

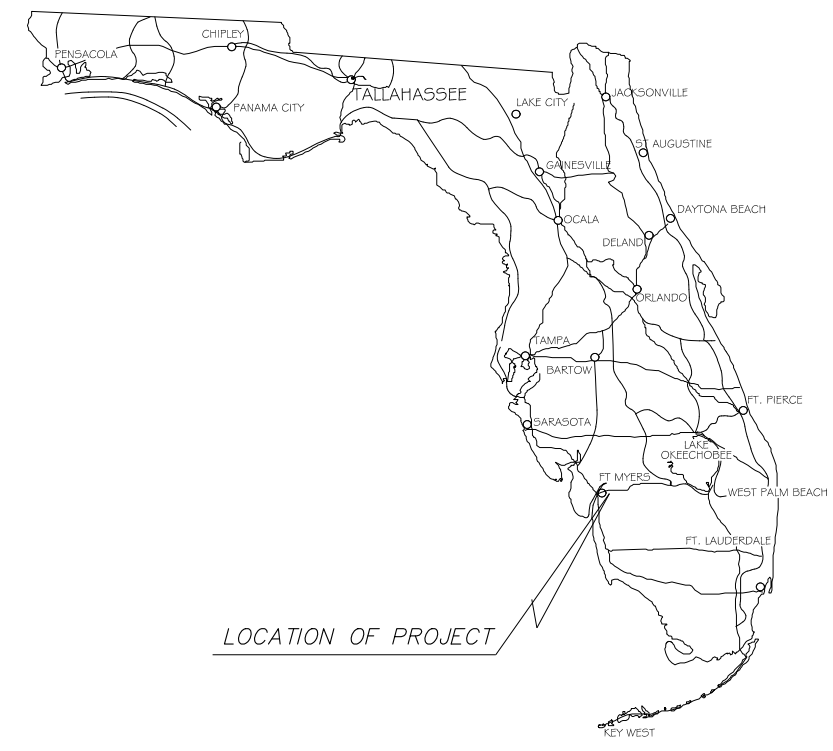
NO.	REVISIONS DESCRIPTION	DATE

DATE: OCTOBER 22, 2024  
 PROJECT NO. 20236120-001  
 FILE NO. 28-43-26E  
 SCALE: AS SHOWN

Construction Plans  
 Cover  
 SHEET NUMBER

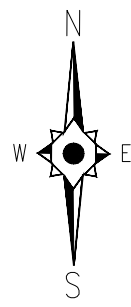
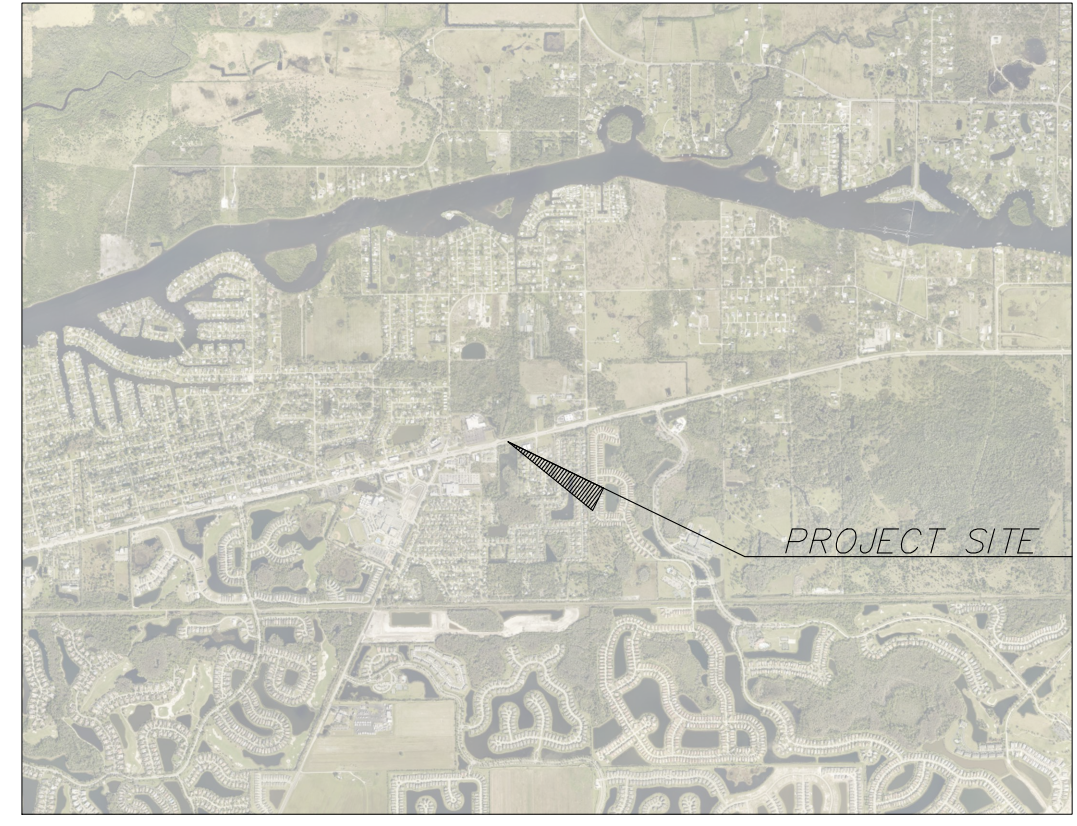
# CONSTRUCTION PLANS SR-80 - BUCKINGHAM WATERMAIN RELOCATION

FOR  
**LEE COUNTY UTILITIES**  
 LOCATED IN  
 SECTION 28; TOWNSHIP 43 SOUTH; RANGE 26E EAST  
**LEE COUNTY, FLORIDA**  
 OCTOBER 22, 2024



UTILITY CONTACT INFORMATION		
COMCAST CABLE 2601 SW 145TH AVENUE MIRAMAR, FL. 33207	754-221-1254	LEONARD MAXWELL-NEUBOLD
CROWN CASTLE FIBER 1601 NW 136TH AVENUE SUITE A-200 SUNRISE, FL. 33323	786-610-7073	DANNY HASKETT
LEE COUNTY SIGNAL 5650 ENTERPRISE PARKWAY FORT MYERS, FL. 33905	239-533-9500	MICHAEL PADGETT
LEE COUNTY UTILITIES 1500 MONROE ST, 3RD FLOOR FORT MYERS, FL. 33901	239-822-1437	JUSTIN CHILDRESS
FLORIDA POWER AND LIGHT	386-586-6403	JOEL BRAY
TECO PEOPLES GAS 8416 PALM RIVER ROAD TAMPA, FL. 33619	813-275-3783	JOAN DOMNING
CENTURYLINK 2820 CARGO STREET BUILDING A FORT MYERS FL. 33916	239-336-2003	CRAIG CLARK

Sheet List Table	
Sheet Number	Sheet Title
01	Cover
02	Notes & Legends
03	Keymap
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04	Sta 557+00 to 561+50
05	Standard Details 1



**LOCATION MAP**  
 N.T.S.

For Information Regarding  
 This Project, Contact:  
**DAVID BRICE TROUTEAUD, PE**

DAVID BRICE TROUTEAUD, PE  
 FL License No. 69783

**DESIGN CONSULTANT**

**JOHNSON ENGINEERING**

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 P.O. BOX 1550  
 FORT MYERS, FLORIDA 33902-1550  
 PHONE (239) 334-0046  
 E.B. #642 & L.B. #642

ABBREVIATIONS

AC	ACRE
ALT	ALTERNATE
APPROX.	APPROXIMATE
ASB	ASBESTOS
BM	BENCH MARK
BLDG	BUILDING
BOT	BOTTOM
CB	CATCH BASIN
CF	CUBIC FEET
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
CIP	CAST IRON PIPE
CMP	CONSTRUCTION JOINT
CO	CORRUGATED METAL PIPE
CO	CLEANOUT
CV	CHECK VALVE
CF	CUBIC FOOT
CY	CUBIC YARD
¢	CENTER LINE
¢	CAULKING
CLF	CHAIN LINK FENCE
COL	COLUMN, COLOR
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CTRS	CENTERS
CU	COPPER
CU, IN.	CUBIC INCH
DIA, Ø	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIST.	DISTANCE
DIP	DUCTILE IRON PIPE
DE	DRAINAGE EASEMENT
DWG	DRAWING
E	EAST
EL/ELEV	ELEVATION
EQUIP	EQUIPMENT
ERCP	REINFORCED CONCRETE PIPE
ESMT	EASEMENT
EX	EXISTING
FF	FINISHED FLOOR
FFF	FINISHED FLOOR ELEVATION
FM	FORCE MAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FIN	FINISH
FRP	FIBERGLASS REINFORCED PLASTIC
FT	FEET
G	NATURAL GAS
GC	GENERAL CONTRACTOR
GI	GALVANIZED IRON
GPM	GALLONS PER MINUTE
GV	GATE VALVE
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GR	GRADE
HOPE	HIGH DENSITY POLYETHYLENE
HOR	HORIZONTAL
HYD	HYDRANT
ID	INSIDE DIAMETER
INV	INVERT
IRR	IRRIGATION
LAE	LAKE ACCESS EASEMENT
LF	LINEAL FEET
LME	LAKE MAINTENANCE EASEMENT
LMT	LAKE MAINTENANCE TRACT
MGD	MILLION GALLONS PER DAY
MH	MANHOLE
MJ	MECHANICAL JOINT
MAX	MAXIMUM
MECH	MECHANICAL
MES	MITERED END SECTION
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
N	NORTH
NE	NORTHEAST
NW	NORTHWEST
NPW	NON POTABLE WATER
NTS	NOT TO SCALE
NUM/#	NUMBER
NOM	NOMINAL
NG	NATURAL GAS
OC	ON CENTERS
OCEW	ON CENTER EACH WAY
OD	OUTSIDE DIAMETER
PCF	POUNDS PER CUBIC FOOT
PSF	POUNDS PER SQUARE FOOT
PV	PLUG VALVE
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
POLY, PE	POLYETHYLENE
PAVT	PAVEMENT
PC	POINT OF CURVATURE
PGL	PROPOSED GRADE LINE
¢	PROPERTY LINE
PLBG	PLUMBING
PLWD	PLYWOOD
PW	POTABLE WATER
PT	POINT OF TANGENCY
PUE	PUBLIC UTILITY EASEMENT
PVI	POINT OF VERTICAL INTERSECTION
QUAN	QUANTITY
R	RADIUS
RD	ROAD
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
ROW	RIGHT OF WAY
RU	REUSE LINE
R/W	RIGHT OF WAY
S	SOUTH
SE	SOUTHEAST
SW	SOUTHWEST
SS	SANITARY SEWER
SAN	SANITARY
SCH	SCHEDULE
SECT	SECTION
SEW	SEWER
SH	SHEET
SPEC	SPECIFICATION
SO	SQUARE
ST	STREET
STA	STATION
STL	STEEL
STD	STANDARD
SUR	SURFACE
SYM	SYMMETRICAL
TOE	TOE OF SLOPE
TOB	TOP OF BANK
THK	THICK
TEL	TELEPHONE
TEMP	TEMPERATURE
TRANS	TRANSFORMER
TYP	TYPICAL
UE	UTILITY EASEMENT
VERT	VERTICAL
W	WATER
WM	WATER MAIN
W/	WITH
W/O	WITHOUT
WD	WOOD
WT	WEIGHT
WV	WATER VALVE
WH	WALL HYDRANT

UTILITY LINETYPES

	EXISTING	PROPOSED
WATER MAIN	---	WM
WATER MAIN WITH SIZE	--- EX 8" WM ---	PR, 8" WM
WATER SERVICE	---	---
FORCE MAIN	---	FM
FORCE MAIN WITH SIZE	--- EX 8" FM ---	PR, 8" FM
IRRIGATION MAIN	---	IRR
IRRIGATION MAIN WITH SIZE	--- EX 8" IRR ---	PR, 8" IRR
REUSE MAIN	---	RU
REUSE MAIN WITH SIZE	--- EX 8" RU ---	PR, 8" RU
IQ MAIN	---	IQ
IQ MAIN WITH SIZE	--- EX 8" IQ ---	PR, 8" IQ
RAW WATER MAIN	---	RW
RAW WATER MAIN WITH SIZE	--- EX 8" RW ---	PR, 8" RW
SANITARY SEWER	---	SS
SANITARY SEWER WITH SIZE	--- EX 8" SS ---	PR, 8" SS
CABLE TELEVISION	---	TV
CLOSED CIRCUIT TELEVISION	---	CCTV
MISC. COMMUNICATION	---	COMM
ELECTRIC	---	ELEC
OVERHEAD ELECTRIC	---	UG-ELEC
UNDERGROUND ELECTRIC	---	UG-E
GAS MAIN	---	GAS
GAS MAIN WITH SIZE	--- EX 8" GAS ---	---
FIRE MAIN	---	FIRE
DRAINAGE	---	SD
DRAINAGE WITH SIZE	--- EX 8" DR ---	---
STORM WATER	---	STM
TELEPHONE	---	TEL
UNDERGROUND TELEPHONE	---	UGT

SYMBOLS

	GATE VALVE
	TEE ASSEMBLY
	REDUCER
	BLOW OFF
	FIRE HYDRANT
	FIRE HYDRANT ASSEMBLY W/ GATE VALVE
	MITERED END SECTION
	MANHOLE W/ NUMBER
	PLUG VALVE
	AIR RELEASE VALVE
	11.25' BEND
	22.5' BEND
	45' BEND
	90' BEND
	VERTICAL DEFLECTION
	WYE
	WATER SERVICE (DOUBLE)
	WATER SERVICE (SINGLE)
	IRRIGATION SERVICE (DOUBLE)
	IRRIGATION SERVICE (SINGLE)
	SEWER SERVICE (DOUBLE)
	SEWER SERVICE (SINGLE)
	HEADWALL
	DRAINAGE INLET (SEE PLAN FOR TYPES)
	THROAT INLET
	FLARED END SECTION

**RESTORATION LEGEND**

ASPHALT DRIVE	ASPH. SIDEWALK
CONCRETE DRIVE PAINTED OR STAMPED	BRICK SIDEWALK
CONCRETE DRIVE	CONC. SIDEWALK
BRICK DRIVE	ROADWAY
GRAVEL/DIRT DRIVE	ROADWAY TRENCH



NOTICE TO ALL CONTRACTORS  
IT'S THE LAW IN FLORIDA  
2 BUSINESS DAYS BEFORE YOU DIG  
CALL SUNSHINE 1-800-432-4770

STATE, COUNTIES & CITIES ARE "NOT" PART OF THE ONE CALL SYSTEM. THEY MUST BE CALLED INDIVIDUALLY.

STATE OF FLORIDA DOT  
ALL INTERSTATE RIGHT-OF-WAY  
HIGHMAST LIGHTING  
7-DAY NOTICE REQUIRED  
239-656-7811  
239-656-7742 FAX

PRINTING AND PLOTTING NOTE:

PRINTING FULL SIZE OR 22"x34" PLANS:

- 22"x34" PLANS ARE MEANT TO BE PLOTTED AT 20 SCALE.
- (SEE INDIVIDUAL SCALE BARS ON EACH SHEET FOR DEVIATIONS)
- WHEN PRINTING FULL SIZE PLANS (22"x34") MAKE SURE THE PROPER SIZE PAPER IS USED, FAILURE TO DO SO WILL RESULT IN PLANS THAT ARE NOT TO SCALE.
- WHEN PRINTING 22"x34" PDF'S FROM ADOBE SELECT "ACTUAL SIZE" & "CHOOSE PAPER SOURCE BY PDF PAGE SIZE"

PRINTING 1/2 SIZE OR 11"x17" PLANS:

- 11"x17" PLANS ARE MEANT TO BE PLOTTED AT 40 SCALE.
- (SEE INDIVIDUAL SCALE BARS ON EACH SHEET FOR DEVIATIONS)
- WHEN PRINTING 1/2 SIZE PLANS (11"x17") MAKE SURE THE PROPER SIZE PAPER IS USED, FAILURE TO DO SO WILL RESULT IN PLANS THAT ARE NOT TO SCALE.
- WHEN PRINTING 11"x17" PDF'S FROM ADOBE SELECT "ACTUAL SIZE" & "CHOOSE PAPER SOURCE BY PDF PAGE SIZE"

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF LEE COUNTY UTILITIES. THE MINIMUM COVER FOR ALL PROPOSED UTILITIES SHALL BE 36" UNLESS OTHERWISE INDICATED BY THE CONSTRUCTION PLANS.
2. CONTRACTOR SHALL NOT EXCEED 75% OF THE MANUFACTURERS RECOMMENDED MAXIMUM DEFLECTION WHEN DEFLECTING PIPE. ENGINEER WILL DETERMINE MAXIMUM DEFLECTION AFTER PIPE MANUFACTURER IS SELECTED.
3. THE CONTRACTOR SHALL KEEP A RECORD OF ALL CHANGES AND MAINTAIN AN AS-BUILT PLAN. PRIOR TO FINAL ACCEPTANCE. THIS PLAN WILL BE FURNISHED TO THE ENGINEER. THE CONTRACTOR SHALL ALSO FURNISH THE ENGINEER WITH A STATEMENT THAT THE AS-BUILT PLAN REPRESENTS ALL CHANGES MADE AND THAT THE LOCATION OF FORCEMAINS SHOWN ARE WITHIN 2'.
4. CONTRACTOR TO MAINTAIN EXISTING TRAFFIC/ACCESS, EXISTING DRAINAGE & EXISTING UTILITIES DURING CONSTRUCTION.
5. ALL FINAL FITTING AND VALVE LOCATIONS TO BE APPROVED IN THE FIELD BY THE OWNER/ENGINEER.
6. THE LOCATION OF EXISTING UTILITIES HAS BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. THE INFORMATION IS NOT GUARANTEED. THEREFORE THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES IN THE FIELD PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.
7. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN THE AREA 48 HOURS MINIMUM PRIOR TO START OF CONSTRUCTION, AND SHALL HAVE ALL SERVICE LINES (UTS, FPL, WATER, CABLE AT&T, SANITARY SEWER, IRRIGATION, FORCE MAIN & ANY OTHERS) LOCATED AND FLAGGED PRIOR TO ANY EXCAVATION.
8. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL UTILITY LINES AND SERVICES DAMAGED DURING CONSTRUCTION, INCLUDING IRRIGATION LINES AND SERVICES. THE APPROPRIATE UTILITY SHALL BE NOTIFIED OF ALL DAMAGED LINES PRIOR TO REPAIR. ALL NECESSARY REPAIRS SHALL BE PERFORMED IMMEDIATELY UPON DAMAGE OF LINE.
9. ALL DRIVEWAYS, LANDSCAPING, SIGNS, GRASS, FENCING, ETC. SHALL BE RESTORED TO A CONDITION EQUIVALENT TO PRECONSTRUCTION CONDITION UNLESS OTHERWISE APPROVED BY THE ENGINEER AND OWNER.
10. ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
11. THE CONTRACTOR IS REQUIRED TO OBTAIN WRITTEN APPROVAL FROM THE ENGINEER FOR ANY DEVIATIONS FROM THE PLANS AND/OR SPECIFICATIONS.
12. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY REQUIRED PLAN DEVIATIONS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND USAGE OF THE EXISTING STREETS ADJACENT TO THE PROJECT AREA. ALL TRAFFIC MAINTENANCE CONTROL SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS, INDEX 600 SERIES. CONTRACTOR SHALL SUBMIT MAINTENANCE OF TRAFFIC PLAN TO OWNER/ENGINEER PRIOR TO CONSTRUCTION.
14. ALL UTILITY CONNECTIONS SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE AGENCY HAVING JURISDICTION OF EACH INDIVIDUAL UTILITY LINE.
15. THE UNDERGROUND CONTRACTOR SHALL MINIMIZE THE WORK AREA AND WIDTH OF TRENCHES TO AVOID DISTURBANCES OF NATURAL VEGETATION. SPOIL FROM TRENCHES SHALL BE PLACED ONLY ON PREVIOUSLY CLEARED AREAS, EXISTING RIGHT-OF-WAY OR APPROVED EASEMENT. THE CONTRACTOR SHALL NOT REMOVE OR DISTURB ANY TREES OR SHRUBS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
16. THE 36" MINIMUM COVER REQUIREMENT FOR THE PROPOSED WATER MAIN SHALL BE MEASURED FROM FINISHED GRADES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE MINIMUM COVER REGARDLESS OF EXISTING GRADE PERIODIC CHECKS (MIN. EVERY 100 FT.) FOR MINIMUM COVER SHALL BE MADE BY THE CONTRACTOR AND RECORDED ON THE RECORDS DRAWINGS.
17. ALL FITTINGS SHALL BE RESTRAINED WITH MEGALUG OR APPROVED EQUAL.
18. ALL IN LINE VALVES SHALL BE MAIN SIZE MECHANICAL JOINT AND RESTRAINED WITH MOLDED FLANGE ADAPTOR WITH STEEL RETAINING RING AS SUPPLIED BY PIPE MANUFACTURER.
19. THE CONTRACTOR SHALL NOTIFY RESIDENCES AND BUSINESS AT LEAST 48 HOURS IN ADVANCE OF ANY DISRUPTION IN SERVICE, INCLUDING DRIVEWAY CUTS.
20. WATER MAINS SHALL BE SUBJECT TO FLUSHING AND BACTERIOLOGICAL SAMPLING.
21. CONTRACTOR IS ADVISED TO VISIT CONSTRUCTION SITE PRIOR TO BIDDING PROJECT. BID IS FINAL AND ACKNOWLEDGES THAT CONTRACTOR IS FAMILIAR WITH EXISTING SITE CONDITIONS.
22. RESTRAINING OF PIPELINE SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS. NO THRUST BLOCKS SHALL BE ALLOWED, UNLESS OTHERWISE SPECIFIED.
23. WHEN A CONFLICT ARISES BETWEEN INVERT ELEVATIONS SHOWN IN PLAN AND PROFILE VIEWS, PROFILE ELEVATIONS SHALL TAKE PRECEDENT.
24. CONTRACTORS SHALL PROVIDE COMPLETE LIST OF 24 HR EMERGENCY PHONE NUMBERS.

LEE COUNTY DOT NOTES:

THIS PROJECT IS LOCATED WITHIN FDOT ROW. THE FOLLOWING NOTES WILL APPLY TO WORK WITHIN COUNTY ROW IN ADDITION TO THE REQUIREMENTS OF THE LCDOT ROW PERMIT.

1. A COPY OF THE APPROVED PERMIT, PLANS, AND ATTACHMENTS MUST BE ON THE JOB SITE WHILE THE WORK IS BEING PERFORMED.
2. THE PERMITTEE IS REQUIRED TO OBTAIN ALL APPLICABLE LOCAL, STATE, AND FEDERAL PERMITS.
3. CALL LEE COUNTY DOT (LCDOT) FOR ALL FINAL INSPECTIONS (239) 533-8997 (AUTOMATED LINE).
4. DO NOT OPEN CUT, OR DISTURB ANY LEE COUNTY ROADS WITHOUT PRIOR APPROVAL.
5. IF AN OPEN CUT IS GRANTED, THE PERMITTEE MUST USE FLOWABLE FILL IN THE REPAIR WITH A 24" MINIMUM THICKNESS. APPLY 2" OF TYPE S (S-I OR S-III, DEPENDING ON ROAD CLASSIFICATION) OVER FLOWABLE FILL. A 1" ASPHALT OVERLAY OF S-III IS REQUIRED 25 LF IN EACH DIRECTION OF THE OPEN CUT; IT SHOULD BE FEATHERED OR AS DIRECTED BY LCDOT REPRESENTATIVE.
6. ALL RESTORATION WORK IS TO BE IN-KIND. ANY DISTURBED GRASS IS TO BE RE-SODDED, OR AS DIRECTED BY LCDOT REPRESENTATIVE.
7. MAINTENANCE OF TRAFFIC (MOT) PROCEDURES:
  - a. NO LANE CLOSURES ON LCDOT MAINTAINED ROADS WITHOUT PRIOR APPROVAL FROM LCDOT.
  - b. MOT PLANS SHOULD REFERENCE THE MOST CURRENT FDOT INDEX 600 SERIES.
  - c. MOT PROPOSALS FOR A LANE CLOSURE MUST BE SUBMITTED AT LEAST 48 HOURS IN ADVANCE OF THE WORK TO LEE COUNTY DOT TRAFFIC SECTION FOR REVIEW AND APPROVAL - FAX (239) 533-9340.
  - d. IF A LANE CLOSURE IS GRANTED; TRAFFIC MAY NOT BE CLOSED TO TRAFFIC BEFORE 9:00 A.M., AND THE CLOSED LANE MUST BE RE-OPENED TO TRAFFIC BY 4:00 P.M.
8. PEDESTRIAN ACCESS ON LEE COUNTY SIDEWALKS AND BIKE PATHS MUST BE MAINTAINED AT ALL TIMES WITH A SAFE, PASSABLE SURFACE. IF A SIDEWALK OR BIKE PATH MUST BE CLOSED, SIGN AGE IN ADVANCE OF THE CLOSED PORTION OF SIDEWALK / BIKE PATH MUST BE POSTED FOR PEDESTRIANS TO SELECT AN ALTERNATIVE ROUTE.
9. NO CONSTRUCTION EQUIPMENT OR MATERIALS SHALL BE ON LEE COUNTY ROADS WITHOUT A PROPER MOT IN PLACE.
10. CONTRACTORS ARE RESPONSIBLE FOR ANY DEBRIS / MATERIAL THAT ENTERS A LCDOT ROADWAY AS RESULT OF WORK DONE ON-SITE, AND THEY MUST PERIODICALLY BROOM THE ROADWAY, OR TAKE OTHER APPROPRIATE MEASURES TO KEEP THE ROADWAYS SAFE AND CLEAR OF DEBRIS AND/OR MATERIALS.
11. USE ALL REQUIRED TURBIDITY CONTROL MEASURES THAT ARE NECESSARY TO PROTECT THE WORK SITE AND SURROUNDING PROPERTIES IN ACCORDANCE WITH ALL APPLICABLE GOVERNMENT AGENCY REGULATIONS.
12. ANY AND ALL ABANDONED WATER/SEWER LINES IN LEE COUNTY RIGHT OF WAY WILL BE FILLED WITH GROUT OR REMOVED.
13. ALL ASPHALT, DIRT, AND GRAVEL ROADS TO BE REPLACE IN-KIND. ALL CONCRETE DRIVEWAYS SHALL BE RESTORED FROM THE EDGE OF PAVEMENT BACK TO THE FIRST JOINT. DECORATIVE DRIVEWAYS MUST BE REPLACED IN-KIND.
14. AS A CONDITION OF THE DEVELOPMENT ORDER AND RIGHT-OF-WAY PERMIT, THE APPLICANT MUST SUBMIT A COMPLETE AS-BUILT SURVEY OF THE NEIGHBORHOOD FOLLOWING INSTALLATION OF THE PROPOSED WATER MAINS AND APPURTENANCES. PRIOR TO ISSUANCE OF A CERTIFICATE OF COMPLIANCE FOR THE DEVELOPMENT ORDER OR RELEASE OF THE RIGHT-OF-WAY PERMIT BOND THE SUBMITTED AS-BUILT SURVEY MUST CONFIRM EXACT RESTORATION TO PRE-CONSTRUCTION ELEVATIONS.

C:\2023\20236120-001\Utilities\Drawings\20236120-001\_PP.dwg (Notes & Legends) [pm, Oct. 22, 2024, 1:24pm]

**JOHNSON ENGINEERING**  
— An Apex Company —  
JOHNSON ENGINEERING, LLC.  
2122 JOHNSON STREET  
FORT MYERS, FLORIDA 33901  
PHONE: (239) 334-0046  
E.R. #642 & L.B. #642

DAVID BRICE TROUTEAU, PE  
FL License No. 69783

Lee County Utilities

SR-80 - Buckingham  
Watermain Relocation  
Lee County, Florida

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DATE:	OCTOBER 22, 2024
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Construction Plans

Notes & Legends

SHEET NUMBER

02



Lee County Utilities

SR-80 - Buckingham  
Watermain Relocation  
Lee County, Florida

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Construction Plans  
Keymap

SHEET NUMBER

03



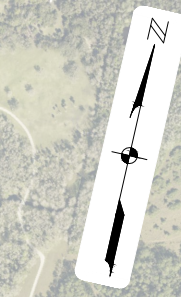
OLD OLGA RD

S OLGA DR

SHEET 04

PALM BEACH BLVD (SR-80)

BUCKINGHAM RD



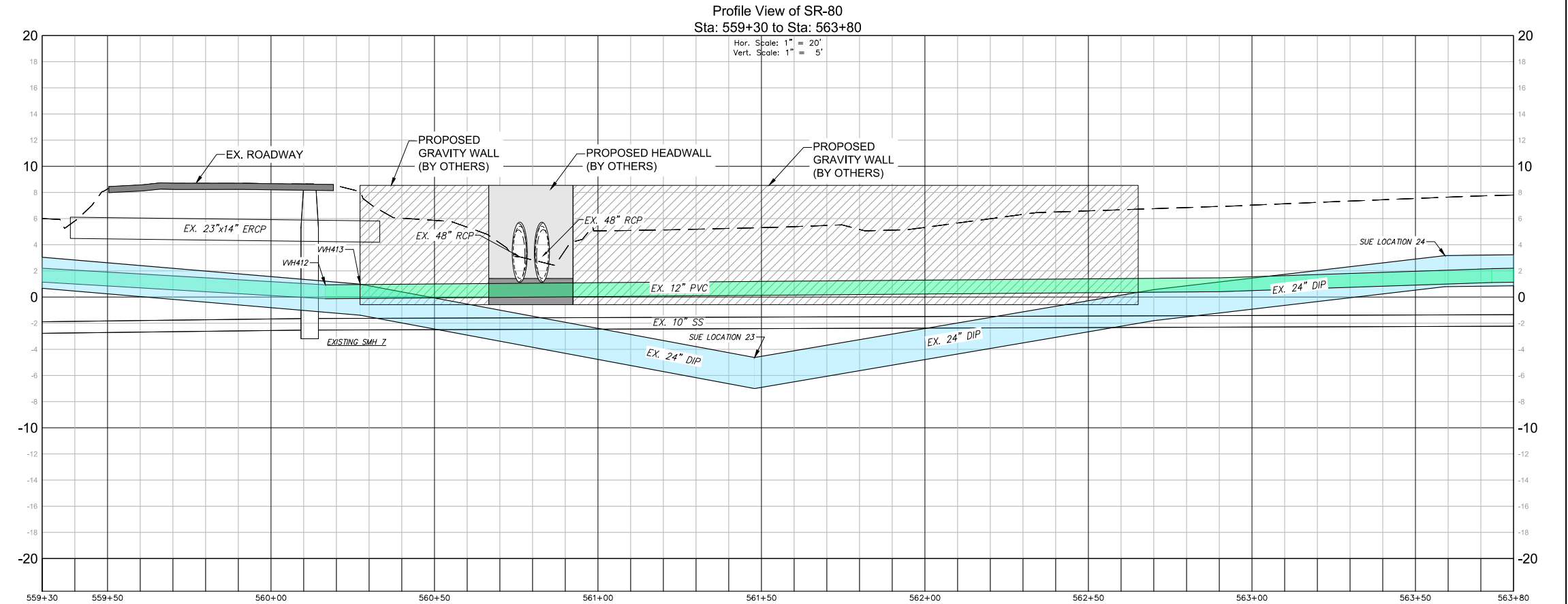
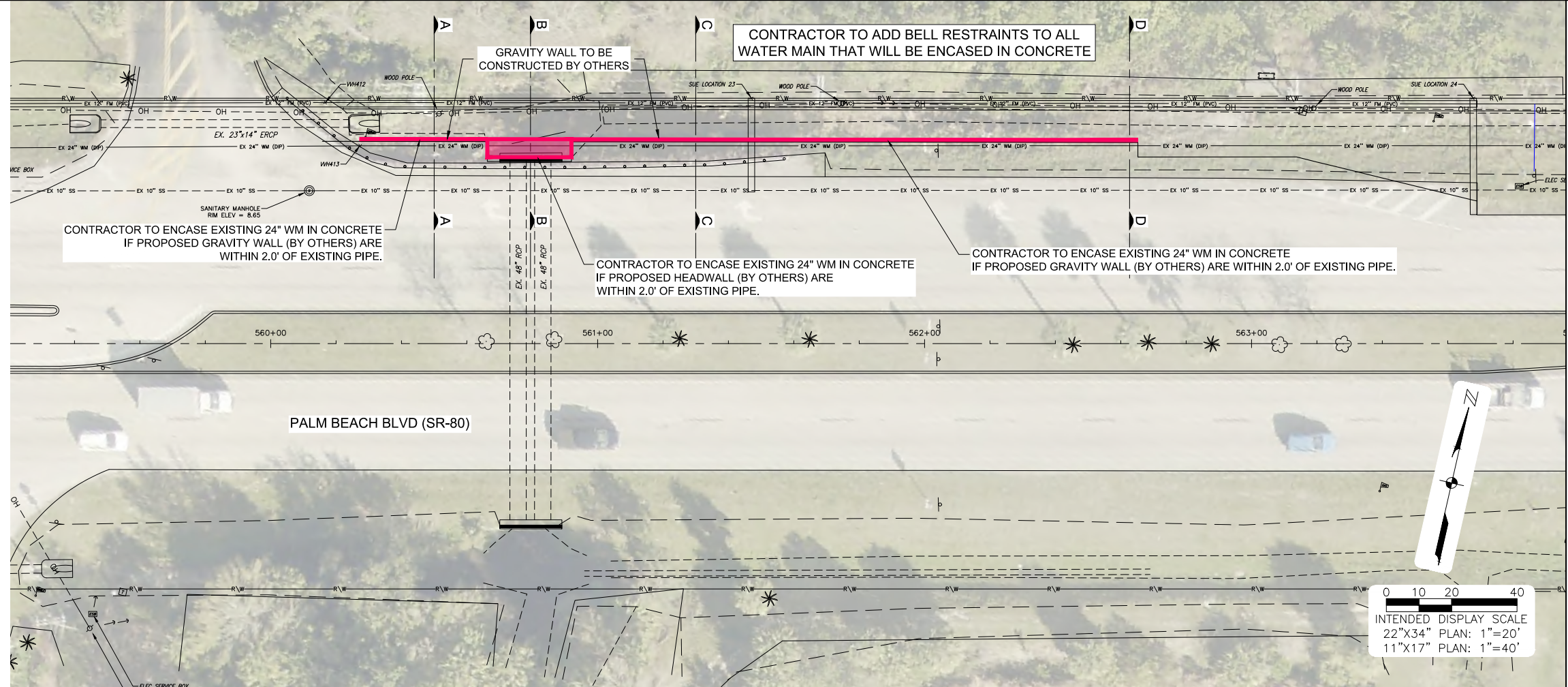
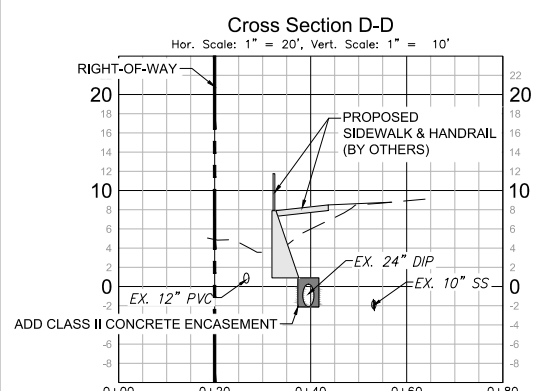
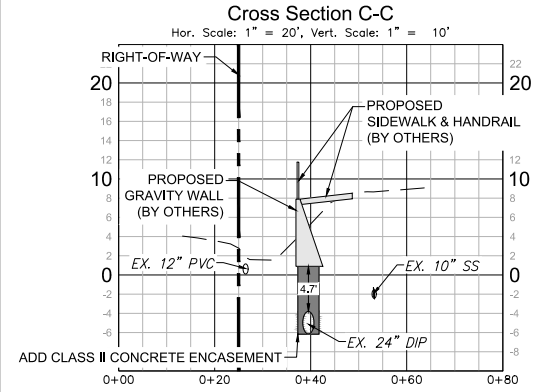
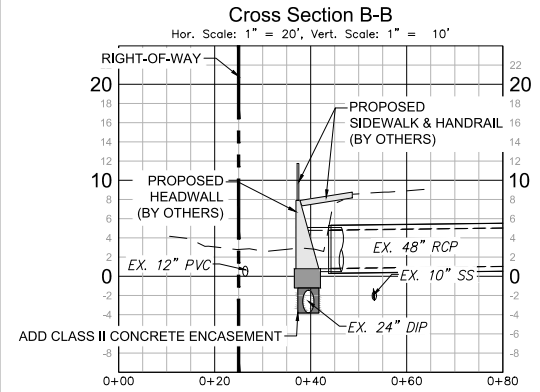
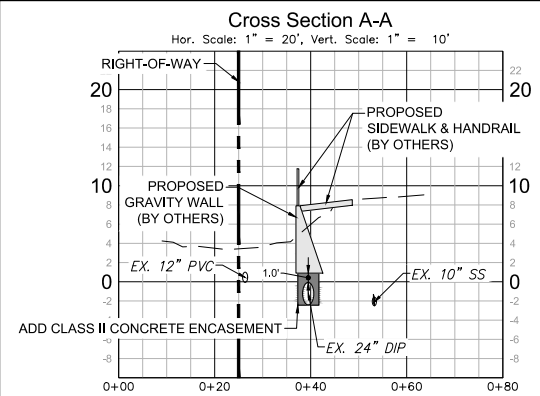
0 250 500 1000  
INTENDED DISPLAY SCALE  
22"X34" PLAN: 1"=500'  
11"X17" PLAN: 1"=1,000'



DAVID BRICE TROUTEAUX, PE  
 FL License No. 69783

Lee County Utilities

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Construction Plans  
 Sta 557+00 to 561+50

SHEET NUMBER  
**04**

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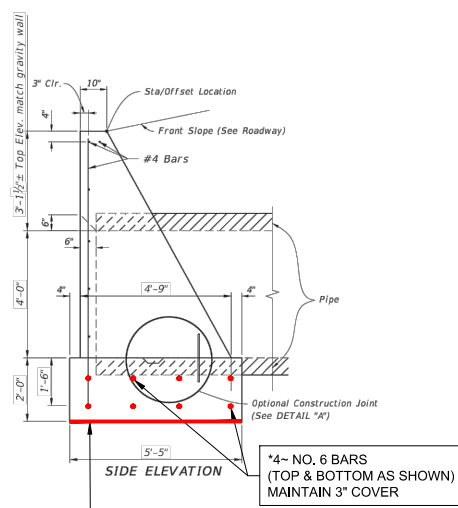
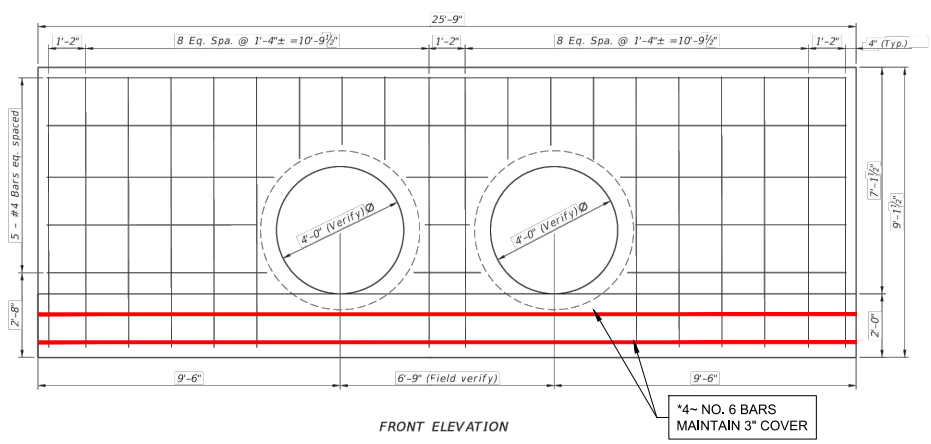
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Construction Plans  
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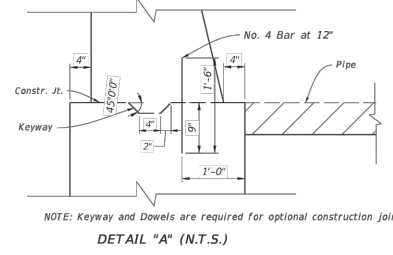
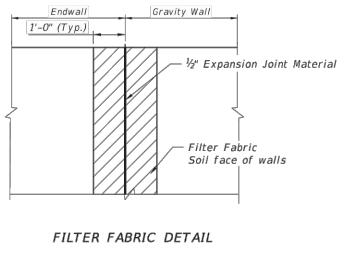
SHEET NUMBER

05



- GENERAL NOTES:
1. Use Class II concrete.
  2. Reinforcing steel shall be Grade 40 or 60.
  3. Field cut bars that conflict with pipes and maintain 2" clear cover.
  4. Endwalls may be cast in place or precast concrete. Additional reinforcement necessary for handling precast units will be determined by the contractor or the supplier.
  5. Chamfer all exposed edges and corners to 1/4".
  6. Construct front slope and ditch transitions in accordance with roadway plans.
  7. Provide 1/2" expansion joint material between the pipe end wall and the adjacent gravity walls. Cover joint opening on the soil face with a 2'-0" wide strip of filter fabric. Cost of filter fabric and expansion joint material shall be incidental to the cost of the concrete.
  8. Quantities shown are for estimating purposes only.

Description	Quantities
Class II Concrete, CY	26.9
Steel, LB	218



\* COMMENTS & REVISIONS PER FDOT REVIEW

SHEET TITLE:  
**HEADWALL DETAILS**

PROJECT NAME:  
**SR 80 FROM NORTH OF BUCKINGHAM ROAD TO HENDRY COUNTY LINE**

