

CONSTRUCTION PLANS FOR

PRITCHARD STREET SEWER EXTENSION

PREPARED FOR

TOWN OF BLUFFTON

20 BRIDGE STREET
BLUFFTON, SC 29910



VICINITY MAP
N.T.S.



PREPARED BY



ENGINEERS - PLANNERS - SURVEYORS
14 Westbury Park Way, Suite 202, Bluffton, SC 29910
Telephone 843-815-3191
mail@CranstonEngineering.com

6/5/2019
REV1: 7/19/2019
REV2: 9/18/2019
REV3: 10/8/2019
REV4: 3/10/2020
REV5: 4/15/2020
REV6: 4/22/2020



PROJECT DATA:

- 1. ACREAGE OF PROPERTY: N/A ACRES
- 2. ACREAGE OF DEVELOPMENT: 0.86 ACRES

- 3. OWNER/DEVELOPER:
MARK MAXWELL
20 BRIDGE STREET
BLUFFTON, SC 29910
PHONE: 843-706-4521
- 24 HOUR CONTACT:
NAME: MARK MAXWELL
PHONE: 843-706-4521

- 4. TAX MAP & PARCEL NUMBERS:
R610 039 000 1234 0000
R610 039 000 1181 0000
R610 039 00A 0043 0000
R610 039 00A 0044 0000
R610 039 000 1182 0000
R610 039 00A 0047 0000
R610 039 00A 0048 0000
R610 039 000 056B 0000
R610 039 00A 0049 0000
R610 039 00A 0267 0000
R610 039 00A 0050 0000
R610 039 00A 0309 0000
R610 039 00A 0241 0000
R610 039 00A 0051 0000
R610 039 000 0057 0000
R610 039 00A 0040 0000
R610 039 00A 0053 0000
R610 039 00A 0039 0000

- 5. ZONING: RESIDENTIAL GENERAL
- 6. STORM WATER OUTFALL: UNNAMED TRIBUTARY TO MAY RIVER
- 7. DRAINAGE AREA THIS PROJECT: 2.54 ACRES
- 8. RECEIVING STREAM: UNNAMED TRIBUTARY TO MAY RIVER
- 9. ULTIMATE STREAM: MAY RIVER
- 10. EXISTING LAND USE: RESIDENTIAL
- 11. PROPOSED LAND USE: RESIDENTIAL

VERTICAL DATUM: NAVD 88

Plan Index

Sheet Number	Sheet Title
C1.0	COVER SHEET
C1.1	GENERAL NOTES & LEGEND
C2.0	EXISTING CONDITIONS
C2.1	EXISTING CONDITIONS
C2.2	EXISTING CONDITIONS
C2.3	EXISTING CONDITIONS
C3.0	SWPP PLAN
C3.1	SWPP PLAN
C4.0	SEWER PLAN & PROFILE
C4.1	SEWER PLAN & PROFILE
C4.2	SEWER PLAN & PROFILE
C4.3	SEWER PLAN & PROFILE
C4.4	SEWER PLAN & PROFILE
C4.5	SEWER PLAN & PROFILE
C5.0	SWPPP DETAILS
C6.0	SEWER DETAILS
C6.1	SEWER DETAILS

G:\AA-ACTIVE_JOB_FILES\2018\2018-0436 - HD SANITARY SEWER EXTENSION PHASE 1\AC-DRAWINGS\CIVIL\20180436_OVDWG_4/22/2020_9:29 AM



LEGEND

---	210	MAJOR CONTOUR (EXISTING)
---	210	MINOR CONTOUR (EXISTING)
---	210	MAJOR CONTOUR (PROPOSED)
---	210	MINOR CONTOUR (PROPOSED)
---		EXISTING BOUNDARY
---		EXISTING ADJOINER
---		PERMANENT EASEMENT
---		TEMPORARY EASEMENT
---		25' BUFFER
---		ENVIRONMENTALLY SENSITIVE AREA
---		EDGE OF WATER
---		TREE LINE
---	OU	EXISTING OVERHEAD UTILITY (UNSPECIFIED)
---	UE	EXISTING UNDERGROUND POWER
---	UE	PROPOSED UNDERGROUND POWER
---	OE	EXISTING OVERHEAD POWER
---	OE	PROPOSED OVERHEAD POWER
---	UT	EXISTING UNDERGROUND TELEPHONE
---	UT	PROPOSED UNDERGROUND TELEPHONE
---	OT	EXISTING OVERHEAD TELEPHONE
---	OT	PROPOSED OVERHEAD TELEPHONE
---	UC	EXISTING UNDERGROUND CABLE
---	UC	PROPOSED UNDERGROUND CABLE
---	F	EXISTING FIBEROPTIC
---	F	PROPOSED FIBEROPTIC
---	G	EXISTING GAS
---	G	PROPOSED GAS
---	W	EXISTING WATER
---	W	PROPOSED WATER
---	SAN	EXISTING SANITARY SEWER
---	SAN	PROPOSED SANITARY SEWER
---	X	FENCE: EXISTING
---	X	FENCE: PROPOSED
---		FENCE: EXISTING CHAINLINK
---		FENCE: PROPOSED CHAINLINK
---		FENCE: EXISTING STONE
---		FENCE: PROPOSED STONE
---		FENCE: EXISTING WIRE
---		FENCE: PROPOSED WIRE
---		EXISTING GUARDRAIL
---		PROPOSED GUARDRAIL
---		ORANGE BARRIER FENCE OR C-POP SILT FENCE
---	X	SILT FENCE
---		EXISTING BUILDING
---		PROPOSED BUILDING
---		EXISTING CONCRETE/PAVING
---		PROPOSED CONCRETE AND/OR PAVING
---		EXISTING ASPHALT PAVING
---		PROPOSED ASPHALT PAVING
---		EXISTING GRAVEL PAVING OR RIP-RAP
---		PROPOSED GRAVEL PAVING OR RIP-RAP
---		EXISTING BRICK PAVING
---		PROPOSED BRICK PAVING
---		EXISTING UTILITY POLE
---		PROPOSED UTILITY POLE
---		EXISTING STRAIN POLE
---		PROPOSED STRAIN POLE
---		EXISTING GUY WIRE
---		PROPOSED GUY WIRE
---		EXISTING ELECTRIC LIGHT
---		EXISTING LIGHT POLE
---		PROPOSED LIGHT POLE
---		EXISTING MANHOLE
---		PROPOSED MANHOLE
---		EXISTING FIRE HYDRANT
---		PROPOSED FIRE HYDRANT
---		EXISTING IRRIGATION VALVE
---		PROPOSED IRRIGATION VALVE
---		EXISTING WATER METER
---		PROPOSED WATER METER

TREE LEGEND

ASH	ASH	JPH	JAPANESE HOLLY
BI	BIRCH	MAG	SOUTHERN MAGNOLIA
CA	CAMELLIA	MP	MAPLE
CE	CEDAR	MULTI	MULTI-TRUNK
CBR	CHINABERRY	OAK	OAK
CH	CHERRY	PA	PALMETTO
CHP	CHINESE PISTACHIO	PE	PECAN
CR	CRAPE MYRTLE	PERS	PERSIMMON
CYP	CYPRESS	PN	PINE
DW	DOGWOOD (FLOWERING)	PO	POPLAR
ERC	EASTERN RED CEDAR	PR	PEAR
FR	FRUIT TREE	SG	SWEETGUM
GBL	GINKGO BILOBA	SUB	SUGARBERRY
GUM	GUM	SYC	SYCAMORE
HI	HICKORY	TA	TALLOW TREE
HKB	HACKBERRY	TREE	UNKNOWN TREE TYPE
HO	HOLLY	WAX	WAX MYRTLE
JAP	JAPANESE MAPLE		

PROJECT MANAGER

MARK MAXWELL
TOWN OF BLUFFTON
(849) 706-4521

ENGINEER OF RECORD

ANDREW BAJOCZYK, P.E.
CRANSTON ENGINEERING GROUP P.C.
(843) 314-1965

UTILITIES:

WATER AND SEWER
BEAUFORT-JASPER WATER & SEWER AUTHORITY
SERVICE CONTACT: 843-987-9200
REPORT OUTAGE: 843-987-3200

POWER
SCE&G
SERVICE CONTACT: 800-251-7234
REPORT OUTAGE: 888-333-4465

COMMUNICATION

HARGRAY
SERVICE CONTACT: 843-815-1600
REPORT OUTAGE: 843-686-1138

GENERAL NOTES:

- PLANS CONTAINED HEREIN ARE FOR IMPROVEMENTS APPROVED BY BEAUFORT JASPER WATER AND SEWER AUTHORITY (BJWSA) AND THE TOWN OF BLUFFTON (OWNER). ANY VARIATION FROM THE APPROVED PLANS MUST BE APPROVED IN WRITING BY THE OWNER AND/OR ENGINEER.
- A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD WITH THE OWNER AND ENGINEER PRIOR TO BEGINNING CONSTRUCTION. THIS MEETING SHALL BE SCHEDULED WITH THE OWNER AND ENGINEER AT THE TIME NOTICE TO PROCEED IS GIVEN.
- THE OWNER AND ENGINEER SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE, DURING REGULAR HOURS (8:00 AM TO 5:00 PM, MONDAY THROUGH FRIDAY, EXCLUDING HOLIDAYS), BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY.
- ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION FOR THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION (SCDOT), TOWN OF BLUFFTON SPECIFICATIONS, AND THE PROJECT SPECIFICATIONS.
- THE CONTRACTOR WILL BE REQUIRED TO HAVE ON SITE A COPY OF SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD DRAWINGS, LATEST EDITION.
- NO WORK SHALL COMMENCE WITHIN SCDOT'S RIGHT-OF-WAY UNTIL AN APPROVED SCDOT ENCROACHMENT PERMIT HAS BEEN RECEIVED.
- ANY DISCREPANCIES, ERRORS, OR OMISSIONS DISCOVERED ON THE PLANS OR IN THE SPECIFICATIONS SHOULD BE IMMEDIATELY BROUGHT TO THE ENGINEER'S ATTENTION, NOTED ON THE CONTRACTOR'S PROPOSAL, AND DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO CORRECT THE SAME AND CONSTRUCT THE PROJECT AS DESIGNED.

GENERAL EXISTING CONDITIONS & SURVEY NOTES:

- DATE OF SURVEY - 10/15/18 BY SEA ISLAND LAND SURVEY, LLC
- THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS, OR INDICATED IN ANY WAY THEREBY, WHETHER BY DRAWINGS OR NOTES OR ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY AND ARE NOT GUARANTEED.
- ACCORDING TO THE FEMA FIRM PANEL NO. 4502951, THIS PROJECT IS LOCATED WITHIN FLOOD ZONE 'C'.
- THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE OWNER IN THE EVENT THAT PREVIOUSLY UNKNOWN HISTORICAL OR ARCHEOLOGICAL SITES ARE DISCOVERED DURING CONSTRUCTION. NO ADDITIONAL WORK IN SUCH AREAS WILL BE ALLOWED UNTIL AUTHORIZED IN WRITING.
- PROPERTY LINES SHOWN HEREIN HAVE BEEN DERIVED BY PLAT INFORMATION AND GIS DATA OBTAINED FROM THE TOWN OF BLUFFTON.
- DISTURBANCES TO ANY SURVEY MARKERS OR MONUMENTS REQUIRES RE-ESTABLISHMENT BY A LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE.

GENERAL EROSION CONTROL NOTES:

- ALL SILT BARRIERS MUST BE PLACED PRIOR TO LAND DISTURBING ACTIVITIES.
- ALL DRAINAGE EASEMENTS & DISTURBED AREAS MUST BE GRASSED AND/OR RIP-RAPPED AS REQUIRED TO CONTROL EROSION.

GENERAL UTILITIES NOTES:

- THE EXISTENCE, ABSENCE, LOCATION AND ELEVATION OF UNDERGROUND UTILITIES ON THE PLANS ARE NOT BASED ON FIELD MARKS, ARE NOT GUARANTEED, AND SHALL BE INVESTIGATED, UNEARTHED IF NECESSARY, AND VERIFIED BY CONTRACTOR BEFORE BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL CONTACT SOUTH CAROLINA 811, "CALL BEFORE YOU DIG" SERVICE IN ORDER TO LOCATE UTILITIES PRIOR TO STARTING ANY EXCAVATION OR CONSTRUCTION.
- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, ABOVE GROUND OR BELOW GROUND.
- CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH APPROPRIATE UTILITIES PRIOR TO AND/OR DURING CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY BEFORE DIGGING NEAR WATER AND SANITARY SEWER LINES.
- NO EXTRA PAYMENT WILL BE MADE FOR REPAIRS TO DAMAGE OF EXISTING UTILITIES.
- THE CONTRACTOR WILL NOT BE PAID FOR DELAYS OR EXTRA EXPENSE CAUSED BY UTILITY FACILITIES, OBSTRUCTIONS, OR ANY OTHER ITEMS NOT REMOVED OR RELOCATED TO CLEAR CONSTRUCTION IN ADVANCE OF HIS WORK.

GENERAL TRAFFIC CONTROL NOTES:

- THE CONTRACTOR WILL BE RESPONSIBLE FOR SUBMITTING A TRAFFIC CONTROL PLAN FOR APPROVAL AND THE INSTALLATION OF ALL TRAFFIC CONTROL SIGNAGE, SIGNALS, AND/OR DEVICES IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR INITIAL INSTALLATION OF ALL TRAFFIC CONTROL SIGNAGE REQUIRED FOR CONSTRUCTION.
- ROAD CLOSURES AND DETOURS, SHOULD THEY BE NEEDED, SHALL BE COORDINATED AND APPROVED WITH THE OWNER A MINIMUM OF TWO (2) CALENDAR WEEKS PRIOR TO PLANNED CLOSURE AND/OR DETOUR.
- CERTIFIED FLAGGERS AND/OR ARROW BOARDS WILL BE REQUIRED TO MAINTAIN TRAFFIC CONTROL WHILE WORKING WITHIN THE LIMITS OF PUBLIC OR PRIVATE ROADWAYS.
- CONTRACTOR SHALL MAINTAIN ONE (1) LANE OF TRAVEL OPEN AT ALL TIMES IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST ADDITION.

GENERAL CONSTRUCTION NOTES:

- ALL STRUCTURES, TREES AND SHRUBS WHICH ARE WITHIN THE DESIGNATED CONSTRUCTION EASEMENT, BUT OUTSIDE THE LIMITS OF CONSTRUCTION SHALL NOT BE DISTURBED UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER.
- UNUSABLE AND SURPLUS EXCAVATION MATERIAL NOT REQUIRED FOR FILL SHALL BE DISPOSED OF OFFSITE.
- CONTRACTOR IS TO CLEAN ALL STORM WATER INLETS AND PIPE AT THE COMPLETION OF CONSTRUCTION TO REMOVE ANY SILT AND DEBRIS. THE CLEANING OF DROP INLETS, CULVERTS, AND PIPES (EXISTING AND PROPOSED) SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. NO ADDITIONAL PAYMENT WILL BE MADE THEREFOR.
- ANY DAMAGE TO THE SIDE STREETS DUE TO CONSTRUCTION ACTIVITY SHALL BE REPAIRED IN AN EXPEDIENT MANNER AT THE CONTRACTOR'S EXPENSE.

CRANSTON ENGINEERING
ENGINEERS - PLANNERS - SURVEYORS
14 Westbury Park Way, Suite 202, Bluffton, SC 29910
Telephone 843-815-3191
mail@CranstonEngineering.com

SOUTH CAROLINA
Professional Engineer
Andrew John Bajoczyk
No. 33244
4/22/10

REV #	DATE	DESCRIPTION
6	4/22/2020	ISSUED FOR BID
5	4/15/2020	SCDOT RESUBMITTAL
4	3/10/2020	SCDOT RESUBMITTAL
3	10/09/2019	PTC RESUBMITTAL
2	9/18/2019	BJWSA COMMENTS
1	7/19/2019	BJWSA COMMENTS

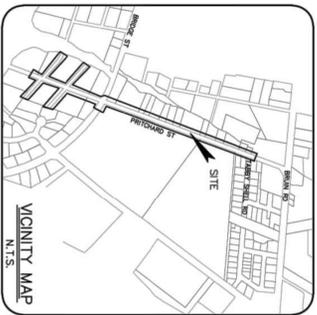
**PRITCHARD STREET
SEWER EXTENSION**

GENERAL NOTES & LEGEND

DRAWN BY:	AJB
CHECKED BY:	MER
APPROVED BY:	AJB
DATE:	6/5/2019
SCALE:	AS SHOWN
JOB No.	2018-0436
DRAWING No.	

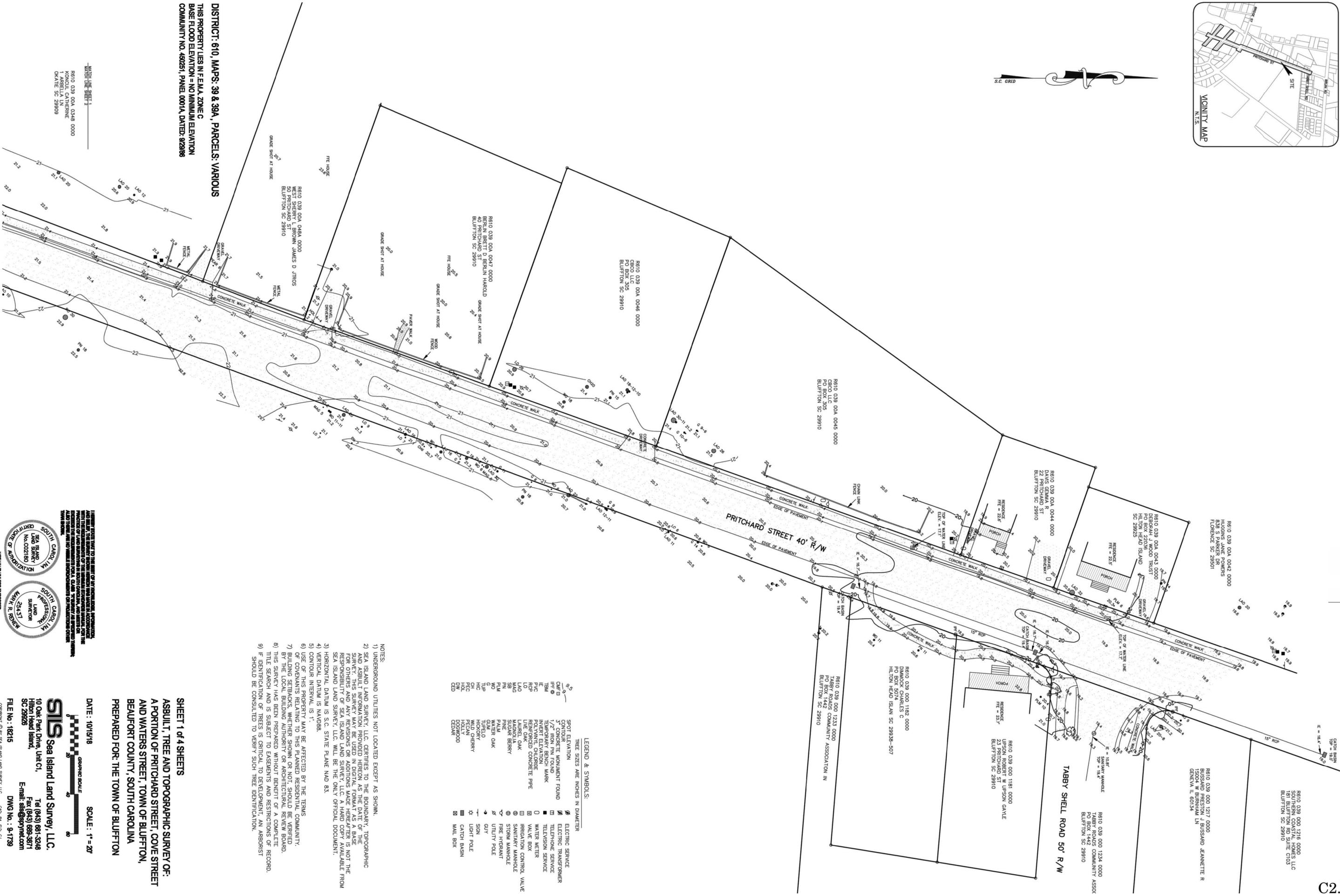


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EXISTING CONDITION

C2.0



DISTRICT: 610, MAPS: 39 & 39A, PARCELS: VARIOUS
 THIS PROPERTY LIES IN FEMA ZONE C
 BASE FLOOD ELEVATION = NO MINIMUM ELEVATION
 COMMUNITY NO. 450251, PANEL 0001A, DATED: 9/29/98

MAPS: SHEET 1
 SHEET 2
 R810 039 004 0348 0000
 KONIGL CATHERINE
 1 ARBELLA LN
 OKATE SC 29909

- NOTES:
- 1) UNDERGROUND UTILITIES NOT LOCATED EXCEPT AS SHOWN.
 - 2) SEA ISLAND LAND SURVEY, LLC CERTIFIES TO THE BOUNDARY, TOPOGRAPHIC AND ASBUILT INFORMATION PROVIDED HEREON AS THE DATE OF THE SURVEY. THIS SURVEY MAY BE USED IN DIGITAL FORMAT AS A BASE FOR OTHERS AND ANY REVISIONS OR ADDITIONS MADE HEREAFTER IS NOT THE RESPONSIBILITY OF SEA ISLAND LAND SURVEY, LLC. THIS SURVEY SHALL BE THE ONLY OFFICIAL DOCUMENT.
 - 3) HORIZONTAL DATUM IS S.C. STATE PLANE NAD 83.
 - 4) VERTICAL DATUM IS NAVD83.
 - 5) USE OF THIS PROPERTY MAY BE AFFECTED BY THE TERMS OF ANY DEEDS, EASEMENTS, OR OTHER INSTRUMENTS OF RECORD.
 - 6) BUILDING SETBACKS, WHENEVER SHOWN OR NOT, SHOULD BE VERIFIED BY THE LOCAL BUILDING AUTHORITY OR ARCHITECTURAL REVIEW BOARD.
 - 7) THIS SURVEY HAS BEEN PREPARED WITHOUT BENEFIT OF A COMPLETE TITLE SEARCH AND IS SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.
 - 8) IF IDENTIFICATION OF TREES IS CRITICAL TO DEVELOPMENT AN ABBREVIATED TREE IDENTIFICATION SHOULD BE CONSULTED TO VERIFY SUCH TREE IDENTIFICATION.

LEGEND & SYMBOLS:
 TREE SIZES ARE INCHES IN DIAMETER

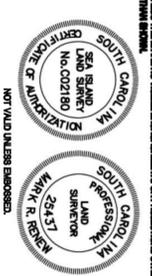
SPOT ELEVATION	⊕	ELECTRIC SERVICE
CONTOUR	—	ELECTRIC TRANSFORMER
CONCRETE FOUNDMENT ROUND	⊠	TELEPHONE SERVICE
TEMPORARY BENCH MARK	⊠	TELEVISION SERVICE
INVERT ELEVATION	⊖	WATER METER
RENFORCED CONCRETE PIPE	⊖	WATER BOX
LIVE OAK	⊖	IRRIGATION CONTROL VALVE
LAUREL OAK	⊖	SANITARY MANHOLE
SLIP OAK	⊖	STORM MANHOLE
SUGAR BERRY	⊖	FIRE HYDRANT
PINE	⊖	UTILITY POLE
WATER OAK	⊖	SIGN
GLIM	⊖	LIGHT POLE
HICKORY	⊖	CATCH BASIN
WILD CHERRY	⊖	DOGWOOD
FIELD SCISSOR	⊖	MAIL BOX
DOGWOOD	⊖	
CEDAR	⊖	

SHEET 1 of 4 SHEETS
 ASBUILT, TREE AND TOPOGRAPHIC SURVEY OF:
 A PORTION OF PRITCHARD STREET, COVE STREET
 AND WATERS STREET, TOWN OF BLUFFTON,
 BEAUFORT COUNTY, SOUTH CAROLINA
 PREPARED FOR: THE TOWN OF BLUFFTON

DATE: 10/15/18
 SCALE: 1" = 20'



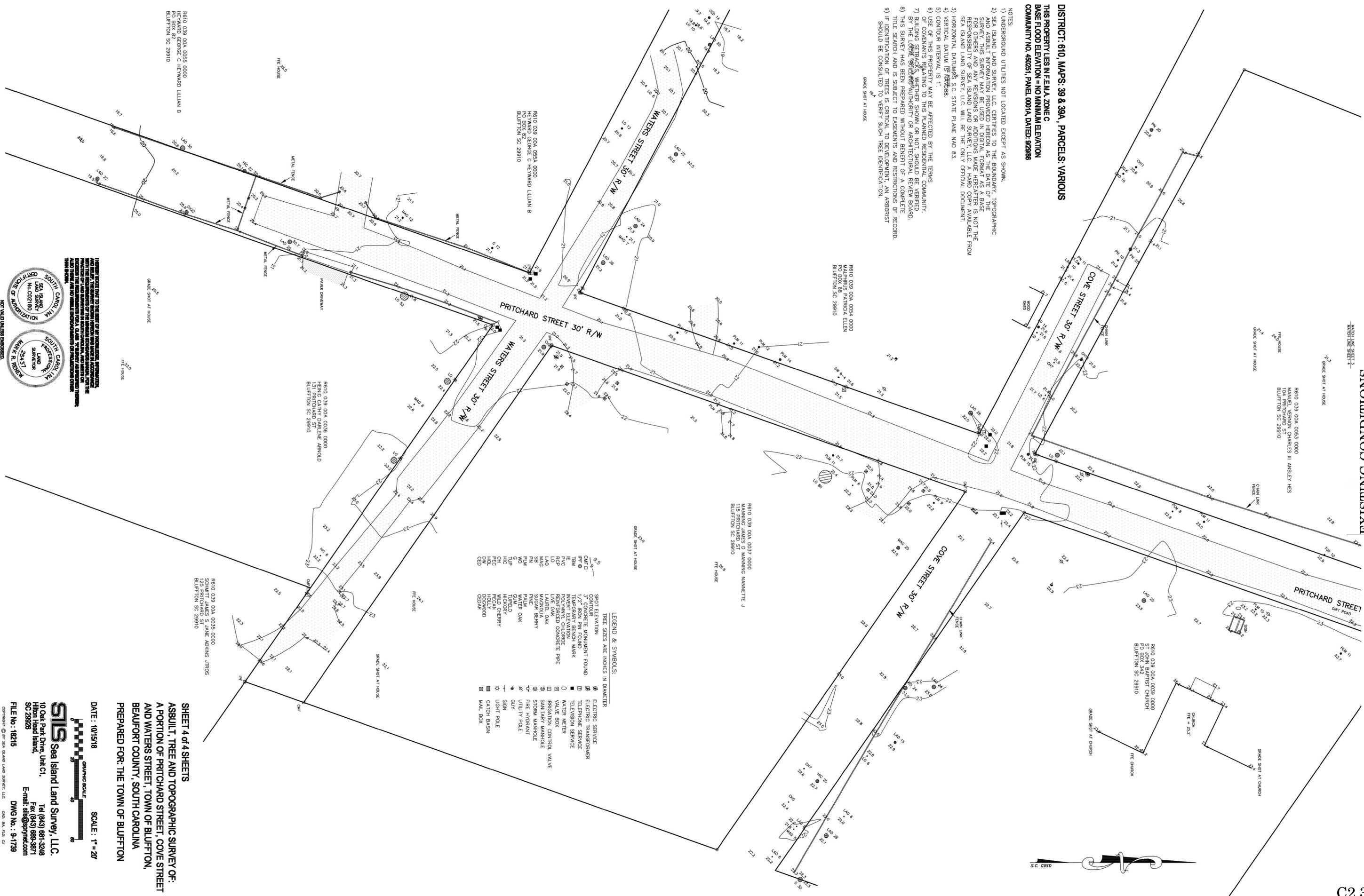
SIS Sea Island Land Survey, LLC.
 10 Oak Park Drive, Unit C1,
 Hilton Head Island, SC 29926
 Tel (843) 681-3248
 Fax (843) 689-3871
 E-mail: sis@spjps.com
 FILE NO.: 18215
 DWG NO.: 9-1739



COPYRIGHT © BY SEA ISLAND LAND SURVEY, LLC. CAD: BA, RD: CJ

DISTRICT: 610, MAPS: 39 & 39A, PARCELS: VARIOUS
 THIS PROPERTY LIES IN FEMA ZONE C
 BASE FLOOD ELEVATION = NO MINIMUM ELEVATION
 COMMUNITY NO. 490251, PANEL 0001A, DATED: 9/29/88

- NOTES:
- 1) UNDERGROUND UTILITIES NOT LOCATED EXCEPT AS SHOWN.
 - 2) SEA ISLAND SURVEY, LLC, CERTIFIES TO THE BOUNDARY, TOPOGRAPHIC AND ASBUILT INFORMATION PROVIDED HEREON AS THE DATE OF THE SURVEY. THIS SURVEY MAY BE USED IN DIGITAL FORMAT AS A BASE FOR OTHERS AND ANY REVISIONS OR ADDITIONS MADE HEREAFTER IS NOT THE RESPONSIBILITY OF SEA ISLAND SURVEY, LLC. SEA ISLAND SURVEY, LLC WILL BE THE ONLY OFFICIAL DOCUMENT.
 - 3) HORIZONTAL DATUM IS S.C. STATE PLANE NAD 83.
 - 4) VERTICAL DATUM IS NAVD83.
 - 5) CONTOUR INTERVAL IS 1'.
 - 6) USE OF THIS PROPERTY MAY BE AFFECTED BY THE TERMS OF CONDEMNATION AND RELATED ORDINANCES WHICH SHOULD BE VERIFIED BY THE CLIENT.
 - 7) BUILDINGS SHOWN ARE EITHER SHOWN OR NOT SHOWN AS AUTHORITY OR ARCHITECTURAL REVIEW BOARD.
 - 8) THIS SURVEY HAS BEEN PREPARED WITHOUT BENEFIT OF A COMPLETE TITLE SEARCH AND IS SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.
 - 9) IF IDENTIFICATION OF TREES IS CRITICAL TO DEVELOPMENT, AN ARBORIST SHOULD BE CONSULTED TO VERIFY SUCH TREE IDENTIFICATION.



LEGEND & SYMBOLS:
 TREE SIZES ARE INCHES IN DIAMETER

SPOT ELEVATION	●	ELECTRIC SERVICE
3" CONCRETE MONUMENT FOUND	■	ELECTRIC TRANSFORMER
1/2" IRON PIN FOUND	■	TELEPHONE SERVICE
TEMPORARY BENCH MARK	■	WATER METER
POLYMER BENCH MARK	■	VALVE BOX
REINFORCED CONCRETE PIPE	—	IRIGATION CONTROL VALVE
LIVE OAK	○	SANITARY MANHOLE
MAGNOLIA	○	FIRE HYDRANT
SUGAR BERRY	○	UTILITY POLE
WATER OAK	○	SIGN
PALM	○	LIGHT POLE
WILD CHERRY	○	CATCH BASIN
HICKORY	○	MALL BOX
DOGWOOD	○	
DOGWOOD	○	

I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THE INFORMATION CONTAINED HEREON IS TRUE AND CORRECT AND THAT I AM A LICENSED SURVEYOR IN THE STATE OF SOUTH CAROLINA. I AM NOT PROVIDING ANY GUARANTEE OR WARRANTY OF ANY KIND, AND I AM NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY OCCUR IN THE FUTURE. THIS SURVEY IS FOR INFORMATIONAL PURPOSES ONLY AND DOES NOT CONSTITUTE A TITLE SEARCH OR A GUARANTEE OF ANY KIND.

SOUTH CAROLINA PROFESSIONAL LAND SURVEYOR
 No. 25437
 MARY R. REYNOLDS

SOUTH CAROLINA PROFESSIONAL LAND SURVEYOR
 No. 002180
 SEA ISLAND SURVEY, LLC

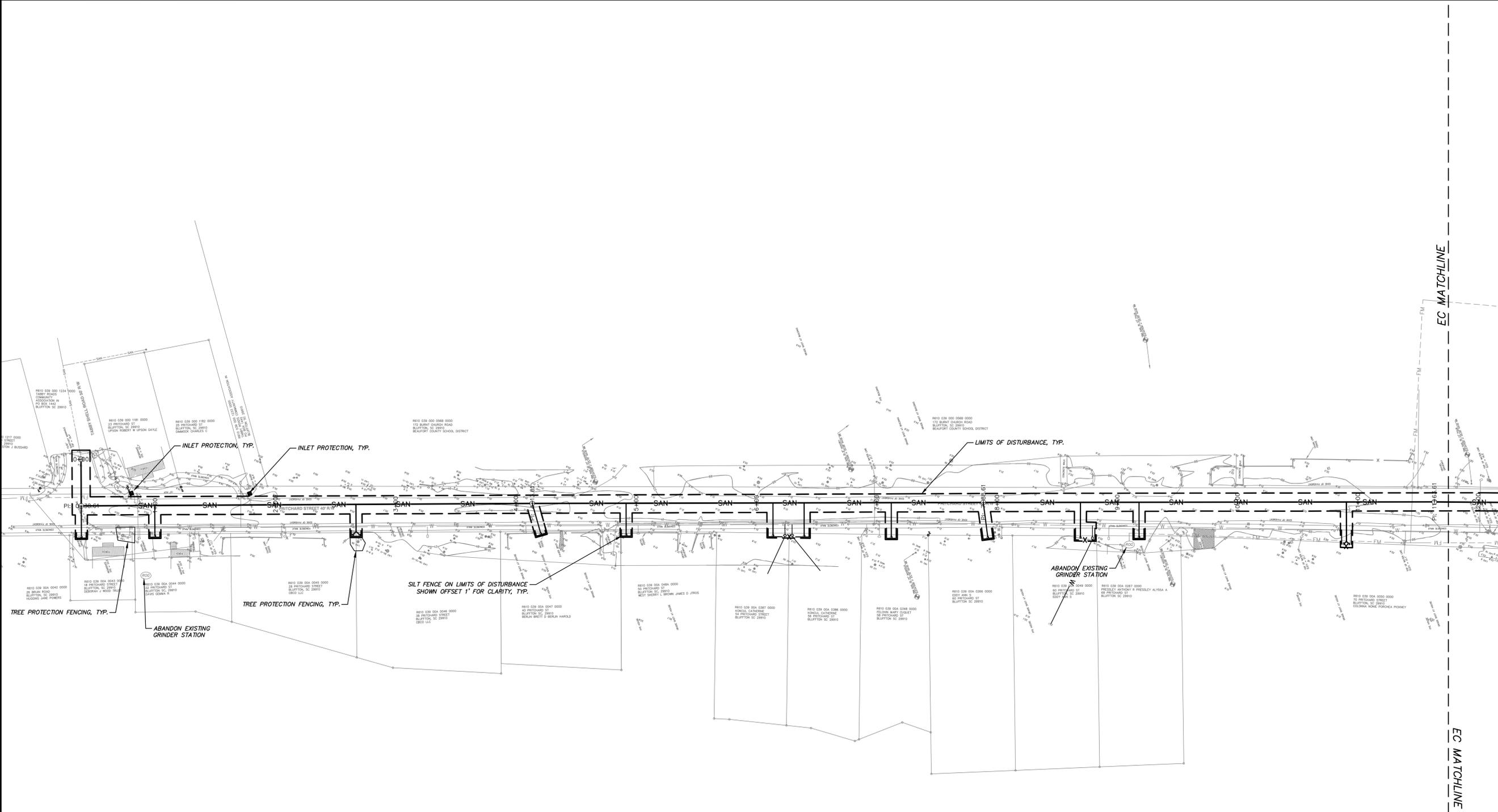
NOT VALID UNLESS SIGNED

SIS Sea Island Land Survey, LLC.
 10 Oak Park Drive, Unit C1,
 Hilton Head Island,
 SC 29928
 E-mail: sis@spynet.com
 DWG No.: 9-1739

DATE: 10/15/18
 SCALE: 1" = 20'

SHEET 4 of 4 SHEETS
 ASBUILT, TREE AND TOPOGRAPHIC SURVEY OF:
 A PORTION OF PRITCHARD STREET, COVE STREET
 AND WATERS STREET, TOWN OF BLUFFTON,
 BEAUFORT COUNTY, SOUTH CAROLINA
 PREPARED FOR: THE TOWN OF BLUFFTON

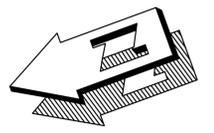
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South Carolina Department of Health and Environmental Control
MAPPING SYMBOLS FOR EROSION AND SEDIMENT CONTROL PLANS
 EFFECTIVE DATE: AUGUST 2005

DESCRIPTION	SYMBOL
TREE PROTECTION	—
SILT FENCE	— X —
LIMITS OF DISTURBANCE	- - -
SEDIMENT TUBE	⌒
TYPE F INLET PROTECTION	[F]

DISTURBED AREA = 0.86 AC
 SEE SHEET C5.0 FOR SWPPP DETAILS



CRANSTON
 ENGINEERING

ENGINEERS - PLANNERS - SURVEYORS
 14 Westbury Park Way, Suite 202, Bluffton, SC 29910
 Telephone 843-815-3191
 mail@CranstonEngineering.com

SOUTH CAROLINA
 Cranston Engineering Group, P.C.
 NO. C00575
 CERTIFICATE OF AUTHORIZATION

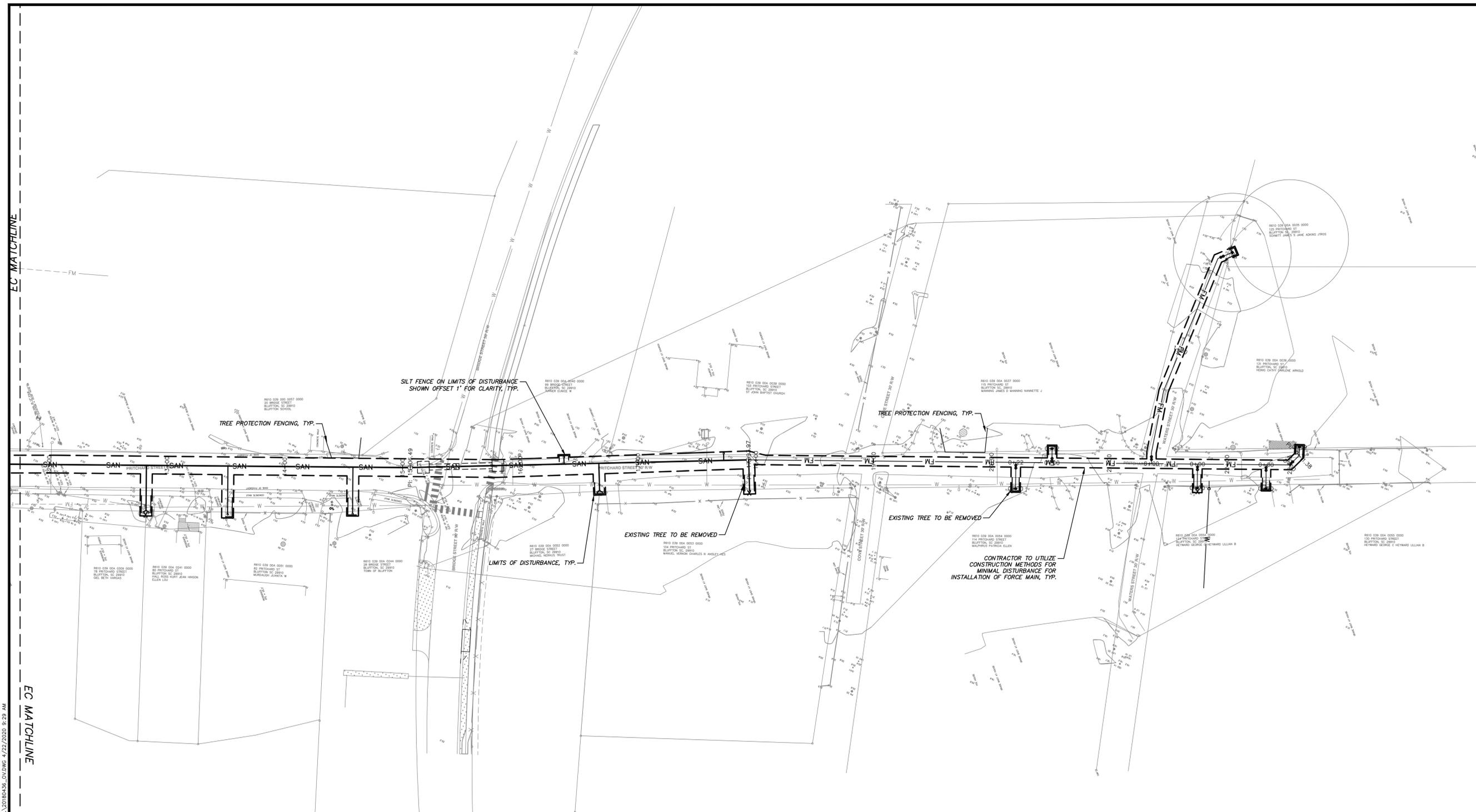
SOUTH CAROLINA
 REGISTERED PROFESSIONAL ENGINEER
 NO. 33274
 ANDREW JOHN BAJOCKY
 4/22/20

REV #	DATE	DESCRIPTION
6	4/22/2020	ISSUED FOR BID
5	4/15/2020	SCOT RESUBMITTAL
4	3/10/2020	SCOT RESUBMITTAL
3	10/6/2019	PTC RESUBMITTAL
2	9/18/2019	BWSA COMMENTS
1	7/19/2019	BWSA COMMENTS

**PRITCHARD STREET
 SEWER EXTENSION**

SWPP PLAN

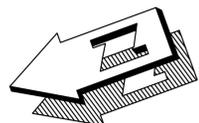
DRAWN BY: AJB
 CHECKED BY: MER
 APPROVED BY: AJB
 DATE: 6/5/2019
 SCALE: AS SHOWN
 JOB No. 2018-0436
 DRAWING No. C3.0



South Carolina Department of Health and Environmental Control
MAPPING SYMBOLS FOR EROSION AND SEDIMENT CONTROL PLANS
 EFFECTIVE DATE: AUGUST 2005

DESCRIPTION	SYMBOL
TREE PROTECTION	—
SILT FENCE	— X —
LIMITS OF DISTURBANCE	- - -
SEDIMENT TUBE	⌒
TYPE F INLET PROTECTION	⌈ F ⌋

DISTURBED AREA = 0.86 AC
 SEE SHEET C5.0 FOR SWPPP DETAILS



PLAN
 HORIZONTAL SCALE 1"=40'



REV #	DATE	DESCRIPTION
6	4/22/2020	ISSUED FOR BID
5	4/15/2020	SCOT RESUBMITTAL
4	3/10/2020	SCOT RESUBMITTAL
3	10/8/2019	PTC RESUBMITTAL
2	9/18/2019	BWSA COMMENTS
1	7/19/2019	BWSA COMMENTS

**PRITCHARD STREET
 SEWER EXTENSION
 SWPP PLAN**

DRAWN BY:	AJB
CHECKED BY:	MER
APPROVED BY:	AJB
DATE:	6/5/2019
SCALE:	AS SHOWN
JOB No.	2018-0436
DRAWING No.	

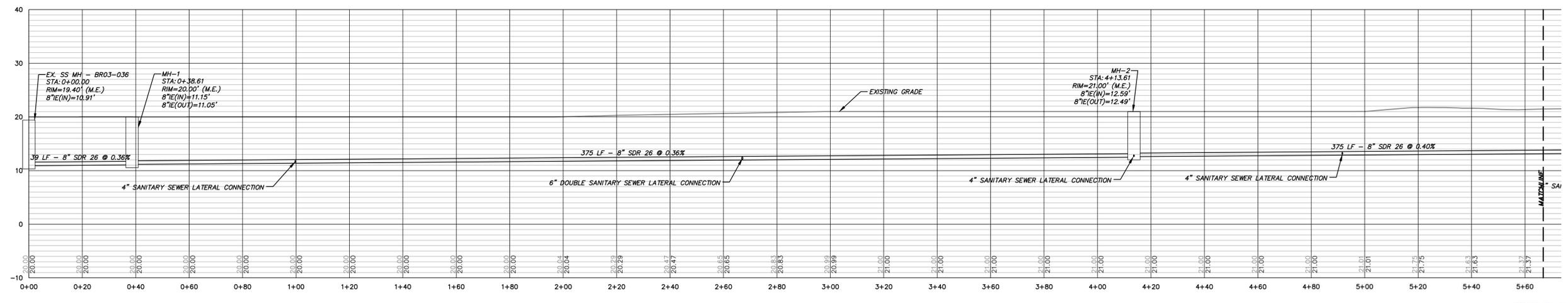
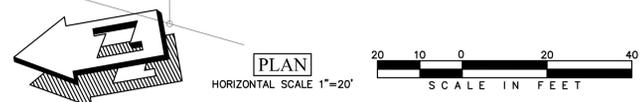
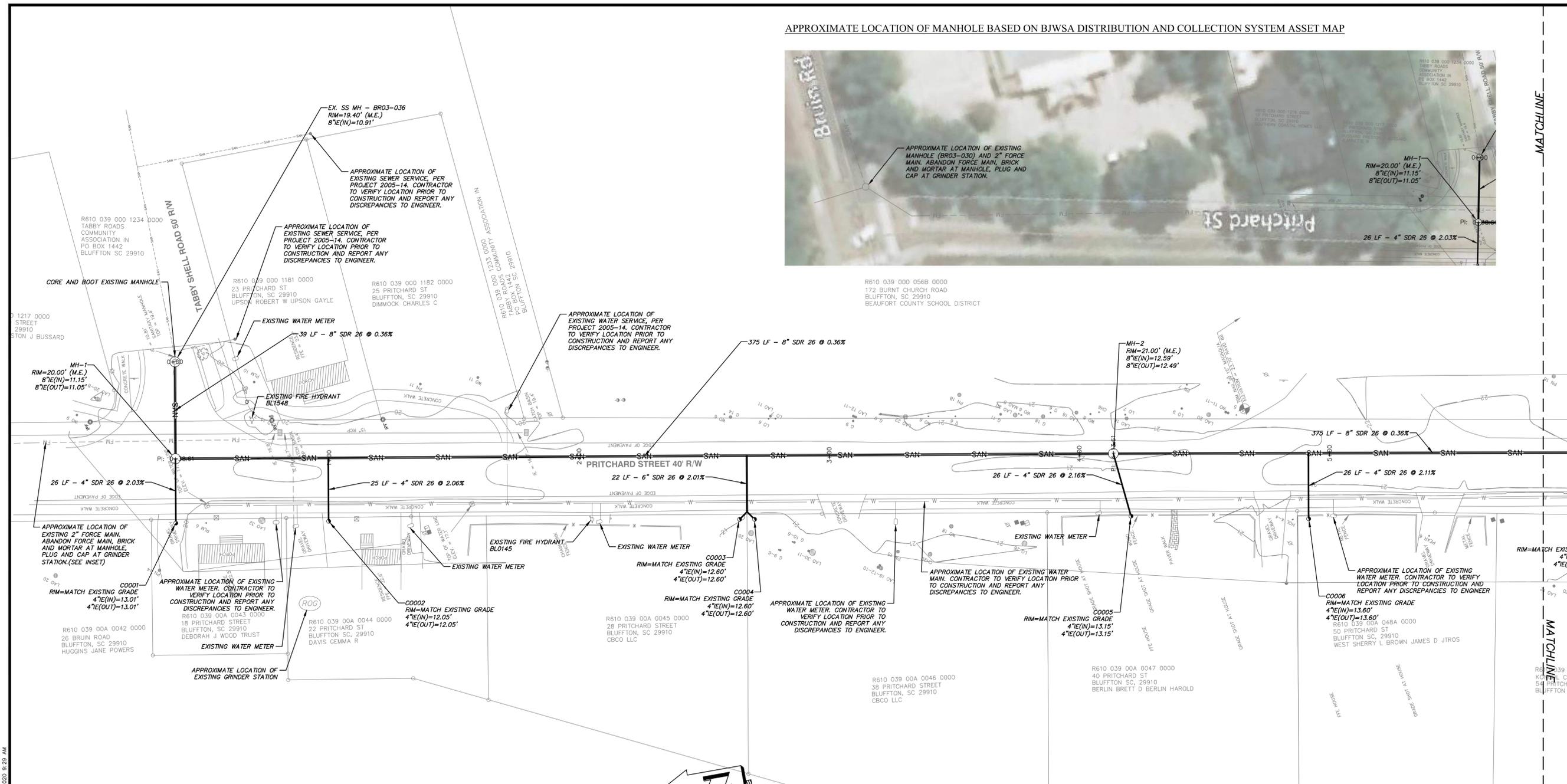
C3.1

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 Telephone 843-815-3191
 mail@CranstonEngineering.com

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APPROXIMATE LOCATION OF MANHOLE BASED ON BJWSA DISTRIBUTION AND COLLECTION SYSTEM ASSET MAP



VERTICAL DATUM: NAVD 88



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REV #	DATE	DESCRIPTION
1	7/19/2019	BWSA COMMENTS
2	9/18/2019	BWSA COMMENTS
3	10/16/2019	PTC RESUBMITTAL
4	3/10/2020	SCOT RESUBMITTAL
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**PRITCHARD STREET
SEWER EXTENSION**

SEWER PLAN & PROFILE

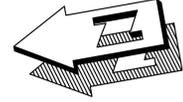
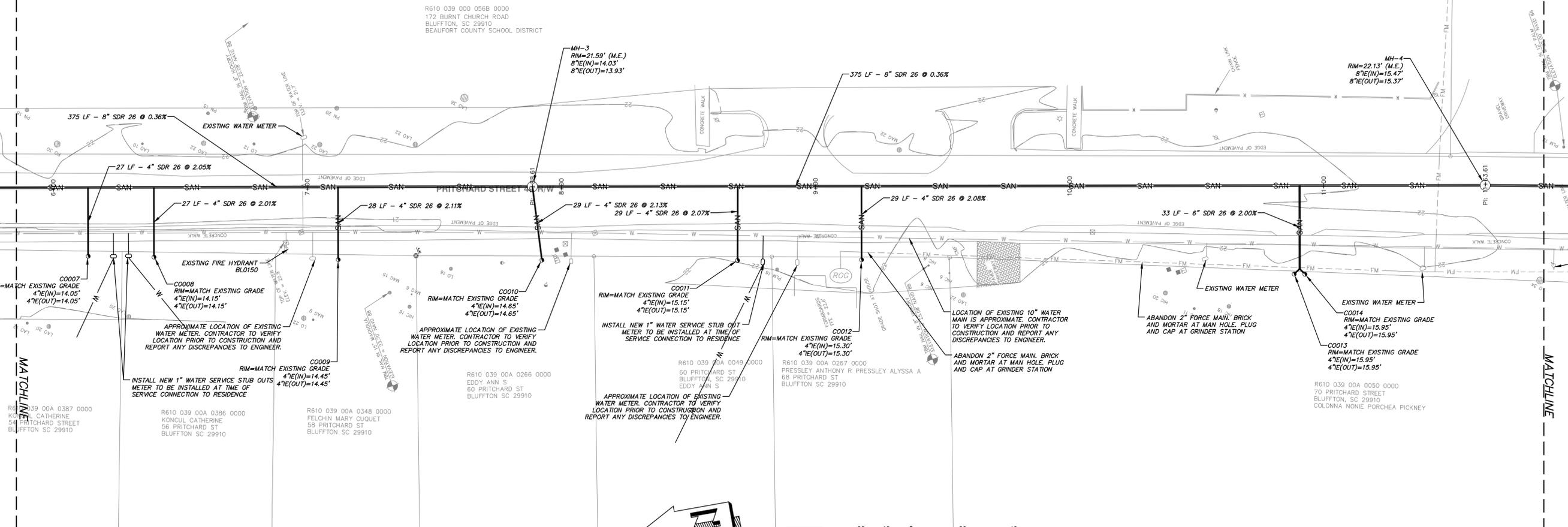
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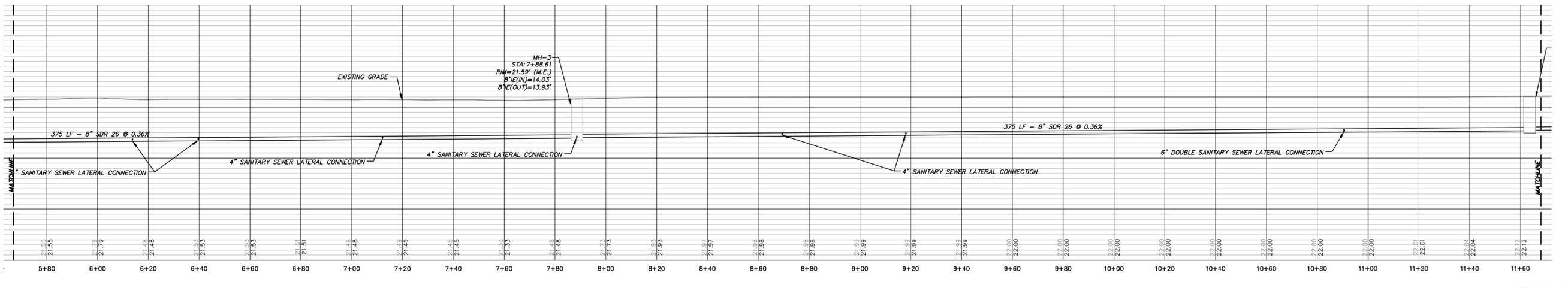
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MATCHLINE

MATCHLINE



PLAN
HORIZONTAL SCALE 1"=20'
SCALE IN FEET



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1	7/09/2019	BWSA COMMENTS

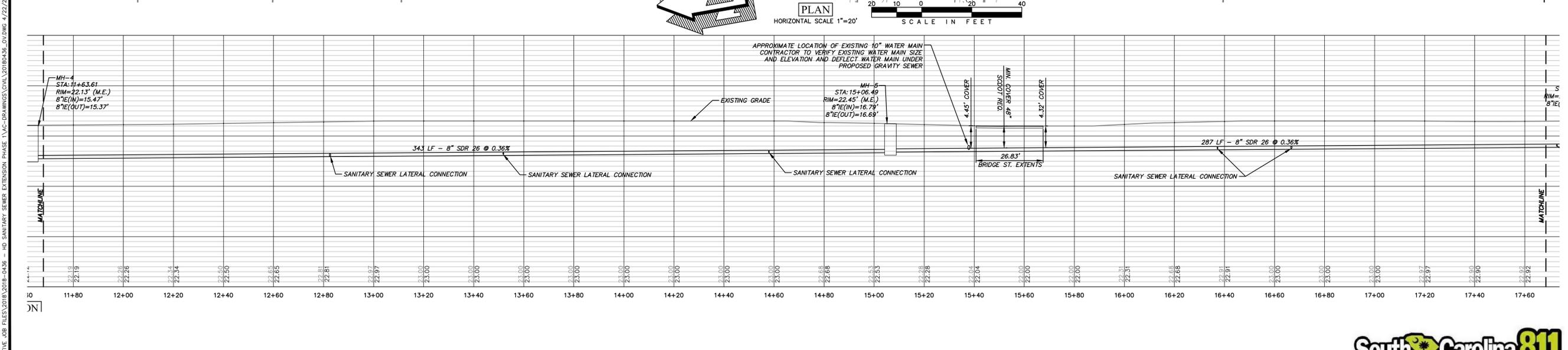
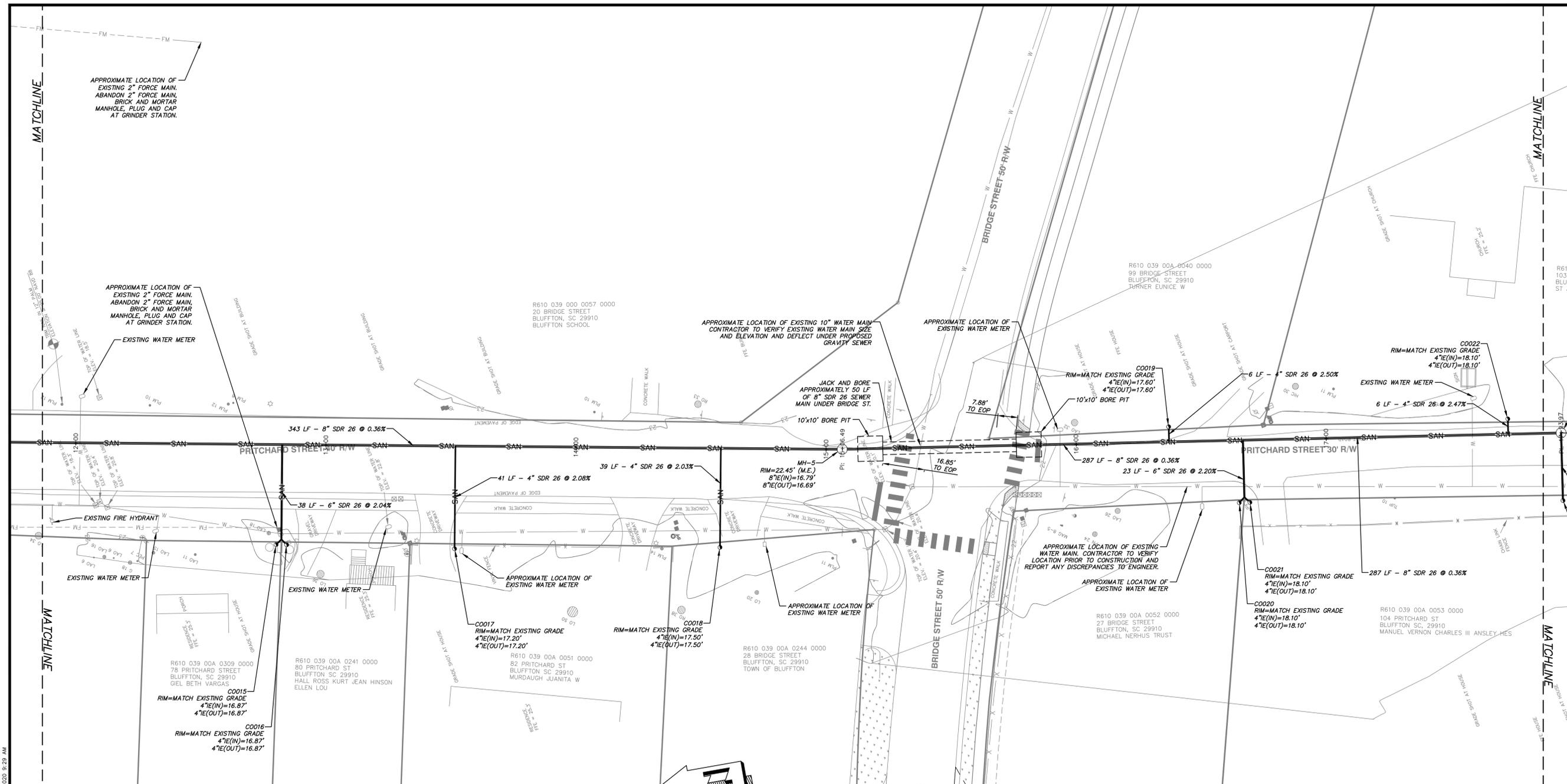
**PRITCHARD STREET
SEWER EXTENSION**

SEWER PLAN & PROFILE

DRAWN BY:	AJB
CHECKED BY:	MER
APPROVED BY:	AJB
DATE:	6/5/2019
SCALE:	AS SHOWN
JOB No.	2018-0436
DRAWING No.	

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VERTICAL DATUM: NAVD 88



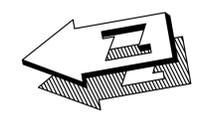
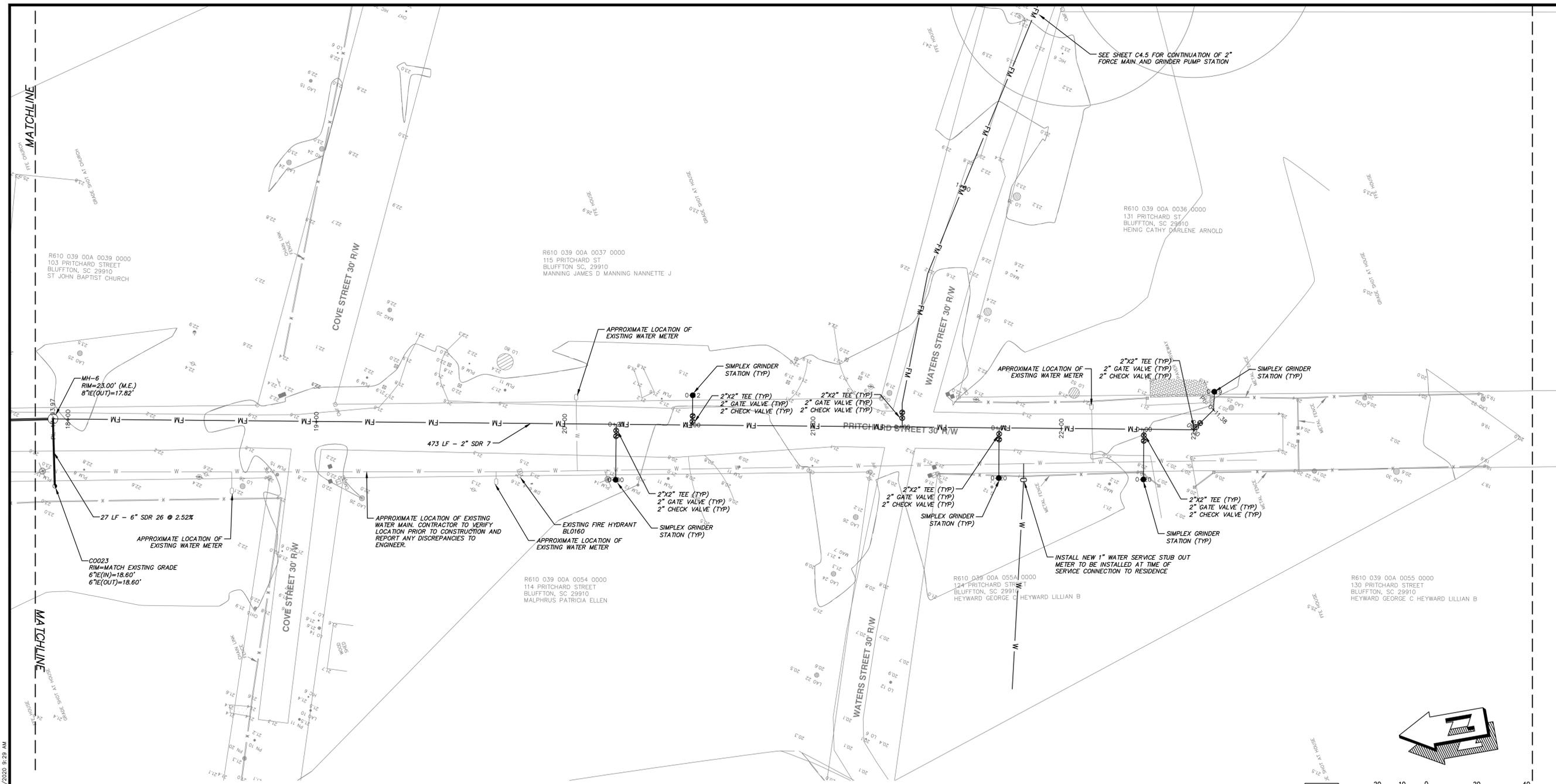
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4	3/10/2020	SCOT RESUBMITTAL
3	10/09/2019	PTC RESUBMITTAL
2	9/18/2019	BWSA COMMENTS
1	7/09/2019	BWSA COMMENTS

**PRITCHARD STREET
SEWER EXTENSION**
SEWER PLAN & PROFILE

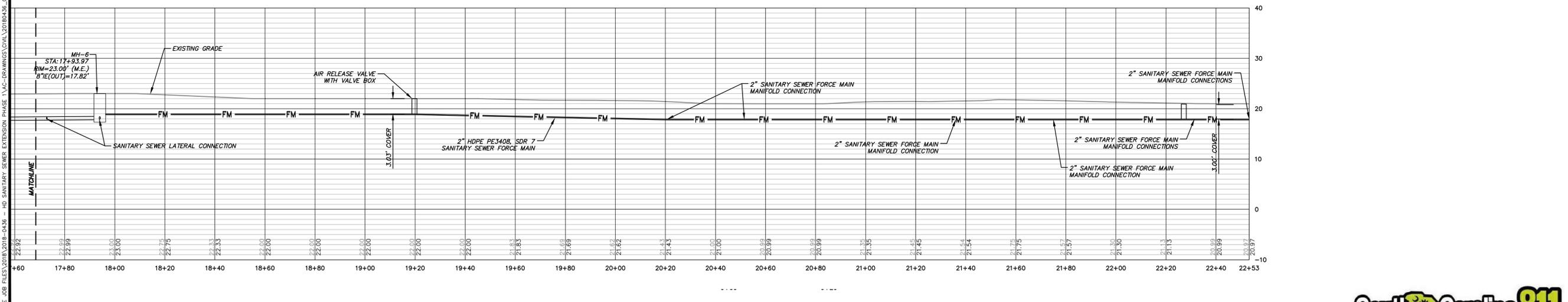
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CHECKED BY:	MER
APPROVED BY:	AJB
DATE:	6/5/2019
SCALE:	AS SHOWN
JOB No.	2018-0436
DRAWING No.	C4.2



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PLAN
HORIZONTAL SCALE 1"=20'



VERTICAL DATUM: NAVD 88



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SOUTH CAROLINA
Professional Engineer
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NO. C00575

SOUTH CAROLINA
Professional Engineer
Andrew John Baiocky
NO. 33754
4/22/10

REV #	DATE	DESCRIPTION
6	4/22/2020	ISSUED FOR BID
5	4/15/2020	SCOT RESUBMITTAL
4	3/10/2020	SCOT RESUBMITTAL
3	10/09/2019	PTC RESUBMITTAL
2	9/18/2019	BWSA COMMENTS
1	7/09/2019	BWSA COMMENTS

**PRITCHARD STREET
SEWER EXTENSION**

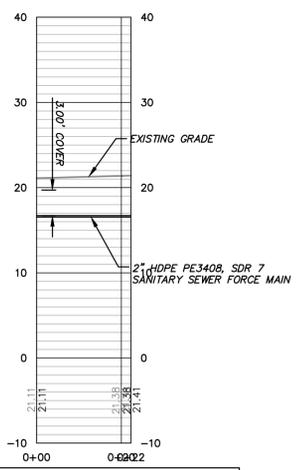
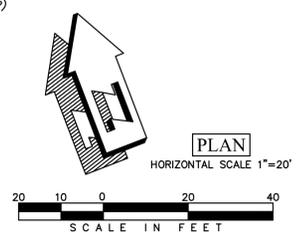
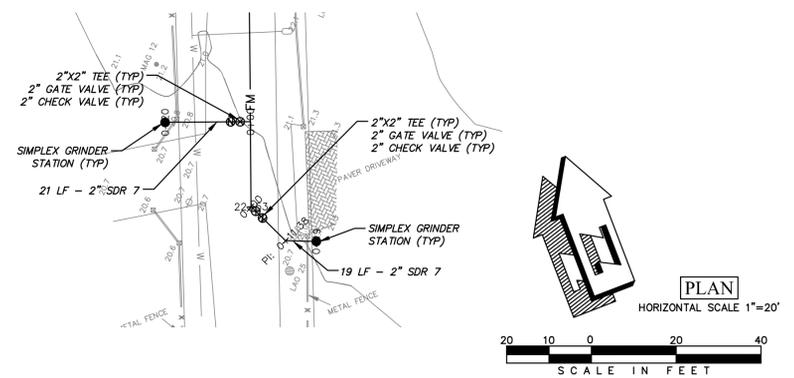
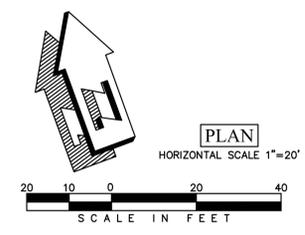
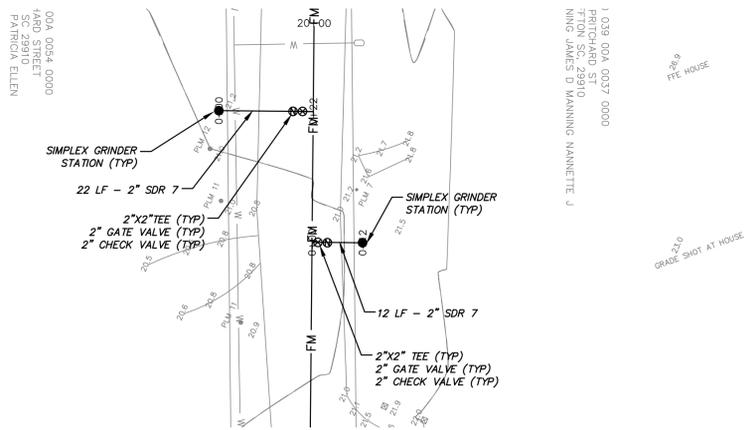
SEWER PLAN & PROFILE

DRAWN BY: AJB
CHECKED BY: MER
APPROVED BY: AJB

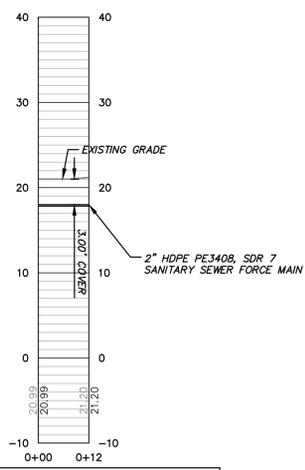
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SCALE: AS SHOWN
JOB No. 2018-0436
DRAWING No.

C4.3

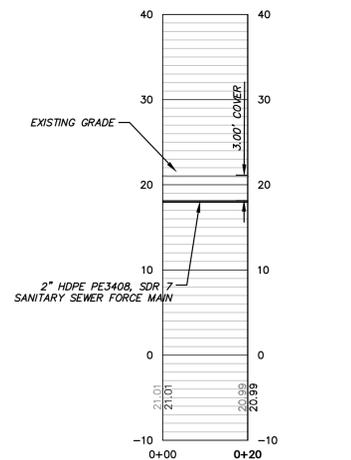
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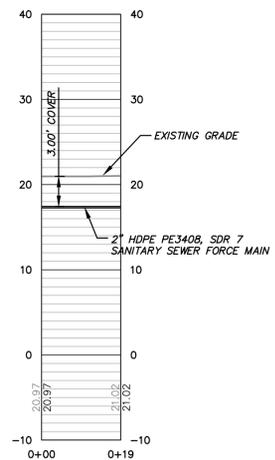
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 HORIZONTAL SCALE: 1"=20'
 VERTICAL SCALE: 1"=10'



PRITCHARD STREET - FORCE MAIN 2
 HORIZONTAL SCALE: 1"=20'
 VERTICAL SCALE: 1"=10'



PRITCHARD STREET - FORCE MAIN 4
 HORIZONTAL SCALE: 1"=20'
 VERTICAL SCALE: 1"=10'



PRITCHARD STREET - FORCE MAIN 5
 HORIZONTAL SCALE: 1"=20'
 VERTICAL SCALE: 1"=10'



REV #	DATE	DESCRIPTION
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4	3/10/2020	SCOT RESUBMITTAL
3	10/8/2019	PTC RESUBMITTAL
2	9/18/2019	BWSA COMMENTS
1	7/19/2019	BWSA COMMENTS

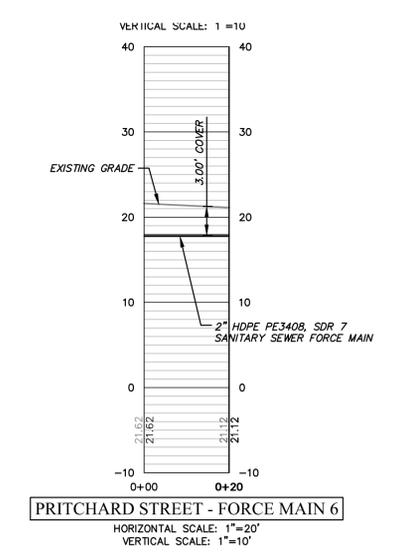
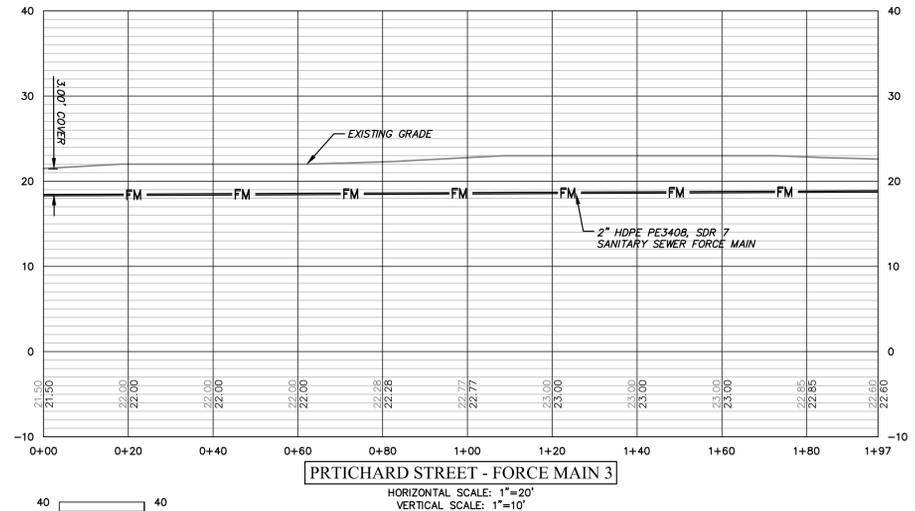
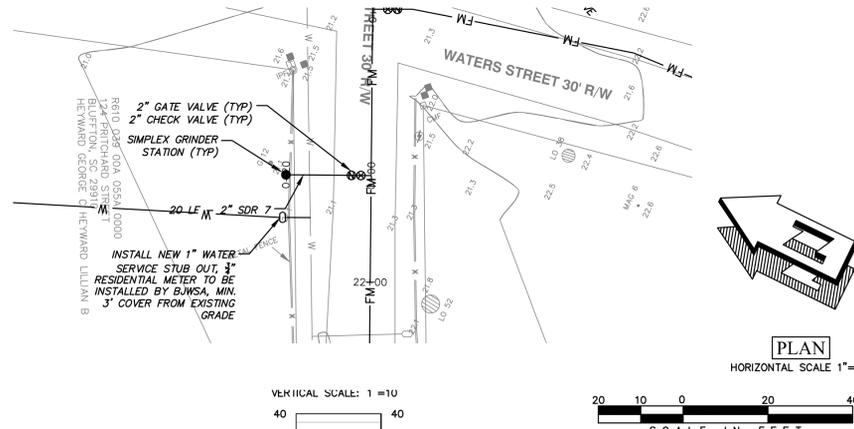
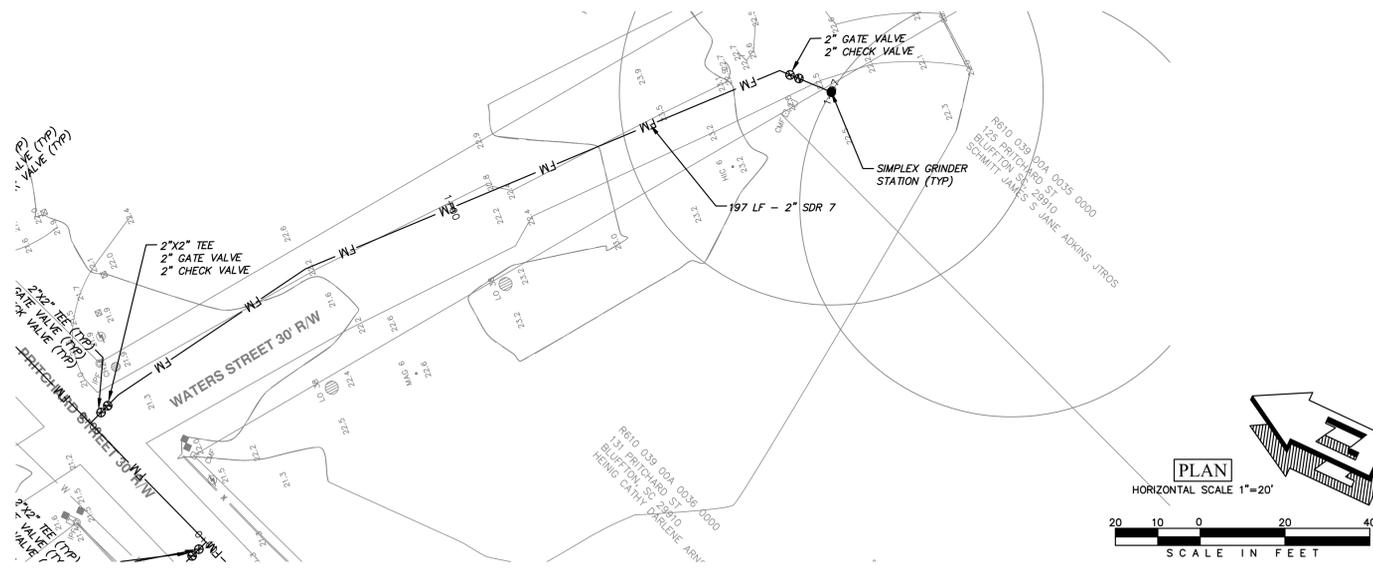
**PRITCHARD STREET
 SEWER EXTENSION
 SEWER PLAN & PROFILE**

DRAWN BY:	AJB
CHECKED BY:	MER
APPROVED BY:	AJB
DATE:	6/5/2019
SCALE:	AS SHOWN
JOB No.	2018-0436
DRAWING No.	C4.4



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VERTICAL DATUM: NAVD 88



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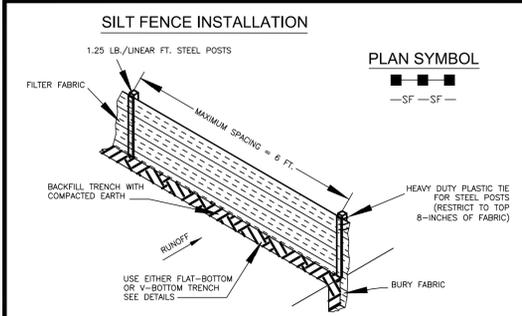


REV #	DATE	DESCRIPTION
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5	4/15/2020	SCOT RESUBMITTAL
4	3/10/2020	SCOT RESUBMITTAL
3	10/09/2019	PTC RESUBMITTAL
2	9/18/2019	BWSA COMMENTS
1	7/09/2019	BWSA COMMENTS

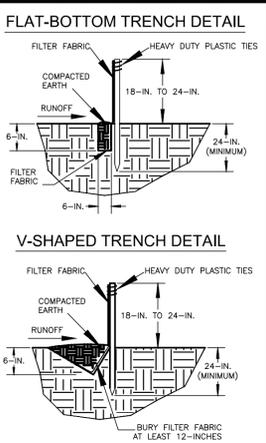
**PRITCHARD STREET
SEWER EXTENSION**
SEWER PLAN & PROFILE

DRAWN BY:	AJB
CHECKED BY:	MER
APPROVED BY:	AJB
DATE:	6/5/2019
SCALE:	AS SHOWN
JOB No.	2018-0436
DRAWING No.	





- SILT FENCE - GENERAL NOTES**
- Do not place silt fences across channels or in other areas subject to concentrated flows. Silt fence should not be used as a velocity control BMP. Concentrated flows are any flows greater than 0.5 cfs.
 - Maximum sheet or overland flow path length to the silt fence shall be 100-feet.
 - Maximum slope steepness (normal [perpendicular] to the fence line) shall be 2:1.
 - Silt fence joints, when necessary, shall be completed by one of the following options:
 - Wrap each fabric together at a support post with both ends fastened to the post, with a 1-foot minimum overlap.
 - Overlap silt fence by installing 3-feet passed the support post to which the new silt fence roll is attached. Attach old roll to new roll with heavy-duty plastic ties, or
 - Overlap entire width of each silt fence roll from one support post to the next support post.
 - Attach filter fabric to the steel posts using heavy-duty plastic ties that are evenly spaced within the top 8-inches of the fabric.
 - Install the silt fence perpendicular to the direction of the stormwater flow and place the silt fence the proper distance from the toe of steep slopes to provide sediment storage and access for maintenance and cleanup.
 - Install Silt Fence Checks (Tie-Backs) every 50-100 feet, dependent on slope, along silt fence that is installed with slope and where concentrated flows are expected or are documented along the proposed/installed silt fence.



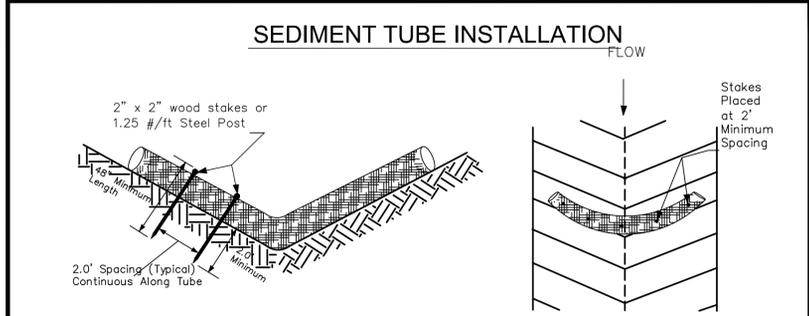
South Carolina Department of Health and Environmental Control

SILT FENCE

STANDARD DRAWING NO. SC-03 Page 1 of 2

NOT TO SCALE

FEBRUARY 2014 DATE



SEDIMENT TUBE SPACING

SLOPE	MAX. SEDIMENT TUBE SPACING
LESS THAN 2%	150-FEET
2%	100-FEET
3%	75-FEET
4%	50-FEET
5%	40-FEET
6%	30-FEET
GREATER THAN 6%	25-FEET

South Carolina Department of Health and Environmental Control

SEDIMENT TUBES

STANDARD DRAWING NO. SC-05 PAGE 1 of 2

NOT TO SCALE

FEBRUARY 2014 DATE

SILT FENCE - POST REQUIREMENTS

- Silt Fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics:
 - Composed of a high strength steel with a minimum yield strength of 50,000 psi.
 - Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches.
 - Weight 1.25 pounds per foot (± 8%).
- Posts shall be equipped with projections to aid in fastening of filter fabric.
- Steel posts may need to have a metal soil stabilization plate welded near the bottom when installed along steep slopes or installed in loose soils. The plate should have a minimum cross section of 17-square inches and be composed of 15 gauge steel, at a minimum. The metal soil stabilization plate should be completely buried.
- Install posts to a minimum of 24-inches. A minimum height of 1- to 2-inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
- Post spacing shall be at a maximum of 6-feet on center.

SILT FENCE - FABRIC REQUIREMENTS

- Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements:
 - Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polypropylene, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other.
 - Free of any treatment or coating which might adversely alter its physical properties after installation.
 - Free of any defects or flaws that significantly affect its physical and/or filtering properties; and
 - Have a minimum width of 36-inches.
- Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
- 12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
- Filter Fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
- Filter Fabric shall be installed at a minimum of 24-inches above the ground.

South Carolina Department of Health and Environmental Control

SILT FENCE

STANDARD DRAWING NO. SC-03 PAGE 2 of 2

GENERAL NOTES

FEBRUARY 2014 DATE

SEDIMENT TUBES - GENERAL NOTES

- Sediment tubes may be installed along contours, in drainage conveyance channels, and around inlets to help prevent off-site discharge of sediment-laden stormwater runoff.
- Sediment tubes are elongated tubes of compacted geotextiles, curled excelsior wood, natural coconut fiber, or hardwood mulch. Straw, pine needle, and leaf mulch-filled sediment tubes are not permitted.
- The outer netting of the sediment tube should consist of seamless, high-density polyethylene photodegradable materials treated with ultraviolet stabilizers or a seamless, high-density polyethylene non-degradable material.
- Sediment tubes, when used as checks within channels, should range between 18-inches and 24-inches depending on channel dimensions. Diameters outside this range may be allowed where necessary when approved.
- Curled excelsior wood, or natural coconut products that are rolled up to create a sediment tube are not allowed.
- Sediment tubes should be staked using wooden stakes (2-inch x 2-inch) or steel posts (standard "T" or "T" sections with a minimum weight of 1.25 pounds per foot) at a minimum of 48-inches in length placed on 2-foot centers.
- Install all sediment tubes to ensure that no gaps exist between the soil and the bottom of the tube. Manufacturer's recommendations should always be consulted before installation.
- The ends of adjacent sediment tubes should be overlapped 6-inches to prevent flow and sediment from passing through the field joint.
- Sediment tubes should not be stacked on top of one another, unless recommended by manufacturer.
- Each sediment tube should be installed in a trench with a depth equal to 1/5 the diameter of the sediment tube.
- Sediment tubes should continue up the side slopes a minimum of 1-foot above the design flow depth of the channel.
- Install stakes at a diagonal facing incoming runoff.

SEDIMENT TUBES - INSPECTION & MAINTENANCE

- The key to functional sediment tubes is weekly inspections, routine maintenance, and regular sediment removal.
- Regular inspections of sediment tubes shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall event that produces 1/2-inch or more of precipitation.
- Attention to sediment accumulations in front of the sediment tube is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
- Remove accumulated sediment when it reaches 1/3 the height of the sediment tube.
- Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
- Large debris, trash, and leaves should be removed from in front of tubes when found.
- If erosion causes the edges to fall to a height equal to or below the height of the sediment tube, repairs should be made immediately to prevent runoff from bypassing tube.
- Sediment tubes should be removed after the contributing drainage area has been completely stabilized. Permanent vegetation should replace areas from which sediment tubes have been removed.

South Carolina Department of Health and Environmental Control

SEDIMENT TUBES

STANDARD DRAWING NO. SC-05 PAGE 2 of 2

GENERAL NOTES

FEBRUARY 2014 DATE

- STANDARD NOTES:**
- PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER & TEMPORARY SEEDING AT THE END OF THE DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
 - STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE WORK HAS CEASED, EXCEPT AS NOTED:
 - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS. STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
 - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, & EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
 - THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY FROM THE CONSTRUCTION AREA & THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
 - ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
 - RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS OR OBTAIN APPROVAL FOR AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 & SCR100000.
 - LITTER, CONSTRUCTION DEBRIS, OILS, FUELS & BUILDING PRODUCTS WITH THE SIGNIFICANT POTENTIAL IMPACT (SUCH AS STOCK-PILES OF FRESHLY TREATED LUMBER) & CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
 - ALL SEDIMENT & EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
 - INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND DISTURBING ACTIVITIES HAVE CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
 - MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
 - MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT & VEHICLE WASHING. WHEEL WASH WATER, & OTHER WASH WATER. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
 - MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES & EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMP'S (SEDIMENT BASIN, FILTER BAG, ETC.)
 - THE FOLLOWING DISCHARGES FROM THE SITE ARE PROHIBITED:
 - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL
 - WASTEWATER FROM WASHOUT & CLEANOUT OF STUCCO, PAINT, FROM RELEASE OILS, CURING COMPOUNDS & OTHER CONSTRUCTION MATERIALS
 - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE & EQUIPMENT OPERATION & MAINTENANCE
 - SOAPS OR SOLVENTS USED IN VEHICLE & EQUIPMENT WASHING
 - AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK & MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
 - IF EXISTING BMP'S NEED TO BE MODIFIED OR IF ADDITIONAL BMP'S ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE NEXT STORM IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP & ALTERNATIVE BMP'S MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
 - TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO INERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
 - ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
 - IF CABLE, ELECTRIC, AND NATURAL GAS UTILITIES ARE INSTALLED, THE INSTALLATION OF THESE IS TO BE WITHIN THE PERMITTED LIMITS OF DISTURBANCE AND INSTALLATION OUTSIDE OF THESE AREAS WILL REQUIRE A MODIFICATION TO THE PERMIT.
 - INLET PROTECTION SHALL BE PROVIDED AT ALL EXISTING INLETS THAT RECEIVE FLOWS FROM THE DISTURBED AREAS.
 - CONSTRUCTION ENTRANCES SHALL BE PROVIDED AT ALL LOCATIONS WHERE CONSTRUCTION TRAFFIC ACCESSES A PAVED ROADWAY.

MONTHS OF CONSTRUCTION ACTIVITIES

ACTIVITY	1	2	3
INSTALL SILT FENCE & TREE PROTECTION FENCE	█	█	█
INSTALL INLET PROTECTION & PERFORM SITE DEMOLITION	█	█	█
TREE REMOVAL	█	█	█
INSTALLATION OF SEWER MAIN AND SERVICES	█	█	█
MAINTENANCE OF EROSION CONTROL BMP'S	█	█	█
TEMPORARY GRASSING	█	█	█
FINAL GRASSING	█	█	█
REMOVAL OF SEDIMENT CONTROL STRUCTURES	█	█	█

1. THE TIME AND PERIODS ABOVE ARE NOT EXACT OR READILY DETERMINABLE BUT IN ALL CASES SOIL EROSION AND SEDIMENT CONTROL STRUCTURES WILL BE INCORPORATED INTO THE CONSTRUCTION IN THE SEQUENCE AS SHOWN ABOVE AND/OR AS DIRECTED BY TOWN OF HILTON HEAD ISLAND OR SCDHEC.

2. GRASSING WILL BE ACCEPTED WHEN A 95% COVER BY PERMANENT GRASSES IS OBTAINED AND WEEDS ARE NOT DOMINANT.

3. GRASSING OF CONSTRUCTION AREAS WILL COMMENCE AT COMPLETION OF EACH PHASE OF CONSTRUCTION OR IN THE SEQUENCE AS SHOWN ABOVE. IN ANY CASE, GRASSING OF ANY CONSTRUCTION AREA WILL BEGIN AT THE EARLIEST POSSIBLE DATE.

4. I HAVE PLACED MY SIGNATURE AND SEAL ON THE DESIGN DOCUMENTS SUBMITTED SIGNIFYING THAT I ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE SYSTEM. I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE DESIGN IS CONSISTENT WITH THE REQUIREMENTS OF TITLE 48, CHAPTER 14 OF THE CODE OF LAWS OF SC, 1976 AS AMENDED, PURSUANT TO REGULATION 72-300 ET SEQ. (IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SCR100000.

GRASSING REQUIREMENTS

- SEEDING SCHEDULE: TEMPORARY SEEDING: APRIL 15 - AUGUST 31, BROWNTOP MILLET @ 40 LBS./ACRE. SEPTEMBER 1 - DECEMBER 15, RYE GRASS @ 55 LBS./ACRE. PERMANENT SEEDING: APRIL 1 - OCTOBER 15, A MIXTURE OF KENTUCKY 31 FESCUE @ 20 LBS./ACRE AND CREEPING RED FESCUE @ 20 LBS./ACRE. SEPTEMBER 1 TO OCTOBER 15, ADD A NURSE CROP OF ABRUZZI RYE @ 75 LBS./ACRE. OCTOBER 15 TO MARCH 30 SEED ABRUZZI RYE AT 100 LBS./ACRE. DOLOMITIC LIME WILL BE INCORPORATED AT THE RATE OF 3000 POUNDS/ACRE. FERTILIZER WILL BE A COMMERCIAL GRADE 10-10-10 INCORPORATED INTO THE SOIL AT A RATE OF 1500 POUNDS/ACRE.
- FROM JUNE THROUGH AUGUST AND NOT LESS THAN 30 DAYS AFTER SEEDING, APPLY AMMONIUM NITRATE (NOT LESS THAN 20% NITRATE) AT A RATE EQUAL TO 60 POUNDS OF AVAILABLE NITROGEN/ACRE.
- ALL SEEDING AREAS WILL BE MULCHED WITH HAY OR STRAW AT A RATE OF 1500 POUNDS/ACRE.
- SEEDING AND MULCHING MAY BE ACCOMPLISHED IN A SINGLE HYDROSEEDING OPERATION. SEEDING AREAS WILL BE MULCHED WITH HAY, STRAW OR WOOD CELLULOSE AT A RATE OF 1500 LBS./ACRE.

TEMPORARY GRASSING:

- MARCH 1-AUGUST 14 SHALL BE PEARL MILLET 50 LBS./ACRE COVERED WITH HEAVY MULCH. AUGUST 15-FEBRUARY 28 SHALL BE RYE GRASS 40 LBS./ACRE AND RYE GRASS SIMULTANEOUSLY.

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SOUTH CAROLINA ENGINEERING GROUP, P.C. NO. C00575

SOUTH CAROLINA PROFESSIONAL ENGINEER ANDREW JOHN BAJOCCO NO. 83284

REV #	DATE	DESCRIPTION
6	4/22/2020	ISSUED FOR BID
5	4/15/2020	SCOT RESUBMITTAL
4	3/10/2020	SCOT RESUBMITTAL
3	10/09/2019	PTC RESUBMITTAL
2	9/18/2019	BWSA COMMENTS
1	7/19/2019	BWSA COMMENTS

PRITCHARD STREET SEWER EXTENSION

SWPPP DETAILS

DRAWN BY: AUB

CHECKED BY: MER

APPROVED BY: AUB

DATE: 6/5/2019

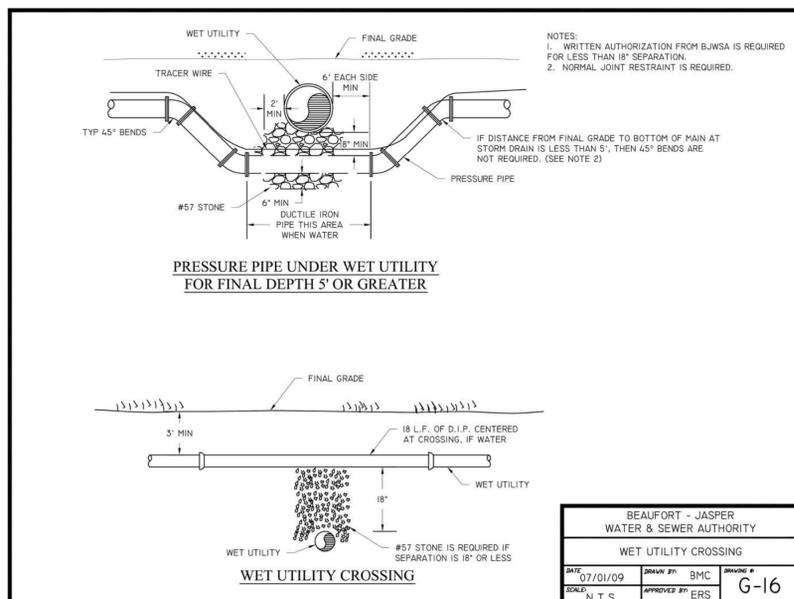
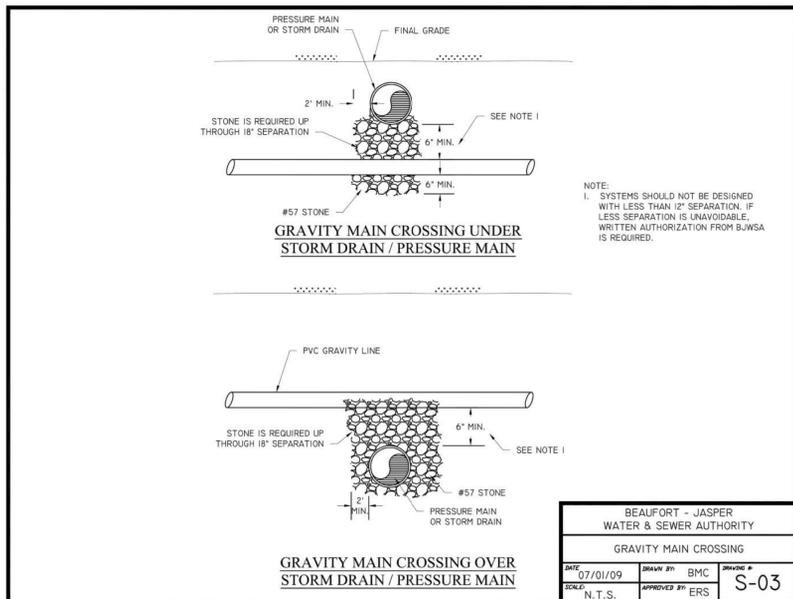
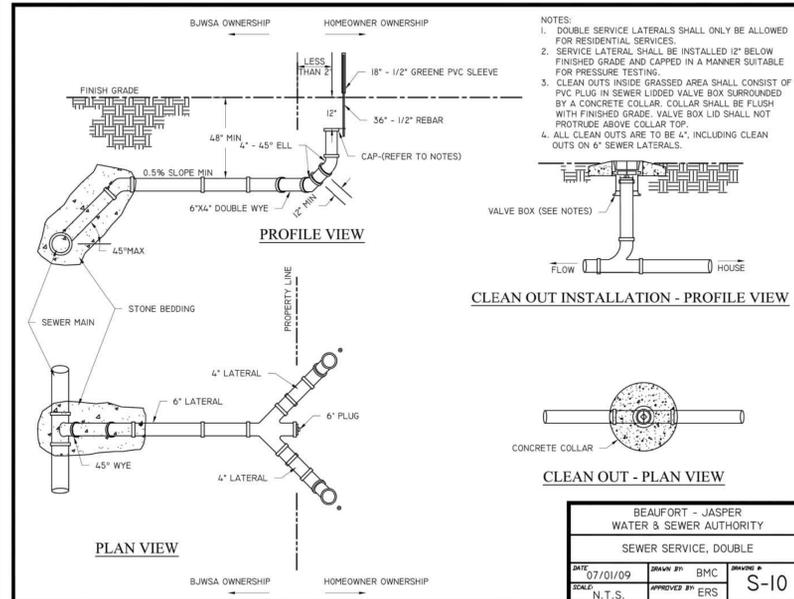
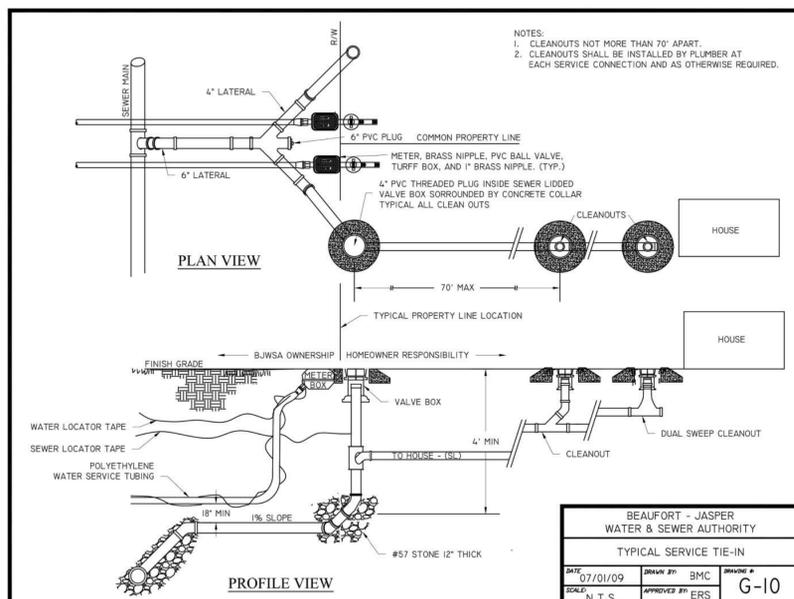
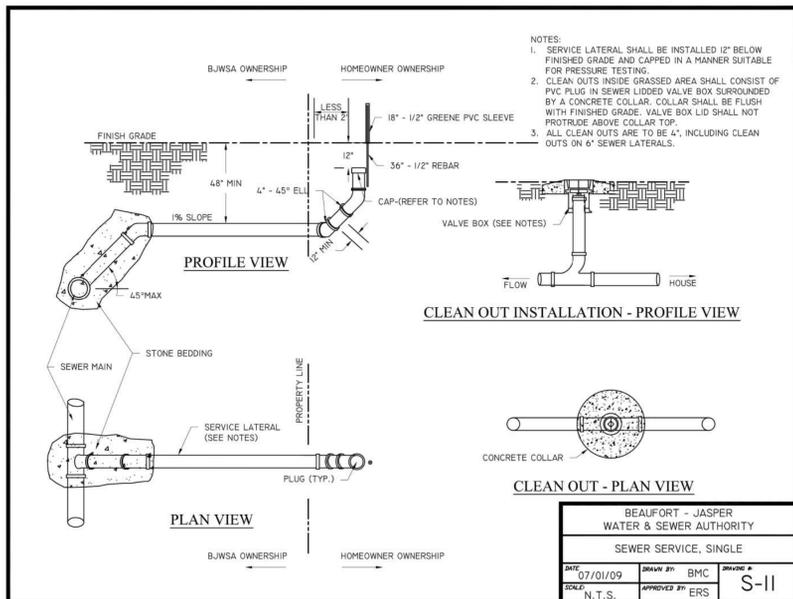
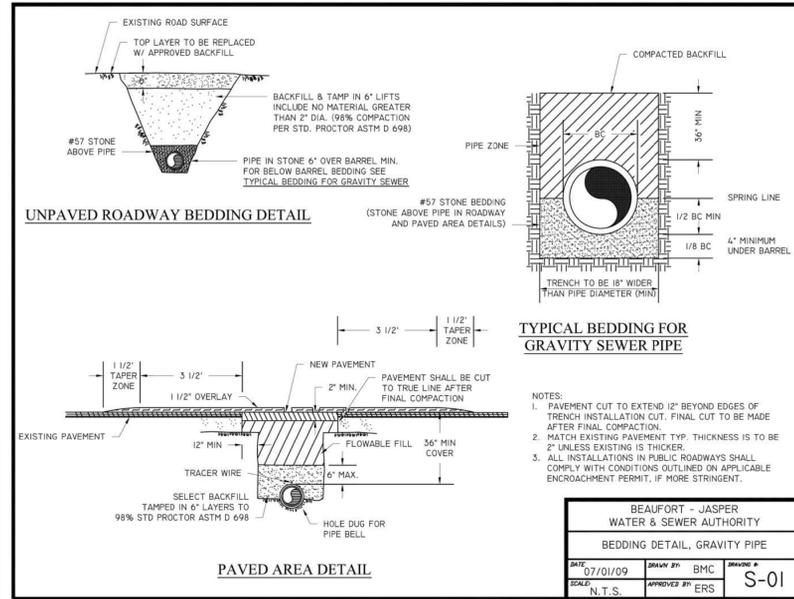
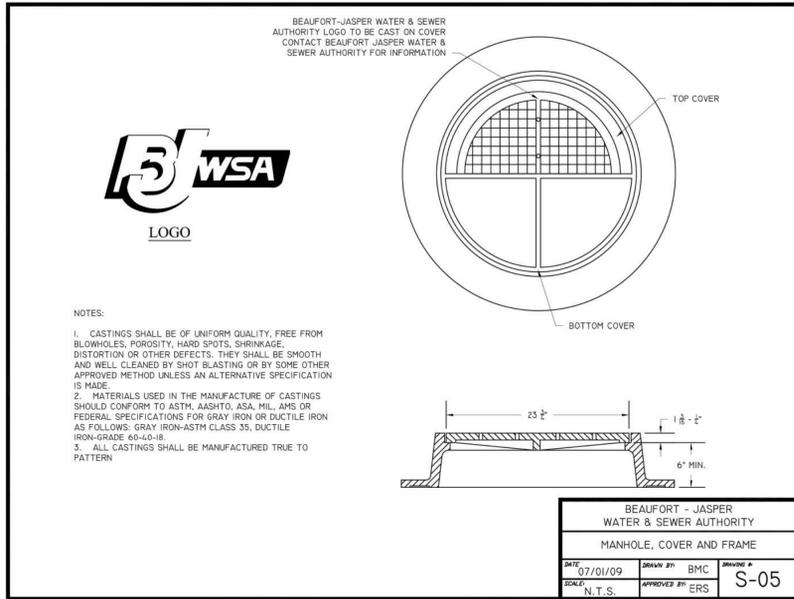
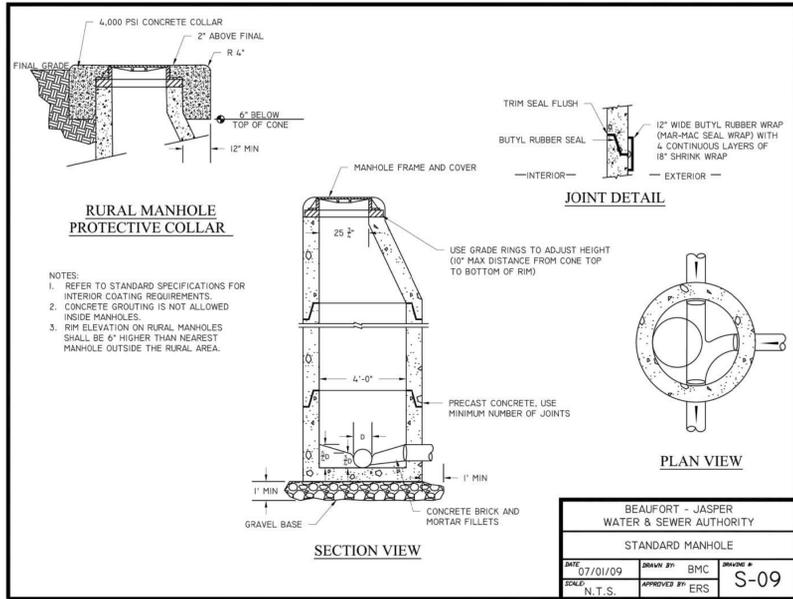
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JOB No. 2018-0436

DRAWING No. C5.0



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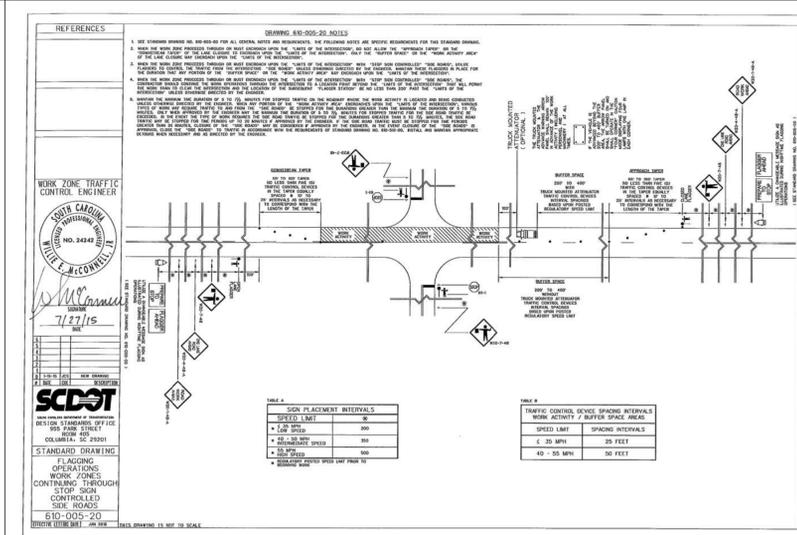
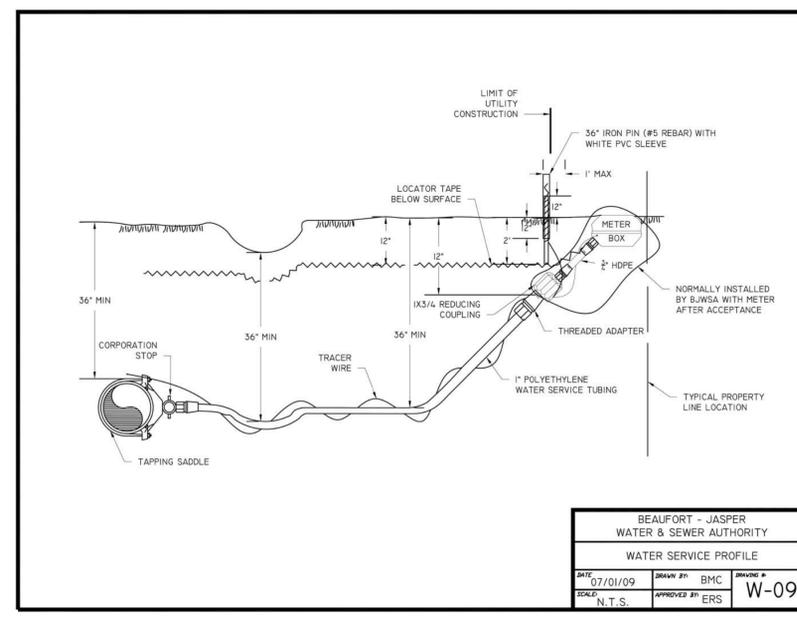
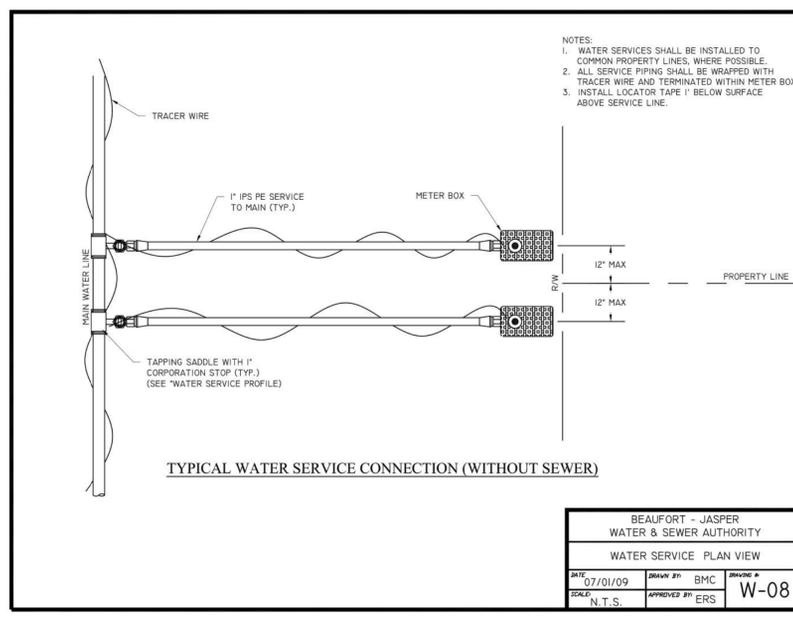
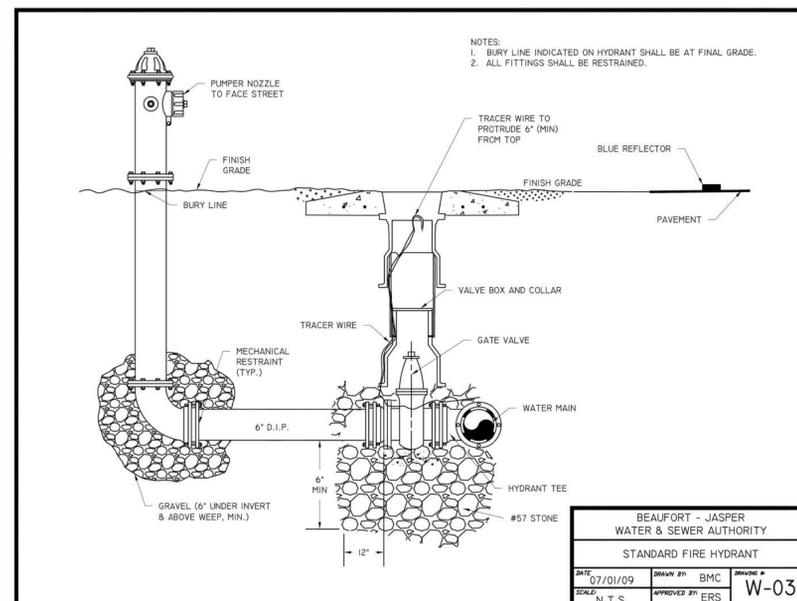
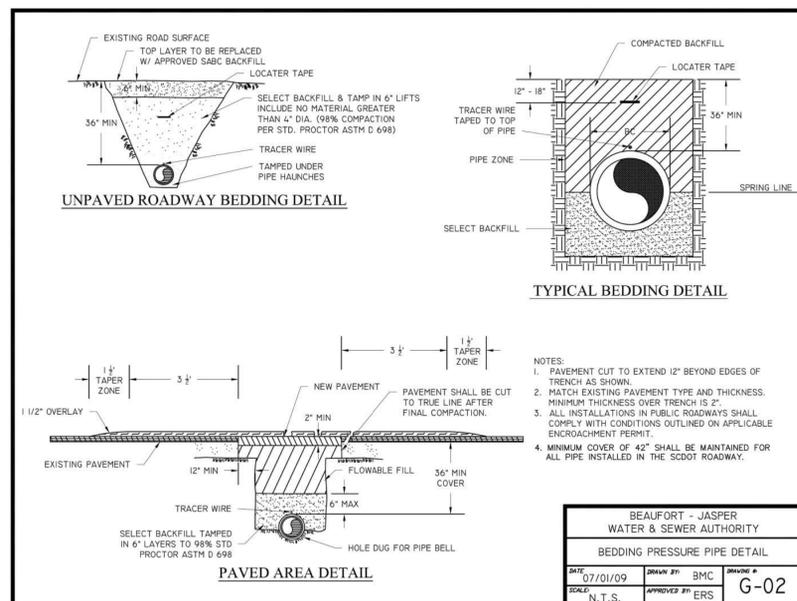
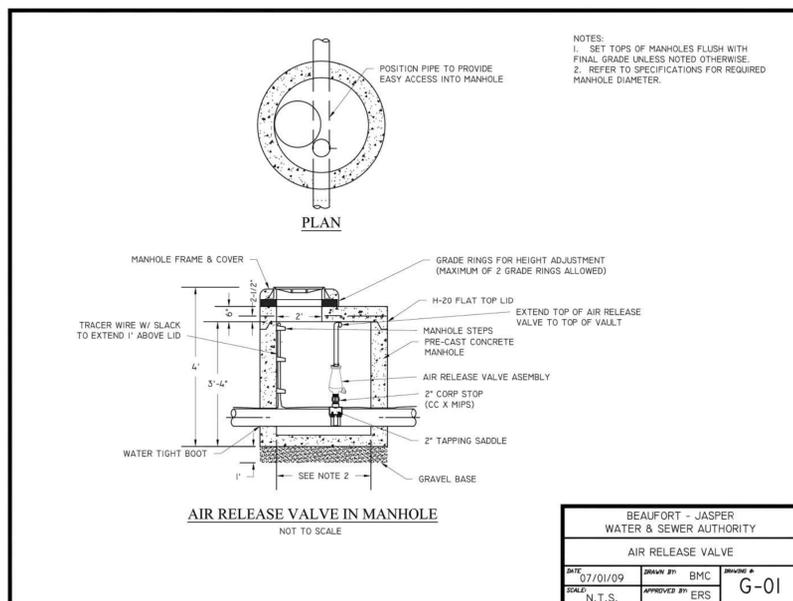
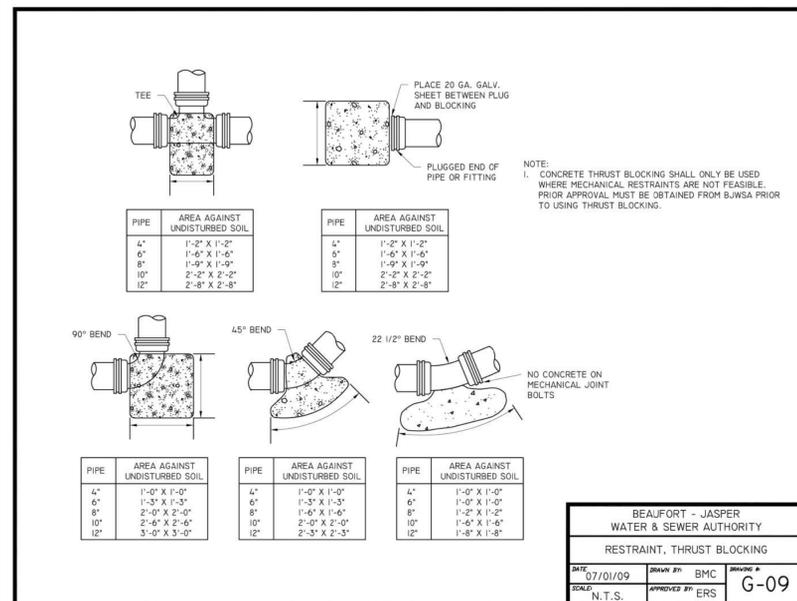
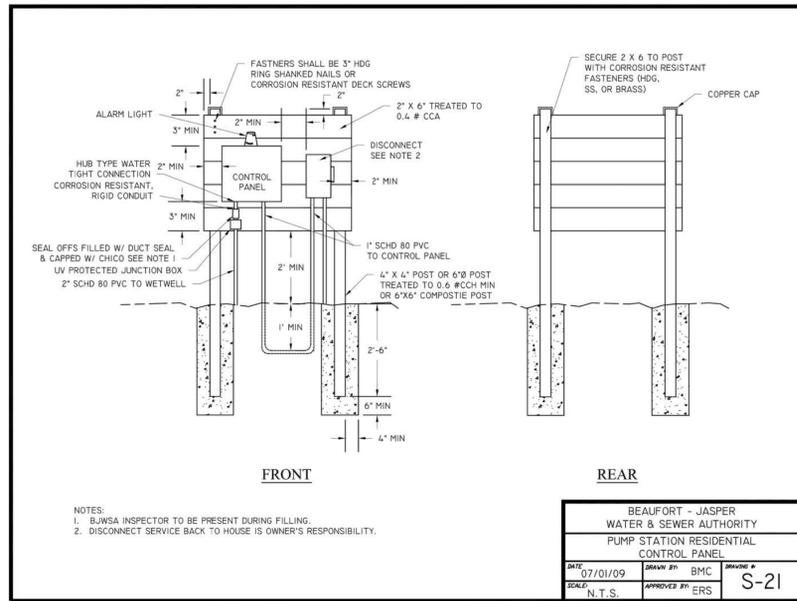
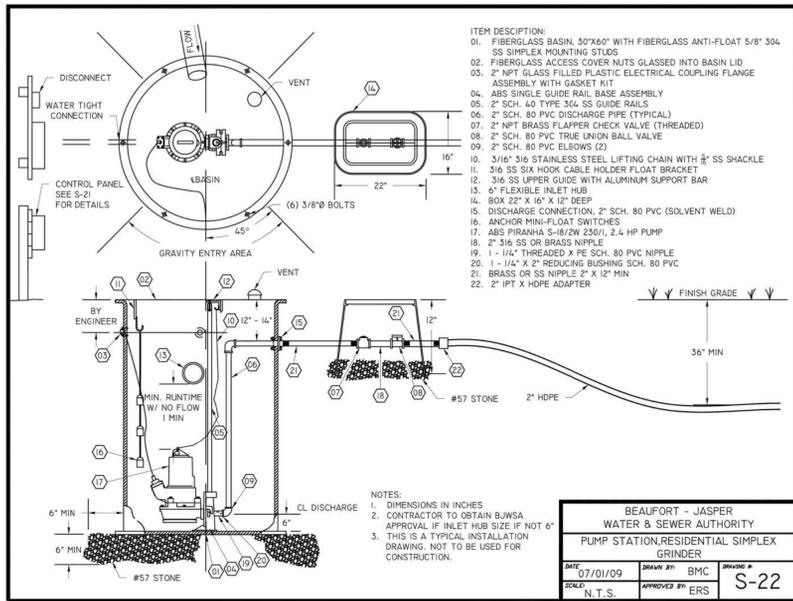
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4	3/10/2020	SCOT RESUBMITTAL
3	10/09/2019	PTC RESUBMITTAL
2	9/18/2019	BJWSA COMMENTS
1	7/19/2019	BJWSA COMMENTS

PRITCHARD STREET SEWER EXTENSION
SEWER DETAILS

DRAWN BY: AJB
 CHECKED BY: MER
 APPROVED BY: AJB
 DATE: 6/5/2019
 SCALE: AS SHOWN
 JOB No. 2018-0436
 DRAWING No. C6.0



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REV #	DATE	DESCRIPTION
6	4/22/2020	ISSUED FOR BID
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4	3/10/2020	SCOTT RESUBMITTAL
3	10/09/2019	PTC RESUBMITTAL
2	9/18/2019	B.J.W.S.A. COMMENTS
1	7/19/2019	B.J.W.S.A. COMMENTS

PRITCHARD STREET SEWER EXTENSION
WATER & SEWER DETAILS

DRAWN BY: AUB
 CHECKED BY: MER
 APPROVED BY: AUB
 DATE: 6/5/2019
 SCALE: AS SHOWN
 JOB No. 2018-0436
 DRAWING No. C6.1



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