

BOARD OF COUNTY COMMISSIONERS ESCAMBIA COUNTY, FLORIDA

ENGINEERING DEPARTMENT CONSTRUCTION MANAGEMENT DIVISION

INDEX OF ROADWAY PLANS

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PLANS PROPOSED FOR

FRICHEZ HEIGHTS

STORMWATER IMPROVEMENT **ENG 2096**

ISSUE FOR BID

COMMISSIONERS

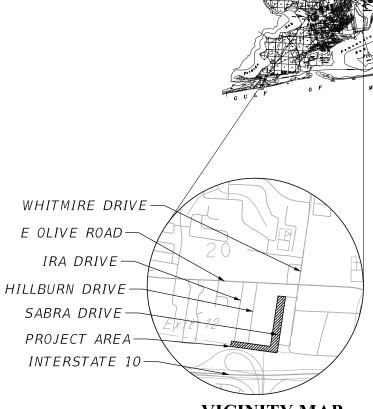
DISTRICT ONE JEFF BERGOSH

DISTRICT TWO MIKE KOHLER

DISTRICT THREE LUMON MAY

DISTRICT FOUR VACANT

DISTRICT FIVE STEVEN BARRY (CHAIRMAN)



VICINITY MAP

PD 21-22.097

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE LATEST ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.

ANY REFERENCE TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, DIVISION 1, GENERAL REQUIREMENTS AND COVENANTS. SHALL BE EXCLUDED AND NOT APPLICAPABLE TO ANY SPECIFICATION REFERED HEREIN OR OTHERWISE LISTED IN THESE PLANS OR RELATED DOCUMENTS OR THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.

PROJECT MANAGER: MARK SOLTERO 18, 19, 20/1S/30W PROJECT ENGINEER: REG FLA ENG NO: PHILLIP J. WALKER FEBRUARY 2024 (SEE EOR SEAL)

PAYITEM	DESCRIPTION	UNITS	PLAN QUANTIT 1	
1	Mobilization	EA		
2	Clearing and Grubbing	ACRE	2	
3	Remove Tree, 25"-48"	EA	5	
4	Remove Sand, Silt, & Vegetation from Existing Stormwater System	LF	1522	
5	Replace Standard Mailbox with approved Heavy-Duty Plastic Mailbox w/ Rear Door and Post.	EA	17	
6	Earthwork Excavation by machine	CY	8666	
7	Earthwork Excavate, Haul, and Install, On-site	CY	265	
8	Remove and Replace Unsuitable Materials	CY	660	
9	Pond Access Ramp, 5" GAB w/ Fabric	SY	939	
10	Filter Sand	CY	91	
11	Develop and implement an Escambia County approved MOT traffic safety plan, both map type and written type, by a Certified Work Zone Safety Traffic Supervisor	EA	1	
12	4" Fiber Reinforced Concrete Driveway, over 50sy	SY	66	
13	FDOT Type Reinforced Concrete Ditch Paving w/ Weep Holes, FDOT Index 524-001, Min 3.5" thick	SY	1965	
14	Remove Existing Concrete, up to 6" thick	SY	100	
15	60" RCP Pipe, 6'-12' depth	LF	36	
16	30" RCP Cross Drain MES, FDOT Index 430-021 & -001	EA	2	
17	Class II Concrete for Endwalls	CY	24	
18	Reinforcing Steel for Endwalls	LB	1400	
19	Pipe Removal, 30" and larger	LF	101	
20	Remove Existing Sandbag Headwall, 30" and Larger	EA	3	
21	Remove MES for 30" and larger (or equivalent) pipe	EA	2	
22	6" PVC Waterline, 0'-6' depth	LF	370	
23	1" Water Service Line - Long	LF	420	
24	6" Gate Valve w/ Box	EA	1	
25	Adjust Water Meter, includes all appurtenances for adjustment to final grade	EA	6	
26	Relocate Water Meter	EA	3	
27	Relocate Water Valve	EA	1	
28	Fire Hydrant Assembly (new)	EA	2	
29	Centipede Sod, Staked	SY	5000	
30	18" Depth Rip Rap Rubble w/ 4" Bedding Stone and Geotextile	SY	69	
31	Silt Fence Type III	LF	3416	
32	Establish, quantify, and submit an approved erosion control plan prepared by a certified technician.	EA	1	
33	Construct Stabilized Gravel Construction Entrance	SY	200	
34	Project Mowing, Maintenance, Litter Control, etc.	AC	2	
35	6' Wood Fence (Non alternating Vertical Boards)	LF	150	
36	Remove Existing 6' Wood Fence	LF	105	
37	Waterproof Jobsite Storage Board Container/Tube for project information, permits, SWPPP plans, etc.	EA	1	

PAY ITEM NOTES:

INCLUDES ALL COSTS ASSOCIATED WITH SAND CHIMNEY EXCAVATION AND RE -ESTABLISHING GRADE ALONG DITCHES.

THE LAB SAMPLE REQUIREMENT OF THE FILTER SAND IN PLACE (SAND CHIMNEY BACKFILL) SHALL BE INCLUDED IN THE COST OF SAND FILTER MEDIA. THE BACKFILL MATERIAL SHALL BE A MEDIUM CLEAN SAND SOIL WITH A MINIMUM PERMEABILITY OF 30 FEET/DAY AT A MINIMUM OF 100% OF THE STANDARD PROCTOR TEST (ASTM D 698) ENERGY.

INCLUDES ALL COSTS ASSOCIATED WITH DEVELOPING AND IMPLEMENTING AN APPROVED MAINTENANCE OF TRAFFIC PLAN.

THE PLAN QUANTITY FOR THIS PAY ITEM IS 95 SY.

THE CONTRACTOR IS TO COORDINATE DRIVEWAY CLOSURE WITH AFFECTED PROPERTY OCCUPANT. DRIVEWAY DOWN TIME SHALL BE MINIMIZED AND CLOSELY COORDINATED.

INCLUDES ALL COSTS ASSOCIATED WITH RELOCATING/REPLACING THE IMPACTED 6" ECUA WATER MAIN AND REQUIRED APPURTENANCES TO CURRENT ECUA STANDARDS. CONTRACTOR SHALL PROVIDE MINIMUM 48 HOUR NOTICE TO AFFECTED RESIDENTS PER ECUA REQUIREMENTS. ECUA INSPECTOR SHALL BE PRESENT FOR ALL ECUA WORK.

ITEM 23: INCLUDES ALL COSTS ASSOCIATED WITH REPLACING WATER SERVICE LINES WHICH MAY BE IMPACTED BY CONSTRUCTION TO ECUA STANDARDS.

THESE ITEMS INCLUDE ALL COSTS ASSOCIATED WITH RELOCATING AND RECONNECTING THE EXISTING FIRE HYDRANT AND VALVE TO THE PLAN LOCATION SHOWN PER ECUA STANDARDS.

INCLUDES ALL COSTS ASSOCIATED WITH FURNISHING, INSTALLING, AND CONNECTING A NEW FIRE HYDRANT AND ASSOCIATED VALVE ASSEMBLY PER ECUA STANDARDS.

THE PLAN QUANTITY FOR THIS ITEM IS 4884 SY.

ITEMS 31 AND 32: THE CONTRACTOR IS RESPONSIBLE FOR ALL SEDIMENT AND EROSION CONTROL FOR THIS PROJECT INCLUDING ASSOCIATED ITEMS, QUANTITIES, INSPECTION, AND ASSOCIATED WORK PER THE NPDES PERMIT.

ITEM 33: THE CONTRACTOR MUST CONSTRUCT A STABILIZED GRAVEL CONSTRUCTION ENTRANCE AT ALL CONSTRUCTION ENTRANCES. IT IS ASSUMED THE CONTRACTOR WILL HAVE TWO ENTRANCES ALONG THE OUTFALL DITCH. THE QUANTITY ASSUMES TWO 100 SY CONSTRUCTION ENTRANCES.

ITEM 35: THE PLAN QUANTITY FOR THIS ITEM IS 144 LF.

REVISIONS DATE DESCRIPTION



PHILLIP J. WALKER P.E. LICENSE NUMBER 87701 HDR ENGINEERING, INC. 25 WEST CEDAR STREET, SUITE 200 PENSACOLA, FL 32502-5945



ESCAMBIA COUNTY ENGINEERING DEPARTMENT

FRICHEZ HEIGHTS STORMWATER IMPROVEMENTS SUMMARY OF PAY ITEMS

SHEET NO.

- 1. THE CONTRACTORS SHALL NOTIFY THE COUNTY DESIGN ENGINEER OR DESIGNEE 48 HOURS PRIOR TO CONSTRUCTION.
- 2. ALL CONDITIONS AND STIPULATIONS OF THE CONSTRUCTION PERMITS AND THE APPROVALS ISSUED BY THE ESCAMBIA COUNTY ENGINEER SHALL BE COMPLIED WITH IN EVERY DETAIL.
- 3. ALL ROADS DAMAGED BY CONSTRUCTION OPERATIONS ARE TO BE PATCHED OR RECONSTRUCTED AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.
- 4. THE CONTRACTOR SHALL TAKE STEPS NECESSARY TO PREVENT EROSION AND ANY OFF SITE SEDIMENT TRANSPORT RESULTING FROM FLORIDA STORMWATER, EROSION, AND SEDIMENT CONTROL INSPECTOR'S MANUAL, JULY 2018 EDITION, OR AS INDICATED ON THE PLANS. ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL ASSOCIATED DISTURBED AREAS ARE STABILIZED AS TO REDUCE SEDIMENT RUNOFF, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR DESIGNEE. INCREASED RUNOFF DURING CONSTRUCTION BY PROVIDING SILT FENCE AND/OR STAKED HAY BALES AS REQUIRED BY THE
- 5. ANY NECESSARY PERMITS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR, ESCAMBIA COUNTY OR ITS DESIGNEE WILL ASSIST CONTRACTOR WITH REQUIRED PERMITS.
- 6. THE CONTRACTOR IS CAUTIONED TO VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BIDDING AND/OR
- 7. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PRESERVE OR RELOCATE ALL BENCHMARKS (VERTICAL CONTROL) AS NEEDED DURING CONSTRUCTION. ALL PUBLIC OR PRIVATE CORNER MONUMENTATION SHALL BE PROTECTED. IF A PUBLIC OR PRIVATE CORNER MONUMENTATION IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR DESIGNEE IMMEDIATELY. ANY ESCAMBIA COUNTY HARN/GPS NETWORK MONUMENTS OR BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A HARN/GPS NETWORK MONUMENTS OR BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTS ARE DISTURBED OR DESTROYED THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELACEMENT REPLACEMENT OF THE MONUMENTS AND HAVE THE MONUMENTS POSITION DETERMINED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER USING GUIDELINES AS ESTABLISHED BY NATIONAL GEODETIC SURVEY FOR BLUE BOOKING AND APPROVAL.
- 8. EXISTING DRAINAGE FEATURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
- 9. THE CONTRACTOR SHALL MATCH EXISTING CONDITIONS AT THE BEGINNING AND END OF CONSTRUCTION AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.
- 10. EXISTING STREETS AND DRIVES SHALL BE MAINTAINED TO LOCAL TRAFFIC AND PROPERTY OWNERS.
- 11. ALL MATERIALS, TESTING, AND CONSTRUCTION METHODS SHALL CONFORM TO THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS, LATEST EDITION.
- 12. ANY REFERENCE TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, DIVISION 1, GENERAL REQUIREMENTS AND COVENANTS, SHALL BE EXCLUDED AND NOT APPLICABLE TO ANY SPECIFICATION REFERRED HEREIN OR OTHERWISE LISTED IN THESE PLANS OR RELATED DOCUMENTS OR THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.
- 13. CONTRACTOR SHALL COMPLY WITH ALL F.D.E.P. AND ARMY CORP. OF ENGINEERS REQUIREMENTS. THE PROJECT IS PERMITTED BY NWFWMD (GEN-033-316089-1)
- 14. ONLY ACCESS TO THE EASEMENTS AS SHOWN ARE GUARANTEED BY THE COUNTY. PRIVATE R/W REQUIRED BY THE CONTRACTOR TO FACILITATE CONSTRUCTION SHALL BE ACQUIRED BY THE CONTRACTOR WITH NO ADDITIONAL COMPENSATION OR ASSISTANCE FROM THE
- 15. IN THE EVENT THAT SURVEY MONUMENTATION OR REFERENCE POINTS ARE MISSING OR HAVE BEEN DESTROYED, PLEASE CONTACT:

JOSEPH BARRETT, PSM ESCAMBIA COUNTY ENGINEERING DEPARTMENT 3363 WEST PARK PLACE PENSACOLA, FLORIDA 32505 PH (850) 595-3440

REVISIONS

DESCRIPTION

16. PARCEL LINES ARE BASED ON COUNTY SURVEY.

DATE

- 17. DIRECT SPECIAL ATTENTION TO THE PROTECTION OF ALL GEODETIC MONUMENTS, HORIZONTAL OR VERTICAL, AND PUBLIC LAND SURVEY CORNERS LOCATED WITHIN THE PROJECT. IF ANY GEODETIC MONUMENT OR PUBLIC LAND SURVEY CORNER, LOCATED WITHIN THE PROJECT, IS AT RISK OF BEING DAMAGED OR DESTROYED, IMMEDIATELY NOTIFY THE COUNTY ENGINEER OR DESIGNEE. IN ADDITION, CONTACT JOE BARRETT, ESCAMBIA COUNTY SURVEYOR, TO OBTAIN APPROVAL TO LOCATE AND REPLACE ANY DAMAGED OR DESTROYED GEODETIC MONUMENTS OR PUBLIC LAND SURVEY CORNERS UNDER THE DIRECTION OF A PROFESSIONAL SURVEYOR AND MAPPER REGISTERED
- 18. VEGETATION ON R/W AND EASEMENTS SHALL BE RESTORED TO ORIGINAL CONDITION UNLESS OTHERWISE NOTED ON THE PLAN SHEETS. COST OF SAID RESTORATION SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS.
- 19. ALL TREES WITHIN LIMITS OF CONSTRUCTION ARE TO REMAIN AND BE PROTECTED UNLESS OTHERWISE NOTED ON THE PLANS.
- 20. ALL COMPACTED FILL SHALL BE PLACED IN 4" LIFTS FOR HAND POWERED TAMPERS AND 8" LIFTS FOR HEAVY EQUIPMENT OPERATED **TAMPERS**
- 21. IF ARCHAEOLOGICAL MATERIAL/PREHISTORIC ARTIFACTS SUCH AS POTTERY OR CERAMICS, STONE TOOLS OR METAL IMPLEMENTS, OR ANY OTHER PHYSICAL REMAINS THAT COULD BE ASSOCIATED WITH NATIVE AMERICAN CULTURES, OR EARLY COLONIAL OR AMERICAN SETTLEMENT ARE ENCOUNTERED AT ANY TIME, THE PROJECT SHOULD CEASE ALL ACTIVITIES INVOLVING SUBSURFACE DISTURBANCE IN THE IMMEDIATE VICINITY OF SUCH DISCOVERIES. THE APPLICANT/RECIPIENT, OR OTHER DESIGNEE, SHOULD CONTACT THE FLORIDA DEPARTMENT OF STATE, DIVISION OF HISTORICAL RESOURCES, THE STATE HISTORIC PRESERVATION OFFICER (SHPO) AND THE DSH/FEMA REGION IV ENVIRONMENTAL OFFICER AND FDEM STATE ENVIRONMENTAL LIAISON OFFICER FOR FURTHER GUIDANCE. PROJECT ACTIVITIES SHOULD NOT RESUME WITHOUT VERBAL AND/OR WRITTEN AUTHORIZATION FROM THE DIVISION OF HISTORICAL RESOURCES
- IN THE EVENT THAT UNMARKED HUMAN REMAINS ARE ENCOUNTERED DURING PERMITTED ACTIVITIES, ALL WORK MUST STOP IMMEDIATELY AND THE PROPER AUTHORITIES NOTIFIED IN ACCORDANCE WITH F.S. 872.05.

UTILITY NOTES:

- 1. THE LOCATION SHOWN FOR EXISTING UNDERGROUND UTILITIES IS APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK IN EACH AREA. THE CONTRACTOR AGREES TO BE COMPLETELY RESPONSIBLE FOR ALL DAMAGES WHICH MIGHT OCCUR BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES.
- 2. UTILITY OWNERS SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION SO THAT THE UTILITY OWNER CAN SPOT VERIFY AND/OR EXPOSE THEIR UTILITIES. KNOWN UTILITIES OWNERS ACCORDING TO THE SUNSHINE ONE

WATER/SEWER - EMERALD COAST UTILITY AUTHORITY MR. JACOB KEARLEY, P.E. 9255 STURDEVANT ST PENSACOLA, FL 32514 PH: (850) 698-4766 JACOB.KEARLEY@ECUA.FL.GOV

COX COMMUNICATION MR. TROY YOUNG 3405 MCLEMORE DR PENSACOLA, FL 32514 PH: (850) 857-4510. TROY.YOUNG@COX.COM

NATURAL GAS - PENSACOLA ENERGY MR. ANDREW BRISKE 1625 ATWOOD DRIVE PENSACOLA, FL 32514 PH: (850) 324-1852 DMOORE@CITYOFPENSACOLA.COM

SUNSHINE STATE ONE-CALL 7200 LAKE ELLENOR DRIVE, SUITE 200 ORLANDO, FL. 32809 PH: (800) 432-4770 ELECTRIC - GULF POWER MR. STEPHEN HARRIS 1 ENERGY PLACE PENSACOLA, FL 32520 PH: (850) 516-8499 STEPHEN.HARRIS@FPL.COM

TELEPHONE - AT&T FLORIDA MR. TOM MANNING 6689 E. MAGNOLIA STREET MILTON, FL 32570 PH: (850) 463-5176 TM2709@ATT.COM

AT&T CORP. (SDT) MR. STEVE HAMER 2901 W. BUSCH BLVD, STE 711 TAMPA, FL 33618 PH: (352) 279-3238 SHAMER@SDT-1.COM

CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND UNDERGROUND UTILITIES.

UTILITIES TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. NECESSARY REPAIRS SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS AND SHALL BE TO THE SATISFACTION OF UTILITY OWNERS.

P.F. LICENSE NUMBER 87701 25 WEST CEDAR STREET, SUITE 200 PENSACOLA, FL 32502-5945

PHILLIP J. WALKER

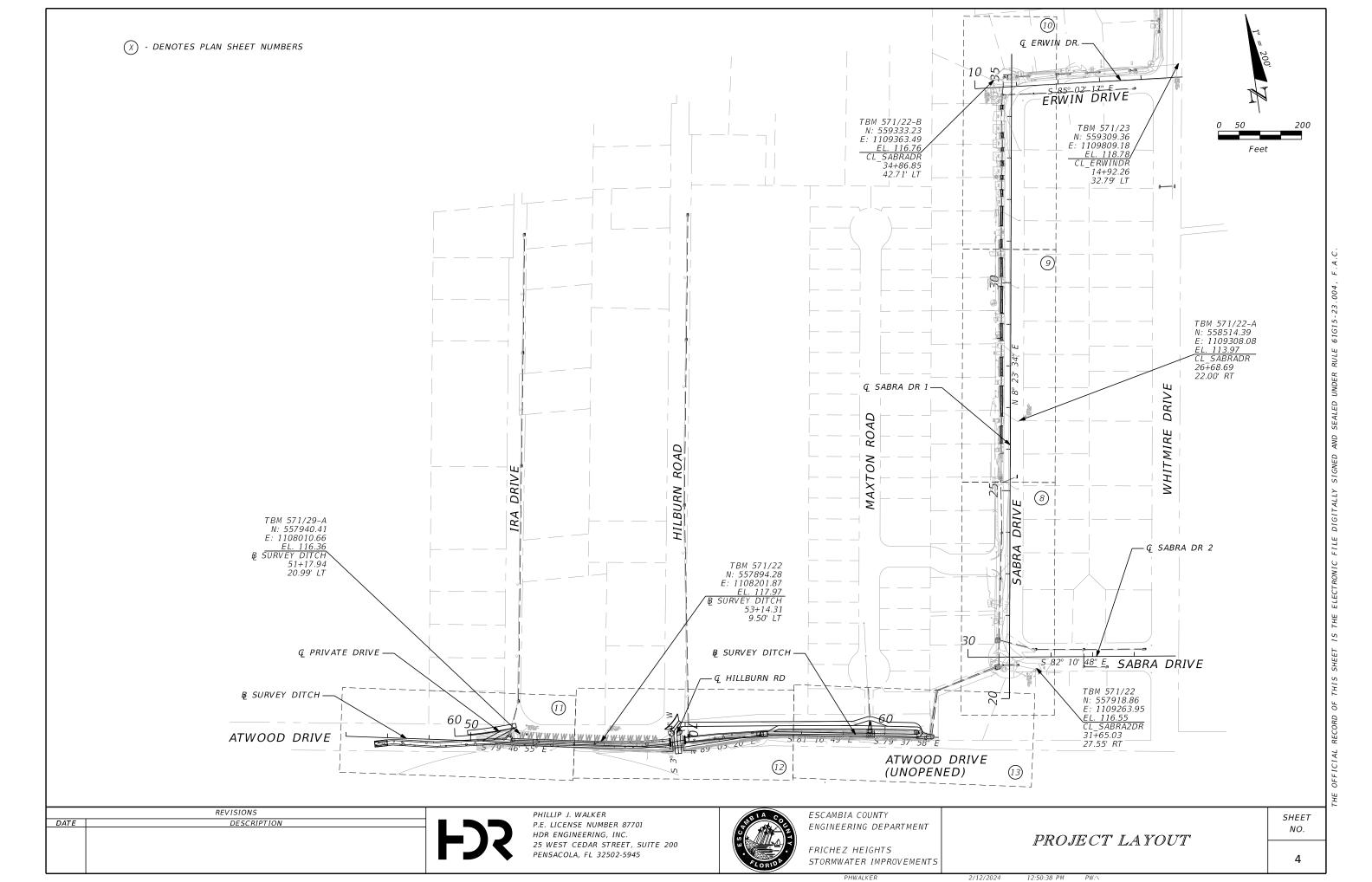
HDR ENGINEERING, INC.

ESCAMBIA COUNTY ENGINEERING DEPARTMENT

FRICHEZ HEIGHTS

GENERAL NOTES

SHFFT NO.



CURVE AND COORDINATE DATA

CURVE OR POINT NO.	ALIGNMENT	P.O.T.		P.C. / PC.C.		P.I.			P.T. / P.C.C.			$\overline{}$							DESIGN		
		STATION	NORTH	EAST	STATION	NORTH	EAST	STATION	NORTH	EAST	STATION	NORTH	EAST	\triangle	T	L	D	R	BACK BEARING	AHEAD BEARING	e SPEED (MPH)
A90	BL_SURV_DITCH	47+00.00	557,993.9014	1,107,595.6163																S 79° 46' 55.04" E	
A92	BL_SURV_DITCH	54+99.97	557,851.9903	1,108,382.9023															S 79° 46' 55.04" E	N 89° 03' 19.86" E	
A93	BL_SURV_DITCH	57+15.54	557,855.5435	1,108,598.4356															N 89° 03' 19.86" E	S 81° 16' 48.68" E	
A94	BL_SURV_DITCH	59+64.07	557,817.8645	1,108,844.1013															S 81° 16' 48.68" E	S 79° 37' 57.54" E	
A95	BL_SURV_DITCH	61+30.00	557,788.0040	1,109,007.3222															S 79° 37' 57.54" E		
A10	CL_ERWINDR	10+00.00	559,319.2686	1,109,315.9347																S 85° 02' 16.67" E	
A12	CL_ERWINDR	15+00.00	559,276.0208	1,109,814.0609															S 85° 02' 16.67" E		1
A300	CL_HILBURNDR	70+00.00	557,892.9204	1,108,385.1901																S 3° 19' 24.46" W	
A302	CL_HILBURNDR	70+54.24	557,838.7754	1,108,382.0459															S 3° 19' 24.46" W		1
CL_PRIVATEDRI	CL_PRIVATEDRI				60+00.00	557,956.3134	1,107,855.3043	60+75.24	557,949.0787	1,107,930.1991	61+50.00	557,956.6187	1,108,005.0637	11° 16' 07.12" LT	75.2434	150.0014	7° 30' 44.49"	762.6870	S 84° 28' 56.96" E	N 84° 14' 55.92" E	
A20	CL_SABRA2DR	30+00.00	557,968.6132	1,109,104.2104																S 82°10' 48.23" E	
A22	CL_SABRA2DR	35+00.00	557,900.5831	1,109,599.5607															S 82°10′ 48.23″ E		
A15	CL_SABRADR	20+00.00	557,856.0724	1,109,188.7235																N 8° 23' 34.37" E	
A17	CL_SABRADR	35+50.00	559,389.4726	1,109,414.9616															N 8° 23' 34.37" E		

REVISIONS DESCRIPTION DATE



PHILLIP J. WALKER PRILLIP J. WALKER
P.E. LICENSE NUMBER 87701
HDR ENGINEERING, INC.
25 WEST CEDAR STREET, SUITE 200
PENSACOLA, FL 32502-5945



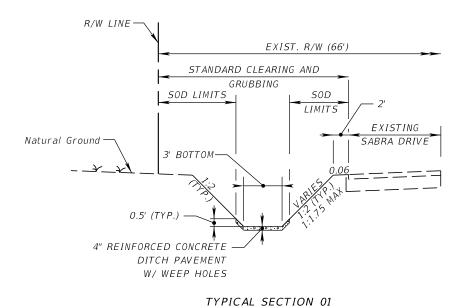
ESCAMBIA COUNTY ENGINEERING DEPARTMENT FRICHEZ HEIGHTS STORMWATER IMPROVEMENTS

CURVE AND COORDINATE DATA

SHEET NO.

5

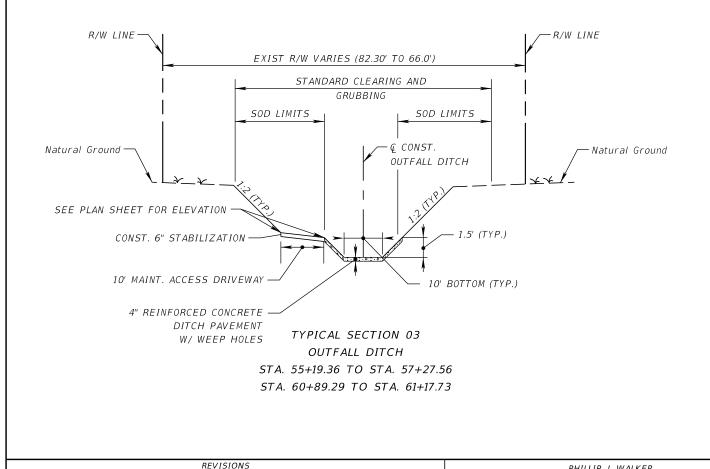




TYPICAL SECTION 01

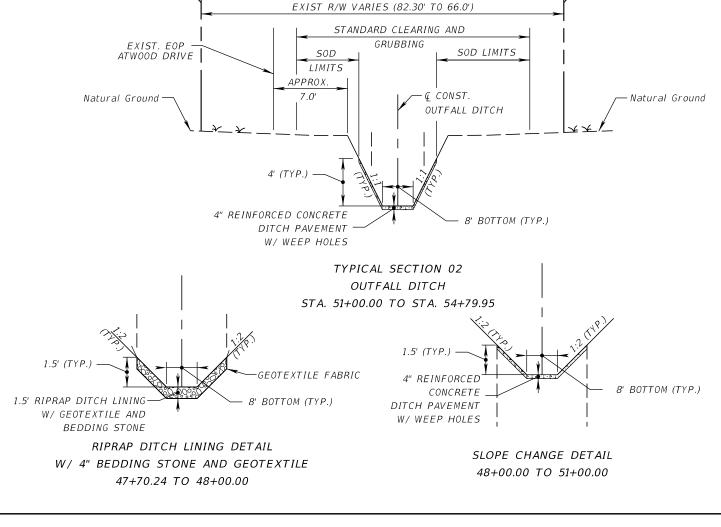
SABRA DRIVE DITCH

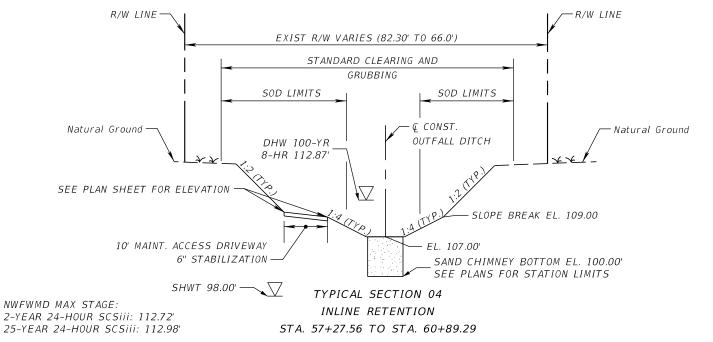
STA. 26+13.45 TO STA. 34+22.30



DESCRIPTION

DATE





FJS

PHILLIP J. WALKER
P.E. LICENSE NUMBER 87701
HDR ENGINEERING, INC.
25 WEST CEDAR STREET, SUITE 200
PENSACOLA, FL 32502-5945



ESCAMBIA COUNTY ENGINEERING DEPARTMENT

R/W LINE -

FRICHEZ HEIGHTS
STORMWATER IMPROVEMENTS

TYPICAL SECTIONS

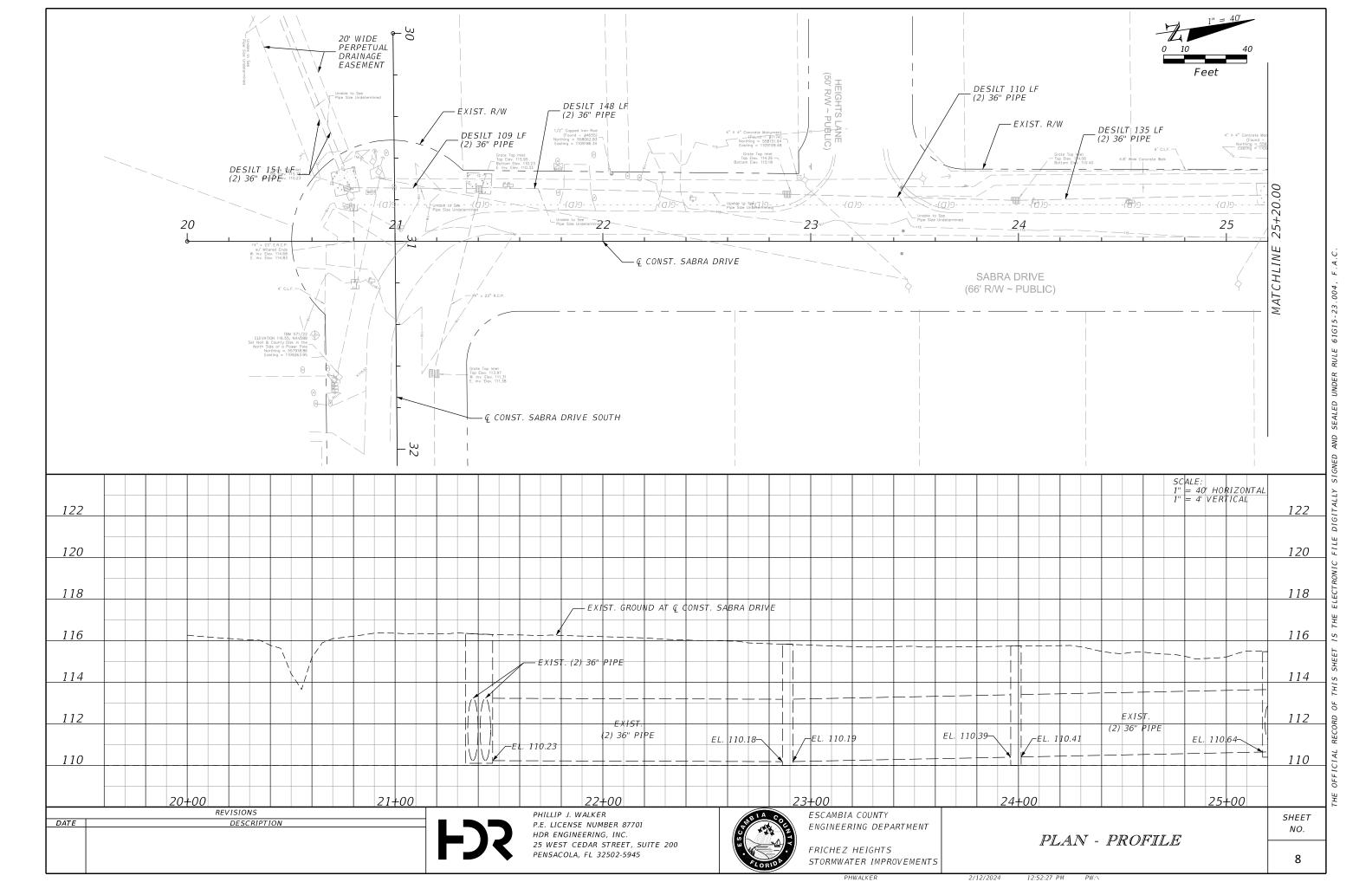
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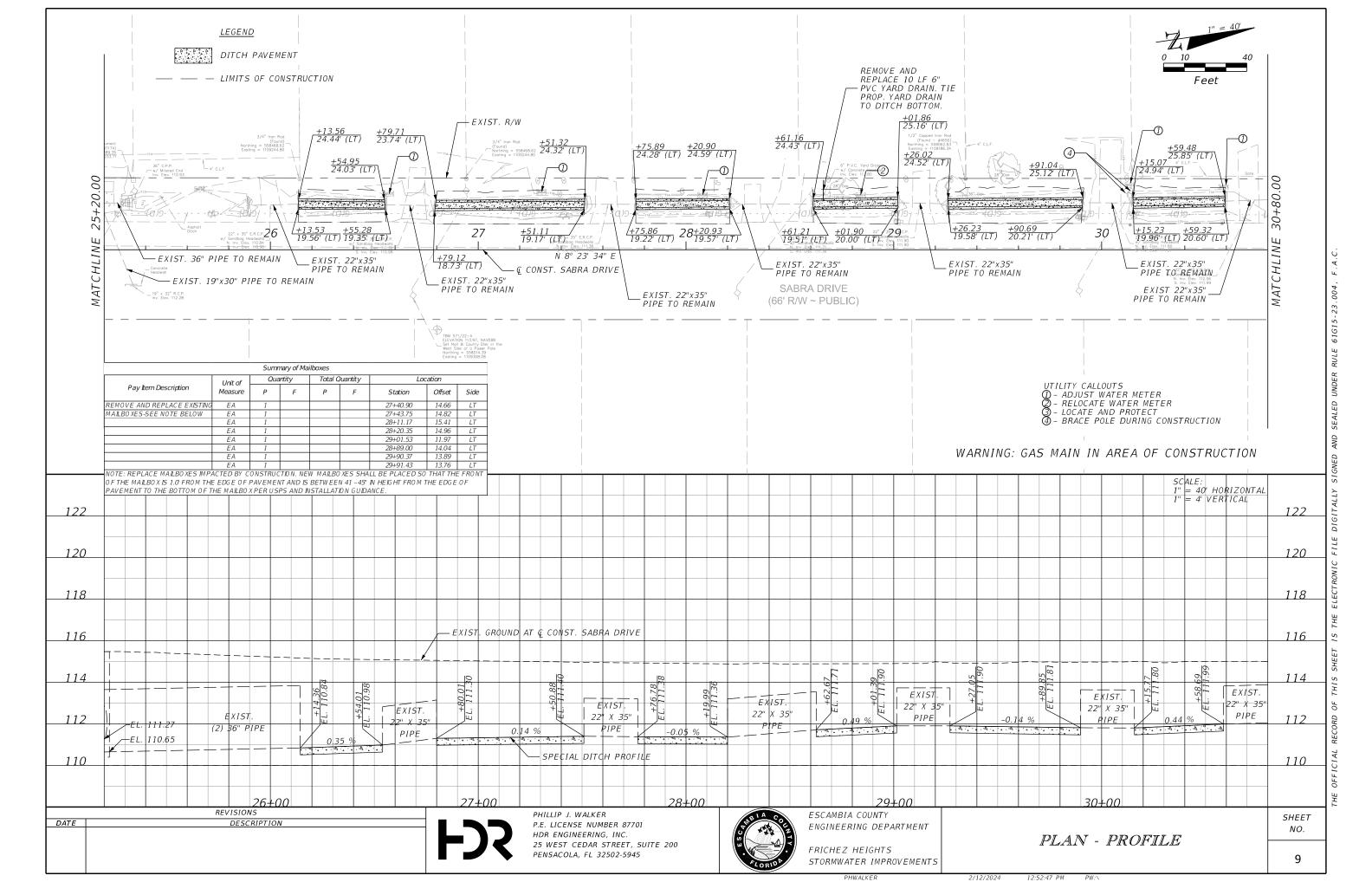
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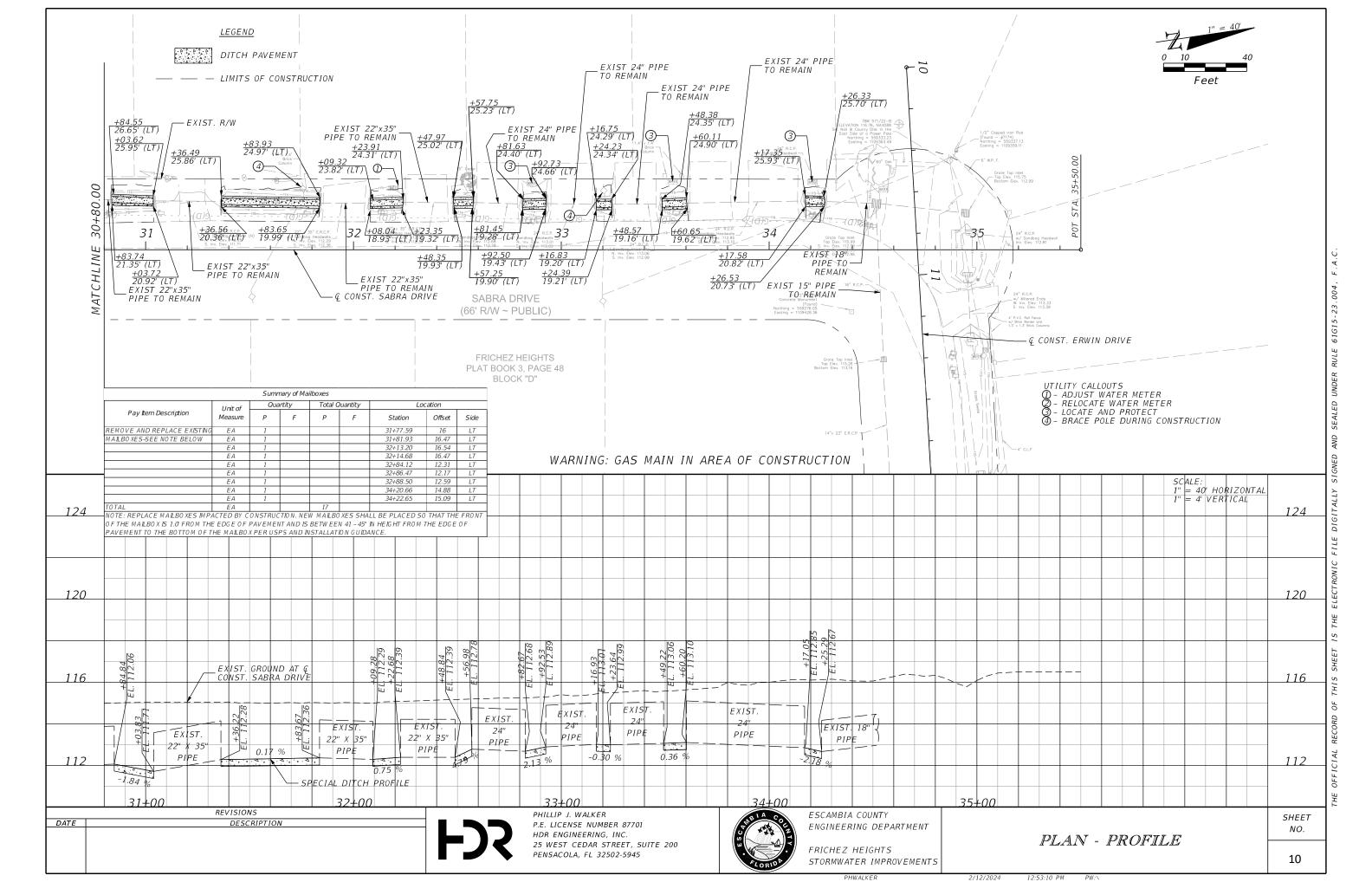
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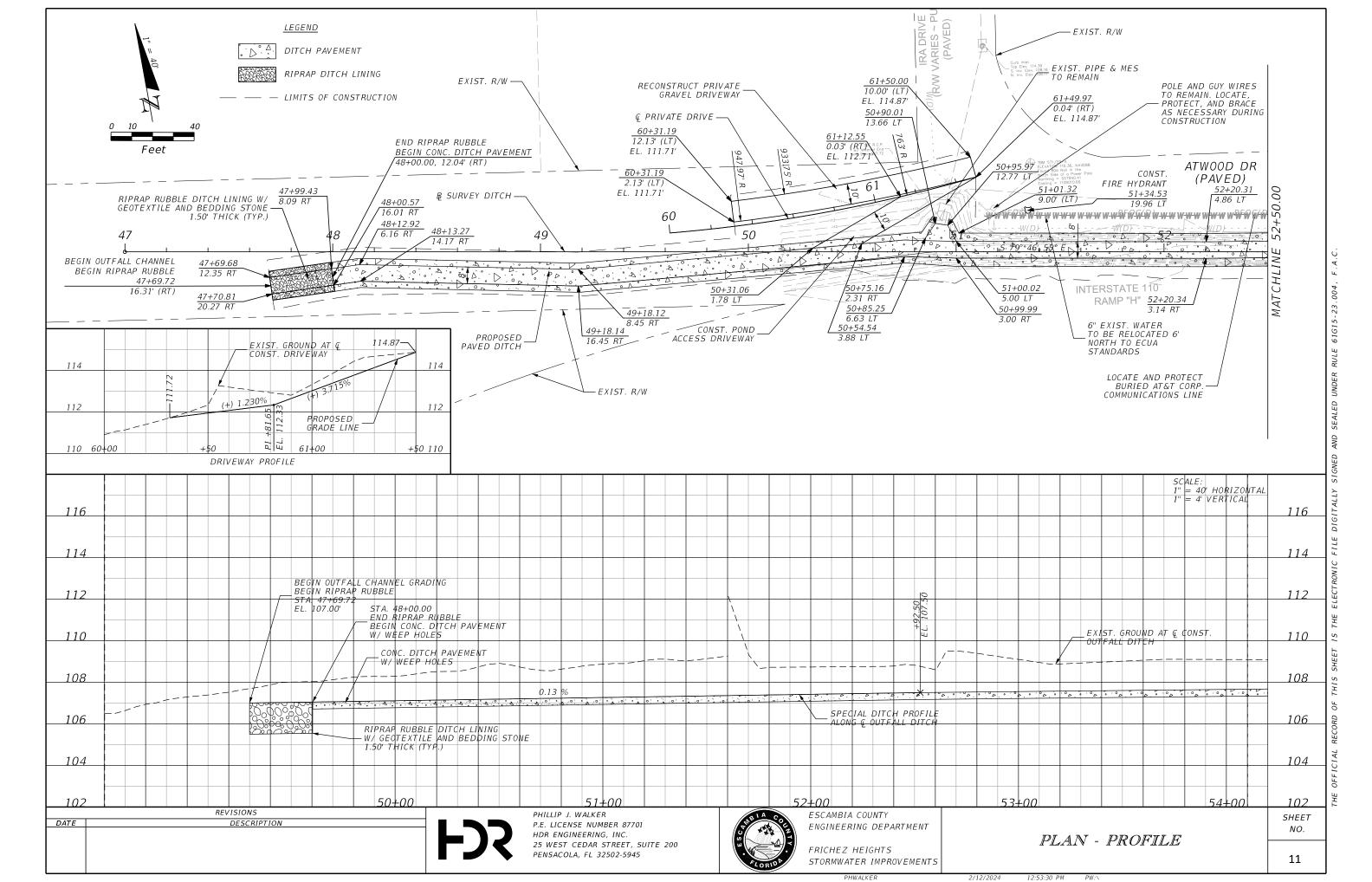
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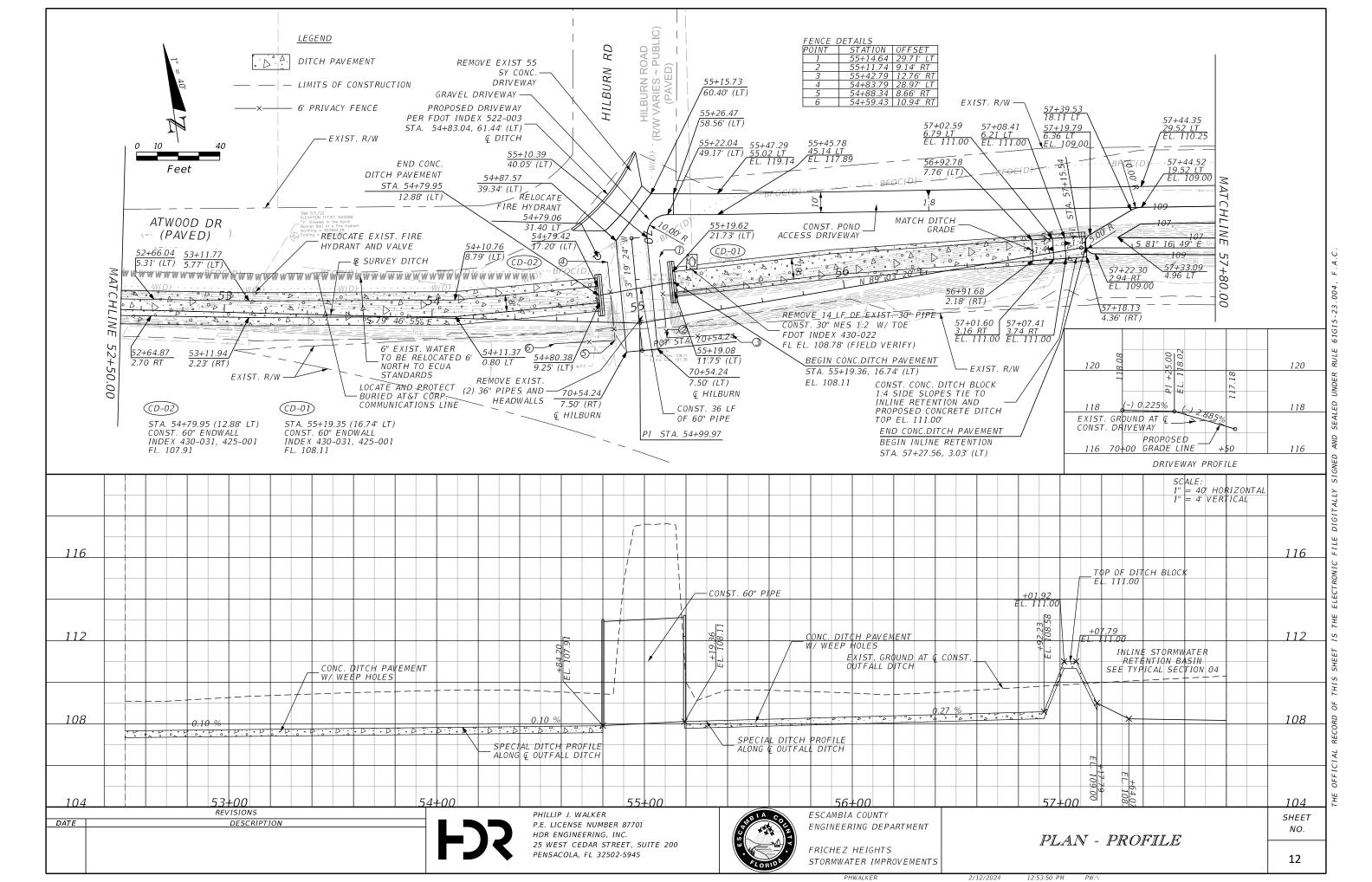
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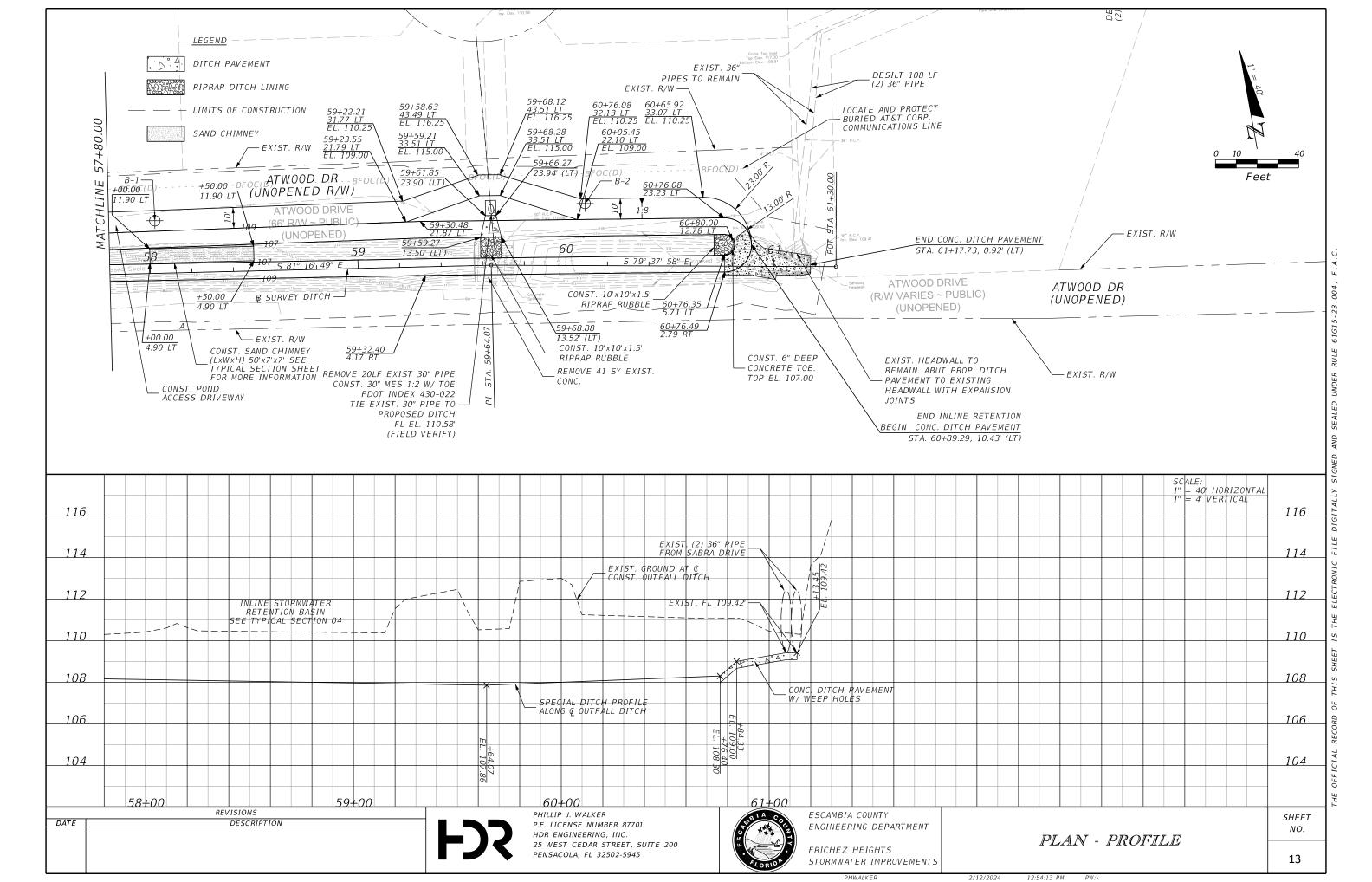




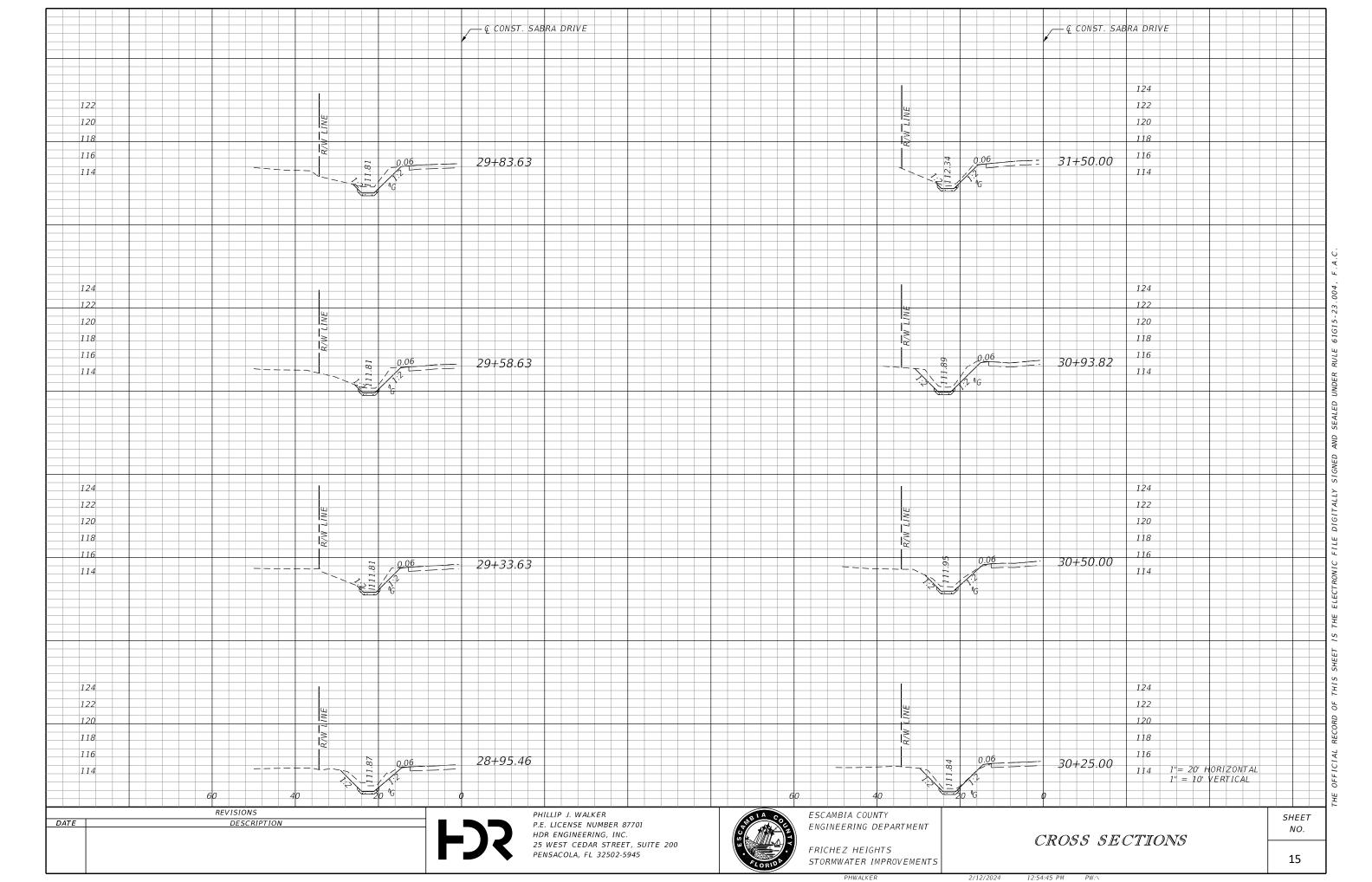


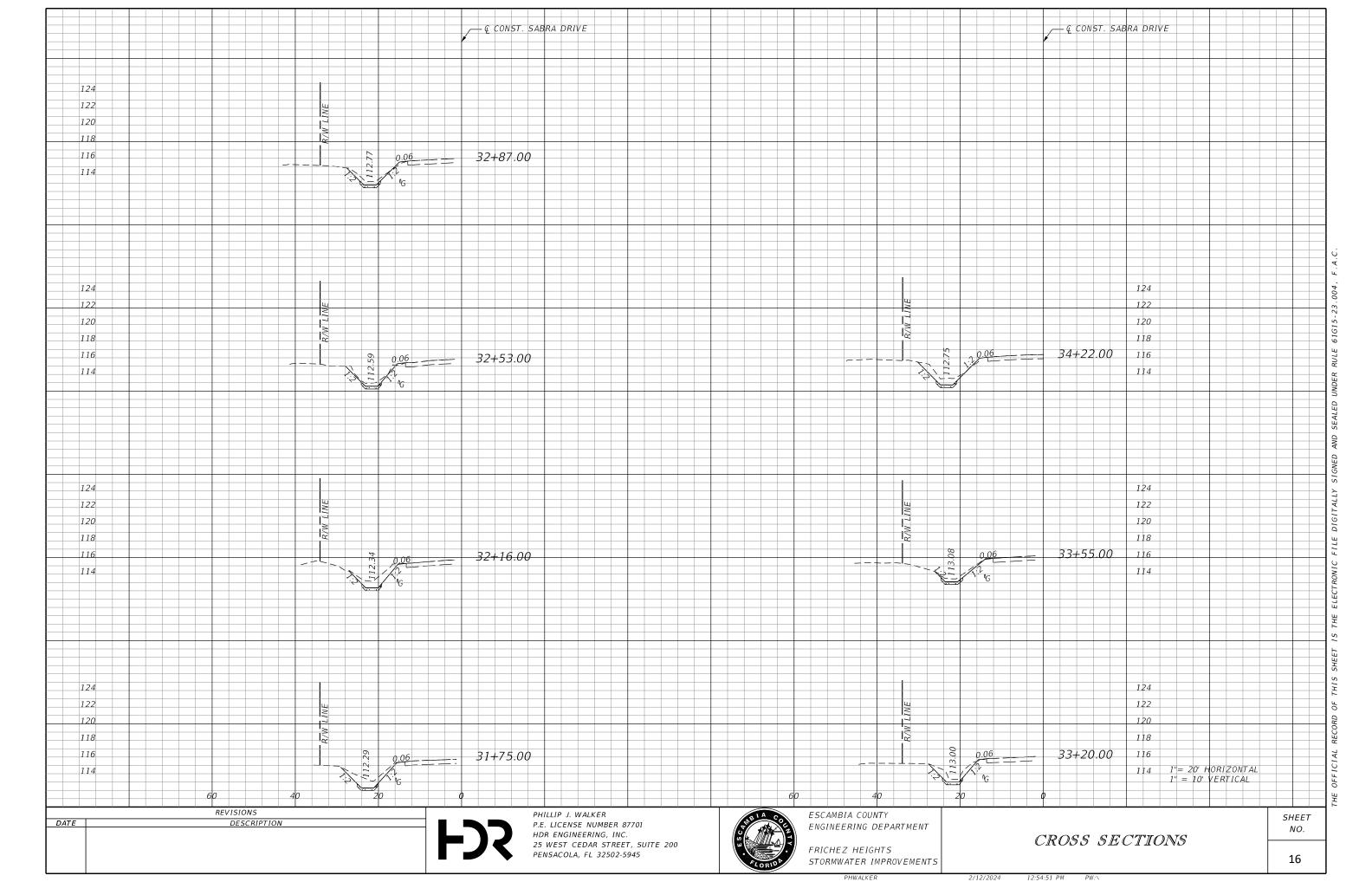








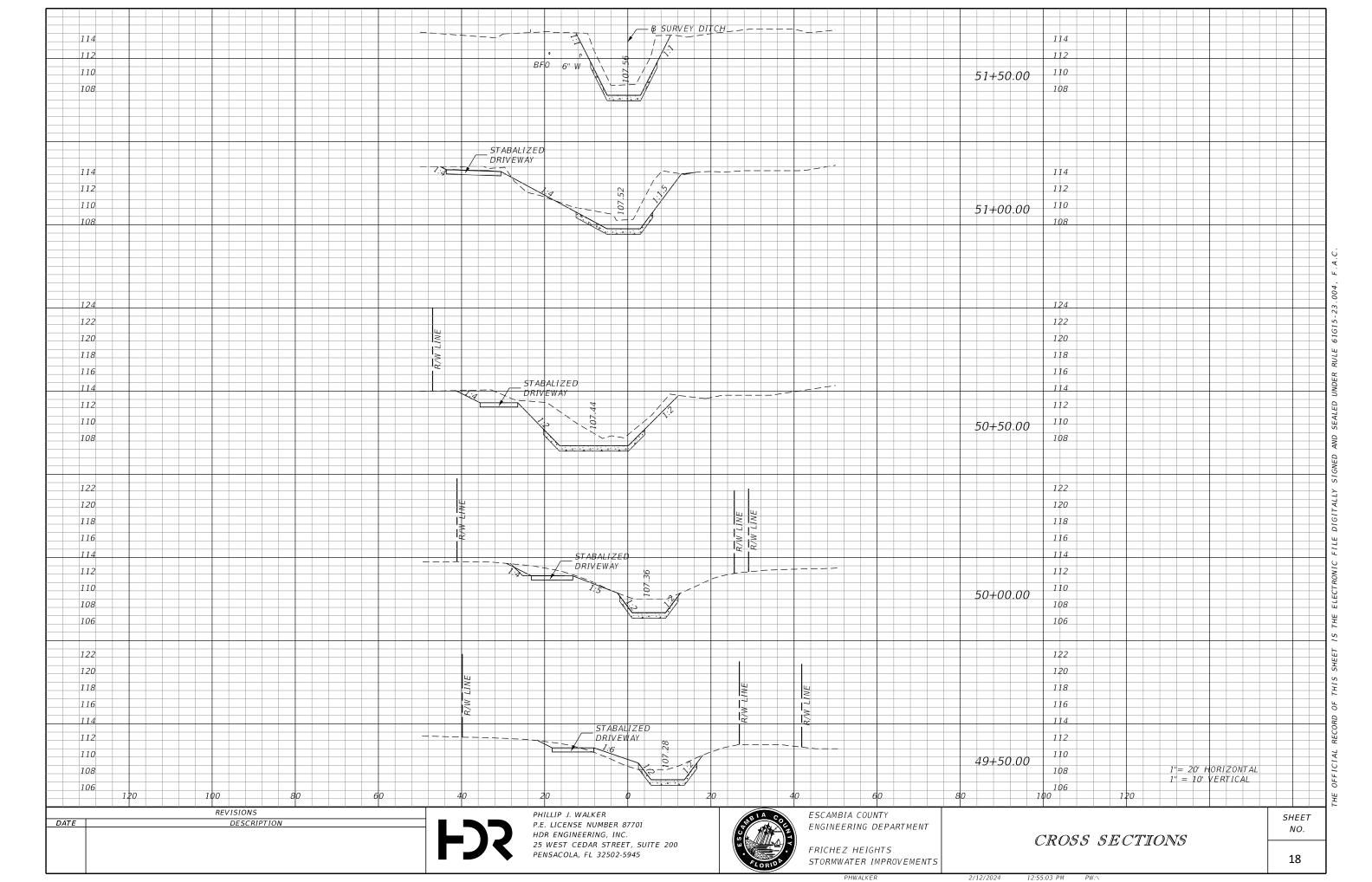


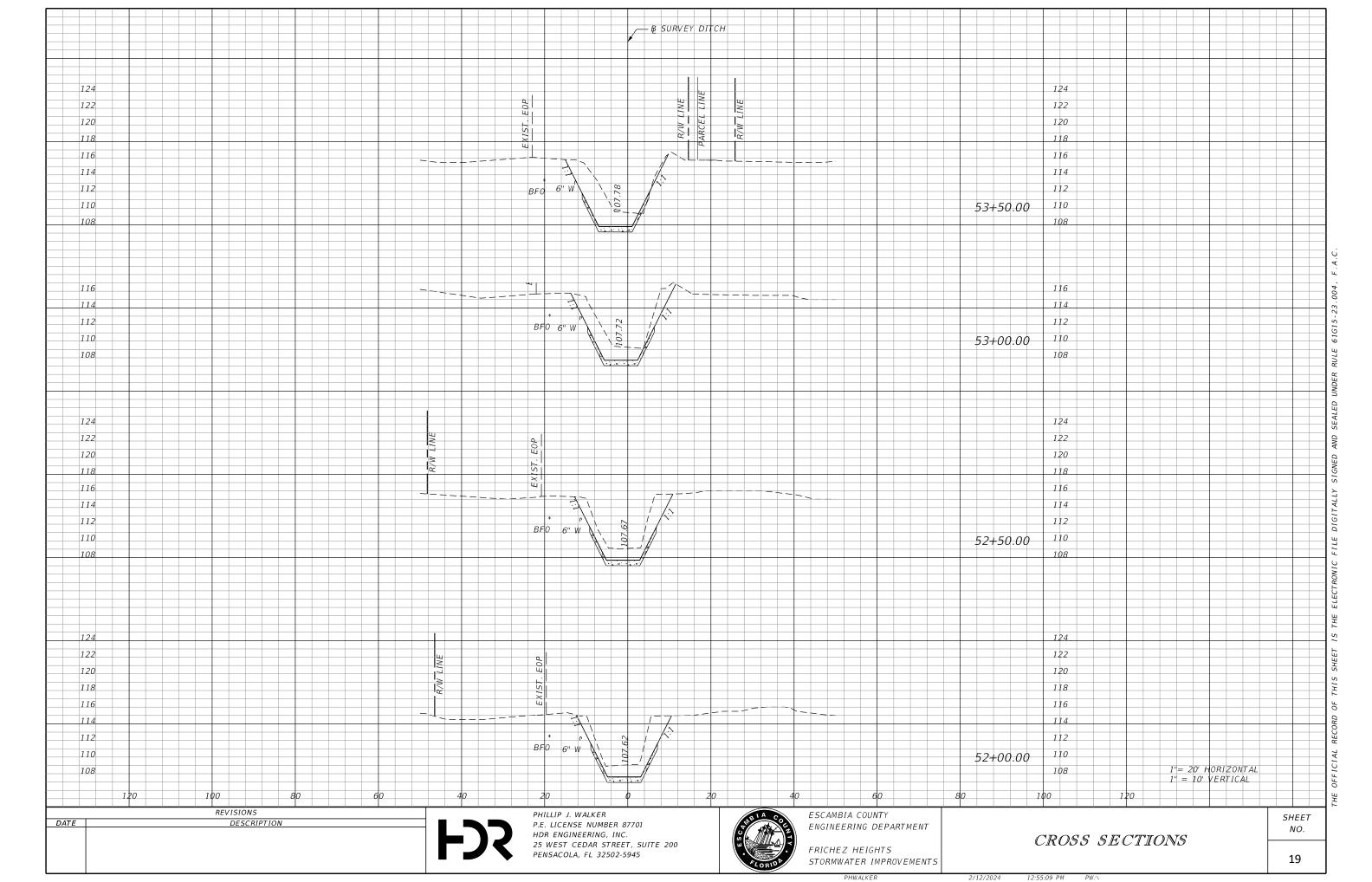


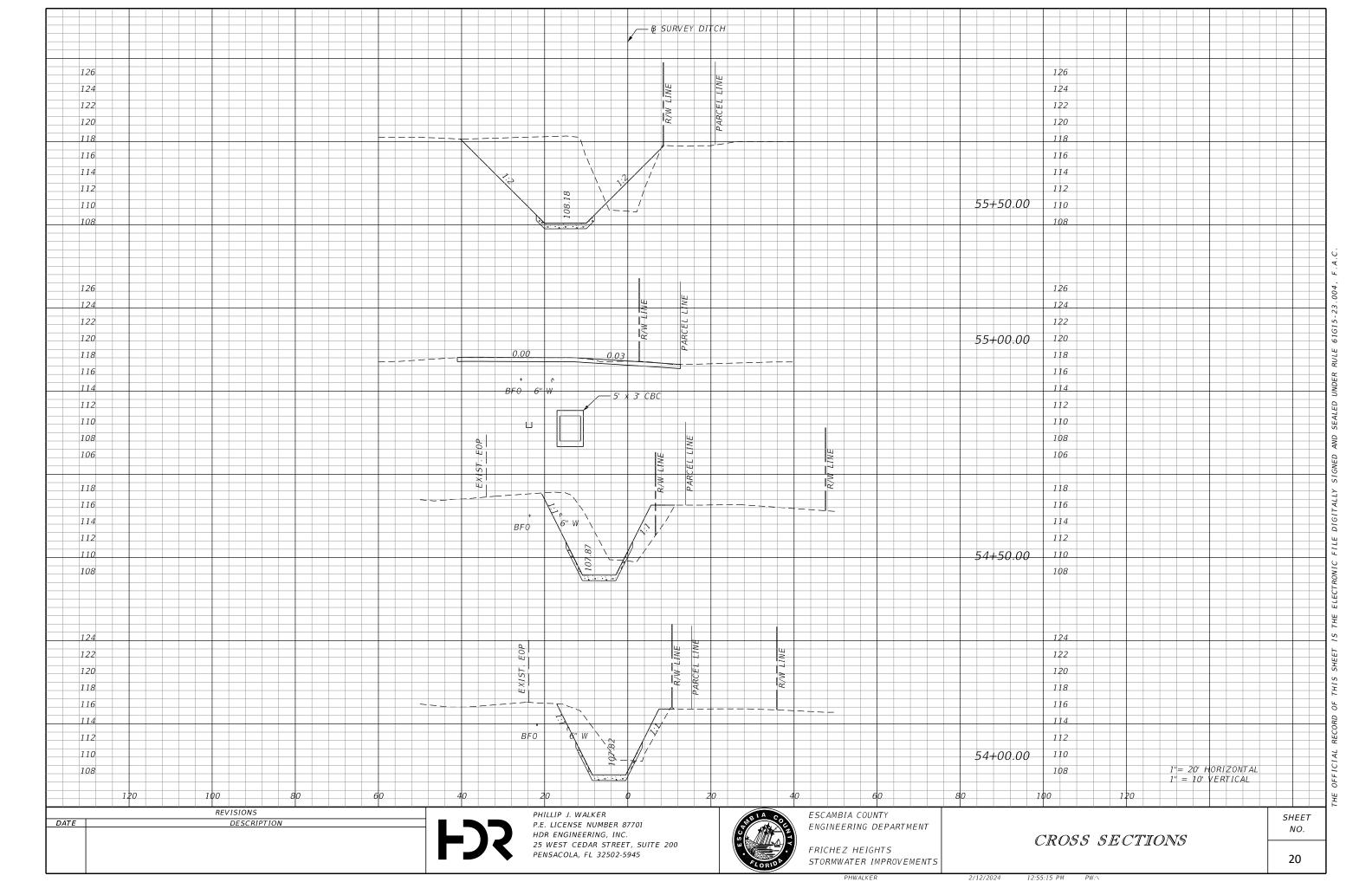


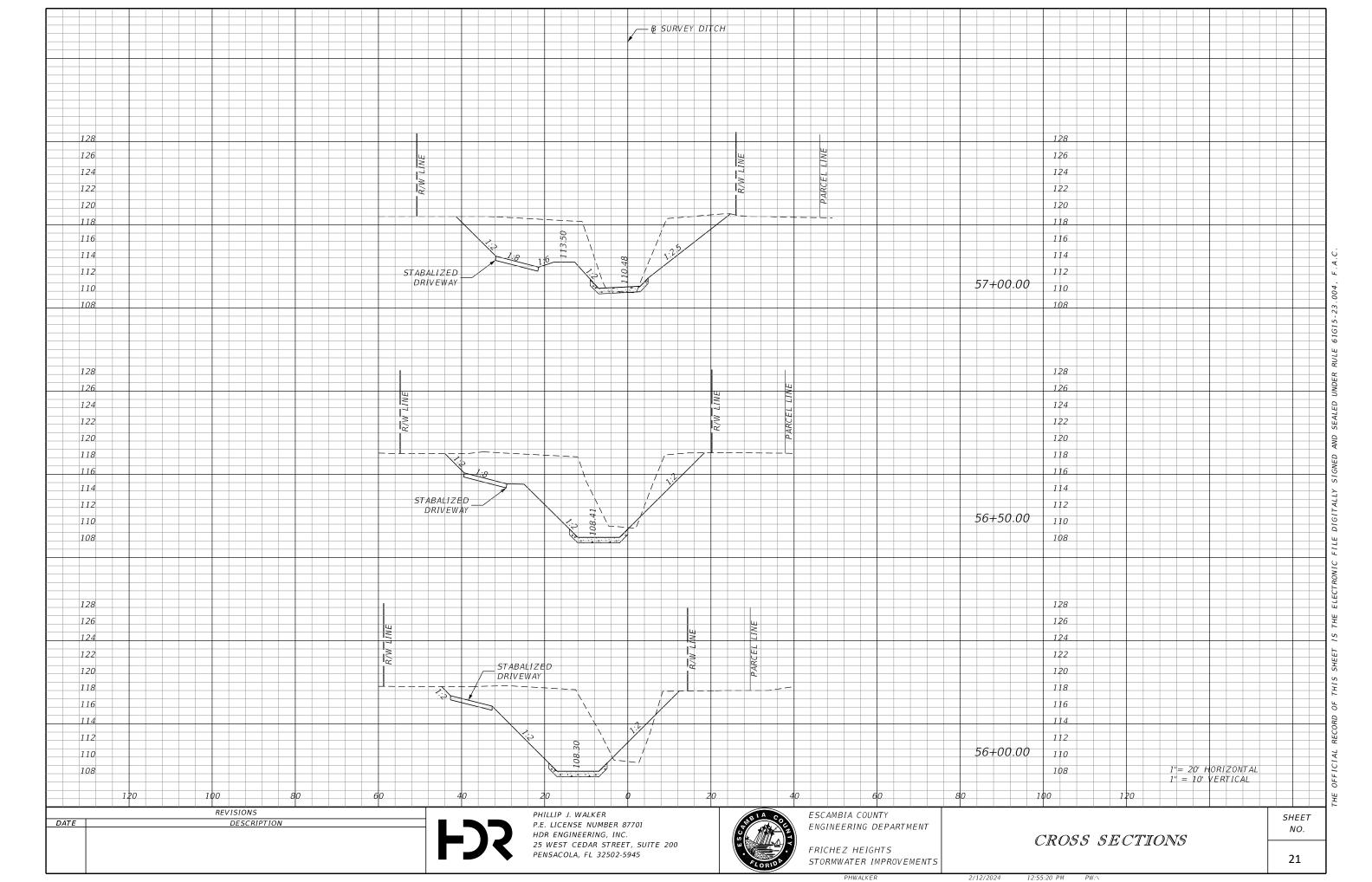
STORMWATER IMPROVEMENTS

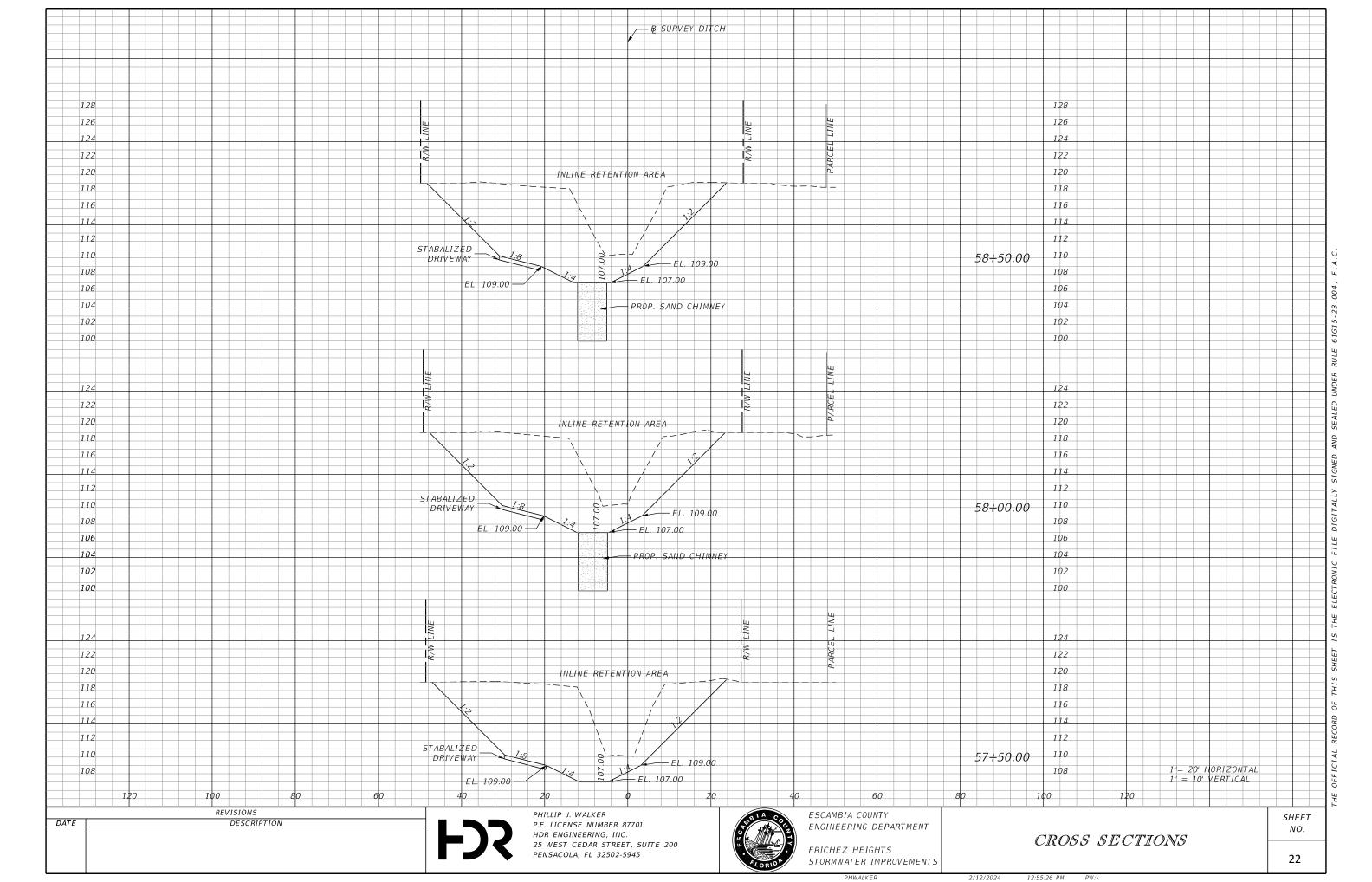
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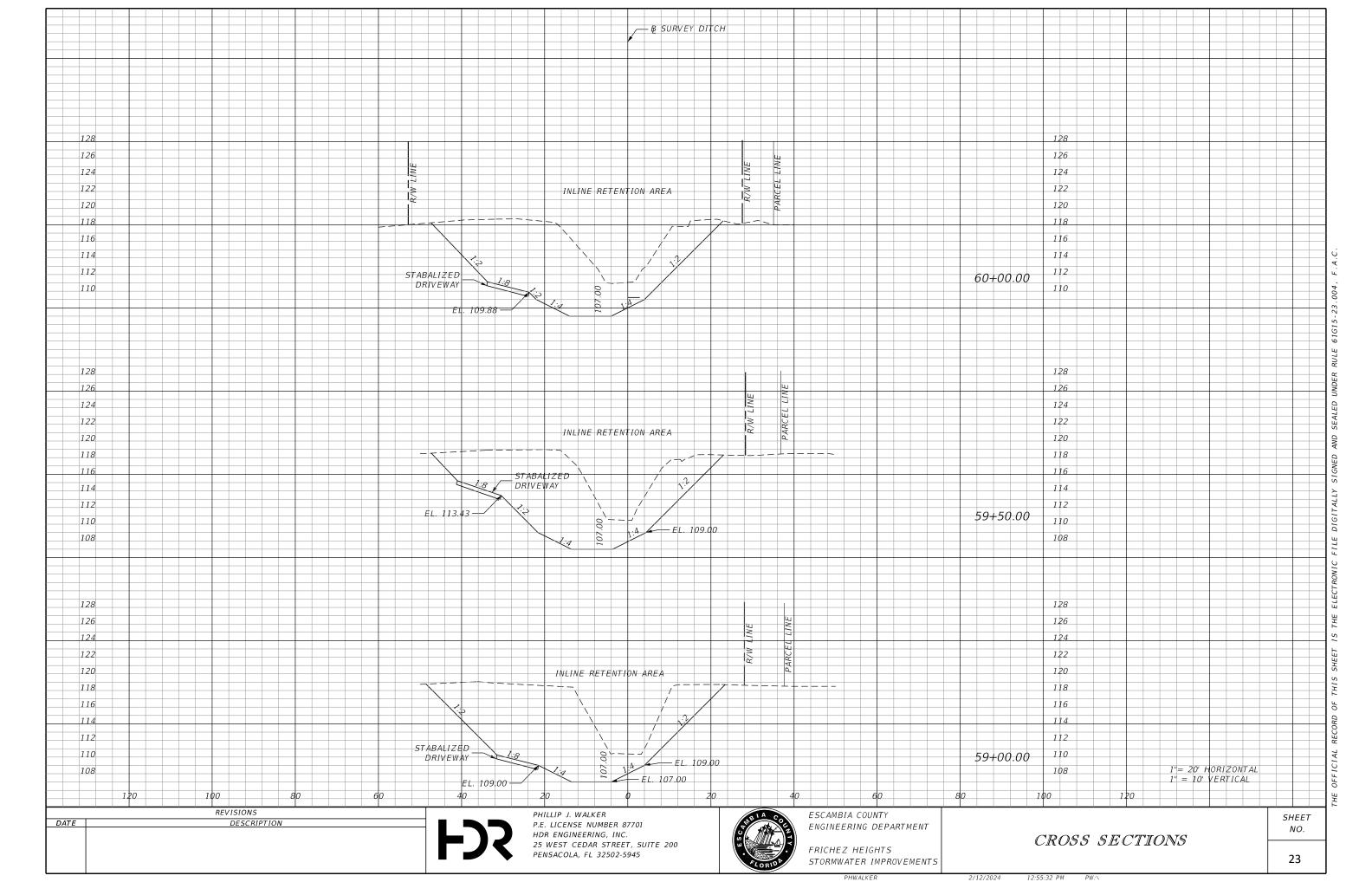


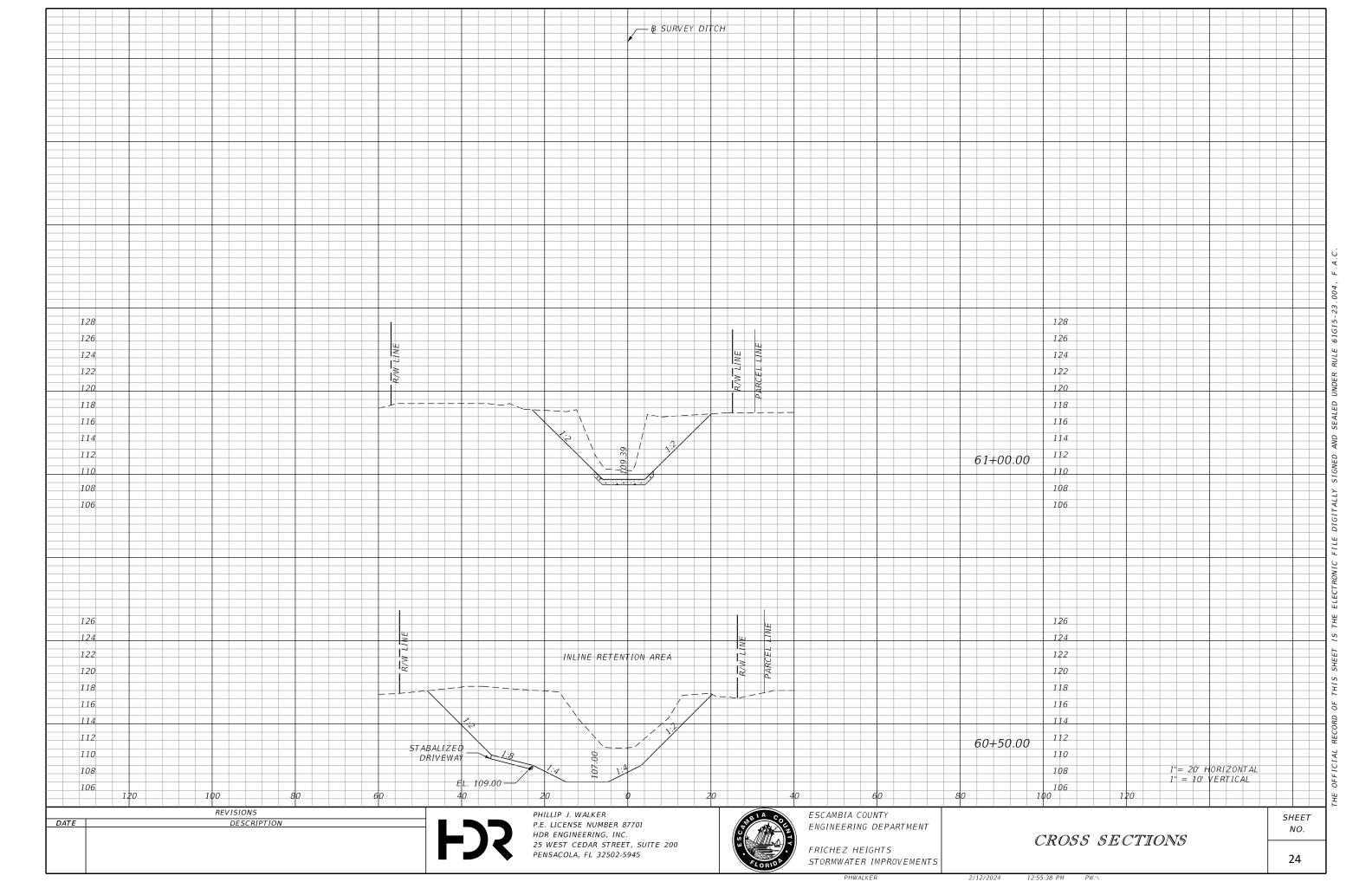












SITE-SPECIFIC EROSION AND SEDIMENT CONTROL PLAN

THE CONTRACTOR'S PROFESSIONAL ENGINEER (PE), OR CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC) WILL PREPARE AND SUBMIT A SITE-SPECIFIC EROSION AND SEDIMENT CONTROL PLAN TO ESCAMBIA COUNTY FOR REVIEW AND APPROVAL PRIOR TO ANY WORK BEING PERFORMED. THE EROSION AND SEDIMENT CONTROL PLAN SHALL FOLLOW GUIDELINES DOCUMENTED IN THE STATE OF FLORIDA, EROSION AND SEDIMENT CONTROL - DESIGNER AND REVIEWER MANUAL, DATED JUNE 2007, UPDATED 2013 (http://www.fdot.govroadway/drainage/files/Erosion-Sediment-Control.pdf).

AT A MINIMUM, THE EROSION AND SEDIMENT CONTROL PLANS FOR THIS PROJECT REQUIRE SEDIMENT BARRIER TO BE PLACED WHERE THERE IS POTENTIAL FOR TURBID STORMWATER RUNOFF TO DISCHARGE OFF-SITE. INLET PROTECTION IS REQUIRED FOR ALL INLETS THAT COULD RECEIVE RUNOFF FROM DISTURBED AREAS. ARTIFICIAL COVERINGS AND TEMPORARY SLOPE DRAINS ARE REQUIRED IN AREAS WITH HIGH SLOPES. RUNOFF CONTROL STRUCTURES WILL BE REQUIRED WITHIN ALL CHANNELS. A SOIL TRACKING PREVENTION DEVICE SHALL BE INSTALLED AT POINTS OF EGRESS FROM UN-STABLIZED AREAS OF THE PROJECT TO PUBLIC ROADS WHERE OFF-SITE TRACKING OF MUD COULD OCCUR.

PAY PARTICULAR ATTENTION TO THE PROTECTION OF UPLAND BUFFERS, NON-IMPACTED WETLANDS, AND SURFACE WATERS ADJACENT TO THE LIMITS OF WORK TO PREVENT TURBID DISCHARGES TO THESE AREAS.

THE MEASURES LISTED ABOVE AND SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS WITH ADDITIONAL CONTROLS TO BE UTILIZED AS NEEDED, DEPENDENT UPON ACTUAL SITE CONDITIONS AND CONSTRUCTION OPERATIONS AND PHASING.

1. SITE DESCRIPTION:

CONSTRUCTION ACTIVITY INCLUDES DITCH RECONSTRUCTION AND PAVING, SEDIMENT BASIN GRADING, AND CULVERT REPLACEMENT.

PROJECT LIMITS:

THE PROJECT GENERALLY HAS TWO MAIN AREAS OF CONSTRUCTION

THE EXISTING DITCHES ALONG THE WEST SIDE OF SABRA DRIVE.

THE EXISTING OUTFALL DITCH ALONG THE ATWOOD DRIVE RIGHT OF WAY.

THE REGRADING, PAVING, AND EXPANSION OF THE EXISTING DITCHES ALONG SABRA DRIVE AND ALONG THE OURFALL DITCH ALONG ATWOOD DRIVE RIGHT OF WAY.

MAJOR SOIL DISTURBING ACTIVITIES INCLUDE DITCH AND SEDIMENT BASIN EXCAVATION.

REVISIONS

TOTAL AREA TO BE DISTURBED:

RUNOFF COEFFICIENTS:

C = 0.50 (BEFORE)

C= 0.65 (DURING)

C= 0.55 (AFTER)

DATE

(2) ESTIMATES OF SIZE OF PROJECT AREA FOR EACH OUTFALL:

PROJECT AREA (DISTURBED) = 1.54 ACRES

CUMMULATIVE AREA CONTRIBUTING TO OUTFALL = APPROX. 110 ACRES

(3) LOCATIONS OF OUTFALLS:

OUTFALL: LAT N30° 30' 21", LONG. W87° 14' 02"

(4) DESCRIPTION OF SOIL OR QUALITY OF DISCHARGE:

SOILS ARE PRIMARILY BONIFAY LOAMY SAND AND POARCH SANDY LOAM.

THE CONSTRUCTION PLANS ARE BEING USED FOR THE SITE MAP.

2. CONTROLS:

TEMPORARY EROSION CONTROL MEASURES ARE SHOWN ON THE EROSION CONTROL PLANS AND PERMANENT EROSION CONTROL MEASURES ARE SHOWN IN THE CONSTRUCTION PLANS.

a. EROSION AND SEDIMENT CONTROLS:

(1) STABILIZATION PRACTICES:

TEMPORARY MULCHING

χ_TEMPORARY SODDING __X__ARTIFICIAL COVERING X BUFFER ZONES TEMPORARY GRASSING
X PERMANENT PLANTING, SODDING, OR SEEDING
PRESERVATION OF NATURAL RESOURCES

-LOCATION OF ARTIFICIAL COVERING IS TO BE DETERMINED BASED ON SITE CONDITIONS -THIS LIST MAY NOT INCLUDE ALL MEASURES BASED ON ACTUAL SITE CONDITIONS

STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 14 DAYS, IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED.

THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE EROSION CONTROL PLAN SUBMITTED TO THE COUNTY.

(2) STRUCTURAL PRACTICES:

SAND BAGGING	SEDIMENI INAPS
X SEDIMENT BARRIER	X SEDIMENT BASINS
SYNTHETIC BALES	STORM INLET SEDIMENT TRAP
X_BERMS	STONE OUTLET STRUCTURES
DIVERSION, INTERCEPTOR, OR PERIMETER DITCHES	CURBS AND GUTTERS
PIPE SLOPE DRAINS	X STORM SEWERS
FLUMES	X VELOCITY CONTROL DEVICES
X ROCK BEDDING AT CONSTRUCTION EXIT	FLOATING TURBIDITY BARRIER
TIMBER BEDDING AT CONSTRUCTION EXIT	X RIPRAP
X RUNOFF CONTROL STRUCTURE	WATTLES
X INVET PROTECTION	

LOCATIONS OF SEDIMENT BASINS, STORM DRAINS, AND RIP RAP ARE SHOWN ON THE CONSTRUCTION PLANS. THIS LIST MAY NOT INCLUDE ALL CONTROL MEASURES. ACTUAL SITE CONDITIONS MAY REQUIRE ADDITIONAL CONTROL MEASURES.

SEDIMENT BARRIER WILL BE USED TO PROTECT ALL UNDISTURBED WETLANDS, IF ENCOUNTERED.

THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE EROSION CONTROL PLAN SUBMITTED TO THE COUNTY.

b. DESCRIPTION OF SEDIMENT BASINS:

THERE IS 1 INLINE SEDIMENT BASIN FACILITY TO BE CONSTRUCTED WITH THIS PROJECT.

c. OTHER CONTROLS

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE EROSION CONTROL PLAN SUBMITTED TO THE COUNTY.

(2) OFFSITE VEHICLE TRACKING:

X HAUL ROADS DAMPENED FOR DUST CONTROL

X LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN

X EXCESS DIRT ON ROAD REMOVED DAILY

X STABILIZED CONSTRUCTION ENTRANCES

THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE EROSION CONTROL PLAN SUBMITTED TO THE COUNTY.

(3) SANITARY WASTE:

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE EROSION CONTROL PLAN SUBMITTED TO THE COUNTY.

(4) FERTILIZERS AND PESTICIDES:

FERTILIZER WILL BE APPLIED ACCORDING TO APPLICABLE SUBSECTIONS OF THE ESCAMBIA COUNTY GENERAL PAVING & DRAINAGE TECHNICAL SPECICATIONS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DOCUMENTING THE USE OF PESTICIDES IN THE EROSION CONTROL PLAN SUBMITTED TO

(5) TOXIC SUBSTANCES (INCLUDING SPILL REPORTING):

THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE EROSION CONTROL PLAN SUBMITTED TO THE COUNTY. IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT THE COUNTY PROJECT MANAGER IMMEDIATELY.

d. FEDERAL, STATE, AND LOCAL PLANS, AND PERMITS

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT, ERP GENERAL PERMIT GEN-033-316089-1

- FDEP NPDES GENERIC PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION SITE,

(CH 62-621 FAC) TO BE OBTAINED BY THE CONTRACTOR

- THERE ARE NO JURISDICTIONAL WETLANDS IN THE DISTRUBED PROJECT LIMITS

3. MAINTENANCE:

MAINTENANCE OF PERMANENT AND TEMPORARY FEATURES SHALL BE DONE IN ACCORDANCE WITH THE ESCAMBIA COUNTY GENERAL PAVING & DRAINAGE TECHNICAL SPECIFICATIONS.

THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE EROSION CONTROL PLAN SUBMITTED TO THE COUNTY.

4. INSPECTION:

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INSPECTIONS OF EROSION CONTROL FEATURES. QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS 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 FROM THE PROJECT SITE
- -DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED
- -AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION
- -STRUCTURAL CONTROLS
- -SEDIMENT BASINS
- -LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE

5. NON-STORMWATER ACTIVITIES:

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL DEWATERING PERMITS AND IDENTIFYING ALL ANTICIPATED NON-STORMWATER DISCHARGES.

PHILLIP J. WALKER P.E. LICENSE NUMBER 87701 HDR ENGINEERING, INC. 25 WEST CEDAR STREET, SUITE 200 PENSACOLA, FL 32502-5945

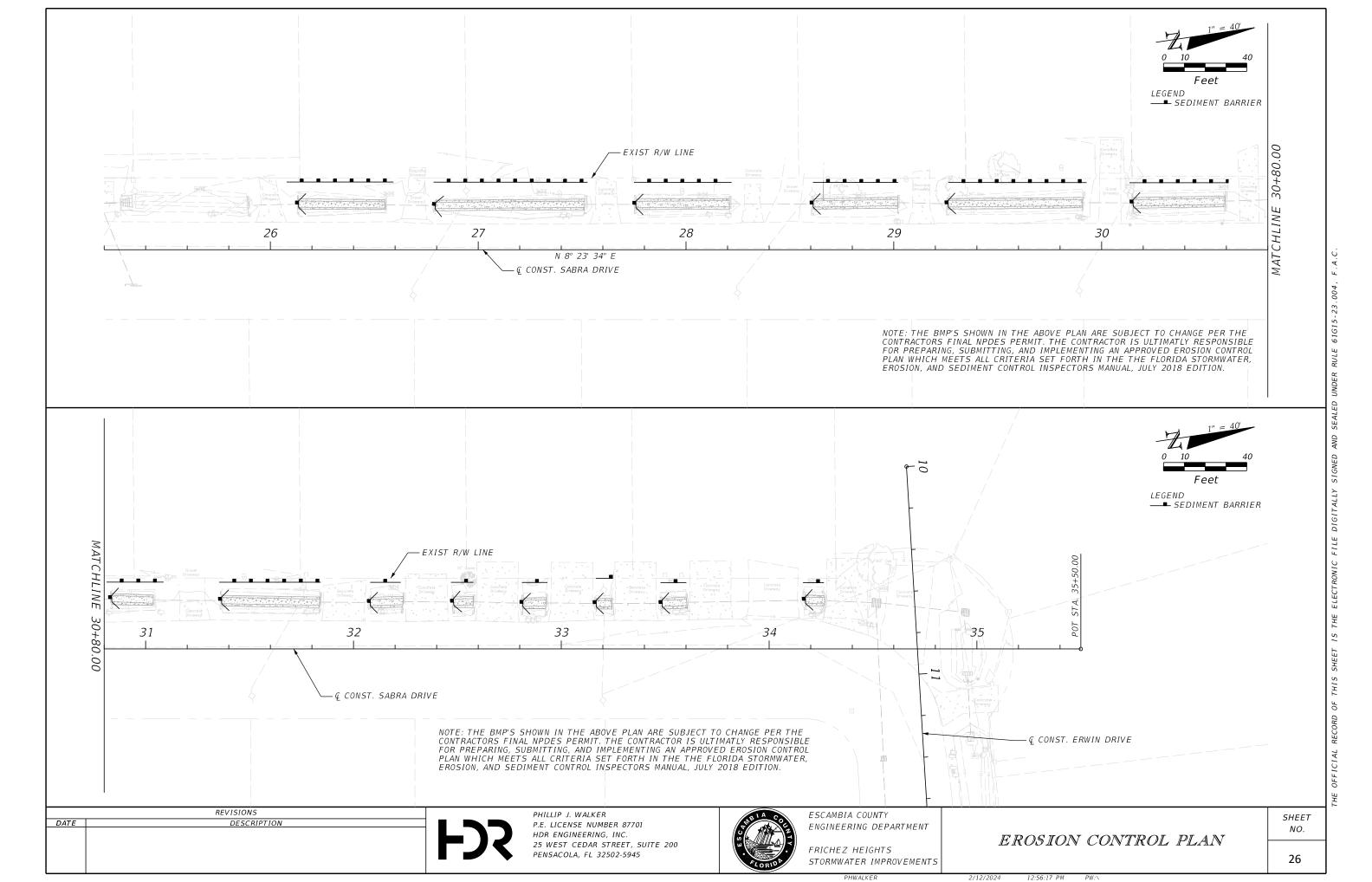


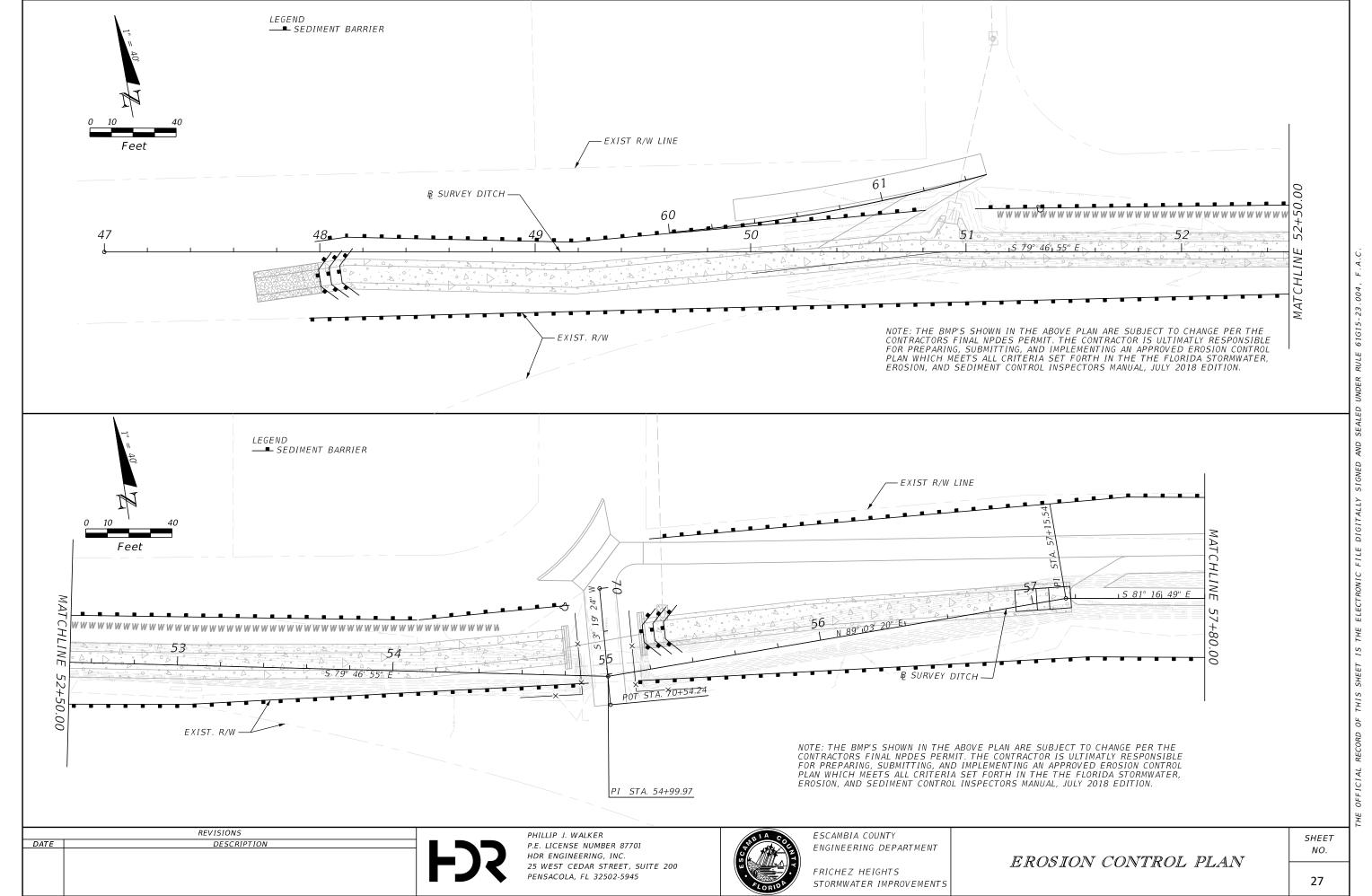
ESCAMBIA COUNTY ENGINEERING DEPARTMENT

FRICHEZ HEIGHTS STORMWATER IMPROVEMENTS STORM WATER POLLUTION PREVENTION PLAN

SHEET NO.

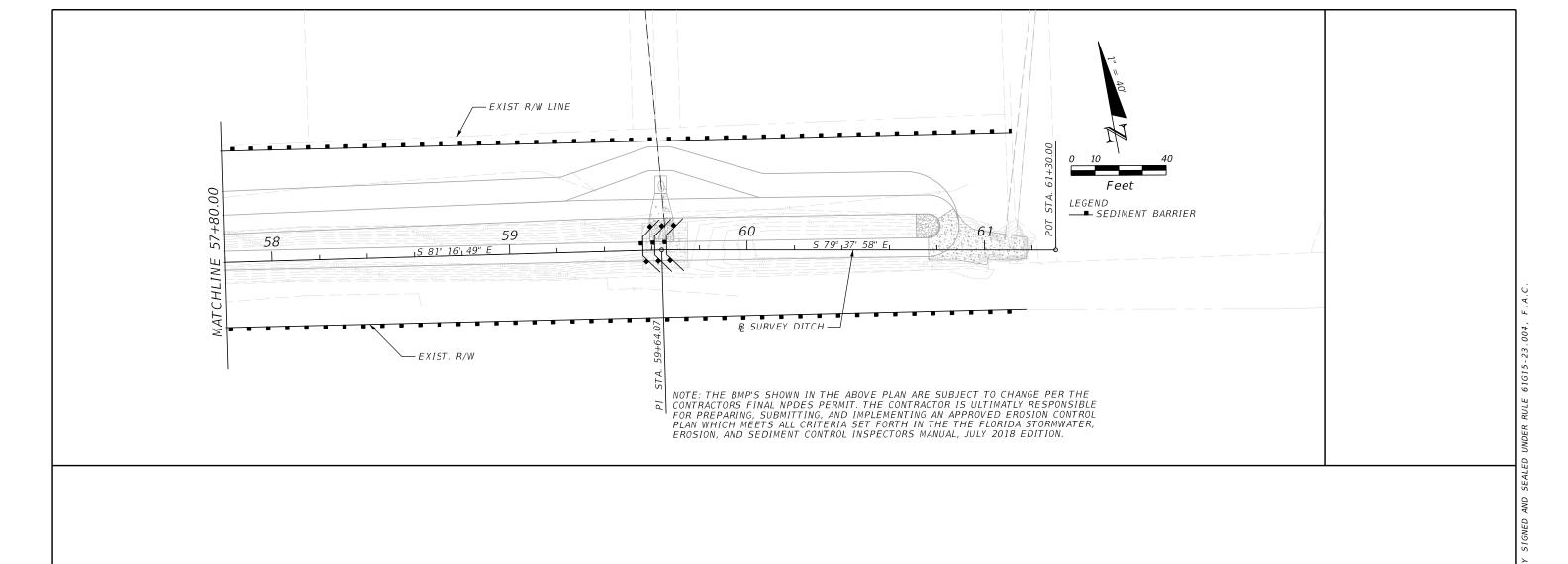
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REVISIONS
DATE DESCRIPTION



PHILLIP J. WALKER
P.E. LICENSE NUMBER 87701
HDR ENGINEERING, INC.
25 WEST CEDAR STREET, SUITE 200
PENSACOLA, FL 32502-5945



ESCAMBIA COUNTY

ENGINEERING DEPARTMENT

FRICHEZ HEIGHTS STORMWATER IMPROVEMENTS

EROSION CONTROL PLAN

SHEET NO.

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2/12/2024