

MCI METRO ACCESS


TRANSMISSION SERVICES CORPORATION

NA BRIARS GATE

1710AIEE.48

RICHLAND COUNTY

PROJECT: CONSTRUCTION

	DATE:	PROJECT PHASE:	DESCRIPTION:		CONSTRUCTION NOTE: FOLLOW DETAIL SHEETS FOR PLACEMENT OPERATIONS CONFORMING TO FEDERAL, STATE, & LOCAL CODES.	LOCATION: NA MTSO COLUMBIA		MCI METRO ACCESS TRANSMISSION SERVICES CORP. OUTSIDE PLANT CONSTRUCTION		PROJECT CODE: 1710AIEE.48	TITLE: NA BRIARS GATE
	1/23/2019	DESIGN	CONSTRUCTION								
		AS-BUILT									
		REVISED									
		REVISED(2)									
	DRAFTED BY: Z. BRIGMAN			ENGINEER(S): D. BROOME		SCALE: HORIZONTAL: NTS VERTICAL: NTS		INFORMATION ON THIS DOCUMENT IS PROPRIETARY AND SHALL NOT BE USED, COPIED, REPRODUCED OR DISCLOSED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT	JOB NO: FSC38012	DWG NO: 1 OF 10	

CONTACT LIST AND REQUIRED PERMITS



OUTSIDE PLANT ENGINEERING

MANAGER: THOMAS LANCASTER (980) 285-3016  
PROJECT MANAGER: THOMAS LANCASTER (980) 285-3016  
PROJECT ENGINEER: THOMAS LANCASTER (980) 285-3016  
INSPECTOR: TBD

OUTSIDE PLANT CONSTRUCTION CONTRACTOR:

PROJECT SUPERVISOR: TBD  
FIELD CONST. SUPERINTENDENT: TBD  
MANAGER: TBD  
\_\_\_\_\_  
\_\_\_\_\_

CITY GOVERNMENT: COLUMBIA, SC

CITY OF COLUMBIA - PLANNING & DEVELOPMENT SERVICES 803-545-3400  
IRMO TOWN HALL 803-781-7050  
\_\_\_\_\_  
\_\_\_\_\_

COUNTY GOVERNMENT

RICHLAND COUNTY ENGINEERING DIVISION 803-576-2420  
\_\_\_\_\_  
\_\_\_\_\_

STATE OF SOUTH CAROLINA GOVERNMENT

RICHLAND COUNTY SCDOT CHRIS MCFARLAND 803-786-0128  
\_\_\_\_\_  
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SOUTH CAROLINA DEPARTMENT OF PUBLIC SAFETY

HIGHWAY PATROL TELECOMMUNICATIONS 803-896-9621  
ADDRESS: 10311 WILSON BLVD, BLYTHEWOOD, SC 29016  
  
SOUTH CAROLINA HIGHWAY PATROL 803-896-7920  
ADDRESS: 10311 WILSON BLVD, BLYTHEWOOD, SC 29016  
  
STATE TRANSPORT POLICE 803-896-5500  
ADDRESS: 10311 WILSON BLVD, BLYTHEWOOD, SC 29016  
  
BUREAU OF PROTECTICE SERVICES 803-896-5442  
ADDRESS: 10311 WILSON BLVD, BLYTHEWOOD, SC 29016

RAILROADS

CSX (904) 359-3100  
NORFOLK SOUTHERN (AECOM) (404) 962-5751 OR (864) 878-3581  
\_\_\_\_\_  
\_\_\_\_\_  
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SOUTH CAROLINA ONE CALL  
CALL BEFORE YOU DIG

811 OR  
1-888-721-7877

UTILITIES

ELECTRIC:  
SOUTH CAROLINA ELECTRIC & GAS COMPANY (SCE&G) (800) 251-7234  
CENTRAL ELECTRIC POWER COOPERATIVE 864-242-6350  
MID-CAROLINA ELECTRIC COOPERATIVE 803-749-5056  
TRI-COUNTY ELECTRIC COOPERATIVE 803-874-1215

GAS:  
SOUTH CAROLINA ELECTRIC & GAS COMPANY (SCE&G) (800) 251-7234  
\_\_\_\_\_  
\_\_\_\_\_

CABLE TV:  
  
TIME WARNER CABLE 803-252-2253  
AT&T U-VERSE (888) 757-6500  
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TELEPHONE:  
HUGHESNET (877) 286-2406  
BELL SOUTH (BUS) 864-780-2800  
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WATER/SEWER:  
  
RICHLAND COUNTY UTILITIES 803-401-0050  
CAROLINA WATER SERVICE, INC. (800) 272-1919

OTHER

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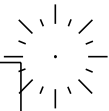
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JOB NO: FSC38012	DWG NO: 2 OF 10

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MANAGER: TBD  
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CITY GOVERNMENT: LEXINGTON, SC

CITY OF LEXINGTON PLANNING & DEVELOPMENT 803-951-4655  
CITY OF LEXINGTON INSPECTION 803-358-7267  
\_\_\_\_\_  
\_\_\_\_\_

LEXINGTON COUNTY GOVERNMENT

PUBLIC WORKS DEPARTMENT 803-785-8201  
\_\_\_\_\_  
\_\_\_\_\_

STATE OF SOUTH CAROLINA GOVERNMENT

RIGHT OF WAY 803-359-4103  
LEXINGTON COUNTY PERMIT MANAGER 803-737-6660  
\_\_\_\_\_

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MID-CAROLINA ELECTRIC COOP 803-749-6555  
SOUTH CAROLINA ELECTRIC & GAS (SCE&G) (800) 251-7234

GAS:  
PIEDMONT NATURAL GAS (800) 752-7504  
SOUTH CAROLINA ELECTRIC & GAS (SCE&G) (800) 251-7234  
\_\_\_\_\_

CABLE TV:  
TIME WARNER CABLE (855) 820-9903  
CHARTER SPECTRUM (855) 855-2065  
COMCAST 803-276-2343

TELEPHONE:  
BELL SOUTH (RES) 864-780-2355  
BELL SOUTH (BUS) 864-780-2800  
CENTURYLINK (866) 276-9906

WATER/SEWER:  
  
LEXINGTON TOWN UTILITIES 803-359-2434  
MIDLAND'S UTILITY INC 803-359-4803  
\_\_\_\_\_

OTHER

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METRO ACCESS TRANSMISSION  
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OUTSIDE PLANT CONSTRUCTION

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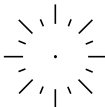
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FSC38012

TITLE:  
NA BRIARS GATE

DWG NO:  
3 OF 10

GENERAL NOTES / CLARIFICATION NOTES



CONSTRUCTION NOTES

1. ALL CONDUIT WILL BE 4" ID SCHEDULE 40 (i.e. PVC OR BSP/GSP, MANUFACTURED SPLIT PVC OR SPLIT BSP/GSP), UNLESS SPECIFIED OTHERWISE.
2. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY. SEE CONTACT SHEET FOR CONTACT NAME AND TELEPHONE NUMBER.
3. ALL UNDERGROUND OBSTRUCTIONS, WHEN LOCATED, WILL REQUIRE THE PLACEMENT OF A BURIED CABLE MARKER AND THE PLACEMENT OF 4" MANUFACTURED SPLIT PVC, BSP/GSP OVER OR UNDER EACH OBSTRUCTION.
4. SHORING MAY BE REQUIRED AND SHALL COMPLY TO O.S.H.A. STANDARDS.
5. ALL BURIED CONDUIT/CABLE WILL BE PLACED AT 42" MINIMUM COVER UNLESS SPECIFIED OTHERWISE ON THE CONSTRUCTION DRAWINGS.
6. MECHANICAL PROTECTION SHALL BE REQUIRED ANYTIME A 36" MINIMUM COVER IS UNOBTAINABLE UNLESS SPECIFIED OTHERWISE ON THE CONSTRUCTION DRAWINGS.
7. ALL 90 DEGREE BENDS IN CONDUIT CONSTRUCTION WILL BE A MINIMUM 38.2" RADIUS UNLESS SPECIFIED OTHERWISE. ALL SPLIT CONDUIT BENDS AND SOLID PVC BENDS SHALL REQUIRE CONCRETE ENCASEMENT, UNLESS SPECIFIED OTHERWISE.
8. OPERATIONS PERSONNEL TO BE CONTACTED BY THE CONTRACTOR 48 HOURS PRIOR TO CONSTRUCTION. SEE CONTACT SHEET FOR CONTACT NAME AND TELEPHONE NUMBER.
9. ALL STATIONING IS BASED ON AS-BUILT INFORMATION, THEREFORE SOME VARIANCE SHOULD BE ANTICIPATED. ADJUST AS NEEDED.
10. RAILROAD COMMUNICATION AND SIGNAL CABLES TO BE LOCATED PRIOR TO CONSTRUCTION ACTIVITY. RAILROAD TO BE GIVEN 48 HOURS NOTICE PRIOR TO CONSTRUCTION.
11. ALL BURIED CABLE MARKER POSTS AND HARDWARE PLACED AND/OR REMOVED ON ALL NEW AND EXISTING ROUTES SHALL BE IMPLEMENTED AS FOLLOWS:

A. ON THOSE ROUTES THAT ARE CONSIDERED TO BE IN A NORTH TO SOUTH GEOGRAPHICAL ORIENTATION, THE SOUTHERN-MOST SIGN AND POST SHOULD BE REMOVED.  
• FOR NEW ROUTES BEING CONSTRUCTED, ONE SIGN POST WILL BE PLACED AT THE NORTH END OF EACH HANDHOLE.

B. ON THOSE ROUTES THAT ARE CONSIDERED TO BE IN AN EAST TO WEST GEOGRAPHICAL ORIENTATION, THE WESTERN-MOST SIGN AND POST SHOULD BE REMOVED.  
• FOR NEW ROUTES BEING CONSTRUCTED, ONE SIGN POST WILL BE PLACED AT THE EAST END OF EACH HANDHOLE.

GENERAL NOTES

1. MCI COMPRISES THE FOLLOWING OPERATING ENTITIES:
  - BROOKS FIBER PROPERTIES, INC.
  - MCI METRO ACCESS TRANSMISSION SERVICES, LLC.
  - MCI WORLDCOM NETWORK SERVICES, INC.
  - (COMPRISES MCI TELECOMMUNICATIONS CORP. (MCI LD) AND WORLDCOM NETWORK SERVICES, INC. (WORLDCOM LD)
  - SOUTHERNET, INC.
  - MFS TELECOM, INC.
  - TELECOM\*USA, INC.
  - INTERMEDIA, INC.
  - SOUTHERNET SYSTEMS, INC.
  - MCI WORLDCOM NETWORK SERVICES OF VIRGINIA, INC.
  - MCI METRO ACCESS TRANSMISSION SERVICES OF VIRGINIA, INC.
- THE MCI FACILITIES WITHIN THIS CONSTRUCTION PACKAGE ARE HELD BY THE OPERATING ENTITY(IES) INDICATED BY AN ASTERISK.
2. ALL WORK TO BE DONE WITH EXTREME CAUTION ! FIBER OPTIC CABLE IS CARRYING TRAFFIC AND LOSS OF SERVICE WILL RESULT IN LOSS OF REVENUE. CONTRACTOR SHALL NOT WORK IN A MANNER THAT MAY AFFECT TRAFFIC-CARRYING FACILITIES IN THE ABSENCE OF AN MCI EMPLOYEE OR CERTIFIED CONTRACTOR.
3. ALL WORK TO BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE CODES OR REQUIREMENTS OF ANY REGULATING GOVERNMENTAL AGENCY, MCI TELECOMMUNICATIONS CORPORATION, OR THE RIGHT-OF-WAY- GRANTOR.
4. LOCATIONS OF SOME OF THE PHYSICAL FEATURES WERE OBTAINED FROM DATED RAILROAD VALUATION MAPS OR OTHER DRAWINGS, AND MAY BE AS SHOWN OR DEPICTED ON THESE DRAWINGS.
5. UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS, BUT ARE NOT NECESSARILY EXACT. THEREFORE, UTILITY LOCATIONS WILL BE VERIFIED AT LEAST 100 FEET IN ADVANCE OF TRENCHING OR PLOWING, SO THAT CHANGES IN CABLE PLACEMENT CAN BE MADE IN EVENT OF CONFLICTS.
6. ALL KNOWN BURIED OBSTRUCTIONS ARE SHOWN ON THE CONSTRUCTION DRAWINGS. ANY AND ALL OTHERS ENCOUNTERED ARE ALSO THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE, PROTECT, AND REPAIR, IF DAMAGED.
7. ANY AND ALL IMPROVEMENTS, SUCH AS ASPHALT OR CONCRETE PAVEMENT, CURBS, GUTTERS, WALKS, DRAINAGE DITCHES, EMBANKMENTS, SHRUBS, TREES, GRASS SOD, ETC., IF DAMAGED, SHALL BE RESTORED TO ORGINAL OR BETTER CONDITION.
8. EQUIPMENT TYPES SPECIFIED HEREIN (ie: "BACKHOE, "SWAMP PLOW", ETC.) ARE SUGGESTIONS ONLY AND ARE NOT INTENDED AS REQUIREMENTS. CONTRACTOR WILL BE NOTIFIED AS TO EXCEPTIONS.

CLARIFICATION NOTES

1.  
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1. STATION  
2. LOCATION I.D.  
3. CLARIFICATION NO., MINIMUM COVER  
4. QUANTITY, SIZE OF HANDHOLE, SIZE OF MANHOLE, DIMENSION OF WALL, LINEAR FOOTAGE/SQUARE FOOTAGE, SIZE OF PULL/SPLICE BOX, HEIGHT/CLASS/TYPE  
5. DRAWING NO. AND TYPICAL DETAIL DWG. NO.  
6. PLANT ACCOUNTING CODE  
7. SPECIFIED CONDUIT, HANDHOLE NO., MANHOLE NO., SPECIFIED PURPOSE AND MATERIAL, BRIDGE NO. AND RR STATION, MATERIAL, POLE NO.

ADDENDUM NOTES

CLARIFICATION NOTES (CONTINUED)

- 100110JACK AND DRY BORE CONDUIT(S)
- 200210PLACE CONDUIT  
212PLACE HIGH DENSITY POLYETHYLENE (HDPE)  
213ROCK ADDER  
214SLURRY BACKFILL ADDER  
215EXPOSE CONDUIT  
216EXPOSE CONDUIT AND RELOCATE  
217EXPOSE CONDUIT AND REPLACE/SUBSTITUTE  
218EXPOSE AND REMOVE CONDUIT  
219EXPOSE AND REMOVE CONDUIT (ABANDONED)  
220CONCRETE ENCASE  
221REMOVE CONCRETE ENCASEMENT  
222REMOVE CONCRETE CAP  
240PLACE HANDHOLE  
244REMOVE EXISTING HANDHOLE  
245RELOCATE HANHOLE  
REPLACE/SUBSTITUTE HANDHOLE  
247EXCAVATE SPLICE PIT  
250PLACE MANHOLE  
252REMOVE EXISTING MANHOLE  
255RELOCATE PRECAST MANHOLE  
256REPLACE/SUBSTITUTE PRECAST MANHOLE  
260CONSTRUCT WALL  
270REMOVE AND RESTORE ASPHALT  
280REMOVE AND RESTORE CONCRETE  
281REMOVE AND RESTORE SIDEWALK  
282REMOVE AND RESTORE CURBING
- 300310ATTACH CONDUIT TO WALL OR STRUCTURE  
315DETACH CONDUIT FROM WALL OR STRUCTURE  
320CORE BORE  
330ATTACH PULL/SPLICE BOX TO WALL OR STRUCTURE
- 400410PULL CABLE  
411PULL THROUGH DUCT (INNERDUCT)  
415REMOVE CABLE FROM CONDUIT  
420REPOSITION ACTIVE CABLE SLACK
- 500510DIRECT BURY CABLE  
515EXPOSE DIRECT BURIED CABLE  
516EXPOSE DIRECT BURIED CABLE AND RELOCATE  
517REMOVE AND DISPOSE OF CABLE  
520PLACE AERIAL CABLE  
525RELOCATE AERIAL CABLE  
526DELASH AERIAL CABLE  
527RELASH AERIAL CABLE  
528REMOVE AERIAL CABLE  
530PLACE POLE/PUSH BRACE  
535REMOVE POLE/PUSH BRACE
- 600610JETTING CONDUIT  
620EMBEDMENT PLOW  
630DIRECTIONAL BORE
- 700710PLACE BURIED CABLE MARKERS AND SIGNS/MWCOM WATER CROSSING SIGNS  
711PLACE ISOLATOR/PROTECTION SYSTEM AT EXISTING HANDHOLES/MANHOLE'S  
712REMOVE BURIED CABLE MARKER POST/HARDWARE  
714REMOVE CONCRETE BURIED CABLE MARKER POST



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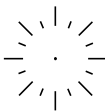
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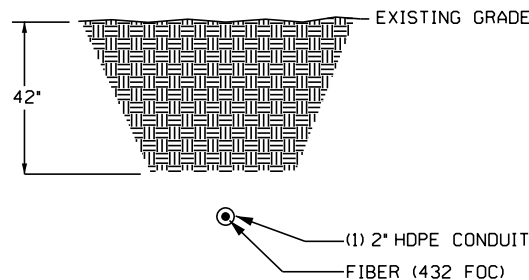
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# DIRECTIONAL BORE DETAIL



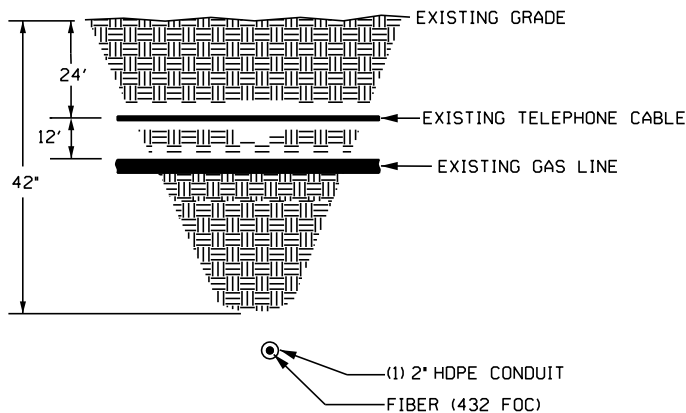
TYPICAL DETAIL "A-1"

DIRECTIONAL BORE CROSS SECTION  
FOR CONDUIT



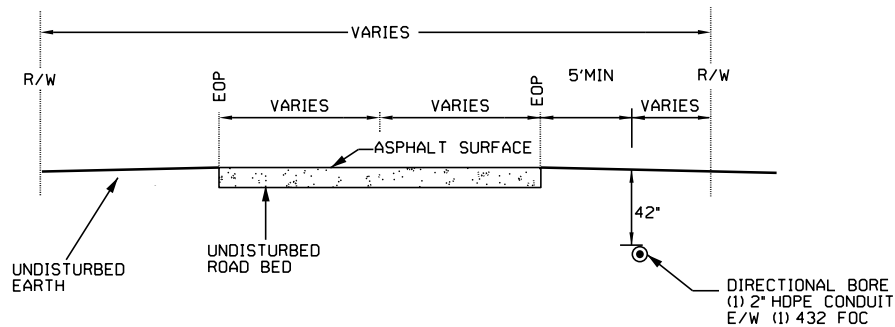
TYPICAL DETAIL "A-2"

DIRECTIONAL BORE CROSS SECTION  
FOR CONDUIT PLACED BENEATH / PERPENDICULAR  
TO EXISTING UTILITIES



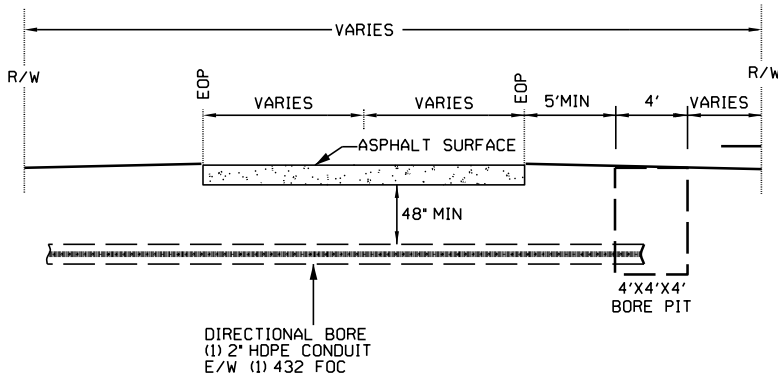
TYPICAL DETAIL "A-3"

PARALLEL CONDUIT DETAIL  
FOR SCDOT RIGHT OF WAY



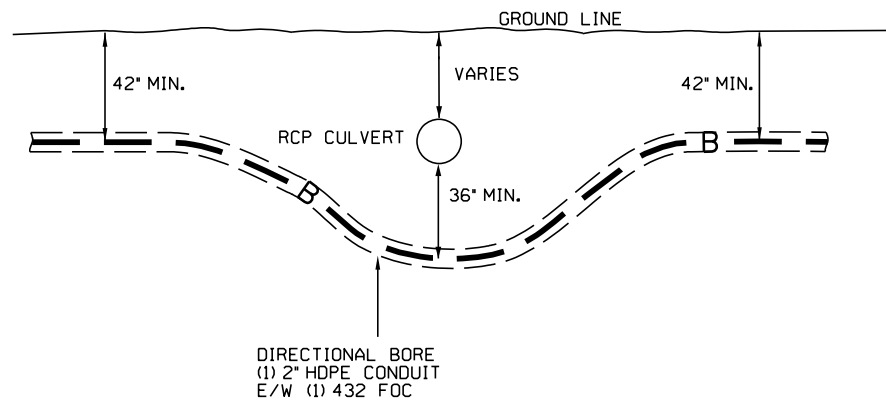
TYPICAL DETAIL "A-4"

CROSSING SECONDARY ROADWAY  
AND DRIVEWAY



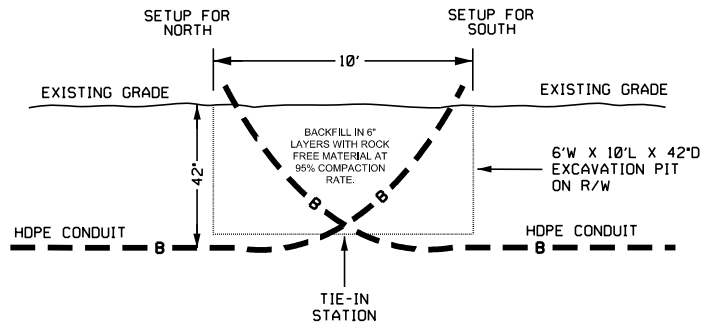
TYPICAL DETAIL "A-5"

CULVERT CROSSING DETAIL



TYPICAL DETAIL "A-6"

DIRECTIONAL BORE TIE-IN DETAIL



- BORE FROM EACH DIRECTION IS RUN AT DESIGN DEPTH TO SOME POINT PAST THE INTENDED TIE-IN, THEN TURNED UP TO DAYLIGHT.
- THE TIE-IN POINT IS EXCAVATED, PIPES CUT OFF WHERE THEY CROSS EACH OTHER AT DESIGN DEPTH, AND A COUPLER IS INSTALLED TO CONNECT THE TWO PIPES AT THE DESIGN DEPTH.
- USE ALUMINUM HYDRAULIC PREP - ON BARBED RING COUPLER TO CONNECT PIPE
- ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED ACCORDING TO THE PROCEDURES AND REQUIREMENTS SET FORTH IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, and .652.



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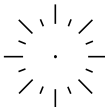
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BONDING AND GROUNDING DETAILS



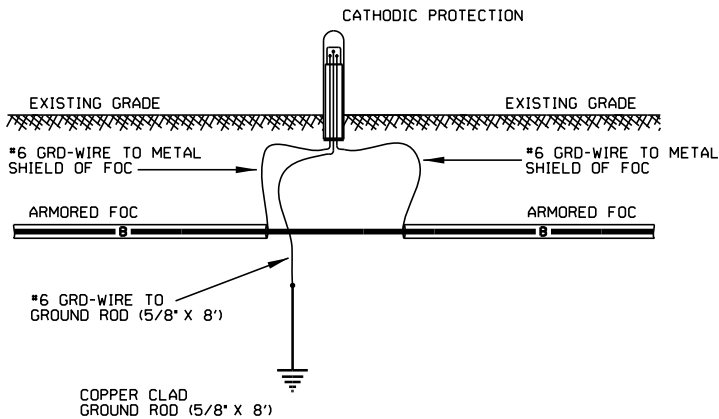
AERIAL NOTES:

- 1. Establish and maintain continuity of all metallic components (strength member, shield, moisture barrier, armor) across all aerial splices
- 2. Bond metallic components to the support strand at all splice locations
- 3. Bond support strand to pole MGNV at all riser poles, fiber loop (2,000') locations for future splice and fiber splice locations.
- 4. Place bonds between all metallic cable components and the support strand at least once every 1 ¼ miles (6,600 feet).

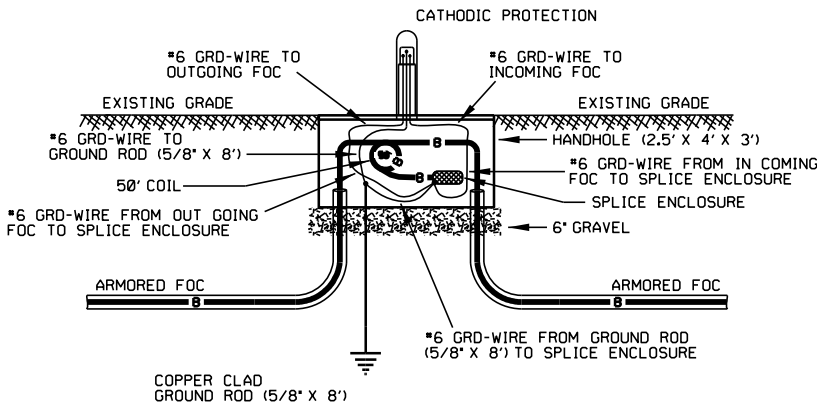
BURIED NOTES:

- 1. Establish and maintain continuity of all metallic sheath components and strength members in the cable and across all buried splices
- 2. Bond metallic sheath components and strength members to 5/8" x 8' copper clad ground rod at all buried splices.
- 3. Place 5/8" x 8' copper clad ground rods at all handholes for future splicing and grounding
- 4. Place bonds between all metallic cable components and copper clad ground rods at least once every 1 ¼ miles (6,600 feet).
- 5. Place Cathodic Protection Test Station at all buried fiber cable splices and when bonding fiber metallic cable components to copper clad ground rods every 1 ¼ miles

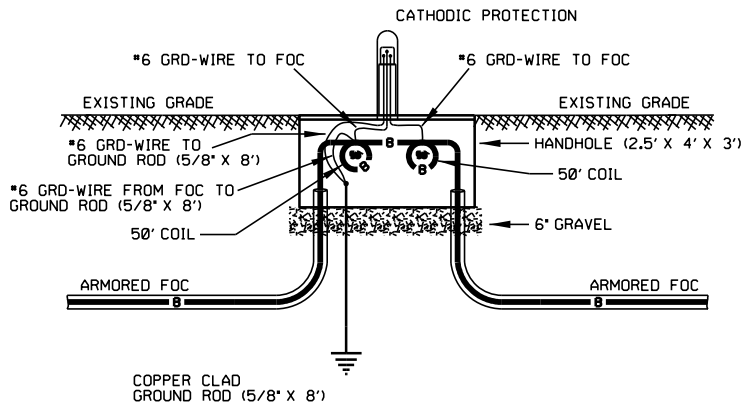
TEST STATION DETAIL SCHEMATIC



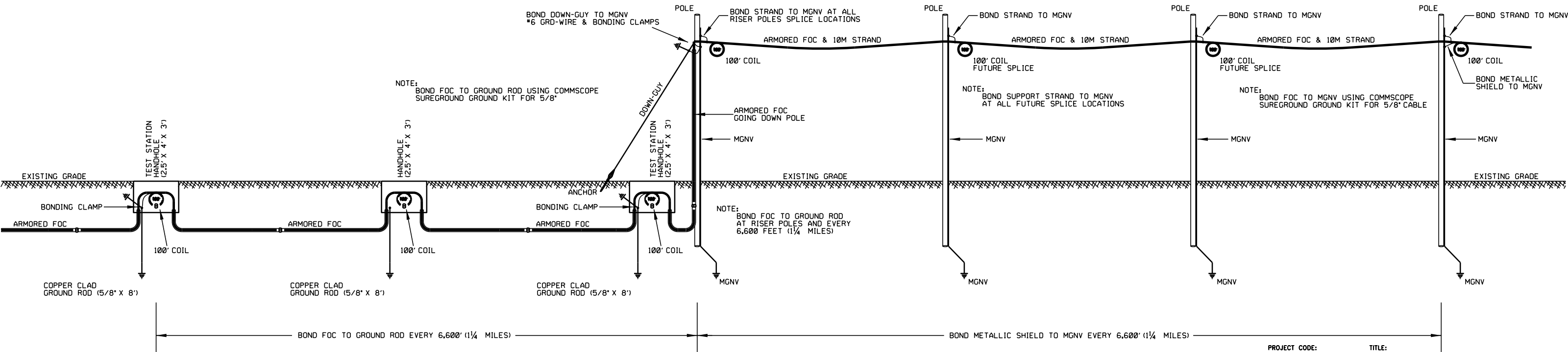
TEST STATION WITH FIELD SPLICE



TEST STATION WITH COIL FOR FUTURE SPLICE



LAYOUT DETAIL



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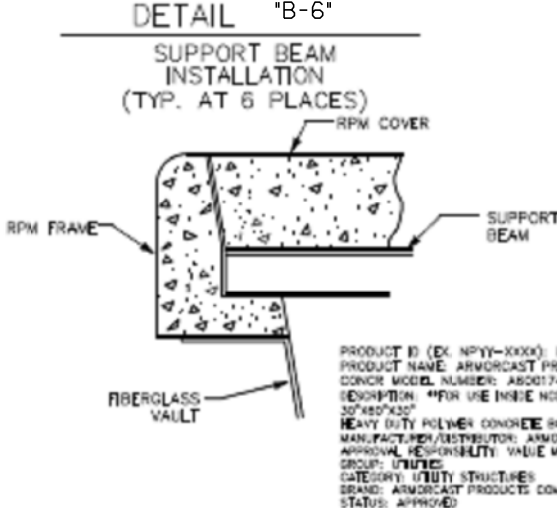
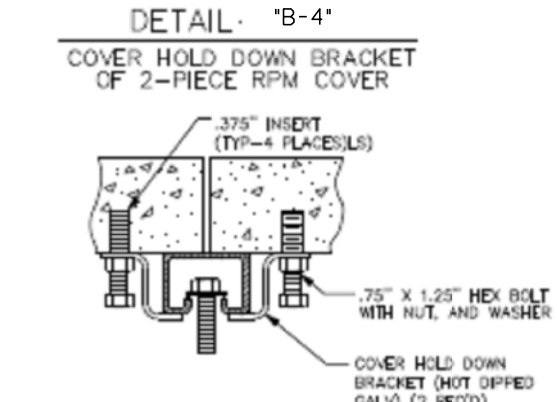
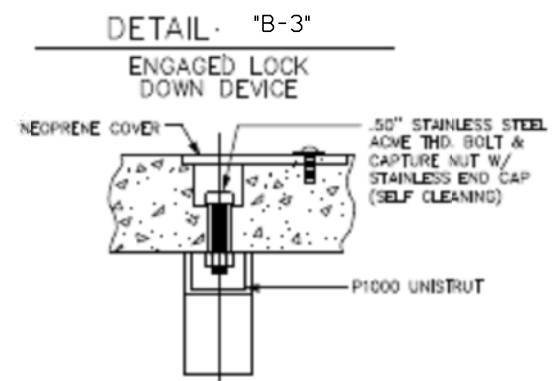
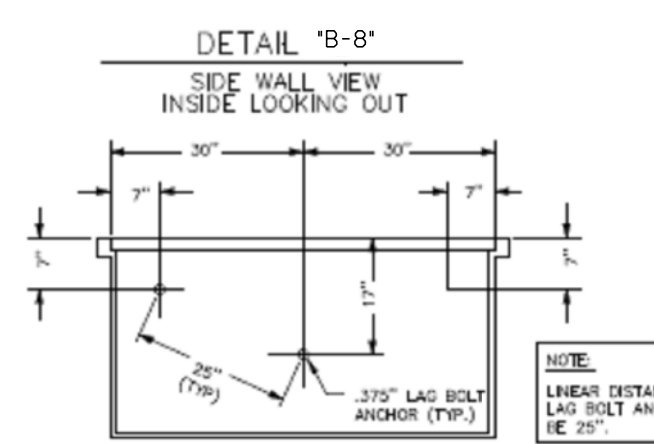
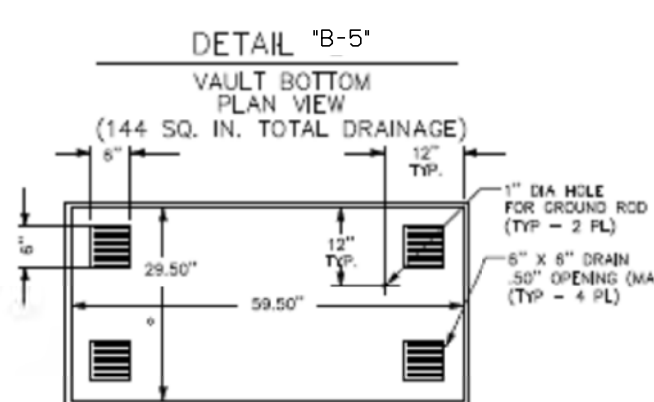
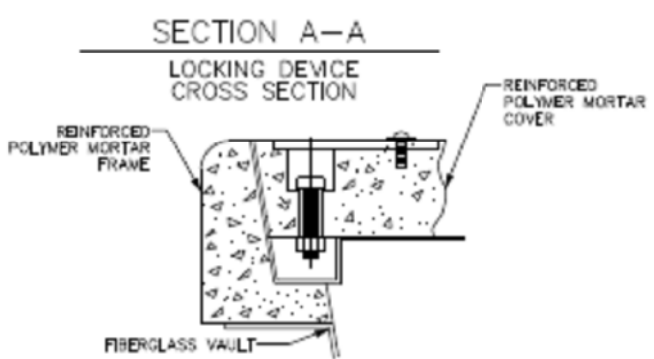
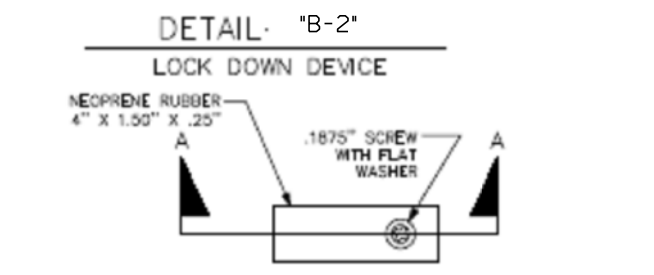
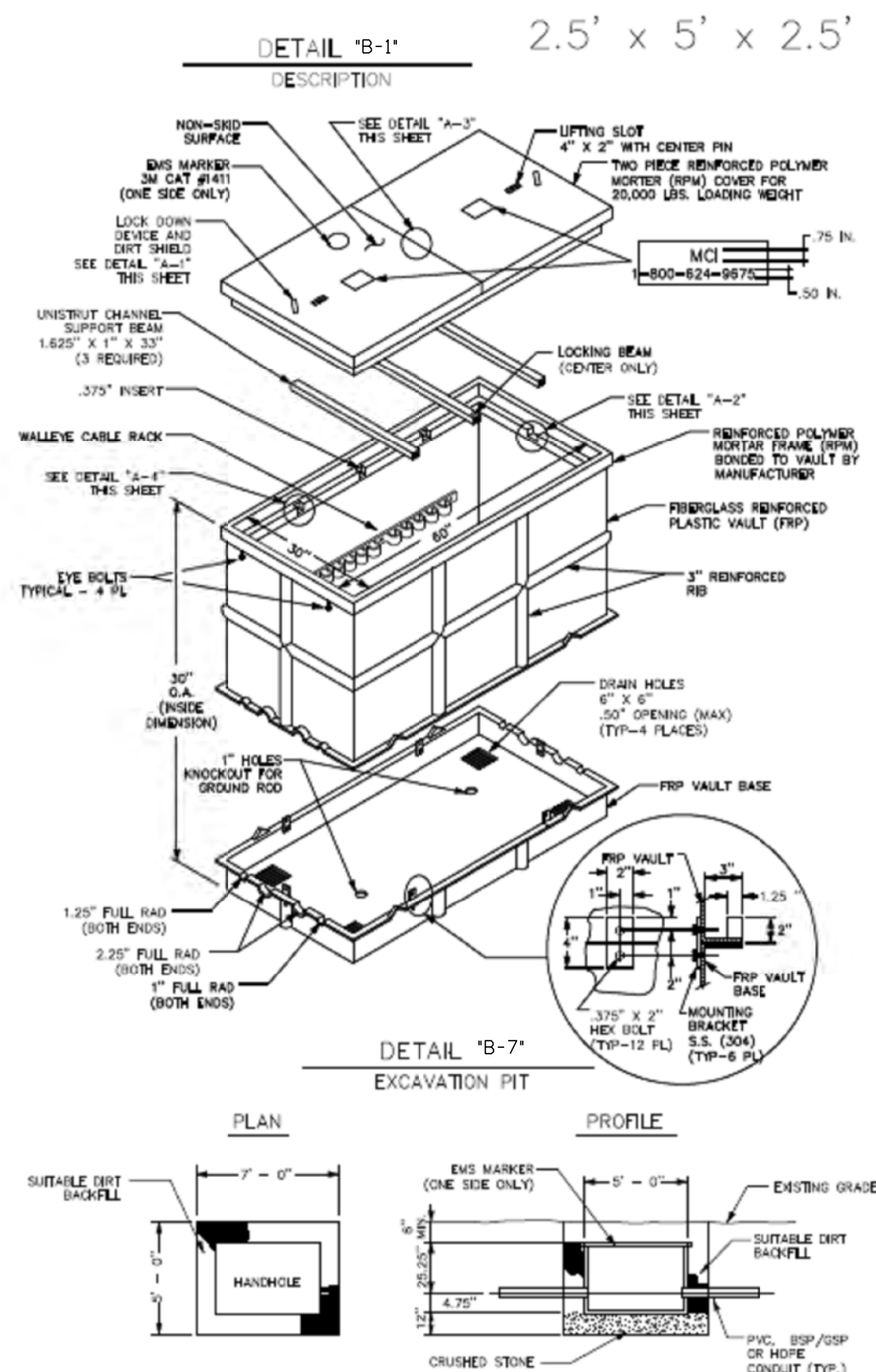
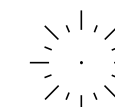
PROJECT CODE:  
1710A1EE.48

JOB NO:  
FSC38012

TITLE:  
NA BRIARS GATE

DWG NO:  
6 OF 10





- NOTES:**
- VOID IN EXCAVATED AREAS TO BE BACKFILLED WITH SELECT MATERIAL.
  - BOTTOM OF EXCAVATED PIT TO BE BACKFILLED WITH 12" OF CRUSHED STONE (.75" GRADE).
  - SHORING WILL BE REQUIRED.
  - ALL HANDHOLES SHALL BE PLACED BELOW EXISTING GRADE.
  - THIS HANDHOLE IS OF FIBERGLASS MATERIAL APPROXIMATELY 100 POUNDS IN WEIGHT. THE LIDS ARE POLYMER CONCRETE MATERIAL EACH APPROXIMATELY 100 POUNDS.



DATE:	PROJECT PHASE:	DESCRIPTION:
1/23/2019	DESIGN	CONSTRUCTION
	AS-BUILT	
	REVISED	
	REVISED(2)	
DRAFTED BY: Z. BRIGMAN	ENGINEER(S): D. BROOME	

**CONSTRUCTION NOTE:**  
FOLLOW DETAIL SHEETS FOR PLACEMENT OPERATIONS CONFORMING TO FEDERAL, STATE, & LOCAL CODES.

LOCATION:  
NA MTSO COLUMBIA

SCALE: HORIZONTAL: NTS  
VERTICAL: NTS

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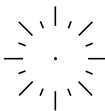
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LINETYPES

	BORE UG FIBER - PROPOSED
	PLOW UG FIBER - PROPOSED
	AERIAL FIBER - PROPOSED
	EXISTING CONDUIT
	GAS
	WATER
	TELEPHONE
	ELECTRIC
	SANITARY SEWER (SEW)
	STORM DRAIN (CULVERT)
	FENCE
	CABLE TV
	STEAM
	OIL
	UNKNOWN UTILITY
	RIGHT OF WAY
	EDGE OF PAVEMENT
	GUARDRAIL

SYMBOLS KEY

SYMBOL	DESCRIPTION
SW	SIDEWALK
FH	FIRE HYDRANT
DW	DRIVEWAY
CL	CENTER LINE
EOP	EDGE OF PAVEMENT
S	SEWER
BOC	BACK OF CURB
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
RCP	CONCRETE PIPE
MH	MANHOLE
P	PULL
P=DE	PULL = DEAD END
SR	STATE ROAD NAME
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
STA.	STATION

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CONSTRUCTION DETAIL REFERENCE		FIBER OPTIC LOCATE POST		CELL TOWER
	RISER		FIBER OPTIC MARKER POST		UTILITY POLE - EXISTING
	TELEPHONE/PED		BORE PIT (4' x 4' x 4')		POLE - PROPOSED
	POWER VAULT		HANDHOLE - EXISTING		AERIAL STORAGE - EXISTING
	CATCH BASIN/INLET		HANDHOLE - PROPOSED		AERIAL STORAGE - PROPOSED
	FIRE HYDRANT		MANHOLE - EXISTING		VAULT/BUILDING STORAGE - EXISTING
	GROUND/BOND		PROPOSED SPLICE ARROW		VAULT/BUILDING STORAGE - PROPOSED
	STREET LIGHT		EXISTING SPLICE ARROW		POLE ANCHOR/DOWN GUY - EXISTING
	TREE		SPAN MEASUREMENT		POLE ANCHOR/DOWN GUY - PROPOSED
	CULVERT		MISC. UTILITY		PROPOSED DOWN GUY ON EXISTING ANCHOR
	WING WALL				
	BRIDGE				
	SEWER				



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	REVISED(2)	
DRAFTED BY: Z. BRIGMAN		ENGINEER(S): D. BROOME

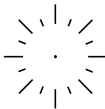
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LOCATION:	NA MTSD COLUMBIA
SCALE:	HORIZONTAL: NTS VERTICAL: NTS

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PROJECT CODE: 1710A1EE.48	TITLE: NA BRIARS GATE
JOB NO: FSC38012	DWG NO: 8 OF 10



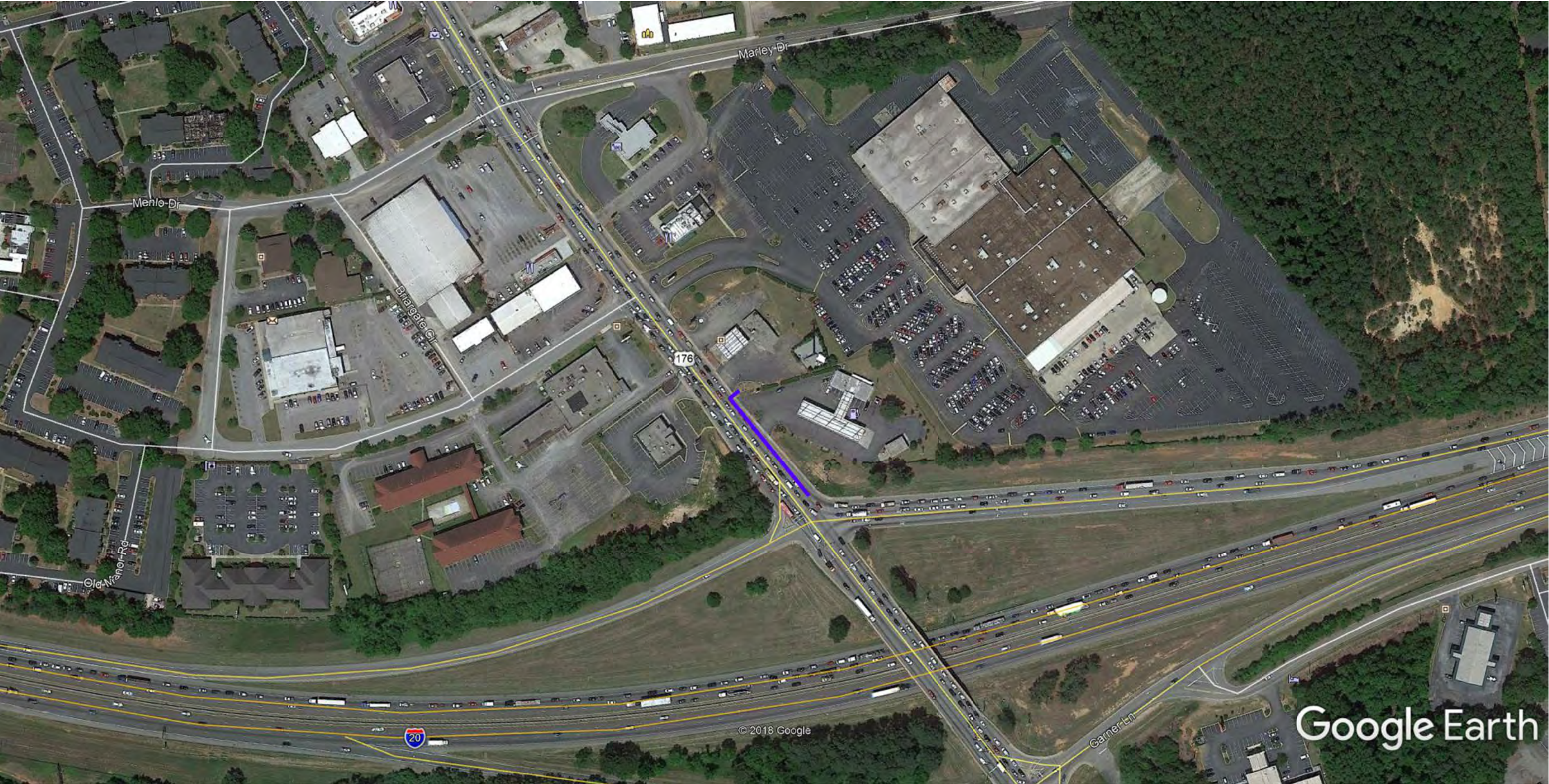


# BILL OF MATERIALS

DESCRIPTION	PER	ENGINEERED	AS-BUILT
(1) 2" HDPE CONDUIT	FT	209	
(1) 432 FOC	FT	409	
HH 2.5' X 5' X 2.5'	UNIT	1	
MARKER POST	UNIT	1	



# VICINITY MAP



DATE:	PROJECT PHASE:	DESCRIPTION:
1/23/2019	DESIGN	CONSTRUCTION
	AS-BUILT	
	REVISED	
	REVISED(2)	
DRAFTED BY: Z. BRIGMAN		ENGINEER(S): D. BROOME

**CONSTRUCTION NOTE:**  
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LOCATION:  
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VERTICAL: NTS

MCI  
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OUTSIDE PLANT CONSTRUCTION

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