

LEGEND:

	SET BENCHMARK		DENOTES WOOD UTILITY POLE		(C) DENOTES CALCULATED INFORMATION
	SET NAIL & DISK (No. 7916)		DENOTES GUY WIRE ANCHOR		(D) DENOTES DEED INFORMATION
	FOUND 1/2" DIA CIR (No. 7916)		DENOTES MAILBOX		∅ DENOTES DIAMETER
	FOUND 1/2" DIA CIR (No. 6164)		DENOTES SINGLE SUPPORT SIGN		EL DENOTES ELEVATION
	FOUND 1/2" DIA CIR (No. 7092)		DENOTES TREE (SIZE AND TYPE)		EOP DENOTES EDGE OF PAVEMENT
	FOUND 1/2" DIA CIR (ILLEGIBLE)		DENOTES STORMWATER MANHOLE		(F) DENOTES FIELD INFORMATION
	FOUND 1/2" DIA IRON ROD (UNNUMBERED)		DENOTES BURIED GAS LINE MARKER		No. DENOTES NUMBER
	DENOTES PLATTED LOT NUMBER		DENOTES GAS METER		(P) DENOTES PLAT INFORMATION
			DENOTES SPOT ELEVATION		RCP DENOTES REINFORCED CONCRETE PIPE
			DENOTES ELEVATION CONTOUR LINE AT ONE FOOT INTERVALS		
			DENOTES OVERHEAD UTILITIES		
			DENOTES CHAIN LINK FENCE		
			BOC DENOTES BACK OF CURB		
			CIR DENOTES CAPPED IRON ROD		

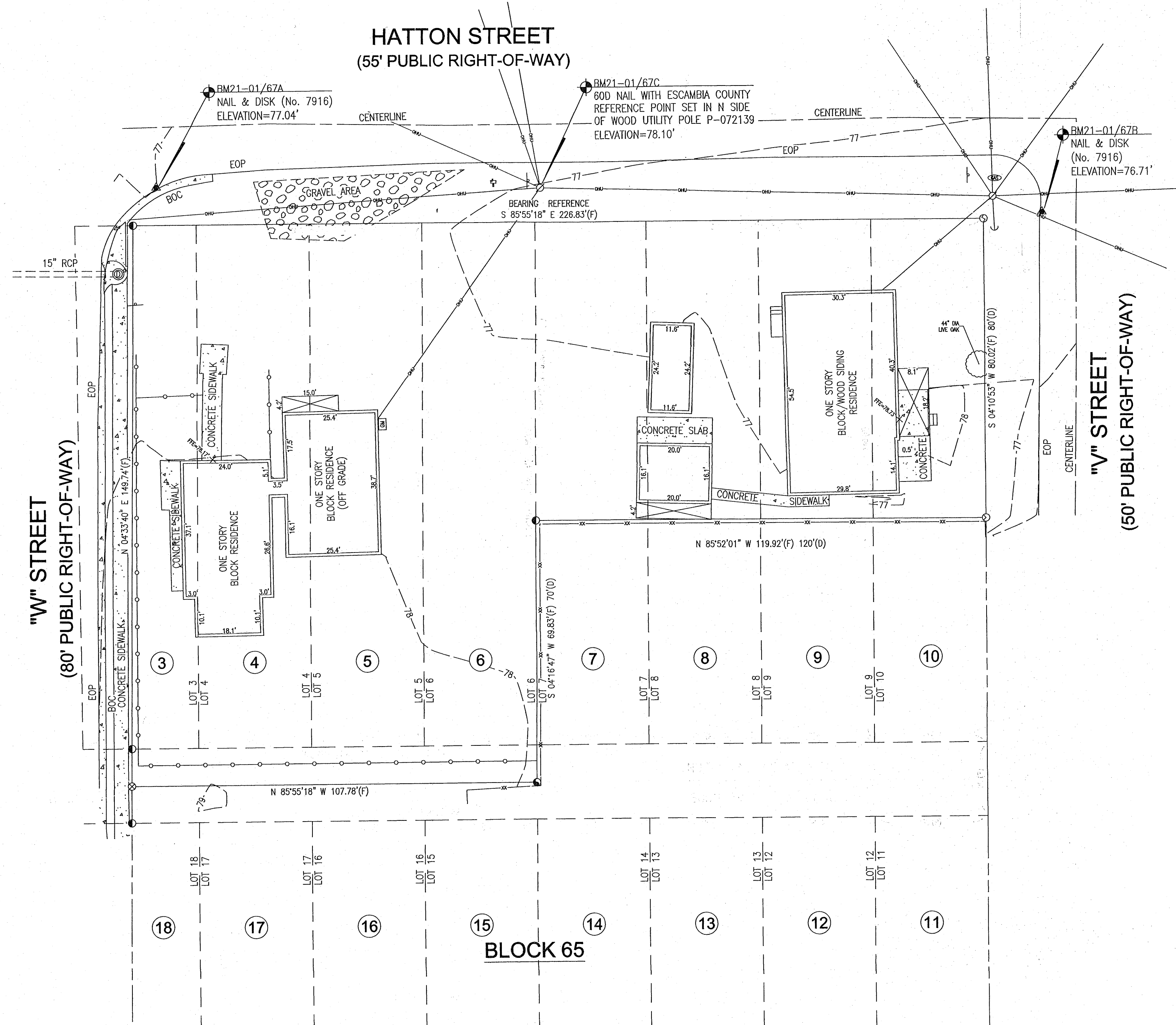
DESCRIPTION: (OFFICIAL RECORDS BOOK 6623, PAGE 124)

PARCEL 1 (PARCEL IDENTIFICATION No. 172530-1400-003-065):
LOTS 3 TO 6, BOTH INCLUSIVE, IN BLOCK 65, PINECREST SUBDIVISION, BEING THE ALBERT HAZLE LAND COMPANY'S SUBDIVISION OF LOTS 12 AND 13, AND PART OF LOT 5, IN SECTION 17, TOWNSHIP 2 SOUTH, RANGE 30 WEST, ACCORDING TO THE PLAT RECORDED IN DEED BOOK 55, PAGE 261, OF THE PUBLIC RECORDS OF ESCAMBIA COUNTY, FLORIDA.
LESS AND EXCEPT THAT PORTION OF STATE RIGHT OF WAY RECORDED IN OR BOOK 491, PAGE 894, OF THE PUBLIC RECORDS OF ESCAMBIA COUNTY, FLORIDA.

PARCEL 2 (PARCEL IDENTIFICATION No. 172530-1400-007-065):
THE NORTH 80 FEET OF LOTS 7, 8, 9, AND 10, BLOCK 65, PINECREST SUBDIVISION, BEING THE ALBERT HAZLE LAND COMPANY'S SUBDIVISION OF LOTS 12 AND 13, AND PART OF LOT 5, IN SECTION 17, TOWNSHIP 2 SOUTH, RANGE 30 WEST, ACCORDING TO THE PLAT RECORDED IN DEED BOOK 55, PAGE 261, OF THE PUBLIC RECORDS OF ESCAMBIA COUNTY FLORIDA.

AND ALSO THE NORTH HALF OF THE ADJACENT VACATED ALLEYWAY AS DESCRIBED IN

(OFFICIAL RECORDS BOOK 6780, PAGE 816)
ALL THAT CERTAIN 20-FOOT WIDE ALLEYWAY EXTENDING WEST TO EAST THROUGH BLOCK 65 AND 66 OF PINECREST SUBDIVISION AS RECORDED IN PLAT DEED BOOK 55 AT PAGE 261 OF THE PUBLIC RECORDS OF ESCAMBIA COUNTY, FLORIDA. ALL LYING AND BEING IN SECTION 1, TOWNSHIP 2 SOUTH, RANGE 30 WEST, ESCAMBIA COUNTY, FLORIDA



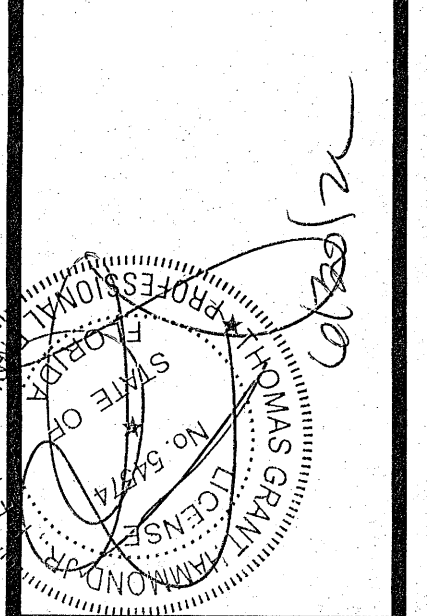
- GENERAL NOTES:**
- NORTH AND THE SURVEY DATUM SHOWN HEREON IS BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM (FLORIDA NORTH ZONE), NORTH AMERICAN DATUM OF 1983 (NAD83)-(2011)-(EPOCH 2010.0000) HAVING A BEARING OF SOUTH 85 DEGREES 55 MINUTES 18 SECONDS EAST ALONG THE SOUTH RIGHT-OF-WAY(R/W) LINE OF HATTON STREET (55' PUBLIC R/W); AND WERE DERIVED UTILIZING A GLOBAL POSITIONING SYSTEM (GPS) TOPCON HIPER II GEODETIC DUAL FREQUENCY RECEIVER. THE RECEIVER WAS UTILIZED IN A REAL-TIME KINEMATIC (RTK) MODE UTILIZING THE FLORIDA DEPARTMENT OF TRANSPORTATION FLORIDA PERMANENT REFERENCE NETWORK (FPRN), FLORIDA'S GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) REFERENCE STATION NETWORK. COPY OF BOUNDARY SURVEYS AS PREPARED BY THIS FIRM OF PARCELS IN BLOCK TO THE EAST OF THE SUBJECT PROPERTY, PROJECT NUMBER 2018.055, DATED 7/26/2018 & PROJECT NUMBER 2017.287, DATED 12/18/2017; COPY OF THE RECORD PLAT OF PINECREST SUBDIVISION AS RECORDED IN DEED BOOK 55 AT PAGE 261 OF THE PUBLIC RECORDS OF ESCAMBIA COUNTY, FLORIDA, DEEDS OF RECORD AND EXISTING FIELD MONUMENTATION.
 - NO TITLE SEARCH, TITLE OPINION OR ABSTRACT WAS PERFORMED BY NOR PROVIDED TO THIS FIRM FOR THE SUBJECT PROPERTY. THERE MAY BE DEEDS OF RECORD, UNRECORDED DEEDS, EASEMENTS, RIGHTS-OF-WAY, BUILDING SETBACKS, RESTRICTIVE COVENANTS OR OTHER INSTRUMENTS WHICH COULD AFFECT THE BOUNDARIES OR USE OF THE SUBJECT PROPERTY.
 - ELEVATIONS AS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88, ELLIPSOID GRS1980) AND WERE DERIVED UTILIZING A GLOBAL POSITIONING SYSTEM (GPS) TOPCON HIPER II GEODETIC DUAL FREQUENCY RECEIVER. THE RECEIVER WAS USED IN A REAL-TIME KINEMATIC (RTK) MODE UTILIZING THE FLORIDA DEPARTMENT OF TRANSPORTATION FLORIDA PERMANENT REFERENCE NETWORK (FPRN), FLORIDA'S GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) REFERENCE STATION NETWORK.
 - IT IS THE OPINION OF THE UNDERSIGNED SURVEYOR & MAPPER THAT THE PARCEL OF LAND SHOWN HEREON IS IN ZONE "X", AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN BASED ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP FOR ESCAMBIA COUNTY, FLORIDA, COMMUNITY PANEL NUMBER 12033003800, EFFECTIVE DATE OF SEPTEMBER 29, 2006.
 - GRAPHIC SYMBOLISM FOR FEATURES SUCH AS MONUMENTATION, FENCES, TREES, TREE LINES, UTILITIES ETCETERA MAY BE EXAGGERATED IN SIZE FOR CLARITY PURPOSES. DIMENSIONS TO EXAGGERATED FEATURES WILL SUPERSEDE SCALED MEASUREMENTS.
 - THE STRUCTURE DIMENSIONS DO NOT INCLUDE THE EAVE OVERHANG OR FOUNDATION FOOTINGS.
 - MEASUREMENTS WERE MADE IN ACCORDANCE WITH THE UNITED STATES STANDARD FOOT.
 - THIS SURVEY DOES NOT REPRESENT NOR GUARANTEE OWNERSHIP.
 - VISIBLE ENCROACHMENTS ARE AS SHOWN HEREON.
 - VISIBLE IMPROVEMENTS ARE AS SHOWN HEREON.
 - VISIBLE UTILITIES ARE AS SHOWN HEREON.

NO.	DATE	REVISIONS
1	06/21/22	REVISED PLANS AS PER ECA INITIAL REVIEW COMMENTS
2	06/22/22	REVISED PLANS AS PER ESCAMBIA COUNTY INITIAL REVIEW COMMENTS

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HE

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SITE DEVELOPMENT PLANS FOR GROSS AND SON CUSTOMER SERVICE BUILDING EXISTING CONDITIONS ESCAMBIA COUNTY FLORIDA

DRAWN BY: CJB
DESIGNED BY: RLS
CHECKED BY: TGH
DATE: 05-12-22
SCALE: AS SHOWN
NOT RELEASED FOR CONSTRUCTION
BY: _____ DATE: _____

GRAPHIC SCALE

22"x34" SCALE 1 inch = 10 ft.



11"x17" SCALE 1 inch = 20 ft.

LEGEND:

- DENOTES EXISTING ASPHALT
- DENOTES EXISTING GRAVEL TO BE REMOVED
- DENOTES EXISTING CHAINLINK FENCE
- DENOTES EXISTING CHAINLINK FENCE WITH BARBED WIRE
- DENOTES EXISTING STORM PIPE
- DENOTES EXISTING OVERHEAD UTILITIES TO BE REMOVED
- DENOTES EXISTING CONCRETE
- DENOTES EXISTING CONCRETE TO BE REMOVED
- DENOTES EXISTING OVERHEAD UTILITIES
- DENOTES EXISTING SEWER LINE
- DENOTES EXISTING SEWER LINE TO BE REMOVED
- DENOTES EXISTING WATER LINE
- DENOTES EXISTING WATER LINE TO BE REMOVED
- DENOTES EXISTING UTILITY POLE
- DENOTES EXISTING GUY ANCHOR
- DENOTES EXISTING TREE TO REMAIN
- DENOTES EXISTING SIGN
- DENOTES EXISTING WATER METER TO BE REMOVED BY ECUA
- DENOTES EXISTING CHAINLINK FENCE
- DENOTES EXISTING CHAINLINK FENCE WITH BARBED WIRE
- DENOTES PROPOSED SILT FENCE
- DENOTES PROPOSED TREE PROTECTION BARRIER
- DENOTES EXISTING WATER LINE
- DENOTES EXISTING WATER LINE TO BE REMOVED
- DENOTES EXISTING WATER METER TO BE REMOVED BY ECUA

TREE PROTECTION NOTE:
THERE ARE NO PROTECTED TREES ARE TO BE REMOVED AS PART OF THIS PROJECT

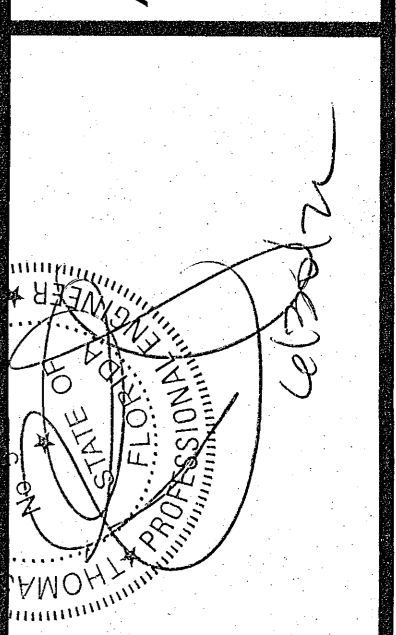


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CONTRACTOR TO NOTIFY SUNSHINE 811 A MINIMUM 2 BUSINESS DAYS IN ADVANCE PRIOR TO DIGGING WITHIN THE RIGHT OF WAY. 1-800-432-4770

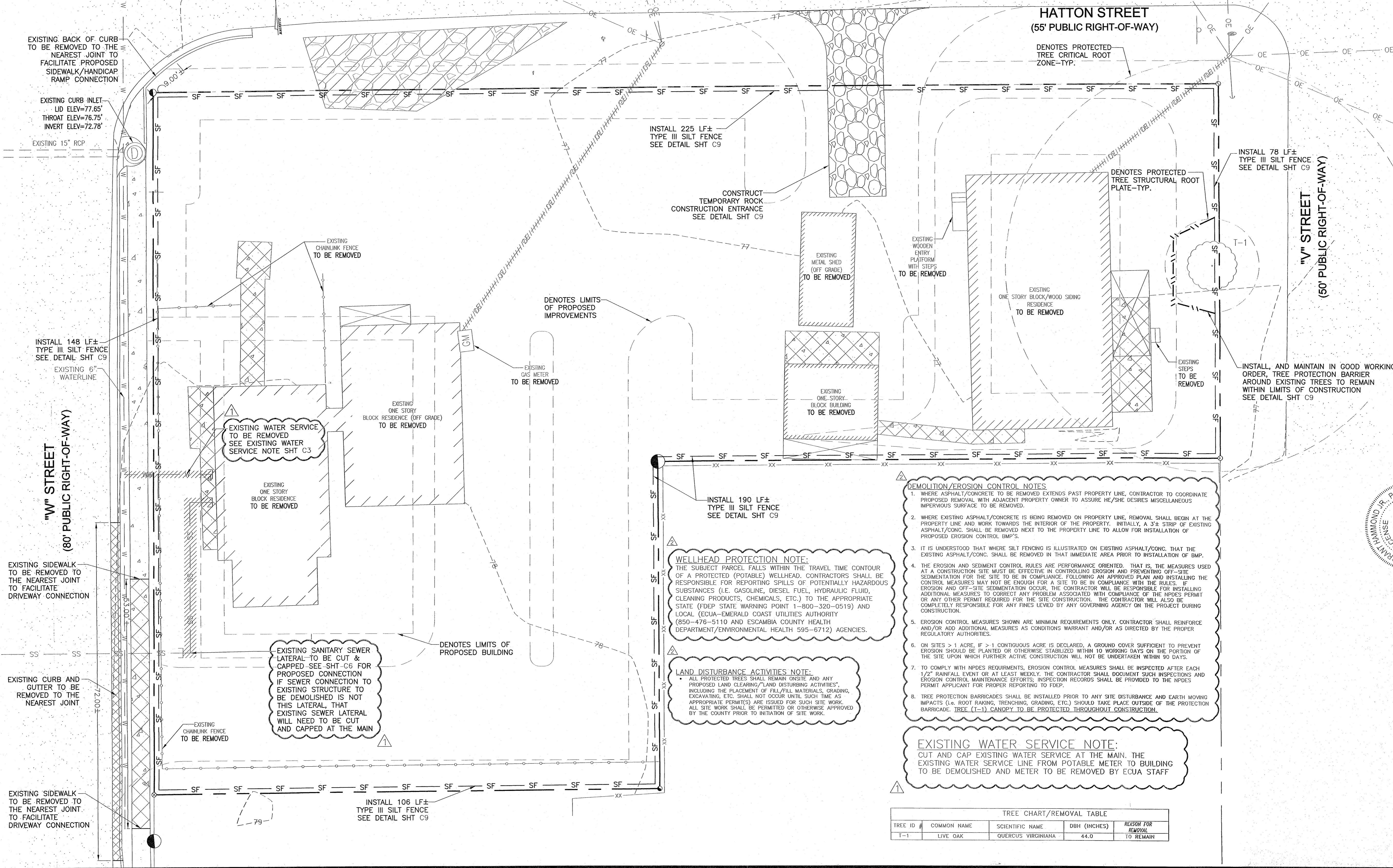
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SITE DEVELOPMENT PLANS FOR GROSS AND SON CUSTOMER SERVICE BUILDING DEMOLITION & EROSION CONTROL PLAN
FLORIDA
ESCAMBIA COUNTY

DRAWN BY: CUG	DESIGNED BY: RLS	CHECKED BY: TSH	DATE: 05-12-22	SCALE: AS SHOWN	NOT RELEASED FOR CONSTRUCTION
PROJECT NO: 21-039	SHEET: C3				



DEMOLITION/EROSION CONTROL NOTES

- WHERE ASPHALT/CONCRETE TO BE REMOVED EXTENDS PAST PROPERTY LINE, CONTRACTOR TO COORDINATE PROPOSED REMOVAL WITH ADJACENT PROPERTY OWNER TO ASSURE HE/SHE DESIRES MISCELLANEOUS IMPERVIOUS SURFACE TO BE REMOVED.
- WHERE EXISTING ASPHALT/CONCRETE IS BEING REMOVED ON PROPERTY LINE, REMOVAL SHALL BEGIN AT THE PROPERTY LINE AND WORK TOWARDS THE INTERIOR OF THE PROPERTY. INITIALLY, A 3± STRIP OF EXISTING ASPHALT/CONC. SHALL BE REMOVED NEXT TO THE PROPERTY LINE TO ALLOW FOR INSTALLATION OF PROPOSED EROSION CONTROL BMP'S.
- IT IS UNDERSTOOD THAT WHERE SILT FENCING IS ILLUSTRATED ON EXISTING ASPHALT/CONC. THAT THE EXISTING ASPHALT/CONC. SHALL BE REMOVED IN THAT IMMEDIATE AREA PRIOR TO INSTALLATION OF BMP.
- THE EROSION AND SEDIMENT CONTROL RULES ARE PERFORMANCE ORIENTED. THAT IS, THE MEASURES USED AT A CONSTRUCTION SITE MUST BE EFFECTIVE IN CONTROLLING EROSION AND PREVENTING OFF-SITE SEDIMENTATION FOR THE SITE TO BE IN COMPLIANCE. FOLLOWING AN APPROVED PLAN AND INSTALLING THE CONTROL MEASURES MAY NOT BE ENOUGH FOR A SITE TO BE IN COMPLIANCE WITH THE RULES. IF EROSION AND OFF-SITE SEDIMENTATION OCCUR, THE CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING ADDITIONAL MEASURES TO CORRECT ANY PROBLEM ASSOCIATED WITH COMPLIANCE OF THE NPDES PERMIT OR ANY OTHER PERMIT REQUIRED FOR THE SITE CONSTRUCTION. THE CONTRACTOR WILL ALSO BE COMPLETELY RESPONSIBLE FOR ANY FINES LEVIED BY ANY GOVERNING AGENCY ON THE PROJECT DURING CONSTRUCTION.
- EROSION CONTROL MEASURES SHOWN ARE MINIMUM REQUIREMENTS ONLY. CONTRACTOR SHALL REINFORCE AND/OR ADD ADDITIONAL MEASURES AS CONDITIONS WARRANT AND/OR AS DIRECTED BY THE PROPER REGULATORY AUTHORITIES.
- ON SITES > 1 ACRE, IF > 1 CONTIGUOUS ACRE IS DECLARED, A GROUND COVER SUFFICIENT TO PREVENT EROSION SHOULD BE PLANTED OR OTHERWISE STABILIZED WITHIN 10 WORKING DAYS ON THE PORTION OF THE SITE UPON WHICH FURTHER ACTIVE CONSTRUCTION WILL NOT BE UNDERTAKEN WITHIN 90 DAYS.
- TO COMPLY WITH NPDES REQUIREMENTS, EROSION CONTROL MEASURES SHALL BE INSPECTED AFTER EACH 1/2" RAINFALL EVENT OR AT LEAST WEEKLY. THE CONTRACTOR SHALL DOCUMENT SUCH INSPECTIONS AND EROSION CONTROL MAINTENANCE EFFORTS; INSPECTION RECORDS SHALL BE PROVIDED TO THE NPDES PERMIT APPLICANT FOR PROPER REPORTING TO FDEP.
- TREE PROTECTION BARRICADES SHALL BE INSTALLED PRIOR TO ANY SITE DISTURBANCE AND EARTH MOVING IMPACTS (i.e. ROOT RAKING, TRENCHING, GRADING, ETC.) SHOULD TAKE PLACE OUTSIDE OF THE PROTECTION BARRICADE. TREE (T-1) CANOPY TO BE PROTECTED THROUGHOUT CONSTRUCTION.

WELLHEAD PROTECTION NOTE:

THE SUBJECT PARCEL FALLS WITHIN THE TRAVEL TIME CONTOUR OF A PROTECTED (POTABLE) WELLHEAD. CONTRACTORS SHALL BE RESPONSIBLE FOR REPORTING SPILLS OF POTENTIALLY HAZARDOUS SUBSTANCES (I.E. GASOLINE, DIESEL FUEL, HYDRAULIC FLUID, CLEANING PRODUCTS, CHEMICALS, ETC.) TO THE APPROPRIATE STATE (FDEP STATE WARNING POINT 1-800-320-0519) AND LOCAL (ECUA-EMERALD COAST UTILITIES AUTHORITY (850-476-5110 AND ESCAMBIA COUNTY HEALTH DEPARTMENT/ENVIRONMENTAL HEALTH 595-6712) AGENCIES.

LAND DISTURBANCE ACTIVITIES NOTE:

ALL PROTECTED TREES SHALL REMAIN ON-SITE AND ANY PROPOSED LAND CLEARING/LAND DISTURBING ACTIVITIES, INCLUDING THE PLACEMENT OF FILL/FILL MATERIALS, GRADING, EXCAVATING, ETC. SHALL NOT OCCUR UNTIL SUCH TIME AS APPROPRIATE PERMITS ARE ISSUED FOR SUCH SITE WORK. ALL SITE WORK SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO INITIATION OF SITE WORK.

EXISTING WATER SERVICE NOTE:

CUT AND CAP EXISTING WATER SERVICE AT THE MAIN. THE EXISTING WATER SERVICE LINE FROM POTABLE METER TO BUILDING TO BE DEMOLISHED AND METER TO BE REMOVED BY ECUA STAFF

TREE CHART/REMOVAL TABLE

TREE ID #	COMMON NAME	SCIENTIFIC NAME	DBH (INCHES)	REASON FOR REMOVAL
T-1	LIVE OAK	QUERCUS VIRGINIANA	44.0	TO REMAIN

GRAPHIC SCALE

22"x34" SCALE 1 inch = 10 ft.

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LEGEND:

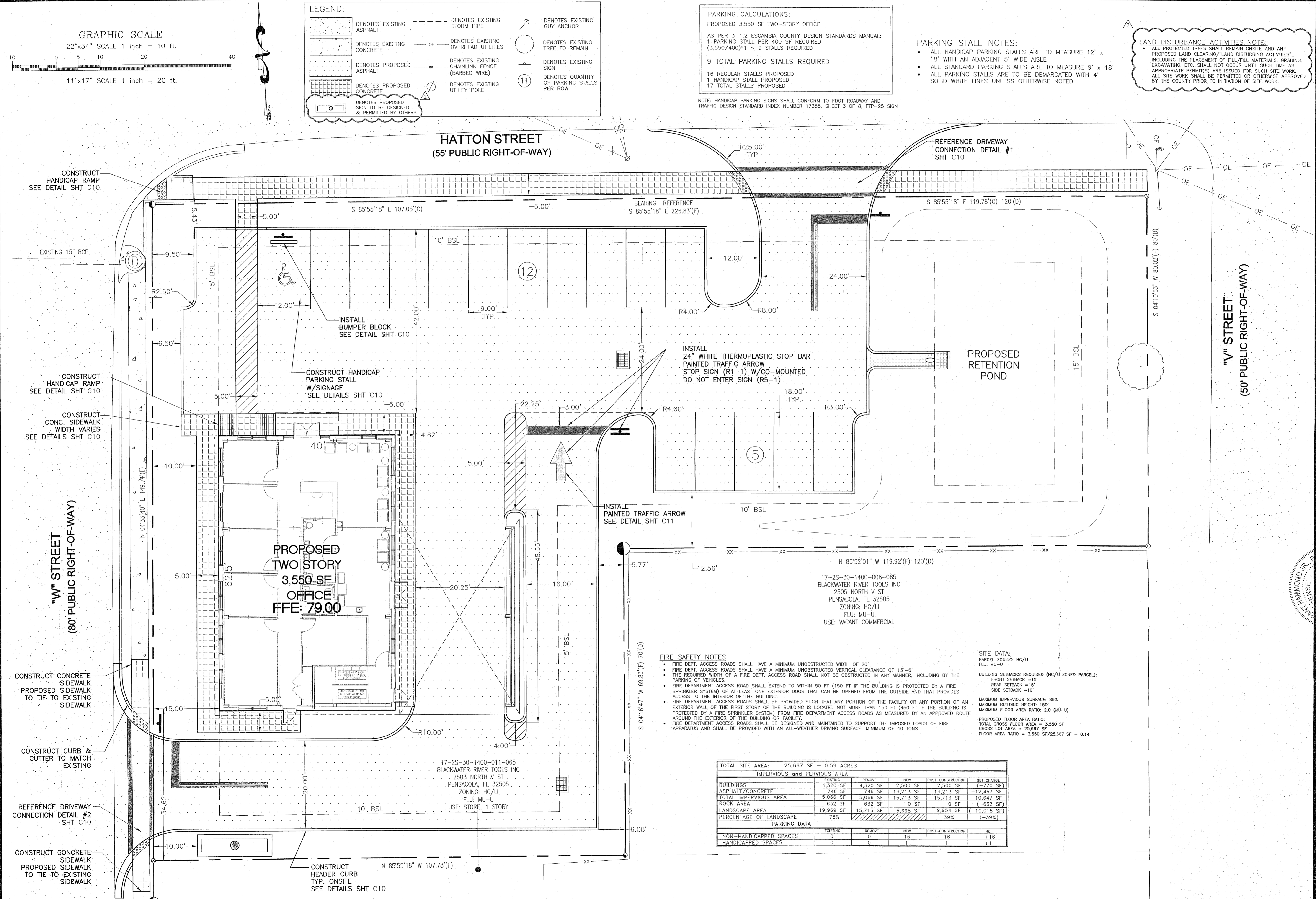
	DENOTES EXISTING ASPHALT		DENOTES EXISTING STORM PIPE		DENOTES EXISTING GUY ANCHOR
	DENOTES EXISTING CONCRETE		DENOTES EXISTING OVERHEAD UTILITIES		DENOTES EXISTING TREE TO REMAIN
	DENOTES PROPOSED ASPHALT		DENOTES EXISTING CHAINLINK FENCE (BARBED WIRE)		DENOTES EXISTING SIGN
	DENOTES PROPOSED CONCRETE		DENOTES EXISTING UTILITY POLE		DENOTES QUANTITY OF PARKING STALLS PER ROW
	DENOTES PROPOSED SIGN TO BE DESIGNED & PERMITTED BY OTHERS				

PARKING CALCULATIONS:
 PROPOSED 3,550 SF TWO-STORY OFFICE
 AS PER 3-1.2 ESCAMBIA COUNTY DESIGN STANDARDS MANUAL:
 1 PARKING STALL PER 400 SF REQUIRED
 (3,550/400)*1 ~ 9 STALLS REQUIRED
9 TOTAL PARKING STALLS REQUIRED
 16 REGULAR STALLS PROPOSED
 1 HANDICAP STALL PROPOSED
 17 TOTAL STALLS PROPOSED

NOTE: HANDICAP PARKING SIGNS SHALL CONFORM TO FDOT ROADWAY AND TRAFFIC DESIGN STANDARD INDEX NUMBER 17355, SHEET 3 OF 8, FIP-25 SIGN

- PARKING STALL NOTES:**
- ALL HANDICAP PARKING STALLS ARE TO MEASURE 12' x 18' WITH AN ADJACENT 5' WIDE AISLE.
 - ALL STANDARD PARKING STALLS ARE TO MEASURE 9' x 18'.
 - ALL PARKING STALLS ARE TO BE DEMARCATED WITH 4" SOLID WHITE LINES UNLESS OTHERWISE NOTED.

LAND DISTURBANCE ACTIVITIES NOTE:
 ALL PROTECTED TREES SHALL REMAIN ONSITE AND ANY PROPOSED LAND CLEARING/LAND DISTURBING ACTIVITIES, INCLUDING THE PLACEMENT OF FILL/FILL MATERIALS, GRADING, EXCAVATING, ETC. SHALL NOT OCCUR UNTIL SUCH TIME AS APPROPRIATE PERMIT(S) ARE ISSUED FOR SUCH SITE WORK. ALL SITE WORK SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO INITIATION OF SITE WORK.



- FIRE SAFETY NOTES:**
- FIRE DEPT. ACCESS ROADS SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF 20'
 - FIRE DEPT. ACCESS ROADS SHALL HAVE A MINIMUM UNOBSTRUCTED VERTICAL CLEARANCE OF 13'-6"
 - THE REQUIRED WIDTH OF A FIRE DEPT. ACCESS ROAD SHALL NOT BE OBSTRUCTED IN ANY MANNER, INCLUDING BY THE PARKING OF VEHICLES.
 - FIRE DEPARTMENT ACCESS ROAD SHALL EXTEND TO WITHIN 50 FT (150 FT IF THE BUILDING IS PROTECTED BY A FIRE SPRINKLER SYSTEM) OF AT LEAST ONE EXTERIOR DOOR THAT CAN BE OPENED FROM THE OUTSIDE AND THAT PROVIDES ACCESS TO THE INTERIOR OF THE BUILDING.
 - FIRE DEPARTMENT ACCESS ROADS SHALL BE PROVIDED SUCH THAT ANY PORTION OF THE FACILITY OR ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY OF THE BUILDING IS LOCATED NOT MORE THAN 150 FT (450 FT IF THE BUILDING IS PROTECTED BY A FIRE SPRINKLER SYSTEM) FROM FIRE DEPARTMENT ACCESS ROADS AS MEASURED BY AN APPROVED ROUTE AROUND THE EXTERIOR OF THE BUILDING OR FACILITY.
 - FIRE DEPARTMENT ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS AND SHALL BE PROVIDED WITH AN ALL-WEATHER DRIVING SURFACE. MINIMUM OF 40 TONS

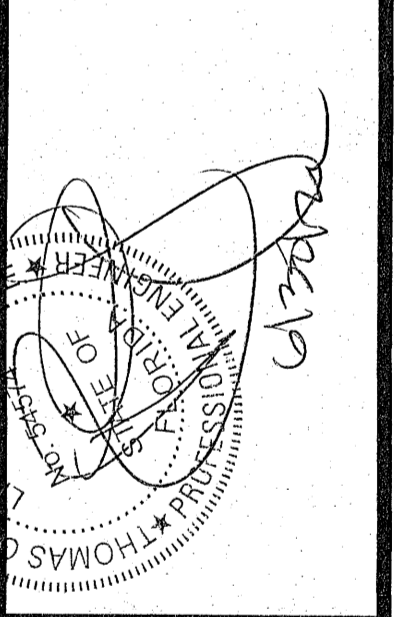
SITE DATA:
 PARCEL ZONING: HC/LI
 FLU: MU-U
 BUILDING SETBACKS REQUIRED (HC/LI ZONED PARCEL):
 FRONT SETBACK = 15'
 REAR SETBACK = 15'
 SIDE SETBACK = 10'
 MAXIMUM IMPERVIOUS SURFACE: 85%
 MAXIMUM BUILDING HEIGHT: 150'
 MAXIMUM FLOOR AREA RATIO: 2.0 (MU-U)
 PROPOSED FLOOR AREA RATIO:
 TOTAL GROSS FLOOR AREA = 3,550 SF
 GROSS LOT AREA = 25,667 SF
 FLOOR AREA RATIO = 3,550 SF/25,667 SF = 0.14

TOTAL SITE AREA:	25,667 SF - 0.59 ACRES				
IMPERVIOUS and PERVIOUS AREA					
	EXISTING	REMOVE	NEW	POST-CONSTRUCTION	NET CHANGE
BUILDINGS	4,320 SF	4,320 SF	2,500 SF	2,500 SF	(-770 SF)
ASPHALT/CONCRETE	746 SF	746 SF	13,213 SF	13,213 SF	+12,467 SF
TOTAL IMPERVIOUS AREA	5,066 SF	5,066 SF	15,713 SF	15,713 SF	+10,647 SF
ROCK AREA	632 SF	632 SF	0 SF	0 SF	(-632 SF)
LANDSCAPE AREA	19,969 SF	15,713 SF	5,698 SF	9,954 SF	(-10,015 SF)
PERCENTAGE OF LANDSCAPE	78%			39%	(-39%)
PARKING DATA					
	EXISTING	REMOVE	NEW	POST-CONSTRUCTION	NET
NON-HANDICAPPED SPACES	0	0	16	16	+16
HANDICAPPED SPACES	0	0	1	1	+1

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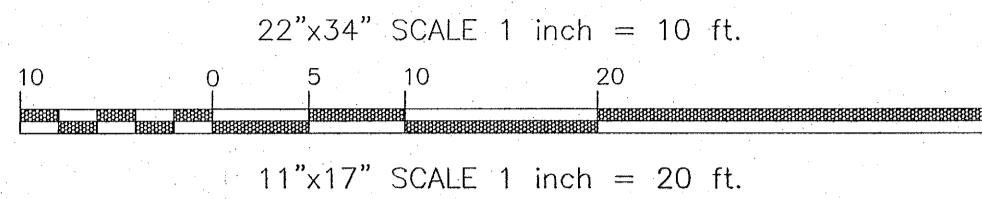
SITE DEVELOPMENT PLANS FOR GROSS AND SON CUSTOMER SERVICE BUILDING

SITE PLAN

FLORIDA
 ESCAMBIA COUNTY

DRAWN BY: CUG
 DESIGNED BY: RLS
 CHECKED BY: TGH
 DATE: 05-12-22
 SCALE: AS SHOWN
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GRAPHIC SCALE



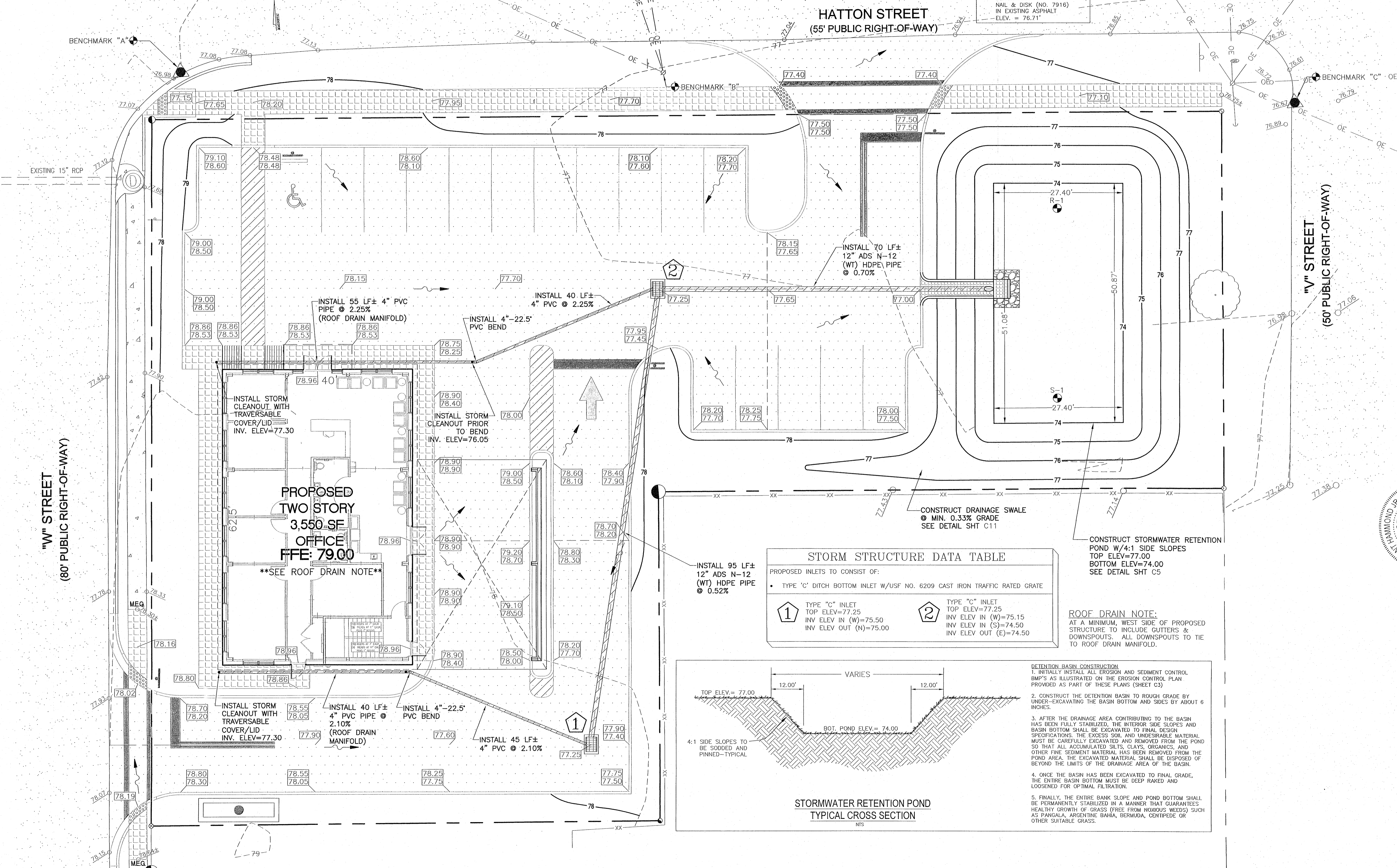
LEGEND:

	DENOTES EXISTING ASPHALT		DENOTES PROPOSED CONCRETE		DENOTES EXISTING SIGN		DENOTES PROPOSED DUAL SPOT ELEVATION		DENOTES PROPOSED CONTOUR
	DENOTES EXISTING CONCRETE		DENOTES PROPOSED SIGN TO BE DESIGNED & PERMITTED BY OTHERS		DENOTES EXISTING UTILITY POLE		DENOTES PROPOSED SPOT ELEVATION		DENOTES EXISTING CONTOUR
	DENOTES PROPOSED ASPHALT		DENOTES EXISTING STORM PIPE		DENOTES EXISTING OVERHEAD UTILITIES		M.E.G. DENOTES EXISTING GRADE		DENOTES BENCHMARK LOCATION
			DENOTES EXISTING CHAINLINK FENCE (BARBED WIRE)		DENOTES EXISTING TREE TO REMAIN		DENOTES PROPOSED STORM PIPE		DENOTES BENCHMARK LOCATION
					DENOTES EXISTING SPOT ELEVATION				DENOTES SOIL BORING LOCATION

BENCHMARKS

BENCHMARK "A"	NAIL & DISK (NO. 7916) IN EXISTING ASPHALT ELEV. = 77.04'
BENCHMARK "B"	500 MAIL WITH ESCAMBIA COUNTY REFERENCE POINT SET IN N SIDE OF WOOD UTILITY POLE ELEV. = 78.10'
BENCHMARK "C"	NAIL & DISK (NO. 7916) IN EXISTING ASPHALT ELEV. = 76.71'

LAND DISTURBANCE ACTIVITIES NOTE:
 ALL PROTECTED TREES SHALL REMAIN ON-SITE AND ANY PROPOSED LAND CLEARING/LAND DISTURBING ACTIVITIES, INCLUDING THE PLACEMENT OF FILL/FILL MATERIALS, GRADING, EXCAVATING, ETC. SHALL NOT OCCUR UNTIL SUCH TIME AS APPROPRIATE PERMIT(S) ARE ISSUED FOR SUCH SITE WORK. ALL SITE WORK SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO INITIATION OF SITE WORK.



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SITE DEVELOPMENT PLANS FOR GROSS AND SON CUSTOMER SERVICE BUILDING GRADING & DRAINAGE PLAN

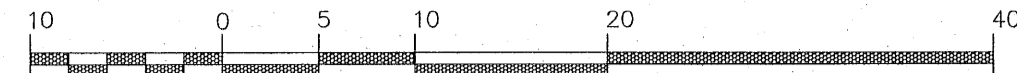
ESCAMBIA COUNTY FLORIDA

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PROJECT NO: 21-039
 SHEET: **C5**

GRAPHIC SCALE

22"x34" SCALE 1 inch = 10 ft.



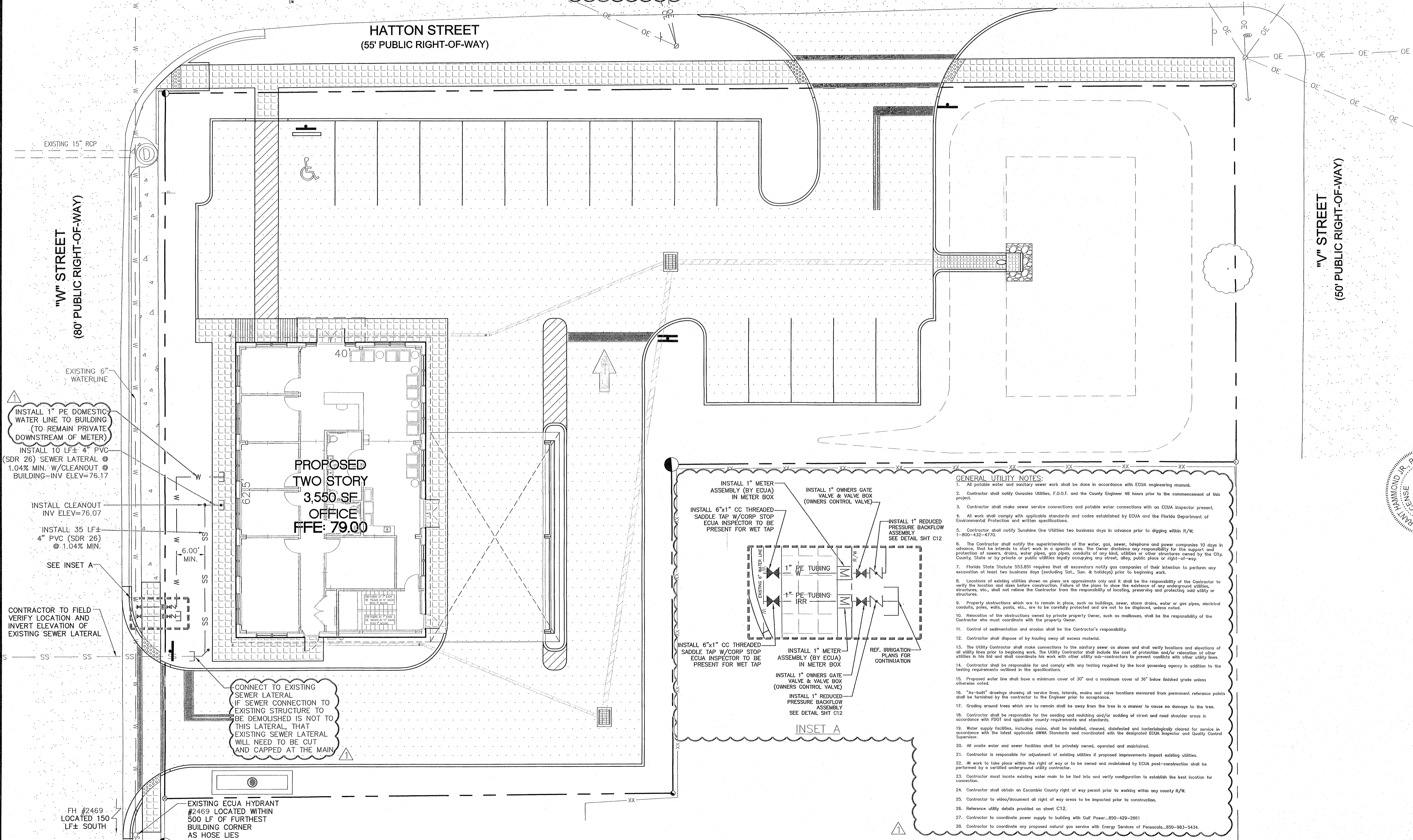
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	DENOTES EXISTING CONCRETE		DENOTES EXISTING WATER LINE		DENOTES EXISTING GUY ANCHOR
	DENOTES PROPOSED ASPHALT		DENOTES PROPOSED IRRIGATION LINE		DENOTES EXISTING TREE TO REMAIN
	DENOTES PROPOSED CONCRETE		DENOTES PROPOSED WATER LINE		DENOTES EXISTING SIGN
	DENOTES EXISTING STORM PIPE		DENOTES PROPOSED SANITARY SEWER LINE		DENOTES EXISTING FIRE HYDRANT
					DENOTES PROPOSED SIGN TO BE DESIGNED & PERMITTED BY OTHERS

EXISTING WATER SERVICE NOTE:
CUT AND CAP EXISTING WATER SERVICE AT THE MAIN. THE EXISTING WATER SERVICE LINE FROM POTABLE METER TO BUILDING TO BE DEMOLISHED AND METER TO BE REMOVED BY ECUA STAFF

LAND DISTURBANCE ACTIVITIES NOTE:
ALL PROTECTED TREES SHALL REMAIN ONSITE AND ANY PROPOSED LAND CLEARING ("LAND DISTURBING ACTIVITIES", INCLUDING THE PLACEMENT OF FILL/FILL MATERIALS, GRADING, EXCAVATING, ETC.) SHALL NOT OCCUR UNTIL SUCH TIME AS APPROPRIATE PERMIT(S) ARE ISSUED FOR SUCH SITE WORK. ALL SITE WORK SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO INITIATION OF SITE WORK.



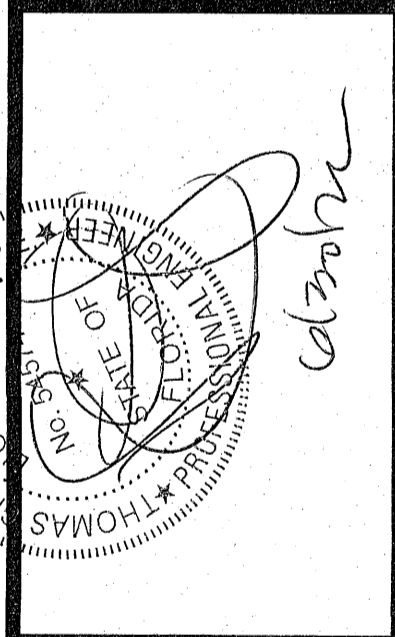
- GENERAL UTILITY NOTES:**
- All potable water and sanitary sewer work shall be done in accordance with ECUA engineering manual.
 - Contractor shall notify Gaines Utilities, F.D.O.T. and the County Engineer 48 hours prior to the commencement of this project.
 - Contractor shall make sewer service connections and potable water connections with an ECUA inspector present.
 - All work shall comply with applicable standards and codes established by ECUA and the Florida Department of Environmental Protection and written specifications.
 - Contractor shall notify Sunshine One Utilities two business days in advance prior to digging within R/W, 1-800-432-4770.
 - The Contractor shall notify the superintendents of the water, gas, sewer, telephone and power companies 10 days in advance, that he intends to start work in a specific area. The Owner disclaims any responsibility for the support and protection of sewers, drains, water pipes, gas pipes, conduits of any kind, utilities or other structures owned by the City, County, State or by private or public utilities legally occupying any street, alley, public place or right-of-way.
 - Florida State Statute 553.851 requires that all excavators notify gas companies of their intention to perform any excavation at least two business days (excluding Sat., Sun. & holidays) prior to beginning work.
 - Locations of existing utilities shown on plans are approximate only and it shall be the responsibility of the Contractor to verify the location and sizes before construction. Failure of the plans to show the existence of any underground utilities, structures, etc., shall not relieve the Contractor from the responsibility of locating, preserving and protecting said utility or structures.
 - Properly obstructions which are to remain in place, such as buildings, sewer, storm drains, water or gas pipes, electrical conduits, poles, walls, posts, etc., are to be carefully protected and are not to be displaced, unless noted.
 - Relocation of the obstructions owned by private property Owner, such as mailboxes, shall be the responsibility of the Contractor who must coordinate with the property Owner.
 - Control of sedimentation and erosion shall be the Contractor's responsibility.
 - Contractor shall dispose of by hauling away all excess material.
 - The Utility Contractor shall make connections to the sanitary sewer as shown and shall verify locations and elevations of all utility lines prior to beginning work. The Utility Contractor shall include the cost of protection and/or relocation of other utilities in his bid and shall coordinate his work with other utility sub-contractors to prevent conflicts with other utility lines.
 - Contractor shall be responsible for and comply with any testing required by the local governing agency in addition to the testing requirements outlined in the specifications.
 - Proposed water line shall have a minimum cover of 30" and a maximum cover of 36" below finished grade unless otherwise noted.
 - "As-built" drawings showing all service lines, laterals, mains and valve locations measured from permanent reference points shall be furnished by the contractor to the Engineer prior to acceptance.
 - Grading around trees which are to remain shall be away from the tree in a manner to cause no damage to the tree.
 - Contractor shall be responsible for the seeding and mulching and/or sodding of street and road shoulder areas in accordance with FDOT and applicable county requirements and standards.
 - Water supply facilities, including mains, shall be installed, cleaned, disinfected and bacteriologically cleared for service in accordance with the latest applicable AWWA Standards and coordinated with the designated ECUA Inspector and Quality Control Supervisor.
 - All onsite water and sewer facilities shall be privately owned, operated and maintained.
 - Contractor is responsible for adjustment of existing utilities if proposed improvements impact existing utilities.
 - All work to take place within the right of way or to be owned and maintained by ECUA post-construction shall be performed by a certified underground utility contractor.
 - Contractor must locate existing water main to be tied into and verify configuration to establish the best location for connection.
 - Contractor shall obtain an Escambia County right of way permit prior to working within any county R/W.
 - Contractor to video/document all right of way areas to be impacted prior to construction.
 - Reference utility details provided on sheet C12.
 - Contractor to coordinate power supply to building with Gulf Power...850-429-2961
 - Contractor to coordinate any proposed natural gas service with Energy Services of Pensacola...850-983-5434.

REVISIONS

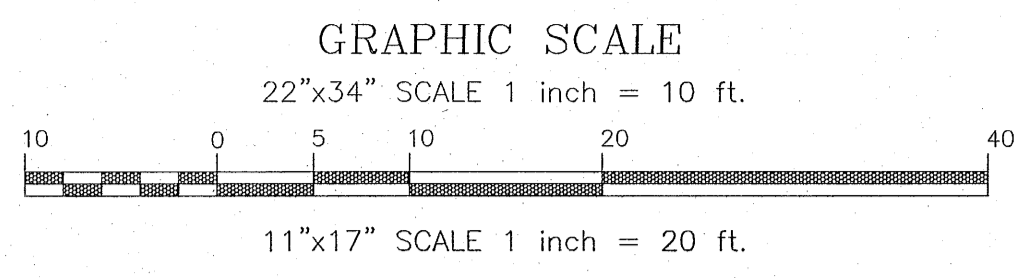
NO.	DATE	REVISIONS
1	06/21/22	REVISED PLANS AS PER ECUA INITIAL REVIEW COMMENTS
2	06/22/22	REVISED PLANS AS PER ESCAMBIA COUNTY INITIAL REVIEW COMMENTS

HE

HAMMOND ENGINEERING, INC.
FLORIDA AUTHORIZATION NO. 9130
ALABAMA AUTHORIZATION NO. 3277
3802 NORTH "S" STREET
PENSACOLA, FLORIDA 32505
850 434-2603
FAX 850-434-2650
TOM@SELANDESIGN.COM



SITE DEVELOPMENT PLANS FOR GROSS AND SON CUSTOMER SERVICE BUILDING	UTILITY PLAN
DESIGNED BY: CUG	DATE:
CHECKED BY: TGH	NOT RELEASED FOR CONSTRUCTION
DATE: 05-12-22	BY:
SCALE: AS SHOWN	PROJECT NO: 21-039
PROJECT NO: 21-039	SHEET: C6



LEGEND:

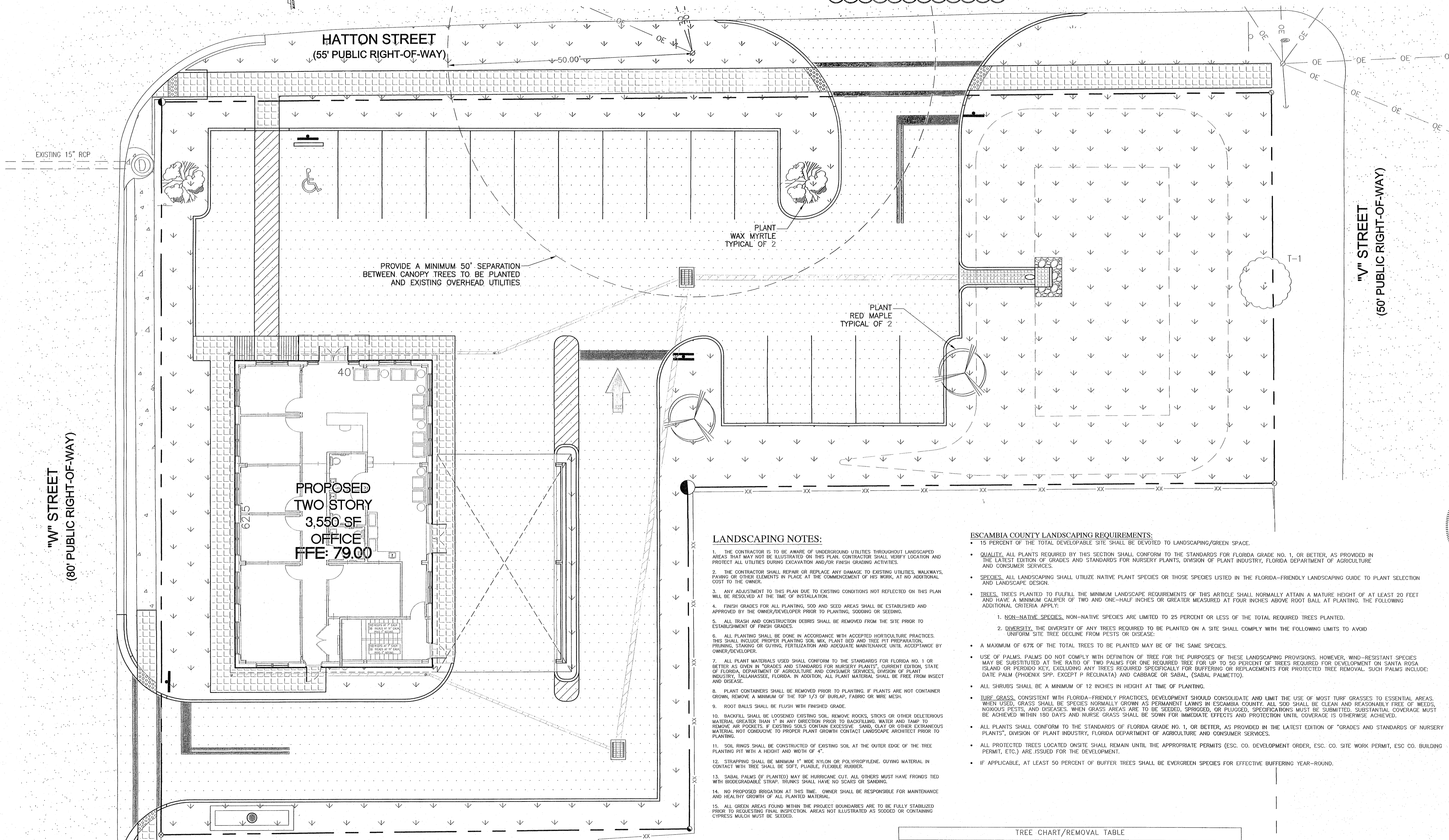
	DENOTES EXISTING ASPHALT		DENOTES PROPOSED SOD (BAHAI RECOMMENDED)		DENOTES EXISTING UTILITY POLE		DENOTES RED MAPLE CANOPY TREE TO BE PLANTED (OR APPROVED EQUAL) TYPICAL OF 2
	DENOTES EXISTING CONCRETE		DENOTES EXISTING STORM PIPE		DENOTES EXISTING GUY ANCHOR		DENOTES WAX MYRTLE UNDERSTORY TREE TO BE PLANTED (OR APPROVED EQUAL) TYPICAL OF 2
	DENOTES PROPOSED ASPHALT		DENOTES EXISTING OVERHEAD UTILITIES		DENOTES EXISTING SIGN		DENOTES PROPOSED SIGN TO BE DESIGNED & PERMITTED BY OTHERS
	DENOTES PROPOSED CONCRETE		DENOTES EXISTING CHAINLINK FENCE (BARBED WIRE)		DENOTES EXISTING TREE TO REMAIN		

REQUIRED MITIGATION:
 NO PROTECTED TREES TO BE REMOVED AS PART OF THIS DEVELOPMENT. NO MITIGATION REQUIRED.

LAND DISTURBANCE ACTIVITIES NOTE:
 ALL PROJECTED TREES SHALL REMAIN ON-SITE AND ANY PROPOSED LAND CLEARING/LAND DISTURBING ACTIVITIES, INCLUDING THE PLACEMENT OF FILL/FILL MATERIALS, GRADING, EXCAVATING, ETC. SHALL NOT OCCUR UNTIL SUCH TIME AS APPROPRIATE PERMIT(S) ARE ISSUED FOR SUCH SITE WORK. ALL SITE WORK SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO INITIATION OF SITE WORK.

REQUIRED LANDSCAPE PLANTING DATA

WEST BOUNDARY LINE: NO BUFFER REQUIRED, W STREET RIGHT OF WAY. PROVIDE 5' LANDSCAPE STRIP CH. 2, ART. 2, 2-2.3(e) DESIGN STANDARDS MANUAL.	EAST BOUNDARY LINE: NO BUFFER REQUIRED, V STREET RIGHT OF WAY AND ADJACENT PROPERTY. PROVIDE 5' LANDSCAPE STRIP CH. 2, ART. 2, 2-2.3(e) DESIGN STANDARDS MANUAL.	REQUIRED MITIGATION: NO PROTECTED TREES TO BE REMOVED AS PART OF THIS PROJECT. NO MITIGATION REQUIRED.
SOUTH BOUNDARY LINE: NO BUFFER REQUIRED. ADJACENT PROPERTY HAS COMMERCIAL USE. PROVIDE 5' LANDSCAPING STRIP AS PER CH. 2, ART. 2, SEC. 2-2.3(e) DESIGN STANDARDS MANUAL.	NORTH BOUNDARY LINE: NO BUFFER REQUIRED. HATTON STREET RIGHT OF WAY. PROVIDE 5' LANDSCAPE STRIP CH. 2, ART. 2, 2-2.3(e) DESIGN STANDARDS MANUAL.	INTERIOR PLANTING AREAS: PLANT ONE (1) CANOPY TREE AT TERMINUS OF PARKING ROWS AS PER CH. 2, ART. 2, SEC. 2-2.2(c) DESIGN STANDARDS MANUAL. PLANT TWO (2) CANOPY TREES AND TWO (2) UNDERSTORY TREES DUE TO PROXIMITY OF EXISTING OVERHEAD UTILITY LINES.



LANDSCAPING NOTES:

- THE CONTRACTOR IS TO BE AWARE OF UNDERGROUND UTILITIES THROUGHOUT LANDSCAPED AREAS THAT MAY NOT BE ILLUSTRATED ON THIS PLAN. CONTRACTOR SHALL VERIFY LOCATION AND PROTECT ALL UTILITIES DURING EXCAVATION AND/OR FINISH GRADING ACTIVITIES.
- THE CONTRACTOR SHALL REPAIR OR REPLACE ANY DAMAGE TO EXISTING UTILITIES, WALKWAYS, PAVING OR OTHER ELEMENTS IN PLACE AT THE COMMENCEMENT OF HIS WORK, AT NO ADDITIONAL COST TO THE OWNER.
- ANY ADJUSTMENT TO THIS PLAN DUE TO EXISTING CONDITIONS NOT REFLECTED ON THIS PLAN WILL BE RESOLVED AT THE TIME OF INSTALLATION.
- FINISH GRADES FOR ALL PLANTING, SOD AND SEED AREAS SHALL BE ESTABLISHED AND APPROVED BY THE OWNER/DEVELOPER PRIOR TO PLANTING, SODDING OR SEEDING.
- ALL TRASH AND CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SITE PRIOR TO ESTABLISHMENT OF FINISH GRADES.
- ALL PLANTING SHALL BE DONE IN ACCORDANCE WITH ACCEPTED HORTICULTURE PRACTICES. THIS SHALL INCLUDE PROPER PLANTING SOIL MIX, PLANT BED AND TREE PIT PREPARATION, PRUNING, STAKING OR CUYING, FERTILIZATION AND ADEQUATE MAINTENANCE UNTIL ACCEPTANCE BY OWNER/DEVELOPER.
- ALL PLANT MATERIALS USED SHALL CONFORM TO THE STANDARDS FOR FLORIDA NO. 1 OR BETTER AS GIVEN IN "GRADES AND STANDARDS FOR NURSERY PLANTS", CURRENT EDITION, STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, DIVISION OF PLANT INDUSTRY, TALLAHASSEE, FLORIDA. IN ADDITION, ALL PLANT MATERIAL SHALL BE FREE FROM INSECT AND DISEASE.
- PLANT CONTAINERS SHALL BE REMOVED PRIOR TO PLANTING. IF PLANTS ARE NOT CONTAINER GROWN, REMOVE A MINIMUM OF THE TOP 1/3 OF BURLAP, FABRIC OR WIRE MESH.
- ROOT BALLS SHALL BE FLUSH WITH FINISHED GRADE.
- BACKFILL SHALL BE LOOSENED EXISTING SOIL. REMOVE ROCKS, STICKS OR OTHER DELETERIOUS MATERIAL GREATER THAN 1" IN ANY DIRECTION PRIOR TO BACKFILLING. WATER AND TAMP TO REMOVE AIR POCKETS. IF EXISTING SOILS CONTAIN EXCESSIVE SAND, CLAY OR OTHER EXTRANEIOUS MATERIAL, NOT CONDUCTIVE TO PROPER PLANT GROWTH CONTACT LANDSCAPE ARCHITECT PRIOR TO PLANTING.
- SOIL RINGS SHALL BE CONSTRUCTED OF EXISTING SOIL AT THE OUTER EDGE OF THE TREE PLANTING PIT WITH A HEIGHT AND WIDTH OF 4".
- STRAPPING SHALL BE MINIMUM 1" WIDE NYLON OR POLYPROPYLENE. CUYING MATERIAL IN CONTACT WITH TREE SHALL BE SOFT, PLIABLE, FLEXIBLE RUBBER.
- SABAL PALMS (IF PLANTED) MAY BE HURRICANE CUT. ALL OTHERS MUST HAVE FRONDS TIED WITH BIODEGRADABLE STRAP. TRUNKS SHALL HAVE NO SCARS OR SANDING.
- NO PROPOSED IRRIGATION AT THIS TIME. OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE AND HEALTHY GROWTH OF ALL PLANTED MATERIAL.
- ALL GREEN AREAS FOUND WITHIN THE PROJECT BOUNDARIES ARE TO BE FULLY STABILIZED PRIOR TO REQUESTING FINAL INSPECTION. AREAS NOT ILLUSTRATED AS SODDED OR CONTAINING CYPRESS MULCH MUST BE SEEDS.

ESCAMBIA COUNTY LANDSCAPING REQUIREMENTS:

- 15 PERCENT OF THE TOTAL DEVELOPABLE SITE SHALL BE DEVOTED TO LANDSCAPING/GREEN SPACE.
- QUALITY:** ALL PLANTS REQUIRED BY THIS SECTION SHALL CONFORM TO THE STANDARDS FOR FLORIDA GRADE NO. 1, OR BETTER, AS PROVIDED IN THE LATEST EDITION OF GRADES AND STANDARDS FOR NURSERY PLANTS, DIVISION OF PLANT INDUSTRY, FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.
- SPECIES:** ALL LANDSCAPING SHALL UTILIZE NATIVE PLANT SPECIES OR THOSE SPECIES LISTED IN THE FLORIDA-FRIENDLY LANDSCAPING GUIDE TO PLANT SELECTION AND LANDSCAPE DESIGN.
- TREES:** TREES PLANTED TO FULFILL THE MINIMUM LANDSCAPE REQUIREMENTS OF THIS ARTICLE SHALL NORMALLY ATTAIN A MATURE HEIGHT OF AT LEAST 20 FEET AND HAVE A MINIMUM CALIPER OF TWO AND ONE-HALF INCHES OR GREATER MEASURED AT FOUR INCHES ABOVE ROOT BALL AT PLANTING. THE FOLLOWING ADDITIONAL CRITERIA APPLY:
 - NON-NATIVE SPECIES:** NON-NATIVE SPECIES ARE LIMITED TO 25 PERCENT OR LESS OF THE TOTAL REQUIRED TREES PLANTED.
 - DIVERSITY:** THE DIVERSITY OF ANY TREES REQUIRED TO BE PLANTED ON A SITE SHALL COMPLY WITH THE FOLLOWING LIMITS TO AVOID UNIFORM SITE TREE DECLINE FROM PESTS OR DISEASE:
 - A MAXIMUM OF 67% OF THE TOTAL TREES TO BE PLANTED MAY BE OF THE SAME SPECIES.
 - USE OF PALMS: PALMS DO NOT COMPLY WITH DEFINITION OF TREE FOR THE PURPOSES OF THESE LANDSCAPING PROVISIONS. HOWEVER, WIND-RESISTANT SPECIES MAY BE SUBSTITUTED AT THE RATIO OF TWO PALMS FOR ONE REQUIRED TREE FOR UP TO 50 PERCENT OF TREES REQUIRED FOR DEVELOPMENT ON SANTA ROSA ISLAND OR PERDIDO KEY, EXCLUDING ANY TREES REQUIRED SPECIFICALLY FOR BUFFERING OR REPLACEMENTS FOR PROTECTED TREE REMOVAL. SUCH PALMS INCLUDE: DATE PALM (PHOENIX SPP. EXCEPT P. RECLINATA) AND CABBAGE OR SABAL. (SABAL PALMETTO).
- ALL SHRUBS SHALL BE A MINIMUM OF 12 INCHES IN HEIGHT AT TIME OF PLANTING.
- TURF GRASS:** CONSISTENT WITH FLORIDA-FRIENDLY PRACTICES, DEVELOPMENT SHOULD CONSOLIDATE AND LIMIT THE USE OF MOST TURF GRASSES TO ESSENTIAL AREAS. WHEN USED, GRASS SHALL BE SPECIES NORMALLY GROWN AS PERMANENT LAWNS IN ESCAMBIA COUNTY. ALL SOD SHALL BE CLEAN AND REASONABLY FREE OF WEEDS, NOXIOUS PESTS, AND DISEASES. WHEN GRASS AREAS ARE TO BE SEEDS, SPRIGGED, OR PLUGGED, SPECIFICATIONS MUST BE SUBMITTED. SUBSTANTIAL COVERAGE MUST BE ACHIEVED WITHIN 180 DAYS AND NURSE GRASS SHALL BE SOWN FOR IMMEDIATE EFFECTS AND PROTECTION UNTIL COVERAGE IS OTHERWISE ACHIEVED.
- ALL PLANTS SHALL CONFORM TO THE STANDARDS OF FLORIDA GRADE NO. 1, OR BETTER, AS PROVIDED IN THE LATEST EDITION OF "GRADES AND STANDARDS OF NURSERY PLANTS", DIVISION OF PLANT INDUSTRY, FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.
- ALL PROTECTED TREES LOCATED ON-SITE SHALL REMAIN UNTIL THE APPROPRIATE PERMITS (ESC. CO. DEVELOPMENT ORDER, ESC. CO. SITE WORK PERMIT, ESC CO. BUILDING PERMIT, ETC.) ARE ISSUED FOR THE DEVELOPMENT.
- IF APPLICABLE, AT LEAST 50 PERCENT OF BUFFER TREES SHALL BE EVERGREEN SPECIES FOR EFFECTIVE BUFFERING YEAR-ROUND.

TREE CHART/REMOVAL TABLE

TREE ID #	COMMON NAME	SCIENTIFIC NAME	DBH (INCHES)	REASON FOR REMOVAL	CALIPER INCHES MITIGATION REQUIRED
T-1	LIVE OAK	QUERCUS VIRGINIANA	44.0	TO REMAIN	N/A
TOTAL PROTECTED CALIPER INCHES REMOVED = 0"					
TOTAL MITIGATION REQUIRED EXCLUSIVE OF ACREAGE CAP = 0"					

REVISIONS

NO.	DATE	REVISIONS
1	06/21/22	REVISED PLANS AS PER ECVA INITIAL REVIEW COMMENTS
2	06/22/22	REVISED PLANS AS PER ESCAMBIA COUNTY INITIAL REVIEW COMMENTS

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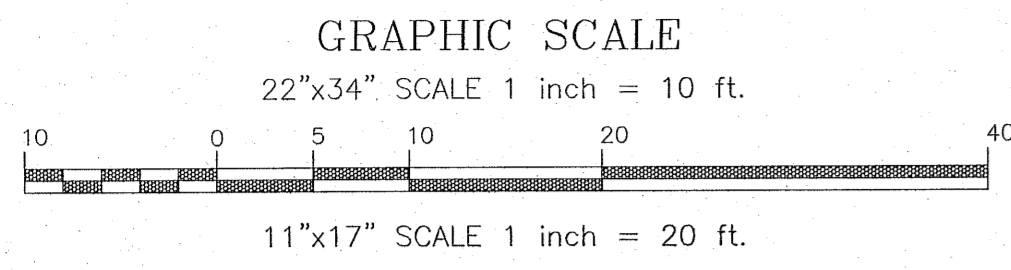
HAMMOND ENGINEERING, INC.
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 ALABAMA AUTHORIZATION NO. 3277
 3802 NORTH "S" STREET
 PENSACOLA, FLORIDA 32505
 850 434-2603
 850 434-2650
 TOM@SELANDESIGN.COM

THOMAS GRANVILLE
 P.E.
 LICENSE NO. 12000
 PROFESSIONAL LANDSCAPE ARCHITECT

SITE DEVELOPMENT PLANS FOR GROSS AND SON CUSTOMER SERVICE BUILDING LANDSCAPING PLAN
 ESCAMBIA COUNTY FLORIDA

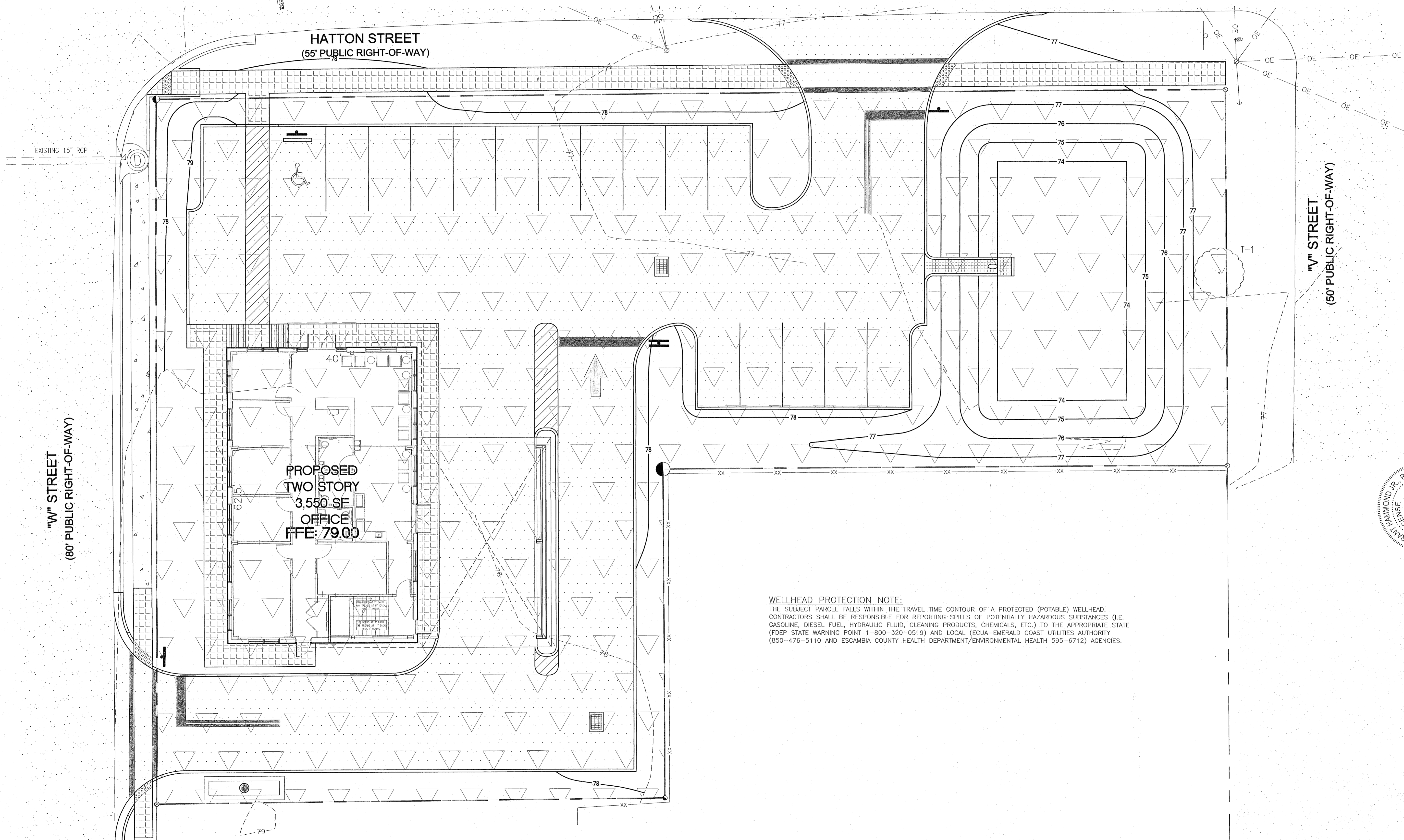
DRAWN BY: CJB
 DESIGNED BY: RLS
 CHECKED BY: TGH
 DATE: 05-12-22
 SCALE: AS SHOWN
 NOT RELEASED FOR CONSTRUCTION
 BY: DATE:

PROJECT NO: 21-039
 SHEET: C7



LEGEND:

	DENOTES EXISTING ASPHALT		DENOTES EXISTING CONCRETE		DENOTES PROPOSED ASPHALT		DENOTES PROPOSED CONCRETE
	DENOTES WELLHEAD PROTECTION AREA, 20 YEAR TRAVEL TIME CONTOUR		DENOTES EXISTING STORM PIPE		DENOTES EXISTING OVERHEAD UTILITIES		DENOTES EXISTING OVERHEAD UTILITIES
	DENOTES EXISTING UTILITY POLE		DENOTES EXISTING GUY ANCHOR		DENOTES EXISTING TREE TO REMAIN		DENOTES EXISTING SIGN
	DENOTES PROPOSED SIGN TO BE DESIGNED & PERMITTED BY OTHERS						



WELLHEAD PROTECTION NOTE:
 THE SUBJECT PARCEL FALLS WITHIN THE TRAVEL TIME CONTOUR OF A PROTECTED (POTABLE) WELLHEAD. CONTRACTORS SHALL BE RESPONSIBLE FOR REPORTING SPILLS OF POTENTIALLY HAZARDOUS SUBSTANCES (I.E. GASOLINE, DIESEL FUEL, HYDRAULIC FLUID, CLEANING PRODUCTS, CHEMICALS, ETC.) TO THE APPROPRIATE STATE (FDEP STATE WARNING POINT 1-800-320-0519) AND LOCAL (ECUA-EMERALD COAST UTILITIES AUTHORITY (850-476-5110 AND ESCAMBIA COUNTY HEALTH DEPARTMENT/ENVIRONMENTAL HEALTH 595-6712) AGENCIES.

REVISIONS

NO.	DATE	REVISIONS
1	06/21/22	REVISED PLANS AS PER ECUA INITIAL REVIEW COMMENTS
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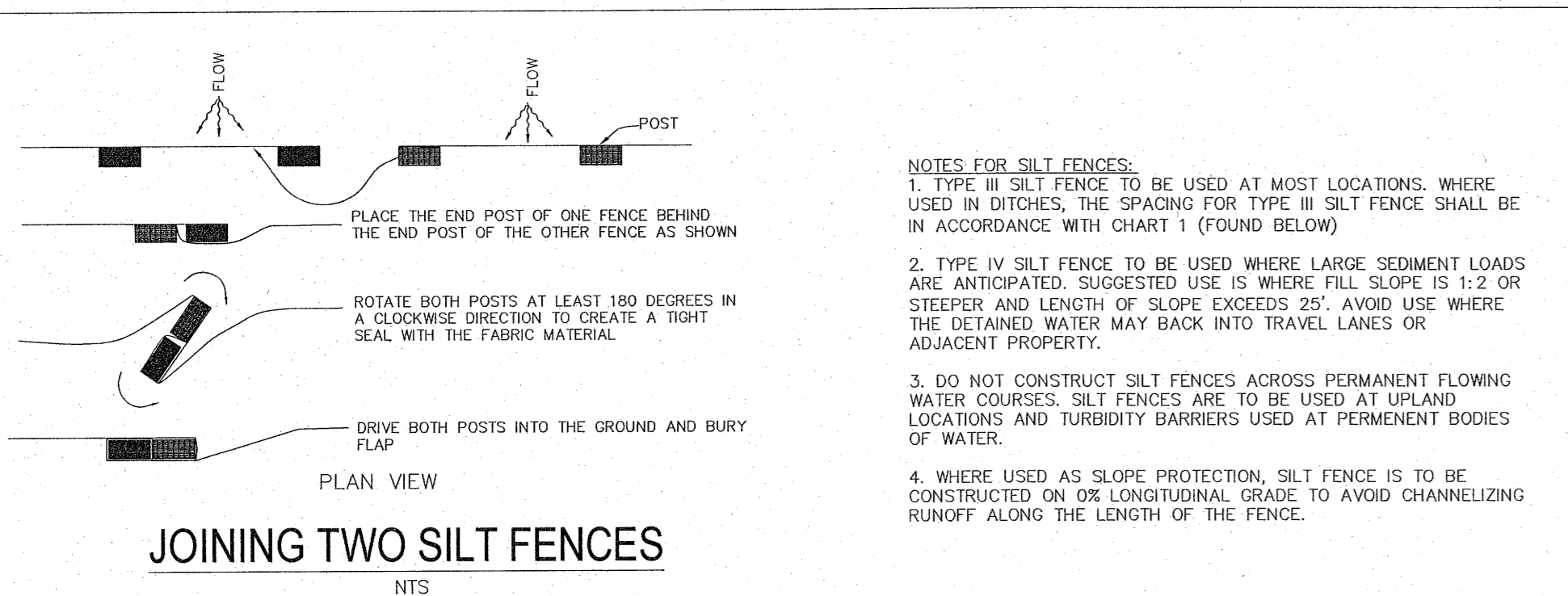
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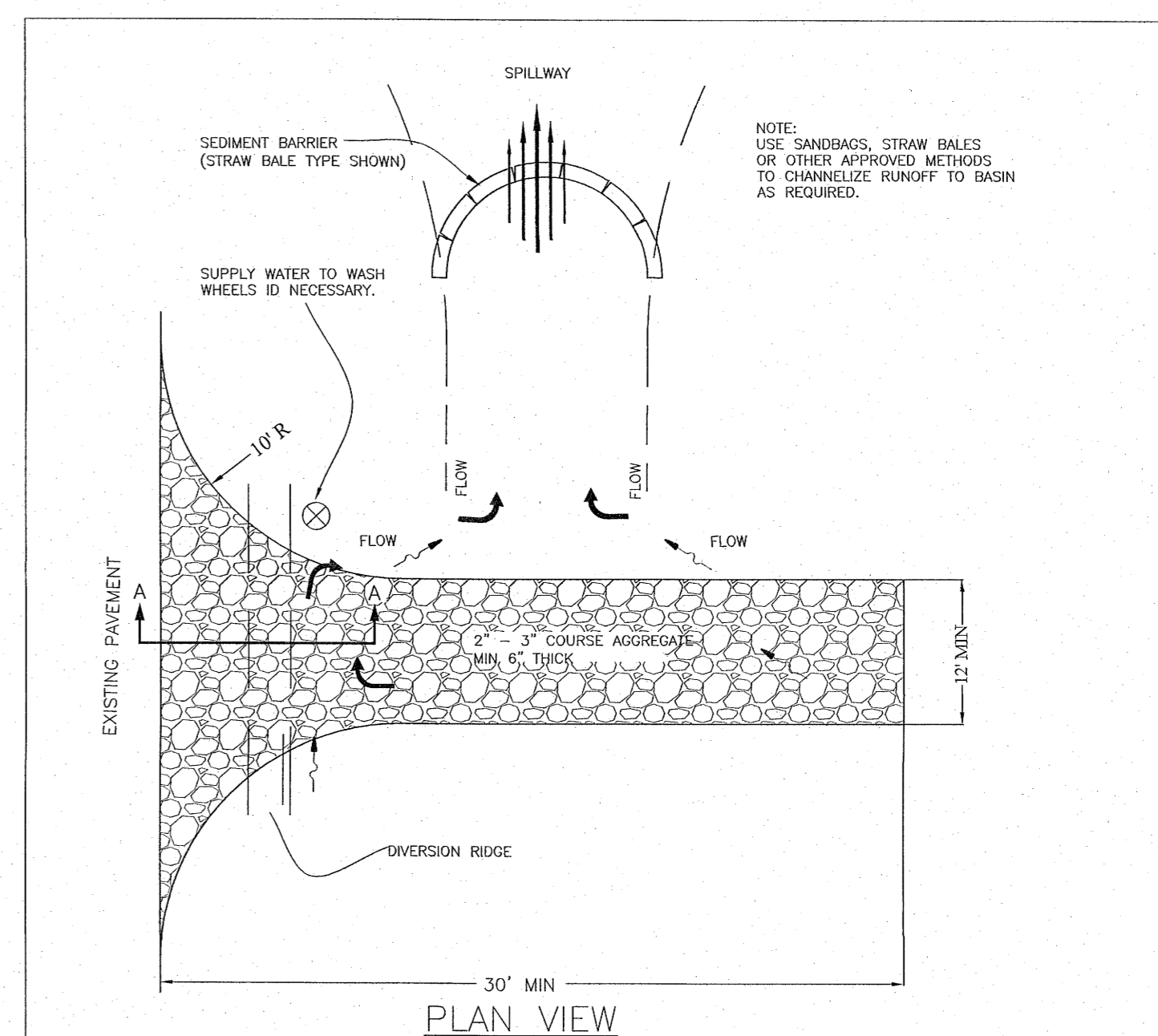
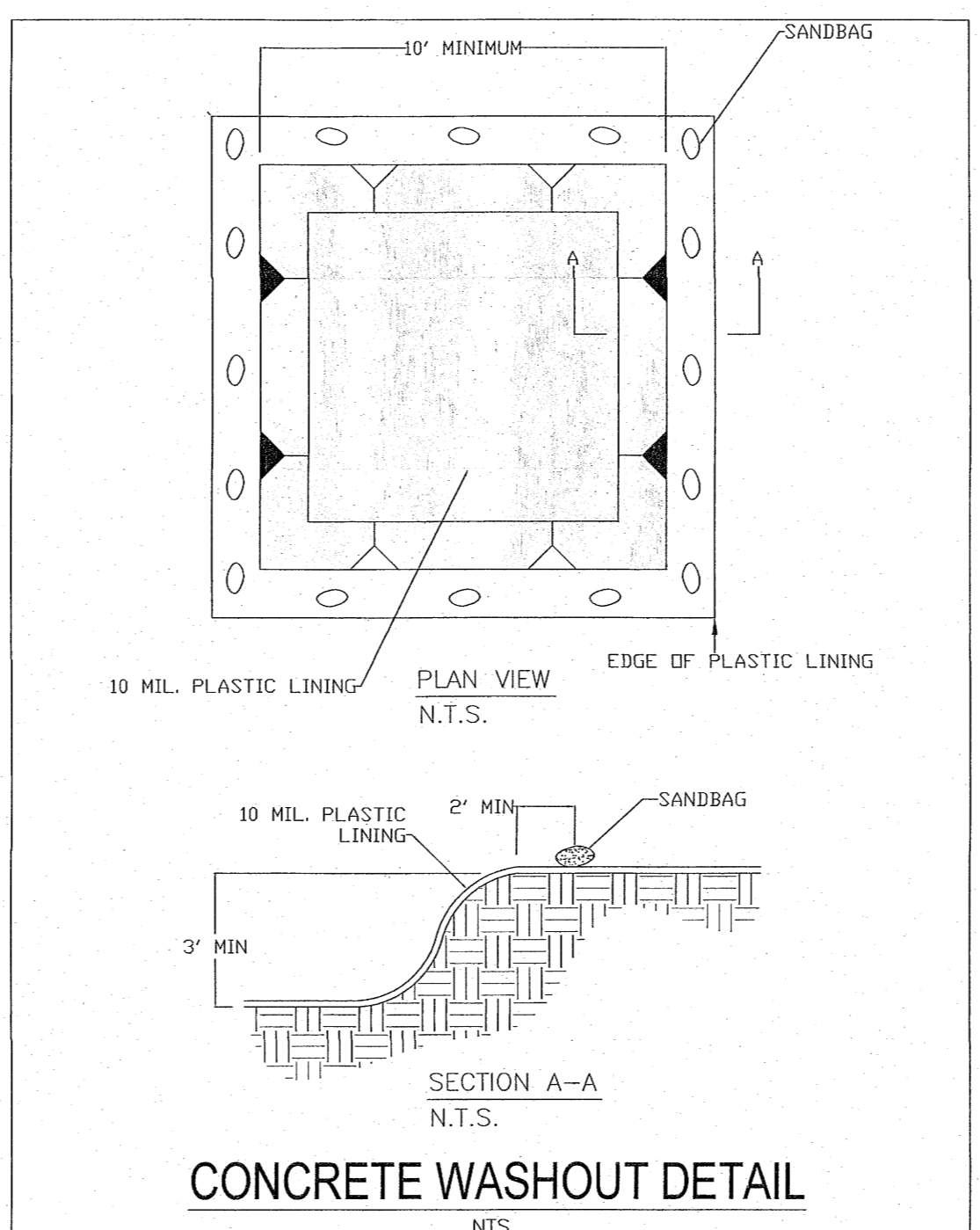
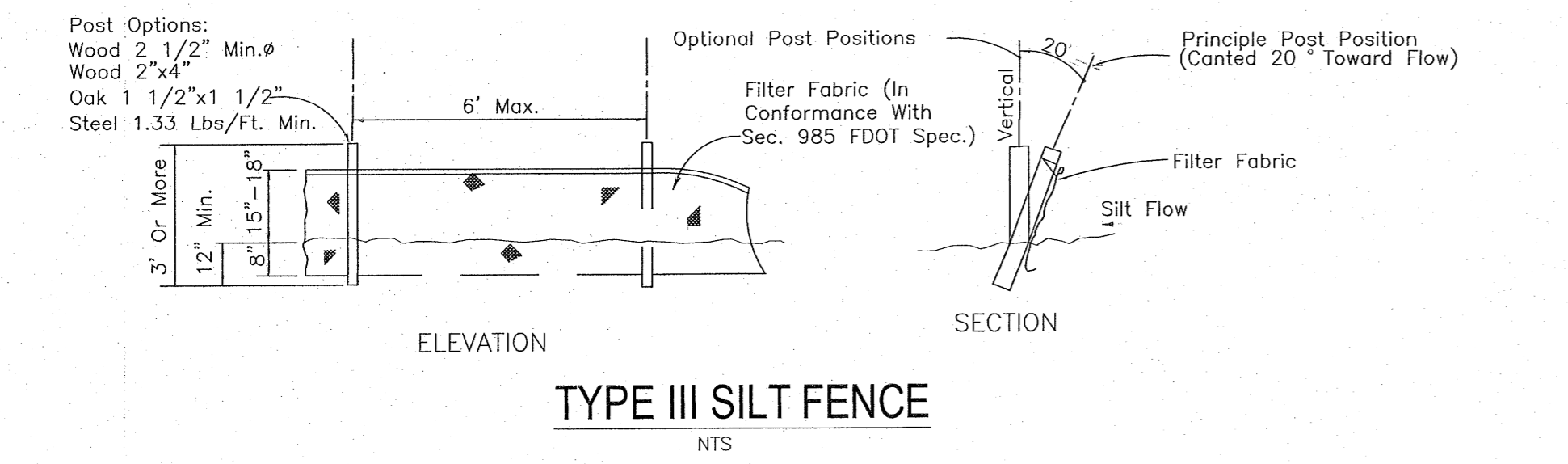
SITE DEVELOPMENT PLANS FOR GROSS AND SON CUSTOMER SERVICE BUILDING ENVIRONMENTAL IMPACT PLAN
 ESCAMBIA COUNTY FLORIDA

DRAWN BY: CJB	PROJECT NO: 21-039
DESIGNED BY: RLS	SHEET: C8
CHECKED BY: TGH	
DATE: 08-12-22	
SCALE: AS SHOWN	
NOT RELEASED FOR CONSTRUCTION	
BY: _____	DATE: _____

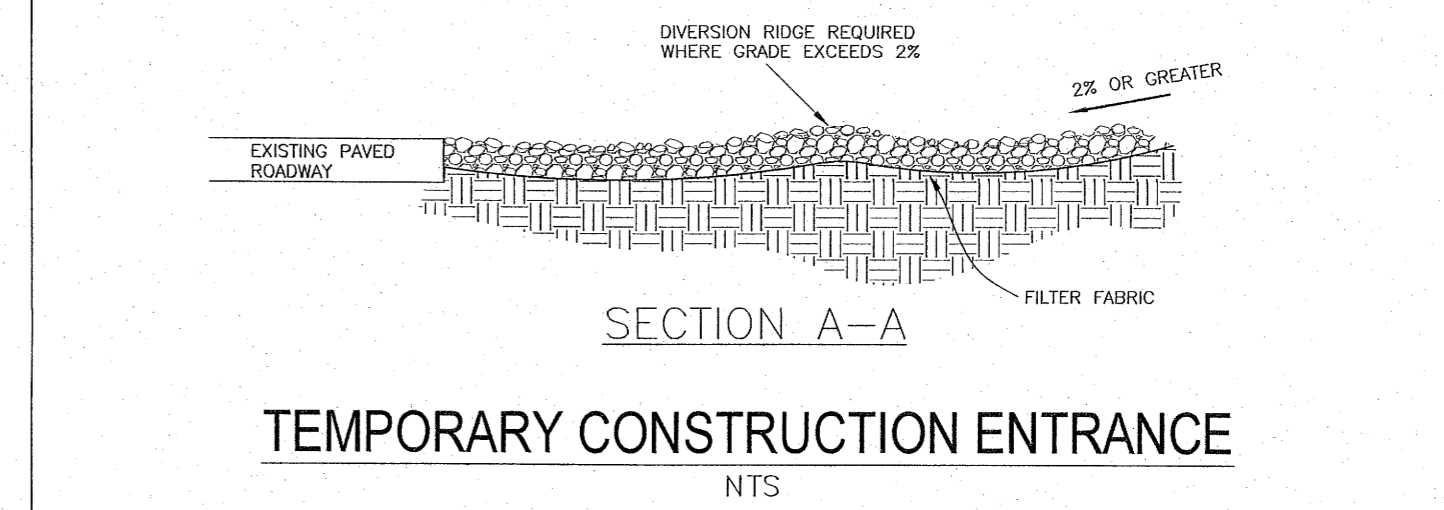
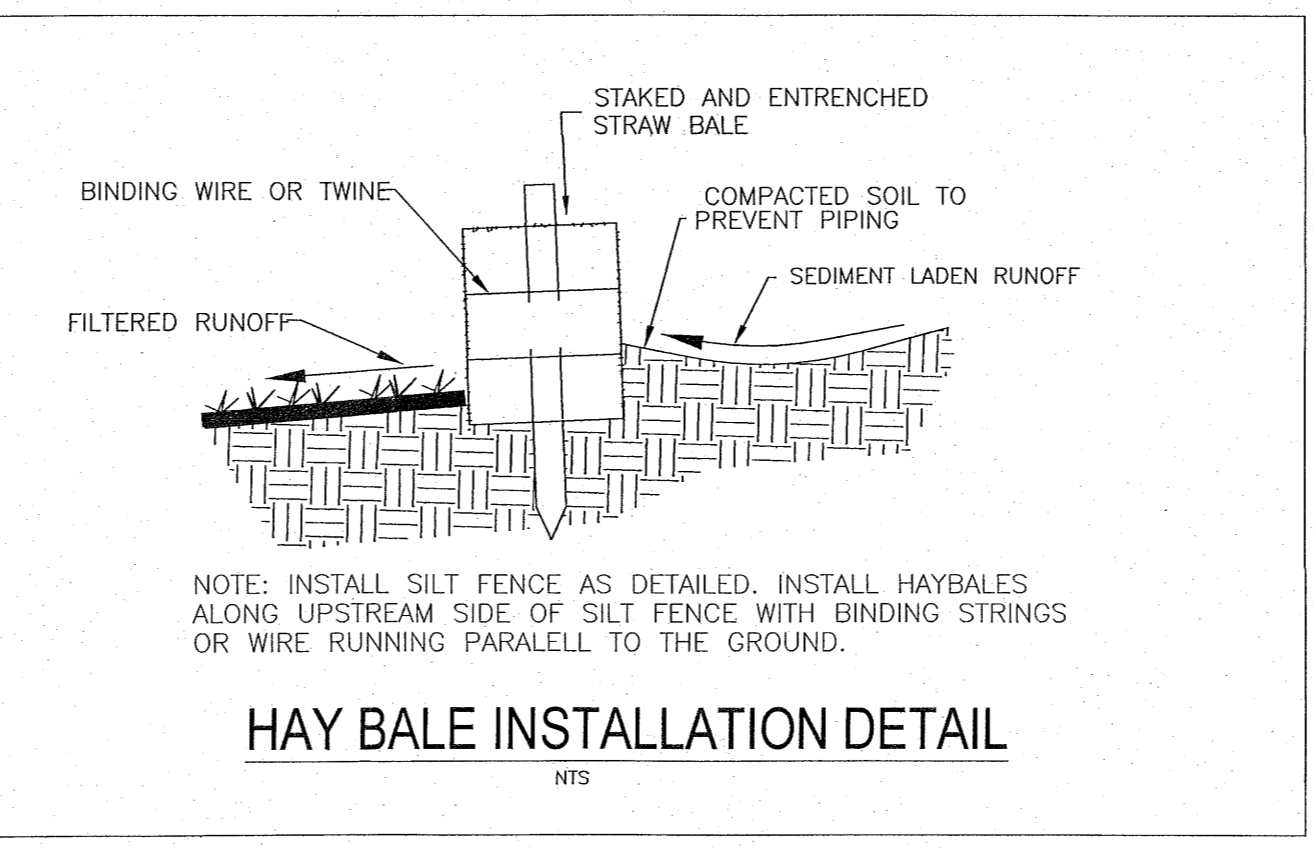


NOTES FOR SILT FENCES:

- TYPE III SILT FENCE TO BE USED AT MOST LOCATIONS, WHERE USED IN DITCHES, THE SPACING FOR TYPE III SILT FENCE SHALL BE IN ACCORDANCE WITH CHART 1 (FOUND BELOW)
- TYPE IV SILT FENCE TO BE USED WHERE LARGE SEDIMENT LOADS ARE ANTICIPATED. SUGGESTED USE IS WHERE FILL SLOPE IS 1:2 OR STEEPER AND LENGTH OF SLOPE EXCEEDS 25'. AVOID USE WHERE THE DETAINED WATER MAY BACK INTO TRAVEL LANES OR ADJACENT PROPERTY.
- DO NOT CONSTRUCT SILT FENCES ACROSS PERMANENT FLOWING WATER COURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.
- WHERE USED AS SLOPE PROTECTION, SILT FENCE IS TO BE CONSTRUCTED ON 0% LONGITUDINAL GRADE TO AVOID CHANNELIZING RUNOFF ALONG THE LENGTH OF THE FENCE.



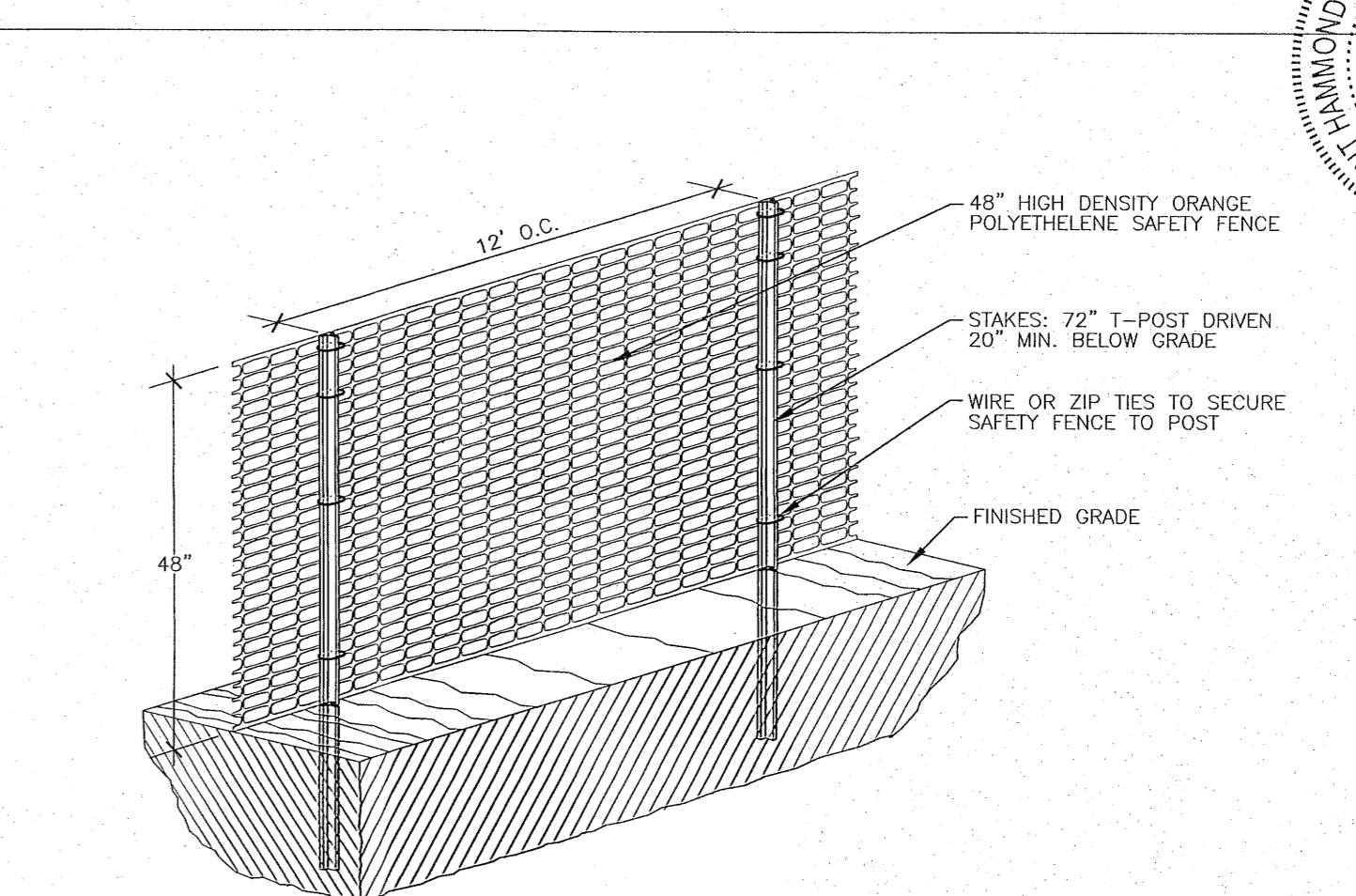
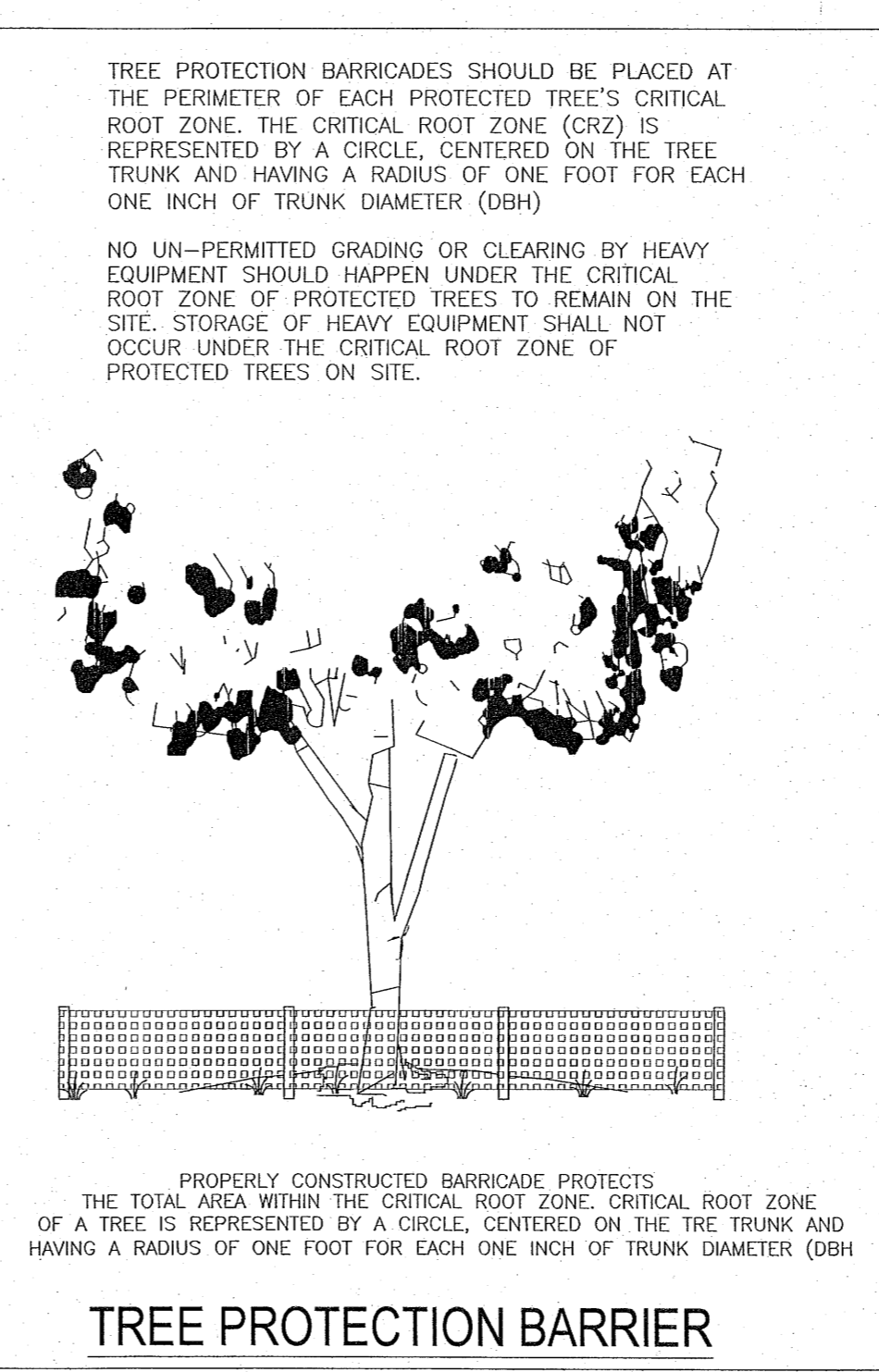
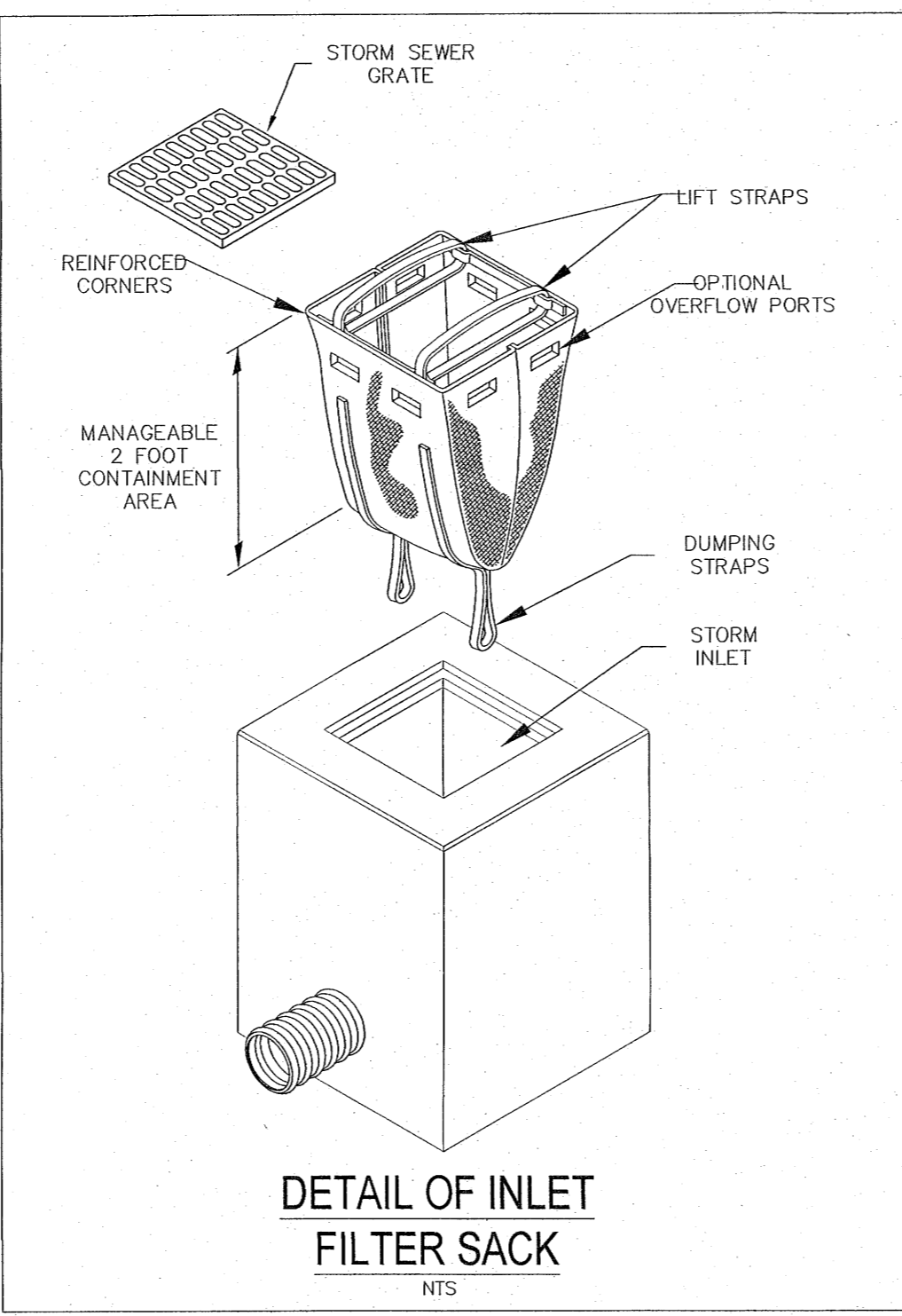
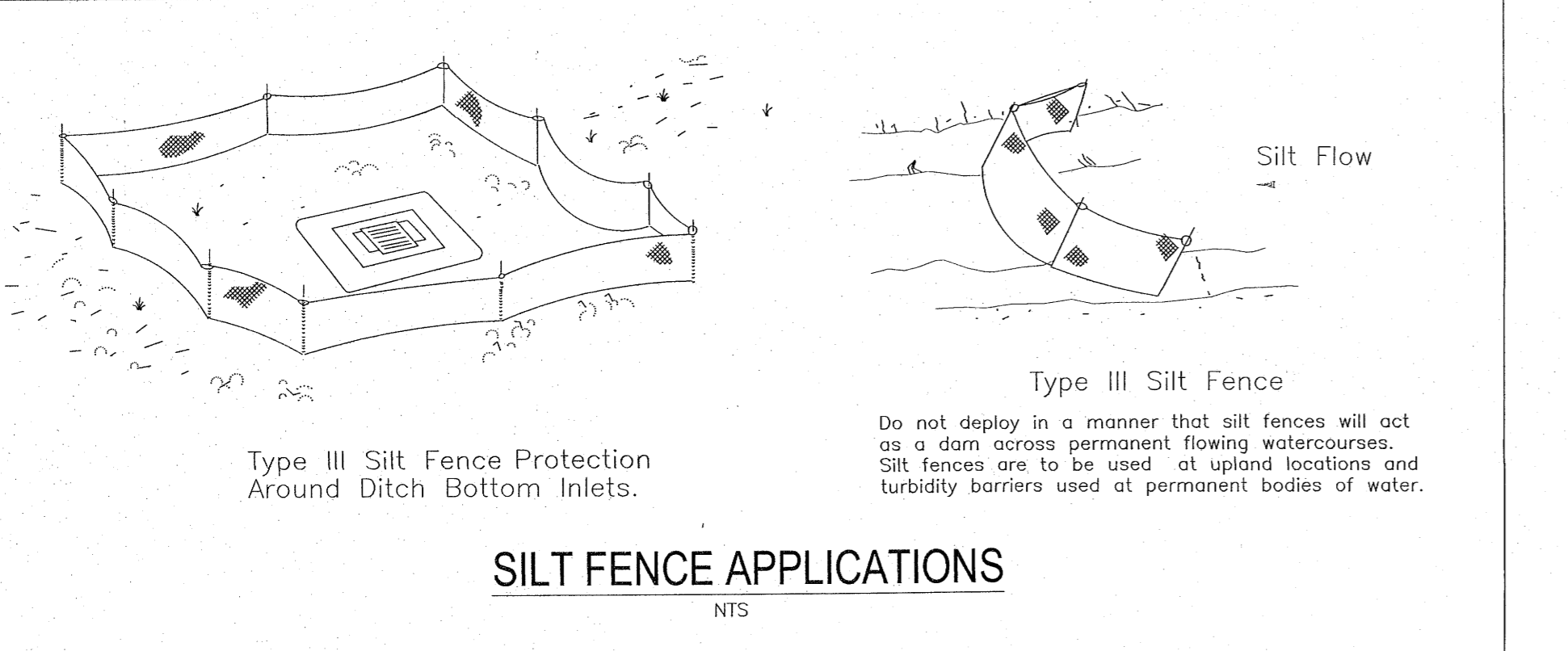
TEMPORARY GRAVEL CONSTRUCTION ENTRANCE TO BE CONSTRUCTED AT ALL DESIGNATED CONSTRUCTION ENTRANCES AND EXITS.



NOTES:

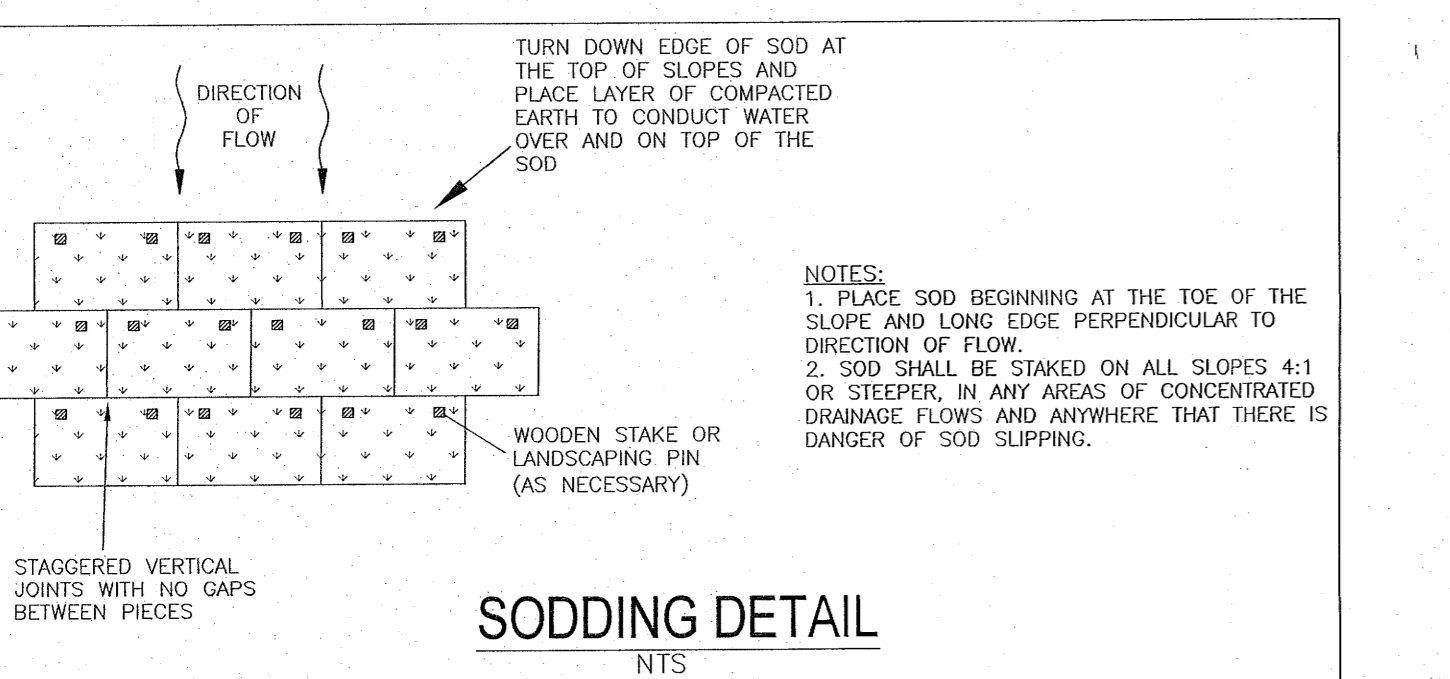
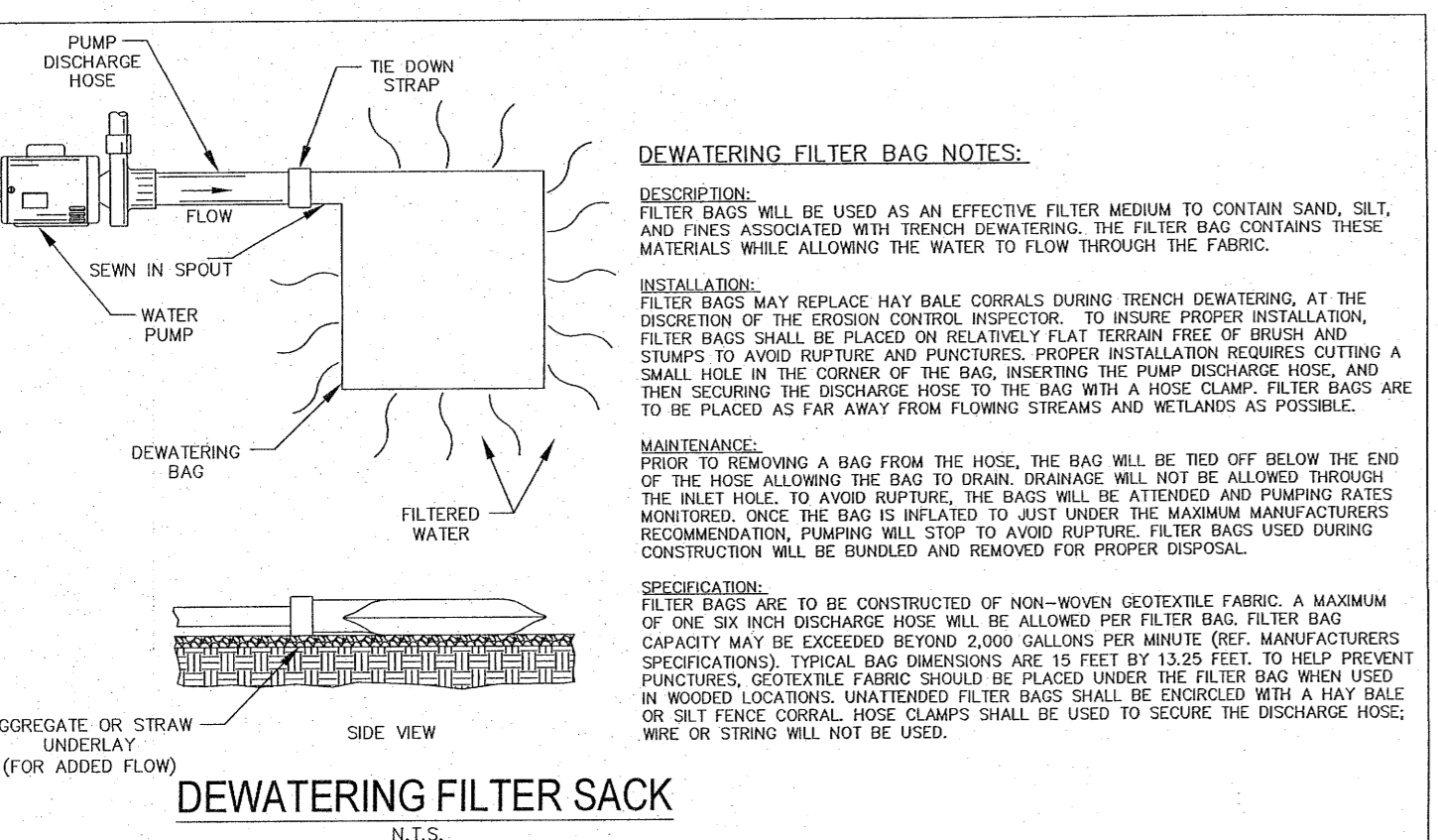
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
- WHEN NECESSARY, WHEELS SHALL BE CLEANED ONTO PUBLIC RIGHT-OF-WAY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

Offsite vehicle tracking of sediments and geration of dust shall be minimized. A stabilized construction access road shall be utilized to reduce off-site tracking. Offsite sediment removal should be conducted at a frequency necessary to minimize impacts. Vehicle wash area should be considered if offsite tracking becomes excessive.



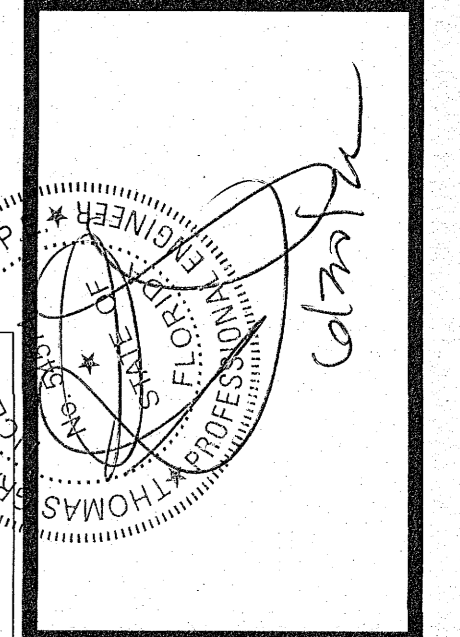
NOTES:

- ALL SENSITIVE AREAS SHALL BE PROTECTED INCLUDING DEEP EXCAVATIONS AND AS INDICATED ON PLANS.
- ALL TREES IN THE CONSTRUCTION AREA NOT SPECIFICALLY DESIGNATED FOR REMOVAL SHALL BE PRESERVED AND PROTECTED WITH HIGH VISIBILITY FENCE AS PER PLAN.
- TREE PROTECTION BARRIER SHOULD BE PLACED, AND MAINTAINED IN GOOD WORKING ORDER, AROUND THE PERIMETER OF EACH PROTECTED TREE'S CRITICAL ROOT ZONE (CRZ) OF ALL PROTECTED TREES MARKED FOR PRESERVATION PRIOR TO ANY LAND DISTURBANCE CONSISTENT WITH THE DEVELOPMENT PERMIT.
- SAFETY FENCE SHOULD BE FASTENED SECURELY TO THE T-POSTS.
- THE FENCING MUST REMAIN IN PLACE DURING ALL PHASES OF CONSTRUCTION; ANY CHANGE OF THE PROTECTIVE FENCING MUST BE APPROVED.
- NO UN-PERMITTED GRADING OR CLEARING BY HEAVY EQUIPMENT SHOULD OCCUR UNDER THE CRITICAL ROOT ZONE OF PROTECTED TREES TO REMAIN ON THE SITE. STORAGE OF HEAVY EQUIPMENT SHALL NOT OCCUR UNDER THE CRITICAL ROOT ZONE OF PROTECTED TREES ON SITE.
- ALL DAMAGED ROOTS ARE TO BE EXPOSED TO SOUND TISSUE AND SEVERED CLEANLY (NOT TORN). ROOTS SHALL BE PRUNED CLEANLY TO A DEPTH OF 18 INCHES BELOW THE EXISTING GRADE OR TO THE DEPTH OF DISTURBANCE IF LESS THAN 18 INCHES FROM EXISTING GRADE.

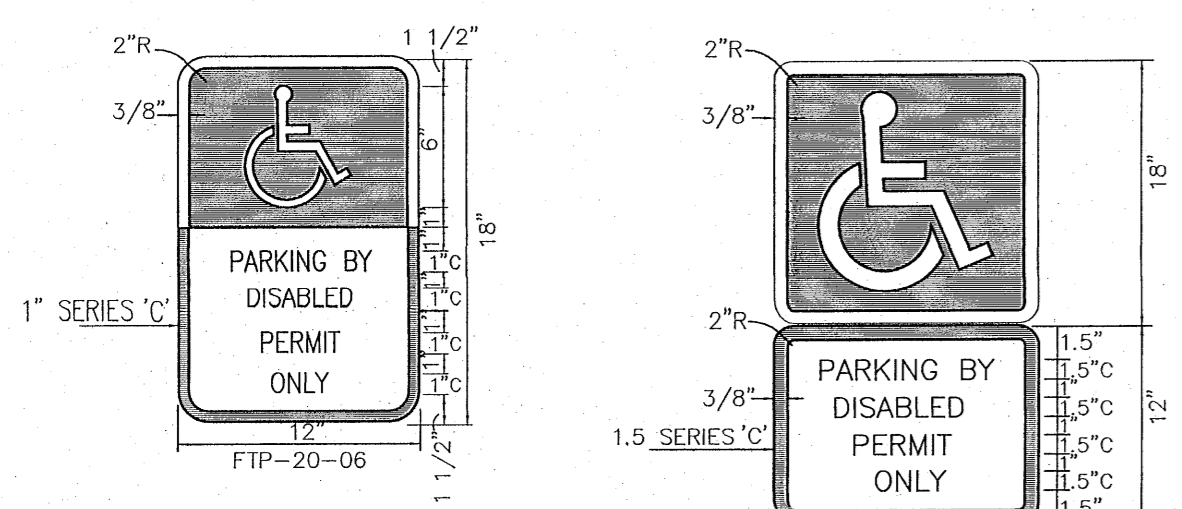


NO.	DATE	REVISIONS
1	06/21/22	REVISED PLANS AS PER ECIA INITIAL REVIEW COMMENTS
2	06/22/22	REVISED PLANS AS PER ESCAMBIA COUNTY INITIAL REVIEW COMMENTS

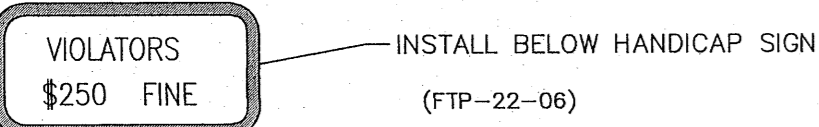
HAMMOND ENGINEERING, INC.
 FLORIDA AUTHORIZATION NO. 9130
 ALABAMA AUTHORIZATION NO. 3277
 3802 NORTH "S" STREET
 PENSACOLA, FLORIDA 32505
 850.434.2603
 FAX 850.434.2650
 TOM@SELANDESIGN.COM



SITE DEVELOPMENT PLANS FOR GROSS AND SON CUSTOMER SERVICE BUILDING	FLORIDA
EROSION CONTROL DETAILS	ESCAMBIA COUNTY
DRAWN BY: CUG	BY:
DESIGNED BY: RLS	DATE:
CHECKED BY: TDB	PROJECT NO.: 21-039
DATE: 05-12-22	SHEET: C9
SCALE: AS SHOWN	
NOT RELEASED FOR CONSTRUCTION	

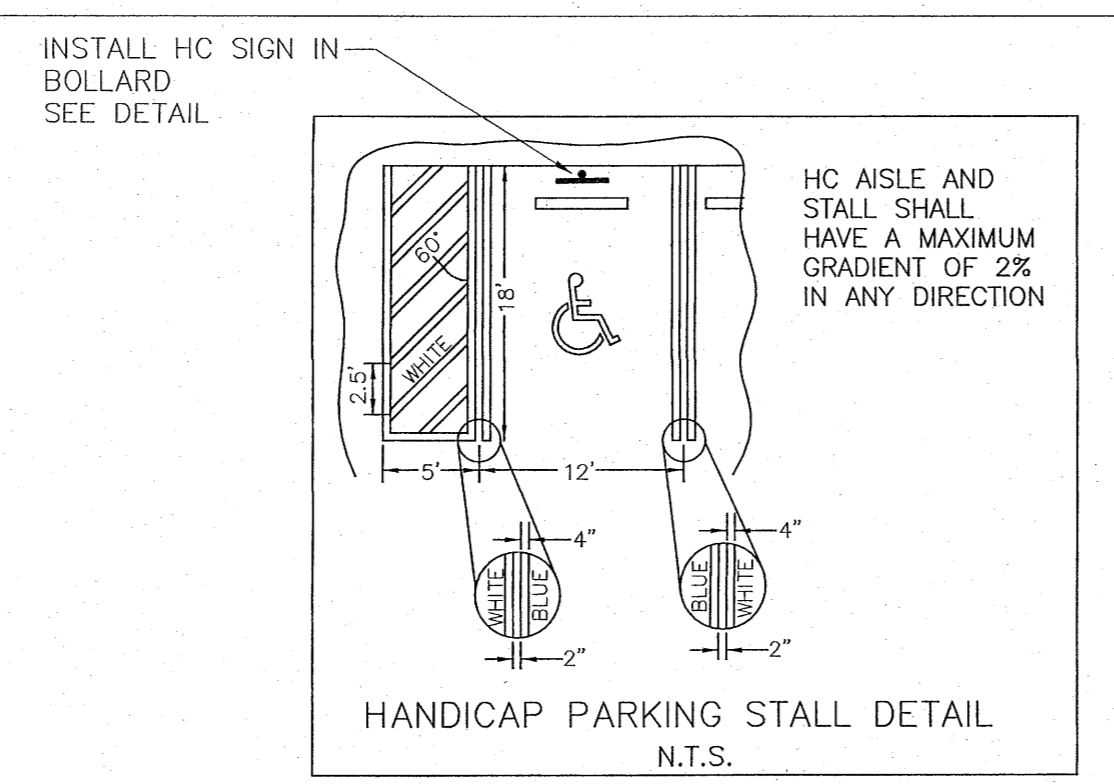


SIGNS USED AS PER FLORIDA STATUTES
FTP-20-06, FTP-21-06 Per FS 316.1955, FS 316.1956



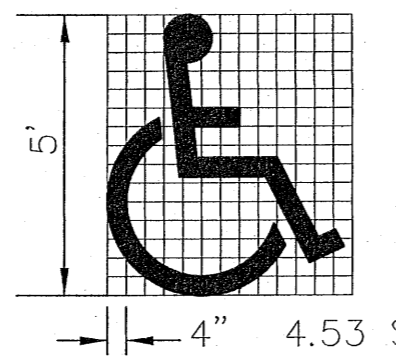
- NOTES:
1. Top portion of FTP 20-06 & 21-06 shall have a reflective blue background with white reflective symbol and border.
 2. Bottom portion shall have a reflective white background with black opaque legend and border.
 3. FTP 20-06 & 21-06 may be fabricated on one panel or two.
 4. FTP 20-06 may be substituted for the FTP 21-06 in areas where space is limited.
 5. Signs are to be mounted at standard height. (7' from pavement to bottom of sign).

HANDICAPPED PARKING SIGN DETAIL
NTS

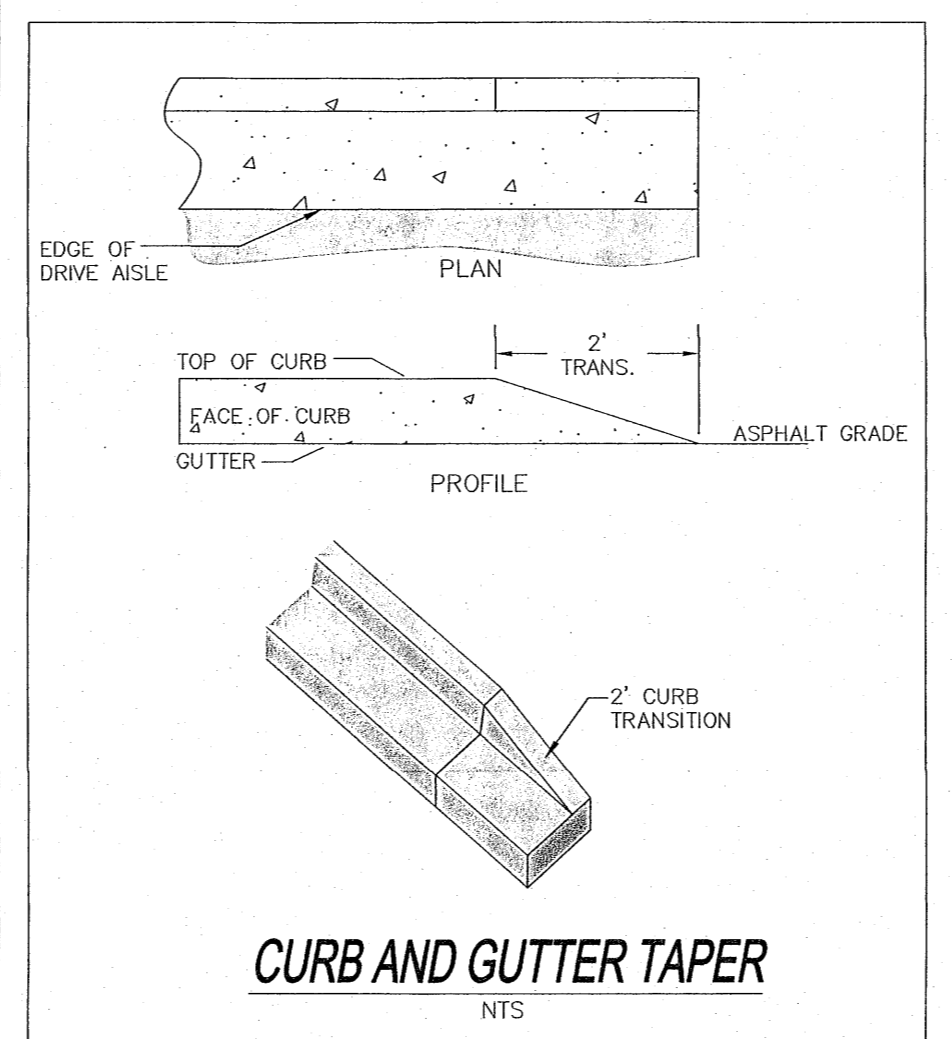


HANDICAP PARKING SPACE TO CONSTRUCTED IN ACCORDANCE TO FOOT ROADWAY AND TRAFFIC DESIGN STANDARD INDEX 17346

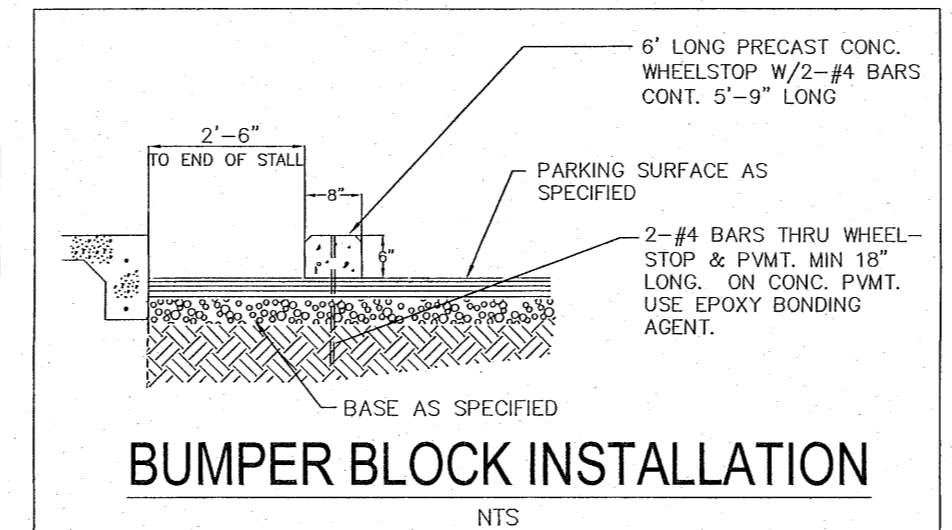
SYMBOL SHALL BE WHITE IN COLOR. REFERENCE FOOT DESIGN STANDARDS INDEX 17346 FOR ADDITIONAL DETAILS



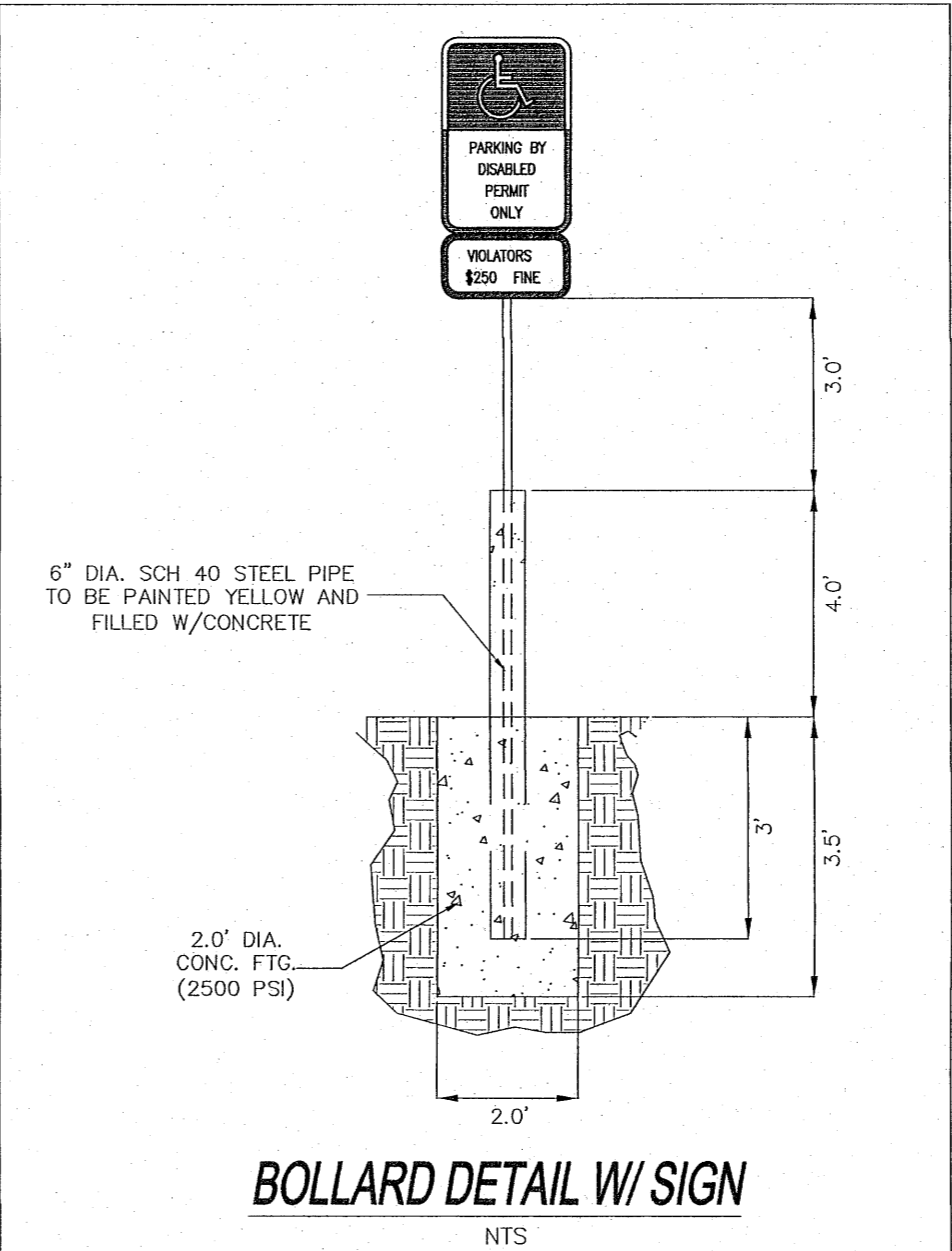
HANDICAP PAVEMENT SYMBOL/LINING
NTS



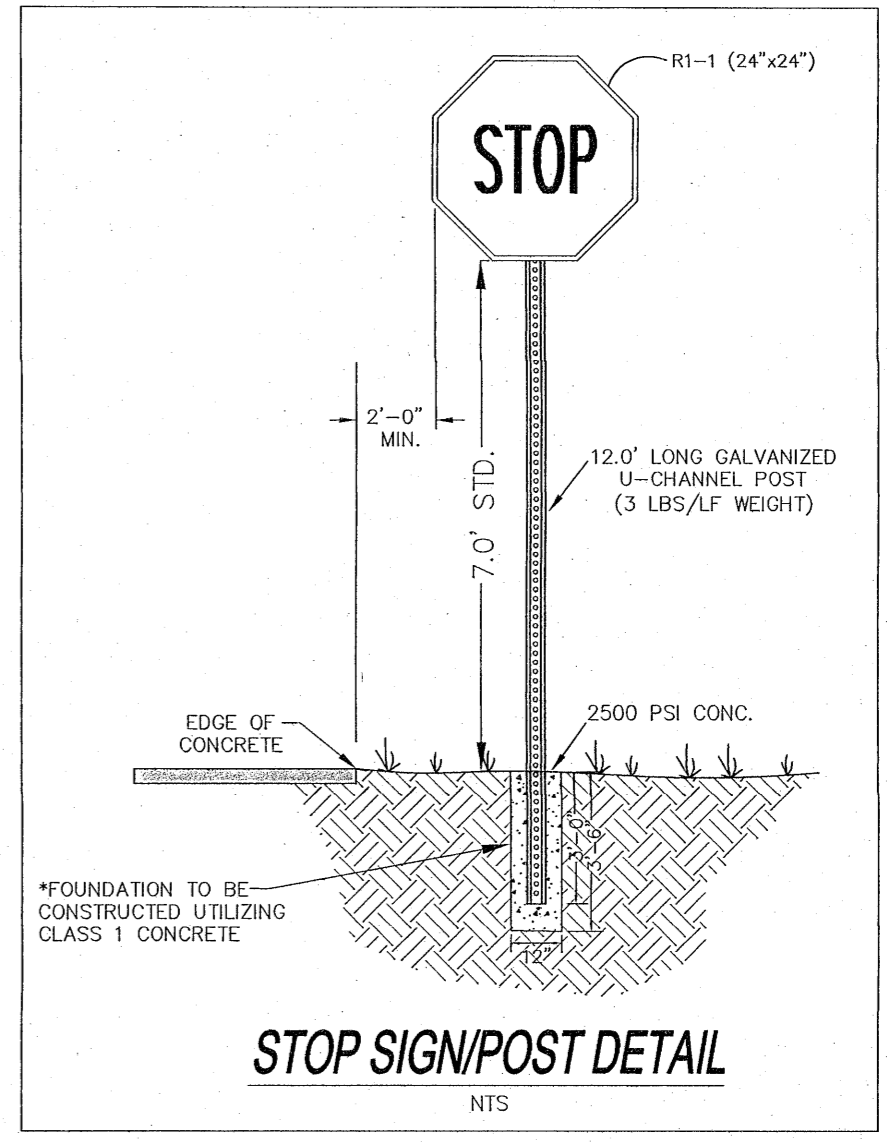
CURB AND GUTTER TAPER
NTS



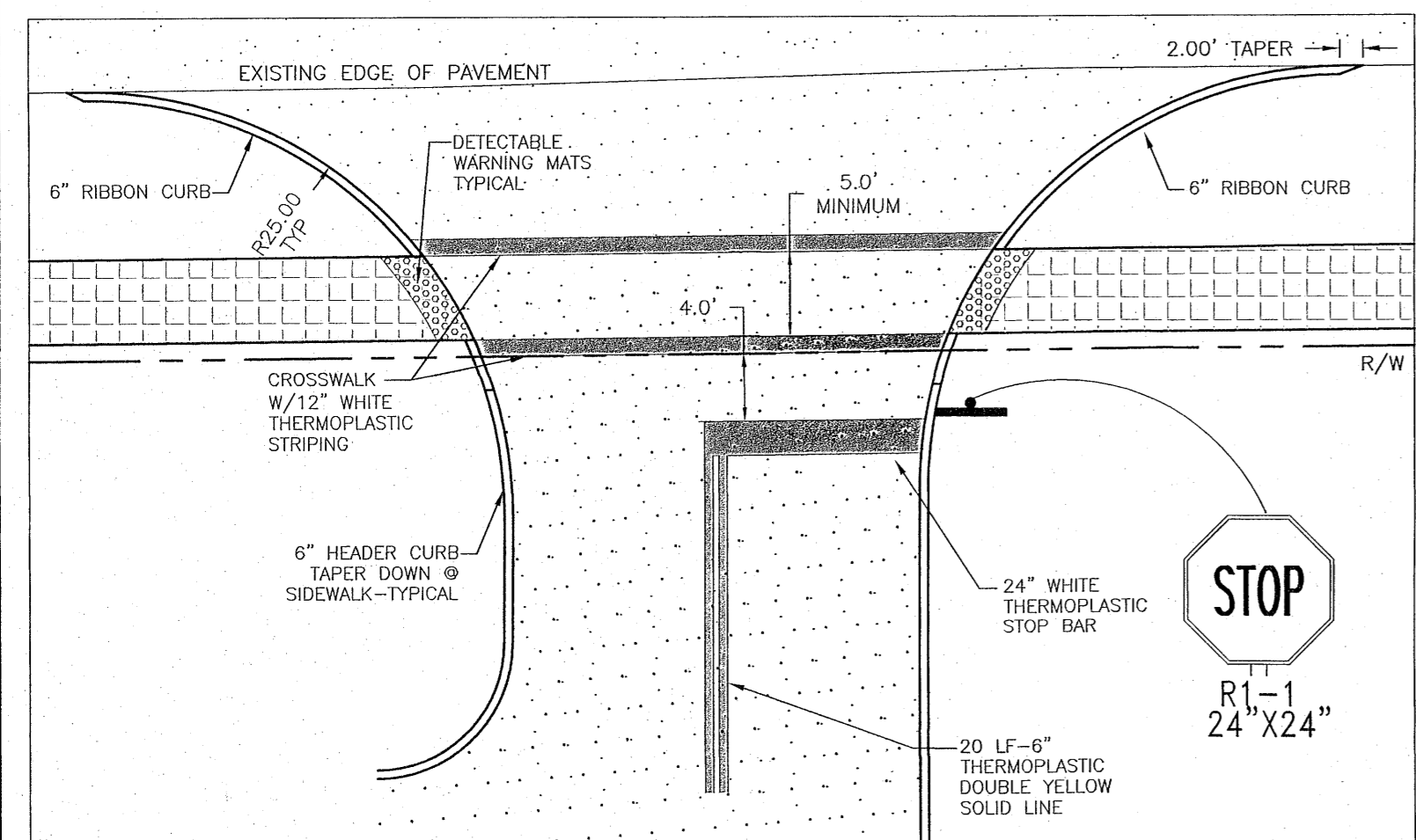
BUMPER BLOCK INSTALLATION
NTS



BOLLARD DETAIL W/ SIGN
NTS

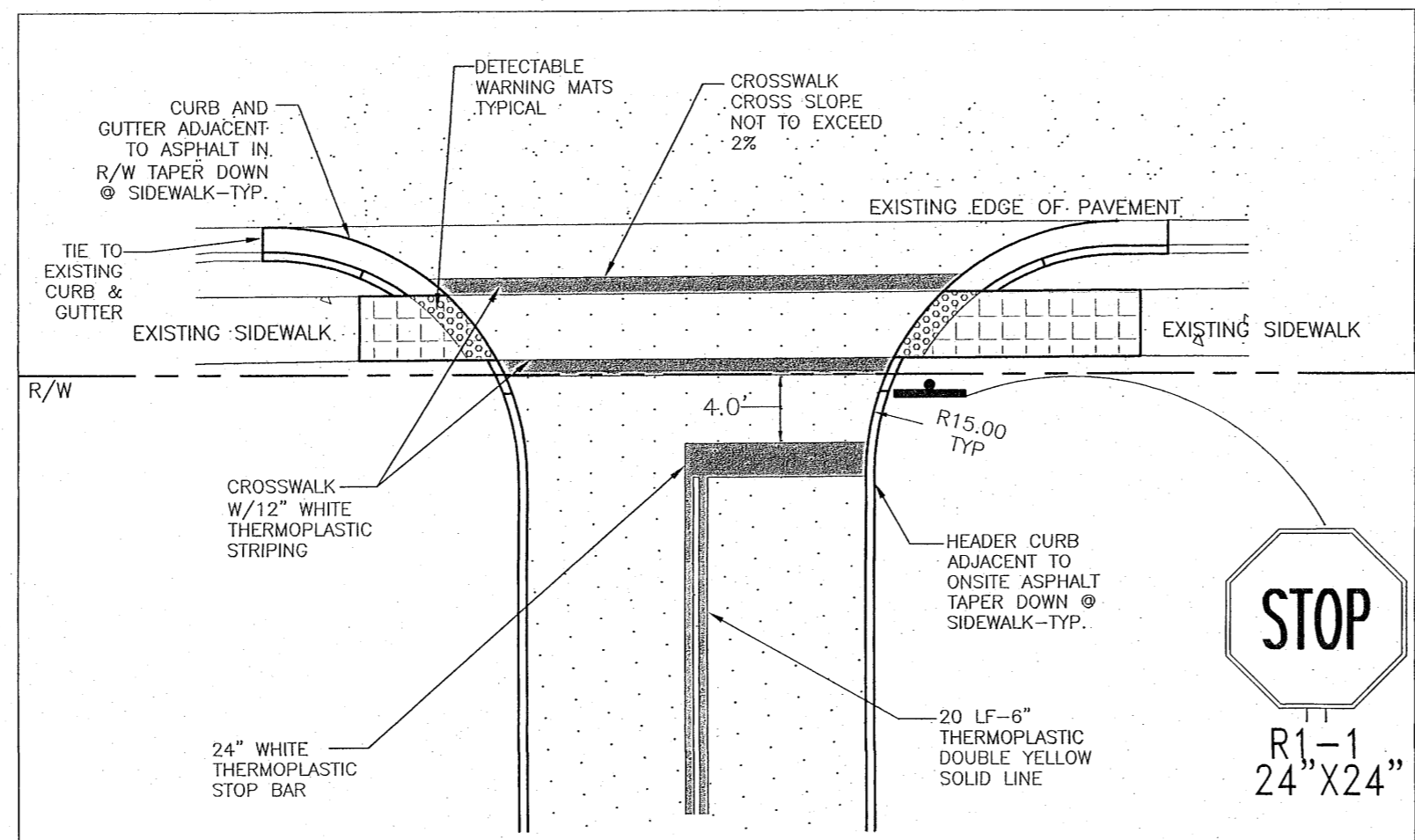


STOP SIGN/POST DETAIL
NTS



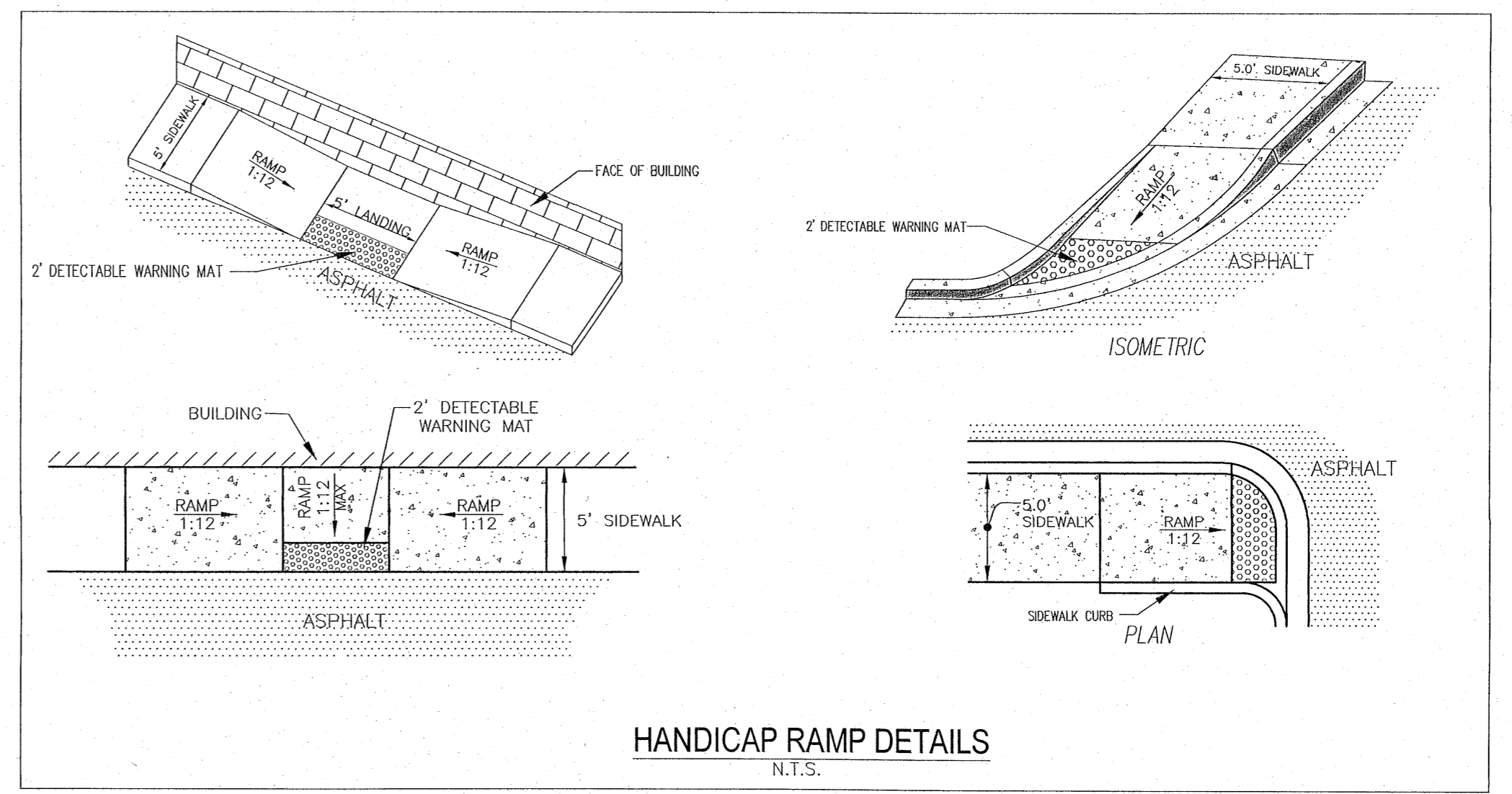
DRIVEWAY CONNECTION DETAIL #1
NTS

- NOTES:
1. STOP LINE SHOULD BE WHITE AND 600 MM (24 IN) WIDE
 2. SIGN POSTS AND ALL HARDWARE TO BE GALVANIZED
 4. ALL PAVEMENT MARKINGS IN R/W WILL BE THERMOPLASTIC AND IN CONFORMANCE WITH SECTION 711 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION)

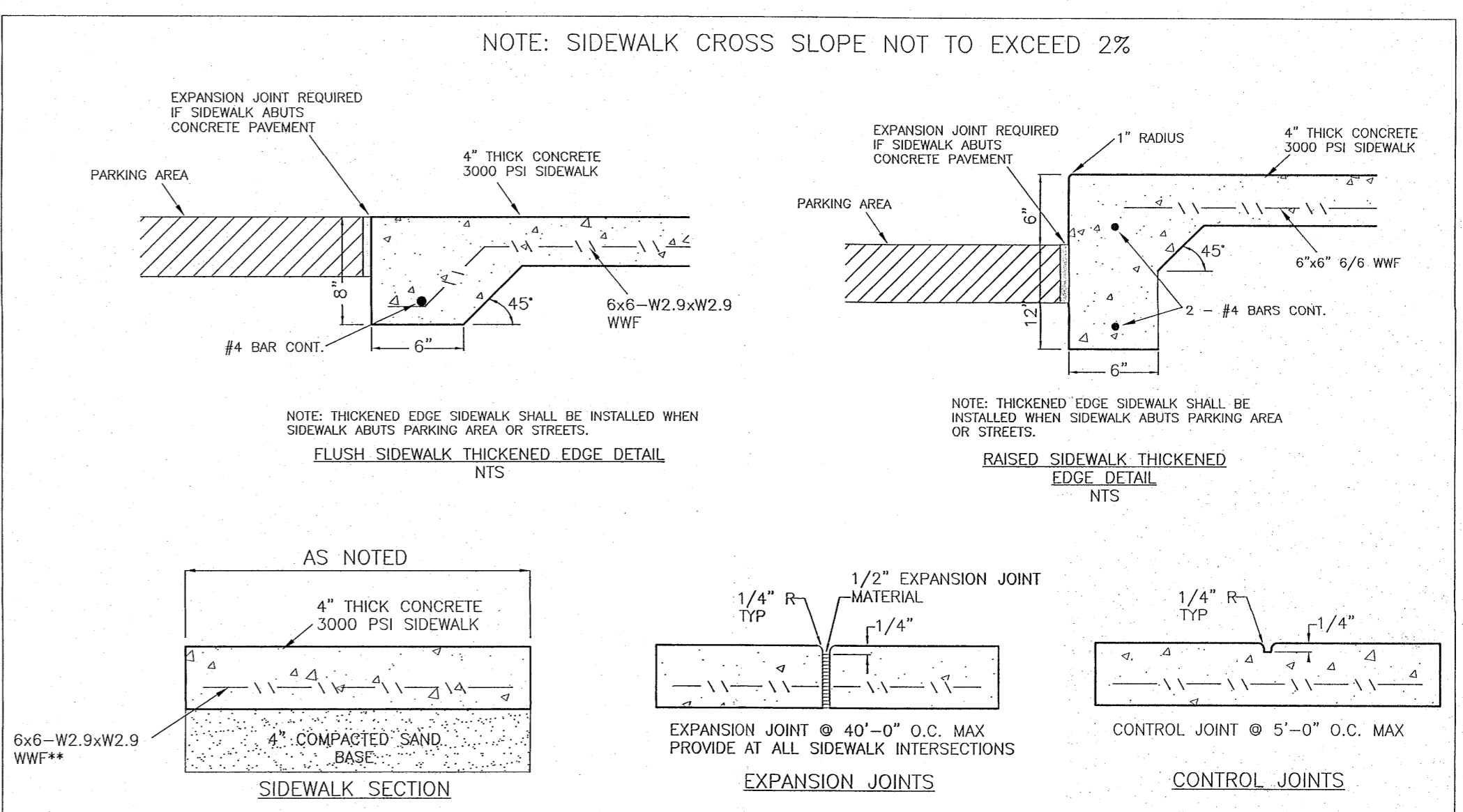


DRIVEWAY CONNECTION DETAIL #2
NTS

- NOTES:
1. STOP LINE SHOULD BE WHITE AND 600 MM (24 IN) WIDE
 2. SIGN POSTS AND ALL HARDWARE TO BE GALVANIZED
 4. ALL PAVEMENT MARKINGS IN R/W WILL BE THERMOPLASTIC AND IN CONFORMANCE WITH SECTION 711 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION)

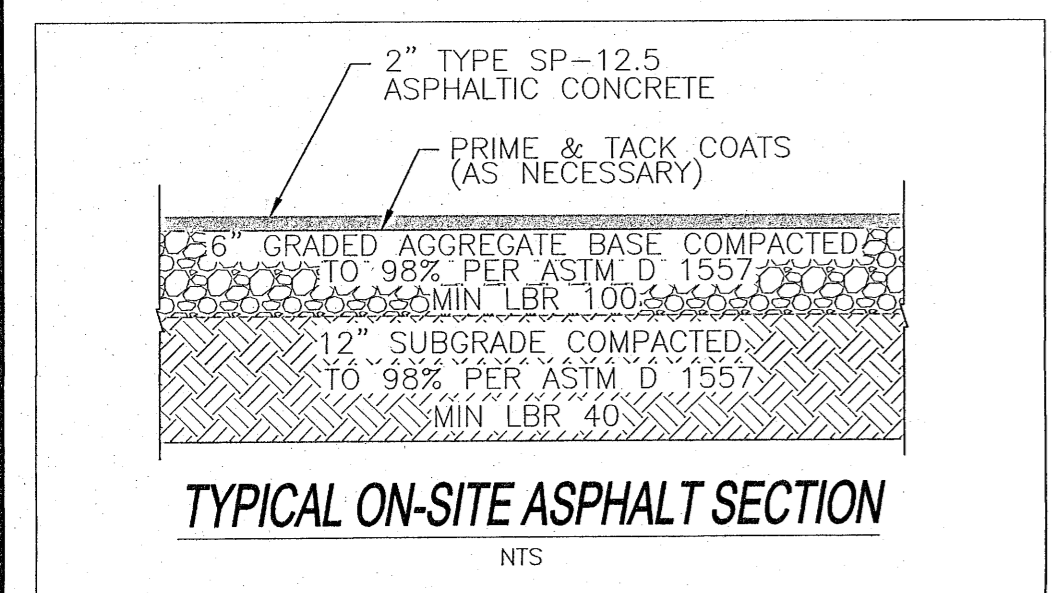


HANDICAP RAMP DETAILS
NTS



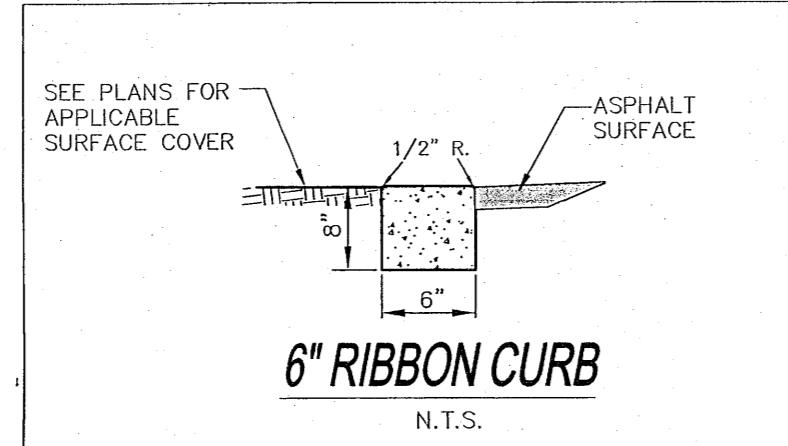
SIDEWALK DETAILS
NTS

**FIBER REINFORCED CONCRETE CAN BE USED IN LIEU OF WWF IF DESIRED



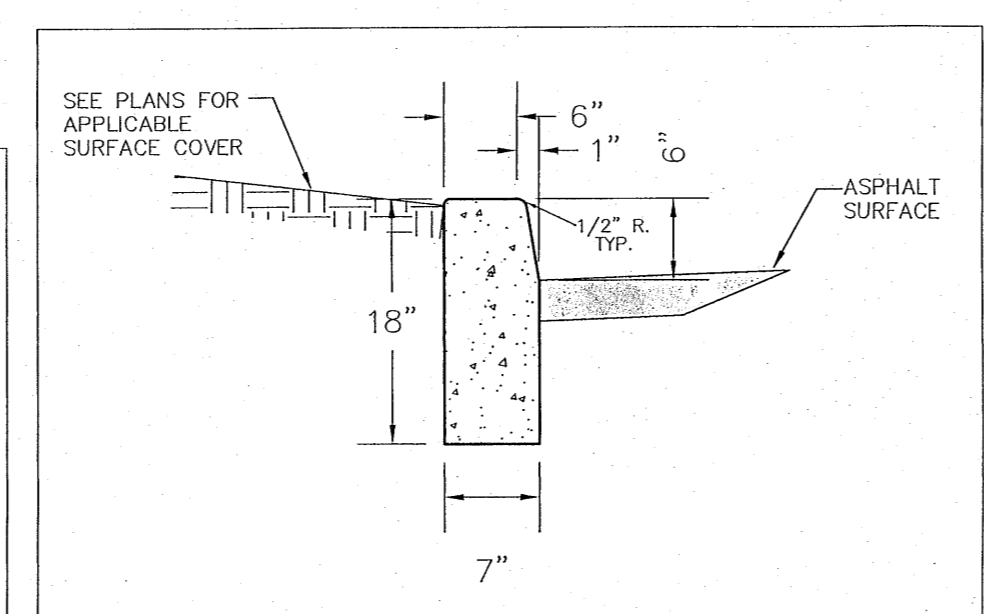
TYPICAL ON-SITE ASPHALT SECTION
NTS

NOTE:
CONTRACTOR MUST PROVIDE ENGINEER OF RECORD WITH BASE AND SUBGRADE COMPACTION TESTING RESULTS PRIOR TO CONSTRUCTING ANY ASPHALT SURFACE. CONTRACTOR MUST PROVIDE ENGINEER OF RECORD WITH ASPHALT CORE TESTING RESULTS PRIOR TO FINAL "AS-BUILT" APPROVAL AND SUBMITTAL TO AHJ. CONTRACTOR TO COORDINATE WITH E.O.R. TO DETERMINE TEST LOCATIONS.



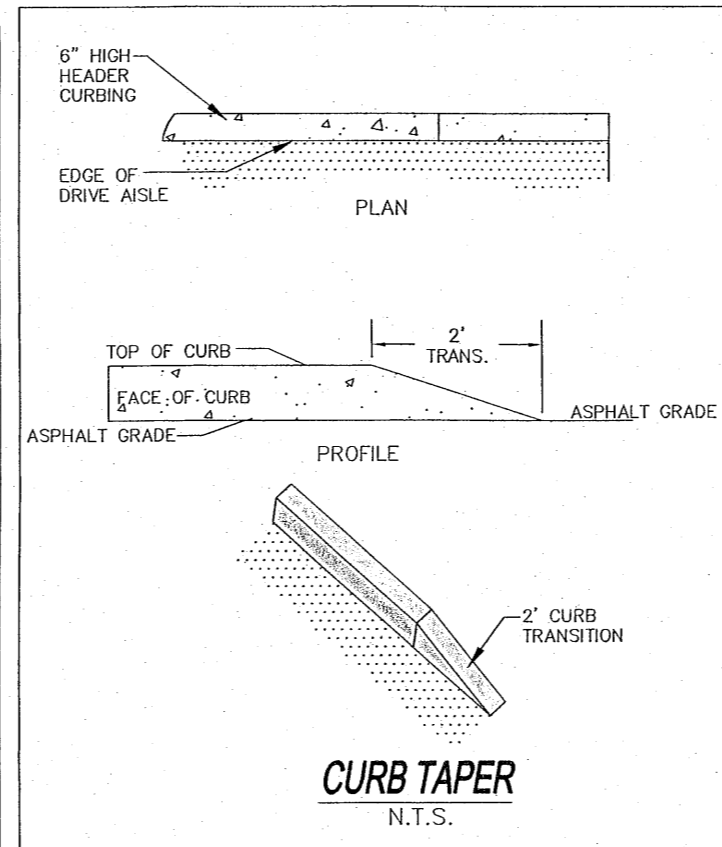
6\"/>

- NOTE:
1. ALL CURB TO HAVE CONTROL JOINT AT 15' ON CENTER & AT ALL PC'S & PT'S. MIN. DEPTH OF JOINT TO BE 2\".
 2. EXPANSION JOINTS ARE TO BE 60' ON CENTER, TYPICAL FOR ALL CURB.
 3. CONCRETE TO BE 3000 PSI.



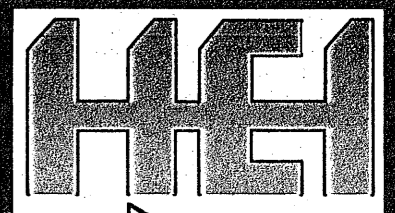
6\"/>

- NOTE:
1. ALL CURB TO HAVE DUMMY JOINT AT 10' ON CENTER & AT ALL PC'S & PT'S. MIN. DEPTH OF JOINT TO BE 2\".
 2. EXPANSION JOINTS ARE TO BE 60' ON CENTER, TYPICAL FOR ALL CURB.
 3. CONCRETE TO BE 3000 PSI.

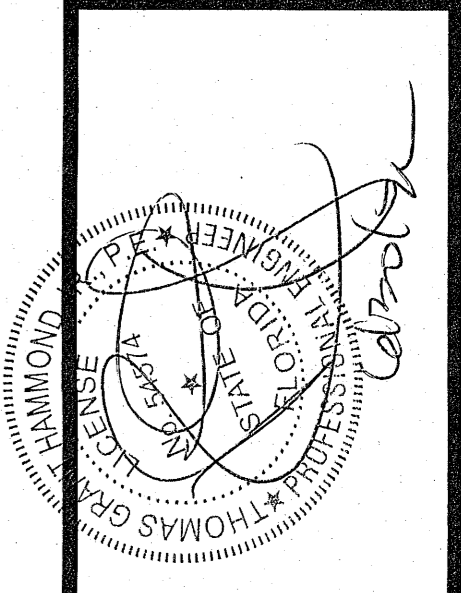


CURB TAPER
NTS

NO.	DATE	REVISIONS
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2	05/22/22	REVISED PLANS AS PER ESCAMBIA COUNTY INITIAL REVIEW COMMENTS



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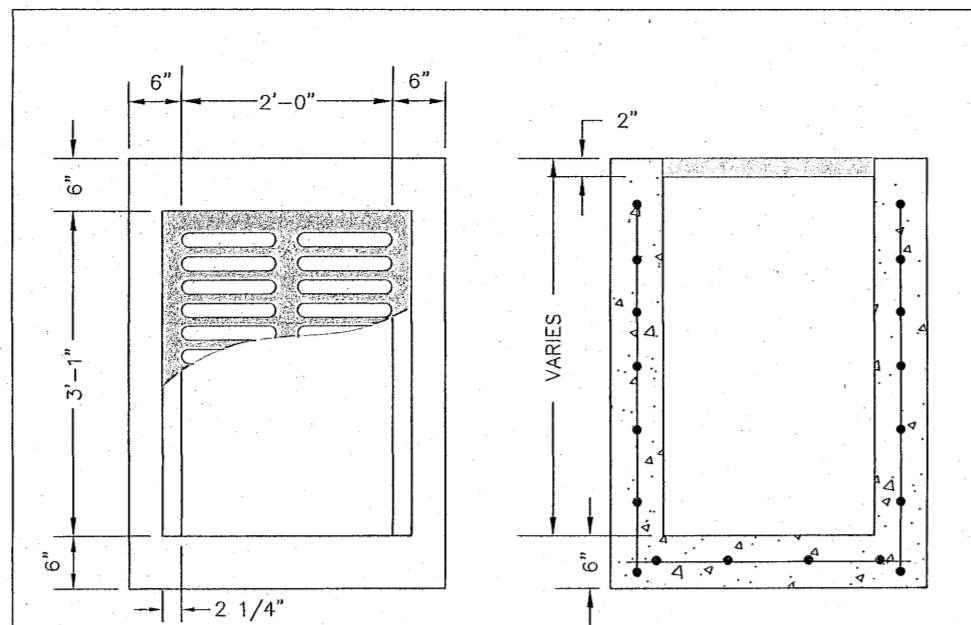


SITE DEVELOPMENT PLANS FOR GROSS AND SON CUSTOMER SERVICE BUILDING CONSTRUCTION DETAILS
FLORIDA
ESCAMBIA COUNTY

DRAWN BY: CUG	DATE:
DESIGNED BY: RLS	
CHECKED BY: TEH	
DATE: 05-12-22	
SCALE: AS SHOWN	
NOT RELEASED FOR CONSTRUCTION	

List of Recommended Native and Non-Invasive Plants

Shrubs (mature height 36" min.)	Understory Trees (mature height 15-29 feet)	Canopy Trees (mature height over 30 feet)
<i>Abelia</i>	Flowering Dogwood	Red Maple
<i>Azalea grandiflora</i>	<i>Cornus florida</i>	<i>Acer rubrum</i>
<i>Aucuba japonica</i>	Loblolly Bay	Silver Maple
<i>Acubia</i>	<i>Cordia allantherus</i>	<i>Acer saccharum</i>
Barberry	American Holly	American Hornbeam
<i>Berberis sp.</i>	<i>Nex opaca</i>	<i>Carpinus caroliniana</i>
Japanese Boxwood	Dahoon Holly	Southern Red Cedar
<i>Buxus microphylla</i>	<i>Nex castne</i>	<i>Juniperus silticola</i>
Beauty Berry	Crape Myrtle	Leyland Cypress
<i>Callicarpa Americana</i>	<i>Lagerstroemia indica</i>	<i>Cupressocyparis leylandii</i>
Japanese Plum-Yew	Glossy Privet	River Birch
<i>Cephalotaxus harringtonia</i>	<i>Ligustrum lucidum</i>	<i>Betula nigra</i>
Silverhorn Elmogrus	Saucer Magnolia	<i>Carya glabra</i>
<i>Stenosorus pungens</i>	<i>Magnolia x soulangeana</i>	
Fatsia	Sweetbay Magnolia	Green Ash
<i>Fatsia japonica</i>	<i>Magnolia virginiana</i>	<i>Fraxinus pennsylvanica</i>
Gardenia	Southern Crab Apple	Maidenhair Tree
<i>Gardenia jasminoides</i>	<i>Malus angustifolia</i>	<i>Ginkgo biloba (male)</i>
Gardenia	Wax Myrtle	Sweetgum
<i>Gardenia jasminoides</i>	<i>Myrica cerifera</i>	<i>Liquidambar styraciflua</i>
Barford Holly	Bradford Pear	Tulip Poplar
<i>Nex cornata</i>	<i>Pyrus calleryana</i>	<i>Liriodendron tulipifera</i>
Japanese Privet	Southern Magnolia	Southern Magnolia
<i>Ligustrum japonicum</i>	<i>Magnolia grandiflora</i>	<i>Magnolia grandiflora</i>
Southern Wax Myrtle	Loquat	Tupelo/Sour Gum
<i>Myrica cerifera</i>	<i>Eriobotrya japonica</i>	<i>Nyssa sylvatica</i>
Firethorn	Eastern Redbud	Slash Pine
<i>Hamelia coccinea</i>	<i>Cercis canadensis</i>	<i>Pinus strobus</i>
Dwarf Japanese Holly	Fringe Tree	Longleaf Pine
<i>Nex cornata</i>	<i>Chionanthus virginicus</i>	<i>Pinus palustris</i>
Chinese Holly	Hawthorn	Sycamore
<i>Nex cornata</i>	<i>Crataegus spp.</i>	<i>Hartmannia occidentalis</i>
Dwarf Youpon Holly	Silverbell	White Oak
<i>Nex cornata 'Nana'</i>	<i>Halesia caroliniana</i>	<i>Quercus alba</i>
Chinese Juniper		Live Oak
<i>Juniperus chinensis</i>		<i>Quercus virginiana</i>
Indian Hawthorn		Shumard Oak
<i>Rhaphiolepis sp.</i>		<i>Quercus shumardii</i>
Red-Tip Photinia		Southern Red Oak
<i>Photinia</i>		<i>Quercus falcata</i>
Rhododendron/Azalea		
<i>Rhododendron sp.</i>		



MATERIALS:
 CONCRETE: 4000 PSI, TYPE II CEMENT
 WALL REINFORCING: 3x4 W3.1/W4.1 W/F 85 K.S.I. (AS PER FDOT-INDEX 201)
 BOTTOM SLAB REINFORCING: #4 @ 12" C.C.E.W. *

NOTE:
 ALL EXPOSED EDGES TO HAVE 3/4" CHAMFER.
 * GRADE 40, OR EQUIVALENT WELDED WIRE MESH.

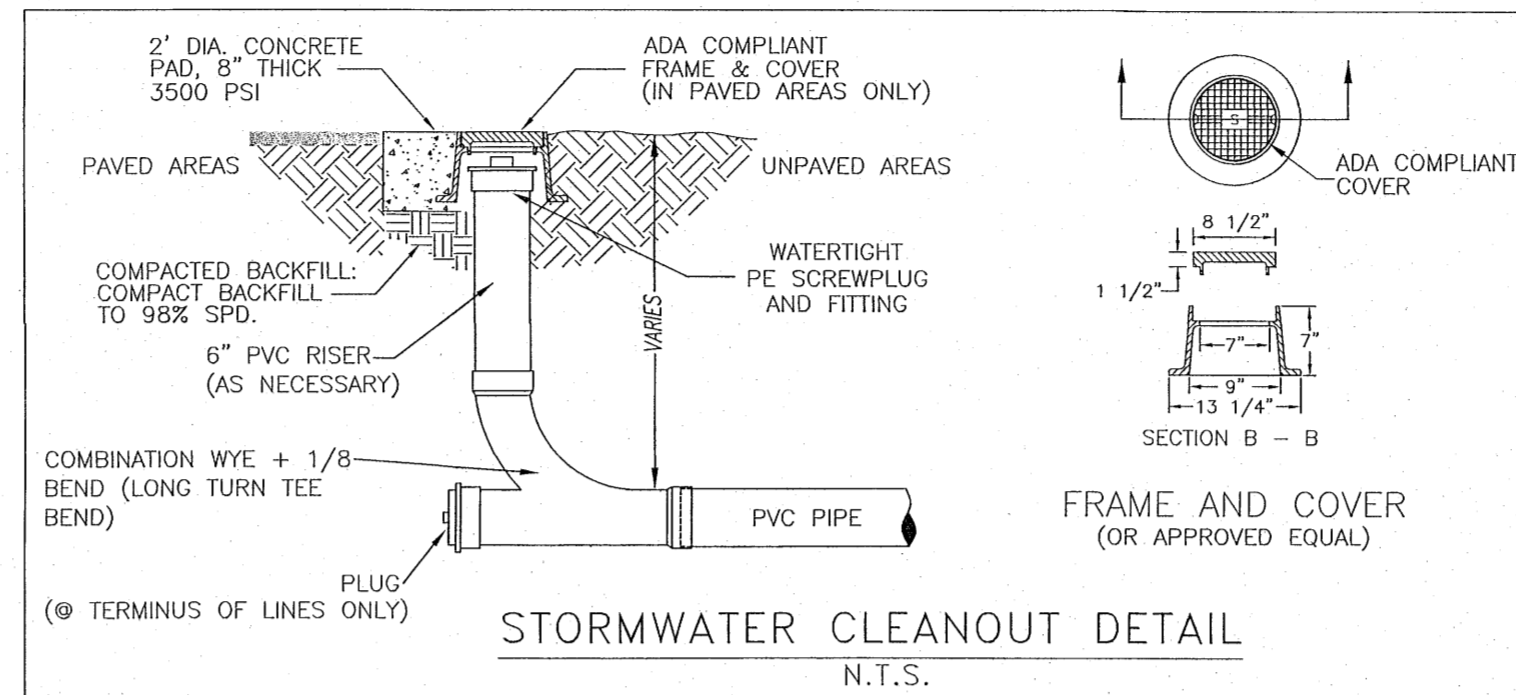
GRATE INFORMATION:

U.S.F. NO.	TYPE	RATING	FLOW AREA (SQ. IN.)
6212	CAST IRON	TRAFFIC	455

GRATE NOT SHOWN FOR CLARITY.

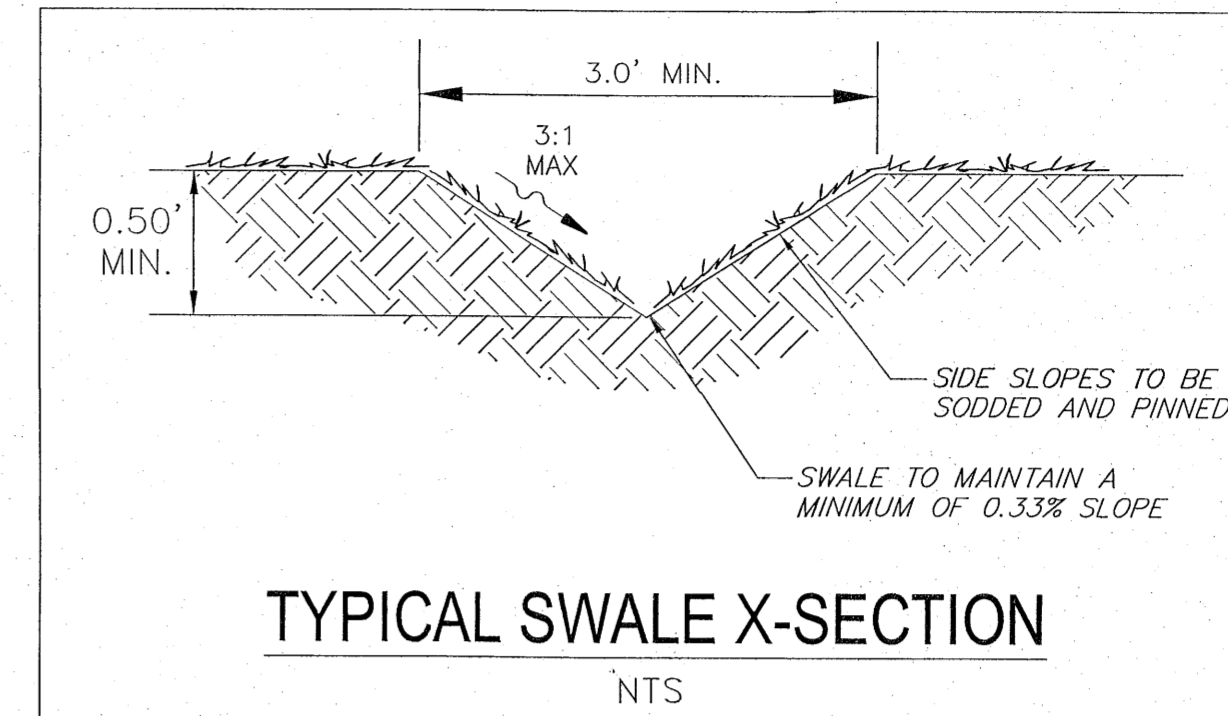
FDOT TYPE 'C' DITCH BOTTOM INLET

NTS



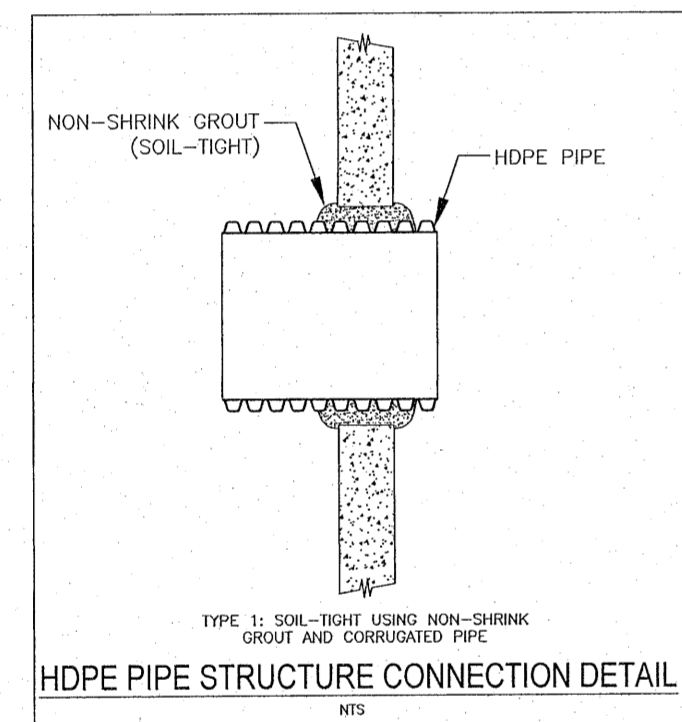
STORMWATER CLEANOUT DETAIL

N.T.S.

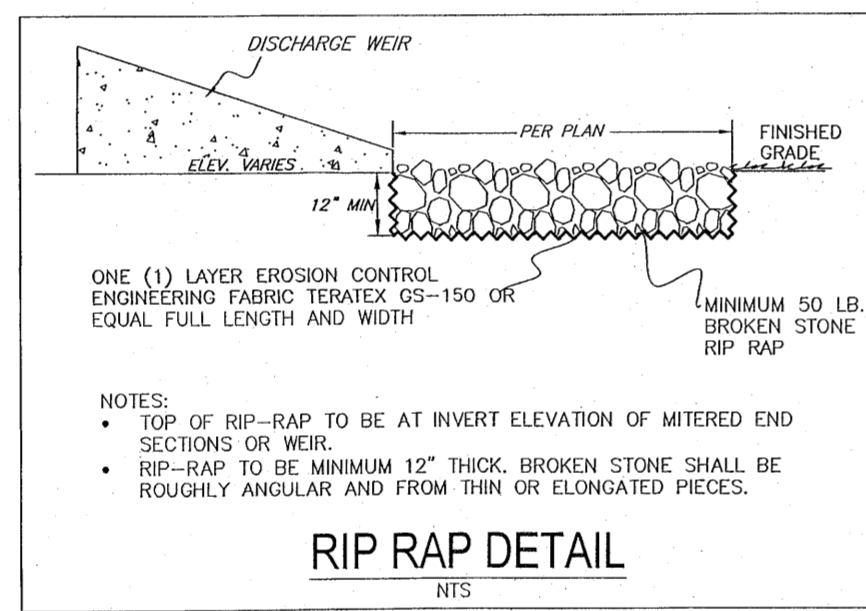


TYPICAL SWALE X-SECTION

NTS

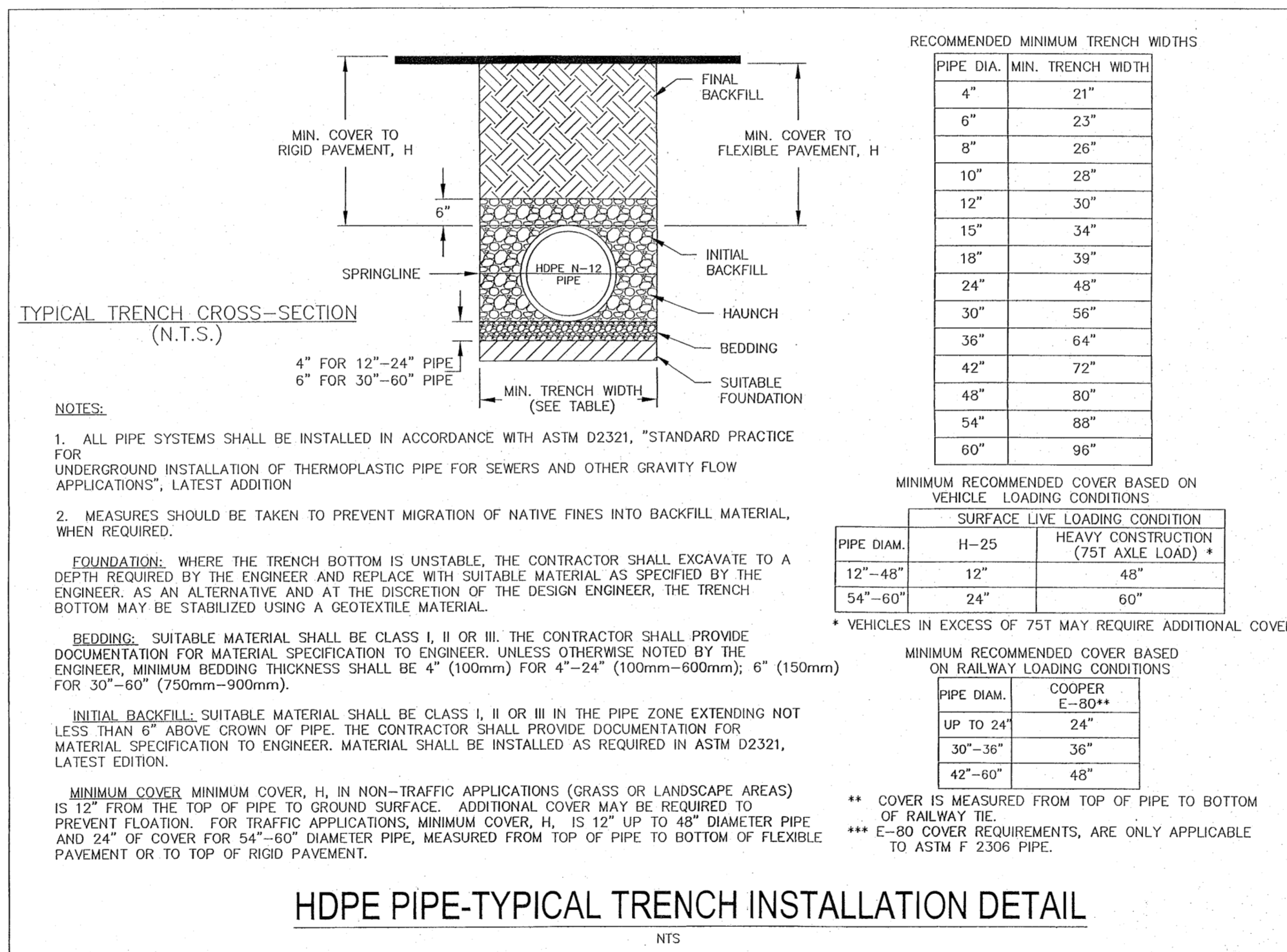


HDPE PIPE STRUCTURE CONNECTION DETAIL



RIP RAP DETAIL

NTS



TYPICAL TRENCH CROSS-SECTION (N.T.S.)

NOTES:

- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
- MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
- FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
- BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-800mm); 6" (150mm) FOR 30"-60" (750mm-900mm).
- INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE GROUND OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
- MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIA.	MIN. TRENCH WIDTH
4"	21"
6"	23"
8"	26"
10"	28"
12"	30"
15"	34"
18"	39"
24"	48"
30"	56"
36"	64"
42"	72"
48"	80"
54"	88"
60"	96"

MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS

PIPE DIA.	H-25	HEAVY CONSTRUCTION (75T AXLE LOAD)
12"-48"	12"	48"
54"-60"	24"	60"

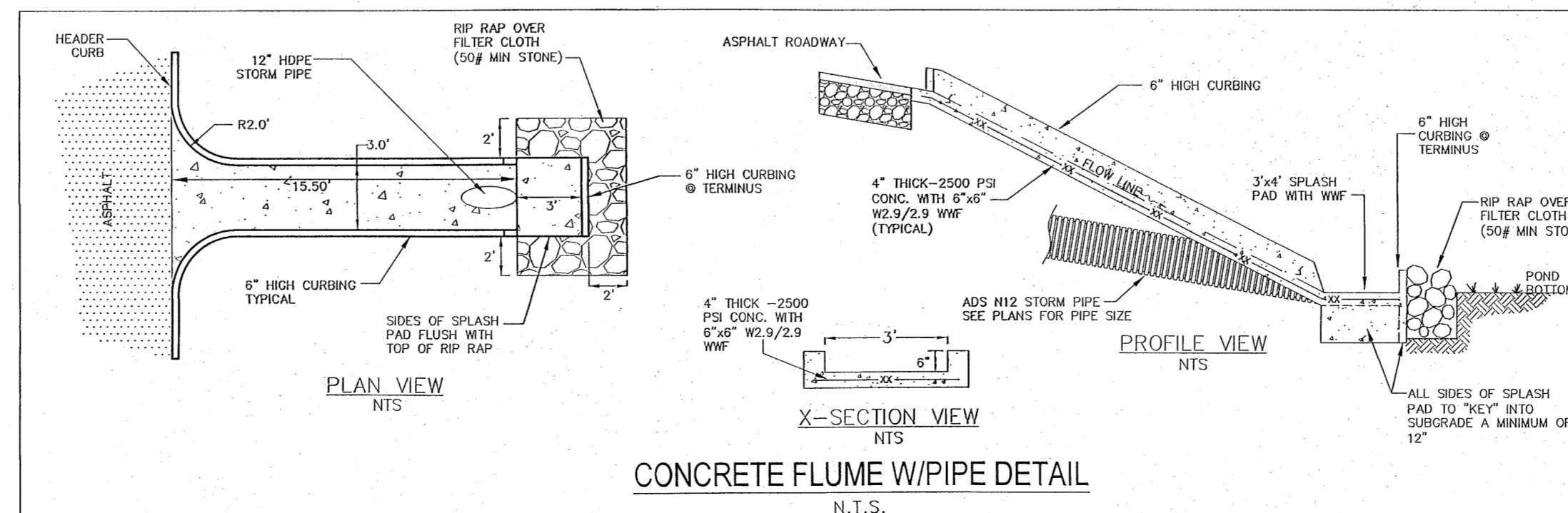
MINIMUM RECOMMENDED COVER BASED ON RAILWAY LOADING CONDITIONS

PIPE DIA.	COOPER
UP TO 24"	24"
30"-36"	36"
42"-60"	48"

** COVER IS MEASURED FROM TOP OF PIPE TO BOTTOM OF RAILWAY TIE.
 *** E-80 COVER REQUIREMENTS, ARE ONLY APPLICABLE TO ASTM F 2306 PIPE.

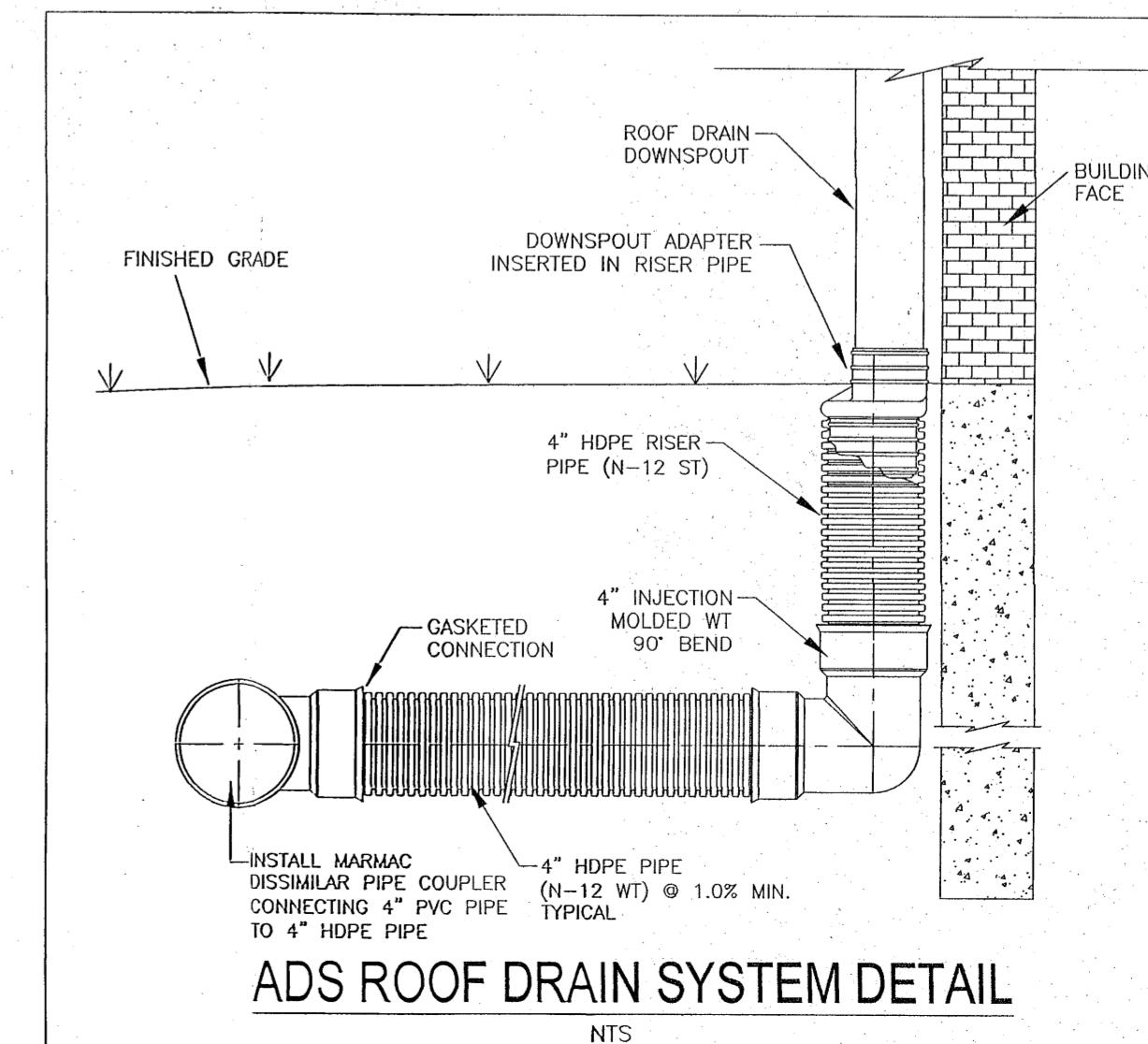
HDPE PIPE-TYPICAL TRENCH INSTALLATION DETAIL

NTS



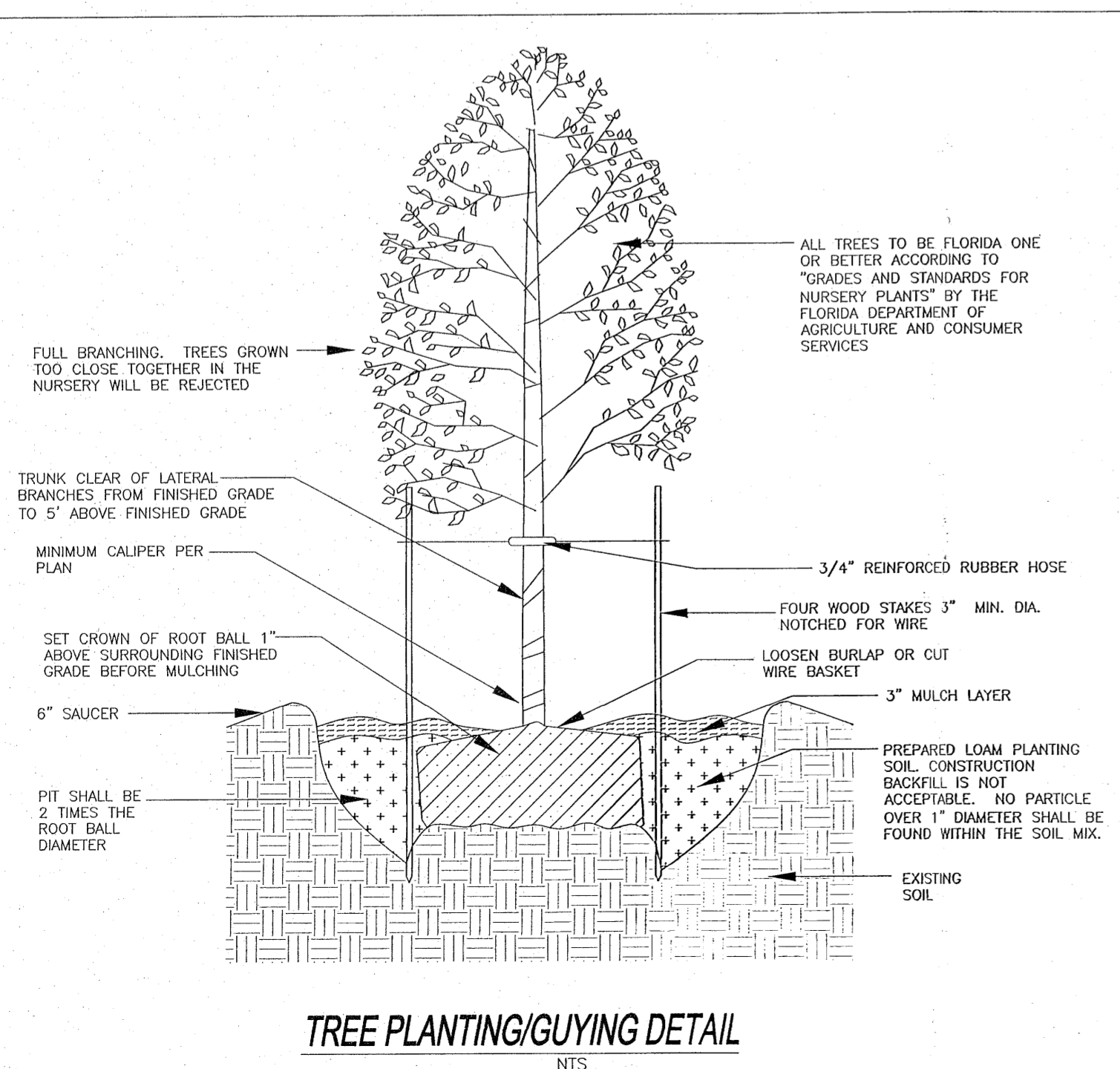
CONCRETE FLUME W/PIPE DETAIL

N.T.S.



ADS ROOF DRAIN SYSTEM DETAIL

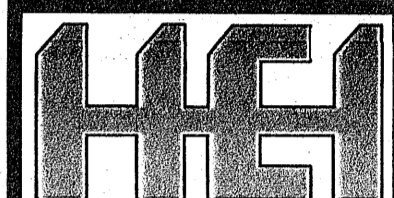
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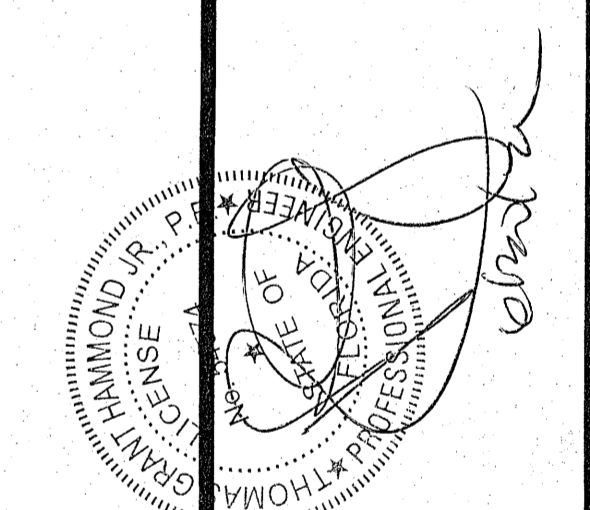
TREE PLANTING/GUYING DETAIL

NTS

NO.	DATE	REVISIONS
1	06/21/22	REVISED PLANS AS PER ECUA INITIAL REVIEW COMMENTS
2	06/22/22	REVISED PLANS AS PER ESCAMBIA COUNTY INITIAL REVIEW COMMENTS

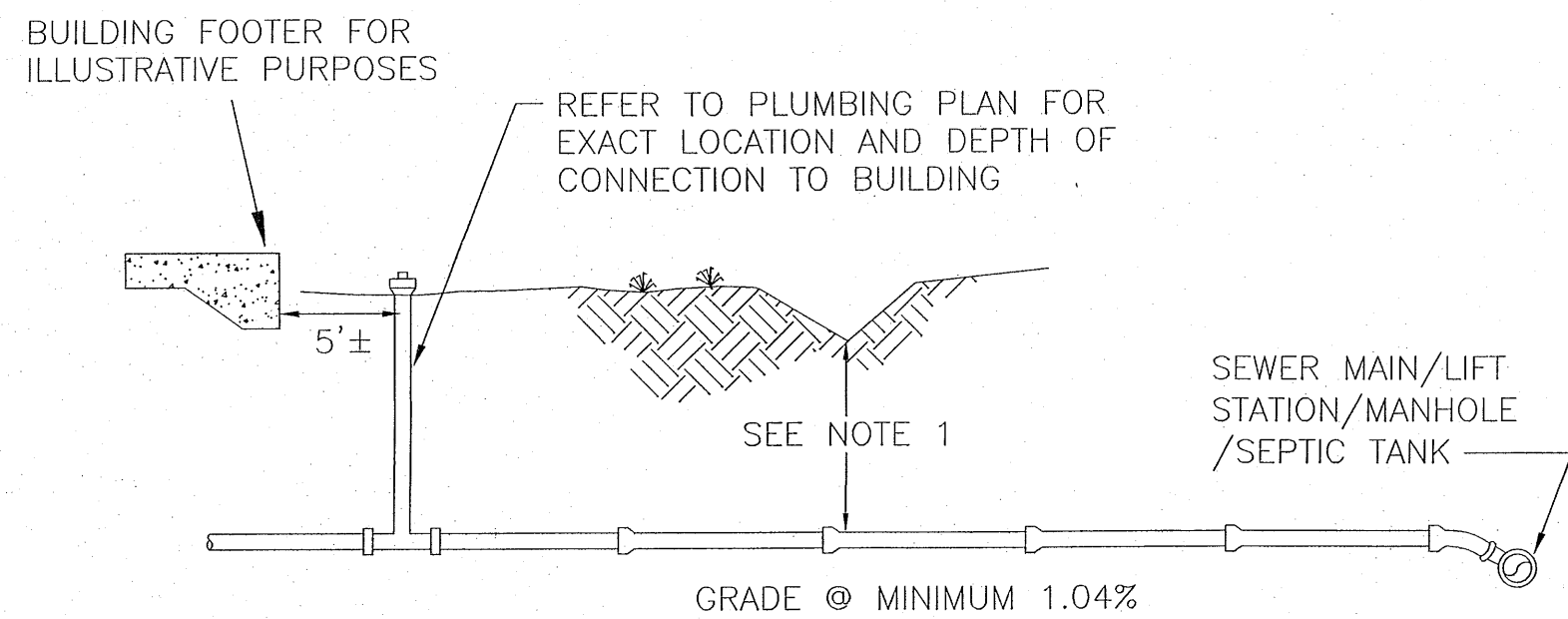


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 850 434-2603
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 TOM@SELANDESIGN.COM



SITE DEVELOPMENT PLANS FOR GROSS AND SON CUSTOMER SERVICE BUILDING CONSTRUCTION DETAILS ESCAMBIA COUNTY FLORIDA

DRAWN BY: CUG	PROJECT NO: 21-039
DESIGNED BY: PLS	SHEET: C11
CHECKED BY: TGH	
DATE: 08-12-22	
SCALE: AS SHOWN	
NOT RELEASED FOR CONSTRUCTION	
BY: _____	DATE: _____

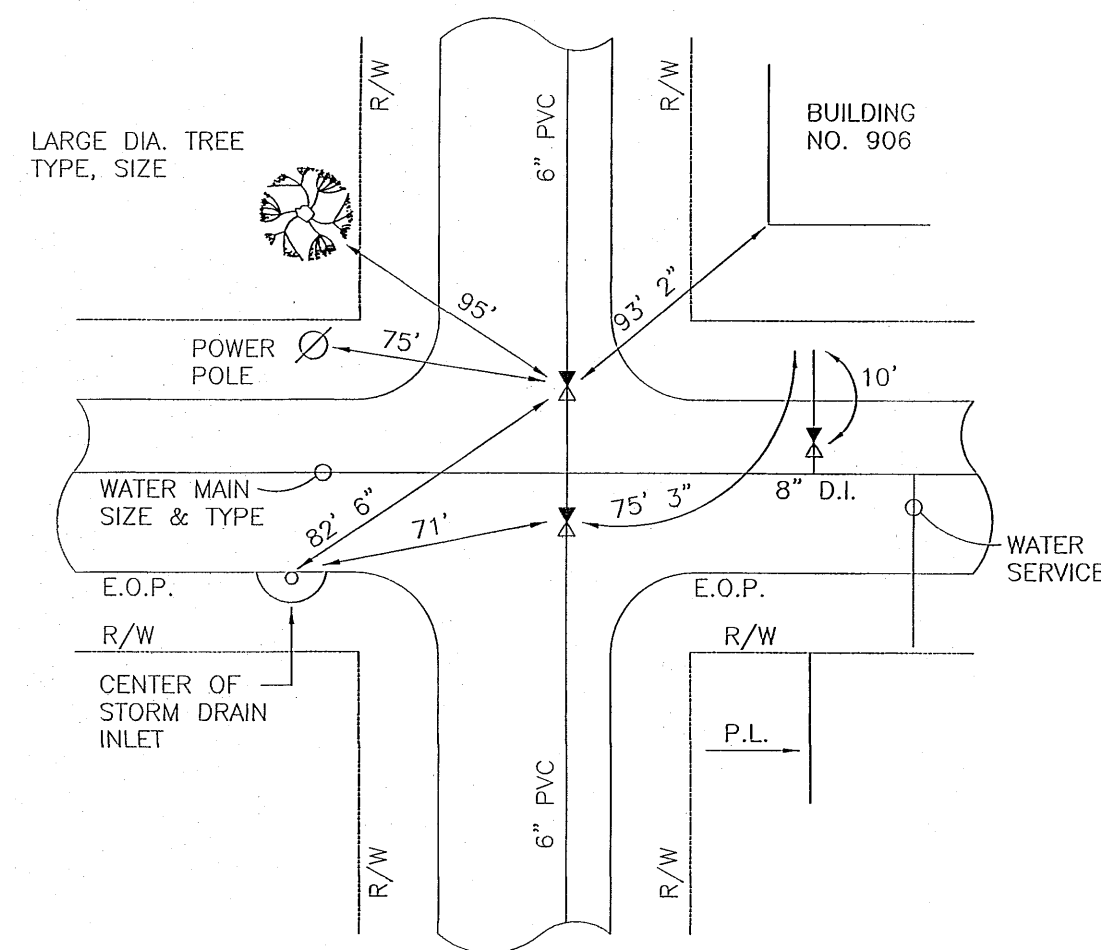
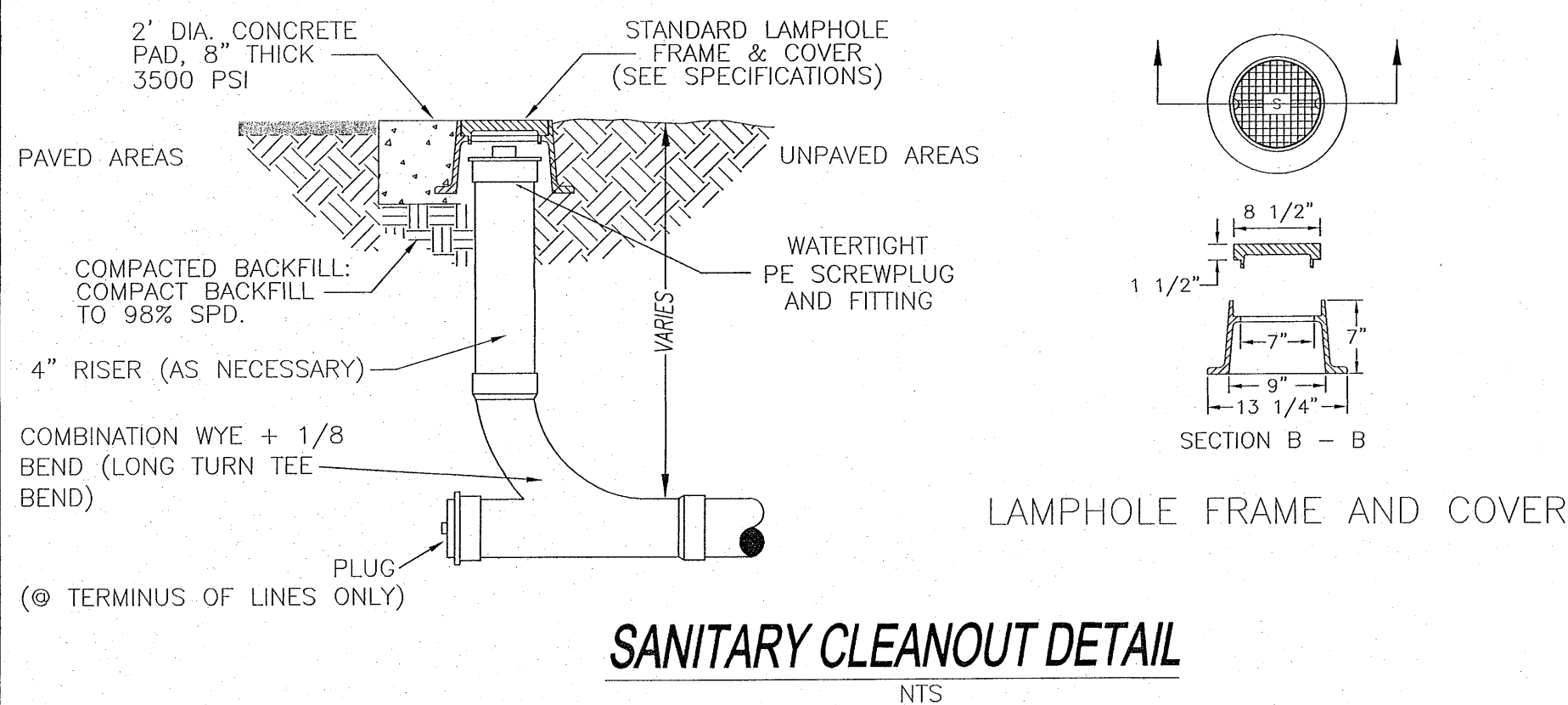


TYPICAL LATERAL SEWER SERVICE

NTS

NOTES:

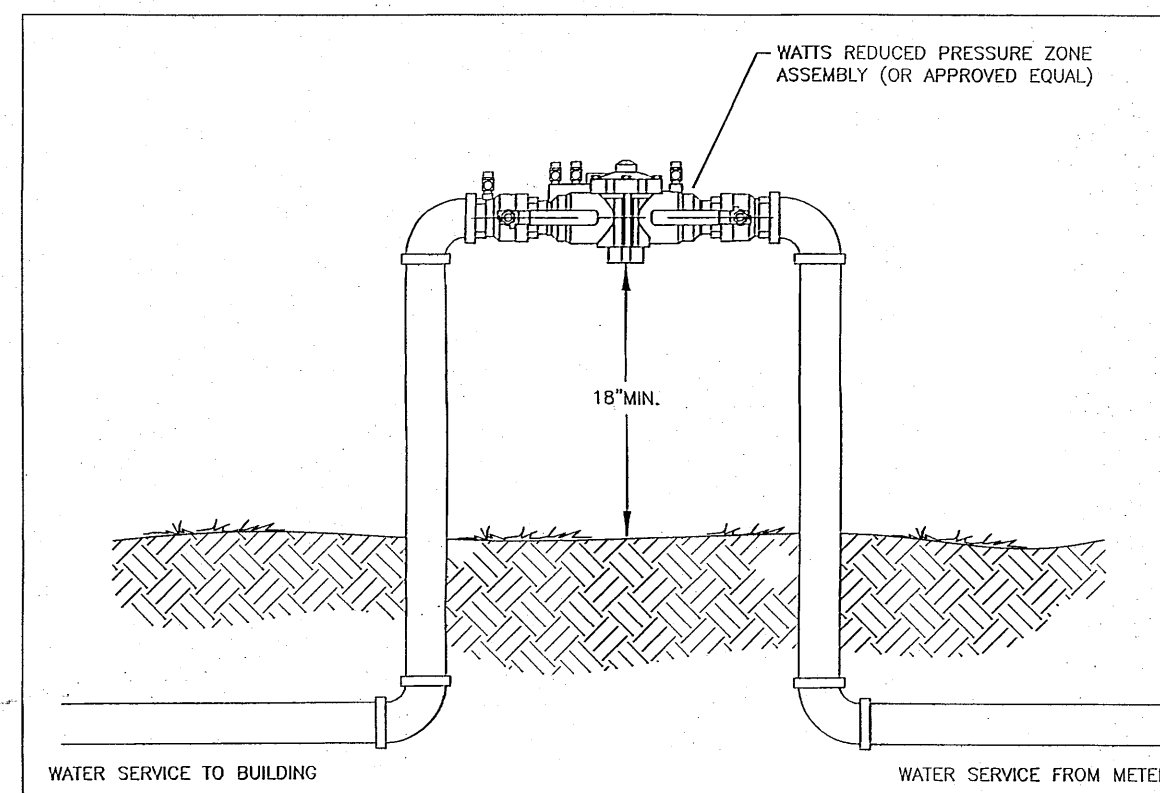
1. MAINTAIN 18" MINIMUM COVER OR USE 6 L.F. CONCRETE ENCASEMENT
2. ALL LATERALS TO BE 4" Ø PVC 3034 DR SEWER PIPE UNLESS FLOW DICTATES A LARGER DIAMETER.
3. A CLEAN OUT SHALL BE PROVIDED WITHIN 5 FT OF BUILDING WHERE THE SEWER LATERAL EXITS



1. AS BUILT DRAWINGS WILL BE PREPARED INDICATING LOCATIONS OF ALL SERVICES, LOCATIONS AND TYPES OF ALL FITTINGS, WITH RESPECT TO LOT CORNERS, LOCATIONS OF ALL VALVE AND DEAD END RUNS WITH THREE (3) TIES TO PHYSICAL FEATURES (BUILDING CORNERS, MANHOLES, EXISTING STRUCTURES, POWER POLES, STORM DRAIN INLETS, CENTER OF FIRE HYDRANTS, FACE OF LARGE DIAMETER TREES > 18").
2. AS BUILT DRAWINGS MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL BEFORE A LETTER OF ACCEPTANCE WILL BE ISSUED.
3. CONTRACTOR SHALL ALSO PROVIDE CERTIFIED AS-BUILTS BY A P.S.M. REGISTERED IN THE STATE OF FLORIDA IN DIGITAL AND HARD COPY SIGNED AND SEALED. THE AS-BUILTS SHALL BE IN STATE PLANE COORDINATES.

AS-BUILT REQUIREMENTS

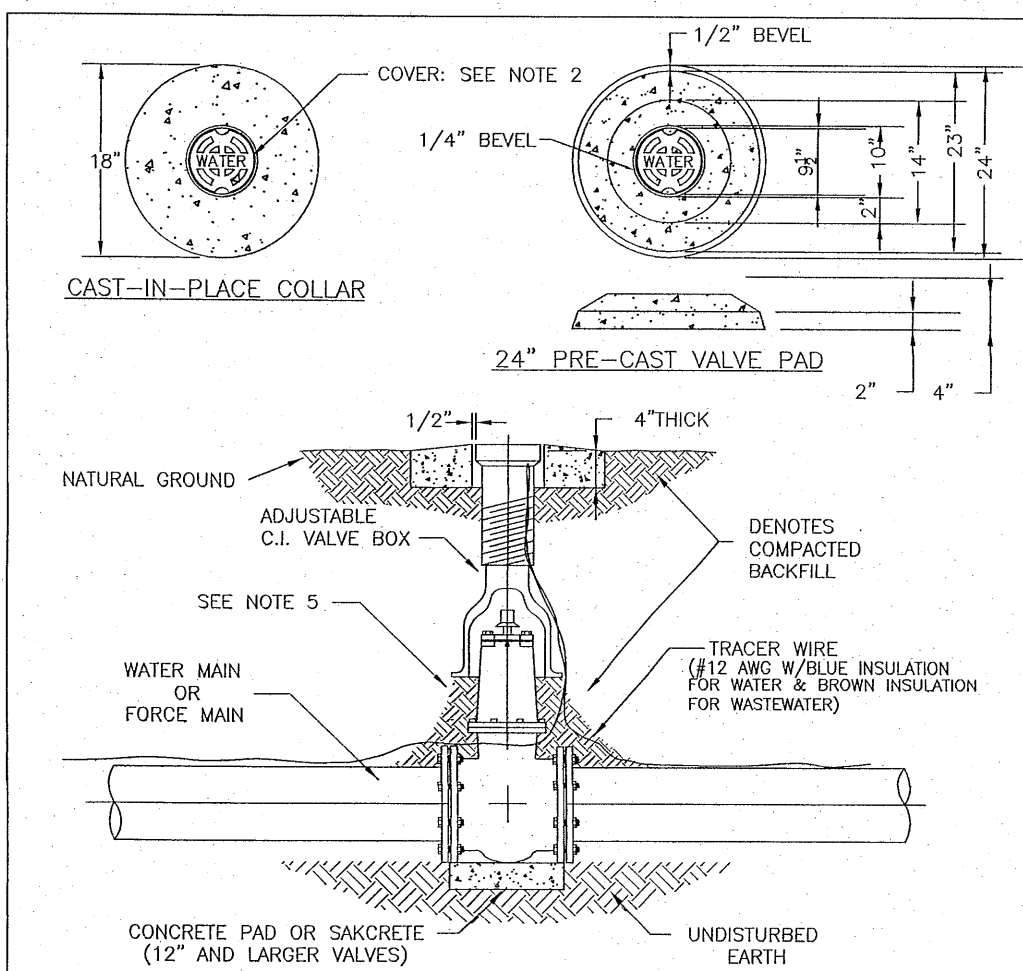
N.T.S.



REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION DEVICE

NTS

- NOTES:
1. WHERE ABOVE GROUND WATER-FILLED SUPPLY PIPES, RISERS, SYSTEM RISERS, OR FEED MAINS PASS THROUGH OPEN AREAS, COLD ROOMS, PASSAGEWAYS, OR OTHER AREAS EXPOSED TO FREEZING TEMPERATURES, THE PIPE SHALL BE PROTECTED AGAINST FREEZING BY THE FOLLOWING:
 - A. INSULATING COVERINGS
 - B. FROSTPROOF CASINGS
 - C. OTHER RELIABLE MEANS CAPABLE OF MAINTAINING A MINIMUM TEMPERATURE BETWEEN 40°F AND 120°F (4°C AND 48.9°C)
 2. BACKFLOW PREVENTION DEVICE TO BE INSTALLED AS PER 2014 FLORIDA BUILDING CODE.
 3. LOCATE BACKFLOW PREVENTER ON THE DEVELOPER SIDE OF THE METER BOX.
 4. BACKFLOW PREVENTER TO BE TESTED AFTER INSTALLATION AND PRIOR TO SERVICE BEING TURNED ON.
 5. THRUST BLOCKS NOT ILLUSTRATED BUT SHALL BE INSTALLED AS NECESSARY.

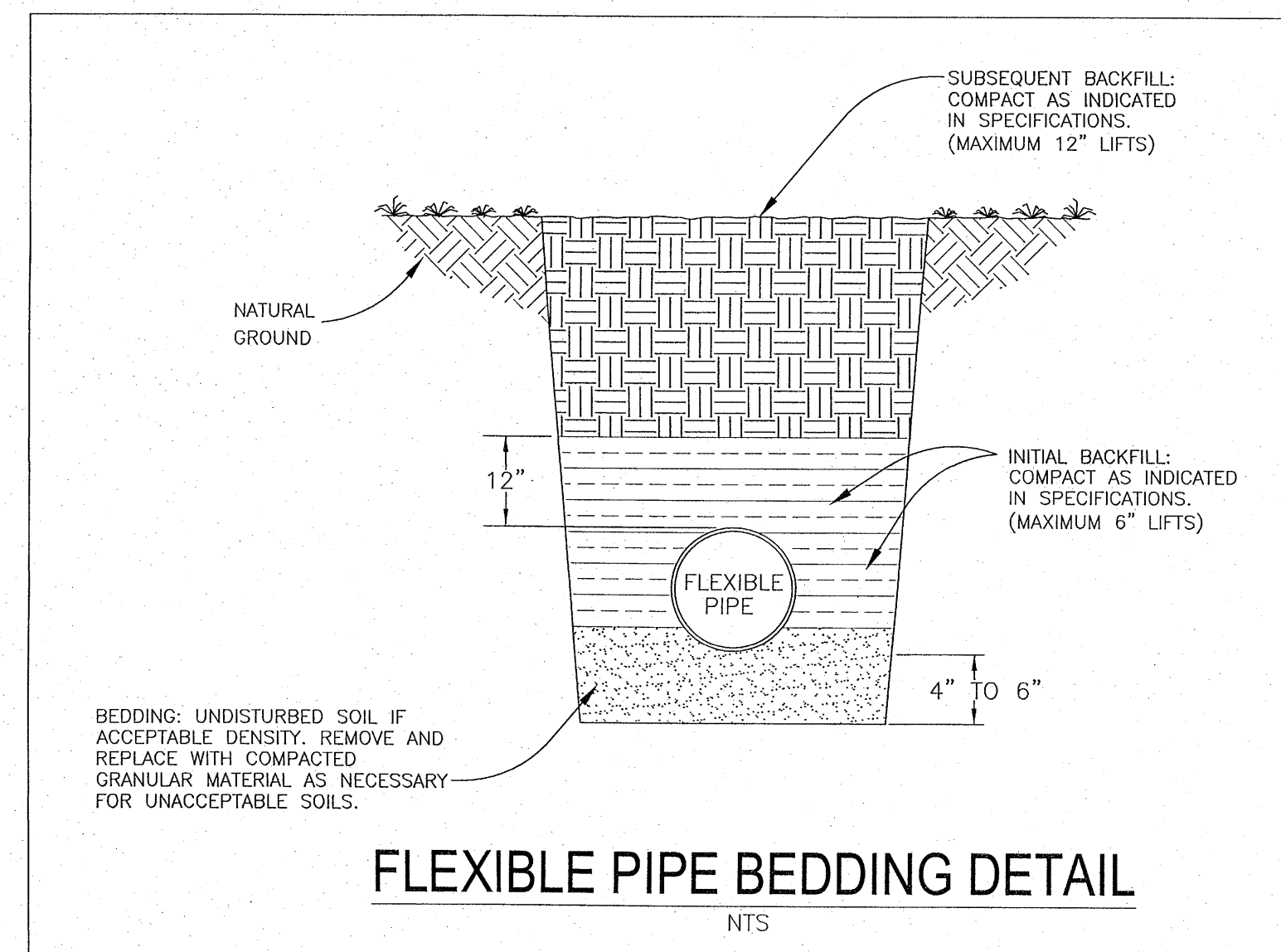


TYPICAL VALVE & BOX INSTALLATION

NTS

NOTES:

1. VALVE BOX AND BOOT SHALL BE CAST IRON.
2. VALVE COVER SHALL BE MARKED "WATER" OR "SEWER" AS APPLICABLE.
3. VALVE BOX TOP SHALL BE FLUSH WITH FINISHED GRADE OR 1/2" ABOVE NATURAL GROUND LEVEL.
4. GATE VALVE SHALL BE RESILIENT SEAT WITH MECHANICAL JOINT ENDS OR APPROVED EQUIVALENT.
5. EARTH UNDER FLANGE OF VALVE BOX & COLLAR TO BE FIRM AND WELL TAMPED TO ENSURE AGAINST VALVE BOX SETTLING.



FLEXIBLE PIPE BEDDING DETAIL

NTS

OTHER PIPE	HORIZONTAL SEPARATION	CROSSINGS (1)	JOINT SPACING CROSSINGS (FULL JOINT CENTERED)
STORM SEWER, STORMWATER FORCE MAIN	<p>3 FT. MINIMUM</p>	<p>12 INCHES IS THE MINIMUM, EXCEPT FOR STORM SEWER, THEN 8 INCHES IS THE MINIMUM AND 12 INCHES IS PREFERRED</p>	<p>ALTERNATE 3 FT. MINIMUM</p>
GRAVITY OR PRESSURE SANITARY SEWER, SANITARY SEWER FORCE MAIN	<p>10 FT. PREFERRED 6 FT. MINIMUM (2)</p>	<p>12 INCHES IS THE MINIMUM, EXCEPT FOR GRAVITY SEWER, THEN 8 INCHES IS THE MINIMUM AND 12 INCHES IS PREFERRED</p>	<p>ALTERNATE 6 FT. MINIMUM</p>

- (1) WATER MAIN SHOULD CROSS ABOVE OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12 INCHES.
 (2) 3 FT. GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.

NOTES:

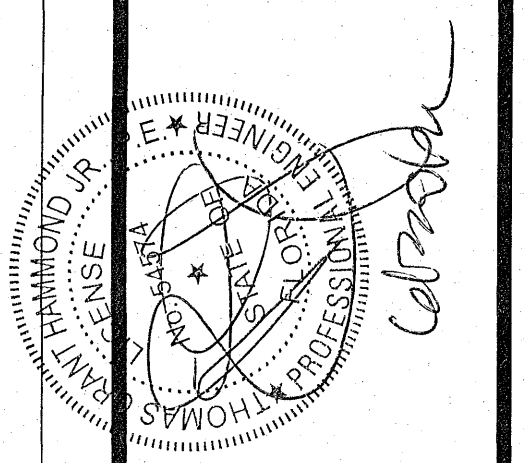
- A. INFORMATION PROVIDED FROM FDEP RULE 62-555. IF OTHER FDEP RULES CONFLICT, THEN USE THE MOST STRINGENT RULE.
- B. IF THERE ARE CONFLICTS IN THE SEPARATION REQUIREMENTS BETWEEN COLLECTION SYSTEMS AND DRINKING WATER FACILITIES ESTABLISHED IN FOOTNOTES (1) AND (2) ABOVE THOSE ESTABLISHED IN CHAPTER 62-532 OR 62-555, F.A.C., THEN THE REQUIREMENTS IN CHAPTER 62-532 OR 62-555, F.A.C., SHALL APPLY

WATER SEWER/SEPARATION

NO.	DATE	REVISIONS
1	06/21/22	REVISED PLANS AS PER ECUA INITIAL REVIEW COMMENTS
2	06/22/22	REVISED PLANS AS PER ESCAMBIA COUNTY INITIAL REVIEW COMMENTS

HE

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SITE DEVELOPMENT PLANS FOR GROSS AND SON CUSTOMER SERVICE BUILDING		UTILITY DETAILS	
DRAWN BY: CUB	DESIGNED BY: RLS	ESCAMBIA COUNTY	FLORIDA
CHECKED BY: TGH	DATE: 05-12-22	NOT RELEASED FOR CONSTRUCTION	BY: