

# CITY OF PEMBROKE 2024 LMIG FOR THE CITY OF PEMBROKE BRYAN COUNTY, GEORGIA DATE: AUGUST 26, 2024

**SHEET INDEX:**  
DESCRIPTION

1. PAVEMENT OVERLAY EXHIBITS
2. DETAILS

SHEET

SHEETS C1-C4  
SHEET C5

**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



**MINIMUM PROJECT SPECIFICATIONS**



ANY JOB DESIGNED BY M.E. SACK ENGINEERING SHALL BE CONSTRUCTED IN ACCORDANCE WITH M.E. SACK ENGINEERING MINIMUM SPECIFICATIONS. IN MUNICIPALITIES WITH THEIR OWN SPECIFICATIONS, THEIR SPECIFICATIONS SHALL SUPERSEDE THE MINIMUM SPECIFICATIONS. LIKEWISE, PROJECTS THAT ARE BID SHALL BE HELD TO THE SPECIFICATIONS WITHIN THE BID DOCUMENT WHICH MAY DIFFER FROM THE MINIMUM SPECIFICATION REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THEY HAVE THE APPROPRIATE SPECIFICATIONS FOR EACH PROJECT. OBTAIN THE MINIMUM STANDARDS BY SCANNING THE QR CODE OR CLICKING THIS LINK: <https://www.mesack.com/technical-specifications/>

CONTACT ADMIN@MESACK.COM TO REQUEST CONFIRMATION OF CORRECT SPECIFICATIONS AT ANYTIME.

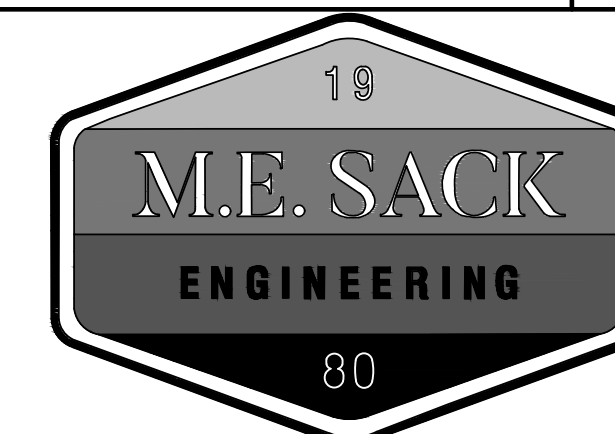
OWNER:  
CITY OF PEMBROKE  
160 N MAIN STREET  
PEMBROKE, GA 31321  
(912) 653-4413

24 HOUR CONTACT:  
CHRIS BENSON  
160 N MAIN STREET  
PEMBROKE, GA 31321  
(912) 653-4413  
STREETS@PEMBROKEGA.NET

DESIGN PROFESSIONAL:



DATE: 11/15/2024

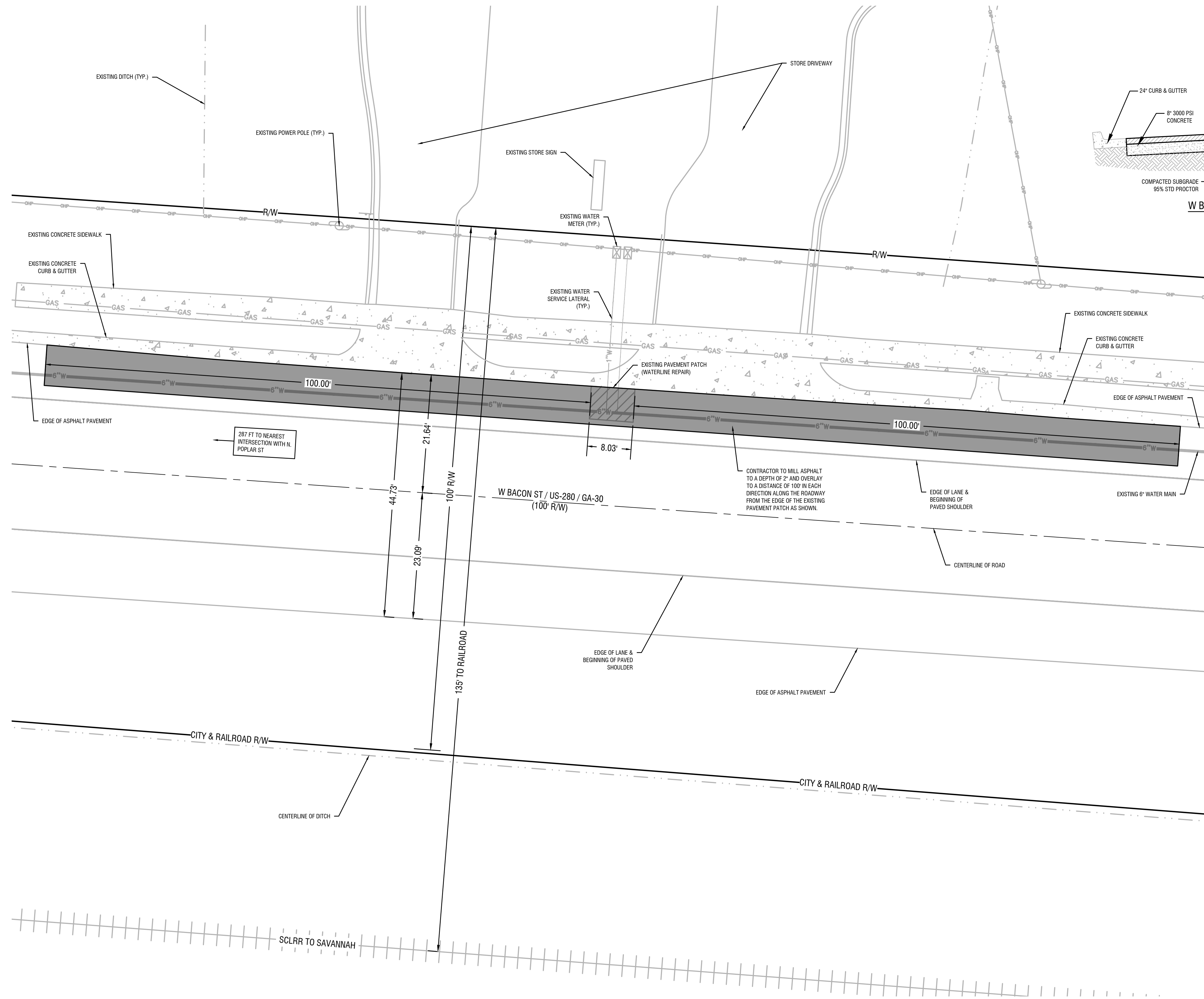
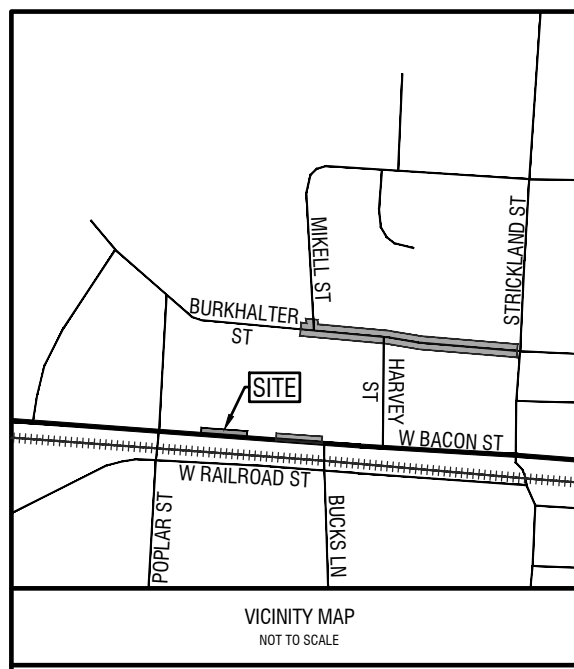


**GENERAL NOTES**

1. 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.
2. ALL DISTURBED AREAS TO BE REVEGETATED IMMEDIATELY AFTER CONSTRUCTION, IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.
3. ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY PROPERTY CORNERS, RIGHT OF WAY MONUMENTS, SIGNS OR OTHER STRUCTURES DISTURBED DURING CONSTRUCTION.
5. ALL TRAFFIC AND SIGNAGE CONTROL SHALL BE IN ACCORDANCE WITH THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES, MUTCD, CURRENT EDITION.

REVISION NO.	DATE	DESCRIPTION

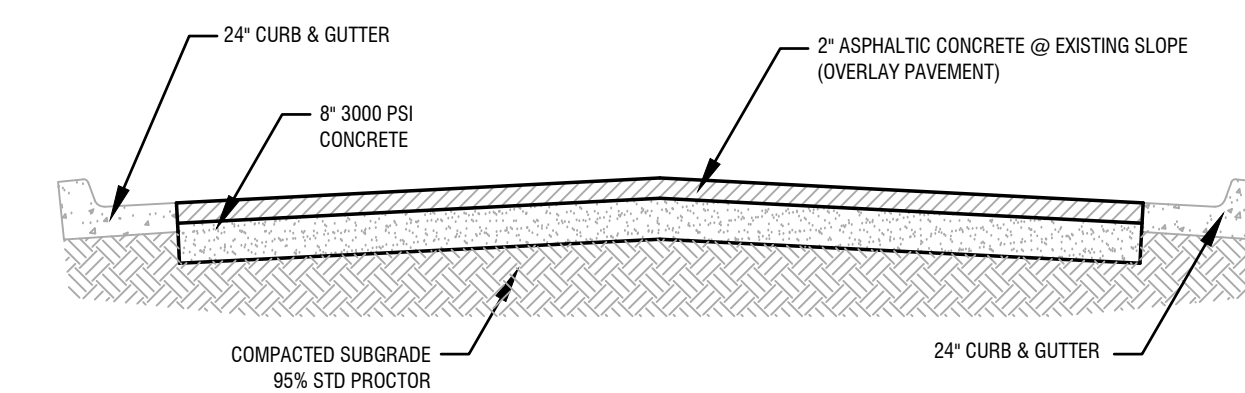
JOB NO. 2024-15PRJ  
**COVER SHEET**  
PLOT DATE: November 15, 2024



**W BACON STREET (EXHIBIT #1) QUANTITY ESTIMATES:**

1. 2" ASPHALT MILLING:	164 SY
2. 2" ASPHALTIC CONCRETE PAVING OVERLAY:	164 SY

\*QUANTITIES ARE ESTIMATES ONLY. LUMP SUM BID ITEMS IN BID DOCUMENTS SHALL BE REFLECTIVE OF ON SITE CONDITIONS.



**W BACON STREET PAVEMENT DETAIL**  
N.T.S.

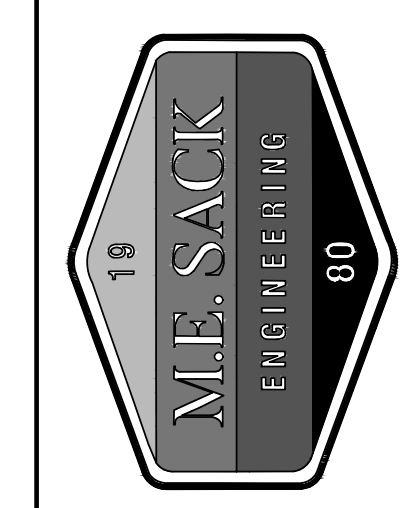
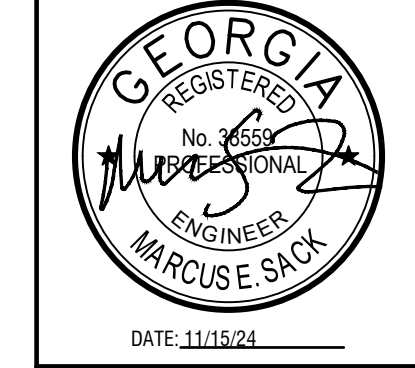
REVISIONS:


DRAWING COMPLETED BY: LEGAL/REVISE

THIS DRAWING IS AN INSTRUMENT OF SERVICE AND REMAINS THE PROPERTY OF P.C. SIMANTON & 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. SIMANTON & ASSOCIATES, 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**  
 GSWCC LEVEL II # 70248  
 EXPIRES: 06/14/2026  
 MARCUS@MESACK.COM

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



MUNICIPALITY:  
CITY OF PEMBROKE

COUNTY:  
BRYAN

OWNER:  
CITY OF PEMBROKE  
160 N MAIN STREET  
PEMBROKE, GA 31321  
(912) 653-4413

24 HOUR CONTACT:  
CHRIS BENSON  
160 N MAIN STREET  
PEMBROKE, GA 31321  
(912) 653-4413  
STREETS@PEMBROKEGA.NET

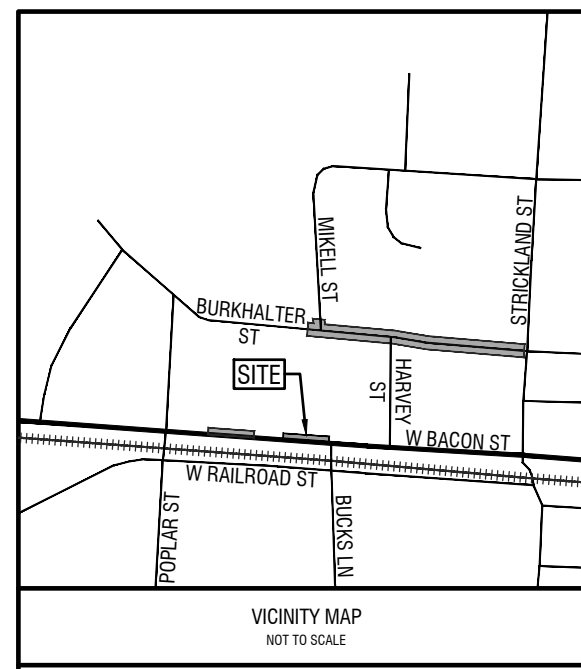
**City of Pembroke**  
**2024 LMIG**

**PAVEMENT OVERLAY EXHIBIT**

**C1**



FILE NO: 2024-15  
PLOT DATE: November 15, 2024



**W BACON STREET (EXHIBIT #2) QUANTITY ESTIMATES:**

1. 2" ASPHALT MILLING:	160 SY
2. 2" ASPHALTIC CONCRETE PAVING OVERLAY:	160 SY

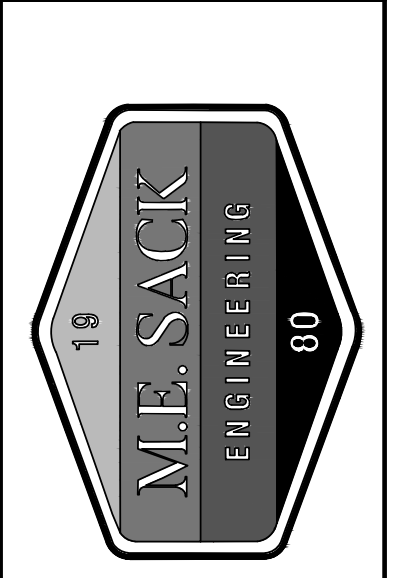
\*QUANTITIES ARE ESTIMATES ONLY. LUMP SUM BID ITEMS IN BID DOCUMENTS SHALL BE REFLECTIVE OF ON SITE CONDITIONS.

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 & ASSOCIATES, 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**  
 GSWCC LEVEL II # 70248  
 EXPIRES: 06/14/2026  
 MARCUS@MESACK.COM

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



MUNICIPALITY:  
CITY OF PEMBROKE

COUNTY:  
BRYAN

OWNER:  
CITY OF PEMBROKE  
160 N MAIN STREET  
PEMBROKE, GA 31321  
(912) 653-4413

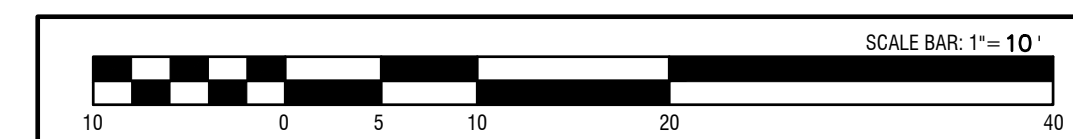
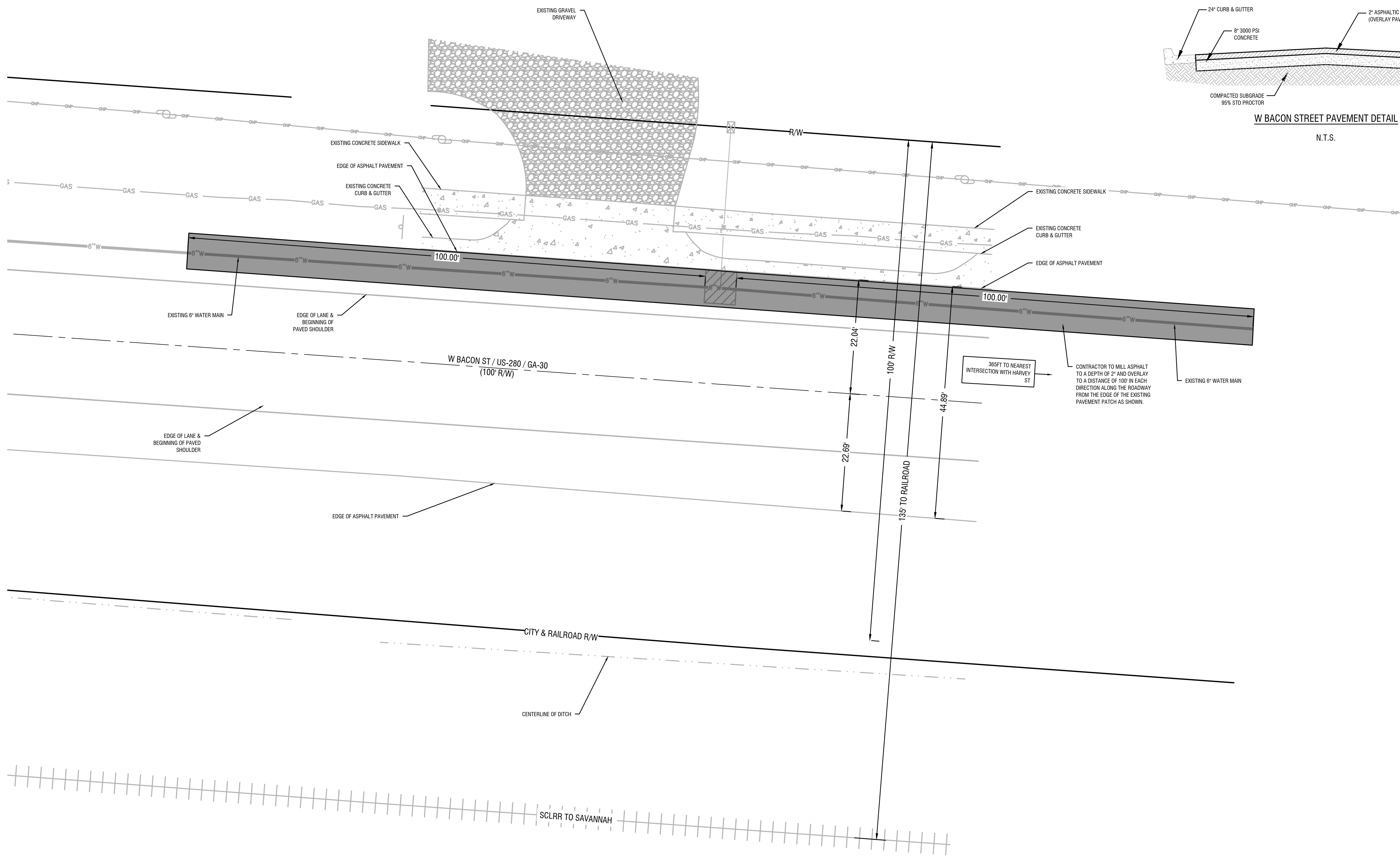
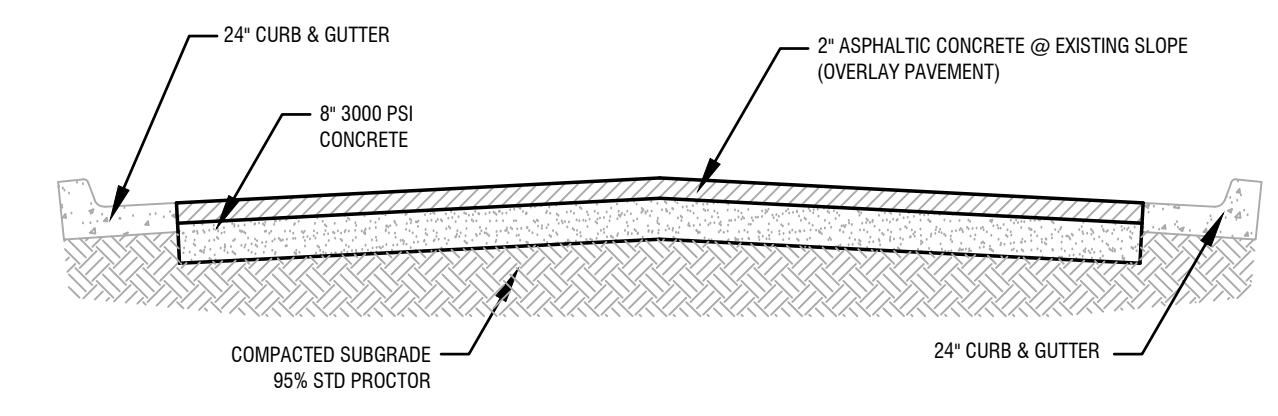
24 HOUR CONTACT:  
CHRIS BENSON  
160 N MAIN STREET  
PEMBROKE, GA 31321  
(912) 653-4413  
STREETS@PEMBROKEGA.NET

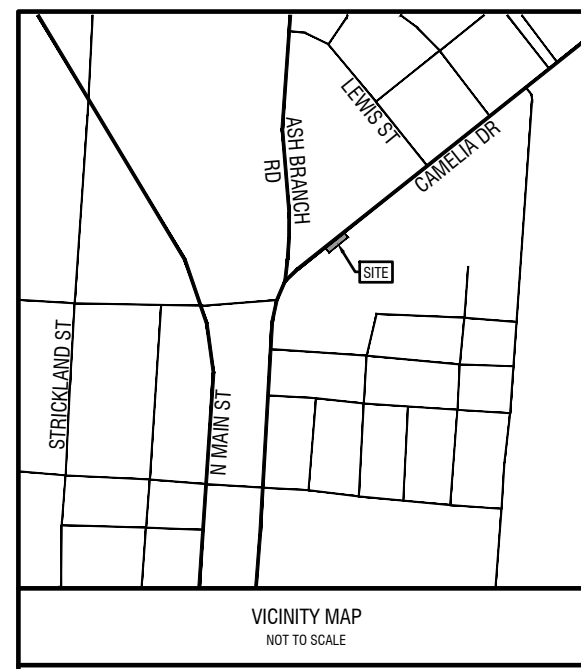
**City of Pembroke**  
**2024 LMIG**

**PAVEMENT OVERLAY EXHIBIT**

**C2**

FILE NO: 2024-15  
 PLOT DATE: November 15, 2024





**CAMELIA DRIVE QUANTITY ESTIMATES:**

1. 2" ASPHALT MILLING:	159 SY
2. 2" ASPHALTIC CONCRETE PAVING OVERLAY:	159 SY

\*QUANTITIES ARE ESTIMATES ONLY. LUMP SUM BID ITEMS IN BID DOCUMENTS SHALL BE REFLECTIVE OF ON SITE CONDITIONS.

REVISIONS:


DESIGN PROFESSIONAL:  
**MARCUS E. SACK**  
 GSWCC LEVEL II # 70248  
 EXPIRES: 06/14/2026  
 MARCUS@MESACK.COM



MUNICIPALITY:  
CITY OF PEMBROKE

COUNTY:  
BRYAN

OWNER:  
CITY OF PEMBROKE  
160 N MAIN STREET  
PEMBROKE, GA 31321  
(912) 653-4413

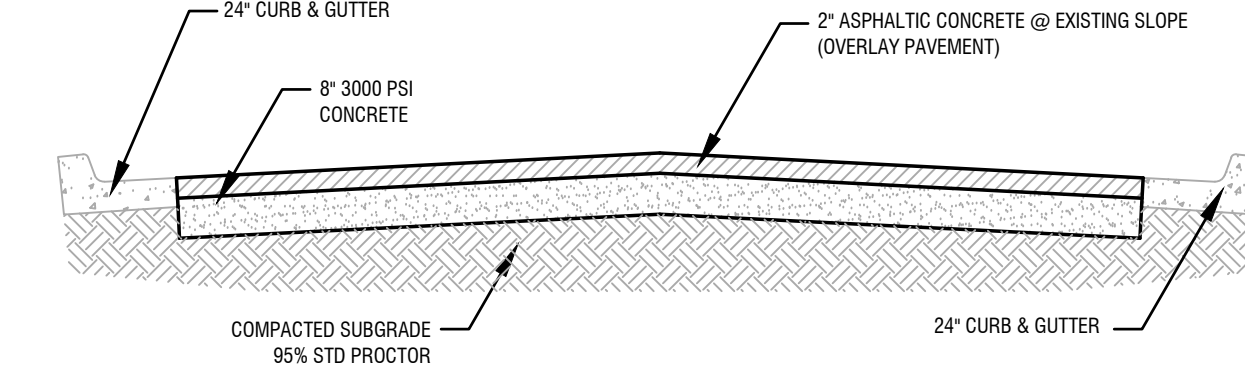
24 HOUR CONTACT:  
CHRIS BENSON  
160 N MAIN STREET  
PEMBROKE, GA 31321  
(912) 653-4413  
STREETS@PEMBROKEGA.NET

City of Pembroke  
2024 LMIG

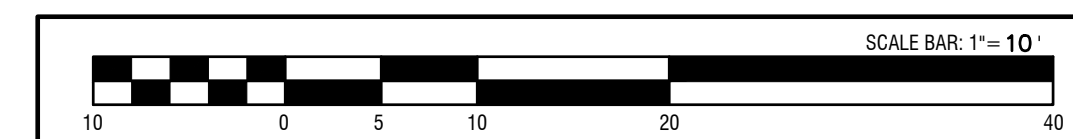
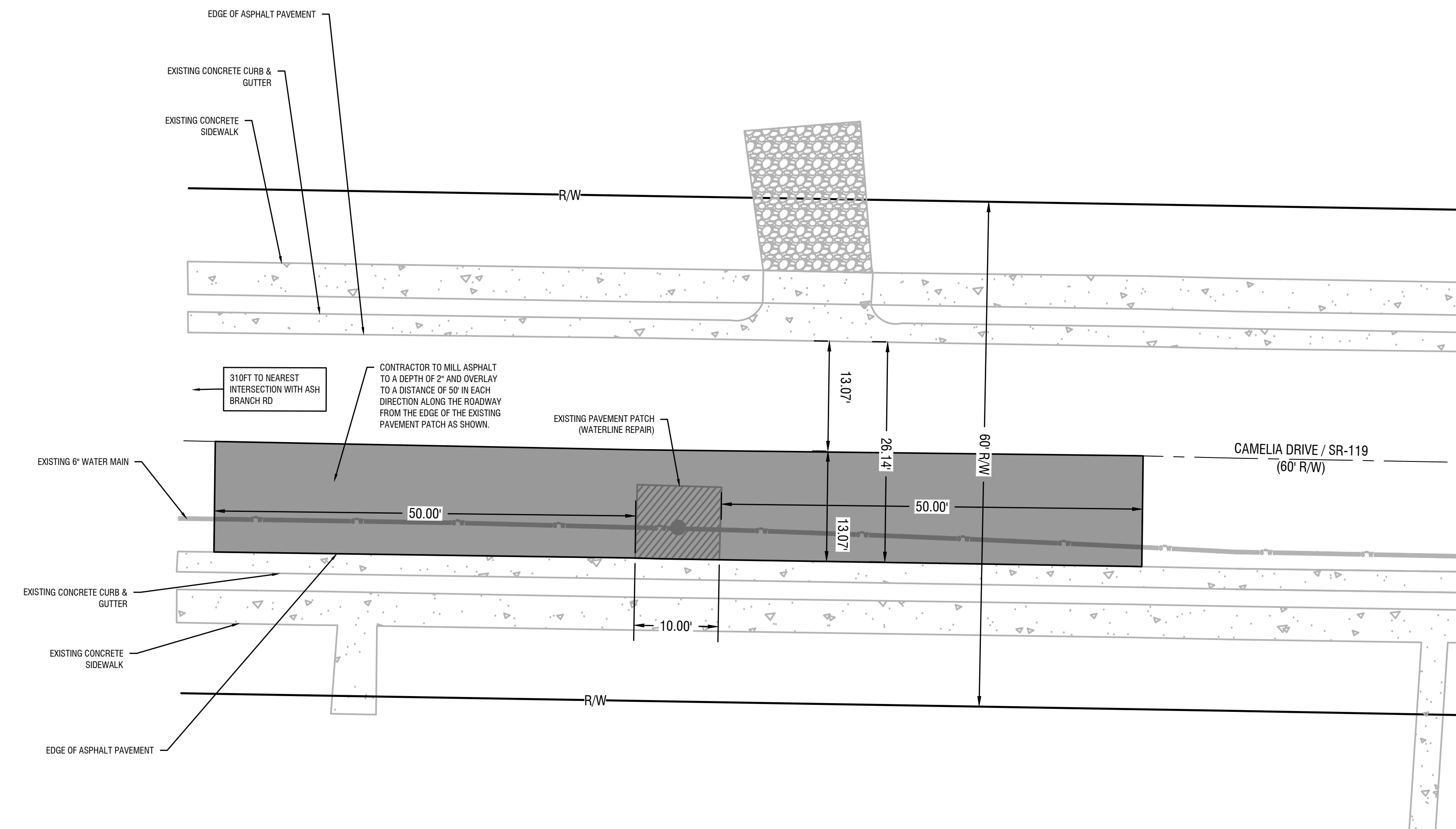
PAVEMENT  
OVERLAY  
EXHIBIT

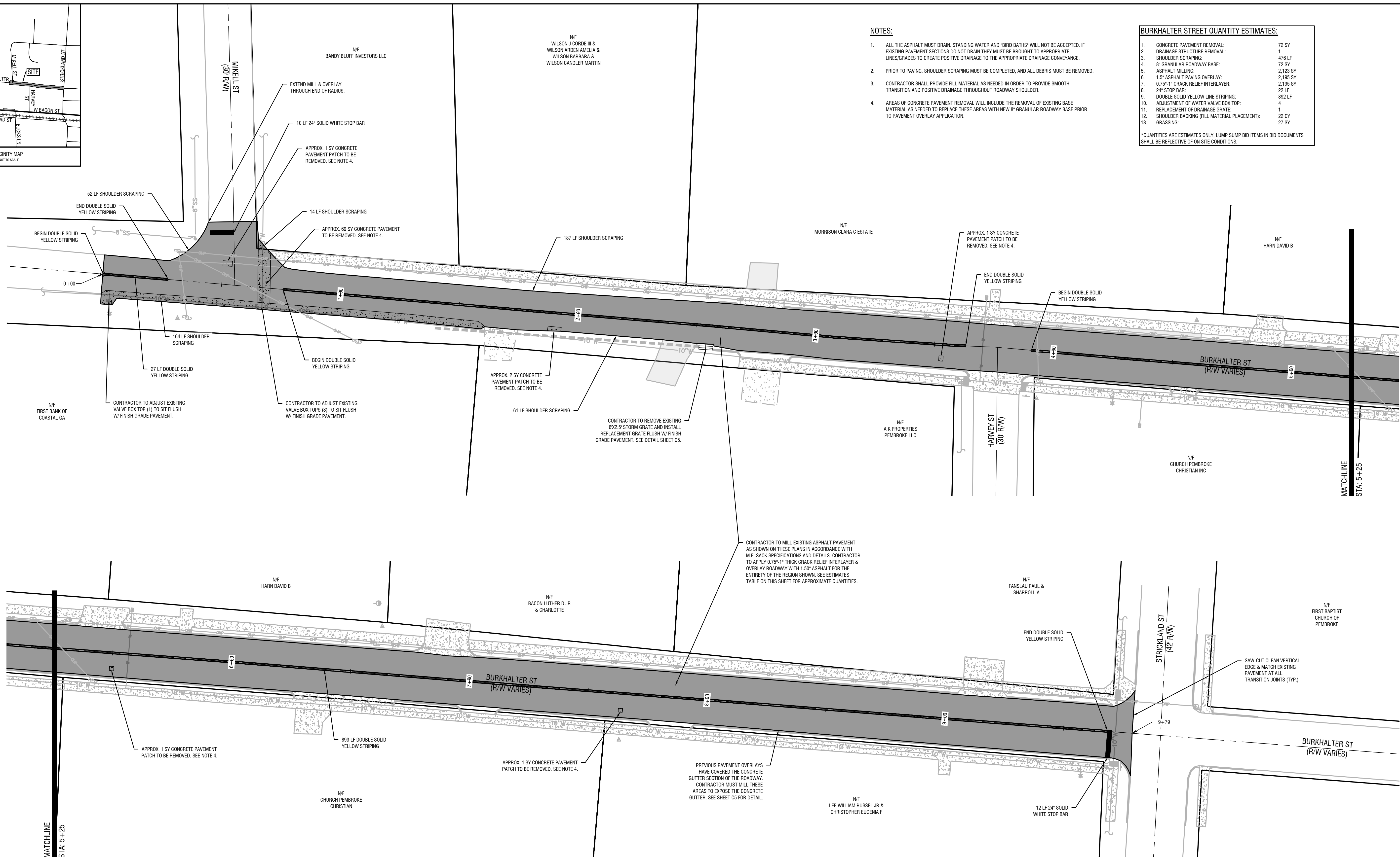
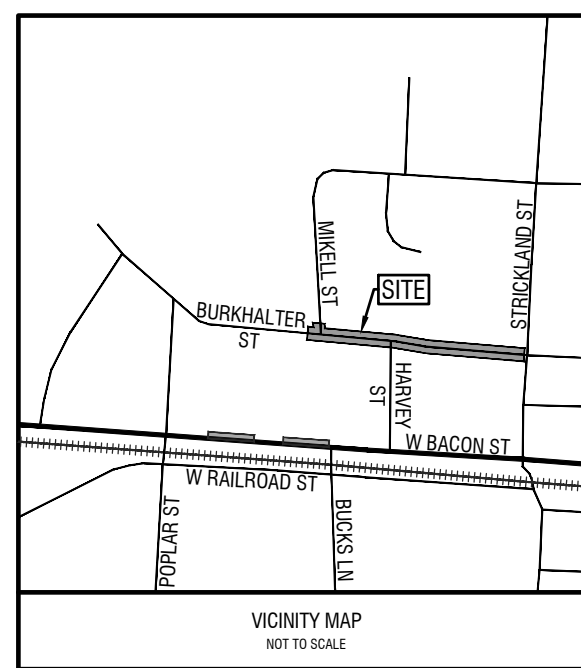
**C3**

FILE NO: 2024-15  
 PLOT DATE: November 15, 2024



**CAMELIA DRIVE PAVEMENT DETAIL**  
N.T.S.





- NOTES:**
1. ALL THE ASPHALT MUST DRAIN, STANDING WATER AND "BIRD BATHS" WILL NOT BE ACCEPTED. IF EXISTING PAVEMENT SECTIONS DO NOT DRAIN THEY MUST BE BROUGHT TO APPROPRIATE LINES/GRADES TO CREATE POSITIVE DRAINAGE TO THE APPROPRIATE DRAINAGE CONVEYANCE.
  2. PRIOR TO PAVING, SHOULDER SCRAPING MUST BE COMPLETED, AND ALL DEBRIS MUST BE REMOVED.
  3. CONTRACTOR SHALL PROVIDE FILL MATERIAL AS NEEDED IN ORDER TO PROVIDE SMOOTH TRANSITION AND POSITIVE DRAINAGE THROUGHOUT ROADWAY SHOULDER.
  4. AREAS OF CONCRETE PAVEMENT REMOVAL WILL INCLUDE THE REMOVAL OF EXISTING BASE MATERIAL AS NEEDED TO REPLACE THESE AREAS WITH NEW 8" GRANULAR ROADWAY BASE PRIOR TO PAVEMENT OVERLAY APPLICATION.

**BURKHALTER STREET QUANTITY ESTIMATES:**

1. CONCRETE PAVEMENT REMOVAL:	72 SY
2. DRAINAGE STRUCTURE REMOVAL:	1
3. SHOULDER SCRAPING:	476 LF
4. 8" GRANULAR ROADWAY BASE:	72 SY
5. ASPHALT MILLING:	2,123 SY
6. 1.5" ASPHALT PAVING OVERLAY:	2,195 SY
7. 0.75"-1" CRACK RELIEF INTERLAYER:	2,195 SY
8. 24" STOP BAR:	22 LF
9. DOUBLE SOLID YELLOW LINE STRIPING:	892 LF
10. ADJUSTMENT OF WATER VALVE BOX TOP:	4
11. REPLACEMENT OF DRAINAGE GRATE:	1
12. SHOULDER BACKING (FILL MATERIAL PLACEMENT):	22 CY
13. GRASSING:	27 SY

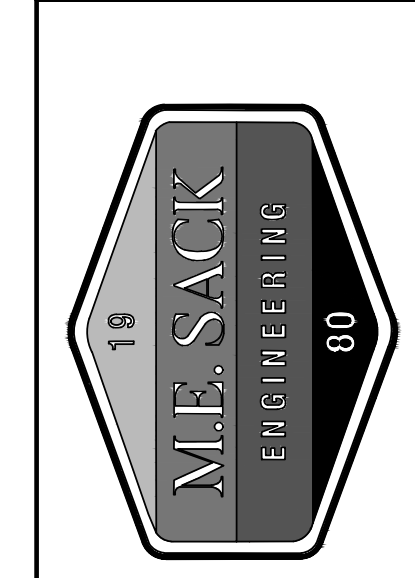
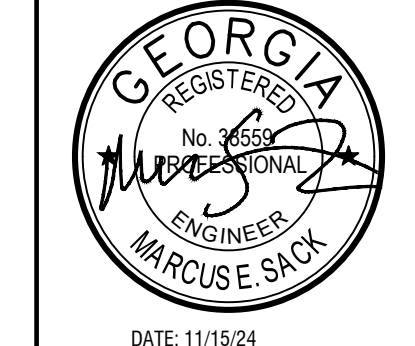
\*QUANTITIES ARE ESTIMATES ONLY. LUMP SUM BID ITEMS IN BID DOCUMENTS SHALL BE REFLECTIVE OF ON SITE CONDITIONS.

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 OF THIS DRAWING, THE ORIGINAL DRAWING SHALL BE THE AUTHORITY. P.C. SIMONTON & ASSOCIATES, 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**  
 GSWCC LEVEL II # 70248  
 EXPIRES: 06/14/2026  
 MARCUS@MESACK.COM

515 NORTH MAIN STREET  
 HINESVILLE, GA 31313  
 TEL: (912) 368-5212



**MUNICIPALITY:**  
 CITY OF PEMBROKE

**COUNTY:**  
 BRYAN

**OWNER:**  
 CITY OF PEMBROKE  
 160 N MAIN STREET  
 PEMBROKE, GA 31321  
 (912) 653-4413

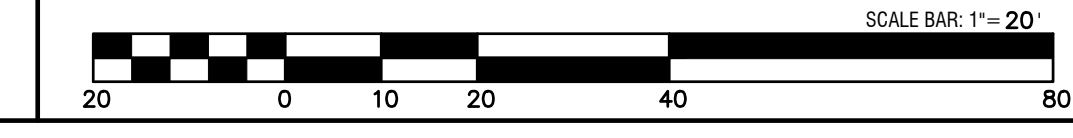
**24 HOUR CONTACT:**  
 CHRIS BENSON  
 160 N MAIN STREET  
 PEMBROKE, GA 31321  
 (912) 653-4413  
 STREETS@PEMBROKEGA.NET

**City of Pembroke**  
**2024 LMIG**

**PAVEMENT OVERLAY EXHIBIT**

**C4**

FILE NO: 2024-15  
 PLOT DATE: November 15, 2024

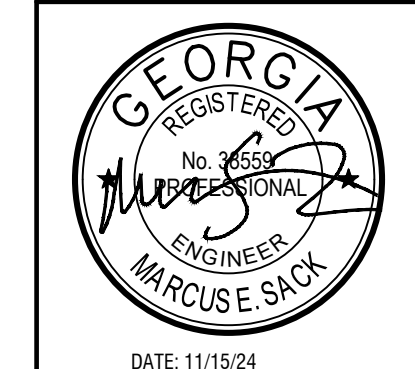


REVISIONS:	

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 & ASSOCIATES, 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**  
 GSWCC LEVEL II # 70248  
 EXPIRES: 06/14/2026  
 MARCUS@MESACK.COM

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



**MUNICIPALITY:**  
 CITY OF PEMBROKE

**COUNTY:**  
 BRYAN

**OWNER:**  
 CITY OF PEMBROKE  
 160 N MAIN STREET  
 PEMBROKE, GA 31321  
 (912) 653-4413

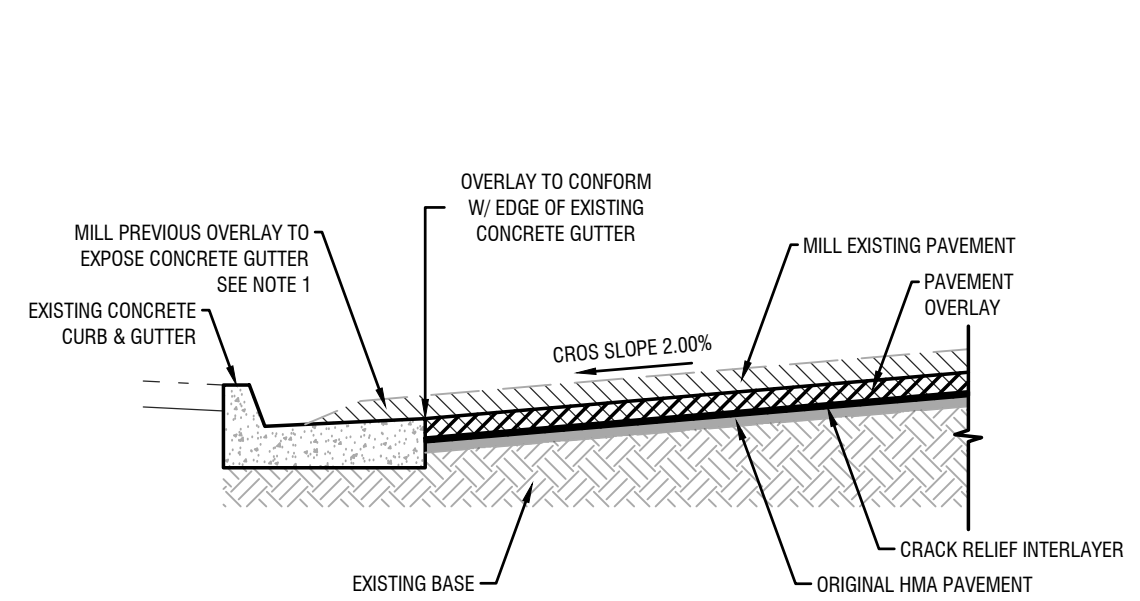
**24 HOUR CONTACT:**  
 CHRIS BENSON  
 160 N MAIN STREET  
 PEMBROKE, GA 31321  
 (912) 653-4413  
 STREETS@PEMBROKEGA.NET

**City of Pembroke**  
**2024 LMIG**

**DETAILS**

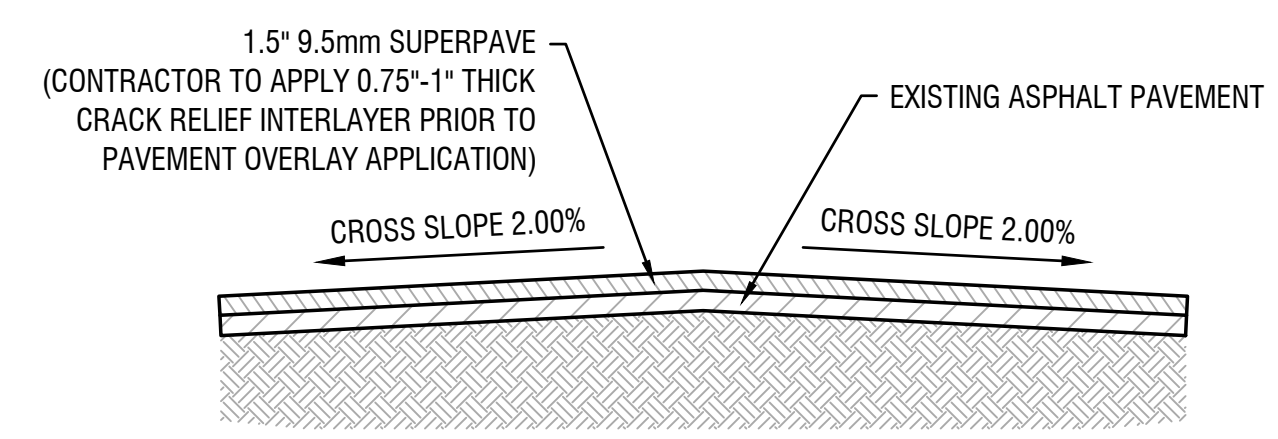
**C5**

FILE NO: 2024-15  
 PLOT DATE: November 15, 2024

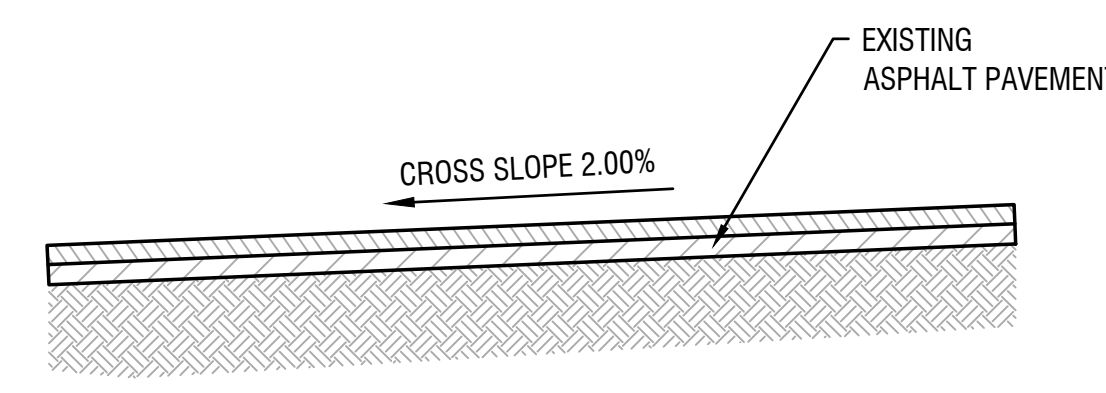


- NOTES:**
- CONTRACTOR TO MILL EXISTING PAVEMENT OVERLAY DOWN TO THE DEPTH OF THE ORIGINAL CONCRETE GUTTER SECTION.
  - PROPOSED OVERLAY TO SLOPE AT 2.00% FROM THE EXISTING EDGE OF CONCRETE GUTTER SECTION TOWARDS THE CENTERLINE OF THE ROADWAY.
  - SEE OVERLAY DETAILS FOR TYPE OF PAVEMENT & OVERLAY DEPTH REQUIRED.

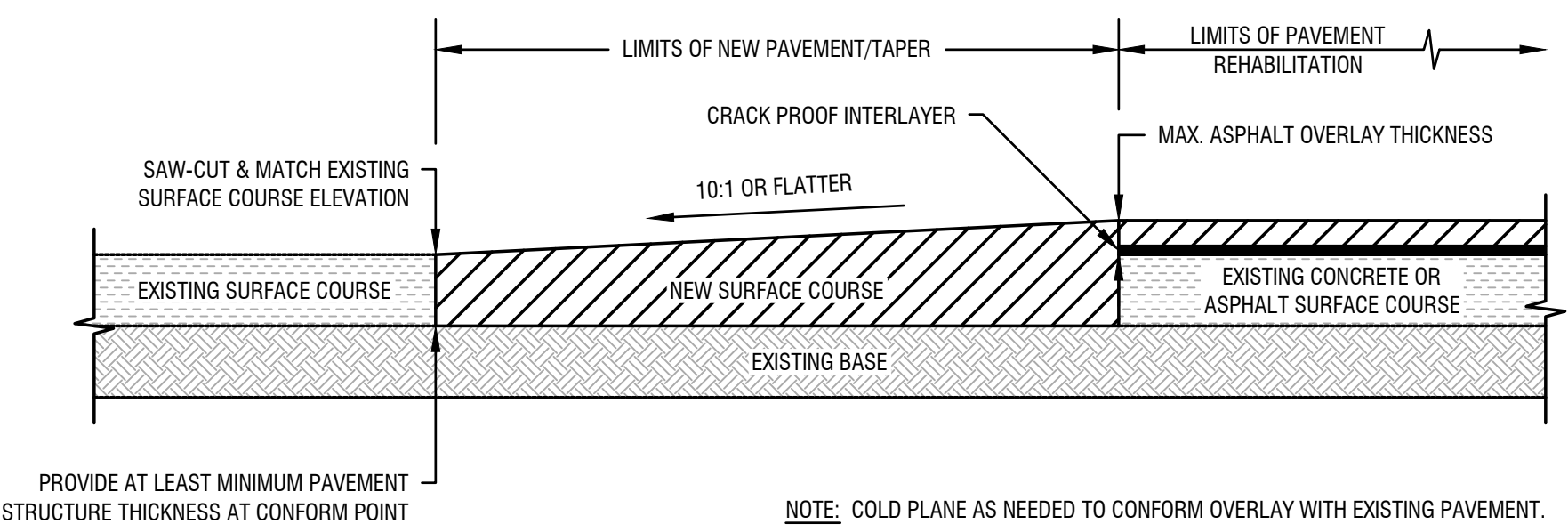
**OVERLAY ASPHALT CONFORM TO EXISTING CURB & GUTTER DETAIL**  
 NOT TO SCALE



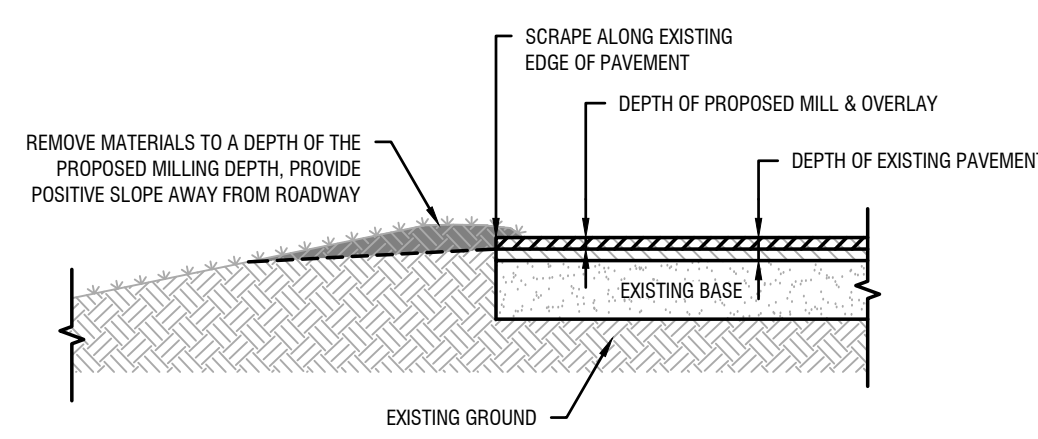
**CROWNED PAVEMENT OVERLAY DETAIL**  
 NOT TO SCALE



**SUPER ELEVATED PAVEMENT OVERLAY DETAIL**  
 NOT TO SCALE

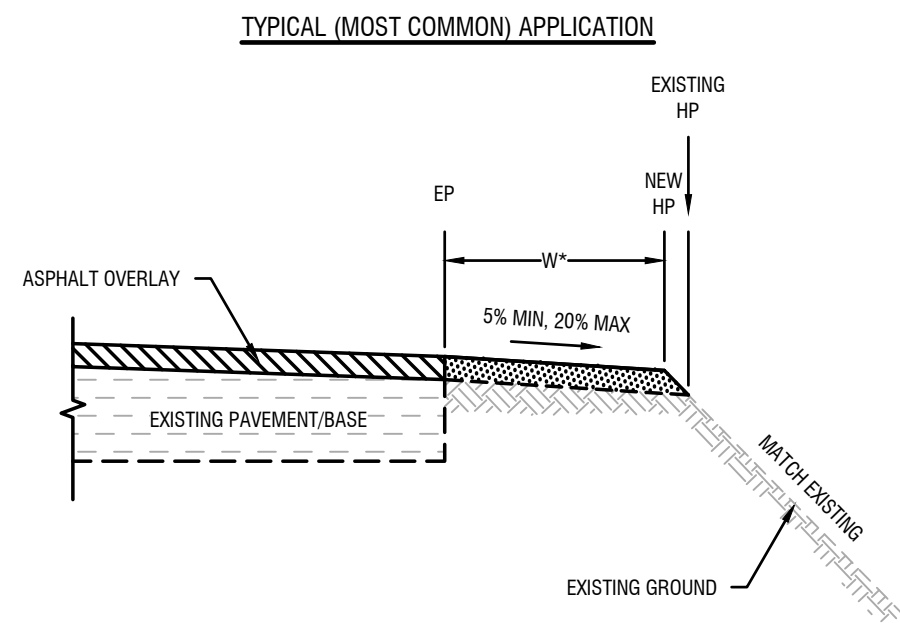
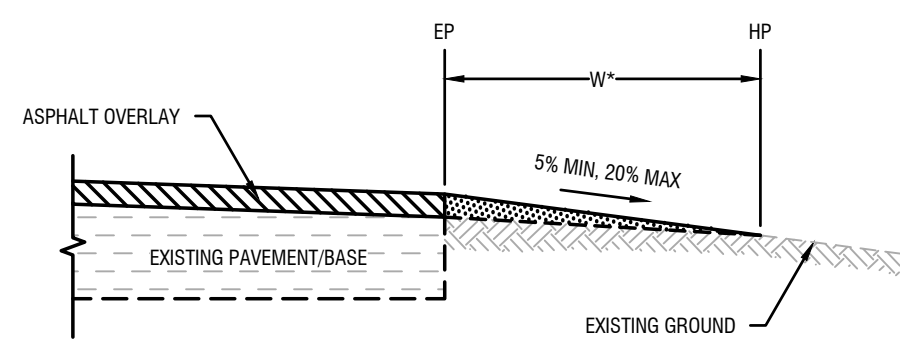


**OVERLAY PAVEMENT TRANSITION JOINT DETAIL**  
 NOT TO SCALE



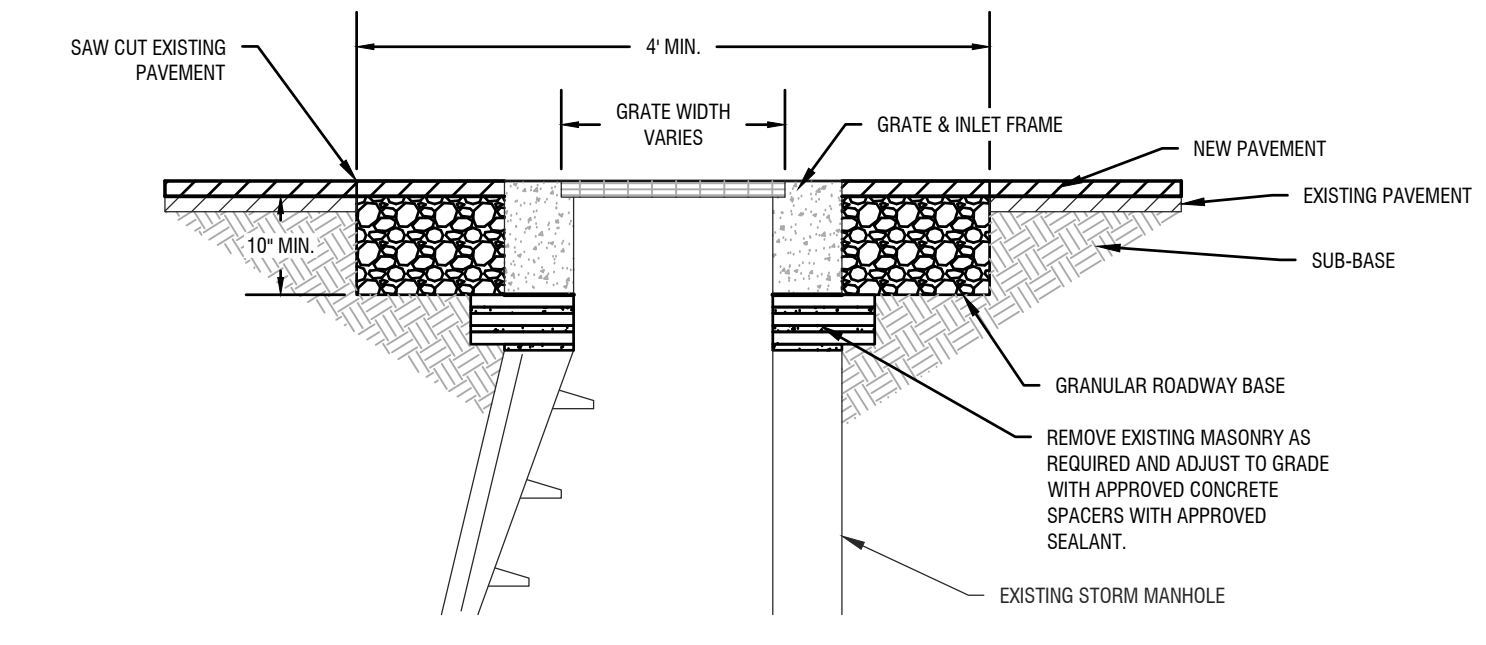
- NOTES:**
- CONTRACTOR TO SCRAPE A CLEAN VERTICAL CUT ALONG THE EDGE OF EXISTING PAVEMENT & REMOVE ANY MATERIAL PREVENTING PROPER DRAINAGE AWAY FROM THE PROPOSED ROADWAY SURFACE.
  - SHOULDERS MUST BE SCRAPED PRIOR TO PAVING AND REMAIN CLEAR OF DEBRIS UNTIL THE FINAL PAVEMENT APPLICATION AND SHOULDER BACKING HAS BEEN COMPLETED.
  - SHOULDERS MUST BE SCRAPED AS NEEDED TO ENSURE BACKING WILL PROVIDE POSITIVE DRAINAGE & CONFORM TO THE OVERALL DRAINAGE CONVEYANCE OF THE EXISTING SITE. REFER TO SHOULDER BACKING REQUIREMENTS TO ENSURE ADEQUATE SCRAPING WIDTH/SLOPE.
  - CONTRACTOR IS RESPONSIBLE FOR PROVIDING ANY FILL MATERIAL NEEDED TO CONSTRUCT/RECONSTRUCT ROADWAY SHOULDER ONCE PROPOSED PAVEMENT OVERLAY HAS BEEN APPLIED. SHOULDERS MAY BE CONSTRUCTED USING IN SITU MATERIAL, AS LONG AS MATERIAL MEETS THE REQUIREMENTS DESCRIBED IN THE SHOULDER BACKING DETAIL ON THIS SHEET.

**SHOULDER SCRAPING DETAIL**  
 N.T.S.

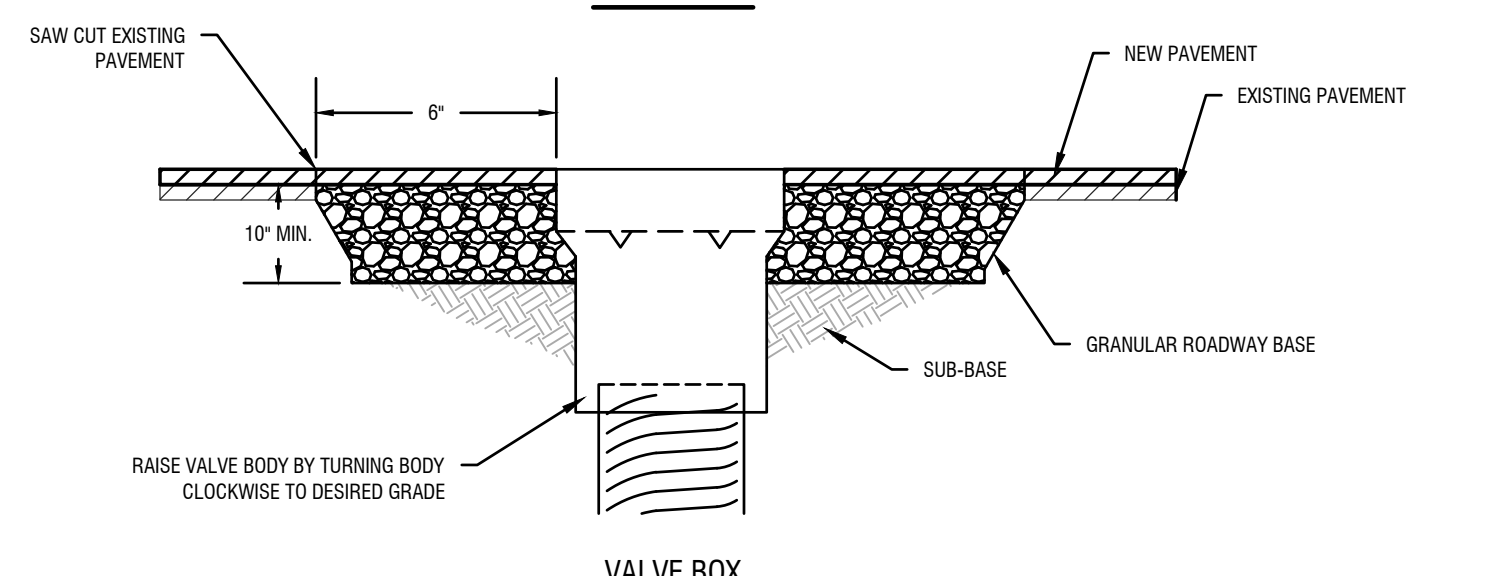


**\*WIDTH REQUIREMENTS:**  
 MIN. WIDTH = 2 FT  
 MAX. WIDTH = 3 FT (WHERE SITE CONDITIONS ALLOW)  
 WIDTH REQUIREMENTS ALSO EXIST FOR DIKES, MGBR, AND CONCRETE BARRIERS.  
**MATERIAL:** SHOULDER BACKING MATERIAL BE GRANULAR BASE MATERIAL COMPACTED TO 95% PROCTOR.

**SHOULDER BACKING DETAIL**  
 N.T.S.



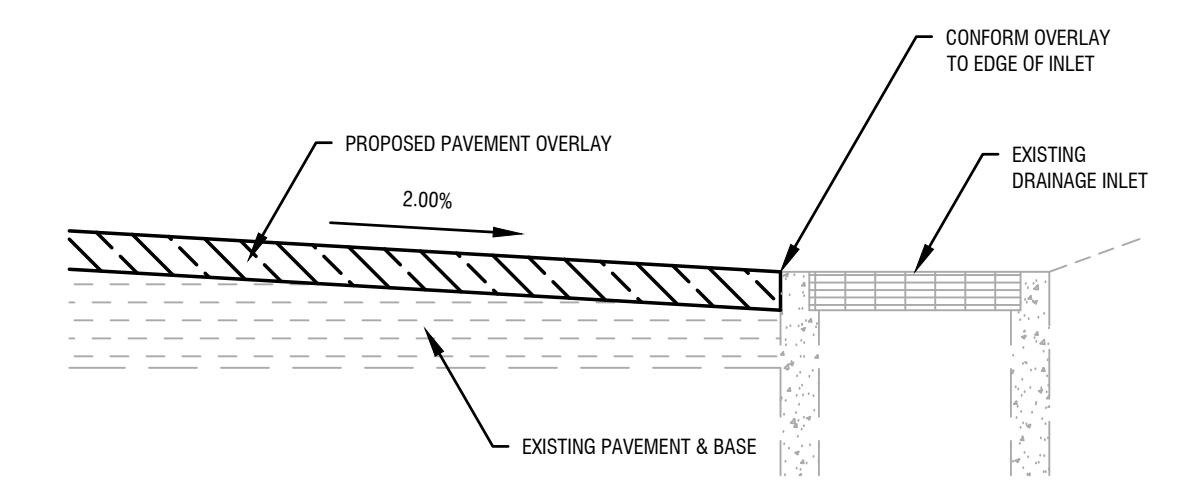
**GRATE INLET**



**VALVE BOX**

- NOTE:**
- STRUCTURES SHALL NOT BE ADJUSTED FOR A PERIOD OF 24 HOURS AFTER RESURFACING IS COMPLETED IN THAT AREA.
  - ASPHALT SHALL BE SAWCUT TO MAKE A SMOOTH, EVEN EDGE.
  - STRUCTURE SHALL BE ADJUSTED TO FIT FLUSH WITH STREET SURFACE.
  - USE AT LEAST 3/4\"/>

**STRUCTURE ADJUSTMENT IN TRAFFIC AREAS**  
 N.T.S.



**ASPHALT OVERLAY CONFORM TO EXISTING DRAINAGE**  
 NOT TO SCALE

**NOTE:** DETAILS ON THIS SHEET ONLY APPLY TO THE BURKHALTER STREET SITE (SHEET C4). REFER TO SHEETS C1-C3 FOR PAVEMENT DETAILS COVERING THE STATE ROADWAY PAVEMENT OVERLAYS.