BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA
ESCAMBIA COUNTY PARKS AND RECREATION DEPARTMENT

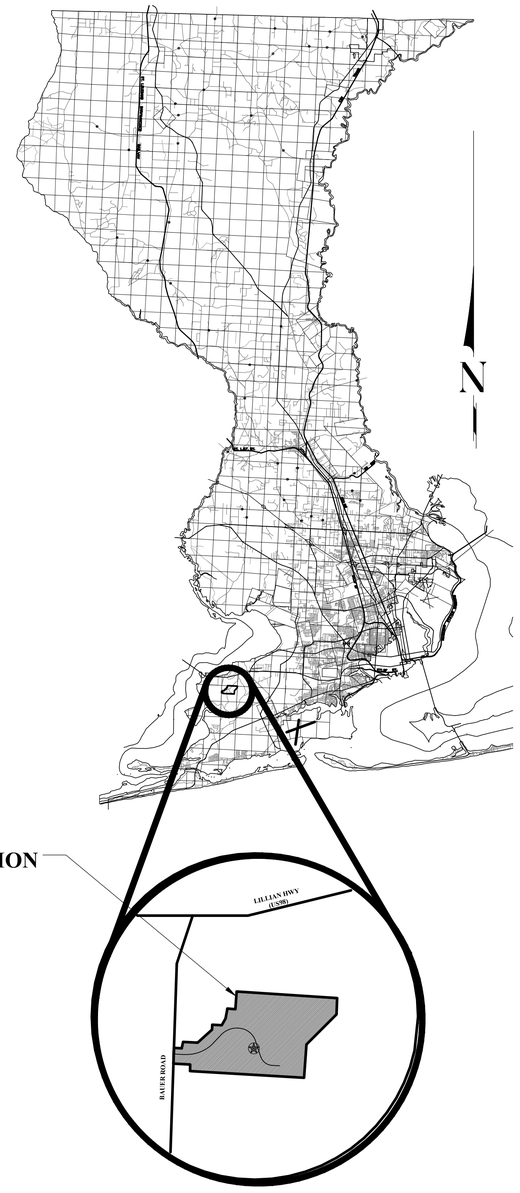
CONSTRUCTION PLANS FOR

SOUTHWEST ESCAMBIA COUNTY SPORTS COMPLEX RESTROOM FACILITIES

INDEX OF IMPROVEMENT PLANS

COMMISSIONERS

DISTRICT ONE	WILSON ROBERTSON (VICE CHAIRMAN)
DISTRICT TWO	DOUG UNDERHILL
DISTRICT THREE	LUMON MAY
DISTRICT FOUR	GROVER C. ROBINSON, IV (CHAIRMAN)
DISTRICT FIVE	STEVEN BARRY



VICINITY MAP

FOR BIDDING PURPOSES ONLY
JULY, 2016

F.E.I. PROJECT #160026

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

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

FABRE ENGINEERING INC.
ENGINEERS ◆ PLANNERS ◆ SURVEYORS
119 GREGORY SQUARE PENSACOLA, FLORIDA 32502 TEL:850 433 6438 FAX:850 434 7842

PROJECT MANAGER: GEORGE BUSH	
SECTION / TOWNSHIP / RANGE: 27 /T-2-S / R-31-W	DISTRICT: 1
PROJECT ENGINEER: FRANK J. FABRE, P.E.	REG FLA ENG NO: 15967
SIGNATURE:	DATE:

GENERAL NOTES:

1. THE CONTRACTORS SHALL NOTIFY THE COUNTY ENGINEER OR DESIGNEE 48 HOURS PRIOR TO CONSTRUCTION.

2. ALL CONDITIONS AND STIPULATIONS OF THE CONSTRUCTION PERMITS AND THE APPROVALS ISSUED BY THE ESCAMBIA COUNTY ENGINEER SHALL BE COMPLIED WITH IN EVERY DETAIL.

3. ALL ROADS DAMAGED BY CONSTRUCTION OPERATIONS ARE TO BE PATCHED OR RECONSTRUCTED AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.

4. THE CONTRACTOR SHALL TAKE STEPS NECESSARY TO PREVENT EROSION AND ANY OFF SITE SEDIMENT TRANSPORT RESULTING FROM INCREASED RUNOFF DURING CONSTRUCTION BY PROVIDING SILT FENCE AND/OR STAKED HAY BALES AS REQUIRED BY FDOT INDEX 102, THE FLORIDA STORMWATER, EROSION, AND SEDIMENT CONTROL INSPECTOR'S MANUAL, 2000 EDITION, OR AS INDICATED ON THE PLANS. ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL ASSOCIATED DISTURBED AREAS ARE STABILIZED AS TO REDUCE SEDIMENT RUNOFF, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR DESIGNEE.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL NECESSARY PERMITS.

6. THE CONTRACTOR IS CAUTIONED TO VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BIDDING AND/OR CONSTRUCTION.

7. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PRESERVE OR RELOCATE ALL BENCHMARKS (VERTICAL CONTROL) AS NEEDED DURING CONSTRUCTION. ALL PUBLIC OR PRIVATE CORNER MONUMENTATION SHALL BE PROTECTED. IF A PUBLIC OR PRIVATE CORNER MONUMENTATION IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR DESIGNEE IMMEDIATELY. ANY ESCAMBIA COUNTY HARN/GPS NETWORK MONUMENTS OR BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A HARN/GPS NETWORK MONUMENTS OR BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTS ARE DISTURBED OR DESTROYED THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF THE MONUMENTS AND HAVE THE MONUMENTS POSITION DETERMINED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER USING GUIDELINES AS ESTABLISHED BY NATIONAL GEODETIC SURVEY FOR BLUE BOOKING AND APPROVAL.

8. EXISTING DRAINAGE FEATURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.

9. THE CONTRACTOR SHALL MATCH EXISTING CONDITIONS AT THE BEGINNING AND END OF CONSTRUCTION AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.

11. ALL ROADWAY CONSTRUCTION SHALL COMPLY WITH THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS, LATEST EDITION.

12. ALL MATERIALS, TESTING AND CONSTRUCTION METHODS SHALL CONFORM TO THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS, LATEST EDITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIAL TESTING.

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

14. NO OPEN EXCAVATION SHALL REMAIN OVER NIGHT.

15. CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS.

16. IN THE EVENT THAT SURVEY MONUMENTATION OR REFERENCE POINTS ARE MISSING OR HAVE BEEN DESTROYED, PLEASE CONTACT:

    DANNY SWAIN, PSM
    ESCAMBIA COUNTY SURVEYOR
    3363 WEST PARK PLACE
    PENSACOLA, FLORIDA 32505
    PH: (850) 595-3427

17. VEGETATION SHALL BE RESTORED TO ORIGINAL CONDITION UNLESS OTHERWISE NOTED ON THE PLAN SHEETS. COST OF SAID RESTORATION SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS.

18. TREES WITHIN LIMITS OF CONSTRUCTION SHALL NOT BE REMOVED UNLESS SPECIFICALLY NOTED IN PLANS.

19. PLACE BACKFILL AND FILL MATERIALS IN LAYERS OR LIFTS NOT MORE THAN 12" IN LOOSE DEPTH FOR MATERIALS COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN 8" IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND OPERATED TAMPERS.

20. MAINTENANCE OF TRAFFIC AS PER FDOT INDEX 600.

21. ALL SPEED BUMPS THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE REPLACED TO THE LATEST ESCAMBIA COUNTY DESIGN SPECIFICATIONS. ALL COSTS FOR REPLACEMENT OF SAID SPEED BUMPS SHALL BE INCIDENTAL TO OTHER ITEMS AND NO ADDITIONAL COMPENSATION SHALL BE CONSIDERED.

22. THE CONTRACTOR SHALL, AT A MINIMUM, MATCH EXISTING SIGNING AND PAVEMENT MARKINGS. ALL SIGNING AND PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH THE LATEST FDOT DESIGN STANDARDS. THE CONTRACTOR SHALL CONTACT THE COUNTY TRAFFIC DEPARTMENT PRIOR TO INSTALLATION OF ANY SIGNING AND PAVEMENT MARKINGS.

23. WHERE UNSUITABLE MATERIAL, AS DEFINED BY THE COUNTY SPECIFICATIONS SECTION 02300, 1.3(I), IS ENCOUNTERED IN THE AREAS PROPOSED FOR PAVING, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE COUNTY ENGINEER OR DESIGNEE PRIOR TO ANY EXCAVATION.

ESCAMBIA COUNTY REQUIRED NOTES & SUBSTANTIAL COMPLETION:

1. THE PROJECT ENGINEER (ENGINEER OF RECORD) SHALL PROVIDE TO ESCAMBIA COUNTY "AS-BUILT" RECORD DRAWINGS FOR VERIFICATION AND APPROVAL BY ESCAMBIA COUNTY 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 THE "AS-BUILT" RECORD DRAWINGS MUST BE SIGNED, SEALED AND DATED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER.

2. NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM BOTH THE DESIGN ENGINEER AND THE ESCAMBIA COUNTY. ANY DEVIATIONS MAY RESULT IN DELAYS IN OBTAINING A CERTIFICATE OF OCCUPANCY.

3. THE CONTRACTOR SHALL INSTALL PRIOR TO THE START OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION ALL SEDIMENT CONTROL MEASURES AS REQUIRED TO RETAIN ALL SEDIMENTS ON SITE. IMPROPER SEDIMENT CONTROL MEASURES MAY RESULT IN CODE ENFORCEMENT VIOLATIONS.

4. CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS-BUILT" CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, TOPOGRAPHY OF POND(S), OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING, ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.

5. CONTRACTOR SHALL ARRANGE/SCHEDULE WITH THE ARCHITECT/ENGINEER A SUBSTANTIAL COMPLETION AND FINAL INSPECTION OF THE DEVELOPMENT UPON COMPLETION. RED LINE MARKUPS ARE REQUIRED PRIOR TO REQUEST FOR FINAL INSPECTION/APPROVAL.

6. NOTIFY SUNSHINE UTILITIES 48 HOURS IN ADVANCE PRIOR TO DIGGING WITHIN R/W; 1-800-432-4770.

7. ANY DAMAGE TO EXISTING ROADS DURING CONSTRUCTION WILL BE REPAIRED BY THE CONTRACTOR PRIOR TO FINAL "AS-BUILT" SIGN OFF FROM THE COUNTY.

UTILITY NOTES:

1. THE LOCATIONS SHOWN FOR EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND BASED OFF AN SUBSURFACE UTILITY EXPLORATION PERFORMED BY CONSTANTINE ENGINEERING. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK IN EACH AREA. THE CONTRACTOR AGREES TO BE COMPLETELY RESPONSIBLE FOR ALL DAMAGES WHICH MIGHT OCCUR BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES.

2. UTILITY OWNERS SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION SO THAT THE UTILITY OWNER CAN SPOT VERIFY AND/OR EXPOSE THEIR UTILITIES. KNOWN UTILITIES OWNERS INCLUDE:

    SEWER/WATER - EMERALD COAST UTILITY AUTHORITY
    MR. BRANDON KNIGHT, P.E.
    P.O. BOX 15311
    PENSACOLA, FL. 32514 PH: (850) 969-3310
    bnight@ecua.org

    ELECTRIC - GULF POWER
    MR. CHAD SWAILS
    5120 DOGWOOD DRIVE
    MILTON, FL. 32570 PH: (850) 429-2446
    ceswails@southernco.com

    NATURAL GAS - PENSACOLA ENERGY
    MS. DIANE MOORE
    1625 ATWOOD DRIVE
    PENSACOLA, FL. 32514 PH: (850) 479-5319
    dmoore@cityofpensacola.com

    CABLE - COX CABLE
    MR. TROY YOUNG
    2421 EXECUTIVE PLAZA
    PENSACOLA, FL. 32504 PH: (850) 857-4564
    troy.young@cox.net
    TELEPHONE - AT&T FLORIDA
    MR. STEVE KENNINGTON
    6689 MAGNOLIA STREET
    MILTON, FL. 32570 PH: (850) 623-3811
    sk1674@att.net

    SUNSHINE STATE ONE-CALL
    7200 LAKE ELLENOR DRIVE, SUITE 200
    ORLANDO, FL. 32809 PH: (800) 432-4770

    TRAFFIC DEPARTMENT - ESCAMBIA COUNTY PUBLIC WORKS
    MRS. JOHNNY COX/PETTICREW (SP)
    3363 WEST PARK PLACE
    PENSACOLA, FL. 32505 PH:(850) 595-3404

3. AT&T FLORIDA WILL COMPLETE ALL WORK DURING THE HOURS OF 7:30 AM - 4:30 PM, MONDAY THRU FRIDAY. NO NIGHT OR WEEKEND WORK.

4. ALL CABLE DAMAGE MUST BE REPORTED TO THE ATT FLORIDA REPAIR SERVICE DEPARTMENT AT 611 FROM A LAND LINE OR 877-737-2478 IF USING A CELL PHONE.

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

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

DEMOLITION AND CLEARING NOTES:

1. CONTRACTOR SHALL TAKE EXTREME CARE TO REMOVE ONLY TREES AND VEGETATION ABSOLUTELY NECESSARY FOR THE CONSTRUCTION OF THIS WORK AND AS DESIGNATED ON THESE PLANS.

2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CLEARLY DESIGNATE THE LIMITS OF CONSTRUCTION ON-SITE. THE CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE THE LIMITS OF CONSTRUCTION.

3. THE CONTRACTOR SHALL BE EXTREMELY CAUTIOUS WHEN WORKING NEAR TREES THAT ARE TO BE SAVED, WHETHER SHOWN IN THE PLANS OR DESIGNATED IN THE FIELD.

4. ANY PROPOSED CUT OR FILL MATERIAL TO BE REMOVED OR PLACED WITHIN THE DRIP LINE OF SPECIMEN TREES TO REMAIN, INCLUDING TRENCHING FOR PROPOSED IMPROVEMENTS SUCH AS UTILITIES, WILL REQUIRE THE ADVANCED PRE-TREATMENT OF EACH IMPACTED TREE BY A QUALIFIED ARBORIST OR AT THE DIRECTION OF THE LANDSCAPE ARCHITECT TO MINIMIZE THE POTENTIALLY ADVERSE IMPACTS OF CONSTRUCTION.

5. TREES SLATED FOR PROTECTION SHALL BE MARKED AND TREE PROTECTION BARRICADES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY LAND DISTURBING ACTIVITIES. NO PROTECTED TREES SHALL BE REMOVED, DESTRUCTIVELY DAMAGED, MUTILATED, RELOCATED, DISFIGURED, DESTROYED, CUT DOWN, OR EXCESSIVELY PRUNED DURING CONSTRUCTION ACTIVITIES.

6. ALL DEMOLISHED MATERIALS SHALL BE REMOVED FROM THE SITE AT THE CONTRACTOR'S EXPENSE. DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

7. ALL ASPHALT AND CONCRETE SHALL BE SAW CUT AT EDGES TO REMAIN. REMAINING EDGES SHALL BE PROTECTED AT THE CONTRACTOR'S EXPENSE.

HAZARDOUS MATERIALS NOTES:

1. HAZARDOUS MATERIAL MEANS ANY SUBSTANCE:
   A. WHICH THE PRESENCE OF REQUIRES INVESTIGATION OR REMEDIATION UNDER ANY PRESENT FEDERAL, STATE OR LOCAL STATUTE, REGULATION, ORDINANCE, RULE, CODE, ACTION, POLICY OR COMMON LAW.
   B. WHICH IS OR BECOMES DEFINED AS A "HAZARDOUS WASTE," "HAZARDOUS SUBSTANCE," POLLUTANT OR CONTAMINANT UNDER ANY PRESENT FEDERAL, STATE OR LOCAL STATUTE, REGULATION, RULE OR ORDINANCE OR AMENDMENTS THERETO INCLUDING, WITHOUT LIMITATION, THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (42 U.S.C. SECTIONS 960I ET SEQ.) AND/OR THE RESOURCE CONSERVATION AND RECOVERY ACT (42 U.S.C. SECTIONS 690I ET SEQ.)
   C. WHICH IS TOXIC, EXPLOSIVE, CORROSIVE, FLAMMABLE, INFECTIOUS, RADIOACTIVE, CARCINOGENIC, MUTAGENIC, OR OTHERWISE HAZARDOUS AND IS REGULATED BY ANY GOVERNMENTAL AUTHORITY, AGENCY, DEPARTMENT, COMMISSION, BOARD, AGENCY OR INSTRUMENTALITY OF THE UNITED STATES, THE STATE IN WHICH THE PREMISES ARE LOCATED OR ANY POLITICAL SUBDIVISION THEREOF.
   D. WHICH THE PRESENCE OF ON THE PREMISES CAUSES OR THREATENS TO CAUSE A NUISANCE UPON THE PREMISES OR TO ADJACENT PROPERTIES OR POSES OR THREATENS TO POSE A HAZARD TO THE HEALTH OR SAFETY OF PERSONS ON OR ABOUT THE PREMISES.
   E. WHICH CONTAINS GASOLINE, DIESEL FUEL, OR OTHER PETROLEUM HYDROCARBONS,
   F. WHICH CONTAINS POLYCHLORINATED BIPHENYL (PCBS), ASBESTOS, LEAD OR UREA FORMALDEHYDE FOAM INSULATION.

2. CONTRACTOR AND ITS SUBCONTRACTORS SHALL USE, HANDLE, TRANSPORT, AND DISPOSE OF ALL HAZARDOUS MATERIALS (AS DEFINED HEREIN) IN COMPLIANCE WITH ALL PRESENT LOCAL, STATE AND FEDERAL ENVIRONMENTAL, HEALTH OR SAFETY LAWS, INCLUDING, BUT NOT LIMITED TO, ALL SUCH STATUTES, REGULATIONS, RULES, ORDINANCES, CODES, AND RULES OF COMMON LAW.

3. CONTRACTOR FURTHER AGREES THAT CONTRACTOR AND ITS SUBCONTRACTORS SHALL NOT CAUSE THE DISCHARGE, RELEASE OR DISPOSAL OF ANY HAZARDOUS MATERIAL CREATED BY ITS WORK ON OR ABOUT THE JOB SITE. IN THE EVENT OF ANY SPILL, RELEASE OR ANY OTHER REPORTABLE OCCURRENCE, CONTRACTOR SHALL NOTIFY THE APPROPRIATE GOVERNMENTAL AGENCY AND SHALL TAKE SUCH ACTION AS MAY BE NECESSARY TO MINIMIZE THE DELETERIOUS EFFECT OF SUCH SPILL ON PERSONS OR PROPERTY.

RECORD DRAWING NOTES:

1. THE CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE SUFFICIENT AS-BUILT INFORMATION TO CONVEY THAT THE CONSTRUCTION HAS BEEN COMPLETED WITHIN ACCEPTABLE TOLERANCES TO THE APPROVED DESIGN AND SHALL INCLUDE BUT IS NOT LIMITED TO THE FOLLOWING:

WATER SYSTEM & FORCE MAINS :

A. ACTUAL LENGTH OF PIPE BETWEEN BRANCHES AND VALVES IN THE RUN.
B. LOCATE WITH MEASUREMENTS FROM PERMANENT VISIBLE OBJECTS ALL FITTINGS/ACCESSORIES NOT VISIBLE FROM THE SURFACE (MINIMUM 3 POINTS TIES).
C. LIST THE DEPTHS OF THE LINES AT ALL VALVES, FITTINGS AND FIRE HYDRANTS.
D. DIMENSION ALL SURFACE FEATURES AND UNDERGROUND FITTINGS TO THREE VISIBLE FEATURES.

OTHER IMPROVEMENTS:

A. BUILDING(S), SIDEWALKS, PAVEMENT, CURB & GUTTER. SUBMIT CERTIFIED DRAWINGS TO THE ENGINEER TWO WEEKS PRIOR TO FINAL INSPECTION OF THE WORK TO BE CERTIFIED.
B. THE CONTRACTOR SHALL KEEP A DAILY "AS-BUILT" SET OF DRAWINGS WHILE THE WORK BEING DONE IS VISIBLE EXPOSED ACCORDING TO THE CRITERIA OUTLINED HEREIN.
C. THE ENGINEER RESERVES THE RIGHT TO REQUIRE THE CONTRACTOR TO UNCOVER, RETEST AND/OR PERFORM ANY ACTION NECESSARY TO ENSURE THAT THE IMPROVEMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

PROJECT SAFETY NOTES:

1. SAFETY:
   A. DURING THE CONSTRUCTION AND/OR MAINTENANCE OF THIS PROJECT, ALL SAFETY REGULATIONS ARE TO BE ENFORCED. THE CONTRACTOR OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR THE CONTROL AND SAFETY OF THE TRAVELING PUBLIC AND THE SAFETY OF HIS/HER PERSONNEL.
   B. LABOR SAFETY REGULATIONS SHALL CONFORM TO THE PROVISIONS SET FORTH BY OSHA.
   C. THE MINIMUM STANDARDS AS SET FORTH IN THE CURRENT EDITION OF "THE SATE OF FLORIDA, MANUAL ON TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS" SHALL BE FOLLOWED IN THE DESIGN, APPLICATION, INSTALLATION, MAINTENANCE AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES, WARNING DEVICES AND BARRIERS NECESSARY TO PROTECT THE PUBLIC AND CONSTRUCTION PERSONNEL FROM HAZARDS WITHIN THE PROJECT LIMITS.
   D. ALL TRAFFIC CONTROL MARKINGS AND DEVICES SHALL CONFORM TO THE PROVISIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES PREPARED BY THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION.
   E. ALL SUBSURFACE CONSTRUCTION SHALL COMPLY WITH THE "TRENCH SAFETY ACT". THE CONTRACTOR SHALL ENSURE THAT THE METHOD OF TRENCH PROTECTION AND CONSTRUCTION IS IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS.
   F. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY AND ENFORCE ALL APPLICABLE SAFETY REGULATIONS. THE ABOVE INFORMATION HAS BEEN PROVIDED FOR THE CONTRACTOR'S INFORMATION ONLY AND DOES NOT IMPLY THAT THE OWNER OR ENGINEER WILL INSPECT AND/OR ENFORCE SAFETY REGULATIONS.

2. THE CONTRACTOR SHALL BE SOLELY LIABLE FOR THE SAFETY OF THE WORK AND ANY AND ALL DAMAGES ARISING FROM THE CONSTRUCTION SHOWN ON THE CONSTRUCTION PLANS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ASSURING THAT THE CONSTRUCTION MATERIALS AND METHODS ARE COMPLIANT WITH ALL APPLICABLE LOCAL, STATE OR FEDERAL SAFETY CODES, RULES OR REQUIREMENTS.

3. THE CONTRACTOR SHALL COMPLY IN EVERY RESPECT WITH THE FEDERAL OCCUPATIONAL HEALTH AND SAFETY ACT OF 1970 AND ALL RULES AND REGULATIONS NOW OR HEREAFTER IN EFFECT UNDER SAID ACT, AND THE CONTRACTOR FURTHER AGREES TO COMPLY WITH ANY AND ALL APPLICABLE STATE LAWS AND REGULATION PERTAINING TO JOB SAFETY AND HEALTH.

Southwest Escambia County Sports Complex Restroom Facilities

Bid Schedule

Contractor ______________________________

No.	Item Description	Unit	Quantity	Unit Cost	Cost
1	Restroom Facility	LS	1		
2	Lift Station	LS	1		
3	Force Main	LS	1		
				TOTAL COST:	

SOUTHWEST SPORTS COMPLEX
RESTROOM FACILITIES

GENERAL NOTES

ESCAMBIA COUNTY FLORIDA

FABRE ENGINEERING INC.
ENGINEERS ◆ PLANNERS ◆ SURVEYORS
119 GREGORY SQUARE PENSACOLA, FLORIDA 32502 TEL:850 433 6438 FAX:850 434 7842

DRAWN BY: JAMES STONE	DESIGNED BY: FRANK J. FABRE, P.E.	CHECKED BY: FRANK J. FABRE, P.E.	REG. FLA. ENG. NO. 15967
DATE: 05-12-2016	PROJECT MANAGER: GEORGE BUSH	DISTRICT: 1	DATE:
FIELD BOOK / PAGES: --------		SECTION/TOWNSHIP/RANGE SEC. 27, T-2-S, R-31-W	SIGNATURE:

NUMBER	REVISIONS	DATE	APPROVED BY

DRAWING NUMBER **G-101**
PROJECT NUMBER 160026
SURVEY NUMBER 160026
SHEET 01 OF 12

EROSION AND SEDIMENT CONTROL NOTES:

1. AN NPDES STORMWATER POLLUTION PREVENTION PLAN AND ASSOCIATED NOI (NOTICE OF INTENT) MAY BE REQUIRED FOR THIS PROJECT. THE CONTRACTOR SHALL PROVIDE A NOTICE OF INTENT IN ACCORDANCE WITH CRITERIA SET FORTH IN THE NPDES PERMIT REQUIREMENTS 48 HOURS PRIOR TO BEGINNING CONSTRUCTION, CLEARING, OR DEMOLITION.

2. THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) ACCORDING TO EPA/FDEP NPDES CRITERIA TO MINIMIZE EROSION AND INSURE PROPER FUNCTIONING OF STORM WATER MANAGEMENT SYSTEM UPON COMPLETION OF CONSTRUCTION. IN ADDITION TO MEETING EPA/FDEP NPDES CRITERIA, THE SWPPP SHALL BE SUBMITTED TO AND COMPLY WITH LOCAL OR STATE AGENCY HAVING JURISDICTION'S MINIMUM EROSION CONTROL CRITERIA. SEE INDIVIDUAL PROJECT SHEETS FOR MINIMUM EROSION CONTROL REQUIRED.

3. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS AND ALL REGULATIONS CONTROLLING POLLUTION OF THE ENVIRONMENT.

4. CONTRACTOR SHALL EXECUTE ALL MEASURES NECESSARY TO LIMIT THE TRANSPORTATION OF SEDIMENTS OUTSIDE THE LIMITS OF THE PROJECT, STOCKPILE, CONCRETE WASH DOWN AND LAY DOWN STAGING AREAS TO THE VOLUME AND AMOUNT AS THOSE THAT EXIST PRIOR TO COMMENCEMENT OF CONSTRUCTION. THIS CONDITION MUST BE SATISFIED UNTIL PROJECT IS FULLY COMPLETED AND ACCEPTED. CONTRACTOR SHALL PROVIDE ROUTINE MAINTENANCE ON TEMPORARY EROSION CONTROL FEATURES AT HIS EXPENSE. PROVISION MUST BE MADE TO PRESERVE THE INTEGRITY AND CAPACITY OF CHECK WEIRS, SEDIMENT BASINS, SLOPE DRAINS, GRADING PATTERNS, ETC. REQUIRED TO MEET THIS PROVISION THROUGH OUT THE LIFE OF CONSTRUCTION. CONTRACTOR SHALL PROVIDE HAY BALES, SILT BARRIERS, MURAFI FILTERS, TEMPORARY GRASSING, ETC., AS REQUIRED TO FULLY COMPLY WITH THE INTENT OF THIS SPECIFICATION. CONTRACTOR SHALL PROVIDE CONTINUOUS MONITORING OF EROSION AND SEDIMENT CONTROLS TAKEN AND SHALL DOCUMENT ALL CORRECTIVE MEASURES. A COPY OF THE APPROVED SWPPP SHALL BE KEPT ON SITE AT ALL TIMES FOR REVIEW BY OWNER'S REPRESENTATIVES AND BY NPDES INSPECTORS. PAY ITEM TO IMPLEMENT THE EROSION CONTROL PLAN SHALL BE IMPLIED IN THE EROSION CONTROL PLAN.

5. PROVIDE EFFECTIVE TEMPORARY AND PERMANENT EROSION CONTROL FOLLOWING THE REQUIREMENTS IN SECTION 104 OF THE STATE DEPARTMENT OF TRANSPORTATION STANDARDS SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. (F.D.O.T. SECTION 104).

6. INLETS AND CATCH BASINS SHALL BE PROTECTED FROM SEDIMENTATION RESULTING FROM SURFACE RUNOFF UNTIL COMPLETION OF ALL CONSTRUCTION OPERATION THAT MAY CAUSE SEDIMENT RUNOFF. FILTER FABRIC SHALL BE PLACED AND MAINTAINED UNDER THE GRATE AND FILTER SOCKS PLACED IN FRONT OF THE THROAT OF CURB INLETS, DURING CONSTRUCTION.

7. TURBIDITY BARRIERS MUST BE INSTALLED AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SEDIMENTS AND SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTING DUE TO CONSTRUCTION. TURBIDITY BARRIERS SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED, SOILS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED.

8. THE EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THESE CONTROLS UNTIL VEGETATION IS CAPABLE OF PROVIDING EROSION & SILTATION CONTROL.

9. ALL DISTURBED AREAS ARE TO BE SEEDED, FERTILIZED, MULCHED, HYDROSEEDED, OR SODDED AS NECESSARY, UNLESS NOTED OTHERWISE. SOD PINS SHALL BE USED WHERE SLOPES ARE STEEPER THAN 3:1.

10. GRASSING SHALL BE INSTALLED AND MAINTAINED ON ALL EXPOSED SLOPES AND DISTURBED AREAS WITHIN 48 HOURS OF COMPLETING FINAL GRADE, AND AT ANY OTHER TIME AS NECESSARY, TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES INTO THE WATER OF THE STATE OR ADJACENT WETLANDS. A VEGETATIVE COVER THAT STABILIZES AND PREVENTS EROSION OF THE FILL MATERIAL SHALL BE ESTABLISHED WITHIN 60 DAYS OF SODDING. UPON ESTABLISHMENT OF A SUBSTANTIAL VEGETATIVE COVER, ALL TURBIDITY BARRIERS AND EROSION CONTROL DEVICES SHALL BE REMOVED.

11. ALL EROSION & SEDIMENT CONTROLS SHALL BE CONSISTENT WITH PERFORMANCE STANDARDS FOR EROSION AND SEDIMENT CONTROL AND STORMWATER TREATMENT SET FORTH IN SECTION 62-40.432, FLORIDA ADMINISTRATIVE CODE, THE APPLICABLE STORMWATER OR ENVIRONMENTAL RESOURCE PERMITTING REQUIREMENTS OF FDEP OR A WATER MANAGEMENT DISTRICT, AND THE GUIDELINES CONTAINED IN THE FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT (DEP) 1988 AND ANY SUBSEQUENT AMENDMENTS.

12. TEMPORARY SEDIMENT CONTROL MEASURES INCLUDE, BUT ARE NOT LIMITED TO: SILT FENCING, HAY BALE BARRIERS, CONSTRUCTION OF TEMPORARY SEDIMENT CHECK DAMS, AND TEMPORARY SEEDING. PERMANENT SEDIMENT CONTROL MEASURES INCLUDE BUT ARE NOT LIMITED TO SODDING, RIP-RAP STABILIZATION, THE STORMWATER CONVEYANCE SYSTEM, AND PERMANENT SODDING AND SEEDING. STABILIZATION PRACTICES ARE DETAILED ON THE CONSTRUCTION PLANS, BUT SHALL INCLUDE ANY MEASURES NECESSARY TO PREVENT SEDIMENT FROM ESCAPING THE SITE AND TO COMPLY WITH ALL APPLICABLE FDEP STANDARDS.

13. WHEN NECESSARY EARTHEN BERMS WILL BE PROVIDED TO PREVENT STORMWATER RUNOFF FROM DISCHARGING WITHOUT BEING ROUTED TO THE DRAINAGE SWALES AND THROUGH THE STORMWATER SYSTEM.

14. CONSTRUCTION OPERATIONS SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION AND TEMPORARY STABILIZATION MEASURES ARE IN PLACE IMMEDIATELY FOLLOWING BACKFILLING AND/OR GRADING OPERATIONS.

15. SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.

16. CLEANUP WILL BE DONE IN A MANNER TO INSURE THAT EROSION CONTROL MEASURES ARE NOT DISTURBED.

17. THE PROJECT WILL CONTINUALLY BE INSPECTED FOR SOIL EROSION AND SEDIMENT CONTROL COMPLIANCE. DEFICIENCIES WILL BE CORRECTED BY THE CONTRACTOR WITHIN 24 HOURS.

18. TEMPORARY EROSION CONTROL MEASURES SHALL BE COMPLETELY REMOVED BY THE CONTRACTOR UPON ESTABLISHMENT OF PERMANENT CONTROL MEASURES OR WHEN DIRECTED BY THE OWNER.

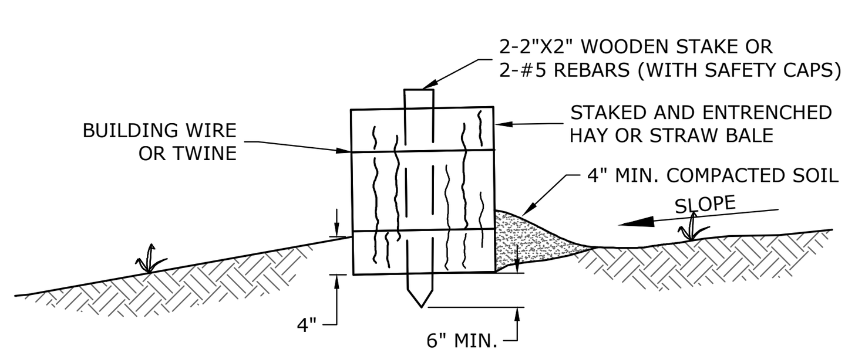
19. THE CONTRACTOR SHALL RESTORE ALL DISTURBED RIGHTS-OF-WAY IN ACCORDANCE WITH THE LATEST EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.

20. THE CONTRACTOR SHALL COMPLETE SITE RESTORATION AS THE PROJECT PROGRESSES.

21. THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO CONTROL TURBIDITY IN SURROUNDING WATERS INCLUDING, BUT NOT LIMITED TO, THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS AND THE RECEIVING WATER BODY EXISTS DUE TO PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVING THE BARRIERS; AT NO TIME SHALL THERE BE ANY OFF SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS OF THE FLORIDA ADMINISTRATIVE CODE.

22. THE CONTRACTOR SHALL TAKE STEPS NECESSARY TO PREVENT EROSION AND ANY OFF SITE SEDIMENT TRANSPORT RESULTING FROM INCREASED RUNOFF DURING CONSTRUCTION BY PROVIDING SILT FENCE AND/OR STAKED HAY BALES AS REQUIRED BY F.D.O.T. INDEX 102. THE FLORIDA STORMWATER, EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL, 2000 EDITION, OR AS INDICATED ON THE PLANS. ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL ASSOCIATED DISTURBED AREAS ARE STABILIZED AS TO REDUCE SEDIMENT RUNOFF, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR DESIGNEE.

23. CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL ON THE PROJECT SITE AS APPLICABLE. CONTRACTOR SHALL UTILIZE WATER OR OTHER RECOGNIZED AND APPROVED BMP'S TO CONTROL DUST.

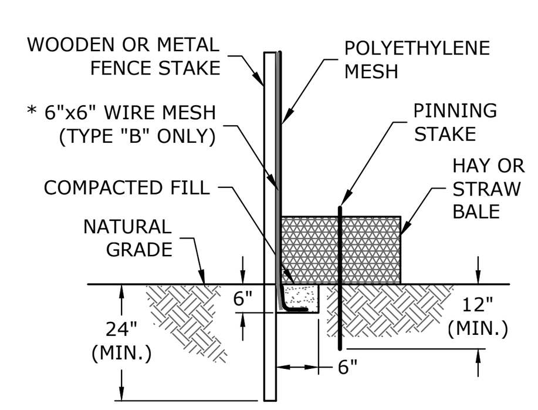


STRAW BALE BARRIER CONSTRUCTION

1. BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE, WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER.
2. ALL BALES SHALL BE SECURELY ANCHORED BY AT LEAST TWO STAKES OR REBARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE TO FORCE THE BALES TOGETHER.
3. CONTRACTOR SHALL WEDGE OR CHINK LOOSE STRAW BETWEEN BALES.
4. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE AS PROMPTLY AS NEEDED.
5. STRAW BALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES.
6. STRAW BALE BARRIERS SHALL BE REMOVED AFTER THEY HAVE SERVED THEIR USEFULNESS, BUT NOT BEFORE THE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED.

HAY OR STRAW BALE DETAIL

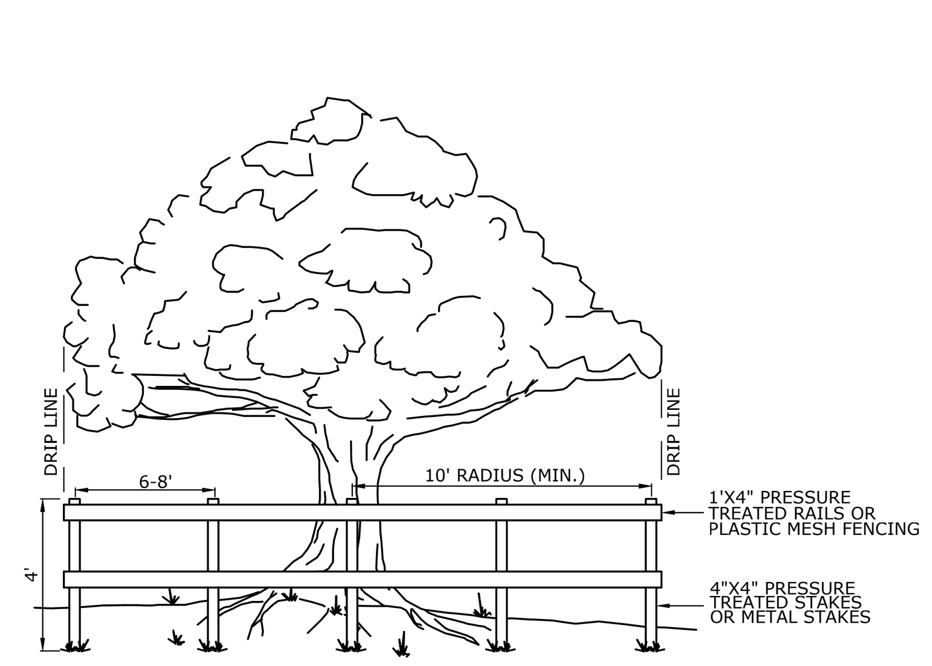
NOT TO SCALE



* ALL SILT FENCING THAT PROTECTS JURISDICTIONAL WETLANDS MUST BE TYPE "B" SILT FENCING. ALL OTHER AREAS MUST USE POLYETHYLENE MESH SILT FENCING.

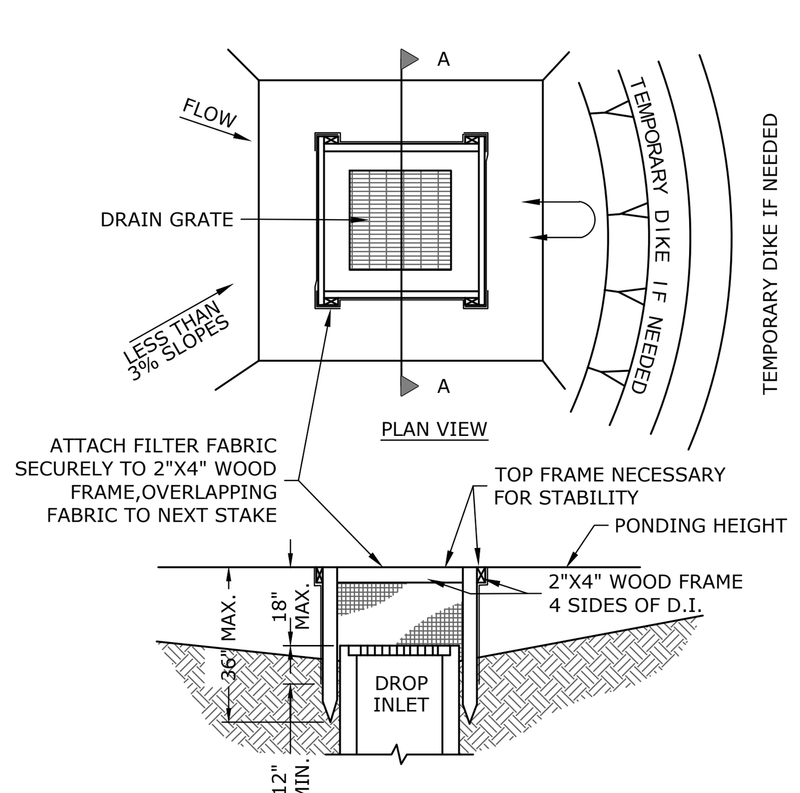
SILT FENCE DETAIL

NOT TO SCALE



TREE BARRICADE DETAIL

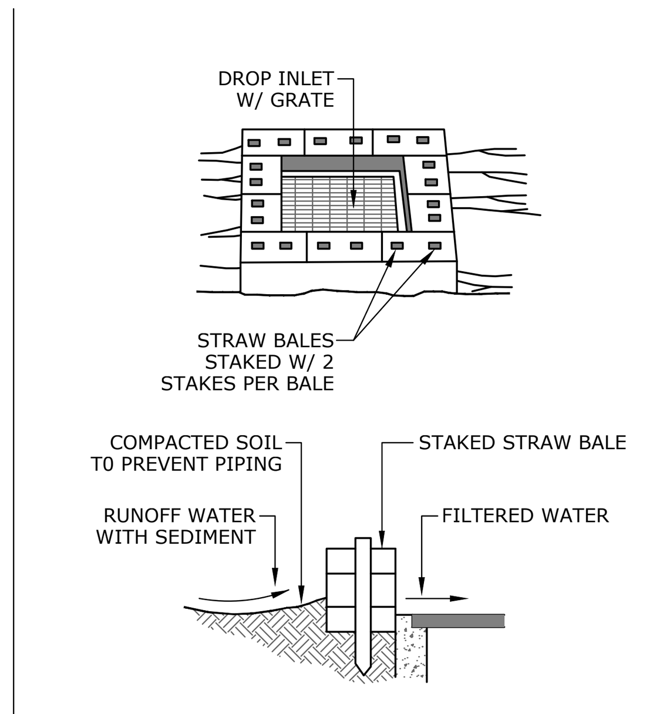
NOT TO SCALE



NOTES:

1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5.0%)
2. USE 2"x4" WOOD OR EQUIVALENT METAL STAKES (3 FT. MIN. LENGTH).
3. INSTALL 2"x4" WOOD TOP FRAME TO INSURE STABILITY. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY-PASSING THE INLET. THE TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.

SILT FENCE BARRIER



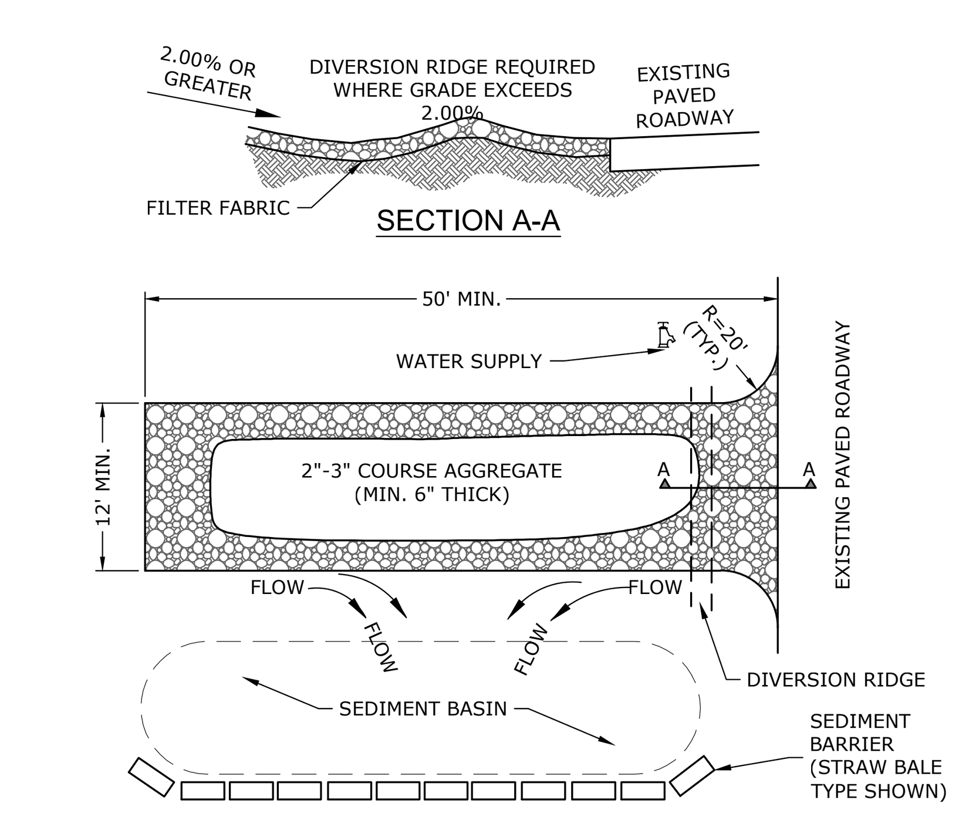
NOTES:

1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5.0%)
2. EMBED THE BALES 4" INTO THE SOIL AND OFFSET CORNERS OR PLACE BALES WITH ENDS ABUTTING. GRAVEL BACKFILL WILL PREVENT EROSION OR FLOW AROUND THE BALES.
3. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY-PASSING THE INLET. THE TEMPORARY DIKE MAY BE NECESSARY.

STRAW BALE BARRIER

DROP INLET SEDIMENT BARRIERS

NOT TO SCALE

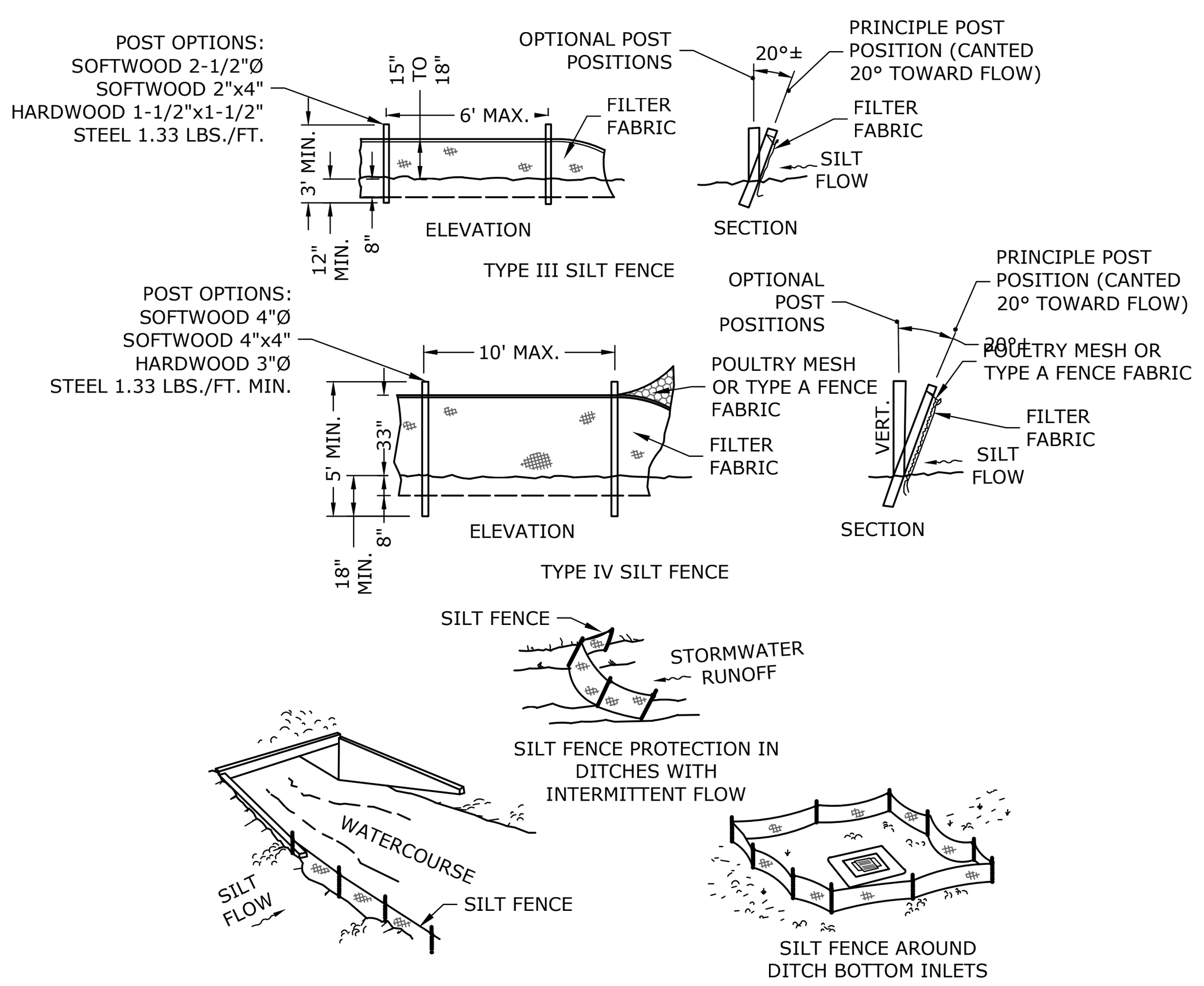


NOTES:

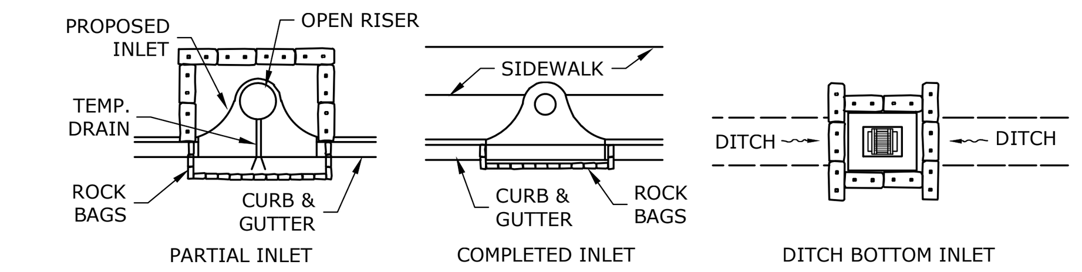
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
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.
4. USE SANDBAGS, STRAW BALES OR OTHER APPROVED METHODS TO CHANNEL RUNOFF TO BASIN AS REQUIRED.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE DETAIL

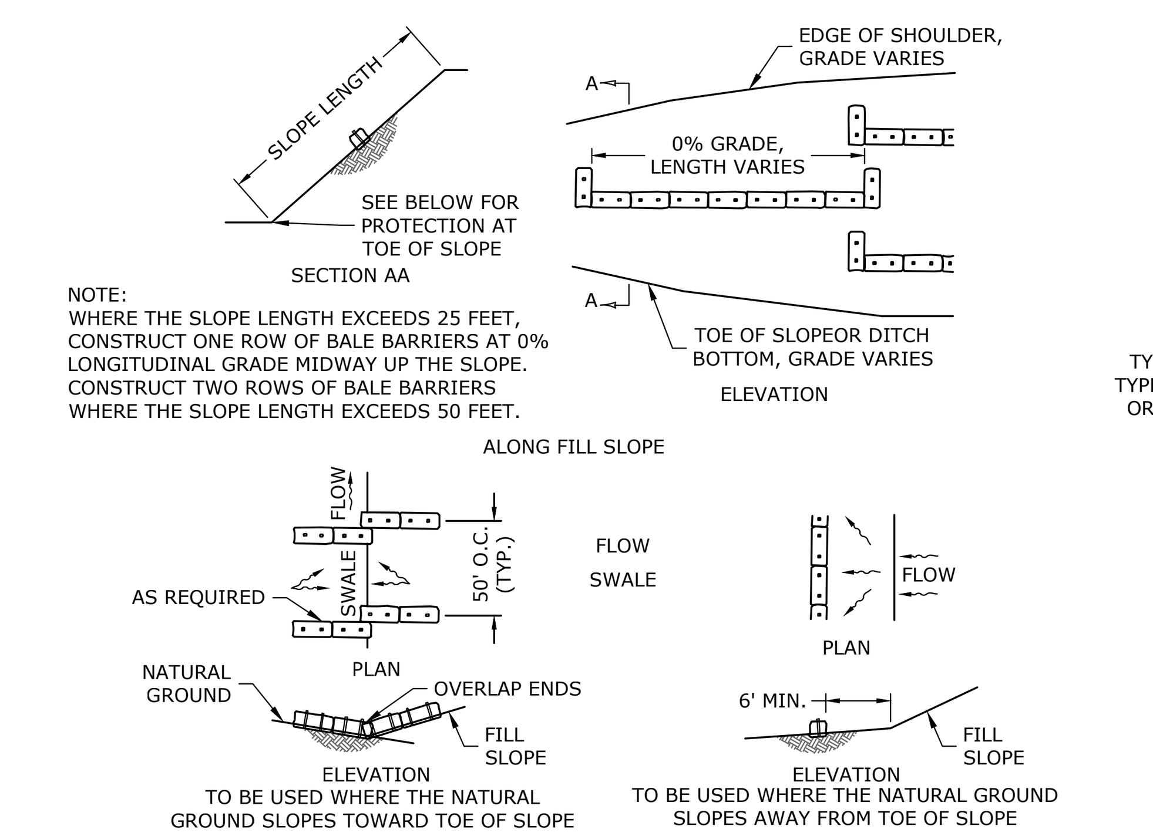
NOT TO SCALE



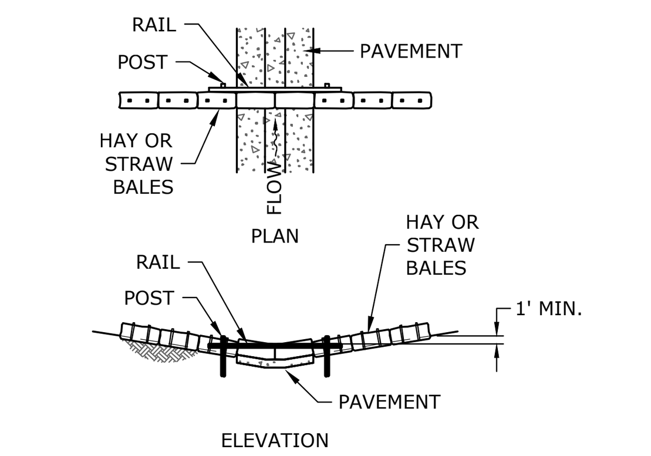
SILT FENCE APPLICATIONS
BARRIERS FOR FILL SLOPE



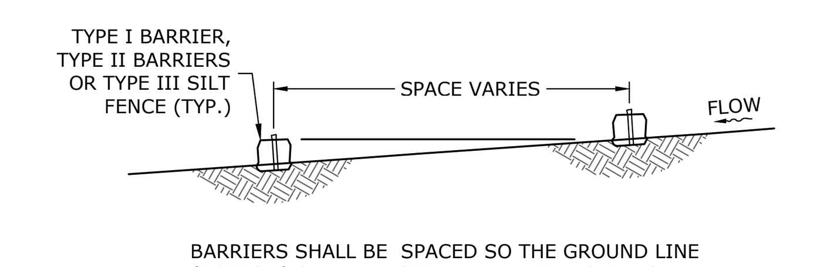
PROTECTION AROUND INLETS OR SIMILAR STRUCTURES



BARRIERS FOR FILL SLOPES



BARRIER FOR PAVED DITCH

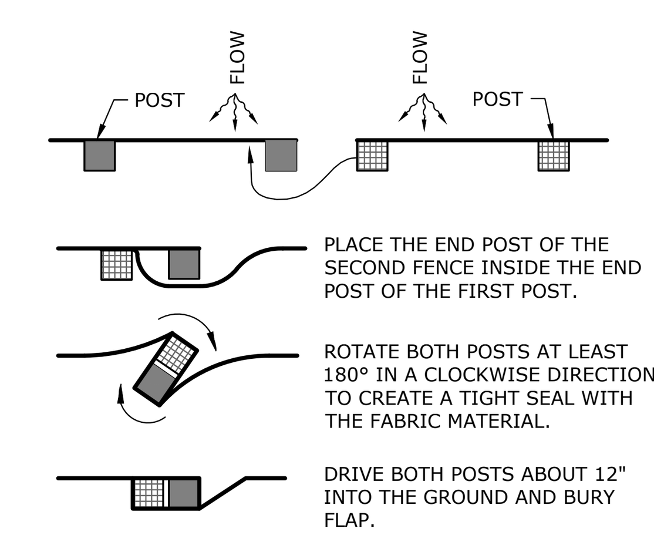


BARRIERS SHALL BE SPACED SO THE GROUND LINE (BOTTOM) OF THE UPSTREAM BARRIER IS THE SAME ELEVATION AS THE DOWNSTREAM OVERFLOW (TOP) ELEVATION

DITCH SPACING DETAIL

NOTES FOR SILT FENCES:

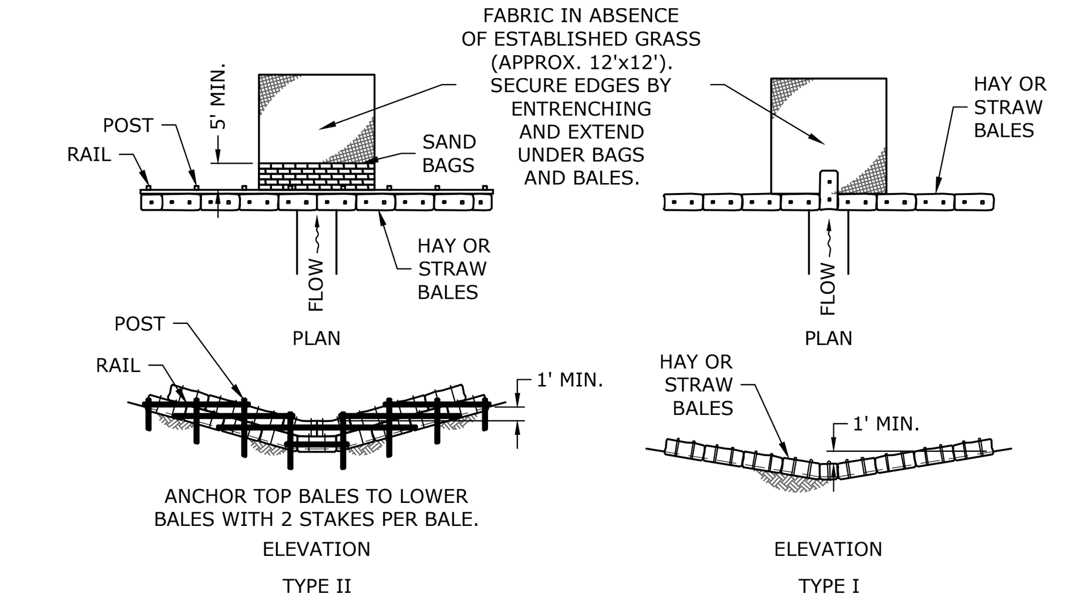
1. TYPE III SILT FENCE TO BE USED AT MOST LOCATIONS. WHERE USED IN DITCHES THE SPACING FOR TYPE III SILT FENCE SHALL BE IN ACCORDANCE WITH DITCH SPACING DETAIL.
2. TYPE IV SILT FENCE TO BE USED WHERE LARGE SEDIMENT LOADS ARE ANTICIPATED. SUGGESTED USE IS WHERE FILL SLOPE IS 1:2 OR STEEPER AND LENGTH OF SLOPE EXCEEDS 25 FEET. AVOID USE WHERE THE DETAINED WATER MAY BACK INTO TRAVEL LANES OR OFF THE RIGHT OF WAY.
3. DO NOT CONSTRUCT SILT FENCES ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED IN PERMANENT BODIES OF WATER.
4. WHERE USED IN SLOPE PROTECTION, SILT FENCE IS TO BE CONSTRUCTED ON 0% LONGITUDINAL GRADE TO AVOID CHANNELIZING RUNOFF ALONG THE LENGTH OF FENCE.
5. POULTRY MESH SHALL BEE 20 GA. MINIMUM. FILTER FABRIC SHALL BE IN CONFORMANCE WITH SECTION 985 AND TYPE A FENCE FABRIC SHALL BE IN CONFORMANCE WITH INDEX 451 & SECTION 966 OF THE FDOT SPECIFICATIONS.



JOINING TWO SILT FENCES

NOTES FOR BALED HAY OR STRAW BARRIERS:

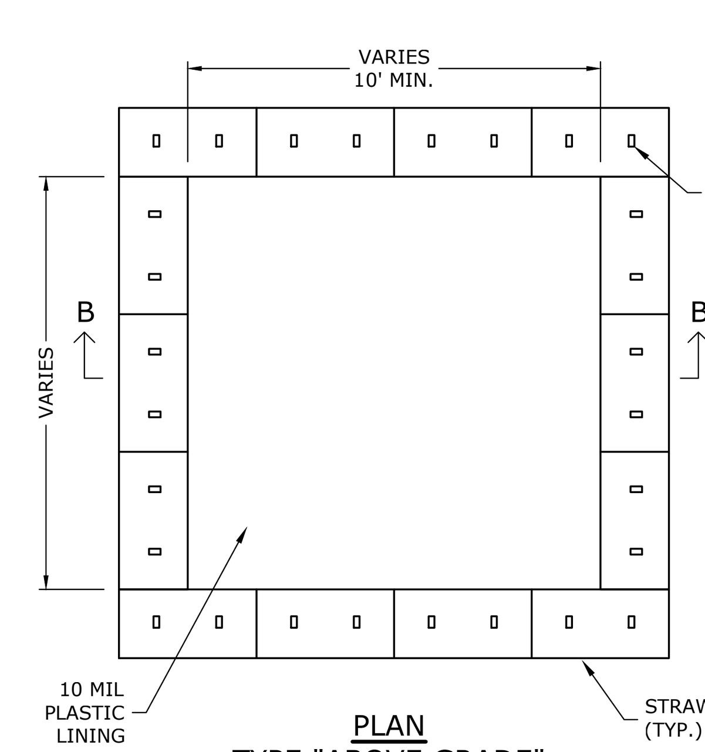
1. TYPE I AND II BARRIERS SHOULD BE SPACED IN ACCORDANCE WITH DITCH SPACING DETAIL.
2. HAY BALES SHALL BE TRENCHED 3" TO 4" AND ANCHORED WITH 2 - 1"x2" (OR 1"Ø) x 4' WOOD STAKES. STAKES OF OTHER MATERIAL OR SHAPE PROVIDING EQUIVALENT STRENGTH MAY BE USED IF APPROVED BY THE ENGINEER. STAKES SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT.
3. RAILS AND POST SHALL BE 2"x4" WOOD. OTHER MATERIALS PROVIDING EQUIVALENT STRENGTH MAY BE USED IF APPROVED BY ENGINEER.
4. ADJACENT BALES SHALL BE BUTTED FIRMLY TOGETHER. UNAVOIDABLE GAPS SHALL BE PLUGGED WITH HAY OR STRAW TO PREVENT SILT FROM PASSING.
5. WHERE USED IN CONJUNCTION WITH SILT FENCE, HAYBALES SHALL BE PLANTED ON THE UPSTREAM SIDE OF THE FENCE
6. BALES TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR BALED HAY OR STRAW, EA. THE UNIT PRICE SHALL INCLUDE THE COST OF FILTER FABRIC FOR THE TYPE I AND II BARRIERS. SAND BAGS SHALL BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR ROCK BAGS, EA.



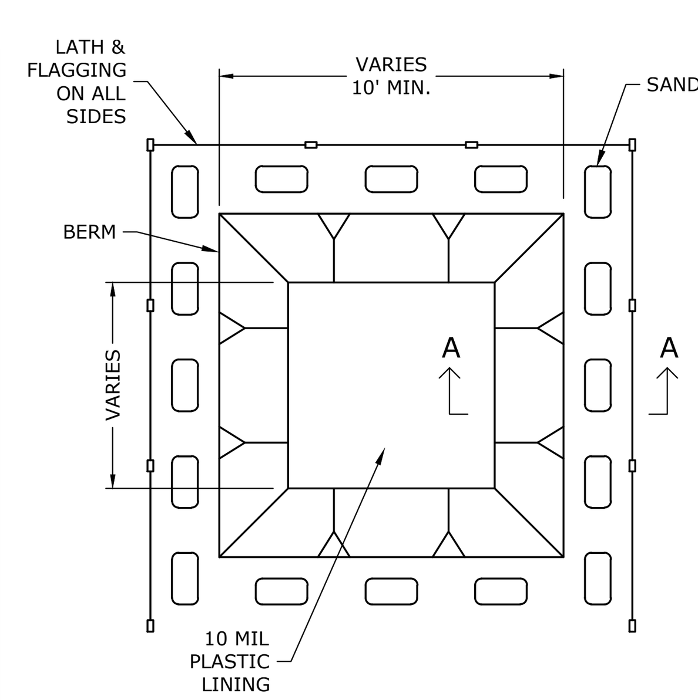
BARRIERS FOR UNPAVED DITCHES

FDOT EROSION CONTROL MEASURES

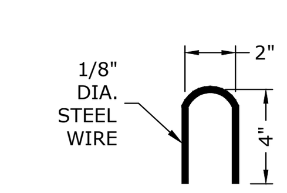
NOT TO SCALE



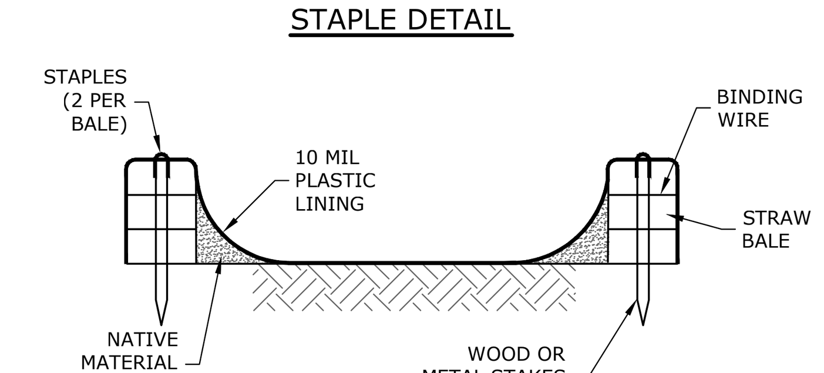
PLAN
TYPE "ABOVE GRADE" WITH STRAW BALES



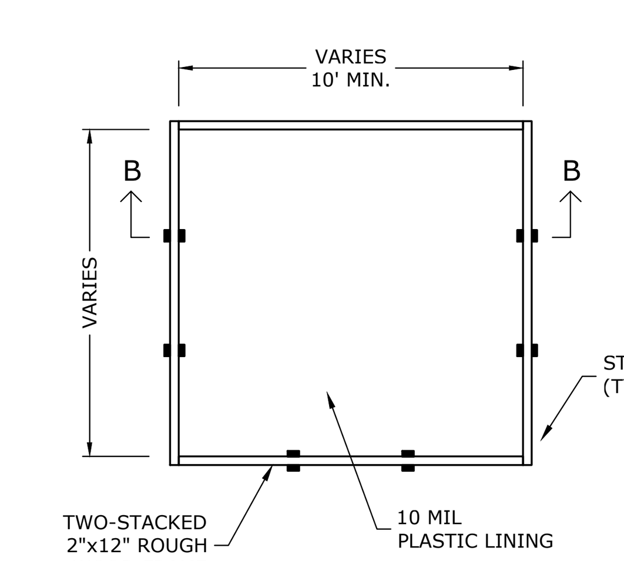
PLAN
TYPE "BELOW GRADE"



STAPLE DETAIL



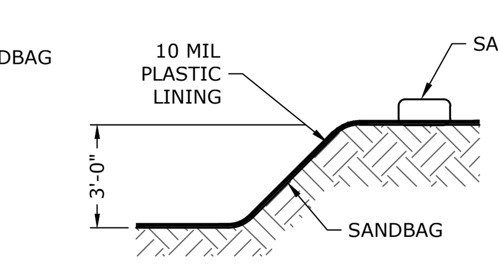
SECTION B-B



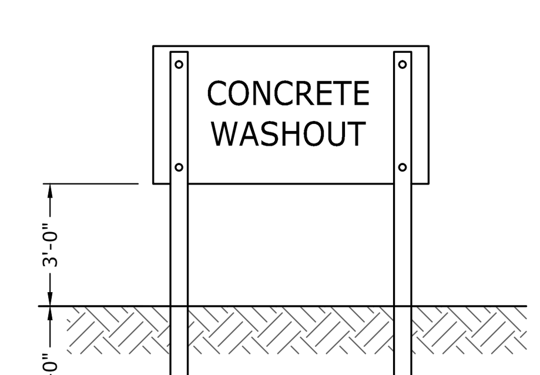
PLAN
TYPE "ABOVE GRADE"

CONCRETE WASHOUT DETAIL

NOT TO SCALE



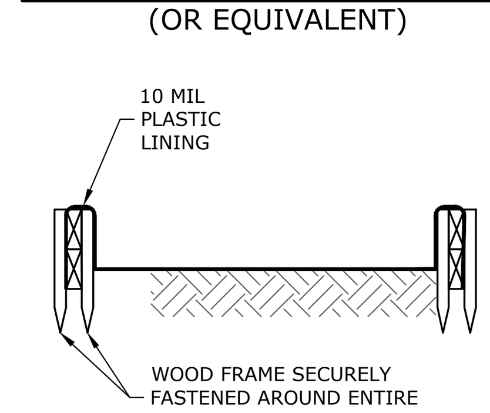
SECTION A-A



NOTES:

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

CONCRETE WASHOUT SIGN DETAIL
(OR EQUIVALENT)



SECTION B-B

ONSITE TEMPORARY CONCRETE WASHOUT FACILITY, TRANSIT TRUCK WASHOUT PROCEEDURES

1. TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE LOCATED A MINIMUM OF 50 FT. FROM STORM DRAIN INLETS, OPEN DRAINAGE FACILITIES, AND EACH FACILITY SHOULD BE LOCATED AWAY FROM CONSTRUCTION TRAFFIC OR ACCESS AREAS TO PREVENT DISTURBANCE OR TRACKING.
2. A SIGN SHOULD BE INSTALLED ADJACENT TO EACH WASHOUT FACILITY TO INFORM CONCRETE EQUIPMENT OPERATORS TO UTILIZE THE PROPER FACILITIES.
3. TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE CONSTRUCTED ABOVE GRADE OR BELOW GRADE AT THE OPTION OF THE CONTRACTOR. TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
4. TEMPORARY WASHOUT FACILITIES SHOULD HAVE A TEMPORARY PIT OR BERMED AREAS OF SUFFICIENT VOLUME TO COMPLETELY CONTAIN ALL LIQUID AND WASTE CONCRETE MATERIALS GENERATED DURING WASHOUT PROCEDURES.
5. WASHOUT OF CONCRETE TRUCKS SHOULD BE PERFORMED IN DESIGNATED AREAS ONLY.
6. ONLY CONCRETE FROM MIXER TRUCK CHUTES SHOULD BE WASHED INTO CONCRETE WASH OUT.
7. CONCRETE WASHOUT FROM CONCRETE PUMPER BINS CAN BE WASHED INTO CONCRETE PUMPER TRUCKS AND DISCHARGED INTO DESIGNATED WASHOUT DISPOSED OF OFFSITE.
8. ONCE CONCRETE WASTES ARE WASHED INTO THE DESIGNATED AREA AND ALLOWED TO HARDEN, THE CONCRETE SHOULD BE BROKEN UP, REMOVED, AND DISPOSED OF OFFSITE IN A LEGAL MANNER. DISPOSE OF HARDENED CONCRETE ON A REGULAR BASIS.
9. TEMPORARY CONCRETE WASHOUT FACILITY (TYPE ABOVE GRADE)
   - A. TEMPORARY WASHOUT FACILITY (TYPE ABOVE GRADE) SHOULD BE CONSTRUCTED AS SHOWN IN THE DETAILS ON THIS SHEET, WITH A RECOMMENDED MINIMUM LENGTH AND MINIMUM WIDTH OF 10 FT., BUT WITH SUFFICIENT QUANTITY AND VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
   - B. STRAW BALES, WOOD STAKES, AND MATERIALS SHOULD CONFORM TO THE PROVISIONS IN THE EROSION AND SEDIMENT CONTROL PLAN.
   - C. PLASTIC LINING MATERIAL SHOULD BE A MINIMUM OF 10 MIL POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.
10. TEMPORARY CONCRETE WASHOUT FACILITY (TYPE BELOW GRADE)
   - A. TEMPORARY WASHOUT FACILITY (TYPE BELOW GRADE) SHOULD BE CONSTRUCTED AS SHOWN IN THE DETAILS ON THIS SHEET, WITH A RECOMMENDED MINIMUM LENGTH AND MINIMUM WIDTH OF 10 FT., BUT WITH SUFFICIENT QUANTITY AND VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
   - B. LATH AND FLAGGING SHOULD BE COMMERCIAL TYPE.
   - C. PLASTIC LINING MATERIAL SHOULD BE A MINIMUM OF 10 MIL POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.

REMOVAL OF TEMPORARY CONCRETE WASHOUT FACILITIES

1. WHEN TEMPORARY CONCRETE WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR THE WORK, THE HARDENED CONCRETE SHOULD BE REMOVED AND DISPOSED OF. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF.
2. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE BACKFILLED AND REPAIRED.

INSPECTION AND MAINTENANCE

1. INSPECT AND VERIFY THAT ACTIVITY-BASED BMPS ARE IN PLACE PRIOR TO THE COMMENCEMENT OF A BMP ARE UNDER WAY, INSPECT WEEKLY DURING THE RAINY SEASON AND AT TWO WEEK INTERVALS IN THE NON-RAINY SEASON TO VERIFY CONTINUED BMP IMPLEMENTATION.
2. TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF 4 IN. FOR ABOVE GRADE FACILITIES AND 12 IN. FOR BELOW GRADE FACILITIES. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION. HARDENED CONCRETE MATERIALS SHOULD BE REMOVED AND DISPOSED OF.
3. WASHOUT FACILITIES MUST BE CLEANED, OR NEW FACILITIES MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.

SOUTHWEST SPORTS COMPLEX
RESTROOM FACILITIES

NPDES, EROSION AND SEDIMENT CONTROL NOTES & DETAILS

ESCAMBIA COUNTY FLORIDA

FABRE ENGINEERING INC.
ENGINEERS ◆ PLANNERS ◆ SURVEYORS
119 GREGORY SQUARE PENSACOLA, FLORIDA 32502 TEL:850 433 6438 FAX:850 434 7842

DRAWN BY: JAMES STONE	DESIGNED BY: FRANK J. FABRE, P.E.	CHECKED BY: FRANK J. FABRE, P.E.	REG. FLA. ENG. NO. 15967
DATE: 05-12-2016	PROJECT MANAGER: GEORGE BUSH	DISTRICT: 1	SIGNATURE:
FIELD BOOK / PAGES: --------		SECTION/TOWNSHIP/RANGE SEC. 27, T-2-S, R-31-W	DATE:

NUMBER	REVISIONS	DATE	APPROVED BY

DRAWING NUMBER G-201
PROJECT NUMBER 160026
SURVEY NUMBER 160026
SHEET 02 OF 12

NOTE:

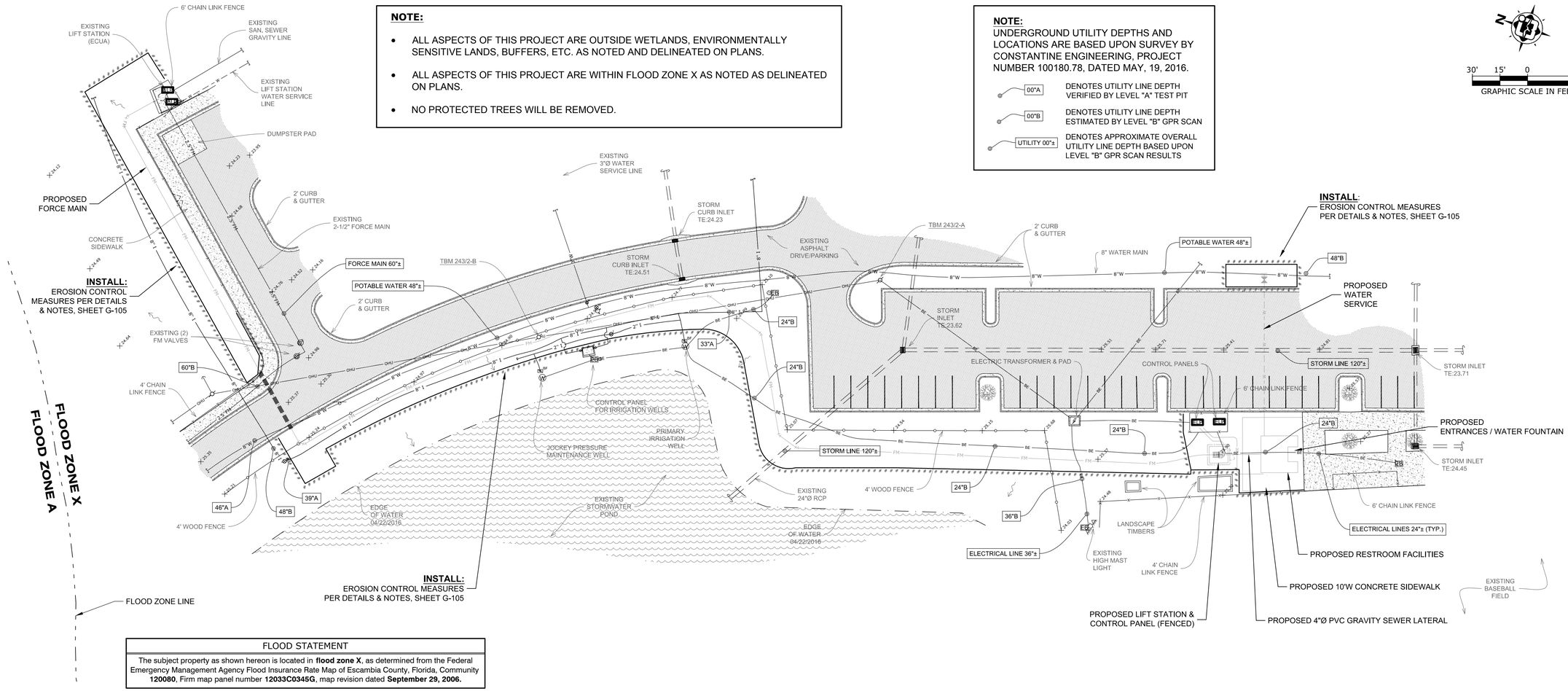
- ALL ASPECTS OF THIS PROJECT ARE OUTSIDE WETLANDS, ENVIRONMENTALLY SENSITIVE LANDS, BUFFERS, ETC. AS NOTED AND DELINEATED ON PLANS.
- ALL ASPECTS OF THIS PROJECT ARE WITHIN FLOOD ZONE X AS NOTED AS DELINEATED ON PLANS.
- NO PROTECTED TREES WILL BE REMOVED.

NOTE:
UNDERGROUND UTILITY DEPTHS AND LOCATIONS ARE BASED UPON SURVEY BY CONSTANTINE ENGINEERING, PROJECT NUMBER 100180.78, DATED MAY, 19, 2016.

- 00"A — DENOTES UTILITY LINE DEPTH VERIFIED BY LEVEL "A" TEST PIT
- 00"B — DENOTES UTILITY LINE DEPTH ESTIMATED BY LEVEL "B" GPR SCAN
- UTILITY 00"± — DENOTES APPROXIMATE OVERALL UTILITY LINE DEPTH BASED UPON LEVEL "B" GPR SCAN RESULTS

N

30' 15' 0 30'
GRAPHIC SCALE IN FEET



FLOOD STATEMENT
The subject property as shown hereon is located in **flood zone X**, as determined from the Federal Emergency Management Agency Flood Insurance Rate Map of Escambia County, Florida, Community **120080**, Firm map panel number **12033C0345G**, map revision dated **September 29, 2006.**

LEGEND

EXISTING

SYMBOLS

- BENCH MARK
- BACK FLOW PREVENTER
- FIRE HYDRANT
- POWER POLE W/ GUY ANCHOR
- LIGHT POLE
- STADIUM / HIGH MAST LIGHT
- WOOD POST
- ELECTRIC BOX
- ELECTRIC PANEL
- VALVE IRRIGATION
- VALVE SEWER
- VALVE WATER
- IRRIGATION WELL
- SIGN
- STORM INLET
- STORMWATER FLOW
- UNKNOWN TREE
- SPOT ELEVATION

HATCHING

- CONCRETE (DRIVES & SIDEWALKS)
- ASPHALT

LINETYPES

- WATER MAIN
- WATER SERVICE LINE
- IRRIGATION LINE
- FORCE MAIN
- SANITARY SEWER LINE
- STORM SEWER LINE
- BURIED ELECTRICAL
- OVERHEAD UTILITIES
- CENTERLINE OF PAVEMENT
- CHAIN LINK FENCE
- WOOD RAIL FENCE
- EDGE OF WATER BODY

ABBREVIATIONS

G	GAS
OHU	OVERHEAD UTILITY
ST	STORM
SS	SANITARY SEWER
FM	FORCE MAIN
TYP	TYPICAL
PVC	POLY VINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
CPP	CORRUGATED PLASTIC PIPE
IE	INVERT ELEVATION
TE	TOP ELEVATION
TH	THROAT ELEVATION
EL	ELEVATION
FFE	FINISHED FLOOR ELEVATION
DBL	DOUBLE
W/	WITH
CONC	CONCRETE
TBM	TEMPORARY BENCHMARK
R/W	RIGHT OF WAY
DIA. OR Ø	DIAMETER
±	MORE OR LESS

PROPOSED

HATCHING

- CONCRETE (SIDEWALKS & SLABS)
- SOD LANDSCAPING

LINETYPES

- TO BE REMOVED
- SILT FENCING/EROSION CONTROL
- FORCE MAIN (2")
- BURIED ELECTRIC CONDUIT
- SANITARY SEWER (GRAVITY)
- WATER SERVICE LINE (3/4")
- CHAIN LINK FENCE

SYMBOLS

- SANITARY SEWER CLEANOUT
- GATE VALVE & BOX
- 2" TAPPING SLEEVE OR SADDLE
- ELECTRIC PANEL/SERVICE
- FITTINGS/BENDS (TEE, WYE, 11.25°, 22.5°, 45°, 90°)
- DITCH SEDIMENT BARRIERS
- INLET PROTECTION
- SPOT ELEVATION (00.00)

SOUTHWEST SPORTS COMPLEX
RESTROOM FACILITIES

EXISTING CONDITIONS, LEGEND & EROSION CONTROL PLAN

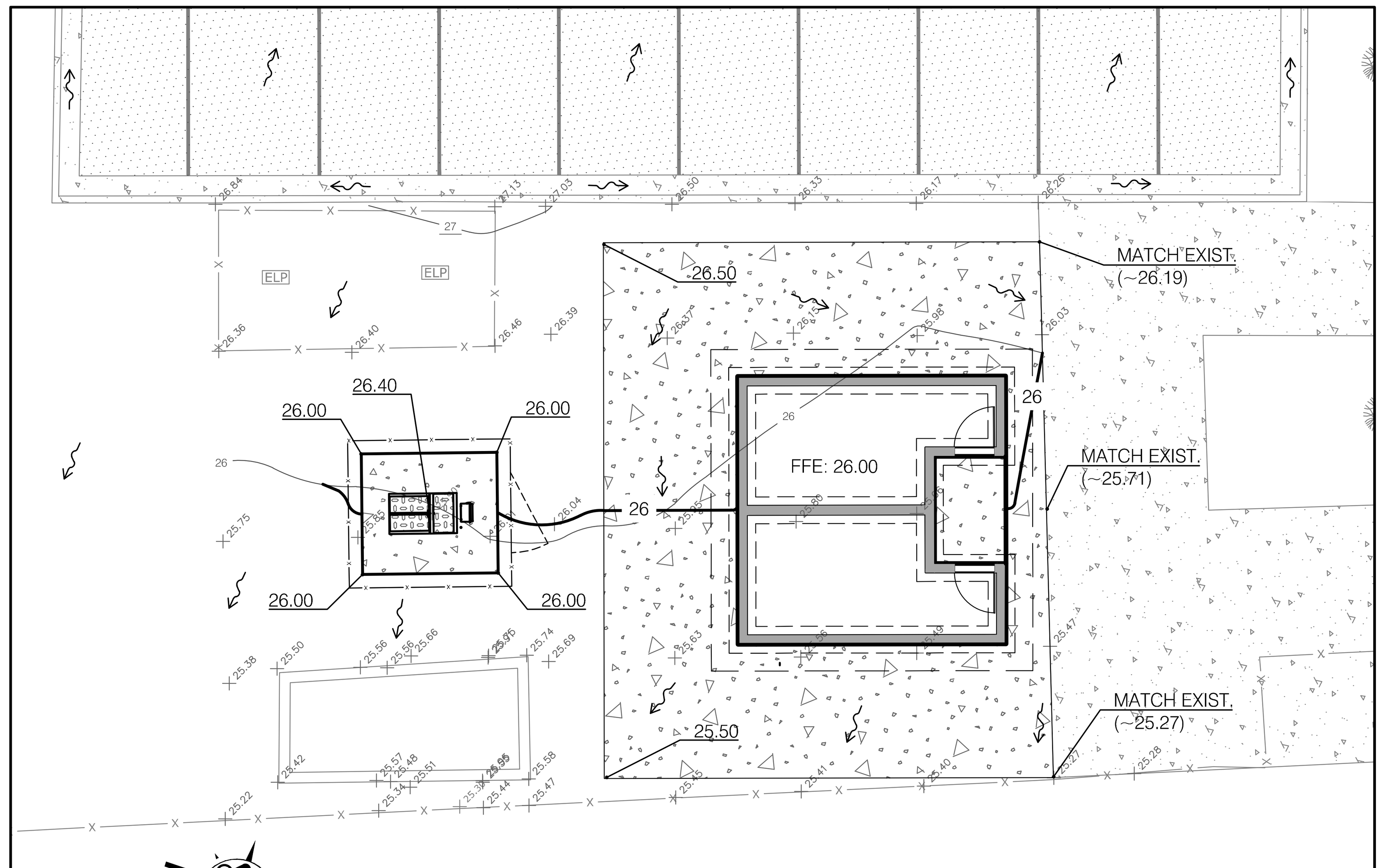
ESCAMBIA COUNTY FLORIDA

FABRE ENGINEERING INC.
ENGINEERS ◆ PLANNERS ◆ SURVEYORS
119 GREGORY SQUARE PENSACOLA, FLORIDA 32502 TEL:850.433.6438 FAX:850.434.7842

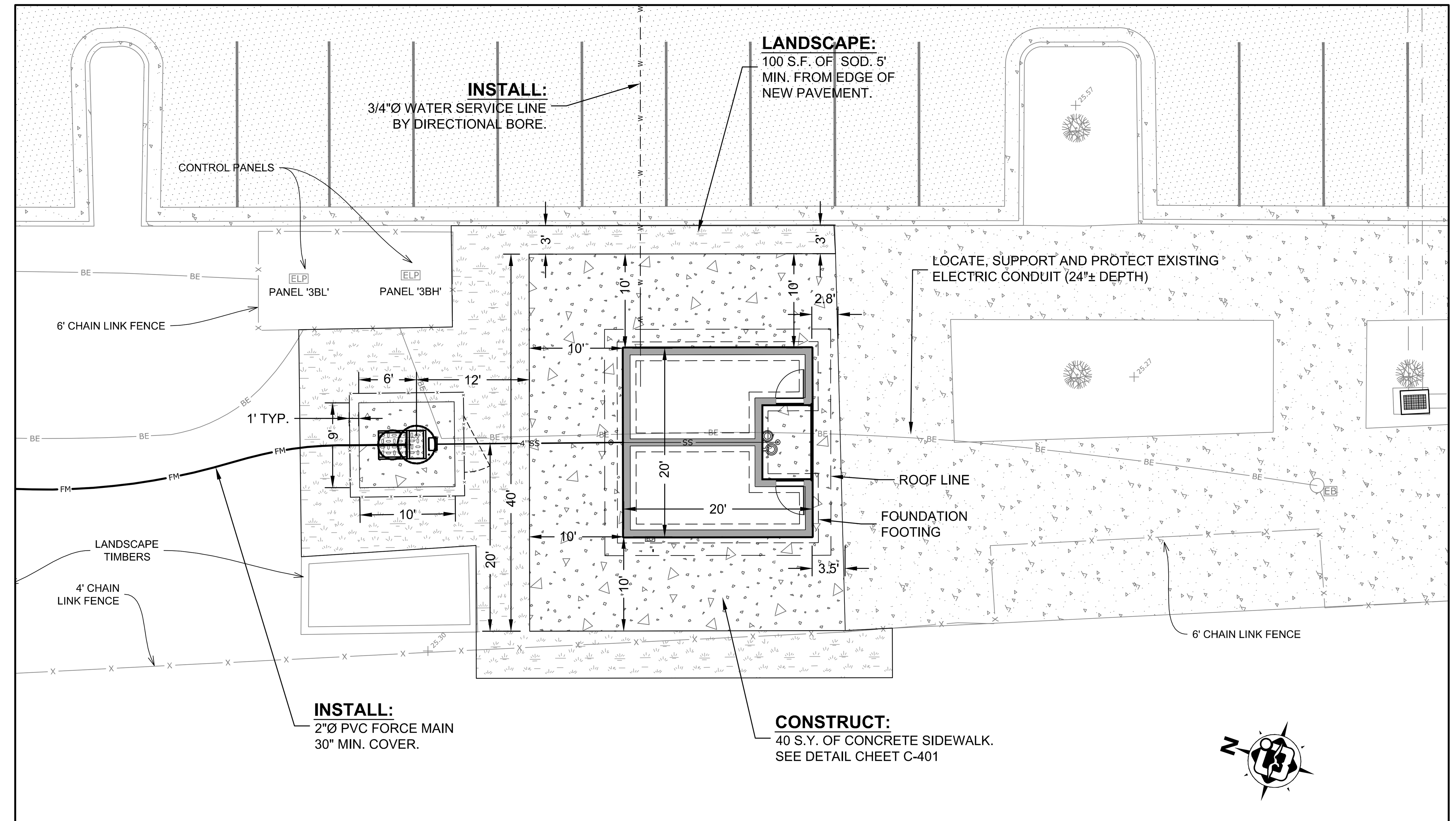
DRAWN BY	JAMES STONE
DESIGNED BY	FRANK J. FABRE, P.E.
PROJECT MANAGER	GEORGE BUSH
FIELD BOOK / PAGES	05-12-2016
CHECKED BY	FRANK J. FABRE, P.E.
DISTRICT	1
SECTION/TOWNSHIP/RANGE	SEC. 27, T-2-S, R-31-W
REG. FLA. ENG. NO.	15967
SIGNATURE	
DATE	

NUMBER	REVISIONS	DATE	APPROVED BY

DRAWING NUMBER	C-101
PROJECT NUMBER	160026
SURVEY NUMBER	160026
SHEET	03 OF 12



GRADING PLAN

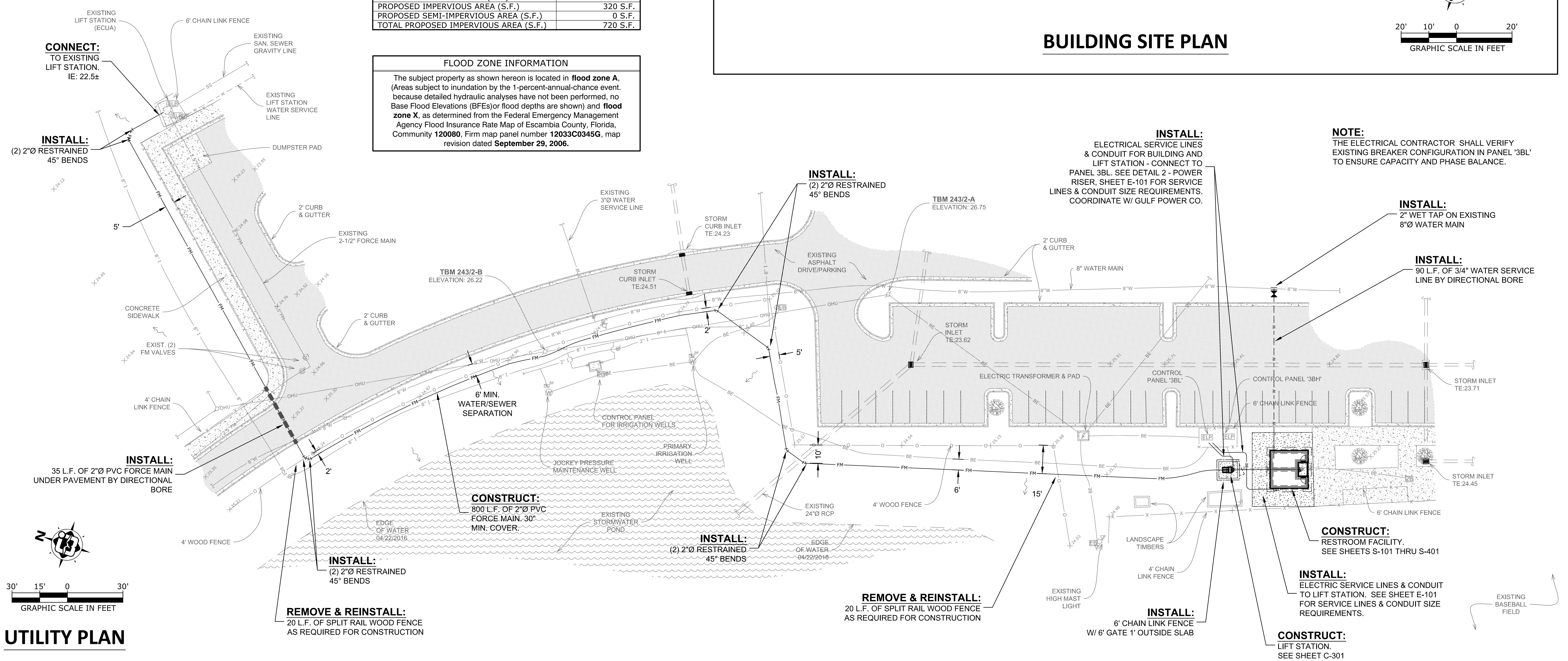


BUILDING SITE PLAN

LOT COVERAGE INFORMATION	
PROPOSED BUILDING AREA (S.F.)	400 S.F.
PROPOSED IMPERVIOUS AREA (S.F.)	320 S.F.
PROPOSED SEMI-IMPERVIOUS AREA (S.F.)	0 S.F.
TOTAL PROPOSED IMPERVIOUS AREA (S.F.)	720 S.F.

FLOOD ZONE INFORMATION

The subject property as shown hereon is located in **flood zone A**, (Areas subject to inundation by the 1-percent-annual-chance event. because detailed hydraulic analyses have not been performed, no Base Flood Elevations (BFEs)or flood depths are shown) and **flood zone X**, as determined from the Federal Emergency Management Agency Flood Insurance Rate Map of Escambia County, Florida, Community **120080**, Firm map panel number **12033C0345G**, map revision dated **September 29, 2006.**



UTILITY PLAN

SOUTHWEST SPORTS COMPLEX RESTROOM FACILITIES

SITE, GRADING & UTILITY PLAN

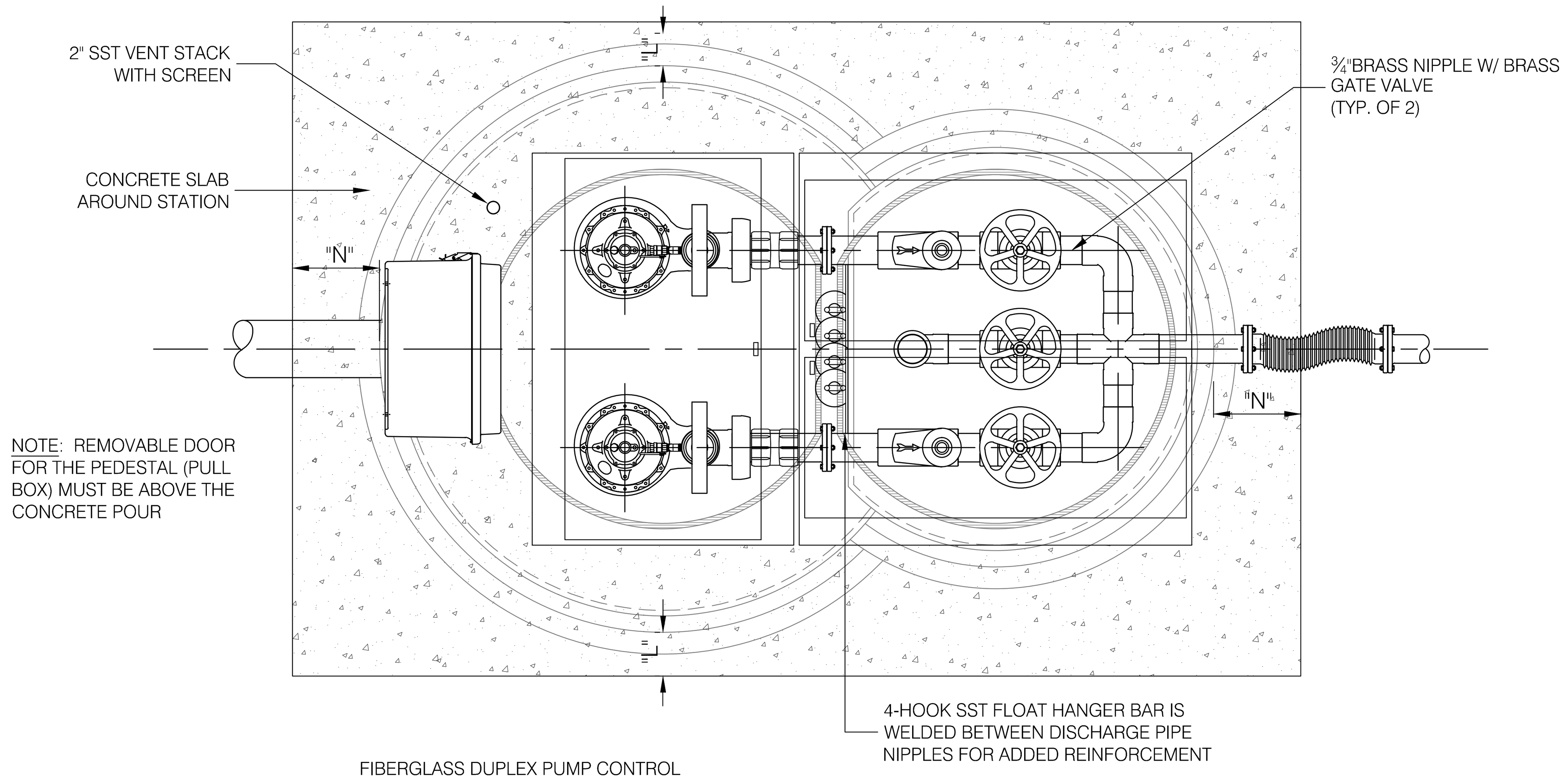
ESCAMBIA COUNTY FLORIDA

FABRE ENGINEERING INC.
ENGINEERS ◆ PLANNERS ◆ SURVEYORS
119 GREGORY SQUARE PENSACOLA, FLORIDA 32502 TEL:850 433 6438 FAX:850 434 7842

DRAWN BY: JAMES STONE	DESIGNED BY: FRANK J. FABRE, P.E.	CHECKED BY: FRANK J. FABRE, P.E.	REG. FLA. ENG. NO. 15967
DATE: 05-12-2016	PROJECT MANAGER: GEORGE BUSH	DISTRICT: 1	SIGNATURE:
FIELD BOOK / PAGES: -------	SECTION/TOWNSHIP/RANGE SEC. 27, T-2-S, R-31-W		DATE:

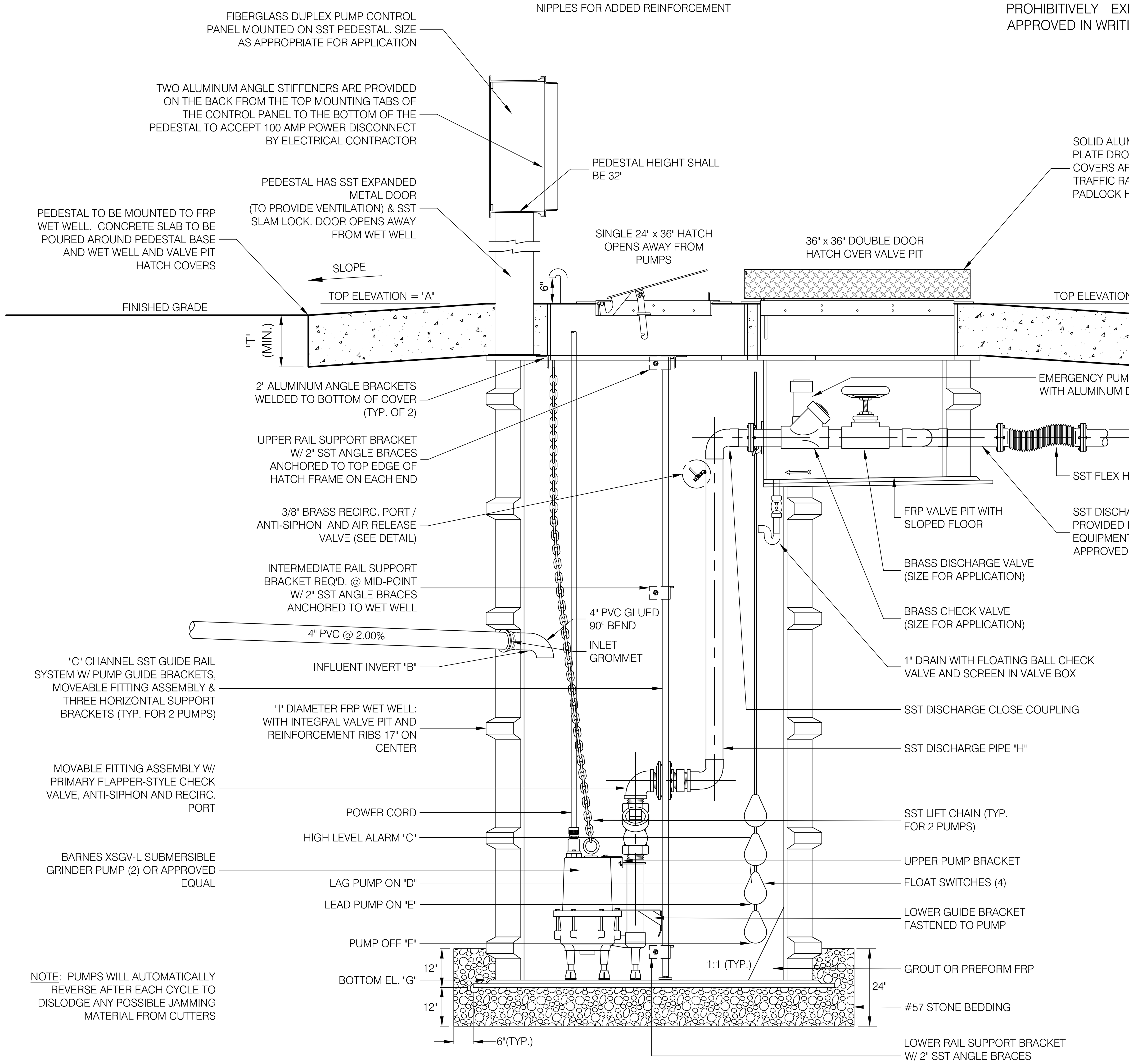
NUMBER	REVISIONS	DATE	APPROVED BY

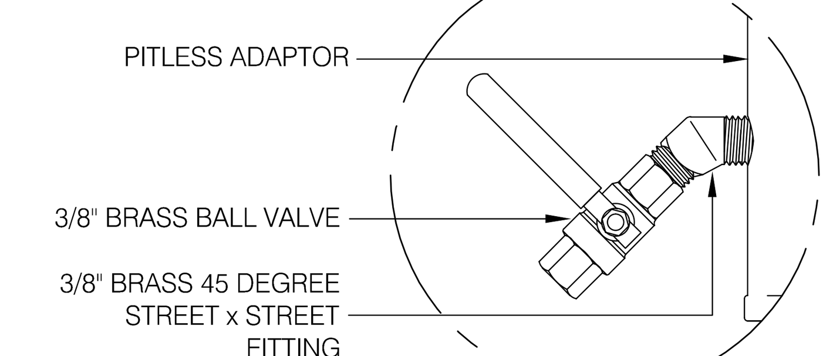
DRAWING NUMBER	C-201
PROJECT NUMBER	160026
SURVEY NUMBER	160026
SHEET	04 OF 12



LIFT STATION NOTES:

1. ALL CONCRETE SHALL BE 4000 P.S.I. FIBERMESH. CONCRETE SLAB TO BE ON TOP AND AROUND HATCH COVERS.
2. ACCESS HATCH SHALL BE TRAFFIC RATED (H-20) AND SIZED FOR THE APPLICATION. SUPPLIER SHALL ENSURE THAT HATCH CLEAR OPENING ON WETWELL WILL ALLOW FOR EASY PUMP REMOVAL AND CLEAR OPENING ON VALVE VAULT WILL ALLOW FOR EASY CONNECTION TO THE PUMP.
3. ALL HATCHES SHALL BE LOCKABLE.
4. CONTRACTOR SHALL NOT BE REQUIRED TO PROVIDE PERMANENT PRESSURE GAUGES AT DUPLEX GRINDER STATIONS. HOWEVER TWO OIL FILLED GAUGES SHALL BE SUPPLIED AT THE TIME OF LIFT STATION START-UP FOR TESTING PURPOSES.
5. PRIOR TO ORDERING PUMPS OR BEGINNING WORK THE CONTRACTOR SHALL COORDINATE WITH GULF POWER TO CONFIRM THAT 3 PHASE POWER IS AVAILABLE TO THE SITE. IN THE EVENT 3 PHASE POWER IS UNAVAILABLE OR PROHIBITIVELY EXPENSIVE, SINGLE PHASE POWER MAY BE ALLOWED IF APPROVED IN WRITING BY THE ENGINEER.

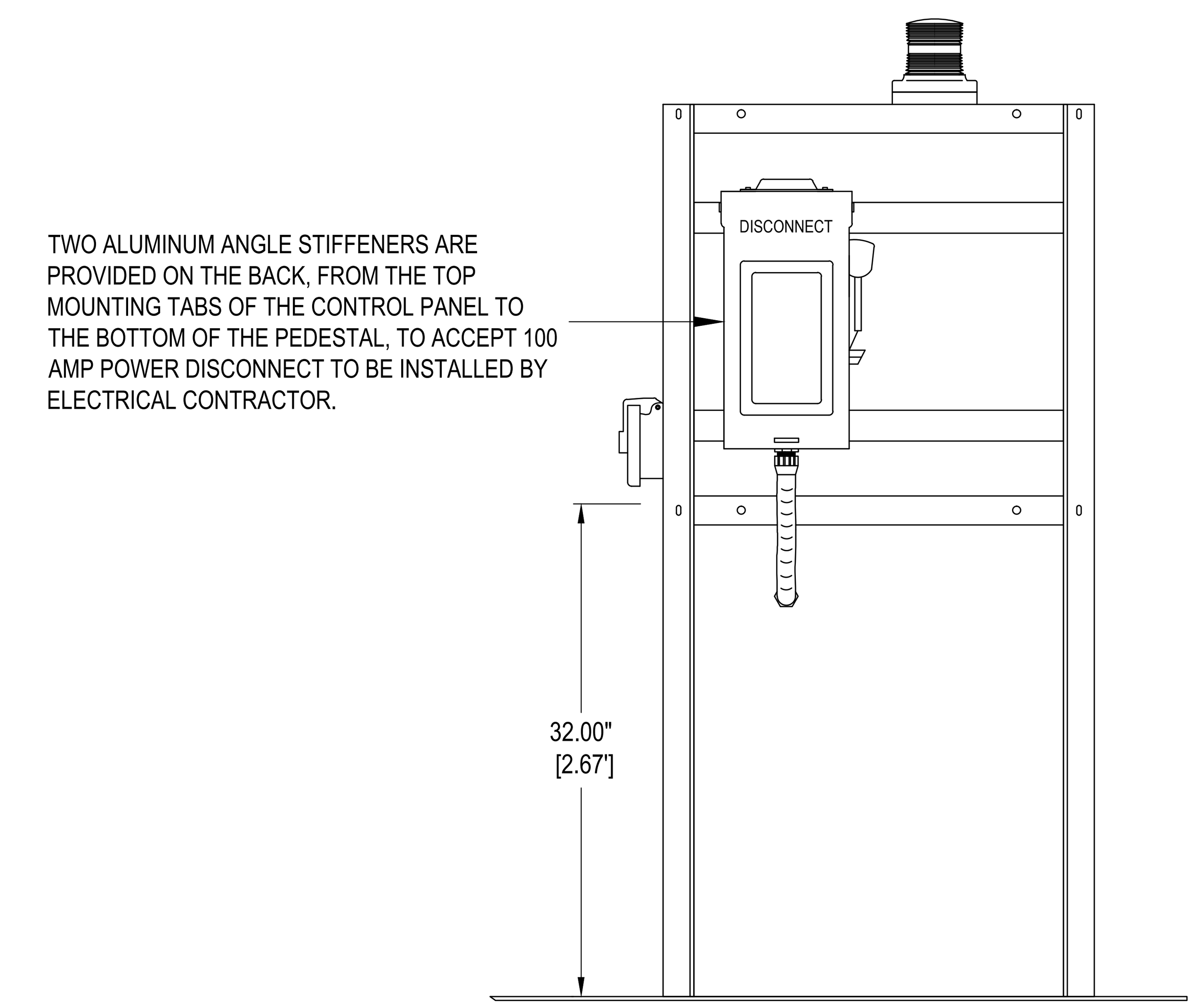


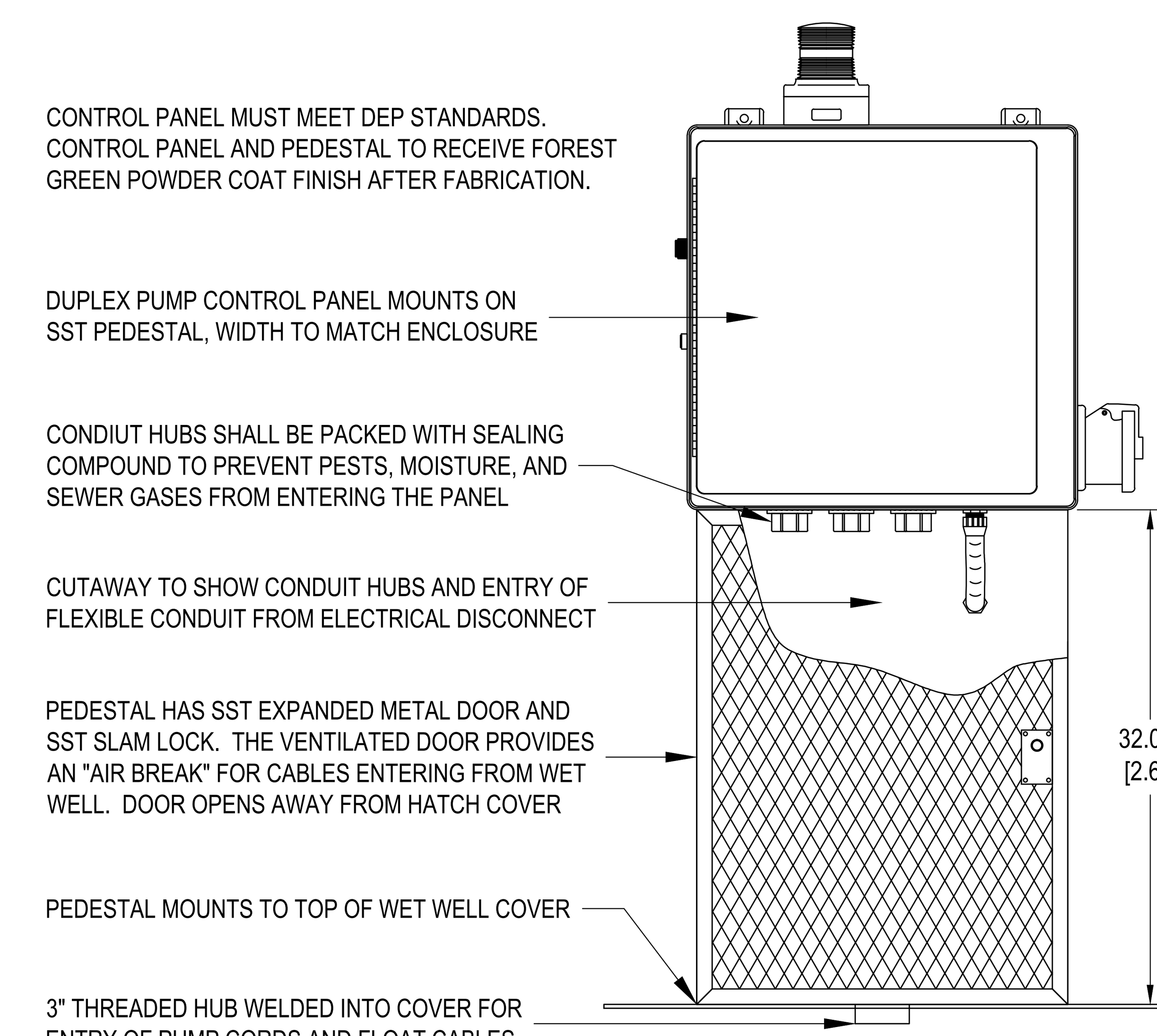


LIFT STATION DETAILS

NOT TO SCALE

LIFT STATION DATA	
TOP ELEVATION "A"	26.40
LOWEST INVERT ELEVATION "B"	23.00
HIGH LEVEL ALARM "C"	22.00
LAG PUMP ON "D"	21.00
LEAD PUMP ON "E"	20.00
PUMPS OFF "F"	18.00
BOTTOM ELEVATION "G"	15.50
FORCE MAIN SIZE "H"	2"
WET WELL DIAMETER "I"	4 FT
OPERATING POINT	30 GPM @ 27 FT TDH (10.8 psi)
DIMENSION 'L'	2.50 FT
DIMENSION 'N'	2.00 FT
DIMENSION 'T'	12 INCHES
VOLTAGE	208 / 230
HP	2
PHASE	3





CONTROL PANEL and PEDESTAL DETAIL

NOTES:
1. THE PUMPS MUST HAVE A 5-YEAR 100% REPAIR PARTS AND LABOR WARRANTY AS PROVIDED BY THE PUMP MANUFACTURER.
2. PRESSURE GAUGE TO BE SIZED TO READ NO MORE THAN 1-1/2 TIMES THE MAXIMUM PRESSURE PUMP PROVIDES AT DEAD HEAD.
3. CONTROL PANEL MUST MEET DEP STANDARDS.
4. CONTROL PANEL AND PEDESTAL TO RECEIVE FOREST GREEN POWDER COAT FINISH AFTER FABRICATION.

SOUTHWEST SPORTS COMPLEX
RESTROOM FACILITIES

LIFT STATION DETAILS

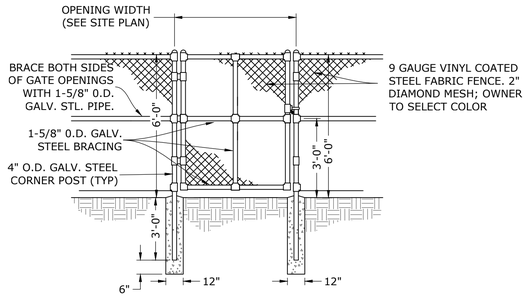
ESCAMBIA COUNTY FLORIDA

FABRE ENGINEERING INC.
ENGINEERS ◆ PLANNERS ◆ SURVEYORS
119 GREGORY SQUARE PENSACOLA, FLORIDA 32502 TEL:850 433 6438 FAX:850 434 7842

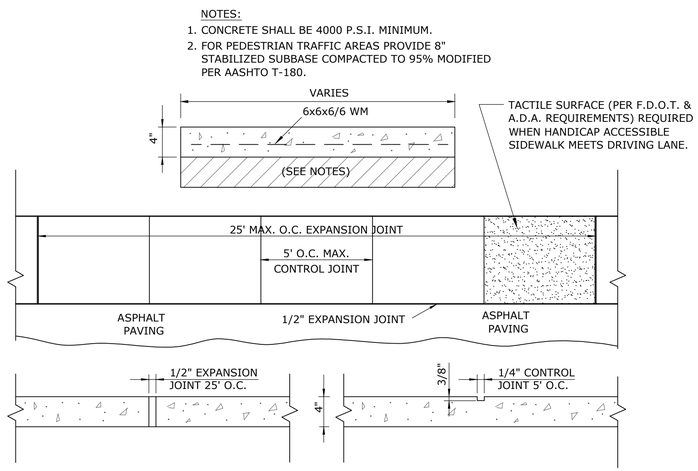
DRAWN BY: JAMES STONE	DESIGNED BY: FRANK J. FABRE, P.E.	CHECKED BY: FRANK J. FABRE, P.E.	REG. FLA. ENG. NO. 15967
DATE: 05-12-2016	PROJECT MANAGER: GEORGE BUSH	DISTRICT: 1	DATE:
FIELD BOOK / PAGES: --------	SECTION/TOWNSHIP/RANGE SEC. 27, T-2-S, R-31-W		SIGNATURE:

NUMBER	REVISIONS	DATE	APPROVED BY

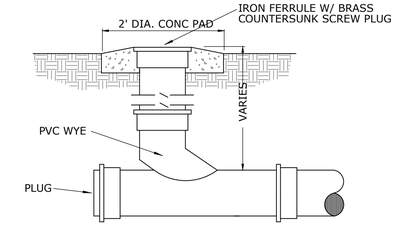
DRAWING NUMBER C-301
PROJECT NUMBER 160026
SURVEY NUMBER 160026
SHEET 05 OF 12



GATE DETAIL
NOT TO SCALE

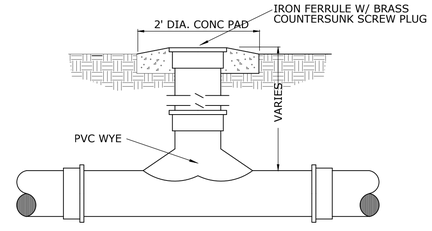


CONCRETE SIDEWALK DETAIL
NOT TO SCALE



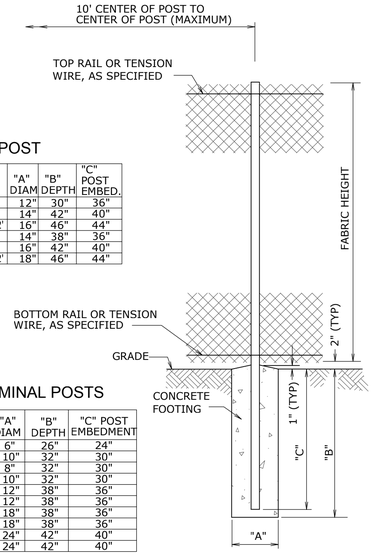
NOTES:
1. VERTICAL PORTIONS SHALL BE NON-PERFORATED.
2. CLEAN-OUT CAP SHALL BE WATER-TIGHT.
3. CLEAN-OUTS SHALL INCORPORATE FITTINGS (WYE FITTINGS OR BENDS) THAT HAVE AN ANGLE NO LESS THAN 45° AS MEASURED FROM THE UPSTREAM END OF THE FILTER PIPES.

ONE-WAY CLEAN-OUT DETAIL
NOT TO SCALE



NOTES:
1. VERTICAL PORTIONS SHALL BE NON-PERFORATED.
2. CLEAN-OUT CAP SHALL BE WATER-TIGHT.
3. CLEAN-OUTS SHALL INCORPORATE FITTINGS (WYE FITTINGS OR BENDS) THAT HAVE AN ANGLE NO LESS THAN 45° AS MEASURED FROM THE UPSTREAM END OF THE FILTER PIPES.

TWO-WAY CLEAN-OUT DETAIL
NOT TO SCALE



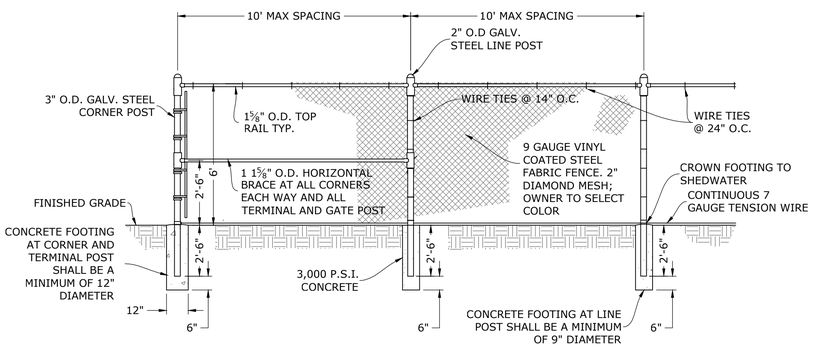
GATE POST

GATE LEAF WIDTH	GATE POST (OD)	FABRIC HEIGHT	"A" DIAM	"B" DEPTH	"C" POST EMBED.
3' TO 6'	2.785"	3' TO 5'	12"	30"	36"
		6' TO 9'	14"	42"	40"
		10' TO 12'	16"	46"	44"
7' TO 12'	4.000"	3' TO 5'	14"	38"	36"
		6' TO 9'	16"	42"	40"
		10' TO 12'	18"	46"	44"

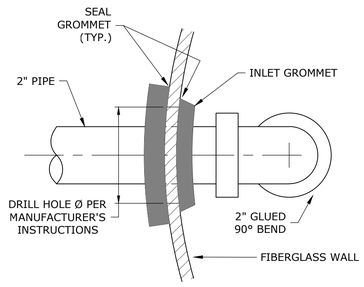
LINE AND TERMINAL POSTS

FABRIC HEIGHT	TYPE POST	"A" DIAM	"B" DEPTH	"C" POST EMBEDMENT
3'-0" TO 4'-0"	LINE	6"	26"	24"
	TERMINAL	10"	32"	30"
5'-0"	LINE	8"	32"	30"
	TERMINAL	10"	32"	30"
6'-0" TO 9'-0"	LINE	12"	38"	36"
	TERMINAL	12"	38"	36"
10'-0" TO 12'-0"	LINE	18"	38"	36"
	TERMINAL	18"	38"	36"
13'-0" TO 18'-0"	LINE	24"	42"	40"
	TERMINAL	24"	42"	40"

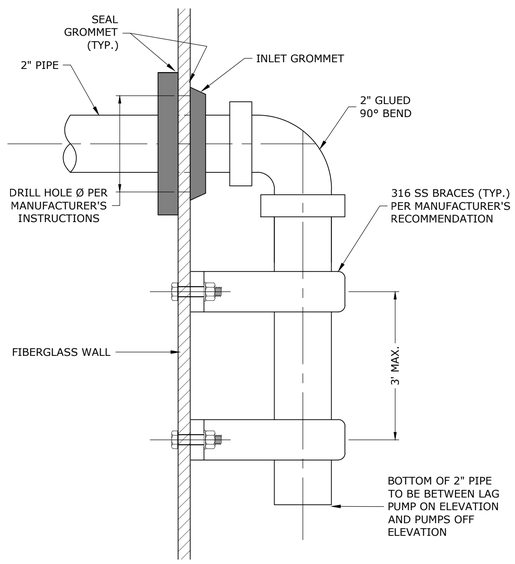
CHAIN LINK FENCE
NOT TO SCALE



CHAIN LINK FENCE DETAILS
NOT TO SCALE



TOP VIEW



SIDE VIEW

PIPE CONNECTION TO FIBERGLASS WET WELL DETAIL
NOT TO SCALE

ECUA Engineering Manual Reference Note

A. ECUA Engineering Manual Incorporated by Reference

The ECUA Engineering Manual, dated December 18, 2014, along with update(s) numbered _____ (hereinafter "Manual"), located at www.ecua.fl.gov, is hereby incorporated by reference into this Project's official contract documents as if fully set forth therein. It is the Contractor's responsibility to be knowledgeable of the Manual's contents and to construct the Project in accordance with the Manual. The Contractor shall provide its employees access to the Manual at all times, via Project site or office, via digital or paper format. In the event of a conflict between the Manual and Plans, Contractor shall consult Engineer of Record for proper resolution.

B. Additional Documents (to be completed by the Engineer of Record)

Does this Project have additional technical specifications or construction details that supplement and/or supersede the Manual listed above? ☐YES NO☒. If yes, Contractor shall construct Project in accordance with said documents as listed and located below:

Document Name	Document Type		Location	
	Specifi-cation	Detail	Plans	Project Manual*
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐

**Project Manuals used only with ECUA CIP Projects*

C. Engineer of Record Responsibilities

The Engineers of Record (EORs) that have affixed their seals and signatures on these plans warrant their portions of the plans have been designed in accordance with the Manual (unless otherwise directed by the ECUA Project Engineer). The EORs shall be knowledgeable of the Manual's contents and shall assume responsibility for its use on this Project.

SOUTHWEST SPORTS COMPLEX
RESTROOM FACILITIES

PROJECT DETAILS

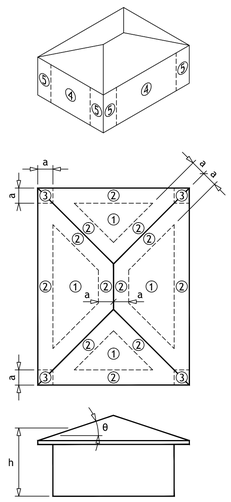
FABRE ENGINEERING INC.
ENGINEERS ◆ PLANNERS ◆ SURVEYORS
119 GREGORY SQUARE PENSACOLA, FLORIDA 32502 TEL:850.433.6438 FAX:850.434.7842

DRAWN BY	JAMES STONE
DESIGNED BY	FRANK J. FABRE, P.E.
PROJECT MANAGER	FRANK J. FABRE, P.E.
DATE	05-12-2016
TITLE BLOCK - PAGES	GEORGE BUSH
CHECKED BY	FRANK J. FABRE, P.E.
DISTRICT	1
SECTION/TOWNSHIP/RANGE	SEC. 27, T-2-S, R-31-W
REG. FLA. ENG. NO.	15967
DATE	
SIGNATURE	

NUMBER	REVISIONS	DATE	APPROVED BY

DRAWING NUMBER	C-401
PROJECT NUMBER	160026
SURVEY NUMBER	160026
SHEET	06 OF 12

HIP ROOF



Mean Roof Height, h	≤ 15 ft
Roof Pitch	6:12
Roof Angle, θ	6:12
End Zone, a	3.00 ft
Topographic Factor, Kzt	1.00
Risk Category	II
Wind Speed, Vult	160 mph
Exposure Category	C
Enclosure Classification	ENCLOSED
Adjustment Factor	1.21

COMPONENTS & CLADDING

LOCATION	ZONE		AREA (FT^2)	PRESSURE (PSF) MAX	MIN
ROOF	INTERIOR	1	10	34.5	-50.9
			20	29.3	-49.6
			50	25.5	-47.7
			100	22.6	-46.2
	END	2	10	32.1	-88.8
			20	29.3	-81.7
			50	25.5	-72.2
			100	22.6	-65.2
	OVERHANG	2	10	83.7	-90.8
			20	79.9	-86.9
			50	74.8	-81.9
			100	71.1	-78.2
	CORNER	3	10	32.1	-131
			20	29.3	-123
			50	25.5	-111
			100	22.6	-103
	OVERHANG	3	10	83.7	-112
			20	79.9	-104
			50	74.8	-94.4
			100	71.1	-86.9
WALL	INTERIOR	4	10	55.8	-60.5
			20	53.2	-58.0
			50	49.9	-54.6
			100	47.4	-52.2
	END	5	10	55.8	-74.7
			20	53.2	-69.6
			50	49.9	-62.9
			100	47.4	-58.0

TREATED WOOD:
1. The American Wood Protection Association (AWPA) has identified Use Category designations (UC) for wood treatment chemicals based on protection of the wood material.
2. Where treated wood is required in this design, it shall conform to the AWPA Standard U1-15 shown in the table below.
3. Metal fasteners in contact with preservative-treated wood shall be hot-dip galvanized following ASTM A153, Class D.
4. Metal connectors in contact with preservative-treated wood require a minimum ASTM A653, Type G185 zinc-coated galvanized steel, or equivalent.

U1-15 USE CATEGORYSYSTEM: USER SPECIFICATION FOR TREATED WOOD

	Use Category	Service Conditions	Use Environment	Typical Applications
INTERIOR	UC1 Dry	Interior construction Above Ground Dry	Continuously protected from weather or other sources of moisture	Interior construction and furnishings
	UC2 Damp	Interior construction Above Ground Damp	Protected from weather, but may be sugject to sources of moisture	Interior construction
ABOVE GROUND	UC3A Protected	Exterior construction Above Ground Coated & rapid water runoff	Exposed to all weather cycles, not exposed to prolonged wetting	Coated millwork, siding, and trim
	UC3B Exposed	Exterior construction Above Ground Uncoated or poor water run-off	Exposed to all weather cycles including prolonged wetting	Decking, deck joists, railings, fence pickets, uncoated millwork
GROUND CONTACT	UC4A General Use	Ground Contact or Fresh Water Non-critical components	Exposed to all weather cycles, normal exposure conditions	Fence, deck, and guardrail posts, crossties, and utility poles (low decay areas)
	UC4B Heavy Duty	Ground Contact or Fresh Water Critical components or difficult replacement	Exposed to all weather cycles, decay potential includes salt water splash	Permanent wood foundations, building poles, horticultural posts, crossties, and utility poles (high decay areas)
	UC4C Extreme Duty	Ground Contact or Fresh Water Critical structural components	Exposed to all weather cycles, severe environments extreme decay potential	Land and freshwater piling, foundation piling, crossties, and utility poles (severe decay areas)
MARINE USE	UC5C Southern Waters	Salt or brackish water and adjacent mud zone Gulf Coast	Continuous marine exposure (salt water)	Piling, bulkheads, bracing
FIRE RETARDANT	UCFA Interior	Fire protection as required by codes Above Ground Interior construction	Continuously protected from weather or other sources of moisture	Roof sheathing, roof trusses, studs, joists, paneling
	UCFB Exterior	Fire protection as required by codes Above Ground Exterior construction	Subject to wetting	Vertical exterior walls, inclined roof surfaces, or other construction which allows water to quickly drain

MATERIAL PROPERTIES:
Where applicable, and unless otherwise noted, the following material properties were assumed in this design and shall be verified by a qualified professional.

Soil bearing capacity (lateral)	400 psf/ft
Soil bearing capacity (vertical)	1,500 psf
Concrete strength @ 28 days	3,000 psi
Structural steel	36 ksi
Concrete reinforcement bars	60 ksi
Bolts	Grade A325
Anchor bolts	Grade F1554
Threaded rod	Grade A307 SAE 1018

GENERAL NOTES:
1. TO THE BEST OF OUR KNOWLEDGE, THESE DRAWINGS COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE CODES AND STANDARDS SHOWN ABOVE.
2. PURSUANT TO FLORIDA STATUTE 481.229(4), ARCHITECTURAL INFORMATION THAT IS SHOWN IN THIS PLAN SET IS ASSUMED TO BE PURELY INCIDENTAL TO THE PRINCIPAL PRACTICE OF CIVIL / STRUCTURAL ENGINEERING BY THE ENGINEER OF RECORD REFLECTED IN THIS DESIGN. ALL INFORMATION IN THIS DESIGN THAT IS ARCHITECTURAL IN NATURE IS FOR INFORMATION ONLY AND SHALL BE VERIFIED BY AN LICENSED ARCHITECT WHERE DEEMED NECESSARY BY THE JURISDICTION RESPONSIBLE FOR REVIEW AND PERMITTING.
3. THE DESIGN CONTAINED IN THIS DRAWING APPLIES ONLY TO THE ADDRESS SHOWN. INSTALLATION AT ANY OTHER LOCATION MUST BE APPROVED IN WRITING BY THE ENGINEER OF RECORD.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER OF RECORD, IN THE EVENT THAT ANY EXISTING CONDITIONS ARE FOUND TO BE CONTRARY TO THOSE SHOWN IN THIS DRAWING.
5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL BUILDING CODES OR STANDARDS.
6. NO CHANGES OR DEVIATIONS FROM THESE PLANS SHALL BE AUTHORIZED WITHOUT WRITTEN APPROVAL FROM THE ENGINEER OF RECORD. THE ENGINEER ASSUMES NO RESPONSIBILITY WHATSOEVER FOR ANY UNAUTHORIZED MODIFICATIONS OR ALTERATIONS TO THE DESIGN CONTAINED IN THIS DRAWING.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING JOB SITE SAFETY AND WORKER PROTECTION.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH STATE AND LOCAL LAWS AND ORDINANCES INCLUDING, BUT NOT LIMITED TO, ZONING REGULATIONS, BUILDING SETBACK BOUNDARIES, ETC.
9. ALL CONTRACTORS AND SUBCONTRACTORS MUST COMPLY W/ OSHA.
10. ALL WORKERS SHALL BE COVERED BY WORKERS COMPENSATIONS INSURANCE, AND CONTRACTOR IS RESPONSIBLE FOR JOBSITE SAFETY.
11. CONTACT SUNSHINE STATE ONE CALL OF FLORIDA, INC., (SSOCOF) A MINIMUM OF TWO (2) FULL BUSINESS DAYS BEFORE EXCAVATION OR DEMOLITION. IF THE JOB SITE IS UNDER WATER, NOTIFY SSOCOF A MINIMUM OF TEN (10) FULL BUSINESS DAYS PRIOR TO EXCAVATION. THEY CAN BE CONTACTED BY CALLING 1-800-432-0877.

GENERAL FOUNDATION NOTES:
1. A GEOTECHNICAL SOIL REPORT HAS BEEN PROVIDED FOR THIS PROJECT. CONTRACTOR SHALL VERIFY ASSUMED SOIL CONDITIONS W/ GEOTECHNICAL ENGINEER AND SHALL, AT HIS COST, OBTAIN/COORDINATE ANY ADDITIONAL SOIL INVESTIGATIONS RECOMMENDED BY GEOTECHNICAL ENGINEER.
2. TERMITE PROTECTION SHALL BE PROVIDED BY REGISTERED TERMITICIDES, INCLUDING SOIL APPLIED PESTICIDES, BAITING SYSTEMS, AND PESTICIDES APPLIED TO WOOD.
3. ALL FILL MATERIAL SHALL BE COMPACTED IN 12" LIFTS MAX AND TO 95% MODIFIED PROCTOR DENSITY.
4. ALL NEW CONCRETE SHALL BE BATCH PROPORTIONED, MIXED AND PLACED PER ACI-318.
5. SLUMP FOR NEW CONCRETE SHALL NOT EXCEED 4 INCHES.
6. SPLICES IN REINFORCING BARS SHALL BE NOT LESS THAN 30 BAR DIAMETERS.
7. FOOTING REINFORCEMENT SHALL BE CONTINUOUS AROUND ALL CORNERS.
8. SYNTHETIC SLAB REINFORCEMENT SHALL BE SYNTHETIC FIBER. FIBER LENGTHS SHALL BE 1/2" TO 2". DOSAGE AMOUNTS SHALL BE FROM 0.75 to 1.50 POUNDS PER CUBIC YARD OF CONCRETE (MIN 3.5" SLAB THICKNESS REQUIRED).
9. STEEL SLAB REINFORCEMENT SHALL BE W1.4xW1.4 / 6X6 WWF.
10. STEEL REINFORCEMENT IN CONCRETE THAT WILL BE PERMANENTLY EXPOSED TO EARTH SHALL HAVE A MINIMUM 3" OF CONCRETE COVER.
11. STEEL REINFORCEMENT (#5 BARS OR SMALLER) THAT WILL BE EXPOSED TO WEATHER SHALL HAVE A MINIMUM 1.5" OF CONCRETE COVER.
12. STEEL REINFORCEMENT (#11 BARS OR SMALLER) THAT WILL NOT BE EXPOSED TO WEATHER OR GROUND SHALL HAVE A MINIMUM 0.75" OF CONCRETE COVER.
13. VAPOR BARRIER SHALL BE MINIMUM 15 MIL POLYETHYLENE WITH JOINTS LAPPED 6 INCHES AND SEALED.
14. CRACK CONTROL JOINTS SHALL BE PLACED AT 12 FT. O.C. MAX SO AS TO LIMIT CONCRETE PLACEMENT AREAS TO 144 SQ. FT. MAX IN ALL SLABS ON GRADE. DO NOT EXCEED 2 TO 1 WIDTH TO LENGTH RATIO. CONTRACTOR MAY ELECT TO SUBMIT A CONTROL JOINT LAYOUT FOR REVIEW BY THE ENGINEER OF RECORD PRIOR TO CONCRETE PLACEMENT.
15. EXTERIOR WALKING SURFACES SHALL HAVE MEDIUM BROOM FINISH.
16. INTERIOR WALKING SURFACES SHALL HAVE STEEL TROWEL FINISH.

REINFORCED CONCRETE:
1. USE STRUCTURAL CONCRETE AND CONCRETING PRACTICES CONFORMING TO ACI-316 AND 301 AND PROPORTION CONCRETE IN ACCORDANCE WITH ACI-318 CH. 4 AND MEETING A MIN. ULTIMATE COMPRESSIVE STRENGTH IN 28 DAYS AS FOLLOWS (UNLESS NOTED OTHERWISE):
   - FOOTING 3,000 PSI
   - GRADE BEAMS 3,000 PSI
   - POURED WALLS 3,000 PSI
   - COLUMNS 5,000 PSI
   - BEAMS 5,000 PSI
   - ALL OTHER CONCRETE 5,000 PSI
2. WHERE CONCENTRATION OF REINFORCING STEEL HINDERS PROPER CONSOLIDATION OF CONCRETE USE CONCRETE CONTAINING A SUPERPLASTICIZING (N.R.W.R.) ADMIXTURE, ASTM C494 TYPE F. SLUMP AFTER ADDITION OF SUPERPLASTICIZER SHALL BE 7"±1".
3. IF CONCRETE IS PUMPED, SLUMP MAY BE INCREASED TO 6" AT THE TRUCK, PROVIDED THE SLUMP SPECIFIED IN NOTE 2 IS MAINTAINED AT THE DISCHARGE END. USE A MINIMUM 4-INCH PUMP, UNLESS PRE-APPROVED BY ENGINEER OF RECORD. TAKE CONCRETE SAMPLES FOR SLUMP AT TRUCK AND AT DISCHARGE END.
4. USE ASTM A-615 GR. 60 REINFORCING STEEL,CONFORM TO ACI-301, ACI-315, ACI-318, AND CRSI "MANUAL OF STANDARD PRACTICE". ALL REINFORCING SHALL BE ACCURATELY PLACED, RIGIDLY SUPPORTED AND FIRMLY TIED IN PLACE WITH BAR SUPPORTS AND SPACERS IN ACCORDANCE WITH THE ABOVE REQUIREMENTS. PROVIDE CLASS 'B' LAP SPLICE FOR CONTINUOUS BARS, UNLESS NOTED OTHERWISE. LAP BOTTOM STEEL OVER SUPPORTS AND TOP STEEL AT MIDSPAN UNLESS OTHERWISE SPECIFIED. HOOK DISCONTINUOUS ENDS OF ALL TOP BARS AND ALL BARS IN WALLS, UNLESS NOTED OTHERWISE.

BASIS OF DESIGN:
- FLORIDA BUILDING CODE 2014 (5TH EDITION)
- ASCE 7-10: MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
- NDS 2012: NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION
- ACI 318-11: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- ACI 530-13: BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES

BUILDING DATA:
- CONSTRUCTION TYPE: TYPE VB: UNPROTECTED, UNSPRINKLERED
- OCCUPANCY CLASSIFICATION: ASSEMBLY (A-5)
- BUILDING AREA: 400 SF
- BUILDING HEIGHT: 14'-3" ±
- NUMBER OF STORIES: 1
- EXTERIOR WALLS: CONCRETE MASONRY UNIT
- INTERIOR WALLS: CONCRETE MASONRY UNIT
- ROOF TRUSSES: ENGINEERED WOOD TRUSSES

DESIGN LOADS:
- FLOOR LIVE LOAD: 100 PSF
- FLOOR DEAD LOAD: 10 PSF
- PARTITION LOAD: 15 PSF
- ROOF LIVE LOAD: 20 PSF
- ROOF DEAD LOAD: 10 PSF

WIND CRITERIA:
- DESIGN STANDARD: FBC SECTION 1609 / ASCE 7-10
- RISK CATEGORY: II
- ULTIMATE DESIGN WINDSPEED: 160 MPH
- EXPOSURE CATEGORY: C
- STRUCTURE TYPE: ENCLOSED
- MEAN ROOF HEIGHT: 11'-3" ±

SHOP DRAWING SUBMITTALS:
1. THE FOLLOWING REQUIREMENTS IN NO WAY REDUCE OR LIMIT ANY ADDITIONAL REQUIREMENTS OF SPECIFICATIONS.
2. REVIEW OF SUBMITTALS BY THE STRUCTURAL ENGINEER IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AS PRESENTED BY THE CONTRACT DOCUMENTS. NO DETAILED CHECK OF QUANTITIES OR DIMENSIONS WILL BE MADE. ONLY THOSE SHOP DRAWINGS REQUIRED BY THE CONTRACT DOCUMENTS TO BE SUBMITTED WILL BE REVIEWED. ALL OTHERS WILL BE RETURNED WITHOUT COMMENT.
3. IN ACCORDANCE WITH THE SPECIFICATIONS, SUBMIT A COPY OF THE SHOP DRAWING SUBMITTAL REGISTER TO THE STRUCTURAL ENGINEER, SHOWING DATES OF SUBMITTAL FOR EACH SPECIFIC STRUCTURAL SECTION OF THE WORK, CONSISTENT WITH THE FOLLOWING CRITERIA:

   3.1. ALLOW ADEQUATE TIME FOR TRANSIT AND PROCESSING BEFORE FABRICATION. THE STRUCTURAL ENGINEER WILL REVIEW AN AVERAGE SUBMITTAL WITHIN 10 WORKING DAYS OF RECEIPT BY THEM.
   3.2. SCHEDULE AND SUBMIT SHOP DRAWINGS FOR SPECIFIC COMPONENTS, SUCH AS COLUMNS, FOOTINGS, ETC., IN THEIR ENTIRETY. SHOP DRAWINGS FOR SIMILAR FLOORS SHALL BE SUBMITTED IN THE SAME PACKAGE.
   3.3. SUBMIT SHOP DRAWINGS IN A TIMELY MANNER, CONSISTENT WITH THE ABOVE REQUIREMENTS.

4. ALL CHANGES AND ADDITIONS MADE ON RESUBMITTALS MUST BE CLEARLY FLAGGED AND NOTED. THE PURPOSE OF THE RESUBMITTALS MUST BE CLEARLY NOTED ON THE LETTER OF TRANSMITTAL. REVIEW BY THE ENGINEER OF RECORD SHALL BE LIMITED TO THE ITEMS CAUSING THE RESUBMITTAL.
5. DO NOT REPRODUCE THE CONTRACT DOCUMENTS FOR USE AS SHOP DRAWINGS.
6. SHOP DRAWINGS NOT MEETING THE ABOVE CRITERIA OR SUBMITTED AFTER FABRICATION WILL NOT BE REVIEWED AND WILL BE RETURNED WITHOUT COMMENT.
7. RESPONSIBILITIES OF DETAILERS AND FABRICATORS:

   7.1. GENERAL- SUBMIT SHOP DRAWINGS AND ANY OTHER SPECIAL INFORMATION NECESSARY FOR PROPER FABRICATION, ERECTION, AND PLACEMENT OF STRUCTURAL FABRICATIONS. INCLUDE PLANS, ELEVATIONS, AND SECTIONS. CLEARLY SHOW ANCHORAGES, CONNECTIONS, AND ACCESSORY ITEMS. THE DETAILER MUST INTERPRET THE CONTRACT DOCUMENTS AND CLEARLY CONVEY THIS INTERPRETATION TO THE FIELD IN THE FORM OF PLACING OR ERECTION DRAWINGS.
   7.2. CONCRETE REINFORCING DETAILER- PROVIDE PLACING DRAWINGS FOR FABRICATION AND PLACING OF REINFORCING STEEL. THESE DRAWINGS SHALL INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING: BAR LISTS, SCHEDULES, BENDING DETAILS, PLACING DETAILS, PLACING PLANS, AND PLACING ELEVATIONS.

      7.2.1. CLEARLY SHOW ELEVATIONS OF ALL BEARING AND SHEAR WALLS. INDICATE CONTROL JOINTS, EXPANSION JOINTS, LINTELS, CONCRETE BOND BEAMS, AND OPENINGS, DETAILS OF ALL REINFORCING WITH LOCATIONS OF SPLICES AND HOOKS, PILASTERS.
      7.2.2. CLEARLY SHOW BEAM ELEVATIONS AND SECTIONS. INDICATE BAR LENGTHS, HOOKS, STIRRUP SPACING, LAP SPLICES, OFFSETS, AND LOCATION OF BARS WITH RESPECT TO ALL SUPPORTS.
      7.2.3. CLEARLY SHOW COLUMN ELEVATIONS AND SECTIONS. INDICATE DOWELS, OFFSETS, LAP SPLICES, AND TIES. PLAN SECTIONS OF ALL COLUMNS MUST CLEARLY BE SHOWN.
      7.2.4. CLEARLY SHOW ELEVATION, SECTIONS, AND DETAILS OF ALL BEAM TO COLUMN CONNECTIONS.
      7.2.5. CLEARLY SHOW FOUNDATION REINFORCING. INDICATE BAR LENGTHS, LOCATION AND SPLICES OF CONTINUOUS BARS, AND BAR SUPPORTS.
      7.2.6. CLEARLY SHOW LOCATIONS OF ALL DOWELS ON PLAN. INDICATE FOOTING STEP LOCATIONS AND PROVIDE DETAILS.

8. FOR ADDITIONAL CRITERIA APPLICABLE TO SHOP DRAWINGS REQUIRING ENGINEERING INPUT BY A SPECIALTY ENGINEER, SEE BELOW.

SOUTHWEST SPORTS COMPLEX
RESTROOM FACILITIES

RESTROOM BUILDING STRUCTURAL DRAWINGS

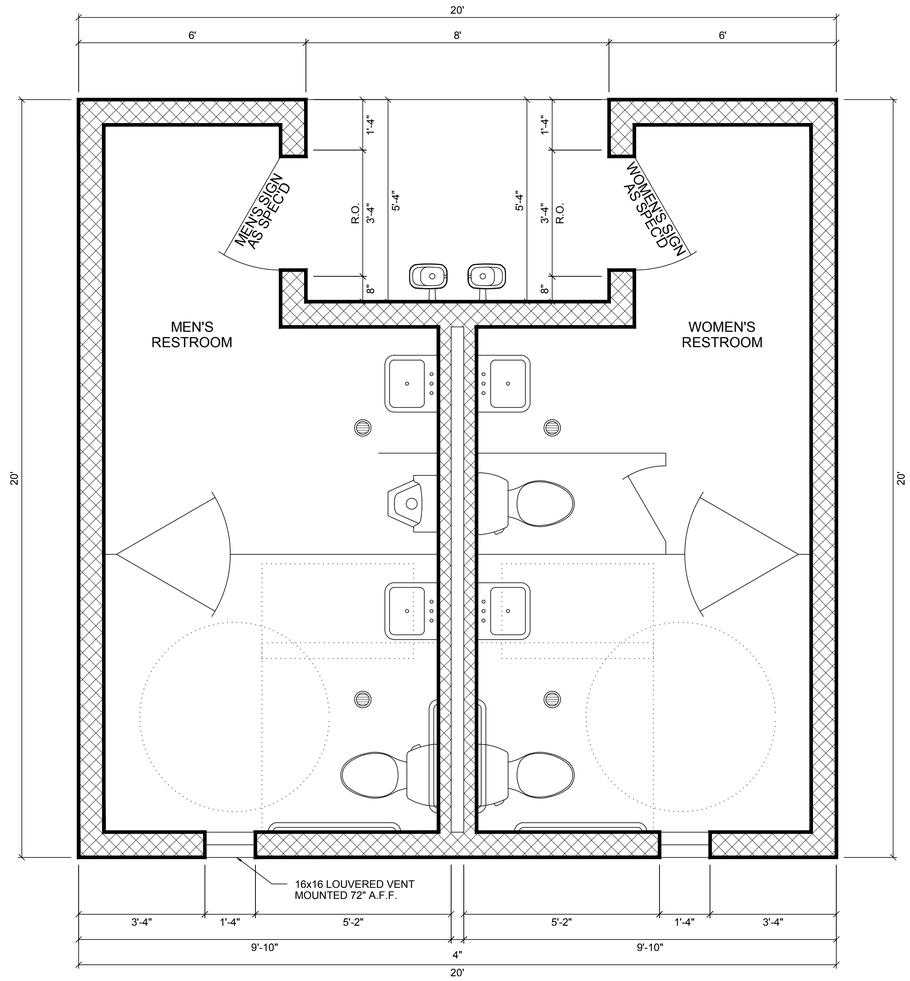
ESCAMBIA COUNTY FLORIDA

FABRE ENGINEERING, INC.
ENGINEERS ♦ PLANNERS ♦ SURVEYORS
119 GREGORY SQUARE PENSACOLA, FLORIDA 32502 TEL:850.433.6458 FAX:850.434.7842

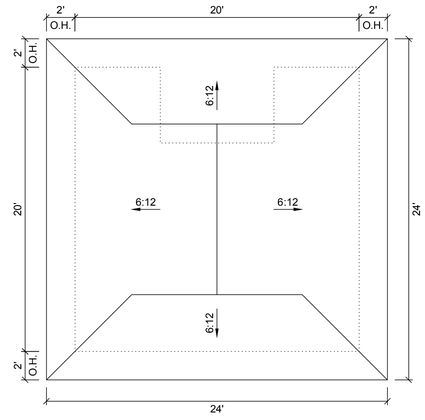
DRAWN BY:	DESIGNED BY:	CHECKED BY:	REG. FLA. ENG. NO:
JOSHUA D. HUBER, PE	JOSHUA D. HUBER, PE	FRANK J. FABRE, PE	73091
DATE:	PROJECT MANAGER:	DISTRICT:	DATE:
06/07/2016	GEORGE BUSH	1	06/07/2016
FIELD BOOK / PAGES:		SECTION / TOWNSHIP / RANGE:	SIGNATURE:
-----		SEC. 27, T-2-S, R-31-W	

NUMBER	REVISIONS	DATE	APPROVED BY

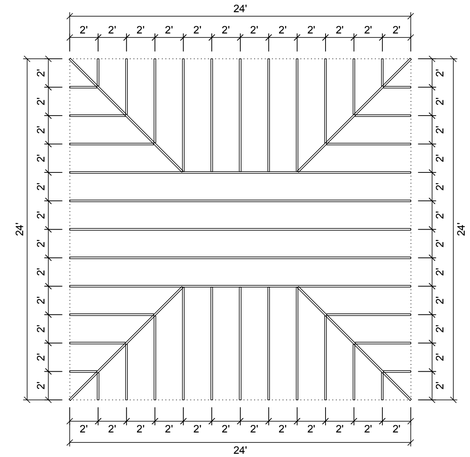
DRAWING NUMBER **S-101**
PROJECT NUMBER 160026
SURVEY NUMBER 160026
SHEET 07 OF 12



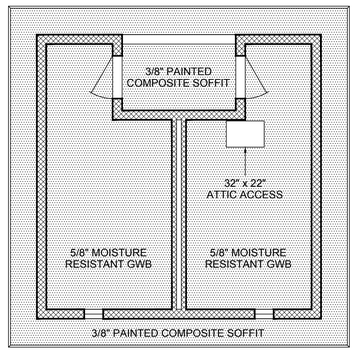
1 FLOOR PLAN
Scale: 1/2" = 1'-0"



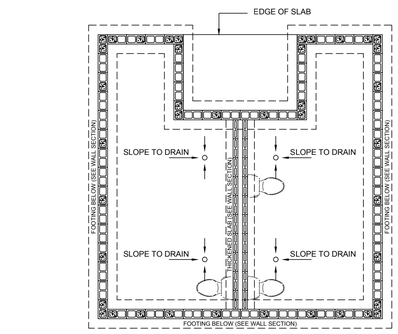
2 ROOF PLAN
Scale: 3/16" = 1'-0"



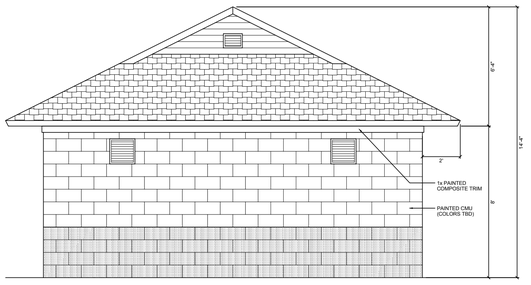
3 TRUSS LAYOUT
Scale: 3/16" = 1'-0"



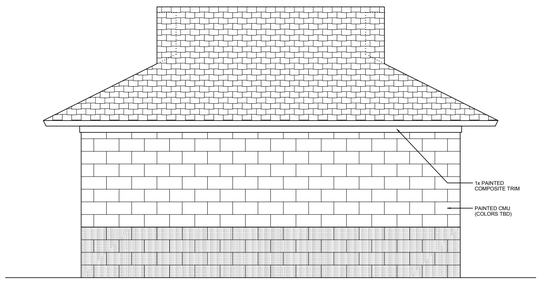
4 REFLECTED CEILING PLAN
Scale: 3/16" = 1'-0"



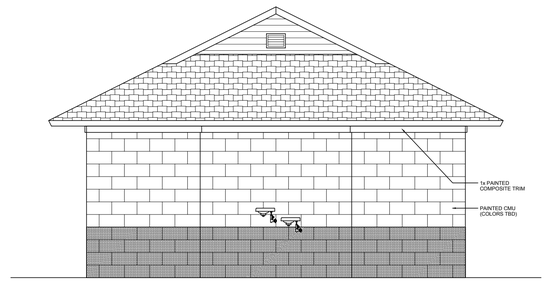
5 FOUNDATION PLAN
Scale: 3/16" = 1'-0"



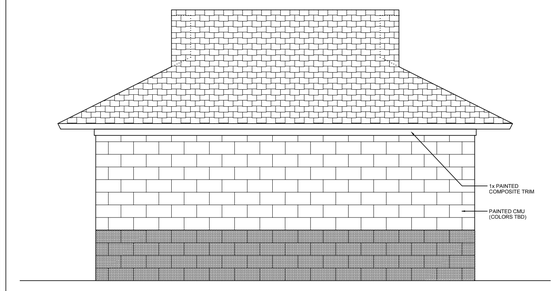
6 NORTH ELEVATION
Scale: 1/4" = 1'-0"



7 WEST ELEVATION
Scale: 1/4" = 1'-0"



8 SOUTH ELEVATION
Scale: 1/4" = 1'-0"



9 EAST ELEVATION
Scale: 1/4" = 1'-0"

SOUTHWEST SPORTS COMPLEX
RESTROOM FACILITIES

RESTROOM BUILDING
STRUCTURAL DRAWINGS

ESCAMBIA COUNTY FLORIDA

FABRE ENGINEERING, INC.
ENGINEERS ♦ PLANNERS ♦ SURVEYORS
109 GREGORY SQUARE PENSACOLA, FLORIDA 32502 TEL 850.433.6438 FAX 850.434.7842

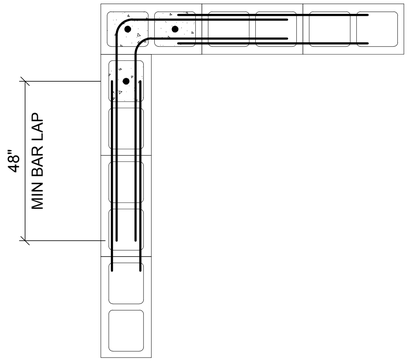
DRAWN BY:	JOSHUA D. HUBER, PE	CHECKED BY:	FRANK J. FABRE, PE
DESIGNED BY:	JOSHUA D. HUBER, PE	REG. FLA. ENG. NO.:	73091
DATE:	06/07/2016	DATE:	06/07/2016
PROJECT MANAGER:	GEORGE BUSH	DISTRICT:	1
FIELD BOOK / PAGES:	-----	SECTION / TOWNSHIP / RANGE:	SEC. 27, T-2-S, R-31-W
		SIGNATURE:	

NUMBER	REVISIONS	DATE	APPROVED BY

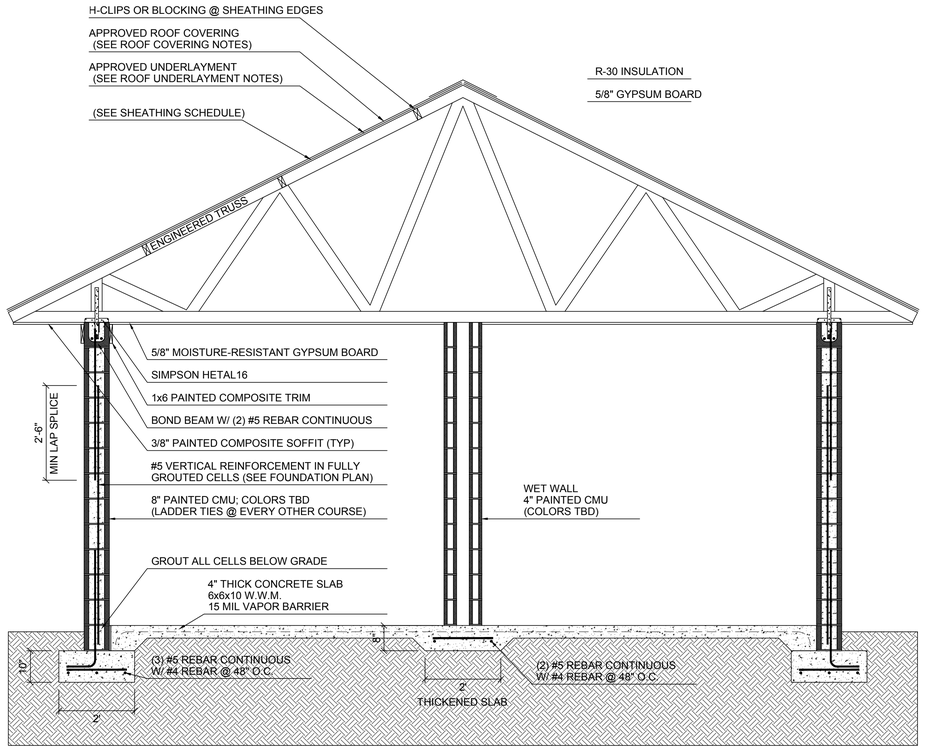
DRAWING NUMBER	S-201
PROJECT NUMBER	160026
SURVEY NUMBER	160026
SHEET	08 OF 12

TYPICAL FASTENER SCHEDULE		
CONNECTION	FASTENING	LOCATION
JOIST TO SILL OR GIRDER	3-8D COMMON	TOENAIL
BRIDGING TO JOIST	2-8D COMMON	TOENAIL EACH END
SOLE PLATE TO JOIST OR BLOCKING	16D @ 16" O.C.	TYPICAL FACE NAIL
SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANEL	3-16D @ 16" O.C.	BRACED WALL PANELS
TOP PLATE TO STUD	2-16D COMMON	END NAIL
STUD TO SOLE PLATE	4-8D COMMON	TOENAIL
	2-16D COMMON	END NAIL
DOUBLE STUDS	16D @ 24" O.C.	FACE NAIL
DOUBLE TOP PLATES	16D @ 16" O.C.	TYPICAL FACE NAIL
	8-16D COMMON	LAP SPLICE
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3-8D COMMON	TOENAIL
BLOCKING BETWEEN STUDS	3-8D COMMON	TOENAIL
	2-16D COMMON	END NAIL
RIM JOIST TO TOP PLATE	8D @ 6" O.C.	TOENAIL
TOP PLATES, LAPS, AND INTERSECTIONS	2-16D COMMON	FACE NAIL
CONTINUOUS HEADER, TWO PIECES	16D COMMON	16" O.C. ALONG EDGE
CEILING JOISTS TO PLATE	3-8D COMMON	TOENAIL
CONTINUOUS HEADER TO STUD	4-8D COMMON	TOENAIL
CEILING JOISTS, LAPS OVER PARTITIONS	3-16D COMMON	FACE NAIL
CEILING JOISTS TO PARALLEL RAFTERS	3-16D COMMON	FACE NAIL
RAFTER TO PLATE	3-8D COMMON	TOENAIL
1" DIAGONAL BRACE TO EACH STUD AND PLATE	2-8D COMMON	FACE NAIL
1x8 SHEATHING TO EACH BEARING	3-8D COMMON	FACE NAIL
WIDER THAN 1x8 SHEATHING TO EACH BEARING	3-8D COMMON	FACE NAIL
BUILT-UP CORNER STUDS	16D COMMON	24" O.C.
BUILT-UP GIRDER AND BEAMS	20D COMMON @ 32" O.C.	FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES
	2-20D COMMON	FACE NAIL AT ENDS AND AT EACH SPLICE
2" PLANKS	16D COMMON	AT EACH BEARING
COLLAR TIE TO RAFTER	3-10D COMMON	FACE NAIL
JACK RAFTER TO HIP	3-10D COMMON	TOENAIL
	2-16D COMMON	FACE NAIL
ROOF RAFTER TO 2x__ RIDGE BEAM	2-16D COMMON	TOENAIL
	2-16D COMMON	FACE NAIL
JOIST TO BAND JOIST	3-16D COMMON	FACE NAIL
LEDGER STRIP	3-16D COMMON	FACE NAIL AT EACH JOIST

NOTES: FASTENER SCHEDULE SHALL BE MINIMUM REQUIREMENTS FOR EACH TYPE OF CONNECTION UNLESS NOTED OTHERWISE IN PLANS.

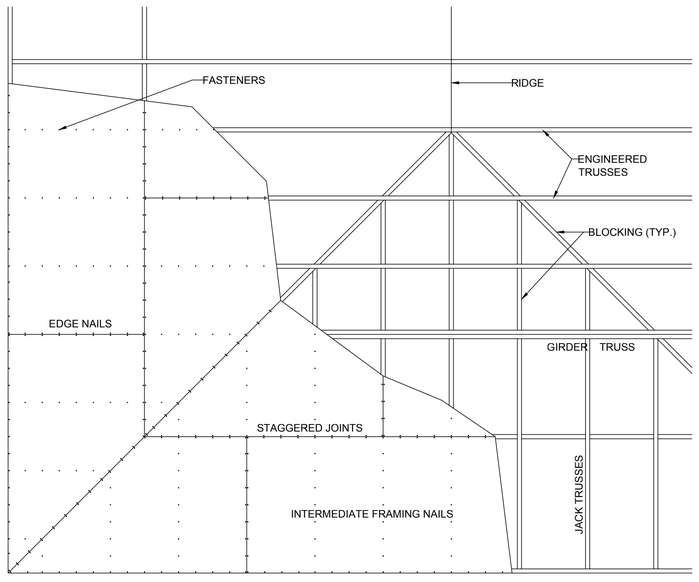


1 CMU WALL INTERSECTIONS
Scale: 1" = 1'-0"



4 STANDARD WALL SECTION
Scale: 1/2" = 1'-0"

ROOF COMPONENTS COMPLIANCE STANDARDS	
ASPHALT SHINGLES	ASTM D 225 -OR- D 3462
UNDERLAYMENT (ROOF SLOPE = 2:12 - 4:12)	ASTM D 4869 TYPE II -OR- TYPE IV
UNDERLAYMENT (ROOF SLOPE ≥ 4:12)	ASTM D 4869 TYPE IV
SELF ADHERING POLYMER MODIFIED BITUMEN SHEET	ASTM D 1970
NAILS	ASTM F 1667
WOOD SCREWS	ANSI/ASME B 18.6.1
CORROSION RESISTANCE (FASENTERS)	ASTM A 641 CLASS I
CORROSION RESISTANCE (CLIPS)	0.90 OZ/FT² ASTM A 90/A 90M

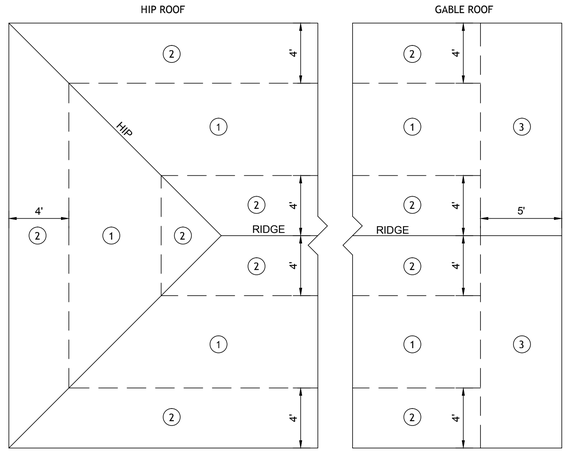


2 HIP ROOF PANEL BLOCKING
Not to Scale

NOTES: 1) ATTACH PER ROOF SHEATHING ZONE TABLES.
2) USE SHEATHING SPECIFIED IN SHEATHING FASTENER SCHEDULE.

AREA	CONNECTION
ROOF SHEATHING	7/16", 1/2" PLYWOOD (SPAN RATING = 24/16)

SP#2 ROOF FRAMING			
ZONE	EDGE NAIL	FIELD NAIL	NAIL TYPE
1	4" O.C.	12" O.C.	8D ANNULAR RING-SHANK
2	6" O.C.	6" O.C.	
3	6" O.C.	6" O.C.	



3 ROOF SHEATHING ZONES
Not to Scale

GENERAL FLASHING NOTES:
1. FLASHING SHALL BE INSTALLED IN A MANNER THAT PREVENTS MOISTURE FROM ENTERING THE WALL AND ROOF THROUGH JOINTS IN COPINGS, THROUGH MOISTURE PERMEABLE MATERIALS, AND AT INTERSECTIONS WITH PARAPET WALLS AND OTHER PENETRATIONS THROUGH THE ROOF PLANE.
2. FLASHINGS SHALL BE INSTALLED AT WALL AND ROOF INTERSECTIONS, WHEREVER THERE IS A CHANGE IN ROOF SLOPE OR DIRECTION, AND AROUND ROOF OPENINGS.

GENERAL FASTENER NOTES:
1. NAILS SHALL BE CORROSION-RESISTANT.
2. METAL OR PLASTIC CAP NAILS SHALL HAVE A HEAD DIAMETER OF NOT LESS THAN 1 INCH WITH A THICKNESS OF AL LEAST 32-GAUGE SHEET METAL.

GENERAL ASPHALT SHINGLE NOTES:
1. ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.
2. ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF 2:12 OR GREATER.
3. FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVNIZED STEEL, MINIMUM 12 GAGE (0.105 INCH) SHANK WITH A MINIMUM ⅜" DIAMETER HEAD.
4. FASTENERS SHALL BE OF LENGTH TO PENETRATE THROUGH THE ROOFING MATERIALS AND A MINIMUM OF ¾" INTO THE ROOF SHEATHING. WHERE ROOF SHEATHING IS LESS THAN ¾" THICK, THE FASTENERS SHALL PENETRATE THROUGH THE SHEATHING.
5. SATURATED FELT UNDERLAYMENT (ROOF SLOPE = 2:12 - 4:12)
   - TWO LAYERS REQUIRED
   - 19-INCH WIDE STRIP PARALLEL TO AND STARTING AT EAVES, FASTENED SUFFICIENTLY TO HOLD IN PLACE
   - 36-INCH WIDE STRIP OVERLAPPING SUCCESSIVE SHEETS 19 INCHES.
   - FASTEN WITH 1-INCH ROUND PLASTIC CAP NAILS
   - FASTENER SPACING IN THE FIELD OF THE SHEET SHALL BE ONE ROW A MAXIMUM OF 12" O.C.
   - FASTENER SPACING AT THE OVERLAPS SHALL BE ONE ROW WITH A MAXIMUM FASTENER SPACING OF 6" O.C.
8. SATURATED FELT UNDERLAYMENT (ROOF SLOPE ≥ 4:12)
   - ONE LAYER REQUIRED
   - APPLY IN SHINGLE FASHION
   - INSTALL STARTING FROM THE EAVE AND LAPPED 2- INCHES
   - FASTEN WITH 1-INCH ROUND PLASTIC CAP NAILS
   - FASTENER SPACING IN THE FIELD OF THE SHEET SHALL BE TWO STAGGERED ROWS WITH A MAXIMUM FASTNER SPACING OF 12" O.C.
   - FASTENER SPACING AT THE OVERLAPS SHALL BE ONE ROW WITH A MAXIMUM FASTNER SPACING OF 6" O.C.
9. SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET UNDERLAYMENT (ALL ROOF SLOPES)
   - AS AN ALTERNATIVE TO SATURATED FELT UNDERLAYMENT, THE ENTIRE ROOF DECK MAY BE COVERED WITH AN APPROVED SELF-ADHERING UNDERLAYMENT INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
10. DRIP EDGE SHALL BE PROVIDED AT EAVES AND GABLES
    - OVERLAP SHALL BE A MINIMUM OF 3".
    - EAVE DRIP EDGES SHALL EXTEND ½" BELOW SHEATHING AND EXTEND BACK ON THE ROOF A MINIMUM OF 2".
    - DRIP EDGE AT EAVES SHALL BE PERMITTED TO BE INSTALLED EITHER OVER OR UNDER THE UNDERLAYMENT. IF INSTALLED OVER THE UNDERLAYMENT, THERE SHALL BE A MINIMUM 4" WIDTH OF ROOF CEMENT INSTALLED OVER THE DRIP EDGE FLANGE.
    - DRIP EDGE SHALL BE MECHANICALLY FASTENED A MAXIMUM OF 4" O.C.

SOUTHWEST SPORTS COMPLEX
RESTROOM FACILITIES

RESTROOM BUILDING
STRUCTURAL DRAWINGS

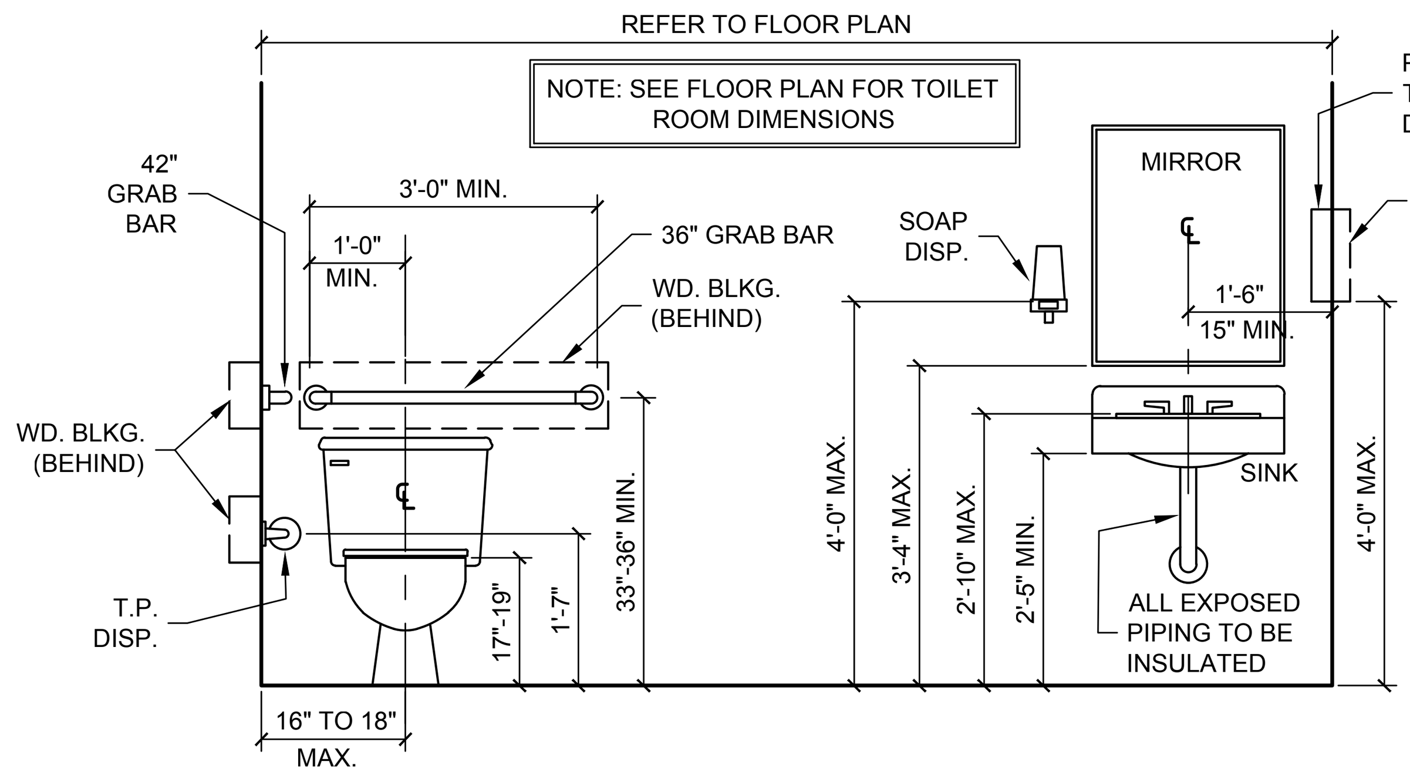
ESCAMBIA COUNTY FLORIDA

FABRE ENGINEERING, INC.
ENGINEERS ♦ PLANNERS ♦ SURVEYORS
119 GREGORY SQUARE PENSACOLA, FLORIDA 32502 TEL 850.433.6458 FAX 850.434.7842

DRAWN BY:	JOSHUA D. HUBER, PE	CHECKED BY:	FRANK J. FABRE, PE
DESIGNED BY:	JOSHUA D. HUBER, PE	REG. FLA. ENG. NO.:	73091
DATE:	06/07/2016	DATE:	06/07/2016
FIELD BOOK / PAGES:	----	PROJECT MANAGER:	GEORGE BUSH
		DISTRICT:	1
		SECTION / TOWNSHIP / RANGE:	SEC. 27, T-2-S, R-31-W
		SIGNATURE:	

NUMBER	REVISIONS	DATE	APPROVED BY

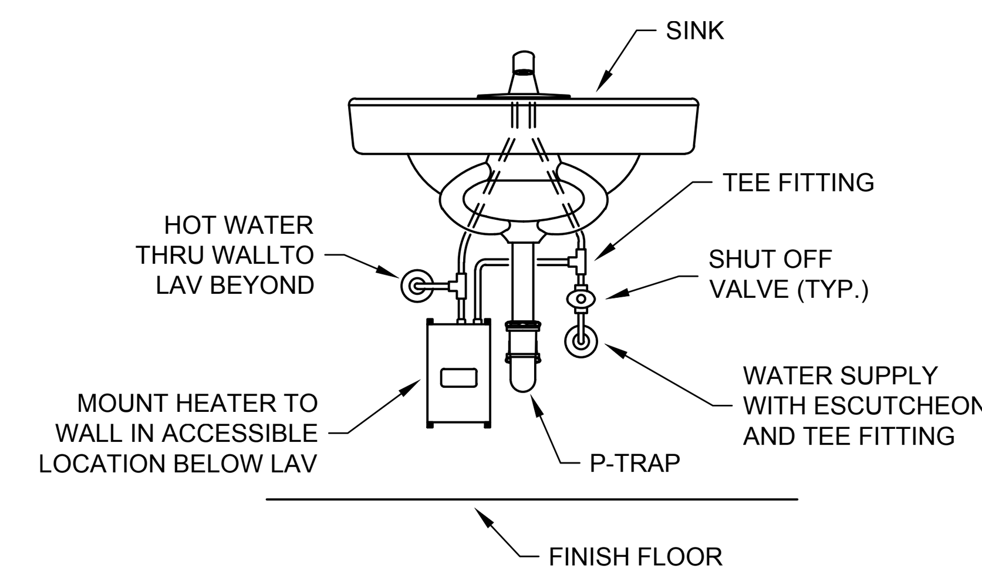
DRAWING NUMBER	S-301
PROJECT NUMBER	160026
SURVEY NUMBER	160026
SHEET	09 OF 12



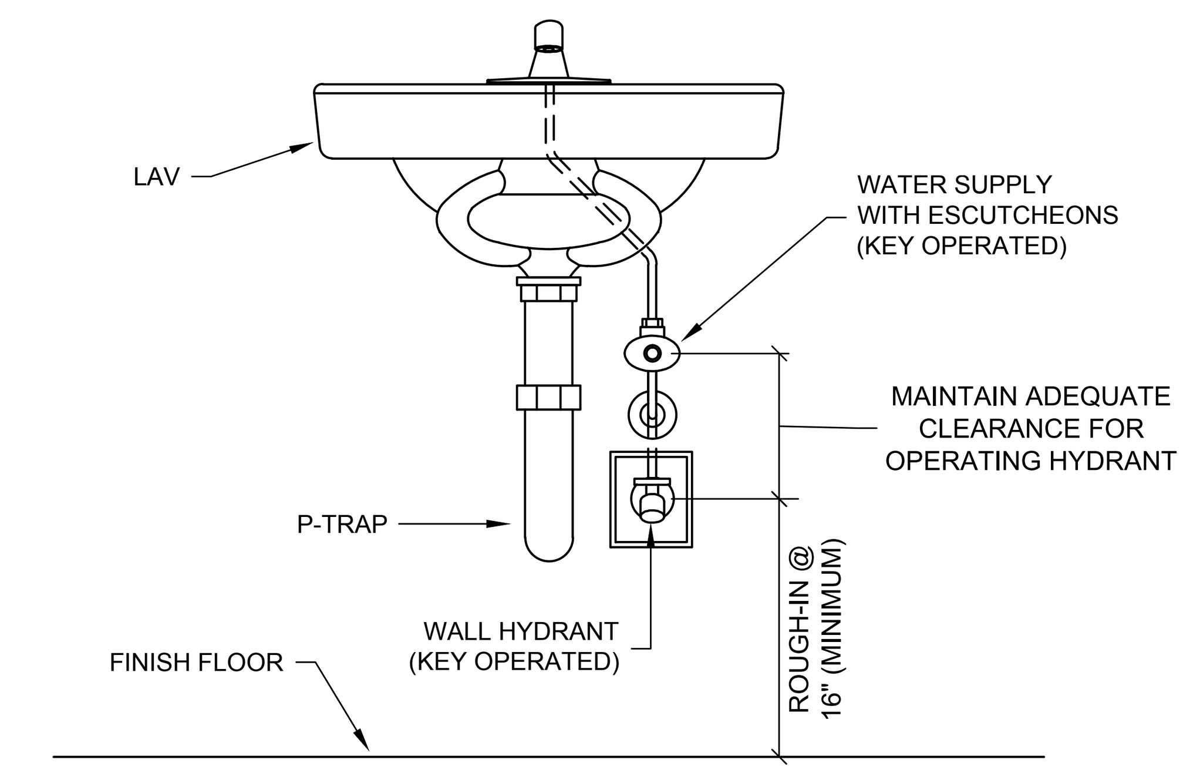
ABBREVIATION KEY:

MIN.	MINIMUM
MAX.	MAXIMUM
WD. BLKG.	WOOD BLOCKING
T.P.	TOILET PAPER
DISP.	DISPENSER

1 ACCESSIBLE MOUNTING HEIGHTS
Scale: 1/2" = 1'-0"

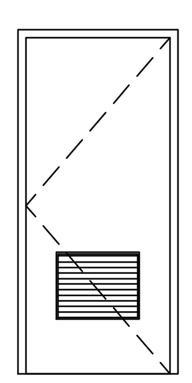


3 IWH INSTALLATION DETAIL
Scale: None



4 TYPICAL WALL HYDRANT MOUNTING DETAIL
Scale: None

DOOR TYPES



A
LOUVER

DOOR NOTES

1. CONTRACTOR TO VERIFY ALL DOOR STYLES, DOOR AND FRAME MATERIALS, AND HARDWARE WITH OWNER.
2. PROVIDE LEVEL STYLE HARDWARE, TYP.
3. PROVIDE DOOR STOPS, BUMPERS, THRESHOLDS AND WEATHERSTRIPS FOR ALL DOORS AS REQUIRED.
4. PROVIDE KEYED DEADBOLT WITH THUMB LATCH INTERIOR.

DOOR SCHEDULE

MARK	TYPE MARK	WIDTH	HEIGHT	THICKNESS	DOOR MATERIAL	FRAME MATERIAL	CLOSER
1	A	3'-0"	7'-0"	2"	HM	HM	YES
2	A	3'-0"	7'-0"	2"	HM	HM	YES

FINISHES

FLOOR AND BASE FINISHES
CONCRETE: PREP CONCRETE SLAB AND SEAL W/ (2) PART URETHANE-BASED EPOXY.

WALL FINISHES
PAINT 1: TO BE DETERMINED
PAINT 2: TO BE DETERMINED

PRIME BLOCK W/ ACRYLIC BLOCK FILLER; FINISH WITH (2) COATS LATEX PAINT EQUAL TO SHERWIN WILLIAMS A-100 EXTERIOR LATEX SATIN.

TRIM FINISHES
ALL WOOD TRIM TO BE "PAINT 2"

ABBREVIATION KEY

CMU	CONCRETE MASONRY UNIT, PAINTED
HM	HOLLOW METAL
MRGWB	MOISTURE RESISTANT GYPSUM WALL BOARD
WD	WOOD
CONC	CONCRETE
TBD	TO BE DETERMINED
TYP.	TYPICAL
W/	WITH

WALL FINISH KEY

NUMBER	NAME	FLOOR FINISH	BASE FINISH	NORTH COLOR	EAST COLOR	SOUTH COLOR	WEST COLOR	CEILING COLOR
101	MEN'S BATHROOM	CONCRETE	-	PAINT 1	PAINT 1	PAINT 1	PAINT 1	PAINT 1
102	WOMEN'S BATHROOM	CONCRETE	-	PAINT 1	PAINT 1	PAINT 1	PAINT 1	PAINT 1

ROOM FINISH SCHEDULE

NAME	FLOOR FINISH	BASE FINISH	NORTH MATERIAL	EAST MATERIAL	SOUTH MATERIAL	WEST MATERIAL	CEILING FINISH	CEILING HEIGHT
MEN'S BATHROOM	CONCRETE	-	CMU	CMU	CMU	CMU	MRGWB	8'-0"
WOMEN'S BATHROOM	CONCRETE	-	CMU	CMU	CMU	CMU	MRGWB	8'-0"

2 DOOR AND FINISH SCHEDULES
Not to Scale

SOUTHWEST SPORTS COMPLEX
RESTROOM FACILITIES

RESTROOM BUILDING
STRUCTURAL DRAWINGS

ESCAMBIA COUNTY FLORIDA

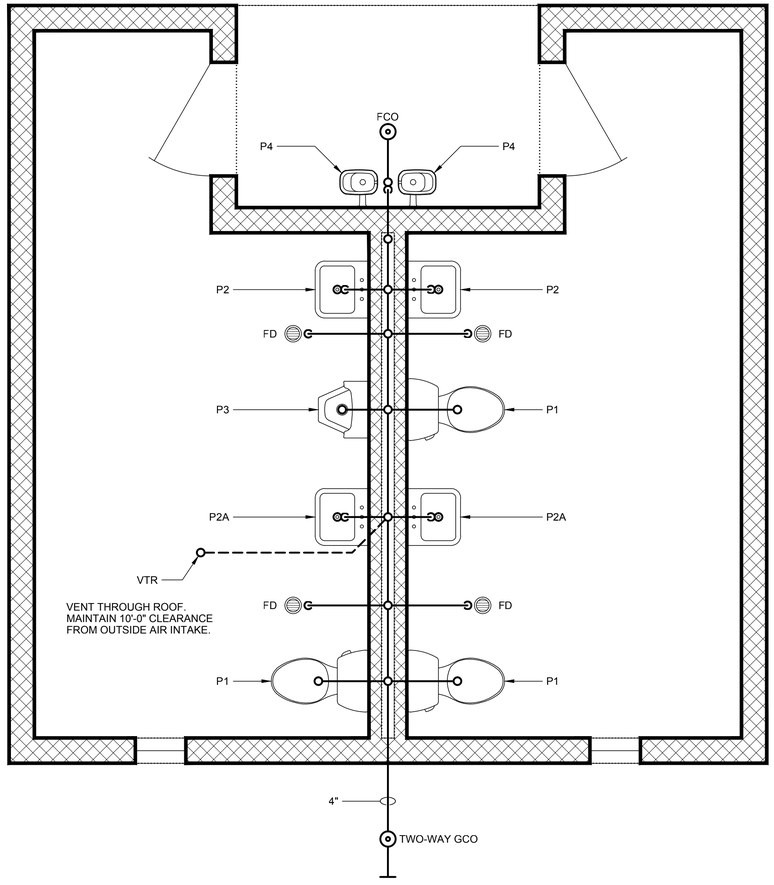
FABRE ENGINEERING, INC.
ENGINEERS ◆ PLANNERS ◆ SURVEYORS
119 GREGORY SQUARE PENSACOLA, FLORIDA 32502 TEL:850 433 6438 FAX:850 434 7842

DRAWN BY: JOSHUA D. HUBER, PE	DESIGNED BY: JOSHUA D. HUBER, PE	CHECKED BY: FRANK J. FABRE, PE	REG. FLA. ENG. NO.: 73091
DATE: 06/07/2016	PROJECT MANAGER: GEORGE BUSH	DISTRICT: 1	DATE: 06/07/2016
FIELD BOOK / PAGES: ----		SECTION / TOWNSHIP / RANGE: SEC. 27, T-2-S, R-31-W	SIGNATURE:

NUMBER	REVISIONS	DATE	APPROVED BY

DRAWING NUMBER	**S-401**
PROJECT NUMBER	160026
SURVEY NUMBER	160026
SHEET	**10** OF 12

SANITARY WASTE PIPING
SANITARY WASTE VENT PIPING
PIPING TURNED DOWN
PIPING TURNED UP
P-TRAP
CLEANOUT
END OF BUILDING PLUMBING. SEE CIVIL FOR CONTINUATION.
FD FLOOR DRAIN WITH TRAP PRIMER
VTR VENT THROUGH ROOF
P# PLUMBING FIXTURE NUMBER. SEE SCHEDULE.



1 SANITARY WASTE PLAN
Scale: 1/2" = 1'-0"

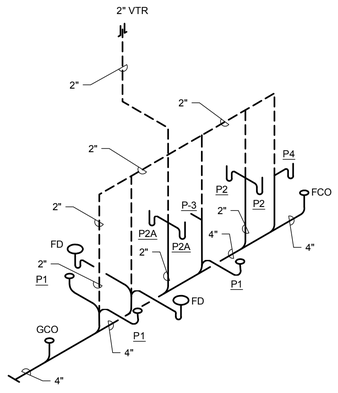
PLUMBING FIXTURE SCHEDULE

LABEL	FIXTURE TYPE	MAKE & MODEL	CONNECTIONS			REMARKS
			WASTE	CW	HW	
P1	FLUSH TANK WATER CLOSET	KOHLER K-3505-T KOHLER K-3493-T (HC)	3"	1/2"	-	VIT. CHINA, WHITE, 2-PIECE, ELONGATED BOWL, 1.6 GPF, FLOOR MOUNTED TANK
P2	WALL MOUNTED LAVATORY	KOHLER K-2084	1-1/2" x 1-1/4"	1/2"	1/2"	VIT. CHINA, WHITE, WALL MOUNT, KOHLER K15261-4-G SINGLE LEVER FAUCET, CHROME SUPPLIES, OFFSET P-TRAP, GRID DRAIN
P2A	WALL MOUNTED LAVATORY	KOHLER K-2084	1-1/2" x 1-1/4"	1/2"	1/2"	VIT. CHINA, WHITE, WALL MOUNT, MOEN 8279 MANUAL FAUCET WITH WRISTBLADE HANDLES & GOOSENECK FAUCET, OFFSET P-TRAP, GRID STRAINER (HC)
P3	FLUSH VALVE URINAL	KOHLER K-4094-ET	2"	1/2"	-	VIT. CHINA, WHITE, WALL MOUNT W/ WALL HANGERS, TOP SPUD, SLOAN LOW CONSUMPTION FLUSH VALVE, 0.125 GPF (HC)
P4	DRINKING FOUNTAIN (HC)	ELKAY VRCTLFRDDSC	1-1/4"	1/2"	-	SELF CONTAINED, HI-LO, 8.0 GPH CAPACITY (90° AMB. AIR), 5 FULL LOAD AMPS, 575 RATED WATT USAGE, FROST RESISTANT, POWDERCOATED FINISH
FCO	FLOOR CLEANOUT	SIOUX CHIEF 834	4"	-	-	CAST IRON BODY, SLEEVE AND HEAD ADAPTER, ADJUSTABLE HEIGHT, NICKEL BRONZE COVER
GCO	GRADE CLEANOUT	SIOUX CHIEF 851	4"	-	-	CAST IRON BODY & COVER
FD	FLOOR DRAIN	SIOUX CHIEF 833-23NR	3"	-	-	CAST IRON BASE, ABS CLAMPING COLLAR, BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR, NICKEL BRONZE STRAINER AND TRAP PRIMER CONNECTION.
TPV	TRAP PRIMER	SIOUX CHIEF 695-01	-	1/2"	-	BRASS PLATED BODY, 1/2" WATER CONNECTION, DEBRIS SCREEN, PROVIDE WITH DISTRIBUTION UNIT IF SERVING MORE THAN ONE TRAP.
WH	WALL HYDRANT	ZURN 1334	-	3/4"	-	FLUSH MOUNTED BRONZE WALL HYDRANT, 3/4" WATER CONNECTION, INTEGRAL VACUUM BREAKER, KEY OPERATED.

WATER HEATER SCHEDULE

LABEL	GAL.	MODEL	ELECTRICAL DATA				NOTES
			VOLTS	PHASE	HZ	INPUT	
IWH	-	RHEEM RTE-3	120	1	60	3.0 KW	POINT-OF-USE TANKLESS

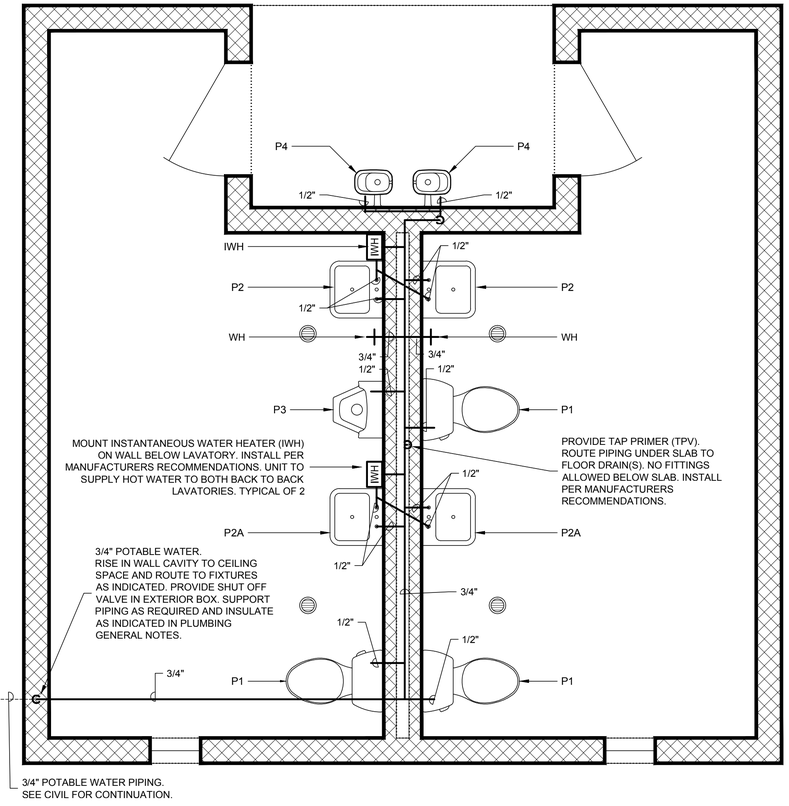
1. VERIFY EXACT PLUMBING FIXTURE ROUGH-IN AND FINAL HVAC REQUIREMENTS IN THE FIELD.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS TO PLUMBING FIXTURES. THIS REPSONSIBILITY INCLUDES, BUT IS NOT LIMITED TO, FURNISHING AND INSTALLING ALL TRAPS, DRAINS, AND SUPPLIES WITH STOPS. FURNISH AND INSTALL PLUMBING FIXTURES INDICATED OR SPECIFIED, COMPLETE WITH ALL EQUIPMENT, FITTINGS, TRIM, AND ACCESSORITES INDICATED OR SPECIFIED. EXPOSED WATER PIPING TO FIXTURES SHALL BE CHROME-PLATED BRASS, IPS. ADJUST WATER FLOW THROUGH ALL FIXTURES TO PROVIDE PROPER FLUSHING ACTION WITH THE LEAST AMOUNT OF WATER.
3. ALL ITEMS PROJECTING THROUGH THE ROOF SHALL BE FLASHED A MINIMUM OF 12" ABOVE THE ROOF. ALL VENTS SHALL BE A MINIMUM OF 10 FEET FROM ANY OUTSIDE AIR INTAKE.
4. ALL FLOOR DRAINS SHALL HAVE A 6" DEEP SEAL AND TRAPS WITH TRAP PRIMERS AS REQUIRED BY CODE. AN ACCESS PANEL MUST BE INSTALLED IF THE TRAP PRIMER FITTING IS LOCATED INSIDE A WALL OR ABOVE A HARD CEILING. CONTRACTOR TO ENSURE THAT EACH TRAP PRIMER VALVE IS CLEANED AND FREE OF DEBRIS JUST PRIOR TO PROJECT COMPLETION. FLUSH STRAINER FLOOR DRAINS SHALL BE CAST BRONZE OR NICKEL BRONZE STRAINER WITH ADJUSTABLE COLLAR AND DOUBLE DRAINAGE FLANGE.
5. FLOOR CLEANOUTS SHALL BE ADJUSTABLE HEIGHT POLISHED BRONZE, NICKEL BRONZE WITH "CO" CAST INTO THE FLOOR PLATE.
6. PROVIDE DIELECTRIC UNIONS AT ALL DISSIMILAR METAL CONNECTIONS.
7. INSULATE ALL WATER PIPING. DOMESTIC WATER PIPE NOT EXPOSED TO VIEW SHALL BE INSULATED WITH 3/4" THICK GLASS FIBER WITH FACTORY APPLIED UNIVERSAL JACKET. FITTINGS SHALL BE INSULATED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. INSULATION VAPOR BARRIER SHALL BE LAPPED AND CEMENTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. DOMESTIC WATER PIPE EXPOSED TO VIEW SHALL BE INSULATED SAME AS WHERE NOT EXPOSED TO VIEW, EXCEPT IT SHALL BE FINISHED WITH A SIZED UNIVERSAL JACKET SUITABLE FOR PAINTING. FITTING SHALL BE MADE OF "QUICKSET" CEMENT MOLDED TO FIT AND COVERED WITH 8 OS. CANVAS AND FINISHED WITH WHITE VAPOR BARRIER CEMENT, AND HAVE PLASTIC MOLDED FITTING COVERS. INSULATE DOMESTIC WATER AND WASTE PIPING UNDER HANDICAP LAVATORIES AND SINKS USING "LAVGUARD E-Z SERIES" MOLDED VINYL PIPING COVERS. COVER ALL PIPING, FITTINGS, VALVES, AND TRAPS EXPOSED TO VIEW.
8. ROUTE ALL PIPING AS TO CAUSE MINIMAL INTERFERENCE FOR MAINTENANCE OF ALL EQUIPMENT. UNLESS OTHERWISE NOTED, ALL DOMESTIC WATER PIPING SHALL BE ROUTED WITHIN CEILING SPACE. PIPING BELOW SLAB SHALL BE WITHOUT JOINTS AND TEES. PIPING PASSING THROUGH WALLS EXTENDING TO BOTTOM OF STRUCTURE SHALL BE SLEEVED AND SEALED. PROVIDE SHUTOFF VALVE TO EACH SILLCOCK WITH VALVE IDENTIFICATION AS REQUIRED BY CODE.
9. BEFORE FINAL ACCEPTANCE OF THE WORK, TEST EACH SYSTEM AS IN SERVICE TO DEMONSTRATE COMPLIANCE WITH FLORIDA PLUMBING CODE AND LOCAL CODE REQUIREMENTS. ONCE TESTS ARE IN COMPLIANCE WITH CONTRACT REQUIREMENTS, DISINFECT WATER SYSTEM IN ACCORDANCE WITH AWWA C651. PROVIDE A COPY OF TEST RESULTS TO ENGINEER OF RECORD.
10. CONTRACTOR SHALL VERIFY ALL WASTE AND WATER SUPPLY PIPE SIZES, LOCATIONS, INVERTS, AND DIRECTIONS OF FLOW WITH THE CIVIL DRAWINGS, SITE UTILITIES CONTRACTOR, AND EXISTING CONDITIONS PRIOR TO BEGINNING ANY NEW WORK. ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND ACTUAL CONDITIONS SHALL BE REPORTED TO THE ENGINEER OF RECORD.
11. PIPE HANGERS AND SUPPORTS SHALL BE MSS SP-58 AND MS SP-69, TYPE 1 OR 6, OF THE ADJUSTABLE TYPE, EXCEPT AS INDICATED OTHERWISE.
12. LABEL ALL WATER SERVICE VALVES IN ACCORDANCE WITH APPLICABLE CODES.
13. ROUTE SANITARY PIPING AS TO AVOID CONFLICT WITH FOOTINGS AND STRUCTURAL MEMBERS.
14. CLEARANCES SHALL BE COORDINATED PRIOR TO INSTALLATION. PROVIDE COORDINATION DRAWINGS SHOWING HVAC, PLUMBING, STRUCTURAL, AND ELECTRICAL COMPONENTS FOR REVIEW. FAILURE TO PROVIDE COORDINATION DRAWINGS SHALL BE AT THE CONTRACTOR'S RISK. REWORK OF INSTALLED SYSTEMS CAUSED BY COORDINATION FAILURE SHALL BE AT NO ADDITIONAL COST TO THE OWNER.



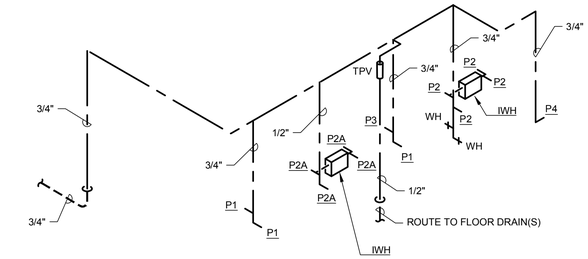
2 WASTE RISER
Not to Scale

WINTERIZING NOTES:

1. CONTRACTOR TO PROVIDE HEAT TRACING AND JACKETED INSULATION ON ALL PORTIONS OF ABOVE GRADE POTABLE WATER.
2. ESCAMBIA COUNTY PARKS AND RECREATION DEPARTMENT'S WILL ENSURE ALL WATER CLOSETS ARE DRAINED/EMPTIED PRIOR TO ANY FORECASTED HARD FREEZES.



3 WATER SUPPLY PLAN
Scale: 1/2" = 1'-0"



4 SUPPLY RISER
Not to Scale

SOUTHWEST SPORTS COMPLEX
RESTROOM FACILITIES

RESTROOM BUILDING
PLUMBING DRAWINGS

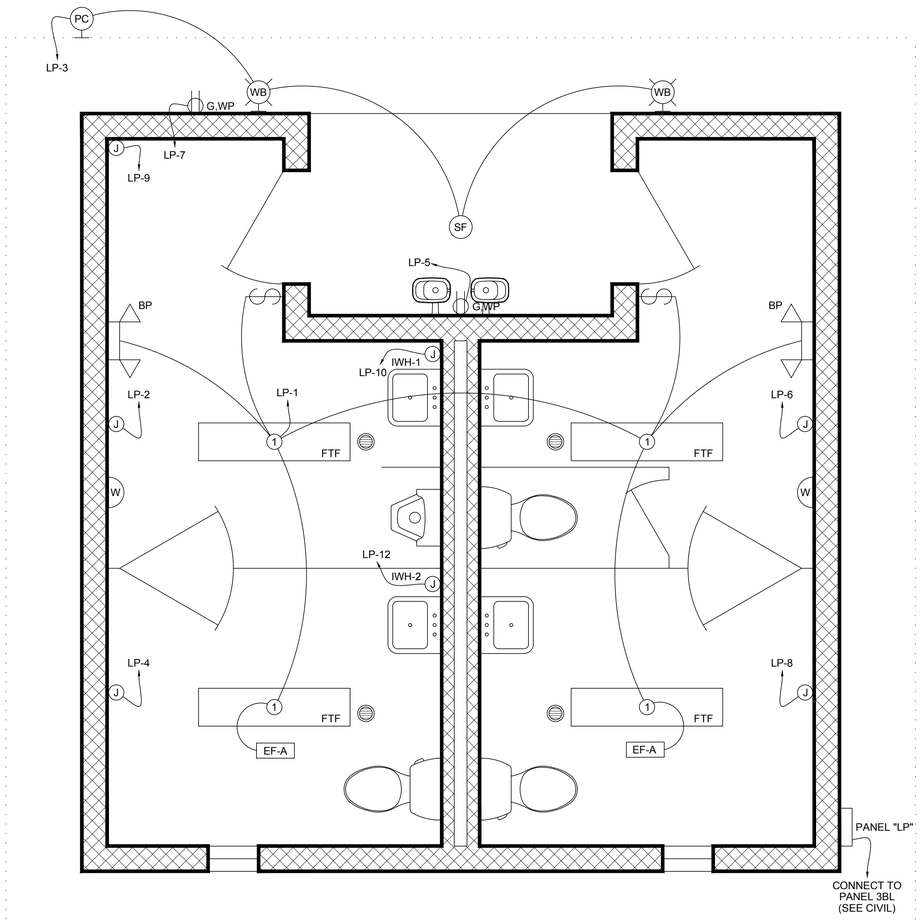
ESCAMBIA COUNTY FLORIDA

FABRE ENGINEERING, INC.
ENGINEERS ♦ PLANNERS ♦ SURVEYORS
119 GREGORY SQUARE PENSACOLA, FLORIDA 32502 TEL 850.433.6438 FAX 850.434.7842

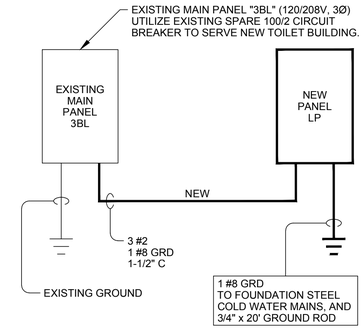
DRAWN BY:	JOSHUA D. HUBER, PE	CHECKED BY:	FRANK J. FABRE, PE
DESIGNED BY:	JOSHUA D. HUBER, PE	REG. FLA. ENG. NO.:	73091
DATE:	06/07/2016	DISTRICT:	1
PROJECT MANAGER:	GEORGE BUSH	SECTION / TOWNSHIP / RANGE:	SEC. 27, T-2-S, R-31-W
FIELD BOOK / PAGES:	-----	SIGNATURE:	

NUMBER	REVISIONS	DATE	APPROVED BY

DRAWING NUMBER	P-101
PROJECT NUMBER	160026
SURVEY NUMBER	160026
SHEET	11 OF 12



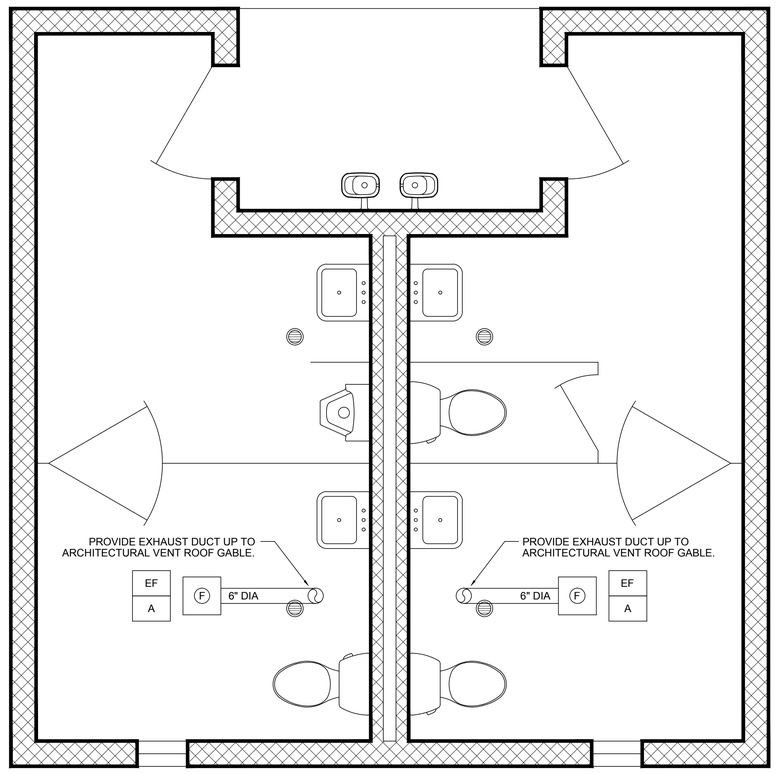
1 ELECTRICAL LAYOUT
Scale: 1/2" = 1'-0"



2 POWER RISER
Not to Scale

- FTF 1 — NOMINAL 1' x 4' FLOURESCENT LIGHT FIXTURE, CIRCUIT 1, MARK FTF (TYPICAL)
- WM — WALL MOUNTED COMPACT FLOURESCENT LIGHT FIXTURE
- SF — SURFACE MOUNTED COMPACT FLOURESCENT LIGHT FIXTURE
- EMERGENCY LIGHT FIXTURE WITH BATTERY PACK
- $ — SINGLE POLE LIGHTING SWITCH MOUNT 46" A.F.F.
- PC — PHOTOCELL
- DUPLEX RECEPTICLE, MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- G — GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE, MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- G,WP — GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE WITH WEATHERPROOF COVER
- PANEL — SURFACE MOUNTED LIGHTING AND APPLIANCE PANELBOARD
- NON-FUSED DISCONNECT SWITCH
- CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALLS
- CONDUIT RUN BELOW GRADE OR SLAB
- HOMERUN TO PANELBOARD ANY CIRCUIT WITHOUT FURTHER DESIGNATION
  2#12, 1#12 GRD 1/2"C, -ffh- 3#12, 1#12 GRD, 1/2"C, ETC.
- J — BLANK COVER WITH TAMPER-PROOF SCREWS ON JUNCTION BOX FOR FUTURE HAND DRYER AND 1/2" CONDUIT WITH PULL STRING ONLY, NO CIRCUIT WIRING
- W — WALL-MOUNTED OCCUPANCY SENSOR FOR LIGHTS

4 ELECTRIC LEGEND
Not to Scale



3 EXHAUST FAN LAYOUT
Scale: 1/2" = 1'-0"

LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER AND CATALOG No.	LAMPS No.	LAMPS TYPE	MOUNTING	REMARKS
BP	CHLORIDE #VU6LSD-PCS1	LED		WALL MOUNTED EMERGENCY LIGHT	PROVIDE WITH EMERGENCY BATTERY BACKUP AND POLYCARBONATE VANDAL SHIELD
FPF	CHLORIDE #VU6LSD-PCS1	2	F32	RECESSED, FLANGED	T8 LAMPS, ELECTRIC BALLAST, TAMPER RESISTANT DOOR, HIGH IMPACT 3/16" ACRYLIC LENS
SF	CHLORIDE #VU6LSD-PCS1	1	26W CFL	SURFACE	CLEAR PRISMATIC POLYCARBONATE LENS, VANDAL RESISTANT HIGH ABUSE RATED, WET LOCATION RATED
WB	CHLORIDE #VU6LSD-PCS1	1	42W CFL	WALL MOUNT AT MINIMUM OF 6'-8" A.F.F. TO BOTTOM OF FIXTURE	VANDAL RESISTANT POLYCARBONATE HOUSING & LENS

120/240 VOLT 1Ø 3W
100 AMP MAIN BREAKER

CIRCUIT BREAKER PANEL SCHEDULE
PANEL "LP"

SURFACE MOUNTED
NEMA 3R ENCLOSURE

CKT	LOAD DESCRIPTION	BREAKER POLE	BREAKER AMP	LOAD KVA		BREAKER AMP	BREAKER POLE	LOAD DESCRIPTION	CKT
1	LIGHTS - INTERIOR	1	20	0.28	1.85	20	1	HAND DRYER - MEN'S	2
3	LIGHTS - EXTERIOR	1	20	0.11	1.85	20	1	HAND DRYER - MEN'S	4
5	E.W.C.	1	20	0.60	1.85	20	1	HAND DRYER - WOMEN'S	6
7	RECEPTACLE - OUTSIDE	1	20	0.18	1.85	20	1	HAND DRYER - WOMEN'S	8
9	PIPING HEAT TRACE	1	20	0.30	3.0	35	1	IWH-1	10
11	SPARE	1	20		3.0	35	1	IWH-2	12
13	SPARE	1	20			20	1	SPARE	14
15	SPARE	1	20			20	1	SPARE	16
17									18
19									20
21									22
23									24

TOTAL CONNECTED LOAD = 14.87 KVA
MINIMUM INTERRUPTING CAPACITY = 10,000 AMPS SYMMETRICAL

EXHAUST FAN SCHEDULE

MARK		EF-A	NOTES
TYPE		1	1 CEF CEILING EXHAUST FAN
DRIVE		2	2 DD DIRECT DRIVE
SERVICE		3	3 EA EXHAUST AIR
INTERLOCKS		4	4 PROVIDE FAN WITH A GRILLE MOUNTED MOTION SENSOR FOR CONTROL OF FAN. FAN SHALL REMAIN ON FOR AN ADJUSTABLE AMOUNT OF TIME AFTER LOSS OF OCCUPANCY.
PERFORMANCE DATA	AIR FLOW CFM	100	
	EXT. STATIC PRESS. IN. W.C.	0.25	
	MAXIMUM RPM	1,050	5 PROVIDE FAN WITH SPEED CONTROLLER FOR AIR FLOW BALANCING. CONTROLLER SHALL SHIP LOOSE. CONTRACTOR SHALL MOUNT CONTROLLER WITHIN OR ON THE OUTSIDE OF THE FAN HOUSING.
	MAXIMUM SCONES	3	
ELECTRICAL DATA	MAXIMUM WATTS	150	
	VOLTS	120	
	PHASE	1	6 PROVIDE MANUFACTURER AND MODEL LISTED OR APPROVED EQUAL.
	Hz	60	
BASIS OF DESIGN MANUFACTURER		GREENCHECK SP-B150	
REMARKS		5,6	

SOUTHWEST SPORTS COMPLEX
RESTROOM FACILITIES

RESTROOM BUILDING
ELECTRICAL DRAWINGS

ESCAMBIA COUNTY FLORIDA

FABRE ENGINEERING, INC.
ENGINEERS ♦ PLANNERS ♦ SURVEYORS
119 GREGORY SQUARE PENSACOLA, FLORIDA 32502 TEL 850.433.6458 FAX 850.434.7842

DRAWN BY:	DESIGNED BY:	CHECKED BY:	REG. FLA. ENG. NO.:
JOSHUA D. HUBER, PE	JOSHUA D. HUBER, PE	FRANK J. FABRE, PE	73091
DATE:	PROJECT MANAGER:	DISTRICT	SIGNATURE:
06/07/2016	GEORGE BUSH	1	
FIELD BOOK / PAGES:		SECTION / TOWNSHIP / RANGE:	
-----		SEC. 27, T-2-S, R-31-W	

NUMBER	REVISIONS	DATE	APPROVED BY

DRAWING NUMBER **E-101**
PROJECT NUMBER 160026
SURVEY NUMBER 160026
SHEET **12** OF 12