

M:\15_2015 (15-25-36-53)
 M:\782010 CGCS-50' BOUNDARY & TOPOGRAPHIC SURVEY DWG\782010-BS.DWG



DESCRIPTION:
 THAT PORTION OF BLOCKS 13 AND 20, LYING EASTERLY OF STATE ROAD NO. 368, AND ALL OF BLOCK 19, PLAT OF CITY LOTS SITUATED IN THE EAST HALF OF THE NORTHWEST QUARTER OF SECTION 35, TOWNSHIP 3 SOUTH, RANGE 15 WEST, BAY COUNTY, FLORIDA ACCORDING TO THE PLAT RECORDED IN PLAT BOOK 4, PAGE 51, IN THE PUBLIC RECORDS OF BAY COUNTY, FLORIDA.

ALSO:
 BALTIMORE STREET VACATED BY ORDINANCE NUMBER 2423.

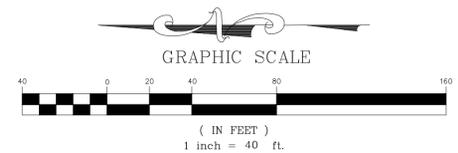
- SURVEYOR'S NOTES:**
- BEARINGS SHOWN HEREON ARE REFERENCED TO FLORIDA STATE PLANE COORDINATES, NORTH ZONE, NAD 1983/90, U.S. SURVEY FEET, BASED ON FDOT CONCRETE MONUMENT NUMBER 46-00-A03HV.
 - VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD 1988, BASED ON FDOT CONCRETE MONUMENT NUMBER 46-00-A03HV.
 - THIS SURVEY, MAP, AND REPORT IS NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
 - FLOOD NOTE: BY GRAPHIC PLOTTING ONLY; THE PROPERTY SHOWN HEREON LIES IN ZONE X (NO MINIMUM FLOOR ELEVATION REQUIRED) AS PER THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE RATE FOR BAY COUNTY, FLORIDA; SEE COMMUNITY PANEL NO. 120004 0336 H; WHICH BEARS A REVISED DATE OF JUNE 6, 2009.
 - SOURCE OF INFORMATION: PREVIOUS SURVEY BY BUCHANAN & HARPER, INC., JOB NUMBER 9272, DATED MAY 6, 2009, AND FIELD SURVEY.
 - NO TITLE SEARCH, TITLE OPINION OR ABSTRACT WAS PERFORMED BY, NOR PROVIDED TO PREBLE-RISH, INC., FOR THE SUBJECT PROPERTY. THERE MAY BE DEEDS OF RECORD, UNRECORDED DEEDS, EASEMENTS, ENCROACHMENTS, RIGHT-OF-WAYS, BUILDING SETBACKS, RESTRICTIVE COVENANTS OR OTHER INSTRUMENTS WHICH COULD AFFECT THE BOUNDARIES OR USE OF THE SUBJECT PROPERTY.
 - THE PROPERTY SURVEYED IS VACANT AND HEAVILY WOODED.
 - NO UNDERGROUND UTILITIES, UTILITY LINES, FOUNDATIONS, OR OTHER UNDERGROUND STRUCTURES HAVE BEEN LOCATED BY PREBLE-RISH, INC. TO LOCATE OR DETERMINE ENVIRONMENTAL WETLAND LINES, IF ANY EXIST.
 - NO ATTEMPT HAS BEEN MADE BY PREBLE-RISH, INC. TO LOCATE OR DETERMINE THERE MAY BE ADDITIONAL RESTRICTIONS NOT SHOWN ON THIS SURVEY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF BAY COUNTY, FLORIDA.
 - DATE OF FIELD SURVEY: FEBRUARY 20, 2015.

- SOURCE BENCHMARKS:**
- FOUND CONCRETE MONUMENT 46-00-A03HV - ELEVATION = 9.34'
 - FOUND CONCRETE MONUMENT 46-00-A06HV - ELEVATION = 13.44' (NOT GRAPHICALLY SHOWN)

- SITE BENCHMARKS:**
- SET NAIL & DISK NO. LB 7137 IN UTILITY POLE - ELEVATION = 9.74'
 - SET NAIL & DISK NO. LB 7137 IN UTILITY POLE - ELEVATION = 8.41'

SYMBOLS & ABBREVIATIONS:

- NO. = NUMBER
- INV. = INVERT
- L = ARC LENGTH
- R = RADIUS
- D = DELTA ANGLE
- CB = CHORD BEARING
- CH = CHORD LENGTH
- RCP = REINFORCED CONCRETE PIPE
- R/W = RIGHT OF WAY
- ⊗ = FOUND IRON ROD OR IRON PIPE
- ⊠ = FOUND CONCRETE MONUMENT
- ⊕ = TRAFFIC SIGN
- ⊙ = SANITARY SEWER MANHOLE
- ⊙ = TEMPORARY BENCHMARK
- ⊙ = UTILITY POLE
- ⊙ = SPOT ELEVATION AT "X"
- 10'- = CONTOUR ELEVATION AT 1' INTERVALS
- OHU = OVERHEAD UTILITY LINE
- ▨ = EXISTING ASPHALT PAVEMENT
- ▨ = EXISTING CONCRETE



| | | | | | |
|---|--|---|--|---|--|
| PREBLE-RISH INC | | CONSULTING ENGINEERS AND SURVEYORS | | CIVIL SURVEYING • SITE PLANNING | |
| 233 BURGESS PARKWAY PANAMA CITY, FL 32365 (850) 925-0000 | | 1400 NW MAN ST BRITTON, FL 32317 (850) 650-0771 | | 215 S. WASHINGTON ST SAINT AUGUSTINE, FL 32084 (850) 286-0000 | |
| BOUNDARY & TOPOGRAPHIC SURVEY GULF COAST STATE COLLEGE BAY COUNTY, FLORIDA | | PROJECT NO. 782.010 | | SHEET S1 | |
| SCALE: 1" = 40' | | DESIGNED: JF DRAWN: JF CHECKED: FCR DATE: 02/20/15 | | DATE SIGNED: FREDERICK C. MANVIN P.E.M. PROFESSIONAL SURVEYOR NUMBER FLORIDA LICENSE NO. 1588 | |
| UNLESS IT BEARS THE SIGNATURE AND SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER, THIS SURVEY, MAP, AND REPORT IS NOT VALID FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID. | | NO. DATE APPL. | | REVISION: | |

GENERAL NOTES:

- THE BENCHMARK DATUM USED FOR THE PLANS IS NAVD88.
- ANY PUBLIC LAND CORNER OR MONUMENT THAT PERPETUATES BAY COUNTY RIGHT OF WAY WITHIN THE PROJECT LIMITS IS TO BE PROTECTED BY THE CONTRACTOR. IF A MONUMENT IS IN DANGER OF BEING DESTROYED THE CONTRACTOR IS TO ENSURE THAT IT IS PROPERLY REFERENCED AND RESET PRIOR TO PROJECT COMPLETION. THE MONUMENTS SET SHALL MEET MINIMUM TECHNICAL STANDARDS AS DEFINED IN 61G17, F.A.C. AND CURRENT BAY COUNTY SURVEYING STANDARDS.
- THE CONTRACTOR SHALL NOT BRING ANY HAZARDOUS MATERIALS ONTO THE PROJECT. SHOULD THE CONTRACTOR REQUIRE SUCH MATERIALS FOR PERFORMING THE CONTRACTED WORK, THE CONTRACTOR SHALL REQUEST, IN WRITING, WRITTEN PERMISSION FROM THE PROJECT ADMINISTRATOR. THE CONTRACTOR SHALL PROVIDE THE PROJECT ADMINISTRATOR WITH A COPY OF THE MATERIAL SAFETY DATA SHEET (MSDS) FOR EACH HAZARDOUS MATERIAL PROPOSED FOR USE. THE CONSTRUCTION PROJECT ADMINISTRATOR SHALL COORDINATE WITH THE ENGINEER OF RECORD PRIOR TO ISSUING WRITTEN APPROVAL TO THE CONTRACTOR. SINCE STATE LAW DOES NOT TREAT PETROLEUM PRODUCTS THAT ARE PROPERLY CONTAINERIZED AND INTENDED FOR EQUIPMENT USE AS A HAZARDOUS MATERIAL, SUCH PRODUCTS DO NOT NEED A MSDS SUBMITTAL.
- ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL FOUND ON THE PROJECT SHALL IMMEDIATELY BE REPORTED TO THE CONSTRUCTION PROJECT ADMINISTRATOR WHO SHALL DIRECT THE CONTRACTOR TO PROTECT THE AREA OF KNOWN OR SUSPECTED CONTAMINATION FROM FURTHER ACCESS. THE CONSTRUCTION PROJECT ADMINISTRATOR IS TO NOTIFY THE PROJECT MANAGER OF DISCOVERY. THE PROJECT MANAGER WILL ARRANGE AN INVESTIGATION, IDENTIFICATION AND REMEDIATION OF THE HAZARDOUS MATERIAL. THE CONTRACTOR SHALL NOT RETURN TO THE AREA OF CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE CONSTRUCTION PROJECT ADMINISTRATOR.
- THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS THROUGH SUNSHINE ONE CALL OF FLORIDA, INC. TWO BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION ON THE JOB SITE. CALL 1-800-432-4770 AND 811 (NATIONWIDE TOLL FREE UTILITY LOCATE). THE LOCATION OF THE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION.
- INFORMATION SHOWN ON THE PLANS CONCERNING THE TYPE AND LOCATION OF UNDERGROUND AND OVERHEAD UTILITIES IS BASED ON DATA PROVIDED BY UTILITY OWNERS, AVAILABLE RECORDS, AND FIELD SURVEYS. THE PLANS MAY NOT SHOW ALL UTILITIES WITHIN PROJECT LIMITS, EITHER ACTIVE OR PLACED OUT-OF-SERVICE, OR THAT SAID UTILITIES ARE ACTUALLY IN THE HORIZONTAL OR VERTICAL POSITIONS SHOWN IN THE PLANS. DETERMINE THE TYPE AND LOCATION OF ALL UTILITIES TO ESTABLISH THEIR LOCATIONS AND TO AVOID DAMAGE TO UNDERGROUND UTILITIES.
- UTILITY ADJUSTMENTS ARE TO BE PERFORMED BY THE UTILITY OWNERS UNLESS OTHERWISE NOTED.
- SWEEPING SHALL OCCUR DAILY OR AFTER SUCH EVENTS AS CAUSE TRACKING ONTO STREET. WATER TRUCKS SHALL BE USED FOR DUST CONTROL, IF NECESSARY.
- ALL PROPOSED GROUND ELEVATIONS ARE FINISHED SOD ELEVATIONS. FINISH EARTHWORK GRADING SHALL BE 0.2 FEET BELOW ELEVATIONS SHOWN TO ALLOW FOR SOD THICKNESS.
- SODDING INCLUDES MAINTAINING SLOPES AND SOD UNTIL COMPLETION AND ACCEPTANCE OF TOTAL PROJECT OR GROWTH IS ESTABLISHED, WHICHEVER COMES LAST. UNTIL THEN, ALL EROSION, SILTATION AND MAINTENANCE OF GRADES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- WHERE EXCAVATIONS ARE IN CLOSE PROXIMITY OF TREES NOT SHOWN AS BEING REMOVED, THE CONTRACTOR SHALL USE EXTREME CARE IN NOT DAMAGING THE ROOT SYSTEM, NO EQUIPMENT, SUPPLIES, OR VEHICLES SHALL BE STORED OR PARKED WITHIN THE DRIP LINE OF TREES TO REMAIN AND BE PRESERVED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ALL EMPLOYEES AND SUBCONTRACTORS OF THIS REQUIREMENT AND TO ENFORCE SAME.
- ALL INLETS SHALL BE PROTECTED AS PER FDEP BEST MANAGEMENT PRACTICES, AND THE FDEP/FDOT EROSION AND SEDIMENT CONTROL HANDBOOK.
- THE CONTRACTOR SHALL PROTECT ALL GRASSED AREAS FROM DISCARDED CONCRETE AND EXCESS MATERIALS. ALL DISCARDED CONCRETE AND EXCESS MATERIALS SHALL BE REMOVED FROM THE RIGHT-OF-WAY (OR JOB SITE) ON A DAILY BASIS.
- THE CONTRACTOR SHALL DISPOSE OF ALL DEBRIS UPON COMPLETION OF THE PROJECT.
- THE EROSION CONTROL PLAN SHALL BE IN ACCORDANCE WITH THE FDOT/FDEP EROSION & SEDIMENT CONTROL HANDBOOK.
- ALL FILL MATERIAL SHALL BE SELECT FILL AS DEFINED BY FDOT DESIGN STANDARD INDEX 505.
- DEWATERING: SHOULD LOWERING OF GROUNDWATER BE NECESSARY FOR THE INSTALLATION OF CONCRETE STRUCTURES, OR TO PREVENT LATERAL MOVEMENT OF CONCRETE ALREADY PLACED, SUCH LOWERING SHALL BE ACCOMPLISHED BY MEANS OF A WELL POINT SYSTEM OR OTHER APPROVED MEANS, AT CONTRACTOR'S EXPENSE. COMPREHENSIVE PLANS FOR DEWATERING OPERATIONS, IF USED, SHALL BE SUBMITTED BY THE CONTRACTOR PRIOR TO INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITTING ASSOCIATED WITH DEWATERING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING NPDES PERMIT.
- THE CONTRACTOR SHALL REPAIR OR REPLACE ANY METERS, VALVES, SERVICE LATERALS, FIRE HYDRANTS, MAINS, WATER, WASTEWATER, OR GAS FACILITIES DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST.
- ALL PROPOSED INLETS SHALL HAVE 18" SUMP BOTTOMS. OPEN BOTTOMS SHALL NOT BE ALLOWED IN AREAS WHERE HIGH GROUNDWATER EXISTS.
- ALL DEMOLISHED MATERIALS SHALL BE REMOVED FROM SITE AND DISPOSED OF IN A LEGAL MANNER.
- CONTRACTOR SHALL PROVIDE (5) SIGNED AND SEALED AS-BUILT SURVEYS PREPARED BY A REGISTERED FLORIDA SURVEYOR. A DIGITAL (AUTOCAD) FILE SHALL ALSO BE PROVIDED.

GRADING, DRAINAGE, AND EARTH WORK NOTES:

CONSTRUCTION:

- ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE SEEDED, MULCHED, SODDED, STABILIZED, OR PLANTED WITH OTHER APPROVED LANDSCAPE MATERIAL, WITHIN FIVE (5) DAYS AFTER SUBSTANTIAL COMPLETION.
- ALL WASTE MATERIAL SHALL BE DISPOSED OF OFFSITE IN ACCORDANCE WITH APPLICABLE REGULATIONS.
- PROPOSED SPOT ELEVATIONS REPRESENT GROUND SURFACE GRADE UNLESS OTHERWISE NOTED ON DRAWINGS.
- TESTING SHALL BE IN GENERAL CONFORMANCE WITH THE FDOT SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. LATEST EDITION. SELECTION AND CONTRACTING WITH THE 3RD PARTY TESTING FIRMS SHALL BE THE RESPONSIBILITY OF THE OWNER. IT SHALL BE THE RESPONSIBILITY OF THE OWNER TO COORDINATE AND SCHEDULE ALL 3RD PARTY TESTS, AND PROVIDE TO THE ENGINEER OF RECORD. CONTRACTOR SHALL NOTIFY THE OWNER UPON COMPLETION OF EACH LIFT AND PROVIDE 48 HOURS FOR 3RD PARTY TESTING TO OCCUR.
- TOP SOIL SHALL BE PLACED IN AREAS WHERE SOD IS PROPOSED, PRIOR TO INSTALLATION OF SOD.
- ALL CONSTRUCTION AREAS NEAR WETLANDS ARE TO BE MONITORED CLOSELY FOR EROSION. SILT FENCE AND HAY BALES SHALL BE USED IN THESE AREAS. CONTRACTOR SHALL FOLLOW ALL THE FDEP/COE DREDGE AND FILL PERMIT REQUIREMENTS IF APPLICABLE. SEE SPECIFICATIONS.
- ALL SPOIL MATERIAL SHALL BE PLACED ON THE UPLAND SIDE OF ANY SLOPED CONSTRUCTION AREA.
- THE CONTRACTOR SHALL TAKE WHATEVER STEPS NECESSARY TO PREVENT EROSION INTO NEARBY WETLANDS.
- ALL PIPE SHALL BE INSTALLED IN DRY CONDITIONS. WELL POINTING MAY BE REQUIRED AT THE DIRECTION OF THE ENGINEER. WELL POINTS OR SOCK PIPE MAY BE USED.
- CONTRACTOR SHALL FOLLOW ALL OSHA REQUIREMENTS FOR CONSTRUCTION.
- THE CONTRACTOR SHALL FOLLOW ALL CONDITIONS OF THE PERMIT REQUIREMENTS. SEE SPECIFICATIONS FOR COPY OF PERMITS.
- THE PROJECT AREA MUST HAVE MINIMUM PERCOLATION RATE OF 5 IN/HR AT 95% MAXIMUM DENSITY.
- ORGANIC, UNSUITABLE SOILS ON THE PROJECT SITE SHALL BE REMOVED AND REPLACED WITH CLEAN SAND MATERIAL OF WHICH NOT MORE THAN 15% BY DRY WEIGHT IS FINER THAN THE NUMBER 200 MESH SIEVE.
- SATISFACTORY IMPORT MATERIALS CONSIST OF SOILS COMPLYING WITH AASHTO SOIL CLASSIFICATION GROUPS A-1, A-2-4, A-2-5, OR A-3.
- FILL MATERIALS THAT ARE SATISFACTORY MUST BE FREE OF CLAY, ROCK, OR GRAVEL LARGER THAN 2 INCHES IN ANY DIMENSION, DEBRIS, WASTE, VEGETABLE, AND OTHER DELETERIOUS MATER AND LESS THAN 15% PASSING NO. 200 SEIVE.
- STOCKPILE SATISFACTORY EXCAVATED MATERIALS UNTIL REQUIRED FOR FILL. PLACE, GRADE, AND SHAPE STOCKPILES FOR PROPER DRAINAGE.

UTILITY CONTACTS:

| OWNER | CONTACT | PHONE |
|---------------------|-----------------|--------------|
| BAY COUNTY TRAFFIC | BOB EDMUNDS | 850-248-8760 |
| CITY OF PANAMA CITY | MATT STANDLEY | 850-872-3191 |
| KNOLGY HOLDINGS | STEVE THOMAS | 850-215-2138 |
| COMCAST CABLE | JEFFERY SMITH | 850-770-8038 |
| SOUTHERN LIGHT | ANDRO BRAMBLETT | 251-662-1170 |
| GULF POWER | KENNY DOUGLAS | 850-505-5567 |
| AT&T | NANCY SPENCE | 770-918-5424 |
| AT&T DISTRIBUTION | DANNEY WATSON | 334-850-7761 |
| TECO GAS | ROLAND MOORE | 850-914-6129 |

EROSION AND SEDIMENT CONTROL NOTES:

CONSTRUCTION:

- CONTRACTOR SHALL STAGE AND TIME CONSTRUCTION TO MINIMIZE THE SIZE OF EXPOSED SOIL AREAS AND THE TIME BETWEEN EXPOSING THE SOIL AREA AND FINISHING THE SOIL AREA.
 - AS SOON AS GRADING IS COMPLETE IN AN AREA, THE CONTRACTOR WILL STABILIZE THE SOIL. FOR LONG, NARROW AREAS, THE CONTRACTOR SHALL STABILIZE CONTINUOUSLY DURING GRADING OPERATIONS. ROUGH GRADED AREAS SHOULD BE STABILIZED WITH TEMPORARY EROSION CONTROL. IF FINAL GRADING AND STABILIZATION WILL NOT BE PERFORMED WITHIN FIVE (5) DAYS, FAILURE TO STABILIZE EXPOSED SOIL AREAS IN A TIMELY MANNER AFTER GRADING MAY BE CONSIDERED A VIOLATION OF CHAPTERS 17-3, 17-12, AND/OR 17-25, FLORIDA ADMINISTRATIVE CODE, BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) AND SUBJECT TO CORRECTIVE ACTION, PURSUANT TO SECTION 403.121- 403.161 FLORIDA STATUTES.
 - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR PERFORMING A TASK TO PROVIDE EROSION CONTROL. UNLESS ANOTHER PARTY HAS BEEN PREVIOUSLY SPECIFIED AS RESPONSIBLE FOR THE EROSION CONTROL ASSOCIATED WITH THAT TASK. IN THE EVENT ANOTHER PARTY IS RESPONSIBLE FOR EROSION CONTROL, THE CONTRACTOR SHALL STILL BE RESPONSIBLE FOR COORDINATION WITH THE PARTY RESPONSIBLE. IN THE EVENT THAT DAMAGE TO THE CONSTRUCTED ITEM RESULTS ARE DUE TO LACK OF EROSION CONTROL, THE CONTRACTOR SHALL REPAIR OR REPLACE THE ITEM AT NO CHARGE TO THE OWNER.
 - TEMPORARY EROSION CONTROL SHALL CONSIST OF TEMPORARY GRASS, TEMPORARY MULCH, TEMPORARY SOD, ARTIFICIAL COVERINGS, BALED HAY OR STRAW, SILT FENCES, AND TURBIDITY BARRIERS. TEMPORARY EROSION CONTROL SHALL BE IN ACCORDANCE WITH SECTION 104 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS.
 - PERMANENT EROSION CONTROL SHALL CONSIST OF SEED, SEED AND MULCH, HYDRO-SEEDING, SOD, AND/OR ARTIFICIAL COVERINGS. PERMANENT EROSION CONTROL SHALL BE IN ACCORDANCE WITH SECTIONS 570 AND 575 OF THE FDOT STANDARD SPECIFICATIONS. SEED OR GRASS TYPE SHALL MATCH EXISTING OR BE AS SPECIFIED BY OWNER UNLESS NOTED OTHERWISE.
 - GRASS BY SEEDING SHALL BE IN ACCORDANCE WITH SECTIONS 104, 570, 981, 982, AND 983 OF FDOT STANDARD SPECIFICATIONS. THIS SHALL BE USED ONLY IN AREAS SUBJECT TO LIGHT EROSION SUCH AS FLAT AREAS.
 - GRASS BY HYDRO-SEEDING SHALL BE IN ACCORDANCE WITH SECTIONS 104, 570, 981, 982, AND 983 OF FDOT STANDARD SPECIFICATIONS. HYDRO-SEEDING MAY BE USED FOR FLAT AREAS AND SIDE SLOPES WHICH DO NOT EXCEED 4:1. DRAINAGE DITCHES OR LARGE SWALES MUST HAVE ADDITIONAL PROTECTION BESIDES HYDRO-SEEDING.
 - GRASS AND MULCH SHALL BE IN ACCORDANCE WITH SECTIONS 104, 570, 981, 982, AND 983 OF FDOT STANDARD SPECIFICATIONS. GRASS AND MULCH MAY BE USED IN ALL AREAS EXCEPT LARGE SWALES OR DITCHES. MULCH SHALL BE ANCHORED IN ACCORDANCE WITH SECTION 570. SOLID SOD SHALL BE IN ACCORDANCE WITH SECTIONS 104, 575, 981, 982, AND 983 OF FDOT STANDARD SPECIFICATIONS. SOD MAY BE USED IN ALL AREAS FOR SIDE SLOPES LESS THAN 2:1. SOD SHOULD NOT BE USED ON SLOPES GREATER THAN 1:2 (V:H). EROSION CONTROL BLANKETS WITH GRASSING OR OTHER SLOPE STABILIZATION TECHNIQUES SHOULD BE USED ON SLOPES GREATER THAN 1:2. SOD SHALL BE STAGGERED SO AS TO AVOID A CONTINUOUS SEAM. IN AREAS WITH SLOPES 3:1 OR STEEPER, EACH PIECE OF SOD SHALL BE PEGGED WITH SOD PEGS. IN DIFFICULT SOIL CONDITIONS WITH STEEP SLOPES, IT MAY NECESSARY TO COVER SOD WITH ARTIFICIAL COVERINGS SUCH AS JUTE MESH UNTIL SOD BECOMES ESTABLISHED.
 - TEMPORARY EROSION CONTROL BY ARTIFICIAL COVERINGS SHALL CONSIST OF STRAW BLANKETS, COCONUT FIBER BLANKETS, POLYESTER BLANKETS, BARRIER HAY BALES, SILT FENCE, TURBIDITY BARRIER, OR AS SPECIFIED IN THE CONSTRUCTION DRAWINGS) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS, WATERWAYS, AND WETLAND OR JURISDICTIONAL AREAS. IF, IN THE OPINION OF THE ENGINEER, AND/OR REGULATORY AUTHORITIES, EXCESSIVE QUANTITIES OF MATERIAL ARE TRANSPORTED OFFSITE BY EROSION OR STORM WATER RUNOFF, THE CONTRACTOR SHALL IMPROVE CONDITIONS TO THE SATISFACTION OF THE ENGINEER AND/OR AUTHORITIES IN NO CASE SHALL CONSTRUCTION COMMENCE PRIOR TO INSTALLATION OF EROSION CONTROL/SEDIMENTATION BARRIER.
 - CONTRACTOR SHALL PLACE STRAW, MULCH, OR OTHER SUITABLE MATERIAL ON GROUND IN AREAS WHERE CONSTRUCTION-RELATED TRAFFIC IS TO ENTER AND EXIT SITE.
 - IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR SHALL STABILIZE THE AREA USING SPRINKLING IRRIGATION OR OTHER ACCEPTABLE METHODS.
- MAINTENANCE:**
- THE CONTRACTOR SHALL PROVIDE ROUTINE MAINTENANCE OF PERMANENT AND TEMPORARY EROSION CONTROL FEATURES, UNTIL THE PROJECT IS COMPLETED AND ACCEPTED. THEN MAINTENANCE SHALL BE IN ACCORDANCE WITH SECTION 104 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS OR BAY COUNTY SPECIFICATIONS.
 - SILT FENCES AND TURBIDITY BARRIERS SHALL BE CHECKED DAILY FOR EFFECTIVENESS, BREACHES, AND ROUTINE MAINTENANCE.

July 20, 2015 05:49:56 EST
 K:\782010 GC3C PC ATHLETIC FIELDS\GULF COAST COLLEGE\782010_CVR.DWG

| NO. | DATE | APPROV. | REVISION: |
|-----|------|---------|-----------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |

NOT A PROFESSIONAL ENGINEER OR ARCHITECT
 PROFESSIONAL ENGINEERS & SURVEYORS, INC.

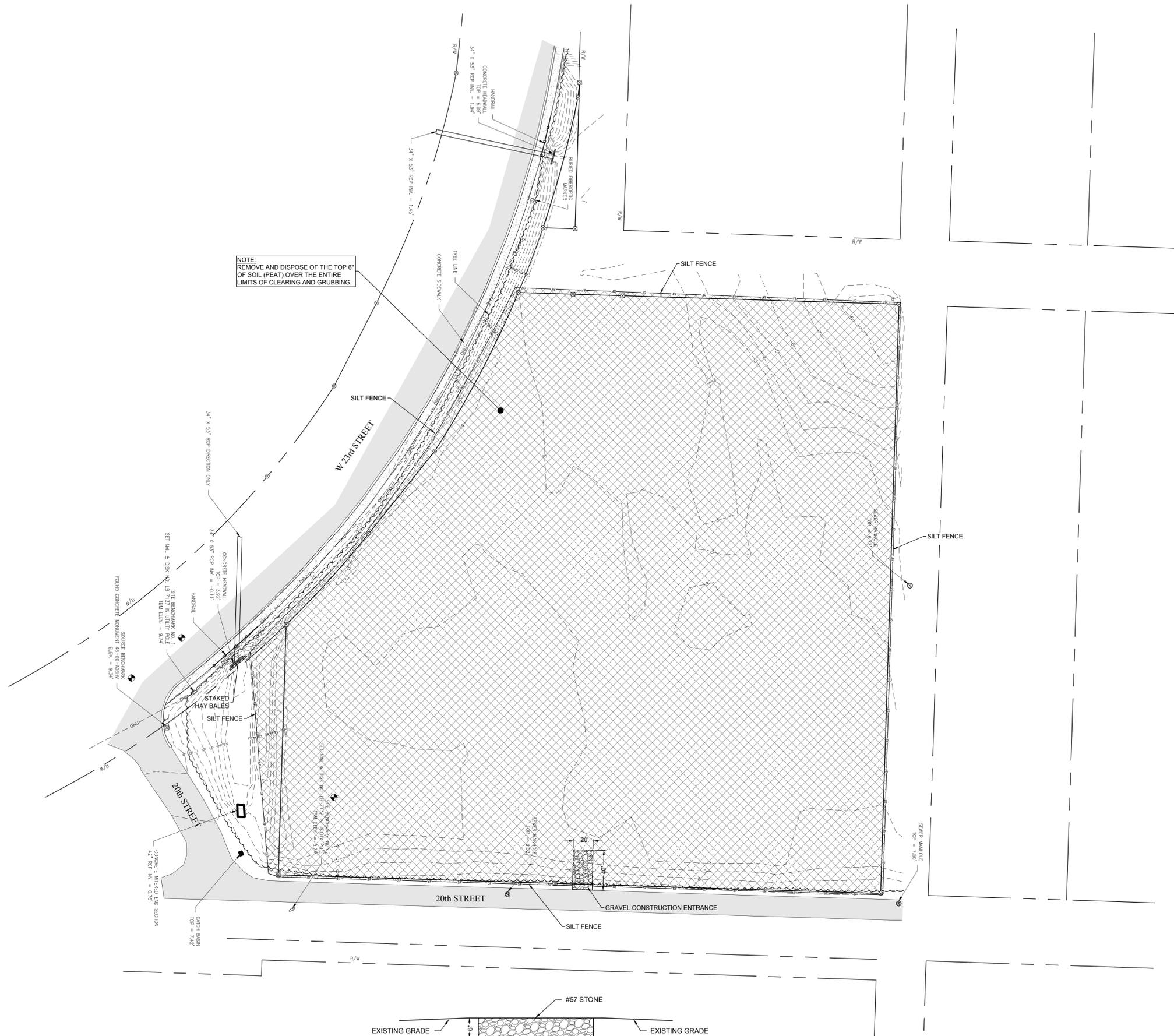
PREBLE-RISH INC
 CONSULTING ENGINEERS AND SURVEYORS
 CIVIL • SURVEYING • SITE PLANNING
 203 ABERDEEN PKWY, PANAMA CITY, FL 32405
 (850) 522-0644

DESIGNED: JMS
 DRAWN: BWR
 CHECKED: JMS
 DATE: JULY 2015

SCALE: N.T.S.
 PREBLE-RISH, INC., ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM WITHOUT PRIOR WRITTEN PERMISSION OF PREBLE-RISH, INC.

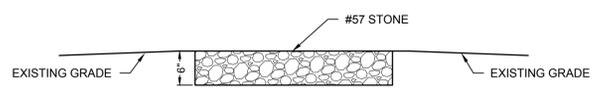
GENERAL NOTES
 ATHLETIC FIELDS
 GULF COAST STATE COLLEGE
 BAY COUNTY, FLORIDA
 FLORIDA

K:\782.010_GCS-FC_ATHLETIC_FIELDS\DWG\FOLDER\REFERENCE\782010_DSSA.DWG

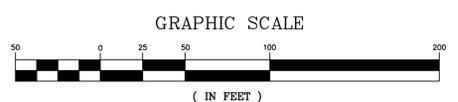


NOTE:
REMOVE AND DISPOSE OF THE TOP 6" OF SOIL (PEAT) OVER THE ENTIRE LIMITS OF CLEARING AND GRUBBING.

LEGEND:
 LIMITS OF CLEARING AND GRUBBING



DETAIL CONSTRUCTION ENTRANCE
SCALE: N.T.S.



CLEARING & EROSION CONTROL PLAN
ATHLETIC FIELDS
GULF COAST STATE COLLEGE
BAY COUNTY, FLORIDA

PREBLE-RISH INC.
CONSULTING ENGINEERS AND SURVEYORS
CIVIL SURVEYING • SITE PLANNING
203 ABERDEEN PKWY, PANAMA CITY, FL 32405
(850) 522-0644

SCALE: 1"=50'
DESIGNED: JMS
DRAWN: BWR
CHECKED: JMS
DATE: JULY 2015

| NO. | DATE | APPR. |
|-----|------|-------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |

NOT APPROVED UNLESS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER OR SURVEYOR

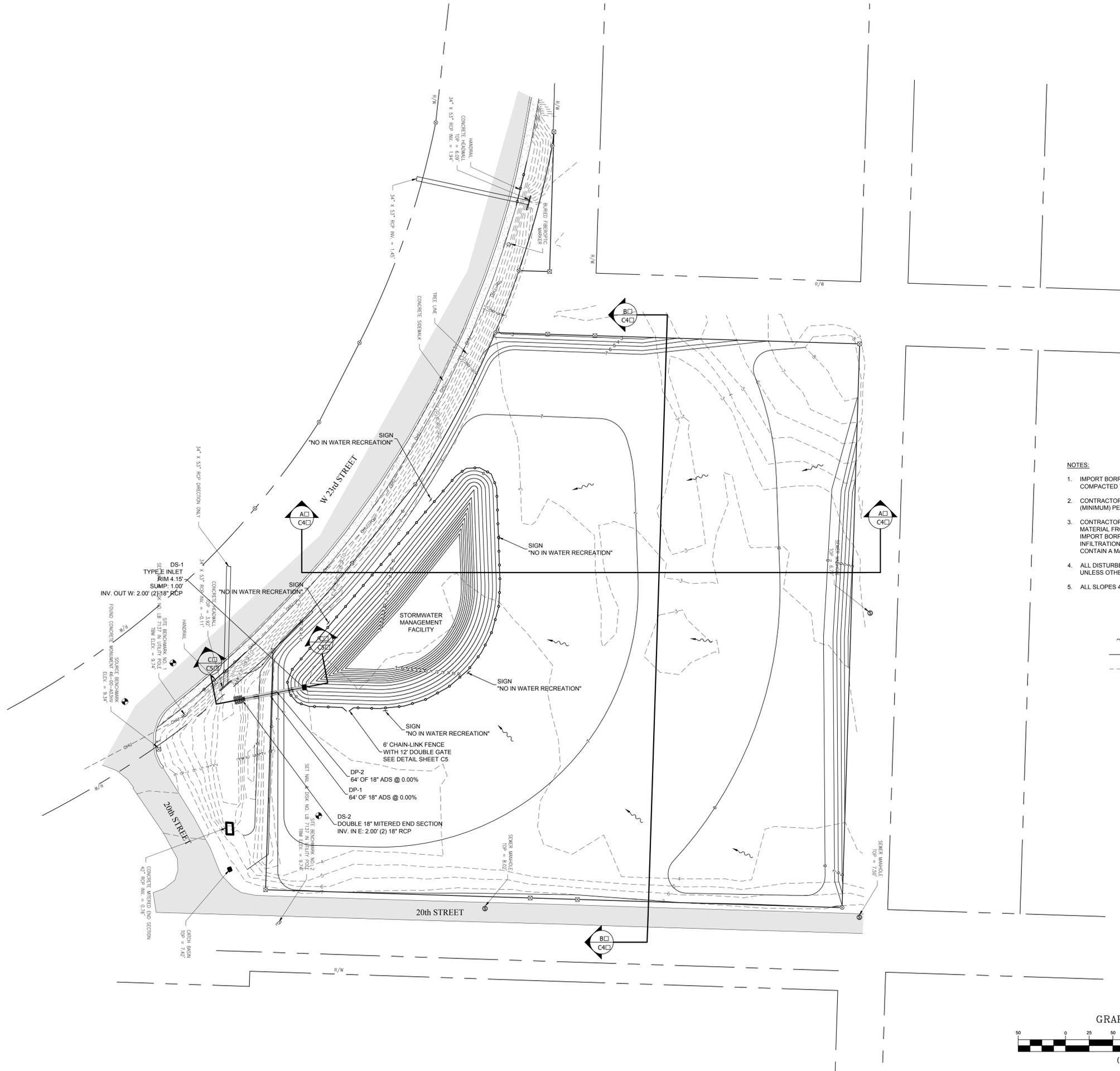
ELIZABETH S. MOORE, 57607
PHILIP A. JONES, 49851

CHRIS SHORTT, 78424
JONATHAN SKLARSKI, 67281

CLIFFORD D. WELSON, III, 70971

EB 0006155

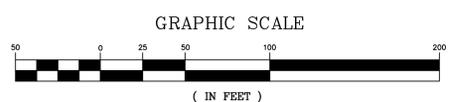
K:\782.010_GCS\PC_ATHLETIC_FIELDS\DWG\FOLDER_REFERENCE\782010_DSGA.DWG



- NOTES:**
1. IMPORT BORROW SHALL BE INSTALLED IN 6" LIFTS AND COMPACTED TO 95% MAX DENSITY.
 2. CONTRACTOR SHALL PROVIDE THREE (3) DENSITY TESTS (MINIMUM) PER LIFT.
 3. CONTRACTOR SHALL STOCKPILE AND MIX THE EXCAVATED MATERIAL FROM THE STORM WATER POND WITH THE IMPORT BORROW MATERIAL TO ACHIEVE A MINIMUM INFILTRATION RATE OF 5 IN/HR. MIXED MATERIAL SHALL CONTAIN A MAXIMUM OF 5% FINES.
 4. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED UNLESS OTHERWISE NOTED.
 5. ALL SLOPES 4:1 OR GREATER SHALL BE SODDED.

LEGEND:

- FLOW ARROWS
- PROPOSED CONTOURS
- EXISTING CONTOURS



PREBLE-RISH INC.
CONSULTING ENGINEERS AND SURVEYORS
CIVIL SURVEYING • SITE PLANNING
203 ABERDEEN PKWY, PANAMA CITY, FL 32405
(850) 522-0644

GRADING PLAN
ATHLETIC FIELDS
GULF COAST STATE COLLEGE
BAY COUNTY, FLORIDA
FLORIDA

| NO. | DATE | APPR. |
|-----|------|-------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |

NOT APPROVED UNLESS SIGNED BY PROFESSIONAL ENGINEER OR SURVEYOR

ELIZABETH S. MOORE, 57607
PHILIP A. JONES, 49851

CHRIS SHORTT, 78424
JONATHAN SKLARSKI, 67281

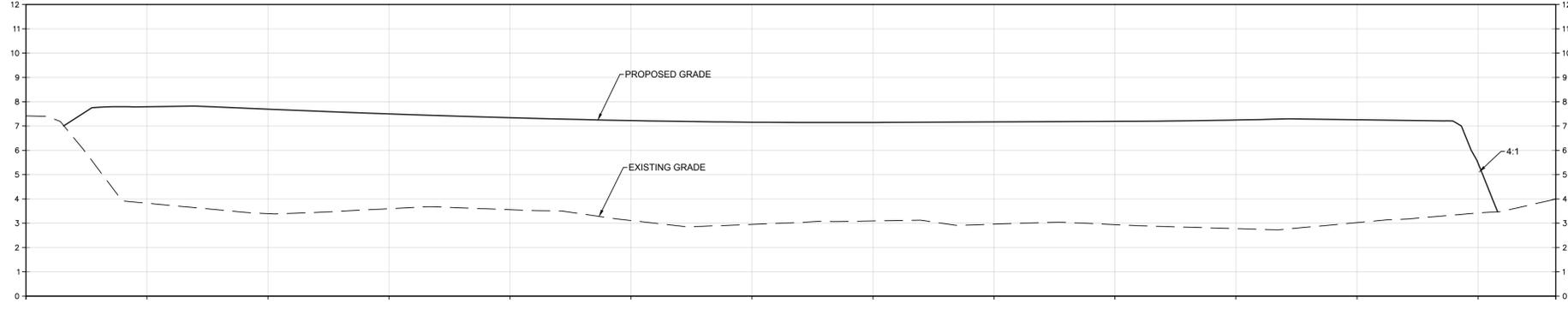
CLIFFORD D. NELSON, # 70971

EB 0006155

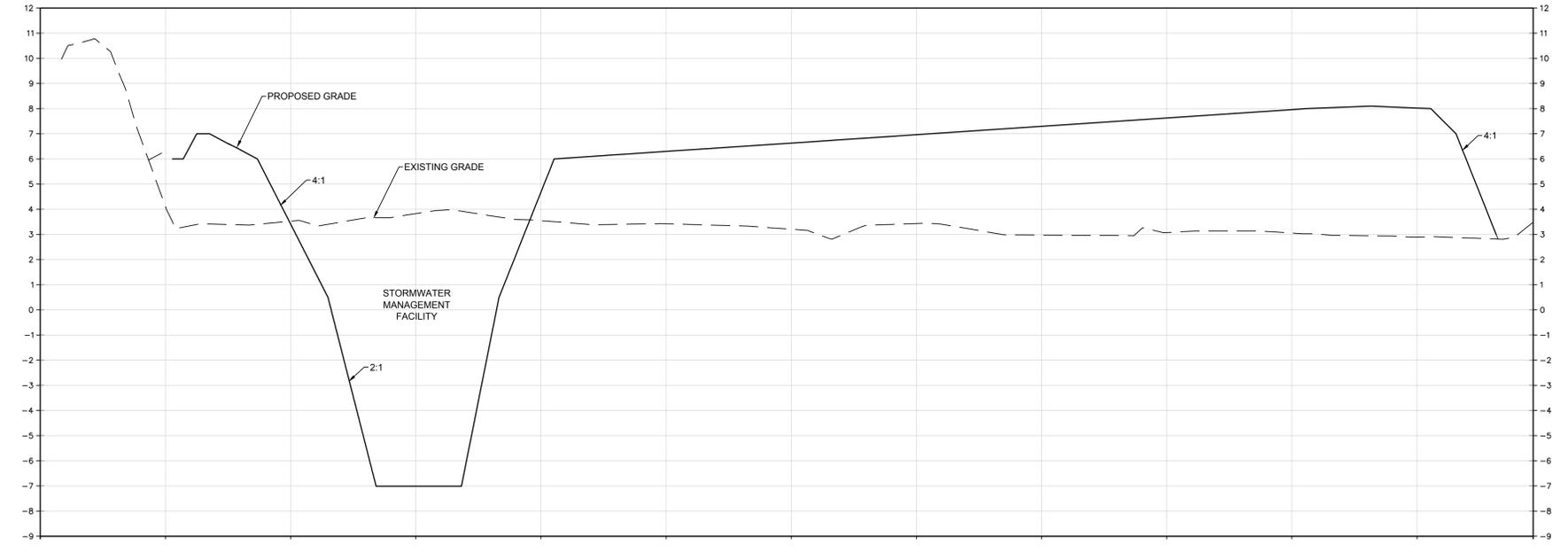
PROJECT NO. 782.010 SHEET C37

K:\782.010_GCS\PC - ATHLETIC FIELDS\DWG\FOLDER\REFERENCE\782010_DSSA.DWG

11/15/2015 1:56:13 PM



B SECTION SITE SECTION
 C3 SCALES: 1"=30' HORIZ 1"=3' VERT



A SECTION SITE SECTION
 C3 SCALES: 1"=30' HORIZ 1"=3' VERT

PROJECT NO. 782.010 SHEET C4

SECTIONS
 ATHLETIC FIELDS
 GULF COAST STATE COLLEGE
 BAY COUNTY, FLORIDA
 FLORIDA

PREBLE-RISH INC
 CONSULTING ENGINEERS AND SURVEYORS
 CIVIL SURVEYING • SITE PLANNING
 203 ABERDEEN PKWY, PANAMA CITY, FL 32405
 (850) 522-0644

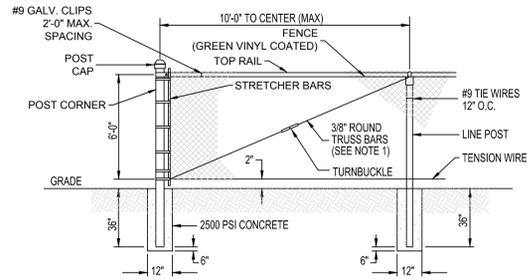
SCALE: 1"=30'
 PREBLE-RISH, INC., ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM WITHOUT PRIOR WRITTEN PERMISSION OF PREBLE-RISH, INC.

NOT A PROFESSIONAL ENGINEER OR SURVEYOR WITHOUT PROFESSIONAL ENGINEER'S SEAL

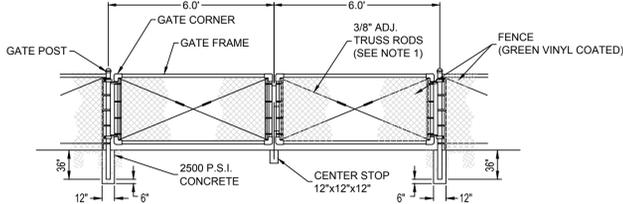
| NO. | DATE | APPR. |
|-----|------|-------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |

PERSON:
 ELIZABETH S. MOORE, 57607
 PHILIP J. JONES, 44651
 CHRIS SHORTT, 78424
 JOHN H. SHELTON, 67241
 CLIFFORD D. NELSON, 70971

EB 0000155



FENCE DETAIL



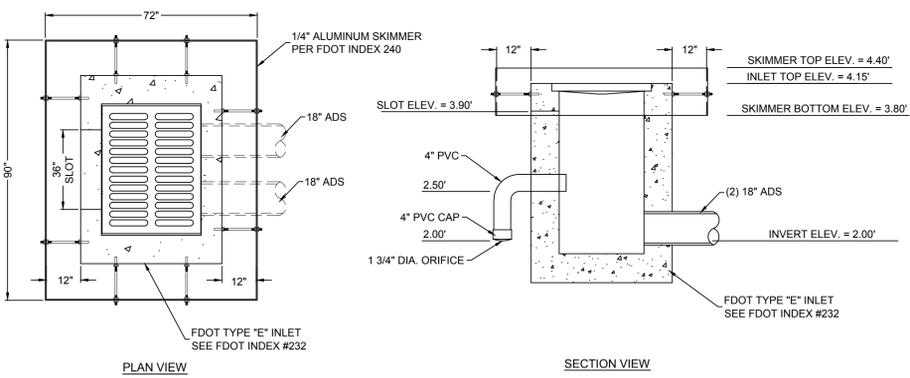
DOUBLE SWING GATE DETAIL

NOTES:

1. TRUSS BARS ARE REQUIRED FOR EACH GATE SECTION AND THE FIRST SPAN ON EACH SIDE OF A CORNER POST ONLY.
2. CONTRACTOR SHALL PROVIDE GREEN SLATS TO SERVE AS PRIVACY FENCE.
3. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION

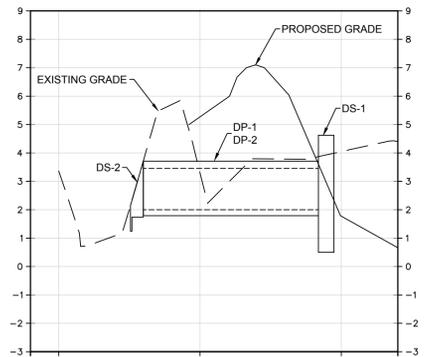
DETAIL CHAIN LINK FENCE

SCALE: N.T.S.



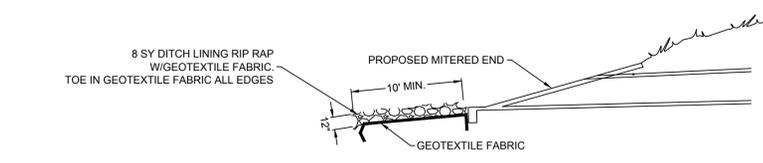
DETAIL CONCRETE DISCHARGE STRUCTURE

SCALE: N.T.S.



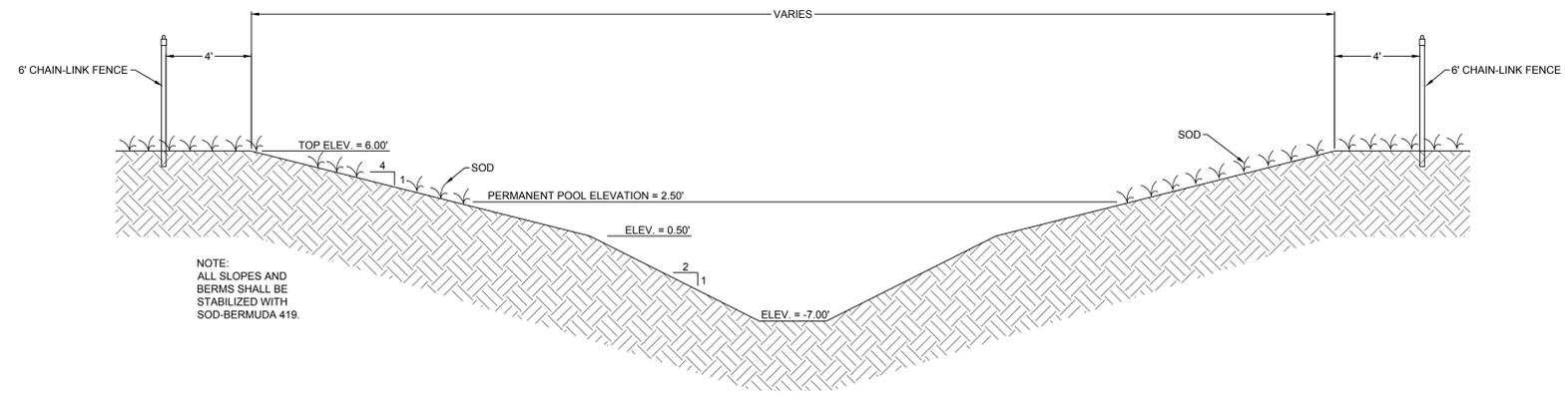
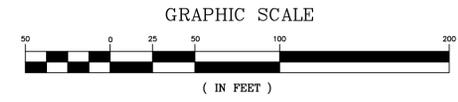
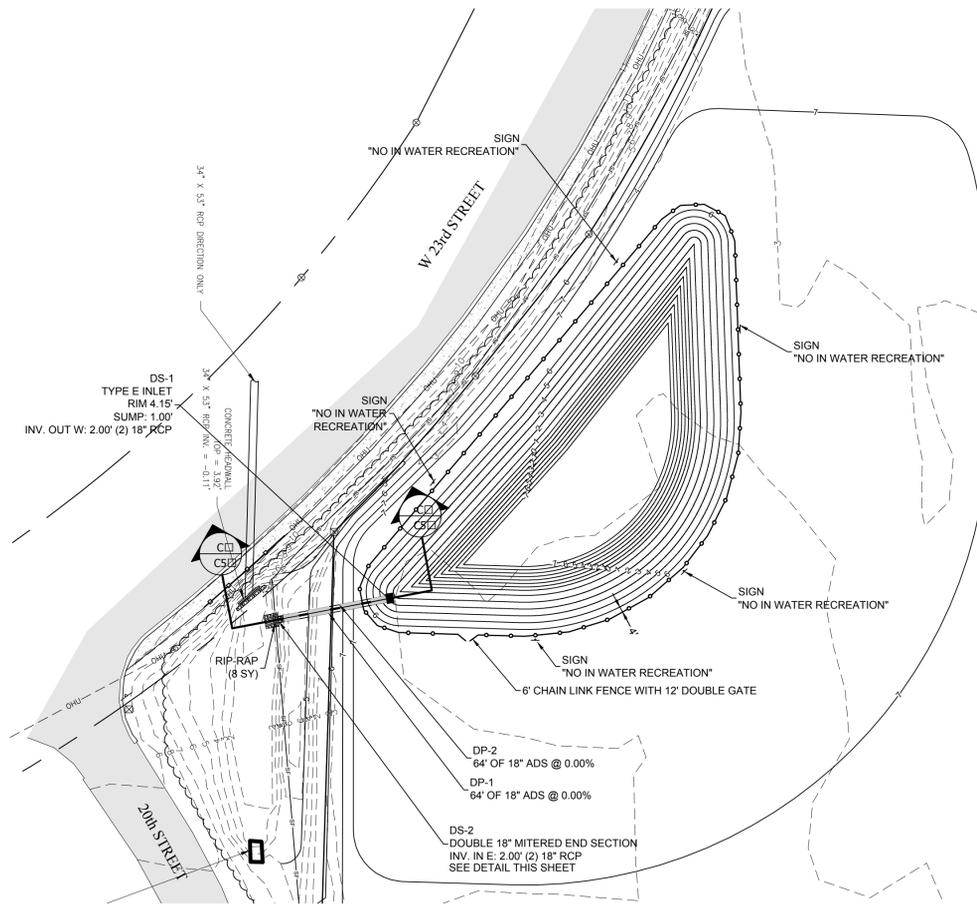
SECTION OUTFALL

SCALES: 1"=30' HORIZ 1"=3' VERT



DETAIL MITERED END WITH RIP RAP

SCALE: N.T.S.



SECTION TYPICAL POND SECTION

SCALE: N.T.S.

STORMWATER OPERATION/MAINTENANCE PLAN

OPERATION AND MAINTENANCE ENTITY IS GULF COAST STATE COLLEGE.

AFTER EACH RAINFALL EVENT

1. PAVEMENT AREAS - CLEAN/SEEK DEBRIS AND DIRT FROM PAVEMENT AREAS. SEDIMENTS IN RETENTION
2. DETENTION AREAS - REMOVE IMMEDIATELY DEBRIS IN RETENTION/DETENTION AREAS - ALL DEBRIS AND
3. FOREIGN MATERIAL SHALL BE REMOVED IMMEDIATELY YARE INLET CATCH BASINS ETC. - ALL DEBRIS AND FOREIGN
4. MATERIALS SHALL BE REMOVED IMMEDIATEL.

PERIODIC POND/SYSTEM MAINTENANCE

1. CLEANING/SWEEPING OF PAVEMENT AREAS SHALL BE ACCOMPLISHED WEEKLY OR AS REQUIRED.
2. INSPECT POND PERIODICALLY FOR ACCUMULATION OF TRASH AND DEBRIS AND REMOVE IT UPON DISCOVERY.
3. MOWING AND LANDSCAPING MAINTENANCE SHOULD BE DONE ON A MONTHLY BASIS DURING THE ACTIVE GROWING SEASON FOR THE AREA. INSPECT AND MAINTAIN AS REQUIRED DURING THE GROWING SEASON.
4. WEEDS OR UNDESIRABLE GROWTH SHALL BE REMOVED UPON DISCOVERY.
5. CATCH BASINS SHALL BE FLUSHED AS NECESSARY (IF ANY).
6. THE OWNER SHALL RE-GRADE AND RE-STABILIZE SWALE/RETENTION/DETENTION AREAS AS REQUIRED TO MAINTAIN THE APPROVED DESIGN, CROSS-SECTION, LINE, AND GRADE.
7. REMOVE SEDIMENT FROM POND WHEN ACCUMULATION REACHES FOUR (4) INCHES. MEASURE ACCUMULATION ONCE A YEAR.

INSPECTIONS

1. A MAINTENANCE INSPECTION MUST BE PERFORMED EVERY THIRD YEAR BY A REGISTERED PROFESSIONAL.
2. THE MAINTENANCE INSPECTION MUST BE DOCUMENTED ON THE FDEP AND/OR NFPWMD STANDARD INSPECTION FORM 62-330.31(1).
3. THE INSPECTION MUST BE SIGNED, SEALED, AND DATED BY THE REGISTERED PROFESSIONAL.
4. THE INSPECTION MUST BE CONDUCTED USING THE PLANS, CALCULATIONS AND SPECIFICATIONS APPROVED BY THE FDEP AND/OR NFPWMD.

PREBLE-RISH INC
 CONSULTING ENGINEERS AND SURVEYORS
 CIVIL SURVEYING • SITE PLANNING
 203 ABERDEEN PKWY, PANAMA CITY, FL 32405
 (850) 522-0644

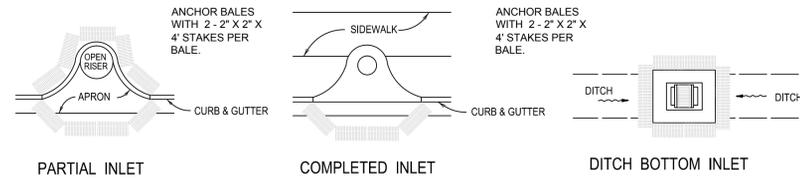
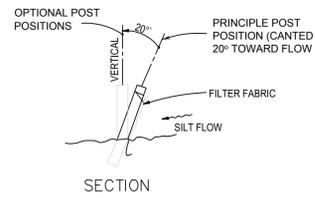
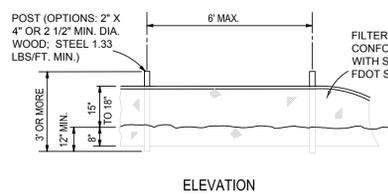
STORMWATER DETAILS
 ATHLETIC FIELDS
 GULF COAST STATE COLLEGE
 BAY COUNTY, FLORIDA

PROJECT NO. 782.010 SHEET C5

| NO. | DATE | APPRO. |
|-----|------|--------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |

SCALE: AS SHOWN
 DESIGNED: JMS
 DRAWN: BWR
 CHECKED: JMS
 DATE: JULY 2015

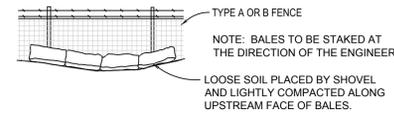
K:\782.010_GCS_C5_ATHLETIC_FIELDS\DWG\30\FOLDER_REFERENCE\782010_DSSA.DWG



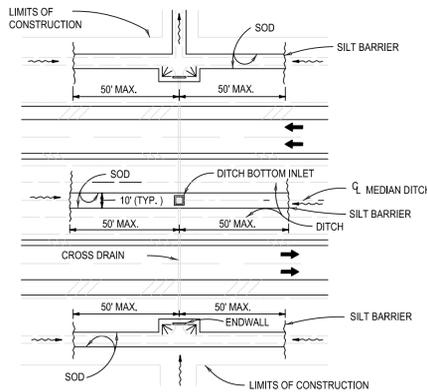
PROTECTION AROUND INLETS OR SIMILAR STRUCTURES

NOTE: SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE (LF).

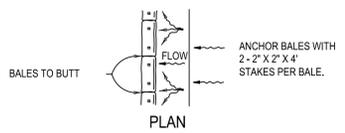
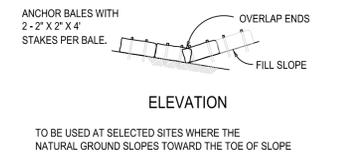
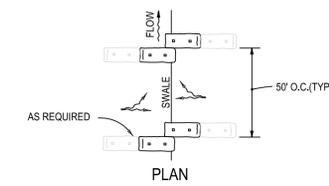
TYPE III SILT FENCE



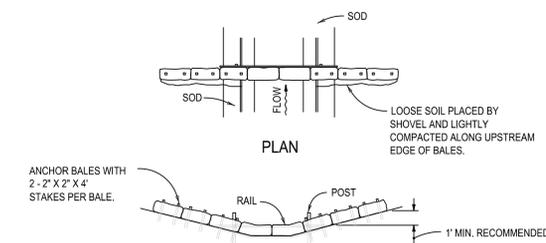
BALES BACKED BY FENCE



DITCH INSTALLATIONS AT DRAINAGE STRUCTURES



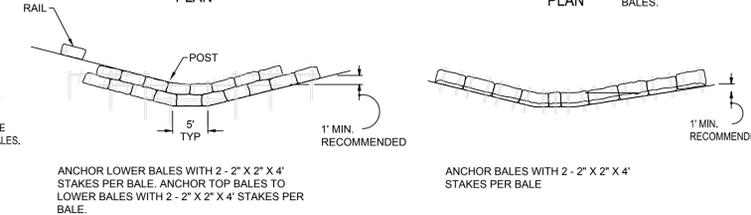
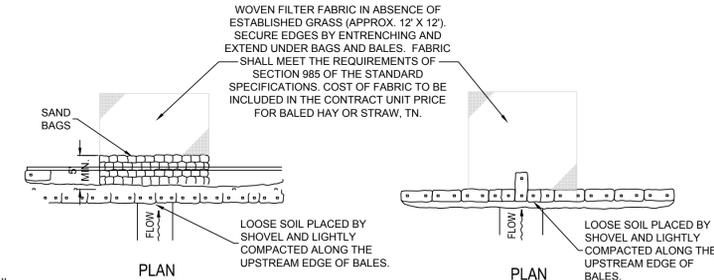
BARRIERS FOR FILL SLOPES



ELEVATION

SPACING: BALE BARRIERS FOR PAVED DITCHES SHOULD BE SPACED IN ACCORDANCE WITH THE CHART BELOW

BARRIER FOR PAVED DITCH



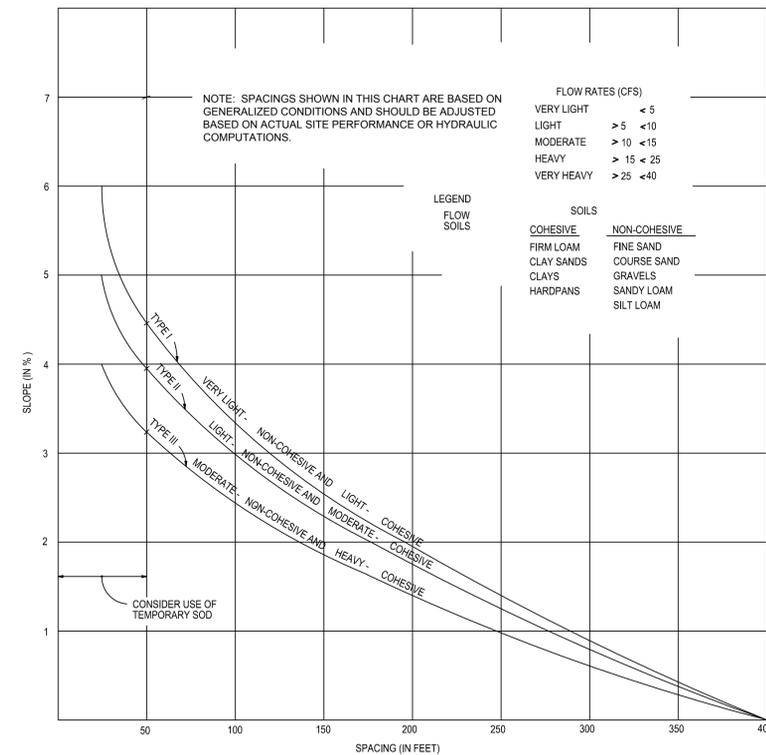
ELEVATION

APPLICATION AND SPACING: THE USE OF TYPES I, & II BALE BARRIERS SHOULD BE LIMITED TO THE CONDITIONS OUTLINED IN THE CHART BELOW.

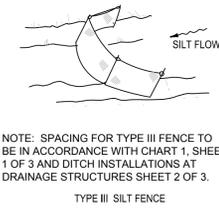
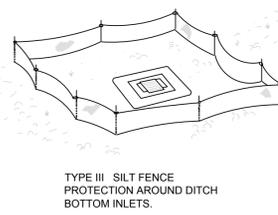
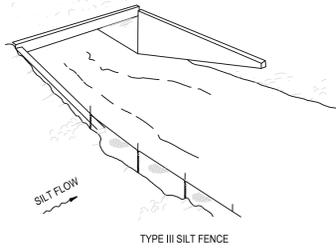
TYPE II

TYPE I

BARRIER FOR UNPAVED DITCHES



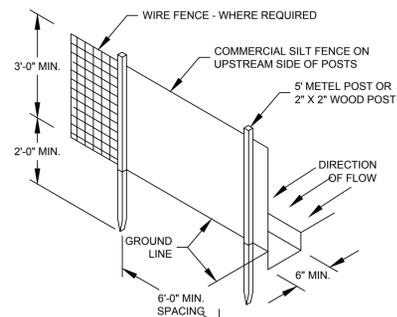
RECOMMENDED SPACING FOR TYPE I AND TYPE II HAY BALE BARRIERS, AND TYPE III SILT FENCES



NOTE: SPACING FOR TYPE III FENCE TO BE IN ACCORDANCE WITH CHART 1, SHEET 1 OF 3 AND DITCH INSTALLATIONS AT DRAINAGE STRUCTURES SHEET 2 OF 3.

DO NOT DEPLOY IN A MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.

SILT FENCE APPLICATIONS



- NOTES:
1. DIG TRENCH 6" DEEP.
 2. LAY IN FABRIC TO BOTTOM OF TRENCH.
 3. BACK TRENCH, COVERING FABRIC.

DETAIL SILT FENCE

SCALE: N.T.S.

PREBLE-RISH INC
CONSULTING ENGINEERS AND SURVEYORS
CIVIL SURVEYING • SITE PLANNING
203 ABERDEEN PKWY, PANAMA CITY, FL 32405
(850) 522-0644

SWPPP DETAILS
ATHLETIC FIELDS
GULF COAST STATE COLLEGE
BAY COUNTY, FLORIDA
FLORIDA

PROJECT NO. 782.010 SHEET C7

K:\782.010_GCS-PC_ATHLETIC_FIELDS\DWG\30\FOLDER\REFERENCE\782010_DSSA.DWG

| NO. | DATE | APPR. |
|-----|------|-------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |

NOT APPROVED UNLESS SIGNED BY PROFESSIONAL ENGINEER OR SURVEYOR

PREBLE-RISH INC.

ELIZABETH S. MOORE, 57607
JOHNATHAN SKLARSKI, 49451
PHILIP A. JONES, 49451

CHRIS SHORTT, 78424
JONATHAN SKLARSKI, 47281
CLIFFORD D. NELSON, 47971

EB 0000155