





CONSULTANTS:



FLORIDA  
ARCHITECTS  
LICENSE #AA0002730



CLIENT:

GULF COAST STATE  
COLLEGE

5230 US-98  
PANAMA CITY,  
FLORIDA 32401  
850.169.1551  
gulfcoast.edu

PROJECT:  
GCSC  
PHASE 3  
CAMPUS IMPROVEMENTS  
ITB # 8 - 2016/2017



RELEASE:

CONSTRUCTION DOCUMENTS

ENTER THE PROJECT NAME  
HERE

SCALE:

1" = 50'-0"

DATE:

05/05/17

DRAWN:

R.DAVIS

CHECKED:

J.SORCI

NO.

REVISION

DATE:

SHEET TITLE:

SIGNAGE

PROJECT

4166-15

SHEET

A0.1

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### DS-1a & DS-1b

8' X 8' DOUBLE SIDED MONUMENT  
DIRECTIONAL SIGN -  
NON-ILLUMINATED



8' x 8' East Face Double Sided Monument Directional Sign  
Non-Illuminated  
Project: Gulf Coast State College  
Gulf Coast State College  
DS-1a



8' x 8' West Face Double Sided Monument Directional Sign  
Non-Illuminated  
Project: Gulf Coast State College  
Gulf Coast State College  
DS-1b

### DS-2a & DS-2b

8' X 6' DOUBLE SIDED MONUMENT  
DIRECTIONAL SIGN -  
NON-ILLUMINATED



8' x 8' South Face Double Sided Monument Directional Sign  
Non-Illuminated  
Project: Gulf Coast State College  
Gulf Coast State College  
DS-2a



8' x 8' North Face Double Sided Monument Directional Sign  
Non-Illuminated  
Project: Gulf Coast State College  
Gulf Coast State College  
DS-2b

### DS-3a & DS-3b

8' X 8' DOUBLE SIDED MONUMENT  
DIRECTIONAL SIGN -  
NON-ILLUMINATED



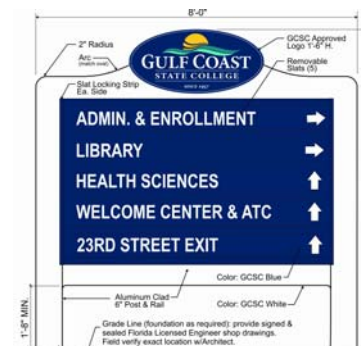
8' x 8' SW Face Double Sided Monument Directional Sign  
Non-Illuminated  
Project: Gulf Coast State College  
Gulf Coast State College  
DS-3a



8' x 8' NE Face Double Sided Monument Directional Sign  
Non-Illuminated  
Project: Gulf Coast State College  
Gulf Coast State College  
DS-3b

### DS-4a & DS-4b

8' X 8' DOUBLE SIDED MONUMENT  
DIRECTIONAL SIGN -  
NON-ILLUMINATED



8' x 8' SW Face Double Sided Monument Directional Sign  
Non-Illuminated  
Project: Gulf Coast State College  
Gulf Coast State College  
DS-4a



8' x 8' NE Face Double Sided Monument Directional Sign  
Non-Illuminated  
Project: Gulf Coast State College  
Gulf Coast State College  
DS-4b

### DS-5a & DS-5b

8' X 6' DOUBLE SIDED MONUMENT  
DIRECTIONAL SIGN -  
NON-ILLUMINATED



8' x 8' North Face Double Sided Monument Directional Sign  
Non-Illuminated  
Project: Gulf Coast State College  
Gulf Coast State College  
DS-5a



8' x 8' South Face Double Sided Monument Directional Sign  
Non-Illuminated  
Project: Gulf Coast State College  
Gulf Coast State College  
DS-5b

### DS-6a & DS-6b

8' X 6' DOUBLE SIDED MONUMENT  
DIRECTIONAL SIGN -  
NON-ILLUMINATED



8' x 8' SW Face Double Sided Monument Directional Sign  
Non-Illuminated  
Project: Gulf Coast State College  
Gulf Coast State College  
DS-6a



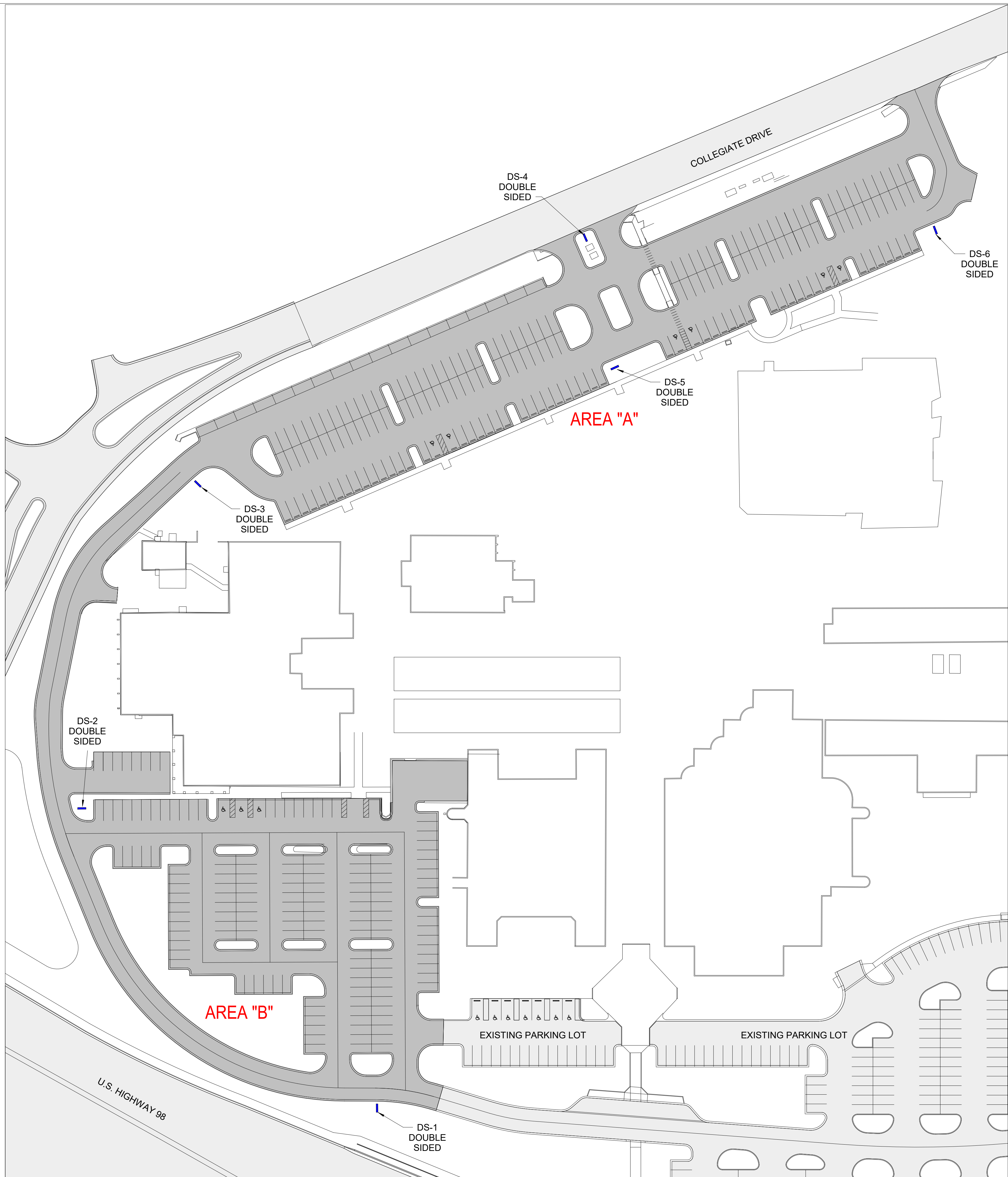
8' x 8' NE Face Double Sided Monument Directional Sign  
Non-Illuminated  
Project: Gulf Coast State College  
Gulf Coast State College  
DS-6b

SIGNAGE LEGEND

1" = 50'-0"

PHASE 3

1" = 50'-0"





CONSTRUCTION PLANS FOR:

# CAMPUS IMPROVEMENTS - PHASE III

PREPARED FOR:

## GULF COAST STATE COLLEGE

PREPARED BY:



203 ABERDEEN PKWY, PANAMA CITY, FL 32405  
(850) 522-0644

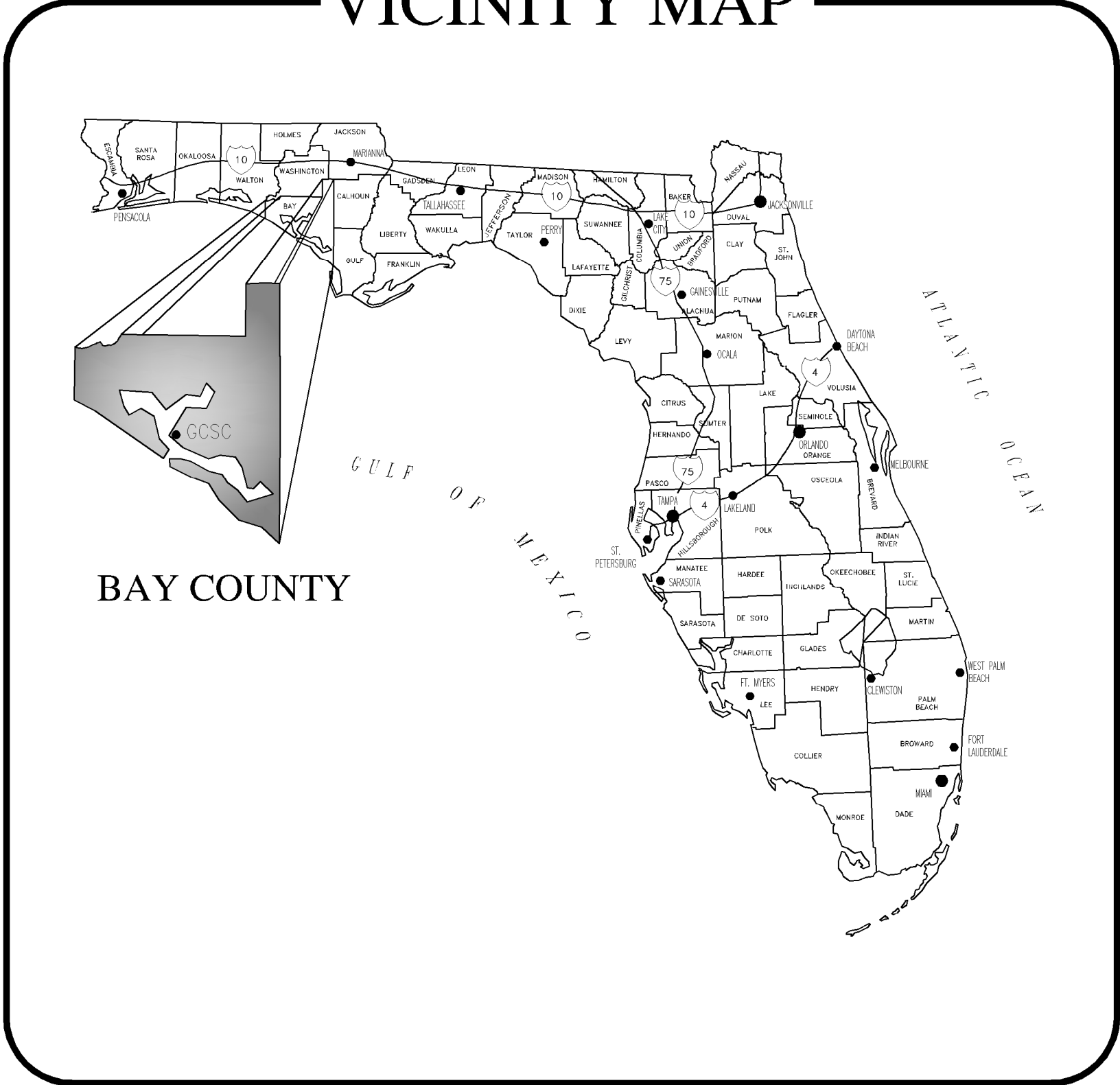
PROJECT NUMBER - 50090785  
MAY 2017

BID No. ITB#8-2016/2017

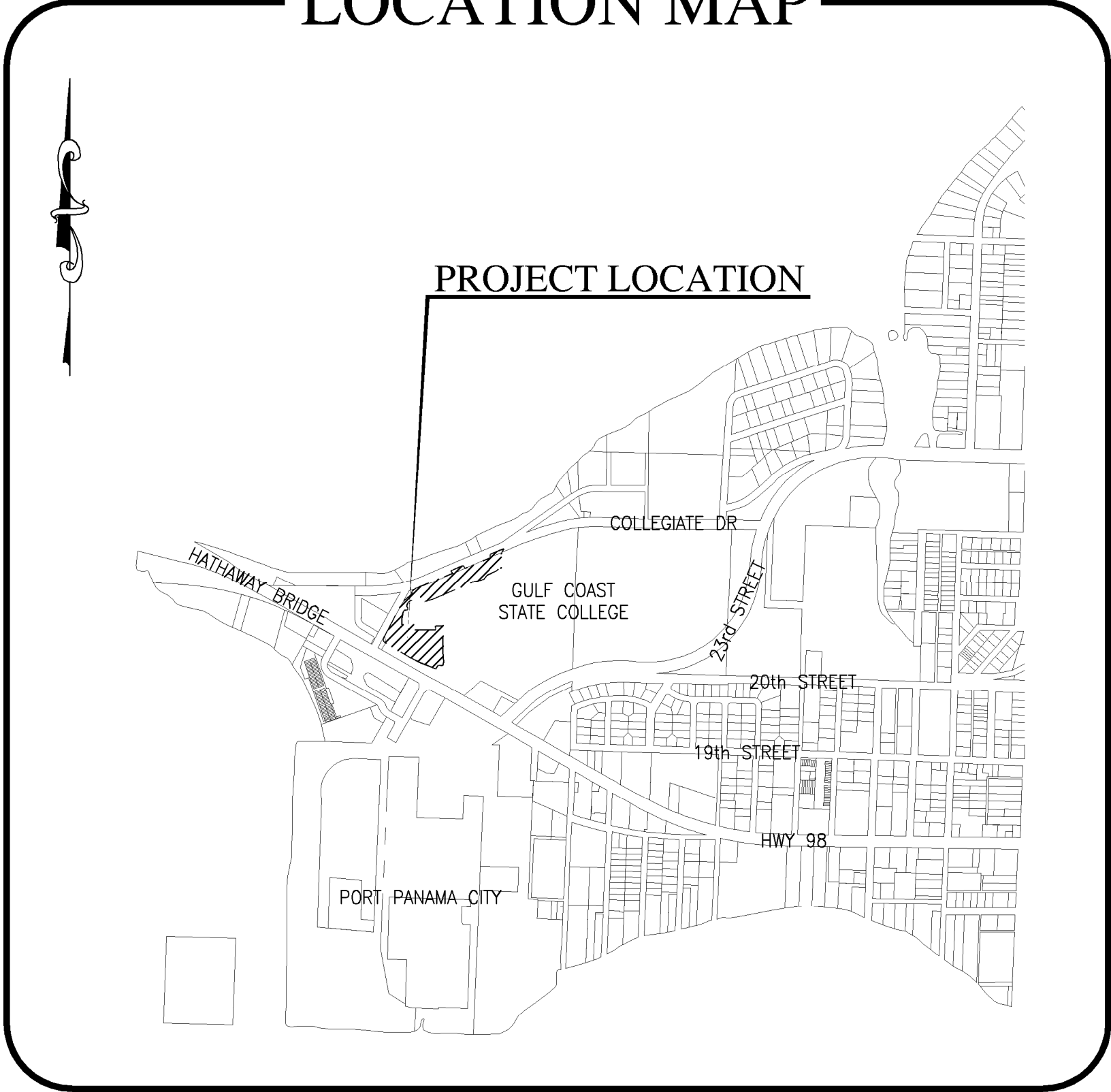
100% CONSTRUCTION  
DOCUMENTS

REV. NO.	REV. DATE	REVISION DESCRIPTION	RELEASED TO	RELEASE DATE

VICINITY MAP



LOCATION MAP



DRAWING INDEX

TITLE	NO.
COVER SHEET	C1
GENERAL NOTES	C2
OVERALL SITE PLAN -AERIAL	C3
OVERALL EXISTING CONDITIONS MAP	C4
EXISTING CONDITIONS MAPS	C5-C6
OVERALL DEMOLITION PLAN	C7
DEMOLITION PLANS	C8-C9
EROSION CONTROL PLAN	C10
SWPPP PLAN	C11
SWPPP DETAILS	C12
OVERALL GEOMETRY PLAN	C13
SITE GEOMETRY PLANS	C14-C15
PLAN AND PROFILE	C16
STORMWATER FACILITY PLAN AND DETAILS	C17
SITE GRADING PLANS	C18-C19
OVERALL UTILITY PLAN	C20
UTILITY PLANS	C21-C22
OVERALL SIGNAGE AND STRIPING PLAN	C23
SIGNAGE AND STRIPING PLANS	C24-C25
SIGNAGE DETAILS	C26
MISCELLANEOUS DETAILS	D1-D2



May 4, 2017 (11:12:27 EST)  
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GENERAL NOTES:

1.

THE BENCHMARK DATUM USED FOR THE PLANS IS NAVD88.
2.

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.
3.

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH FDOT 2013 DESIGN STANDARDS AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, UNLESS OTHERWISE STATED OR SHOWN IN THE PLANS.
4.

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF PANAMA CITY STANDARDS AND SPECIFICATIONS, UNLESS APPROVED BY THE CITY OF PANAMA CITY.
5.

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 ADMINSTRATOR 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.
6.

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.
7.

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.
8.

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.
9.

UTILITY ADJUSTMENTS ARE TO BE PERFORMED BY THE UTILITY OWNERS UNLESS OTHERWISE NOTED.
10.

SWEEPING SHALL OCCUR DAILY OR AFTER SUCH EVENTS AS CAUSE TRACKING ONTO STREET.
11.

ALL PROPOSED GROUND ELEVATIONS ARE FINISHED SOD ELEVATIONS. FINISH EARTHWORK GRADING SHALL BE 0.2 FEET BELOW ELEVATIONS SHOWN TO ALLOW FOR SOD THICKNESS.
12.

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.
13.

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.
14.

PROPOSED CONSTRUCTION SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (ADA). THE ADA COMPLIANCE HANDBOOK, LATEST EDITION, AND THE FLORIDA ACCESSIBILITY CODE. SIDEWALK CONSTRUCTION AND EXPANSION JOINT SPACING SHALL BE IN ACCORDANCE WITH FDOT DESIGN STANDARD INDEX 310.
15.

ALL INLETS SHALL BE PROTECTED AS PER FDEP BEST MANAGEMENT PRACTICES, AND THE FDEP/FDOT EROSION AND SEDIMENT CONTROL HANDBOOK.
16.

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.
17.

THE CONTRACTOR SHALL DISPOSE OF ALL DEBRIS UPON COMPLETION OF THE PROJECT.
18.

THE EROSION CONTROL PLAN SHALL BE IN ACCORDANCE WITH THE FDOT/FDEP EROSION & SEDIMENT CONTROL HANDBOOK.
19.

ALL FILL MATERIAL SHALL BE SELECT FILL AS DEFINED BY FDOT DESIGN STANDARD INDEX 505.
20.

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.
21.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING NPDES PERMIT.
22.

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.
23.

ALL PROPOSED INLETS SHALL HAVE 6" SUMP BOTTOMS. OPEN BOTTOMS SHALL NOT BE ALLOWED IN AREAS WHERE HIGH GROUNDWATER EXISTS.
24.

ALL DEMOLISHED MATERIALS SHALL BE REMOVED FROM SITE AND DISPOSED OF IN A LEGAL MANNER.
25.

CONTRACTOR SHALL PROVIDE (5) SIGNED AND SEALED AS-BUILT SURVEYS PREPARED BY A REGISTERED FLORIDA SURVEYOR. A DIGITAL (AUTOCAD) FILE SHALL ALSO BE PROVIDED.

UTILITY GENERAL NOTES:

1.

ALL MAINS SHALL BE INSTALLED ACCORDING TO ENGINEERING PLANS AND SPECIFICATIONS.
2.

ALL VALVES AND MATERIALS SHALL COMPLY WITH AWWA (AMERICAN WATER WORKS ASSOCIATION) STANDARDS, LATEST EDITION.
3.

ALL MAIN LINE VALVES SHALL BE RESILIENT SEATED GATE VALVES.
4.

THE CONTRACTOR WILL BE REQUIRED TO REMOVE & REPLACE ITEMS ENCOUNTERED IN THE FIELD, ie SIGNS, FENCING, POST, etc..
5.

MAINS SHALL HAVE A MINIMUM OF 36" COVER UNLESS APPROVED BY ENGINEER.
6.

CONTRACTOR IS TO FURNISH "AS BUILT PLANS" INDICATING LOCATIONS OF ALL FITTINGS, VALVES, AND DEAD END RUNS WITH THREE (3) PHYSICAL FEATURES (LOT CORNERS, TREES, ETC.).
7.

ALL WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA C651. PRESSURE TESTING SHALL BE IN ACCORDANCE WITH AWWA C600.
8.

CONTRACTOR SHALL NOTIFY AND COORDINATE WITH ENGINEER 48 HOURS PRIOR TO PRESSURE TESTING, DISINFECTION, AND BACTERIOLOGICAL TESTING. PRESSURE TESTING SHALL BE VALVE TO VALVE. CONTRACTOR SHALL USE 2" AIR RELEASE VALVE PORTS OR SHALL TAP THE WATER MAIN WITH A 1" TAPPING SADDLE.
9.

BASE AND BACKFILL MATERIALS SHALL BE EITHER OF THE SAME TYPE AND COMPOSITION AS THE MATERIALS REMOVED, OR OF EQUAL OR GREATER STRUCTURAL ADEQUACY. MATERIALS CONTAMINATED WITH DELETERIOUS SUBSTANCES DURING EXCAVATION SHALL NOT BE USED FOR FILL.
10.

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FITTINGS, TAPS, EQUIPMENT AS REQUIRED FOR FLUSHING SYSTEM, PRESSURE TESTING, DISINFECTION, AND BACTERIOLOGICAL TESTING.
11.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF EXISTING UTILITIES, AND TO DETERMINE IF OTHER UTILITIES WILL BE ENCOUNTERED DURING THE COURSE OF THE WORK, AND TAKE WHATEVER STEP NECESSARY TO PROVIDE FOR THEIR PROTECTION.
12.

UTILITIES SHOW ON THE PLAN MAY NOT BE ACCURATE AND ALL UTILITIES MAY NOT BE SHOWN.
13.

THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS 48 HOURS PRIOR TO COMMENCING CONSTRUCTION AND SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION.
14.

ALL VALVE BOXES SHALL BE INSTALLED PER DETAIL SHOWN. PRE-CAST VALVE PADS SHALL NOT BE USED. ALL VALVE BOX RISERS SHALL BE DUCTILE IRON, NOT PVC.
15.

ALL PAVEMENT SHALL BE CUT AND PATCHED IN ACCORDANCE WITH ENGINEERING PLANS AND SPECIFICATIONS.
16.

ALL CONCRETE ENCASED DUCTILE IRON SHALL BE WRAPPED WITH A PLASTIC MATERIAL AND TAPED TOGETHER BEFORE CONCRETE IS PLACED AROUND THE PIPE.
17.

WHERE THERE IS LESS THAN 12" CLEARANCE BETWEEN PVC/DI PIPE AND OTHER PIPE OR SPECIFIED AREAS, THE PIPE SHALL BE ENCASED WITH 6" THICKNESS AROUND THE PIPE AND 6" CLEARANCE EACH WAY IN THE AXIAL DIRECTION.
18.

THE CONTRACTOR SHALL REMOVE AND REPLACE, TO THEIR ORIGINAL NATURE, ALL DISTURBED MATERIALS OR OBJECTS WITHIN THE PATH OF THE NEW UTILITIES AS NECESSARY. ALL REPLACED MATERIALS SHALL BE EQUAL OR BETTER AND SHALL BE APPROVED BY THE ENGINEER. THIS INCLUDES ALL LANDSCAPING WITHIN THE RIGHT OF WAY IN THE PATH OF THE NEW UTILITIES.
19.

THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING. THE SURVEY MAY NOT SHOW ALL OBJECTS WITHIN THE PATH OF THE NEW UTILITIES. IF OBJECTS ARE NOT SHOWN ON THE SURVEY, THE CONTRACTOR SHALL NOTIFY THE ENGINEER WITHIN 7 DAYS PRIOR TO THE BID DATE. CONTRACTOR WILL BE RESPONSIBLE FOR REPLACEMENT OF ALL OBJECTS NOT SHOWN ON THE SURVEY.
20.

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.
21.

ALL SPOIL MATERIAL SHALL BE PLACED ON THE UPLAND SIDE OF ANY SLOPED CONSTRUCTION AREA.
22.

THE CONTRACTOR SHALL TAKE WHATEVER STEPS NECESSARY TO PREVENT EROSION INTO NEARBY WETLANDS.
23.

THE CONTRACTOR SHALL USE RESTRAINED JOINT PIPE FOR ALL BENDS, TEES, VALVES, AND TRANSITION FITTINGS.
24.

INSULATED 12 GA. LOCATING WIRE SHALL BE INSTALLED ON TOP OF ALL NON-METALIC PIPE, WHICH INCLUDES SERVICE CONNECTIONS. ALL LOCATING WIRE SHALL BE CONNECTED AND SHALL TERMINATE IN VALVE BOXES AND METER BOXES AS SHOWN IN THE DETAILS.
25.

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.
26.

THE FLUSHING VELOCITY SHALL BE A MINIMUM OF 3 FEET PER SECOND FOR 3 TIMES THE PIPE VOLUME. THE OWNER WILL PAY FOR THE FIRST FLUSH AND PRESSURE TEST WATER. THE CONTRACTOR WILL PAY FOR ANY WATER FOR ADDITIONAL REPAIRS, FLUSHING, AND TESTING. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY ABOVE GROUND OUTLETS AND VALVES FOR FLUSHING THE PIPES ON THIS PROJECT.
27.

CONTRACTOR SHALL FOLLOW ALL OSHA REQUIREMENTS FOR CONSTRUCTION.
28.

THE CONTRACTOR SHALL FOLLOW ALL CONDITIONS OF THE PERMIT REQUIREMENTS. SEE SPECIFICATIONS FOR COPY OF PERMITS.
29.

ALL DISTURBED AREAS SHALL BE SODDED.
30.

A ONE FOOT STRIP OF SOD SHALL BE INSTALLED ON THE EDGE OF ALL ASPHALT OVERLAY AREAS AND AROUND ALL ABOVE GROUND CONCRETE STRUCTURES INCLUDING BUT NOT LIMITED TO VALVE PADS, BLOW OFF VAULTS, AND AIR RELEASE VAULTS.
31.

CONTRACTOR SHALL PROVIDE ALL FITTINGS, SLEEVES AND TRANSITION ADAPTERS AS NECESSARY TO COMPLETE THIS PROJECT.
32.

CONTRACTOR SHALL COMPLETE RESTORATION WITHIN 2 WEEKS OF SUCCESSFUL PIPE PRESSURE TESTING AT ANY GIVEN LOCATION. TEST SHALL BE PERFORMED VALVE TO VALVE WITHIN ONE WEEK OF COMPLETING THAT SECTION. PRESSURE TESTING SHALL TAKE PLACE EVERY 2 WEEKS DURING CONSTRUCTION FOR ANY PIPE INSTALLED IN THAT PERIOD.

UTILITY CONTACTS:

OWNER	CONTACT	PHONE
BAY COUNTY TRAFFIC	BOB EDMUNDS	850-249-8780
CITY OF PANAMA CITY	CHRIS LIGHTFOOT	850-872-3191
KNOLOGY HOLDINGS	STEVE THOMAS	850-215-2138
COMCAST CABLE	JEFFERY SMITH	850-770-8056
SOUTHERN LIGHT	ANDRO BRAMBLETT	251-662-1170
GULF POWER	KENNY DOUGLAS	850-505-5967
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:

1.

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.
2.

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.
3.

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.
4.

TEMPORARY EROSION CONTROL SHALL CONSIST OF TEMPORARY GRASS, TEMPORARY MULCH, TEMPORARY SOD, ARTIFICIAL COVERINGS, BALD 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.
5.

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.
6.

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.
7.

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 2:1. DRAINAGE DITCHES OR LARGE SWALES MUST HAVE ADDITIONAL PROTECTION BESIDES HYDRO-SEEDING.
8.

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 BE NECESSARY TO COVER SOD WITH ARTIFICIAL COVERINGS SUCH AS JUTE MESH UNTIL SOD BECOMES ESTABLISHED.
9.

TEMPORARY EROSION CONTROL BY ARTIFICIAL COVERINGS SHALL CONSIST OF STRAW BLANKETS, COCONUT FIBER BLANKETS, POLYESTER BLANKETS, JUTE MESH, AND DRAINAGE FABRICS. MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. SEEDING SHALL BE INCLUDED IF MATERIAL REQUIRES VEGETATION TO FUNCTION PROPERLY.
10.

THE CONTRACTOR IS TO PROVIDE EROSION CONTROL/ SEDIMENTATION 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.
11.

CONTRACTOR SHALL PLACE STRAW, MULCH, OR OTHER SUITABLE MATERIAL ON GROUND IN AREAS WHERE CONSTRUCTION-RELATED TRAFFIC IS TO ENTER AND EXIT SITE.
12.

IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR SHALL STABILIZE THE AREA USING SPRINKLING IRRIGATION OR OTHER ACCEPTABLE METHODS.

MAINTENANCE:

13.

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.
14.

SILT FENCES AND TURBIDITY BARRIERS SHALL BE CHECKED DAILY FOR EFFECTIVENESS, BREACHES, AND ROUTINE MAINTENANCE.

PAVING, GRADING, AND EARTH WORK NOTES:

CONSTRUCTION:

1.

ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE SEEDDED, MULCHED, SODDED, STABILIZED, OR PLANTED WITH OTHER APPROVED LANDSCAPE MATERIAL, WITHIN FIVE (5) DAYS AFTER CONSTRUCTION.
2.

ALL WASTE MATERIAL SHALL BE DISPOSED OF OFFSITE IN ACCORDANCE WITH APPLICABLE REGULATIONS.
3.

PROPOSED SPOT ELEVATIONS REPRESENT PAVEMENT OR GROUND SURFACE GRADE UNLESS OTHERWISE NOTED ON DRAWINGS.
4.

CONTRACTOR TO PROVIDE 1/2" TO 1" BITUMINOUS EXPANSION JOINT MATERIAL WITH SEALER AT ABUTMENT OF CONCRETE AND OTHER MATERIALS (BUILDINGS, OTHER POURED CONCRETE, ETC.) EXCEPT ASPHALT.
5.

CONTRACTOR SHALL TRIM, TACK AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE NEW PAVEMENT ABUTS.
6.

TESTING SHALL BE IN GENERAL CONFORMANCE WITH THE FDOT SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. SELECTION AND CONTRACTING WITH THE TESTING FIRMS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE AND SCHEDULE ALL TESTS, AND PROVIDE TO THE ENGINEER OF RECORD.
7.

ALL POTHoles WITHIN THE LIMITS OF PROJECT SHALL BE FILLED WITH ASPHALT AND COMPACTED PRIOR TO RESURFACING.
8.

TOP SOIL SHALL BE PLACED IN AREAS WHERE SOD IS PROPOSED, PRIOR TO INSTALLATION OF SOD.

SIGNING AND MARKING NOTES:

1.

FOR SIGN DETAILS, USE THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES PUBLISHED BY THE US DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION, 2009.
2.

ALL SIGNAGE AND WHEEL STOPS SHALL BE REMOVED AND STOCKPILED ON SITE. CONTRACTOR SHALL COORDINATE STOCKPILE LOCATION WITH PROJECT ADMINISTRATOR.
3.

THE SIGN LOCATIONS ARE APPROXIMATE AND MAY REQUIRE FIELD ADJUSTMENT AS DIRECTED BY THE PROJECT ADMINISTRATOR.
4.

GRASS AND PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH CURRENT MUTCD, AMERICANS WITH DISABILITIES ACT, FDOT DESIGN STANDARDS (CURRENT EDITION), AND THE PLANS.
5.

THE PAVEMENT MARKINGS AT ALL EXISTING/PROPOSED INTERFACE LOCATIONS SHALL MATCH IN TERMS OF ALIGNMENT AND COLOR.
6.

ALL FINAL PROPOSED STRIPING AND MESSAGES SHALL BE THERMOPLASTIC. TEMPORARY STRIPING SHALL BE PAINT.



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FL P.E. 67361

Principal in Charge  
Joseph J. Sorci  
Project Number:  
4166-15  
Date Issued:  
5-4-2017  
Drawn By:  
M.W.  
Checked By:  
J.S.  
Revisions:

BID No.  
ITB#8-2016/2017



GULF COAST STATE COLLEGE

CAMPUS IMPROVEMENTS

PHASE III

GENERAL NOTES

CONSTRUCTION  
DOCUMENTS

Sheet Number

C2

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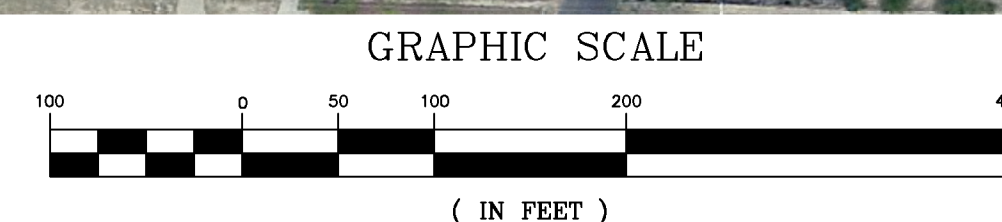


GULF COAST STATE COLLEGE  
CAMPUS IMPROVEMENTS  
PHASE III

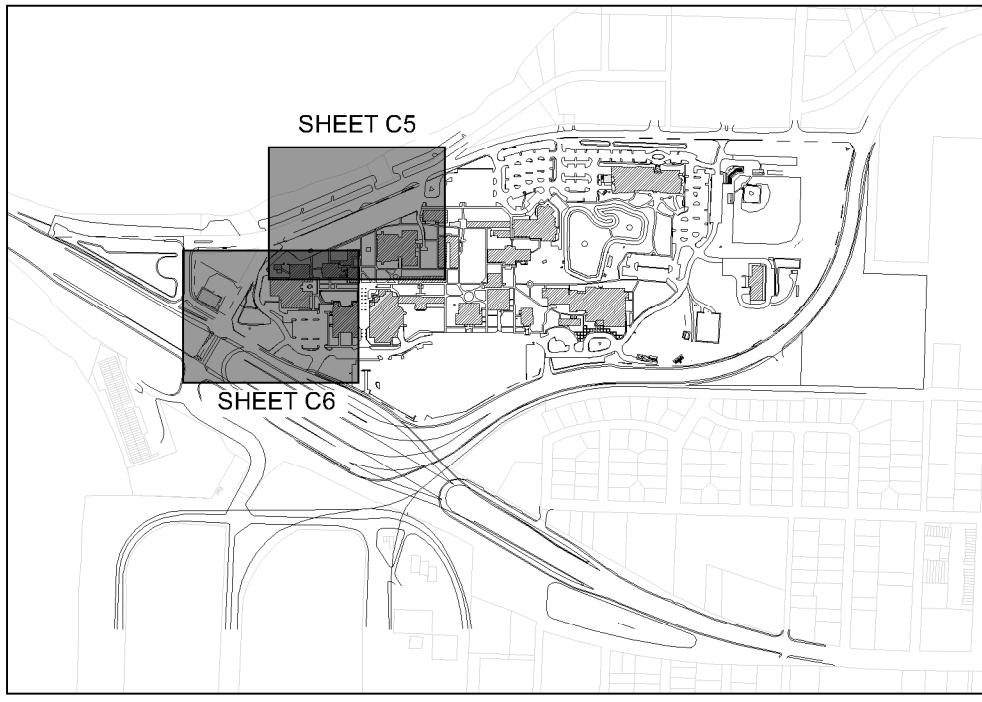
OVERALL SITE  
PLAN - AERIAL

CONSTRUCTION  
DOCUMENTS

C3

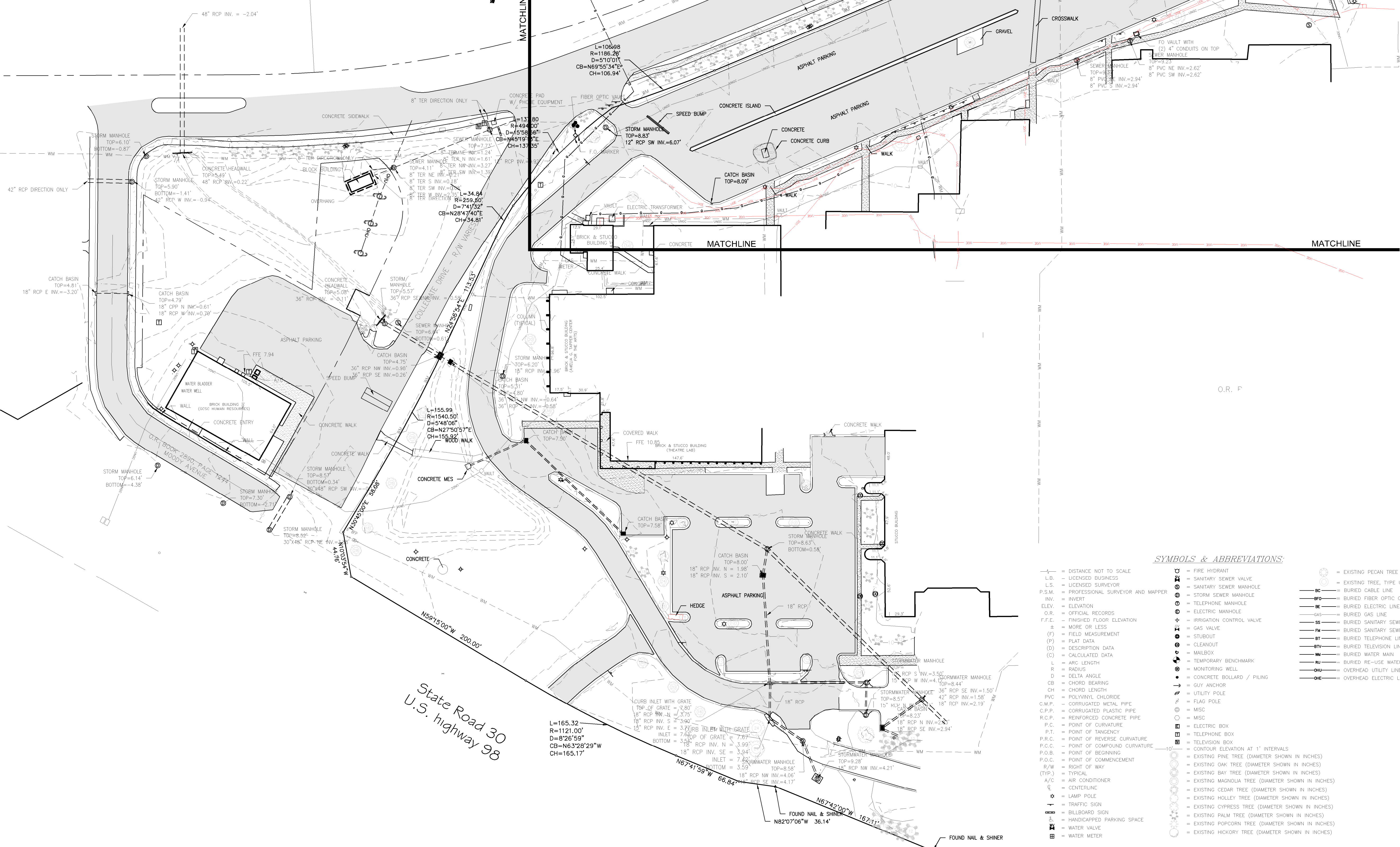






KEY MAP  
N.T.S.

0' 25' 50' 100'  
SCALE: 1" = 50'



SYMBOLS & ABBREVIATIONS:

- |   |   |
|---|---|
| — = DISTANCE NOT TO SCALE                 | — = EXISTING PECAN TREE (DIAMETER SHOWN)              |
| L.B. = LICENSED BUSINESS                  | — = EXISTING TREE, TYPE UNKNOWN (DIAMETER)            |
| L.S. = LICENSED SURVEYOR                  | — = BURIED CABLE LINE                                 |
| P.S.M. = PROFESSIONAL SURVEYOR AND MAPPER | — = SANITARY SEWER MANHOLE                            |
| INV. = INVERT                             | — = STORM SEWER MANHOLE                               |
| ELEV. = ELEVATION                         | — = BURIED FIBER OPTIC CABLE LINE                     |
| O.R. = OFFICIAL RECORDS                   | — = BURIED ELECTRIC LINE                              |
| F.F.E. = FINISHED FLOOR ELEVATION         | — = BURIED GAS LINE                                   |
| ± = MORE OR LESS                          | — = BURIED SANITARY SEWER GRAVITY LINE                |
| (F) = FIELD MEASUREMENT                   | — = BURIED SANITARY SEWER FORCE MAIN                  |
| (P) = PLAT DATA                           | — = BURIED TELEPHONE LINE                             |
| (D) = DESCRIPTION DATA                    | — = BURIED TELEVISION LINE                            |
| (C) = CALCULATED DATA                     | — = BURIED WATER MAIN                                 |
| L = ARC LENGTH                            | — = TEMPORARY BENCHMARK                               |
| R = RADIUS                                | — = MONITORING WELL                                   |
| Δ = DELTA ANGLE                           | — = CONCRETE BOLLARD / PILING                         |
| CB = CHORD BEARING                        | — = UTILITY POLE                                      |
| CH = CHORD LENGTH                         | — = FLAG POLE   |
| PVC = POLYVINYL CHLORIDE                  | — = MISC  |
| C.M.P. = CORRUGATED METAL PIPE            | — = ELECTRIC BOX                                      |
| C.P.P. = CORRUGATED PLASTIC PIPE          | — = TELEPHONE BOX                                     |
| R.C.P. = REINFORCED CONCRETE PIPE         | — = TELEVISION BOX                                    |
| P.C. = POINT OF CURVATURE                 | — = CONTOUR ELEVATION AT 1' INTERVALS                 |
| P.T. = POINT OF TANGENCY                  | — = EXISTING PINE TREE (DIAMETER SHOWN IN INCHES)     |
| P.R.C. = POINT OF REVERSE CURVATURE       | — = EXISTING OAK TREE (DIAMETER SHOWN IN INCHES)      |
| P.O.C. = POINT OF BEGINNING               | — = EXISTING BAY TREE (DIAMETER SHOWN IN INCHES)      |
| P.O.C. = POINT OF COMMENCEMENT            | — = EXISTING MAGNOLIA TREE (DIAMETER SHOWN IN INCHES) |
| R/W = RIGHT OF WAY                        | — = EXISTING CEDAR TREE (DIAMETER SHOWN IN INCHES)    |
| (TYP.) = TYPICAL                          | — = EXISTING HOLLEY TREE (DIAMETER SHOWN IN INCHES)   |
| A/C = AIR CONDITIONER                     | — = EXISTING CYPRESS TREE (DIAMETER SHOWN IN INCHES)  |
| ⊙ = CENTERLINE                            | — = EXISTING PALM TREE (DIAMETER SHOWN IN INCHES)     |
| ⊙ = LAMP POLE                             | — = EXISTING POPCORN TREE (DIAMETER SHOWN IN INCHES)  |
| ⊙ = TRAFFIC SIGN                          | — = EXISTING HICKORY TREE (DIAMETER SHOWN IN INCHES)  |
| ⊙ = BILLBOARD SIGN                        |   |
| ⊙ = HANDICAPPED PARKING SPACE             |   |
| ⊙ = WATER VALVE                           |   |
| ⊙ = WATER METER                           |   |

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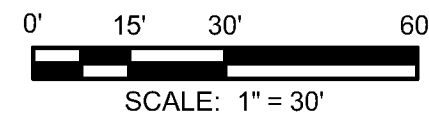
GULF COAST STATE COLLEGE  
CAMPUS IMPROVEMENTS  
PHASE III

OVERALL  
EXISTING  
CONDITIONS MAP

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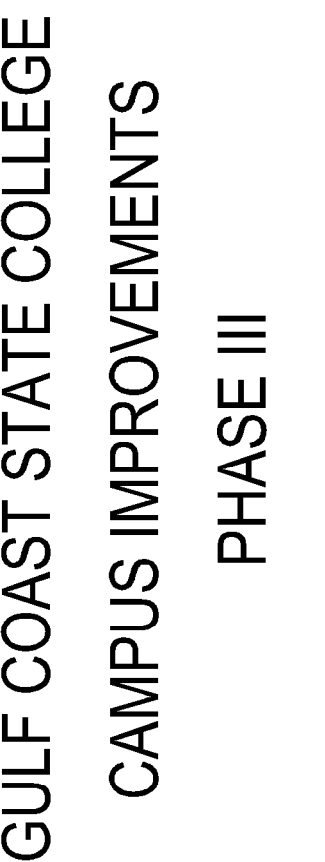


MATCHLINE

—	= DISTANCE NOT TO SCALE		= FIRE HYDRANT		= EXISTING PECAN TREE (DIAMETER SHOWN IN INCHES)
LB	= LICENSED BUSINESS		= SANITARY SEWER VALVE		= EXISTING TREE, TYPE UNKNOWN (DIAMETER SHOWN IN INCHES)
LS	= LICENSED SURVEYOR		= SANITARY SEWER MANHOLE		= BURIED CABLE LINE
P.S.M.	= PROFESSIONAL SURVEYOR AND MAPPER		= STORM SEWER MANHOLE		= BURIED FIBER OPTIC CABLE LINE
RM	= INSERT		= TELEPHONE MANHOLE		= BURIED ELECTRIC LINE
ELEV.	= ELEVATION		= ELECTRIC MANHOLE		= BURIED GAS LINE
O.R.	= OFFICIAL RECORDS		= IRRIGATION CONTROL VALVE		= BURIED SANITARY SEWER GRAVITY LINE
F.F.E.	= FINISHED FLOOR ELEVATION		= GAS VALVE		= BURIED SANITARY SEWER FORCE MAIN
±	= MORE OR LESS		= STUBOUT		= BURIED TELEPHONE LINE
(F)	= FIELD MEASUREMENT		= CLEANOUT		= BURIED TELEVISION LINE
(P)	= PLAT DATA		= MAILBOX		= BURIED WATER MAIN
(D)	= DESCRIPTION DATA		= TEMPORARY BENCHMARK		= BURIED RE-USE WATER MAIN
(C)	= CALCULATED DATA		= MONITORING WELL		= OVERHEAD UTILITY LINE
L	= ARC LENGTH		= CATTLE BULLDO / PILING		= OVERHEAD ELECTRIC LINE
R	= RADIUS		= GUY ANCHOR		
DB	= DELTA ANGLE		= UTILITY POLE		
CB	= CHORD BEARING		= FLAG POLE		
CH	= CHORD LENGTH		= MISC		
PVC	= POLYVINYL CHLORIDE		= MISC		
C.M.P.	= CORRUGATED METAL PIPE		= ELECTRIC BOX		
C.F.P.	= CORRUGATED PLASTIC PIPE		= TELEPHONE BOX		
R.C.P.	= REINFORCED CONCRETE PIPE		= TELEVISION BOX		
P.C.	= POINT OF CURVATURE		= CONTOUR ELEVATION AT 1' INTERVALS		
P.T.	= POINT OF TANGENCY		= EXISTING PINE TREE (DIAMETER SHOWN IN INCHES)		
P.R.C.	= POINT OF REVERSE CURVATURE		= EXISTING OAK TREE (DIAMETER SHOWN IN INCHES)		
P.C.C.	= POINT OF COMPOUND CURVATURE		= EXISTING BAY TREE (DIAMETER SHOWN IN INCHES)		
P.O.B.	= POINT OF BEGINNING		= EXISTING MAGNOLIA TREE (DIAMETER SHOWN IN INCHES)		
P.O.C.	= POINT OF COMMENCEMENT		= EXISTING CEDAR TREE (DIAMETER SHOWN IN INCHES)		
R/Y/W	= RIGHT OF WAY		= EXISTING HOLLEY TREE (DIAMETER SHOWN IN INCHES)		
(TYP)	= TYPICAL		= EXISTING CYPRESS TREE (DIAMETER SHOWN IN INCHES)		
A/C	= AIR CONDITIONER		= EXISTING PALM TREE (DIAMETER SHOWN IN INCHES)		
⊙	= CENTERLINE		= EXISTING POPCORN TREE (DIAMETER SHOWN IN INCHES)		
⊙	= LAMP POLE		= EXISTING HICKORY TREE (DIAMETER SHOWN IN INCHES)		
⊙	= TRAFFIC SIGN				
⊙	= BILLBOARD SIGN				
⊙	= HANDICAPPED PARKING SPACE				
⊙	= WATER VALVE				
⊙	= WATER METER				

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M.W.  
Checked By:  
J.S.  
Revisions:  
  
BID No.  
3#8-2016/2017



# EXISTING CONDITIONS MAP A

CONSTRUCTION  
DOCUMENTS

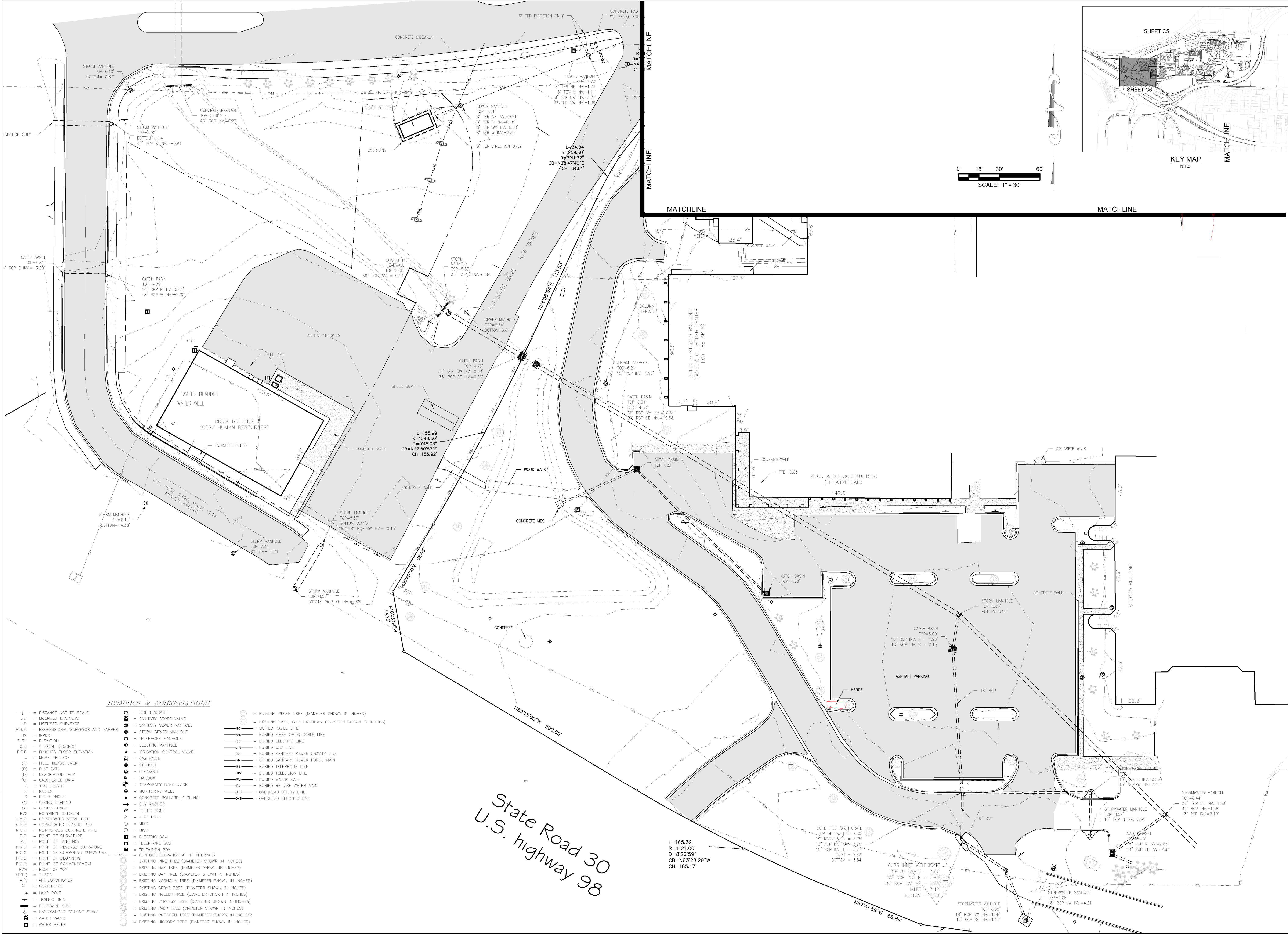
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**SYMBOLS & ABBREVIATIONS:**

- |        |                                  |   |  |
|--------|----------------------------------|---|--|
| —      | DISTANCE NOT TO SCALE            | — | EXISTING PECAN TREE (DIAMETER SHOWN IN INCHES)         |
| L.B.   | LICENSED BUSINESS                | — | EXISTING TREE, TYPE UNKNOWN (DIAMETER SHOWN IN INCHES) |
| L.S.   | LICENSED SURVEYOR                | — | EXISTING BAY TREE (DIAMETER SHOWN IN INCHES)           |
| P.S.M. | PROFESSIONAL SURVEYOR AND MAPPER | — | EXISTING MANHOLE (DIAMETER SHOWN IN INCHES)            |
| INW    | INVERT                           | — | EXISTING MANHOLE (DIAMETER SHOWN IN INCHES)            |
| ELEV.  | ELEVATION                        | — | EXISTING CEDAR TREE (DIAMETER SHOWN IN INCHES)         |
| O.R.   | OFFICIAL RECORDS                 | — | EXISTING HOLLEY TREE (DIAMETER SHOWN IN INCHES)        |
| F.F.E. | FINISHED FLOOR ELEVATION         | — | EXISTING CYPRESS TREE (DIAMETER SHOWN IN INCHES)       |
| ±      | MORE OR LESS                     | — | EXISTING PALM TREE (DIAMETER SHOWN IN INCHES)          |
| (F)    | FIELD MEASUREMENT                | — | EXISTING POPOORN TREE (DIAMETER SHOWN IN INCHES)       |
| (P)    | PLAT DATA                        | — | EXISTING HICKORY TREE (DIAMETER SHOWN IN INCHES)       |
| (D)    | DESCRIPTION DATA                 | — |  |
| (C)    | CALCULATED DATA                  | — |  |
| L      | ARC LENGTH                       | — |  |
| R      | RADIUS                           | — |  |
| Δ      | DELTA ANGLE                      | — |  |
| CB     | CHORD BEARING                    | — |  |
| CH     | CHORD LENGTH                     | — |  |
| PVC    | POLYVINYL CHLORIDE               | — |  |
| C.M.P. | CORRUGATED METAL PIPE            | — |  |
| C.P.P. | CORRUGATED PLASTIC PIPE          | — |  |
| R.C.P. | REINFORCED CONCRETE PIPE         | — |  |
| P.C.   | POINT OF CURVATURE               | — |  |
| P.T.   | POINT OF TANGENCY                | — |  |
| P.R.C. | POINT OF REVERSE CURVATURE       | — |  |
| P.C.C. | POINT OF COMPOUND CURVATURE      | — |  |
| P.O.B. | POINT OF BEGINNING               | — |  |
| P.O.C. | POINT OF COMMENCEMENT            | — |  |
| R/W    | RIGHT OF WAY                     | — |  |
| (TYP.) | TYPICAL                          | — |  |
| A/C    | AIR CONDITIONER                  | — |  |
| —      | CENTERLINE                       | — |  |
| —      | LAMP POLE                        | — |  |
| —      | TRAFFIC SIGN                     | — |  |
| —      | BILLBOARD SIGN                   | — |  |
| —      | HANDICAPPED PARKING SPACE        | — |  |
| —      | WATER VALVE                      | — |  |
| —      | WATER METER                      | — |  |
- |   |  |   |  |
|---|--|---|--|
| — | SANITARY SEWER VALVE                             | — | EXISTING PINE TREE (DIAMETER SHOWN IN INCHES)    |
| — | SANITARY SEWER MANHOLE                           | — | EXISTING OAK TREE (DIAMETER SHOWN IN INCHES)     |
| — | STORM SEWER MANHOLE                              | — | EXISTING BAY TREE (DIAMETER SHOWN IN INCHES)     |
| — | TELEPHONE MANHOLE                                | — | EXISTING MANHOLE (DIAMETER SHOWN IN INCHES)      |
| — | ELECTRIC MANHOLE                                 | — | EXISTING CEDAR TREE (DIAMETER SHOWN IN INCHES)   |
| — | IRRIGATION CONTROL VALVE                         | — | EXISTING HOLLEY TREE (DIAMETER SHOWN IN INCHES)  |
| — | GAS VALVE  | — | EXISTING CYPRESS TREE (DIAMETER SHOWN IN INCHES) |
| — | STUBOUT  | — | EXISTING PALM TREE (DIAMETER SHOWN IN INCHES)    |
| — | CLEANOUT   | — | EXISTING POPOORN TREE (DIAMETER SHOWN IN INCHES) |
| — | MAILBOX  | — |  |
| — | TEMPORARY BENCHMARK                              | — |  |
| — | MONITORING WELL                                  | — |  |
| — | CONCRETE BOLLARD / PILING                        | — |  |
| — | GUY ANCHOR                                       | — |  |
| — | UTILITY POLE                                     | — |  |
| — | FLAG POLE  | — |  |
| — | MISC   | — |  |
| — | MISC   | — |  |
| — | ELECTRIC BOX                                     | — |  |
| — | TELEPHONE BOX                                    | — |  |
| — | TELEVISION BOX                                   | — |  |
| — | CONTOUR ELEVATION AT 1' INTERVALS                | — |  |
| — | EXISTING PINE TREE (DIAMETER SHOWN IN INCHES)    | — |  |
| — | EXISTING OAK TREE (DIAMETER SHOWN IN INCHES)     | — |  |
| — | EXISTING BAY TREE (DIAMETER SHOWN IN INCHES)     | — |  |
| — | EXISTING MANHOLE (DIAMETER SHOWN IN INCHES)      | — |  |
| — | EXISTING CEDAR TREE (DIAMETER SHOWN IN INCHES)   | — |  |
| — | EXISTING HOLLEY TREE (DIAMETER SHOWN IN INCHES)  | — |  |
| — | EXISTING CYPRESS TREE (DIAMETER SHOWN IN INCHES) | — |  |
| — | EXISTING PALM TREE (DIAMETER SHOWN IN INCHES)    | — |  |
| — | EXISTING POPOORN TREE (DIAMETER SHOWN IN INCHES) | — |  |
| — | EXISTING HICKORY TREE (DIAMETER SHOWN IN INCHES) | — |  |

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**Dowberry**  
PRBLE-RISH

GULF COAST STATE COLLEGE  
CAMPUS IMPROVEMENTS  
PHASE III

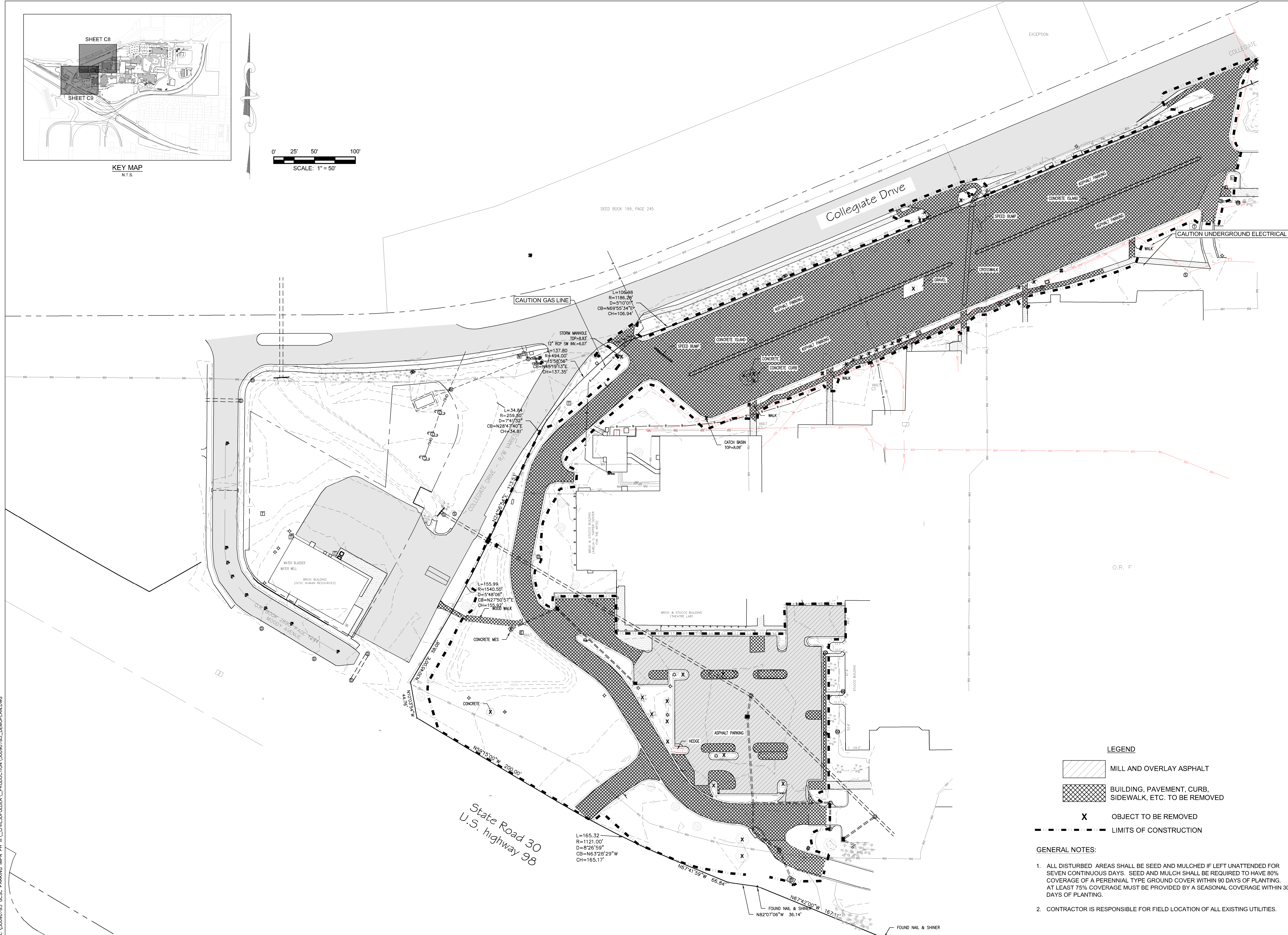
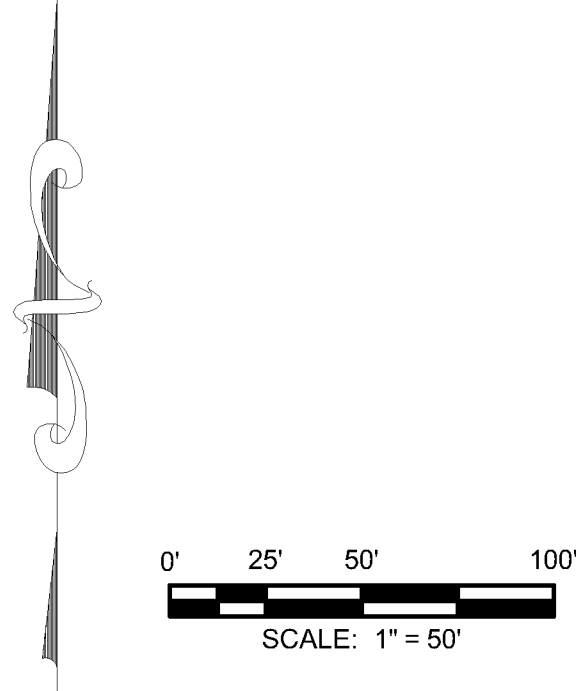
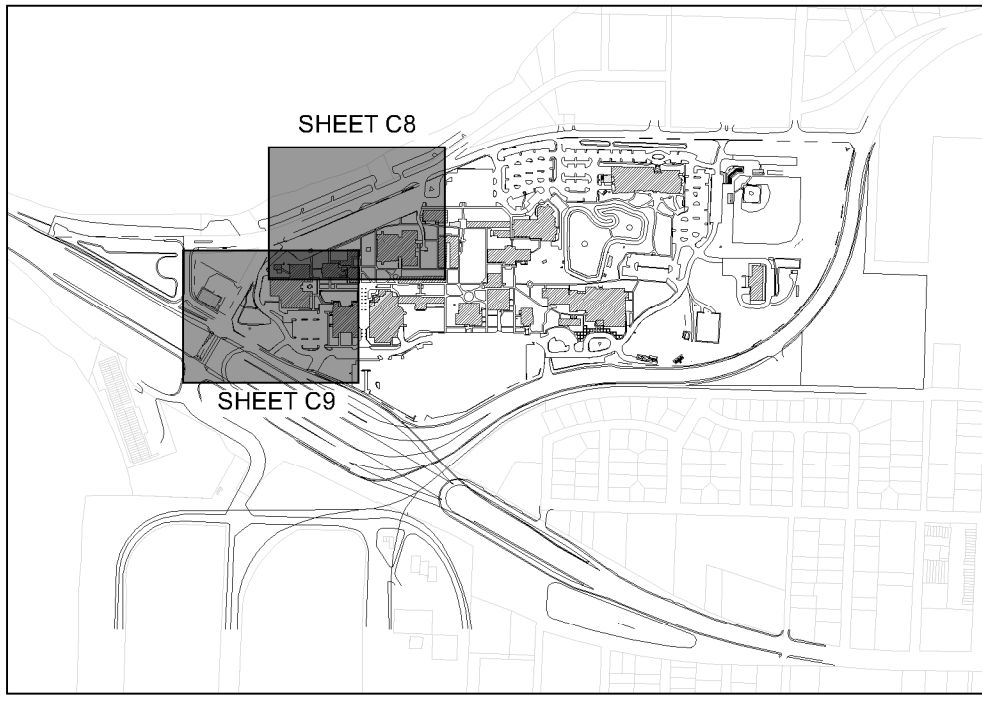
EXISTING  
CONDITIONS MAP  
B

CONSTRUCTION  
DOCUMENTS  
Sheet Number  
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**LEGEND**

	MILL AND OVERLAY ASPHALT
	BUILDING, PAVEMENT, CURB, SIDEWALK, ETC. TO BE REMOVED
	OBJECT TO BE REMOVED
	LIMITS OF CONSTRUCTION

- GENERAL NOTES:**
- ALL DISTURBED AREAS SHALL BE SEED AND MULCHED IF LEFT UNATTENDED FOR SEVEN CONTINUOUS DAYS. SEED AND MULCH SHALL BE REQUIRED TO HAVE 80% COVERAGE OF A PERENNIAL TYPE GROUND COVER WITHIN 90 DAYS OF PLANTING. AT LEAST 75% COVERAGE MUST BE PROVIDED BY A SEASONAL COVERAGE WITHIN 30 DAYS OF PLANTING.
  - CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATION OF ALL EXISTING UTILITIES.

JONATHAN SKLARSKI  
FL P.E. 67361

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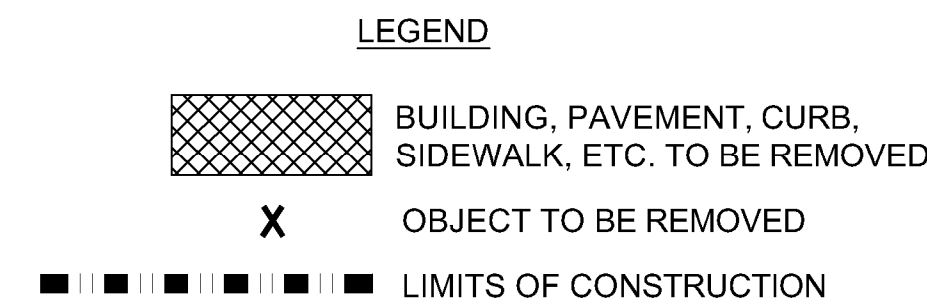
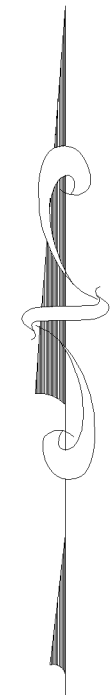
GULF COAST STATE COLLEGE  
CAMPUS IMPROVEMENTS  
PHASE III

OVERALL  
DEMOLITION  
PLAN

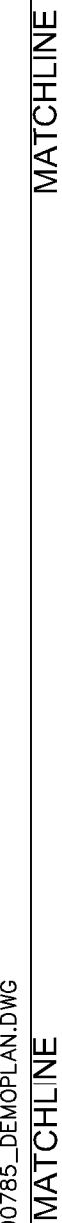
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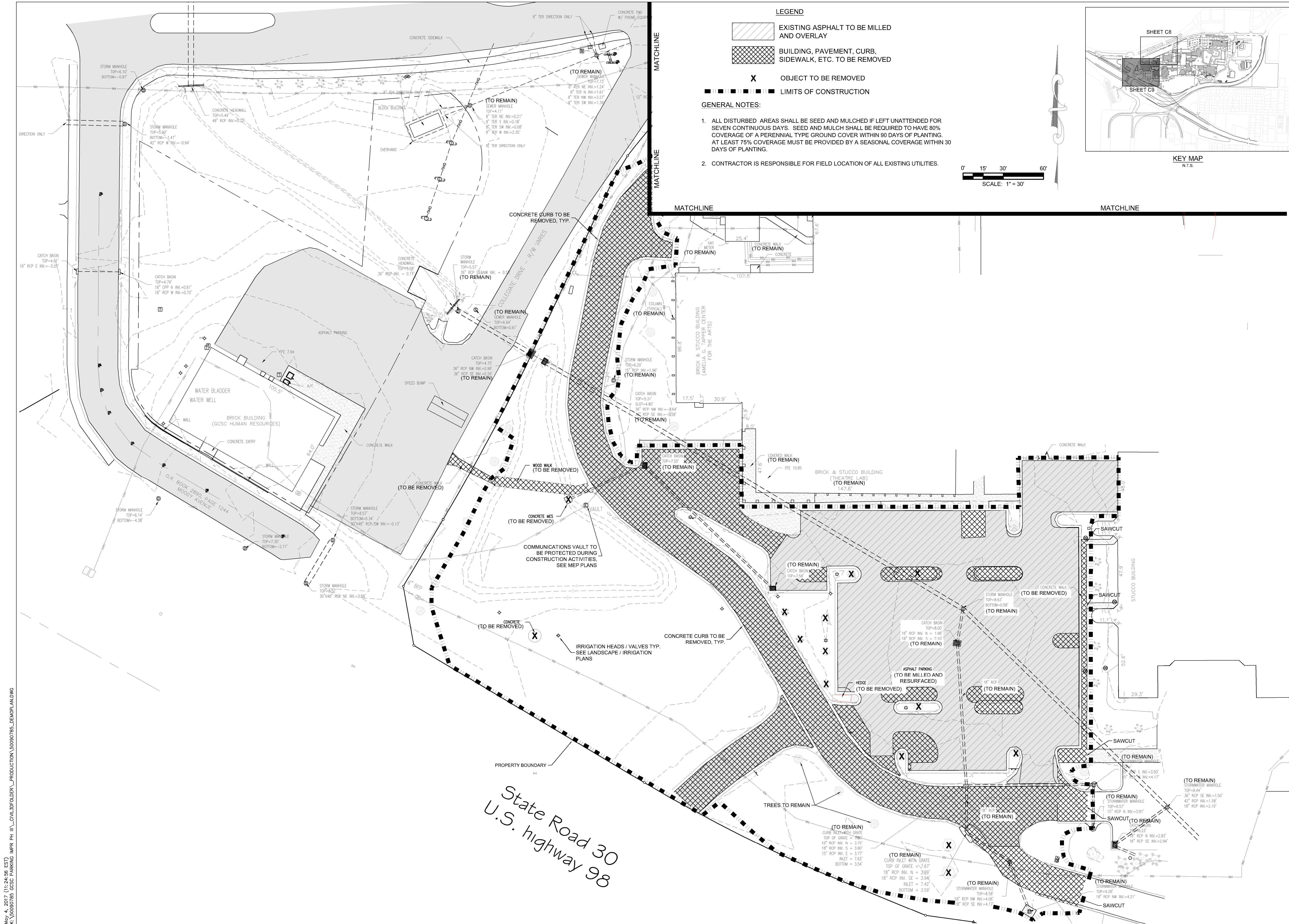




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2. CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATION OF ALL EXISTING UTILITIES.













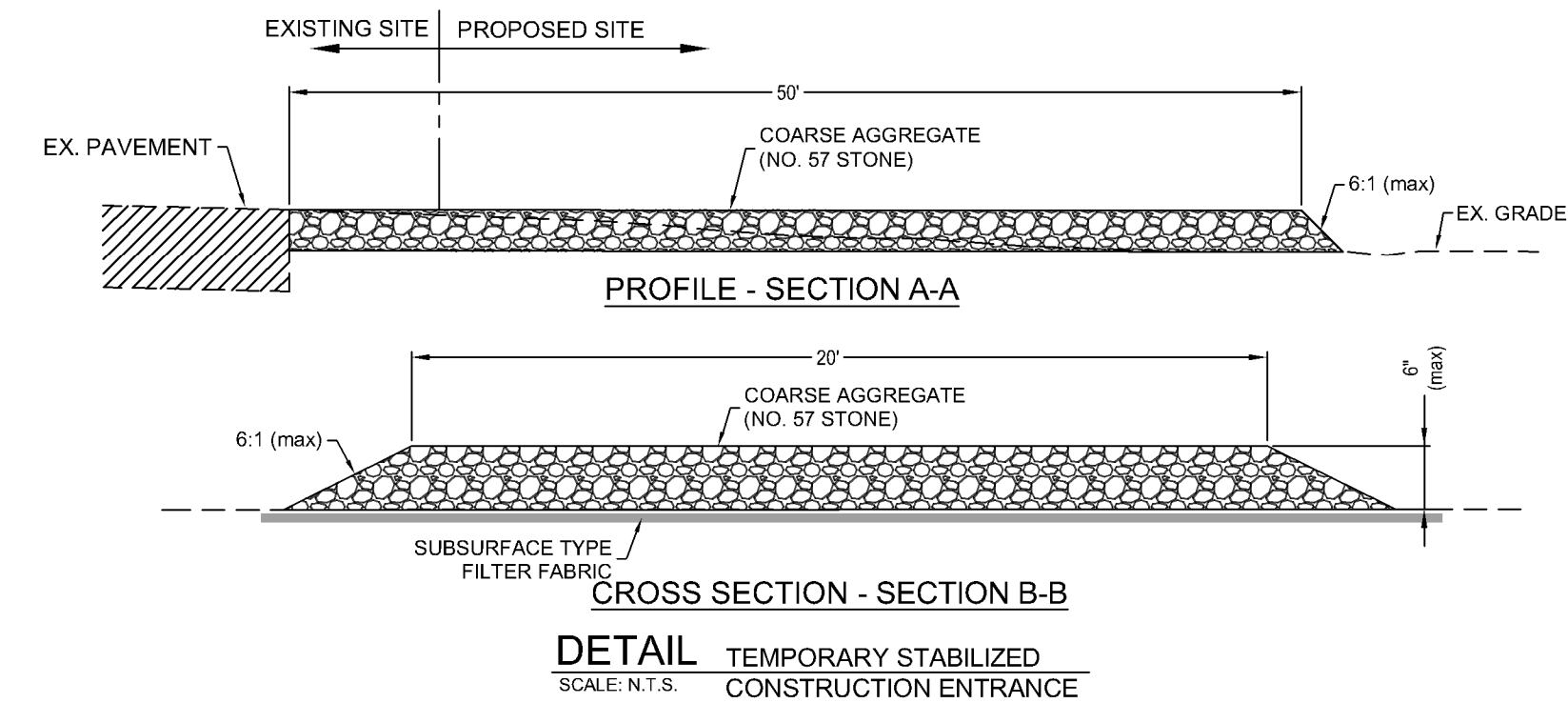
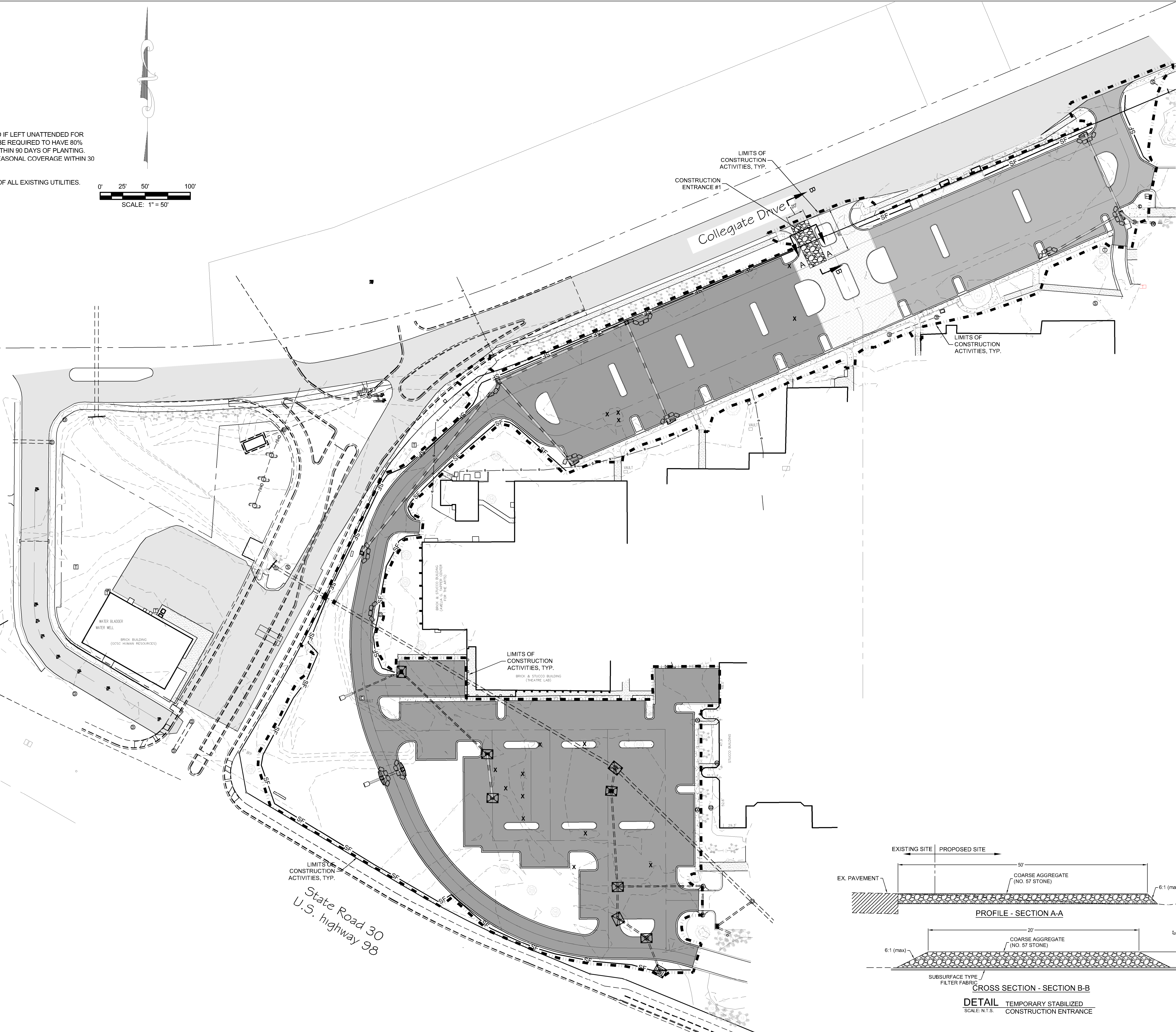
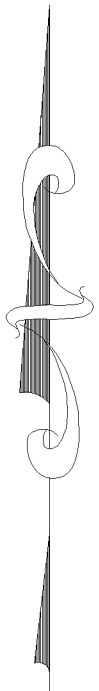
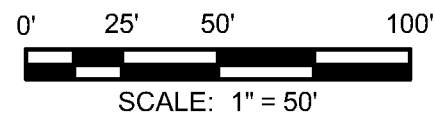
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# LEGEND

-  INLET PROTECTION
-  SILT FENCE
-  SF
-  SILT FENCE

## GENERAL NOTES:

- ALL DISTURBED AREAS SHALL BE SEED AND MULCHED IF LEFT UNATTENDED FOR SEVEN CONTINUOUS DAYS. SEED AND MULCH SHALL BE REQUIRED TO HAVE 80% COVERAGE OF A PERENNIAL TYPE GROUND COVER WITHIN 90 DAYS OF PLANTING. AT LEAST 75% COVERAGE MUST BE PROVIDED BY A SEASONAL COVERAGE WITHIN 30 DAYS OF PLANTING.
- CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATION OF ALL EXISTING UTILITIES.



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STORMWATER POLLUTION PREVENTION PLAN

1.0 SITE DESCRIPTION

A. NATURE OF CONSTRUCTION ACTIVITY:

THIS PROJECT CONSISTS OF THE DEMOLITION OF EXISTING PARKING AND RECONSTRUCTION OF PAVED PARKING, DRIVEWAYS, STORMWATER CONVEYANCE, SIDEWALKS AND LANDSCAPE ISLANDS.

B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

THE FOLLOWING SEQUENCE OF MAJOR ACTIVITIES SHALL BE FOLLOWED UNLESS THE CONTRACTOR CAN PROPOSE AN ALTERNATIVE THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND SEDIMENT AND IS APPROVED BY THE ENGINEER. THE DETAILED SEQUENCE FOR THE ENTIRE PROJECT CAN VARY SIGNIFICANTLY FROM CONTRACTOR TO CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES IN SECTION 104 EROSION CONTROL PLANS.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER DISTURBED AREAS ARE STABILIZED.

C. AREA ESTIMATES

TOTAL SITE AREA: 72 AC.  
TOTAL AREA DISTURBED: 5.49 AC.

D. RUNOFF DATA:

RUNOFF COEFFICIENT:

BEFORE: 0.30 (UNPAVED); 0.98 (PAVED)  
DURING: FROM 0.30 TO 0.50 (UNPAVED); 0.30 TO 0.98 (PAVED)  
AFTER: 0.30 (UNPAVED); 0.98 (PAVED)

SOIL DATA:

SEE ATTACHED GEOTECHNICAL REPORT

OUTFALL INFORMATION:

ALL DRAINAGE WILL CONNECT TO EXISTING OUTFALLS.

E. SITE MAP:

THE LOCATION MAP ON THE KEY SHEET DESCRIBES THE SITE.

SPECIFICALLY:

DRAINAGE PATTERNS:  
EXISTING DRAINAGE FLOWS GENERALLY TO LOCAL DRAINAGE NETWORKS OR DIRECTLY TO ADJACENT WOODS AND ULTIMATELY TO NORTH BAY.

APPROXIMATE SLOPES: 0 TO 5 PERCENT  
AREA OF SOIL DISTURBANCE: PROPOSED SITE, DRIVEWAYS, PARKING, AND DEMOLISHED FACILITIES. AREAS NOT TO BE DISTURBED: OUTSIDE OF EXISTING PROJECT LIMITS.

LOCATIONS OF TEMPORARY CONTROLS:

TEMPORARY STABILIZATION PRACTICES WILL BE DESCRIBED IN THE NARRATIVE.

LOCATIONS OF PERMANENT CONTROLS:

LOCATION OF PERMANENT STABILIZATION IS SHOWN ON THE PLANS.

AREAS TO BE STABILIZED:

TEMPORARY STABILIZATION PRACTICES ARE SHOWN IN THE SAME LOCATION AS THE TEMPORARY CONTROLS MENTIONED ABOVE. PERMANENT STABILIZATION IS SHOWN ON THE PLAN SHEETS.

SURFACE WATERS: NONE

DISCHARGE POINTS TO SURFACE WATERS: NO NEW DISCHARGE POINTS.

F. RECEIVING WATERS:

RUNOFF FROM THE EXISTING DRAINAGE SYSTEM DISCHARGES THROUGH TREATMENT FACILITIES TO NORTH BAY.

2.0 CONTROLS

A. EROSION AND SEDIMENT CONTROLS:

THE FOLLOWING DISCUSSION DEFINES GENERAL GUIDELINES FOR THE SEQUENCES OF CONSTRUCTION AND THE USE OF STABILIZATION AND STRUCTURAL PRACTICES. THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE SECTION 104 EROSION CONTROL PLAN. ALL ITEMS REPRESENTED IN THE FOLLOWING DISCUSSION ARE TREATED IN DETAIL IN THE "FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (2010). THE CONTRACTOR SHALL GENERATE AN IMPLEMENTATION SCHEDULE FOR EACH PHASE OF CONSTRUCTION OPERATIONS OR ACTIVITIES.

1. STABILIZATION PRACTICES:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. THE CONTRACTOR SHALL INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICAL BUT IN NO CASE IN MORE THAN 7 DAYS. THE STABILIZATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

PERMANENT:

SOD IN ACCORDANCE WITH SPECIFICATION SECTION 575. ALL STABILIZATION PRACTICES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES ARE TEMPORARILY OR PERMANENTLY CEASED. THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP ON THE SECTION 104 EROSION CONTROL PLAN.

TEMPORARY:

SEED AND MULCH AND SOD IN ACCORDANCE WITH SPECIFICATION SECTION 104.

2. STRUCTURAL PRACTICES:

ALL SEDIMENT CONTROLS SHALL BE IN PLACE PRIOR TO ANY SOIL DISTURBING ACTIVITY UPSTREAM OF THE CONTROL. THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP ON THE SECTION 104 EROSION CONTROL PLAN.

TEMPORARY:

SEDIMENT BARRIERS, TURBIDITY BARRIERS AND INLET PROTECTION

B. STORMWATER MANAGEMENT

STORMWATER WILL BE CONVEYED THROUGH CLOSED CONVEYANCE SYSTEMS AND DITCHES TO LOCAL STORMWATER TREATMENT FACILITIES.

C. OTHER CONTROLS

1. WASTE DISPOSAL:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES.

DISPOSE OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.

DISPOSE OF SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS OFFSITE BUT NOT IN SURFACE WATERS OR WETLANDS.

2. OFFSITE VEHICLE TRACKING:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFFSITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. UNLESS APPROVED BY THE ENGINEER, THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING.

COVERING LOADED HAUL TRUCKS WITH TARPAULINS.

REMOVING EXCESS DIRT FROM ROADS DAILY.

STABILIZING CONSTRUCTION ENTRANCES ACCORDING TO DESIGN STANDARD 106.

USING ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION AND MILLING OPERATIONS.

3. STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER OR SEPTIC TANK

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER AND SEPTIC SYSTEMS.

4. FERTILIZERS AND PESTICIDES:

FERTILIZERS SHALL BE APPLIED ACCORDING TO SPECIFICATION SECTION 570 OR 577 OF THE FDOT STANDARD SPECIFICATIONS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP ON THE SECTION 104 EROSION CONTROL PLAN.

5. TOXIC SUBSTANCES:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE AND DISPOSAL OF THESE SUBSTANCES.

3.0 MAINTENANCE:

PROPOSED REPLACEMENT ITEM	MAINTENANCE	INTERVAL
SILT FENCE	IN ACCORDANCE WITH SECTION 104	1 YEAR
INLET PROTECTION	REMOVE MILLED MATERIAL AND DEBRIS FROM BAGS TO KEEP FROM ENTERING TRAFFIC LANE AND CURB INLETS	1 YEAR

THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP ON THE SECTION 104 EROSION CONTROL PLAN

4.0 INSPECTIONS

QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER. THE ENGINEER SHALL BE RESPONSIBLE FOR COMPLETING THE WEEKLY INSPECTION REPORT FORM AND SUBMISSION OF THE FORM TO THE FDOT CENTRAL OFFICE ON A MONTHLY BASIS. WHERE SITES HAVE BEEN FINALLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH.

- POINTS OF DISCHARGE TO WATERS OF THE UNITED STATES

- DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED

- STRUCTURAL CONTROLS

- AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION

- LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE

5.0 NON-STORMWATER DISCHARGES

THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP ON THE SECTION 104 EROSION CONTROL PLAN. IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT THE PROJECT ADMINISTRATOR AND ENGINEER OF RECORD IMMEDIATELY.

PHASING OF IMPLEMENTATION

PHASE I - INSTALLATION OF ENVIRONMENTAL CONTROL FEATURES

ENVIRONMENTAL CONTROL FEATURES AS PROVIDED IN PLANS QUANTITIES ARE TO BE INSTALLED THROUGHOUT THE CONSTRUCTION LIMITS. AT ENVIRONMENTALLY SENSITIVE AREAS AS SHOWN ON THE PLANS, OR AT AREAS AS DIRECTED BY THE PROJECT ADMINISTRATOR. THESE FEATURES INCLUDE, BUT ARE NOT LIMITED TO, SILT FENCE, SYNTHETIC BALES, ETC.

PHASE II - SITE WORK OPERATIONS

SITE WORK SHALL BE DONE AS INDICATED ON THE PLANS.

PHASE III - DRAINAGE SYSTEM OR STRUCTURE ENVIRONMENTAL CONTROL FEATURES

ENVIRONMENTAL CONTROL FEATURES AS PROVIDED IN PLANS ARE TO BE INSTALLED AT ALL AREAS OF EXCAVATION OR FILL FOR DRAINAGE SYSTEM OR STRUCTURE CONSTRUCTION PRIOR TO SUCH EXCAVATION OR FILL. ALL STREAMS OR DITCHES ARE TO BE PROTECTED FROM EROSION OR SILTATION BY METHODS DETAILED IN THE STANDARD INDICES. THESE INCLUDE SILT FENCE, SYNTHETIC BALES, ETC.

PHASE IV - MAINTENANCE OF ENVIRONMENTAL CONTROL FEATURES

ALL ENVIRONMENTAL CONTROL FEATURES ARE TO BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT AS NECESSARY FOR THE VARIOUS CONSTRUCTION PHASES. THE CONTRACTOR MUST INSURE THAT ALL OF THESE FEATURES FUNCTION PROPERLY AT ALL TIMES.

GENERAL NOTES

1. THE CONTRACTOR MAY CONSTRUCT THE PROJECT IN SEGMENTS BUT EACH OF THE ABOVE PHASES MUST BE FOLLOWED FOR EACH SEGMENT.

2. ALL EROSION AND MATERIAL DEPOSITS MUST BE CONTAINED WITHIN THE PROJECT LIMITS.

STORMWATER SYSTEM MAINTENANCE NOTES:

- 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.
- 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.
- THE CONTRACTOR IS TO PROVIDE EROSION CONTROL/ SEDIMENTATION 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 OFF-SITE BY EROSION OR STORMWATER RUNOFF, THE CONTRACTOR SHALL IMPROVE CONDITIONS TO THE SATISFACTION OF THE ENGINEER AND/OR AUTHORITIES AT NO ADDITIONAL COST TO THE OWNER. 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.
- ALL NEW DRAINAGE PIPE SHALL BE AS INDICATED ON PLANS OR APPROVED EQUAL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MONITORING, NOTICE OF COMMENCEMENT, AND AS-BUILT CERTIFICATION.
- CONTRACTOR SHALL PREPARE A DEWATERING AND STOCKPILE PLAN AS PART OF THE NPDES PERMIT PROCESS.
- THE OWNER IS TO MAINTAIN THE STORMWATER SYSTEM PER THE OPERATION AND MAINTENANCE PLAN.

JONATHAN SKLARSKI  
FL. P.E. 67361

Principal in Charge  
Joseph J. Sorci

Project Number:

4166-15

Date Issued:

5-4-2017

Drawn By:

M.W.

Checked By:

J.S.

Revisions:

BID No.

ITB#8-2016/2017



GULF COAST STATE COLLEGE  
CAMPUS IMPROVEMENTS

SWPPP PLAN

CONSTRUCTION  
DOCUMENTS

Sheet Number

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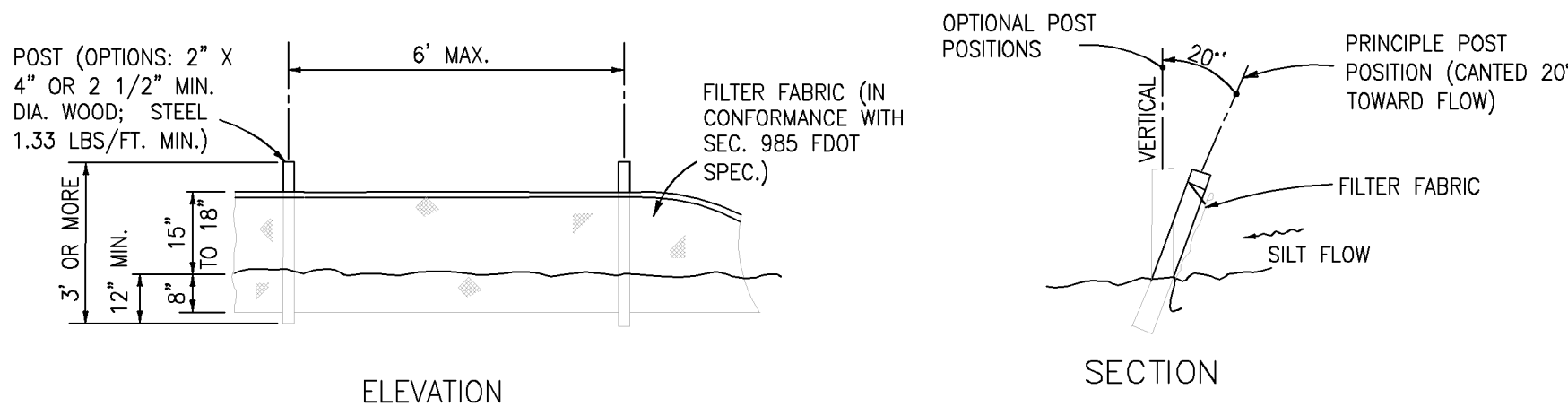
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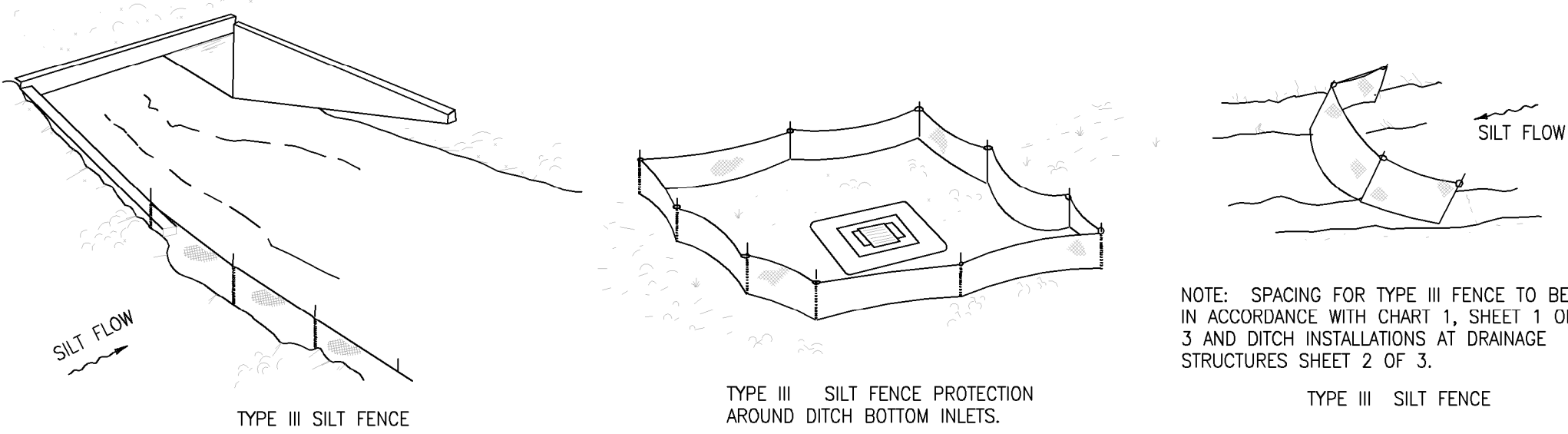


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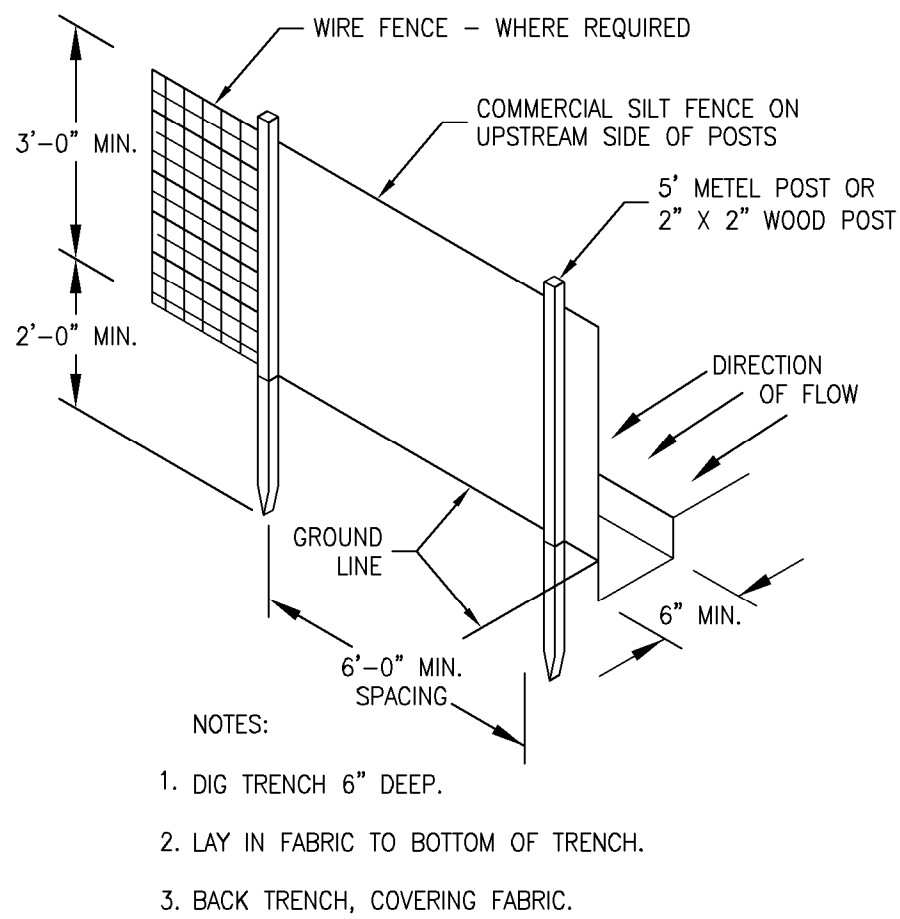
NOTE: SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE (LF).

### TYPE III SILT FENCE



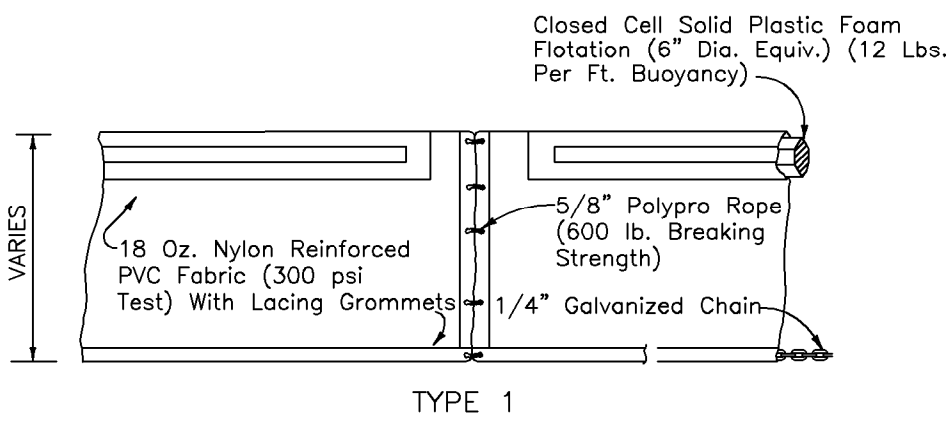
DO NOT DEPLOY IN A MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.

### SILT FENCE APPLICATIONS



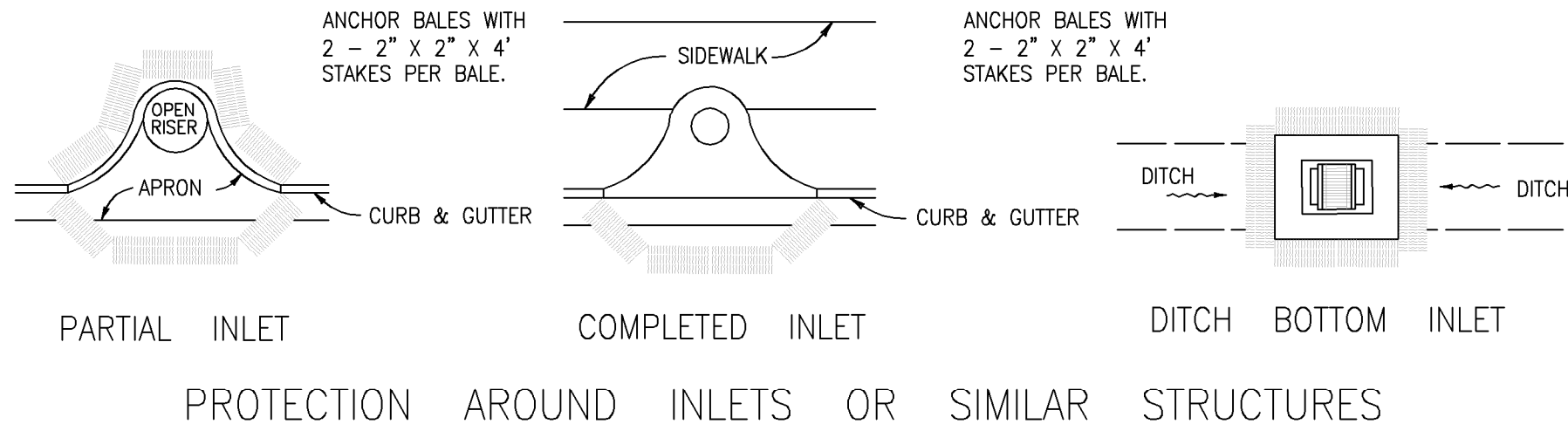
### DETAIL SILT FENCE

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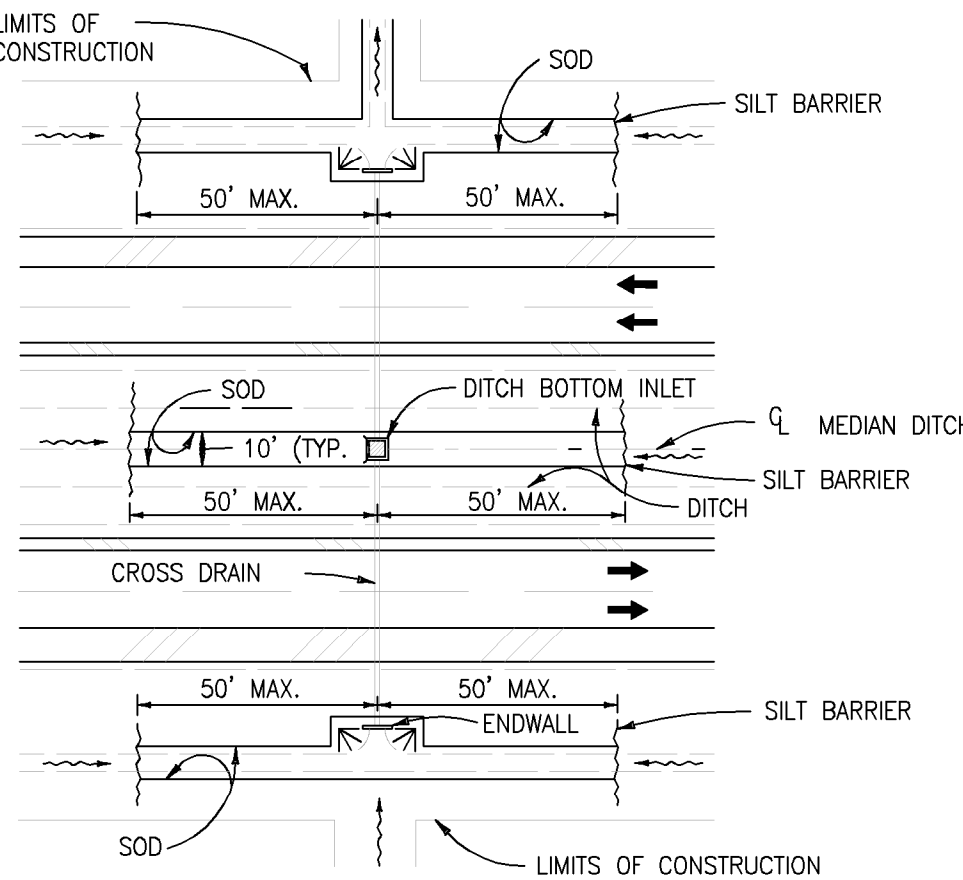


### DETAIL TURBIDITY CURTAIN

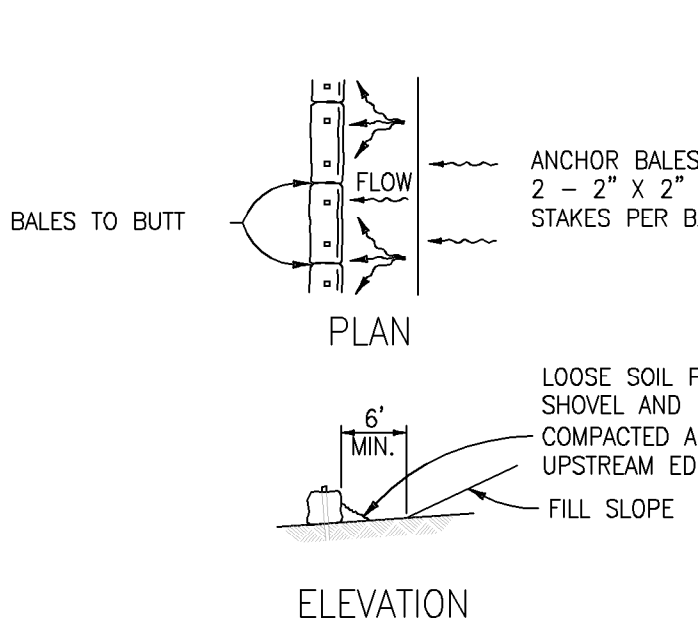
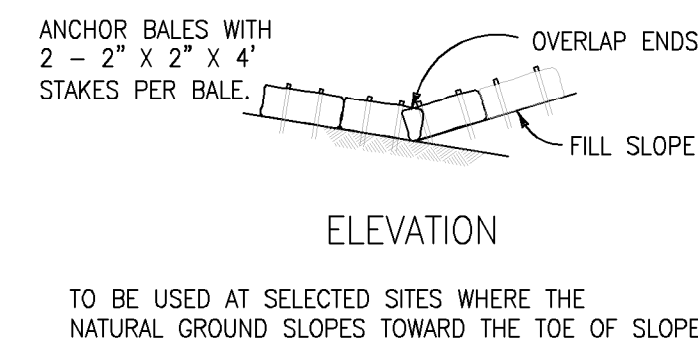
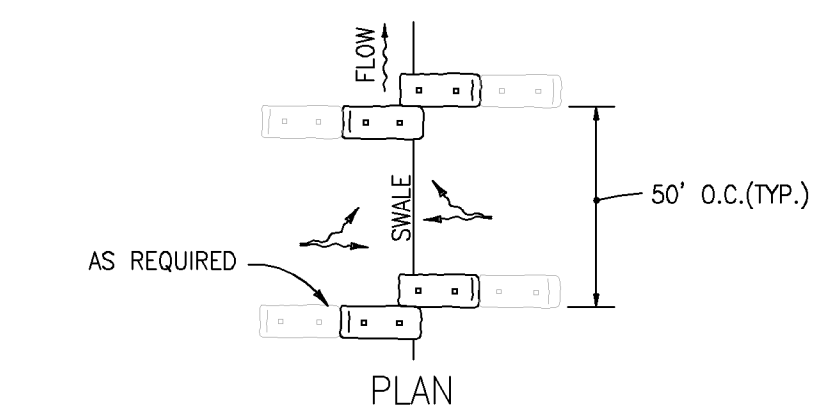
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### BALES BACKED BY FENCE

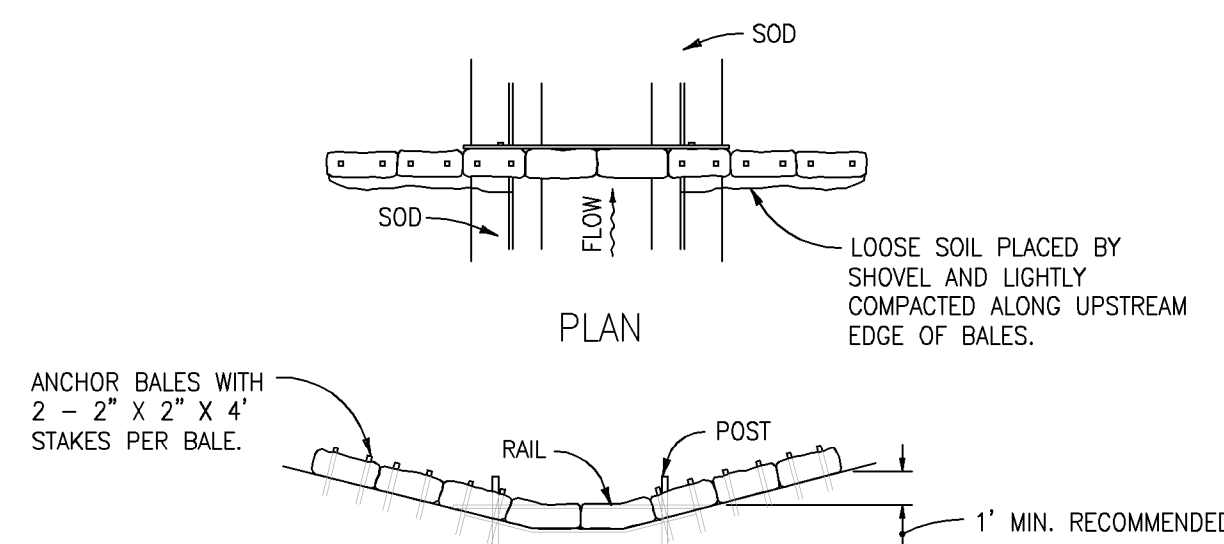


### DITCH INSTALLATIONS AT DRAINAGE STRUCTURES



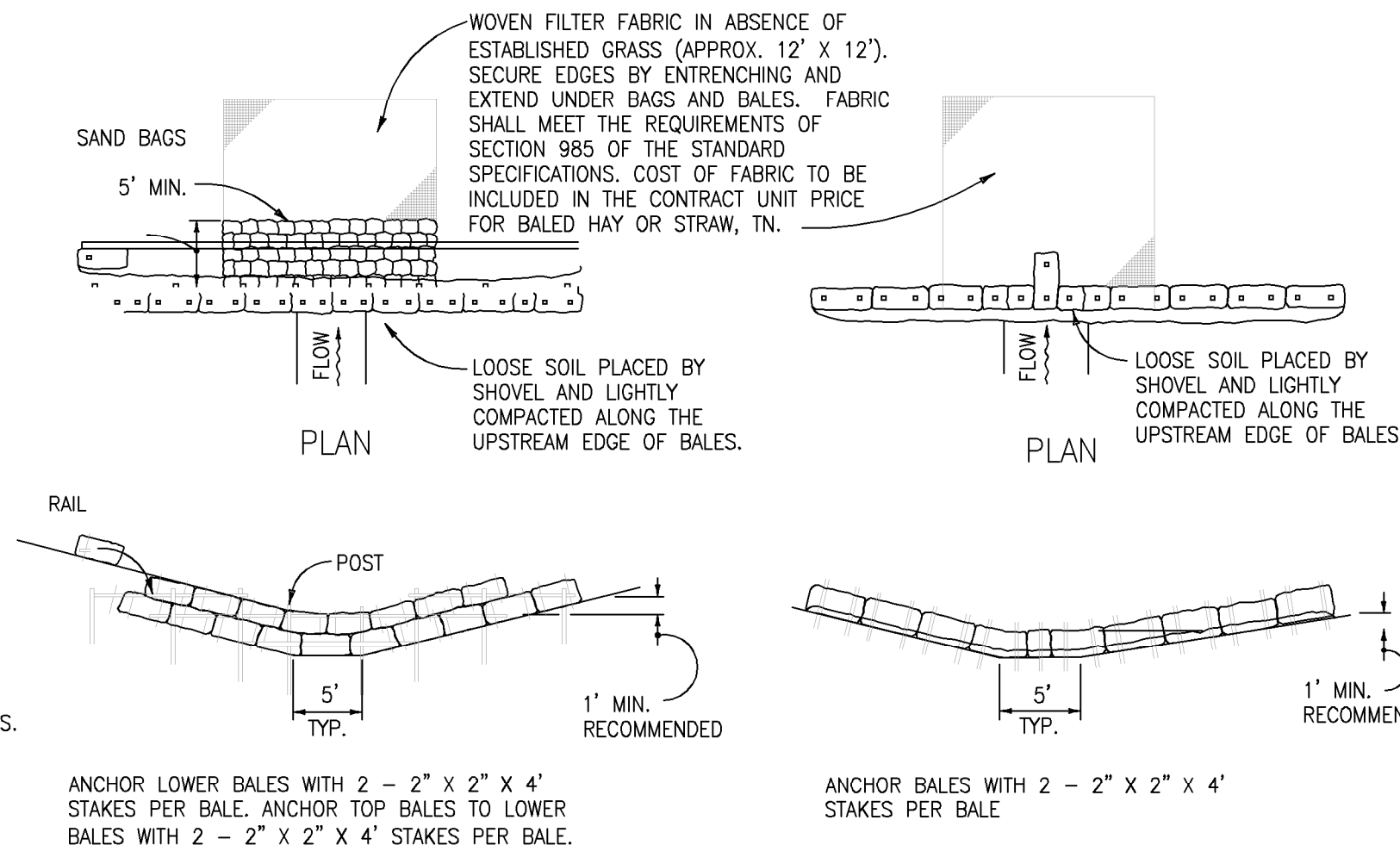
TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES AWAY FROM THE TOE OF SLOPE

### BARRIERS FOR FILL SLOPES



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

### BARRIER FOR PAVED DITCH



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

### BARRIER FOR UNPAVED DITCHES

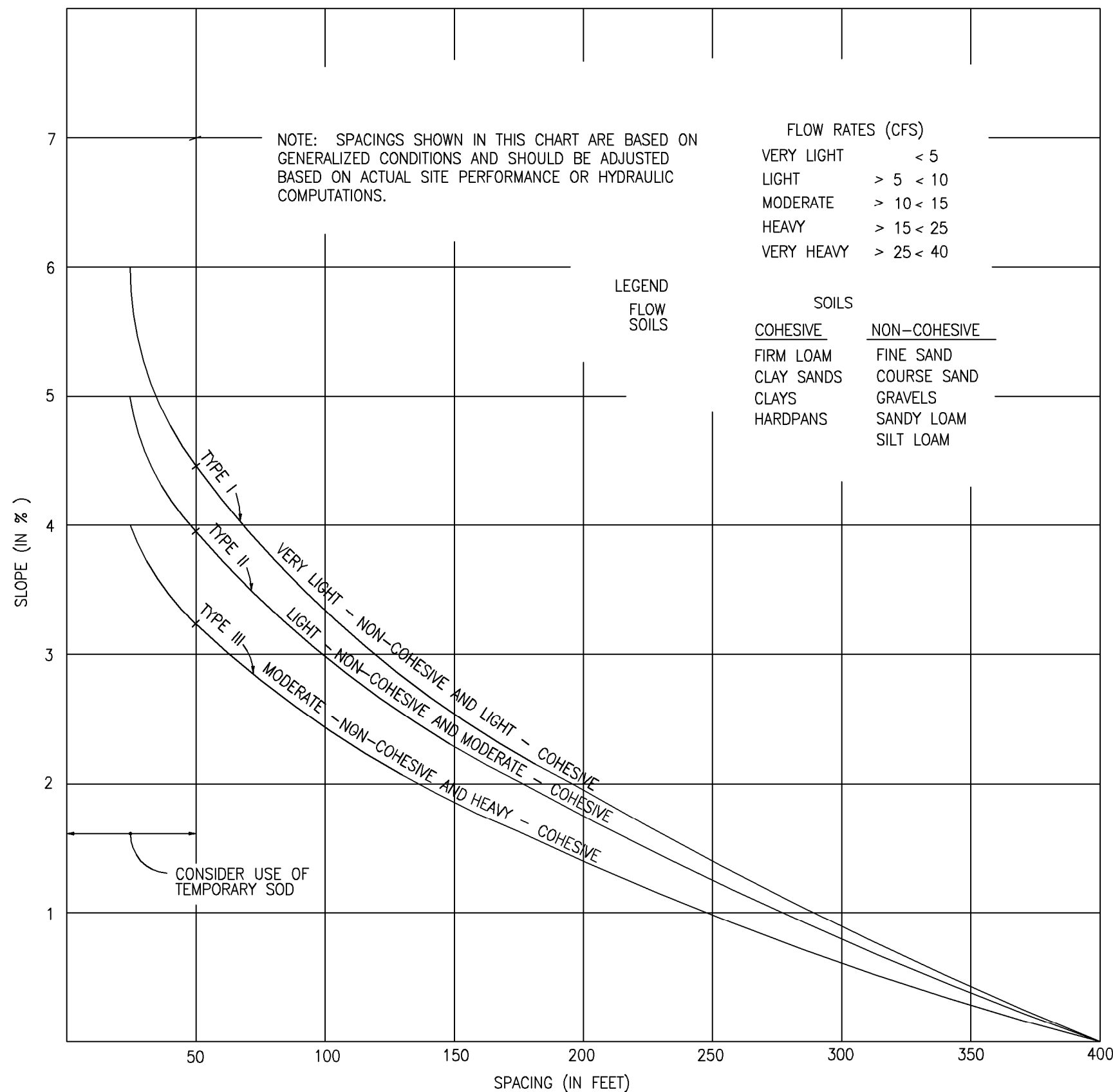


CHART I

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



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Principal in Charge  
Joseph J. Sorci  
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M.W.  
Checked By:  
J.S.  
Revisions:

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ITB#8-2016/2017



GULF COAST STATE COLLEGE  
CAMPUS IMPROVEMENTS  
PHASE III

SWPPP DETAILS

CONSTRUCTION  
DOCUMENTS

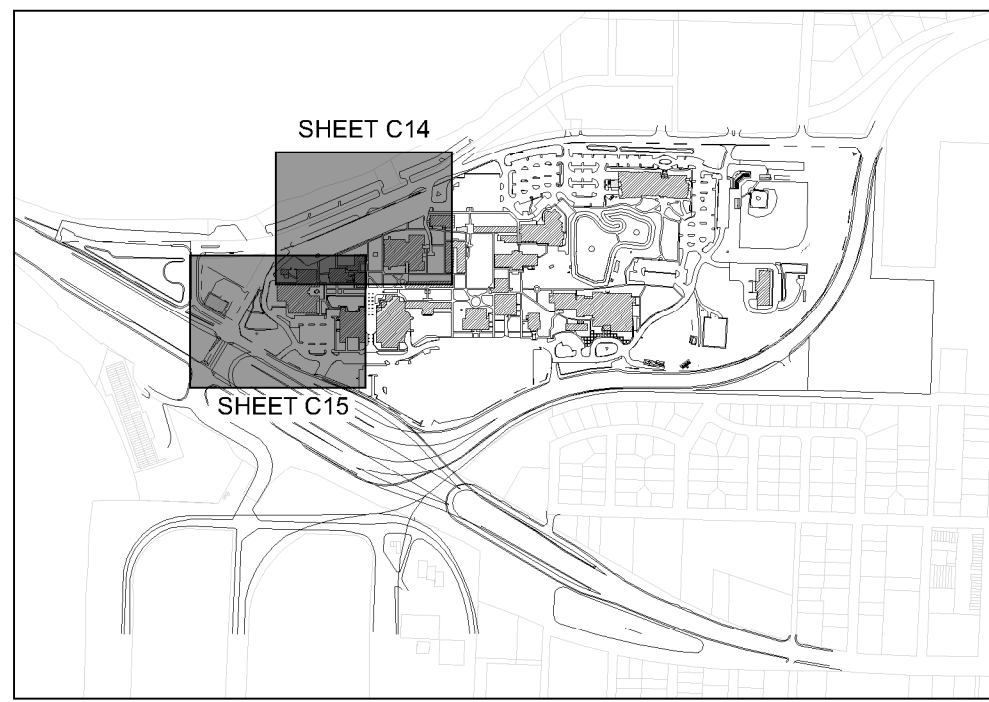
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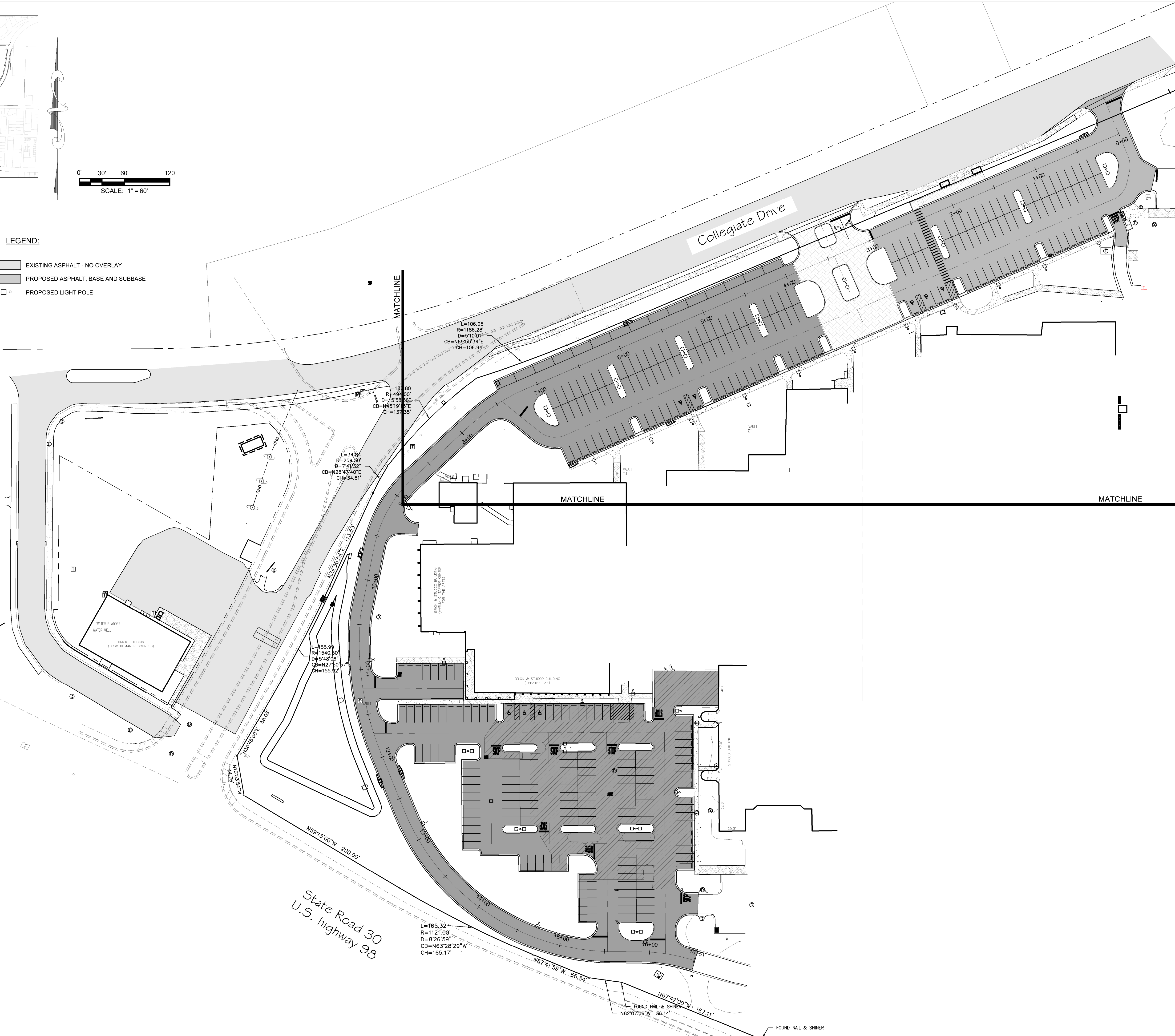


KEY MAP  
N.T.S.

LEGEND:

- EXISTING ASPHALT - NO OVERLAY
- PROPOSED ASPHALT, BASE AND SUBBASE
- PROPOSED LIGHT POLE

0' 30' 60' 120'  
SCALE: 1" = 60'



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GULF COAST STATE COLLEGE  
CAMPUS IMPROVEMENTS  
PHASE III

OVERALL  
GEOMETRY PLAN

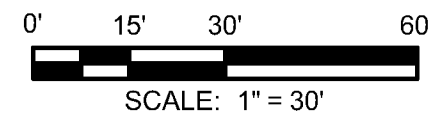
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DOCUMENTS

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

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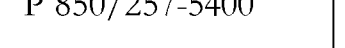


LEGEND:

-  EXISTING ASPHALT - NO OVERLAY  
 PROPOSED ASPHALT, BASE AND SUBBASE  
 PROPOSED LIGHT POLE



May 4, 2017 (15:35:34 EST)



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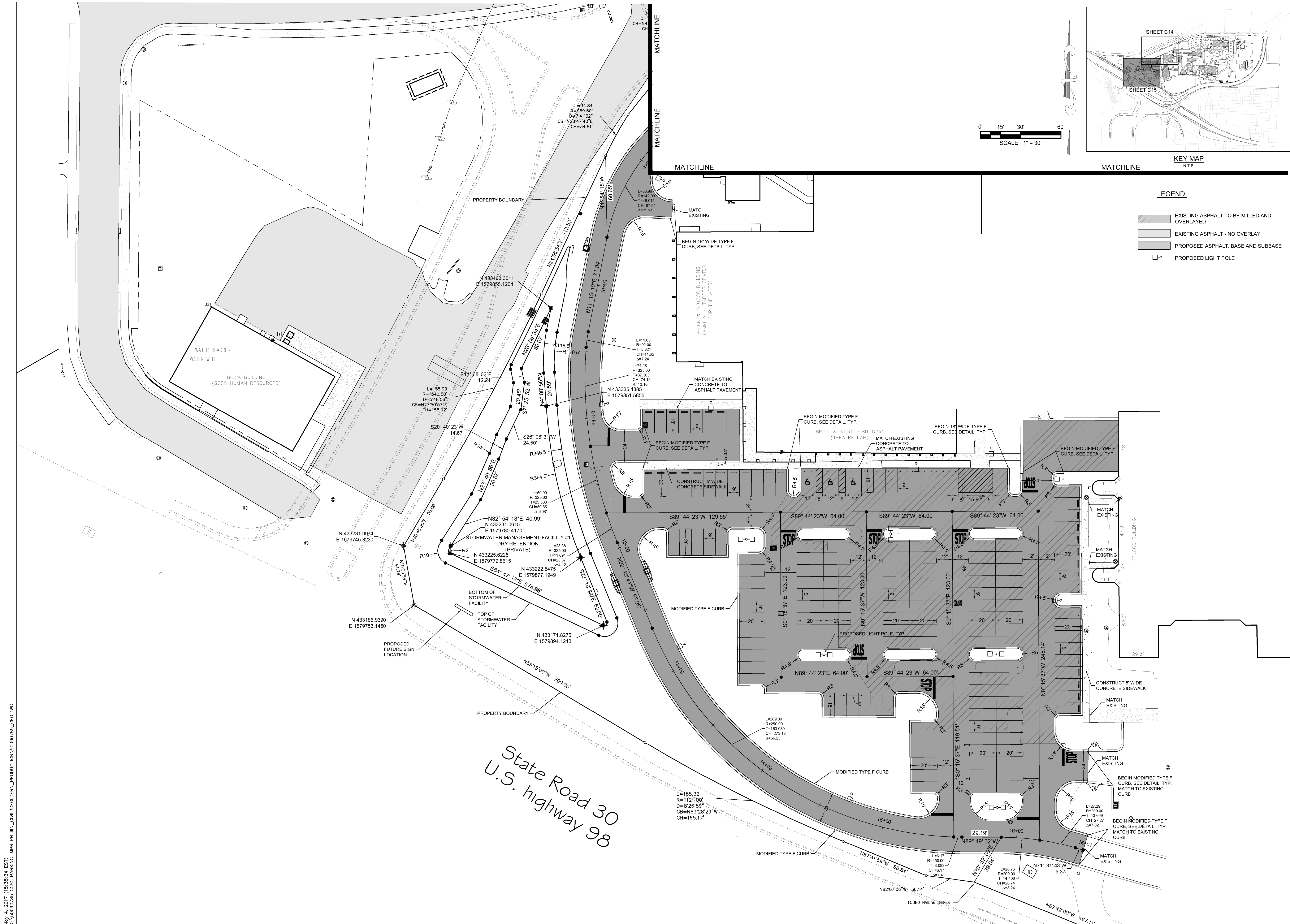
### PHASE III

## PLAN A

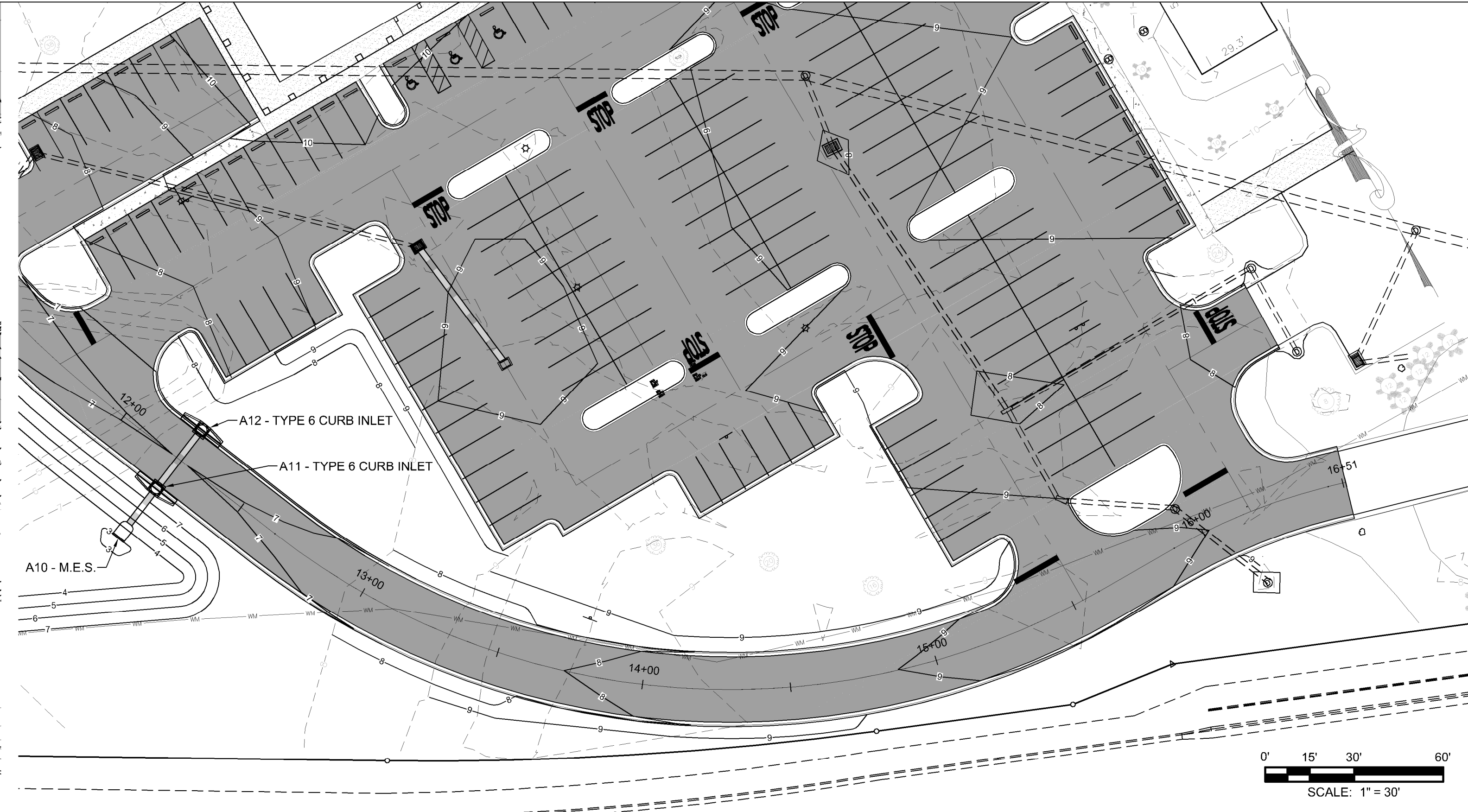
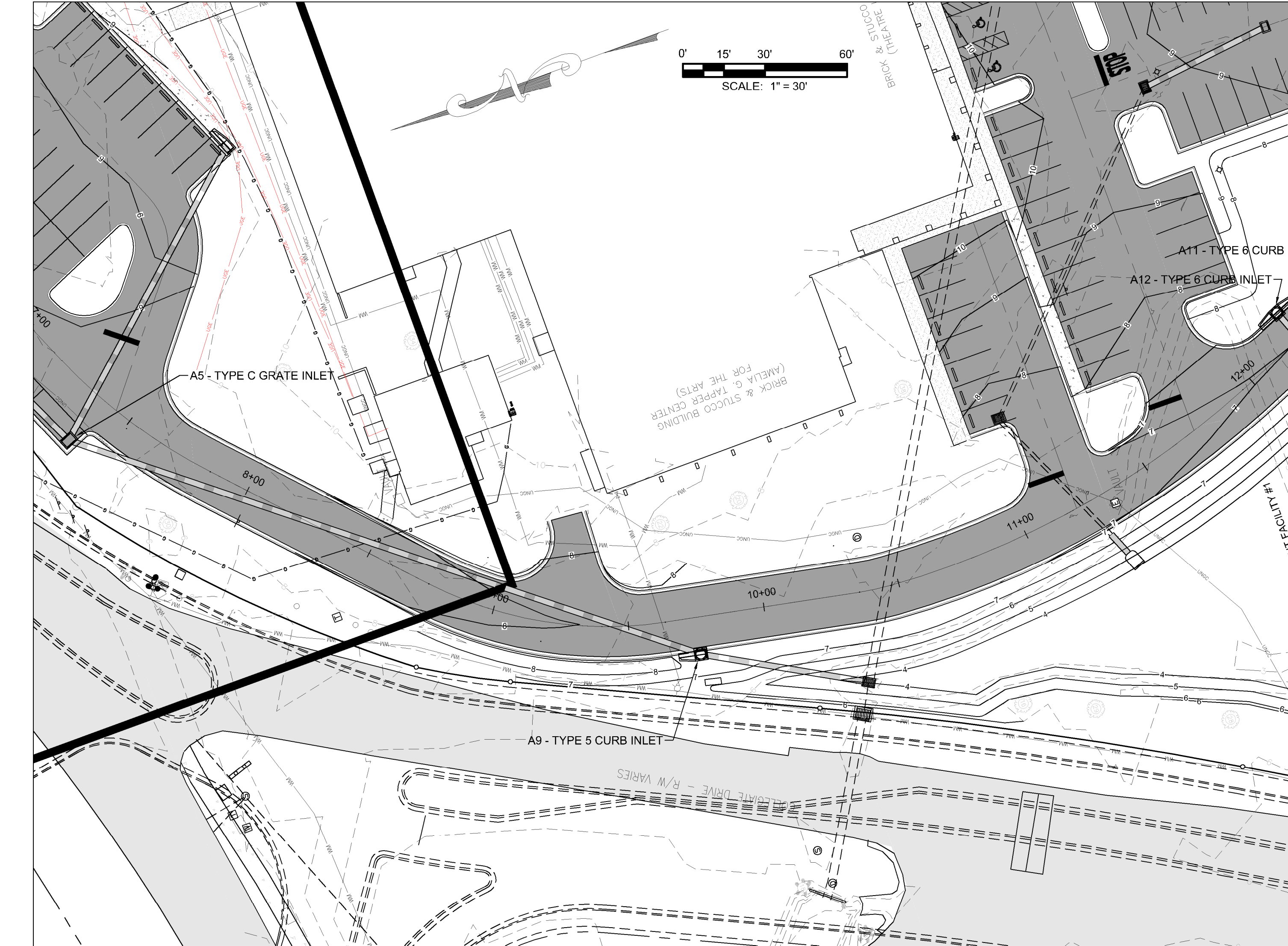
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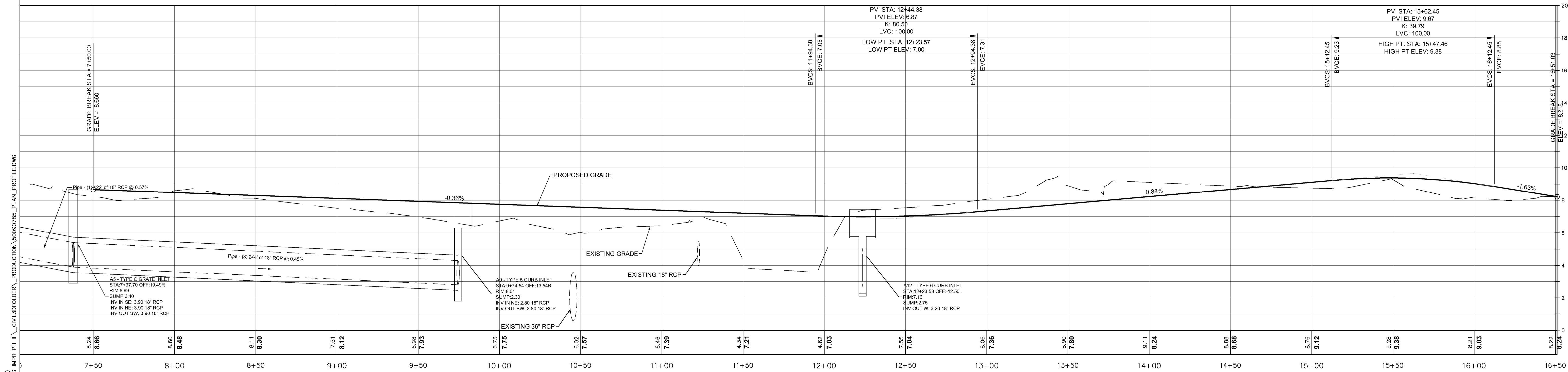






State Road 30  
U.S. highway 98

MAIN ROAD – WEST PROFILE



May 4, 2017 (15:30:48 EST)  
K: 50090785 GCSC PARKING IMPR PH III CIVIL3D\FOLDER\PRODUCTION\50090785\_PLAN\_PROFILE.DWG

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FLORIDA  
ARCHITECTS  
LICENSE #M0002730  
648 Florida Avenue  
Panama City, Fl. 32401  
P 850/257-5400

JONATHAN SKLARSKI  
FL P.E. 67361

Principal in Charge  
Joseph J. Sorci  
Project Number:  
4166-15  
Date Issued:  
5-4-2017  
Drawn By:  
M.W.  
Checked By:  
J.S.  
Revisions:

BID No.  
ITB#8-2016/2017

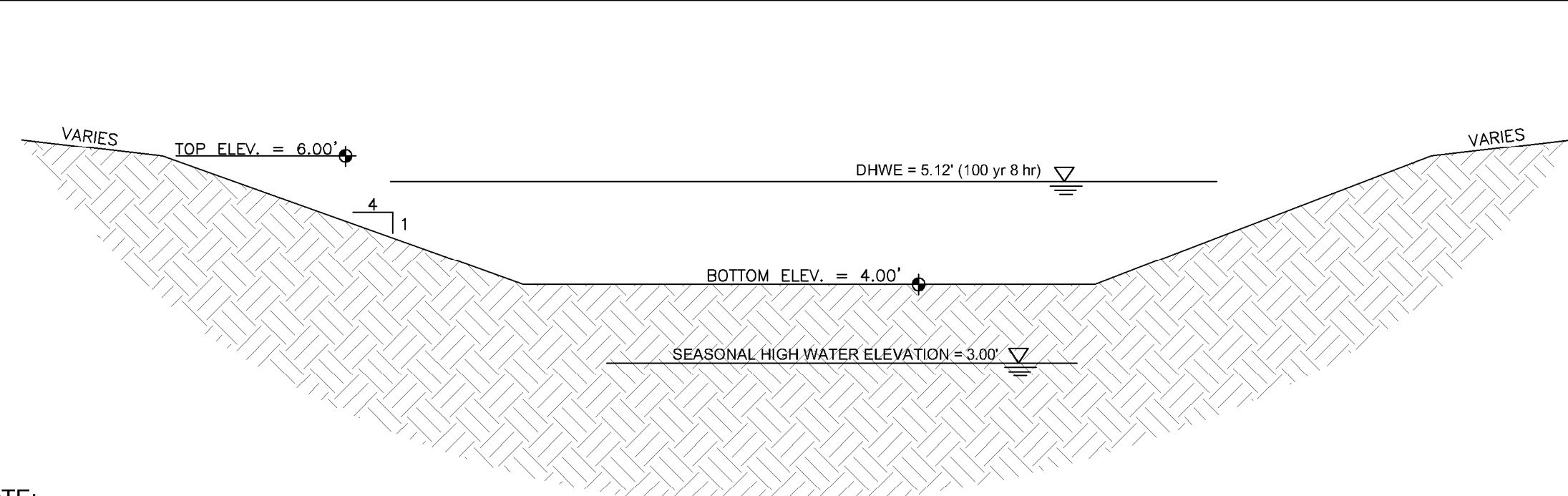
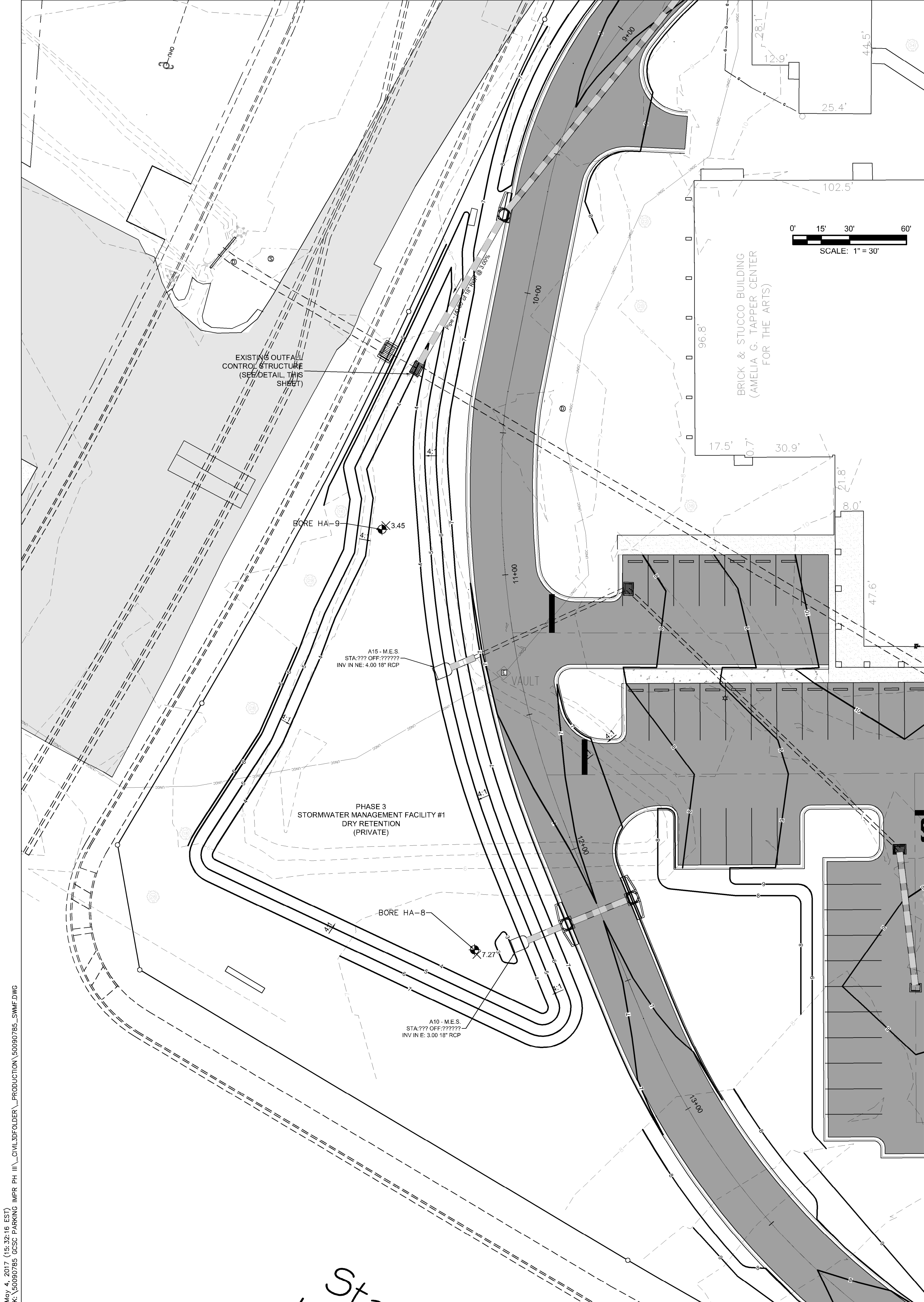


GULF COAST STATE COLLEGE  
CAMPUS IMPROVEMENTS  
PHASE III

PLAN AND  
PROFILE

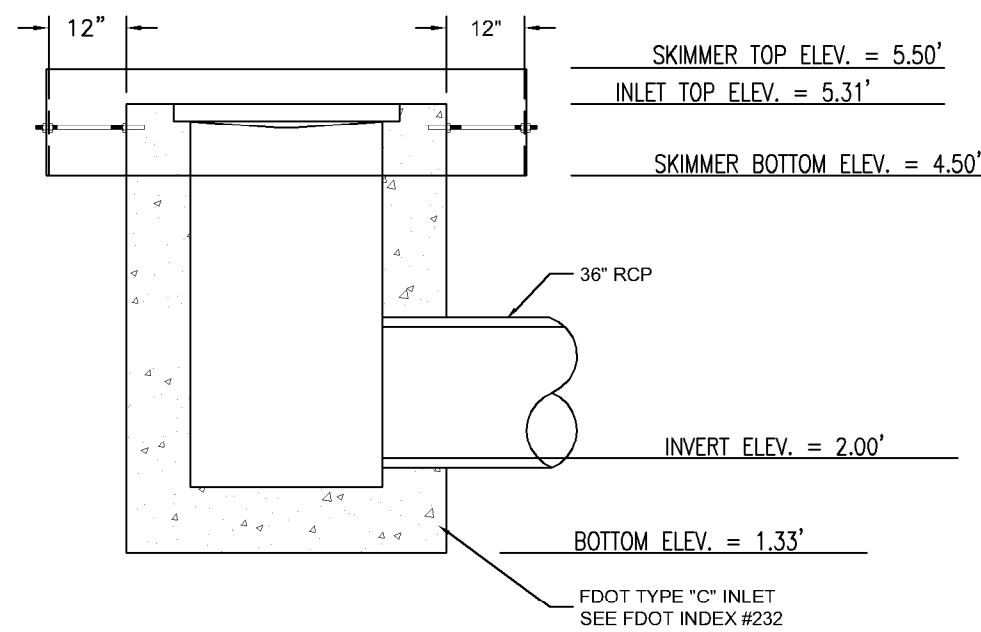
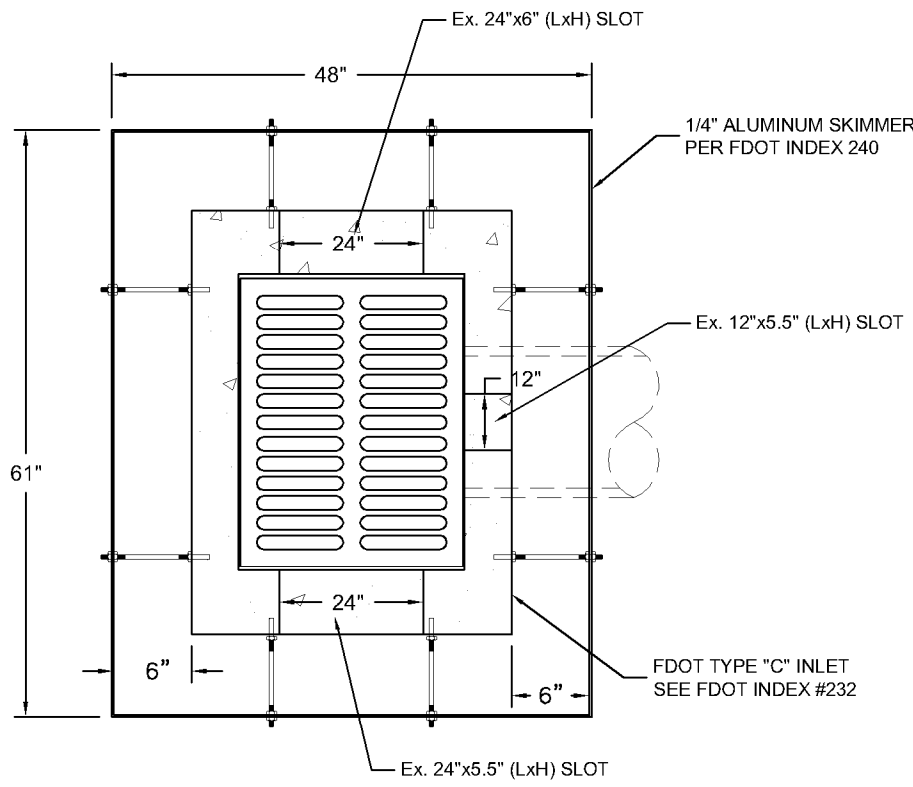
CONSTRUCTION  
DOCUMENTS  
Sheet Number  
C16





NOTE:  
1. ALL POND SIDE SLOPE TO BE STABILIZED WITH SOD TO 2' BELOW PPE.  
2. ALL OTHER DISTURBED AREAS TO BE STABILIZED WITH HYDROSEED OR SOD.

SECTION  
SCALE: N.T.S. TYPICAL POND SECTION



PLAN VIEW  
DETAIL CONCRETE DISCHARGE STRUCTURE (TYPE C)  
SCALE: N.T.S.

STORMWATER OPERATION/MAINTENANCE PLAN  
OPERATION AND MAINTENANCE ENTITY IS D.R. HORTON INC.

AFTER EACH RAINFALL EVENT

1. PAVEMENT AREAS - CLEAN/SWEEP DEBRIS AND DIRT FROM PAVEMENT AREAS.
2. SEDIMENTS IN RETENTION/DETENTION AREAS - REMOVED IMMEDIATELY.
3. DEBRIS IN RETENTION/DETENTION AREAS - ALL DEBRIS AND FOREIGN MATERIAL SHALL BE REMOVED IMMEDIATELY.
4. YARD INLETS, CATCH BASINS, ETC. - ALL DEBRIS AND FOREIGN MATERIALS SHALL BE REMOVED IMMEDIATELY.

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 NFWPMD STANDARD INSPECTION FORM 62-330.31(11).
3. THE INSPECTION MUST BE SIGNED, SEALED, AND DATED BY THE REGISTERED PROFESSIONAL AND RECORDS MUST BE MADE AVAILABLE UPON REQUEST OF FDEP AND/OR NFWPMD.
4. THE INSPECTION MUST BE CONDUCTED USING THE PLANS, CALCULATIONS AND SPECIFICATIONS APPROVED BY THE FDEP AND/OR NFWPMD.

JONATHAN SKLARSKI  
FL P.E. 67361

Principal in Charge  
Joseph J. Sorci  
Project Number:  
4166-15  
Date Issued:  
5-4-2017  
Drawn By:  
M.W.  
Checked By:  
J.S.  
Revisions:  
BID No.  
ITB#8-2016/2017



GULF COAST STATE COLLEGE  
CAMPUS IMPROVEMENTS  
PHASE III

STORMWATER  
MANAGEMENT  
FACILITY PLAN  
AND DETAILS

CONSTRUCTION  
DOCUMENTS

Sheet Number

C17





C18

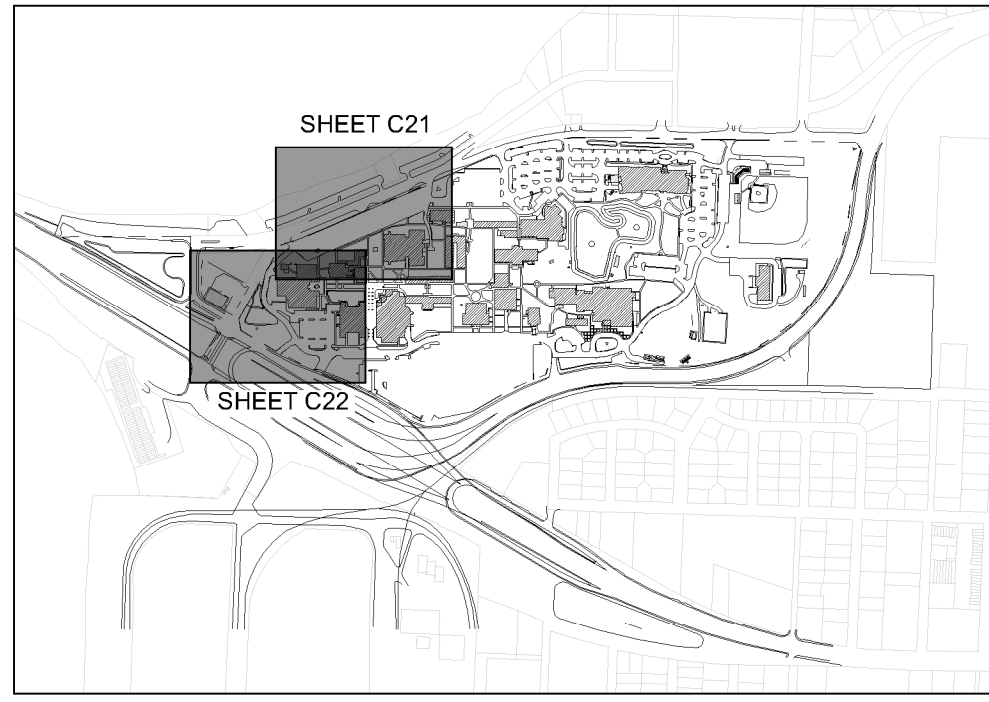
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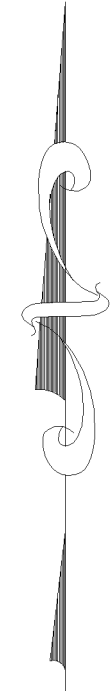




May 4, 2017 (17:26:02 EST)  
K:\0000785 GCSC PARKING IMPR PH III\01\30\FOLDER\PRODUCTION\0000785\_UTILITY.LANDWG



KEY MAP  
N.T.S.



0' 30' 60' 120'  
SCALE: 1" = 60'

DEED BOOK 199, PAGE 245

State Road 30  
U.S. highway 98

Collegiate Drive

EXCEPTION

COLLEGIATE

MATCHLINE

MATCHLINE

MATCHLINE

O.R. P

JONATHAN SKLARSKI  
FL P.E. 67361

Principal in Charge  
Joseph J. Sorci  
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GULF COAST STATE COLLEGE  
CAMPUS IMPROVEMENTS  
PHASE III

OVERALL UTILITY  
PLAN  
C20

CONSTRUCTION  
DOCUMENTS

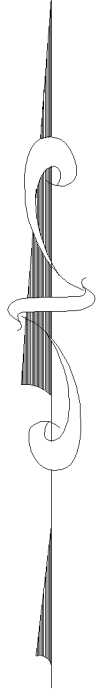
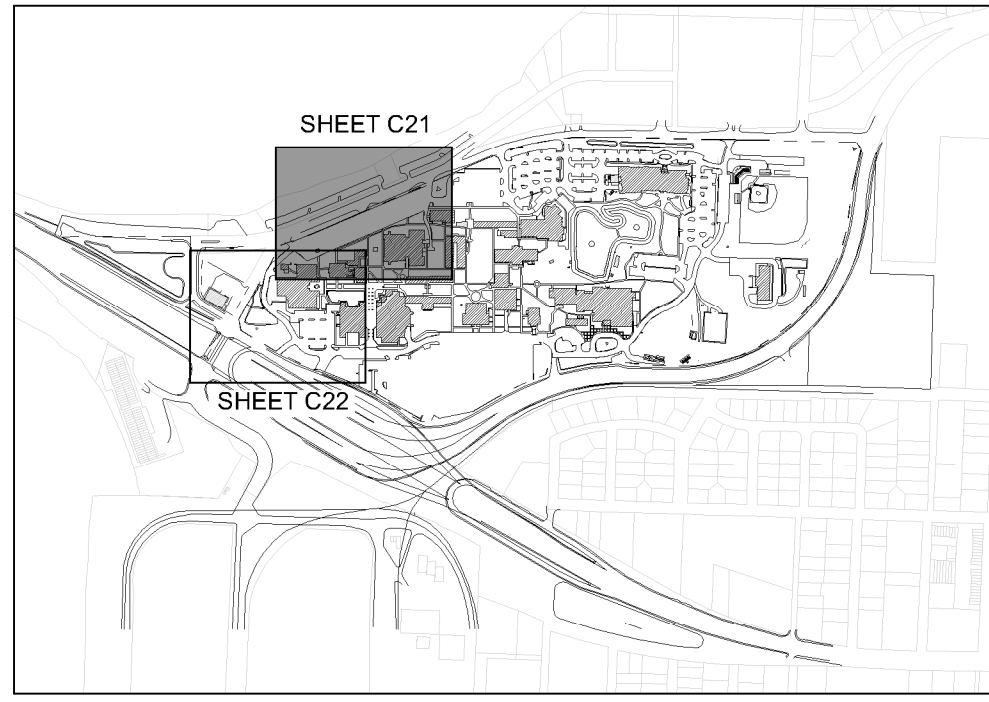
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0' 15' 30' 60'  
SCALE: 1" = 30'

NOTE:  
POTABLE WATER MAINS SHALL BE PVC C900 DR18 AND COLOR BLUE



NOTE:  
CONTRACTOR SHALL VERIFY LOCATIONS AND DEPTHS OF UTILITIES  
BEHIND SIDEWALK PRIOR TO CONSTRUCTION. COLLEGE UTILITY MAPS  
SHOW STEAM AND CHILLED WATER LINES RUNNING BEHIND SIDEWALK.

**FLA**  
FLORIDA  
ARCHITECTS  
LICENSE #M0002730  
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Panama City, FL 32401  
P 850/257-5400

JONATHAN SKLARSKI  
FL P.E. 67361

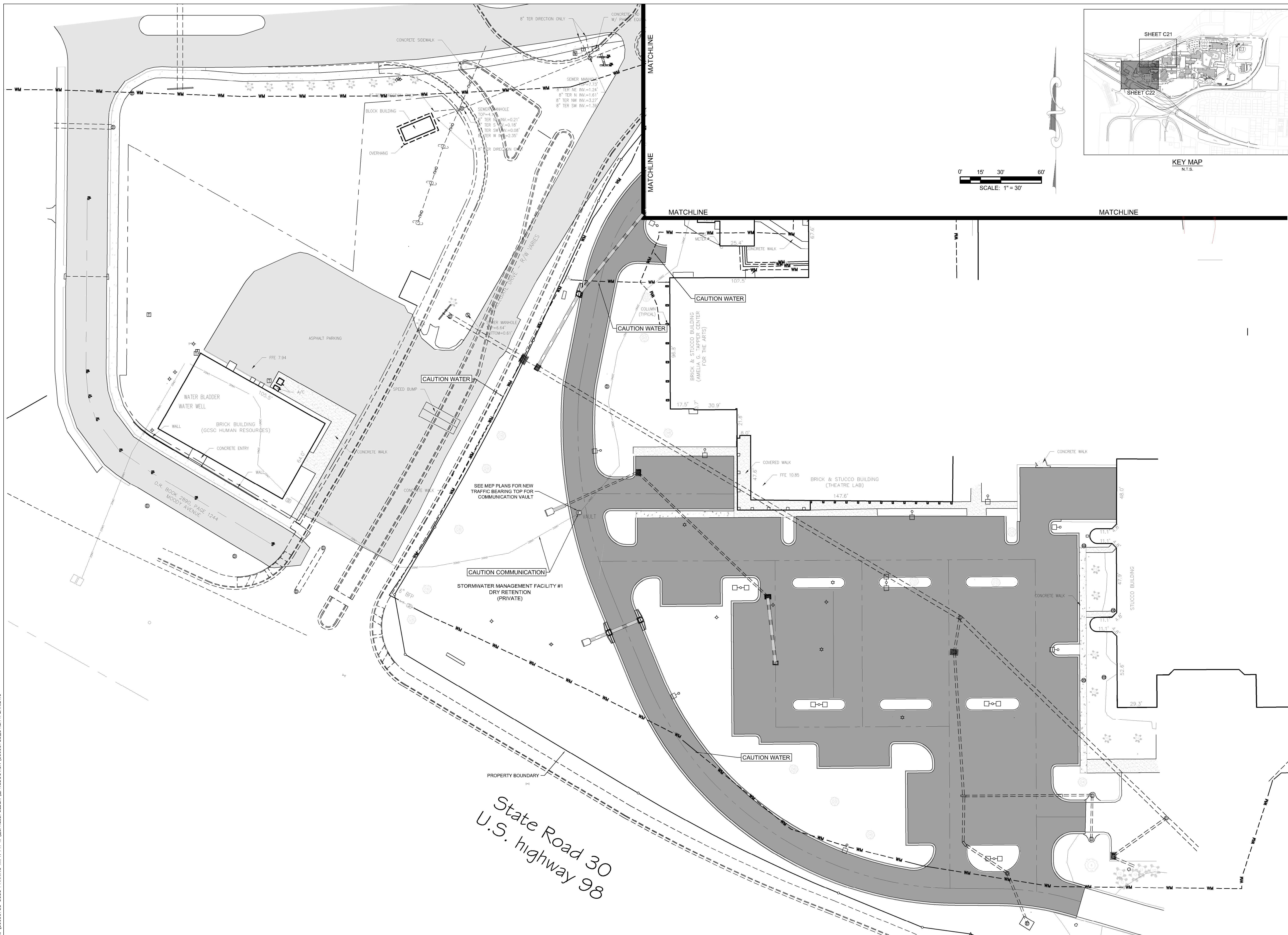
Principal in Charge  
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4166-15  
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GULF COAST STATE COLLEGE  
CAMPUS IMPROVEMENTS  
PHASE III

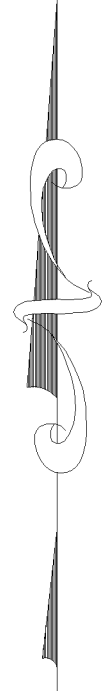
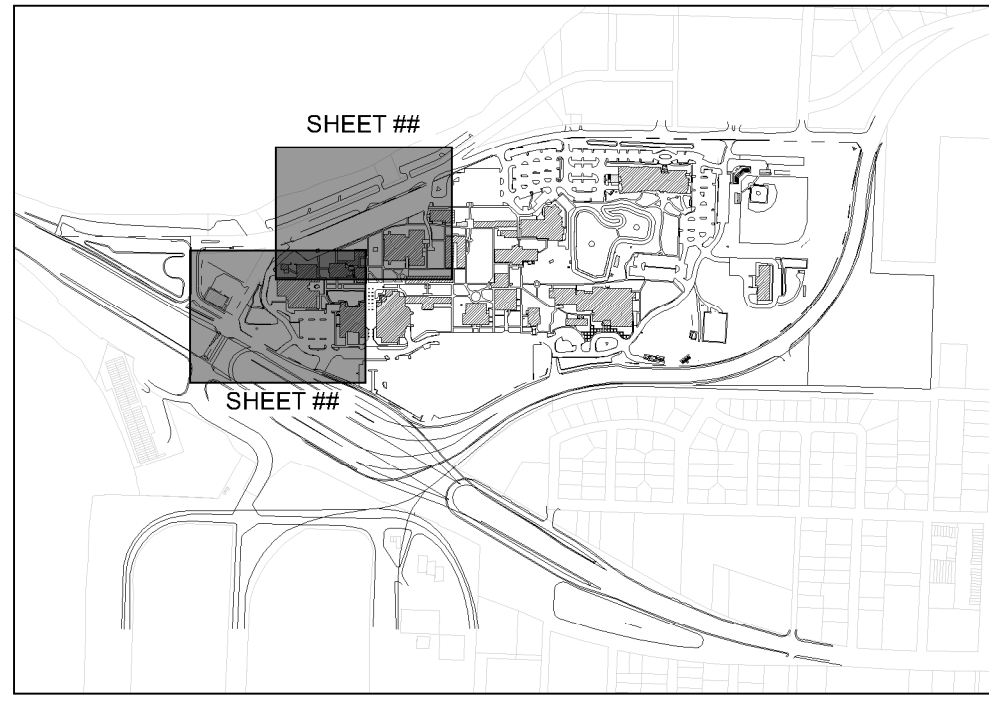
UTILITY PLAN A  
CONSTRUCTION  
DOCUMENTS  
Sheet Number  
C21





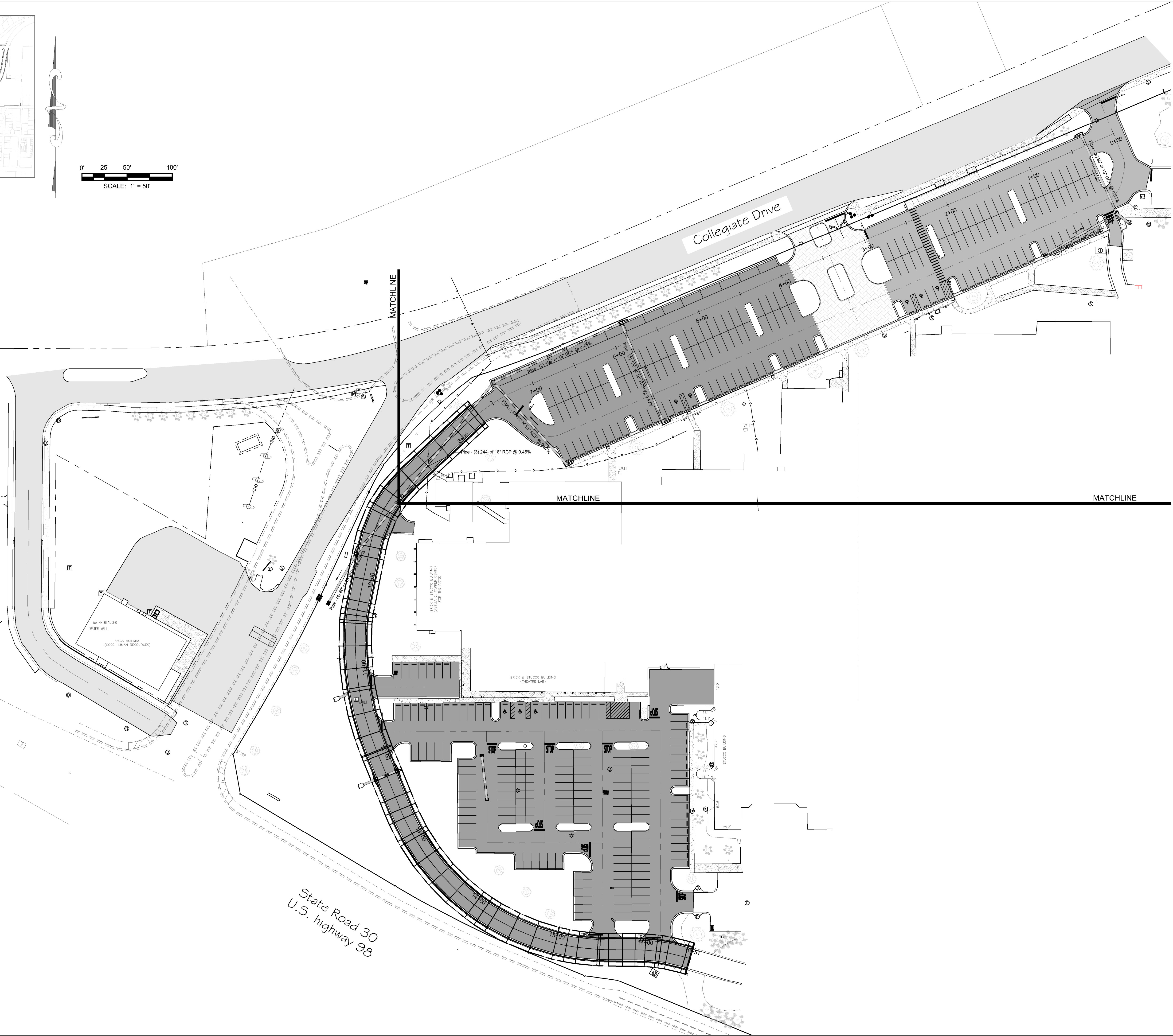


May 5, 2017 (09:39:35 EST)  
K:\0090785 GCSC PARKING IMPR PH III\civil\30\FOLDER\PRODUCTION\0090785\_SIGNAGE.DWG



0' 25' 50' 100'  
SCALE: 1" = 50'

NOTE:  
ALL STRIPING SHALL BE THERMOPLASTIC



FLORIDA  
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Panama City, FL 32401  
P 850/257-5400

JONATHAN SKLARSKI  
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Checked By:  
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GULF COAST STATE COLLEGE  
CAMPUS IMPROVEMENTS  
PHASE III

OVERALL  
SIGNAGE AND  
STRIPING PLAN

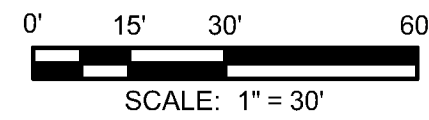
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Panama City, Fl. 32401  
P 850/257-5400

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GULF COAST STATE COLLEGE  
CAMPUS IMPROVEMENTS  
PHASE III

## SIGNAGE AND STRIPING PLAN

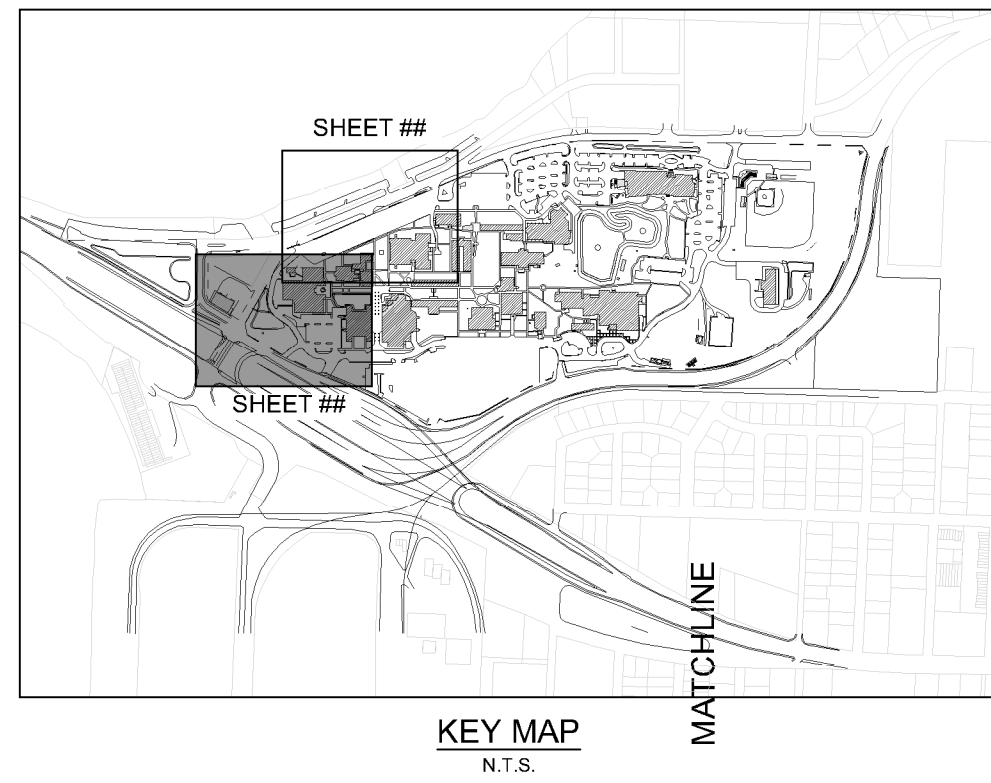
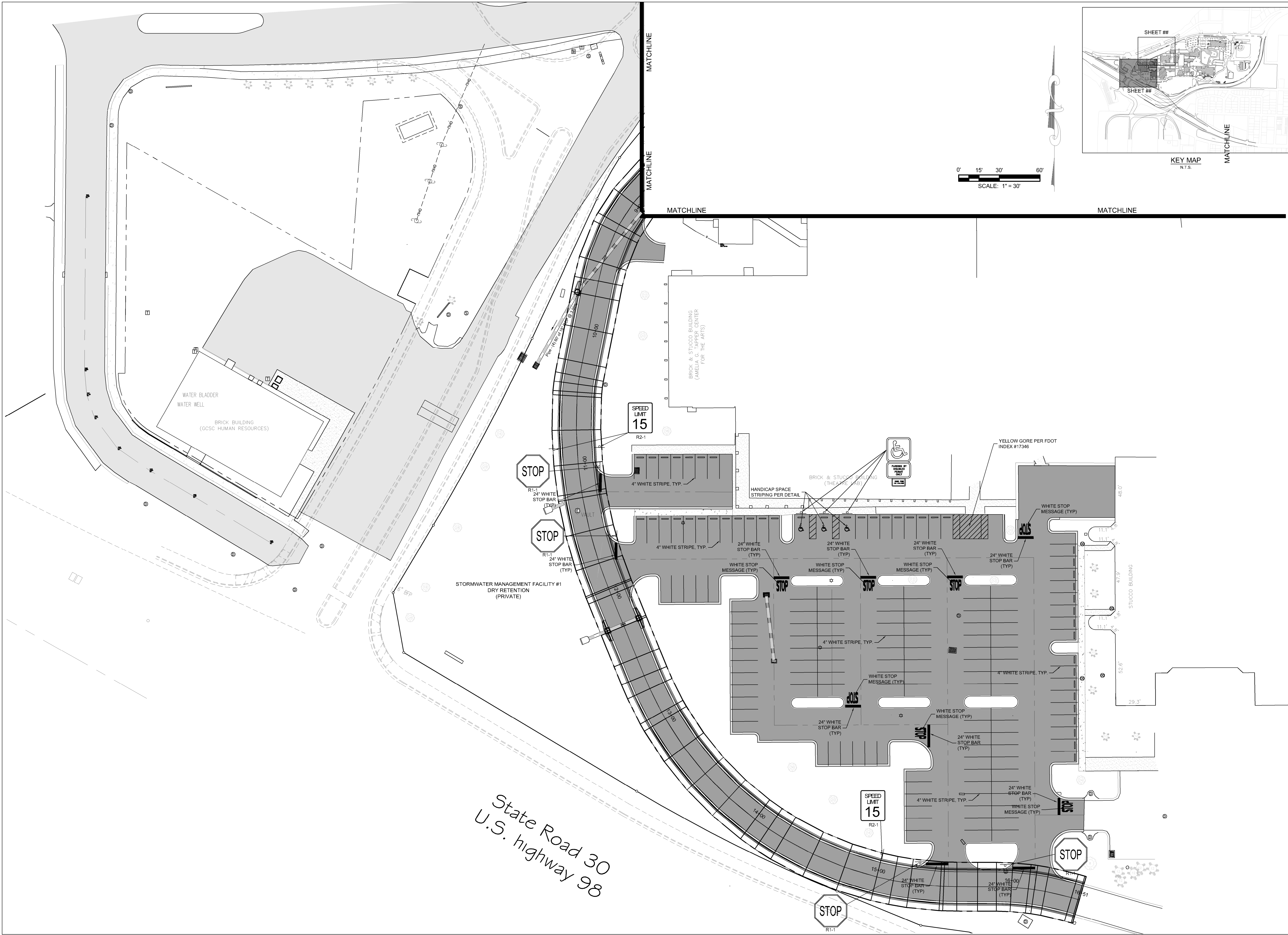
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DOCUMENTS

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C24



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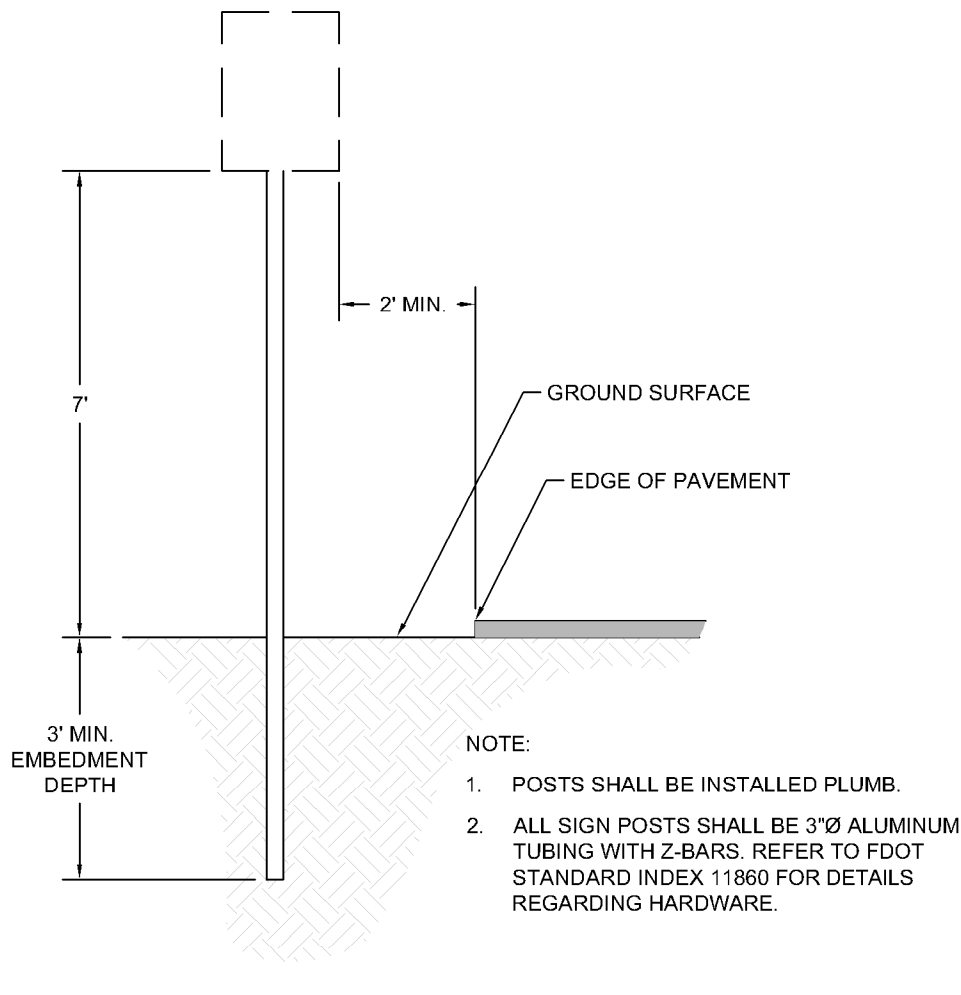
GULF COAST STATE COLLEGE  
CAMPUS IMPROVEMENTS  
PHASE III

SIGNAGE AND  
STRIPING PLAN

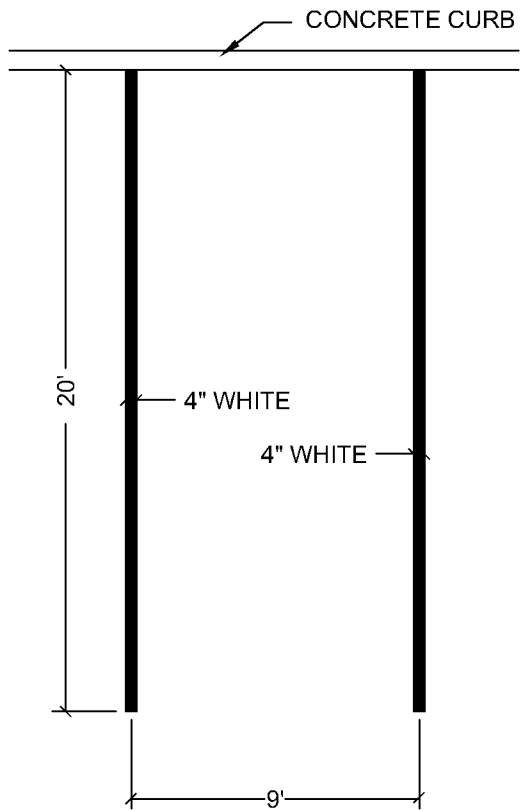
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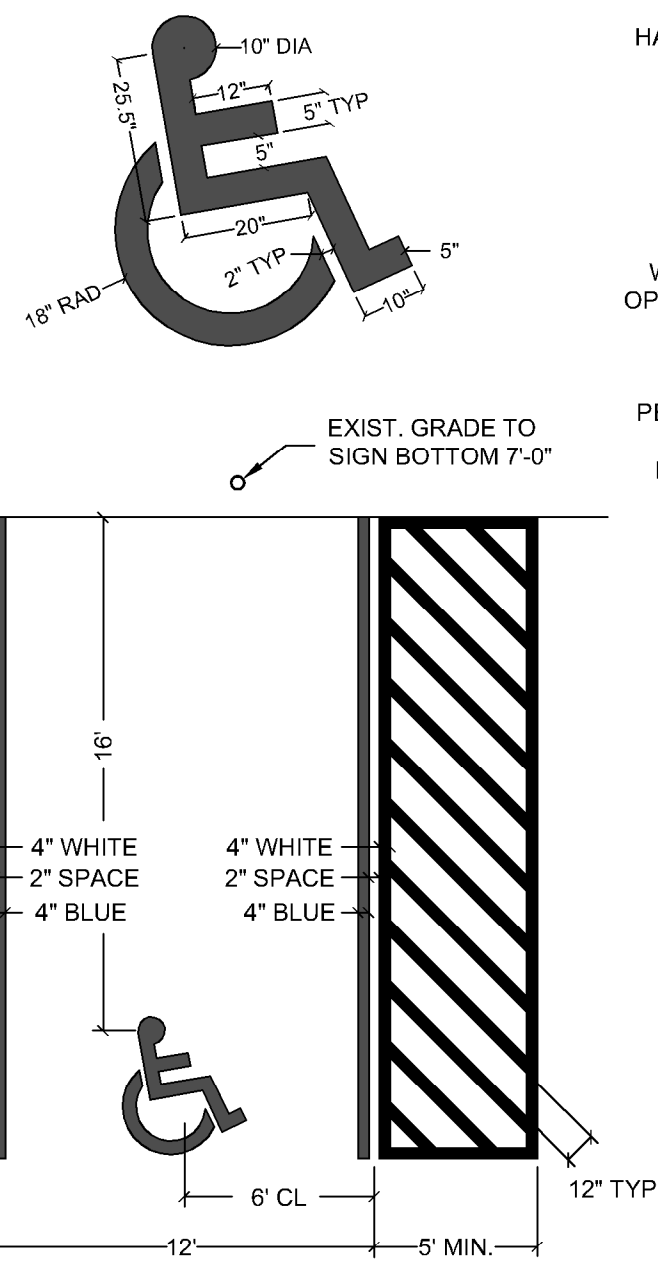




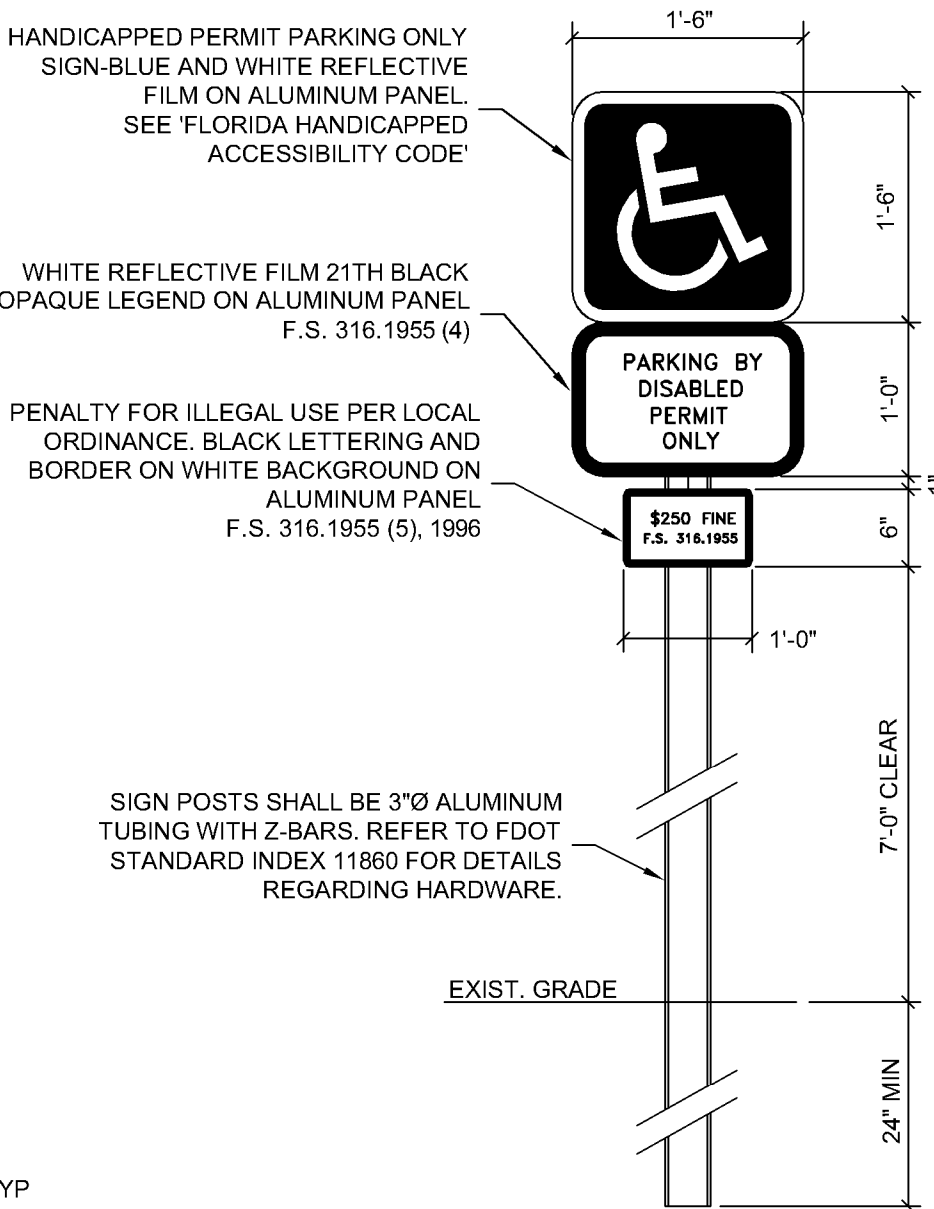
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SCALE: N.T.S.



DETAIL TYPICAL PARKING SPACE STRIPING  
SCALE: N.T.S.

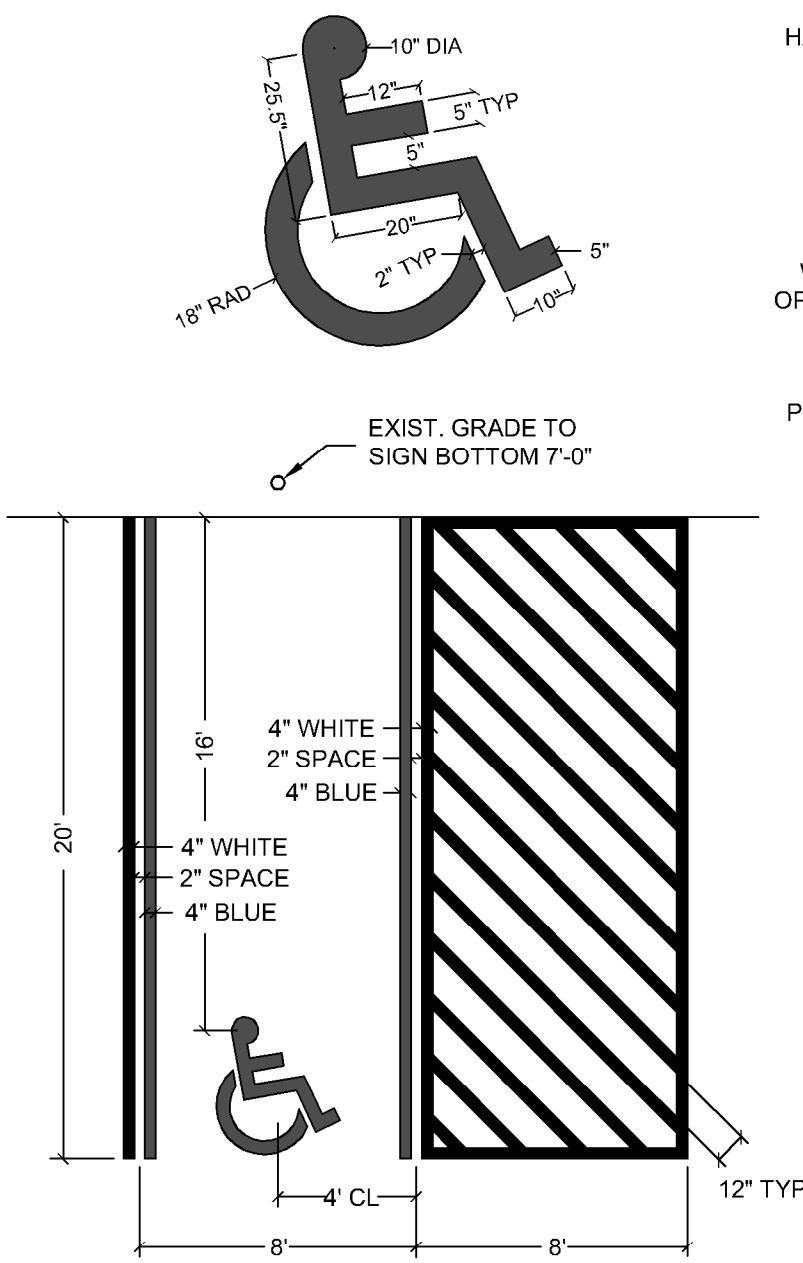


HANDICAP PARKING STRIPING

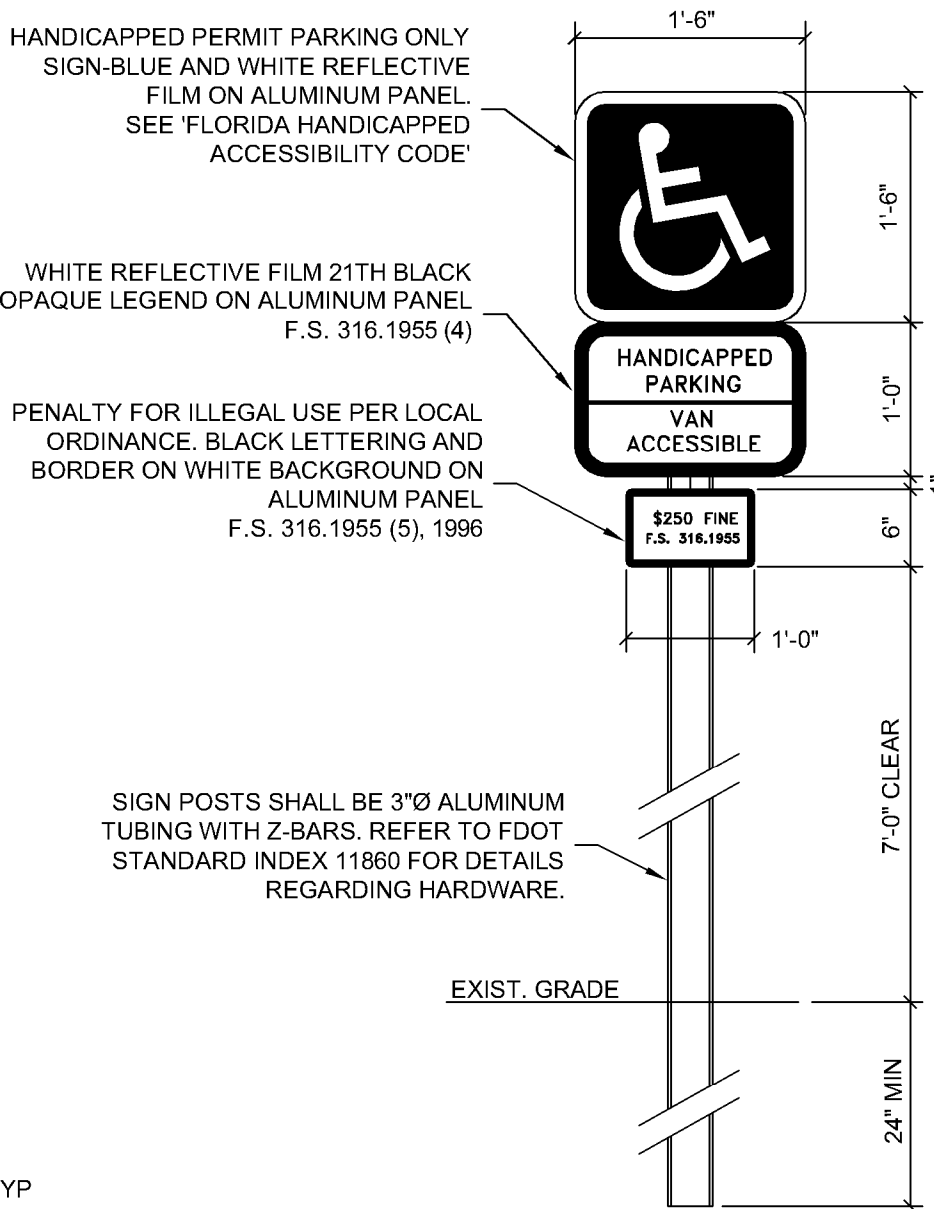


HANDICAP PARKING SIGN

DETAIL HANDICAP PARKING DETAILS  
SCALE: N.T.S.



VAN ACCESSIBLE HANDICAP PARKING STRIPING



HANDICAP PARKING SIGN

DETAIL VAN ACCESSIBLE HANDICAP PARKING DETAILS  
SCALE: N.T.S.



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GULF COAST STATE COLLEGE  
CAMPUS IMPROVEMENTS  
PHASE III

SIGNAGE DETAILS

CONSTRUCTION DOCUMENTS

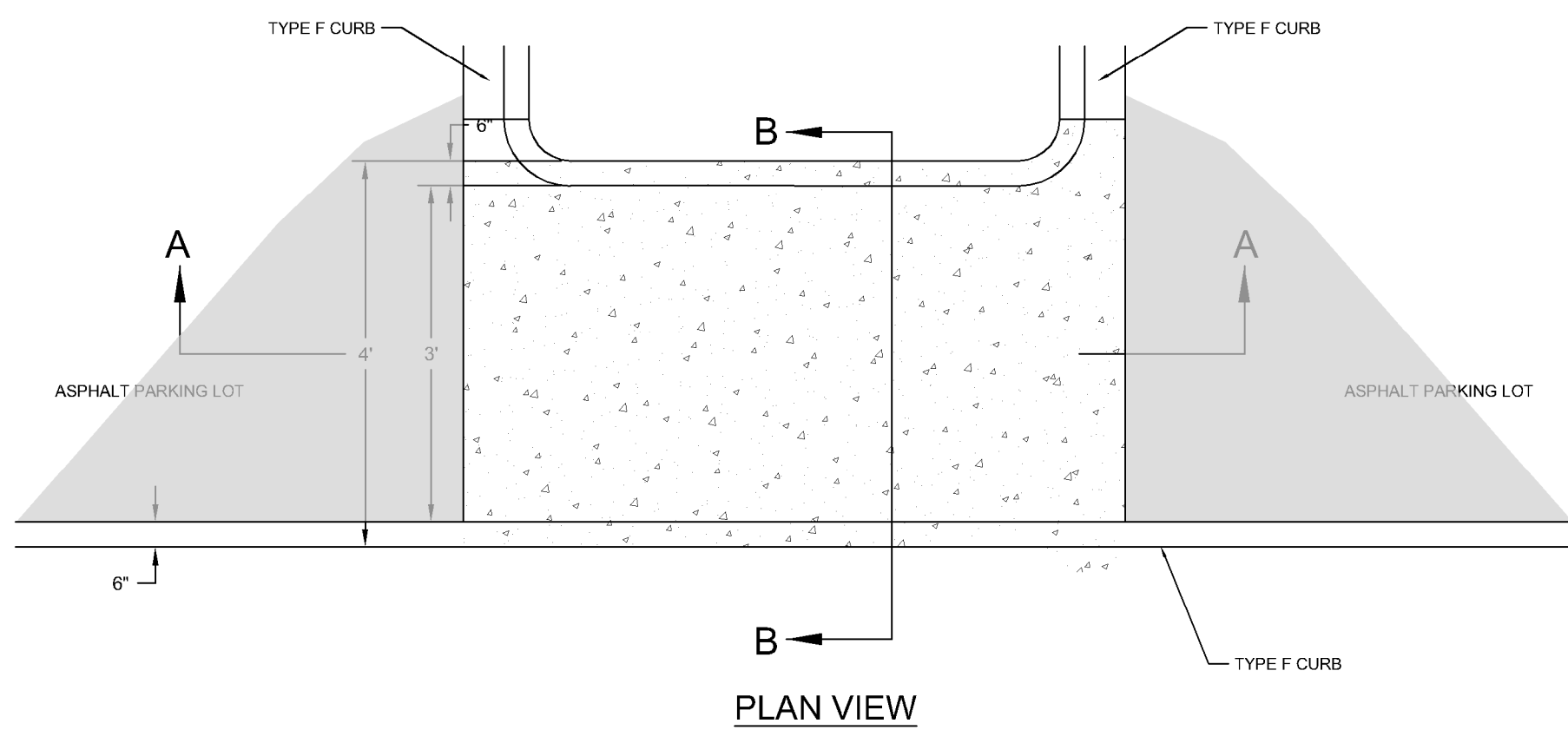
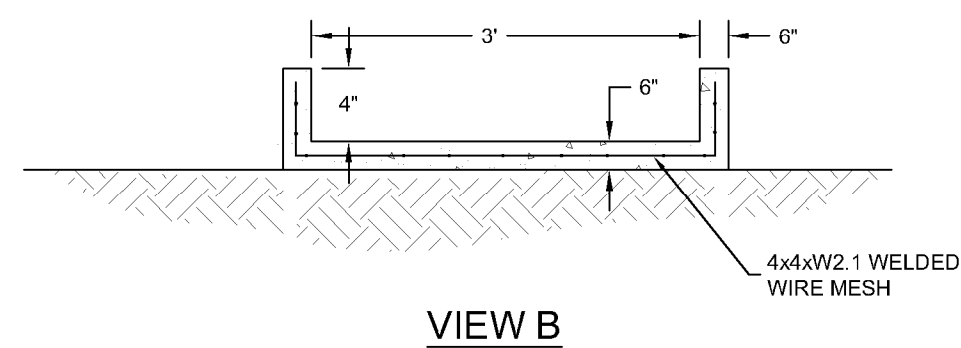
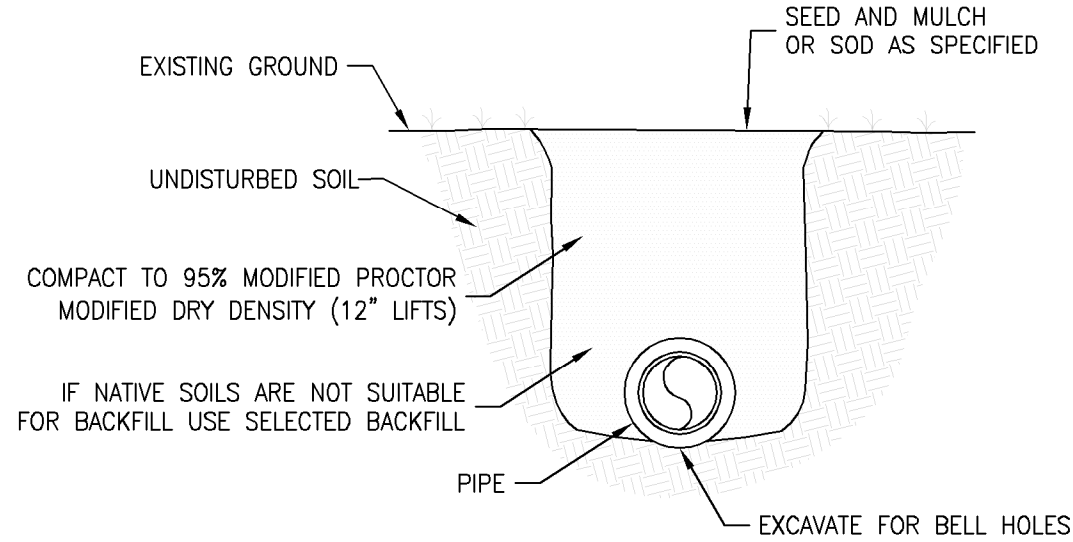
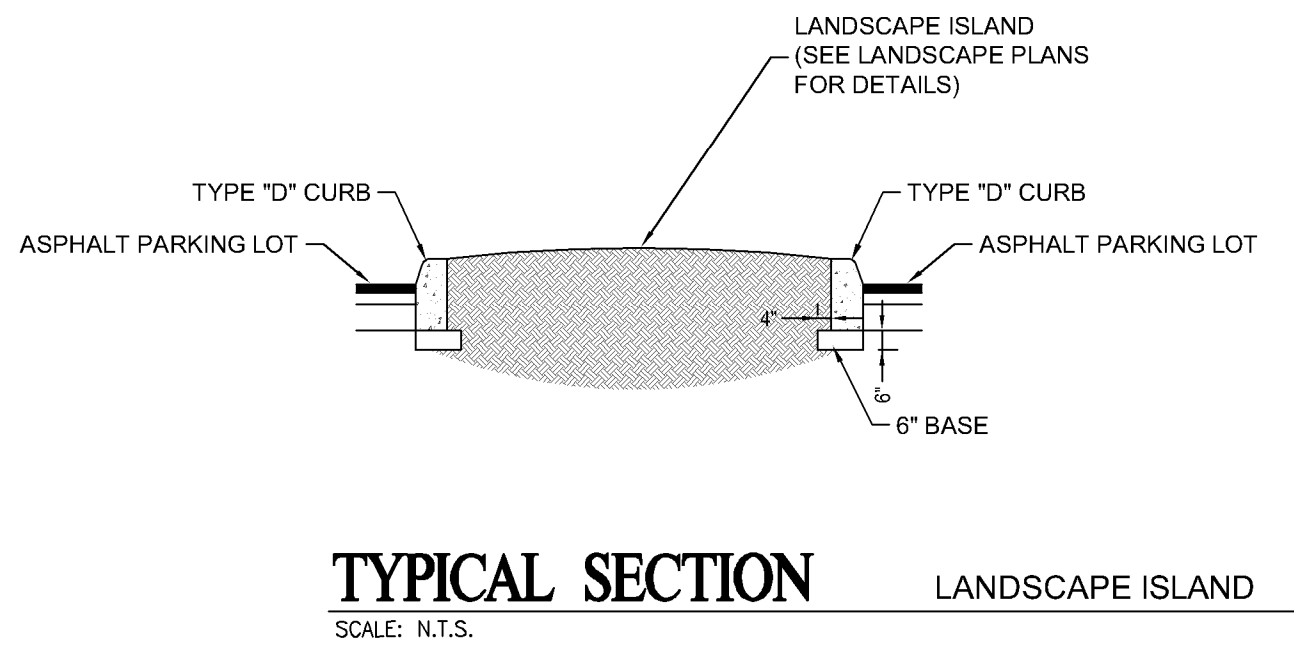
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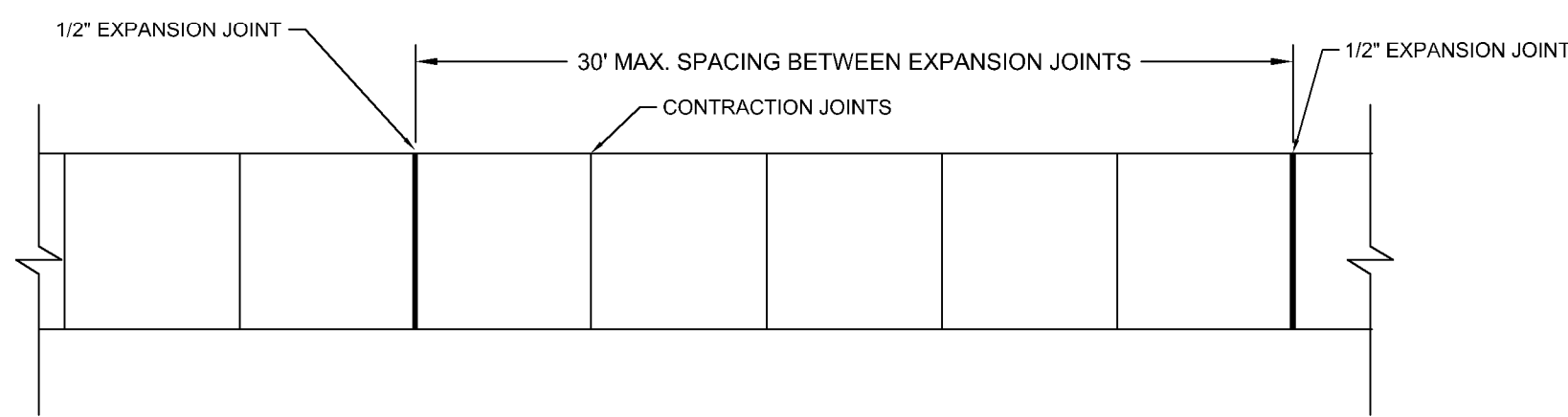
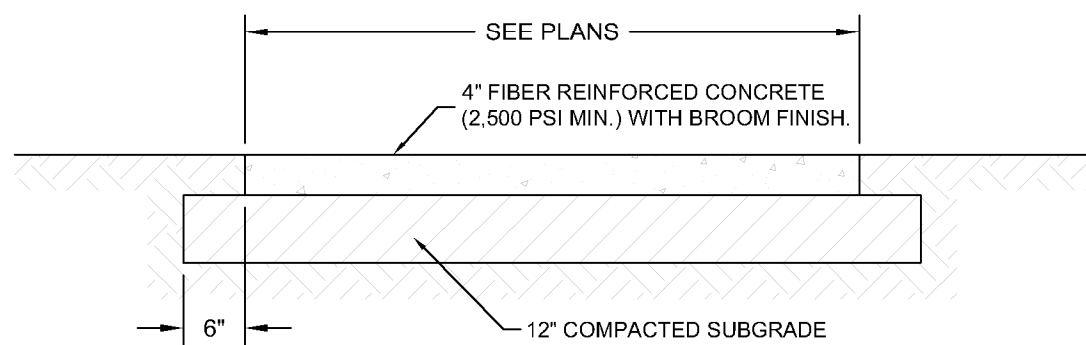
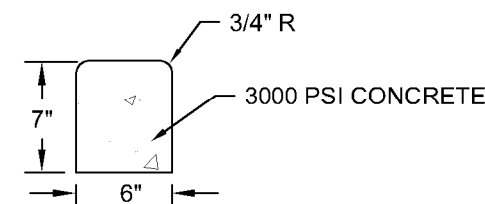
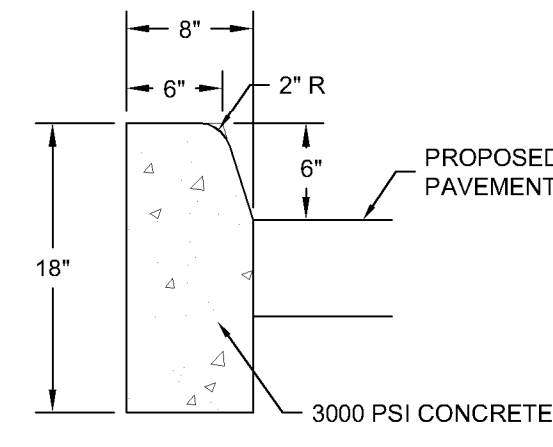
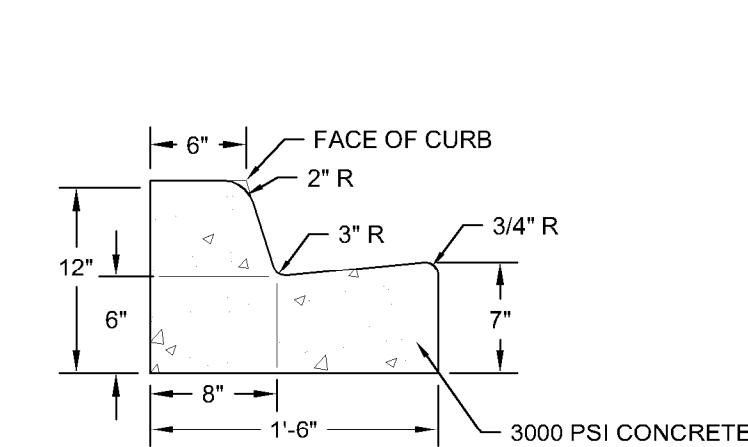
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May 4, 2017 (17:21:19 EST)  
K:\0000785 GCSC PARKING IMPR PH III\01\30\FOLDER\PRODUCTION\0000785\_SWPPP.DWG

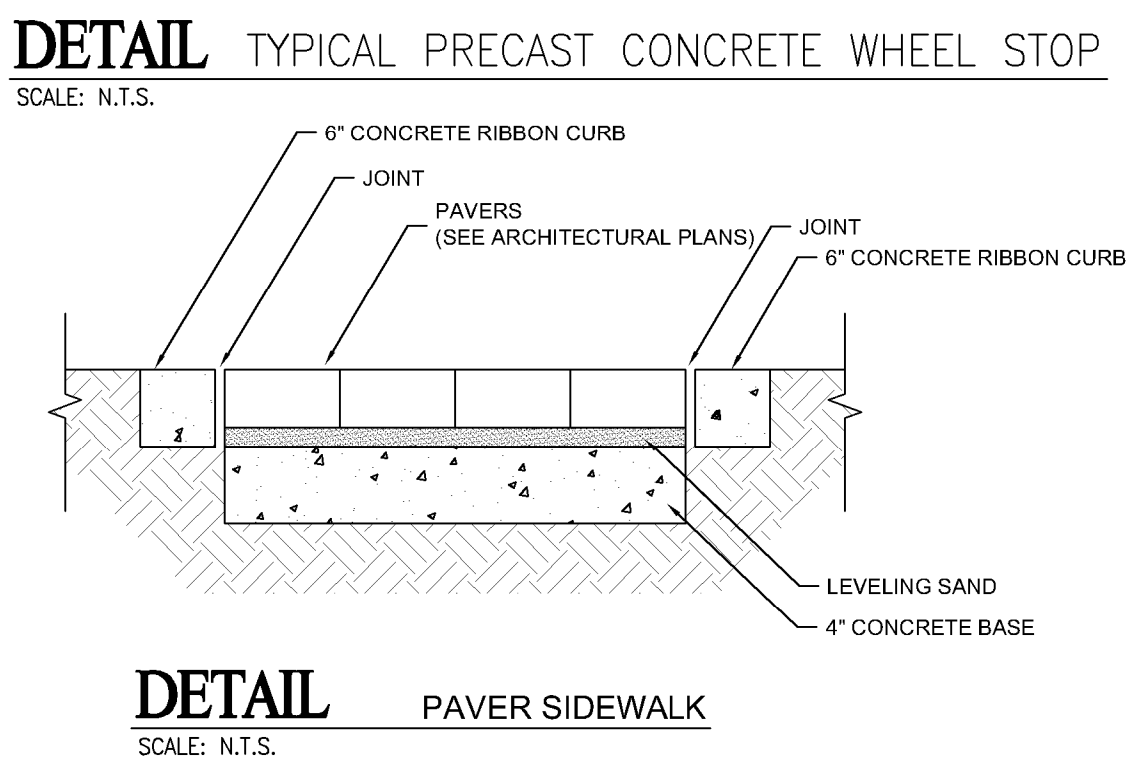
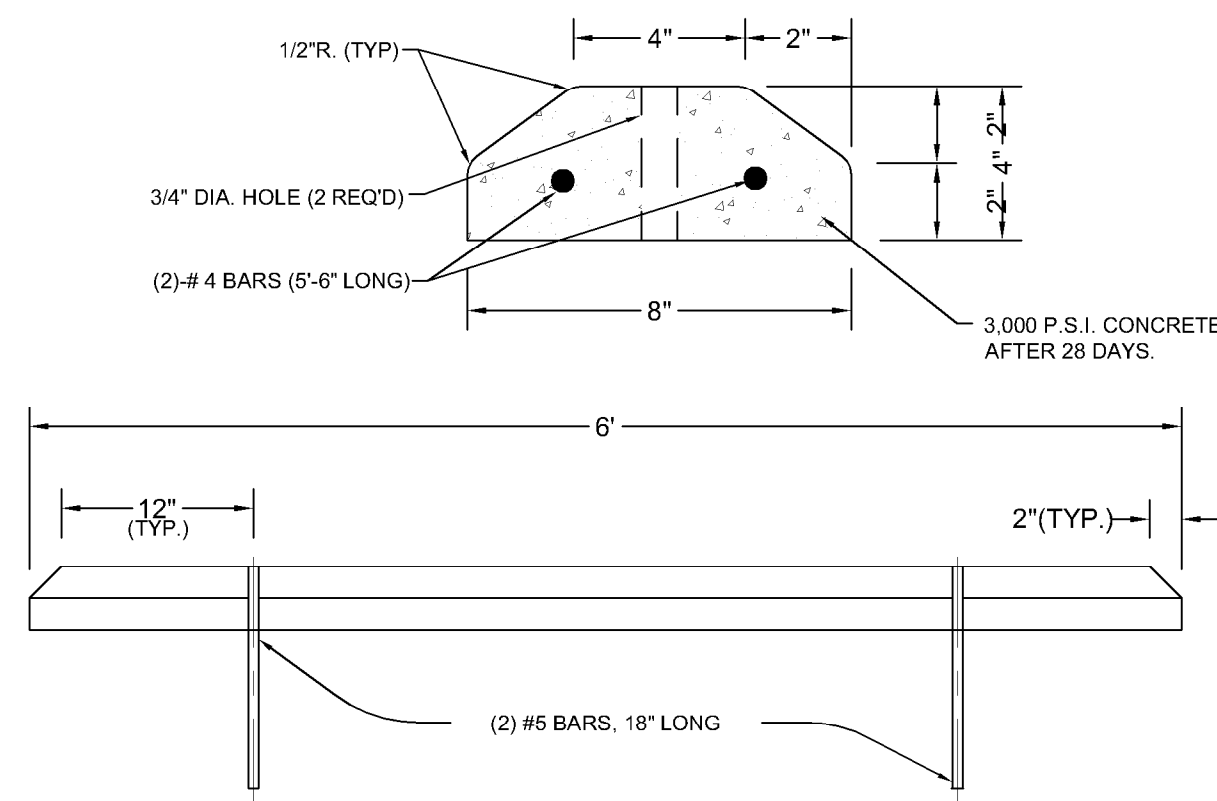
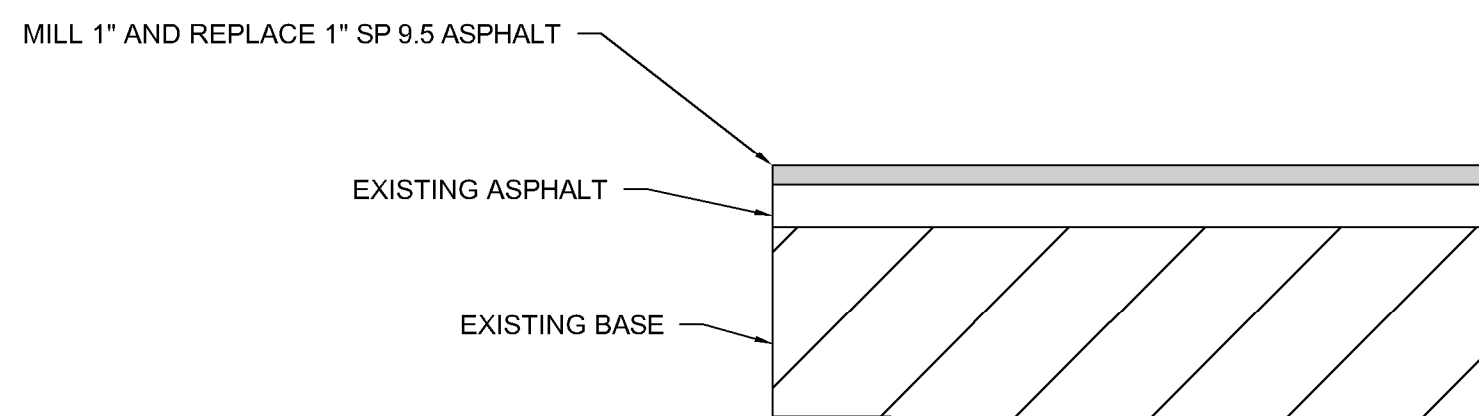
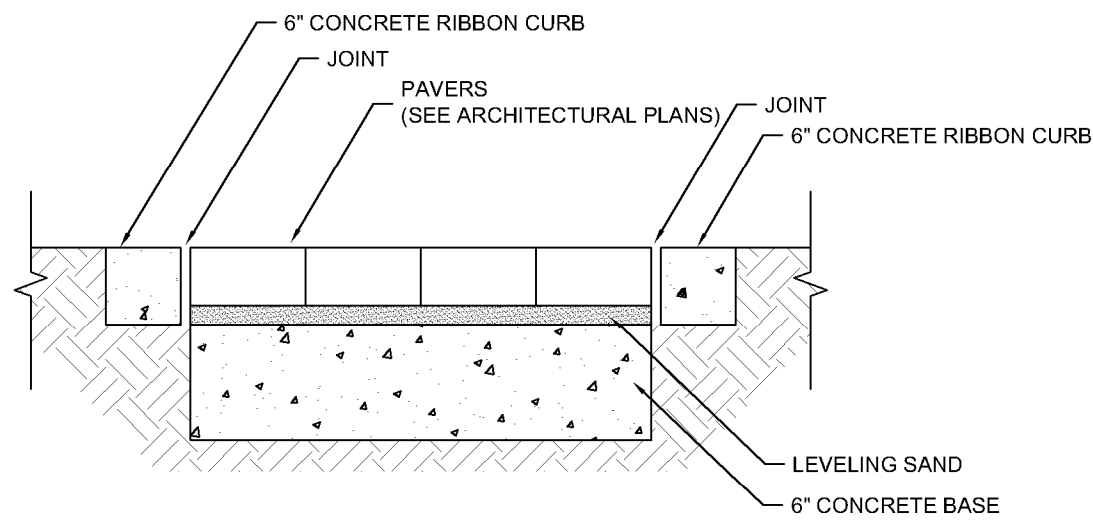
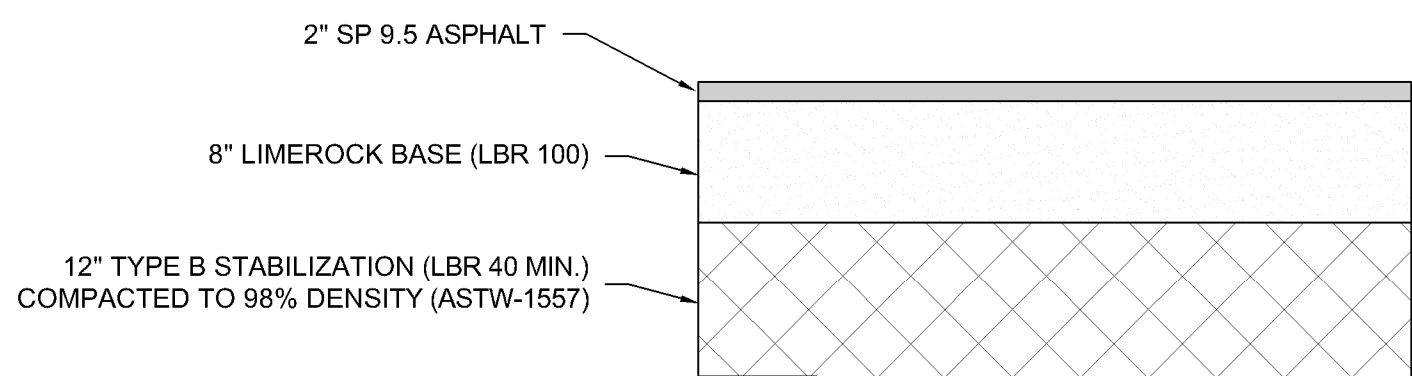


**DETAIL** CONCRETE FLUME  
SCALE: N.T.S.



- NOTE:**
1. ALL SIDEWALKS SHALL BE 4" THICK WITH BROOM FINISH.
  2. FOR WALKS 8' AND NARROWER, SPACE TRANSVERSE CONTRACTION JOINTS AT INTERVAL EQUAL TO WIDTH OF WALK OR AS NOTED.
  3. CONTRACTION JOINTS TO BE 1" DEEP SCORED, SAW-CUT, OR FORMED WITH INSERT AT CONTRACTORS OPTION UNLESS NOTED OTHERWISE. SCORED JOINTS TO USE AN APPROVED TOOL. INSERTS TO BE GREENSTREAK, ZIPCAP #855 OR EQUAL. SCORED JOINTS TO BE EDGED WITH 1/8" RADIUS.
  4. EXPANSION JOINT REQUIRED WHERE SHOWN. EXPANSION JOINT TO CONSIST OF 1/2" FIBER BOARD AND GREENSTREAK CAP SEAL #624 OR EQUAL.
  5. ALL SIDEWALKS SHALL HAVE A MINIMUM 2% CROSS SLOPE.

**DETAIL** SIDEWALK  
SCALE: N.T.S.



**FLORIDA ARCHITECTS**  
LICENSE #M00002730  
648 Florida Avenue  
Panama City, Fl. 32401  
P 850/257-5400

JONATHAN SKLARSKI  
FL. P.E. 67361

Principal in Charge  
Joseph J. Sorci  
Project Number:  
4166-15  
Date Issued:  
5-4-2017  
Drawn By:  
M.W.  
Checked By:  
J.S.  
Revisions:  
  
BID No.  
ITB#8-2016/2017



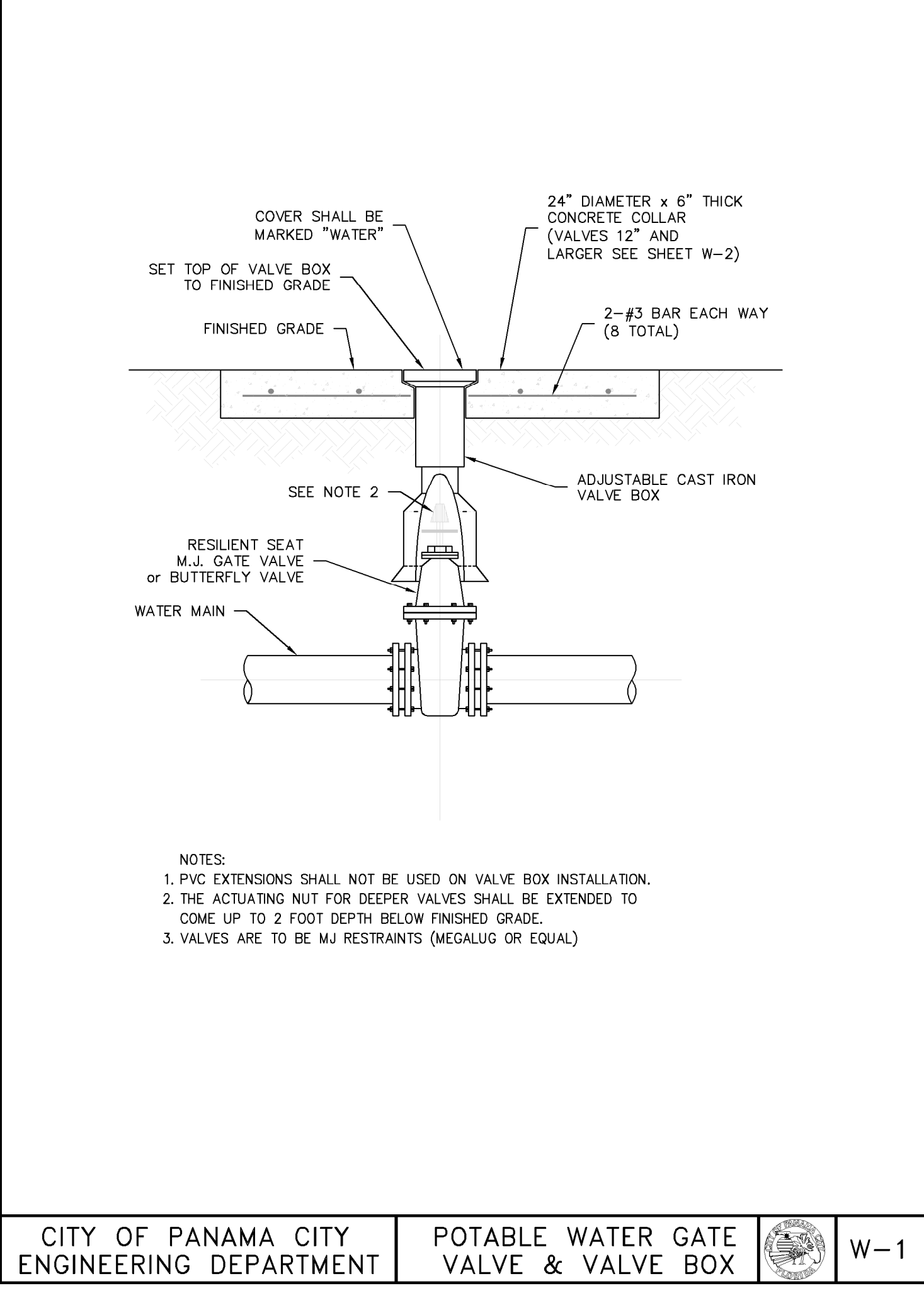
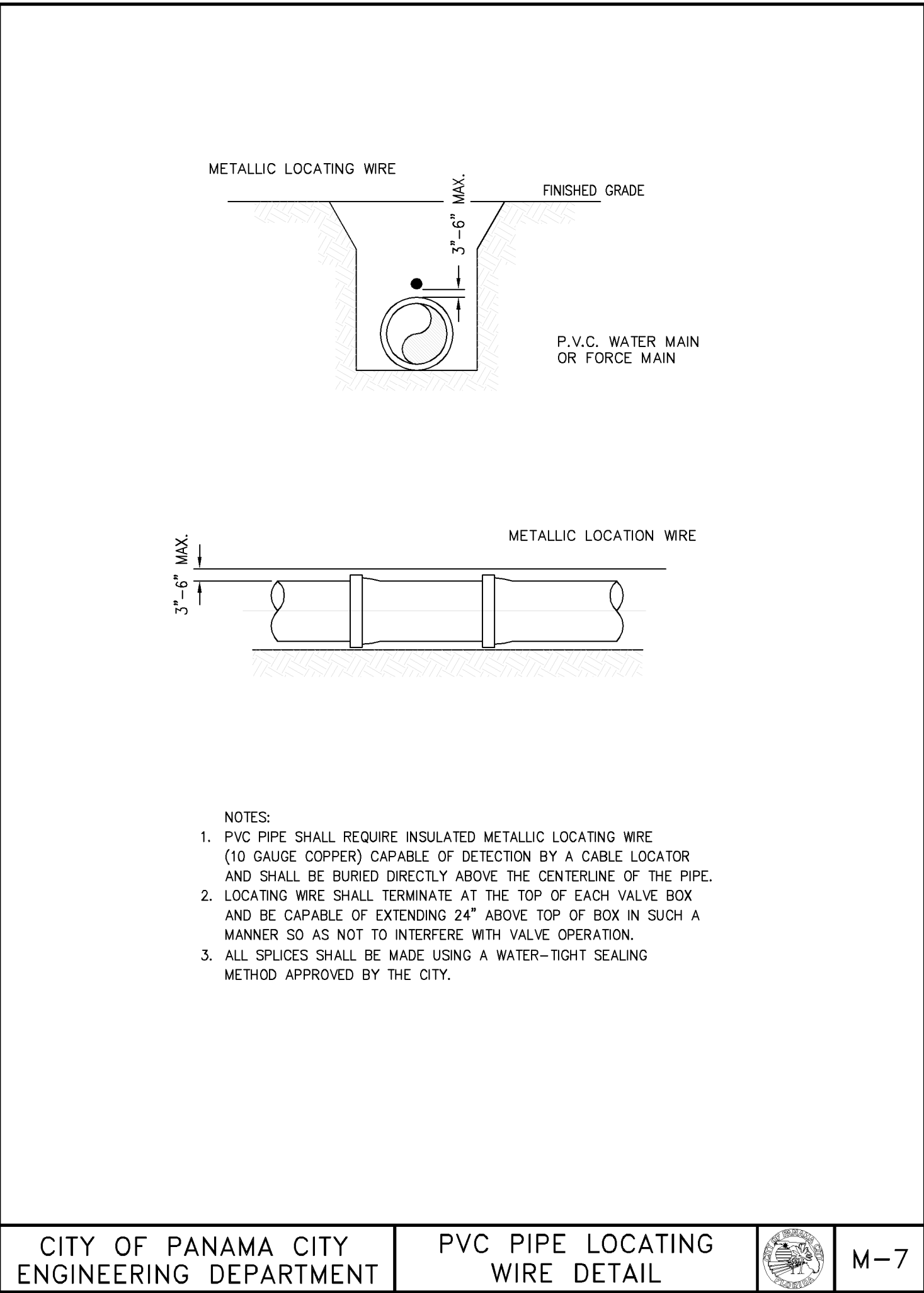
**GULF COAST STATE COLLEGE  
CAMPUS IMPROVEMENTS  
PHASE III**

**MISCELLANEOUS  
DETAILS**

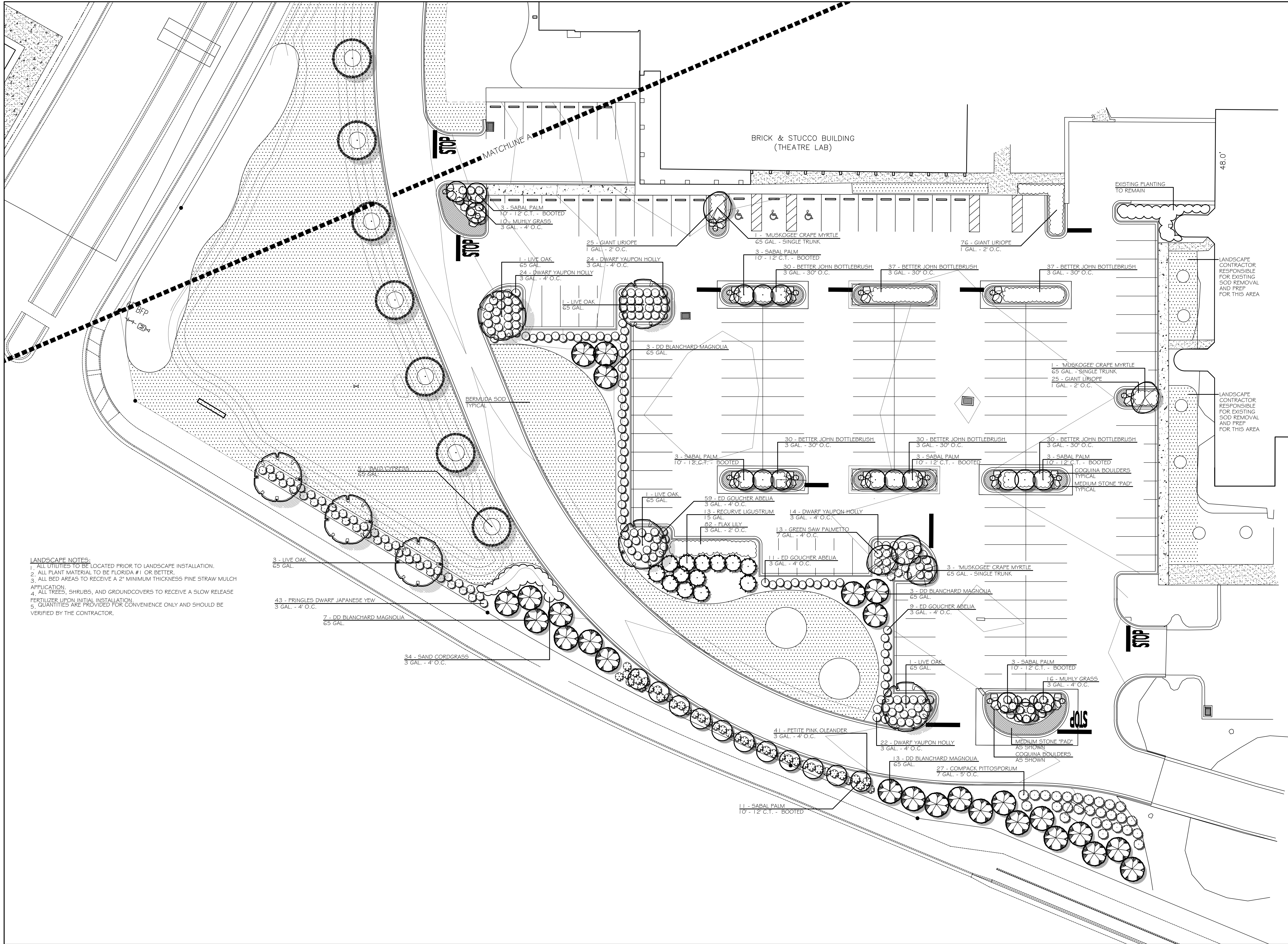
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LANDSCAPE NOTES:  
1. ALL UTILITIES TO BE LOCATED PRIOR TO LANDSCAPE INSTALLATION.  
2. ALL PLANT MATERIAL TO BE FLORIDA #1 OR BETTER.  
3. ALL BED AREAS TO RECEIVE A 2" MINIMUM THICKNESS PINE STRAW MULCH APPLICATION.  
4. ALL TREES, SHRUBS, AND GROUNDCOVERS TO RECEIVE A SLOW RELEASE FERTILIZER UPON INITIAL INSTALLATION.  
5. QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY AND SHOULD BE VERIFIED BY THE CONTRACTOR.

3 - LIVE OAK  
65 GAL.

43 - PRINGLES DWARF JAPANESE YEW  
3 GAL. - 4' O.C.

7 - DD BLANCHARD MAGNOLIA  
65 GAL.

34 - SAND CORDGRASS  
3 GAL. - 4' O.C.

BRICK & STUCCO BUILDING  
(THEATRE LAB)

3 - SABAL PALM  
10' - 12' C.T. - BOOTED  
10 - MUHLY GRASS  
3 GAL. - 4' O.C.

25 - GIANT LIRIOPE  
1 GAL. - 2' O.C.  
24 - DWARF YAUPOH HOLLY  
3 GAL. - 4' O.C.

1 - LIVE OAK  
65 GAL.

3 - DD BLANCHARD MAGNOLIA  
65 GAL.

1 - 'MUSKOGEE' CRAPE MYRTLE  
65 GAL. - SINGLE TRUNK

3 - SABAL PALM  
10' - 12' C.T. - BOOTED

30 - BETTER JOHN BOTTLEBRUSH  
3 GAL. - 30' O.C.

76 - GIANT LIRIOPE  
1 GAL. - 2' O.C.

37 - BETTER JOHN BOTTLEBRUSH  
3 GAL. - 30' O.C.

37 - BETTER JOHN BOTTLEBRUSH  
3 GAL. - 30' O.C.

1 - 'MUSKOGEE' CRAPE MYRTLE  
65 GAL. - SINGLE TRUNK  
25 - GIANT LIRIOPE  
1 GAL. - 2' O.C.

30 - BETTER JOHN BOTTLEBRUSH  
3 GAL. - 30' O.C.

30 - BETTER JOHN BOTTLEBRUSH  
3 GAL. - 30' O.C.

30 - BETTER JOHN BOTTLEBRUSH  
3 GAL. - 30' O.C.

3 - SABAL PALM  
10' - 12' C.T. - BOOTED

59 - ED GOUCHER ABELIA  
3 GAL. - 4' O.C.

13 - RECURVE LIGUSTRUM  
15 GAL.

82 - FLAX LILY  
3 GAL. - 2' O.C.

14 - DWARF YAUPOH HOLLY  
3 GAL. - 4' O.C.

13 - GREEN SAW PALMETTO  
7 GAL. - 4' O.C.

11 - ED GOUCHER ABELIA  
3 GAL. - 4' O.C.

3 - 'MUSKOGEE' CRAPE MYRTLE  
65 GAL. - SINGLE TRUNK

3 - DD BLANCHARD MAGNOLIA  
65 GAL.

9 - ED GOUCHER ABELIA  
3 GAL. - 4' O.C.

1 - LIVE OAK  
65 GAL.

3 - SABAL PALM  
10' - 12' C.T. - BOOTED

16 - MUHLY GRASS  
3 GAL. - 4' O.C.

MEDIUM STONE "PAD"  
AS SHOWN  
COQUINA BOULDERS  
AS SHOWN

41 - PETITE PINK OLEANDER  
3 GAL. - 4' O.C.

22 - DWARF YAUPOH HOLLY  
3 GAL. - 4' O.C.

13 - DD BLANCHARD MAGNOLIA  
65 GAL.

27 - COMPACT PITOSPORUM  
7 GAL. - 5' O.C.

11 - SABAL PALM  
10' - 12' C.T. - BOOTED



FLORIDA  
ARCHITECTS  
LICENSE #AA0002730  
648 Florida Avenue  
Panama City, FL 32401  
P 850/257-5400

Principal in Charge  
Sean P. Daly  
Project Number:

Date Issued:  
5/11/17  
Drawn By:  
D.C.  
Checked By:  
D.B.  
Revisions:



GULF COAST STATE COLLEGE  
PHASE 3  
CAMPUS IMPROVEMENTS

Landscape  
Plan



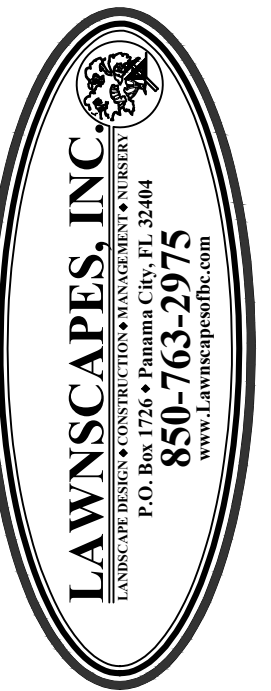
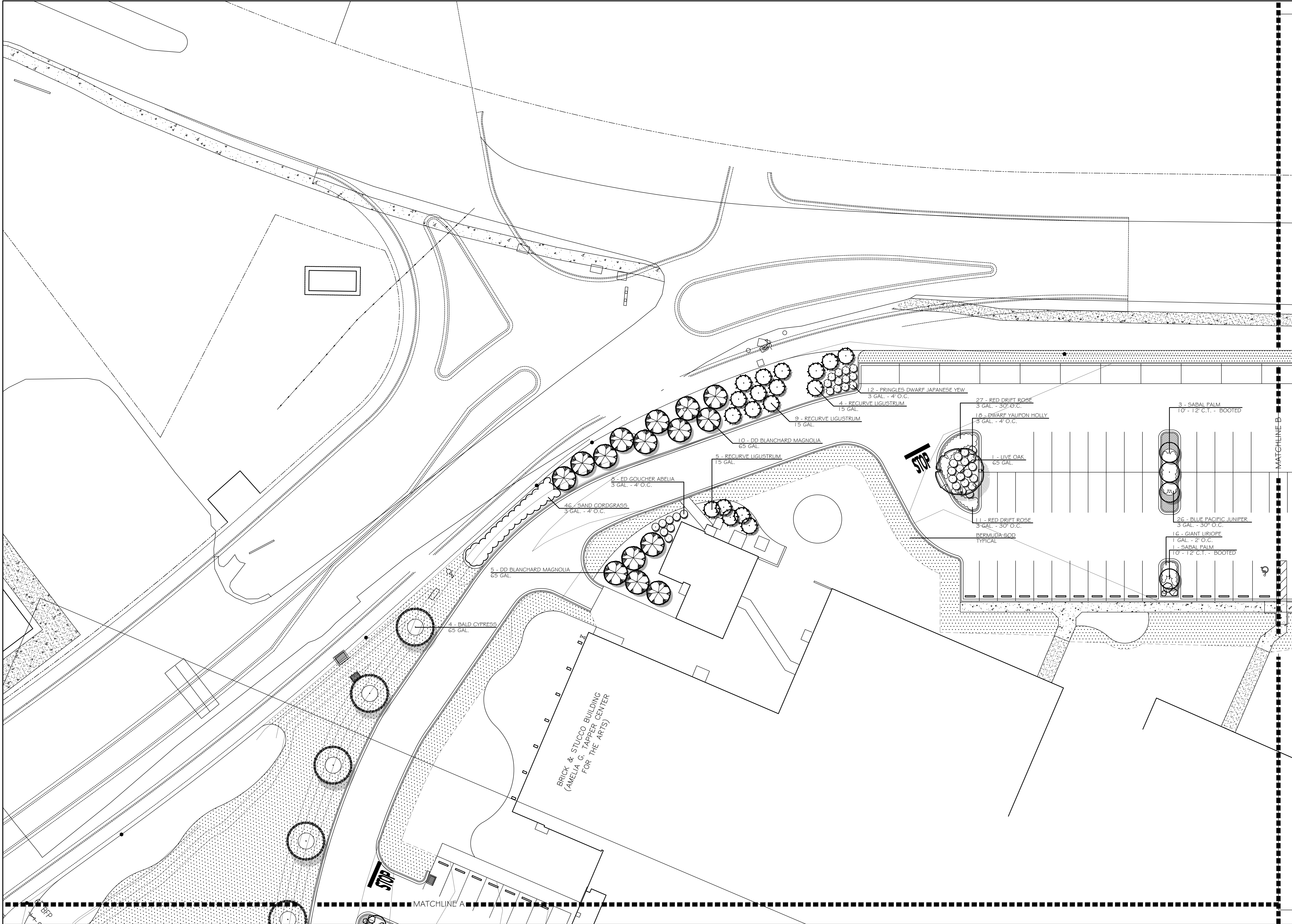
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GULF COAST STATE COLLEGE  
PHASE 3  
CAMPUS IMPROVEMENTS

Landscape  
Plan



CONSTRUCTION  
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Sheet Number

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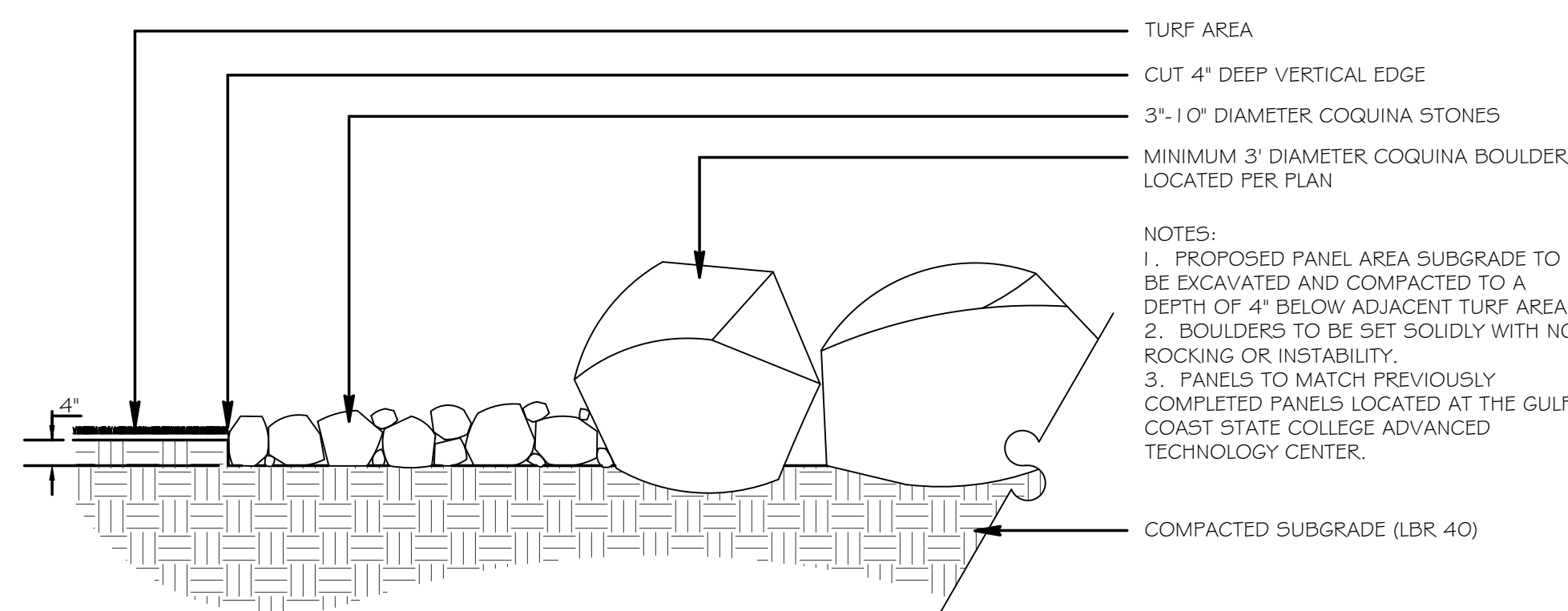
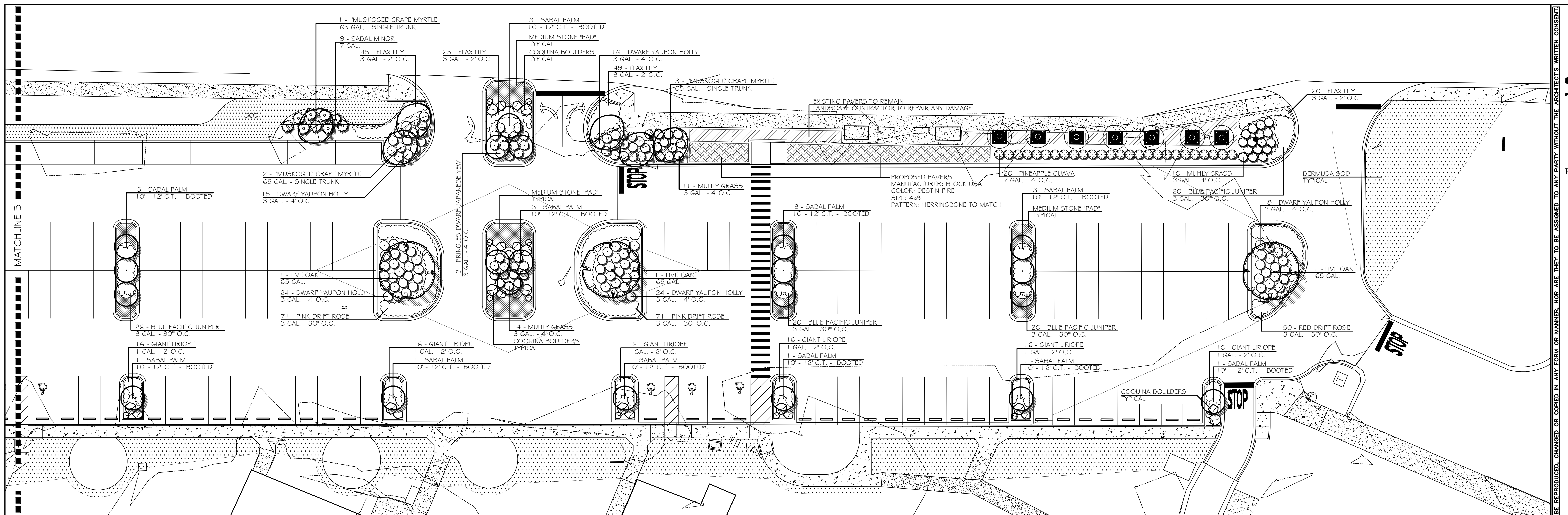
**PHASE 3**  
**CAMPUS IMPROVEMENTS**

## Landscape Plan

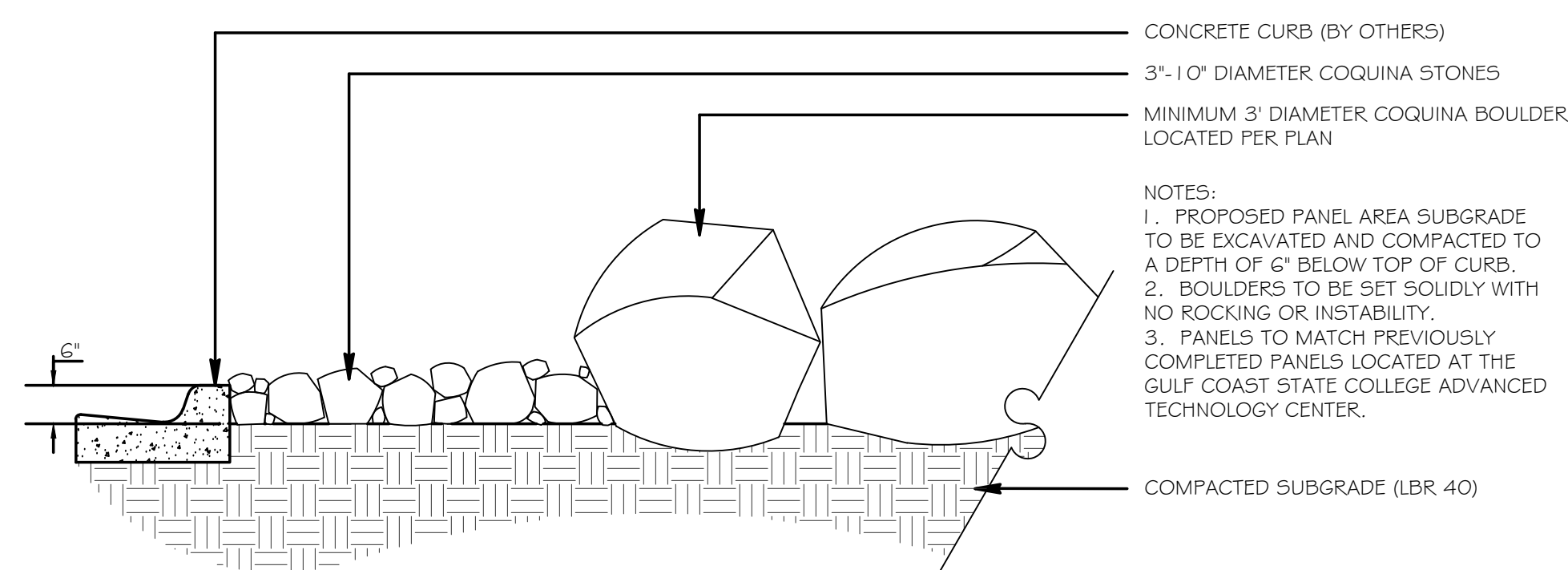
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DOCUMENTS

Sheet Number

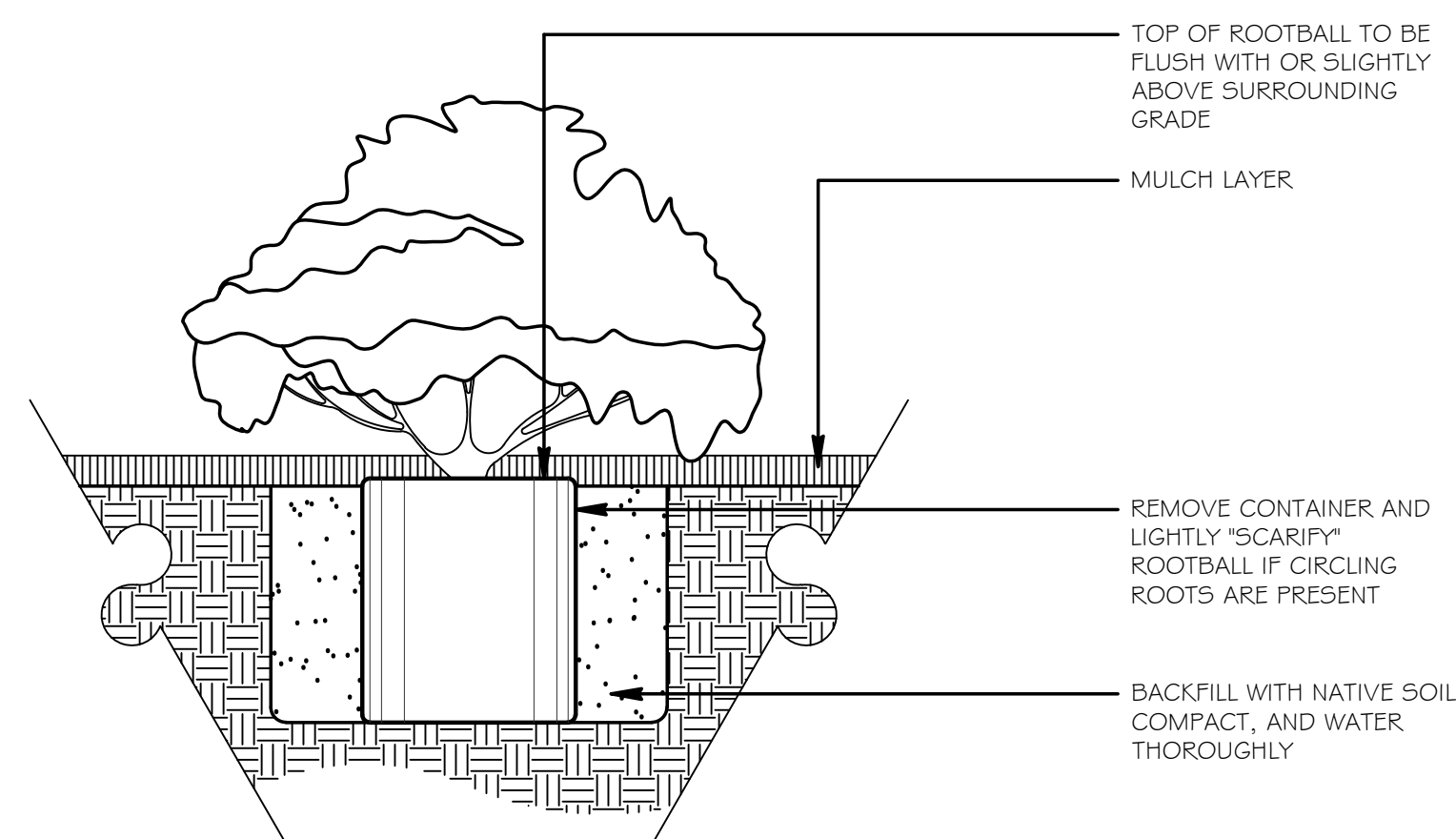
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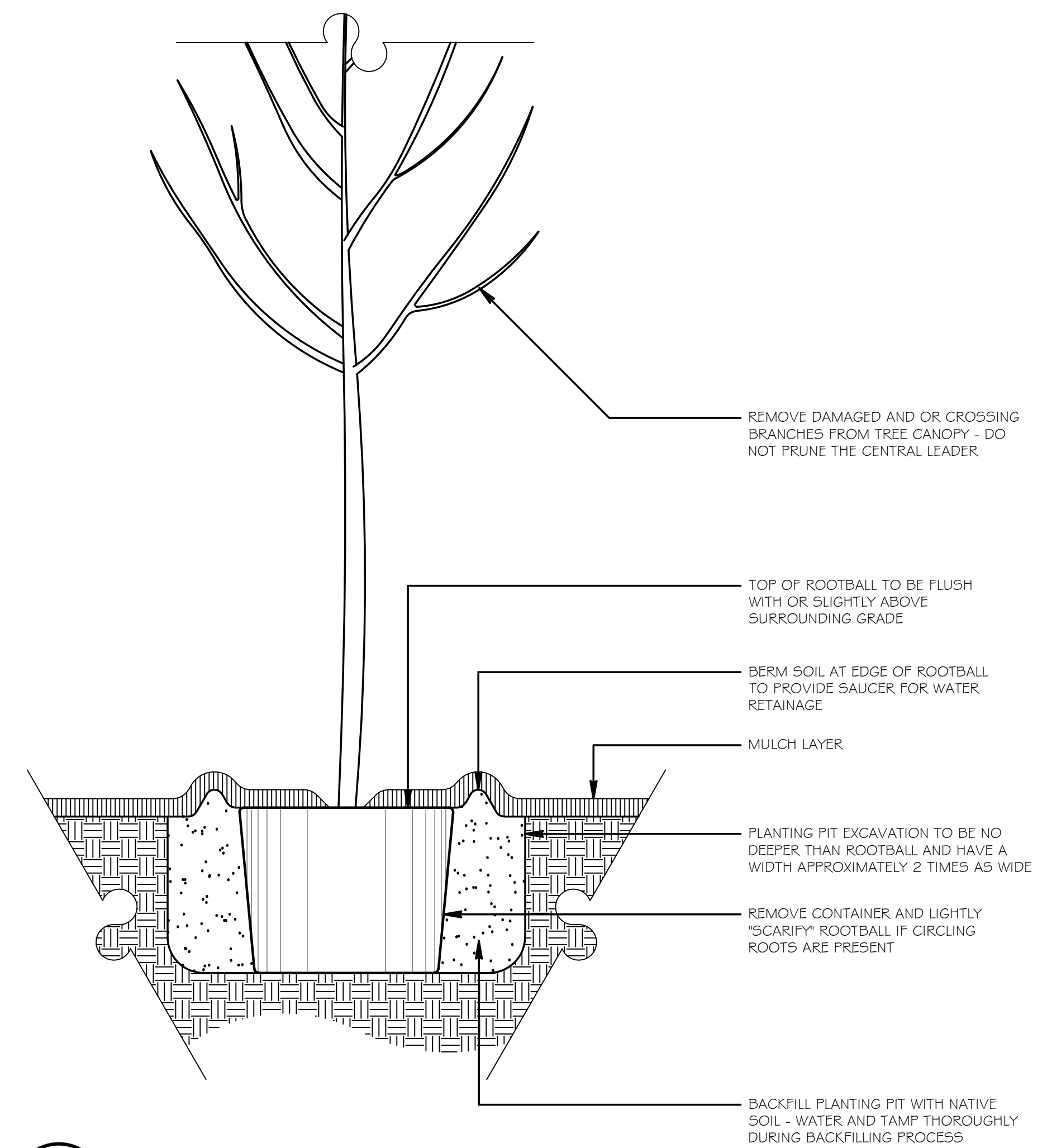
PANEL ABUTTING TURF AREA



PANEL ABUTTING CURB



## CONTAINER SHRUB PLANTING



## TREE PLANTING DETAIL

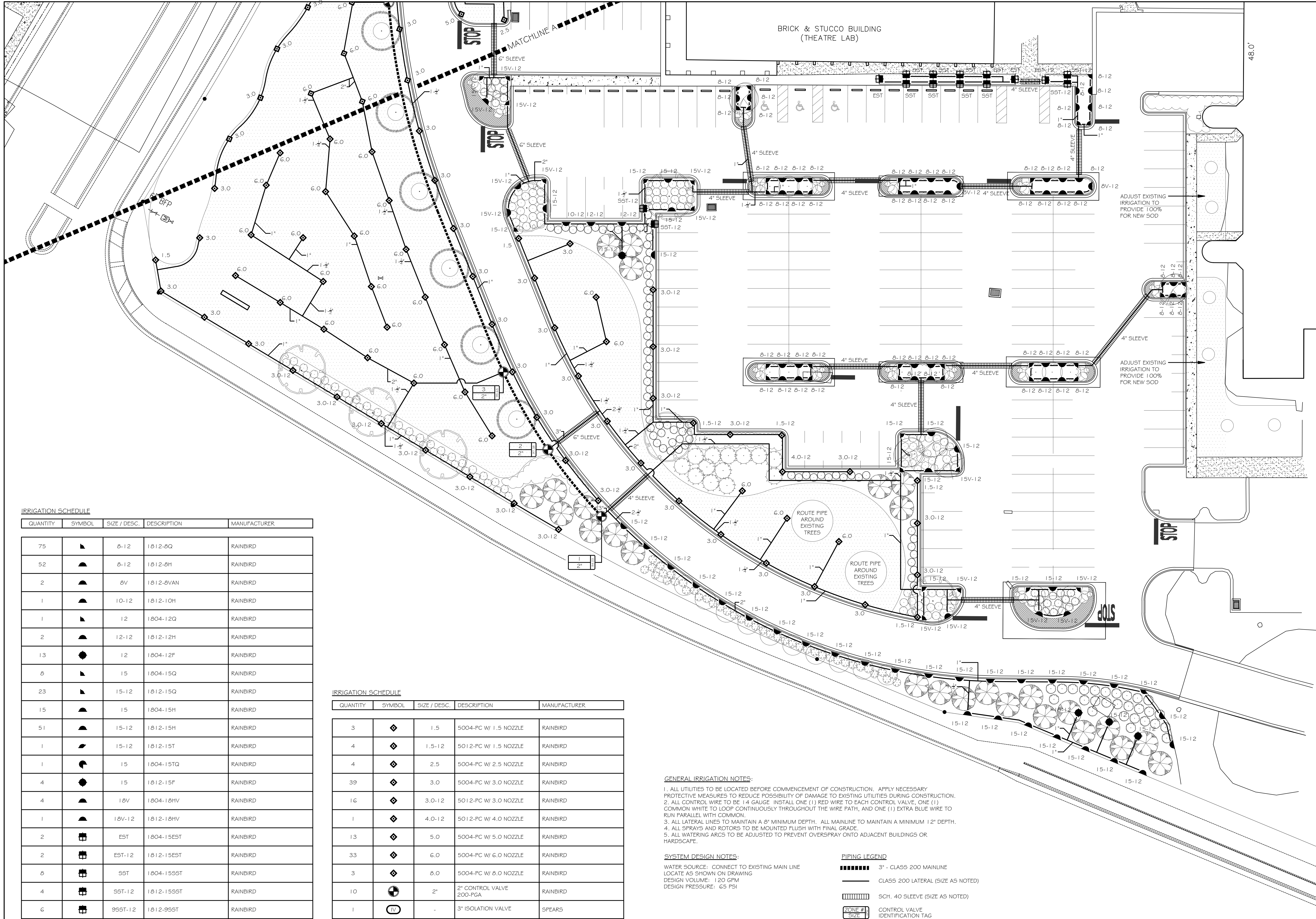
1 MEDIUM STONE PANEL DETAILS  
L3 NOT TO SCALE

2 CONTAINER SHRUB PLANTING  
L3 NOT TO SCALE

3 TREE PLANTING DETAIL  
L3 NOT TO SCALE

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IRRIGATION SCHEDULE

QUANTITY	SYMBOL	SIZE / DESC.	DESCRIPTION	MANUFACTURER
75	▲	8-12	1812-8Q	RAINBIRD
52	▲	8-12	1812-8H	RAINBIRD
2	▲	8V	1812-8VAN	RAINBIRD
1	▲	10-12	1812-10H	RAINBIRD
1	▲	12	1804-12Q	RAINBIRD
2	▲	12-12	1812-12H	RAINBIRD
13	●	12	1804-12F	RAINBIRD
8	▲	15	1804-15Q	RAINBIRD
23	▲	15-12	1812-15Q	RAINBIRD
15	▲	15	1804-15H	RAINBIRD
51	▲	15-12	1812-15H	RAINBIRD
1	▲	15-12	1812-15T	RAINBIRD
1	▲	15	1804-15TQ	RAINBIRD
4	●	15	1812-15F	RAINBIRD
4	▲	18V	1804-18HV	RAINBIRD
1	▲	18V-12	1812-18HV	RAINBIRD
2	■	EST	1804-15EST	RAINBIRD
2	■	EST-12	1812-15EST	RAINBIRD
8	■	SST	1804-15SST	RAINBIRD
4	■	SST-12	1812-15SST	RAINBIRD
6	■	95ST-12	1812-95ST	RAINBIRD

IRRIGATION SCHEDULE

QUANTITY	SYMBOL	SIZE / DESC.	DESCRIPTION	MANUFACTURER
3	◆	1.5	5004-PC W/ 1.5 NOZZLE	RAINBIRD
4	◆	1.5-12	5012-PC W/ 1.5 NOZZLE	RAINBIRD
4	◆	2.5	5004-PC W/ 2.5 NOZZLE	RAINBIRD
39	◆	3.0	5004-PC W/ 3.0 NOZZLE	RAINBIRD
16	◆	3.0-12	5012-PC W/ 3.0 NOZZLE	RAINBIRD
1	◆	4.0-12	5012-PC W/ 4.0 NOZZLE	RAINBIRD
13	◆	5.0	5004-PC W/ 5.0 NOZZLE	RAINBIRD
33	◆	6.0	5004-PC W/ 6.0 NOZZLE	RAINBIRD
3	◆	8.0	5004-PC W/ 8.0 NOZZLE	RAINBIRD
10	⊙	2"	2" CONTROL VALVE 200-PGA	RAINBIRD
1	⊖	-	3" ISOLATION VALVE	SPEARS

GENERAL IRRIGATION NOTES:

1. ALL UTILITIES TO BE LOCATED BEFORE COMMENCEMENT OF CONSTRUCTION. APPLY NECESSARY PROTECTIVE MEASURES TO REDUCE POSSIBILITY OF DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION.
2. ALL CONTROL WIRE TO BE 14 GAUGE. INSTALL ONE (1) RED WIRE TO EACH CONTROL VALVE, ONE (1) COMMON WHITE TO LOOP CONTINUOUSLY THROUGHOUT THE WIRE PATH, AND ONE (1) EXTRA BLUE WIRE TO RUN PARALLEL WITH COMMON.
3. ALL LATERAL LINES TO MAINTAIN A 8" MINIMUM DEPTH. ALL MAINLINE TO MAINTAIN A MINIMUM 12" DEPTH.
4. ALL SPRAYS AND ROTORS TO BE MOUNTED FLUSH WITH FINAL GRADE.
5. ALL WATERING ARCS TO BE ADJUSTED TO PREVENT OVERSPRAY ONTO ADJACENT BUILDINGS OR HARDSCAPE.

SYSTEM DESIGN NOTES:

WATER SOURCE: CONNECT TO EXISTING MAIN LINE  
LOCATE AS SHOWN ON DRAWING  
DESIGN VOLUME: 120 GPM  
DESIGN PRESSURE: 65 PSI

PIPING LEGEND

- 3" - CLASS 200 MAINLINE
- CLASS 200 LATERAL (SIZE AS NOTED)
- SGH. 40 SLEEVE (SIZE AS NOTED)
- CONTROL VALVE IDENTIFICATION TAG



FLORIDA  
ARCHITECTS  
LICENSE #AA0002730  
648 Florida Avenue  
Panama City, FL 32401  
P 850/257-5400

Principal in Charge  
Sean P. Daly  
Project Number:

Date Issued:  
5/11/17  
Drawn By:  
D.C.  
Checked By:  
D.B.  
Revisions:



GULF COAST STATE COLLEGE  
PHASE 3  
CAMPUS IMPROVEMENTS

Irrigation  
Plan



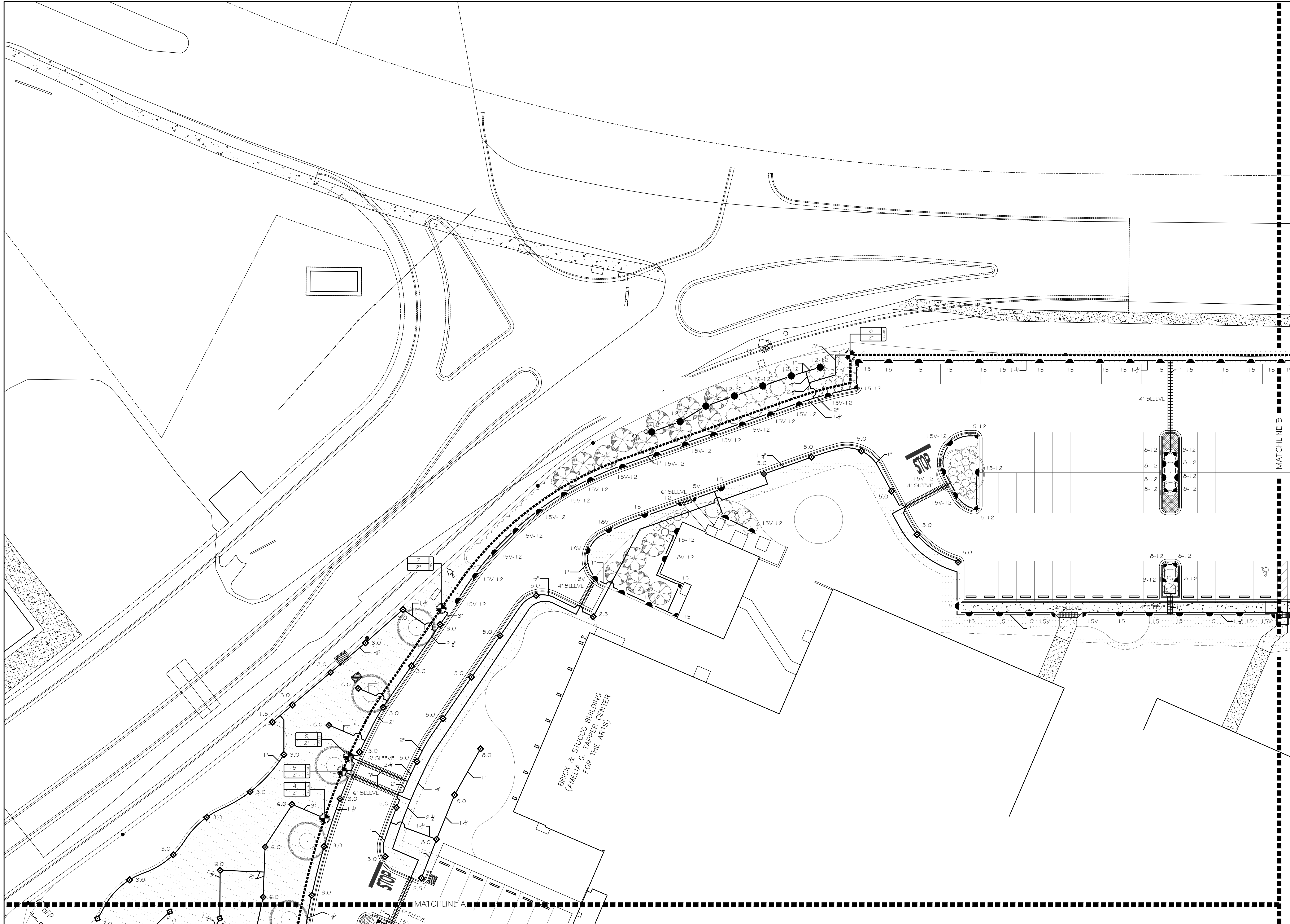
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Principal in Charge  
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Checked By:  
D.B.  
Revisions:

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LANDSCAPE ARCHITECTS  
P.O. BOX 10000  
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www.lawnscapesinc.com

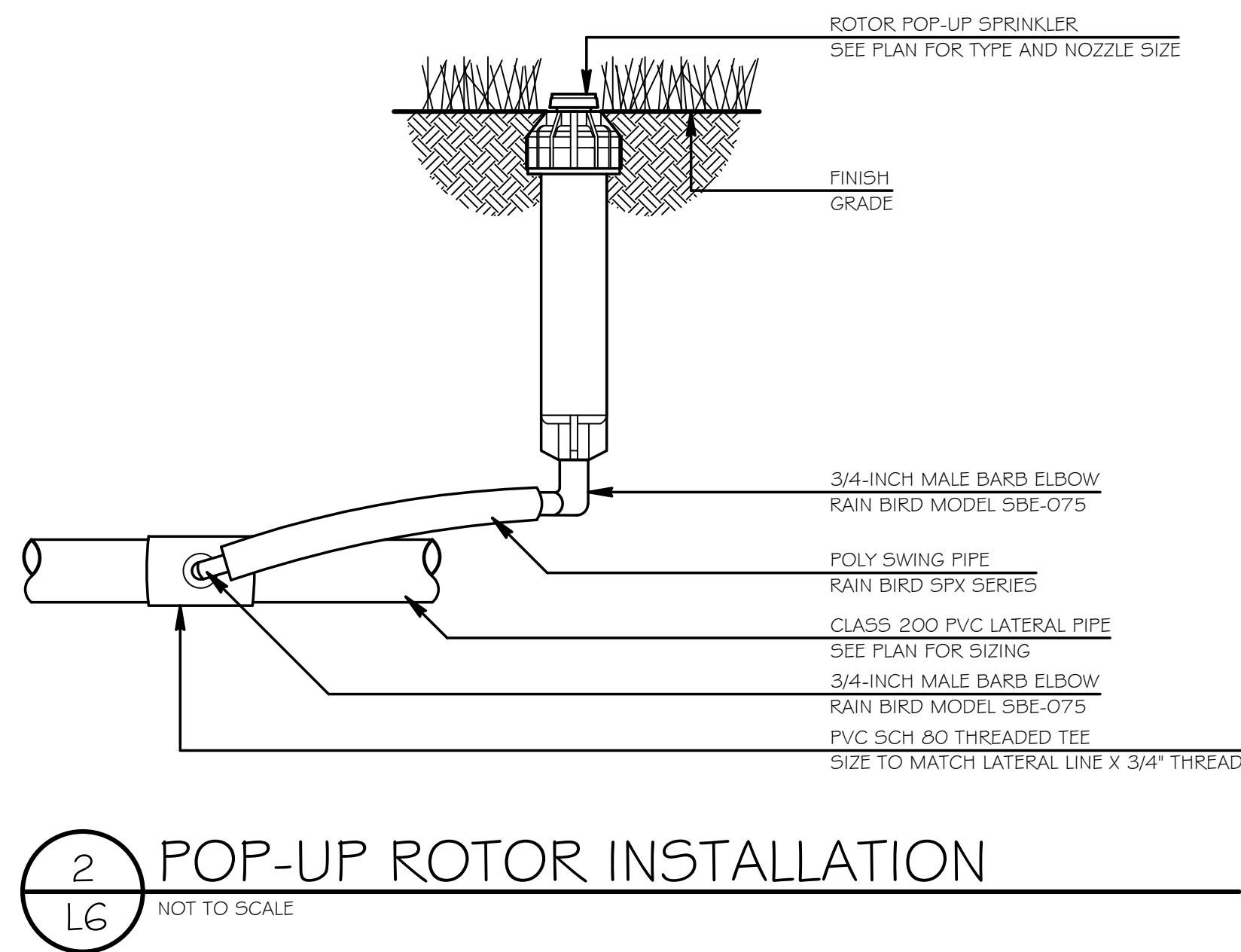
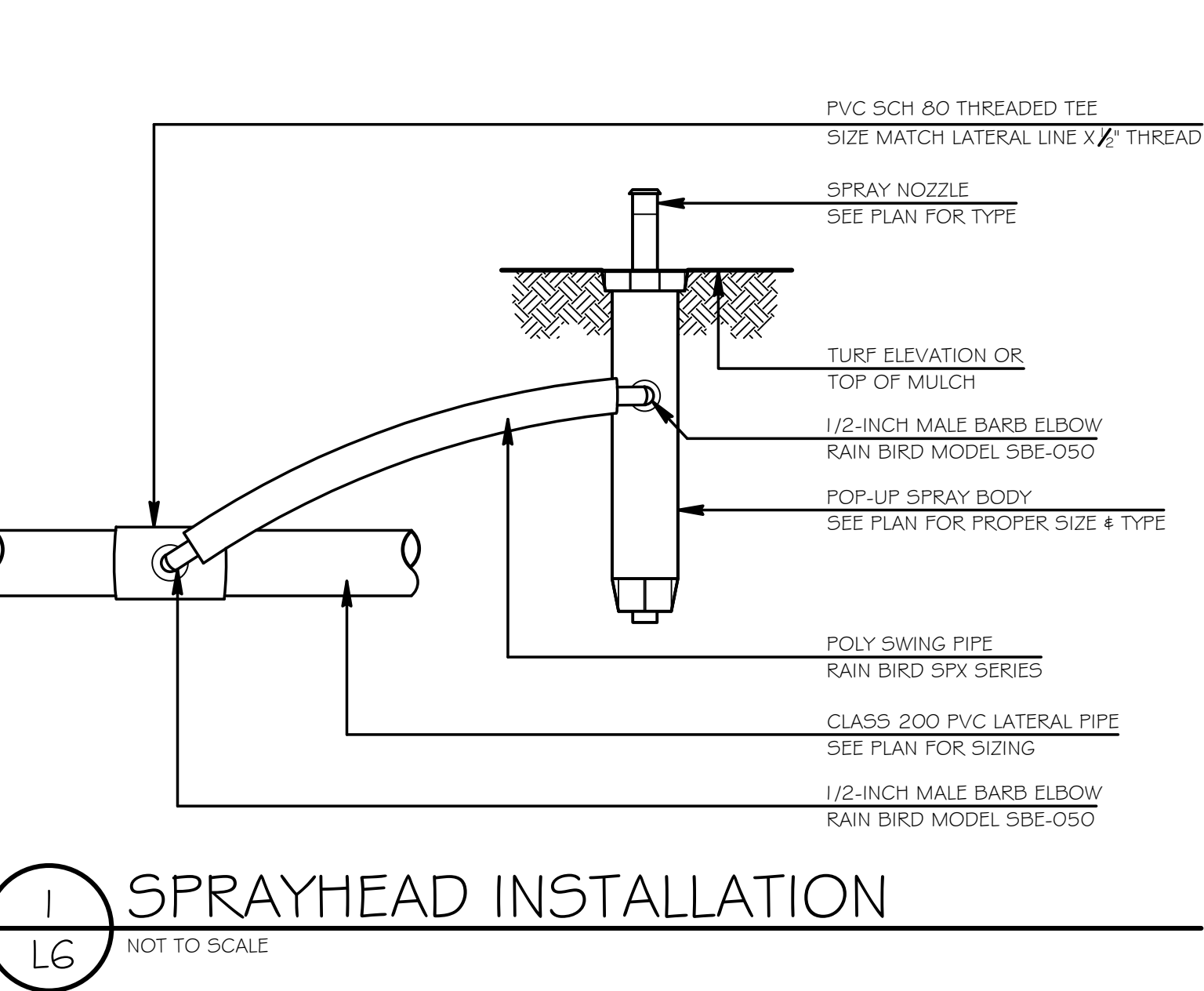
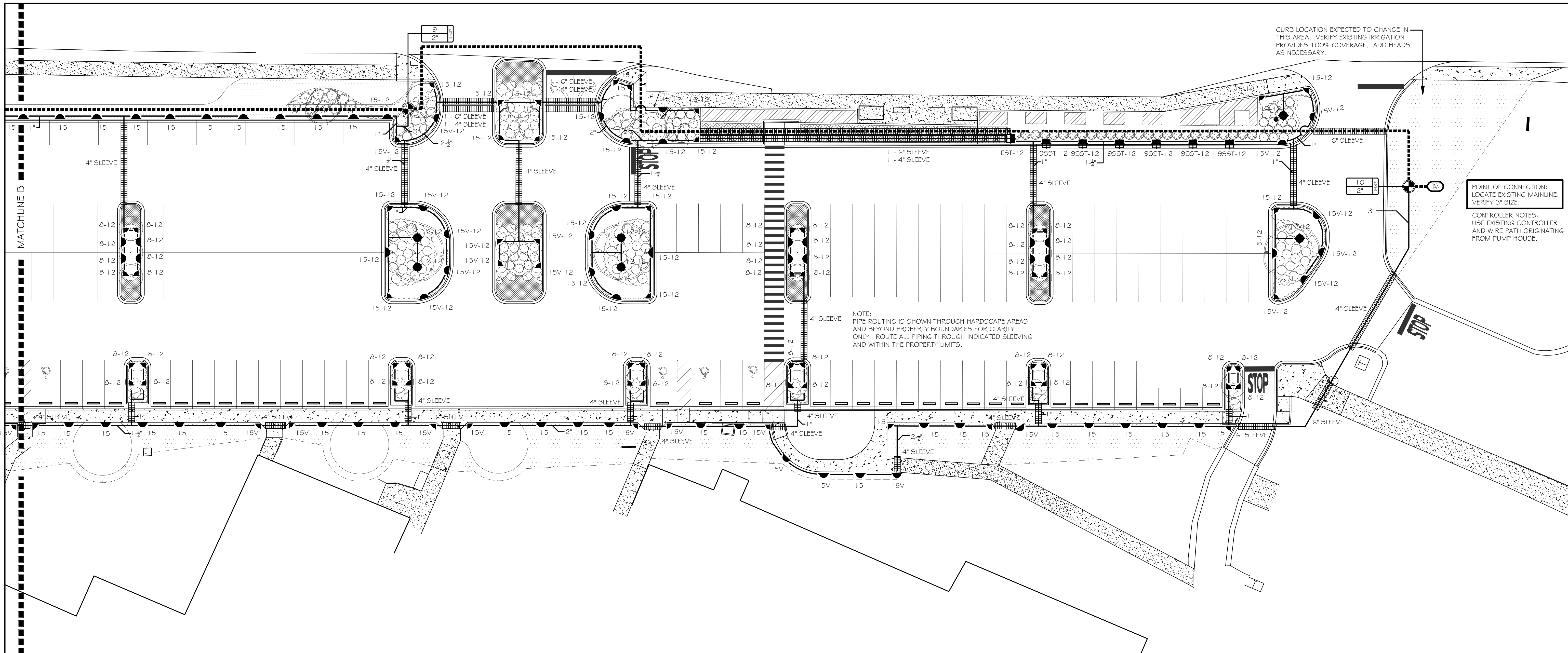
GULF COAST STATE COLLEGE  
PHASE 3  
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Irrigation Plan



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**Sean P. Daly**  
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 Checked By:  
 D.B.  
 Revisions:

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**GULF COAST STATE COLLEGE**  
 PHASE 3  
 CAMPUS IMPROVEMENTS

Irrigation Plan

CONSTRUCTION DOCUMENTS

Sheet Number  
**L6 of 6**

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ELECTRICAL LEGEND

LIGHTING

[Symbol] NEW SINGLE LED FIXTURE (1 LED FIXTURE) WITH 30’ POLE AND ROUND BASE; INSTALL A TWIST LOCK LIGHTING CONTROLLER IN A PHOTOCELL RECEPTACLE AT THE TOP OF THE FIXTURE. REFER TO REQUIREMENTS IN THE LIGHTING FIXTURE SCHEDULE. INSTALL CONTROLLER PER THE MANUFACTURERS RECOMMENDATIONS.

[Symbol] NEW DOUBLE LED FIXTURE (TWO LED FIXTURES) WITH 30’ POLE AND ROUND BASE; INSTALL A TWIST LOCK LIGHTING CONTROLLER IN A PHOTOCELL RECEPTACLE AT THE TOP OF EACH FIXTURE. REFER TO REQUIREMENTS IN THE LIGHTING FIXTURE SCHEDULE. INSTALL CONTROLLER PER THE MANUFACTURERS RECOMMENDATIONS.

BRANCH CIRCUITING

[Symbol] RUN CONCEALED UNDER FLOOR OR IN GRADE

[Symbol] RUN CONCEALED ABOVE CEILING

[Symbol] HOMERUN TO PANEL. LETTERS AND NUMERALS INDICATED PANEL AND CIRCUIT NUMBER.

PANELS AND POWER

[Symbol] ELECTRICAL PANELBOARD

[Symbol] NON-FUSIBLE DISCONNECT SWITCH; XX/YY/ZZ WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES, AND Z INDICATES NEMA RATING

MISCELLANEOUS

A.F.F.	ABOVE FINISHED FLOOR	C/L	CENTERLINE
ATS	AUTOMATIC TRANSFER SWITCH	C	CONDUIT
WP	WEATHERPROOF	GND	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	MT	MOUNT
GCSC	GULF COAST STATE COLLEGE		

ELECTRICAL GENERAL NOTES

- ENTIRE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST ACCEPTED EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL LOCAL CODES.
- ALL ELECTRICAL WORK AND MATERIALS USED IN THIS PROJECT SHALL BE NEW, UNDERWRITERS’ LABORATORIES (UL) LISTED AND LABELED, AND SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
- WHERE CONFLICTS OCCUR ON ELECTRICAL DRAWINGS BETWEEN DRAWINGS, SPECIFICATIONS AND CODES, THE MOST STRINGENT REQUIREMENT THAT APPLIES SHALL BE ADHERED TO.
- NEW POLE SHALL BE FURNISHED WITH A SURGE PROTECTION DEVICE INSTALLED IN THE HANDHOLE NEAR THE BASE OF THE POLE.
- ALL WIRING SHALL BE COPPER AND INSTALLED IN CONDUIT.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL WORK WITH THE CIVIL AND LANDSCAPE DRAWINGS. UTILIZE COMMON TRENCHES FOR INSTALLATION OF CONDUITS WHERE POSSIBLE. PRIOR TO INSTALLATION OF CONDUIT, THE ELECTRICAL CONTRACTOR WILL BE REQUIRED TO PLAN ALL CONDUIT ROUTING WITH THE OTHER CONTRACTORS PERFORMING SITE WORK. SUBMIT A RECORD OF THIS COORDINATION TO THE ARCHITECT PRIOR TO STARTING SITE WORK. IF ONE CONTRACTOR IS PERFORMING ALL CONDUIT SITE WORK, THEN A QUALIFIED ELECTRICIAN WILL BE REQUIRED TO BE ON SITE APPROVING THE CONDUIT INSTALLATION/ROUTING PRIOR TO COVERING THE CONDUITS.

ALL CONDUIT UNDERGROUND WORK SHALL COMPLY WITH THE GENERAL CONDITIONS BELOW:

COMPOSITION – THE CONDUITS SHALL BE CORROSION RESISTANT AND SHALL BE MADE OF EPC-80-PVC (SCHEDULE 80) IAW NEMA TC-2. THE CONDUITS SHALL BE APPROPRIATELY LABELED INDICATING THE COMPOSITION MATERIAL. CONDUITS SHALL HAVE A SLEEVE OR BELL END TYPE COUPLING AND SHALL BE WATERTIGHT WHEN ASSEMBLED.

INSTALLATION – INSTALLATION OF UNDERGROUND CONDUITS SHALL BE A MINIMUM OF 24" BELOW GRADE. INSTALL IN COMMONS TRENCH WHERE SHOWN ON THE CIVIL PLANS. IN MAINTENANCE HOLES WITH KNOCKOUTS, CONDUITS SHALL START AT THE BOTTOM KNOCKOUT, ALLOWING FOR UPWARD EXPANSION IN THE MAINTENANCE HOLES. THE CONTRACTOR SHALL PROVIDE OTHER PROTECTIVE MEASURES, CONCRETE CAP, ETC., IN THOSE AREAS WHERE THE MINIMUM GROUND COVER CANNOT BE ACHIEVED.

BENDS AND SEALING.

THE SUM OF BENDS IN ALL DIRECTIONS SHALL NOT EXCEED A TOTAL OF 180 DEGREES. CONDUITS SHALL HAVE BELL ENDS AND ENTER A MAINTENANCE HOLES PERPENDICULAR TO THE SURFACE OF THE WALL THROUGH WHICH IT IS ENTERING. ALL CONDUITS ENTERING MAINTENANCE HOLES MUST BE SEALED. UNIVERSAL CONDUIT PLUGS OR REMOVABLE PUTTY SEALANTS MAY BE USED. UPON COMPLETION OF CONDUIT SECTIONS, A TEST MANDREL ¼" (6.4MM) SMALLER THAN THE INSIDE DIAMETER OF THE CONDUIT SHALL BE PULLED THROUGH TWO DIAGONALLY OPPOSITE CONDUITS TO ENSURE PROPER ALIGNMENT. IN ADDITION, ALL CONDUITS SHALL BE CLEARED OF LOOSE MATERIALS SUCH AS CONCRETE, MUD, DIRT, STONES, ETC.

PULL ROPE

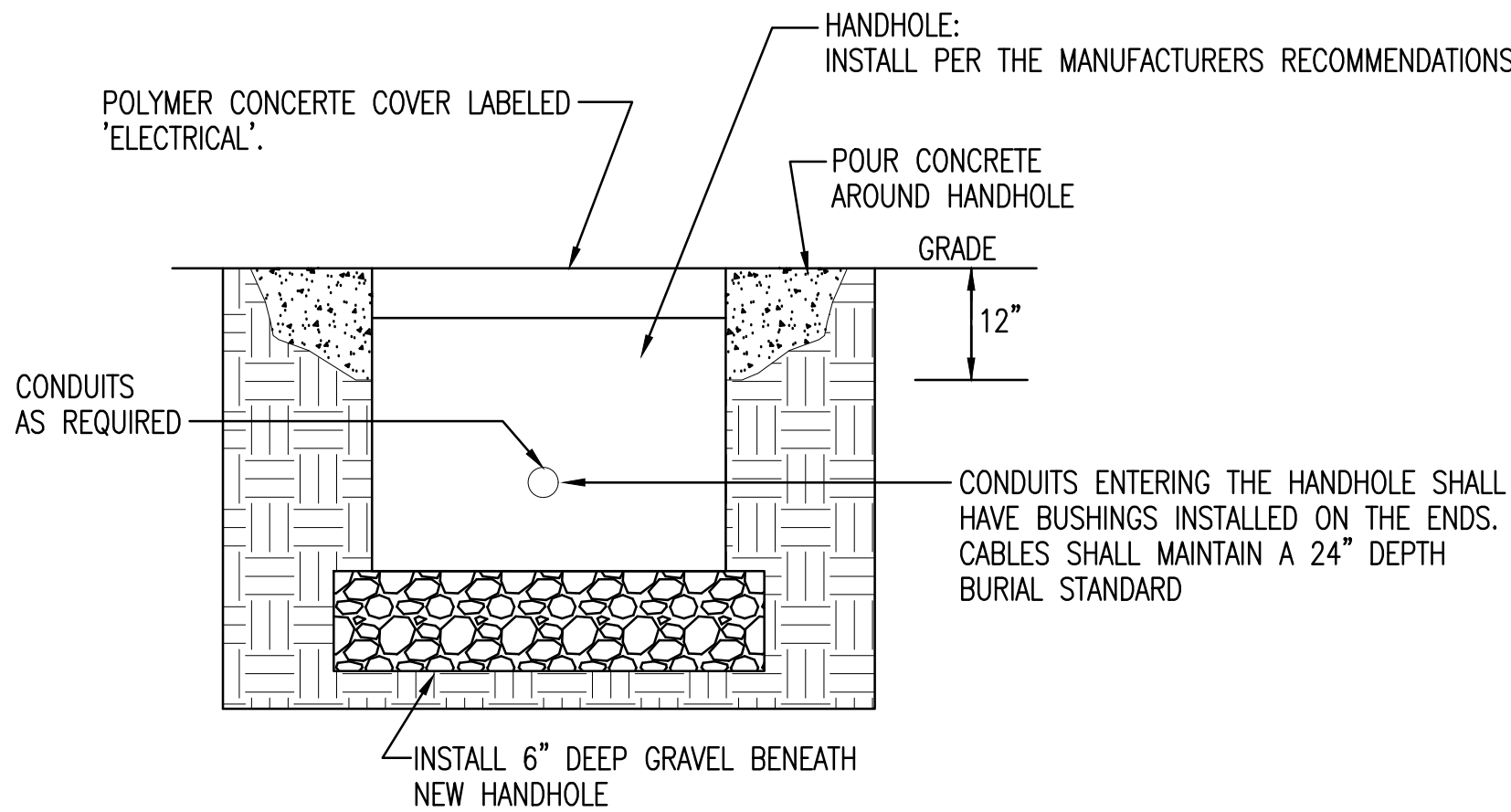
ALL VACANT CONDUITS SHALL BE PROVIDED WITH A WATERPROOF CORROSION RESISTANT MULE TAPE FOR FUTURE CABLE INSTALLATION. THE PULL ROPE /MULE TAPE SHALL EXTEND INTO THE MAINTENANCE HOLE AND BE SECURED TO THE CABLE RACK OR PULLING IRON, ETC.

SPACERS AND TRACER WIRE

ALONG THE LENGTH OF THE CONDUIT RUN, IF THE CONDUITS ARE INSTALLED BY TRENCHING, SPACERS SHALL BE PLACED AT AN INTERVAL OF FOUR (4) SPACERS PER 20 FEET AND CABLE WARNING TAPE SHALL BE BURIED ONE (1) FOOT BELOW THE SURFACE AND SHALL FOLLOW THE DUCT ROUTE. THE TAPE SHALL BE A MINIMUM OF THREE INCHES WIDE AND ORANGE IN COLOR WITH THE APPROPRIATE WARNING MESSAGE. AT LEAST ONE CONDUIT SHALL HAVE TRACER WIRE OR BE OTHERWISE LOCATABLE FROM THE SURFACE.

UTILITY SEPARATION

COMMUNICATIONS CONDUITS AND CABLE SHALL MAINTAIN A MINIMUM SEPARATION OF 12 INCHES FROM ALL TRADES.



ELECTRICAL MAINTENANCE/HANDHOLE DETAIL

NOT TO SCALE

LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER AND CATALOG No.	LAMPS		MOUNTING	REMARKS
		No.	TYPE		
PL2	GARDCO #ECF-1-2-215LA-641A-NW-UNV (FINISH) POLE: VALMONT #R290860106-D1	LED		POLE ARM MOUNT 33' ABOVE GRADE	SINGLE-PIECE DIE-CAST ALUMINUM HOUSING, POWDER COAT FINISH, 4000K, UNIVERSAL VOLTAGE, PROVIDE WITH WATTSTOPPER NWTL-111, ROUND TAPERED ALUMINUM POLE
PL4	GARDCO #ECF-1-4-215LA-641A-NW-UNV (FINISH) POLE: VALMONT #R290860106-D1	LED		POLE ARM MOUNT 33' ABOVE GRADE	SINGLE-PIECE DIE-CAST ALUMINUM HOUSING, POWDER COAT FINISH, 4000K, UNIVERSAL VOLTAGE, PROVIDE WITH WATTSTOPPER NWTL-111, ROUND TAPERED ALUMINUM POLE
2PL4	GARDCO #ECF-2-4-215LA-641A-NW-UNV (FINISH) POLE: VALMONT #R290860106-D2	LED		POLE ARM MOUNT 33' ABOVE GRADE	SINGLE-PIECE DIE-CAST ALUMINUM HOUSING, POWDER COAT FINISH, 4000K, UNIVERSAL VOLTAGE, PROVIDE TWO FIXTURES MOUNTED AT 180°, PROVIDE WITH WATTSTOPPER NWTL-111, ROUND TAPERED ALUMINUM POLE.

\* ALL FINISHES AND FIXTURE COLOR TEMPERATURE SHALL BE DIRECTED BY ARCHITECT/OWNER PRIOR TO ORDERING FIXTURES

FLA

FLORIDA ARCHITECTS

LICENSE #AA0002730

648 Florida Avenue  
Panama City, FL 32401  
P 850/257-5400

DAVID M. BAGWELL

LICENSE

No. 59251

STATUS OF

FLORIDA

PROFESSIONAL ENGINEER

Principal in Charge

David M. Bagwell

Project Number:

4166-2

Date Issued:

5-18-2017

Drawn By:

D.C.

Checked By:

D.B.

Revisions:

B

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Phone: (850) 462-8040  
FL PE No. 59251  
Job Number: 15-019

GULF COAST STATE COLLEGE

PHASE 3

CAMPUS IMPROVEMENTS

ELECTRICAL ELGEND,  
FIXTURE SCHEDULE  
AND GENERAL NOTES

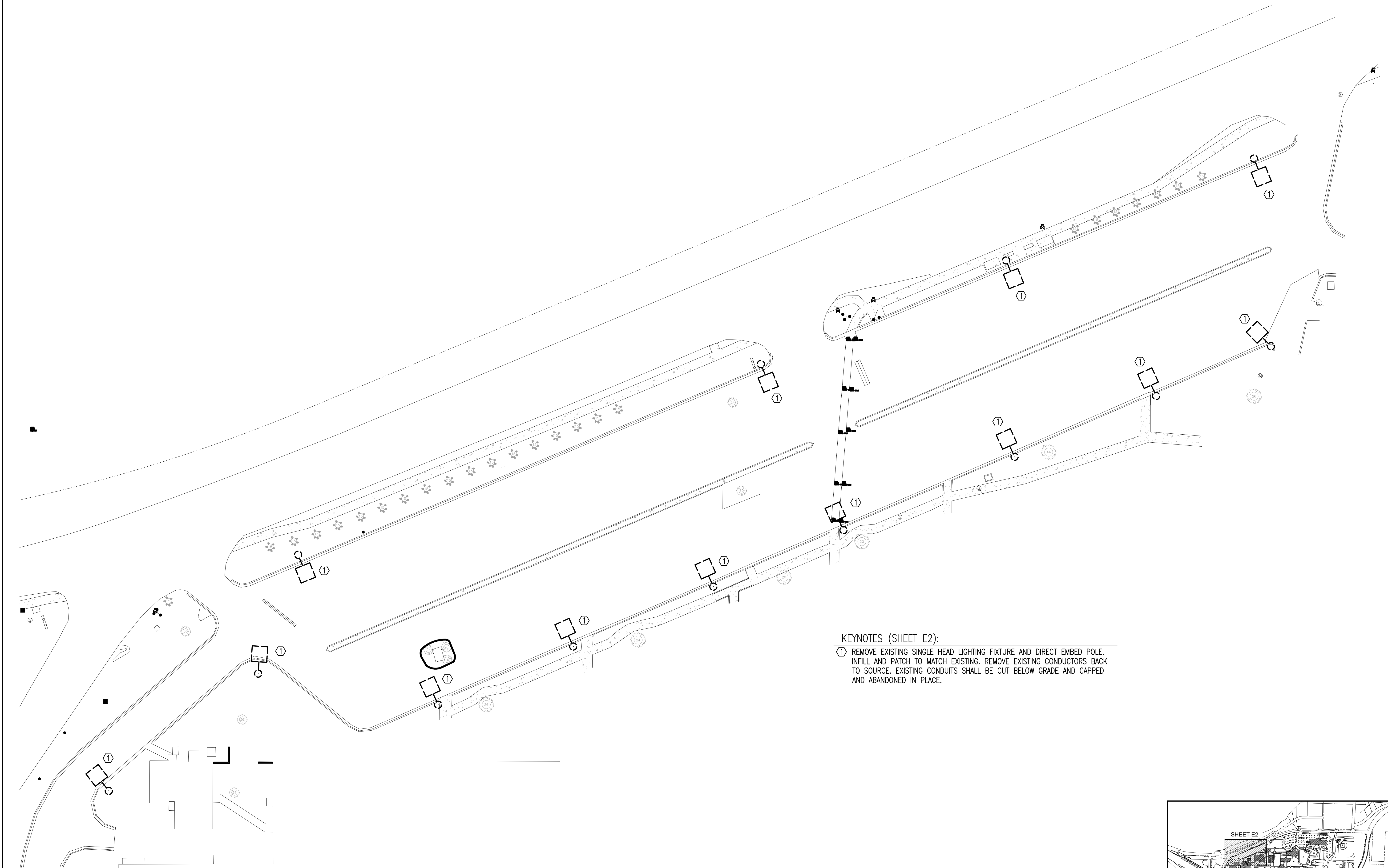
CONSTRUCTION  
DOCUMENTS

Sheet Number

E1

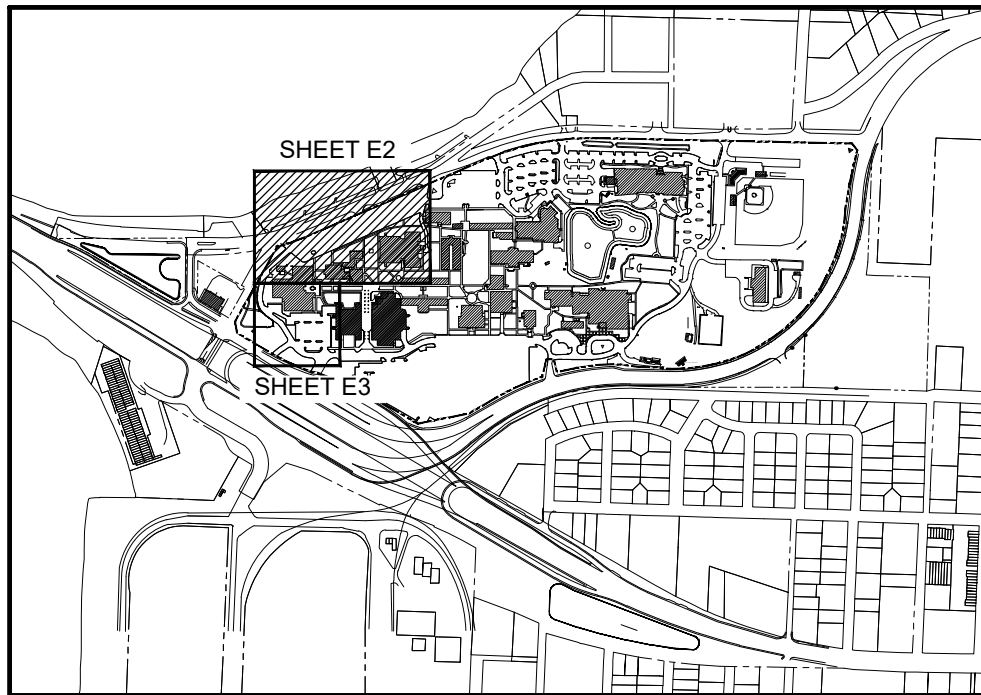
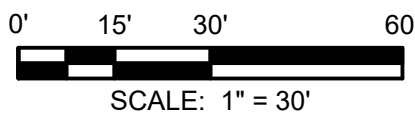
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DEMOLITION PLAN AREA 'A'  
SCALE: 1" = 30'

KEYNOTES (SHEET E2):  
① REMOVE EXISTING SINGLE HEAD LIGHTING FIXTURE AND DIRECT EMBED POLE. INFILL AND PATCH TO MATCH EXISTING. REMOVE EXISTING CONDUCTORS BACK TO SOURCE. EXISTING CONDUITS SHALL BE CUT BELOW GRADE AND CAPPED AND ABANDONED IN PLACE.



FLA

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FL PE No. 59251

Job Number: 15-019

GULF COAST STATE COLLEGE

PHASE 3

CAMPUS IMPROVEMENTS

ELECTRICAL DEMOLITION PLAN

AREA A

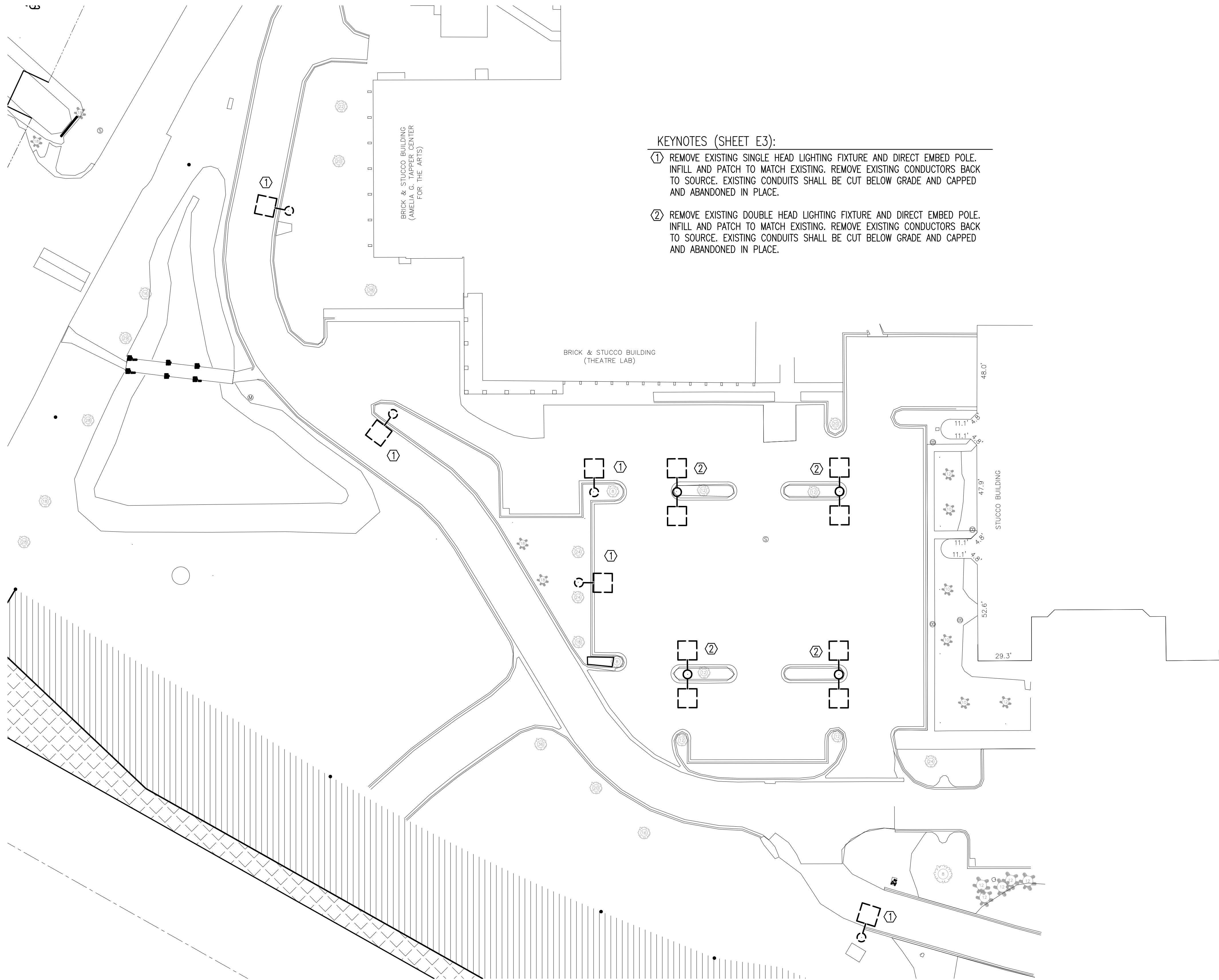
CONSTRUCTION DOCUMENTS

Sheet Number

E2

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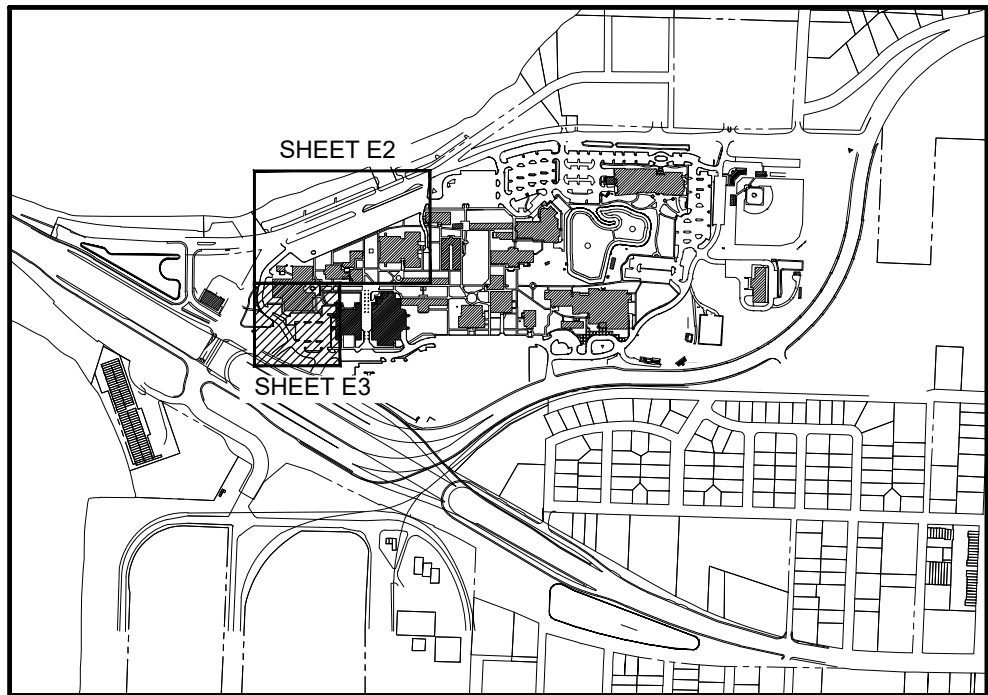
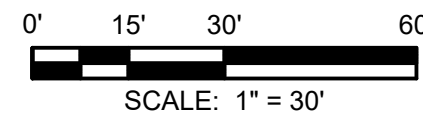




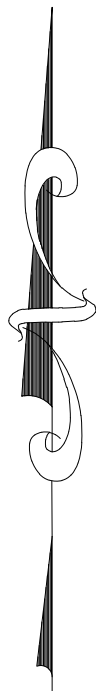
KEYNOTES (SHEET E3):

- ① REMOVE EXISTING SINGLE HEAD LIGHTING FIXTURE AND DIRECT EMBED POLE. INFILL AND PATCH TO MATCH EXISTING. REMOVE EXISTING CONDUCTORS BACK TO SOURCE. EXISTING CONDUITS SHALL BE CUT BELOW GRADE AND CAPPED AND ABANDONED IN PLACE.
- ② REMOVE EXISTING DOUBLE HEAD LIGHTING FIXTURE AND DIRECT EMBED POLE. INFILL AND PATCH TO MATCH EXISTING. REMOVE EXISTING CONDUCTORS BACK TO SOURCE. EXISTING CONDUITS SHALL BE CUT BELOW GRADE AND CAPPED AND ABANDONED IN PLACE.

DEMOLITION PLAN AREA 'B'  
SCALE: 1" = 30'

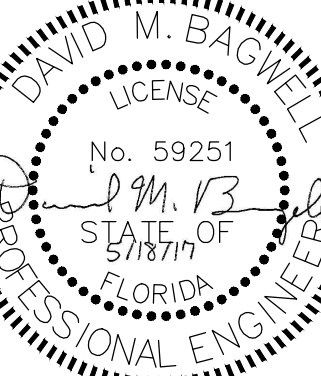


KEY MAP  
N.T.S.



FLORIDA  
ARCHITECTS  
LICENSE #AA0002730

648 Florida Avenue  
Panama City, FL 32401  
P 850/257-5400



Principal in Charge  
David M. Bagwell  
Project Number:  
4166-2  
Date Issued:  
5-18-2017  
Drawn By:  
D.C.  
Checked By:  
D.B.  
Revisions:



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Phone: (850) 462-8040  
FL Authorization No. 30167  
FL PE No. 59251  
Job Number: 15-019

GULF COAST STATE COLLEGE  
PHASE 3  
CAMPUS IMPROVEMENTS

ELECTRICAL  
DEMOLITION PLAN  
AREA B

CONSTRUCTION  
DOCUMENTS  
Sheet Number

E3

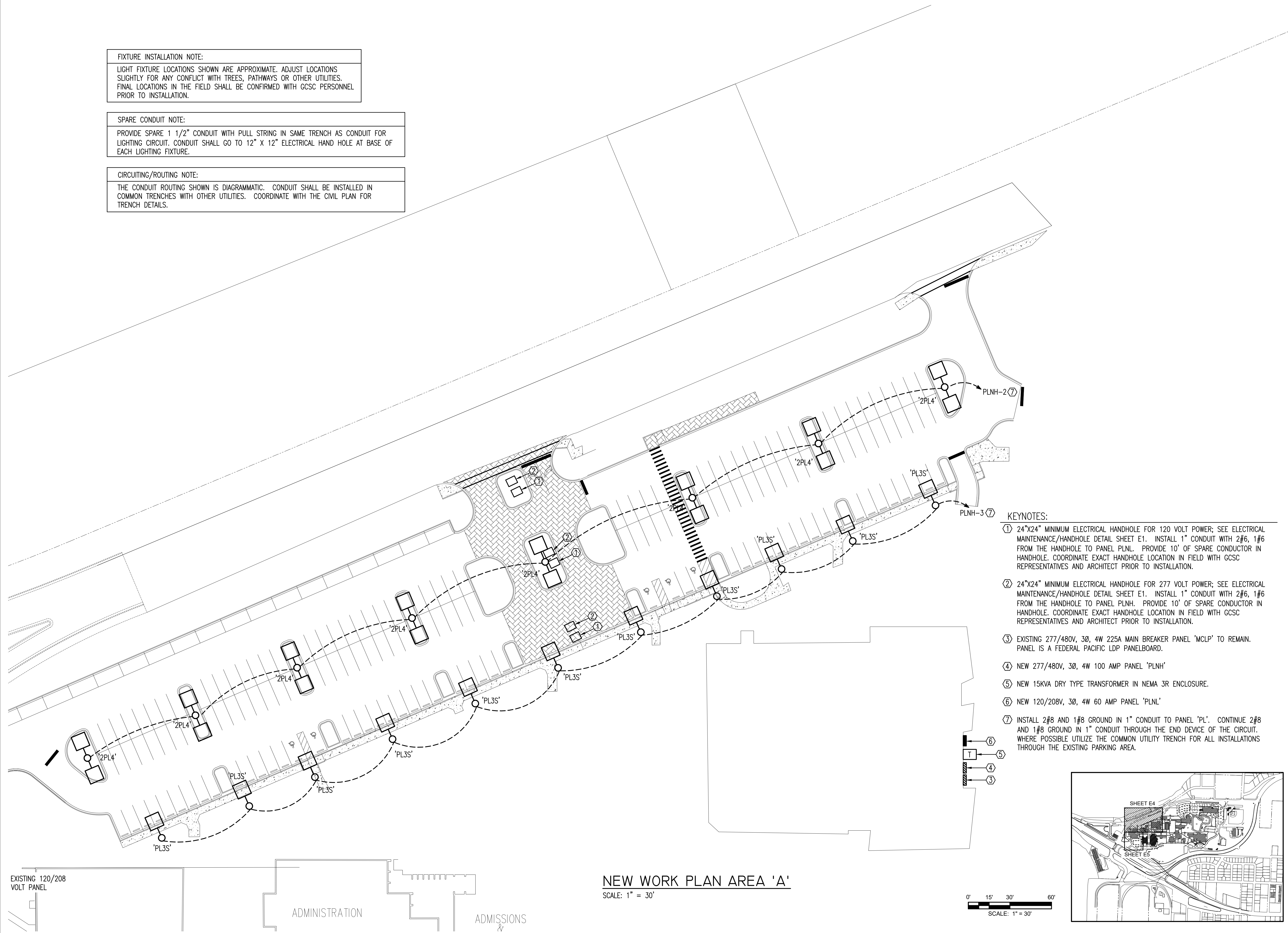
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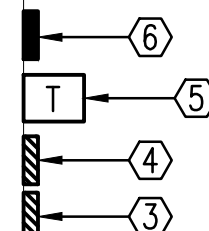
FIXTURE INSTALLATION NOTE:  
 LIGHT FIXTURE LOCATIONS SHOWN ARE APPROXIMATE. ADJUST LOCATIONS SLIGHTLY FOR ANY CONFLICT WITH TREES, PATHWAYS OR OTHER UTILITIES. FINAL LOCATIONS IN THE FIELD SHALL BE CONFIRMED WITH GCSC PERSONNEL PRIOR TO INSTALLATION.

SPARE CONDUIT NOTE:  
 PROVIDE SPARE 1 1/2" CONDUIT WITH PULL STRING IN SAME TRENCH AS CONDUIT FOR LIGHTING CIRCUIT. CONDUIT SHALL GO TO 12" X 12" ELECTRICAL HAND HOLE AT BASE OF EACH LIGHTING FIXTURE.

CIRCUITING/ROUTING NOTE:  
 THE CONDUIT ROUTING SHOWN IS DIAGRAMMATIC. CONDUIT SHALL BE INSTALLED IN COMMON TRENCHES WITH OTHER UTILITIES. COORDINATE WITH THE CIVIL PLAN FOR TRENCH DETAILS.

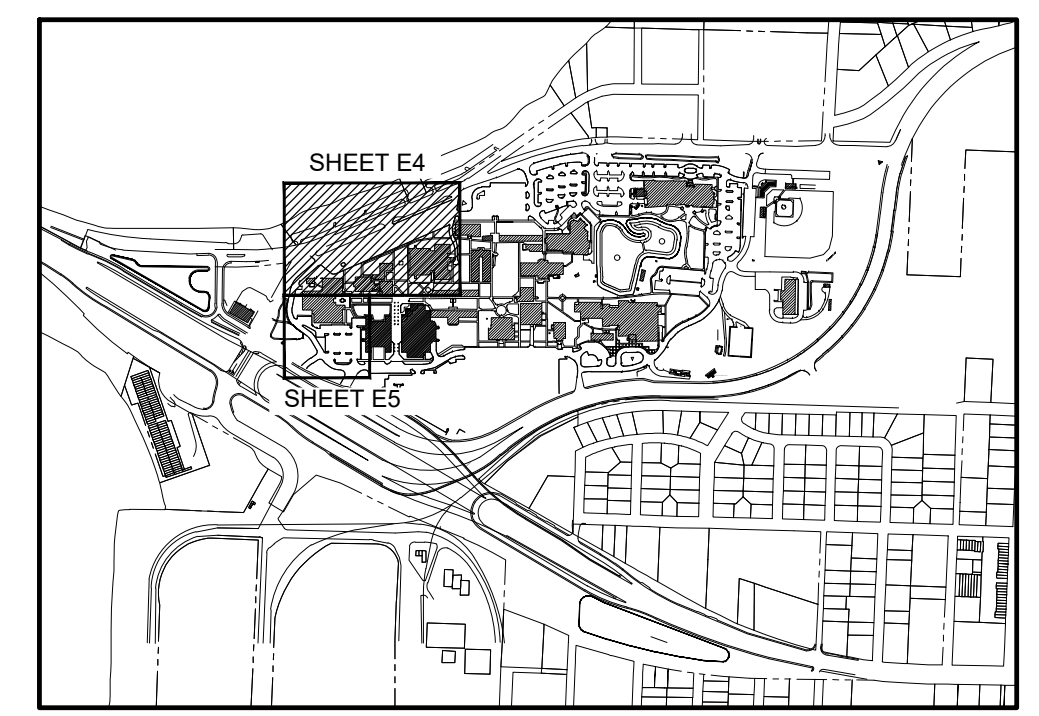
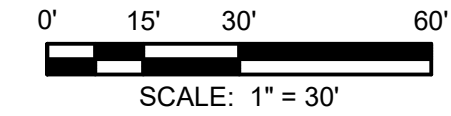


- KEYNOTES:
- 24"x24" MINIMUM ELECTRICAL HANDHOLE FOR 120 VOLT POWER; SEE ELECTRICAL MAINTENANCE/HANDHOLE DETAIL SHEET E1. INSTALL 1" CONDUIT WITH 2#6, 1#6 FROM THE HANDHOLE TO PANEL PLNL. PROVIDE 10' OF SPARE CONDUCTOR IN HANDHOLE. COORDINATE EXACT HANDHOLE LOCATION IN FIELD WITH GCSC REPRESENTATIVES AND ARCHITECT PRIOR TO INSTALLATION.
  - 24"x24" MINIMUM ELECTRICAL HANDHOLE FOR 277 VOLT POWER; SEE ELECTRICAL MAINTENANCE/HANDHOLE DETAIL SHEET E1. INSTALL 1" CONDUIT WITH 2#6, 1#6 FROM THE HANDHOLE TO PANEL PLNH. PROVIDE 10' OF SPARE CONDUCTOR IN HANDHOLE. COORDINATE EXACT HANDHOLE LOCATION IN FIELD WITH GCSC REPRESENTATIVES AND ARCHITECT PRIOR TO INSTALLATION.
  - EXISTING 277/480V, 3Ø, 4W 225A MAIN BREAKER PANEL 'MCLP' TO REMAIN. PANEL IS A FEDERAL PACIFIC LDP PANELBOARD.
  - NEW 277/480V, 3Ø, 4W 100 AMP PANEL 'PLNH'
  - NEW 15KVA DRY TYPE TRANSFORMER IN NEMA 3R ENCLOSURE.
  - NEW 120/208V, 3Ø, 4W 60 AMP PANEL 'PLNL'
  - INSTALL 2#8 AND 1#8 GROUND IN 1" CONDUIT TO PANEL 'PL'. CONTINUE 2#8 AND 1#8 GROUND IN 1" CONDUIT THROUGH THE END DEVICE OF THE CIRCUIT. WHERE POSSIBLE UTILIZE THE COMMON UTILITY TRENCH FOR ALL INSTALLATIONS THROUGH THE EXISTING PARKING AREA.



EXISTING 120/208 VOLT PANEL  
 ADMINISTRATION  
 ADMISSIONS

NEW WORK PLAN AREA 'A'  
 SCALE: 1" = 30'



FLA

FLORIDA ARCHITECTS

LICENSE #AA0002730

648 Florida Avenue  
Panama City, FL 32401  
P 850/257,5400

DAVID M. BAGWELL

LICENSE

No. 59251

DAVID M. BAGWELL

PROFESSIONAL ENGINEER

Principal in Charge

David M. Bagwell

Project Number:

4166-2

Date Issued:

5-18-2017

Drawn By:

D.C.

Checked By:

D.B.

Revisions:

B

BAGWELL ENGINEERING

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Phone: (850) 462-8040  
FL PE No. 59251  
Job Number: 15-019

GULF COAST STATE COLLEGE

PHASE 3

CAMPUS IMPROVEMENTS

NEW WORK PLAN

AREA 'A'

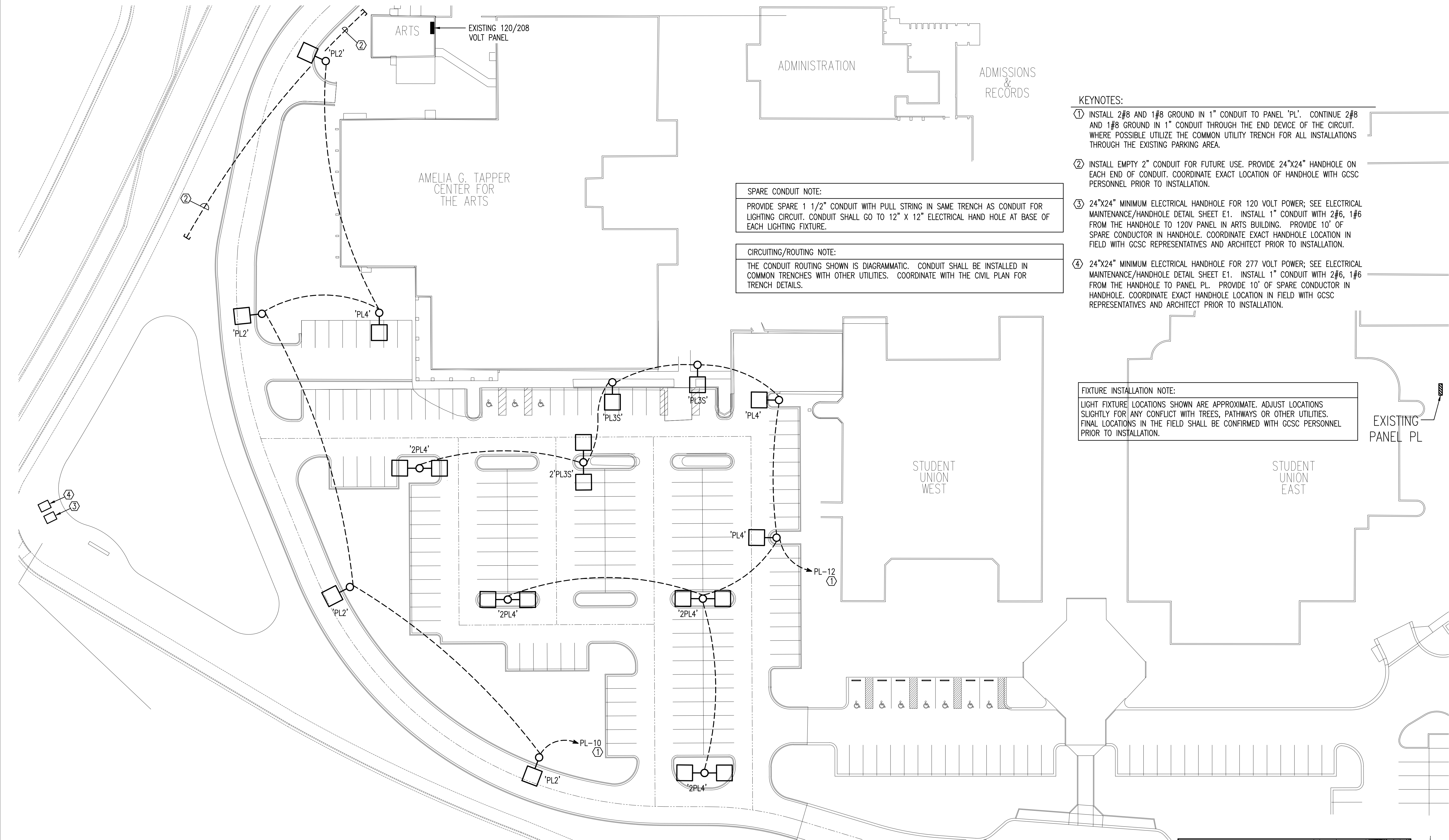
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Sheet Number

E4

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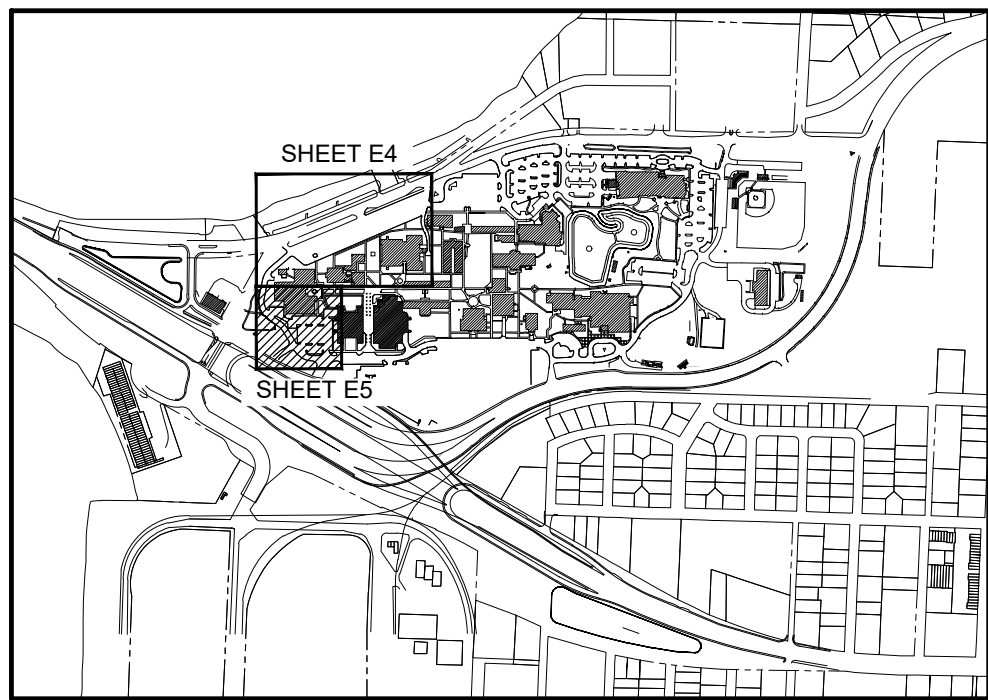
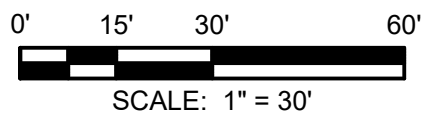
SPARE CONDUIT NOTE:  
PROVIDE SPARE 1 1/2" CONDUIT WITH PULL STRING IN SAME TRENCH AS CONDUIT FOR LIGHTING CIRCUIT. CONDUIT SHALL GO TO 12" X 12" ELECTRICAL HAND HOLE AT BASE OF EACH LIGHTING FIXTURE.

CIRCUITING/ROUTING NOTE:  
THE CONDUIT ROUTING SHOWN IS DIAGRAMMATIC. CONDUIT SHALL BE INSTALLED IN COMMON TRENCHES WITH OTHER UTILITIES. COORDINATE WITH THE CIVIL PLAN FOR TRENCH DETAILS.

- KEYNOTES:
- ① INSTALL 2#8 AND 1#8 GROUND IN 1" CONDUIT TO PANEL 'PL'. CONTINUE 2#8 AND 1#8 GROUND IN 1" CONDUIT THROUGH THE END DEVICE OF THE CIRCUIT. WHERE POSSIBLE UTILIZE THE COMMON UTILITY TRENCH FOR ALL INSTALLATIONS THROUGH THE EXISTING PARKING AREA.
  - ② INSTALL EMPTY 2" CONDUIT FOR FUTURE USE. PROVIDE 24"x24" HANDHOLE ON EACH END OF CONDUIT. COORDINATE EXACT LOCATION OF HANDHOLE WITH GCSC PERSONNEL PRIOR TO INSTALLATION.
  - ③ 24"x24" MINIMUM ELECTRICAL HANDHOLE FOR 120 VOLT POWER; SEE ELECTRICAL MAINTENANCE/HANDHOLE DETAIL SHEET E1. INSTALL 1" CONDUIT WITH 2#6, 1#6 FROM THE HANDHOLE TO 120V PANEL IN ARTS BUILDING. PROVIDE 10' OF SPARE CONDUCTOR IN HANDHOLE. COORDINATE EXACT HANDHOLE LOCATION IN FIELD WITH GCSC REPRESENTATIVES AND ARCHITECT PRIOR TO INSTALLATION.
  - ④ 24"x24" MINIMUM ELECTRICAL HANDHOLE FOR 277 VOLT POWER; SEE ELECTRICAL MAINTENANCE/HANDHOLE DETAIL SHEET E1. INSTALL 1" CONDUIT WITH 2#6, 1#6 FROM THE HANDHOLE TO PANEL PL. PROVIDE 10' OF SPARE CONDUCTOR IN HANDHOLE. COORDINATE EXACT HANDHOLE LOCATION IN FIELD WITH GCSC REPRESENTATIVES AND ARCHITECT PRIOR TO INSTALLATION.

FIXTURE INSTALLATION NOTE:  
LIGHT FIXTURE LOCATIONS SHOWN ARE APPROXIMATE. ADJUST LOCATIONS SLIGHTLY FOR ANY CONFLICT WITH TREES, PATHWAYS OR OTHER UTILITIES. FINAL LOCATIONS IN THE FIELD SHALL BE CONFIRMED WITH GCSC PERSONNEL PRIOR TO INSTALLATION.

NEW WORK PLAN AREA 'B'  
SCALE: 1" = 30'



FLA

FLORIDA ARCHITECTS

LICENSE #AA0002730

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Panama City, FL 32401

P 850/257-5400

DAVID M. BAGWELL

LICENSE

No. 59251

STATE OF FLORIDA

PROFESSIONAL ENGINEER

Principal in Charge

David M. Bagwell

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D.B.

Revisions:

B

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FL Authorization No. 30167

FL PE No. 59251

Job Number: 15-019

NEW WORK PLAN

AREA 'B'

CONSTRUCTION DOCUMENTS

Sheet Number

E5

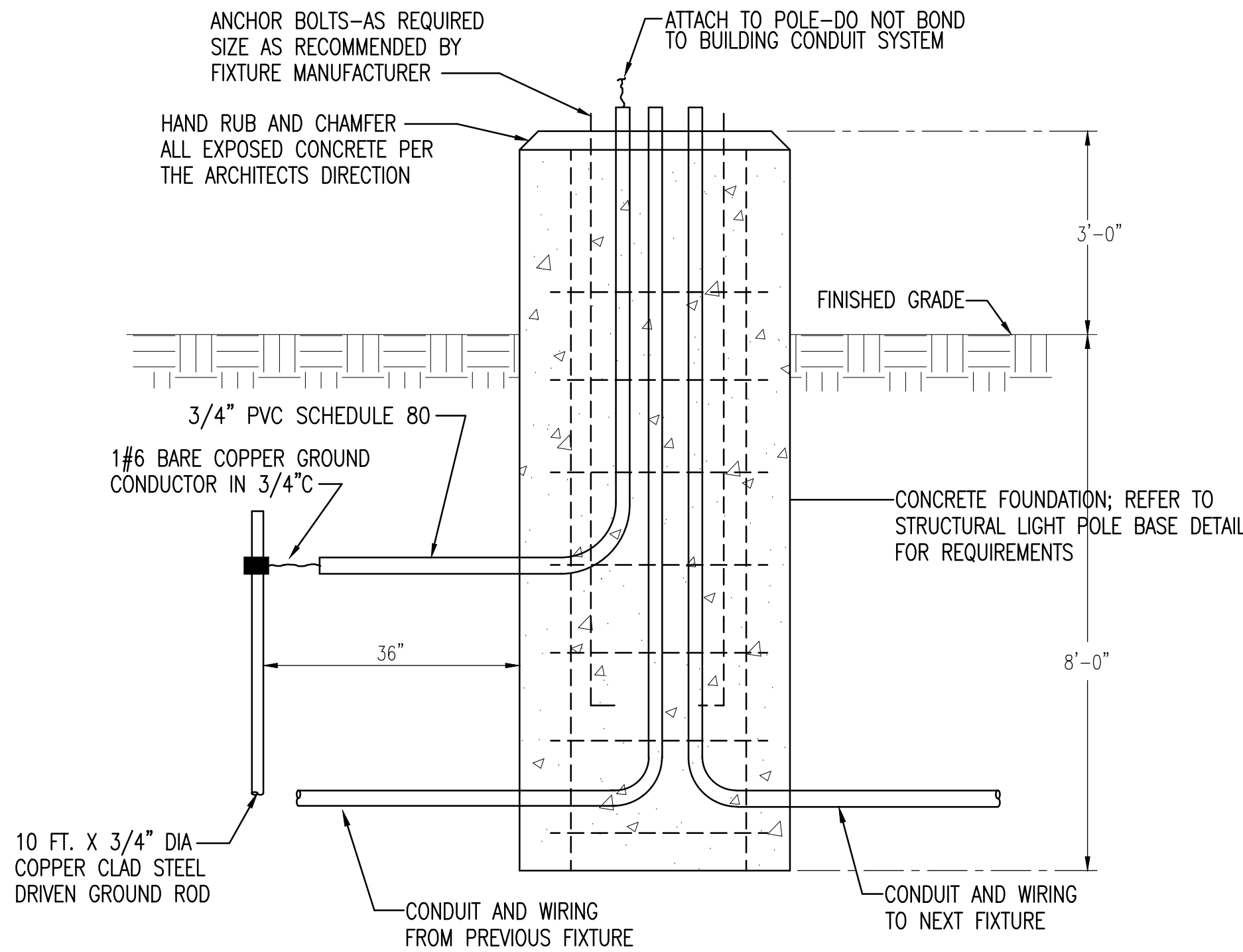
GULF COAST STATE COLLEGE

PHASE 3

CAMPUS IMPROVEMENTS

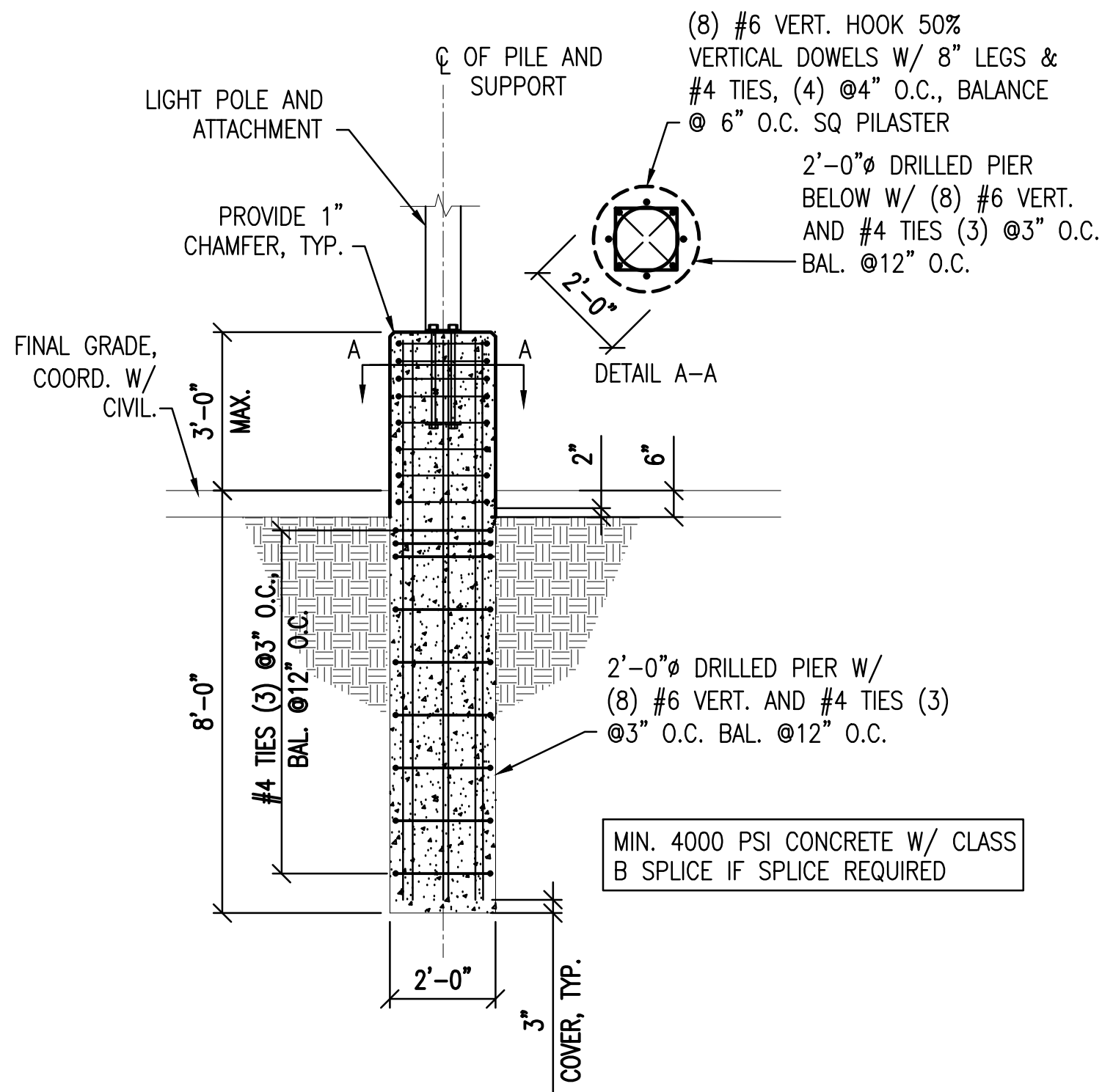
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### ELECTRICAL POLE BASE FOR FIXTURES

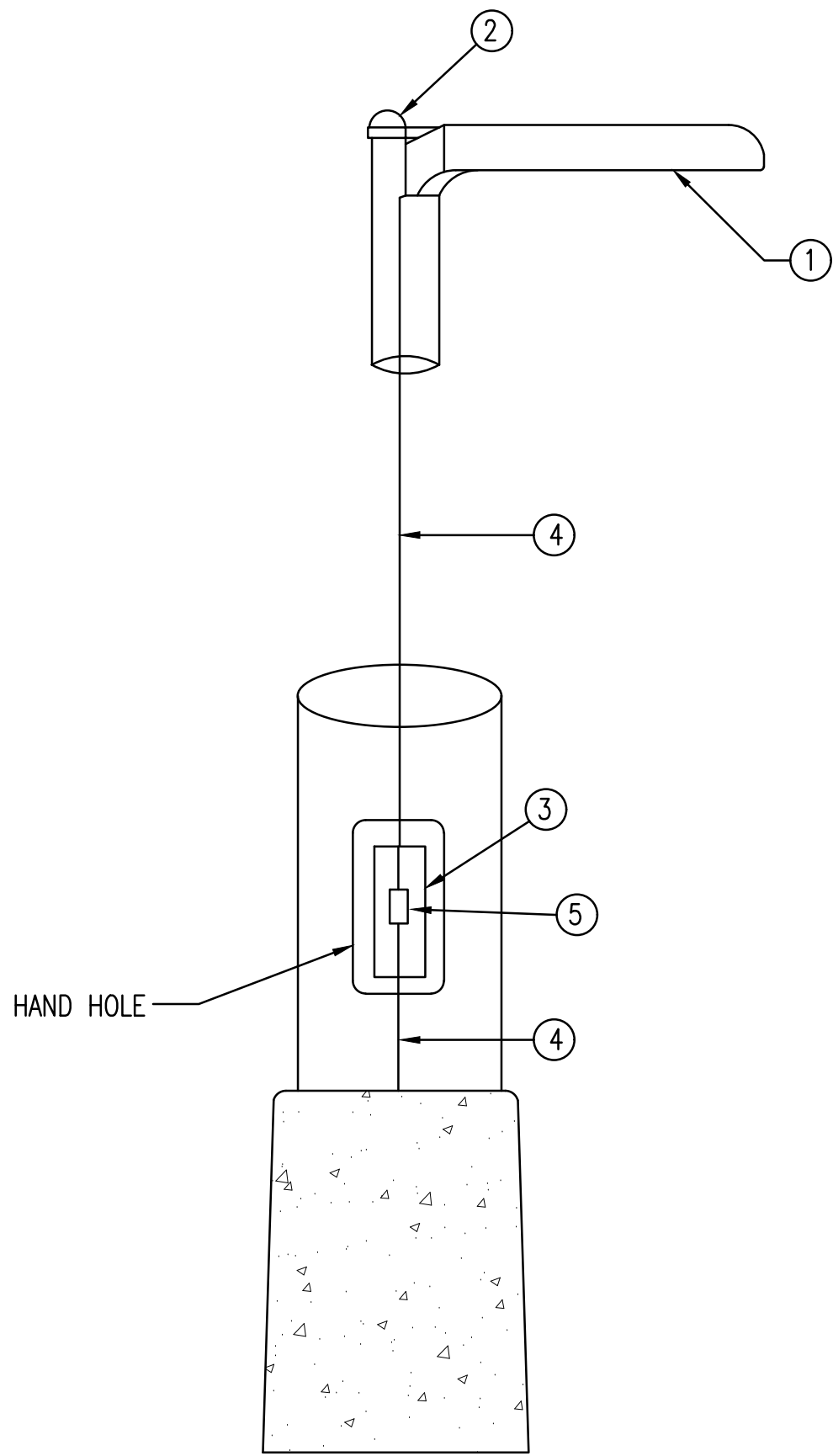
NOT TO SCALE



### STRUCTURAL LIGHT POLE BASE DETAIL

NOT TO SCALE

DETAIL PROVIDED IS FOR A CAST IN PLACE POLE  
BASE. IF THE CONTRACTOR ELECTS TO INSTALL  
A PRECAST POLE BASE, SIGNED AND SEALED  
SHOP DRAWINGS SHALL BE PROVIDED BY A  
SPECIALTY ENGINEER FOR REVIEW.



ITEM #	DESCRIPTION
1	LED FIXTURE; SEE LIGHTING FIXTURE SCHEDULE FOR EXACT FIXTURE
2	NWTL TWIST LOCK LIGHTING CONTROLLER
3	HANDHOLE
4	#8 WIRING TO LIGHT FIXTURE
5	SURGE SUPPRESSOR

### NWTL-III-IP MOUNTING ON TOP OF POLE

NOT TO SCALE



277/480 VOLT 3Ø 4W  
60 AMP MAIN BREAKER

CIRCUIT BREAKER PANEL SCHEDULE  
EXISTING PANEL PL

CKT	LOAD DESCRIPTION	BREAKER		KVA/PHASE			KVA/PHASE			BREAKER		LOAD DESCRIPTION	CKT
		POLE	AMP	A	B	C	A	B	C	AMP	POLE		
1	ILLUMINATED MAP	1	20	.1			1.16			20	1	PARKING LOT LIGHTS	2
3	PARKING LOT LIGHTS	1	20		2.55			1.62		20	1	PARKING LOT LIGHTS	4
5	PARKING LOT LIGHTS	1	20			1.62			1.62	20	1	PARKING LOT LIGHTS	6
7	PARKING LOT LIGHTS	1	20	1.86			1.16			20	1	PARKING LOT LIGHTS	8
9	SPARE	1	20					1.06		20	1	ROADWAY LIGHTS	10
11	SPARE	1	20						2.59	20	1	WEST PARKING LOT LIGHTS	12
13	SPARE	1	20							20	1	SPARE	14
15	SPARE	1	20							20	1	SPARE	16
17	SPACE ONLY	1	---							---	1	SPACE ONLY	18
19	SPACE ONLY	1	---							---	1	SPACE ONLY	20
21	SPACE ONLY	1	---							---	1	SPACE ONLY	22
23	SPACE ONLY	1	---							---	1	SPACE ONLY	24
25	SPACE ONLY	1	---							---	1	SPACE ONLY	26
27	SPACE ONLY	1	---							30	3	SURGE SUPPRESSOR	28
29	SPACE ONLY	1	---							---	---	---	30

TOTAL CONNECTED KVA

4.28	5.23	5.83
A	B	C

① EXISTING CIRCUIT TO REMAIN

② CONNECT TO EXISTING SPARE BREAKER

MINIMUM INTERRUPTING CAPACITY: 22,000 AMPS SYMMETRICAL

277/480 VOLT 3Ø 4W  
100 AMP MAIN LUGS ONLY

CIRCUIT BREAKER PANEL SCHEDULE  
NEW PANEL PLNH

SURFACE MOUNTED  
NEMA 4X ENCLOSURE  
PANEL SHALL BE LOCKABLE

CKT	LOAD DESCRIPTION	BREAKER		KVA/PHASE			KVA/PHASE			BREAKER		LOAD DESCRIPTION	CKT
		POLE	AMP	A	B	C	A	B	C	AMP	POLE		
1	ENTRANCE ISLAND SIGN CIRCUIT	1	20	.1			1.70			20	1	PARKING LOT LIGHTS	2
3	SIDEWALK LIGHTS	1	20		.85					20	1	SPARE	4
5	CENTER ISLAND SIGN CIRCUIT	1	20			.1				20	1	SPARE	6
7	SIDEWALK SIGN CIRCUIT	1	20	.1						20	1	SPARE	8
9	SPARE	1	20							20	1	SPARE	10
11	SPACE ONLY	1	---							---	1	SPACE ONLY	12
13	SPACE ONLY	1	---							---	1	SPACE ONLY	14
15	SPACE ONLY	1	---							---	1	SPACE ONLY	16
17	SPACE ONLY	1	---							---	1	SPACE ONLY	18
19	SPACE ONLY	1	---							---	1	SPACE ONLY	20
21	SPACE ONLY	1	---							---	1	SPACE ONLY	22
23	SPACE ONLY	1	---							---	1	SPACE ONLY	24
25	↓	↓	↓	1.0						↓	↓	↓	26
27	PANEL 'PLNL' VIA TRANSFORMER	3	25		1.0					30	3	SURGE SUPPRESSOR	28
29	↓	↓	↓			1.0				↓	↓	↓	30

TOTAL CONNECTED KVA

2.80	1.85	1.1
A	B	C

MINIMUM INTERRUPTING CAPACITY: 22,000 AMPS SYMMETRICAL

120/208 VOLT 3Ø 4W  
60 AMP MAIN BREAKER

CIRCUIT BREAKER PANEL SCHEDULE  
NEW PANEL PLNL

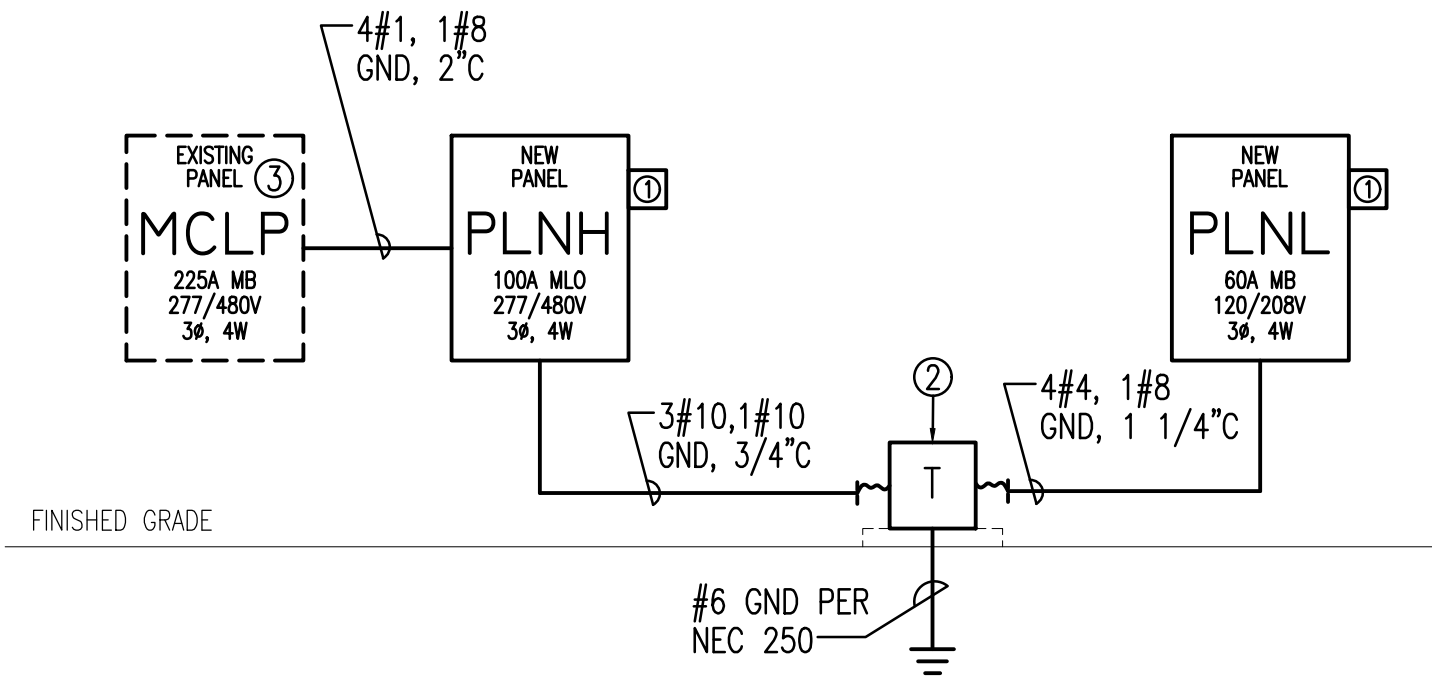
SURFACE MOUNTED  
NEMA 4X ENCLOSURE  
PANEL SHALL BE LOCKABLE

CKT	LOAD DESCRIPTION	BREAKER		KVA/PHASE			KVA/PHASE			BREAKER		LOAD DESCRIPTION	CKT
		POLE	AMP	A	B	C	A	B	C	AMP	POLE		
1	ENTRANCE ISLAND SIGN CIRCUIT	1	20	1.0						20	1	SPARE	2
3	CENTER ISLAND SIGN CIRCUIT	1	20		1.0					20	1	SPARE	4
5	SIDEWALK SIGN CIRCUIT	1	20			1.0				20	1	SPARE	6
7	SPARE	1	20							20	1	SPARE	8
9	SPARE	1	20							20	1	SPARE	10
11	SPACE ONLY	1	---							---	1	SPACE ONLY	12
13	SPACE ONLY	1	---							---	1	SPACE ONLY	14
15	SPACE ONLY	1	---							---	1	SPACE ONLY	16
17	SPACE ONLY	1	---							---	1	SPACE ONLY	18
19	SPACE ONLY	1	---							↓	↓	↓	20
21	SPACE ONLY	1	---							30	3	SURGE SUPPRESSOR	22
23	SPACE ONLY	1	---							↓	↓	↓	24

TOTAL CONNECTED KVA

1.0	1.0	1.0
A	B	C

MINIMUM INTERRUPTING CAPACITY: 10,000 AMPS SYMMETRICAL

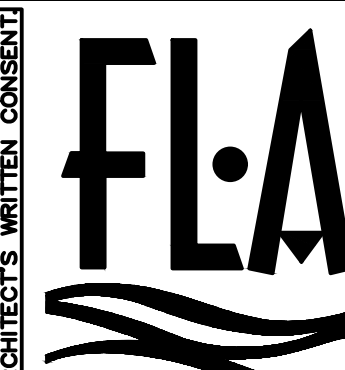


PANEL 'PLNH' POWER RISER DIAGRAM

PANEL 'PLNH' POWER RISER KEYNOTES:

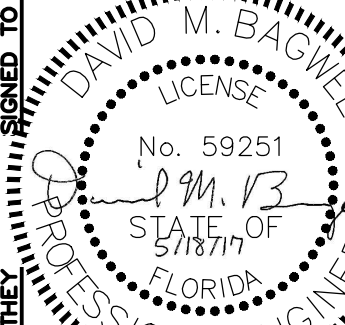
- ① SURGE SUPPRESSOR; EQUAL TO SURGE SUPPRESSION INC. #SKB3Y2D3 INSTALL PER MANUFACTURER'S RECOMMENDATIONS; SURGE SUPPRESSOR SHALL BE NEMA 3R RATED.
- ② GENERAL PURPOSE 15KVA 480Δ- 208Y/120V, 3Ø, 4W, DRY TYPE TRANSFORMER. PROVIDE NEMA 3R ENCLOSURE, WEATHERSHIELDS AND CONCRETE PAD 4" THICK AND 4" LARGER THAN FOOTPRINT OF TRANSFORMER.
- ③ INSTALL NEW 100 AMP/3 POLE BREAKER IN EXISTING SPACE TO SERVE NEW PANEL.

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Drawn By:  
D.C.  
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Revisions:



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GULF COAST STATE COLLEGE  
PHASE 3  
CAMPUS IMPROVEMENTS

POWER RISER  
DIAGRAM AND PANEL  
SCHEDULES

CONSTRUCTION  
DOCUMENTS  
Sheet Number

E7