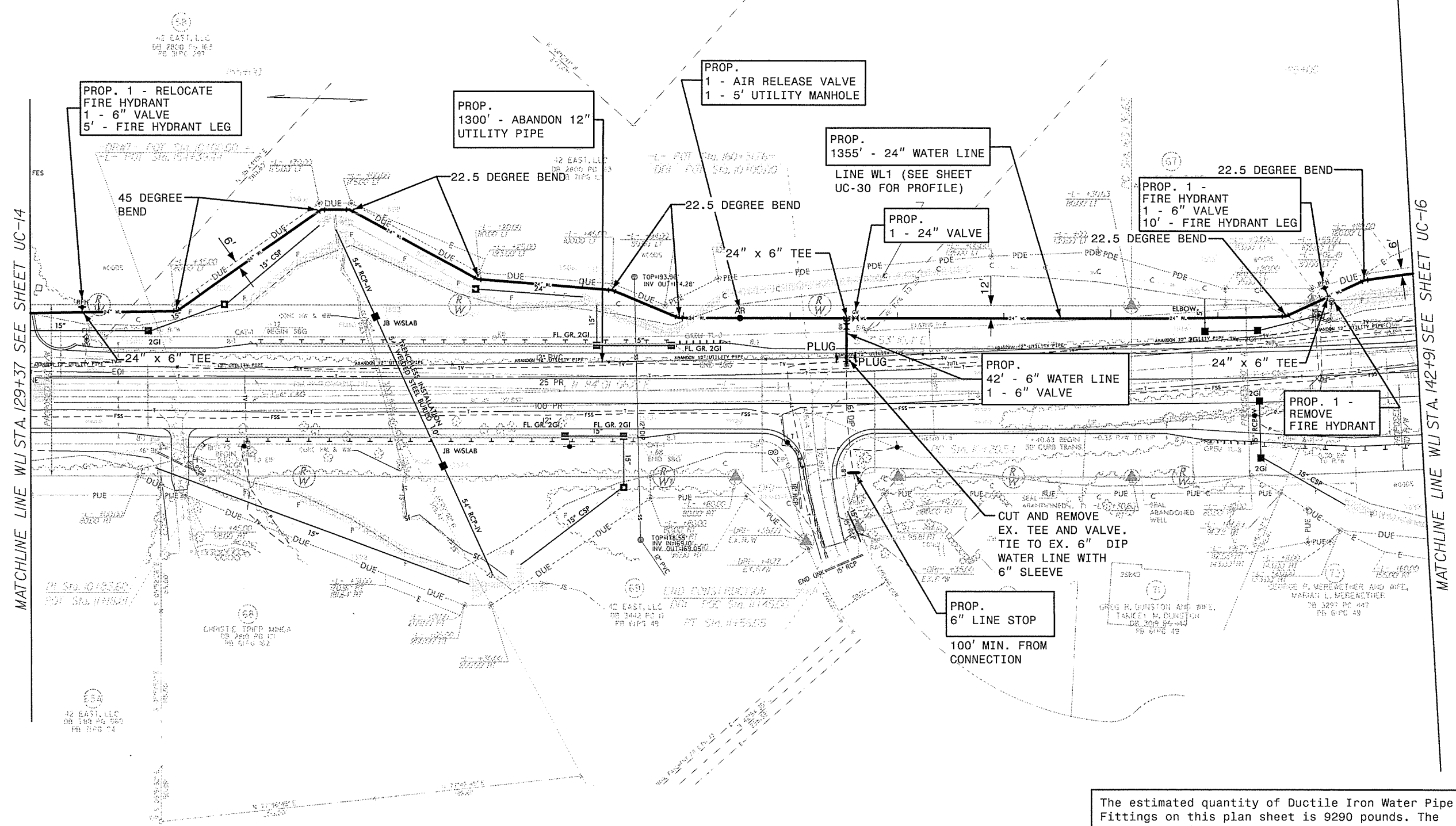
AECOM TECHNICAL SERVICES OF NORTH CAROLINA, INC.
701 CORPORATE CENTER DRIVE, SUITE 475, RALEIGH, NC 27607
919-854-6200 919-854-6259 (fax)
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PROJECT REFERENCE NO.		SHEET NO.	
R-3825B		UC-15	
DESIGNED BY:	9/17/2018		
DRAWN BY:			
CHECKED BY:			
APPROVED BY:			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		D. Stephen Scroggs	
UTILITIES ENGINEERING SECTION		UTILITY CONSTRUCTION PLANS ONLY	
PHONE: (919) 707-6690			
FAX: (919) 250-4151			

UTILITY CONSTRUCTION

NAD 83/2011



The estimated quantity of Ductile Iron Water Pipe Fittings on this plan sheet is 9290 pounds. The actual quantity and type of fittings will vary based on field conditions.

DATE: 9/17/2018
TIME: 12:16 PM
DRN: R3825B-UC-15.dwg

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DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

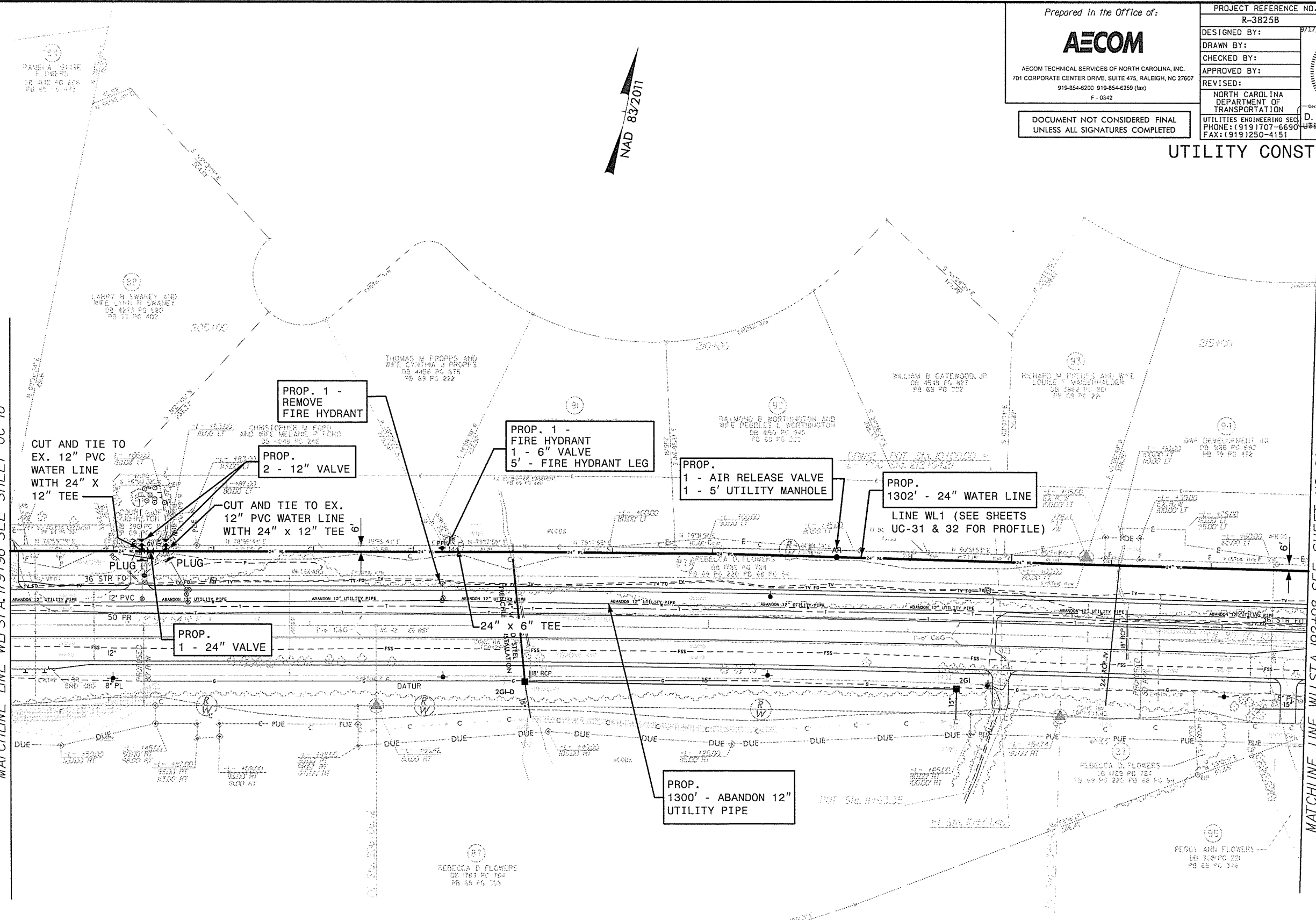
PROJECT REFERENCE NO.	R-3825B	SHEET NO.	UC-19
DESIGNED BY:		DATE	9/17/2018
DRAWN BY:			
CHECKED BY:			
APPROVED BY:			
REVISIONS:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		D. Stephen Scruggs SEAL 10666 ENGINEER	
UTILITIES ENGINEERING SECTION		UNIVERSITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION



MATCHLINE LINE WLI STA. 179+96 SEE SHEET UC-18

MATCHLINE LINE WLI STA. 192+98 SEE SHEET UC-20



CUT AND TIE TO EX. 12" PVC WATER LINE WITH 24" X 12" TEE

PROP. 1 - REMOVE FIRE HYDRANT

PROP. 2 - 12" VALVE

CUT AND TIE TO EX. 12" PVC WATER LINE WITH 24" X 12" TEE

PROP. 1 - FIRE HYDRANT
1 - 6" VALVE
5' - FIRE HYDRANT LEG

PROP.
1 - AIR RELEASE VALVE
1 - 5' UTILITY MANHOLE

PROP.
1302' - 24" WATER LINE
LINE WL1 (SEE SHEETS UC-31 & 32 FOR PROFILE)

PROP. 1 - 24" VALVE

PROP. 1300' - ABANDON 12" UTILITY PIPE

The estimated quantity of Ductile Iron Water Pipe Fittings on this plan sheet is 3215 pounds. The actual quantity and type of fittings will vary based on field conditions.

DATE: 9/17/2018
TIME: 03:30 PM
DWG: R3825B-UC-19.dwg

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PROJECT REFERENCE NO.	R-3825B	SHEET NO.	UC-20
DESIGNED BY:	9/17/2018		
DRAWN BY:			
CHECKED BY:			
APPROVED BY:			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		D. Stephen Scruggs UTILITIES ENGINEERING SECTION PHONE: (919) 707-6690 FAX: (919) 250-4151	

UTILITY CONSTRUCTION



MATCHLINE LINE WL1 STA. 192+98 SEE SHEET UC-19

MATCHLINE LINE WL1 STA. 205+99 SEE SHEET UC-21

PROP. 1 - RELOCATE FIRE HYDRANT
1 - 6" VALVE
5' - FIRE HYDRANT LEG
LOCATE AT HIGH POINT

PROP. 1 - 24" VALVE

PROP. 95' - 36" ENCASEMENT PIPE

PROP. 1300' - 24" WATER LINE
LINE WL1 (SEE SHEET UC-32 FOR PROFILE)

PROP. 1 - FIRE HYDRANT
1 - 6" VALVE
12' - FIRE HYDRANT LEG

PROP. 1 - REMOVE FIRE HYDRANT

PROP. 1300' - ABANDON 12" UTILITY PIPE

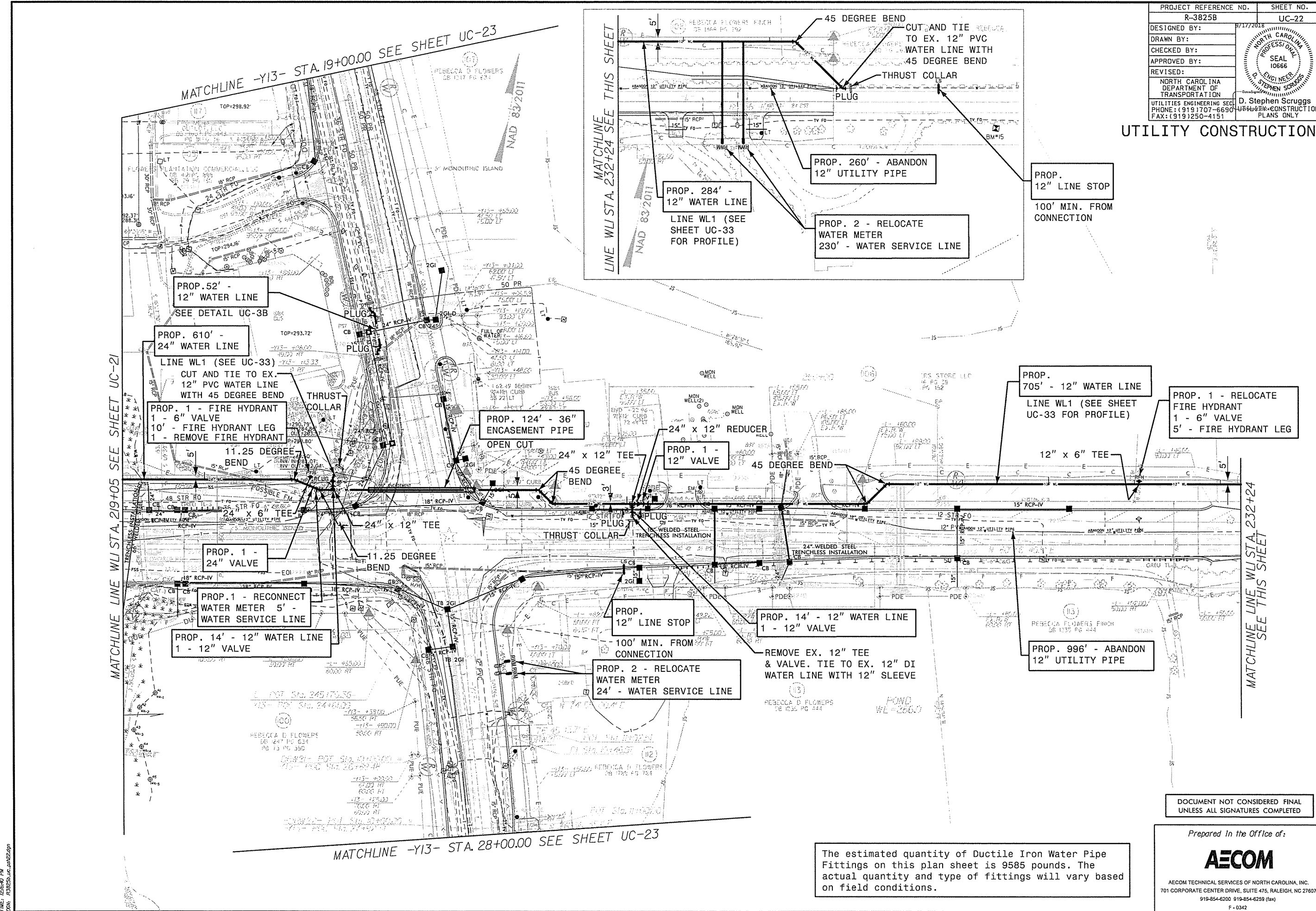
PROP. 1 - RELOCATE WATER METER
150' - WATER SERVICE LINE

The estimated quantity of Ductile Iron Water Pipe Fittings on this plan sheet is 1970 pounds. The actual quantity and type of fittings will vary based on field conditions.

DATE: 9/17/2018
TIME: 10:45:58 PM
DWG: R3825B_UC_20.dwg

PROJECT REFERENCE NO. R-3825B	SHEET NO. UC-22
DESIGNED BY:	9/17/2018
DRAWN BY:	
CHECKED BY:	
APPROVED BY:	
REVISED:	
NORTH CAROLINA PROFESSIONAL SEAL 10666	
D. Stephen Scruggs ENGINEER	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SECTION PHONE: (919) 707-6690 FAX: (919) 250-4151	
URBAN & CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION



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919-854-6200 919-854-6259 (fax)
F-0342

The estimated quantity of Ductile Iron Water Pipe Fittings on this plan sheet is 9585 pounds. The actual quantity and type of fittings will vary based on field conditions.

DATE: 9/17/2018
TIME: 12:56:40 PM
DGN: R3825B_UC-22.dgn

MATCHLINE LINE WL1 STA. 219+05 SEE SHEET UC-21

MATCHLINE LINE WL1 STA. 232+24 SEE THIS SHEET

MATCHLINE -Y13- STA. 19+00.00 SEE SHEET UC-23

MATCHLINE LINE WL1 STA. 232+24 SEE THIS SHEET

MATCHLINE -Y13- STA. 28+00.00 SEE SHEET UC-23