

CITY OF PEMBROKE 2020 ROAD AND WATER IMPROVEMENTS

BRYAN COUNTY, GEORGIA

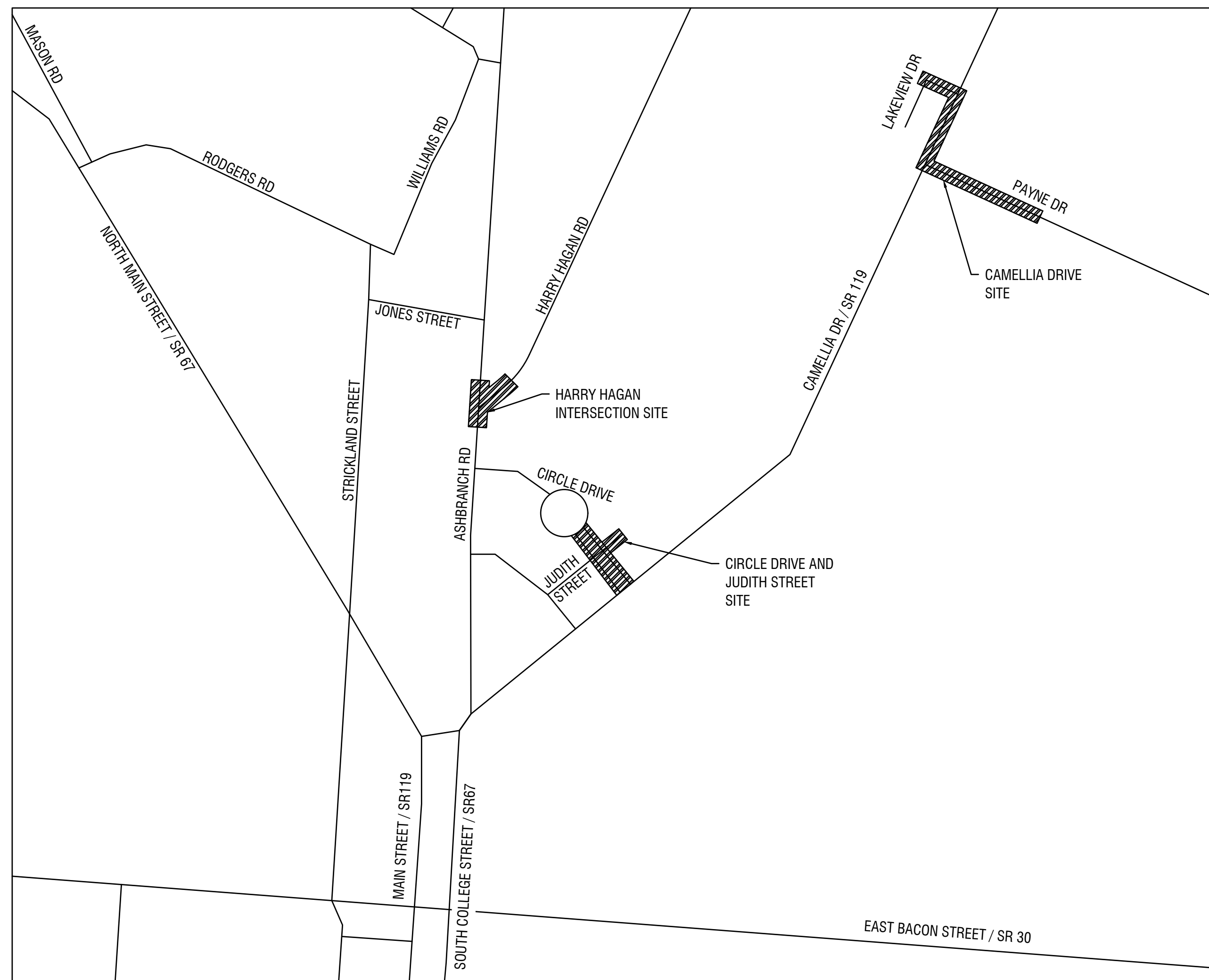
DATE: MAY 19, 2020

SHEET INDEX:

DESCRIPTION	SHEET
1. EXISTING CONDITIONS	SHEET C100-C102
2. SITE PLAN	SHEET C200-C204
3. GRADING PLAN	SHEET C300-C301
4. EROSION PLAN	SHEET C400-C402
5. DETAILS	SHEET C500-C501

DRAWING LEGEND

DESCRIPTION	PROPOSED	EXISTING
SANITARY SEWER		
UNDERGROUND WATER LINE		
FORCE MAIN		
STORM DRAINAGE PIPE		
UNDERGROUND TELEPHONE LINE		
UNDERGROUND TELEPHONE CONDUIT		
UNDERGROUND GAS LINE		
DITCH CENTERLINE		
SPOT ELEVATION		
TOP OF CURB ELEVATION		
FIRE HYDRANT		
SEWER MANHOLE		
WATER VALVE		
TELEPHONE MANHOLE		
LIGHT POLE		
SIGN		
WATER METER		
BENCHMARK		
CONCRETE MONUMENT FOUND		
GUY POLE		
IRON PIN FOUND		
IRON PIN SET		
TELEPHONE PEDESTAL		
POWER POLE		
HANDICAP SPACE		
SEDIMENT BASIN MARKER W/NOTCH		



VICINITY MAP
Not To Scale

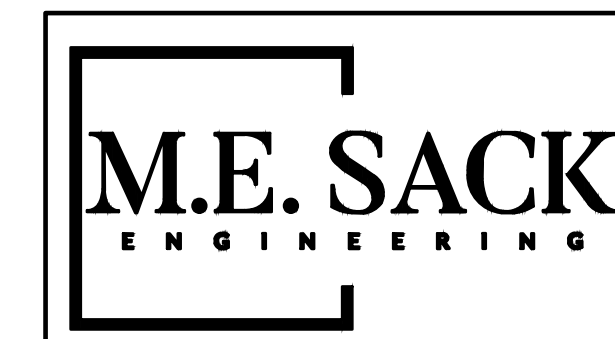


**Know what's below.
Call before you dig.**

Owner:
City of Pembroke
160 N Main St
Pembroke, GA 31321
(912) 653-4413
streets@pembrokega.net

24 HOUR CONTACT:
City of Pembroke
160 N Main St
Pembroke, GA 31321
(912) 653-4413
streets@pembrokega.net

DESIGN PROFESSIONAL:



515 NORTH MAIN STREET
P.O. BOX 649
HINESVILLE, GA 31313
TEL: (912) 368-5212

135 GOSHEN ROAD
SUITE 250
RINCON, GA 31326
TEL: (912) 295-2395

GENERAL NOTES

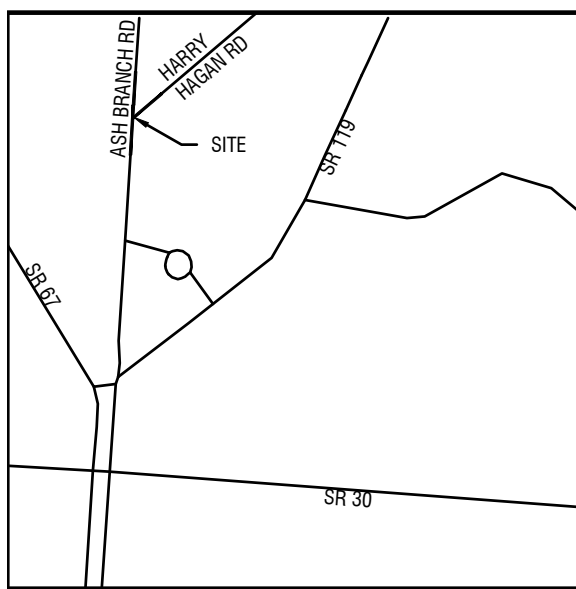
- ALL EXISTING UTILITIES SHOWN ARE LOCATED FROM BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACTUAL FIELD LOCATION AND PROTECTION OF EXISTING UTILITIES. OVERHEAD LINES ARE NOT SHOWN FOR CLARITY.
- ALL DISTURBED AREAS TO BE REVEGETATED IMMEDIATELY AFTER CONSTRUCTION, IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.
- ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY PROPERTY CORNERS, RIGHT OF WAY MONUMENTS, SIGNS OR OTHER STRUCTURES DISTURBED DURING CONSTRUCTION.
- ALL TRAFFIC AND SIGNAGE CONTROL SHALL BE IN ACCORDANCE WITH THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES, MUTCD, CURRENT EDITION.

JOB NO. 2020-35PRJ

REVISION NO.	DATE	DESCRIPTION

COVER SHEET

PLOT DATE: November 4, 2020



VICINITY MAP
Not To Scale



REVISIONS:

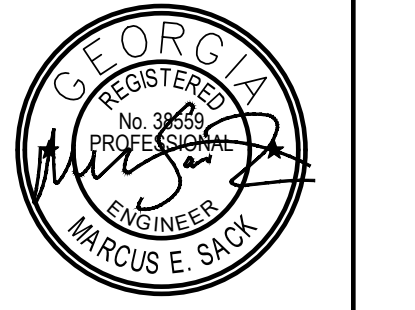
"THIS DRAWING IS AN INSTRUMENT OF SERVICE AND REMAINS THE PROPERTY OF P.C. SIMONTON & ASSOCIATES, INC. AND M.E. SACK ENGINEERING. IT MAY NOT BE COPIED, ALTERED, OR REPRODUCED IN ANY MANNER WITHOUT PERMISSION ON A SIGNED AND SEALED DOCUMENT. THE INFORMATION CONTAINED HEREIN IS INTENDED FOR THE NAMED CLIENT ONLY. IN THE EVENT OF AN ELECTRONIC VERSION P.C. SIMONTON & ASSOC., INC. AND M.E. SACK ENGINEERING ASSUMES NO RESPONSIBILITY FOR DATA GENERATED, ALTERED OR STATED FROM THIS DRAWING. IN THE EVENT OF A DISPUTE, HARD COPIES WILL TAKE PRECEDENCE OVER ANY ELECTRONIC MEDIA."

DESIGN PROFESSIONAL:

MARCUS E. SACK

515 NORTH MAIN STREET
P.O. BOX 649
HINESVILLE, GA 31313
TEL: (912) 368-5212

135 GOSHEN ROAD
SUITE 250
RINGON, GA 31326
TEL: (912) 295-2395



DATE: 10/30/2020



MUNICIPALITY:
CITY OF PEMBROKE

COUNTY:
BRYAN COUNTY

Owner:
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

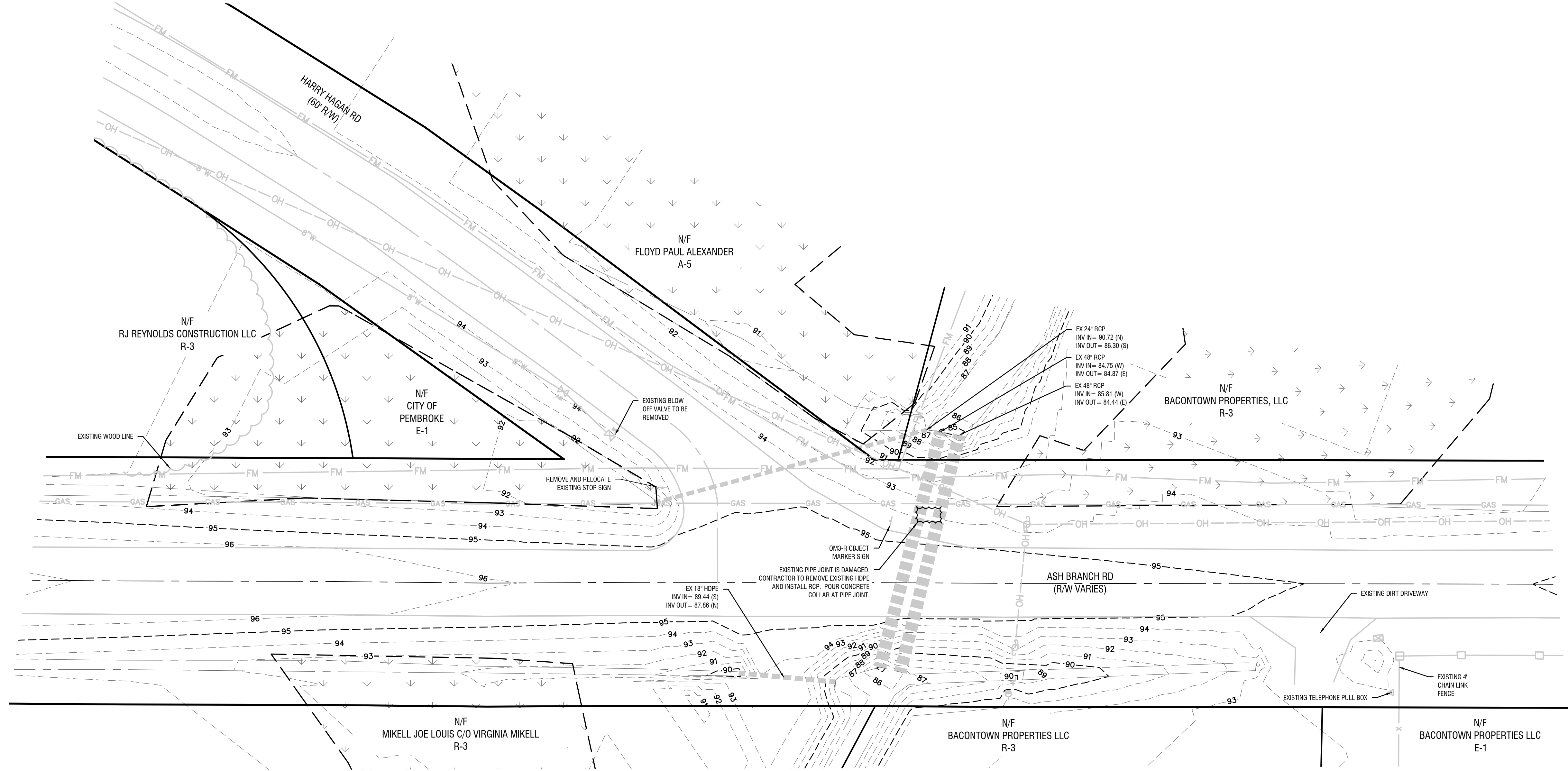
24 HOUR CONTACT:
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

Pembroke City
Street Improvements

HARRY HAGAN
EXISTING
CONDITIONS

C100

FILE NO: 2020-35
PLOT DATE: October 28, 2020

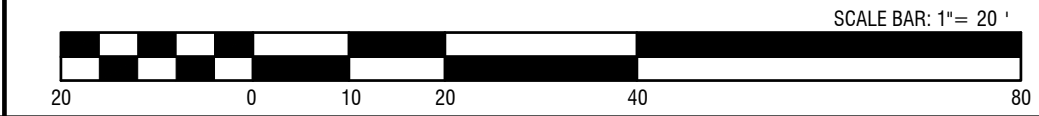


GENERAL NOTES:

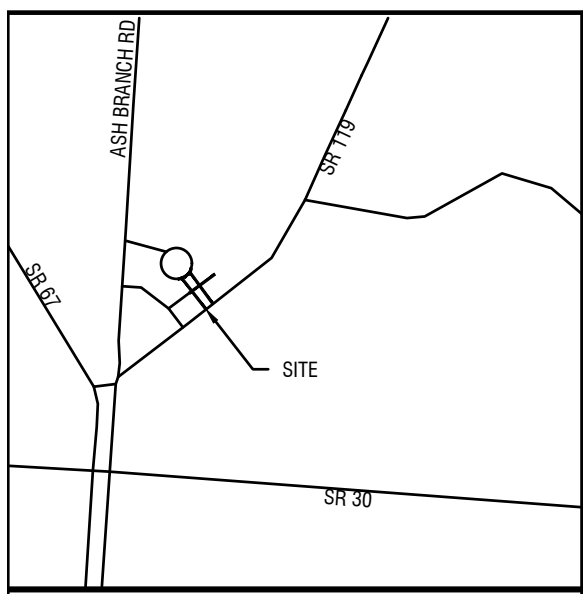
- ZONING - VARIES
- EROSION AND SEDIMENT CONTROL TO BE IN ACCORDANCE WITH THE PUBLICATION ENTITLED "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA"
- ALL DISTURBED AREAS ARE TO BE REVEGETATED IMMEDIATELY AFTER CONSTRUCTION IN ACCORDANCE WITH THE PUBLICATION ENTITLED "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA"
- THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO LAND DISTURBING ACTIVITIES.
- EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION.
- RIPRAP WILL BE USED TO STABILIZE DITCH BANKS IN AREAS WHERE STORM WATER FLOW CHANGES DIRECTION OR SLOPES ALLOW VELOCITY TO EXCEED 2 FT/SEC.
- UTILITY AND STREET INSTALLATION TO BE IN ACCORDANCE WITH THE BRYAN COUNTY STANDARD SPECIFICATIONS.
- THIS PARCEL IS IN A ZONE "O" ACCORDING TO THE BRYAN COUNTY FLOOD MAP COMMUNITY-PANEL NUMBER 13029C 0865D DATED 05/05/2014.
- ALL STREETS ARE PUBLIC IN NATURE.
- A 15' UTILITY EASEMENT RESERVED ADJACENT TO ROAD RIGHTS-OF-WAY AS PER BRYAN COUNTY REGULATIONS, SECTION 601.
- WETLANDS SHOWN ON THIS PLAN ARE UNDER THE JURISDICTION OF THE U.S. ARMY CORPS OF ENGINEERS. PROPERTY OWNERS MAY BE SUBJECT TO PENALTY BY LAW FOR DISTURBANCE TO THESE WETLAND AREAS WITHOUT PROPER AUTHORIZATION.
- SEWAGE DISPOSAL SYSTEM: CITY OF PEMBROKE
- WATER DISTRIBUTION SYSTEM: CITY OF PEMBROKE

SITE NOTES:

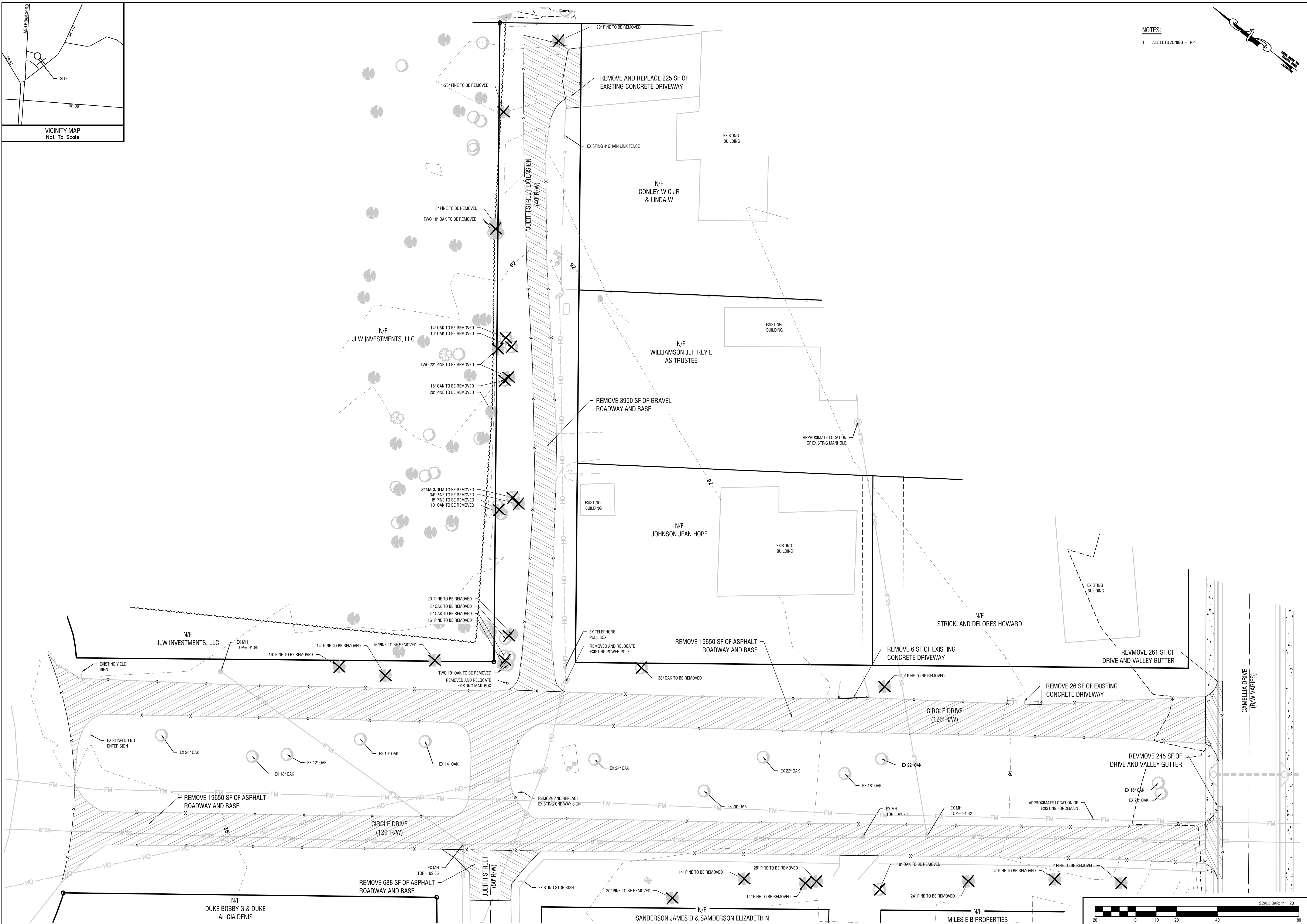
- TOTAL ACREAGE DISTURBED: 0.33AC
- ALL ROADS ARE GDOT CODE 2-PUBLIC ROADS.



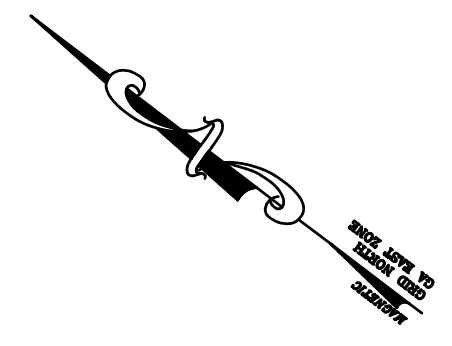
SCALE BAR: 1"= 20'



VICINITY MAP
Not To Scale



NOTES:
1. ALL LOTS ZONING = R-1



REVISIONS:

THIS DRAWING IS AN INSTRUMENT OF SERVICE AND REMAINS THE PROPERTY OF P.C. SIMONTON & ASSOCIATES, INC. AND M.E. SACK ENGINEERING. IT MAY NOT BE COPIED, ALTERED, OR REPRODUCED IN ANY MANNER WITHOUT PERMISSION ON A SIGNED AND SEALED DOCUMENT. THE INFORMATION CONTAINED HEREIN IS INTENDED FOR THE NAMED CLIENT ONLY. IN THE EVENT OF AN ELECTRONIC VERSION P.C. SIMONTON & ASSOC., INC. AND M.E. SACK ENGINEERING ASSUMES NO RESPONSIBILITY FOR DATA GENERATED, ALTERED OR STATED FROM THIS DRAWING. IN THE EVENT OF A DISPUTE, HARD COPIES WILL TAKE PRECEDENCE OVER ANY ELECTRONIC MEDIA.

DESIGN PROFESSIONAL:
MARCUS E. SACK

515 NORTH MAIN STREET
P.O. BOX 649
HINESVILLE, GA 31313
TEL: (912) 368-5212

135 GOSHEN ROAD
SUITE 250
RINGCON, GA 31326
TEL: (912) 295-2395

DATE: 10/30/2020

M.E. SACK ENGINEERING

MUNICIPALITY:
CITY OF PEMBROKE

COUNTY:
BRYAN COUNTY

Owner:
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

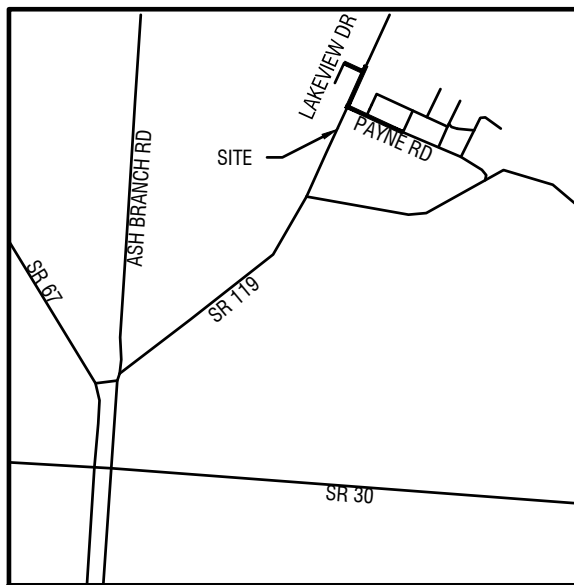
24 HOUR CONTACT:
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

Pembroke City
Street Improvements

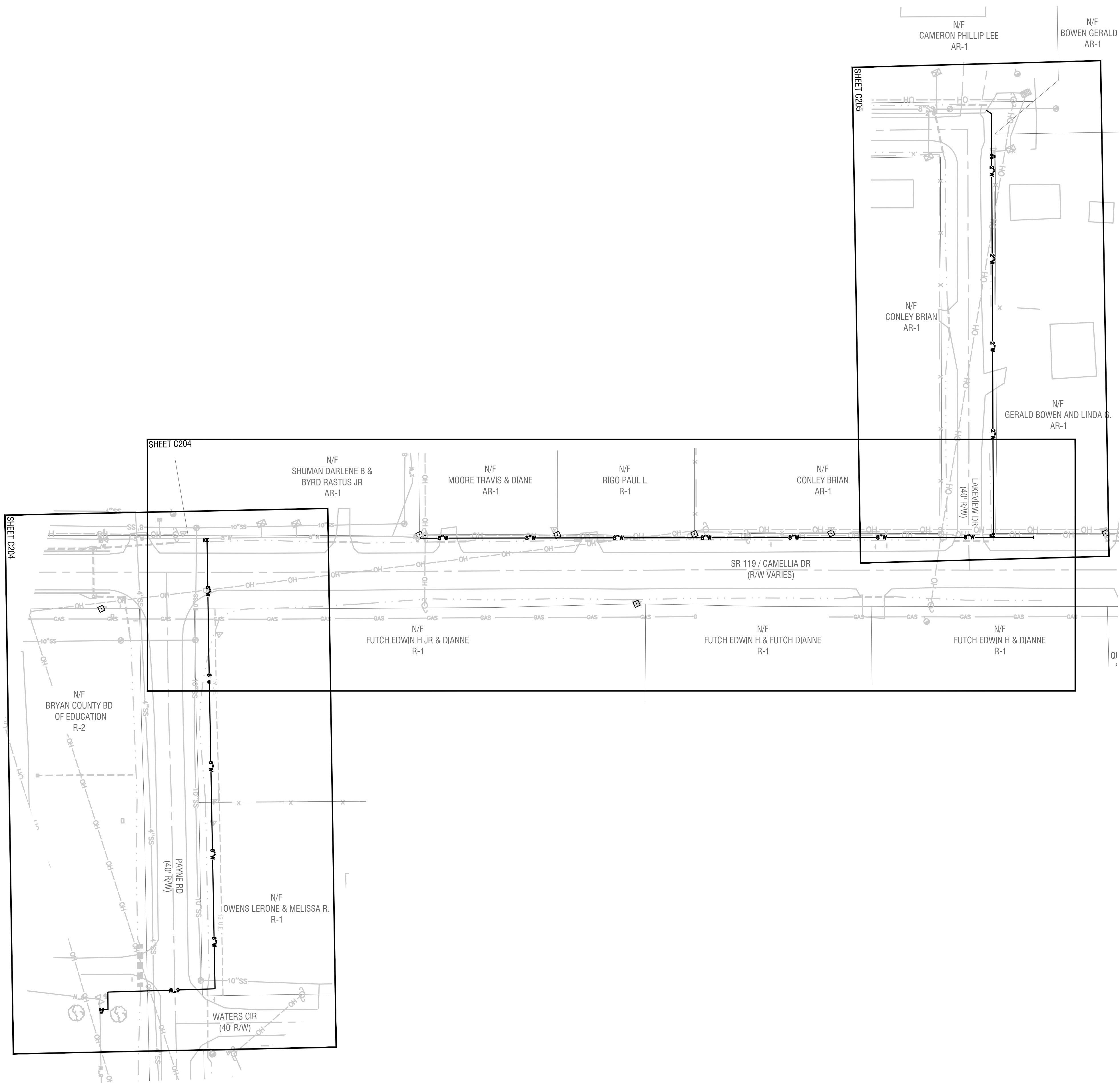
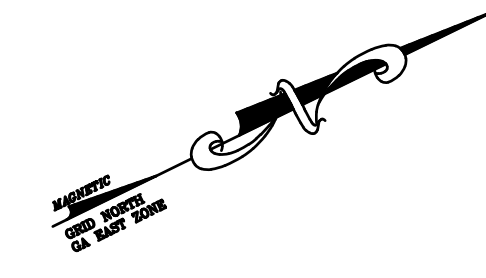
JUDITH STREET
EXISTING
CONDITIONS

C101

FILE NO: 2020-35
PLOT DATE: October 28, 2020



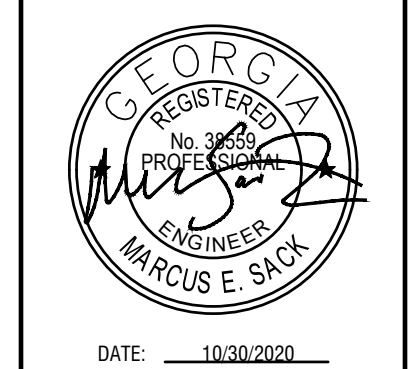
VICINITY MAP
Not To Scale



REVISIONS:

*THIS DRAWING IS AN INSTRUMENT OF SERVICE AND REMAINS THE PROPERTY OF P.C. SIMONTON & ASSOCIATES, INC. AND M.E. SACK ENGINEERING. IT MAY NOT BE COPIED, ALTERED, OR REPRODUCED IN ANY MANNER WITHOUT PERMISSION ON A SIGNED AND SEALED DOCUMENT. THE INFORMATION CONTAINED HEREIN IS INTENDED FOR THE NAMED CLIENT ONLY. IN THE EVENT OF AN ELECTRONIC VERSION P.C. SIMONTON & ASSOC., INC. AND M.E. SACK ENGINEERING ASSUMES NO RESPONSIBILITY FOR DATA GENERATED, ALTERED OR STALKED FROM THIS DRAWING. IN THE EVENT OF A DISPUTE, HARD COPIES WILL TAKE PRECEDENCE OVER ANY ELECTRONIC MEDIA.

DESIGN PROFESSIONAL:
 MARCUS E. SACK
 515 NORTH MAIN STREET
 P.O. BOX 649
 HINESVILLE, GA 31313
 TEL: (912) 368-5212
 135 GOSHEN ROAD
 SUITE 250
 RINCON, GA 31326
 TEL: (912) 295-2395



DATE: 10/30/2020



MUNICIPALITY:
 CITY OF PEMBROKE

COUNTY:
 BRYAN COUNTY

Owner:
 CITY OF PEMBROKE
 160 N MAIN ST
 PEMBROKE, GA 31321
 (912) 653-4413
 STREETS@PEMBROKEGA.NET

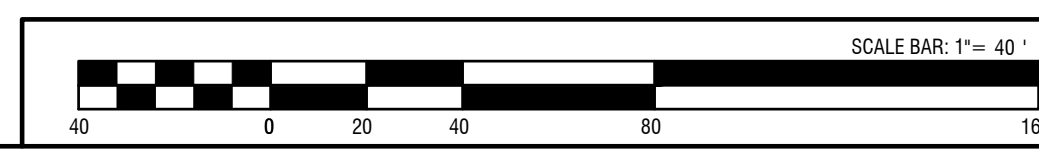
24 HOUR CONTACT:
 CITY OF PEMBROKE
 160 N MAIN ST
 PEMBROKE, GA 31321
 (912) 653-4413
 STREETS@PEMBROKEGA.NET

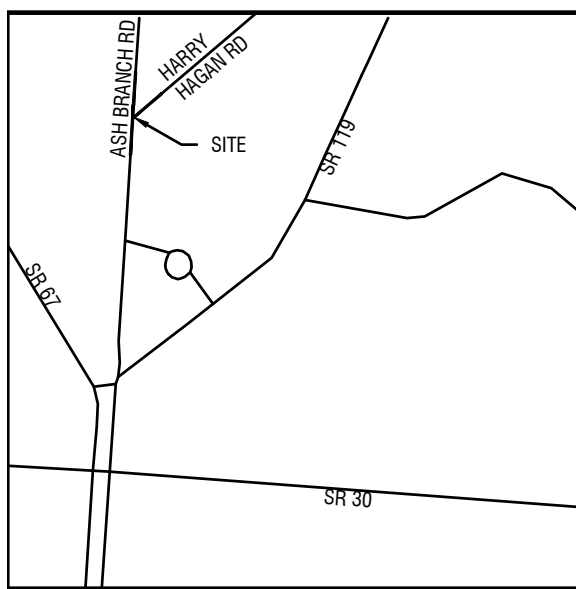
Pembroke City
 Street Improvements

CAMELLIA DR
 OVERALL PLAN

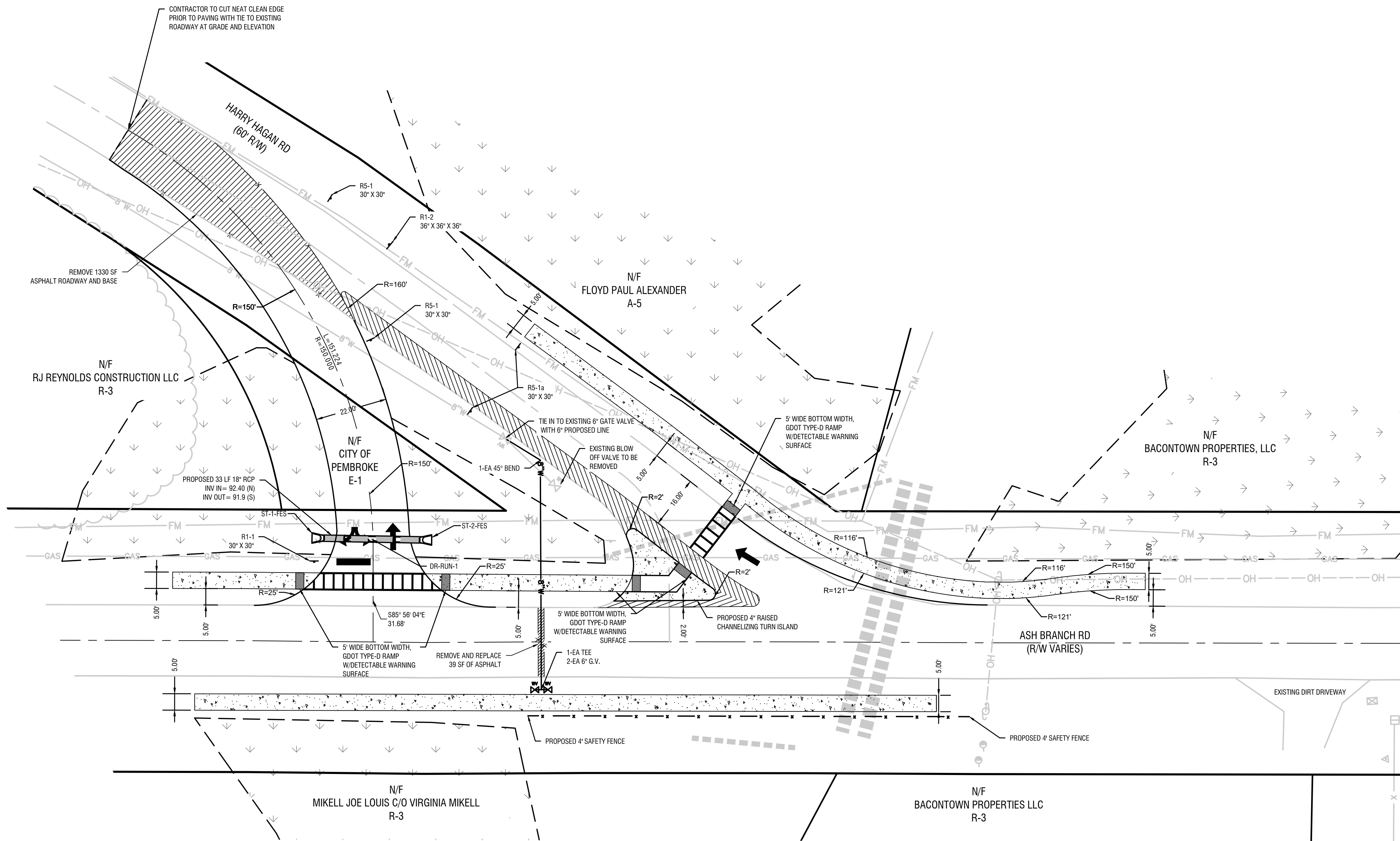
C102

FILE NO: 2020-35
 PLOT DATE: October 28, 2020





VICINITY MAP
Not To Scale



- SITE NOTES:**
- TOTAL ACREAGE DISTURBED: 0.33AC
 - ALL ROADS ARE GOOT CODE 2 - PUBLIC ROADS.

REVISIONS:

THIS DRAWING IS AN INSTRUMENT OF SERVICE AND REMAINS THE PROPERTY OF P.C. SIMONTON & ASSOCIATES, INC. AND M.E. SACK ENGINEERING. IT MAY NOT BE COPIED, ALTERED, OR REPRODUCED IN ANY MANNER WITHOUT PERMISSION ON A SIGNED AND SEALED DOCUMENT. THE INFORMATION CONTAINED HEREIN IS INTENDED FOR THE NAMED CLIENT ONLY. IN THE EVENT OF AN ELECTRONIC VERSION P.C. SIMONTON & ASSOC., INC. AND M.E. SACK ENGINEERING ASSUMES NO RESPONSIBILITY FOR DATA GENERATED, ALTERED OR STATED FROM THIS DRAWING. IN THE EVENT OF A DISPUTE, HARD COPIES WILL TAKE PRECEDENCE OVER ANY ELECTRONIC MEDIA.

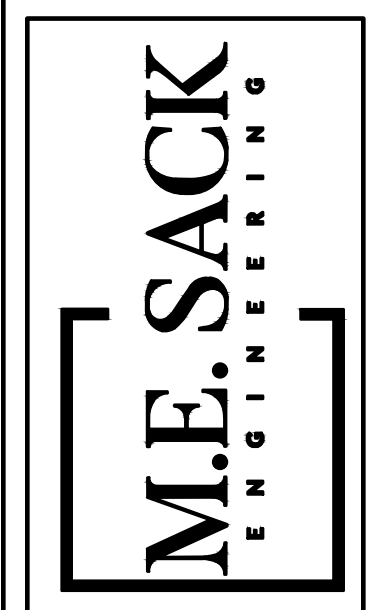
DESIGN PROFESSIONAL:
MARCUS E. SACK

515 NORTH MAIN STREET
P.O. BOX 649
HINESVILLE, GA 31313
TEL: (912) 368-5212

135 GOSHEN ROAD
SUITE 250
RINGON, GA 31326
TEL: (912) 295-2395



DATE: 10/30/2020



MUNICIPALITY:
CITY OF PEMBROKE

COUNTY:
BRYAN COUNTY

Owner:
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

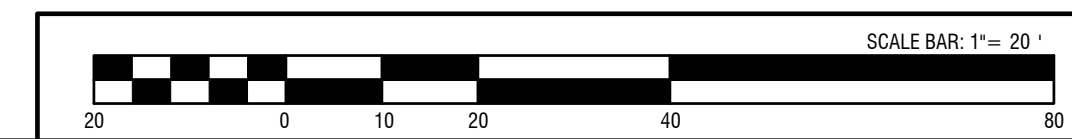
24 HOUR CONTACT:
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

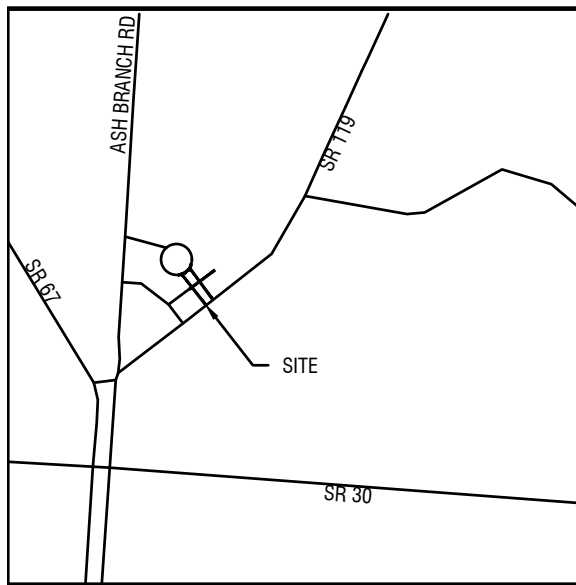
Pembroke City
Street Improvements

HARRY HAGAN
SITE
PLAN

C200

FILE NO: 2020-35
PLOT DATE: October 28, 2020



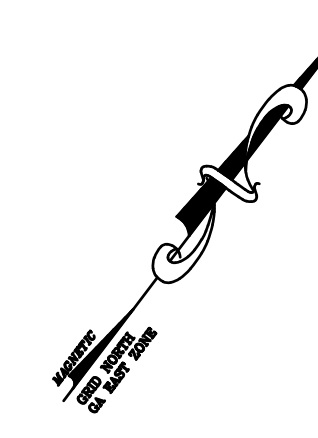


VICINITY MAP
Not To Scale

CONSTRUCTION SEQUENCE NOTE:

FOR ROADWAY CONSTRUCTION ALONG THE JUDITH STREET EXTENSION CONTRACTOR IS TO:

1. COMPLETELY REMOVE EXISTING GRAVEL ROAD AND EXCAVATE ANY EXISTING SUBGRADE CRUSH RUN.
2. REMOVE STRIPPING AND ORGANICS FROM ROAD BED AREA.
3. PLACE 6" MINIMUM OF GRADED AGGREGATE BASE (GAB) TO ACHIEVE SLOPE IDENTIFIED IN ROAD PROFILE.
4. PLACE 1.5" SUPERPAVE OVER GAB ENSURING SURFACE MAINTAINS DESIGN SLOPE.



REVISIONS:

NO.	DATE	DESCRIPTION

"THIS DRAWING IS AN INSTRUMENT OF SERVICE AND REMAINS THE PROPERTY OF P.C. SIMONTON & ASSOCIATES, INC. AND M.E. SACK ENGINEERING. IT MAY NOT BE COPIED, ALTERED, OR REPRODUCED IN ANY MANNER WITHOUT PERMISSION ON A SIGNED AND SEALED DOCUMENT. THE INFORMATION CONTAINED HEREIN IS INTENDED FOR THE NAMED CLIENT ONLY. IN THE EVENT OF AN ELECTRONIC VERSION P.C. SIMONTON & ASSOC., INC. AND M.E. SACK ENGINEERING ASSUMES NO RESPONSIBILITY FOR DATA GENERATED, ALTERED OR STATED FROM THIS DRAWING. IN THE EVENT OF A DISPUTE, HARD COPIES WILL TAKE PRECEDENCE OVER ANY ELECTRONIC MEDIA."

DESIGN PROFESSIONAL:

MARCUS E. SACK

515 NORTH MAIN STREET
P.O. BOX 649
HINESVILLE, GA 31313
TEL: (912) 368-5212

135 GOSHEN ROAD
SUITE 250
RINGON, GA 31326
TEL: (912) 295-2395



DATE: 10/30/2020



MUNICIPALITY:

CITY OF PEMBROKE

COUNTY:

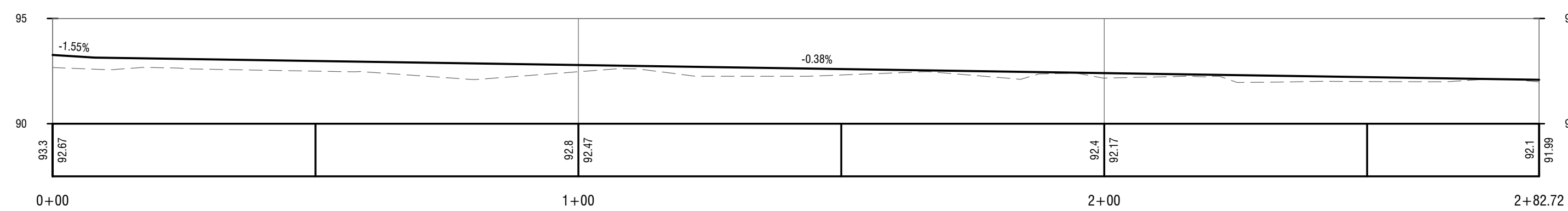
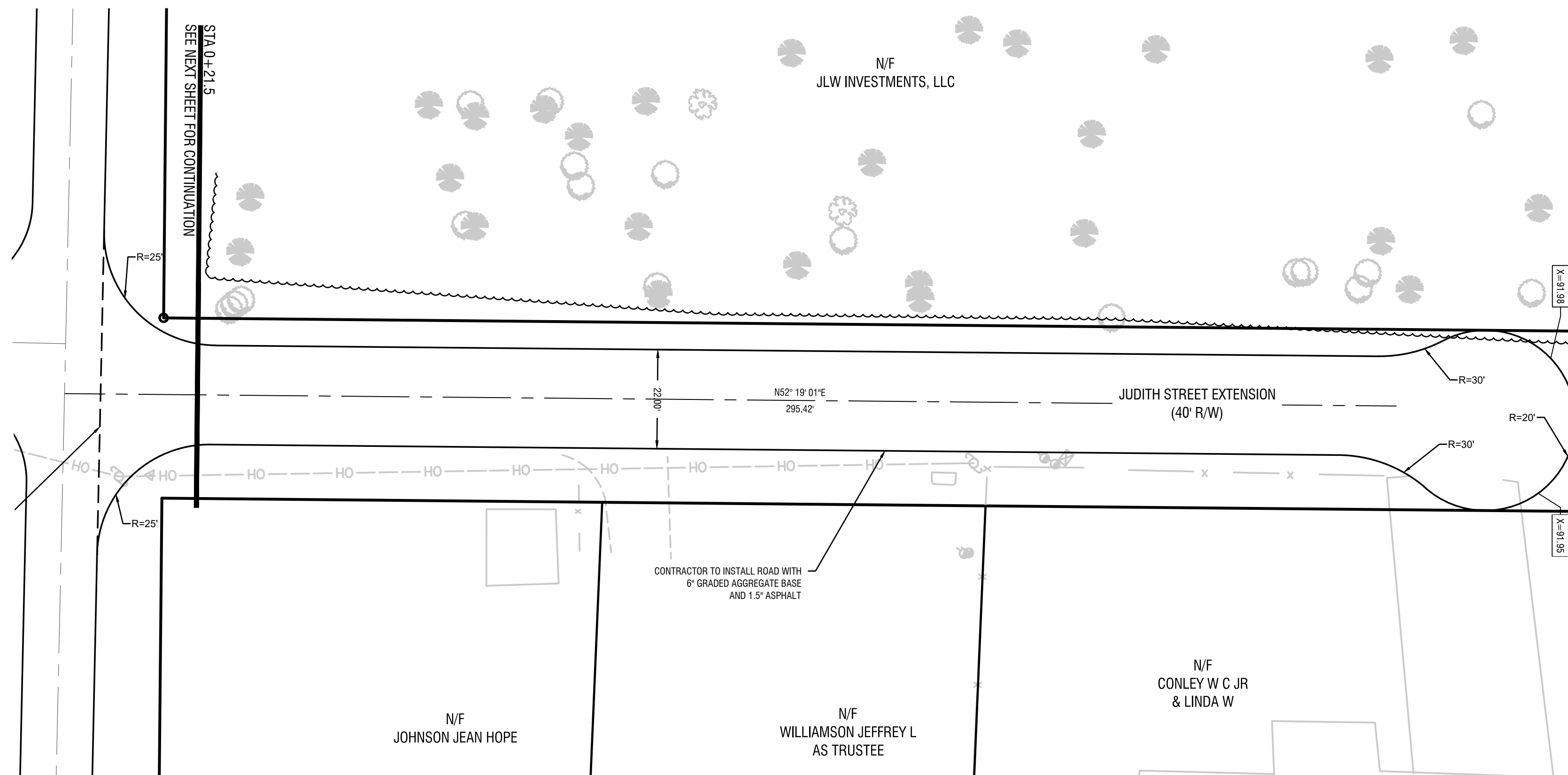
BRYAN COUNTY

Owner:

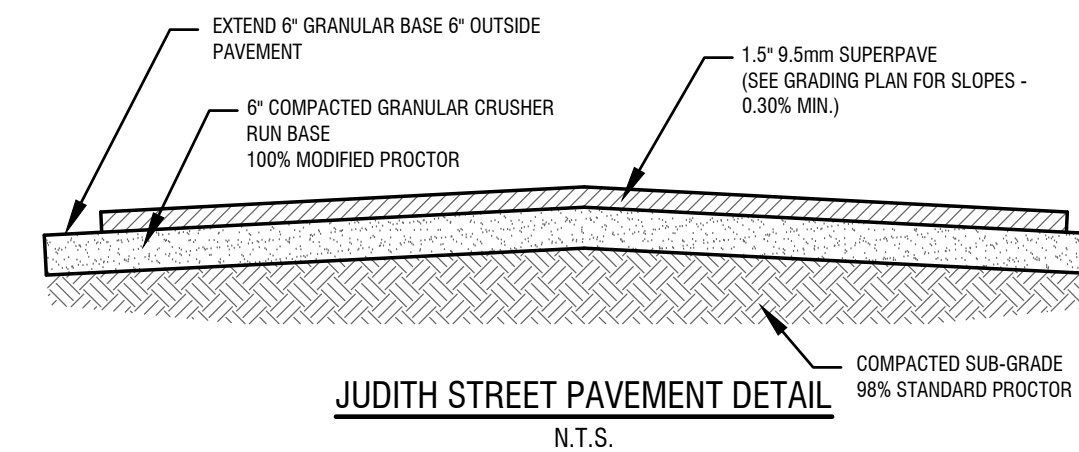
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

24 HOUR CONTACT:

CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET



JUDITH ST EXTENSION PROFILE
VERT. SCALE: 1"=5'
HORIZ SCALE: 1"=20'



JUDITH STREET PAVEMENT DETAIL
N.T.S.



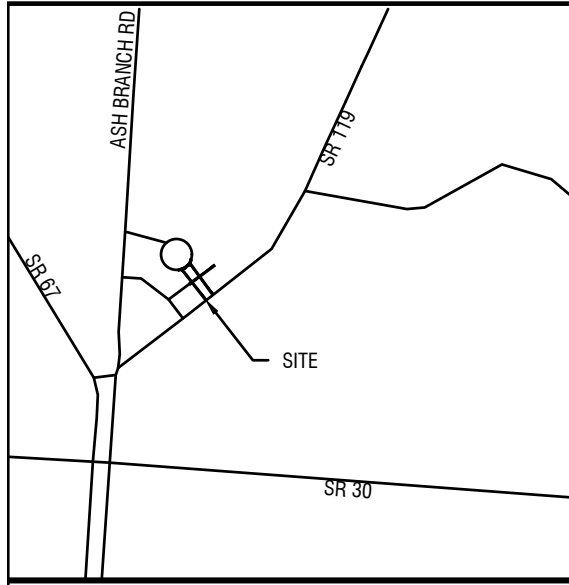
Pembroke City
Street Improvements

JUDITH STREET
SITE
PLAN

C201

FILE NO: 2020-35

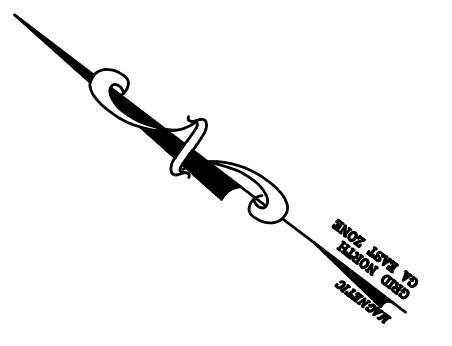
PLOT DATE: October 28, 2020



VICINITY MAP
Not To Scale

CONSTRUCTION SEQUENCE NOTE:

- FOR ROADWAY CONSTRUCTION ALONG THE CIRCLE DRIVE NORTH AND SOUTH ONE WAY STREETS. CONTRACTOR IS TO:
1. COMPLETELY REMOVE EXISTING ASPHALT ROADWAY AND EXCAVATE ALL EXISTING SUBGRADE CRUSH RUN.
 2. REMOVE STRIPPING AND ORGANICS FROM ROAD BED AREA.
 3. PLACE 6" MINIMUM OF GRADED AGGREGATE BASE (GAB) TO ACHIEVE SLOPE IDENTIFIED IN ROAD PROFILE.
 4. PLACE 1.5" SUPERPAVE OVER GAB ENSURING SURFACE MAINTAINS DESIGN SLOPE.
 5. ROAD CENTERLINE PROFILE TO GENERALLY MATCH EXISTING CENTERLINE PROFILE. PROFILES SHOWN DISPLAY PROPOSED CENTERLINE MATCHING EXISTING CENTER LINE WITHOUT UNDULATION.

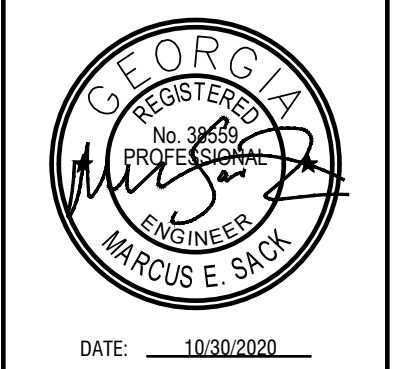


REVISIONS:

NO.	DESCRIPTION

DESIGN PROFESSIONAL:

MARCUS E. SACK
515 NORTH MAIN STREET
P.O. BOX 649
HINESVILLE, GA 31313
TEL: (912) 368-5212
135 GOSHEN ROAD
SUITE 250
RINGON, GA 31326
TEL: (912) 295-2395



DATE: 10/30/2020



MUNICIPALITY:
CITY OF PEMBROKE

COUNTY:
BRYAN COUNTY

Owner:
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

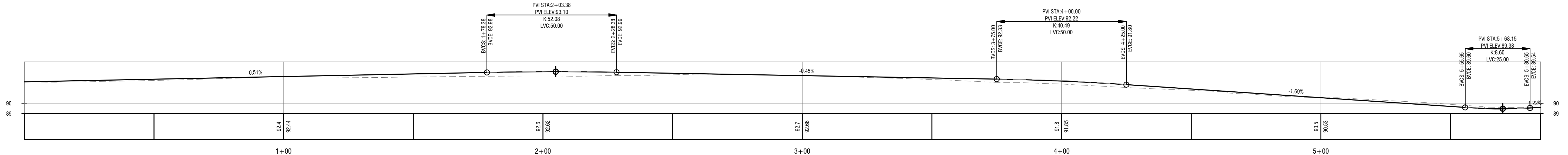
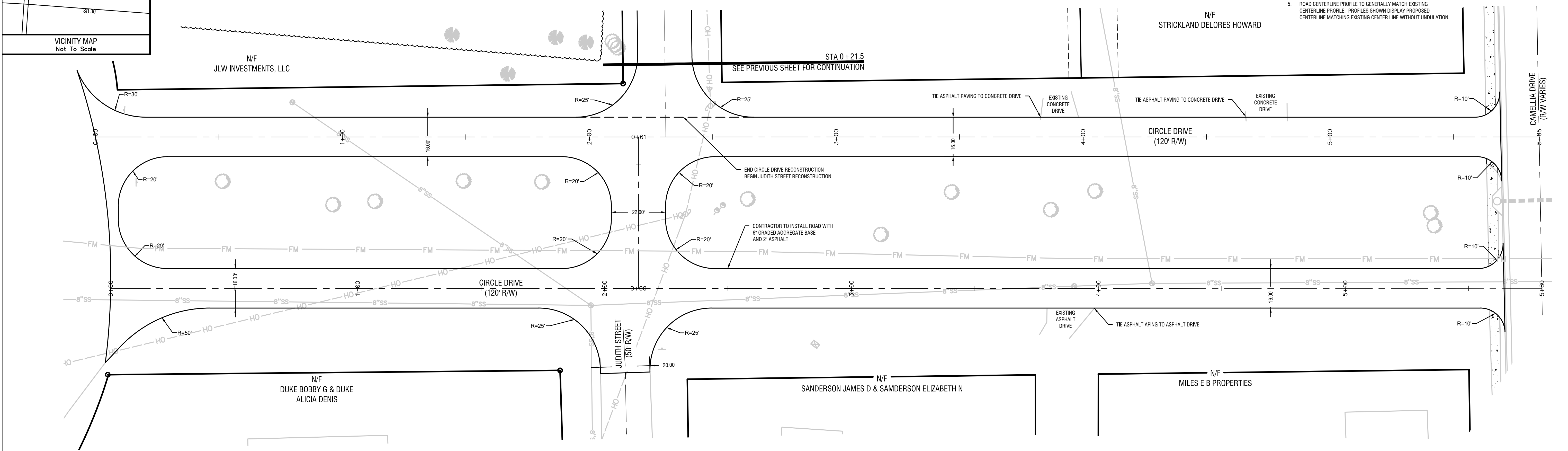
24 HOUR CONTACT:
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

Pembroke City
Street Improvements

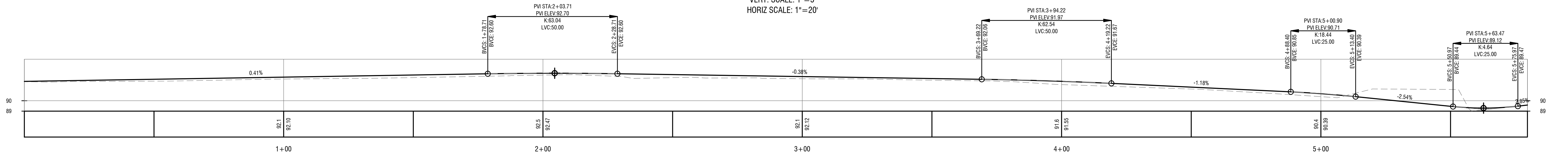
CIRCLE DRIVE
SITE
PLAN

C202

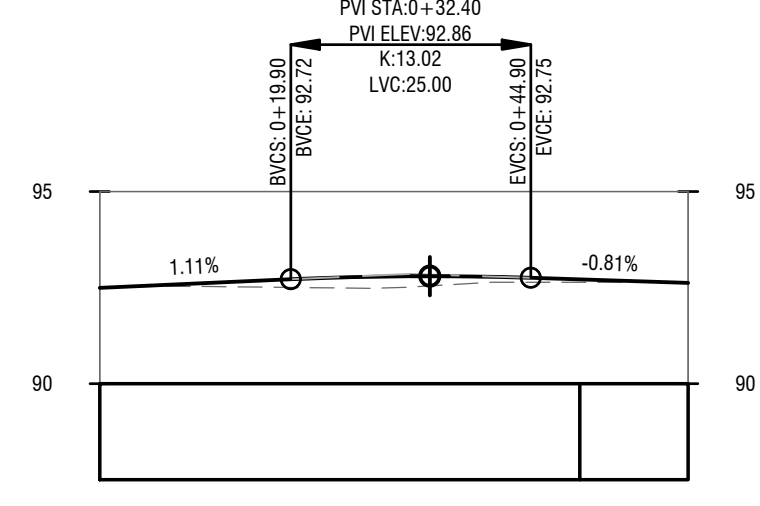
FILE NO: 2020-35
PLOT DATE: October 28, 2020



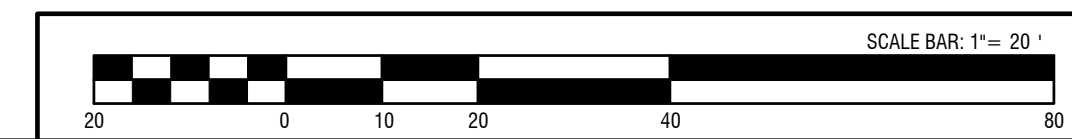
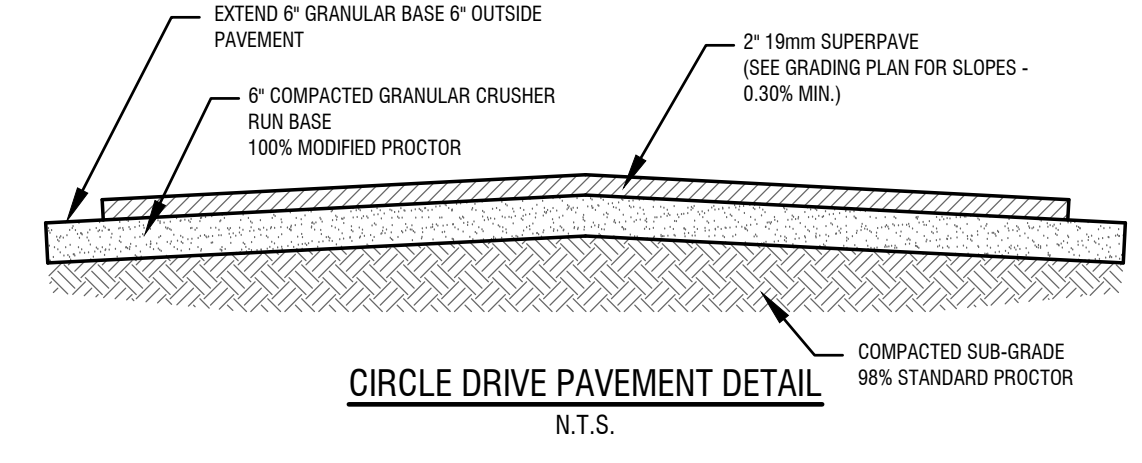
CIRCLE DRIVE NORTH PROFILE
VERT. SCALE: 1"=5'
HORIZ. SCALE: 1"=20'

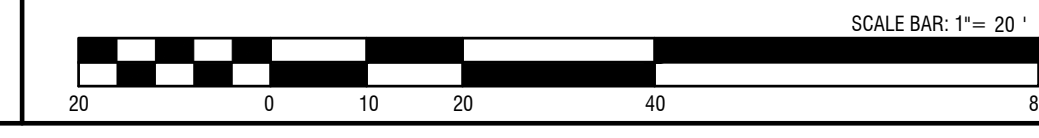
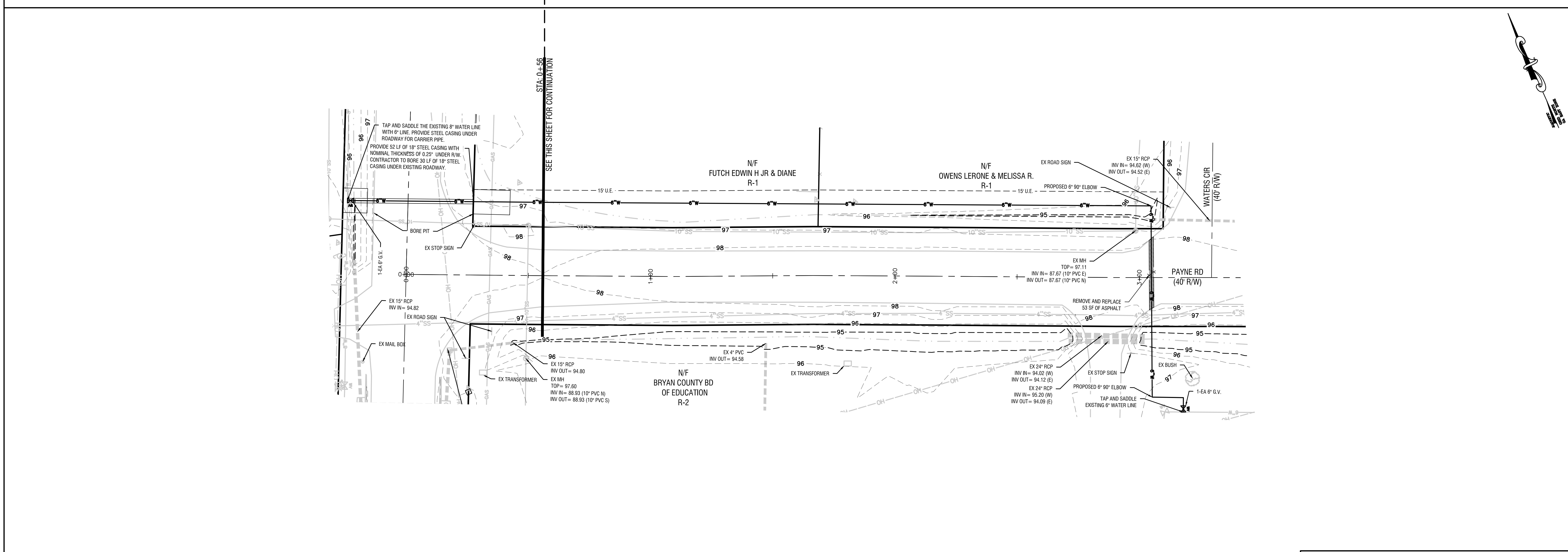
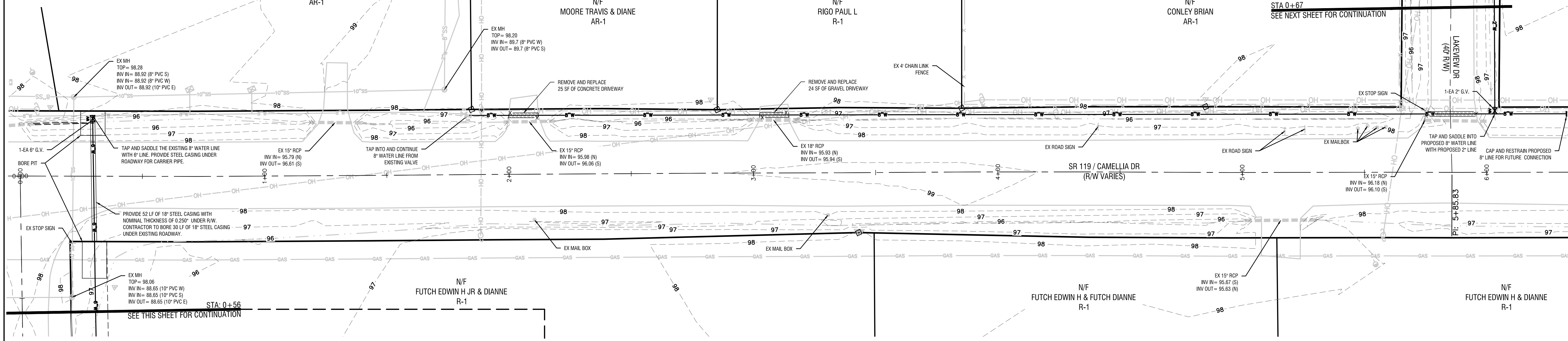
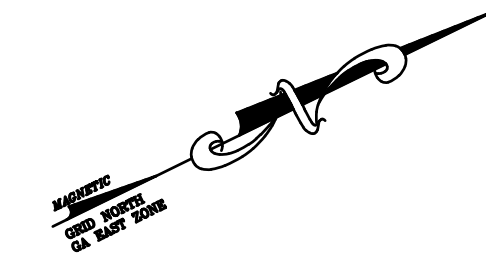
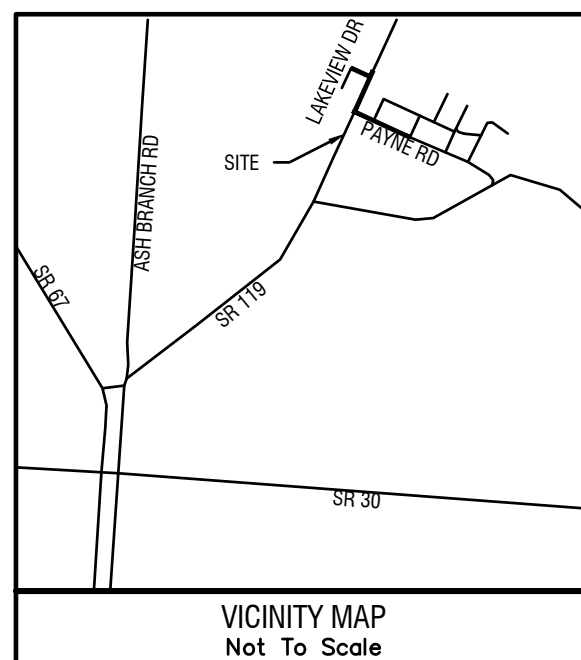


CIRCLE DRIVE SOUTH PROFILE
VERT. SCALE: 1"=5'
HORIZ. SCALE: 1"=20'



JUDITH STREET OVER CIRCLE DRIVE PROFILE
VERT. SCALE: 1"=5'
HORIZ. SCALE: 1"=20'





NO.	DESCRIPTION	DATE

THIS DRAWING IS AN INSTRUMENT OF SERVICE AND REMAINS THE PROPERTY OF P.C. SIMONTON & ASSOCIATES, INC. AND M.E. SACK ENGINEERING. IT MAY NOT BE COPIED, ALTERED, OR REPRODUCED IN ANY MANNER WITHOUT PERMISSION ON A SIGNED AND SEALED DOCUMENT. THE INFORMATION CONTAINED HEREIN IS INTENDED FOR THE NAMED CLIENT ONLY. IN THE EVENT OF AN ELECTRONIC VERSION OF THIS DRAWING, THE INFORMATION CONTAINED HEREIN SHALL TAKE PRECEDENCE OVER ANY ELECTRONIC MEDIA.

DESIGN PROFESSIONAL:
MARCUS E. SACK
 515 NORTH MAIN STREET
 P.O. BOX 649
 HINESVILLE, GA 31313
 TEL: (912) 368-5212
 135 GOSHEN ROAD
 SUITE 250
 RINGGOLD, GA 31326
 TEL: (912) 295-2395



DATE: 10/30/2020



MUNICIPALITY:
 CITY OF PEMBROKE

COUNTY:
 BRYAN COUNTY

Owner:
 CITY OF PEMBROKE
 160 N MAIN ST
 PEMBROKE, GA 31321
 (912) 653-4413
 STREETS@PEMBROKEGA.NET

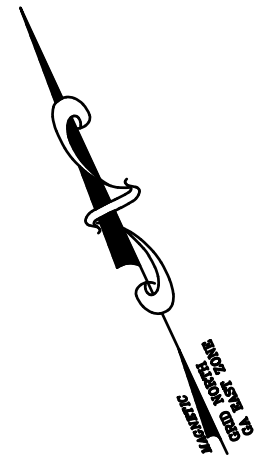
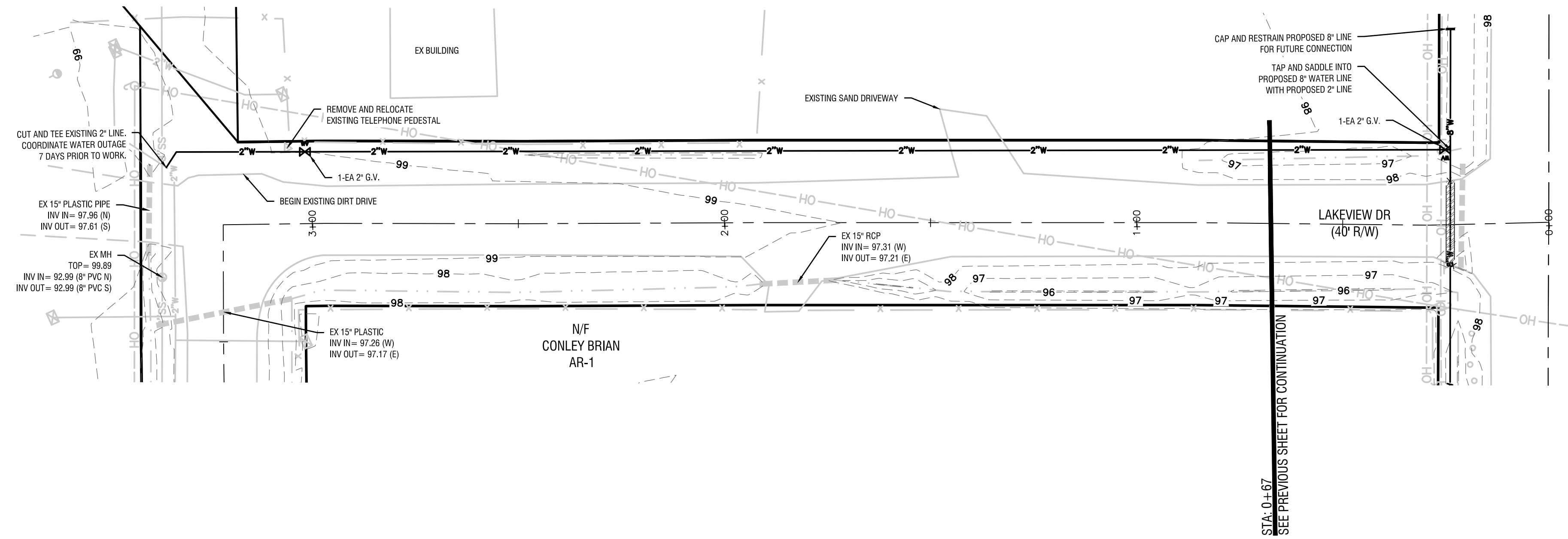
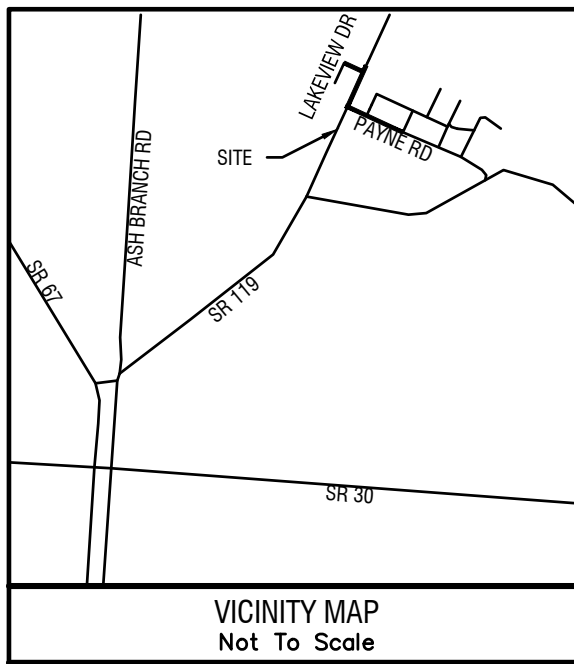
24 HOUR CONTACT:
 CITY OF PEMBROKE
 160 N MAIN ST
 PEMBROKE, GA 31321
 (912) 653-4413
 STREETS@PEMBROKEGA.NET

Pembroke City
Street Improvements

CAMELLIA DR
SITE
PLAN

C203

FILE NO: 2020-35
PLOT DATE: October 28, 2020



REVISIONS:

THIS DRAWING IS AN INSTRUMENT OF SERVICE AND REMAINS THE PROPERTY OF P.C. SIMONTON & ASSOCIATES, INC. AND M.E. SACK ENGINEERING. IT MAY NOT BE COPIED, ALTERED, OR REPRODUCED IN ANY MANNER WITHOUT PERMISSION ON A SIGNED AND SEALED DOCUMENT. THE INFORMATION CONTAINED HEREIN IS INTENDED FOR THE NAMED CLIENT ONLY. IN THE EVENT OF AN ELECTRONIC VERSION P.C. SIMONTON & ASSOC., INC. AND M.E. SACK ENGINEERING ASSUMES NO RESPONSIBILITY FOR DATA GENERATED, ALTERED OR STAKED FROM THIS DRAWING. IN THE EVENT OF A DISPUTE, HARD COPIES WILL TAKE PRECEDENCE OVER ANY ELECTRONIC MEDIA.

DESIGN PROFESSIONAL:
 MARCUS E. SACK
 515 NORTH MAIN STREET
 P.O. BOX 649
 HINESVILLE, GA 31313
 TEL: (912) 368-5212
 135 GOSHEN ROAD
 SUITE 250
 RINCON, GA 31326
 TEL: (912) 295-2395



DATE: 10/30/2020



MUNICIPALITY:
 CITY OF PEMBROKE

COUNTY:
 BRYAN COUNTY

Owner:
 CITY OF PEMBROKE
 160 N MAIN ST
 PEMBROKE, GA 31321
 (912) 653-4413
 STREETS@PEMBROKEGA.NET

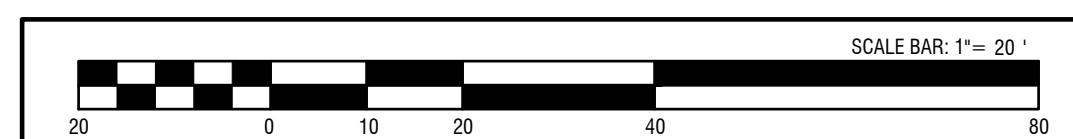
24 HOUR CONTACT:
 CITY OF PEMBROKE
 160 N MAIN ST
 PEMBROKE, GA 31321
 (912) 653-4413
 STREETS@PEMBROKEGA.NET

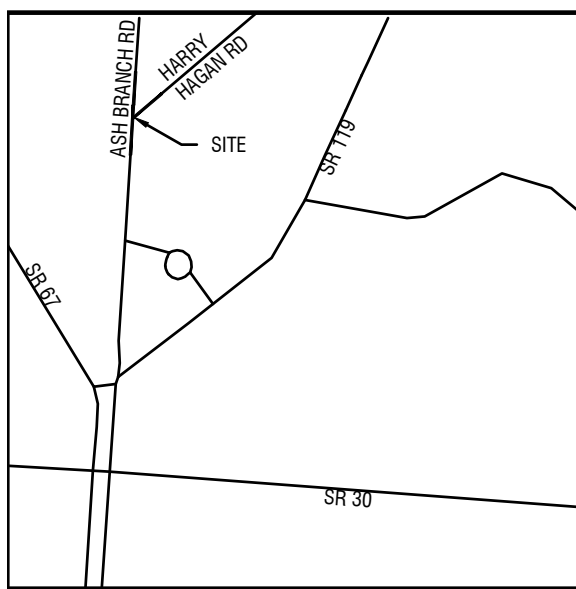
Pembroke City
 Street Improvements

LAKEVIEW DR
 SITE
 PLAN

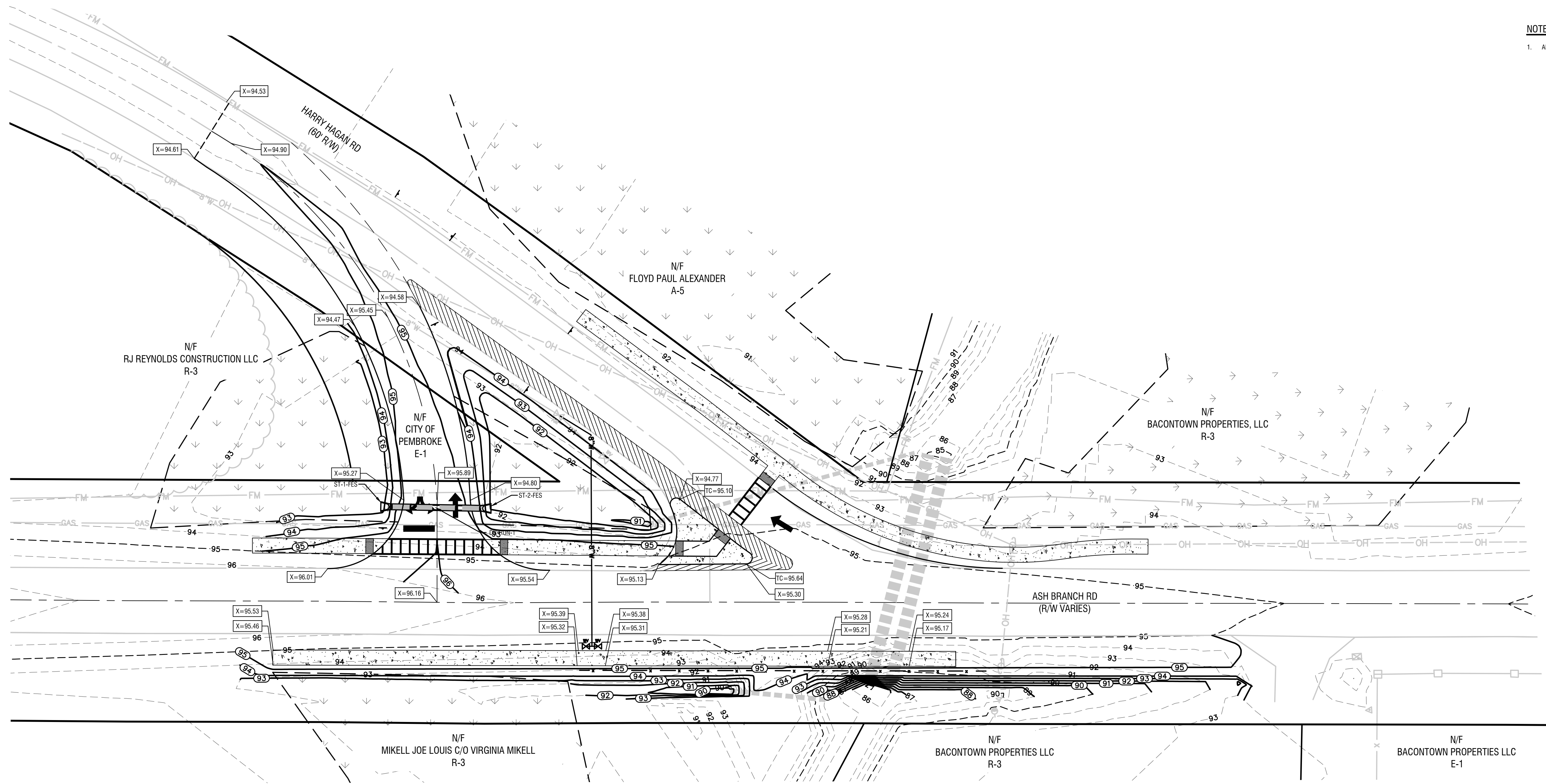
C204

FILE NO: 2020-35
 PLOT DATE: October 28, 2020





VICINITY MAP
Not To Scale



NOTES:
1. ALL ROADS ARE GDOT CODE 2-PUBLIC ROADS.

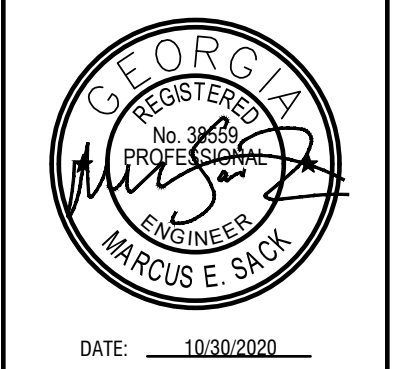
REVISIONS:

THIS DRAWING IS AN INSTRUMENT OF SERVICE AND REMAINS THE PROPERTY OF P.C. SIMOLTON & ASSOCIATES, INC. AND M.E. SACK ENGINEERING. IT MAY NOT BE COPIED, ALTERED, OR REPRODUCED IN ANY MANNER WITHOUT PERMISSION ON A SIGNED AND SEALED DOCUMENT. THE INFORMATION CONTAINED HEREIN IS INTENDED FOR THE NAMED CLIENT ONLY. IN THE EVENT OF AN ELECTRONIC VERSION P.C. SIMOLTON & ASSOC., INC. AND M.E. SACK ENGINEERING ASSUMES NO RESPONSIBILITY FOR DATA GENERATED, ALTERED OR STATED FROM THIS DRAWING. IN THE EVENT OF A DISPUTE, HARD COPIES WILL TAKE PRECEDENCE OVER ANY ELECTRONIC MEDIA.

DESIGN PROFESSIONAL:
MARCUS E. SACK

515 NORTH MAIN STREET
P.O. BOX 649
HINESVILLE, GA 31313
TEL: (912) 368-5212

135 GOSHEN ROAD
SUITE 250
RINGON, GA 31326
TEL: (912) 295-2395



MUNICIPALITY:
CITY OF PEMBROKE

COUNTY:
BRYAN COUNTY

Owner:
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

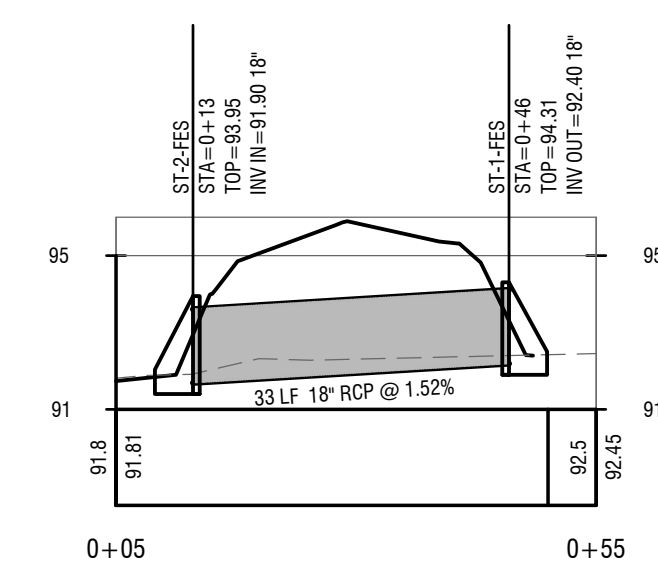
24 HOUR CONTACT:
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

Pembroke City
Street Improvements

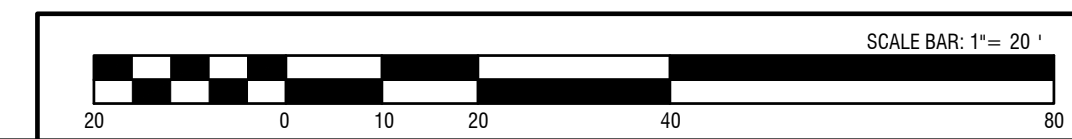
HARRY HAGAN
GRADING
PLAN

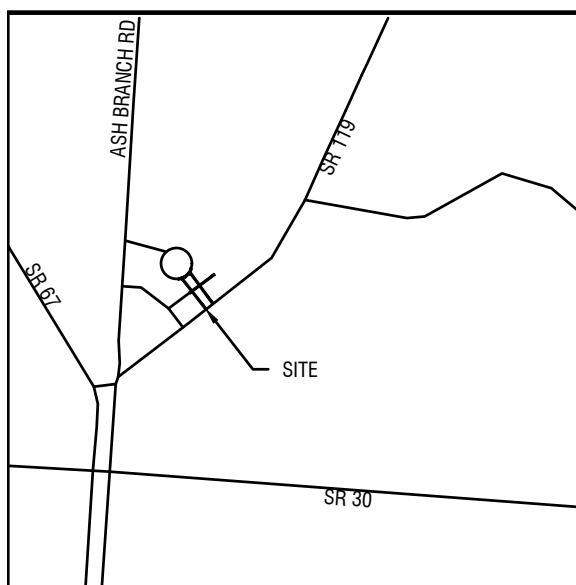
C300

FILE NO: 2020-35
PLOT DATE: October 28, 2020

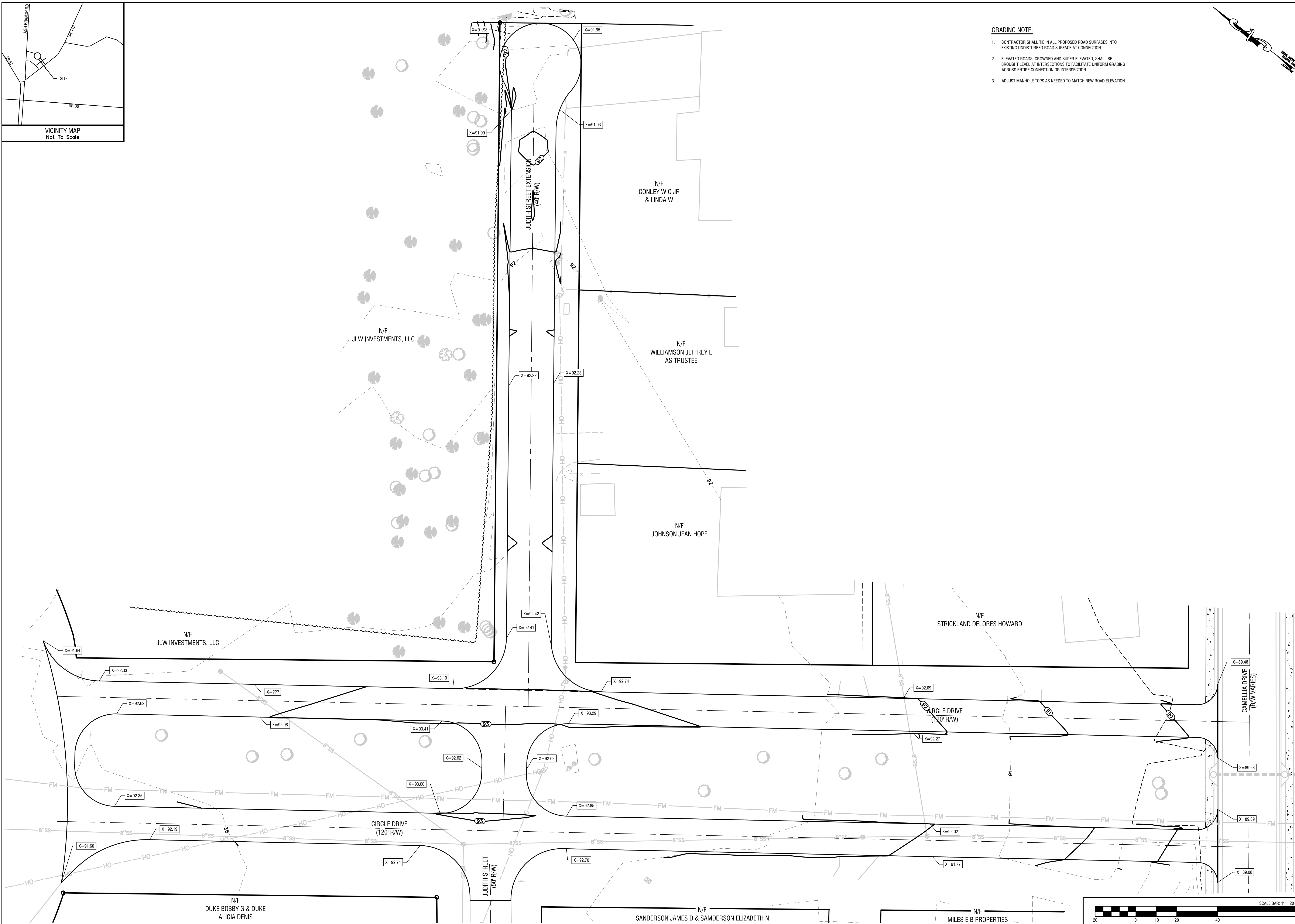


DR-RUN-1 PROFILE
VERT. SCALE: 1"=5'
HORIZ SCALE: 1"=20'



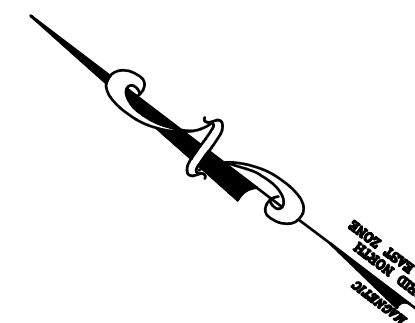


VICINITY MAP
Not To Scale



GRADING NOTE:

1. CONTRACTOR SHALL TIE IN ALL PROPOSED ROAD SURFACES INTO EXISTING UNDISTURBED ROAD SURFACE AT CONNECTION.
2. ELEVATED ROADS, CROWNED AND SUPER ELEVATED, SHALL BE BROUGHT LEVEL AT INTERSECTIONS TO FACILITATE UNIFORM GRADING ACROSS ENTIRE CONNECTION OR INTERSECTION.
3. ADJUST MANHOLE TOPS AS NEEDED TO MATCH NEW ROAD ELEVATION



REVISIONS:

NO.	DATE	DESCRIPTION

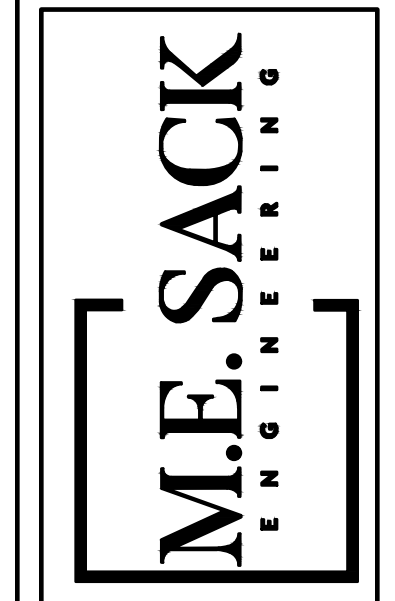
"THIS DRAWING IS AN INSTRUMENT OF SERVICE AND REMAINS THE PROPERTY OF P.C. SIMONTON & ASSOCIATES, INC. AND M.E. SACK ENGINEERING. IT MAY NOT BE COPIED, ALTERED, OR REPRODUCED IN ANY MANNER WITHOUT PERMISSION ON A SIGNED AND SEALED DOCUMENT. THE INFORMATION CONTAINED HEREIN IS INTENDED FOR THE NAMED CLIENT ONLY. IN THE EVENT OF AN ELECTRONIC VERSION P.C. SIMONTON & ASSOC., INC. AND M.E. SACK ENGINEERING ASSUMES NO RESPONSIBILITY FOR DATA GENERATED, ALTERED OR STATED FROM THIS DRAWING. IN THE EVENT OF A DISPUTE, HARD COPIES WILL TAKE PRECEDENCE OVER ANY ELECTRONIC MEDIA."

DESIGN PROFESSIONAL:

MARCUS E. SACK
515 NORTH MAIN STREET
P.O. BOX 649
HINESVILLE, GA 31313
TEL: (912) 368-5212
135 GOSHEN ROAD
SUITE 250
RINGON, GA 31326
TEL: (912) 295-2395



DATE: 10/30/2020



MUNICIPALITY:
CITY OF PEMBROKE

COUNTY:
BRYAN COUNTY

Owner:
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

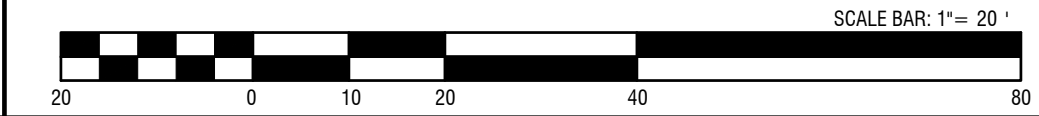
24 HOUR CONTACT:
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

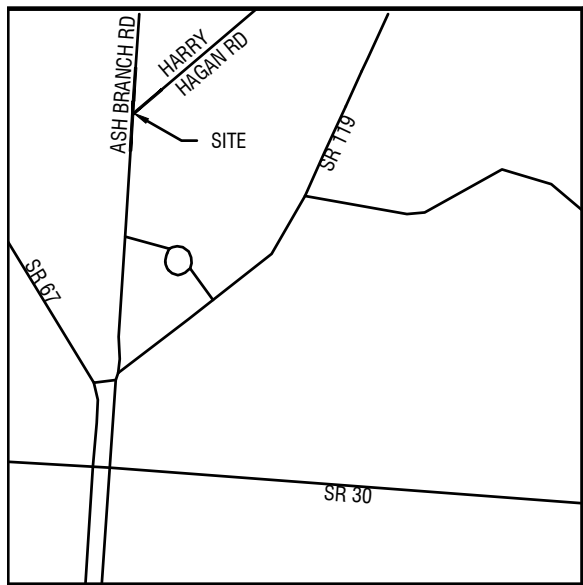
Pembroke City
Street Improvements

JUDITH STREET
GRADING
PLAN

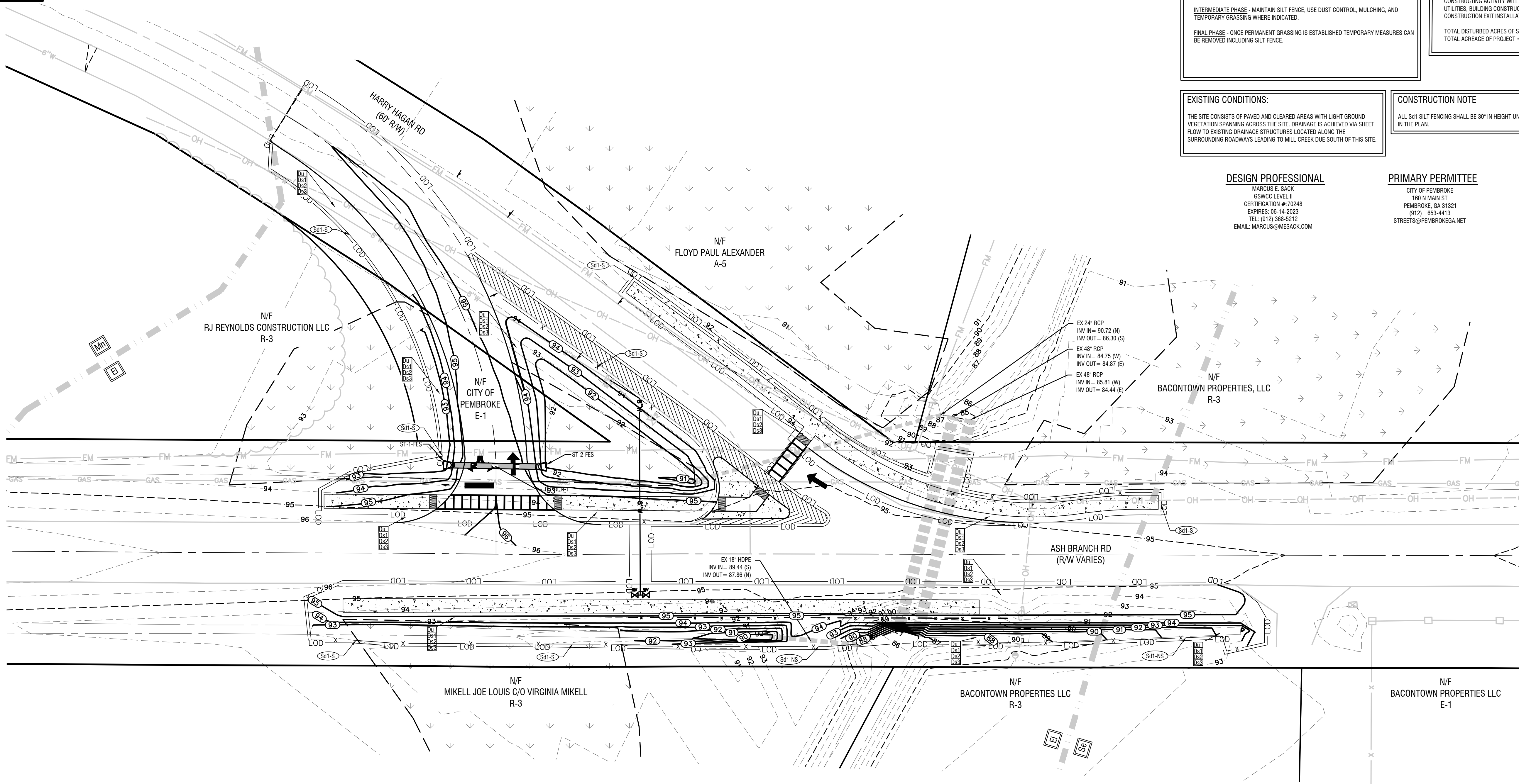
C301

FILE NO: 2020-35
PLOT DATE: October 28, 2020

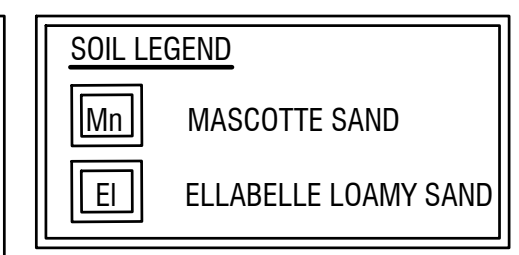




VICINITY MAP
Not To Scale



SILT STORAGE CALCULATION SITE 1:
 ESTIMATED EROSION = 0.52 AC. X 67 C.Y. = 34.84 C.Y. STORAGE CAPACITY REQUIRED.
 SD1 STORAGE AVAILABLE = 1030 LF X .32 C.Y./AC = 330 C.Y.
 TOTAL AVAILABLE SEDIMENT STORAGE = 330 C.Y.



EROSION CONTROL MEASURES:
INITIAL PHASE - CONSISTS OF PERIMETER BMPs, AND DUST CONTROL.
INTERMEDIATE PHASE - MAINTAIN SILT FENCE, USE DUST CONTROL, MULCHING, AND TEMPORARY GRASSING WHERE INDICATED.
FINAL PHASE - ONCE PERMANENT GRASSING IS ESTABLISHED TEMPORARY MEASURES CAN BE REMOVED INCLUDING SILT FENCE.

CONSTRUCTION ACTIVITY:
 CONSTRUCTING ACTIVITY WILL CONSIST OF GRADING, EXCAVATING, INSTALLATION OF UTILITIES, BUILDING CONSTRUCTION AND PAVING, SILT FENCE INSTALLATION, CONSTRUCTION EXIT INSTALLATION AND TEMPORARY MULCHING/GRASSING.
 TOTAL DISTURBED ACRES OF SITE = 0.50 AC
 TOTAL ACREAGE OF PROJECT = 1.57 AC

EXISTING CONDITIONS:
 THE SITE CONSISTS OF PAVED AND CLEARED AREAS WITH LIGHT GROUND VEGETATION SPANNING ACROSS THE SITE. DRAINAGE IS ACHIEVED VIA SHEET FLOW TO EXISTING DRAINAGE STRUCTURES LOCATED ALONG THE SURROUNDING ROADWAYS LEADING TO MILL CREEK ONE SOUTH OF THIS SITE.

CONSTRUCTION NOTE
 ALL S41 SILT FENCING SHALL BE 30" IN HEIGHT UNLESS OTHERWISE SPECIFIED IN THE PLAN.

DESIGN PROFESSIONAL
 MARCUS E. SACK
 GSWCC LEVEL II
 CERTIFICATION #70248
 EXPIRES: 06-14-2023
 TEL: (912) 368-5212
 EMAIL: MARCUS@MESACK.COM

PRIMARY PERMITTEE
 CITY OF PEMBROKE
 160 N MAIN ST
 PEMBROKE, GA 31321
 (912) 653-4413
 STREETS@PEMBROKEGA.NET

24 HOUR CONTACT
 CITY OF PEMBROKE
 160 N MAIN ST
 PEMBROKE, GA 31321
 (912) 653-4413
 STREETS@PEMBROKEGA.NET

REVISIONS:

THIS DRAWING IS AN INSTRUMENT OF SERVICE AND REMAINS THE PROPERTY OF P.C. SIMONTON & ASSOCIATES, INC. AND M.E. SACK ENGINEERING. IT MAY NOT BE COPIED, ALTERED, OR REPRODUCED IN ANY MANNER WITHOUT PERMISSION ON A SIGNED AND SEALED DOCUMENT. THE INFORMATION CONTAINED HEREIN IS INTENDED FOR THE NAMED CLIENT ONLY. IN THE EVENT OF AN ELECTRONIC VERSION P.C. SIMONTON & ASSOC., INC. AND M.E. SACK ENGINEERING ASSUMES NO RESPONSIBILITY FOR DATA GENERATED, ALTERED OR STATED FROM THIS DRAWING. IN THE EVENT OF A DISPUTE, HARD COPIES WILL TAKE PRECEDENCE OVER ANY ELECTRONIC MEDIA.

DESIGN PROFESSIONAL:
MARCUS E. SACK
 515 NORTH MAIN STREET
 P.O. BOX 649
 HINESVILLE, GA 31313
 TEL: (912) 368-5212
 135 GOSHEN ROAD
 SUITE 250
 RINGO, GA 31326
 TEL: (912) 295-2395



DATE: 10/30/2020



MUNICIPALITY:
CITY OF PEMBROKE

COUNTY:
BRYAN COUNTY

Owner:
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

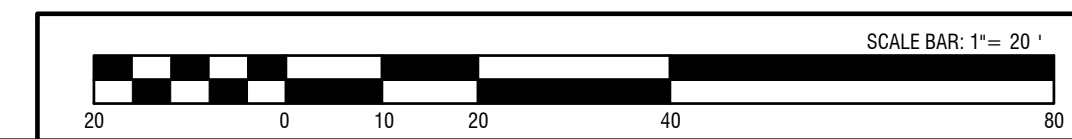
24 HOUR CONTACT:
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

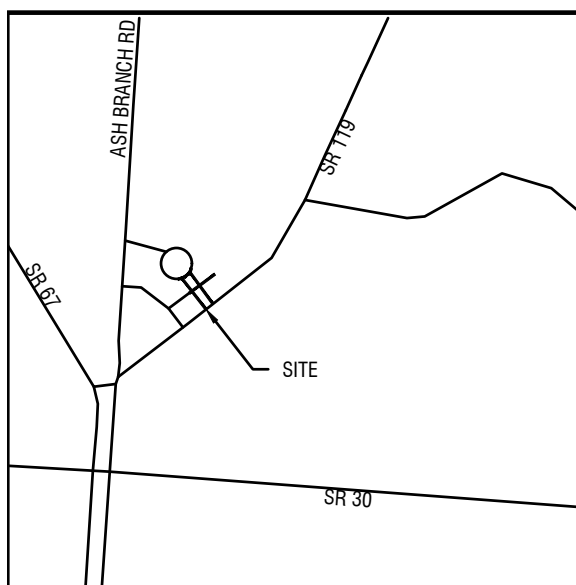
**Pembroke City
Street Improvements**

**HARRY HAGAN
EROSION
PLAN**

C400

FILE NO: 2020-35
 PLOT DATE: October 28, 2020





VICINITY MAP
Not To Scale



SILT STORAGE CALCULATION SITE 2:
 ESTIMATED EROSION = 0.97 AC X 67 C.Y. = 65 C.Y. STORAGE CAPACITY REQUIRED.
 SD1 STORAGE AVAILABLE = 1870 LF X .32 C.Y./AC = 598 C.Y.
 TOTAL AVAILABLE SEDIMENT STORAGE = 598 C.Y.

SOIL LEGEND
 [Se] STILSON LOAMY SAND
 [Pi] PELHAM LOAMY SAND

EROSION CONTROL MEASURES:
 INITIAL PHASE - CONSISTS OF PERIMETER BMPs, AND DUST CONTROL.
 INTERMEDIATE PHASE - MAINTAIN SILT FENCE, USE DUST CONTROL, MULCHING, AND TEMPORARY GRASSING WHERE INDICATED.
 FINAL PHASE - ONCE PERMANENT GRASSING IS ESTABLISHED TEMPORARY MEASURES CAN BE REMOVED INCLUDING SILT FENCE.

CONSTRUCTION ACTIVITY:
 CONSTRUCTING ACTIVITY WILL CONSIST OF GRADING, EXCAVATING, INSTALLATION OF UTILITIES, BUILDING CONSTRUCTION AND PAVING, SILT FENCE INSTALLATION, CONSTRUCTION EXIT INSTALLATION AND TEMPORARY MULCHING/GRASSING.
 TOTAL DISTURBED ACRES OF SITE = 0.97 AC
 TOTAL ACREAGE OF PROJECT = 1.57 AC

EXISTING CONDITIONS:
 THE SITE CONSISTS OF PAVED AND CLEARED AREAS WITH LIGHT GROUND VEGETATION SPANNING ACROSS THE SITE. DRAINAGE IS ACHIEVED VIA SHEET FLOW TO EXISTING DRAINAGE STRUCTURES LOCATED ALONG THE SURROUNDING ROADWAYS LEADING TO MILL CREEK DUE SOUTH EAST OF THIS SITE.

CONSTRUCTION NOTE
 ALL S&I SILT FENCING SHALL BE 30" IN HEIGHT UNLESS OTHERWISE SPECIFIED IN THE PLAN.

DESIGN PROFESSIONAL
 MARCUS E. SACK
 GSWCC LEVEL II
 CERTIFICATION #70248
 EXPIRES: 06-14-2023
 TEL: (912) 368-5212
 EMAIL: MARCUS@MESACK.COM

PRIMARY PERMITTEE
 CITY OF PEMBROKE
 160 N MAIN ST
 PEMBROKE, GA 31321
 (912) 653-4413
 STREETS@PEMBROKEGA.NET

24 HOUR CONTACT
 CITY OF PEMBROKE
 160 N MAIN ST
 PEMBROKE, GA 31321
 (912) 653-4413
 STREETS@PEMBROKEGA.NET

REVISIONS:

THIS DRAWING IS AN INSTRUMENT OF SERVICE AND REMAINS THE PROPERTY OF P.C. SIMONTON & ASSOCIATES, INC. AND M.E. SACK ENGINEERING. IT MAY NOT BE COPIED, ALTERED, OR REPRODUCED IN ANY MANNER WITHOUT PERMISSION ON A SIGNED AND SEALED DOCUMENT. THE INFORMATION CONTAINED HEREIN IS INTENDED FOR THE NAMED CLIENT ONLY. IN THE EVENT OF AN ELECTRONIC VERSION P.C. SIMONTON & ASSOC., INC. AND M.E. SACK ENGINEERING ASSUMES NO RESPONSIBILITY FOR DATA GENERATED, ALTERED OR STATED FROM THIS DRAWING. IN THE EVENT OF A DISPUTE, HARD COPIES WILL TAKE PRECEDENCE OVER ANY ELECTRONIC MEDIA.

DESIGN PROFESSIONAL:
 MARCUS E. SACK
 515 NORTH MAIN STREET
 P.O. BOX 649
 HINESVILLE, GA 31313
 TEL: (912) 368-5212
 135 GOSHEN ROAD
 SUITE 250
 RINGON, GA 31326
 TEL: (912) 295-2395



DATE: 10/20/2020



MUNICIPALITY:
CITY OF PEMBROKE

COUNTY:
BRYAN COUNTY

Owner:
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

24 HOUR CONTACT:
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

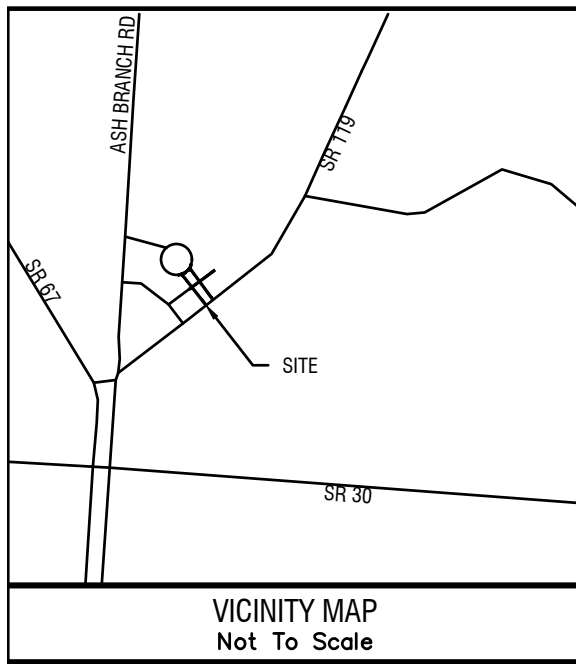
**Pembroke City
Street Improvements**

**JUDITH STREET
EROSION
PLAN**

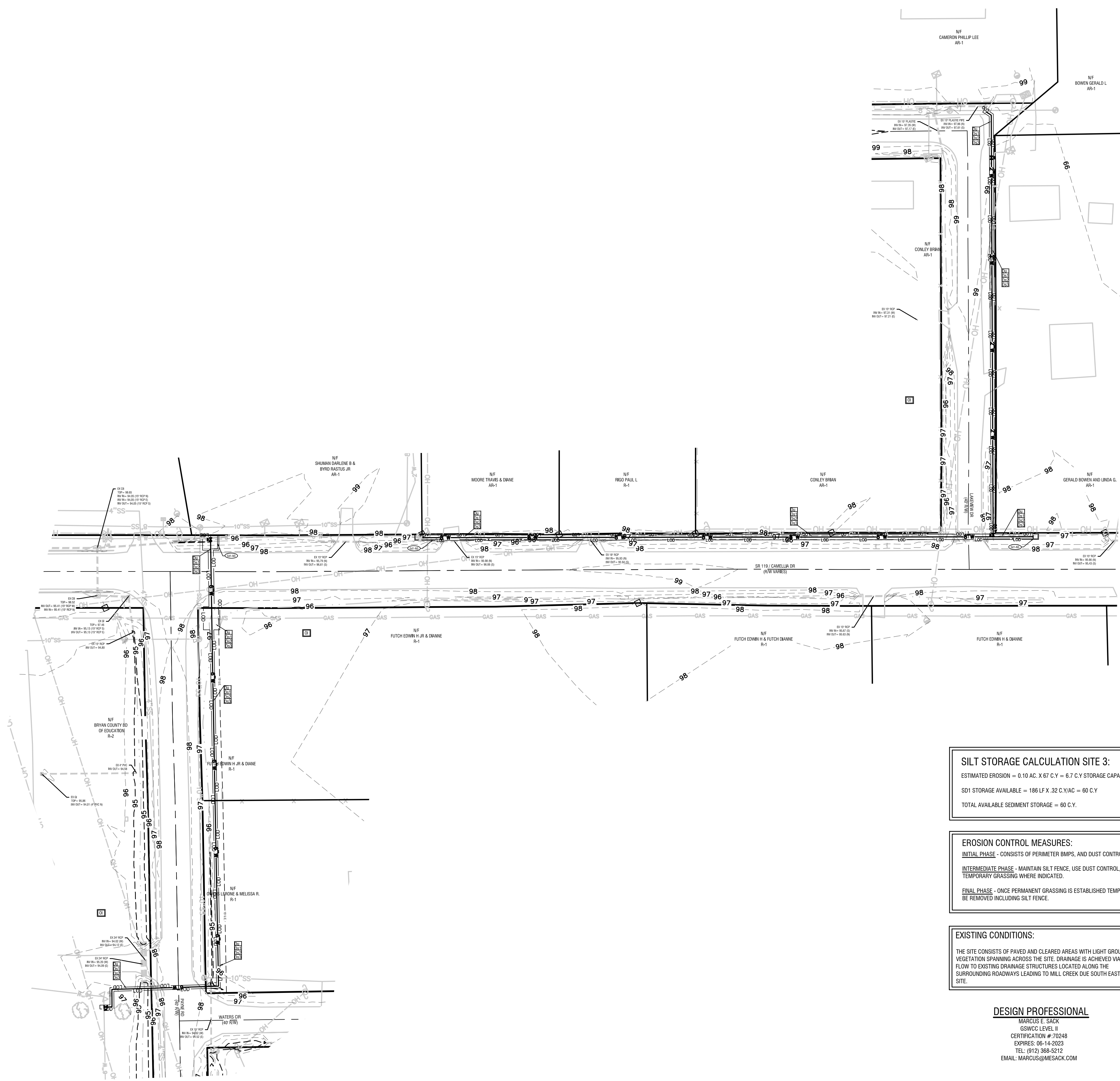
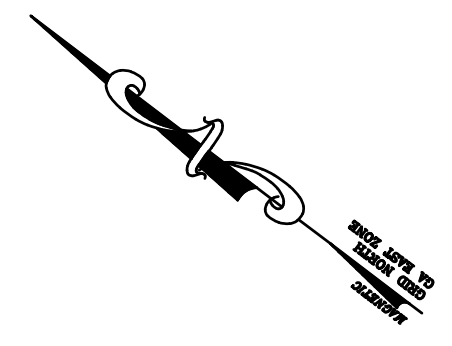
C401

FILE NO: 2020-35
PLOT DATE: October 28, 2020





NOTES:
1. ALL LOTS ZONING = R-1



SILT STORAGE CALCULATION SITE 3:
ESTIMATED EROSION = 0.10 AC. X 67 C.Y. = 6.7 C.Y. STORAGE CAPACITY REQUIRED.
SDI STORAGE AVAILABLE = 186 LF X .32 C.Y./AC = 60 C.Y.
TOTAL AVAILABLE SEDIMENT STORAGE = 60 C.Y.

SOIL LEGEND
[Symbol] OLUSTEE FINE SAND

EROSION CONTROL MEASURES:
INITIAL PHASE - CONSISTS OF PERIMETER B MPS, AND DUST CONTROL.
INTERMEDIATE PHASE - MAINTAIN SILT FENCE, USE DUST CONTROL, MULCHING, AND TEMPORARY GRASSING WHERE INDICATED.
FINAL PHASE - ONCE PERMANENT GRASSING IS ESTABLISHED TEMPORARY MEASURES CAN BE REMOVED INCLUDING SILT FENCE.

CONSTRUCTION ACTIVITY:
CONSTRUCTING ACTIVITY WILL CONSIST OF GRADING, EXCAVATING, INSTALLATION OF UTILITIES, SILT FENCE INSTALLATION, AND TEMPORARY MULCHING/GRASSING.
TOTAL DISTURBED ACRES OF SITE = 0.10 AC
TOTAL ACREAGE OF PROJECT = 1.57 AC

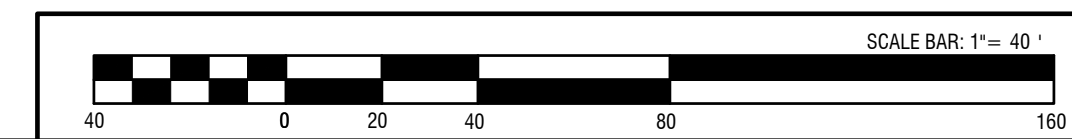
EXISTING CONDITIONS:
THE SITE CONSISTS OF PAVED AND CLEARED AREAS WITH LIGHT GROUND VEGETATION SPANNING ACROSS THE SITE. DRAINAGE IS ACHIEVED VIA SHEET FLOW TO EXISTING DRAINAGE STRUCTURES LOCATED ALONG THE SURROUNDING ROADWAYS LEADING TO MILL CREEK DUE SOUTH EAST OF THIS SITE.

CONSTRUCTION NOTE
ALL S41 SILT FENCING SHALL BE 30" IN HEIGHT UNLESS OTHERWISE SPECIFIED IN THE PLAN.

DESIGN PROFESSIONAL
MARCUS E. SACK
GSWCC LEVEL II
CERTIFICATION #70248
EXPIRES: 06-14-2023
TEL: (912) 368-5212
EMAIL: MARCUS@MESACK.COM

PRIMARY PERMITTEE
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

24 HOUR CONTACT
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET



REVISIONS:

THIS DRAWING IS AN INSTRUMENT OF SERVICE AND REMAINS THE PROPERTY OF P.C. SIMONTON & ASSOCIATES, INC. AND M.E. SACK ENGINEERING. IT MAY NOT BE COPIED, ALTERED, OR REPRODUCED IN ANY MANNER WITHOUT PERMISSION ON A SIGNED AND SEALED DOCUMENT. THE INFORMATION CONTAINED HEREIN IS INTENDED FOR THE NAMED CLIENT ONLY. IN THE EVENT OF AN ELECTRONIC VERSION P.C. SIMONTON & ASSOC., INC. AND M.E. SACK ENGINEERING ASSUMES NO RESPONSIBILITY FOR DATA GENERATED, ALTERED OR STATED FROM THIS DRAWING. IN THE EVENT OF A DISPUTE, HARD COPIES WILL TAKE PRECEDENCE OVER ANY ELECTRONIC MEDIA.

DESIGN PROFESSIONAL:
MARCUS E. SACK
515 NORTH MAIN STREET
P.O. BOX 649
HINESVILLE, GA 31313
TEL: (912) 368-5212
135 GOSHEN ROAD
SUITE 250
RINGON, GA 31326
TEL: (912) 295-2395

DATE: 10/30/2020

MUNICIPALITY:
CITY OF PEMBROKE

COUNTY:
BRYAN COUNTY

Owner:
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

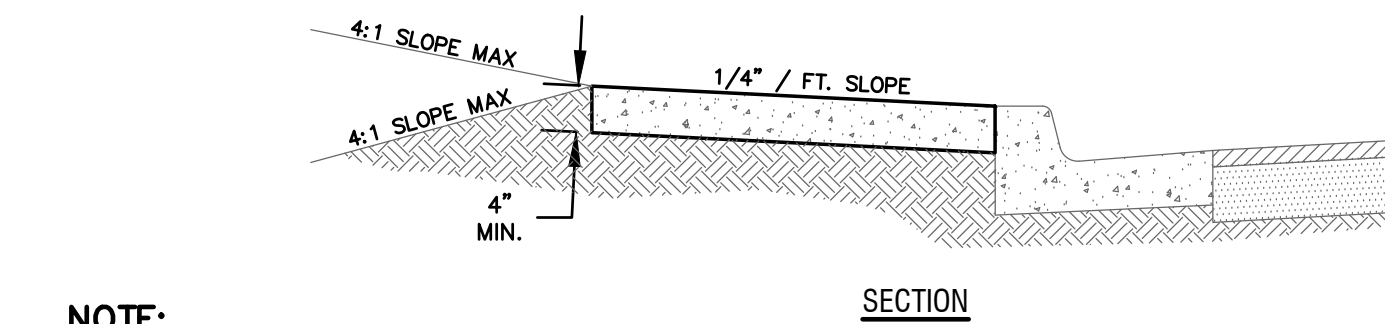
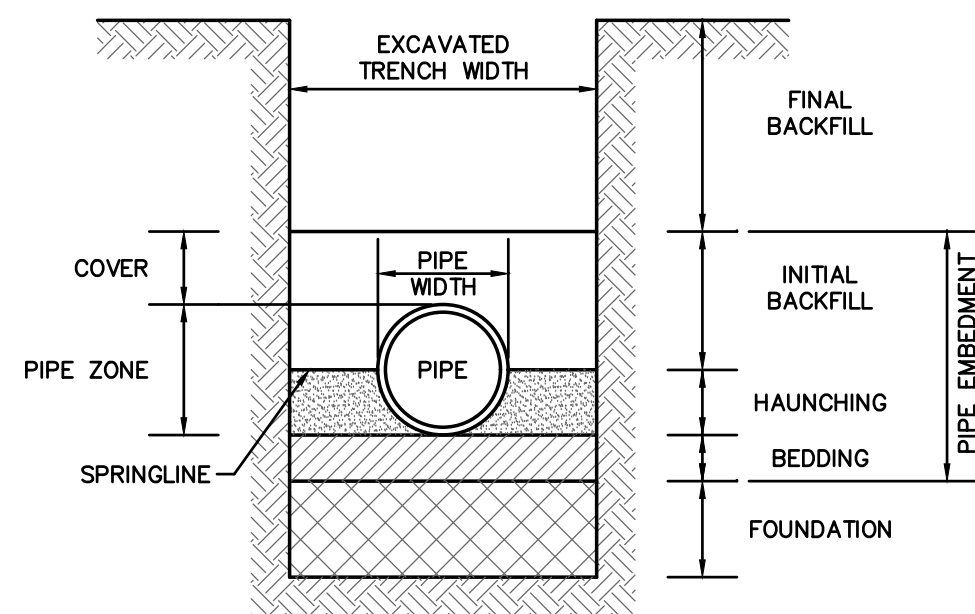
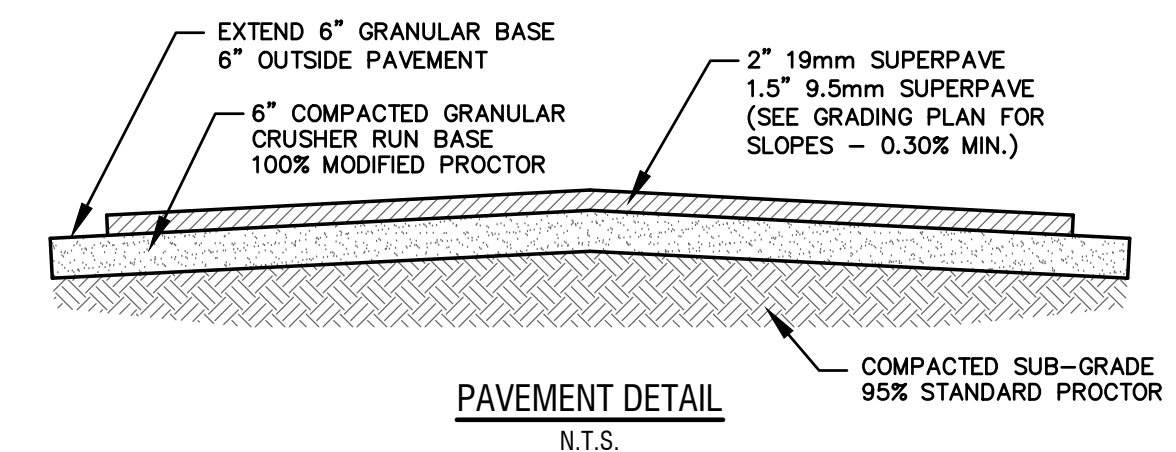
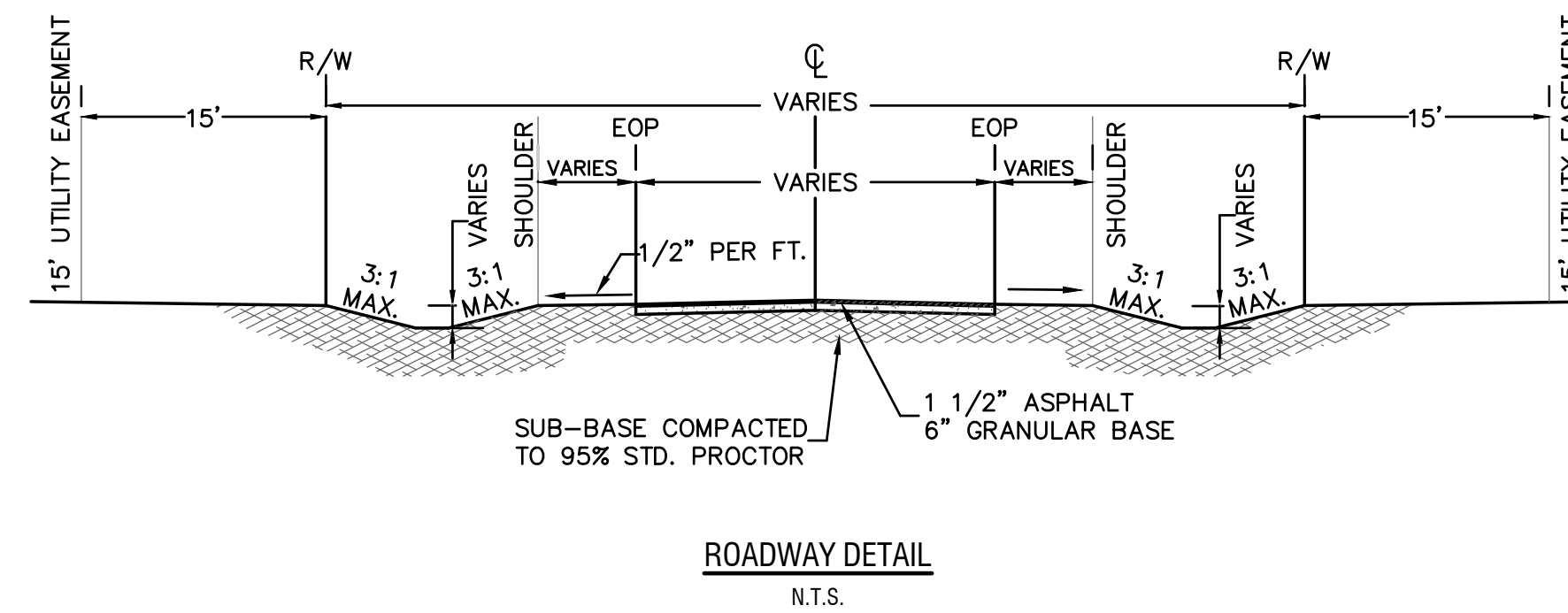
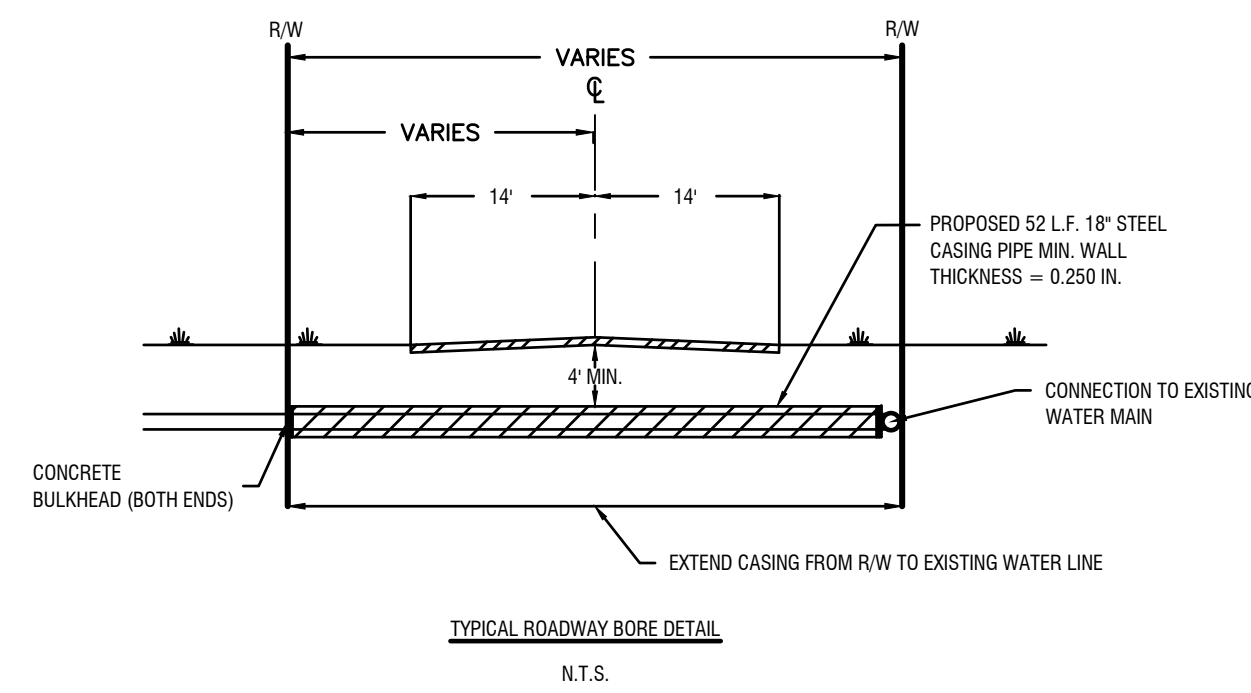
24 HOUR CONTACT:
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

**Pembroke City
Street Improvements**

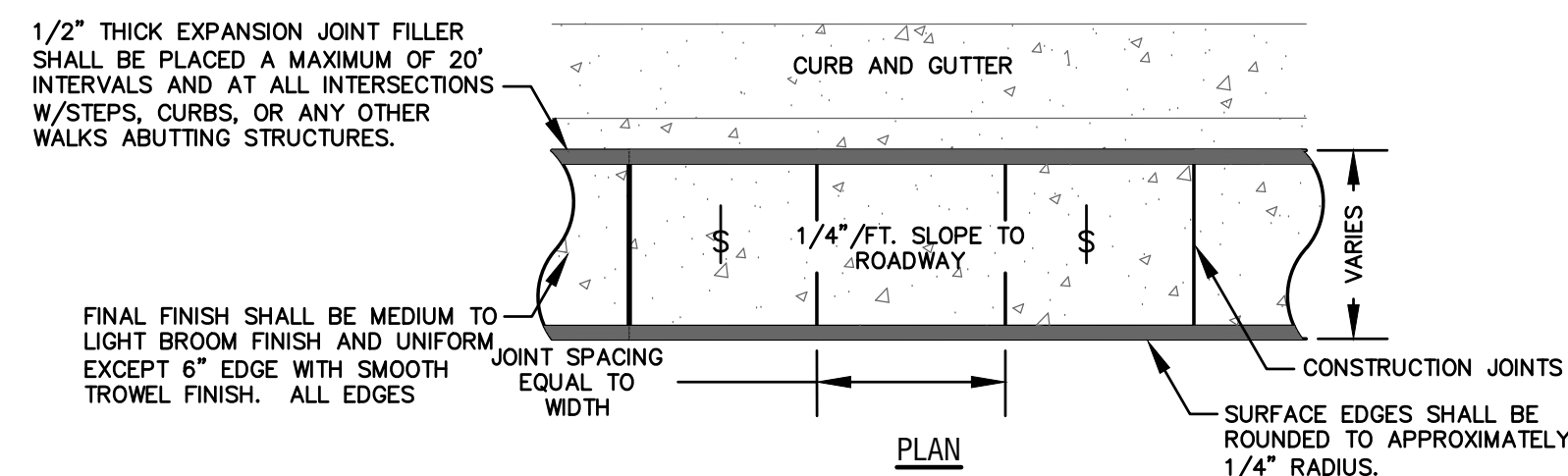
**CAMELLIA DR
EROSION
PLAN**

C402

FILE NO: 2020-35
PLOT DATE: October 28, 2020



NOTE:
CONTRACTOR TO REFERENCE SPECIFICATIONS FOR JOINT FILLER DETAILS.



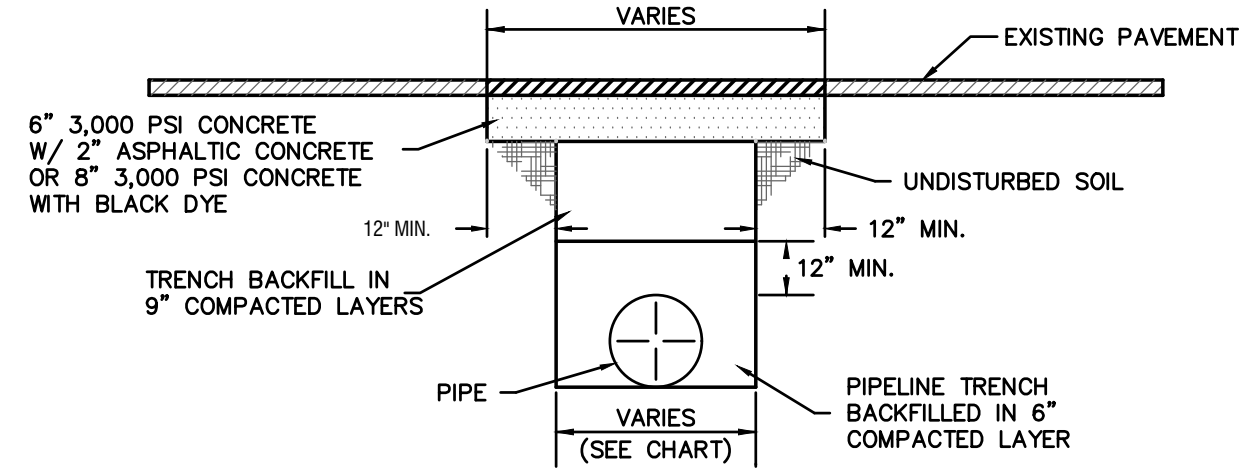
1/2" THICK EXPANSION JOINT FILLER SHALL BE PLACED A MAXIMUM OF 20' INTERVALS AND AT ALL INTERSECTIONS W/STEPS, CURBS, OR ANY OTHER WALKS ABUTTING STRUCTURES.

FINAL FINISH SHALL BE MEDIUM TO LIGHT BROOM FINISH AND UNIFORM EXCEPT 6" EDGE WITH SMOOTH TROWEL FINISH. ALL EDGES

CONSTRUCTION JOINT DEPTH SHALL BE 1/4" OF THE SLAB THICKNESS AND 1/8" WIDE AND SHALL BE SAWS OR TROWELED WITHIN 24 HOURS OF POURING.



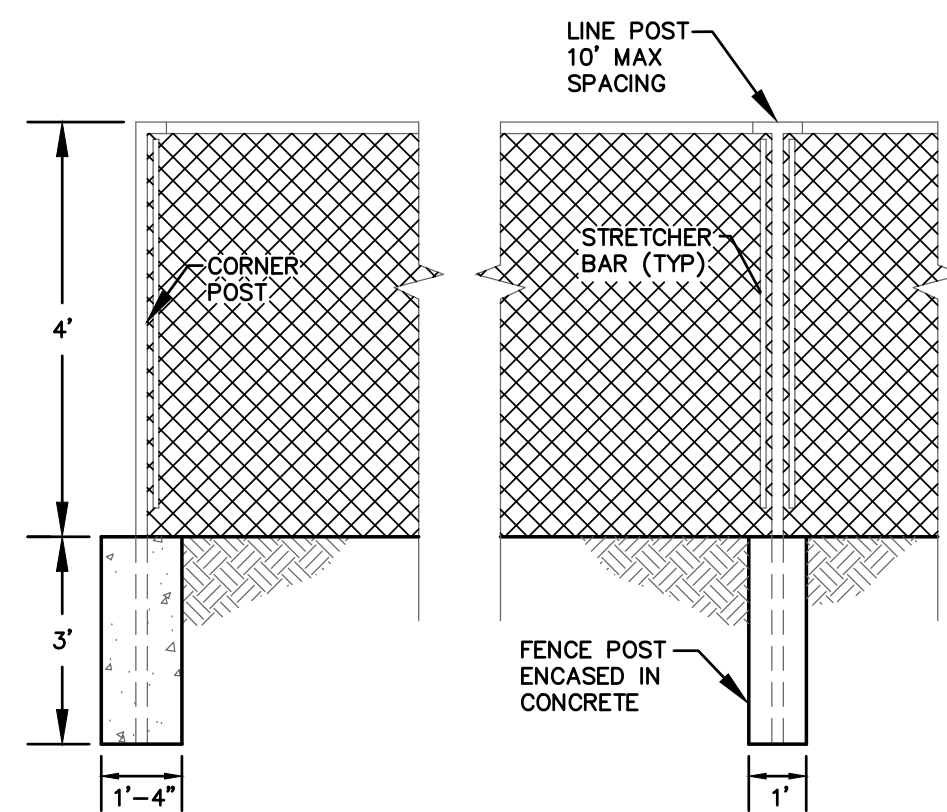
TYPICAL SIDEWALK DETAIL N.T.S.



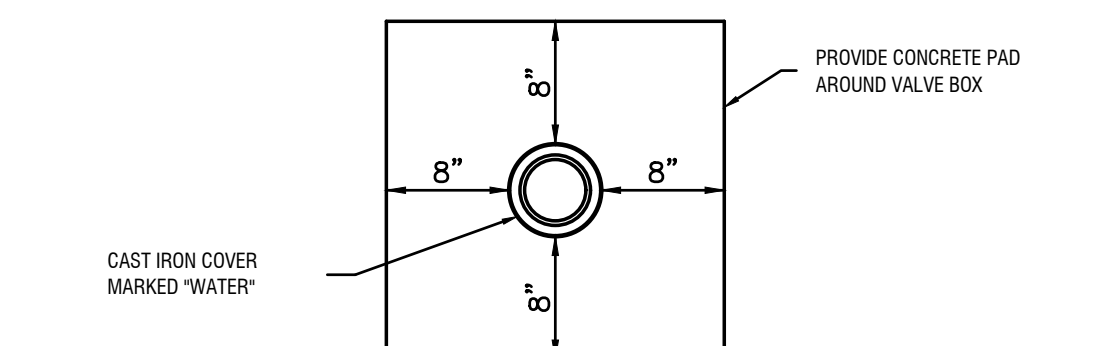
PIPE DIAMETER	MAXIMUM TRENCH WIDTH 0 - 6" CUT DEPTH	MAXIMUM PAVEMENT WIDTH 0 - 6" CUT DEPTH
6" TO 15"	16" + DIA.	40" + DIA.
18" TO 21"	20" + DIA.	44" + DIA.
24" TO 30"	24" + DIA.	48" + DIA.
33" TO 42"	36" + DIA.	60" + DIA.
48"+	36" + DIA.	60" + DIA.

NOTE:
MAXIMUM PAVEMENT WIDTH FOR CUT DEPTH OVER 6 FEET SHALL BE 8 FEET UNLESS NOTED OTHERWISE ON PLANS.

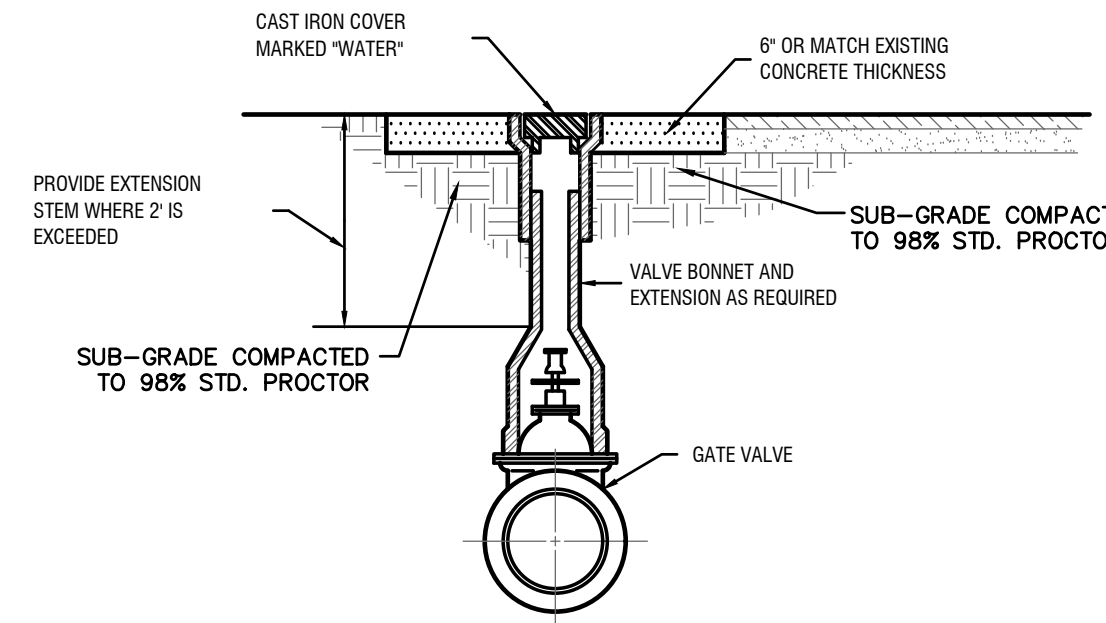
PAVEMENT REMOVAL & REPLACEMENT N.T.S.



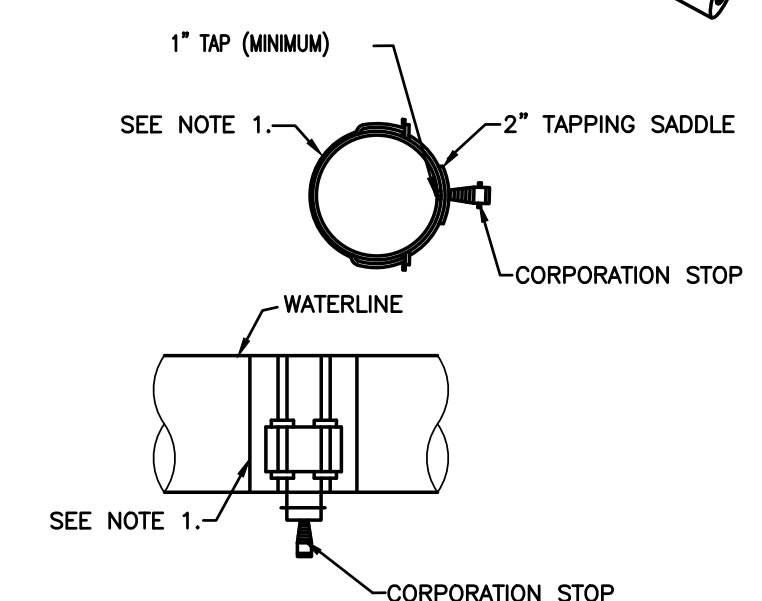
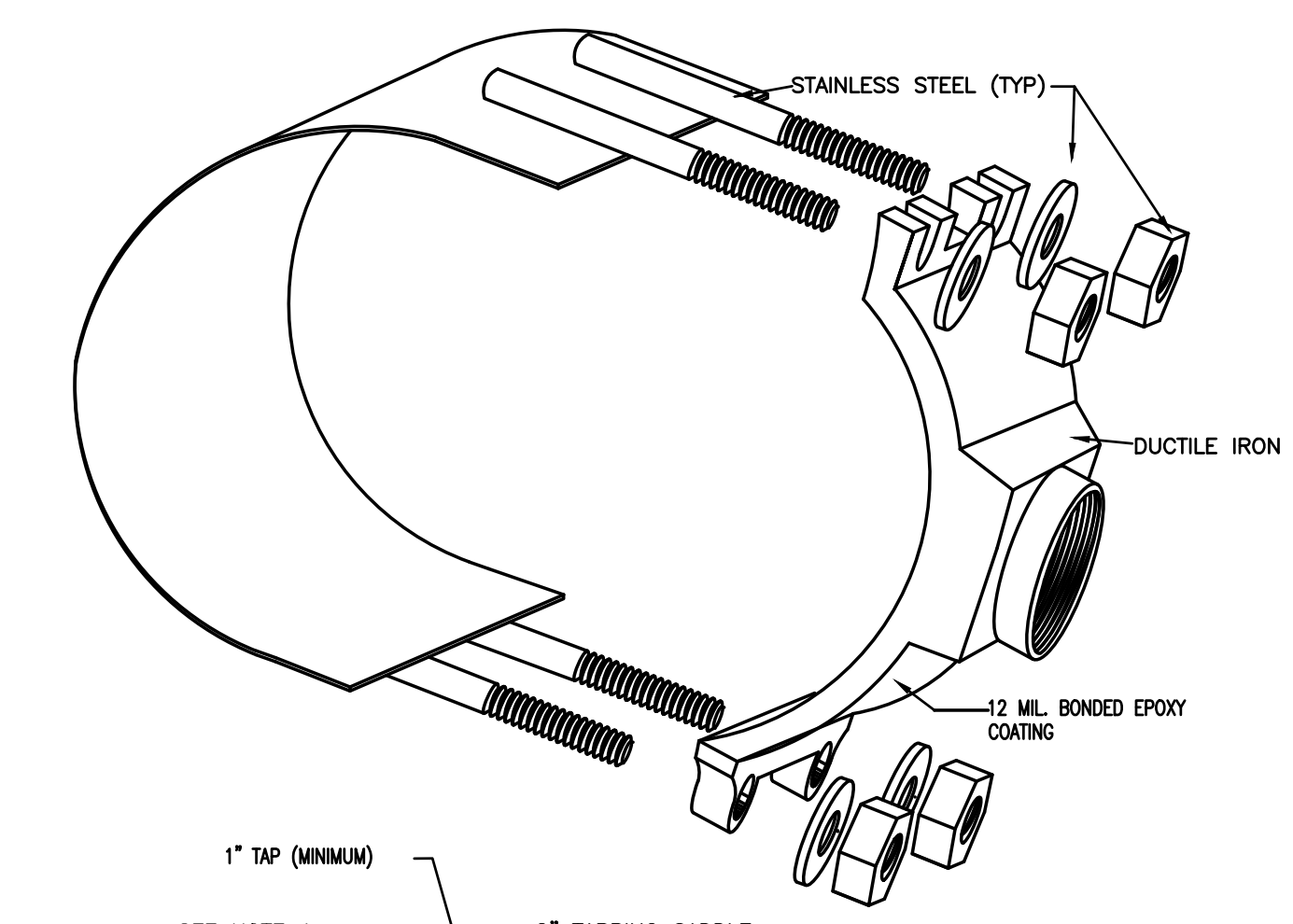
TYPICAL FENCE DETAIL N.T.S.



NOTE: IF PRECAST CONCRETE VALVE COLLAR IS USED IN LIEU OF IN PLACE POUR, ANNULAR VOID AROUND VALVE BOX SHALL BE GROUTED TO THE FULL DEPTH OF THE COLLAR.



VALVE BOX DETAIL N.T.S.



- NOTES:**
- TAPPING SADDLE TO BE DUCTILE IRON WITH TYPE 304 STAINLESS STEEL FORGED DOUBLE STRAPS, STAINLESS STEEL BOLTS, NUTS, AND WASHERS. FINISH IS FUSION BONDED EPOXY TO AVERAGE THICKNESS OF 12-MILS.
 - ONE INCH (1") TAPS ON WATER LINES SMALLER THAN SIX INCHES (6") REQUIRE A TAPPING SADDLE. TWO INCH (2") TAPS AND ABOVE REQUIRE A TAPPING SADDLE, REGARDLESS OF WATER MAIN SIZE.
 - A VALVE BOX SHALL BE USED FOR 2" AND ABOVE CORPORATION STOPS. INSTALL PER DETAIL W4.

WATER TAPPING SADDLE N.T.S.

REVISIONS:

DESIGN PROFESSIONAL:
MARCUS E. SACK

515 NORTH MAIN STREET
P.O. BOX 649
HINESVILLE, GA 31313
TEL: (912) 368-5212

135 GOSHEN ROAD
SUITE 250
RINGON, GA 31326
TEL: (912) 295-2395

DATE: 10/20/2020

M.E. SACK ENGINEERING

MUNICIPALITY:
CITY OF PEMBROKE

COUNTY:
BRYAN COUNTY

Owner:
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

24 HOUR CONTACT:
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

Pembroke City Street Improvements

DETAILS

C500

FILE NO: 2020-35
PLOT DATE: October 28, 2020

Ds1 DISTURBED AREA STABILIZATION (W/MULCHING ONLY)

SPECIFICATIONS

A. For temporary protection of critical areas without seeding. This standard applies to grades or cleared areas which may be subjected to erosion for 6 months or less, where seeding may not have a suitable growing season to produce an erosion retardant cover, but which can be stabilized with a mulch cover.

Site Preparation

1. Grade, as needed and feasible, to permit the use of equipment for applying and anchoring mulch.
2. Install needed erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers.
3. As needed and feasible, loosen compact soil to a minimum depth of 3 inches.

Mulching Materials

1. Dry straw or hay - spread at a rate of 2 1/2 tons per acre.
2. Wood waste, chips, sawdust or bark - spread 2 to 3 inches deep (about 6 to 9 tons per acre).
3. Erosion control matting or netting, such as excelsior, jute, textile and plastic matting and netting - applied in accordance with manufacturer's recommendations.
4. Cutback asphalt, slow curing - applied at 1200 gallons per acre (or 1/4 gallon per sq. yd.)
5. Polyethylene film - secured over banks or stockpiled soil material for temporary protection.

Applying and Anchoring Mulch

1. Apply straw or hay mulch uniformly by hand or mechanically. Anchor as appropriate and feasible. It may be pressed into the soil with a disk harrow with the disk set straight or with a special "packer disk." The disk may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disk should be dull enough not to cut the mulch but press it into the soil leaving much of it in an erect position.
2. Spread wood waste uniformly on slopes that are 3:1 and flatter. No anchoring is needed.
3. Commercial matting and netting. Follow manufacturer's specification included with the material.
4. Apply asphalt so area has uniform appearance. (Note: Use in areas of pedestrian traffic could cause problems or "tracking in" or damage to shoes, clothing, etc.)

B. To conserve moisture and control weeds in nurseries, ornamental beds, around shrubs, and on bar areas on lawns.

Mulching Materials

Use one of the materials given below and apply at thickness indicated.

Material

- | Material | Depth |
|--|-----------|
| 1. Grain straw or grass hay | 6" to 10" |
| 2. Pine needles | 4" to 6" |
| 3. Wood waste (sawdust, bark, chips) | 4" to 8" |
| 4. Shredded residues (crops, leaves, etc.) | 4" to 8" |
1. Completely cover area with black polyethylene film and hold in place by placing soil on the outer edge.
 2. When using organic mulches, apply 20-30 pounds of nitrogen in addition to the normal amount needed for plant growth to offset the tie up of N by decomposition of mulch.

Ds2 SPECIES AND PLANTING SCHEDULE

SPECIES	BROADCAST RATES 1/ - PLS 2/ PER ACRE PER 1000 S.F.		RESOURCE AREA 3/	PLANTING DATES BY RESOURCE AREAS *												REMARKS			
	PER ACRE	PER 1000 S.F.		J	F	M	A	M	J	J	A	S	O	N	D				
RYEGRASS, ANNUAL ALONE	40 lbs.	0.9 lb.	M-L P C																227,000 SEED PER POUND. DENSE COVER. VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES.

* (DARK LINES REPRESENT OPTIMUM DATES. GRAY LINES INDICATE PERMISSIBLE BUT MARGINAL DATES.)

MULCHING RATES FOR PERMANENT COVER

TYPE OF MULCH	RATE PER ACRE	NOTES
Dry straw	2 Tons	Free of weed seeds.
Dry hay	2.5 Tons	Free of weed seeds.
Wood Cellulose	500 lbs. 1000 lbs.	Slope less than 3/4:1 Slope greater than 3/4:1
Wood Pulp Fiber	500 lbs. 1000 lbs.	Slope less than 3/4:1 Slope greater than 3/4:1
Sericca Lespedeza Hay	3 Tons seeds.	Containing mature seeds.
Pine Straw or Bark		3 inches thick for bedding. Not for seeding.
Bituminous treated roving	See DOT specs.	Use on slopes, in ditches, or dry waterways.

1. Mulching is not required for temporary grassing.
2. Mulch shall be applied to cover 75% of the soil surface.
3. Sod does not require mulch.

Du DUST CONTROL ON DISTURBED AREAS

PURPOSE

A. To prevent surface and air movement of dust from exposed surfaces.
B. To reduce the presence of airborne substances which may be harmful or injurious to human health, welfare, or safety, or to animals or plant life.

Temporary Methods

1. Irrigation. This is generally done as an emergency treatment. Site is sprinkled with water until the surface is wet.
2. Mulching - See Ds1 - Disturbed Area Stabilization (with Mulching only)
3. Vegetative Cover - See Ds2 - Disturbed Area Stabilization (with Temporary Seeding)

Permanent Methods

1. Permanent Vegetation - See Ds3 - Disturbed Area Stabilization (with Permanent Vegetation)

FERTILIZER REQUIREMENTS

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT	RATE	N TOP DRESSING RATE	LIME APPLICATION
Cool season grasses	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac. 1/ 2/	2000 lbs./ac.
	Second Maintenance	6-12-12 10-10-10	1000 lbs./ac. 400 lbs./ac.	- 30	
Cool season grasses legumes	First	6-12-12	1500 lbs./ac.	0-50 lbs./ac. 1/	2000 lbs./ac.
	Second Maintenance	0-10-10 0-10-10	1000 lbs./ac. 400 lbs./ac.	- -	
Ground covers	First	10-10-10	1500 lbs./ac.	-	-
	Second Maintenance	10-10-10	1000 lbs./ac. 400 lbs./ac.	- -	
Pine seedlings	First	20-10-5	one 21-gram pallet per seeding placed in the closing hole	-	-
Shrub lespedeza	First Maintenance	0-10-10 0-10-10	700 lbs./ac. 700 lbs./ac. 4/	- -	- -
Temporary cover crops seeded clone	First	10-10-10	500 lbs./ac.	30 lbs./ac. 5/	-
Warm season grasses	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac. 2/ 6/	2000 lbs./ac.
	Second Maintenance	6-12-12 10-10-10	800 lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 2/ 30 lbs./ac.	
Warm season grasses and legumes	First	6-12-12	1500 lbs./ac.	50 lbs./ac. 6/	2000 lbs./ac.
	Second Maintenance	0-10-10	1000 lbs./ac. 400 lbs./ac.	- -	

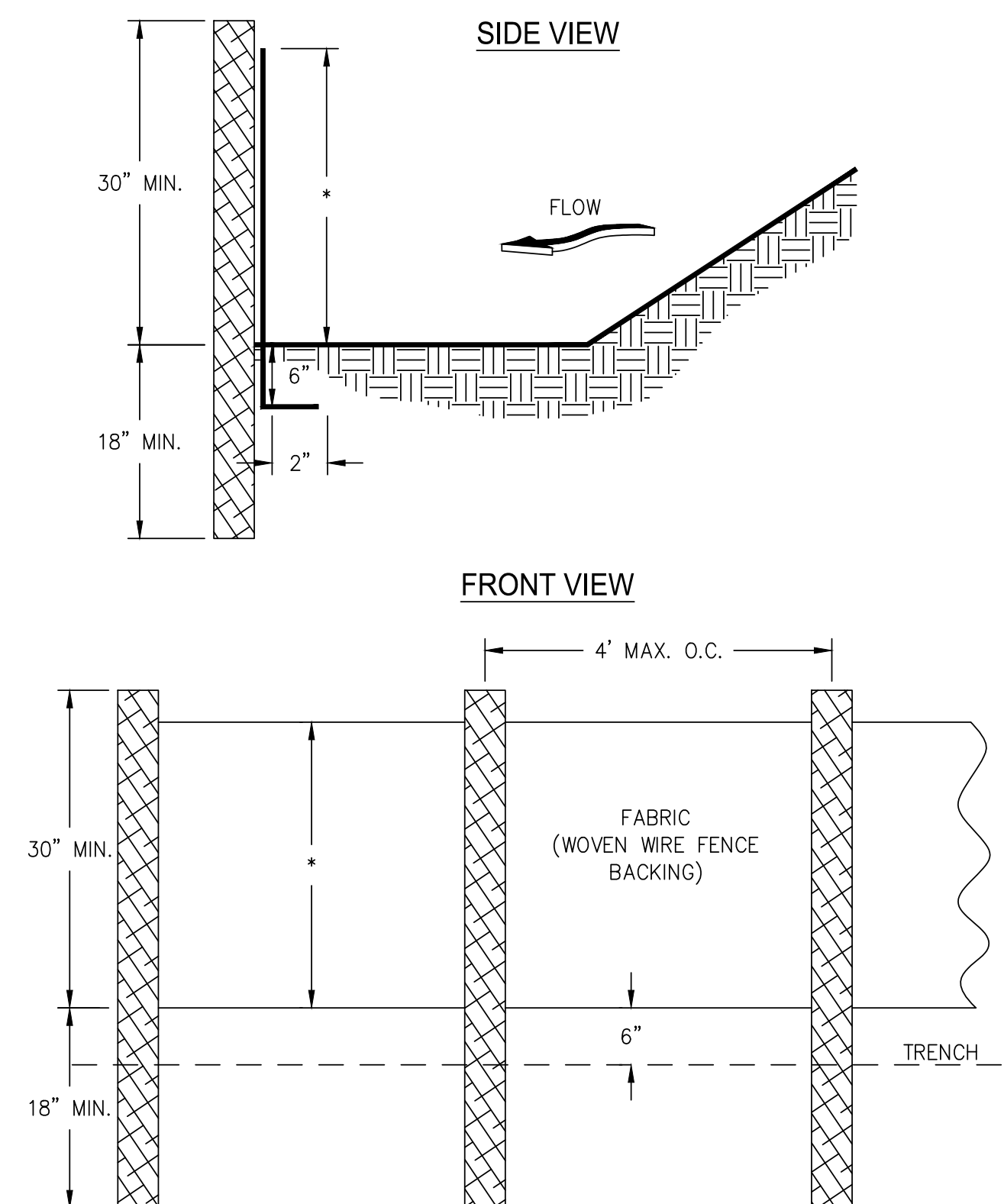
- 1/ Apply in spring following seeding.
- 2/ Apply in split applications when high rates are used.
- 3/ Apply in 3 split applications.
- 4/ Apply when plants are pruned.
- 5/ Apply to grass species only.
- 6/ Apply when plants grow to height of 2 to 4 inches.

Ds3 SPECIES AND PLANTING SCHEDULE

SPECIES PER ACRE PER 1000 S.F.	BROADCAST RATES 1/ - PLS 2/	RESOURCE AREA 3/	PLANTING DATES BY RESOURCE AREAS *												SPECIFICATIONS			
			J	F	M	A	M	J	J	A	S	O	N	D				
BERMUDA, COMMON HULLED SEED ALONE 10 LBS. 0.2 LB. WITH OTHER PERENNIALS 6 LBS. 0.1 LB.																		1,787,000 SEED PER POUND. QUICK COVER. LOW GROWING AND SOO FORMING. FULL SUN. GOOD FOR ATHLETIC FIELDS.
BERMUDA, COMMON UNHULLED SEED WITH TEMPORARY COVER 10 LBS. 0.2 LB. WITH OTHER PERENNIALS 6 LBS. 0.1 LB.																		PLANT WITH WINTER ANNUALS. PLANT WITH TALL FESCUE.
BERMUDA SPRIGS COASTAL, COMMON OR MIDLAND, OR TIF 44 40 CU. FT. 0.9 CU. FT. PLUGS 3 X 3 TIF 78		M-L P C																A CUBIC FT. CONTAINS APPROXIMATELY 650 SPRIGS. A BUSHEL CONTAINS 1.25 C.F. OR APPROXIMATELY 800 SPRIGS. SAME AS ABOVE. SOUTHERN COASTAL PLAIN ONLY

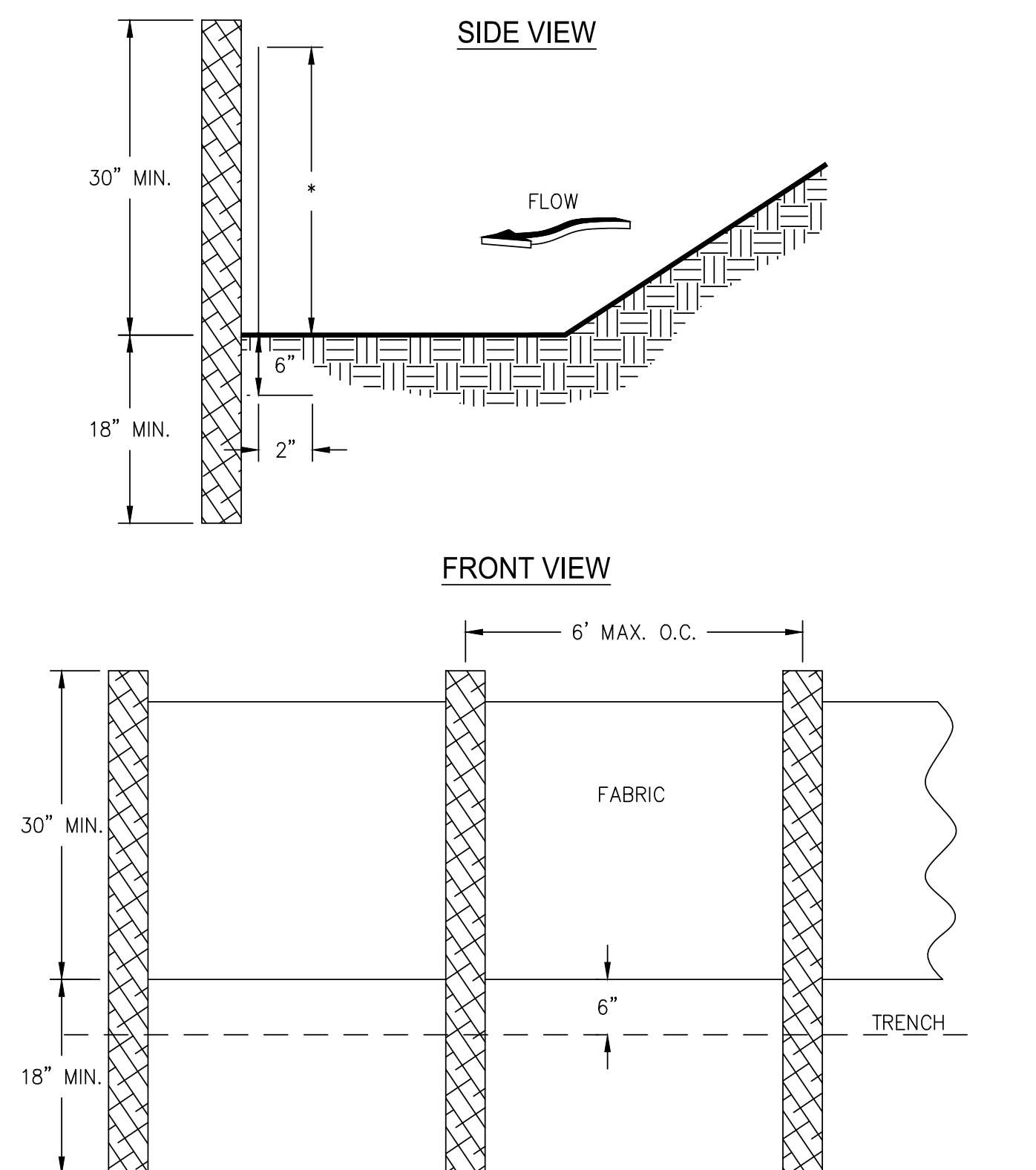
* (DARK LINES REPRESENT OPTIMUM DATES. GRAY LINES INDICATE PERMISSIBLE BUT MARGINAL DATES.)

SILT FENCE - TYPE SENSITIVE (SD1-S)

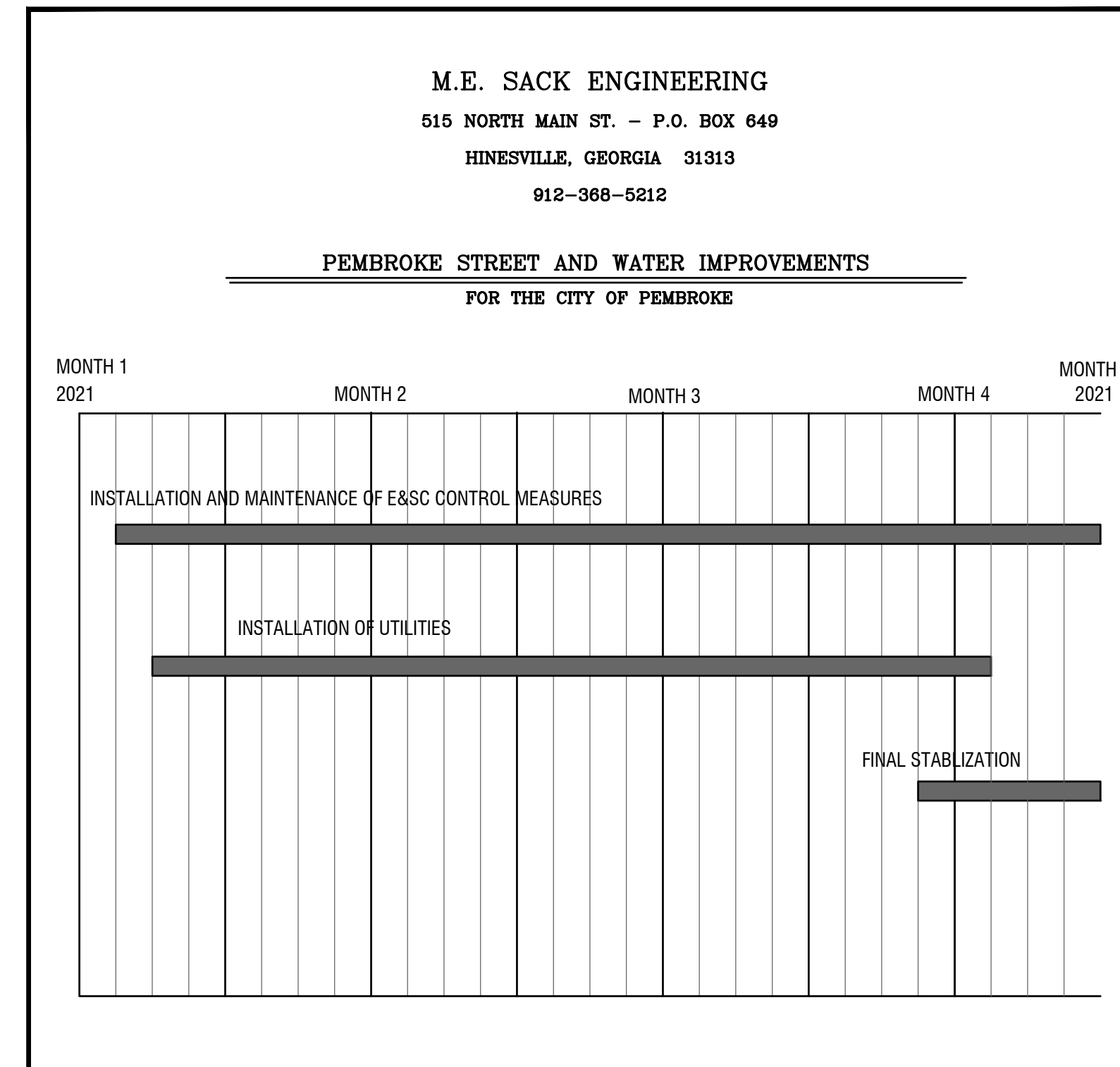


- NOTES:**
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
 2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

SILT FENCE - TYPE NON-SENSITIVE (SD1-NS)



- NOTES:**
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
 2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.



M.E. SACK ENGINEERING
515 NORTH MAIN ST. - P.O. BOX 649
HINESVILLE, GEORGIA 31313
912-368-5212

PEMBROKE STREET AND WATER IMPROVEMENTS
FOR THE CITY OF PEMBROKE

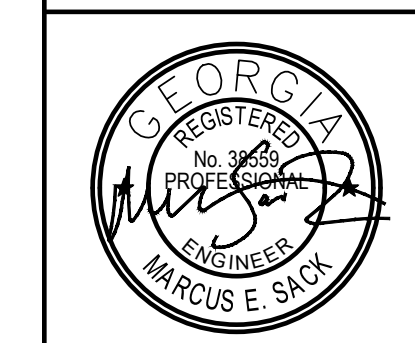
REVISIONS:

NO.	DATE	DESCRIPTION

DESIGN PROFESSIONAL:

MARCUS E. SACK
515 NORTH MAIN STREET
P.O. BOX 649
HINESVILLE, GA 31313
TEL: (912) 368-5212

135 GOSHEN ROAD
SUITE 250
RINGCON, GA 31326
TEL: (912) 295-2395



DATE: 10/30/2020



MUNICIPALITY:
CITY OF PEMBROKE

COUNTY:
BRYAN COUNTY

Owner:
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

24 HOUR CONTACT:
CITY OF PEMBROKE
160 N MAIN ST
PEMBROKE, GA 31321
(912) 653-4413
STREETS@PEMBROKEGA.NET

Pembroke City
Street Improvements

DETAILS

C501

FILE NO: 2020-35
PLOT DATE: October 28, 2020

LEGEND FOR EROSION AND SEDIMENT CONTROL PRACTICES		
CODE	PRACTICE	DESCRIPTION
SD1-NS	SILT FENCE 36" WIDE	A TEMPORARY SEDIMENT BARRIER CONSISTING OF A FILTER FABRIC STRETCHED ACROSS AND ATTACHED TO SUPPORTING POSTS AND ENTRENCHED. 6 MO. OR LONGER PROJECT LIFE.
SD1-S	SILT FENCE 36" WIRE BACKED	SD1-C HAS 6 MO. OR LONGER PROJECT LIFE. WIRE BACKING IS NECESSARY BECAUSE FABRIC ALLOWS 3 TIMES THE FLOW RATE OF TYPE A SILT FENCE.
Du	DUST CONTROL	CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITES, ROADWAYS, AND SIMILAR SITES.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	APPLYING PLANT RESIDUES OR OTHER SUITABLE MATERIALS NOT PRODUCED ON THE SITE TO THE SOIL SURFACE SUCH AS GRASS STRAW, HAY, PINE NEEDLES, WOOD WASTE AND SHREDDED RESIDUES.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDINGS)	ESTABLISHING TEMPORARY VEGETATIVE COVER SUCH AS RYE, SUDAGRASS, WHEAT, OR RYEGRASS ON DISTURBED AREAS.
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	ESTABLISHING PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, SOD, OR LEGUMES ON DISTURBED AREAS.