



**AMENDED AGENDA
PARKS AND RECREATION ADVISORY COMMITTEE
WORKSHOP
MARCH 3, 2025
9:00 AM
*123 SOUTH FRONT STREET
FERNANDINA BEACH, FL 32034**

- 1. CALL TO ORDER**
- 2. ROLL CALL**
- 3. DISCUSSION**
 - 3.1 Waterfront Play Structure Review
- 4. ADJOURNMENT**

All members of the public are invited to be present and be heard. Persons with disabilities requiring accommodations in order to participate in this program or activity should contact the City Clerk at 904-310-3115 or TTY/TDD 711 (for the hearing or speech impaired).

2:\20401\20401_20202\DRAWINGS\DRAWINGS\CONSTRUCTION PLANS\20401_20202 - CSJMB - July 8, 2024 - 6:30 PM

DRAINAGE LEGEND		
	EXISTING	PROPOSED
PIPE	- - - - -	- - - - -
DITCH		→ - - - -
CURB INLET (CI) CATCH BASIN (CB)		
CURB INLET - RIGHT (CI) OR CATCH BASIN - RIGHT (CB)	OR	OR
CURB INLET - LEFT (CI) OR CATCH BASIN - LEFT (CB)	OR	OR
CURB INLET - BOTH (CI) OR CATCH BASIN - BOTH (CB)	OR	OR
CONTROL STRUCTURE (CS)		
DITCH INLET (DI)		
GRATE INLET (GI)		
HOODED INLET (HI)	OR	OR
JUNCTION BOX (JB)		
MANHOLE (SDMH)		
ROLL CURB INLET (RC)		
ROOF INLET (RI)		
VALLEY INLET (VI)		
YARD INLET (YI)		
BEVELED END SECTION (BES)		
END SECTION (ES)		
FLARED END SECTION (FES)		
11- $\frac{1}{4}$ " BEND - HORIZONTAL		
22- $\frac{1}{2}$ " BEND - HORIZONTAL		
45" BEND - HORIZONTAL		
90" BEND - HORIZONTAL		
CLEANOUT		
PLUG		
TEE		
WYE		

OTHER UTILITIES LEGEND	
	EXISTING
NATURAL GAS	— UGG —
TELEPHONE	— OHT —
UNDERGROUND TELEPHONE	— UTL —
ELECTRICITY	— OHP —
UNDERGROUND ELECTRICITY	— UGP —

ABBREVIATIONS

DBL	DOUBLE		FM	FORCE MAIN (SANITARY SEWER)	PC	POINT OF CURVE	TC	TOP OF CURB
BOT	BOTTOM		FP	FINISH PAD	PH	POST HYDRANT	TH	THROAT ELEVATION
CB	CATCH BASIN		FR	FRAME	PT	POINT OF TANGENT	TG	TOP OF GUTTER
CI	CURB INLET		GI	GRATE INLET	PVC	POLYVINYL CHLORIDE	TP	TOP OF PAVEMENT
CO	CLEAN OUT		GV	GATE VALVE	RCP	REINFORCED CONCRETE PIPE	TW	TOP OF WALK
CPP	CORRUGATED PLASTIC PIPE		HDPE	HIGH DENSITY POLYETHYLENE	RC	ROLL CURB INLET	TYP	TYPICAL
DBL	DOUBLE		HI	HOODED INLET	RCP	REINFORCED CONCRETE PIPE	VI	VALLEY INLET
DI	DITCH INLET		INV	INVERT ELEVATION	RI	ROOF INLET	W	WATER
DIP	DUCTILE IRON PIPE		JB	JUNCTION BOX	RJP	RESTRAINED JOINT PIPE	W/	WITH
EL	ELEVATION		LF	LINEAR FEET	R/W	RIGHT-OF-WAY	WV	WATER VALVE
ES	END SECTION		MAX	MAXIMUM	SD	STORM DRAINAGE	YI	YARD INLET
FES	FLARED END SECTION		MIN	MINIMUM	SDMH	STORM DRAINAGE MANHOLE	YI	YARD INLET
FG	FINISH GRADE		MH	MANHOLE	SF	SQUARE FEET		
FH	FIRE HYDRANT		OC	ON CENTER	SS	SANITARY SEWER		

SEWER LEGEND

	EXISTING	PROPOSED
GRAVITY PIPE	— SS —	— — —
SINGLE SERVICE LATERAL	— — —	— — —
DOUBLE SERVICE LATERAL		
DROP MANHOLE (DMH)		
MANHOLE (MH)		
CLEANOUT (CO)		
FORCEMAIN	— 10"FM —	— 10"FM —
AIR RELEASE VALVE (ARV)		
CHECK VALVE (CV)		
PLUG VALVE AND BOX (PV)		
FLUSH HYDRANT		
PUMP CONNECTION (PC)		
REDUCER		
TRACER WIRE ACCESS BOX (TWAB)		
CROSS		
TEE		
TAPPING SLEEVE (TS)		
90" BEND HORIZONTAL		
45" BEND HORIZONTAL		
22- $\frac{1}{2}$ " BEND HORIZONTAL		
11- $\frac{1}{4}$ " BEND HORIZONTAL		
BEND VERTICAL		
PLUG \ CAP		

WATER LEGEND

	EXISTING	PROPOSED
WATER MAIN	— 10"W —	— 10"W —
SINGLE SERVICE LATERAL	— — —	— — —
DOUBLE SERVICE LATERAL		
BUTTERFLY VALVE (BV)		
DOUBLE CHECK DETECTOR ASSEMBLY (DCCA)		
GATE VALVE AND BOX (GV)		
POST INDICATOR VALVE (PIV)		
TAPPING SLEEVE AND VALVE (TSV)		
REDUCED PRESSURE ZONE BACKFLOW (RPZ)		
WATER METER (WM)		

WATER LEGEND

	EXISTING	PROPOSED
TRACER WIRE ACCESS BOX (TWAB)		
FIRE HYDRANT W/TEE, VALVE & BOX (FHA)		
POST HYDRANT (PH)		
REDUCER		
CROSS		
TEE		
90" BEND - HORIZONTAL		
45" BEND - HORIZONTAL		
22- $\frac{1}{2}$ " BEND - HORIZONTAL		
11- $\frac{1}{4}$ " BEND HORIZONTAL		
BEND - VERTICAL		
CAP		

GENERAL NOTES

- CONTRACTOR SHALL COORDINATE TIE-IN OF NEW WATER AND SEWER FACILITIES TO THE CITY OF FERNANDINA BEACH. CONTRACTOR SHALL MAINTAIN MINIMUM COVER OVER THE WATER MAIN PIPE BARREL OF 3'-0" UNLESS OTHERWISE INDICATED. TOP OF PIPE ELEVATIONS ARE SHOWN FOR CASES WHERE FUTURE STORM SEWERS ARE TO BE INSTALLED. IN NO CASE SHALL THE WATER MAIN BE INSTALLED AT A LOWER ELEVATION THAN THAT SHOWN.
- SHOULD PIPE, FITTINGS, AND OTHER MATERIALS BE NEEDED IN ADDITION TO THAT SHOWN ON THE DRAWINGS BECAUSE PIPELINE WAS NOT INSTALLED TO THE ALIGNMENT AND PROFILE SHOWN, THEN THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THOSE NECESSARY MATERIALS AND PROVIDING THE EQUIPMENT AND LABOR TO INSTALL THEM TO MEET THE DESIGN INTENT OF THE WATERMAIN AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER 48 HOURS IN ADVANCE OF ALL REQUIRED TESTS AND INSPECTIONS.
- THE CONTRACTOR WILL NOTIFY THE ENGINEER IF UNSUITABLE MATERIAL IS DISCOVERED PRIOR TO BEGINNING ANY REMOVAL OPERATION.
- ALL WATERMANS SHALL BE POLYVINYL CHLORIDE (PVC C900) UNLESS OTHERWISE INDICATED. ALL WATER SERVICES SHALL BE PVC SDR-21 UNLESS OTHERWISE INDICATED.
- ALL GRAVITY SEWER MAINS AND SERVICES SHALL BE POLYVINYL CHLORIDE (PVC SDR26) UNLESS OTHERWISE INDICATED.
- SURVEYING AND BOUNDARY INFORMATION BY MANZIE & DRAKE.
- ALL ELEVATIONS SHOWN ARE BASED ON NAVD88.
- TOPOGRAPHIC SURVEY BY MANZIE & DRAKE..
- CONTRACTOR IS TO VERIFY ACCURACY OF ANY TEMPORARY BENCHMARKS SHOWN PRIOR TO UTILIZING THEM FOR CONSTRUCTION.
- THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES OTHER THAN THOSE SHOWN ARE ENCOUNTERED DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY AND TAKE STEPS TO PROTECT THE LINE(S) AND ENSURE CONTINUED SERVICE. DAMAGE CAUSED TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR. ADDITIONALLY, THE CONTRACTOR SHALL CONFIRM THE CONNECTION POINTS OF NEW UTILITIES TO EXISTING UTILITIES PRIOR TO BEGINNING NEW CONSTRUCTION.
- IF WORK IS SUSPENDED OR DELAYED FOR 14 DAYS, THE CONTRACTOR SHALL TEMPORARILY STABILIZE THE DISTURBED AREA AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL INSTALL ANY BARRICADES PRIOR TO BEGINNING CONSTRUCTION
- THE FOLLOWING NOTES ARE SPECIFIED BY THE COUNTY ENGINEER AND ARE TO BE EXECUTED BY THE CONTRACTOR FOR STREETS IN THE PROJECT WHICH ARE TO BE DEEDED TO THE CITY OF FERNANDINA BEACH:
 - ANY DAMAGE TO EXISTING PAVEMENT MUST BE REPAIRED AT CONTRACTORS EXPENSE AND TO THE SATISFACTION OF THE COUNTY ENGINEER AND THE PROJECT ENGINEER.
 - ALL RIGHT-OF-WAY AND DRAINAGE EASEMENT CONSTRUCTION SHALL MEET FDOT STANDARD SPECIFICATIONS UNLESS SPECIFIED ELSEWHERE AND APPROVED IN WRITING BY THE COUNTY ENGINEER.
 - ALL LOTS WITHIN THE DEVELOPMENT SHALL BE FILLED AND HAVE POSITIVE DRAINAGE TO THE APPROPRIATE EASEMENT OR RIGHT-OF-WAY AS APPROVED ON THE PLANS PRIOR TO THE ISSUANCE OF ANY BUILDING PERMITS OR FINAL ACCEPTANCE OF THE RIGHT-OF-WAYS BY THE COUNTY.
 - WHERE FIELD INSPECTIONS ARE REQUIRED BY THE COUNTY, THE CONTRACTOR SHALL NOTIFY THE ENGINEERING DIVISION A MINIMUM OF 48 HOURS IN ADVANCE TO SCHEDULE SUCH INSPECTIONS.
 - A COMPLETE SET OF APPROVED DRAWINGS AND SPECIFICATIONS MUST BE MAINTAINED ON SITE AT ALL TIMES THAT THE CONTRACTOR IS PERFORMING WORK. THESE DRAWINGS SHALL BE MADE AVAILABLE UPON REQUEST.
- ANY REVISIONS DURING CONSTRUCTION WHICH ALTER THE ROAD LAYOUT, CONSTRUCTION METHODS, RIGHT-OF-WAY LOCATION OR DRAINAGE MUST BE SUBMITTED AND APPROVED IN WRITING BY THE COUNTY ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL CONSTRUCTION PERMITS NECESSARY FROM OTHER RESPONSIBLE AGENCIES.
- ALL TREES SHOWING DISTURBANCE WITHIN THE PROTECTED ROOT ZONE SHALL BE PRUNED AND FERTILIZED BY A CERTIFIED ARBORIST PRIOR TO RECEIVING FINAL PLAT APPROVAL. (THIS WORK WILL BE DONE BY THE OWNER OUTSIDE OF THE CONTRACT.)
- LAKE CONTOURS SHOWN HEREIN WILL PROVIDE A DEPTH ONE FOOT GREATER THAN NECESSARY FOR STORM WATER MANAGEMENT. THIS IS TO PROVIDE FOR ONE FOOT OF SILT BUILDUP DURING CONSTRUCTION OF ANY AREA OF ANY POND WHICH SILTS MORE THAN ONE FOOT ABOVE DESIGNED BOTTOM ELEVATION SHALL BE RESTORED TO THE MINIMUM ACCEPTABLE DEPTH OF ONE FOOT LESS THAN ORIGINAL CONSTRUCTED DEPTH.
- ALL ABOVE GROUND UTILITIES ARE TO BE OUTSIDE OF THE R/W AND ALL AT GRADE UTILITIES ARE TO BE OUT OF THE CURB LINE.
- THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL AND PREVENTION STRUCTURES SHOWN ON THE PLANS. BOTH MUST BE APPROVED BY THE CITY OF FERNANDINA BEACH PRIOR TO BEGINNING ANY LAND DISTURBING ACTIVITIES.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF UNSUITABLE MATERIAL IS DISCOVERED PRIOR TO BEGINNING ANY REMOVAL OPERATION.
- CONTRACTOR WILL BE REQUIRED TO ADJUST MANHOLE FRAMES TO MATCH FINAL GRADE AT NO ADDITIONAL COST.
- THE FOLLOWING NOTES ARE SPECIFIED BY THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT AND ARE TO BE EXECUTED BY THE CONTRACTOR:
 - ALL SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND AFTER ANY STORM EVENT OF GREATER THAN 0.5 INCHES OF PRECIPITATION DURING ANY 24-HOUR PERIOD. ALL SEDIMENT CONTROL FEATURES SHALL BE MAINTAINED UNTIL FINAL STABILIZATION HAS BEEN OBTAINED.
 - STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN 14 DAYS.
 - RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING LOT CONSTRUCTION OR PROVIDE AN INDIVIDUAL PLAN MEETING SECTION R.72-307 OF THE STORM WATER MANAGEMENT AND SEDIMENT REDUCTION ACT REQUIREMENTS.
- ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE CONSTRUCTED SIMULTANEOUSLY WITH THE DISTURBANCE OF THE LAND AND SHALL REMAIN FUNCTIONAL UNTIL THE CONTRIBUTING DISTURBED AREAS ARE STABILIZED. SILT BARRIERS WILL BE INSTALLED AS NECESSARY TO PREVENT EXCESSIVE SEDIMENTATION OF DOWNSTREAM AREAS. FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTORS MANUAL BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION. CONTRACTOR SHALL GRADE AREAS TO DRAIN FOR POSITIVE FLOW PRIOR TO FINAL APPROVAL.
- ALL TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUAL ON "UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS CURRENT EDITION.
- ALL AREAS DISTURBED WILL BE GRASSED IMMEDIATELY AFTER THE INSTALLATION. GRASSING SHALL BE IN ACCORDANCE WITH SECTION 810 OF THE FDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION CURRENT EDITION. PAYMENT SHALL BE AS SHOWN IN THE BID FORM AND SHALL BE COMPENSATION FOR ALL NECESSARY WORK AND MATERIALS TO COMPLETE THE SEEDING IN ACCORDANCE WITH THESE SPECIFICATIONS. (SEE SPECIFICATIONS BELOW)
- ALL DRAINAGE WILL BE MADE FUNCTIONAL DAILY AS WORK PROGRESSES.
- EACH EXISTING ROAD WILL BE CLEANED UP AND RESTORED DAILY.
- NEW PAVEMENT TO BE FLUSH WITH EDGE OF EXISTING PAVEMENT.
- ALL STORM DRAIN PIPE INVERTS IN AND OUT ARE THE SAME AS THE BOX INVERT UNLESS OTHERWISE NOTED ON THE PLAN SHEETS AND/OR PROFILES.
- ALL SEWER VALVES SHALL COMPLY WITH THE CITY OF FERNANDINA BEACH UTILITY CONSTRUCTION SPECIFICATIONS.
- ALL WATER VALVES SHALL COMPLY WITH THE CITY OF FERNANDINA BEACH UTILITY CONSTRUCTION SPECIFICATIONS.
- ONLY TYPE S AND M MORTAR IS TO BE USED IN STORMWATER SYSTEM CONSTRUCTION AND ALL BRICKWORK AND BRICK MUST MEET FDOT SPECIFICATIONS.
- THE DESIGN OF THE PAVEMENT AND EARTHWORK MATERIALS, PROCEDURES AND METHODS SPECIFIED ARE BASED ON THE CITY OF FERNANDINA BEACH MINIMUM STANDARDS.

GENERAL INFORMATION

COUNTY	NASSAU COUNTY	OWNER:	SURVEYOR:
TOWN	FERNANDINA BEACH	CITY OF FERNANDINA BEACH 204 ASH STREET FERNANDINA BEACH, FL 32034 904.277.7300	MANZIE & DRAKE 117 S 9TH STREET FERNANDINA BEACH, FL 32034
ZONING	INDUSTRIAL	ENGINEER:	UTILITY:
		THOMAS & HUTTON 1208 NEWCASTLE STREET, SUITE 201 BRUNSWICK, GA 31520 912.466.0536	NASSAU-AMEILA UTILITIES 5390 1ST COAST HWY FERNANDINA BEACH, FL 32034 904.530.6030

GENERAL NOTES AND INDEX

LOTS C & D
FERNANDINA BEACH WATER
FRONT PARK

PROJECT LOCATION:
FERNANDINA BEACH,
FLORIDA

CLIENT/OWNER:
CITY OF FERNANDINA BEACH
204 ASH STREET
FERNANDINA BEACH, FL 32034

DATUM: HORIZ.: FL83-EF VERT.: NAVD-1988

JOB NO: 29401.0002
DATE: 07/01/2024
DRAWN: RLM
DESIGNED: RLM
REVIEWED: CJE
APPROVED: CJE
SCALE: N/A

G0.1

PERMIT SET - FOR REVIEW PURPOSES ONLY

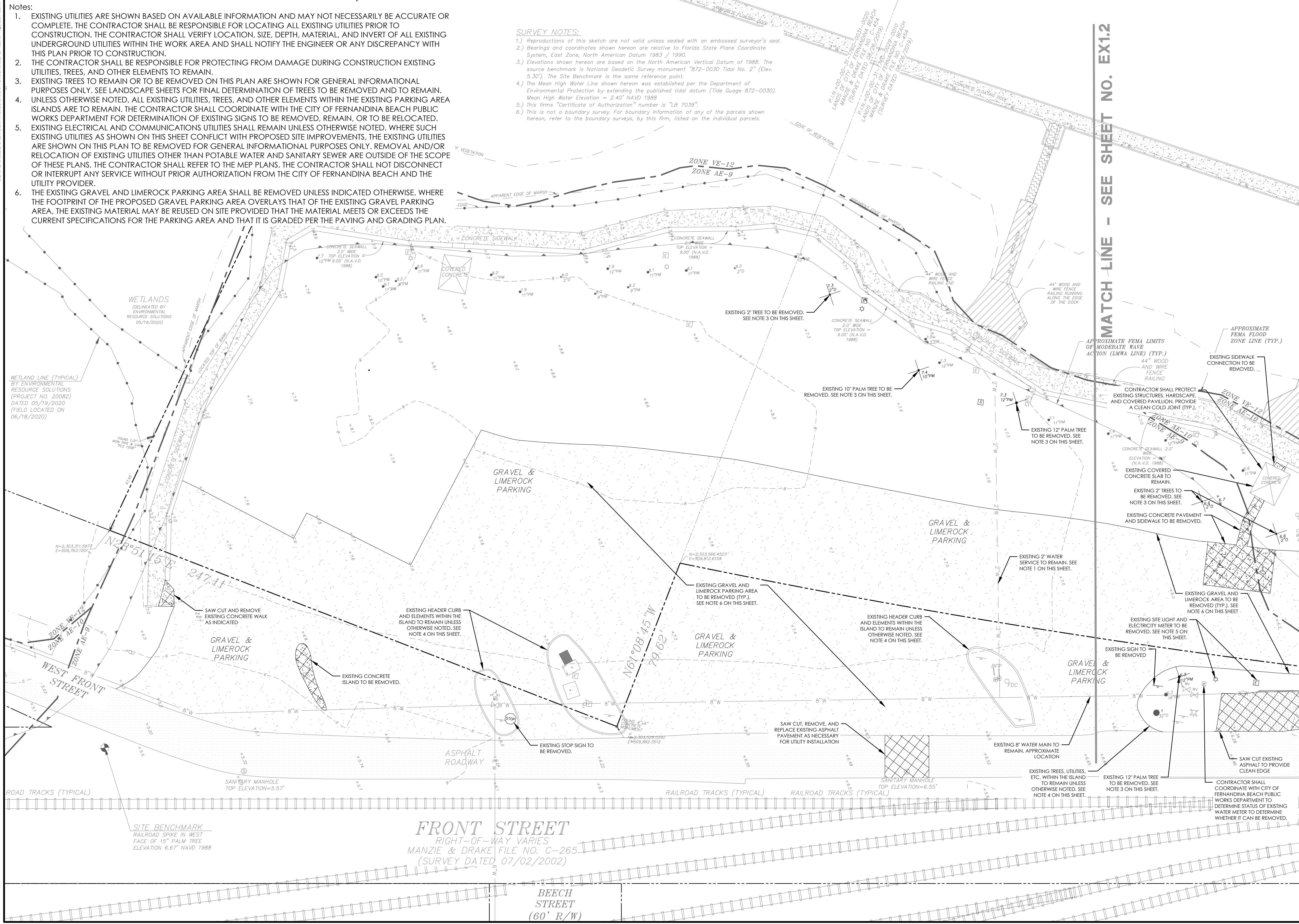
2/29/2021 10:40:00 AM INCHENRGO DRAWINGS CONSTRUCTION PLANS 2002 - EX 1.DWG - AUG 8, 2024 - 4:32 PM

Notes:

1. EXISTING UTILITIES ARE SHOWN BASED ON AVAILABLE INFORMATION AND MAY NOT NECESSARILY BE ACCURATE OR COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL VERIFY LOCATION, SIZE, DEPTH, MATERIAL, AND INVERT OF ALL EXISTING UNDERGROUND UTILITIES WITHIN THE WORK AREA AND SHALL NOTIFY THE ENGINEER OR ANY DISCREPANCY WITH THIS PLAN PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING FROM DAMAGE DURING CONSTRUCTION EXISTING UTILITIES, TREES, AND OTHER ELEMENTS TO REMAIN.
3. EXISTING TREES TO REMAIN OR TO BE REMOVED ON THIS PLAN ARE SHOWN FOR GENERAL INFORMATIONAL PURPOSES ONLY. SEE LANDSCAPE SHEETS FOR FINAL DETERMINATION OF TREES TO BE REMOVED AND TO REMAIN. UNLESS OTHERWISE NOTED, ALL EXISTING UTILITIES, TREES, AND OTHER ELEMENTS WITHIN THE EXISTING PARKING AREA ISLANDS ARE TO REMAIN. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF FERNANDINA BEACH PUBLIC WORKS DEPARTMENT FOR DETERMINATION OF EXISTING SIGNS TO BE REMOVED, REMAIN, OR TO BE RELOCATED.
5. EXISTING ELECTRICAL AND COMMUNICATIONS UTILITIES SHALL REMAIN UNLESS OTHERWISE NOTED. WHERE SUCH EXISTING UTILITIES AS SHOWN ON THIS SHEET CONFLICT WITH PROPOSED SITE IMPROVEMENTS, THE EXISTING UTILITIES ARE SHOWN ON THIS PLAN TO BE REMOVED FOR GENERAL INFORMATIONAL PURPOSES ONLY. REMOVAL AND/OR RELOCATION OF EXISTING UTILITIES OTHER THAN POTABLE WATER AND SANITARY SEWER ARE OUTSIDE OF THE SCOPE OF THESE PLANS. THE CONTRACTOR SHALL REFER TO THE MEP PLANS. THE CONTRACTOR SHALL NOT DISCONNECT OR INTERRUPT ANY SERVICE WITHOUT PRIOR AUTHORIZATION FROM THE CITY OF FERNANDINA BEACH AND THE UTILITY PROVIDER.
6. THE EXISTING GRAVEL AND LIMEROCK PARKING AREA SHALL BE REMOVED UNLESS INDICATED OTHERWISE. WHERE THE FOOTPRINT OF THE PROPOSED GRAVEL PARKING AREA OVERLAYS THAT OF THE EXISTING GRAVEL PARKING AREA, THE EXISTING MATERIAL MAY BE REUSED ON SITE PROVIDED THAT THE MATERIAL MEETS OR EXCEEDS THE CURRENT SPECIFICATIONS FOR THE PARKING AREA AND THAT IT IS GRADED PER THE PAVING AND GRADING PLAN.

SURVEY NOTES:

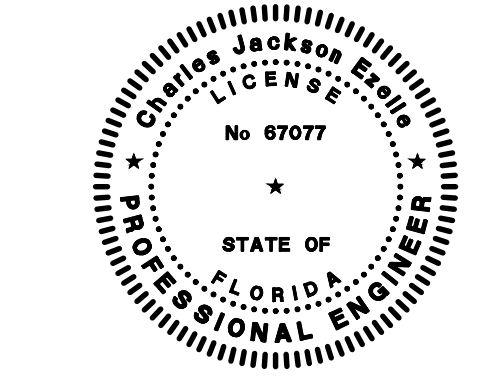
- 1.) Reproductions of this sketch are not valid unless sealed with an embossed surveyor's seal.
- 2.) Bearings and coordinates shown hereon are relative to Florida State Plane Coordinate System, East Zone, North American Datum 1983 / 1990.
- 3.) Elevations shown hereon are based on the North American Vertical Datum of 1988. The source benchmark is National Geodetic Survey monument "872-0030 Tidal No. 2" (Elev. 5.30'). The Site Benchmark is the same reference point.
- 4.) The Mean High Water Line shown hereon was established per the Department of Environmental Protection by extending the published tidal datum (Tide Gauge 872-0030). Mean High Water Elevation = 2.40' NAVD 1988
- 5.) This firm's "Certificate of Authorization" number is "LB 7039"
- 6.) This is not a boundary survey. For boundary information of any of the parcels shown hereon, refer to the boundary surveys, by this firm, listed on the individual parcels.



SURVEY LEGEND

- FDC = FIRE DEPARTMENT CONNECTION
- BFP = BACKFLOW PREVENTER
- XFMR = TRANSFORMER
- STOP SIGN
- CABLE TELEVISION PEDESTAL
- CONCRETE FLATWORK
- ELECTRICITY METER
- FIRE HYDRANT
- ALUMINUM LIGHT POLE
- COVERED AREA
- SEWER MANHOLE
- TELEPHONE PEDESTAL
- WATER METER
- WOOD FLATWORK
- WV = WATER VALVE
- IRRIGATION CONTROL VALVE
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- CENTERLINE
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- CB = CHORD BEARING
- CD = CHORD DISTANCE
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- METAL RAIL FENCE
- WOOD OR VINYL FENCE
- RCP = REINFORCED CONCRETE PIPE
- HDPE = HIGH-DENSITY POLYETHYLENE
- ELEV = ELEVATION
- NAVD = NORTH AMERICAN VERTICAL DATUM
- O.R.B. = OFFICIAL RECORDS BOOK
- R = RADIUS
- R/W = RIGHT-OF-WAY
- P.I.N. = PARCEL IDENTIFICATION NUMBER

NO.	REVISIONS	BY	DATE



THOMAS & HUTTON

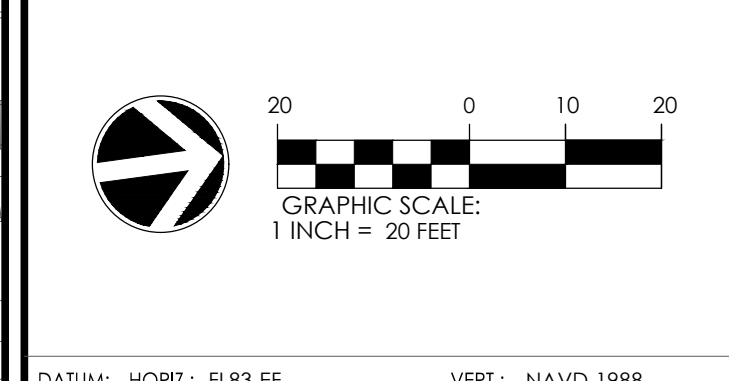
1208 Newcastlee Street • Suite 201
Brunswick, GA 31520 • 912.466.0536
www.thomasandhutton.com

EXISTING CONDITIONS AND DEMOLITION PLAN

LOTS C & D
FERNANDINA BEACH WATER FRONT PARK

PROJECT LOCATION:
FERNANDINA BEACH, FLORIDA

CLIENT/OWNER:
CITY OF FERNANDINA BEACH
204 ASH STREET
FERNANDINA BEACH, FL 32034



DATUM: HORIZ.: FL83-EF VERT.: NAVD-1988

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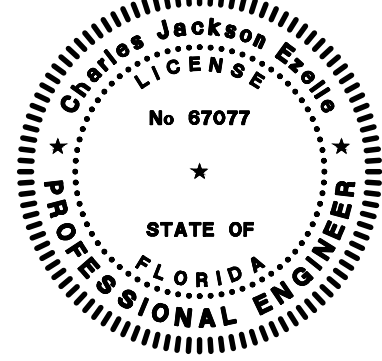
EX1.1

PERMIT SET - FOR REVIEW PURPOSES ONLY

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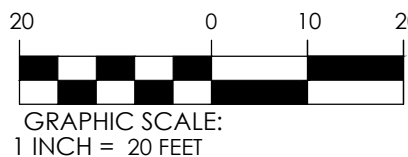
1208 Newcastle Street • Suite 201
Brunswick, GA 31520 • 912.466.0536
www.thomasandhutton.com

EXISTING CONDITIONS AND DEMOLITION PLAN

LOTS C & D
FERNANDINA BEACH WATER
FRONT PARK

PROJECT LOCATION:
FERNANDINA BEACH,
FLORIDA

CLIENT/OWNER:
CITY OF FERNANDINA BEACH
204 ASH STREET
FERNANDINA BEACH, FL 32034



DATUM: HORIZ.: FL83-EF VERT.: NAVD-1988

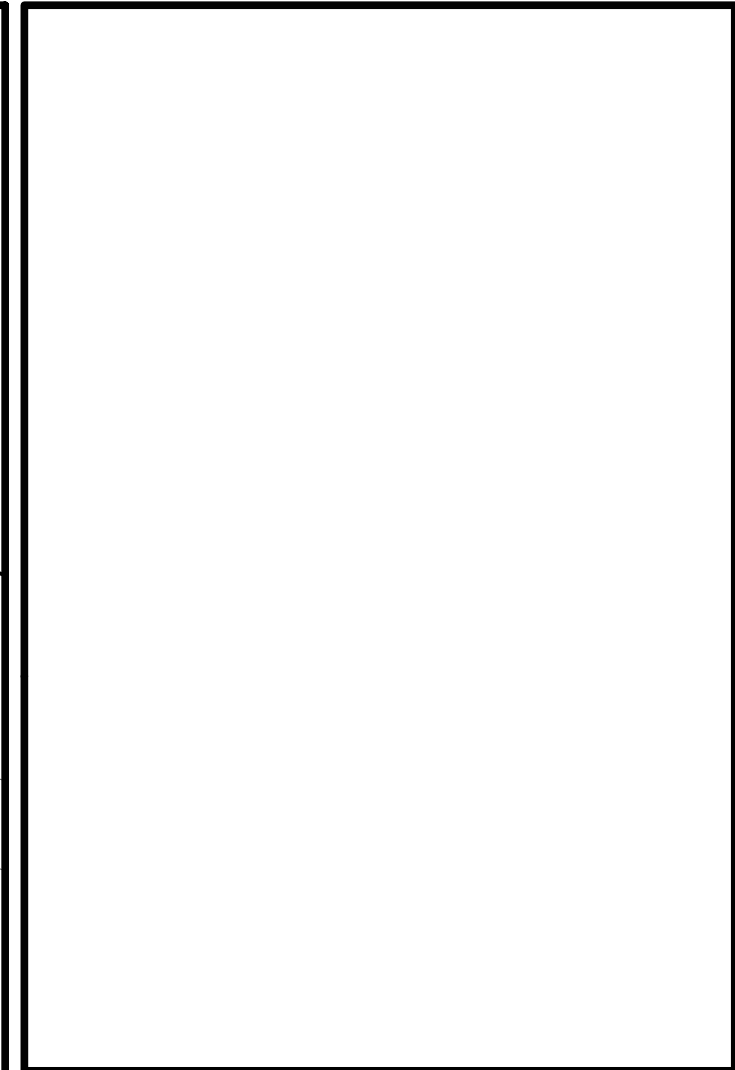
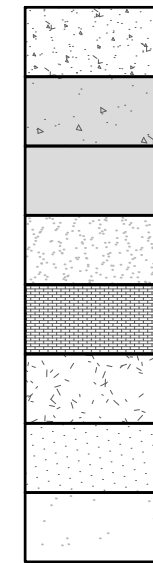
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DATE:	07/01/2024
DRAWN:	RLM
DESIGNED:	RLM
REVIEWED:	CJE
APPROVED:	CJE
SCALE:	1" = 20'

EX1.2

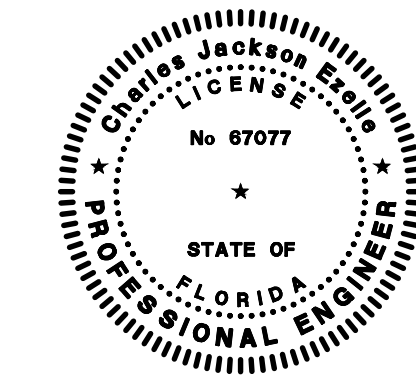
AUTOMOBILE SPACES:	59
HANDICAP SPACES:	3
TOTAL AUTO SPACES:	62
BOAT TRAILER SPACES:	12
FLEX SPACES*:	5
GOLF CART SPACES:	3
EVENT AUTO SPACES:	32

EXISTING		
PERVIOUS:	1.13 AC	44.6%
IMPERVIOUS:	1.40 AC	55.4%
PROJECT AREA:	2.53 AC	100.0%
PROPOSED		
PERVIOUS:	1.14 AC	45.2%
IMPERVIOUS:	1.39 AC	54.8%
PROJECT AREA:	2.53 AC	100.0%

PROPOSED CONCRETE WALK
PROPOSED CONCRETE PAVEMENT
PROPOSED ASPHALT PAVEMENT
PROPOSED GRAVEL / LIMEROCK
PROPOSED BRICK PAVERS
EXISTING CONCRETE WALK / PAVEMENT
EXISTING ASPHALT PAVEMENT
EXISTING GRAVEL / LIMEROCK



No.	REVISIONS	BY	DATE



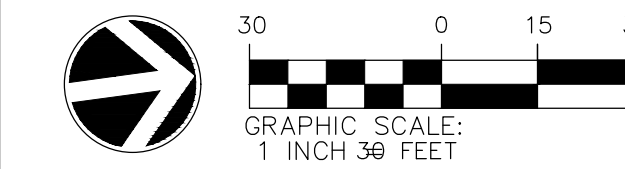
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LOTS C & D
FERNANDINA BEACH
WATER FRONT PARK

PROJECT LOCATION:
FERNANDINA BEACH,
FLORIDA

CLIENT/OWNER:
CITY OF FERNANDINA BEACH
204 ASH STREET
FERNANDINA BEACH, FL 32034



DATUM: HORIZ.: FL83-EF VERT.: NAVD-1988

JOB NO:	29401.0002
DATE:	07/01/2024
DRAWN:	RLM
DESIGNED:	RLM
REVIEWED:	CJE
APPROVED:	CJE
SCALE:	1" = 30'

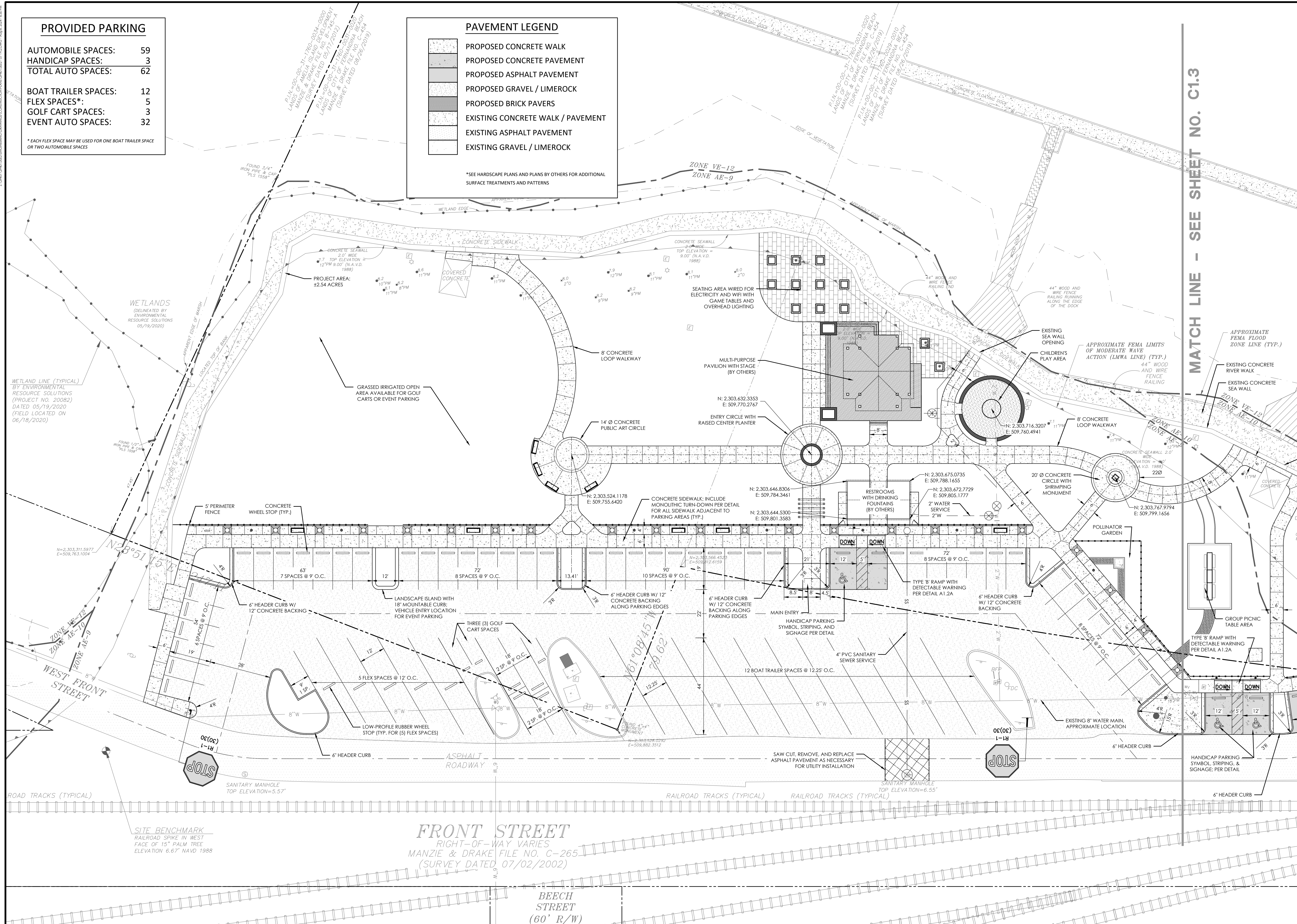
C1.1

AUTOMOBILE SPACES:	59
HANDICAP SPACES:	3
<u>TOTAL AUTO SPACES:</u>	<u>62</u>
BOAT TRAILER SPACES:	12
FLEX SPACES*:	5
GOLF CART SPACES:	3
EVENT AUTO SPACES:	32

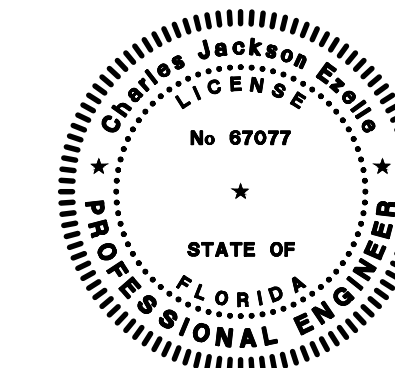
* EACH FLEX SPACE MAY BE USED FOR ONE BOAT TRAILER SPACE OR TWO AUTOMOBILE SPACES

	PROPOSED CONCRETE WALK
	PROPOSED CONCRETE PAVEMENT
	PROPOSED ASPHALT PAVEMENT
	PROPOSED GRAVEL / LIMEROCK
	PROPOSED BRICK PAVERS
	EXISTING CONCRETE WALK / PAVEMENT
	EXISTING ASPHALT PAVEMENT
	EXISTING GRAVEL / LIMEROCK

*SEE HARDSCAPE PLANS AND PLANS BY OTHERS FOR ADDITIONAL
SURFACE TREATMENTS AND PATTERNS



MATCH LINE - SEE SHEET NO. C1.3

[illegible]

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LOTS C & D
FERNANDINA BEACH WATER
FRONT PARK

PROJECT LOCATION:
FERNANDINA BEACH,
FLORIDA

CLIENT/OWNER:
CITY OF FERNANDINA BEACH
204 ASH STREET
FERNANDINA BEACH, FL 32034



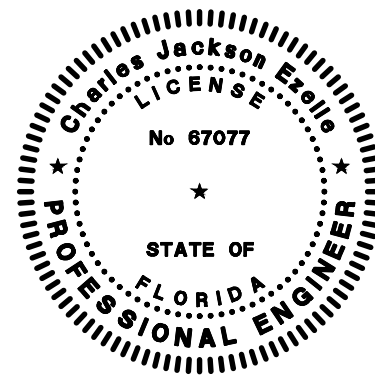
20 0 10
GRAPHIC SCALE:
1 INCH = 20 FEET

DATUM: HORIZ.: FL83-EF VERT.: NAVD-1988

JOB NO:	29401.0002
DATE:	07/01/2024
DRAWN:	RLM
DESIGNED:	RLM
REVIEWED:	CJE
APPROVED:	CJE
SCALE:	1" = 20'

C1.2

PERMIT SET - FOR REVIEW PURPOSES ONLY



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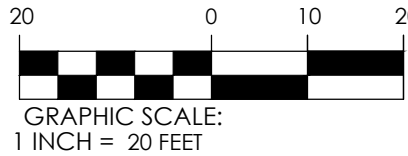
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LAYOUT PLAN

LOTS C & D
FERNANDINA BEACH WATER
FRONT PARK

PROJECT LOCATION:
FERNANDINA BEACH,
FLORIDA

CLIENT/OWNER:
CITY OF FERNANDINA BEACH
204 ASH STREET
FERNANDINA BEACH, FL 32034

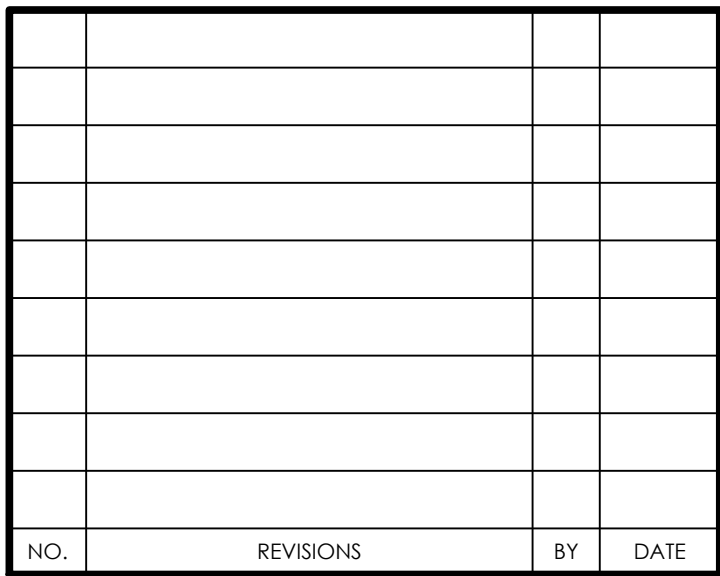


DATUM: HORIZ.: FL83-EF VERT.: NAVD-1988

JOB NO:	29401.0002
DATE:	07/01/2024
DRAWN:	RLM
DESIGNED:	RLM
REVIEWED:	CJE
APPROVED:	CJE
SCALE:	1" = 20'

C1.3

1. EXISTING UTILITIES ARE SHOWN BASED ON AVAILABLE INFORMATION AND MAY NOT NECESSARILY BE ACCURATE OR COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL VERIFY LOCATION, SIZE, DEPTH, MATERIAL, AND INVERT OF ALL EXISTING UNDERGROUND UTILITIES WITHIN THE WORK AREA AND SHALL NOTIFY THE ENGINEER OR ANY DISCREPANCY WITH THIS PLAN PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING FROM DAMAGE DURING CONSTRUCTION EXISTING UTILITIES, TREES, AND OTHER ELEMENTS TO REMAIN.
3. THE EXISTING SANITARY SEWER SYSTEM IN THE FRONT STREET RIGHT-OF-WAY IS CURRENTLY OUT OF SERVICE. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF FERNANDINA BEACH FOR THE SCHEDULE OF PLACING THIS SYSTEM BACK INTO SERVICE. THE CITY OF FERNANDINA BEACH SHALL PROVIDE DIRECTION TO THE CONTRACTOR AS IT RELATES TO THE CONNECTIONS OF THE PROPOSED WATER AND SEWER SERVICES TO THE EXISTING UTILITIES, WHETHER THOSE PROPOSED SERVICES ARE TO BE MADE ACTIVE AS PART OF THIS PROJECT, ETC.
4. SEE MEP PLANS BY OTHERS FOR INFORMATION RELATING TO THE EXISTING AND PROPOSED SITE LIGHTING AND OTHER ELECTRICAL COMPONENT. SEE MEP PLANS BY OTHERS FOR MECHANICAL AND ELECTRICAL UTILITIES ASSOCIATED WITH THE STAGE AND RESTROOMS. SEE MEP PLANS FOR WATER AND SEWER UTILITIES WITHIN FIVE (5) FEET OF THE RESTROOM FOOTING.
5. A PLACEHOLDER LOCATION FOR THE PROPOSED TRANSFORMER PAD IS SHOWN ON THIS PLAN FOR GENERAL REFERENCE ONLY. FINAL TRANSFORMER PAD LOCATION, SIZE AND ROUTING OF ELECTRICAL LINES TO AND FROM THE TRANSFORMER, AND ANY REQUIRED EASEMENTS SHALL BE DETERMINED BY OTHERS THROUGH COORDINATION AMONG THE CITY OF FERNANDINA BEACH, MEP CONSULTANTS, AND THE UTILITY PROVIDER.



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LOTS C & D
FERNANDINA BEACH WATER
FRONT PARK

PROJECT LOCATION:
FERNANDINA BEACH,
FLORIDA

CLIENT/OWNER:
CITY OF FERNANDINA BEACH
204 ASH STREET
FERNANDINA BEACH, FL 32034



DATUM: HORIZ.: FL83-EF VERT.: NAVD-1988

JOB NO:	29401.0002
DATE:	07/01/2024
DRAWN:	RLM
DESIGNED:	RLM
REVIEWED:	CJE
APPROVED:	CJE
SCALE:	1" = 20'

C2.1



GENERAL NOTES & SPECIFICATIONS FOR WATER MAIN INSTALLATIONS

1. All materials and construction under this project shall be in strict accordance with the requirements of the City of Fernandina Beach Utilities Department (FBU) and/or Nassau County Public Works Department (NCPWD) and/or the Florida Department of Transportation (FDOT) and shall conform to the standards and specifications available and on file with the department. As a minimum requirement, the standards of the AWWA shall apply.
2. Minimum cover over water mains shall be 3'-0" unless specific written exception is issued or required by an authorized representative of FBU.
3. Detector tape shall be installed 18' above the centerline of water mains and services.
4. All water main line valves shall be installed complete with 10' riser pipes and No. 3 valve boxes. Fire hydrants and service valves shall be installed complete with 6' riser pipes and No. 2 valve boxes.
5. All water meters up to 2" will be installed by department personnel providing the appropriate charges have been pre-paid. Provision of service pipes, backflow preventers, valves and meter or pile will be in accordance with construction plans and specifications approved by FBU.
6. Fire hydrant requirements (number and location) shall be as required by the Fire Department or the appropriate fire agency with installations in accordance with FBU standards.
7. Contractor MUST call the FBU Inspection Division and all other applicable permitting agencies to arrange for a Pre-Construction Meeting at least 72 hours prior to proposed start of construction.
8. FBU personnel will inspect all facilities approved by the Engineering Department. All other requirements of the permitting agency shall be in accordance with their standards and requirements.
9. Work performed under this project will not be considered as complete until final acceptance of the system by the department and until the following documents are received and approved by FBU:
 - * Easements, if required (whether by deed or plot suitably recorded)
 - * Contractor's Waiver and Release of Lien
 - * Absolute Bill of Sale
 - * Contractor's Letter of Warranty (i.e. Letter Agreement)
 - * Contractor's Maintenance Bond (for 1 year)
 - * As-Built 3 mil mylar 24" x 36" showing specific locations, depths, etc. of all water facilities as located by a licensed surveyor, along with two (2) prints of the "As-Built" which have been signed and sealed by a registered surveyor or Engineer of record and endorsed by the Contractor in accordance with FBU standards.
10. All new connections from existing FBU mains to be inspected by FBU forces prior to backfill.
11. The Contractor shall be responsible for verifying all locations, dimensions, elevations and the locations of all underground structures and utilities prior to the start of construction. The locations shown on the plans are not guaranteed accurate or correct by the known utility companies.
12. Thrust blocks shall be provided at all bends, tees, and plugs in accordance with FBU standard details.
13. All new fittings at reaction points shall be fitted with megalog retainer glands or approved equal, meeting FBU requirements. All valves are to be restrained with retainer glands.
14. Pipe installation, cleaning, flushing, testing, and disinfecting, as per FBU and State of Florida Department of Health and Rehabilitative Services Standards for the installation of water mains by customer donation projects.
15. Preliminary cleaning of all water mains 12" and larger to be accomplished by use of a poly-pig per FBU standards.
16. The Contractor is responsible for the cost of inspections for any construction activities occurring outside normal working hours (8:00 a.m. to 5:00 p.m.) Saturdays and Sundays and holidays excluded and arrangements for inspections outside normal working hours must be made a minimum of 48 hours in advance of the construction activity.
17. All trenches to be over-excavated a minimum of 6" to provide for installation of rock bedding in accordance with FBU Standards.
18. Surface restoration, pavement replacement, sidewalk replacement, trench backfilling and compaction shall comply with the applicable current FBU, NCPWD and FDOT Standards.
19. All gate valves to be resilient seat per AWWA-C509.
20. Where field conditions require, as determined by FBU, the water main shall be polyethylene encased in accordance with AWWA-C105.
21. The Contractor shall be responsible for providing FBU with HRS Letter of Clearance to Place a Public Drinking Water Facility into Service. The Engineer of record shall provide FBU with a signed and sealed pressure test report certifying pressure test results.

CITY OF FERNANDINA BEACH UTILITIES DEPARTMENT			
POTABLE WATER MAINS GENERAL NOTES			
Date	Revisions	Appr. by	Fig: 300

GENERAL NOTES & SPECIFICATIONS FOR WATER MAIN INSTALLATIONS

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTES

1. A horizontal distance of 10 feet shall be maintained between water and sewer mains. When a 10 foot horizontal distance criteria cannot be met due to an existing underground facility conflict, the sewer shall be constructed of ductile iron pipe with mechanical joints.
2. A vertical distance of at least 18 inches shall be maintained between any water and sewer mains. The sewer shall be ductile iron single 20 foot length centered on the crossing if the minimum vertical distance is less than 18 inches or the sewer is installed above the water main regardless of separation.
3. In highly congested areas, where either water or sewer facilities are existing and the separation requirements cannot be met, special consideration may be given subject to a complete evaluation of existing and proposed conditions.
4. The contractor shall verify nature, depth, character of existing underground utilities prior to start of construction.

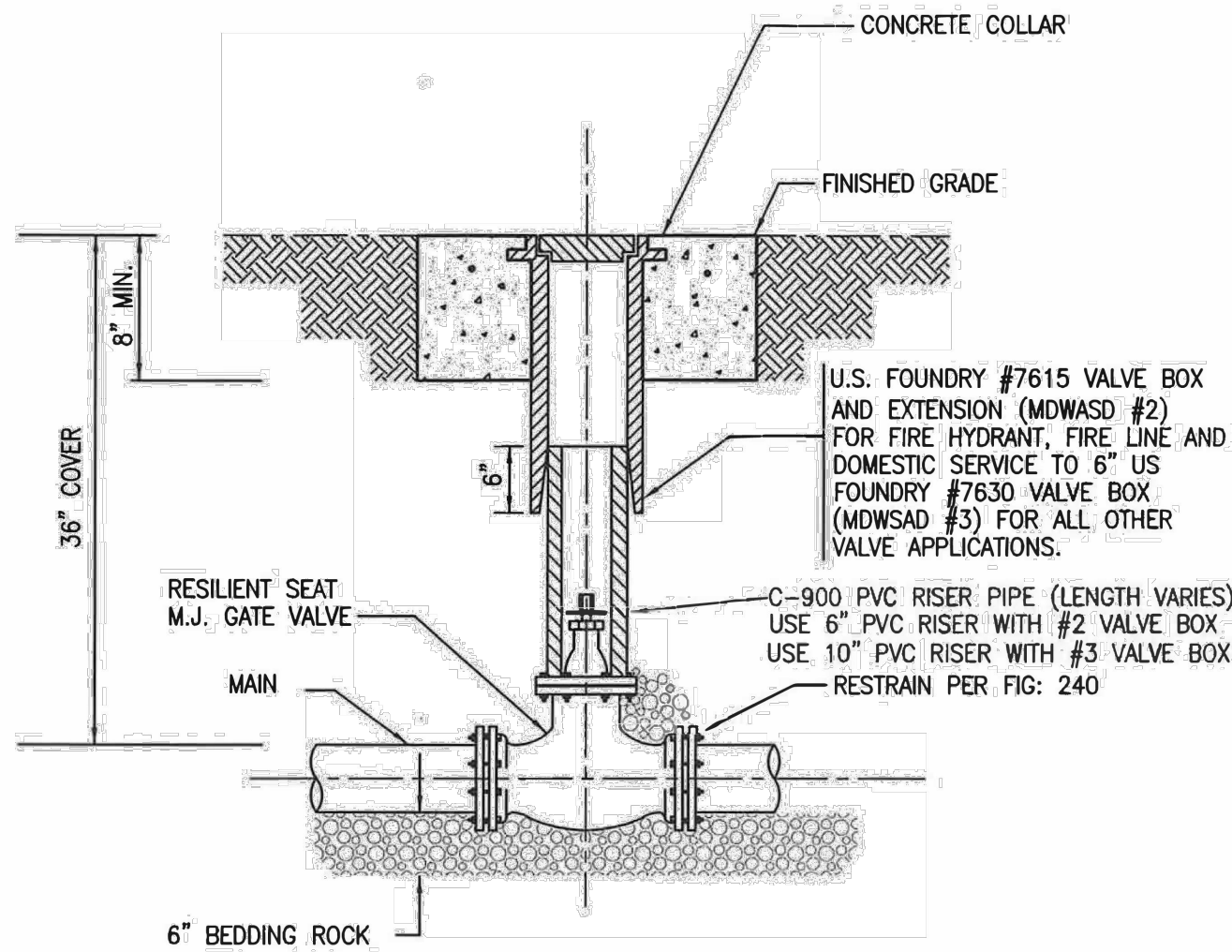
NOTE: WHEN WATER CROSSES SEWER

1. Force mains must have an 18-inch vertical separation from water lines. No exceptions.
2. Sewer lines, including laterals, must have 18 inch vertical clearance between water mains and/or 6 inches minimum clearance if sewer line is DIP and has no joints within 10 feet of intersection (i.e. one 20 ft. joint DIP centered on intersection). Storm drainage lines are exempt if DIP water main separation of 8" is maintained and both pipes have no joints within 10 feet of intersection.

TRENCH PROTECTION

Trench excavation protection shall be accomplished as required by the provisions of Part 1926, Subpart P, Excavations, Trenching and Shoring of the Occupational Safety and Health Administrations Standards and Interpretations.

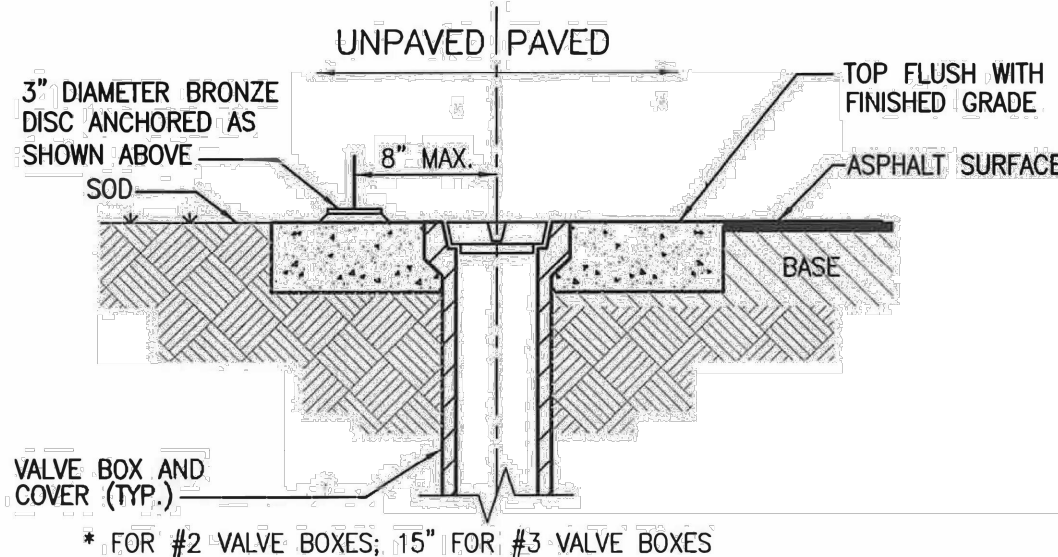
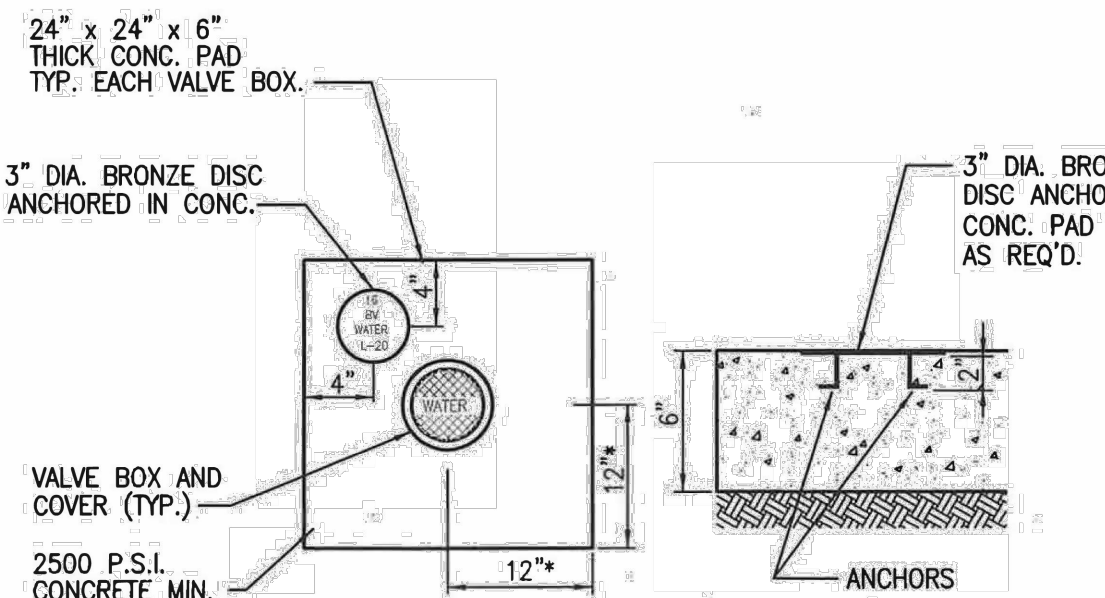
CITY OF FERNANDINA BEACH UTILITIES DEPARTMENT			
POTABLE WATER MAINS GENERAL NOTES			
Date	Revisions	Appr. by	Fig: 300A



NOTES:

1. WHEN VALVE IS NOT LOCATED IN PAVEMENT, PLACE A WHITE PAVEMENT REFLECTOR MARKER IN THE DRIVE LANE, ADJACENT TO THE VALVE.
2. USE U.S. FOUNDRY #7630 VALVE BOX AND EXTENSION (MDWASD #3) FOR ALL OTHER VALVE APPLICATIONS.
3. FOR USE ON 2-INCH THROUGH 10-INCH PIPELINES.
4. RESILIENT SEAT AND OTHER RUBBER TYPE PARTS SHALL BE FORMED OF A SYNTHETIC ELASTOMER WHICH IS CORROSION AND CHLORAMINE RESISTANT.
5. OPERATOR EXTENSION SHAFT SHALL BE PROVIDED WHEN OPERATING NUT IS MORE THAN 48\"/>

CITY OF FERNANDINA BEACH UTILITIES DEPARTMENT			
GATE VALVE AND BOX DETAIL			
Date	Revisions	Appr. by	Fig: 305



NOTES:

1. VALVE BOX AND EXTENSION (MDWASD #2) USE U.S. FOUNDRY #7615.
2. USE U.S. FOUNDRY #7630 VALVE BOX AND EXTENSION (MDWASD #3) FOR ALL OTHER VALVE APPLICATIONS.

CITY OF FERNANDINA BEACH UTILITIES DEPARTMENT			
VALVE COLLAR DETAIL			
Date	Revisions	Appr. by	Fig: 235

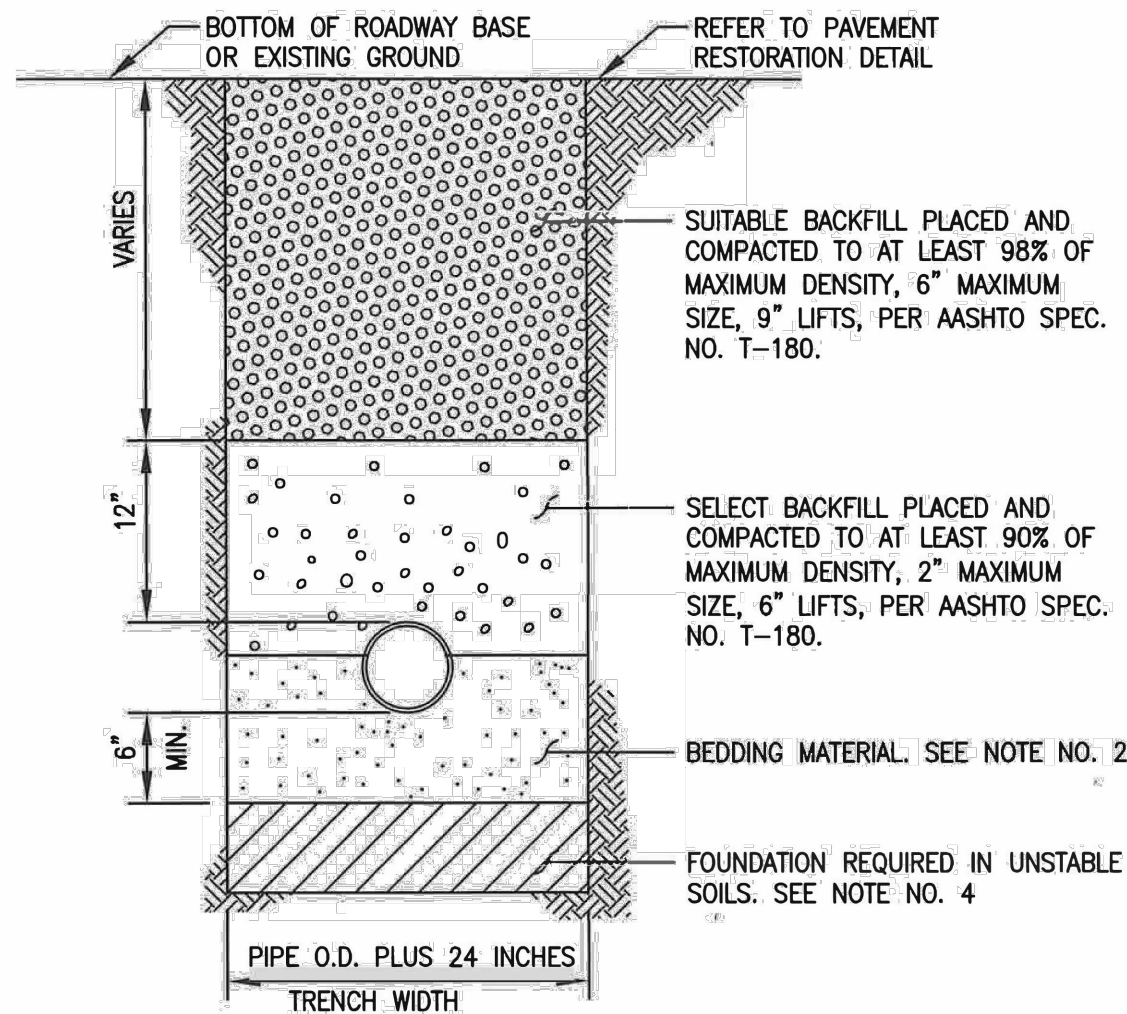
MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S). *

	PIPE SIZE									
	6"	8"	10"	12"	16"	20"	24"	30"	36"	
90° BEND	23	30	36	42	53	63	73	86	97	
45° BEND	10	12	15	17	22	26	30	36	40	
22-1/2° BEND	5	6	7	8	11	26	30	36	19	
11-1/4° BEND	2	3	4	4	5	6	7	8	10	
PLUG, BRANCH OF TEE OR DEAD END	23	30	36	42	53	63	73	86	97	

NOTES:

1. FITTINGS SHALL BE RESTRAINED JOINTS UNLESS OTHERWISE INDICATED.
2. INSTALL FULL LENGTH JOINTS WITH TOTAL LENGTH EQUAL TO OR GREATER THAN SHOWN IN THE TABLE.
3. WHERE TWO OR MORE FITTINGS ARE TOGETHER, USE FITTING WHICH YIELDS GREATEST LENGTH OF RESTRAINED PIPE.
4. LENGTHS SHOWN IN THE TABLE HAVE BEEN CALCULATED IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" AS PUBLISHED BY DIPRA, WITH THE FOLLOWING ASSUMPTIONS:
 - WORKING PRESSURE: 150 P.S.I.*
 - SOIL CONDITIONS: SAND / SILT *
 - MINIMUM COVER: 3 FT. *
- ENGINEER OF RECORD SHALL CONFIRM ACTUAL LAYING CONDITIONS AND INCREASE RESTRAINED LENGTHS AS REQUIRED.
5. FOR PIPE ENCASED IN POLYETHYLENE, INCREASE THE GIVEN VALUE BY A FACTOR 1.5.
6. ALL FITTINGS AND PIPE JOINTS 6" OR SMALLER MAY BE RESTRAINED USING THRUST BLOCKS. ALL OTHERS MUST BE RESTRAINED AS FOLLOWS:
 - JOINT: PUSH-ON PVC, EBAA IRON SERIES 2800 HARNESSE
 - PUSH-ON DIP: TR-FLEX BY U.S. PIPE OR FLEX RING BY AMERICAN
 - FITTINGS WITH DIP: EBAA IRON SERIES 1100 MEGALUG
 - FITTINGS WITH PVC: EBAA IRON SERIES 2000 MEGALUG

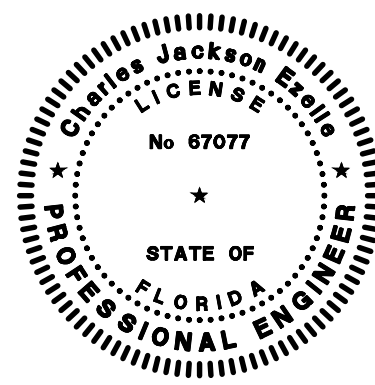
CITY OF FERNANDINA BEACH UTILITIES DEPARTMENT			
RESTRAINED PIPE DETAIL			
Date	Revisions	Appr. by	Fig: 240



NOTES:

1. FOR EXCAVATION AND BACKFILL AROUND MANHOLES, APPURTENANCES, OR IN WATER, REFER TO PROVISIONS WITHIN THE SPECIFICATIONS.
2. UNLESS OTHERWISE SPECIFIED, BEDDING MATERIAL SHALL CONSIST OF SELECT BACKFILL MATERIAL 2" MAX. SIZE, OR WASHED AND GRADED LIMEROCK (3/8" - 7/8"), COMPACTED TO AT LEAST 90% OF MAX. DENSITY, 6" LIFTS, PER AASHTO SPEC. NO. T-180.
3. WHERE REQUIRED, SHEETING AND SHORING SHALL BE IN ACCORDANCE WITH SPECIFICATION.
4. WHERE UNSTABLE SOILS ARE ENCOUNTERED, INCLUDING PEAT, MUCK OR OTHER ORGANIC SOILS, ELASTIC SILT AND CLAYS, A FOUNDATION IS REQUIRED, COMPACTED TO AT LEAST 90% OF MAX. DENSITY, 6" LIFTS PER AASHTO SPEC. NO. T-180. FOUNDATION MATERIAL SHALL BE SELECT BACKFILL MATERIAL, 2" MAXIMUM SIZE, 6" LIFTS. EXTEND EXCAVATION UNTIL A SUITABLE MATERIAL IS FOUND.

CITY OF FERNANDINA BEACH UTILITIES DEPARTMENT			
TYPICAL TRENCH BACKFILL			
Date	Revisions	Appr. by	Fig: 250



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WATER & SEWER DETAILS

LOTS C & D
FERNANDINA BEACH WATER
FRONT PARK

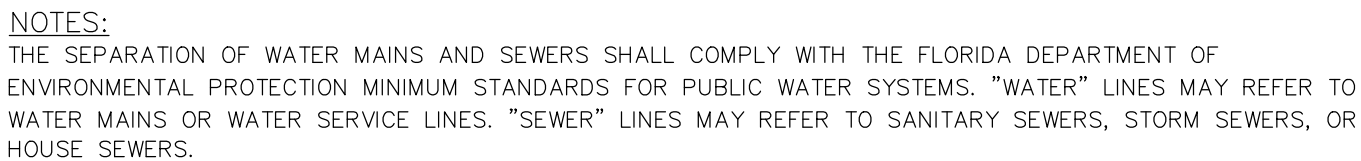
PROJECT LOCATION:
FERNANDINA BEACH,
FLORIDA

CLIENT/OWNER:
CITY OF FERNANDINA BEACH
204 ASH STREET
FERNANDINA BEACH, FL 32034

DATUM: HORIZ.: FL83-EF VERT.: NAVD-1988

JOB NO: 29401.0002
DATE: 07/01/2024
DRAWN: RLM
DESIGNED: RLM
REVIEWED: CJE
APPROVED: CJE
SCALE: N.T.S.

C2.3



1. NORMAL CONDITIONS: THE INSIDE EDGE OF A WATER LINE SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM THE INSIDE EDGE OF ANY SANITARY SEWER, STORM SEWER OR SEWER MANHOLE.

2. UNUSUAL CONDITIONS: WHEN LOCAL CONDITIONS PREVENT A HORIZONTAL SEPARATION OF 10 FEET, AND WHEN APPROVED BY THE ENGINEER, THE INSIDE EDGE OF A WATER MAIN MAY BE LAID A MINIMUM OF 5 FEET FROM THE INSIDE EDGE OF A SEWER PROVIDED THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES HIGHER THAN THE TOP OF THE SEWER (SEE DETAIL), AND THE WATER MAIN IS LAID IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELf.

A MINIMUM OF 18 INCHES SHALL BE MAINTAINED BETWEEN THE BOTTOM OF POTABLE WATER MAINS AND THE TOP OF RECLAIMED WATER MAINS.

1. NORMAL CONDITIONS: WHENEVER POSSIBLE, THE BOTTOM OF THE WATER MAIN SHALL BE AT LEAST 18 INCHES HIGHER THAN THE TOP OF THE SEWER. AT CROSSINGS, ONE FULL LENGTH OF WATER PIPE SHALL BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE.

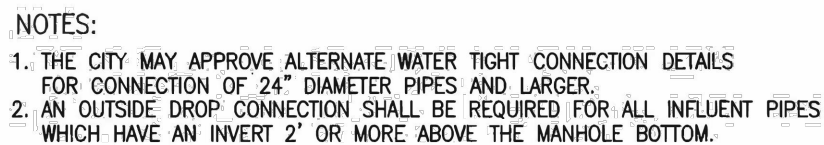
2. UNUSUAL CONDITIONS: IF WATER MAIN MUST CROSS UNDER A SEWER, THE TOP OF THE WATER MAIN SHALL BE AT LEAST 18 INCHES LOWER THAN THE BOTTOM OF THE SEWER, THE WATER MAIN PIPE SHALL BE CONSTRUCTED OF WATER MAIN MATERIALS CENTERED AT THE CROSSING SO THAT THE JOINTS ARE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE SEWER, AND ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF THE SEWER AT THE CROSSING. ADEQUATE STRUCTURAL SUPPORT SHALL INCLUDE BACKFILLING THE ENTIRE UTILITY CROSSING AREA WITH 3/4" CRUSHED STONE AS SHOWN IN THE DETAIL. IN ADDITION, ONE OF THE FOLLOWING MEASURES SHALL BE TAKEN:

- BOTH WATER MAIN AND SEWER SHALL BE CONSTRUCTED OF WATER MAIN MATERIALS EXTENDING ON EACH SIDE OF THE CROSSING UNTIL AT LEAST 10 FEET SEPARATES THE TWO PIPES. WATER MAIN AND SEWER SHALL BE SUBJECTED TO HYDROSTATIC TESTING AS PRESCRIBED IN THE GEORGIA EPD MINIMUM STANDARDS FOR PUBLIC WATER SYSTEMS, LATEST EDITION.
- WATER MAIN OR SEWER SHALL BE ENCASED IN A CASING PIPE CONSTRUCTED OF WATER MAIN MATERIALS EXTENDING ON EACH SIDE OF THE CROSSING UNTIL AT LEAST 10 FEET SEPARATES THE TWO PIPES.
- SEWER SHALL HAVE STRUCTURAL LINING THAT MEETS ASTM F1216 STANDARDS AND EXTENDS ON EACH SIDE OF CROSSING UNTIL AT LEAST 10 FEET SEPARATES WATER MAIN AND SEWER PIPE.

GENERAL NOTES & SPECIFICATIONS FOR GRAVITY SEWER INSTALLATIONS

1. All materials and construction under this project shall be in strict accordance with the requirements of the City of Orlando Bureau of Utilities Department (FBU) and/or Nassau County Public Works Department (NCPWD) and/or the Florida Department of Transportation (FDOT) and shall conform to the standards and specifications available and on file with the department. As a minimum requirement, the standards of the Ten State Standards shall apply.
2. Minimum cover over main lines shall be 3'-0" unless specific written exception is issued or required by an authorized representative of NMB.
3. Detector tape shall be installed 18' above the centerline of main lines and services.
4. Contractor MUST call the FBU Inspection Division and all other applicable permitting agencies to arrange for a Pre-Construction Meeting at least 72 hours prior to proposed start of construction.
5. FBU personnel will inspect all facilities approved by the Utilities Department. All other requirements of the permitting agency shall be in accordance with their standards and requirements.
6. Work performed under this project will not be considered as complete until final acceptance of the system by the department and until the following documents are received and approved by FBU:
- * Easements, if required (whether by deed or plot suitably recorded)
 - * Contractor's Waiver and Release of Lien
 - * Absolute Bill of Sale
 - * Contractor's Letter of Warranty (i.e. Letter Agreement)
 - * Contractor's Maintenance Bond (for 1 year)
 - * As-Built with a 24" x 36" sheeting specific locations, depths, etc. of all water facilities as located by a licensed surveyor, along with two (2) prints of the "As-Built" which have been signed and sealed by a registered surveyor or Engineer of record and endorsed by the Contractor in accordance with FBU standards.
7. All new connections from existing FBU lines to be inspected by FBU forces prior to backfill.
8. The Contractor shall be responsible for verifying all locations, dimensions, elevations and the locations of all underground structures and utilities prior to the start of construction. The locations shown on the plans are not guaranteed accurate or correct by the known utility companies.
9. Pipe installation, cleaning, flushing, and testing, as per FBU Standards for the installation of gravity sewer by customer donation projects.
10. The Contractor is responsible for the cost of easements for any construction activities occurring outside normal working hours (8:00 a.m. to 5:00 p.m.) Saturdays and Sundays and holidays excluded and arrangements for inspections outside normal working hours must be made a minimum of 48 hours in advance of the construction activity.
11. All trenches to be over-excavated a minimum of 6" to provide for installation of rock bedding in accordance with FBU Standards.
12. Surface restoration, pavement replacement, sidewalk replacement, trench backfilling and compaction shall comply with the applicable current FBU, NCPWD and FDOT Standards.
13. Where field conditions require, as determined by FBU, the ductile iron lines shall be polyethylene encased in accordance with AWWA-C105.
- FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION NOTES
1. A horizontal distance of 10 feet shall be maintained between water and sewer mains. When a 10 foot horizontal distance criteria cannot be met due to an existing underground facility conflict, the sewer shall be constructed of ductile iron pipe with mechanical joints.
2. A vertical distance of at least 18 inches shall be maintained between any water and sewer mains, including laterals. The sewer shall be ductile iron single 20 foot length centered on the crossing if the minimum vertical distance is less than 18 inches or the sewer is installed above the water main regardless of separation).
3. In highly congested areas, where either water or sewer facilities are existing and the separation requirements cannot be met, special consideration may be given subject to a complete evaluation of existing and proposed conditions.
4. The contractor shall verify nature, depth, character of existing underground utilities prior to start of construction.
- TRENCH PROTECTION
- Trench excavation protection shall be accomplished as required by the provisions of Part 1926, Subpart P, Excavations, Trenching and Shoring of the Occupational Safety and Health Administrations Standards and Interpretations.

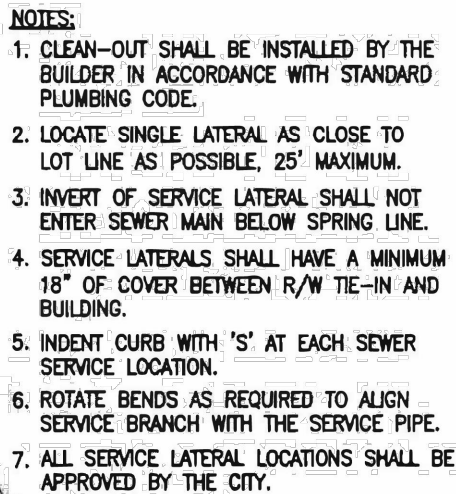
			UTILITIES DEPARTMENT			
			GRAVITY SEWER MAINS			
			GENERAL NOTES			
Date	Revisions	Appr. by	Date: July 2000	Scale: N.T.S.	Dwg: F101	Fig: 400



			CITY OF FERNANDINA BEACH UTILITIES DEPARTMENT			
			MANHOLE CONNECTION DETAIL (WITH BUILT-IN RUBBER BOOT)			
Date	Revisions	Appr. by	Date: July 2000	Scale: N.T.S.	Dwg: F201	Fig: 410

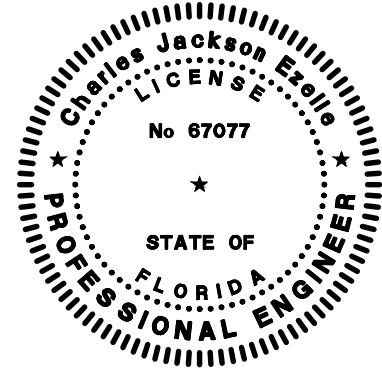


			CITY OF FERNANDINA BEACH UTILITIES DEPARTMENT			
			TYPICAL CLEAN-OUT			
Date	Revisions	Appr. by	Date: Nov. 2000	Scale: N.T.S.	Dwg: F305	Fig: 430



CITY OF FERNANDINA BEACH UTILITIES DEPARTMENT	
SHALLOW SERVICE LATERAL DETAIL	
Date: Nov. 2000	Scale: N.T.S. Dwg: 7206 Fig. 435
Revisions	
Appr. By	

NO.	REVISIONS	BY	DATE



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Brunswick, GA 31520 • 912.466.0536
www.thomasandhutton.com

WATER & SEWER DETAILS

LOTS C & D
FERNANDINA BEACH WATER
FRONT PARK

PROJECT LOCATION:
FERNANDINA BEACH,
FLORIDA

CLIENT/OWNER:
CITY OF FERNANDINA BEACH
204 ASH STREET
FERNANDINA BEACH, FL 32034

DATUM: HORIZ.: FL83-EF VERT.: NAVD-1988

JOB NO:	29401.0002
DATE:	07/01/2024
DRAWN:	RLM
DESIGNED:	RLM
REVIEWED:	CJE
APPROVED:	CJE
SCALE:	N.T.S.

C2.4

D:\20401\20401.DWG 2020\ENGINEERING\DRAWINGS\CONCRETE\DWG\20401.DWG - PG. 32.DWG - AUG 8, 2024 - 4:31 PM

WETLAND LINE (TYPICAL)
BY ENVIRONMENTAL
RESOURCE SOLUTIONS
(PROJECT NO. 20082)
DATED 05/19/2020
(FIELD LOCATED ON
06/18/2020)

- PAVEMENT LEGEND
- PROPOSED CONCRETE WALK
 - PROPOSED CONCRETE PAVEMENT
 - PROPOSED ASPHALT PAVEMENT
 - PROPOSED GRAVEL / LIMEROCK
 - PROPOSED BRICK PAVERS
 - EXISTING CONCRETE WALK / PAVEMENT
 - EXISTING ASPHALT PAVEMENT
 - EXISTING GRAVEL / LIMEROCK

PROJECT AREA:
±2.54 ACRES

8" CONCRETE LOOP
WALKWAY

14" Ø CONCRETE
PUBLIC ART CIRCLE

5' PERIMETER
FENCE

CONCRETE
WHEEL STOP (TYP.)

4' WIDE BRICK
PAVER MEDIAN

4' CONCRETE
SIDEWALK

LANDSCAPE ISLAND WITH 18" MOUNTABLE CURB;
VEHICLE ENTRY LOCATION FOR EVENT PARKING

ZONE VE-12
ZONE AE-10
ZONE AE-9

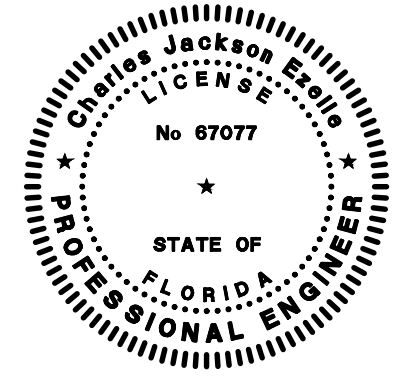
WEST FRONT
STREET

ASPHALT
ROADWAY

SANITARY MANHOLE
TOP ELEVATION=5.57'

FRONT STREET
RIGHT-OF-WAY VARIES
MANZIE & DRAKE FILE NO. C-265
(SURVEY DATED 07/02/2002)

MATCH LINE - SEE SHEET NO. C3.2



THOMAS
&
HUTTON

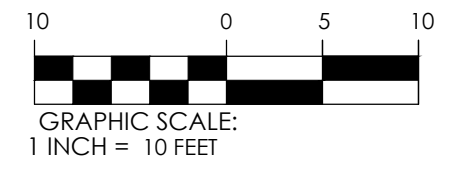
www.thomasandhutton.com

PAVING & GRADING PLAN

LOTS C & D
FERNANDINA BEACH WATER
FRONT PARK

PROJECT LOCATION:
FERNANDINA BEACH,
FLORIDA

CLIENT/OWNER:
CITY OF FERNANDINA BEACH
204 ASH STREET
FERNANDINA BEACH, FL 32034



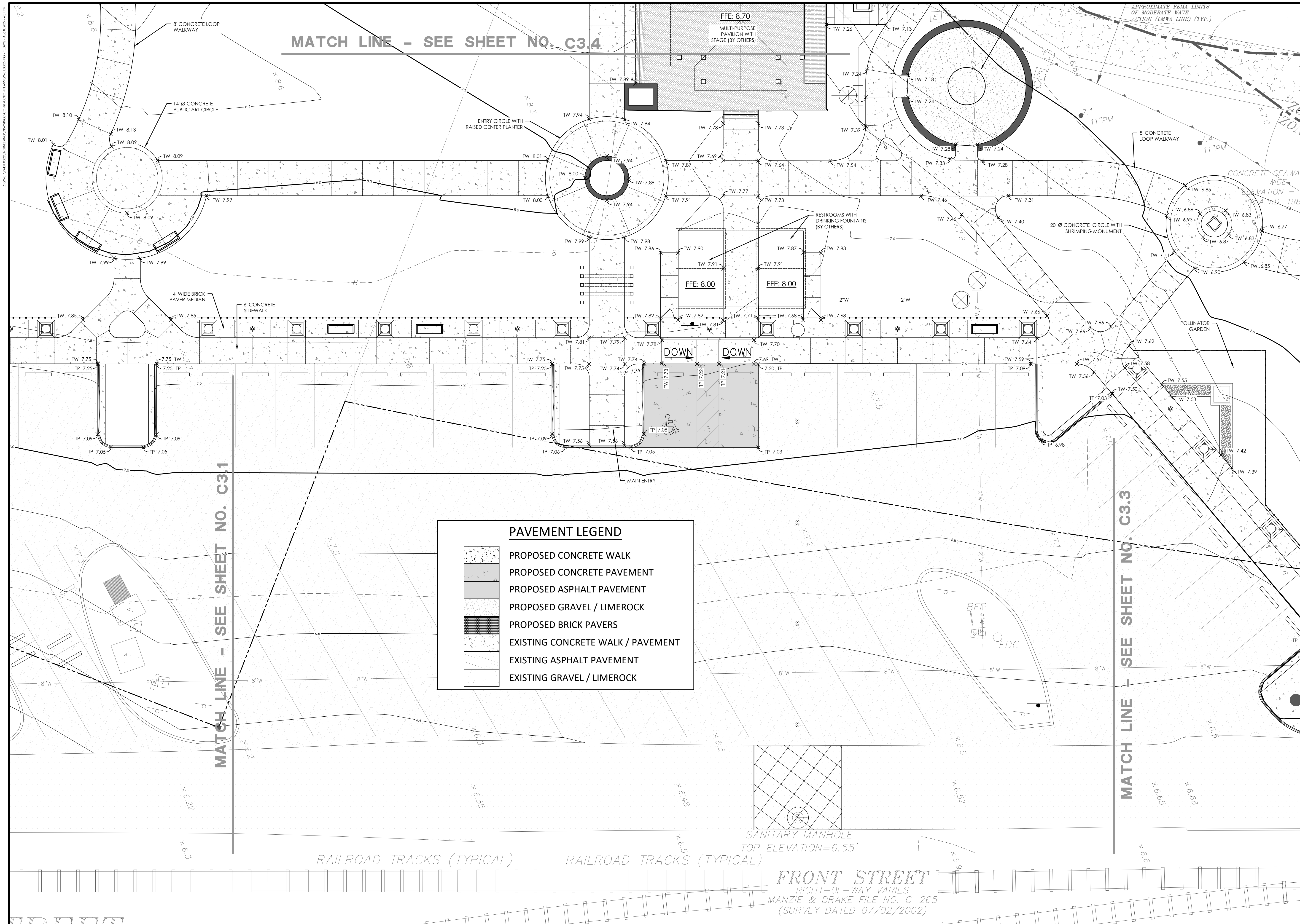
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VERT.: NAVD-1988

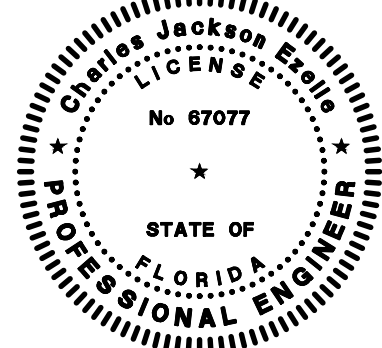
JOB NO: 29401.0002
DATE: 07/01/2024
DRAWN: RLM
DESIGNED: RLM
REVIEWED: CJIE
APPROVED: CJIE
SCALE: 1" = 10'

C3.1

PERMIT SET - FOR REVIEW PURPOSES ONLY



PERMIT SET - FOR REVIEW PURPOSES ONLY

[illegible]

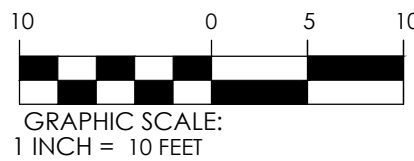
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PAVING & GRADING PLAN

LOTS C & D
FERNANDINA BEACH WATER
FRONT PARK

PROJECT LOCATION:
FERNANDINA BEACH,
FLORIDA

CLIENT/OWNER:
CITY OF FERNANDINA BEACH
204 ASH STREET
FERNANDINA BEACH, FL 32034



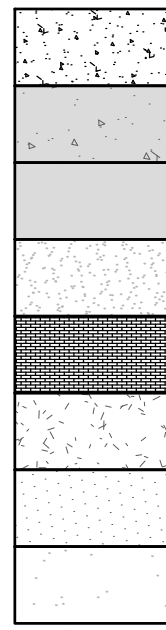
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JOB NO:	29401.0002
DATE:	07/01/2024
DRAWN:	RLM
DESIGNED:	RLM
REVIEWED:	CJE
APPROVED:	CJE
SCALE:	1" = 10'

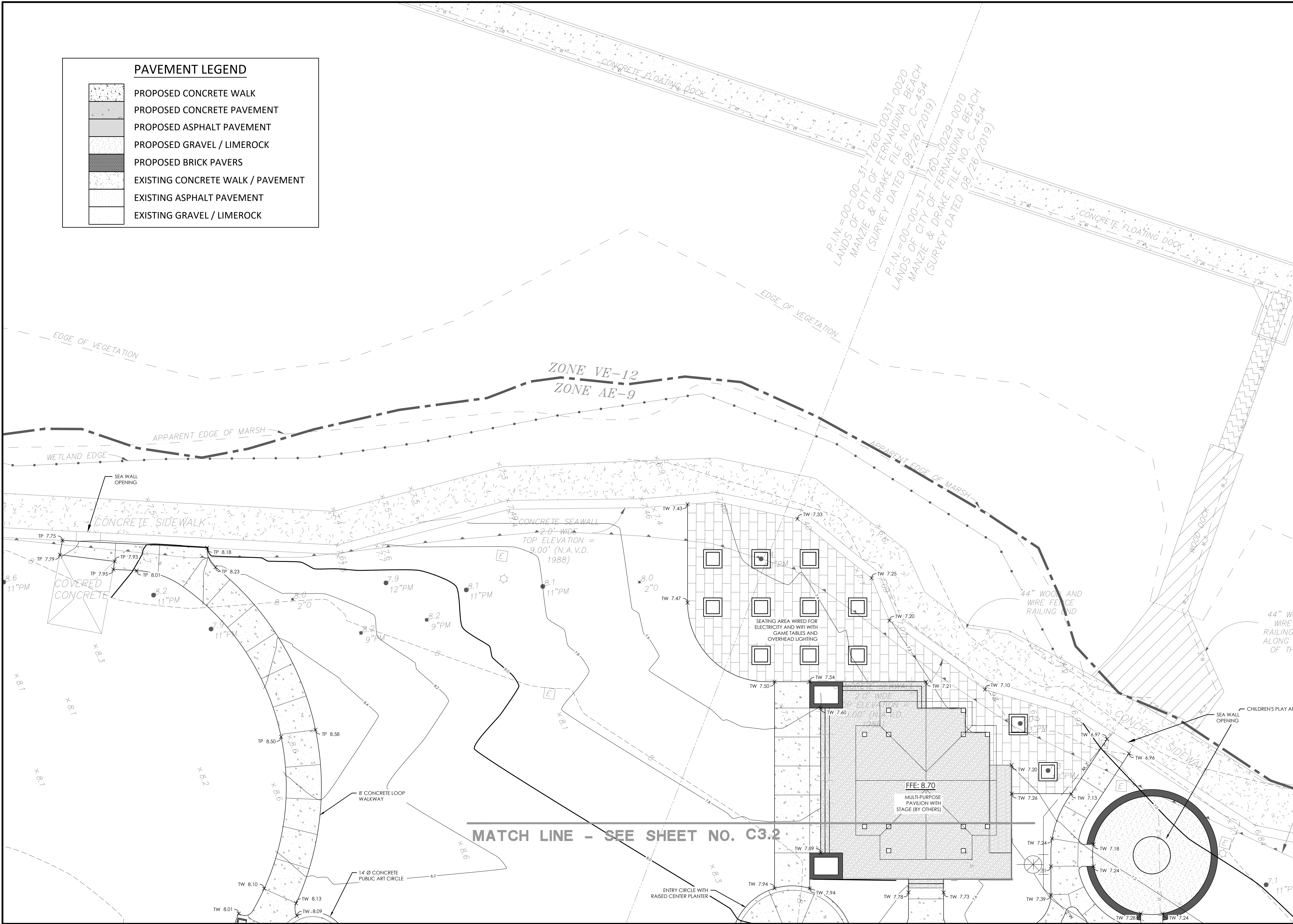
C3.2

D:\2041\2041-0001\ENGINEERING\DRAWINGS\CONCRETE\DWG\2041-0001-PS-12.DWG - Aug 8, 2024 - 4:31 PM

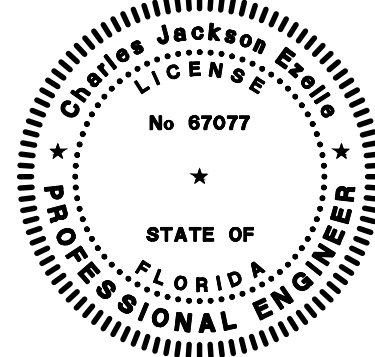
PAVEMENT LEGEND



- PROPOSED CONCRETE WALK
- PROPOSED CONCRETE PAVEMENT
- PROPOSED ASPHALT PAVEMENT
- PROPOSED GRAVEL / LIMEROCK
- PROPOSED BRICK PAVERS
- EXISTING CONCRETE WALK / PAVEMENT
- EXISTING ASPHALT PAVEMENT
- EXISTING GRAVEL / LIMEROCK



MATCH LINE - SEE SHEET NO. C3.2



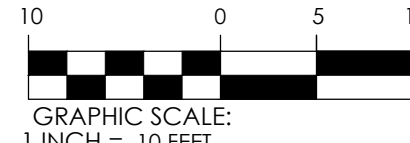
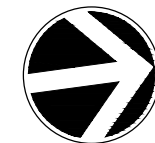
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PAVING & GRADING PLAN

LOTS C & D
FERNANDINA BEACH WATER
FRONT PARK

PROJECT LOCATION:
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FLORIDA

CLIENT/OWNER:
CITY OF FERNANDINA BEACH
204 ASH STREET
FERNANDINA BEACH, FL 32034

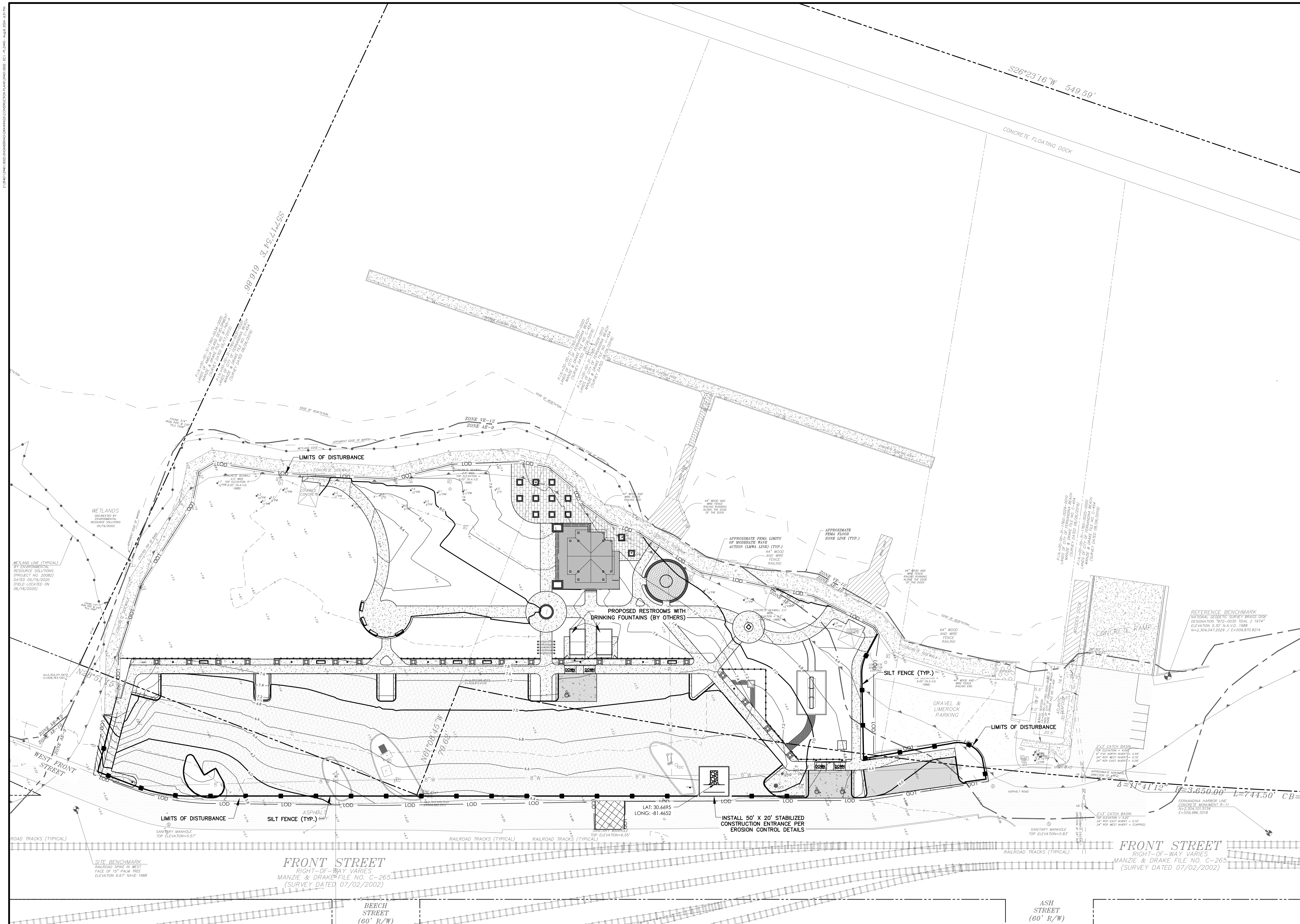


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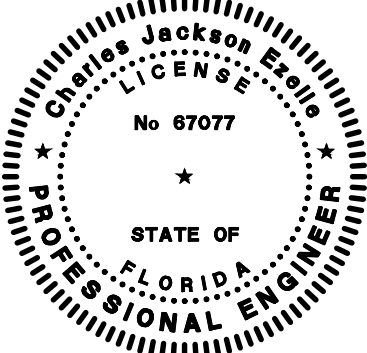
JOB NO: 29401.0002
DATE: 07/01/2024
DRAWN: RLM
DESIGNED: RLM
REVIEWED: CJE
APPROVED: CJE
SCALE: 1" = 10'

C3.4

PERMIT SET - FOR REVIEW PURPOSES ONLY



NO.	REVISIONS	BY	DATE



THOMAS
&
HUTTON

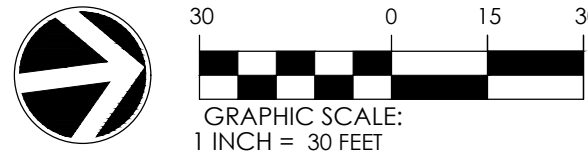
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ES & PC PLAN

LOTS C & D
FERNANDINA BEACH WATER
FRONT PARK

PROJECT LOCATION:
FERNANDINA BEACH,
FLORIDA

CLIENT/OWNER:
CITY OF FERNANDINA BEACH
204 ASH STREET
FERNANDINA BEACH, FL 32034



DATUM: HORIZ.: FL83-EF VERT.: NAVD-1988

JOB NO:	29401.0002
DATE:	07/01/2024
DRAWN:	RLM
DESIGNED:	RLM
REVIEWED:	CJE
APPROVED:	CJE
SCALE:	1" = 30'

EC1.1

#	SHEET #	DETAIL	SYMBOL
1.0	PAVING & JOINTING		
1.1	SEE CIVIL	CONCRETE SIDEWALK	COQUINA-FINISH TO MATCH EXISTING WATERFRONT WALK
1.1e	SEE CIVIL	EXPANSION JOINT	
1.1c	SEE CIVIL	CONTROL JOINT	
1.2	SEE CIVIL	VEHICULAR CONCRETE PAVING	
1.3	SEE CIVIL	VEHICULAR GRAVEL PAVING (TO MATCH EXISTING)	
1.4	SEE CIVIL	VEHICULAR ASPHALT PAVING	
NOT USED		BRICK PAVING TYPE A & B	
1.6	BY OTHERS	SPASH PAD SURFACE (SHOWN FOR REFERENCE - SEE SPASH PAD / POOL SHOP DRAWINGS FOR ADDITIONAL INFORMATION)	
1.7	3 / L3.1	CRUSHED GRAVEL PAVING	
1.8	4 / L3.1	LARGE CONCRETE PAVER PAVING	
1.9	SEE CIVIL	ADA TRUNCATED DOMES	
1.10	SEE ARCH.	ELEVATED DECK (SHOWN FOR REFERENCE - SEE ARCH. PLANS)	

2.1	SEE CIVIL	VERTICAL CURB
2.2	SEE CIVIL	CURB RAMPS
2.3	SEE ARCH.	STAGE RAMP (SHOWN FOR REFERENCE - SEE ARCH. PLANS)
2.4	SEE ARCH.	STAGE STAIRS (SHOWN FOR REFERENCE - SEE ARCH. PLANS)
2.5	3 / L3.1	RAISED BRICK BORDER

3.1	5 / L3.1	LOW PLANTER WALL
3.2		NOT USED
3.3	BY CITY	ART SCULPTURE BASE & MONUMENT - TYPE A (SHOWN FOR REFERENCE ONLY) - TYPE B (SHOWN FOR REFERENCE ONLY)
3.4	4 / L3.2	ENTRY PERGOLA - PRICED AS ADD ALTERNATE
3.5	SEE ARCH.	MULTI-PURPOSE PAVILION WITH STAGE (SHOWN FOR REFERENCE - SEE ARCH. PLANS)
3.6	BY CITY	RESTROOM BUILDING (SHOWN FOR REFERENCE - PREFAB SELECTION BY CITY)

4.0 RAILINGS, BARRIERS, & FENCING		
4.1	1 / L3.2	PERIMETER FENCE
	NOT USED	REMOVABLE BOLLARD
4.3	SEE ARCH.	STAGE RAILINGS (SHOWN FOR REFERENCE - SEE ARCH. PLANS)

SHELF ORNAMENT		
5.1	BY CITY	BENCH
5.2	BY CITY	TRASH RECEPTACLE
5.3	BY CITY	DOG WASTE STATION
5.4	BY CITY	GROUP PICNIC TABLE
5.5	BY CITY	MOVEABLE FURNITURE
5.6	3 / L3.2	TREE GRATE
5.7	SEE CIVIL	CONCRETE WHEEL STOPS
5.8	BY CITY	BIKE RACK

6.0 LIGHTING, ELECTRICAL, & MEP: FINAL DESIGN BY OTHERS
REFER TO SHEET L6.1 & L6.2 FOR MEP COORDINATION PLAN.

7.10 MISCELLANEOUS USE FEATURES

NOT USED

1. CONTRACTOR SHALL PROVIDE SAMPLES OF ALL MATERIALS AND PRODUCTS TO LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION FOR REVIEW AND APPROVAL.
2. ALL HARDSCAPE SHALL BE LAID OUT FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
3. PROVIDE CONDUIT FOR LIGHTING. REFER TO SHEETS L6.1 & L6.2 FOR CONDUIT PLAN.
4. NOTIFY LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES IN THE FIELD.

[illegible]

NO.	REVISIONS	BY	DATE



LOTS C & D
FERNANDINA BEACH WATER
FRONT PARK

CLIENT/OWNER:
CITY OF FERNANDINA BEACH
204 ASH STREET
FERNANDINA BEACH, FL 32034

CITY OF FERNANDINA BEACH
204 ASH STREET
FERNANDINA BEACH, FL 32034



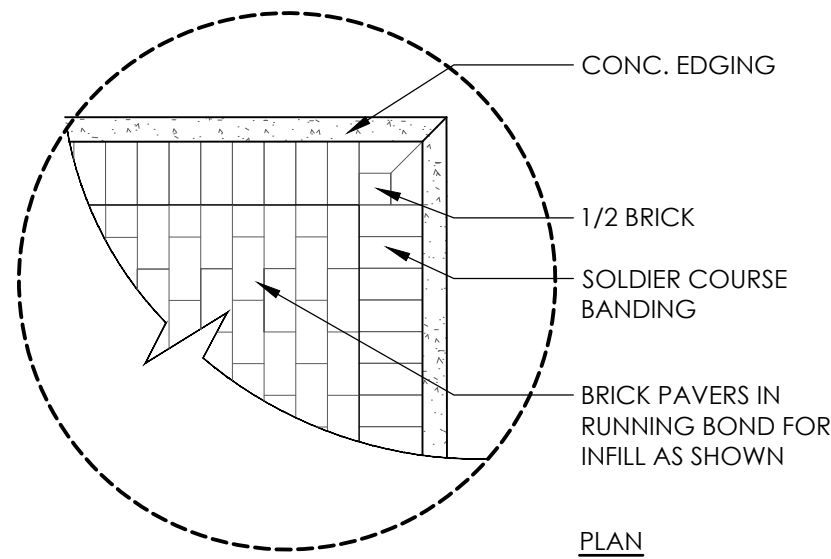
DOB NO:	29401.0002
DATE:	07/01/2024
DRAWN:	JAS
DESIGNED:	JAS
REVIEWED:	JLG
APPROVED:	JLG
SCALE:	1" = 20'

L1.2

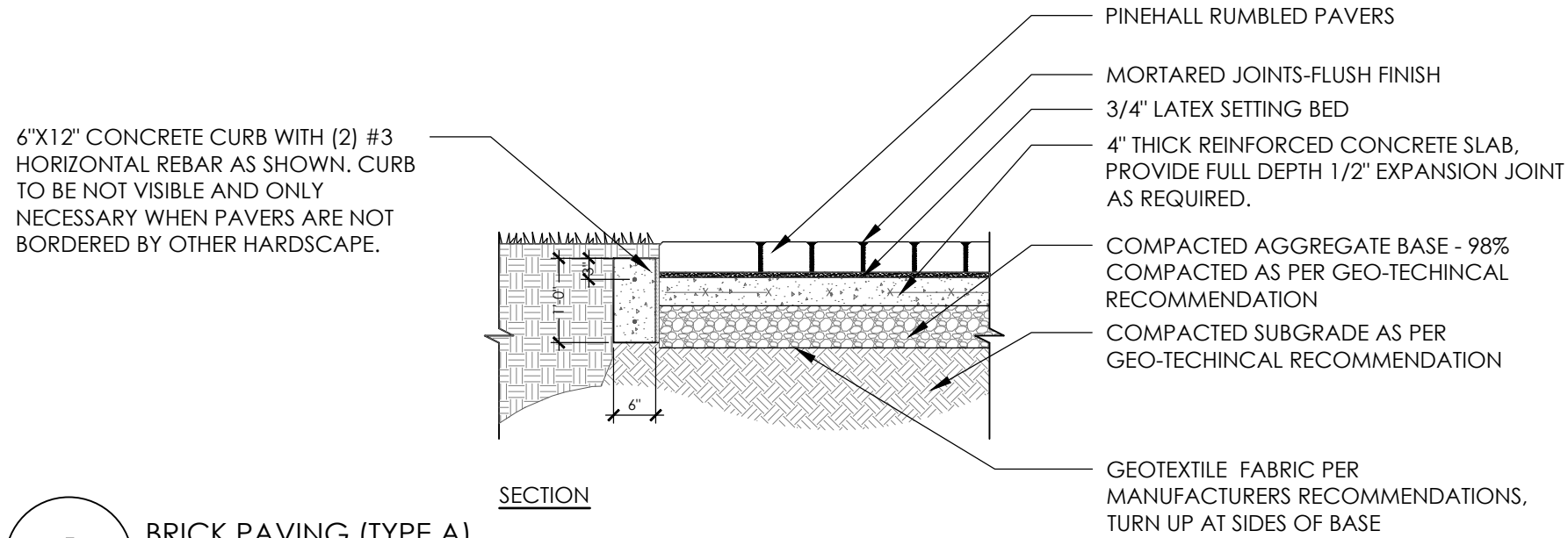
Z:\2024\0401\000\LANDSCAPE ARCHITECTURE\DRAWINGS\CONSTRUCTION\LANDSCAPE\13.1-01 SITE DETAILS.DWG - AUG 15, 2024 - 4:11 AM

NOTES:

1. DRAIN PIPES BELOW THE BASE MAY BE NECESSARY IN SLOW DRAINING SUBGRADE
2. PAVER TO BE INSTALLED PER BRICK PAVER INSTITUTE TECH SPEC 2 FOR GUIDELINES AND SPECIFICATIONS FOR BASE MATERIALS, SUBGRADE SOIL AND BASE COMPACTION.
3. DO NOT COVER TOP OF AGGREGATE BASE WITH GEOTEXTILE.
4. PAVERS TO BE PINEHALL CLAY PAVERS.
 - 4.1. COLOR: RUMBLED PATHWAY - FULL RANGE. FINAL COLOR SELECTIONS TO BE CONFIRMED WITH CITY OF FERNANDINA BEACH PRIOR TO ORDERING.
 - 4.2. PATTERN: RUNNING BOND



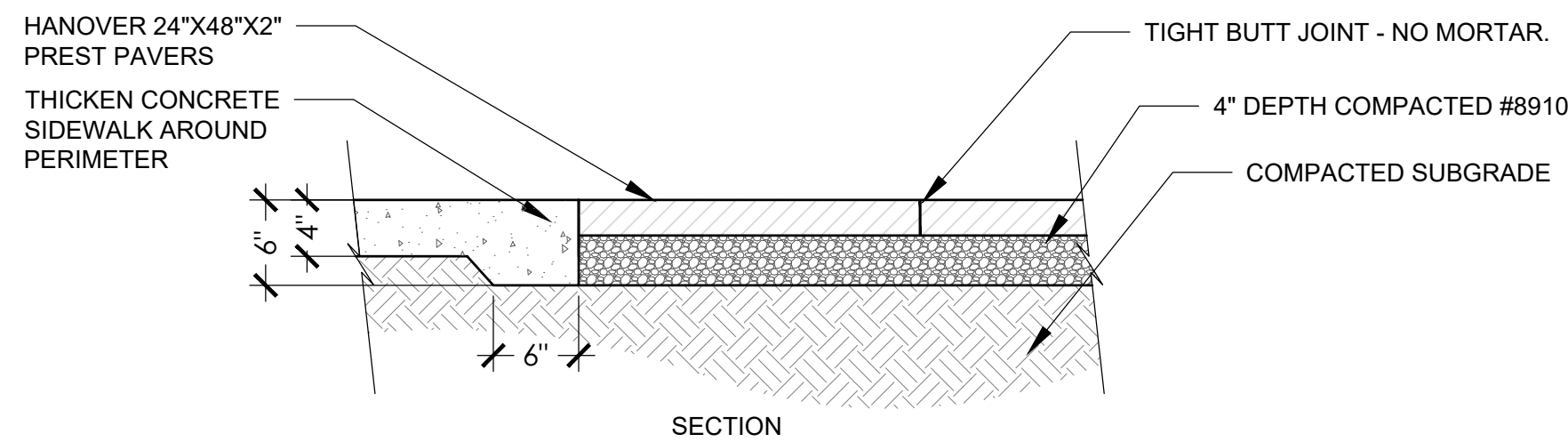
PLAN



SECTION

1 BRICK PAVING (TYPE A)

1/2" = 1'-0"



SECTION

NOTES:

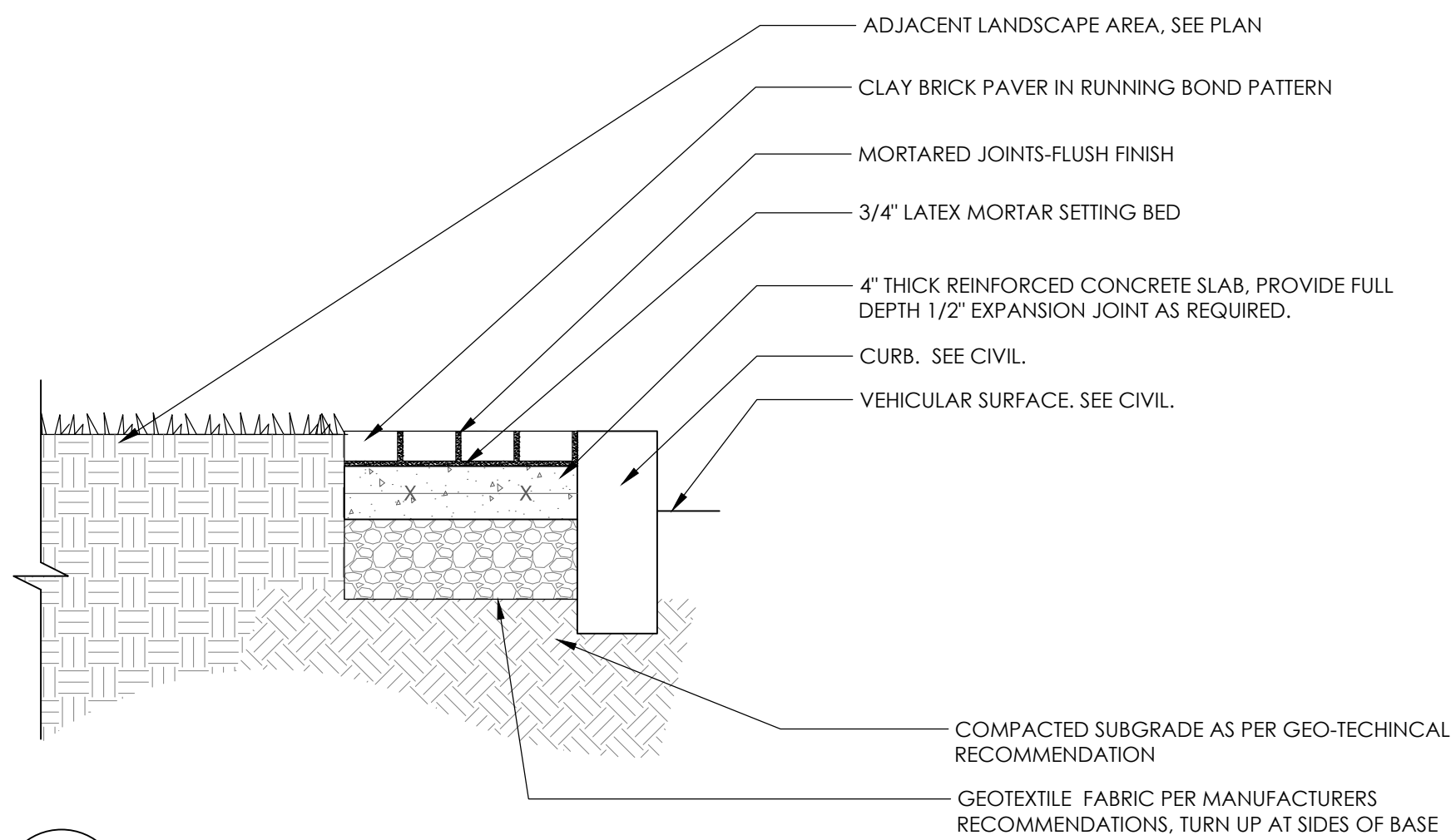
1. ALL EDGES TO BE RESTRAINED WITH TURN DOWN CONCRETE SLAB, WALL, OR BE MORTARED IN PLACE. SEE NOTE #4 BELOW.
2. PAVERS TO BE HANOVER PREST PAVERS. 24" X 48" OR APPROVED EQUIVALENT.
 - 2.1. COLOR: NATURAL SUGGESTED. FINAL COLOR SELECTIONS TO BE CONFIRMED WITH CITY OF FERNANDINA BEACH PRIOR TO ORDERING.
 - 2.2. PATTERN: RUNNING BOND
3. FOR INFILL PAVERS: INSTALL WITH TIGHT BUTT JOINT PER MANUFACTURER RECOMMENDATIONS - NO MORTAR. VERIFY DIMENSIONS PRIOR TO POURING CONCRETE SIDEWALK PERIMETER.
4. FOR PERIMETER PAVERS THAT ARE NOT BOUNDED BY SIDEWALK OR WALL, MORTAR PAVERS IN PLACE TO SET EDGE.
5. REFER TO SHEETS L1.1 & L1.2 FOR LOCATION & DIRECTION OF RUNNING BOND.

4 LARGE CONCRETE PAVER PAVING

1" = 1'-0"

2 BRICK CURB HEADER (TYPE B)

1" = 1'-0"

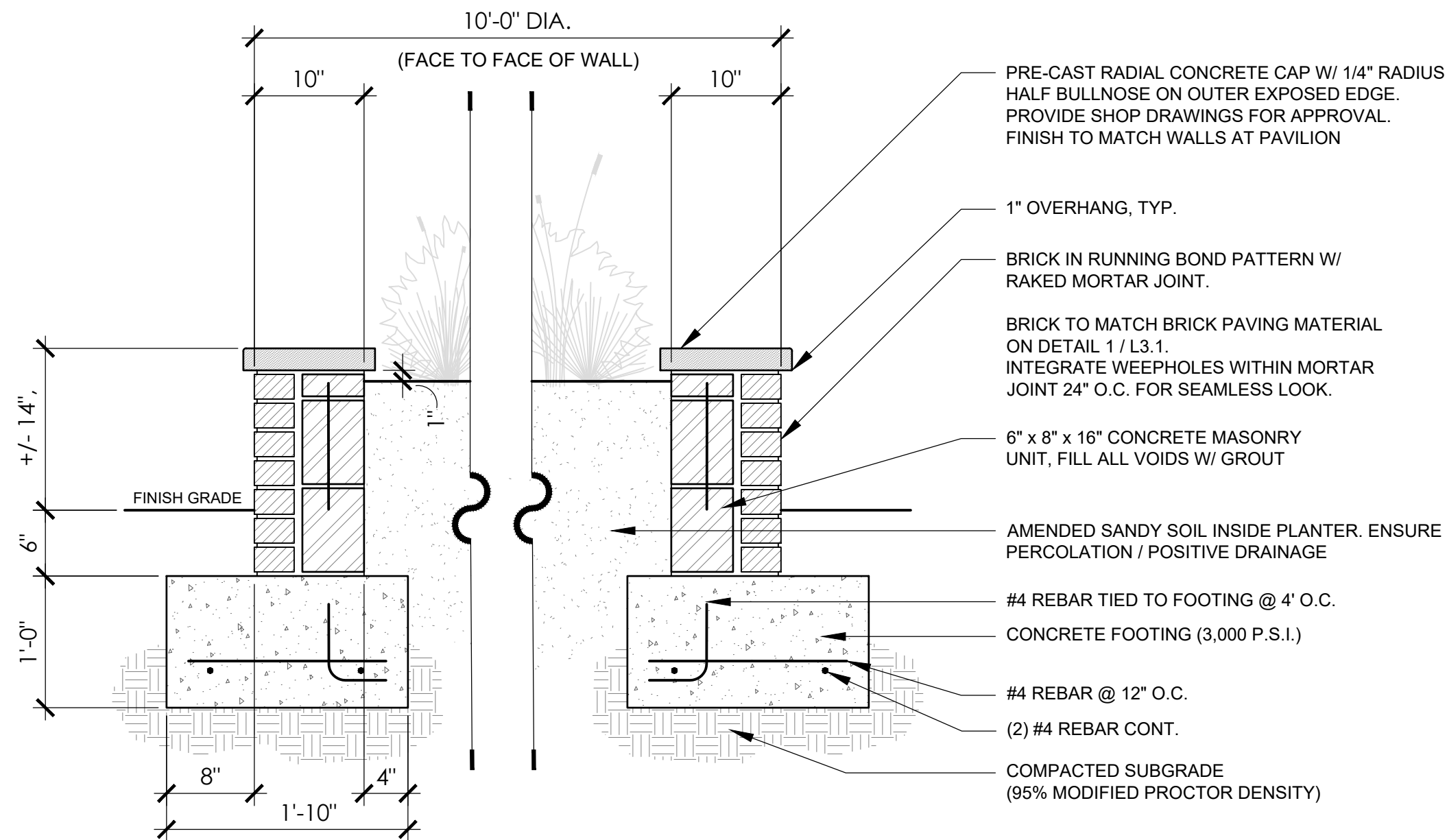


NOTES:

1. CONTRACTOR TO PROVIDE MOCK-UP OF ALL MATERIALS PRIOR TO ORDERING FOR APPROVAL BY CITY OF FERNANDINA BEACH PRIOR TO ORDERING. INCLUDING:
 - 1.1. CONCRETE CAP WITH JOINTING PATTERN.
 - 1.2. BRICK
 - 1.3. MORTAR
2. REFER TO MATERIALS PLAN FOR LOCATION.

5 LOW PLANTER WALL

1" = 1'-0"

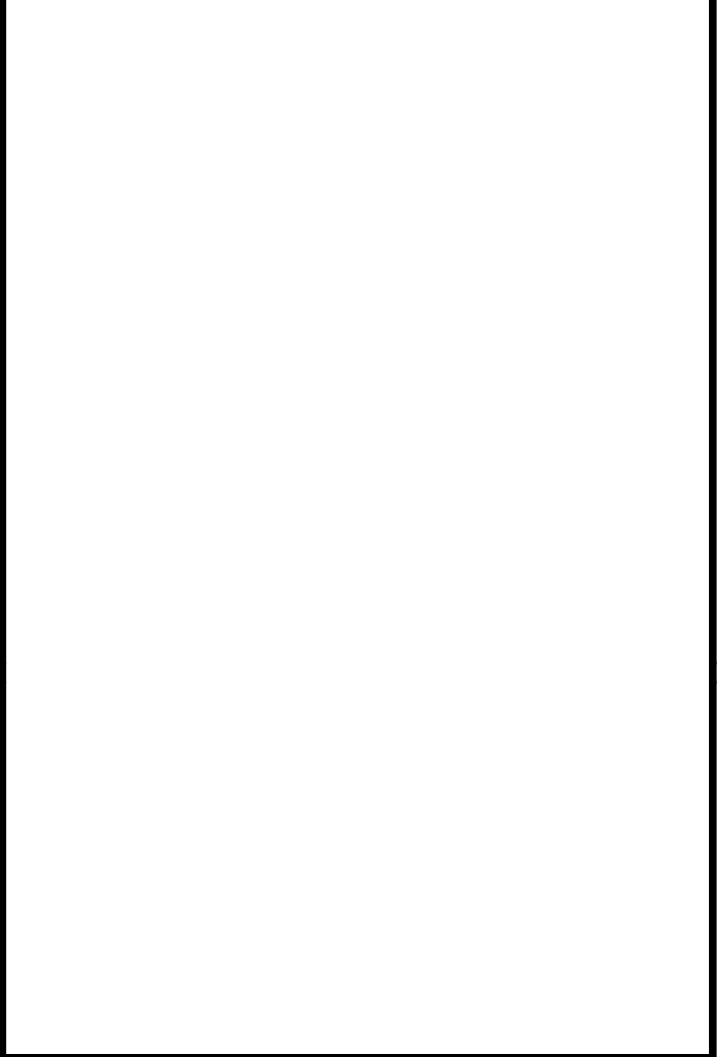
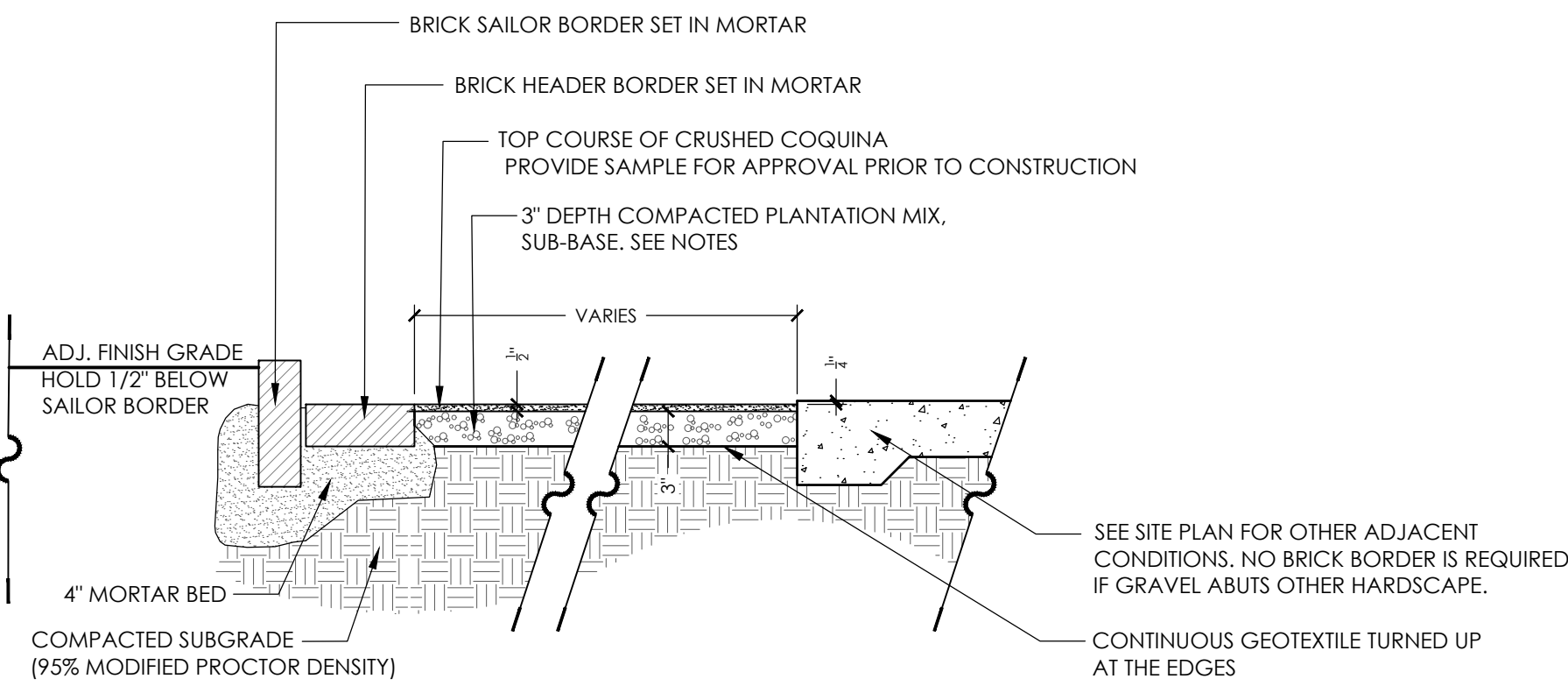


3 CRUSHED GRAVEL PAVING & RAISED BRICK BORDER

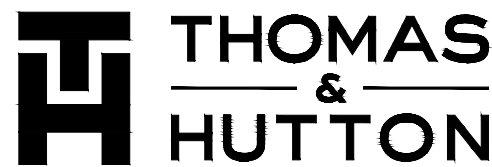
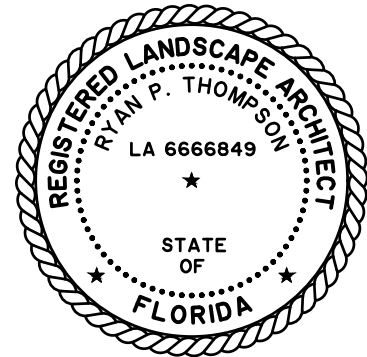
1" = 1'-0"

NOTES:

1. BASE MIX SHALL BE 50% #789 STONE AND 50% UNWASHED GRANITE SCREENINGS, PRE-MIXED PRIOR TO BE DELIVERED ON SITE & TOPPED WITH COQUINA MIX. CONTRACTOR TO PROVIDE SAMPLE BAG OF CRUSHED COQUINA SHELL FOR APPROVAL PRIOR TO CONSTRUCTION.
2. GRAVEL MIX SHALL HAND-TAMPED.
3. CONTRACTOR SHALL MICRO-GRADE SITE SO THAT THERE IS NO WASHOUT OF AGGREGATE MATERIAL FROM PATHWAY EDGES.
4. BRICK EDGES TO MATCH BRICK SPECIFIED ON DETAIL 1/L3.1



NO.	REVISIONS	BY	DATE



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Brunswick, GA 31520 • 912.466.0536
www.thomasandhutton.com

SITE DETAILS

LOTS C & D
FERNANDINA BEACH WATER
FRONT PARK

PROJECT LOCATION:
FERNANDINA BEACH,
FLORIDA

CLIENT/OWNER:
CITY OF FERNANDINA BEACH
204 ASH STREET
FERNANDINA BEACH, FL 32034

DATUM: HORIZ.: FL83-EF

VERT.: NAVD-1988

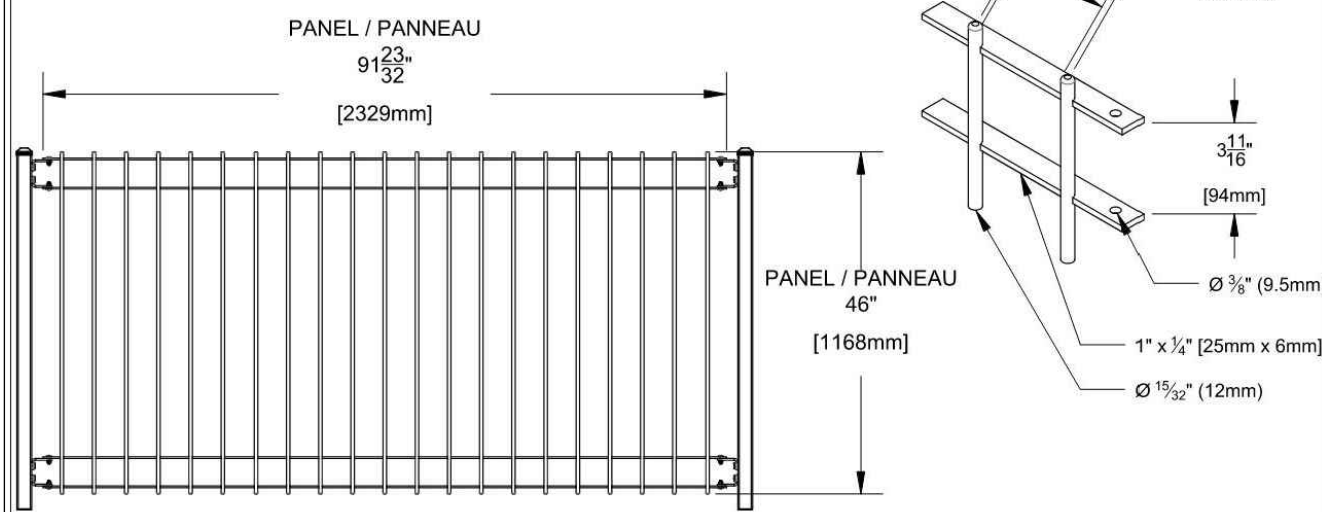
JOB NO: 29401.0002
DATE: 07/01/2024
DRAWN: JAS
DESIGNED: JAS
REVIEWED: JLG
APPROVED: JLG
SCALE: 1" = 24'

L3.1

OMEGA CLASSIC PANELS MOUNTED ON SQUARE POSTS (4' HEIGHT) REVISION 01
 PANNEAUX OMEGA CLASSIC SUR POTEAUX CARRÉS (HAUTEUR DE 4')

REVISION 0

Panel / Panneau 4'



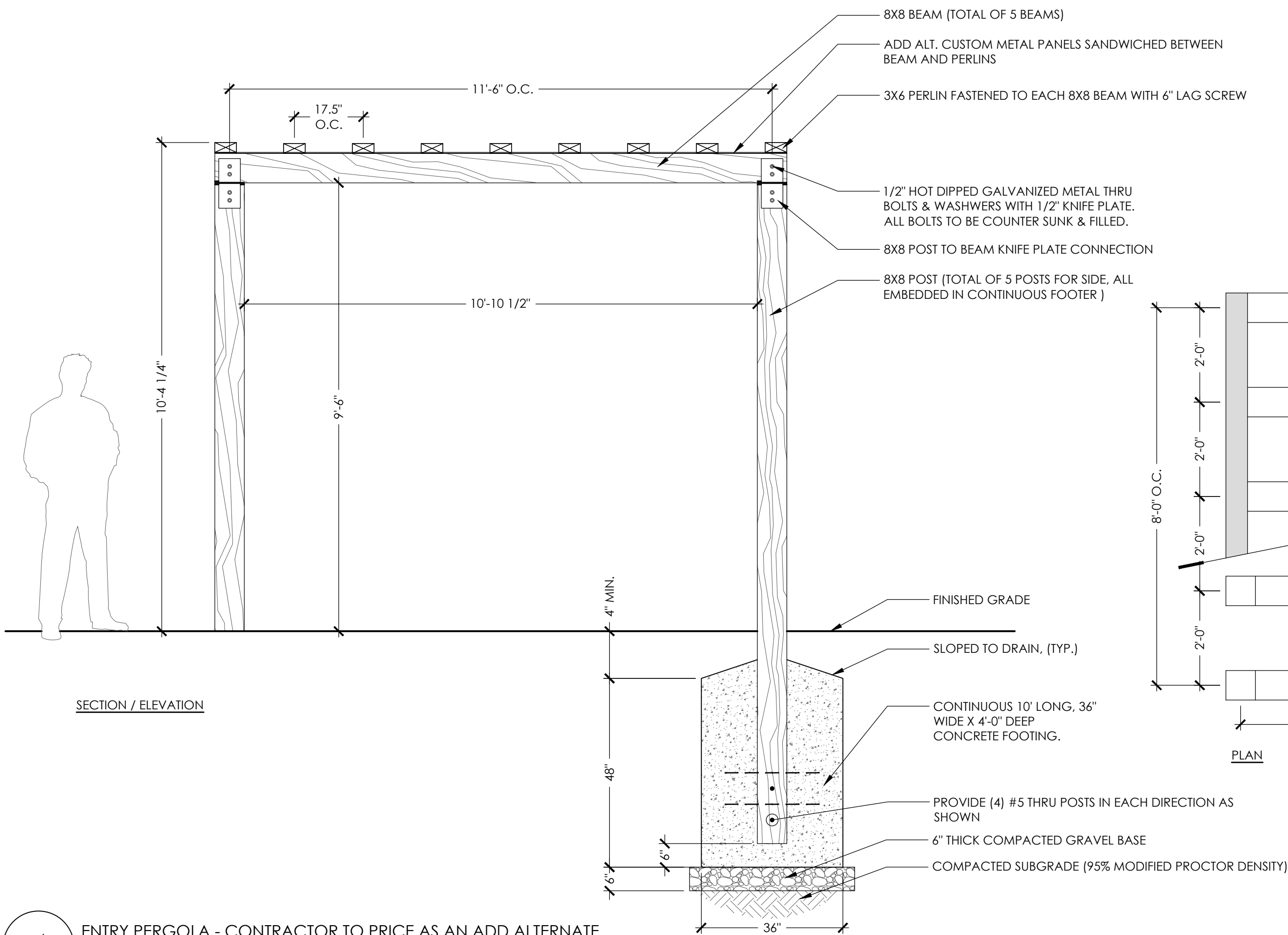
Système de Closures Omega II Tel: 450-686-9600
1735 boul. St-Elzéar Ouest 1-800-836-6342
Laval, Quebec Fax: 450-681-5318
H7L 3N6 www.omegadeux.com

NOTES:

1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
2. REFER TO MATERIALS PLAN FOR LOCATIONS.
3. CONTRACTOR MAY SUBMIT ALTERNATIVE FENCE TYPES FOR APPROVAL BY CITY'S REPRESENTATIVE AND/OR LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.

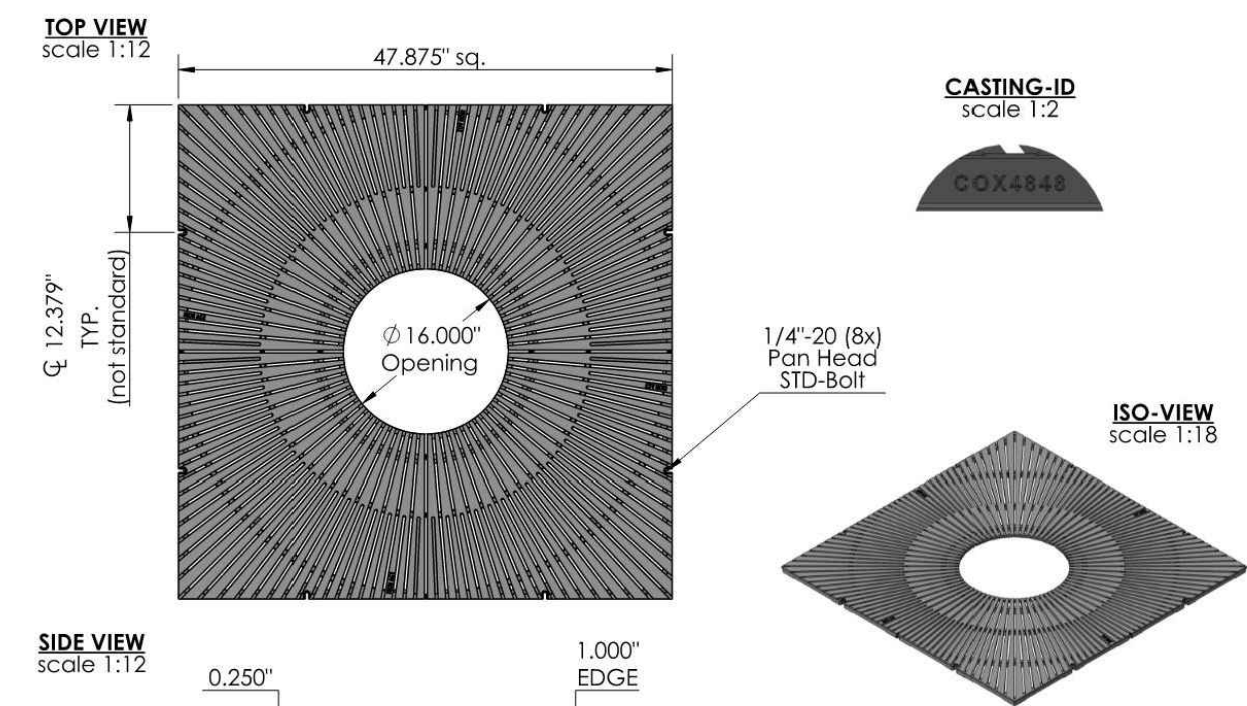
1

PERIMETER FENCE
NOT TO SCALE



4

ENTRY PERGOLA - CONTRACTOR TO PRICE AS AN ADD ALTERNATE
1/2" = 1'-0"



Corona 4' x 4' Tree Grate - Heel Proof

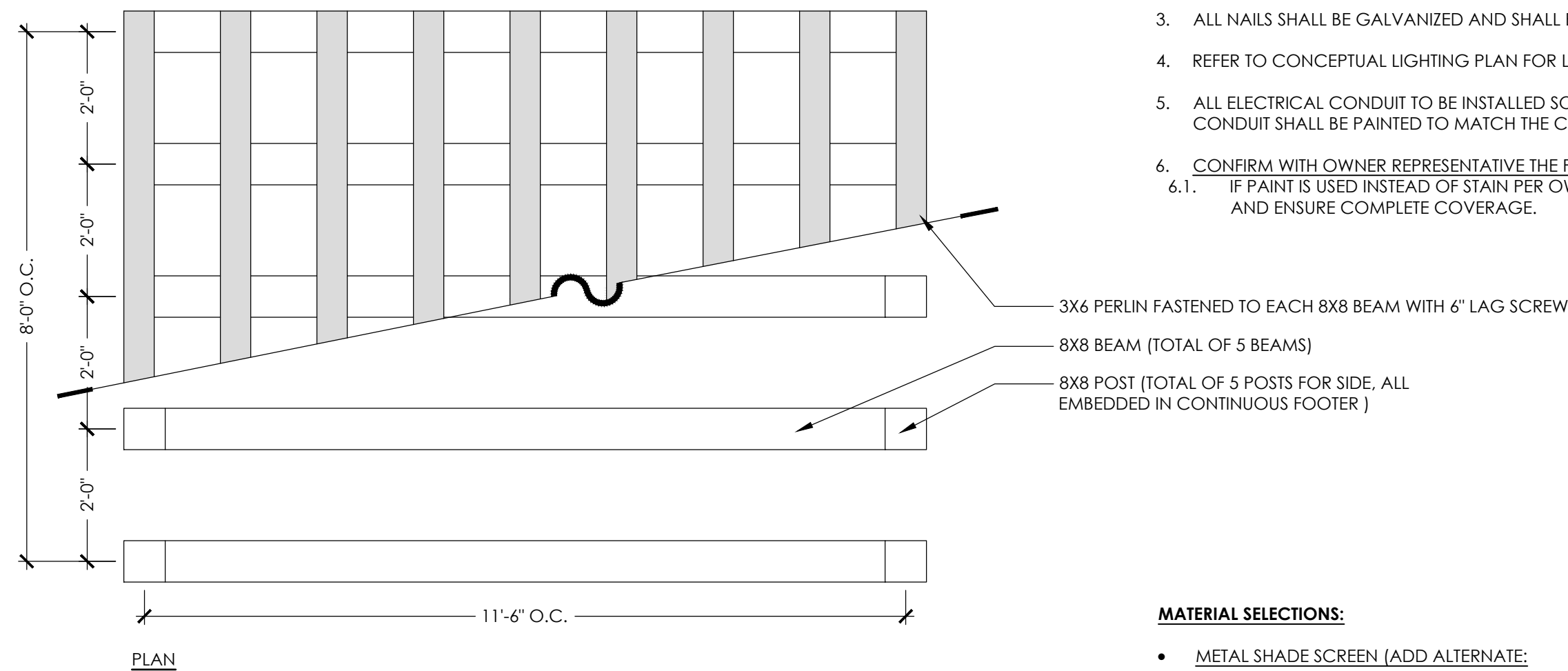
 IRON AGE DESIGNS Telephone 266.276.0925 www.ironagedesigns.com	Material: Cast Iron CL 35 or better	Weight: 197.40 lbs.	Free Drain Area: 466.72 in/sq. or 22.36 %	By: MS	Checked: MS	Date: 11-2-
	Finish: Raw	Edge: 1.000"	Flow Rate: 611.40 GPM	© Registration: VA 1-970-750 Scale: N		
Fits: Iron Age Custom Frame	Product ID: COX48-481997GHP		Drawing Name: 06_COR_148x48HP_TreeGrade_Comp			
SOLD SEPARATELY		Pa				

NOTES:

1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
2. CONTRACTOR MAY SUBMIT ALTERNATIVE TREE GRATE TYPE FOR APPROVAL BY CITY'S REPRESENTATIVE AND/OR LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. ANY TREE GRATE SPECIFIED MUST BE HEEL-PROOF WITH NO OPENINGS GREATER THAN 1/4".
3. UTILIZE 'SOC' DETAIL FOR ATTACHMENT OF TREE GRATE FRAME TO CONCRETE SUB-SLAB UNDER PAVERS SUB-SLAB TO BE THICKENED TO ACCOMMODATE FRAME.

3

TREE GRATE
NOT TO SCALE



NOTES:

1. ALL TIMBER SHALL BE SOUTHERN PINE, NO. 1 OR BETTER IN ACCORDANCE WITH SPIB GRADING RULES, TREATED WITH ACQ PRESERVATIVE TREATMENT TO 0.25 POUNDS PER CUBIC FOOT.
2. ALL BOLTS, NUTS AND WASHERS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123-GRADE 85.
3. ALL NAILS SHALL BE GALVANIZED AND SHALL BE CERTIFIED BY MANUFACTURER FOR USE IN ACQ TREATED LUMBER.
4. REFER TO CONCEPTUAL LIGHTING PLAN FOR LIGHT SUGGESTIONS
5. ALL ELECTRICAL CONDUIT TO BE INSTALLED SO AS TO APPEAR INTEGRATED INTO THE DESIGN AS MUCH AS POSSIBLE. ALL CONDUIT SHALL BE PAINTED TO MATCH THE COLOR OF THE MATERIAL IT IS INSTALLED AGAINST.
6. CONFIRM WITH OWNER REPRESENTATIVE THE FINAL STAIN OR PAINT COLOR & SUBMIT FINISH SAMPLES FOR APPROVAL
- 6.1. IF PAINT IS USED INSTEAD OF STAIN PER OWNER REF DIRECTION - PROVIDE 1 COAT OF PRIMER AND 2 COATS OF PAINT AND ENSURE COMPLETE COVERAGE.

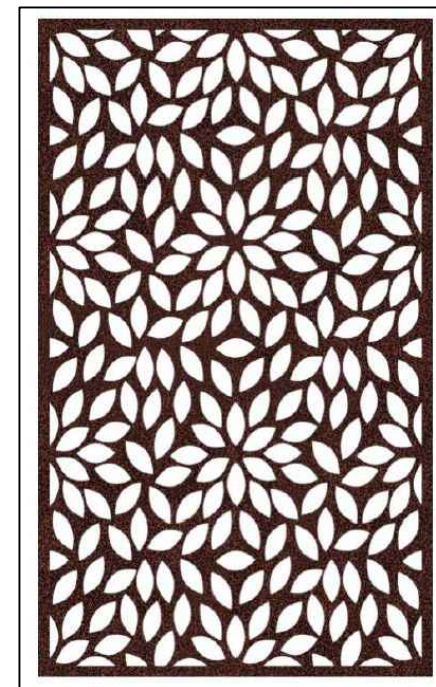
MATERIAL SELECTIONS:

- METAL SHADE SCREEN (ADD ALTERNATE:

ARTISAN PANELS, INC.
FINISH: COPPER VEIN, PATTERN: #119 - SCATTERED LEAVES
MOUNT PANELS TO JOISTS AND PERLONS VIA METAL NAILS PER
MANUFACTURER'S MOUNTING & STRUCTURAL RECOMMENDATIONS.

CONTRACTOR TO PROVIDE FINAL SHOP DRAWINGS FROM MANUFACTURER FOR APPROVAL BY CITY REPRESENTATIVE PRIOR TO PURCHASING.

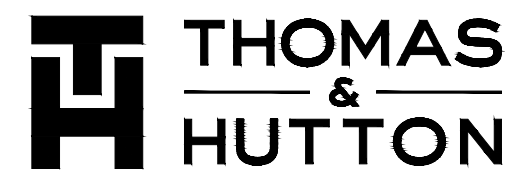
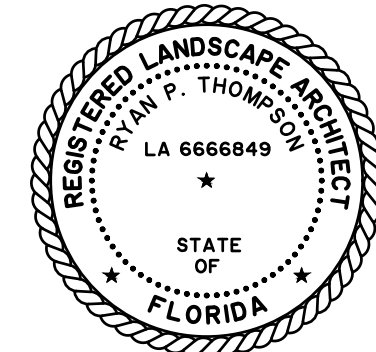
CONTACT: (E) SALES@ARTISANPANELS.COM / (P) 714.351.3234



ADD ALTERNATE

METAL SHADE SCREEN
FINISH: COPPER VEIN
PATTERN: #119 SCATTERED LEAVES
CUSTOM PANELS

NO.	REVISIONS	BY	DATE



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SITE DETAILS

LOTS C & D
FERNANDINA BEACH WATER
FRONT PARK

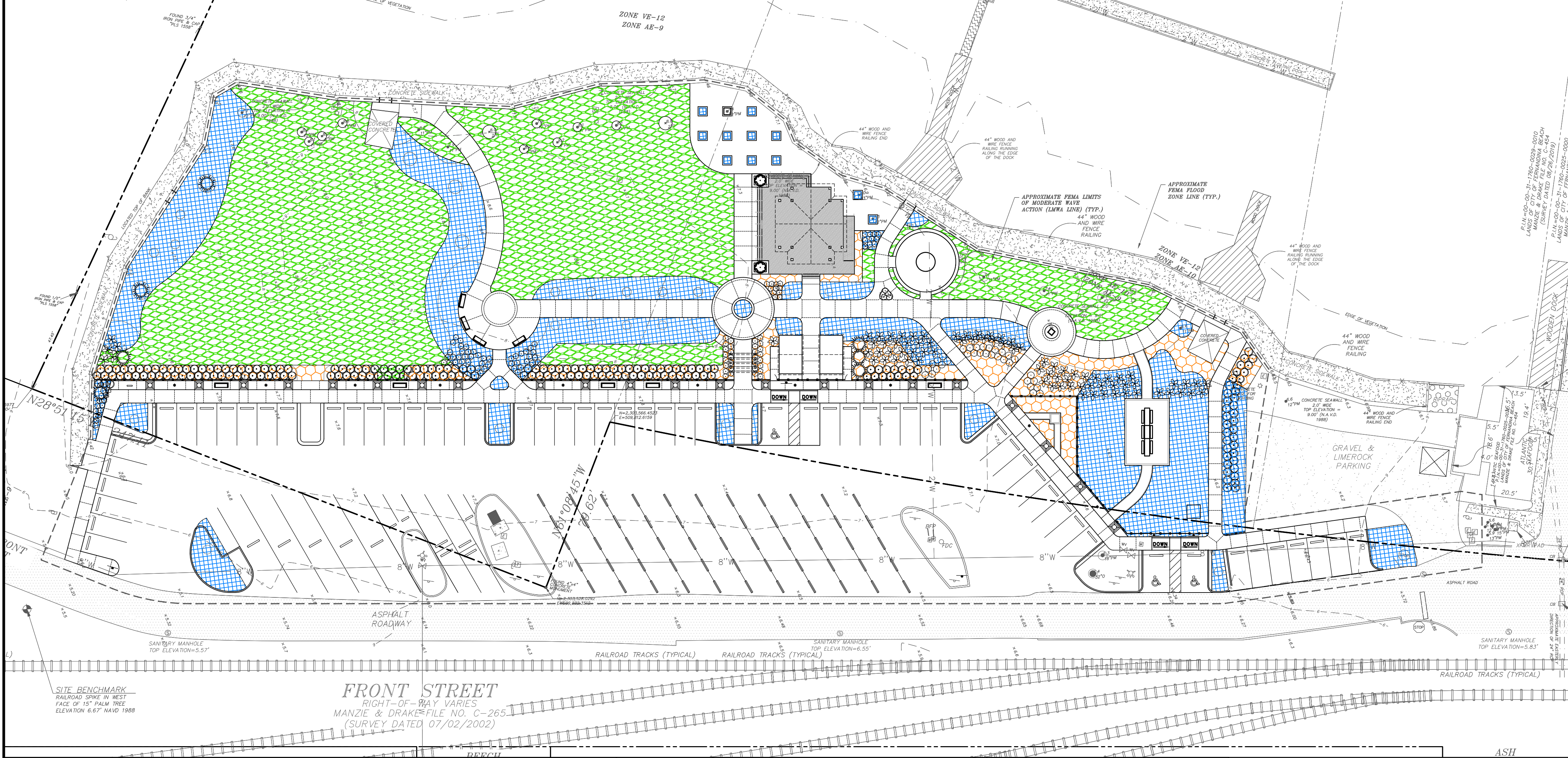
PROJECT LOCATION:
FERNANDINA BEACH,
FLORIDA

CLIENT/OWNER:
CITY OF FERNANDINA BEACH
204 ASH STREET
FERNANDINA BEACH, FL 32034

DATUM: HORIZ.: FL83-EF VERT.: NAVD-1988

JOB NO:	29401.0002
DATE:	07/01/2024
DRAWN:	JAS
DESIGNED:	JAS
REVIEWED:	JLG
APPROVED:	JLG
SCALE:	#####

L3.2



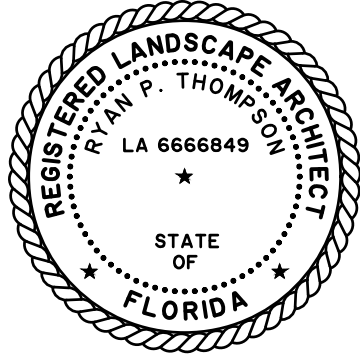
SOILS PLAN LEGEND

	SOIL ZONE 1	36" DEPTH MIN.
	± 11,749 SF	
	SOIL ZONE 2	24" DEPTH MIN.
	± 4,805 SF	
	SOIL ZONE 3	6" DEPTH MIN.
	± 24,594 SF	

SOIL NOTES:

- CONTRACTOR HAS BEEN PUT ON NOTICE THAT SOILS PRESENT ON SITE DOES NOT EXHIBIT OPTIMAL PERCOLATION. REFER TO GENERAL LANDSCAPE NOTES ON SHEET L5.3, SPECIFICALLY NOTES #7 & #8.
- CONTRACTOR SHALL PROVIDE AND OBTAIN SOIL TESTS PER THE LANDSCAPE SPECIFICATIONS ON SHEET L5.5 & NOTIFY THE CITY AND LANDSCAPE ARCHITECT OF THE PROPOSED SOIL REMEDIATION PLAN FOR THE OPTIMAL HEALTH AND SURVIVAL OF SPECIFIED PLANT MATERIAL.
- AT A MINIMUM, THE RECOMMENDED SOIL PLAN AND CORRESPONDING DEPTHS OF IMPROVED SOILS SHOULD BE FOLLOWED. HOWEVER, FIELD CONDITIONS MAY VARY AND IT IS IMPORTANT THAT SUFFICIENT DRAINAGE AND APPROPRIATE TOP SOIL AS DEFINED IN THE LANDSCAPE SPECIFICATIONS ARE PROVIDED.

NO.	REVISIONS	BY	DATE



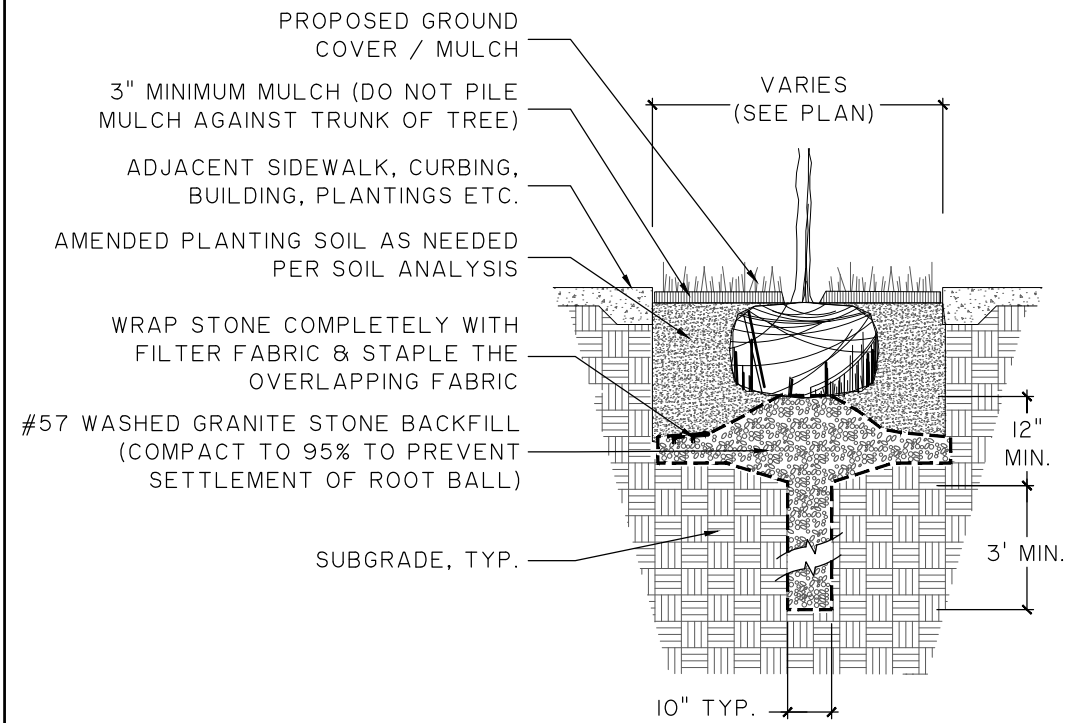
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SOIL PLAN

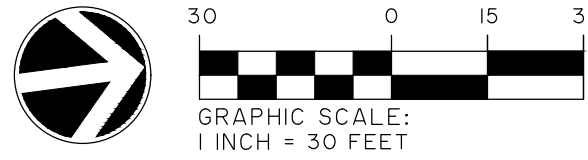
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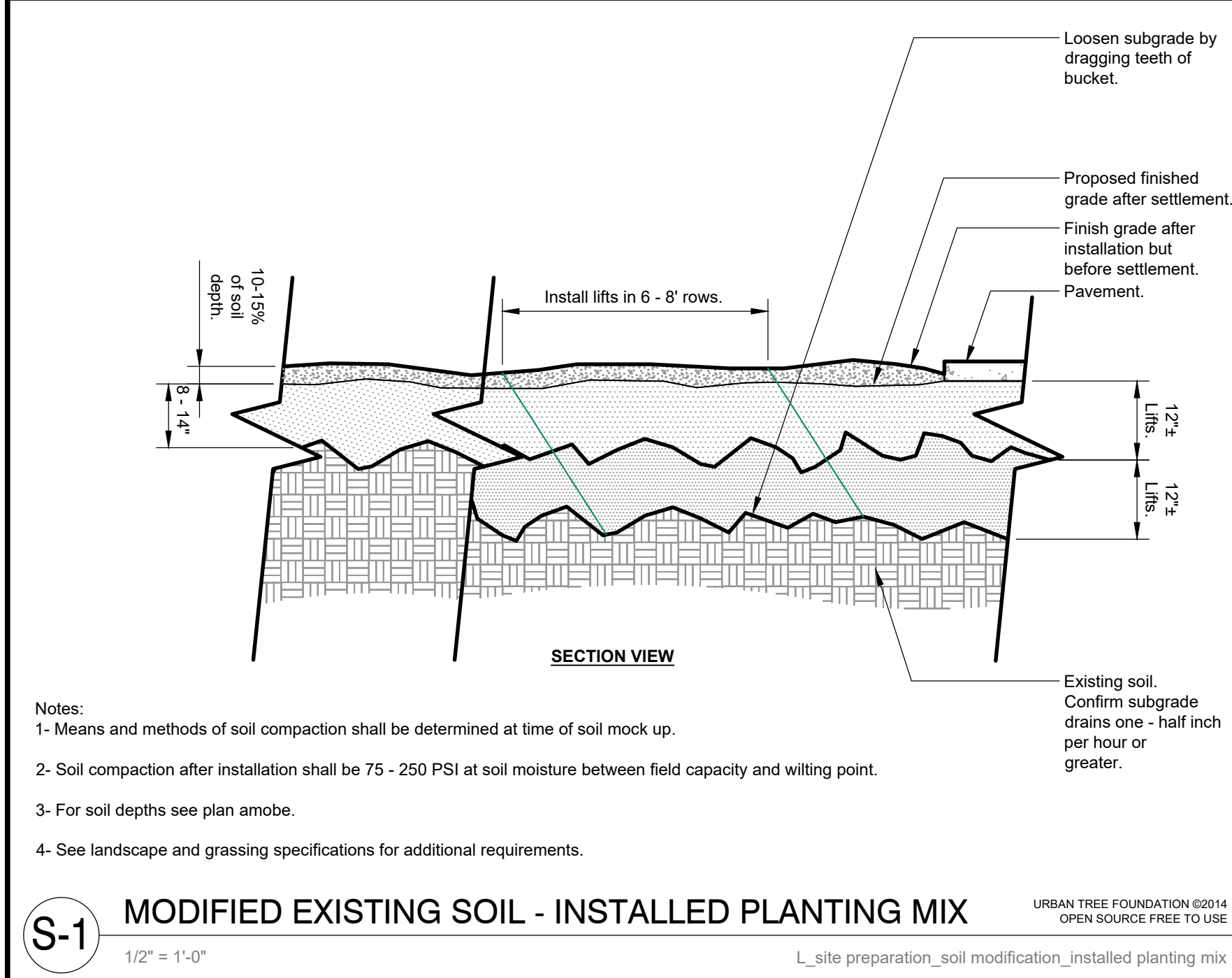
NON PERCOLATING PLANT PIT
NOT TO SCALE



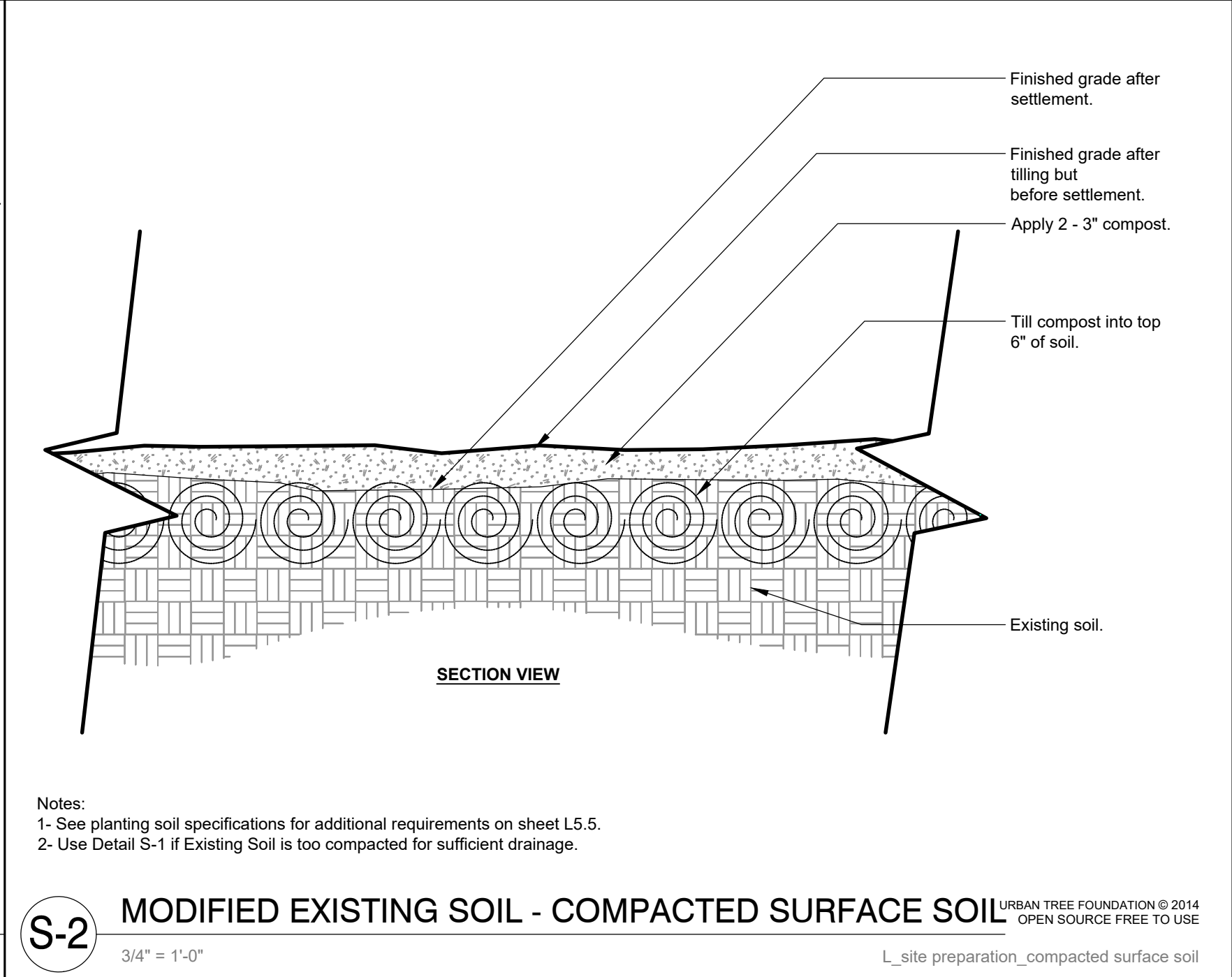
DATUM: HORIZ.: FL83-EF VERT.: NAVD-1988

JOB NO: 29401.0002
DATE: 07/01/2024
DRAWN: JAS
DESIGNED: JAS
REVIEWED: JLG
APPROVED: JLG
SCALE: 1" = 30'

L4.1



S-1 MODIFIED EXISTING SOIL - INSTALLED PLANTING MIX
1/2" = 1'-0"
L_site preparation_soil modification_installed planting mix



S-2 MODIFIED EXISTING SOIL - COMPACTED SURFACE SOIL
3/4" = 1'-0"
L_site preparation_compacted surface soil

Z:\3900\390000\LANDSCAPE ARCHITECTURE\CONSTRUCTION PLANS\390000 - L4.0 - SOILS PLANS.DWG - Aug 10, 2024 - 8:03 AM

PERMIT SET - FOR REVIEW PURPOSES ONLY

PLANT SCHEDULE

PLANT SCHEDULE			
TREES	ABBRV	SCIENTIFIC NAME	COMMON NAME
1	CA	<i>Cupressus arizonica</i> 'Blue Ice'	Arizona Cypress 'Blue Ice'
2	SJ	<i>Juniperus chinensis</i> 'Spartan'	Spartan Juniper
7	JVB	<i>Juniperus virginiana</i> 'Brodie'	Red Cedar
20	LTUL	<i>Liriodendron tulipifera</i> 'JFS-OZ'	Emerald City Tulip Poplar
31	MVGS	<i>Magnolia virginiana</i> 'Green Shadow'	Green Shadow Sweetbay Magnolia
12	QV - L	<i>Quercus virginiana</i>	Live Oak
2	QV - SM	<i>Quercus virginiana</i>	Live Oak

PALMS			
QNTY	ABBRV	SCIENTIFIC NAME	COMMON NAME
13	SP	<i>Sabal palmetto</i>	Sabal Palm
22	SP-16	<i>Sabal palmetto</i>	Sabal Palm

SHRUBS			
QNTY	ABBRV	SCIENTIFIC NAME	COMMON NAME
33	ILVS	<i>Ilex vomitoria</i> 'Stokes'	Dwarf Schillings Holly
41	PAUR	<i>Plumbago auriculata</i>	Plumbago
60	PODO	<i>Podocarpus macrophyllus</i>	Podocarpus
81	SER	<i>Sereno repens</i>	Saw Palmetto

ORNAMENTAL GRASSES AND GROUNDCOVERS			
QUANTITY	ABBREV	SCIENTIFIC NAME	COMMON NAME
14	DIEI	<i>Dierfus iridoides</i>	African Iris
4	HOEB	<i>Helianthus debilis</i>	Dune Sunflower
1099	LIBB	<i>Liriodie muscari</i> 'Big Blue'	Pink Blue Grass
177	MUHC	<i>Muhlenbergia caprivi</i>	Pink Muhly
262	MUHA	<i>Muhlenbergia reverchonii</i>	Red Muhly
7	PESA	<i>Pennisetum setaceum</i> 'Alba'	White Fountain Grass
8	ROOP	<i>Roseranus officinalis</i> 'Prostratus'	Trailing Rosemary
193	SPAR	<i>Spartina bakeri</i>	Cord Grass
4	TRAJ	<i>Trachelospermum jasminoides</i>	Confederate Jasmine

SCHEDULE NOTES:

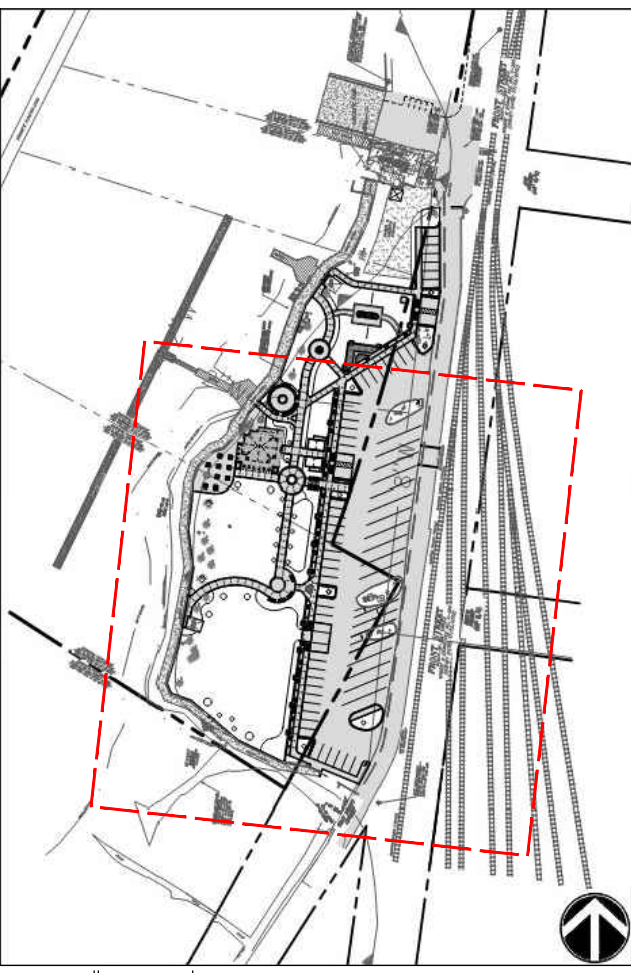
- ALL LANDSCAPE AREAS IN COMMON SPACE NOT COVERED BY HARDCAPE OR SOD ARE TO BE MULCHED. REFER TO NOTE #19 ON SHEET L5.3 FOR TYPE.
- ALL AREAS OF SITE TO BE FULLY STABILIZED. REFER TO ENGINEERING SHEETS FOR MORE INFORMATION.
- CONTRACTOR TO ENSURE LANDSCAPE BEDS PERCOLATE. REFER TO SOILS PLAN FOR ADDITIONAL INFORMATION.

KEYNOTES

SPECIFIC INSTANCES ARE CALLED OUT, BUT THESE NOTES ARE INTENDED TO BE FOR ENTIRE PHASE ONE

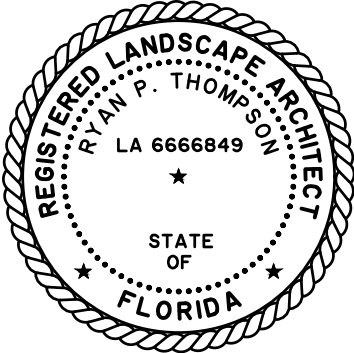
- ① **MULCH & BEDLINE NOTE:** PROVIDE A CLEAN AND CLEAR DELINEATION FROM LAWN AREAS AND MULCHED PLANTING AREAS. PROVIDE SHOVEL-CUT EDGE FOR TRANSITIONS. ALL MULCHED AREAS TO BE FREE AND CLEAR OF DEBRIS WITH A CONSISTENT AND EVEN COVERAGE OF HARDWOOD MULCH. NO SOIL BELOW SHALL BE VISIBLE.
- ② **PRUNING NOTE:** ALL REMAINING TREES TO BE LIMBED UP & PRUNED TO ANSI A300 PRUNING STANDARDS. FOR PALM TREES - REMOVE ANY DEAD FRONDS OR SEED PODS.

KEY MAP



SCALE: 1" = 200'

D.	REVISIONS	BY	DAT
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PLANTING PLAN

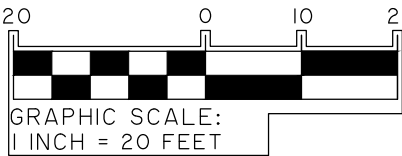
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REVIEWED: JLG

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L5.1

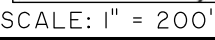


PLANT SCHEDULE

ORNAMENTAL GRASSES AND GROUNDCOVERS			
QNTY	ABBVR	SCIENTIFIC NAME	COMMON NAME
114	DIEI	<i>Dietes iridoides</i>	African Iris
4	HDEB	<i>Hellelathus debilis</i>	Dune Sunflower
109	LIIB	<i>Liriope muscarifolia</i>	Big Blue Liriope
177	MUBH	<i>Muhlenbergia capillaris</i>	Pink Muhly Grass
162	MURH	<i>Muhlenbergia reverchonii</i>	Rose Muhly
7	PESA	<i>Pennisetum setosum</i> 'Alba'	Whie Fountain Grass
8	ROOP	<i>Rosmarinus officinalis</i> 'Prostratus'	Trailing Rosemary
193	SPAR	<i>Spartina bakeri</i>	Cord Grass
4	TRAJ	<i>Trachelospermum jasminoides</i>	Confederate Jasmine

1. ALL LANDSCAPE AREAS IN COMMON SPACE NOT COVERED BY HARDSCAPE OR SOD ARE TO BE MULCHED. REFER TO NOTE # 19 ON SHEET L5.3 FOR TYPE.
2. ALL AREAS OF SITE TO BE FULLY STABILIZED. REFER TO ENGINEERING SHEETS FOR MORE INFORMATION.
3. CONTRACTOR TO ENSURE LANDSCAPE BEDS PERCOLATE. REFER TO SOILS PLAN FOR ADDITIONAL INFORMATION.

- 1 **MULCH & BEDLINE NOTE:** PROVIDE A CLEAN AND CLEAR DELINEATION FROM LAWN AREAS AND MULCHED PLANTING AREAS. PROVIDE SHOVEL-CUT EDGE FOR TRANSITIONS. ALL MULCHED AREAS TO BE FREE AND CLEAR OF DEBRIS WITH A CONSISTENT AND EVEN COVERAGE OF HARDWOOD MULCH. NO SOIL BELOW SHALL BE VISIBLE.
- 2 **PRUNING NOTE:** ALL REMAINING TREES TO BE LIMBED UP & PRUNED TO ANSI A300 PRUNING STANDARDS. FOR PALM TREES - REMOVE ANY DEAD FRONDS OR SEED PODS.



NO.	REVISIONS	BY	DAT
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PLANTING PLAN

CLIENT/OWNER:
CITY OF FERNANDINA BEACH
204 ASH STREET
FERNANDINA BEACH, FL 32034



L5.2

PLANT SCHEDULE

TREES						
QNTY	ABBRV	SCIENTIFIC NAME	COMMON NAME	PLANTING SIZE	SPACING	MISCELLANEOUS / REMARKS
1	CA	Cupressus arizonica 'Blue Ice'	Arizona Cypress 'Blue Ice'	B & B OR CONT. ; 12" - 14" HT. MIN.	AS SHOWN	Specimen
2	SJ	Juniperus chinensis 'Spartan'	Spartan Juniper	B & B OR CONT. ; 6' - 8' HT.	AS SHOWN	Specimen
7	JVB	Juniperus virginiana 'Bradie'	Red Cedar	B & B OR CONT. ; 8' - 10' HT.	AS SHOWN	Specimen, Full to Ground
20	LTUL	Liriodendron tulipifera 'JFS-OZ'	Emerald City Tulip Poplar	B & B OR CONT. ; 6" CAL. ; 22' HT. ; 6' SPR	AS SHOWN	Matching Specimen, 7' Clear, All Specimen to be Reviewed by Ownership and Landscape Architect
31	MVGS	Magnolia virginiana 'Green Shadow'	Green Shadow Sweetbay Magnolia	B & B OR CONT. ; 5" CAL. MIN., 20' HT. MIN. 7' SPR.	AS SHOWN	Standard, Single Trunk, 6' Clear
12	QV-LG	Quercus virginiana	Live Oak	B & B OR CONT. ; 6" CAL. ; 10' HT.	AS SHOWN	Specimen
2	QV - SM	Quercus virginiana	Live Oak	B & B OR CONT. ; 3" CAL. ; 12' HT.	AS SHOWN	Specimen

PALMS						
QNTY	ABBRV	SCIENTIFIC NAME	COMMON NAME	PLANTING SIZE	SPACING	MISCELLANEOUS / REMARKS
13	SP	Sabal palmetto	Sabal Palm	BR ; 12" - 18' HT.	AS SHOWN	Stagger Hts., Refoliated Heads
22	SP-16	Sabal palmetto	Sabal Palm	BR. ; 16' HT.	AS SHOWN	Matching HTS., Refoliated Heads

SHRUBS						
QNTY	ABBRV	SCIENTIFIC NAME	COMMON NAME	PLANTING SIZE	SPACING	MISCELLANEOUS / REMARKS
33	ILVS	Ilex vomitoria 'Stokes'	Dwarf Schillings Holly	CONT. ; 12" HT. MIN.	AS SHOWN	Full
41	PAUR	Plumbago auriculata	Plumbago	CONT. ; 12" HT. MIN.	AS SHOWN	Full
60	PODO	Podocarpus macrophyllus	Podocarpus	CONT. ; 42" HT. MIN.	AS SHOWN	Full, Well Formed
81	SER	Sereno repens	Saw Palmetto	CONT. ; 24" HT. MIN.	AS SHOWN	Full

ORNAMENTAL GRASSES AND GROUNDCOVERS						
QNTY	ABBRV	SCIENTIFIC NAME	COMMON NAME	PLANTING SIZE	SPACING	MISCELLANEOUS / REMARKS
114	DIEI	Dietsa iridioides	African Iris	1 GAL. 12" HT. MIN.	2.5'	Full and Well Formed
4	HDEB	Helianthus debilis	Dune Sunflower	1 GAL. 12" X 12"	3'	Full
109B	LIBB	Liriope muscari 'Big Blue'	Big Blue Liriope	CONT. ; 6" HT. MIN.	18"	Full and Well Formed
177	MUHC	Muhlenbergia capillaris	Pink Muhly Grass	CONT. ; 18" HT. MIN.	AS SHOWN	Full
262	MUHR	Muhlenbergia reverchonii	Rose Muhly	1 GAL. 12" HT. MIN.	2'	Full and Well Formed
7	PESA	Pennisetum setaceum 'Alba'	White Fountain Grass	CONT. ; 18" HT. MIN.	AS SHOWN	Full
9	ROOP	Roemeria officinalis 'Prostratus'	Trailing Rosemary	CONT. ; 6" X 6" MIN.	3'	Full
193	SPAR	Spartina bakeri	Cord Grass	1 GAL. 18" HT. MIN.	AS SHOWN	Full and Well Formed
4	TRAJ	Trachelospermum jasminoides	Confederate Jasmine	1 GAL.	AS SHOWN	Full, Train to Fence
± 28,000 S.F.	SOD	Paspalum vaginatum	Seashore Paspalum	± 28,000 S.F.		

GENERAL PLANTING / IRRIGATION NOTES

1. ALL TREES AND PALMS SHALL BE TAGGED IN THE FIELD AND SELECTED BY THE OWNER'S REPRESENTATIVE LANDSCAPE ARCHITECT. THE TREES AND PALMS SHALL BE FROM A CITY OF FERNANDINA BEACH PRE-QUALIFIED NURSERY OR ACCEPTED ALTERNATE.
2. REQUIREMENTS FOR THE MEASUREMENTS, BRANCHING, GRADING, QUALITY, BALLING AND BURLAPPING OF PLANTS IN THE PLANT LIST SHOULD FOLLOW OR EXCEED THE STANDARDS CURRENTLY RECOMMENDED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. IN THE AMERICAN STANDARD FOR NURSERY STOCKS (ASNS). UNLESS OTHERWISE SPECIFIED, ANY SIZE SPECIFIED SHALL BE CONSIDERED MINIMUM. MINIMUMS FOR HEIGHT, SPREAD, CALIPER, ETC. SHALL TAKE PRECEDENT OVER A SPECIFIED CONTAINER SIZE. (I.E. - IF 7 GALLON IS REQUIRED, TO PROVIDE A SPECIFIED HEIGHT OR SPREAD THAT IS SPECIFIED AS A 3 GALLON, THEN THE 7 GALLON SHALL BE SHALL BE REQUIRED AND INCLUDED IN THE BASE BID AND SHALL NOT BE CONSIDERED A CHANGE ORDER.
3. ALL PLANTS SHALL BE FLORIDA FANCY GRADE AND HAVE A WELL FORMED HEAD WITH MINIMUM CALIPER, HEIGHT AND SPREAD OF THE SIDE BRANCHES AS SHOWN ON THE PLANT LIST. TRUNKS SHALL BE UNDAMAGED AND SHAPE SHALL BE TYPICAL OF THE SPECIES.
4. MEASUREMENT OF CONIFER HEIGHT SHALL INCLUDE NOT MORE THAN FIFTY (50) PER CENT OF THIS YEARS' VERTICAL GROWTH (TOP CANDLE).
5. THE LANDSCAPE CONTRACTOR IS HEREBY NOTIFIED OF THE EXISTENCE OF UNDERGROUND UTILITIES WITHIN THE LIMITS OF THE PROJECT AREA. THE CONTRACTOR SHOULD VERIFY THE EXACT LOCATION OF ALL UTILITY LINES PRIOR TO COMMENCEMENT OF DIGGING OPERATIONS. CONTRACTOR RESPONSIBLE FOR LOCATING, PROTECTING, AND REPAIRING ALL DAMAGE TO BUILDINGS, UTILITIES, PAVEMENT, AND CURB & GUTTER. ANY REPAIRS SHALL BE DONE PROMPTLY AT CONTRACTOR'S EXPENSE.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR STAKING AND LAYOUT OF PLANTINGS ON THIS PROJECT. THE LANDSCAPE ARCHITECT OR OWNER SHALL BE ADVISED WHEN STAKES ARE READY FOR INSPECTION ON VARIOUS PLANTING AREAS. ALL LAYOUT WORK SHALL BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT AND OWNER PRIOR TO OPENING ANY PLANTING PITS.
7. IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO VERIFY THAT EACH EXCAVATED TREE OR SHRUB PIT WILL PERCOLATE (DRAIN) PRIOR TO ADDING TOPSOIL AND INSTALLING TREES OR SHRUBS. THE CONTRACTOR SHALL FILL THE BOTTOM OF HOLES WITH SIX (6) INCHES OF WATER. THIS WATER SHOULD PERCOLATE WITHIN A TWENTY-FOUR (24) HOUR PERIOD. IF WATER DOESN'T PERC, CONTRACTOR SHALL NOTIFY THE OWNER'S REP PRIOR TO INSTALLING PLANTS.
8. SHOULD THE LANDSCAPE CONTRACTOR ENCOUNTER UNSATISFACTORY SURFACE OR SUBSURFACE DRAINAGE CONDITIONS, SOIL DEPTH, LATENT SOILS, HARD PANS, STEAM OR OTHER UTILITY LINES OR OTHER CONDITIONS THAT WILL JEOPARDIZE THE HEALTH AND VIGOR OF THE PLANTS, HE MUST ADVISE THE LANDSCAPE ARCHITECT IN WRITING OF THE CONDITIONS PRIOR TO INSTALLING THE PLANTS. OTHERWISE, THE LANDSCAPE CONTRACTOR WARRANTS THAT THE PLANTING AREAS ARE SUITABLE FOR PROPER GROWTH AND DEVELOPMENT OF THE PLANTS TO BE INSTALLED.
9. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP THE SITE AT THE COMPLETION OF THE PROJECT AND SHALL MAINTAIN THE SITE IN A REASONABLY NEAT AND CLEAN STATE THROUGHOUT THE INSTALLATION PROCESS. STREETS AND PAVED

- AREAS SHALL BE CLEANED REGULARLY TO REMOVE CONSTRUCTION MATERIALS AND OTHER DEBRIS RESULTING FROM WORK OF THE PROJECT.
10. REPLACEMENTS OF DEAD OR UNSATISFACTORY MATERIAL SHALL BE MADE AS SPECIFIED IN THE PLANT LIST. THE OWNER OR LANDSCAPE ARCHITECT SHALL INSPECT REPLACED PLANTS WHEN ALL REPLACEMENTS HAVE BEEN MADE. REPLACEMENTS ARE TO BE ALIVE AND IN A HEALTHY CONDITION WHEN THE REPLACEMENTS ARE COMPLETE. REPLACEMENTS ARE NOT SUBJECT TO AN ADDITIONAL GUARANTEE, BUT THE LANDSCAPE CONTRACTOR SHALL CONSULT WITH THE LANDSCAPE ARCHITECT ON REASON FOR PLANT DECLINE/DEATH AND HOW TO AVOID FUTURE INSTANCES.
11. SHOULD THE CONTRACTOR NOT MAKE REPLACEMENTS IN A SATISFACTORY AND TIMELY FASHION IN ACCORD WITH THE PLANTING NOTES, THE OWNER, AFTER PROPER NOTIFICATION TO THE CONTRACTOR MAY UTILIZE THE FUNDS OF THE RETAINAGE TO HAVE THE REPLACEMENTS MADE IN ACCORDANCE WITH THE SPECIFICATIONS BY ANOTHER CONTRACTOR.
12. NO EXCAVATION OR PLANTING PIT SHALL BE LEFT UNATTENDED OVERNIGHT.
13. PLANT MATERIAL QUANTITIES PROVIDED IN THE PLANT LIST ARE FOR REFERENCE ONLY AND THE CONTRACTOR IS RESPONSIBLE FOR THE ACTUAL PLANT MATERIAL COUNTS. DISCREPANCIES BETWEEN QUANTITIES SHOWN ON THE PLANTING PLAN AND THOSE IN THE PLANT LIST SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR CLARIFICATION. IF CLARIFICATION OF DISCREPANCIES FROM THE LANDSCAPE ARCHITECT IS NOT POSSIBLE, THEN QUANTITIES SHOWN ON THE PLANTING PLAN SHALL TAKE PRECEDENCE.
14. REMOVE BURLAP/STRAPPING AND WIRE BASKET FROM TOP 1/3 OF ROOT BALL ON TREES.
15. REMOVE PAPER, PLASTIC OR METAL AROUND ROOT BALLS OF SHRUBS.
16. DO NOT WRAP TREES.
17. WATER ALL PLANT MATERIAL IMMEDIATELY AFTER PLANTING.
18. TREE GUYING MATERIAL SHALL BE 'ARBOR-TIE' OR EQUIVALENT.
19. ALL PLANT BEDS TO BE MULCHED WITH 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
20. ALL AREAS OF PLANTING, INCLUDING AREAS OF GRASS SEEDING AND SOD, SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE AND SHALL BE PROVIDED APPROPRIATE SOIL FOR THE PROPOSED PLANTINGS. THE LANDSCAPE CONTRACTOR SHALL ADJUST PH AND / OR SOIL FERTILITY BY UNIFORMLY INCORPORATING REQUIRED SOIL CONDITIONING MATERIALS AT THE RATE AND DEPTH DETERMINED BY THE ANALYSIS OF THE SOIL TEST (AS REQUIRED IN 3.02 AND 3.13 OF THE LANDSCAPING SPECIFICATIONS). EACH SOIL TEST SHALL BE SPECIFIC TO THE PROPOSED PLANT MATERIAL TO BE INSTALLED IN A GIVEN AREA.
21. ALL EXISTING VEGETATION WITHIN AREAS TO BE PLANTED / SODDED / SEEDDED SHALL BE REMOVED PRIOR TO PLANTING / SODDING / SEEDING. ALL AREAS INDICATED TO BE GRASS SEED SHALL BE HYDROSEEDDED PER EROSION SEDIMENT CONTROL SPECIFICATIONS FOR PERMANENT STABILIZATION.

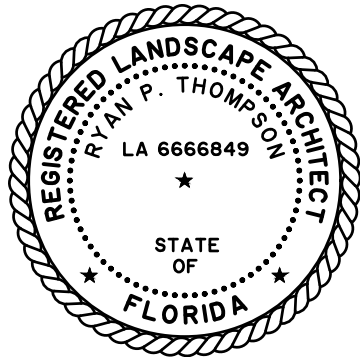
22. CONTRACTOR TO SUPPLY AUTOMATIC IRRIGATION SYSTEMS, COMPLETE AND INSTALLED. SYSTEM TO INCLUDE ALL VALVES, PIPES, HEADS, FITTINGS, RAIN SENSOR, AND CLOCK AND TO PROVIDE 100% COVERAGE OF ALL NEW SODDED AND IMPROVED EXISTING GRASS AREAS, TREES, SHRUBS AND PLANTING BEDS. COORDINATE IRRIGATION WITH OWNER'S REPRESENTATIVE. (CONTRACTOR SHALL PROVIDE A SHOP DRAWING AND SUBMITTALS FOR THE IRRIGATION SYSTEM)
23. WHERE IRRIGATION SYSTEM WILL BE INSTALLED WITH ANY WATER SOURCE OTHER THAN DOMESTIC POTABLE WATER, LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR IRRIGATION WATER TESTING. IRRIGATION WATER SHALL BE TESTED FOR LEVELS OF pH, ALKALINITY AND SOLUBLE SALTS. SUBMIT TEST RESULTS TO OWNER'S REPRESENTATIVE FOR REVIEW PRIOR TO INSTALLATION OR ORDERING OF IRRIGATION EQUIPMENT, PUMPS OR WELL DIGGING.
24. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR AUTOMATIC IRRIGATION SYSTEMS. CONTRACTOR SHALL PROVIDE ELECTRIC METER AND SERVICE IN ACCORDANCE WITH STATE AND LOCAL CODES FOR IRRIGATION SYSTEM. LOCATION OF METERS AND CONTROL PANELS FOR IRRIGATION SHALL BE APPROVED BY OWNER'S REP. PRIOR TO INSTALLATION.
25. ALL TREES SHALL BE INSTALLED PER THE REQUIREMENTS OF THE FERNANDINA BEACH APPLICABLE ORDINANCES.
26. ALL PLANT BEDS TO RECEIVE WEED INHIBITOR OF PREEN OR ACCEPTED ALTERNATE.

27. FOR SUMMERTIME PLANTINGS, CONTRACTOR TO USE EITHER CONTAINERIZED OR PRE-DUG B & B PLANT MATERIAL.
28. AS AN ADD ALTERNATE BID, THE CONTRACTOR SHALL PROVIDE "SOIL MOIST TRANSPLANT" (OR ACCEPTED EQUIVALENT) AT THE APPLICATION RATES SHOWN BELOW FOR ALL NEWLY INSTALLED PLANTINGS.

Container Size/Amount	Caliper Size/Amount
1 Gallon/.75 oz.	1" /3.0 oz.
2 Gallon/1.5 oz.	2" /6.0 oz.
3 Gallon/1.5 oz.	3" /9.0 oz.
5 Gallon/2.0 oz.	4" /12.0 oz.
7 Gallon/3.0 oz.	5" /15.0 oz
10 Gallon/3.0 oz.	6" /18.0 oz
15 Gallon/5.0 oz.	7" /21.0 oz
20 Gallon/7.0 oz.	8" /24.0 oz
Plant Height/Amount	Box Size/Amount
2' /1.5 oz.	16" /5.0 oz.
3' /2.0 oz.	20" /6.0 oz.
4' /3.0 oz.	24" /9.0 oz.
5' /4.0 oz.	30" /12.0 oz.
6' /5.0 oz.	36" /18.0 oz
7' /6.0 oz.	42" /27.0 oz
	60" /30.0 oz.



Know what's below.
Call before you dig.



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www.thomasandhutton.com

GENERAL NOTES & PLANTING SCHEDULE

LOTS C & D
FERNANDINA BEACH WATER
FRONT PARK

PROJECT LOCATION:
FERNANDINA BEACH,
FLORIDA

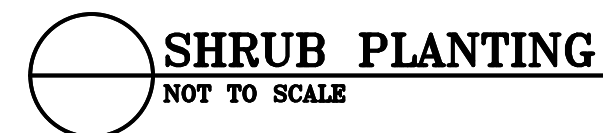
CLIENT/OWNER:
CITY OF FERNANDINA BEACH
204 ASH STREET
FERNANDINA BEACH, FL 32034

DATUM: HORIZ.: FL83-EF VERT.: NAVD-1988

JOB NO: 29401.0002
DATE: 07/01/2024
DRAWN: JAS
DESIGNED: JAS
REVIEWED: JLG
APPROVED: JLG
SCALE:

L5.3

-  **TREE PLANTING**
NOT TO SCALE

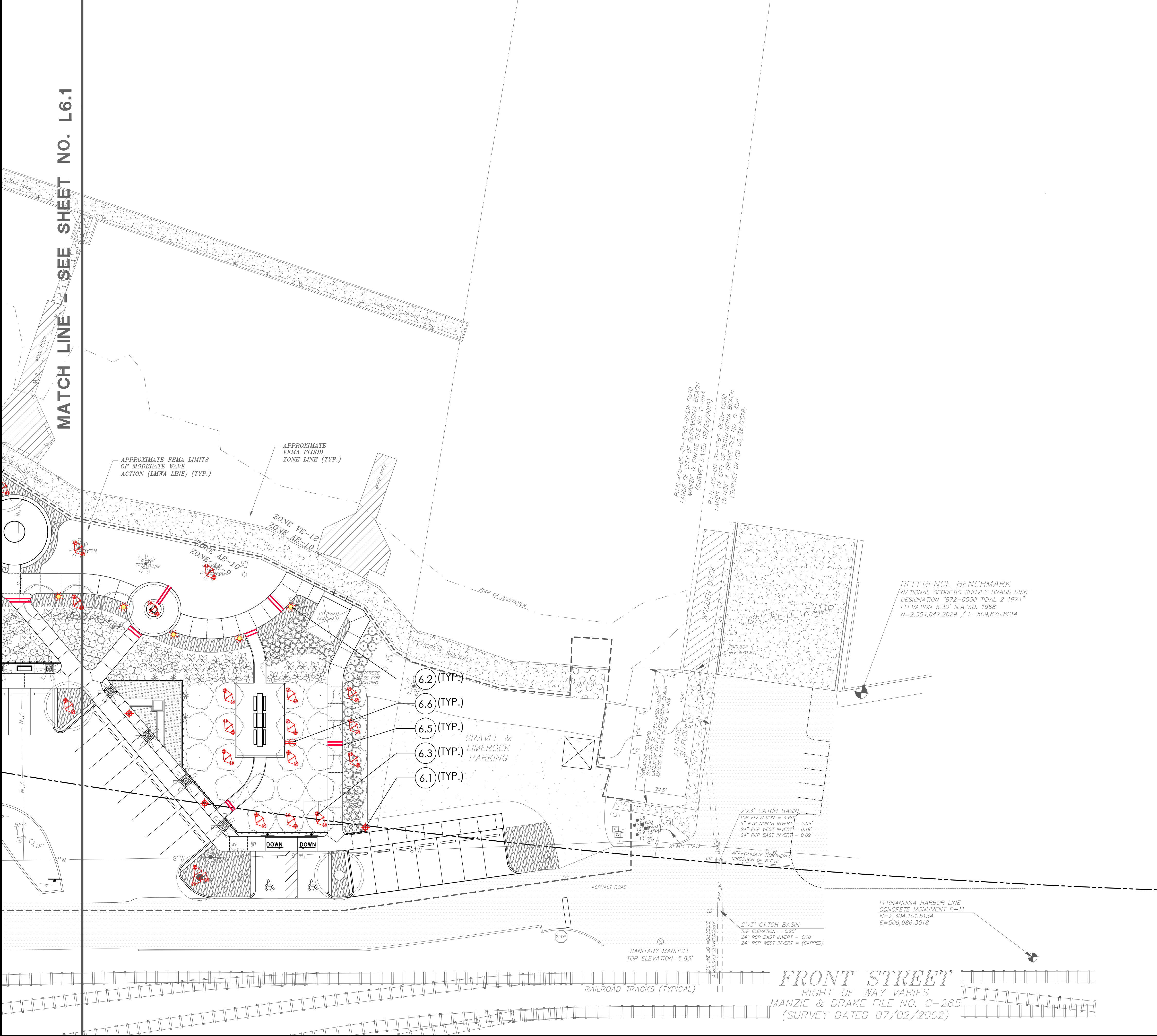


1. THIS PLAN IS CONCEPTUAL IN NATURE AND FOR PRICING. FINAL DESIGN BY OTHERS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SPECIFICATIONS TO THE CITY FOR REVIEW AND ACCEPTANCE.
2. AT A MINIMUM, CONTRACTOR TO PROVIDE LINE ITEMS FOR BUDGETING & PRICING AND/OR RECOMMEND SUBCONTRACTORS AS PART OF THEIR BID PACKAGE.

L6.1

Z:\39401-2940-0003- LANDSCAPE ARCHITECTURE\DRAWINGS\CONSTRUCTION PLANS\2940-0002 - L6.2 - LIGHTING PLANS.DWG - Aug 10, 2024 - 8:44 AM

MATCH LINE - SEE SHEET NO. L6.1



LIGHTING LEGEND

Detail	Symbol
LIGHTING & ELECTRICAL - FINAL DESIGN INCLUDING PHOTOMETRICS BY OTHERS	
6.1	PEDESTRIAN POLE LIGHT TO MATCH CITY STANDARD SHOWN FOR REFERENCE ONLY (QTY - 12)
6.2	BOLLARD LIGHT / PATH LIGHT - 120V HADCO D830 H A0 E (QTY - 20)
6.3	DECORATIVE UP LIGHT - LOW VOLTAGE FX LUMINAIRE, BRONZE FINISH MODEL # NP-9LED-BZ (89) QTY.
6.4	DECORATIVE ARCHITECTURE SCONCES DOWN LIGHT - DE - 9LED - BZ (10)QTY.- TO HIGHLIGHT POSTS.
6.5	4" CONDUIT - WATER AND ELECTRICAL SEPARATED BY 12" HORIZONTAL SPACING (18 PAIRS) QTY.
6.6	OUTDOOR GFCI OUTLET & COVER (10) QTY.
(NOT SHOWN, BUT LIGHTING ON RESTROOMS, PAVILION, & EXISTING STRUCTURES)	

GENERAL LIGHTING NOTES:

- THIS PLAN IS FOR CONCEPTUAL OUTDOOR ELECTRICAL FIXTURE LOCATION ONLY - WIRING DIAGRAM, DETAILS AND INSTALLATION SPECIFICATIONS ARE BY CONTRACTOR. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SPECIFICATIONS TO THE OWNER FOR REVIEW AND ACCEPTANCE. FINAL DESIGN TO BE DONE BY QUALIFIED ELECTRICIAN. ABOVE PLAN IS FOR PRICING AND INITIAL DISCUSSIONS ONLY.
- CONTRACTOR MAY PROVIDE CUT SHEETS FOR APPROVAL BY LANDSCAPE ARCHITECT AND OWNER'S REP OF EQUIVALENT PRODUCTS.
- INSTALLATION OF LIGHTING SHALL COMPLY WITH ALL APPLICABLE STATE, COUNTY, AND CITY CODES AND SHALL MEET OR EXCEED THE NATIONAL ELECTRICAL CODE. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ALL PERMITS AND APPROVALS REQUIRED. SYSTEM INSTALLATION SHALL BE GUARANTEED FOR ONE YEAR, PARTS AND LABOR, DUE TO FAILURE BASED ON FAULTY WORKMANSHIP OR EQUIPMENT FAILURE.
- CONTRACTOR SHALL PROVIDE PHOTOCELL CONTROLLED LIGHTING SYSTEM.
- ALL EQUIPMENT PANELS SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
- SHOULD ELECTRICAL DESIGN BE REQUIRED, CONTRACTOR SHALL PROVIDE ELECTRICAL ENGINEER DESIGN.
- LOCATION OF METERS AND POWER SOURCE BY OTHERS. SEE OWNERS REP FOR FINAL CONNECTION LOCATION.
- CONTRACTOR SHALL PROVIDE OWNER WITH FIXTURE SAMPLES FOR APPROVAL PRIOR TO INSTALLATION.
- CONTRACTOR TO INSTALL LIGHT FIXTURES WITH 3/4-INCH MINIMUM "PIG-TAIL" TO ALLOW FOR MINOR LIGHT RELOCATION/ADJUSTMENTS.
- CONTRACTOR TO DESIGN LIGHTING LOOP CIRCUITS AS NECESSARY TO ENSURE CONSISTENCY OF BULB OUTPUT FROM FIXTURE-TO-FIXTURE REGARDLESS OF LOCATION.
- ELECTRICAL EQUIPMENT PANEL SHALL INCLUDE ALL NECESSARY EQUIPMENT FOR PHOTOCELL SWITCHING CONTACT BOX AND METERING. PANEL AND BOX SHALL MEET ALL APPLICABLE CODES.
- THE INTENT OF THIS PLAN IS TO PROVIDE LOW-LEVEL, UNOBTRUSIVE SITE LIGHT FOR ENTRY AND LIGHTING OF SELECTED SIGNAGE AND PLANT MATERIAL. CONTRACTOR SHALL MAKE EVERY EFFORT TO CREATE THIS EFFECT BY CLOSE COORDINATION WITH WITH OWNERS REPRESENTATIVE AND CAREFUL PLACEMENT OF FIXTURES. FINAL AIMING AND ADJUSTMENT SHALL BE MADE AT NIGHT WITH OWNER'S REPRESENTATIVE PRESENT TO GIVE FINAL APPROVAL.
- CONTRACTOR SHALL SUBMIT LANDSCAPE LIGHTING RECORD DRAWINGS TO OWNER FOR REVIEW AND ACCEPTANCE.

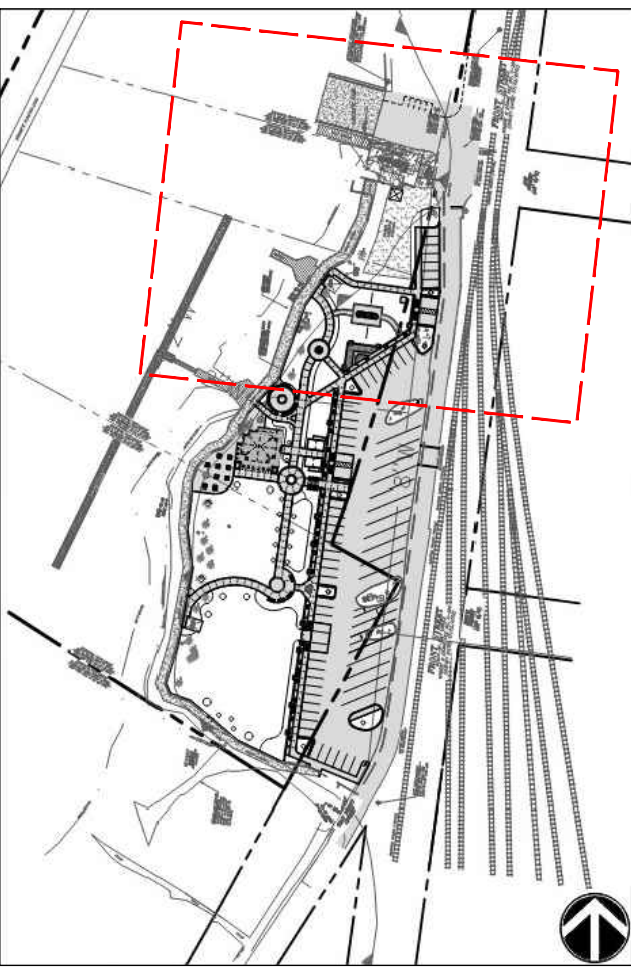
MISCELLANEOUS

Detail	Symbol
FINAL DESIGN BY OTHERS	
OUTDOOR WIFI CAPABILITIES	
A/V (AUDIO VIDEO CAPABILITIES WITH ENCLOSURE) RELATED TO THE PAVILION AND/ OR AROUND THE PARK	
SECURITY SYSTEM / CAMERAS	
EMERGENCY CALL BOX	
MEDICAL FIRST AID / AEDs (SUGGEST LOCATING IN RESTROOMS)	
SIGNAGE & WAYFINDING FOR PARK	

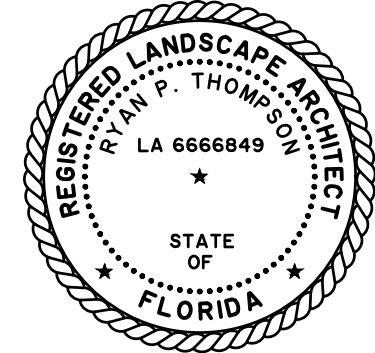
MISCELLANEOUS NOTES:

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KEY MAP



NO.	REVISIONS	BY	DATE



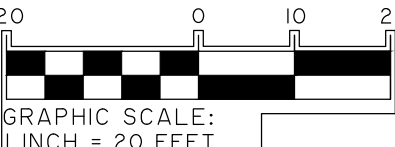
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MEP COORDINATION & CONDUIT PLAN

LOTS C & D
FERNANDINA BEACH WATER
FRONT PARK

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CLIENT/OWNER:
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SCALE: 1" = 20'

L6.2

PERMIT SET - FOR REVIEW PURPOSES ONLY