

CONTRACT PLANS COMPONENTS

ROADWAY PLANS
SIGNING & PAVEMENT MARKING PLANS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

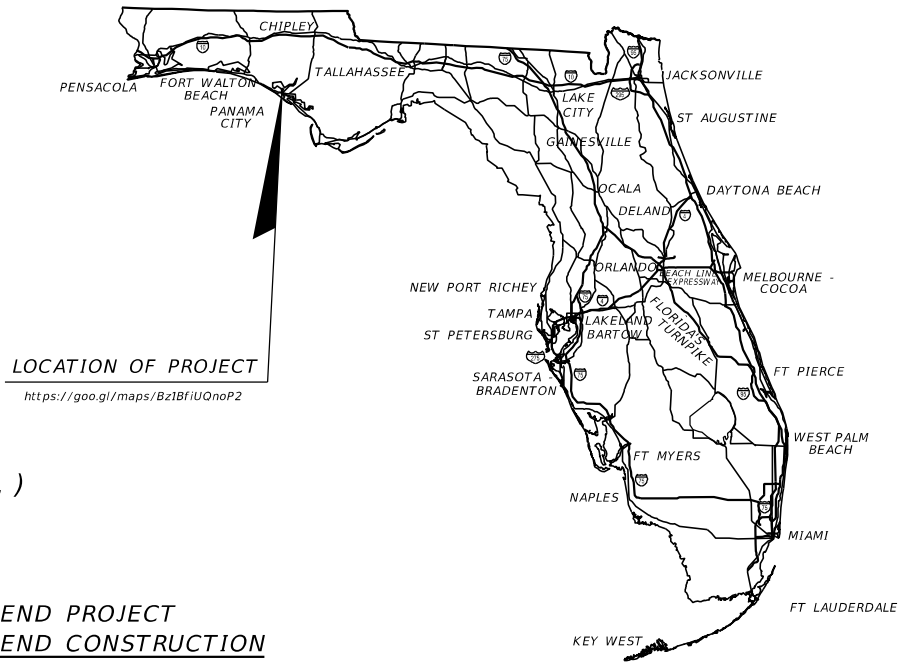
FINANCIAL PROJECT ID 441742-2-58-01 & 441742-2-58-02

FEDERAL FUNDS

BAY COUNTY (46590000)

ALF COLEMAN RD.

FROM SR 392A (MIDDLE BEACH RD.) TO SR 30A/US 98 (BACK BEACH RD.)

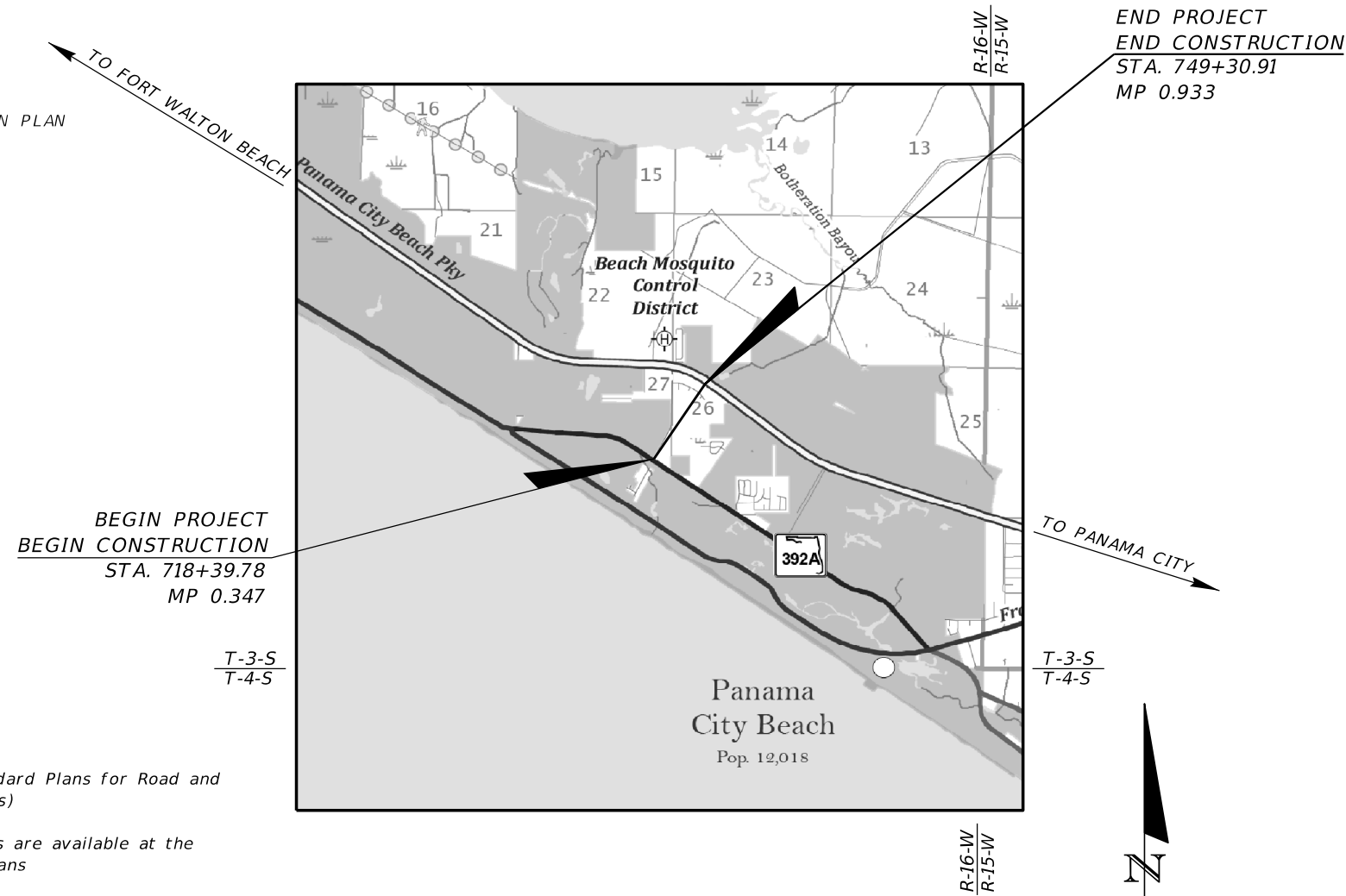


LOCATION OF PROJECT

<https://goo.gl/maps/Bz1BfUOnoP2>

INDEX OF ROADWAY PLANS

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END PROJECT
END CONSTRUCTION
STA. 749+30.91
MP 0.933

BEGIN PROJECT
BEGIN CONSTRUCTION
STA. 718+39.78
MP 0.347

GOVERNING DESIGN STANDARDS:

Florida Department of Transportation, FY2021-2022 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs)

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

APPLICABLE IRs: RDB18-10

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, January 2022 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

ROADWAY PLANS

ENGINEER OF RECORD:

RICKY L. DODD
P.E. NO.: 88526
GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DR.
CHIPLEY, FL 32428
(850) 668-5211

VENDOR NUMBER: F11-2537074
CONTRACT NUMBER: CA054

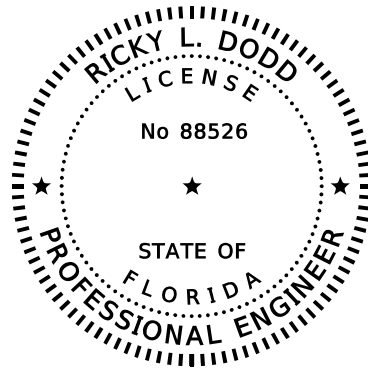
FDOT PROJECT MANAGER:

JIMMY SMITH, P.E.
(850) 372-4126

| CONSTRUCTION CONTRACT NO. | FISCAL YEAR | SHEET NO. |
|---------------------------|-------------|-----------|
| N/A | 20 | 1 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY



ON THE DATE ADJACENT TO THE SEAL
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

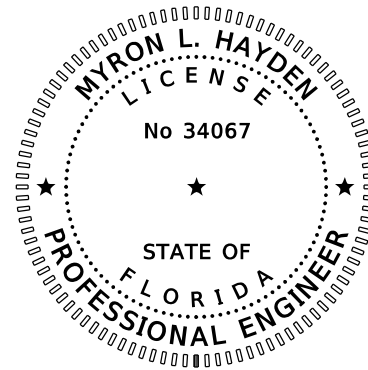
GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DRIVE
CHIPLEY, FLORIDA 32428
RICKY L. DODD, P.E. NO. 88526

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

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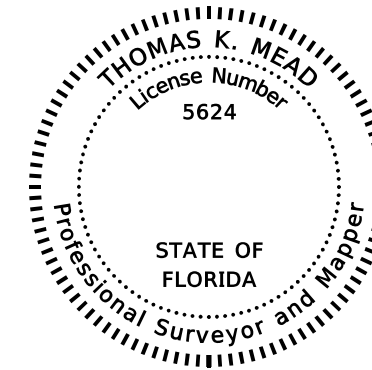
E.G.S, INC.
104 NORTH MAGNOLIA DRIVE
TALLAHASSEE, FLORIDA 32301
MYRON L. HAYDEN, P.E. NO. 34067

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

INDEX OF ROADWAY PLANS

| SHEET NO. | SHEET DESCRIPTION |
|-----------|---------------------|
| 2 | SIGNATURE SHEET |
| 45 - 50 | ROADWAY SOIL SURVEY |

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THOMAS K. MEAD, P.S.M. NO. 5624
SOUTHEASTERN SURVEYING AND MAPPING CORPORATION
1130 HIGHWAY 90
CHIPLEY, FLORIDA 32428

THE ABOVE NAMED PROFESSIONAL SURVEYOR AND MAPPER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 51-17.062, F.A.C.

INDEX OF ROADWAY PLANS

| SHEET NO. | SHEET DESCRIPTION |
|-----------|-------------------------------|
| 2 | SIGNATURE SHEET |
| 126 | SUMMARY OF VERIFIED UTILITIES |

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | SHEET NO. 2 |
|-----------|-------------|------|-------------|--|--|--------|----------------------|--------------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | |
| | | | | | N/A | BAY | 441742-2-58-01 | |

SIGNATURE SHEET

FLORIDA DEPARTMENT OF TRANSPORTATION
PROJECT SUMMARY OF PAY ITEMS
FOR PROJECT: 441742-2-58-01 & 441742-2-58-02

| LEAD PROJECT : 441742-2-58-01 | | COUNTY/SECTION : 46590000 | | | | | |
|---------------------------------------|-----|---------------------------|--|------|-------------|-------------|----------------|
| PROJECT(S) : 44174225801, 44174225802 | | COUNTY : BAY | | | | | |
| 0200 SUMMARY OF ROADWAY | | | | | | | |
| SPC | ALT | ITEM NUMBER | ITEM DESCRIPTION | UNIT | 44174225801 | 44174225802 | QUANTITY TOTAL |
| | | 0101- 1- | MOBILIZATION | LS | 1.000 | 1.000 | 1.000 |
| | | 0102- 1- | MAINTENANCE OF TRAFFIC | (LS) | 1.000 | 1.000 | 1.000 |
| | | 0102- 14- | TRAFFIC CONTROL OFFICER | HR | 0.000 | 24.000 | 24.000 |
| | | 0102- 60- | WORK ZONE SIGN | ED | 4500.000 | 3239.000 | 7739.000 |
| | | 0102- 61- | BUSINESS SIGN | EA | 3.000 | 1.000 | 4.000 |
| | | 0102- 74- 1 | CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD | ED | 1260.000 | 6461.000 | 7721.000 |
| | | 0102- 74- 2 | CHANNELIZING DEVICE, TYPE III, 6' | ED | 1260.000 | 3150.000 | 4410.000 |
| | | 0102- 74- 7 | CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE) | LF | 138.000 | 0.000 | 138.000 |
| | | 0102- 99- | PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY | ED | 360.000 | 762.000 | 1122.000 |
| | | 0102-104- | TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION | ED | 0.000 | 314.000 | 314.000 |
| | | 0102-107- 1 | TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION | ED | 0.000 | 314.000 | 314.000 |
| | | 0104- 10- 3 | SEDIMENT BARRIER | LF | 3871.000 | 65.000 | 3936.000 |
| | | 0104- 11- | FLOATING TURBIDITY BARRIER | LF | 166.000 | 57.000 | 223.000 |
| | | 0104- 18- | INLET PROTECTION SYSTEM | EA | 20.000 | 0.000 | 20.000 |
| | | 0110- 1- 1 | CLEARING & GRUBBING | (LS) | 1.000 | 1.000 | 2.000 |
| | | 0110- 4- 10 | REMOVAL OF EXISTING CONCRETE | SY | 557.000 | 269.000 | 826.000 |
| | | 0120- 1- | REGULAR EXCAVATION | CY | 100.000 | 198.700 | 298.700 |
| | | 0120- 2- 2 | BORROW EXCAVATION, TRUCK MEASURE | CY | 68.600 | 4472.800 | 4541.400 |
| | | 0120- 4- | SUBSOIL EXCAVATION | CY | 0.000 | 442.500 | 442.500 |
| | | 0160- 4- | TYPE B STABILIZATION | SY | 0.000 | 5365.000 | 5365.000 |
| | | 0285-706- | OPTIONAL BASE, BASE GROUP 06 | SY | 0.000 | 4884.000 | 4884.000 |
| | | 0327- 70- 5 | MILLING EXIST ASPH PAVT, 2" AVG DEPTH | SY | 0.000 | 12837.000 | 12837.000 |
| | | 0334- 1- 52 | SP ASPH CONC, TRAFFIC B, PG 76-22 | TN | 0.000 | 4790.200 | 4790.200 |
| | | 0337- 7- 80 | ASPH CONC, FRICTION, FC 9.5, PG 76-22 | TN | 0.000 | 893.200 | 893.200 |
| | | 0400- 0- 11 | CONCRETE CLASS NS, GRAVITY WALL (SCHEME 11) | CY | 0.000 | 335.400 | 335.400 |
| | | 0400- 1- 2 | CONCRETE CLASS I, ENDWALLS | CY | 0.000 | 33.000 | 33.000 |
| | | 0425- 1-521 | INLETS, DT BOT, TYPE C, <10' | EA | 0.000 | 5.000 | 5.000 |
| | | 0425- 1-551 | INLETS, DT BOT, TYPE E, <10' | EA | 0.000 | 1.000 | 1.000 |
| | | 0425- 1-910 | INLETS, CLOSED FLUME | EA | 20.000 | 0.000 | 20.000 |
| | | 0425- 2- 61 | MANHOLES, P-8, <10' | EA | 1.000 | 2.000 | 3.000 |
| | | 0425- 2- 91 | MANHOLES, J-8, <10' | EA | 0.000 | 2.000 | 2.000 |
| | | 0425- 6- | VALVE BOXES, ADJUST | EA | 0.000 | 5.000 | 5.000 |
| | | 0430-174-118 | PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"SD | LF | 56.000 | 288.000 | 344.000 |
| | | 0430-175-115 | PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15"S/CD | LF | 0.000 | 4.000 | 4.000 |
| | | 0430-175-118 | PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"S/CD | LF | 0.000 | 76.000 | 76.000 |
| | | 0430-175-124 | PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"S/CD | LF | 0.000 | 922.000 | 922.000 |
| | | 0430-175-242 | PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 42" S/CD | LF | 0.000 | 240.000 | 240.000 |
| | | 0430-963- 1 | PVC PIPE FOR BACK OF SIDEWALK, 4" | LF | 20.000 | 0.000 | 20.000 |
| | | 0430-984-125 | MITERED END SECTION, OPTIONAL ROUND, 18" SD | EA | 5.000 | 2.000 | 7.000 |
| | | 0436- 1- 2 | TRENCH DRAIN, SPECIAL | LF | 0.000 | 142.000 | 142.000 |
| | | 0515- 1- 2 | PIPE HANDRAIL - GUIDERAIL, ALUMINUM | LF | 984.000 | 0.000 | 984.000 |
| | | 0520- 1- 10 | CONCRETE CURB & GUTTER, TYPE F | LF | 3217.000 | 2241.000 | 5458.000 |
| | | 0520- 5- 26 | TRAFFIC SEPARATOR | LF | 0.000 | 8.000 | 8.000 |

RICKY L. DODD, P.E.
P.E. LICENSE NUMBER 88526
GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DR.
CHIPLEY, FL 32428

| LEAD PROJECT : 441742-2-58-01 | | COUNTY/SECTION : 46590000 | | | | | |
|--------------------------------------|-----|---------------------------|---|------|-------------|-------------|----------------|
| PROJECT(S) : 44174225801,44174225802 | | COUNTY : BAY | | | | | |
| 0200 SUMMARY OF ROADWAY | | | | | | | |
| SPC | ALT | ITEM NUMBER | ITEM DESCRIPTION | UNIT | 44174225801 | 44174225802 | QUANTITY TOTAL |
| | | 0522- 1- | CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK | SY | 2132.000 | 49.000 | 2181.000 |
| | | 0522- 2- | CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK | SY | 139.000 | 0.000 | 139.000 |
| | | 0527- 2- | DETECTABLE WARNINGS | SF | 297.000 | 0.000 | 297.000 |
| | | 0530- 3- 4 | RIPRAP, BUBBLE, F&I, DITCH LINING | TN | 6.000 | 0.000 | 6.000 |
| | | 0536- 73- | GUARDRAIL REMOVAL | LF | 113.000 | 38.000 | 151.000 |
| | | 0570- 1- 2 | PERFORMANCE TURF, SOD | SY | 1479.000 | 2721.000 | 4200.000 |
| | | 0635- 2- 11 | PULL & SPLICE BOX, F&I, 13"x24" COVER SIZE | EA | 0.000 | 2.000 | 2.000 |
| | | 0710- 11-101 | PAINTED PAVEMENT MARKING, STANDARD, WHITE, SOLID, 6" | GM | 0.000 | 1.267 | 1.267 |
| | | 0710- 11-102 | PAINTED PAVEMENT MARKING, STANDARD, WHITE, SOLID, 8" | GM | 0.000 | 0.153 | 0.153 |
| | | 0710- 11-123 | PAINTED PAVEMENT MARKING, STANDARD, WHITE, SOLID, 12" | LF | 0.000 | 516.000 | 516.000 |
| | | 0710- 11-124 | PAINTED PAVEMENT MARKING, STANDARD, WHITE, SOLID, 18" | LF | 0.000 | 393.000 | 393.000 |
| | | 0710- 11-125 | PAINTED PAVEMENT MARKING, STANDARD, WHITE, SOLID, 24" | LF | 0.000 | 294.000 | 294.000 |
| | | 0710- 11-160 | PAINTED PAVEMENT MARKING, STANDARD, WHITE, MESSAGES | EA | 0.000 | 6.000 | 6.000 |
| | | 0710- 11-170 | PAINTED PAVEMENT MARKING, STANDARD, WHITE, ARROWS | EA | 0.000 | 45.000 | 45.000 |
| | | 0710- 11-201 | PAINTED PAVEMENT MARKING, STANDARD, YELLOW, SOLID, 6" | GM | 0.000 | 3.006 | 3.006 |
| | | 0710- 11-224 | PAINTED PAVEMENT MARKING, STANDARD, YELLOW, SOLID, 18" | LF | 0.000 | 760.000 | 760.000 |
| | | 0999- 25- | INITIAL CONTINGENCY AMOUNT, DO NOT BID | LF | 1.000 N | 1.000 N | 1.000 |
| | | 1050- 16-004 | UTILITY PIPE, REMOVE & DISPOSE, 8-19.9" | LF | 0.000 | 965.000 | 965.000 |
| | | 1050- 18-004 | UTILITY PIPE, PLUG & PLACE OUT OF SERVICE, 8-19.9" | LF | 0.000 | 139.000 | 139.000 |
| | | 1050- 31-201 | UTILITY FITTING FOR PVC PIPE, F&I, CAP/PLUG, 1" | EA | 0.000 | 2.000 | 2.000 |
| | | 1050- 31-206 | UTILITY PIPE-POLY VINYL CHLORIDE, F&I, WATER/SEWER, 6" | LF | 0.000 | 10.000 | 10.000 |
| | | 1050- 31-208 | UTILITY PIPE-POLY VINYL CHLORIDE, F&I, WATER/SEWER, 8" | LF | 0.000 | 249.000 | 249.000 |
| | | 1050- 31-212 | UTILITY PIPE-POLY VINYL CHLORIDE, F&I, WATER/SEWER, 12" | LF | 0.000 | 105.000 | 105.000 |
| | | 1050- 42-202 | UTILITY PIPE-HIGH DENSITY POLYETHYLENE, F&I, WATER/SEWER, 2" | LF | 0.000 | 377.000 | 377.000 |
| | | 1050- 42-212 | UTILITY PIPE-HIGH DENSITY POLYETHYLENE, F&I, WATER/SEWER, 12" | LF | 0.000 | 1000.000 | 1000.000 |
| | | 1055- 31-112 | UTILITY FITTING FOR PVC PIPE, F&I, ELBOW, 12" | LF | 0.000 | 9.000 | 9.000 |
| | | 1055- 31-212 | UTILITY FITTING FOR PVC PIPE, F&I, TEE, 12" | LF | 0.000 | 1.000 | 1.000 |
| | | 1060- 11-222 | UTILITY STRUCTURE, BELOW GROUND, F&I, WATER/SEWER >80 FT3, 6.1 - 12' | EA | 0.000 | 2.000 | 2.000 |
| | | 1060- 11-223 | UTILITY STRUCTURE, BELOW GROUND, F&I, WATER/SEWER, >80 FT3, >12' | EA | 0.000 | 1.000 | 1.000 |
| | | 1060- 16- | UTILITY STRUCTURE, BELOW GROUND, REMOVE & DISPOSE, CONTRACTOR TAKES OWNERSHIP | EA | 0.000 | 1.000 | 1.000 |
| | | 1080- 21-600 | UTILITY FIXTURE, VALVE/METER BOX, REMOVE | EA | 0.000 | 1.000 | 1.000 |
| | | 1080- 23-112 | UTILITY FIXTURE, TAPPING SADDLE/SLEEVE, F&I, 12" | EA | 0.000 | 2.000 | 2.000 |
| | | 1080- 24-106 | UTILITY FIXTURE, VALVE ASSEMBLY, F&I, 6" (GATE VALVE) | EA | 0.000 | 1.000 | 1.000 |
| | | 1080- 24-112 | UTILITY FIXTURE, VALVE ASSEMBLY, F&I, 12" (GATE VALVE) | EA | 0.000 | 2.000 | 2.000 |
| | | 1080- 27-112 | UTILITY FIXTURE, LINE STOP ASSEMBLY, F&I, 12" | EA | 0.000 | 2.000 | 2.000 |
| | | 1644- 113-08 | FIRE HYDRANT, F&I, STANDARD, 2 HOSE, 1 PUMPER, 6" | EA | 0.000 | 1.000 | 1.000 |
| | | 1644- 9-00 | FIRE HYDRANT, REMOVE | EA | 0.000 | 1.000 | 1.000 |

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

| | | |
|--|--------|----------------------|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

SUMMARY OF PAY ITEMS

| |
|-----------|
| SHEET NO. |
| 3 |

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FLORIDA DEPARTMENT OF TRANSPORTATION
 PROJECT SUMMARY OF PAY ITEMS
 FOR PROJECT: 441742-2-58-01 & 441742-2-58-02

LEAD PROJECT : 441742-2-58-01 COUNTY/SECTION : 46590000

PROJECT(S) : 44174225801, 44174225802 COUNTY : BAY

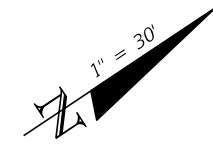
0300 SUMMARY OF SIGNING

| SPC | ALT | ITEM NUMBER | ITEM DESCRIPTION | UNIT | 44174225801 | 44174225802 | QUANTITY TOTAL |
|-----|-----|--------------|---|------|-------------|-------------|----------------|
| | | 0700- 1- 50 | SINGLE POST SIGN, RELOCATE | AS | 7.000 | 4.000 | 11.000 |
| | | 0710- 90- | PAINTED PAVEMENT MARKING, FINAL SURFACE | LS | 0.000 | 1.000 | 1.000 |
| | | 0711- 11-123 | THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT | LF | 887.000 | 0.000 | 887.000 |
| | | 0711- 11-124 | THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS | LF | 0.000 | 149.000 | 149.000 |
| | | 0711- 11-125 | THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK | LF | 0.000 | 158.000 | 158.000 |
| | | 0711- 11-160 | THERMOPLASTIC, STANDARD, WHITE, MESSAGE | EA | 0.000 | 1.000 | 1.000 |
| | | 0711- 11-170 | THERMOPLASTIC, STANDARD, WHITE, ARROW | EA | 0.000 | 22.000 | 22.000 |
| | | 0711- 11-224 | THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" | LF | 0.000 | 438.000 | 438.000 |
| | | 0711- 14-125 | THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK | LF | 136.000 | 0.000 | 136.000 |
| | | 0711- 16-101 | THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6" | GM | 0.000 | 1.267 | 1.267 |
| | | 0711- 16-102 | THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8" | GM | 0.000 | 0.031 | 0.031 |
| | | 0711- 16-201 | THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6" | GM | 0.000 | 1.448 | 1.448 |

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | SUMMARY OF PAY ITEMS | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|----------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | 4 |

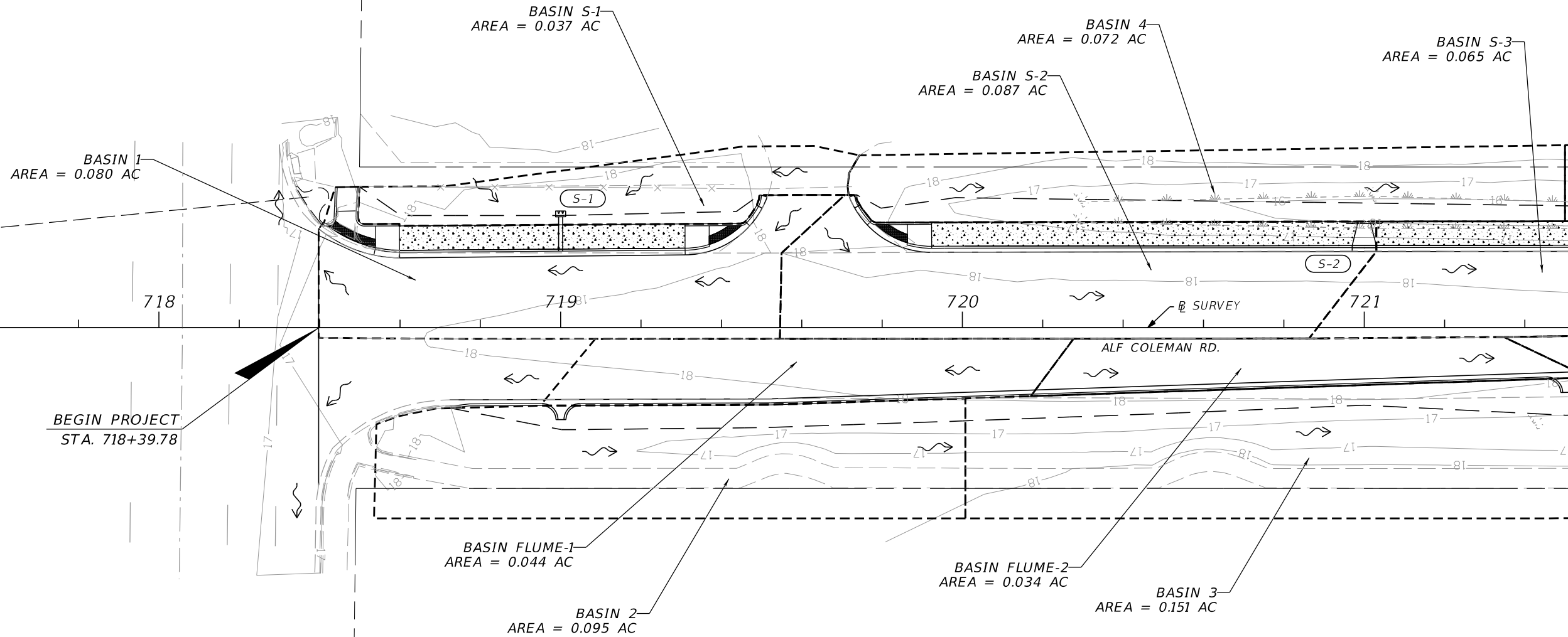
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Note: DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. This sheet is in the plans for documentation and to assist construction personnel with drainage concerns.



717+03.00

721+51.00



BEGIN PROJECT
STA. 718+39.78

BASIN S-1
AREA = 0.037 AC

BASIN 4
AREA = 0.072 AC

BASIN S-3
AREA = 0.065 AC

BASIN 1
AREA = 0.080 AC

BASIN S-2
AREA = 0.087 AC

BASIN FLUME-1
AREA = 0.044 AC

BASIN FLUME-2
AREA = 0.034 AC

BASIN 3
AREA = 0.151 AC

BASIN 2
AREA = 0.095 AC

ALF COLEMAN RD.

LEGEND

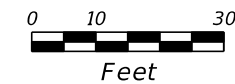
PROPOSED SIDEWALK

DRAINAGE FLOW ARROW

EXISTING WETLAND

LIMITS OF CONSTRUCTION

BASIN BOUNDARY



| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

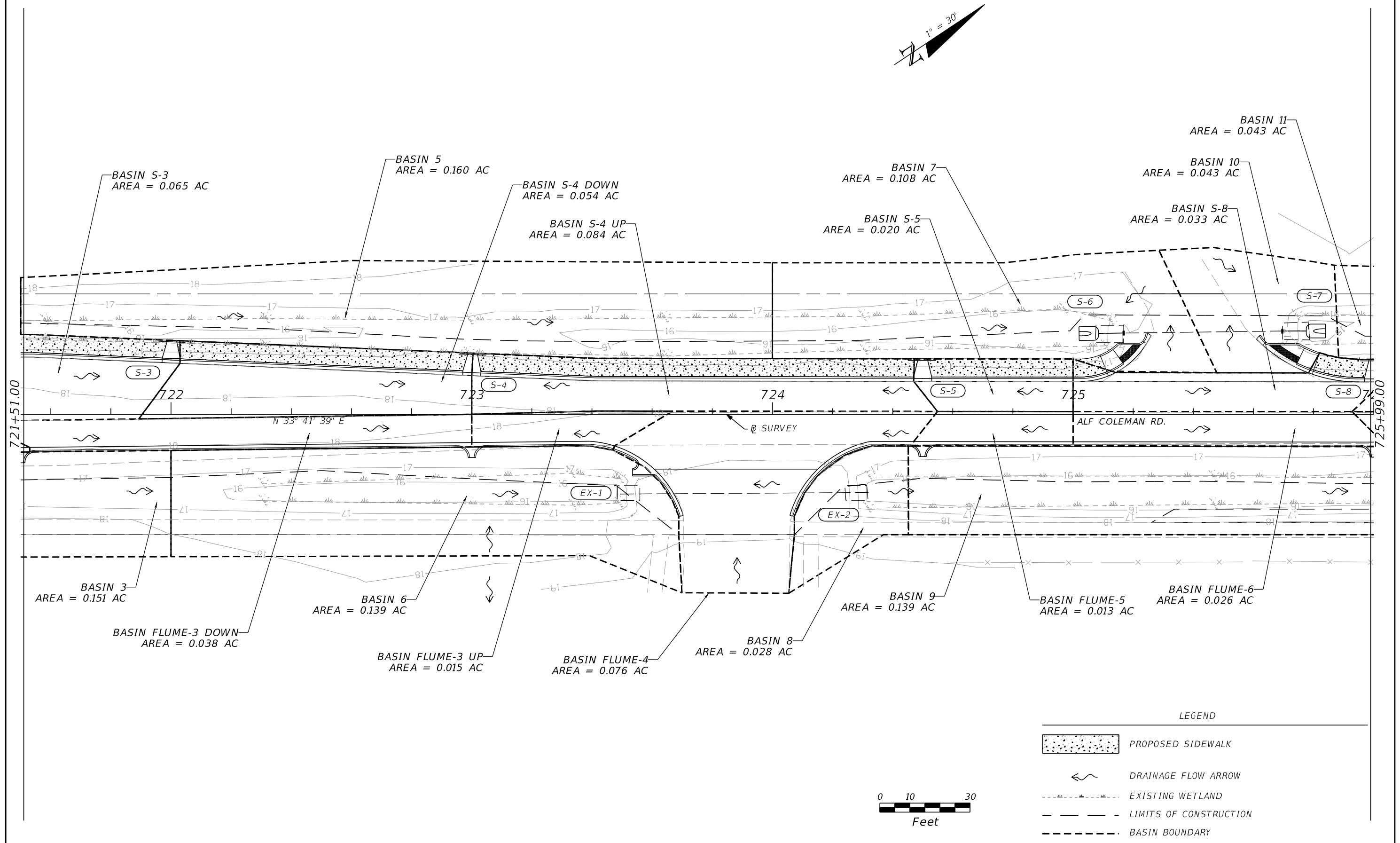
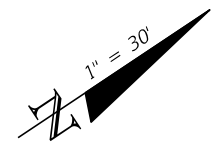
RICKY L. DODD, P.E.
P.E. LICENSE NUMBER 88526
GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DR.
CHIPLEY, FL 32428

| | | |
|--|--------|----------------------|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

DRAINAGE MAPS

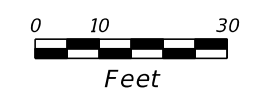
SHEET NO.
5

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



LEGEND

| | |
|--|------------------------|
| | PROPOSED SIDEWALK |
| | DRAINAGE FLOW ARROW |
| | EXISTING WETLAND |
| | LIMITS OF CONSTRUCTION |
| | BASIN BOUNDARY |



| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

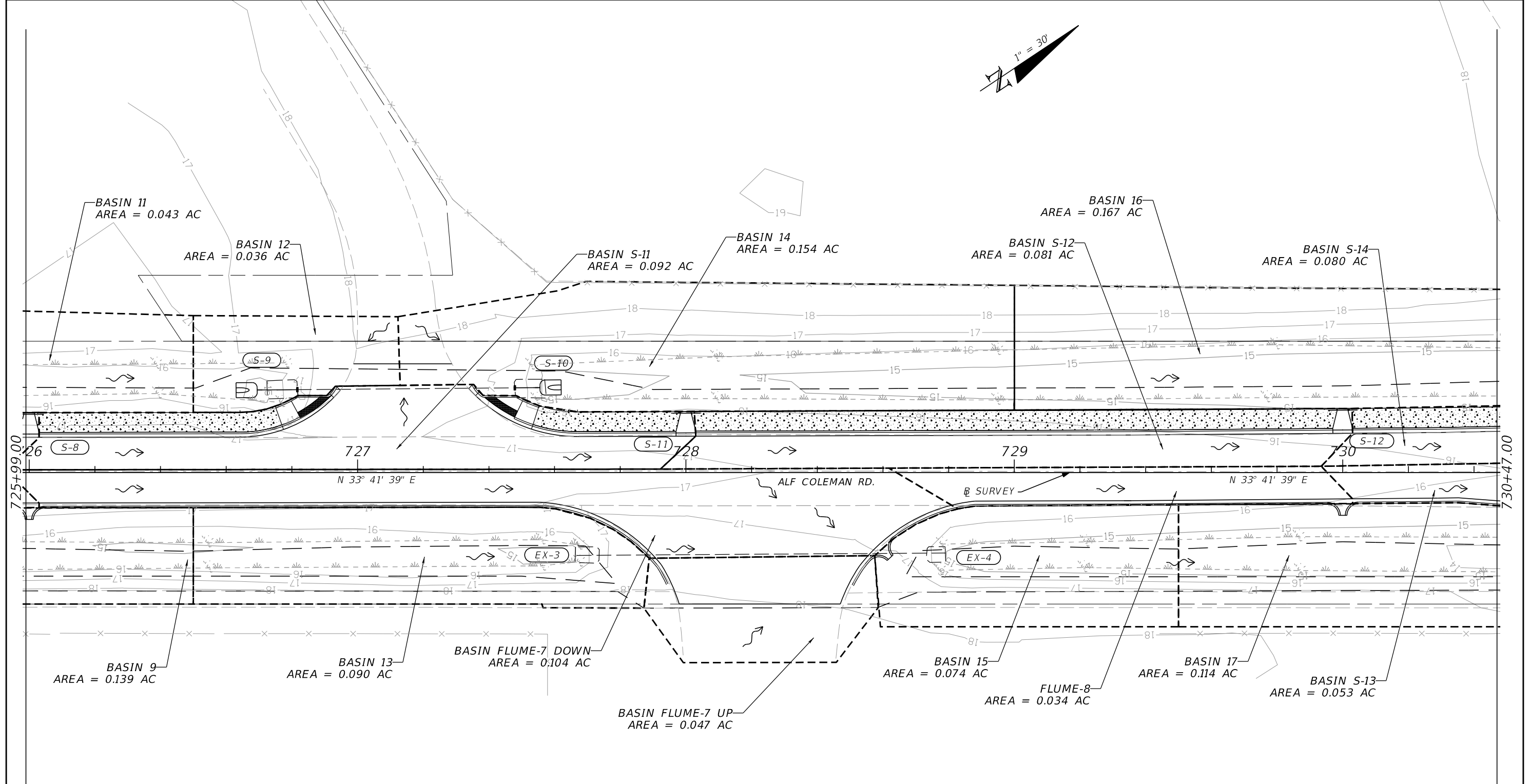
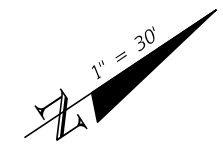
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| | | |
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| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

DRAINAGE MAPS

SHEET NO.
6

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



725+99.00

730+47.00



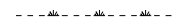
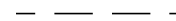

N 33° 41' 39" E

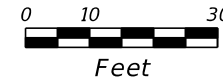
N 33° 41' 39" E

ALF COLEMAN RD.

8 SURVEY

LEGEND

-  PROPOSED SIDEWALK
-  DRAINAGE FLOW ARROW
-  EXISTING WETLAND
-  LIMITS OF CONSTRUCTION
-  BASIN BOUNDARY



| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

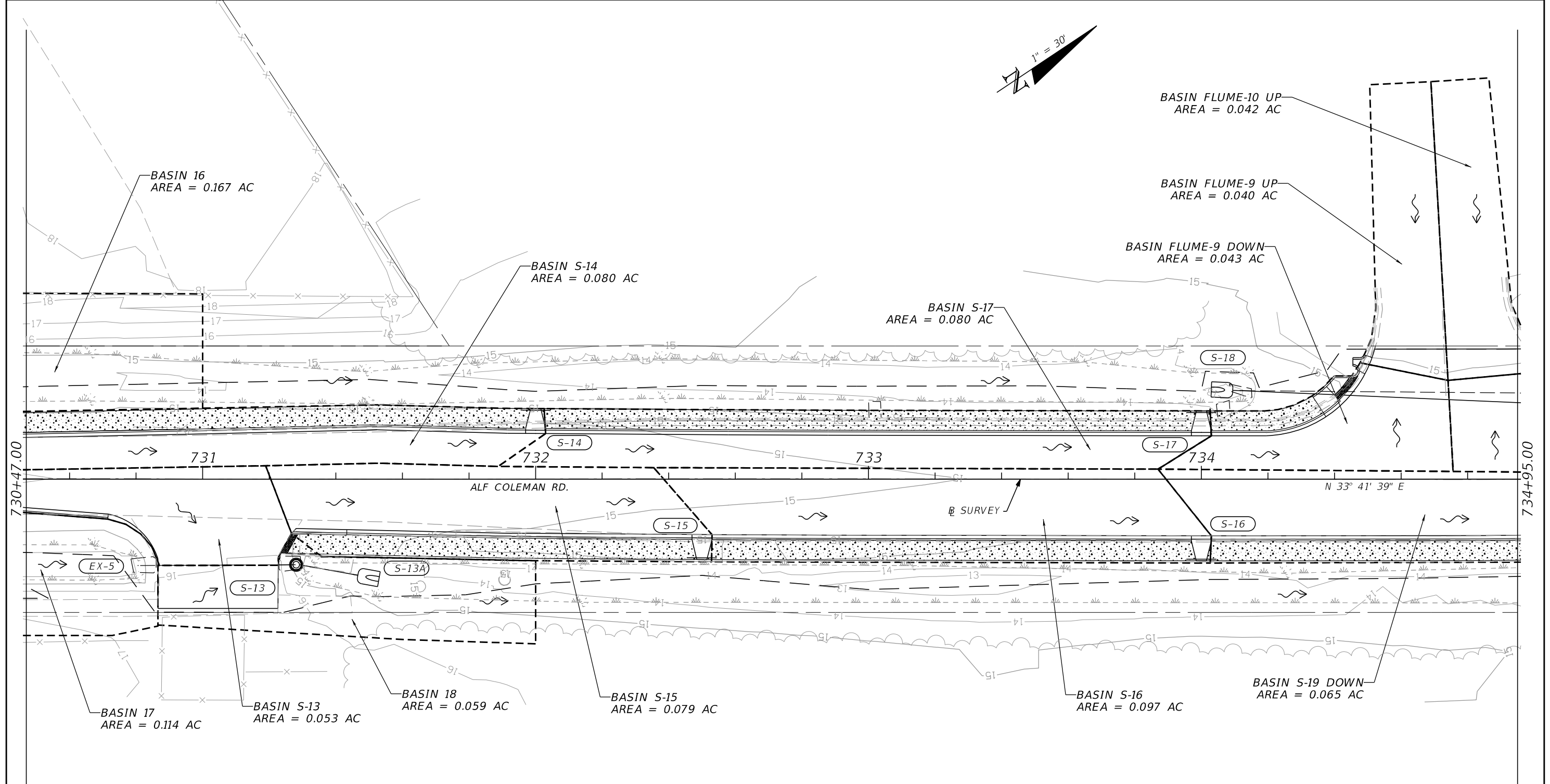
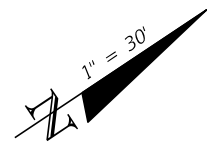
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

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|--|--------|----------------------|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

DRAINAGE MAPS

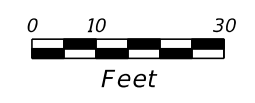
SHEET NO.
7

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



LEGEND

| | |
|--|------------------------|
| | PROPOSED SIDEWALK |
| | DRAINAGE FLOW ARROW |
| | EXISTING WETLAND |
| | LIMITS OF CONSTRUCTION |
| | BASIN BOUNDARY |



| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

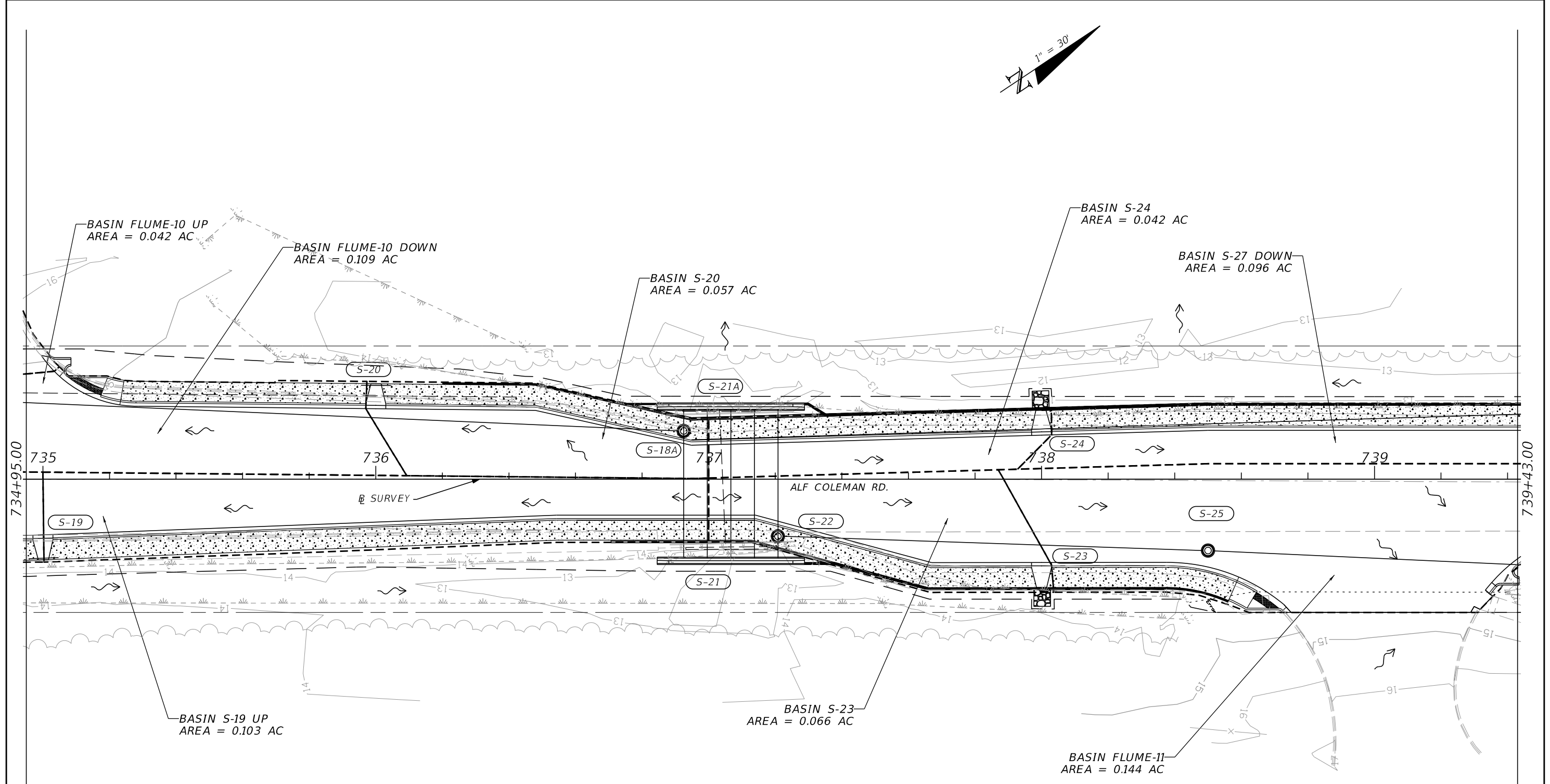
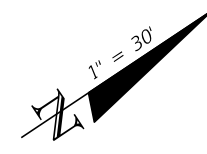
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

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| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

DRAINAGE MAPS

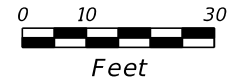
SHEET NO.
 8

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



LEGEND

- PROPOSED SIDEWALK
- DRAINAGE FLOW ARROW
- EXISTING WETLAND
- LIMITS OF CONSTRUCTION
- BASIN BOUNDARY



| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

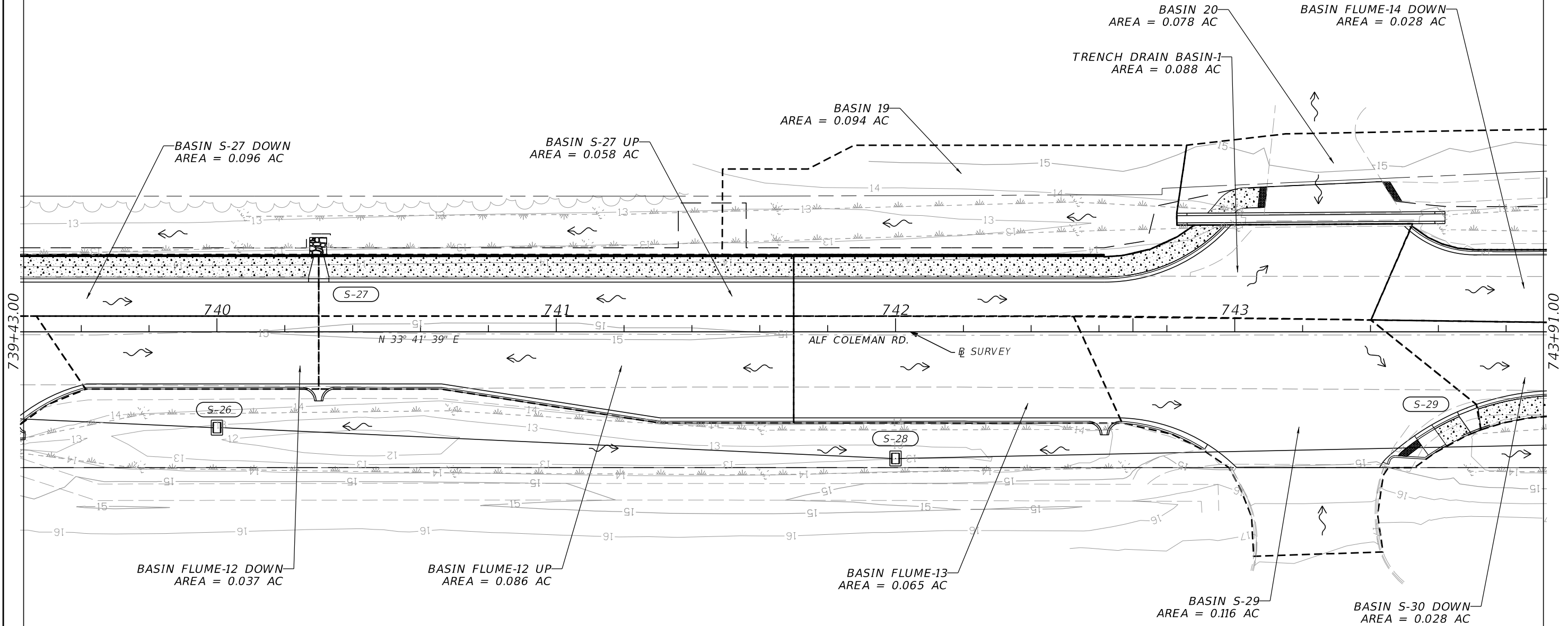
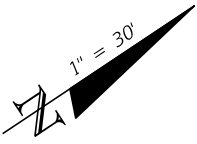
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| | | |
|--|--------|----------------------|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

DRAINAGE MAPS

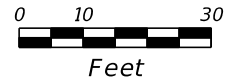
SHEET NO.
9

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LEGEND

| | |
|--|------------------------|
| | PROPOSED SIDEWALK |
| | DRAINAGE FLOW ARROW |
| | EXISTING WETLAND |
| | LIMITS OF CONSTRUCTION |
| | BASIN BOUNDARY |



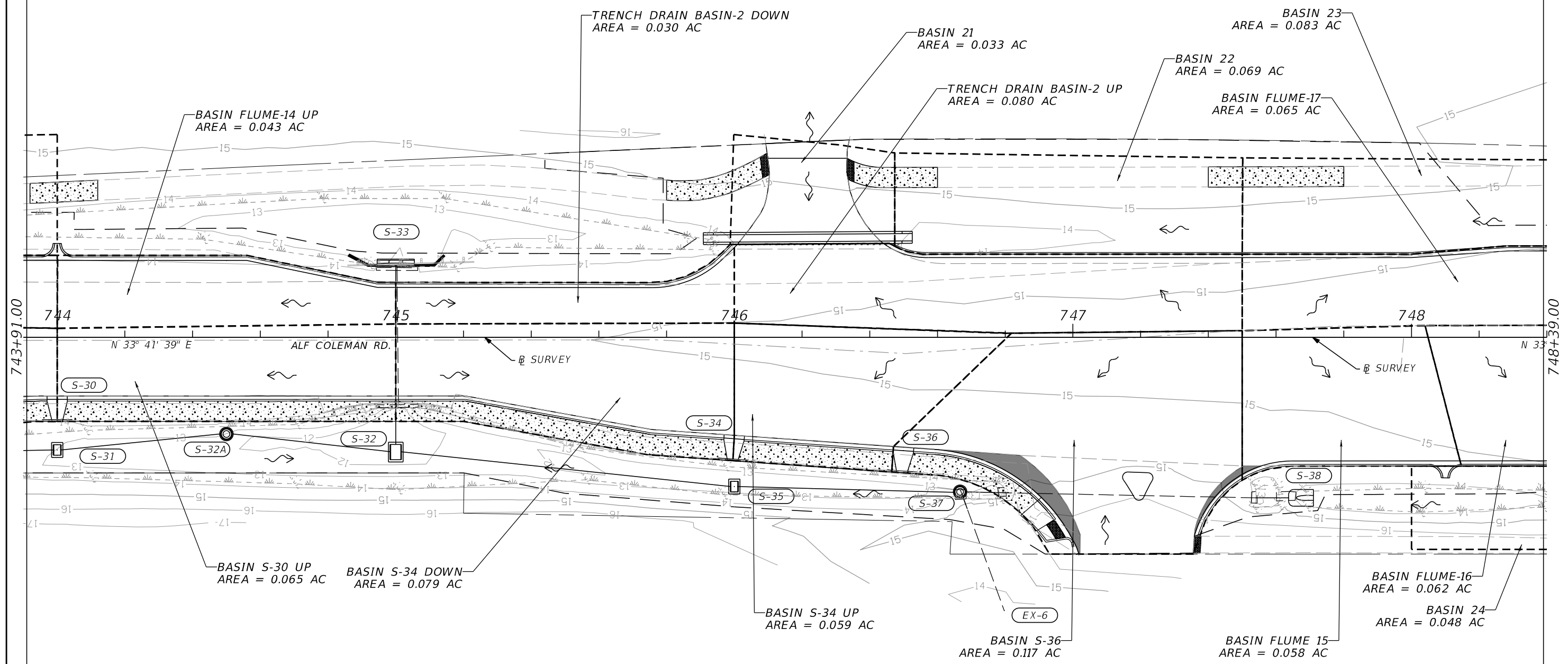
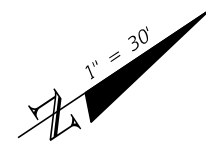
| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

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| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

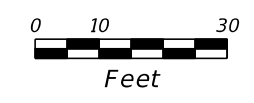
DRAINAGE MAPS
 SHEET NO.
 10

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LEGEND

- PROPOSED SIDEWALK
- DRAINAGE FLOW ARROW
- EXISTING WETLAND
- LIMITS OF CONSTRUCTION
- BASIN BOUNDARY



| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

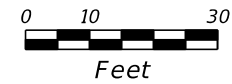
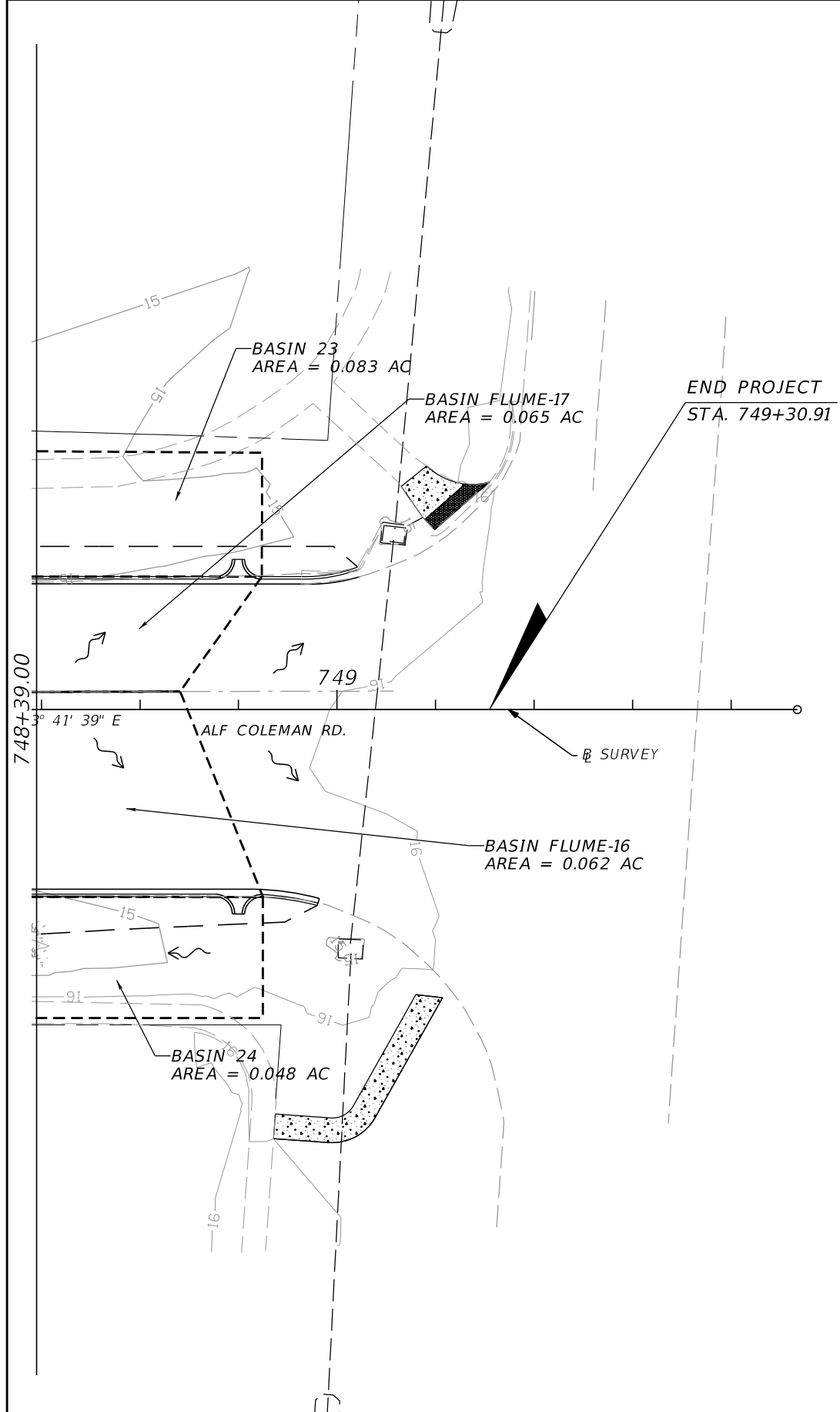
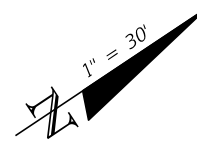
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| | | |
|--|--------|----------------------|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

DRAINAGE MAPS

SHEET NO.
11

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| LEGEND | |
|--------|------------------------|
| | PROPOSED SIDEWALK |
| | DRAINAGE FLOW ARROW |
| | EXISTING WETLAND |
| | LIMITS OF CONSTRUCTION |
| | BASIN BOUNDARY |

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

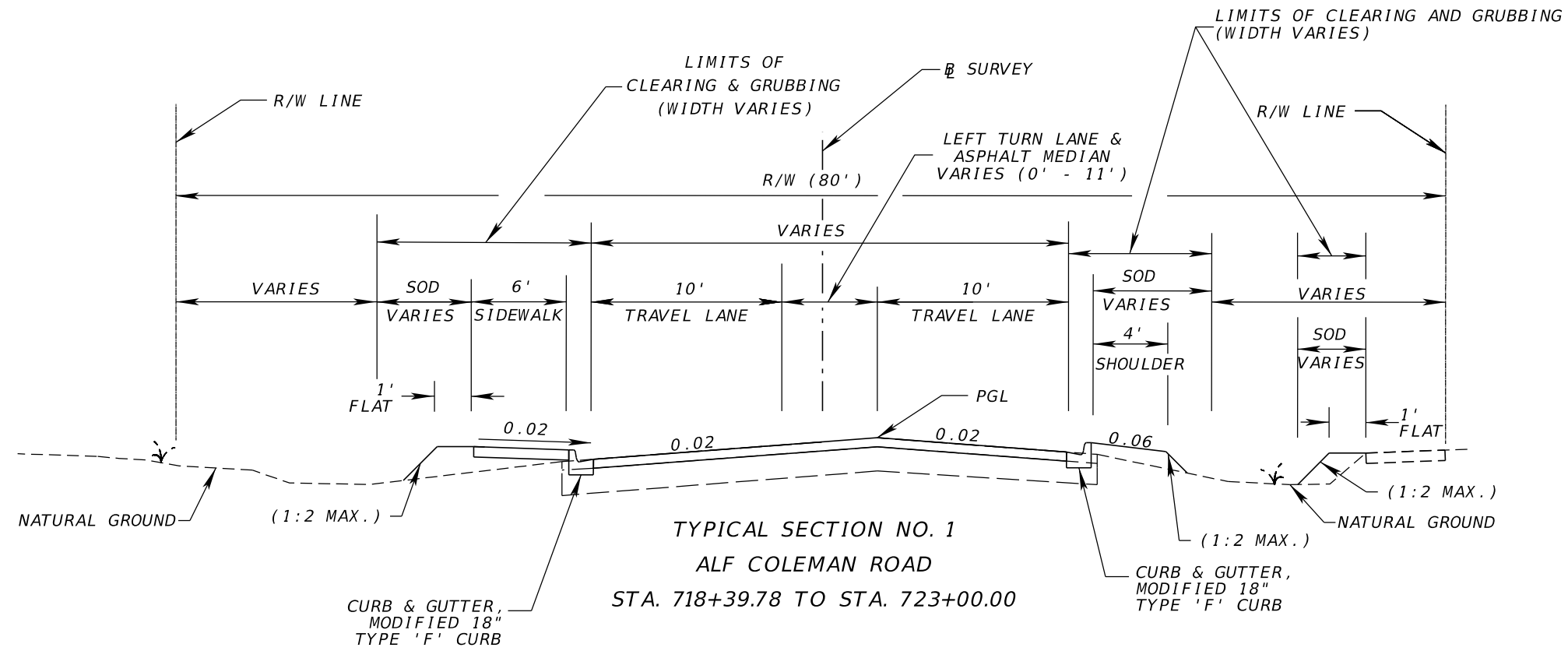
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

DRAINAGE MAPS

SHEET NO.
12

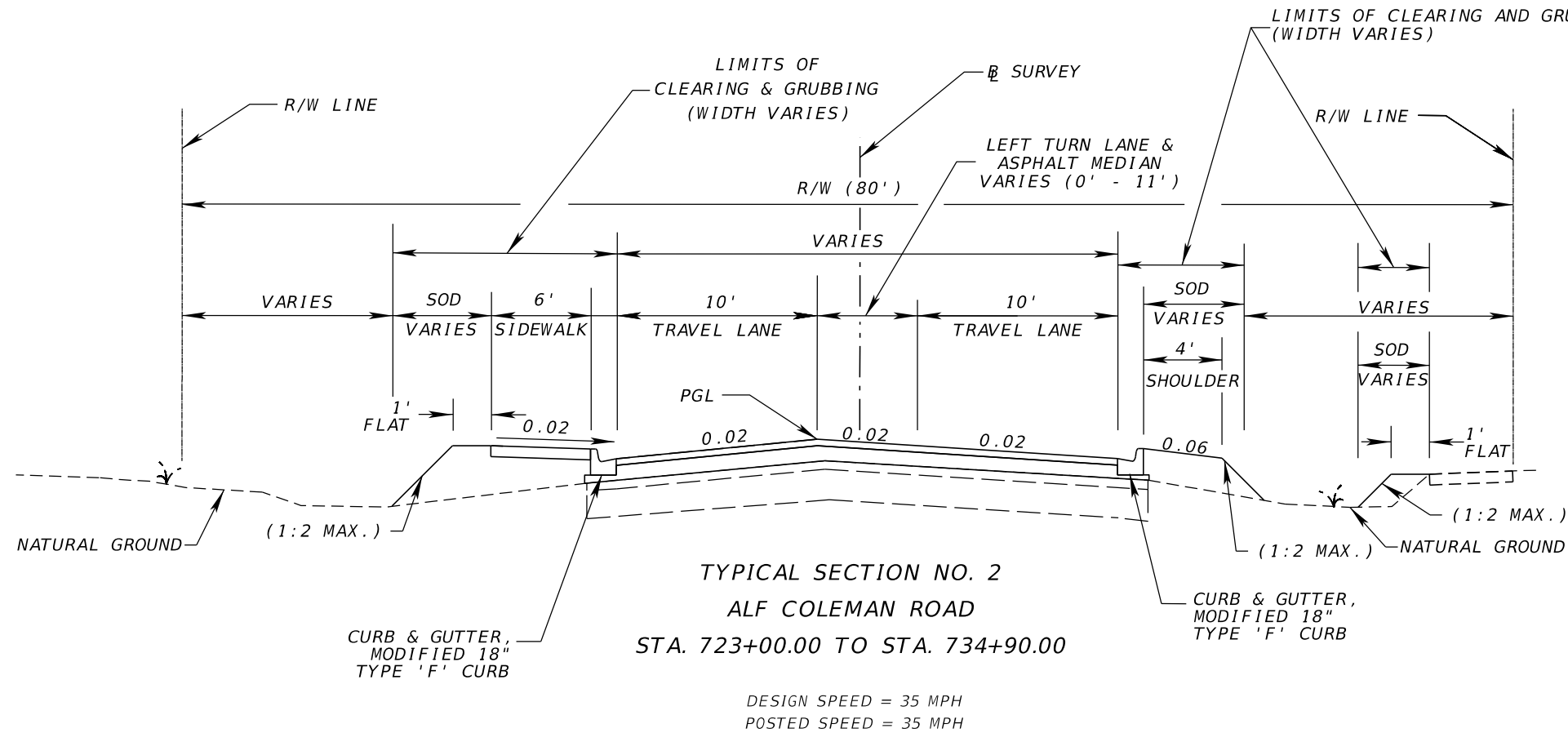
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MILLING & RESURFACING
MILL EXISTING ASPHALT PAVEMENT (2")
TYPE SP-9.5 STRUCTURAL COURSE (TRAFFIC B) (1 1/4")
AND FRICTION COURSE FC-9.5 (TRAFFIC B) (1 1/4") (PG 76-22)

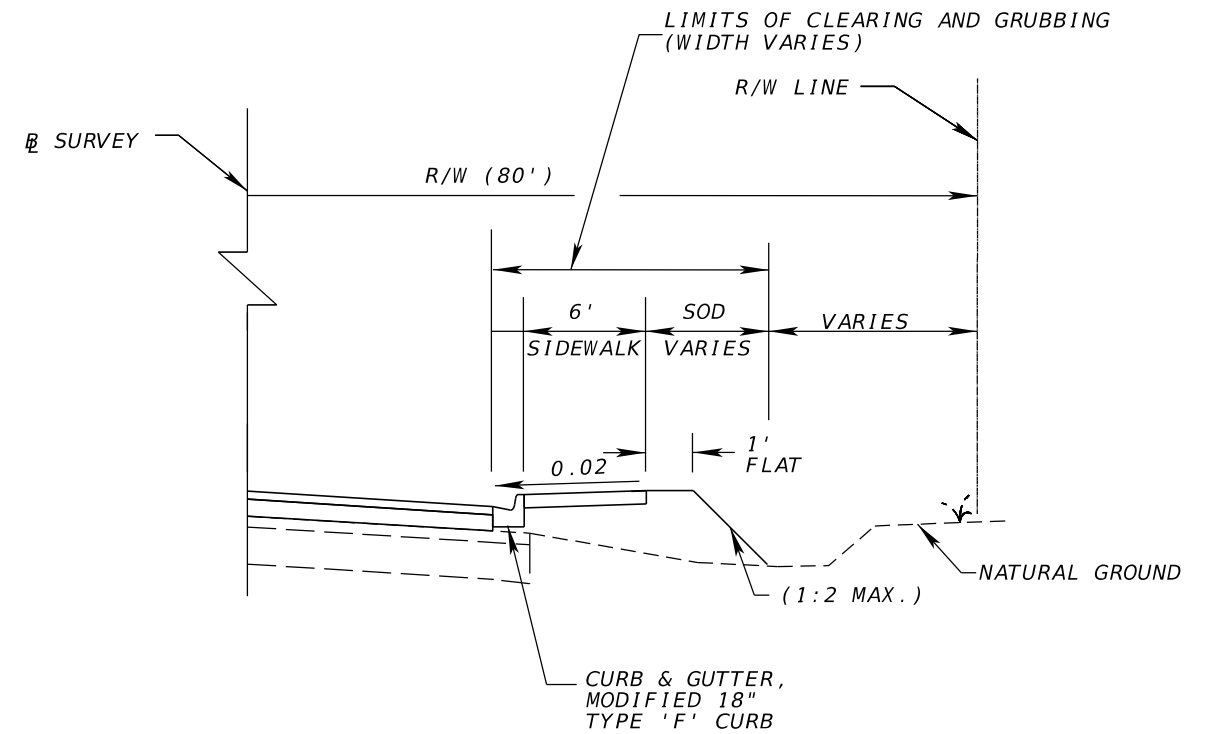
| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | TYPICAL SECTION | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|-----------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | 13 |
| | | | | | N/A | BAY | 441742-2-58-01 | | |

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OVERBUILD

MILL EXISTING ASPHALT PAVEMENT (2")
 OVERBUILD TYPE SP-9.5 (TRAFFIC B)
 TYPE SP-9.5 STRUCTURAL COURSE (TRAFFIC B) (1 1/4")
 AND FRICTION COURSE FC-9.5 (TRAFFIC B) (1 1/4") (PG 76-22)



SIDEWALK CONSTRUCTION DETAIL
 STA. 731+28.08 TO STA. 734+73.20

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

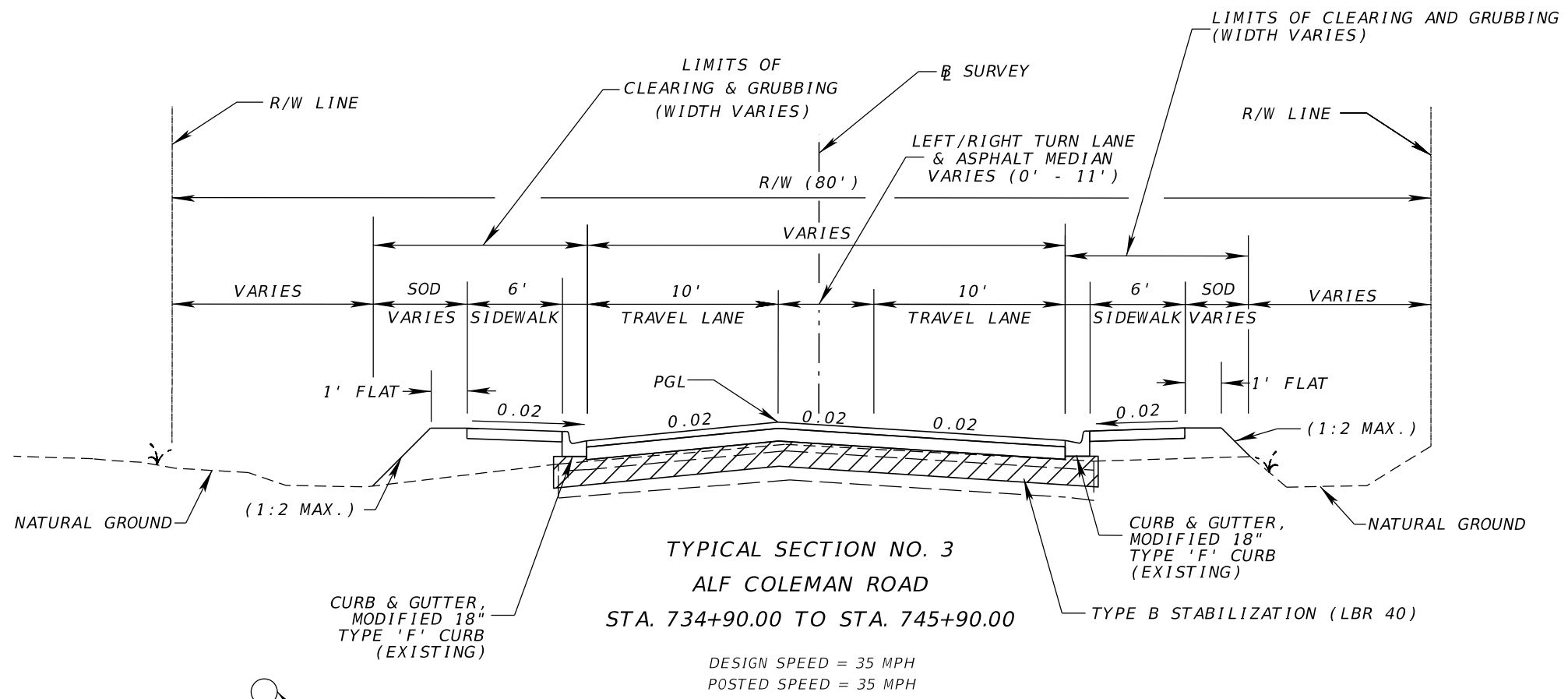
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

TYPICAL SECTION

SHEET NO.
14

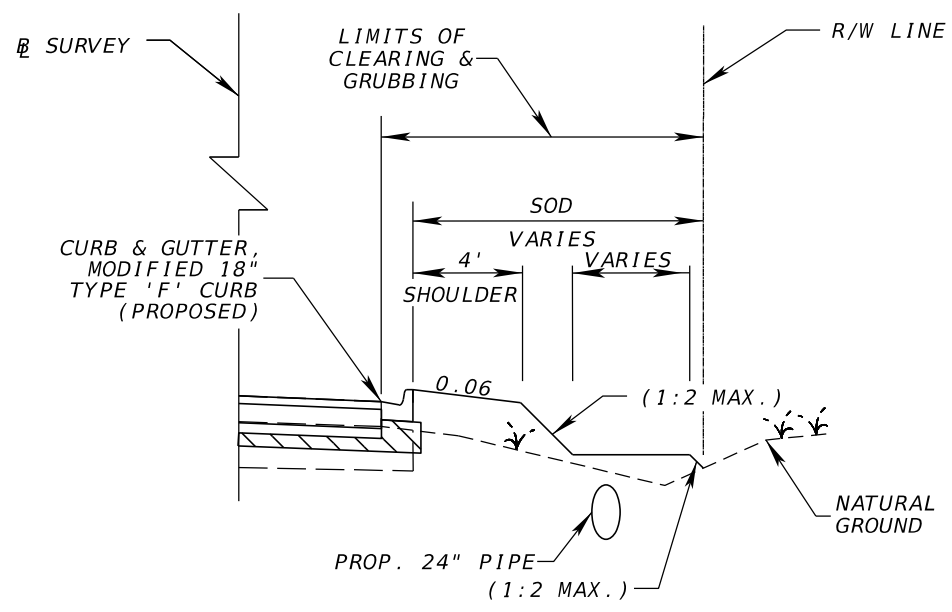
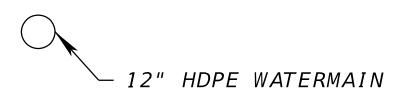
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



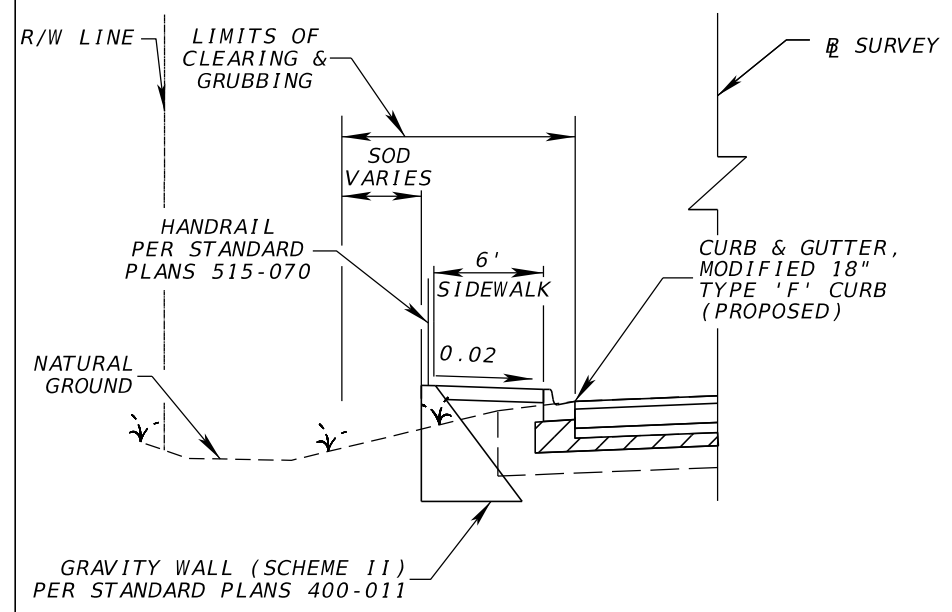
RECONSTRUCTION
 MILL EXISTING ASPHALT PAVEMENT (2")
 OPTIONAL BASE GROUP (6)
 TYPE SP-9.5 STRUCTURAL COURSE (TRAFFIC B) (1 1/4")
 AND FRICTION COURSE FC-9.5 (TRAFFIC B) (1 1/4") (PG 76-22)

TYPICAL SECTION NO. 3
ALF COLEMAN ROAD
STA. 734+90.00 TO STA. 745+90.00

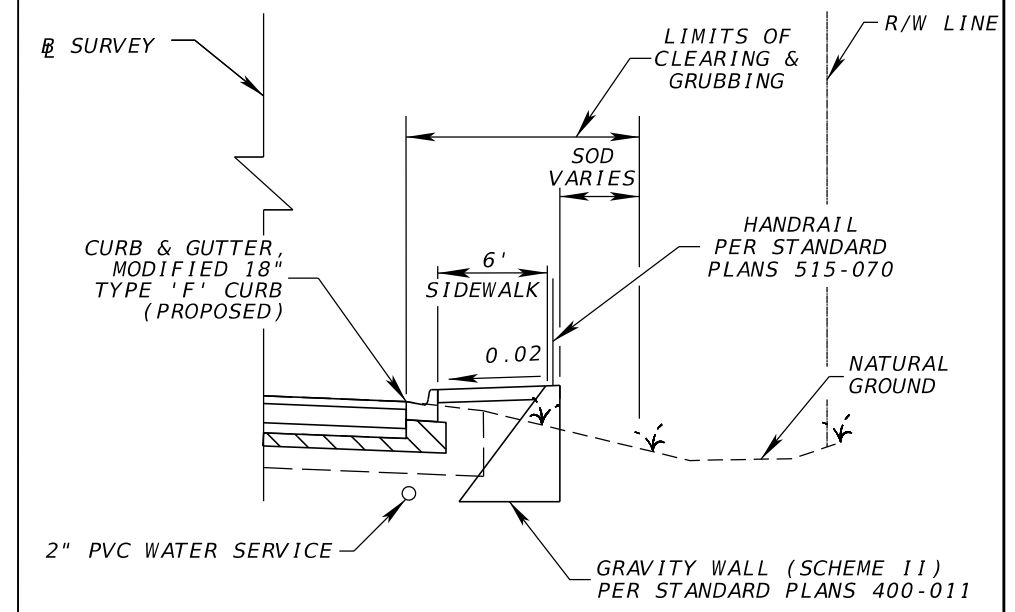
DESIGN SPEED = 35 MPH
 POSTED SPEED = 35 MPH



CURB & GUTTER CONSTRUCTION RIGHT SIDE
STA. 739+40.01 TO STA. 743+54.17



SIDEWALK CONSTRUCTION LEFT SIDE
STA. 736+20.00 TO STA. 742+61.49



SIDEWALK CONSTRUCTION RIGHT SIDE
STA. 737+28.78 TO STA. 738+56.17

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

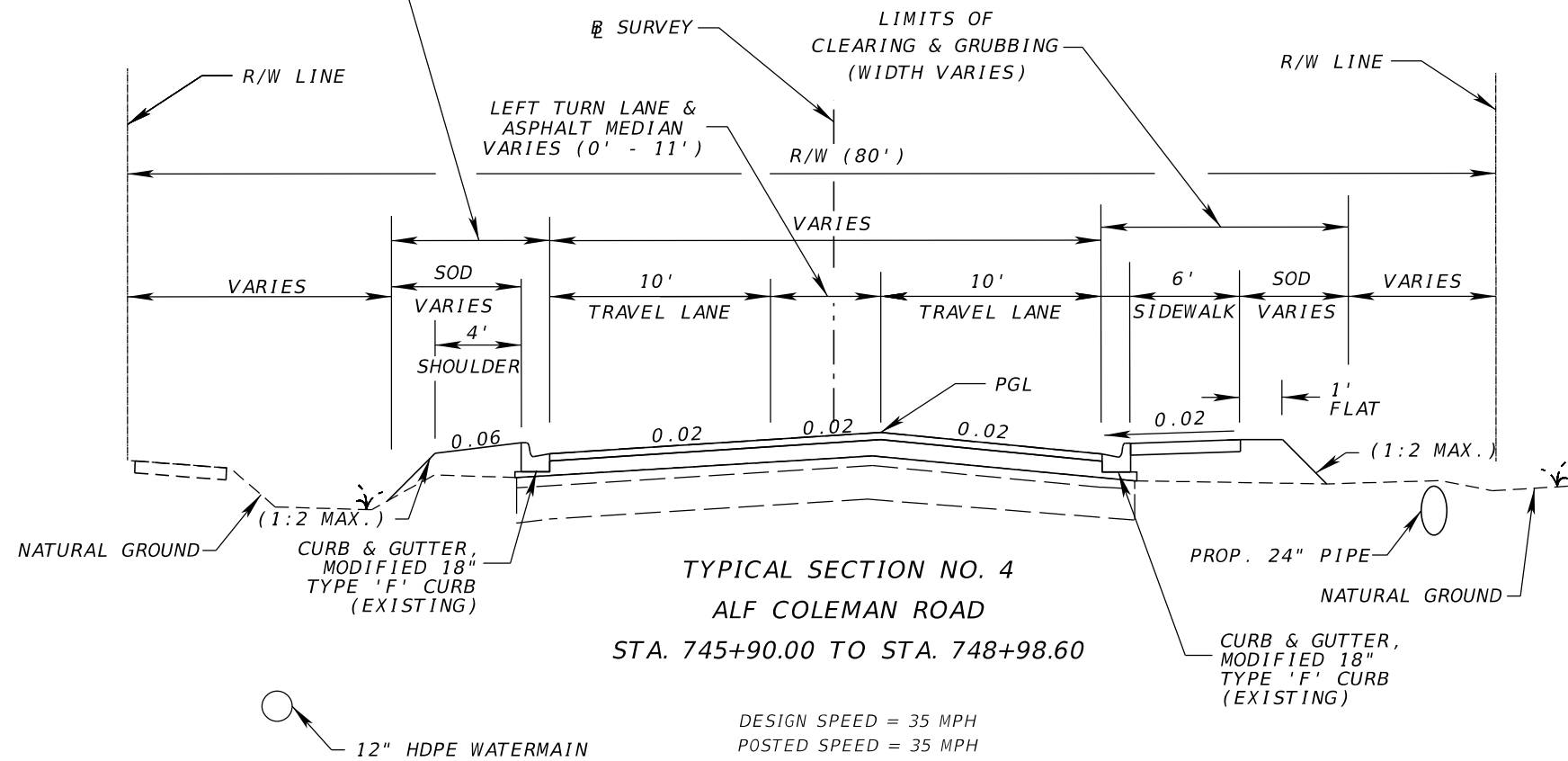
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

TYPICAL SECTION

SHEET NO.
15

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

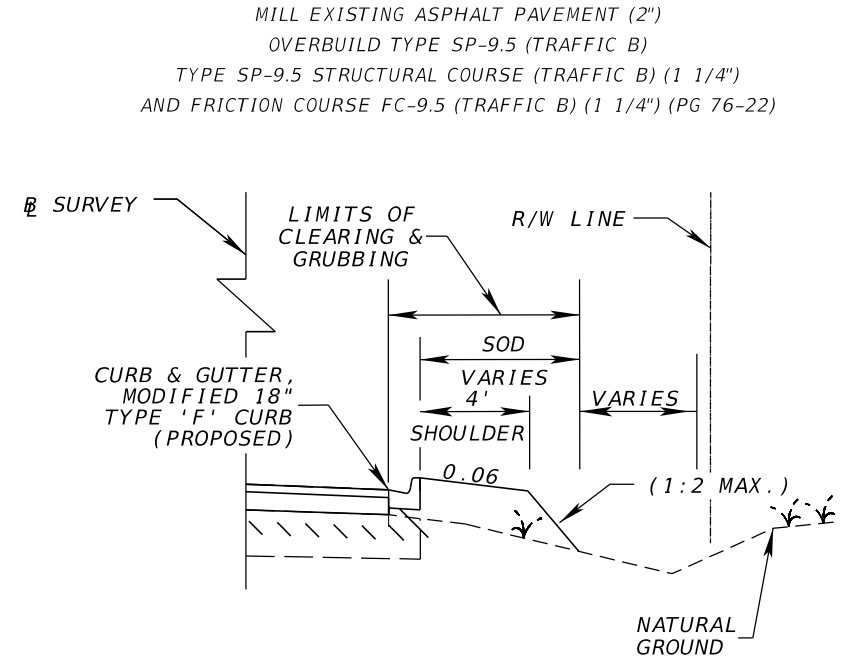
LIMITS OF CLEARING AND GRUBBING (WIDTH VARIES)



TYPICAL SECTION NO. 4
ALF COLEMAN ROAD
STA. 745+90.00 TO STA. 748+98.60

DESIGN SPEED = 35 MPH
 POSTED SPEED = 35 MPH

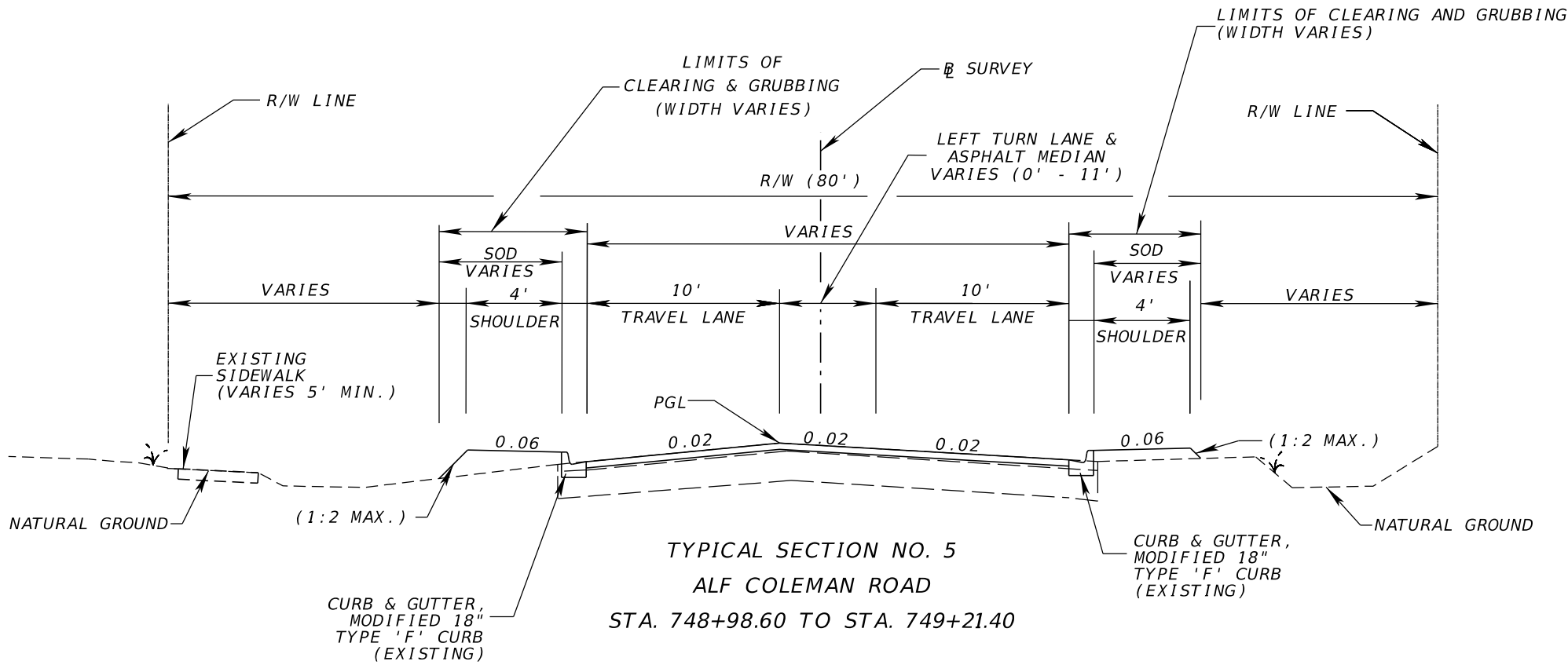
OVERBUILD



CURB & GUTTER CONSTRUCTION RIGHT SIDE
STA. 747+54.07 TO STA. 748+98.60

MILLING & RESURFACING

MILL EXISTING ASPHALT PAVEMENT (2")
 OVERBUILD TYPE SP-9.5 (TRAFFIC B)
 TYPE SP-9.5 STRUCTURAL COURSE (TRAFFIC B) (1 1/4")
 AND FRICTION COURSE FC-9.5 (TRAFFIC B) (1 1/4") (PG 76-22)



TYPICAL SECTION NO. 5
ALF COLEMAN ROAD
STA. 748+98.60 TO STA. 749+21.40

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

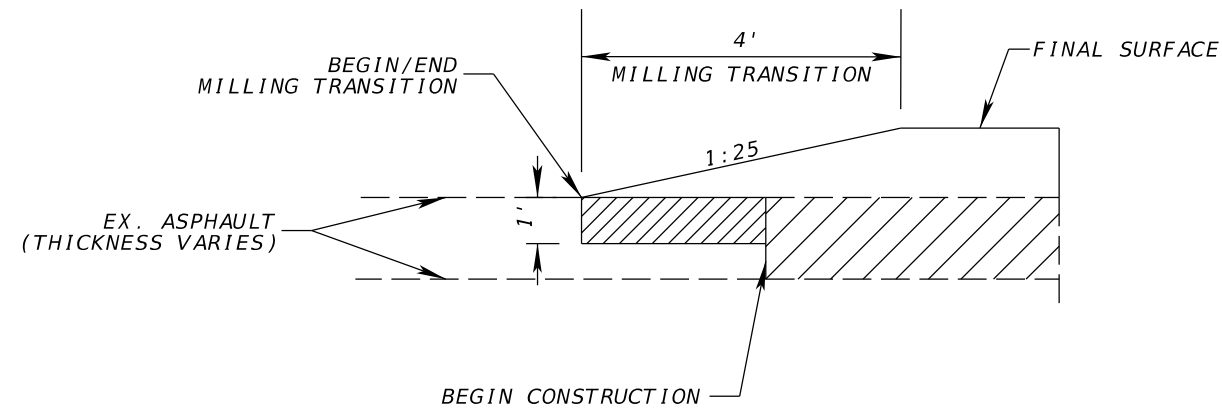
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| | | |
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| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

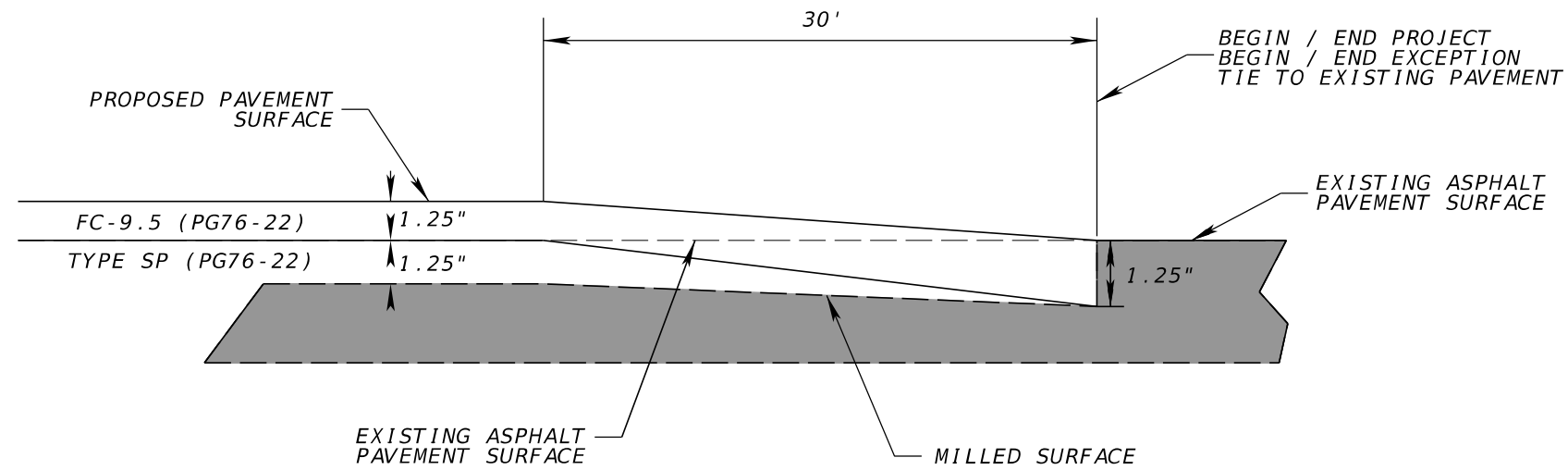
TYPICAL SECTION

SHEET NO.
16

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MILLING TRANSITION DETAIL
N.T.S.



LONGITUDINAL PAVEMENT FEATHERING DETAIL
N.T.S.

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | TYPICAL SECTION | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|------------------------|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | 17 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

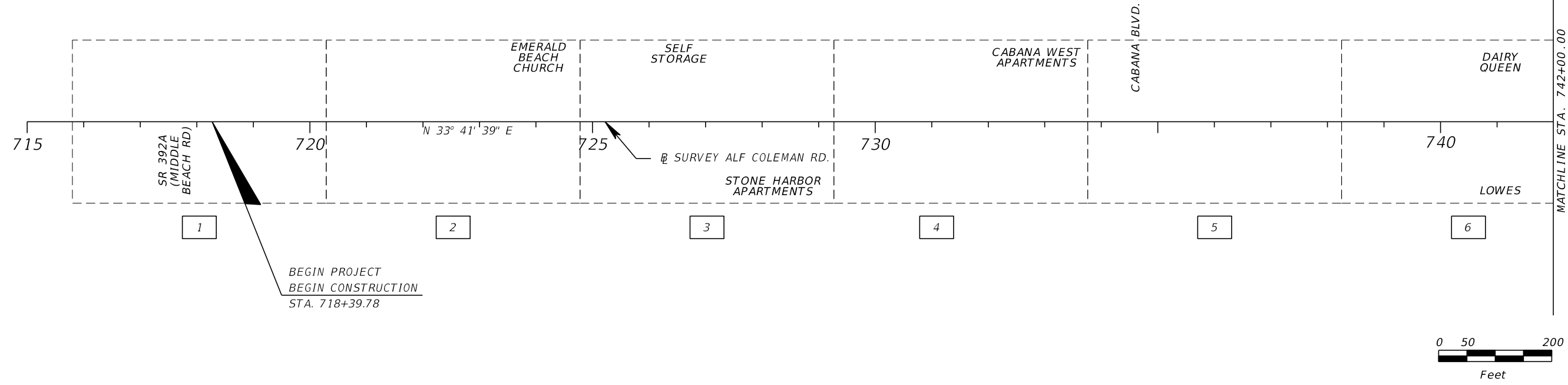
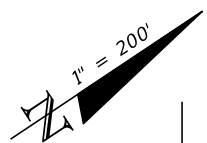
| QUANTITY | STRUCTURE NO. | STATION | SIDE | DESCRIPTION | BARRELS | PIPE SIZES & LENGTHS | | | | | MANHOLES | | TYPE 'C' DBI | TYPE 'E' DBI | CLOSED FLUME INLETS | CLASS 1 CONC. CY | DESIGN NOTES | CONSTRUCTION REMARKS |
|----------|---------------|----------------|------|---------------|---------|----------------------|-----|-----|-----|-----------|----------|----------|--------------|--------------|---------------------|------------------|----------------|----------------------|
| | | | | | | 4" | 15" | 18" | 24" | 34" X 53" | P BOTTOM | J BOTTOM | | | | | | |
| | | | | | | LF | LF | LF | LF | LF | EA | EA | | | | | | |
| P | S-1 | 719+00 | LT. | Pipe | 2 | 20 | | | | | | | | | | | 441742-2-58-01 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-2 | 721+00 | LT. | Inlet | 1 | | | | | | | | | 1 | | | 441742-2-58-01 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-3 | 722+00 | LT. | Inlet | 1 | | | | | | | | | 1 | | | 441742-2-58-01 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-4 | 722+00 | LT. | Inlet | 1 | | | | | | | | | 1 | | | 441742-2-58-01 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-5 | 724+50 | LT. | Inlet | 1 | | | | | | | | | 1 | | | 441742-2-58-01 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-8 | 726+00 | LT. | Inlet | 1 | | | | | | | | | 1 | | | 441742-2-58-01 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-11 | 728+00 | LT. | Inlet | 1 | | | | | | | | | 1 | | | 441742-2-58-01 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-12 | 730+00 | LT. | Inlet | 1 | | | | | | | | | 1 | | | 441742-2-58-01 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-14 | 732+00 | LT. | Inlet | 1 | | | | | | | | | 1 | | | 441742-2-58-01 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-15 | 732+50 | RT. | Inlet | 1 | | | | | | | | | 1 | | | 441742-2-58-01 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-16 | 734+00 | RT. | Inlet | 1 | | | | | | | | | 1 | | | 441742-2-58-01 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-17 | 734+00 | LT. | Inlet | 1 | | | | | | | | | 1 | | | 441742-2-58-01 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-19 | 735+00 | RT. | Inlet | 1 | | | | | | | | | 1 | | | 441742-2-58-01 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-20 | 736+00 | LT. | Inlet | 1 | | | | | | | | | 1 | | | 441742-2-58-01 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-18A | 736+92.49 | LT. | Manhole | 1 | | | | | | 1 | | | | | | 441742-2-58-02 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-21 | 737+03.12 | RT. | Endwall, Pipe | 5 | | | | | 240 | | | | | 15.40 | | 441742-2-58-02 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-21A | 737+03.12 | LT. | Endwall | 5 | | | | | | | | | | 15.40 | | 441742-2-58-02 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-22 | 737+20.78 | RT. | Manhole | 1 | | | | | | 1 | | | | | | 441742-2-58-02 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-23 | 738+00 | RT. | Inlet | 1 | | | | | | | | | 1 | | | 441742-2-58-01 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-24 | 738+00 | LT. | Inlet | 1 | | | | | | | | | 1 | | | 441742-2-58-01 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-25 | 738+50 | RT. | Manhole, Pipe | 1 | | | | 128 | | 1 | | | | | | 441742-2-58-02 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-26 | 740+00 | RT. | Inlet, Pipe | 1 | | | | 148 | | | 1 | | | | | 441742-2-58-02 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-27 | 740+30 | LT. | Inlet | 1 | | | | | | | | | 1 | | | 441742-2-58-01 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-28 | 742+00 | RT. | Inlet, Pipe | 1 | | | | 200 | | | 1 | | | | | 441742-2-58-02 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-29 | 743+68.79 | RT. | Inlet | 1 | | | | | | | | | 1 | | | 441742-2-58-01 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-30 | 744+00 | RT. | Inlet | 1 | | | | | | | | | 1 | | | 441742-2-58-01 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-31 | 744+00 | RT. | Inlet, Pipe | 1 | | | | 200 | | | 1 | | | | | 441742-2-58-02 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-32A | 744+50 | RT. | Manhole, Pipe | 1 | | | | 47 | | 1 | | | | | | 441742-2-58-02 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-32 | 745+00 | RT. | Inlet, Pipe | 1 | | | | 47 | | | 1 | | | | | 441742-2-58-02 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-33 | 745+00 | LT. | Endwall, Pipe | 1 | | | | 52 | | | | | | 2.24 | | 441742-2-58-02 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-34 | 746+00 | RT. | Inlet | 1 | | | | | | | | | 1 | | | 441742-2-58-01 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-35 | 746+00 | RT. | Inlet, Pipe | 1 | | | | 100 | | | 1 | | | | | 441742-2-58-02 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-36 | 746+50 | RT. | Inlet | 1 | | | | | | | | | 1 | | | 441742-2-58-01 | |
| F | | | | | | | | | | | | | | | | | | |
| P | S-37 | 746+66.67 | RT. | Manhole, Pipe | 1 | | 4 | 76 | | | 1 | | | | | | 441742-2-58-02 | |
| F | | | | | | | | | | | | | | | | | | |
| TOTALS | | PLAN QUANTITY | | | | 20 | 4 | 76 | 922 | 240 | 3 | 2 | 4 | 1 | 20 | 33.0 | | |
| | | FINAL QUANTITY | | | | | | | | | | | | | | | | |

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | SUMMARY OF DRAINAGE STRUCTURES | SHEET NO. 18 |
|-----------|-------------|------|-------------|--|--|--------|----------------------|-----------------------------------|-----------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

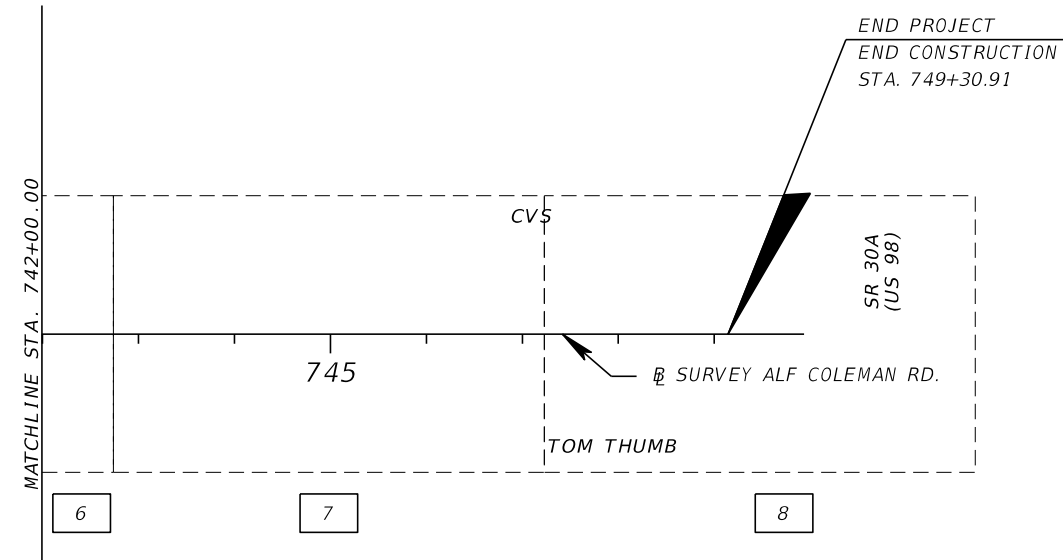
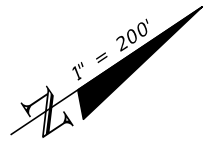
LEGEND

1 ROADWAY PLAN NUMBER



LEGEND

1 ROADWAY PLAN NUMBER



| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | PROJECT LAYOUT | SHEET NO. |
|-----------|-------------|------|----------|--|--|----------------------|----|----------------|-----------|
| DATE | DESCRIPTION | DATE | ROAD NO. | | COUNTY | FINANCIAL PROJECT ID | 19 | | |
| | | | N/A | | BAY | 441742-2-58-01 | | | |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

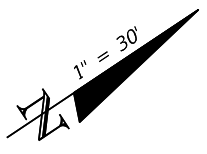
GENERAL NOTES
=====

1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AND UTILIZED AS SUPPORTING DATA IN THE PRODUCTION OF DESIGN PLANS AND FOR CONSTRUCTION ON SUBJECT PROJECT. THE PROFESSIONAL SURVEYOR AND MAPPER OF RECORD IS:
 THOMAS K. MEAD, P.S.M.
 P.S.M. NO. 5624
 SOUTHEASTERN SURVEYING AND MAPPING CORPORATION
 1130 HIGHWAY 90
 CHIPLEY, FL 32428
 CERTIFICATE OF AUTHORIZATION: 2108
3. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh, AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.

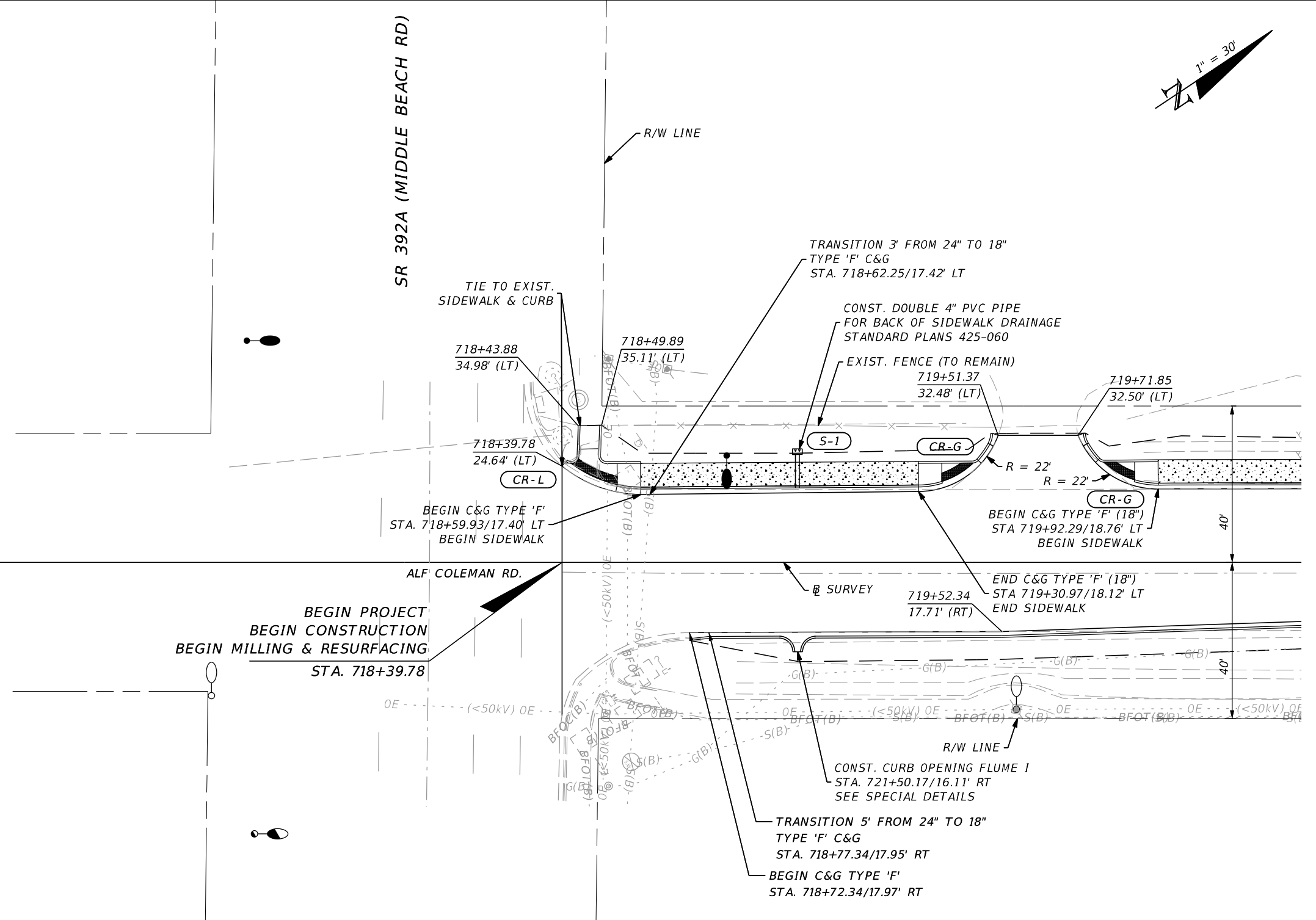
| 4. UTILITY/AGENCY OWNERS: | COMPANY | CONTACT | TELEPHONE NUMBER |
|---------------------------|---|----------------|--------------------------|
| | AT&T FLORIDA | ROB ST. PIERRE | (850) 436-1701 |
| | BAY COUNTY TRAFFIC ENG. | WAYNE COMEAU | (850) 784-4071 |
| | CITY OF PANAMA CITY BEACH | MARK SHAEFFER | (850) 233-5054 EXT. 2321 |
| | COMCAST CABLEVISION | ROB ADAMS | (904) 362-4026 |
| | GULF POWER COMPANY | CHAD SWAILS | (850) 429-2446 |
| | TECO PEOPLES GAS | MARK NOBLE | (850) 914-6129 |
| | UNITI FIBER LLC | KYLE HILL | (850) 544-1400 |
| | WIDE OPEN WEST (WOW) (FORMERLY KNOLOGY) | KENNETH HOLT | (850) 215-5740 |

5. EXISTING DRAINAGE STRUCTURES ARE TO REMAIN UNLESS OTHERWISE SHOWN IN PLANS.
6. MEMORIAL MARKERS THAT ARE IN CONFLICT WITH CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR AND GIVEN TO THE LOCAL MAINTENANCE ENGINEER WITH A DESCRIPTION OF WHERE IT WAS REMOVED (I. STATION/OFFSET). COST IS TO BE INCIDENTAL OF EXISTING PAY ITEMS.
7. SUSPENSION OF CONTRACTOR'S OPERATIONS - HOLIDAYS AND SPECIAL EVENTS
 SPECIAL EVENTS DAYS FOR THIS PROJECT INCLUDE:
 * PANAMA CITY BEACH MARDI GRAS AND MUSIC FESTIVAL (MARCH)
 * THUNDER BEACH SPRING MOTORCYCLE RALLY (MAY)
 * SANDJAM MUSIC FESTIVAL (APRIL)
 * JEEP BEACH JAM (MAY)
 * PEPSI GULF COAST JAM (AUGUST-SEPTEMBER)
 * LOBSTER FESTIVAL (SEPTEMBER)
 * THUNDER BEACH AUTUMN MOTORCYCLE RALLY (OCTOBER)
 * PANAMA CITY BEACH OKTOBERFEST (OCTOBER)
 * PANAMA CITY BEACH MARATHON (DECEMBER)

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | GENERAL NOTES | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|---------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | 21 |
| | | | | | N/A | BAY | 441742-2-58-01 | | |



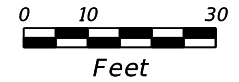
SR 392A (MIDDLE BEACH RD)



LEGEND

- PROPOSED SIDEWALK
- EXISTING WETLAND
- LIMITS OF CONSTRUCTION
- EXIST. DRAINAGE STRUCTURE TO REMAIN

CAUTION
HIGH PRESSURE GAS MAIN
IN AREA OF CONSTRUCTION



| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

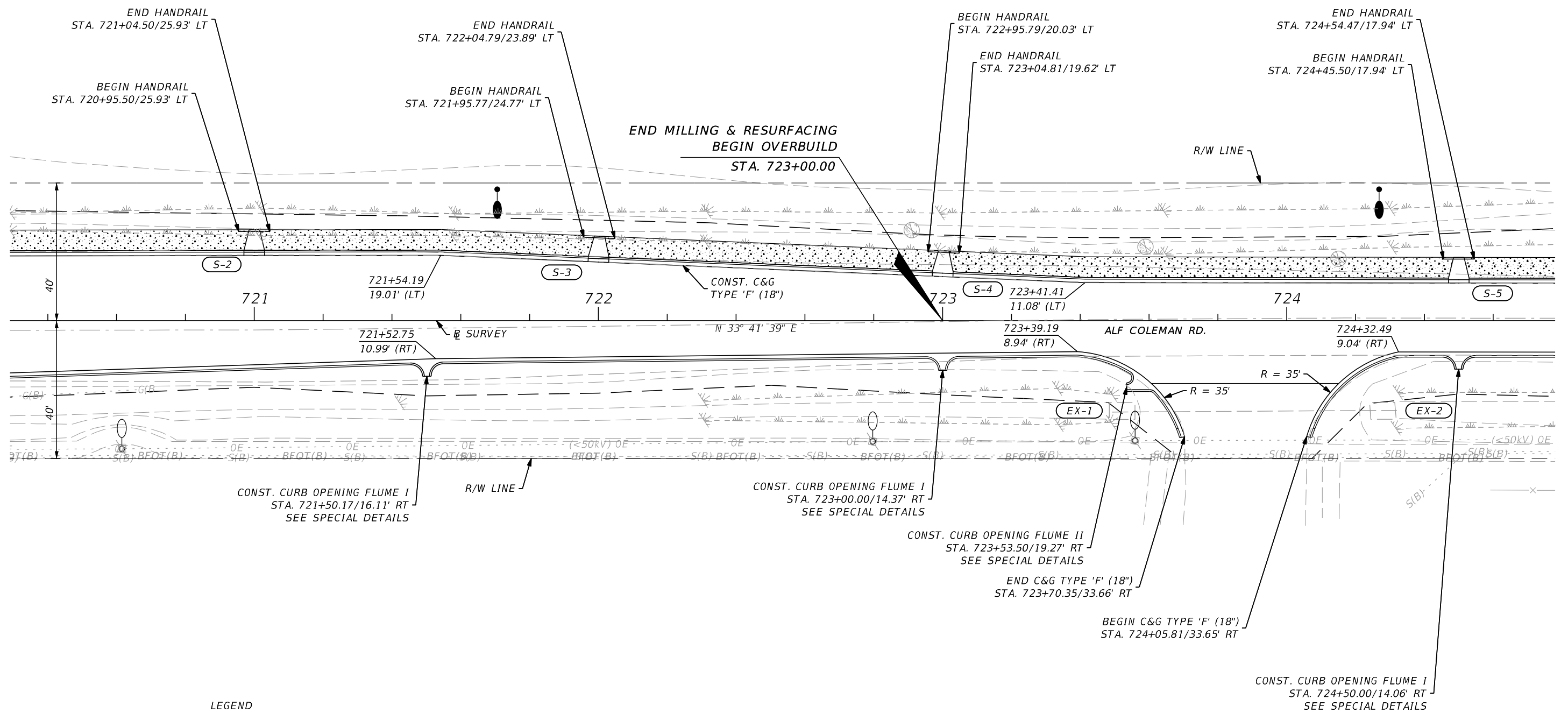
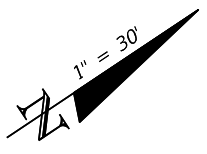
RICKY L. DODD, P.E.
P.E. LICENSE NUMBER 88526
GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DR.
CHIPLEY, FL 32428

| | | |
|--|--------|----------------------|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

ROADWAY PLAN (01)

SHEET NO.
22

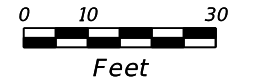
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LEGEND

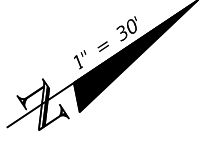
- PROPOSED SIDEWALK
- EXISTING WETLAND
- LIMITS OF CONSTRUCTION
- EXIST. DRAINAGE STRUCTURE TO REMAIN

CAUTION
HIGH PRESSURE GAS MAIN
IN AREA OF CONSTRUCTION



| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | ROADWAY PLAN (02) | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|--------------------------|----------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | 23 |
| | | | | | | N/A | BAY | | 441742-2-58-01 |

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S-6
 STA. 725+06.00/26.86' LT
 CONST. 18" MES (1:4)
 STANDARD PLANS 430-022
 INV. (NE) 15.03

S-9
 STA. 726+67.00/25.14' LT
 CONST. 18" MES (1:4)
 STANDARD PLANS 430-022
 INV. (NE) 14.93

S-10
 STA. 727+58.00/25.92' LT
 CONST. 18" MES (1:4)
 STANDARD PLANS 430-022
 INV. (NE) 14.67

S-7
 STA. 725+80.00/27.67' LT
 CONST. 18" MES (1:4)
 STANDARD PLANS 430-022
 INV. (NE) 15.08

REMOVE EXIST.
 18" MES, CONST. CONCRETE
 COLLAR STANDARD PLANS 430-001.

REMOVE EXIST.
 18" MES, CONST. CONCRETE COLLAR
 PER STANDARD PLANS 430-001.

CONST. 8 LF
 OF 18" PIPE
 REMOVE EXIST.
 18" MES, CONST. CONCRETE
 COLLAR STAND. PLAN 430-001.

CONST. 12 LF
 OF 18" PIPE

CONST. 8 LF OF 18" PIPE

BEGIN HANDRAIL
 STA. 727+95.48/18.10' LT

REMOVE EXIST.
 18" MES, CONST. CONCRETE
 COLLAR STAND. PLAN 430-001.

BEGIN HANDRAIL
 STA. 725+95.49/17.74' LT

END HANDRAIL
 STA. 728+04.45/18.10' LT

CONST. 8 LF
 OF 18" PIPE

R/W LINE

R/W LINE

725+26.02 725+60.97
 26.16' (LT) 24.96' (LT)

726+94.75
 25.08' (LT)

727+33.83
 25.57' (LT)

R = 26' R = 48'
 CR-D CR-D

R = 40' R = 45'
 CR-D CR-D

BEGIN C&G TYPE 'F' (18")
 STA 725+79.56/13.32' LT.
 BEGIN SIDEWALK

BEGIN C&G TYPE 'F' (18")
 STA 727+52.96/13.24' LT
 BEGIN SIDEWALK

725+95.19
 9.26' (RT)

726+64.21
 9.16' (RT)

N 33° 41' 39" E
 727+55.35 ALF COLEMAN RD.
 9.00' (RT)

728+88.00
 8.66' (RT)

END C&G TYPE 'F' (18")
 STA. 726+77.45/13.12' LT
 END SIDEWALK

OVERHEAD SHARDED IDENTITIES, GULF OF POWER

END VALLEY GUTTER PER
 STANDARD PLANS 520-001
 STA 725+95.19/10.74' LT.

END C&G TYPE 'F' (18")
 STA 725+11.77/12.76' LT
 END SIDEWALK

BEGIN VALLEY GUTTER PER
 STANDARD PLANS 520-001
 STA 725+11.77/12.76' LT


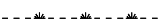
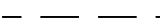

CONST. CURB OPENING FLUME I
 STA. 726+00.00/14.26' RT
 SEE SPECIAL DETAILS

CONST. CURB OPENING FLUME I
 STA. 728+62.18/25.90' RT
 SEE SPECIAL DETAILS

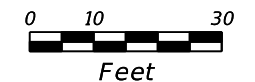
BEGIN C&G TYPE 'F' (18")
 STA. 728+49.68/33.77' RT

END C&G TYPE 'F' (18")
 STA. 727+95.44/33.44' RT

LEGEND

-  PROPOSED SIDEWALK
-  EXISTING WETLAND
-  LIMITS OF CONSTRUCTION
-  EX-# EXIST. DRAINAGE STRUCTURE TO REMAIN

CAUTION
 HIGH PRESSURE GAS MAIN
 IN AREA OF CONSTRUCTION



| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

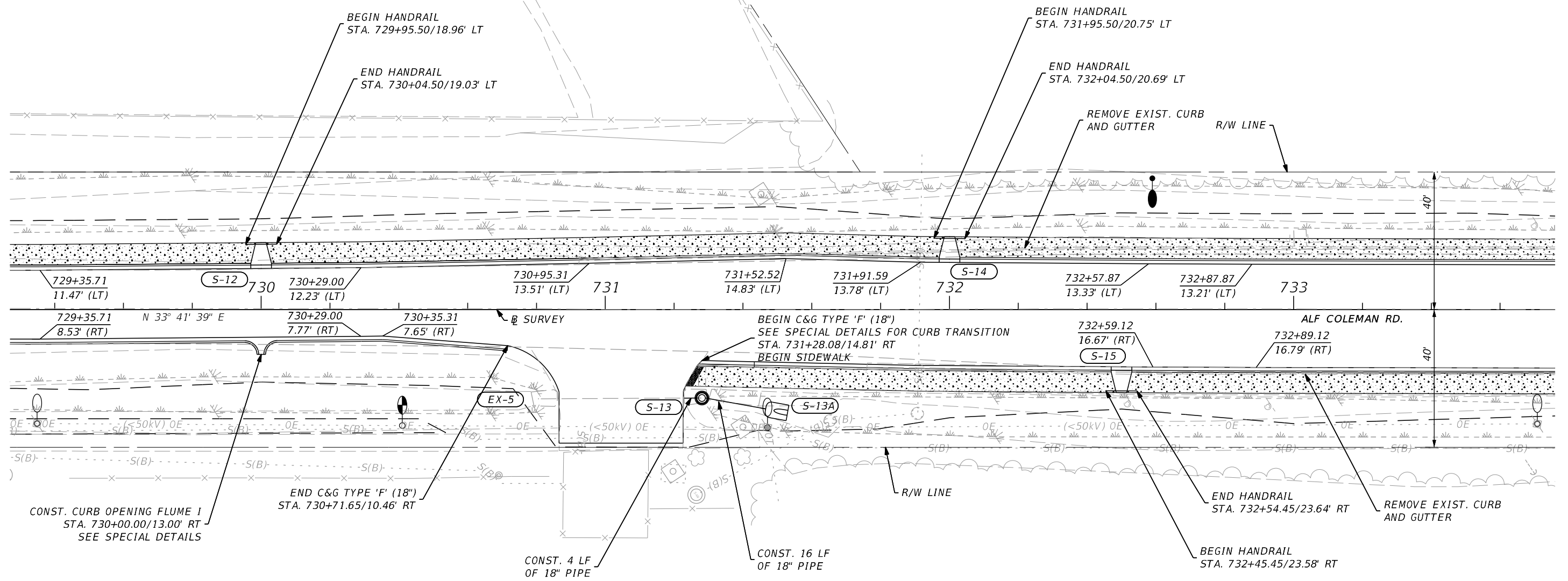
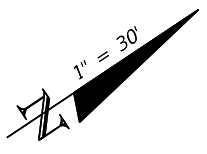
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| | | |
|--|--------|----------------------|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

ROADWAY PLAN (03)

SHEET NO.
24

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

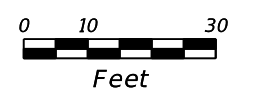


LEGEND

- PROPOSED SIDEWALK
- EXISTING WETLAND
- LIMITS OF CONSTRUCTION
- EXIST. DRAINAGE STRUCTURE TO REMAIN

S-13A
 STA. 731+49.00/29.28' RT
 CONST. 18" MES (1:4)
 STANDARD PLANS 430-022
 INV. (NE) 14.03

CAUTION
 HIGH PRESSURE GAS MAIN
 IN AREA OF CONSTRUCTION

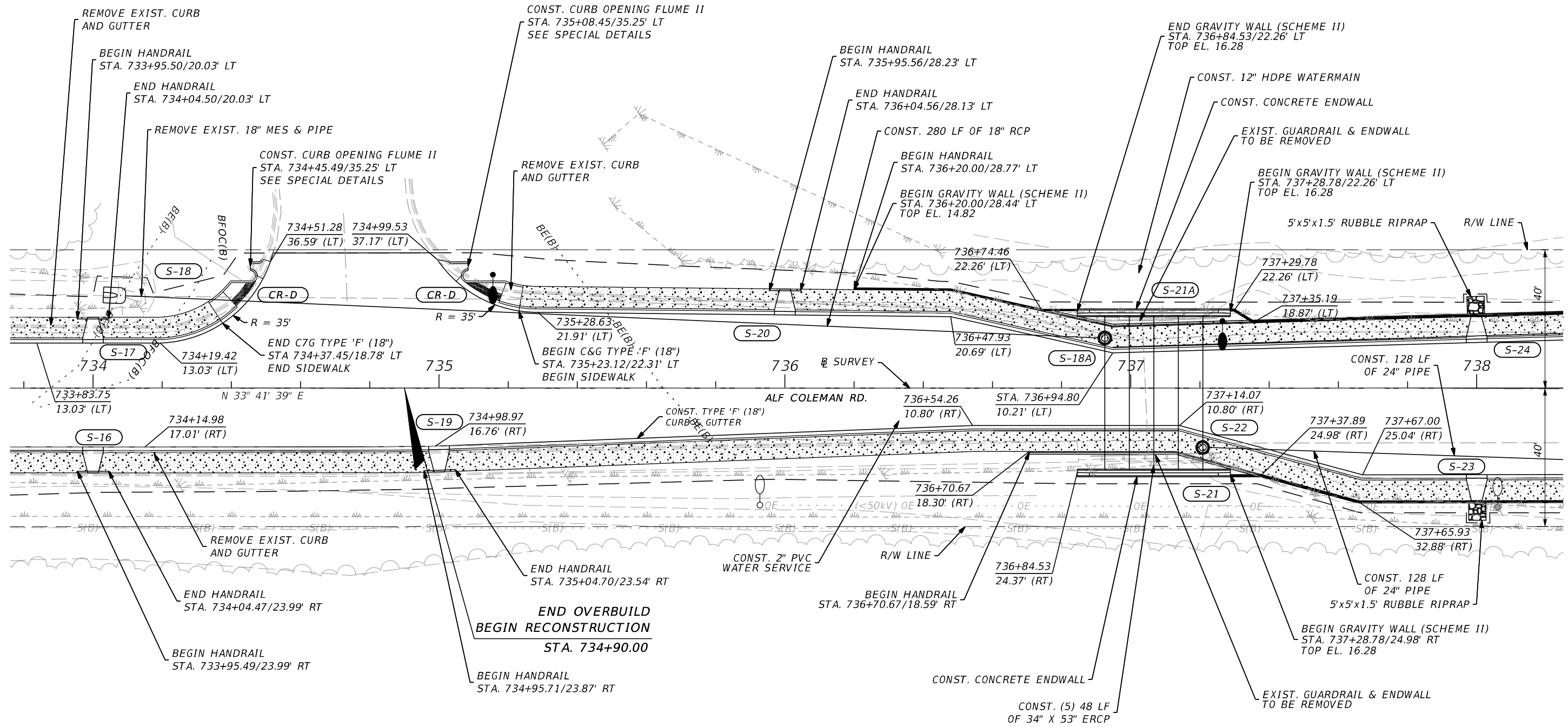
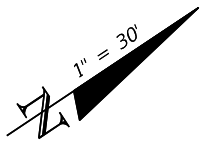


| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | ROADWAY PLAN (04) | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|--------------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | 25 |
| | | | | | N/A | BAY | 441742-2-58-01 | | |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

S-18
 STA. 734+07.00/26.80' LT
 CONST. 18" MES (1:4)
 STANDARD PLANS 430-022
 INV. (NE) 12.75

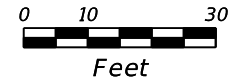
S-21A
 STA. 737+03.12/22.09' LT
 CONST. ENDWALL
 STANDARD PLANS 430-030
 TOP EL. 16.28
 INV. 12.20



LEGEND

- PROPOSED SIDEWALK
- EXISTING WETLAND
- LIMITS OF CONSTRUCTION
- EXIST. DRAINAGE STRUCTURE TO REMAIN

CAUTION
 HIGH PRESSURE GAS MAIN
 IN AREA OF CONSTRUCTION



| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

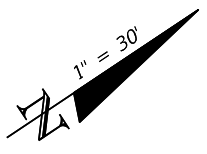
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| | | |
|--|--------|----------------------|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

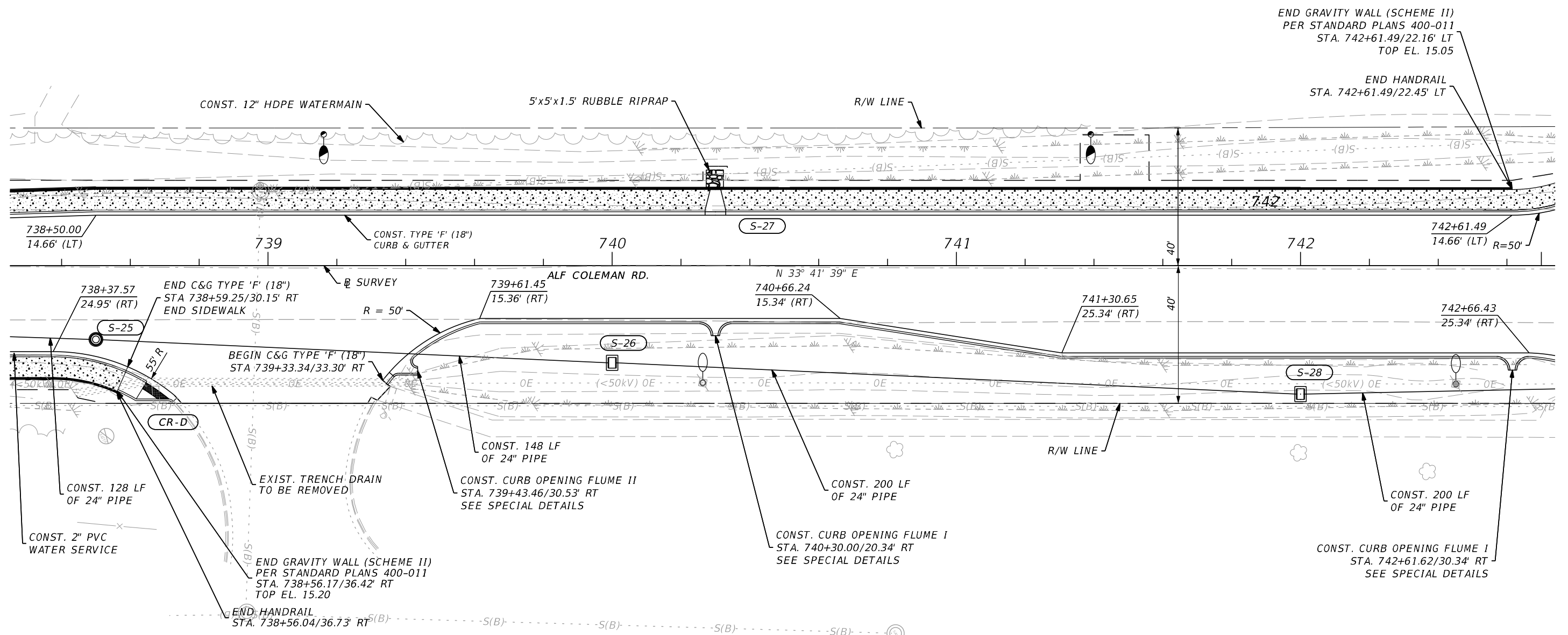
ROADWAY PLAN (05)

SHEET NO.
26

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



S-27
 STA. 740+30.00/14.66' LT
 CONST. CLOSED FLUME INLET, TYPE I
 SE SPECIAL DETAILS (D=6'-6")



END GRAVITY WALL (SCHEME II)
 PER STANDARD PLANS 400-011
 STA. 742+61.49/22.16' LT
 TOP EL. 15.05

END HANDRAIL
 STA. 742+61.49/22.45' LT

CONST. 12" HDPE WATERMAIN

5'x5'x1.5' RUBBLE RIPRAP

R/W LINE

738+50.00
14.66' (LT)

739

CONST. TYPE 'F' (18")
CURB & GUTTER

740

S-27

741

742

742+61.49
14.66' (LT) R=50'

ALF COLEMAN RD.

N 33° 41' 39" E

738+37.57
24.95' (RT)

END C&G TYPE 'F' (18")
STA 738+59.25/30.15' RT
END SIDEWALK

S-25

BEGIN C&G TYPE 'F' (18")
STA 739+33.34/33.30' RT

CR-D

CONST. 128 LF
OF 24" PIPE

CONST. 2" PVC
WATER SERVICE

END GRAVITY WALL (SCHEME II)
PER STANDARD PLANS 400-011
STA. 738+56.17/36.42' RT
TOP EL. 15.20

END HANDRAIL
STA. 738+56.04/36.73' RT

739+61.45
15.36' (RT)

R = 50'

S-26

CONST. 148 LF
OF 24" PIPE

CONST. CURB OPENING FLUME II
STA. 739+43.46/30.53' RT
SEE SPECIAL DETAILS

740+66.24
15.34' (RT)

CONST. 200 LF
OF 24" PIPE

CONST. CURB OPENING FLUME I
STA. 740+30.00/20.34' RT
SEE SPECIAL DETAILS

741+30.65
25.34' (RT)


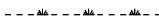
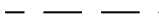

R/W LINE

742+66.43
25.34' (RT)

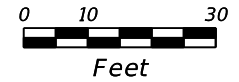
S-28

CONST. CURB OPENING FLUME I
STA. 742+61.62/30.34' RT
SEE SPECIAL DETAILS

LEGEND

-  PROPOSED SIDEWALK/CONCRETE
-  EXISTING WETLAND
-  LIMITS OF CONSTRUCTION
-  EXIST. DRAINAGE STRUCTURE TO REMAIN

CAUTION
 HIGH PRESSURE GAS MAIN
 IN AREA OF CONSTRUCTION



| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

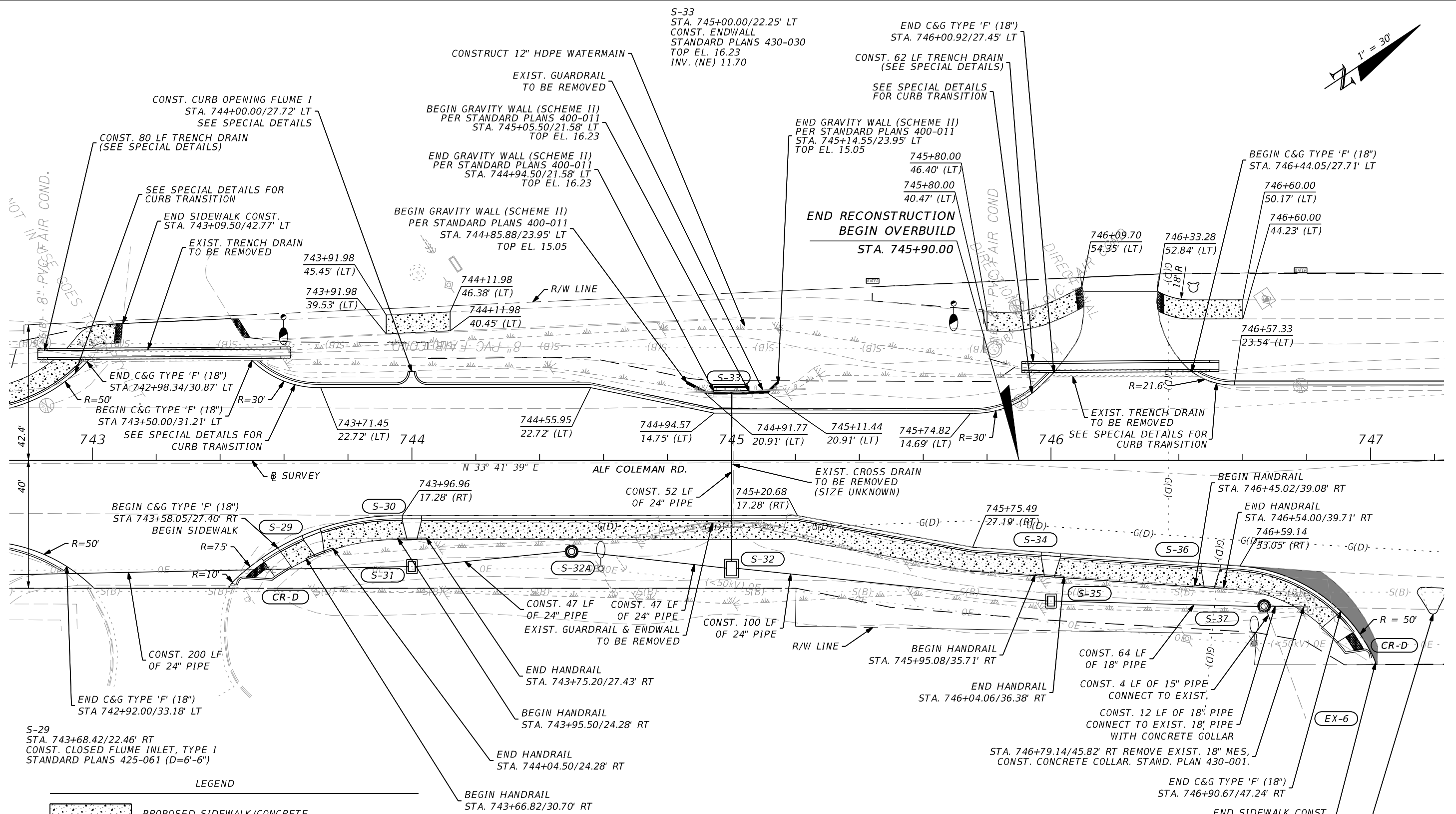
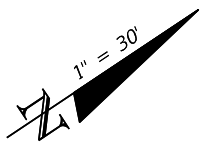
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| | | |
|--|--------|----------------------|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

ROADWAY PLAN (06)

SHEET NO.
27

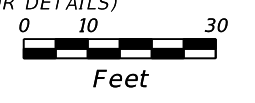
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LEGEND

- PROPOSED SIDEWALK/CONCRETE
- RECONSTRUCT PER PAVEMENT DESIGN IN TYPICAL SECTION 3
- EXISTING WETLAND
- LIMITS OF CONSTRUCTION
- EXIST. DRAINAGE STRUCTURE TO REMAIN

CAUTION
HIGH PRESSURE GAS MAIN
IN AREA OF CONSTRUCTION



| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

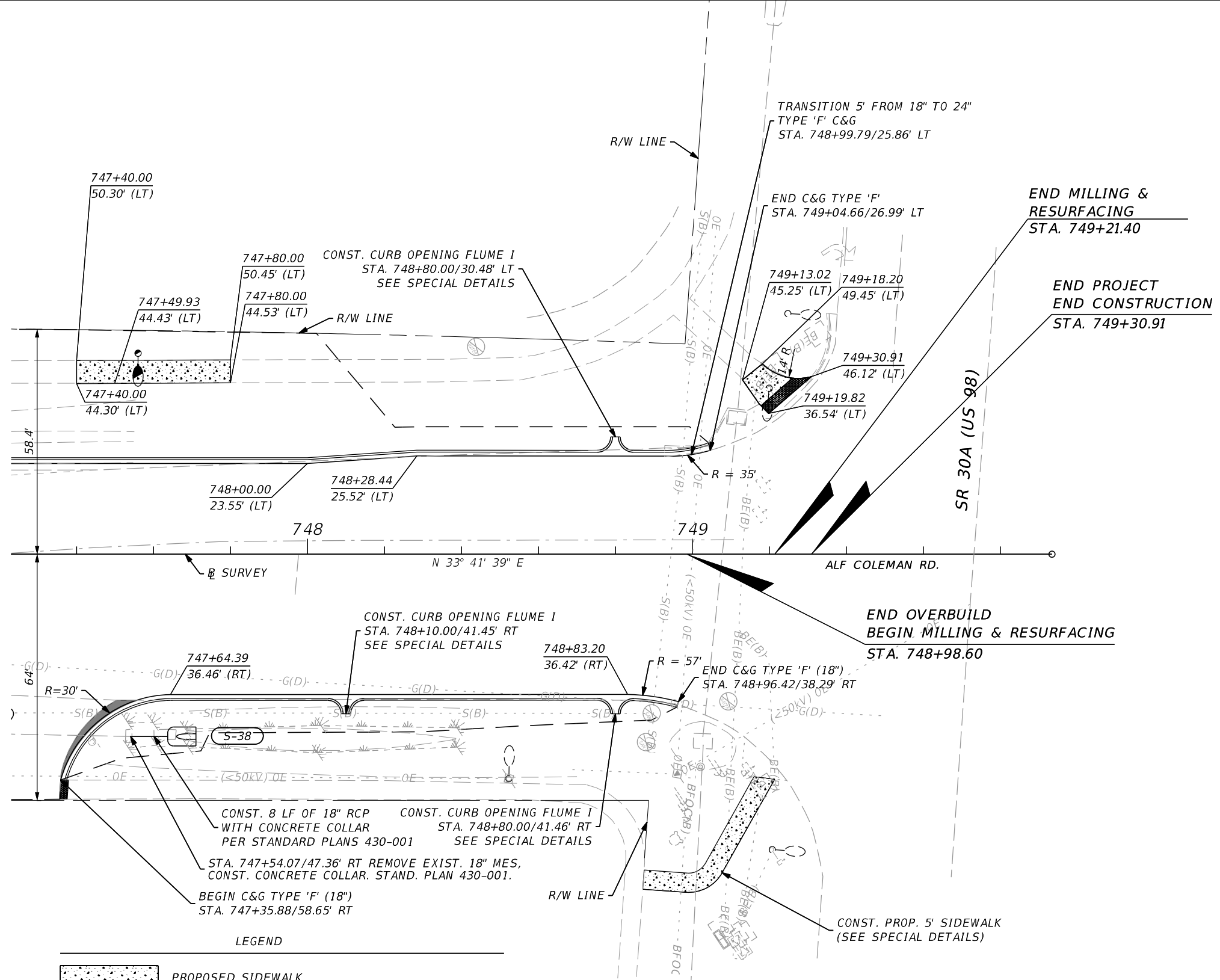
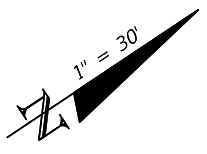
RICKY L. DODD, P.E.
P.E. LICENSE NUMBER 88526
GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DR.
CHIPLEY, FL 32428

| | | |
|--|--------|----------------------|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

ROADWAY PLAN (07)

SHEET NO.
28

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CONST. CURB OPENING FLUME I
STA. 748+10.00/41.45' RT
SEE SPECIAL DETAILS

748+83.20
36.42' (RT)

R = 57'

END C&G TYPE 'F' (18")
STA. 748+96.42/38.29' RT

CONST. CURB OPENING FLUME I
STA. 748+80.00/41.46' RT
SEE SPECIAL DETAILS

CONST. 8 LF OF 18" RCP
WITH CONCRETE COLLAR
PER STANDARD PLANS 430-001

CONST. CURB OPENING FLUME I
STA. 748+80.00/41.46' RT
SEE SPECIAL DETAILS

STA. 747+54.07/47.36' RT REMOVE EXIST. 18" MES,
CONST. CONCRETE COLLAR. STAND. PLAN 430-001.

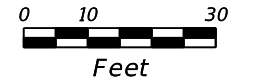
BEGIN C&G TYPE 'F' (18")
STA. 747+35.88/58.65' RT

LEGEND

- PROPOSED SIDEWALK
- RECONSTRUCT PER PAVEMENT DESIGN IN TYPICAL SECTION 3
- EXISTING WETLAND
- LIMITS OF CONSTRUCTION
- EXIST. DRAINAGE STRUCTURE TO REMAIN

S-38
STA. 747+66.00/47.36' RT
CONST. 18" MES (1:4)
STANDARD PLANS 430-022
INV. (NE) 12.25

CAUTION
HIGH PRESSURE GAS MAIN
IN AREA OF CONSTRUCTION



| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

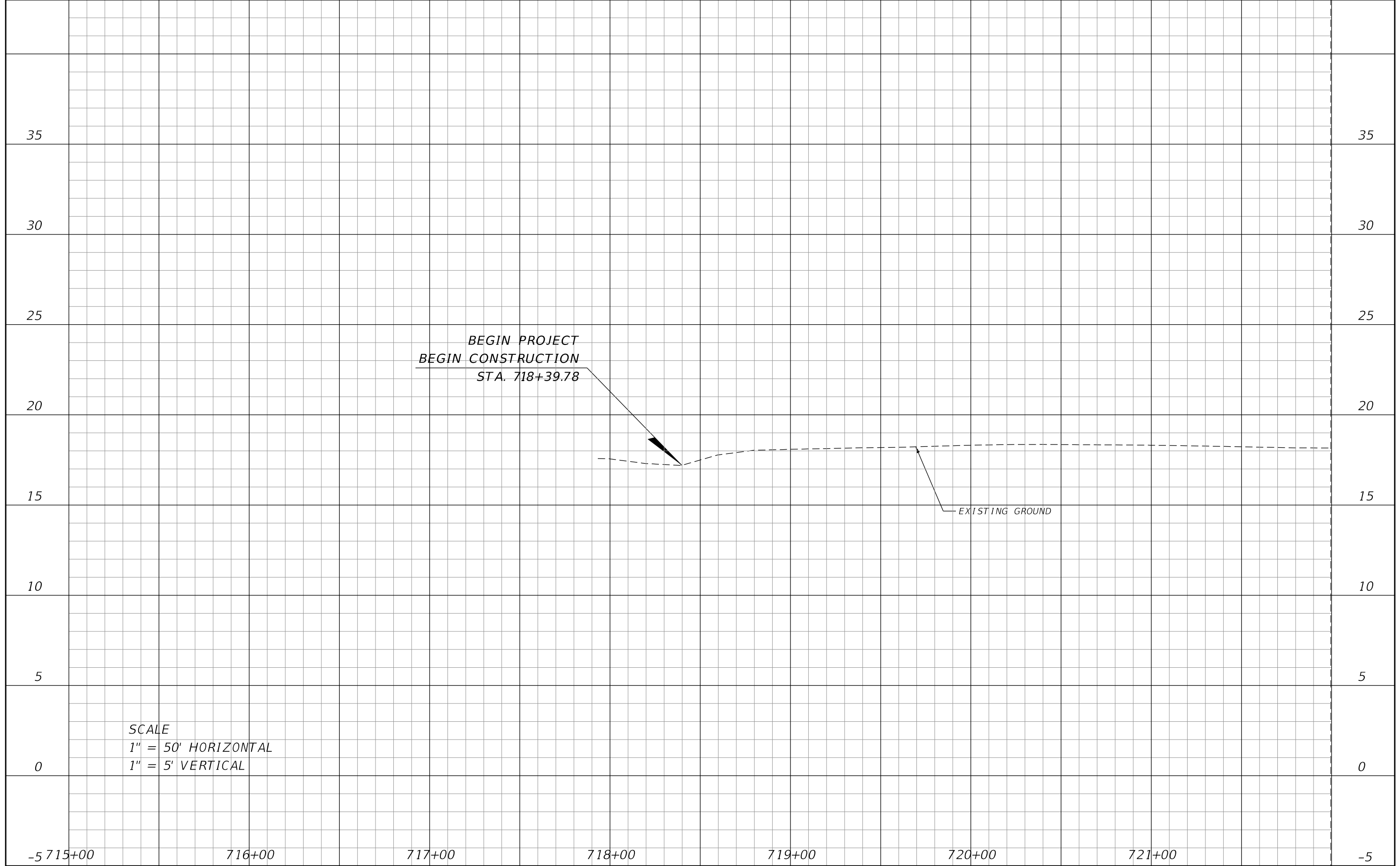
RICKY L. DODD, P.E.
P.E. LICENSE NUMBER 88526
GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DR.
CHIPLEY, FL 32428

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|--|--------|----------------------|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

ROADWAY PLAN (08)

SHEET NO.
29

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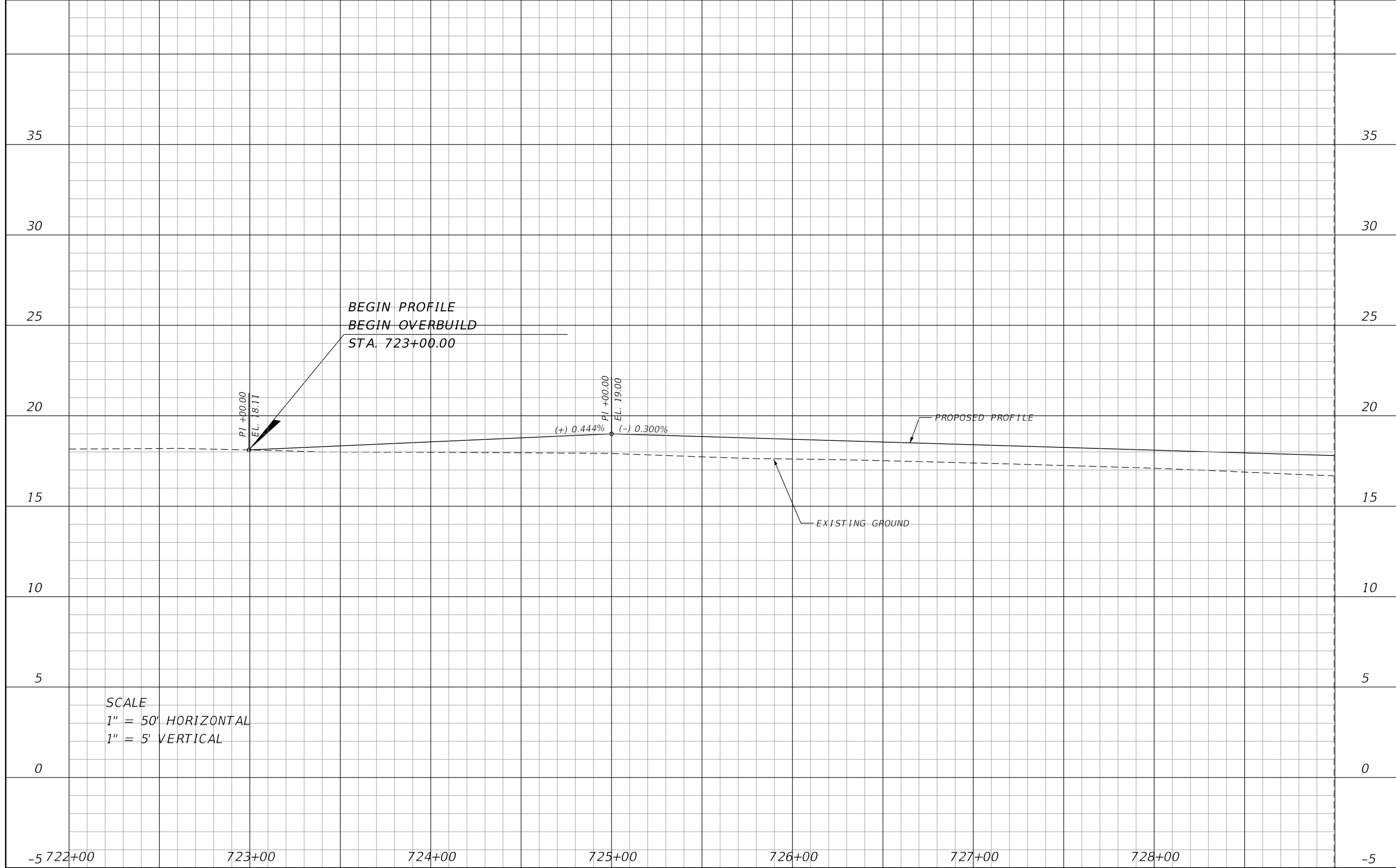
SCALE
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

BEGIN PROJECT
 BEGIN CONSTRUCTION
 STA. 718+39.78

EXISTING GROUND

| <table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table> | | | | REVISIONS | | DATE | DESCRIPTION | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | ROADWAY PROFILE | SHEET NO. 30 |
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| DATE | DESCRIPTION | | | | | | | | | | | | | | |
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| | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | | | | | | | | | | |
| | | N/A | BAY | 441742-2-58-01 | | | | | | | | | | | |

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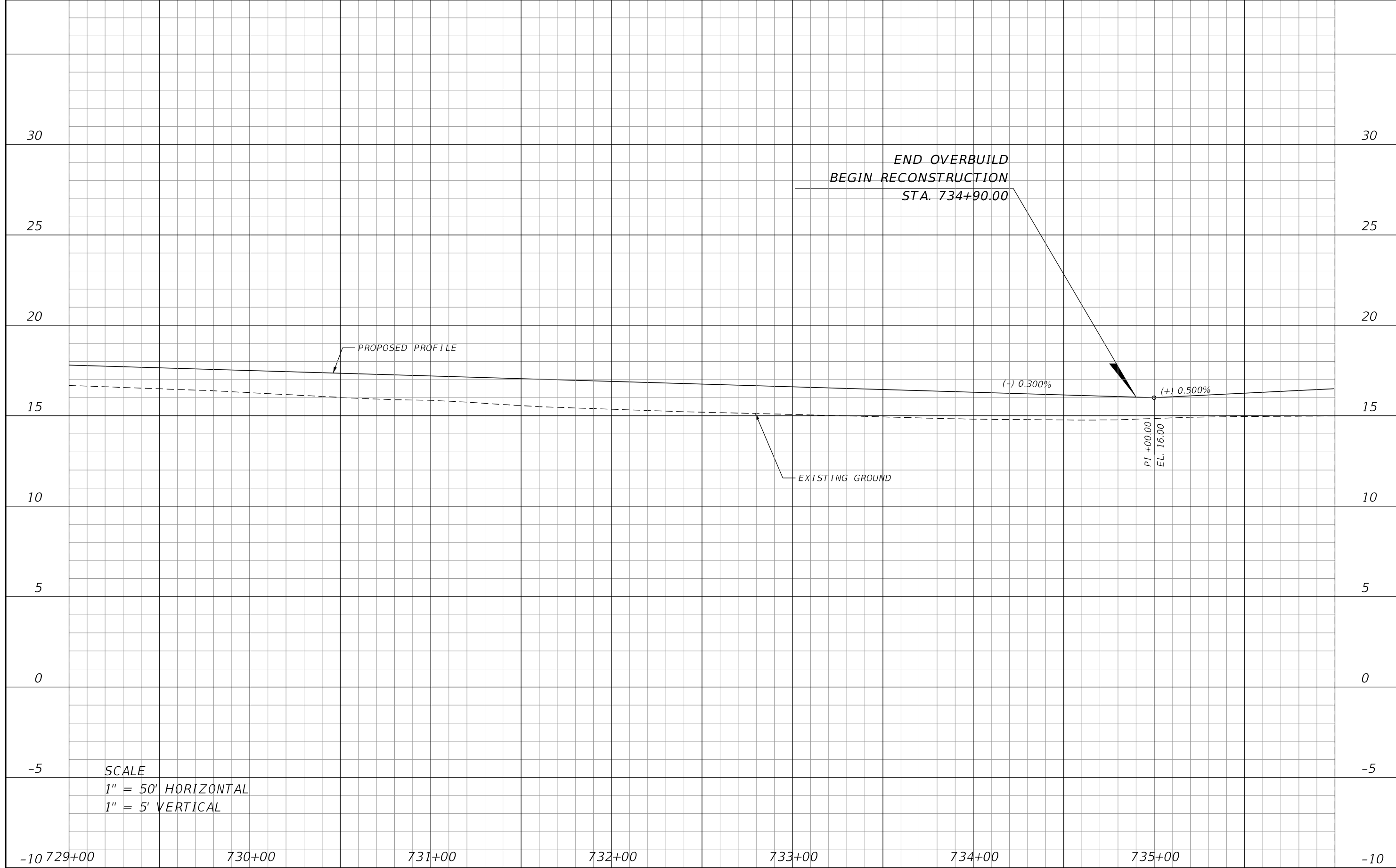
RICKY L. DODD, P.E.
P.E. LICENSE NUMBER 88526
GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DR.
CHIPLEY, FL 32428

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| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

ROADWAY PROFILE

SHEET NO.
31

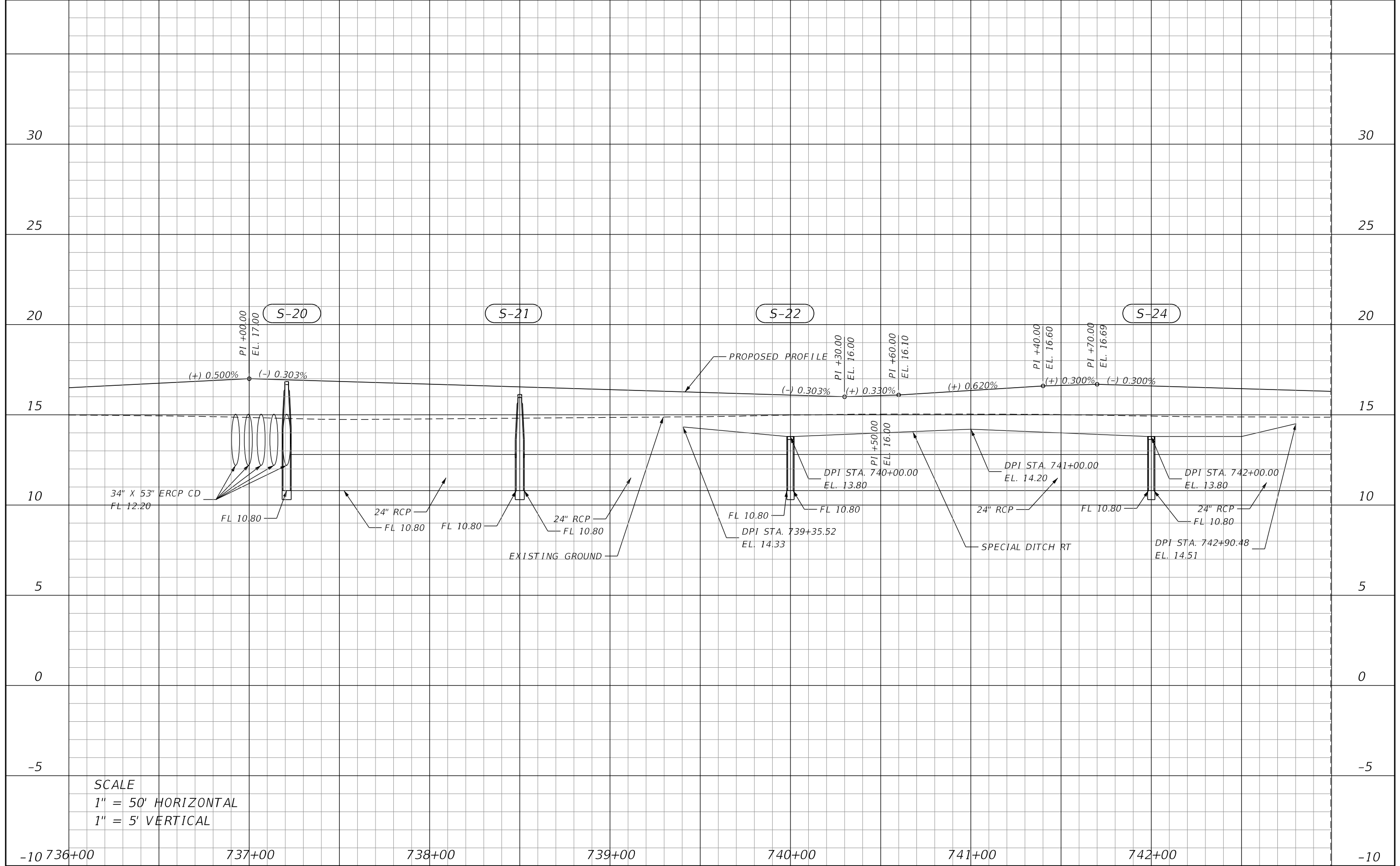
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SCALE
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

| <table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table> | | | | REVISIONS | | DATE | DESCRIPTION | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | ROADWAY PROFILE | SHEET NO. 32 |
|--|-------------|---|----------|-----------|----------------------|------|-------------|----------------|--|--|--|--|--|------------------------|-----------------|
| REVISIONS | | | | | | | | | | | | | | | |
| DATE | DESCRIPTION | | | | | | | | | | | | | | |
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| ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | | | | | | | | | | | | |
| N/A | BAY | 441742-2-58-01 | | | | | | | | | | | | | |
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SCALE
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 1" = 5' VERTICAL

| REVISIONS | | | |
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| DATE | DESCRIPTION | DATE | DESCRIPTION |
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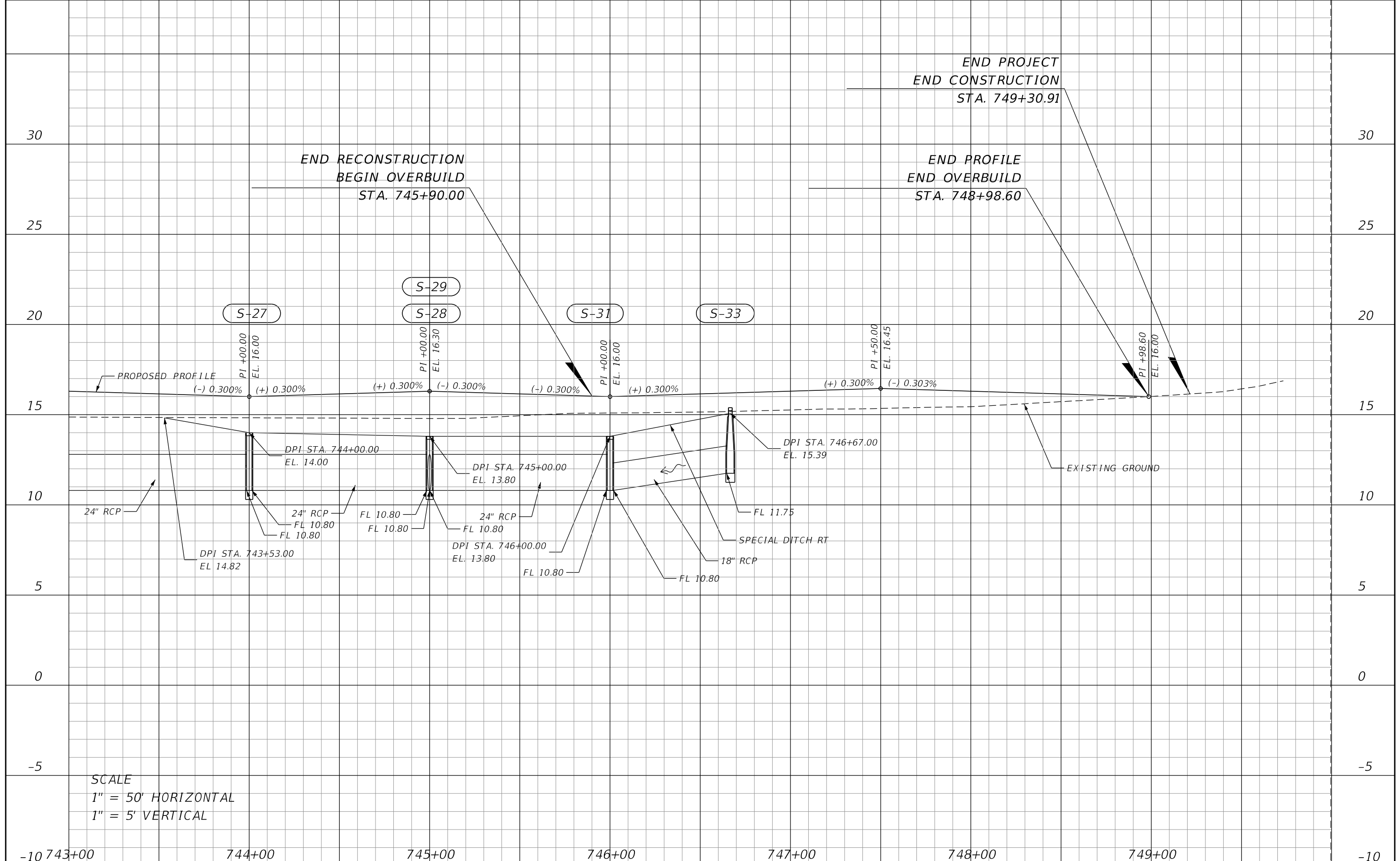
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| | | |
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| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

ROADWAY PROFILE

SHEET NO.
33

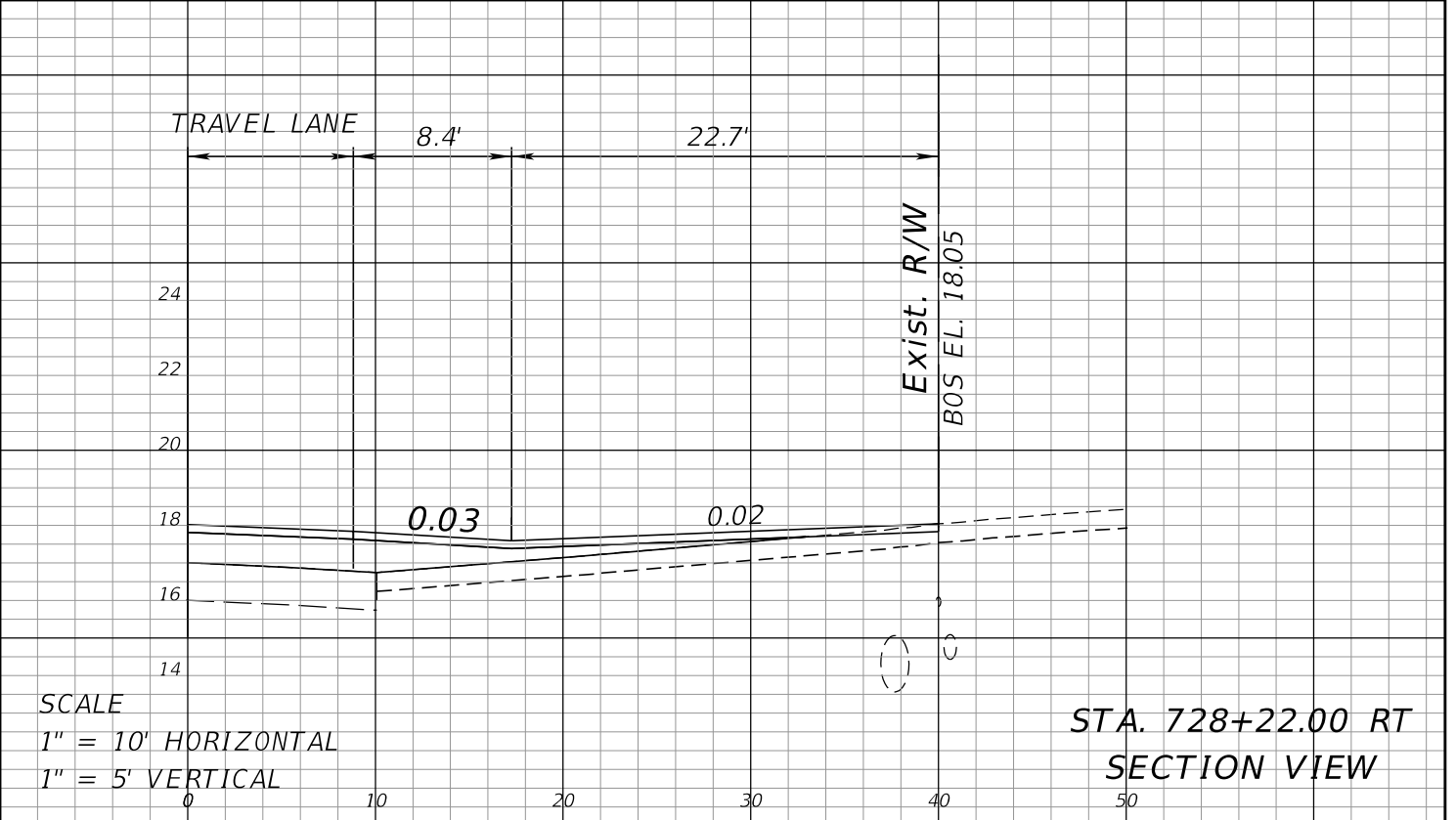
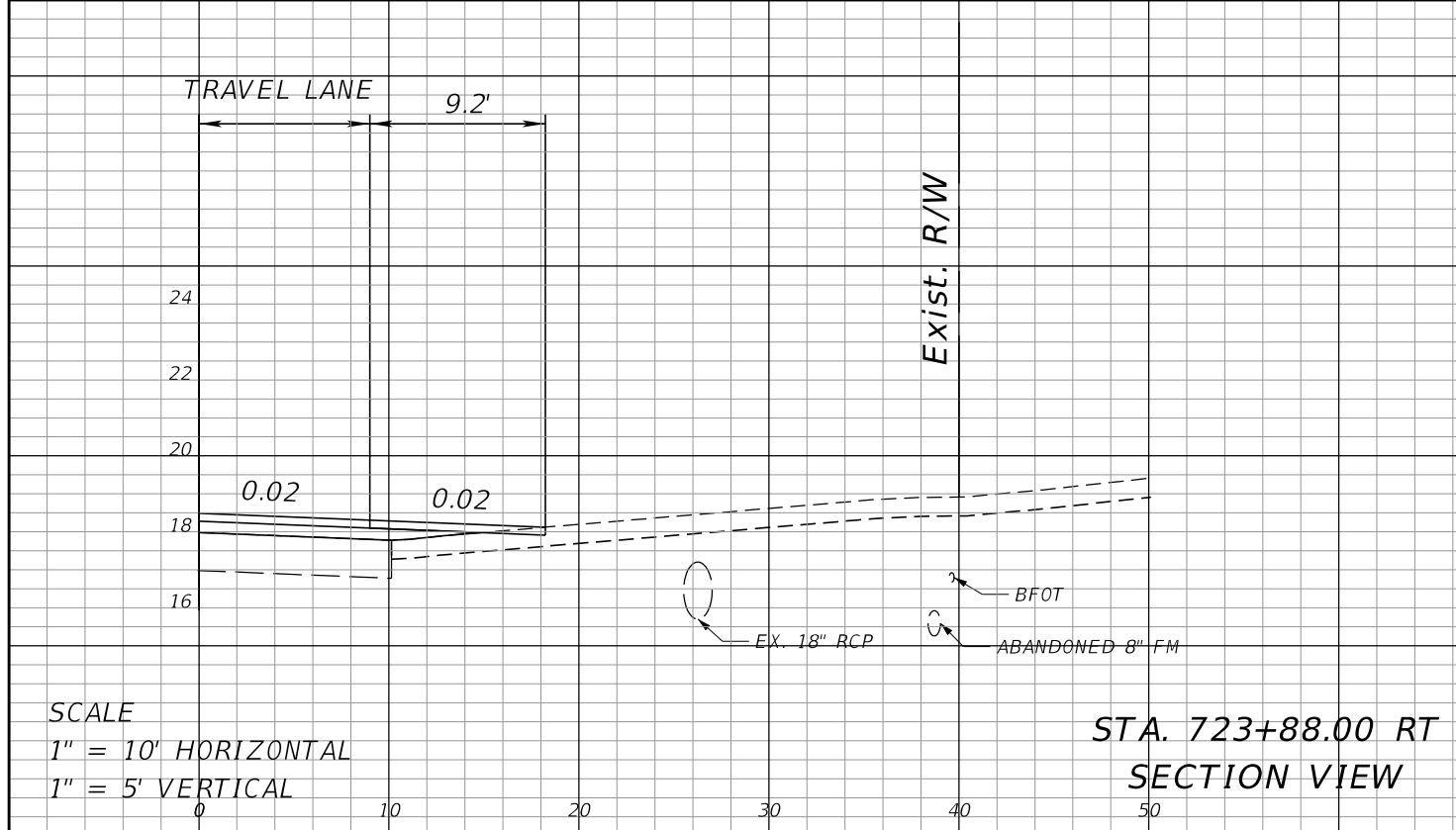
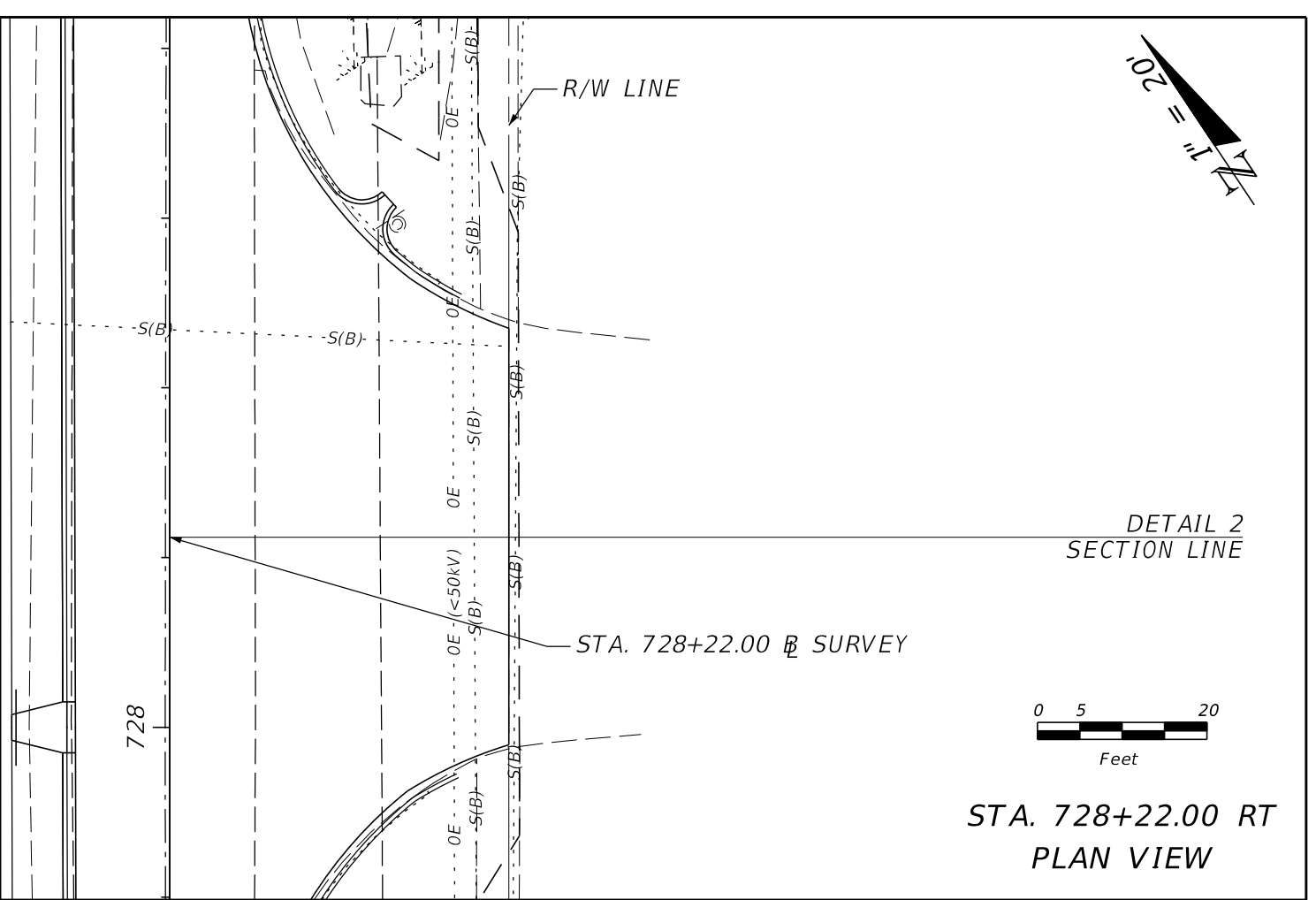
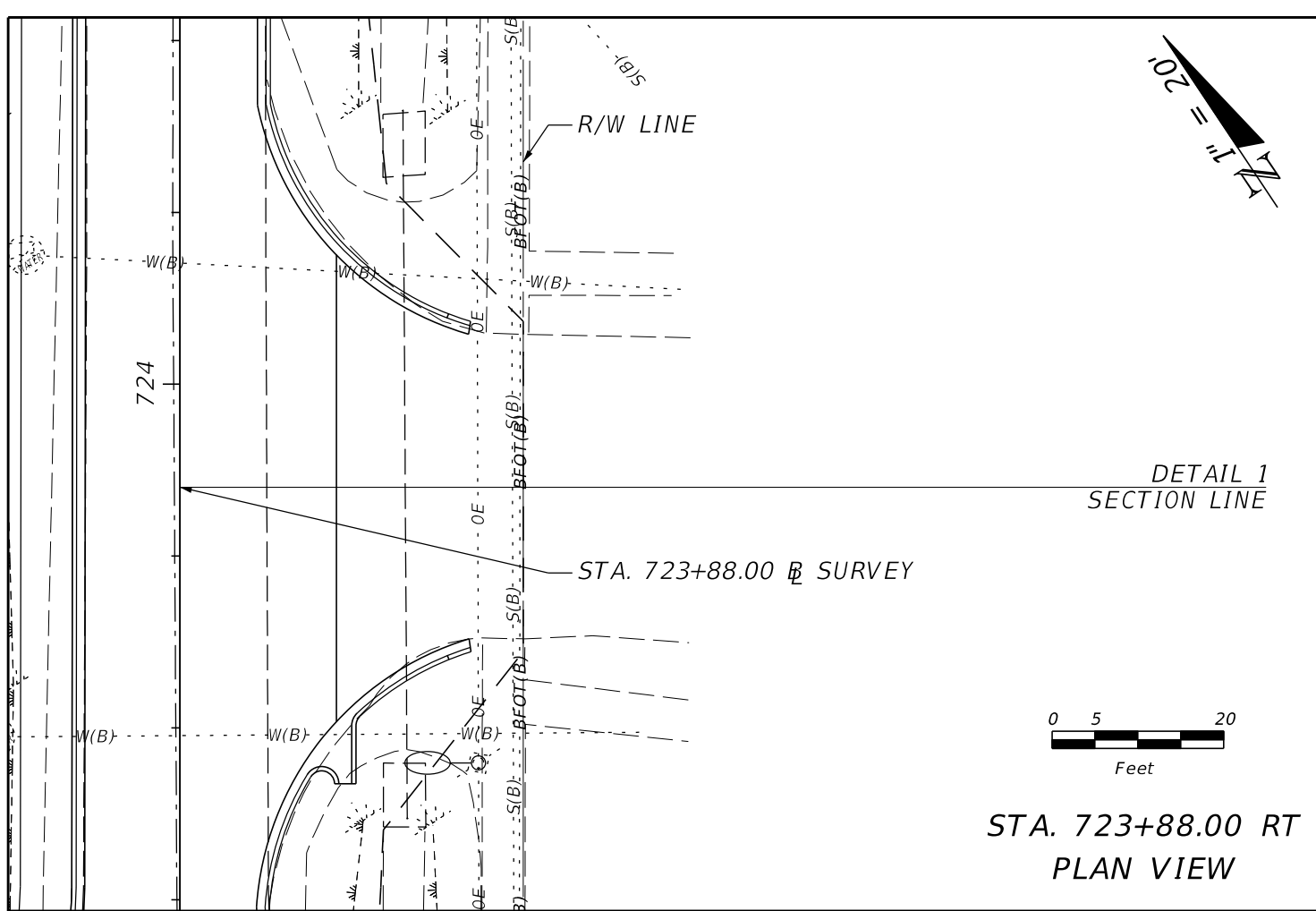
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SCALE
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

| | | | | | | | | | |
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| REVISIONS DATE DESCRIPTION DATE DESCRIPTION | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | ROADWAY PROFILE | SHEET NO. 34 |
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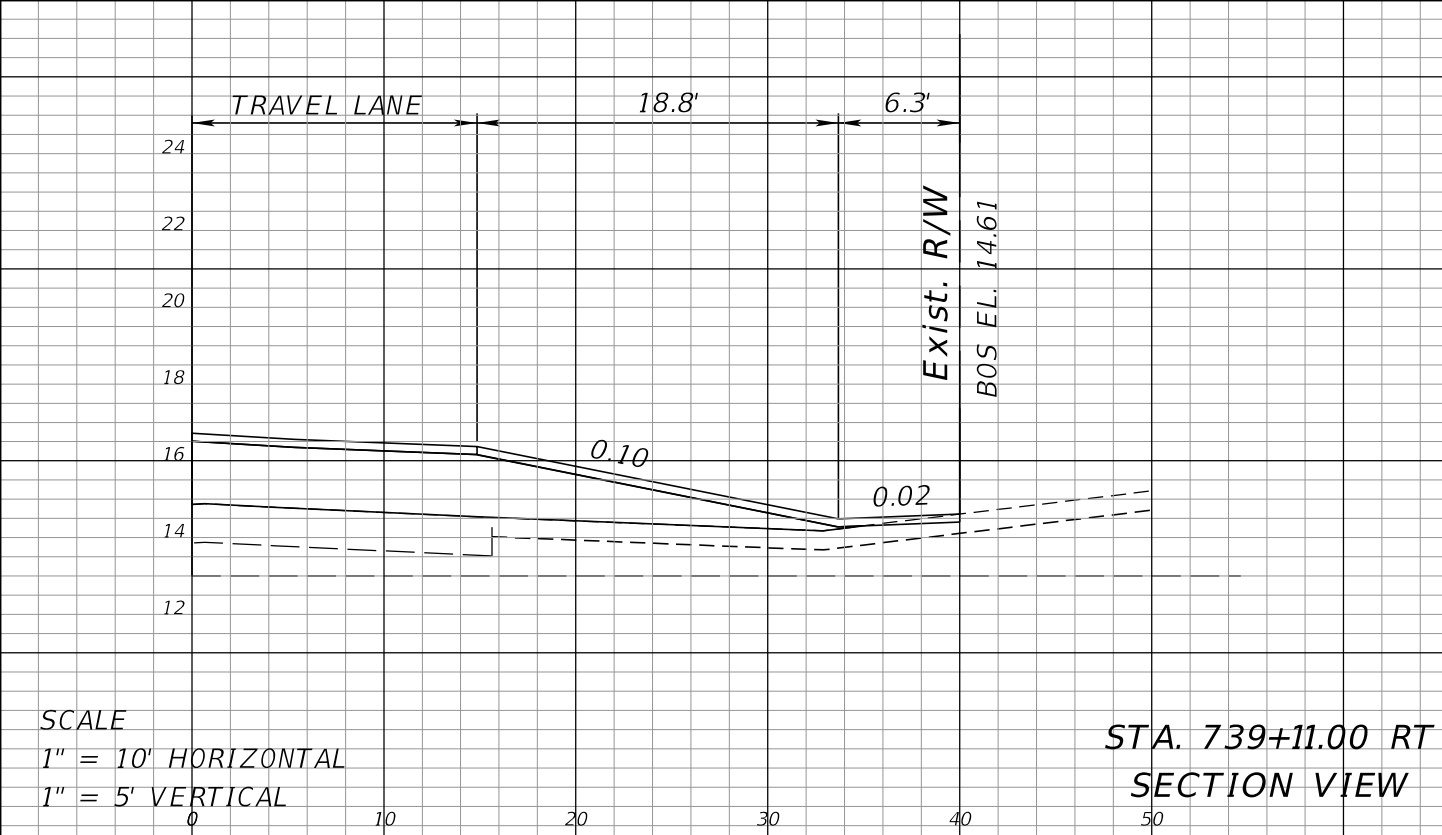
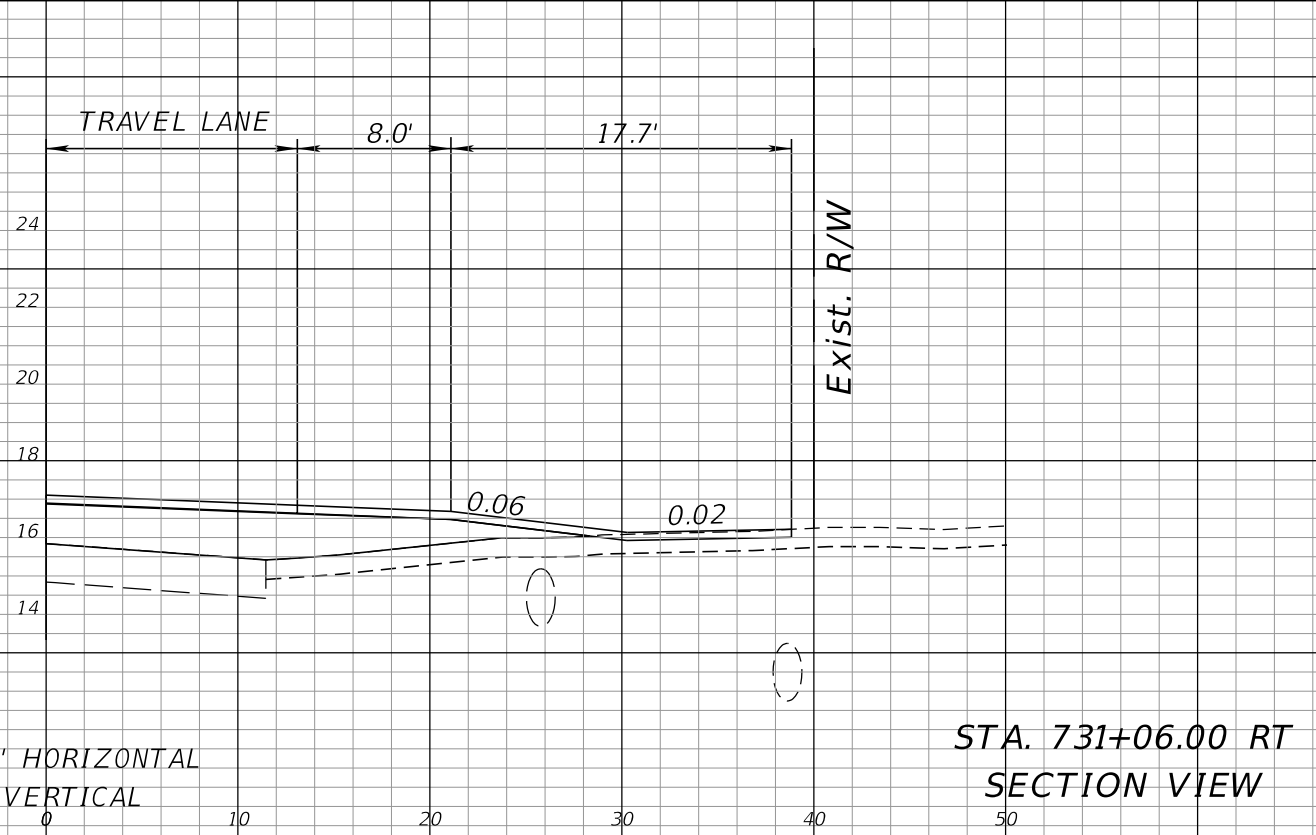
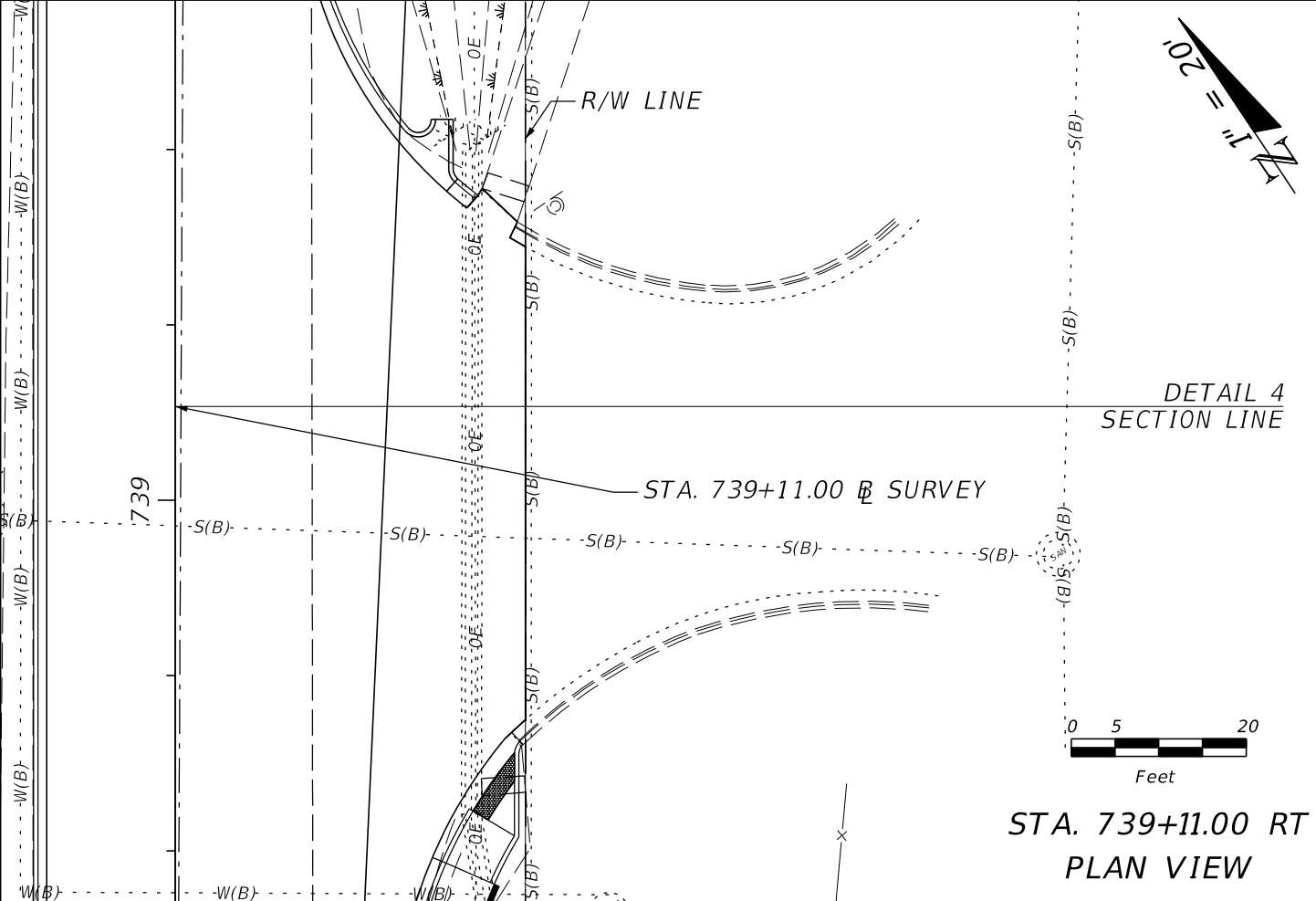
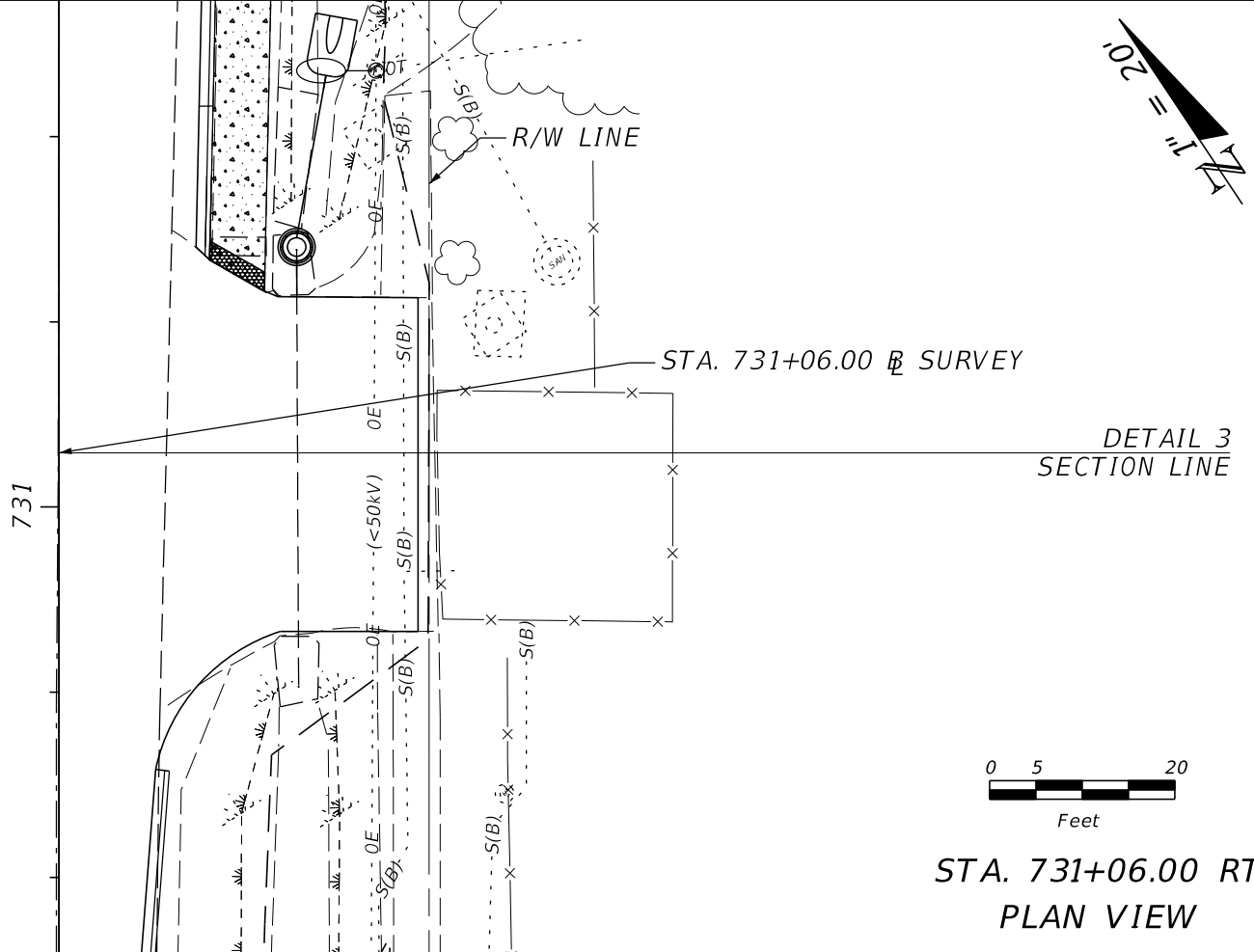
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



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|-----------|-------------|------|-------------|--|--|--------|----------------------|------------------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | |
| | | | | | N/A | BAY | 441742-2-58-01 | |

DRIVEWAY PLAN AND PROFILE

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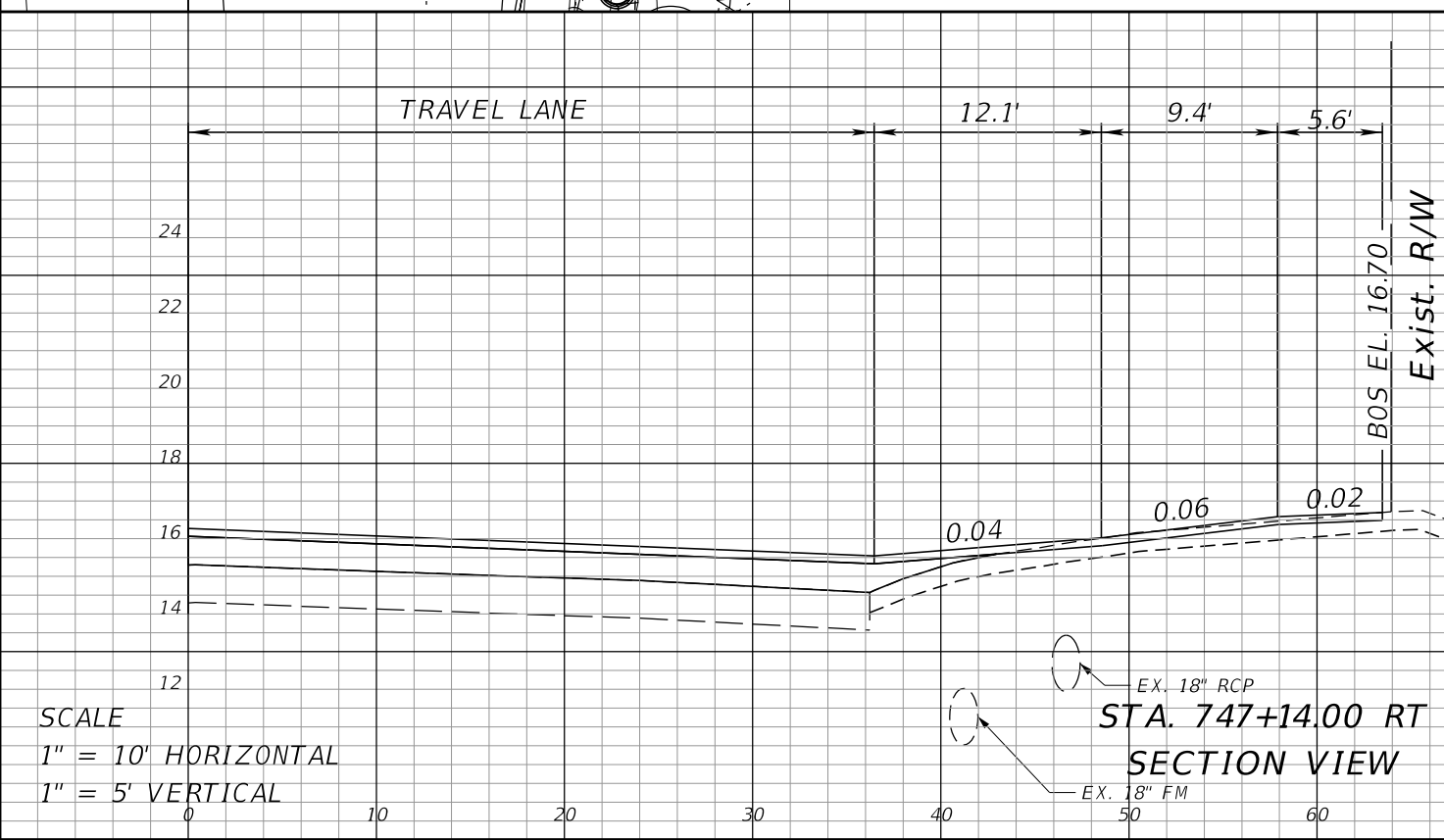
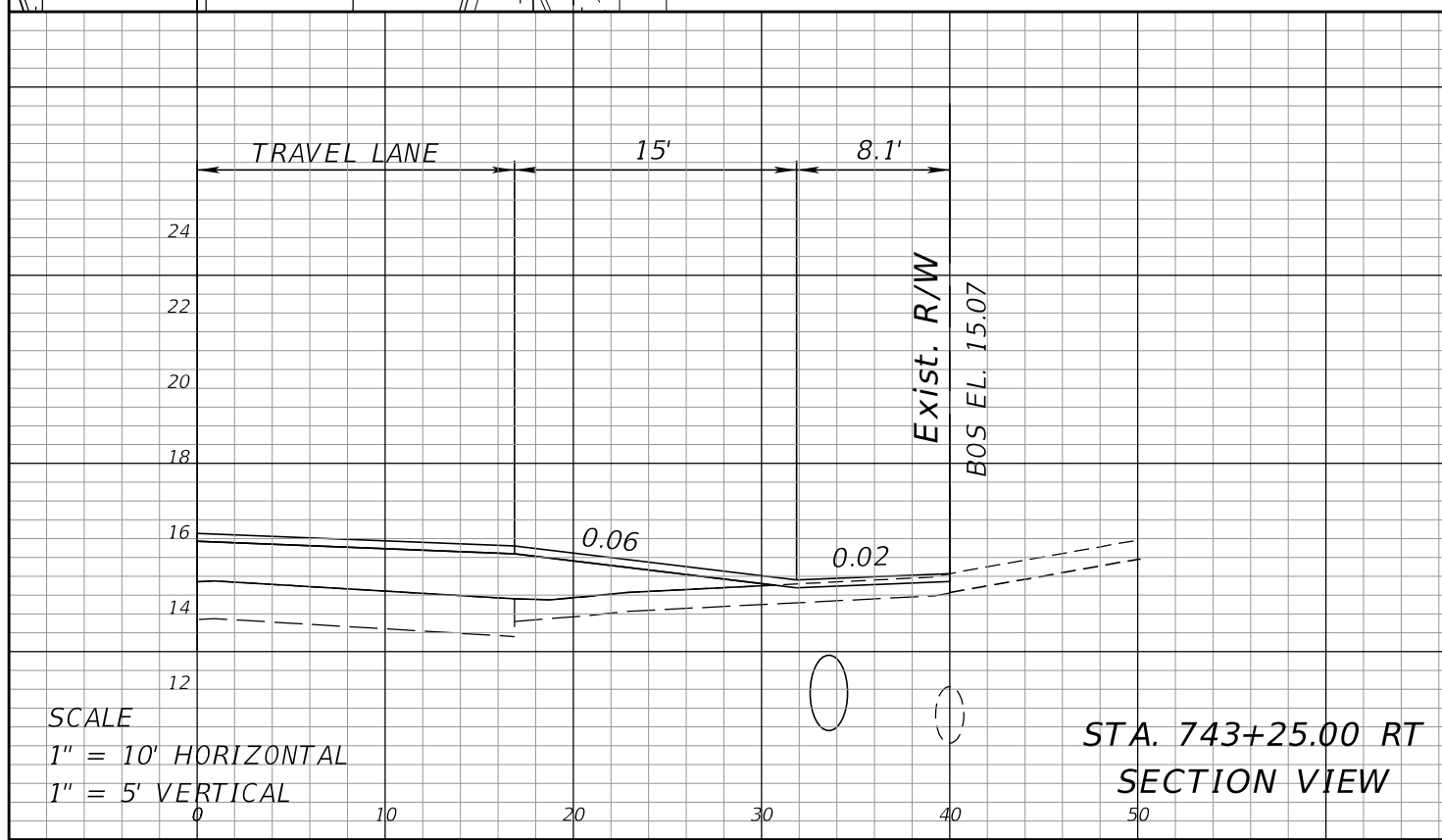
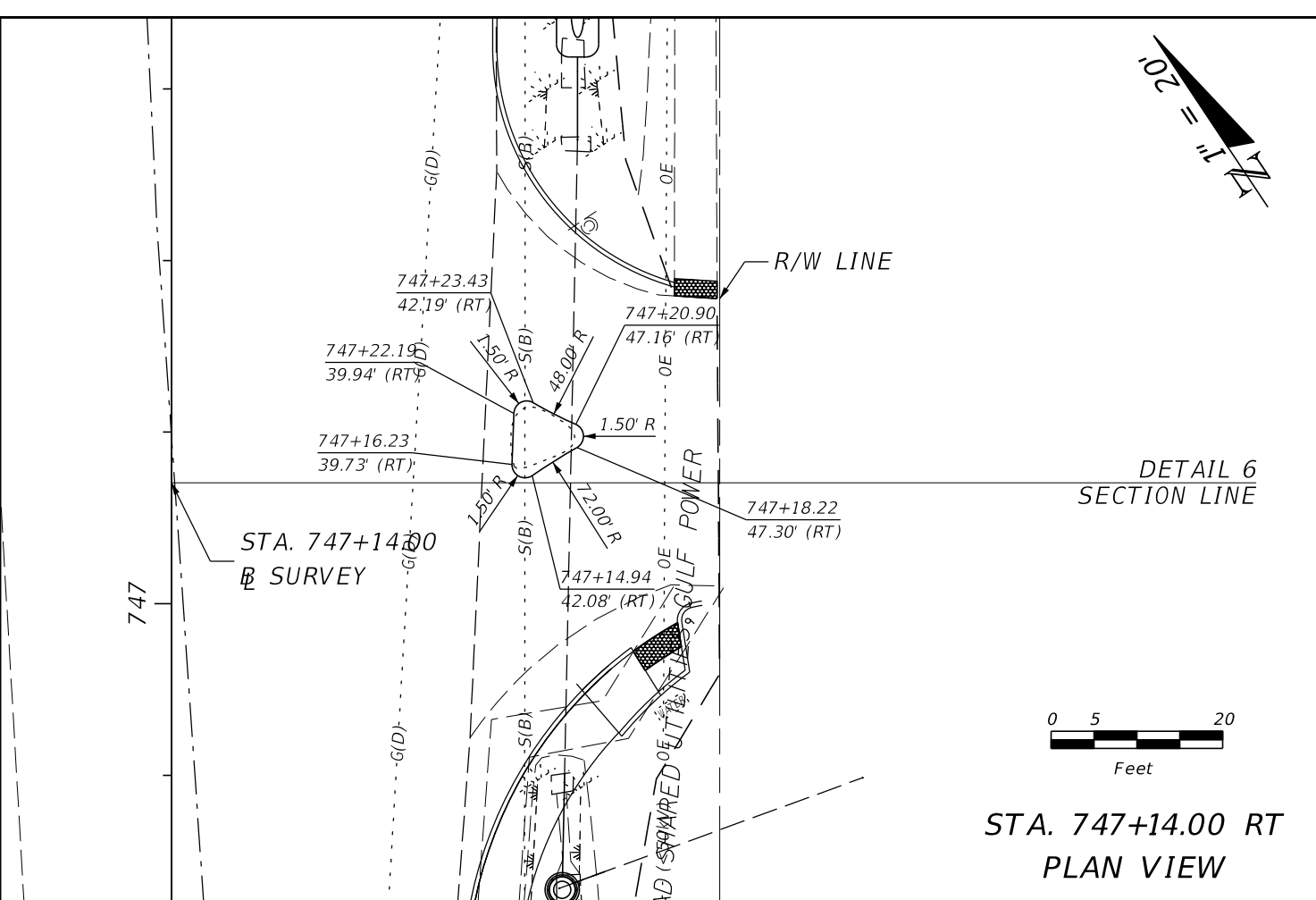
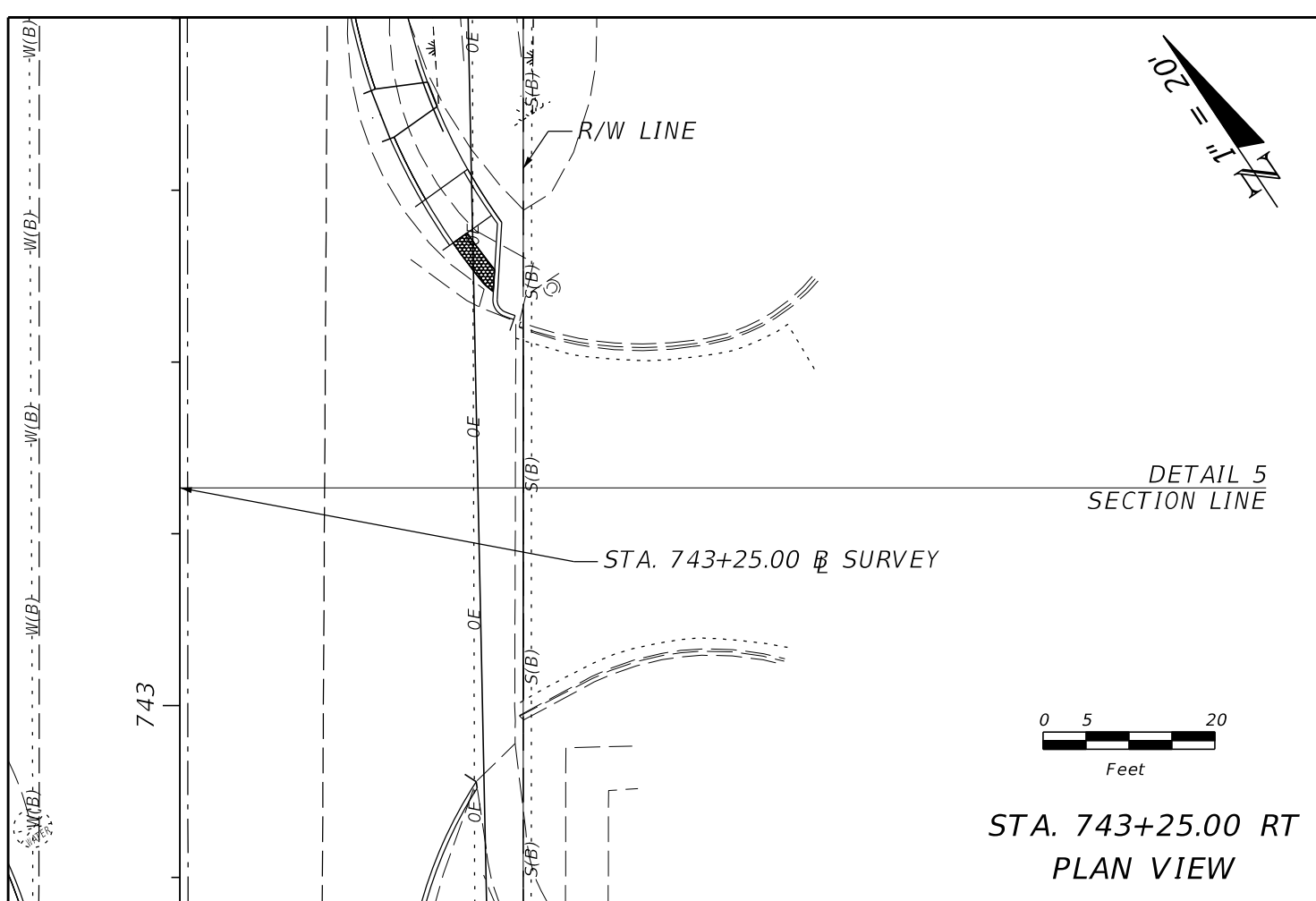
RICKY L. DODD, P.E.
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GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DR.
CHIPLEY, FL 32428

| | | |
|--|--------|----------------------|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

DRIVEWAY PLAN AND PROFILE

SHEET NO.
36

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| REVISIONS | | | |
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| DATE | DESCRIPTION | DATE | DESCRIPTION |
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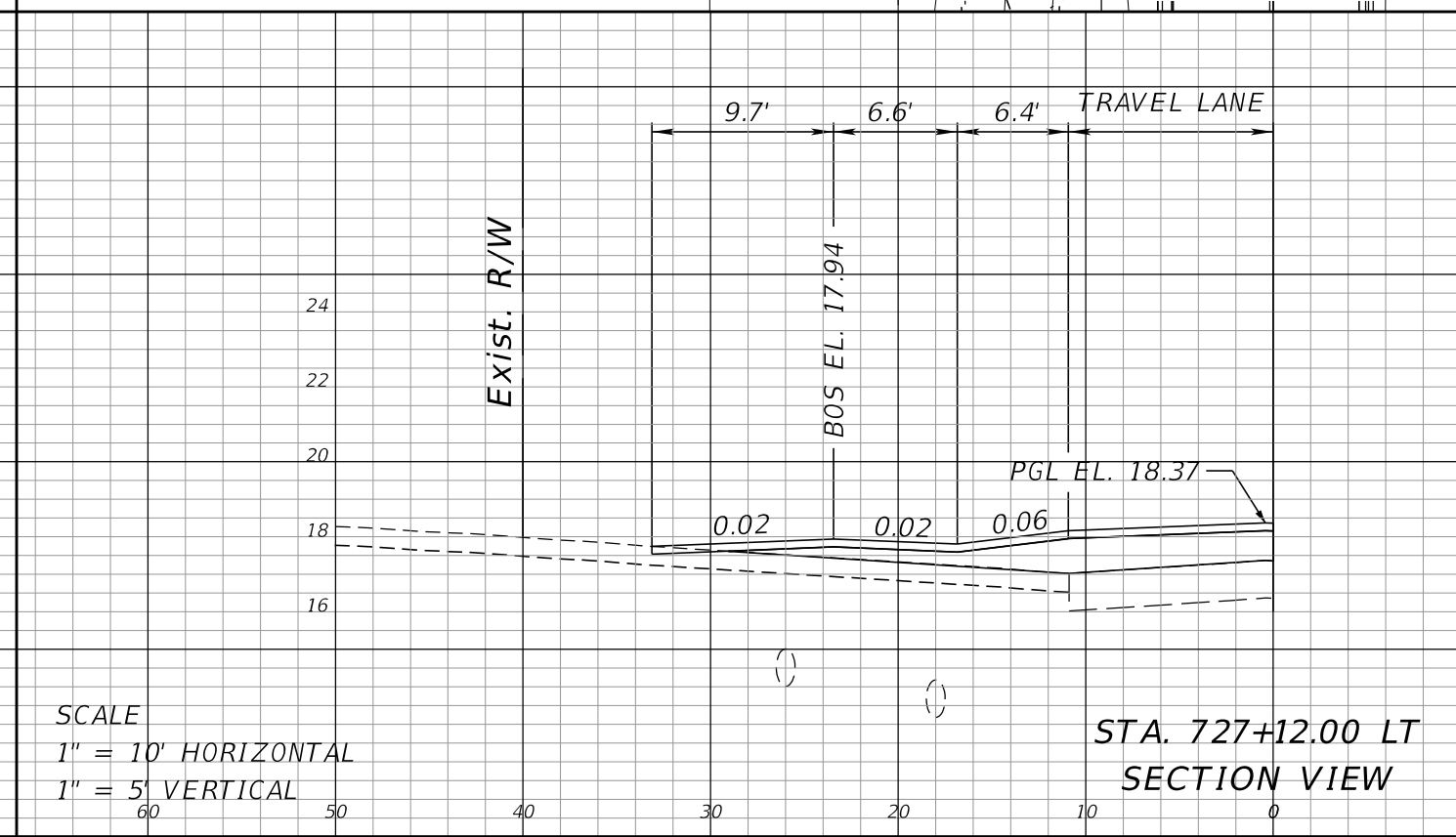
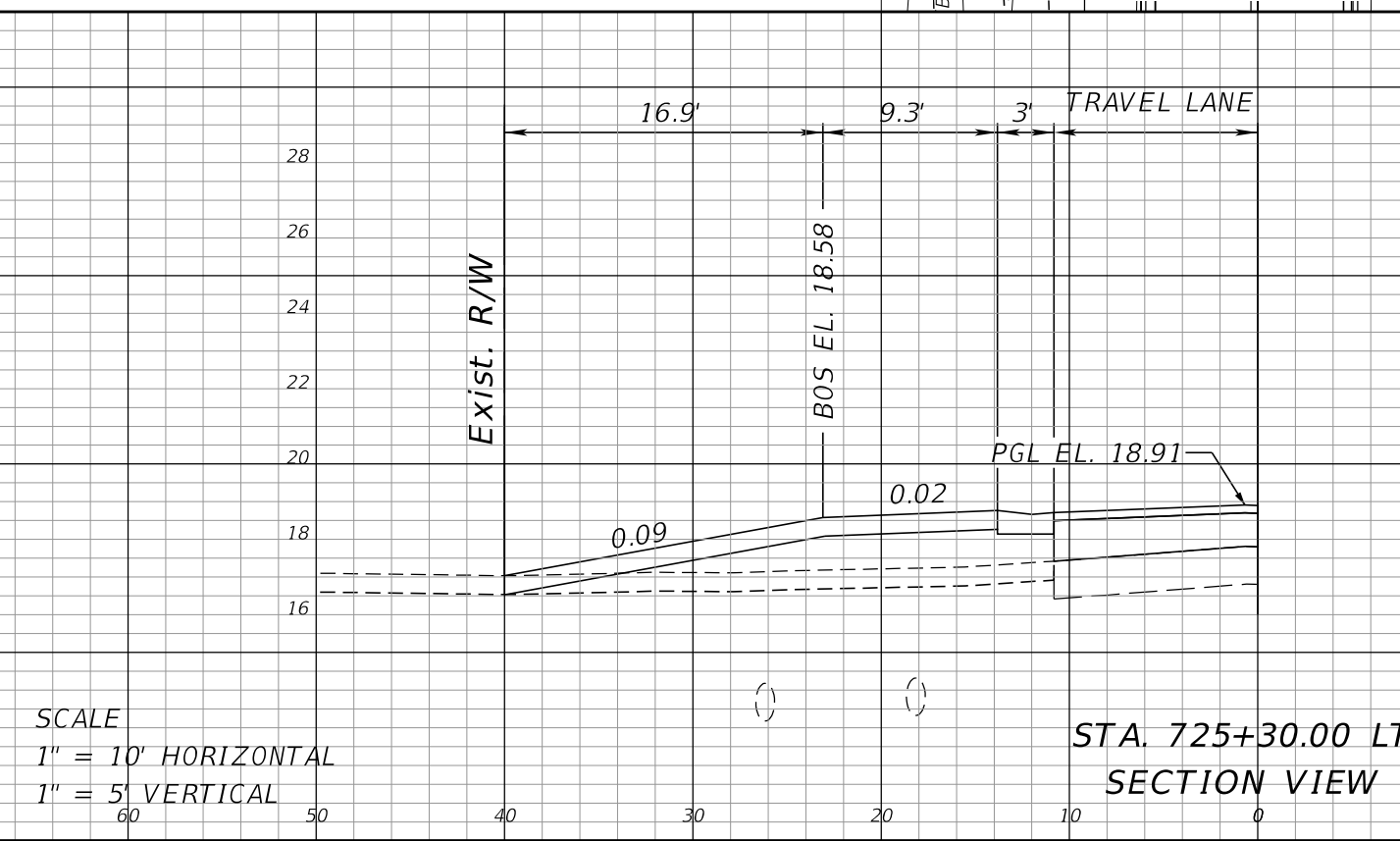
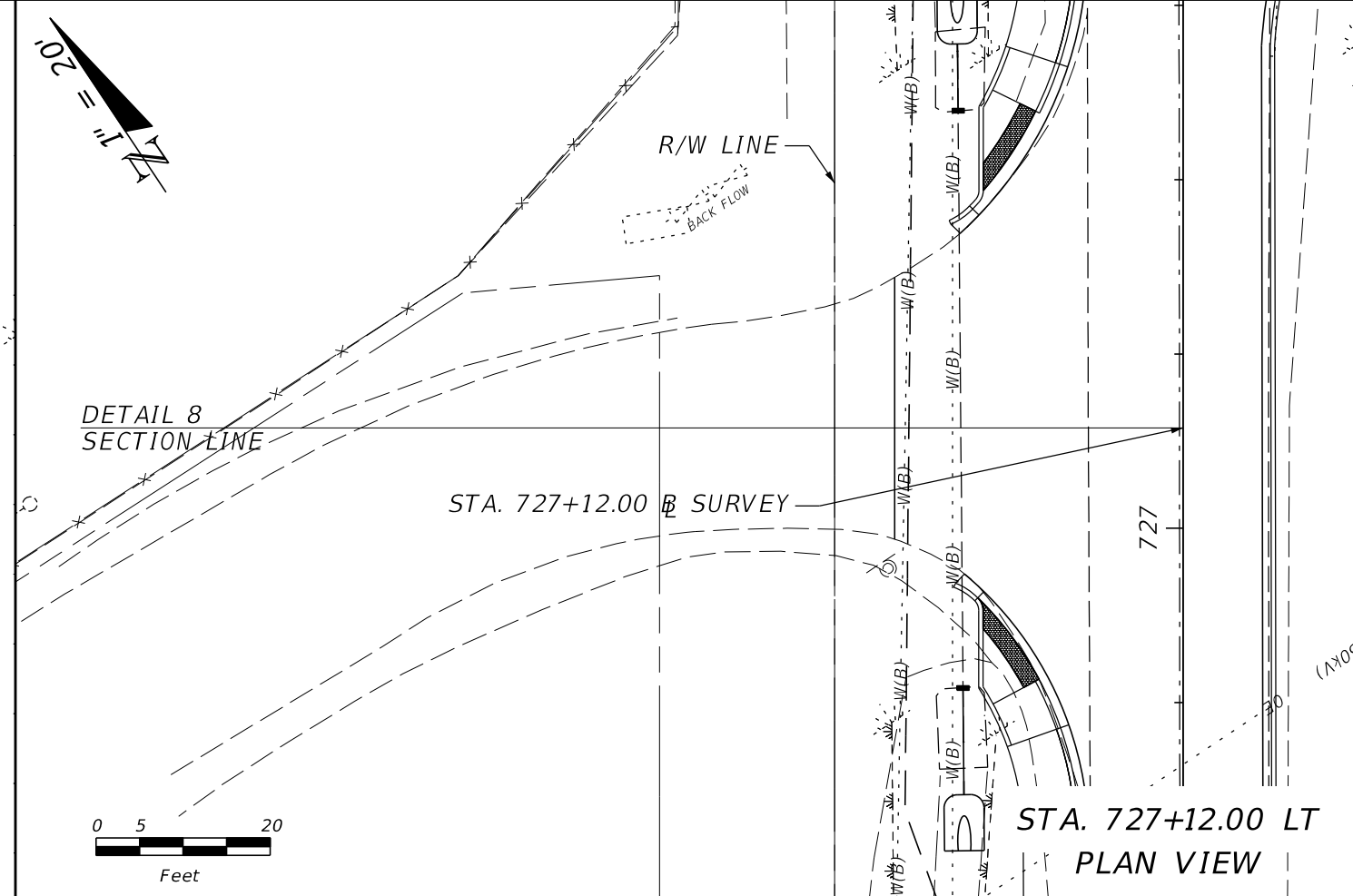
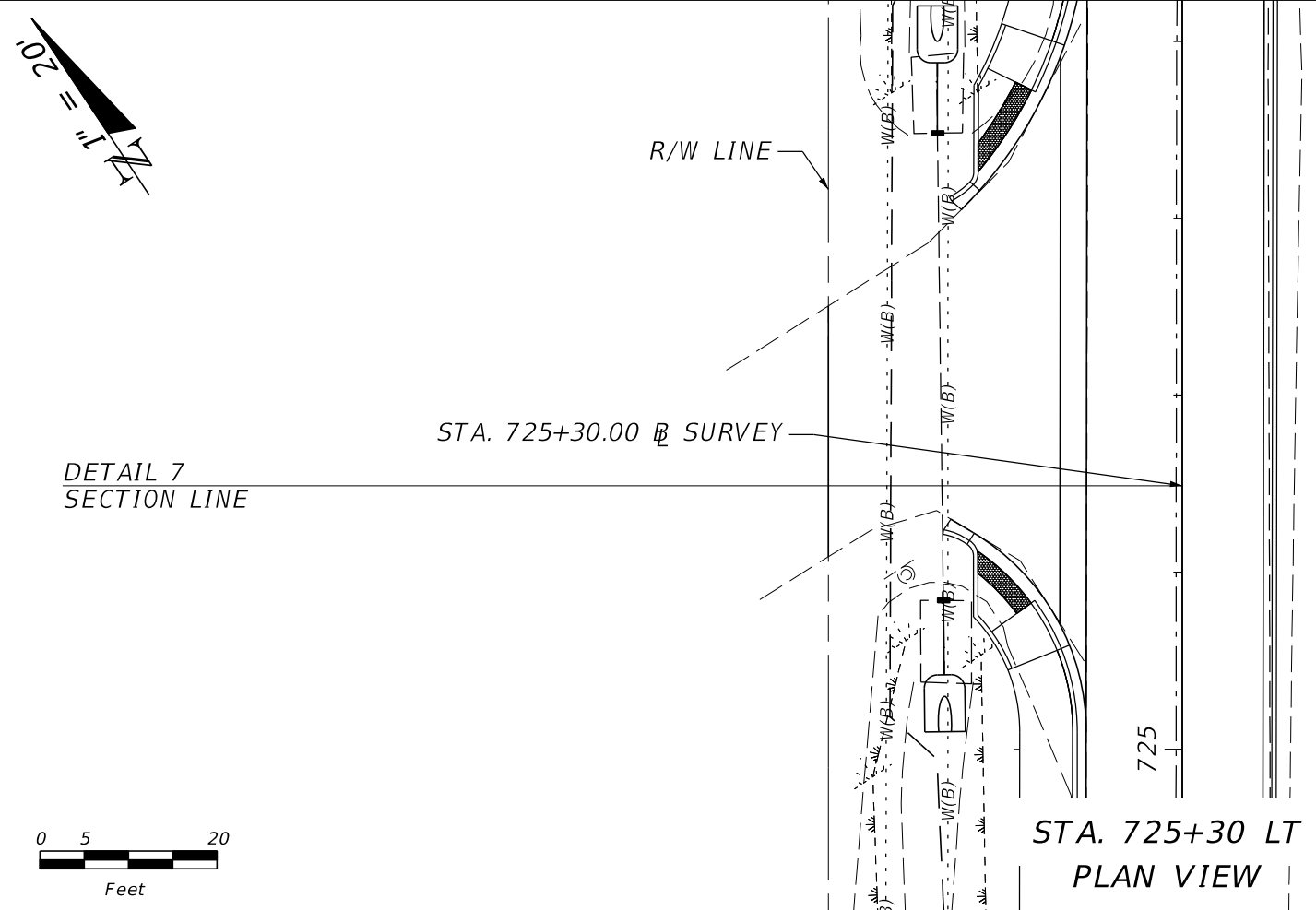
RICKY L. DODD, P.E.
P.E. LICENSE NUMBER 88526
GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DR.
CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

DRIVEWAY PLAN AND PROFILE

SHEET NO.
37

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| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
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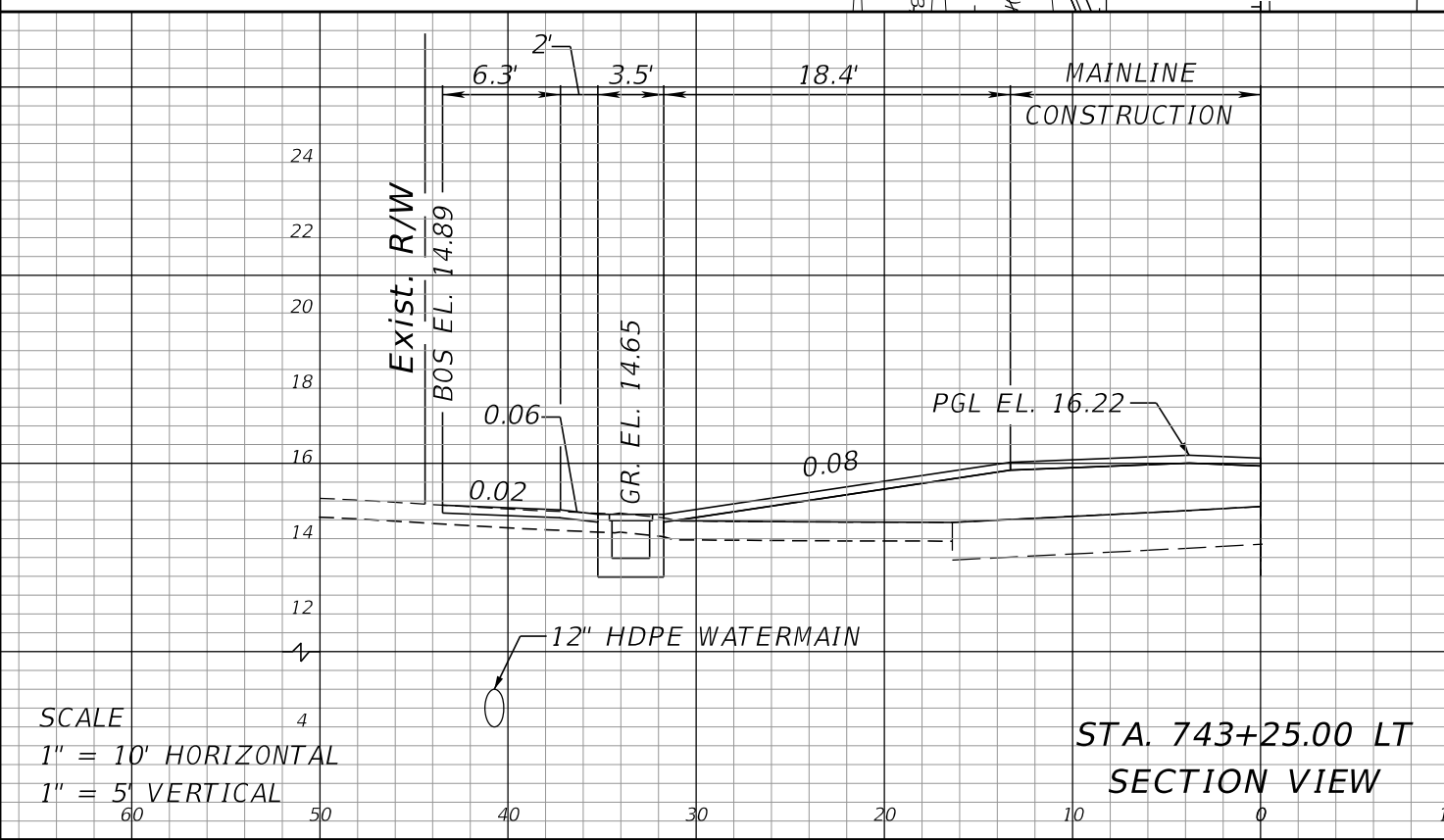
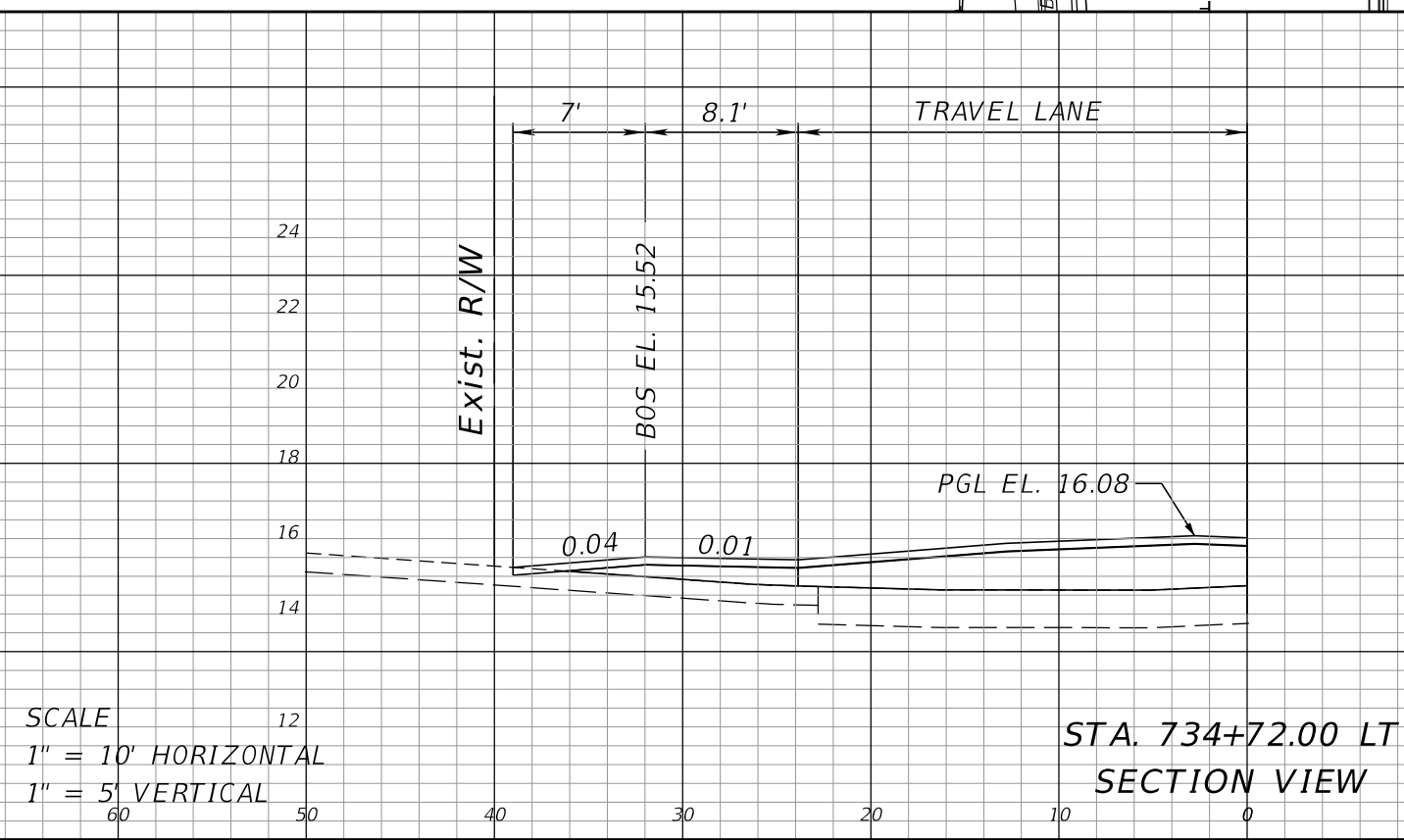
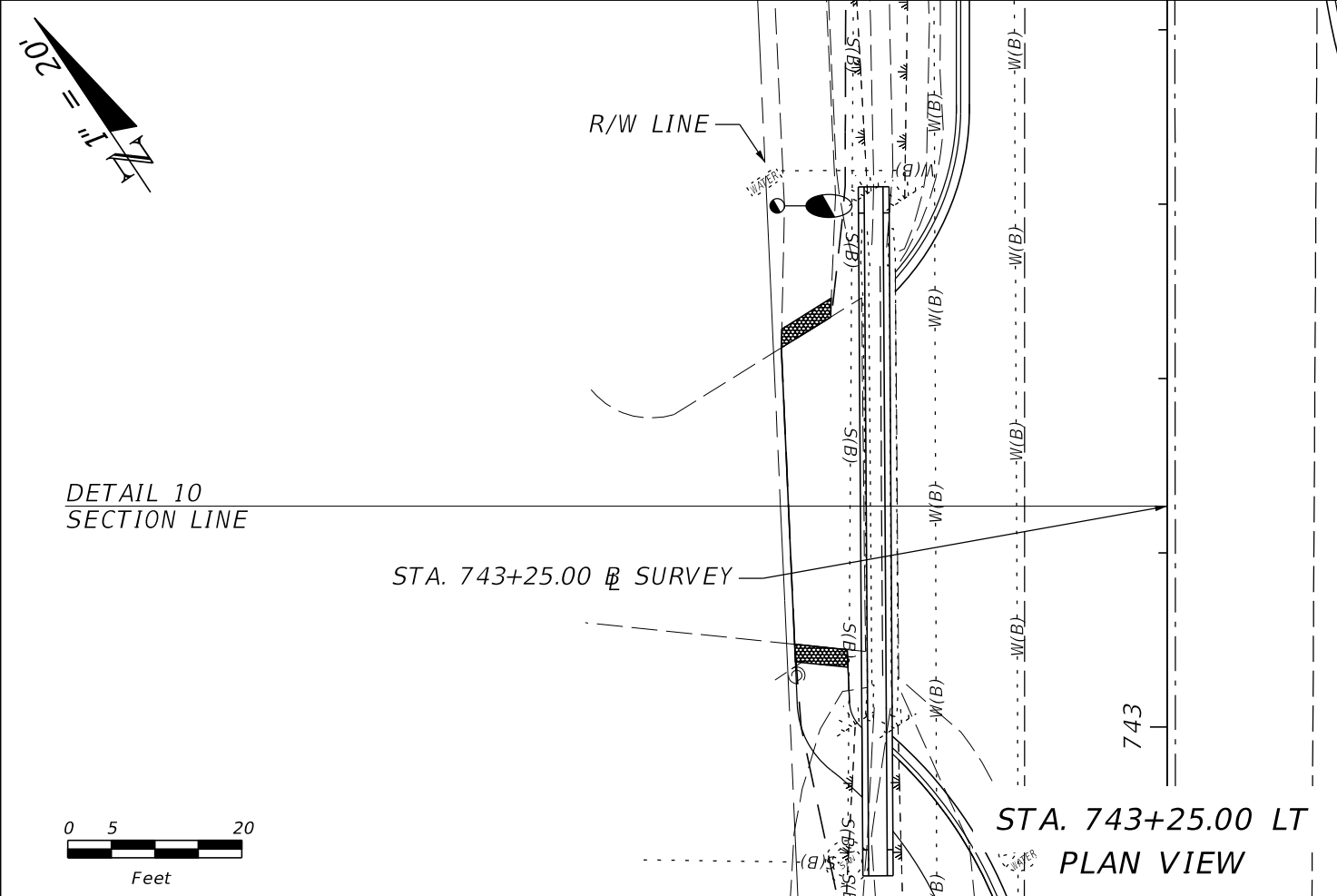
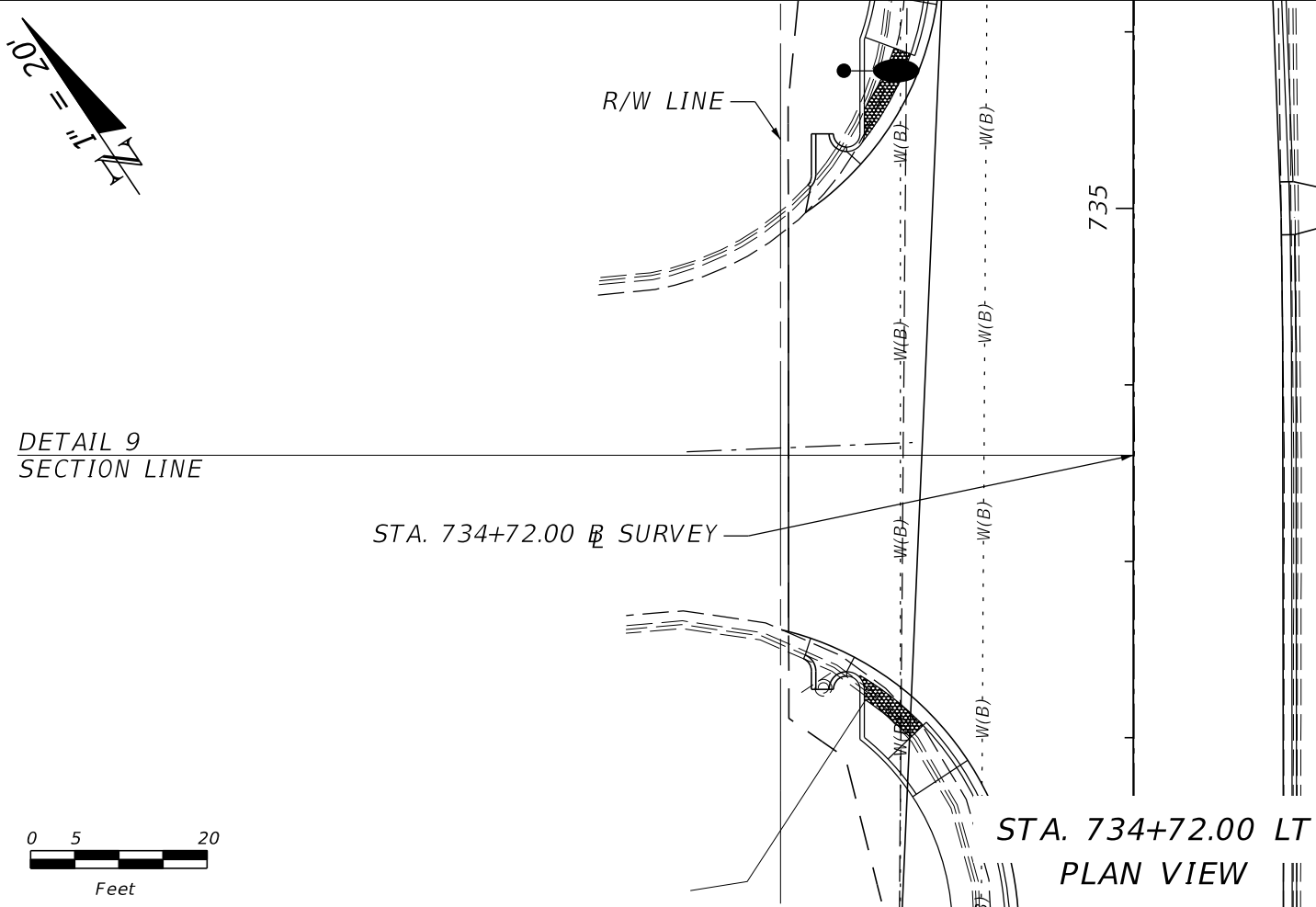
RICKY L. DODD, P.E.
P.E. LICENSE NUMBER 88526
GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DR.
CHIPLEY, FL 32428

| | | |
|--|--------|----------------------|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

DRIVEWAY PLAN AND PROFILE

SHEET NO.
38

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|-----------|-------------|------|-------------|--|--|--------|----------------------|------------------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | |
| | | | | | N/A | BAY | 441742-2-58-01 | |

DRIVEWAY PLAN AND PROFILE

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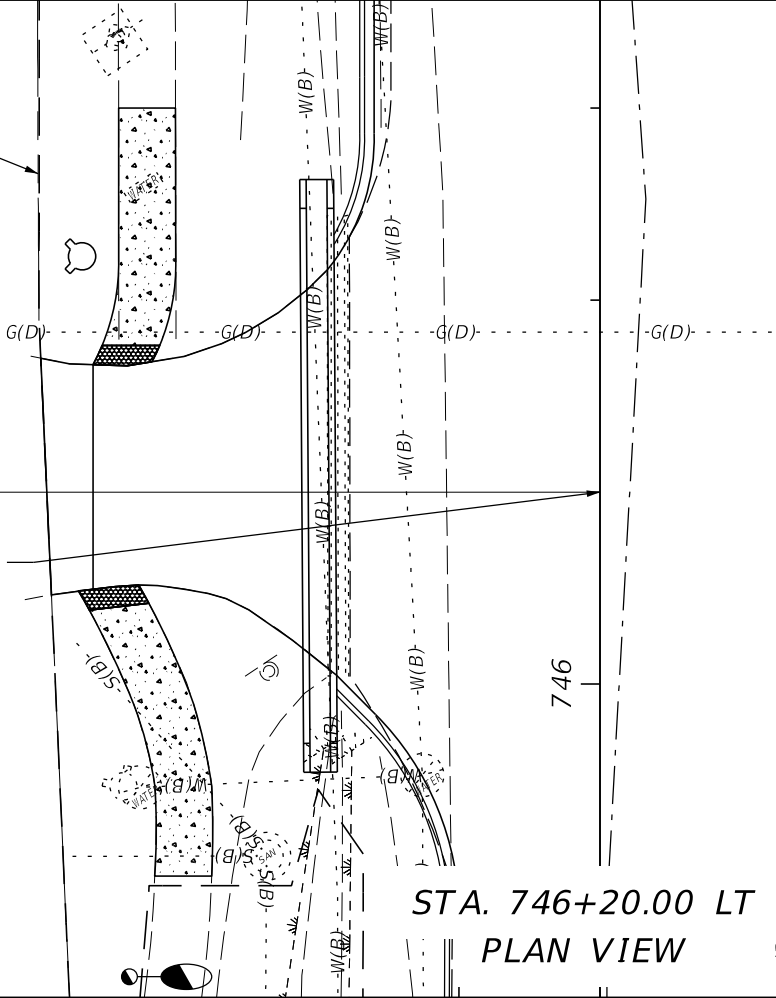
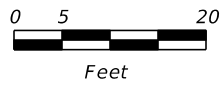


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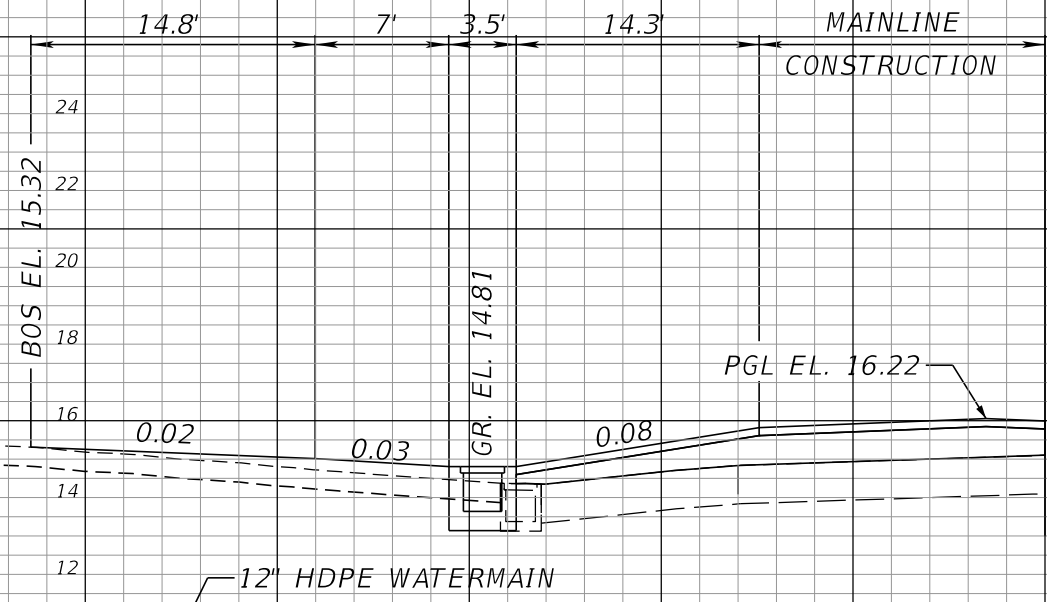
DETAIL 11
SECTION LINE

STA. 746+20.00 \square SURVEY

STA. 746+20.00 LT
PLAN VIEW



Exist. R/W



STA. 746+20.00 LT
SECTION VIEW

SCALE
1" = 10' HORIZONTAL
1" = 5' VERTICAL

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

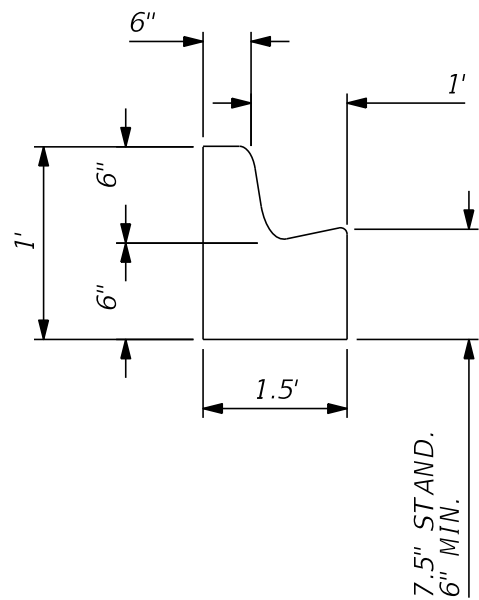
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GREENMAN-PEDERSEN, INC.
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CHIPLEY, FL 32428

| | | |
|--|--------|----------------------|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

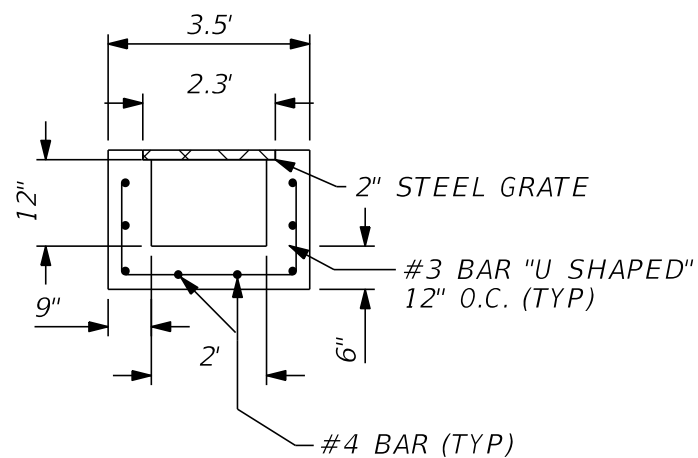
DRIVEWAY PLAN AND PROFILE

SHEET NO.
40

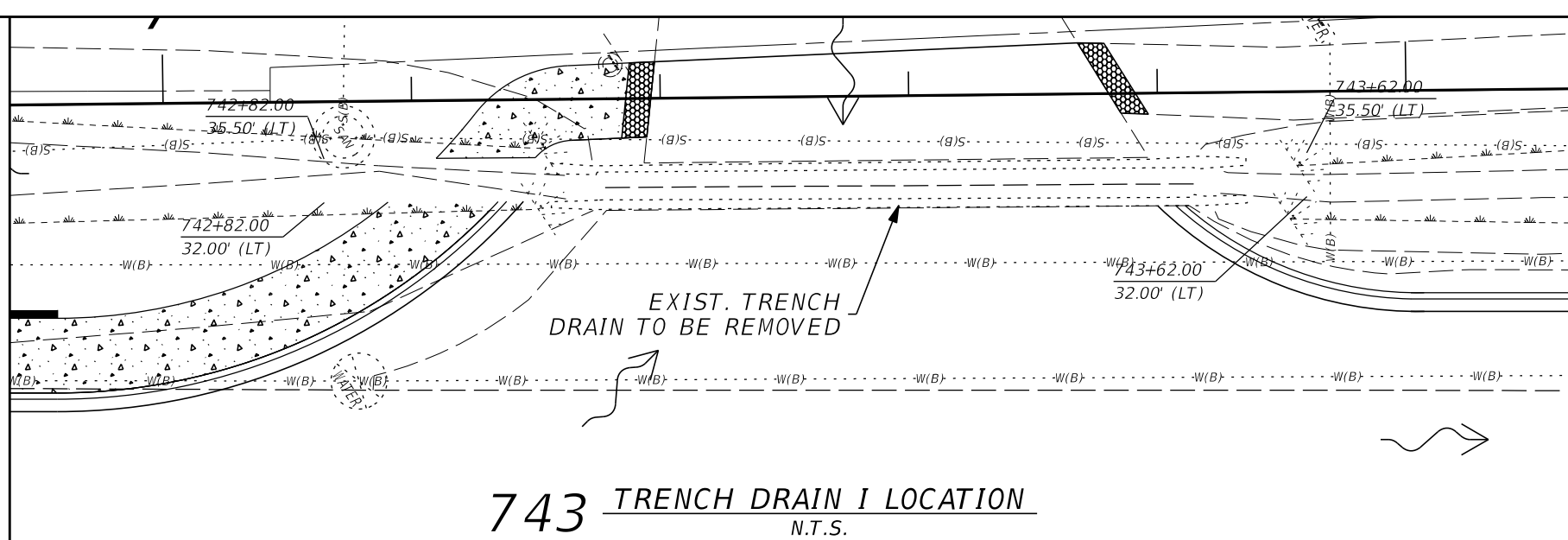
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



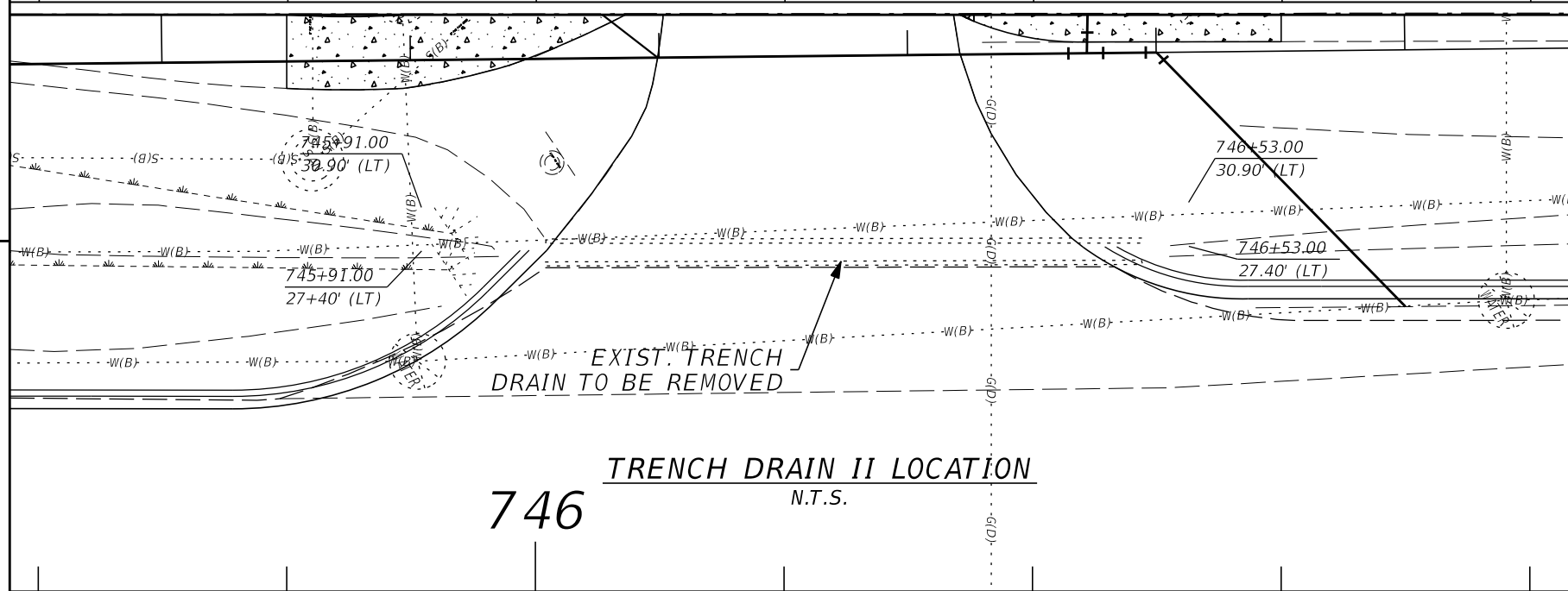
18" MODIFIED TYPE 'F' CURB
N.T.S.



A-A
N.T.S.

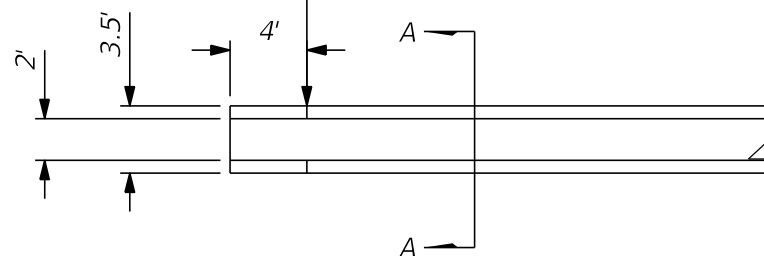


743 TRENCH DRAIN I LOCATION
N.T.S.



746 TRENCH DRAIN II LOCATION
N.T.S.

CONST. 4:1 MITERED TRANSITION



TRENCH DRAIN PLAN VIEW
N.T.S.

- NOTES:
- * TO BE PAID FOR UNDER PAY ITEM 436-1-2 (TRENCH DRAIN, SPECIAL).
 - * GRATE WITHIN THE SIDEWALK SHALL BE ADA COMPLIANT

RICKY L. DODD, P.E.
P.E. LICENSE NUMBER 88526
GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DR.
CHIPLEY, FL 32428

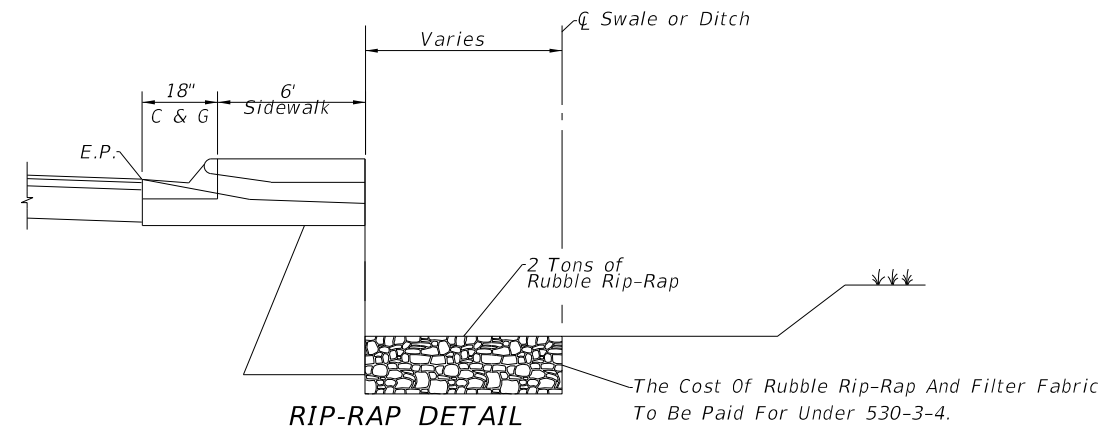
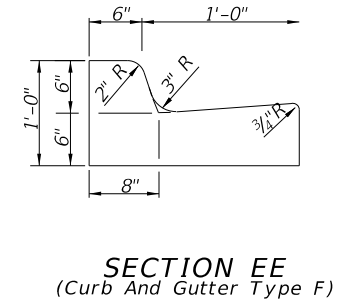
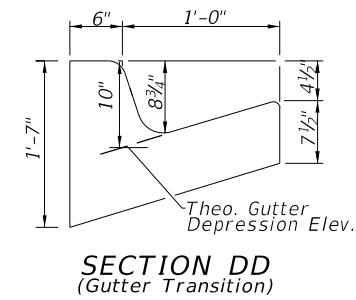
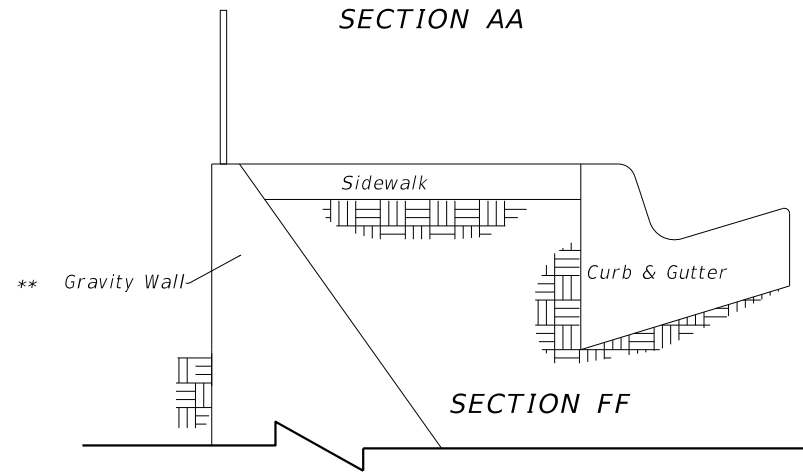
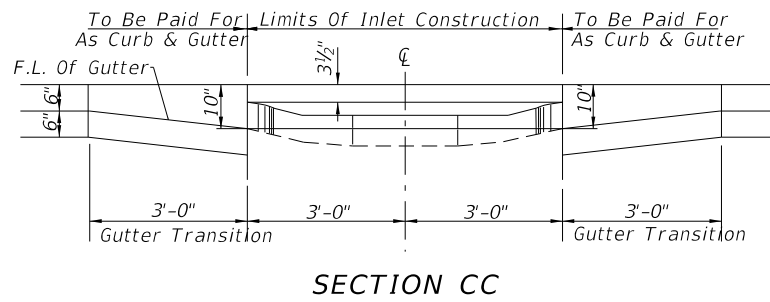
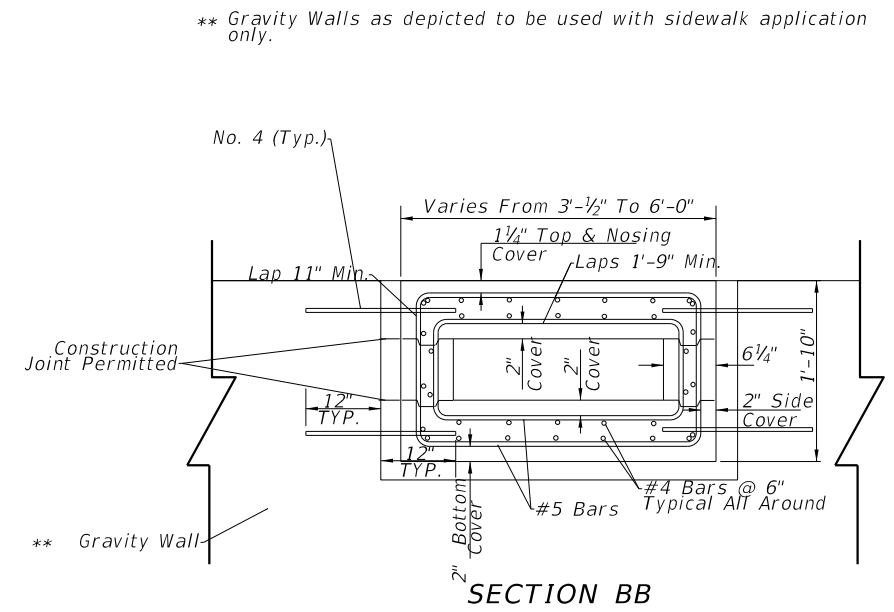
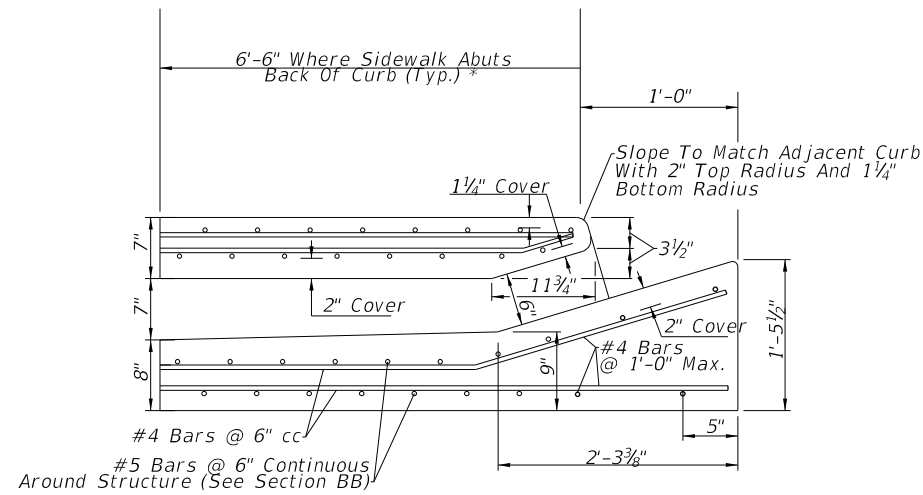
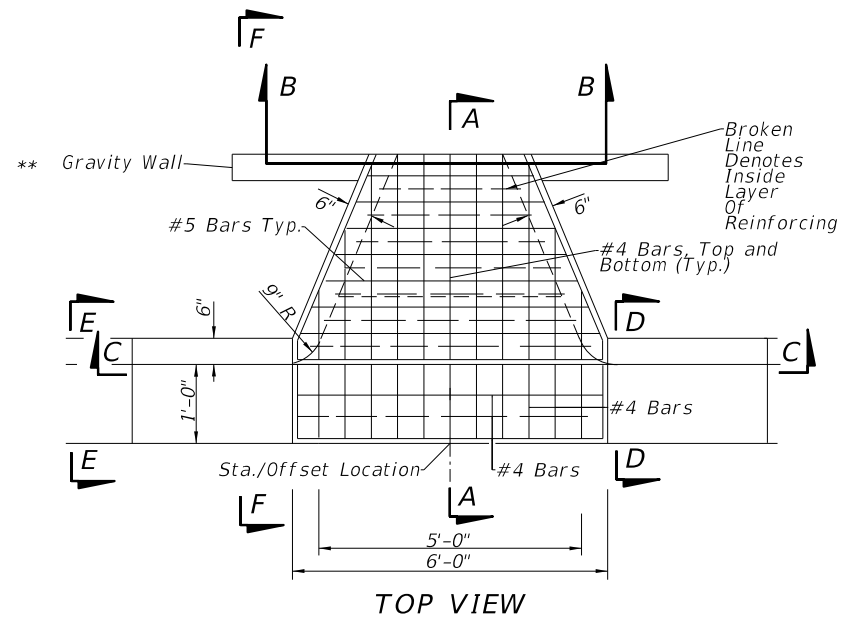
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
|----------|--------|----------------------|
| N/A | BAY | 441742-2-58-01 |

SPECIAL DETAILS

SHEET NO.

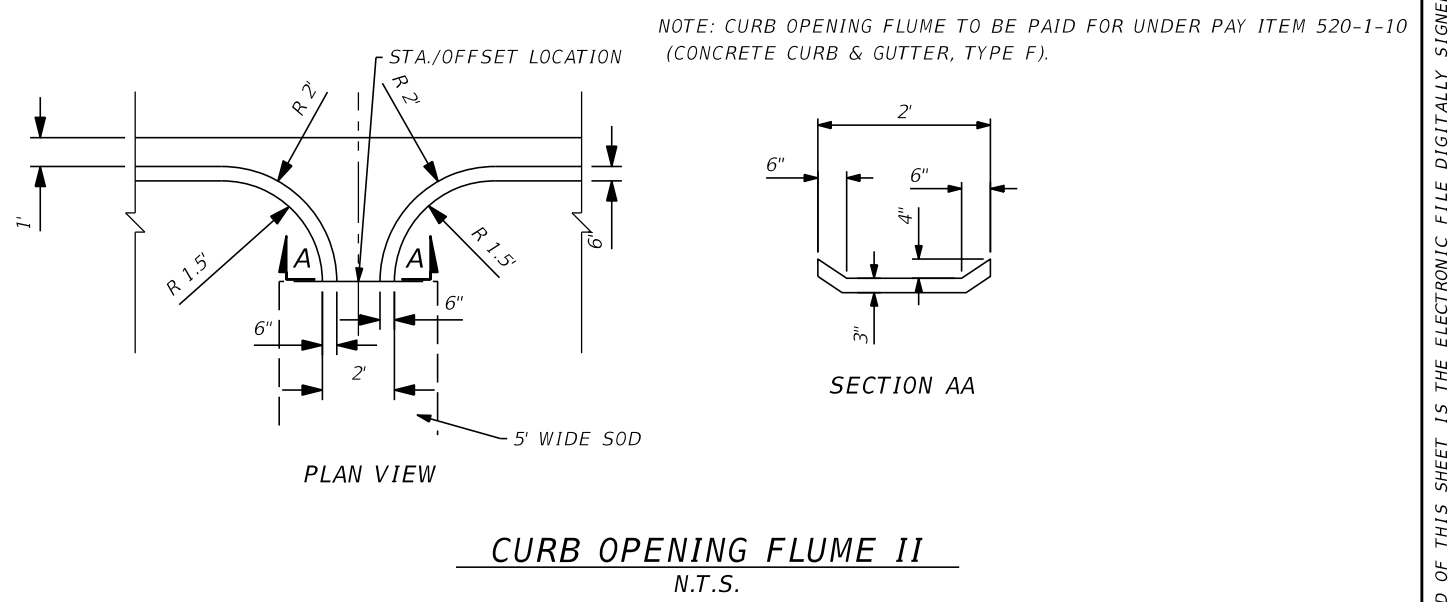
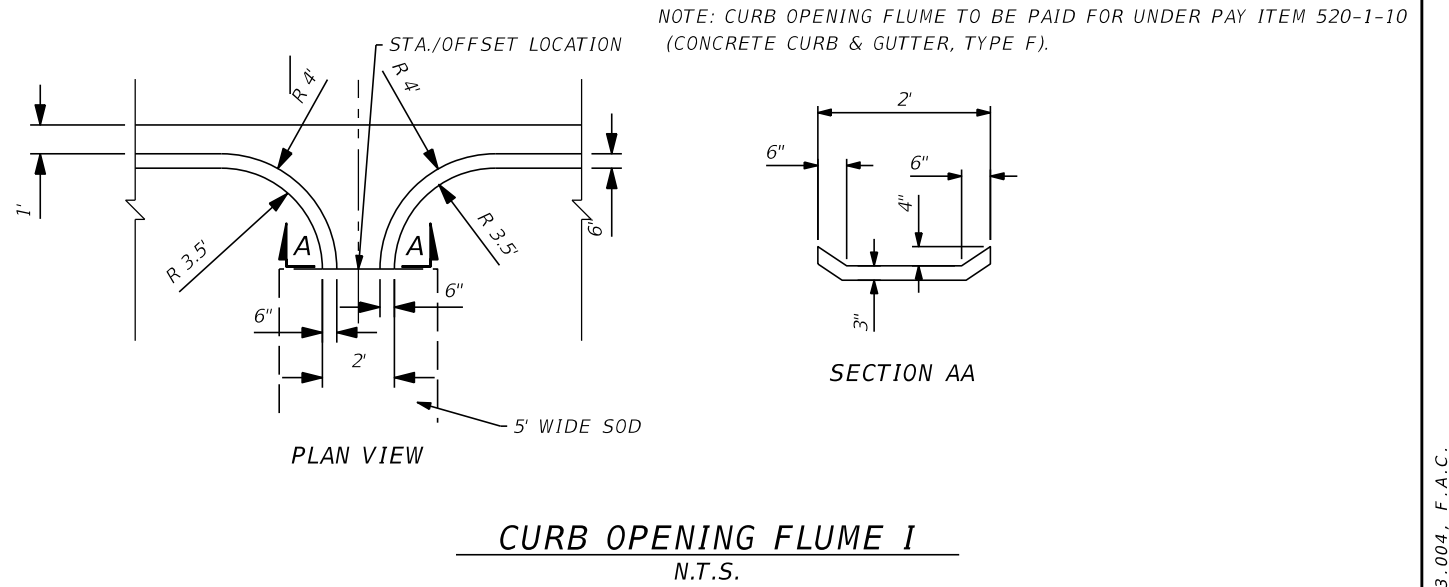
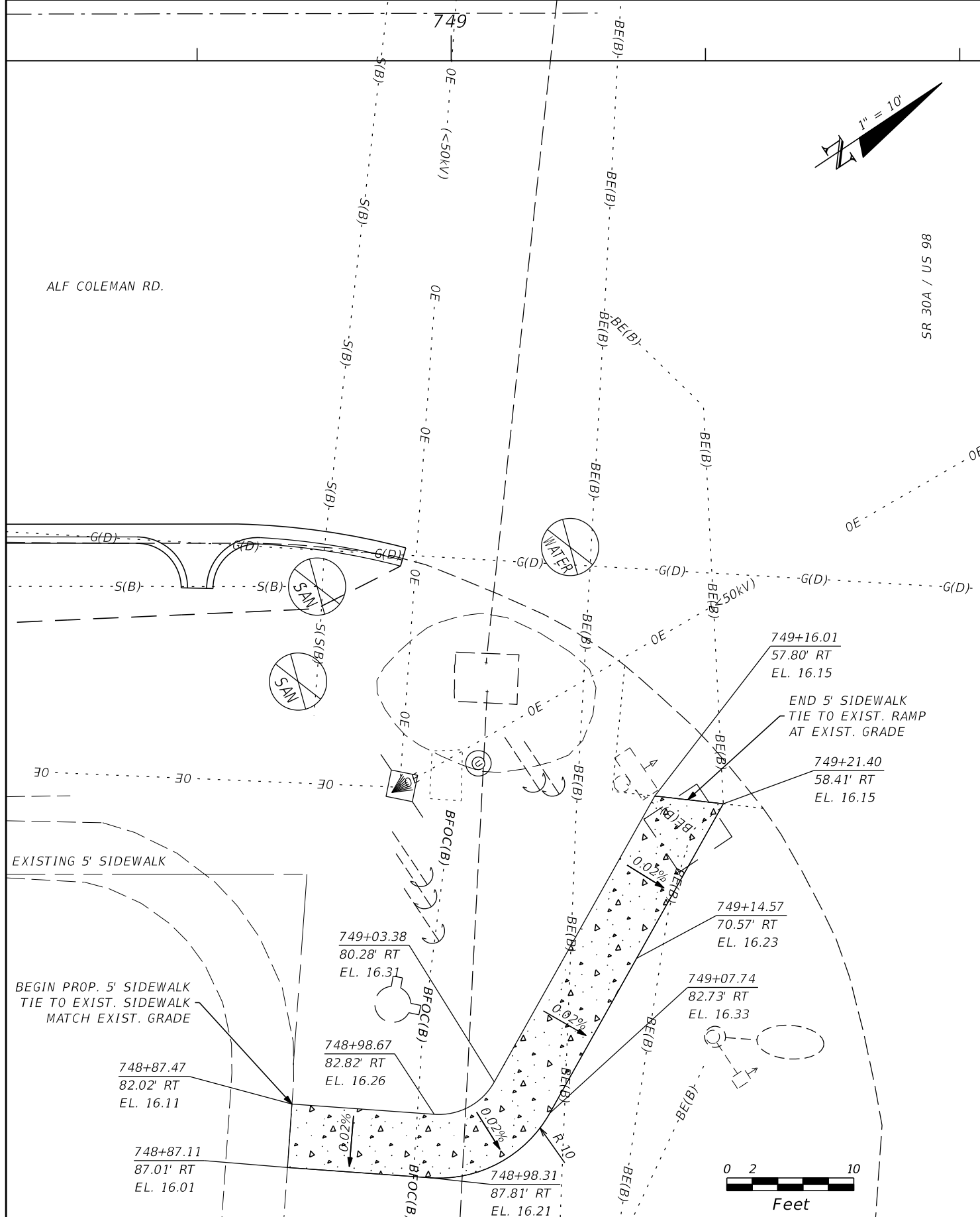
41



CLOSED FLUME INLET OVER GRAVITY WALL DETAILS
N.T.S.

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | SHEET NO. 42 |
|-----------|-------------|------|-------------|--|--|--------|----------------------|------------------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | |
| | | | | | N/A | BAY | 441742-2-58-01 | |

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| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

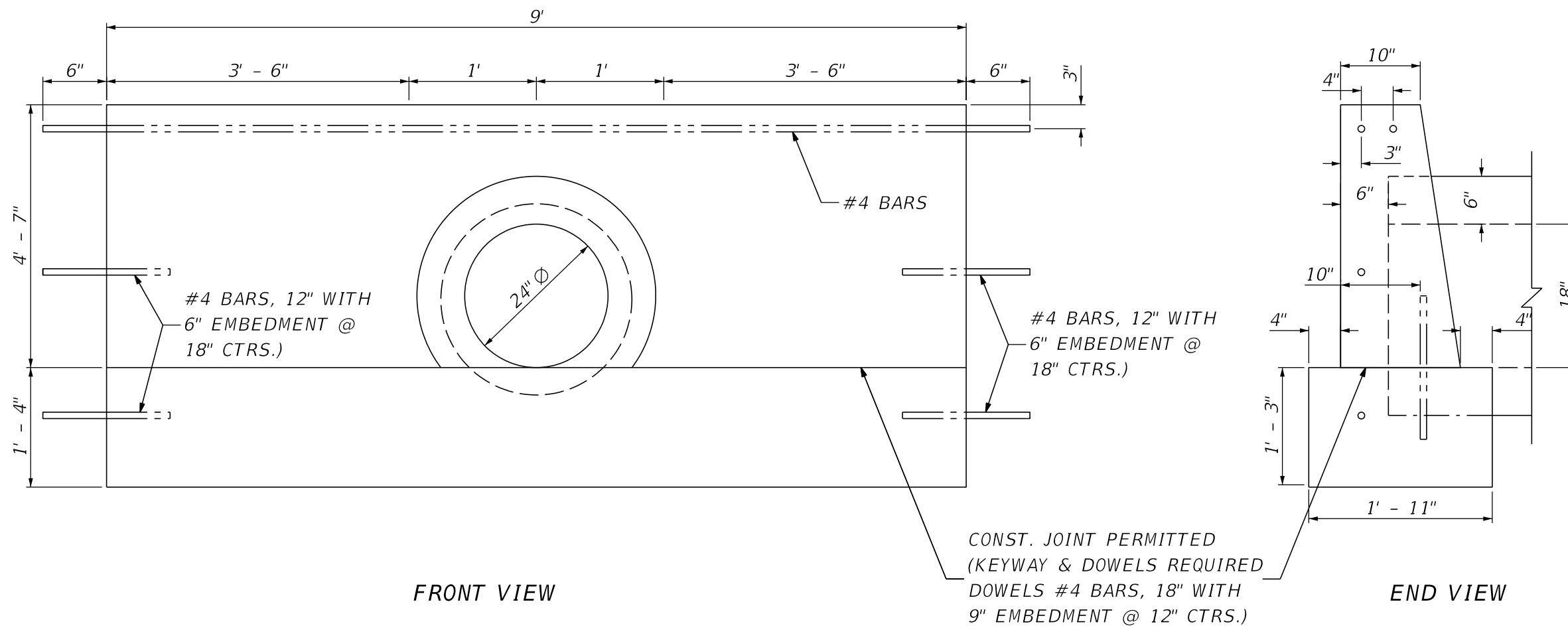
RICKY L. DODD, P.E.
P.E. LICENSE NUMBER 88526
GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DR.
CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

SPECIAL DETAILS

SHEET NO.
43

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



ENDWALL TO GRAVITY WALL CONNECTION DETAIL
N.T.S.



GUTTER TRANSITION
N.T.S.

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | SHEET NO. 44 |
|-----------|-------------|------|-------------|--|--|--------|----------------------|------------------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | |
| | | | | | N/A | BAY | 441742-2-58-01 | |

SPECIAL DETAILS

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

DATE OF SURVEY: SEPTEMBER 2019
 SURVEY MADE BY: ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.
 SUBMITTED BY: MYRON L. HAYDEN, P.E.

**STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 MATERIALS AND RESEARCH**

DISTRICT: THREE
 ROAD NO.: N/A
 COUNTY: BAY

FINANCIAL PROJECT ID : 441742-1-52-01
 PROJECT NAME: ALF COLEMAN ROAD - ROADWAY IMPROVEMENTS

CROSS SECTION SOILS SURVEY FOR THE DESIGN OF ROADS

REFERENCE: Q SURVEY ALF COLEMAN RD SURVEY BEGINS STA.: 718+40 SURVEY ENDS STA.: 749+21

| STRATUM NO. | ORGANIC CONTENT | | MOISTURE CONTENT | NO. OF TESTS | SIEVE ANALYSIS RESULTS PERCENT PASS (%) | | | | | ATTERBERG LIMITS (%) | | | AASHTO GROUP | DESCRIPTION | CORROSION TEST RESULTS | | | | | |
|-------------|-----------------|-----------|------------------|--------------|---|---------|---------|----------|----------|----------------------|--------------|---------------|--------------|------------------------------|------------------------|--------------------|---------------|--------------|--------|---------|
| | % ORGANIC | % | | | 10 MESH | 40 MESH | 60 MESH | 100 MESH | 200 MESH | NO. OF TESTS | LIQUID LIMIT | PLASTIC INDEX | | | NO. OF TESTS | RESISTIVITY ohm-cm | CHLORIDES ppm | SULFATES ppm | pH | |
| 1 | 59 | 1.1-4.8 | 9-55 | 56 | 76-100 | 51-100 | 24-71 | 3-16 | 1-10 | -- | -- | -- | A-1-b, A-3 | TAN, GRAY, DARK GRAY | FINE SAND | -- | -- | -- | -- | -- |
| 2 | 15 | 1.3-4.1 | 14-32 | 27 | 58-100 | 51-94 | 30-45 | 18-28 | 13-26 | -- | -- | -- | A-2-4 | TAN, ORANGE, GRAY, DARK GRAY | SILTY FINE SAND | 2 | 2,800-6,500 | 55-73 | 45-189 | 7.4-7.7 |
| 3 | 10 | 6.3-9.8 | 24-73 | 3 | 95-99 | 74-86 | 37-47 | 19-21 | 16-17 | -- | -- | -- | A-3, A-2-4 | DARK GRAY | ORGANIC SAND | -- | -- | -- | -- | -- |
| 4 | 2 | 25.1-27.0 | 113-153 | 1 | 98 | 84 | 68 | 47 | 38 | -- | -- | -- | A-8 | BLACK | MUCK | -- | -- | -- | -- | -- |

STRATA NOTES

1. STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING ONLY. ANY SUBSOIL CONNECTING LINES SHOWN ARE FOR ESTIMATING ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED.
2. REMOVAL OF MATERIAL ENCOUNTERED SHOULD BE ACCOMPLISHED IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 120-002, UNLESS OTHERWISE NOTED IN THE PLANS.
3. MATERIAL UTILIZED IN EMBANKMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 120-001.
4. STRATA 1 AND 2 REPRESENT "SELECT" MATERIALS. DUE TO THE HIGH FINES CONTENT, STRATUM 2 WILL RETAIN MOISTURE AND MAY BE DIFFICULT TO COMPACT WHEN WET.
5. STRATUM 3 REPRESENTS A "SELECT" MATERIAL WITH AN AVERAGE ORGANIC CONTENT BETWEEN 5 AND 10 PERCENT.
6. STRATUM 4 REPRESENTS A "MUCK" MATERIAL WITH AN AVERAGE ORGANIC CONTENT GREATER THAN 20 PERCENT.

LEGEND

▼ MEASURED WATER LEVEL


| REVISIONS | | | | MYRON L. HAYDEN, P.E. P.E. NO.: 34067 ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC. 104 NORTH MAGNOLIA DRIVE TALLAHASSEE, FLORIDA 32301 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | ROADWAY SOIL SURVEY | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|----------------------------|----------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | | N/A | BAY | | 441742-1-52-01 |

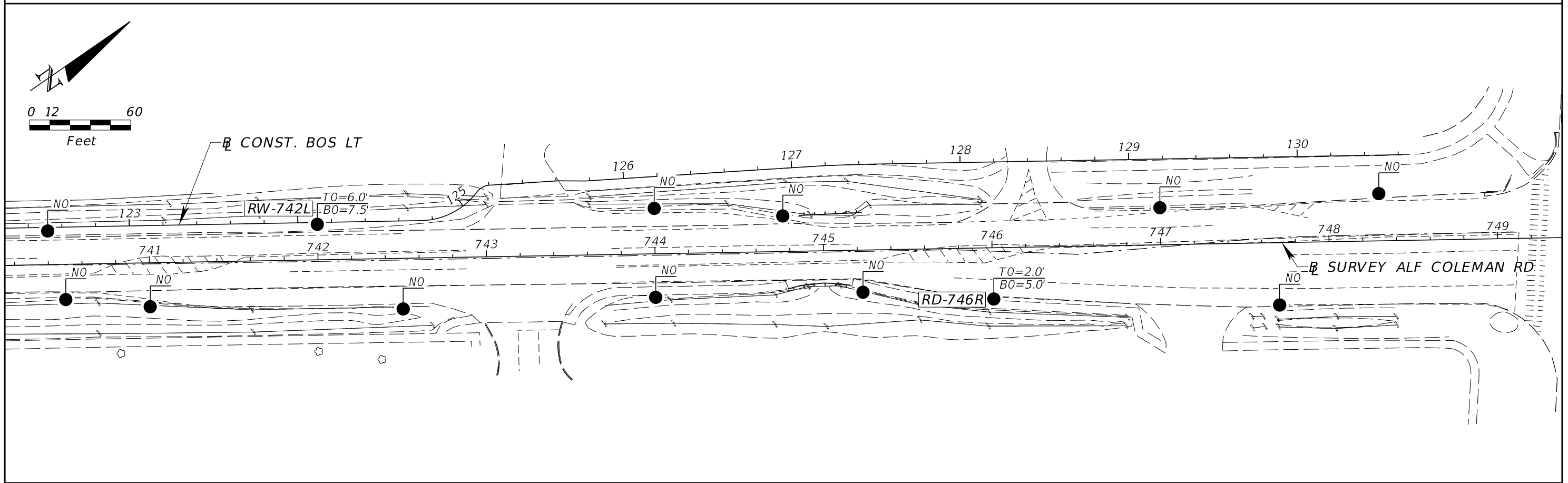
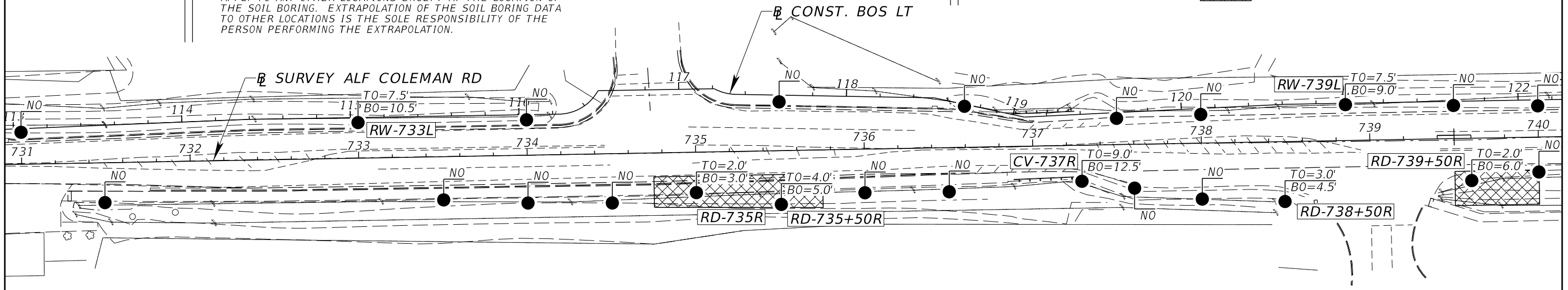
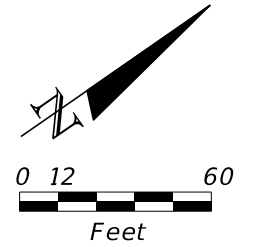
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NOTES

1. WORK THESE SHEETS WITH ROADWAY CROSS SECTIONS FOR APPROXIMATE LIMIT OF SUBSOIL EXCAVATION. REFER TO ROADWAY SOIL SURVEY FOR ADDITIONAL SOILS DATA.
2. "ORGANIC MATERIAL" REFERS TO SOILS THAT HAVE AN AVERAGE ORGANIC CONTENT OF FIVE (5) PERCENT OR GREATER.
3. "NO ORGANIC" DESIGNATION MEANS ORGANIC MATERIAL OF FIVE (5) PERCENT OR GREATER WAS NOT ENCOUNTERED WITHIN THE VERTICAL EXTENT OF SOIL BORING.
4. EXTENT OF ORGANIC MATERIAL IS APPROXIMATE AND MAY NOT APPLY TO ANY OTHER LOCATIONS EXCEPT AT THE LOCATION OF THE SOIL BORING. EXTRAPOLATION OF THE SOIL BORING DATA TO OTHER LOCATIONS IS THE SOLE RESPONSIBILITY OF THE PERSON PERFORMING THE EXTRAPOLATION.

LEGEND

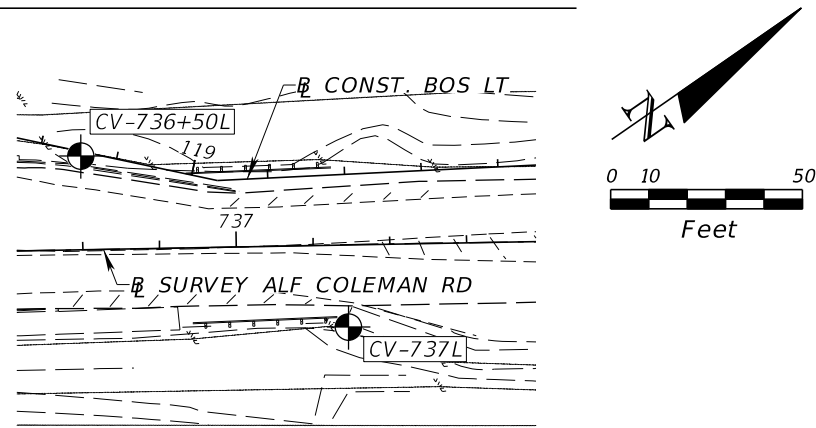
- SOIL BORING LOCATION ●
- DEPTH TO TOP OF ORGANIC MATERIAL TO
- DEPTH TO BOTTOM OF ORGANIC MATERIAL BO
- NO ORGANICS ENCOUNTERED NO
- RECOMMENDED SUBSOIL EXCAVATION 



| REVISIONS | | | | MYRON L. HAYDEN, P.E. P.E. NO.: 34067 ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC. 104 NORTH MAGNOLIA DRIVE TALLAHASSEE, FLORIDA 32301 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | APPROXIMATE LIMITS OF ORGANIC MATERIAL | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|---|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | 46 |

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SOIL BORING LOCATION MAP



LEGEND

| | | | |
|-----------------------------|-------|----------------------------|--|
| SPT SOIL BORING LOCATION | | FINE SAND (A-3) | |
| MEASURED WATER LEVEL | | SILTY FINE SAND (A-2-4) | |
| LABORATORY TESTING RESULTS | | ORGANIC SAND (A-3) | |
| WATER CONTENT (%) | Wc= | AASHTO SOIL CLASSIFICATION | |
| -200 SIEVE (%) | -200= | GROUP SYMBOL (A-3) | |
| ORGANIC CONTENT (%) | OC= | | |
| N-VALUE EQUIVALENT (NOTE 2) | *N | | |

NOTES

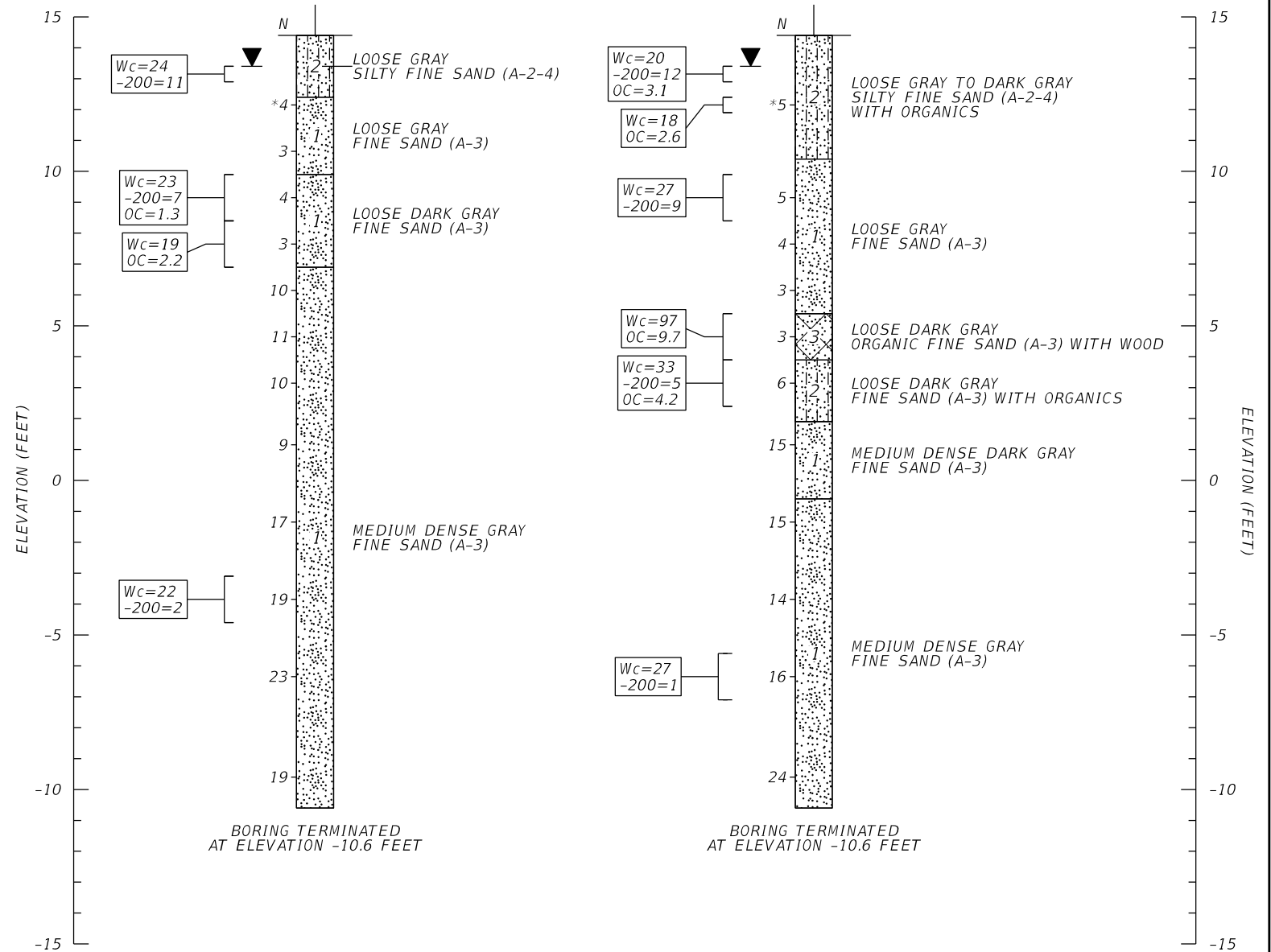
- NUMBERS LEFT OF BORING INDICATE STANDARD PENETRATION TEST (SPT) N-VALUES FOR 12 INCH PENETRATION (UNLESS OTHERWISE NOTED).
- N-VALUES DENOTED WITH AN ASTERISK (*) WERE DERIVED FROM HAND STATIC CONE PENETROMETER TESTS.
- NUMBERS IN CENTER OF BORING INDICATE THE STRATUM NUMBER. REFER TO ROADWAY SOIL SURVEY SHEET FOR ADDITIONAL STRATUM PROPERTIES.
- MEASURED WATER LEVEL SHOWN IS THE WATER LEVEL ENCOUNTERED DURING THE SUBSURFACE INVESTIGATION. WATER LEVEL FLUCTUATIONS SHOULD BE ANTICIPATED.
- SOIL DESCRIPTIONS, TEST DATA, AND STANDARD PENETRATION VALUES SHOWN ARE FOR THE SOIL BORING ONLY AND MAY NOT APPLY TO ANY OTHER LOCATIONS EXCEPT AT THE LOCATIONS OF THE SOIL BORING. EXTRAPOLATION OF THE SOIL DATA TO OTHER LOCATIONS IS THE SOLE RESPONSIBILITY OF THE PERSON PERFORMING THE EXTRAPOLATION.

| AUTOMATIC HAMMER | | | |
|-------------------------------------|--------------------|-----------------------------|--------------------|
| GRANULAR MATERIALS RELATIVE DENSITY | SPT (BLOWS/12 IN.) | SILTS AND CLAYS CONSISTENCY | SPT (BLOWS/12 IN.) |
| VERY LOOSE | LESS THAN 3 | VERY SOFT | LESS THAN 1 |
| LOOSE | 3 - 8 | SOFT | 1 - 3 |
| MEDIUM DENSE | 8 - 24 | FIRM | 3 - 6 |
| DENSE | 24 - 40 | STIFF | 6 - 12 |
| VERY DENSE | GREATER THAN 40 | VERY STIFF | 12 - 24 |
| | | HARD | GREATER THAN 24 |

SPLIT-SPOON:
 INSIDE DIAMETER: 1.375 in.
 OUTSIDE DIAMETER: 2.0 in.
 AVG. HAMMER DROP: 30.0 in.
 HAMMER WEIGHT: 140 lbs.

BOR # CV-736+50L
 STA. 736+60
 REF. B SURVEY ALF COLEMAN RD
 OFF. 24 FEET LEFT
 ELEV. 14.4 FEET
 DATE 5/29/2019
 DRILLER B. GUERRA
 HAMMER AUTOMATIC
 RIG D-25

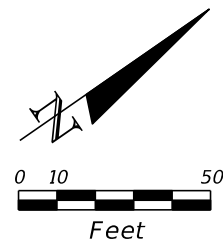
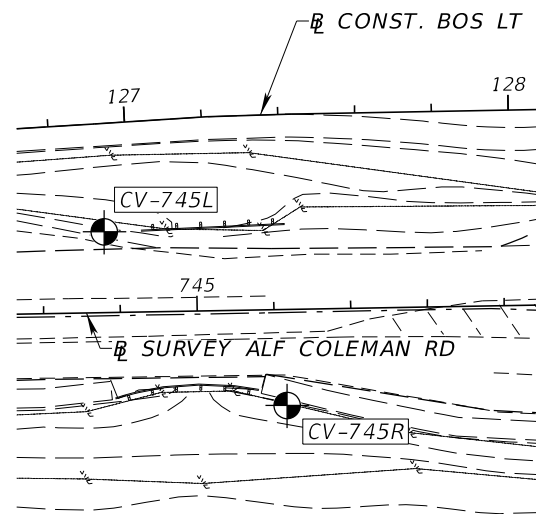
BOR # CV-737R
 STA. 737+28
 REF. B SURVEY ALF COLEMAN RD
 OFF. 21 FEET RIGHT
 ELEV. 14.4 FEET
 DATE 5/29/2019
 DRILLER B. GUERRA
 HAMMER AUTOMATIC
 RIG D-25



| REVISIONS | | | | MYRON L. HAYDEN, P.E. P.E. NO.: 34067 ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC. 104 NORTH MAGNOLIA DRIVE TALLAHASSEE, FLORIDA 32301 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | REPORT OF CULVERT BORINGS (1 OF 2) | SHEET NO. 47 |
|-----------|-------------|------|-------------|--|--|--------|----------------------|---------------------------------------|--------------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | |

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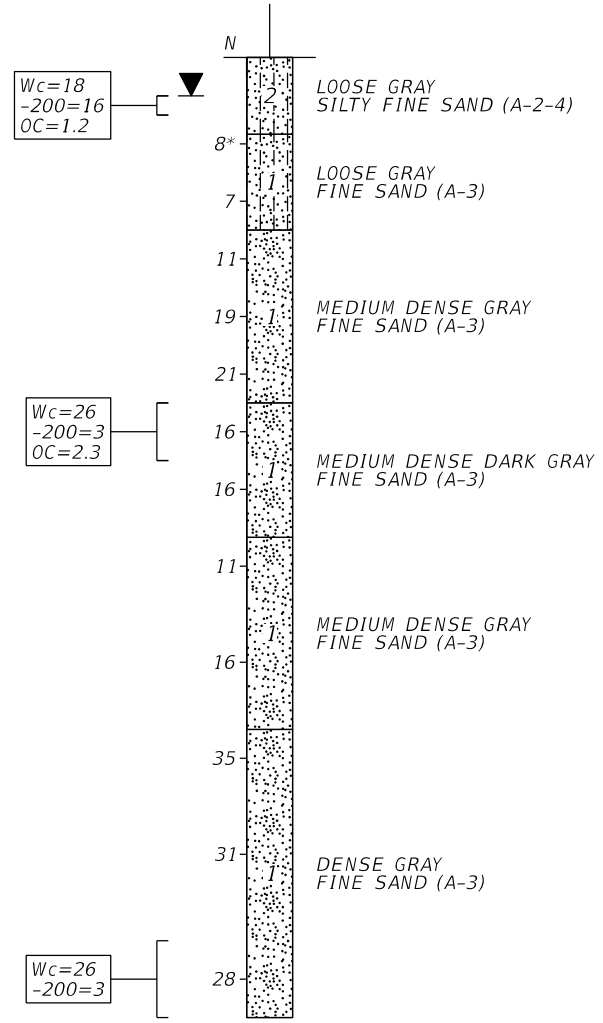
SOIL BORING LOCATION MAP



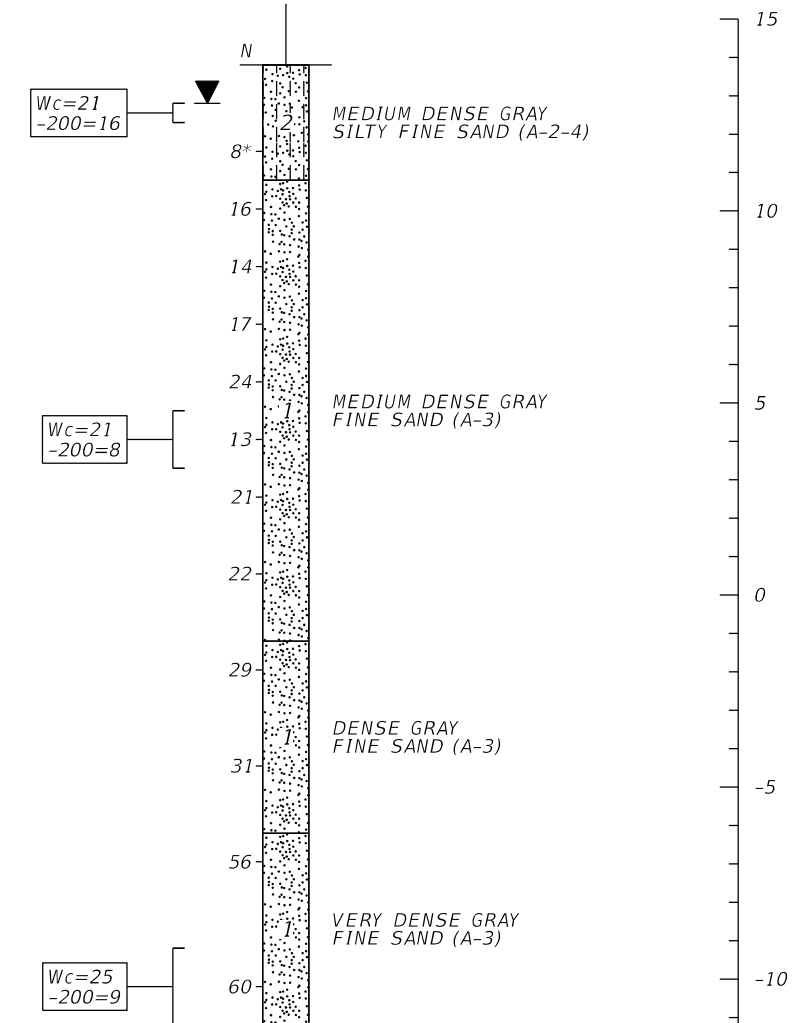
BOR # CV-745L
 STA. 744+76
 REF. B SURVEY ALF COLEMAN RD
 OFF. 21 FEET LEFT
 ELEV. 14.0 FEET
 DATE 5/29/2019
 DRILLER B. GUERRA
 HAMMER AUTOMATIC
 RIG D-25

BOR # CV-745R
 STA. 745+23
 REF. B SURVEY ALF COLEMAN RD
 OFF. 25 FEET RIGHT
 ELEV. 13.8 FEET
 DATE 5/29/2019
 DRILLER B. GUERRA
 HAMMER AUTOMATIC
 RIG D-25

ELEVATION (FEET)



BORING TERMINATED AT ELEVATION -11.0 FEET



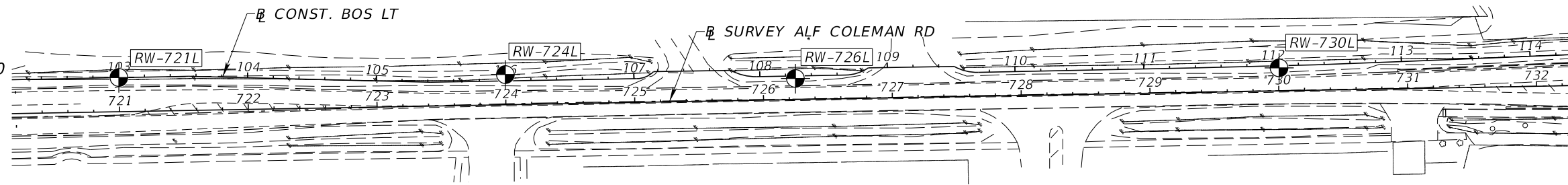
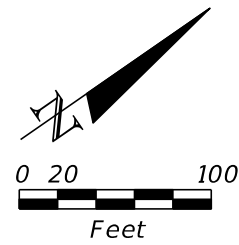
BORING TERMINATED AT ELEVATION -11.2 FEET

ELEVATION (FEET)

| REVISIONS | | | | MYRON L. HAYDEN, P.E. P.E. NO.: 34067 ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC. 104 NORTH MAGNOLIA DRIVE TALLAHASSEE, FLORIDA 32301 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | REPORT OF CULVERT BORINGS (2 OF 2) | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|---------------------------------------|----------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | | N/A | BAY | | 441742-2-58-01 |

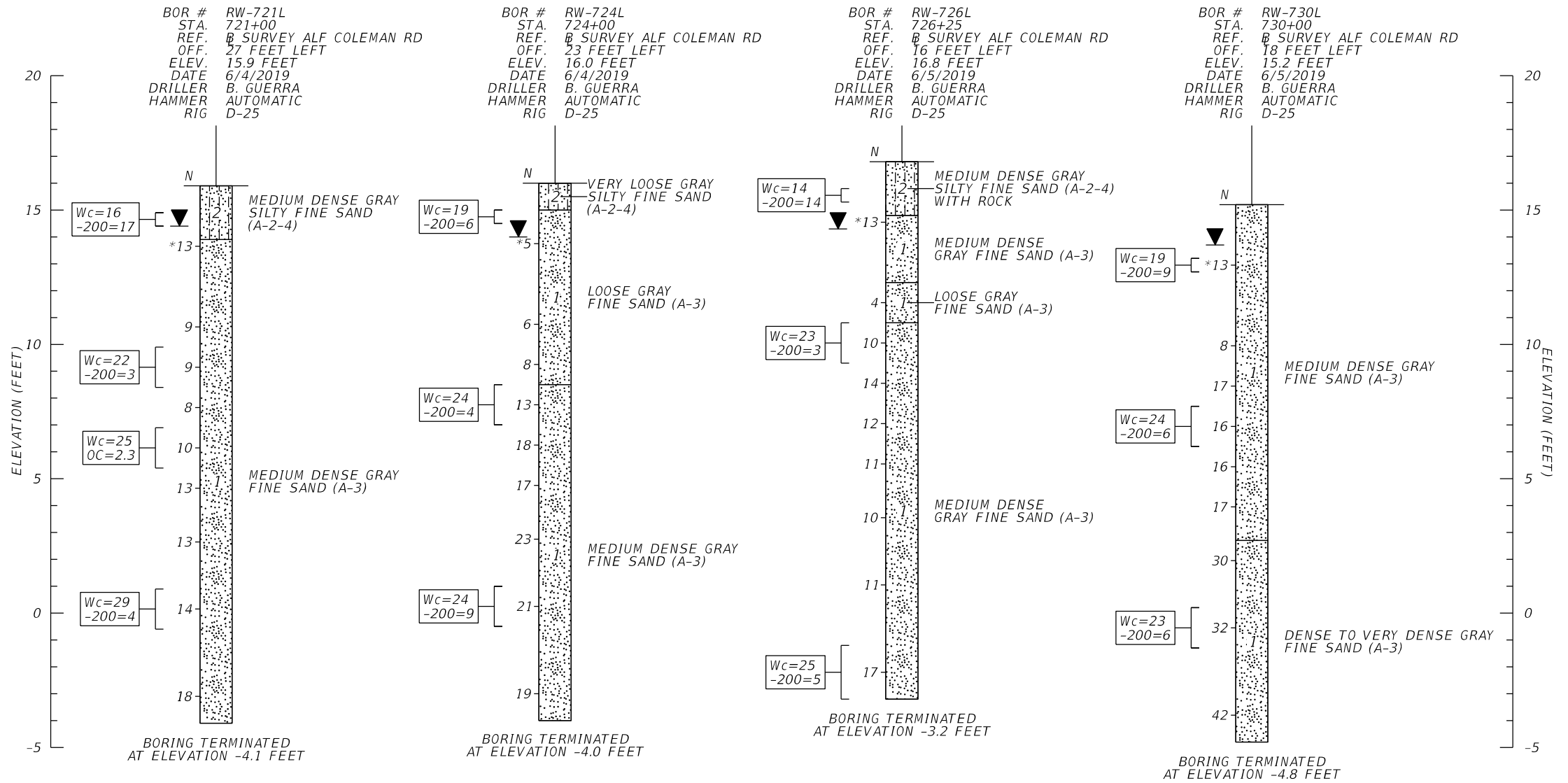
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SOIL BORING LOCATION MAP



NOTES

1. NUMBERS LEFT OF BORING INDICATE STANDARD PENETRATION TEST (SPT) N-VALUES FOR 12 INCH PENETRATION (UNLESS OTHERWISE NOTED).
2. N-VALUES DENOTED WITH AN ASTERISK (*) WERE DERIVED FROM HAND STATIC CONE PENETROMETER TESTS.
3. NUMBERS IN CENTER OF BORING INDICATE THE STRATUM NUMBER. REFER TO ROADWAY SOIL SURVEY SHEET FOR ADDITIONAL STRATUM PROPERTIES.
4. MEASURED WATER LEVEL SHOWN IS THE WATER LEVEL ENCOUNTERED DURING THE SUBSURFACE INVESTIGATION. WATER LEVEL FLUCTUATIONS SHOULD BE ANTICIPATED.
5. SOIL DESCRIPTIONS, TEST DATA, AND STANDARD PENETRATION VALUES SHOWN ARE FOR THE SOIL BORING ONLY AND MAY NOT APPLY TO ANY OTHER LOCATIONS EXCEPT AT THE LOCATIONS OF THE SOIL BORING. EXTRAPOLATION OF THE SOIL DATA TO OTHER LOCATIONS IS THE SOLE RESPONSIBILITY OF THE PERSON PERFORMING THE EXTRAPOLATION.



LEGEND

| | | | |
|-----------------------------|-------|----------------------------|--|
| SPT SOIL BORING LOCATION | | FINE SAND (A-3) | |
| MEASURED WATER LEVEL | | SILTY FINE SAND (A-2-4) | |
| LABORATORY TESTING RESULTS | | ORGANIC SAND (A-3/A-2-4) | |
| WATER CONTENT (%) | Wc= | AASHTO SOIL CLASSIFICATION | |
| -200 SIEVE (%) | -200= | GROUP SYMBOL (A-3) | |
| ORGANIC CONTENT (%) | OC= | | |
| N-VALUE EQUIVALENT (NOTE 2) | *N | | |

| AUTOMATIC HAMMER | | | |
|-------------------------------------|--------------------|-----------------------------|--------------------|
| GRANULAR MATERIALS RELATIVE DENSITY | SPT (BLOWS/12 IN.) | SILTS AND CLAYS CONSISTENCY | SPT (BLOWS/12 IN.) |
| VERY LOOSE | LESS THAN 3 | VERY SOFT | LESS THAN 1 |
| LOOSE | 3 - 8 | SOFT | 1 - 3 |
| MEDIUM DENSE | 8 - 24 | FIRM | 3 - 6 |
| DENSE | 24 - 40 | STIFF | 6 - 12 |
| VERY DENSE | GREATER THAN 40 | VERY STIFF | 12 - 24 |
| | | HARD | GREATER THAN 24 |

SPLIT-SPOON:
 INSIDE DIAMETER: 1.375 in.
 OUTSIDE DIAMETER: 2.0 in.
 AVG. HAMMER DROP: 30.0 in.
 HAMMER WEIGHT: 140 lbs.

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

MYRON L. HAYDEN, P.E.
 P.E. NO.: 34067
 ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.
 104 NORTH MAGNOLIA DRIVE
 TALLAHASSEE, FLORIDA 32301

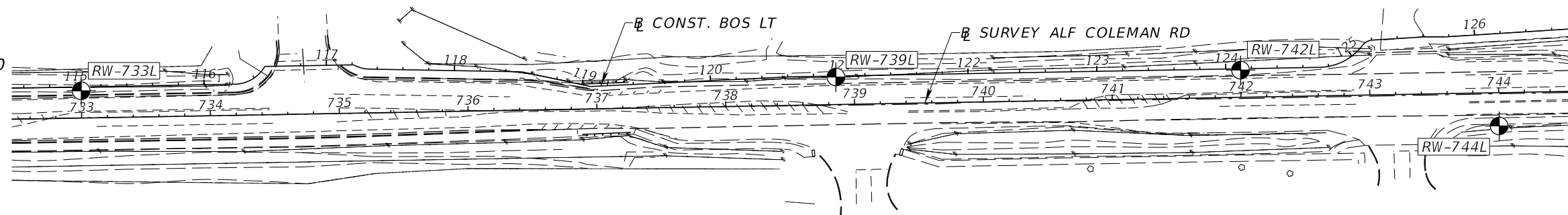
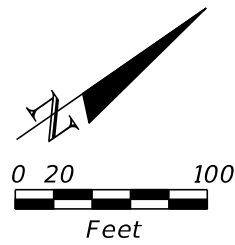
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

REPORT OF WALL BORINGS (1 OF 2)

SHEET NO.
49

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SOIL BORING LOCATION MAP

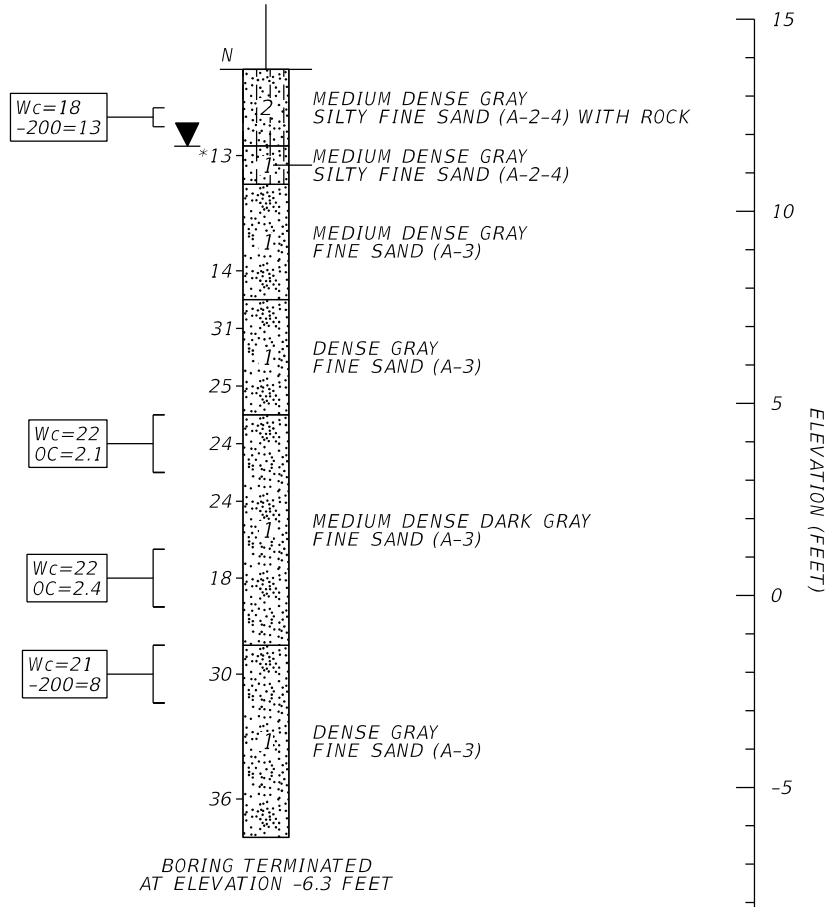
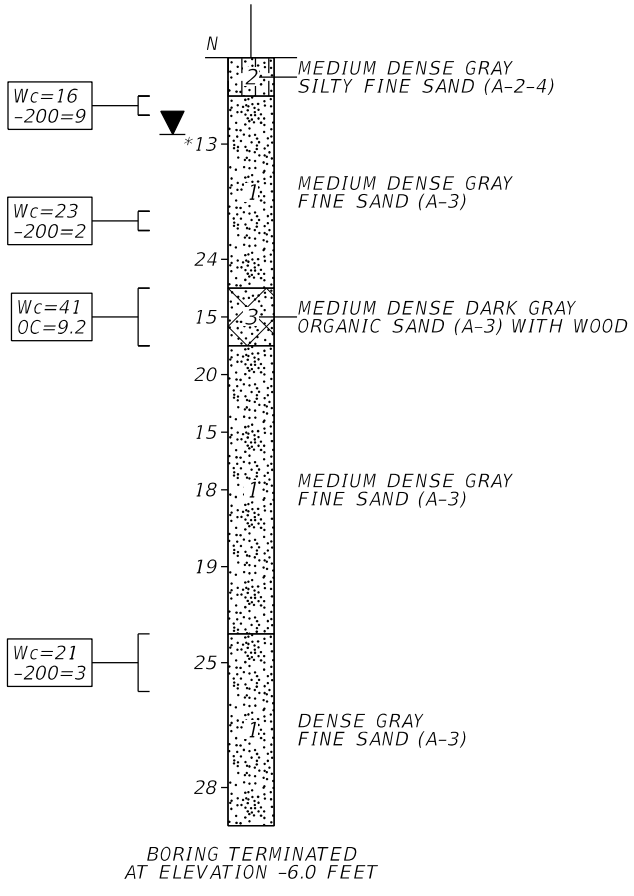
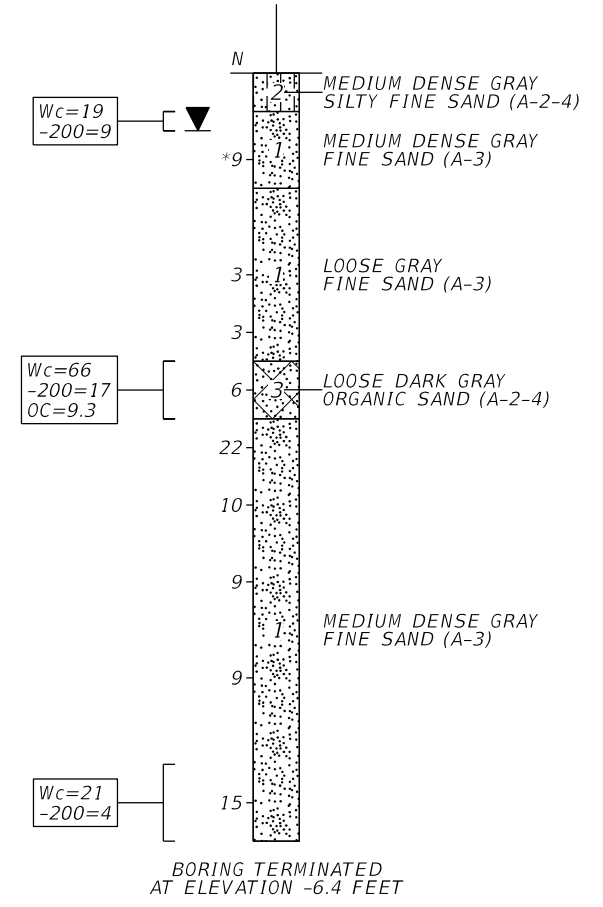
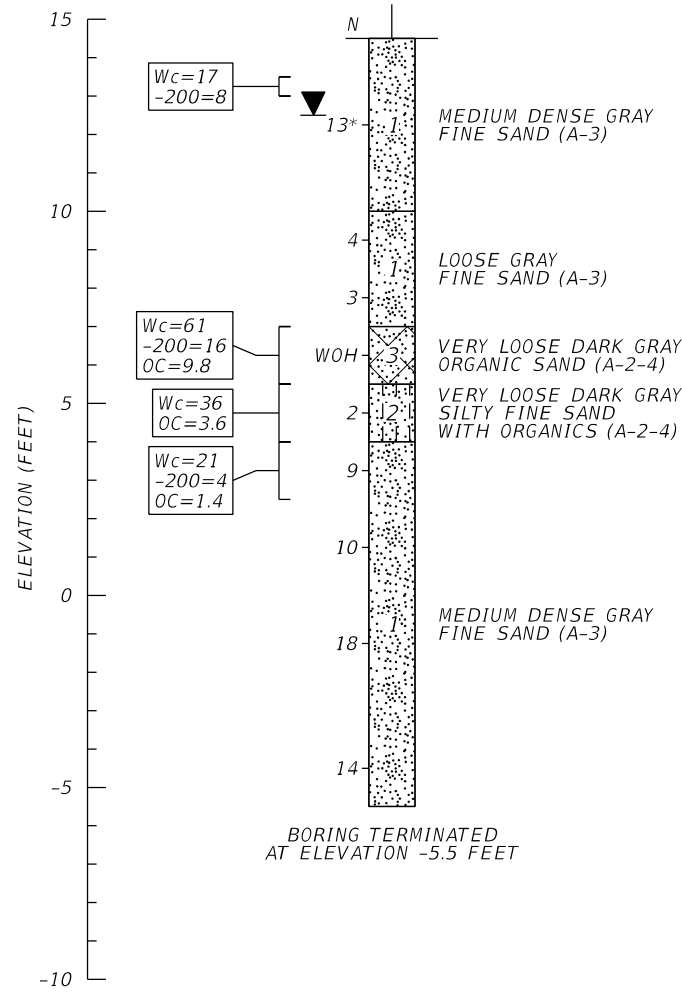


BOR # RW-733L
 STA. 733+00
 REF. SURVEY ALF COLEMAN RD
 OFF. 21 FEET LEFT
 ELEV. 14.5 FEET
 DATE 6/5/2019
 DRILLER B. GUERRA
 HAMMER AUTOMATIC
 RIG D-25

BOR # RW-739L
 STA. 738+86
 REF. SURVEY ALF COLEMAN RD
 OFF. 21 FEET LEFT
 ELEV. 13.6 FEET
 DATE 6/4/2019
 DRILLER B. GUERRA
 HAMMER AUTOMATIC
 RIG D-25

BOR # RW-742L
 STA. 742+00
 REF. SURVEY ALF COLEMAN RD
 OFF. 29 FEET LEFT
 ELEV. 14.0 FEET
 DATE 6/4/2019
 DRILLER B. GUERRA
 HAMMER AUTOMATIC
 RIG D-25

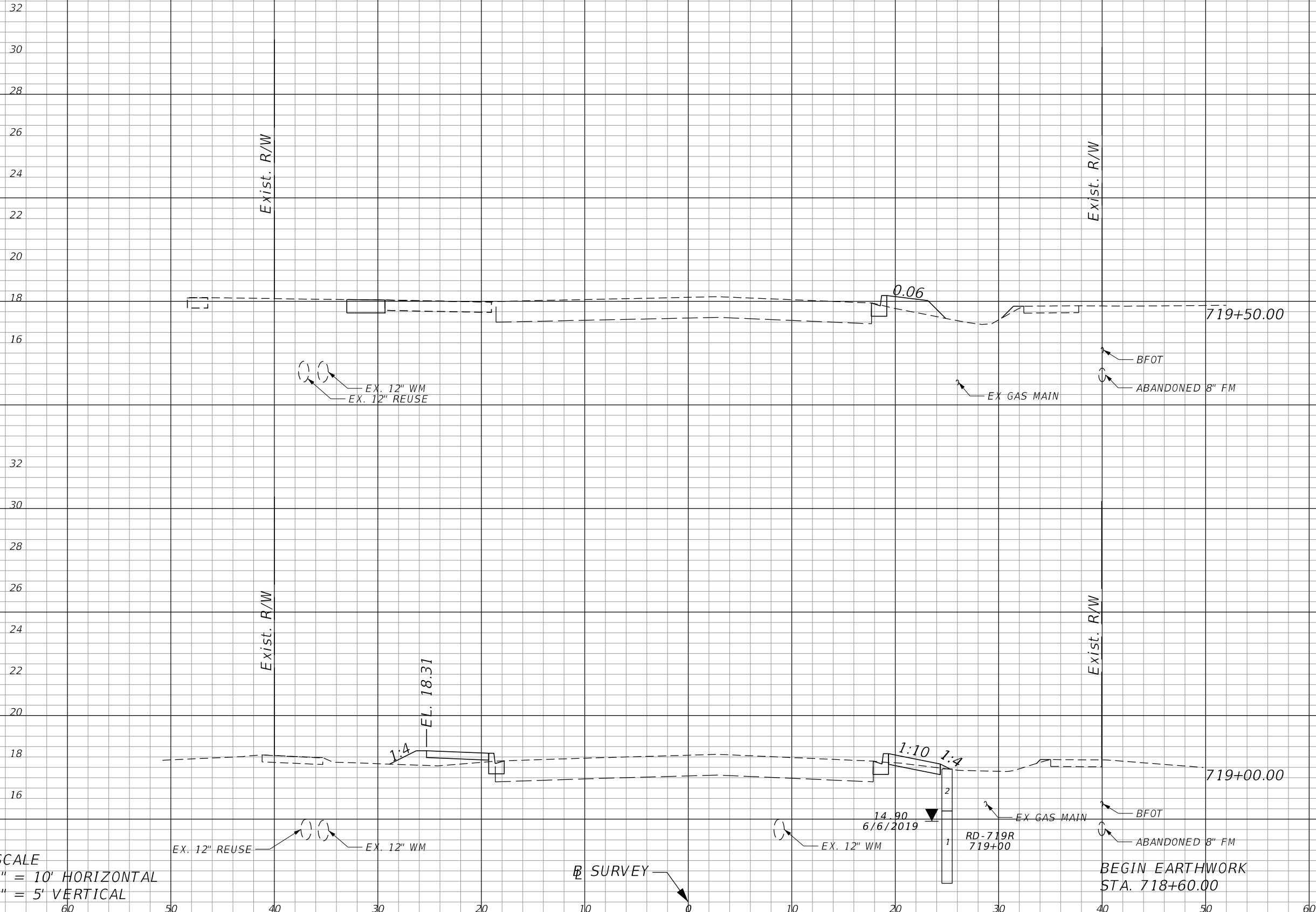
BOR # RW-744R
 STA. 744+00
 REF. SURVEY ALF COLEMAN RD
 OFF. 26 FEET RIGHT
 ELEV. 13.7 FEET
 DATE 6/4/2019
 DRILLER B. GUERRA
 HAMMER AUTOMATIC
 RIG D-25



| REVISIONS | | | | MYRON L. HAYDEN, P.E. P.E. NO.: 34067 ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC. 104 NORTH MAGNOLIA DRIVE TALLAHASSEE, FLORIDA 32301 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | REPORT OF WALL BORINGS (2 OF 2) | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|---|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | 50 |
| | | | | | N/A | BAY | 441742-2-58-01 | | |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

⊕ SURVEY



| Regular | | Exc. | | Embankment | |
|---------|---|------|-----|------------|------|
| A | V | A | V | A | V |
| | | | 4.6 | | 12.1 |
| 3.2 | | | | 3.3 | |
| | | | 4.7 | | 6.8 |
| 1.9 | | | | 4.0 | |
| | | | | | 3.0 |
| 0.0 | | | | 0.0 | |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

⊕ SURVEY

BEGIN EARTHWORK
 STA. 718+60.00

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

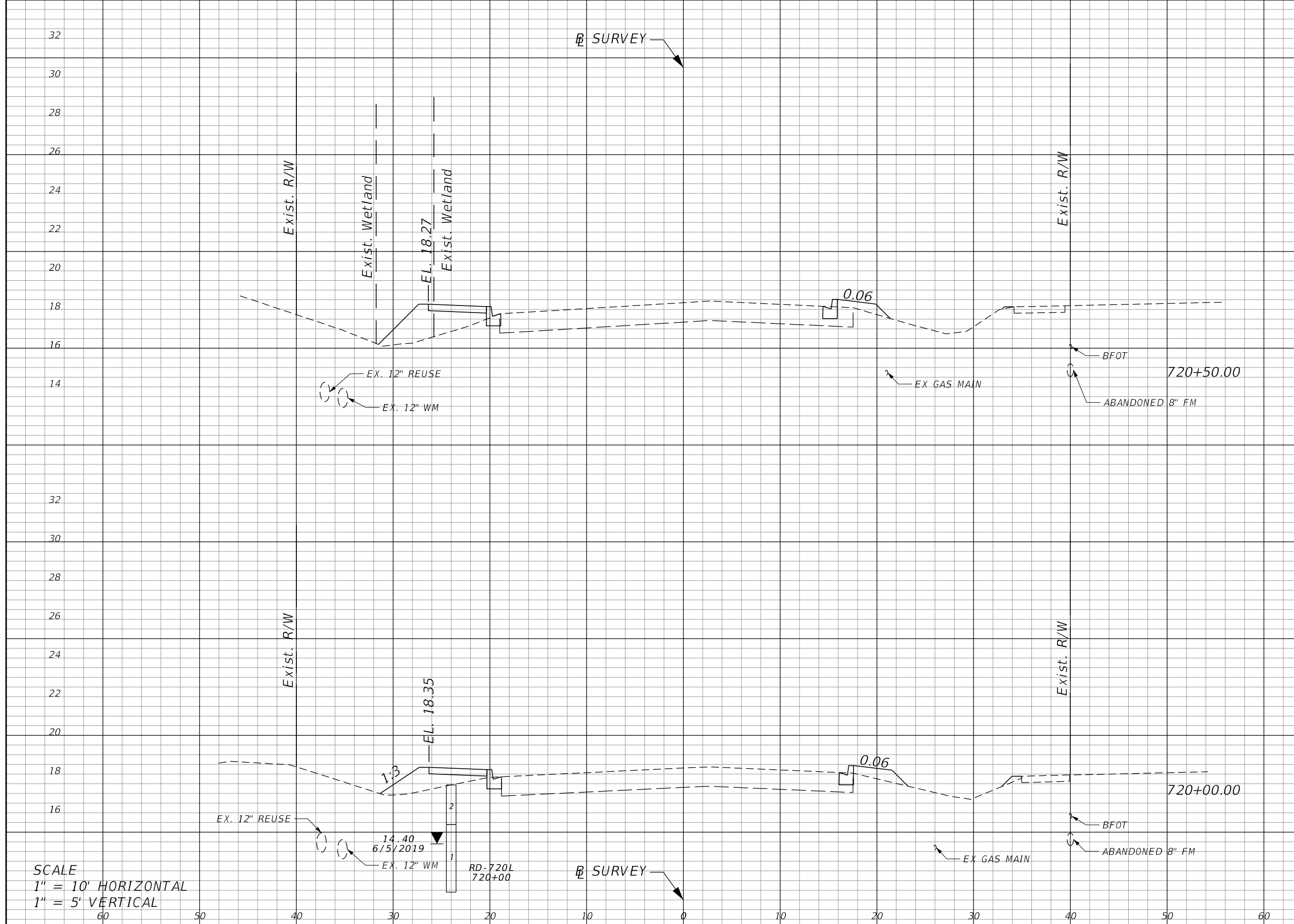
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

CROSS SECTIONS

| |
|-----------|
| SHEET NO. |
| 51 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Regular | | Exc. | | Embankment | |
|---------|---|------|-----|------------|------|
| A | V | A | V | A | V |
| | | | 6.2 | | 17.7 |
| 1.6 | | | | 13.6 | |
| | | | 3.1 | | 21.6 |
| 1.8 | | | | 9.7 | |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

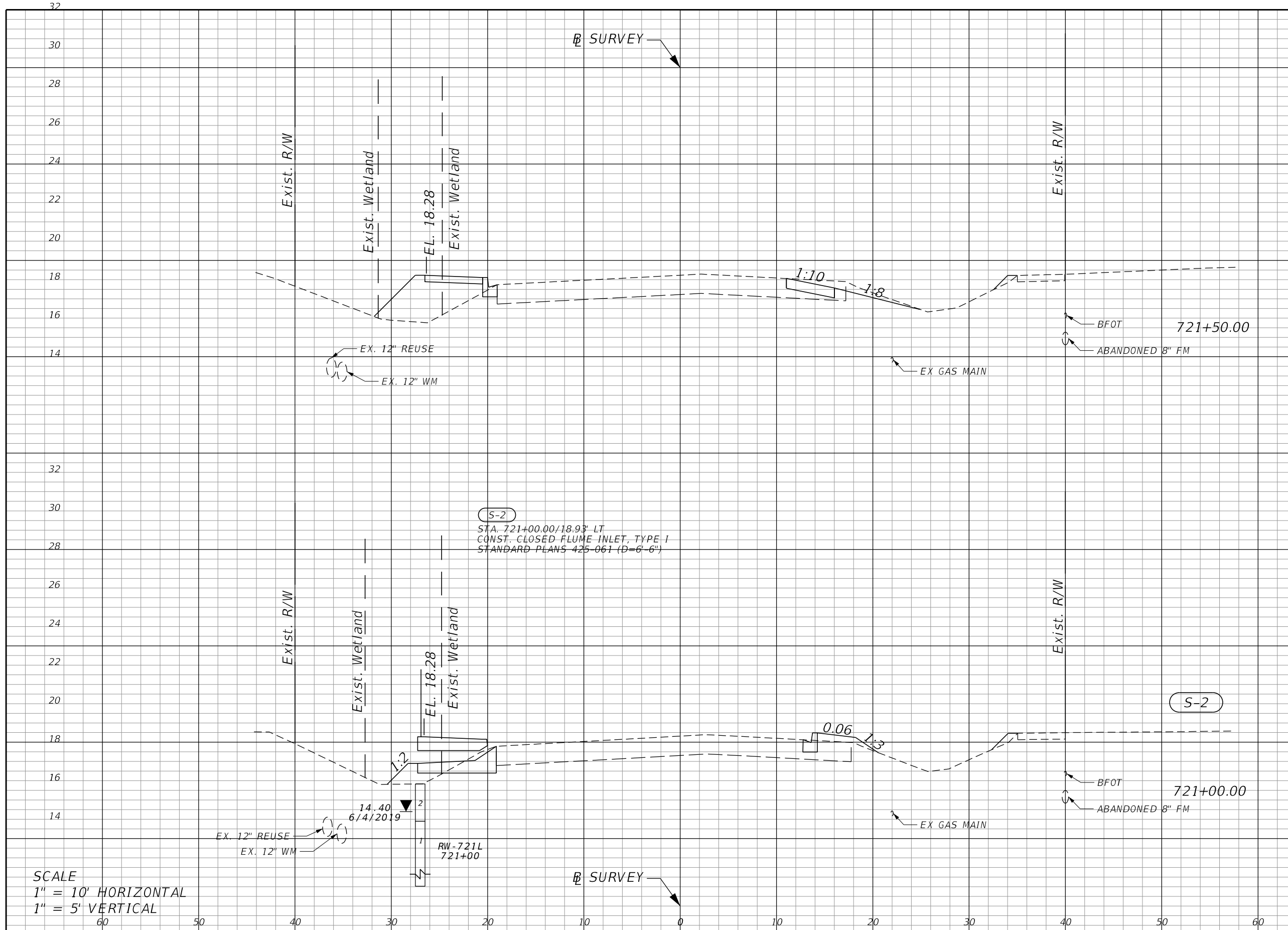
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

CROSS SECTIONS

SHEET NO.
52

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Regular | | Exc. | | Embankment | |
|---------|-----|------|------|------------|---|
| A | V | A | V | A | V |
| 3.6 | 9.1 | 16.3 | 18.4 | | |
| 5.0 | 8.0 | 5.5 | 20.2 | | |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

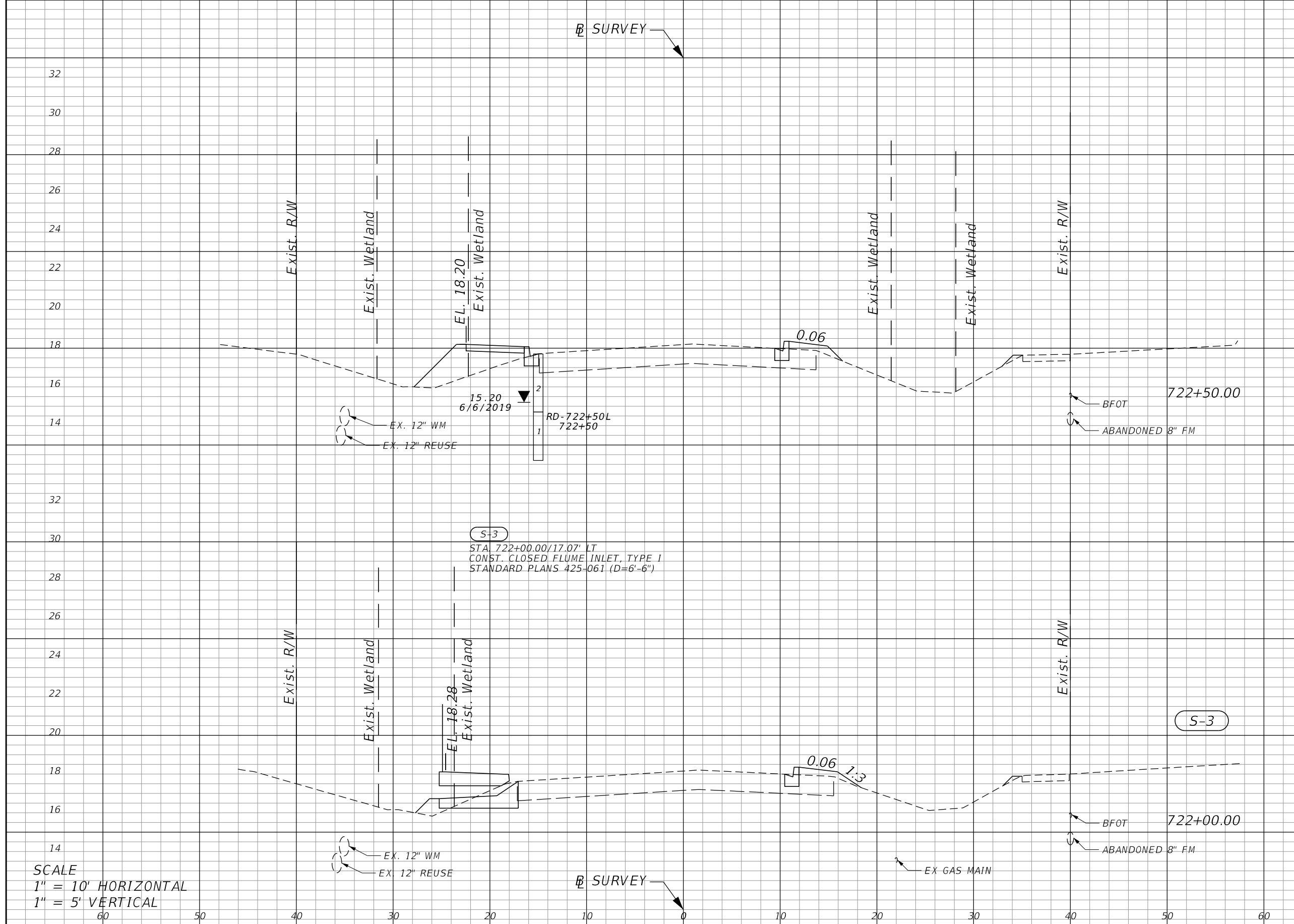
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

CROSS SECTIONS

SHEET NO.
53

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Station | Regular | | Exc. | | Embankment | |
|-----------|---------|---|------|------|------------|------|
| | A | V | A | V | A | V |
| 722+50.00 | 1.7 | | | 12.2 | 13.1 | 12.1 |
| 722+00.00 | 6.3 | | 7.4 | | 3.6 | 15.4 |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

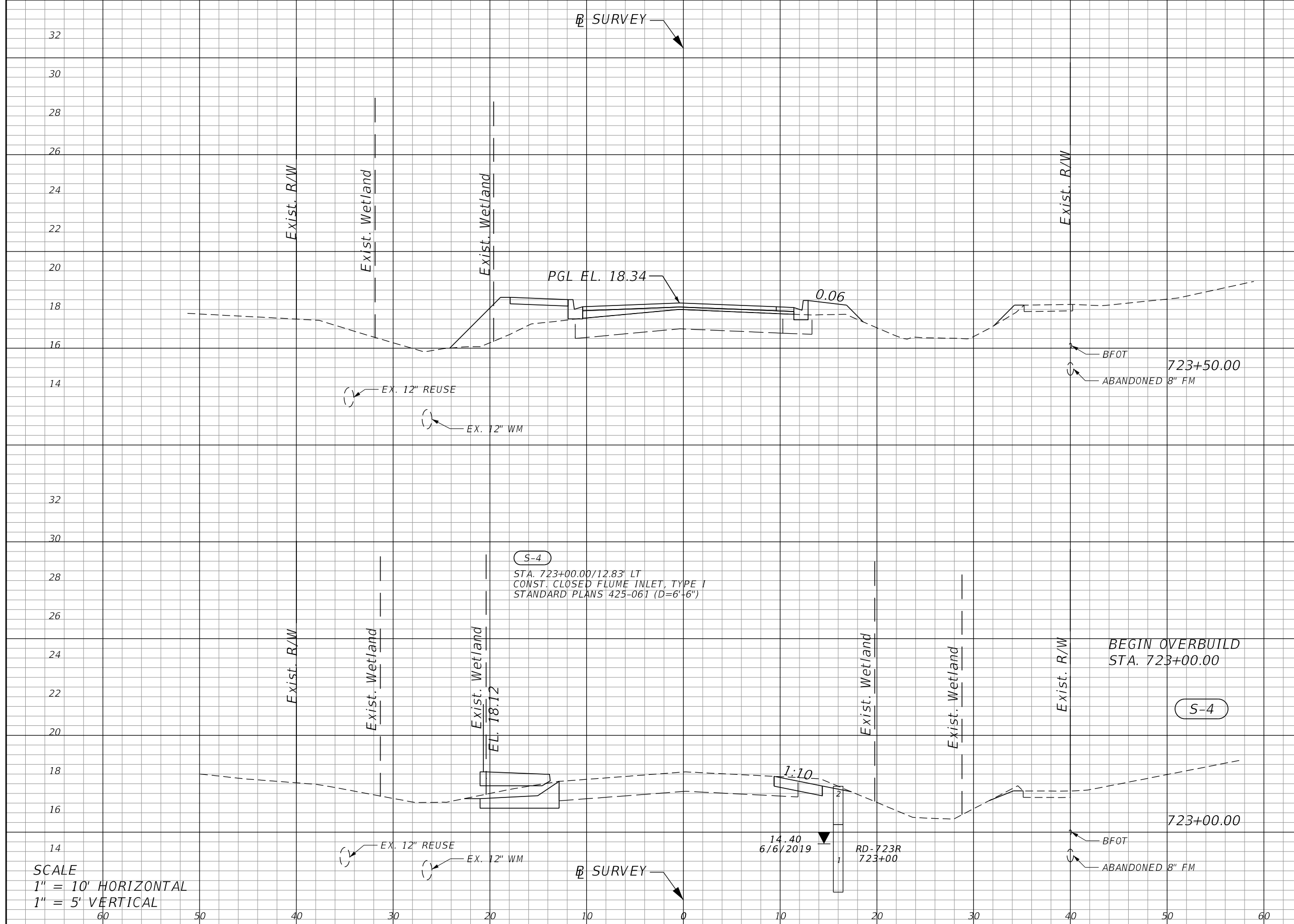
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

CROSS SECTIONS

SHEET NO.
54

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Regular | | Exc. | | Embankment | |
|---------|---|------|------|------------|------|
| A | V | A | V | A | V |
| | | | 0.4 | | 33.0 |
| 0.4 | | | | 17.8 | |
| | | | 11.0 | | 16.4 |
| 11.5 | | | | 0.0 | |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

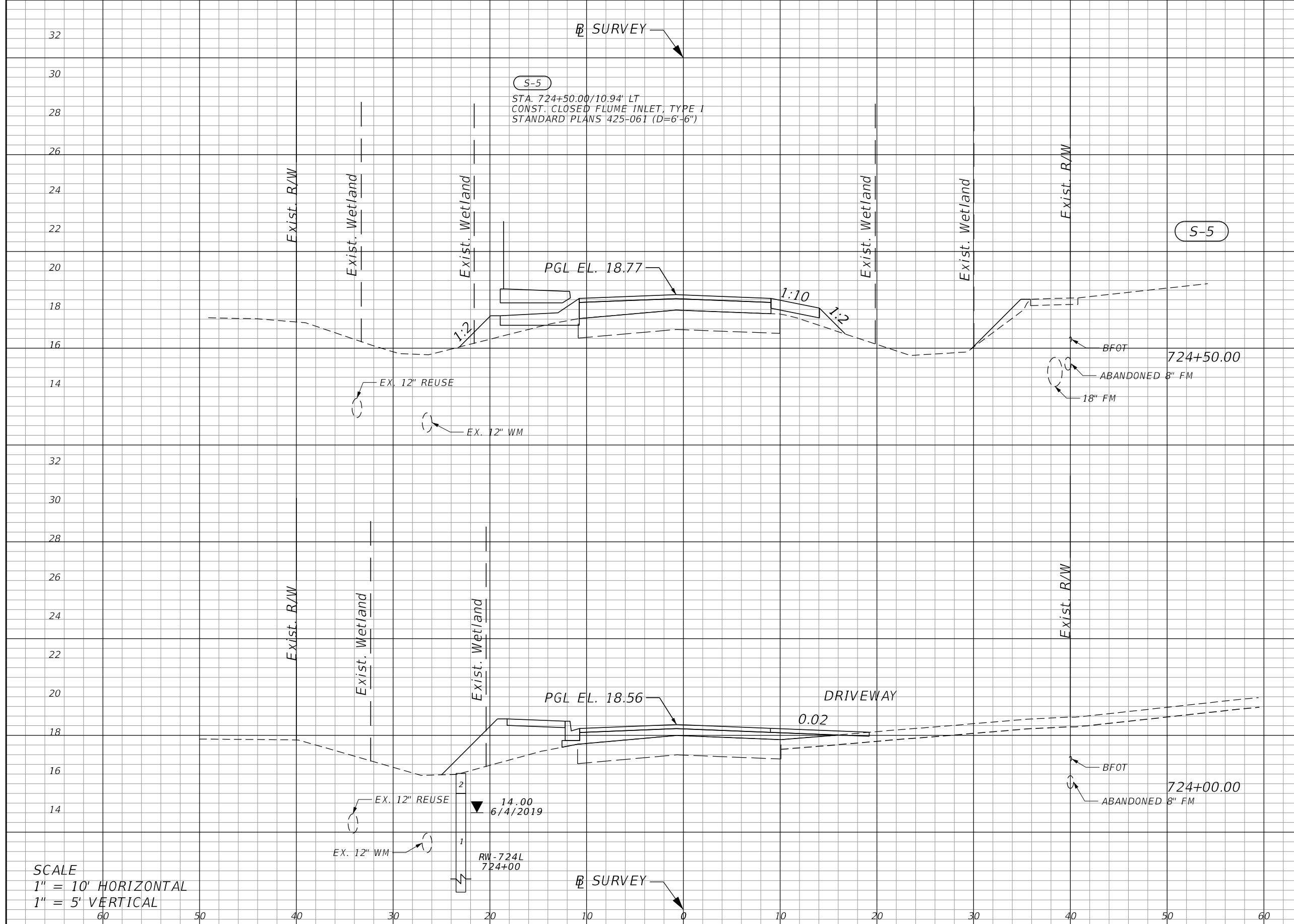
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

CROSS SECTIONS

SHEET NO.
55

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Regular | | Exc. | | Embankment | |
|---------|---|------|-----|------------|------|
| A | V | A | V | A | V |
| | | | 0.5 | | 53.0 |
| 0.6 | | | | 11.3 | |
| | | | 0.5 | | 27.0 |
| 0.0 | | | | 17.8 | |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

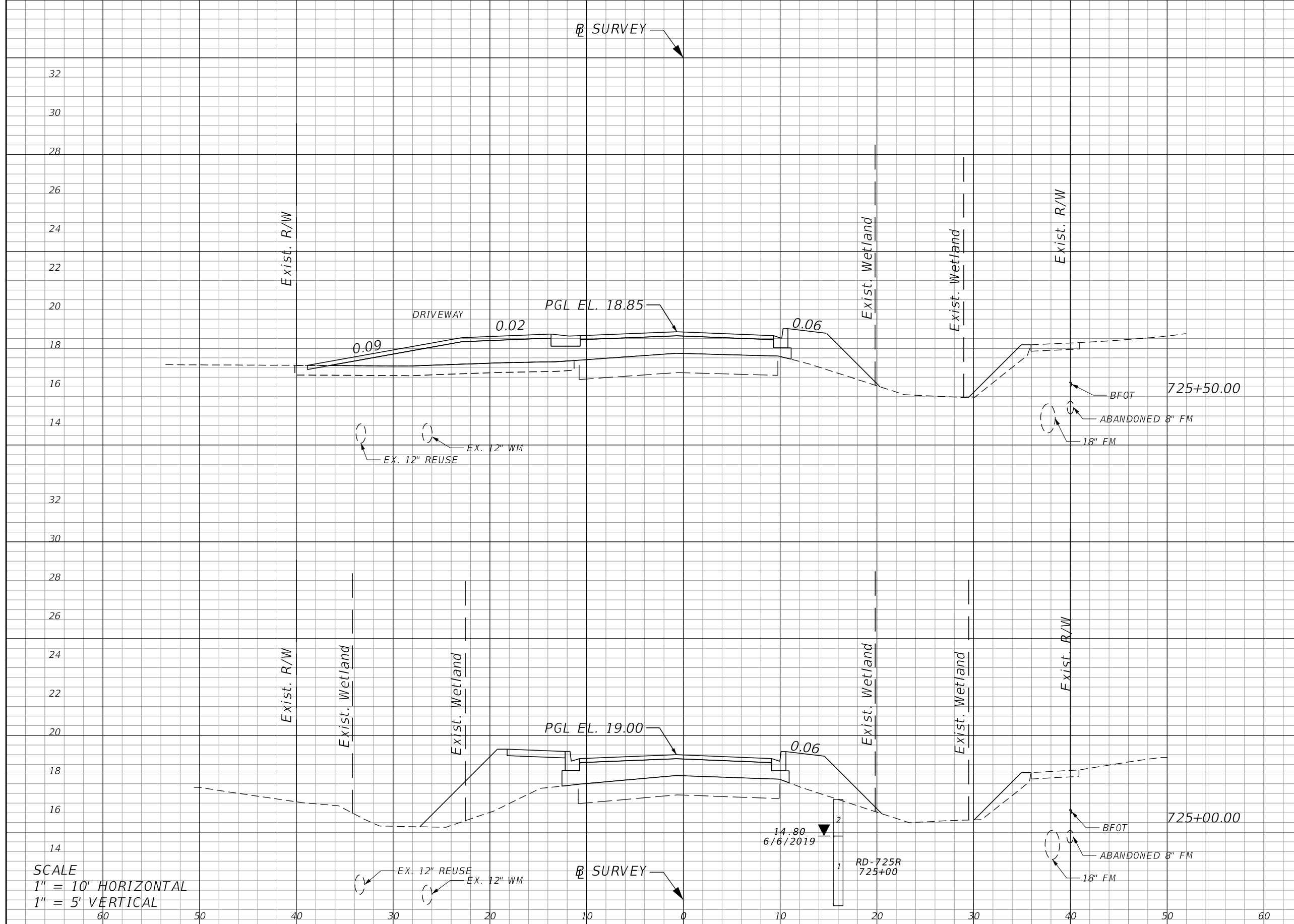
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

CROSS SECTIONS

SHEET NO.
56

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Regular | | Exc. | | Embankment | |
|---------|-----|------|-----|------------|-----|
| A | V | A | V | A | V |
| 0.0 | 0.3 | 15.8 | 0.0 | 28.5 | 0.0 |
| 0.0 | 0.0 | 45.9 | 0.0 | 57.2 | 0.0 |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

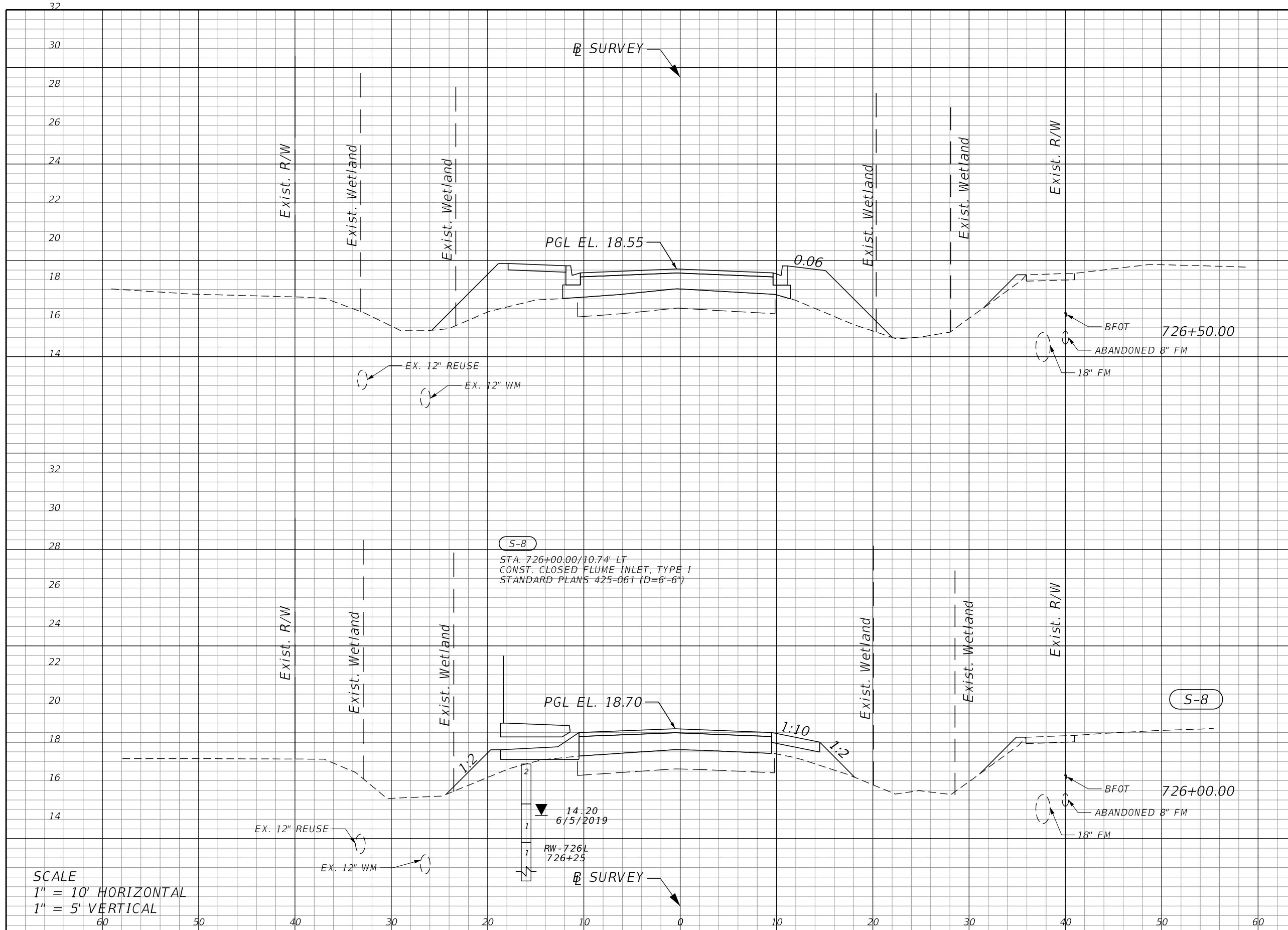
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

CROSS SECTIONS

SHEET NO.
57

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Regular | | Exc. | | Embankment | |
|---------|-----|------|-----|------------|------|
| A | V | A | V | A | V |
| 0.0 | 0.0 | 0.0 | 0.0 | 38.7 | 58.8 |
| 0.3 | 0.3 | 0.3 | 0.3 | 14.9 | 49.6 |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

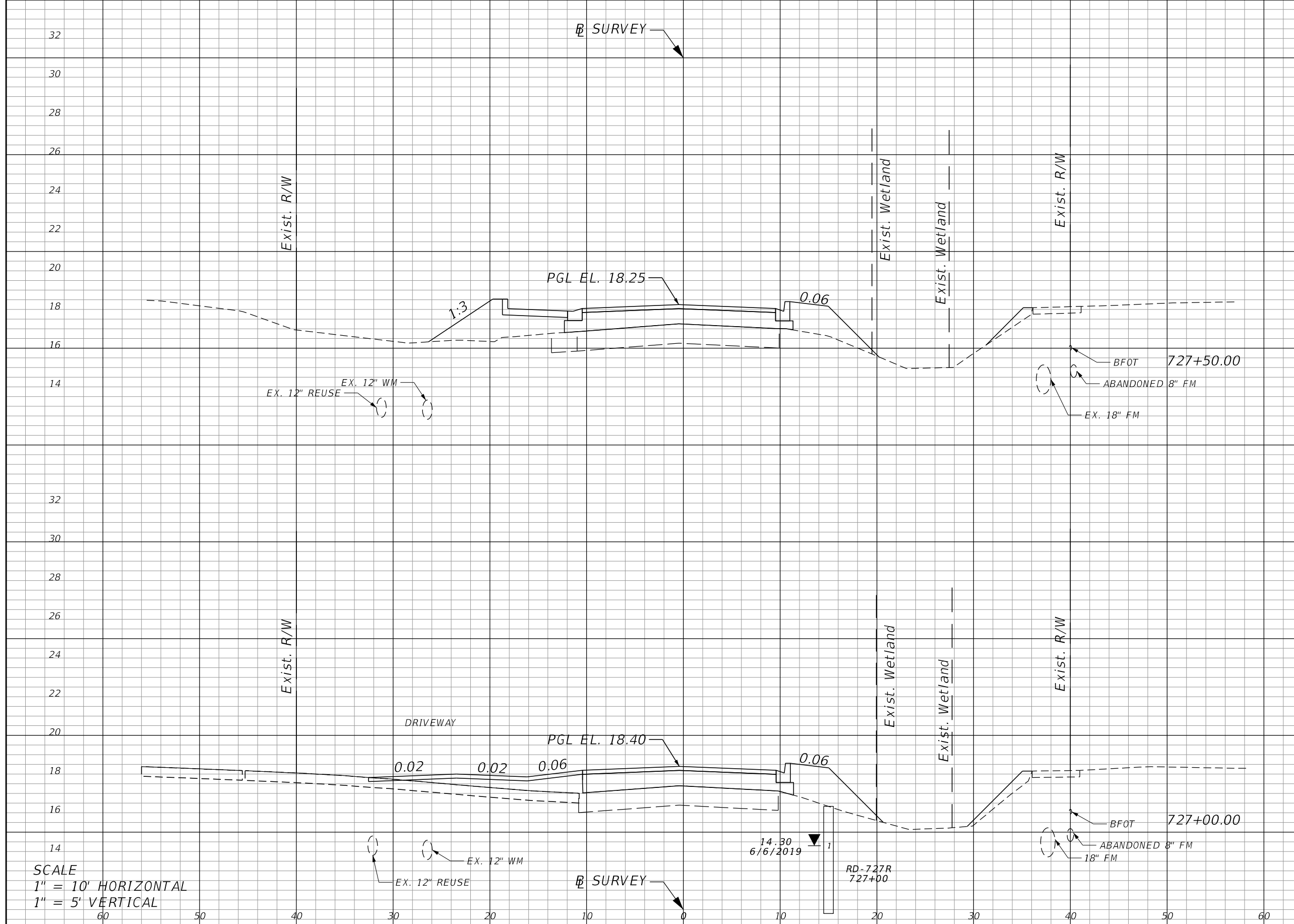
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

CROSS SECTIONS

SHEET NO.
58

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Regular | | Exc. | | Embankment | |
|---------|-----|------|-----|------------|------|
| A | V | A | V | A | V |
| 0.0 | 1.0 | 0.0 | 0.0 | 28.6 | 29.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 24.8 | 49.5 |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

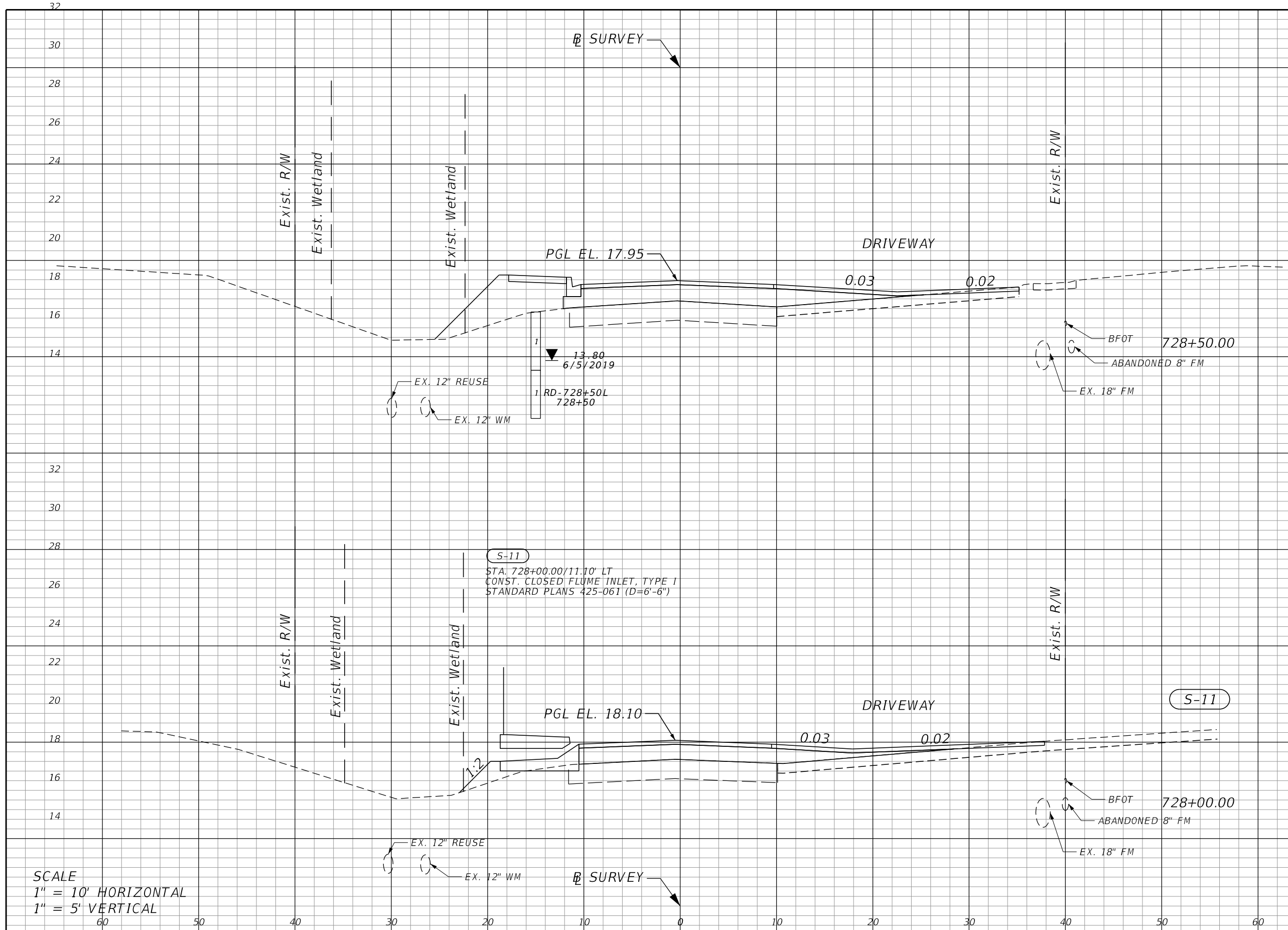
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

CROSS SECTIONS

SHEET NO.
59

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Regular | | Exc. | | Embankment | |
|---------|-----|------|-----|------------|------|
| A | V | A | V | A | V |
| 0.0 | 0.0 | 0.0 | 0.0 | 21.1 | 52.1 |
| 1.0 | 1.0 | 1.0 | 1.0 | 3.3 | 22.5 |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

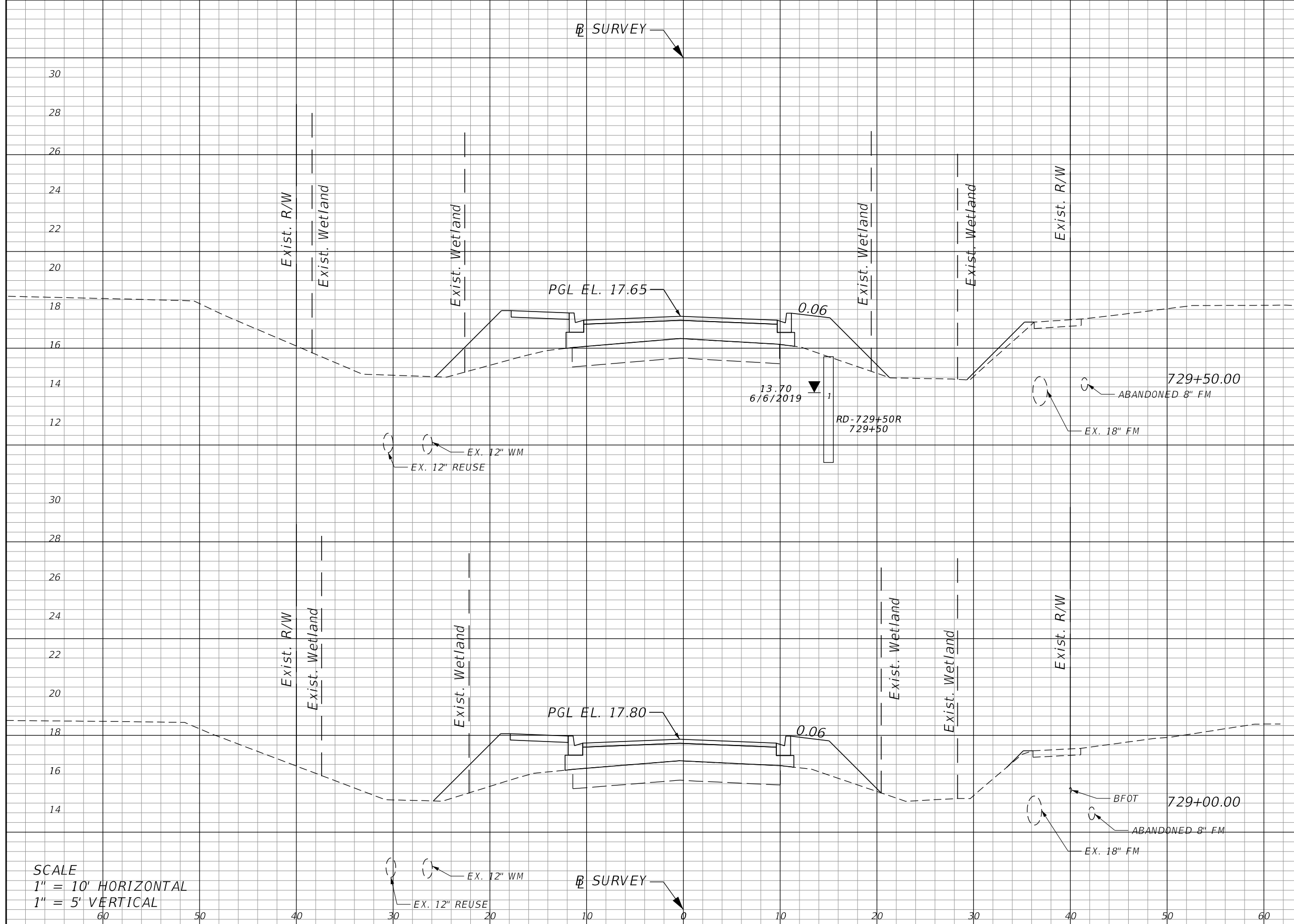
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

CROSS SECTIONS

SHEET NO.
60

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Regular | | Exc. | | Embankment | |
|---------|-----|------|-----|------------|------|
| A | V | A | V | A | V |
| 0.0 | 0.0 | 0.0 | 0.0 | 40.5 | 55.3 |
| 0.0 | 0.0 | 0.0 | 0.0 | 70.0 | 70.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 35.2 | 35.2 |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

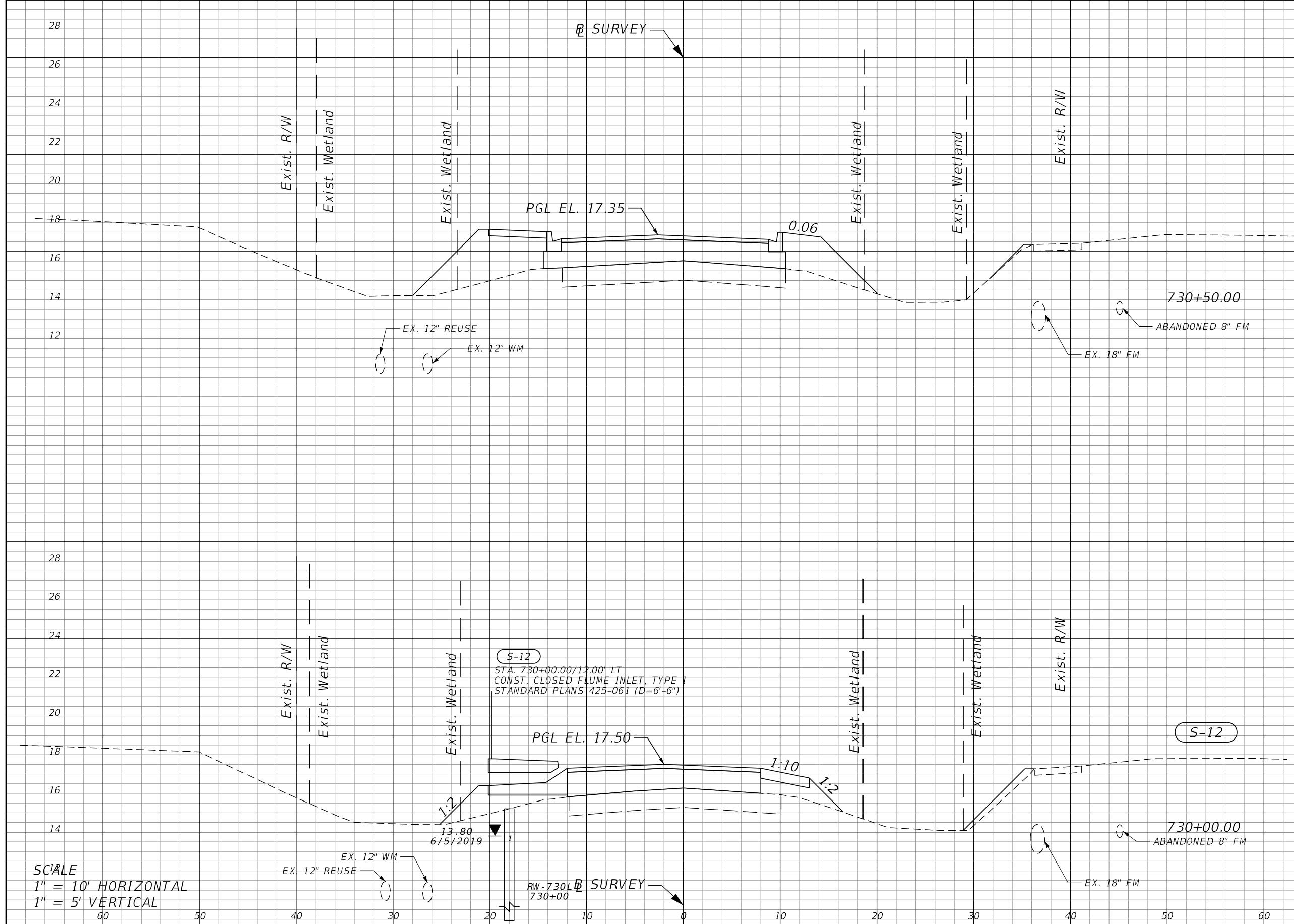
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

CROSS SECTIONS

SHEET NO.
61

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Regular | | Exc. | | Embankment | |
|---------|-----|------|-----|------------|------|
| A | V | A | V | A | V |
| 0.0 | 0.0 | 0.0 | 0.0 | 40.9 | 59.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 19.3 | 55.7 |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

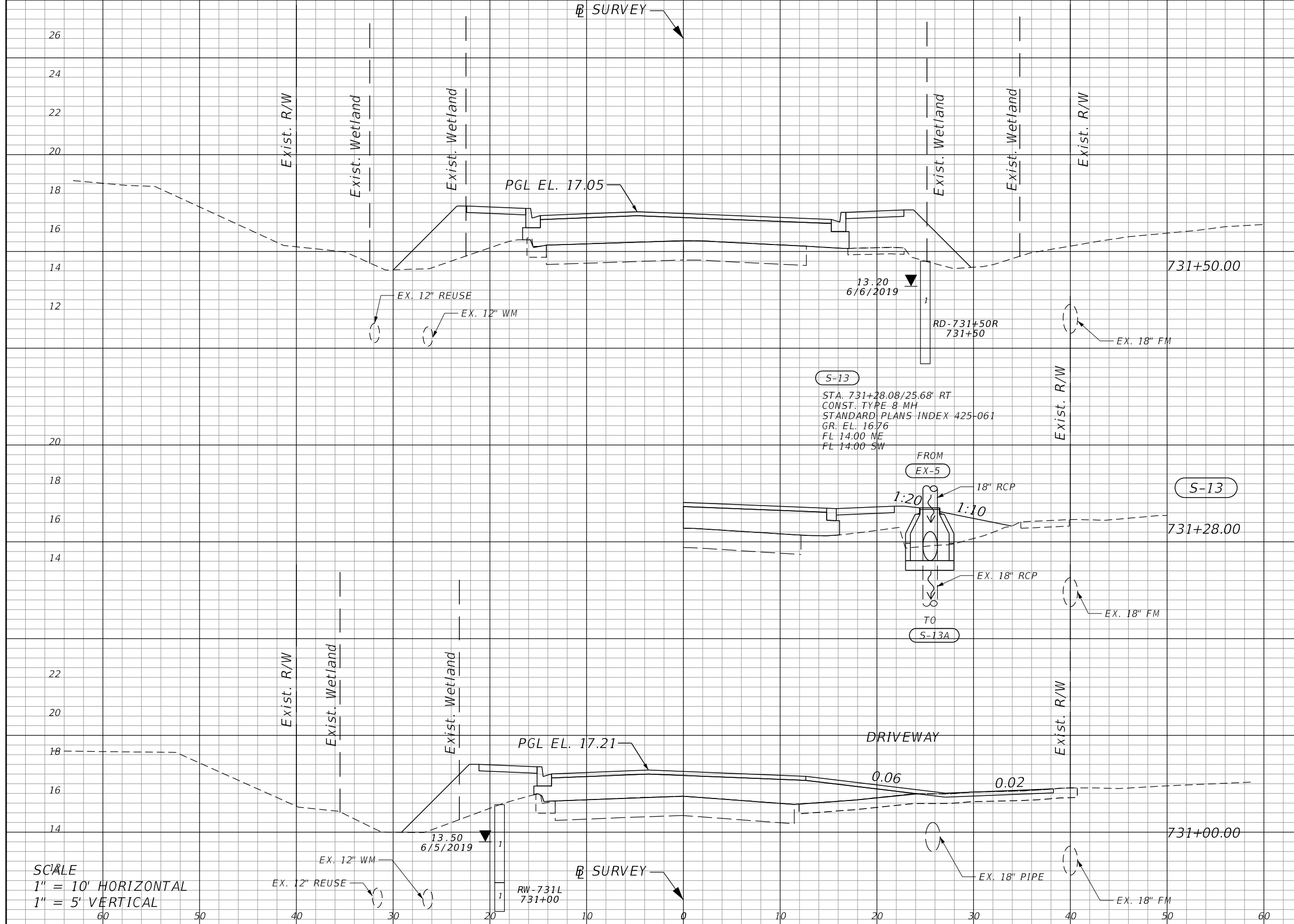
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

CROSS SECTIONS

SHEET NO.
62

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Regular | | Exc. | | Embankment | |
|---------|---|------|-----|------------|------|
| A | V | A | V | A | V |
| | | | 0.2 | | 65.4 |
| 0.0 | | | | 45.1 | |
| | | | | | 63.4 |
| 0.0 | | | | 23.3 | |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

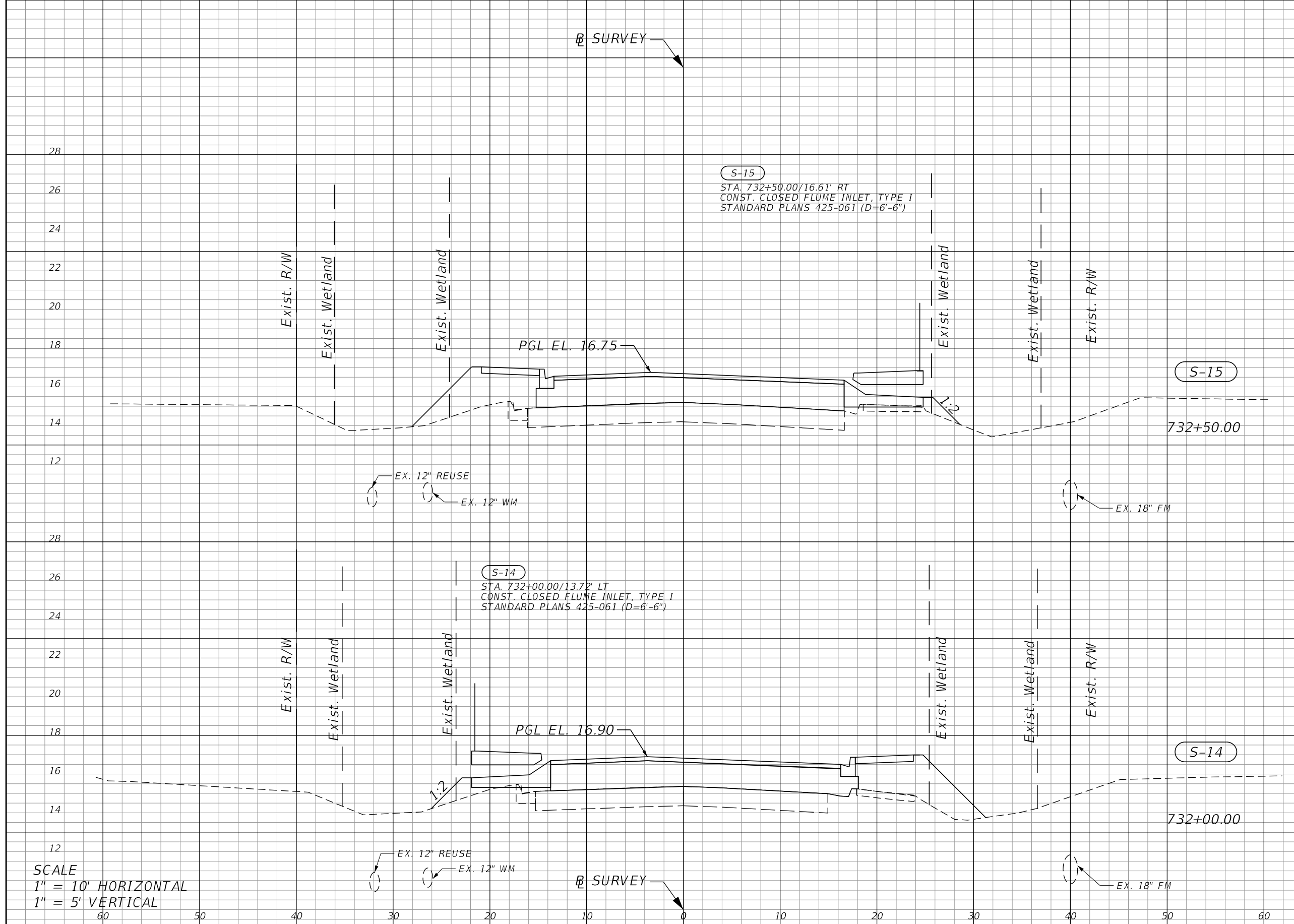
| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

| CROSS SECTIONS | | SHEET NO. |
|----------------|--|-----------|
| | | 63 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Regular | | Exc. | | Embankment | |
|---------|-----|------|-----|------------|-----|
| A | V | A | V | A | V |
| 0.1 | 0.0 | 22.9 | 0.0 | 60.8 | 0.0 |
| 0.2 | 0.2 | 25.5 | 0.2 | 44.7 | 0.2 |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

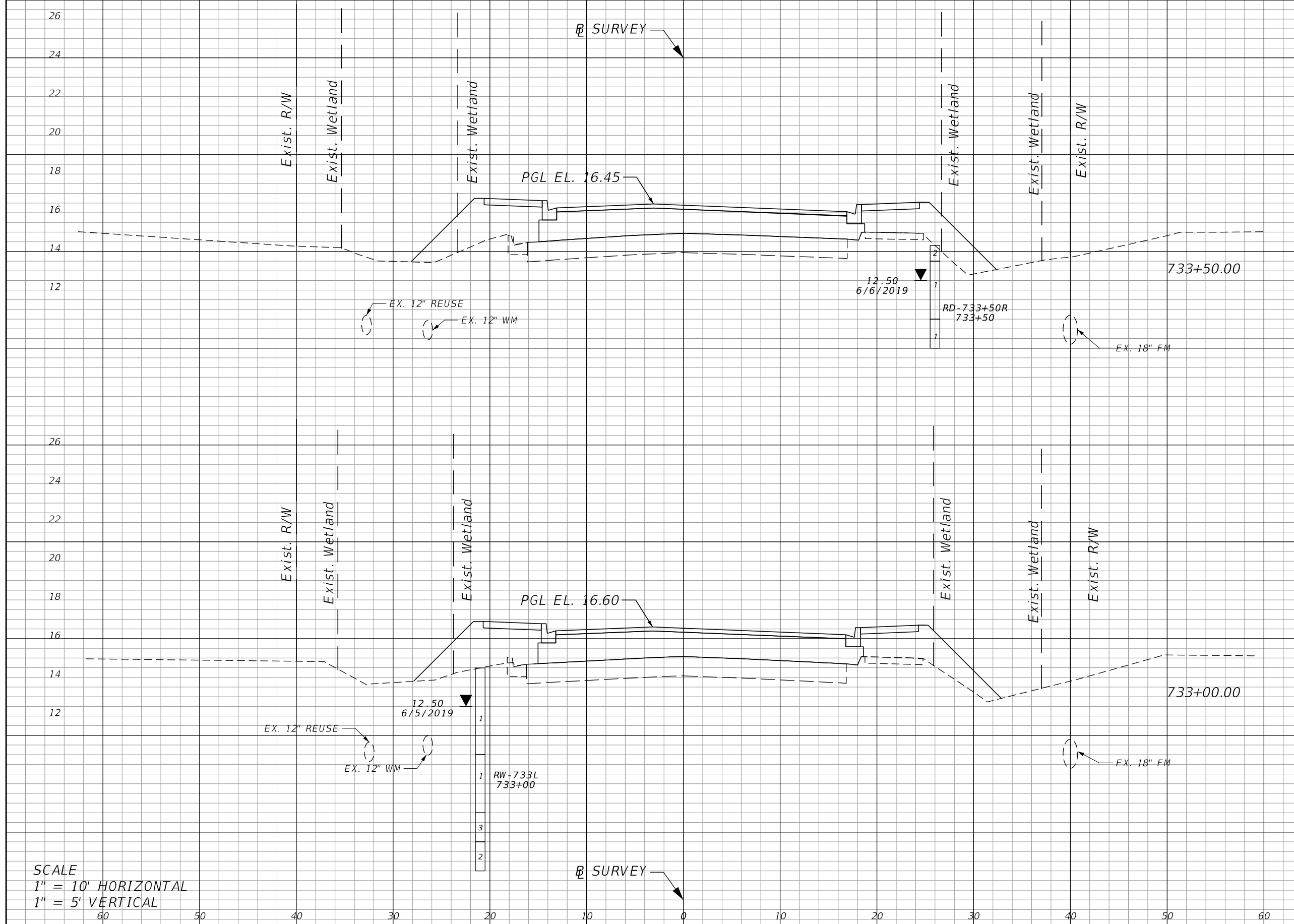
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

CROSS SECTIONS

SHEET NO.
64

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Regular | | Exc. | | Embankment | |
|---------|-----|------|-----|------------|------|
| A | V | A | V | A | V |
| 0.0 | 2.0 | 0.0 | 0.0 | 43.6 | 47.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 42.8 | 80.0 |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

| | |
|-----------------------|-----------------|
| CROSS SECTIONS | SHEET NO. 65 |
|-----------------------|-----------------|

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

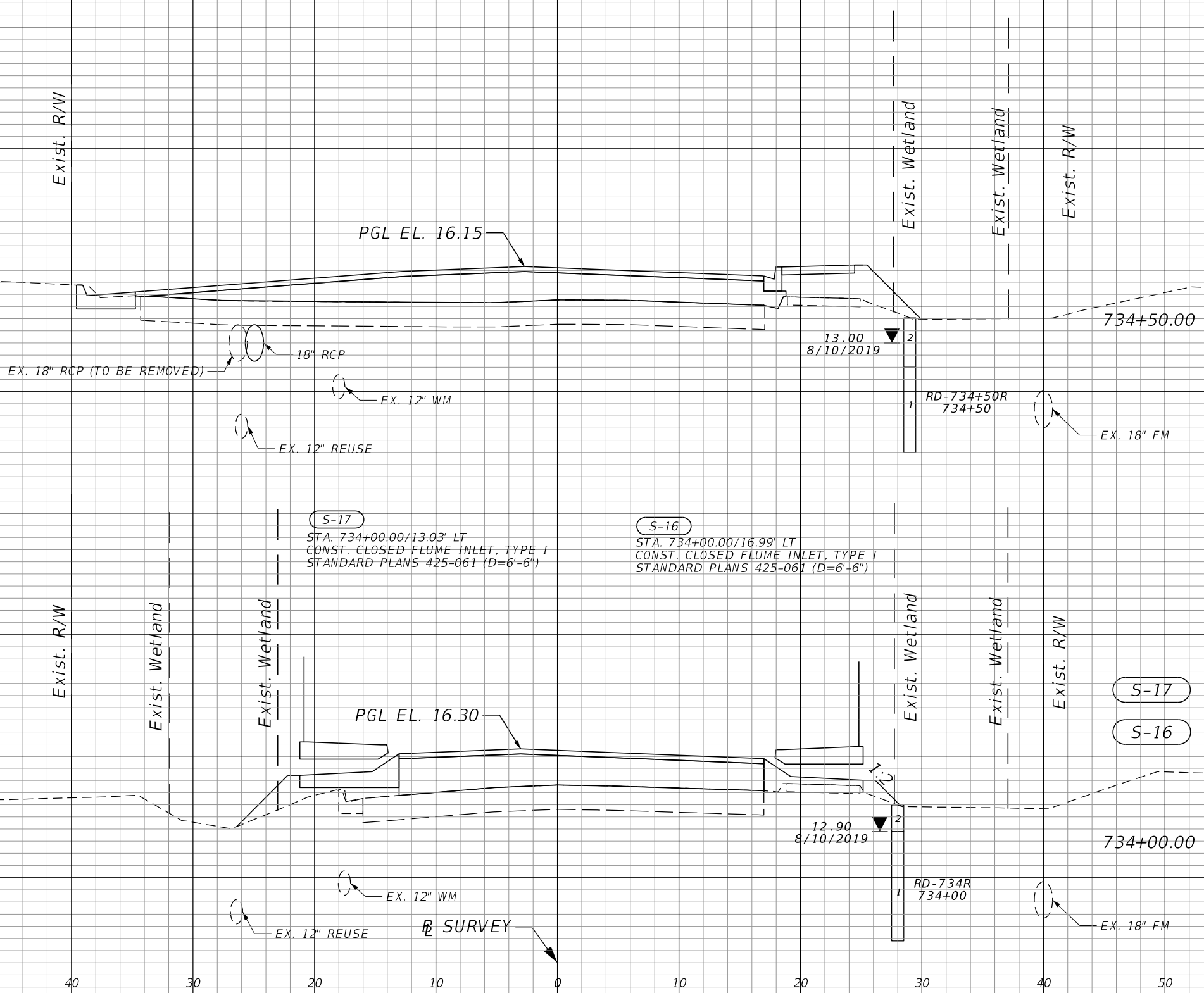
B SURVEY

END OVERBUILD
BEGIN RECONSTRUCTION
STA. 734+90.00

BEGIN SUBSOIL EXCAVATION
STA. 734+75.00

| Subsoil Exc. | | Regular Exc. | | Embankment | |
|--------------|------|--------------|-----|------------|------|
| A | V | A | V | A | V |
| 47.6 | 44.0 | | 7.2 | | 64.0 |
| | | 3.1 | | 11.7 | |
| | | | 4.9 | | 18.3 |
| | | 2.2 | | 8.0 | |

28
26
24
22
20
18
16
14
12
28
26
24
22
20
18
16
14
12
10



SCALE
1" = 10' HORIZONTAL
1" = 5' VERTICAL

S-17
STA. 734+00.00/13.03' LT
CONST. CLOSED FLUME INLET, TYPE I
STANDARD PLANS 425-061 (D=6'-6")

S-16
STA. 734+00.00/16.99' LT
CONST. CLOSED FLUME INLET, TYPE I
STANDARD PLANS 425-061 (D=6'-6")

B SURVEY

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

RICKY L. DODD, P.E.
P.E. LICENSE NUMBER 88526
GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DR.
CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

CROSS SECTIONS

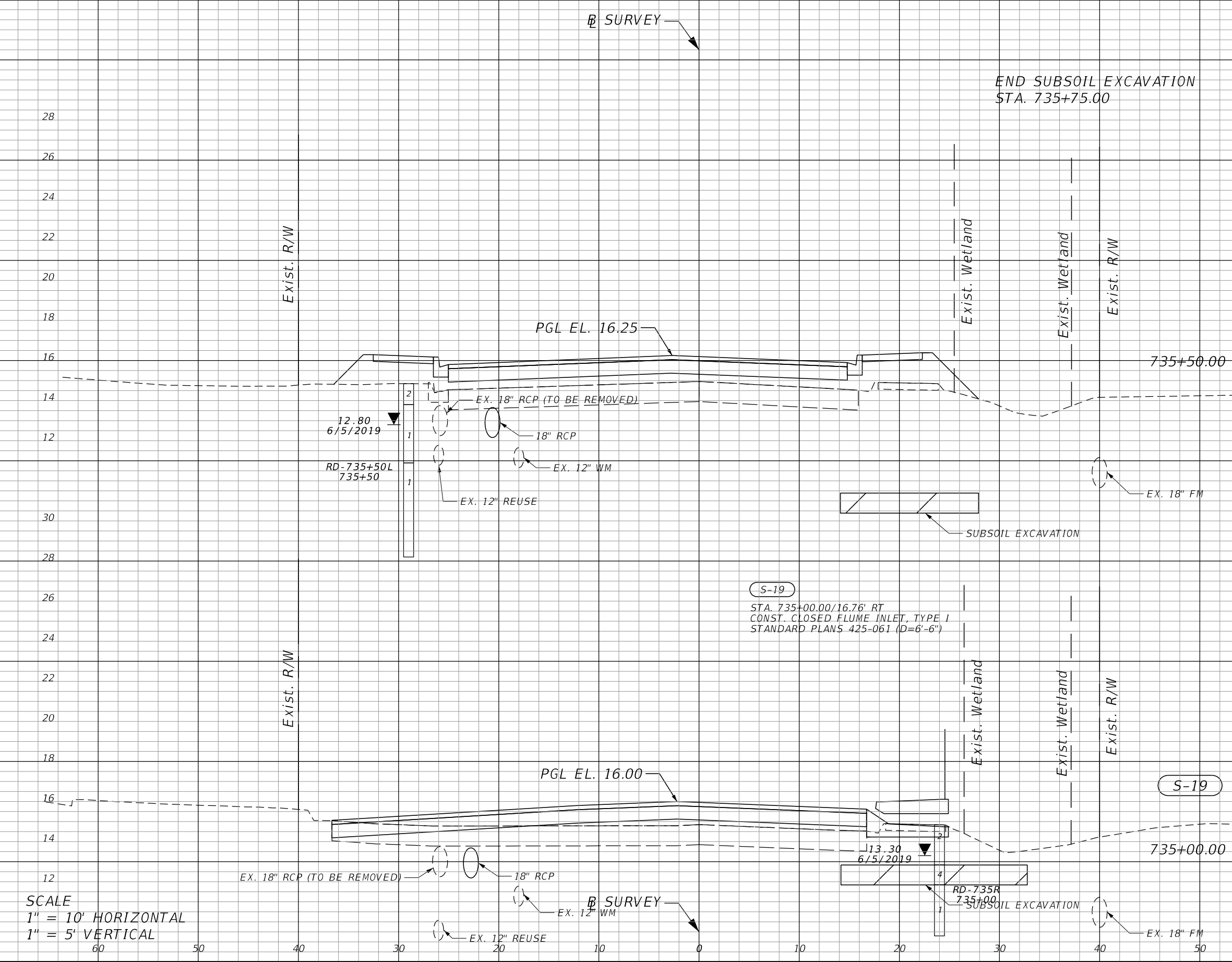
SHEET NO.
66

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

B SURVEY

END SUBSOIL EXCAVATION
STA. 735+75.00

| Subsoil Exc. | | Regular Exc. | | Embankment | |
|--------------|-------|--------------|-----|------------|-------|
| A | V | A | V | A | V |
| 86.4 | | | 0.0 | | 117.8 |
| | 80.0 | | | | |
| 86.4 | | 0.0 | | 108.9 | |
| | 124.0 | | 4.3 | | 154.0 |
| 47.6 | | 4.7 | | 57.5 | |



SCALE
1" = 10' HORIZONTAL
1" = 5' VERTICAL

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

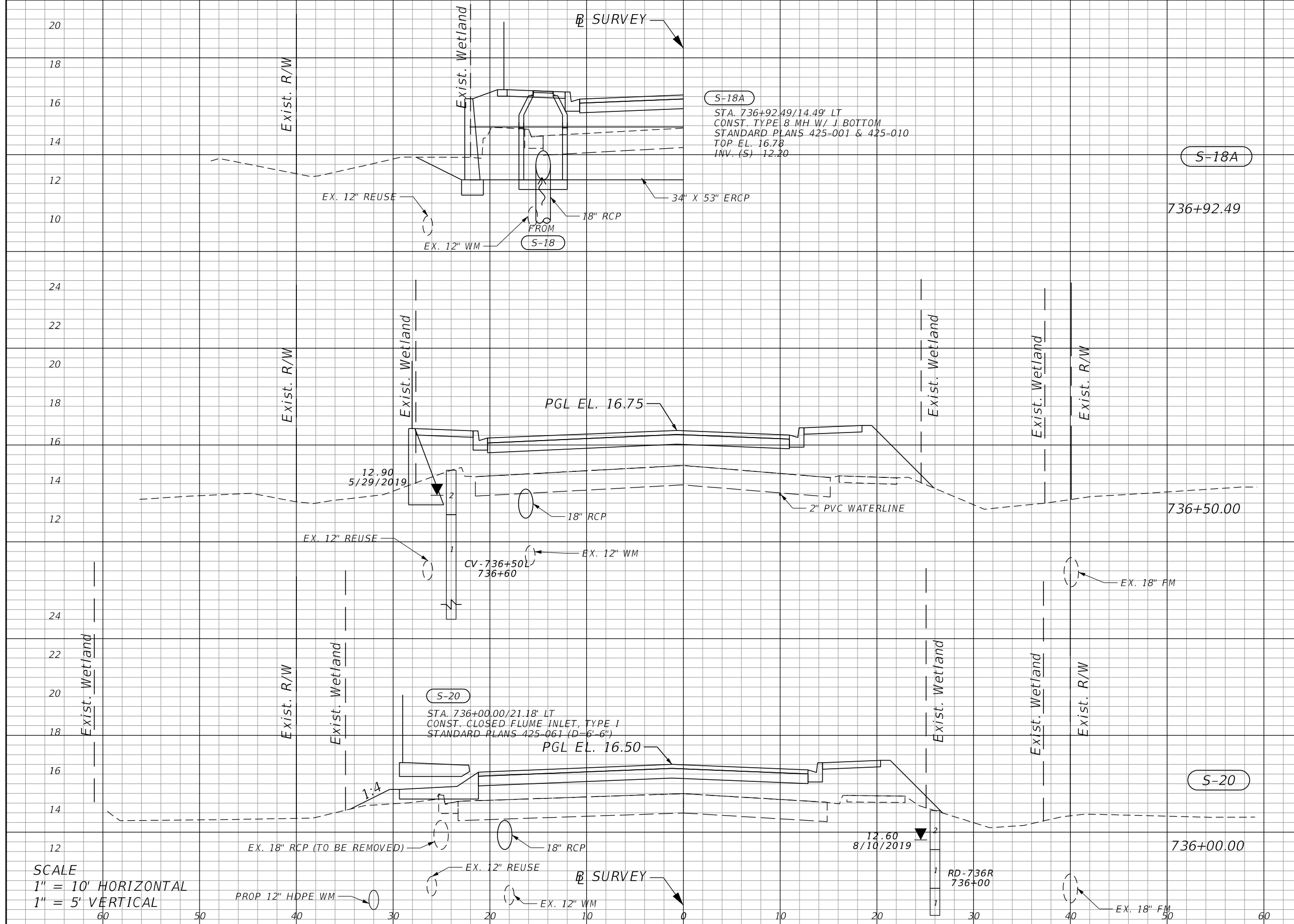
RICKY L. DODD, P.E.
P.E. LICENSE NUMBER 88526
GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DR.
CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

CROSS SECTIONS

SHEET NO.
67

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Regular | | Exc. | | Embankment | |
|---------|---|------|-----|------------|------|
| A | V | A | V | A | V |
| | | | 5.6 | | 70.3 |
| 2.8 | | | | 40.4 | |
| | | | 2.6 | | 54.4 |
| 0.0 | | | | 18.3 | |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

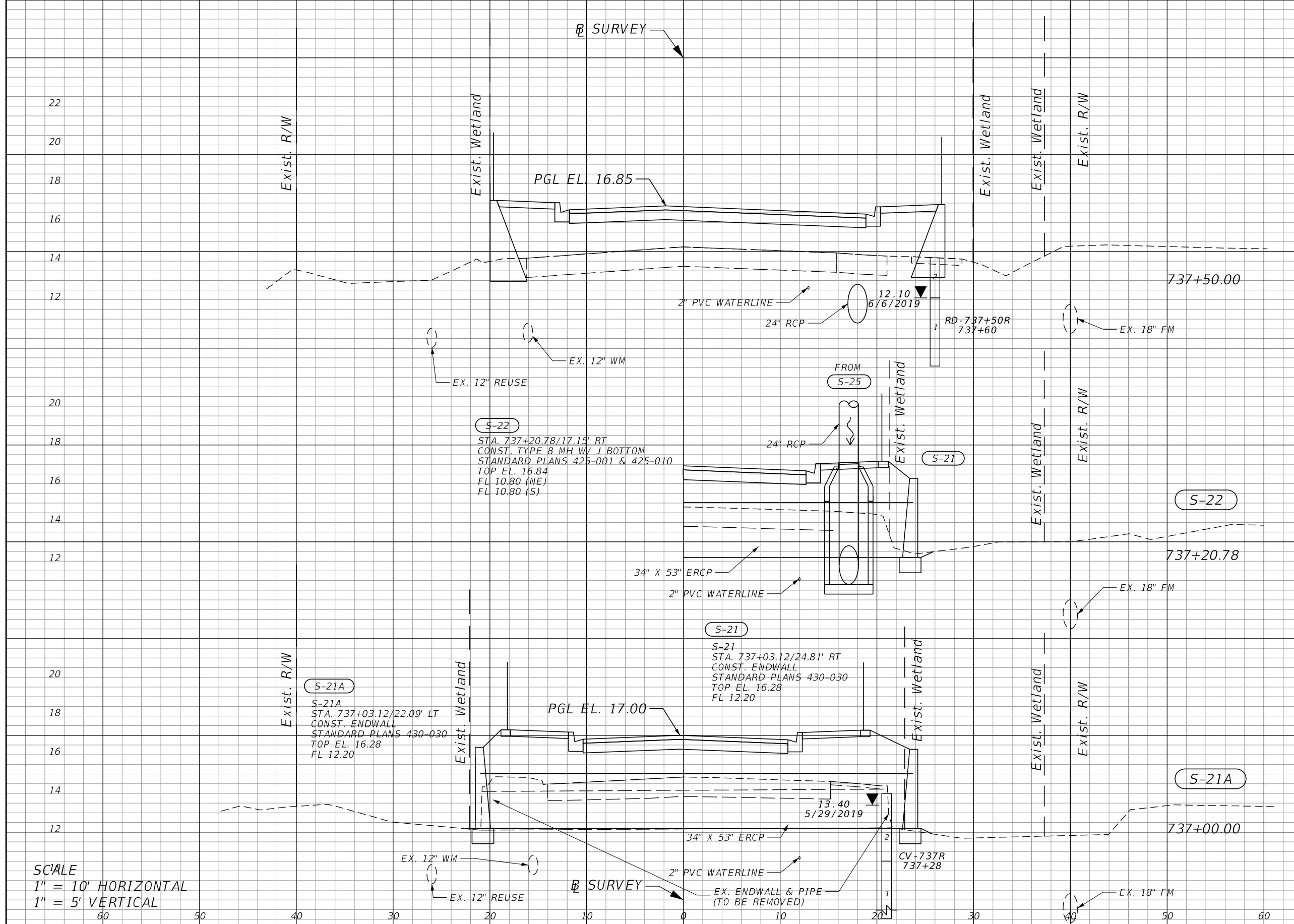
| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

| CROSS SECTIONS | | SHEET NO. |
|----------------|--|-----------|
| | | 68 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Regular | | Exc. | | Embankment | |
|---------|------|------|------|------------|---|
| A | V | A | V | A | V |
| | 16.4 | | 53.8 | | |
| 8.2 | | 40.6 | | | |
| 10.6 | | 70.5 | | | |
| 3.3 | | 35.5 | | | |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

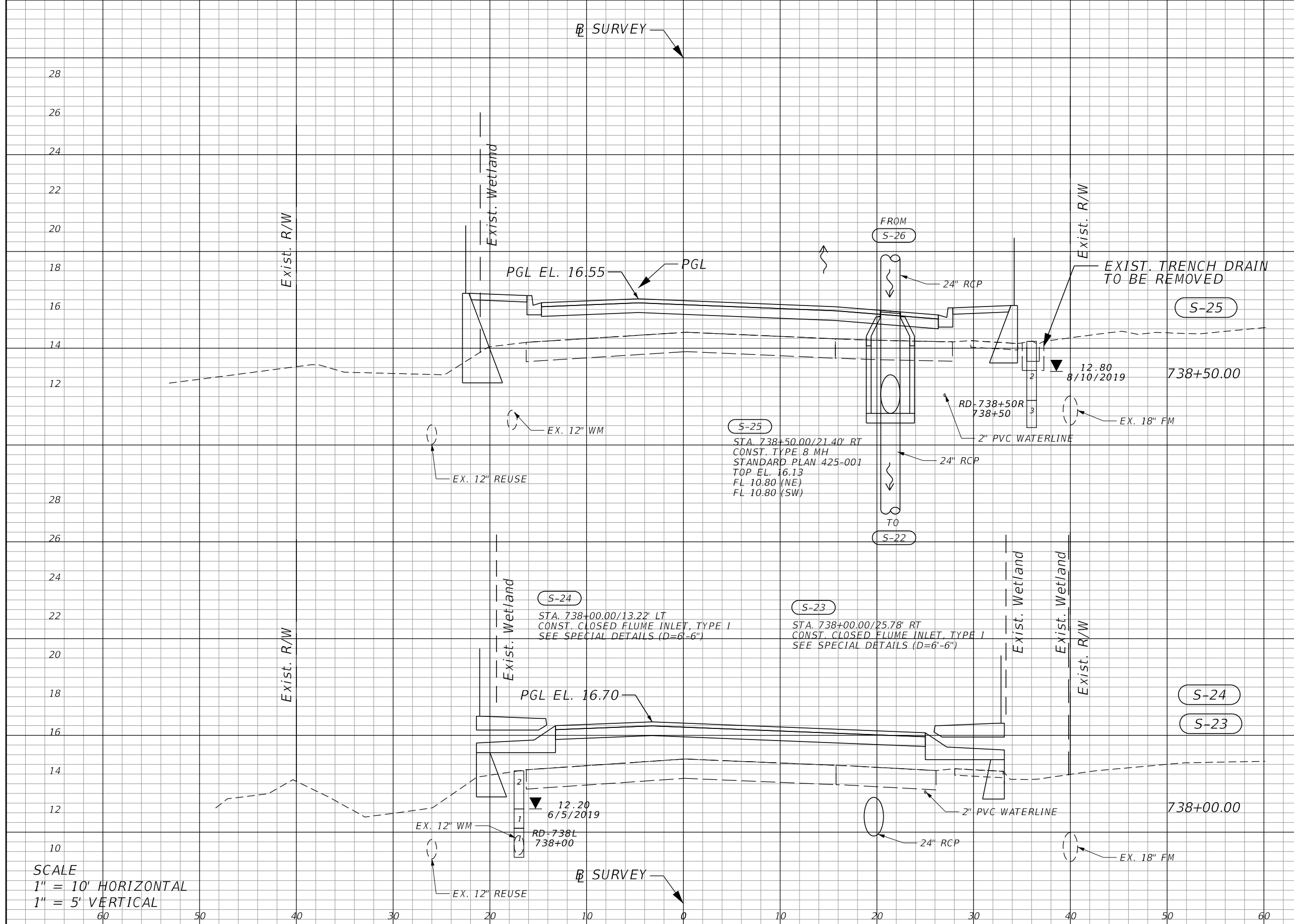
| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

| CROSS SECTIONS | | SHEET NO. |
|----------------|--|-----------|
| | | 69 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Regular | | Exc. | | Embankment | |
|---------|---|------|------|------------|---|
| A | V | A | V | A | V |
| | | | 17.6 | 37.0 | |
| 12.1 | | | 20.9 | | |
| | | | 20.0 | 35.6 | |
| 9.5 | | | 17.6 | | |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

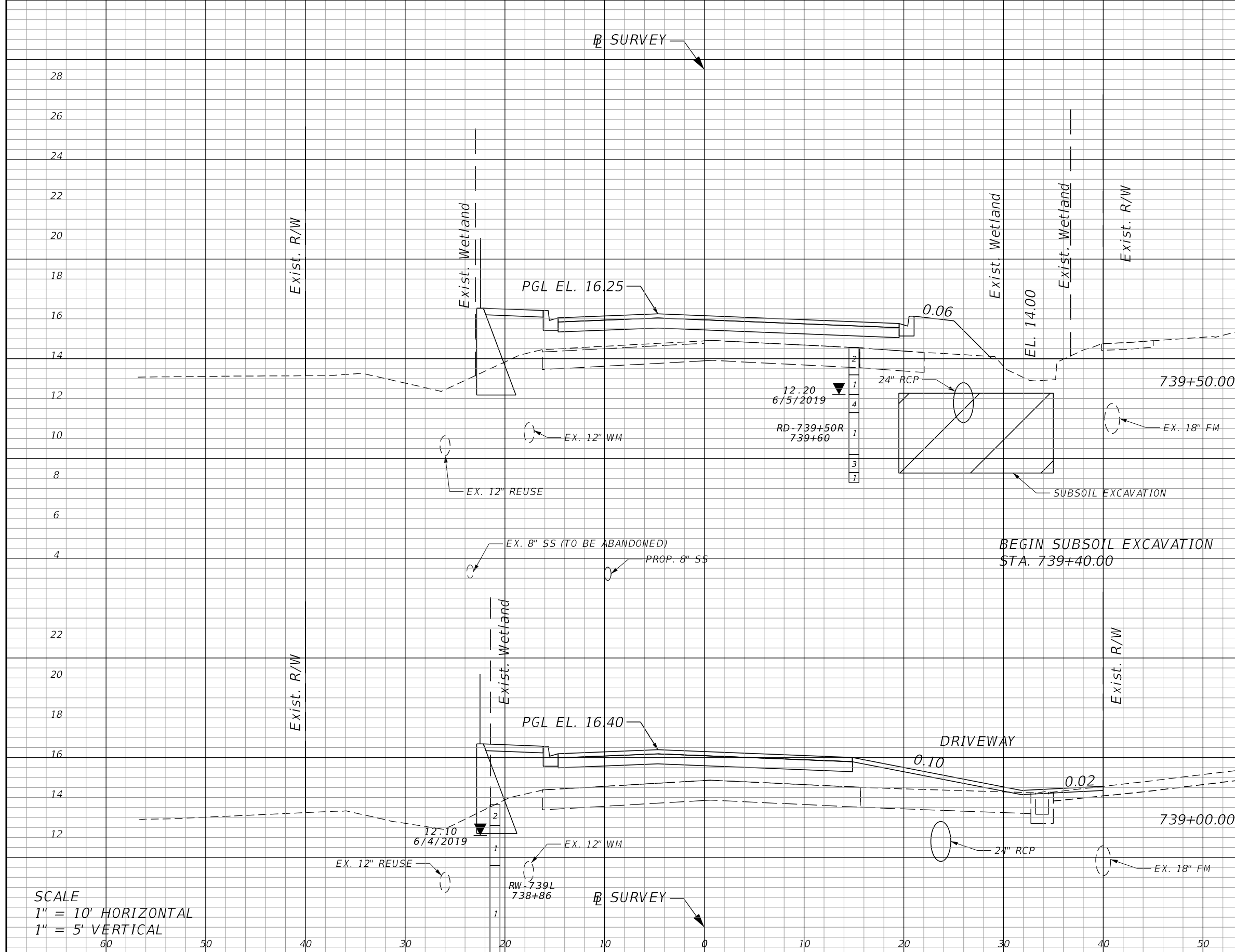
| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

| CROSS SECTIONS | | SHEET NO. |
|----------------|--|-----------|
| | | 70 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Subsoil Exc. | | Regular Exc. | | Embankment | |
|--------------|-------|--------------|------|------------|-------|
| A | V | A | V | A | V |
| | 162.4 | | 14.0 | | 202.4 |
| 86.5 | | 7.3 | | 105.6 | |
| | 32.0 | | | | |
| 86.5 | | | 13.2 | | 69.0 |
| | | 6.9 | | 19.1 | |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

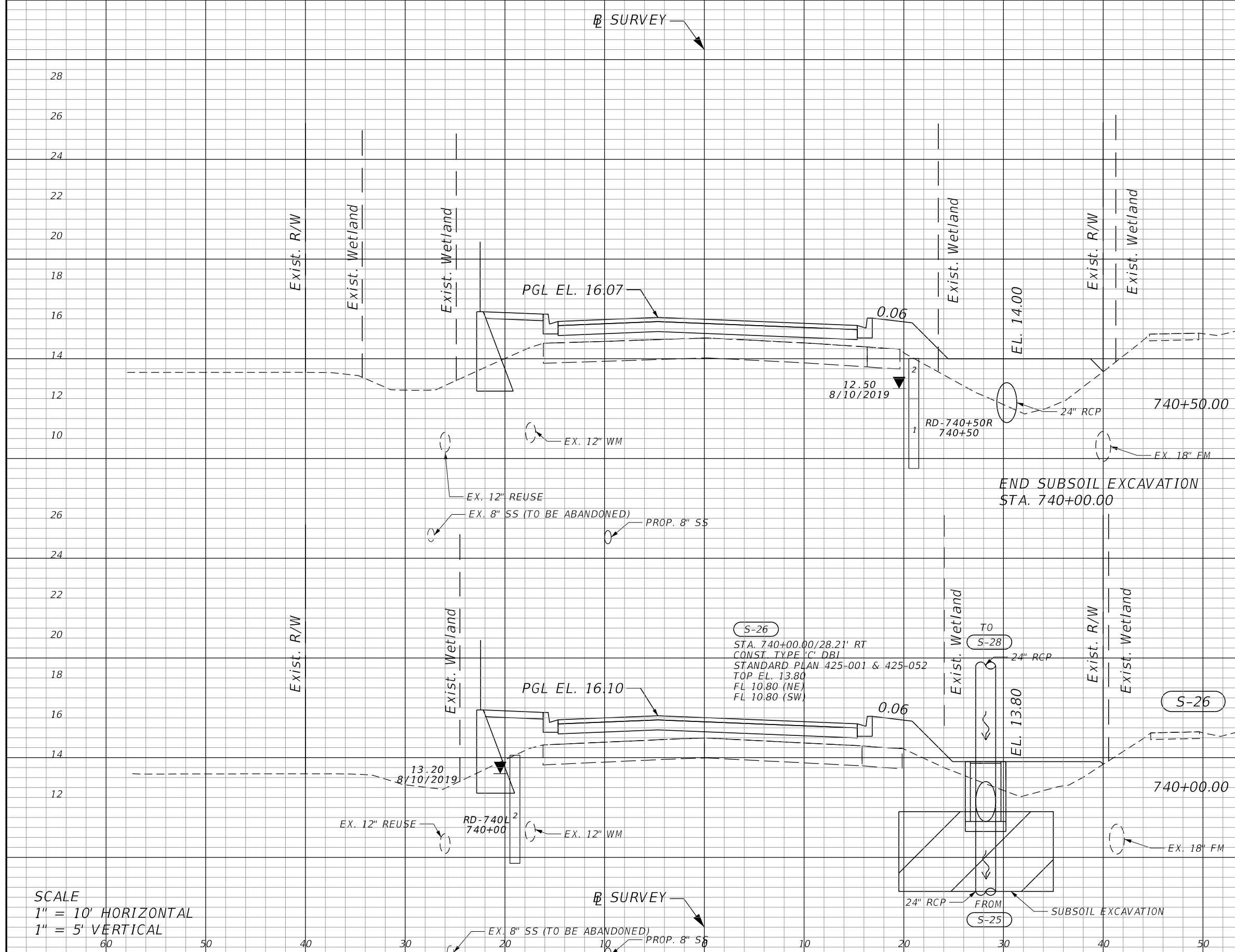
| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

| CROSS SECTIONS | | SHEET NO. |
|----------------|--|-----------|
| | | 71 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Subsoil Exc. | | Regular Exc. | | Embankment | |
|--------------|---|--------------|------|------------|------|
| A | V | A | V | A | V |
| | | | 13.4 | | 79.5 |
| | | 7.7 | | 46.0 | |
| | | | 14.3 | | 71.2 |
| 88.9 | | 7.8 | | 113.0 | |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

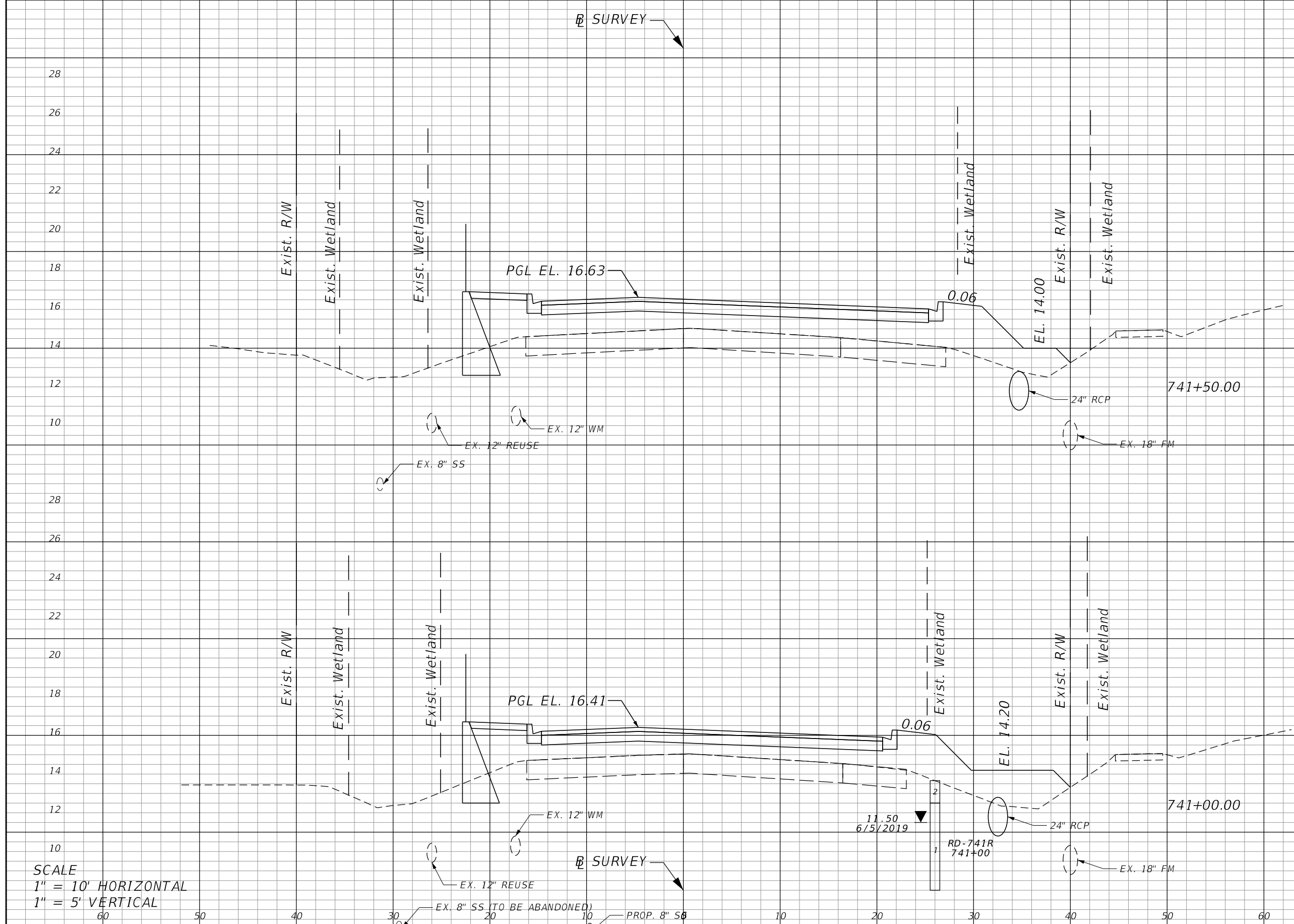
| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

| CROSS SECTIONS | | SHEET NO. |
|----------------|--|-----------|
| | | 72 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Regular | | Exc. | | Embankment | |
|---------|------|------|---|------------|---|
| A | V | A | V | A | V |
| 5.4 | 11.1 | 34.5 | | 56.6 | |
| 6.8 | 11.3 | 39.9 | | 68.8 | |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

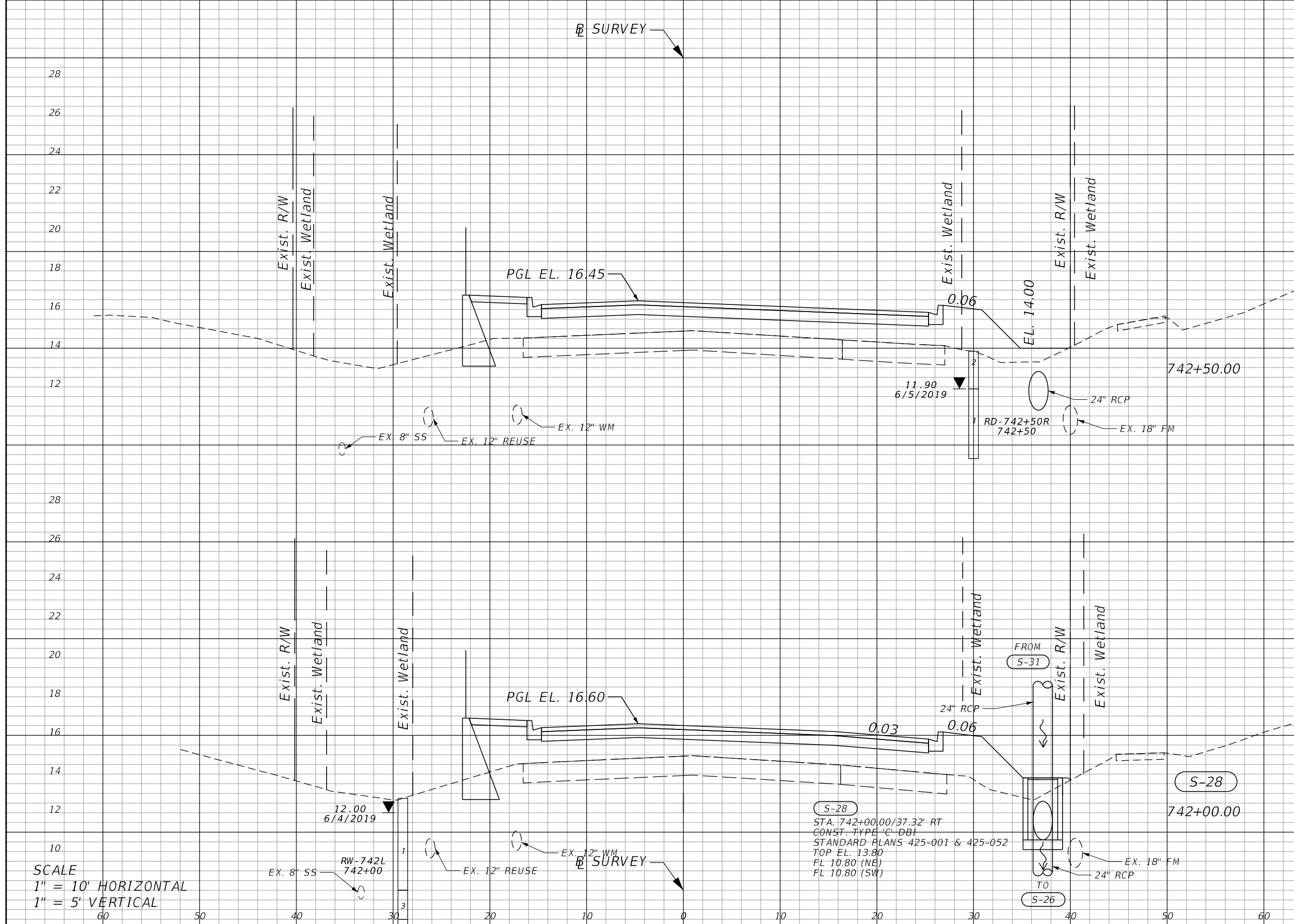
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

CROSS SECTIONS

SHEET NO.
73

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Regular | | Exc. | | Embankment | |
|---------|-----|------|------|------------|------|
| A | V | A | V | A | V |
| 3.9 | 5.5 | 26.1 | 47.9 | 6.6 | 26.7 |
| | | 9.7 | 48.8 | | |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

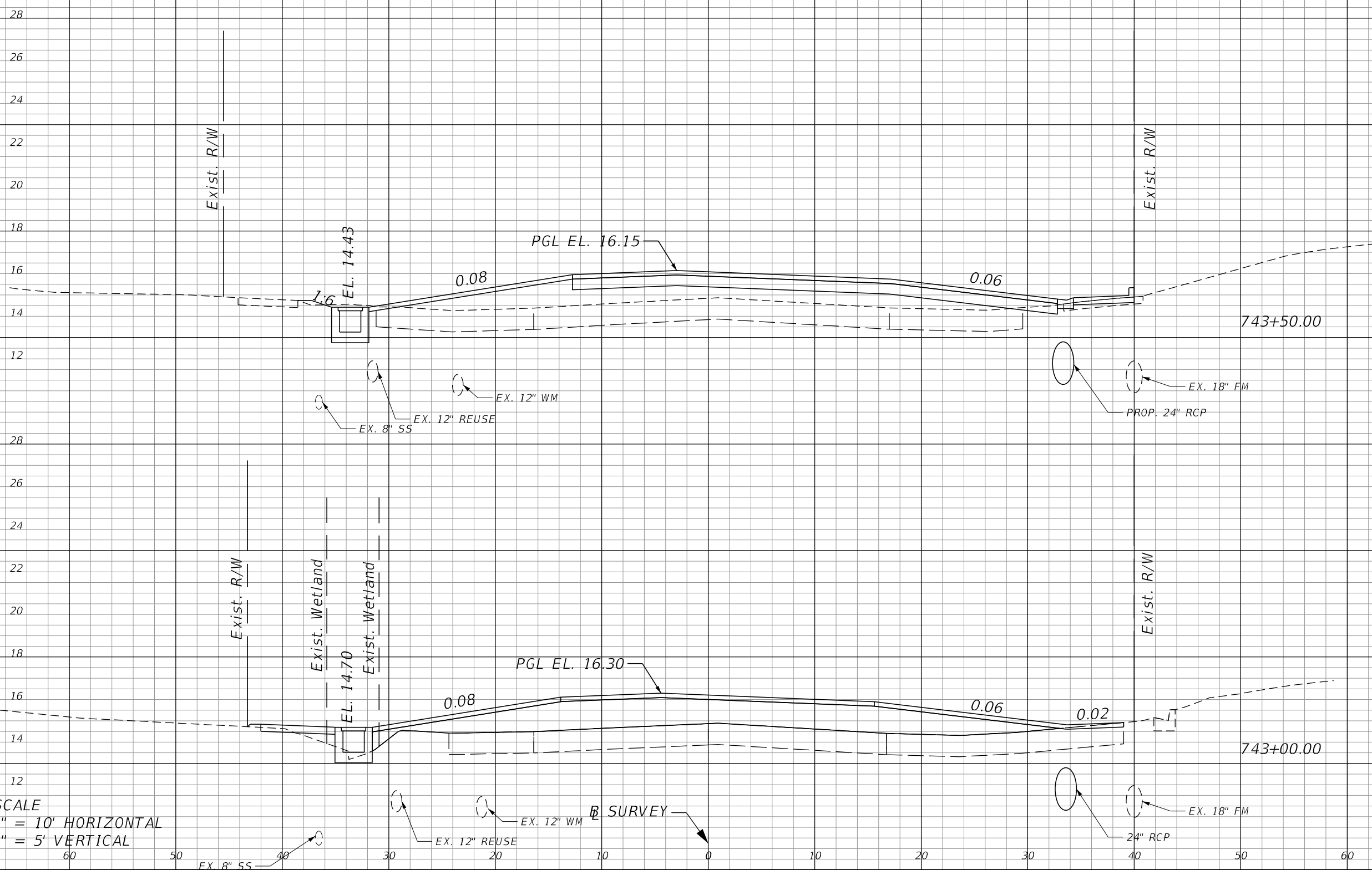
CROSS SECTIONS

SHEET NO.
74

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

⊕ SURVEY

| Regular | | Exc. | | Embankment | |
|---------|---|------|-----|------------|------|
| A | V | A | V | A | V |
| | | | 6.1 | | 27.6 |
| 6.6 | | | | 11.2 | |
| | | 8.1 | | | 34.2 |
| 2.1 | | | | 25.7 | |



SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

⊕ SURVEY

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

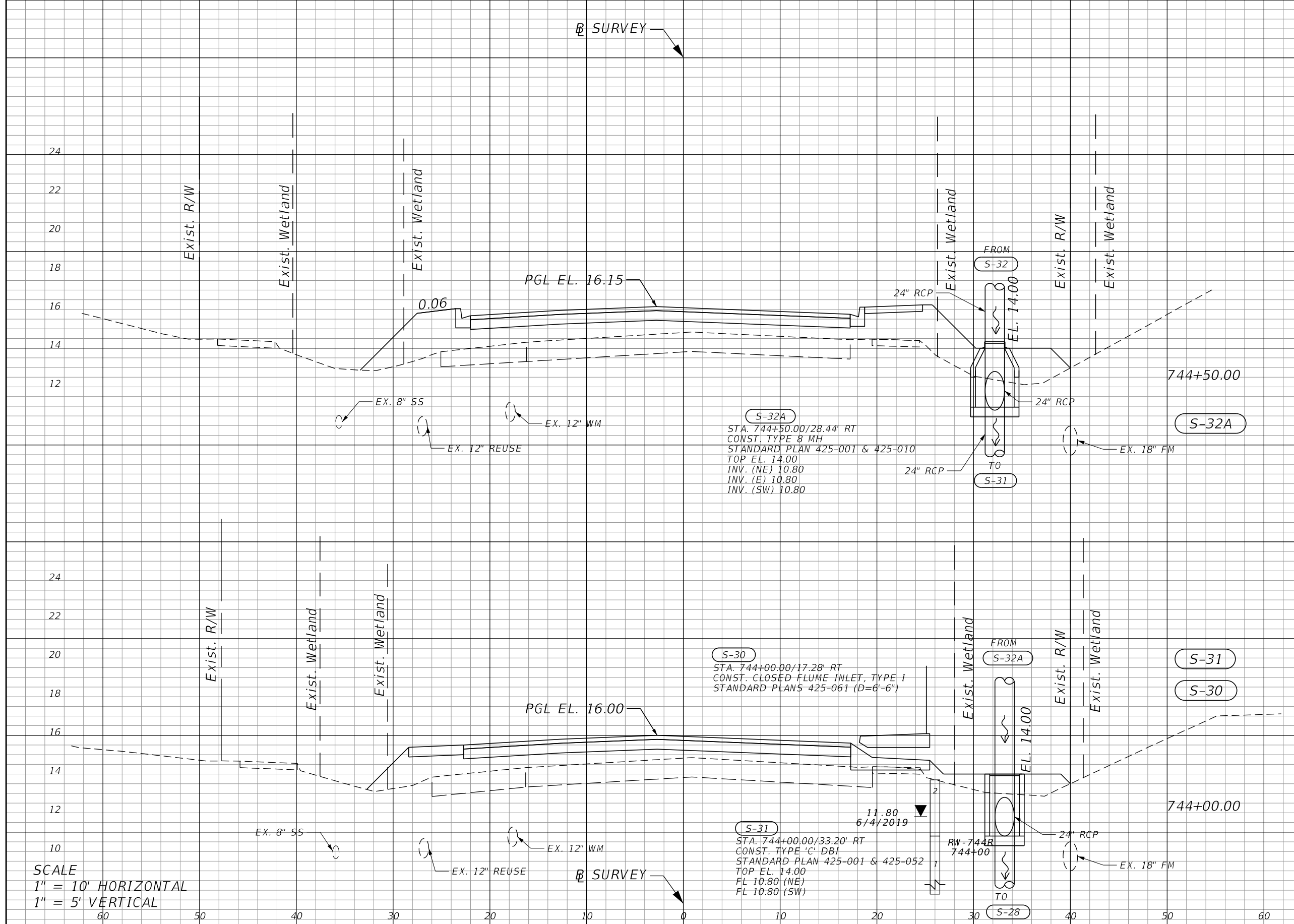
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

CROSS SECTIONS

| |
|-----------|
| SHEET NO. |
| 75 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Regular | | Exc. | | Embankment | |
|---------|---|------|-----|------------|------|
| A | V | A | V | A | V |
| | | | 1.4 | | 85.2 |
| 0.0 | | | | 50.1 | |
| 0.0 | | | | | 63.6 |
| 0.0 | | | | 18.6 | |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

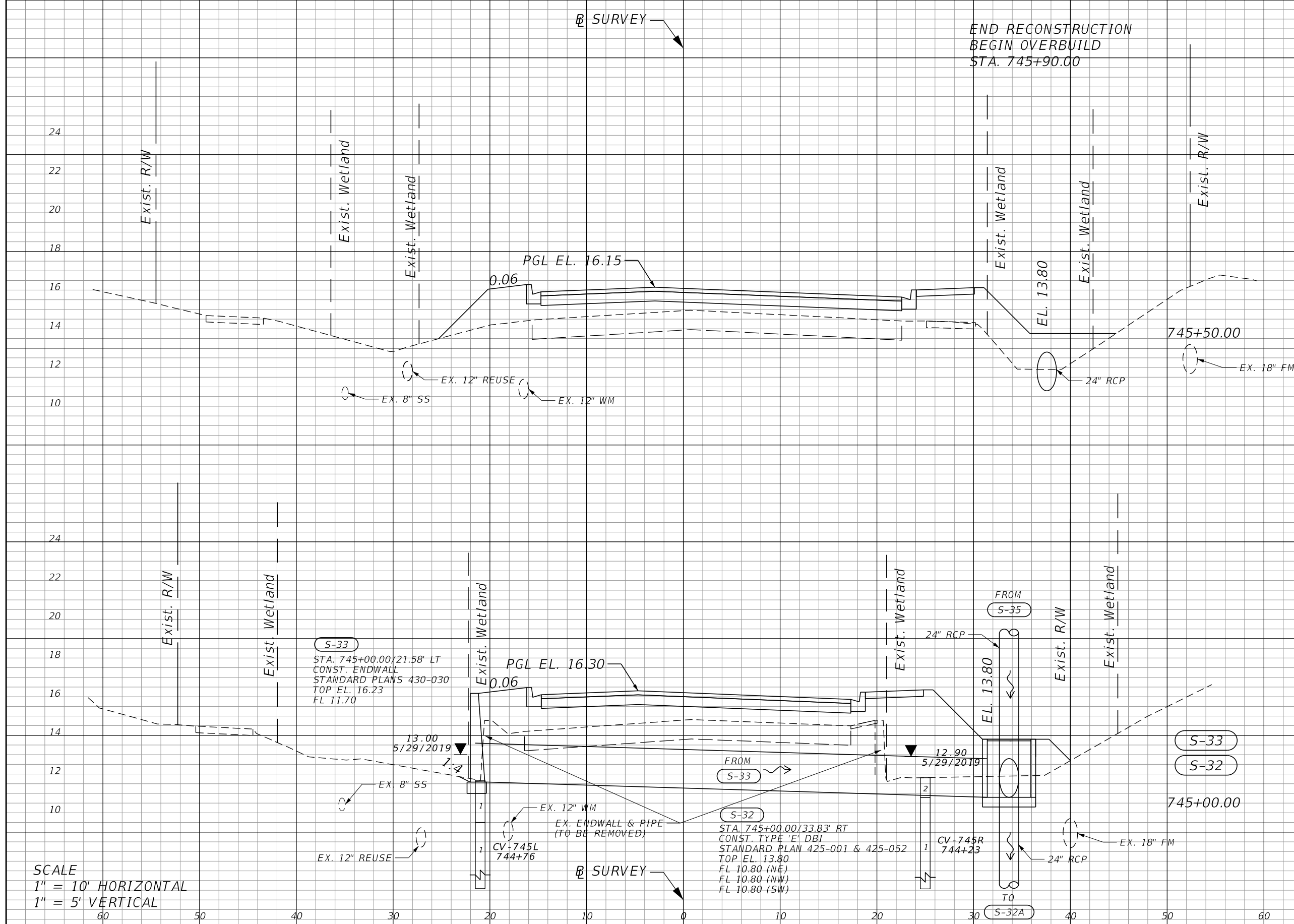
| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

| CROSS SECTIONS | | SHEET NO. |
|----------------|--|-----------|
| | | 76 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Regular | | Exc. | | Embankment | |
|---------|-----|------|-----|------------|------|
| A | V | A | V | A | V |
| | | | 5.9 | | 47.2 |
| 0.0 | | | | 42.8 | |
| | 1.4 | | | | 78.5 |
| 1.5 | | | | 41.9 | |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

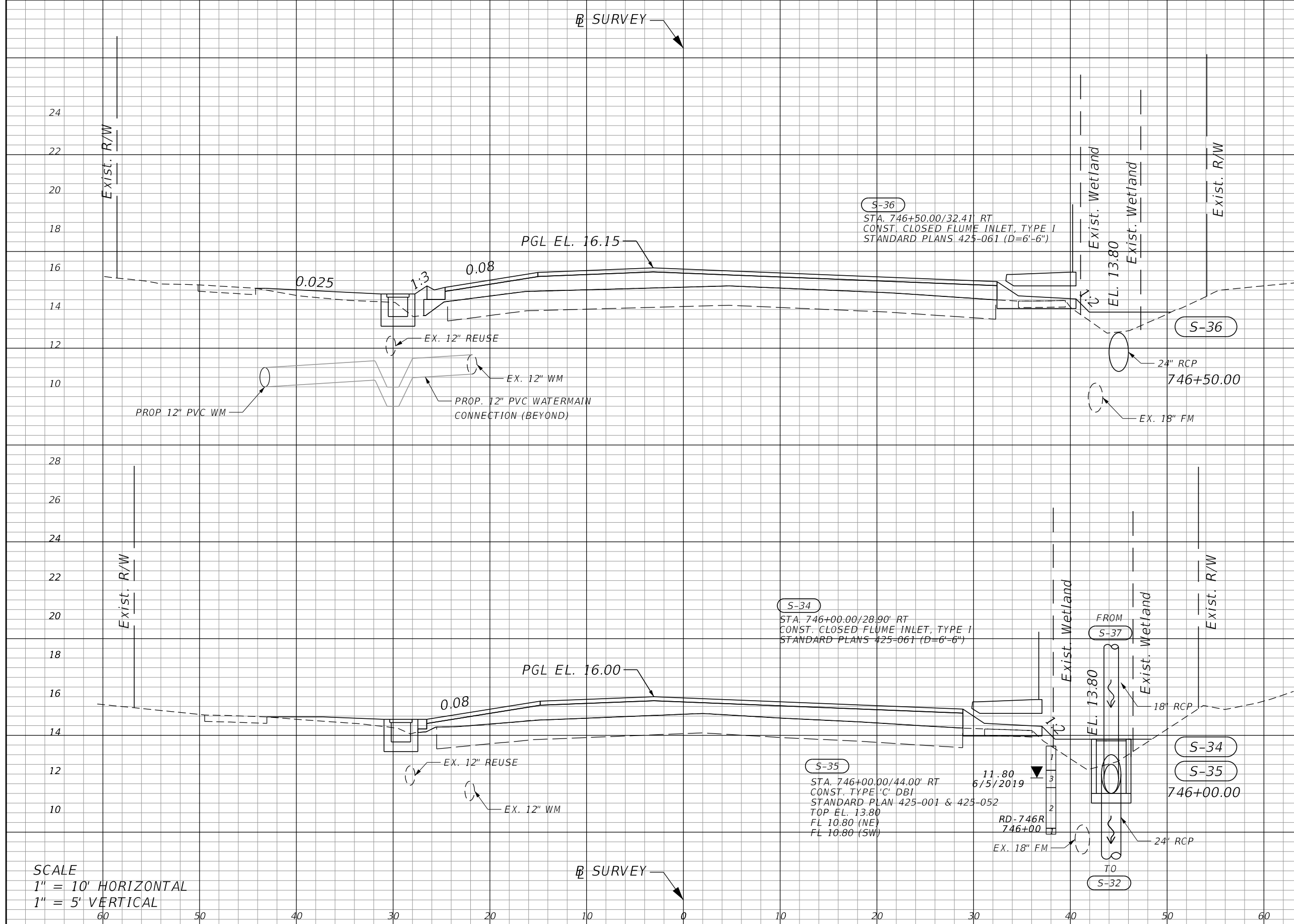
| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

| CROSS SECTIONS | | SHEET NO. |
|----------------|--|-----------|
| | | 77 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Regular | | Exc. | | Embankment | |
|---------|------|------|------|------------|------|
| A | V | A | V | A | V |
| | | | 6.5 | | 25.1 |
| 6.5 | | | 13.0 | | |
| | 12.0 | | | | 19.6 |
| 6.4 | | | 8.1 | | |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

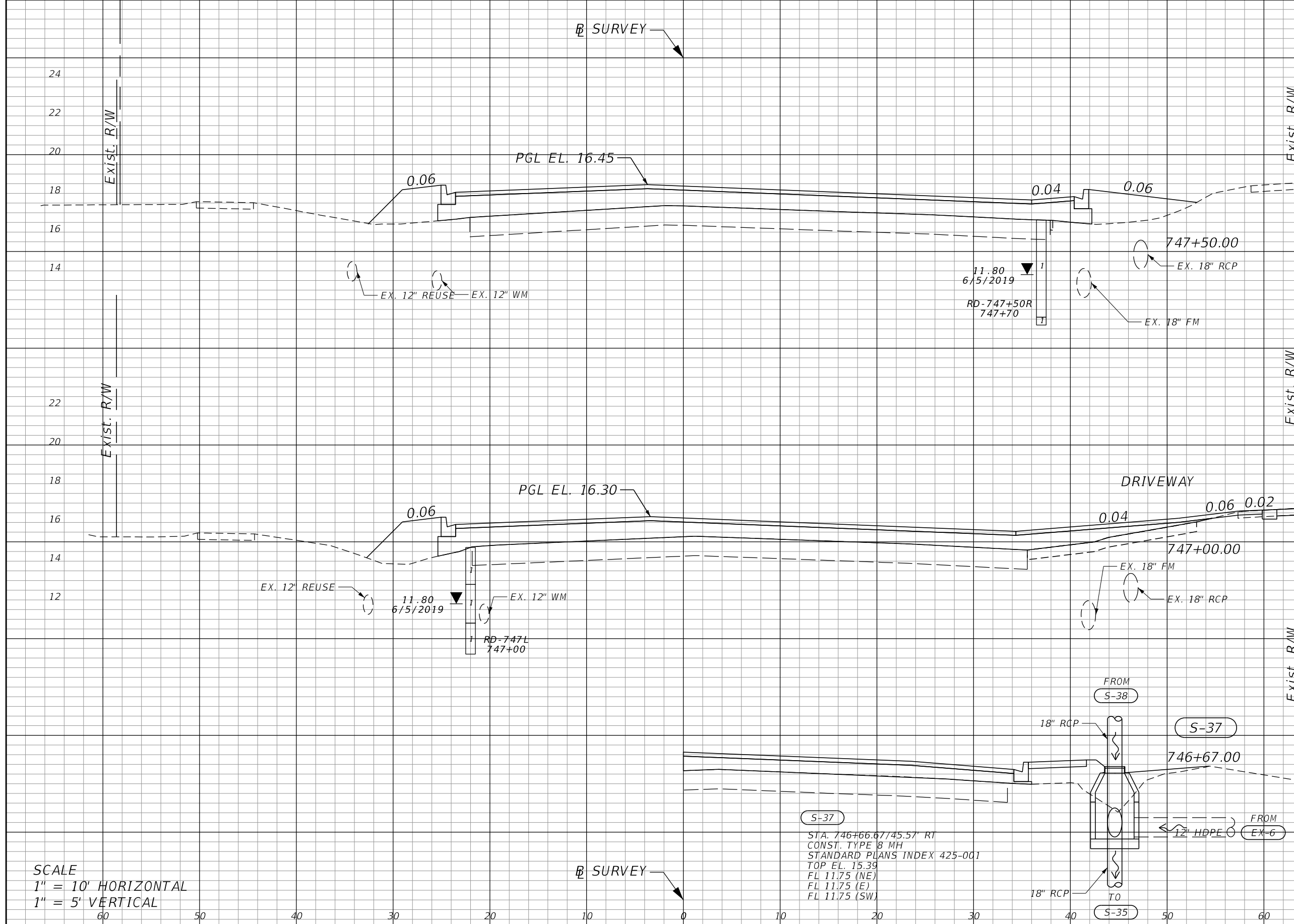
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

CROSS SECTIONS

SHEET NO.
78

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Regular | | Exc. | | Embankment | |
|---------|-----|------|-----|------------|-----|
| A | V | A | V | A | V |
| 0.0 | 0.0 | 25.5 | 0.0 | 37.9 | 0.0 |
| 0.5 | 0.5 | 14.1 | 0.5 | 36.6 | 0.5 |

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

⊕ SURVEY

S-37
 STA. 746+66.67/45.57' RI
 CONST. TYPE 8 MH
 STANDARD PLANS INDEX 425-001
 TOP EL. 15.39
 FL 11.75 (NE)
 FL 11.75 (E)
 FL 11.75 (SW)

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

CROSS SECTIONS

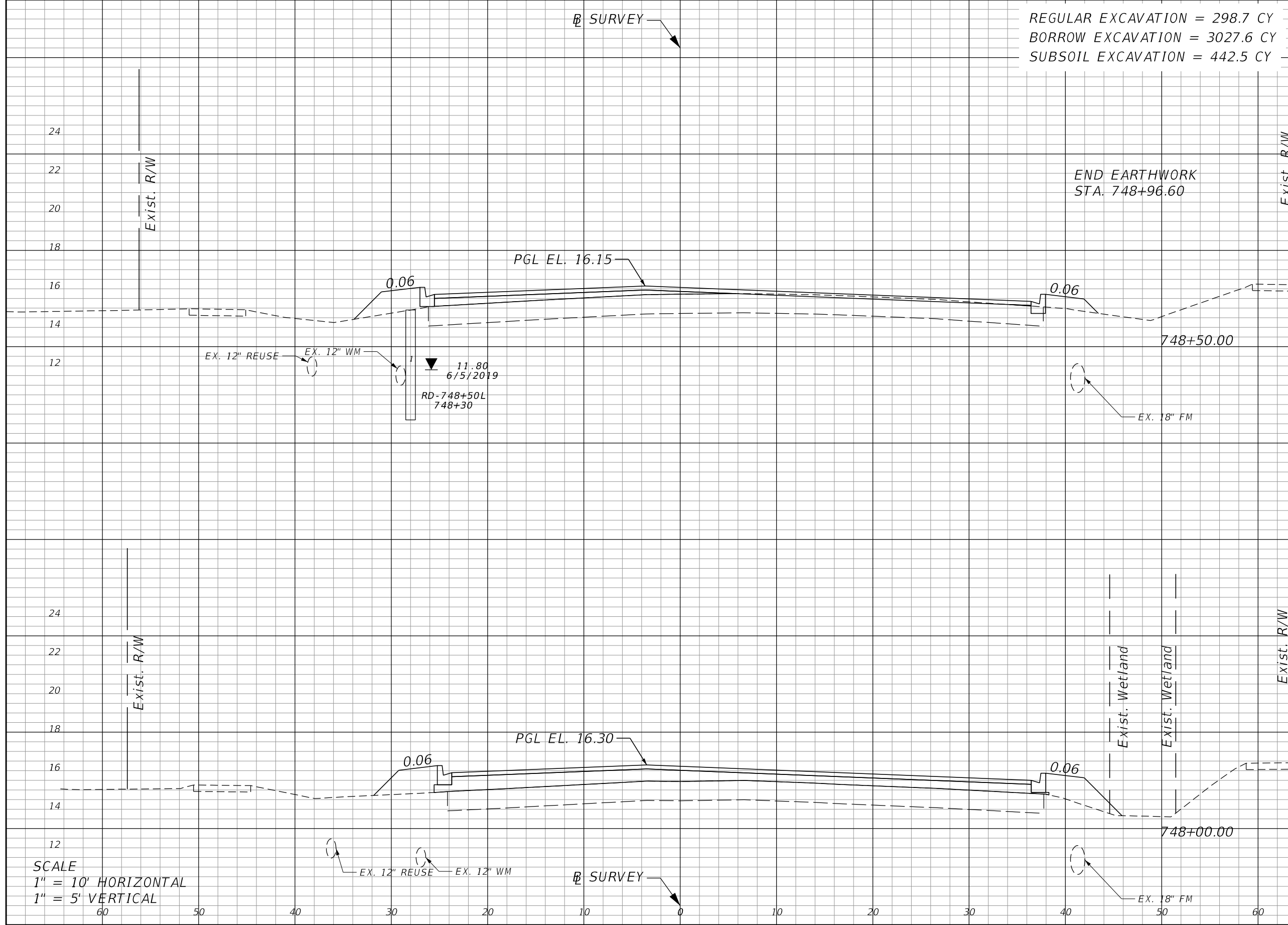
SHEET NO.
79

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

Ⓡ SURVEY

REGULAR EXCAVATION = 298.7 CY
 BORROW EXCAVATION = 3027.6 CY
 SUBSOIL EXCAVATION = 442.5 CY

| Regular Exc. | | Embankment | |
|--------------|-----|------------|------|
| A | V | A | V |
| 0.0 | | 0.0 | |
| | 0.5 | | 8.4 |
| 0.5 | | 9.3 | |
| | 0.5 | | 22.9 |
| 0.0 | | 15.4 | |



END EARTHWORK
 STA. 748+96.60

11.80
 6/5/2019
 RD-748+50L
 748+30

PGL EL. 16.30

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

Ⓡ SURVEY

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

CROSS SECTIONS

SHEET NO.
 80

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE DESIGN STANDARDS, AND OTHER SHEETS OF THESE CONSTRUCTION PLANS. THE FIRST SHEET OF THE CONSTRUCTION PLANS (CALLED THE KEY SHEET) CONTAINS AN INDEX TO THE OTHER SHEETS. THE COMPLETE STORMWATER POLLUTION PREVENTION PLAN INCLUDES SEVERAL ITEMS: THIS NARRATIVE DESCRIPTION, THE DOCUMENTS REFERENCED IN THIS NARRATIVE, THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN REQUIRED BY SPECIFICATION SECTION 104, AND REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION.

1.0 SITE DESCRIPTION:

1.A. NATURE OF CONSTRUCTION ACTIVITY:

THIS PROJECT IN BAY COUNTY CONSISTS OF INSTALLING A 6' SIDEWALK, TYPE 'F' CURB AND GUTTER, AND RAISING THE PROFILE ALONG ALF COLEMAN ROAD FROM SR 392A TO SR 30A. THE PROPOSED DRAINAGE DESIGN FOR ALF COLEMAN ROAD FEATURES A CLOSED SYSTEM CONVEYANCE BUT THE MAJORITY OF THE PROJECT LIMITS WILL UTILIZE THE EXISTING OPEN CONVEYANCE SYSTEM WITH MODIFICATIONS.

1.B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW, UNLESS THE CONTRACTOR PROPOSES A DIFFERENT SEQUENCE THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

THE SEQUENCE OF CONSTRUCTION ACTIVITIES INCLUDE: CLEARING AND GRUBBING, DRAINAGE IMPROVEMENTS, PAVING AND SIDEWALK, AND SODDING.

1.C. AREA ESTIMATES:

TOTAL SITE AREA: 6.07 ACRES
 TOTAL AREA TO BE DISTURBED: 2.33 ACRES

1.D. RUNOFF DATA:

RUNOFF COEFFICIENTS:
 BEFORE: 0.45
 DURING: 0.85
 AFTER: 0.50

SOILS DATA: THE RESULTS OF THE SOIL BORINGS ALONG THE ROADWAY ARE SHOWN IN THE ROADWAY SOIL SURVEY SHEET(S).

THE FOLLOWING SOIL TYPES LOCATED WITHIN THE PROJECT LIMITS WERE DETERMINED BY ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.

LEON SAND
 PAMLICO-DOROVAN COMPLEX
 MANDARIN SAND
 RUTLAGE SAND
 POTTSBURGE SAND

OUTFALL INFORMATION:
 THERE IS 1 OUTFALL.

#1 DESCRIPTION: ENDWALL CROSSING ALF COLEMAN ROAD
 (STA. 737+03.12)
 LOCATION: LATITUDE 30°11'52.4"N LONGITUDE 85° 49'19.6"W
 EST. DRAINAGE AREA: 0.45 ACRES
 RECEIVING WATER NAME: UNNAMED WETLANDS

1.E. SITE MAP:

THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW. THE SHEET NUMBERS FOR THE PLANS SHEETS REFERENCED ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS:

* DRAINAGE PATTERNS: EXISTING DRAINAGE PATTERNS ARE TO REMAIN, UNLESS OTHERWISE NOTED IN THE PLANS.

* APPROXIMATE SLOPES: EXISTING SLOPES ARE TO REMAIN.

* AREAS OF SOIL DISTURBANCE: THE AREAS TO BE DISTURBED ARE INDICATED ON THE PLAN SHEETS. ANY AREAS WHERE PERMANENT FEATURES ARE SHOWN TO BE CONSTRUCTED ABOVE OR BELOW GROUND WILL BE DISTURBED.

* LOCATIONS OF TEMPORARY CONTROLS: TABLES PROVIDING SUMMARIES OF TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS ARE PROVIDED IN THE SUMMARY OF QUANTITY SHEETS.

* AREAS TO BE STABILIZED: TEMPORARY STABILIZATION PRACTICES ARE SHOWN IN THE SAME LOCATION AS THE TEMPORARY CONTROLS MENTIONED ABOVE. PERMANENT STABILIZATION IS SHOWN ON THE TYPICAL SECTION SHEETS.

1.F. RECEIVING WATERS:

SEE ITEM 1.D FOR THE OUTFALL LOCATIONS.

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | STORM WATER POLLUTION PREVENTION PLAN | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|--|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | 81 |

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2.0 CONTROLS:

2.A. EROSION AND SEDIMENT CONTROLS:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STABILIZATION AND STRUCTURAL PRACTICES BASED ON THE CONTRACTOR'S PROPOSED TEMPORARY TRAFFIC CONTROL (TTC) PLAN. THE FOLLOWING RECOMMENDED GUIDELINES ARE BASED ON THE TEMPORARY TRAFFIC CONTROL PLAN OUTLINED IN THESE CONSTRUCTION PLANS. WHEN FOLLOWING THE TEMPORARY TRAFFIC CONTROL PLAN OUTLINED IN THESE CONSTRUCTION PLANS, THE CONTRACTOR MAY CHOOSE TO ACCEPT THE FOLLOWING GUIDELINES OR MODIFY THEM IN THE SEDIMENT AND EROSION CONTROL PLAN, SUBJECT TO APPROVAL BY THE ENGINEER. AS WORK PROGRESSES, THE CONTRACTOR SHALL MODIFY THE PLAN TO ADAPT TO SEASONAL VARIATION, CHANGES IN CONSTRUCTION ACTIVITIES, AND THE NEED FOR BETTER PRACTICES.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

2.A.1. STABILIZATION PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. THE CONTRACTOR SHALL INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS, IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. THE STABILIZATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

PERMANENT:

- * ASPHALT OR CONCRETE SURFACE.
- * SOD IN ACCORDANCE WITH SPECIFICATION SECTION 570.

2.A.2. STRUCTURAL PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

TEMPORARY:

- * SEDIMENT BARRIERS IN ACCORDANCE WITH SPECIFICATION SECTION 104 AND THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL.
- * INLET PROTECTION IN ACCORDANCE WITH THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL AND SPECIAL DETAILS SHOWN IN THE TTC PLAN.
- * FLOATING TURBIDITY BARRIER

PERMANENT:

- * SOD.

2.B. STORMWATER MANAGEMENT:

SEVERAL STORM DRAIN SYSTEMS AND CLOSED FLUME INLETS WILL BE CONSTRUCTED TO CONVEY RUNOFF TO EXISTING CONVEYANCE SYSTEMS.

2.C. OTHER CONTROLS:

2.C.1. WASTE DISPOSAL:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

- * PROVIDING LITTER CONTROL AND COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES.
- * DISPOSING OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.
- * DISPOSING OF SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS OFF THE PROJECT SITE BUT NOT IN SURFACE WATERS, OR WETLANDS.

2.C.2. OFF-SITE VEHICLE TRACKING & DUST CONTROL:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFF-SITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

- * COVERING LOADED HAUL TRUCKS WITH TARPULINS.
- * REMOVING EXCESS DIRT FROM ROADS DAILY.
- * USING ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION AND MILLING OPERATIONS.

2.C.3. STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS.

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, AND SANITARY SEWER OR SEPTIC SYSTEMS.

2.C.4. FERTILIZERS AND PESTICIDES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES. THE PROPOSED PROCEDURES SHALL COMPLY WITH APPLICABLE SUBSECTIONS OF SECTION 570 OF THE SPECIFICATIONS.

2.C.5. TOXIC SUBSTANCES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES.

2.D. FEDERAL, STATE, AND LOCAL PLANS AND PERMITS:

- * ACOE NATIONWIDE PERMIT 14
- * WMD GENERAL PERMIT
- * NPDES PERMIT - TO BE ACQUIRED BY THE CONTRACTOR

3.0 MAINTENANCE:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. THE MAINTENANCE PLAN SHALL AT A MINIMUM, COMPLY WITH THE FOLLOWING:

- * SEDIMENT BARRIERS: MAINTAIN PER SECTION 104 OF THE STANDARD SPECIFICATION REMOVE SEDIMENT AS PER MANUFACTURER'S RECOMMENDATIONS OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS OR AREAS.

4.0 INSPECTIONS:

QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDER DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER. TO COMPLY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. THE CONTRACTOR SHALL ALSO INSPECT THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN:

- * POINTS OF DISCHARGE TO WATERS OF THE UNITED STATES.
- * POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM DRAIN SYSTEMS.
- * DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED.
- * AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.
- * STRUCTURAL CONTROLS.
- * LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

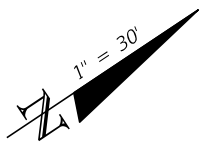
THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER.

IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTANTS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES, AS APPROVED BY THE ENGINEER.

5.0 NON-STORMWATER DISCHARGES:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES). THE CONTRACTOR SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES. IF THE CONTRACTOR ENCOUNTERS CONTAMINATED SOIL OR GROUNDWATER, CONTACT MR. DAVID CAMPBELL, CRA MANAGER, AT (850) 233-5054

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | STORM WATER POLLUTION PREVENTION PLAN | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|--|----------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | | N/A | BAY | | 441742-2-58-01 |



SR 392A (MIDDLE BEACH RD)

BEGIN PROJECT
BEGIN CONSTRUCTION
STA. 718+39.78

ALF COLEMAN RD.

716 717 718 719 720

N 33° 41' 39" E

R/W LINE

⊕ SURVEY

R/W LINE

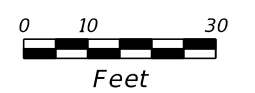
719+98.26
32.37' (LT)

719+80.00
29.80' (LT)

718+80.00
25.61' (RT)

LEGEND

- INLET PROTECTION SYSTEM
- SEDIMENT BARRIER
- FLOATING TURBIDITY BARRIER
- EXISTING WETLAND
- LIMITS OF CONSTRUCTION



| REVISIONS | | | |
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| DATE | DESCRIPTION | DATE | DESCRIPTION |
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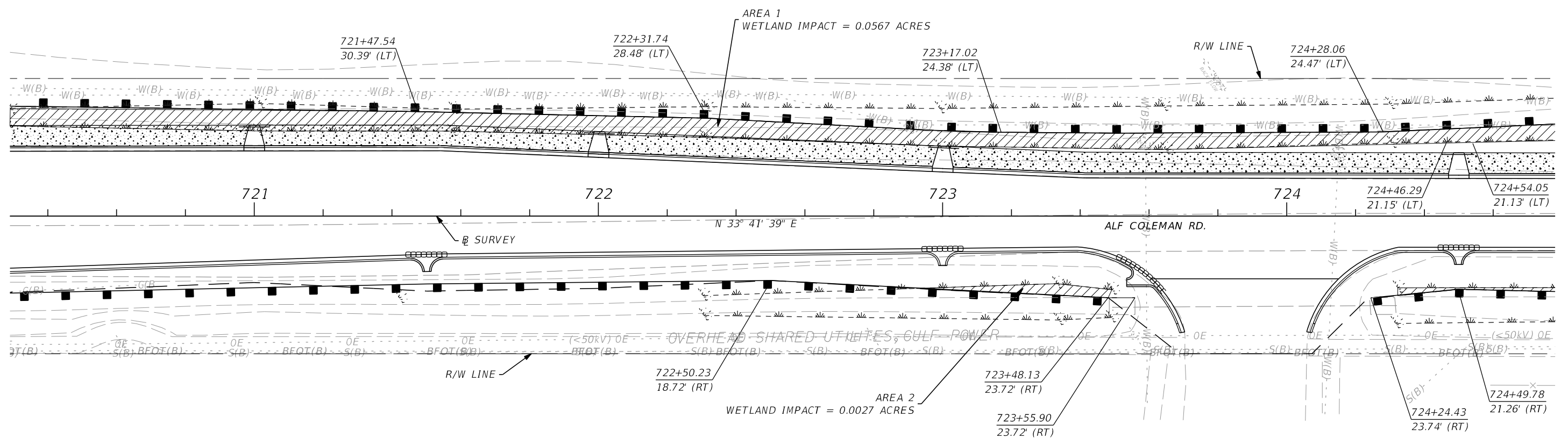
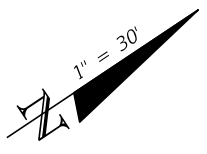
RICKY L. DODD, P.E.
P.E. LICENSE NUMBER 88526
GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DR.
CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
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| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

EROSION CONTROL PLAN

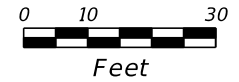
SHEET NO.
83

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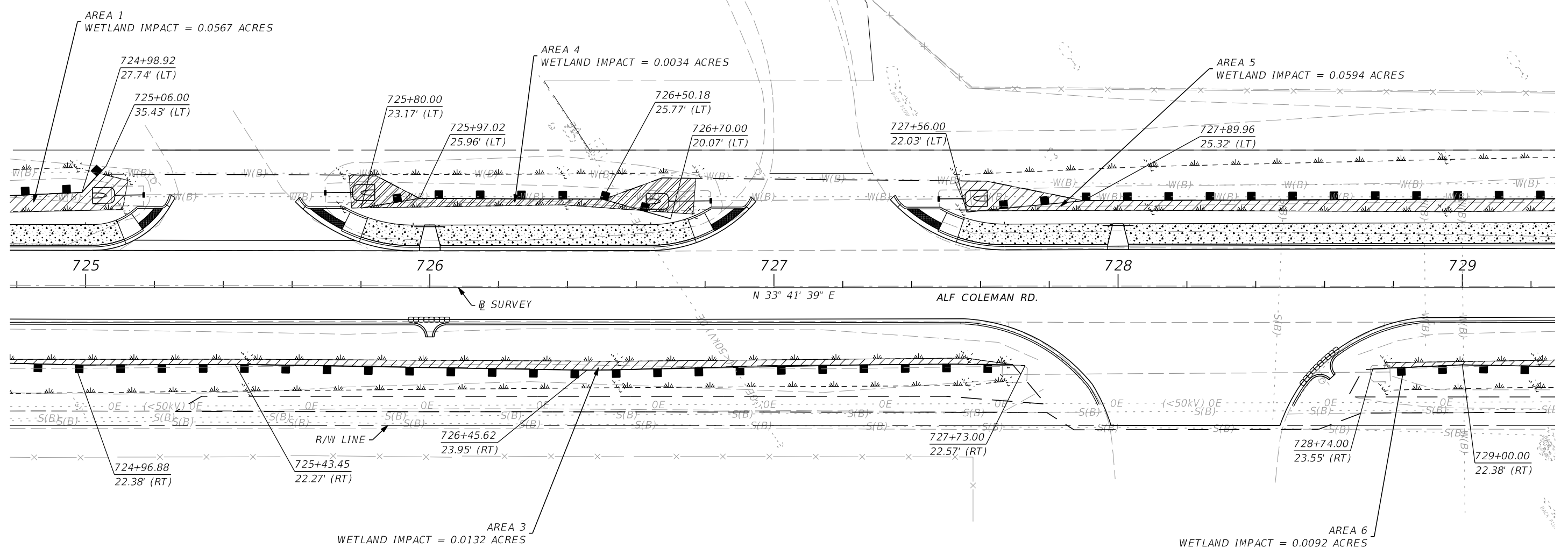
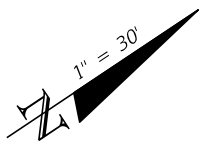
LEGEND

- WETLAND IMPACT AREA
- INLET PROTECTION SYSTEM
- SEDIMENT BARRIER
- FLOATING TURBIDITY BARRIER
- EXISTING WETLAND
- LIMITS OF CONSTRUCTION



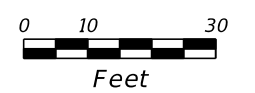
| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | EROSION CONTROL PLAN | SHEET NO. |
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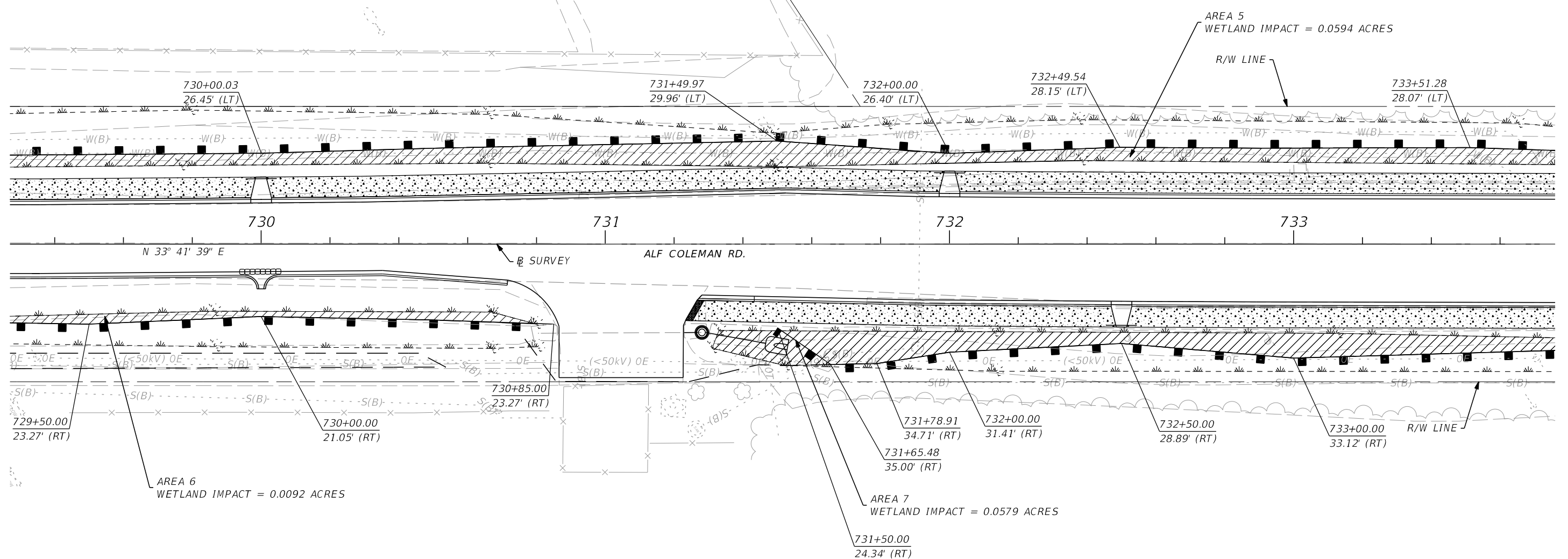
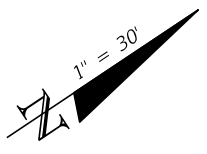
LEGEND

- WETLAND IMPACT AREA
- INLET PROTECTION SYSTEM
- SEDIMENT BARRIER
- FLOATING TURBIDITY BARRIER
- EXISTING WETLAND
- LIMITS OF CONSTRUCTION



| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | EROSION CONTROL PLAN | SHEET NO. |
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N 33° 41' 39" E

ALF COLEMAN RD.

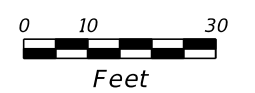
AREA 6
WETLAND IMPACT = 0.0092 ACRES

AREA 5
WETLAND IMPACT = 0.0594 ACRES

AREA 7
WETLAND IMPACT = 0.0579 ACRES

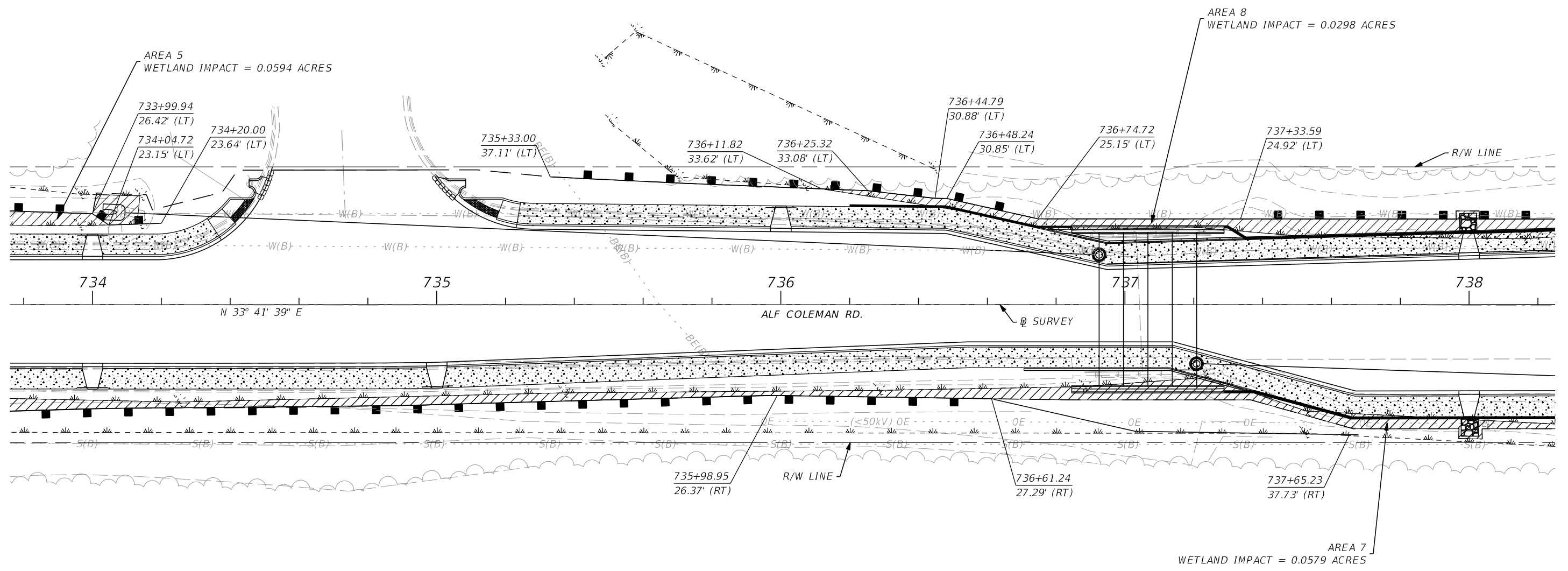
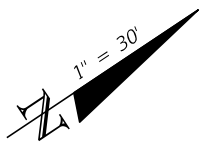
LEGEND

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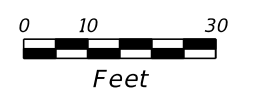
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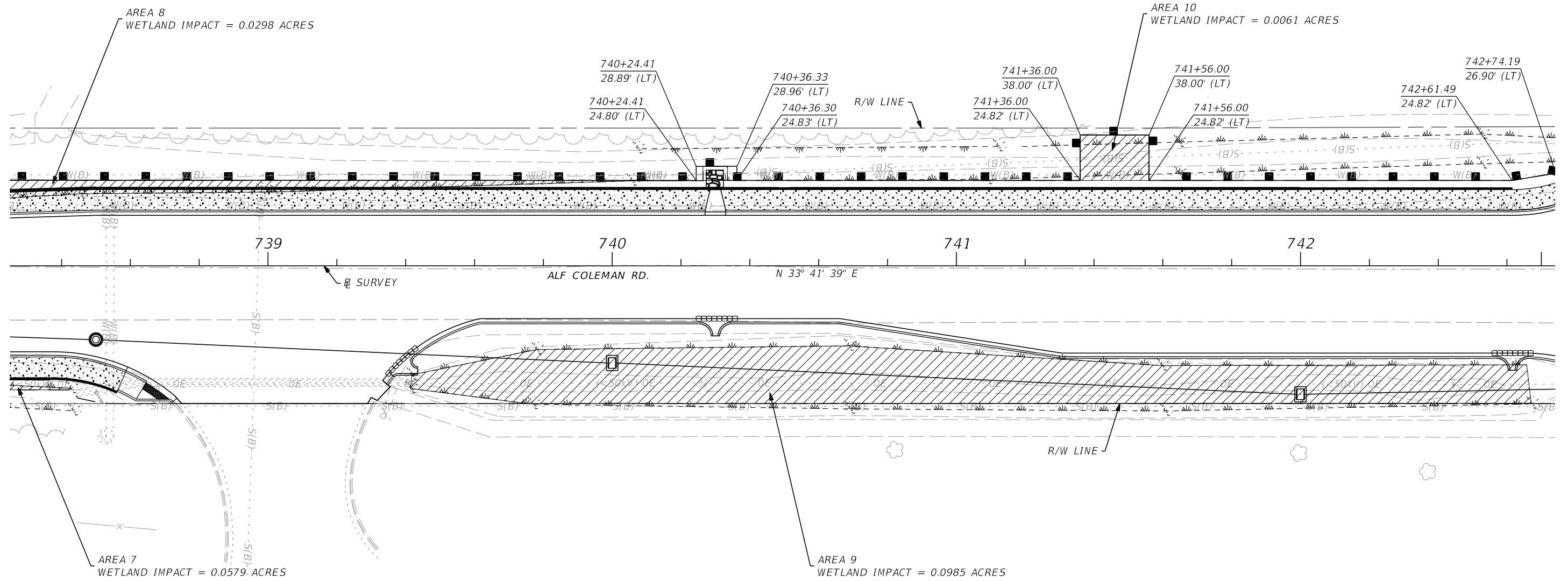
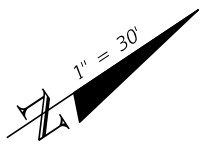
- WETLAND IMPACT AREA
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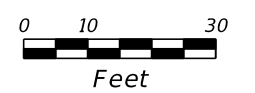
| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | SHEET NO. 87 |
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| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | |
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EROSION CONTROL PLAN

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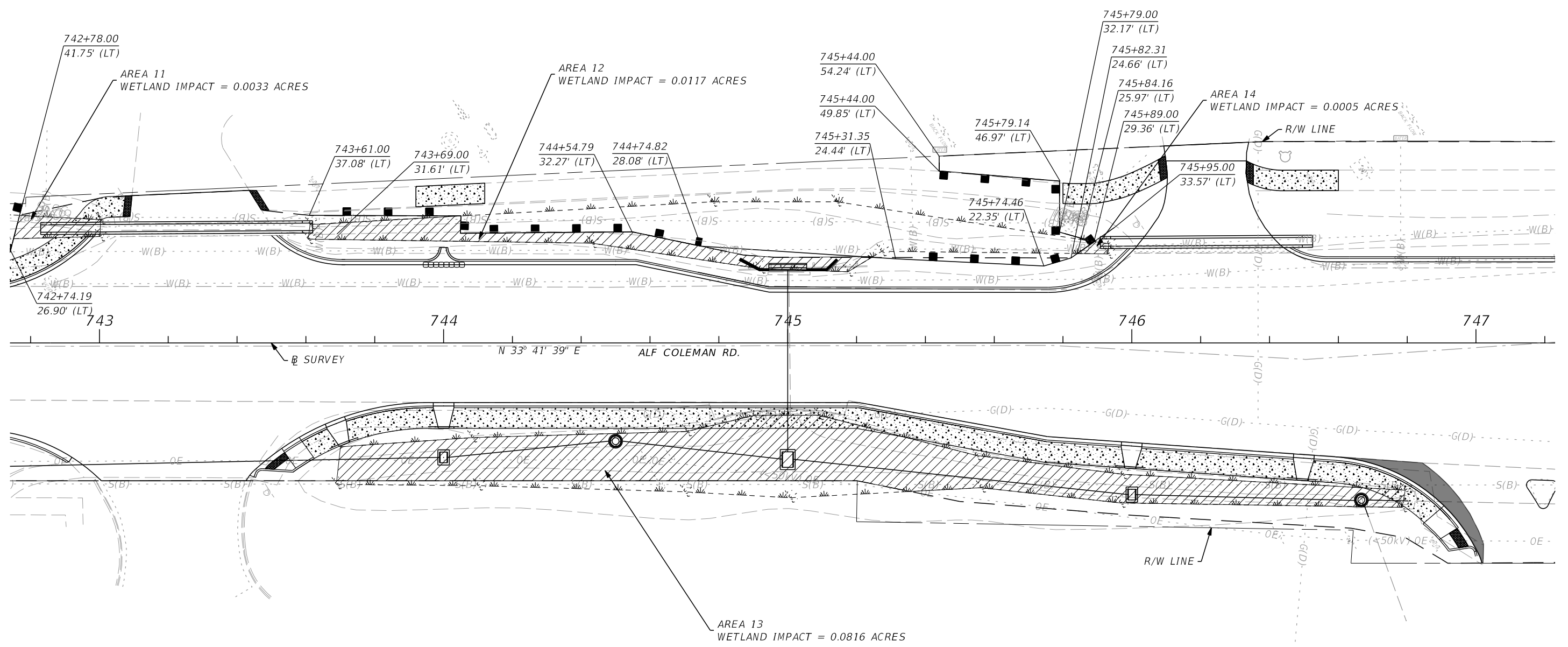
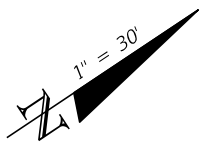


- LEGEND**
- WETLAND IMPACT AREA
 - INLET PROTECTION SYSTEM
 - SEDIMENT BARRIER
 - FLOATING TURBIDITY BARRIER
 - EXISTING WETLAND
 - LIMITS OF CONSTRUCTION



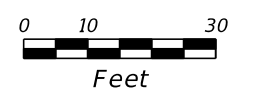
| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | EROSION CONTROL PLAN | SHEET NO. |
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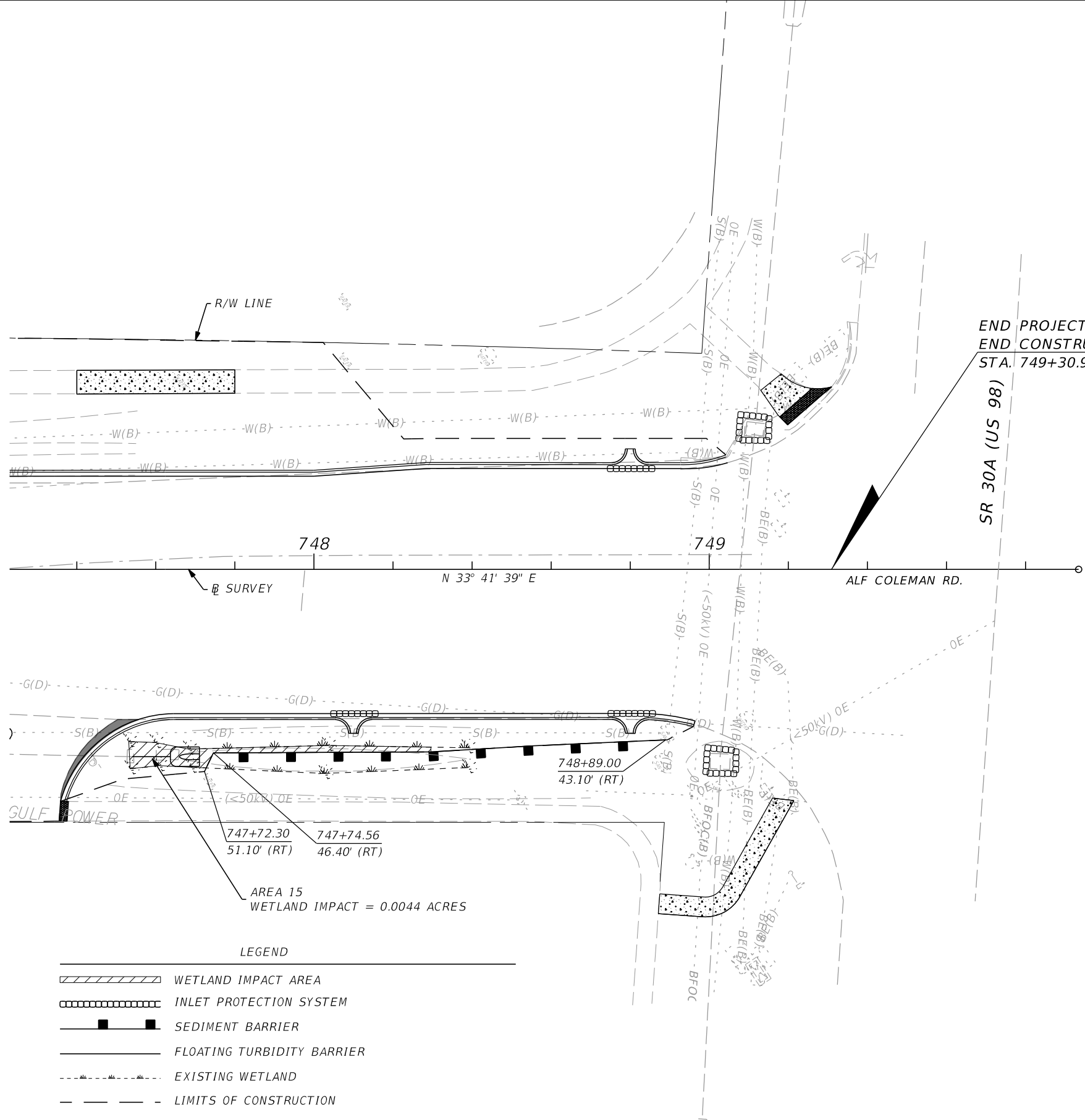
LEGEND

- WETLAND IMPACT AREA
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| ALF COLEMAN ROAD WETLAND IMPACTS | | | | |
|----------------------------------|------------------------|------|--------------------|--------------------|
| AREA # | STATION TO STATION | SIDE | IMPACT AREA (SF) | IMPACT AREA (ACRE) |
| 1 | 720+29.12 TO 725+12.31 | LT | 2470.19 | 0.0567 |
| 2 | 722+92.52 TO 723+49.22 | RT | 116.23 | 0.0027 |
| 3 | 724+32.28 TO 727+69.36 | RT | 573.43 | 0.0132 |
| 4 | 725+76.55 TO 726+70.81 | LT | 457.34 | 0.0105 |
| 5 | 727+52.55 TO 734+12.21 | LT | 2868.79 | 0.0659 |
| 6 | 728+77.50 TO 730+79.80 | RT | 400.28 | 0.0092 |
| 7 | 731+25.00 TO 738+42.81 | RT | 2719.77 | 0.0624 |
| 8 | 736+11.82 TO 740+36.30 | LT | 1291.22 | 0.0296 |
| 9 | 739+41.61 TO 742+66.40 | RT | 4270.88 | 0.0980 |
| 10 | 741+36.00 TO 741+56.00 | LT | 263.55 | 0.0061 |
| 11 | 742+77.97 TO 743+00.35 | LT | 142.83 | 0.0033 |
| 12 | 743+69.65 TO 745+23.98 | LT | 671.85 | 0.0154 |
| 13 | 743+61.22 TO 746+79.44 | RT | 3553.95 | 0.0816 |
| 14 | 745+84.16 TO 745+93.26 | LT | 21.79 | 0.0005 |
| 15 | 747+53.15 TO 748+29.60 | RT | 192.63 | 0.0044 |
| | | | TOTAL IMPACT AREA= | 0.4595 AC |

AREA 15
WETLAND IMPACT = 0.0044 ACRES

LEGEND

- WETLAND IMPACT AREA
- INLET PROTECTION SYSTEM
- SEDIMENT BARRIER
- FLOATING TURBIDITY BARRIER
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- LIMITS OF CONSTRUCTION

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | EROSION CONTROL PLAN | SHEET NO. |
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TRAFFIC CONTROL NOTES
=====

PHASE NOTES
=====

1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE CURRENT EDITION OF THE FDOT STANDARD PLANS FOR ROAD CONSTRUCTION (102-600 SERIES).
2. REGULATORY SPEED FOR ALL ROADWAYS DURING CONSTRUCTION SHALL BE MAINTAINED AT CURRENT POSTED SPEEDS.
3. LANE CLOSURE RESTRICTIONS:
 - LANE CLOSURES ARE PROHIBITED MONDAY THROUGH FRIDAY DURING ACTIVE SCHOOL PERIODS FROM 6 A.M. TO 9 A.M. AND FROM 2 P.M. TO 6 P.M. LANE CLOSURES WILL ALSO BE PROHIBITED DURING SPECIAL SCHOOL EVENTS. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL SCHOOL BOARD ADMINISTRATION OFFICE FOR INFORMATION, DATES, AND TIMES OF ANY SPECIAL EVENTS. THE CONTRACTOR SHALL ALSO COORDINATE WITH THE BAY CHAMBER OF COMMERCE AND OTHER LOCAL GOVERNMENTAL AGENCIES FOR A SCHEDULE OF LOCAL EVENTS.
 - BETWEEN MEMORIAL DAY AND LABOR DAY, LANE CLOSURES ARE PROHIBITED FROM 6 A.M. UNTIL 8 P.M. (MONDAY - THURSDAY) AND FROM FRIDAY AT 6 A.M. UNTIL 8 P.M. SUNDAY.
 - ALL LANES SHALL BE REOPENED TO NORMAL TRAFFIC WITHIN 12 HOURS OF AN EVACUATION NOTICE OF A HURRICANE OR OTHER EMERGENCY EVENT, AND SHALL REMIAN OPEN FOR THE DURATION OF THE EVENT AS DIRECTED BY THE ENGINEER.
4. ANY ADDITIONAL INTERRUPTIONS TO TRAFFIC WHICH ARE NOT SHOWN IN THE TRAFFIC CONTROL PLAN BUT ARE REQUIRED TO CONSTRUCT THE PROJECT SHALL BE SUBMITTED TO THE ENGINEER AND APPROVAL SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF WORK.
5. PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) NOTES:
 - PCMS SHALL BE PLACED FOURTEEN (14) DAYS IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES.
 - PCMS SHALL BE INSTALLED AT THE LOCATIONS SHOWN IN THE TRAFFIC CONTROL DETAIL SHEETS.

MESSAGE SERVING AS PUBLIC NOTIFICATION (NO CONSTRUCTION ACTIVITIES PRESENT) SHALL READ:

(PCMS #1 - #8)

| | |
|-------------------------|--------------------|
| ALF COLEMAN CONST | BEGINS MM-DD-YY |
|-------------------------|--------------------|

MESSAGE DURING CONSTRUCTION ACTIVITIES SHALL READ:

PHASE I (PCMS #1 - #3)

PHASE I (PCMS #4 - #6)

| | | | |
|--------------------------|-----------------------|--------------------------|-----------------------|
| ALF COLEMAN CLOSED | NO THRU TRAFFIC | ALF COLEMAN CLOSED | NO THRU TRAFFIC |
|--------------------------|-----------------------|--------------------------|-----------------------|

PHASE I (PCMS #7 - #8)

PHASES II & III (PCMS #1 - #8)

| | | | |
|-------------------------|-----------------------|---------------------------|------------------------|
| ROAD CLOSED AHEAD | NO THRU TRAFFIC | LANE CLOSURES AHEAD | CHECK YOUR SPEED |
|-------------------------|-----------------------|---------------------------|------------------------|

GENERAL
=====

1. INSTALL WORK ZONE TRAFFIC CONTROL SIGNS AND DEVICES AT BEGIN AND END PROJECT AND REMOVE CONFLICTING SIGNS IN ACCORDANCE WITH STANDARD PLANS INDEX 102-600 SERIES.
2. CONSTRUCT/PLACE EROSION AND SEDIMENT CONTROL MEASURES PER PHASE I TTCP AND IN ACCORDANCE WITH STANDARD SPECIFICATION 104.
3. PERFORM CLEARING AND GRUBBING PER ROADWAY PLANS IN ACCORDANCE WITH STANDARD PLANS INDEXES 102-600 THRU 102-603.

PHASE I (CROSS DRAIN REPLACEMENT, GRAVITY WALL CONSTRUCTION, HORIZONTAL DIRECTIONAL DRILL AND PVC WATERMAIN)
=====

1. CLOSE ALF COLEMAN ROAD TO TRAFFIC AND PEDESTRIANS FROM STA. 735+00.00 TO STA. 743+00.00, AND THE SOUTHERN LOWE'S ENTRANCE AT STA. 739+00. CONSTRUCT 2" WATER SERVICE FOR LIFT STATION AND PLACE IN SERVICE PER UTILITY ADJUSTMENT PLANS AND IN ACCORDANCE WITH TTCP PHASE I. CONSTRUCT PROPOSED IMPROVEMENTS PER ROADWAY PLANS AND IN ACCORDANCE WITH PHASE I TTCP. FEATHER THE PROPOSED PAVEMENT AT A RATE OF 1:25 AT THE BEGIN AND END OF THE WORK ZONE.
2. CONSTRUCT WATERLINE FROM STA 735+70.00 TO 747+55.00 PER ROADWAY AND UTILITY ADJUSTMENT PLANS AND IN ACCORDANCE WITH PHASE I TTCP.
3. CLOSE CVS/DAIRY QUEEN ENTRANCE AT STA. 746+20 AND RIGHT TURN LANE TO TRAFFIC AND PEDESTRIANS. CONSTRUCT PVC WATERMAIN, HYDRANT, AND WATER SERVICE FROM 746+00 TO 746+70 PER ROADWAY AND UTILITY ADJUSTMENT PLANS AND IN ACCORDANCE WITH PHASE I TTCP
4. CLOSE ALF COLEMAN ROAD TO TRAFFIC AND PEDESTRIANS FROM STA. 743+00.00 TO STA. 745+90.00. CONSTRUCT PROPOSED IMPROVEMENTS PER ROADWAY PLANS AND IN ACCORDANCE WITH PHASE IA TTCP. FEATHER PROPOSED PAVEMENT AT A RATE OF 1:25 AT THE BEGIN AND END OF WORK ZONE. PHASE I MUST BE COMPLETE PRIOR TO BEGINNING PHASE IA.
5. PLACE PAVEMENT MARKINGS PER SIGNING AND PAVEMENT MARKING PLANS IN ACCORDANCE WITH STANDARD PLANS INDEXES 102-600 AND 102-603 AND OPEN ROADWAY TO NORMAL TRAFFIC.
6. PLACE PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICES (LCD) WITH MOUNTED SIDEWALK CLOSED SIGN AT EACH END OF SIDEWALK CONSTRUCTION AREA IN ACCORDANCE WITH STANDARD PLANS INDEX 102-660. CONSTRUCT CURB AND GUTTER, SIDEWALK, AND SIDEWALK FLUMES PER ROADWAY PLANS IN ACCORDANCE WITH TTCP PHASE I TYPICAL SECTION AND STANDARD PLANS INDEXES 102-600 THRU 102-603.

PHASE II (MILL/RESURFACE AND OVERBUILD OF EXISTING ROADWAY)
=====

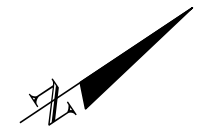
1. MILL/RESURFACE EXISTING ROADWAY PER ROADWAY PLANS USING LANE CLOSURES IN ACCORDANCE WITH TTCP PHASE II TYPICAL SECTION AND STANDARD PLANS INDEXES 102-600 AND 102-603.
2. OVERBUILD EXISTING ROADWAY AS SPECIFIED ON THE ROADWAY TYPICAL SECTION AND IN ACCORDANCE WITH TTCP PHASE II TYPICAL SECTION AND STANDARD PLANS 102-600 AND 102-603. PLACE ONE LIFT IN EACH LANE PRIOR TO PLACING EACH ADDITIONAL LIFT. PLACE PAVEMENT MARKINGS AFTER EACH LIFT PER SIGNING AND PAVEMENT MARKING PLANS. PLACE EARTHWORK ON SHOULDER TO PREVENT ANY DROP-OFF AND MAINTAIN POSITIVE DRAINAGE TO PROPOSED SIDEWALK FLUME LOCATIONS. FEATHER EXISTING DRIVEWAYS DURING EACH LIFT TO MAINTAIN ACCESS AT ALL TIMES.

PHASE III (FRICTION COURSE AND FINAL SIGNING AND PAVEMENT MARKINGS)
=====

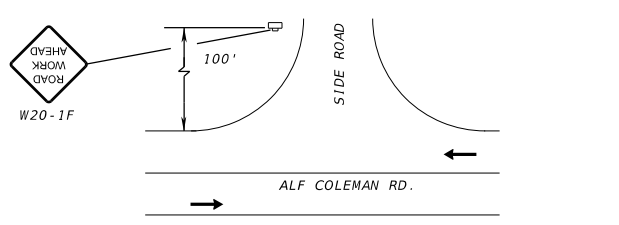
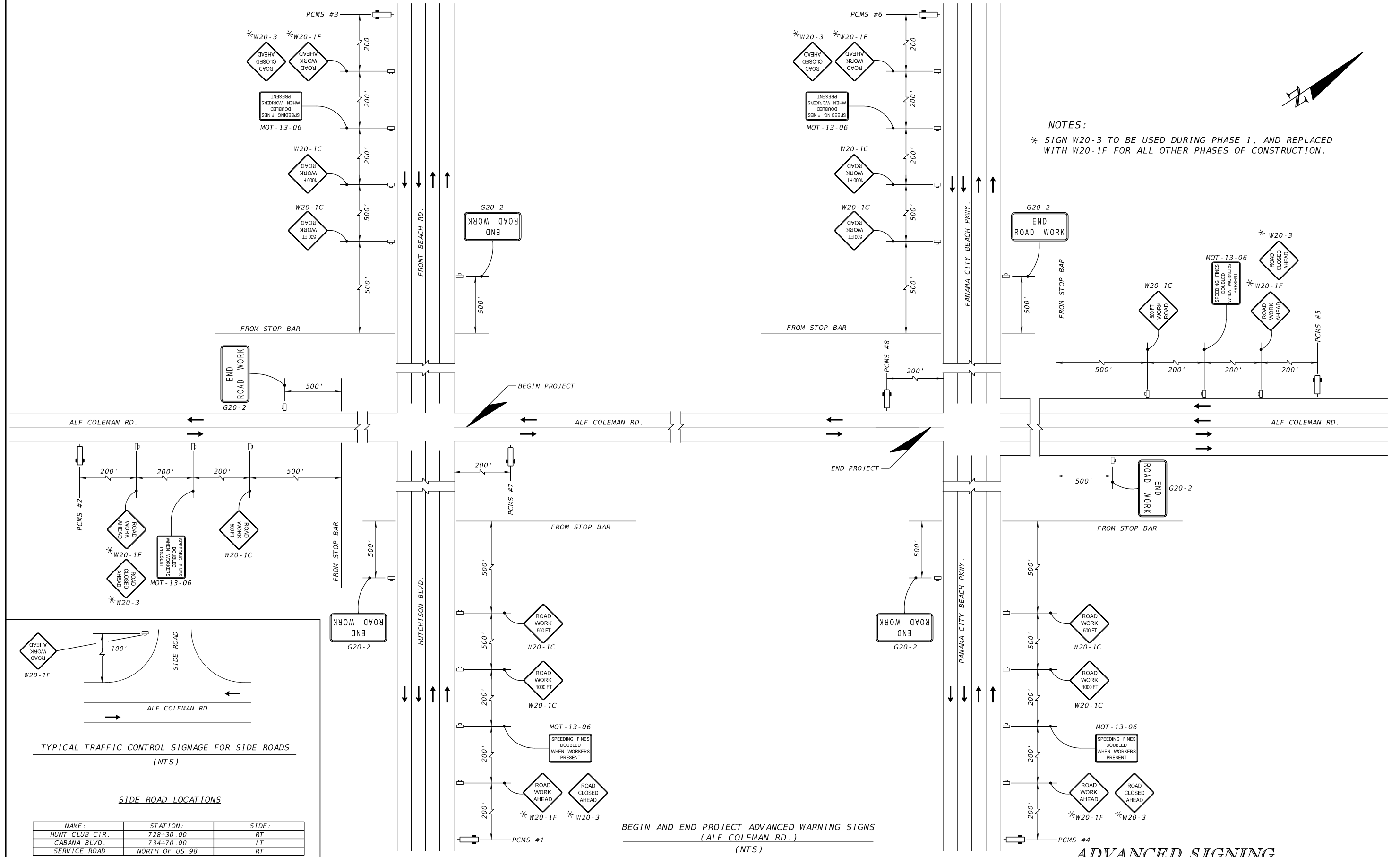
1. PLACE FRICTION COURSE PER ROADWAY PLANS AND IN ACCORDANCE WITH STANDARD PLANS 102-600 AND 102-603.
2. INSTALL FINAL PAVEMENT MARKINGS AND SIGNS IN ACCORDANCE WITH STANDARD PLANS INDEXES 102-600 THRU 102-603.
3. REMOVE ALL TRAFFIC CONTROL DEVICES, SURVEY STAKES, WETLAND FLAGS, AND EROSION CONTROL DEVICES IN ACCORDANCE WITH STANDARD PLANS 102-600 SERIES.

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | TEMPORARY TRAFFIC CONTROL PLAN | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|---|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | 91 |
| | | | | | N/A | BAY | 441742-2-58-01 | | |

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NOTES:
 * SIGN W20-3 TO BE USED DURING PHASE I, AND REPLACED WITH W20-1F FOR ALL OTHER PHASES OF CONSTRUCTION.



TYPICAL TRAFFIC CONTROL SIGNAGE FOR SIDE ROADS
(NTS)

SIDE ROAD LOCATIONS

| NAME: | STATION: | SIDE: |
|----------------|----------------|-------|
| HUNT CLUB CIR. | 728+30.00 | RT |
| CABANA BLVD. | 734+70.00 | LT |
| SERVICE ROAD | NORTH OF US 98 | RT |

BEGIN AND END PROJECT ADVANCED WARNING SIGNS
(ALF COLEMAN RD.)
(NTS)

ADVANCED SIGNING

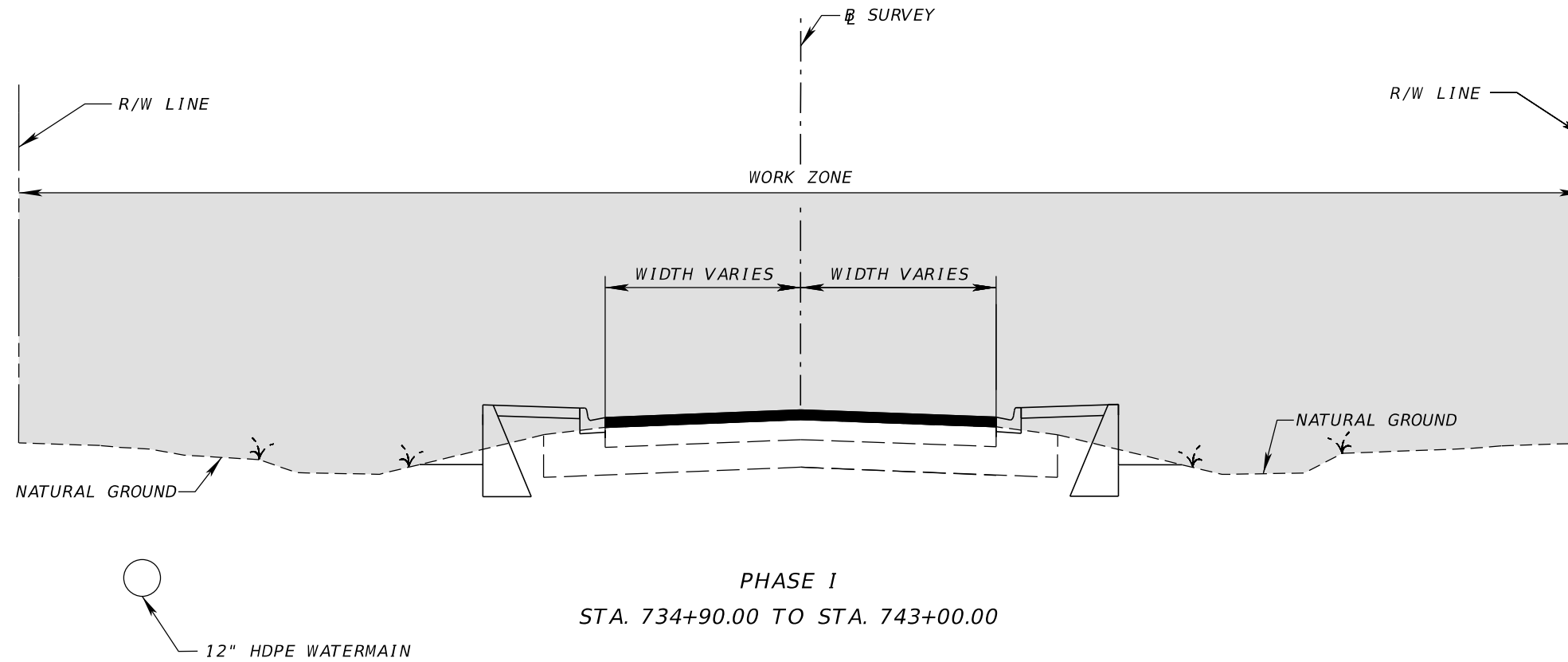
| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO.
92

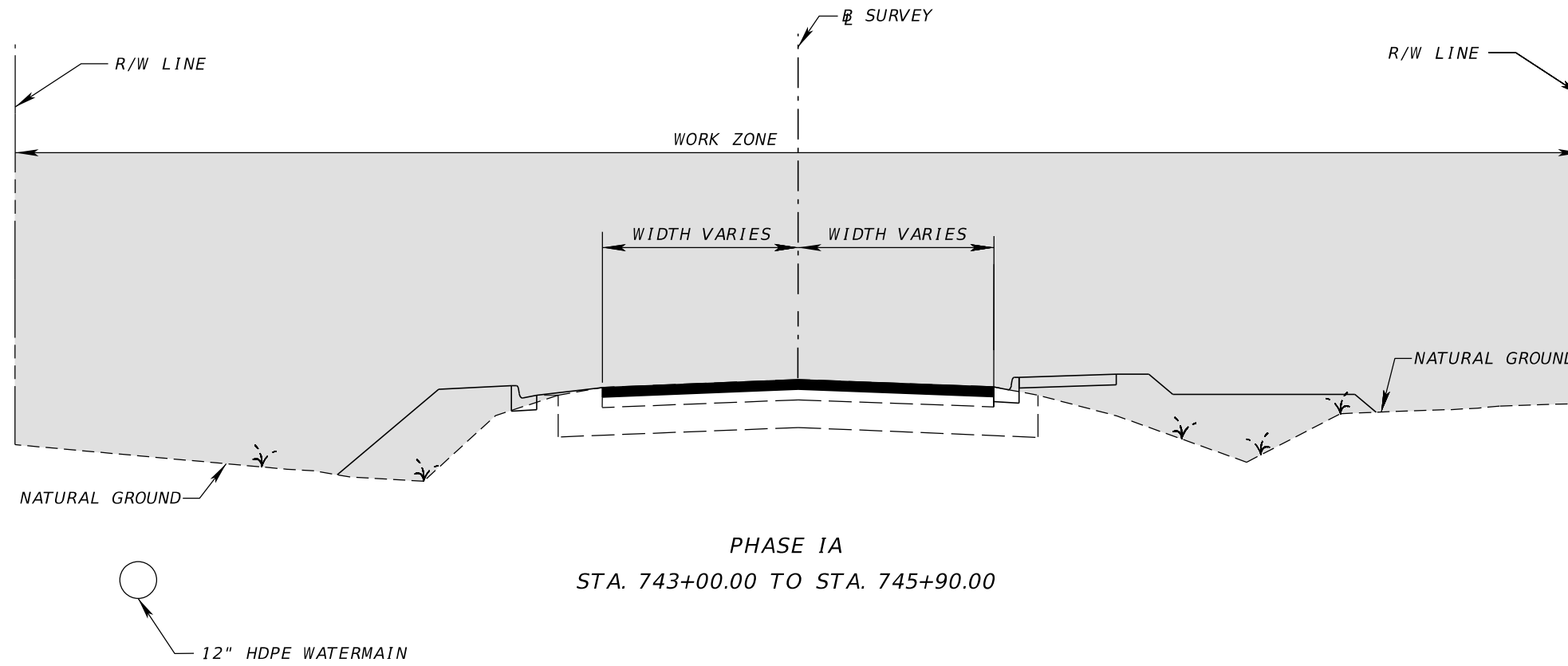


PHASE I
 STA. 734+90.00 TO STA. 743+00.00

TYPICAL SECTION

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | TEMPORARY TRAFFIC CONTROL PLAN | SHEET NO. 93 |
|-----------|-------------|------|-------------|--|--|--------|----------------------|-----------------------------------|------------------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | | N/A | BAY | | 441742-2-58-01 |

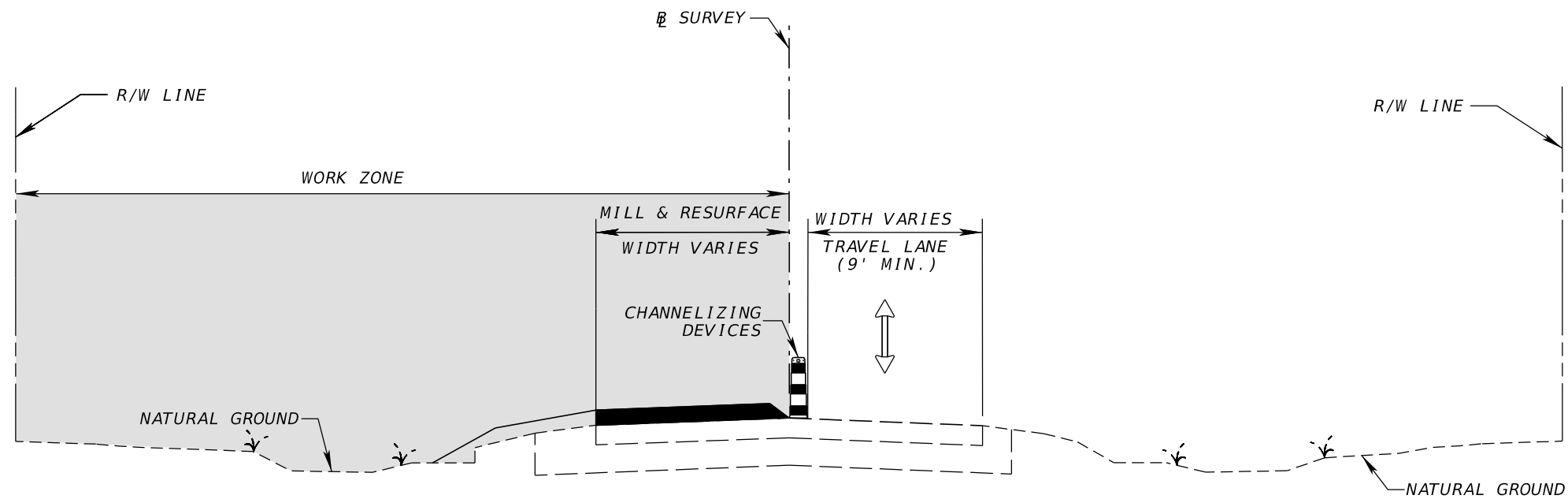
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



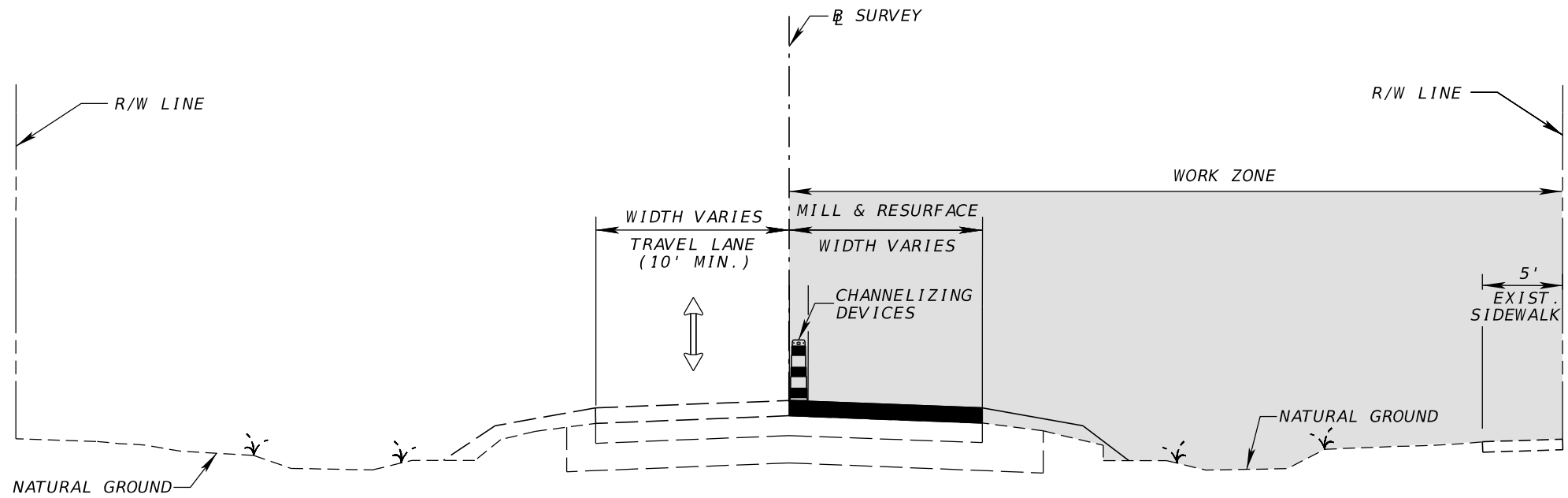
TYPICAL SECTION

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | TEMPORARY TRAFFIC CONTROL PLAN | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|---|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | 94 |
| | | | | | N/A | BAY | 441742-2-58-01 | | |

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PHASE IIA
 STA. 718+39.78 TO STA. 734+90.00
 STA. 745+90.00 TO STA. STA. 749+21.40



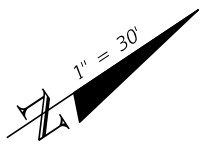
PHASE IIB
 STA. 718+39.78 TO STA. 734+90.00
 STA. 745+90.00 TO STA. STA. 749+21.40

PHASE II NOTE:
 PLACE R5-2A AT STA. 718+80.00
 OFFSET 25.0' RT FOR DURATION
 OF PHASE II TTCP.

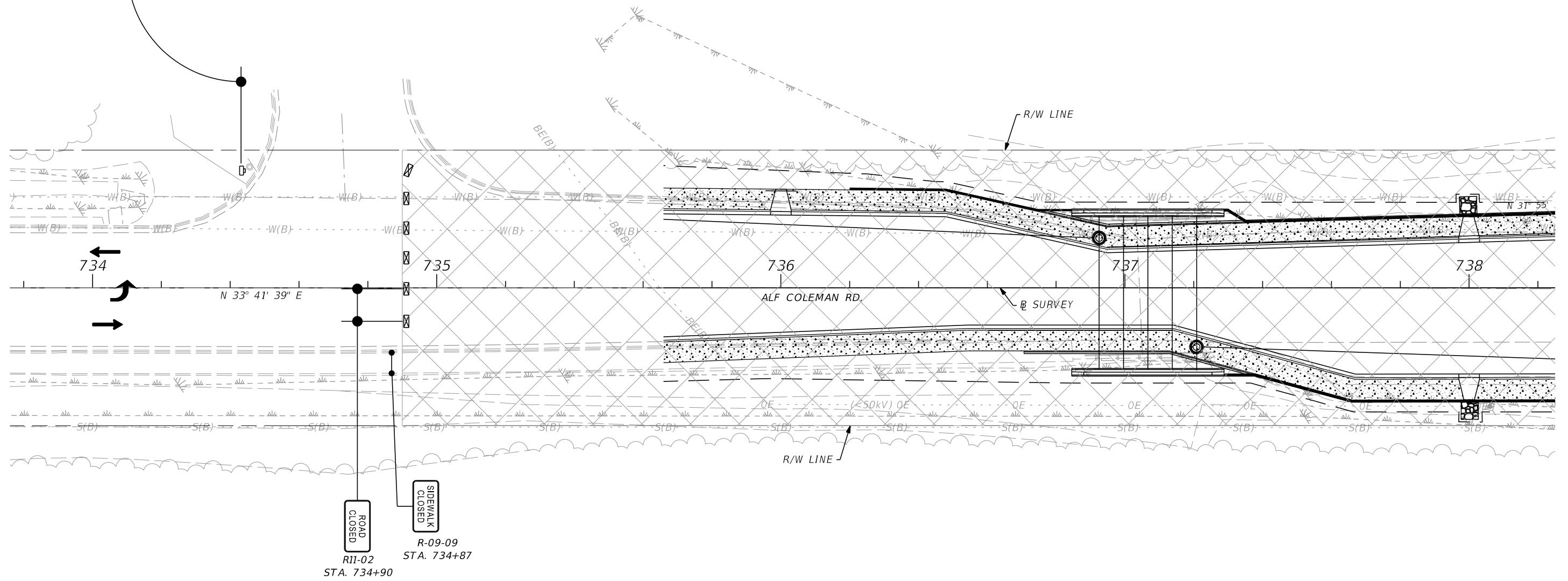
TYPICAL SECTION

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | TEMPORARY TRAFFIC CONTROL PLAN | SHEET NO. 95 |
|-----------|-------------|------|-------------|--|--|--------|----------------------|-----------------------------------|------------------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | |






THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

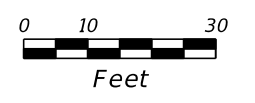


MOT-11-06
STA. 734+43



LEGEND

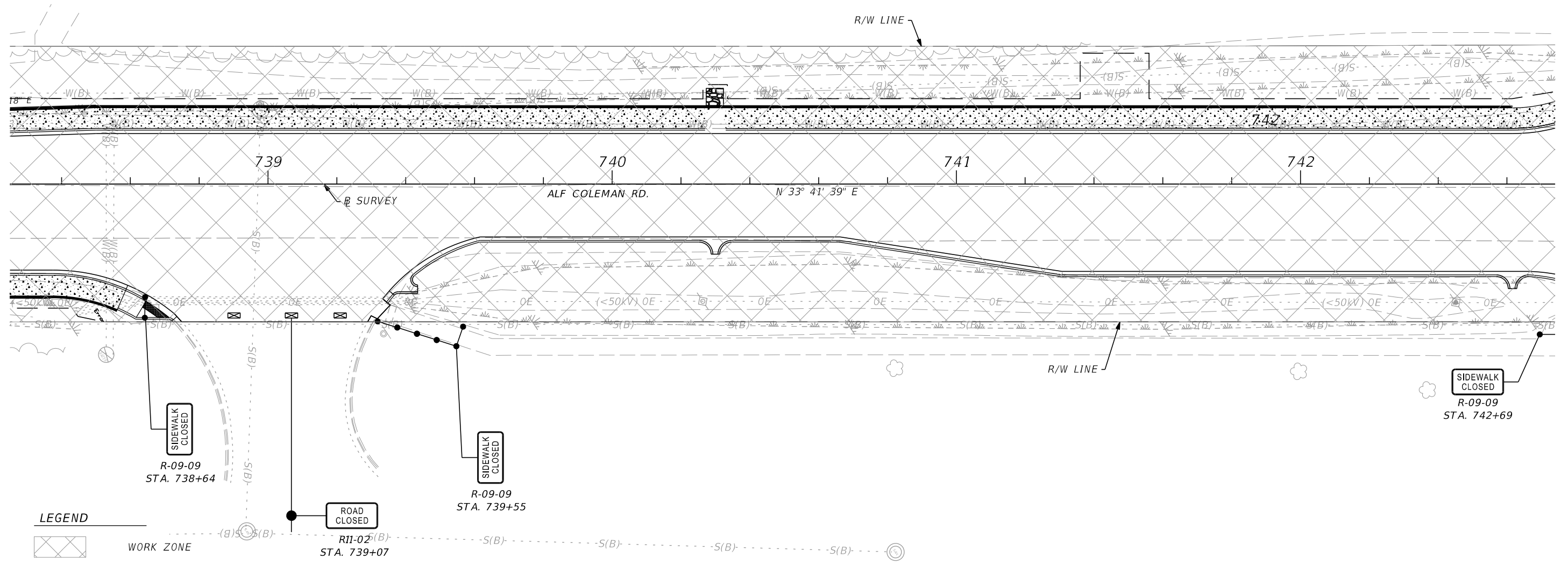
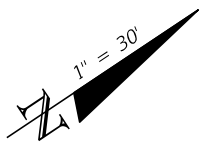
-  WORK ZONE
-  WORK ZONE SIGN
-  CHANNELIZING DEVICE
-  TYPE III BARRICADE W/ ROAD CLOSED SIGN
-  LANE IDENTIFICATION AND DIRECTION OF TRAFFIC



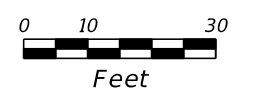
PHASE I

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | TEMPORARY TRAFFIC CONTROL PLAN | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|---|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | 96 |
| | | | | | N/A | BAY | 441742-2-58-01 | | |

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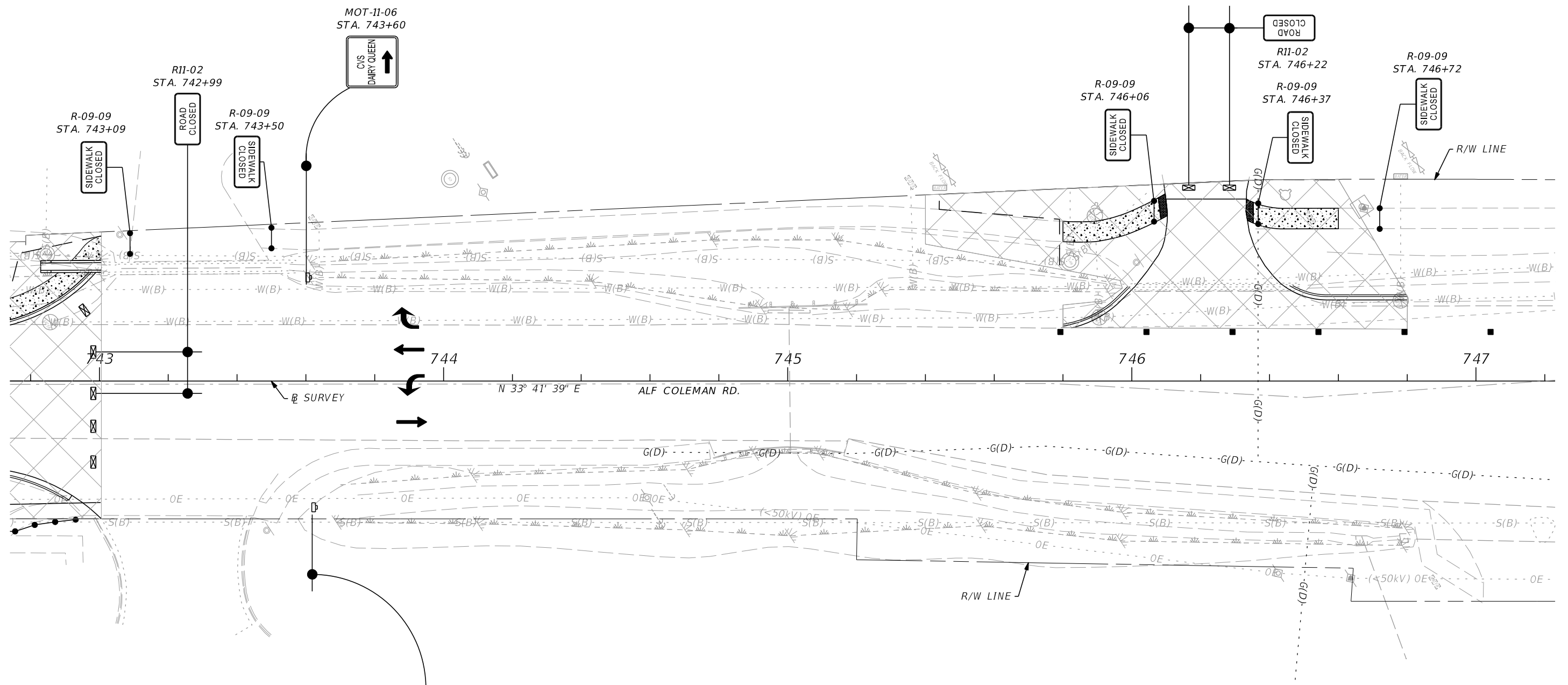
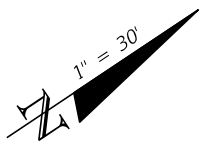
- LEGEND**
- WORK ZONE
 - WORK ZONE SIGN
 - CHANNELIZING DEVICE
 - TYPE III BARRICADE W/ ROAD CLOSED SIGN
 - PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICE (LCD)









PHASE I

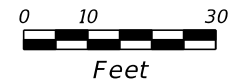
| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | TEMPORARY TRAFFIC CONTROL PLAN | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|---|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | 97 |
| | | | | | N/A | BAY | 441742-2-58-01 | | |

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LEGEND

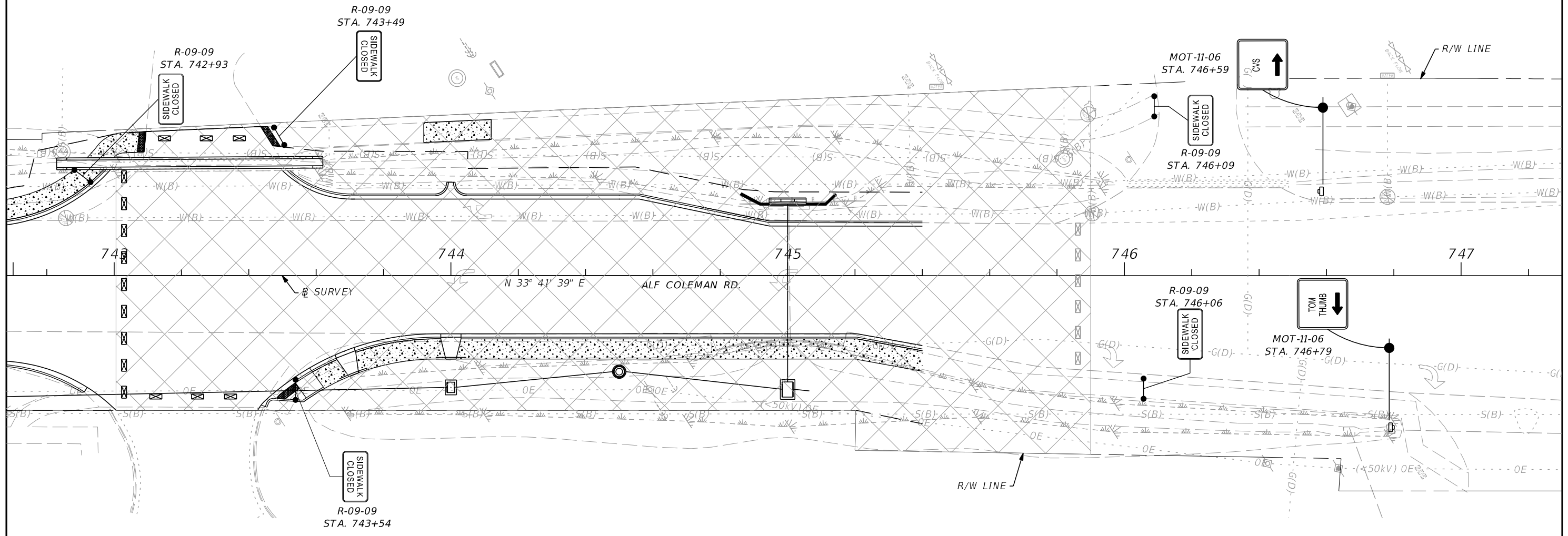
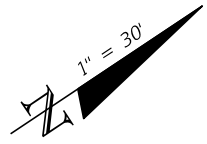
-  WORK ZONE
-  WORK ZONE SIGN
-  CHANNELIZING DEVICE
-  TYPE III BARRICADE W/ ROAD CLOSED SIGN
-  LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
-  PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICE (LCD)



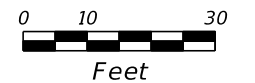
PHASE I

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | TEMPORARY TRAFFIC CONTROL PLAN | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|---|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | 98 |
| | | | | | N/A | BAY | 441742-2-58-01 | | |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



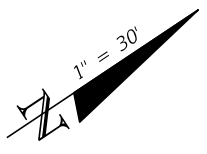
| LEGEND | |
|--------|--|
| | WORK ZONE |
| | WORK ZONE SIGN |
| | TYPE III BARRICADE W/ ROAD CLOSED SIGN |



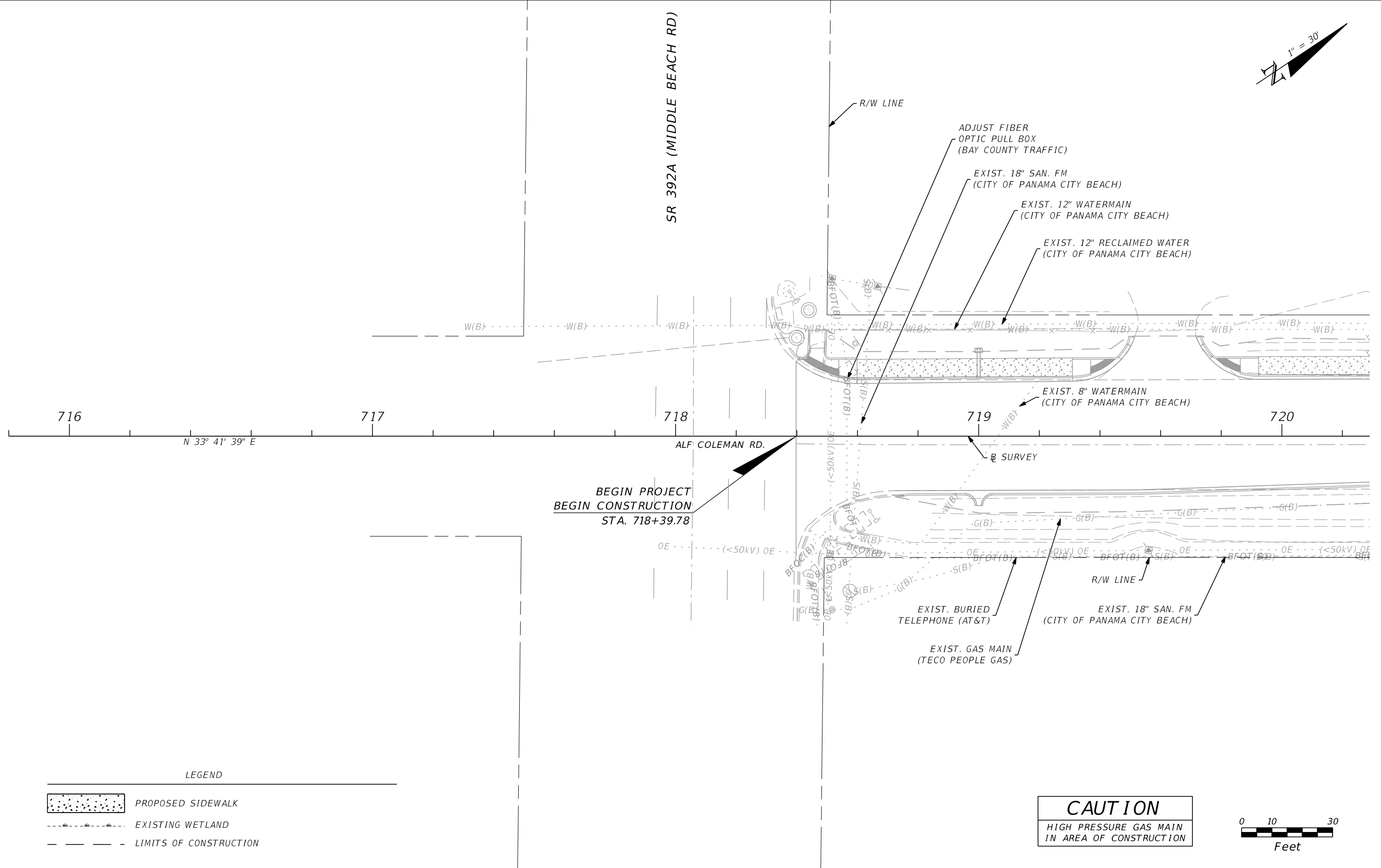
PHASE IA

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | TEMPORARY TRAFFIC CONTROL PLAN | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|-----------------------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | 99 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

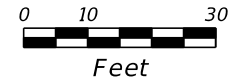


SR 392A (MIDDLE BEACH RD)



BEGIN PROJECT
BEGIN CONSTRUCTION
STA. 718+39.78

CAUTION
HIGH PRESSURE GAS MAIN
IN AREA OF CONSTRUCTION



LEGEND

- PROPOSED SIDEWALK
- EXISTING WETLAND
- LIMITS OF CONSTRUCTION

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

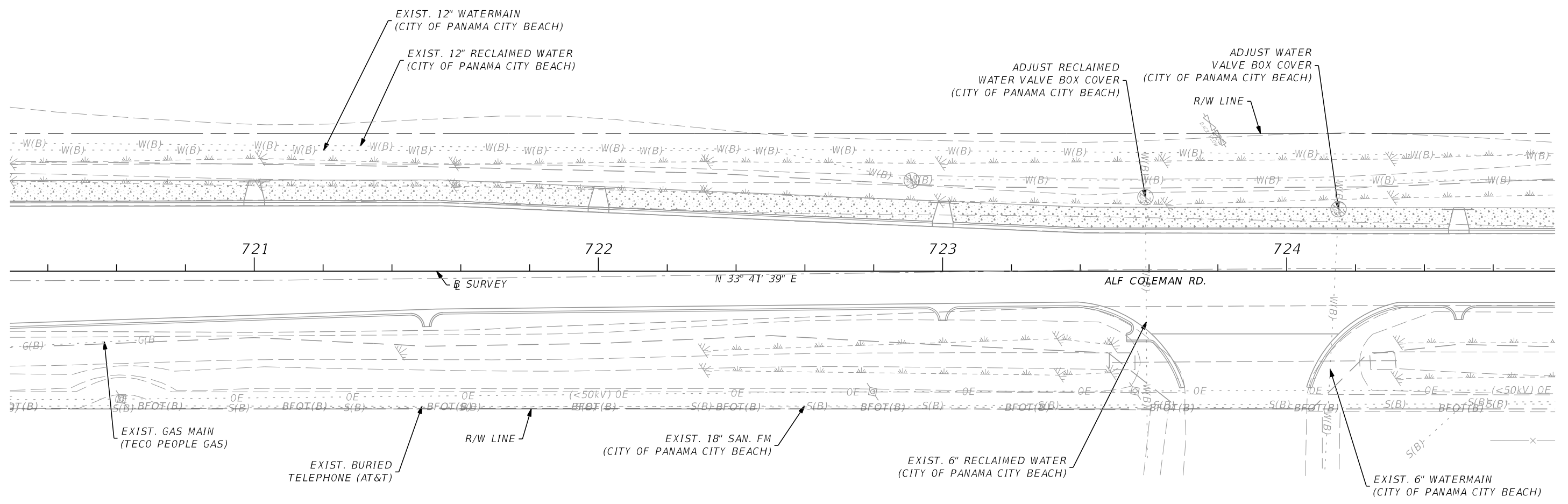
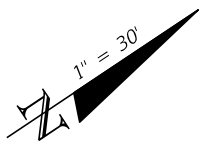
RICKY L. DODD, P.E.
P.E. LICENSE NUMBER 88526
GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DR.
CHIPLEY, FL 32428

| | | |
|--|--------|----------------------|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

UTILITY ADJUSTMENTS

SHEET NO.
100

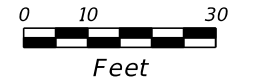
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



LEGEND

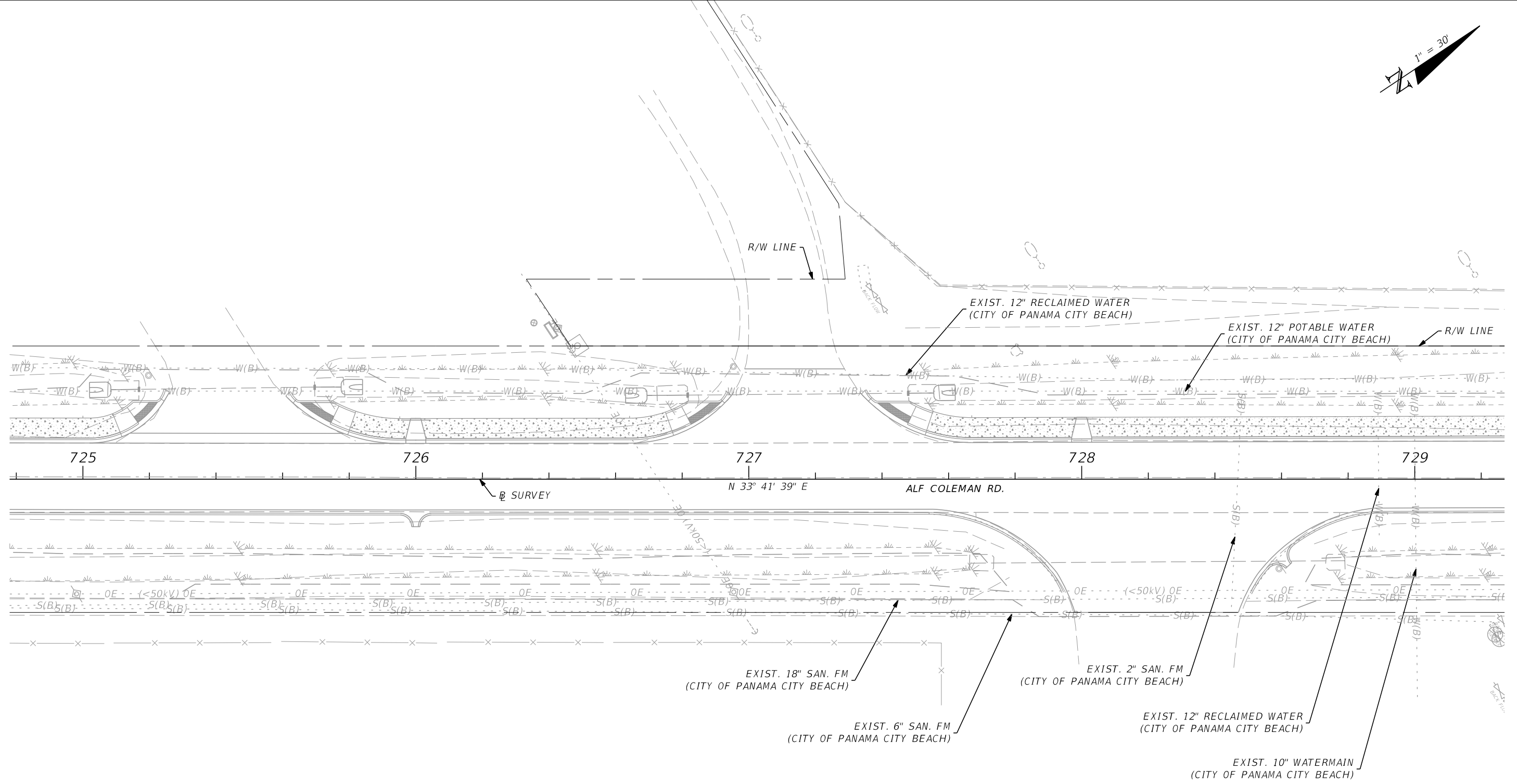
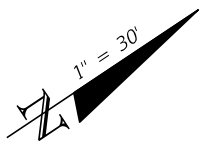
- PROPOSED SIDEWALK
- EXISTING WETLAND
- LIMITS OF CONSTRUCTION

CAUTION
HIGH PRESSURE GAS MAIN
IN AREA OF CONSTRUCTION



| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | UTILITY ADJUSTMENTS | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|---------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | 101 |
| | | | | | N/A | BAY | 441742-2-58-01 | | |

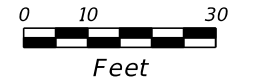
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



LEGEND

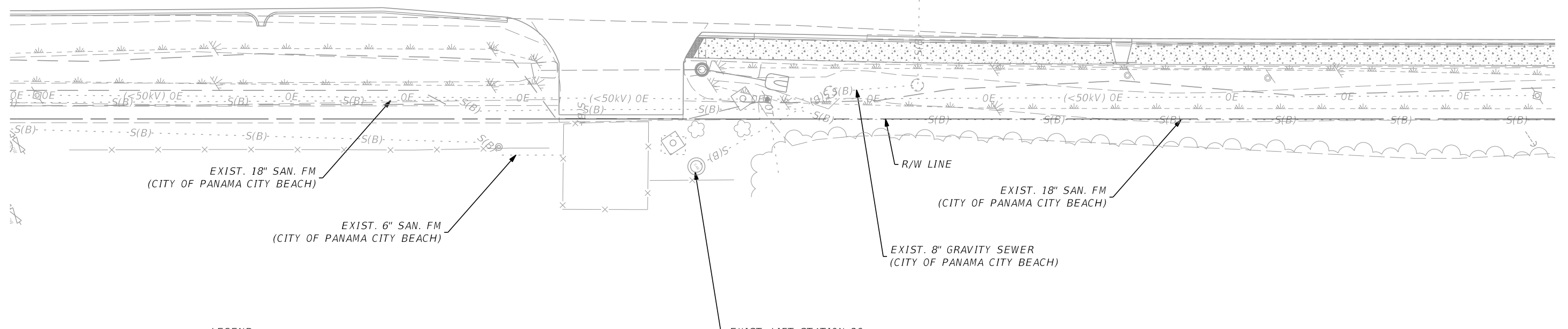
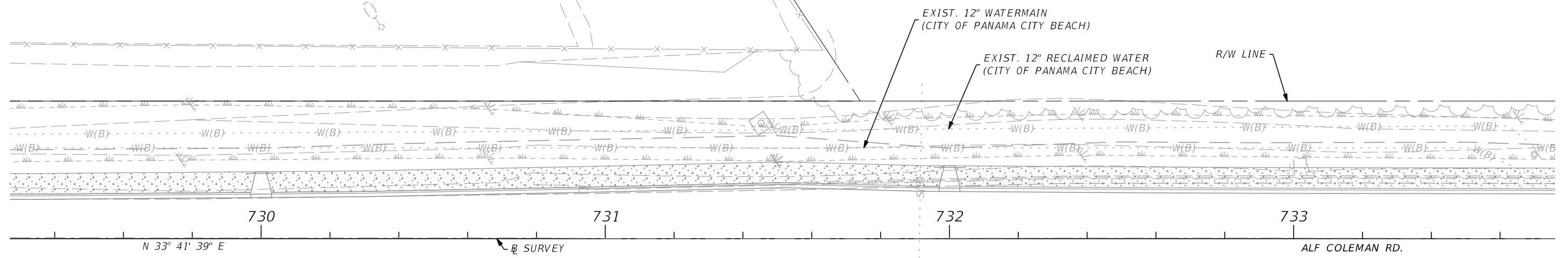
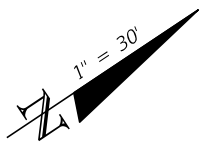
- PROPOSED SIDEWALK
- EXISTING WETLAND
- LIMITS OF CONSTRUCTION

CAUTION
HIGH PRESSURE GAS MAIN
IN AREA OF CONSTRUCTION


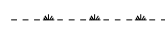
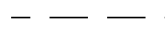


| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | UTILITY ADJUSTMENTS | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|----------------------------|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | 102 |
| | | | | | N/A | BAY | 441742-2-58-01 | | |

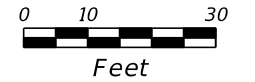
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



LEGEND

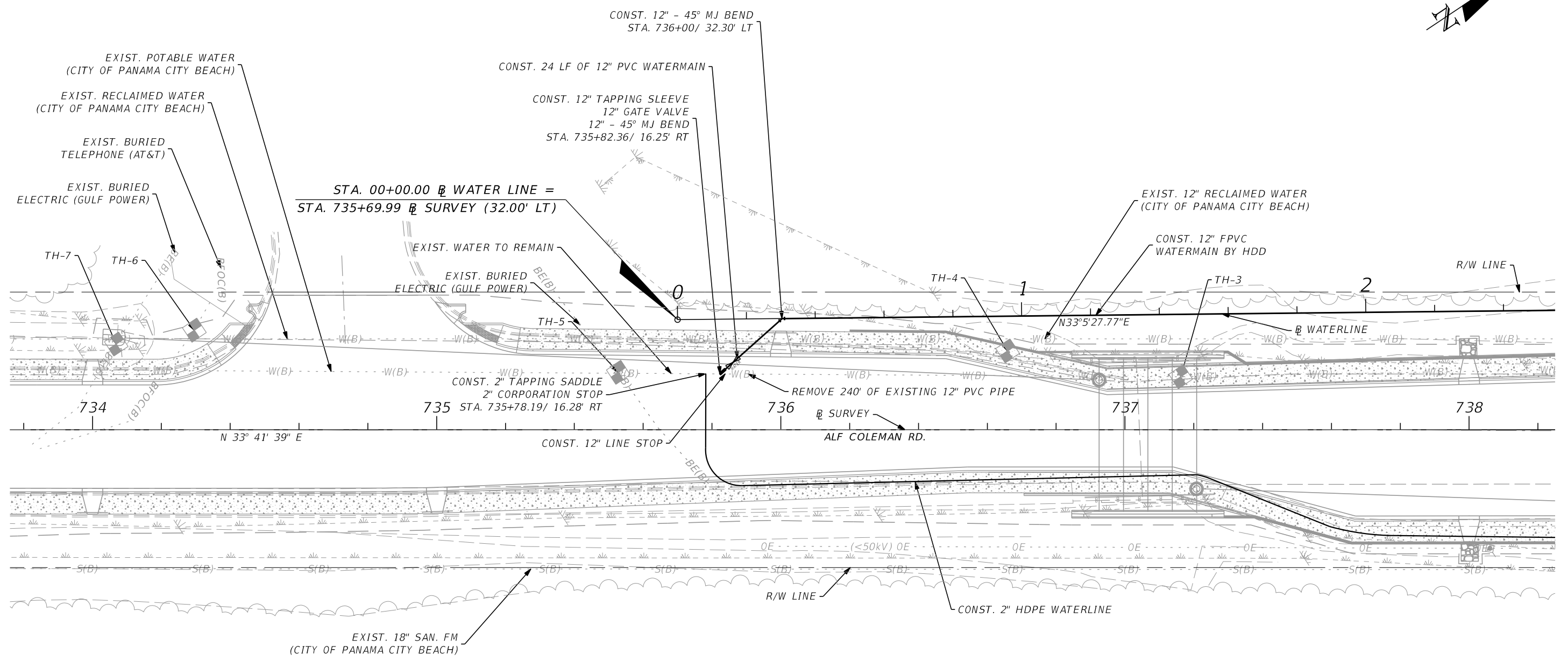
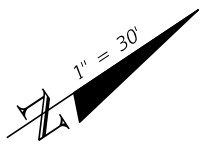
-  PROPOSED SIDEWALK
-  EXISTING WETLAND
-  LIMITS OF CONSTRUCTION

CAUTION
HIGH PRESSURE GAS MAIN
IN AREA OF CONSTRUCTION



| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | UTILITY ADJUSTMENTS SHEET NO. 103 |
|-----------|-------------|------|-------------|--|--|--------|----------------------|--|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | |
| | | | | | N/A | BAY | 441742-2-58-01 | |

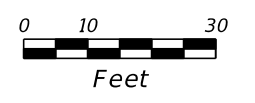
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



LEGEND

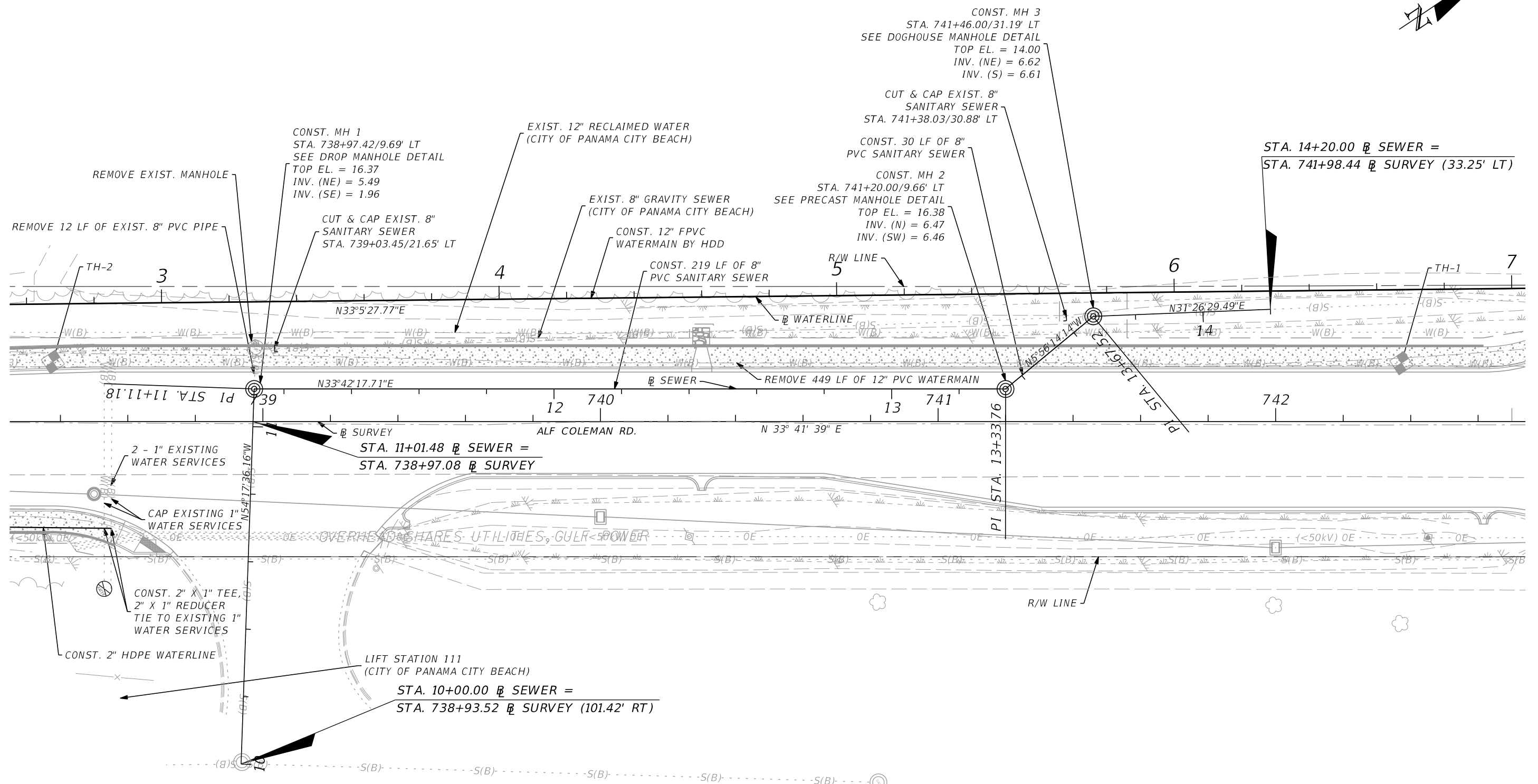
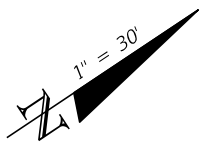
- PROPOSED SIDEWALK
- EXISTING WETLAND
- LIMITS OF CONSTRUCTION

CAUTION
HIGH PRESSURE GAS MAIN
IN AREA OF CONSTRUCTION



| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | UTILITY ADJUSTMENTS | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|---------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | 104 |
| | | | | | N/A | BAY | 441742-2-58-01 | | |

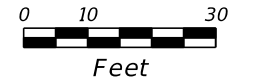
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



LEGEND

| | |
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| | PROPOSED SIDEWALK/CONCRETE |
| | EXISTING WETLAND |
| | LIMITS OF CONSTRUCTION |

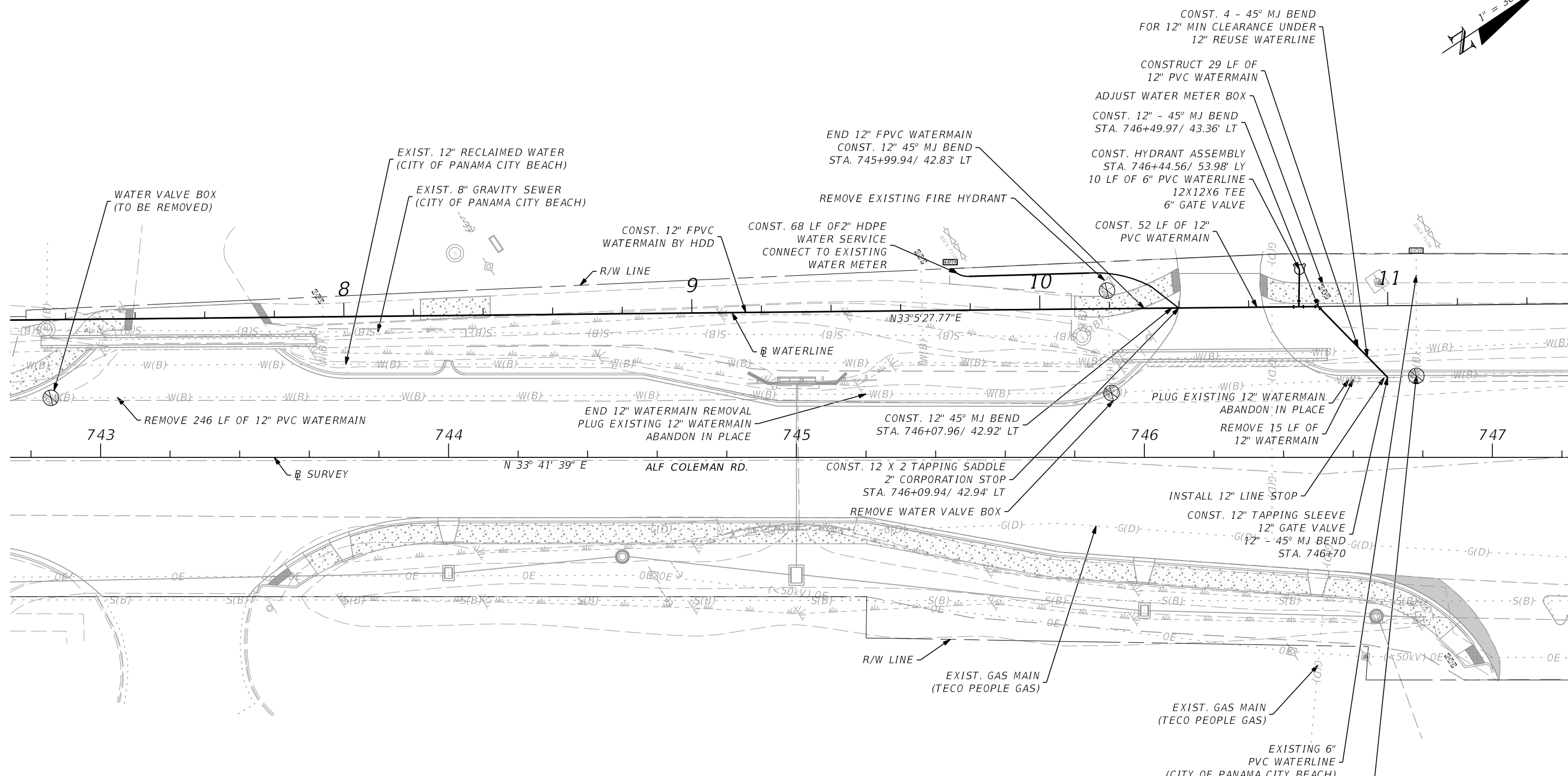
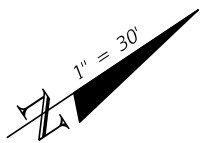
CAUTION
HIGH PRESSURE GAS MAIN
IN AREA OF CONSTRUCTION



| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | SHEET NO. 105 |
|-----------|-------------|------|-------------|--|--|--------|----------------------|----------------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | |
| | | | | | N/A | BAY | 441742-2-58-01 | |

UTILITY ADJUSTMENTS

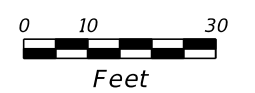
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LEGEND

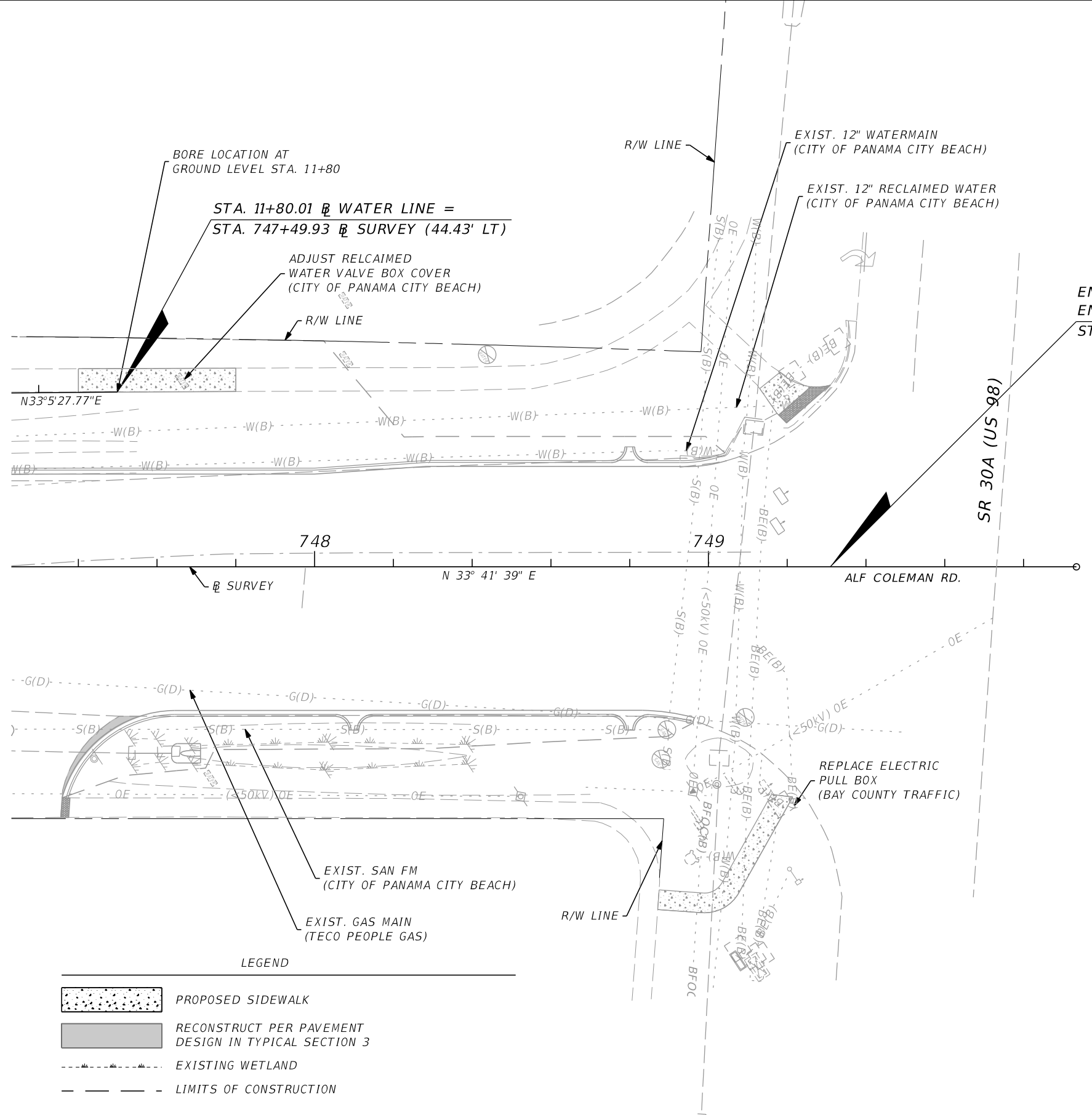
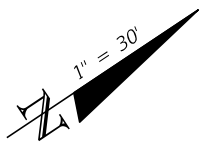
- PROPOSED SIDEWALK/CONCRETE
- RECONSTRUCT PER PAVEMENT DESIGN IN TYPICAL SECTION 3
- EXISTING WETLAND
- LIMITS OF CONSTRUCTION

CAUTION
HIGH PRESSURE GAS MAIN
IN AREA OF CONSTRUCTION



| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | UTILITY ADJUSTMENTS | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|---------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | 106 |
| | | | | | N/A | BAY | 441742-2-58-01 | | |

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BORE LOCATION AT
GROUND LEVEL STA. 11+80

STA. 11+80.01 @ WATER LINE =
STA. 747+49.93 @ SURVEY (44.43' LT)

ADJUST RECLAIMED
WATER VALVE BOX COVER
(CITY OF PANAMA CITY BEACH)

EXIST. 12" WATERMAIN
(CITY OF PANAMA CITY BEACH)

EXIST. 12" RECLAIMED WATER
(CITY OF PANAMA CITY BEACH)

END PROJECT
END CONSTRUCTION
STA. 749+30.91

748

749

N 33° 41' 39" E

ALF COLEMAN RD.

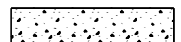

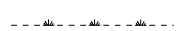

SR 30A (US 98)

REPLACE ELECTRIC
PULL BOX
(BAY COUNTY TRAFFIC)

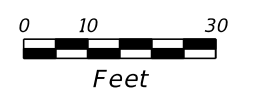
EXIST. SAN FM
(CITY OF PANAMA CITY BEACH)

EXIST. GAS MAIN
(TECO PEOPLE GAS)

LEGEND

-  PROPOSED SIDEWALK
-  RECONSTRUCT PER PAVEMENT
DESIGN IN TYPICAL SECTION 3
-  EXISTING WETLAND
-  LIMITS OF CONSTRUCTION

CAUTION
HIGH PRESSURE GAS MAIN
IN AREA OF CONSTRUCTION



| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

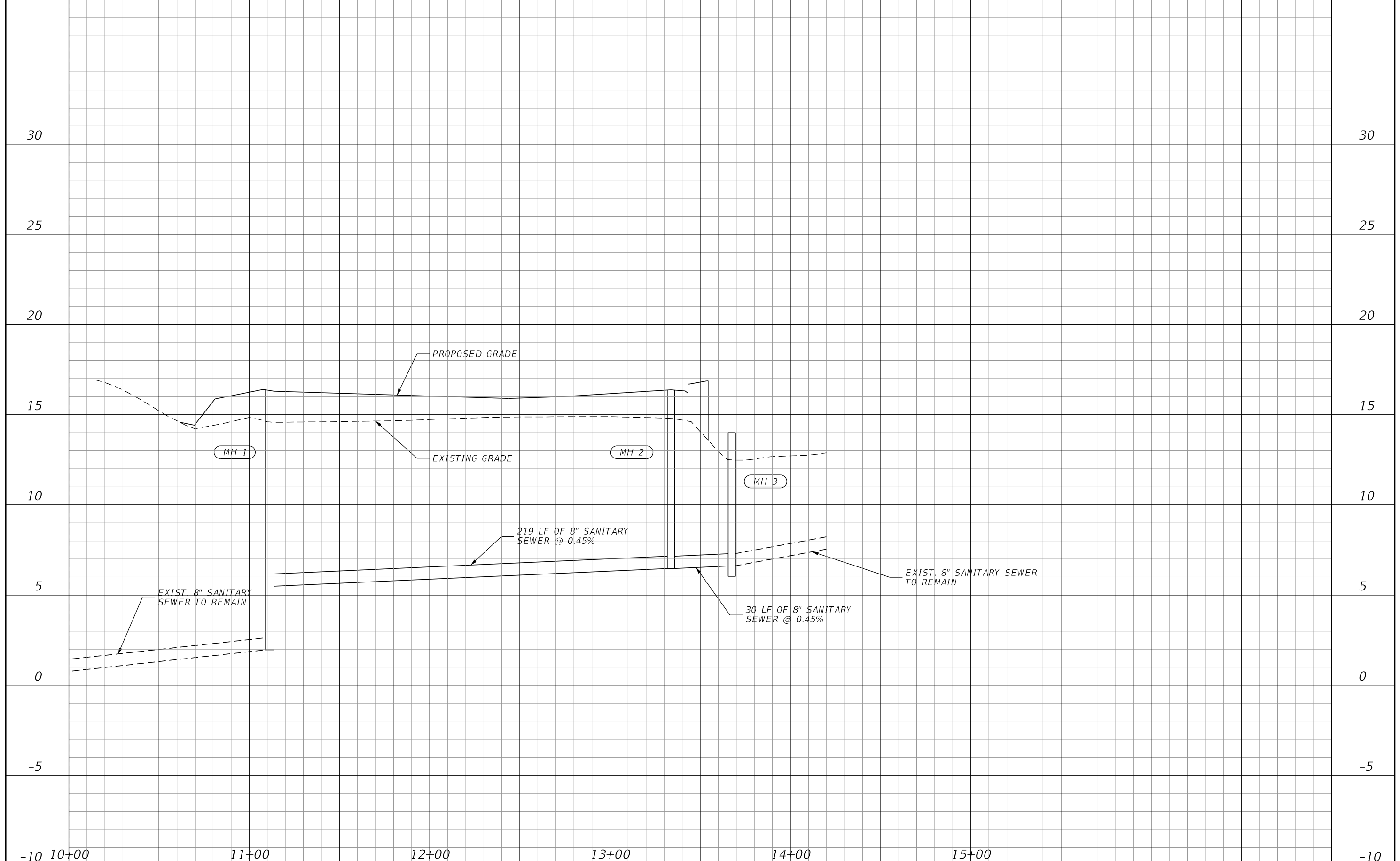
RICKY L. DODD, P.E.
P.E. LICENSE NUMBER 88526
GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DR.
CHIPLEY, FL 32428

| | | |
|--|--------|----------------------|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

UTILITY ADJUSTMENTS

SHEET
NO.
107

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

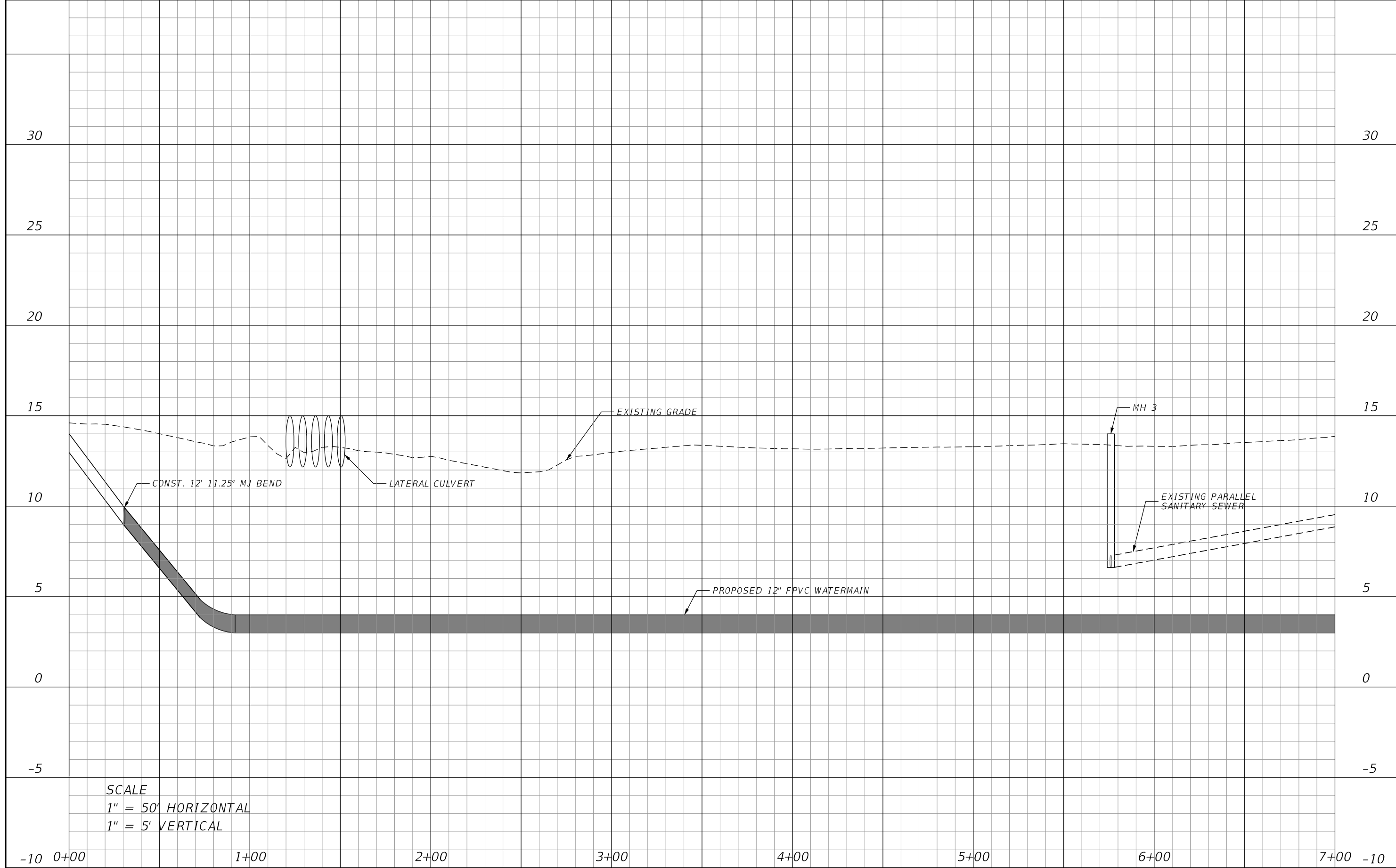
RICKY L. DODD, P.E.
P.E. LICENSE NUMBER 88526
GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DR.
CHIPLEY, FL 32428

| | | |
|--|--------|----------------------|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

UTILITY ADJUSTMENTS
SEWER PROFILE

SHEET NO.
108

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SCALE
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

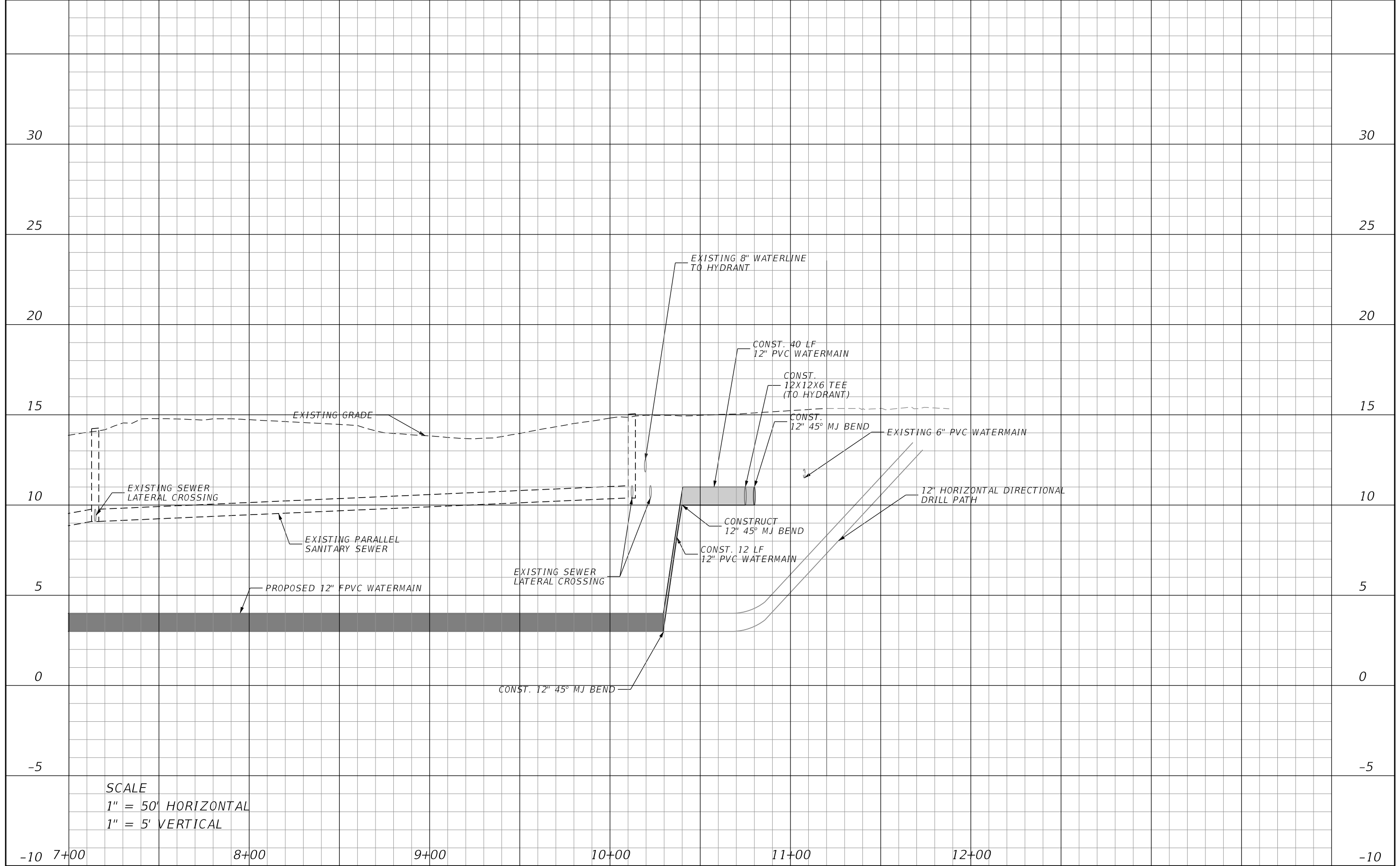
RICKY L. DODD, P.E.
 P.E. LICENSE NUMBER 88526
 GREENMAN-PEDERSEN, INC.
 1273 OFFICE PARK DR.
 CHIPLEY, FL 32428

| | | |
|--|--------|----------------------|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

UTILITY ADJUSTMENTS
WATER PROFILE (01)

SHEET NO.
109

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

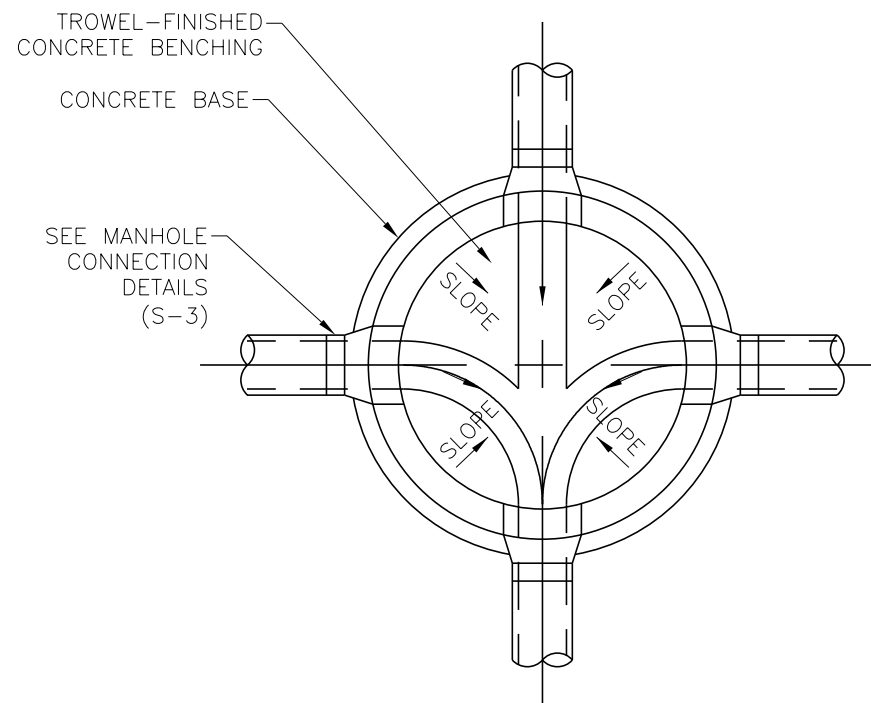
RICKY L. DODD, P.E.
P.E. LICENSE NUMBER 88526
GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DR.
CHIPLEY, FL 32428

| | | |
|--|--------|----------------------|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

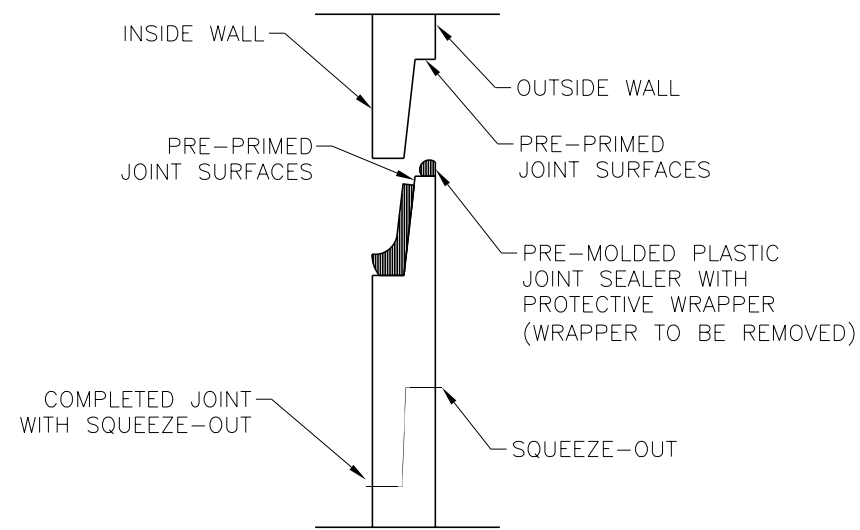
UTILITY ADJUSTMENTS
WATER PROFILE (02)

SHEET NO.
110

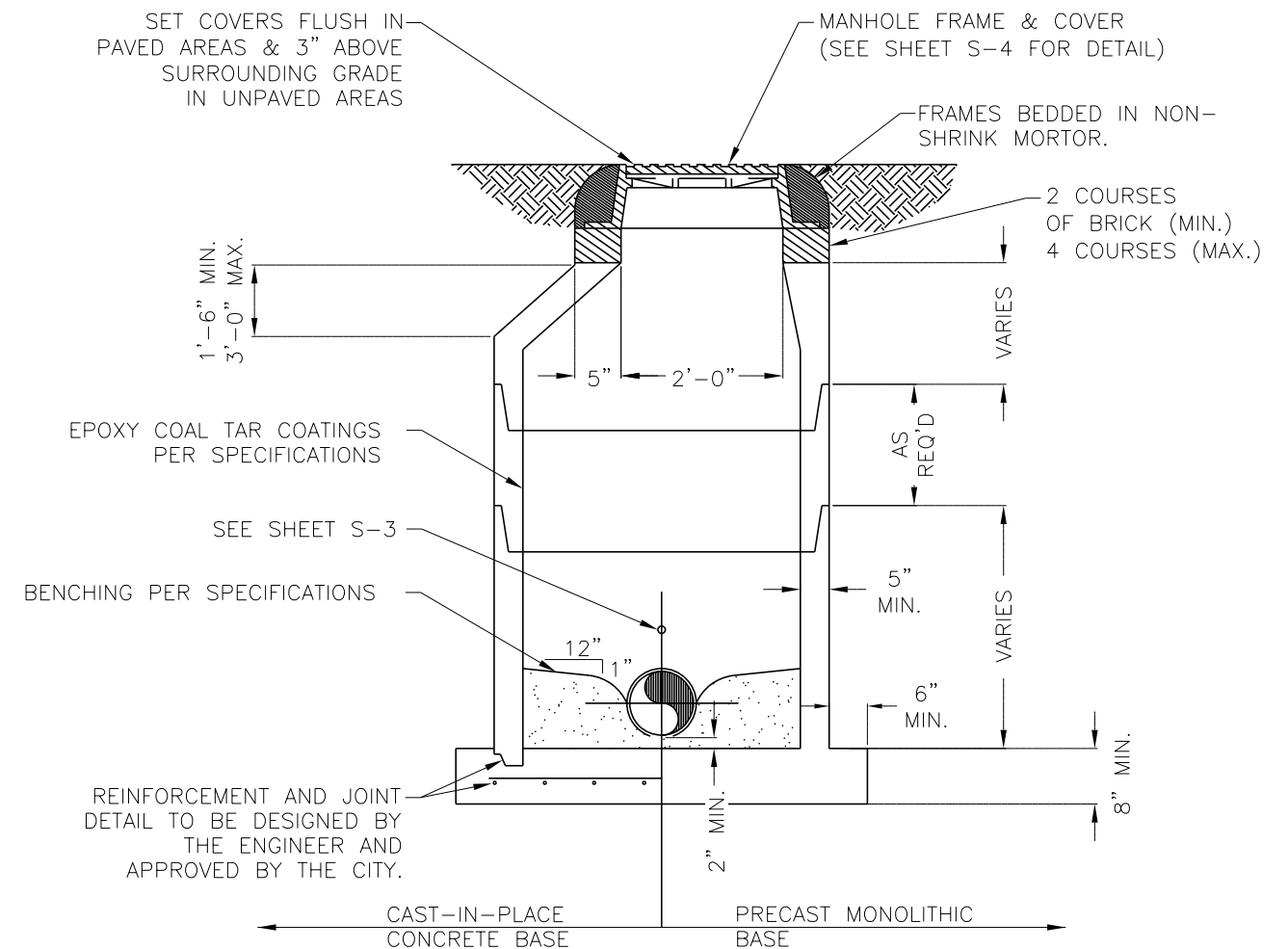
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



* SEE SHEET S-2 FOR CROSS SECTION AND NOTES



PRECAST CONCRETE MANHOLE DETAILS - JOINTS & FLOW
N.T.S



NOTES:

- 1.) MANHOLE SHOWN IS FOR SEWER SIZE 8" THRU 18", MANHOLE DIAMETER FOR SEWERS GREATER THAN 18" SHALL BE AS APPROVED BY CITY.
- 2.) DROP CONNECTIONS ARE REQUIRED WHENEVER INVERT OF INFLUENT SEWER IS 24" OR MORE ABOVE THE INVERT OF THE MANHOLE. SEE MANHOLE CONNECTION DETAILS.
- 3.) APPROVED CONCENTRIC CONE DESIGN MAY BE USED AS AN ALTERNATIVE.
- 4.) MANHOLE LIFT HOLES AND GRADE ADJUSTMENT RINGS SHALL BE SEALED W/ NON-SHIRNK MORTAR.
- 5.) MANHOLE COVERS IN SWALES OR DITCHES SHALL BE EXTENDED TO TOP OF BANK ELEVATION.

PRECAST CONCRETE MANHOLE DETAILS - SECTION & NOTES
N.T.S

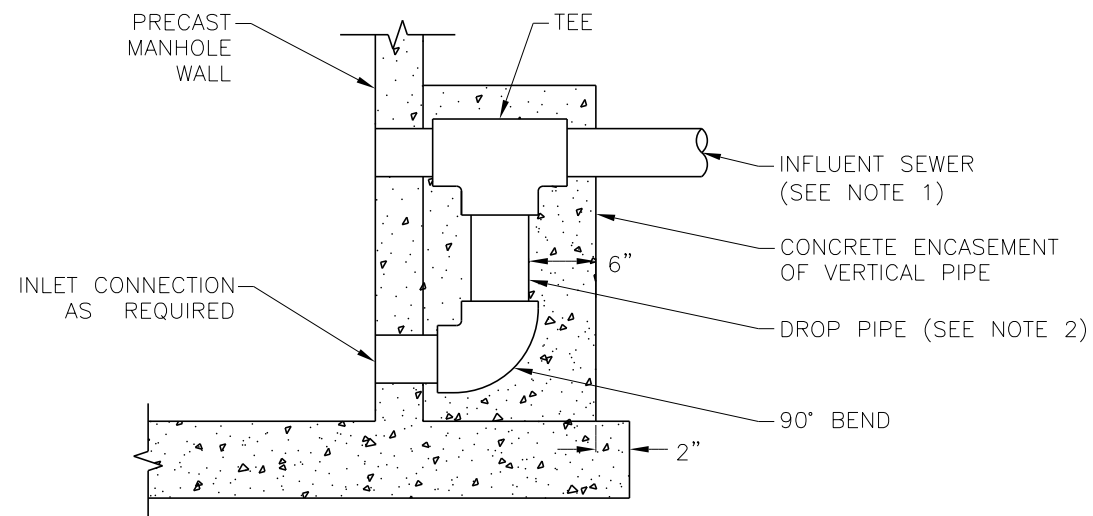
| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

RICKY L. DODD, P.E.
P.E. LICENSE NUMBER 88526
GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DR.
CHIPLEY, FL 32428

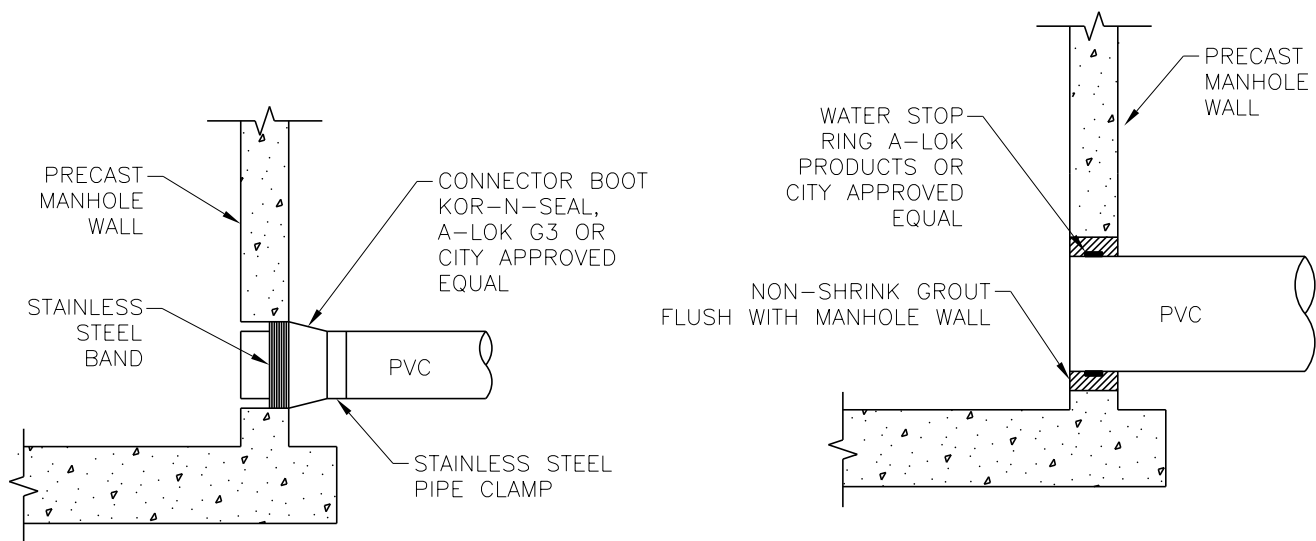
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

UTILITY ADJUSTMENT
DETAILS (01)

SHEET NO.
111



STANDARD DROP DETAIL
(PRIVATE SYSTEMS ONLY)



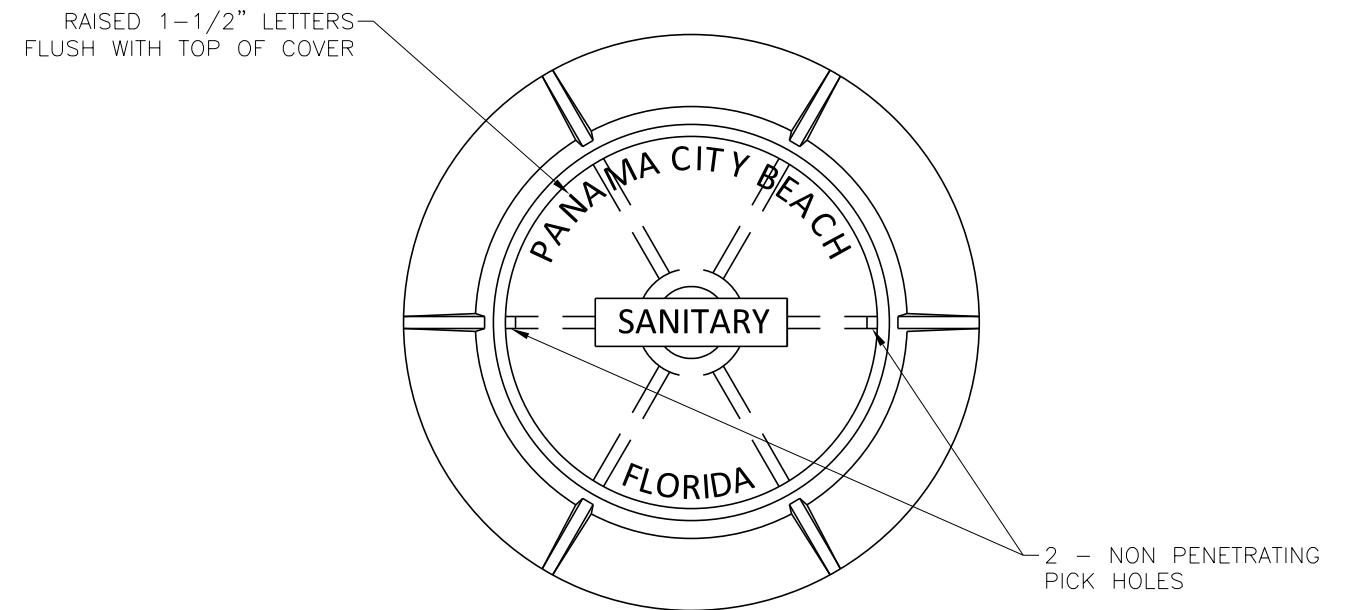
**STANDARD PRECAST MANHOLE
PIPE CONNECTION**

**SPECIAL DETAIL FOR 21" DIAMETER
PIPE AND LARGER**

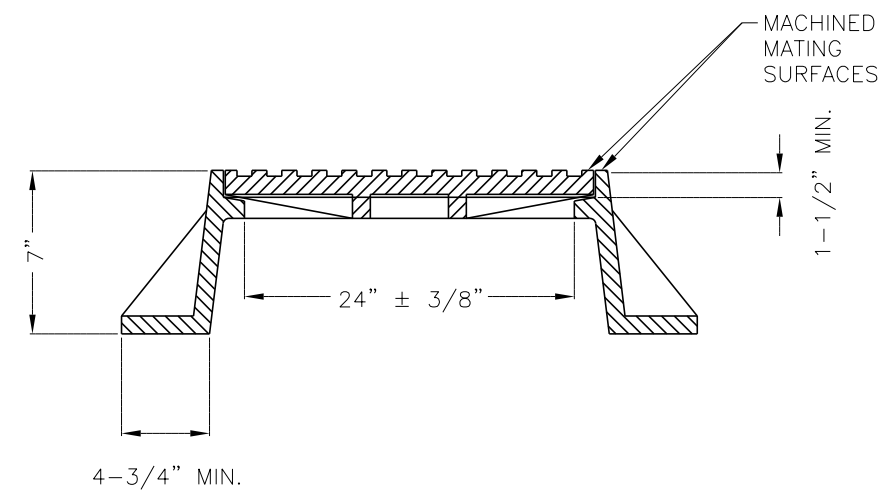
NOTES:

- 1.) AN OUTSIDE DROP CONNECTION SHALL BE REQUIRED FOR ALL INFLUENT WHICH HAVE AN INVERT 2' OR MORE ABOVE THE MANHOLE INVERT. (PRIVATE SYSTEMS ONLY)
- 2.) DROP PIPE AND FITTINGS SHALL BE OF EQUAL SIZE AND MATERIAL AS THE INFLUENT SEWER.

MANHOLE CONNECTION DETAILS
N.T.S



PLAN



ELEVATION

STANDARD MANHOLE FRAME AND COVER
N.T.S

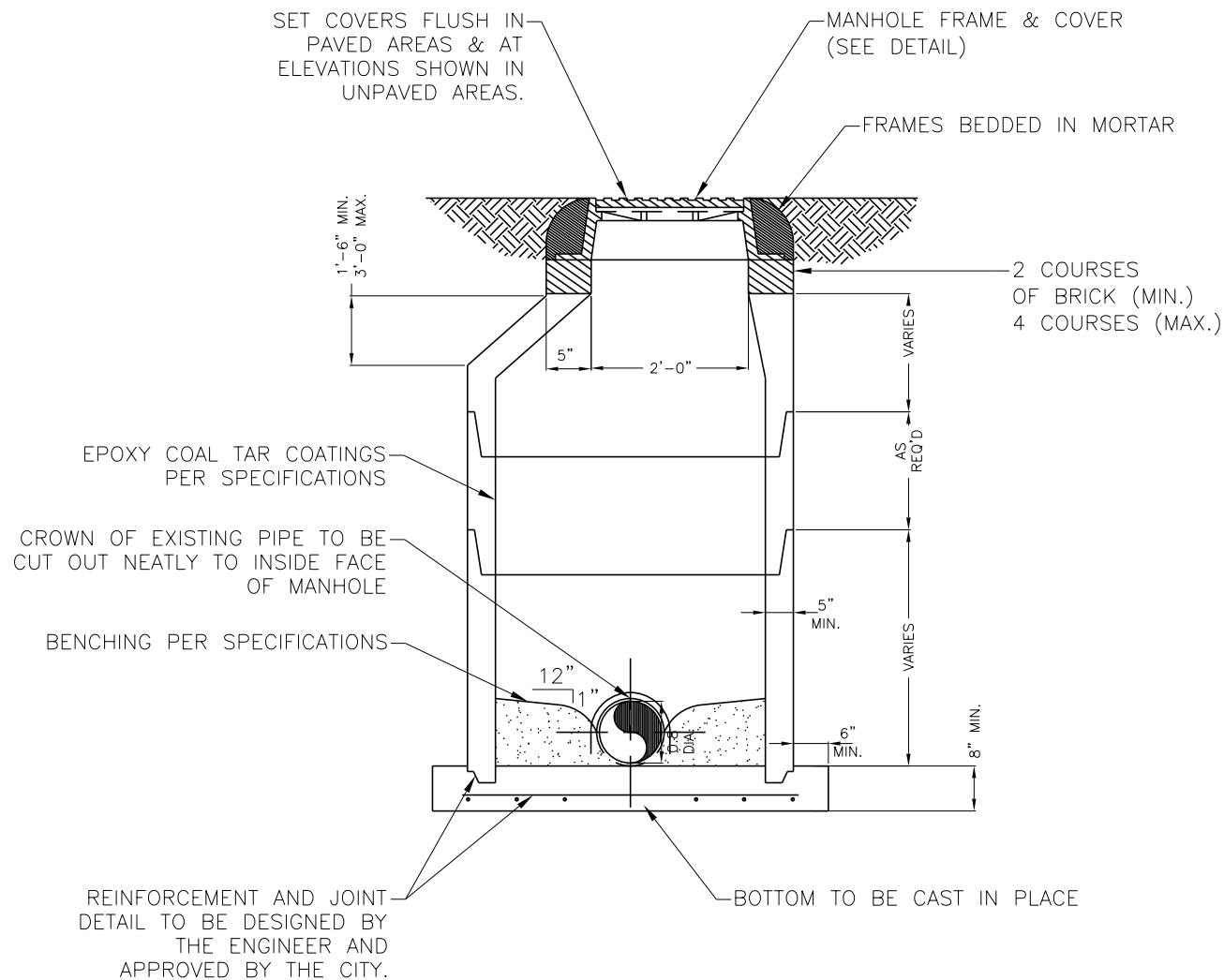
| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

RICKY L. DODD, P.E.
P.E. LICENSE NUMBER 88526
GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DR.
CHIPLEY, FL 32428

| | | |
|--|--------|----------------------|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

**UTILITY ADJUSTMENT
DETAILS (02)**

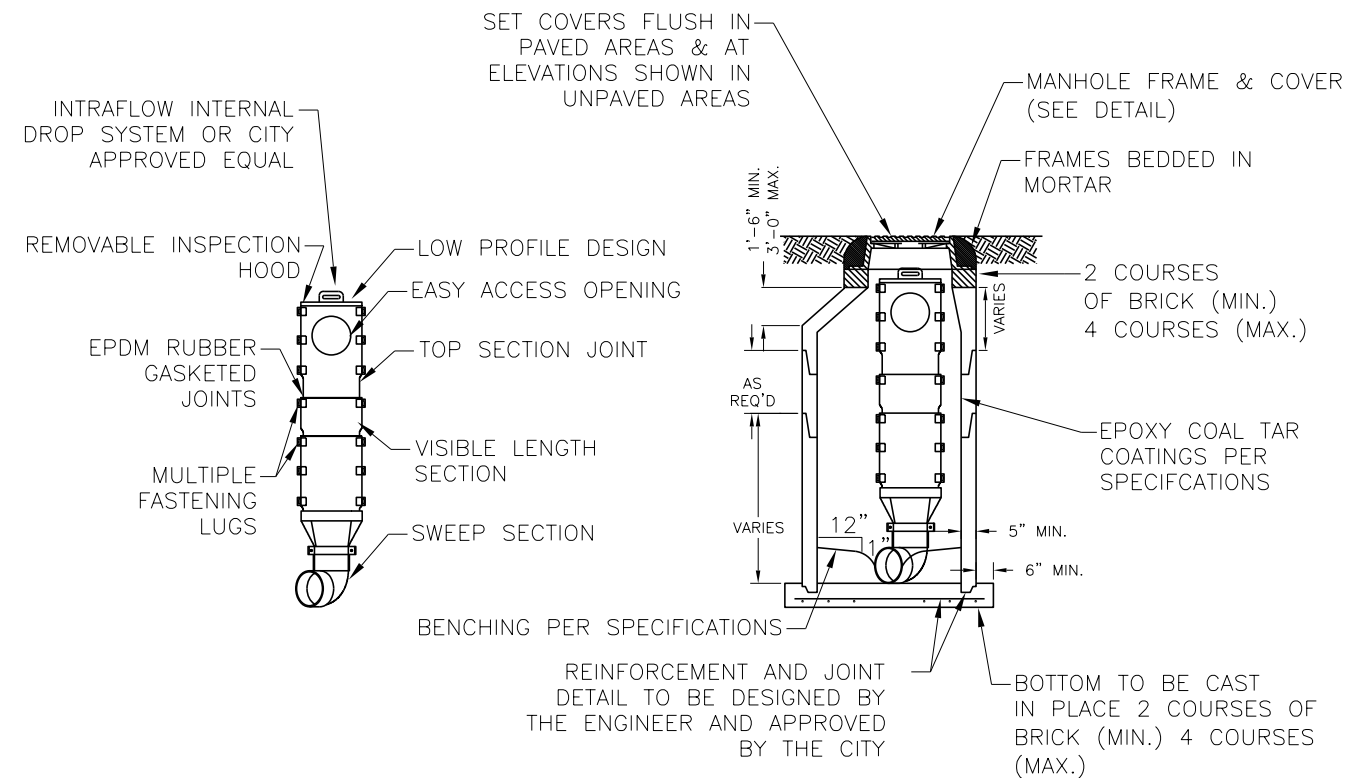
SHEET
NO.
112



NOTES:

- 1.) MANHOLE SHOWN IS FOR SEWER SIZE 8" THRU 18", MANHOLE DIAMETER FOR SEWERS GREATER THAN 18" SHALL BE AS APPROVED BY CITY.
- 2.) DROP CONNECTIONS ARE REQUIRED WHENEVER INVERT OF INFLUENT SEWER IS 24" OR MORE ABOVE THE INVERT OF THE MANHOLE. SEE MANHOLE CONNECTION DETAILS.
- 3.) APPROVED CONCENTRIC CONE DESIGN MAY BE USED AS AN ALTERNATIVE.
- 4.) MANHOLE LIFT HOLES AND GRADE ADJUSTMENT RINGS SHALL BE SEALED W/ NON-SHRINK MORTAR.

DOGHOUSE MANHOLE DETAIL
N.T.S



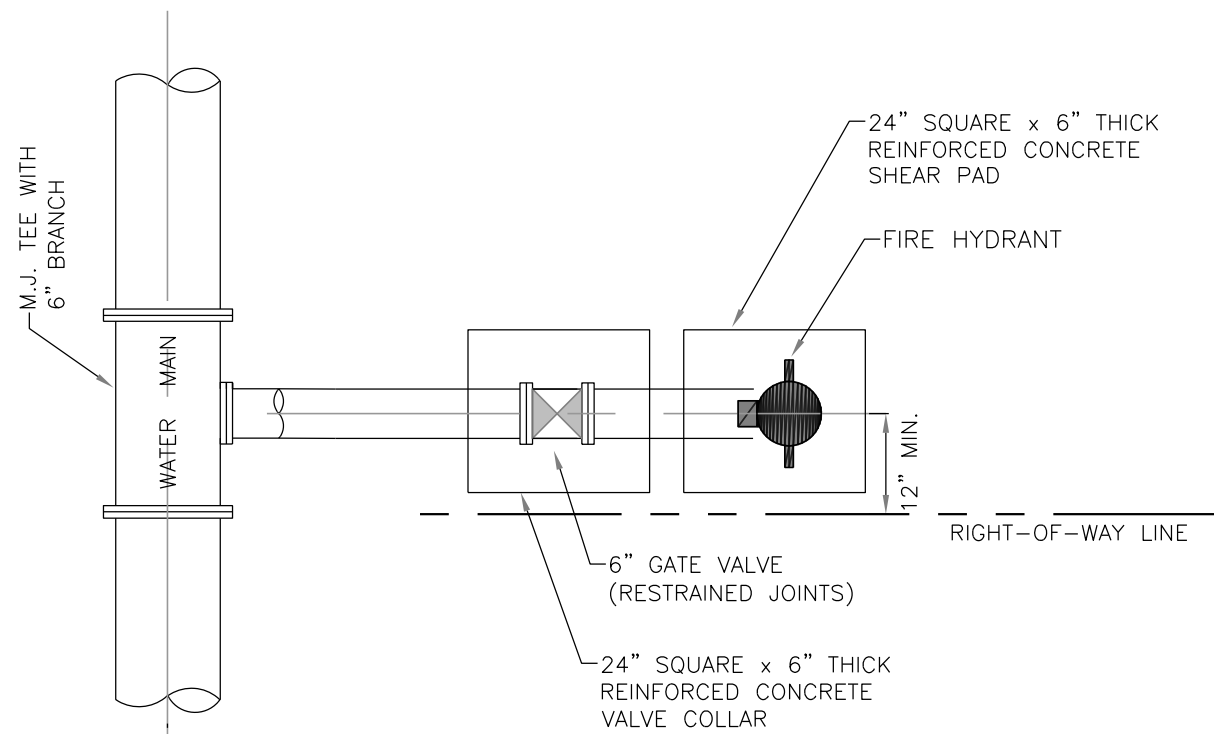
NOTES:

1. MANHOLE SHOWN IS FOR SEWER SIZE 8" THRU 18", MANHOLE DIAMETER FOR SEWERS GREATER THAN 18" SHALL BE AS APPROVED BY CITY.
2. DROP CONNECTIONS ARE REQUIRED WHENEVER INVERT OF INFLUENT SEWER IS 24" OR MORE ABOVE THE INVERT OF THE MANHOLE. SEE MANHOLE CONNECTION DETAILS.
3. APPROVED CONCENTRIC CONE DESIGN MAY BE USED AS AN ALTERNATIVE.
4. MANHOLE LIFT HOLES AND GRADE ADJUSTMENT RINGS SHALL BE SEALED W/ NON-SHRINK MORTAR.

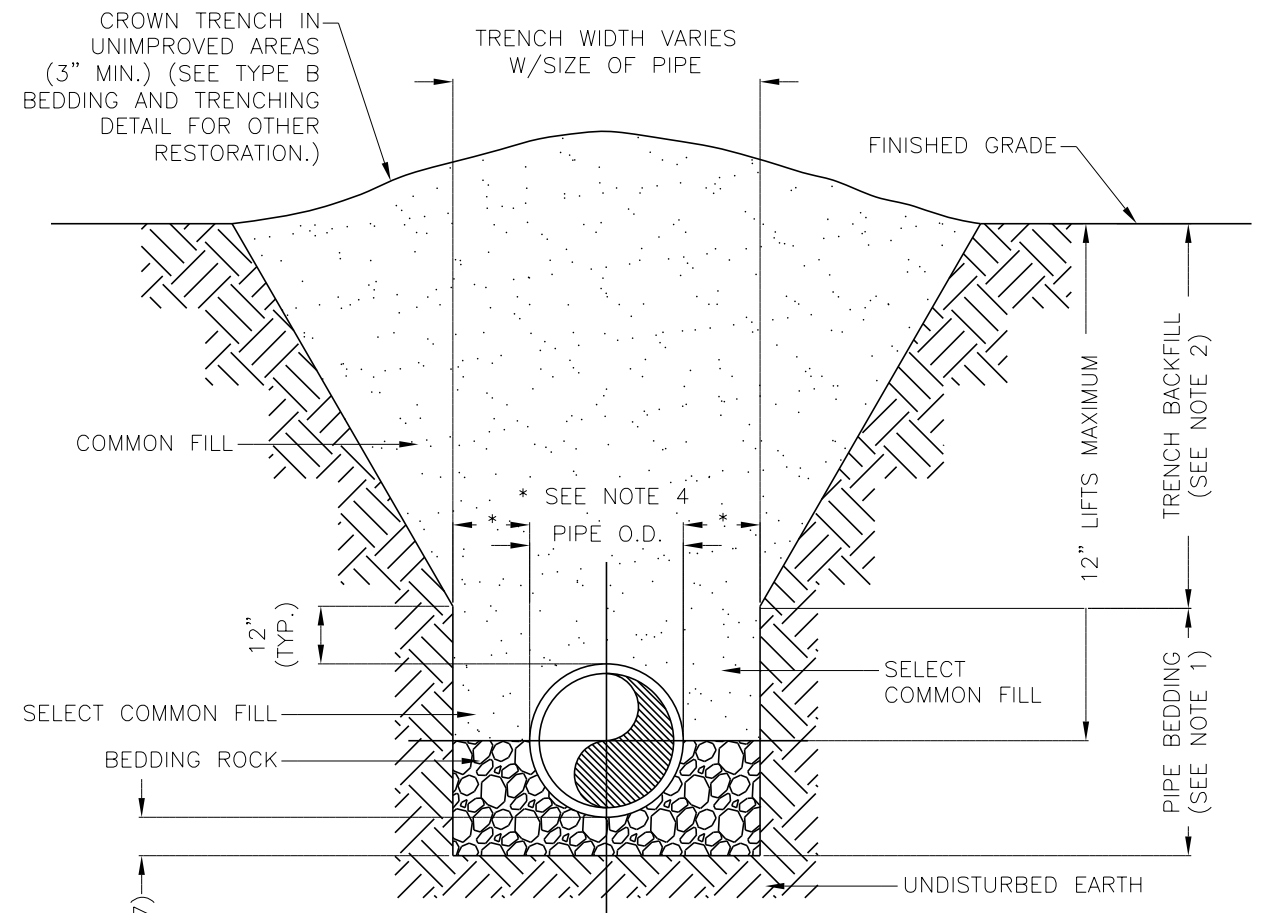
THE INTRAFLOW INTERNAL DROP SYSTEM SHALL BE A ROTATIONAL MOLDED; SECTIONAL ENCLOSURE MADE OF POLYETHYLENE (PE). THE INSIDE DROP ASSEMBLY SHALL CONTAIN, AND DIRECT SEWAGE FLOW FROM THE UPPER PORTION OF THE MANHOLE TO THE INVERT CHANNEL. THE SECTIONS SHALL BE OF LOW PROFILE DESIGN WITH MOLDED FASTENING LUGS CONFORMING TO THE INSIDE MANHOLE WALL. THE INTERMEDIATE SECTIONS SHALL BE SUPPLIED IN THREE AND FOUR FOOT SECTIONS. THE TOP SECTION SHALL HAVE A 9" ADJUSTMENT JOINT AT THE BOTTOM AND REMOVABLE INSPECTION HOOD AT THE TOP. THE INSIDE OF THE TOP SECTION SHALL HAVE AN OPENING FOR 4" THROUGH 12" PIPE ENTRY. THE OUTSIDE OF THE TOP SECTION SHALL HAVE A NOMINAL 13" INSPECTION / CLEANOUT OPENING. THE BOTTOM SECTION SHALL BE ELONGATED AT THE TOP WITH A TRANSITION TO A 10" ROUND PIPE AT THE BOTTOM. A 90° 10" PVC SWEEP SHALL ATTACH TO THE BOTTOM TRANSITION SECTION. SECTIONS SHALL BE SECURED TO THE MANHOLE WALL THROUGH THE FASTENING LUGS USING TYPE 302 OR 304 STAINLESS STEEL ANCHOR BOLT ASSEMBLIES.

DROP MANHOLE DETAIL
N.T.S

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | UTILITY ADJUSTMENT DETAILS (03) | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|------------------------------------|----------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | | N/A | BAY | | 441742-2-58-01 |



TYPICAL FIRE HYDRANT ASSEMBLY DETAIL
N.T.S



NOTES:

- 1.) PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
- 2.) TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
- 3.) USE TYPE A BEDDING TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CITY.
- 4.) (*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
- 5.) ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
- 6.) GRAVITY SEWERS SHALL UTILIZE TYPE A BEDDING, IF REQUIRED BY THE CITY. BEDDING DEPTH SHALL BE 4" MINIMUM FOR PIPE DIAMETER LESS THAN 15", AND 6" MINIMUM PIPE DIAMETER 16" AND LARGER.
- 7.) DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL GOVERN DEPTH OF BEDDING ROCK BELOW THE PIPE. CITY SHALL DETERMINE IN THE FIELD REQUIRED REMOVAL OF UNSUITABLE MATERIAL TO REACH SUITABLE FOUNDATION.

TRENCH DETAIL - TYPE A BEDDING
N.T.S

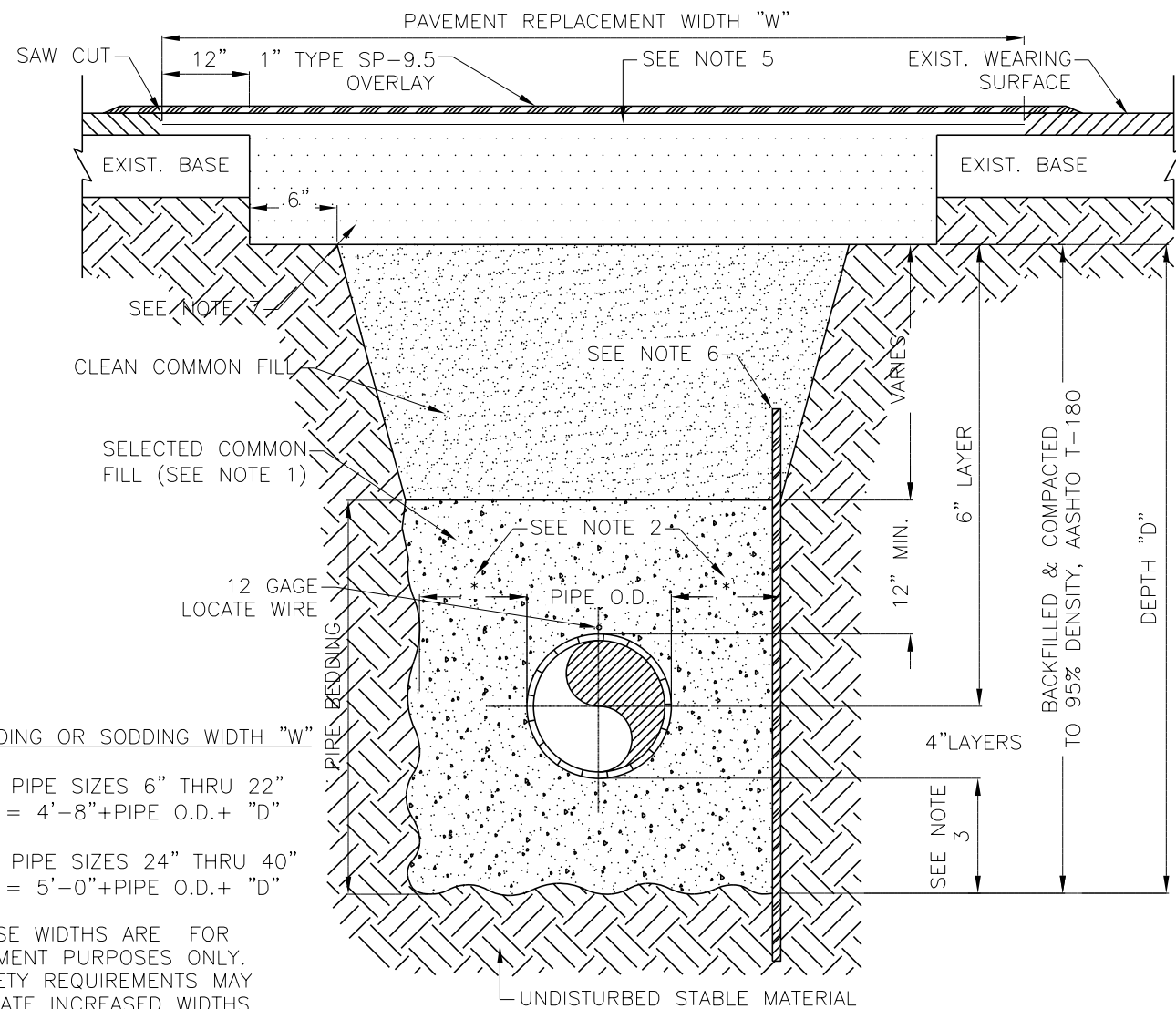
| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

RICKY L. DODD, P.E.
P.E. LICENSE NUMBER 88526
GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DR.
CHIPLEY, FL 32428

| | | |
|--|--------|----------------------|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

UTILITY ADJUSTMENT
DETAILS (04)

SHEET NO.
114



SEEDING OR SODDING WIDTH "W"

FOR PIPE SIZES 6" THRU 22"
 "W" = 4'-8" + PIPE O.D. + "D"

FOR PIPE SIZES 24" THRU 40"
 "W" = 5'-0" + PIPE O.D. + "D"

THESE WIDTHS ARE FOR
 PAYMENT PURPOSES ONLY.
 SAFETY REQUIREMENTS MAY
 DICTATE INCREASED WIDTHS.

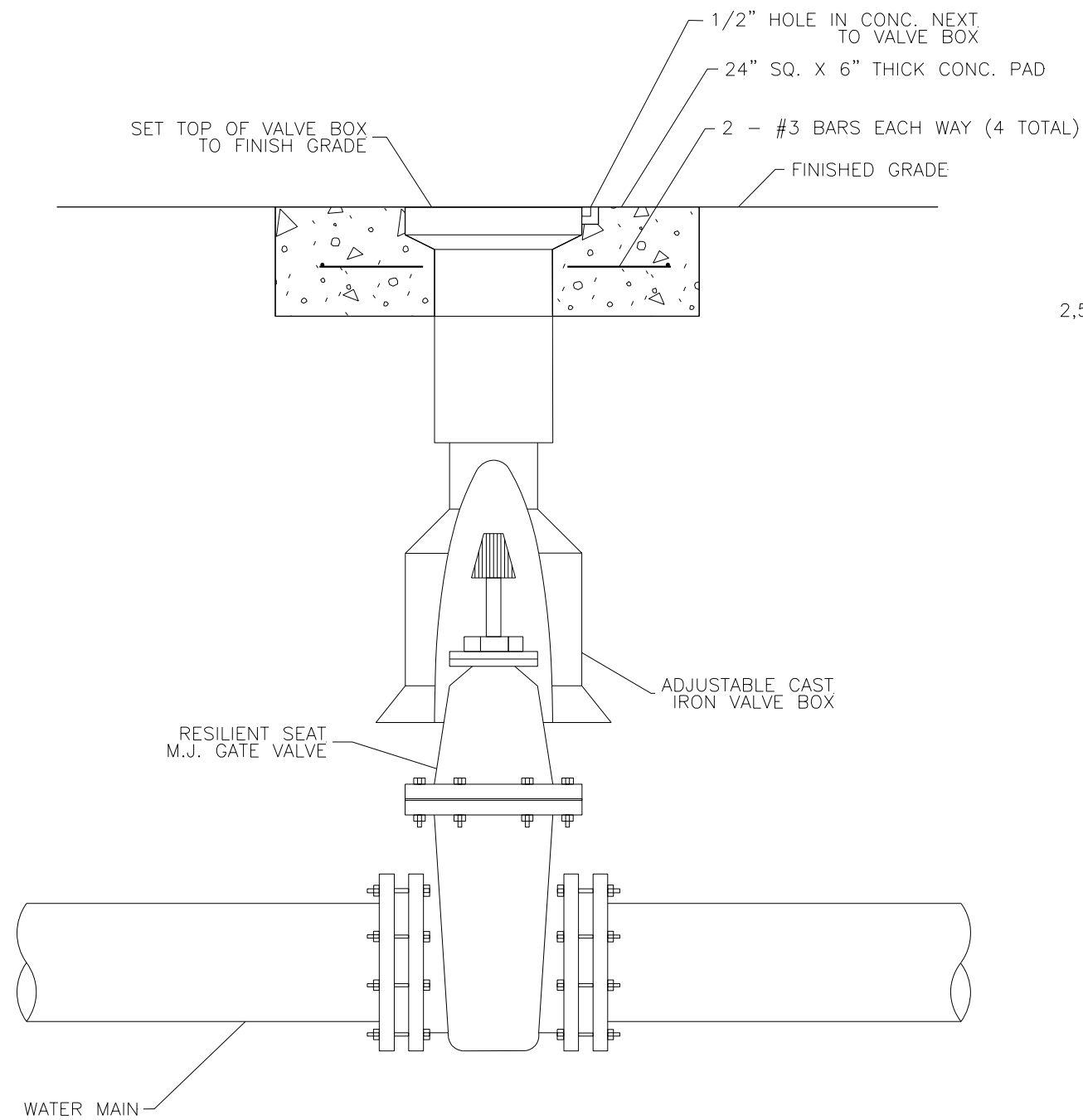
NOTES:

- 1.) USE OF TYPE A-2 AND A-3 PIPE BEDDING TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 2.) 10" MAX. FOR PIPE DIAMETERS LESS THAN 24"; 12" MAX. FOR PIPE DIAMETER 24" AND LESS THAN 42"; 24" MAX. FOR PIPE DIAMETER 42" AND OVER.
- 3.) 4" MAX. FOR PIPE 16" DIAMETER & LESS; 6" MAX. FOR PIPE 18" TO 36" DIAMETER; AND 9" MAX. FOR PIPE 42" DIAMETER AND LARGER.
- 4.) INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
- 5.) WEARING SURFACE TO BE SAME TYPE & THICKNESS (1-1/2" MIN.) AS EXISTING PAVEMENT.
- 6.) SHEETING ORDERED LEFT IN PLACE TO BE CUT OFF 24" BELOW FINISHED GRADE OR 12" BELOW SUBGRADE.
- 7.) BASE SHALL BE 8" MINIMUM THICKNESS LIMEROCK OR CRUSHED CONCRETE BASE, OR APPROVED EQUAL.
- 8.) BACKFILL AASHTO M-145 SHALL BE PLACED IN LAYERS NOT TO EXCEED 6 INCHES. EACH LAYER SHALL BE THOROUGHLY TAMPED AND/OR ROLLED TO 95% AASHTO T-180 DENSITY.
- 9.) TEMPORARY PATCHES WILL BE INSTALLED TO PROVIDE A SMOOTH ALL WEATHER SURFACE AT ALL TIMES. PERMANENT REPLACEMENT TO BE MADE AS SOON AS POSSIBLE.
- 10.) NOTES 5.) THRU 9.) ARE MINIMUM REQUIREMENTS. REFER TO F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS FOR ADDITIONAL REQUIREMENTS.

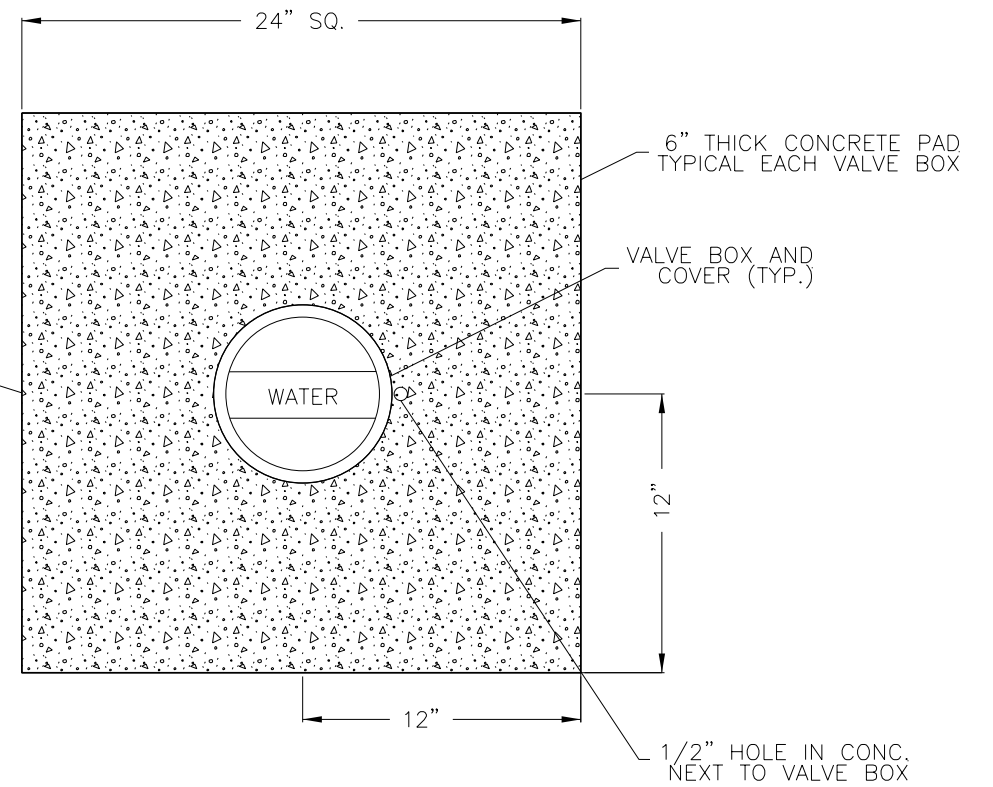
TRENCH DETAIL – ASPH. PAVEMENT SURFACE TYPE A-1 PIPE BEDDING

N.T.S

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | UTILITY ADJUSTMENT DETAILS (05) | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|------------------------------------|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | 115 |



2,500 P.S.I. CONCRETE MIN.

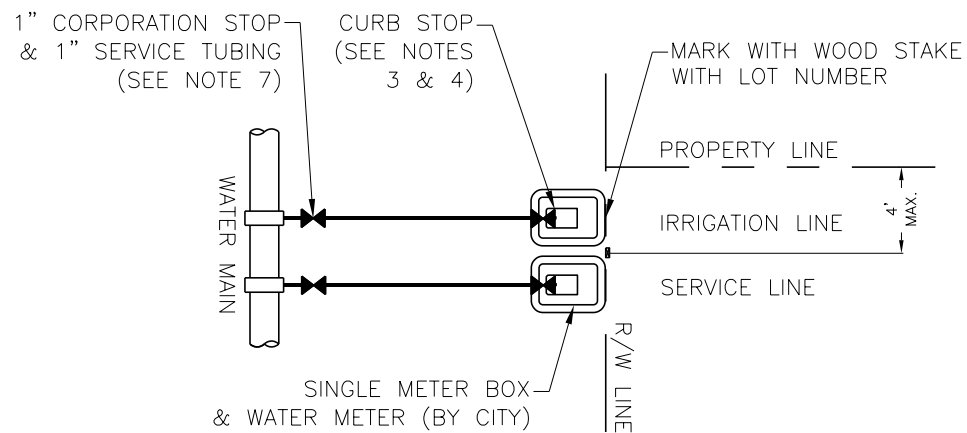


NOTES:

- 1.) THE ACTUATING NOT FOR DEEPER VALVES SHALL BE EXTENDED TO COME UP TO 4 FOOT DEPTH BELOW FINISHED GRADE.

WATER GATE VALVE & BOX DETAIL
N.T.S

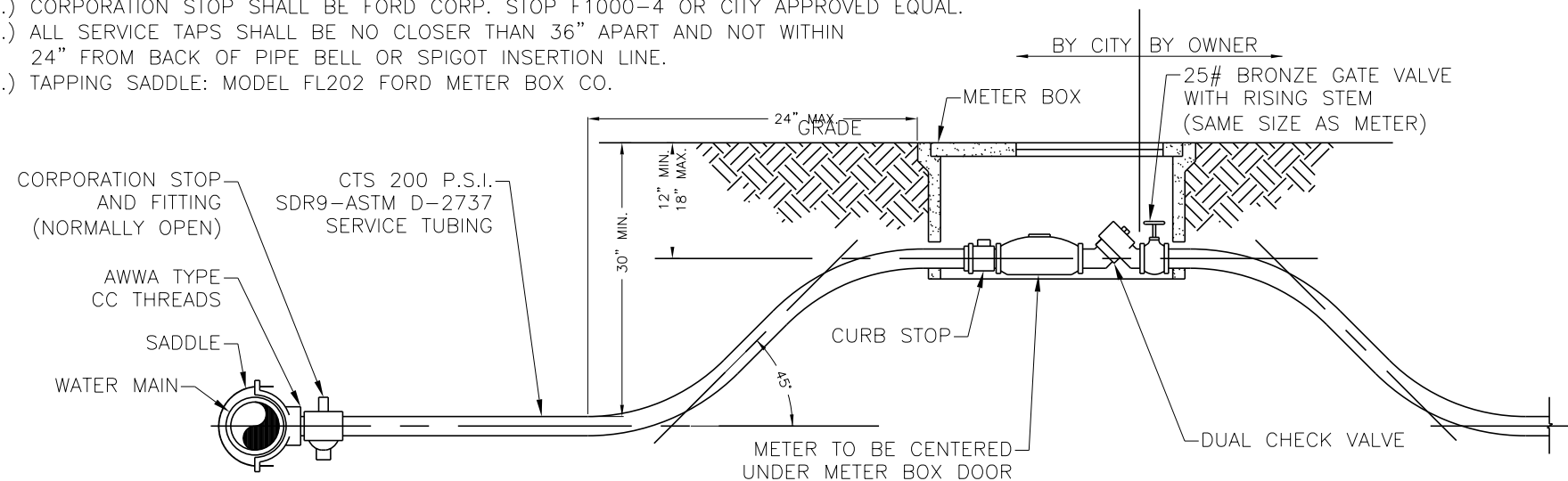
| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | UTILITY ADJUSTMENT DETAILS (06) | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|------------------------------------|----------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | | N/A | BAY | | 441742-2-58-01 |



TYPICAL CITY SERVICE WITHOUT REUSE
(PER. LOT)

NOTES:

- 1.) ALL FITTINGS SHALL BE BRASS WITH COMPRESSION/PACK JOINT TYPE CONNECTIONS.
- 2.) NO SERVICE LINE SHALL TERMINATE UNDER A DRIVEWAY.
- 3.) EACH SERVICE SHALL TERMINATE AT A CURB STOP WHICH SHALL BE FASTENED TO A 1" x 4" x 30" STAKE PAINTED WHITE AND MARKED WITH THE NUMBER OF THE LOT TO BE SERVED.
- 4.) CURB STOP SHALL BE A FORD BALL METER VALVE B43-342WG, B43-444WG OR CITY APPROVED EQUAL.
- 5.) ALL SERVICE TAPS TO BE LOCATED IN FIELD. TAPS SHALL BE NO CLOSER THAN AND WILL NOT BE SET IN DRAINAGE SWALES, EASEMENTS OR SIDEWALKS.
- 6.) METER BOXES & YOKE ARE TO BE INSTALLED BY THE INFRASTRUCTURE CONTRACTOR AND WILL NOT BE SET IN DRAINAGE SWALES, EASEMENTS OR SIDEWALKS.
- 7.) CORPORATION STOP SHALL BE FORD CORP. STOP F1000-4 OR CITY APPROVED EQUAL.
- 8.) ALL SERVICE TAPS SHALL BE NO CLOSER THAN 36" APART AND NOT WITHIN 24" FROM BACK OF PIPE BELL OR SPIGOT INSERTION LINE.
- 9.) TAPPING SADDLE: MODEL FL202 FORD METER BOX CO.

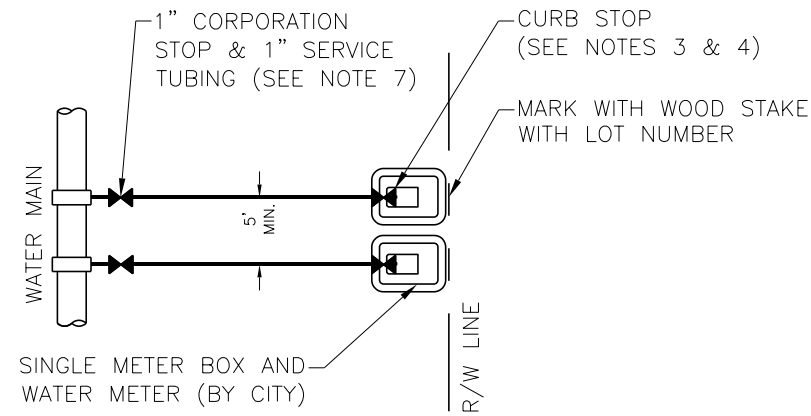


3/4" & 1" WATER METER ASSEMBLY DETAIL

N.T.S

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | UTILITY ADJUSTMENT DETAILS (07) | SHEET NO. 117 |
|-----------|-------------|------|-------------|--|--|--------|----------------------|------------------------------------|-------------------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | |

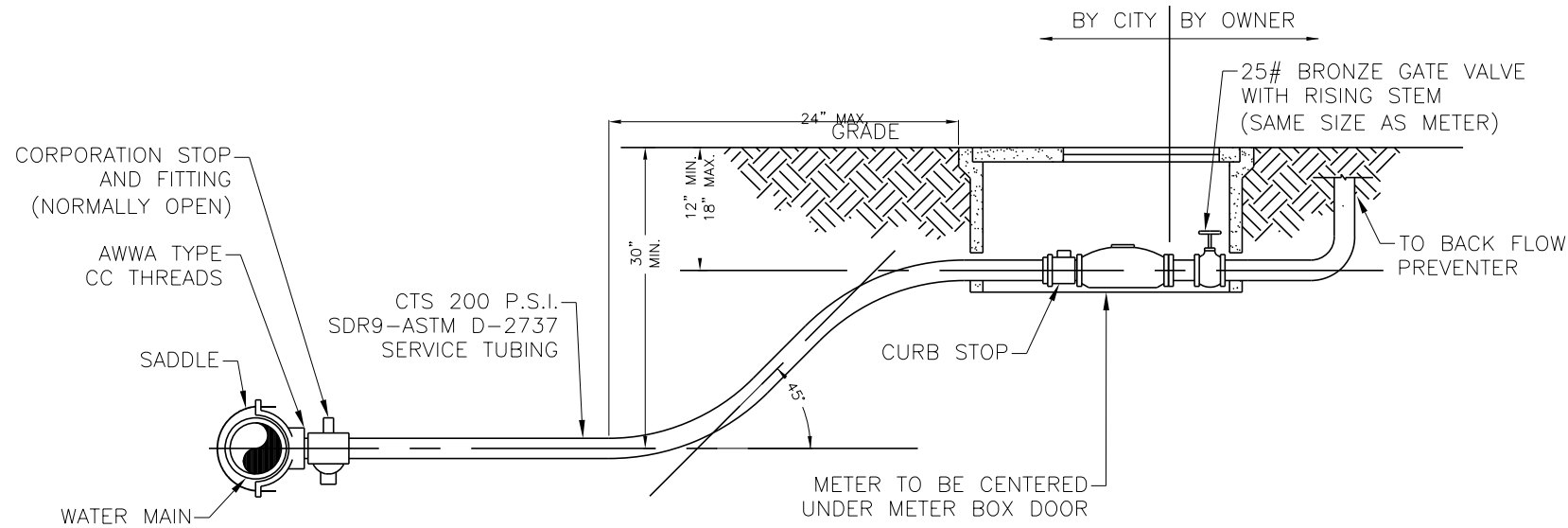
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



TYPICAL CITY SERVICE
(PER. LOT)

NOTES:

- 1.) ALL FITTINGS SHALL BE BRASS WITH COMPRESSION/PACK JOINT TYPE CONNECTIONS.
- 2.) NO SERVICE LINE SHALL TERMINATE UNDER A DRIVEWAY.
- 3.) EACH SERVICE SHALL TERMINATE AT A CURB STOP WHICH SHALL BE FASTENED TO A 1"x4"x30" STAKE PAINTED WHITE AND MARKED WITH THE NUMBER OF THE LOT TO BE SERVED.
- 4.) CURB STOP SHALL BE A FORD BALL METER VALVE B43-344WG OR CITY APPROVED EQUAL.
- 5.) ALL SERVICE TAPS TO BE LOCATED IN FIELD. TAPS SHALL BE NO CLOSER THAN 3'-0" INTERVALS OR WITHIN 2'-0" FROM BELL OR SPIGOT ENDS.
- 6.) METER BOXES & YOKE ARE TO BE INSTALLED BY THE INFRASTRUCTURE CONTRACTOR AND WILL NOT BE SET IN DRAINAGE SWALES, EASEMENTS OR SIDEWALKS. AND WILL NOT BE SET IN DRAINAGE SWALES, EASEMENTS OR SIDEWALKS.
- 7.) CORPORATION STOP SHALL BE FORD CORP. STOP F1000-4 OR CITY APPROVED EQUAL.



1" WATER METER ASSEMBLY DETAIL (COMMERCIAL USE)
N.T.S

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | UTILITY ADJUSTMENT DETAILS (08) | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|------------------------------------|----------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | | N/A | BAY | | 441742-2-58-01 |

REQUIRED LENGTH OF RESTRAINED JOINT PIPE FOR P.V.C. PIPE

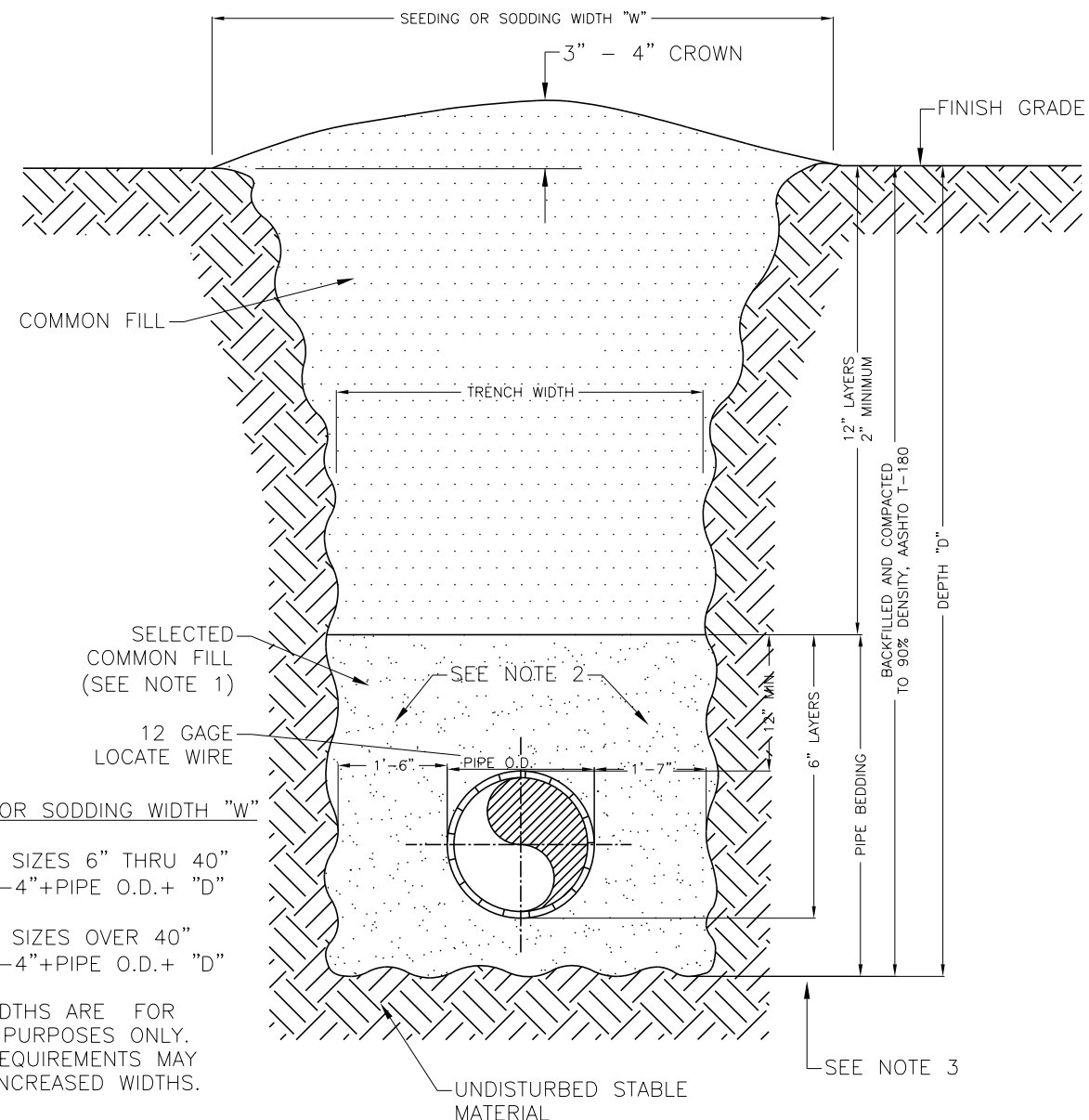
| MAIN PIPE SIZE | HORIZ. BENDS | | | *TEES | | | | | REDUCERS | | | PLUGS |
|----------------|--------------|-----|-------|------------|------------|-----------|----------|----------|-----------|------------|------------|-------|
| | 90° | 45° | 22.5° | SIZE | | | | | SIZE | | | |
| | | | | LENGTH | | LENGTH | | LENGTH | | LENGTH | | |
| 36 | 106 | 44 | 21 | X36 163 | X30 102 | X24 39 | X20 1 | X16 1 | X30 78 | X24 141 | X20 175 | 257 |
| 30 | 93 | 39 | 19 | X30 132 | X24 68 | X20 22 | X16 1 | X12 1 | X24 78 | X20 121 | X16 156 | 222 |
| 24 | 79 | 33 | 16 | X24 99 | X20 53 | X16 3 | X12 1 | X10 1 | X20 56 | X16 101 | X12 137 | 185 |
| 20 | 68 | 29 | 14 | X20 75 | X16 26 | X12 1 | X10 1 | X8 1 | X16 56 | X12 100 | X10 117 | 159 |
| 16 | 57 | 24 | 12 | X16 51 | X12 1 | X10 1 | X8 1 | | X12 56 | X10 78 | X8 96 | 131 |
| 12 | 45 | 19 | 9 | X12 25 | X10 1 | X8 1 | X6 1 | | X10 30 | X8 54 | X6 74 | 102 |
| 10 | 39 | 16 | 8 | X10 11 | X8 1 | X6 1 | | | X8 29 | X6 53 | X4 71 | 87 |
| 8 | 33 | 14 | 7 | X8 1 | X6 1 | X4 1 | | | X6 31 | X4 52 | | 72 |
| 6 | 25 | 11 | 5 | X6 1 | X4 1 | | | | X4 29 | | | 55 |
| 4 | 18 | 8 | 4 | X4 1 | | | | | | | | 39 |

NOTES:

- 1.) RESTRAIN TO NEXT FULL JOINT BEYOND GIVEN LENGTH.
- 2.) RESTRAIN 11.25° BENDS 50% OF LENGTH FOR 22.5° BENDS.
- 3.) ALL VALVES AND FITTINGS SHALL BE RESTRAINED TO THE CONNECTING SECTIONS OF PIPE.
- 4.) PIPE ADJACENT TO IN-LINE VALVES 10" AND SMALLER SHALL BE RESTRAINED FOR 20' ON EACH SIDE, INCLUDING THE VALVE-TO-PIPE CONNECTION. ALL PIPE ADJACENT TO IN-LINE VALVES 12" AND LARGER SHALL BE RESTRAINED FOR A DISTANCE 1/4 OF REQ'D PLUG (DEAD END) LENGTH ON EACH SIDE, INCLUDING THE VALVE-TO-PIPE CONNECTION.
- 5.) PIPE SIZES ARE GIVEN IN INCHES.
- 6.) PIPE LENGTHS ARE GIVEN IN FEET.
- 7.) LENGTHS SHOWN ARE FOR A TEST PRESSURE OF 150 PSI.
- 8.) RESTRAINED LENGTHS FOR TEES REPRESENTS LENGTH ON BRANCH. RESTRAINED LENGTHS FOR REDUCERS REPRESENTS LENGTH ON LARGE END OF REDUCER.
- 9.) RESTRAINED LENGTHS ARE TO BE USED FOR POTABLE WATER.
- 10.) THE RESTRAINED LENGTHS SHOWN IN THESE TABLES ARE BASED ON THE USE OF LIGHTLY COMPACTED CLEAN SAND WITH AT LEAST A 95% COARSE PARTICLE CONTENT. ACTUAL SOIL CONDITIONS MUST BE DETERMINED BY THE ENGINEER OF RECORD AND THE RESTRAINED LENGTHS MODIFIED ACCORDINGLY. SAFETY FACTOR OF 1.5:1 TO BE CALCULATED WITH A "SM" SOIL TYPE AND TRENCH TYPE "3".

*MAIN TO BE RESTRAINED 20' ON EACH SIDE OF BRANCH

RESTRAINED LENGTHS FOR P.V.C. POTABLE & REUSE WATER
N.T.S



SEEDING OR SODDING WIDTH "W"

FOR PIPE SIZES 6" THRU 40"
"W" = 2'-4"+PIPE O.D.+ "D"

FOR PIPE SIZES OVER 40"
"W" = 4'-4"+PIPE O.D.+ "D"

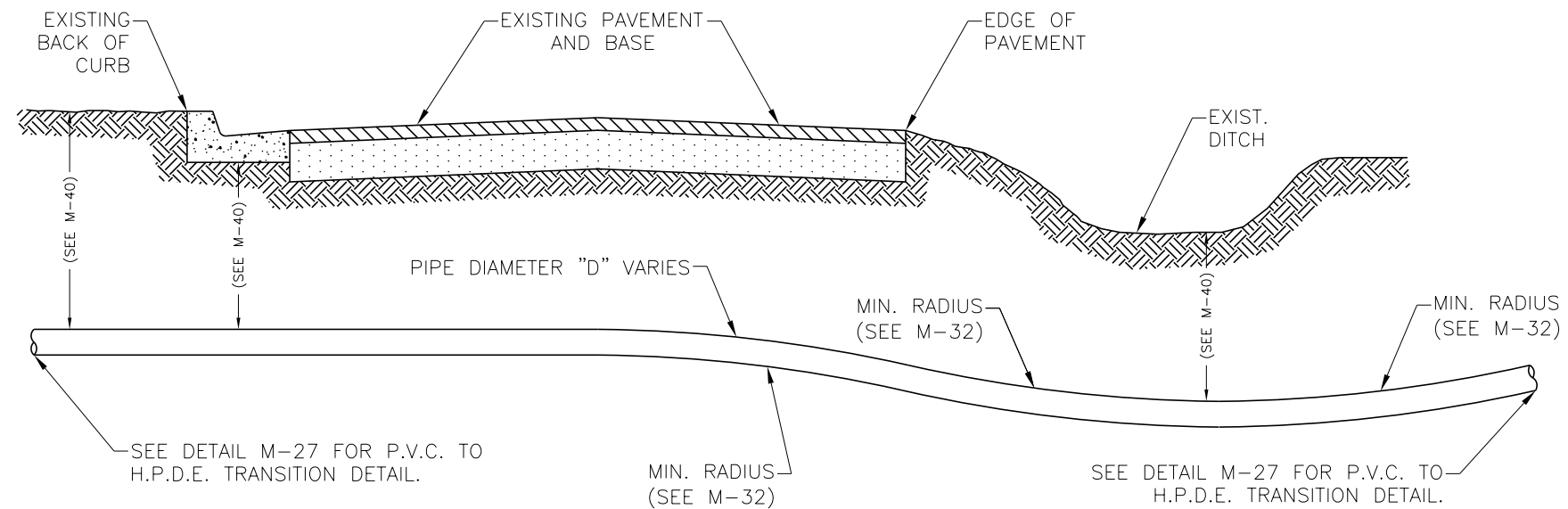
THESE WIDTHS ARE FOR PAYMENT PURPOSES ONLY. SAFETY REQUIREMENTS MAY DICTATE INCREASED WIDTHS.

NOTES:

- 1.) USE OF TYPE A-2 AND A-3 PIPE BEDDING TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 2.) 10" MAX. FOR PIPE DIAMETER LESS THAN 24"; 12" MAX. FOR PIPE 24" DIAMETER AND LESS THAN 42"; 24" MAX. FOR PIPE DIAMETER 42" AND OVER.
- 3.) 4" MAX. FOR PIPE 16" DIAMETER & LESS; 6" MAX. FOR PIPE 18" TO 36" DIAMETER; AND 9" MAX FOR PIPE 42" DIAMETER AND LARGER.
- 4.) INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

TRENCH DETAIL (UNIMPROVED SURFACE TYPE A-1 PIPE BEDDING)
N.T.S

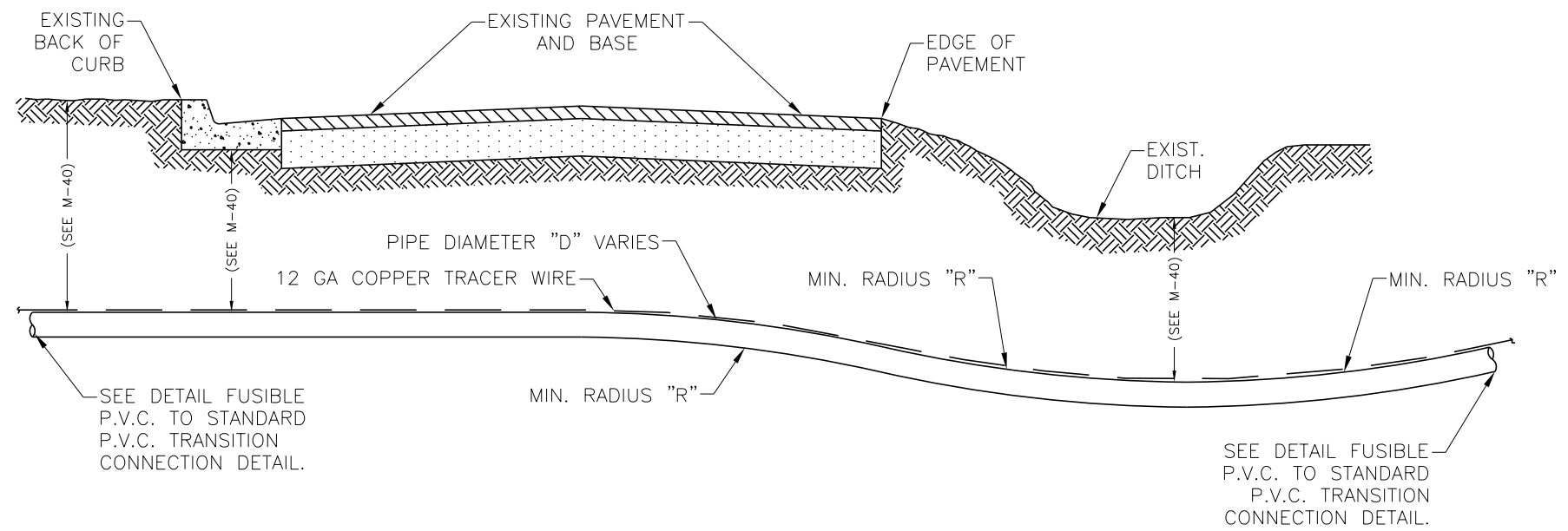
| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | UTILITY ADJUSTMENT DETAILS (09) | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|--|----------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | | N/A | BAY | | 441742-2-58-01 |



- 1.) ALL POLYETHYLENE PIPING SHALL MEET CITY OF PANAMA CITY BEACH STANDARDS AND SPECIFICATIONS
- 2.) SDR 9, CLASS 250, PE4710 RESIN HDPE FOR 1" SERVICE TUBING.
SDR-11, CLASS 200, PE4710 RESIN HDPE FOR 2" DIAMETER AND LARGER POTABLE WATER & RECLAIMED WATER.
SDR-11, CLASS 160, PE4710 RESIN HDPE FOR 2" DIAMETER AND LARGER SANITARY FORCE MAINS COLOR CODED BLUE FOR POTABLE WATER COLOR CODED PURPLE FOR RECLAIMED WATER COLOR CODED GREEN FOR SANITARY FORCE MAIN.
- 3.) THE COLOR CODING SHALL MEETING REQUIREMENTS IN ACCORDANCE WITH SUBPARAGRAPH 62-555.320 (21)(B) 3 F.A.C. AND SHALL BE CO-EXTRUDED DURING PIPE MANUFACTURING.
- 4.) ALL HDPE PIPE 2" DIAMETER AND LARGER MUST BE IPS, NO CTS IS ALLOWED. ALL 1" SERVICE TUBING SHALL BE CTS.
- 5.) ALL DIRECTIONAL BORES SHALL BE A MINIMUM OF 36 INCHES UNDER ALL ROADWAYS AND START AND TERMINATE A MINIMUM OF 6 FEET OFF THE EDGE OF PAVEMENT.
- 6.) CONTRACTOR SHALL PROVIDE A DETAILED "AS-BUILT" PROFILE OF ALL DIRECTIONAL BORE AND JACK AND BORE LOCATION OF ACTUAL PIPE ELEVATIONS AT 10 FOOT INTERVALS ON AS-BUILT PLAN SHEETS.

DIRECTIONAL BORE ROADWAY CROSSING DETAIL
N.T.S

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | UTILITY ADJUSTMENT DETAILS (10) | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|--|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | 120 |
| | | | | | N/A | BAY | 441742-2-58-01 | | |

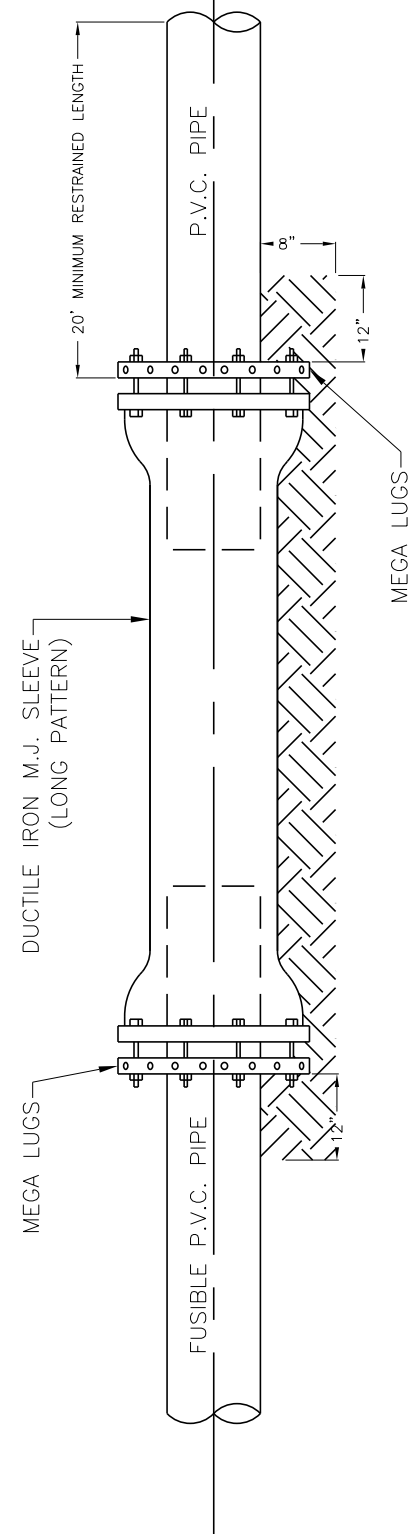


| PIPE DIAMETER "D" IN INCHES | MIN. RADIUS "R" FUSIBLE PVC FOR DR-18 |
|-----------------------------|---------------------------------------|
| 2 | XX |
| 3 | 73 |
| 4 | 100 |
| 6 | 144 |
| 8 | 189 |
| 10 | 231 |
| 12 | 275 |
| 16 | 363 |
| 18 | 406 |
| 20 | 450 |

- 1.) ALL PIPE MUST BE C900/C905.
- 2.) THE COLOR CODING SHALL MEETING REQUIREMENTS IN ACCORDANCE WITH SUBPARAGRAPH 62-555.320 (21)(B) 3 F.A.C. AND SHALL BE CO-EXTRUDED DURING PIPE MANUFACTURING.
- 3.) PIPE ROLLERS SHALL BE PROVIDED AS REQUIRED BY SPECIFICATIONS TO SUPPORT PIPE AND PROTECT PIPE FROM SCRATCHES AND GOUGES.
- 4.) ALL DIRECTIONAL BORES SHALL BE A MINIMUM OF 36 INCHES UNDER ALL ROADWAYS AND START AND TERMINATE A MINIMUM OF 6 FEET OFF THE EDGE OF PAVEMENT.
- 5.) CONTRACTOR SHALL PROVIDE A DETAILED "AS-BUILT" PROFILE OF ALL DIRECTIONAL BORE AND JACK AND BORE LOCATION OF ACTUAL PIPE ELEVATIONS AT 10 FOOT INTERVALS ON AS-BUILT PLAN SHEETS.

DIRECTIONAL BORE FUSIBLE P.V.C. MINIMUM RADIUS DETAIL
N.T.S

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | UTILITY ADJUSTMENT DETAILS (11) | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|------------------------------------|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | 121 |



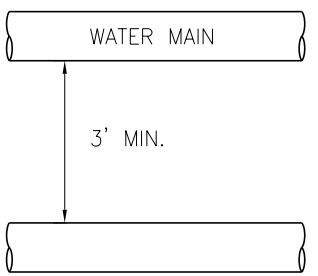
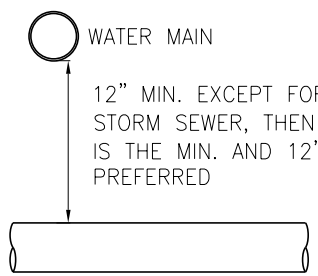
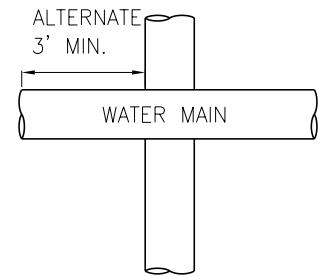
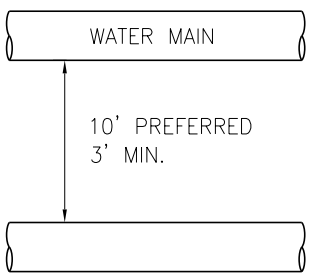
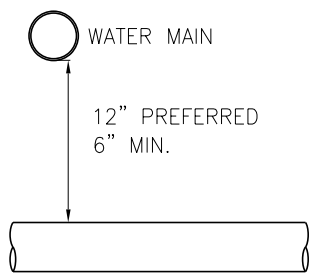
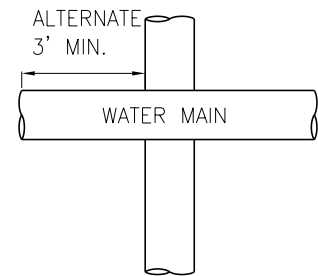
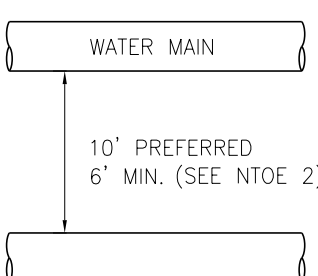
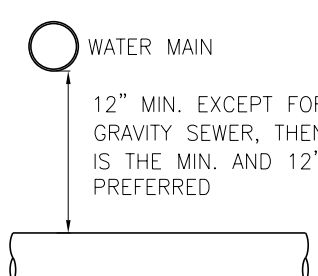
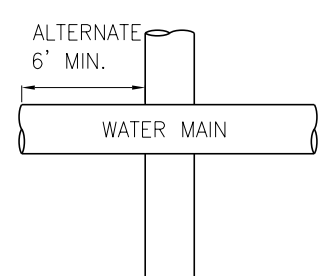
FUSIBLE P.V.C. TO STANDARD P.V.C. TRANSITION CONNECTION DETAIL
N.T.S

| MINIMUM BEND RADIUS IN FEET | | | | | |
|-----------------------------|---------------------|---------------------------|------|-----------|---------------------|
| NOMINAL DIAMETER | PVC | | FPVC | | HDPE (25 x O.D.) |
| | IPS (200 x O.D.) | C900/C905 (250 x O.D.) | IPS | C900/C905 | |
| 2 | 9 | | 40 | | 5 |
| 4 | 75 | 100 | 94 | 100 | 10 |
| 6 | 110 | 144 | 138 | 144 | 14 |
| 8 | 144 | 189 | 180 | 189 | 19 |
| 10 | 180 | 232 | 224 | 231 | 23 |
| 12 | 213 | 275 | 266 | 275 | 28 |
| 14 | - | 319 | - | 319 | 32 |
| 16 | - | 363 | - | 363 | 36 |
| 18 | - | 406 | - | 406 | 41 |
| 20 | - | 450 | - | 450 | 45 |
| 24 | - | 538 | - | 538 | 54 |
| 30 | - | - | - | 667 | 67 |
| 36 | - | - | - | 798 | 80 |

- 1.) ALL POLYETHYLENE PIPING SHALL MEET CITY OF PANAMA CITY BEACH STANDARDS AND SPECIFICATIONS
- 2.) SDR 9, CLASS 250, PE4710 RESIN HDPE FOR 1" SERVICE TUBING.
SDR-11, CLASS 200, PE4710 RESIN HDPE FOR 2" DIAMETER AND LARGER POTABLE WATER & RECLAIMED WATER.
SDR-11, CLASS 160, PE4710 RESIN HDPE FOR 2" DIAMETER AND LARGER SANITARY FORCE MAINS COLOR CODED BLUE FOR POTABLE WATER COLOR CODED PURPLE FOR RECLAIMED WATER COLOR CODED GREEN FOR SANITARY FORCE MAIN.
- 3.) THE COLOR CODING SHALL MEETING REQUIREMENTS IN ACCORDANCE WITH SUBPARAGRAPH 62-555.320 (21)(B) 3 F.A.C. AND SHALL BE CO-EXTRUDED DURING PIPE MANUFACTURING.
- 4.) ALL HDPE PIPE 2" DIAMETER AND LARGER MUST BE IPS, NO CTS IS ALLOWED. ALL 1" SERVICE TUBING SHALL BE CTS.
- 5.) ALL PVC PIPE MUST BE C900/C905.

MINIMUM PIPE BEND RADIUS TABLE
N.T.S

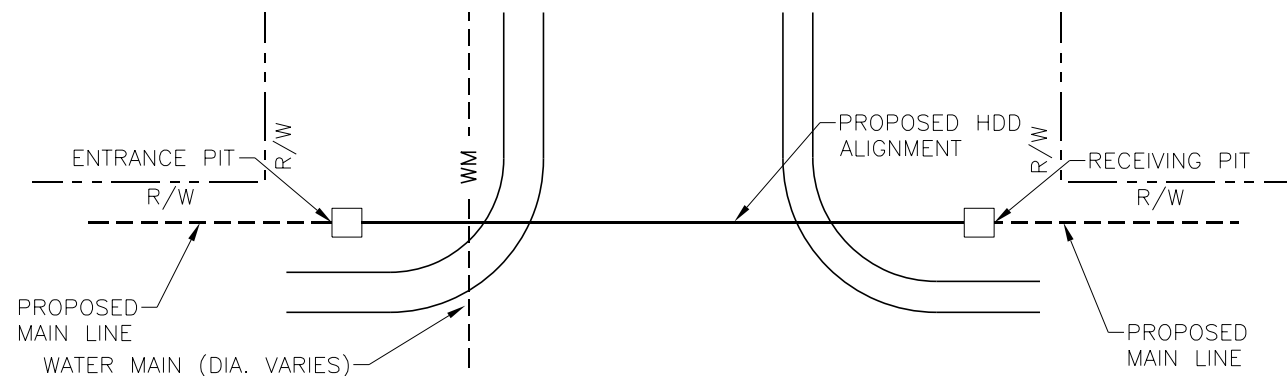
| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | UTILITY ADJUSTMENT DETAILS (12) | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|------------------------------------|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | 122 |

| OTHER PIPE | HORIZONTAL SEPARATION | CROSSINGS (SEE NTOE 1) | JOINT SPACING @ CROSSINGS (FULL JOINT CENTERED) |
|--|--|--|--|
| STORM SEWER, STORMWATER FORCE MAIN, RECLAIMED WATER |  |  |  |
| VACUUM SANITARY SEWER |  |  |  |
| GRAVITY OR PRESSURE SANITARY SEWER, SANITARY SEWER FORCE MAIN |  |  |  |
| ON - SITE SEWAGE TREATMENT & DISPOSAL SYSTEM | 10' MIN. | ----- | ----- |

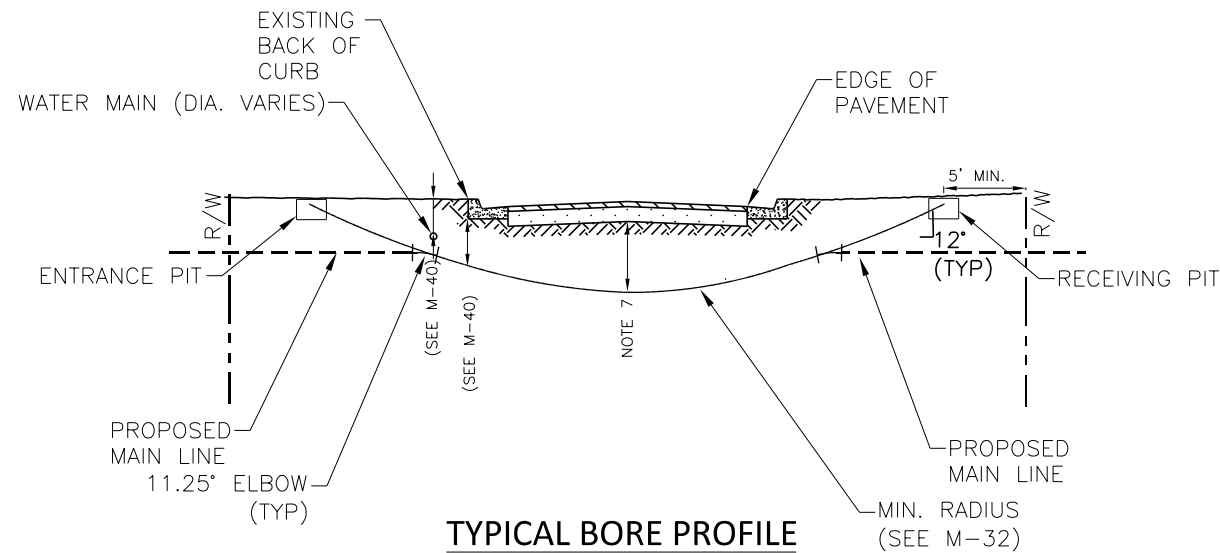
- (1) WATER MAIN SHOULD CROSS ABOVE OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MIN. SEPARATION IS 12".
- (2) 3' FOR GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6" ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.
- (3) IF REQUIRED SEPARATION CANNOT BE PROVIDED SEE DETAIL M-35B FOR REQ'D ADDITIONAL PROTECTION.

STANDARD MAIN CROSSING/SEPARATION DETAIL
N.T.S

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | UTILITY ADJUSTMENT DETAILS (13) | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|------------------------------------|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | 123 |



TYPICAL BORE PLAN



TYPICAL BORE PROFILE

NOTES:

1. ALL HDD INSTALLATION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE FLORIDA D.O.T. UTILITY ACCOMMODATIONS MANUAL.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF AFFECTED AGENCIES AND COORDINATION WITH ALL UTILITIES PRIOR TO CONSTRUCTION.
3. ALL CONSTRUCTION MATERIALS, INCLUDING DRILLING FLUID, SHALL BE REMOVED FROM THE SITE PRIOR TO RESTORATION OF DISTURBED AREAS.
4. ALL RESTORATION WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE R/W OWNER.
5. EXCAVATIONS SHALL BE RESTORED IN ACCORDANCE WITH THE REQUIREMENTS OF THE R/W OWNER.
6. ANY DEVIATION FROM THE PROPOSED BORE PLAN (ENTRY ANGLE, DEPTH, ETC.) MUST BE APPROVED BY THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION.
7. A) UP TO 12" DIAMETER PIPE, GREATER OF:
 - a) 10 X PIPE DIAMETER
 - b) 6' MINIMUM
 B) FOR PIPE OVER 12" DIAMETER, DETERMINED BY ANALYSIS.
 C) BORE PATH SHALL NOT EXCEED DESIGN BY MORE THAN 5% OF DEPTH OVER 100 FT LENGTH.

HORIZONTAL DIRECTIONAL DRILL DETAIL

N.T.S

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | UTILITY ADJUSTMENT DETAILS (14) | SHEET NO. 124 |
|-----------|-------------|------|-------------|--|--|--------|----------------------|---|-------------------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | | N/A | BAY | | 441742-2-58-01 |

MINIMUM TECHNICAL STANDARDS CHECKLIST FOR UTILITY AS-BUILTS

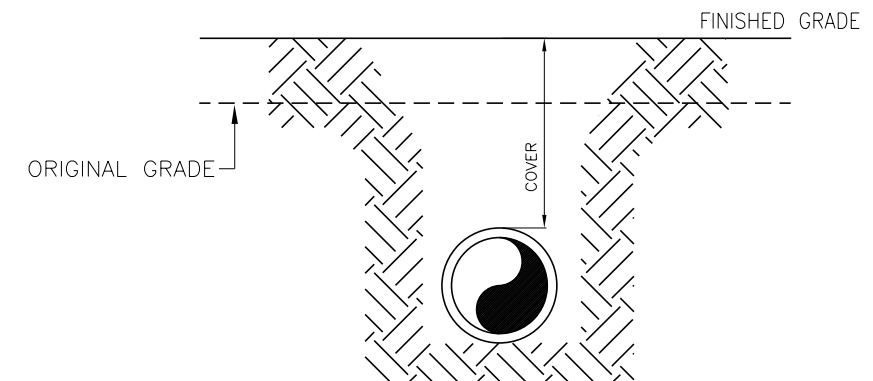
CITY OF PANAMA CITY BEACH
DATED MAY, 2012

SURVEYORS AND MAPPERS MUST MEET THE FOLLOWING MINIMUM STANDARDS OF ACCURACY, COMPLETENESS, AND QUALITY FOR THE CITY OF PANAMA CITY BEACH TO ACCEPT AS-BUILTS:

- | | |
|---|--|
| <p>1. MUST IDENTIFY THE RESPONSIBLE SURVEYOR AND MAPPER.</p> <p>2. SHALL STATE THE TYPE OF SURVEY IT DEPICTS AND THE PURPOSE OF THE SURVEY.</p> <p>3. MUST BEAR THE NAME, CERTIFICATE OF AUTHORIZATION NUMBER, AND STREET AND MAILING ADDRESS OF THE BUSINESS ENTITY ISSUING THE AS-BUILT SURVEY, ALONG WITH THE NAME AND LICENSE NUMBER OF THE SURVEYOR IN RESPONSIBLE CHARGE.</p> <p>4. MUST REFLECT A SURVEY DATE, WHICH IS THE DATE OF ACQUISITION. WHEN THE GRAPHICS OF THE AS-BUILT SURVEY ARE REVISED, BUT THE SURVEY DATE STAYS THE SAME, THE AS-BUILT SURVEY MUST LIST DATES FOR ALL REVISIONS.</p> <p>5. MUST BE SIGNED AND SEALED BY THE SURVEYOR IN RESPONSIBLE CHARGE.</p> <p>6. A DESIGNATED "NORTH ARROW" AND EITHER A STATED SCALE OR GRAPHIC SCALE SHALL BE SHOWN.</p> <p>7. APPROPRIATE LINE TYPES, LINE WEIGHTS, AND LINE WIDTHS SHALL BE USED ON THE AS-BUILT DRAWING TO DIFFERENTIATE EXISTING FROM PROPOSED AND WATER FROM SEWER, RECLAIM, AND STORM. ALL PHYSICAL ITEMS (I.E. PIPES, VALVES, ETC.), SURVEYED BOUNDARIES, AND EASEMENTS SHOULD BE CLEARLY MARKED, AND DIMENSIONED, AND IDENTIFIED BY SIZE AND MATERIAL.</p> <p>8. ALL UTILITIES IN THE PUBLIC RIGHT OF WAY AND WITHIN EASEMENTS OR TO THE END OF THE PUBLICLY OWNED PORTION OF THE UTILITY (I.E. METER AND BACKFLOW PREVENTER, CLEANOUT, ETC.) SHALL BE SHOWN WITH ASSOCIATED SIZES LABELED. THIS INCLUDES, BUT IS NOT LIMITED TO, STUB-OUTS/LATERALS, METERS, BFP'S, WATER MAINS, FORCE MAINS, GRAVITY SEWER MAINS, MANHOLES, STORM WATER PIPING AND ASSOCIATED STRUCTURES, VALVES, FIRE HYDRANTS, LIFT STATIONS, ETC. ALL PIPE LINE WORK MUST BE CONNECTED WITHIN THE SITE AS WELL AS THE CONNECTION TO EXISTING UTILITIES ADJACENT TO THE SITE (IT IS THE SURVEYOR'S RESPONSIBILITY TO COORDINATE WITH ALL CONTRACTORS FOR LOCATIONS AND SIZING). ALL UTILITY CONNECTIONS TO THE BUILDINGS MUST BE SHOWN.</p> <p>9. ALL PROPOSED UTILITY/INGRESS/EGRESS EASEMENTS MUST BE SHOWN ON THE DRAWING AND MUST HAVE THE ASSOCIATED LEGAL DESCRIPTION WRITTEN.</p> <p>10. EDGE OF PAVEMENT, ROADS (ASPHALT SHADED), CURBS, DRIVEWAY CONNECTIONS, BUILDINGS, PARKING LOTS, RIGHT-OF-WAY, AND STREET NAMES MUST BE SHOWN IN ALL APPLICATIONS. ALL ITEMS MENTIONED ABOVE MUST BE FIELD LOCATED.</p> | <p>11. IF A LIFT STATION IS TO BE DEDICATED TO THE CITY THE PLAN MUST SHOW A DETAIL SCALED AT 1"=10' SHOWING ALL IMPROVEMENTS INCLUDING: WATER AND SEWER SERVICES, MANHOLES, INVERTS, RIMS, BFP'S, YARD HYDRANTS, CONTROL PANELS, FENCING, PARCEL BOUNDARY, LEGAL DESCRIPTION OF PARCEL BOUNDARY, WET WELL, VALVE BOX, FORCE MAIN, FLOW METER (IF APPLICABLE), DRIVEWAY, GATE.</p> <p>12. PROPERTY BOUNDARY MUST BE CLEARLY LABELED AND DIMENSIONED.</p> <p>13. INVERTS, GRATES, TOPS, RIMS MUST BE SHOWN FOR ALL STORM WATER DRAINAGE STRUCTURES. INVERTS (PIPES AND CLEANOUTS) AND RIMS MUST BE SHOWN FOR ALL GRAVITY SEWER MANHOLES. SLOPES MUST BE SHOWN ON EACH RUN OF PIPE FOR REVIEW AND APPROVAL.</p> <p>14. "AS-BUILT" PROFILE OF ALL DIRECTIONAL BORES AND JACK-AND-BORES INDICATING GRADE AND PIPE ELEVATIONS AT 10 FOOT INTERVALS SHALL BE PROVIDED ON AS-BUILT PLAN SHEETS BASED ON BORE LOGS DEVELOPED BY BORING CONTRACTOR DURING INSTALLATION. PROFILES SHALL USE HORIZONTAL STATIONING WHICH TIES TO STATIONING ON PLANS. PROFILES SHALL ALSO SHOW EXISTING SURFACE ELEVATIONS AS WELL AS ANY PROPOSED SURFACE ELEVATIONS ON THE PROFILE. SURFACE PROFILES MUST SHOW ANY PAVEMENT, SIDEWALKS, DITCHES, SWALES ETC. NOTE THAT PROFILES LOCATING PIPE SOLELY BY "DEPTH BELOW EXISTING GROUND" WILL NOT BE ACCEPTED.</p> <p>15. COASTAL SETBACK LINE OR COASTAL CONSTRUCTION CONTROL LINE SHOULD BE DESIGNATED.</p> <p>16. ELEVATIONS AND LOCATION OF ANY FLOOD ZONES ALONG THE FLOOD HAZARD BOUNDARIES SHALL BE DELINEATED.</p> <p>17. NEARBY WETLANDS AND OTHER ENVIRONMENTALLY SIGNIFICANT RESOURCES CLEARLY LABELED.</p> <p>18. STORM WATER MANAGEMENT SYSTEM FEATURES INCLUDING DIMENSIONS OF : WET AND DRY SWALES, WET AND DRY PONDS, CONVEYANCE SYSTEMS, EASEMENTS, ALONG WITH ALL ASSOCIATED M.E.S. STRUCTURES AND INVERTS, OUTFALL STRUCTURES AND INVERTS, SKIMMERS, DISCHARGE STRUCTURES AND INVERTS AND SLOT ELEVATIONS, TOP OF BANK, SLOPE OF BANK AND BOTTOM OF ALL PONDS, SWALES, CLOSED AND OPEN CONVEYANCES. FOR FEMA LOMR SUBMITTALS ALSO PROVIDE: FINISHED FLOOR ELEVATIONS, SPOT ELEVATIONS AND/OR CONTOURS SHOWING LOWEST LOT ELEVATIONS.</p> <p>19. THE ENGINEER OF RECORD SHALL REVIEW AND APPROVE THE AS-BUILT PRIOR TO SUBMISSION TO THE CITY FOR FINAL APPROVAL. WRITTEN APPROVAL BY THE ENGINEER OF RECORD SHALL BE NOTED ON A TRANSMITTAL WITH A STATEMENT OF NO EXCEPTIONS TO MINIMUM STANDARDS PROVIDED HEREIN.</p> |
|---|--|

PIPE COVERAGE TABLE

| PIPE DIAMETER | REQUIRED COVER |
|---------------------|----------------|
| UP TO 12" | 36" |
| ABOVE 12" UP TO 24" | 42" |
| 30" AND ABOVE | 48" |



NOTES:

- COVER SHALL BE MEASURED WHEN FINISH GRADES ARE ESTABLISHED.
- COVER TOLERANCES ARE +6", -3", PROVIDED THE AVERAGE COVER MEETS TABLE REQUIREMENTS.

STORM WATER REQUIREMENTS FOR THE AS-BUILT SURVEYS ONLY APPLY TO PARCELS WITHIN CITY LIMITS. PLEASE SUBMIT THREE (3) HARD COPIES AND ONE (1) DIGITAL (AUTOCAD FORMAT & PDF) FOR REVIEW AND APPROVAL.

MINIMUM TECHNICAL STANDARDS FOR AS-BUILTS

N.T.S

REQUIRED PIPE COVERAGE TABLE

N.T.S

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | UTILITY ADJUSTMENT DETAILS (15) | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|------------------------------------|----------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | | N/A | BAY | | 441742-2-58-01 |

SUMMARY OF VERIFIED UTILITIES

| V _{vh} # | UTILITY DESCRIPTION (Owner, Type) | SIZE | MATERIALS | ℄ and/or ℄ | | | EXISTING GROUND ELEVATION | TOP ELEVATION | COMMENTS |
|-------------------|---------------------------------------|---------|-----------|------------|--------|-------|------------------------------|------------------|--|
| | | | | STATION | OFFSET | LT/RT | | | |
| TH-1 | CITY OF PANAMA CITY BEACH, WATER MAIN | 12-1/2" | PVC | 742+37.27 | 17.35' | LT. | 14.73' | 11.08' | WATER TABLE AT -3.15'. SIZE AND MATERIAL CONFIRMED BY OWNER. |
| TH-2 | CITY OF PANAMA CITY BEACH, WATER MAIN | 12-1/2" | PVC | 738+37.77 | 17.70' | LT. | 14.25' | 10.70' | WATER TABLE AT -2.85'. SIZE AND MATERIAL CONFIRMED BY OWNER. |
| TH-3 | CITY OF PANAMA CITY BEACH, WATER MAIN | 12-1/2" | PVC | 737+16.20 | 15.43' | LT. | 14.64' | 10.84' | WATER TABLE AT -1.50'. SIZE AND MATERIAL CONFIRMED BY OWNER. |
| TH-4 | UNKNOWN, STORM DRAIN | 22" | CONCRETE | 736+65.88 | 22.92' | LT. | 14.45' | 13.10' | WATER TABLE AT -1.00'. CLEARED OWNER'S MARKS FOR GAS MAIN AND RECLAIMED WATER MAIN TO -10.00' FOR 2.00' FOR EITHER SIDE OF MARKS. NO UTILITIES DETECTED. SUSPECT THAT BOTH GAS MAIN AND RECLAIMED WATER MAIN ARE MORE THAN -10.00' DEEP. CLEARED SSMC DESIGNATION MARKS TO -10.00' FOR 2.00' TO EITHER SIDE OF MARKS. NO UTILITY DETECTED. SUSPECT THAT BURIED ELECTRIC IS MORE THAN -10.00' DEEP. |
| TH-5 | GULF POWER, BURIED ELECTRIC | N/A | UNKNOWN | 735+52.77 | 16.71' | LT. | 14.66' | N/A | WATER TABLE AT -2.15'. PLACED TEST HOLE ON RECLAIMED WATER MAIN CROSSING. CLEARED AREA TO -10.00'. DID NOT ENCOUNTER RECLAIMED WATER MAIN. |
| TH-6 | AT&T, COMMUNICATION | 3-1/2" | UNKNOWN | 734+29.59 | 28.95' | LT. | 15.14' | 10.94' | WATER TABLE AT -1.00'. PROBES FOR RECLAIMED WATER MAIN. DID NOT ENCOUNTER RECLAIMED WATER MAIN. SUSPECT RECLAIMED IS MORE THAN 10.00' DEEP. |
| TH-7 | GULF POWER, BURIED ELECTRIC | 4" | UNKNOWN | 734+06.89 | 24.92' | LT. | 13.00' | 7.10' | |

LEGEND:
 O.D. = OUTSIDE DIAMETER TH = TEST HOLE
 PVC = POLYVINYL CHLORIDE MA = MAST ARM

| <table border="1"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> | | | | REVISIONS | | | | DATE | DESCRIPTION | DATE | DESCRIPTION | | | | | SOUTHEASTERN SURVEYING AND MAPPING CORPORATION, L.B. NO. 2108 THOMAS K. MEAD, P.S.M. NO. 5624 1130 HIGHWAY 90 CHIPLEY, FLORIDA 32428 PHONE (850) 638-0790 | | | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION <table border="1"> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> <tr> <td>N/A</td> <td>BAY</td> <td>441742-2-58-01</td> </tr> </table> | | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | N/A | BAY | 441742-2-58-01 | SUMMARY OF VERIFIED UTILITIES | | SHEET NO. 126 |
|---|-------------|----------------------|-------------|-----------|--|--|--|------|-------------|------|-------------|--|--|--|--|---|--|--|---|--|--|----------|--------|----------------------|-----|-----|----------------|----------------------------------|--|------------------|
| REVISIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DATE | DESCRIPTION | DATE | DESCRIPTION | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N/A | BAY | 441742-2-58-01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 5J-17.062, F.A.C.

| SUMMARY OF LUMP SUM ITEMS | | | | | FPID: 441742-2-58-01 |
|---------------------------|----------------------|----------|---|--------------|----------------------|
| PAY ITEM NO. | PAY ITEM DESCRIPTION | QUANTITY | | DESIGN NOTES | CONSTRUCTION REMARKS |
| | | P | F | | |
| 101-1 | MOBILIZATION | 1 | | | |
| | | | | | |
| | | | | | |

INDEX OF SUMMARY OF QUANTITIES

| SHEET NO. | SHEET DESCRIPTION |
|-------------|--|
| SQ-1 | SUMMARY OF LUMP SUM ITEMS, SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS |
| SQ-2 | SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS, SUMMARY OF PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICES |
| SQ-3 | SUMMARY OF TEMPORARY SIGNALIZATION & DETECTION |
| SQ-4 | SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES, SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS |
| SQ-5 | SUMMARY OF EARTHWORK |
| SQ-6 - SQ-7 | SUMMARY OF PAVEMENT |
| SQ-8 | SUMMARY OF WALLS, SUMMARY OF UTILITY ADJUSTMENTS, SUMMARY OF SIDE DRAIN & MITERED END SECTIONS |
| SQ-9 | SUMMARY OF MISCELLANEOUS DRAINAGE ITEMS, SUMMARY OF TRENCH DRAIN |
| SQ-10 | SUMMARY OF RAILING |
| SQ-11 | SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS |
| SQ-12 | SUMMARY OF SIDEWALK & DETECTABLE WARNINGS |
| SQ-13 | SUMMARY OF SIDEWALK & DETECTABLE WARNINGS, SUMMARY OF GUARDRAIL |
| SQ-14 | SUMMARY OF PERFORMANCE TURF |

| SUMMARY OF LUMP SUM ITEMS | | | | | FPID: 441742-2-58-02 |
|---------------------------|----------------------|----------|---|--------------|----------------------|
| PAY ITEM NO. | PAY ITEM DESCRIPTION | QUANTITY | | DESIGN NOTES | CONSTRUCTION REMARKS |
| | | P | F | | |
| 101-1 | MOBILIZATION | 1 | | | |
| | | | | | |
| | | | | | |

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

FPID: 441742-2-58-01

| PAY ITEM NO. | PAY ITEM DESCRIPTION | UNIT | PHASE I | | | PHASE II | | | PHASE III | | | TOTAL | | DESIGN NOTES | CONSTRUCTION REMARKS |
|--------------|--|------|----------|------|-------|----------|------|-------|-----------|------|-------|-------|---|--------------|----------------------|
| | | | DURATION | QTY. | TOTAL | DURATION | QTY. | TOTAL | DURATION | QTY. | TOTAL | P | F | | |
| | | | DAYS | P | P | DAYS | P | P | DAYS | P | P | P | F | | |
| 0102-1 | MAINTENANCE OF TRAFFIC | LS | - | | | - | | | - | | | 1 | | 157 DAYS | |
| 0102-60 | WORK ZONE SIGN | ED | | | | | | | | | | 4500 | | | |
| | -ADVANCED WARNING SIGNS (BEGIN & END PROJECT) - 28 SIGNS | | 90 | 28 | 2520 | | | | | | | | | | |
| | -SIDE ROADS - 3 SIGNS | | 90 | 3 | 270 | | | | | | | | | | |
| | -SIDEWALK CLOSED (ALL SIDEWALK APPROACHES) | | 90 | 10 | 900 | | | | | | | | | | |
| | -STANDARD PLANS 102-600 THRU 102-603, 102-605, & 102-660 - 9 SIGNS | | 90 | 9 | 810 | | | | | | | | | | |
| 0102-61 | BUSINESS SIGNS | EA | | | 3 | | | 3 | | | 3 | 3 | | | |
| 0102-74-1 | CHANNELIZING DEVICE, TYPES I, II, DI, VP, DRUM OR LCD | ED | 90 | 14 | 1260 | | | | | | | 1260 | | | |
| 0102-74-2 | CHANNELIZING DEVICE, TYPE III, 6' | ED | 90 | 14 | 1260 | | | | | | | 1260 | | | |
| 0102-99 | PORTABLE, CHANGEABLE MESSAGE SIGN, TEMPORARY | ED | 90 | 4 | 360 | | | | | | | 360 | | | |

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | SUMMARY OF QUANTITIES | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|-----------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

FPID: 441742-2-58-02

| PAY ITEM NO. | PAY ITEM DESCRIPTION | UNIT | PHASE I | | | PHASE II | | | PHASE III | | | TOTAL | | DESIGN NOTES | CONSTRUCTION REMARKS | |
|--------------|--|------|----------|------|--------|----------|------|--------|-----------|------|-------|-------|---|--------------|----------------------|--|
| | | | DURATION | QTY. | TOTAL | DURATION | QTY. | TOTAL | DURATION | QTY. | TOTAL | P | F | | | |
| | | | DAYS | P | P | DAYS | P | P | DAYS | P | P | | | | | |
| 0102-1 | MAINTENANCE OF TRAFFIC | LS | - | | | - | | | - | | | 1 | | 157 DAYS | | |
| 0102-14 | TRAFFIC CONTROL OFFICER | HR | | | | | | 24 | | | | 24 | | | | |
| 0102-60 | WORK ZONE SIGN | ED | | | | | | | | | | 3239 | | | | |
| | -ADVANCED WARNING SIGNS (BEGIN & END PROJECT) - 28 SIGNS | | | | | 37 | 30 | 1110 | 30 | 30 | 900 | | | | | |
| | -SIDE ROADS - 3 SIGNS | | | | | 37 | 3 | 111 | 30 | 3 | 90 | | | | | |
| | -SIDEWALK CLOSED (ALL SIDEWALK APPROACHES) | | 90 | 4 | 360 | 37 | 10 | 370 | | | | | | | | |
| | -NO TRUCKS | | | | | 37 | 1 | 30 | | | | | | | | |
| | -STANDARD PLANS 102-600 THRU 102-603, 102-605, & 102-660 | | | | | 37 | 4 | 148 | 30 | 4 | 120 | | | | | |
| 0102-61 | BUSINESS SIGNS | EA | | | 1 | | | | | | | 1 | | | | |
| 0102-74-1 | CHANNELIZING DEVICE, TYPES I, II, DI, VP, DRUM OR LCD | ED | 90 | 10 | 900 | 37 | 83 | 3071 | 30 | 83 | 2490 | 6461 | | | | |
| 0102-74-2 | CHANNELIZING DEVICE, TYPE III, 6' | ED | 90 | 35 | 3150 | | | | | | | 3150 | | | | |
| 0102-99 | PORTABLE, CHANGEABLE MESSAGE SIGN, TEMPORARY | ED | 90 | 4 | 360 | 37 | 6 | 222 | 30 | 6 | 180 | 762 | | | | |
| 0710-11-101 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6" | GM | | | 0.4504 | | | 2.0355 | | | | 2.486 | | | | |
| 0710-11-102 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 8" | GM | | | | | | 0.1530 | | | | 0.153 | | | | |
| 0710-11-123 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 12" | LF | | | 120.5 | | | 395.8 | | | | 516 | | | | |
| 0710-11-124 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 18" | LF | | | | | | 393.0 | | | | 393 | | | | |
| 0710-11-125 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 24" | LF | | | | | | 293.5 | | | | 294 | | | | |
| 0710-11-160 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGES | EA | | | | | | 6 | | | | 6 | | | | |
| 0710-11-170 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS | EA | | | 8 | | | 37 | | | | 45 | | | | |
| 0710-11-201 | PAINTED PAVEMENT MARKINGS, OTHER SURFACES, YELLOW, SOLID, 6" | GM | | | 0.5653 | | | 2.4409 | | | | 3.006 | | | | |
| 0710-11-224 | PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 18" | LF | | | 245.2 | | | 515.1 | | | | 760 | | | | |

SUMMARY OF PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICES FPID: 441742-2-58-01

| CONST. PHASE | LOCATION STA. TO STA. | | SIDE | QUANTITY | | DESIGN NOTES | CONSTRUCTION REMARKS |
|--------------|--------------------------|-----------|------|-----------|--|--------------|----------------------|
| | | | | 0102 74 7 | | | |
| | | | | LF | | | |
| | | | P | F | | | |
| PHASE II | 727+85 | | RT | 6.0 | | | |
| PHASE II | 728+60 | | RT | 6.0 | | | |
| PHASE II | 731+25 | | RT | 6.0 | | | |
| PHASE I | 734+87 | | RT | 6.0 | | | |
| PHASE I | 738+64 | | RT | 6.0 | | | |
| PHASE I | 739+32 | TO 739+57 | RT | 30.0 | | | |
| PHASE I | 742+69 | TO 742+93 | RT | 24.0 | | | |
| PHASE I | 743+54 | | RT | 6.0 | | | |
| PHASE I | 743+09 | | LT | 6.0 | | | |
| PHASE I | 743+49 | | LT | 6.0 | | | |
| PHASE I | 743+50 | | LT | 6.0 | | | |
| PHASE I | 746+06 | | RT | 6.0 | | | |
| PHASE I | 746+06 | | LT | 6.0 | | | |
| PHASE I | 746+09 | | LT | 6.0 | | | |
| PHASE I | 746+37 | | LT | 6.0 | | | |
| PHASE I | 746+72 | | LT | 6.0 | | | |
| SUB-TOTAL: | | | | 138.0 | | | |
| TOTAL: | | | | 138 | | | |

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | SHEET NO. SQ-2 |
|-----------|-------------|------|-------------|--|--|--------|----------------------|-----------------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | |
| | | | | | N/A | BAY | 441742-2-58-01 | |

SUMMARY OF QUANTITIES

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

| SUMMARY OF TEMPORARY SIGNALIZATION & DETECTION | | | | | | | | | | | | | | FPID: 441742-2-58-02 | |
|--|----------|--|-----|---|-----------|---|---|--|---|---|---------------|---|---|----------------------|----------------------|
| PHASE | DURATION | 0102104 | | | | | | 0102107 1 | | | | | | DESIGN NOTES | CONSTRUCTION REMARKS |
| | | TEMPORARY SIGNALS & MAINTENANCE OF INTERSECTION - EACH DAY | | | | | | TEMPORARY TRAFFIC DETECTION & MAINTENANCE OF INTERSECTION - EACH DAY | | | | | | | |
| | | EXISTING | | | TEMPORARY | | | EXISTING | | | TEMPORARY/NEW | | | | |
| | | DAYS | # | P | F | # | P | F | # | P | F | # | P | | |
| 1 | 90 | 2 | 180 | | | | | | | 2 | 180 | | | | |
| 2 | 37 | 2 | 74 | | | | | | | 2 | 74 | | | | |
| 3 | 30 | 2 | 60 | | | | | | | 2 | 60 | | | | |
| SUB-TOTAL | | | 314 | | | | | | | | 314 | | | | |
| | | TOTAL | | | 314 | | | TOTAL | | | 314 | | | | |

| SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES | | | | | | | | | | FPID: 441742-2-58-01 | |
|---|------|------------------|---|----------------------------|---|-------------------------|----|--------------|----------------------|----------------------|--|
| LOCATION | SIDE | SEDIMENT BARRIER | | FLOATING TURBIDITY BARRIER | | INLET PROTECTION SYSTEM | | DESIGN NOTES | CONSTRUCTION REMARKS | | |
| STA. TO STA. | | 0104-10-3 | | 0104-11 | | 0104-18 | | | | | |
| | | LF | | LF | | EA | | | | | |
| | | P | F | P | F | P | F | | | | |
| 718+35.76 | LT | | | | | | 1 | | | | |
| 719+80.00 TO 725+06.00 | LT | 529.8 | | | | | | | | | |
| 725+80.00 TO 726+70.00 | LT | 91.0 | | | | | | | | | |
| 727+56.00 TO 734+20.00 | LT | 665.4 | | | | | | | | | |
| 734+50.00 | LT | | | | | | 1 | | | | |
| 735+03.00 | LT | | | | | | 1 | | | | |
| 735+33.00 TO 736+74.72 | LT | 142.6 | | | | | | | | | |
| 736+74.72 TO 737+33.59 | LT | | | 58.8 | | | | | | | |
| 737+33.59 TO 742+78.00 | LT | 590.6 | | | | | | | | | |
| 743+61.00 TO 744+74.82 | LT | 116.0 | | | | | | | | | |
| 744+00.00 | LT | | | | | | 1 | | | | |
| 745+31.35 TO 745+95.00 | LT | 66.9 | | | | | | | | | |
| 748+80.00 | LT | | | | | | 1 | | | | |
| 749+11.39 | LT | | | | | | 1 | | | | |
| 718+80.00 TO 723+48.13 | RT | 476.1 | | | | | | | | | |
| 719+00.00 | RT | | | | | | 1 | | | | |
| 721+50.00 | RT | | | | | | 1 | | | | |
| 723+00.00 | RT | | | | | | 1 | | | | |
| 723+60.00 | RT | | | | | | 1 | | | | |
| 724+24.43 TO 727+73.00 | RT | 348.7 | | | | | | | | | |
| 724+50.00 | RT | | | | | | 1 | | | | |
| 726+00.00 | RT | | | | | | 1 | | | | |
| 728+60.00 | RT | | | | | | 1 | | | | |
| 728+73.88 TO 730+85.00 | RT | 211.1 | | | | | | | | | |
| 730+00.00 | RT | | | | | | 1 | | | | |
| 731+50.00 TO 736+61.24 | RT | 515.1 | | | | | | | | | |
| 736+61.24 TO 737+65.23 | RT | | | 107.1 | | | | | | | |
| 739+40.00 | RT | | | | | | 1 | | | | |
| 740+30.00 | RT | | | | | | 1 | | | | |
| 742+62.00 | RT | | | | | | 1 | | | | |
| 747+72.30 TO 748+89.00 | RT | 118.1 | | | | | | | | | |
| 748+10.00 | RT | | | | | | 1 | | | | |
| 748+80.00 | RT | | | | | | 1 | | | | |
| 749+02.82 | RT | | | | | | 1 | | | | |
| SUB-TOTAL: | | 3871.4 | | 165.9 | | | 20 | | | | |
| TOTAL: | | 3871 | | 166 | | | 20 | | | | |

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | SUMMARY OF QUANTITIES | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|-----------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | SQ-3 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

| SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES | | | | | | FPID: 441742-2-58-02 | |
|---|------------|------------------|---|----------------------------|---|----------------------|----------------------|
| LOCATION | SIDE | SEDIMENT BARRIER | | FLOATING TURBIDITY BARRIER | | DESIGN NOTES | CONSTRUCTION REMARKS |
| STA. TO STA. | | 0104-10-3 | | 0104-11 | | | |
| | | LF | | LF | | | |
| | | P | F | P | F | | |
| 744+74.82 TO 745+31.35 | LT | | | 56.6 | | | |
| 745+44.00 TO 745+89.00 | LT | 64.6 | | | | | |
| | SUB-TOTAL: | 64.6 | | 56.6 | | | |
| | TOTAL: | 65 | | 57 | | | |

| SUMMARY OF CLEARING AND GRUBBING AND REMOVAL ITEMS | | | | | | | | | | | FPID: 441742-2-58-01 | | |
|--|------------------------------|------------------------|------|--------|-------|-------|-------------------------------|----------|---|-------|----------------------|-------------------|----------------------|
| PAY ITEM NO. | PAY ITEM DESCRIPTION | LOCATION | SIDE | LENGTH | WIDTH | UNITS | SECONDARY UNITS (IF LUMP SUM) | QUANTITY | | TOTAL | | DESIGN NOTES | CONSTRUCTION REMARKS |
| | | STA. TO STA. | | | | | AREA (AC) | P | F | P | F | | |
| 110-1-1 | CLEARING & GRUBBING | 718+39.77 TO 749+04.66 | LT | | | LS | 0.704 | | | 1 | | 2.09 TOTAL AC | |
| | | 718+72.34 TO 748+96.42 | RT | | | | 1.388 | | | | | | |
| 110-4-10 | REMOVAL OF EXISTING CONCRETE | 730+92.27 TO 734+51.28 | LT | 359.0 | 2 | SY | | 79.8 | | 557 | | CURB AND GUTTER | |
| | | 734+99.53 TO 737+00.99 | LT | 201.5 | 2 | | | 44.8 | | | | CURB AND GUTTER | |
| | | 731+28.08 TO 736+84.46 | RT | 556.4 | 7.0 | | | 432.7 | | | | SIDEWALK AND CURB | |

| SUMMARY OF CLEARING AND GRUBBING AND REMOVAL ITEMS | | | | | | | | | | | FPID: 441742-2-58-02 | | |
|--|------------------------------|------------------------|------|--------|-------|-------|-------------------------------|----------|---|-------|----------------------|-------------------|----------------------|
| PAY ITEM NO. | PAY ITEM DESCRIPTION | LOCATION | SIDE | LENGTH | WIDTH | UNITS | SECONDARY UNITS (IF LUMP SUM) | QUANTITY | | TOTAL | | DESIGN NOTES | CONSTRUCTION REMARKS |
| | | STA. TO STA. | | | | | AREA (AC) | P | F | P | F | | |
| 110-1-1 | CLEARING & GRUBBING | 718+39.77 TO 749+04.66 | LT | | | LS | 0.704 | | | 1 | | 2.09 TOTAL AC | |
| | | 718+72.34 TO 748+96.42 | RT | | | | 1.388 | | | | | | |
| 110-4-10 | REMOVAL OF EXISTING CONCRETE | 736+92.18 TO 737+15.20 | LT | 23.0 | 0.7 | | | 1.7 | | 269 | | ENDWALL | |
| | | 744+94.27 TO 745+06.51 | LT | 12.2 | 0.8 | | | 1.1 | | | | ENDWALL | |
| | | 736+93.09 TO 737+17.72 | RT | 24.6 | 0.7 | | | 1.8 | | | | ENDWALL | |
| | | 737+28.06 TO 738+71.80 | RT | 143.7 | 5.0 | | | 79.9 | | | | SIDEWALK | |
| | | 743+44.68 TO 744+77.53 | RT | 132.9 | 5.0 | | | 73.8 | | | | SIDEWALK | |
| | | 744+94.41 TO 745+06.73 | RT | 12.3 | 0.8 | | | 1.1 | | | | ENDWALL | |
| | | 745+16.30 TO 747+02.19 | RT | 185.9 | 5.0 | | | 103.3 | | | | SIDEWALK | |
| | | 747+15.79 TO 747+23.00 | RT | 6.5 | 7.5 | | | 6.0 | | | | TRAFFIC SEPERATOR | |

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | SUMMARY OF QUANTITIES | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|-----------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

| SUMMARY OF EARTHWORK | | | | | FPID: 441742-2-58-01 | |
|----------------------|----------------------------------|-------|---|--------------|----------------------|--|
| PAY ITEM NO. | PAY ITEM DESCRIPTION | CY | | DESIGN NOTES | CONSTRUCTION REMARKS | |
| | | P | F | | | |
| 120-1 | REGULAR EXCAVATION | | | | | |
| | - GRAVITY WALL CONST. LT | 74.78 | | | | |
| | - GRAVITY WALL CONST. RT | 25.20 | | | | |
| | TOTAL REGULAR EXCAVATION = | 100.0 | | | | |
| 120-2-2 | BORROW EXCAVATION, TRUCK MEASURE | | | | | |
| | - C&G AND SIDEWALK CONST. | 45.76 | | | | |
| | SUBTOTAL = | 45.76 | | | | |
| | FILL ADJUSTMENT (20%) = | 9.15 | | | | |
| | SUBTOTAL = | 54.91 | | | | |
| | TRUCK ADJUSTMENT (25%) = | 13.73 | | | | |
| | TOTAL BORROW EXCAVATION = | 68.6 | | | | |

| SUMMARY OF EARTHWORK | | | | | FPID: 441742-2-58-02 | |
|----------------------|----------------------------------|---------|---|--------------|----------------------|--|
| PAY ITEM NO. | PAY ITEM DESCRIPTION | CY | | DESIGN NOTES | CONSTRUCTION REMARKS | |
| | | P | F | | | |
| 120-1 | REGULAR EXCAVATION | | | | | |
| | - GRAVITY WALL CONST. LT | 148.60 | | | | |
| | - GRAVITY WALL CONST. RT | 50.08 | | | | |
| | TOTAL REGULAR EXCAVATION = | 198.7 | | | | |
| 120-2-2 | BORROW EXCAVATION, TRUCK MEASURE | | | | | |
| | - PROFILE ADJUSTMENT LT | 1257.12 | | | | |
| | - PROFILE ADJUSTMENT RT | 1724.72 | | | | |
| | SUBTOTAL = | 2981.84 | | | | |
| | FILL ADJUSTMENT (20%) = | 596.37 | | | | |
| | SUBTOTAL = | 3578.21 | | | | |
| | TRUCK ADJUSTMENT (25%) = | 894.55 | | | | |
| | TOTAL BORROW EXCAVATION = | 4472.8 | | | | |
| 120-4 | SUBSOIL EXCAVATION | 442.45 | | | | |
| | TOTAL SUBSOIL EXCAVATION: | 442.5 | | | | |

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | SUMMARY OF QUANTITIES | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|-----------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | SQ-5 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF PAVEMENT

FPID: 441742-2-58-02

| PAY ITEM NO. | PAY ITEM DESCRIPTION | LOCATION | | LENGTH | WIDTH | UNIT | QUANTITY | | TOTAL | | DESIGN NOTES | CONSTRUCTION REMARKS |
|--------------|---------------------------------------|------------------------|-------------------------------------|--------|-------|------|----------|---|--------|---|--------------|----------------------|
| | | STA. TO STA. | DESCRIPTION | | | | P | F | P | F | | |
| | | | | | | | | | | | | |
| 160-4 | TYPE B STABILIZATION | 734+90.00 TO 745+90.00 | ROADWAY | 1100.0 | 39.7 | SY | 4852.2 | | 5365 | | | |
| | | 734+73.42 | CABANA SUBDIVISION ENTRANCE | 26.0 | 18.7 | | 54.0 | | | | | |
| | | 739+00.00 | LOWES TRUCK ENTRANCE | 22.0 | 63.7 | | 155.7 | | | | | |
| | | 743+25.35 | LOWES ENTRANCE | 18.0 | 65.0 | | 130.0 | | | | | |
| | | 743+27.57 | DQ ENTRANCE | 20.0 | 60.0 | | 133.3 | | | | | |
| | | 746+59.14 TO 747+02.21 | RECONSTRUCTION AREA FOR CURB RETURN | 53.7 | 5.0 | | 29.8 | | | | | |
| | | 747+35.88 TO 747+55.61 | RECONSTRUCTION AREA FOR CURB RETURN | 30.0 | 3.0 | | 10.0 | | | | | |
| 285706 | OPTIONAL BASE, BASE GROUP 06 | 734+90.00 TO 745+90.00 | ROADWAY | 1100.0 | 36.0 | SY | 4400.0 | | 4884 | | | |
| | | 734+73.42 | CABANA SUBDIVISION ENTRANCE | 26.0 | 15.0 | | 43.3 | | | | | |
| | | 739+00.00 | LOWES TRUCK ENTRANCE | 22.0 | 60.0 | | 146.7 | | | | | |
| | | 743+25.35 | LOWES ENTRANCE | 18.0 | 65.0 | | 130.0 | | | | | |
| | | 743+27.57 | DQ ENTRANCE | 20.0 | 60.0 | | 133.3 | | | | | |
| | | 746+59.14 TO 747+02.21 | RECONSTRUCTION AREA FOR CURB RETURN | 53.7 | 4.0 | | 23.9 | | | | | |
| | | 747+35.88 TO 747+55.61 | RECONSTRUCTION AREA FOR CURB RETURN | 30.0 | 2.0 | | 6.7 | | | | | |
| 327-70-5 | MILLING EXIST ASPH PAVT, 2" AVG DEPTH | 718+39.78 TO 723+00.00 | ROADWAY | 460.2 | 32.0 | SY | 1636.3 | | 12837 | | | |
| | | 719+62.38 | DRIVEWAY - LT | 14.0 | 25.0 | | 38.9 | | | | | |
| | | 748+98.60 TO 749+21.40 | ROADWAY | 22.8 | 60.0 | | 152.0 | | | | | |
| | | 723+00.00 TO 730+35.31 | ROADWAY | 735.3 | 20.0 | | 1634.0 | | | | | |
| | | 723+88.01 | DRIVEWAY - RT | 10.0 | 45.0 | | 50.0 | | | | | |
| | | 725+50.00 | DRIVEWAY - LT | 26.0 | 35.0 | | 101.1 | | | | | |
| | | 727+15.61 | DRIVEWAY - LT | 22.0 | 45.0 | | 110.0 | | | | | |
| | | 728+24.73 | DRIVEWAY - RT | 30.0 | 75.0 | | 250.0 | | | | | |
| | | 731+05.84 | DRIVEWAY - RT | 28.0 | 36.0 | | 112.0 | | | | | |
| | | 730+35.31 TO 734+90.00 | ROADWAY | 454.7 | 30.0 | | 1515.6 | | | | | |
| | | 734+90.00 TO 745+90.00 | ROADWAY | 1100.0 | 36.0 | | 4400.0 | | | | | |
| | | 734+73.42 | CABANA SUBDIVISION ENTRANCE | 26.0 | 30.0 | | 86.7 | | | | | |
| | | 743+25.35 | LOWES ENTRANCE | 18.0 | 65.0 | | 130.0 | | | | | |
| | | 743+27.57 | DQ ENTRANCE | 20.0 | 60.0 | | 133.3 | | | | | |
| | | 745+90.00 TO 748+98.60 | ROADWAY | 308.6 | 60.0 | | 2057.3 | | | | | |
| | | 746+20.00 | CVS ENTRANCE | 20.0 | 55.0 | | 122.2 | | | | | |
| | | 747+18.52 | TOM THUMB ENTRANCE | 28.0 | 50.0 | | 155.6 | | | | | |
| | | 748+98.60 TO 749+21.40 | ROADWAY | 22.8 | 60.0 | | 152.0 | | | | | |
| 334-1-52 | SP ASPH CONC, TRAFFIC B, PG76-22 | 718+39.78 TO 723+00.00 | ROADWAY | 459.7 | 32.0 | TN | 112.37 | | 4790.2 | | | |
| | | 719+62.38 | DRIVEWAY - LT | 14.0 | 25.0 | | 2.67 | | | | | |
| | | 723+00.00 TO 730+35.31 | ROADWAY | 735.3 | 20.0 | | 112.34 | | | | | |
| | | 723+88.01 | DRIVEWAY - RT | 10.0 | 45.0 | | 3.44 | | | | | |
| | | 725+50.00 | DRIVEWAY - LT | 26.0 | 35.0 | | 6.95 | | | | | |
| | | 727+15.61 | DRIVEWAY - LT | 30.0 | 45.0 | | 10.31 | | | | | |
| | | 728+24.73 | DRIVEWAY - RT | 30.0 | 75.0 | | 17.19 | | | | | |
| | | 731+05.84 | DRIVEWAY - RT | 28.0 | 38.0 | | 8.13 | | | | | |
| | | 730+35.31 TO 734+90.00 | ROADWAY | 454.7 | 30.0 | | 104.20 | | | | | |
| | | 734+73.42 | CABANA SUBDIVISION ENTRANCE | 26.0 | 70.0 | | 13.90 | | | | | |
| | | 734+90.00 TO 745+90.00 | ROADWAY | 1100.0 | 36.0 | | 302.50 | | | | | |
| | | 739+00.00 | LOWES TRUCK ENTRANCE | 22.0 | 60.0 | | 10.08 | | | | | |
| | | 743+25.35 | LOWES ENTRANCE | 18.0 | 65.0 | | 8.94 | | | | | |
| | | 743+27.57 | DQ ENTRANCE | 20.0 | 60.0 | | 9.17 | | | | | |
| | | 745+90.00 TO 748+98.60 | ROADWAY | 308.6 | 60.0 | | 141.44 | | | | | |
| | | 746+20.00 | CVS ENTRANCE | 20.0 | 55.0 | | 8.40 | | | | | |
| | | 747+18.52 | TOM THUMB ENTRANCE | 28.0 | 50.0 | | 10.69 | | | | | |
| | | 748+98.60 TO 749+21.40 | ROADWAY | 22.8 | 60.0 | | 10.45 | | | | | |

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | SUMMARY OF QUANTITIES | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|-----------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF PAVEMENT

FPID: 441742-2-58-02

| PAY ITEM NO. | PAY ITEM DESCRIPTION | LOCATION | | LENGTH | WIDTH | UNIT | QUANTITY | | TOTAL | | DESIGN NOTES | CONSTRUCTION REMARKS |
|------------------------|----------------------------------|------------------------|--------------------------------------|------------------------|---------|-------|----------|----|--------|---|--------------|----------------------|
| | | STA. TO STA. | DESCRIPTION | | | | P | F | P | F | | |
| | | | | | | | | | | | | |
| 334-1-52 | SP ASPH CONC, TRAFFIC B, PG76-22 | 723+00.00 TO 730+35.31 | ROADWAY | 735.3 | 20.0 | TN | 898.71 | | | | OVERBUILD | |
| | | 723+88.01 | DRIVEWAY - RT | 10.0 | 45.0 | | 9.63 | | | | OVERBUILD | |
| | | 725+50.00 | DRIVEWAY - LT | 26.0 | 35.0 | | 83.42 | | | | OVERBUILD | |
| | | 727+15.61 | DRIVEWAY - LT | 22.0 | 45.0 | | 48.40 | | | | OVERBUILD | |
| | | 728+24.73 | DRIVEWAY - RT | 30.0 | 75.0 | | 103.13 | | | | OVERBUILD | |
| | | 731+05.84 | DRIVEWAY - RT | 28.0 | 36.0 | | 81.62 | | | | OVERBUILD | |
| | | 730+35.31 TO 734+90.00 | ROADWAY | 454.7 | 30.0 | | 1375.44 | | | | OVERBUILD | |
| | | 734+73.42 | CABANA SUBDIVISION ENTRANCE | 26.0 | 30.0 | | 42.90 | | | | OVERBUILD | |
| | | 745+90.00 TO 748+98.60 | ROADWAY | 308.6 | 60.0 | | 1131.53 | | | | OVERBUILD | |
| | | 746+20.00 | CVS ENTRANCE | 20.0 | 55.0 | | 53.78 | | | | OVERBUILD | |
| | | 747+18.52 | TOM THUMB ENTRANCE | 28.0 | 50.0 | | 68.44 | | | | OVERBUILD | |
| | | 337-7-80 | ASPH CONC, FRICTION, FC 9.5, PG76-22 | 718+39.78 TO 723+00.00 | ROADWAY | 459.7 | 32.0 | TN | 112.37 | | 901.6 | |
| 719+62.38 | DRIVEWAY - LT | | | 14.0 | 25.0 | | 2.67 | | | | | |
| 723+00.00 TO 730+35.31 | ROADWAY | | | 735.3 | 20.0 | | 112.34 | | | | | |
| 723+88.01 | DRIVEWAY - RT | | | 10.0 | 45.0 | | 3.44 | | | | | |
| 725+50.00 | DRIVEWAY - LT | | | 26.0 | 35.0 | | 6.95 | | | | | |
| 727+15.61 | DRIVEWAY - LT | | | 30.0 | 45.0 | | 10.31 | | | | | |
| 728+24.73 | DRIVEWAY - RT | | | 30.0 | 75.0 | | 17.19 | | | | | |
| 731+05.84 | DRIVEWAY - RT | | | 28.0 | 38.0 | | 8.13 | | | | | |
| 730+35.31 TO 734+90.00 | ROADWAY | | | 454.7 | 30.0 | | 104.20 | | | | | |
| 734+73.42 | CABANA SUBDV ENTRANCE | | | 26.0 | 70.0 | | 13.90 | | | | | |
| 734+90.00 TO 745+90.00 | ROADWAY | | | 1100.0 | 36.0 | | 302.50 | | | | | |
| 739+00.00 | LOWES TRUCK ENTRANCE | | | 22.0 | 60.0 | | 10.08 | | | | | |
| 743+25.35 | LOWES ENTRANCE | | | 18.0 | 65.0 | | 8.94 | | | | | |
| 743+27.57 | DQ ENTRANCE | | | 20.0 | 60.0 | | 9.17 | | | | | |
| 745+90.00 TO 748+98.60 | ROADWAY | | | 308.6 | 60.0 | | 141.44 | | | | | |
| 746+20.00 | CVS ENTRANCE | | | 40.0 | 55.0 | | 16.81 | | | | | |
| 747+18.52 | TOM THUMB ENTRANCE | 28.0 | 50.0 | | 10.69 | | | | | | | |
| | | 748+98.60 TO 749+21.40 | ROADWAY | 22.8 | 60.0 | | 10.45 | | | | | |

| <p align="center">REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> | | | | DATE | DESCRIPTION | DATE | DESCRIPTION | | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | <p align="center">STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>N/A</td> <td>BAY</td> <td>441742-2-58-01</td> </tr> </tbody> </table> | | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | N/A | BAY | 441742-2-58-01 | <p align="center">SUMMARY OF QUANTITIES</p> | SHEET NO. SQ-7 |
|--|-------------|----------------------|-------------|------|-------------|------|-------------|--|--|--|--|--|---|--|--|----------|--------|----------------------|-----|-----|----------------|--|-------------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | | | | | | | | | | | | | | | | | | | | |
| N/A | BAY | 441742-2-58-01 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

| SUMMARY OF WALLS | | | | | | | | | | FPID: 441742-2-58-02 | |
|------------------|---|------------------------|--|------|------|----------|---|-------|---|----------------------|----------------------|
| PAY ITEM NO. | PAY ITEM DESCRIPTION | LOCATION | | SIDE | UNIT | QUANTITY | | TOTAL | | DESIGN NOTES | CONSTRUCTION REMARKS |
| | | STA. TO STA. | | | | P | F | P | F | | |
| 400-0-11 | CONCRETE CLASS NS, GRAVITY WALL (SCHEME 11) | 736+20.00 TO 736+84.53 | | LT | CY | 20.6 | | 335.4 | | | |
| | | 737+28.78 TO 738+56.17 | | RT | CY | 56.1 | | | | | |
| | | 737+28.78 TO 742+61.49 | | LT | CY | 250.4 | | | | | |
| | | 744+85.88 TO 744+94.50 | | LT | CY | 4.1 | | | | | |
| | | 745+05.50 TO 745+14.55 | | LT | CY | 4.3 | | | | | |

| SUMMARY OF UTILITY ADJUSTMENTS | | | | | | | | | | FPID: 441742-2-58-02 |
|--------------------------------|--|------------------|------|------|----------|---|-------|---|--------------|----------------------|
| PAY ITEM NO. | PAY ITEM DESCRIPTION | LOCATION STATION | SIDE | UNIT | QUANTITY | | TOTAL | | DESIGN NOTES | CONSTRUCTION REMARKS |
| | | | | | P | F | P | F | | |
| 425-6 | VALVE BOX, ADJUST | | | | | | | 5 | | |
| | | 723+59.00 | LT | EA | 1.0 | | | | | |
| | | 724+15.00 | LT | EA | 1.0 | | | | | |
| | | 742+86.00 | LT | EA | 1.0 | | | | | |
| | | 746+78.00 | LT | EA | 1.0 | | | | | |
| | | 747+65.00 | LT | EA | 1.0 | | | | | |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13"X24" COVER SIZE | | | | | | | 2 | | |
| | | 718+57.00 | LT | EA | 1.0 | | | | | |
| | | 749+19.00 | RT | EA | 1.0 | | | | | |

| SUMMARY OF SIDE DRAIN & MITERED END SECTIONS | | | | | | | | | | | FPID: 441742-2-58-01 | | | |
|--|--|------|-------|--------|-------|------------------|-------|----------|-------|---------------|----------------------|----------------------|------------------------------|--|
| LOCATION | | | | | | PIPE LENGTH - LF | | MES - EA | | MANHOLES - EA | DESIGN NOTES | CONSTRUCTION REMARKS | | |
| STA. TO STA. | | SIDE | BACK | | AHEAD | | ROUND | | ROUND | | | | | |
| | | | | OFFSET | F | OFFSET | F | 18" | | 18" | | P BOTTOM | | |
| | | | | | | | P | F | P | F | P | F | | |
| 725+06.00 TO 725+80.00 | | LT | 26.86 | 15.03 | 27.67 | 15.08 | 16.0 | | 2.0 | | | | S-6 TO S-7 (MES EXTENSIONS) | |
| 726+67.00 TO 727+58.00 | | LT | 25.15 | 14.93 | 25.92 | 14.67 | 20.0 | | 2.0 | | | | S-9 TO S-10 (MES EXTENSIONS) | |
| 731+28.08 | | RT | | | 25.73 | 14.03 | 4.0 | | | | 1 | | S-13 | |
| 731+28.08 TO 731+49.00 | | RT | 25.73 | 14.03 | 29.28 | 14.05 | 16.0 | | 1.0 | | | | S-13 TO S-13A | |
| SUB-TOTAL: | | | | | | | 56.0 | | 5.0 | | 1 | | | |
| TOTAL: | | | | | | | 56 | | 5 | | 1 | | | |

| SUMMARY OF SIDE DRAIN & MITERED END SECTIONS | | | | | | | | | | | FPID: 441742-2-58-02 |
|--|--|------|-------|--------|-------|------------------|-------|----------|-------|--------------|------------------------------|
| LOCATION | | | | | | PIPE LENGTH - LF | | MES - EA | | DESIGN NOTES | CONSTRUCTION REMARKS |
| STA. TO STA. | | SIDE | BACK | | AHEAD | | ROUND | | ROUND | | |
| | | | | OFFSET | F | OFFSET | F | 18" | | 18" | |
| | | | | | | | P | F | P | F | |
| 734+07.00 TO 736+91.00 | | LT | 26.80 | 12.75 | 14.52 | 12.20 | 280.0 | | 1.0 | | S-18 TO S-18A |
| 747+54.07 TO 747+66.00 | | RT | 47.36 | 12.15 | 47.36 | 12.25 | 8.0 | | 1.0 | | S-37 TO S-38 (MES EXTENSION) |
| SUB-TOTAL: | | | | | | | 288.0 | | 2.0 | | |
| TOTAL: | | | | | | | 288 | | 2 | | |

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | SUMMARY OF QUANTITIES | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|-----------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | SQ-8 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

| SUMMARY OF MISCELLANEOUS DRAINAGE ITEMS | | | | | | | | | | FPID: 441742-2-58-01 | |
|---|-----------------------------------|--------------|--|------|------|----------|---|-------|---|----------------------|----------------------|
| PAY ITEM NO. | PAY ITEM DESCRIPTION | LOCATION | | SIDE | UNIT | QUANTITY | | TOTAL | | DESIGN NOTES | CONSTRUCTION REMARKS |
| | | STA. TO STA. | | | | P | F | P | F | | |
| 530-3-4 | RIPRAP, RUBBLE, F&I, DITCH LINING | | | | TN | | | 6.0 | | | |
| | | 738+00.00 | | LT | | 2.0 | | | | | |
| | | 738+00.00 | | RT | | 2.0 | | | | | |
| | | 740+30.00 | | LT | | 2.0 | | | | | |

| SUMMARY OF MISCELLANEOUS DRAINAGE ITEMS | | | | | | | | | | FPID: 441742-2-58-02 | |
|---|----------------------------|--------------|--------------|------|------|----------|---|-------|---|----------------------|----------------------|
| PAY ITEM NO. | PAY ITEM DESCRIPTION | LOCATION | | SIDE | UNIT | QUANTITY | | TOTAL | | DESIGN NOTES | CONSTRUCTION REMARKS |
| | | STA. TO STA. | | | | P | F | P | F | | |
| 400-1-2 | CONCRETE CLASS 1, ENDWALLS | 736+84.53 | TO 737+29.78 | LT | CY | 15.40 | | 33.0 | | | |
| | | 736+84.53 | TO 737+28.78 | RT | CY | 15.40 | | | | | |
| | | 744+94.50 | TO 745+05.50 | LT | CY | 2.24 | | | | | |

| SUMMARY OF TRENCH DRAIN | | | | | FPID: 441742-2-58-02 | |
|-------------------------|------|--------------|-----|--------------|----------------------|--|
| LOCATION | SIDE | TRENCH DRAIN | | DESIGN NOTES | CONSTRUCTION REMARKS | |
| | | 0436 | 1 2 | | | |
| STA. TO STA. | | LF | | | | |
| | | P | F | | | |
| 742+82.00 TO 743+62.00 | LT | 80.0 | | | | |
| 745+91.00 TO 746+53.00 | LT | 62.0 | | | | |
| SUB-TOTAL: | | 142.0 | | | | |
| TOTAL: | | 142 | | | | |

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | SUMMARY OF QUANTITIES | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|-----------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | SQ-9 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

| SUMMARY OF RAILING | | | | | FPID: 441742-2-58-01 | |
|------------------------|------|---|-----|-----------------|-------------------------|--|
| LOCATION | SIDE | PIPE HANDRAIL GUIDERAIL, ALUMINUM | | DESIGN NOTES | CONSTRUCTION REMARKS | |
| | | 0515 | 1 2 | | | |
| STA. TO STA. | | LF | | | | |
| | | P | F | | | |
| 720+95.50 TO 721+04.50 | LT | 9.0 | | | | |
| 721+95.77 TO 722+04.79 | LT | 9.0 | | | | |
| 722+95.79 TO 723+04.81 | LT | 9.0 | | | | |
| 724+45.50 TO 724+54.47 | LT | 9.0 | | | | |
| 725+95.49 TO 726+04.49 | LT | 9.0 | | | | |
| 727+95.48 TO 728+04.45 | LT | 9.0 | | | | |
| 729+95.50 TO 730+04.50 | LT | 9.0 | | | | |
| 731+95.50 TO 732+04.50 | LT | 9.0 | | | | |
| 733+95.50 TO 734+04.50 | LT | 9.0 | | | | |
| 735+95.56 TO 736+04.56 | LT | 9.0 | | | | |
| 736+20.00 TO 742+61.49 | LT | 642.7 | | | | |
| 732+45.45 TO 732+54.45 | RT | 9.0 | | | | |
| 733+95.49 TO 734+04.47 | RT | 9.0 | | | | |
| 734+95.71 TO 735+04.70 | RT | 9.0 | | | | |
| 736+70.67 TO 738+56.04 | RT | 187.8 | | | | |
| 743+66.82 TO 744+04.50 | RT | 9.0 | | | | |
| 743+95.50 TO 743+75.20 | RT | 9.0 | | | | |
| 745+95.08 TO 746+04.06 | RT | 9.0 | | | | |
| 746+45.02 TO 746+54.00 | RT | 9.0 | | | | |
| SUB-TOTAL: | | 983.5 | | | | |
| TOTAL: | | 984 | | | | |

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | SUMMARY OF QUANTITIES | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|-----------------------|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | SQ-10 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS

FPID: 441742-2-58-01

| PAY ITEM NO. | PAY ITEM DESCRIPTION | LOCATION STA. TO STA. | SIDE | UNIT | QUANTITY | | | | TOTAL | | DESIGN NOTES | CONSTRUCTION REMARKS |
|--------------|-------------------------------------|--------------------------|------|------|--------------|------------|---|------------|-------|---|--------------|----------------------|
| | | | | | GROSS LENGTH | DEDUCTIONS | | NET LENGTH | | P | | |
| | | TYPE | | | | LENGTH | P | F | | | | |
| 0520-1-10 | TYPE 'F' CURB AND GUTTER (MODIFIED) | 718+53.80 TO 718+59.93 | LT | LF | 6.1 | | | 6.1 | 3217 | | CR-L | |
| | | 718+59.93 TO 719+30.97 | LT | LF | 71.1 | | | 71.1 | | | | |
| | | 719+30.97 TO 719+37.12 | LT | LF | 6.2 | | | 6.2 | | | CR-G | |
| | | 719+47.06 TO 719+51.36 | LT | LF | 8.0 | | | 8.0 | | | | |
| | | 719+71.85 TO 719+76.32 | LT | LF | 8.0 | | | 8.0 | | | | |
| | | 719+86.18 TO 719+92.29 | LT | LF | 6.2 | | | 6.2 | | | CR-G | |
| | | 719+92.29 TO 725+11.77 | LT | LF | 495.5 | | | 495.5 | | | | |
| | | 725+11.77 TO 725+16.83 | LT | LF | 6.2 | | | 6.2 | | | CR-D | |
| | | 725+24.42 TO 725+26.02 | LT | LF | 3.1 | | | 3.1 | | | | |
| | | 725+60.97 TO 725+63.15 | LT | LF | 3.1 | | | 3.1 | | | | |
| | | 725+74.27 TO 725+79.56 | LT | LF | 6.1 | | | 6.1 | | | CR-D | |
| | | 725+79.56 TO 726+77.45 | LT | LF | 82.8 | | | 82.8 | | | | |
| | | 726+77.45 TO 726+82.69 | LT | LF | 6.1 | | | 6.1 | | | CR-D | |
| | | 726+92.74 TO 726+94.76 | LT | LF | 3.1 | | | 3.1 | | | | |
| | | 727+33.85 TO 727+35.94 | LT | LF | 3.1 | | | 3.1 | | | | |
| | | 727+47.63 TO 727+52.96 | LT | LF | 6.1 | | | 6.1 | | | CR-D | |
| | | 727+52.96 TO 734+37.45 | LT | LF | 661.0 | | | 661.0 | | | | |
| | | 734+37.45 TO 734+41.75 | LT | LF | 6.2 | | | 6.2 | | | CR-D | |
| | | 734+49.13 TO 734+51.28 | LT | LF | 7.5 | | | 7.5 | | | | |
| | | 734+99.53 TO 735+05.01 | LT | LF | 9.3 | | | 9.3 | | | | |
| | | 735+17.31 TO 735+23.12 | LT | LF | 6.2 | | | 6.2 | | | CR-D | |
| | | 735+23.12 TO 742+98.34 | LT | LF | 769.0 | | | 769.0 | | | | |
| | | 731+28.08 TO 738+59.25 | RT | LF | 708.7 | | | 708.7 | | | | |
| | | 738+59.25 TO 738+64.80 | RT | LF | 6.8 | | | 6.8 | | | CR-D | |
| | | 743+53.56 TO 743+58.05 | RT | LF | 6.0 | | | 6.0 | | | CR-D | |
| | | 743+58.05 TO 746+90.67 | RT | LF | 307.6 | | | 307.6 | | | | |
| | | 746+90.67 TO 746+94.88 | RT | LF | 7.6 | | | 7.6 | | | CR-D | |

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS

FPID: 441742-2-58-02

| PAY ITEM NO. | PAY ITEM DESCRIPTION | LOCATION STA. TO STA. | SIDE | UNIT | QUANTITY | | | | TOTAL | | DESIGN NOTES | CONSTRUCTION REMARKS |
|--------------|-------------------------------------|--------------------------|------|------|--------------|------------|---|------------|-------|---|--------------|----------------------|
| | | | | | GROSS LENGTH | DEDUCTIONS | | NET LENGTH | | P | | |
| | | TYPE | | | | LENGTH | P | F | | | | |
| 0520-1-10 | TYPE 'F' CURB AND GUTTER (MODIFIED) | 743+50.00 TO 746+00.92 | LT | LF | 257.4 | | | 257.4 | 2241 | | CR-L | |
| | | 746+44.05 TO 749+04.66 | LT | LF | 253.4 | | | 253.4 | | | | |
| | | 718+72.34 TO 723+70.35 | RT | LF | 521.4 | | | 521.4 | | | | |
| | | 724+05.81 TO 727+95.44 | RT | LF | 413.7 | | | 413.7 | | | | |
| | | 728+49.68 TO 730+71.65 | RT | LF | 236.3 | | | 236.3 | | | | |
| | | 739+33.34 TO 742+92.00 | RT | LF | 375.3 | | | 375.3 | | | | |
| | | 747+35.88 TO 748+96.42 | RT | LF | 175.3 | | | 175.3 | | | CR-D | |
| 0520-5-26 | TRAFFIC SEPARATOR | 747+19.21 | RT | LF | 8.0 | | | 8.0 | | | | |

| | | | | | | | | | |
|-----------|-------------|------|-------------|--|--|--------|----------------------|-----------------------|--------------------|
| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | SUMMARY OF QUANTITIES | SHEET NO. SQ-11 |
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF SIDEWALK & DETECTABLE WARNINGS

FPID: 441742-2-58-01

| LOCATION STA. TO STA. | SIDE | AREA ID | LENGTH | WIDTH | CONC SIDEWALK 4" | | CONC SIDEWALK 6" | | DETECTABLE WARNINGS | | DESIGN NOTES | CONSTRUCTION REMARKS |
|------------------------------|------|---------|--------|-------|------------------|--|------------------|------|---------------------|------|--------------|----------------------|
| | | | | | 0522 1 | | 0522 2 | | 0527 2 | | | |
| | | | | | SY | | SY | | SF | | | |
| P | F | P | F | P | F | | | | | | | |
| 718+39.90 TO 718+59.93 | LT | | | | | | | 19.8 | | 23.6 | | CR-L |
| 718+59.93 TO 719+30.99 | LT | | 71.1 | 6.0 | 47.4 | | | | | | | |
| 719+30.99 TO 719+47.06 | LT | | | | | | 9.9 | | | 14.9 | | CR-G |
| 719+47.06 TO 719+76.32 | LT | | | | | | 9.5 | | | 14.7 | | CR-G |
| 719+76.32 TO 719+92.29 | LT | | | | | | | | | | | |
| 719+92.29 TO 720+97.00 | LT | | 104.7 | 6.0 | 69.8 | | | | | | | |
| 720+97.00 TO 721+03.00 | LT | | 94.0 | 6.0 | 62.7 | | | | | | | |
| 721+03.00 TO 722+03.00 | LT | | 94.0 | 6.0 | 62.7 | | | | | | | |
| 722+03.00 TO 722+97.00 | LT | | | | | | | | | | | |
| 722+97.00 TO 723+03.00 | LT | | 144.0 | 6.0 | 96.0 | | | | | | | |
| 723+03.00 TO 724+47.00 | LT | | 58.8 | 6.0 | 39.2 | | | | | | | |
| 724+47.00 TO 725+11.77 | LT | | | | | | | 10.2 | | 14.8 | | CR-D |
| 725+11.77 TO 725+24.45 | LT | | | | | | | 11.8 | | 19.1 | | CR-D |
| 725+24.45 TO 725+63.15 | LT | | | | | | | | | | | |
| 725+63.15 TO 725+79.56 | LT | | 17.4 | 6.0 | 11.6 | | | | | | | |
| 725+79.56 TO 725+97.00 | LT | | 74.4 | 6.0 | 49.6 | | | | | | | |
| 726+03.00 TO 726+77.45 | LT | | | | | | | 11.3 | | 19.2 | | CR-D |
| 726+77.45 TO 726+92.74 | LT | | | | | | | 11.8 | | 19.0 | | CR-D |
| 727+03.00 TO 727+35.94 | LT | | | | | | | | | | | |
| 727+35.94 TO 727+52.96 | LT | | 44.0 | 6.0 | 29.4 | | | | | | | |
| 727+52.96 TO 728+03.00 | LT | | 194.0 | 6.0 | 129.3 | | | | | | | |
| 728+03.00 TO 729+03.00 | LT | | 194.0 | 6.0 | 129.3 | | | | | | | |
| 729+03.00 TO 730+03.00 | LT | | 194.0 | 6.0 | 129.3 | | | | | | | |
| 730+03.00 TO 731+97.00 | LT | | 194.0 | 6.0 | 129.3 | | | | | | | |
| 731+97.00 TO 732+03.00 | LT | | 34.4 | 6.0 | 23.0 | | | | | | | |
| 732+03.00 TO 733+97.00 | LT | | | | | | | 11.1 | | 15.6 | | CR-D |
| 733+97.00 TO 734+03.00 | LT | | | | | | | 11.5 | | 18.8 | | CR-D |
| 734+03.00 TO 734+33.32 | LT | | | | | | | | | | | |
| 734+33.32 TO 734+49.13 | LT | | | | | | | | | | | |
| 734+49.13 TO 735+05.01 | LT | | | | | | | | | | | |
| 735+05.01 TO 735+23.12 | LT | | 73.9 | 6.0 | 49.2 | | | | | | | |
| 735+23.12 TO 735+96.99 | LT | | 194.0 | 6.0 | 129.3 | | | | | | | |
| 736+02.99 TO 737+97.00 | LT | | 224.0 | 6.0 | 149.3 | | | | | | | |
| 737+97.00 TO 738+03.03 | LT | | 266.0 | 6.0 | 177.3 | | | | | | | |
| 738+03.03 TO 740+27.00 | LT | | 12.8 | 6.0 | 8.6 | | | | | | | |
| 740+27.00 TO 740+33.00 | LT | | | | | | | | | 12.1 | | |
| 740+33.00 TO 742+98.96 | LT | | | | | | | | | 11.8 | | |
| 742+98.96 TO 743+00.00 | LT | | | | | | | | | | | |
| 743+00.00 TO 743+06.86 | LT | | | | | | | | | | | |
| 743+06.86 TO 743+47.04 | LT | | | | | | | | | | | |
| 743+47.04 TO 743+91.98 | LT | | 20.0 | 6.0 | 13.2 | | | | | | | |
| 743+91.98 TO 744+11.98 | LT | | 11.5 | 6.0 | 7.7 | | | | | | | |
| 744+11.98 TO 745+97.93 | LT | | | | | | | | | 12.6 | | |
| 745+97.93 TO 746+08.42 | LT | | | | | | | | | 12.2 | | |
| 746+08.42 TO 746+35.32 | LT | | | | | | | | | | | |
| 746+35.32 TO 746+33.57 | LT | | 11.0 | 6.0 | 7.3 | | | | | | | |
| 746+33.57 TO 746+44.21 | LT | | | | | | | | | | | |
| 746+44.21 TO 749+13.02 | LT | | 17.0 | 6.0 | 11.3 | | | | | 35.2 | | |
| 749+13.02 TO 749+30.91 | LT | | | | | | | | | | | |
| 749+30.91 TO 731+26.69 | RT | | 122.7 | 6.0 | 81.8 | | | | | 12.1 | | |
| 731+26.69 TO 732+53.00 | RT | | 144.0 | 6.0 | 96.0 | | | | | | | |
| 732+53.00 TO 733+97.00 | RT | | 94.0 | 6.0 | 62.7 | | | | | | | |
| 733+97.00 TO 734+03.00 | RT | | 294.0 | 6.0 | 196.0 | | | | | | | |
| 734+03.00 TO 735+03.00 | RT | | 57.0 | 6.0 | 38.0 | | | | | | | |
| 735+03.00 TO 738+03.00 | RT | | | | | | | 10.6 | | 13.5 | | CR-D |
| 738+03.00 TO 738+59.97 | RT | | | | | | | 10.2 | | 12.8 | | CR-D |
| 738+59.97 TO 738+73.51 | RT | | | | | | | | | | | |
| 738+73.51 TO 743+43.66 | RT | | | | | | | | | | | |
| 743+43.66 TO 743+58.05 | RT | | 7.6 | 6.0 | 5.1 | | | | | | | |
| 743+58.05 TO 743+71.22 | RT | | 25.8 | 6.0 | 17.2 | | | | | | | |
| 743+71.22 TO 743+97.00 | RT | | 193.9 | 6.0 | 129.3 | | | | | | | |
| 743+97.00 TO 744+03.00 | RT | | 44.0 | 6.0 | 29.4 | | | | | | | |
| 744+03.00 TO 745+96.89 | RT | | 37.7 | 6.0 | 25.1 | | | | | | | |
| 745+96.89 TO 746+02.98 | RT | | 9.6 | | | | | 11.1 | | 14.7 | | CR-D |
| 746+02.98 TO 746+52.99 | RT | | | | | | | | | | | |
| 746+52.99 TO 746+90.67 | RT | | | | | | | | | | | |
| 746+90.67 TO 747+00.67 | RT | | | | | | | | | | | |
| 747+00.67 TO 747+90.67 | RT | | | | | | | | | | | |
| 747+90.67 TO 748+87.11 | RT | | 34.3 | 5.0 | 19.0 | | | | | | | |
| 748+87.11 TO 749+21.40 | RT | | | | | | | | | | | |
| SUB-TOTAL: | | | | | 2132.0 | | 138.7 | | 296.7 | | | |
| TOTAL: | | | | | 2132 | | 139 | | 297 | | | |

| REVISIONS | | | |
|-----------|-------------|------|-------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION |
| | | | |

RICKY L. DODD, P.E.
P.E. LICENSE NUMBER 88526
GREENMAN-PEDERSEN, INC.
1273 OFFICE PARK DR.
CHIPLEY, FL 32428

| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | |
|--|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| N/A | BAY | 441742-2-58-01 |

SUMMARY OF QUANTITIES

SHEET NO.
SQ-12

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

| SUMMARY OF SIDEWALK & DETECTABLE WARNINGS | | | | | | | | | | FPID: 441742-2-58-02 | | |
|---|------|---------|--------|-------|------------------|---|------------------|---|---------------------|----------------------|--------------|----------------------|
| LOCATION | SIDE | AREA ID | LENGTH | WIDTH | CONC SIDEWALK 4" | | CONC SIDEWALK 6" | | DETECTABLE WARNINGS | | DESIGN NOTES | CONSTRUCTION REMARKS |
| STA. TO STA. | | | | | 0522 1 | | 0522 2 | | 0527 2 | | | |
| | | | | | SY | | SY | | SF | | | |
| | | | | | P | F | P | F | P | F | | |
| 745+80.00 TO 745+97.93 | LT | | 17.9 | 6.0 | 12.0 | | | | | | | |
| 746+44.21 TO 746+60.00 | LT | | 15.8 | 6.0 | 10.5 | | | | | | | |
| 747+40.00 TO 747+80.00 | LT | | 40.0 | 6.0 | 26.7 | | | | | | | |
| SUB-TOTAL: | | | | | 49.1 | | | | | | | |
| TOTAL: | | | | | 49 | | | | | | | |

| SUMMARY OF GUARDRAIL | | | | | FPID: 441742-2-58-01 | |
|------------------------|------|-------------------|---|--------------|----------------------|--|
| LOCATION | SIDE | GUARDRAIL REMOVAL | | DESIGN NOTES | CONSTRUCTION REMARKS | |
| STA. TO STA. | | 0536 73 | | | | |
| | | LF | | | | |
| | | P | F | | | |
| 736+87.15 TO 737+25.00 | LT | 37.9 | | | | |
| 736+88.28 TO 737+25.95 | RT | 37.7 | | | | |
| 744+78.29 TO 745+15.75 | RT | 37.8 | | | | |
| TOTAL: | | 113 | | | | |

| SUMMARY OF GUARDRAIL | | | | | FPID: 441742-2-58-02 | |
|------------------------|------|-------------------|---|--------------|----------------------|--|
| LOCATION | SIDE | GUARDRAIL REMOVAL | | DESIGN NOTES | CONSTRUCTION REMARKS | |
| STA. TO STA. | | 0536 73 | | | | |
| | | LF | | | | |
| | | P | F | | | |
| 744+85.20 TO 745+23.19 | LT | 37.5 | | | | |
| TOTAL: | | 38 | | | | |

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | SUMMARY OF QUANTITIES | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|-----------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | SQ-13 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

| SUMMARY OF PERFORMANCE TURF | | | | | | FPID: 441742-2-58-01 | |
|-----------------------------|-------|--------|-------|------------------------|---|----------------------|----------------------|
| LOCATION | SIDE | LENGTH | WIDTH | PERFORMANCE TURF (SOD) | | DESIGN NOTES | CONSTRUCTION REMARKS |
| | | | | 570-1-2 | | | |
| STA. TO STA. | | | | SY | | | |
| | | | | P | F | | |
| 718+49.60 TO 719+49.46 | LT | 99.9 | 2.5 | 27.7 | | | |
| 719+73.70 TO 725+24.31 | LT | 550.6 | 2.5 | 152.9 | | | |
| 725+62.40 TO 726+93.24 | LT | 130.8 | 2.5 | 36.3 | | | |
| 727+35.33 TO 734+48.95 | LT | 713.6 | 2.5 | 198.2 | | | |
| 735+02.64 TO 736+47.93 | LT | 145.3 | 2.5 | 40.4 | | | |
| 737+35.19 TO 743+09.50 | LT | 574.3 | 2.5 | 159.5 | | | |
| 731+23.18 TO 738+73.50 | RT | 750.3 | 2.5 | 208.4 | | | |
| 743+43.66 TO 747+00.25 | RT | 356.6 | 15.0 | 594.3 | | | |
| 748+87.47 TO 749+16.01 | RT | 28.5 | 5.0 | 15.9 | | | |
| FROM DRAINAGE STRUCTURES | RT/LT | | | 45.0 | | | |
| SUB-TOTAL: | | | | 1478.7 | | | |
| PLAN TOTAL: | | | | 1479 | | | |

| SUMMARY OF PERFORMANCE TURF | | | | | | FPID: 441742-2-58-02 | |
|-----------------------------|-------|--------|-------|------------------------|---|----------------------|----------------------|
| LOCATION | SIDE | LENGTH | WIDTH | PERFORMANCE TURF (SOD) | | DESIGN NOTES | CONSTRUCTION REMARKS |
| | | | | 570-1-2 | | | |
| STA. TO STA. | | | | SY | | | |
| | | | | P | F | | |
| 743+49.16 TO 746+00.92 | LT | 251.8 | 6.5 | 181.8 | | | |
| 745+40.00 TO 746+10.00 | LT | 70.0 | 14.0 | 109.0 | | | |
| 746+35.00 TO 747+00.00 | LT | 65.0 | 25.0 | 180.0 | | | |
| 746+44.21 TO 749+04.18 | LT | 260.0 | 10.0 | 288.9 | | | |
| 747+40.00 TO 748+00.00 | LT | 60.0 | 25.0 | 167.0 | | | |
| 718+72.34 TO 723+70.35 | RT | 498.0 | 8.0 | 442.7 | | | |
| 724+05.81 TO 727+94.08 | RT | 388.3 | 10.0 | 431.4 | | | |
| 728+51.02 TO 730+71.65 | RT | 220.6 | 12.0 | 294.2 | | | |
| 739+35.25 TO 742+92.00 | RT | 356.8 | 22.0 | 872.1 | | | |
| 747+35.88 TO 748+96.42 | RT | 160.5 | 8.0 | 142.7 | | | |
| FROM DRAINAGE STRUCTURES | RT/LT | | | 67.0 | | | |
| SUB-TOTAL: | | | | 3176.7 | | | |
| PLAN TOTAL: | | | | 3177 | | | |

| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | SUMMARY OF QUANTITIES | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------|----------------------|-----------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | SQ-14 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

TABULATION OF QUANTITIES

FPID: 441742-2-58-02

| PAY ITEM NO. | DESCRIPTION | UNIT | SHEET NUMBERS | | SHEET NUMBERS | | SHEET NUMBERS | | TOTAL THIS SHEET | | GRAND TOTAL | |
|---------------|--|------|---------------|-------|---------------|-------|---------------|-------|------------------|-------|-------------|-------|
| | | | 104 | | 105 | | 106 | | PLAN | FINAL | PLAN | FINAL |
| | | | PLAN | FINAL | PLAN | FINAL | PLAN | FINAL | | | | |
| 1050-16-004 | UTILITY PIPE, REMOVE & DISPOSE, 8-19.9" | LF | 243 | | 461 | | 261 | | 965 | | | |
| 1050-18-004 | UTILITY PIPE, PLUG & PLACE OUT OF SERVICE. 8-19.9" | LF | | | | | 139 | | 139 | | | |
| 1050-31-201 | UTILITY FITTING FOR PVC PIPE, F&I, CAP/PLUG, 1" | | | | 2 | | | | 2 | | | |
| 1050-31-206 | UTILITY PIPE-POLY VINYL CHLORIDE, F&I, WATER/SEWER, 6" | LF | | | | | 10 | | 10 | | | |
| 1050-31-208 | UTILITY PIPE-POLY VINYL CHLORIDE, F&I, WATER/SEWER, 8" | LF | | | 249 | | | | 249 | | | |
| 1050-31-212 | UTILITY PIPE-POLY VINYL CHLORIDE, F&I, WATER/SEWER, 12" | LF | 24 | | | | 81 | | 105 | | | |
| 1050-42-202 | UTILITY PIPE-HIGH DENSITY POLYETHYLENE, F&I, WATER/SEWER, 2" | LF | 278 | | 30 | | 69 | | 377 | | | |
| * | UTILITY FITTING FOR HDPE PIPE, F&I, TEE, 2" | | | | 1 | | | | 1 | | | |
| * | UTILITY FIXTURE, TAPPING SADDLE/SLEEVE, F&I, 2" | | 1 | | | | 1 | | 2 | | | |
| * | UTILITY FIXTURE, REDUCER, F&I, 2" | | | | 1 | | | | 1 | | | |
| * | UTILITY FIXTURE, CORPORATION STOP | | 1 | | | | 1 | | 2 | | | |
| 1050-42-212** | UTILITY PIPE- HIGH DENSITY POLYETHYLENE, F&I, WATER/SEWER, 12" | LF | 225 | | 449 | | 326 | | 1000 | | | |
| 1055-31-112 | UTILITY FITTING FOR PVC PIPE, F&I, ELBOW, 12" | EA | 1 | | | | 8 | | 9 | | | |
| 1055-31-212 | UTILITY FITTING FOR PVC PIPE, F&I, TEE, 12" | EA | | | | | 1 | | 1 | | | |
| 1060-11-222 | UTILITY STRUCTURE, BELOW GROUND, F&I, WATER/SEWER > 80 FT3, 6.1 - 12' | EA | | | 2 | | | | 2 | | | |
| 1060-11-223 | UTILITY STRUCTURE, BELOW GROUND, F&I, WATER/SEWER > 80 FT3, > 12' | EA | | | 1 | | | | 1 | | | |
| 1060-16 | UTILITY STRUCTURE, BELOW GROUND, REMOVE & DISPOSE CONTRACTOR TAKES OWNERSHIP | EA | | | 1 | | | | 1 | | | |
| 1080-21-600 | UTILITY FIXTURE, VALVE/METER BOX, REMOVE | EA | | | | | 1 | | 1 | | | |
| 1080-23-112 | UTILITY FIXTURE, TAPPING SADDLE/SLEEVE, F&I, 12" | EA | 1 | | | | 1 | | 2 | | | |
| 1080-24-106 | UTILITY FIXTURE, VALVE ASSEMBLY, F&I, 6" (GATE VALVE) | EA | | | | | 1 | | 1 | | | |
| 1080-24-112 | UTILITY FIXTURE, VALVE ASSEMBLY, F&I, 12" (GATE VALVE) | EA | 1 | | | | 1 | | 2 | | | |
| 1080-27-112 | UTILITY FIXTURE-LINE STOP ASSEMBLY, F&I, 12" | EA | 1 | | | | 1 | | 2 | | | |
| 1644-113-08 | FIRE HYDRANT, F&I, STANDARD, 2 HOSE, 1 PUMPER, 6" | EA | | | | | 1 | | 1 | | | |
| 1644-9-00 | FIRE HYDRANT, REMOVE | EA | | | | | 1 | | 1 | | | |

* PAYMENT IS INCLUDED IN THE LINEAR FOOT COST OF PIPE
 ** FUSIBLE POLY VINYL CHLORIDE TO BE PAID UNDER 1050-42-212

| | | | | | | | | | |
|-----------|-------------|------|-------------|--|--|--------|----------------------|--------------------------|-----------|
| REVISIONS | | | | RICKY L. DODD, P.E. P.E. LICENSE NUMBER 88526 GREENMAN-PEDERSEN, INC. 1273 OFFICE PARK DR. CHIPLEY, FL 32428 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | TABULATION OF QUANTITIES | SHEET NO. |
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | | | | N/A | BAY | 441742-2-58-01 | | SQ-15 |