

GENERAL NOTES:

1. CONTRACTOR IS REQUIRED TO VISIT SITE AND FAMILIARIZE HIM/HERSELF WITH THE PROJECT PRIOR TO BIDDING.
2. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL AND STATE REGULATIONS CONCERNING NOTIFICATION TO THE REGULATORY AUTHORITIES OF ANY AND ALL BUILDING RENOVATIONS AND/OR DEMOLITION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MONITORING AND NOTIFYING THE ENGINEER OF RECORD AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND CONCLUSION OF CONSTRUCTION, AS WELL AS SUPPLYING CLEAR AND LEGIBLE REVISIONS TO THE CONSTRUCTION PLANS FOR USE DURING AS-BUILT CERTIFICATION.
4. ALL DISTURBED AREAS WHICH ARE NOT PAVED ARE TO BE STABILIZED WITH SEEDING, FERTILIZER & MULCH, HYDROSEED AND/OR SOD (RECOMMEND CENTIPEDE, PENSACOLA BAHIA OR BERMUDA SOD). POND AND SWALE TOPS AND SIDES SHALL BE SODDED AND PINNED. ALL SOD PLACED ON SIDE SLOPES 4 TO 1 OR GREATER SHALL BE PINNED.
5. WHERE SOD IS BEING INSTALLED, TOPSOIL SHALL BE USED AS A BASE AT LEAST 3" DEEP.
6. AFTER THE SITE HAS BEEN BROUGHT TO PROPER GRADE FOR PLACEMENT OF TOPSOIL, AND IMMEDIATELY PRIOR TO DUMPING AND SPREADING THE TOPSOIL, THE SUBGRADE SHALL BE LOOSENEED BY DISKING OR SCARIFYING TO A DEPTH OF 2" TO INSURE BONDING OF THE TOPSOIL AND SODDING.
7. TOPSOIL SHALL NOT BE PLACED IN A MUDDY CONDITION, WHEN THE SUBGRADE IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND PROPOSED SODDING.
8. THE TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED TO A MINIMUM COMPACTED DEPTH OF 3".
9. ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.
10. COMPACT THE TOPSOIL ENOUGH TO ENSURE GOOD CONTACT WITH THE UNDERLYING SOIL AND TO OBTAIN A LEVEL SEED BED FOR THE ESTABLISHMENT OF HIGH MAINTENANCE TURF. AVOID UNDE COMPACTION.
11. CONTRACTOR IS TO MAINTAIN SODDING AND GRASSING BY WATERING, FERTILIZING, WEEDING, MOWING, TRIMMING AND OTHER OPERATIONS SUCH AS ROLLING, RE-GRADING AND REPLANTING AS REQUIRED TO ESTABLISH GRASSED/SODDED AREAS FREE OF ERODED OR BARE AREAS AND REPLACE ANY REJECTED MATERIALS PROMPTLY FROM THE SITE. CONTRACTOR IS TO INCLUDE COST OF MAINTAINING SODDING AND GRASSING IN THE BID.
12. CONTRACTOR SHALL INSTALL PRIOR TO THE START OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION ALL SEDIMENT CONTROL MEASURES AS REQUIRED TO RETAIN ALL SEDIMENTS ON THE SITE. IMPROPER SEDIMENT CONTROL MEASURES MAY RESULT IN A CODE ENFORCEMENT VIOLATION.
13. DEVELOPER/CONTRACTOR SHALL RESHAPE PER PLAN SPECIFICATIONS, CLEAN OUT ACCUMULATED SILT, AND STABILIZE ANY DISTURBED AREAS FOUND IN RETENTION POND AT END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND PRIOR TO REQUEST FOR INSPECTION.
14. CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION AND PROVIDE A TOPOGRAPHICAL SURVEY (CERTIFIED BY A STATE OF FLORIDA LICENSED SURVEYOR) OF THE PROJECT AREA WHICH ILLUSTRATES AS-BUILT CONDITIONS OF ALL WORK AND SITE IMPROVEMENTS, INCLUDING OF PIPING, DRAINAGE STRUCTURES, STORMWATER POND TOPOGRAPHY, SITE ELEVATIONS AND GRADING, OUTLET STRUCTURES, DIMENSIONS, ETC. THESE RECORD DRAWINGS ARE TO BE PROVIDED TO THE PROJECT ENGINEER PRIOR TO REQUESTING FINAL INSPECTION.
15. THE OWNER OR HIS AGENT SHALL ARRANGE/SCHEDULE WITH THE COUNTY INSPECTIONS OFFICE (850-595-3569) AN INSPECTION OF THE EROSION AND SEDIMENT CONTROL DEVICES PRIOR TO CONSTRUCTION, UNDERGROUND DRAINAGE STRUCTURES PRIOR TO BURIAL, ALL INTERMEDIATE INSPECTIONS AND THE FINAL INSPECTION OF THE DEVELOPMENT UPON COMPLETION. AS-BUILT CERTIFICATION IS REQUIRED PRIOR TO REQUEST FOR FINAL INSPECTION/APPROVAL.
16. EROSION SHALL BE CONTROLLED BY THE USE OF A HAY BALE BARRIER/SILT FENCE AS SHOWN ON PLANS AND SHALL BE SET UP PRIOR TO COMMENCING CONSTRUCTION. THE EROSION CONTROL BARRIER SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION BY THE CONTRACTOR. UPON COMPLETION OF THE PROJECT, THE DETENTION AREA SHALL BE CLEANED OF SILT & STABILIZATION OF ALL DISTURBED AREAS SHALL BE ACCOMPLISHED.
17. CONTRACTOR SHALL NOTIFY SUNSHINE ONE UTILITIES (1-800-432-4770) TWO FULL BUSINESS DAYS IN ADVANCE PRIOR TO DIGGING WITHIN R/W.
18. ALL ASPECTS OF THE STORMWATER/DRAINAGE COMPONENTS AND/OR TRANSPORTATION COMPONENTS SHALL BE COMPLETED PRIOR TO REQUESTING A FINAL INSPECTION AND ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY.
19. NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM BDI THE DESIGN ENGINEER AND THE ESCAMBIA COUNTY. ANY DEVIATIONS MAY RESULT IN DELAYS IN OBTAINING A CERTIFICATE OF OCCUPANCY.
20. RIGHT-OF-WAY SHOULDER STABILIZATION SHALL BE IN ACCORDANCE WITH F.O.D.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION).
21. ALL EXCESS MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER BY THE CONTRACTOR. IF THERE WILL BE TEMPORARY STOCKPILING OF MATERIALS ON THE SITE, THESE AREAS SHOULD CONTAIN EROSION CONTROL BMP'S (e.g. SILT FENCE, HAY BALES, ETC) AS NECESSARY.
22. ANY DAMAGE TO EXISTING ROADS DURING CONSTRUCTION WILL BE REPAIRED BY THE DEVELOPER PRIOR TO FINAL "AS-BUILT" SIGN OFF FROM THE COUNTY.
23. ALL BUILDING ROOF DRAINS, DOWN SPOUTS OR GUTTERS SHALL BE ROUTED TO CARRY ALL STORMWATER RUNOFF TO ON-SITE RETENTION BASIN.
24. CONTRACTOR TO COORDINATE WITH LOCAL UTILITY COMPANIES FOR REMOVAL AND RELOCATION OF EXISTING UTILITY POLES, AERIAL LINES, WATER LINES, GAS LINES AND OTHER UTILITIES AS NECESSARY.
25. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION AND IS RESPONSIBLE FOR ANY DAMAGE TO THEM DURING CONSTRUCTION.
26. UTILITY LOCATIONS ARE APPROXIMATE BASED ON LOCATION OF ABOVE GROUND APPURTENANCES, AND AS TAKEN FROM THE SURVEY. UNDERGROUND UTILITIES NOT SHOWN HEREIN MAY EXIST.
27. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
28. CONTRACTOR SHALL COMPLY WITH ANY TESTING REQUIRED BY STATE AND LOCAL GOVERNING AGENCIES SUCH AS ASPHALT CORES AND SUB-BASE/BASE COMPACTION TESTING.
29. THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY CONFLICTS BETWEEN VENDOR DRAWINGS, EXISTING CONDITIONS AND THE CONSTRUCTION DOCUMENTS.
30. CONTRACTOR TO PROVIDE PROTECTION TO TREES THAT ARE TO REMAIN VIA TREE PROTECTION BARRIERS, REFER TO EROSION CONTROL PLAN FOR MORE INFORMATION.
31. TRENCING OR GRADING AROUND TREES TO REMAIN SHALL BE AWAY FROM THE TREE IN A MANNER TO CAUSE NO DAMAGE TO THE TREE'S CRITICAL ROOT ZONE. THE CRITICAL ROOT ZONE IS REPRESENTED BY A CIRCLE, CENTERED ON THE TREE TRUNK AND HAVING A RADIUS OF ONE FOOT FOR EACH ONE INCH OF TRUNK DIAMETER (DBH). REFER TO LANDSCAPING PLAN FOR ADDITIONAL INFORMATION.

SIGNAGE:

FREESTANDING SIGNAGE:

ONE (1) FREESTANDING SIGN STRUCTURE ALLOWED PER PARCEL STREET FRONTAGE (DEVELOPMENT PARCEL IS LESS THAN 3 AC.). STRUCTURES SHALL BE PLACED NO LESS THAN 200 LF FROM ANY OTHER NON-EXEMPT SIGN STRUCTURES ON THE SAME PARCEL, EXCLUDING BILLBOARDS. SIGNS SHALL NOT BE PLACED ON PUBLIC PROPERTY, INCLUDING PUBLIC RIGHTS-OF-WAYS, OR PLACED ON PRIVATE PROPERTY IN ANY MANNER THAT PROJECTS OR EXTENDS A SIGN OVER PUBLIC PROPERTY, WITHOUT APPLICABLE PUBLIC AGENCY AUTHORIZATION AND PERMITS. SIGN SHALL NOT OBSTRUCT VISION ON PRIVATE PROPERTY ALONG A STREET RIGHT-OF-WAY BETWEEN THREE FEET AND NINE FEET ABOVE GRADE WITHIN TEN FEET OF THE RIGHT OF WAY.

W NAVY BOULEVARD/SR 30 (ARTERIAL STREET):  
FREESTANDING SIGNAGE SHALL BE LIMITED TO ONE SIGN A MAXIMUM OF 250 SF (250' FRONTAGE \* 1 SF/LF OF FRONTAGE) IN AREA AND A MAXIMUM OF 35 LF IN HEIGHT.

EHRMANN STREET (LOCAL STREET):  
FREESTANDING SIGNAGE SHALL BE LIMITED TO ONE SIGN A MAXIMUM OF 100 SF (100' FRONTAGE \* 1 SF/LF OF FRONTAGE) IN AREA AND A MAXIMUM OF 20 LF IN HEIGHT.

WALL SIGNAGE:

W NAVY BOULEVARD FRONTAGE (ARTERIAL/FOUR-LANE ST.): THE MAXIMUM WALL SIGN AREA SHALL BE LIMITED TO 250 SF (2.50 SF \* 100 LF BLDG. FRONTAGE)

EHRMANN STREET FRONTAGE (LOCAL ST.): THE MAXIMUM WALL SIGN AREA SHALL BE LIMITED TO 360 SF (2.25 SF \* 160 LF BLDG. FRONTAGE)

EACH BUILDING, OR EACH TENANT SPACE OF A MULTI-TENANT BUILDING, MAY HAVE MULTIPLE WALL SIGNS, BUT THE TOTAL WALL SIGN AREA ON A BUILDING OR TENANT WALL SHALL NOT EXCEED THE ALLOWANCE FOR THAT WALL. UNUSED SIGN AREA ON ONE BUILDING OR TENANT WALL IS NOT AVAILABLE TO ANY OTHER BUILDING OR TENANT WALL. THE CALCULATED MAXIMUM WALL SIGN AREA OF 100 SF IS FOR THE FRONT WALL.

A VALID ESCAMBIA COUNTY SIGN PERMIT MUST BE OBTAINED PRIOR TO ERCTING, CONSTRUCTING, ALTERING OR RELOCATING ANY SITE SIGNAGE. FOR SIGNS PLACED ON A CORNER, THE SIDE SETBACK WILL BE DETERMINED BY MEASURING 35' ALONG THE INTERSECTIONS OF THE TWO PUBLIC RIGHTS OF WAY.

JURISDICTIONAL CONTACTS:

ESCAMBIA COUNTY DEVELOPMENT SERVICES  
3363 WEST PARK PLACE  
PENSACOLA, FL 32505  
PHONE NO.: (850)-595-3475  
FAX NO.: (850)-595-3481

EMERALD COAST UTILITIES AUTHORITY  
9255 STURDEVANT STREET  
PENSACOLA, FL 32514  
PHONE NO.: (850)-476-5110  
FAX NO.: 850-494-7346

PEOPLES WATER SERVICE COMPANY  
905 LOWME AVE  
PENSACOLA, FL 32507  
PHONE NO.: (850)-455-8553

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT  
700 US HIGHWAY 331 SOUTH  
DEPUKIA SPRINGS, FL 32435  
PHONE NO.: (850)-951-4660  
FAX NO.: (850)-892-8007

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FL 32399  
PHONE NO.: (866)-336-6312  
FAX NO.: (850)-297-1211

FLORIDA DEPARTMENT OF TRANSPORTATION  
6025 OLD BAGDAD HIGHWAY  
PENSACOLA, FL 32563  
PHONE NO.: (850)-981-3000  
FAX NO.: (850)-981-2719

NO.	DATE	REVISIONS
△	11/08/21	REVISED PLANS AS PER ESAMBIA COUNTY DRC REVIEW COMMENTS

# SITE DEVELOPMENT PLANS FOR BGS MARINE

## SECTION 38 TOWNSHIP 2 SOUTH, RANGE 30 WEST ESCAMBIA COUNTY, FLORIDA

3904 W NAVY BOULEVARD  
PENSACOLA, FL 32507

OWNER/DEVELOPER:  
DAN BOKLAGE  
THALASSIC HOLDINGS LLC  
3401-A W NAVY BOULEVARD  
PENSACOLA, FL 32505  
(972)-897-0312

PROPERTY I.D NO: 38-2S-30-1000-170-006  
ZONING DESIGNATION: COM  
ADJACENT ZONING: COM/HDMU  
FLU DESIGNATION: MU-U  
ADJACENT FLU: C

CU-2021-08 APPROVED ON MARCH 17, 2021 FOR  
BOAT SALES IN THE COM ZONING DISTRICT

INDEX OF DRAWINGS:

- C1 ~ COVER
- C2 ~ EXISTING CONDITIONS
- C3 ~ DEMOLITION & EROSION CONTROL PLAN
- C4 ~ STORMWATER POLLUTION PREVENTION PLAN
- C5 ~ SITE PLAN
- C6 ~ GRADING & DRAINAGE PLAN
- C7 ~ UNDERGROUND STORMWATER PLAN
- C8 ~ UTILITY PLAN
- C9 ~ LANDSCAPING PLAN
- C10 ~ FDOT '660' PLAN
- C11 ~ EROSION CONTROL DETAILS
- C12 ~ CONSTRUCTION DETAILS
- C13 ~ DRAINAGE DETAILS
- C14 ~ DRAINAGE DETAILS
- C15 ~ UTILITY DETAILS
- C16 ~ FDOT DETAILS



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@SELANDDESIGN.COM

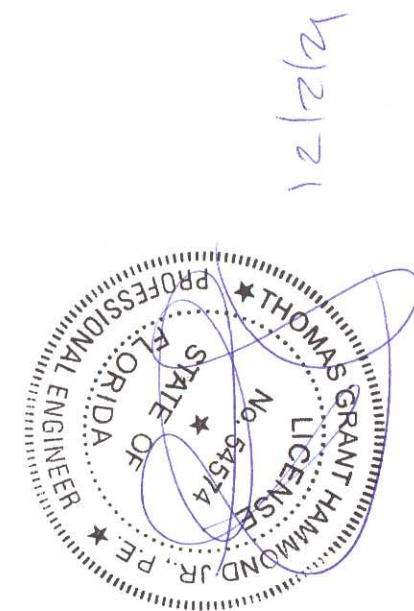
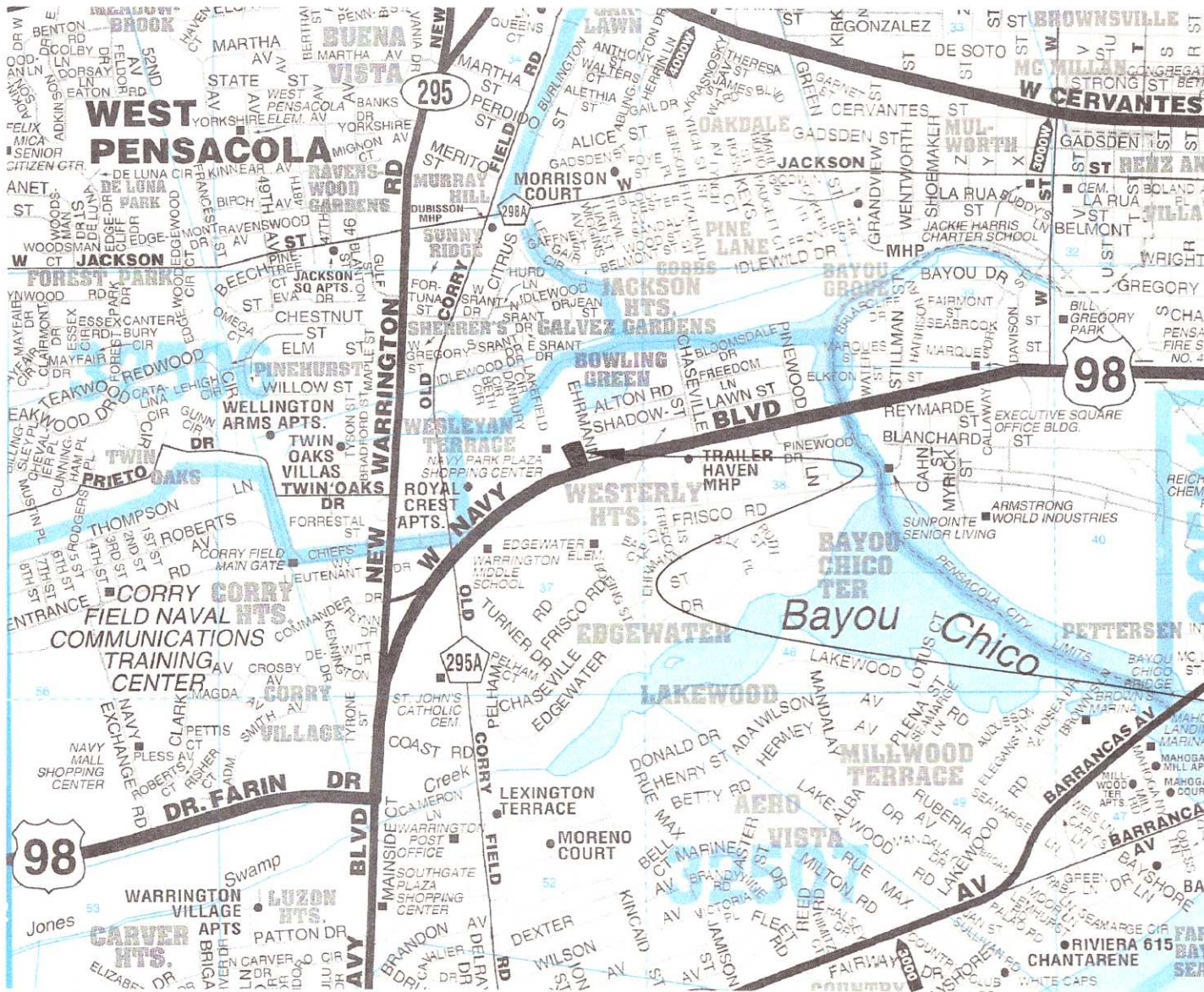
REVISED NOVEMBER 8, 2021  
HEI PROJECT #: 21-040

GENERAL NOTES:

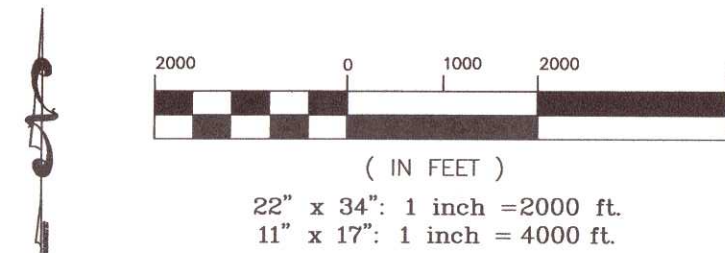
32. CONTRACTOR SHALL CONSTRUCT TEMPORARY MEASURES AND SUPPORT TO ACCESS THE SITE AND SHALL INCLUDE THE COST FOR SAME IN THE BID. CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE SATISFACTION OF THE OWNER AND/OR GOVERNING AGENCY.
33. CONTRACTOR SHALL COORDINATE HIS WORK AND COOPERATE WITH OTHER CONTRACTORS WORKING AROUND THE PROJECT AREA.
34. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING SPILLS OF POTENTIALLY HAZARDOUS SUBSTANCES (I.E. GASOLINE, DIESEL FUEL, HYDRAULIC FLUID, ETC.) TO THE APPROPRIATE STATE (FDEP STATE WARNING POINT 1-800-320-0519) AND LOCAL (ESCAMBIA COUNTY HEALTH DEPT. 850-595-6700) AGENCIES.
35. SOLID WASTE SHALL BE KEPT IN AN APPROVED DUMPSTER THROUGHOUT CONSTRUCTION ACTIVITIES.
36. ALL VALVE BOXES SHALL BE SET FLUSH WITH GRADE(IF APPLICABLE).
37. ADEQUATE PROVISIONS SHALL BE MADE FOR FLOW OF SEWERS, DRAINS, AND WATER COURSES ENCOUNTERED DURING CONSTRUCTION.
38. THE CONTRACTOR SHALL FLUSH AND CLEAN ALL STORMWATER PIPES AND STRUCTURES AT END OF CONSTRUCTION AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED.
39. PLACEMENT OF UNDERGROUND SYSTEMS, IRRIGATION, SEWER, WATER, DRAINAGE, ELECTRICAL, GAS, ETC. SHALL BE COMPLETED PRIOR TO LANDSCAPE INSTALLATION.
40. PROPERTY OBSTRUCTIONS WHICH ARE TO REMAIN IN PLACE SUCH AS BUILDINGS, SEWERS, DRAINS, WATER OR GAS PIPES, ELECTRICAL, CONDUITS, POLES, WALLS, POSTS, ETC. ARE TO BE CAREFULLY PROTECTED AND ARE NOT TO BE DISPLACED UNLESS NOTED.
41. THE CONTRACTOR SHALL ADHERE TO ALL LOCAL, STATE AND FEDERAL AGENCIES RULES CONCERNING SAFETY.
42. CONTRACTOR SHALL PLACE AND MAINTAIN ADEQUATE BARRICADES, CONSTRUCTION SIGNS, FLASHING LIGHTS, TORCHES, RED LANTERNS, AND GUARDS DURING PROGRESS OF A CONSTRUCTION WORK AND UNTIL IT IS SAFE FOR BOTH PEDESTRIAN AND VEHICULAR TRAFFIC.
43. CONTRACTOR SHALL INCLUDE IN HIS BID ANY COST ASSOCIATED WITH DE-WATERING AND DE-MUCKING FOR INSTALLATION OF REQUIRED INFRASTRUCTURE (IF APPLICABLE).
44. THE CONTRACTORS MEANS AND METHODS OF GROUNDWATER DE-WATERING SHALL COMPLY WITH ALL REGULATORY REQUIREMENTS FOR THE TEMPORARY DIVERSION OF GROUNDWATER AND ITS DISCHARGE, INCLUDING FAC CHAPTER 62-621.300(2) "GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUNDWATER FROM ANY NON-CONTAMINATED SITE ACTIVITY" (IF APPLICABLE)
45. CONTRACTOR SHALL INCLUDE IN HIS BID ANY COST ASSOCIATED WITH SELECT BACKFILL FOR INSTALLATION OF ANY INFRASTRUCTURE.
46. CONTRACTOR SHALL CLEAN UP ENTIRE SITE INCLUDING STAGING AREAS AT LEAST TWO TIMES PER WEEK. THIS SHALL INCLUDE LOCATING TRASH/SCRAP RECEPTACLES AT APPROPRIATE LOCATIONS AROUND THE SITE. CONTRACTOR SHALL PICK UP ALL ROCKS, METAL, PIPE, NAILS, NUTS, BOLTS, BOARDS, PAPER, TRASH, ETC. AT LEAST TWICE A WEEK. CONTRACTOR SHALL INCLUDE COST OF SAME IN BID.
47. CONTRACTOR SHALL RESTORE ALL STAGING AREAS TO AS GOOD AS OR BETTER CONDITION THAN EXISTED PRIOR TO CONSTRUCTION. THIS INCLUDES IRRIGATION AND SOD REPLACEMENT IF NECESSARY. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 30 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEEDING PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE.
48. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A THICKNESS OF TWO (2) TO FOUR (4) INCHES MIXED WITH THE TOP TWO (2) INCHES OF SOIL.
49. ANY SLOPES RECEIVING INFRASTRUCTURE INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS (I.E. SLOPES GREATER THAN 3:1)
50. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET. TEMPORARY VEGETATION COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED IN ACCORDANCE WITH STANDARDS FOR EROSION CONTROL.
51. ALL SOIL WASHED, DROPPED, SPILLED OR TRACKED OUTSIDE THE LIMITS OF DISTURBANCE OR ONTO PUBLIC RIGHT OF WAY WILL BE REMOVED IMMEDIATELY.
52. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.
53. ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE #48 ABOVE.
54. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
55. ALL SEDIMENTATION STRUCTURES SHALL BE INSPECTED AND MAINTAINED REGULARLY.
56. ANY DIRT THAT RUNS OFF OF THE PROJECT SITE ONTO PUBLIC STREETS SHALL BE REMOVED AND CLEANED IMMEDIATELY. FAILURE TO COMPLY CAN RESULT IN CODE ENFORCEMENT ACTION.
57. ANY AREAS USED FOR THE CONTRACTORS STAGING, INCLUDED BUT NOT LIMITED TO, TEMPORARY STORAGE OF STOCKPILED MATERIALS (I.E. CRUSHED STONE, QUARRY PROCESS STONE, SELECT FILL, EXCAVATED MATERIALS, ETC) SHALL BE ENTIRELY PROTECTED BY A SILT FENCE ALONG THE LOW ELEVATION SIDE TO CONTROL SEDIMENT RUNOFF.
58. ALL CONSTRUCTION METHODS AND MATERIALS MUST CONFORM TO CURRENT ESCAMBIA COUNTY, FDEP, AND ECMA STANDARDS AND REQUIREMENTS.
59. FOR SITES WITH DISTURBANCE EXCEEDING 1 ACRE, TO COMPLY WITH NPDES REQUIREMENTS, THE CONTRACTOR SHALL SUBMIT AN NPDES NOTICE OF INTENT TO FDEP A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ADDITIONALLY, ALL EROSION CONTROL MEASURES SHALL BE INSPECTED AFTER EACH 1/2" RAINFALL EVENT OR AT LEAST WEEKLY. CERTIFIED STORMWATER MANAGEMENT INSPECTOR SHALL DOCUMENT SUCH INSPECTIONS AND EROSION CONTROL EFFORTS. INSPECTION RECORDS SHOULD BE ON HAND AT ALL TIMES AND PROVIDED TO ANY FDEP REPRESENTATIVE THAT MAY VISIT THE SITE DURING CONSTRUCTION.
60. THE PROJECT ENGINEER (ENGINEER OF RECORD) SHALL PROVIDE TO ESCAMBIA COUNTY "AS-BUILT" RECORD DRAWINGS FOR VERIFICATION AND APPROVAL ONE WEEK PRIOR TO REQUESTING A FINAL INSPECTION AND CERTIFICATE OF OCCUPANCY, OR PROVIDE "AS-BUILT" CERTIFICATION THAT THE PROJECT CONSTRUCTION ADHERES TO THE PERMITTED PLANS AND SPECIFICATIONS. THE "AS-BUILT" CERTIFICATION OR "AS-BUILT" RECORD DRAWINGS MUST BE SIGNED, SEALED AND DATED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER.
61. RETENTION/DETENTION AREAS SHALL BE SUBSTANTIALLY COMPLETE PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT MAY INCREASE STORMWATER RUNOFF RATES. THE CONTRACTOR SHALL CONTROL STORMWATER DURING ALL PHASES OF CONSTRUCTION AND TAKE ADEQUATE MEASURES TO PREVENT THE EXCAVATED POND FROM BLINDING DUE TO SEDIMENTS.
62. REFER TO BUILDING PLANS FOR ADDITIONAL INFORMATION.

FLOOD ZONE DATA

THE SUBJECT PROPERTY SHOWN HEREON IS LOCATED IN FLOOD ZONE X, (MINIMAL RISK AREAS OUTSIDE THE 1-PERCENT AND 2-PERCENT-ANNUAL-CHANCE FLOODPLAINS. NO BFE'S OR BASE FLOOD DEPTHS ARE SHOWN WITH THESE ZONES). AS DETERMINED FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA, COMMUNITY 120080, FIRM MAP PANEL NUMBERS 12033C0370G, MAP REVISIONS DATED SEPTEMBER 29, 2006.					
FLOOD ZONE(S)	NFIP COMMUNITY NUMBER	MAP NUMBER	PANEL NUMBER(S)	SUFFIX	MAP REVISION DATE
X	120080	12033C	0370	G	SEPTEMBER 29, 2006



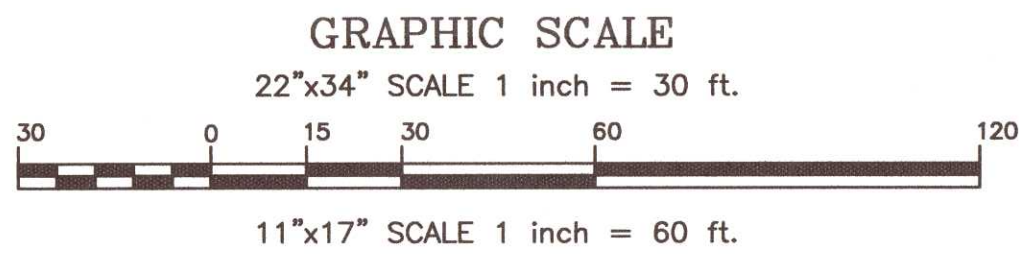
PROJECT LOCATION



VICINITY MAP  
GRAPHIC SCALE

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LEGEND:

- 1/2" CAPPED IRON ROD, NUMBER 4511 (FOUND)
- 1/2" CAPPED IRON ROD, NUMBER 7174 (SET)
- R/W ~ RIGHT OF WAY
- (P) ~ PLATTED INFORMATION
- (F) ~ FIELD MEASUREMENT/INFORMATION
- ~ 6" HIGH PLASTIC FENCE
- ~ 6" HIGH WOOD BOARD FENCE
- ~ INDICATES NOT TO SCALE
- ~ OVERHEAD UTILITY LINES
- ~ CONCRETE UTILITY POLE
- ~ BURIED FIBER OPTIC CABLE MARKER
- ~ GUY ANCHOR
- ~ UTILITY POLE
- ~ LIGHT POLE
- ~ STORM WATER MANHOLE
- ~ FIRE HYDRANT
- ~ TREE
- ~ WATER VALVE
- ~ WATER METER
- ~ SEWER VALVE
- ~ ALARM BOX
- ~ BACK FLOW PREVENTER
- ~ STREET SIGN
- ~ FIBER OPTIC CABLE BOX

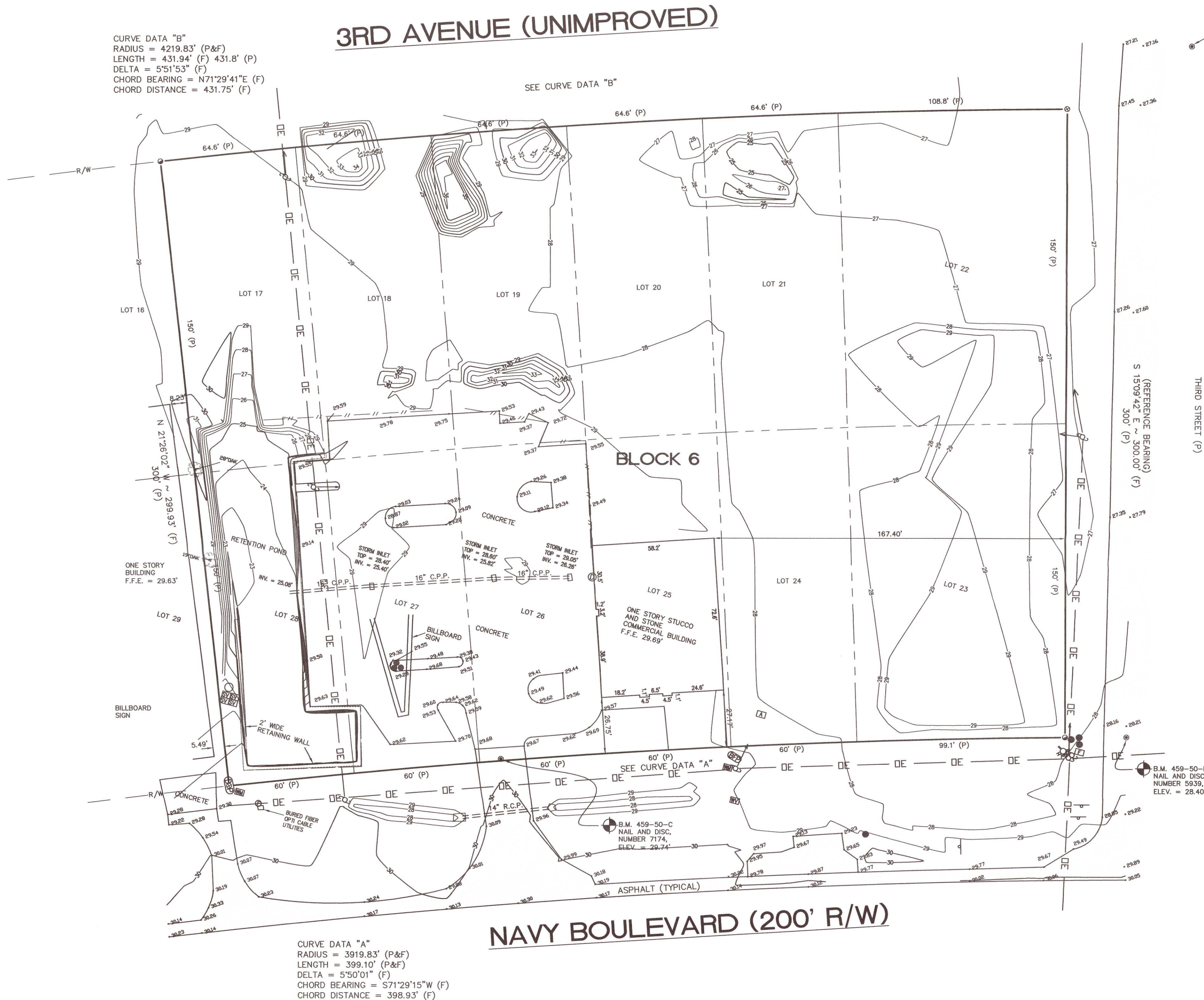
- R.C.P. ~ REINFORCED CONCRETE PIPE
- C.C.P. ~ CORRUGATED PLASTIC PIPE
- F.F.E. ~ FINISHED FLOOR ELEVATION
- ELEV. ~ ELEVATION
- INV. ~ INVERT ELEVATION
- B.M. ~ BENCHMARK
- SPOT ELEVATION
- ~ CONTOUR LINE
- ~ BENCHMARK IN VICINITY

DESCRIPTION: (AS FURNISHED)

LOTS 17-28, BLOCK 6, WESTERLY HEIGHTS, ACCORDING TO THE PLAT THEREOF, RECORDED IN PLAT BOOK 2, PAGE 14, OF THE PUBLIC RECORDS OF ESCAMBIA COUNTY, FLORIDA.

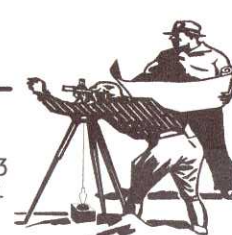
SURVEYOR'S NOTES:

- THE NORTH ARROW AND FIELD BEARINGS AS SHOWN HEREON ARE REFERENCED TO THE BEARING OF S 15°09'42" E ALONG THE EAST LINE OF THE SUBJECT PARCEL AND BEING ON THE FLORIDA STATE PLANE COORDINATE SYSTEM NORTH ZONE, LAMBERT PROJECTION, RELATIVE TO NAD 83 (2011), USING THE TRIMBLE VRSNOW G.P.S. NETWORK.
- SOURCE OF INFORMATION: THE RECORD PLAT OF "WESTERLY HEIGHTS", AS RECORDED IN PLAT BOOK 2, AT PAGE 14, OF THE PUBLIC RECORDS OF ESCAMBIA COUNTY, FLORIDA, AND EXISTING FIELD MONUMENTATION.
- NO TITLE SEARCH WAS PERFORMED BY OR FURNISHED TO MERRILL PARKER SHAW, INC. FOR THE SUBJECT PROPERTY. THERE MAY BE DEEDS OF RECORD, UNRECORDED DEEDS, RIGHT-OF-WAYS, EASEMENTS, BUILDING SETBACKS, RESTRICTIVE COVENANTS, GOVERNMENTAL JURISDICTIONAL AREAS OR OTHER INSTRUMENTS WHICH COULD AFFECT THE BOUNDARIES AND/OR USE OF THE SUBJECT PROPERTY.
- ONLY THE ABOVE GROUND VISIBLE ENCROACHMENTS AND IMPROVEMENTS WERE FIELD LOCATED AS SHOWN HEREON, UNLESS OTHERWISE NOTED. UNDERGROUND ENCROACHMENTS AND IMPROVEMENTS, IF ANY, WERE NOT FIELD LOCATED OR VERIFIED, UNLESS OTHERWISE NOTED.
- THE DIMENSIONS OF THE BUILDINGS (IF ANY) AS SHOWN HEREON ARE ALONG THE OUTSIDE FACE OF THE BUILDINGS AND DO NOT INCLUDE THE EAVES OVERHANG OR THE FOOTINGS OF THE FOUNDATIONS.
- THE SURVEY AS SHOWN HEREON DOES NOT DETERMINE OWNERSHIP.
- THE MEASUREMENTS MADE IN THE FIELD, INDICATED THUSLY (F), AS SHOWN HEREON WERE MADE IN ACCORDANCE WITH UNITED STATES STANDARDS.
- FEDERAL AND STATE COPYRIGHT ACTS PROTECT THIS MAP FROM UNAUTHORIZED USE. THIS MAP IS NOT TO BE COPIED OR REPRODUCED IN WHOLE OR PART AND IS NOT TO BE USED FOR ANY OTHER TRANSACTION. THIS DRAWING CANNOT BE USED FOR THE BENEFIT OF ANY OTHER PERSON, COMPANY OR FIRM WITHOUT PRIOR WRITTEN CONSENT OF THE COPYRIGHT OWNER AND IS TO BE RETURNED UPON REQUEST.
- THE CONTOUR LINES AS SHOWN HEREON ARE AT 1 FOOT INTERVALS OF ELEVATION.
- THE ELEVATIONS AS SHOWN HEREON ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988, USING THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION G.P.S. NETWORK.
- THE UTILITIES AS SHOWN HEREON IS BASED UPON FIELD LOCATION WHERE VISIBLE. THERE MAY BE OTHER UNDER GROUND UTILITIES THAT HAVE NOT BEEN LOCATED OR VERIFIED. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE RESPECTABLE UTILITY SPOTTERS PRIOR TO THE COMMENCEMENT OF WORK OR EXCAVATION.



SITE SURVEY COMPLETED BY:  
MERRILL PARKER SHAW, INC.  
PROFESSIONAL LAND SURVEYING SERVICES

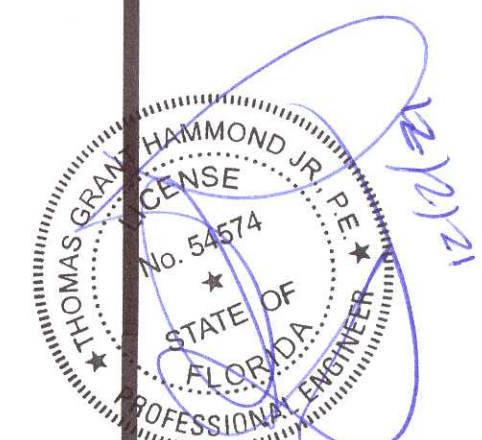
4928 N. DAVIS HWY.  
PENSACOLA, FL 32503  
PH: (850) 478-4923  
FAX: (850) 478-4924



NO.	DATE	REVISIONS
1	11/06/2021	REVISED PLANS AS PER ESCAMBIA COUNTY DRC REVIEW COMMENTS



HAMMOND ENGINEERING, INC.  
FLORIDA AUTHORIZATION NO. 9130  
ALABAMA AUTHORIZATION NO. 3277  
3802 NORTH "S" STREET  
PENSACOLA, FLORIDA 32505  
850 434-2603  
850 434-2650  
TOM@9ELANDDESIGN.COM



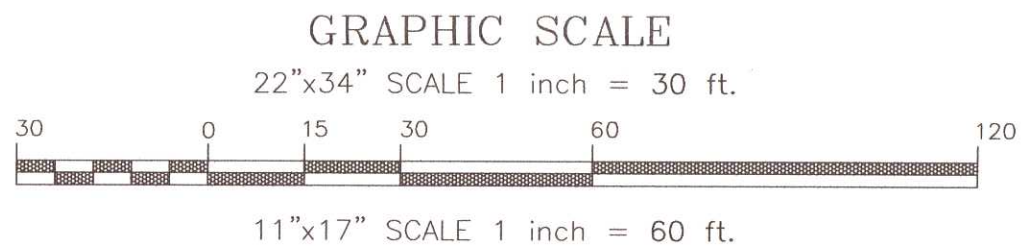
SITE DEVELOPMENT PLANS FOR BGS MARINE
EXISTING CONDITIONS
ESCAMBIA COUNTY FLORIDA

DRAWN BY: GJB	DESIGNED BY: RLS
CHECKED BY: TGH	DATE: 10/20/21
SCALE: AS SHOWN	NOT RELEASED FOR CONSTRUCTION
BY:	DATE:

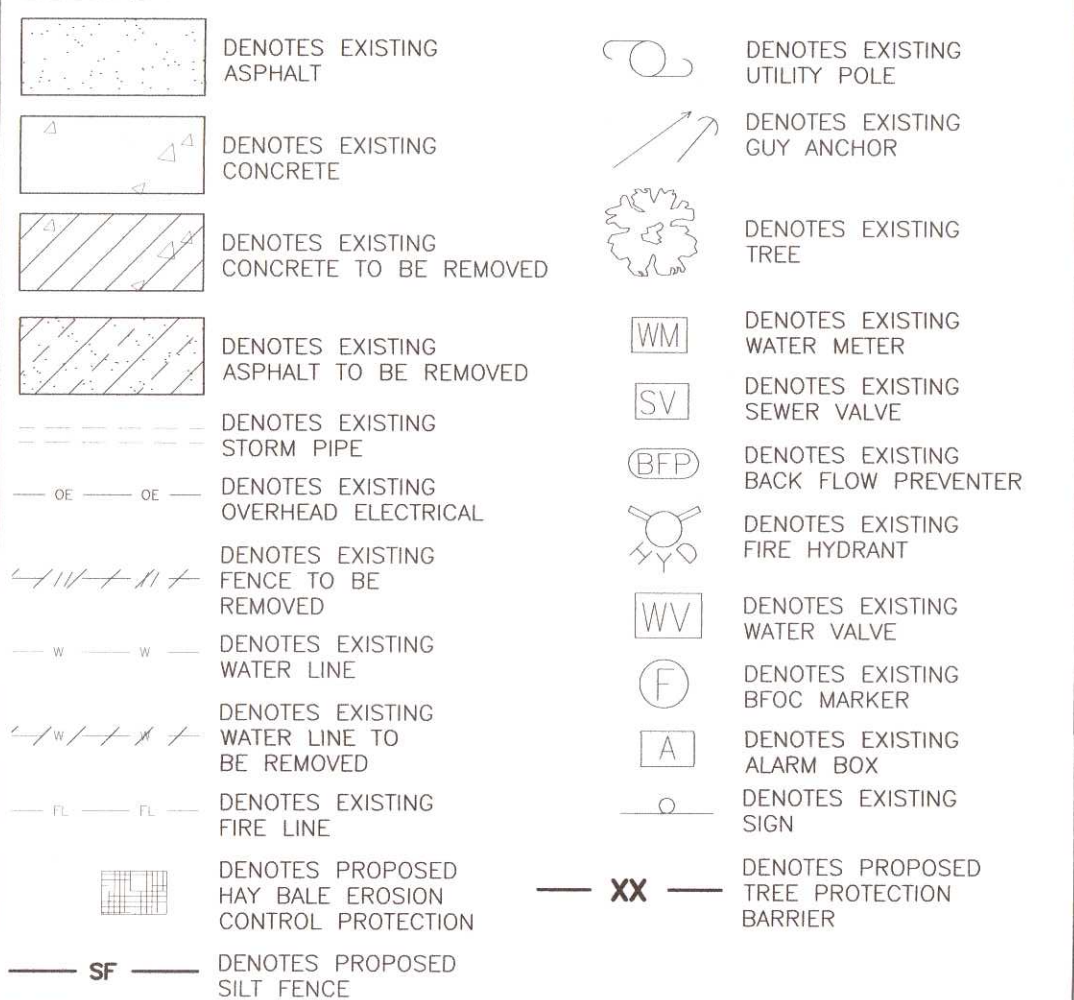
PROJECT NO: 21-040

SHEET: C2





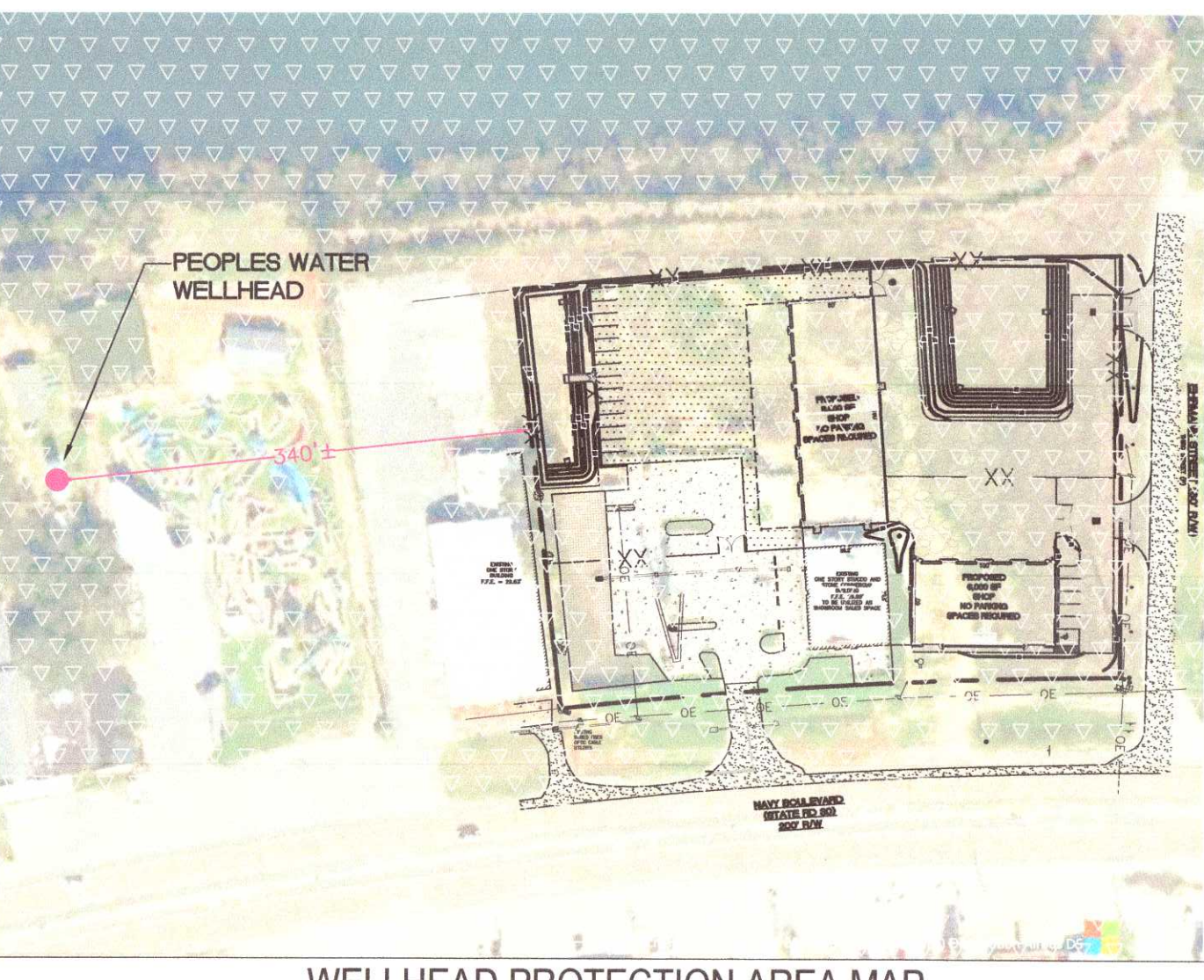
LEGEND:



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 AGENCIES: FDEP STATE WARNING POINT (1-800-320-0519), PEOPLE'S WATER SERVICE, INC. (850-455-8552) AND THE LOCAL (ESCAMBIA COUNTY HEALTH DEPARTMENT/ENVIRONMENTAL HEALTH 595-6712) AGENCIES.

LEGEND:



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. ALL ADEQUATE TREE PROTECTION MEASURES AND BARRICADES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE AND MAINTAINED IN GOOD WORKING ORDER UNTIL PROJECT IS COMPLETE AND SITE BECOMES STABILIZED.
- 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.
- THE LAND SHALL REMAIN VEGETATED (TREES INCLUDED, NO FILL MATERIALS PLACED ONSITE, GRADING, EXCAVATING, ETC.) UNTIL SUCH TIME AS PLAN APPROVAL &/OR PROPER PERMITTING ALLOWS FOR SUCH PER CODE. ALL TREE REMOVAL, LAND CLEARING, PLACEMENT OF FILL, "LAND DISTURBING ACTIVITIES", ETC. SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO INITIATION.

CONTRACTOR EROSION CONTROL REQUIREMENTS:

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE REQUIRED FDEP NPDES PERMIT PRIOR TO LAND DISTURBANCE.
- THE CONTRACTOR MUST HAVE TECHNICAL EXPERTISE IN EROSION PREVENTION AND SEDIMENT CONTROL. THE CONTRACTOR MUST AT ALL TIMES MAINTAIN EROSION CONTROL METHODS THAT PREVENT ANY VIOLATION OF THE NPDES PROGRAM.

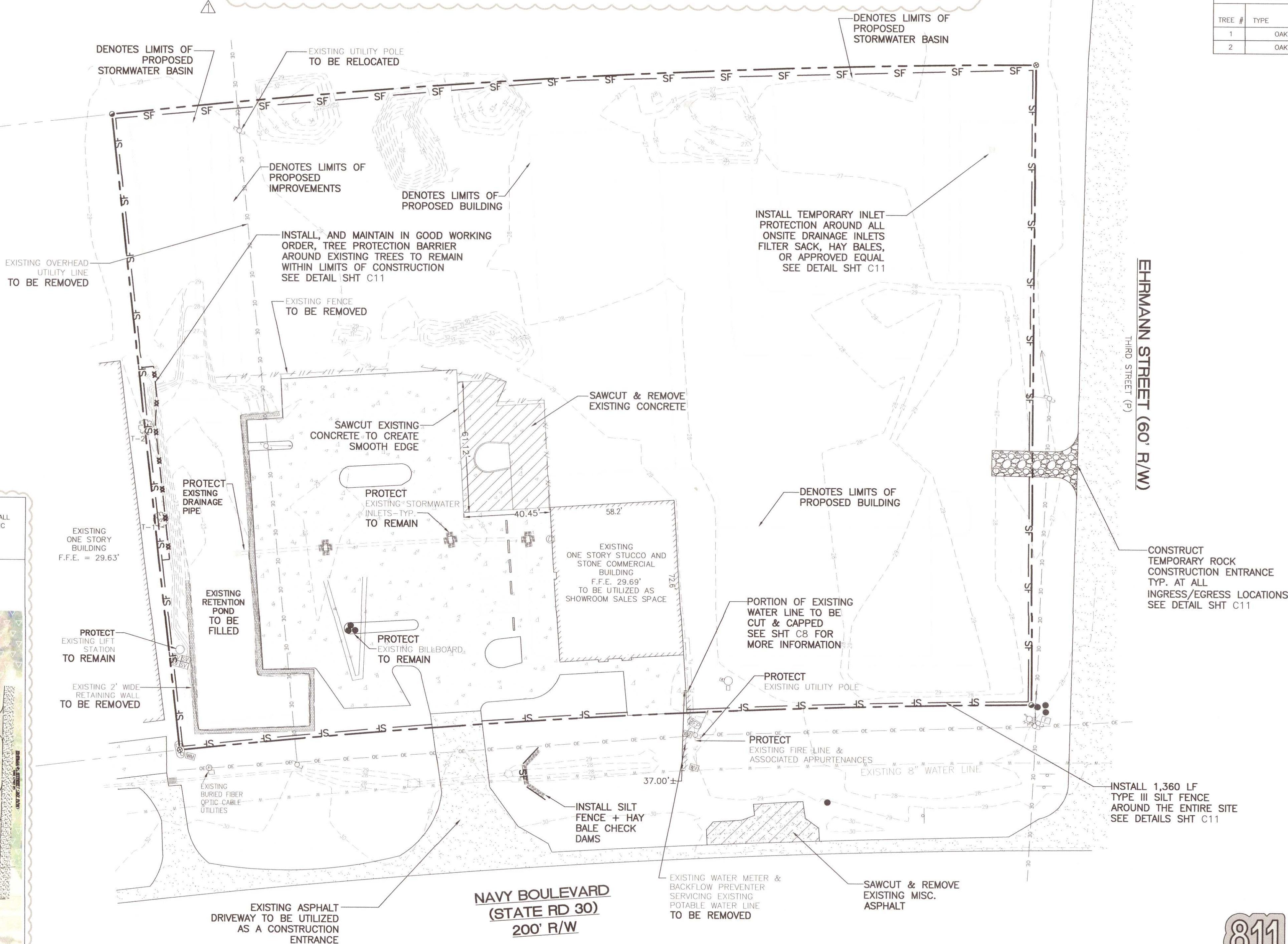
FDOT RIGHT OF WAY NOTE:

CONTRACTOR SHALL NOTIFY FDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHTS OF WAYS.

TREE REMOVAL NOTE:

THERE ARE NO PROTECTED TREES TO BE REMOVED AS PART OF THIS PROJECT

TREE ID/REMOVAL TABLE			
TREE #	TYPE	SIZE (DBH)	REASON FOR REMOVAL
1	OAK	19"	N/A
2	OAK	28"	N/A



SITE DEVELOPMENT PLANS FOR

BGS MARINE

DEMOLITION & EROSION CONTROL PLAN

ESCAMBIA COUNTY FLORIDA

DRAWN BY: CJB

DESIGNED BY: RLS

CHECKED BY: TGH

DATE: 10/20/21

SCALE: AS SHOWN

NOT RELEASED FOR CONSTRUCTION

DATE:

PROJECT NO: 21-040

SHEET: C3



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

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@SELANDDESIGN.COM



## Site Description

The proposed BGS Marine project is located at 3904 W Navy Boulevard and within the limits of Escambia County, Florida. The proposed improvements include the construction of 2 single-story, shops totaling 15,600 sq ft collectively. Additionally, an existing, abandoned onsite restaurant will be remodeled to house the BGS Marine boat sales facility. Required infrastructure to be constructed as part of the project includes 28,000 sq ft concrete sidewalk/parking area, 22,000 sq ft gravel staging area, applicable ADA access ways, two stormwater retention ponds totaling 39,000 cfs, potable water & sanitary sewer connections, etc.

The project parcel is 2.86 acres. The development site is partially developed with an existing structure, concrete parking lot, and an asphalt driveway connection. All existing onsite improvements are to remain onsite with only some minor concrete removal to take place. The current site topography slopes multiple directions across the property and directs stormwater runoff toward the W Navy Boulevard right of way, an onsite stormwater basin in the southwest corner of the development site that will be relocated onsite, and an existing, adjacent county owned and maintained stormwater pond. Following construction, all stormwater runoff generated from the proposed improvements will be collected via drainage inlets and conveyed in an underground stormwater pipe system to the proposed onsite stormwater management system (SMS). The SMS includes 2 conventional ponds and does not include a positive discharge during heavier rainfall events. The proposed SMS will retain all stormwater runoff generated during rainfall events up to and including a 100-year storm. It is expected that the majority of stormwater runoff will discharge to the north perimeter of the property during early construction on activities such as clearing, demolition, and site grading. Once initial grading of the site is complete, runoff will be directed towards the installed onsite inlets and routed to the SMS. The approximate latitude and longitude of the site discharge along the north boundary of the parcel is 30°24'37.22" N & 87°16'11.61" W.

According to a the USDA SCS maps, the predominant soil types found on-site consist of #13 Lakeland sand, 0 to 5 percent slopes. Groundwater is not anticipated during construction activities.

## Erosion and Sedimentation Controls

Erosion and sedimentation from the construction site shall be controlled at all times using Best Management Practices (BMPs). Perimeter controls shall be installed prior to clearing activities or any construction activity that disturbs soils. Installation of those controls may be staged to correspond with the clearing and construction schedule. Immediate after clearing activities appropriate controls shall be installed to limit and minimize the velocity of stormwater runoff over unprotected soils. Temporary BMPs shall be used as necessary inside the the perimeter controls as the construction progresses. Perimeter controls shall be actively maintained until final stabilization of those portions of the site uphill of the perimeter controls. Temporary controls shall be removed when stabilization is achieved or when necessary for the next stage of construction. Controls shall be consistent with the performance standards for erosion and sedimentation control as set forth in Section 62-40.432 F.A.C.

## Stabilization and Structural Practices

Stabilization practices may include, but not limited to, temporary seeding, mulching, geotextiles, permanent sod and preservation of existing vegetation. Preservation of the existing vegetation should always be the first choice BMP. Where disturbed soils are to remain for extended periods, temporary seeding should be considered prior to final sod stabilization. A record shall be maintained of the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site and when stabilization measures are initiated. Stabilization measures shall be initiated as soon as practicable, but in no case more than 14 days, in those areas of the site where construction activities have temporarily or permanently ceased.

Structural practices shall divert flows from exposed soils, store flows, retain sediment on-site, or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Such practices may include, but not limited to, silt fences, earth dikes, diversion swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems and temporary or permanent sediment basins.

## Stormwater Management

Prior to any land disturbance taking place onsite, a single row of type III silt fence shall be installed along the entire perimeter of the proposed construction area as illustrated on the development plans. The proposed perimeter controls will limit the extents of construction, assist in deterring encroachment onto the adjacent properties, and preventing downstream sedimentation. In addition to the aforementioned silt fence and hay bale perimeter, a gravel construction entrance shall be installed at all designated construction ingress/egress locations. Tree protection barriers shall be installed around each of the existing trees to remain found within the construction boundaries. After clearing and rough grading activities, check dams and additional silt fencing and hay bales shall be installed, as necessary, uphill of the perimeter controls to reduce runoff velocities and the potential for excessive erosion. Installation of stormwater inlets should take place next. As the grading activities progress, a depressed area shall be constructed around these inlets surrounded by hay bales and silt fencing for inlet protection. These depressed areas shall also act as sediment basins. Silt fences, and hay bales if necessary, shall be installed across the outfalls until final stabilization is achieved. Erosion control facilities shall be actively maintained throughout the course of construction and shall remain until final stabilization is achieved and acceptance by the owner.

## Controls for Other Potential Pollutants

A materials management area shall be designated on-site for protected storage of chemicals, solvents, fertilizers and other potentially toxic materials. Storage areas can become a major source of risk due to possible mishandling of materials and accidental spills. An inventory should be compiled and maintained of the storage area and the site. Special care should be taken to identify any materials that have the potential to come into contact with stormwater.

Petroleum products such as oil gasoline, lubricants and asphaltic substances should be handled carefully to minimize their exposure to stormwater. These management practices should be used to reduce the risks of using petroleum products.

- \* Have equipment available to contain and clean up petroleum spills in fuel storage areas or on board maintenance and fueling vehicles.
- \* Where possible, store petroleum products and fuel vehicles in covered areas and construct dikes to contain any spills.
- \* Contain and clean up petroleum spills immediately.
- \* Perform preventative maintenance for on-site equipment to prevent leakage.
- \* Apply asphaltic substances properly according to the manufacturer's instructions.

Hazardous products including, but not limited to, paints, acids for cleaning masonry surfaces, cleaning solvents, chemical additives used for soil stabilization, and concrete curing compounds should be properly handled. These practices will help avoid pollution of stormwater by these materials:

- \* Keep equipment to contain and clean up spills of hazardous materials in the areas where the materials are stored.
- \* Contain and clean up spills immediately after they occur.
- \* Keep materials in a dry, covered area.
- \* Store materials in the original manufacturer's containers whenever possible, because special handling instructions usually are printed on the containers.

Pesticides include insecticides, rodenticides, and herbicides that are commonly used on construction sites. These management practices will reduce the amounts of pesticides that could contact stormwater:

- \* Handle pesticides as infrequently as possible.
- \* Store materials in the original manufacturer's containers whenever possible, because special handling instructions usually are printed on the containers.
- \* Observe all applicable federal, state and local regulations when using, handling, or disposing of pesticides.
- \* Store pesticides in a dry, covered area.
- \* Provide curbs or dikes to contain spills.
- \* Have measures on site to contain and clean up spills.
- \* Strictly follow recommended application rates and methods.

Fertilizers and detergents usually contain nutrients that can be a major source of pollution in stormwater. These practices should be used to reduce the risks of nutrient pollution:

- \* Limit the application of fertilizers to the minimum area and the minimum recommended amounts.
- \* Reduce exposure of nutrients to stormwater runoff by working the fertilizer into the soil to a depth of 4 to 6 inches.
- \* Apply fertilizer more frequently, but at lower application rates.
- \* Limit hydroseeding in which lime and fertilizers are applied to the ground surface in one application.
- \* Implement good erosion and sediment control to help reduce the amount of fertilizer lost as a result of erosion.
- \* Limit the use of detergents on the site. Wash water containing detergents should not be discharged to the stormwater management system.
- \* Apply fertilizer and use detergents only in the recommended manner and amounts.

Proper management and disposal of building materials and other construction site wastes are an essential part of pollution prevention. Construction wastes include surplus or refuse building materials as well as hazardous wastes. Management practices for these wastes include trash disposal, recycling, material handling, and spill prevention and clean up. These practices should provide for proper disposal of construction wastes:

- \* Designate a waste disposal area on the site.
- \* Provide an adequate number of containers with lids or covers that can be placed over the container prior to rainfall.
- \* Locate containers in covered areas, where possible.
- \* Arrange for scheduled waste pick up. Adjust waste collection schedule as necessary to prevent overflow of the containers.
- \* Ensure that construction waste is collected, removed, and disposed of only at authorized disposal areas in compliance with applicable State and/or local waste disposal regulations.

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

The construction site must have temporary sanitary sewer facilities for on-site personnel. Portable facilities may be utilized throughout the site. Licensed domestic waste haulers may be contracted to regularly remove the sanitary wastes and to maintain the facilities in good working order. The temporary construction trailer may have sanitary sewer facilities with a holding tank. A licensed domestic waste hauler shall also service this facility. An on-site septic system for the construction trailer is not allowed. Temporary sanitary sewer facilities shall be permitted by the local building department in accordance with applicable State and local regulations.

## Maintenance and Inspection Controls

Controls of pollutants shall be maintained throughout construction period and until final stabilization is achieved. Qualified personnel shall inspect all points of discharge and all disturbed areas of the construction site that have not been finally stabilized, areas used for storage of materials that are exposed to precipitation, structural controls, and locations where vehicles enter or exit the site at least once every seven calendar days and within 24 hours of the end of every storm event that produces at least 0.25 inches of rainfall. Where sites have been finally stabilized, such inspection shall be conducted at least once every month until a Notice of Termination has been submitted.

- \* **Stabilization Measures** – Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of or the potential for, pollutants leaving the site. The inspection should reveal whether the area was stabilized correctly, whether there has been damage to the area since it was stabilized, and what should be done to correct any problems.
- \* **Structural Controls** – Silt fences, hay bales and other erosion control measures shall be inspected regularly for proper positioning, anchoring, and effectiveness in trapping sediments. The inspection should reveal whether the control was installed correctly, whether there has been damage to the control since installation, and what should be done to correct any problems. Sediment should be removed from the uphill side of the silt fence and the fence should be reconstructed as necessary. Hay bales shall be added or replaced as necessary to provide effective control.
- \* **Discharge Points** – Discharge points shall be inspected to determine whether erosion control measures are effective in preventing significant amounts of pollutants from leaving the site. Silt fences and hay bales shall be maintained or replaced as necessary. The inspection should reveal whether the on-site BMPs are effective, and what should be done to increase the effectiveness.
- \* **Construction Entrances** – Locations where vehicles enter or exit the site shall be inspected for evidence of off-site sediment tracking. The inspection should reveal whether the stabilization of the construction entrance is effective, and what should be done to increase the effectiveness.
- \* **Areas Used for Storage of exposed Materials** – These are locations where construction materials (including excavated soils) are stored. The inspection should reveal the potential for excessive erosion and sedimentation, and what actions should be implemented to reduce the risks of pollution.

Based on the result of the inspection, all maintenance operations needed to assure proper function of all controls, BMPs, practices or measures identified in this Plan shall be done in a timely manner, but in no case later than 7 calendar days following the inspection.

A Report summarizing the scope of each inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations related to the implementation of the stormwater pollution prevention plan, and modifications to the stormwater pollution prevention plan shall be prepared and retained as part of the stormwater pollution prevention plan for at least three years from the date that the site is finally stabilized. Such report shall identify any incidence of non-compliance.

### IMPLEMENTED BMP'S

Type:	Implemented by:	Company Name, Contact Person, Address & Phone Number
Perimeter Silt Fencing/ Hay Bales		
Inlet Protection		
Temporary Construction Entrance		
Tree Barriacades		

## Contractor Certification

This Stormwater Pollution Prevention Plan must clearly identify, for each measure identified within the the Stormwater Pollution Prevention Plan, the contractor(s) or subcontractor(s) that will implement each measure. All contractor(s) and subcontractor(s) identified in the Stormwater Pollution Prevention Plan must sign the following certification:

Name, Title	Signature	Company Name, Address & Phone Number	Date

## Contractor Requirements

- \* The contractor is responsible for obtaining the required FDEP NPDES permit prior to land disturbance.
- \* The contractor must have technical expertise in erosion prevention and sediment control. The contractor must at all time maintain erosion control methods that prevent any violation of the NPDES program.

## Faulty Installation and/or Poor Maintenance

Most noncompliance occurs because measures were not installed correctly or maintained properly, or both. Determining the reason why the measures are failing requires technical knowledge about the devices and how to construct them properly. Contractors failure to control erosion, sedimentation or turbidity both onsite and offsite is not acceptable. Failure to do so may result in possible fines and/or termination from the site without payment for construction progress.

## Compliance

The goal of the program is to prevent accelerated erosion and off-site sedimentation. The contractor is the first person to determine if the performance standards and intent of the rule are being met. He/She is the key person in ensuring that the construction site is evaluated fairly and consistently and that the site is kept in compliance.

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.

The rules are also flexible, allowing the contractor to decide the most economical and effective means of erosion control. This encourages the use of innovative techniques and specifically designed erosion control systems. The contractor is the key individual in making this kind of performance based rule work because the contractor is the first person to recognize performance failures and remedy the problems.

1. Determine that on erosion and sediment control plan for the site has been approved.
2. Determine that all specified practices have been installed and are being maintained according to the plan.
3. Determine that both on-site and off-site sedimentation, erosion or turbidity is being prevented. If the contractor finds deficiencies, appropriate action must be taken to attain compliance.

## Control of Non-Stormwater Discharges

It is expected that the following non-stormwater discharges may occur from the site during construction period: water from water line flushing, pavement wash water (where no spills or leaks of toxic or hazardous materials have occurred), and uncontaminated to discharge. Turbid water from the stormwater pond shall not be pumped directly into either of the receiving waters. Any pumped water from the stormwater pond shall be treated so as to not allow a discharge of polluted stormwater. Treatment can include silt fences, settling ponds, the proper use of flocculating agents or other appropriate means.

### Responsible Authority

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Project Name and location information:	BGS MARINE 3904 W NAVY BOULEVARD PENSACOLA, FL 32507
Responsible Authority Information:	
Project Contact:	

Name (Operator and/or Responsible Authority)

Date



## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER NOTICE OF TERMINATION (RULE 62-621.300(6), F.A.C.)

You must use this form to terminate coverage under the Generic Permit for Stormwater Discharge from Large and Small Construction Activities provided in subsection 62-621.300(4), F.A.C., the Major Sector Generic Permit for Stormwater Discharge Associated with Industrial Activity provided in subsection 62-621.300(5), F.A.C. as well as the conditional exclusion for "no exposure" of industrial activities and materials to stormwater provided in paragraph 62-620.100(2)(c), F.A.C.

All information provided on this form shall be typed or printed in ink.

### I. TERMINATION INFORMATION:

A. Facility ID/Project Number:	
B. Reason for Termination:	Check all that apply:
<input type="checkbox"/>	No longer operator of the facility/project.
<input type="checkbox"/>	Final stabilization criteria is met and all stormwater discharges associated with construction activity including dewatering operations have ceased (for construction activity only).
<input type="checkbox"/>	All stormwater discharges associated with industrial activity have ceased (for industrial activity only).
<input type="checkbox"/>	No longer meet the condition of "no exposure" (for industrial activity only).

### II. OPERATOR INFORMATION:

A. Operator Name:		
B. Address:		
C. City:	D. State:	E. Zip Code:
F. Responsible Authority:	G. Responsible Authority's Phone No.:	
H. Responsible Authority's E-mail Address:	I. Responsible Authority's Fax No.:	

### III. FACILITY/PROJECT INFORMATION:

A. Name:		
B. Address/Location:		
C. City:	D. State:	E. Zip Code:
F. County:		

### IV. CERTIFICATION<sup>1</sup>:

I certify under penalty of law that all stormwater discharges associated with industrial or construction activity from the identified facility or project that are authorized by the referenced State of Florida generic permit have been eliminated, the facility no longer meets the conditional exclusion for "no exposure" outlined in paragraph 62-620.100(2)(c), F.A.C., or that I am no longer the operator of the facility or project. I understand that by submitting this Notice of Termination, I am no longer authorized to discharge stormwater associated with industrial or construction activity under a generic permit, and that discharging pollutants in stormwater associated with industrial or construction activity to surface waters of the State is unlawful unless authorized by a permit issued pursuant to Section 403.0885, F.S. I also understand that the submittal of this Notice of Termination does not release an operator from liability for any violations of their generic permit or conditional exclusion for "no exposure" from NPDES stormwater permitting for industrial activities.

Responsible Authority Name and Official Title (Type or Print):

Responsible Authority Signature:

Date Signed:

<sup>1</sup> Signatory requirements are contained in Rule 62-620.305, F.A.C.

FDEP Form 62-621.300(6)  
Effective Date: 02/2015

### Stormwater Pollution Prevention Plan Inspection Report Form

Inspections must occur at least once a week and within 24 hours of the end of a storm event that is 0.50 inches or greater.

Project Name: _____		FDEP NPDES Stormwater Identification Number: _____			
Location	Rain data	Type of control (see below)	Date installed/modified	Current Condition (see below)	Corrective Action / Other Remarks
	Weekly Report				

Condition Code: G = Good M = Marginal, needs maintenance or replacement soon P = Poor, needs immediate maintenance or replacement  
C = Needs to be cleaned O = Other

Control Type Codes			
1. Silt Fence	10. Storm drain inlet protection	19. Reinforced soil retaining system	28. Tree protection
2. Earth berm	11. Vegetative buffer strip	20. Stabilized aggregate roadway/parking	29. Detention pond
3. Structural diversion	12. Vegetative preservation area	21. Sediment Basin	30. Retention pond
4. Swales	13. Retention Pond	22. Temporary seed / sod	31. Waste disposal / housekeeping
5. Sediment Trap	14. Construction driveway stabilization	23. Permanent seed / sod	32. Dam
6. Check dam	15. Perimeter ditch	24. Mulch	33. Sand Bag
7. Subsurface drain	16. Curb and gutter	25. Hay Bales	34. Turbidity Barrier
8. Pipe slope drain	17. Paved road surface	26. Geotextile	35. Dewatering (pump/hose/filter/well point, etc.)
9. Level spreaders	18. Rock outlet protection	27. Rip-rap	36. Other

Inspector Information:

Name: \_\_\_\_\_ Qualification: \_\_\_\_\_ Date: \_\_\_\_\_

The above signature also shall certify that this facility is in compliance with the Stormwater Pollution Prevention Plan and the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities if there are not any incidents of non-compliance identified above.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Name (Responsible Authority)

Date

REVISIONS	
NO.	DATE
1	11/08/2021
REVISED PLANS AS PER ESCAMBIA COUNTY DRG REVIEW COMMENTS	
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**HAMMOND ENGINEERING, INC.**  
FLORIDA AUTHORIZATION NO. 91377  
ALABAMA AUTHORIZATION NO. 32777  
3802 NORTH "S" STREET  
PENSACOLA, FLORIDA 32505  
850-434-2603  
FAX 850-434-2650  
TOM@SELANDDESIGN.COM



SITE DEVELOPMENT  
PLANS FOR

BGS MARINE

STORMWATER POLLUTION  
PREVENTION PLAN

ESCAMBIA COUNTY FLORIDA

DRAWN BY: EUG  
DESIGNED BY: RLS  
CHECKED BY: TGH  
DATE: 10/20/21  
SCALE: AS SHOWN  
NOT RELEASED FOR  
CONSTRUCTION  
BY: DATE:

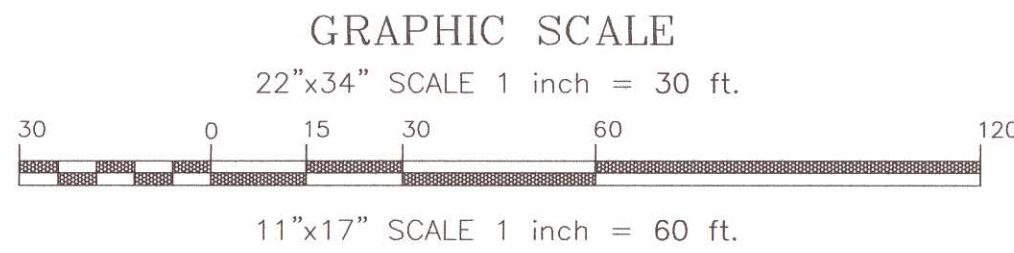
PROJECT NO: 21-040

SHEET: C4









LEGEND:	
	DENOTES EXISTING ASPHALT
	DENOTES EXISTING CONCRETE
	DENOTES PROPOSED GRAVEL
	DENOTES PROPOSED ASPHALT
	DENOTES PROPOSED CONCRETE
	DENOTES EXISTING STORM PIPE
	DENOTES EXISTING OVERHEAD ELECTRICAL
	DENOTES PROPOSED STORM PIPE
	DENOTES PROPOSED CHAIN LINK FENCE
	DENOTES PROPOSED RETAINING WALL
	DENOTES EXISTING SPOT ELEVATION
	DENOTES PROPOSED DUAL SPOT ELEVATION
	TOP # = TOP OF CURB/SIDEWALK
	BOTTOM # = ASPHALT/CONC. ELEV.
	DENOTES EXISTING UTILITY POLE
	DENOTES EXISTING GUY ANCHOR
	DENOTES EXISTING WATER METER
	DENOTES EXISTING SEWER VALVE
	DENOTES EXISTING BACK FLOW PREVENTER
	DENOTES EXISTING FIRE HYDRANT
	DENOTES EXISTING WATER VALVE
	DENOTES EXISTING BFOC MARKER
	DENOTES EXISTING ALARM BOX
	DENOTES EXISTING SIGN
	DENOTES EXISTING TREE
	DENOTES BENCHMARK LOCATION
	DENOTES SOIL BORING LOCATION
	M.E.G. MATCH EXISTING GRADE
	DENOTES PROPOSED SPOT ELEVATION

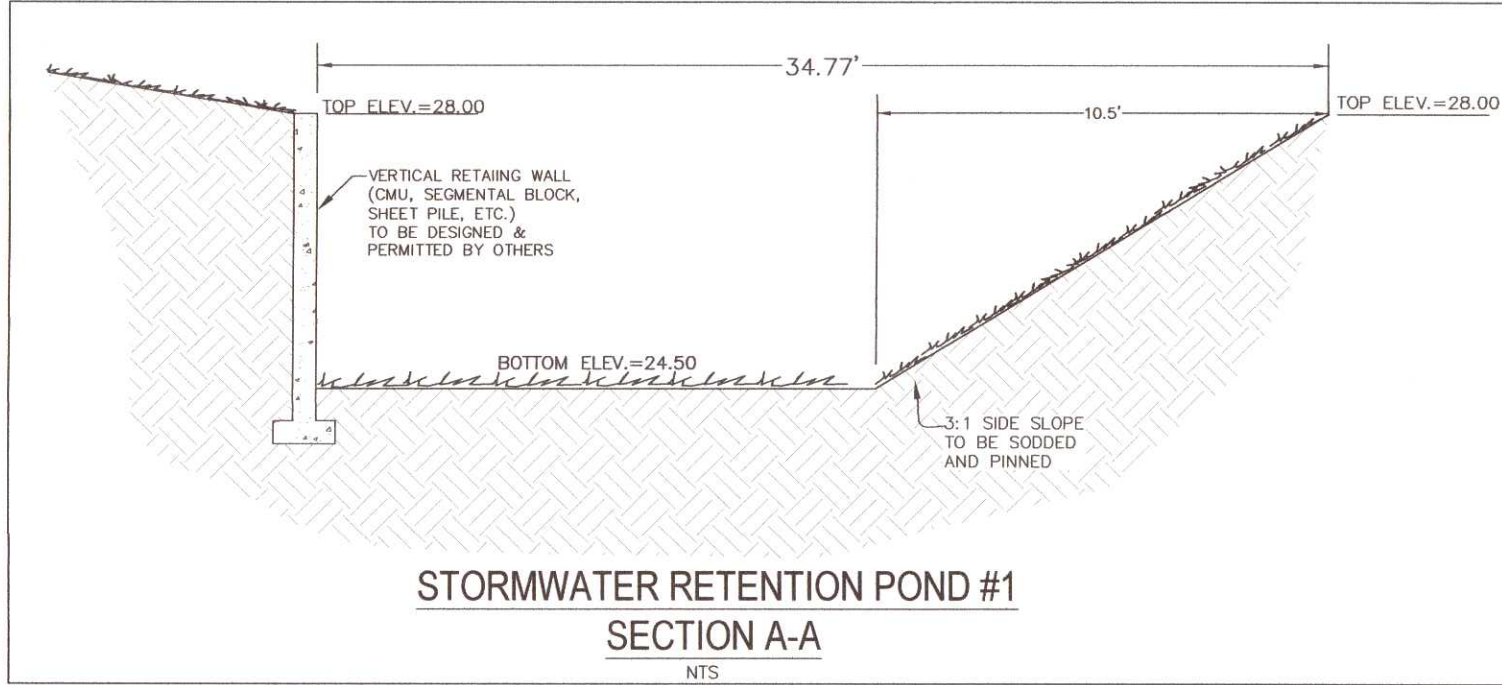
CONSTRUCT STORMWATER RETENTION POND #1 W/3:1 SIDE SLOPES ON EAST & SOUTH SIDE  
TOP ELEV. 28.00  
BOTTOM ELEV.=24.50  
SEE DETAIL SHT C6

CONSTRUCT VERTICAL RETAINING WALL ON PONDS NORTH & WEST SIDE  
TOP ELEV.=28.00  
BOTTOM ELEV.=24.50  
TO BE DESIGNED BY OTHERS

EXISTING ONE STORY BUILDING  
F.F.E. = 29.63'

NAVY BOULEVARD  
(STATE RD 30)  
200' R/W

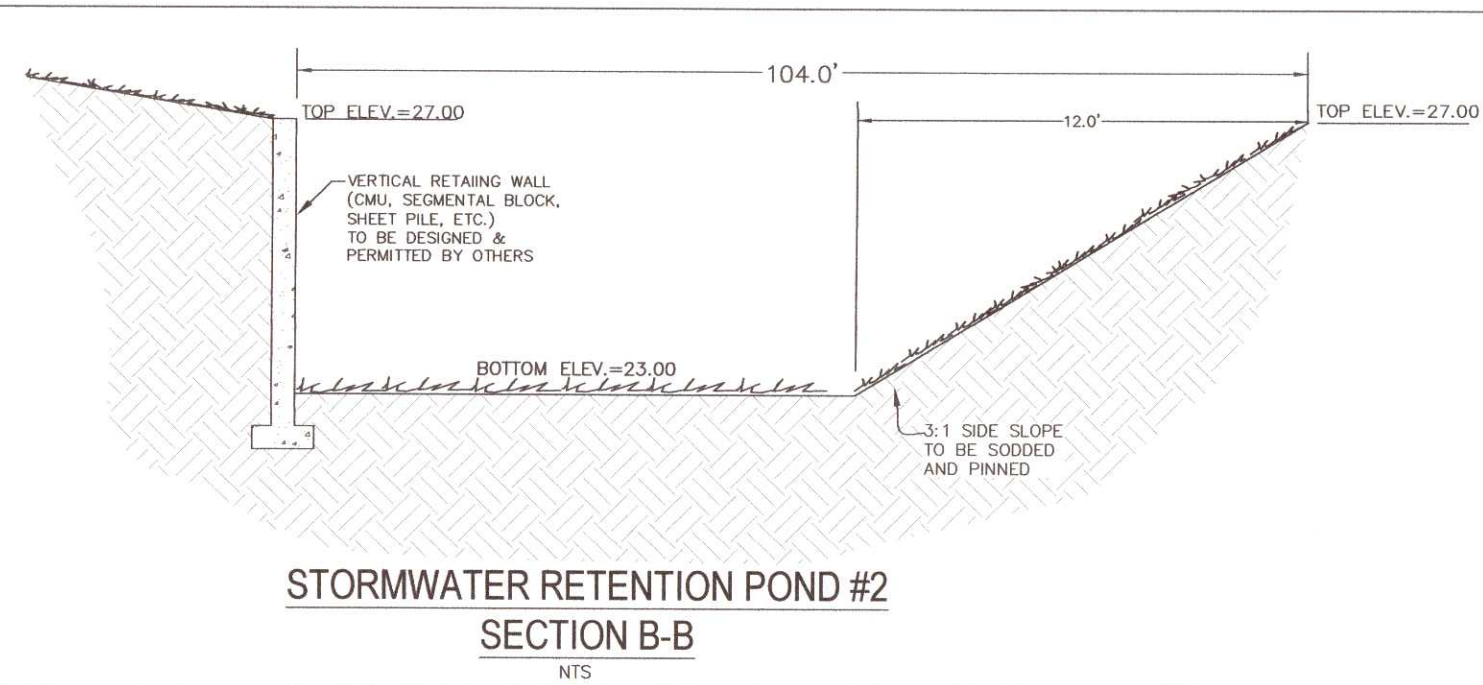
STORMWATER RETENTION POND #1  
SECTION A-A  
NTS



RETAINING WALL NOTES:

- RETAINING WALLS TO BE DESIGNED & PERMITTED BY OTHERS.
- CONTRACTOR SHALL CONTACT COUNTY BUILDING INSPECTION DEPARTMENT (850-595-3550) REGARDING REQUIRED PERMIT(S) FOR PROPOSED RETAINING WALL(S) EXTENDING GREATER THAN 2 FEET IN HEIGHT. A COPY OF THE CERTIFIED STRUCTURAL PLANS MUST BE PROVIDED TO B.I.D. PRIOR TO CONSTRUCTION OF ANY RETAINING WALL.
- CONSTRUCTED RETAINING WALLS WILL REQUIRE AS-BUILT CERTIFICATION BY DESIGNING STRUCTURAL ENGINEER PRIOR TO ISSUANCE OF CO.

STORMWATER RETENTION POND #2  
SECTION B-B  
NTS



CONSTRUCT STORMWATER RETENTION POND #2 W/3:1 SIDE SLOPES ON EAST, WEST, & SOUTH SIDES  
TOP ELEV. 27.00  
BOTTOM ELEV.=23.00  
SEE DETAIL SHT C6

CONSTRUCT VERTICAL RETAINING WALL ON PONDS NORTH SIDE  
TOP ELEV.=27.00  
BOTTOM ELEV.=23.00  
TO BE DESIGNED BY OTHERS

CONSTRUCT DRAINAGE SWALE  
MIN. 0.30% GRADE  
SEE DETAIL SHT C13

EHRMANN STREET (60' R/W)

CONSTRUCT DRAINAGE SWALE  
MIN. 0.30% GRADE  
SEE DETAIL SHT C13

ELEVATED SIDEWALK TO BE CONSTRUCTED W/STEM WALLS OR SIMILAR

B.M. 459-50-B  
NAIL AND DISC,  
NUMBER 5939,  
ELEV. = 28.40'

FDOT RIGHT OF WAY NOTE:  
CONTRACTOR SHALL NOTIFY FDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHTS OF WAYS.

REVISIONS	
NO.	DATE
1	11/09/2021


























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



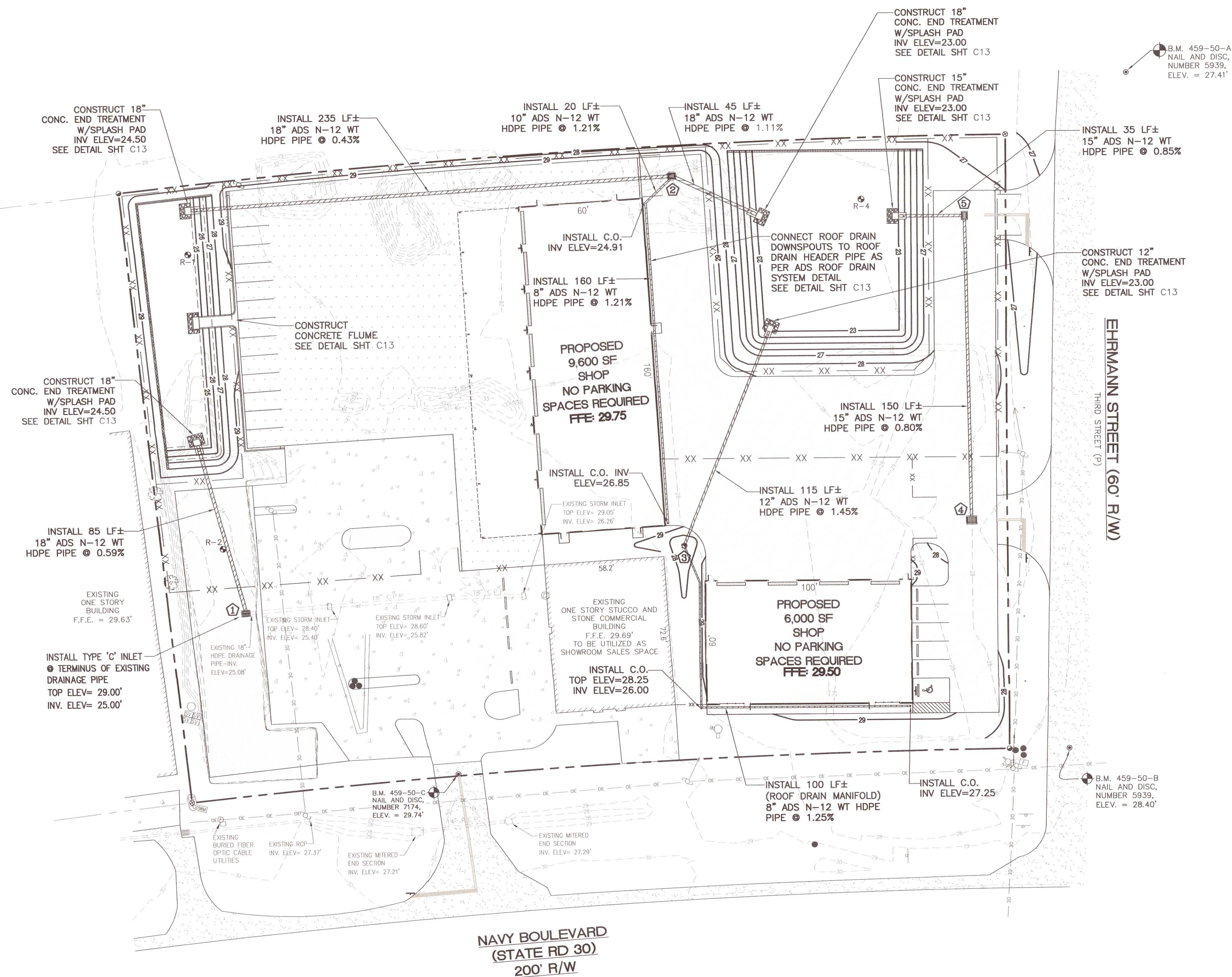
SITE DEVELOPMENT PLANS FOR	
BGS MARINE	
GRADING & DRAINAGE PLAN	
ESCAMBIA COUNTY FLORIDA	
DRAWN BY: CUG	DESIGNED BY: RLS
CHECKED BY: TSH	DATE: 10/20/21
SCALE: AS SHOWN	NOT RELEASED FOR CONSTRUCTION
BY:	DATE:
PROJECT NO: 21-040	
SHEET: C6	






LEGEND:	
	DENOTES EXISTING ASPHALT
	DENOTES EXISTING CONCRETE
	DENOTES PROPOSED GRAVEL
	DENOTES PROPOSED ASPHALT
	DENOTES PROPOSED CONCRETE
	DENOTES EXISTING STORM PIPE
	DENOTES EXISTING OVERHEAD ELECTRICAL
	DENOTES PROPOSED STORM PIPE
	DENOTES PROPOSED CHAIN LINK FENCE
	DENOTES PROPOSED RETAINING WALL
	DENOTES EXISTING SPOT ELEVATION
	DENOTES PROPOSED DUAL SPOT ELEVATION
TOP # TOP OF CURB/SIDEWALK	
BOTTOM # = ASPHALT/CONC. FLY	
	DENOTES EXISTING UTILITY POLE
	DENOTES EXISTING GUY ANCHOR
	DENOTES EXISTING WATER METER
	DENOTES EXISTING SEWER VALVE
	DENOTES EXISTING BACK FLOW PREVENTER
	DENOTES EXISTING FIRE HYDRANT
	DENOTES EXISTING VALVE
	DENOTES EXISTING BFC MARKER
	DENOTES EXISTING ALARM BOX
	DENOTES EXISTING SIGN
	DENOTES BENCHMARK LOCATION
	DENOTES SOIL BORING LOCATION
M.E.G.	MATCH EXISTING GRADE
	DENOTES PROPOSED SPOT ELEVATION

STORM STRUCTURE DATA TABLE	
PROPOSED INLETS TO CONSIST OF:	
<ul style="list-style-type: none"> <li>TYPE "C" DITCH BOTTOM INLET W/USF NO. 6209 CAST IRON TRAFFIC RATED GRADE</li> <li>24" NYLOPLAST DRAIN BASIN W/24" STANDARD GRADE</li> <li>48" DIA. MODIFIED TYPE "C" DITCH BOTTOM INLET W/USF NO. 6209 CAST IRON TRAFFIC RATED GRADE (445 SQ IN FLOW AREA)</li> <li>TYPE "D" DITCH BOTTOM INLET W/USF NO. 6626 STEEL TRAFFIC RATED GRADE (1,495 SQ IN FLOW AREA)</li> </ul>	<p>MODIFIED TYPE "C" INLET TOP ELEV=29.00 INV ELEV IN (W)=23.50 INV ELEV IN (SW)=24.67 INV ELEV OUT (SE)=23.50</p>
<p>1</p> <p>TYPE "C" INLET TOP ELEV=29.00 INV ELEV OUT (N)=25.00</p>	<p>2</p>
<p>3</p> <p>24" NYLOPLAST DRAIN BASIN TOP ELEV=27.75 INV ELEV IN (S)=25.00 INV ELEV OUT (N)=24.67 BOTTOM ELEV=24.17</p>	<p>4</p> <p>TYPE "C" INLET TOP ELEV=27.25 INV ELEV OUT (N)=24.50</p>
<p>5</p> <p>TYPE "C" INLET TOP ELEV=27.00 INV ELEV IN (S)=23.30 INV ELEV OUT (W)=23.30</p>	



NO.	DATE	REVISIONS
△	11/08/2021	REVISED PLANS AS PER ESCAMBIA COUNTY DRC REVIEW COMMENTS

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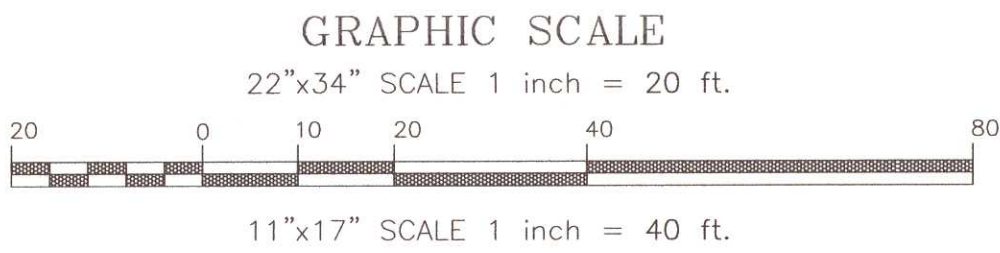


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850 434-2603  
FAX 850-434-2650  
TOM@SELANDDESIGN.COM



DRAWN BY: CJB		<div><div>SITE DEVELOPMENT PLANS FOR</div><div>BGS MARINE</div><div>UNDERGROUND STORMWATER PLAN</div><div>ESCAMBIA COUNTY FLORIDA</div></div>
DESIGNED BY: RLS		
CHECKED BY: TGH		
DATE: 10/20/21		
SCALE: AS SHOWN		
NOT RELEASED FOR CONSTRUCTION		
BY:		DATE:
PROJECT NO: 21-040		
SHEET: C7		



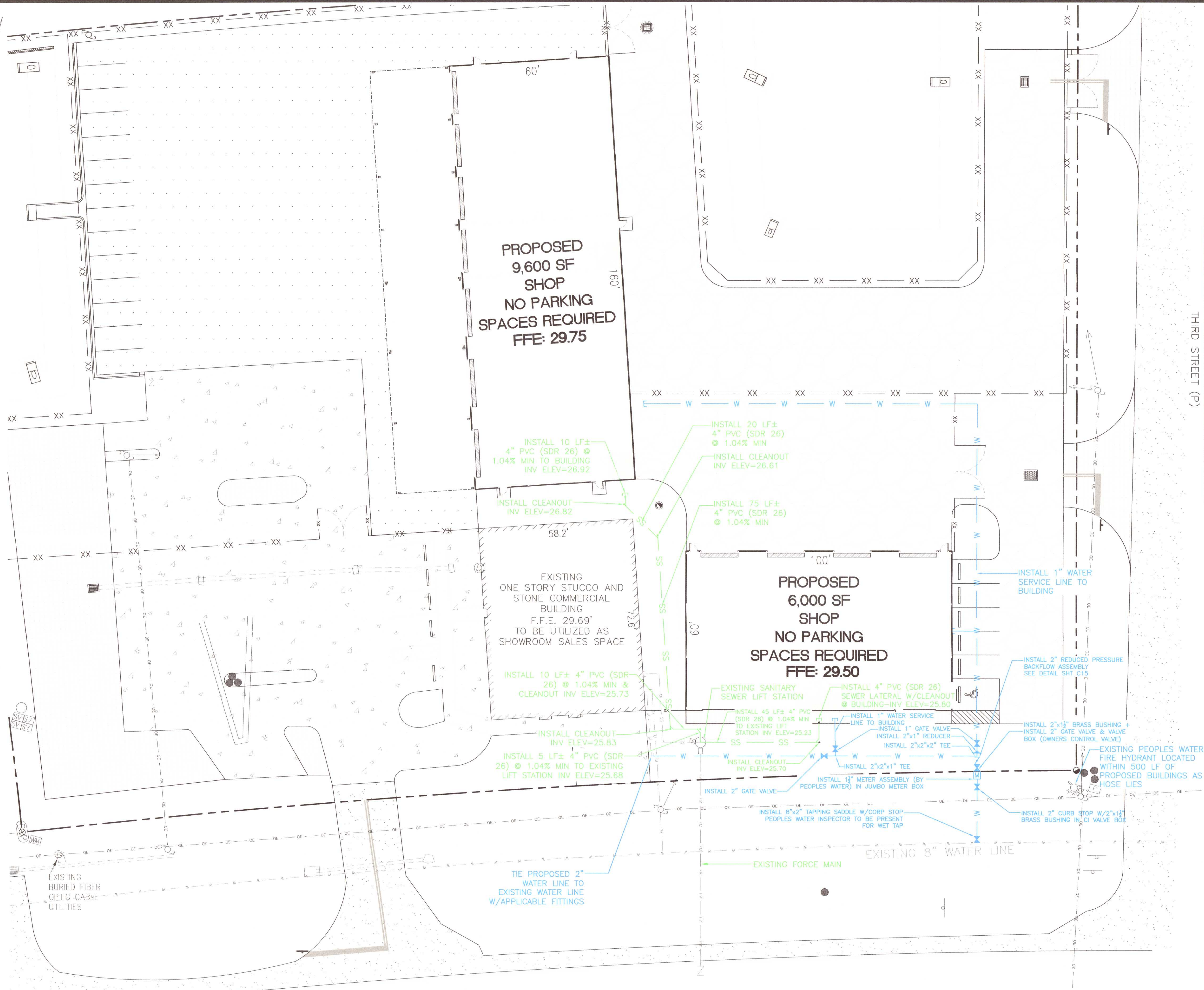


LEGEND:

	DENOTES EXISTING ASPHALT		DENOTES EXISTING UTILITY POLE
	DENOTES EXISTING CONCRETE		DENOTES EXISTING GUY ANCHOR
	DENOTES PROPOSED GRAVEL		DENOTES EXISTING WATER METER
	DENOTES PROPOSED ASPHALT		DENOTES EXISTING SEWER VALVE
	DENOTES PROPOSED CONCRETE		DENOTES EXISTING BACK FLOW PREVENTER
	DENOTES EXISTING STORM PIPE		DENOTES EXISTING FIRE HYDRANT
	DENOTES EXISTING OVERHEAD ELECTRICAL		DENOTES EXISTING WATER VALVE
	DENOTES PROPOSED STORM PIPE		DENOTES EXISTING BFOC MARKER
	DENOTES EXISTING WATER LINE		DENOTES EXISTING ALARM BOX
	DENOTES EXISTING SEWER FORCE MAIN		DENOTES EXISTING SIGN
	DENOTES EXISTING SANITARY SEWER LINE		DENOTES EXISTING FIRE LINE
	DENOTES PROPOSED CHAIN LINK FENCE		DENOTES PROPOSED WATER LINE
			DENOTES PROPOSED SEWER LINE
			DENOTES PROPOSED RETAINING WALL

GENERAL UTILITY NOTES:

- All potable water and sanitary sewer work shall be done in accordance with ECUA's engineering manual.
- Contractor shall notify ECUA, 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.
- Property 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 and sanitary sewer 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 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, sanitary sewer line and gas line 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 the county R/W.
- Contractor to video/document all right of way areas to be impacted prior to construction.
- Reference utility details provided on sheet C15.
- Contractor to coordinate power supply to building with Gulf Power...850-429-2861
- Contractor to coordinate proposed natural gas service with Energy Services of Pensacola...850-983-5434.



NAVY BOULEVARD  
(STATE RD 30)  
200' R/W

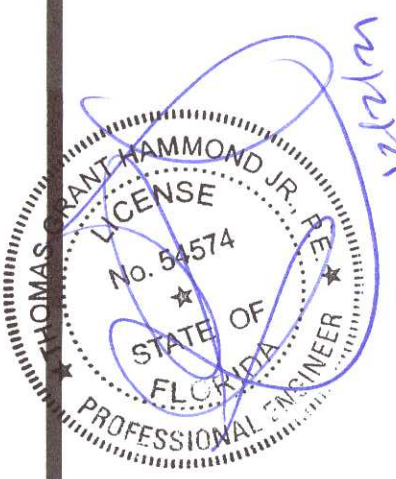
FDOT RIGHT OF WAY NOTE:  
CONTRACTOR SHALL NOTIFY FDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHTS OF WAYS.

THIRD STREET (P)  
EHRMANN STREET (60' R/W)

REVISIONS

NO.	DATE	REVISIONS
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850 434-2650  
TOM@SELANDDESIGN.COM



SITE DEVELOPMENT  
PLANS FOR  
**BGS MARINE**  
UTILITY PLAN

ESCAMBIA COUNTY FLORIDA

DRAWN BY: GJB  
DESIGNED BY: RLS  
CHECKED BY: TGH  
DATE: 10/20/21  
SCALE: AS SHOWN  
NOT RELEASED FOR  
CONSTRUCTION  
BY: DATE:

PROJECT NO: 21-040  
SHEET: **C8**





1. 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.
2. 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.
3. ANY ADJUSTMENT TO THIS PLAN DUE TO EXISTING CONDITIONS NOT REFLECTED ON THIS PLAN WILL BE RESOLVED AT THE TIME OF INSTALLATION.
4. FINISH GRADES FOR ALL PLANTING, SOD AND SEED AREAS SHALL BE ESTABLISHED AND APPROVED BY THE OWNER/DEVELOPER PRIOR TO PLANTING, SODDING OR SEEDING.
5. ALL TRASH AND CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SITE PRIOR TO ESTABLISHMENT OF FINISH GRADES.
6. 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 AND/OR GUINING/PRUNING AND ADEQUATE MAINTENANCE UNTIL ACCEPTANCE BY OWNER/DEVELOPER.
7. 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.
8. 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.
9. ROOT BALLS SHALL BE FLUSH WITH FINISHED GRADE.
10. BACKFILL SHALL BE LOOSEST 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 EXTRANEOUS MATERIAL NOT CONDUCTIVE TO PROPER PLANT GROWTH CONTACT LANDSCAPE ARCHITECT PRIOR TO PLANTING.
11. SOIL ROLLS SHALL BE CONSTRUCTED OF EXISTING SOIL AT THE OUTER EDGE OF THE TREE PLANTING PIT WITH A HEIGHT AND WIDTH OF 4".
12. STRAPPING SHALL BE MINIMUM 1" WIDE NYLON OR POLYPROPYLENE. GUINING MATERIAL IN CONTACT WITH TREE SHALL BE SOFT, PLIABLE, FLEXIBLE RUBBER.
13. SABAL PALMS (IF PLANTED) MAY BE HURRICANE CUT. ALL OTHERS MUST HAVE FRONDS TIED WITH BIODEGRADABLE STRAP. TRUNKS SHALL HAVE NO SCARS OR SANDING.
14. 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 CYPRRESS MULCH MUST BE SEEDDED.

15. 15 PERCENT OF THE TOTAL DEVELOPABLE SITE SHALL BE DEVOTED TO LANDSCAPING/GREEN SPACE.

16. **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.

17. **SPECIES.** ALL LANDSCAPING SHALL UTILIZE NATIVE PLANT SPECIES OR THOSE SPECIES LISTED IN THE FLORIDA-FRIENDLY LANDSCAPING GUIDE TO PLANT COLLECTION AND LANDSCAPE DESIGN.

18. **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:

1. **NON-NATIVE SPECIES.** NON-NATIVE SPECIES ARE LIMITED TO 25 PERCENT OR LESS OF THE TOTAL REQUIRED TREES PLANTED.
2. **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.

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2. 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 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 PEROIDO KEY, EXCLUDING ANY TREES REQUIRED SPECIFICALLY FOR BUFFERING OR REPLACEMENTS FOR PROTECTED TREE REMOVAL. SUCH PALMS INCLUDE: DATE PALM (PHOENIX SPP. EXCEPT F. REGINATA) 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-INDUSTRIAL PRACTICES, DEVELOPMENT SHOULD CONSOLIDATE AND LIMIT THE USE OF MOST TURF GRASSES TO ESSENTIAL AREAS. TURF GRASSES SHALL BE SPECIES NORMALLY GROWN AS PERMANENT LAWNS IN ESCAMBIA COUNTY. ALL SOO SHALL BE CLEAN AND REASONABLY FREE OF WEEDS, NOXIOUS PESTS, AND DISEASES. WHEN GRASS AREAS ARE TO BE SEED, SPILLED, OR PLUGGED, SPECIFICATIONS MUST BE SUBMITTED. SUBSTANTIAL COVERAGE MUST BE ACHIEVED WITHIN 180 DAYS AND NURSE GRASS SHALL BE SOWN FOR IMMEDIATE EFFECTS AND PROTECTIVE COVER. TURF GRASS MUST BE MAINTAINED TO PREVENT WEEDS FROM ACHIEVING DOMINANCE.
- 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.
- ANY PROPOSED REMOVAL OF PROTECTED TREES IN THE FUTURE SHALL REQUIRE PRIOR PERMIT APPLICATION & REVIEW BY ESCAMBIA COUNTY ENVIRONMENTAL PERMITTING STAFF PRIOR TO REMOVAL.

	DENOTES EXISTING ASPHALT		DENOTES EXISTING UTILITY POLE
	DENOTES EXISTING CONCRETE		DENOTES EXISTING GUY ANCHOR
	DENOTES PROPOSED GRAVEL		DENOTES EXISTING WATER METER
	DENOTES PROPOSED ASPHALT		DENOTES EXISTING SEWER VALVE
	DENOTES PROPOSED CONCRETE		DENOTES EXISTING BACK FLOW PREVENTER
	DENOTES PROPOSED SOD (BAHAI RECOMMENDED)		DENOTES EXISTING FIRE HYDRANT
	DENOTES PROPOSED CYPRESS MULCH		DENOTES EXISTING WATER VALVE
	W/UNDERLYING WEED FABRIC		DENOTES EXISTING F8C MARKER
	DENOTES EXISTING STORM PIPE		DENOTES EXISTING ALARM BOX
	DENOTES EXISTING OVERHEAD ELECTRICAL		DENOTES EXISTING SIGN
	DENOTES PROPOSED STORM PIPE		DENOTES INDIAN HAWTHORN SHRUB (OR APPROVED EQUAL)
	DENOTES PROPOSED CHAIN LINK FENCE		TO BE PLANTED TYPICAL OF 179

<p><b>SOUTH BOUNDARY LINE:</b> 10' FRONTAGE BUFFER REQUIRED AS PER CH. 3, ART. 3, SEC. 3-3.8(e)(12)a. OF THE ESCAMBIA COUNTY LAND DEVELOPMENT CODE.</p> <p>10' WIDE x 399' LONG FRONTAGE BUFFER</p> <p>10 SHRUBS REQ'D/35 LF (399-24' DRIVEWAY/35)' ~ 107 SHRUBS REQ'D PLANT 107 SHRUBS</p> <p>***NO CANOPY TREES REQ'D DUE TO PROXIMITY OF EXISTING OVERHEAD UTILITIES***</p> <p><b>INTERIOR PARKING LOT:</b> NO INTERIOR PARKING LOT CANOPY TREES TO BE PLANTED ONSITE DUE TO LOCATION OF EXISTING OVERHEAD UTILITIES.</p> <p><b>REQUIRED MITIGATION:</b> NO PROTECTED TREES EXISTING TO BE REMOVED AS PART OF THIS PROJECT.</p>	<p><b>EAST BOUNDARY LINE:</b> 10' FRONTAGE BUFFER REQUIRED AS PER CH. 3, ART. 3, SEC. 3-3.8(e)(12)a. OF THE ESCAMBIA COUNTY LAND DEVELOPMENT CODE.</p> <p>10' WIDE x 300' LONG FRONTAGE BUFFER</p> <p>10 SHRUBS REQ'D/35 LF (300-48' DRIVEWAY/35)' ~ 72 SHRUBS REQ'D PLANT 72 SHRUBS</p> <p>***NO CANOPY TREES REQ'D DUE TO PROXIMITY OF EXISTING OVERHEAD UTILITIES***</p> <p><b>WEST BOUNDARY LINE:</b> NO BUFFER REQUIRED, ADJACENT PROPERTY IS HC/1J ZONED PARCEL. PROVIDE 5' LANDSCAPE STRIP AS PER CH. 2, ART. 2, SEC. 2-2.2(b) DESIGN STANDARDS MANUAL.</p> <p><b>SOUTH BOUNDARY LINE:</b> NO BUFFER REQUIRED, ADJACENT PROPERTY IS HC/1J ZONED PARCEL. PROVIDE 5' LANDSCAPE STRIP AS PER CH. 2, ART. 2, SEC. 2-2.2(b) DESIGN STANDARDS MANUAL.</p>
--	--

**REQUIRED MITIGATION:**

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



SITE DEVELOPMENT PLANS FOR
BGS MARINE
LANDSCAPING PLAN
ESCAMBIA COUNTY FLORIDA

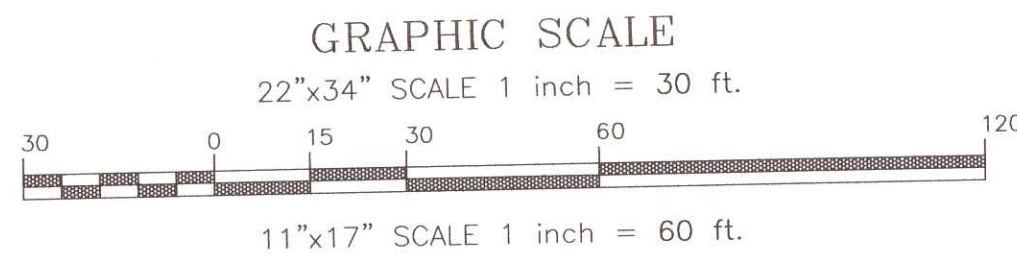
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HAMMOND ENGINEERING, INC.  
FLORIDA AUTHORIZATION NO. 9130  
ALABAMA AUTHORIZATION NO. 3277  
3802 NORTH "I" STREET  
PENSACOLA, FLORIDA 32505  
850 434-2603  
FAX 850-434-2650  
TOM@SELANDDESIGN.COM

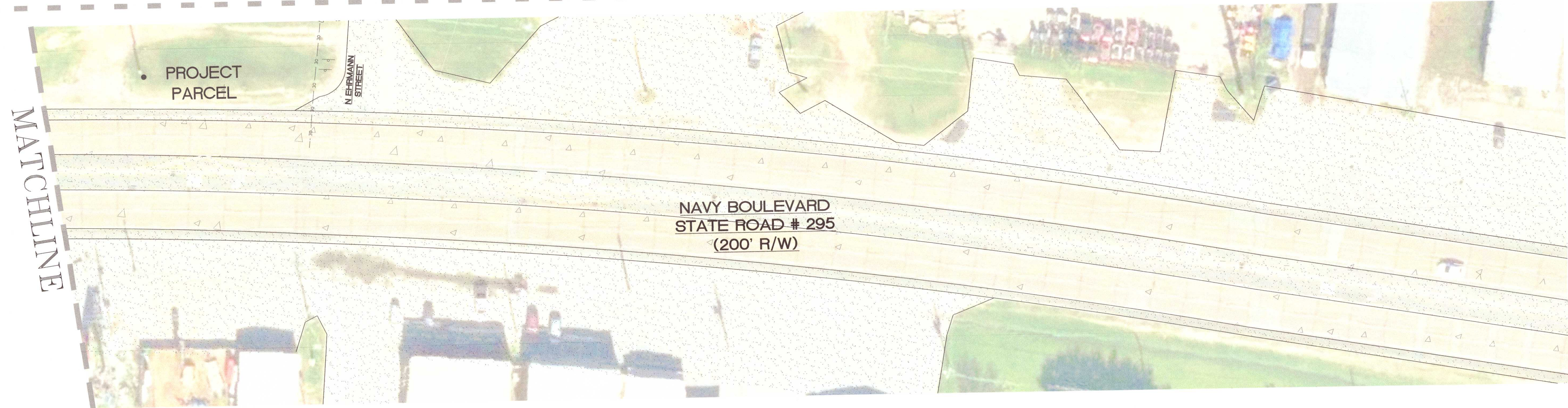
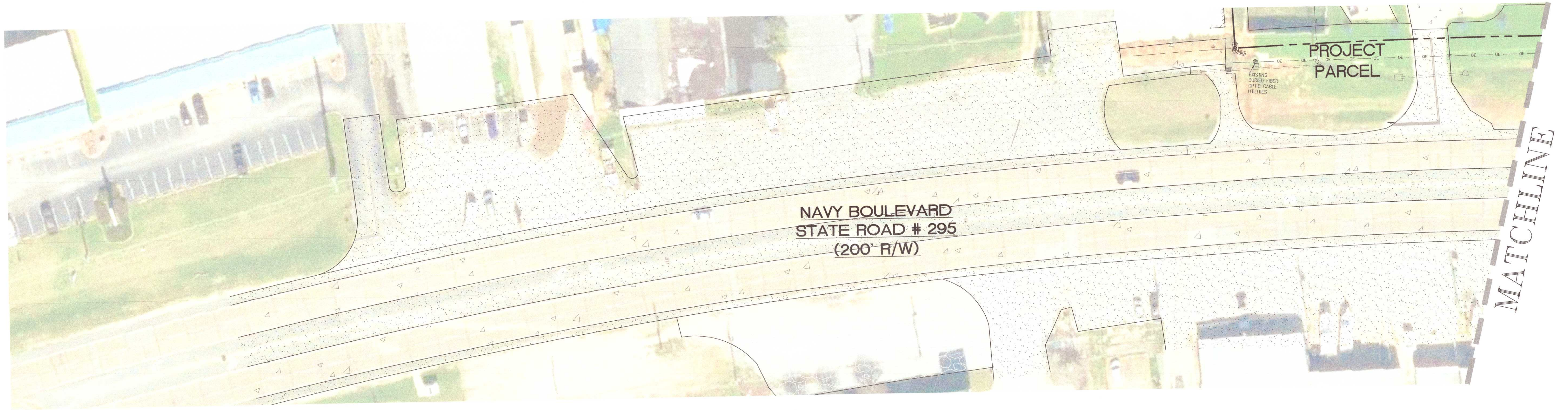
TOM@SELANDDESIGN.COM

ESCAMBIA COUNTY FLORIDA





LEGEND:	
	DENOTES EXISTING ASPHALT
	DENOTES EXISTING CONCRETE
	DENOTES PROPOSED GRAVEL
	DENOTES PROPOSED ASPHALT
	DENOTES PROPOSED CONCRETE
	DENOTES EXISTING STORM PIPE
	DENOTES EXISTING OVERHEAD ELECTRICAL
	DENOTES EXISTING UTILITY POLE
	DENOTES EXISTING GUY ANCHOR
	DENOTES EXISTING WATER METER
	DENOTES EXISTING SEWER VALVE
	DENOTES EXISTING BACK FLOW PREVENTER
	DENOTES EXISTING FIRE HYDRANT
	DENOTES EXISTING WATER VALVE
	DENOTES EXISTING BIOC MARKER
	DENOTES EXISTING SIGN

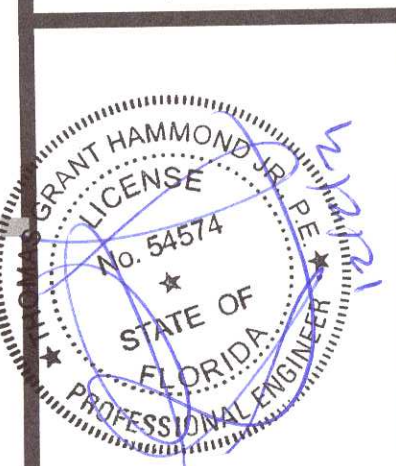


REVISIONS	
NO.	DATE
1	11/08/2021

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**HE**

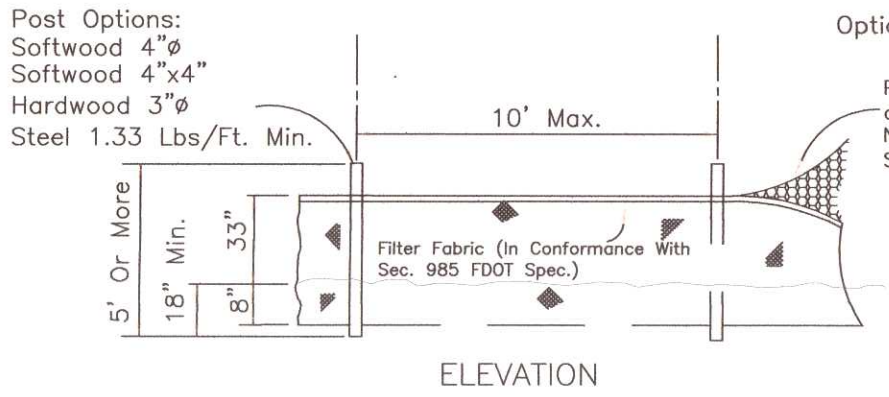
**HAMMOND ENGINEERING, INC.**  
FLORIDA AUTHORIZATION NO. 9130  
ALABAMA AUTHORIZATION NO. 3277  
3802 NORTH "S" STREET  
PENSACOLA, FLORIDA 32505  
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TOM@SELANDDESIGN.COM



DRAWN BY: CJB	
DESIGNED BY: RLS	
CHECKED BY: TGH	
DATE: 10/20/21	
SCALE: AS SHOWN	
NOT RELEASED FOR CONSTRUCTION	
BY:	DATE:
PROJECT NO: 21-040	
SHEET: C10	

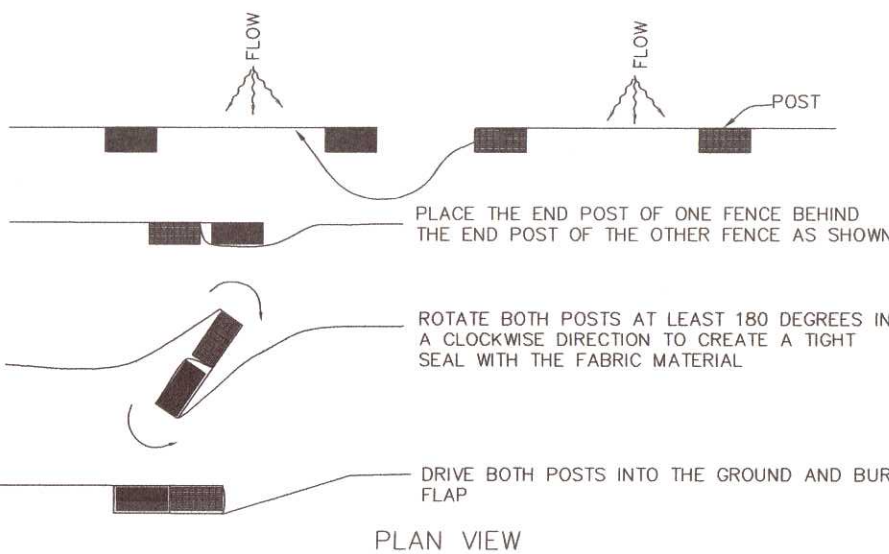
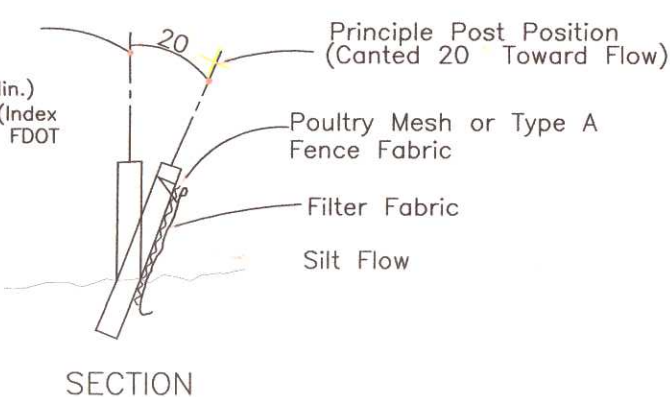
SITE DEVELOPMENT PLANS FOR
BGS MARINE
FDOT '660' PLAN
ESCAMBIA COUNTY FLORIDA





### TYPE IV SILT FENCE

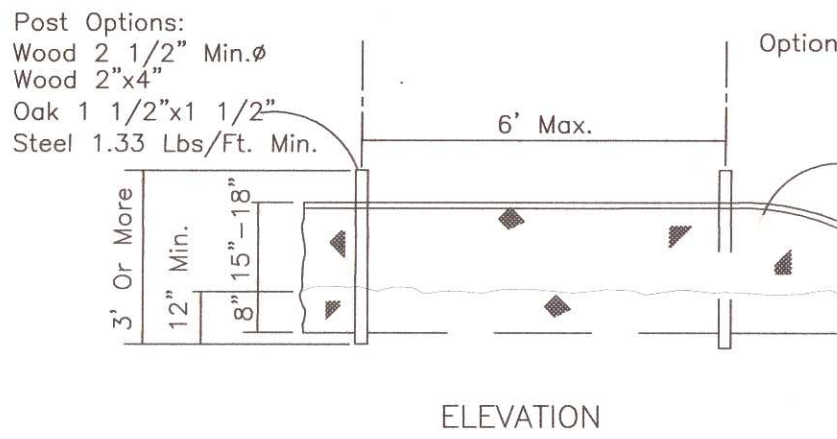
NTS



### JOINING TWO SILT FENCES

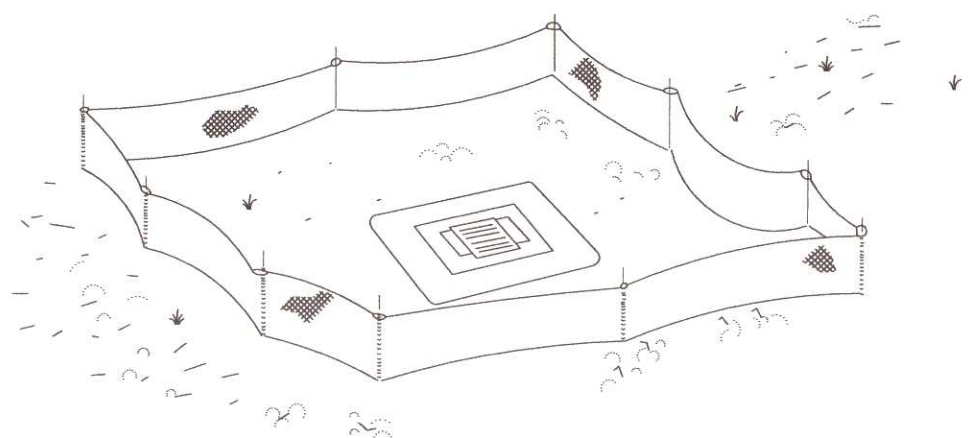
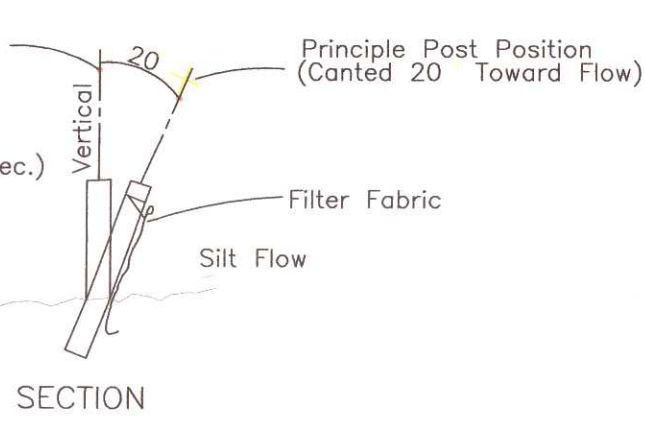
NTS

- NOTES FOR SILT FENCES:
1. 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)
  2. 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.
  3. 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.
  4. 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.

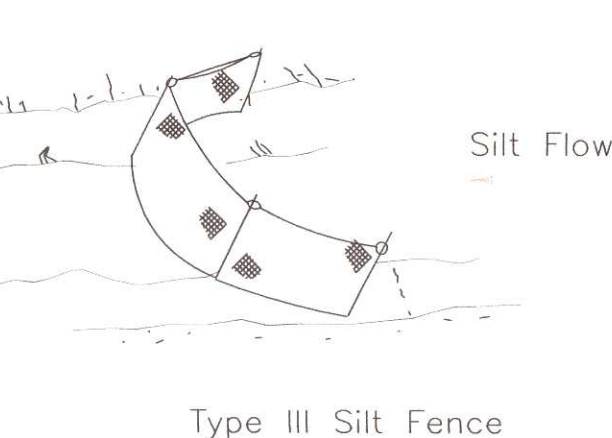


### TYPE III SILT FENCE

NTS



Type III Silt Fence Protection Around Ditch Bottom Inlets.

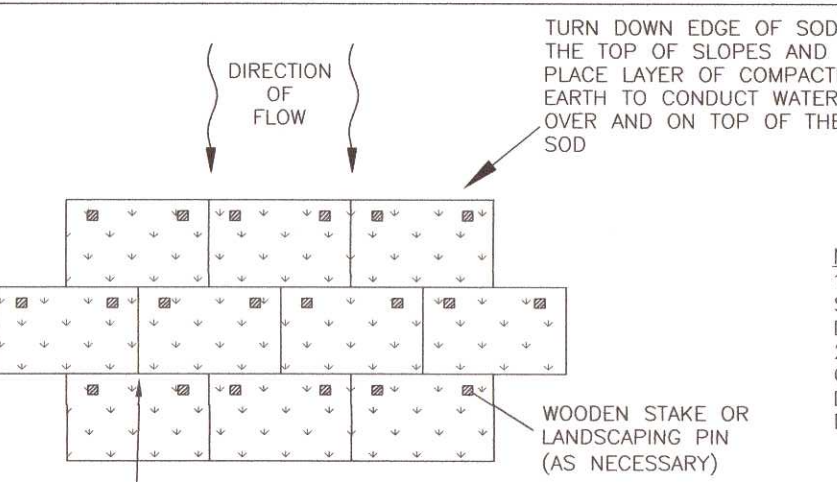


Type III Silt Fence

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.

### SILT FENCE APPLICATIONS

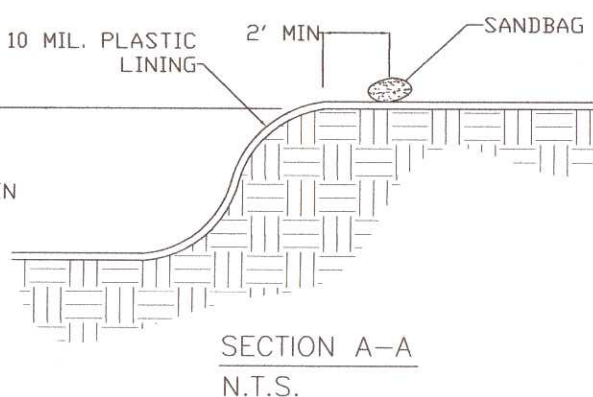
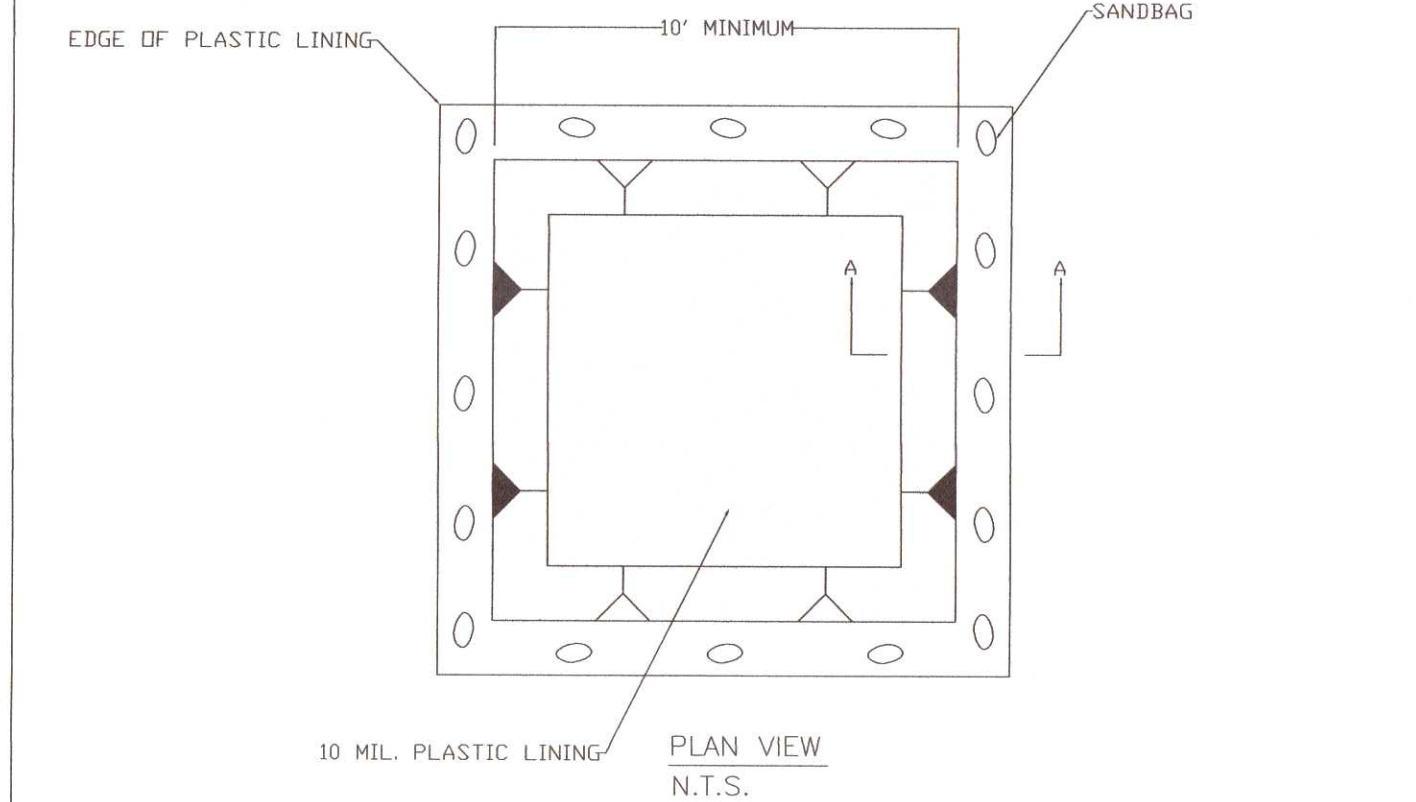
NTS



### SODDING DETAIL

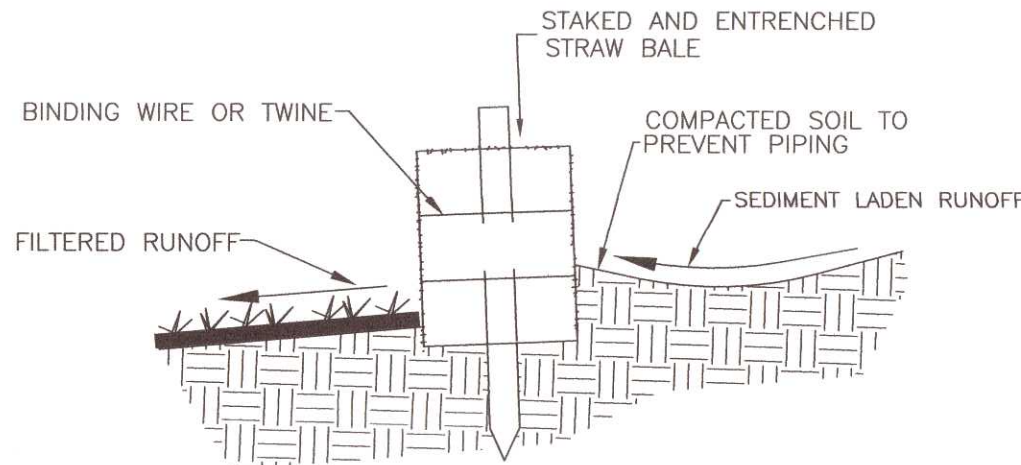
NTS

- NOTES:
1. PLACE SOD BEGINNING AT THE TOE OF THE SLOPE AND LONG EDGE PERPENDICULAR TO DIRECTION OF FLOW.
  2. SOD SHALL BE STAKED ON ALL SLOPES 4:1 OR STEEPER, IN ANY AREAS OF CONCENTRATED DRAINAGE FLOWS AND ANYWHERE THAT THERE IS DANGER OF SOD SLIPPING.



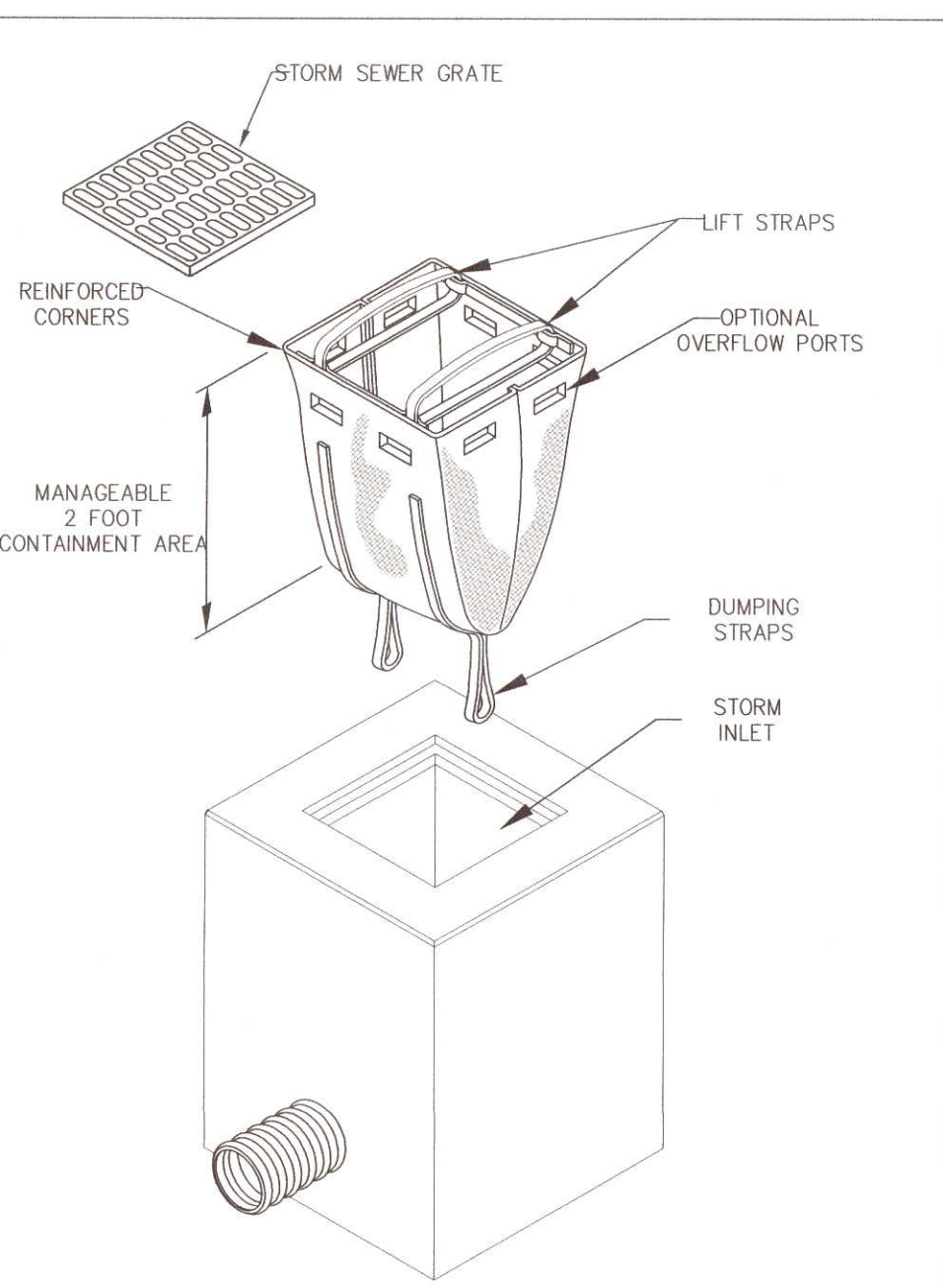
### CONCRETE WASHOUT DETAIL

NTS



### HAY BALE INSTALLATION DETAIL

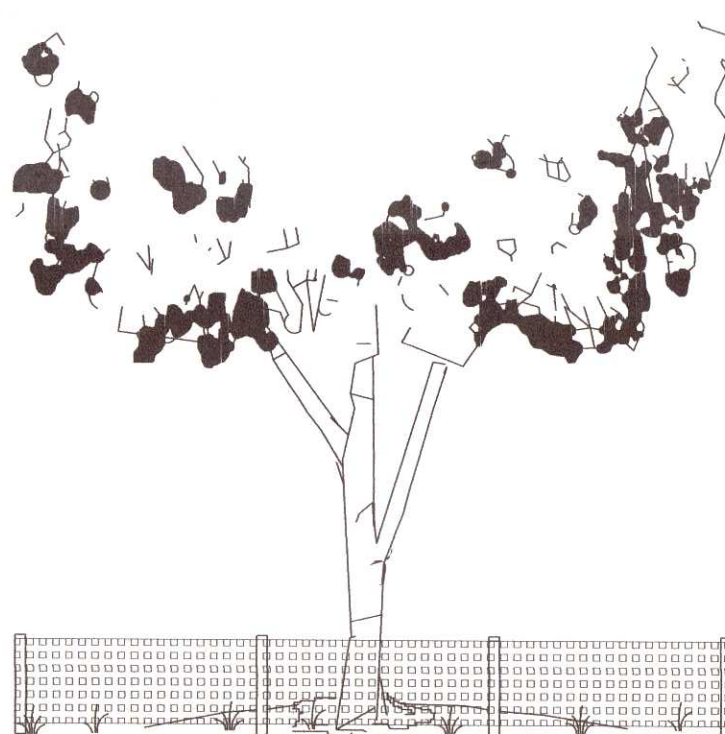
NTS



NTS

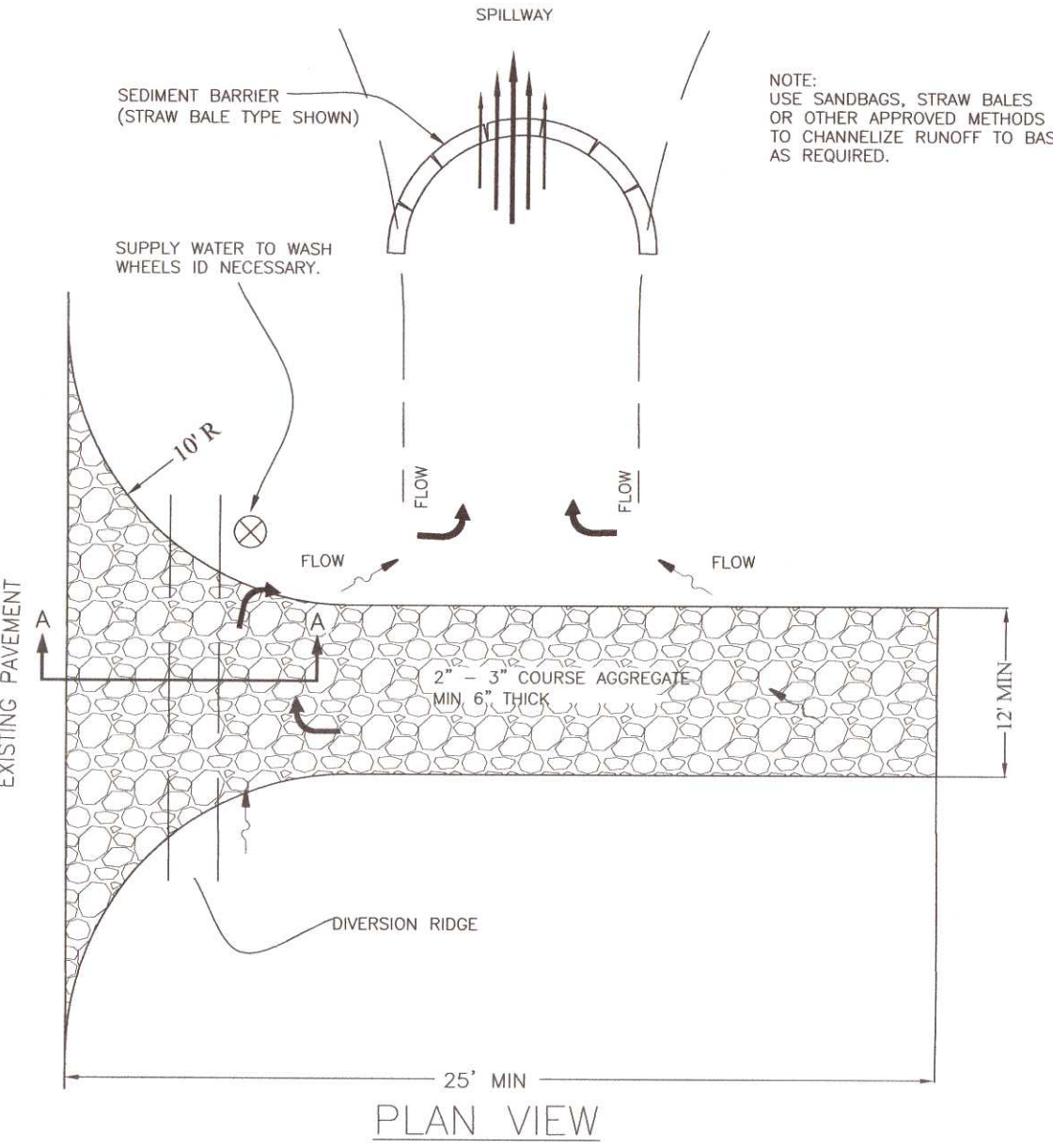
TREE PROTECTION BARRICADES SHOULD BE PLACED AT THE PERIMETER OF EACH PROTECTED TREE'S CRITICAL ROOT ZONE. THE CRITICAL ROOT ZONE (CRZ) IS REPRESENTED BY A CIRCLE, CENTERED ON THE TREE TRUNK AND HAVING A RADIUS OF ONE FOOT FOR EACH ONE INCH OF TRUNK DIAMETER (DBH)

NO UN-PERMITTED GRADING OR CLEARING BY HEAVY EQUIPMENT SHOULD HAPPEN 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.

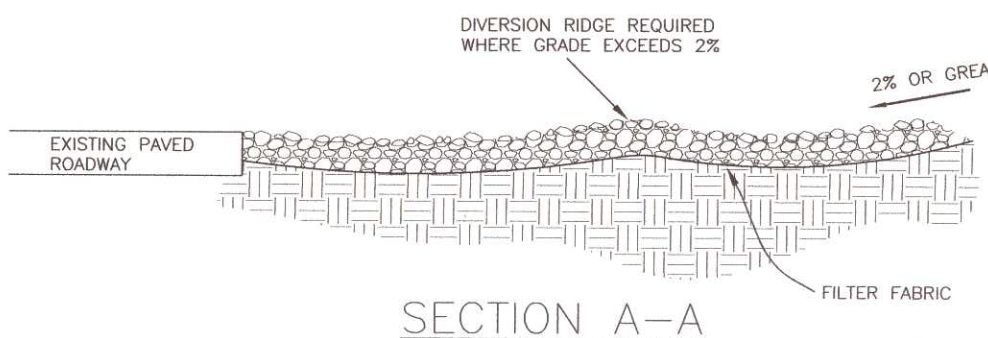


PROPERLY CONSTRUCTED BARRICADE PROTECTS THE TOTAL AREA WITHIN THE CRITICAL ROOT ZONE. CRITICAL ROOT ZONE OF A TREE IS REPRESENTED BY A CIRCLE, CENTERED ON THE TREE TRUNK AND HAVING A RADIUS OF ONE FOOT FOR EACH ONE INCH OF TRUNK DIAMETER (DBH)

### TREE PROTECTION BARRIER



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

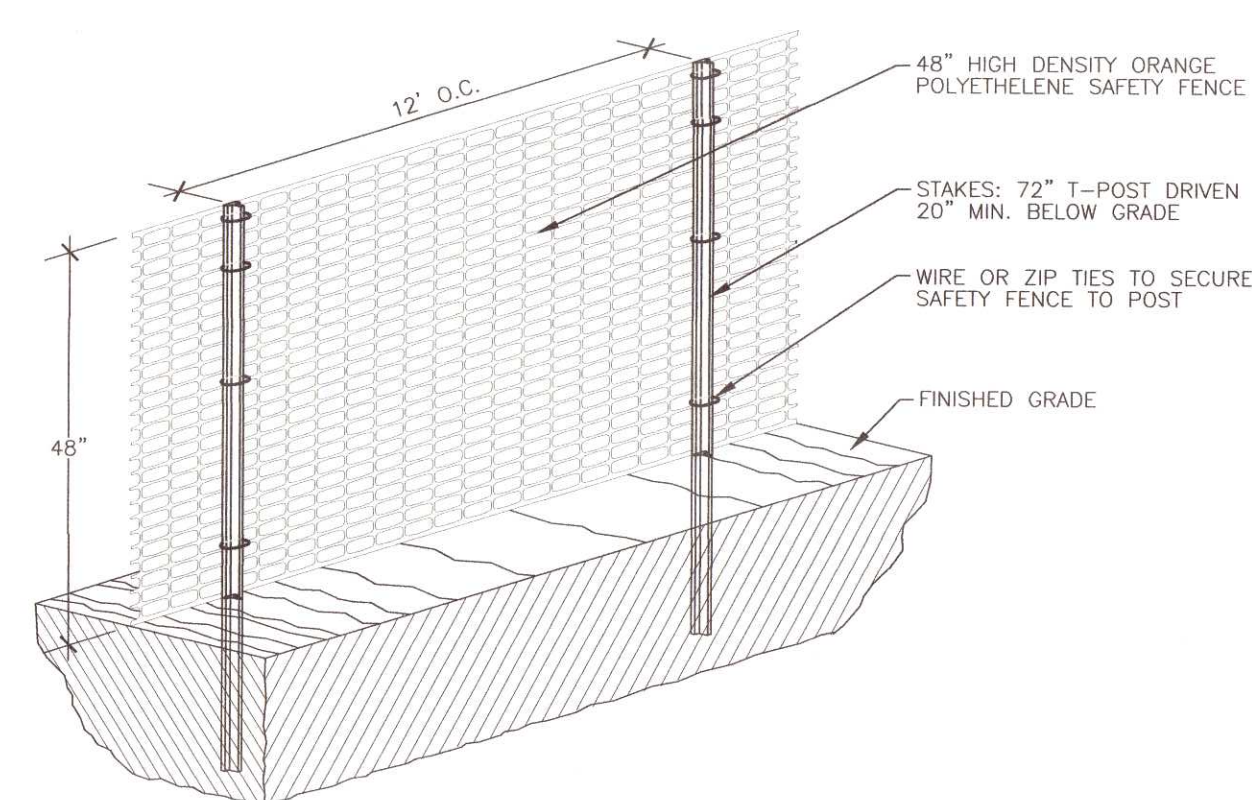


### TEMPORARY CONSTRUCTION ENTRANCE

NTS

- NOTES:
1. 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.
  2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
  3. 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.

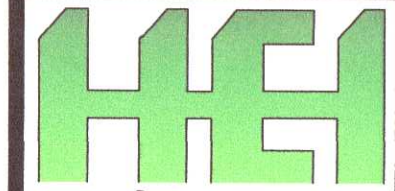
Offsite vehicle tracking of sediments and geration of dust shall be minimized. A stabilized construction access road shall be utilized to reduce off-site tracking. Offsite sediment removal should be conducted at a frequency necessary to minimize impacts. Vehicle wash area should be considered if offsite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



### SENSITIVE AREA/TREE PROTECTION BARRIER

- NOTES:
1. ALL SENSITIVE AREAS SHALL BE PROTECTED INCLUDING DEEP EXCAVATIONS AND AS INDICATED ON PLANS.
  2. ALL TREES IN THE CONSTRUCTION AREA NOT SPECIFICALLY DESIGNATED FOR REMOVAL SHALL BE PRESERVED AND PROTECTED WITH HIGH VISIBILITY FENCE AS PER PLAN.
  3. 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.
  4. SAFETY FENCE SHOULD BE FASTENED SECURELY TO THE T-POSTS.
  5. THE FENCING MUST REMAIN IN PLACE DURING ALL PHASES OF CONSTRUCTION; ANY CHANGE OF THE PROTECTIVE FENCING MUST BE APPROVED.
  6. 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.
  7. 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	11/08/2021	REVISED PLANS AS PER ESCAMBIA COUNTY DRC REVIEW COMMENTS



HAMMOND ENGINEERING, INC.  
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TOM@SELANDDESIGN.COM



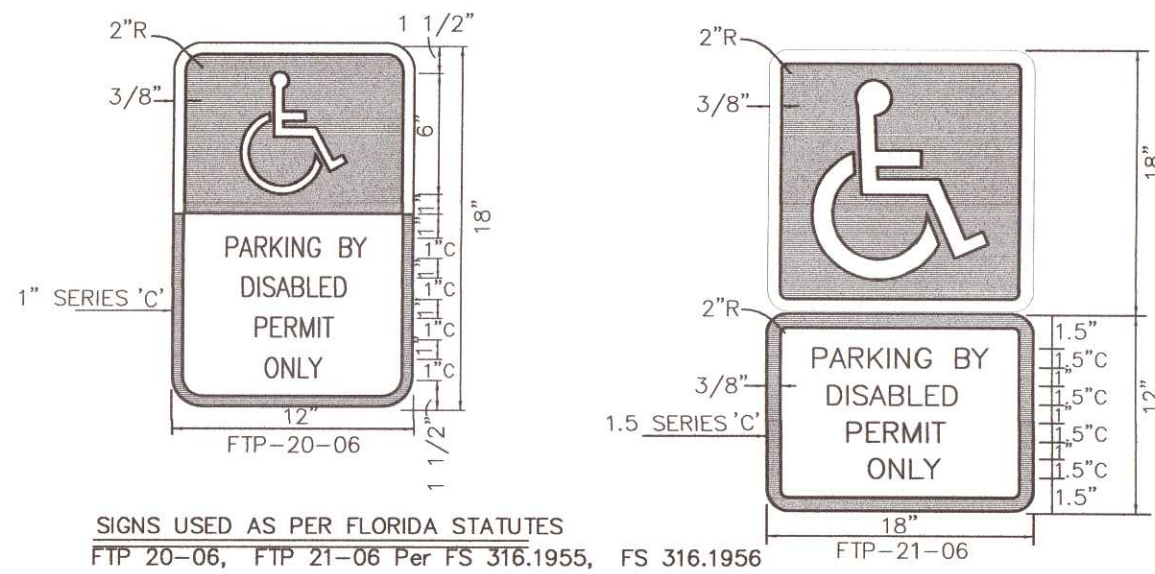
SITE DEVELOPMENT  
PLANS FOR  
BGS MARINE  
EROSION CONTROL  
DETAILS  
ESCAMBIA COUNTY FLORIDA

DRAWN BY: CJB	DESIGNED BY: RLS
CHECKED BY: TGH	DATE: 10/20/21
SCALE: AS SHOWN	NOT RELEASED FOR CONSTRUCTION
BY:	DATE:

PROJECT NO: 21-040

SHEET: C11





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

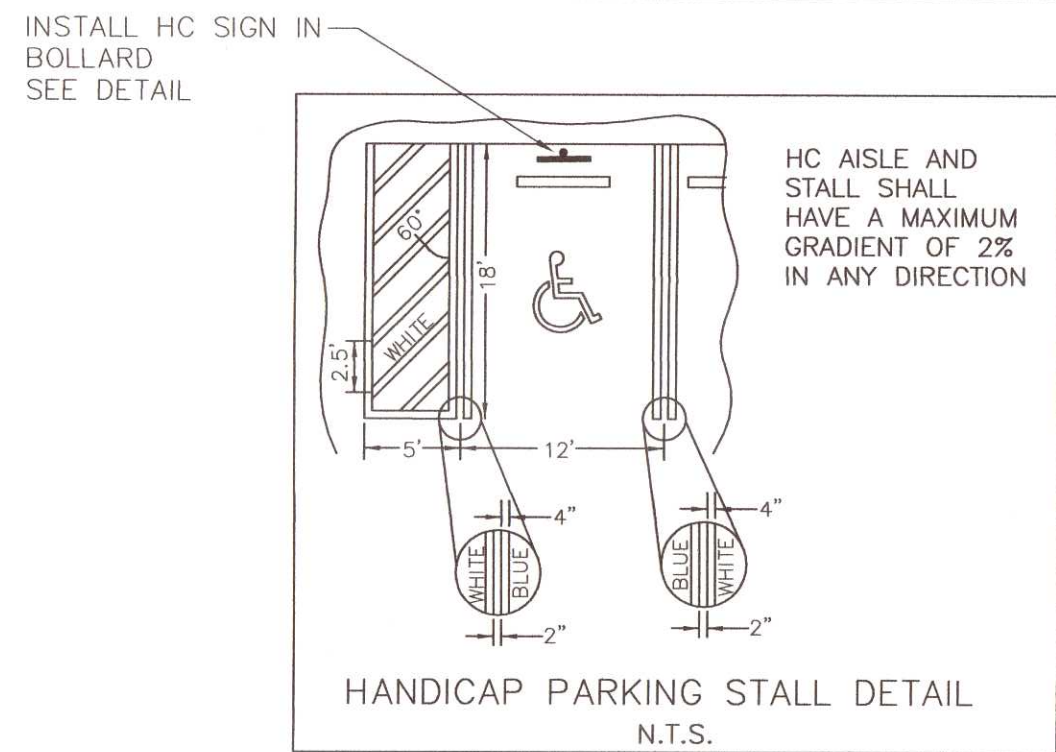
**VIOLATORS  
\$250 FINE**

INSTALL BELOW HANDICAP SIGN  
(FTP-22-06)

- 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).

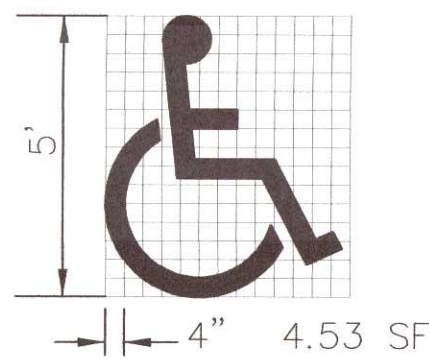
### HANDICAPPED PARKING SIGN DETAIL

NTS



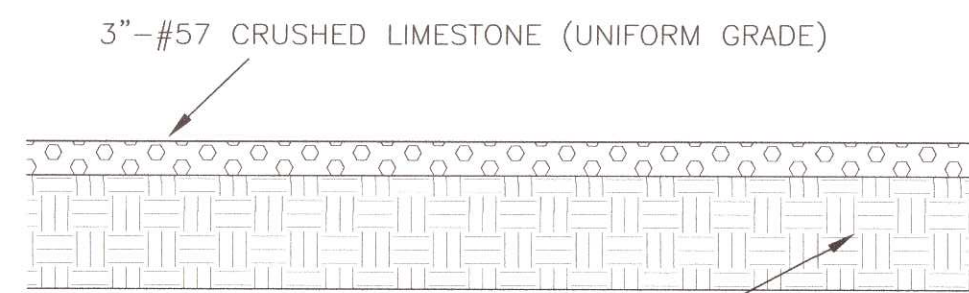
HANDICAP PARKING SPACE TO CONSTRUCTED IN ACCORDANCE TO FDOT ROADWAY AND TRAFFIC DESIGN STANDARD INDEX 17346

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



### HANDICAP PAVEMENT SYMBOL/LINING

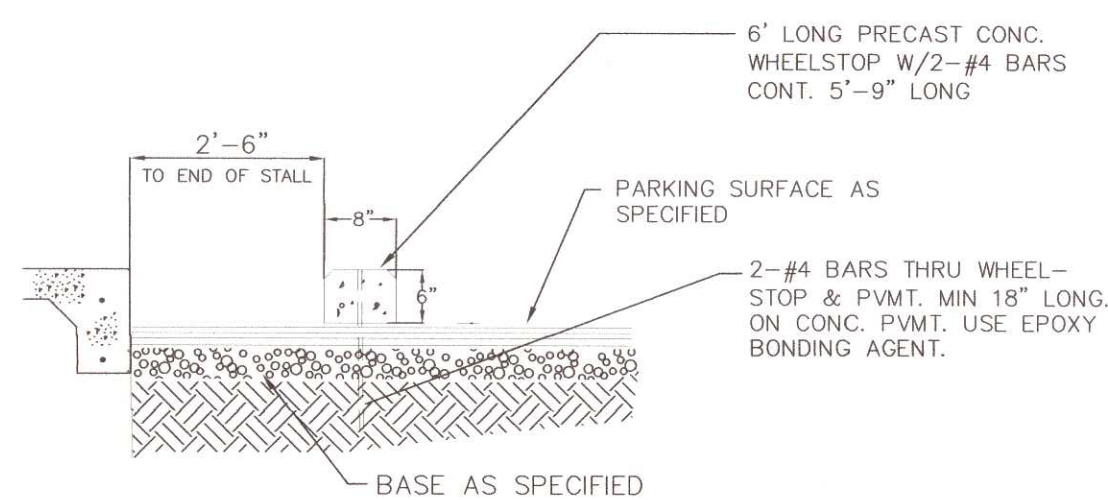
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8" SUB GRADE COMPACTED TO 98% PER ASTM D 1557. MIN. LBR 40

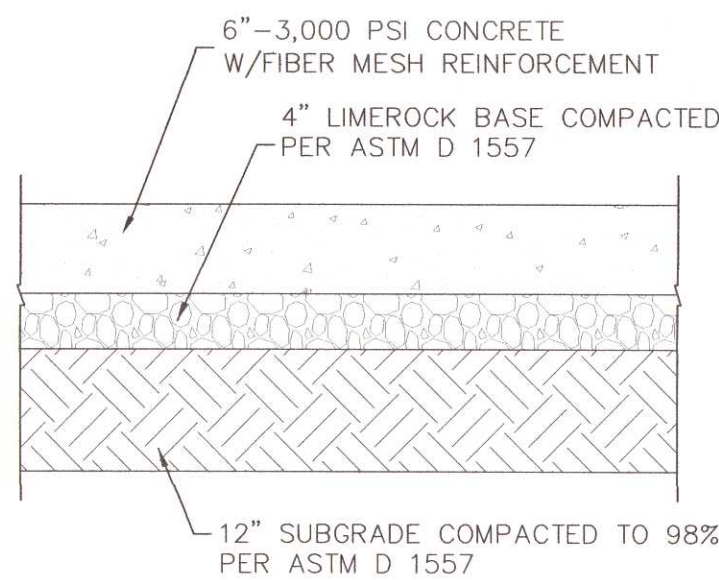
### TYPICAL ROCK PARKING LOT SECTION

\*NOTE: FINISHED SURFACE MUST WITHSTAND A MINIMUM OF 40 TONS



### BUMPER BLOCK INSTALLATION

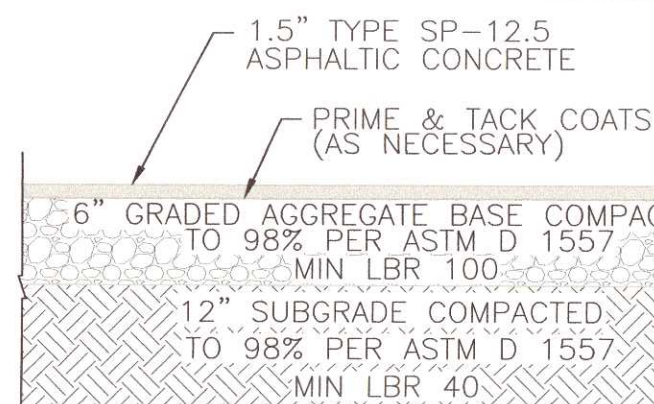
NTS



### STANDARD CONCRETE SECTION

NTS

- NOTES:
1. SAWED OR SCORED CONTROL JOINTS SHALL BE SPACED AT 5 FT MAXIMUM FOR SIDEWALKS AND 12 FT FOR DRIVES.
  2. CONSTRUCT EXPANSION JOINTS WHERE NEW CONCRETE ABUTS NEW OR EXISTING CONCRETE CURBS, ASPHALT, OR OTHER STRUCTURES AND/OR ON 40 FT CENTERS ON SIDEWALKS AND 30' CENTERS ON DRIVES.
  3. THOROUGHLY CLEAN JOINT OF ALL SAND, SOIL AND MISC. DEBRIS. APPLY MASKING TAPE ALONG SIDES OF JOINT FOR TEMPORARY PROTECTION DURING SEALANT APPLICATIONS. APPLY FULL BEAD OF VULKEM 116 OR 245 (NON SAG), OR APPROVED EQUAL, POURABLE SEALANT AND TOOL LIGHTLY. REMOVE TAPE IMMEDIATELY.
  4. ALL CONCRETE SHALL BE TYPE 1 AND MEET THE REQUIREMENTS OF THE APPROPRIATE SECTIONS OF THE FDOT STANDARD SPECIFICATIONS, LATEST EDITION, UNLESS OTHERWISE NOTED ON DETAILS OR PLANS.
  5. MATERIAL, DESIGN AND TEST SUBMITTALS SHALL BE PER THE FDOT STANDARD SPECIFICATIONS, LATEST EDITION.

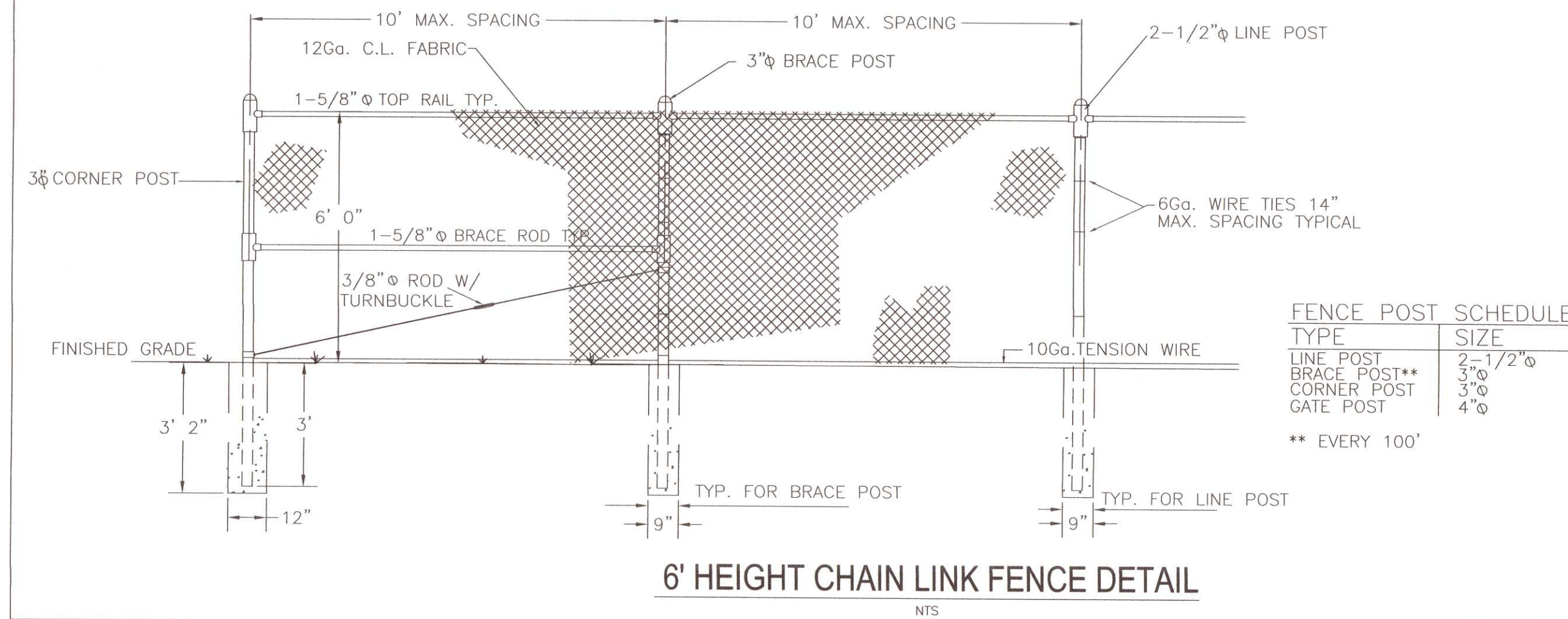


### TYPICAL ON-SITE ASPHALT SECTION

NTS

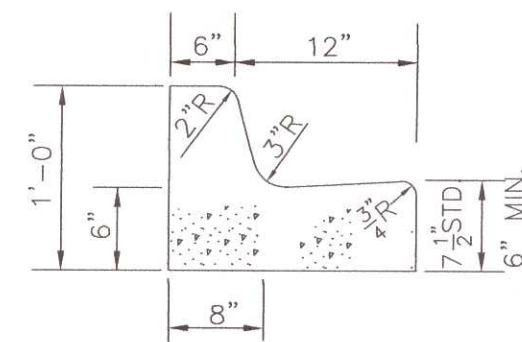
NOTE:

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' HEIGHT CHAIN LINK FENCE DETAIL

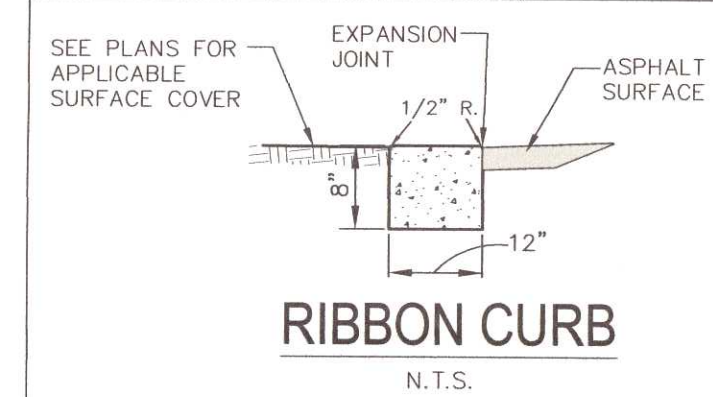
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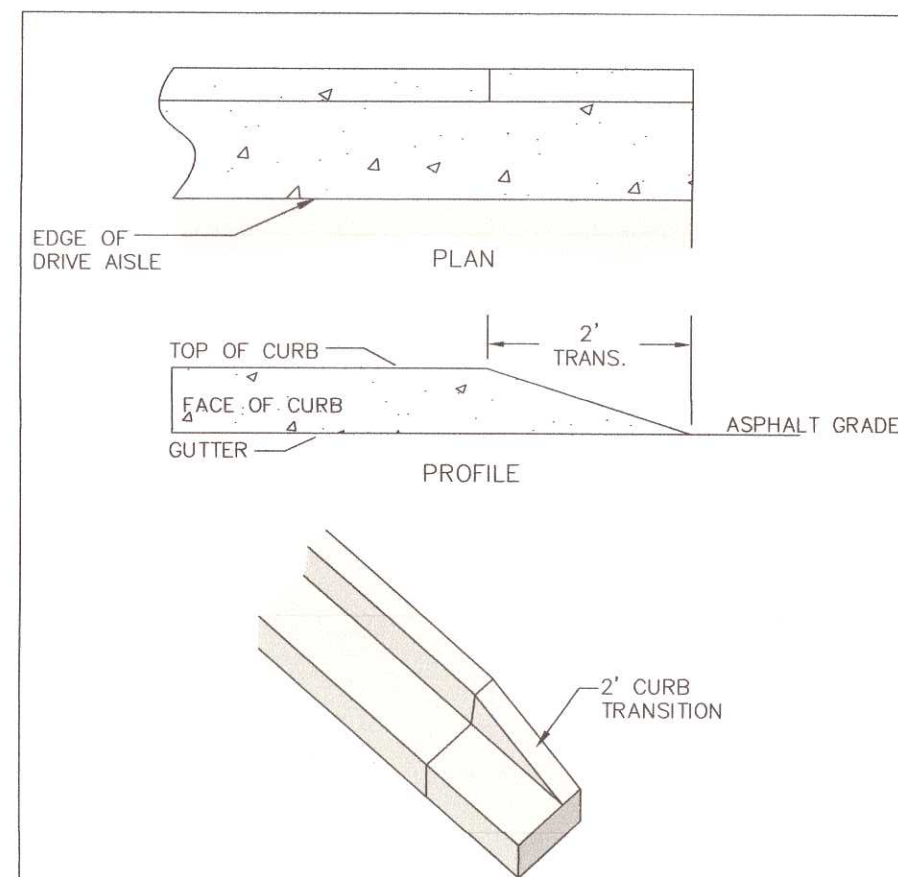
NOTE: WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT AND THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS.

### CURB & GUTTER DETAIL

NTS

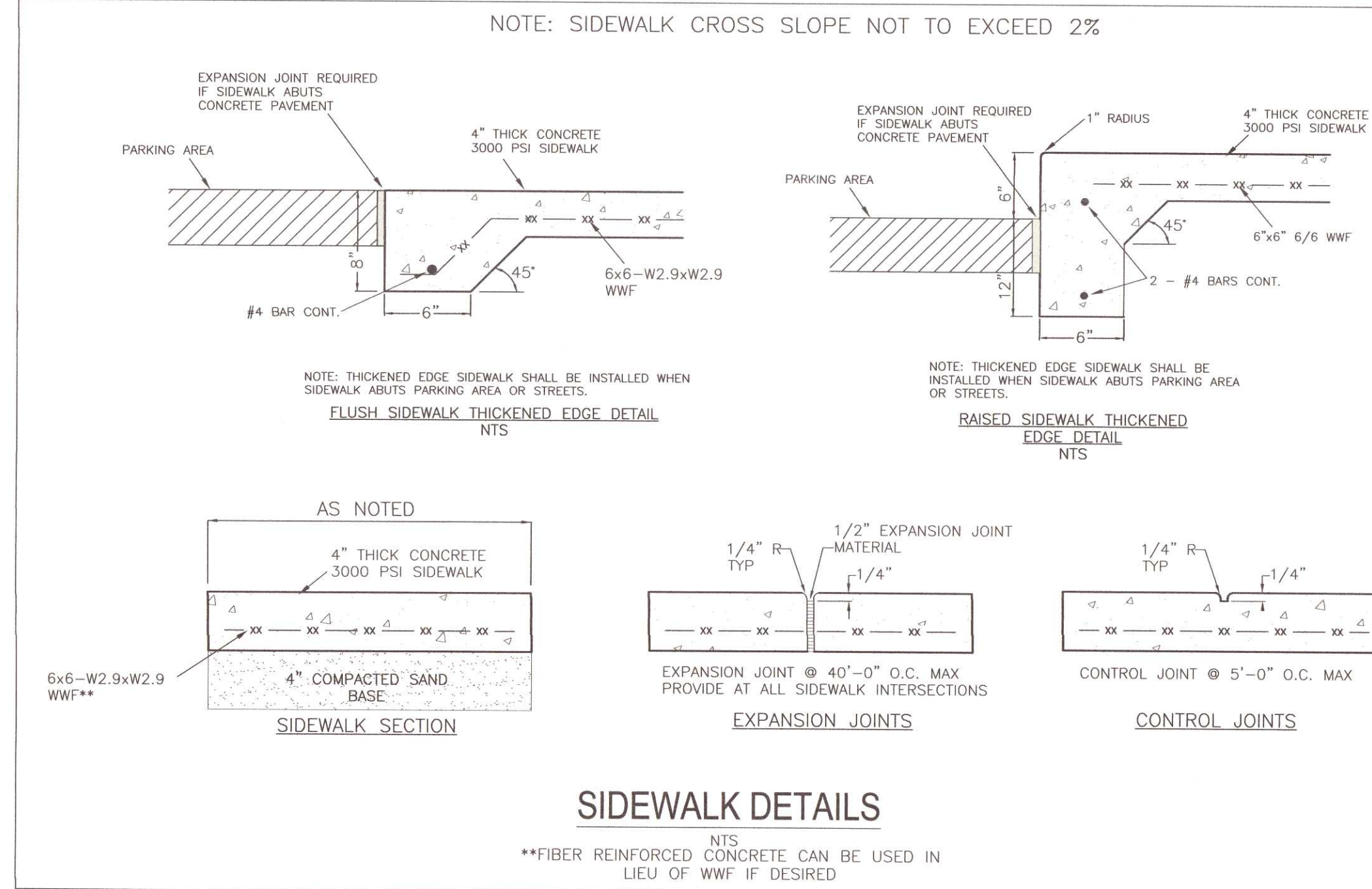


- NOTE:
1. ALL CURB TO HAVE CONTROL JOINT AT 15' ON CENTER & AT ALL PC'S & PT'S. MIN. DEPTH OF JOINT TO BE 2".
  2. EXPANSION JOINTS ARE TO BE 60' ON CENTER. TYPICAL FOR ALL CURB.
  3. CONCRETE TO BE 3000 PSI.



### CURB AND GUTTER TAPER

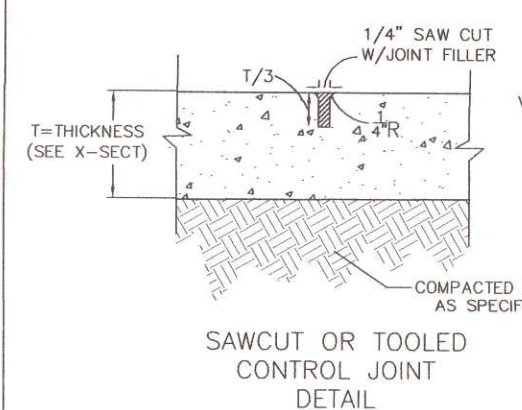
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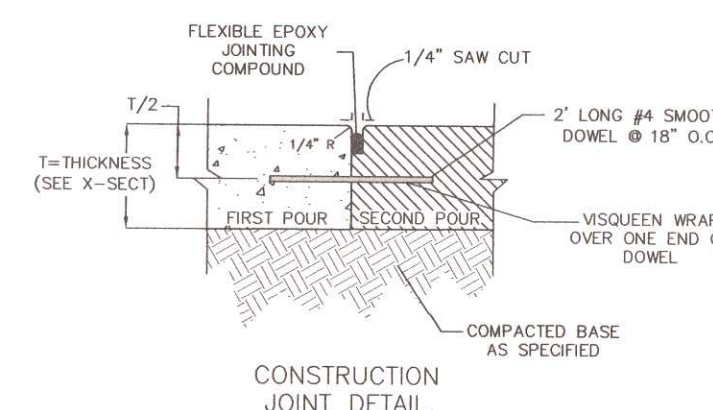
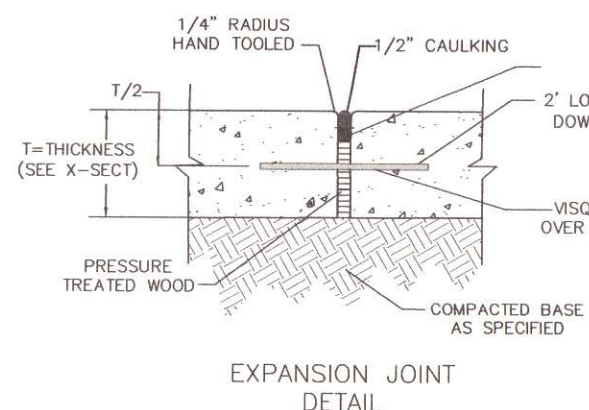
### SIDEWALK DETAILS

NTS

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



JOINT FILLER  
VULKEM 116 OR 245 (NON SAG) JOINT MATERIAL TO BE INSTALLED PER MANUFACTURERS SPEC.  
SAW CUT MUST BE COMPLETED WITHIN 24 HOURS OF POUR



### CONCRETE JOINT DETAILS

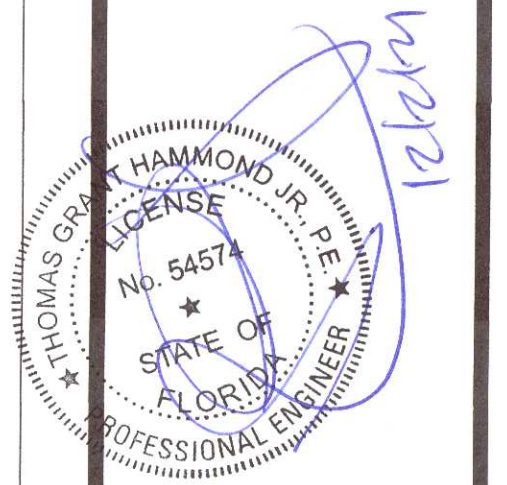
NTS

REVISIONS

NO.	DATE	REVISIONS
1	11/08/2021	REVISED PLANS AS PER ESCAMBIA COUNTY DEC REVIEW COMMENTS

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**SITE DEVELOPMENT  
PLANS FOR**

**BGS MARINE**

**CONSTRUCTION DETAILS**

**ESCAMBIA COUNTY FLORIDA**

DRAWN BY: CJIS  
DESIGNED BY: RLS  
CHECKED BY: TGH  
DATE: 10/20/21  
SCALE: AS SHOWN  
NOT RELEASED FOR CONSTRUCTION  
BY: DATE:

PROJECT NO: 21-040

SHEET: C12







NYLOPLAST SPECIFICATIONS  
Engineered Surface Drainage Products

GENERAL

PVC surface drainage inlets shall include the drain basin type as indicated on the contract drawing and referenced within the contract specifications. The ductile iron grates for each of these fittings are to be considered an integral part of the surface drainage inlet and shall be furnished by the same manufacturer. The surface drainage inlets shall be as manufactured by Nyloplast a division of Advanced Drainage Systems, Inc., or prior approved equal.

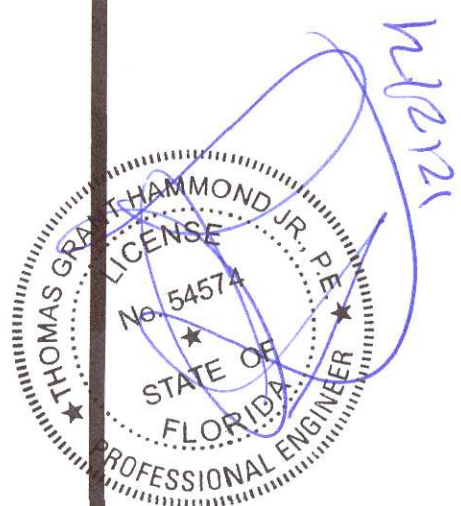
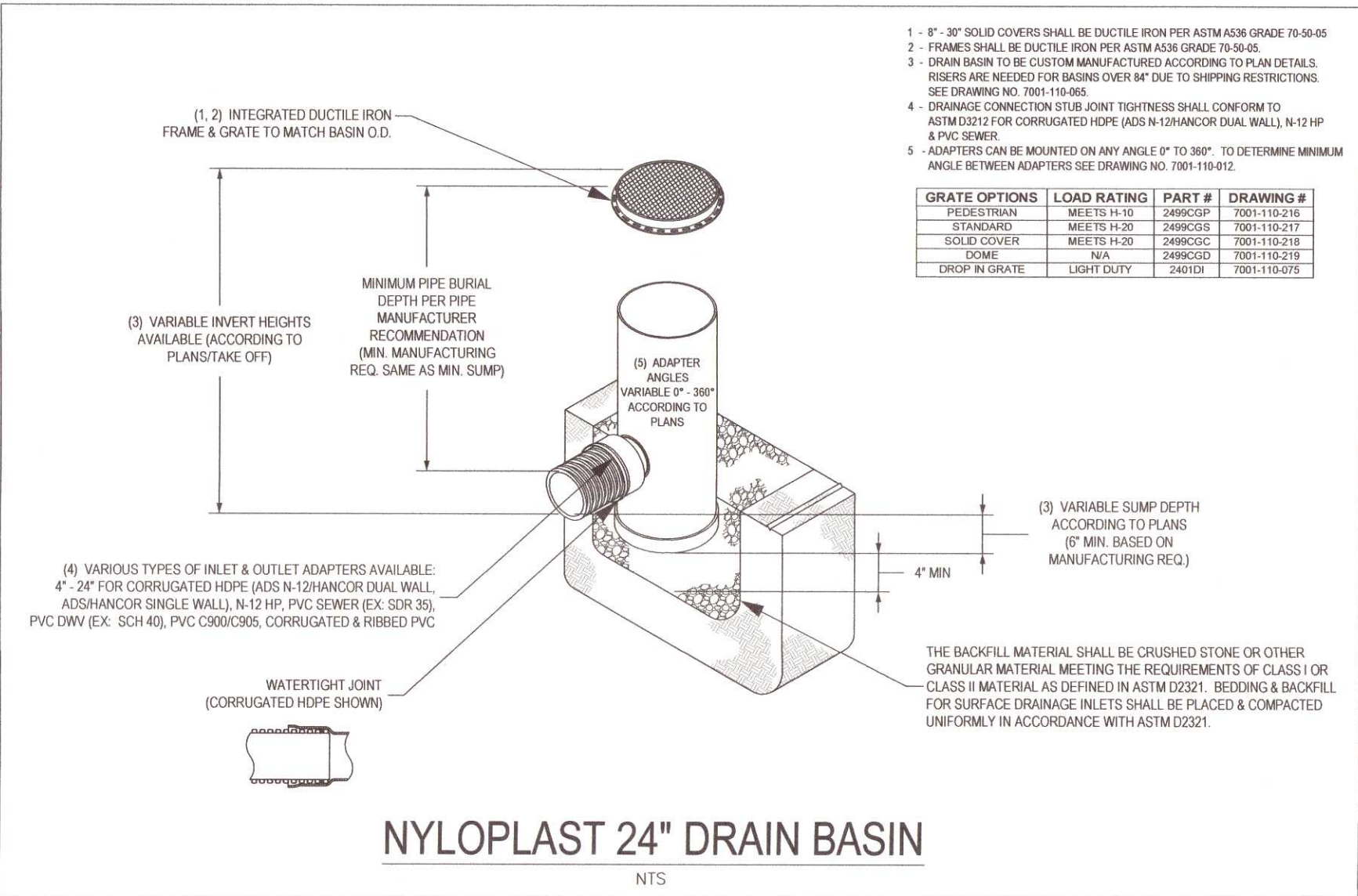
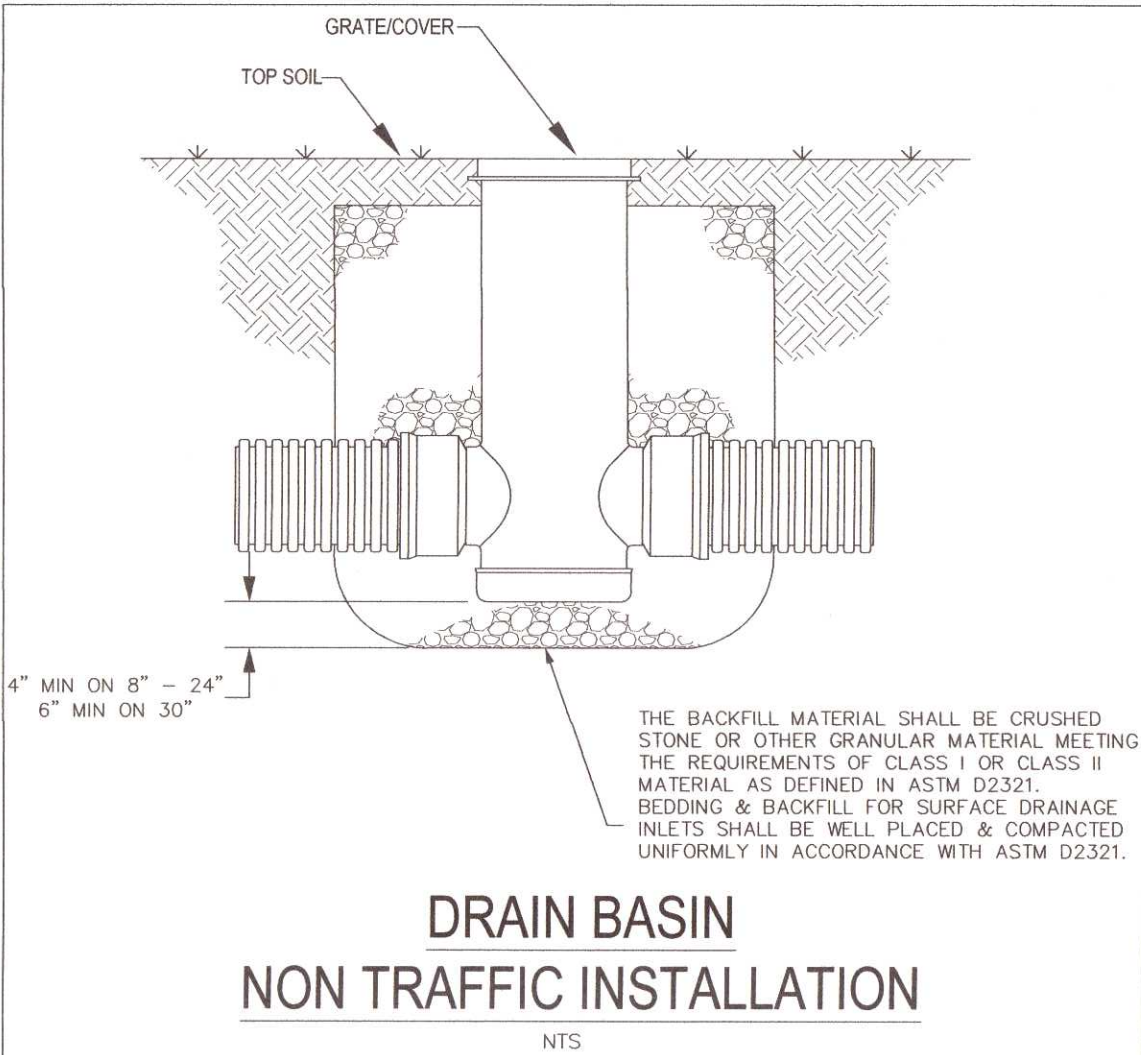
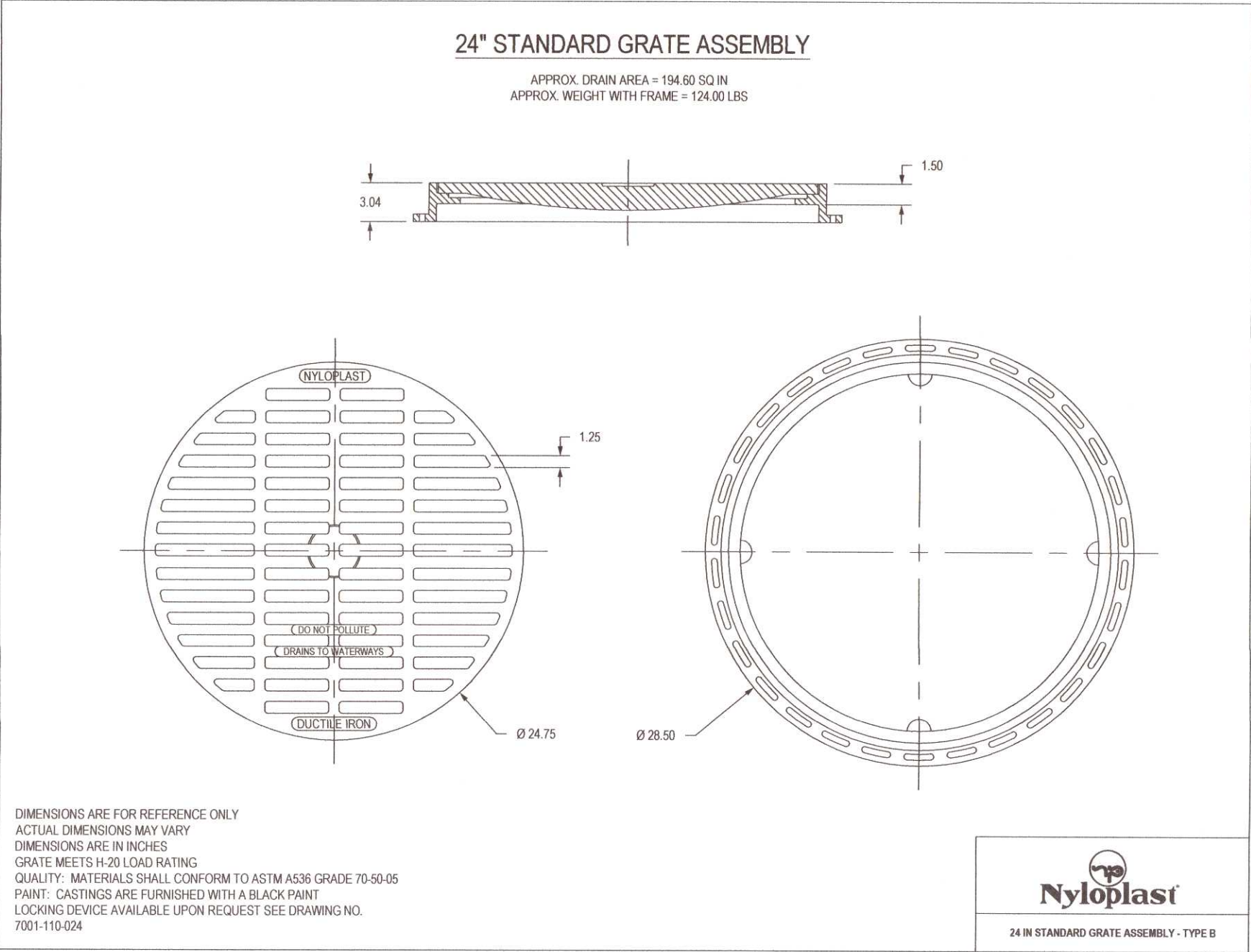
MATERIALS

The drain basins required for this contract shall be manufactured from PVC pipe stock, utilizing a thermoforming process to reform the pipe stock to the specified configuration. The drainage pipe connection stubs shall be manufactured from PVC pipe stock and formed to provide a watertight connection with the specified pipe system. This joint tightness shall conform to *ASTM D3212 for joints for drain and sewer plastic pipe using flexible elastomeric seals*. The flexible elastomeric seals shall conform to *ASTM F477*. The pipe bell spigot shall be joined to the main body of the drain basin or catch basin. The raw material used to manufacture the pipe stock that is used to manufacture the main body and pipe stubs of the surface drainage inlets shall conform to *ASTM D1784 cell class 12454*.

The grates and frames furnished for all surface drainage inlets shall be ductile iron for sizes 8", 10", 12", 15", 18", 24" and 30" and shall be made specifically for each basin so as to provide a round bottom flange that closely matches the diameter of the surface drainage inlet. Grates for drain basins shall be capable of supporting various wheel loads as specified by Nyloplast. 12" and 15" square grates will be hinged to the frame using pins. Ductile iron used in the manufacture of the castings shall conform to *ASTM A536 grade 70-50-05*. Grates and covers shall be provided painted black.

INSTALLATION

The specified PVC surface drainage inlet shall be installed using conventional flexible pipe backfill materials and procedures. The backfill material shall be crushed stone or other granular material meeting the requirements of class 1 or class 2 material as defined in *ASTM D2321*. Bedding and backfill for surface drainage inlets shall be well placed and compacted uniformly in accordance with *ASTM D2321*. The drain basin body will be cut at the time of the final grade. No brick, stone or concrete block will be required to set the grate to the final grade height. For load rated installations, a concrete slab shall be poured under and around the grate and frame. The concrete slab must be designed taking into consideration local soil conditions, traffic loading, and other applicable design factors. For other installation considerations such as migration of fines, ground water, and soft foundations refer to *ASTM D2321* guidelines.

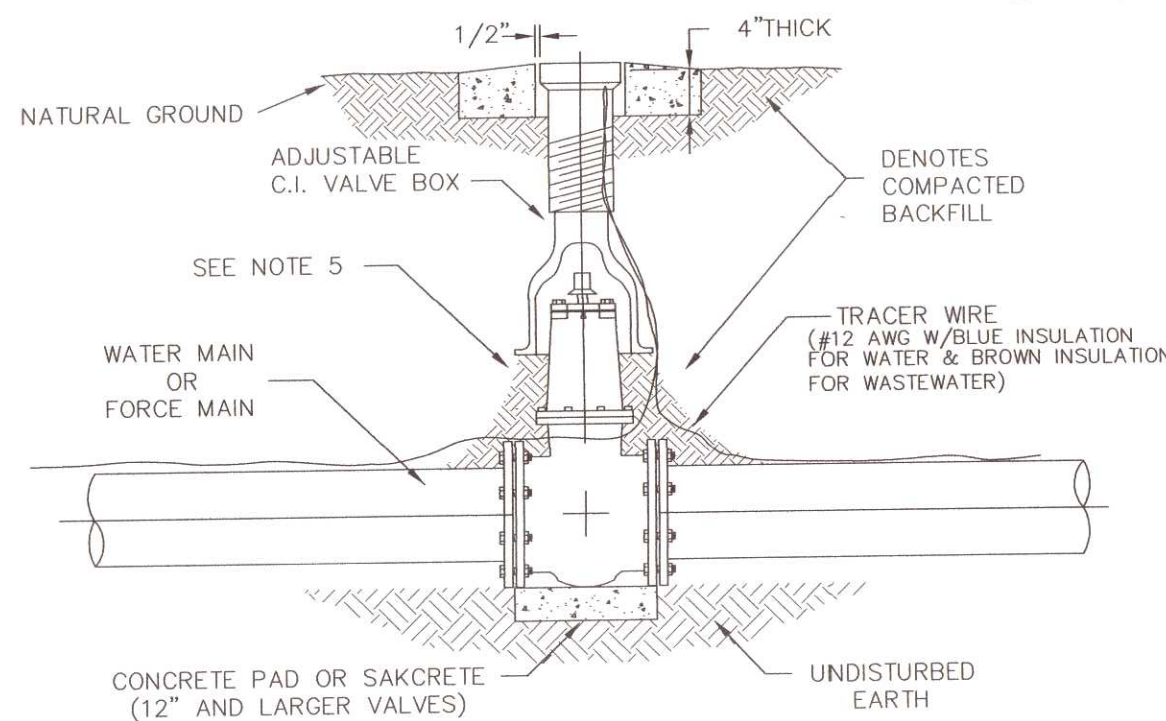
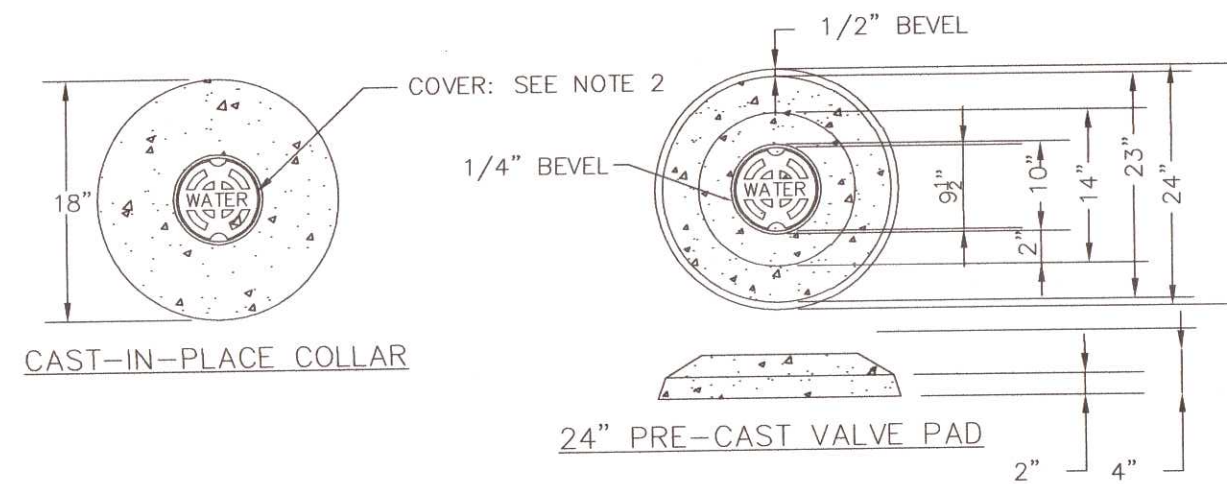


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SITE DEVELOPMENT  
PLANS FOR  
BGS MARINE  
DRAINAGE DETAILS  
ESCAMBIA COUNTY FLORIDA

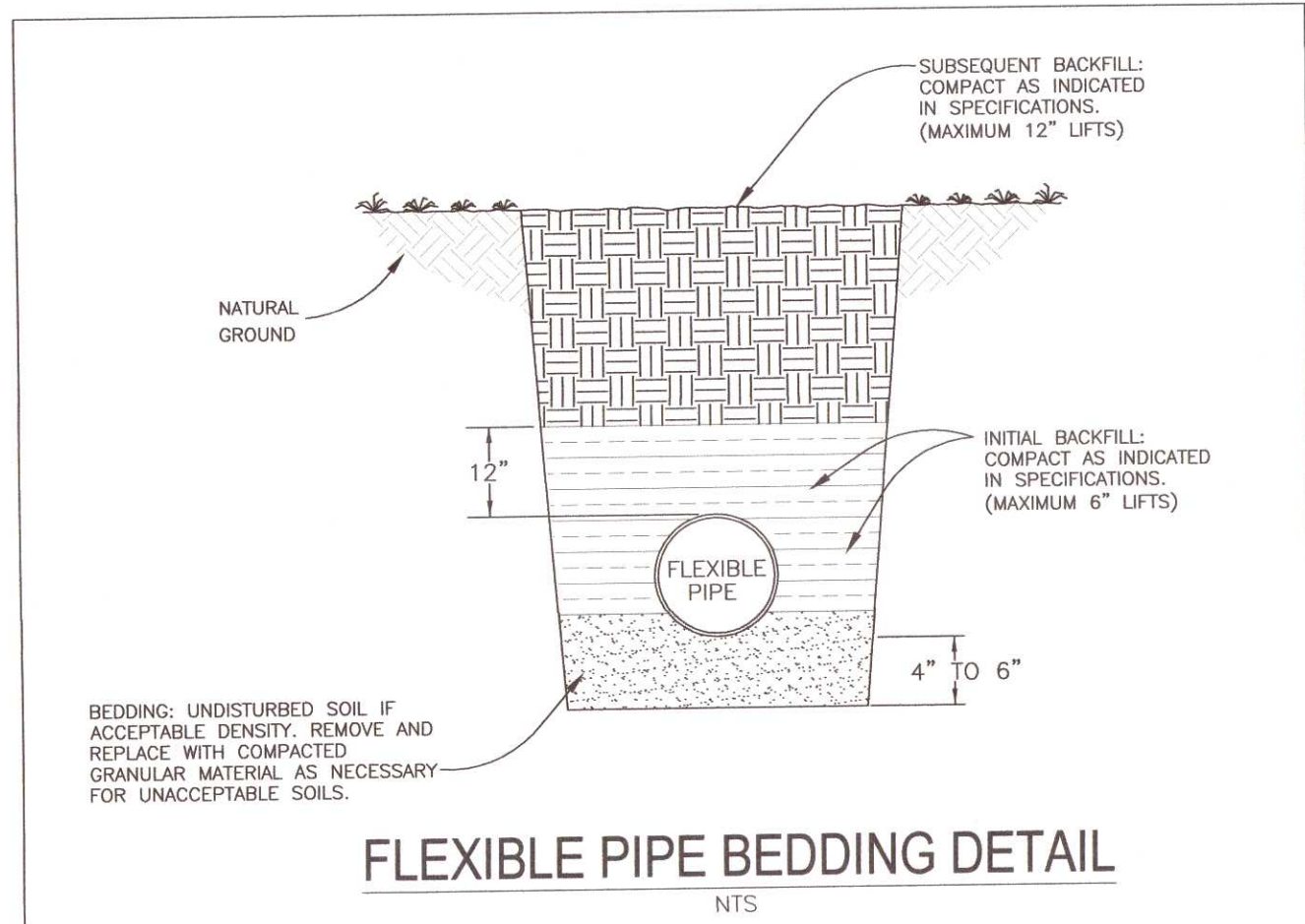
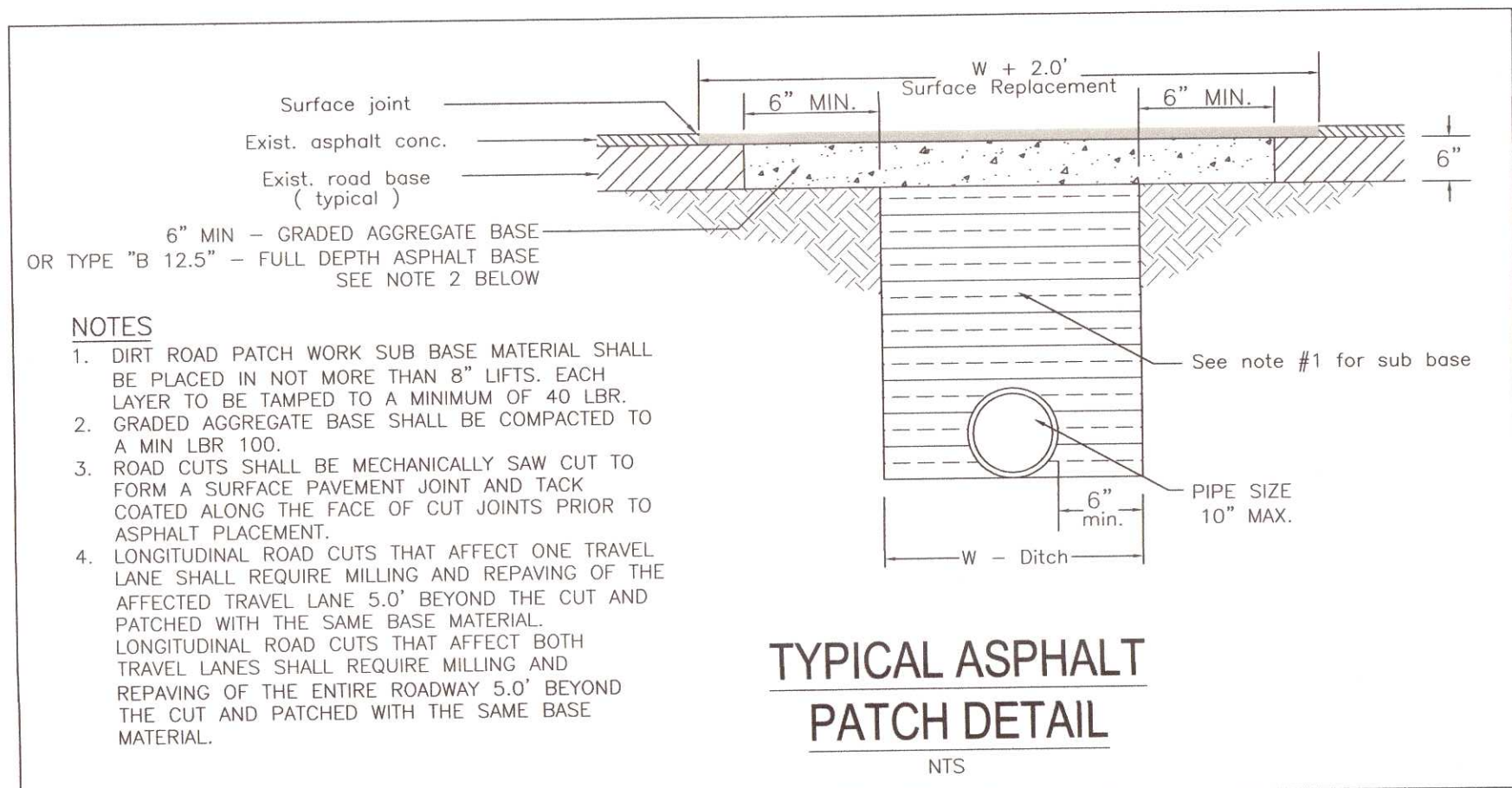
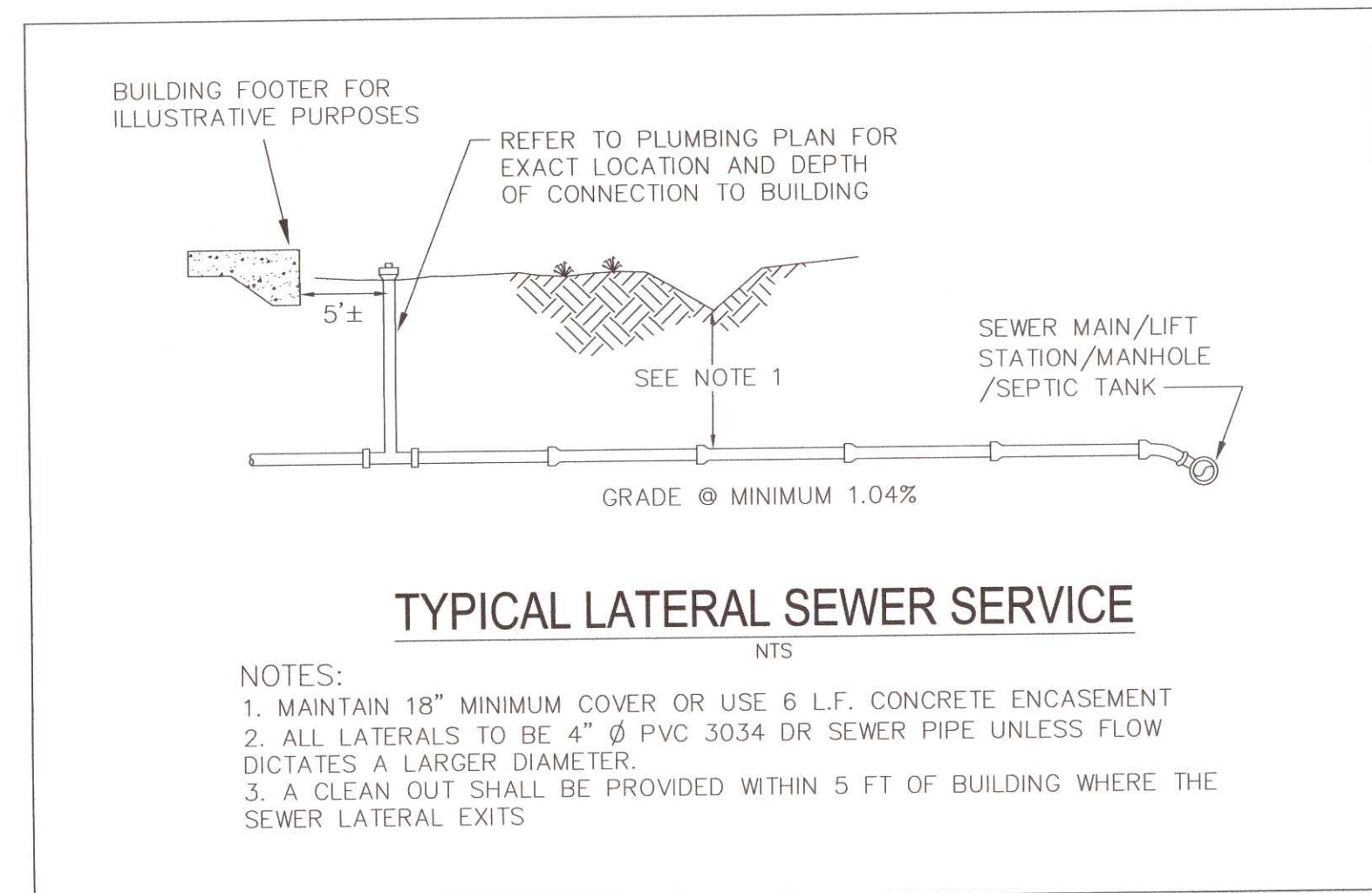
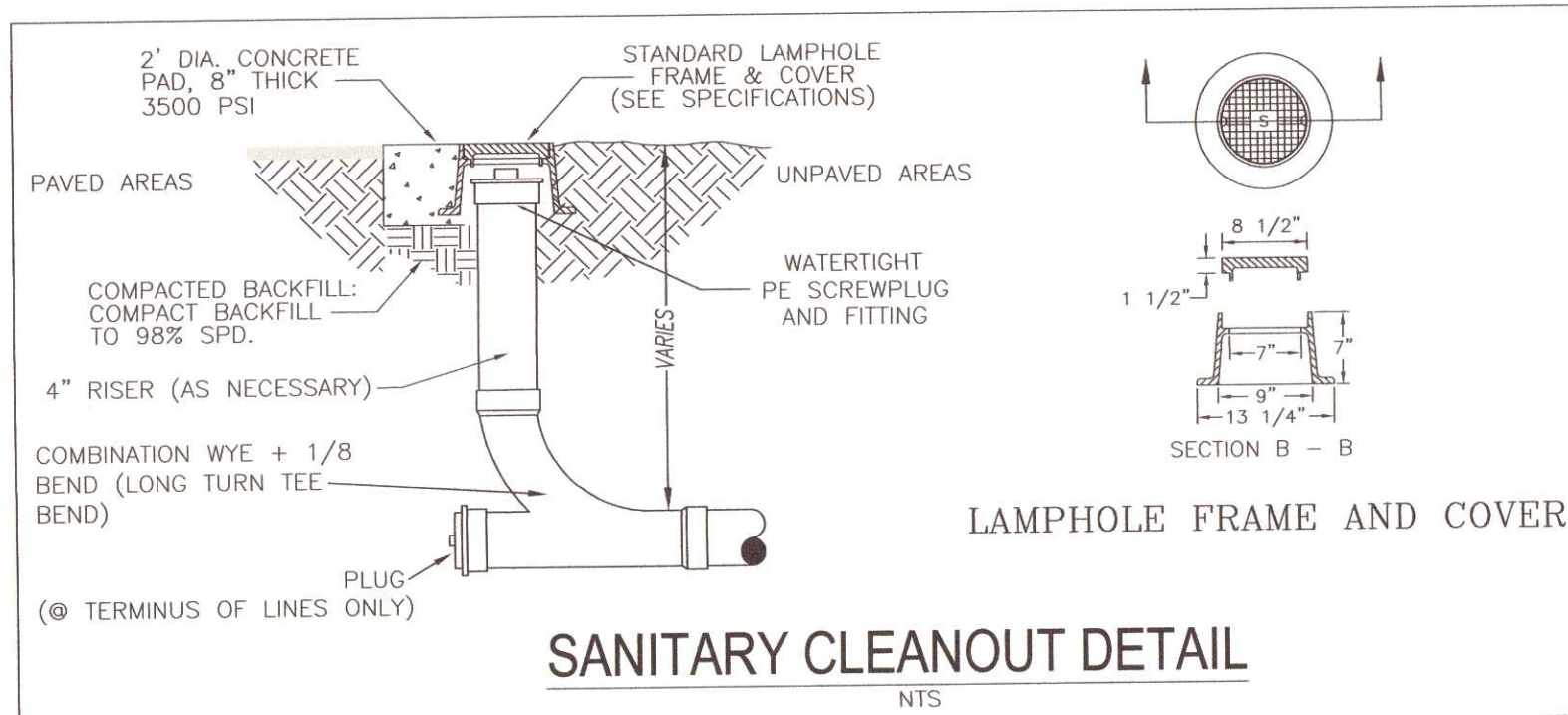
DRAWN BY: CJB  
DESIGNED BY: RLS  
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SHEET: C14



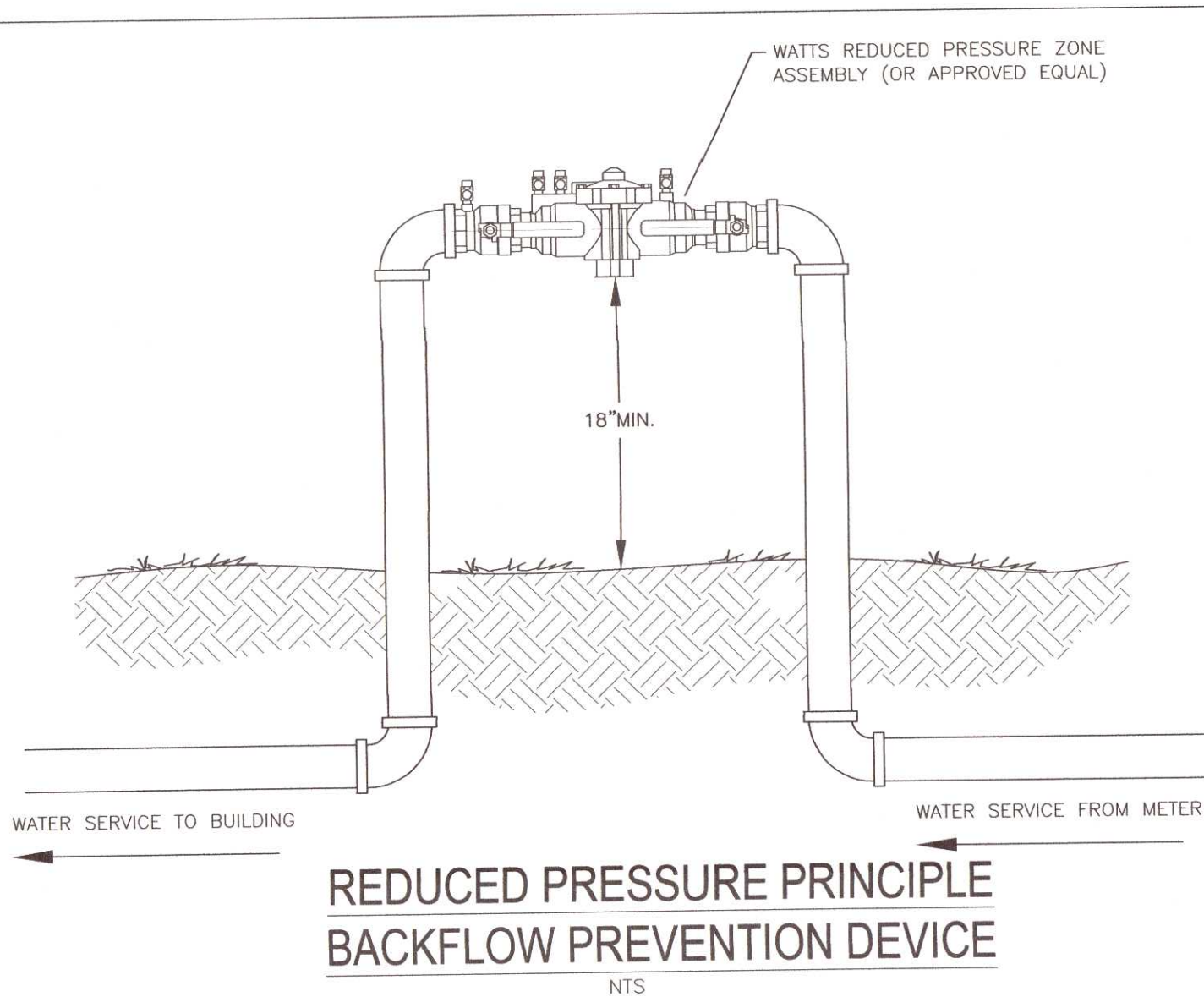


**TYPICAL VALVE & BOX INSTALLATION**  
NTS

- 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.



NOTE: ALL DETAILS ILLUSTRATED PERTAIN TO ONSITE WORK ONLY.  
ALL WORK WITHIN PUBLIC R/W SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITION OF THE ECUA ENGINEERING MANUAL. CONTRACTOR TO REFERENCE ECUA ENGINEERING MANUAL FOR CONSTRUCTION DETAILS AND PROCEDURES.



- 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.

OTHER PIPE	HORIZONTAL SEPARATION	CROSSINGS (1)	JOINT SPACING CROSSINGS (FULL JOINT CENTERED)
STORM SEWER, STORMWATER FORCE MAIN			
GRAVITY OR PRESSURE SANITARY SEWER, SANITARY SEWER FORCE MAIN			

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

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**SITE DEVELOPMENT PLANS FOR**  
**BGS MARINE**  
**UTILITY DETAILS**  
**ESCAMBIA COUNTY FLORIDA**

**DRAWN BY:** CUG  
**DESIGNED BY:** RLS  
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**PROJECT NO:** 21-D40  
**SHEET:** C15



