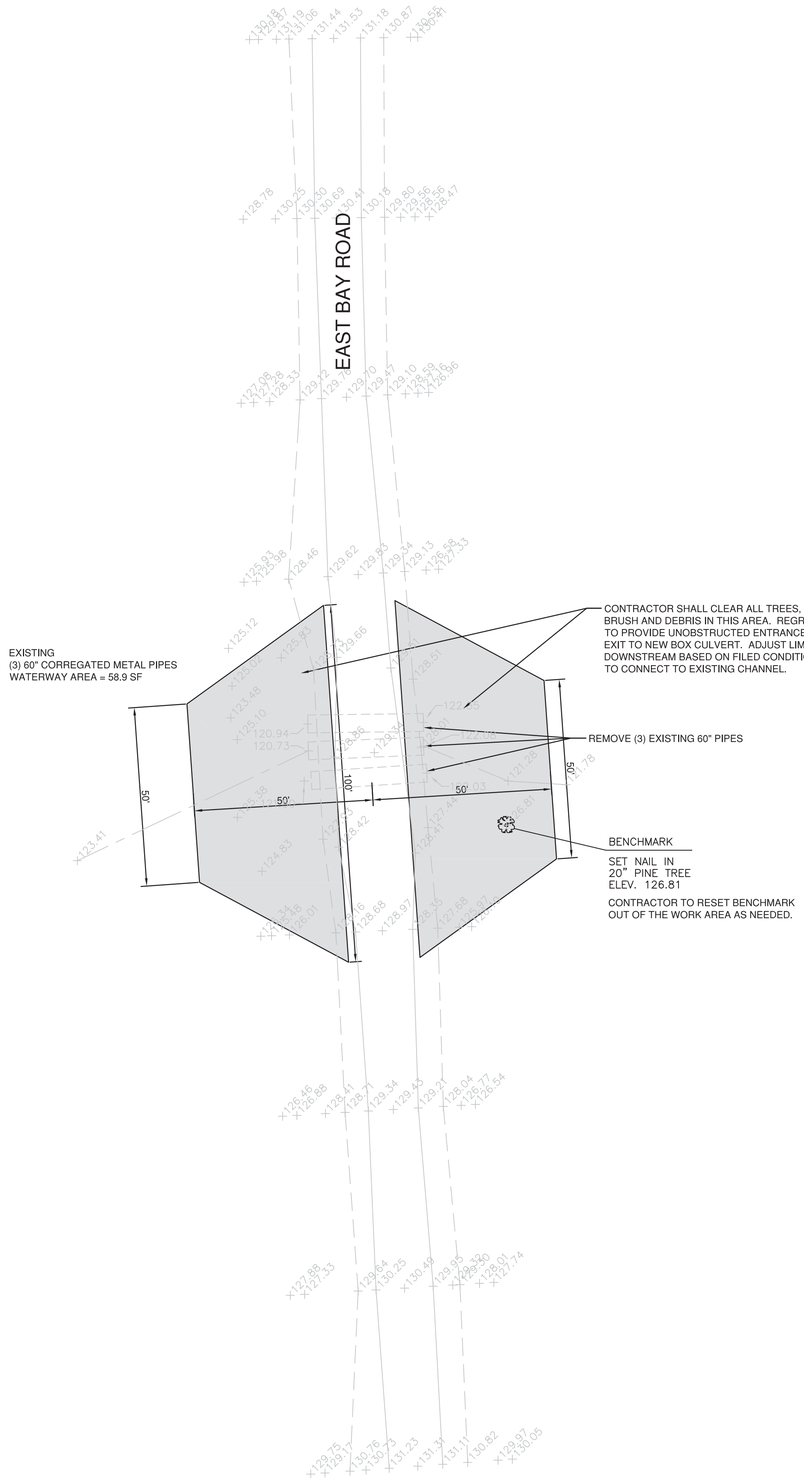
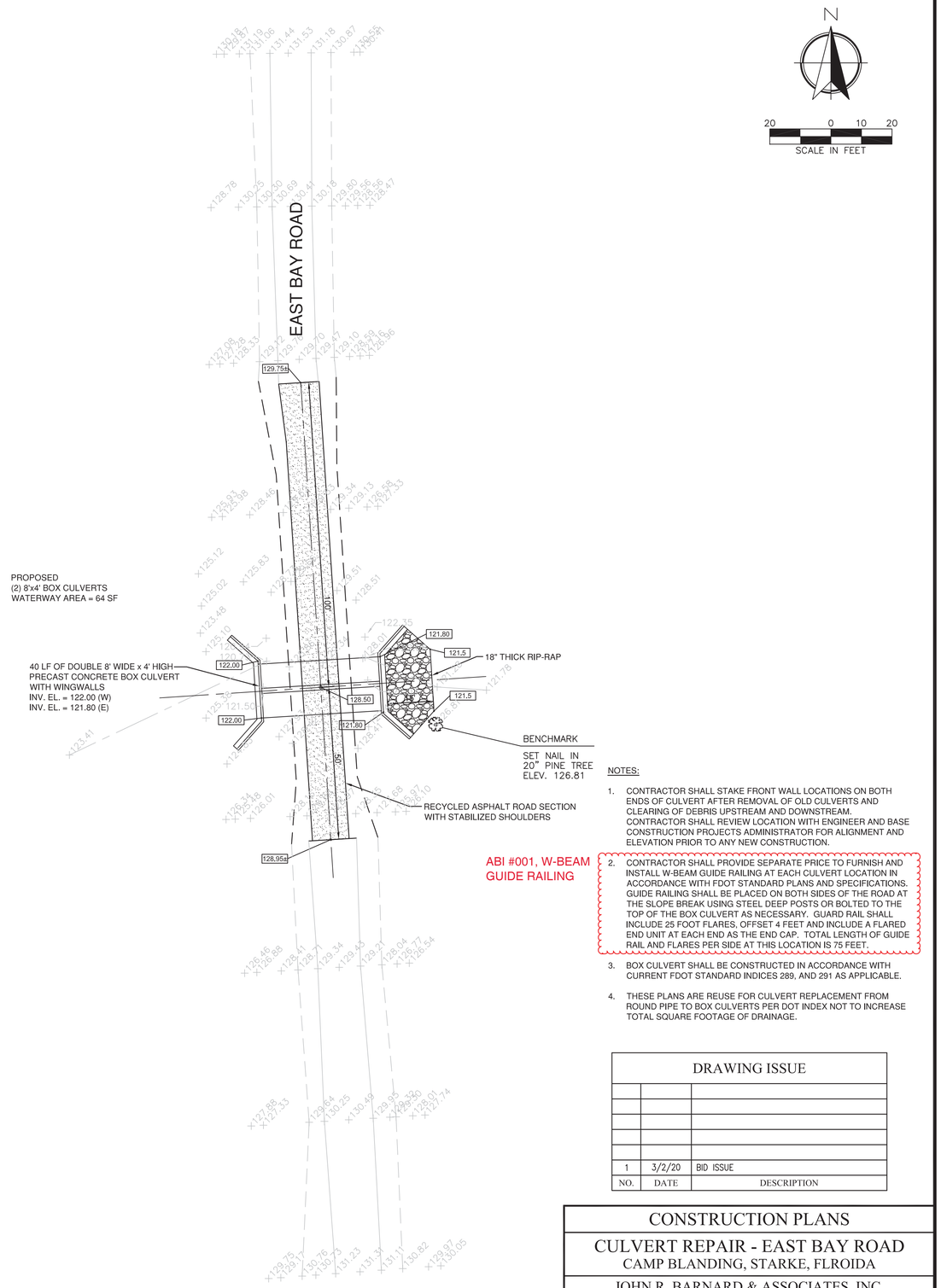


EXISTING CONDITIONS AND DEMOLITION PLAN



ABI #001, W-BEAM GUIDE RAILING

NOTES:

1. CONTRACTOR SHALL STAKE FRONT WALL LOCATIONS ON BOTH ENDS OF CULVERT AFTER REMOVAL OF OLD CULVERTS AND CLEARING OF DEBRIS UPSTREAM AND DOWNSTREAM. CONTRACTOR SHALL REVIEW LOCATION WITH ENGINEER AND BASE CONSTRUCTION PROJECTS ADMINISTRATOR FOR ALIGNMENT AND ELEVATION PRIOR TO ANY NEW CONSTRUCTION.
2. CONTRACTOR SHALL PROVIDE SEPARATE PRICE TO FURNISH AND INSTALL W-BEAM GUIDE RAILING AT EACH CULVERT LOCATION IN ACCORDANCE WITH FDOT STANDARD PLANS AND SPECIFICATIONS. GUIDE RAILING SHALL BE PLACED ON BOTH SIDES OF THE ROAD AT THE SLOPE BREAK USING STEEL DEEP POSTS OR BOLTED TO THE TOP OF THE BOX CULVERT AS NECESSARY. GUARD RAIL SHALL INCLUDE 25 FOOT FLARES, OFFSET 4 FEET AND INCLUDE A FLARED END UNIT AT EACH END AS THE END CAP. TOTAL LENGTH OF GUIDE RAIL AND FLARES PER SIDE AT THIS LOCATION IS 75 FEET.
3. BOX CULVERT SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT FDOT STANDARD INDICES 289, AND 291 AS APPLICABLE.
4. THESE PLANS ARE REUSE FOR CULVERT REPLACEMENT FROM ROUND PIPE TO BOX CULVERTS PER DOT INDEX NOT TO INCREASE TOTAL SQUARE FOOTAGE OF DRAINAGE.

CONSTRUCTION PLAN

DRAWING ISSUE		
1	3/2/20	BID ISSUE
NO.	DATE	DESCRIPTION

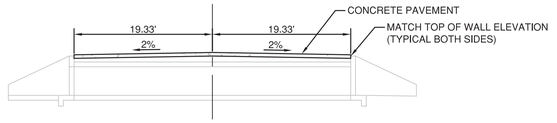
CONSTRUCTION PLANS

CULVERT REPAIR - EAST BAY ROAD
CAMP BLANDING, STARKE, FLROIDA

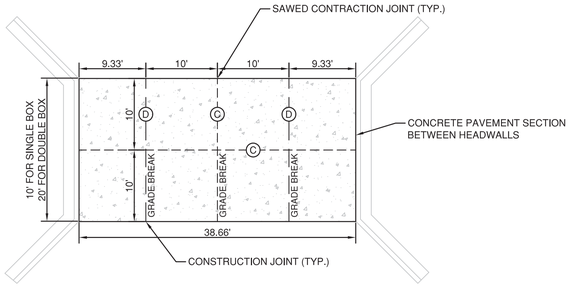
JOHN R. BARNARD & ASSOCIATES, INC.
CONSULTING ENGINEERS, FL. CERT. #7643
4453 SHIRLEY AVENUE
JACKSONVILLE, FLORIDA 32210
(904) 387-2025

DESIGN	P.E. #	DATE	SCALE	JOB NO.	SHEET NO.
JOHN BARNARD	40868	3/2/20	1"=20'	217091	5

ABI #002, CONCRETE PAVEMENT
AT BOX CULVERT



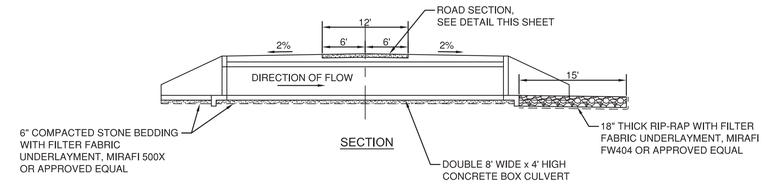
SECTION



PLAN VIEW

CONCRETE PAVEMENT - ALTERNATE

NOT TO SCALE



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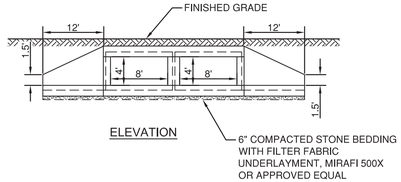
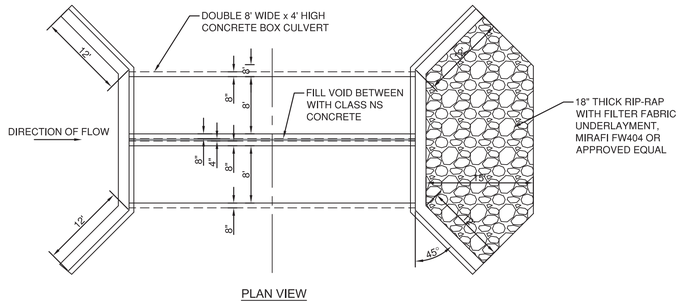


ELEVATION



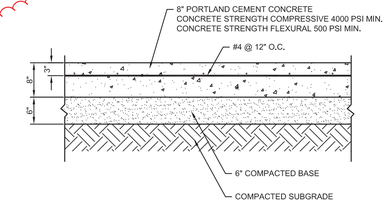
PLAN VIEW

CONCRETE BOX CULVERT DETAILS

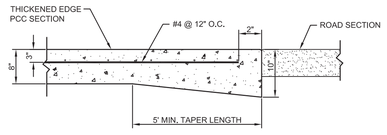
NOT TO SCALE

NOTES:

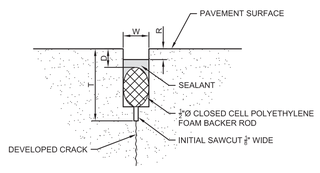
1. CONTRACTOR SHALL STAKE FRONT WALLS ON BOTH ENDS OF CULVERT AFTER REMOVAL OF OLD CULVERTS AND CLEARING OF DEBRIS UPSTREAM AND DOWNSTREAM. CONTRACTOR SHALL REVIEW LOCATION WITH ENGINEER AND BASE CONSTRUCTION PROJECTS ADMINISTRATOR FOR ALIGNMENT AND ELEVATION PRIOR TO ANY NEW CONSTRUCTION.
2. DESIGN FOR PROPOSED CULVERT IMPROVEMENTS BASED ON DUPLICATING TRAIL ROAD CONDITIONS, GUARD RAILS NOT INCLUDED UNLESS SPECIFICALLY REQUIRED BY CAMP BLANDING PERSONNEL.
3. BOX CULVERT SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT FDOT STANDARD INDICES 289, AND 291 AS APPLICABLE.
4. SEE PLAN SHEETS FOR ELEVATIONS.
5. ROUND PIPE TO BOX CULVERT CONVERSION SHALL BE PERFORMED PER APPLICABLE FDOT INDEXES. PIPE SQUARE FOOTAGE FOR THE NEW BOX CULVERT MUST BE LESS THAN OR EQUAL TO THE EXISTING ROUND PIPE SQUARE FOOTAGE.



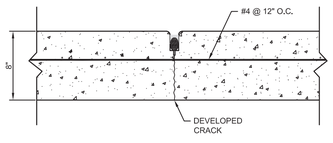
A PCC PAVEMENT SECTION DETAIL
SCALE: NOT TO SCALE



B NEW PCC EDGE DETAIL
SCALE: NOT TO SCALE

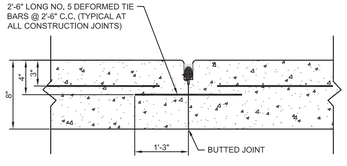


CONTRACTION JOINT



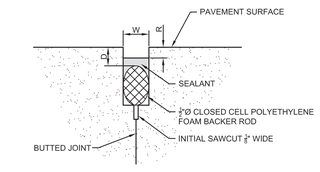
NOTE:
WWR SHALL BE PLACED TO MAINTAIN A MINIMUM COVER
OF NOT LESS THAN 3 INCHES TO ALL EXPOSED SURFACES.

C SAWED CONTRACTION JOINT DETAIL
SCALE: NOT TO SCALE



NOTE:
WWR SHALL BE PLACED TO MAINTAIN A MINIMUM COVER
OF NOT LESS THAN 3 INCHES TO ALL EXPOSED SURFACES.

D CONSTRUCTION JOINT DETAIL
SCALE: NOT TO SCALE



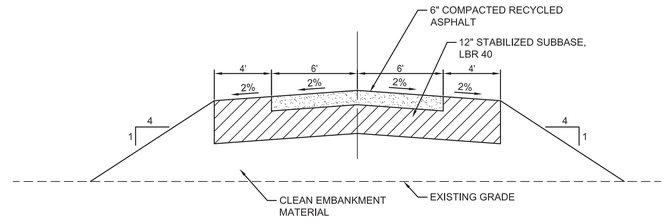
CONTRACTION JOINT

DEFINITIONS
W = WIDTH OF SEALANT RESERVOIR
D = DEPTH OF SEALANT = 1.0 TO 1.5 x W (OR PER MANUFACTURER'S RECOMMENDATION)
T = DEPTH OF INITIAL SAWCUT = 2.25"
R = DEPTH OF RECESS = ¼" MINIMUM TO ½" MAXIMUM

E JOINT SEALANT DETAILS
SCALE: NOT TO SCALE

CONCRETE PAVEMENT DETAILS

NOT TO SCALE



TYPICAL ROAD SECTION

NOT TO SCALE

NOTES:

1. THESE PLANS ARE FOR REPAIR OF MULTIPLE LOCATIONS OF CULVERT REPAIRS AT CAMP BLANDING. THESE PLANS MAY BE USED AT DIFFERENT LOCATION SUBJECT TO THE APPROVAL OF THE CAMP BLANDING PROJECT ADMINISTRATOR TO DEVELOP SITE SPECIFIC REQUIREMENTS TO ALLOW USE OF THESE PLANS.
2. THESE PLANS ARE REUSE FOR CULVERT REPLACEMENT FROM ROUND PIPE TO BOX CULVERTS PER DOT INDEX NOT TO INCREASE TOTAL SQUARE FOOTAGE OF DRAINAGE.

DRAWING ISSUE		
1	3/2/20	BID ISSUE
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CONSTRUCTION DETAILS

CULVERT REPAIR - EAST BAY ROAD
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