THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING
"RELEASED FOR CONSTRUCTION" DRAWINGS FROM
REBOL-BATTLE & ASSOCIATES BEFORE BEGINNING
CONSTRUCTION. REBOL-BATTLE & ASSOCIATES WILL NOT BE
RESPONSIBLE FOR ANY CONSTRUCTION BASED ON PLANS
THAT HAVE NOT BEEN RELEASED FOR CONSTRUCTION.

## CONSTRUCTION PLANS FOR FALLSCHASE AT PATHSTONE 103 PHASE 4

**RBA PROJECT NO.: 2017.103** 

	WESSAMTION
	SITE INFORMATION
OWNER:	PATHSTONE FL 2017 LLC 29891 WOODROW LN STE 300 SPANISH FORT, AL 36527
DEVELOPER:	PATHSTONE FL 2017 LLC 29891 WOODROW LN STE 300 SPANISH FORT, AL 36527
PROPERTY REFERENCE NO:	10-1S-31-1401-001-002
PROPERTY ADDRESS:	NINE MILE ROAD
PROPERTY AREA:	10.51 ACRES
PROJECT AREA:	10.51 ACRES
PROPERTY ZONING:	COMMERCIAL
FUTURE LAND USE:	MU-U
PROPOSED ACTIVITY:	SUBDIVISION
REQUIRED BUILDING SETBACKS COMMERCAIL:	FRONT YARD - 15 FT. SIDE YARD - 10 FEET OR 10% OF LOT WIDTH AT STREET R/W WHICHEVER IS LESS BUT NOT LESS THAN 5' REAR YARD - 15 FT.

FEMA FLOOD INSURANCE RATE MAP INFORMATION					
THE PARCEL SHOWN FOR DEVELOPMENT IS LOCATED WITHIN THE FOLLOWING FLOOD ZONE(S) AS DETAILED BY FEMA FIRM (FLOOD INSURANCE RATE MAP) INFORMATION DESCRIBED BELOW:					
FLOOD ZONE(S) COMMUNITY No. MAP No. PANEL No. SUFFIX MAP REVISION DAT					
X	120080	12033C	290	G	SEPT 29, 2006

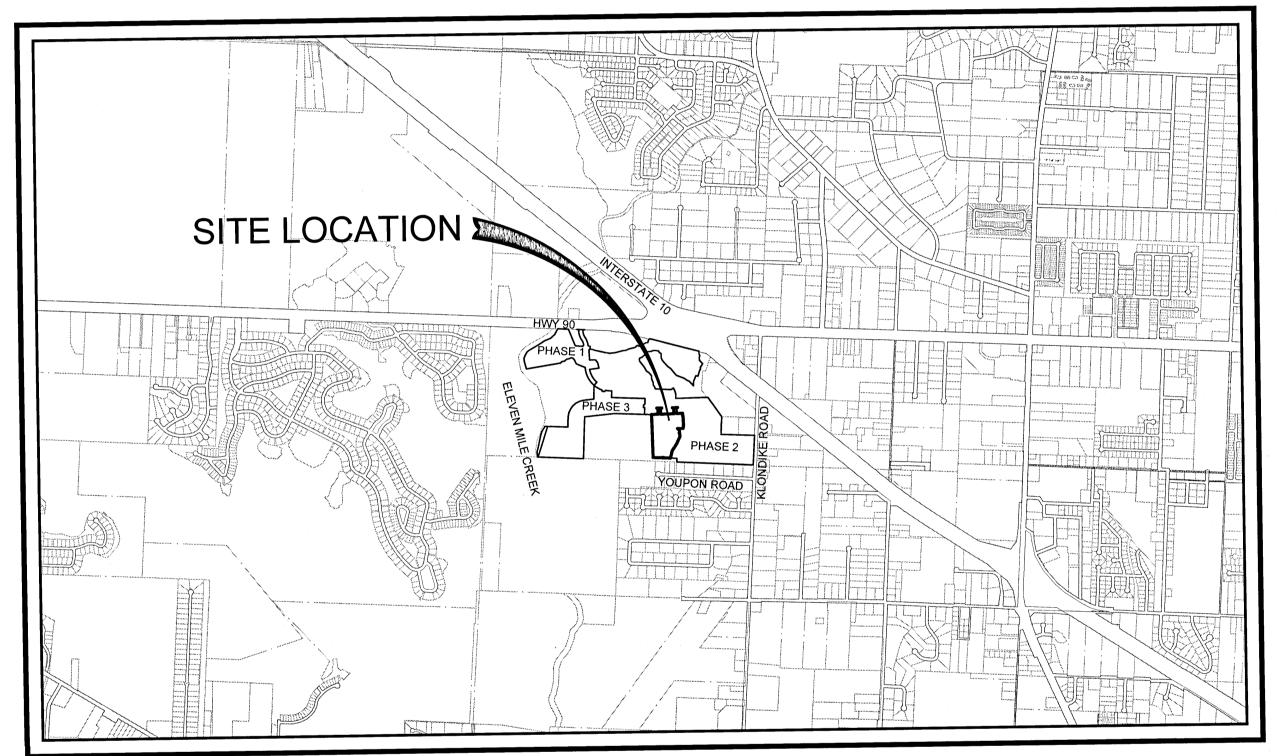
FLOOD NOTE: BY GRAPHIC PLOTTING ONLY; THE PROPERTY SHOWN HEREON IS IN ZONE 'X' AS PER THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE RATE FOR ESCAMBIA COUNTY, FLORIDA; SEE COMMUNITY PANEL No.12033C 0290 G; WHICH BEARS A MAP REVISED DATE OF SEPTEMBER 29, 2006. ALL PROPOSED DEVELOPMENT WITHIN THE SUBDIVISION IS LOCATED IN FLOOD ZONE 'X'

SITE ENVIRONMENTAL INFORMATION				
OVERALL SITE AREA 10.51 ACRES				
ACOE/NWFWMD/ESCAMBIA COUNTY JURISDICTIONAL WETLANDS	0.11 ACRES			
EXISTING WETLAND BUFFER	0.24 ACRES			
WETLAND IMPACT (POND)	0.11 ACRES			
EXISTING WETLAND BUFFER IMPACT	0.24 ACRES			
ADDITIONAL WETLAND BUFFER	0 ACRES			
AVERAGE BUFFER WIDTH	0 FT			
CONSERVATION EASEMENT	0 ACRES			
MERS BUFFER	0 ACRES			

CONTACTS				
GULF POWER 5120 DOGWOOD DRIVE MILTON, FLORIDA 32570	CONTACT: CHAD SWAILS PHONE: 850.429.2446 FAX: 850.429.2432			
	CONTACT: TROY YOUNG PHONE: 850.857.4510 FAX: 850.475.0621			
ECUA 9255 STURDEVANT ST. PENSACOLA, FLORIDA 32514	CONTACT: JACOB KEARLEY, P.E. PHONE: 850.969.5823			
ENERGY SERVICES GAS 1625 ATWOOD DRIVE PENSACOLA, FLORIDA 32504	CONTACT: DIANE MOORE PHONE: 850.474.5319 FAX: 850.474.5331			
AT&T, INC. 605 W. GARDEN STREET PENSACOLA, FLORIDA 32501	CONTACT: JONATHAN BLANKINCHIP PHONE: 850.436.1489			
ESCAMBIA COUNTY PUBLIC WORKS 3363 WEST PARK PLACE PENSACOLA, FLORIDA 32501	CONTACT: MRS. JOHNNY PETTIGREW PHONE: 850.595.3404			
MCI	PHONE: 800.624.9675			
SUNSHINE UTILITIES	PHONE: 800.432.4770			

Imperv. Surf. 63,075 Sq ft
Stormwater Ret. 0.87 % (F)
Total Drainage Fee \$2,743.76
Pond Maint. Fee: MSBU

# PHASE 4 AN 47 LOT SUBDIVISION HIGHWAY 90 ESCAMBIA COUNTY, FLORIDA October 4, 2021



### VICINITY MAP

SCALE: 1" = 2000'

PROFESSIONAL SURVEYOR AND MAPPER

MARK A. NORRIS P.S.M.

REBOL-BATTLE & ASSOCIATES, LLC

2301 NORTH NINTH AVE., SUITE 300

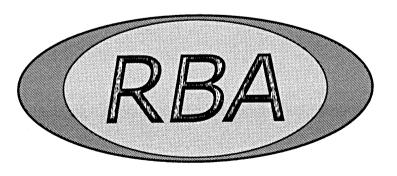
PENSACOLA, FL 32503

CIVIL ENGINEER

JEREMY R. KING, P.E.

REBOL-BATTLE & ASSOCIATES, LLC
2301 NORTH NINTH AVE., SUITE 300
PENSACOLA, FL 32503
TELEPHONE 850.438.0400

TELEPHONE 850.438.0400



## REBOL-BATTLE & ASSOCIATES

Civil Engineers and Surveyors

2301 N. Ninth Avenue, Suite 300
Pensacola, Florida 32503
Telephone 850.438.0400
Fax 850.438.0448
EB 00009657 LB 7916

### ECUA ENGINEERING MANUAL REFERENCE NO

\*NOTES SHALL BE INSERTED IN THE UPPER RIGHT CORNER OF TITLE SHEET

\*APPLICABLE ONLY TO ECUA INFRASTRUCTURE TO BE CONSTRUCTED IN PUBLIC ROW OR IN UTILITY

FASEMENT: NOT TO BE APPLIED TO PRIVATE WATER/SEWER FACILITIES ON PRIVATE PROPERTY (SEE BUILDING COL

### A FCIIA FNGINFFRING MANUAL INCORPORATED BY REFERENCE

THE ECUA ENGINEERING MANUAL, DATED DECEMBER 18, 2014, ALONG WITH UPDATE # 1 DATED SEPTEMBER 1, 2016 (HEREINAFTER "MANUAL"), LOCATED AT WWW.ECUA.FL.GOV, IS HEREBY INCORPORATED BY REFERENCE INTO THIS PROJECT'S OFFICIAL CONTRACT DOCUMENTS AS IF FULLY SET FORTH THEREIN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE KNOWLEDGEABLE OF THE MANUAL'S CONTENTS AND TO CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE MANUAL. THE CONTRACTOR SHALL PROVIDE ITS EMPLOYEES ACCESS TO THE MANUAL AT ALL TIMES, VIA PROJECT SITE OR OFFICE, VIA DIGITAL OR PAPER FORMAT. IN THE EVENT OF A CONFLICT BETWEEN THE MANUAL AND PLANS, CONTRACTOR SHALL CONSULT ENGINEER OF RECORD FOR PROPER RESOLUTION.

### B. ADDITIONAL DOCUMENTS (TO BE COMPLETED BY THE ENGINEER OF RECORD,

DOES THIS PROJECT HAVE ADDITIONAL TECHNICAL SPECIFICATIONS OR CONSTRUCTION DETAILS THAT SUPERSED THE MANUAL LISTED ABOVE?

YES N

IF YES, CONTRACTOR SHALL CONSTRUCT PROJECT IN ACCORDANCE WITH SAID DOCUMENTS AS LISTED AND

	DOCUME	ENT TYPE	LOCATION		
DOCUMENT NAME	SPECIFICATION	DETAIL	PLANS	PROJECT MANUAL*	
		granda (Mitalanda) granda		and the second s	

\*PROJECT MANUALS USED ONLY WITH ECUA CIP PROJECTS

### C. FNGINEER OF RECORD RESPONSIBILITIES

THE ENGINEERS OF RECORD (EORS) THAT HAVE AFFIXED THEIR SEALS AND SIGNATURES ON THESE PLANS WARRANT THEIR PORTIONS OF THE PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE MANUAL (UNLES OTHERWISE DIRECTED BY THE ECUA PROJECT ENGINEER). THE EORS SHALL BE KNOWLEDGEABLE OF THE MANUAL'S CONTENTS AND SHALL ASSUME RESPONSIBILITY FOR ITS USE ON THIS PROJECT.

### INDEX OF DRAWINGS

C1.0 ~ C1.2	EXISTING SITE, DEMOLITION AND EROSION CONTROL PLAN
C1.3	EROSION CONTROL DETAILS
C1.4	NPDES-STORMWATER POLLUTION PREVENTION PLAN
C2.0 ~ C2.3	SITE LAYOUT AND DIMENSION PLAN
C3.0 ~ C3.6	GRADING, DRAINAGE PLAN AND DETAILS
C4.0 ~ C4.1	UTILITY PLAN
C5.0 ~ C5.3	PLAN AND PROFILE
C6.0 ~ C6.1	STORMWATER PLAN AND PROFILE
C7.0 ~ C7.2	CROSS SECTIONS

### LEGAL DESCRIPTION

DESCRIPTION: (PREPARED BY REBOL-BATTLE & ASSOCIATES) (2017.103 PHASE 4)

COMMENCE AT THE NORTHEAST CORNER OF SECTION 10, TOWNSHIP 1 SOUTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA; THENCE PROCEED FOR A DISTANCE OF 72.08 FEET; THENCE PROCEED NORTH 87'08'42" WEST FOR A DISTANCE OF 120.84 FEET TO THE POINT OF BEGINNING; THENCE PROCEED NORTH 12'48'50" EAST FOR A DISTANCE OF 146.43 FEET; THENCE PROCEED NORTH 33'58'00" EAST FOR A DISTANCE OF DISTANCE OF 62.80 FEET; THENCE PROCEED NORTH 57'43'30" WEST FOR A DISTANCE OF 15.09 FEET TO A NON-TANGENT POINT ON A CIRCULAR CURVE CONCAVE SOUTHWESTERLY, SAID CURVE HAVING A RADIUS OF 60.00 FEET; THENCE PROCEED NORTHWESTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 85.30 FEET (DELTA ANGLE = 81'27'29", CHORD DISTANCE = 78.30 FEET, CHORD BEARING = SOUTH 18'24'07" EAST) TO A POINT OF REVERSE CURVATURE OF A CIRCULAR CURVE CONCAVE NORTHEASTERLY, SAID CURVE HAVING A RADIUS OF 15.00 FEET; THENCE PROCEED NORTHWESTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 15.12 FEET (DELTA ANGLE = 57'45'22", CHORD DISTANCE = 14.49 FEET, CHORD BEARING = SOUTH 18'24'07" EAST); THENCE DEPARTING SAID CURVE PROCEED NORTH 88'37'30" EAST FOR A DISTANCE OF 108.79 FEET; THENCE PROCEED NORTH 11'15'50" EAST FOR A DISTANCE OF 51.24 FEET; THENCE PROCEED NORTH 01'22'30" WEST FOR A DISTANCE OF 200.00 FEET; THENCE PROCEED SOUTH 88'37'30" WEST FOR A DISTANCE OF 10.00 FEET; THENCE PROCEED NORTH 01'22'30" WEST FOR A DISTANCE OF 50.00 FEET; THENCE PROCEED SOUTH 88'37'30" WEST FOR A DISTANCE OF 120.00 FEET; THENCE PROCEED NORTH 01°22'30" WEST FOR A DISTANCE OF 90.58 FEET TO THE POINT OF CURVATURE OF A CIRCULAR CURVE CONCAVE SOUTHEASTERLY, SAID CURVE HAVING A RADIUS OF 25.00 FEET; THENCE PROCEED NORTHEASTERLY ALONG THE ARC OF SAID 43'37'30" EAST): THENCE DEPARTING SAID CURVE PROCEED SOUTH 88'37'30" WEST FOR A DISTANCE OF 100.00 FEET TO A NON-TANGENT SOUTHEASTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 39.27 FEET (DELTA ANGLE = 90'00'00", CHORD DISTANCE = 35.36 FEET, CHORD BEARING = SOUTH 46'22'30" EAST) TO THE POINT OF TANGENCY; THENCE PROCEED SOUTH 01'22'30" EAST FOR A DISTANCE OF 90.58 FEET; THENCE PROCEED SOUTH 88'37'30" WEST FOR A DISTANCE OF 260.00 FEET; THENCE PROCEED NORTH 01'22'30" ANGLE = 90'46'23", CHORD DISTANCE = 35.59 FEET, CHORD BEARING = NORTH 44'00'41" EAST) A NON-TANGENT POINT OF CURVATURE OF A CIRCULAR CURVE CONCAVE NORTHERLY, SAID CURVE HAVING A RADIUS OF 970.30 FEET; THENCE PROCEED WESTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 51.84 FEET (DELTA ANGLE = 03'03'40", CHORD DISTANCE = 51.83 FEET, CHORD BEARING = NORTH 89'04'17" WEST) TO THE POINT OF TANGENCY; THENCE DEPARTING SAID CURVE PROCEED NORTH 87'32'27" WEST FOR A DISTANCE OF 46.98 FEET TO A NON-TANGENT POINT OF CURVATURE OF A CIRCULAR CURVE CONCAVE TO THE SOUTHWEST HAVING A RADIUS OF 25.00 FEET; THENCE PROCEED SOUTHEASTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 37.60 FEET (CHORD = 34.15 FEET, CHORD BEARING = SOUTH 44'27'29" EAST, DELTA = 86'09'57") TO THE POINT OF TANGENCY OF SAID CURVE; THENCE PROCEED SOUTH 01'22'30" EAST FOR A DISTANCE OF 95.95 FEET; THENCE PROCEED SOUTH 88'37'30" WEST FOR A DISTANCE OF 130.27 FEET; THENCE PROCEED SOUTH 01'23'02" EAST FOR A DISTANCE OF 849.91 FEET; THENCE PROCEED SOUTH 87'08'42" EAST FOR A DISTANCE OF 343.30 FEET TO THE POINT

LYING IN AND BEING A PORTION OF SECTION 10, TOWNSHIP 1 SOUTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA, AND CONTAINING 10.51 ACRES MORE OR LESS.



This document has been reviewed in accordance with requirements of applicable Escambia County Regulations and Ordinances and does not in any way relieve the submitting Architect, Engineer, Surveyor, or other signatory from responsibility of details as drawn.



### **EROSION CONTROL NOTES:**

- 1. THE CONTRACTOR SHALL ESTABLISH EROSION CONTROL PRIOR TO COMMENCING ANY CONSTRUCTION OR DEMOLITION ON THE PROJECT. EROSION CONTROL BARRIER PLACEMENT AS INDICATED IS SUGGESTED ONLY AND DOES NOT RELIEVE THE CONTRACTOR FROM CONTROLLING EROSION AND SEDIMENT WITHIN THE PROJECT SITE. EROSION CONTROL MEASURES ARE TO REMAIN IN PLACE AND BE MAINTAINED DURING THE ENTIRE TIME OF CONSTRUCTION AND DEMOLITION ON THE PROJECT.
- 2. AN EROSION CONTROL BARRIER IS TO BE PLACED ALONG ALL BOUNDARIES OF THE PROJECT AREA AS SHOWN BEFORE CONSTRUCTION BEGINS AND REMAIN IN PLACE UNTIL CONSTRUCTION IS FINISHED AND ACCEPTED AND FINAL STABILIZATION IS COMPLETE.
- 3. INSPECT AND REESTABLISH EROSION CONTROL BARRIERS WEEKLY AND AFTER EVERY SIGNIFICANT STORM EVENT.
- 4. THE CONTRACTOR IS REQUIRED TO SUBMIT A NOTICE OF INTENT TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES (FDEP FORM 62-621.300(4)(b)) ALONG WITH THE APPROPRIATE APPLICATION FEE TO THE NPDES STORMWATER NOTICES CENTER 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
- 5. RETENTION/DETENTION AREAS SHALL BE SUBSTANTIALLY COMPLETE PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT MAY INCREASE STORMWATER

**GENERAL NOTES:** 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF ALL GOVERNING AUTHORITIES.

2. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO CONFIRM THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AGENCIES.

3. THE LOCATION OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON INFORMATION PROVIDED BY THE UTILITIES AND SHALL BE CONSIDERED APPROXIMATE. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.

4. THE CONTRACTOR SHALL NOTIFY THE SUPERINTENDENTS OF THE WATER, SANITARY SEWER GAS. TELEPHONE, CABLE TELEVISION, AND POWER COMPANIES 10 DAYS IN ADVANCE THAT HE INTENDS TO START WORK IN A SPECIFIED AREA. THE OWNER DISCLAIMS ANY RESPONSIBILITY FOR THE SUPPORT AND PROTECTION OF SEWERS, DRAINS, WATER PIPES, GAS PIPES, CONDUITS OF ANY KIND, UTILITIES OR OTHER STRUCTURES OWNED BY THE CITY, COUNTY, STATE OR BY PRIVATE OR PUBLIC UTILITIES LEGALLY OCCUPYING ANY STREET, ALLEY, PUBLIC PLACE OR RIGHT-OF-WAY.

5. SITE CLEARING SHALL INCLUDE THE LOCATION AND REMOVAL OF ALL UNDERGROUND STRUCTURES. WHICH ARE NOT IN SERVICE AS NECESSARY FOR THE INSTALLATION OF PROPOSED IMPROVEMENTS. THESE INCLUDE PIPES, VALVES, DRAINAGE STRUCTURES, ETC., AS INDICATED ON THE CONTRACT PLANS. CONTRACTOR SHALL NOTIFY THE PROJECT OWNER AND ENGINEER OF ALL DISCOVERED UNDERGROUND STRUCTURES WHICH ARE IN CONFLICT WITH THE INSTALLATION OF THE PROPOSED IMPROVEMENTS AND ARE NOT INDICATED ON THE CONTRACT PLANS OR LOCATED IN THE FIELD BY UTILITIES IN ACCORDANCE WITH GENERAL NOTES.

6. RELOCATION OF OBSTRUCTIONS OWNED BY PRIVATE PROPERTY OWNERS, SUCH AS MAIL BOXES, SHALL

8. ALL AREAS, NOT PAVED, DISTURBED DURING CONSTRUCTION SHALL BE CLEANED OF DEBRIS AND CONSTRUCTION MATERIAL AND RAKED SMOOTH.

9. ALL EXCESS MATERIAL SHALL BE HAULED AWAY AND DISPOSED OF APPROPRIATELY AT THE CONTRACTOR'S EXPENSE.

10. CONTRACTOR SHALL VISIT SITE TO FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS AND THE EXTENT OF CLEARING & GRUBBING REQUIRED.

11. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES, NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN

12. CONTRACTOR TO COORDINATE WITH RESPONSIBLE UTILITY FOR PROTECTION/HOLDING OF UTILITY POLES, GUY WIRES, AND GUY ANCHORS IN AREAS OF CONSTRUCTION. CONTRACTOR SHALL INCLUDE THE COST OF PROTECTING UTILITY POLES IN THEIR OVERALL PRICE TO THE OWNER.

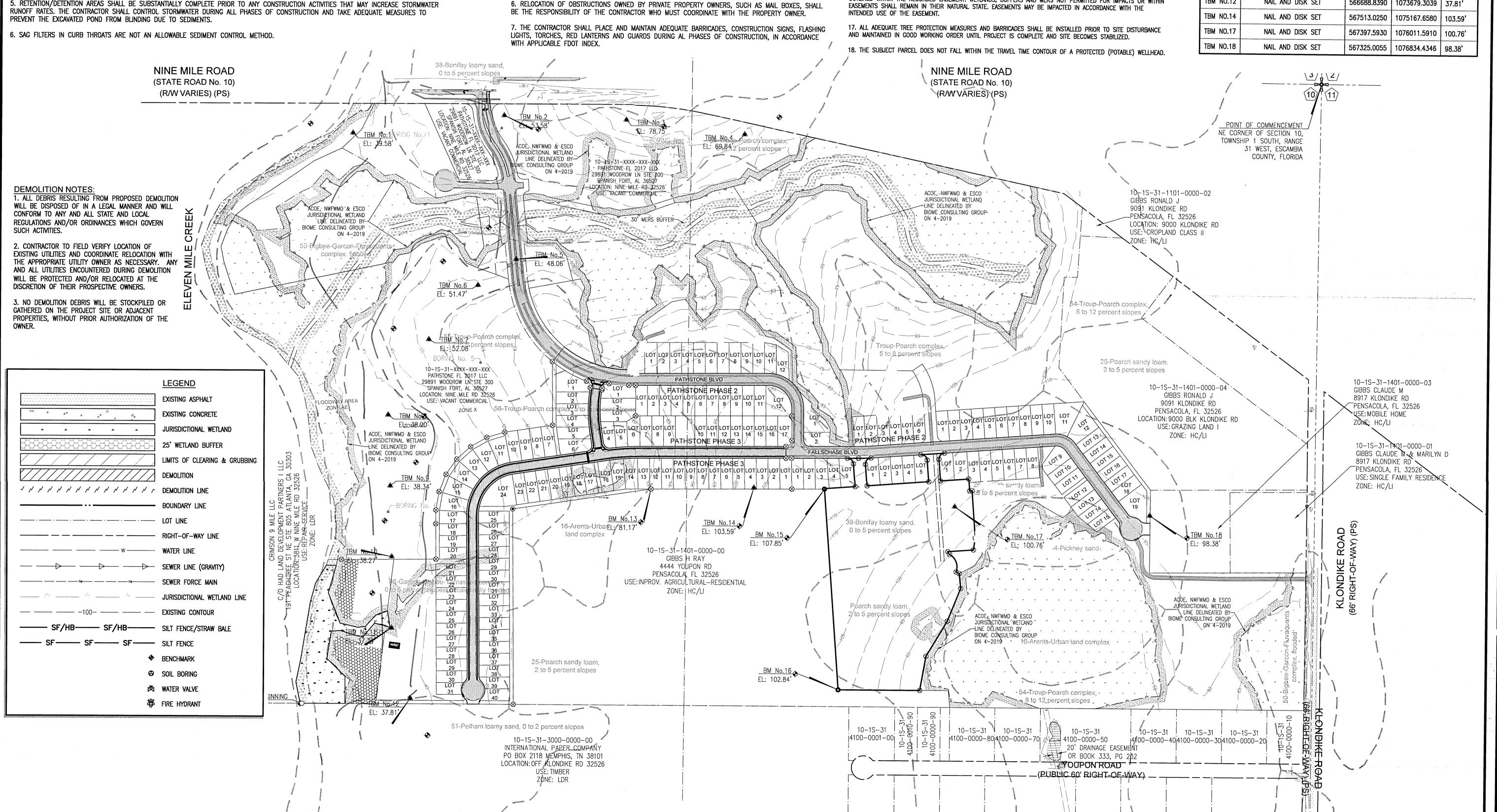
13. DAMAGE TO EXISTING ROADS DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR PRIOR TO FINAL "AS-BUILT" SIGN-OFF FROM THE COUNTY.

14. THE CONTRACTOR SHALL NOTIFY FDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHT-OF-WAY.

15. ALL SIDEWALKS, CURB RAMPS AND DRIVEWAYS MUST BE BUILT TO THE LATEST EDITION OF THE FDOT DESIGN STANDARDS, ADA AND PROWAG.

16. CONSERVATION EASEMENTS SHALL REMAIN IN THEIR NATURAL STATE AND AS CONDITIONED WITHIN THE GUIDELINES OUTLINED WITHIN THE RECORDED EASEMENT. WETLANDS, BUFFERS AND MERS NOT PERMITTED FOR IMPACTS OR WITHIN EASEMENTS SHALL REMAIN IN THEIR NATURAL STATE. EASEMENTS MAY BE IMPACTED IN ACCORDANCE WITH THE

-	POINT C	HART		
POINT #	DESCRIPTION	NORTHING	EASTING	ELEVATIO
BM NO.15	2" DIA ROUND CONC MONUMENT	567494.7602	1075466.8797	107.85'
BM NO.16	2" DIA ROUND CONC MONUMENT	566647.1295	1075487.3576	102.84'
TBM NO.1	nail and disk set	569087.2640	1073545.7589	39.58'
TBM NO.2	nail and disk set	569131.7534	1074186.1723	53.58'
TBM NO.3	nail and disk set	569089.9764	1074699.3937	78.75'
TBM NO.4	nail and disk set	569007.1169	1075193.4876	69.84
TBM NO.5	nail and disk set	568520.4502	1074210.0787	48.06'
TBM NO.6	nail and disk set	568418.3549	1074044.2635	51.47'
TBM NO.7	nail and disk set	568200.3382	1073827.6523	52.08'
TBM NO.8	nail and disk set	567888.8848	1073642.0017	38.20'
TBM NO.9	nail and disk set	567588.9969	1073635.9906	38.34'
TBM NO.10	nail and disk set	567289.1126	1073628.4113	38.27'
TBM NO.11	nail and disk set	566988.8665	1073613.9182	37.79'
TBM NO.12	nail and disk set	566688.8390	1073679.3039	37.81'
TBM NO.14	nail and disk set	567513.0250	1075167.6580	103.59'
TBM NO.17	nail and disk set	567397.5930	1076011.5910	100.76'
TBM NO.18	NAIL AND DISK SET	567325 0055	1076834 4346	00 70'

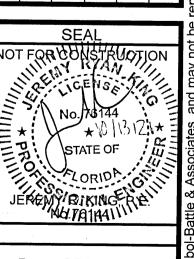


XISTING **OVERALL** 

SIT

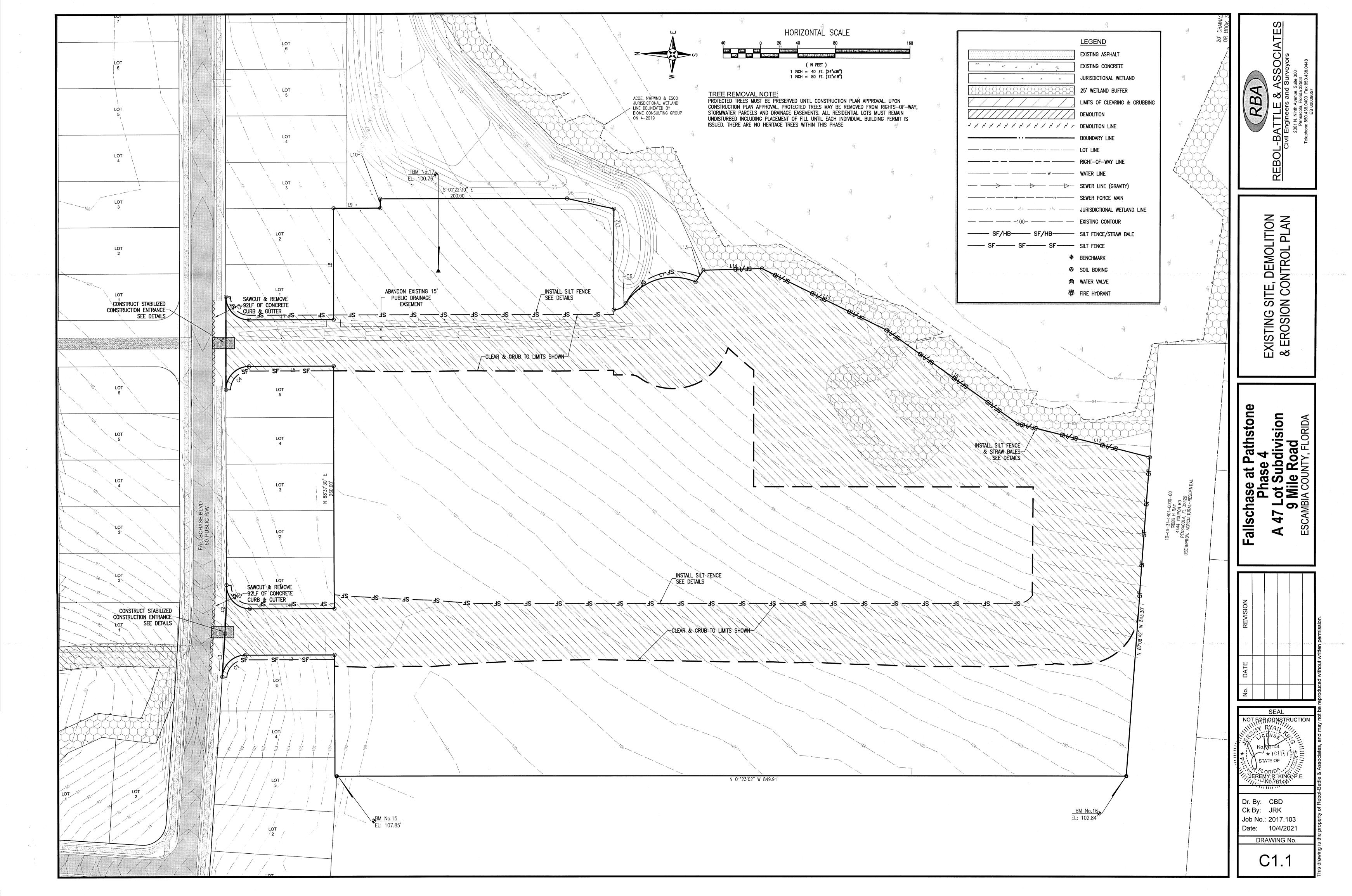
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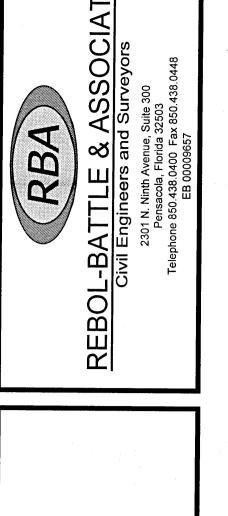
SEAL					l	
No.						
DATE						
REVISION						



Dr. By: CBD Ck By: JRK Job No.: 2017.103 Date: 10/4/2021 DRAWING No.

C1.0





Fallschase at Pathstone
Phase 4
A 47 Lot Subdivision
9 Mile Road
ESCAMBIA COUNTY, FLORIDA

	REVISION					
	DATE					
	No.					
_						
ı	SEAL					
	SEAL NOT FOR CONSTRUCTION					

Dr. By: CBD Ck By: JRK Job No.: 2017.103 Date: 10/4/2021

DRAWING No.

C1.2

	150.27	3 00 37 30 11
L22	2.04	S 1°23'02" E
L23	138.40	N 87°31'56" W
L24	129.81	N 2°28'00" E
L25	23.75	N 87"32'00" W
L26	50.00	N 2°28'00" E
L27	105.00	N 2°28'00" E
L28	130.00	N 2°28'00" E
L29	27.29	N 87°32'00" W
L30	6.51	S 12°46'05" W
L31	50.00	N 77"13'55" W
L32	80.00	N 41°40'27" E
L33	187.83	N 82°17'35" E
L34	105.47	N 11'54'25" W
L35	72.36	N 35'48'43" W
L36	119.33	N 88'14'12" W

**BOUNDARY LINE TABLE** 

L19 46.76 N 87\*32'00" W

L20 95.95 S 1'22'30" E L21 130.27 S 88°37'30" W

Direction

Line # Length

BOUNDARY LINE TABLE

L1 72.08 N 2'36'38" W

L2 | 120.84 | N 87"08'42" W

L3 | 146.43 | N 12°48'50" E

L4 | 172.76 | N 33°58'00" E

L8 | 108.79 | N 88°37'30" E

L9 51.24 N 11°15'50" E

L10 | 200.00 | N 1°22'30" W

L11 10.00 S 88°37'30" W

L13 | 120.00 | S 88°37'30" W

L14 90.58 N 1°22'30" W

L15 | 100.00 | S 88°37'30" W

15.09

L12 50.00

L16 90.58

L18 90.67

L7

Direction

N 25°02'40" E

N 3°10'25" W

N 57°43'30" W

N 1°22'30" W

S 1°22'30" E

S 88'37'30" W

N 1°22'30" W

BOUNDARY LINE TABLE

L37 | 194.47 | N 2'54'39" W

L38 37.77 N 83'41'14" E

L39 | 47.14 | S 80°05'46" E

Direction

Line # Length

BOL	BOUNDARY LINE TABLE				
Line #	Length	Direction			
L55	20.79	S 11°42'13" E			
L56	29.80	S 4'48'29" W			
L57	47.57	S 22°26'54" E			
L58	39.17	S 18'40'57" W			
L59	53.24	S 3'54'30" E			
L60	88.34	S 44°49'23" E			
L61	95.03	S 31°28'00" W			
L62	20.44	S 21"17'57" E			
L63	58.55	S 24°10'52" W			
L64	97.88	S 18'10'02" W			
L65	41.81	N 76°31'28" W			
L66	123.28	S 22°29'55" W			
L67	86.24	S 2°30'28" W			
L68	120.80	N 41°04'10" W			
L69	43.59	N 67°19'52" W			
L70	75.91	N 55°53'20" W			
L71	161.37	N 67°19'58" W			
L72	73.70	N 39°04'39" W			

ine #	Length	Direction
L73	56.96	N 39'28'28" W
L74	47.08	N 40'46'45" W
L75	66.59	N 53*56'35" W
L76	173.38	N 41°16'59" W
L77	52.13	N 17*44'00" W
L78	74.76	N 1°09'37" E
L79	42.47	N 56°05'36" W
L80	33.18	N 29°36'36" W
L81	50.38	N 77°34'57" W
L82	51.48	N 88°44'50" W
L83	46.96	S 68'05'56" W
L84	69.51	S 84°24'40" W
L85	41.81	S 39°05'41" W
L86	119.62	S 48'49'48" W
L87	42.20	S 74°44'54" W
L88	38.99	S 16'47'25" W
L89	30.55	S 23'55'24" E

L90 44.57 S 37'50'31" E

BOUNDARY LINE TABLE

Direction  S 36°15'17" E  S 28°28'48" E  S 55°51'08" E  S 36°52'49" E
S 28'28'48" E S 55'51'08" E S 36'52'49" E
S 55'51'08" E S 36'52'49" E
S 36'52'49" E
S 3.00,39, E
S 21°25'05" E
S 1°20'09" E
S 36'32'47" E
S 23'51'17" E
N 57°27'00" E
S 1°22'30" E
_

BOUNDARY CURVE TABLE						
Curve #	Length	Radius	Central Angle Chord		Chord Bearing	
C1	85.30	60.00	81°27'29"	78.30	N 18°24'07" W	
C2	15.12	15.00	57*45'22"	14.49	N 30°15'11" W	
C3	39.27	25.00	90'00'00"	35.36	N 43'37'30" E	
C4	39.27	25.00	89*59'59"	35.36	S 46°22'31" E	
<b>C</b> 5	39.60	25.00	90°46'04"	35.59	N 44°00'32" E	
C6	52.06	970.30	3'04'26"	52.05	N 89'04'13" W	
C7	37.59	25.00	86'09'30"	34.15	S 44°27'15" E	
C8	39.27	25.00	90'00'00"	35.36	N 47°28'00" E	
С9	84.31	495.00	9*45'32"	84.21	N 82°39'17" W	
C10	39.03	25.00	89'27'26"	35.19	S 57°29'48" W	
C11	34.80	25.00	79°45'49"	32.06	N 27°06'49" W	
C12	166.18	510.00	18°40'10"	165.45	N 57°39'39" W	
C13	293.93	430.00	39°09'54"	288.24	N 28'44'36" W	
C14	11.10	25.00	25'26'10"	11.01	N 09°48'26" E	
C15	163.23	300.00	31°10'30"	161.23	S 16°57'45" E	

2. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 30 DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSTALLED PRIOR TO ANY MAJOR SOIL

DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS

EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE STANDARDS.

3. PERMANENT VEGETATION TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER GRADING. MULCH TO BE USED AS NECESSARY FOR PROTECTION UNTIL SEEDING IS ESTABLISHED.

4. ALL WORK AND MATERIALS TO BE IN ACCORDANCE WITH THE FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION, SECTIONS 104, 570, 981, 982, 983, 985, & 987.

\*5. A BITUMINOUS CONCRETE BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE STREETS, ROADS, DRIVEWAYS AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE BITUMINOUS CONCRETE BASE SHALL BE INSTALLED WITHIN 15 DAYS OF THE PRELIMINARY GRADING.

\*6. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A THICKNESS OF TWO (2) TO FOUR (4) INCHES MIXED WITH THE TOP TWO (2) INCHES OF SOIL, ACCORDING TO STATE STANDARDS.

\*7. ANY STEEP SLOPES RECEIVING PIPELINE INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS (I.E. SLOPES GREATER THAN 3:1).

\*8. A CRUSHED LIMEROCK, VEHICLE WHEEL-CLEANING BLANKET SHALL BE INSTALLED AT THE CONTRACTOR'S STAGING YARD AND/OR STOCKPILE AREAS TO PREVENT OFF-SITE TRACKING OF SEDIMENT BY CONSTRUCTION VEHICLES ONTO PUBLIC ROADS. BLANKET SHALL BE 15FT. X 50FT. X 6IN. (MINIMUM), CRUSHED LIMEROCK 2 1/2 INCHES IN DIAMETER. SAID BLANKET SHALL BE UNDERLAIN WITH A FDOT CLASS 3 SYNTHETIC FILTER FABRIC AND MAINTAINED IN GOOD ORDER.

9. AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE

\*10. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.

11. UNFILTERED DEWATERING IS NOT PERMITTED. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS DURING ALL DEWATERING OPERATIONS TO MINIMIZE SEDIMENT TRANSFER.

12. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET, TEMPORARY VEGETATION COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED IN ACCORDANCE WITH STATE STANDARDS FOR EROSION CONTROL.

13. ALL SOIL WASHED, DROPPED, SPILLED OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHTS-OF-WAY WILL BE REMOVED IMMEDIATELY.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.

15. ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE NUMBER 2 (ABOVE).

16. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.

17. ALL SEDIMENTATION STRUCTURES SHALL BE INSPECTED AND MAINTAINED REGULARLY.

18. ALL CATCH BASIN INLETS SHALL BE PROTECTED WITH HAY BALES AS SHOWN ON DETAIL.

19. THE CONTRACTOR SHALL PREPARE A PLAN FOR THE PROPER DEWATERING AND DOWNSTREAM SILTATION PROTECTION OF EACH STREAM CROSSING PRIOR TO EXCAVATING THE STREAM BED. PLAN SHALL BE FORWARDED TO THE ENGINEER FOR APPROVAL. THE ENGINEER SHALL BE NOTIFIED FOR INSPECTION PRIOR TO EACH STREAM CROSSING CONSTRUCTION.

20. ANY AREAS USED FOR THE CONTRACTOR'S STAGING, INCLUDING BUT NOT LIMITED TO, TEMPORARY STORAGE OF STOCKPILED MATERIALS (E.G. CRUSHED STONE, QUARRY PROCESS STONE, SELECT FILL, EXCAVATED MATERIALS, ETC.), SHALL BE ENTIRELY PROTECTED BY A SILT FENCE ALONG THE LOW ELEVATION SIDE TO CONTROL SEDIMENT RUNOFF.

\* WHERE APPLICABLE

### TEMPORARY SEEDING DETAILS:

### SEED BED PREPARATION:

SOIL TO BE THOROUGHLY PULVERIZED BY DISK-HARROWING AND BE LOOSE AND REASONABLY SMOOTH. APPLY FERTILIZER AT A RATE OF 260 LBS/ACRE OF 16-16-16 OR EQUIVALENT, APPLY DOLOMITIC LIMESTONE AT A RATE OF 800 TO 1000 LBS./ACRE TO PROVIDE A SOIL pH OF 5.5 TO 6.5, LIME & FERTILIZER TO BE WORKED INTO THE TOPSOIL TO A DEPTH OF 4". ADD SANDY LOAM TOPSOIL TO A MINIMUM OF TWO (2) INCHES WHERE

### SEED MIXTURE

CONSISTING OF ANNUAL RYE (LOLIUM MULTIFLORUM) AT A RATE OF 174 LBS/ACRE.

### PERMANENT SEEDING DETAILS:

SEED BED PREPARATION: SOIL TO BE THOROUGHLY PULVERIZED BY DISK-HARROWING AND BE LOOSE AND REASONABLY SMOOTH. APPLY FERTILIZER AT A RATE OF 260 LBS/ACRE OF 16-16-16 OR EQUIVALENT, APPLY DOLOMITIC LIMESTONE AT A RATE OF 800 TO 1000 LBS./ACRE TO PROVIDE A SOIL pH OF 5.5 TO 6.5, LIME & FERTILIZER TO BE WORKED INTO THE TOPSOIL TO A DEPTH OF 4". ADD SANDY LOAM TOPSOIL TO A MINIMUM OF TWO (2) INCHES WHERE REQUIRED.

<u>GERMINATION</u> SEED MIXTURE CONSISTING OF 95% 80% 260 LBS/AC. ARGENTINE BAHIA 40%(MIN.)-80%(TOTAL) 95% PENSACOLA BAHIA 260 LBS/AC.

BE PROVIDED BY THE CONTRACTOR AS SOON AS WEATHER CONDITIONS PERMIT.

SOD SHALL BE WELL ROOT MATTED CENTIPEDE OR BAHIA GRASS COMMERCIALLY CUT TO A MINIMUM DIMENSION OF 12" x 24" A MAXIMUM OF 72 HOURS PRIOR TO PLACEMENT. SOD SHALL BE LIVE, FRESH AND UNINJURED, REASONABLY FREE OF WEEDS AND OTHER GRASSES, WITH A HEAVY SOIL MAT ADHERING TO THE ROOT SYSTEM. SOD SHALL BE GROWN, CUT, AND SUPPLIED BY A STATE CERTIFIED GROWER.

TRAFFIC CONTROL STANDARDS: 1. CONSTRUCTION TRAFFIC SHALL BE RESTRICTED TO ONSITE ACCESS BY MEANS SO DESIGNATED BY THE ENGINEER, POLICE/SHERIFF DEPARTMENT, ESCAMBIA COUNTY HIGHWAY DEPARTMENT, AND/OR THE FLORIDA DEPARTMENT OF TRANSPORTATION.

2. TRAFFIC DURING WET WEATHER SHALL BE MINIMIZED AND APPROPRIATE ROADWAY AND SITE CLEAN-UP SHALL

1. DAMAGED TRUNKS OR EXPOSED ROOTS WILL BE PAINTED IMMEDIATELY WITH A GOOD GRADE OF "TREE

2. TREE LIMB REMOVAL, WHERE NECESSARY, WILL BE DONE FLUSH TO TRUNK OR MAIN BRANCH AND THAT ARFA PAINTED IMMEDIATELY WITH A GOOD GRADE OF TREE PAINT.

### DUST CONTROL:

1. ALL AREAS OF CLEARING AND EMBANKMENT AS WELL AS CONSTRUCTION HAUL ROADS SHALL BE TREATED AND MAINTAINED IN SUCH A MANNER AS TO MINIMIZE ANY DUST GENERATION.

2. DISTURBED AREAS SHALL BE MAINTAINED IN A ROUGH GRADED CONDITION AND TEMPORARILY SEEDED AND/OR MULCHED UNTIL PROPER WEATHER CONDITIONS EXIST FOR THE ESTABLISHMENT OF PERMANENT VEGETATION COVER.

3. IN EVENT OF EMERGENCY CONDITIONS, TILLAGE WILL BE SATISFACTORY FREE BEFORE SOIL BLOWING STARTS. 4. CALCIUM CHLORIDE MAY BE APPLIED TO UNPAVED ROADWAY AREAS, ONLY, SUBJECT TO THE ENGINEER'S APPROVAL AND CONFORMANCE WITH FDOT STANDARD SPECIFICATIONS, SECTION 104, LATEST EDITION.

### PROPOSED SEQUENCE OF CONSTRUCTION:

1. THE INSTALLATION OF ALL SEDIMENT AND EROSION CONTROL DEVICES THAT CAN BE PLACED PRIOR TO ANY MAJOR SOIL DISTURBANCES.

2. CLEAR AND REMOVE ALL EXISTING VEGETATION IN THOSE AREAS WHERE NECESSARY. ALL REMAINING VEGETATION IS TO BE PROPERLY PROTECTED AND IS TO REMAIN IN ITS NATURAL STATE. TOPSOIL IN AREAS TO BE DISTURBED IS TO BE STRIPPED TO A MINIMUM DEPTH OF SIX (6) INCHES AND STOCKPILED SEPARATELY FROM FROM OTHER EXCAVATED SOIL(S)

3. THE IMMEDIATE INSTALLATION OF ALL REMAINING SEDIMENT AND EROSION CONTROL DEVICES.

4. PERFORM ALL DEMOLITION WORK.

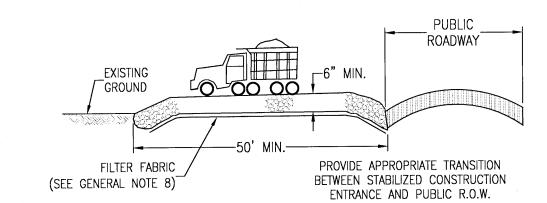
5. CONSTRUCT ALL UNDERGROUND UTILITIES AND STORM DRAIN SYSTEMS.

6. CONSTRUCT ROADS (SUBGRADE, CURB & GUTTER, BASE, PAVEMENT, SIDEWALKS AND LANDSCAPING).

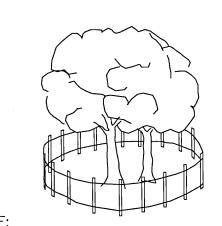
7. COMPLETE STORMWATER PONDS.

8. UPON THE COMPLETION OF THE CONSTRUCTION ACTIVITIES, PROVIDE RESTORATION, FINE GRADE REMAINDER OF SITE, RESPREAD STOCKPILED TOPSOIL AND STABILIZE WITH PERMANENT VEGETATIVE COVER AND

9. THE REMOVAL OF APPROPRIATE TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES.



### STABILIZED CONSTRUCTION ENTRANCE DETAIL



ALL PROTECTED TREES AS SHOWN ON THE PLANS TO REMAIN ARE TO BE PROTECTED DURING CONSTRUCTION. THE CONTRACTOR SHALL INSTALL ORANGE CONSTRUCTION FENCING AT THE DRIP LINE OF EACH PROTECTED TREE BEFORE WORKING IN THE VICINITY OF THE TREE.

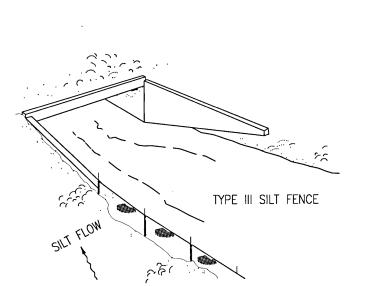
### TREE BARRICADE DETAIL N.T.S.

FILTER BAGS WILL BE USED AS AN EFFECTIVE FILTER MEDIUM TO CONTAIN SAND, SILT AND FINES WHEN TRENCH DEWATERING. THE WETLAND FILTER BAG CONTAINS THESE MATERIALS WHILE ALLOWING THE WATER TO FLOW THROUGH THE FABRIC.

WFTLAND FILTER BAGS MAY REPLACE HAY BALE CORRALS DURING TRENCH DEWATERING, AT THE DISCRETION OF THE ENGINEER INSPECTOR. TO INSURE PROPER INSTALLATION, FILTER BAGS WILL BE PLACED ON RELATIVELY FLAT TERRAIN FREE OF BRUSH AND STUMPS TO AVOID RUPTURES AND PUNCTURES. PROPER INSTALLATION REQUIRES CUTTING A SMALL HOLE IN THE CORNER OF THE BAG, INSERTING THE PUMP DISCHARGE HOSE, AND THEN SECURING THE DISCHARGE HOSE TO THE BAG WITH A HOSE CLAMP. FILTER BAGS WILL BE PLACED AS FAR AWAY FROM FLOWING STREAMS AND WETLANDS AS POSSIBLE.

PRIOR TO REMOVING A BAG FROM THE HOSE, THE BAG WILL BE TIED OFF BELOW THE END OF THE HOSE ALLOWING THE BAG TO DRAIN. DRAINAGE WILL NOT BE ALLOWED THROUGH THE INLET HOLE. TO AVOID RUPTURE, THE BAGS WILL BE ATTENDED AND PUMPING RATES MONITORED. ONCE THE BAG IS INFLATED TO A HEIGHT OF 4 FEET, PUMPING WILL STOP TO AVOID RUPTURE. FILTER BAGS USED DURING CONSTRUCTION WILL BE BUNDLED AND REMOVED FOR PROPER DISPOSAL.

FILTER BAGS ARE CONSTRUCTED OF NON-WOVEN GEOTEXTILE FABRIC. A MAXIMUM OF ONE SIX INCH DISCHARGE HOSE WILL BE ALLOWED PER FILTER BAG. BAG CAPACITY WILL BE EXCEEDED BEYOND 2,000 GALLONS PER MINUTE. TYPICAL BAG DIMENSIONS ARE 15 FEET BY 13.25 FEET. TO HELP PREVENT PUNCTURES, GEOTEXTILE FABRIC WILL BE PLACED BENEATH THE FILTER BAG WHEN USED IN WOODED LOCATIONS. UNATTENDED FILTER BAGS WILL BE ENCIRCLED WITH A HAY BALE OR SILT FENCE CORRAL. HOSE CLAMPS WILL BE USED TO SECURE THE DISCHARGE HOSE, WIRE OR STRING WILL NOT BE USED.



ANCHOR BALES WITH

(2)-2"X2"X4'-

TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES TOWARD THE TOE OF SLOPE

ELEVATION

GROUND SLOPES AWAY FROM THE TOE OF SLOPE

BARRIERS FOR FILL SLOPES

N.T.S.

PLAN VIEW

CROSS SECTION

FILTER BAG DETAIL FOR

TRENCH DEWATERING OPERATIONS

FILTER BAG-\

GROUND

SURFACE

TO BE USED AT SELECTED SITES WHERE THE NATURAL

ANCHOR BALES WITH

LOOSE SOIL PLACED BY

SHOVEL AND LIGHTLY

COMPACTED ALONG THE

UPSTREAM EDGE OF BALES.

-SET ON FILTER BAG

-HOSE CLAMP

HOSE

-HOSE CLAMP

-WOODEN STAKES

PUMP DISCHARGE

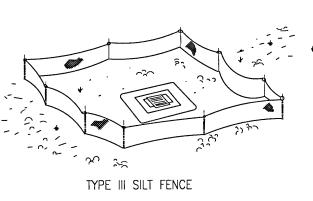
---WOODEN STAKES

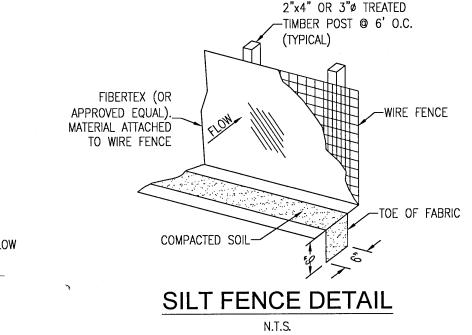
HOSE

PUMP DISCHARGE

STAKES PER BALE.

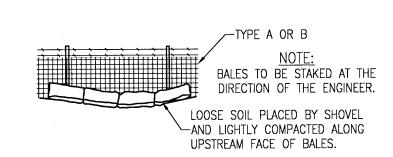
─(2)-2"X2"X4**'** 

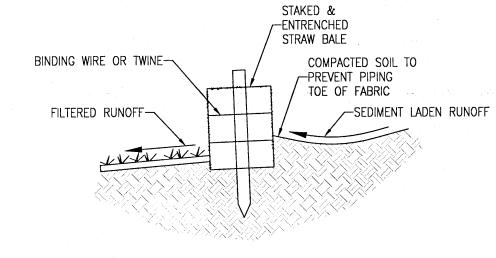




### AROUND DITCH BOTTOM INLETS SILT FENCE APPLICATIONS

DO NOT DEPLOY IN A MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.





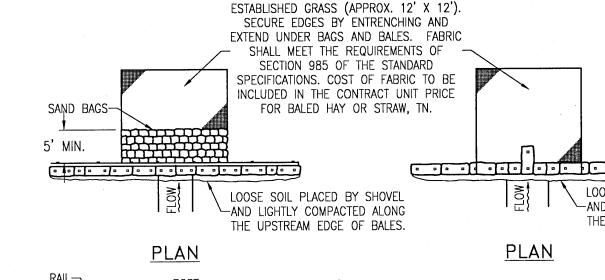
STRAW BALES BACKED BY FENCE

STRAW BALE DETAIL

LOOSE SOIL PLACED BY SHOVEL

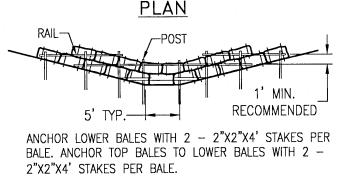
AND LIGHTLY COMPACTED ALONG

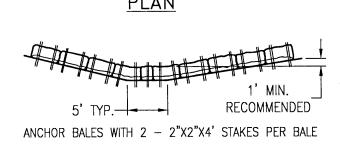
THE UPSTREAM EDGE OF BALES.



WOVEN FILTER FABRIC IN ABSENCE OF

TYPE III SILT FENCE

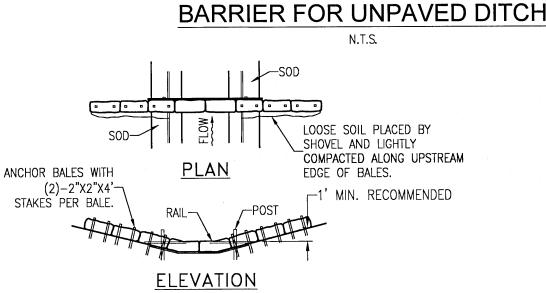




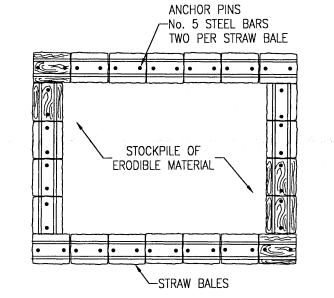
**ELEVATION** 

<u>ELEVATION</u> APPLICATION AND SPACING: THE USE OF TYPES I &

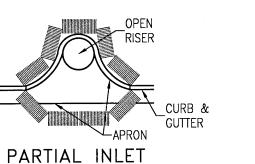
II BALE BARRIERS SHOULD BE LIMITED TO THE CONDITIONS OUTLINED IN CHART I, SHEET 1 OF 3, INDEX NO. 102 TYPE I TYPE I

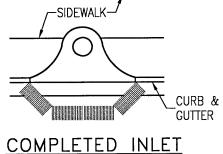


BALE BARRIERS FOR PAVED DITCHES SHOULD BE SPACED IN ACCORDANCE WITH CHART I, SHEET 1 OF 3, INDEX NO. 102 BARRIER FOR PAVED DITCH N.T.S.



MATERIAL STOCKPILE DETAIL N.T.S.





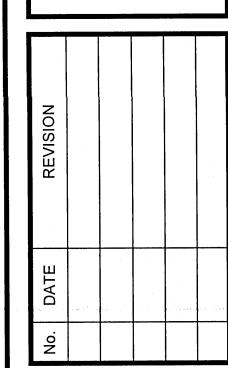
ANCHOR BALES WITH (2)-2"x2"x4' STAKES PER BALE.

DITCH BOTTOM INLET

PROTECTION AROUND INLETS OR SIMILAR STRUCTURES

ONTR O **EROSION** 

Phase a Phase Lot Standard Mile <del>C</del>P S 4 all



NOT FOR CONSTRUCTION JEREMY R. KING, P.E. No.76144

Dr. By: CBD Ck By: JRK Job No.: 2017.103 Date: 10/4/2021 DRAWING No.

### STORM WATER POLLUTION PREVENTION PLAN

### 1.0 BACKGROUND & REQUIREMENTS:

### 1.1 INTRODUCTION:

THE REFERENCED SUPPORT DOCUMENTATION FOR THIS STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY'S (EPA) STORM WATER MANAGEMENT FOR CONSTRUCTION ACTIVITIES, DEVELOPING POLLUTION PREVENTION PLANS AND BEST MANAGEMENT PRACTICES SUMMARY GUIDANCE (EPA 833-R-92-001) AND STORM WATER MANAGEMENT FOR CONSTRUCTION ACTIVITIES, DEVELOPING POLLUTION PREVENTION PLANS AND BEST MANAGEMENT PRACTICES (EPA 832-R-92-005). THIS SWPPP IS DESIGNED TO PROTECT ONSITE AND ADJACENT NATURAL RESOURCES, INCLUDING BUT NOT LIMITED TO, WETLANDS, MARSHES, BAYOUS AND BAYS, WHILE PRESERVING WILDLIFE AND ARCHEOLOGICAL RESOURCES.

AN ENVIRONMENTAL RESOURCE PERMIT APPLICATION WILL BE SUBMITTED TO THE NWFWMD JUNE 2018

### 1.2 NOTICE OF INTENT (NOI):

RULE 62-621.300(4), FAC REQUIRES THE CONSTRUCTION OPERATOR OF A SITE THAT DISTURBS ONE OR MORE ACRES TO OBTAIN COVERAGE FROM THE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR IS REQUIRED TO SUBMIT A NOTICE OF INTENT TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES (FDEP FORM 62-621.300(4)(B)) ALONG WITH THE APPROPRIATE APPLICATION FEE TO THE FOLLOWING ADDRESS 48 HOURS PRIOR TO COMMENCING CONSTRUCTION:

> NPDES STORMWATER NOTICES CENTER, MS # 2510 FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION 2600 BLAIR STONE ROAD TALLAHASSEE, FLORIDA 32399-2400

THIS FORM CAN BE OBTAINED FROM FDEP'S WEBSITE (WWW.DEP.STATE.FL.US) OR BY CONTACTING FDEP. PLEASE NOTE THAT THE CURRENT APPLICATION FEE IS \$300; HOWEVER, THIS FEE IS SUBJECT TO CHANGE WITHOUT NOTICE. ALWAYS REFER TO THE MOST CURRENT VERSION OF RULE 62-4.050(4)(D), FAC TO CONFIRM THE AMOUNT BEFORE SUBMITTING PAYMENT. IF CONSTRUCTION ACTIVITY EXCEEDS FIVE YEARS, THE CONTRACTOR MUST RE-APPLY FOR COVERAGE.

### 1.3 STORMWATER POLLUTION PREVENTION PLAN (SWPPP):

THE CONTRACTOR IS REQUIRED TO CERTIFY THIS STORMWATER POLLUTION PREVENTION PLAN (SWPPP) BELOW PRIOR TO SUBMITTING THE NOI. THIS SWPPP IS NOT REQUIRED TO BE SUBMITTED WITH THE NOI, BUT IS REQUIRED TO BE KEPT ON SITE DURING ALL PHASES OF CONSTRUCTION. BECAUSE EROSION AND SEDIMENT CONTROLS AND CONSTRUCTION METHODS VARY SIGNIFICANTLY FROM CONTRACTOR TO CONTRACTOR, THE CONTRACTOR CAN PROPOSE ALTERNATIVE METHODS TO THIS SWPPP THAT ARE EQUAL OR BETTER AT CONTROLLING EROSION AND SEDIMENTATION. AT A MINIMUM, THE CONTRACTOR MUST FOLLOW THE EROSION CONTROL PLAN SPECIFIED IN THE CONSTRUCTION PLANS AND DOCUMENTS. ANY MODIFICATIONS TO THIS SWPPP MUST BE DOCUMENTED AND KEPT WITH THE PLAN AS PART OF THE RECORDS KEEPING PROCESS TO BE IN FULL COMPLIANCE WITH THE CGP.

### 1.4 CONTRACTOR'S / SUBCONTRACTOR CERTIFICATION:

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STROMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

PRINT & SIGN NAME	COMPANY & ADDRESS
NAME & TITLE (PRINT)	

### 1.5 RESPONSIBLE AUTHORITY CERTIFICATION:

SIGNATURE DATE

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

PRINT & SIGN NAME	COMPANY & ADDRESS
NAME & TITLE (PRINT)	

### 1.6 NOTICE OF TERMINATION (NOT):

THE CONTRACTOR IS REQUIRED TO SUBMIT A NOTICE OF TERMINATION OF GENERIC PERMIT COVERAGE (FDEP FORM 62-621.300(6)) UPON CONSTRUCTION COMPLETION TO DISCONTINUE PERMIT COVERAGE. THE NOT IS TO BE SUBMITTED TO THE FOLLOWING ADDRESS:

NPDES STORMWATER NOTICES CENTER, MS # 2510 FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION 2600 BLAIR STONE ROAD TALLAHASSEE, FLORIDA 32399-2400

THIS FORM CAN BE OBTAINED FROM FDEP'S WEBSITE (WWW.DEP.STATE.FL.US) OR BY CONTACTING FDEP. THE NOT CAN NOT BE SUBMITTED UNTIL ALL DISTURBED SOILS AT THE CONSTRUCTION SITE HAVE BEEN FINALLY STABILIZED AND TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN REMOVED OR WILL BE REMOVED AT AN APPROPRIATE TIME. FINAL STABILIZATION MEANS THAT ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND THAT A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70 PERCENT OF THE COVER FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES HAS BEEN ESTABLISHED. OR EQUIVALENT STABILIZATION MEASURES HAVE BEEN EMPLOYED. IF CONSTRUCTION ACTIVITY EXCEEDS FIVE YEARS, THE CONTRACTOR MUST RE-APPLY FOR COVERAGE.

### 1.7 APPLICATION INFORMATION:

NINE MILE ROAD PROJECT ADDRESS: PENSACOLA, FL 32526

LATITUDE: N 30.528982° LONGITUDE: W 87.335724°

NORTHWEST FLORIDA (NWFWMD) WATER MANAGEMENT DISTRICT:

MS4 OPERATOR NAME: ESCAMBIA COUNTY ELEVEN MILE CREEK RECEIVING WATER NAME:

### 2.0 SITE DESCRIPTION:

### 2.1 NATURE OF CONSTRUCTION ACTIVITIES:

THIS PROJECT INVOLVES THE CONSTRUCTION OF A PHASED RESIDENTIAL AND COMMERCIAL SUBDIVISION. CONSTRUCTION INCLUDES ROADS, UTILITIES AND STORMWATER COLLECTION

### 2.2 SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

THE FOLLOWING SEQUENCE OF MAJOR ACTIVITIES SHALL BE FOLLOWED UNLESS THE CONTRACTOR CAN PROPOSE AN ALTERNATIVE THAT IS EQUAL TO OR BETTER AT CONTROLLING EROSION AND SEDIMENTATION. THE DETAILED SEQUENCE FOR THE ENTIRE PROJECT CAN VARY SIGNIFICANTLY FROM CONTRACTOR TO CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING ANY CHANGES.

- 1. CLEAR, GRUB AND PERFORM ALL DEMOLITION WORK.
- 2. COMPLETE ROUGH GRADING OF THE POND AND DIRECT ALL STORMWATER RUNOFF TO THE POND(S).
- 3. CONSTRUCT ALL UNDERGROUND UTILITIES AND STORM DRAIN SYSTEM.
- 4. CONSTRUCT ROADS (SUBGRADE, CURB & GUTTER, BASE, PAVEMENT, SIDEWALKS, AND LANDSCAPING).
- 5. COMPLETE STORMWATER PONDS.

### 2.3 AREA ESTIMATES:

ONSITE AREA:	8.49 ACRES
OFFSITE AREA:	1.73 ACRES
TOTAL AREA:	10.22 ACRES
AREA TO BE DISTURBED:	4.50 ACRES

### 2.4 RUNOFF DATA:

RUNOFF COEFFICIENTS (C):

TOTAL COMPOSITE C = 0.20VARIES BETWEEN = 0.20 AND 0.61 TOTAL COMPOSITE = 0.61AFTER:

SOILS DATA: THE SOILS LOCATED AT THE SITE ARE PREDOMINATELY VERY LOOSE TO LOOSE SLIGHTLY SILTY SANDS. GROUNDWATER WAS NOT ENCOUNTERED IN THE 15 FT TO 20 FT DEEP TEST BORING. FOR MORE DETAILED SOILS INFORMATION, REFER TO THE GEOTECHNICAL SERVICES REPORT PREPARED BY UNIVERSAL ENGINEERING SERVICES.

DRAINAGE AREAS FOR EACH OUTFALL:

TOTAL AREA FLOWING TO POND(S) OUTFALL LOCATION

### 2.5 SITE MAP:

THE CONSTRUCTION PLANS ARE TO BE USED AS THE SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW. THE SHEET NUMBERS FOR ALL THE ITEMS DISCUSSED BELOW ARE IDENTIFIED ON THE KEY SHEET OF THE CONSTRUCTION PLANS.

- DRAINAGE PATTERNS: ALL DRAINAGE PATTERNS ARE SHOWN ON THE GRADING & DRAINAGE PLANS.
- APPROXIMATE SLOPES: APPROXIMATE SLOPES ARE SHOWN ON THE GRADING & DRAINAGE POND SIDE SLOPES ARE SHOWN ON THE POND CROSS-SECTIONS.
- AREAS OF SOIL DISTURBANCE: ALL DEMOLITION IS SHOWN ON THE EXISTING SITE CONDITIONS AND DEMOLITION AND EROSION CONTROL PLAN SHEET. ALL PROPOSED CONSTRUCTION IS SHOWN ON THE REMAINING PLANS. ANY AREAS WHERE DEMOLITION WORK OR PERMANENT FEATURES ARE SHOWN ABOVE OR BELOW GROUND WILL BE
- AREAS NOT TO BE DISTURBED: ANY AREAS NOT SHOWING DEMOLITION WORK OR PERMANENT FEATURES ARE ASSUMED NOT TO BE DISTURBED. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO INDICATE ON THE PLANS ANY OF THESE AREAS THAT DO GET DISTURBED AS WELL AS ANY AREAS USED FOR STAGING AND MATERIALS STORAGE.
- LOCATIONS OF CONTROLS: ALL PROPOSED TEMPORARY CONTROLS AND EXISTING PERMANENT CONTROLS ARE SHOWN ON THE EXISTING SITE, DEMOLITION AND EROSION CONTROL PLAN. ALL PROPOSED PERMANENT CONTROLS ARE SHOWN ON THE REMAINING PLANS. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO INDICATE THE LOCATION OF ANY OTHER CONTROLS ON THE PLANS THAT ARE USED DURING CONSTRUCTION.
- PERMANENT STABILIZATION IS SHOWN ON THE PLANS. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO INDICATE THE LOCATION ON THE PLANS OF ALL TEMPORARY STABILIZATION PRACTICES USED DURING CONSTRUCTION.
- SURFACE WATERS: N/A
- DISCHARGE POINTS: ONSITE WETLANDS WITH ULTIMATE DISCHARGE TO ELEVEN MILE CREEK

### 2.6 RECEIVING WATERS:

EVENTUAL OUTFALL TO PERDIDO BAY

### 3.0 CONTROLS:

### 3.1 EROSION AND SEDIMENT CONTROLS:

ALL EROSION AND SEDIMENT CONTROLS SPECIFIED ON THE DEMOLITION AND EROSION CONTROL PLAN SHEETS, AND THE EROSION CONTROL DETAILS SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION OR DEMOLITION. SILT FENCING AND STAKED HAY BALES SHALL BE INSTALLED ALONG DOWN-GRADIENT LIMITS.

TEMPORARY SEEDING AND MULCHING SHALL BE APPLIED AFTER 14-DAY INTERVALS OF CEASED DISTURBANCE ACTIVITIES THAT WILL EXCEED 20-DAY PERIODS. GRADED AREAS SHALL BE STABILIZED WITH PERMANENT SEEDING, MULCHING, AND FERTILIZING, OR SODDING WITHIN FIVE DAYS OF FINAL GRADING, LANDSCAPING, INCLUDING SODDING, SHALL BE INSTALLED BY AN EXPERIENCED LANDSCAPE CONTRACTOR. PROPOSED DISTURBED AREAS WILL NOT EXCEED 8 ACRES IN ANY DRAINAGE AREA.

### 3.2 STORMWATER MANAGEMENT:

PROPOSED STORMWATER MANAGEMENT FACILITIES FOR THIS SITE INCLUDE: A DRY RETENTION POND FOR THE ENTIRE PROPERTY.

THE PROPOSED STORMWATER MANAGEMENT FACILITIES MEET ALL STORMWATER TREATMENT REQUIREMENTS AND ALL RATE CONTROL REQUIREMENTS SET FORTH BY THE LOCAL AND STATE REGULATORY AGENCIES.

### 3.3 OTHER CONTROLS:

WASTE DISPOSAL: THE CONTRACTOR IS RESPONSIBLE FOR ALL WASTE DISPOSAL FROM THE SITE. THE CONTRACTOR SHALL EMPLOY WASTE DISPOSAL PRACTICES THAT MEET ALL LOCAL, STATE, AND FEDERAL GUIDELINES AND PREVENT DISCHARGE OF SOLID MATERIALS TO WATERS OF THE UNITED STATES. THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP.

OFFSITE VEHICLE TRACKING: IF OFF SITE TRACKING OF SEDIMENTS BY CONSTRUCTION VEHICLES OCCURS, THE CONTRACTOR IS REQUIRED TO INSTALL A SOIL TRACKING PREVENTION DEVICE (STPD) AS PER FDOT STANDARD INDEX 106 AT ALL EXITS TO THE SITE WHERE SEDIMENT TRACKING IS OCCURRING. THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP.

HAZARDOUS MATERIALS: ALL POLLUTANTS AND HAZARDOUS MATERIALS INCLUDING BUT NOT LIMITED TO FERTILIZERS, HERBICIDES, PESTICIDES, SOLVENTS, OILS AND OIL FILTERS, PETROLEUM PRODUCTS, PAINT, AND EQUIPMENT MAINTENANCE FLUIDS, SHALL BE STORED INDOORS OR UNDER COVER IN AREAS WITH SECONDARY CONTAINMENT. SECONDARY CONTAINMENT PREVENTS A SPILL FROM SPREADING ACROSS THE SITE AND INCLUDES DIKES, BERMS, CURBING, OR OTHER CONTAINMENT METHODS. HAZARDOUS MATERIAL STORAGE AREAS SHALL BE INSPECTED WEEKLY AND AFTER STORM EVENTS. STORAGE AREAS SHALL BE KEPT CLEAN, WELL ORGANIZED, AND FOUIPPED WITH AMPLE CLEANUP SUPPLIES/SPILL KITS AS APPROPRIATE FOR THE MATERIALS BEING STORED. MATERIAL SAFETY DATA SHEETS, MATERIAL INVENTORY, AND EMERGENCY CONTACT INFORMATION SHALL BE MAINTAINED ON-SITE. ALL PERSONNEL SHALL RECEIVE INSTRUCTION REGARDING PROPER PROCEDURES FOR HAZARDOUS MATERIAL HANDLING AND DISPOSAL. HAZARDOUS MATERIALS SHALL NOT BE DISPOSED OF INTO ON-SITE DUMPSTERS; HAZARDOUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, AND MUNICIPAL REGULATIONS. VEHICLES AND FOUIPMENT WILL BE MAINTAINED OFF-SITE. ALL VEHICLES AND EQUIPMENT INCLUDING SUBCONTRACTOR VEHICLES WILL BE CHECKED FOR LEAKING OIL AND FLUIDS. VEHICLES LEAKING FLUIDS WILL NOT BE ALLOWED ON-SITE. DRIP PANS SHALL BE PLACED UNDER ALL VEHICLES AND EQUIPMENT THAT ARE PARKED OVERNIGHT.

APPLICATION OF FERTILIZERS, HERBICIDES, AND PESTICIDES: FERTILIZERS, HERBICIDES, AND PESTICIDES SHALL BE DELIVERED TO THE SITE IN ORIGINAL, UNOPENED CONTAINERS BEARING MANUFACTURER'S CHEMICAL ANALYSIS, NAME, TRADE NAME, TRADEMARK, AND INDICATION OF CONFORMANCE TO STATE AND FEDERAL LAWS. FERTILIZERS, HERBICIDES, AND PESTICIDES SHALL BE IN APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S SUGGESTED

### 5.0 INSPECTIONS:

QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS, BUT NOT LIMITED TO, AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.25 INCHES OR GREATER. WHERE SITES HAVE BEEN FINALLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH.

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

### 6.0 NON-STORMWATER DISCHARGES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING ANY HAZARDOUS SUBSTANCE SPILLS THAT MAY EQUAL OR EXCEED A REPORTABLE QUANTITY (RQ). REFER TO EPA'S LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES (EPA 40 CFR 302.4 & 117). V THIS LIST CAN BE OBTAINED FROM EPA'S WEBSITE (WWW.EPA.GO ) OR BY CONTACTING EPA. IF AN RQ RELEASE DOES OCCUR THE CONTRACTOR SHALL PERFORM THE FOLLOWING

- NOTIFY THE NATIONAL RESPONSE CENTER IMMEDIATELY AT 800-424-8802.
- PROVIDE WRITTEN DESCRIPTION OF THE RELEASE WITHIN 14 DAYS PROVIDING DATES, CAUSE AND PREVENTION METHODS TO THE REGIONAL EPA OFFICE.
- MODIFY THE SWPPP AS NECESSARY TO ADDRESS ADDED PREVENTION METHODS.

### 7.0 IMPLEMENTATION CHECKLIST:

### 7.1 RECORDS:

THE CONTRACTOR SHALL MAINTAIN RECORDS OF CONSTRUCTION ACTIVITIES INCLUDING, BUT NOT LIMITED TO:

- DATES WHEN MAJOR GRADING ACTIVITIES OCCUR.
- DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY CEASE ON A PORTION OF THE SITE. DATES WHEN CONSTRUCTION ACTIVITIES PERMANENTLY CEASE ON A
- PORTION OF THE SITE.

DATES WHEN STABILIZATION MEASURES ARE INITIATED ON THE SITE.

### 7.2 INSPECTION REPORTS:

THE CONTRACTOR SHALL PREPARE INSPECTION REPORTS SUMMARIZING THE FOLLOWING, BUT NOT LIMITED TO:

- NAME OF INSPECTOR.
- QUALIFICATIONS OF INSPECTOR.
- MEASURES/AREAS INSPECTED. OBSERVED CONDITIONS.
- CHANGES NECESSARY TO THE SWPPP.

### 7.3 RELEASES OF REPORTABLE QUANTITIES OF OIL OR HAZARDOUS MATERIALS:

THE CONTRACTOR SHALL REPORT ANY RELEASES OF REPORTABLE QUANTITIES OF OIL OR HAZARDOUS MATERIALS IF THEY OCCUR AS PER THE MEASURES OUTLINED IN SECTION 6.0 OF THE SWPPP.

### 7.4 SWPPP MODIFICATION:

- THE CONTRACTOR SHALL MODIFY THE SWPPP AS NECESSARY TO:
- COMPLY WITH MINIMUM PERMIT REQUIREMENTS WHEN NOTIFIED BY FDEP THAT THE PLAN DOES NOT COMPLY. ADDRESS ANY CHANGES IN DESIGN, CONSTRUCTION OPERATIONS OR MAINTENANCE, WHICH HAS AN EFFECT ON THE POTENTIAL FOR
- PREVENT REOCCURRENCE OF REPORTABLE QUANTITY RELEASES OF HAZARDOUS MATERIAL OR OIL.

### 8.0 TERMINATION CHECKLIST:

DISCHARGE OF POLLUTANTS.

THE FOLLOWING ITEMS SHALL BE COMPLETE BEFORE SUBMITTING THE NOT:

- ALL SOIL DISTURBING ACTIVITIES ARE COMPLETE.
- TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN REMOVED OR WILL BE REMOVED AT AN APPROPRIATE TIME. ALL AREAS OF THE CONSTRUCTION SITE NOT OTHERWISE COVERED BY PERMANENT PAVEMENT OR STRUCTURE HAVE BEEN STABILIZED WITH UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70% OR EQUIVALENT MEASURES HAVE BEEN EMPLOYED.

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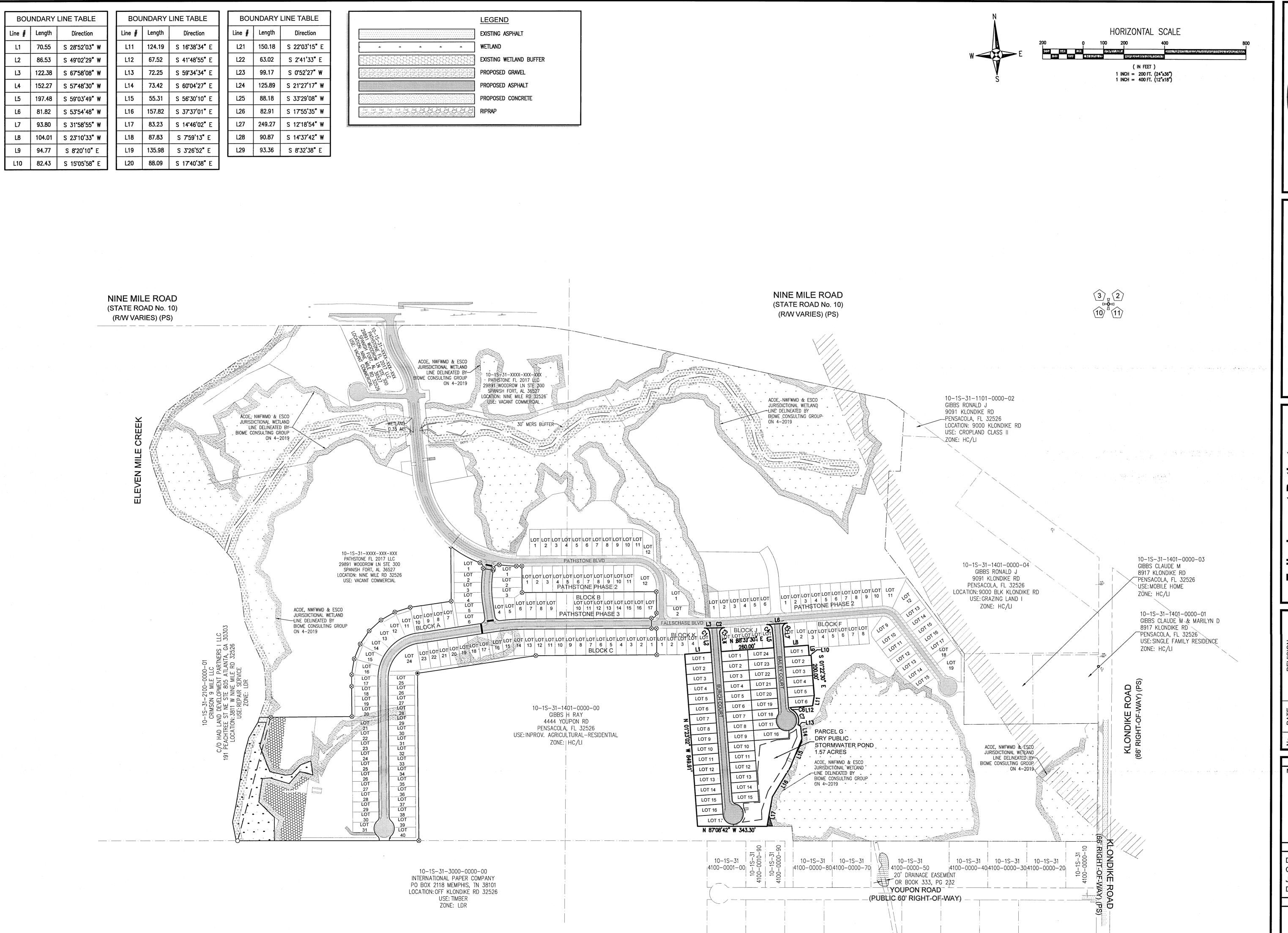
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NOT FOR CONSTRUCTION STATE OF JEREMY RIKING P.E. //// No.76144

Dr. By: CBD Ck By: JRK Job No.: 2017.103 Date: 10/4/2021

DRAWING No.



REBOL-BATTLE & ASSOCIACivil Engineers and Surveyors
2301 N. Ninth Avenue, Suite 300
Pensacola, Florida 32503
Telephone 850.438.0408
EB 00009657

OVERALL SITE LAYOUT

Fallschase at Pathstone
Phase 4
A 47 Lot Subdivision
9 Mile Road
ESCAMBIA COUNTY, FLORIDA

No. DATE REVISION

SEAL
NOT FOR CONSTRUCTION

TO 444

TO 101

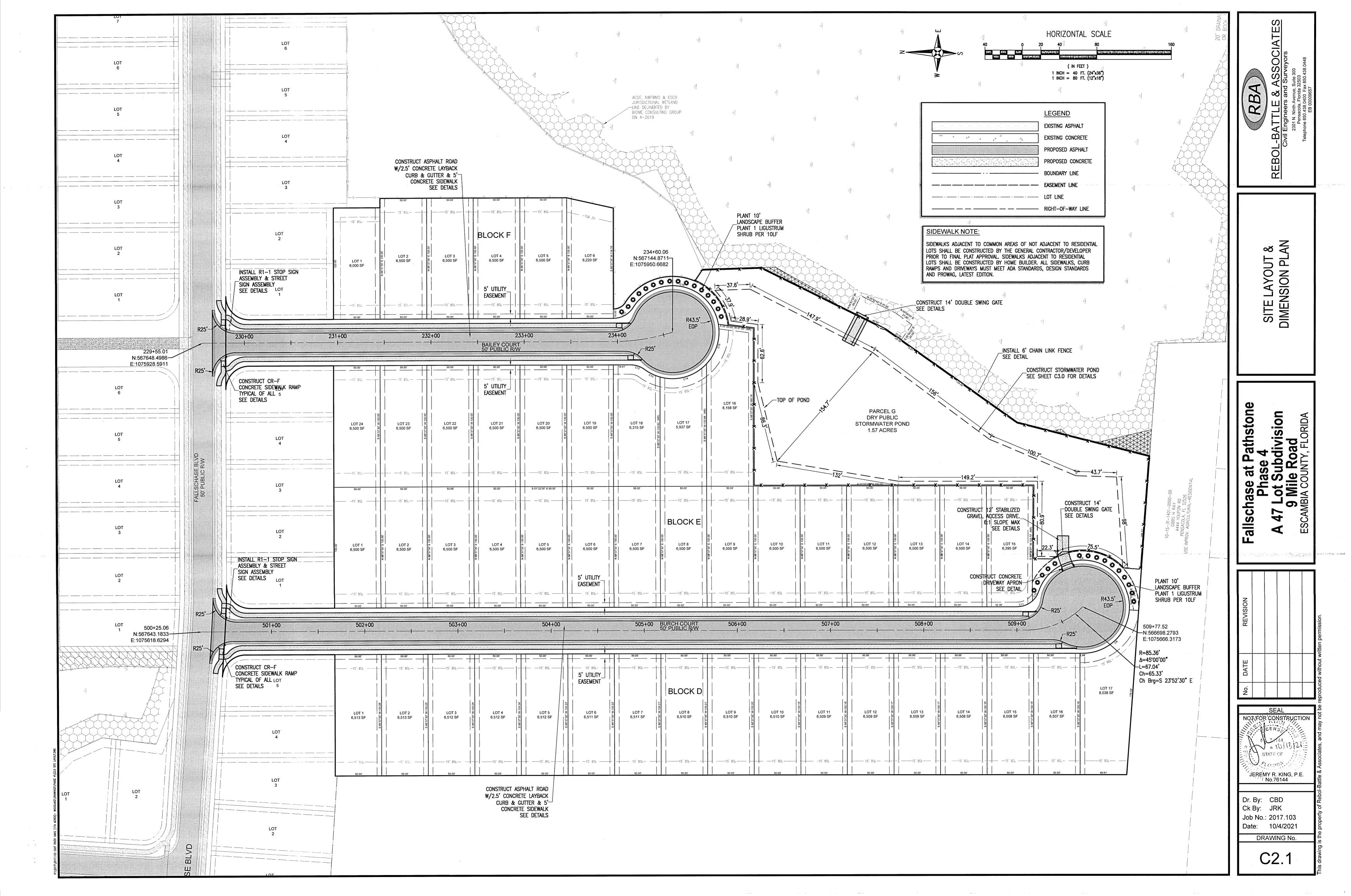
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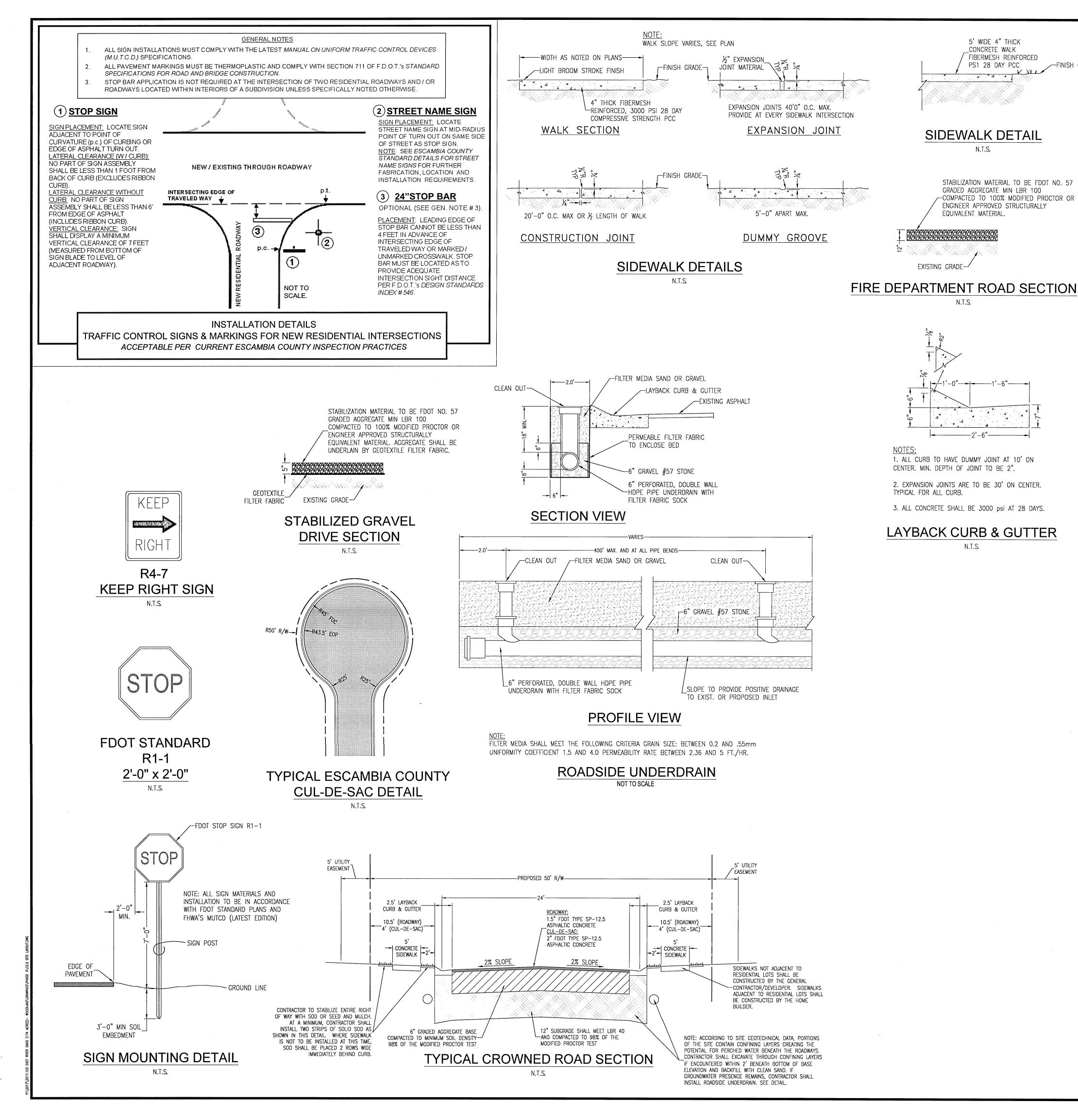
JEREMY R. KING, P.E.
No.76144

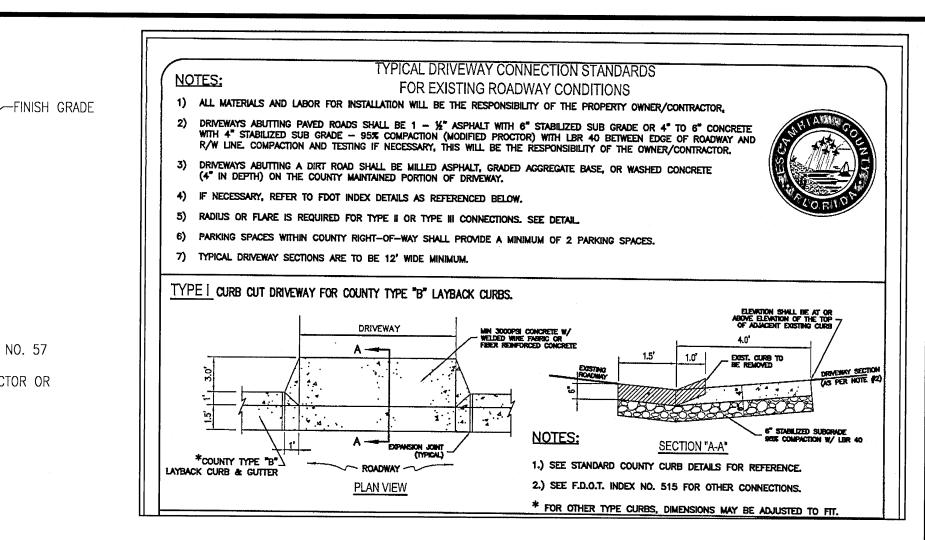
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Ck By: JRK
Job No.: 2017.103
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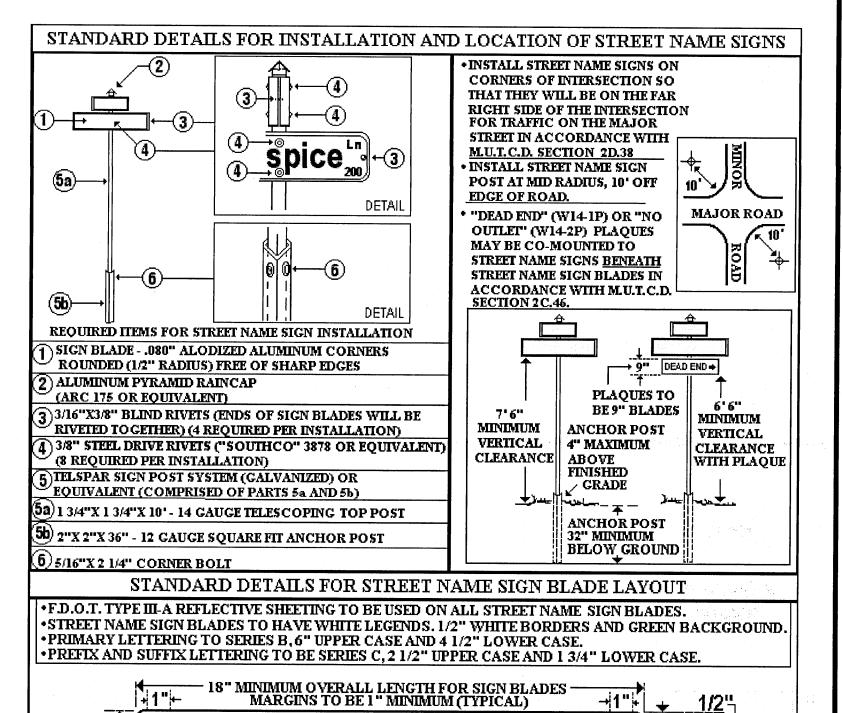
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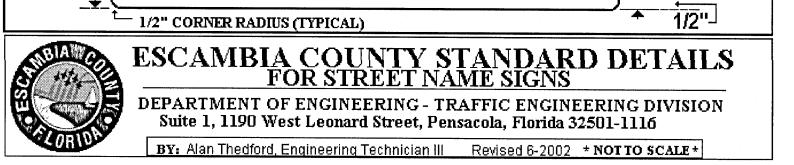
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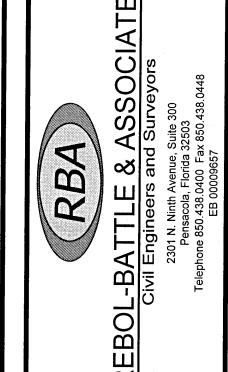








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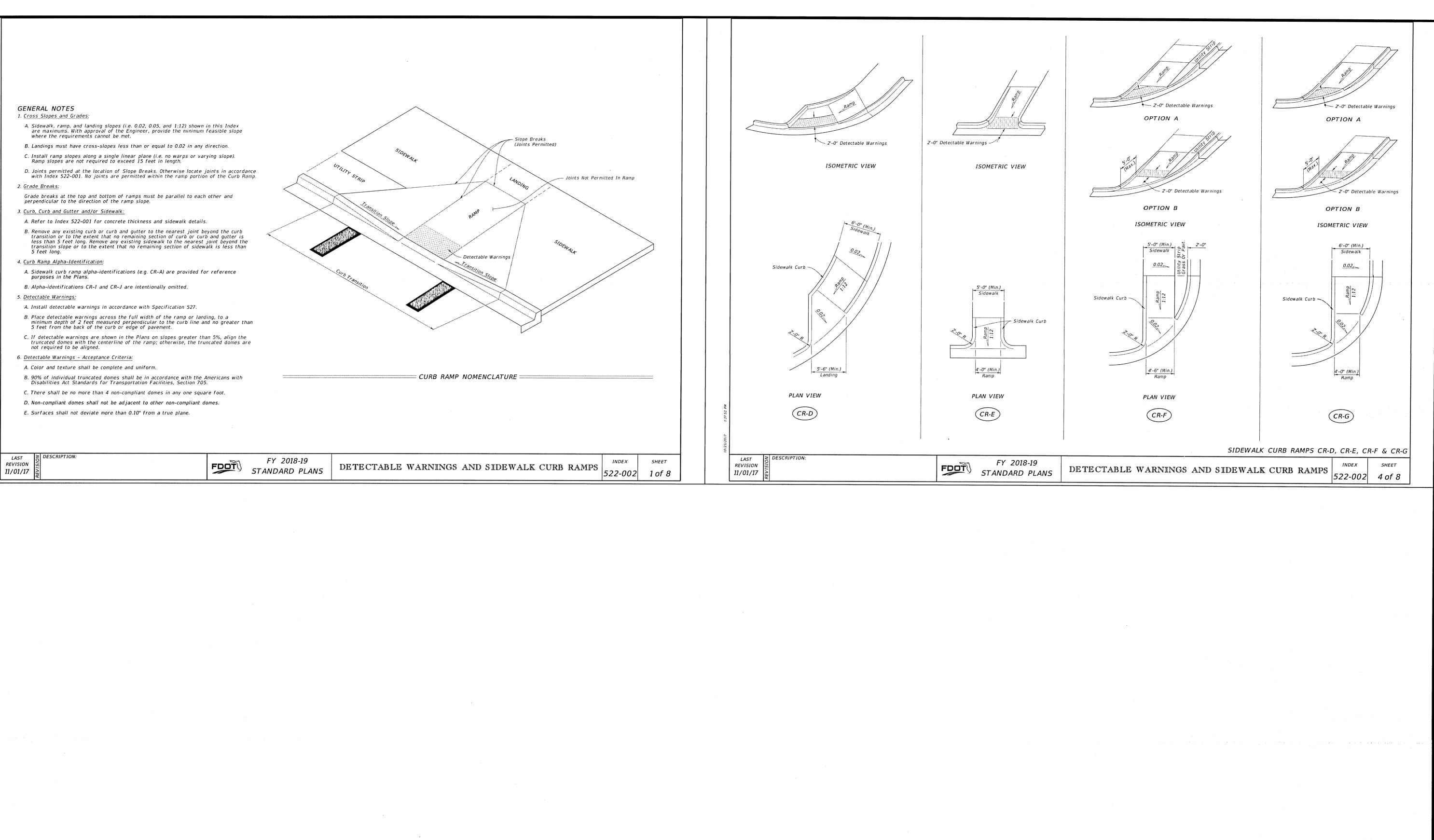
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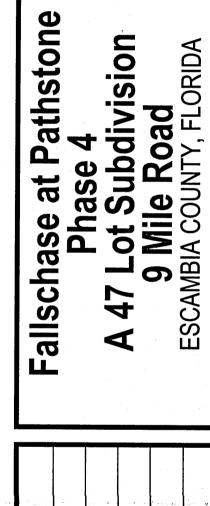
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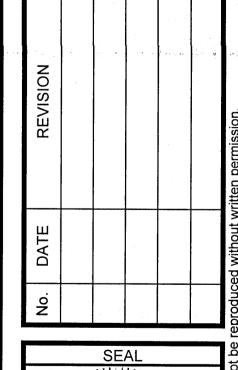
JEREMY R. KING, P.E. 1//// No.76144 Dr. By: CBD

Ck By: JRK Job No.: 2017.103 Date: 10/4/2021

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Dr. By: CBD Ck By: JRK Job No.: 2017.103 Date: 10/4/2021

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8. A HEALTHY GROWTH OF GRASS WITHIN DISTURBED RIGHT-OF-WAY AREAS IS REQUIRED

CONSTRAINTS EXIST DURING THE FINAL PLAT APPROVAL AND ACCEPTANCE PROCESS, A

PRIOR TO COUNTY APPROVAL/ACCEPTANCE ( RIGHT-OF-WAY TO REMAIN PRIVATE). IF TIME

TO FDEP/NWFWMD.

ALLOWED WITHOUT PRIOR APPROVAL FROM BOTH THE DESIGN ENGINEER AND THE ESCAMBIA COUNTY. ANY DEVIATIONS MAY RESULT IN DELAYS IN COUNTY ACCEPTANCE OF IMPROVEMENTS. 11. THE CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS-BUILT" CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING, ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO COUNTY ACCEPTANCE OF

CARRY ALL STORMWATER TO RETENTION/DETENTION AREAS.

12. ALL ASPECTS OF THE STORMWATER/DRAINAGE COMPONENTS AND/OR TRANSPORTATION COMPONENTS SHALL BE COMPLETED PRIOR TO REQUESTING A FINAL INSPECTION.

9. ALL NEW BUILDING ROOF DRAINS, DOWN SPOUTS, OR GUTTERS SHALL BE ROUTED TO

10. NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE

13. THE OWNER OR HIS AGENT SHALL ARRANGE/SCHEDULE WITH THE COUNTY A FINAL INSPECTION OF THE DEVELOPMENT UPON COMPLETION AND ANY INTERMEDIATE INSPECTIONS (595-3434). AS-BUILT CERTIFICATION IS REQUIRED PRIOR TO REQUEST FOR FINAL INSPECTION/APPROVAL.

14. THE PROJECT ENGINEER SHALL PROVIDE TO ESCAMBIA COUNTY "AS-BUILT" RECORD DRAWINGS FOR VERIFICATION AND APPROVAL BY ESCAMBIA COUNTY ONE WEEK PRIOR TO REQUESTING A FINAL INSPECTION AND CERTIFICATE OF OCCUPANCY, OR PROVIDE "AS-BUILT" CERTIFICATION THAT THE PROJECT CONSTRUCTION ADHERES TO THE PERMITTED PLANS AND SPECIFICATIONS. THE "AS-BUILT" CERTIFICATION OR THE "AS-BUILT" RECORD DRAWINGS MUST BE SIGNED, SEALED AND DATED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER

15. THE OWNER/CONTRACTOR SHALL COORDINATE ANY ANTICIPATED COMMENCEMENT OF CONSTRUCTION WITH THE ENGINEER OF RECORD. AT LEAST 48 HOURS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING THE CONSTRUCTION COMMENCEMENT NOTICE FORM 62-330.350(1).

16. UPON SUBSTANTIAL COMPLETION, THE OWNER/CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD. THE ENGINEER OF RECORD IS RESPONSIBLE FOR INSPECTION OF THE PERMITTED FACILITY FOR COMPLIANCE WITH THE APPROVED PERMIT. THE ENGINEER

THE OWNER, AS IN ACCORDANCE WITH THE APPROVED PERMIT. 18. ELECTRIC/PHONE/CABLE/GAS STRUCTURES INSTALLED WITHIN DRAINAGE ACCESS

17. THE OPERATION AND MAINTENANCE OF THE FACILITY WILL BE THE RESPONSIBILITY OF

EASEMENTS SHALL BE LOCATED ALONG THE BOUNDARY OF THE EASEMENT TO MAXIMIZE CLEAR ACCESS FOR MAINTENANCE EQUIPMENT.

19. MINIMUM ONE (1) FOOT GROUND COVER IS REQUIRED FOR ALL UNDERGROUND PIPES.

20. RIGHT-OF-WAY SHOULDER STABILIZATION SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

21. CONTRACTOR SHALL NOTIFY EOR OF ANY PERCHED GROUNDWATER ENCOUNTERED ON SITE. THE PRESENCE OF PERCHED GROUNDWATER MAY NECESSITATE THE INSTALLATION OF ROADSIDE UNDERDRAINS.

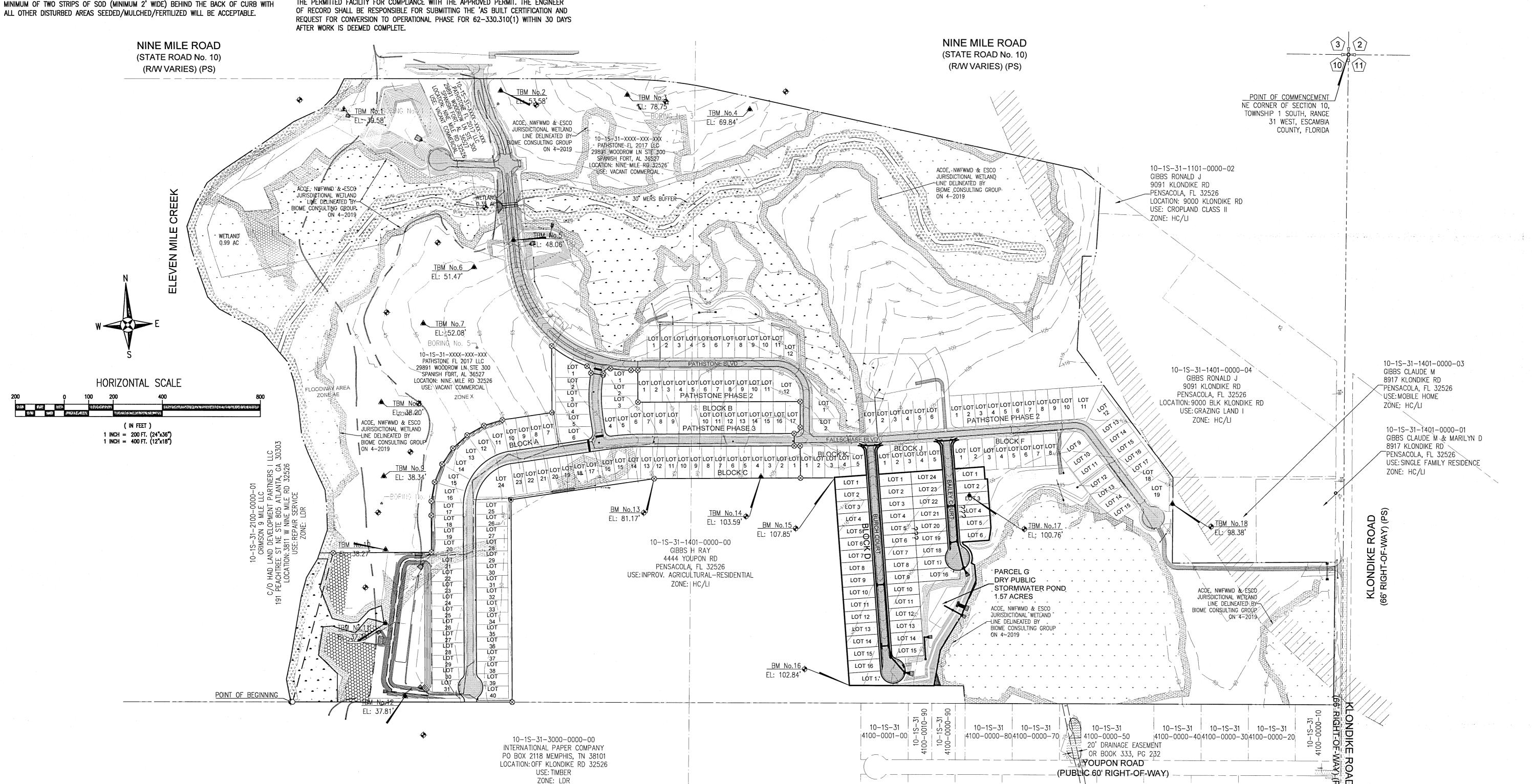
22. CONTRACTOR SHALL INSTALL UNDERDRAINS TO INTERCEPT PERCHED GROUNDWATER ENTERING PONDS THROUGH THE SIDE SLOPES. IN THE EVENT A STABILIZED PERMANENT GROUNDWATER TABLE IS ENCOUNTERED DURING POND EXCAVATION, THE CONTRACTOR SHALL NOTIFY EOR AND A MODIFICATION TO POND DESIGN SHALL BE SUBMITTED TO THE

23. RETAINING WALLS SHOWN ARE TO BE DESIGNED BY OTHERS. THE CONTRACTOR SHALL OBTAIN BUILDING INSPECTION DEPARTMENT'S PERMIT(S) FOR ANY RETAINING WALL HIGHER THAN 2 FEET.

24. WORK PROPOSED NEXT TO THE R/W WITH EXISTING SWALE SYSTEMS MAY REQUIRE ADDITIONAL PROVISIONS TO REPAIR/RESTORE EXISTING DRAINAGE SWALES AS NEEDED TO ENSURE ADEQUATE DRAINAGE. R/W SHOULDER STABILIZATION SHOULD BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST

POINT CHART					
POINT #	DESCRIPTION	NORTHING	EASTING	ELEVATION	
BM NO.15	2" DIA ROUND CONC MONUMENT	567494.7602	1075466.8797	107.85'	
BM NO.16	2" DIA ROUND CONC MONUMENT	566647.1295	1075487.3576	102.84'	
TBM NO.1	nail and disk set	569087.2640	1073545.7589	39.58'	
TBM NO.2	nail and disk set	569131.7534	1074186.1723	53.58'	
TBM NO.3	nail and disk set	569089.9764	1074699.3937	78.75'	
TBM NO.4	nail and disk set	569007.1169	1075193.4876	69.84'	
TBM NO.5	nail and disk set	568520.4502	1074210.0787	48.06'	
TBM NO.6	nail and disk set	568418.3549	1074044.2635	51.47'	
TBM NO.7	nail and disk set	568200.3382	1073827.6523	52.08'	
TBM NO.8	nail and disk set	567888.8848	1073642.0017	38.20'	
TBM NO.9	nail and disk set	567588.9969	1073635.9906	38.34'	
TBM NO.10	nail and disk set	567289.1126	1073628.4113	38.27'	
TBM NO.11	nail and disk set	566988.8665	1073613.9182	37.79'	
TBM NO.12	nail and disk set	566688.8390	1073679.3039	37.81'	
TBM NO.14	nail and disk set	567513.0250	1075167.6580	103.59'	
TBM NO.17	NAIL AND DISK SET	567397.5930	1076011.5910	100.76	
TBM NO.18	nail and disk set	567325.0055	1076834.4346	98.38'	

	LEGEND
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	EXISTING GRAVEL
	EXISTING DIRT
	PROPOSED ASPHALT
	PROPOSED CONCRETE
	WATER
ate she she she	WETLAND
	25' WETLAND BUFFER
	ADDITIONAL WETLAND BUFFER
	30' MERS BUFFER
100	- EXISTING CONTOUR
100	- PROPOSED CONTOUR
•	BENCHMARK
<b>~►</b>	FLOW ARROW
<b>-</b> ─ 100.00	PROPOSED SPOT ELEVATION



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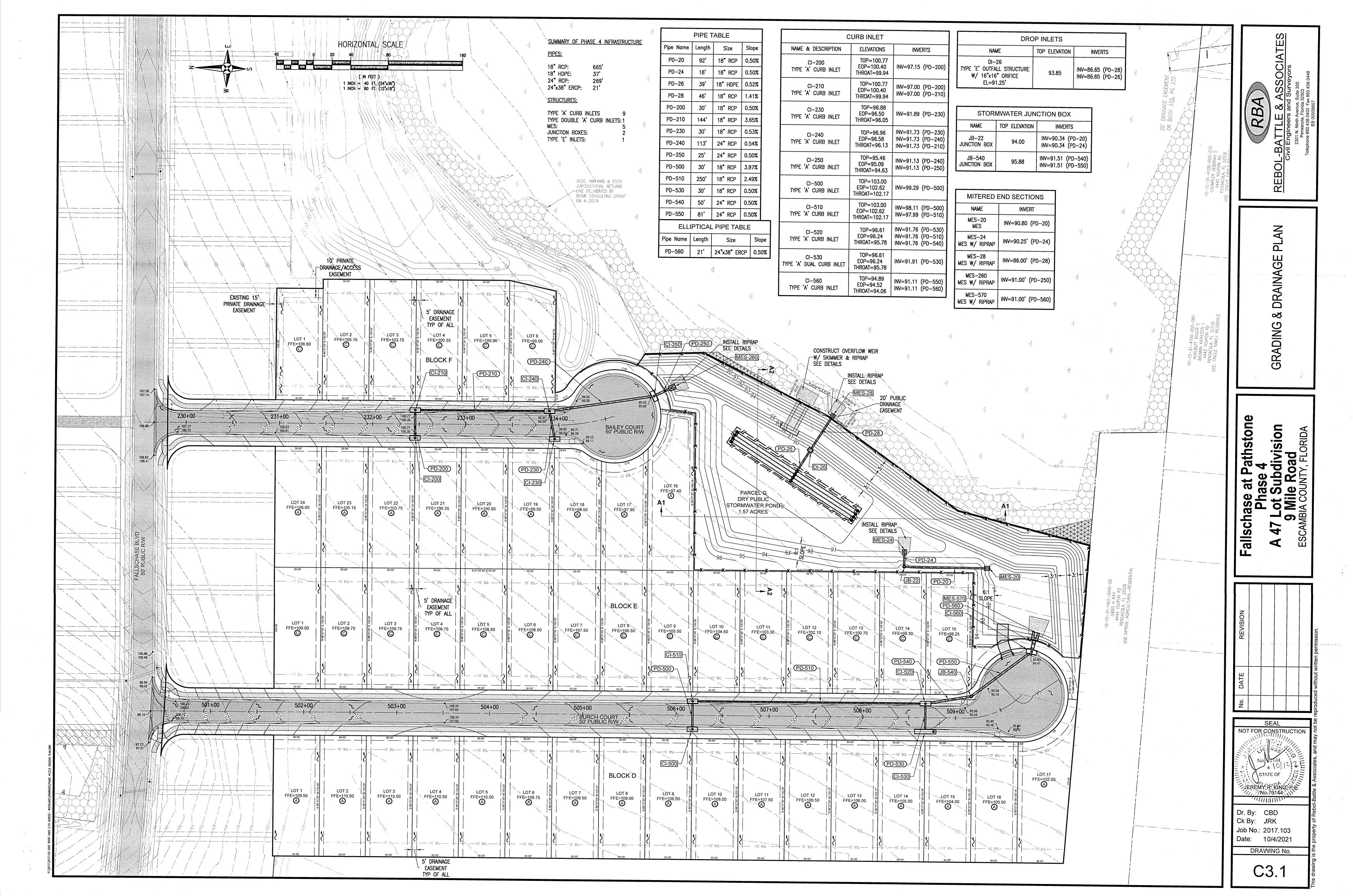
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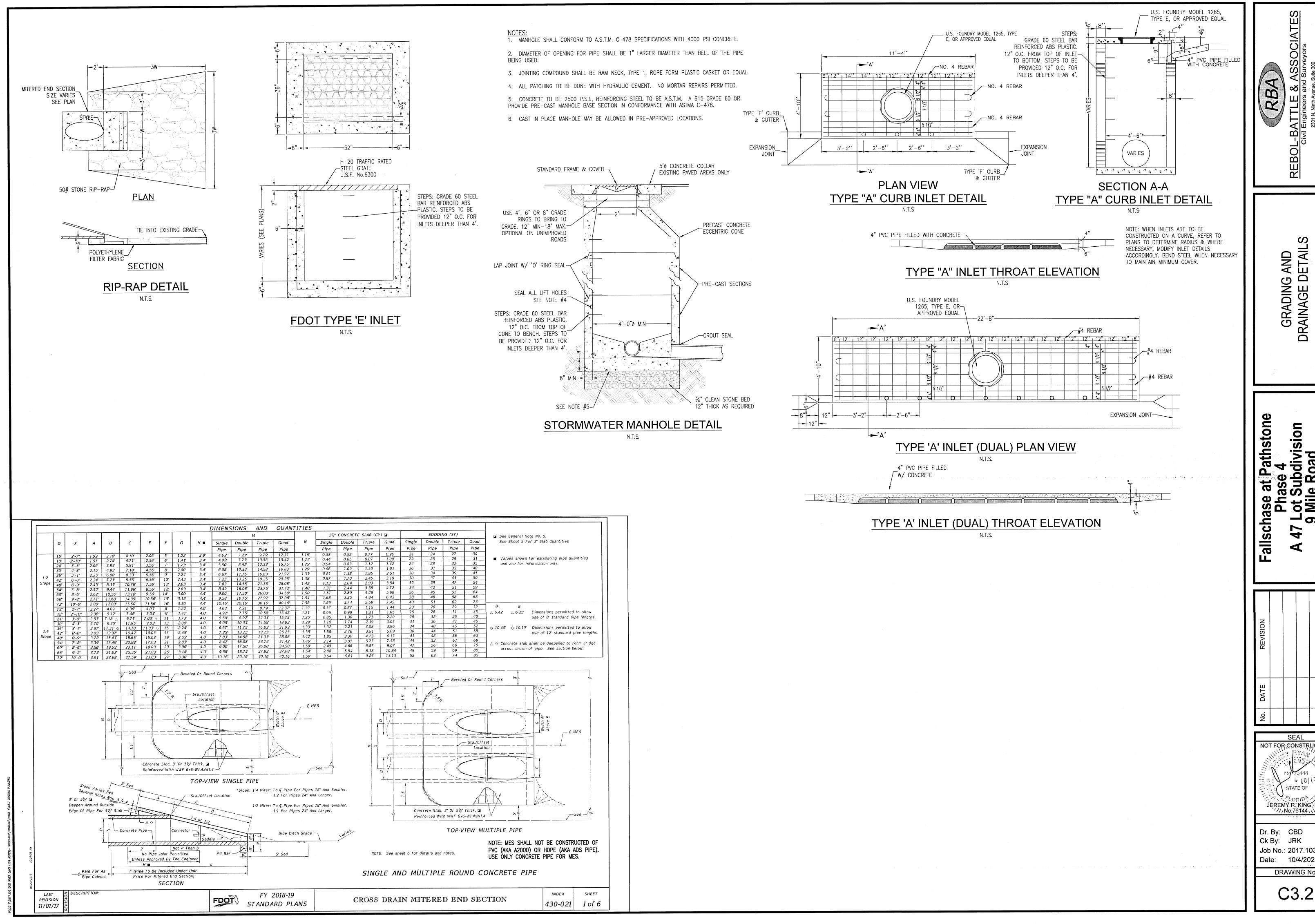
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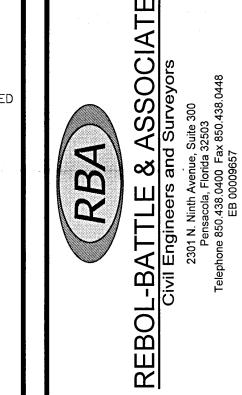
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JEREMY R. KING, P.E. /// No.76144\\ Dr. By: CBD Ck By: JRK Job No.: 2017.103 Date: 10/4/2021 DRAWING No.

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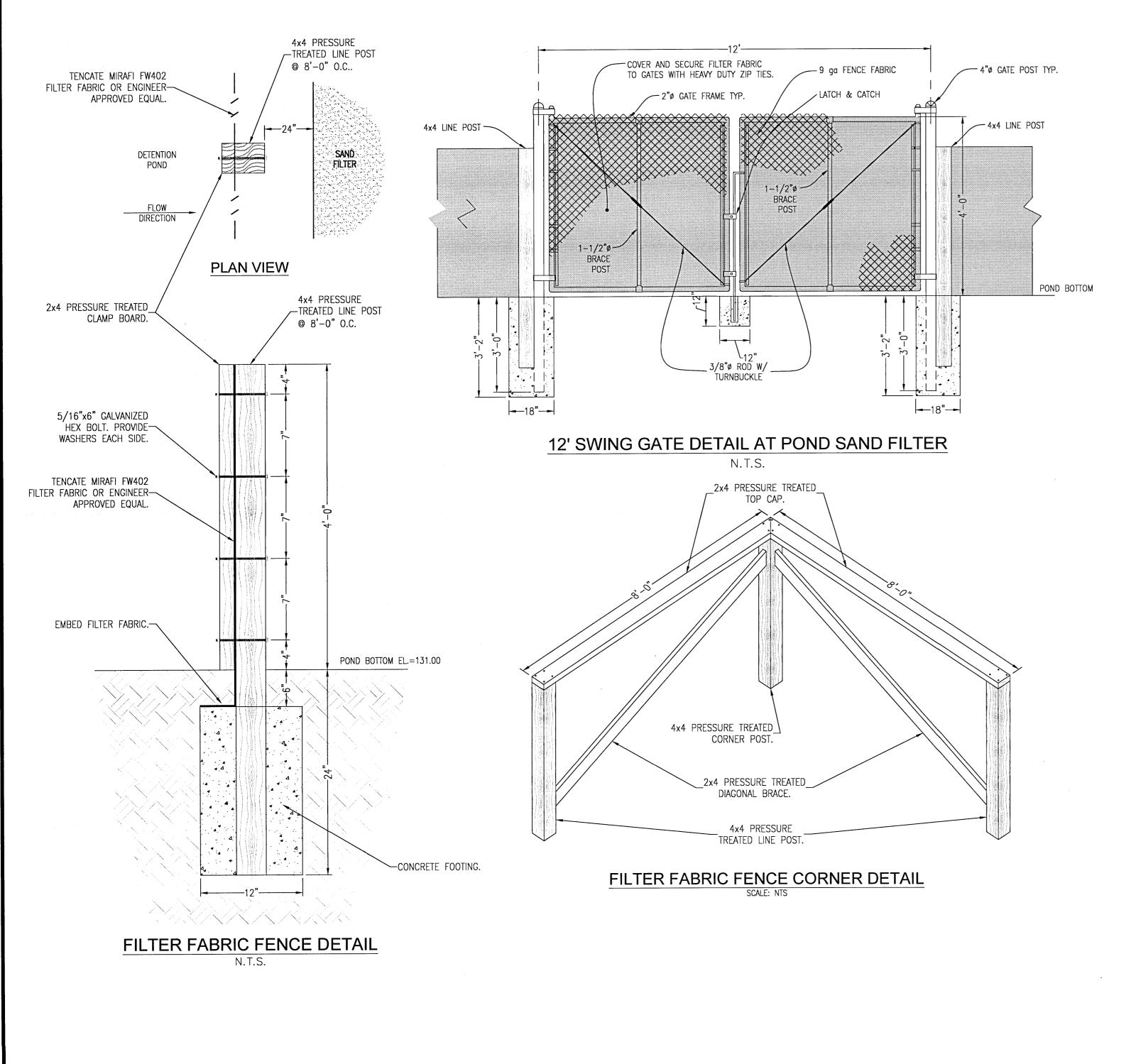


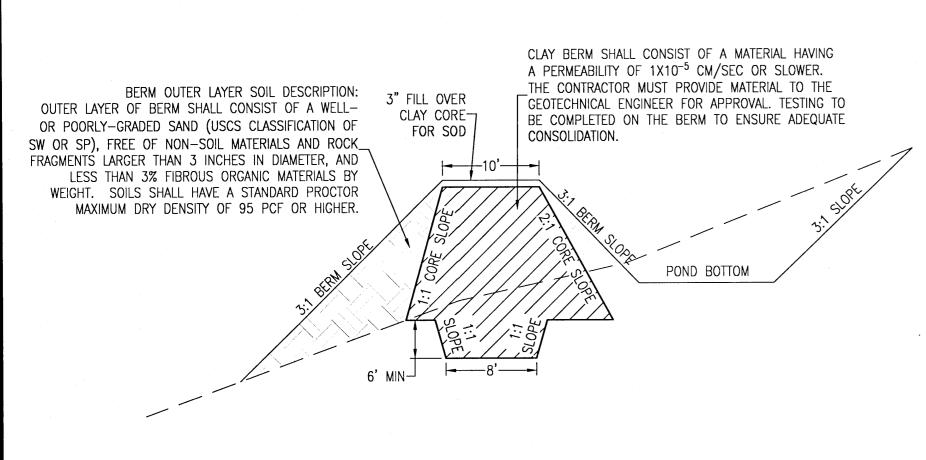


GRADING AND DRAINAGE DETAILS

Fallschase at Phase A 47 Lot Sul 9 Mile FESCAMBIA COUN

SEAL NOT FOR CONSTRUCTION STATE OF JEREMY R-KING P.E '///No.76144\\\ Dr. By: CBD Ck By: JRK Job No.: 2017.103 Date: 10/4/2021 DRAWING No.



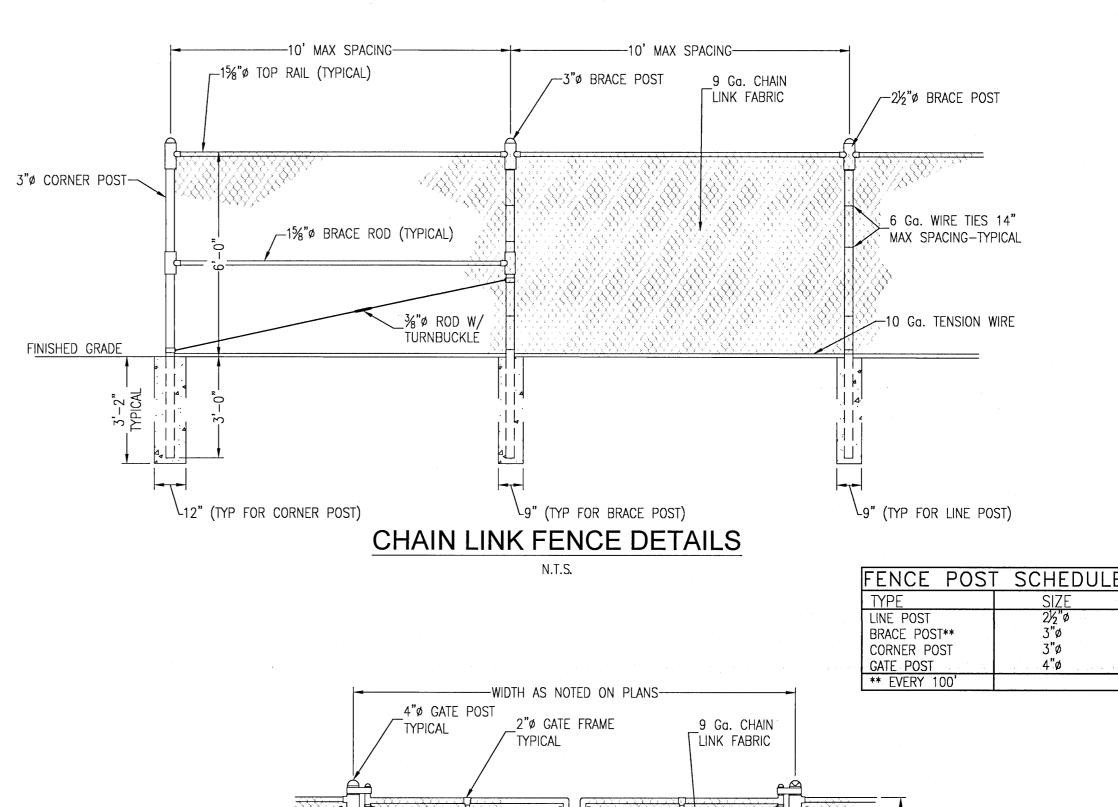


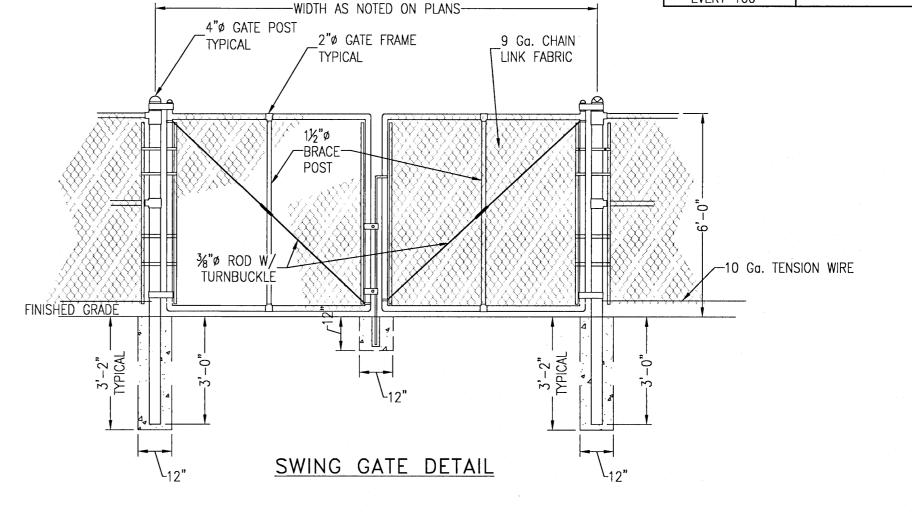
BERM CORE DETAIL

SCALE: NTS

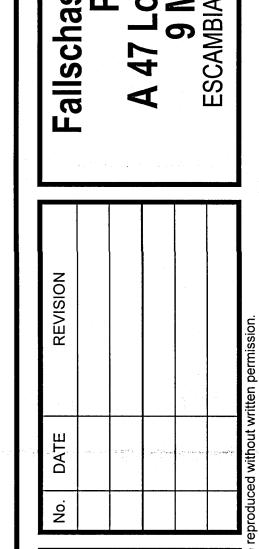
### **BERM NOTES**:

- 1. CLAY CORE TO BE INSTALLED IN ALL POND BERMS. THE TOP OF THE CORE SHALL EXTEND TO THE TOP ELEVATION INDICATED ON THE SECTIONS.
- 2. PRIOR TO FILL PLACEMENT AGAINST EXISTING SLOPES, LOOSE SURFICIAL MATERIALS SHOULD BE REMOVED, AND THE SLOPE SHOULD BE BENCHED OR STEPPED TO PROVIDE HORIZONTAL BENCHES FOR COMPACTION, AND TO REDUCE THE POSSIBLE MOVEMENT OF SOIL ALONG THE
- 3. AFTER COMPLETION OF SUBGRADE PREPARATION AS DESCRIBED IN #2, STRUCTURAL FILL CAN BE PLACED TO BRING THE SITE TO FINAL GRADE. STRUCTURAL FILL SHOULD BE PLACED IN LAYERS NOT EXCEEDING 8 INCHES IN THICKNESS WHEN LOOSE AND SHOULD BE COMPACTED TO A MINIMUM SOIL DENSITY OF AT LEAST 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D-698). WHERE PORTABLE HAND EQUIPMENT IS REQUIRED, MAXIMUM LIFT THICKNESS SHOULD BE 4 INCHES LOOSE MEASURE. SOIL MOISTURE CONTENT SHOULD BE MAINTAINED WITHIN -2 TO +3 PERCENT OF THE OPTIMUM MOISTURE CONTENT. SCARIFICATION AND BENCHING OF FILL MATERIALS COULD BE REQUIRED TO ADEQUATELY BOND THE FILL MATERIALS TO THE EXISTING SOILS.
- 4. PRIOR TO PROCEEDING WITH CONSTRUCTION OPERATIONS, THE ENTIRE DAM FOOTPRINT SHOULD BE STRIPPED OF SURFACE AND NEAR SURFACE DEBRIS. IT IS RECOMMENDED THAT CLEARING AND STRIPPING OPERATIONS EXTEND BEYOND THE DOWNSLOPE TOE OF THE NEW DAM SECTION, IF ADJACENT WETLANDS DO NOT LIMIT CONSTRUCTION. THIS OPERATION SHOULD CONSIST OF COMPLETE REMOVAL AND WASTING OF TREES, TOPSOIL, ROOT SYSTEMS, LOOSE SEDIMENT DEPOSITS, AND OTHER NON-SOIL MATERIALS.
- 5. COORDINATION OF THE SITE AND SUBGRADE PREPARATION WITH THE GEOTECHNICAL ENGINEER DURING BERM CONSTRUCTION IS REQUIRED. THE GEOTECHNICAL ENGINEER WILL MAKE FIELD DECISIONS SHOULD PROBLEMS ARISE IN SPECIFIC AREAS CONCERNING UNDERCUTTING, GROUNDWATER CONTROL, SUBGRADE STABILIZATION AND OTHER REMEDIAL TECHNIQUES. ALL SUBGRADE AREAS SHOULD BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO FILL PLACEMENT.





CHAIN LINK FENCE DETAILS



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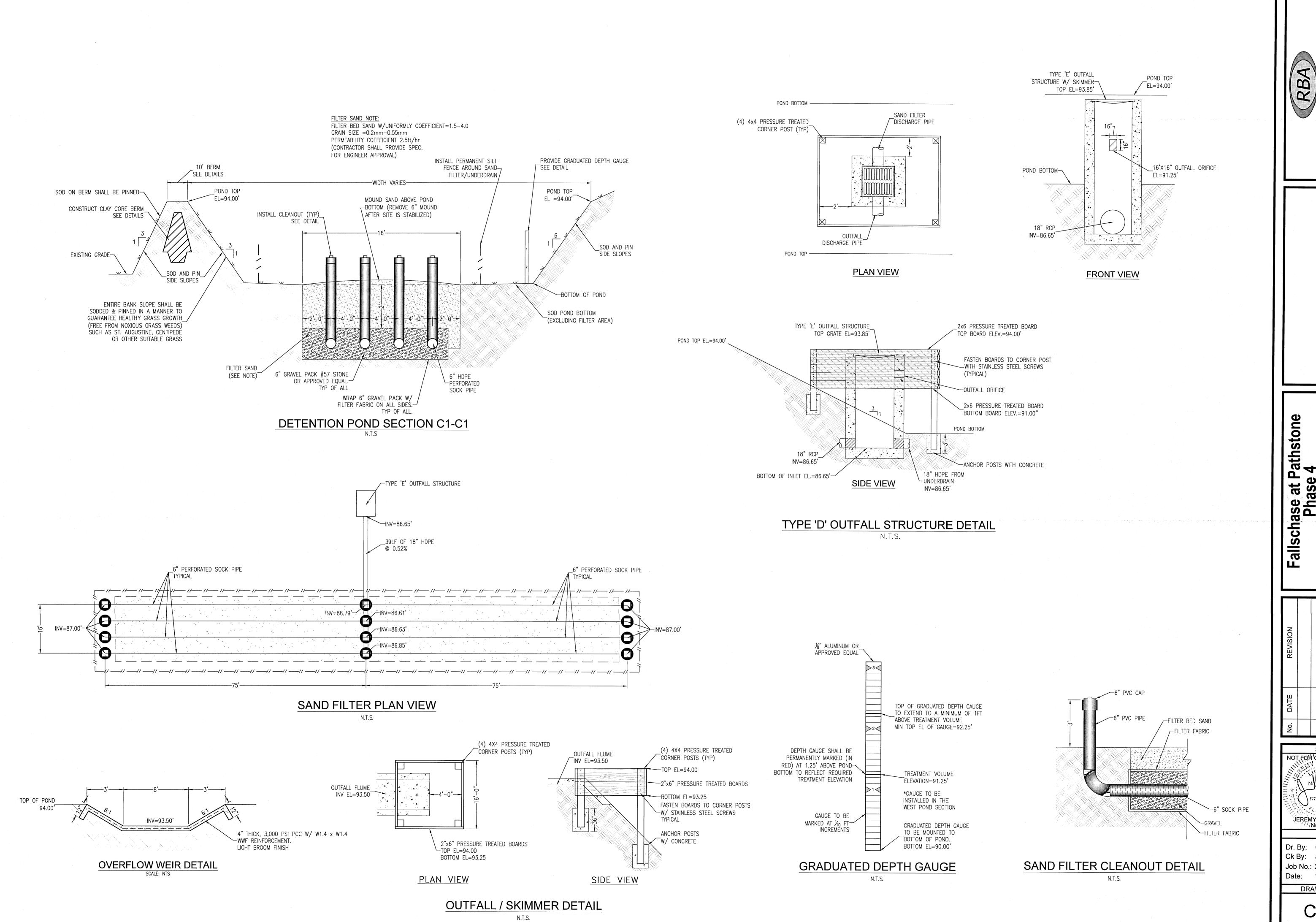
GRADING AND DRAINAGE DETAILS

athstone

SEAL  NOT FOR CONSTRUCTION  NOT FOR CONSTRUCTION  NOT 144  * (013)  STATE OF  JEREMY R. KING, P.E.  No. 76144	-	
Number 144 (0113/24) ************************************	-	SEAL
		No. 144 * 10113121 STATE OF

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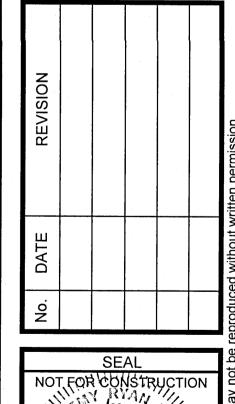
Dr. By: CBD Ck By: JRK Job No.: 2017.103 Date: 10/4/2021 DRAWING No.



REBOL-BA

**DETAILS**  $\bar{c}$ POND

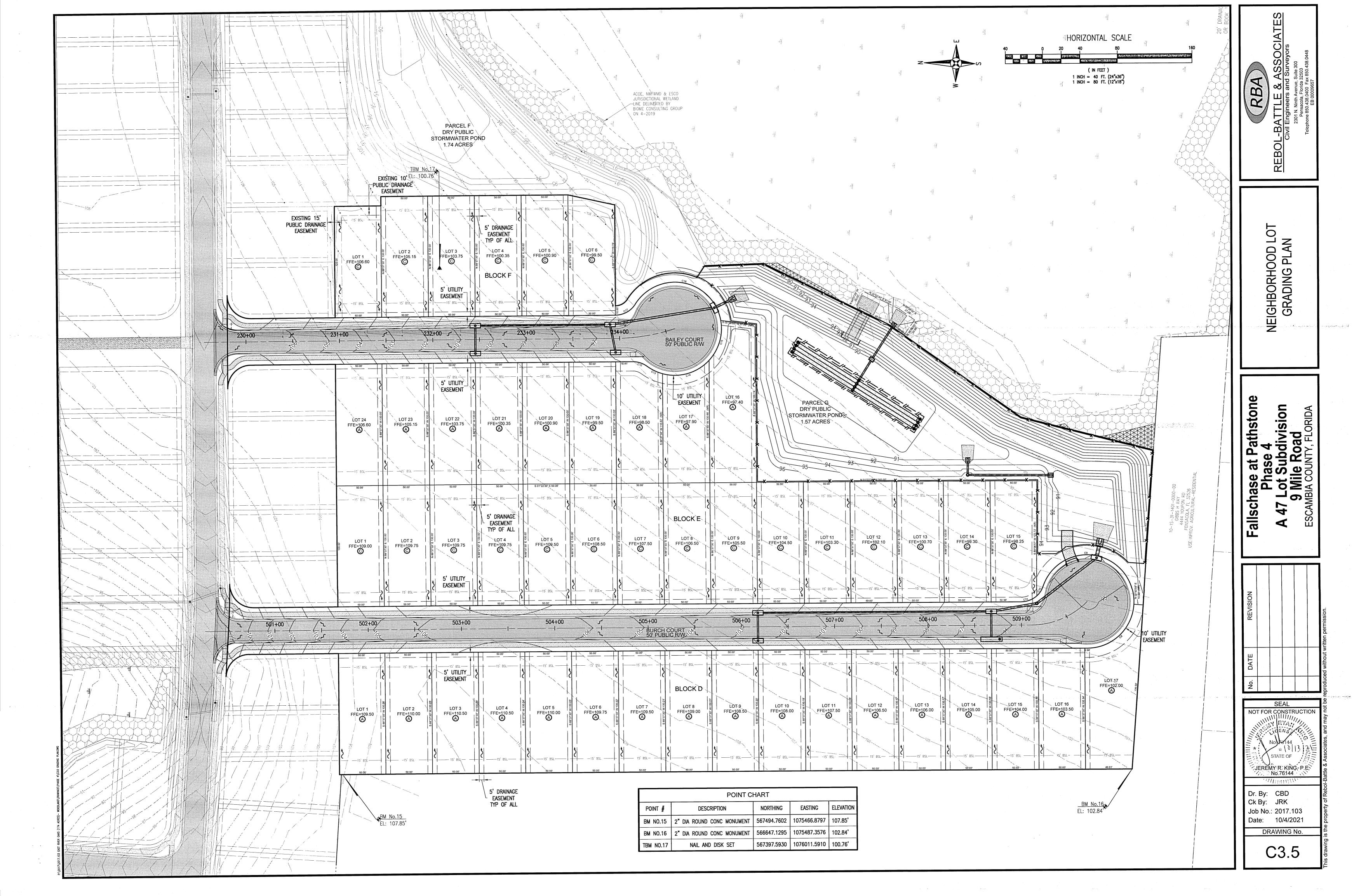
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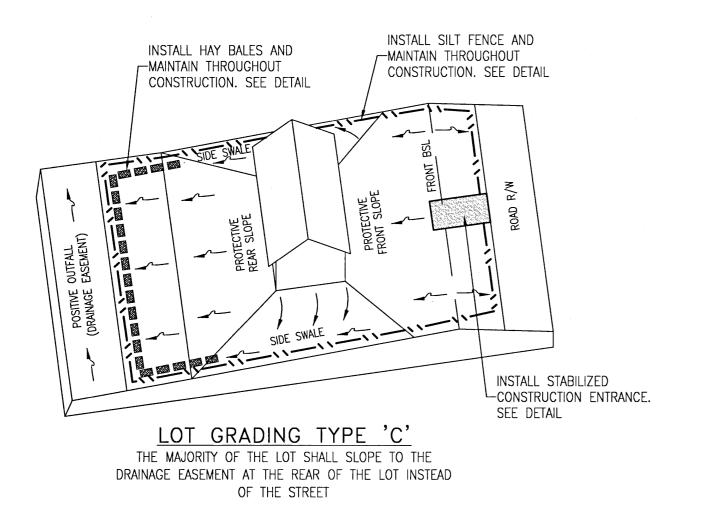


JEREMY R. KING, P.E.

Dr. By: CBD Ck By: JRK Job No.: 2017.103 Date: 10/4/2021 DRAWING No.

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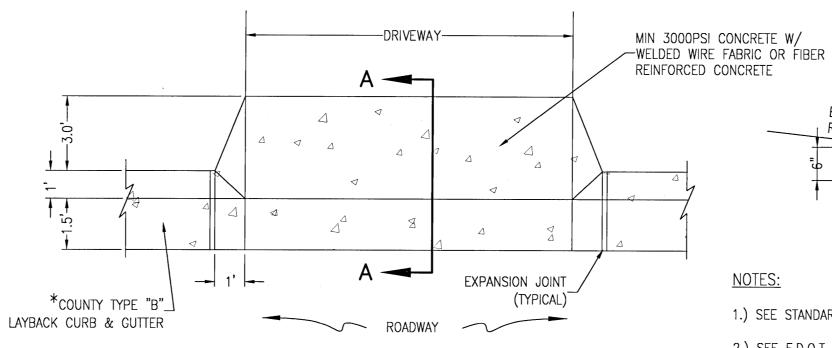
NOTE: VARIATIONS IN GRADING ARE ACCEPTABLE IF GRADING DRAINS TO A POSITIVE OUTFALL.

### NOTES:

- 1) ALL MATERIALS AND LABOR FOR INSTALLATION WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNER/CONTRACTOR.
- 2) DRIVEWAYS ABUTTING PAVED ROADS SHALL BE 1 1/2" ASPHALT WITH 6" STABILIZED SUB GRADE OR 4" TO 6" CONCRETE WITH 4" STABILIZED SUB GRADE - 95% COMPACTION (MODIFIED PROCTOR) WITH LBR 40 BETWEEN EDGE OF ROADWAY AND R/W LINE. COMPACTION AND TESTING IF NECESSARY, THIS WILL BE THE RESPONSIBILITY OF THE OWNER/CONTRACTOR.
- 3) DRIVEWAYS ABUTTING A DIRT ROAD SHALL BE MILLED ASPHALT, GRADED AGGREGATE BASE, OR WASHED CONCRETE (4" IN DEPTH) ON THE COUNTY MAINTAINED PORTION OF DRIVEWAY.
- 4) IF NECESSARY, REFER TO FDOT INDEX DETAILS AS REFERENCED BELOW.
- 5) RADIUS OR FLARE IS REQUIRED FOR TYPE II OR TYPE III CONNECTIONS. SEE DETAIL.
- 6) PARKING SPACES WITHIN COUNTY RIGHT-OF-WAY SHALL PROVIDE A MINIMUM OF 2 PARKING SPACES.
- 7) TYPICAL DRIVEWAY SECTIONS ARE TO BE 12' WIDE MINIMUM.

### TYPE I

CURB CUT DRIVEWAY FOR COUNTY TYPE "B" LAYBACK CURBS.



PLAN VIEW

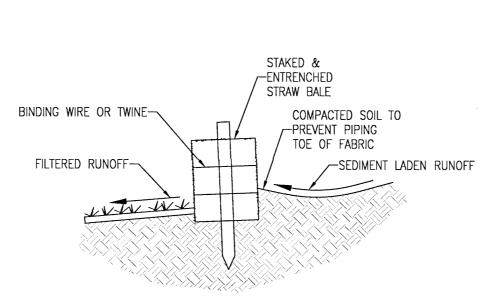
1.) SEE STANDARD COUNTY CURB DETAILS FOR REFERENCE. 2.) SEE F.D.O.T. INDEX NO. 515 FOR OTHER CONNECTIONS.

ROADWAY

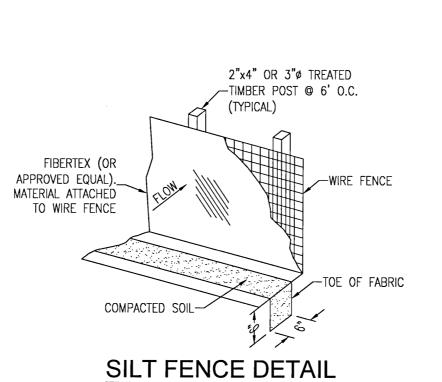
\* FOR OTHER TYPE CURBS, DIMENSIONS MAY BE ADJUSTED TO FIT.

(SEE GENERAL NOTE 8)

### TYPICAL DRIVEWAY CONNECTION STANDARDS FOR EXISTING ROADWAY CONDITIONS



STRAW BALE DETAIL

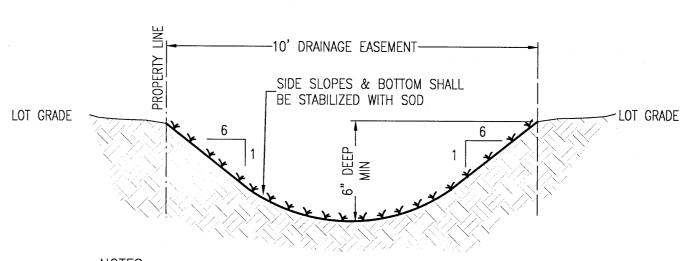


\_4" MIN. FDOT #1 AGGREGATE PUBLIC ROADWAY EXISTING GROUND 00 00

SECTION "A-A"

ENTRANCE AND PUBLIC R.O.W. 12' WIDE STABILIZED CONSTRUCTION **ENTRANCE DETAIL** N.T.S.

PROVIDE APPROPRIATE TRANSITION BETWEEN STABILIZED CONSTRUCTION



NOTES:

1. SIDE YARD SWALES SHALL BE BUILT BY THE HOMEBUILDER. CONVEYANCE SWALES TO

2. HOME EQUIPMENT (I.E. AC UNITS) SHALL NOT HINDER THE PROPER INSTALLATION AND/OR FUNCTION OF THE SIDE YARD SWALES

3. ALL NEW ROOF RUNOFF, DOWNSPOUTS, AND GUTTERS, SHALL BE ROUTED TO CARRY

ALL STORMWATER TO THE ROADS OR SWALES THAT LEAD TO THE RETENTION POND

TYPICAL PRIVATE 10' DRAINAGE EASEMENT SWALE

### MAXIMUM LOT SURFACE COVERAGE

ALL RESIDENTIAL LOTS 3,500 SF (HOUSE & DRIVEWAY)

ELEVATION SHALL BE AT OR

DRIVEWAY SECTION

ABOVE ELEVATION OF THE TOP-OF ADJACENT EXISTING CURB/

" STABILIZED SUBGRADE 95% COMPACTION W/ LBR 40

EXIST. CURB TO

### **TOTAL IMPERVIOUS SURFACE**

TOTAL NEW INFRASTRUCTURE

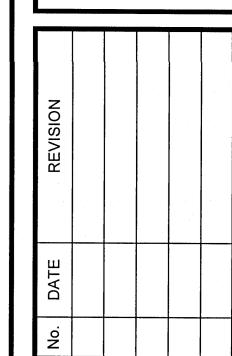
63,075 SF (ROADWAY, SIDEWALK, CURB)

TOTAL IMPERVIOUS AREA FOR

POST DEVELOPMENT CONDITIONS 236,975 SF (NEW INFRASTRUCTURE, LOTS)

GRADING PLAN NEIGHBORHOOD ( & DRAINAGE F

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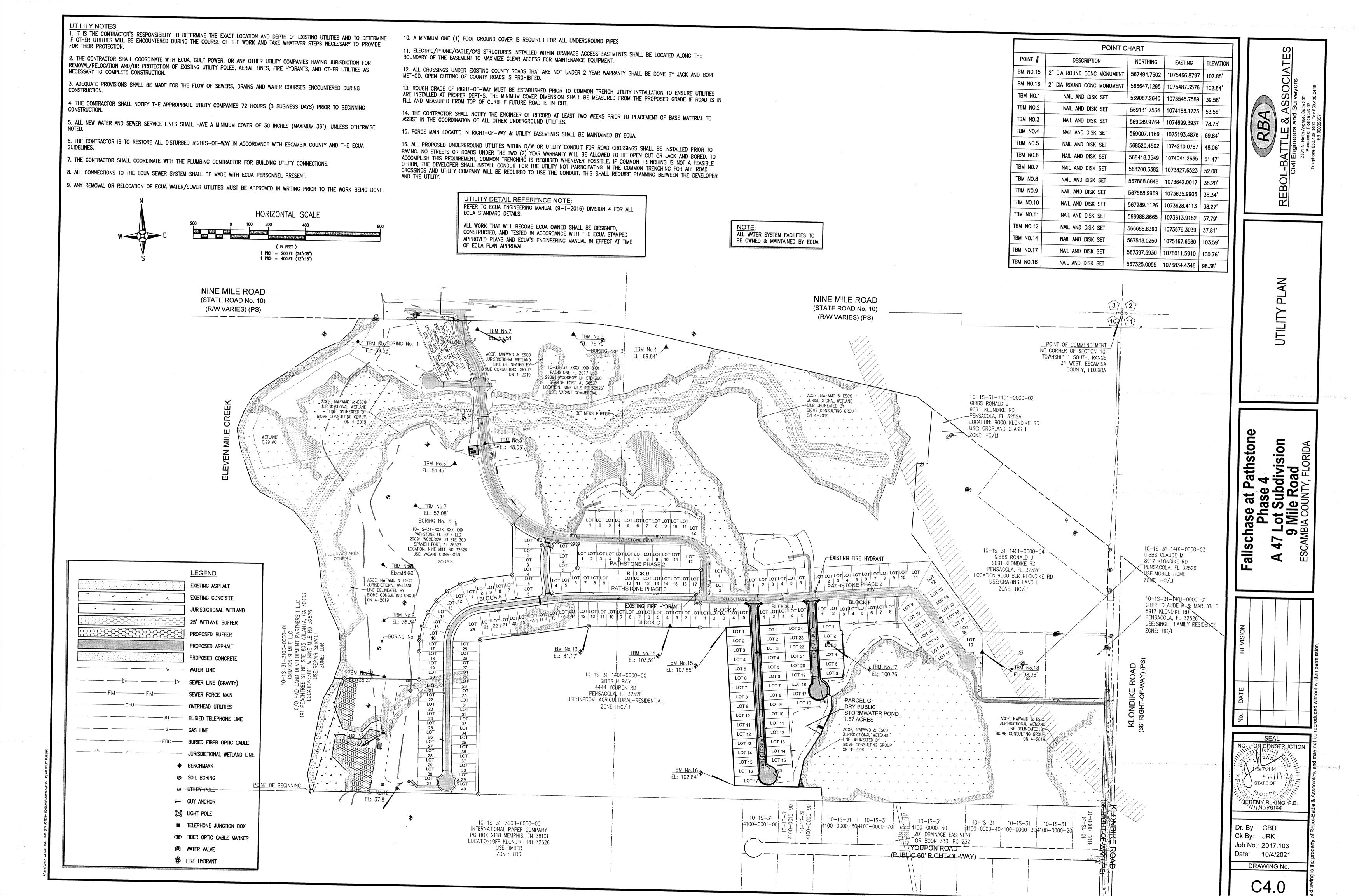


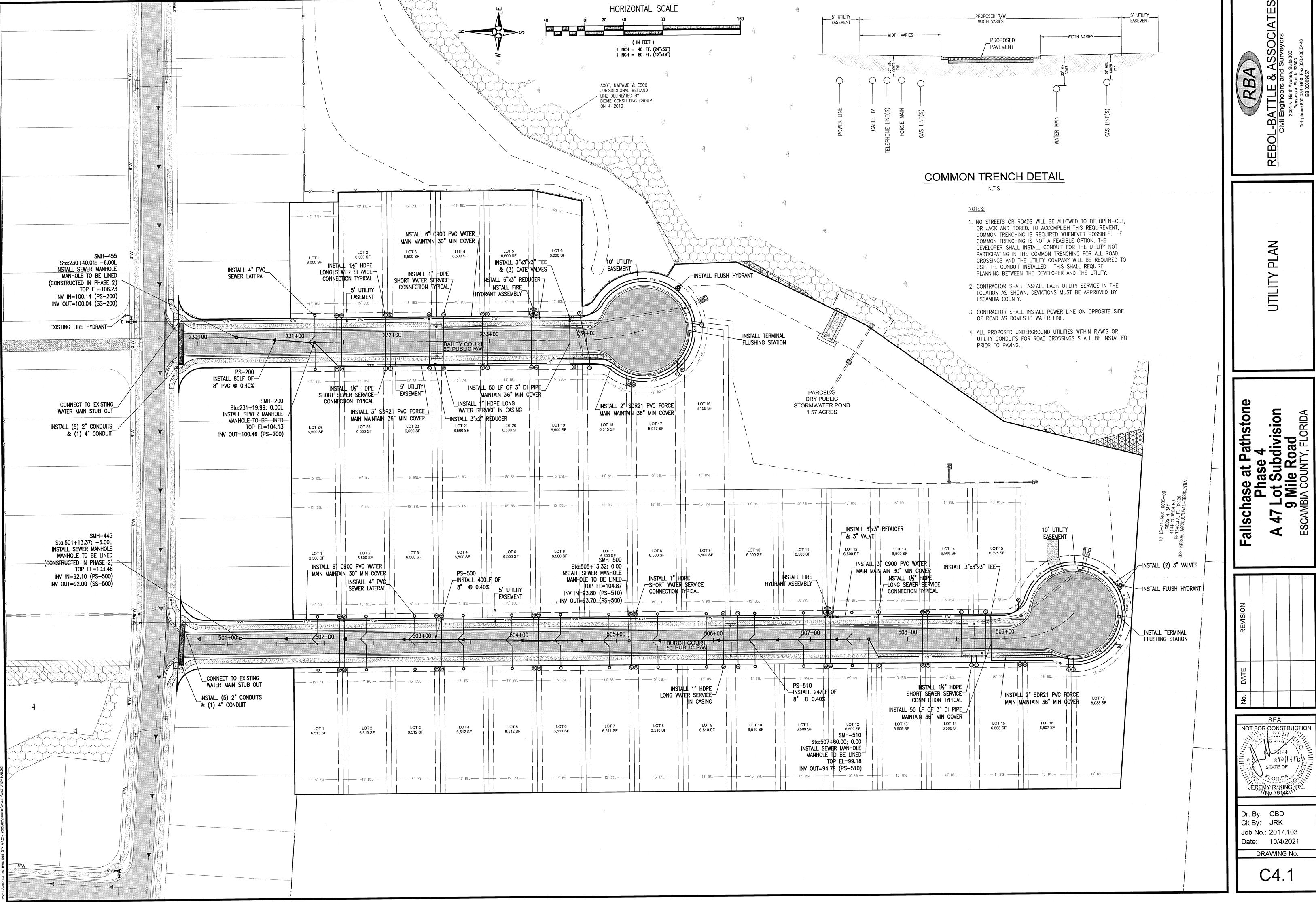
SEAL NOT FOR CONSTRUCTION JEREMY R. KING, P.E.

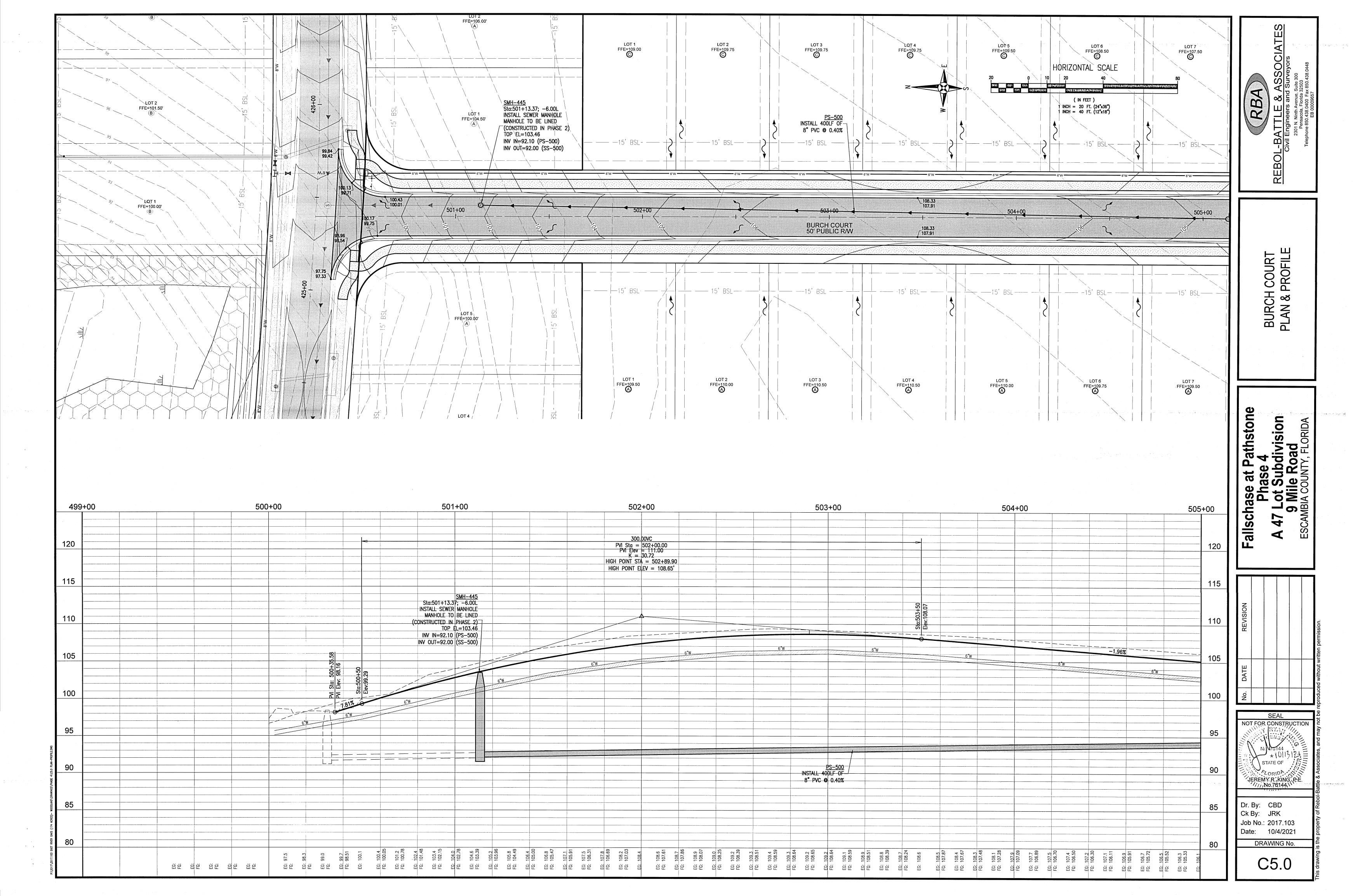
Dr. By: CBD Ck By: JRK Job No.: 2017.103 Date: 10/4/2021

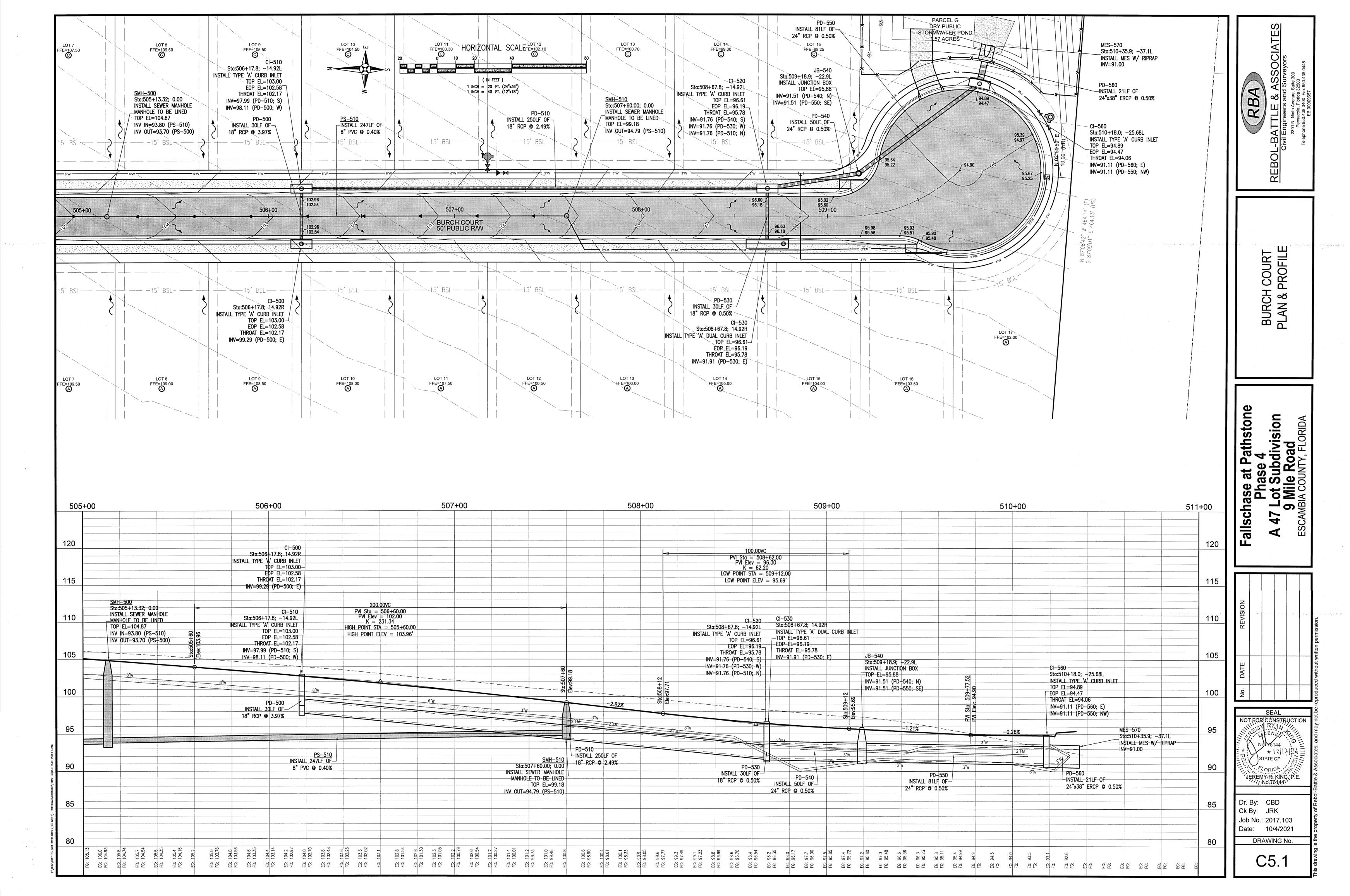
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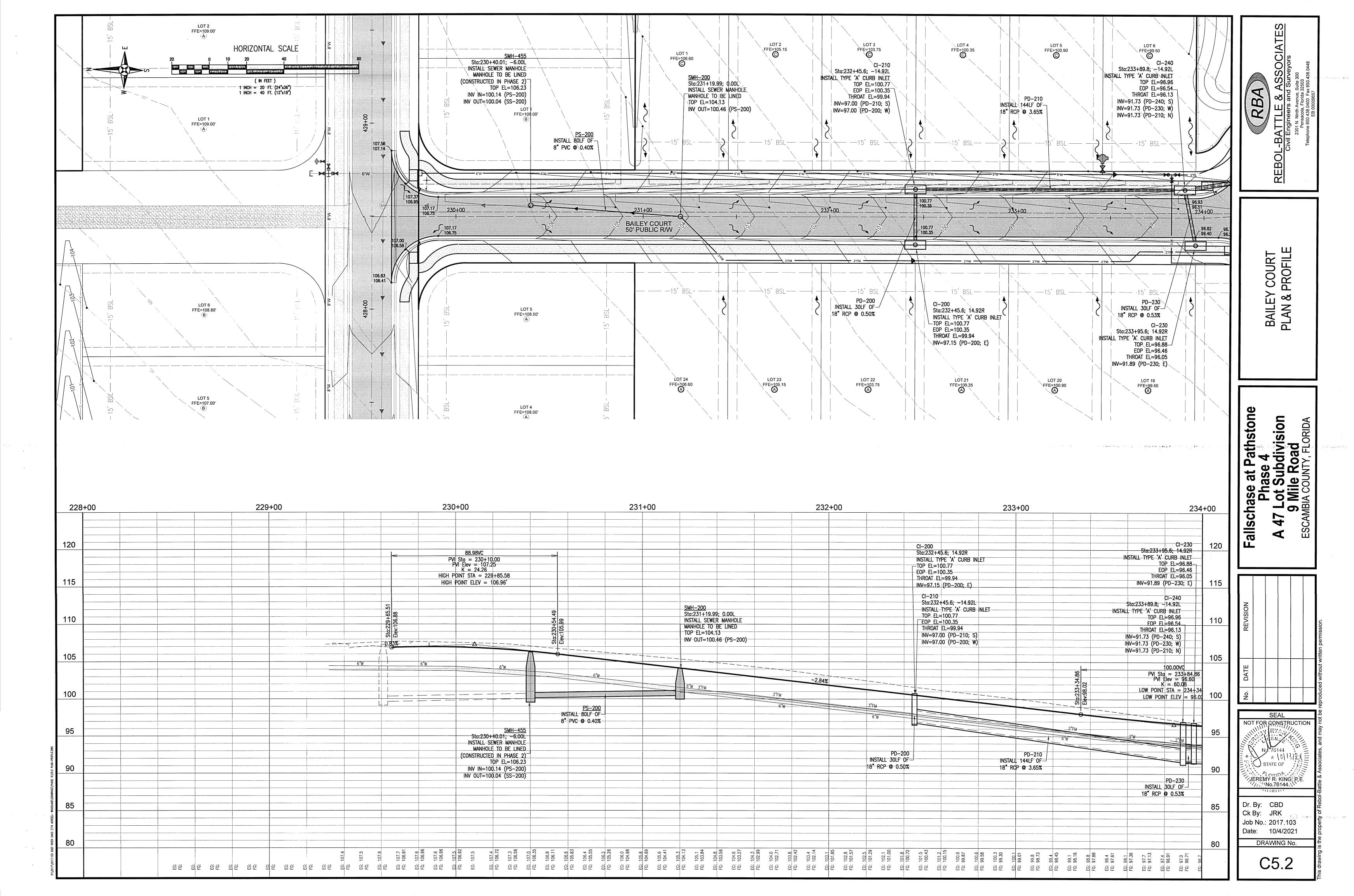
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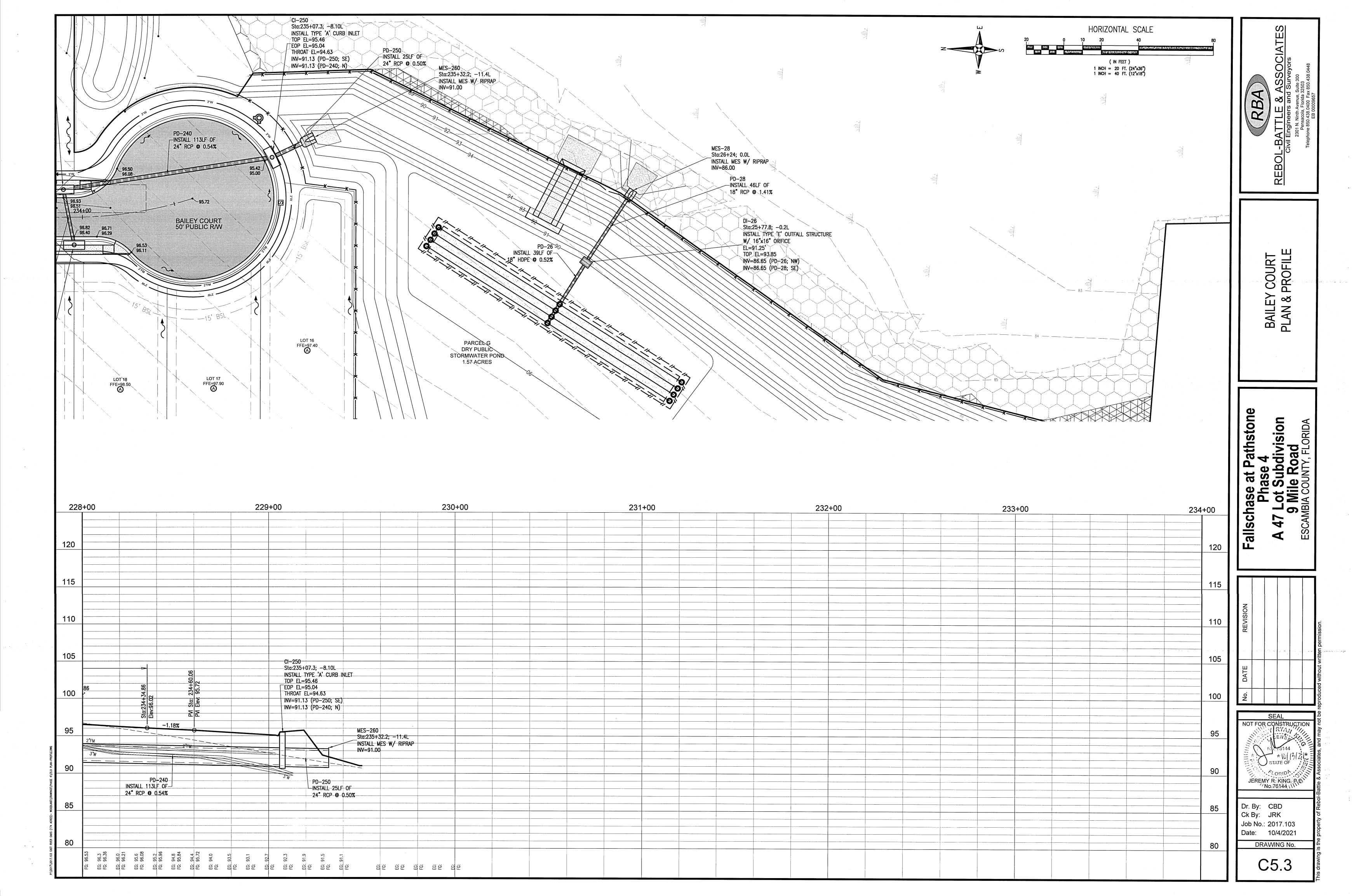


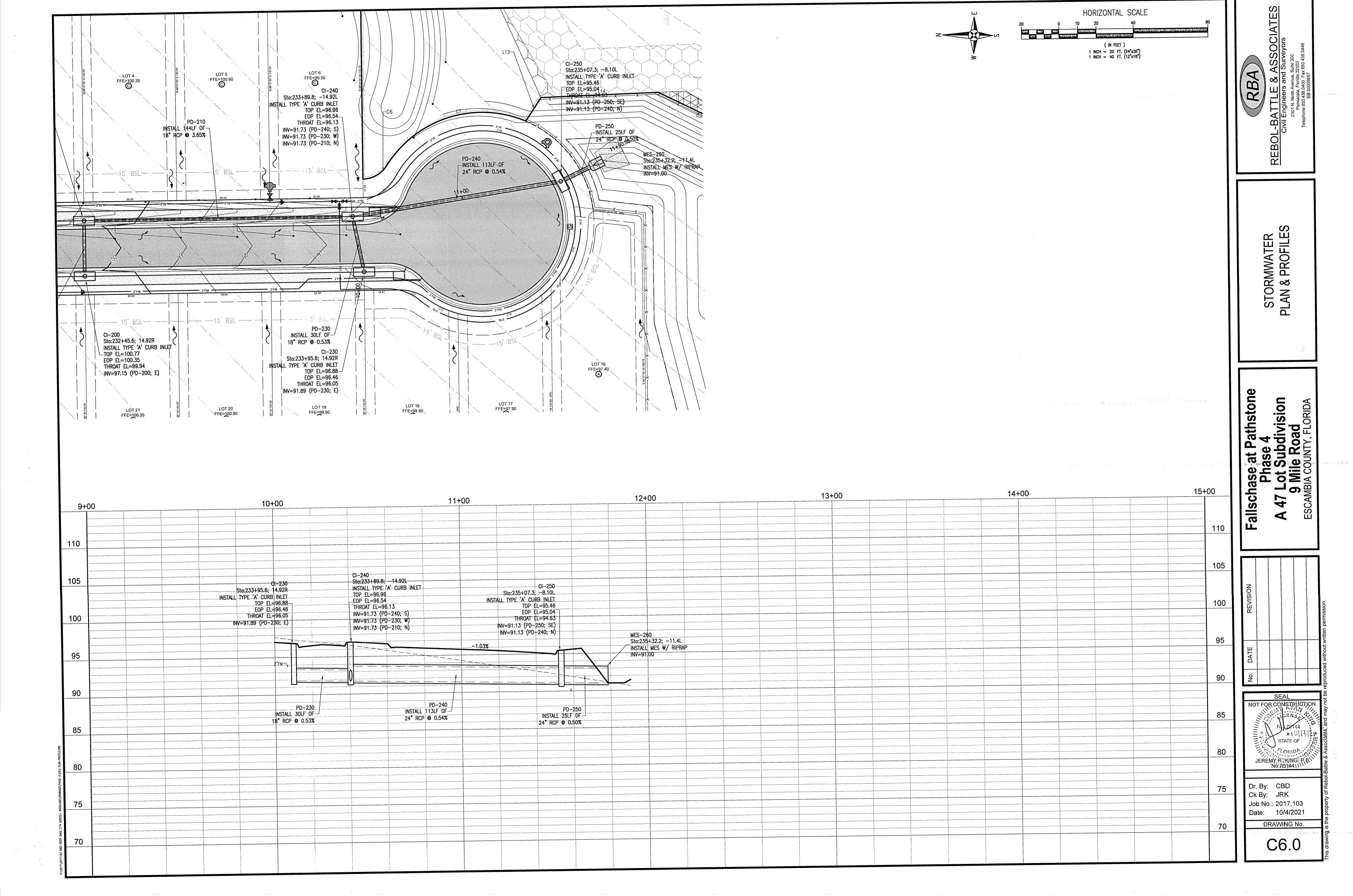


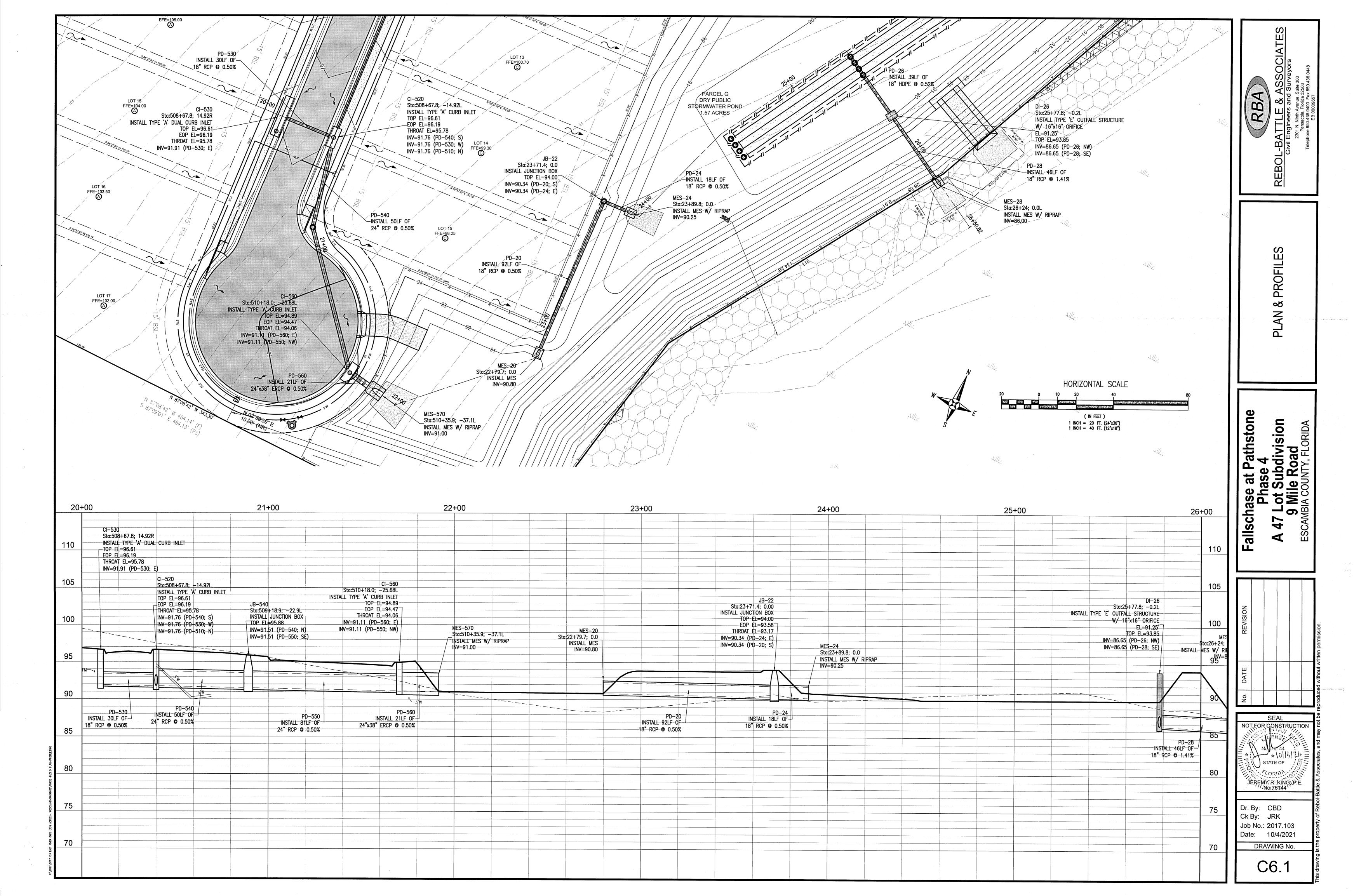


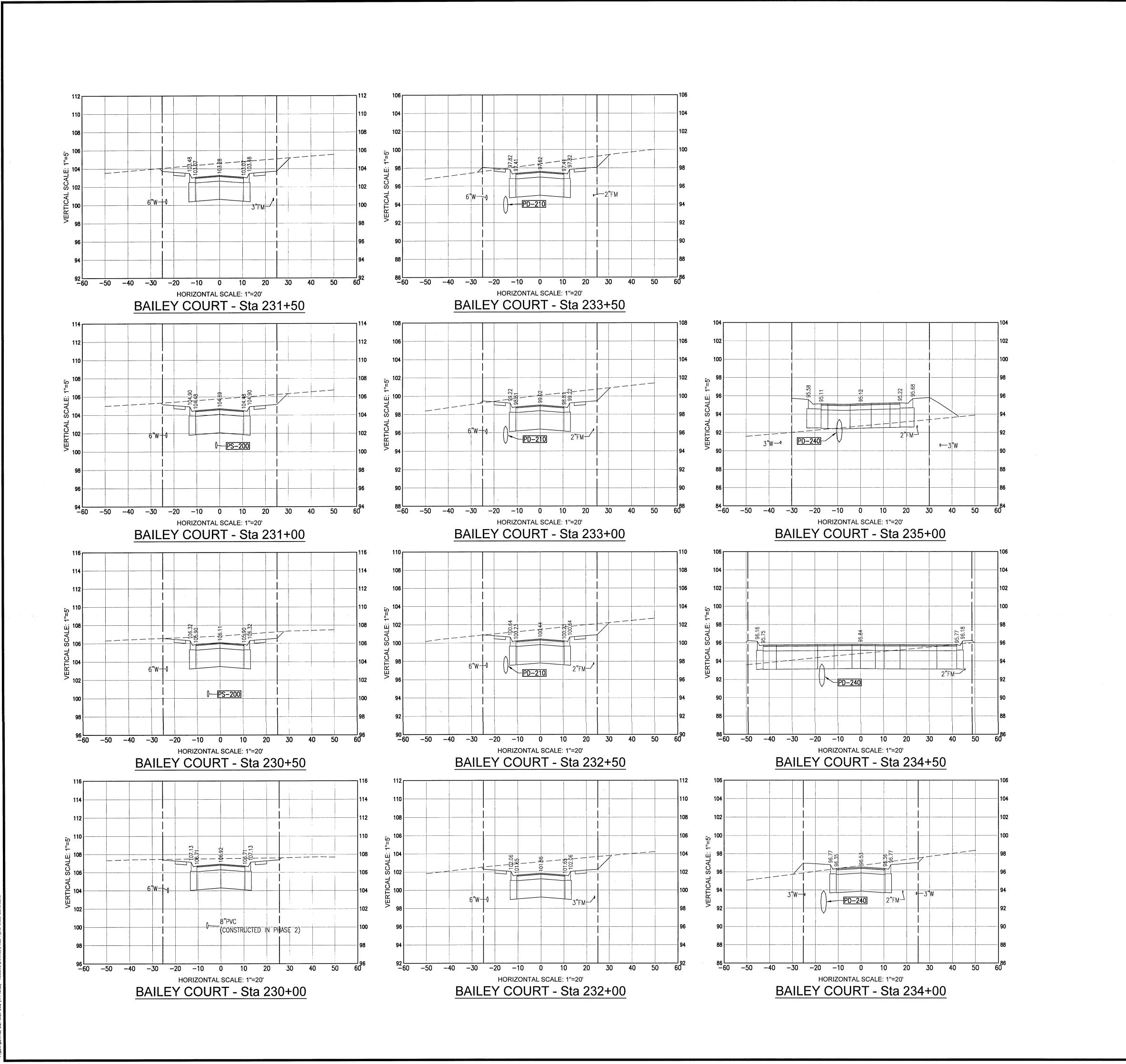












REBOL

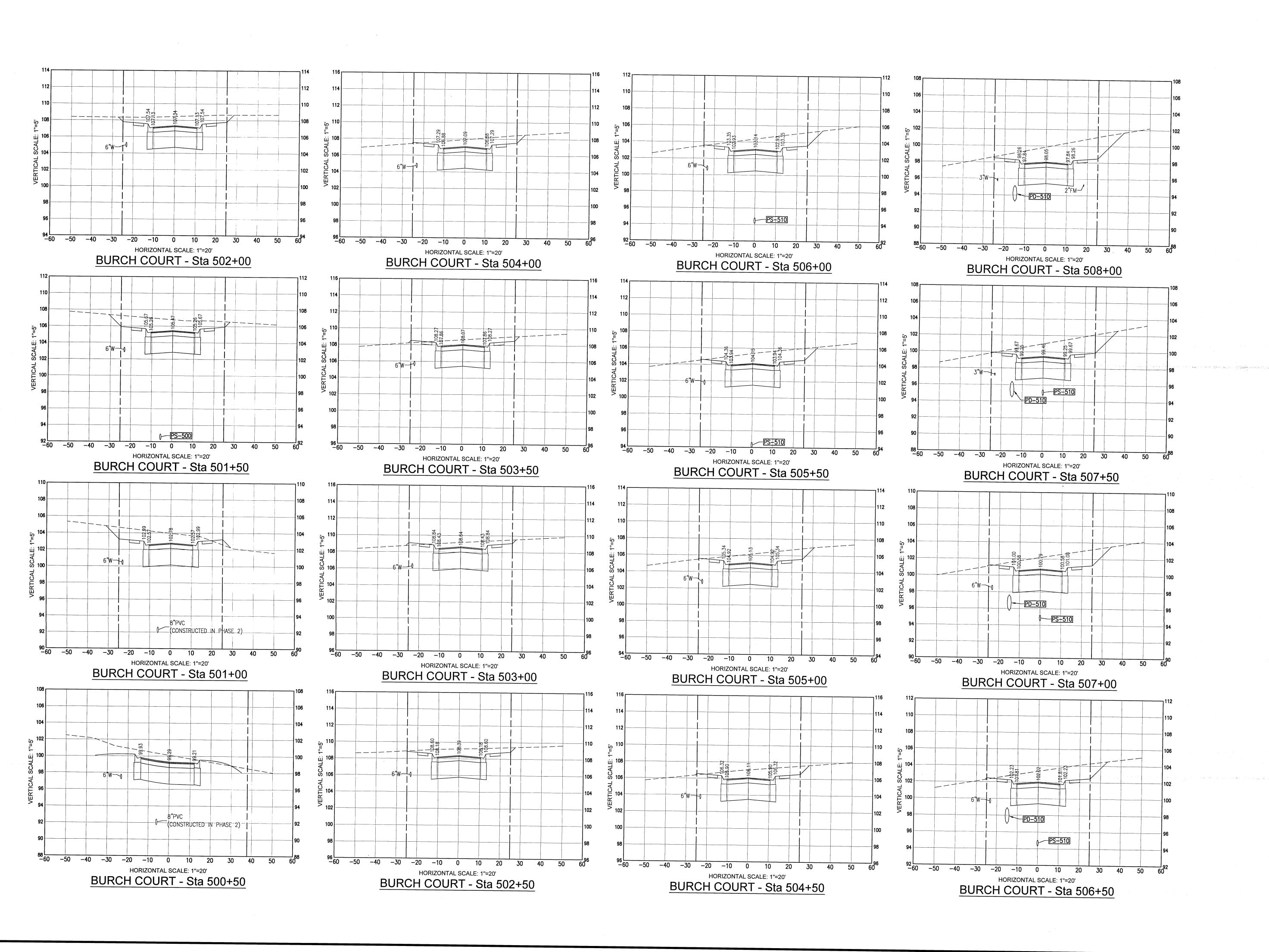
BAILEY COURT CROSS SECTIONS

Pathstone e 4 Fallschase at Pallschase Phase 4
A 47 Lot Subce 9 Wile Robert Standard COUNTY

SEAL JEREMY R. KING, P.E. No.76144

Dr. By: CBD Ck By: JRK Job No.: 2017.103 Date: 10/4/2021 DRAWING No.

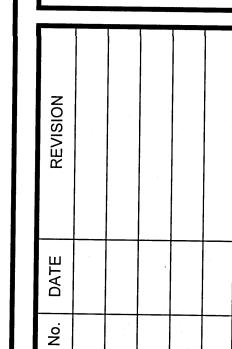
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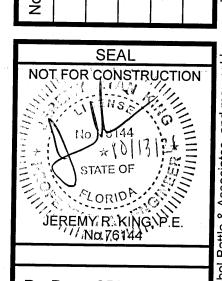


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BURCH COURT CROSS SECTIONS

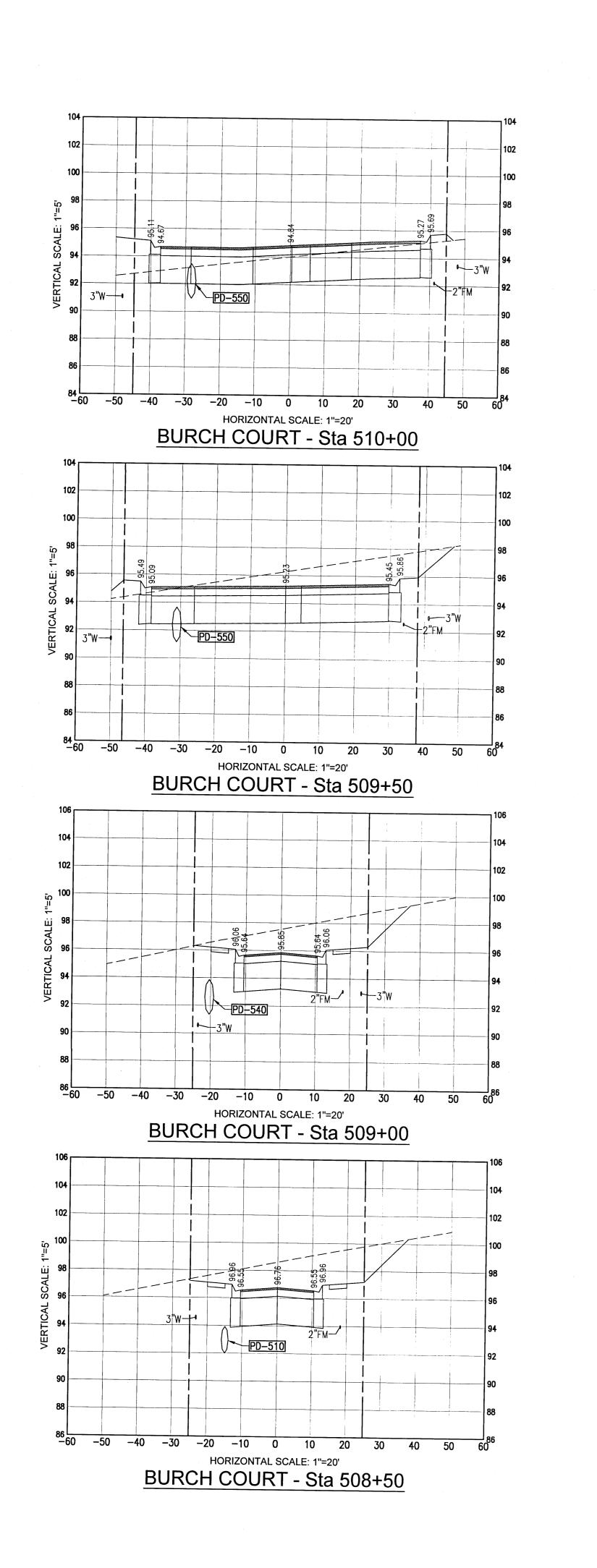
Fallschase at Pathstone
Phase 4
A 47 Lot Subdivision
9 Mile Road
ESCAMBIA COUNTY, FLORIDA





Dr. By: CBD Ck By: JRK Job No.: 2017.103 Date: 10/4/2021 DRAWING No.

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REBOL-BATTLE & ASSOCIATE Civil Engineers and Surveyors

Civil Engineers and Surveyors

2301 N. Ninth Avenue, Suite 300
Pensacola, Florida 32503
Telephone 850.438.0400 Fax 850.438.0448
EB 00009657

Fallschase at Pathstone
Phase 4
A 47 Lot Subdivision
9 Mile Road
ESCAMBIA COUNTY, FLORIDA

BURCH COURT CROSS SECTIONS

No. DATE REVISION

NO. DATE

NO. DAT

NOT FOR CONSTRUCTION

No. V6144

\*ID 1717

STATE OF

JEREMY, RIKING, P.E.
NO. 76144

Dr. By: CBD Ck By: JRK Job No.: 2017.103 Date: 10/4/2021

DRAWING No.

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