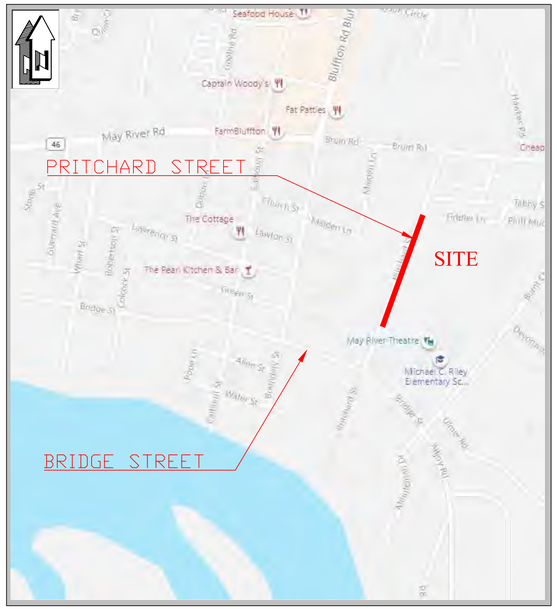
ATTACHMENT 2
PERMIT PLANS FOR

PRITCHARD STREET STREETSCAPE

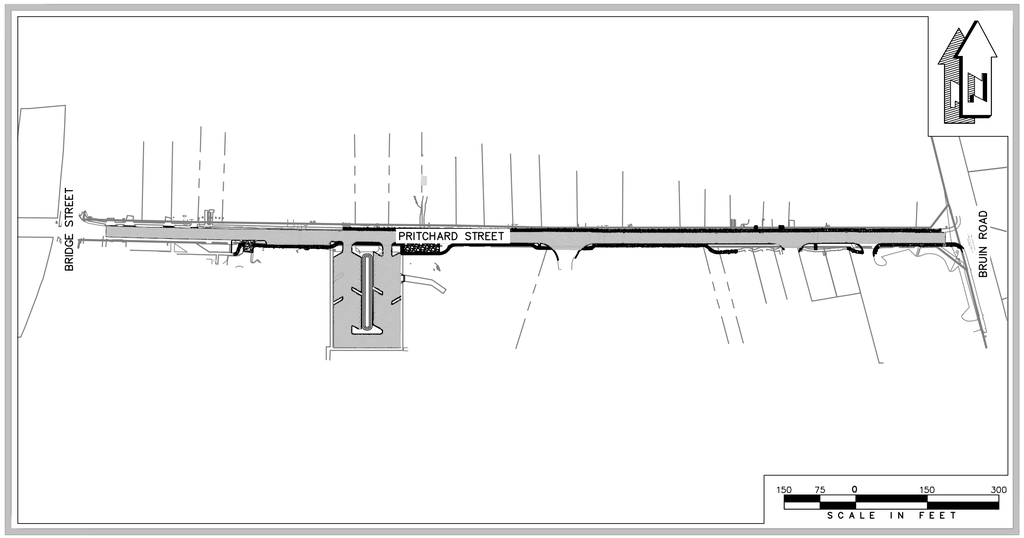
PREPARED FOR

TOWN OF BLUFFTON

20 BRIDGE STREET
BLUFFTON, SC 29910



VICINITY MAP
N.T.S.



LOCATION MAP
N.T.S.

PROJECT DATA:

1. OWNER/DEVELOPER:
   TOWN OF BLUFFTON
   1261 MAY RIVER ROAD
   BLUFFTON, SC 29910
   PHONE: 843-706-4500
   24 HOUR CONTACT:
   NAME: DAN RYBAK
   PHONE: 843-540-3925
2. TAX MAP & PARCEL NUMBERS: PRITCHARD STREET R/W, R610 039 000 0057 0000
3. PROVIDED PARKING
   PARKING PROVIDED: 54
   HANDICAP PARKING PROVIDED: 3
4. DRAINAGE AREA THIS PROJECT: 8.00 ACRES
5. IMPERVIOUS AREA:
   EXISTING: 2.20 ACRES
   PROPOSED: 5.80 ACRES
6. PERVIOUS AREA:
   EXISTING: 2.00 ACRES
   PROPOSED: 6.00 ACRES
7. RECEIVING STREAM: TRIBUTARY TO MAY RIVER
8. ULTIMATE STREAM: MAY RIVER

PREPARED BY

CRANSTON

2/28/2024

Cranston Engineering Group
NO. C00575
CERT. OF AUTHORIZATION

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER
NO. 24749
MATTHEW E. RANDALL

PERMIT SET
NOT FOR CONSTRUCTION

SHEET LIST TABLE

South Carolina 811 Call 811 Before You Dig

G:\PROJECTS\2021\2021-0735_PRITCHARD STREET DRAINAGE IMPROVEMENTS\AC-DRAWINGS\CIVIL\2021-0735 PRITCHARD STREET STREETSCAPE FRONT.DWG 2/28/2024 4:29 PM

ATTACHMENT 3

LEGEND

MAJOR CONTOUR (EXISTING)	PROPOSED REDUCER
MINOR CONTOUR (EXISTING)	EXISTING POST INDICATOR
MAJOR CONTOUR (PROPOSED)	PROPOSED POST INDICATOR
MINOR CONTOUR (PROPOSED)	EXISTING SANITARY TAP
EXISTING BOUNDARY	EXISTING SANITARY CLEAN OUT
EXISTING ADJOINER	EXISTING WATER VALVE
PERMANENT EASEMENT	PROPOSED WATER GATE VALVE
TEMPORARY EASEMENT	PROPOSED SANITARY GATE VALVE
25' BUFFER	PROPOSED SANITARY VALVE
ENVIRONMENTALLY SENSITIVE AREA	EXISTING GAS METER
EDGE OF WATER	PROPOSED GAS METER
TREE LINE	EXISTING GAS VALVE
EXISTING OVERHEAD UTILITY (UNSPECIFIED)	PROPOSED GAS VALVE
EXISTING UNDERGROUND POWER	B-# BORING
PROPOSED UNDERGROUND POWER	BM-# BENCHMARK
EXISTING OVERHEAD POWER	ACP AIR CONDITIONER
PROPOSED OVERHEAD POWER	BFP BACKFLOW PREVENTER
EXISTING UNDERGROUND TELEPHONE	B BOLLARD
PROPOSED UNDERGROUND TELEPHONE	CDP CONCRETE DUMPSTER PAD
EXISTING OVERHEAD TELEPHONE	CO CLEAN OUT
PROPOSED OVERHEAD TELEPHONE	CP CONCRETE PAD
EXISTING UNDERGROUND CABLE	CMP CORRUGATED METAL PIPE
PROPOSED UNDERGROUND CABLE	CPP CORRUGATED PLASTIC PIPE
EXISTING FIBEROPTIC	CW CHILLED WATER
PROPOSED FIBEROPTIC	DI DROP INLET
EXISTING GAS	DIP DUCTILE IRON PIPE
PROPOSED GAS	DWT DOUBLE WING TRAP
EXISTING WATER	EBX ELECTRICAL BOX
PROPOSED WATER	EF ELECTRICAL FEED
EXISTING SANITARY SEWER	EO ELECTRICAL OUTLET
PROPOSED SANITARY SEWER	F FOUNTAIN
FENCE: EXISTING	FOBX FIBEROPTIC BOX
FENCE: PROPOSED	FOM FIBEROPTIC MONUMENT
FENCE: EXISTING CHAINLINK	FOPB FIBEROPTIC PULLBOX
FENCE: PROPOSED CHAINLINK	FH FIRE HYDRANT
FENCE: EXISTING STONE	FP FLAG POLE
FENCE: PROPOSED STONE	GM GAS METER
FENCE: EXISTING WIRE	GP GUY POLE
FENCE: PROPOSED WIRE	GUY GUY WIRE
EXISTING GUARDRAIL	GT GRATE TRAP
PROPOSED GUARDRAIL	GV GAS VALVE
ORANGE BARRIER FENCE	GVP GAS VENT PIPE
SILT FENCE	HBT HOOD BACK TRAP
EXISTING BUILDING	ICV IRRIGATION CONTROL VALVE
PROPOSED BUILDING	IE= INVERT ELEVATION
EXISTING CONCRETE/PAVING	LP LIGHT POLE
PROPOSED CONCRETE AND/OR PAVING	MB MAIL BOX
EXISTING ASPHALT PAVING	MW MONITORING WELL
PROPOSED ASPHALT PAVING	OTF OPEN TOP FOUND
EXISTING GRAVEL PAVING OR RIP-RAP	PM POWER METER
PROPOSED GRAVEL PAVING OR RIP-RAP	PO POWER OUTLET
EXISTING BRICK PAVING	PP POWER POLE
PROPOSED BRICK PAVING	PVC POLYVINYLCHLORIDE PIPE
EXISTING UTILITY POLE	RCP REINFORCED CONCRETE PIPE
PROPOSED UTILITY POLE	RPZ REDUCED PRESSURE ZONE BACKFLOW PREVETER
EXISTING STRAIN POLE	SAN SANITARY SEWER
PROPOSED STRAIN POLE	SD STORM DRAIN
EXISTING GUY WIRE	SH SPRINKLER HEAD
PROPOSED GUY WIRE	STBX STORM BOX
EXISTING ELECTRIC LIGHT	SWT SINGLE WING TRAP
EXISTING LIGHT POLE	TD TRUNCATED DOME
PROPOSED LIGHT POLE	TP TELEPHONE PEDESTAL
EXISTING MANHOLE	TPB TELEPHONE PULLBOX
PROPOSED MANHOLE	TSB TRAFFIC SIGNAL BOX
EXISTING FIRE HYDRANT	TSC TRAFFIC SIGNAL CABINET
PROPOSED FIRE HYDRANT	TSP TRAFFIC SIGNAL POLE
EXISTING IRRIGATION VALVE	WM WATER METER
PROPOSED IRRIGATION VALVE	WV WATER VALVE
EXISTING WATER METER	WVB WATER VALVE BOX
PROPOSED WATER METER	WVLT WATER VAULT

GENERAL NOTES:

1. PLANS CONTAINED HEREIN ARE FOR IMPROVEMENTS APPROVED BY TOWN OF BLUFFTON AND SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION (SCDOT). ANY VARIATION FROM THE APPROVED PLANS MUST BE APPROVED IN WRITING BY THE OWNER AND/OR ENGINEER.
2. 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.
3. 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.
4. ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION FOR SCDOT, TOWN OF BLUFFTON SPECIFICATIONS, AND THE PROJECT SPECIFICATIONS.
5. THE CONTRACTOR WILL BE REQUIRED TO HAVE ON SITE A COPY OF SCDOT STANDARD SPECIFICATIONS AND STANDARD DRAWINGS, LATEST EDITION.
6. NO WORK SHALL COMMENCE WITHIN SCDOT'S RIGHT-OF-WAY UNTIL AN APPROVED SCDOT ENCROACHMENT PERMIT HAS BEEN RECEIVED.
7. ANY DISCREPANCIES, ERRORS, OR OMISSIONS DISCOVERED ON THE PLANS OR IN THE SPECIFICATIONS SHOULD BE IMMEDIATELY BROUGHT TO THE ENGINEERS 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.
8. THE OWNER MUST UTILIZE A SCDOT PRE-QUALIFIED CONTRACTOR FOR ALL WORK COMPLETED IN THE SCDOT RIGHT-OF-WAY.
9. THE OWNER SHALL PROVIDE AN ON-SITE INSPECTOR THAT IS CERTIFIED IN ALL DISCIPLINES OF ROAD CONSTRUCTION – EARTHWORK, DRAINAGE, ASPHALT, AND CONCRETE. OWNER SHALL PROVIDE 3RD PARTY INSPECTOR'S CREDENTIALS PRIOR TO ANY WORK BEGINNING IN THE SCDOT RIGHT-OF-WAY.
10. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PROTECTION FOR PEDESTRIANS THROUGHOUT PROJECT.
11. CONTRACTOR TO REFER TO CURRENT EDITION OF THE SCDOT STANDARD DRAWINGS.

GENERAL EXISTING CONDITIONS & SURVEY NOTES:

1. DATE OF SURVEY – 05/28/2023 BY ATLAS SURVEYING, INC.
2. PRIOR TO WORK, CONTRACTOR SHALL PERFORM SURVEY TO CONFIRM PLAN ELEVATIONS AND DISCUSS/RESOLVE DISCREPANCIES WITH TOWN PROJECT MANAGER.
3. 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.
4. ACCORDING TO THE FEMA FIRM PANEL NO. 45013C0426G, DATED 03/23/2021, THIS PROJECT LIES IN ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) WHICH DESCRIBES AN AREA OF MINIMAL FLOODING.
5. 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.
6. DISTURBANCES TO ANY SURVEY MARKERS OR MONUMENTS REQUIRES RE-ESTABLISHMENT BY A LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE.

GENERAL EROSION CONTROL NOTES:

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

GENERAL UTILITIES NOTES:

1. 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.
2. THE CONTRACTOR SHALL CONTACT SOUTH CAROLINA 811, "CALL BEFORE YOU DIG" SERVICE IN ORDER TO LOCATE UTILITIES PRIOR TO STARTING ANY EXCAVATION OR CONSTRUCTION.
3. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, ABOVE GROUND OR BELOW GROUND.
4. CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH APPROPRIATE UTILITIES PRIOR TO AND/OR DURING CONSTRUCTION.
5. CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY BEFORE DIGGING NEAR WATER AND SANITARY SEWER LINES.
6. NO EXTRA PAYMENT WILL BE MADE FOR REPAIRS TO DAMAGE OF EXISTING UTILITIES.
7. 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.
8. CONTRACTOR SHALL TEST PIT AND DETERMINE LOCATION OF ALL UTILITIES PRIOR TO BEGINNING WORK IN AREA AND INFORM ENGINEER OF ANY CONFLICTS WITH PROPOSED WORK.
9. CONTRACTOR TO COORDINATE CAMERA RELOCATION WITH UTILITY PROVIDER.
10. EXCAVATE AND VERIFY DEPTHS OF SEWER HOUSE CONNECTION LINES AND ADVISE OF ANY CONFLICTS WITH PROPOSED WORK ELEMENTS 2 WEEKS PRIOR TO WORK START IN AREA.

GENERAL TRAFFIC CONTROL NOTES:

1. 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.
2. THE CONTRACTOR WILL BE RESPONSIBLE FOR INITIAL INSTALLATION OF ALL TRAFFIC CONTROL SIGNAGE REQUIRED FOR CONSTRUCTION.
3. 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.
4. CERTIFIED FLAGGERS AND/OR ARROW BOARDS WILL BE REQUIRED TO MAINTAIN TRAFFIC CONTROL WHILE WORKING WITHIN THE LIMITS OF PUBLIC OR PRIVATE ROADWAYS.
5. CONTRACTOR SHALL MAINTAIN ONE (1) LANE OF TRAVEL OPEN AT ALL TIMES IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST ADDITION.
6. ALL CONSTRUCTION WITHIN THE RIGHT-OF-WAY SHALL CONFORM TO MUTCD GUIDELINES AND SCDOT STANDARD SPECIFICATIONS AND DRAWINGS.

GENERAL CONSTRUCTION NOTES:

1. 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.
2. UNSUITABLE AND SURPLUS EXCAVATION MATERIAL NOT REQUIRED FOR FILL SHALL BE DISPOSED OF OFFSITE.
3. 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.
4. ANY DAMAGE TO THE SIDE STREETS DUE TO CONSTRUCTION ACTIVITY SHALL BE REPAIRED IN AN EXPEDIENT MANNER AT THE CONTRACTOR'S EXPENSE.
5. NO FILTER FABRIC SHALL BE INSTALLED ON THE BOTTOM OF INFILTRATION TRENCHES.
6. ALL AGGREGATES ASSOCIATED WITH THE INFILTRATION BMP'S AND PERVOUS PAVER INSTALLATIONS SHALL BE WASHED STONE, CLEAN AND FREE OF FINE SEDIMENTS.
7. CONTRACTOR SHALL ENSURE SEDIMENT AND EROSION CONTROL MEASURES ARE IN PLACE AND UTILIZED DURING CONSTRUCTION AND IMMEDIATELY THEREAFTER TO PREVENT SEDIMENT CONTAMINATION OF BMP INFILTRATION AREA.
8. INLETS – ALL EXCAVATIONS FOR INSTALLATION OF INLETS ARE TO BE BACKFILLED WITH NO. 57 STONE TO ROAD BASE SUBGRADE ELEVATIONS. 1' OF EXCAVATION/STONE IS ASSUMED AROUND ALL INLET SIDES AND 1' BELOW BOTTOM OF INLET STRUCTURES.
9. BMP'S – ALL EXCAVATIONS FOR INSTALLATION OF BMP'S ARE TO BE BACKFILLED WITH THE AGGREGATE CALLED FOR TO ROAD BASE SUBGRADE ELEVATIONS.
10. FILL/BACKFILL IN OTHER AREAS TO MEET COMPACTION REQUIREMENTS.
11. EXISTING SIDEWALKS AND RAMPS TO BE REPLACED IF NOT CURRENTLY ADA COMPLIANT.

OWNER

TOWN OF BLUFFTON
DAN RYBAK
PO BOX 386, 20 BRIDGE STREET
BLUFFTON, SC 29910
(843) 706-4500

ENGINEER OF RECORD

MATTHEW RANDALL, PE
CRANSTON, LLC
(843) 352-7770

UTILITIES

POWER
DOMINION ENERGY
SERVICE CONTACT: 800-251-7234
REPORT OUTAGE: 888-333-4465

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

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

South Carolina 811 Call 811 Before You Dig

CRANSTON

SOUTH CAROLINA Cranston Engineering Group NO. C00575 CERTIFICATE OF AUTHORIZATION

PERMIT SET
NOT FOR CONSTRUCTION

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER NO.24749 MATTHEW E. RANDALL

2/28/2024

REV #	DATE	DESCRIPTION

PRITCHARD STREET STREETSCAPE

GENERAL NOTES AND LEGEND

DRAWN BY:	PAG
CHECKED BY:	MES
APPROVED BY:	MES
DATE:	2/28/2024
SCALE:	NO SCALE
JOB No.	2021-0735
DRAWING No.	C1.1

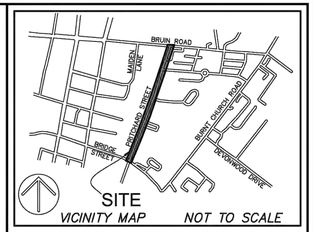
G:\PROJECTS\2021\2021-0735_PRITCHARD STREET DRAINAGE IMPROVEMENTS\AC-DRAWINGS\CIVIL\2021-0735 PRITCHARD STREET STREETSCAPE FRONT.DWG 2/28/2024 4:29 PM

LEGEND

CMF	■	CONC. MONUMENT FOUND
OTP	●	OPEN TOP PIPE
RBF	●	IRON REBAR FOUND
RBFD	●	IRON REBAR FOUND DISTURBED
AC		AIR CONDITIONING UNIT
CJB		CABLE JUNCTION BOX
E		ELECTRIC STUBOUT
		FIRE HYDRANT
FO		FIBER OPTIC BOX
		DRAINAGE INLET
		GAS VALVE
G		GAS METER
		GROUND LIGHT
		GUY WIRE
JB		JUNCTION BOX
		IRRIGATION CONTROL VALVE
		LIGHT POLE
		MAIL BOX
		POWER POLE
D		STORM DRAIN MANHOLE
×12.9		SPOT ELEVATION
SIGN		SIGN
SPIG		SPIGOT
SSCO		SANITARY SEWER CLEAN OUT
S		SANITARY SEWER LATERAL OR STUBOUT
S		SANITARY SEWER MANHOLE
		SANITARY SEWER VALVE
TEL		TELEPHONE JUNCTION BOX
UF		UNDERGROUND FIBER OPTICS MARKER
W		WATER LATERAL OR STUBOUT
W		WATER METER
		WATER VALVE
W		WATER VALVE MARKER
FFE		FINISHED FLOOR ELEVATION
PD		PIPE DIRECTION
PVC		POLYVINYL CHLORIDE PIPE
RCP		REINFORCED CONCRETE PIPE
BG		BLACK GUM
BIR		BIRCH
CH		CHERRY
G		SWEET GUM
HIC		HICKORY
LA		LAUREL OAK
LO		LIVE OAK
MAG		MAGNOLIA
P		PINE
PA		PALMETTO
RO		RED OAK
SB		SUGAR BERRY
WHO		WHITE OAK
WO		WATER OAK
WXM		WAX MYRTLE
BB		BOTTOM OF BANK
8		CONTOUR LINE
X		FENCE LINE
FM		FORCEMAIN
OHP		OVERHEAD POWER LINE
TB		TOP OF BANK
UTV		UNDERGROUND TV LINE
SD		UNDERGROUND DRAINAGE LINE
UE		UNDERGROUND ELECTRIC LINE
UFO		UNDERGROUND FIBER OPTICS LINE
UG		UNDERGROUND GAS LINE
SS		UNDERGROUND SEWER LINE
UT		UNDERGROUND TELEPHONE
W		UNDERGROUND WATER LINE
		CONCRETE
		EDGE OF PAVEMENT
		GRAVEL

ATTACHMENT 2

NORTH
SC GRID (NAD 83)



VICINITY MAP NOT TO SCALE

NOTES

1. FULL LEGEND FOUND ON COVER SHEET.
2. THIS PARCEL APPEARS TO LIE IN DUAL FLOOD ZONES, X AND ZONE AE (ELEVATION 9'), COMMUNITY 450251, MAP NUMBER 45013C0426G.
3. CONTOURS ARE IN ONE FOOT INTERVALS. TREE SIZES SHOWN ARE IN INCHES OF DIAMETER.
4. VERTICAL DATUM IS NAVD 88.
5. HORIZONTAL DATUM IS SOUTH CAROLINA STATE PLANE GRID (NAD 83).
6. THE EXISTENCE AND LOCATION OF THE SURFACE AND SUB-SURFACE UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE RECORDS AND SURFACE VISIBLE FEATURES ALONG WITH ELECTRONIC AND ACOUSTICAL EVIDENCE AS OF XX XX XXXX. THE EXTENT AND LIABILITY OF THIS INFORMATION IS LIMITED TO THE STANDARDS OF CARE FOR A SPECIFIC UTILITY INVESTIGATION AS DEFINED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) PUBLICATION 38-02. THE EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES CANNOT BE DETERMINED WITHOUT EXPOSING THEM IN SOME WAY. PRIOR TO CONSTRUCTION OR EXCAVATION, IT IS REQUIRED BY LAW TO CONTACT THE STATE 811 UTILITY PROTECTION CENTER.
7. BOUNDARY SURVEY NOT PERFORMED AT THE TIME OF FIELDWORK.

PREPARED FOR:
THE TOWN OF BLUFFTON

AN AS-BUILT, TREE AND TOPOGRAPHIC SURVEY OF

PRITCHARD STREET

THE TOWN OF BLUFFTON
BEAUFORT COUNTY, SOUTH CAROLINA

FIELD WORK:	JLG
FIELD CHECK:	JWR
DRAWN BY:	DTJ
DATE:	05-26-2023
SCALE:	1"=100'
PROJECT No.:	BFT-21456
FILE:	BFT-21456 T2.DWG

COVER SHEET

ATLAS
SURVEYING, INC.
168 BOARDWALK DRIVE, SUITE A.
RIDGELAND, SC 29936.
PHONE: (843) 645-9277
WEBSITE: WWW.ATLASSURVEYING.COM

SOUTH CAROLINA — ATLAS SURVEYING BFT, LLC. No. C05928 — CERTIFICATE OF AUTHORIZATION

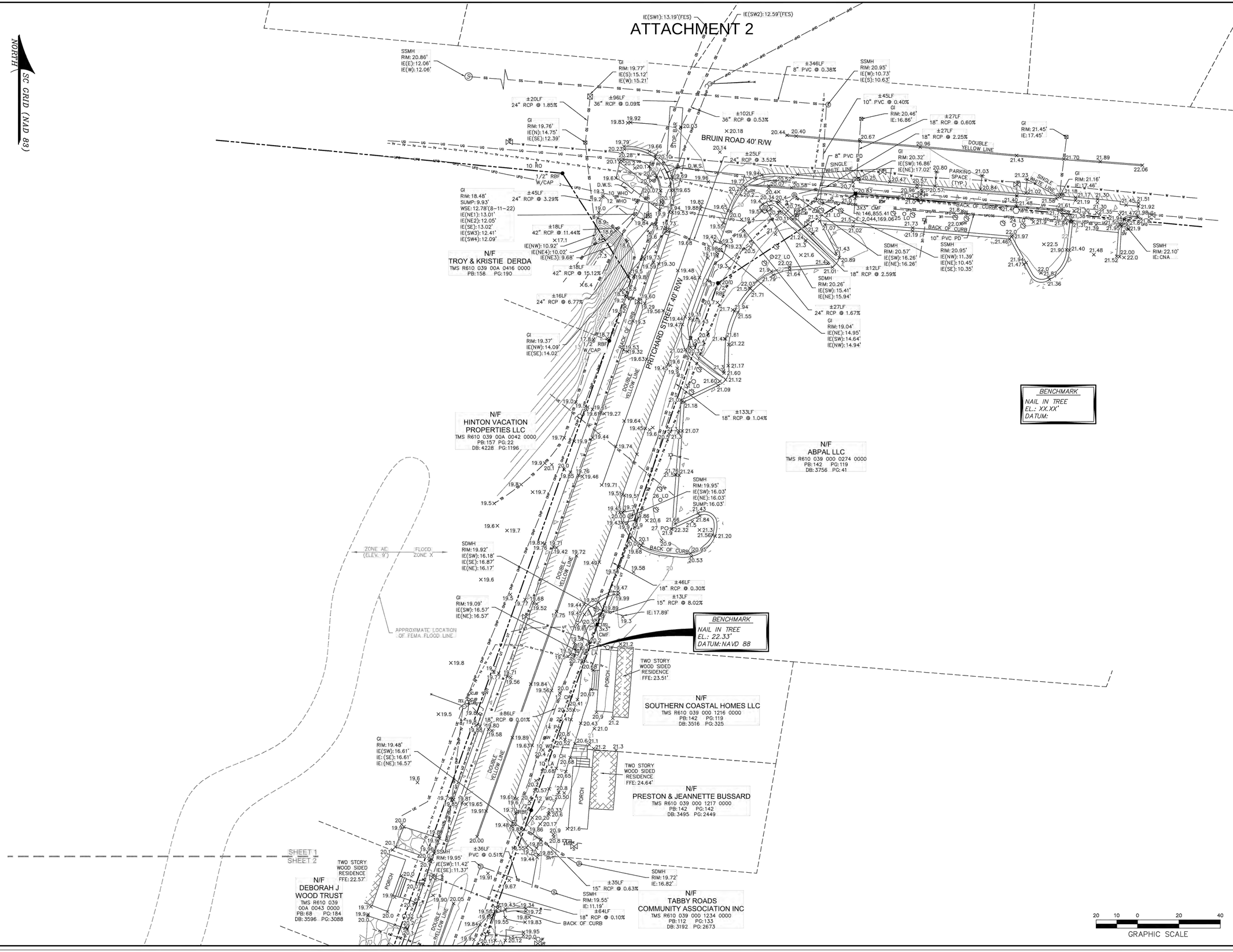
SOUTH CAROLINA — PROFESSIONAL — No. 28139 — LAND SURVEYOR — JEREMY W. REEDER

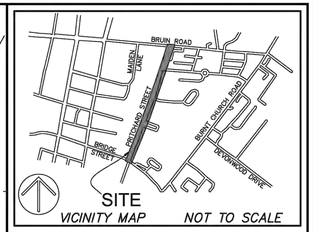
I HEREBY STATE THAT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREIN WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS AS SPECIFIED THEREIN.

JEREMY W. REEDER
S.C.P.L.S. No. 28139
NOT VAUID UNLESS CRIMPED WITH SEAL

100 50 0 100 200
GRAPHIC SCALE

ATTACHMENT 2





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PREPARED FOR:
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AN AS-BUILT, TREE AND TOPOGRAPHIC SURVEY OF

PRITCHARD STREET

THE TOWN OF BLUFFTON
BEAUFORT COUNTY, SOUTH CAROLINA

FIELD WORK:	JLG
FIELD CHECK:	JWR
DRAWN BY:	DTJ
DATE:	05-26-2023
SCALE:	1"=20'
PROJECT No.:	BFT-21456
FILE:	BFT-21456 T2.DWG

SHEET 1 OF 5

ATLAS SURVEYING, INC.
168 BOARDWALK DRIVE, SUITE A.
RIDGELAND, SC 29936.
PHONE: (843) 645-9277
WEBSITE: WWW.ATLASSURVEYING.COM

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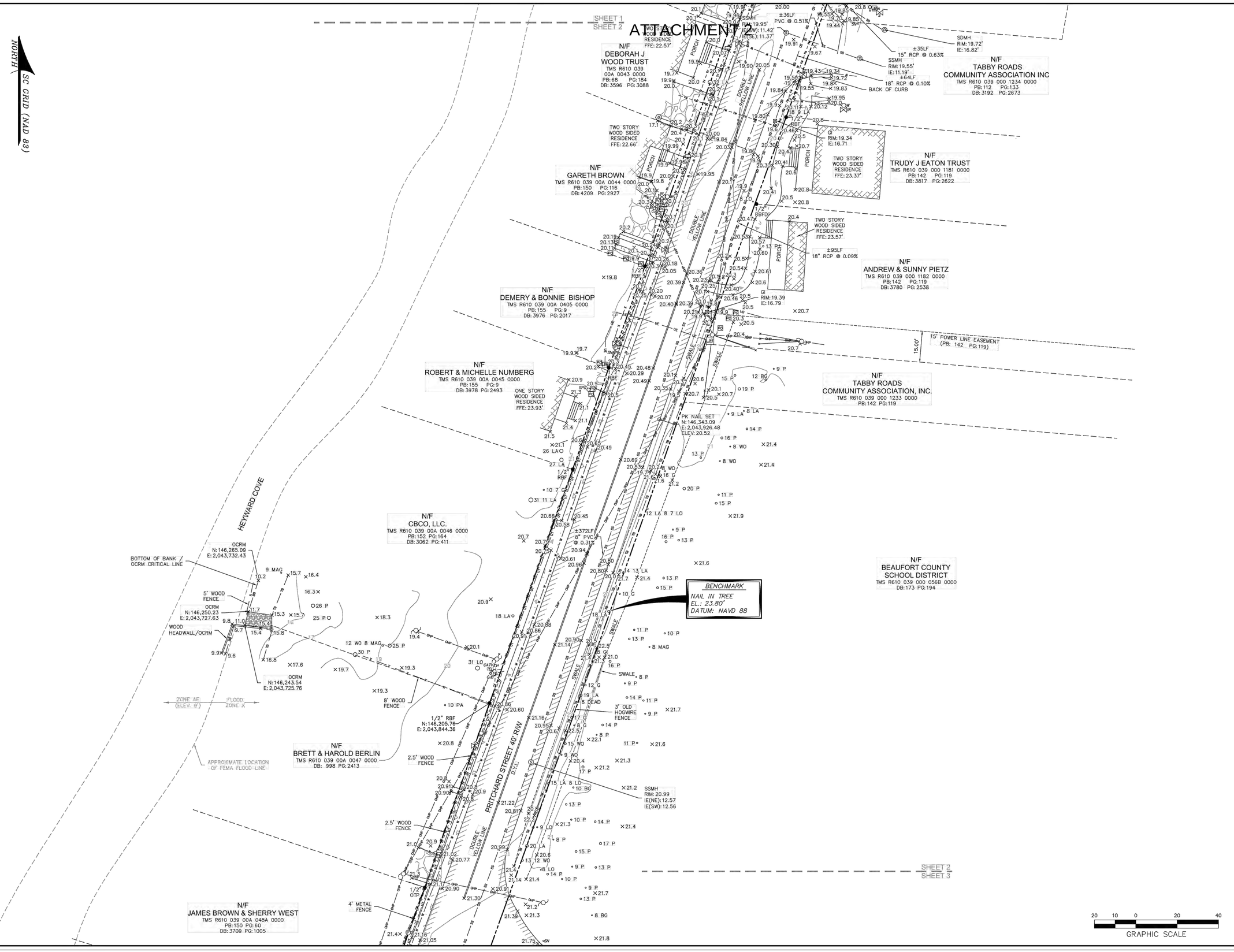
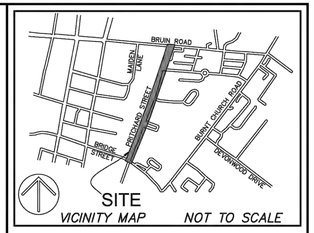
JEREMY W. REEDER
S.C.P.L.S. No. 28139
NOT VALID UNLESS CRIMPED WITH SEAL

ATTACHMENT





NOTES

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7. BOUNDARY SURVEY NOT PERFORMED AT THE TIME OF FIELDWORK.

PREPARED FOR:
THE TOWN OF BLUFFTON

AN AS-BUILT, TREE AND TOPOGRAPHIC SURVEY OF

PRITCHARD STREET

THE TOWN OF BLUFFTON
BEAUFORT COUNTY, SOUTH CAROLINA

FIELD WORK:	JLG
FIELD CHECK:	JWR
DRAWN BY:	DTJ
DATE:	05-26-2023
SCALE:	1"=20'
PROJECT No.:	BFT-21456
FILE:	BFT-21456 T2.DWG

SHEET 2 OF 5

ATLAS SURVEYING, INC.
168 BOARDWALK DRIVE, SUITE A.
RIDGELAND, SC 29936.
PHONE: (843) 645-9277
WEBSITE: WWW.ATLASSURVEYING.COM

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION — ATLAS SURVEYING BFT, LLC. No. C05928

SOUTH CAROLINA PROFESSIONAL LAND SURVEYOR — No. 28139 — JEREMY W. REEDER

I HEREBY STATE THAT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREIN WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS AS SPECIFIED THEREIN.

JEREMY W. REEDER
S.C.P.L.S. No. 28139
NOT VALID UNLESS CRIMPED WITH SEAL

20 10 0 20 40
GRAPHIC SCALE

ATTACHMENT 2

NORTH
SC GRID (NAD 83)

N/F
JAMES BROWN & SHERRY WEST
TMS R610 039 00A 048A 0000
PB:150 PG:60
DB:3709 PG:1005

N/F
JOSEPH & JULIE BAZZANO
TMS R610 039 00A 0387 0000
PB:150 PG:62
DB:3797 PG:816

N/F
VICTORIA COWEN
TMS R610 039 00A 0386 0000
PB:150 PG:62
DB:3794 PG:2168

N/F
SHIFTING TIDES, LLC.
TMS R610 039 00A 0348 0000
PB:150 PG:62
DB:3995 PG:2418

N/F
ANN EDDY
TMS R610 039 00A 0266 0000
PB:92 PG:19
DB:328 PG:295

N/F
ANN EDDY
TMS R610 039 00A 0049 0000
PB:92 PG:19
DB:2964 PG:1790

N/F
ANTHONY & ALYSSA PRESSLEY
TMS R610 039 00A 0267 0000
PB:92 PG:19
DB:3570 PG:3372

N/F
BEAUFORT COUNTY
SCHOOL DISTRICT
TMS R610 039 000 056B 0000
DB:173 PG:194

N/F
BLUFFTON SCHOOL
TMS R610 039 000 0057 0000
PB:125 PG:137

OCRM
N:145,953.74
E:2,043,587.67

OCRM
N:145,939.29
E:2,043,582.04

OCRM
N:145,905.83
E:2,043,557.56

BOTTOM OF BANK / OCRM CRITICAL LINE

CENTERLINE OF COVE

HEYWARD COVE

PRITCHARD STREET 40' R/W

DOUBLE YELLOW LINE

2.5' WOOD FENCE

4' METAL FENCE

3.5' WOOD FENCE

SHED

FIREPIT

ONE STORY WOOD SIDED RESIDENCE FFE: 22.75

ONE STORY BRICK SIDED BUILDING (POOL) FFE: 24.76

GRAVEL PARKING AREA

RAILROAD TRACK

8' DIRT ROAD

PK NAIL SET
N:145,866.01
E:2,043,754.99
ELEV:21.45

SSMH
RIM: 21.58
IE(NE): 13.53
IE(SW): 13.58

±372LF
8" PVC @ 0.26%

±120LF
8" PVC @ 1.10%

±208LF
18" PVC @ 0.39%

PD
12" RCP

GI
RIM: 20.11'
IE: 16.71'
SUMP: 16.41'

YI
RIM: 25.65'
IE: 20.48'

J" PVC CLEANOUT

2" PVC CLEANOUT

PLANTER

99.91'

116.44'

51.32'

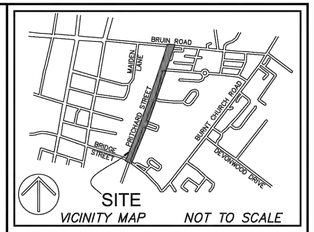
ZONE AE (ELEV. 9') | FLOOD ZONE X

APPROXIMATE LOCATION OF FEMA FLOOD LINE

SHEET 2
SHEET 3

SHEET 3
SHEET 4

GRAPHIC SCALE
20 10 0 20 40



VICINITY MAP NOT TO SCALE

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BEAUFORT COUNTY, SOUTH CAROLINA

FIELD WORK:	JLG
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SHEET 3 OF 5

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S.C.P.L.S. No. 28139
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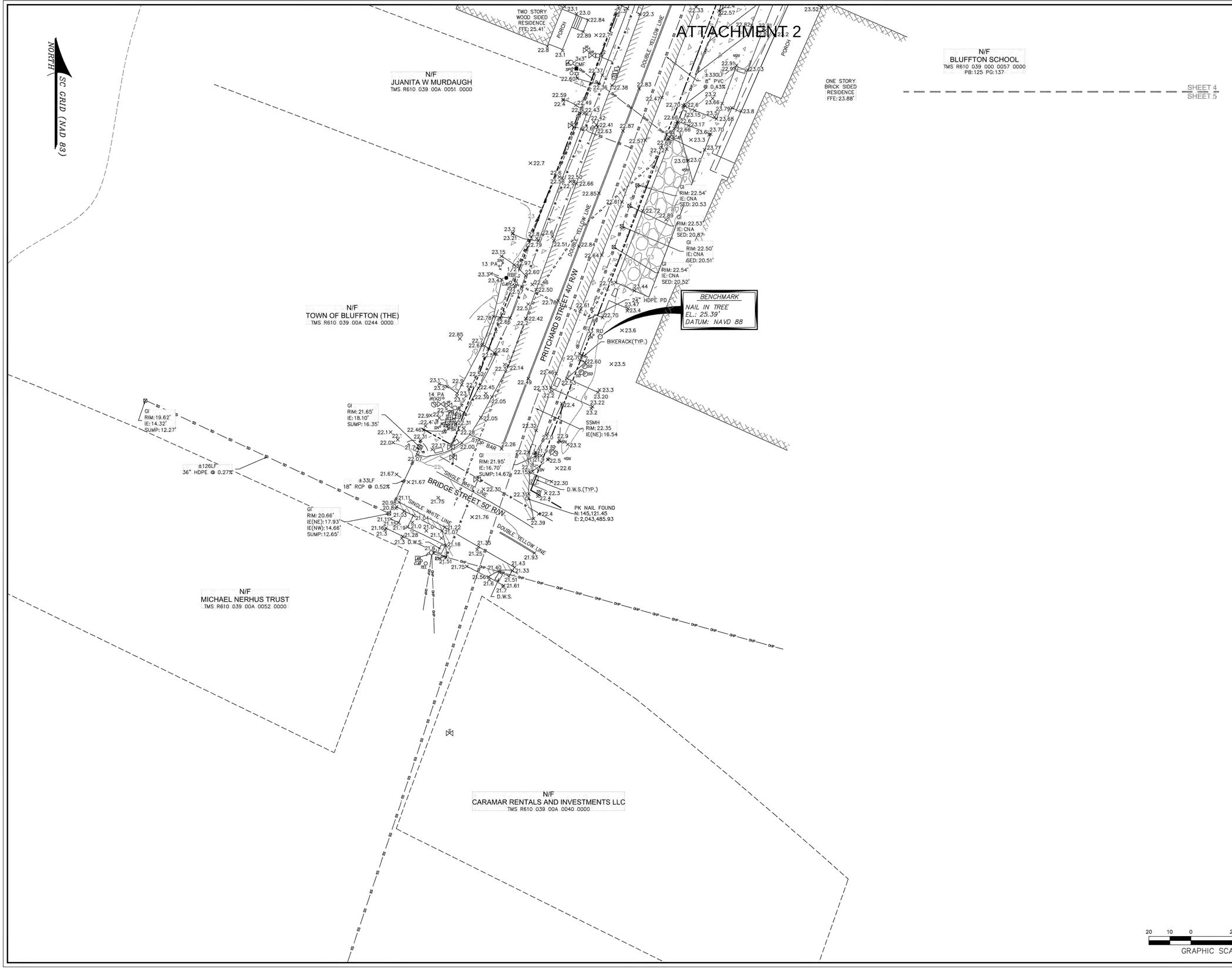

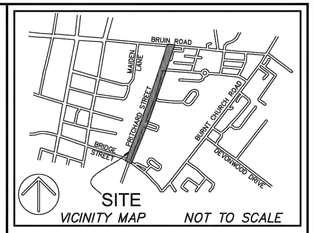

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THE TOWN OF BLUFFTON
BEAUFORT COUNTY, SOUTH CAROLINA

FIELD WORK:	JLG
FIELD CHECK:	JWR
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SCALE:	1"=20'
PROJECT No.:	BFT-21456
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SHEET 5 OF 5

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PROFESSIONAL
No. 28139
LAND SURVEYOR
JEREMY W. REEDER

20 10 0 20 40
GRAPHIC SCALE

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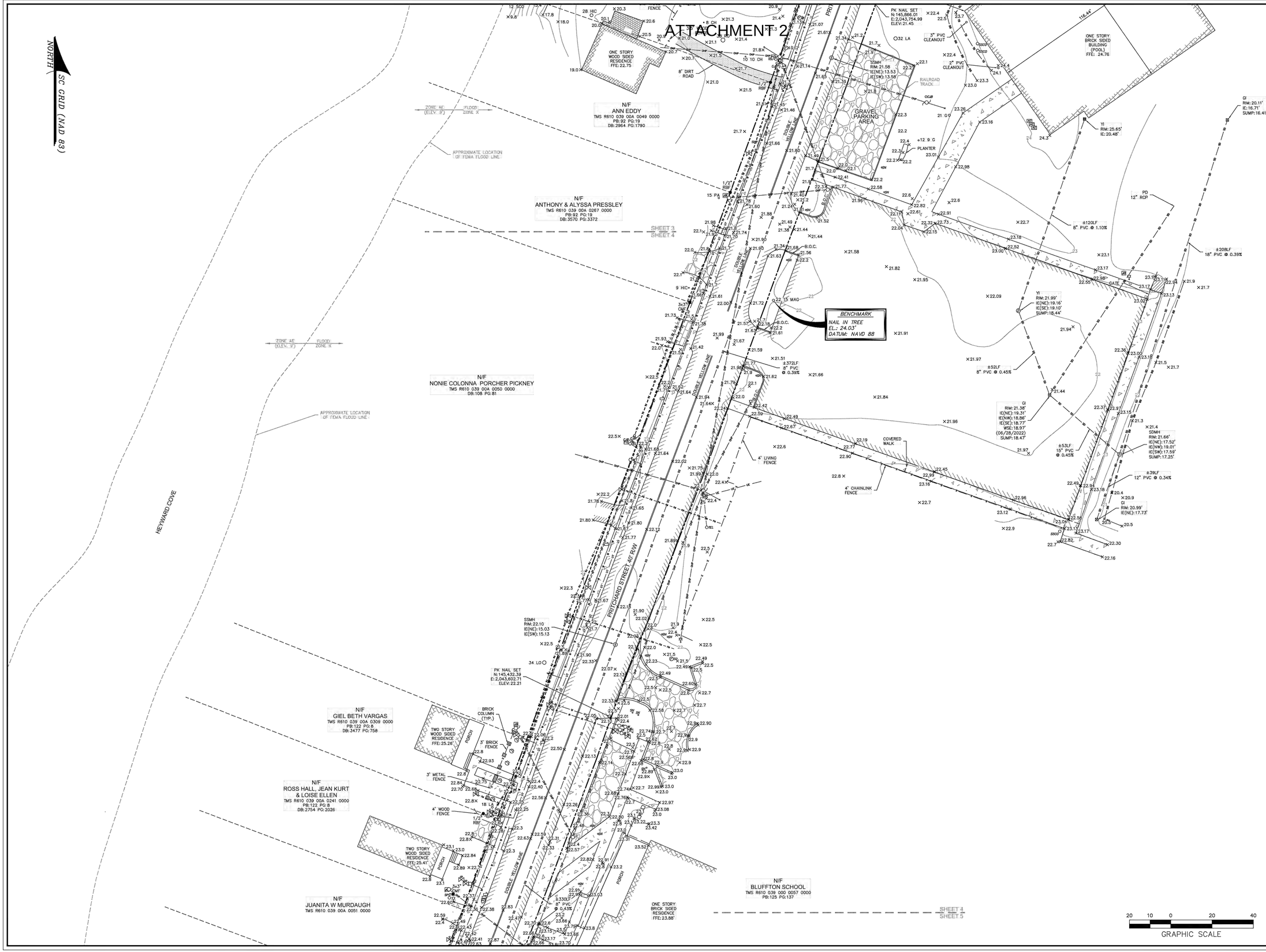

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THE TOWN OF BLUFFTON
BEAUFORT COUNTY, SOUTH CAROLINA

FIELD WORK:	KJC
FIELD CHECK:	JWR
DRAWN BY:	MTJ
DATE:	05-26-2023
SCALE:	1"=20'
PROJECT No.:	BFT-21456
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SHEET 4 OF 5

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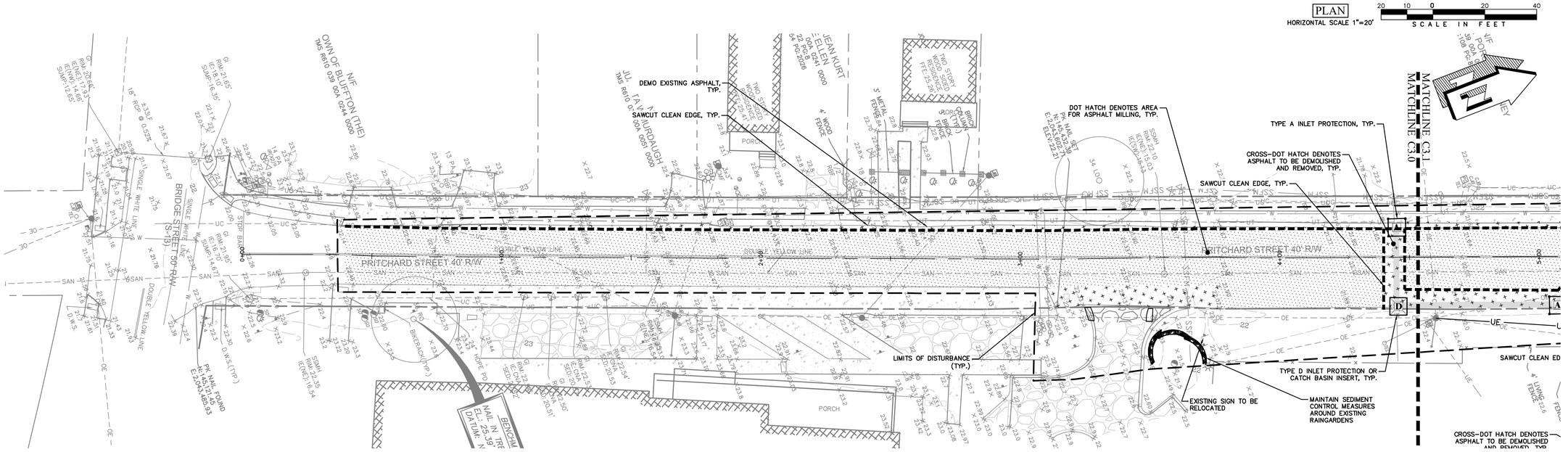


Department of Health and Environmental Control	MAPPING SYMBOLS FOR EROSION AND SEDIMENT CONTROL PLANS
	EFFECTIVE DATE: AUGUST, 2005

DESCRIPTION	SYMBOL
LIMITS OF DISTURBANCE:	
SILT FENCE:	SF
TREE PROTECTION FENCE:	
FENCE REMOVAL:	
PIPE REMOVAL:	
SAWCUT LINE:	
SIDEWALK REMOVAL:	
FULL DEPTH REMOVAL:	
AREA OF MILL:	
AREA OF MILL:	
CONCRETE WASHOUT:	CW
DUST CONTROL:	DC
PERMANENT SEEDING:	TS
TEMPORARY SEEDING:	PS

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

DESCRIPTION	SYMBOL
SEDIMENT TUBE:	
ROCK DITCH CHECK:	
ROCK SEDIMENT DIKE:	
INLET PROTECTION TYPE A:	A A
INLET PROTECTION TYPE D:	D
INLET PROTECTION TYPE E:	E
INLET PROTECTION TYPE F:	F
CONSTRUCTION ENTRANCE:	

South Carolina 811 Call 811 Before You Dig

CRANSTON

SOUTH CAROLINA Cranston Engineering Group NO. C00575 CERTIFICATE OF AUTHORIZATION

PERMIT SET
NOT FOR CONSTRUCTION

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER NO.24749 MATTHEW E. RANDALL

2/28/2024

REV #	DATE	DESCRIPTION

PRITCHARD STREET STREETSCAPE

DEMOLITION & SWPP PLAN

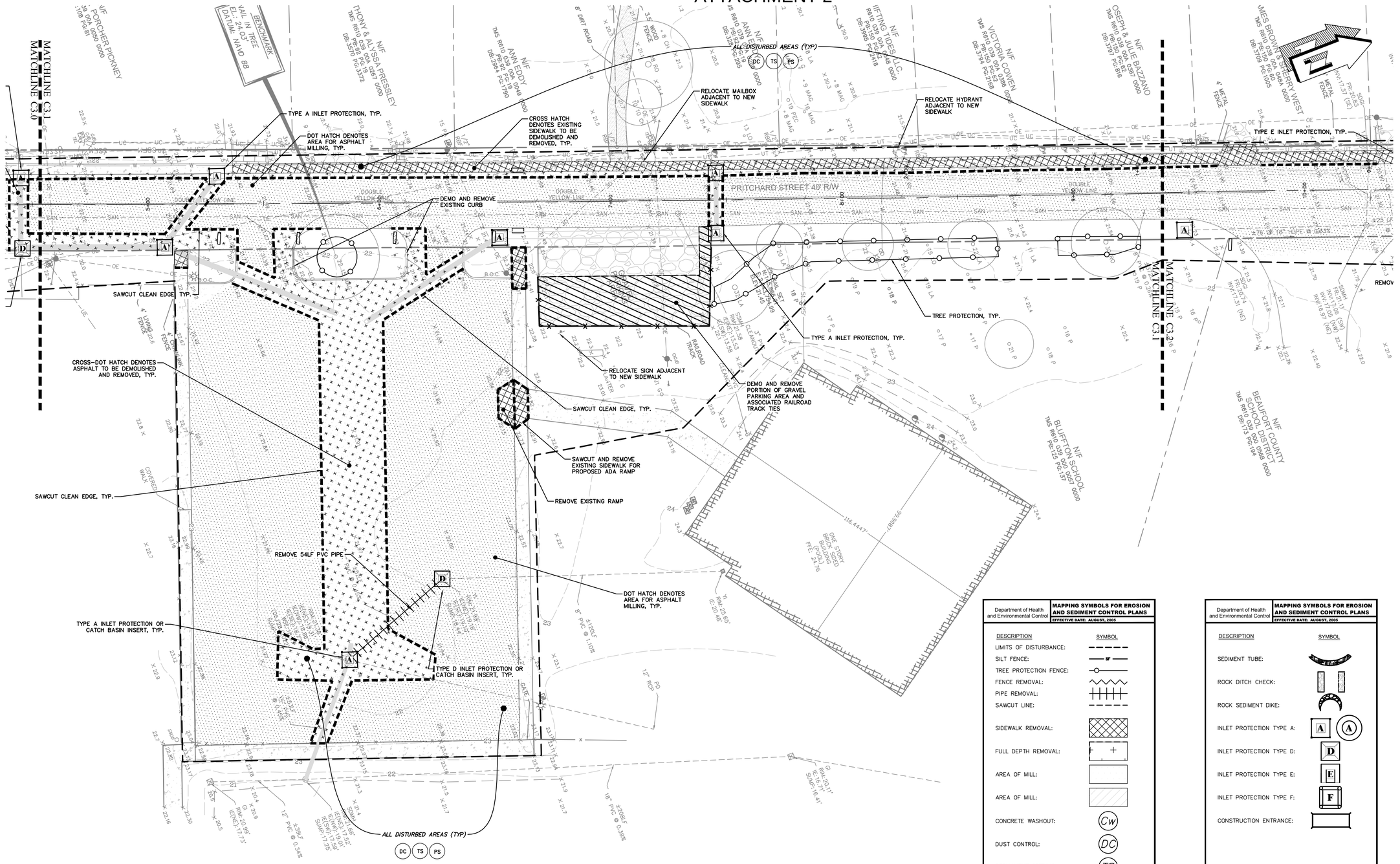
DRAWN BY:	PAG
CHECKED BY:	MES
APPROVED BY:	MES
DATE:	2/28/2024
SCALE:	1" = 20'
JOB No.	2021-0735
DRAWING No.	C3.0

G:\PROJECTS\2021\2021-0735_PRITCHARD STREET DRAINAGE IMPROVEMENTS\AC-DRAWINGS\CIVIL\2021-0735 PRITCHARD STREET STREETSCAPE FRONT.DWG 2/28/2024 4:30 PM

ATTACHMENT 2

PLAN
HORIZONTAL SCALE 1"=20'

20 10 0 20 40
SCALE IN FEET



PORTION OF PARKING REQUESTED TO REMAIN FUNCTIONAL THROUGHOUT CONSTRUCTION. OPEN TO CONTRACTOR TO COORDINATE WITH TOWN OF BLUFFTON.

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

DESCRIPTION	SYMBOL
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FENCE REMOVAL:	
PIPE REMOVAL:	
SAWCUT LINE:	
SIDEWALK REMOVAL:	
FULL DEPTH REMOVAL:	
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AREA OF MILL:	
CONCRETE WASHOUT:	Cw
DUST CONTROL:	DC
PERMANENT SEEDING:	TS
TEMPORARY SEEDING:	PS

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

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ROCK DITCH CHECK:	
ROCK SEDIMENT DIKE:	
INLET PROTECTION TYPE A:	A A
INLET PROTECTION TYPE D:	D
INLET PROTECTION TYPE E:	E
INLET PROTECTION TYPE F:	F
CONSTRUCTION ENTRANCE:	

CRANSTON

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PRITCHARD STREET STREETSCAPE

DEMOLITION & SWPP PLAN

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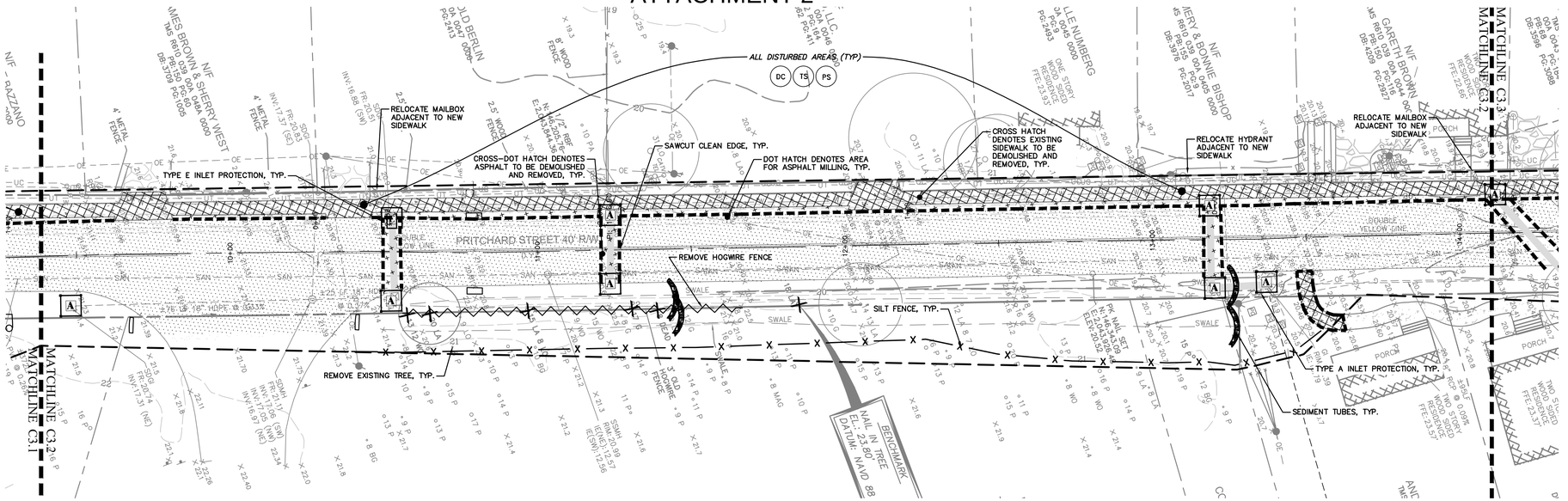
CHECKED BY:	MES
APPROVED BY:	MES
DATE:	2/28/2024
SCALE:	1" = 20'
JOB No.	2021-0735
DRAWING No.	C3.1

South Carolina 811 Call 811 Before You Dig

G:\PROJECTS\2021\2021-0735_PRITCHARD STREET DRAINAGE IMPROVEMENTS\CAD-DRAWINGS\CIVIL\2021-0735 PRITCHARD STREET STREETSCAPE FRONT.DWG 2/28/2024 4:30 PM

ATTACHMENT 2



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ROCK DITCH CHECK:	
ROCK SEDIMENT DIKE:	
INLET PROTECTION TYPE A:	A (A)
INLET PROTECTION TYPE D:	D
INLET PROTECTION TYPE E:	E
INLET PROTECTION TYPE F:	F
CONSTRUCTION ENTRANCE:	

PLAN
HORIZONTAL SCALE 1"=20'

20 10 0 20 40
SCALE IN FEET

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PRITCHARD STREET STREETSCAPE

DEMOLITION & SWPP PLAN

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APPROVED BY:	MES
DATE:	2/28/2024
SCALE:	1" = 20'
JOB No.	2021-0735
DRAWING No.	C3.2

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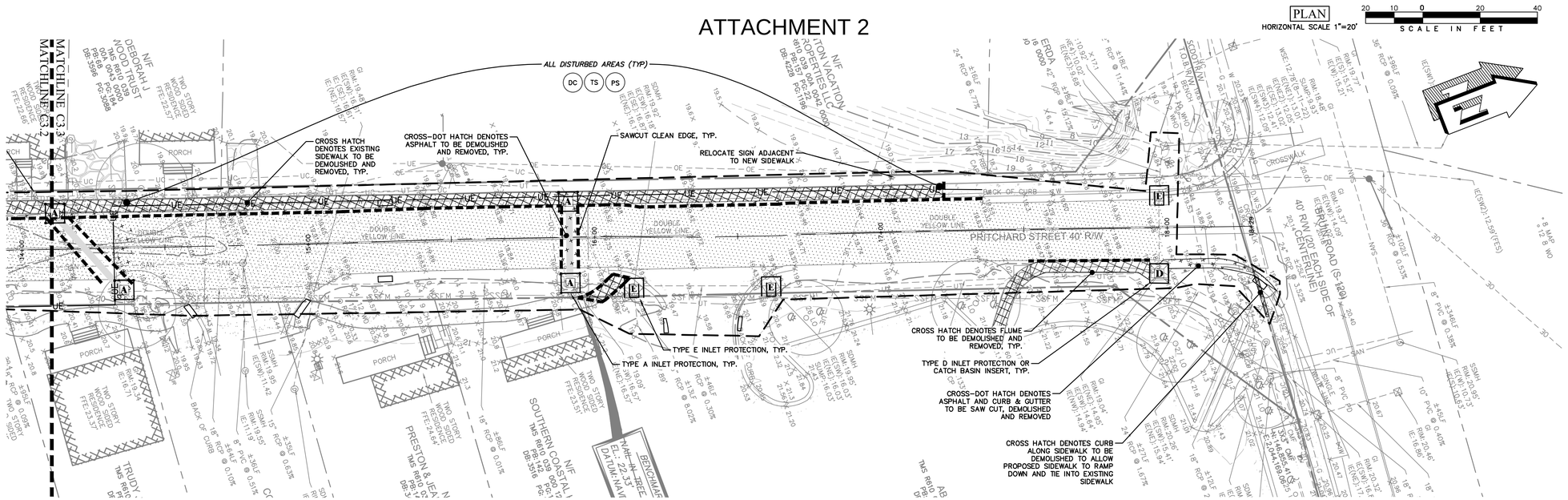
ATTACHMENT 2



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FULL DEPTH REMOVAL:	
AREA OF MILL:	
AREA OF MILL:	
CONCRETE WASHOUT:	Cw
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JOB No.	2021-0735
DRAWING No.	C3.3

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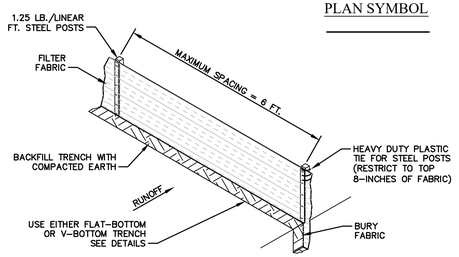
ATTACHMENT 2

SILT FENCE INSTALLATION

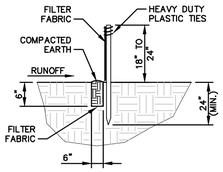


PLAN SYMBOL

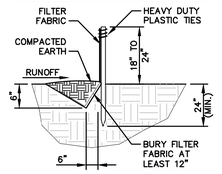
SILT FENCE - GENERAL NOTES

1. DO NOT PLACE SILT FENCE 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.
2. MAXIMUM SHEET OR OVERLAND FLOW PATH LENGTH TO THE SILT FENCE SHALL BE 100-FEET.
3. MAXIMUM SLOPE STEEPNESS (NORMAL [PERPENDICULAR] TO THE FENCE LINE) SHALL BE 2:1.
4. 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.
5. ATTACH FILTER FABRIC TO THE STEEL POSTS USING HEAVY-DUTY PLASTIC TIES THAT ARE EVENLY SPACED WITHIN THE TOP 8-INCHES OF THE FABRIC.
6. 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 CLEANOUT.
7. 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.

FLAT-BOTTOM TRENCH DETAIL



V-SHAPED TRENCH DETAIL



SILT FENCE

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
STANDARD DRAWING NO. SC-03 [PAGE 1]
N.T.S.

SILT FENCE - POST REQUIREMENTS

1. 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.
   - WEIGH 1.25 POUNDS PER FOOT (± 8%)
2. POSTS SHALL BE EQUIPPED WITH PROJECTIONS TO AID IN FASTENING OF FILTER FABRIC.
3. 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.
4. 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.
5. POST SPACING SHALL BE AT A MAXIMUM OF 6-FEET ON CENTER.

SILT FENCE - FABRIC REQUIREMENTS

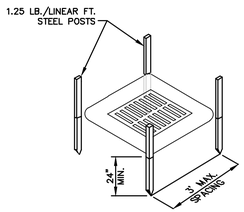
1. SILT FENCE MUST BE COMPOSED OF WOVEN GEOTEXTILE FILTER FABRIC THAT CONSISTS OF THE FOLLOWING REQUIREMENTS:
   - COMPOSED OF FIBERS CONSISTING OF LONG CHAIN SYNTHETIC POLYMERS OF AT LEAST 85% BY WEIGHT OF POLYOLEFINS, POLYESTERS, OR POLYAMIDES THAT ARE FORMED INTO A NETWORK SUCH THAT THE FILAMENTS 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.
2. 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.
3. 12-INCHES OF THE FABRIC SHOULD BE PLACED WITHIN EXCAVATED TRENCH AND TOED IN WHEN THE TRENCH IS BACKFILLED.
4. FILTER FABRIC SHALL BE PURCHASED IN CONTINUOUS ROLLS AND CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS.
5. FILTER FABRIC SHALL BE INSTALLED AT A MINIMUM OF 24-INCHES ABOVE THE GROUND.

SILT FENCE - INSPECTION AND MAINTENANCE

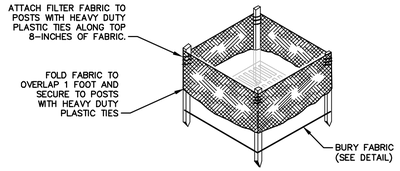
1. THE KEY TO FUNCTIONAL SILT FENCE IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.
2. REGULAR INSPECTIONS OF SILT FENCE SHALL BE CONDUCTED ONCE EVERY CALENDAR WEEK AND, AS RECOMMENDED, WITHIN 24-HOURS AFTER EACH RAINFALL EVEN THAT PRODUCES 1/2-INCH OR MORE OF PRECIPITATION.
3. ATTENTION TO SEDIMENT ACCUMULATIONS ALONG THE SILT FENCE IS EXTREMELY IMPORTANT. ACCUMULATED SEDIMENT SHOULD BE CONTINUALLY MONITORED AND REMOVED WHEN NECESSARY.
4. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE SILT FENCE.
5. REMOVED SEDIMENT SHALL BE PLACED IN STOCKPILE STORAGE AREAS OR SPREAD THINLY ACROSS DISTURBED AREA. STABILIZE THE REMOVED SEDIMENT AFTER IT IS RELOCATED.
6. 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.
7. 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.
8. 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

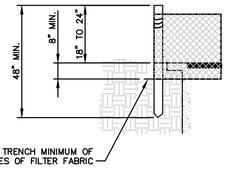
SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
STANDARD DRAWING NO. SC-03 [PAGE 2]
GENERAL NOTES



POST INSTALLATION DETAIL



FILTER FABRIC INSTALLATION DETAIL



FILTER FABRIC BURIAL DETAIL

PLAN SYMBOL

A

TYPE A
FILTER FABRIC INLET PROTECTION

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
STANDARD DRAWING NO. SC-07 [PAGE 1]
N.T.S.

TYPE A - FILTER FABRIC REQUIREMENTS

1. 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 POLYOLEFINS, 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.
2. 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.
3. 12-INCHES OF THE FABRIC SHOULD BE PLACED WITHIN EXCAVATED TRENCH AND TOED IN WHEN THE TRENCH IS BACKFILLED.
4. FILTER FABRIC SHALL BE PURCHASED IN CONTINUOUS ROLLS AND CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS.
5. FILTER FABRIC SHALL BE INSTALLED AT A MINIMUM OF 24-INCHES ABOVE THE GROUND.

TYPE A - POST REQUIREMENTS

1. 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.
   - WEIGH 1.25 POUNDS PER FOOT (± 8%)
2. POSTS SHALL BE EQUIPPED WITH PROJECTIONS TO AID IN FASTENING OF FILTER FABRIC.
3. 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.
4. POST SPACING SHALL BE AT A MAXIMUM OF 3-FEET ON CENTER.

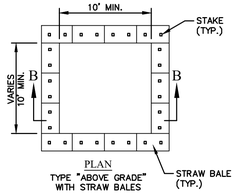
TYPE A - INSPECTION & MAINTENANCE

1. THE KEY TO FUNCTIONAL INLET PROTECTION IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.
2. REGULAR INSPECTIONS OF INLET PROTECTION SHALL BE CONDUCTED ONCE EVERY CALENDAR WEEK AND, AS RECOMMENDED, WITHIN 24-HOURS AFTER EACH RAINFALL EVEN THAT PRODUCES 1/2-INCH OR MORE OF PRECIPITATION.
3. ATTENTION TO SEDIMENT ACCUMULATIONS ALONG THE FILTER FABRIC IS EXTREMELY IMPORTANT. ACCUMULATED SEDIMENT SHOULD BE CONTINUALLY MONITORED AND REMOVED WHEN NECESSARY.
4. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE FILTER FABRIC. WHEN A SUMP IS INSTALLED IN FRONT OF THE FABRIC, SEDIMENT SHOULD BE REMOVED WHEN IT FILLS APPROXIMATELY 1/3 THE DEPTH OF THE SUMP.
5. REMOVED SEDIMENT SHALL BE PLACED IN STOCKPILE STORAGE AREAS OR SPREAD THINLY ACROSS DISTURBED AREA. STABILIZE THE REMOVED SEDIMENT AFTER IT IS RELOCATED.
6. CHECK FOR AREAS WHERE STORMWATER RUNOFF HAS ERODED A CHANNEL BENEATH THE FILTER FABRIC, OR WHERE THE FABRIC HAS SAGGED OR COLLAPSED DUE TO RUNOFF OVERTOPPING THE INLET PROTECTION.
7. CHECK FOR TEARS WITHIN THE FILTER FABRIC, AREAS WHERE FABRIC HAS BEGUN TO DECOMPOSE, AND FOR ANY OTHER CIRCUMSTANCE THAT MAY RENDER THE INLET PROTECTION INEFFECTIVE. REMOVED DAMAGED FABRIC AND REINSTALL NEW FILTER FABRIC IMMEDIATELY.
8. INLET PROTECTION STRUCTURES SHOULD BE REMOVED AFTER ALL THE DISTURBED AREAS ARE PERMANENTLY STABILIZED. REMOVE ALL CONSTRUCTION MATERIAL AND SEDIMENT, AND DISPOSE OF THEM PROPERLY. GRADE THE DISTURBED AREA TO THE ELEVATION OF THE DROP INLET STRUCTURE CREST. STABILIZE ALL BARE AREAS IMMEDIATELY.

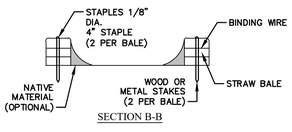
TYPE A
FILTER FABRIC INLET PROTECTION

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
STANDARD DRAWING NO. SC-07 [PAGE 2]
GENERAL NOTES

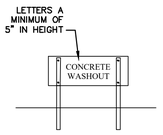
STRAW BALE BARRIER CONCRETE WASHOUT



PLAN
TYPE "ABOVE GRADE" WITH STRAW BALES



SECTION B-B



CONCRETE WASHOUT SIGN DETAIL

NOTES

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. INSTALL CONCRETE WASHOUT SIGN (24"X24", MINIMUM) WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. TEMPORARY WASHOUT AREA MUST BE AT LEAST 50' FROM A STORM DRAIN, CREEK BANK OR PERIMETER CONTROL.
4. CLEAN OUT CONCRETE WASHOUT AREA WHEN 50% FULL.
5. THE KEY TO FUNCTIONAL CONCRETE WASHOUTS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR CLEAN OUT.
6. SILT FENCE SHALL BE INSTALLED AROUND PERIMETER OF CONCRETE WASHOUT AREA EXCEPT FOR THE SIDE UTILIZED FOR ACCESSING THE WASHOUT.
7. A ROCK CONSTRUCTION ENTRANCE MAY BE NECESSARY ALONG ONE SIDE OF THE WASHOUT TO PROVIDE VEHICLE ACCESS.

CONCRETE WASHOUT
STRAW BALES OR ABOVE GROUND

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
STANDARD DRAWING NO. RC-07 [PAGE 1]
N.T.S.

INLET PROTECTION TYPE D - GENERAL NOTES

THERE ARE TWO USES FOR RIGID INLET FILTERS: MEDIAN APPLICATIONS (TYPE D1) AND SUMP APPLICATIONS (TYPE D2). TYPE D1 FILTERS HAVE MORE OVERFLOW CAPACITY AND LESS FILTRATION AREA THAN TYPE D2 TO PREVENT PONDING IN MEDIANS. THESE FILTERS ARE CAPABLE OF PROTECTING INLET STRUCTURES NOT ASSOCIATED WITH CURB INLETS.

RIGID INLET FILTERS EXHIBIT THE FOLLOWING PROPERTIES:

1. COMPOSED OF A GEOTEXTILE FABRIC CONNECTED TO A RIGID STRUCTURE. THE GEOTEXTILE FABRIC IS NON-BIODEGRADABLE AND RESISTANT TO DEGRADATION BY ULTRAVIOLET EXPOSURE AND RESISTANT TO CONTAMINANTS COMMONLY ENCOUNTERED IN STORM WATER.
2. USE A RIGID STRUCTURE COMPOSED OF HIGH MOLECULAR WEIGHT, HIGH DENSITY POLYETHYLENE COPOLYMER WITH A UV INHIBITOR. DO NOT USE STRUCTURES THAT ARE NOT REUSABLE AND RECYCLABLE.
3. USE A FILTER FABRIC CONSTRUCTED OF 100% CONTINUOUS POLYESTER NONWOVEN ENGINEERING FABRIC. THE FILTER FABRIC IS FABRICATED TO PROVIDE A DIRECT FIT ADJACENT TO THE ASSOCIATED RIGID STRUCTURE.
4. RIGID INLET FILTERS HAVE A TWO-STAGE DESIGN. THE FIRST STAGE CONVEYS NORMAL FLOWS AT A MINIMUM CLEAN WATER FLOW RATE OF 100 GALLONS PER MINUTE PER SQUARE FOOT. THE SECOND STAGE CONVEYS HIGH FLOW RATES, WITH A MINIMUM APPARENT OPENING OF 0.5-INCH PER SQUARE INCH (NO. 12 STANDARD SIEVE OPENING).
5. TYPE D1 INLET FILTERS HAVE A FIRST STAGE MINIMUM HEIGHT OF 9-INCHES AND A MAXIMUM HEIGHT OF 12-INCHES IN ORDER TO ALLOW GREATER OVERFLOW CAPACITY AND PREVENT PONDING IN THE MEDIAN.
7. RIGID INLET FILTERS COMPLETELY SURROUND THE INLET.
8. RIGID INLET FILTERS HAVE LIFTING DEVICES OR STRUCTURES TO ASSIST IN THE INSTALLATION AND ALLOW INSPECTION OF THE STORM WATER SYSTEM.
9. THE FILTER FABRIC IS CAPABLE OF REDUCING EFFLUENT SEDIMENT CONCENTRATIONS BY NO LESS THAN 80% UNDER TYPICAL SEDIMENT MIGRATION CONDITIONS.
10. SELECT APPLICABLE TYPE D INLET FILTERS FROM THE SCDOT APPROVED PRODUCTS LIST

INLET PROTECTION TYPE D - INSTALLATION

INSTALL RIGID INLET FILTERS IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. PROPERLY INSTALL RIGID INLET PROTECTION SO THAT THE INLET IN COMPLETELY ENCLOSED

INLET PROTECTION TYPE D - INSPECTION & MAINTENANCE

1. INSPECT ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24-HOURS AFTER EACH STORM THAT PRODUCES ¼-INCHES OR MORE OF RAIN. ANY NEEDED REPAIRS SHOULD BE HANDLED IMMEDIATELY.
2. INSPECT AFTER INSTALLATION TO INSURE THAT NO GAPS EXIST THAT MAY PERMIT SEDIMENT TO ENTER THE STORM DRAIN SYSTEM.
3. REMOVE AND/OR REPLACE RIGID INLET FILTERS TO ADAPT TO CHANGING CONSTRUCTION SITE CONDITIONS.
4. CLEAN THE RIGID INLET PROTECTION FILTER MATERIAL WHEN IT BECOMES COVERED OR CLOGGED WITH DEPOSITED SEDIMENT.
5. REPLACE THE RIGID INLET PROTECTION FILTER MATERIAL AS DIRECTED BY THE ENGINEER.

PLAN SYMBOL

D

GENERAL NOTES

INLET PROTECTION TYPE D (RIGID INLET FILTERS)

SOUTH CAROLINA DEPARTMENT OF PUBLIC HEALTH
SOUTH CAROLINA DHEC STORM WATER MANAGEMENT BMP FIELD MANUAL [PAGE 2-37]

South Carolina 811 Call 811 Before You Dig

CRANSTON

SOUTH CAROLINA Cranston Engineering Group NO. C00575 CERTIFICATE OF AUTHORIZATION

PERMIT SET
NOT FOR CONSTRUCTION

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER NO.24749 MATTHEW E. RANDALL
2/28/2024

REV #	DATE	DESCRIPTION

PRITCHARD STREET STREETSCAPE

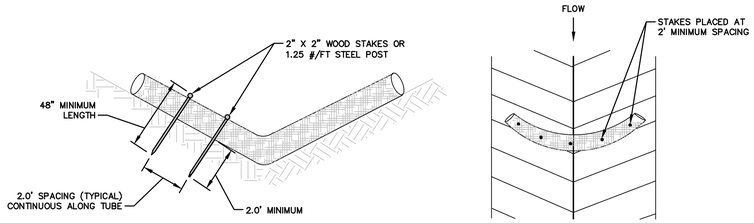
DEMOLITION & SWPPP DETAILS

DRAWN BY:	PAG
CHECKED BY:	MES
APPROVED BY:	MES
DATE:	2/28/2024
SCALE:	NO SCALE
JOB No.	2021-0735
DRAWING No.	C3.4

G:\PROJECTS\2021\2021-0735_PRITCHARD STREET DRAINAGE IMPROVEMENTS\CAD-DRAWINGS\CIVIL\2021-0735 PRITCHARD STREET STREETSCAPE FRONT.DWG 2/28/2024 4:31 PM

ATTACHMENT 2

SEDIMENT TUBE INSTALLATION



PLAN SYMBOL

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

SEDIMENT TUBES
SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
STANDARD DRAWING NO. SC-05 [PAGE 1]
N.T.S.

SEDIMENT TUBES - GENERAL NOTES

1. 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.
2. 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.
3. 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.
4. 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.
5. CURLED EXCELSIOR WOOD, OR NATURAL COCONUT PRODUCTS THAT ARE ROLLED UP TO CREATE A SEDIMENT TUBE ARE NOT ALLOWED.
6. 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.
7. 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.
8. THE ENDS OF ADJACENT SEDIMENT TUBES SHOULD BE OVERLAPPED 6-INCHES TO PREVENT FLOW AND SEDIMENT FROM PASSING THROUGH THE FIELD JOINT.
9. SEDIMENT TUBES SHOULD NOT BE STACKED ON TOP OF ONE ANOTHER, UNLESS RECOMMENDED BY MANUFACTURER.
10. EACH SEDIMENT TUBE SHOULD BE INSTALLED IN A TRENCH WITH A DEPTH EQUAL TO 1/5 THE DIAMETER OF THE SEDIMENT TUBE.
11. SEDIMENT TUBES SHOULD CONTINUE UP THE SIDE SLOPES A MINIMUM OF 1-FOOT ABOVE THE DESIGN FLOW DEPTH OF THE CHANNEL.
12. INSTALL STAKES AT A DIAGONAL FACING INCOMING RUNOFF.

SEDIMENT TUBES - INSPECTION & MAINTENANCE

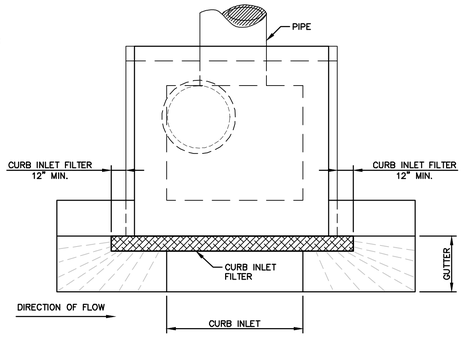
1. THE KEY TO FUNCTIONAL SEDIMENT TUBES IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.
2. REGULAR INSPECTIONS OF SEDIMENT TUBES SHALL BE CONDUCTED ONCE EVERY CALENDAR WEEK AND, AS RECOMMENDED, WITHIN 24-HOURS AFTER EACH RAINFALL EVEN THAT PRODUCES 1/2-INCH OR MORE OF PRECIPITATION.
3. ATTENTION TO SEDIMENT ACCUMULATIONS IN FRONT OF THE SEDIMENT TUBE IS EXTREMELY IMPORTANT. ACCUMULATED SEDIMENT SHOULD BE CONTINUALLY MONITORED AND REMOVED WHEN NECESSARY.
4. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE SEDIMENT TUBE.
5. REMOVED SEDIMENT SHALL BE PLACED IN STOCKPILE STORAGE AREAS OR SPREAD THINLY ACROSS DISTURBED AREA. STABILIZE THE REMOVED SEDIMENT AFTER IT IS RELOCATED.
6. LARGE DEBRIS, TRASH, AND LEAVES SHOULD BE REMOVED FROM IN FRONT OF TUBES WHEN FOUND.
7. 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.
8. 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.

SEDIMENT TUBES
SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
STANDARD DRAWING NO. SC-05 [PAGE 2]
GENERAL NOTES

STANDARD NOTES:

1. 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.
2. 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
   A. WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS. STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
   B. 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.
3. 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.
4. 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 CONTRUCTION 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
10. 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.
11. 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.)
12. 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
13. 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.
14. 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 A REASONABLY POSSIBLE.
15. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
16. 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.
17. 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.
18. INLET PROTECTION SHALL BE PROVIDED AT ALL EXISTING INLETS THAT RECEIVE FLOWS FROM THE DISTURBED AREAS.
19. CONSTRUCTION ENTRANCES SHALL BE PROVIDED AT ALL LOCATIONS WHERE CONSTRUCTION TRAFFIC ACCESSES A PAVED ROADWAY.

TOP VIEW



PLAN SYMBOL

TYPE E
SURFACE COURSE CURB INLET FILTERS
SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
STANDARD DRAWING NO. SC-10 [PAGE 1]
N.T.S.

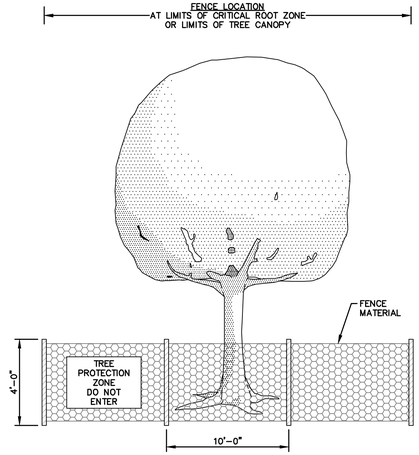
TYPE E - SURFACE COURSE CURB INLET FILTERS GENERAL NOTES

1. ONLY USE SURFACE CURB INLET FILTERS THAT HAVE A MINIMUM HEIGHT OR DIAMETER OF 9-INCHES AND HAVE A MINIMUM LENGTH THAT IS 2-FEET LONGER THAN THE LENGTH OF THE CURB OPENING.
2. SURFACE COURSE INLETS FILTERS THAT ARE DESIGNED TO COMPLETELY BLOCK THE INLET OPENING ARE PROHIBITED. ACCEPTABLE INLET FILTERS SHOULD ALLOW FOR OVERFLOWS TO ENTER THE CATCH BASIN.
3. SURFACE COURSE INLET FILTERS SHOULD BE CONSTRUCTED WITH A SYNTHETIC MATERIAL THAT WILL ALLOW STORMWATER TO FREELY FLOW THROUGH WHILE TRAPPING SEDIMENT AND DEBRIS.
4. STRAW, STRAW FIBER, STRAW BALES, PINE NEEDLES AND LEAF MULCH ARE NOT PERMISSIBLE FILTER MATERIALS.
5. EACH FILTER SHOULD HAVE AGGREGATE COMPARTMENTS FOR STONE, SAND, AND OTHER WEIGHTED MATERIALS OR MECHANISMS TO HOLD THE UNIT IN PLACE. FILL AGGREGATE COMPARTMENTS TO A LEVEL (AT LEAST 1/2 FULL) TO HOLD THE FILTER IN PLACE AND CREATE A SEAL BETWEEN THE FILTER AND THE ROAD SURFACE.
6. USE ONLY TYPE E INLET FILTERS APPEARING ON SC DOT'S QUALIFIED PRODUCTS LISTING (QPL), APPROVAL SHEET #58, OR FILTERS THAT MEETING THE MOST CURRENT EDITION OF THE SC DOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

TYPE E - SURFACE COURSE CURB INLET FILTERS INSPECTION & MAINTENANCE

1. THE KEY TO FUNCTIONAL INLET PROTECTION IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.
2. REGULAR INSPECTIONS OF ALL INLET PROTECTION 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.
3. ATTENTION TO SEDIMENT ACCUMULATIONS IN FRONT OF THE INLET PROTECTION IS EXTREMELY IMPORTANT. ACCUMULATED SEDIMENT SHOULD BE CONTINUALLY MONITORED AND REMOVED WHEN NECESSARY.
4. REMOVE ACCUMULATED SEDIMENT WHEN SILT AND/OR DEBRIS HAS BUILT UP AROUND THE FILTER PREVENTING STORMWATER TO FLOW THROUGH THE FILTER.
5. REMOVED SEDIMENT SHALL BE PLACED IN STOCKPILE STORAGE AREAS OR SPREAD THINLY ACROSS DISTURBED AREA. STABILIZE THE REMOVED SEDIMENT AFTER IT IS RELOCATED.
6. INLET PROTECTION STRUCTURES SHOULD BE REMOVED AFTER THE DISTURBED AREAS ARE PERMANENTLY STABILIZED. REMOVE ALL CONSTRUCTION MATERIAL AND SEDIMENT, AND DISPOSE OF THEM PROPERLY. GRADE THE DISTURBED AREA TO THE ELEVATION OF THE DROP INLET STRUCTURE CREST. STABILIZE ALL BARE AREAS IMMEDIATELY.

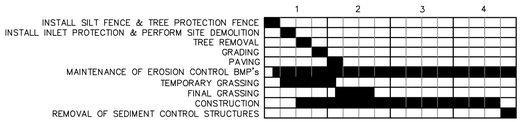
TYPE E
SURFACE COURSE CURB INLET FILTERS
SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
STANDARD DRAWING NO. SC-10 [PAGE 2]
GENERAL NOTES



TREE PROTECTION FENCE DETAIL
N.T.S.

NOTES:
1. INSTALL TREE PROTECTION FENCE AROUND ALL TREES TO REMAIN WITHIN 25' OF ANY PROPOSED GRADING, CONSTRUCTION, OR TREE REMOVALS.
2. TREE PROTECTION ZONE WARNING SIGNAGE SHALL BE INSTALLED ALONG ALL REQUIRED TREE PROTECTION FENCING. SPACING SHALL BE NO MORE THAN 150 FEET APART. EACH SIGN MUST BE A MINIMUM OF TWO FEET BY TWO FEET WITH THE MESSAGE "TREE PROTECTION ZONE: DO NOT ENTER."

MONTHS OF CONSTRUCTION ACTIVITIES



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 THE TOWN OF BLUFFTON 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.

"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

1. SEEDING SCHEDULE: TEMPORARY SEEDING: APRIL 15 – AUGUST 31, BROWNTOP MILLET @ 40 LBS./ACRE. SEPTEMBER 1, – DECEMBER 15, RYE GRAIN @ 56 LBS./ACRE
   PERMANENT SEEDING: APRIL 1 – OCTOBER 15, A MIXTURE OF KENTUCKY 31 FESCUE @ 20 LBS./ACRE AND CREEPING RED FESQUE @ 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.
2. FERTILIZER WILL BE A COMMERCIAL GRADE 10-10-10 INCORPORATED INTO THE SOIL AT A RATE OF 1500 POUNDS/ACRE.
3. 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.
4. ALL SEEDED AREAS WILL BE MULCHED WITH HAY OR STRAW AT A RATE OF 1500 POUNDS/ACRE.
5. SEEDING AND MULCHING MAY BE ACCOMPLISHED IN A SINGLE HYDROSEEDING OPERATION. SEEDED 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 GRAIN SIMULTANEOUSLY.

South Carolina 811 Call 811 Before You Dig

CRANSTON

SOUTH CAROLINA Cranston Engineering Group NO. C00575 CERTIFICATE OF AUTHORIZATION

PERMIT SET
NOT FOR CONSTRUCTION

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER NO.24749 MATTHEW E. RANDALL

2/28/2024

REV #	DATE	DESCRIPTION

PRITCHARD STREET STREETSCAPE

DEMOLITION & SWPPP DETAILS

DRAWN BY:	PAG
CHECKED BY:	MES
APPROVED BY:	MES
DATE:	2/28/2024
SCALE:	NO SCALE
JOB No.	2021-0735
DRAWING No.	C3.5

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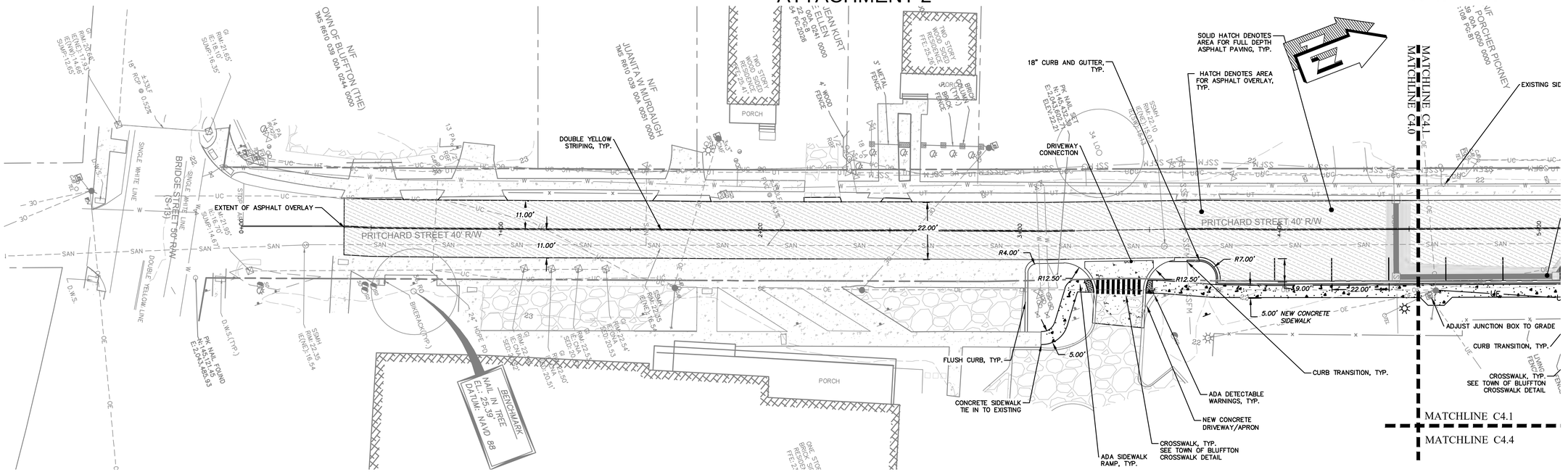

ATTACHMENT 2

PRITCHARD STREET (CENTERLINE)
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=5'

PROPOSED 18" RCP CROSSING

LEGEND

○	PERVIOUS SIDEWALK
⁘	CONCRETE
▩	FULL DEPTH ASPHALT
▨	OVERLAY ASPHALT

CRANSTON

Cranston Engineering Group
NO. C00575

PRELIMINARY
NOT FOR CONSTRUCTION

NO.38607
MEGAN E. SMITH
2/28/2024

REV #	DATE	DESCRIPTION

PRITCHARD STREET STREETSCAPE

PLAN & PROFILES

DRAWN BY: PAG
CHECKED BY: MES
APPROVED BY: MES
DATE: 2/28/2024
SCALE: 1" = 20'
JOB No. 2021-0735
DRAWING No. C4.0

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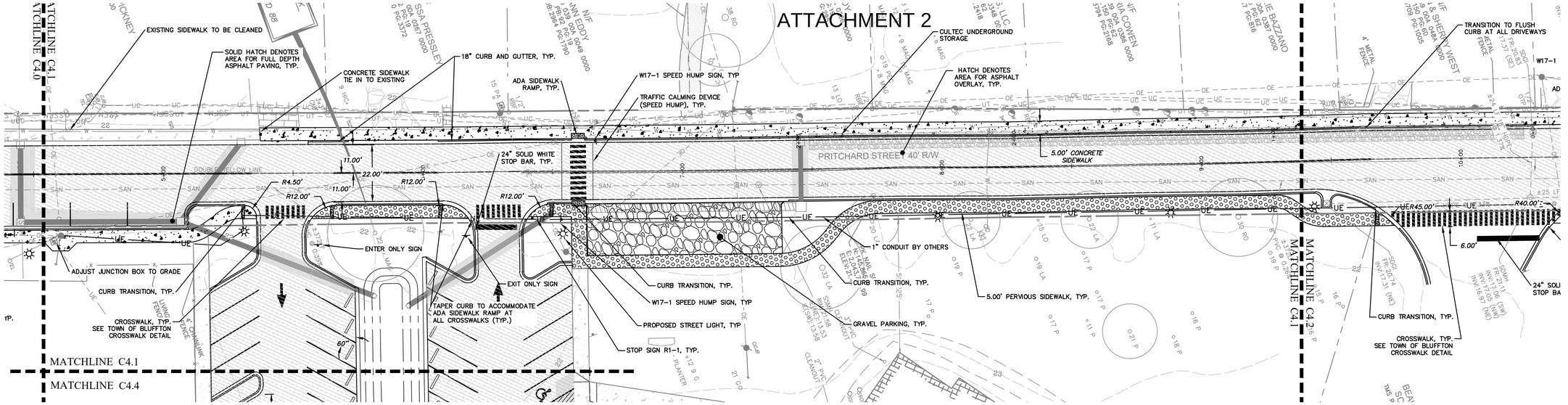
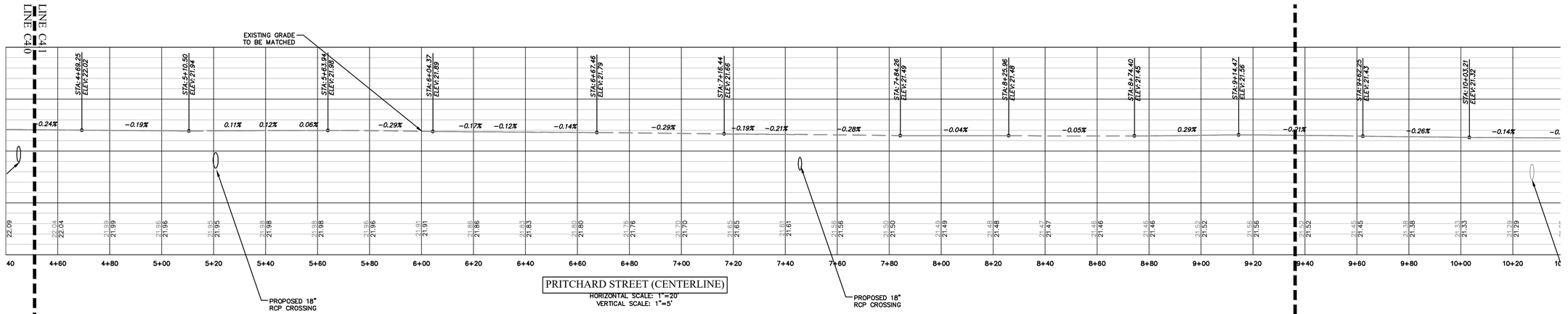
ATTACHMENT 2



PLAN
HORIZONTAL SCALE 1"=20'

SCALE IN FEET
20 10 0 20 40



PRITCHARD STREET (CENTERLINE)
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=5'

LEGEND

- PERVIOUS SIDEWALK
- CONCRETE
- FULL DEPTH ASPHALT
- OVERLAY ASPHALT

CRANSTON

SOUTH CAROLINA
Cranston Engineering Group
NO. C00575
CERTIFICATE OF AUTHORIZATION

PRELIMINARY
NOT FOR CONSTRUCTION

SOUTH CAROLINA
LICENSED PROFESSIONAL ENGINEER
NO.38607
MEGAN E.SMITH

2/28/2024

REV #	DATE	DESCRIPTION

PRITCHARD STREET STREETSCAPE

PLAN & PROFILES

DRAWN BY:	PAG
CHECKED BY:	MES
APPROVED BY:	MES
DATE:	2/28/2024
SCALE:	1" = 20'
JOB No.	2021-0735
DRAWING No.	C4.1

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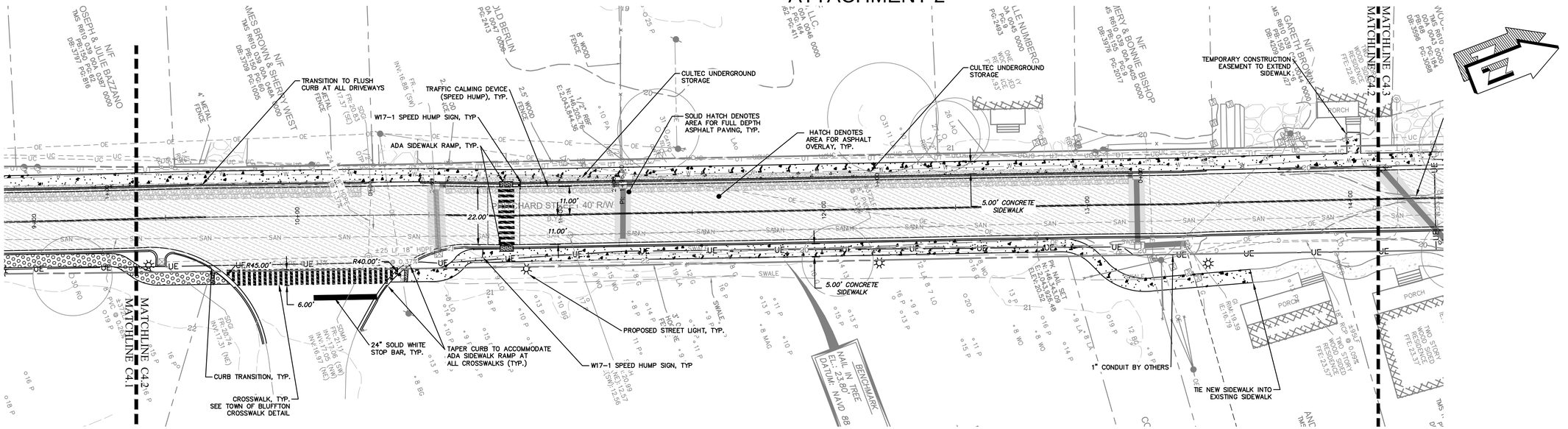

ATTACHMENT 2

PLAN
HORIZONTAL SCALE 1"=20'

LEGEND

▨	PERVIOUS SIDEWALK
☐	CONCRETE
■	FULL DEPTH ASPHALT
▨	OVERLAY ASPHALT

PRITCHARD STREET (CENTERLINE)
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=5'

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CRANSTON

Cranston Engineering Group NO. C00575

PRELIMINARY
NOT FOR CONSTRUCTION

NO.38607 MEGAN E. SMITH
2/28/2024

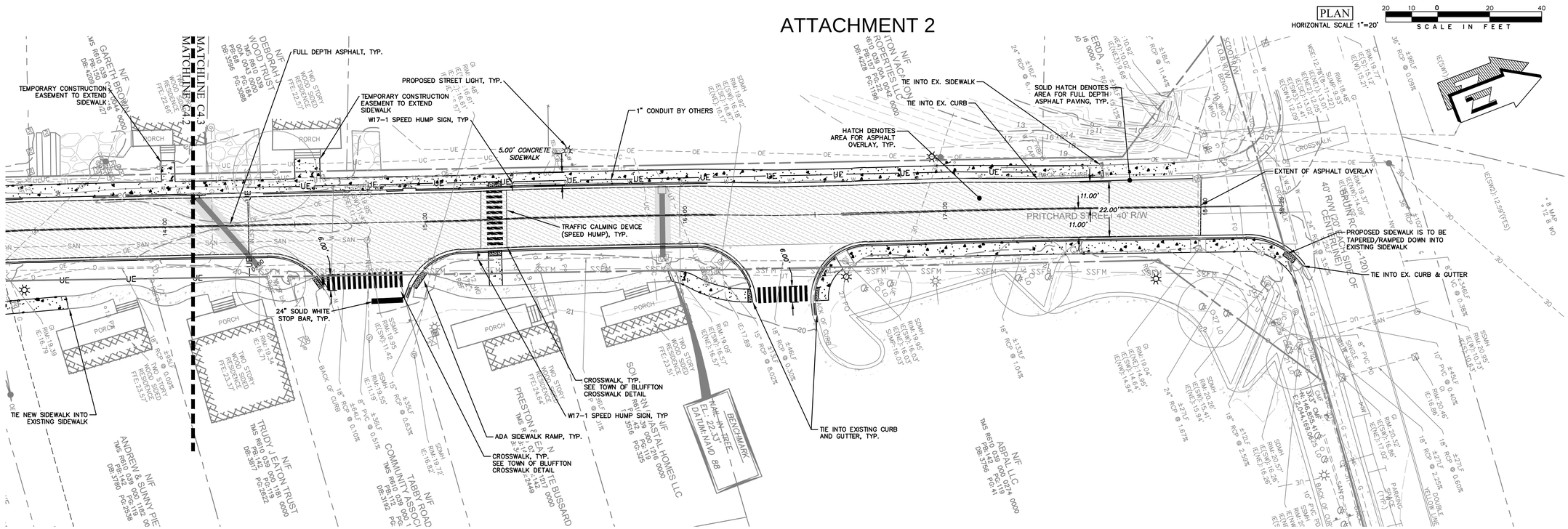
REV #	DATE	DESCRIPTION

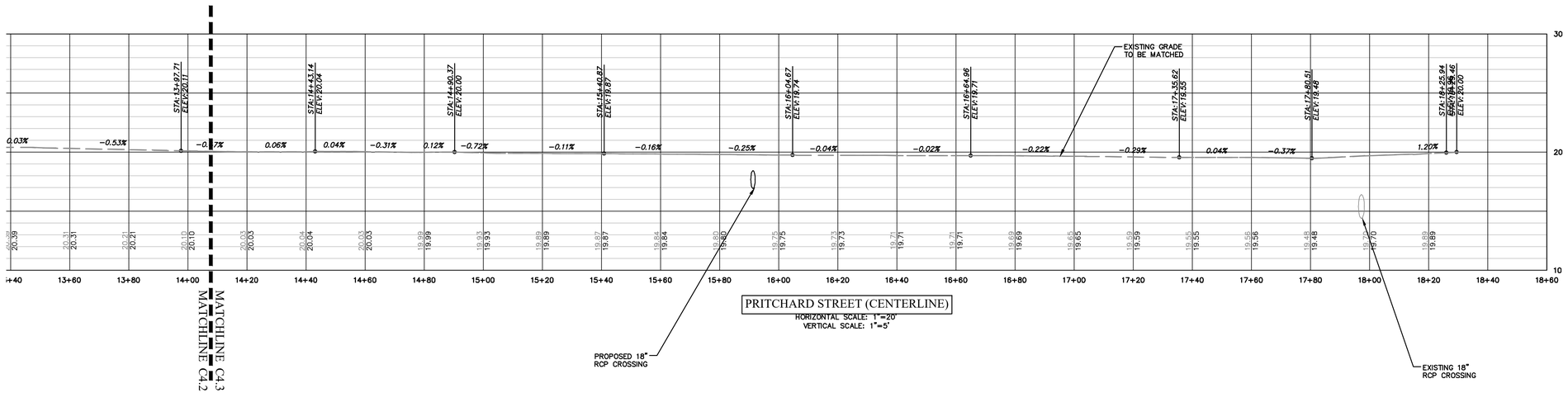
PRITCHARD STREET
STREETSCAPE

PLAN & PROFILES

DRAWN BY:	PAG
CHECKED BY:	MES
APPROVED BY:	MES
DATE:	2/28/2024
SCALE:	1" = 20'
JOB No.	2021-0735
DRAWING No.	C4.2

ATTACHMENT 2





LEGEND

- PERVIOUS SIDEWALK
- CONCRETE
- FULL DEPTH ASPHALT
- OVERLAY ASPHALT

SUMMARY OF PRE / POST PEAK DISCHARGES IN SCDOT RIGHT OF WAY							
Outfall	Total DA (AC)	Total Pavement (Impervious) (AC)	Total Grassed Area (Pervious) (AC)	CN	Q2 (CFS)	Q10 (CFS)	Q25 (CFS)
Pre	0.024	0.0240	0.0000	98	0.072	0.109	0.133
Post	0.024	0.0240	0.0000	98	0.072	0.109	0.133
				Runoff Decrease	0	0	0

"ALL ITEMS IN SECTION 10D OF THE CURRENT ARMS MANUAL FOR BOTH CONSTRUCTION AND POST CONSTRUCTION DESIGN HAVE BEEN STUDIED AND ADDRESSED. ALL NECESSARY BMP'S HAVE BEEN IMPLEMENTED FOR BOTH PHASES (CONSTRUCTION AND POST-CONSTRUCTION) TO AVOID NEGATIVELY IMPACTING IMPAIRED WATERS OF THE SCDOT SYSTEM AND/OR ITS DISCHARGES. ALL REQUIREMENTS IN SECTION 10B OF THE CURRENT ARMS MANUAL FOR POST DEVELOPMENT RELEASE RATES HAVE BEEN MET. THERE WILL BE ZERO INCREASE IN RUNOFF TO SCDOT RIGHT OF WAY."

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CRANSTON

SOUTH CAROLINA Cranston Engineering Group NO. C00575 CERTIFICATE OF AUTHORIZATION

PRELIMINARY NOT FOR CONSTRUCTION

SOUTH CAROLINA PROFESSIONAL ENGINEER NO.38607 MEGAN E.SMITH

2/28/2024

REV #	DATE	DESCRIPTION

PRITCHARD STREET STREETSCAPE

PLAN & PROFILES

DRAWN BY:	PAG
CHECKED BY:	MES
APPROVED BY:	MES
DATE:	2/28/2024
SCALE:	1" = 20'
JOB No.	2021-0735
DRAWING No.	C4.3

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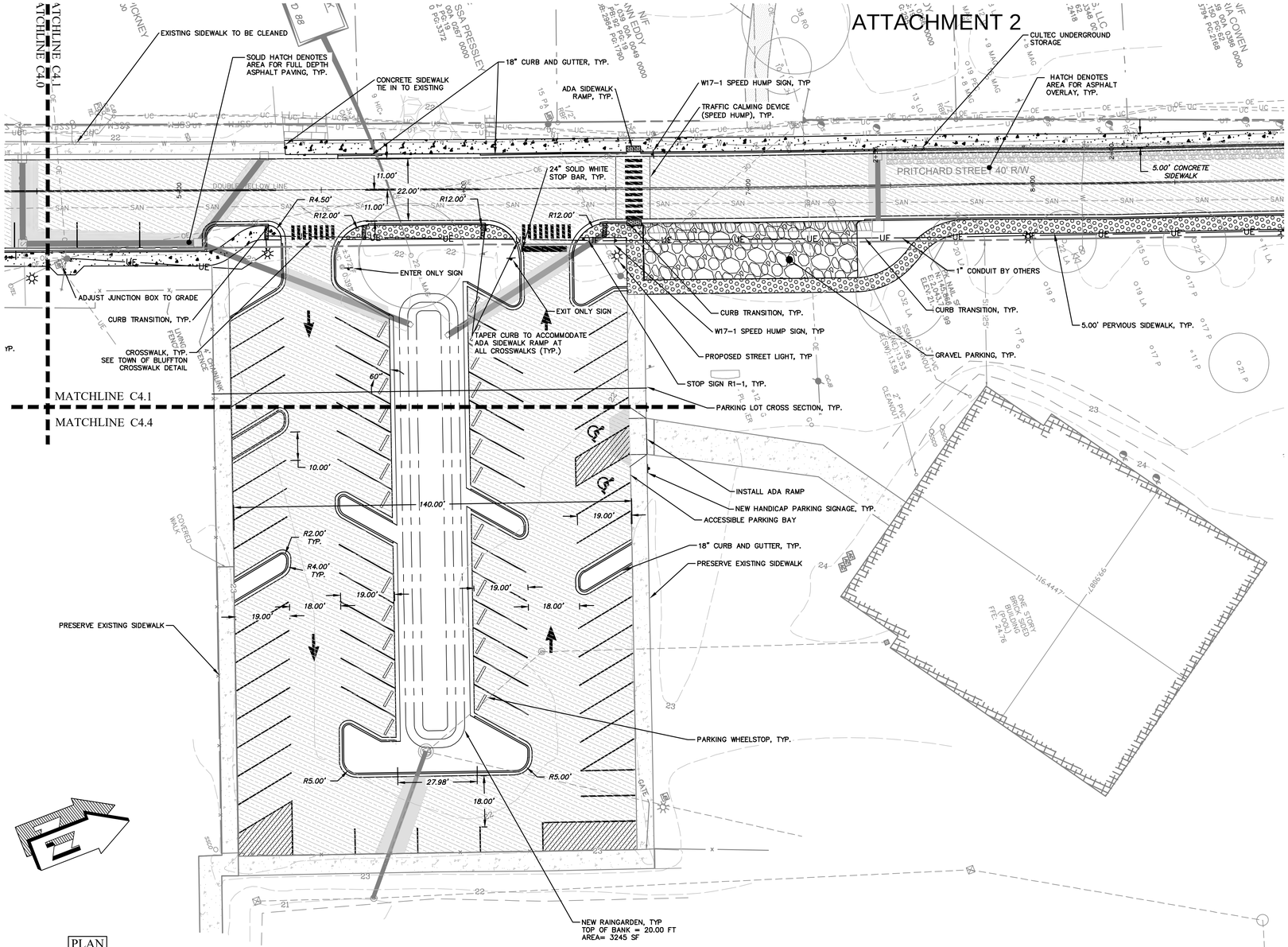
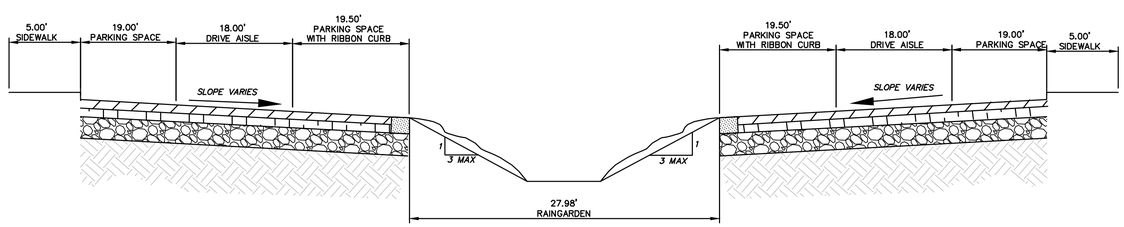


PLAN
HORIZONTAL SCALE 1"=20'
20 10 0 20 40
SCALE IN FEET

LEGEND

- PERVIOUS SIDEWALK
- CONCRETE
- FULL DEPTH ASPHALT
- OVERLAY ASPHALT



PARKING LOT CROSS SECTION
N.T.S.

South Carolina 811 Call 811 Before You Dig.

CRANSTON

SOUTH CAROLINA
Cranston Engineering Group
NO. C00575
CERTIFICATE OF AUTHORIZATION

PRELIMINARY
NOT FOR CONSTRUCTION

SOUTH CAROLINA
LICENSED PROFESSIONAL ENGINEER
NO.38607
MEGAN E.SMITH

2/28/2024

REV #	DATE	DESCRIPTION

PRITCHARD STREET STREETSCAPE

PLAN (PARKING LOT)

DRAWN BY:	PAG
CHECKED BY:	MES
APPROVED BY:	MES
DATE:	2/28/2024
SCALE:	1" = 20'
JOB No.	2021-0735
DRAWING No.	C4.4

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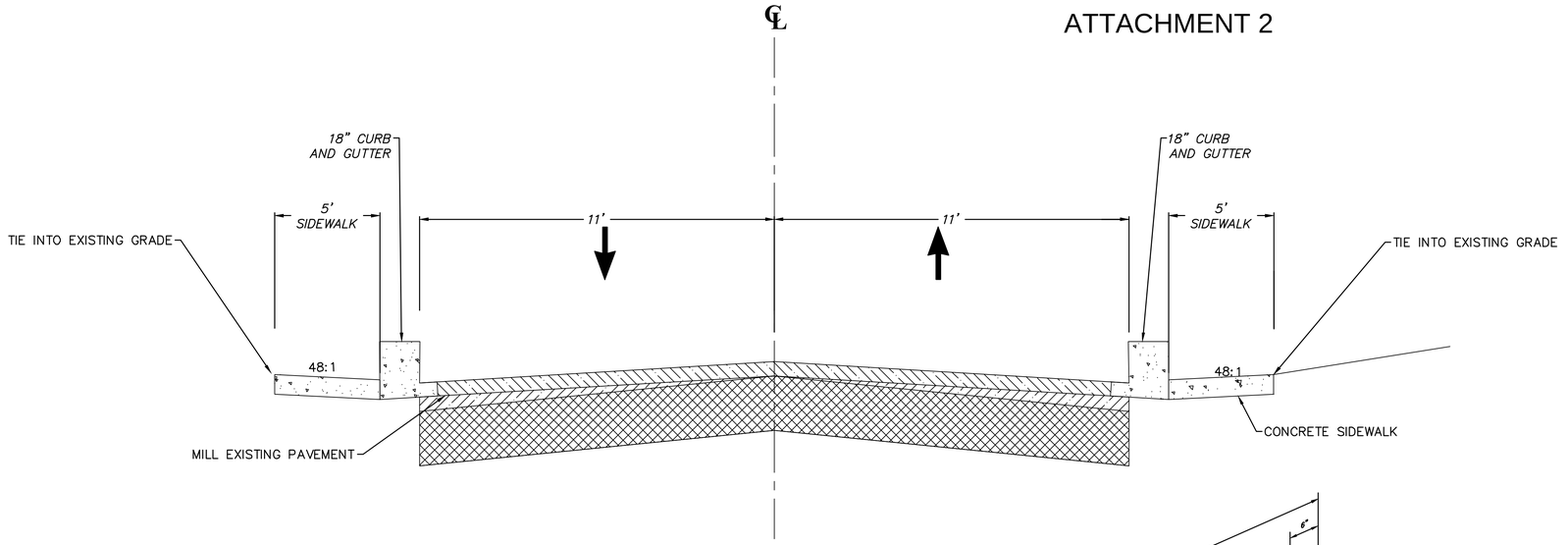
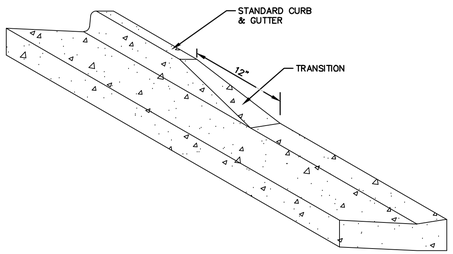
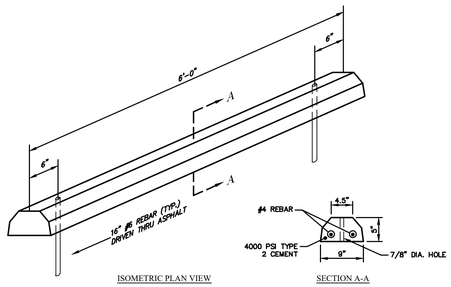
ATTACHMENT 2



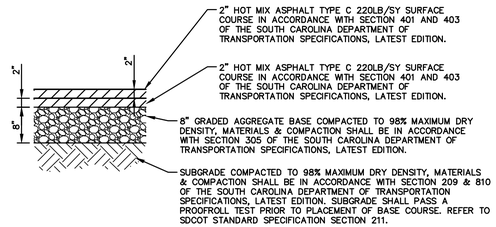
TYPICAL SECTION
N.T.S



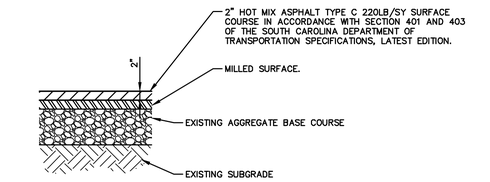
CURB TRANSITION DETAIL
N.T.S.



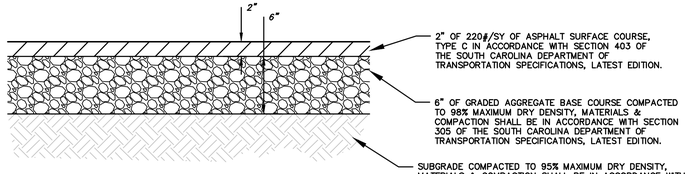
WHEEL STOP
N.T.S.



FULL DEPTH ASPHALT PAVING DETAIL
N.T.S.



ASPHALT OVERLAY PAVING DETAIL
N.T.S.



PARKING PAVING DETAIL - FULL DEPTH
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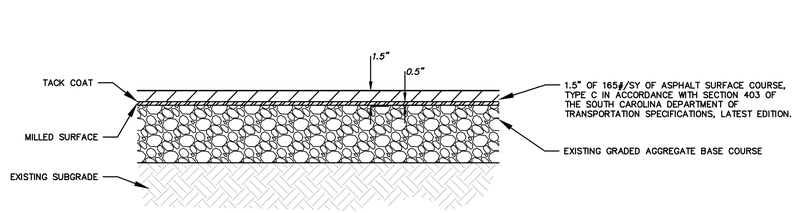

PARKING PAVING DETAIL - OVERLAY
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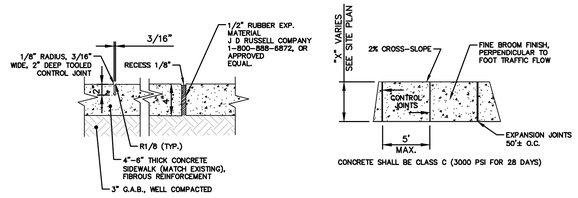
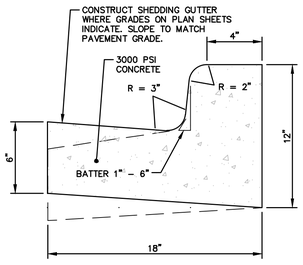


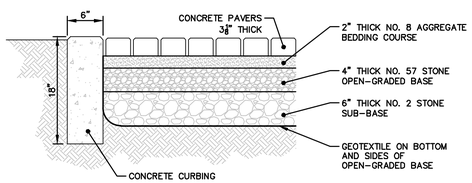
1. SIDEWALK WIDTH IS TYPICALLY 5', HOWEVER, CAN VERY DEPENDING ON LOCATION, SEE PLAN SHEETS.
2. CONTROL JOINTS ON CENTER SPACING TO EQUAL WIDTH OF SIDEWALK.
3. EXPANSION JOINTS TO BE INSTALLED EVERY 50'± AND AT ALL RIGID CONNECTIONS.
4. JOINTS IN CURB & GUTTER SHALL ALIGN WITH CORRESPONDING JOINTS IN SIDEWALK WHERE ADJOINING.

SIDEWALK - TYPICAL SECTION
N.T.S.

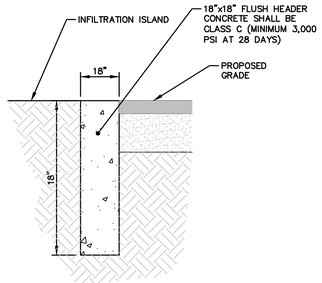


1. CONTROL JOINTS TO BE SCORED EVERY 10' MAX.
2. EXPANSION JOINTS TO BE INSTALLED EVERY 50'± AND AT ALL RIGID CONNECTIONS.
3. JOINTS IN CURB & GUTTER SHALL ALIGN WITH CORRESPONDING JOINTS IN SIDEWALK WHERE ADJOINING.

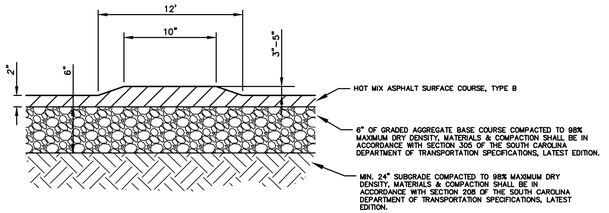
18" CURBING DETAIL
N.T.S



PERVIOUS CONCRETE PAVERS DETAIL
N.T.S.



HEADER CURB DETAIL
N.T.S.



ASPHALT SPEED HUMP DETAIL
N.T.S.

SPEED HUMP WIDTH SHALL NOT ENCROACH ONTO CURB AND GUTTER AND ALLOW FOR POSITIVE DRAINAGE

CRANSTON

SOUTH CAROLINA Cranston Engineering Group NO. C00575 CERTIFICATE OF AUTHORIZATION

PRELIMINARY
NOT FOR CONSTRUCTION

SOUTH CAROLINA PROFESSIONAL ENGINEER NO.38607 MEGAN E. SMITH

2/28/2024

REV #	DATE	DESCRIPTION

PRITCHARD STREET STREETSCAPE

SITE DETAILS

DRAWN BY:	PAG
CHECKED BY:	MES
APPROVED BY:	MES
DATE:	2/28/2024
SCALE:	1" = 20'
JOB No.	2021-0735
DRAWING No.	C4.5

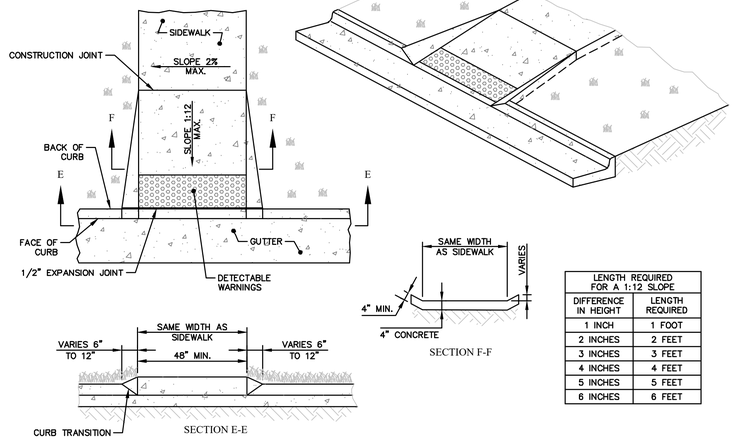
South Carolina 811 Call 811 Before You Dig

G:\PROJECTS\2021\2021-0735_PRITCHARD STREET DRAINAGE IMPROVEMENTS\AC-DRAWINGS\CIVIL\2021-0735 PRITCHARD STREET STREETSCAPE SITE.DWG 2/28/2024 4:31 PM

ATTACHMENT 2

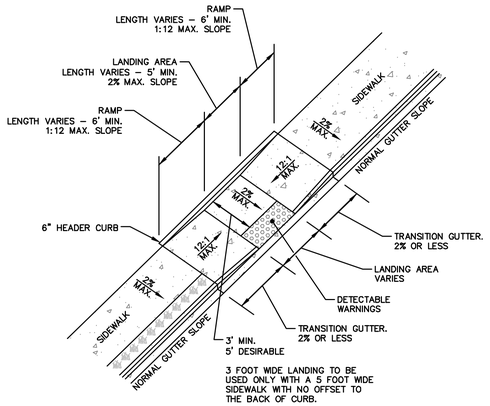
IN AREAS WHERE THE GUTTER HAS A SLOPE OF 1" IN 1', END NORMAL GUTTER SLOPE AT DISTANCE TO 6 TO 10 FEET FROM THE RAMP AND BEGIN TRANSITION TO A FLAT GUTTER SLOPE. NORMAL GUTTER SLOPE SHALL BE RESUMED AT SIMILAR DISTANCE BEYOND THE RAMP.

NORMALLY USED WHEN THE SIDEWALK TIES DIRECTLY INTO THE CROSSWALK



LENGTH REQUIRED FOR A 1:12 SLOPE	
DIFFERENCE IN HEIGHT	LENGTH REQUIRED
1 INCH	1 FOOT
2 INCHES	2 FEET
3 INCHES	3 FEET
4 INCHES	4 FEET
5 INCHES	5 FEET
6 INCHES	6 FEET

TYPE D ADA RAMP DETAIL
N.T.S.



TYPE B ADA RAMP DETAIL
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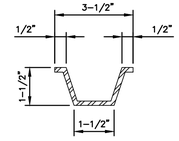
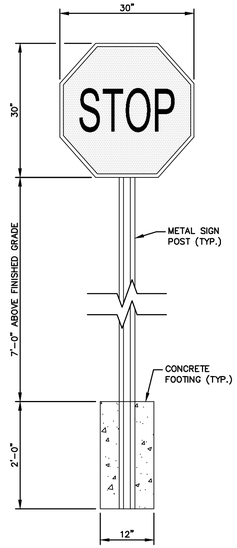
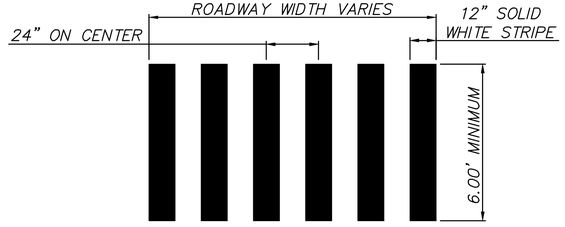


METAL SIGN POST

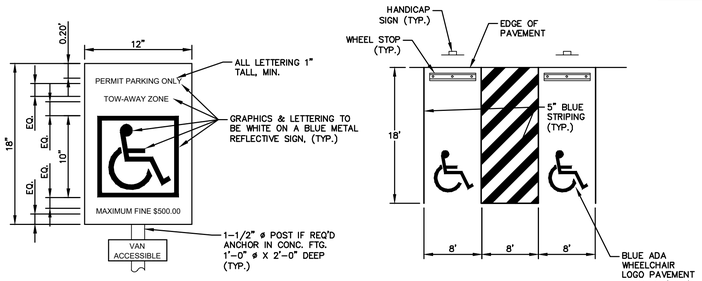
COLORS:
BACKGROUND – RED
LETTERING – WHITE
BORDER – WHITE



STOP SIGN
N.T.S.



CROSSWALK STRIPING DETAIL
N.T.S.



HANDICAP PARKING
N.T.S.

NOTE:
1. EACH PARKING SPACE DESIGNATED AS ACCESSIBLE FOR THE DIABLED MUST BE MARKED WITH AN APPROPRIATE SIGN, MOUNTED IN CLEAR VIEW FOR MOTORISTS. A HEIGHT OF AT LEAST 60 INCHES, MEASURED FROM THE GROUND TO THE BOTTOM EDGE OF THE SIGN, IS RECOMMENDED.

REFERENCES

SIGNING AND MARKING ENGINEER

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER NO. 29076 CLIFTON J. SELLERS

Clifton J. Sellers 13:54:36 -05'00'
SIGNATURE

DATE

#	DATE	CHK	DESCRIPTION
6			
5			
4			
3			
2			
1	5-23-2022	GEM	MODIFIED HVC LAYOUT
0			

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING

STANDARD MARKINGS FOR INTERSECTIONS

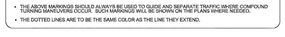
625-305-00
EFFECTIVE LETTING DATE: JULY 2022

PAVEMENT MARKING TYPICAL
STANDARD MARKINGS FOR INTERSECTIONS

ADDITIONAL GUIDANCE THROUGH INTERSECTIONS

DOTTED LINES

- THE PATTERN ILLUSTRATED BELOW IS TO BE USED TO EXTEND MARKINGS THROUGH LARGE INTERSECTIONS WHERE ADDITIONAL GUIDANCE IS NEEDED.



- THE ABOVE MARKINGS SHOULD ALWAYS BE USED TO GUIDE AND SEPARATE TRAFFIC WHERE COMPOUND TURNING MANEUVERS OCCUR. SUCH MARKINGS WILL BE SHOWN ON THE PLANS WHERE NEEDED.
- THE DOTTED LINES ARE TO BE THE SAME COLOR AS THE LINE THEY EXTEND.

APPLICATION OF MARKINGS AT INTERSECTIONS

1. STOP LINES ARE TO BE APPLIED AT ALL SIGNALIZED INTERSECTIONS.
2. AT NON-SIGNALIZED INTERSECTIONS, THE ROADWAYS WHICH MUST STOP ARE TO HAVE STOPLINES.
3. WHERE STOPLINES ARE USED, LANE LINES AND CENTER LINES WILL TERMINATE AT THE STOPLINE. THEY DO NOT EXTEND ACROSS STOPLINES NOR DO THEY TERMINATE PRIOR TO STOPLINES. LOCATION OF STOPLINES SHOULD BE DETERMINED PRIOR TO MARKING LONGITUDINAL LINES.
4. LANE LINES TERMINATING AT A STOPLINE SHOULD NOT BE LESS THAN 10 FEET IN LENGTH, HOWEVER THEY MAY BE LONGER. THE LAST LANE LINE WILL BE 10-40 FEET LONG.

*** THE FOLLOWING PROCEDURE WILL AID IN THIS DETERMINATION:***

a. MARK A SPOT 80 FEET IN ADVANCE OF STOPLINE OF EACH LANE LINE APPROACH.

b. IF A LINE IS BEING APPLIED WHEN THE SPOT IS CROSSED, THE STRIPPER OPERATOR PERMITS AUTOMATIC CUT-OFF AND THE FOLLOWING 80-GAP. WHEN THE NEXT LINE BEGINS, THE STRIPER OPERATOR WILL MANUALLY OVERRIDE THE AUTOMATIC CUT-OFF AND WILL EXTEND THE LINE TO THE STOPLINE.

c. IF A LINE IS NOT BEING APPLIED WHEN THE SPOT IS CROSSED, WHEN THE NEXT LINE BEGINS THE STRIPER OPERATOR WILL MANUALLY OVERRIDE THE AUTOMATIC CUT-OFF AND WILL EXTEND THIS LINE TO THE STOPLINE.

5. AT ALL INTERSECTIONS, LANE LINES WILL NORMALLY BE OMITTED WITHIN THE INTERSECTION AREA WHERE TURNING VEHICLES MUST MANEUVER.

CROSSWALKS

- AT A MINIMUM, CROSSWALKS ARE TO BE MARKED WITH 6" WHITE LINES, SPACED NO LESS THAT 6' APART.
- FOR HIGH VISIBILITY CROSSWALK (HVC) LINES AT SIGNALIZED/UNCONTROLLED CROSSINGS, THE 6" WHITE LINES SHOULD BE SPACED NO LESS THAN 6' APART(CENTER TO CENTER).
- THE 24" TRANSVERSE LINES IN THE HVC MAY BE SKEWED TO PARALLEL ORIENTATION PARALLEL TO THE LANE LINES OF THE TRAVELLED WAY.
- NON-INTERSECTION CROSSWALKS ARE GENERALLY UNEXPECTED BY THE ROAD USER. THEREFORE, WARNING SIGNS SHOULD BE PLACED IN ADVANCE OF UNSIGNALIZED CROSSWALKS AT NON-INTERSECTION LOCATIONS AND ACCELERATE VISIBILITY SHOULD BE PROVIDED BY PARKING PROHIBITIONS.

DOTTED EDGELINES

- DOTTED EDGELINES SHOULD BE PLACED ACROSS THE STOP APPROACH AT NOT LESS OF ALL INTERSECTIONS WITH PUBLIC ROADWAYS.
- DOTTED EDGELINES SHOULD ALSO BE USED FOR TURN BAY EXTENSIONS AND CHANNELIZATION AT MEDIAN OPENINGS.

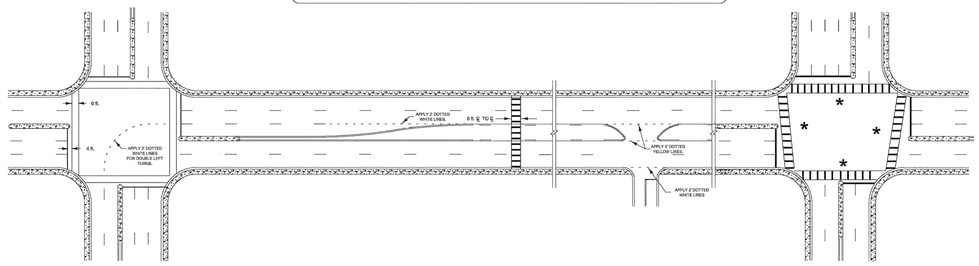
STOPLINES

- ALL STOPLINES ARE TO BE MARKED WITH 24" SOLID WHITE LINES.
- WHERE CROSSWALK MARKINGS EXIST, STOPLINES SHOULD BE PLACED IN ADVANCE OF, AND PARALLEL TO, THE NEARER CROSSWALK LINE. A MINIMUM DISTANCE OF 4' SHOULD EXIST BETWEEN THE CROSSWALK AND STOPBAR.

IN THE ABSENCE OF A MARKED CROSSWALK, THE STOPLINE SHOULD BE PLACED AT:
- A DISTANCE OF NO LESS THAN 4 FEET AND NO MORE THAN 30 FEET FROM THE NEAREST EDGE OF THE INTERSECTING ROADWAY. IDEALLY, THE STOPLINE SHOULD BE PLACED AT A DISTANCE OF 6 TO 10 FEET IN ADVANCE OF THE MARKLINE TO MAXIMIZE SIGHT DISTANCE TO CROSSING TRAFFIC.

ARROWS AND WORD MESSAGES

- ARROWS AND WORD MESSAGES ARE NOT TYPICAL AT ALL TURN LANES AND WILL BE PLACED ONLY AT LOCATIONS SHOWN ON THE PLANS OR WHERE DIRECTED BY THE ENGINEER.
- WHERE ARROWS SUPPLEMENT SIGNS TO PROHIBIT A MOVEMENT THAT WOULD OTHERWISE BE LEGAL FROM THAT LANE, THE ARROW MUST BE ACCOMPANIED BY THE WORD ONLY.
- ALL ARROWS AND WORD MESSAGES SHALL BE AS INDICATED ON STANDARD DRAWINGS 635-910-00.



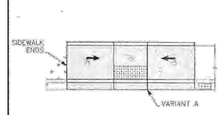
STANDARD INTERSECTION LAYOUT

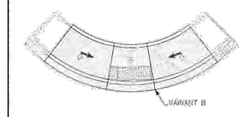
SEE STD. 625-305-01 FOR HIGH VISIBILITY CROSSWALK LAYOUT DETAILS

SKEWED INTERSECTION - HIGH VISIBILTY CROSSWALK

PARALLEL RAMP VARIANTS WITH 5'-0" SIDEWALK

SEE 720-951-11

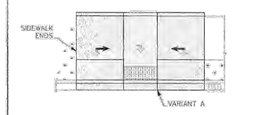


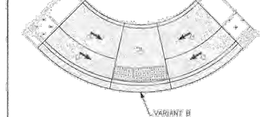


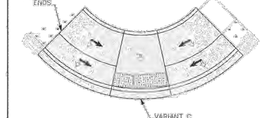
DETAIL 1
SCALE: 3/32" = 1'-0"
STANDARD DRAWING 720-951-11
PARALLEL RAMP VARIANTS
NO GRASS STRIP
SEE 720-901-03 FOR SYMBOLS

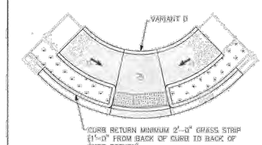
PARALLEL RAMP VARIANTS WITH 5'-0" SIDEWALK

SEE 720-961-11





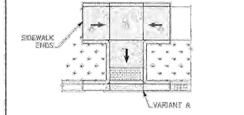


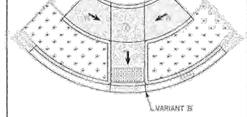


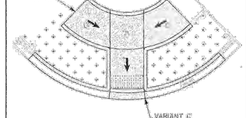
DETAIL 2
SCALE: 3/32" = 1'-0"
STANDARD DRAWING 720-961-11
PARALLEL RAMP VARIANTS
WITH 3'-0" MAXIMUM GRASS STRIP
SEE 720-901-03 FOR SYMBOLS

COMBINED RAMP VARIANTS WITH 5'-0" SIDEWALK

SEE 720-971-24



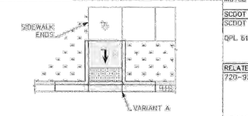


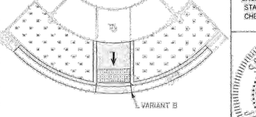


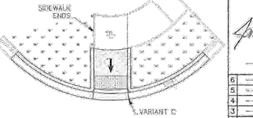
DETAIL 3
SCALE: 3/32" = 1'-0"
STANDARD DRAWING 720-971-24
COMBINED RAMP VARIANTS
WITH 3'-0" TO 6'-0" MAXIMUM GRASS STRIP
SEE 720-901-03 FOR SYMBOLS

PERPENDICULAR RAMP VARIANTS WITH 5'-0" SIDEWALK

SEE 720-981-36







DETAIL 4
SCALE: 3/32" = 1'-0"
STANDARD DRAWING 720-981-36
PERPENDICULAR RAMP VARIANTS
WITH 6'-0" OR LARGER GRASS STRIP
SEE 720-901-03 FOR SYMBOLS

REFERENCES

NATIONAL DOCUMENTS
REVISED DRAFT GUIDELINES FOR ACCESSIBLE PUBLIC RIGHTS-OF-WAY NOVEMBER, 2005
MUTCD 2009
SCDOT DOCUMENTS
SCDOT TRANSITION PLAN
QPL 61
RELATED DRAWINGS & KEYWORDS
720-929-01

THIS DRAWING IS ONLY VALID FOR CONSTRUCTION WHEN SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA. CHECK WWW.SCDOT.ORG FOR LATEST UPDATE.

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER NO. 21242 JAMES W. KENDALL JR.

SIGNATURE

9.27.2012
DATE

#	DATE	CHK	DESCRIPTION
6			
5			
4			
3			
2			
1			
0	1/13	BSG	NEW DRAWING

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING

PEDESTRIAN RAMP STANDARD VARIANTS

720-929-02
EFFECTIVE LETTING DATE: JANUARY, 2013

THIS DRAWING IS NOT TO SCALE

South Carolina 811 Call 811 Before You Dig

CRANSTON

SOUTH CAROLINA Cranston Engineering Group NO. C00575 CERTIFICATE OF AUTHORIZATION

PRELIMINARY
NOT FOR CONSTRUCTION

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER NO.38607 MEGAN E. SMITH

2/28/2024

#	DATE	DESCRIPTION

PRITCHARD STREET STREETSCAPE

SITE DETAILS

DRAWN BY:	PAG
CHECKED BY:	MES
APPROVED BY:	MES
DATE:	2/28/2024
SCALE:	1" = 20'
JOB No.	2021-0735
DRAWING No.	C4.6

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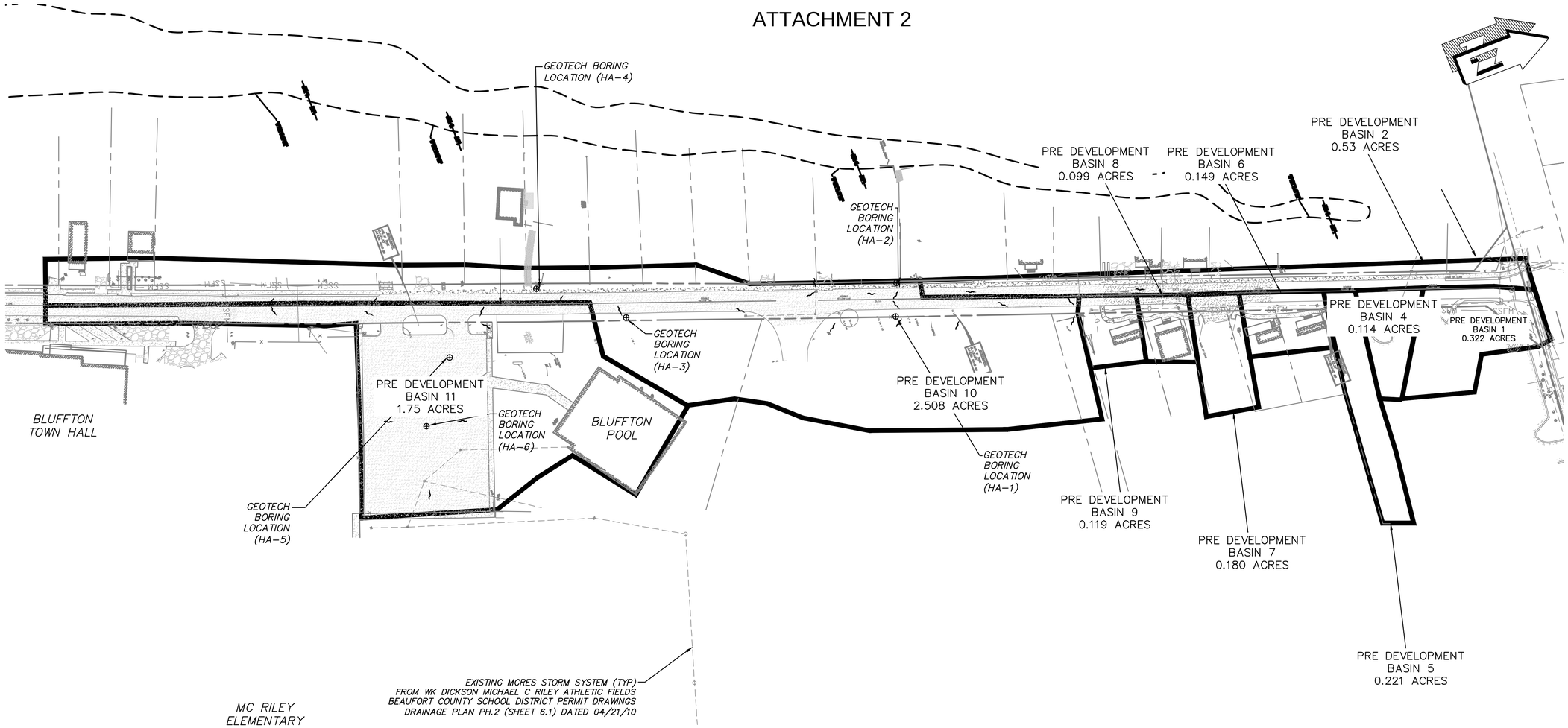
ATTACHMENT 2



PLAN
HORIZONTAL SCALE 1"=60'

60 30 0 60 120
SCALE IN FEET

South Carolina 811 Call 811 Before You Dig

CRANSTON

SOUTH CAROLINA Cranston Engineering Group NO. C00575 CERTIFICATE OF AUTHORIZATION

PRELIMINARY
NOT FOR CONSTRUCTION

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER NO:24749 MATTHEW E. RANDALL
2/28/2024

REV #	DATE	DESCRIPTION

PRITCHARD STREET STREETSCAPE

EXISTING DRAINAGE BASINS

DRAWN BY:	PAG
CHECKED BY:	MES
APPROVED BY:	MES
DATE:	2/28/2024
SCALE:	1" = 60'
JOB No.	2021-0735
DRAWING No.	C5.0

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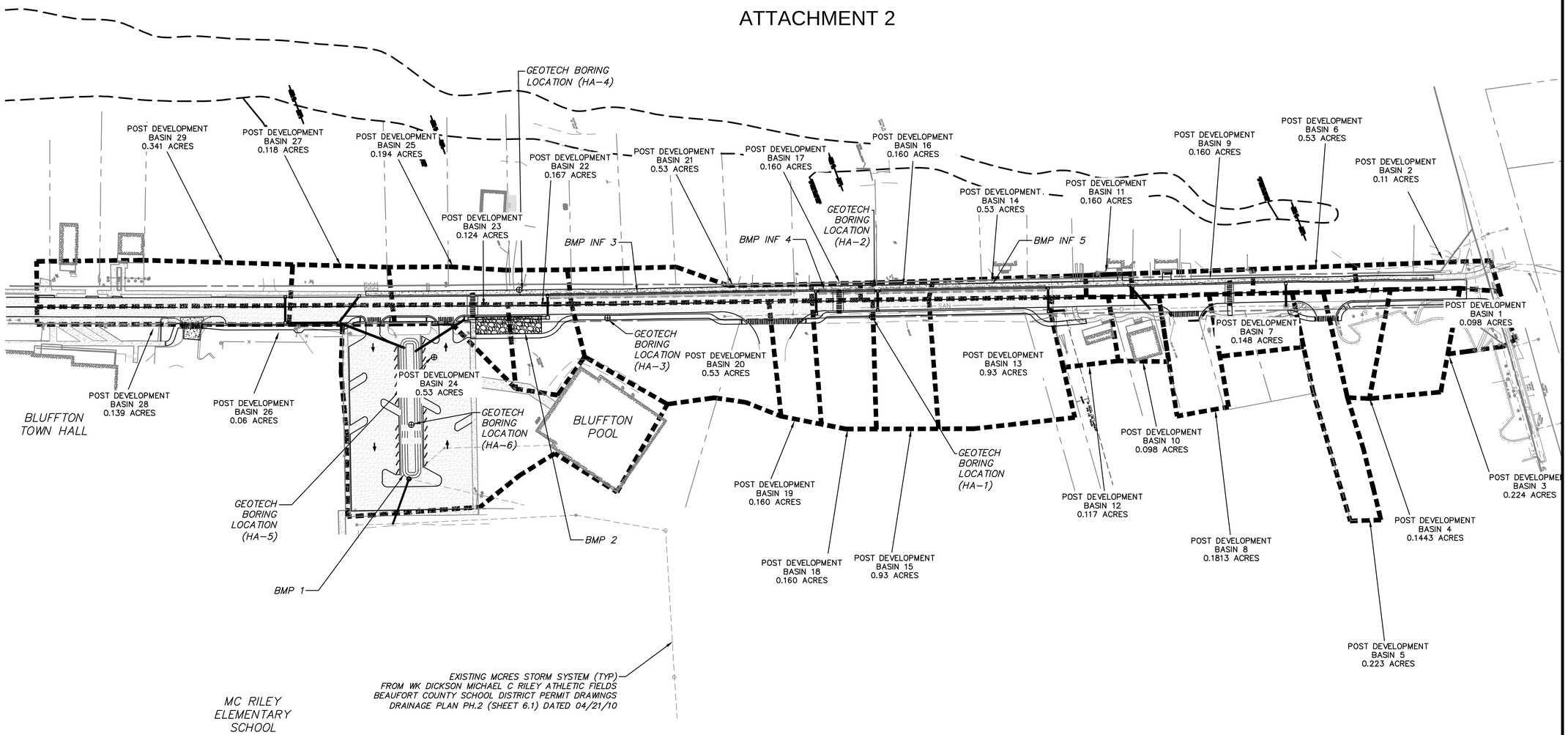
ATTACHMENT 2



PLAN
HORIZONTAL SCALE 1"=60'

60 30 0 60 120
SCALE IN FEET

South Carolina 811 Call 811 Before You Dig

G:\PROJECTS\2021\2021-0735_PRITCHARD STREET DRAINAGE IMPROVEMENTS\AC-DRAWINGS\CIVIL\2021-0735 PRITCHARD STREET STREETSCAPE BASINS.DWG 2/28/2024 4:32 PM

CRANSTON

SOUTH CAROLINA
Cranston Engineering Group
NO. C00575
CERTIFICATE OF AUTHORIZATION

PRELIMINARY
NOT FOR CONSTRUCTION

SOUTH CAROLINA
LICENSED PROFESSIONAL ENGINEER
NO:24749
MATTHEW E. RANDALL
2/28/2024

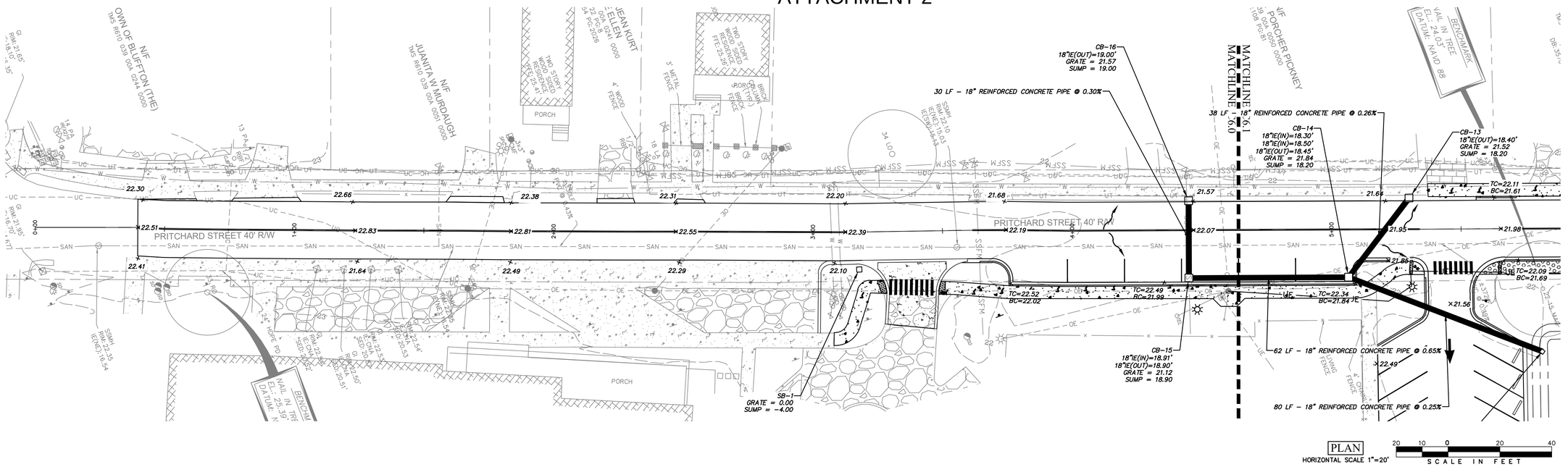
REV #	DATE	DESCRIPTION

PRITCHARD STREET STREETSCAPE

PROPOSED DRAINAGE BASINS

DRAWN BY:	PAG
CHECKED BY:	MES
APPROVED BY:	MES
DATE:	2/28/2024
SCALE:	1" = 60'
JOB No.	2021-0735
DRAWING No.	C5.1

ATTACHMENT 2



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SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER NO.24749 MATTHEW E. RANDALL

2/28/2024

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PRITCHARD STREET STREETSCAPE

GRADING & DRAINAGE PLAN

DRAWN BY:	PAG
CHECKED BY:	MES
APPROVED BY:	MES
DATE:	2/28/2024
SCALE:	1" = 20'
JOB No.	2021-0735
DRAWING No.	C6.0

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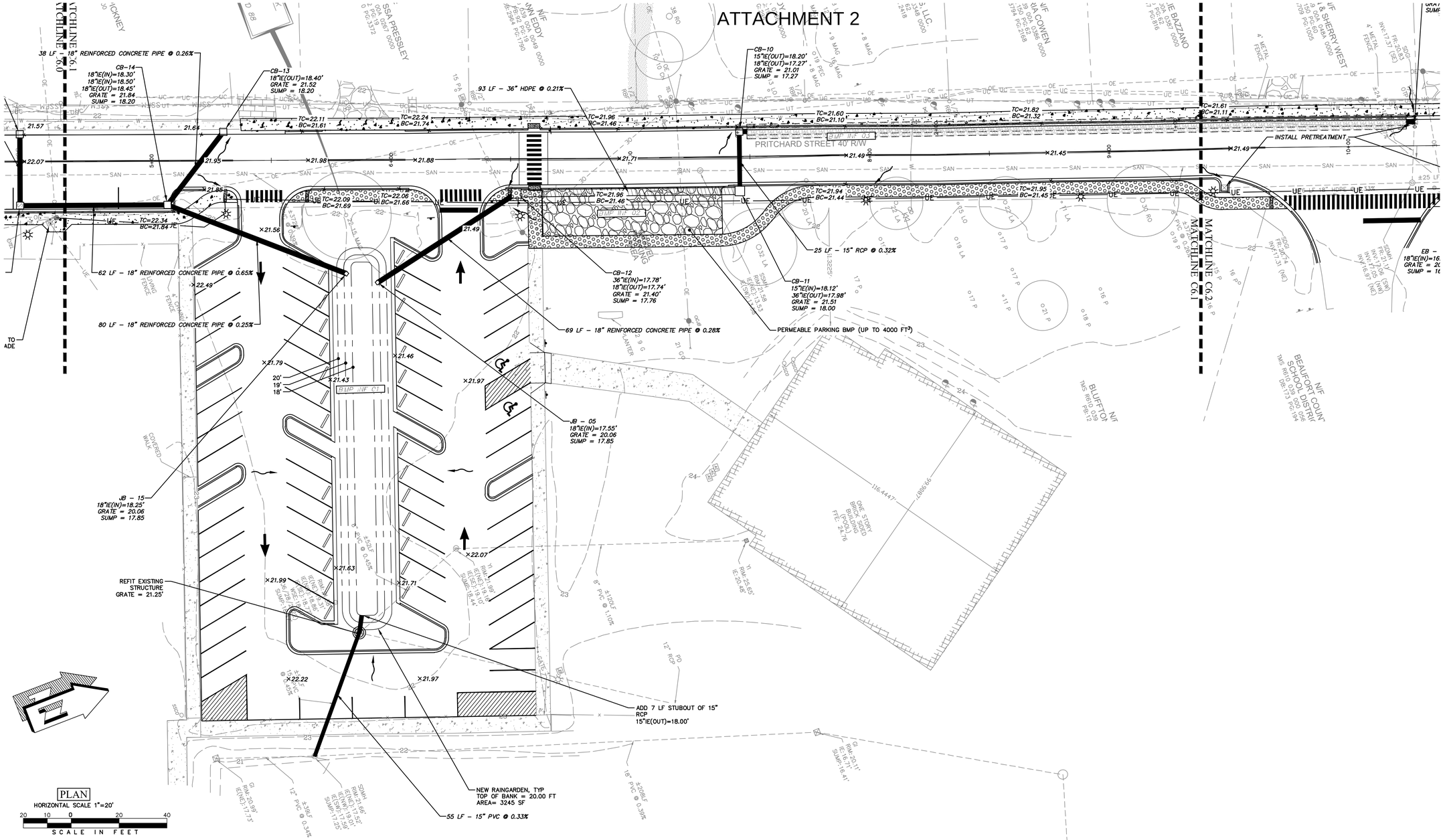
G:\PROJECTS\2021\2021-0735_PRITCHARD STREET DRAINAGE IMPROVEMENTS\AC-DRAWINGS\CIVIL\2021-0735 PRITCHARD STREET STREETSCAPE STORM.DWG 2/28/2024 4:32 PM

ATTACHMENT 2



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PRITCHARD STREET
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GRADING & DRAINAGE PLAN

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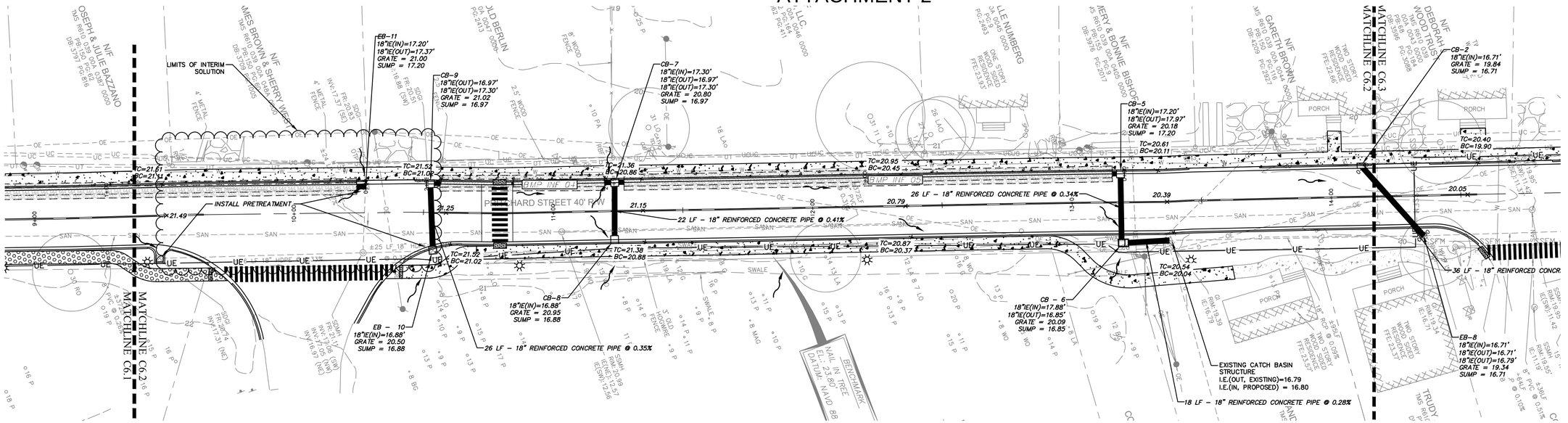
APPROVED BY:	MES
DATE:	2/28/2024
SCALE:	1" = 20'
JOB No.	2021-0735
DRAWING No.	C6.1

ATTACHMENT 2

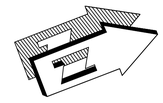


INTERIM SOLUTION NOTES:

1. DUE TO EXISTING DRAINAGE ISSUES/CONCERNS, THE PROJECT ELEMENTS CONSISTING OF CB-09, SB-10, SB-14, AND NECESSARY CONNECTING PIPES (TWO PIPES CONSISTING OF ~127LF OF 18" RCP, HP, OR HDPE) MAY BE INSTALLED PRIOR TO SECTION 319 GRANT FUNDING AND MAY NOT BE SUBJECT TO OR ELIGIBLE FOR GRANT FUNDING.

PLAN
HORIZONTAL SCALE 1"=20'

20 10 0 20 40
SCALE IN FEET



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PRITCHARD STREET STREETSCAPE

GRADING & DRAINAGE PLAN

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APPROVED BY:	MES
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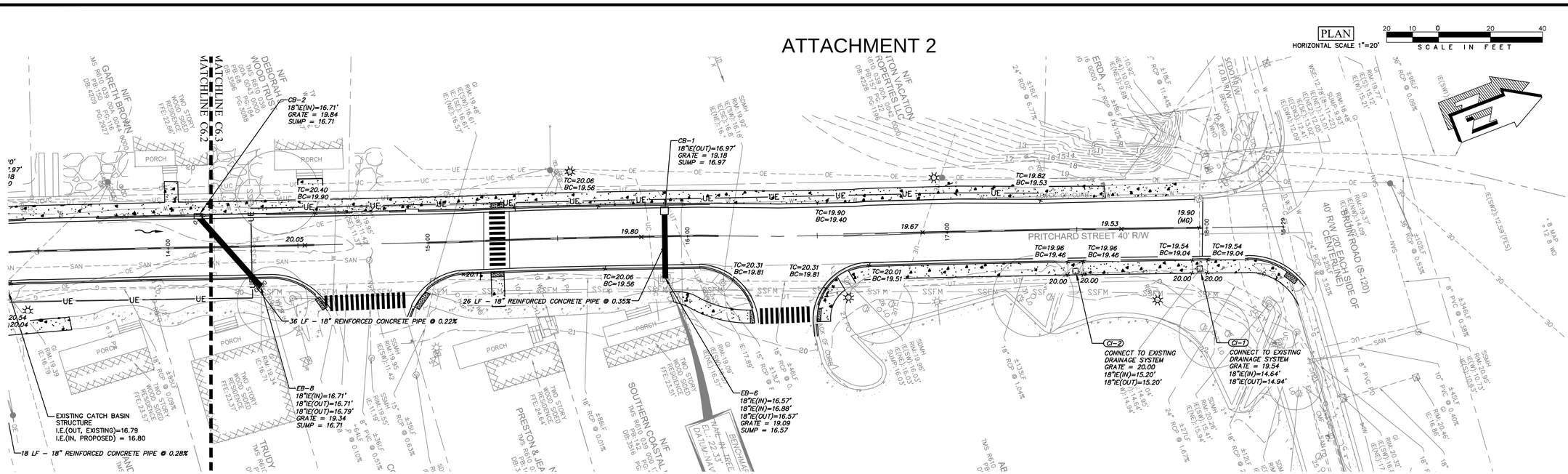
SCALE:	1" = 20'
JOB No.	2021-0735
DRAWING No.	C6.2

G:\PROJECTS\2021\2021-0735_PRITCHARD STREET DRAINAGE IMPROVEMENTS\AC-DRAWINGS\CIVIL\2021-0735 PRITCHARD STREET STREETSCAPE STORM.DWG 2/28/2024 4:32 PM

ATTACHMENT 2



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PRITCHARD STREET
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GRADING & DRAINAGE PLAN

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DATE:	2/28/2024
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JOB No.	2021-0735
DRAWING No.	C6.3

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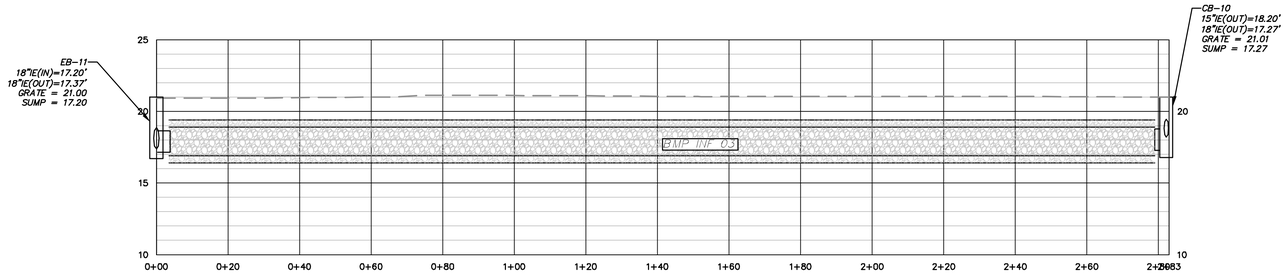

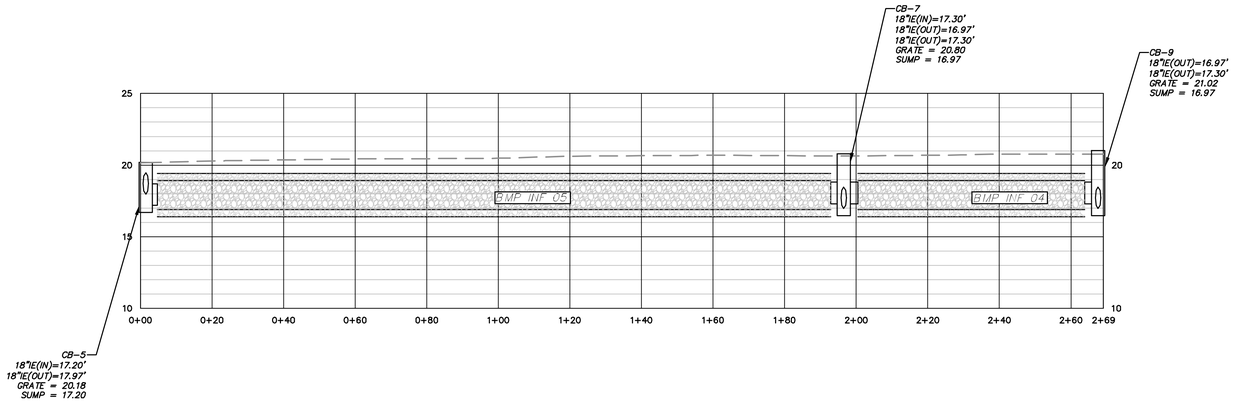

LEGEND:

- EXISTING GRADE
- PROPOSED GRADE
- 25Y HGL

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2/28/2024

REV #	DATE	DESCRIPTION

PRITCHARD STREET STREETSCAPE

DRAINAGE PROFILES

DRAWN BY:	PAG
CHECKED BY:	MES
APPROVED BY:	MES
DATE:	2/28/2024
SCALE:	AS SHOWN
JOB No.	2021-0735
DRAWING No.	C6.4

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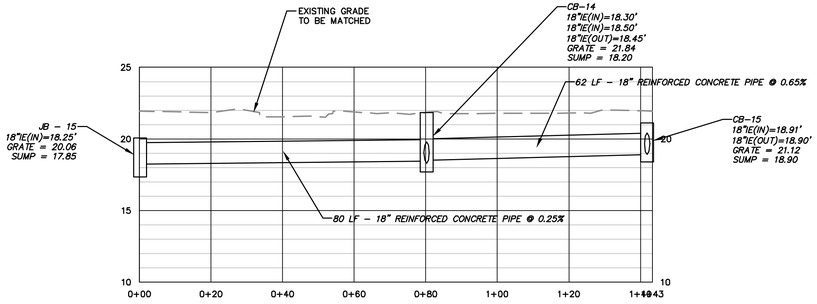
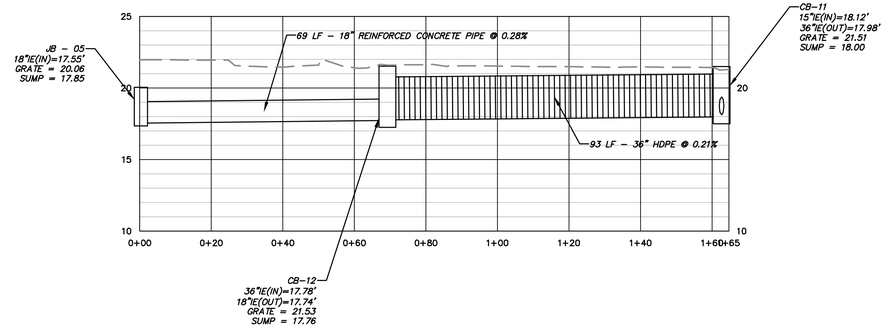
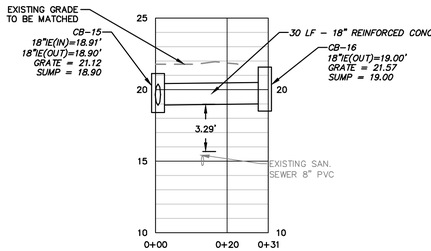
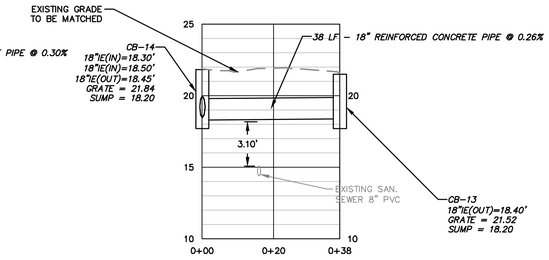
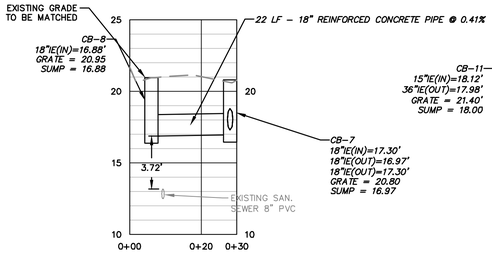
ATTACHMENT 2

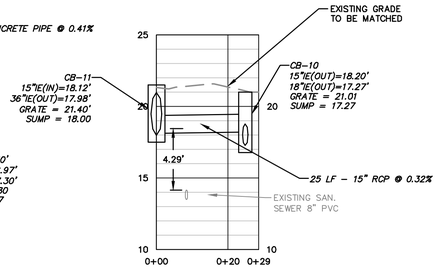


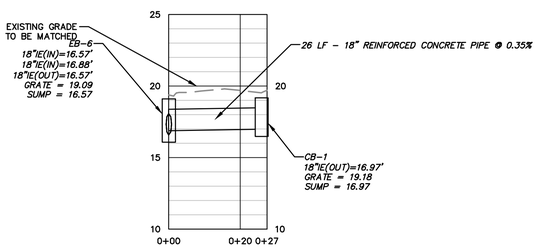


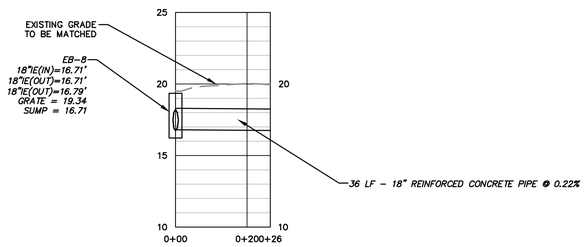


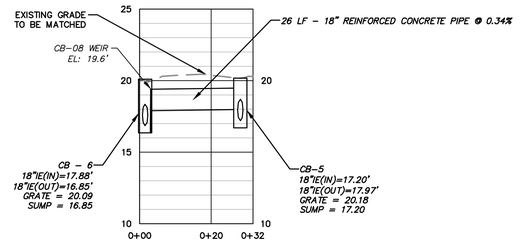












LEGEND:

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2/28/2024

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PRITCHARD STREET STREETSCAPE

DRAINAGE PROFILES

DRAWN BY:	PAG
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APPROVED BY:	MES
DATE:	2/28/2024
SCALE:	AS SHOWN
JOB No.	2021-0735
DRAWING No.	C6.5

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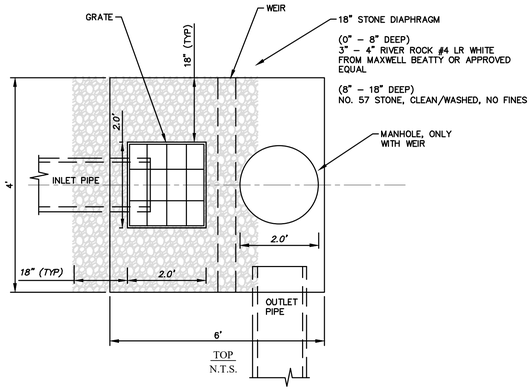
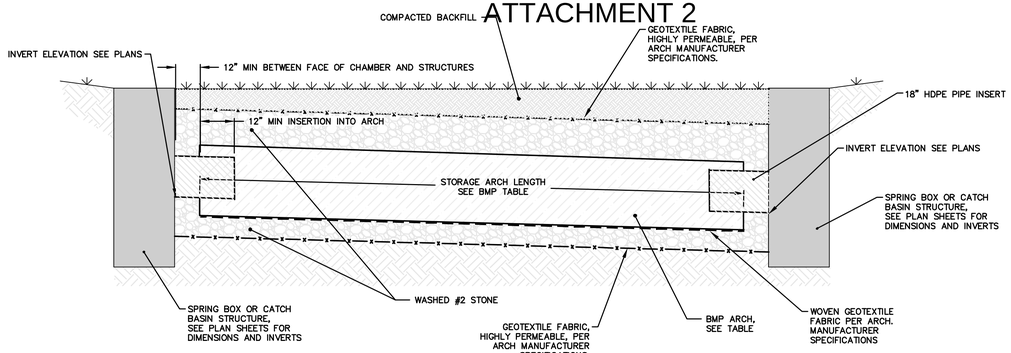
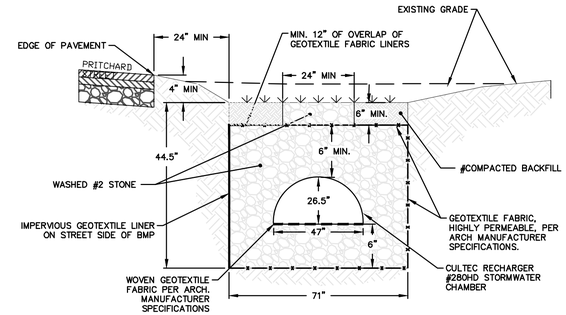
ATTACHMENT 2



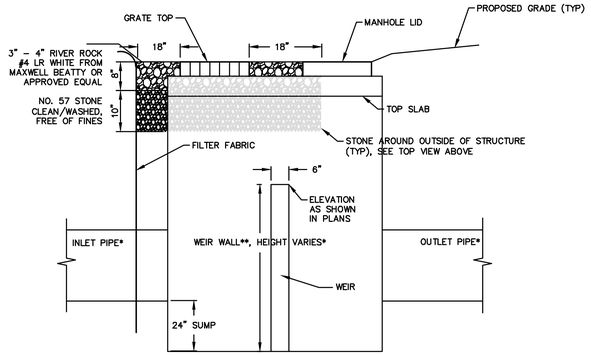
TOP
N.T.S.



SECTION VIEW - TRENCH PROFILE (INF04, INF05)
N.T.S.



SECTION VIEW - INFILTRATION TRENCH WITH "CULTEC RECHARGER 280HD" (INF03, INF04)
N.T.S.

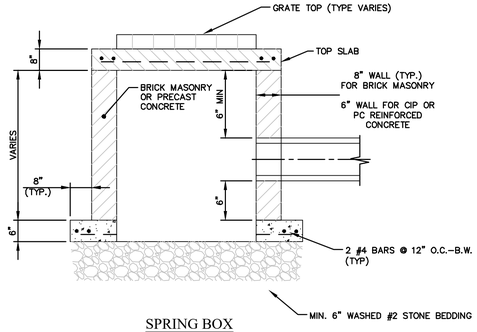


SECTION

NOTE:
1. TOP SLAB AND GRATE TO CONFORM WITH SCDOT STANDARD DRAWING 719-016-03 AND 719-025-04.
2. CATCH BASIN STRUCTURE TO CONFORM TO SCDOT STANDARD DRAWING 719-009-01.

*REFERENCE PLANS FOR INVERTS AND ELEVATIONS
**CHANGES IN PIPE ELEVATIONS DURING CONSTRUCTION MAY REQUIRE CHANGES TO TOP OF WEIR ELEVATIONS AS COORDINATED AND APPROVED BY THE ENGINEER.

CATCH BASIN STONE DIAPHRAGM DETAIL
N.T.S.



SPRING BOX
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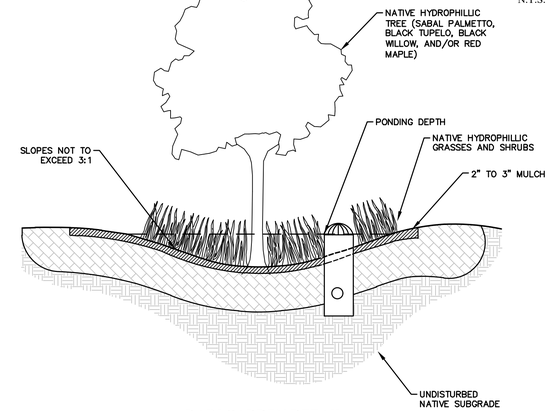
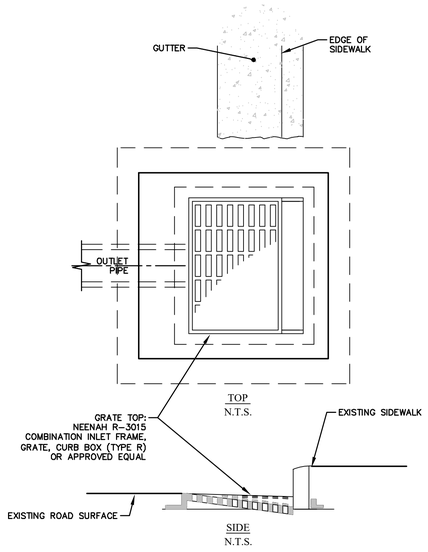


RAIN GARDEN DETAIL
N.T.S.



COMBINATION INLET DETAIL
N.T.S.

DRAINAGE STRUCTURE TABLE

STRUCTURE NAME	STRUCTURE TYPE	INLET TYPE	WIER
CB-6	CATCH BASIN	DIAPHRAGM & GRATE	19.60 FT
CB-8	CATCH BASIN	24" GRATE	N/A
CB-7	CATCH BASIN	COMBINATION INLET	N/A
SB-10	CATCH BASIN	24" GRATE	N/A
CB-5	CATCH BASIN	24" GRATE	N/A
CB-9	CATCH BASIN	24" GRATE	N/A
CB-11	CATCH BASIN	24" GRATE	21.25 FT
C1-01	CATCH BASIN	CURB INLET	N/A
CB-10	CATCH BASIN	COMBINATION INLET	N/A
CB-12	CATCH BASIN	24" GRATE	N/A
JB-05	OUTLET TO RG01	N/A	N/A
JB-15	OUTLET TO RG01	N/A	N/A
CB-14	CATCH BASIN	24" GRATE	N/A
CB-13	CATCH BASIN	COMBINATION INLET	N/A
CB-15	CATCH BASIN	24" GRATE	N/A
CB-16	CATCH BASIN	COMBINATION INLET	N/A
REFIT EXISTING STRUCTURE	CATCH BASIN	OUTLET CONTROL STRUCTURE	N/A

BMP PIPE/ARCH TABLE

NAME	TYPE	LENGTH	INVERTS
BMP INF01	N/A	N/A	N/A
BMP INF02	PERMEABLE PARKING & STORAGE	93 LF	18.25
BMP INF03	MANURFACTURED ARCH	275 LF	16.8
BMP INF04	MANURFACTURED ARCH	64 LF	16.8
BMP INF05	MANURFACTURED ARCH	189 LF	16.8

NOTE: HDPE PIPE CONNECTORS BETWEEN STRUCTURES AND MANUFACTURED ARCHES ARE OMITTED FROM THIS TABLE

BMP MAINTENANCE ACTIVITIES NOTES

SCHEDULE	MAINTENANCE ACTIVITY
QUARTERLY	• ENSURE THAT THE CONTRIBUTING DRAINAGE AREA, INLETS, AND FACILITY SURFACE ARE CLEAR OF DEBRIS. • ENSURE THAT THE CONTRIBUTING DRAINAGE AREA IS STABILIZED. PERFORM SPOT-RESEEDING IF WHERE NEEDED. • REMOVE SEDIMENT AND OIL/GREASE FROM INLETS, PRETREATMENT DEVICES, FLOW DIVERSION STRUCTURES, AND OVERFLOW STRUCTURES. • REPAIR UNDERCUT AND ERODED AREAS AT INFLOW AND OUTFLOW STRUCTURES. SEMI-ANNUAL INSPECTION
SEMI-ANNUAL	• CHECK OBSERVATION WELLS 3 DAYS AFTER A STORM EVENT IN EXCESS OF 1/2 INCH IN DEPTH. STANDING WATER OBSERVED IN THE WELL AFTER THREE DAYS IS A CLEAR INDICATION OF CLOGGING. • INSPECT PRETREATMENT CELLS, INLETS LEADING TO INFILTRATION BMPs, AND DIVERSION STRUCTURES FOR SEDIMENT AND STRUCTURAL DAMAGE. CLEAN OUT ACCUMULATED SEDIMENT AS NEEDED.
ANNUALLY	• CLEAN OUT ACCUMULATED SEDIMENT FROM THE PRETREATMENT CELLS AND INLETS AS NEEDED
AS NEEDED	• REPLACE PEA GRAVEL/TOPSOIL AND TOP SURFACE GEOTEXTILE FABRIC (WHEN CLOGGED). • MOW VEGETATED FILTER STRIPS AS NECESSARY AND REMOVE THE CLIPPINGS

BMP INSPECTION NOTES

INFILTRATION SYSTEMS AND BIORETENTION AREAS SHALL BE INSPECTED AT THE FOLLOWING STAGES TO ENSURE PROPER PLACEMENT AND ALLOW FOR INFILTRATION INTO THE SUBGRADE:

- DURING ON-SITE OR OFF-SITE PERCOLATION OR INFILTRATION TESTS;
- UPON COMPLETION OF STRIPPING, STOCKPILING, OR CONSTRUCTION OF TEMPORARY SEDIMENT CONTROL AND DRAINAGE FACILITIES;
- UPON COMPLETION OF EXCAVATION TO THE SUBGRADE;
- THROUGHOUT THE PLACEMENT OF PERFORATED PVC/HDPE PIPES (FOR UNDERDRAINS AND OBSERVATION WELLS) INCLUDING BYPASS PIPES (WHERE APPLICABLE), GEOTEXTILE MATERIALS, GRAVEL, OR CRUSHED STONE COURSE AND BACKFILL; AND
- UPON COMPLETION OF FINAL GRADING AND ESTABLISHMENT OF PERMANENT STABILIZATION

GENERAL DRAINAGE NOTES:
1. ALL EXISTING WATER, SANITARY, GAS, OR OTHER UNDERGROUND UTILITIES, BOTH MAINS AND HOUSE CONNECTIONS, THAT ARE IMPACTED BY OR CROSS THE PROPOSED STORM DRAIN SHALL BE TEST PITTED. ALL TEST PIT INFORMATION SHALL BE SUBMITTED TO THE ENGINEER THREE WEEKS PRIOR TO CONSTRUCTION OF THE PIPE WORK. THE ENGINEER WILL HAVE TWO WEEKS TO REVIEW THE TEST PIT INFORMATION AND RESOLVE ANY CONFLICTS. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE SERVICE DURING CONSTRUCTION AND TEST PITTING ACTIVITIES. IN THE CASE OF GAS LINE CONFLICTS, THE CONTRACTOR SHALL NOTIFY DOMINION ENERGY TO RELOCATE AS NECESSARY.
2. CONTRACTOR SHALL PROVIDE AND INSTALL DEWATERING EQUIPMENT SUCH AS SUMP PITS, PUMPS, PIPING, DIVERSIONS, ETC. AND PERFORM DEWATERING AS NECESSARY TO PROVIDE SUITABLE CONDITIONS TO PERFORM AND COMPLETE THE PROJECT WORK.
3. CONTRACTOR IS RESPONSIBLE FOR RESTORING, REPAIRING, OR RECONSTRUCTING EXISTING SITE FEATURES (I.E. SIDEWALKS, CURB/GUTTER, FENCING, PAVING, LIGHTING, UTILITIES, ETC.) THAT ARE DAMAGED AS A RESULT OF THE PROJECT WORK.
4. ALL AGGREGATES ASSOCIATED WITH BMP'S SHALL BE WASHED STONE, CLEAN AND FREE OF FINE SEDIMENTS.
5. CONTRACTOR SHALL ENSURE SEDIMENT AND EROSION CONTROL MEASURES ARE IN PLACE AND UTILIZED DURING CONSTRUCTION AND IMMEDIATELY THEREAFTER TO PREVENT SEDIMENT CONTAMINATION OF BMP INFILTRATION AREA.

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2/28/2024

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PRITCHARD STREET STREETSCAPE

DRAINAGE DETAILS

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JOB No.	2021-0735
DRAWING No.	C6.6

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ATTACHMENT 2

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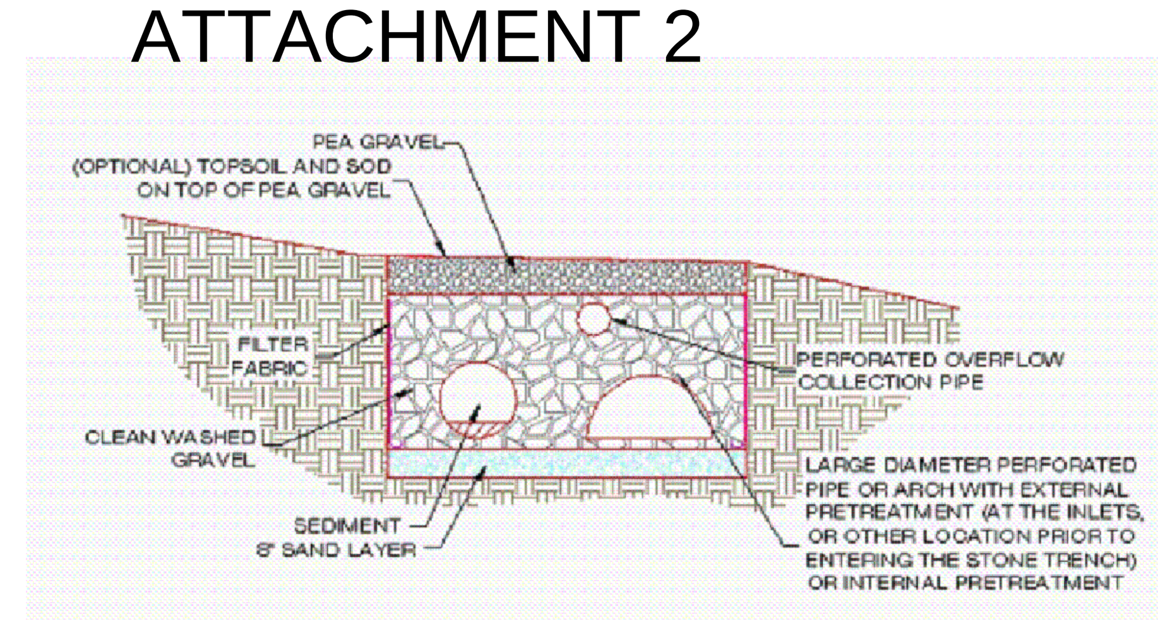
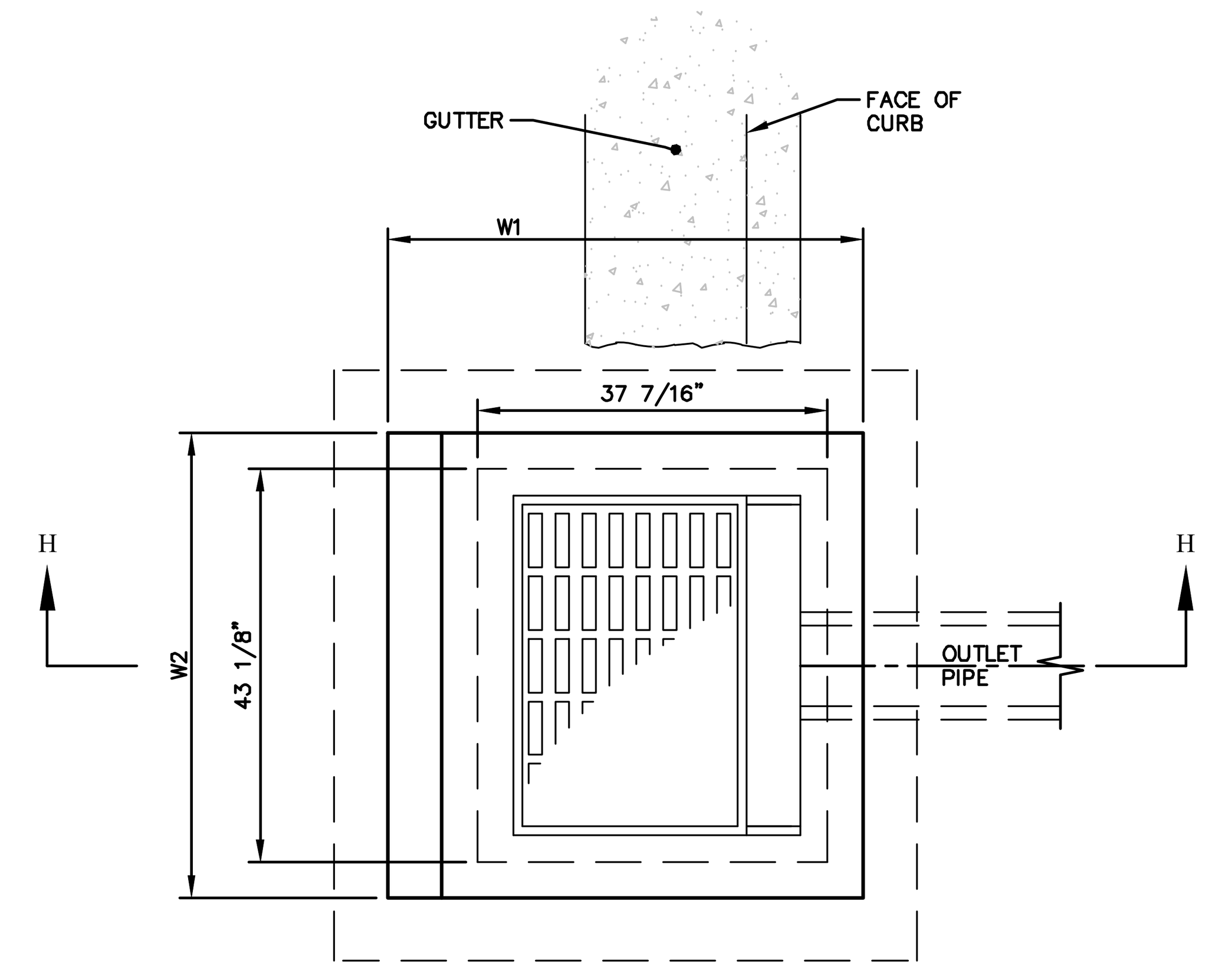
5. CONTRACTOR SHALL ENSURE SEDIMENT AND EROSION CONTROL MEASURES ARE IN PLACE AND UTILIZED DURING CONSTRUCTION AND IMMEDIATELY THEREAFTER TO PREVENT SEDIMENT CONTAMINATION OF BMP INFILTRATION AREA.

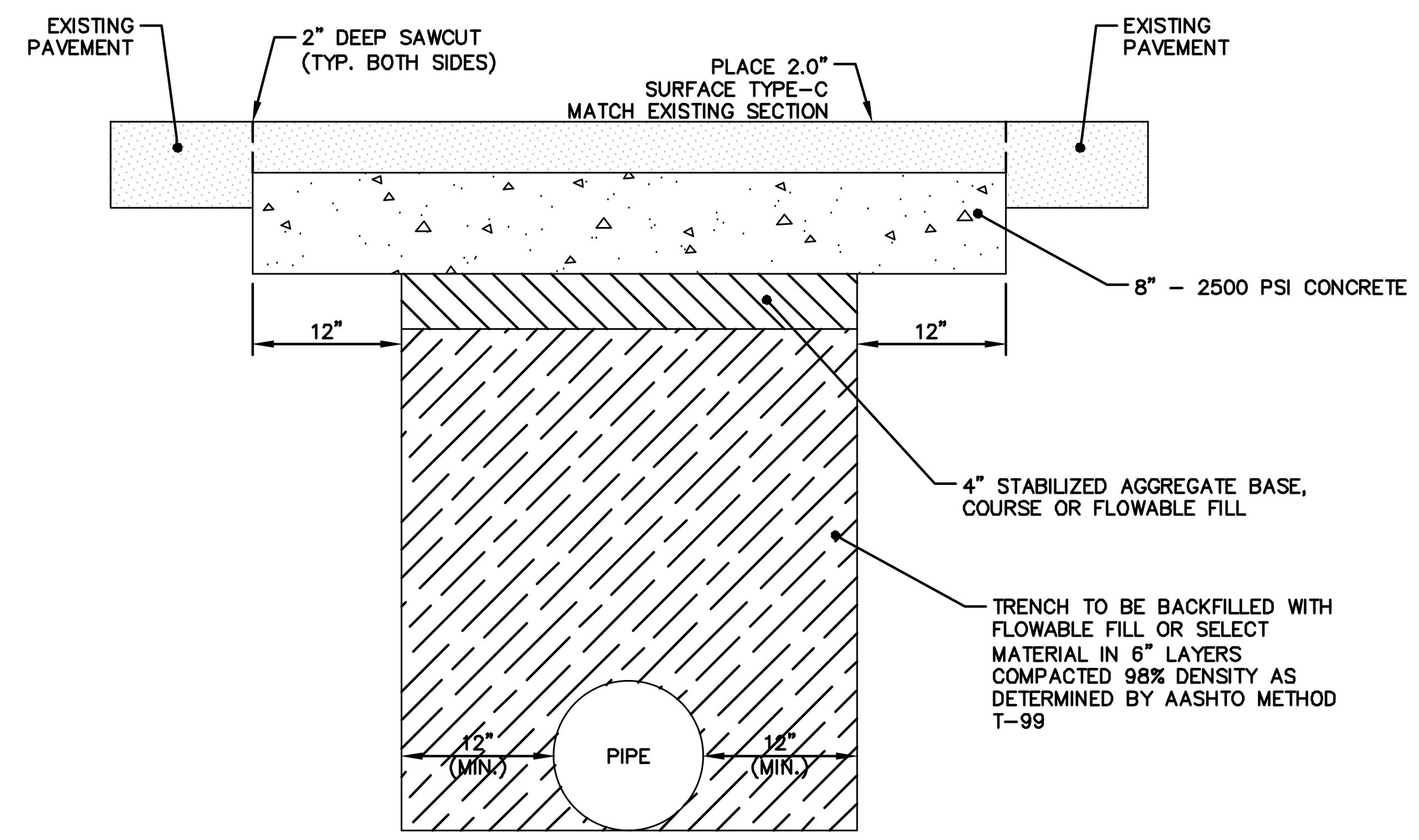


INFILTRATION/FILTER SWALE EXAMPLE
(DETAIL FROM SO.LO.CO. STORMWATER MANUAL)

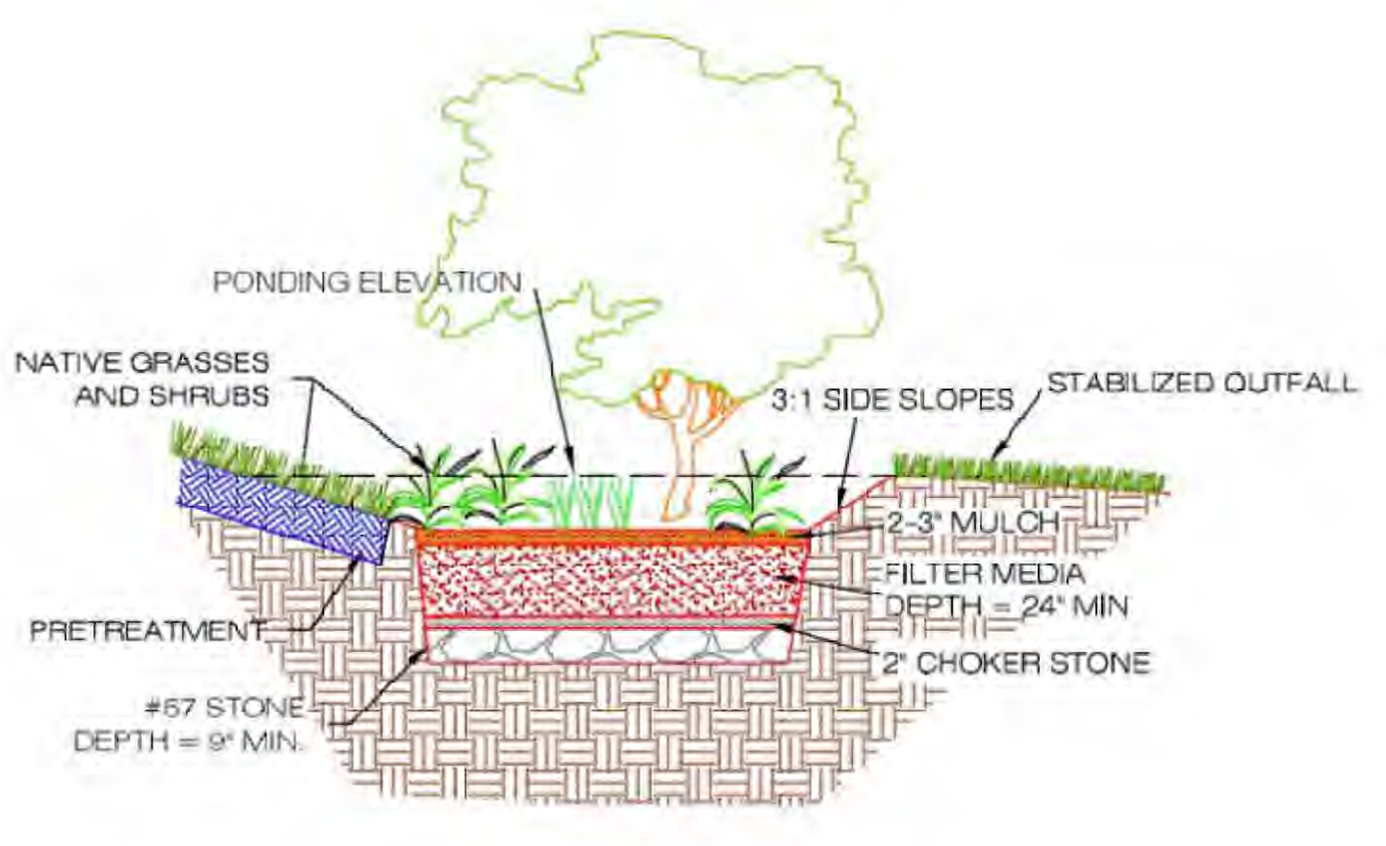


PLAN

DIMENSION SCHEDULE				
PIPE SIZE	W1*	W2*	MIN. "D"	SLAB "T"
UP TO 24"	4'–0"	4'–0"	4'–0"	6"
30"	4'–0"	4'–6"	4'–6"	10"
36"	5'–0"	5'–0"	5'–0"	12"
42"	5'–0"	5'–10"	5'–6"	12"
48"	6'–2"	6'–4"	6'–0"	12"
54"	6'–8"	6'–8"	6'–6"	12"

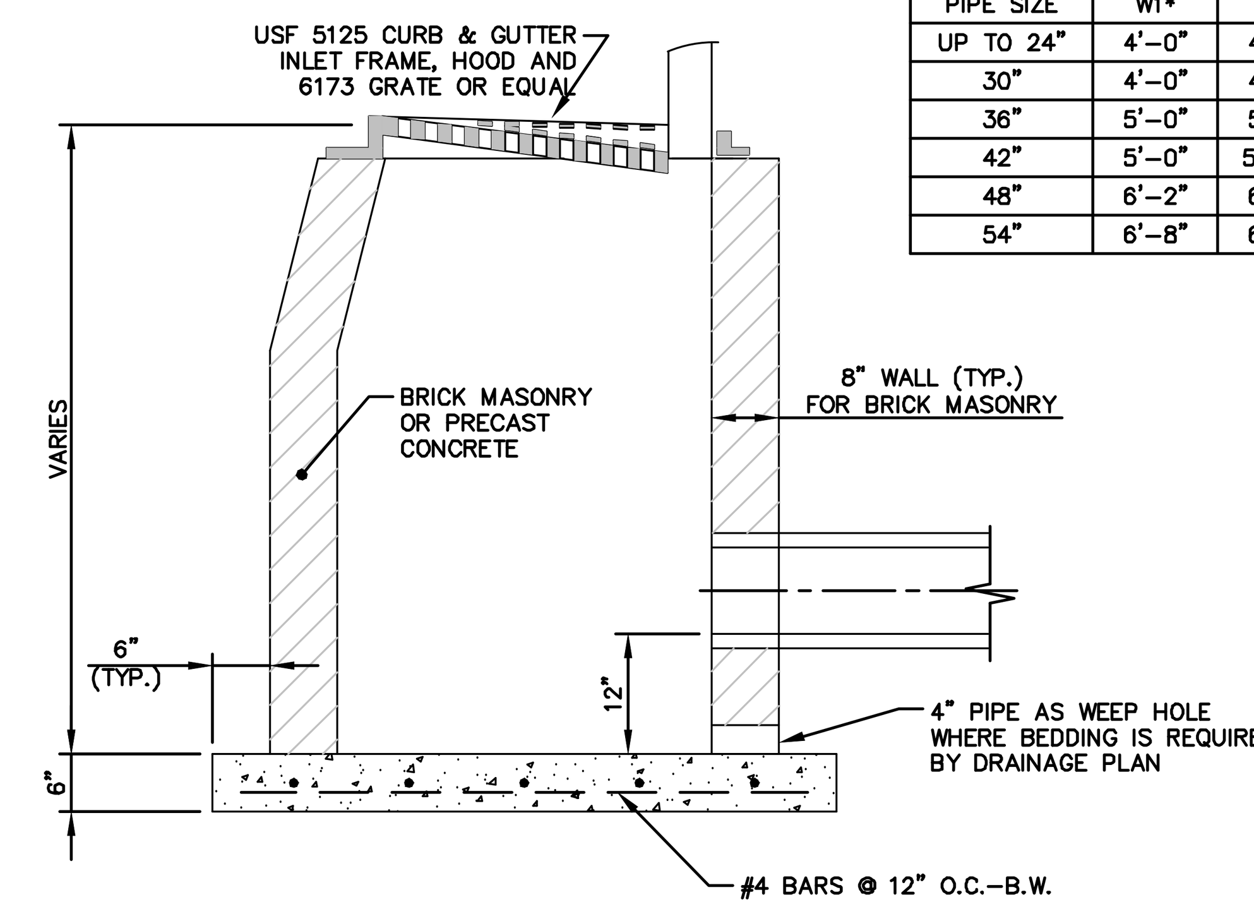


ASPHALT PAVEMENT CUT & PATCH DETAIL
N.T.S.



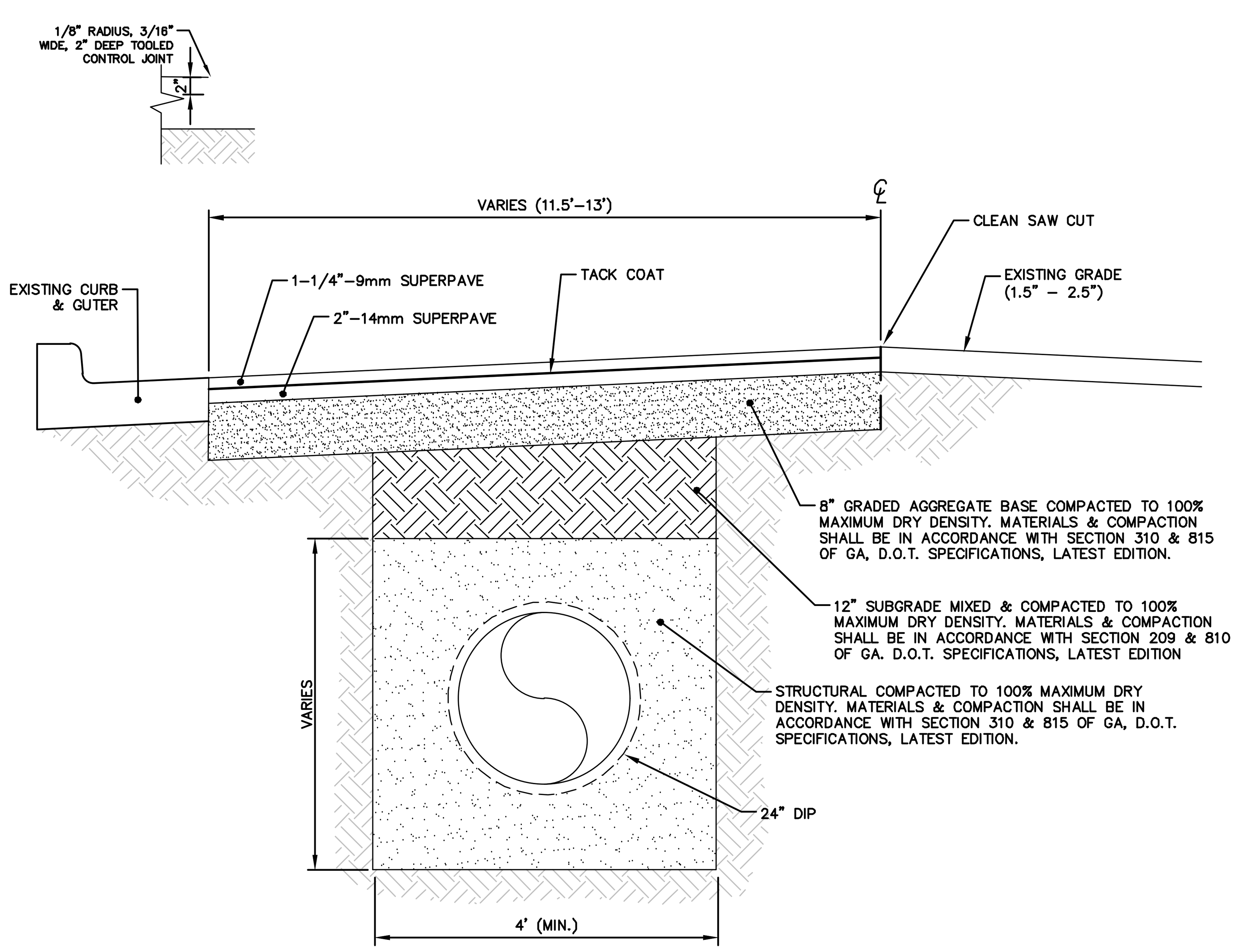
RAINGARDEN SECTION DETAIL
N.T.S.

DETAIL FROM SOUTHERN LOWCOUNTRY STORMWATER DESIGN MANUAL

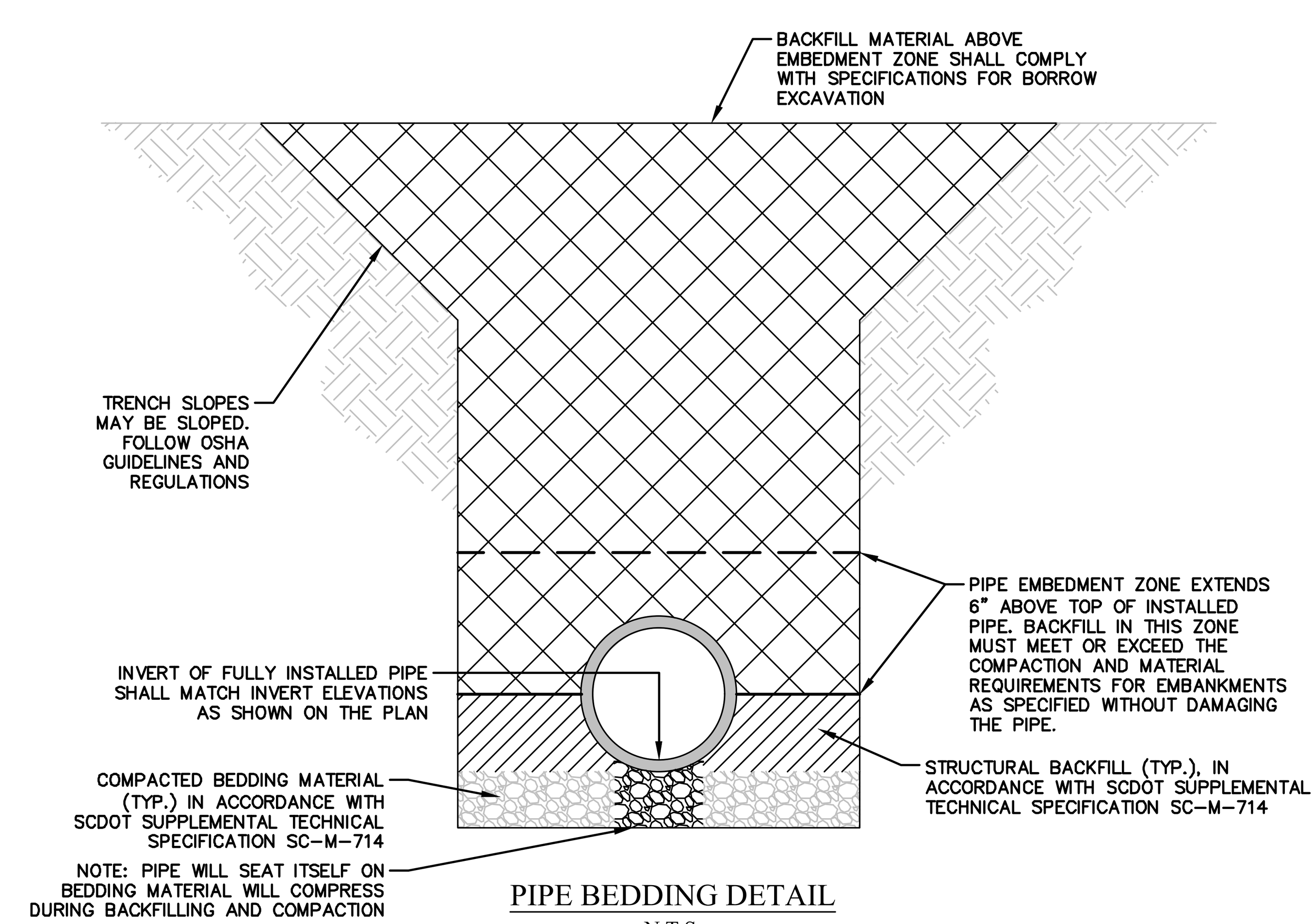


SECTION H-H

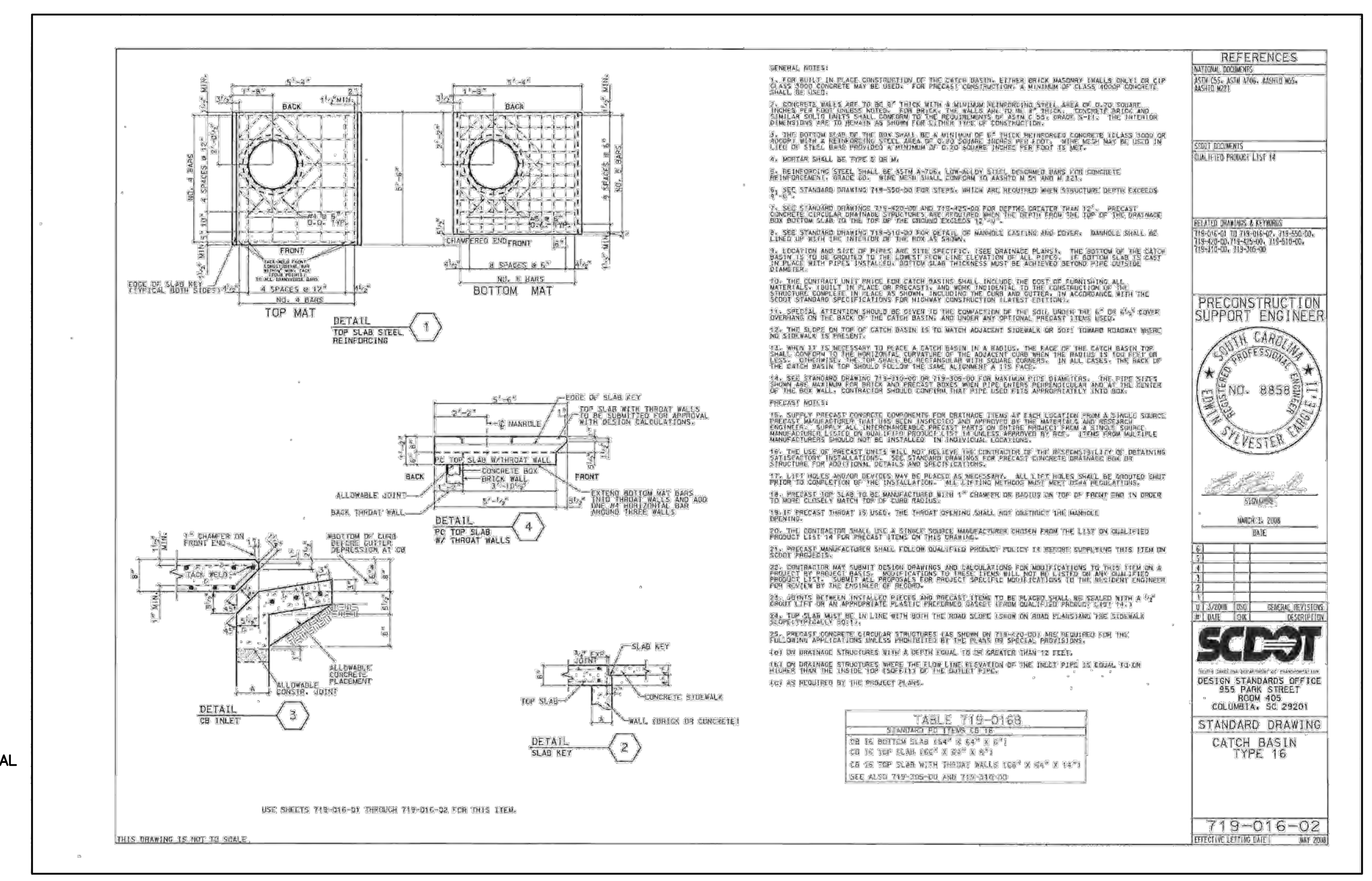
HOOD BACK TRAP
N.T.S.



SINGLE LANE FULL DEPTH REPLACEMENT
N.T.S



PIPE BEDDING DETAIL
N.T.S.



CRANSTON

SOUTH CAROLINA
Cranston Engineering Group
NO. C00575
CERTIFICATE OF AUTHORIZATION

PRELIMINARY
NOT FOR CONSTRUCTION

SOUTH CAROLINA
PROFESSIONAL ENGINEER
LICENSED
NO.24749
MATTHEW E. RANDALL
2/28/2024

REV #	DATE	DESCRIPTION

PRITCHARD STREET STREETSCAPE

DRAINAGE DETAILS

DRAWN BY:	PAG
CHECKED BY:	MES
APPROVED BY:	MES
DATE:	2/28/2024
SCALE:	1" = 20'
JOB No.	2021–0735
DRAWING No.	C6.7

South Carolina 811
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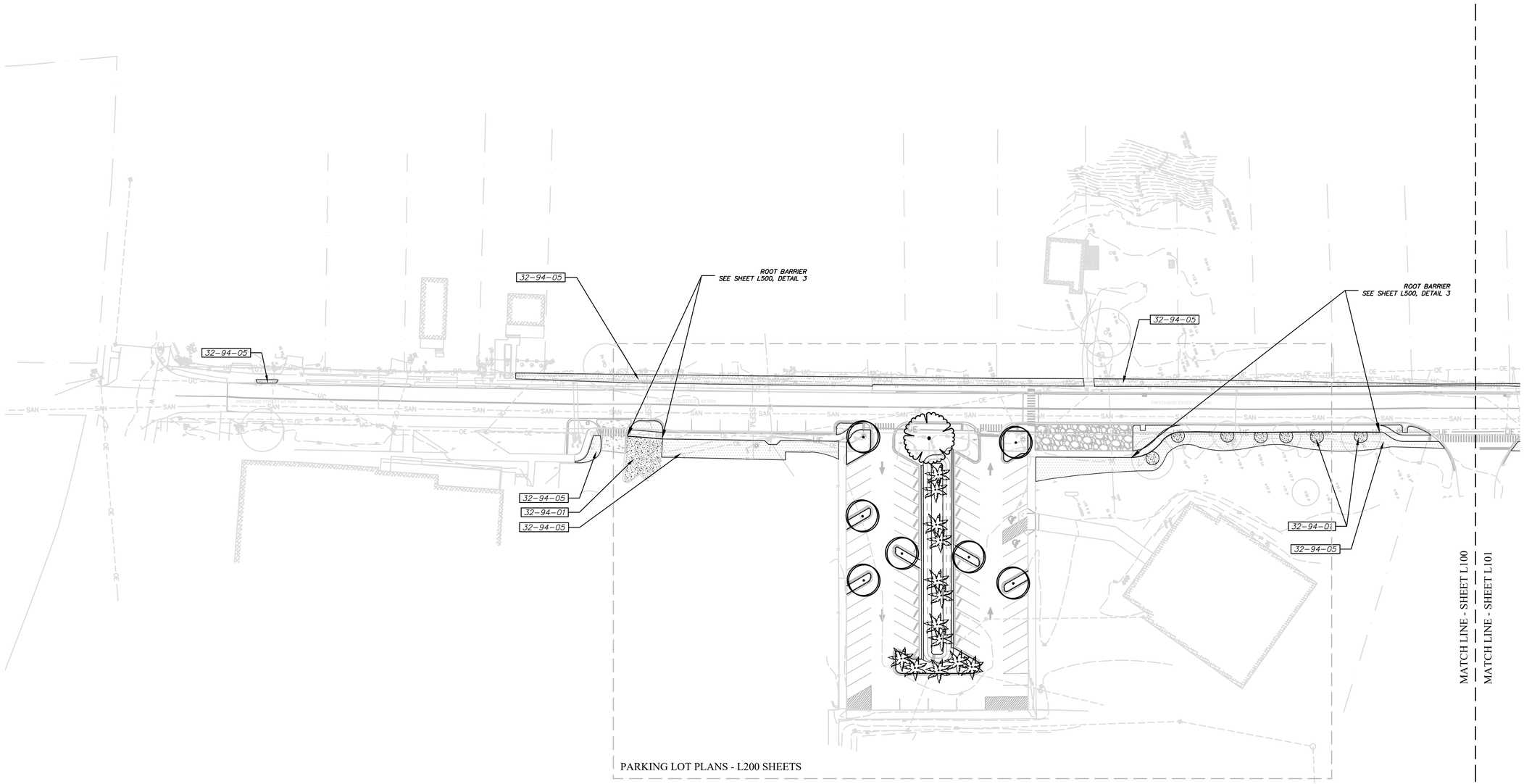
G:\PROJECTS\2021\2021–0735_PRITCHARD STREET DRAINAGE IMPROVEMENTS\AC–DRAWINGS\CIVIL\2021–0735 PRITCHARD STREET STREETSCAPE STORM.DWG 2/28/2024 4:32 PM

ATTACHMENT 2



REFERENCE NOTES SCHEDULE ROW				
	PLANTING ACCESSORIES			
	SYMBOL	DESCRIPTION	QTY	DETAIL
	32-94-01	Mulch, Hardwood	38.44 cy	2/L500
	32-94-02	Root Barrier	325 lf	3/L500
		PLANTING ACCESSORIES		
	SYMBOL	DESCRIPTION	QTY	DETAIL
	32-94-05	Sod-Zoysia	17,530 sf	1/L500

PLAN
HORIZONTAL SCALE 1"=40'

40 20 0 40 80
SCALE IN FEET

GA EAST ZONE
GRID

South Carolina 811
Call 811 Before You Dig

CRANSTON

State of South Carolina
REGISTERED LANDSCAPE ARCHITECT
No. 1398
LAWRENCE FRANK CRISLIP

REV #	DATE	DESCRIPTION

PRITCHARD STREET
STREETSCAPE

LANDSCAPE PLAN SHEET 1 OF 2

DRAWN BY:	LNA
CHECKED BY:	LNA
APPROVED BY:	LFC
DATE:	2/28/2024
SCALE:	1" = 40'
JOB No.	2021-0735
DRAWING No.	L100

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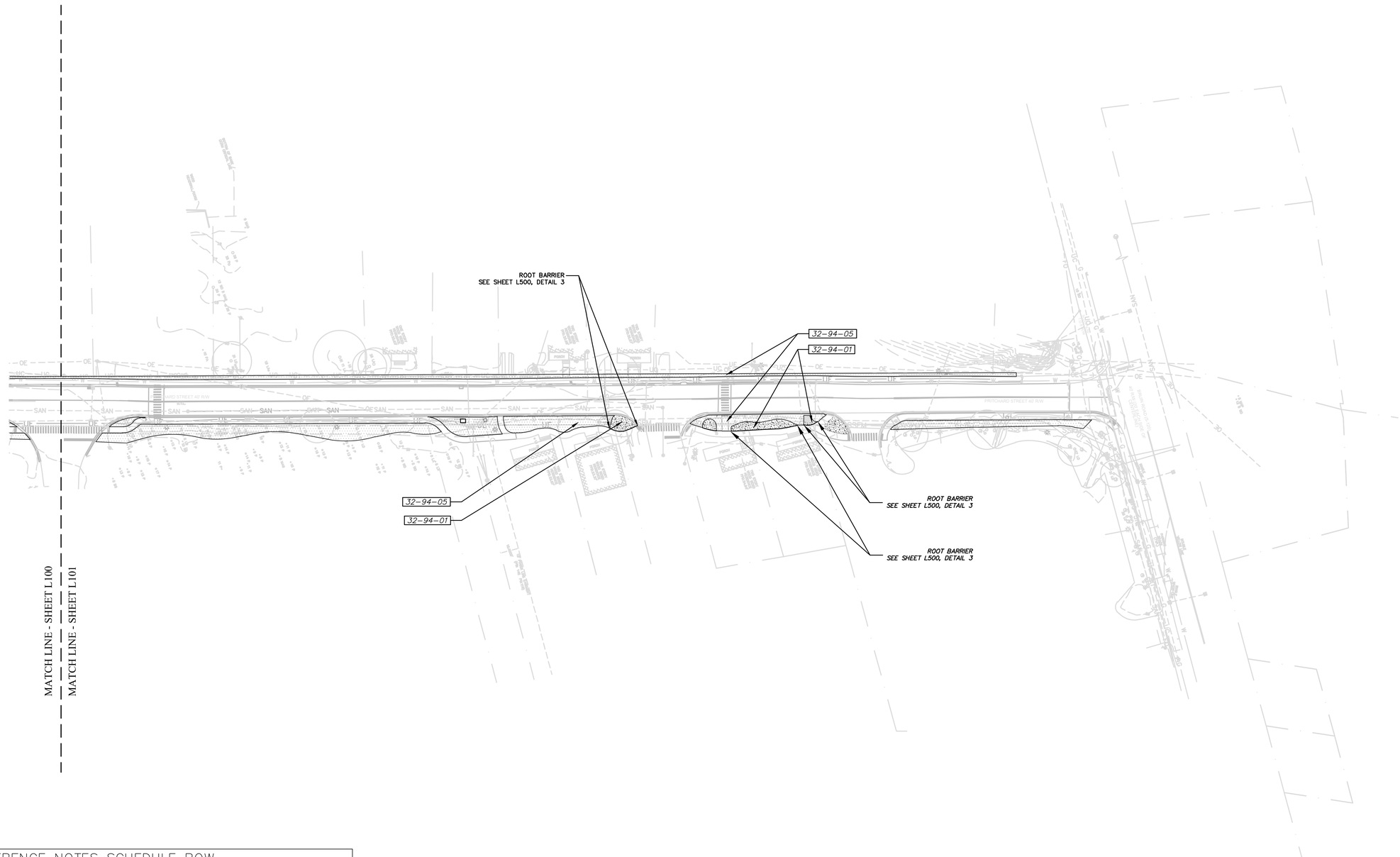
ATTACHMENT 2



REFERENCE NOTES SCHEDULE ROW			
	PLANTING ACCESSORIES		
SYMBOL	DESCRIPTION	QTY	DETAIL
32-94-01	Mulch, Hardwood	38.44 cy	2/L500
32-94-02	Root Barrier	325 lf	3/L500
	PLANTING ACCESSORIES		
SYMBOL	DESCRIPTION	QTY	DETAIL
32-94-05	Sod-Zoysia	17,530 sf	1/L500

PLAN
HORIZONTAL SCALE 1"=40'

40 20 0 40 80
SCALE IN FEET

GA EAST ZONE GRID

South Carolina 811 Call 811 Before You Dig

CRANSTON

State of South Carolina
REGISTERED LANDSCAPE ARCHITECT
No. 1398
LAWRENCE FRANK CONSELY

REV #	DATE	DESCRIPTION

PRITCHARD STREET STREETSCAPE

LANDSCAPE PLAN SHEET 2 OF 2

DRAWN BY:	LNA
CHECKED BY:	LNA
APPROVED BY:	LFC
DATE:	2/28/2024
SCALE:	1" = 40'
JOB No.	2021-0735
DRAWING No.	L101

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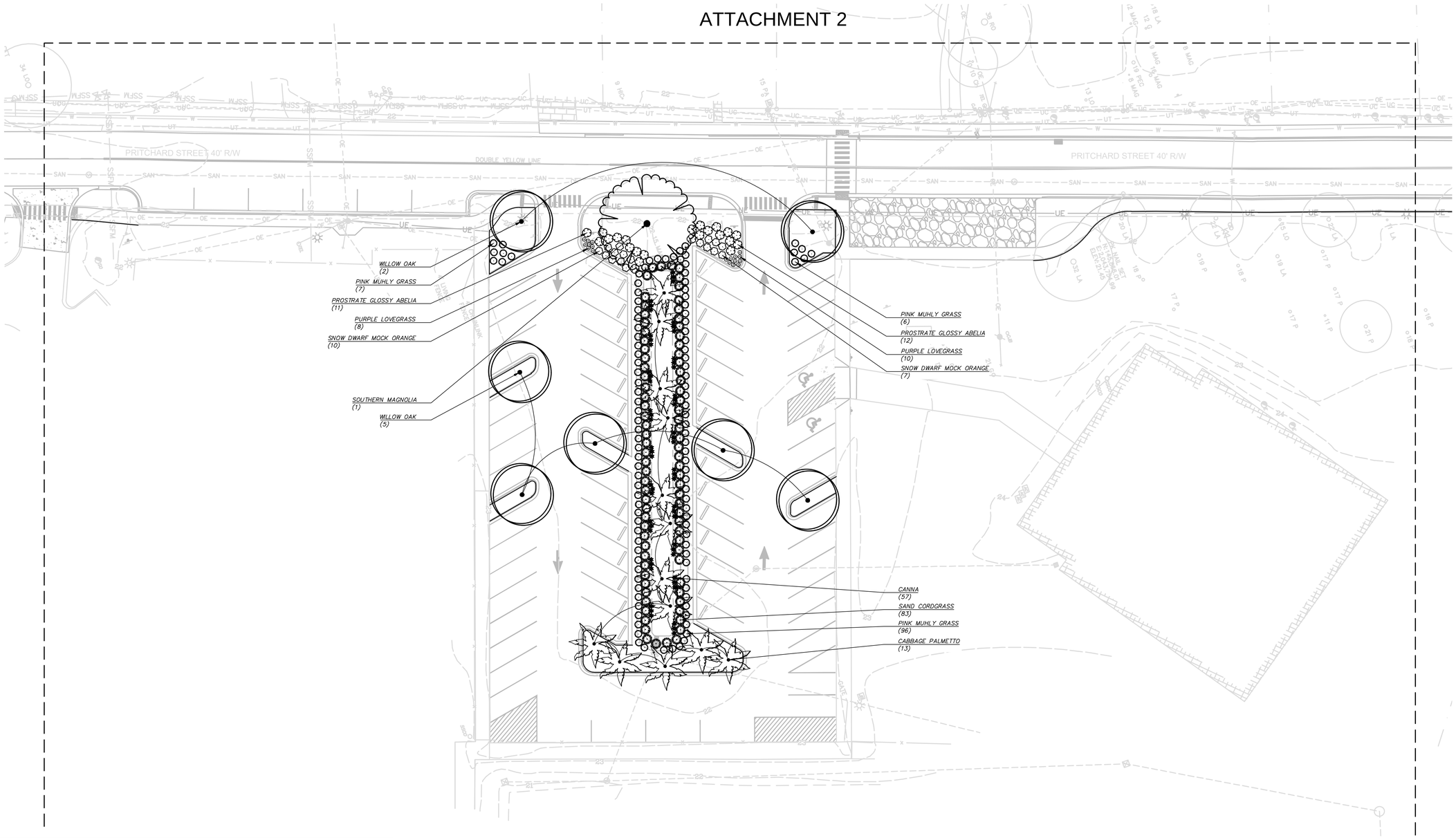
ATTACHMENT 2



PLANT SCHEDULE PARKING LOT

SYMBOL	QTY	COMMON NAME	BOTANICAL NAME	CONT.	CAL.	HEIGHT	
TREES							
	13	Cabbage Palmetto	Sabal palmetto	B & B	2.5" Cal	12'	
	1	Southern Magnolia	Magnolia grandiflora	Existing			
	7	Willow Oak	Quercus phellos	B & B	3"Cal	12'	
SYMBOL	QTY	COMMON NAME	BOTANICAL NAME	SIZE	HT.	SPREAD	SPACING
SHRUBS							
	57	Canna	Canna x generalis	3 gal	3'	2'	24" o.c.
	109	Pink Muhly Grass	Muhlenbergia capillaris	3 gal	3'	2'	36" o.c.
	23	Prostrate Glossy Abelia	Abelia x grandiflora 'Prostrata'	3 gal	2'	3'	42" o.c.
	18	Purple Lovegrass	Eragrostis spectabilis	1 gal	2'	2'	18" o.c.
	83	Sand Cordgrass	Spartina bakeri	3 gal	3'	2'	48" o.c.
	17	Snow Dwarf Mock Orange	Philadelphus x 'Snow Dwarf'	3 gal	3'	2'	36" o.c.

PLAN
HORIZONTAL SCALE 1"=20'

20 10 0 20 40
SCALE IN FEET

GA EAST ZONE GRID

South Carolina 811 Call 811 Before You Dig

CRANSTON

State of South Carolina
REGISTERED LANDSCAPE ARCHITECT
No. 1398
LAWRENCE FRANK CANESI

REV #	DATE	DESCRIPTION

PRITCHARD STREET STREETSCAPE

LANDSCAPE PLAN – PARKING LOT

DRAWN BY:	LNA
CHECKED BY:	LNA
APPROVED BY:	LFC
DATE:	2/28/2024
SCALE:	1" = 20'
JOB No.	2021-0735
DRAWING No.	L200

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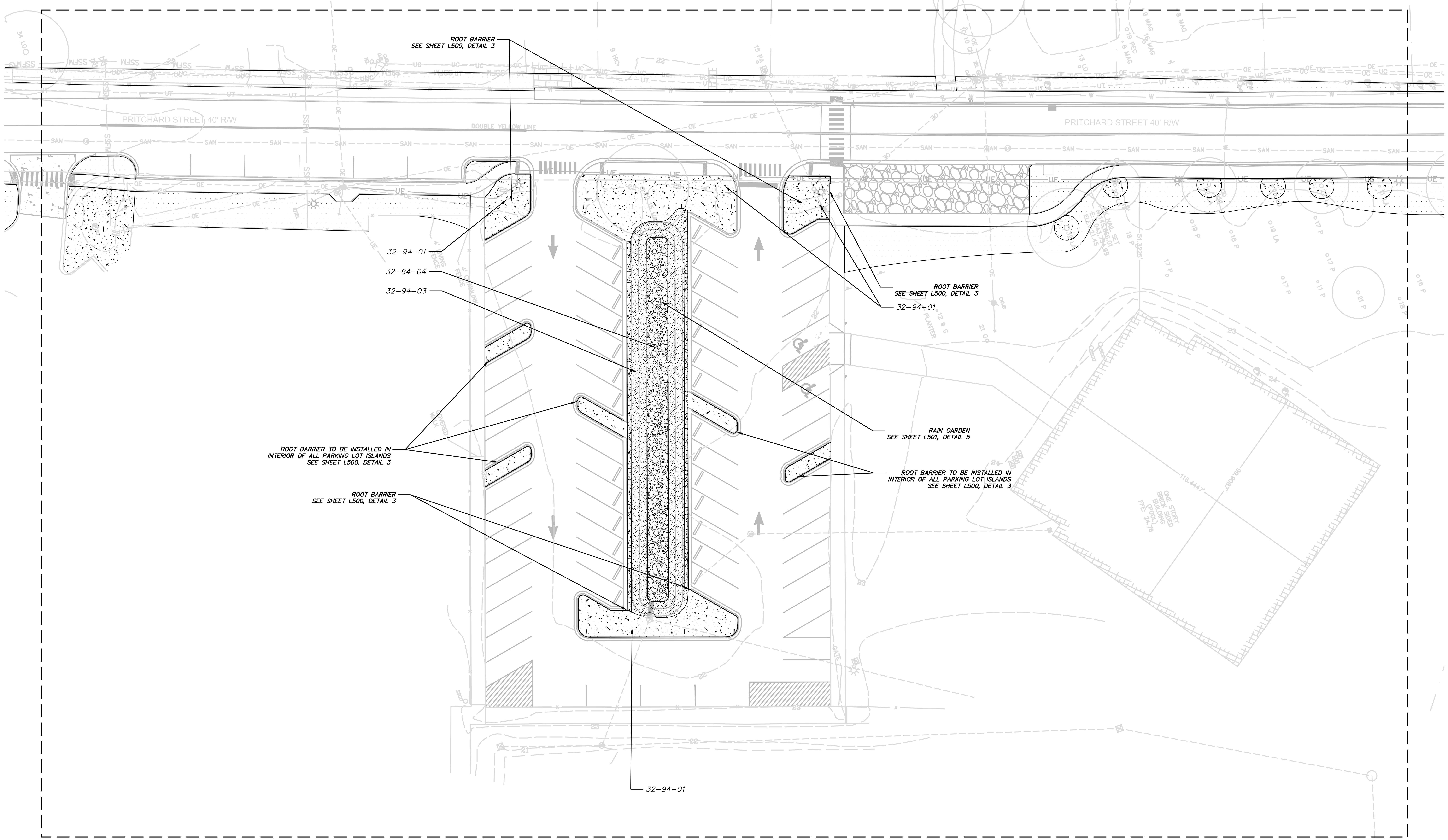
ATTACHMENT 2



	REFERENCE NOTES SCHEDULE PARKING LOT			
		PLANTING ACCESSORIES		
	SYMBOL	DESCRIPTION	QTY	DETAIL
	32-94-01	Mulch, Hardwood	61.84 cy	2/L500
	32-94-02	Root Barrier	519 lf	3/L500
	32-94-03	Hardwood Double Shredded Bark Mulch – Rain Garden	27.12 cy	5/L501
	32-94-04	River Rock (4"-6" Diameter) – Rain Garden	64.13 cy	5/L501

PLAN
HORIZONTAL SCALE 1"=20'
20 10 0 20 40
SCALE IN FEET

GA. EAST ZONE
GRID

South Carolina 811
Call 811 Before You Dig

CRANSTON

State of South Carolina
Registered Landscape Architect
Lawrence Frank Cheely
No. 1392

REV #	DATE	DESCRIPTION

PRITCHARD STREET STREETSCAPE

MATERIALS PLAN – PARKING LOT

DRAWN BY:	LNA
CHECKED BY:	LNA
APPROVED BY:	LFC
DATE:	2/28/2024
SCALE:	1" = 20'
JOB No.	2021-0735
DRAWING No.	L201

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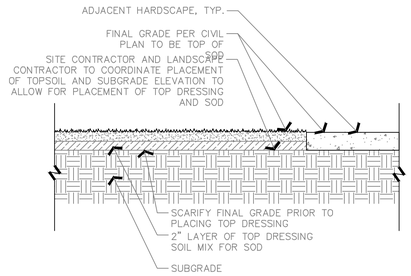
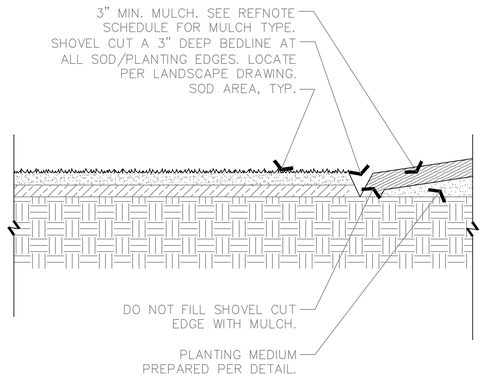


NOTES:

1. HOLD DOWN FINISHED GRADE 2" FROM EDGE OF ALL HARDSCAPE SURFACES.
2. ROLL AND WATER SOD SAME DAY AS INSTALLTION



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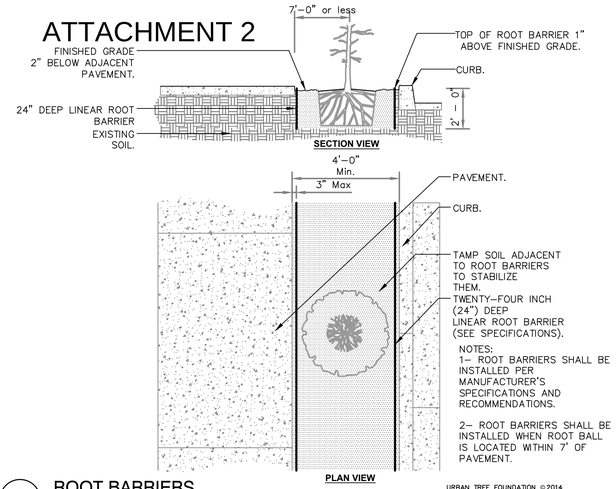
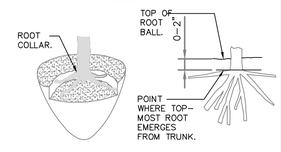


NOTES:
1- ROOT BARRIERS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

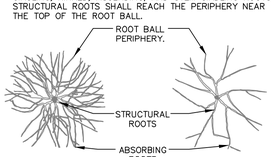
2- ROOT BARRIERS SHALL BE INSTALLED WHEN ROOT BALL IS LOCATED WITHIN 7' OF PAVEMENT.

1 SOD INSTALLATION

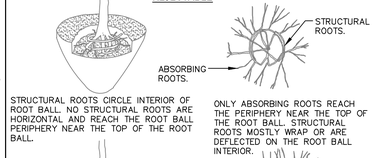
3/4" = 1'-0" P-AU1-09



THE POINT WHERE TOP-MOST ROOT(S) EMERGES FROM THE TRUNK (ROOT COLLAR) SHOULD BE WITHIN THE TOP 2" OF SUBSTRATE. THE ROOT COLLAR AND THE ROOT BALL INTERIOR SHOULD BE FREE OF DEFECTS INCLUDING CIRCLING, KINKED, ASCENDING, AND STEM GIRDLING ROOTS. STRUCTURAL ROOTS SHALL REACH THE PERIPHERY NEAR THE TOP OF THE ROOT BALL.

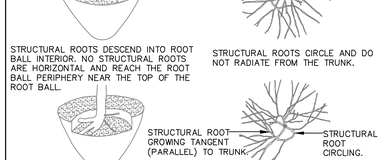


ROOTS RADIATE FROM TRUNK AND REACH SIDE OF ROOT BALL WITHOUT DEFECTING DOWN OR AROUND.



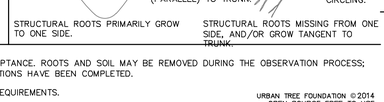
STRUCTURAL ROOTS CIRCLE INTERIOR OF ROOT BALL. NO STRUCTURAL ROOTS ARE HORIZONTAL AND REACH THE ROOT BALL PERIPHERY NEAR THE TOP OF THE ROOT BALL.

ONLY ABSORBING ROOTS REACH THE PERIPHERY NEAR THE TOP OF THE ROOT BALL. STRUCTURAL ROOTS MOSTLY WRAP OR ARE DEFLECTED ON THE ROOT BALL INTERIOR.



STRUCTURAL ROOTS DESCEND INTO ROOT BALL INTERIOR. NO STRUCTURAL ROOTS ARE HORIZONTAL AND REACH THE ROOT BALL PERIPHERY NEAR THE TOP OF THE ROOT BALL.

STRUCTURAL ROOTS CIRCLE AND DO NOT RADIATE FROM THE TRUNK.



STRUCTURAL ROOTS PRIMARILY GROW TO ONE SIDE.

STRUCTURAL ROOTS MISSING FROM ONE SIDE, AND/OR GROW TANGENT TO TRUNK.

NOTES:
1- OBSERVATIONS OF ROOTS SHALL OCCUR PRIOR TO ACCEPTANCE. ROOTS AND SOIL MAY BE REMOVED DURING THE OBSERVATION PROCESS; SUBSTRATE/SOIL SHALL BE REPLACED AFTER THE OBSERVATIONS HAVE BEEN COMPLETED.

2- SEE SPECIFICATIONS FOR OBSERVATION PROCESS AND REQUIREMENTS.

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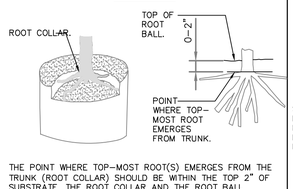
4 ROOT OBSERVATIONS DETAIL - BALLED AND BURLAPPED

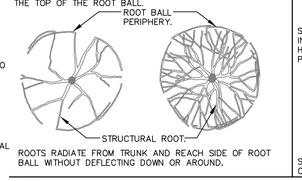
1" = 1'-0" P-HA1-01

2 SHOVEL CUT BED EDGE

1" = 1'-0" P-AU1-10



THE POINT WHERE TOP-MOST ROOT(S) EMERGES FROM THE TRUNK (ROOT COLLAR) SHOULD BE WITHIN THE TOP 2" OF SUBSTRATE. THE ROOT COLLAR AND THE ROOT BALL INTERIOR SHOULD BE FREE OF DEFECTS INCLUDING CIRCLING, KINKED, ASCENDING, AND STEM GIRDLING ROOTS. STRUCTURAL ROOTS SHALL REACH THE PERIPHERY NEAR THE TOP OF THE ROOT BALL.



ROOTS RADIATE FROM TRUNK AND REACH SIDE OF ROOT BALL WITHOUT DEFLECTING DOWN OR AROUND.

NOTES:
1- OBSERVATIONS OF ROOTS SHALL OCCUR PRIOR TO ACCEPTANCE. ROOTS AND SUBSTRATE MAY BE REMOVED DURING THE OBSERVATION PROCESS; SUBSTRATE/SOIL SHALL BE REPLACED AFTER OBSERVATION HAS BEEN COMPLETED.
2- SMALL ROOTS (¼" OR LESS) THAT GROW AROUND, UP, OR DOWN THE ROOT BALL PERIPHERY ARE CONSIDERED A NORMAL CONDITION IN CONTAINER PRODUCTION AND ARE ACCEPTABLE HOWEVER THEY SHOULD BE ELIMINATED AT THE TIME OF PLANTING. ROOTS ON THE PERIPERHY CAN BE REMOVED AT THE TIME OF PLANTING. (SEE ROOT BALL SHAVING CONTAINER DETAIL).
3- SEE SPECIFICATIONS FOR OBSERVATION PROCESS AND REQUIREMENTS.

5 ROOT OBSERVATIONS DETAIL - CONTAINER

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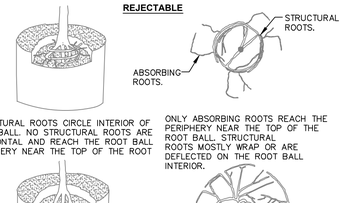
1" = 1'-0" P-HA1-02

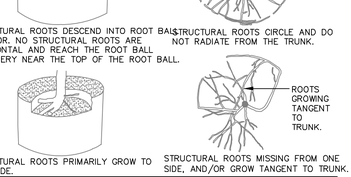
3 ROOT BARRIERS

3/8" = 1'-0" P-HA1-46



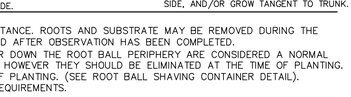
STRUCTURAL ROOTS CIRCLE INTERIOR OF ROOT BALL. NO STRUCTURAL ROOTS ARE HORIZONTAL AND REACH THE ROOT BALL PERIPHERY NEAR THE TOP OF THE ROOT BALL.

ONLY ABSORBING ROOTS REACH THE PERIPHERY NEAR THE TOP OF THE ROOT BALL. STRUCTURAL ROOTS MOSTLY WRAP OR ARE DEFLECTED ON THE ROOT BALL INTERIOR.



STRUCTURAL ROOTS DESCEND INTO ROOT BALL INTERIOR. NO STRUCTURAL ROOTS ARE HORIZONTAL AND REACH THE ROOT BALL PERIPHERY NEAR THE TOP OF THE ROOT BALL.

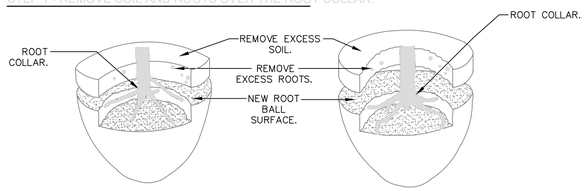
STRUCTURAL ROOTS CIRCLE AND DO NOT RADIATE FROM THE TRUNK.



STRUCTURAL ROOTS PRIMARILY GROW TO ONE SIDE.

STRUCTURAL ROOTS MISSING FROM ONE SIDE, AND/OR GROW TANGENT TO TRUNK.

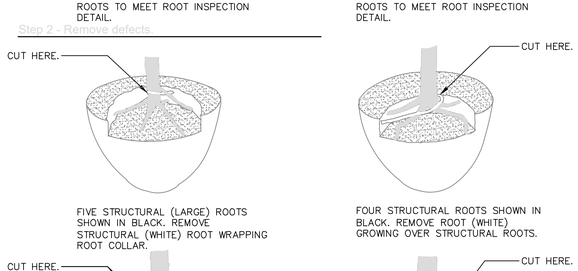
STEP 1 - REMOVE SOIL AND ROOTS OVER THE ROOT COLLAR.



TREE PLANTED TOO DEEPLY IN ROOT BALL. REMOVE EXCESS SOIL AND ROOTS TO MEET ROOT INSPECTION DETAIL.

TREE PLANTED TOO DEEPLY IN ROOT BALL. REMOVE EXCESS SOIL AND ROOTS TO MEET ROOT INSPECTION DETAIL.

Step 2 - Remove defects.



FIVE STRUCTURAL (LARGE) ROOTS SHOWN IN BLACK. REMOVE STRUCTURAL (WHITE) ROOT WRAPPING ROOT COLLAR.

FOUR STRUCTURAL ROOTS SHOWN IN BLACK. REMOVE ROOT (WHITE) GROWING OVER STRUCTURAL ROOTS.

SIX STRUCTURAL ROOTS SHOWN IN BLACK. REMOVE STRUCTURAL ROOTS (WHITE) GROWING OVER ROOT COLLAR BY CUTTING THEM JUST BEFORE THEY MAKE AN ABRUPT TURN.

SEVEN STRUCTURAL ROOTS SHOWN IN BLACK. REMOVE STRUCTURAL ROOTS (WHITE) GROWING AROUND OR OVER ROOT COLLAR BY CUTTING THEM JUST BEFORE THEY MAKE AN ABRUPT TURN.

REMOVE STRUCTURAL ROOTS (4 SHOWN IN BLACK) EXTENDING FROM ROOT BALL.

REMOVE STRUCTURAL ROOTS (4 SHOWN IN BLACK) DEFLECTED ON ROOT BALL PERIPHERY. SMALL ROOTS (¼" OR LESS) AT THE PERIPHERY OF THE ROOT BALL ARE NOT DEFINED AS DEFECTS AND DO NOT NEED TO BE REMOVED.

NOTES:
1- ALL TREES SHOWN ARE REJECTABLE UNLESS THEY UNDERGO RECOMMENDED CORRECTION.
2- FIRST STEP 1, THEN STEP 2. ADJUST HOLE DEPTH TO ALLOW FOR THE REMOVAL OF EXCESS SOIL AND ROOTS OVER THE ROOT COLLAR.
3- ROOTS AND SOIL MAY BE REMOVED DURING THE CORRECTION PROCESS; SUBSTRATE/SOIL SHALL BE REPLACED AFTER THE CORRECTION HAS BEEN COMPLETED.
4- TREES SHALL PASS ROOT OBSERVATIONS DETAIL FOLLOWING CORRECTION.

6 ROOT CORRECTION DETAIL - BALLED AND BURLAPPED

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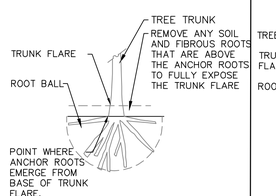
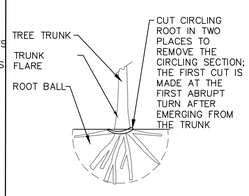
1 1/2" = 1'-0" P-HA1-03

STEP 1 - EXPOSE THE TRUNK FLARE



THE TRUNK FLARE SHALL BE FULLY EXPOSED WITHOUT SOIL COVERING IT OR FIBROUS ROOTS GROWING AROUND IT. WHERE THE STRUCTURAL ROOTS EMERGE FROM THE BASE OF THE TRUNK FLARE MAY BE SLIGHTLY EXPOSED AT FINISH GRADE. THE ROOT COLLAR AND THE ROOT BALL INTERIOR SHOULD BE FREE OF CIRCLING, KINKED, ASCENDING, AND STEM GIRDLING ROOTS. STRUCTURAL ROOTS SHALL REACH THE PERIPHERY NEAR THE TOP OF THE ROOT BALL.

STEP 2 - REMOVE CIRCLING ROOTS



THE ANCHORING ROOTS SHALL BE EXAMINED FOR CIRCLING ROOTS. IF THERE ARE LESS THAN 25% OF THE ROOTS CIRCLING, THEN THE ROOT BALL CAN BE CORRECTED BY REMOVING THE CIRCLING ROOTS. CIRCLING ROOTS SHALL BE REMOVED BY CUTTING THE ROOT IN TWO PLACES AND REMOVE THE CUT SECTION. IF MOST OF THE ROOTS ARE CIRCLING THEN THE ROOT BALL CANNOT BE CORRECTED AND THE TREE(S) SHALL BE REJECTED.

NOTES:
1. CORRECTIONS OF ROOT BALLS SHALL OCCUR PRIOR TO ACCEPTANCE. SOIL BELOW THE TOP OF THE ANCHOR ROOTS MAY BE REMOVED FOR ACCESS TO THE CIRCLING ROOTS FOR REMOVAL; SUBSTRATE/SOIL SHALL BE REPLACED BETWEEN THE ANCHOR ROOTS AFTER THE CORRECTIONS HAVE BEEN COMPLETED.
2. FOR CONTAINER GROWN TREES, SMALL ROOTS, ¼" OR LESS, THAT GROW AROUND, UP OR DOWN THE ROOT BALL PERIPHERY ARE CONSIDERED A NORMAL CONDITION IN CONTAINER PRODUCTION BUT SHOULD BE REMOVED AT THE TIME OF PLANTING. SEE ROOT BALL SHAVING DETAIL.

7 ROOT BALL CORRECTIONS DETAIL

FX-PL-FX-OBSV-01

G:\PROJECTS\2021\2021-0735_PRITCHARD STREET DRAINAGE IMPROVEMENTS\AC-DRAWINGS\LANDSCAPE ARCHITECTURE\2021-0735_LAS.DWG 2/28/2024 4:33 PM

CRANSTON

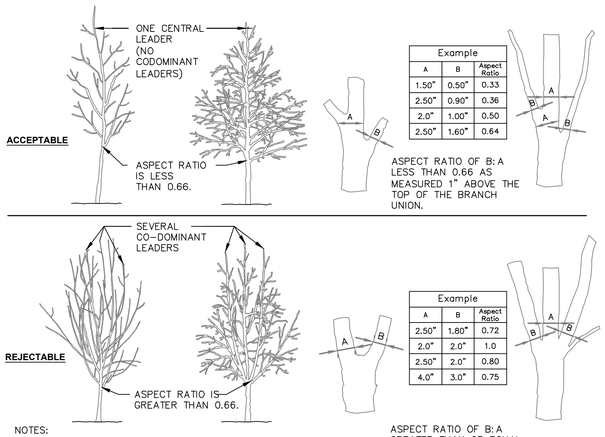
State of South Carolina
REGISTERED LANDSCAPE ARCHITECT
No. 1396
LAWRENCE FRANK CONSELL

REV #	DATE	DESCRIPTION

PRITCHARD STREET STREETSCAPE

LANDSCAPE DETAILS SHEET 1 OF 2

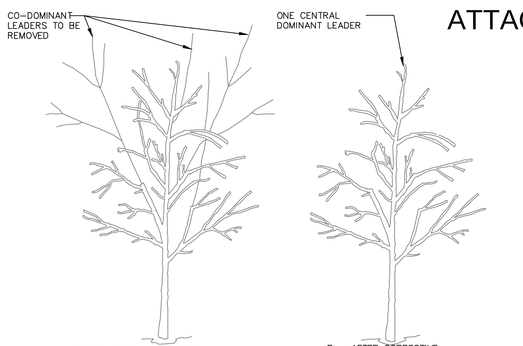
DRAWN BY:	LNA
CHECKED BY:	LNA
APPROVED BY:	LFC
DATE:	2/28/2024
SCALE:	AS SHOWN
JOB No.	2021-0735
DRAWING No.	L500



NOTES:
1. ASPECT RATIO SHALL BE LESS THAN 0.66 ON ALL BRANCH UNIONS. ASPECT RATIO IS THE DIAMETER OF BRANCH (B) DIVIDED BY THE DIAMETER OF THE TRUNK (A) AS MEASURED 1" ABOVE THE TOP OF THE BRANCH UNION.
2. ANY TREE NOT MEETING THE CROWN OBSERVATIONS DETAIL MAY BE REJECTED.

1 CROWN OBSERVATIONS - HIGH BRANCHED

FX-PL-FX-OBSV-03



A. BEFORE: TREE HAS SEVERAL CO-DOMINANT LEADERS. THE COMPETING LEADERS SHOULD BE PRUNED TO GIVE DOMINANCE TO THE CENTRAL LEADER. IF A TREE DOES NOT HAVE A CENTRAL LEADER, IT MAY BE REJECTED.

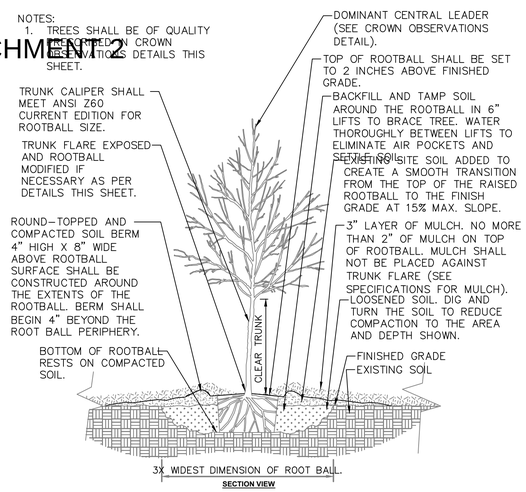
B. AFTER CORRECTIVE CROWN PRUNING, TREE HAS ONE DOMINANT CENTRAL LEADER.

NOTES:
1. ALL PRUNING SHALL BE PERFORMED BY AN ISA CERTIFIED ARBORIST.
2. TREES ARE REJECTABLE UNLESS THEY HAVE A DOMINANT CENTRAL LEADER OR ARE PRUNED TO REMOVE COMPETING LEADERS LEAVING A DOMINANT CENTRAL LEADER AND STILL MEET THE SPECIFIED HEIGHT AND SPREAD AS PER THE PROJECT TREE LIST.
3. TREE SHALL MEET CROWN OBSERVATION DETAIL FOLLOWING CORRECTION.
4. TOTAL FOLIAGE REMOVED SHALL BE LESS THAN 30%.

2 CROWN CORRECTION DETAIL

FX-PL-FX-CORR-04

NOTES:
1. TREES SHALL BE OF QUALITY REPRESENTED IN CROWN OBSERVATIONS DETAILS THIS SHEET.

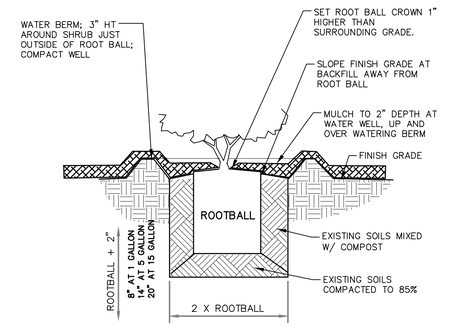


SECTION VIEW

3 TREE PLANTING

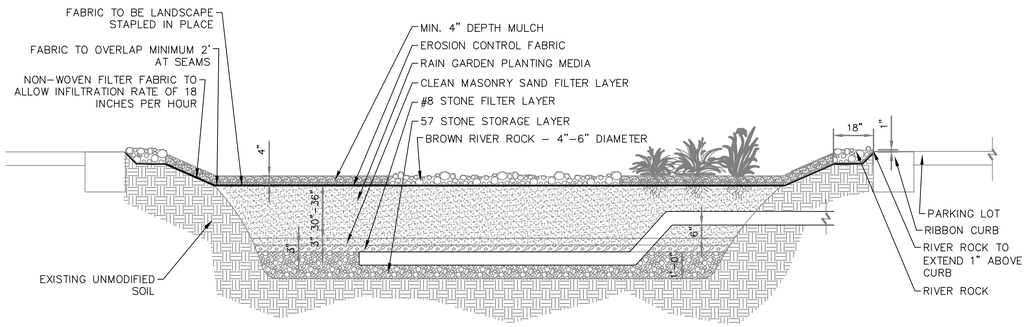
1" = 30'

FX-PL-FX-TREE-04



4 SHRUB PLANTING

FX-PL-FX-SHRB-07



NOTE: SEE CIVIL PLANS FOR RAIN GARDEN DIMENSIONS AND ELEVATIONS.

5 STANDARD BIO-RETENTION BASIN

3/8" = 1'-0"

P-PR-01

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CRANSTON

State of South Carolina
REGISTERED LANDSCAPE ARCHITECT
No. 1398
LAWRENCE FRANK CONSELL

REV #	DATE	DESCRIPTION

PRITCHARD STREET STREETSCAPE

LANDSCAPE DETAILS SHEET 2 OF 2

DRAWN BY:	LNA
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