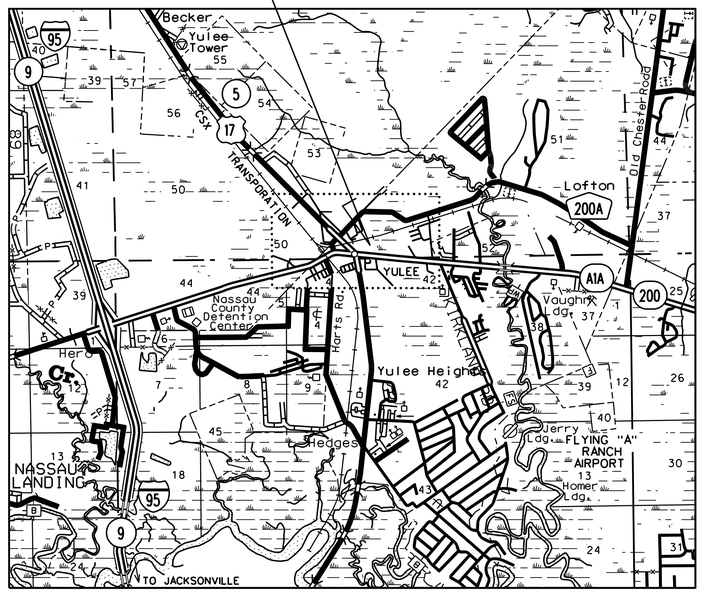
THE SHOPPES AT YULEE

(FORMERLY THE SHOPPES AT MIDTOWN)

SITE LOCATION
PARCEL NUMBER
51-3N-27-0000-0028-0000



Site Location Map

NOTE:
ALL WATER LINES BEHIND METERS
AND ON-SITE SEWER COLLECTION SYSTEM
TO BE PRIVATELY OWNED AND MAINTAINED.

Index of Drawings

Prepared By:

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PLANNING * CONSULTING
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William S. Scott, P.E. 40240

JULY 15, 2021

Developer:

Owner/Applicant
Shops of Yulee, LLC
Elias Zouein
463155 S.R. 200, Ste. 12,
Yulee, FL. 32097

JEA Availability #: 2009-0148

WILLIAM S. SCOTT, PROFESSIONAL ENGINEER,
STATE OF FLORIDA, LICENSE NO.40240

William S Scott Digitally signed by William S Scott Date: 2021.07.20 17:59:40 -04'00'

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Designed By : William S. Scott
Cadd By : ETS
Checked By: William S. Scott
Date: 7/15/21

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THE SHOPPES AT MIDTOWN
COVER SHEET
NASSAU COUNTY, FLORIDA

SHEET NUMBER
C1.0

PROJECT NUMBER
0002

$DATE$ $TIME$ $USERNAME$ $FILE$

GENERAL CONSTRUCTION NOTES

1. ALL EXISTING CONDITIONS SHOWN ON THESE DRAWINGS REFLECT PREVAILING CONDITIONS AT THE TIME OF THE SURVEY. SURVEY WAS CONDUCTED BY CLARSON AND ASSOCIATES.
2. THE REFERENCE BENCH MARK FOR THIS PROJECT IS A FOUND NATIONAL GEODETIC SURVEY BRASS DISC IN A CONCRETE MONUMENT. SAID DISC IS STAMPED AS E 331-1975 AND HAS AN ELEVATION OF 34.99 (NAVD 88). THE MONUMENT IS LOCATED 30 FEET SOUTH OF THE NORTH EAST PROPERTY CORNER.
3. CONSTRUCTION SHALL NOT COMMENCE UNTIL SIGNED AND SEALED DRAWINGS ARE RECEIVED BY THE CONTRACTOR FROM THE ENGINEER SPECIFICALLY MARKED "RELEASED FOR CONSTRUCTION".
4. THESE PLANS ARE SUBJECT TO CHANGE FOR APPROVAL BY THE REVIEW AGENCIES, OWNER AND/OR ARCHITECT. CONTRACTOR SHALL CONSTRUCT PROJECT USING PLANS APPROVED AND RELEASED FOR CONSTRUCTION.
5. LIMITS OF CLEARING AND GRUBBING HAVE BEEN IDENTIFIED ON SHEET C5.0.
6. THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE REQUIRED FOR THE PROJECT.
7. ALL EXISTING UTILITIES & STRUCTURES, BOTH ABOVE AND BELOW GRADE, HAVE BEEN SHOWN ON THESE DRAWINGS INSOFAR AS INFORMATION IS REASONABLY AVAILABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THEIR LOCATION AND PROTECTING ALL UTILITIES & STRUCTURES, WHETHER OR NOT THEY ARE SHOWN ON THESE DRAWINGS. DURING THE DURATION OF THE CONSTRUCTION ANY AND ALL DAMAGE RESULTING FROM THE CONSTRUCTION OPERATION SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
8. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST STANDARDS AND PERMITS SET FORTH BY THE APPLICABLE AGENCIES, FLORIDA DEPT. OF TRANSPORTATION, DEPARTMENT OF ENVIRONMENTAL PROTECTION, ST. JOHNS RIVER WATER MANAGEMENT DISTRICT, JEA AND NASSAU COUNTY.
9. SHOULD A CONFLICT ARISE BETWEEN THE DETAILS SHOWN IN THESE DRAWINGS AND THE STANDARDS OR PERMITS ISSUED BY THE AGENCIES LISTED IN NOTE (5), THE STANDARDS OR PERMITS ISSUED BY THE CONTROLLING AGENCY WILL GOVERN.
10. NO ADDITIONAL COMPENSATION BASED UPON A COMPARISON BETWEEN THE CONTRACTORS ASSUMED QUANTITIES AND FINAL "IN PLACE" QUANTITIES SHALL BE ALLOWED. THE EXCEPTION SHALL BE THE AUTHORIZED CHANGES IN THE SCOPE OF WORK TO BE PERFORMED.
11. ALL DISTURBED AREAS OFF SITE SHALL BE RESTORED AS FOLLOWS: PAVEMENT AND CONCRETE SHALL BE REPLACED MATCHING THE EXISTING. NON-PAVED AREAS SHALL BE SODDED.
12. SEDIMENT AND EROSION CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. AREAS OF OFF-SITE DISCHARGE DURING CONSTRUCTION SHALL BE PROTECTED WITH A SEDIMENT BARRIER PER F.D.O.T. INDEX NO. 102 TO PREVENT OFF-SITE DISCHARGE OF SEDIMENTS. TEMPORARY SEED AND MULCH SHOULD BE USED TO CONTROL ON-SITE EROSION WHEN IT IS NOT PRACTICAL TO ESTABLISH PERMANENT VEGETATION. PERMANENT VEGETATION SHALL BE PLACED AS EARLY AS POSSIBLE ON ALL SLOPES STEEPER THAN 5:1. SOD SHALL BE PINNED AS REQUIRED. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED IN WORKING ORDER THROUGHOUT THE CONSTRUCTION PHASE.
13. DRAINAGE SWALES SHALL BE MAINTAINED IN OPERATING CONDITION AND ALL EROSION DAMAGE SHALL BE REPAIRED AS IT OCCURS.
14. THE CONTRACTOR SHALL IDENTIFY AND PROTECT TREES AND VEGETATION THAT ARE TO REMAIN UNDISTURBED. THE CONSTRUCTION AREA SHALL BE CLEARED AND GRUBBED TO REMOVE ALL ROOTS AND MISCELLANEOUS VEGETATION.
15. THE CONTRACTOR SHALL USE NECESSARY MEANS AND METHODS TO CONTROL SURFACE AND GROUNDWATER DURING CONSTRUCTION, INCLUDING, BUT NOT LIMITED TO, SURFACE GRADING, DE WATERING TRENCHES WITH SUMP PUMPS, WELL POINTING, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ACTUAL AND LIKELY DEPTHS TO GROUNDWATER AND THE WATER CONTROL NECESSARY TO MEET MOISTURE AND DENSITY REQUIREMENTS OF THE SPECIFICATIONS FOR THE NATIVE OR IMPORTED SOILS.
16. ALL SUITABLE MATERIAL EXCAVATED SHALL BE USED AS FILL OVER THE SITE AS NEEDED AND AS APPROVED BY THE ENGINEER. ANY UNSUITABLE MATERIAL AND OTHER DEBRIS RESULTING FROM THE CONSTRUCTION ACTIVITIES SHALL BE DISPOSED OF OFF-SITE IN AN APPROVED AREA AND MANNER BY THE CONTRACTOR.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL/DISPOSAL OF ANY UNSUITABLE MATERIAL FROM HIS OPERATION, FURNISHING AND COMPACTING SUITABLE REPLACEMENT BACK FILL MATERIAL.
18. THE BURNING OF TREES, BRUSH OR OTHER MATERIAL SHALL BE APPROVED BY AND COORDINATED BY THE FIRE MARSHALL.
19. THE CONTRACTOR SHALL VISIT THE WORK SITE AND FAMILIARIZE HIMSELF WITH THE NATURE AND EXTENT OF THE CONTRACT DOCUMENTS, WORK, LOCALITY, AND ALL LOCAL CONDITIONS AND FEDERAL AND STATE LAWS, ORDINANCES, RULES AND REGULATIONS THAT IN ANY MANNER MAY AFFECT COST, PROGRESS OR PERFORMANCE OF THE WORK.
20. THE CONTRACTOR SHALL STUDY, CAREFULLY, ALL PHYSICAL CONDITIONS AT THE SITE, AFFECTING COST, PROGRESS OR PERFORMANCE OF THE WORK WHICH WERE RELIED UPON BY THE ENGINEER IN THE PREPARATION OF THE CONTRACT DOCUMENTS.
21. THE CONTRACTOR SHALL CORRELATE THE RESULTS OF ALL SUCH OBSERVATIONS, EXAMINATIONS AND INVESTIGATIONS WITH THE TERMS OF THE CONTRACT DOCUMENTS.
22. THE CONTRACTOR SHALL CALL TO THE ENGINEER'S ATTENTION, IN WRITING, ANY CONFLICT, ERROR OR DISCREPANCY IN THE CONTRACT DOCUMENTS HE MAY FIND BEFORE PROCEEDING WITH THE WORK AFFECTED THEREBY.
23. THE CONTRACTOR SHALL LOCATE, VERIFY AND IDENTIFY ALL EXISTING UNDERGROUND UTILITIES SHOWN OR NOT SHOWN ON THE PLANS PRIOR TO ANY EXCAVATING ACTIVITIES.
24. THE CONTRACTOR SHALL NOTIFY ALL APPLICABLE UTILITY COMPANIES 48 HOURS PRIOR TO INITIATING AN EXCAVATION WITHIN STREET R/W OR AS SPECIFIED BY THE UTILITY COMPANIES AND THE PERMITS OBTAINED FOR THE WORK.
25. THE CONTRACTOR SHALL COORDINATE WATER AND SEWER SERVICE LOCATIONS AT BUILDINGS WITH PLUMBING PLANS. ALL BUILDING DIMENSIONS SHALL BE BASED UPON THE APPROVED ARCHITECTURAL PLANS.
26. THE CONTRACTOR SHALL NOTIFY THE NASSAU COUNTY ENGINEERING SERVICES DEPARTMENT AT (904) 491-3606 TO SCHEDULE AND CONDUCT A PRE CONSTRUCTION MEETING PRIOR TO BEGINNING CONSTRUCTION.

DEMOLITION NOTES

1. CODES REGULATING DEMOLITION WORK SHALL BE COMPLIED WITH - THE CONTRACTOR SHALL PUT UP AND MAINTAIN SUCH BARRIERS AND WARNING LIGHTS AS MAY BE NECESSARY OR REQUIRED BY CODE TO PROTECT AND PREVENT UNAUTHORIZED PERSONNEL FROM ENTERING THE DEMOLITION WORK AREA. ALL DEMOLITION OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) INSOFAR AS THEY APPLY TO DEMOLITION WORK TO BE PERFORMED UNDER THIS CONTRACT.
2. PROTECTION OF BUILDINGS AND EQUIPMENT - TEMPORARY PROTECTIVE DEVICES AS REQUIRED, SHALL BE INSTALLED ADJACENT TO THE DEMOLITION WORK FOR PROTECTION OF PERSONNEL, EXISTING ADJACENT BUILDINGS, STRUCTURES AND EQUIPMENT AGAINST DUST, FALLING OR FLYING DEBRIS. ANY DAMAGE TO EXISTING STRUCTURES, FACILITIES AND /OR EQUIPMENT RESULTING FROM DEMOLITION WORK SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
3. DISPOSAL OF EXISTING EQUIPMENT AND DEBRIS - ALL DEBRIS AND EXISTING MATERIALS AND EQUIPMENT SHALL BE HAULED AWAY AND DISPOSED OF BY THE CONTRACTOR. THE CONTRACTOR SHALL MAKE HIS OWN ARRANGEMENTS FOR OBTAINING DISPOSAL AREAS. THE CONTRACTOR SHALL TAKE EVERY PRECAUTION TO PREVENT SPILLAGE OF MATERIALS BEING HAULED IN PUBLIC STREETS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IMMEDIATELY CLEAN UP ANY SPILLAGE WHICH MAY ACCIDENTALLY OCCUR.
4. CLEANUP - THE CONTRACTOR SHALL MAINTAIN AN ORDER OF NEATNESS AND GOOD HOUSEKEEPING. TOOLS, SCAFFOLDING AND OTHER DEMOLITION EQUIPMENT MUST BE KEPT IN A NEAT AND ORDERLY ARRANGEMENT AT ALL TIMES. AT THE CONCLUSION OF THE DEMOLITION OPERATIONS THE ENTIRE WORK AREA SHALL BE LEFT IN A CLEAN CONDITION AS REQUIRED FOR SUBSEQUENT NEW WORK.

PAVING AND DRAINAGE NOTES

1. RIGHT-OF-WAY WIDTH AND INTERSECTION RADII (IF APPLICABLE) ARE AS SHOWN ON THE DRAWINGS.
2. DRIVEWAY WIDTH SHALL BE MEASURED FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT. ALL RADII ARE MEASURED TO EDGE OF PAVEMENT.
3. ALL UNDERGROUND UTILITY CONSTRUCTION MUST BE INSTALLED PRIOR TO THE PREPARATION OF THE SUBGRADE FOR PAVEMENT.
4. PAVEMENT SUBGRADE SHALL HAVE ALL UNSUITABLE MATERIAL REMOVED TO A DEPTH OF 2.5' BELOW CENTERLINE GRADE AND 2.5' BEYOND EDGE OF PAVEMENT. BACK FILL THIS AREA WITH SUITABLE MATERIAL.
5. THE CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THE RIGHT-OF-WAY WITH THE PROPER AGENCIES FOR MAINTENANCE OF TRAFFIC, METHOD OF CONSTRUCTION AND REPAIR.
6. THE CONTRACTOR SHALL COORDINATE THE PAVING AND DRAINAGE CONSTRUCTION WITH ALL OTHER SITE AND UTILITY WORK.
7. DRAINAGE PIPE LENGTHS SHOWN ARE MEASURED FROM CENTERLINE OF STRUCTURE TO CENTERLINE OF STRUCTURE.

WATER AND SEWER NOTES

1. ALL WATER AND SEWER CONSTRUCTION SHALL BE ACCOMPLISHED BY AN UNDERGROUND UTILITY CONTRACTOR LICENSED UNDER PROVISIONS OF CHAPTER 489 OF THE FLORIDA STATUTES.
2. ALL WORK PERFORMED WITHIN AN EASEMENT OR PUBLIC RIGHT-OF-WAY REQUIRES A SEPARATE PERMIT ISSUED BY THE CITY ENGINEER.
3. ALL WATER AND SEWER WORK WILL BE PERFORMED IN ACCORDANCE WITH JEA STANDARDS, DETAILS AND SPECIFICATIONS AND/OR AS ALL APPLICABLE STATE AND LOCAL REGULATIONS.
4. WATER AND FORCE MAINS ARE TO BE PRESSURE TESTED AND LEAKAGE TESTED IN ACCORDANCE WITH APPLICABLE AGENCY STANDARDS AND SPECIFICATIONS AND AWWA C-60X.
5. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STRUCTURES AND MATERIALS TO THE OWNER/ENGINEER FOR APPROVAL PRIOR TO FABRICATION AND CONSTRUCTION.
6. MECHANICAL JOINT RESTAINER GLANDS SHALL BE INSTALLED AT ALL BENDS, TEES, VALVES AND WHERE WATER AND FORCE MAINS ARE TERMINATED. CONCRETE THRUST BLOCKS SHALL NOT BE USED.
7. ALL WATER AND SEWER SERVICES, UNCONNECTED, SHALL BE MARKED AS TO LOCATION, WITH A STAKE OR MARKER AS APPROVED BY THE ENGINEER.
8. UNSUITABLE MATERIALS UNDER WATER AND SEWER PIPE OR STRUCTURES SHALL BE REMOVED AND REPLACED WITH SELECT BACK FILL, PROPERLY COMPACTED.
9. CLASS B, TYPE 1 BEDDING SHALL BE USED. BACK FILL SHALL BE PLACED IN 12" LOOSE LIFTS (MAX.), COMPACTED TO A MIN. 95% OF MODIFIED PROCTOR. MAX. DENSITY (WITHIN 5% OF OPTIMUM MOISTURE CONTENT). PROVIDE AT LEAST ONE DENSITY TEST FOR EACH LIFT AND FOR EACH 150LF OF PIPE TRENCH. CONTRACTOR SHALL REFER TO UTILITY AGENCY SPECIFICATIONS FOR THE LATEST REQUIREMENTS FOR DENSITY TESTING.
10. WHERE PARALLEL WATER AND SEWER LINES HAVE LESS THAN 6 FT HORIZONTAL SEPARATION, FULL UN-CUT LENGTHS OF WATER QUALITY PIPE (I.E. DR18, AWWA C-900 SEWER AND DR25 AWWA C-900 WATER) WILL BE USED WITH JOINTS STAGGERED AT 10 FT INTERVALS OR THEY WILL BE PLACED ON A UNDISTURBED SHELF OR IN SEPARATE TRENCH WITH A MIN. VERTICAL SEPARATION OF AT LEAST 6 INCHES AND PREFERABLY 12 INCHES. IT IS PREFERABLE TO HAVE WATER MAINS LOCATED ABOVE THE SEWER WITH 10 FT OF SEPARATION.
11. WHERE IT IS NOT POSSIBLE FOR 6 INCHES OF VERTICAL SEPARATION AT PIPE CROSSINGS, A FULL UN-CUT LENGTH OF PIPE (SEE NOTE 10) USUALLY 20 LF LONG WILL BE CENTERED ON THE POINT OF CROSSING. THE MIN. VERTICAL SEPARATION WILL BE 6 INCHES (O.D. TO O.D.)
12. WHERE SOLVENT CONTAMINATION IS FOUND IN TRENCH, WORK WILL CEASE AND THE PROPER AUTHORITIES NOTIFIED. WITH THE APPROVAL OF THE HEALTH DEPARTMENT, DUCTILE IRON PIPE AND FITTINGS AND APPROVED SOLVENT RESISTANT GASKET MATERIAL SHALL BE USED. THE DUCTILE IRON WILL EXTEND A MIN. OF 100 FT BEYOND ANY CONTAMINATED AREA.
13. THE MAXIMUM DEFLECTION AT ANY JOINT SHALL NOT EXCEED 80% OF THE MAXIMUM RECOMMENDED DEFLECTION FOR THE PIPE FURNISHED.
14. ALL PIPE SHALL BE INSTALLED WITH A MIN. OF 36 INCHES OF COVER MEASURED FROM THE TOP OF THE PIPE TO GROUND SURFACE. EXCEPTIONS TO THIS DEPTH WILL BE ALLOWED TO MEET ADVERSE FIELD CONDITIONS UPON THE APPROVAL OF THE ENGINEER.
15. ALL WATER MAINS SHALL BE DISINFECTED AND BACTERIOLOGICALLY TESTED IN ACCORDANCE WITH LOCAL AND STATE REGULATORY AGENCY REQUIREMENTS AND AWWA C-651.

WATER AND SEWER NOTES CONT.

16. ALL DUCTILE IRON PIPE AND GALVANIZED STEEL PIPE SHALL BE MARKED WITH AN ADHESIVE BACKED UTILITY MARKING TAPE COLORED BLUE FOR WATER AND GREEN FOR SEWER PER JEA STANDARDS.
17. IN THE EVENT OF A BROKEN WATER LINE OR WATER SYSTEM SHUT OFF DURING CONSTRUCTION, THE CONTRACTOR SHALL FOLLOW THE PROVISIONS AS SET FORTH IN FLORIDA STATUTE 386.
18. SANITARY SEWER SERVICES SHALL BE A MIN. OF 6" SDR26 MADE TO CONFORM TO ASTM D3034 PVC WITH A MIN. SLOPE OF 0.006' PER FOOT.
19. SANITARY SEWER PIPES SHALL BE SDR 26 PVC MADE TO CONFORM TO ASTM D3034.
20. AN ON-SITE PRE-CONSTRUCTION CONFERENCE IS REQUIRED AND SHALL BE SCHEDULED WITH THE JEA INSPECTOR.
21. A JEA STANDARD PUMP-OUT (MIN. 4" DIA.) SHALL BE REQUIRED ON FORCE MAIN AND LOCATED ADJACENT TO R/W ON PRIVATE PROPERTY. PUMP-OUT MUST BE ACCESSIBLE BY JEA FORCES FROM ADJACENT STREET R/W
22. WATER AND SEWER CAPACITY FEES SHALL BE REQUIRED AT THE TIME OF METER APPLICATION. FEES WILL BE BASED ON THE TOTAL NUMBER OF PLUMBING FIXTURES UNITS SHOWN OR LISTED ON BUILDING PLANS.
23. THE WATER TAPS DEPICTED ON THIS DESIGN SHALL BE CONSTRUCTED AS FOLLOWS: ALL POTABLE AND IRRIGATION WATER TAPS, FIRE LINE SERVICES AND FIRE HYDRANT INSTALLATIONS SHALL BE PERFORMED BY A LICENSED MASTER PLUMBER OR UTILITY UNDERGROUND UTILITY CONTRACTOR UNDER THE FOLLOWING SPECIAL CONDITIONS.
    1. THE TAPS ARE TO BE SCHEDULED 48 HOURS IN ADVANCE BY CONTACTING YOUR JEA INSPECTOR.
    2. TAPS REQUIRING METER INSTALLATIONS OF 2" AND BELOW MUST INCLUDE THE SERVICE PIPE, METER BOX AND CORP. STOP SIZED READY TO ACCEPT THE METER INSTALLATION BY JEA FORCES.
    3. JEA FORCES WILL INSTALL THE METER UPON APPLICATION AND PAYMENT BY A LICENSED MASTER PLUMBER OR UTILITY CONTRACTOR AT 515 N. LAURA ST., 1ST FLOOR CUSTOMER SERVICE BUILDING.
    4. ALL TAPS REQUIRING METER INSTALLATIONS OF 3" AND ABOVE SHALL TERMINATE SIZED READY FOR VAULT, METER AND BYPASS INSTALLATION BY JEA FORCES.
24. MAXIMUM DISTANCE FROM THE NEAREST FIRE HYDRANT TO THE MOST REMOTE EXTERIOR POINT OF ANY BUILDING SHALL BE 500'. THE DISTANCE SHALL BE MEASURED ON A ROADWAY SURFACE MEETING THE FIRE DEPARTMENT ACCESS REQUIREMENT OF 602.6.
25. ALL COMMERCIAL PROJECTS REQUIRING BOTH METERED AND UNMETERED SERVICES TO EXISTING JEA WATER MAINS SHALL BE PERFORMED BY JEA FORCES. THE TAP SHALL BE APPLIED FOR AND PAID FOR BY A LICENSED MASTER PLUMBER OR UTILITY CONTRACTOR AT 515 N. LAURA ST., 1ST FLOOR CUSTOMER SERVICE BUILDING.
26. THE CONTRACTOR SHALL INSTALL ANY ADDITIONAL AIR RELEASE VALVES AT CHANGES IN ELEVATION OF 2' DUE TO ACTUAL FIELD CONDITIONS OR CONFLICTS NOT IDENTIFIED ON THESE DESIGN PLANS.
27. AUTOMATIC SPRINKLER / FIRE MAIN SERVICES:
    A METERED DETECTOR CHECK BACKFLOW PREVENTER IS REQUIRED ON ALL A.S. SERVICES AND FIRE MAIN CONNECTIONS INSTALLED FOR ONSITE FIRE PROTECTION.
    AT THE TIME OF OR PRIOR TO FINAL PLAN APPROVAL, A DETECTOR CHECK AFFIDAVIT SHALL BE ON FILE WITH JEA AND INCLUDE AN ASSIGNED BUILDING AND ZONING STREET ADDRESS FOR THIS SITE.
    RE-SUBMITTAL SHALL BE REQUIRED IN THE EVENT THAT THE FIRE MARSHALL REVIEW OF BUILDING PLANS REQUIRES A SPRINKLER SYSTEM WHICH WAS NOT INDICATED ON THE CIVIL DESIGN PLANS.
28. A $20.00 TAP APPLICATION FEE IS REQUIRED AND SHALL BE PAID AT 515 N. LAURA ST., 1ST FLOOR CUSTOMER SERVICE CENTER. THIS MUST BE ACCOMPLISHED PRIOR TO CONNECTION TO THE JEA'S SEWER COLLECTION SYSTEM. IN ADDITION, SEWER CAPACITY FEES MUST BE PAID AT THE TIME OF OR PRIOR TO THE TAP FEE AND WILL BE BASED ON THE TOTAL NUMBER OF SEWER FIXTURE UNITS CURRENTLY SERVING THIS SITE AND DISCHARGING TO THE JEA SYSTEM FOR TREATMENT.
29. SHOP DRAWINGS ON ALL BACKFLOW PREVENTORS SHALL BE SUBMITTED TO JEA FOR APPROVAL PRIOR TO INSTALLATION.
30. ALL PIPING SHALL BE NSF CERTIFIED.

AS-BUILT NOTES

1. SEE JEA STANDARDS ; SECTION 501 OCTOBER 2011 EDITION FOR CURRENT AS-BUILT SPECIFICATIONS.

INSPECTION NOTES

1. A PRE-CONSTRUCTION CONFERENCE IS REQUIRED AND SHALL BE SCHEDULED BY CONTACTING CHRIS BARRINGTON, JEA DEVELOPMENT, PHONE # 904-665-4081.
2. ALL TAPS TO BE SCHEDULED 48 HOURS IN ADVANCE BY CONTACTING YOUR JEA INSPECTOR.

ABBREVIATIONS

A.G.	ALLEY GRATE	H.W.	HEAD WALL
@	BASE LINE	H.C.	HIGH CURB
BM	BENCH MARK	INT.	INTERSECTION
BC	BOTTOM OF CURVE	INV.	INVERT
C.B.	CATCH BASIN	I.P.	IRON PIPE
C.I.	CAST IRON	J.W.W.	JACKSONVILLE WATER WORKS
℄	CENTER LINE	LT.	LEFT
C.E.P.	CITY ELECTRIC POLE	M.H.	MANHOLE
CONC.	CONCRETE	N.T.S.	NOT TO SCALE
CONST.	CONSTRUCTION	O.E.	OVERHEAD ELECTRIC
C.M.P.	CORRUGATED METAL PIPE	O.T.	OVERHEAD TELEPHONE
C.M.P.A.	CORRUGATED METAL PIPE ARCH	P.P.M.	PERMANENT REFERENCE MONUMENT
CULV.	CULVERT	P.V.C.	POLYVINYL CHLORIDE
C&G	CURB & GUTTER	R	RADIUS
C	CUT	R	RATE
D.B.I.	DITCH BOTTOM INVERT	R.C.P.	REINFORCED CONCRETE PIPE
D.W.	DRIVEWAY	RT	RIGHT
D.I.	DUCTILE IRON	R/W	RIGHT OF WAY
E.O.P.	EDGE OF PAVEMENT	R.D.	ROOF DRAIN
ELEV.	ELEVATION	S/W	SIDE WALK
ERCP	ELLIPTICAL REINFORCED CONC. PIPE	S.B.T.	SOUTHERN BELL TELEPHONE
EXP. JT.	EXPANSION JOINT	STA	STATION
F	FILL	TC	TOP OF CURVE
F.H.	FIRE HYDRANT	U.G.E.	UNDERGROUND ELECTRIC
FL	FLOW LINE	U.G.T.	UNDERGROUND TELEPHONE
GALV.	GALVANIZED	U.S.C. & G.S.	UNITED STATES COASTAL & GEODETIC SURVEY
G	GAS LINE	V.C.	VITRIFIED CLAY
G.V.	GAS VALVE	WM	WATER METER
HDPE	HIGH DENSITY POLYETHOLINE PIPE	W.V.	WATER VALVE

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Designed By : William S. Scott
Code By : ETS
Checked By: William S. Scott
Date: 7/15/21

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WSS

THE SHOPPES AT MIDTOWN
GENERAL NOTES
NASSAU COUNTY, FLORIDA

SHEET NUMBER
C2.0

PROJECT NUMBER
0002

$DATE$ $TIME$ USERNAME$ FILE$

Development Review General Notes:

1. Engineering Plans approval does not constitute permission to violate any adopted Federal, State, or Local law, code, or ordinance.
2. All work within the public streets and right-of-ways shall conform to Nassau County Land Development Codes (LDC), FDOT Standard Indices, Florida Greenbook, Nassau County Roadway and Drainage Standards, and Nassau County Standard Details as necessary. For any discrepancy between standards, the most stringent shall prevail.
3. Per Nassau County Roadway and Drainage Standards, Ordinance 99-17 Section 6.2.4, site shall be constructed per approved construction drawings. Any substantial deviation shall be concurrently reviewed by Engineer of Record and Nassau County Development Review Committee prior to field changes.
4. A pre-construction meeting with Nassau County Engineering Services Construction Inspector is required. Attendees shall be Nassau County, Engineer of Record, Contractor, Testing firm, Paving firm, and utility companies per Nassau County Ordinance 99-17 Section 7.2.3. Nassau County may cancel pre-construction meeting if attendee list is inadequate. Nassau County Engineering Services can be reached at 904-530-6225.
5. The contractor shall schedule and coordinate all work with the appropriate Nassau County Construction Inspector assigned to the project per Nassau County Ordinance 99-17 Section 7.2.
6. All work shall be performed in a safe manner. All safety rules and guidelines of O.S.H.A. shall be followed. The contractor shall be wholly responsible for any injuries to his employees and any damage to private property or persons during the course of this project.
7. Per Nassau County Roadway and Drainage Standards, Ordinance 99-17 Section 11.8.1, any disturbed areas within Nassau County Right-of-Way shall be sodded.
8. Per Nassau County Roadway and Drainage Standards, Ordinance 99-17 Section 7.4.1, at the time of final inspection, grassing shall be a minimum of seventy percent coverage and fully established and/or sodding to be one hundred percent coverage and stabilized.
9. Engineer of Record approved shop drawings shall be provided to Nassau County Construction Inspector a minimum of one week before beginning structure installation.
10. Parking at mail kiosks is required per Nassau County Roadway and Drainage Standards, Ordinance 99-17 Section 8.4. Mail kiosk locations are subject to USPS Postmaster approval.
11. The developer's contractor is the single responsible party for the proper implementation of an Erosion Protection Sediment Control (EPSC) within each lot or construction site. This includes the responsibility for the actions/inactions of employees, subcontractors, and/or suppliers.
12. Sidewalks to be provided and built in accordance Florida Building Code. All proposed sidewalks shall meet ADA requirements.
13. The Contractor shall comply with current Florida accessibility standards for all work on this project.
14. Per Ordinance 99-17 Section 8.5.1, minimum cover for water lines and force mains under pavement shall 42" and 36" in green areas.
15. All water, sewer, and storm water construction within Nassau County ROW shall be accomplished by an underground utility contractor licensed under the provisions of Chapter 409 of the Florida Statutes.
16. No work shall be permitted between the hours of 7:00 PM - 7:00AM without prior approval from Nassau County Engineering Services.
17. All trees required to be protected shall be flagged for protection prior to clearing.
18. All grading and placement of compacted fill shall be in accordance with the latest Nassau County Specifications.
19. Any damages (sidewalk, curb, asphalt, ditch grading, et cetera) within Public Right-of-Way shall be repaired or replaced in accordance with Nassau County Specifications. Proposed repair method shall be approved by Nassau County Engineering Services.
20. Any asphalt millings from Nassau County ROW shall be delivered to the Road Department Laydown yard located on Gene Lasserre Boulevard or Pea Farm Road. Please contact the Road Department at (904) 530-6175.
21. Per Nassau County Ordinance 99-17 Section 7.4.2 and 7.4.4, as-built drawings shall be submitted to Nassau County before a final inspection can be scheduled. As-builts submittals will be in accordance with Nassau County as-built requirement checklist. As-built drawings shall be certified by required licensed surveyor and approved by Engineer of Record.

ROADWAY AND DRAINAGE STANDARDS NASSAU COUNTY ENGINEERING SERVICES DEPARTMENT	REVISION DATES	DEVELOPMENT REVIEW GENERAL NOTES	NOTE SHEET: 1 DWG: ISSUED: 12/09/2020

Stormwater Drainage Notes:

1. All stormwater drainage facilities within Public Right-of-Way and paved areas, including Nassau County Right-of-Way, turn lanes, residential roadways, drive aisles for multi-family developments, and major drive aisles for commercial developments shall be laser profiled per FDOT Section 430.
2. A builder cannot modify the County's storm water management system including the pipes, inlets, area drains, ditches and related elements typically within the street or within a drainage easement without the prior written approval of the County Engineer or designee.
3. Drainage easements and ditches should remain free of stockpiled soil, sediment, mud, construction materials/waste, et cetera at all times. Positive stormwater flow must be maintained throughout construction.
4. The contractor shall temporarily or permanently stabilize bare soil areas and soil stockpiles when the area is inactive for fourteen days or more or has reached finished grade.
5. Per Ordinance 99-17 Section 11.11.5.4, all gravity flow pipe installations shall have a soil tight joint performance unless specific site factors warrant watertight joint performance.
6. Per Ordinance 99-17 Section 10.6.5.1, immediately install additional Erosion Protection Sediment Control measures if sediment is leaving your site. Failure to contain sediment to your site may result in delayed inspections, notices of violation, citations, fines, penalties, and/or stop work orders.
7. Per 99-17 Section 10.1.2.a-e, stormwater management for a project shall not have adverse effects on adjacent properties, downstream structures, or rights of other landowners.

Paving Notes:

1. Per Nassau County Roadway and Drainage Standards, Ordinance 99-17 Section 12.2 and 12.4, a construction bond and 26-month maintenance bond will be required for all work within Nassau County Right-of-Way.
2. A pre-pave meeting is required prior to any paving operations within Nassau County ROW, residential subdivisions, or multi-family developments.
3. Approved mix designs shall be provided to Nassau County Construction Inspector 48 hours prior to pre-pave meeting or placement of concrete.
4. Contractor is required to have a Certified QC Asphalt Level II Technician during any asphalt operations within Nassau County ROW, residential subdivision, or multi-family developments.
5. All bases shall be primed in accordance with Ordinance 99-17 Section 11.5.2.3, Nassau County Standard Details, and FDOT Standard Specifications.
6. Signage and pavement markings shall be in compliance with Nassau County Standards, Manual on Uniform Traffic Control Devices (MUTCD), and FDOT Standard Plans.
7. Maintenance of Traffic (MOT) shall be in compliance with FDOT Standard Index 600 Series.
8. All work, materials, and testing performed within Nassau County right-of-way and single-family/multi-family developments shall be in accordance with the current revision of Nassau County's Ordinance 99-17 and all current Nassau County Standard Details.
9. Per Ordinance 99-17 Section 11.9.2, all pavement markings within Nassau County ROW shall be lead free thermoplastic meeting Nassau County and FDOT Standard Specification Latest Edition.
10. Removing pavement markings within Nassau County ROW shall be:
    a. Grinding or hydro-blasting on weathered asphalt surfaces.
    b. Hydro-blasting only on new asphalt surfaces.
    c. Paint Blackout is prohibited.
11. Per Ordinance 99-17 Section 8.5.5, any damage to pavement resulting from construction or pavement marking removal withinPublic ROW not planned as part of the project shall be milled and overlaid for entire width of roadway and length of damage plus 50' in each direction.
12. All underground utilities, or appropriate conduit sleeves, that are to be installed under pavement must be installed prior to preparation of the subgrade for pavement.
13. Single Vertical Joints in roadway construction shall be avoided in Nassau County Right-of-Way using Nassau County Standard Detail #26.
14. All drainage structures shall have traffic bearing grates that meet or exceed the rating for the facilities expected traffic.
15. All concrete shall be a minimum of 3000 psi within Public Right-of-Way.

ROADWAY AND DRAINAGE STANDARDS NASSAU COUNTY ENGINEERING SERVICES DEPARTMENT	REVISION DATES	STORMWATER DRAINAGE & PAVING NOTES	NOTE SHEET: 2 DWG: ISSUED: 12/09/2020

NO.	DATE	REVISIONS
6.		
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1.		

Designed By : William S. Scott
Code By : ETS
Checked By: William S. Scott
Date: 7/15/21

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WSS

THE SHOPPES AT MIDTOWN
NC DEVELOPMENT REVIEW GENERAL NOTES/
STORMWATER DRAINAGE & PAVEMENT NOTES
NASSAU COUNTY, FLORIDA

SHEET NUMBER
C2.0A

PROJECT NUMBER
0002

$DATE$ $TIME$ USERNAME $FILE$

PRE-DEVELOPMENT CONDITIONS

DA-1

TOTAL AREA = 50,513sf = 1.16ac.
IMPERVIOUS AREA = 0sf = 0.00ac.
PERVIOUS AREA = 50,513sf = 1.16ac.
HYDROLOGICAL SOIL GROUP = C
D.C.I.A. = 0
CURVE NUMBER = 77
Tc = 42 Min.

DA-2

TOTAL AREA = 185,215sf = 4.25ac.
IMPERVIOUS AREA = 14,689sf = 0.34ac.
PERVIOUS AREA = 170,526sf = 3.91ac.
HYDROLOGICAL SOIL GROUP = C
D.C.I.A. = 0
CURVE NUMBER = 78.66
Tc = 62.4 Min.

DA-3

TOTAL AREA = 31,547sf = 0.72ac.
IMPERVIOUS AREA = 15,982sf = 0.37ac.
PERVIOUS AREA = 15,565sf = 0.35ac.
HYDROLOGICAL SOIL GROUP = C
D.C.I.A. = 0
CURVE NUMBER = 87.64
Tc = 10 Min.

DA-4

TOTAL AREA = 3,326sf = 0.08ac.
IMPERVIOUS AREA = 872sf = 0.02ac.
PERVIOUS AREA = 2,454sf = 0.06ac.
HYDROLOGICAL SOIL GROUP = C
D.C.I.A. = 0
CURVE NUMBER = 82.51
Tc = 14.2 Min.

MAP SHOWING TOPOGRAPHIC SURVEY OF

(LEGAL DESCRIPTION AS FURNISHED TO US)

A PORTION OF SECTION 51, TOWNSHIP 3 NORTH, RANGE 27 EAST, NASSAU COUNTY, FLORIDA, BEING THE SAME AS THOSE LANDS AS DESCRIBED IN OFFICIAL RECORDS BOOK 535, PAGE 673, TOGETHER WITH THOSE LANDS AS DESCRIBED IN OFFICIAL RECORDS BOOK 980, PAGE 835 AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGIN AT THE NORTHWEST CORNER OF PARCEL 3, AS RECORDED IN OFFICIAL RECORDS BOOK 535, PAGE 673; THENCE NORTH 72° 08' 00" EAST, ALONG THE SOUTHERLY RIGHT OF WAY LINE OF SEABOARD COASTLINE RAILROAD (A 120 FOOT RIGHT OF WAY), A DISTANCE OF 584.04 FEET TO THE NORTHEAST CORNER OF THOSE LANDS AS DESCRIBED IN OFFICIAL RECORDS BOOK 980, PAGE 835; THENCE SOUTH 13° 04' 38" WEST, ALONG THE EASTERLY LINE OF SAID LANDS, A DISTANCE OF 674.22 FEET TO A POINT IN THE PRESENT NORTHERLY RIGHT OF WAY LINE OF STATE ROAD NO. 200 (A-1-A) (A VARIABLE WIDTH RIGHT OF WAY); THENCE NORTH 84° 43' 50" WEST, ALONG THE LAST SAID NORTHERLY RIGHT OF WAY LINE, A DISTANCE OF 288.13 FEET; THENCE NORTH 63° 09' 06" WEST, A DISTANCE OF 139.09 FEET TO THE INTERSECTION OF THE PRESENT NORTHERLY RIGHT OF WAY LINE OF STATE ROAD NO. 200, AFOREMENTIONED WITH THE PRESENT NORTHEASTERLY RIGHT OF WAY LINE OF U.S. HIGHWAY NO. 17 (A VARIABLE WIDTH RIGHT OF WAY); THENCE NORTH 36° 26' 49" WEST, ALONG SAID NORTHEASTERLY RIGHT OF WAY LINE OF U.S. HIGHWAY NO. 17, A DISTANCE OF 104.91 FEET; THENCE NORTH 12° 58' 26" EAST, ALONG THE WESTERLY LINE OF THOSE LANDS AS DESCRIBED IN OFFICIAL RECORDS BOOK, 535, PAGE 673, AFOREMENTIONED, A DISTANCE OF 311.83 FEET TO THE NORTHWEST CORNER OF LAST SAID LANDS, AND THE POINT OF BEGINNING.

THE ABOVE DESCRIBED LANDS CONTAIN 6.17 ACRES MORE OR LESS.

$DATE$ $TIME$ USERNAME $FILE$

Designed By : William S. Scott
Cadd By : ETS
Checked By: William S. Scott
Date: 7/15/21

NO.	DATE	REVISIONS
6.		
5.		
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THE SHOPPES AT MIDTOWN PRE-DEVELOPMENT DRAINAGE MAP

NASSAU COUNTY, FLORIDA

SHEET NUMBER
C3.0

PROJECT NUMBER
0002

U.S. HIGHWAY NO. 17
(VARIABLE WIDTH R/W)

STATE ROAD NO. 200/A-1-A
(VARIABLE WIDTH R/W)

SEABOARD COASTLINE RAILROAD (120' R/W)

POINT-OF-BEGINNING

SOUTHERLY R/W LINE

N12°58'26"E 311.83'

N63°09'06"W 139.09'

N26°26'49"W 104.91'

N84°43'50"W 288.13'

S3°04'38"W 674.22'

PROPOSED FDOT R/W

NORTH

GRAPHIC SCALE 30' 0' 30'

POST- DEVELOPMENT CONDITIONS

DRAINAGE AREA 268,199 SF (6.16 AC)
IMPERVIOUS AREA = 182,097 SF (4.18 AC)
PERVIOUS AREA = 86,102 SF (1.98 AC)
HYDROLOGICAL SOIL GROUP = C
D.C.I.A. = 0
COMPOSITE CN = 92.18
Tc = 10 MINUTES

DA-1
TOTAL AREA = 18,683sf = 0.43ac.
IMPERVIOUS AREA = 17,130sf = 0.39ac.
PERVIOUS AREA = 1,553sf = 0.04ac.

DA-2
TOTAL AREA = 11,780sf = 0.27ac.
IMPERVIOUS AREA = 10,772sf = 0.25ac.
PERVIOUS AREA = 1,008sf = 0.02ac.

DA-3
TOTAL AREA = 11,851sf = 0.27ac.
IMPERVIOUS AREA = 10,452sf = 0.24ac.
PERVIOUS AREA = 1,399sf = 0.03ac.

DA-4
TOTAL AREA = 70,926sf = 0.27ac.
IMPERVIOUS AREA = 27,390sf = 0.63ac.
PERVIOUS AREA = 43,537sf = 0.999ac.

DA-5
TOTAL AREA = 9,974sf = 0.23ac.
IMPERVIOUS AREA = 5,604sf = 0.13ac.
PERVIOUS AREA = 3,859sf = 0.09ac.

DA-6
TOTAL AREA = 8,938sf = 0.21ac.
IMPERVIOUS AREA = 8,640sf = 0.20ac.
PERVIOUS AREA = 298sf = 0.006ac.

DA-7
TOTAL AREA = 10,100sf = 0.23ac.
IMPERVIOUS AREA = 7,699sf = 0.18ac.
PERVIOUS AREA = 2,401sf = 0.06ac.

DA-8
TOTAL AREA = 15,927sf = 0.37ac.
IMPERVIOUS AREA = 1,986sf = 0.05ac.
PERVIOUS AREA = 13,941sf = 0.32ac.

DA-9
TOTAL AREA = 12,945sf = 0.30ac.
IMPERVIOUS AREA = 11,965sf = 0.27ac.
PERVIOUS AREA = 980sf = 0.02ac.

DA-10
TOTAL AREA = 6,689sf = 0.15ac.
IMPERVIOUS AREA = 6,336sf = 0.15ac.
PERVIOUS AREA = 353sf = 0.008ac.

DA-11
TOTAL AREA = 22,618sf = 0.52ac.
IMPERVIOUS AREA = 19,401sf = 0.45ac.
PERVIOUS AREA = 3,217sf = 0.07ac.

DA-12
TOTAL AREA = 18,889sf = 0.43ac.
IMPERVIOUS AREA = 16,609sf = 0.38ac.
PERVIOUS AREA = 2,280sf = 0.05ac.

DA-13
TOTAL AREA = 7,616sf = 0.17ac.
IMPERVIOUS AREA = 6,223sf = 0.14ac.
PERVIOUS AREA = 1,393sf = 0.03ac.

DA-14
TOTAL AREA = 12,629sf = 0.29ac.
IMPERVIOUS AREA = 8,002sf = 0.18ac.
PERVIOUS AREA = 4,627sf = 0.11ac.

DA-15
TOTAL AREA = 12,121sf = 0.28ac.
IMPERVIOUS AREA = 6,171sf = 0.14ac.
PERVIOUS AREA = 5,950sf = 0.14ac.

REFERENCE BENCH MARK:
FOUND NATIONAL GEODETIC SURVEY BRASS DISC IN CONCRETE
STAMPED E 331-1975.
EL 34.99 (NAVD 88)

NO.	DATE	REVISIONS
6.		
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Designed By : William S. Scott
Code By : ETS
Checked By: William S. Scott
Date: 7/15/21

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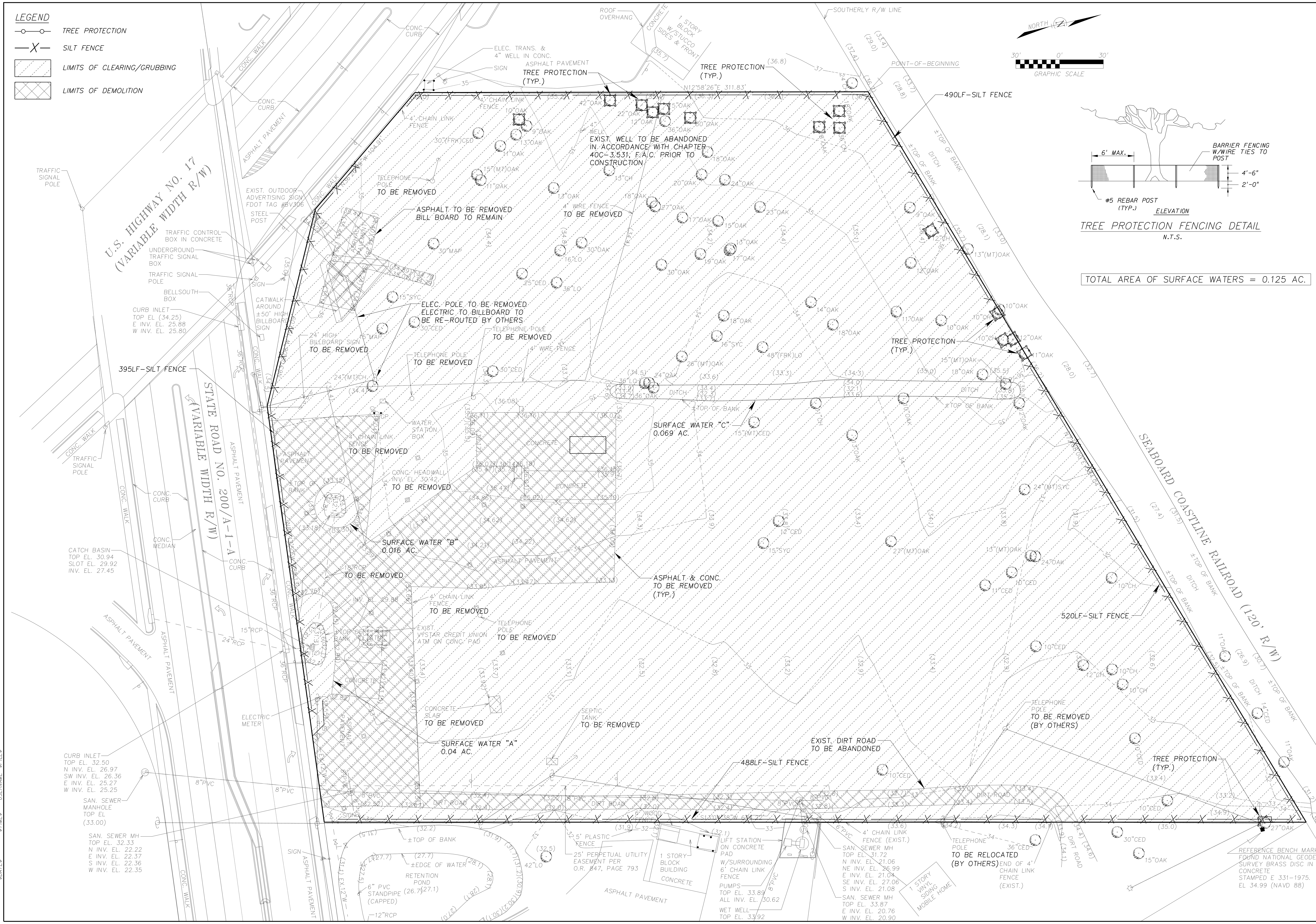
THE SHOPPES AT MIDTOWN
POST-DEVELOPMENT DRAINAGE MAP
NASSAU COUNTY, FLORIDA

SHEET NUMBER
C4.0

PROJECT NUMBER
0002

$DATE$ $TIME$ USERNAME $FILE$


LEGEND
TREE PROTECTION
SILT FENCE
LIMITS OF CLEARING/GRUBBING
LIMITS OF DEMOLITION
U.S. HIGHWAY NO. 17 (VARIABLE WIDTH R/W)
STATE ROAD NO. 200/A-1-A (VARIABLE WIDTH R/W)
SEABOARD COASTLINE RAILROAD (120' R/W)
SOUTHERLY R/W LINE
POINT-OF-BEGINNING
GRAPHIC SCALE
TREE PROTECTION (TYP.)
490LF-SILT FENCE
395LF-SILT FENCE
520LF-SILT FENCE
488LF-SILT FENCE
EXIST. WELL TO BE ABANDONED IN ACCORDANCE WITH CHAPTER 40C-3.531, F.A.C. PRIOR TO CONSTRUCTION
TELEPHONE POLE TO BE REMOVED
ASPHALT TO BE REMOVED BILL BOARD TO REMAIN
4" WIRE FENCE TO BE REMOVED
ELEC. POLE TO BE REMOVED ELECTRIC TO BILLBOARD TO BE RE-ROUTED BY OTHERS
24" HIGH BILLBOARD SIGN TO BE REMOVED
SURFACE WATER "C" 0.069 AC.
SURFACE WATER "B" 0.016 AC.
SURFACE WATER "A" 0.04 AC.
ASPHALT & CONC. TO BE REMOVED (TYP.)
4" CHAIN LINK FENCE TO BE REMOVED
EXIST. VYSTAR CREDIT UNION ATM ON CONC. PAD
CONCRETE SLAB TO BE REMOVED
SEPTIC TANK TO BE REMOVED
EXIST. DIRT ROAD TO BE ABANDONED
TELEPHONE POLE TO BE REMOVED (BY OTHERS)
TELEPHONE POLE TO BE RELOCATED (BY OTHERS)
25' PERPETUAL UTILITY EASEMENT PER O.R. 847, PAGE 793
LIFT STATION ON CONCRETE PAD W/SURROUNDING 6' CHAIN LINK FENCE
REFERENCE BENCH MARK: FOUND NATIONAL GEODETIC SURVEY BRASS DISC IN CONCRETE STAMPED E 331-1975. EL 34.99 (NAVD 88)
BARRIER FENCING W/WIRE TIES TO POST
6' MAX.
4'-6"
2'-0"
#5 REBAR POST (TYP.)
ELEVATION
TREE PROTECTION FENCING DETAIL
N.T.S.
TOTAL AREA OF SURFACE WATERS = 0.125 AC.

NO.	DATE	REVISIONS
6.		
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1.		

Designed By: William S. Scott
Cadd By: ETS
Checked By: William S. Scott
Date: 7/15/21

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THE SHOPPES AT MIDTOWN SITE CLEARING & EROSION CONTROL PLAN
NASSAU COUNTY, FLORIDA

SHEET NUMBER
C5.0

PROJECT NUMBER
0002

NOTE:
ALL SIDEWALK & CONCRETE APRONS ARE NOT TO EXCEED 2% CROSS SLOPE

ADVERTISING SIGNAGE NOTES:

1. ALL SIGNAGE SHALL COMPLY WITH THE REQUIREMENTS OF THE A1A OVERLAY DISTRICT.
2. ALL SIGNAGE SHALL COMPLY WITH ARTICLE 35 OF THE NASSAU COUNTY LAND DEVELOPMENT CODE.

CONCURRENCY NOTE:

1. PHASE II APPROVAL IS PENDING CONCURRENCY FOR AN ADDITIONAL 56,358SF OF BUILDING.

PARKING REQUIREMENTS:

COMMERCIAL = 47,650sf
1 SPACE/300sf = 159 SPACES REQUIRED
TOTAL SPACES PROVIDED = 239
TOTAL ADA SPACES REQUIRED = 10
TOTAL ADA SPACES PROVIDED = 12

PROJECT SITE:

PROJECT AREA = 251,859 SF (5.78 AC)* ZONED CI
IMPERVIOUS AREA = 171,664 SF (3.94 AC)**
PERVIOUS AREA = 80,155 SF (1.84 AC)***
PERCENTAGE IMPERVIOUS = 68.2%
PERCENT OF LOT COVERAGE = 18.9%
(BUILDINGS ONLY)

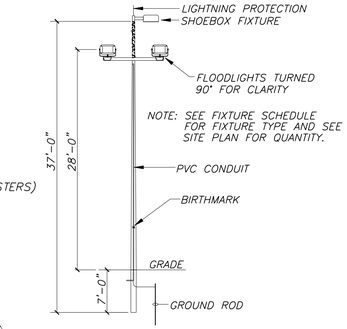
NOTES:
* AS MEASURED TO THE FDOT R-O-W
** INCLUDES PARKING LOT, SIDEWALKS, DUMPSTER PADS CURBING AND ALL BUILDINGS
*** INCLUDES ALL LANDSCAPED AREAS AND THE DRY RETENTION POND THAT WILL BE SODDED

THERE ARE NO WETLANDS ON THIS SITE.

EXISTING SITE (PREVIOUSLY CONSTRUCTED)

NORTH

30' 0' 30'
GRAPHIC SCALE



LIGHT POLE WITH FIXTURES
N.T.S.

LEGEND
DOUBLE HEADED LIGHT FIXTURE
SINGLE HEAD LIGHT FIXTURE

NO.	DATE	REVISIONS
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4.		
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Coded By : ETS
Checked By: William S. Scott
Date: 7/15/21

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THE SHOPPES AT MIDTOWN
SITE GEOMETRY PLAN
NASSAU COUNTY, FLORIDA

SHEET NUMBER
C6.0

PROJECT NUMBER
0002

DRAINAGE PIPE TABLE

PIPE NO.	LENGTH	SIZE	MATERIAL	UP STREAM	DOWN STREAM
P-1	108'	30"	RCP	30.21	29.13
P-2	69'	18"	RCP	31.06	30.95
P-3	180'	18"	RCP	31.32	31.06
P-4	72'	15"	RCP	31.46	31.32
P-5	97'	15"	RCP	32.06	31.46
P-6	76'	15"	RCP	32.56	31.46
P-7	50'	15"	RCP	32.76	31.46
P-8	58'	24"	RCP	30.65	30.21
P-9	123'	15"	RCP	32.36	31.66
P-10	63'	15"	RCP	32.56	32.36
P-11	194'	15"	RCP	30.85	30.65
P-12	120'	18"	RCP	31.03	30.85
P-13	128'	15"	RCP	31.27	31.03
P-14	125'	15"	RCP	31.51	31.27
P-15	146'	15"	RCP	32.26	31.51
P-16	120'	15"	RCP	27.73	27.45
P-17	193'	15"	RCP	28.17	27.73
P-18	193'	15"	RCP	28.61	28.17
P-19	64'	15"	RCP	28.76	28.61
P-20	41'	6"	PVC	34.50	32.56
P-21	56'	6"	PVC	34.50	31.03

DRAINAGE STRUCTURE TABLE

STR. NO.	TYPE	TOP
S-1	MANHOLE	35.50
S-2	"E" INLET	34.90
S-3	"E" INLET	34.70
S-4	MANHOLE	35.40
S-5	"C" INLET	34.50
S-6	"C" INLET	35.00
S-7	"C" INLET	34.96
S-8	"E" INLET	34.10
S-9	"C" INLET	34.80
S-10	"C" INLET	35.00
S-11	"E" INLET	34.10
S-12	"E" INLET	34.80
S-13	"C" INLET	34.82
S-14	CURB INLET	35.20
S-15	"C" INLET	34.70
S-16	MANHOLE	35.45
S-17	MANHOLE	35.59
S-18	MANHOLE	35.60
S-19	CTRL. STR.	35.00
S-20	M.E.S.	___
S-21	M.E.S.	___
S-22	M.E.S.	___
S-23	M.E.S.	___
S-24	MANHOLE	33.00

EXISTING SITE (PREVIOUSLY CONSTRUCTED)

NO.	DATE	REVISIONS
6.		
5.		
4.		
3.		
2.		
1.		

Designed By : William S. Scott
Code By : ETS
Checked By: William S. Scott
Date: 7/15/21

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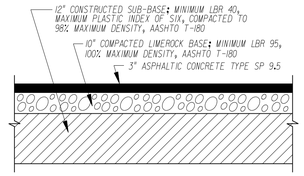
THE SHOPPES AT MIDTOWN
GRADING & DRAINAGE PLAN
NASSAU COUNTY, FLORIDA

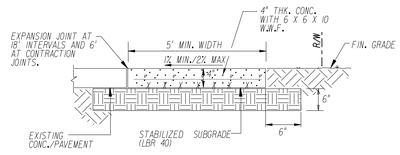
SHEET NUMBER
C7.0

PROJECT NUMBER
0002



ASPHALT PAVEMENT SECTION AT A-1-A & U.S. 17 DRIVEWAYS

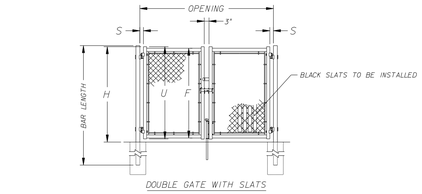
N.T.S.



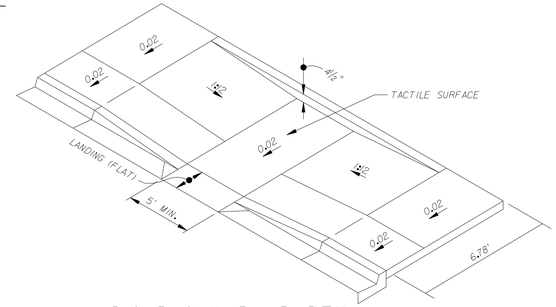
NOTE: WHERE THE SIDEWALK IS ADJACENT TO PAVEMENT, THE SIDEWALK SHALL ABUT THE PAVEMENT AND BE AT THE SAME ELEVATION.

SIDEWALK CROSS-SECTION

N.T.S.

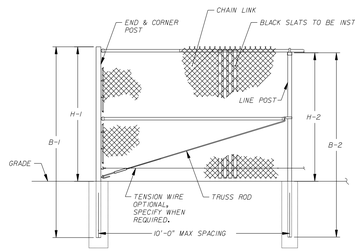


DOUBLE GATE WITH SLATS



HANDICAP CUT RAMP DETAIL

N.T.S.



FENCE SECTION WITH SLATS

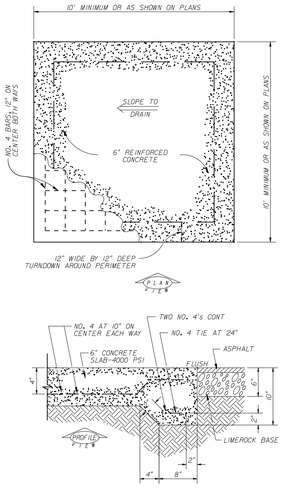
SINGLE OR DOUBLE LEAF GATES		
OPENING	GATE POSTS	HINGE SPACE (S)
FACE TO FACE	SQ & RND SIZES	POST TO UPRIGHT
6'-0" THROUGH 24'-0"	3" SQ OR 4" OD	FOR SQUARE & ROUND GATE POSTS 2¼"

SINGLE OR DOUBLE LEAF GATES			
NOM HEIGHT (H)	UPRIGHT HT (U)	FRAME HT (F)	APPLICATION
WITHOUT BARBED WIRE	ACTUAL DIM	ACTUAL DIM	
6'-0"	5'-10"	5'-8½"	DUMPSTER SCREENING
4'-0"	3'-10"	3'-8½"	RETENTION POND

FENCE HEIGHT	END & CORNER POSTS		LINE POSTS	
NOMINAL HEIGHT	B-1 BAR LENGTH	H-1 HEIGHT ABOVE GRADE	B-2 BAR LENGTH	H-2 HEIGHT ABOVE GRADE
6'-0"	9'-0"	6'-0⅞"	8'-8"	5'-8⅞"

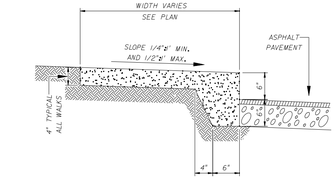
FENCE DETAILS

N.T.S.



CONCRETE DUMPSTER PAD DETAIL

N.T.S.



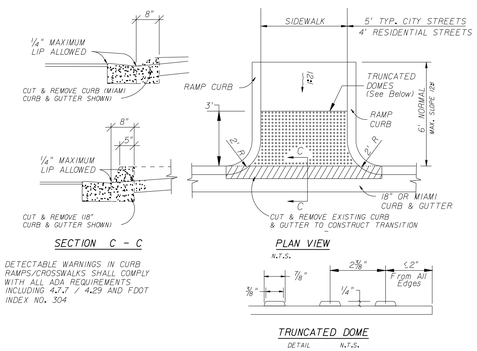
PARKING LOT TYPICAL ASPHALT PAVEMENT SECTION

N.T.S.

CONSTRUCT ALL WALKS WITH 3,000 PSI CONCRETE

CONCRETE WALK ABUTTING ASPHALT PAVEMENT DETAIL

N.T.S.



DETECTABLE WARNINGS IN CURB RAMPS/CROSSWALKS SHALL COMPLY WITH ALL ADA REQUIREMENTS INCLUDING 4.7.7 / 4.29 AND FDOT INDEX NO. 304

CURB CUT RAMP DETAIL

N.T.S.

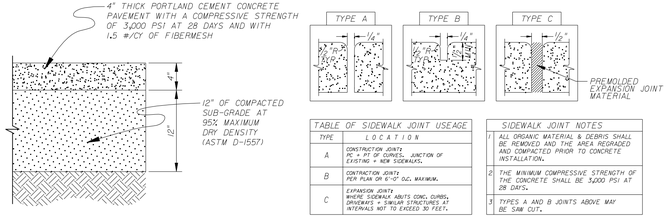
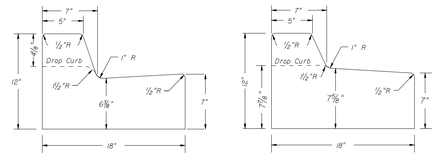


TABLE OF SIDEWALK JOINT USEAGE	
TYPE	LOCATION
A	CONSTRUCTION JOINTS PC & PT OF CURVES, JUNCTION OF EXISTING & NEW SIDEWALKS.
B	CONTRACTION JOINTS PER PLAN OR 6'-0" O.C. MAXIMUM.
C	EXPANSION JOINTS WHERE SIDEWALK ABUTS CONC. CURBS, DRIVEWAYS & SIMILAR STRUCTURES AT INTERVALS NOT TO EXCEED 30 FEET.

SIDEWALK JOINT NOTES	
1	ALL ORGANIC MATERIAL & DEBRIS SHALL BE REMOVED AND THE AREA REGRADED AND COMPACTED PRIOR TO CONCRETE INSTALLATION.
2	THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE SHALL BE 3,000 PSI AT 28 DAYS.
3	TYPES A AND B JOINTS ABOVE MAY BE SAW CUT.

CONCRETE SIDEWALK DETAIL

N.T.S.



18" CURB AND GUTTER

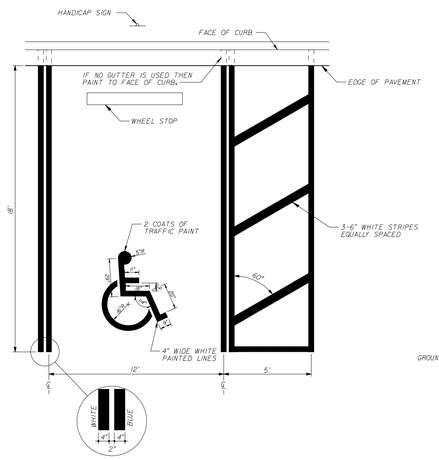
MEDIAN CURB

CONCRETE QUANTITES

18" CURB AND GUTTER	J038889	CU. YD./LIN. FT.
MEDIAN CURB	J041111	CU. YD./LIN. FT.

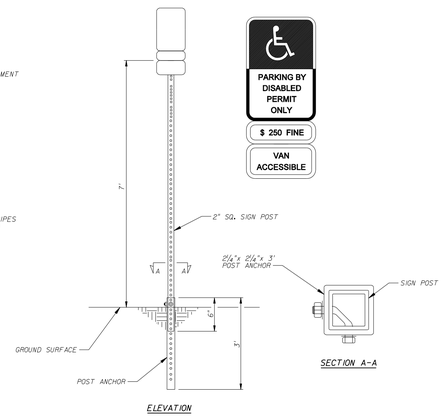
18" CURB AND GUTTER TEMPLATES

N.T.S.



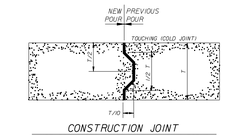
HANDICAP PARKING DETAIL

N.T.S.



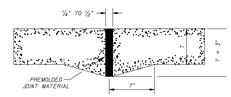
SIGN INSTALLATION

N.T.S.



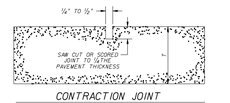
CONSTRUCTION JOINT

USE PREMOLDED PLASTIC KEYED JOINT FORMS ON ALL PAVEMENT CROWNS AND SWALES. JOINT FORMS SHALL BE SET TO LINE AND GRADE TO SERVE AS A SCREED GUIDE.



EXPANSION JOINT

PROVIDE AS SHOWN ON DRAWINGS AND WHERE PAVEMENT ABUTS CURBS, BLDGS., WALKS AND ALL STRUCTURES. MAX SPACING 60 FEET.



CONTRACTION JOINT

MAXIMUM DISTANCE BETWEEN JOINTS 12' PARALLEL AND PERPENDICULAR TO PAVEMENT CENTERINGS.

CONCRETE PAVEMENT JOINT DETAILS

N.T.S.

NO.	DATE	REVISIONS	Designed By: William S. Scott
6.			Cadd By: ETS
5.			
4.			Checked By: William S. Scott
3.			
2.			Date: 7/15/21
1.			

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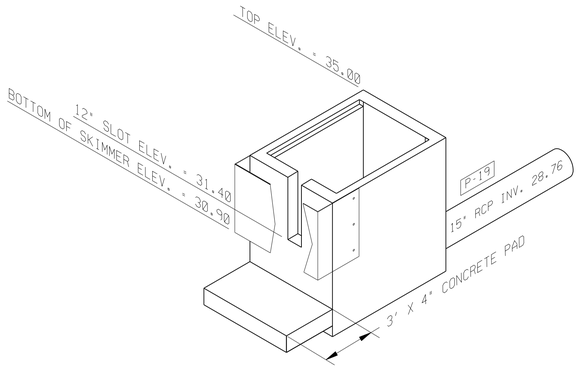
WSS

THE SHOPPES AT MIDTOWN
PAVING DETAILS
NASSAU COUNTY, FLORIDA

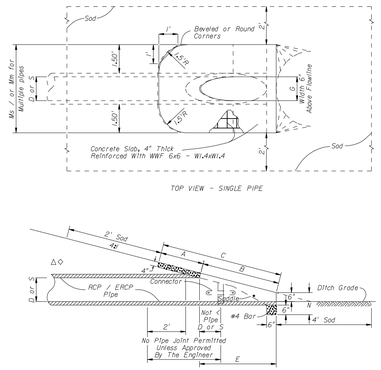
SHEET NUMBER
C8.0

PROJECT NUMBER
0002

$DATE$ $TIME$ USERNAME $FILES



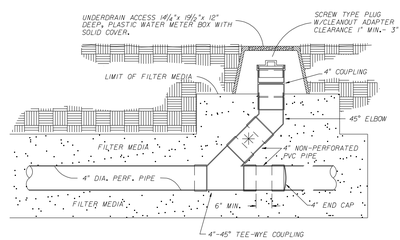
CONTROL STRUCTURE (S-19)
USE A "C" BOX W/ GRATE
N.T.S.



* Slope:
4:1 Miter To ℄ Of Pipe For Pipes 18" & Smaller
2:1 Miter For Pipes 24" & Larger, For RCP.

4:1 Miter To Major Axis For Pipes 24"x 38" & Smaller.
2:1 Miter For Pipes 29"x 45" & Larger, For ERCP.

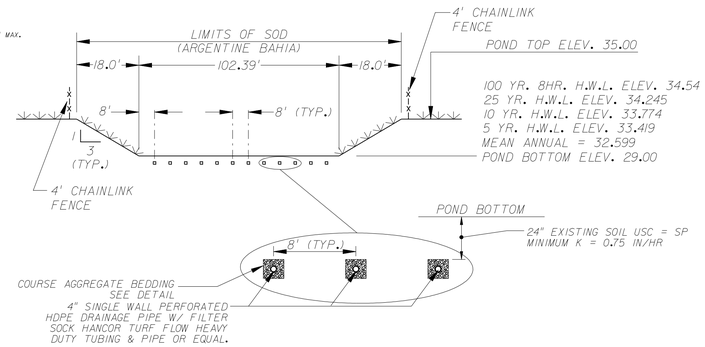
MITERED END SECTION DETAIL
N.T.S.



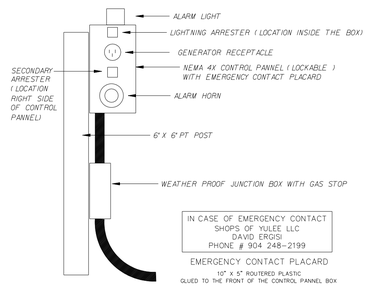
NOTES: ALL PIPE AND FITTINGS TO MEET ASTM F758-82 SPECIFICATIONS.
300' MAXIMUM DISTANCE BETWEEN CLEANOUTS

✳ COUPLING PIPE LENGTH TO BE FIELD ADJUSTED.

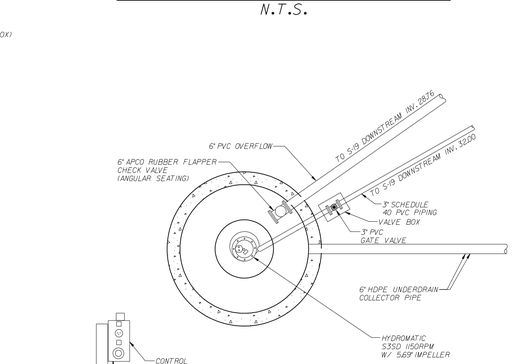
UNDERDRAIN CLEANOUT DETAIL
N.T.S.

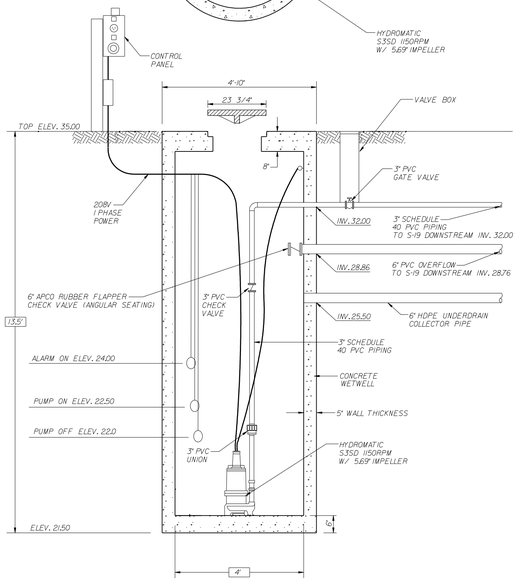


DRY RETENTION POND CROSS SECTION "A-A"
N.T.S.

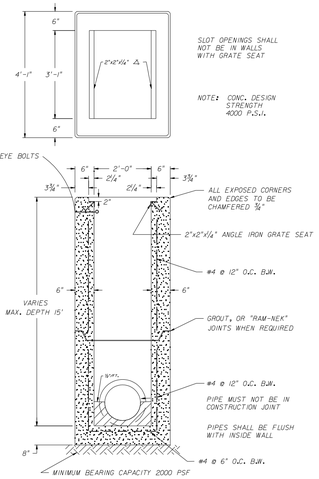


CONTROL PANEL DETAIL
N.T.S.

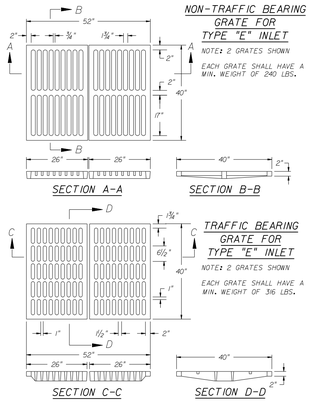




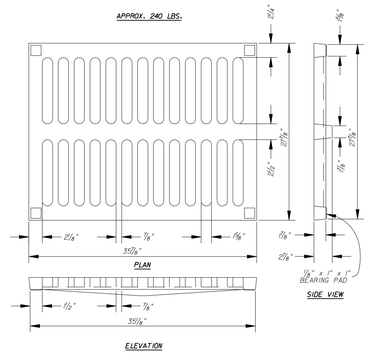
STORMWATER PUMP STATION
N.T.S.



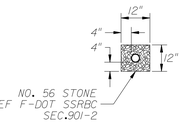
STORM SEWER TYPE "C" INLET
N.T.S.



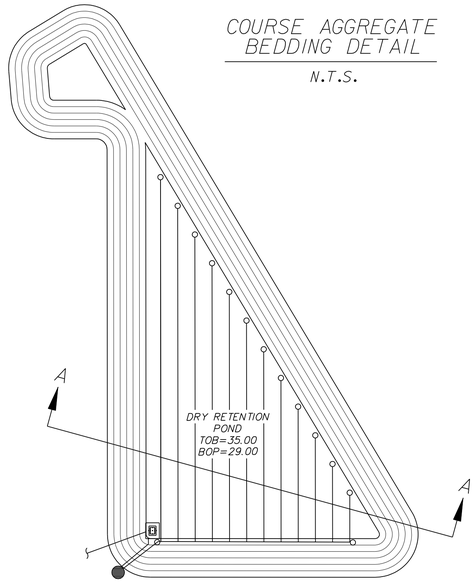
GRATE DETAIL FOR
TYPE "E" INLET
N.T.S.



GRATE DETAIL FOR
TYPE "C" INLET
N.T.S.



COURSE AGGREGATE
BEDDING DETAIL
N.T.S.



DRY RETENTION
POND DETAIL
N.T.S.

NO.	DATE	REVISIONS
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5.		
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Designed By : William S. Scott
Cadd By : ETS
Checked By: William S. Scott
Date: 7/15/21

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WSS

THE SHOPPES AT MIDTOWN
DRAINAGE DETAILS
NASSAU COUNTY, FLORIDA

SHEET NUMBER
C9.0

PROJECT NUMBER
0002

$DATE$ $TIME$ USERNAME $FILE$

Notes:
1. All Sanitary Sewer joints within 100' of a well shall be mechanically restrained.
2. All Water Pipe 4" and larger shall be Ductile Iron Pipe with Nitrile (NBR) Gaskets.
3. 2" Water Pipes and smaller shall be Galvanized Pipe.
4. All water meter components excluding the meter box will be supplied by the JEA. The meter box must be supplied by the contractor.

EXISTING SITE (PREVIOUSLY CONSTRUCTED)

NORTH ARROW

30' 0' 30'
GRAPHIC SCALE

SANITARY SEWER PIPE TABLE

PIPE NO.	LENGTH	SIZE	MATERIAL	UP STREAM	DOWN STREAM
SS-1	191'	8"	PVC	26.24	24.82
SS-2	224'	8"	PVC	28.06	26.27
SS-3	49'	6"	PVC	28.58	28.09
SS-4	26'	4"	PVC	28.84	28.52
SS-5	78'	6"	PVC	29.36	28.58
SS-7	79'	8"	PVC	26.90	26.27
SS-8	5'	4"	PVC	26.98	26.93
SS-9	24'	4"	PVC	27.22	26.98
SS-10	78'	6"	PVC	27.71	26.93
SS-11	25'	4"	PVC	27.42	27.17
SS-12	160'	6"	PVC	26.11	21.06
SS-13	8'	4"	PVC	24.36	24.28
SS-16 (EX.)	302'	8"	PVC	22.22	21.08

SANITARY STRUCTURE TABLE

STR. NO.	TYPE	TOP
MH-1 (EX.)	TYPE "A" MANHOLE	34.00
* MH-2 (EX.)	TYPE "A" MANHOLE	34.95
MH-3	TYPE "A" MANHOLE	34.55
MH-5	TYPE "A" MANHOLE	35.65
MH-6	TYPE "A" MANHOLE	35.90

* MH-2 REQUIRES NEW HOLE CORED TO ACCOMODATE SS-1

NO.	DATE	REVISIONS
6.		
5.		
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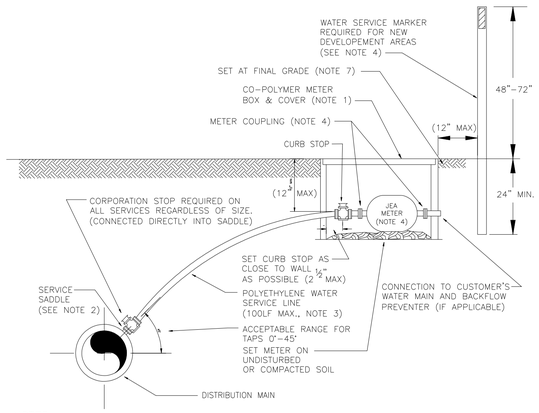
THE SHOPPES AT MIDTOWN
UTILITY PLAN
NASSAU COUNTY, FLORIDA

SHEET NUMBER
C10.0

PROJECT NUMBER
0002

$DATE$ $TIME$ $USERNAME$ $FILE$

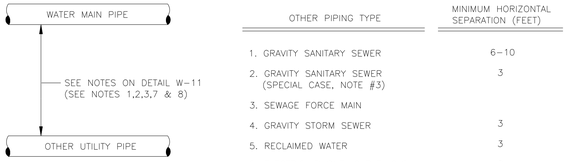


NOTES:

1. SEE PLATE W-1 FOR METER LOCATION REQUIREMENTS.
2. SINGLE BAND SADDLES MAYBE UTILIZED ON NEW 1" WATER SERVICES WHICH ARE INSTALLED ON A DRY 10" SIZE OR SMALLER WATER MAIN (NEW WATER MAIN CONSTRUCTION). FOR WET TAPS OR WATER MAINS 12" SIZE AND LARGER, A DOUBLE BAND SADDLE IS REQUIRED. BRASS SADDLES MAY BE UTILIZED ON NEW 1 INCH AND SMALLER WATER SERVICES WHICH ARE INSTALLED ON A DRY 10 INCH OR SMALLER PVC WATER MAIN.
3. NO OPEN CUT UNDER ROADWAY PAVING ALLOWED UNLESS THE ROADWAY IS BEING RECONSTRUCTED OR IF DIRECTED OTHERWISE BY J.E.A. CONSTRUCT POLY LINE WITH 24" (MIN.) COVER UNDER ROADWAYS. THE POLY WATER SERVICE LINE SHALL BE INSTALLED PERPENDICULAR TO THE MAIN AND NOT EXCEED 100LF UNLESS APPROVED OTHERWISE BY JEA.
4. INSTALL PVC PLUG IN ALL CURB STOPS IF WATER SERVICE IS "NOT IN USE" (I.E.: IF NO METER IS INSTALLED). WATER SERVICES SERVING VACANT LOTS (SERVICE NOT IN USE), SHALL INCLUDE A "W" CUT INTO THE CURB (CLOSEST TO THE METER BOX), AND PAINTED BLUE (PAINTED PURPLE FOR RECLAIMED WATER). IN ADDITION, FOR NEW DEVELOPMENT AREAS WHERE THE WATER SERVICE IS "NOT IN USE", A LANDSCAPE TIMBER OR 2x2 MIN. P.T. POST (TOP PAINTED BLUE OR PURPLE FOR RECLAIMED WATER) OR AN ELECTRONIC LOCATE BALL MARKER (4" DIA BALL) SHALL BE INSTALLED TO MARK THE LOCATION OF THE METER BOX. THE REMOVAL OR TRANSFER OF A WATER SERVICE SHALL INCLUDE BRASS METER COUPLINGS (HEX ON BARREL TYPE).
5. No 2" AND SMALLER WATER SERVICE TAPS PERMITTED ON WATER MAINS WHICH ARE 20" AND LARGER SIZE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF THE METER OR ELECTRONIC DEVICES IF DAMAGED BY THE CONTRACTOR DURING THE CONSTRUCTION PERIOD.
7. METER BOX AND TOP SHALL BE CLEAR OF ALL DEBRIS TO ALLOW FULL ACCESS TO BOX (i.e. NO DIRT, TRASH OR OTHER DEBRIS PLACED ON TOP OF BOX).

WATER SERVICE DETAIL
2" AND SMALLER METER

4/06 PLATE W-2

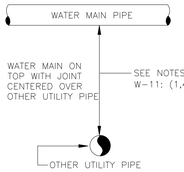


PLAN VIEW

OTHER PIPING TYPE	MINIMUM HORIZONTAL SEPARATION (FEET)
1. GRAVITY SANITARY SEWER	6-10
2. GRAVITY SANITARY SEWER (SPECIAL CASE, NOTE #3)	3
3. SEWAGE FORCE MAIN	
4. GRAVITY STORM SEWER	3
5. RECLAIMED WATER	3
6. ELECTRIC, PHONE, CABLE, GAS	2

NOTE:
THE PLANTING OF HARDWOOD TREES WITHIN 36 INCHES HORIZONTAL CLEARANCE OF THE MAIN SHALL BE PROHIBITED.

MINIMUM HORIZONTAL SEPARATION REQUIREMENTS



SECTION VIEW

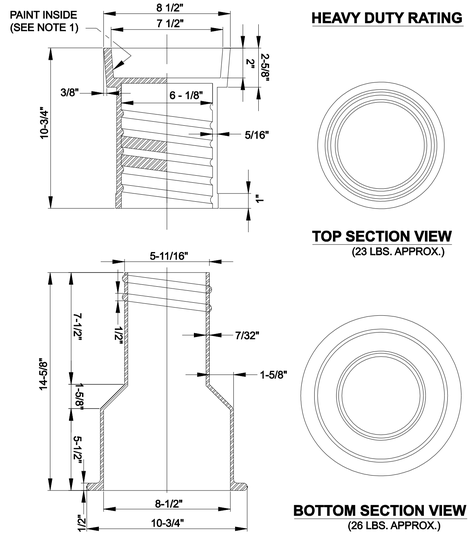
OTHER PIPING TYPE	MINIMUM VERTICAL SEPARATION (INCHES)
1. GRAVITY SANITARY SEWER	6-12
2. SEWAGE FORCE MAIN	
3. GRAVITY STORM SEWER	
4. RECLAIMED WATER	12
5. ELECTRIC, PHONE, CABLE, GAS	6

NOTE:
IF THE WATER MAIN IS BELOW THE SEWER PIPE, THAN A MINIMUM OF 12" VERTICAL SEPARATION IS REQUIRED.

MINIMUM VERTICAL SEPARATION REQUIREMENTS

MINIMUM SEPARATION REQUIREMENTS FOR WATER MAINS

4/06 PLATE W-10

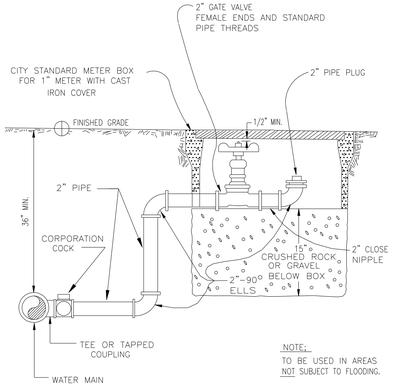


NOTES:

1. PAINT THE INSIDE OF THE TOP SECTION OF THE BOX WITH APPLICABLE COLOR (BLUE OR PURPLE)
2. HEAVY DUTY RATING (TOTAL WEIGHT APPROX. 50 LBS.)

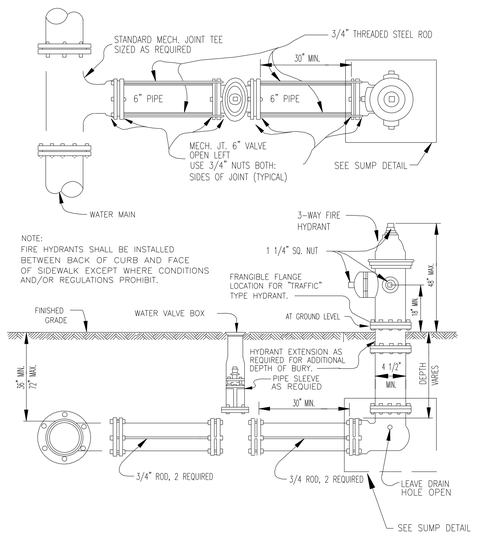
WATER SYSTEM
VALVE BOX

PLATE W-17



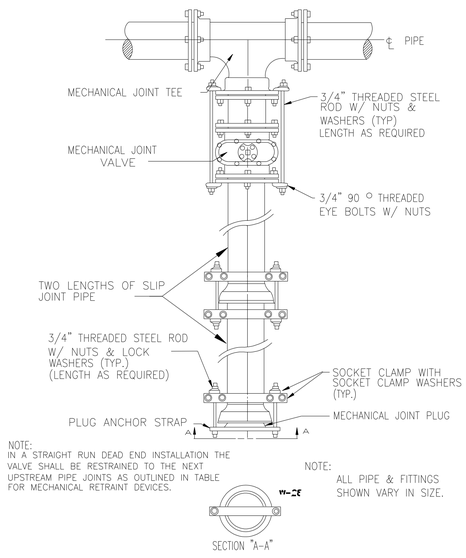
BELOW GRADE
FLUSHING HYDRANT

PLATE W-28



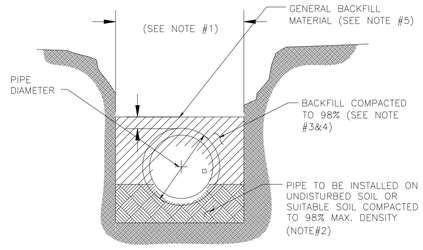
HYDRANT INSTALLATION WITH TIE RODS USING MECHANICAL JOINT FITTINGS

PLATE W-13



PLUGGED DEAD END USING MECHANICAL RESTRAINTS

PLATE W-37



TYPICAL TRENCH

NOTES

1. TRENCH SIDES SHALL BE APPROXIMATELY VERTICAL BETWEEN AN ELEVATION OF 1 FOOT ABOVE THE TOP OF THE PIPE AND THE CENTER LINE OF THE PIPE; OTHERWISE, TRENCH SIDES SHALL BE AS VERTICAL AS POSSIBLE OR AS REQUIRED BY OSHA STANDARDS. REFER TO THE MEASUREMENT AND PAYMENT SECTION (SECTION #801, PARAGRAPH #4)) TO DETERMINE MAXIMUM PAYLINE WIDTHS.
2. BELL HOLE SHALL BE DUG TO PERMIT THE ENTIRE STRAIGHT BARREL OF THE PIPE TO REST ON THE UNDISTURBED TRENCH BOTTOM. BOULDERS OR LOOSE ROCKS LARGER THAN 3/4 INCH IN SIZE WILL NOT BE PERMITTED IN BACKFILL UP TO 1 FOOT ABOVE THE TOP OF THE PIPE.
3. BACK FILL MATERIAL UP TO A LEVEL OF 1 FOOT OVER THE PIPE SHALL CONSIST OF AASHTO CLASS A-3 SOIL (SUITABLE SOIL) AND SHALL EXCLUDE CLAY MATERIALS AND LOOSE ROCKS LARGER THAN 3/4 INCH SIZE.
4. BACKFILL MATERIAL UP TO A LEVEL 1 FOOT OVER THE TOP OF PIPE OR BOTTOM OF STRUCTURES SHALL BE PLACED IN 6 INCH COMPACTED THICKNESS LAYERS AND SHALL BE COMPACTED TO 98% OF IT'S MAXIMUM DENSITY AS DETERMINED BY THE LABORATORY MODIFIED PROCTOR TEST, ASTM D1557.
5. SEE " EXCAVATION AND EARTHWORK", SECTION 408 FOR ADDITIONAL REQUIREMENTS INCLUDING REMOVAL AND REPLACEMENT OF UNSUITABLE SOILS, DEWATERING, COMPACTION REQUIREMENTS AND DENSITY TESTING OF COMPACTED SOILS.

OPEN-CUT TRENCH FOR PRESSURE PIPE

1/05 PLATE W-42

NO.	DATE	REVISIONS
6.		
5.		
4.		
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Designed By: William S. Scott
Code By: ETS
Checked By: William S. Scott
Date: 7/15/21

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THE SHOPPES AT MIDTOWN
UTILITY DETAILS
NASSAU COUNTY, FLORIDA

SHEET NUMBER
C11.0

PROJECT NUMBER
0002

$DATE$ $TIME$ $USERNAME$ $FILE$

DUCTILE IRON PIPE RESTRAINT JOINT SCHEDULE

LENGTH (L) TO BE RESTRAINED (SEE PLATE Nos. 38C & 38D FOR ADDITIONAL DETAILS)

NOMINAL PIPE SIZE (IN.)	HORIZONTAL BENDS 90° BENDS L(FT.)	45° BENDS L.(FT.)	22.5° BENDS L.(FT.)	11.25° BENDS L.(FT.)	VERTICAL OFFSETS 45° BENDS (SEE NOTE 4) LU(FT.)	Li(FT.)	VALVES OR DEADENDS L(FT.)
4	18	6	4	2	12	2	30
6	22	10	5	2	17	3	40
8	30	13	6	3	22	4	50
10	35	14	7	4	26	5	64
12	42	16	8	4	31	6	75
14	46	20	9	5	35	7	85
16	53	22	11	5	40	8	95
18	57	24	12	6	44	9	105
20	62	26	13	6	48	10	110
24	64	27	14	6	50	11	111
30	73	30	15	7	57	13	137
36	85	34	18	8	66	17	159
42	93	38	20	9	75	20	176
48	102	43	22	10	82	22	198

REDUCERS SIZE	L (FT)
6X4	20
8X6	20
8X4	40
10X8	20
10X6	40
12X10	20
12X8	40
16X12	40
16X10	57
20X18	20
20X16	40
20X12	73
24X20	40
24X18	50
24X16	60
30X24	50
30X20	76
36X30	50
36X24	88
42X36	40
42X30	88
48X42	40
48X36	88

TEES (NOTE 5) RUN SIZE	BRANCH SIZE	L (FT)
4"	4"	F.O.
6"	6"	6
	4"< LESS	F.O.
8"	8"	18
	6"< LESS	F.O.
10"	10"	27
	8"	8
	6"< LESS	F.O.
12"	12"	38
	10"	20
	8"< LESS	F.O.
16"	16"	60
	12"	20
	10"< LESS	F.O.
20"	20"	78
	16"	40
	12"< LESS	F.O.
24"	24"	76
	20"	53
	16"	20
	12"< LESS	F.O.
30"	30"	99
	24"	60
	20"	37
	16"< LESS	F.O.
36"	36"	118
	30"	88
	24"	52
	20"	20
	16"< LESS	F.O.
42"	42"	138
	36"	110
	30"	78
	24"	37
	20"< LESS	F.O.
48"	48"	154
	42"	132
	36"	99
	30"	59
	24"< LESS	F.O.

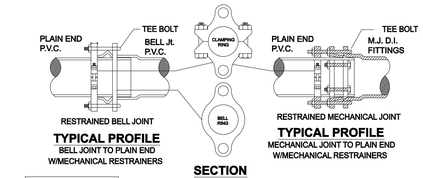
F.O. = FITTING ONLY

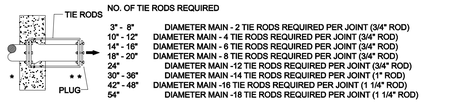
D.I.P. PIPE RESTRAINT NOTES:

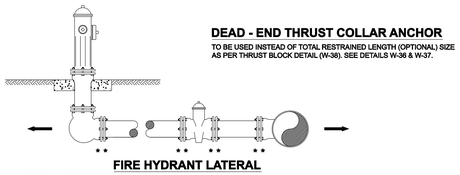
1. THIS SCHEDULE SHALL BE UTILIZED ON ALL WATER, SEWER FORCE MAIN OR RECLAIMED WATER SYSTEMS. ALL FITTINGS SHALL BE RESTRAINED TO LENGHTS INDICATED ON THE ABOVE SCHEDULE, AT A MINIMUM.
2. ASSUMPTIONS: DUCTILE IRON PIPE (WITHOUT POLY WRAP), SAFETY FACTOR=1.5, TEST PRESSURE=150PSI, SOIL=GM OR SM, TRENCH TYPE 3, DEPTH OF COVER=30 INCHES FOR 20" AND SMALLER PIPE SIZE OR 36 INCHES FOR 24" AND LARGER PIPE SIZE. FOR D.I.P. W/POLY WRAP, USE RESTRAINT JOINT SCHEDULE FOR PVC PIPE.
3. BENDS AND VALVES: SHALL BE RESTRAINED ON EACH SIDE OF FITTING.
4. VERTICAL OFFSETS: ARE APPROX. 3 FEET COVER ON TOP AND APPROX. 8 FEET COVER ON BOTTOM. PER THE DETAILS, Lu IS THE RESTRAINED LENGTH FOR THE UPPER (TOP) LEVEL. Li IS THE RESTRAINED LENGTH FOR THE LOWER (DEEPER) LEVEL. ASSUME 45 DEGREE BENDS.
5. TEES: TOTAL LENGTH BETWEEN FIRST JOINTS OR RESTRAINED LENGTH ON EITHER SIDE OF TEE (RUN) SHALL BE A TOTAL DISTANCE OF 30 FEET (MIN). SEE SCHEDULE ABOVE FOR RESTRAINT LENGTH ON TEE "BRANCH" LINE.
6. HDPE TO D.I.P. TRANSITIONS: THE D.I.P. PIPE SIDE SHALL BE RESTRAINED 35 FT (MIN).

D.I.P. RESTRAINT JOINT SCHEDULE

PLATE W-31b



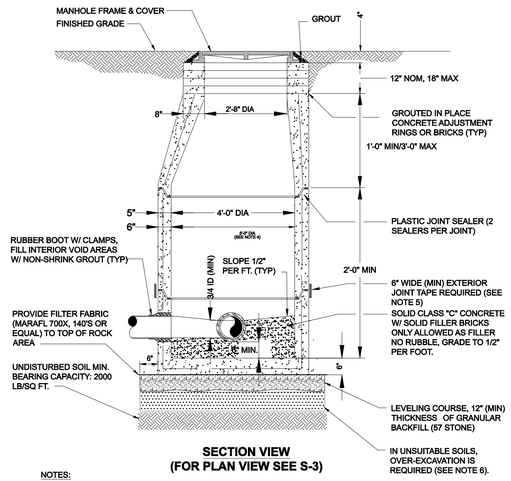




GENERAL NOTE
1. PAY ITEM * * * DENOTES A RESTRAINT WHICH IS PAID FOR ON A PER EACH BASIS.
2. PAY ITEM * ** * DENOTES A RESTRAINT WHICH IS INCLUDED IN THE UNIT PRICE BID FOR FITTING OR VALVE.
3. ⟶ INDICATES DIRECTION OF THRUST FORCE.

MECHANICAL RESTRAINT DETAILS - I

PLATE W-31c

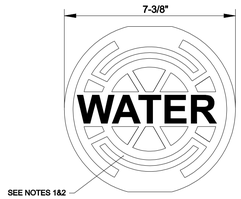


SECTION VIEW (FOR PLAN VIEW SEE S-3)

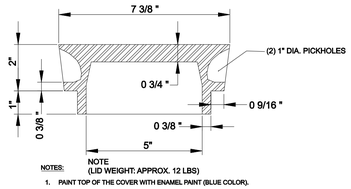
NOTES:
1. PRECAST MANHOLE SECTIONS TO BE MANUFACTURED IN ACCORDANCE WITH THE LATEST EDITIONS OF A.S.T.M. C-478 WITH 4000 LB. CONC., TYPE II CEMENT. ALL LIFTING HOLES AND OUTSIDE INSERTS SHALL BE FILLED WITH NON-SHRINK GROUT AND COATED WITH BITUMINOUS WATERPROOFING MATERIAL.
2. THE INTERIOR AND EXTERIOR OF MANHOLE AND ADJUSTING RINGS SHALL BE GIVEN TWO COATS OF BITUMINOUS WATERPROOFING MATERIAL.
3. IF SPECIALTY LINER IS TO BE INSTALLED ON INSIDE SURFACE OF MANHOLE, THE BITUMINOUS WATERPROOFING MATERIAL SHALL BE OMITTED ON THE INSIDE.
4. JUNCTION MANHOLE (CLOSEST TO WETWELL) SHALL BE 5' DIA WITH SPECIALTY LINER.
5. ALL MANHOLE JOINTS BELOW THE TOP COVER SECTION SHALL INCLUDE A 6" WIDE (MIN) EXTERIOR JOINT TAPE (WITH PRIMER). TAPE ON THE CONE SECTION IS OPTIONAL. SEE PLATE S-17.
6. IN SILTS, CLAY OR HIGHLY ORGANIC SOILS (FINE-GRAINED SOILS INCLUDING SOIL GROUPS ML, CL, OL, MH, CH, OH AND PT) THE SOILS SHALL BE OVER-EXCAVATED AN ADDITIONAL 24" (AT A MIN.) AND BACKFILLED WITH AASHTO CLASS A-3 SOIL (COMPACTED TO 98%, ASTM D1557) OR OVER-EXCAVATE AN ADDITIONAL 12" (AT A MIN.) AND BACKFILL WITH GRANULAR BACKFILL (57 STONE).

SANITARY SEWER TYPE "A" MANHOLE 8"-21" SEWERS

PLATE S-2



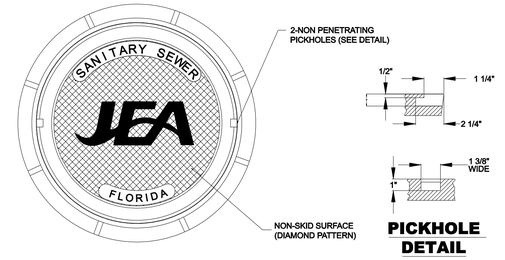
HEAVY DUTY RATING



NOTES:
NOTE (LID WEIGHT: APPROX. 12 LBS)
1. PAINT TOP OF THE COVER WITH ENAMEL PAINT (BLUE COLOR).
2. FOR "RECLAIMED WATER" PAINT TOP PANTONE PURPLE.

WATER SYSTEM VALVE BOX COVER

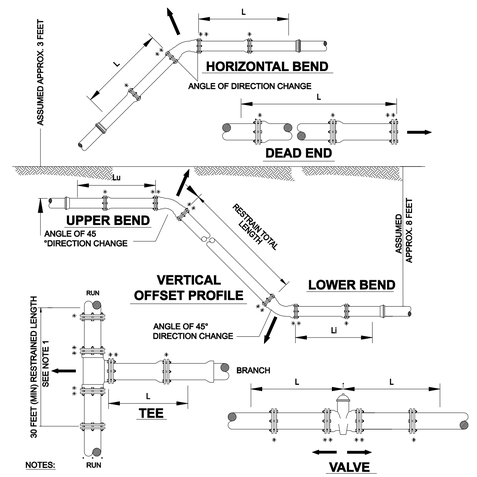
PLATE W-16



NOTES:
1. MATERIAL: ASTM A-48 CLASS 35B GRAY IRON
2. RING WEIGHT 230 LBS APPROX.
3. COVER WEIGHT 230 LBS. APPROX.
4. ALL DIMENSIONS ARE SHOWN IN INCHES
5. FOR MANHOLES WHICH WILL BE MAINTAINED BY JEA (INCLUDING UTILITY DEDICATION PROJECTS), THE COVER SHALL INCLUDE THE "JEA" LOGO AND A NEOPRENE GASKET.
6. FOR MANHOLES WHICH WILL BE MAINTAINED BY PARTIES OTHER THAN JEA (SUCH AS PRIVATE SEWER COLLECTION SYSTEMS, PRIVATE (FORCE MAIN) PUMP OUT BOX AND SYSTEMS NOT MAINTAINED BY JEA), THE COVER SHALL INCLUDE "SANITARY SEWER" GENERIC LETTERING (NO "JEA" LOGO OR NEOPRENE GASKET).

SANITARY SEWER MANHOLE FRAME & COVER

PLATE S-1



NOTES:
1. TOTAL LENGTH BETWEEN FIRST JOINTS OR RESTRAINED LENGTH ON EITHER SIDE OF TEE (RUN) SHALL BE A TOTAL DISTANCE OF 30 FEET (MIN.).
2. PAY ITEM *** DENOTES A RESTRAINT WHICH IS PAID FOR ON A PER EACH BASIS.
3. PAY ITEM **** DENOTES A RESTRAINT WHICH IS INCLUDED IN THE UNIT PRICE BID FOR FITTING OR VALVE.
4. ⟶ INDICATES DIRECTION OF THRUST FORCE.

MECHANICAL RESTRAINT DETAILS - II

PLATE W-31d

NO.	DATE	REVISIONS	Designed By : William S. Scott
6.			Cadd By : ETS
5.			
4.			Checked By: William S. Scott
3.			Date: 7/15/21
2.			
1.			

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wsscott97@gmail.com

WSS

THE SHOPPES AT MIDTOWN
UTILITY DETAILS
NASSAU COUNTY, FLORIDA

SHEET NUMBER
C11.0A

PROJECT NUMBER
0002

$DATE$ $TIME$ USERNAME $FILE$

LANDSCAPE GENERAL NOTES

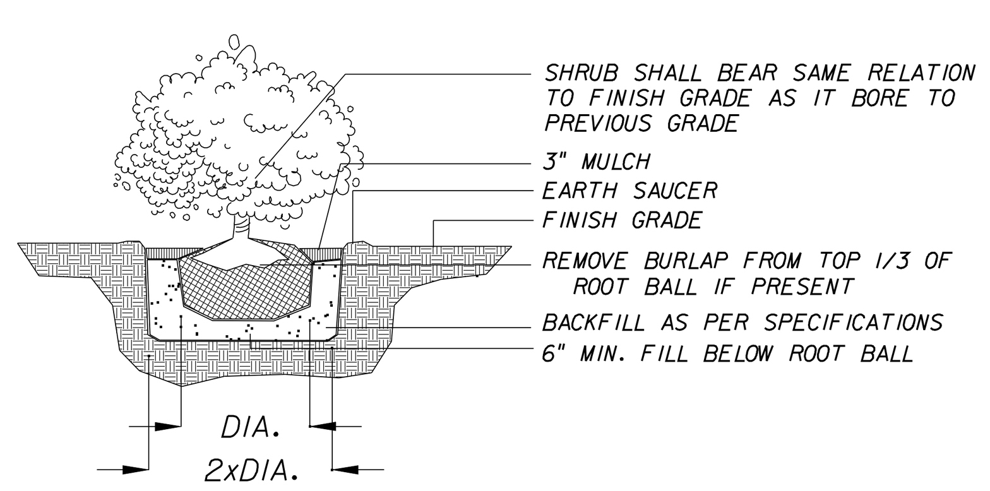
1. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE.
2. ALL PLANTS SHALL BE TRIANGULAR SPACED OR AS SHOWN ON PLANS.
3. ALL TREES MUST BE GUYED AND STAKED AS SHOWN IN THE DETAILS.
4. ALL PLANTS MUST BE TREATED WITH A ROOT STIMULANT PER THE LABEL AT THE TIME OF PLANTING.
5. ALL PLANTS AND PLANTING AREAS MUST BE COMPLETELY MULCHED AS SPECIFIED WITH THREE (3) INCHES OF CYPRESS MULCH.
6. PLANT BEDS ARE TO BE CONSTRUCTED AS SHOWN ON PLANS. PLANT BED AREAS DEPICTED WITHOUT PLANTINGS SHALL BE MULCHED WITH THREE (3) INCHES OF CYPRESS MULCH AS SPECIFIED ABOVE.
7. PRIOR TO CONSTRUCTION, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, ETC., WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
8. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
9. THE PLANTING SHALL BE DONE IN ACCORDANCE WITH ACCEPTABLE HORTICULTURAL PRACTICES. THIS IS TO INCLUDE PROPER PLANTING MIXING, PLANTED AND TREE PIT PREPARATION, PRUNING, STAKING AND/OR GUYING, WRAPPING, SPRAYING, FERTILIZATION, PLANTING AND ADEQUATE MAINTENANCE UNTIL ACCEPTANCE BY THE OWNER.
10. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING (INCLUDING, BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) OF PLANTING AREAS AND LAWNS UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE LANDSCAPE ARCHITECT OR THE OWNER.
11. ALL PLANTS SHALL BE GUARANTEED FOR 90 DAYS FROM FINAL INSPECTION AND ACCEPTANCE. ALL TREES SHALL BE GUARANTEED AN ADDITIONAL 180 DAYS.
12. ALL PLANTS ARE SUBJECT TO APPROVAL BY THE OWNER. PRIOR TO PLANTING, ALL TREES MUST BE APPROVED BY THE OWNER OR OWNER'S REPRESENTATIVE.
13. ALL INSTALLED TREES, SHRUBS AND GROUNDCOVERS SHALL CONFORM TO THE STANDARDS FOR FLORIDA GRADE #1 OR BETTER ACCORDING TO THE CURRENT EDITION OF "GRADES AND STANDARDS FOR NURSERY PLANTS" PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, DIVISION OF PLANT INDUSTRY.
14. PLANT MATERIAL SHALL BE OF GRADE AND STANDARD ACCEPTABLE TO NASSAU COUNTY OR BETTER.
15. PLANT SOIL MIXTURE: ADD SUFFICIENT PEAT OR RECYCLED COMPOST AND BUILDERS SAND TO NATURAL, FERTILE, FRIABLE TOPSOIL TYPICAL OF THE LOCALITY TO ACHIEVE A 1:3 ORGANIC MIX.
16. ALL LANDSCAPE MATERIALS (TREES, SHRUBS AND GROUNDCOVER) SHALL BE INSTALLED TO COMPLY WITH SIGHT GUIDELINES AND COUNTY REQUIREMENTS FOR PLANTING ABOVE ROADWAY PAVEMENT.
17. THE OWNER SHALL PROVIDE A LANDSCAPE IRRIGATION SYSTEM SUITABLE TO PROPERLY IRRIGATE ALL PLANTED MATERIAL.
18. GROUND COVER FOR ALL THE ROAD FRONTAGE SHALL BE BERMUDA SOD.
19. INTERIOR LANDSCAPE ISLANDS SHALL BE SODDED WITH ST. AUGUSTINE SOD.
20. THE RETENTION POND SHALL BE SODDED WITH ARGENTINE BAHIA.
21. ALL OTHER NON-PAVED DISTURBED AREAS SHALL BE SEEDED AND MULCHED WITH ARGENTINE BAHIA.

37.05C3 TREE REQUIREMENTS

PROJECT AREA = 251,859SF
TREES REQUIRED = 251,859SF (0.10)/500SF/TREE=51
TREES PROVIDED = 57

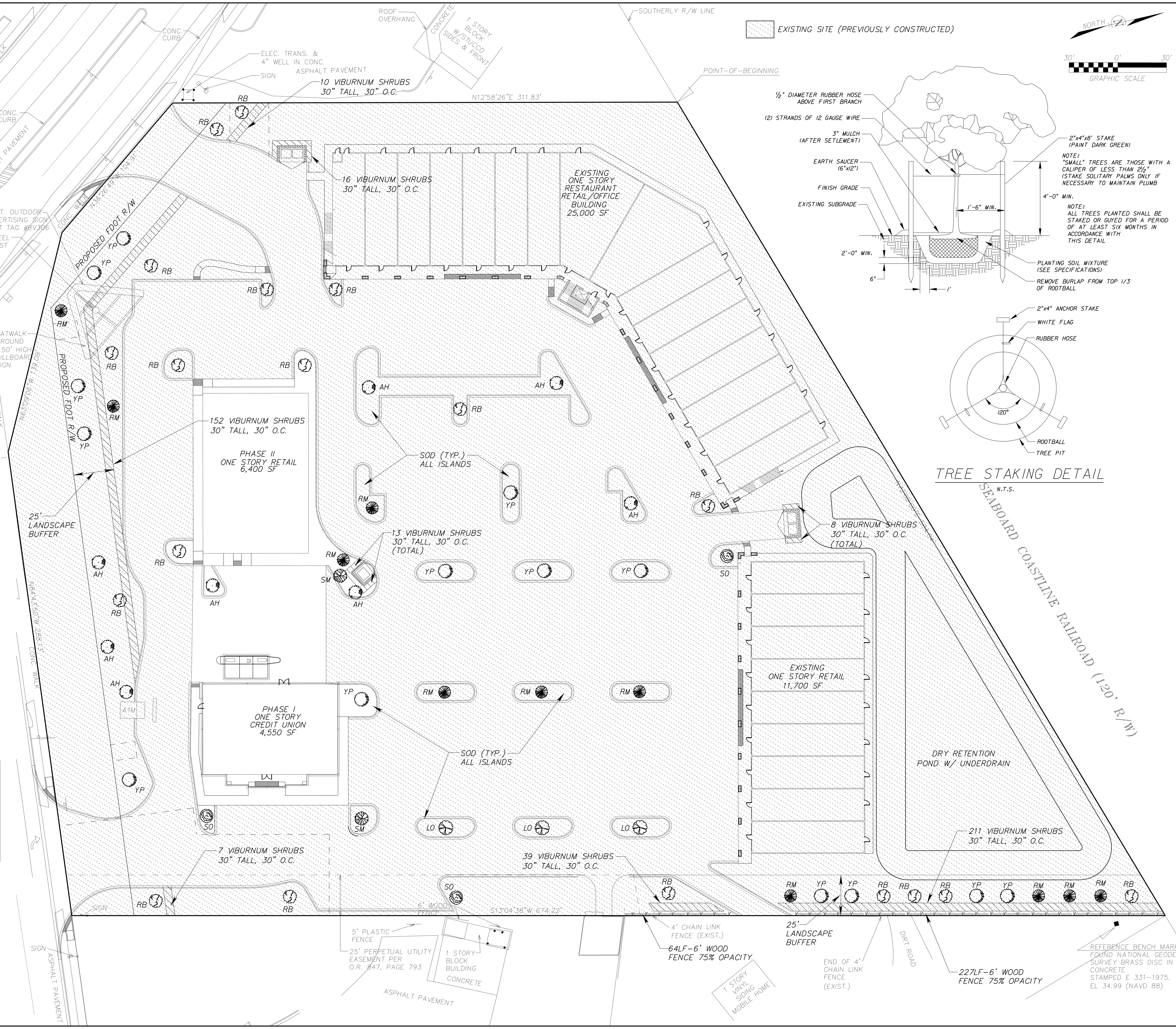
TREE LIST

	QTY	SYM	DESCRIPTION	SIZE	SPACING
	11	RM	RED MAPLE	3"+ CALIPER	AS SHOWN
	19	RB	RIVER BIRCH	3"+ CALIPER	AS SHOWN
	8	AH	AMERICAN HOLLY	3"+ CALIPER	AS SHOWN
	14	YP	YELLOW POPLAR	3"+ CALIPER	AS SHOWN
	2	SM	SOUTHERN MAGNOLIA	3"+ CALIPER	AS SHOWN
	3	SO	SHUMARD OAK	3"+ CALIPER	AS SHOWN
	3	LO	LIVE OAK	3"+ CALIPER	AS SHOWN
	419		VIBURNUM SHRUB	3 GAL., 30" TALL MIN.	30" O.C.



SHRUB PLANTING DETAIL

NOT TO SCALE



Designed By:	Cadd By:	Checked By:	Date:
William S. Scott	ETS	William S. Scott	7/15/21

REVISIONS

NO.	DATE	REVISIONS
6.		
5.		
4.		
3.		
2.		
1.		

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THE SHOPPES AT MIDTOWN
LANDSCAPE PLAN
NASSAU COUNTY, FLORIDA

SHEET NUMBER
C12.0

PROJECT NUMBER
0002

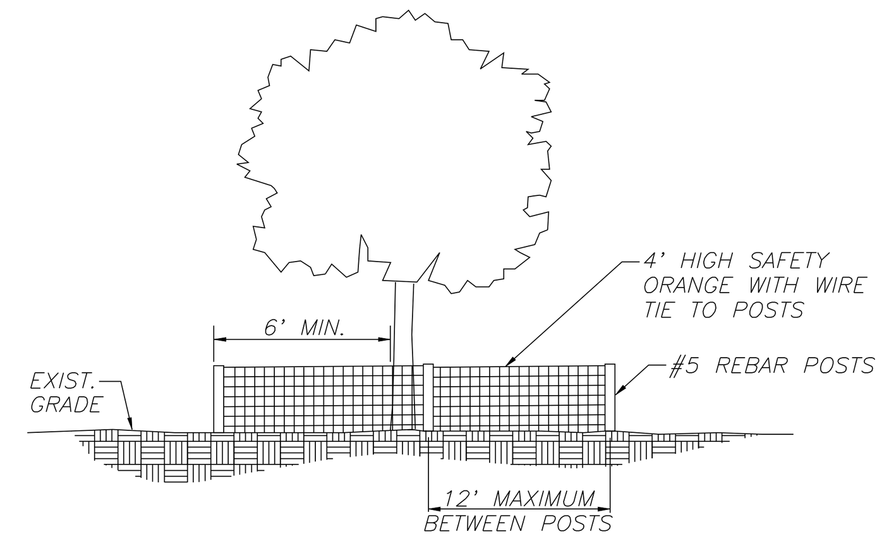
STORM WATER POLLUTION PREVENTION PLAN:

1. THE ENVIRONMENTAL PROTECTION AGENCY (EPA) HAS ISSUED TO FLORIDA A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT FOR CERTAIN STORM WATER DISCHARGES. THIS NPDES PROGRAM REQUIRES THAT IF THE MAGNITUDE OF CONSTRUCTION ACTIVITIES COVERED BY THE GENERAL PERMIT ARE ABOVE CERTAIN THRESHOLDS, THEN A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED. ALSO INVOLVED ARE CERTAIN CERTIFICATION, NOTIFICATION, INSPECTION AND RECORD KEEPING ACTIVITIES IN ACCORDANCE WITH THE EPA PUBLICATION EPA 832-R-92-005 DATED SEPT. 1992, AND TITLED "STORM WATER MANAGEMENT FOR CONSTRUCTION ACTIVITIES – DEVELOPING POLLUTION PREVENTION PLANS AND BEST MANAGEMENT PRACTICES". IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE IF THIS PROJECT REQUIRES AN NPDES APPLICATION AND NOTIFICATION AND, IF NECESSARY, PREPARE, SUBMIT AND MAINTAIN THE REQUIRED DOCUMENTATION IN COMPLIANCE WITH THE EPA GUIDELINES AND CRITERIA. THIS PLAN INDICATES THE MINIMUM EROSION AND SEDIMENT CONTROL MEASURES REQUIRED FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE RULES, REGULATIONS AND WATER QUALITY GUIDELINES AND MAY NEED TO INSTALL ADDITIONAL CONTROLS. THESE MEASURES INCLUDED BUT ARE NOT LIMITED TO THE FOLLOWING:
2. SUBMIT, ON BEHALF OF THE OWNER, A NOTICE OF INTENT TO THE EPA IN ACCORDANCE WITH THE CITY OF JACKSONVILLE DEVELOPMENT MANAGEMENT GROUP STAMP ON THE COVER SHEET.
3. CONSTRUCT TEMPORARY EROSION CONTROL AS SHOWN ON THE DRAWINGS PRIOR TO BEGINNING GRADING OPERATIONS.
4. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE BEST EROSION AND SEDIMENT CONTROL PRACTICES AS OUTLINED IN THE PLANS, SPECIFICATIONS, AND THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT PERMIT AND REGULATIONS. DEWATERING PUMPS SHALL NOT EXCEED THE CAPACITY OF THAT WHICH REQUIRES A CONSUMPTIVE USE PERMIT FROM THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT.
5. PERFORM ALL EXCAVATIONS AND EARTHWORK IN A MANNER TO MINIMIZE WATER TURBIDITY AND POLLUTION. CONTROL AND REROUTE DISCHARGE THROUGH HAY FILTERS, SILTATION CURTAINS AND SUMPS. THE CONTRACTOR IS RESPONSIBLE FOR THE PREVENTION, CORRECTION, CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION IN ACCORDANCE WITH CHAPTER 17-3, FLORIDA ADMINISTRATIVE CODE. FOR ADDITIONAL INFORMATION ON SEDIMENT AND EROSION CONTROL REFER TO "FLORIDA DEVELOPMENT MANUAL – A GUIDE TO SOUND LAND AND WATER MANAGEMENT" FROM THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, CHAPTER 6.
6. PAY FOR ANY WATER QUALITY CONTROL VIOLATIONS FROM ANY AGENCY THAT RESULTS IN FINES BEING ASSESSED TO THE OWNER BECAUSE OF THE CONTRACTOR'S FAILURE TO ELIMINATE TURBID RUNOFF FROM LEAVING THE SITE AND RAISING BACKGROUND LEVELS.
7. REMOVE TEMPORARY SOIL EROSION PROVISIONS AND THE SOILS THEY COLLECT AFTER GRADED SOIL IS STABILIZED BY NEW VEGETATION DISTURBED BY THIS ACTIVITY.
8. COMPLY WITH THE CONDITIONS OF THE ENVIRONMENTAL RESOURCE PERMIT.
9. BEST MANAGEMENT PRACTICES FOR STORMWATER RUNOFF INCLUDE BUT ARE NOT LIMITED TO HAY BALES OR SILT FENCES, STILLING BASINS, SOD, AND SEED AND MULCH.
10. SOURCE CONTROLS WILL INCLUDE ADDITIONAL MEASURES. PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES. HANDLE AND DISPOSE OF ALL FERTILIZERS, FUELS, HYDROCARBONS, CHEMICALS AND THEIR CONTAINERS ACCORDING TO THE EPA's STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER. ENSURE THAT LOADED HAUL TRUCKS ARE COVERED WITH TARPAULINS AND EXCESS SOILS ARE REMOVED FROM THE TRAVEL LANES DAILY. KEEP BARE SOILS MOIST ENOUGH TO CONTROL WIND BORNE DUST. MANAGE SANITARY WASTE BY PORTABLE UNITS ACCORDING TO STATE REGULATIONS BY A LICENSED SANITARY WATER MANAGEMENT CONTRACTOR.
11. ALL MEASURES INTENDED TO REDUCE TURBID DISCHARGE MUST BE IN PLACE PRIOR TO DISTURBANCE OF SOIL.
12. MAINTAIN AND REPAIR EROSION AND SEDIMENT CONTROL DEVICES, AND REMOVE THEM UPON COMPLETION OF CONSTRUCTION. REPAIR ALL DAMAGED MEASURES WITHIN 24 HOURS OF THE OCCURRENCE. REMOVE AND DISPOSE OF DEBRIS AND SOIL COLLECTED BY BEST MANAGEMENT PRACTICES.
13. INSPECT POLLUTION CONTROL MEASURES DAILY. MAINTAIN WRITTEN DOCUMENTATION OF INSPECTIONS WEEKLY, AND WITHIN 24 HOURS OF A RAINFALL EVENT IN EXCESS OF 0.5 CM.
14. CONTROL ALL WATER DISCHARGES NOT ASSOCIATED WITH STORM EVENTS. THESE INCLUDE DISCHARGES FROM DEWATERING ACTIVITIES AND UTILITY LINE FLUSHING.

EROSION CONTROL NOTES:

1. STABILIZE ALL DISTURBED AREAS AND FILL SLOPES WITHIN 48 HOURS OF COMPLETION OF WORK. MAINTAIN NEWLY GRADED AREAS AND REPAIR THOSE AREAS WHERE SETTLING AND EROSION HAVE OCCURRED.
2. PROVIDE ALL MATERIALS AND TAKE WHATEVER MEANS NECESSARY TO PREVENT THE EROSION OF AND DEPOSIT OF SEDIMENT ON ADJACENT AND DOWNSTREAM PROPERTIES. IMPLEMENT AND PROVIDE SUITABLE EROSION CONTROL MEASURES (I.E. SEDIMENTATION BARRIERS, HAY BALES, SILTATION CURTAINS, TEMPORARY DETENTION STILLING BASINS, ETC.) TO ENSURE THE CONTROL OF STORMWATER RUNOFF.
3. INSTALL TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS. MAINTAIN TURBIDITY BARRIERS IN PLACE AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED, SOILS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED.
4. SEED AREAS OPENED BY CONSTRUCTION OPERATIONS THAT ARE NOT ANTICIPATED TO BE DRESSED AND RECEIVE FINAL GRASSING TREATMENT WITHIN THIRTY DAYS WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED. ENSURE THAT THE SPECIES WILL NOT COMPETE WITH PROPOSED PERMANENT GRASSING. SEED AT A RATE OF 30 LB. PER ACRE. APPLY AN ADDITIONAL 2 INCHES OF MULCHING TO SLOPES IN EXCESS OF 6:1. CUT MULCHING INTO THE SOIL OF THE SEEDED AREAS TO A DEPTH OF 4 INCHES.
5. STOCKPILE EXCAVATED MATERIAL IN A MANNER THAT PREVENTS DIRECT RUNOFF INTO THE ADJACENT WATER BODY.
6. PROTECT INLETS AND CATCH BASINS FROM SEDIMENT LADEN RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET. PLACE FILTER FABRIC BETWEEN THE INLET GRATES AND FRAMES AS A TEMPORARY PROTECTION MEASURE UNTIL FINAL SURFACING IS COMPLETE.
7. ENSURE THAT ALL DRAINAGE STRUCTURES, PIPES, ETC., ARE CLEANED OUT AND WORKING PROPERLY AT ALL TIMES AND THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND REPAIRS, AS NEEDED, SHALL BE MADE IMMEDIATELY.

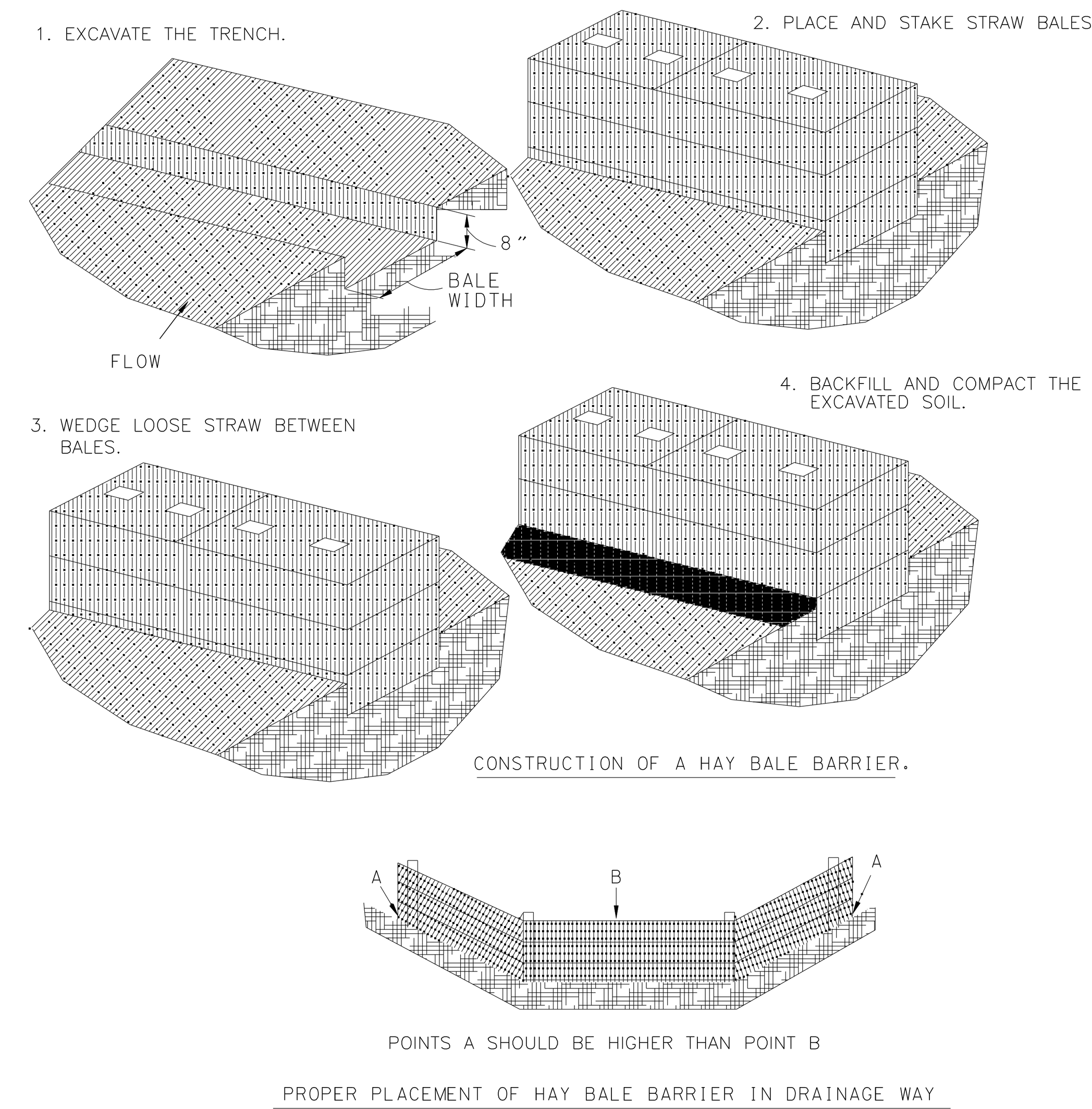
$DATE$ $TIME$ USERNAME $FILE$



TREE PROTECTION DETAIL

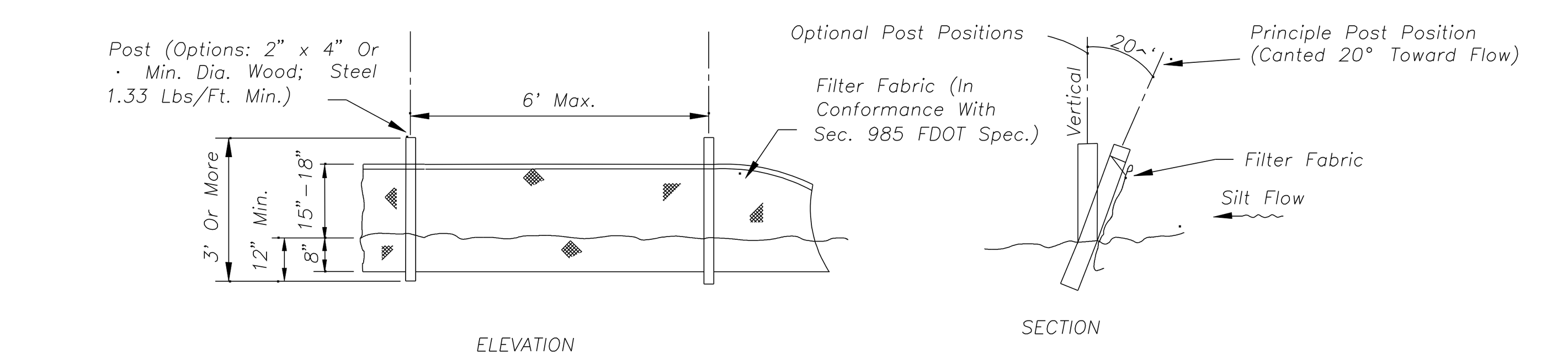
N.T.S.

PLACE TREE PROTECTION BARRIER AROUND ALL TREES SHOWN TO REMAIN WITHIN CONSTRUCTION AREAS

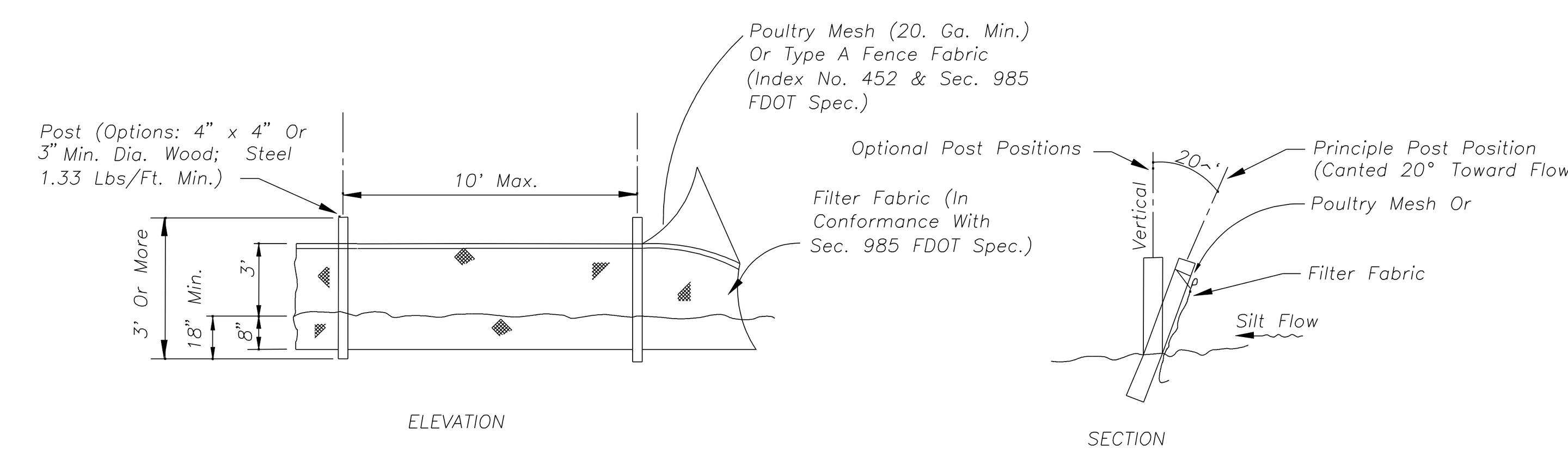


HAY BALE BARRIER CONSTRUCTION DETAILS

(D-913)
N.T.S.



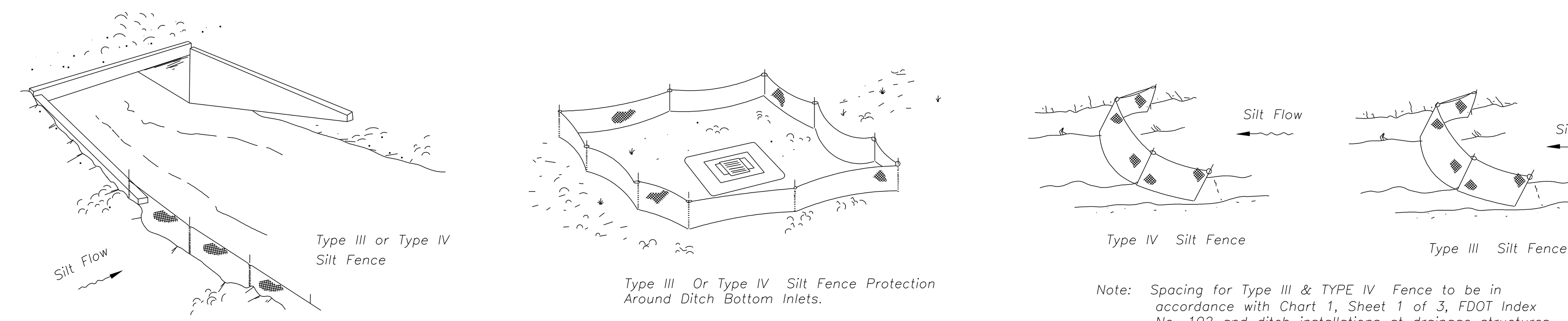
TYPE III SILT FENCE



Note: Silt Fence to be paid for under the contract lump sum price for Erosion and Sediment Control.

TYPE IV SILT FENCE

NOTE:
THE CONTRACTOR IS RESPONSIBLE FOR APPLYING FOR AND OBTAINING AN APPROVED STORMWATER POLLUTION PREVENTION PLAN.



Note: Spacing for Type III & TYPE IV Fence to be in accordance with Chart 1, Sheet 1 of 3, FDOT Index No. 102 and ditch installations at drainage structures Sheet 2 of 3, FDOT Index No. 102.

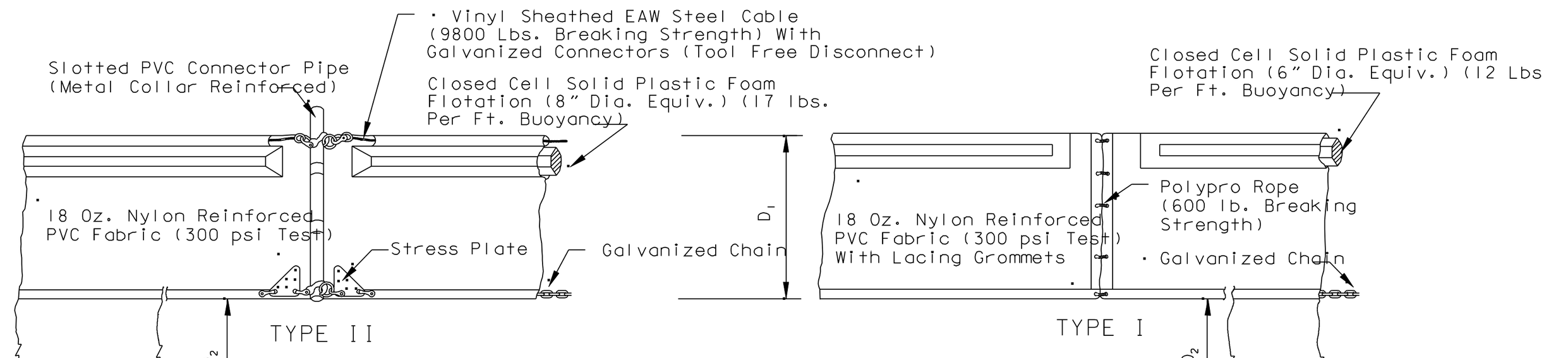
Do not deploy in a manner that silt fences will act as a dam across permanent flowing watercourses. Silt fences are to be used at upland locations and turbidity barriers used at permanent bodies of water.

NOTICE:
COMPONENTS OF TYPES I & TYPE II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

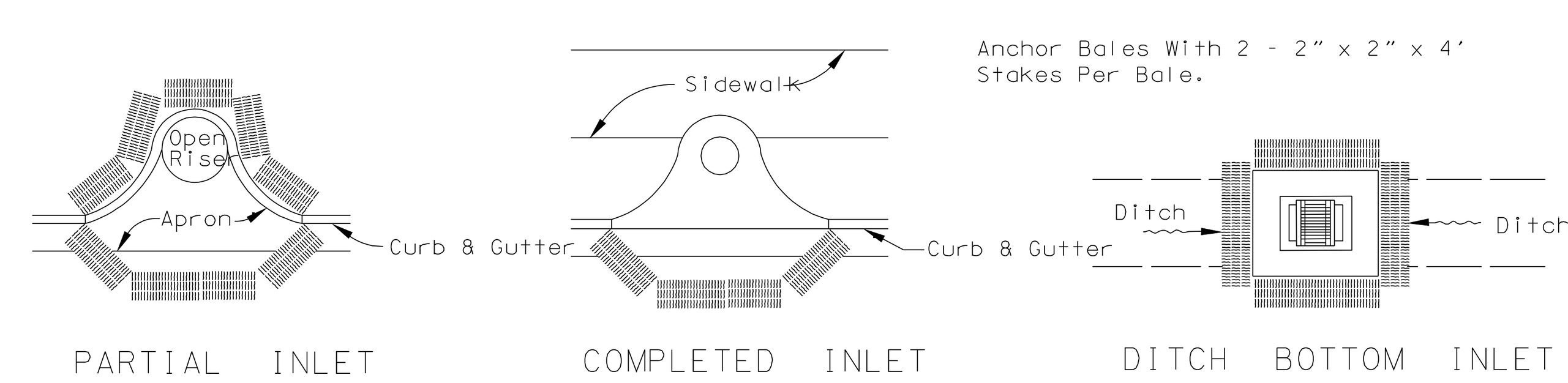
SILT FENCE APPLICATIONS

SILT FENCE TYPE III & IV

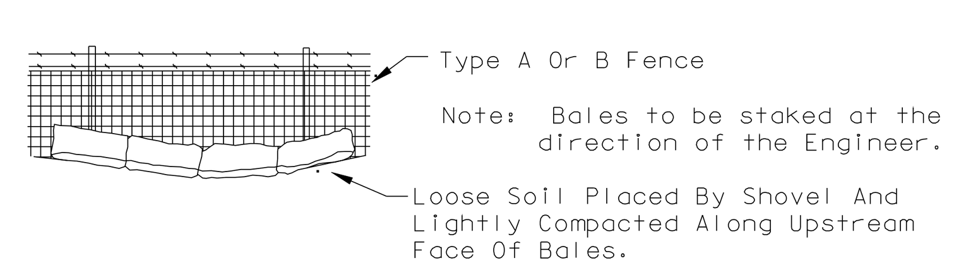
(D-908)
N.T.S.



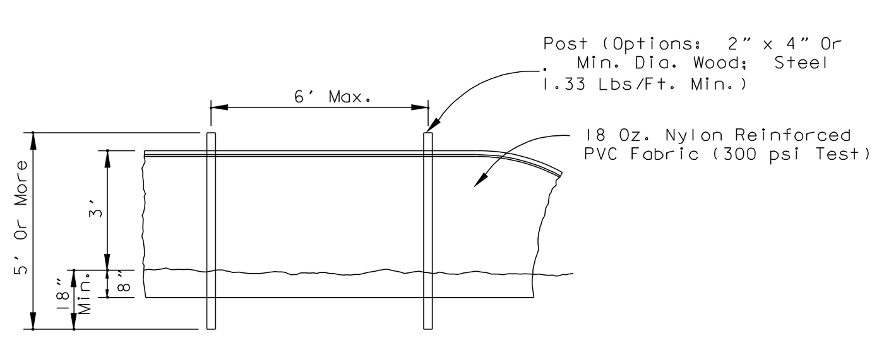
FLOATING TURBIDITY BARRIERS

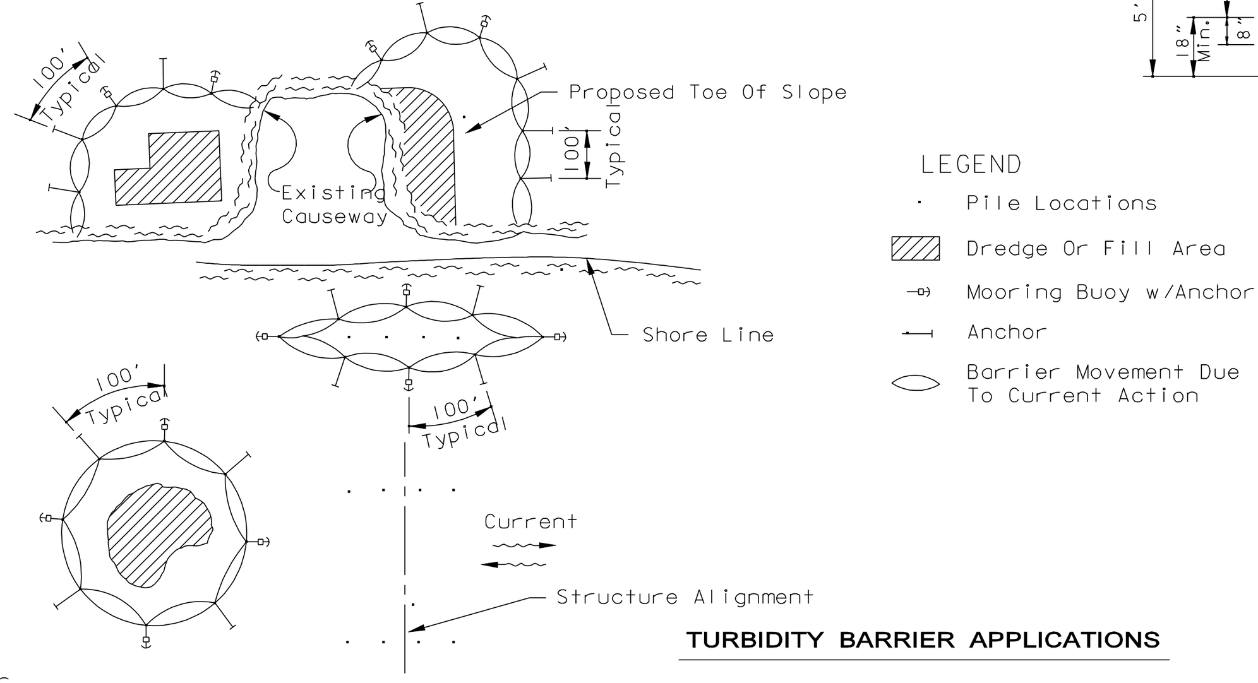


PROTECTION AROUND INLETS OR SIMILAR STRUCTURES



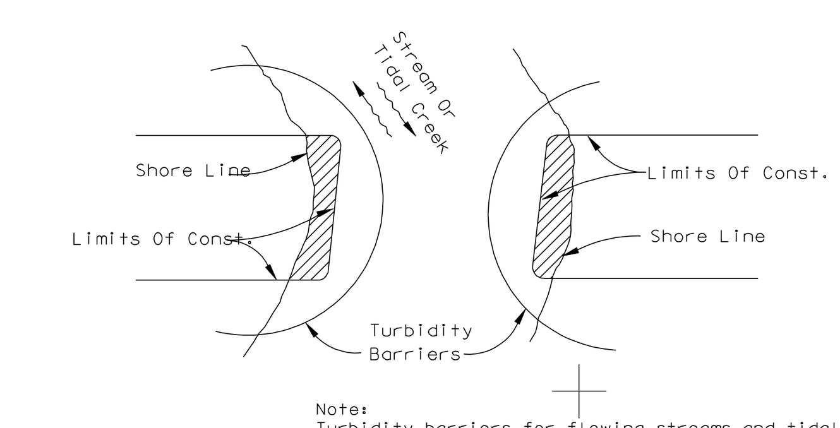
BALES BACKED BY FENCE





TURBIDITY BARRIER APPLICATIONS

NOTES:
1. Turbidity barriers are to be used in all permanent bodies of water regardless of water depth.
2. Number and spacing of anchors dependent on current velocities.
3. Deployment of barrier around pile locations may vary to accommodate construction operations.
4. Navigation may require segmenting barrier during construction operations.
5. For additional information see Section 104 of the FDOT Standard Specifications.



Note:
Turbidity barriers for flowing streams and tidal creeks may be either floating, or staked types or any combinations of types that will suit site conditions and meet erosion control and water quality requirements. The barrier type(s) will be at the Contractors option unless otherwise specified in the plans, however payment will be under the contract lump sum price established in the bid proposal for Erosion & Sediment Control Posts in staked turbidity barriers to be installed in vertical position unless otherwise directed by the Engineer.

TURBIDITY BARRIERS

(D-907) N.T.S.

Designed By :	William S. Scott
Cadd By :	ETS
Checked By:	William S. Scott
Date:	7/15/21

NO.	DATE	REVISIONS
6.		
5.		
4.		
3.		
2.		
1.		

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THE SHOPPES AT MIDTOWN EROSION CONTROL NOTES AND DETAILS

NASSAU COUNTY, FLORIDA

SHEET NUMBER
C13.0

PROJECT NUMBER
0002