

BID SET FOR

POSEY COURT SEWER EXTENSION

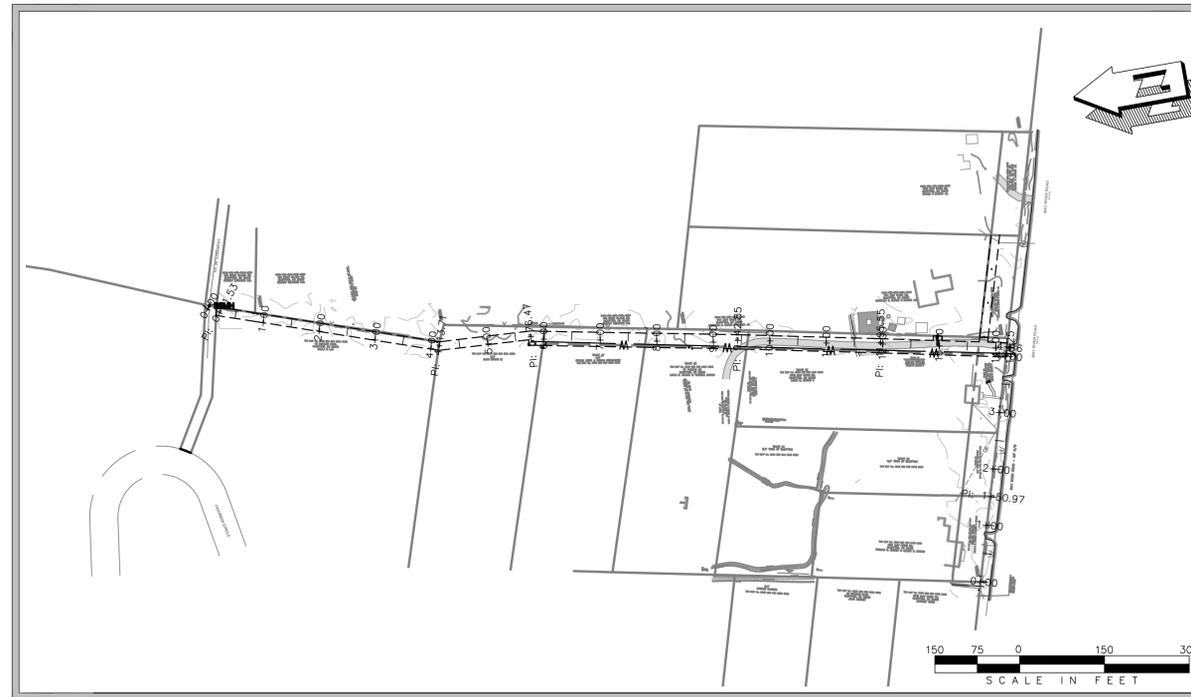
PREPARED FOR

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

11/13/2018
REV: 3/22/2019
REV: 5/30/2019
REV: 7/31/2019
REV: 9/19/2019
REV: 9/24/2019
REV: 9/27/2019
REV: 10/4/2019



PROJECT DATA:

- | | |
|--------------------------------|--|
| 1. ACREAGE OF PROPERTY: | N/A ACRES |
| 2. ACREAGE OF DEVELOPMENT: | 0.97 ACRES |
| 3. OWNER/DEVELOPER: | TOWN OF BLUFFTON
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: | R610-039-000-0168-0000
R610-039-000-018D-0000
R610-039-000-0003-0000
R610-039-000-0501-0000
R610-039-000-0500-0000
R610-039-000-0180-0000
R610-039-000-0499-0000
R610-039-000-019A-0000
R610-039-000-019B-0000
R610-039-000-019C-0000
R610-039-000-0498-0000
R610-039-000-0019-0000 |
| 5. ZONING: | RESIDENTIAL GENERAL |
| 6. STORM WATER OUTFALL: | UNNAMED TRIBUTARY TO MAY RIVER |
| 7. DRAINAGE AREA THIS PROJECT: | 1.52 ACRES |
| 8. IMPERVIOUS AREA: | EXISTING: 0.00 ACRES
PROPOSED: 0.00 ACRES |
| 9. PERVIOUS AREA: | EXISTING: 1.52 ACRES
PROPOSED: 1.52 ACRES |
| 10. RECEIVING STREAM: | UNNAMED TRIBUTARY TO MAY RIVER |
| 11. ULTIMATE STREAM: | MAY RIVER |
| 12. EXISTING LAND USE: | RESIDENTIAL |
| 13. PROPOSED LAND USE: | RESIDENTIAL |

VERTICAL DATUM = NAVD 88

Plan Index

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C4.0	SWPPP, DEMOLITION, CLEARING, & TREE PROTECTION PLAN
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C5.3	SEWER PLAN & PROFILE
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C7.0	UTILITY DETAILS
C7.1	UTILITY DETAILS



LEGEND

	MAJOR CONTOUR (EXISTING)
	MINOR CONTOUR (EXISTING)
	MAJOR CONTOUR (PROPOSED)
	MINOR CONTOUR (PROPOSED)
	EXISTING BOUNDARY
	EXISTING ADJOINER
	PERMANENT EASEMENT
	TEMPORARY EASEMENT
	25' BUFFER
	ENVIRONMENTALLY SENSITIVE AREA
	EDGE OF WATER
	TREE LINE
	EXISTING OVERHEAD UTILITY (UNSPECIFIED)
	EXISTING UNDERGROUND POWER
	PROPOSED UNDERGROUND POWER
	EXISTING OVERHEAD POWER
	PROPOSED OVERHEAD POWER
	EXISTING UNDERGROUND TELEPHONE
	PROPOSED UNDERGROUND TELEPHONE
	EXISTING OVERHEAD TELEPHONE
	PROPOSED OVERHEAD TELEPHONE
	EXISTING UNDERGROUND CABLE
	PROPOSED UNDERGROUND CABLE
	EXISTING FIBEROPTIC
	PROPOSED FIBEROPTIC
	EXISTING GAS
	PROPOSED GAS
	EXISTING WATER
	PROPOSED WATER
	EXISTING SANITARY SEWER
	PROPOSED SANITARY SEWER
	FENCE: EXISTING
	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
	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 - 10/15/2018 BY SURVEYING CONSULTANTS
- 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. 450025 0085 D, 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. C00575
10/19

REV #	DATE	DESCRIPTION
6	10/4/2019	WATER SERVICE REVISIONS
7	9/27/2019	ADD DETAILS
6	9/24/2019	WATER SERVICE REVISIONS FOR BID
5	9/19/2019	SCDOT RESUBMITTAL
4	8/13/2019	SCDOT RESUBMITTAL
3	7/31/2019	PTC SUBMITTAL
2	5/29/2019	BWSA COMMENTS

POSEY COURT SEWER EXTENSION

GENERAL NOTES & LEGEND

DRAWN BY: AJB
CHECKED BY: MER
APPROVED BY: AJB
DATE: 05/30/2019
SCALE: AS SHOWN
JOB No. 2018-0439
DRAWING No. C1.1





LEGEND:

TREE SIZES ARE INCHES IN DIAMETER

SPOT ELEVATION
CONTOUR
CONC. O.
I.O.
BC
CED
CHY
GUM
HB
LA
LO
MAG
MAP
MM
PLM
PEC
PN
PN LOB
RC
RO
WAL
WO
WAX
WLBX
CATV
FMH
FFE
FH
GW
IE
MB
NTS
N/F
R/W
SN
TBM
TEL
UGPT
WM
HDPE
DHP
SD
SS
SSMH
BJWSA

SPOT ELEVATION
CONTOUR
CONCRETE MONUMENT, OLD (FOUND)
IRON REBAR, OLD (FOUND)
BLACK GUM
CEDAR
CHERRY
SWEET GUM
HACKBERRY
LAUREL OAK
LIVE OAK
MAGNOLIA
MAPLE
MINOSA
PALMETTO
PECAN
PINE
LOBLOLLY PINE
RED CEDAR
RED OAK
WALNUT
WATER OAK
WAX MYRTLE
MALBOX
CABLE TELEVISION JUNCTION BOX
FIBER OPTIC MANHOLE
FINISHED FLOOR ELEVATION
FIRE HYDRANT
GUY WIRE
INVERT ELEVATION
MAILBOX
NOT TO SCALE
NOW OR FORMERLY
POWER POLE
RIGHT OF WAY
SIGN
TEMPORARY BENCH MARK
TELEPHONE JUNCTION BOX
UNDERGROUND PROPANE TANK
WATER METER
HIGH DENSITY POLYETHYLENE
FENCE LINE
OVERHEAD POWERLINE
STORM DRAIN LINE
SANITARY SEWER LINE
SANITARY SEWER MANHOLE
BEAUFORT-JASPER WATER & SEWER AUTHORITY



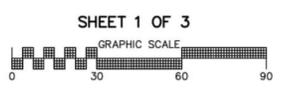
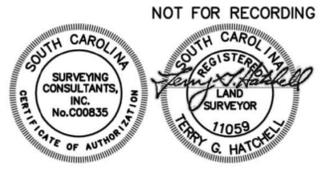
N/F
CAROLYN & OLIVER S. BROWN JR.
R610-039-000-019A-0000

MATCHLINE SHEET 1
MATCHLINE SHEET 2

- NOTES
- 1) I HEREBY STATE THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREIN WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MINIMUM STANDARDS MANUAL FOR THE PRACTICE OF LAND SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS "A" SURVEY AS SPECIFIED THEREIN; ALSO THERE ARE NO OBVIOUS, APPARENT OR VISIBLE ENCROACHMENTS OR PROJECTIONS OTHER THAN SHOWN.
 - 2) AS OF THE DATE OF THIS SURVEY THIS PROPERTY IS LOCATED IN ZONE C, NOT A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY H.U.D. PANEL 0085-D, COMMUNITY NO. 450025, MAP DATED 09/29/1986, BASE ELEVATION N/A (NGVD 29 DATUM). FLOOD HAZARD ZONE AND BASE ELEVATION SHOULD BE VERIFIED BY PROPER TOWN OR COUNTY BUILDING INSPECTIONS DEPARTMENT.
 - 3) BUILDING SETBACKS WHICH EXIST FOR THIS LOT, SHOWN OR NOT SHOWN ON THIS SURVEY, ARE EXPLAINED IN THE COVENANTS, EASEMENTS & SETBACKS SHOWN SHOULD BE VERIFIED THRU THE APPROPRIATE ARCHITECTURAL REVIEW BOARD OR BUILDING AGENCY.
 - 4) SOUTH CAROLINA 811 CALL BEFORE YOU DIG UTILITY SERVICES WERE ENGAGED BY SURVEYING CONSULTANTS AS A PART OF THIS SURVEY. ALL UTILITY COMPANIES CONTACT REPORTED NO CONFLICT WITH THE EXCEPTION OF BJWSA. THE BJWSA SANITARY SEWER LINE IS SHOWN ON SHEET 3 FROM FIELD OBSERVATIONS. THERE MAY BE ADDITIONAL UNDERGROUND UTILITIES IN PROJECT AREA THAT WERE NOT MARKED BY OTHERS. SURVEYING CONSULTANTS DOES NOT CERTIFY TO THE EXACT LOCATION OF ANY UNDERGROUND UTILITY.
 - 5) NO SUBSURFACE OR ENVIRONMENTAL INVESTIGATION OR WETLAND SURVEYS WERE PERFORMED FOR THIS PLAT. THEREFORE THIS PLAT DOES NOT REFLECT THE EXISTENCE OR NONEXISTENCE OF WETLANDS, CONTAMINATION, OR OTHER CONDITIONS WHICH MAY AFFECT THIS PROPERTY.
 - 6) SURVEYING CONSULTANTS CERTIFIES TO THE TOPOGRAPHIC AND ASBUILT INFORMATION PROVIDED HEREON AS OF THE DATE OF SURVEY. IF THIS DOCUMENT IS TO BE PROVIDED AS A BASE MAP FOR OTHERS, INFORMATION ADDED AFTER THE DATE OF THIS SURVEY IS NOT THE RESPONSIBILITY OF SURVEYING CONSULTANTS.
 - 7) SURVEYING CONSULTANTS DOES NOT PROVIDE ARBORIST SERVICES. TREE IDENTIFICATIONS ARE MADE AS BEST OBSERVATION/KNOWLEDGE OF A NON-ARBORIST. A CERTIFIED ARBORIST SHOULD BE CONSULTED TO VERIFY TREE IDENTIFICATION, IF IDENTIFICATION OF TREES IS CRITICAL TO DEVELOPMENT.
 - 8) THIS SURVEY WAS CONDUCTED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE, THEREFORE THERE MAY BE OTHER EASEMENTS, RIGHT-OF-WAY, SETBACK LINES, AGREEMENTS, RESERVATIONS, RESTRICTIONS, OR OTHER SIMILAR MATTERS OF PUBLIC RECORD, NOT DEPICTED ON THIS SURVEY.
 - 9) BEARINGS SHOWN ARE ORIENTED TO S.C. GRID COORDINATES BASED ON GPS. VERTICAL AND COORDINATE DATUM IS BASED ON GPS STATIC OBSERVATION WITH NGS-OPUS POST PROCESSING.
 - 10) THE PROPERTY LINES SHOWN ARE BASED ON MONUMENTATION FOUND AND HAS NOT BEEN RECONCILED WITH A TITLE ABSTRACT. THIS PLAT IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY FOR PROPERTY TRANSFER AND SHOULD NOT BE RECORDED FOR SUCH PURPOSES.

- REFERENCE PLATS:
- 1) SURVEY FOR LEWIS BROWN, TRACT #1 THRU #5, BLUFFTON TOWNSHIP, DATED: 12/09/1995, LAST REVISED: 11/22/1996, BY: HAROLD R. JOHNSON, S.C.R.L.S. NO. 2077, RECORDED: P.B. 73, PG. 26, DATE: 11/28/2000.
 - 2) BOUNDARY, TREE & TOPOGRAPHIC SURVEY OF TRACT #4, #1095 MAY RIVER ROAD, TOWN OF BLUFFTON, DATED: 05/25/2018, BY: TERRY G. HATCHELL, S.C.R.L.S. NO. 11059, SURVEYING CONSULTANTS
 - 3) SURVEY FOR HEIR OF REUBEN GADSEN, BLUFFTON TOWNSHIP, DATED: 5/14/80; REVISED: 11/6/85, BY: ROO C. SPANN, S.C.R.L.S. NO. 6273, RECORDED: P.B. 33, PG. 204, 4/24/86.
 - 4) SUBDIVISION PLAT OF RIVA RIDGE, PHASE 1, LOTS 1-4, 31, 32 & 34, HAIGLER BOULEVARD, A SECTION OF GADSEN PROPERTY, DATED: 6/7/2003, BY: TERRY G. HATCHELL, S.C.R.L.S. NO. 11059, RECORDED: P.B. 93, PG. 114, 6/10/2003.
 - 5) PLAT PREPARED FOR OLIVER S. BROWN, BLUFFTON TOWNSHIP, BEAUFORT COUNTY, S.C., DATED: 12/15/1982, BY: BENJAMIN WILSON, S.C.R.L.S. NO. 5424, RECORDED: P.B. 33, PG. 227.
 - 6) ALTA/ACSM LAND TITLE SURVEY OF PHASE ONE, VISTA VIEW, A PORTION OF THE GADSEN PROPERTY, BLUFFTON TOWNSHIP, BEAUFORT COUNTY, S.C., DATED: 11/27/96, BY: TERRY G. HATCHELL, S.C.R.L.S. NO. 11059, RECORDED: P.B. 58, PG. 178, 12/27/96.

PREPARED FOR: THE TOWN OF BLUFFTON
ADDRESS: POSEY COURT & MAY RIVER ROAD, BLUFFTON, SC 29910



PARTIAL ASBUILT,
TREE & TOPOGRAPHIC
ACROSS TAX PARCELS

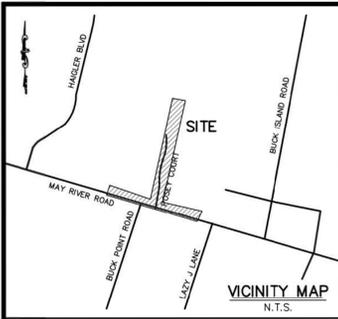
R610-039-000-018D, 0498, 0019, 019A, 019C,
0499, 0500, 0501, 018D & 0300-0000,

POSEY COURT & MAY RIVER ROAD
TOWN OF BLUFFTON, BEAUFORT COUNTY, SOUTH CAROLINA

SCALE: 1" = 30' DATE: 10/15/2018 JOB NO: SC180125

SG SURVEYING CONSULTANTS
17 Sherington Drive, Suite C, Bluffton, SC 29910
SC Telephone: (843) 815-3304 FAX: (843) 815-3305
GA Telephone: (912) 826-2775
www.SurveyingConsultants.com
Email: SC@SurveyingConsultants.com

EXISTING CONDITIONS



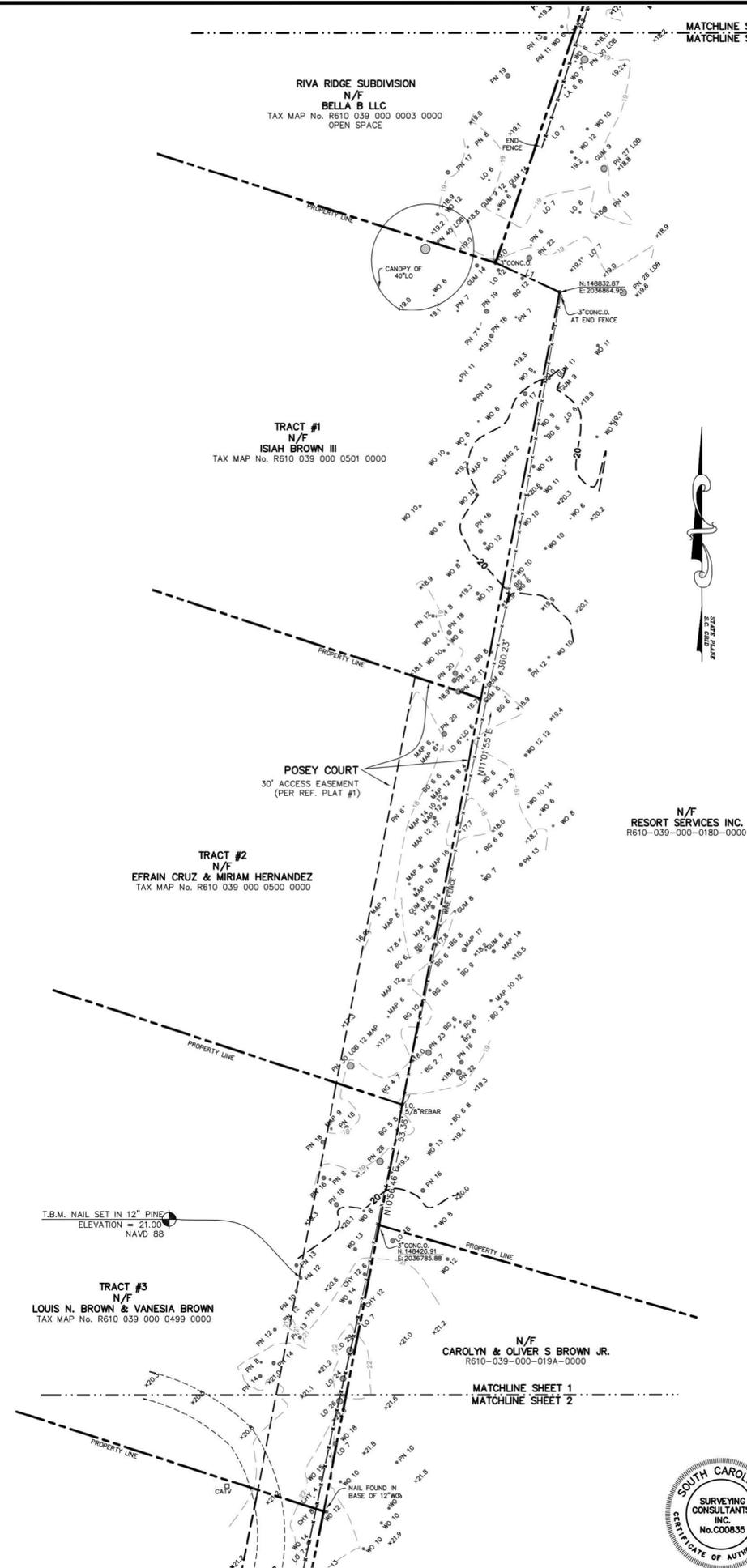
LEGEND:

TREE SIZES ARE INCHES IN DIAMETER

SPOT ELEVATION	CONTOUR
CONC. O.	CONCRETE MONUMENT, OLD (FOUND)
I.O.	IRON REBAR, OLD (FOUND)
BG	BLACK GUM
CD	CEDAR
CHY	CHERRY
GUM	SWEET GUM
HB	HACKBERRY
LA	LAUREL OAK
LO	LIVE OAK
MAG	MAGNOLIA
MAP	MAPLE
MIM	MIMOSA
PLM	PALMETTO
PEC	PECAN
PN	PINE
PN LOB	LOBLOLLY PINE
RC	RED CEDAR
RO	RED OAK
WAL	WALNUT
WO	WATER OAK
WAX	WAX MYRTLE
MILBX	MAILBOX
CATV	CABLE TELEVISION JUNCTION BOX
FHM	FIBER OPTIC MANHOLE
FTE	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
GW	GUY WIRE
IE	INVERT ELEVATION
MB	MAILBOX
NTS	NOT TO SCALE
N/F	NOW OR FORMERLY
PP	POWER POLE
R/W	RIGHT OF WAY
SN	SIGN
TBM	TEMPORARY BENCH MARK
TEL	TELEPHONE JUNCTION BOX
UGPT	UNDERGROUND PROPANE TANK
WM	WATER METER
HDPE	HIGH DENSITY POLYETHYLENE
---	FENCE LINE
---	OVERHEAD POWERLINE
---	STORM DRAIN LINE
---	SANITARY SEWER LINE
---	SANITARY SEWER MANHOLE
---	BEAUFORT-JASPER WATER & SEWER AUTHORITY

- NOTES
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 - AS OF THE DATE OF THIS SURVEY THIS PROPERTY IS LOCATED IN ZONE G, NOT A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY H.L.D. PANEL 0088-D, COMMUNITY NO. 550225, MAP DATED 09/29/1986, BASE ELEVATION N/A (NGVD 29 DATUM). FLOOD HAZARD ZONE AND BASE ELEVATION SHOULD BE VERIFIED BY PROPER TOWN OR COUNTY BUILDING INSPECTIONS DEPARTMENT.
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 - SOUTH CAROLINA 811 CALL BEFORE YOU DIG UTILITY SERVICES WERE ENGAGED BY SURVEYING CONSULTANTS AS A PART OF THIS SURVEY. ALL UTILITY COMPANIES CONTACT REPORTED NO CONFLICT WITH THE EXCEPTION OF BWSA. THE BWSA SANITARY SEWER LINE IS SHOWN ON SHEET 3 FROM FIELD OBSERVATIONS. THERE MAY BE ADDITIONAL UNDERGROUND UTILITIES IN PROJECT AREA THAT WERE NOT MARKED BY OTHERS. SURVEYING CONSULTANTS DOES NOT CERTIFY TO THE EXACT LOCATION OF ANY UNDERGROUND UTILITY.
 - NO SUBSURFACE OR ENVIRONMENTAL INVESTIGATION OR WETLAND SURVEYS WERE PERFORMED FOR THIS PLAT. THEREFORE THIS PLAT DOES NOT REFLECT THE EXISTENCE OR NONEXISTENCE OF WETLANDS, CONTAMINATION, OR OTHER CONDITIONS WHICH MAY AFFECT THIS PROPERTY.
 - SURVEYING CONSULTANTS CERTIFIES TO THE TOPOGRAPHIC AND ASBUILT INFORMATION PROVIDED HEREON AS OF THE DATE OF SURVEY. IF THIS DOCUMENT IS TO BE PROVIDED AS A BASE MAP FOR OTHERS, INFORMATION ADDED AFTER THE DATE OF THIS SURVEY IS NOT THE RESPONSIBILITY OF SURVEYING CONSULTANTS.
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 - THIS SURVEY WAS CONDUCTED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE, THEREFORE THERE MAY BE OTHER EASEMENTS, RIGHT-OF-WAY, SETBACK LINES, AGREEMENTS, RESERVATIONS, RESTRICTIONS, OR OTHER SIMILAR MATTERS OF PUBLIC RECORD, NOT DEPICTED ON THIS SURVEY.
 - BEARINGS SHOWN ARE ORIENTED TO S.C. GRID COORDINATES BASED ON GPS. VERTICAL AND COORDINATE DATUM IS BASED ON GPS STATIC OBSERVATION WITH NGS-OPUS POST PROCESSING.
 - THE PROPERTY LINES SHOWN ARE BASED ON MONUMENTATION FOUND AND HAS NOT BEEN RECONCILED WITH A TITLE ABSTRACT. THIS PLAT IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY FOR PROPERTY TRANSFER AND SHOULD NOT BE RECORDED FOR SUCH PURPOSES.

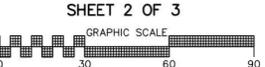
PREPARED FOR: THE TOWN OF BLUFFTON
ADDRESS: POSEY COURT & MAY RIVER ROAD, BLUFFTON, SC 29910



MATCHLINE SHEET 2
MATCHLINE SHEET 3

N/F
RESORT SERVICES INC.
R610-039-000-018D-0000

NOT FOR RECORDING

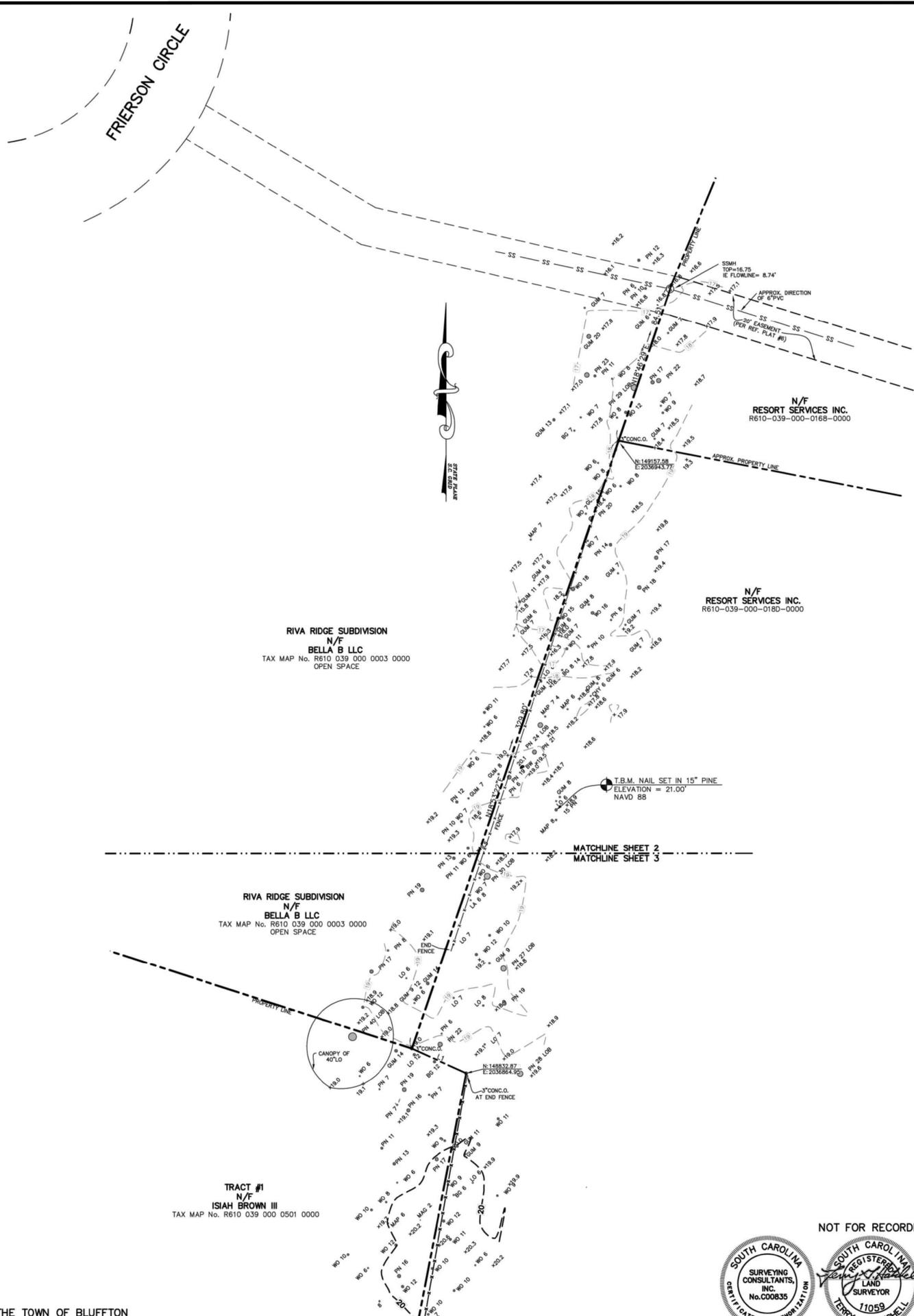
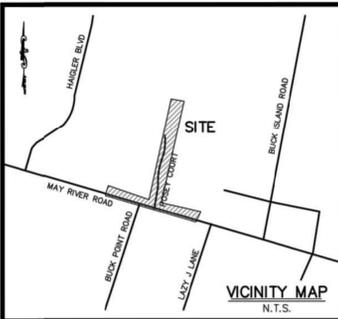


- REFERENCE PLATS:
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 - BOUNDARY, TREE & TOPOGRAPHIC SURVEY OF TRACT #4, #1095 MAY RIVER ROAD, TOWN OF BLUFFTON, DATED: 05/25/2018, BY: TERRY G. HATCHELL, S.C.R.L.S. NO. 11059, SURVEYING CONSULTANTS
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PARTIAL ASBUILT,
TREE & TOPOGRAPHIC
ACROSS TAX PARCELS
R610-039-000-018D, 0498, 0019, 019A, 019C,
0499, 0500, 0501, 018D & 0300-0000,
POSEY COURT & MAY RIVER ROAD
TOWN OF BLUFFTON, BEAUFORT COUNTY, SOUTH CAROLINA
SCALE: 1" = 30' DATE: 10/15/2018 JOB NO: SC180125

SG SURVEYING CONSULTANTS
17 Sherrington Drive, Suite C, Bluffton, SC 29910
SC Telephone: (843) 815-3304 FAX: (843) 815-3305
GA Telephone: (912) 826-2775
www.SurveyingConsultants.com
Email: SC@SurveyingConsultants.com
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EXISTING CONDITIONS



LEGEND:

TREE SIZES ARE INCHES IN DIAMETER

CONC. O.	CONCRETE MONUMENT, OLD (FOUND)
I.O.	IRON REBAR, OLD (FOUND)
BO	BLACK OUM
CD	CEDAR
CHY	CHERRY
GUM	SWEET GUM
HBI	HACKBERRY
LA	LAUREL OAK
LO	LIVE OAK
MAG	MAGNOLIA
MAP	MAPLE
MIM	MIMOSA
PLM	PALMETTO
PEC	PECAN
PN	PINE
PN LOB	LOBLOLLY PINE
RO	RED CEDAR
RO	RED OAK
WAL	WALNUT
WAT	WATER OAK
WAX	WAX MYRTLE
MLBX	MAILBOX
CATV	CABLE TELEVISION JUNCTION BOX
FMH	FIBER OPTIC MANHOLE
FFE	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
GW	GUY WIRE
IE	INVERT ELEVATION
MB	MAILBOX
NTS	NOT TO SCALE
N/F	NOW OR FORMERLY
PP	POWER POLE
R/W	RIGHT OF WAY
SN	SIGN
TBM	TEMPORARY BENCH MARK
TEL	TELEPHONE JUNCTION BOX
UGPT	UNDERGROUND PROPANE TANK
WM	WATER METER
HDPE	HIGH DENSITY POLYETHYLENE
-X-	FENCE LINE
-OP-	OVERHEAD POWERLINE
-SD-	STORM DRAIN LINE
-SS-	SANITARY SEWER LINE
SSMH	SANITARY SEWER MANHOLE
BWSA	BEAUFORT-JASPER WATER & SEWER AUTHORITY

- NOTES
- I HEREBY STATE THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREIN WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MINIMUM STANDARDS MANUAL FOR THE PRACTICE OF LAND SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS "A" SURVEY AS SPECIFIED THEREIN; ALSO THERE ARE NO OBVIOUS, APPARENT OR VISIBLE ENCROACHMENTS OR PROJECTIONS OTHER THAN SHOWN.
 - AS OF THE DATE OF THIS SURVEY THIS PROPERTY IS LOCATED IN ZONE C, NOT A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY H.U.D. PANEL 0985-D, COMMUNITY NO. 450225 MAP DATED 09/29/1986, BASE ELEVATION N/A (NGVD 29 DATUM). FLOOD HAZARD ZONE AND BASE ELEVATION SHOULD BE VERIFIED BY PROPER TOWN OR COUNTY BUILDING INSPECTIONS DEPARTMENT.
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RIVA RIDGE SUBDIVISION
N/F
BELLA B LLC
TAX MAP No. R610 039 000 0003 0000
OPEN SPACE

N/F
RESORT SERVICES INC.
R610-039-000-0168-0000

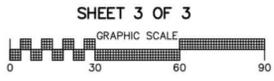
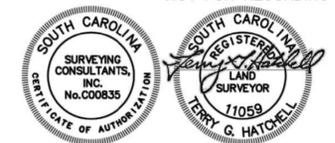
N/F
RESORT SERVICES INC.
R610-039-000-0180-0000

RIVA RIDGE SUBDIVISION
N/F
BELLA B LLC
TAX MAP No. R610 039 000 0003 0000
OPEN SPACE

TRACT #1
N/F
ISIAH BROWN III
TAX MAP No. R610 039 000 0501 0000

PREPARED FOR: THE TOWN OF BLUFFTON
ADDRESS: POSEY COURT & MAY RIVER ROAD, BLUFFTON, SC 29910

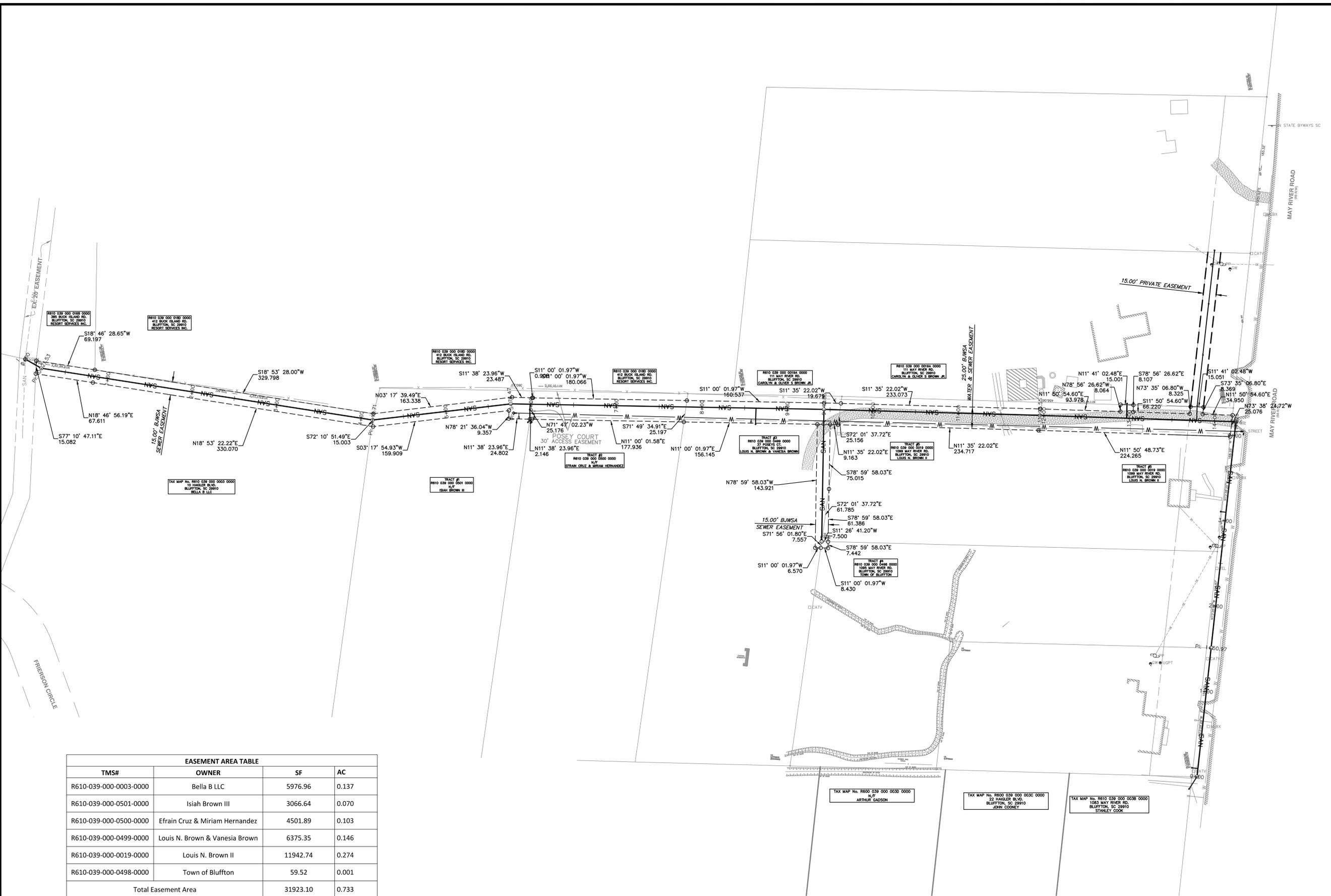
PARTIAL ASBLUIT,
TREE & TOPOGRAPHIC
ACROSS TAX PARCELS
R610-039-000-0180, 0498, 0019, 019A, 019C,
0499, 0500, 0501, 0180 & 0300-0000,
POSEY COURT & MAY RIVER ROAD
TOWN OF BLUFFTON, BEAUFORT COUNTY, SOUTH CAROLINA
SCALE: 1" = 30' DATE: 10/15/2018 JOB NO: SC180125



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EXISTING CONDITIONS

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EASEMENT AREA TABLE			
TMS#	OWNER	SF	AC
R610-039-000-0003-0000	Bella B LLC	5976.96	0.137
R610-039-000-0501-0000	Isiah Brown III	3066.64	0.070
R610-039-000-0500-0000	Efrain Cruz & Miriam Hernandez	4501.89	0.103
R610-039-000-0499-0000	Louis N. Brown & Vanesia Brown	6375.35	0.146
R610-039-000-0019-0000	Louis N. Brown II	11942.74	0.274
R610-039-000-0498-0000	Town of Bluffton	59.52	0.001
Total Easement Area		31923.10	0.733

NOTE: PROPERTY LINES SHOWN HEREIN HAVE BEEN DERIVED BY PLAT INFORMATION AND GIS DATA OBTAINED FROM THE TOWN OF BLUFFTON.



PLAN
HORIZONTAL SCALE 1"=50'



POSEY COURT SEWER
EXTENSION

PRELIMINARY EASEMENT PLAT

DRAWN BY:	AJB
CHECKED BY:	MER
APPROVED BY:	AJB
DATE:	05/30/2019
SCALE:	AS SHOWN
JOB No.	2018-0439
DRAWING No.	

C3.0

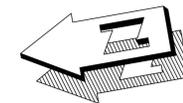


CRANSTON
ENGINEERING
ENGINEERS - PLANNERS - SURVEYORS
14 Westbury Park Way, Suite 202, Bluffton, SC 29910
Telephone 843-815-3191
mail@CranstonEngineering.com

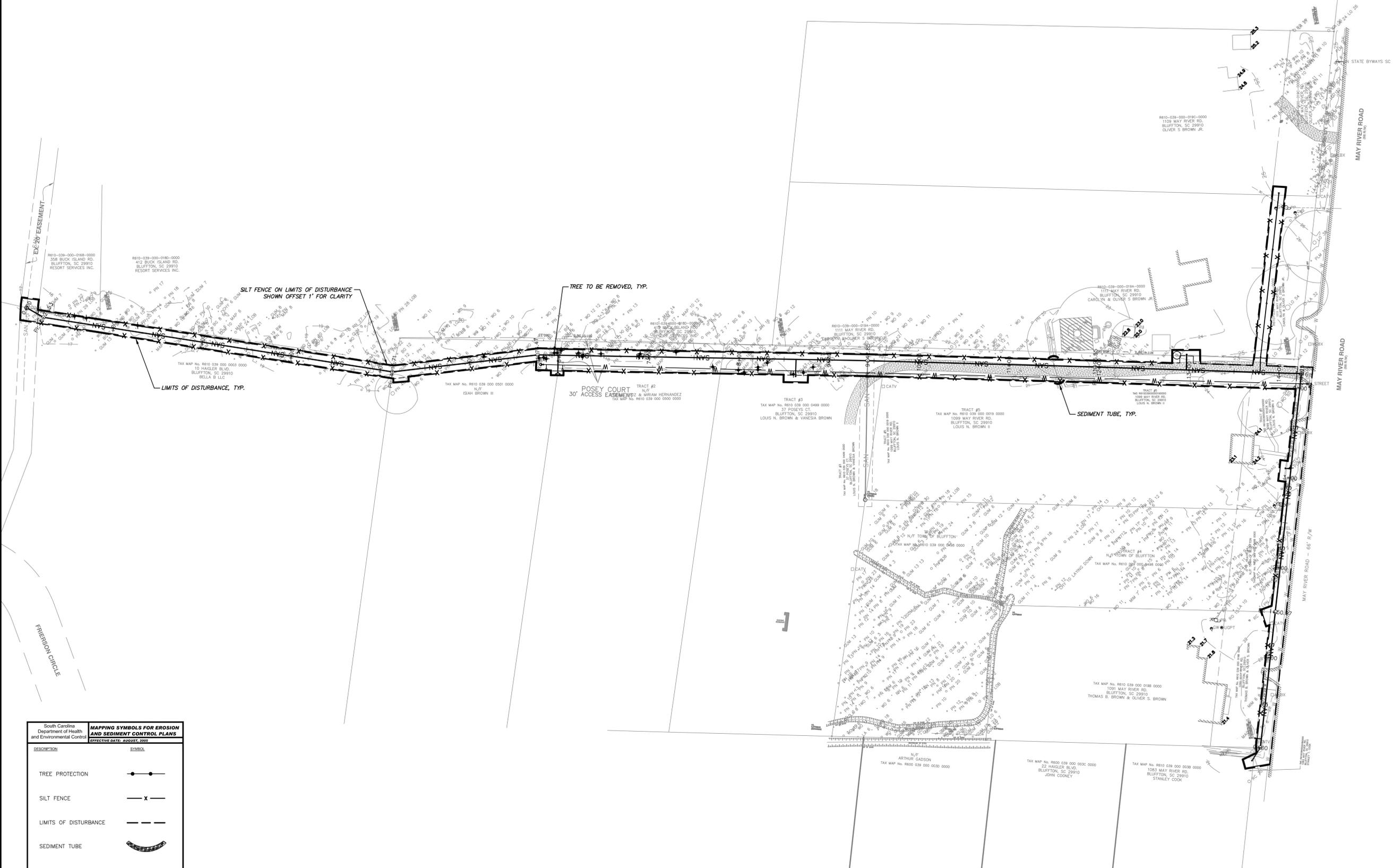
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South Carolina Department of Health and Environmental Control	
MAPPING SYMBOLS FOR EROSION AND SEDIMENT CONTROL PLANS	
EFFECTIVE DATE: AUGUST 2005	
DESCRIPTION	SYMBOL
TREE PROTECTION	●—●
SILT FENCE	—X—
LIMITS OF DISTURBANCE	--- ---
SEDIMENT TUBE	⌒

DISTURBED AREA = 0.97 AC



PLAN
HORIZONTAL SCALE 1"=50'



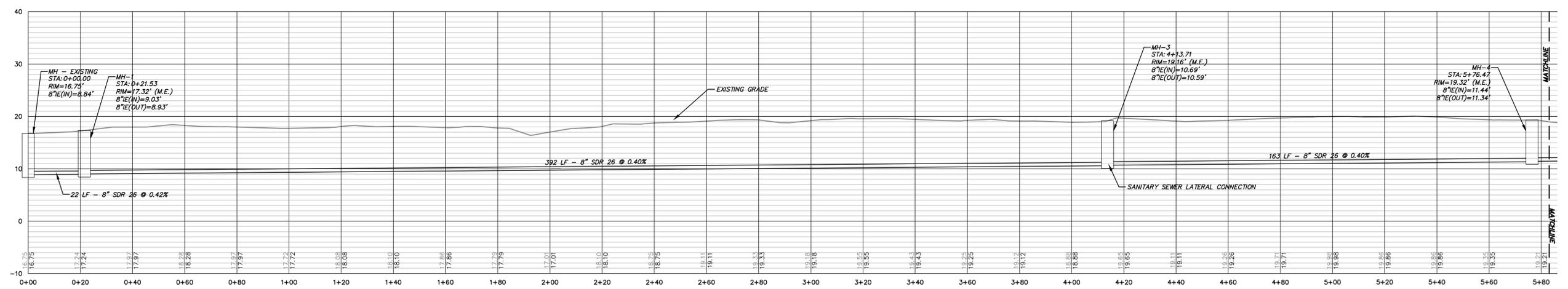
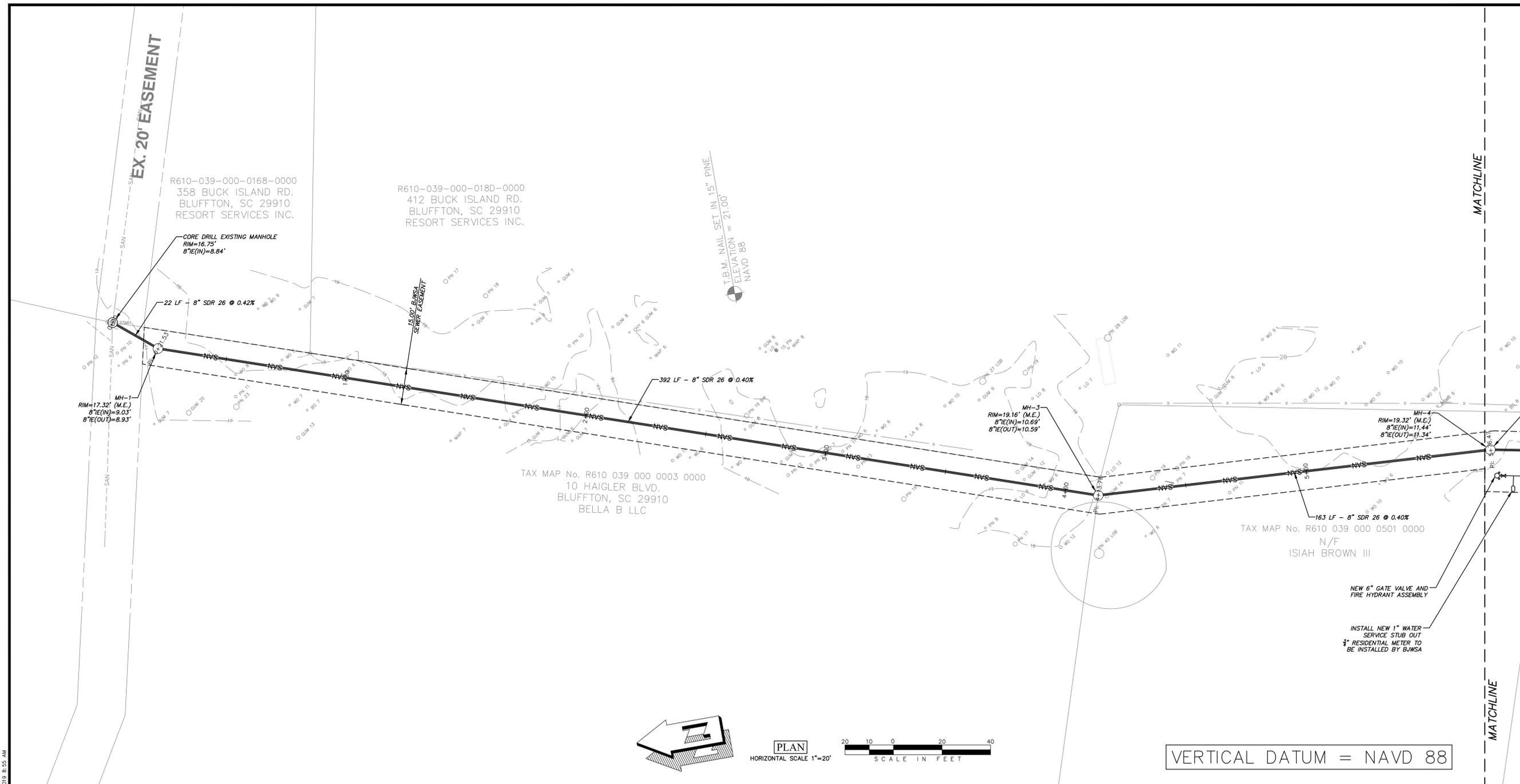
**POSEY COURT SEWER
EXTENSION
SWPP, DEMOLITION, CLEARING,
& TREE PROTECTION PLAN**

DRAWN BY:	AJB
CHECKED BY:	MER
APPROVED BY:	AJB
DATE:	05/30/2019
SCALE:	AS SHOWN
JOB No.	2018-0439
DRAWING No.	C4.0

REV #	DATE	DESCRIPTION
8	10/4/2019	WATER SERVICE REVISIONS
7	9/27/2019	ADD DETAILS
6	9/24/2019	WATER SERVICE REVISIONS FOR BID
5	9/19/2019	SCOTT RESUBMITTAL
4	8/13/2019	SCOTT RESUBMITTAL
3	7/31/2019	PTC SUBMITTAL
2	5/29/2019	BMSA COMMENTS



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mail@CranstonEngineering.com

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

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
ANDREW JOHN BAJOCKY
12/1/19

REV #	DATE	DESCRIPTION
8	10/4/2019	WATER SERVICE REVISIONS
7	8/27/2019	ADD DETAILS
6	9/24/2019	WATER SERVICE REVISIONS FOR BID
5	9/19/2019	SCOTT RESUBMITTAL
4	8/13/2019	SCOTT RESUBMITTAL
3	7/31/2019	PTC SUBMITTAL
2	5/29/2019	BWSA COMMENTS

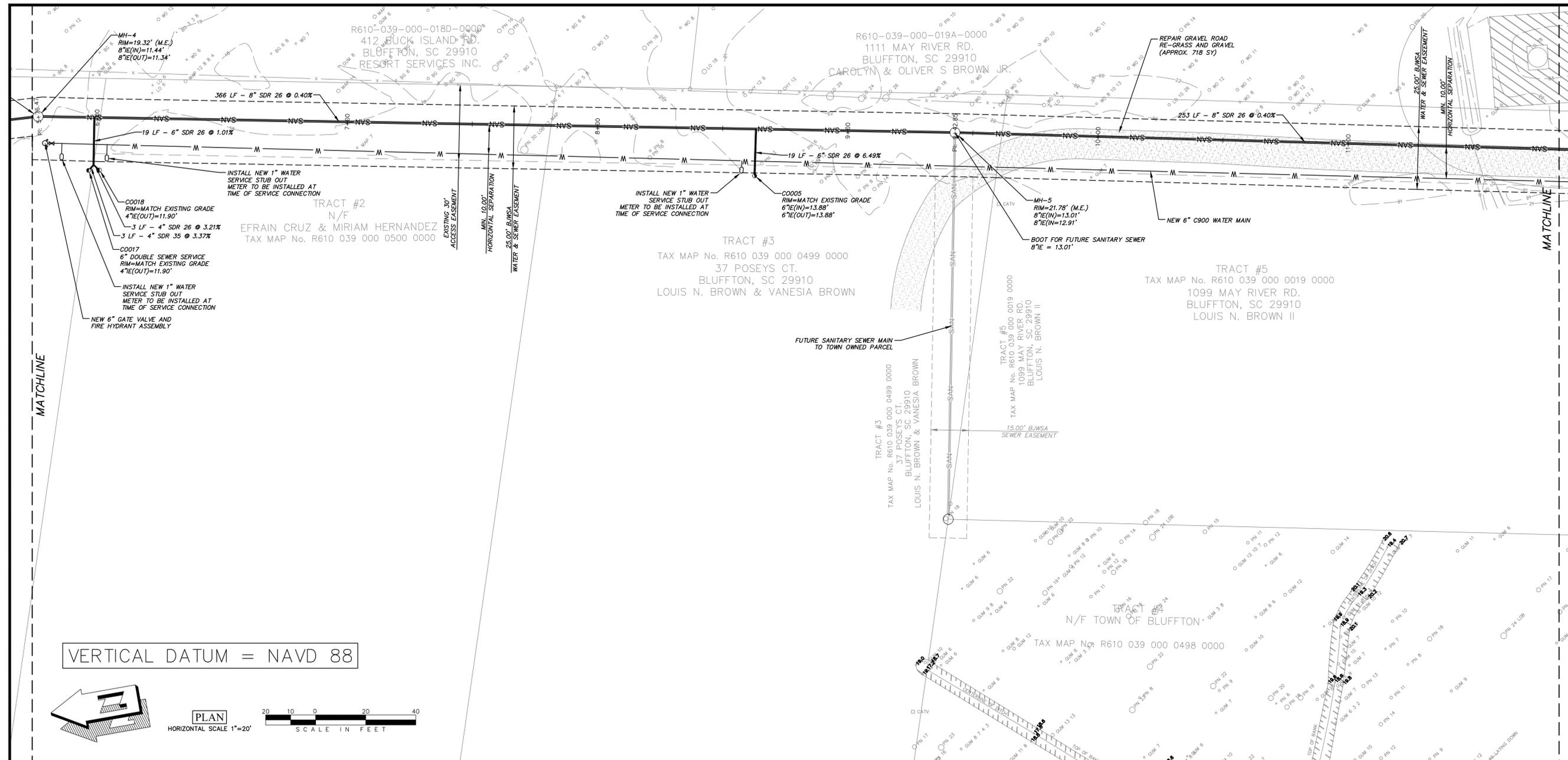
POSEY COURT SEWER EXTENSION

SEWER PLAN & PROFILE

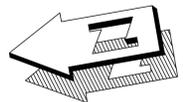
DRAWN BY: AJB
CHECKED BY: MER
APPROVED BY: AJB
DATE: 05/30/2019
SCALE: AS SHOWN
JOB No. 2018-0439
DRAWING No. C5.0



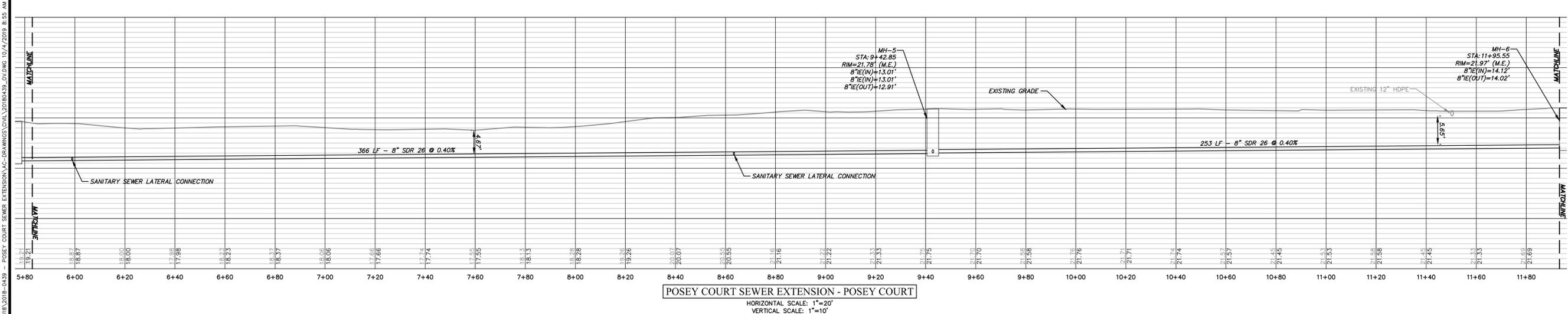
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VERTICAL DATUM = NAVD 88



PLAN
HORIZONTAL SCALE 1"=20'
SCALE IN FEET



POSEY COURT SEWER EXTENSION - POSEY COURT
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=10'

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Telephone 843-815-3191
mail@CranstonEngineering.com

SOUTH CAROLINA
Professional Engineer
Andrew John Baiocky
No. 33855
10/1/19

REV #	DATE	DESCRIPTION
1	5/20/2019	BWSA COMMENTS
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3	8/13/2019	SCOTT RESUBMITTAL
4	9/19/2019	SCOTT RESUBMITTAL
5	9/24/2019	WATER SERVICE REVISIONS FOR BID
6	9/27/2019	ADD DETAILS
7	10/4/2019	WATER SERVICE REVISIONS

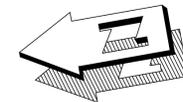
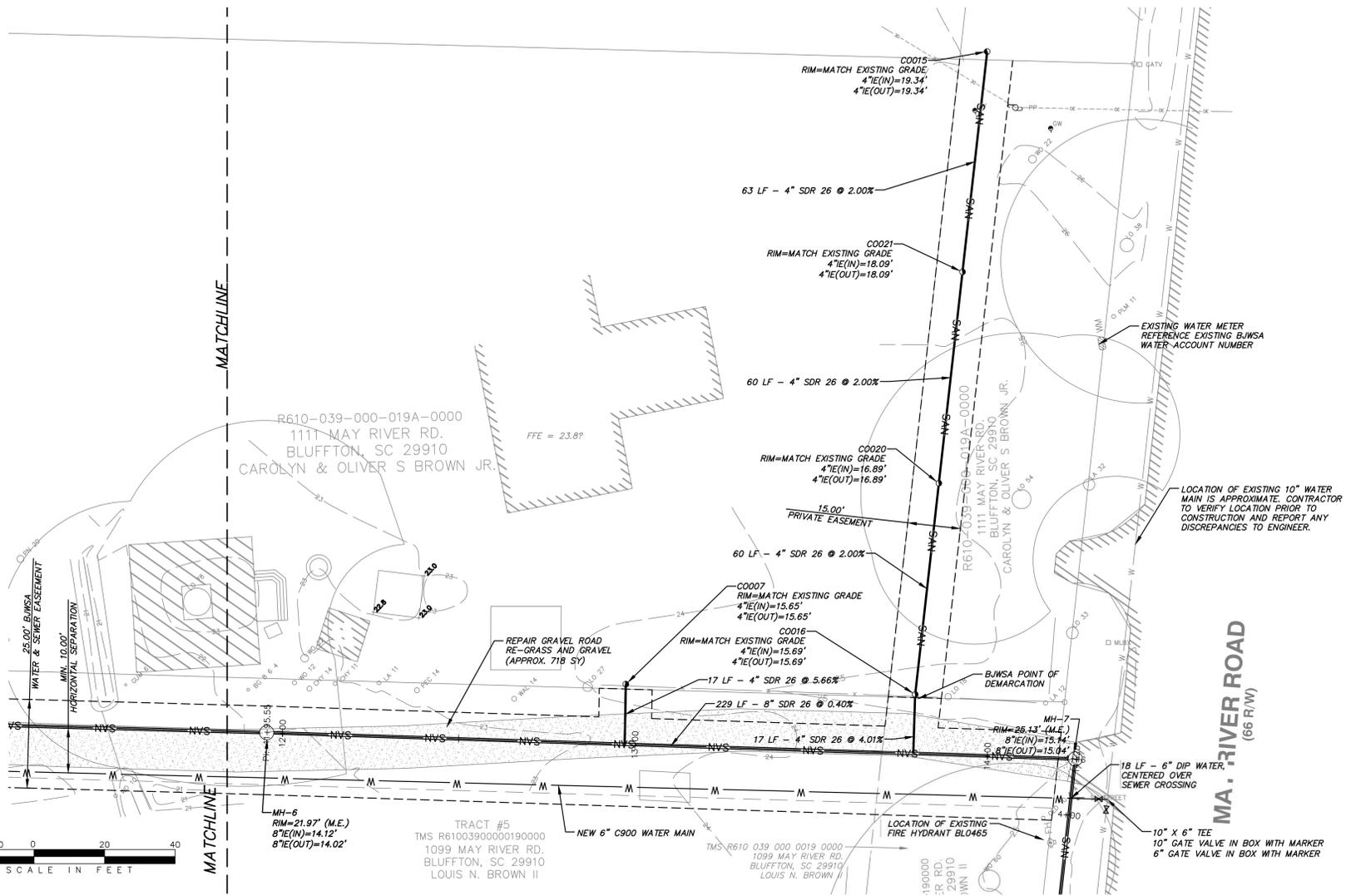
POSEY COURT SEWER EXTENSION
SEWER PLAN & PROFILE

DRAWN BY: AJB
CHECKED BY: MER
APPROVED BY: AJB
DATE: 05/30/2019
SCALE: AS SHOWN
JOB No. 2018-0439
DRAWING No.

C5.1

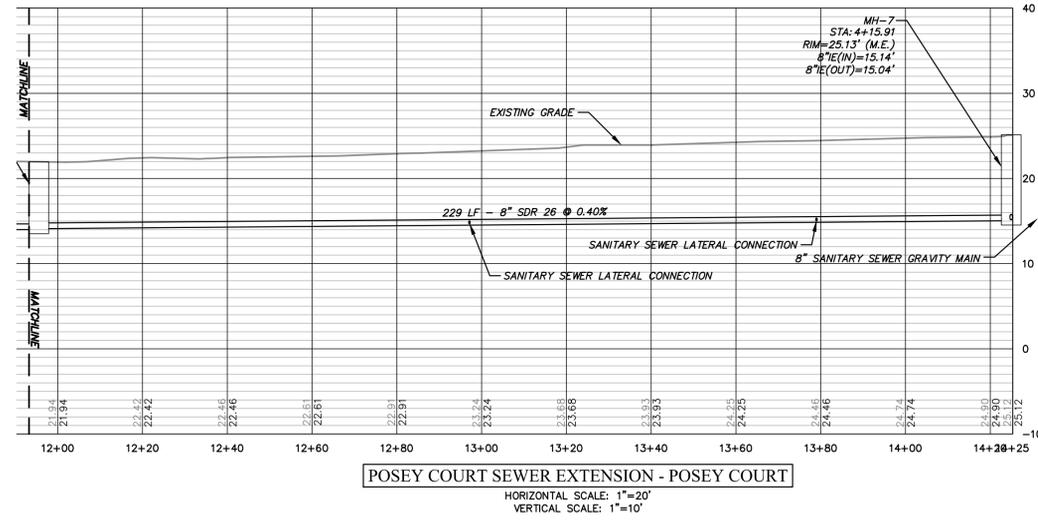


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PLAN
HORIZONTAL SCALE 1"=20'
SCALE IN FEET

VERTICAL DATUM = NAVD 88



POSEY COURT SEWER EXTENSION - POSEY COURT
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=10'



REV #	DATE	DESCRIPTION
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2	5/29/2019	BJWSA COMMENTS

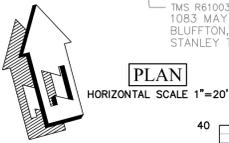
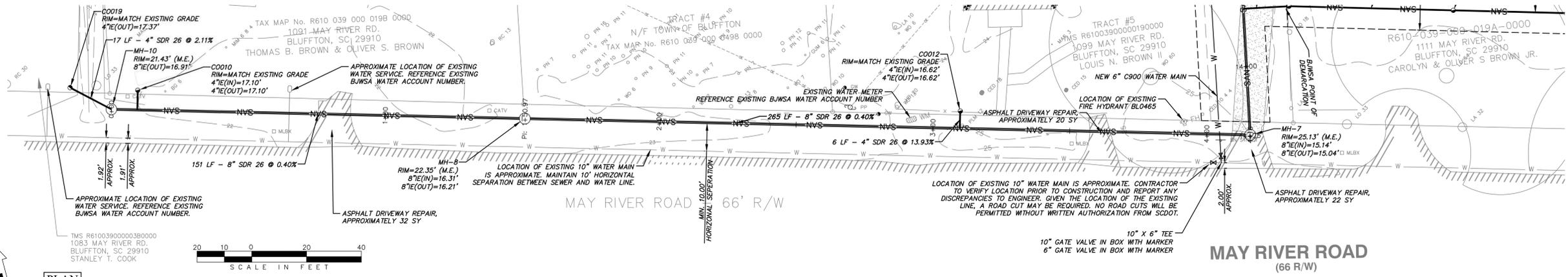
POSEY COURT SEWER
EXTENSION

SEWER PLAN & PROFILE

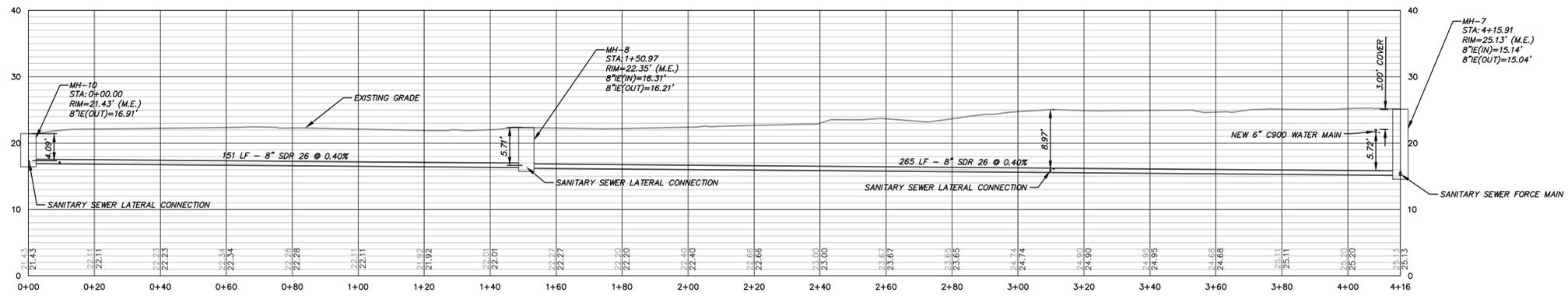
DRAWN BY:	AJB
CHECKED BY:	MER
APPROVED BY:	AJB
DATE:	05/30/2019
SCALE:	AS SHOWN
JOB No.	2018-0439
DRAWING No.	



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PLAN
HORIZONTAL SCALE 1"=20'



POSEY COURT SEWER EXTENSION - MAY RIVER ROAD
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=10'

VERTICAL DATUM = NAVD 88

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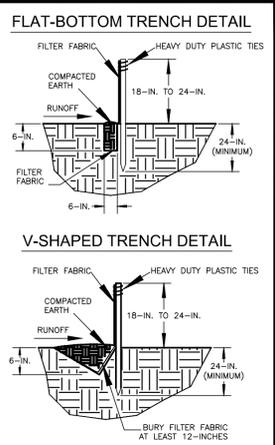
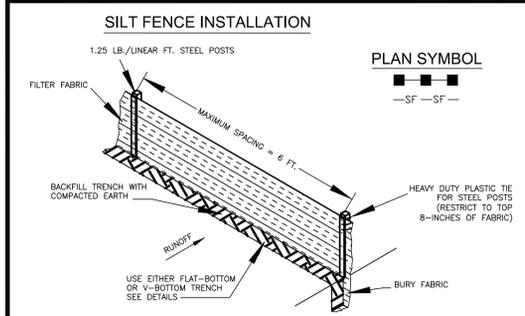
REV #	DATE	DESCRIPTION
8	10/4/2019	WATER SERVICE REVISIONS
7	9/27/2019	ADD DETAILS
6	9/24/2019	WATER SERVICE REVISIONS FOR BID
5	9/19/2019	SCDOT RESUBMITTAL
4	8/13/2019	SCDOT RESUBMITTAL
3	7/31/2019	PTC SUBMITTAL
2	5/29/2019	BWSA COMMENTS

POSEY COURT SEWER EXTENSION
SEWER PLAN & PROFILE

DRAWN BY:	AJB
CHECKED BY:	MER
APPROVED BY:	AJB
DATE:	05/30/2019
SCALE:	AS SHOWN
JOB No.	2018-0439
DRAWING No.	

C5.3





SILT FENCE - GENERAL NOTES

- Do not place silt fence across channels or in other areas subject to concentrated flows. Silt fence should be used as a velocity control BMP. Concentrated flows are any flows greater than 0.5 cfs.
- Maximum sheet or overlaid 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.

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SILT FENCE
 STANDARD DRAWING NO. SC-03 Page 1 of 2
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 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 - INSPECTION & MAINTENANCE

- The key to functional silt fence is weekly inspections, routine maintenance, and regular sediment removal.
- Regular inspections of silt fence 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 along the silt fence 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 silt fence.
- Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
- Check for areas where stormwater runoff has eroded a channel beneath the silt fence, or where the fence has sagged or collapsed due to runoff overtopping the silt fence. Install checks/tie-backs and/or reinstall silt fence, as necessary.
- Check for tears within the silt fence, areas where silt fence has begun to decompose, and for any other circumstance that may render the silt fence ineffective. Removed damaged silt fence and reinstall new silt fence immediately.
- Silt fence should be removed within 30 days after final stabilization is achieved and once it is removed, the resulting disturbed area shall be permanently stabilized.

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.

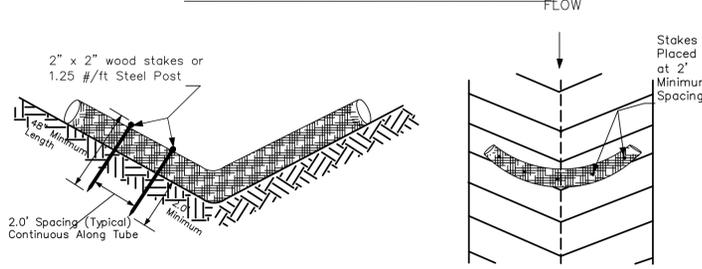
South Carolina Department of Health and Environmental Control
SILT FENCE
 STANDARD DRAWING NO. SC-03 PAGE 2 of 2
 GENERAL NOTES
 FEBRUARY 2014 DATE

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 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.

SEDIMENT TUBE INSTALLATION



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
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 NOT TO SCALE
 FEBRUARY 2014 DATE

SEDIMENT TUBES - GENERAL NOTES

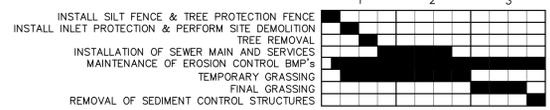
- Sediment tubes may be installed along contours, in drainage conveyance channels, and around inlets to help prevent off-site discharge of sediment-laden stormwater runoff.
- Sediment tubes are elongated tubes of compacted geotextiles, curled excelsior wood, natural coconut fiber, or hardwood mulch. 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 "U" 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.

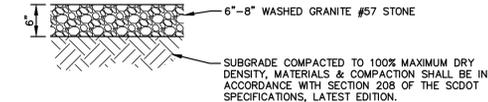
South Carolina Department of Health and Environmental Control
SEDIMENT TUBES
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 GENERAL NOTES
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MONTHS OF CONSTRUCTION ACTIVITIES

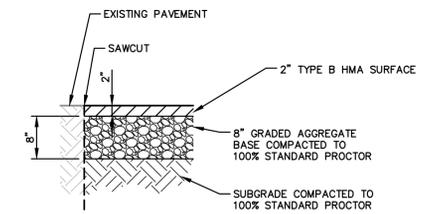


- THE TIME AND PERIODS ABOVE ARE NOT EXACT OR READILY DETERMINABLE BUT IN ALL CASES SOIL EROSION AND SEDIMENT CONTROL STRUCTURES WILL BE INCORPORATED INTO THE CONSTRUCTION IN THE SEQUENCE AS SHOWN ABOVE AND/OR AS DIRECTED BY TOWN OF HILTON HEAD ISLAND OR SCDHEC.
- GRASSING WILL BE ACCEPTED WHEN A 95% COVER BY PERMANENT GRASSES IS OBTAINED AND WEEDS ARE NOT DOMINANT.
- 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.

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.



GRAVEL PAVING DETAIL
N.T.S.



ASPHALT DRIVEWAY PAVEMENT REPAIR SECTION DETAIL
N.T.S.

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:
 1. 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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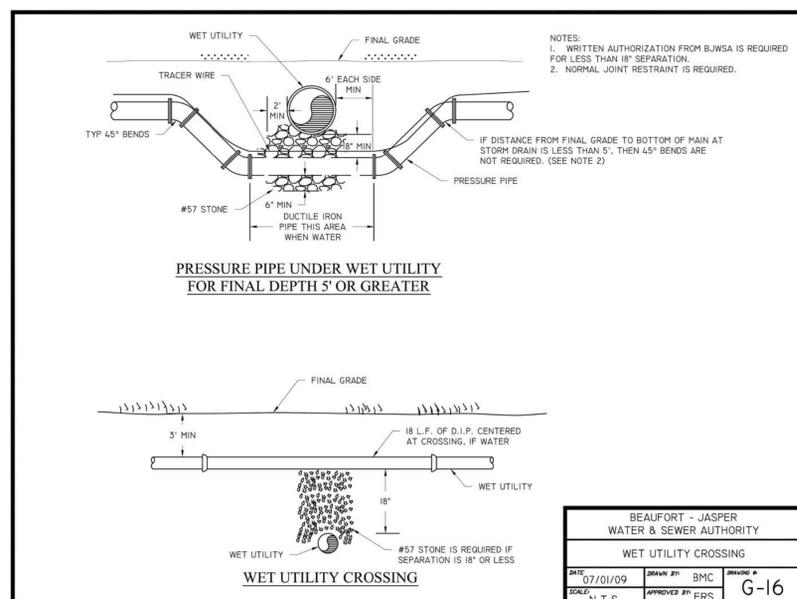
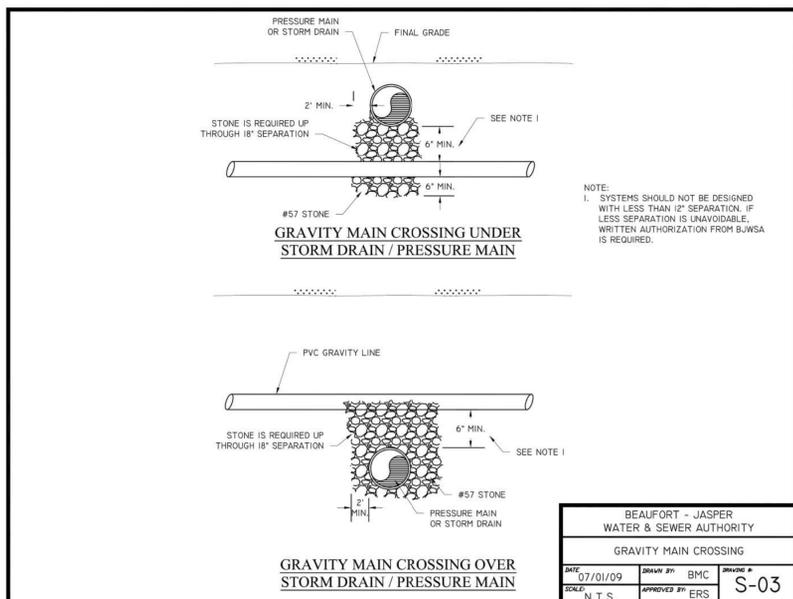
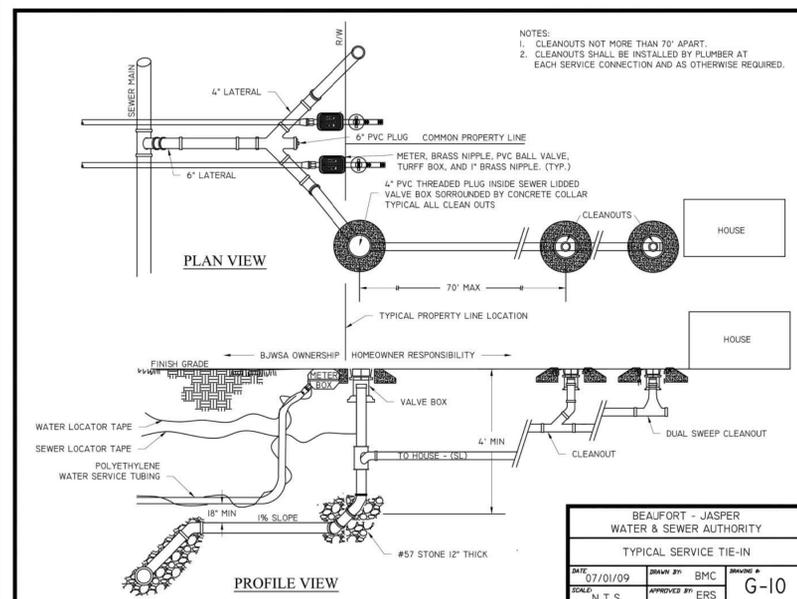
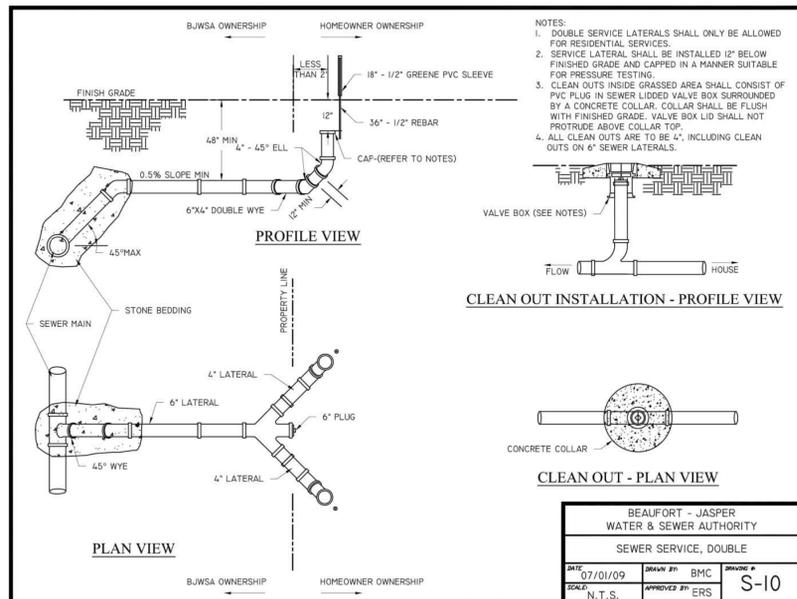
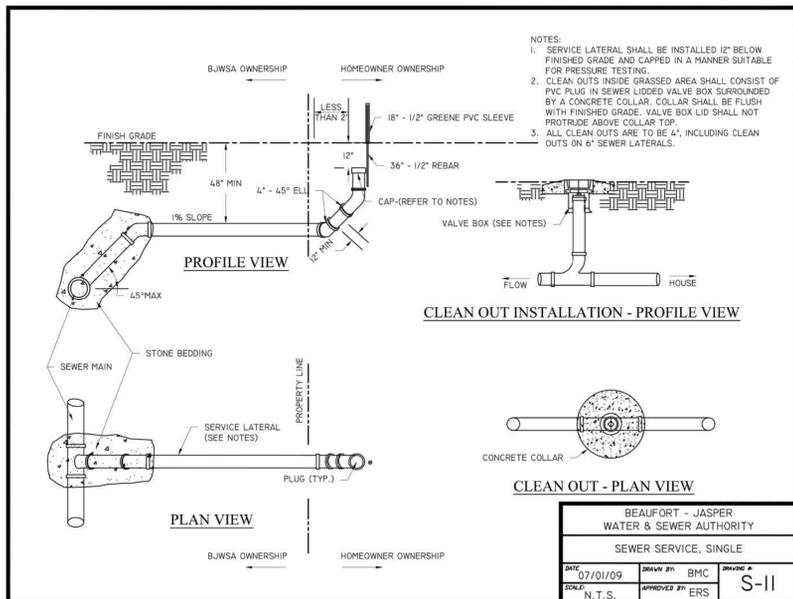
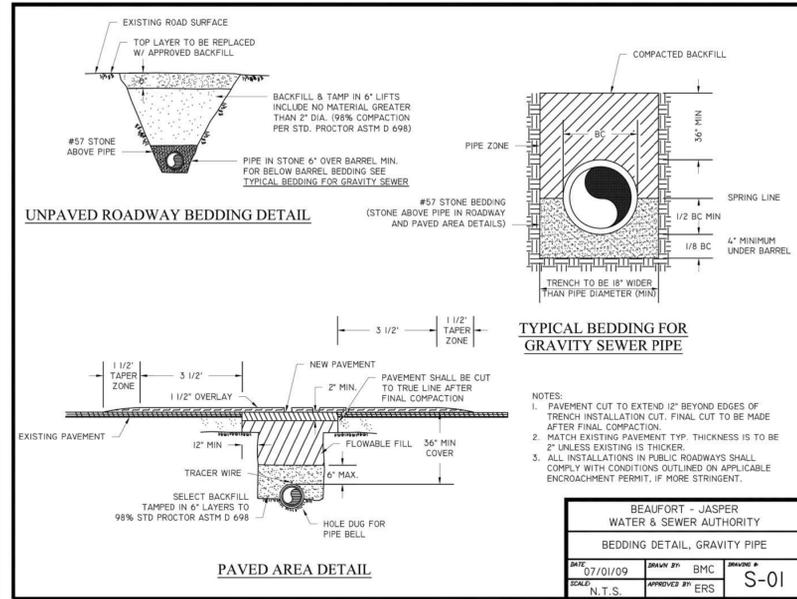
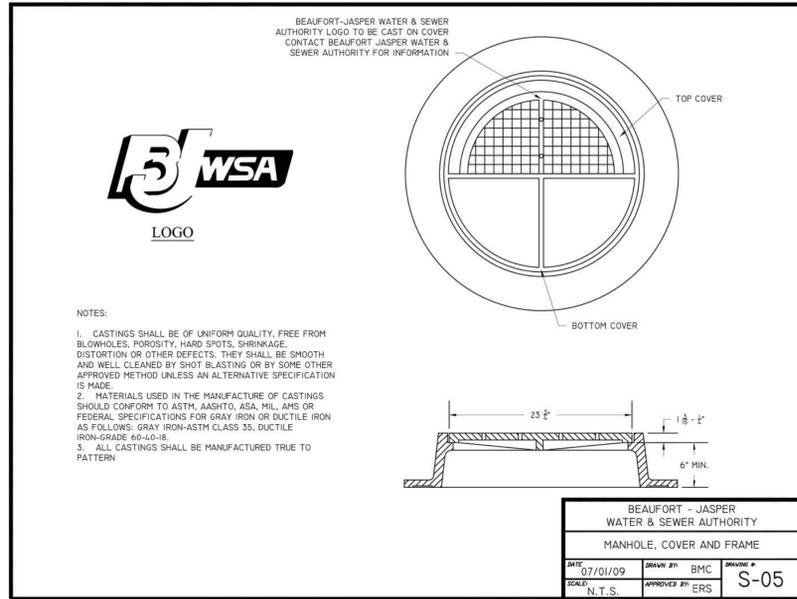
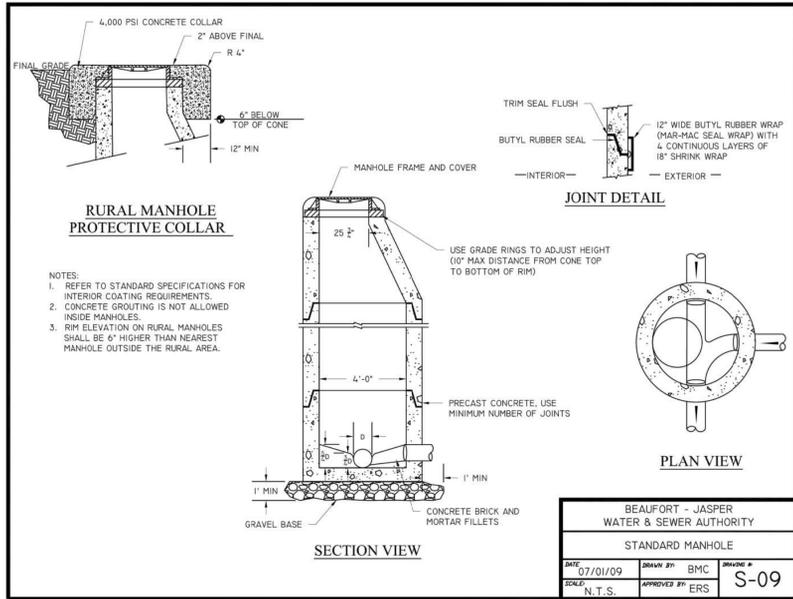


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POSEY COURT SEWER EXTENSION
SWPPP NOTES & DETAILS

DRAWN BY: AUB
 CHECKED BY: MER
 APPROVED BY: AUB
 DATE: 05/30/2019
 SCALE: AS SHOWN
 JOB No. 2018-0439
 DRAWING No. C6.0





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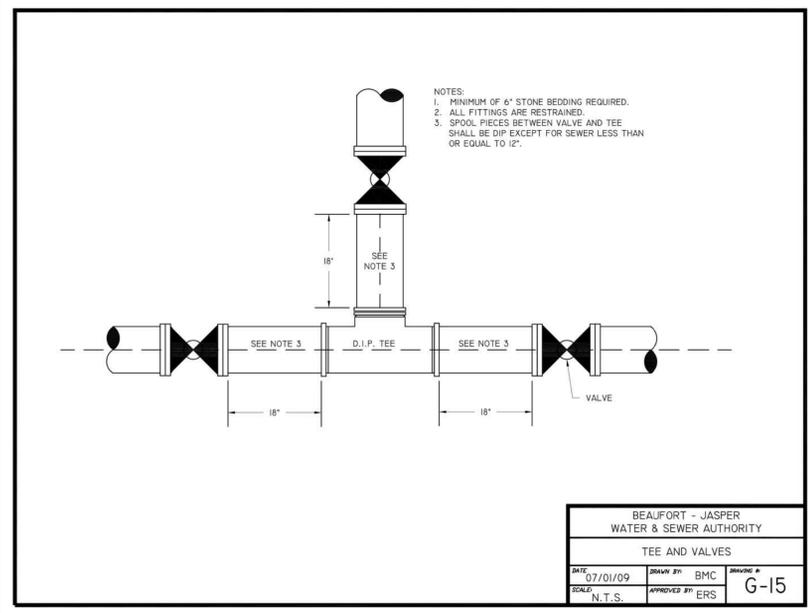
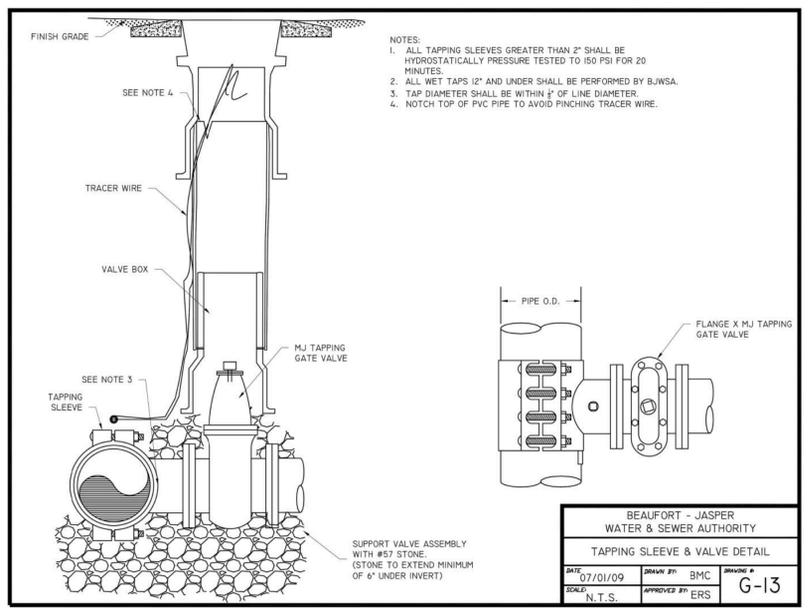
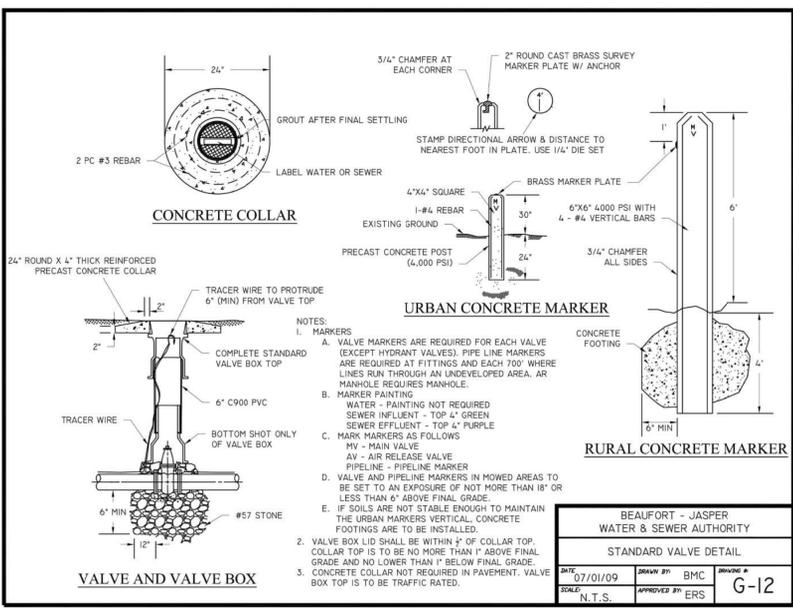
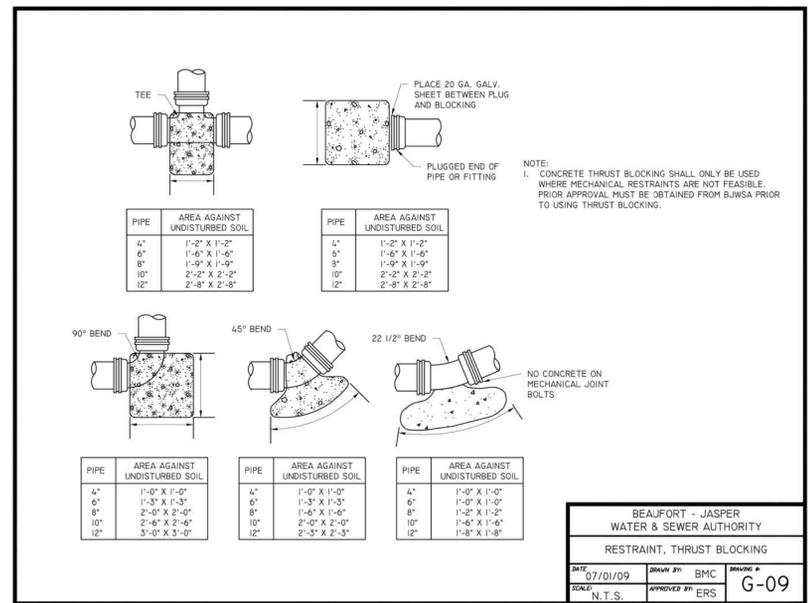
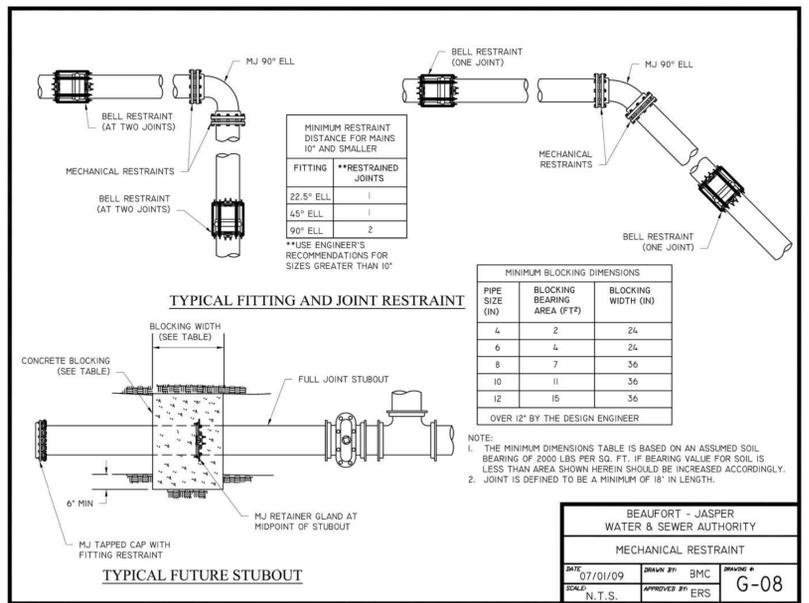
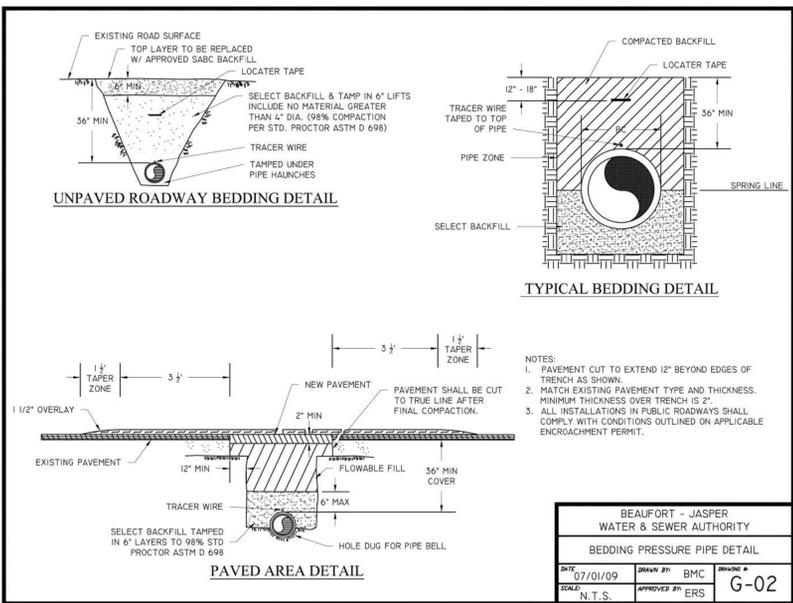
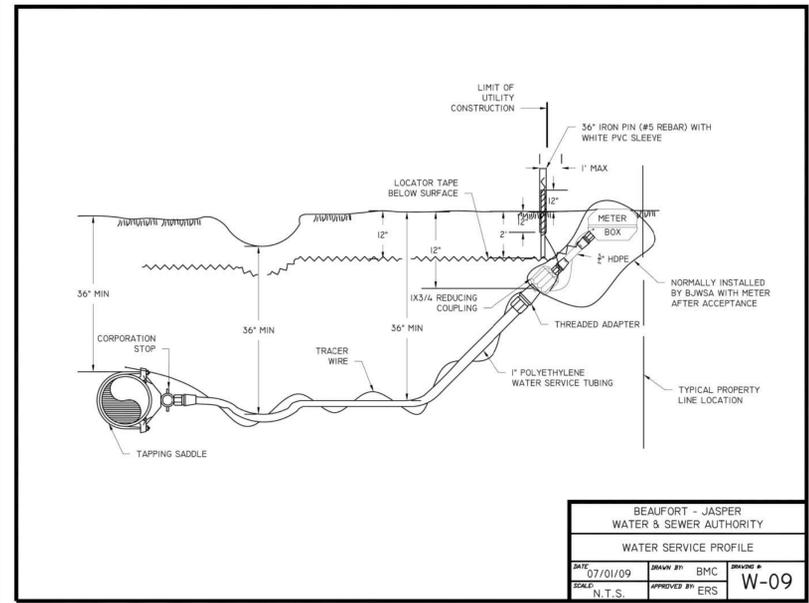
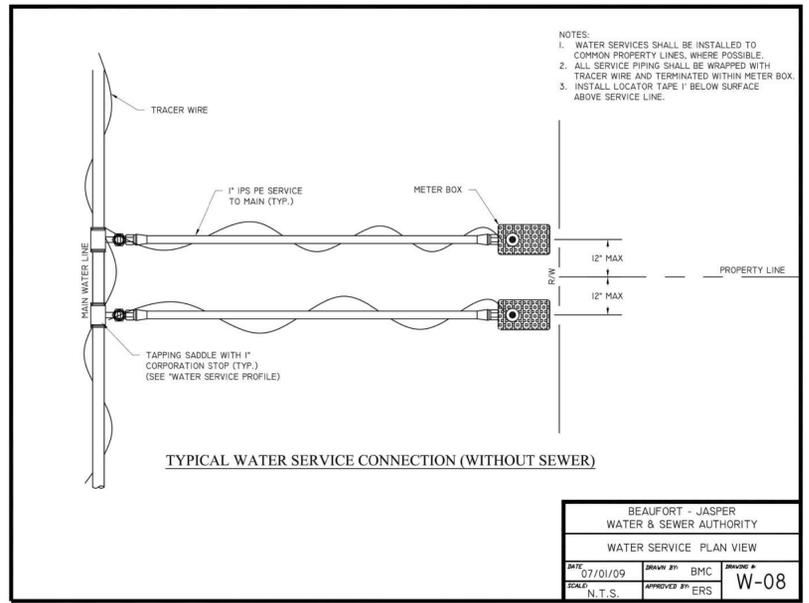
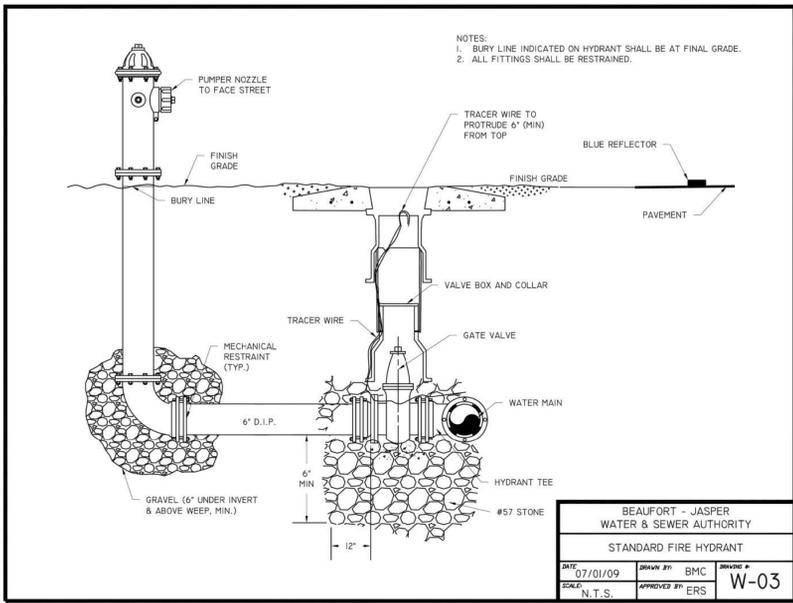
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POSEY COURT SEWER EXTENSION
UTILITY DETAILS

DRAWN BY: AUB
 CHECKED BY: MER
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