

PASS CHRISTIAN SITE DEMOLITION AND SITE WORK (REBID)

MISSISSIPPI DEPARTMENT OF MARINE RESOURCES
412 WEST BEACH BOULEVARD, PASS CHRISTIAN, MS

STORM WATER EROSION

CONTROL NOTE:

THE CONTRACTOR IS RESPONSIBLE FOR ABIDING BY MDEQ REGULATIONS THROUGHOUT THE CONSTRUCTION OF THE PROJECT, AND A STOP WORK ORDER MAY BE ISSUED AT ANY TIME THESE MEASURES ARE NOT IN COMPLIANCE. THE CONTRACTOR MUST OBTAIN A COPY OF THESE PRIOR TO THE BID SO THAT THE REQUIREMENTS ARE KNOWN.

COORDINATION WITH THE CITY OF PASS CHRISTIAN

POINT-OF-CONTACT FOR THE CITY OF PASS CHRISTIAN SHALL BE MR. SHAD JEANFREAU, CODE ENFORCEMENT OFFICIAL-(228) 452-3316. MR. JEANFREAU SHALL APPROVE ALL SITE FENCE AND GATE LOCATIONS, PERMITTING, AND HAUL ROUTES.

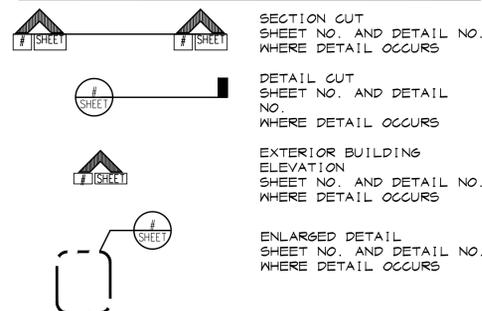


VICINITY MAP

NOT TO SCALE



SYMBOLS



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ALTERNATES

ADDITIVE ALTERNATE NO. 1-AN ADDITIVE PROPOSAL IS REQUIRED FOR ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY TO FURNISH AND INSTALL LANDSCAPE LIGHTING; COMPLETE AS INDICATED ON THE DRAWINGS AND IN ACCORDANCE WITH THE SPECIFICATIONS.

ADDITIVE ALTERNATE NO. 2-AN ADDITIVE PROPOSAL IS REQUIRED FOR ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO FURNISH AND INSTALL LANDSCAPE PLANTING; COMPLETE AS INDICATED ON THE DRAWINGS AND IN ACCORDANCE WITH THE SPECIFICATIONS.

ADDITIVE ALTERNATE NO. 3-AN ADDITIVE PROPOSAL IS REQUIRED FOR ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO FURNISH AND INSTALL THE MAINTENANCE ACCESS AREA (OFF CLARENCE AVENUE, NEAR US HWY 90); COMPLETE AS INDICATED ON THE DRAWINGS AND IN ACCORDANCE WITH THE SPECIFICATIONS. BASE BID SHALL BE SOD OVER TYPICAL SUBGRADE.

GENERAL NOTES

1. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT SITES AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS AND WITH THE CONTRACT DOCUMENTS. ANY QUESTIONS OR DISCREPANCIES REGARDING THE NATURE OR INTENT OR THE WORK SHALL BE DIRECTED TO THE ARCHITECT PRIOR TO BIDDING.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE WORK SITE, ETC. DURING THE PROJECT. THE CONTRACTOR SHALL CORRECT ALL DAMAGE CAUSED BY HIS WORKMEN, AT NO COST TO THE OWNER.
3. THE CONTRACTOR SHALL EXERCISE CARE AND TAKE APPROPRIATE PRECAUTIONARY MEASURES TO PREVENT ANY DAMAGE TO THE EXISTING SITE, INCLUDING BUT NOT LIMITED TO LANDSCAPING, SIDEWALKS, UTILITIES, COMMUNICATIONS, ETC. THROUGHOUT THE CONTRACT PERIOD. CONTRACTOR SHALL PROVIDE APPROPRIATE BARRICADES, DUST SCREENS, ETC.
4. NOT EVERY CONDITION HAS BEEN DETAILED. WHERE SPECIFIC DETAILING IS NOT SHOWN, EXECUTE THE CONSTRUCTION IN A SOUND, WORKMANLIKE MANNER CONSISTENT WITH ACCEPTED BUILDING PRACTICES AND WITH OTHER DETAILING SHOWN.
5. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO ORDER OF MATERIALS OR LAYOUT OF NEW WORK.
6. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL CONSTRUCTION PERMITS THAT ARE REQUIRED TO ACCOMPLISH THE WORK SPECIFIED HEREIN.

DEMOLITION NOTES

ALL INFORMATION REGARDING EXISTING CONDITIONS IS BASED ON OWNER SUPPLIED DOCUMENTS AND MAY NOT REFLECT ACTUAL FIELD CONDITIONS. UPON DISCOVERY OF ANY DISCREPANCIES BETWEEN DRAWINGS DEPICTING EXISTING CONDITIONS OR UPON DISCOVERY OF UNKNOWN CONDITIONS DETRIMENTAL TO THE COMPLETION OF THE WORK AS INDICATED ON THE DRAWINGS CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING.

1. CONTRACTOR SHALL MAINTAIN AND PROTECT ALL EXISTING TREES TO REMAIN PER REGULATIONS AND REQUIREMENTS OF THE LOCAL MUNICIPALITY.
2. CONTRACTOR IS RESPONSIBLE FOR ALL SHORING AND BRACING NECESSARY TO MAINTAIN STRUCTURAL INTEGRITY TO COMPLETE DEMOLITION.
3. CARE SHOULD BE TAKEN AT INTERFACE BETWEEN DEMOLITION AND EXISTING CONSTRUCTION TO REMAIN. AFTER REMOVAL MATERIALS TO BE DEMOLISHED, PATCH AND REPAIR DAMAGE TO ANY EXISTING ADJACENT ROOF AREAS, WALLS, SIDEWALKS, PAVING, CURBS, LANDSCAPING, ETC., TO A LIKE NEW CONDITION.
4. THE CONTRACTOR SHALL NOTIFY, COORDINATE, SCHEDULE AND RECEIVE PRIOR PERMISSION FROM NEIGHBORING PROPERTY OWNERS PRIOR TO ANY SHUT DOWN OF BUILDING SERVICES AS REQUIRED TO COMPLETE THE WORK. NOTIFICATION SHALL INCLUDE LENGTH OF TIME REQUIRED TO SHUT DOWN, LENGTH OF TIME SERVICE WILL BE DISCONNECTED AND TIME REQUIRED TO RECONNECT SERVICES. SHUT DOWN SHALL NOT OCCUR DURING BUSINESS HOURS.
5. THE CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION AS NECESSARY AND AS REQUIRED TO PROTECT ADJACENT PROPERTIES AND INFRASTRUCTURE.
6. ALL DEMOLITION WORK SHALL BE EXECUTED IN CONFORMANCE WITH ALL CODES AND ORDINANCES AS SET FORTH BY ALL GOVERNING AUTHORITIES.
7. THE CONTRACTOR SHALL CALL THE MISSISSIPPI DAMAGE PREVENTION NUMBER (1-800-227-6477) AS REQUIRED BY LAW TO LOCATE ALL EXISTING SITE UTILITIES PRIOR TO COMMENCING WORK.

SET NO. _____

alired
ARCHITECTURAL
GROUP

TITLE SHEET
PASS CHRISTIAN SITE DEMOLITION AND SITE WORK (REBID)
MISSISSIPPI DEPARTMENT OF MARINE RESOURCES
412 WEST BEACH BOULEVARD, PASS CHRISTIAN, MS

APPROVED BY

JOB NUMBER
2014-13

DATE
JUNE 1, 2016

REVIEWED BY
SWN

CHECKED BY
HA



SHEET
T-1
OF SHEETS

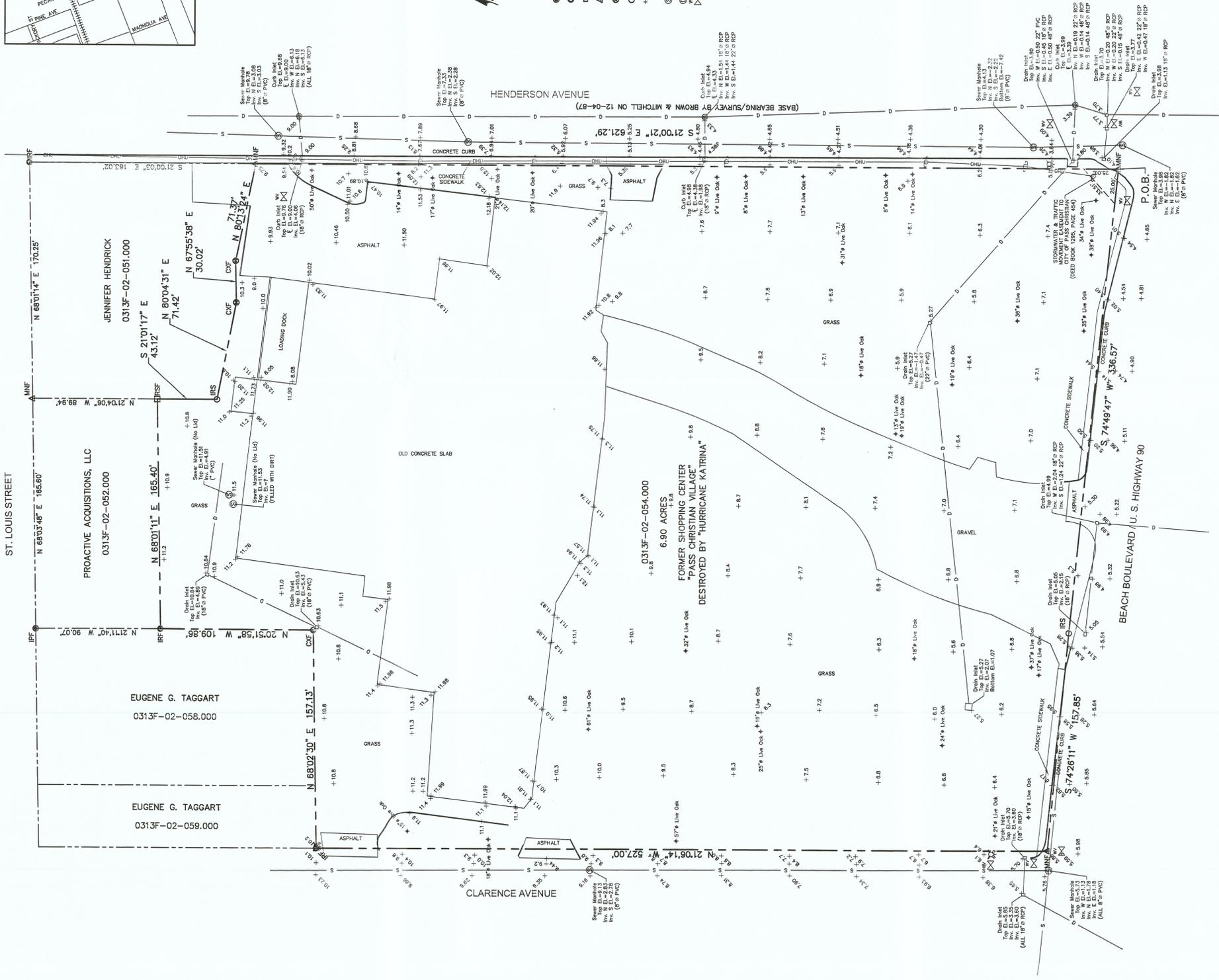


VICINITY MAP
SCALE: 1"=1000'



- IPF = IRON PIPE FOUND
- IRF = IRON ROD FOUND
- RSF = RAILROAD SPIKE FOUND
- ▲ MNF = MAG NAIL FOUND
- ⊙ CWF = CHISELED "X" FOUND
- IRS = IRON ROD SET
- +XXX = EXISTING SPOT ELEVATIONS (N.A.V.D. 88)
- ⊙ = SEWER MANHOLE
- ⊙ = DRAIN MANHOLE
- ⊗ = WATER VALVE

REFERENCES:
 SURVEY BY J. A. MARTIN
 DATED: NOVEMBER 6, 1962
 SURVEY BY FAIRLEY ENGINEERING
 DATED: APRIL 1, 1977
 SURVEY BY J. M. CASSADY
 DATED: MAY 10, 1978
 SURVEY BY J. M. CASSADY
 DATED: AUGUST 21, 1988
 SURVEY BY BROWN & MITCHELL
 DATED: DECEMBER 4, 1987
 SURVEY BY J. M. CASSADY
 DATED: SEPTEMBER 27, 1991
 SURVEY BY J. M. CASSADY
 DATED: MARCH 6, 1992
 SURVEY BY J. M. CASSADY
 DATED: MARCH 15, 2010



NOTE:
 ACCORDING TO A SURVEY BY BROWN & MITCHELL ON DECEMBER 4, 1987,
 THERE WERE WATER & SEWER LINES LOCATED UNDER THE EXISTING DRIVEWAY
 ALONG THE REAR OF THE EXISTING SHOPPING CENTER WESTERLY TO CLARENCE
 AVENUE. THE SURVEY ALSO DELINEATED A STORM DRAIN LINE RUNNING FROM
 HIGHWAY 80 TO CLARENCE AVENUE. THE SURVEY ALSO DELINEATED A STORM DRAIN LINE TO
 HIGHWAY 80 AND THEN RUNNING NORTHWESTERLY INTO THE PARKING AREA.

LEGAL DESCRIPTION: PER SURVEY

A parcel of land situated and being located in City Section Block 144 and in Sections 25 & 26, Township 8 South, Range 13 West, City of Pass Christian, First Judicial District of Harrison County, Mississippi and being more particularly described as follows, to-wit:

Beginning at the intersection of the westerly margin of Henderson Avenue with the northerly margin of Beach Boulevard / U. S. Highway 90; thence run South 74 degrees 49 minutes 47 seconds West 356.57 feet along the northerly margin of Beach Boulevard / U. S. Highway 90; thence run South 74 degrees 26 minutes 11 seconds West 157.85 feet along the northerly margin of Beach Boulevard / U. S. Highway 90; thence run North 21 degrees 06 minutes 14 seconds East 700 feet along the easterly margin of Clarence Avenue; thence run North 68 degrees 02 minutes 30 seconds East 157.13 feet; thence run North 20 degrees 51 minutes 56 seconds West 109.86 feet; thence run North 68 degrees 01 minutes 11 seconds East 165.40 feet; thence run South 21 degrees 01 minutes 17 seconds East 43.12 feet; thence run North 80 degrees 04 minutes 31 seconds East 71.42 feet; thence run North 67 degrees 55 minutes 38 seconds East 30.02 feet; thence run North 80 degrees 13 minutes 24 seconds East 71.37 feet to the westerly margin of Henderson Avenue; thence run South 21 degrees 00 minutes 21 seconds East 621.29 feet along the westerly margin of Henderson Avenue to the Point of Beginning.

This is to CERTIFY that this map or plot and the survey on which it is based were made in accordance with "Standards of Practice for Surveying in the State of Mississippi".

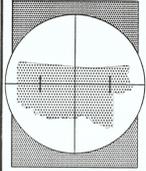


J. MICHAEL CASSADY, L.S.
 L.S. 1529
 Dated: August 20, 2015
 Revised: September 25, 2015
 CLASS "B" SURVEY

Drawn By	JET
Checked By	JMC
Date	09/21/15
Scale	1"=40'
Job No.	18175-10
Sheet	1 of 1

1817510 Topo.dwg

Mississippi Department of Marine Resources
 #412 West Beach Boulevard
 Pass Christian, Mississippi
 Boundary / Topographic Survey



CASSADY & ASSOCIATES, INC.
 E. Patrick Cassidy - 1912-1991 June 1917 J. Michael Cassidy, P.L.S.
 1714 2nd Avenue Gulfport, Mississippi 39501
 Phone (228) 896-7155 Fax (228) 896-8405
 Post Office Box 7201 E-Mail: surveys@cassadyassociates.com

REVISIONS		
Revised	Date	By

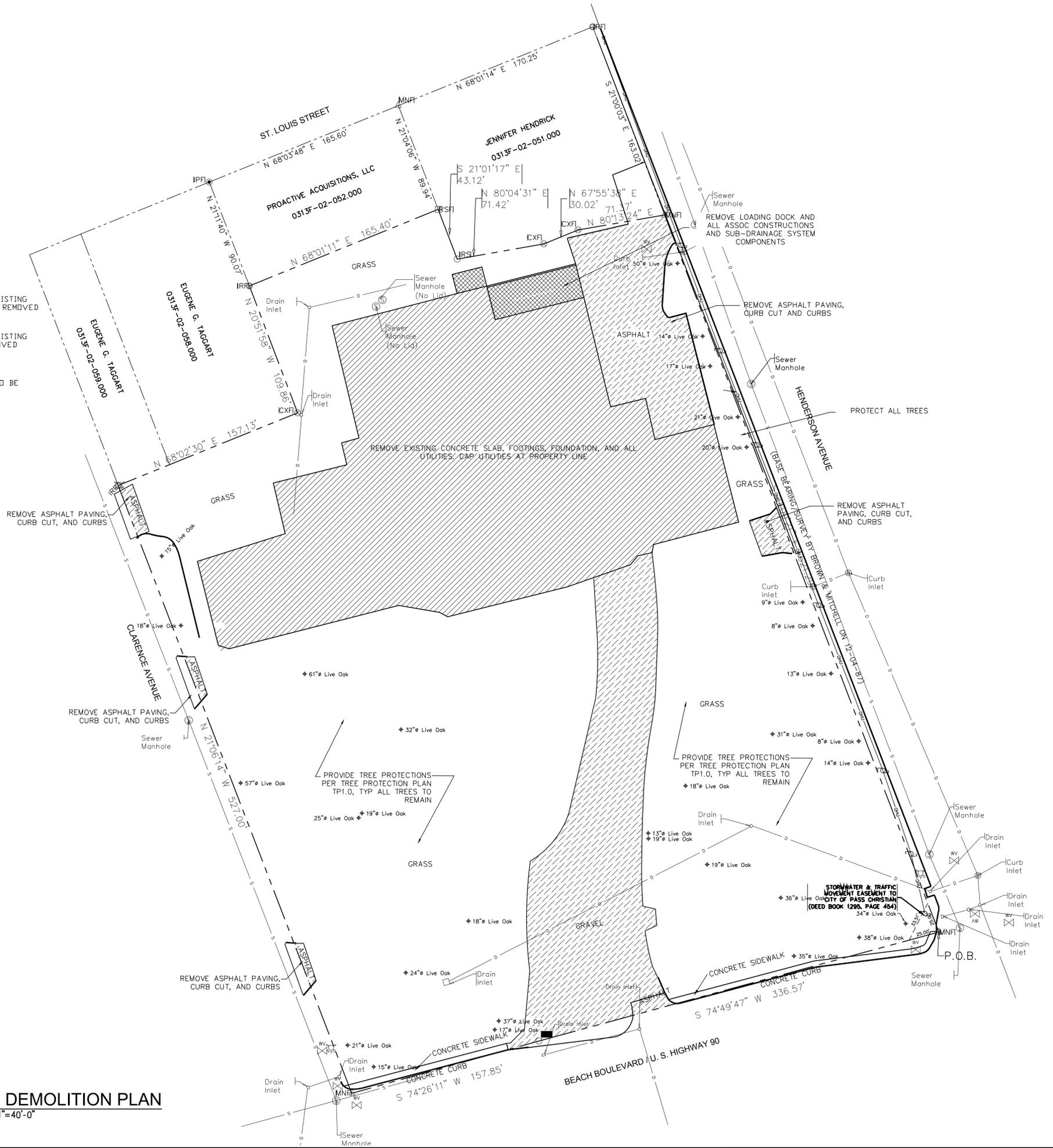
By Graphic Picturing only. This property is in Zone "VE" [Base 20] [Base 21] [Base 22] [Base 23] & [Base 24] of the Flood Insurance Rate Study. The community with Building Official for community determined base flood elevation. Exact statement is for information only and this surveyor assumes no liability for the correctness of the cited map(s). In addition, the above statement does not represent the surveyor's opinion of the probability of flooding. Continuum 1687/Driftmap map with RFP Specialist in Planning Department.

SITE WORK NOTES

- CONTRACTOR SHALL OBTAIN A SET OF BMP'S & STORMWATER REQUIREMENTS FROM THE CITY OF PASS CHRISTIAN'S PLANNING DEPARTMENT. BMP'S ARE REQUIRED TO BE CHECKED AND VERIFIED ON A DAILY BASIS.
- EROSION CONTROL MEASURES (SILT FENCING, HAY BALES, SEEDING & MULCHING) SHALL BE PROVIDED AS REQUIRED BY APPLICABLE REGULATIONS. WHEN STORMWATER MANAGEMENT DEVICES ARE NO LONGER NEEDED (GRASS OR VEGETATION HAS BEEN ESTABLISHED) THEY SHALL BE REMOVED & BECOME THE PROPERTY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE ALL APPLICABLE ENVIRONMENTAL PROTECTIONS MEASURES AS REQUIRED INCLUDING SPRINKLING THE ENTIRE DISTURBED AREA UNTIL THE SURFACE IS WET TO CONTROL DUST.
- DURING THE COURSE OF CONSTRUCTION ACTIVITIES, EROSION & SEDIMENT CONTROLS SHALL BE USED TO PREVENT TRACKING OF MUD AND/OR SEDIMENT ACCUMULATION ON PUBLIC ROADWAYS OR DEPOSITING ON ADJACENT PROPERTIES AND WATERWAYS. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, BY SWEEPING AS REQUIRED.
- WHERE PEDESTRIAN & DRIVER SAFETY IS ENDANGERED IN THE AREA OF REMOVAL WORK, USE TRAFFIC BARRICADES WITH FLASHING LIGHTS.
- CONTRACTOR TO PROVIDE & INSTALL TEMPORARY CONSTRUCTION CHAIN LINK FENCES & GATES AS SPECIFIED. THE EXACT LOCATION OF THE FENCING & THE GATE LAYOUT TO BE COORDINATED WITH THE CITY OF PASS CHRISTIAN PRIOR TO INSTALLATION.
- THE PREFERRED CONSTRUCTION TRAFFIC ROUTE TO AND FROM THE PROJECT SITE IS TO BE COORDINATED WITH THE CITY OF PASS CHRISTIAN.
- WHERE PAVING IS MARKED TO BE REMOVED, REMOVE PAVING, BASE COURSE, CURBS, AND ALL SUBSURFACE DRAINAGE SYSTEMS TO EDGE OF PROPERTY. CAP ALL ABANDONED SUBSURFACE LINES AT STREET.
- WHERE SLABS, OR MISC CONCRETE IS MARKED TO BE REMOVED, REMOVAL SHALL INCLUDE THE SLAB, ASSOC FOUNDATIONS AND FOOTINGS, ALL RETAINING WALLS, SUBSURFACE DRAINAGE, AND ALL UNDERGROUND UTILITIES.
- FILL VOIDS IN SUBGRADE CREATED AS A RESULT OF DEMOLITION BACK TO MATCH EXISTING ADJACENT GRADE & TO ALLOW FOR PROPER SITE DRAINAGE. CONTRACTOR SHALL NOT INCREASE RUNOFF TO ADJACENT PROPERTIES. SEE GRADING PLAN 001.
- ALL EXISTING TREES SHALL REMAIN AND SHALL BE PROTECTED PER SPEC. SEE TREE PROTECTION PLAN TP10.
- ALL UTILITIES SHOWN ON SURVEY SHALL BE REMOVED TO PROPERTY LINE AND CAPPED. ANY UTILITIES LOCATED IN FIELD SHALL BE REMOVED TO PROPERTY LINE AND CAPPED. ALL EXCAVATIONS SHALL BE FILLED PER NOTE 10.
- CONTRACTOR SHALL REMOVE ALL EXISTING CURB CUTS TO PROPERTY LINE. NO WORK SHALL BE REMOVED BEYOND PROPERTY LINE. AREA OF REMOVED CONSTRUCTION SHALL BE PREPARED FOR NEW WORK.
- CONTRACTOR SHALL NOT EXCAVATE OR FILL WITH HEAVY EQUIPMENT UNDER THE DRIP LINE OF ANY EXISTING TREE. WHEN WORKING WITHIN THE DRIP LINE, CONTRACTOR SHALL USE HAND TOOLS ONLY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE REMOVAL AND DISPOSAL OF THE EXISTING GREASE TRAP AT THE NORTH END OF THE PROPERTY.
- CONTRACTOR SHALL PROVIDE MIN 6' TALL TEMPORARY CHAIN LINK SITE FENCING AROUND THE GREASE TRAP EXCAVATION, OR ANY OTHER EXCAVATION, PER OSHA 126.501(b)(7)(d). FENCING SHALL REMAIN UNTIL EXCAVATION IS FILLED. COORDINATE TEMPORARY FENCE AND GATE'S LOCATIONS WITH THE CITY OF PASS CHRISTIAN.

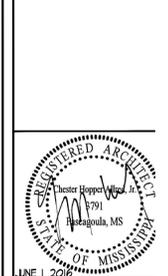
SITE WORK LEGEND

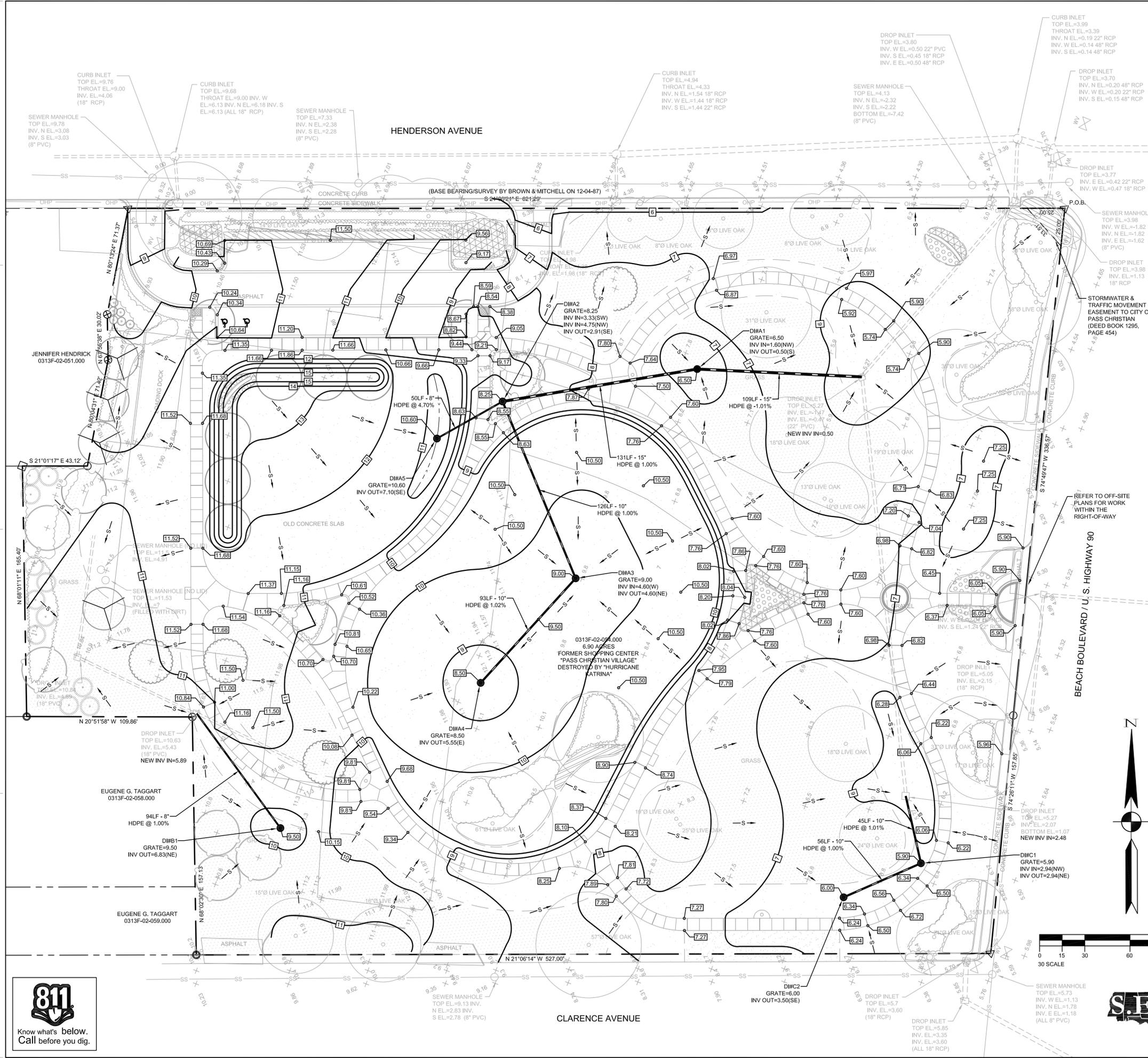
-  APPROX EXTENT OF EXISTING BUILDING SLAB TO BE REMOVED
-  APPROX EXTENT OF EXISTING CONCRETE TO BE REMOVED
-  APPROX EXTENT OF EXISTING PAVEMENT TO BE REMOVED.



1 SITE DEMOLITION PLAN
A-1 SCALE : 1"=40'-0"

APPROVED BY	APPROVED BY	APPROVED BY
DATE	DATE	DATE
REVISION	REVISION	REVISION
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CHECKED BY	CHECKED BY	CHECKED BY



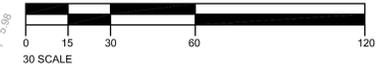


GRADING & DRAINAGE NOTES

1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
2. ALL CUT OR FILL SLOPES SHALL BE 2:1 OR FLATTER UNLESS OTHERWISE NOTED. SLOPES STEEPER THAN 3:1 SHALL BE COVERED WITH CURLEX BLANKETS BY AMERICAN EXCELSIOR COMPANY OR EQUAL.
3. ALL DISTURBED AREAS NOT OTHERWISE COVERED BY BUILDINGS OR PAVEMENT SHALL RECEIVE FOUR INCHES OF TOPSOIL AND STABILIZED PER THE LANDSCAPE PLAN.
4. ALL STRUCTURES SHALL BE PRECAST CONCRETE PER ASTM C-478/C-913 AND MDOT STANDARDS UNLESS APPROVED OTHERWISE BY THE ENGINEER.
5. STORM PIPE SHALL BE AS FOLLOWS:
RCP, CLASS III PER MDOT SPECIFICATIONS.
HDPE, ADS #12 PIPE PER SPECIFICATIONS.
THE TYPE OF PIPE MAY BE ALTERED IF APPROVED BY THE ENGINEER.
6. ALL CAST IN PLACE CONCRETE TO HAVE A MIN. 28 DAY COMPRESSION STRENGTH OF 3000 P.S.I.
7. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED, AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
8. THE CONTOUR INTERVAL IS ONE FOOT OR AS SHOWN.
9. THE ELEVATION OF MANHOLE/INLET TOPS ARE TO BE AT THE FINISH ELEVATION SHOWN. THE DEFINITION OF THE TYPE OF TOP IS AS LISTED:
WEIR INLET = THROAT; ELEVATION OF THE POINT AT WHICH WATER PASSES INTO THE BOX.
DROP INLET = GRATE; THE TOP MOST PART OF THE FRAME AND GRATE.
CURB INLET = THROAT; ELEVATION OF THE POINT AT WHICH WATER PASSES INTO THE BOX.
JUNCTION BOX = TOP; THE TOP MOST PART OF THE RIM AND COVER CASTING.
10. BY GRAPHIC PLOTTING ONLY, THIS PROPERTY IS IN ZONE "VE" [BASE 20], [BASE 21], [BASE 22], [BASE 23] & [BASE 24] OF THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 28047C0334G & 28047C0345G, REVISION DATE JUNE 16, 2009.
11. UTILITY TRENCHES SHALL BE DE-WATERED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER AND THE SPECIFICATIONS. APPROVED MEASURES SHALL BE TAKEN TO ENSURE THE PROPER INSTALLATION OF THE PIPING SYSTEM. THE CONTRACTOR SHALL HOLD THE OWNER AND ENGINEER HARMLESS FOR ADDITIONAL COSTS FOR DE-WATERING AND BACKFILL LABOR & MATERIALS.
12. THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER RECORD DRAWINGS OF AS-BUILT CONDITIONS FOR THE DEVELOPMENT OF THE SITE.
13. EXISTING INFORMATION IS SHOWN PER SURVEY BY CASSADY & ASSOCIATES, INC.
14. ALL STRUCTURAL FILL AREAS TO BE CONSTRUCTED UNDER THE DIRECTION OF A SOILS ENGINEER AND COMPACTED TO A MINIMUM 100 PERCENT STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D 698).
15. GRADES NOT OTHERWISE INDICATED ON THE PLANS SHALL BE UNIFORM LEVELS OR SLOPES BETWEEN POINTS WHERE ELEVATIONS ARE GIVEN, ABRUPT CHANGES IN SLOPE SHALL BE WELL ROUNDED. ELEVATIONS REPRESENT FINAL GRADE.
16. ALL SILT BARRIERS SHALL BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL THE TREE PROTECTION, SAVES AREAS, SILT BARRIER INSTALLATION AND DETENTION FACILITIES ARE CONSTRUCTED.
17. THE LAND DISTURBANCE PERMIT MUST BE DISPLAYED ON SITE AT ALL TIMES DURING CONSTRUCTION AND IN PLAIN VIEW FROM A PUBLIC ROAD OR STREET.
18. ALL O.S.H.A. CONSTRUCTION REQUIREMENTS SHALL BE STRICTLY ADHERED TO.
19. PIPE LENGTHS SHOWN ARE LINEAR DISTANCES BETWEEN CENTER TO CENTER OF STRUCTURES. THE CONTRACTOR SHALL DETERMINE THE QUANTITY OF PIPE NEEDED FOR THE JOB, BASED ON SLOPE LENGTH AND WHOLE STANDARD PIPE SECTIONS.
20. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING PROPER TRAFFIC CONTROL FOR PUBLIC SAFETY ADJACENT TO THE CONSTRUCTION SITE.
21. THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN BARRICADES, WARNING SIGNS, LIGHTS AND OTHER TRAFFIC CONTROL DEVICES IN CONFORMITY WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, LATEST EDITION.
22. MAXIMUM CUT OR FILL SLOPE IS 2H:1V
23. CONTRACTOR TO CLEAN OUT ACCUMULATED SILT IN THE STORM SYSTEM AT THE END OF CONSTRUCTION WHEN DISTURBED AREAS HAVE BEEN STABILIZED.
24. ALL ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

GRADING & DRAINAGE PLAN LEGEND

EXISTING	PROPOSED



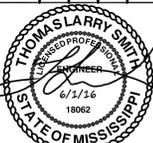
628 WASHINGTON AVENUE, SUITE C
OCEAN SPRINGS, MS 39564
PHONE: (228) 742-1975 FAX: (228) 749-9545
EMAIL: CONTRACTOR@ARCHITECTURALGROUP.COM



GRADING & DRAINAGE PLAN
PASS CHRISTIAN SITE DEMOLITION AND SITE WORK
MISSISSIPPI DEPARTMENT OF MARINE RESOURCES
412 WEST BEACH BOULEVARD, PASS CHRISTIAN, MS

APPROVED BY: [Signature]
DATE: 6/1/16

APPROVED BY: [Signature]
DATE: 6/1/16



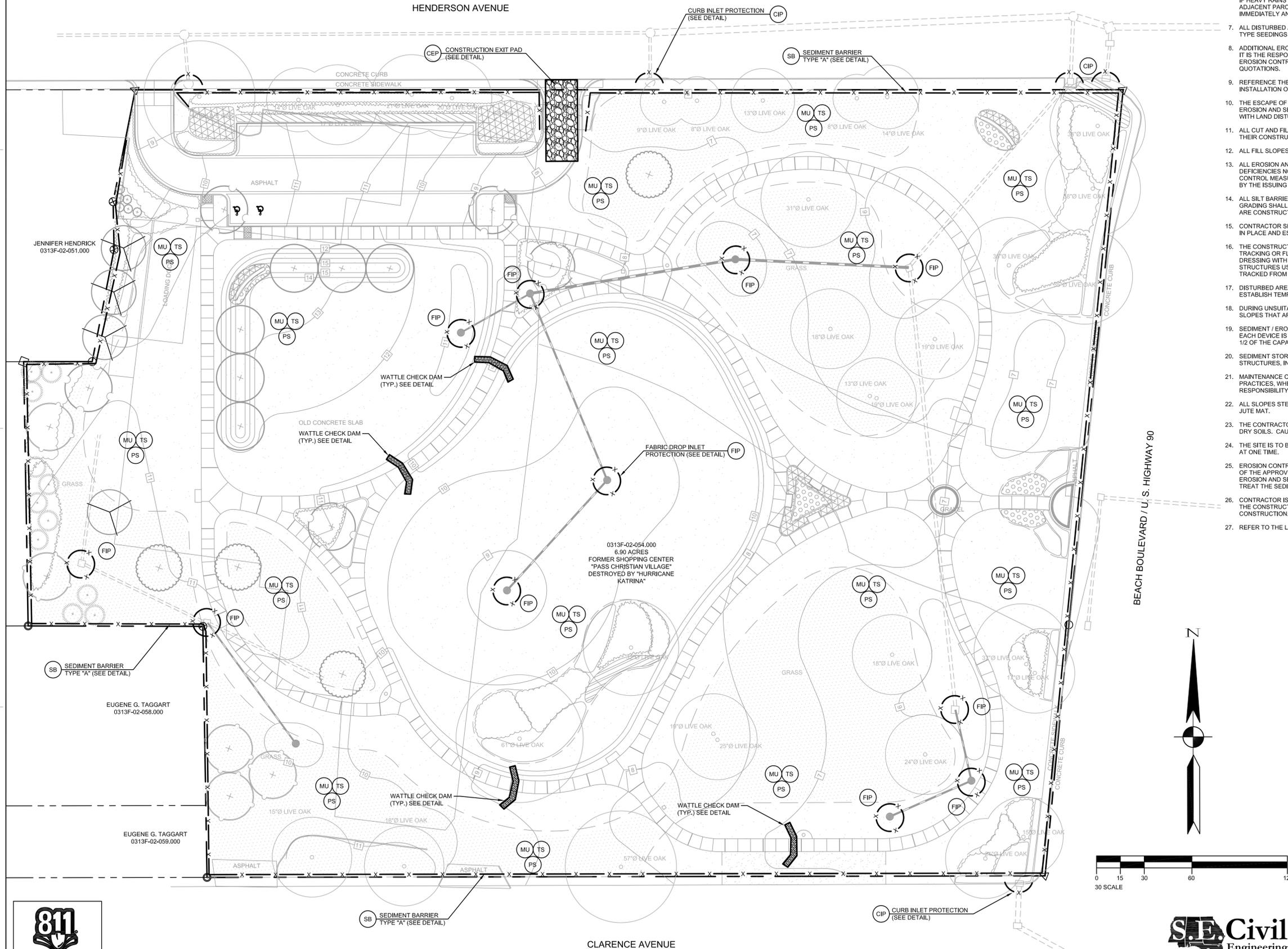
SHEET
C01
OF SHEETS

CONSTRUCTION SEQUENCE

- OBTAIN ALL REQUIRED PERMITS.
- INSTALL CONSTRUCTION EXIT PAD, SILT FENCING, AND TREE PROTECTION FENCE. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES.
- CALL FOR ONSITE INSPECTION BY QUALIFIED CREDENTIALLED PROFESSIONAL (GCP). IF APPROVED, BEGIN CLEARING AND GRUBBING.
- MAINTAIN DEVICES AS SPECIFIED. ROUGH GRADE SITE.
- INSTALL STORM SEWER AND PROTECT INLETS WITH SILT FENCING, SEDIMENT TRAPS OR OTHER APPROVED MEASURES AS SHOWN ON THE PLAN. BEGIN CONSTRUCTING WALKS.
- STABILIZE SITE AS AREAS ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION, PAVING, ETC.
- WHEN CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED COMPLETELY, CALL FOR INSPECTION BY GCP.
- IF SITE IS APPROVED, REMOVE SILT FENCING, INLET PROTECTION, ETC. AND STABILIZE ANY RESULTING DISTURBANCE.
- REMOVE AND DISPOSE OF ACCUMULATED SEDIMENTS FROM STORM SEWERS AND RETURN CHANNEL TO ORIGINAL DIMENSIONS.
- WHEN VEGETATION HAS BECOME ESTABLISHED, CALL FOR FINAL SITE INSPECTION BY GCP.

EROSION CONTROL NOTES

- THE EXISTING SITE IS DEVELOPED.
- CONTACT LARRY SMITH, PE 251-990-6566.
- AREA TO BE DISTURBED = 6.90 ACRES
- ALL VEGETATION SHALL BE PLANTED AND MAINTAINED PER THE MDEQ PLANNING AND DESIGN MANUAL FOR THE CONTROL OF EROSION, SEDIMENT, AND STORMWATER.
- ALL EROSION CONTROL MEASURES SHALL BE PER THE DIRECTION OF THE ENGINEER, MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY, AND THE FEDERAL E.P.A. GUIDELINES FOR THE NPDES PROGRAM.
- ABSOLUTELY NO SEDIMENT SHALL BE PERMITTED TO LEAVE THE SITE DURING CONSTRUCTION. IF HEAVY RAINS OR UNUSUAL SITE CONDITIONS RESULT IN THE POLLUTION OF ROADWAYS OR ADJACENT PARCELS THEN THE GRADING CONTRACTOR SHALL CLEAN THE DISTURBED AREAS IMMEDIATELY AND RESTORE THE AREAS TO THE ORIGINAL CONDITION.
- ALL DISTURBED AREAS SHALL BE TEMPORARILY AND PERMANENTLY SEEDED WITH "SOUTH" TYPE SEEDINGS PER THE MISSISSIPPI PLANNING AND DESIGN MANUAL...
- ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE GOVERNING OFFICIALS. IT IS THE RESPONSIBILITY OF THE GRADING CONTRACTOR TO BE INTIMATE WITH THE LOCAL EROSION CONTROL LAWS AND TO REFLECT THIS KNOWLEDGE IN HIS/HER ACTIONS AND QUOTATIONS.
- REFERENCE THE CONSTRUCTION SEQUENCE FOR THE RELATIONSHIP BETWEEN THE INSTALLATION OF EROSION CONTROL FEATURES AND GENERAL CONSTRUCTION.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.
- ALL CUT AND FILL SLOPES MUST BE SURFACE ROUGHENED AND VEGETATED WITHIN 7 DAYS OF THEIR CONSTRUCTION.
- ALL FILL SLOPES SHALL HAVE SILT FENCE AT THE TOE OF SLOPES.
- ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND ANY DEFICIENCIES NOTED WILL BE CORRECTED BY THE END OF EACH DAY. ADDITIONAL EROSION CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY AFTER ON-SITE INSPECTION BY THE ISSUING AUTHORITY.
- ALL SILT BARRIERS SHALL BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL THE TREE PROTECTION, SAVES AREAS, AND SILT BARRIERS ARE CONSTRUCTED.
- CONTRACTOR SHALL REMOVE EROSION CONTROL DEVICES AFTER PERMANENT GRASSING IS IN PLACE AND ESTABLISHED.
- THE CONSTRUCTION EXIT PAD SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE. AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE OR SITE ONTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.
- DISTURBED AREAS LEFT IDLE FOR FOURTEEN DAYS OR LONGER ARE TO BE MULCHED OR ESTABLISH TEMPORARY SEEDING.
- DURING UNSUITABLE GROWING SEASON, MULCH WILL BE USED AS A TEMPORARY COVER ON SLOPES THAT ARE 3:1 OR STEEPER. MULCH WILL BE ANCHORED.
- SEDIMENT / EROSION CONTROL DEVICES MUST BE CHECKED AFTER EACH STORM EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED 1/2 OF THE CAPACITY OF THE DEVICE.
- SEDIMENT STORAGE MAINTENANCE INDICATORS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, INDICATING THE 1/2 FULL VOLUME.
- MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE OWNER'S CONTRACTOR.
- ALL SLOPES STEEPER THAN 3H:1V MUST BE MATTED AND STAKED WITH AMERICAN EXCELSIOR JUTE MAT.
- THE CONTRACTOR SHALL PREVENT THE LOSS OF SEDIMENT DUE TO WIND VIA WATERING DRY SOILS. CAUTION SHOULD BE TAKEN TO ENSURE THAT THE SITE IS NOT OVER WATERED.
- THE SITE IS TO BE CLEARED AND GRADED AS TO MINIMIZE THE AMOUNT OF SOIL EXPOSED AT ONE TIME.
- EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- CONTRACTOR IS RESPONSIBLE FOR MONITORING DOWNSTREAM CONDITIONS THROUGHOUT THE CONSTRUCTION PERIOD AND CLEARING ANY DEBRIS AND SEDIMENT CAUSED BY CONSTRUCTION.
- REFER TO THE LANDSCAPE PLANS FOR FINAL STABILIZATION MEASURES AND DETAILS.



EROSION CONTROL PRACTICES

CODE	PRACTICE	DESCRIPTION
CEP	CONSTRUCTION EXIT PAD	A stone base pad that removes mud and coiled soil from the tires of construction vehicles. It is located where traffic will be leaving a construction site and entering directly onto a public road or street.
SB	SEDIMENT BARRIER	A temporary structure across a disturbed landscape that reduces down-slope sediment. Sediment barriers include silt fences, hay bales, sand matting, straw bales, and multi-made materials. Sediment barriers are placed to allow sediment to settle out of the water and stay on the construction site.
FIP	FABRIC DROP INLET PROTECTION	A small basin formed around a storm drain inlet to temporarily pond runoff water allowing suspended soil particles to settle out, thereby reducing sediment entering storm drains during construction.
MU	MULCHING	Applying straw or other suitable materials to cover the soil surface to protect against erosion.
TS	TEMPORARY SEEDING	Establishing a temporary fast-growing grass or legume on disturbed areas where vegetation cannot be established prior to final grading to provide permanent seed.
PS	PERMANENT STABILIZATION	Establishing a permanent vegetative cover for full stabilization and long-term erosion control by landscaping disturbed areas.
ECB	EROSION CONTROL BLANKET	A protective cover to aid in controlling erosion on construction sites.
OP	OUTLET PROTECTION	This practice is designed to prevent erosion at the outlet of a channel of runoff by reducing the velocity of flow and dissipating the energy.
CIP	CURB INLET PROTECTION	A sediment control barrier formed around a storm drain inlet, the use of woodiles to surround the opening.
SST	STRAW BALE SEDIMENT TRAP	A temporary catch basin constructed of a row or more of entangled and anchored straw bales used to intercept and catch small amounts of sediment from disturbed areas with small drainage basins.

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EROSION & SEDIMENT CONTROL PLAN
PASS CHRISTIAN SITE DEMOLITION AND SITE WORK
MISSISSIPPI DEPARTMENT OF MARINE RESOURCES
412 WEST BEACH BOULEVARD, PASS CHRISTIAN, MS

APPROVED BY: _____
DATE: 6/1/16
JOB NUMBER: 20160283
DRAWN BY: TJS
CHECKED BY: TJS

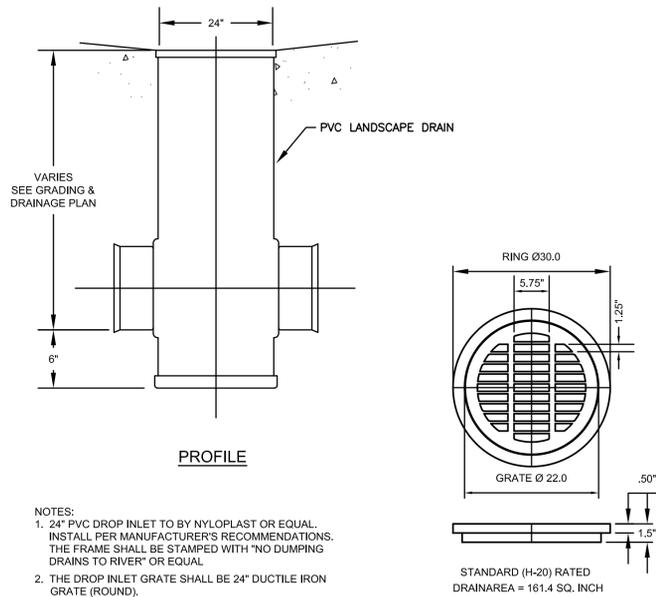


SHEET
C02
OF SHEETS



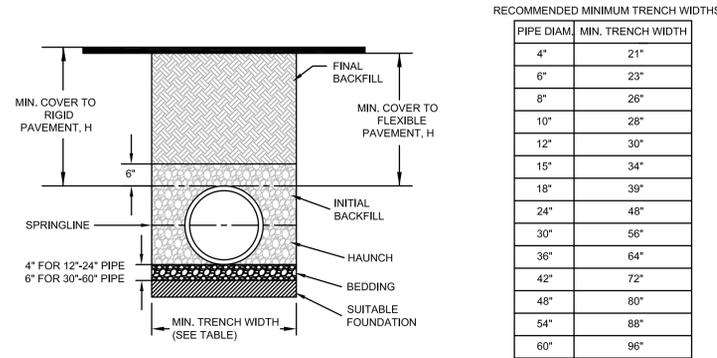
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AREA DRAIN

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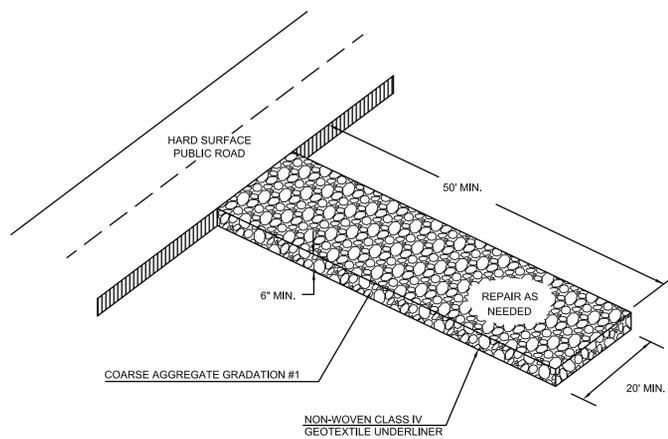


NOTES:

- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION
- MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
- FOUNDATION:** WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
- BEDDING:** SUITABLE MATERIAL SHALL BE CLASS I OR II. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-900mm).
- INITIAL BACKFILL:** SUITABLE MATERIAL SHALL BE CLASS I OR II IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
- MINIMUM COVER:** MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

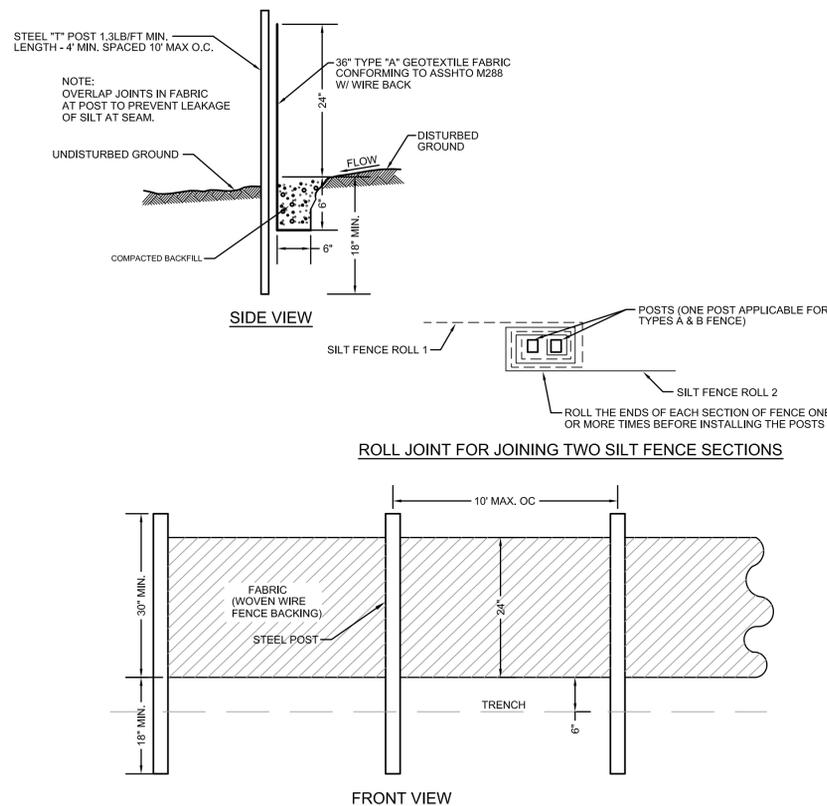
HDPE PIPE BEDDING DETAIL

SCALE: NTS



CEP CONSTRUCTION EXIT PAD

SCALE: NTS



SB SEDIMENT BARRIER

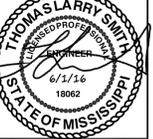
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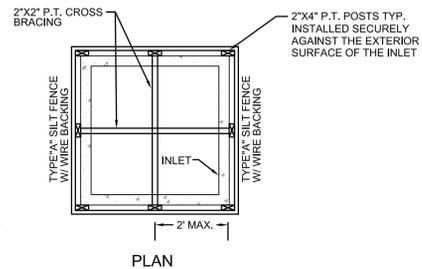
MATERIAL	RATE PER ACRE & (PER 1000 SF)	NOTES
STRAW WITH SEED	1 1/2 - 2 TONS (70 LBS-90 LBS)	SPREAD BY HAND OR MACHINE; ANCHOR WHEN SUBJECT TO BLOWING
STRAW ALONE (NO SEED)	2 1/2 - 3 TONS (115 LBS-160 LBS)	SPREAD BY HAND OR MACHINE; ANCHOR WHEN SUBJECT TO BLOWING
WOOD CHIPS	5-8 TONS (225 LBS-270 LBS)	TREAT WITH 12 LBS NITROGEN/TON
BARK	35 CUBIC YARDS (0.8 CUBIC YARDS)	CAN APPLY WITH MULCH BLOWER
PINE STRAW	1-2 TONS (45 LBS-90 LBS)	SPREAD BY HAND OR MACHINE; WILL NOT BLOW LIKE STRAW
PEANUT HULLS	10-20 TONS (450 LBS-900 LBS)	WILL WASH OFF SLOPES. TREAT WITH 12 LBS NITROGEN/TON

MU MULCHING

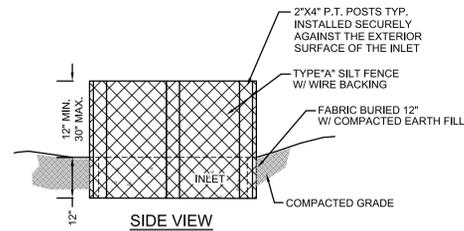
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DATE	DATE	DATE
20160283	6/1/16	6/1/16
DESIGNED BY	DRAWN BY	CHECKED BY
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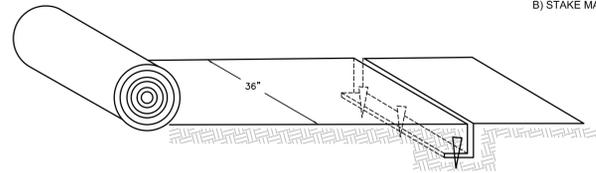
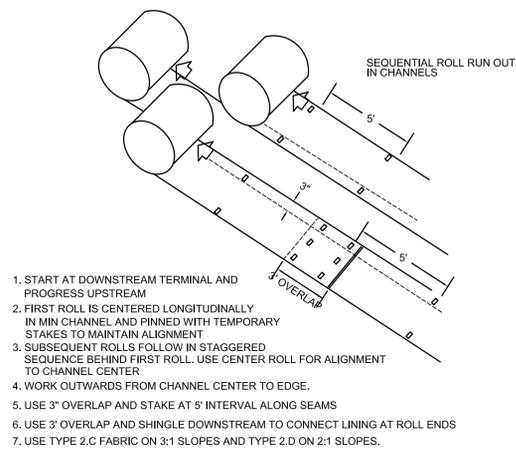


1. THE SEDIMENT BOX TO BE MADE OF 2"x4" P.T. BOARDS
2. THE MAX. POST SPACING IS 2'
3. FRAME TO BE WRAPPED WITH WIRE BACKED SILT FENCE & NAILED TO THE FRAME @ 6" O.C.

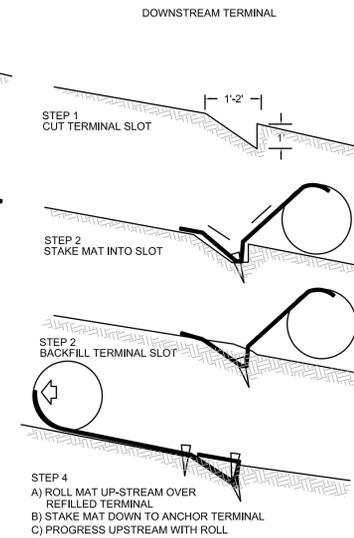
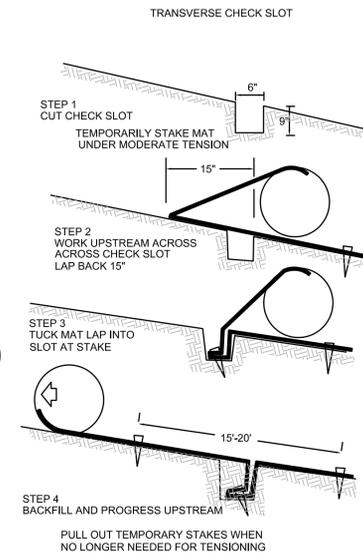
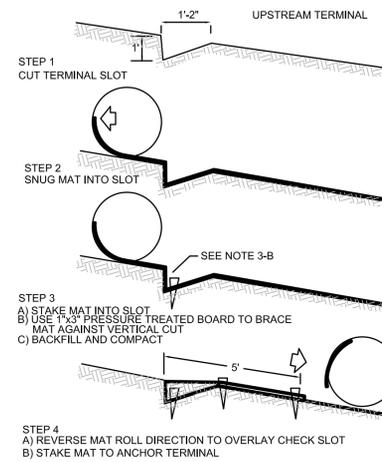


FIP FABRIC DROP INLET PROTECTION

SCALE: NTS



PICTORIAL VIEW OF TRANSVERSE SLOT



Erosion Control Matting Maintenance Note:
All erosion control blankets and matting should be inspected periodically following installation, particularly after rainstorms to check for erosion and undermining. Any dislocation or failure should be repaired immediately. If washouts or breakage occurs, reinstall the material after repairing damage to the slope or ditch. Continue to monitor these areas until they become permanently stabilized.

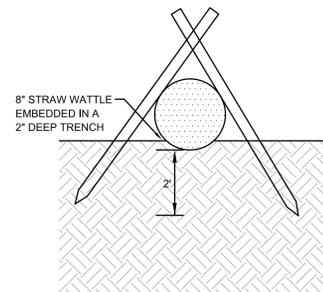
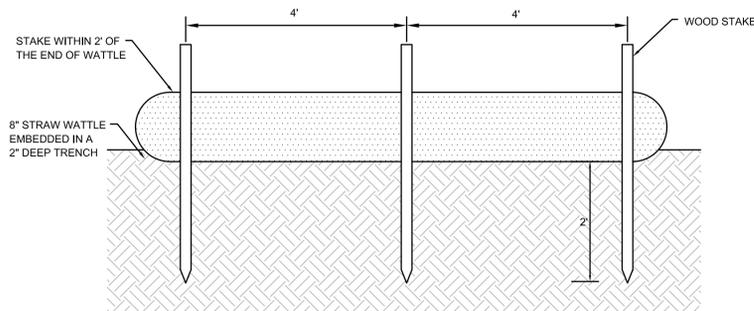
ECB EROSION CONTROL BLANKET

SCALE: NTS

SPECIES	SEEDING RATE/ACRE	PLANTING TIME	DESIRED pH RANGE	FERTILIZATION RATE/ACRE	METHOD OF ESTABLISHMENT	ZONE OF ADAPTABILITY
*WHEAT	90 LBS. ALONE	9/1 - 11/30	6.0 - 7.0	600 LBS. 13-13-13	SEED	ALL
*RYEGRASS	30 LBS.	9/1 - 11/30	6.0 - 7.0	600 LBS. 13-13-13	SEED	ALL
*WHITE CLOVER	5 LBS.	9/1 - 11/30	6.0 - 7.0	400 LBS. 6-24-24	SEED	ALL
*CRIMSON CLOVER	25 LBS. ALONE 15 LBS. MIXTURE	9/1 - 11/30	6.0 - 7.0	400 LBS. 6-24-24	SEED	ALL
*HAIRY VETCH	30 LBS.	9/1 - 11/30	6.0 - 7.0	400 LBS. 6-24-24	SEED	ALL
*BROWNTOP MILLET	40 LBS. ALONE 15 LBS. MIXTURE	4/1 - 8/30	6.0 - 7.0	600 LBS. 13-13-13	SEED	ALL

TS TEMPORARY SEEDING

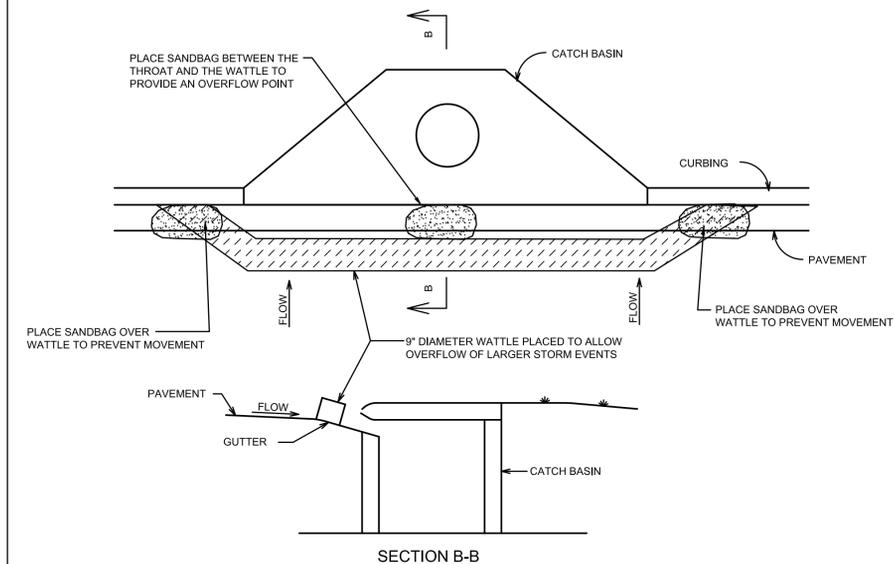
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CROSS SECTION

CHECK DAM (WATTLE)

SCALE: NTS



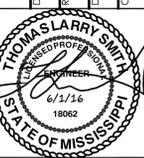
SECTION B-B

CIP CURB INLET PROTECTION

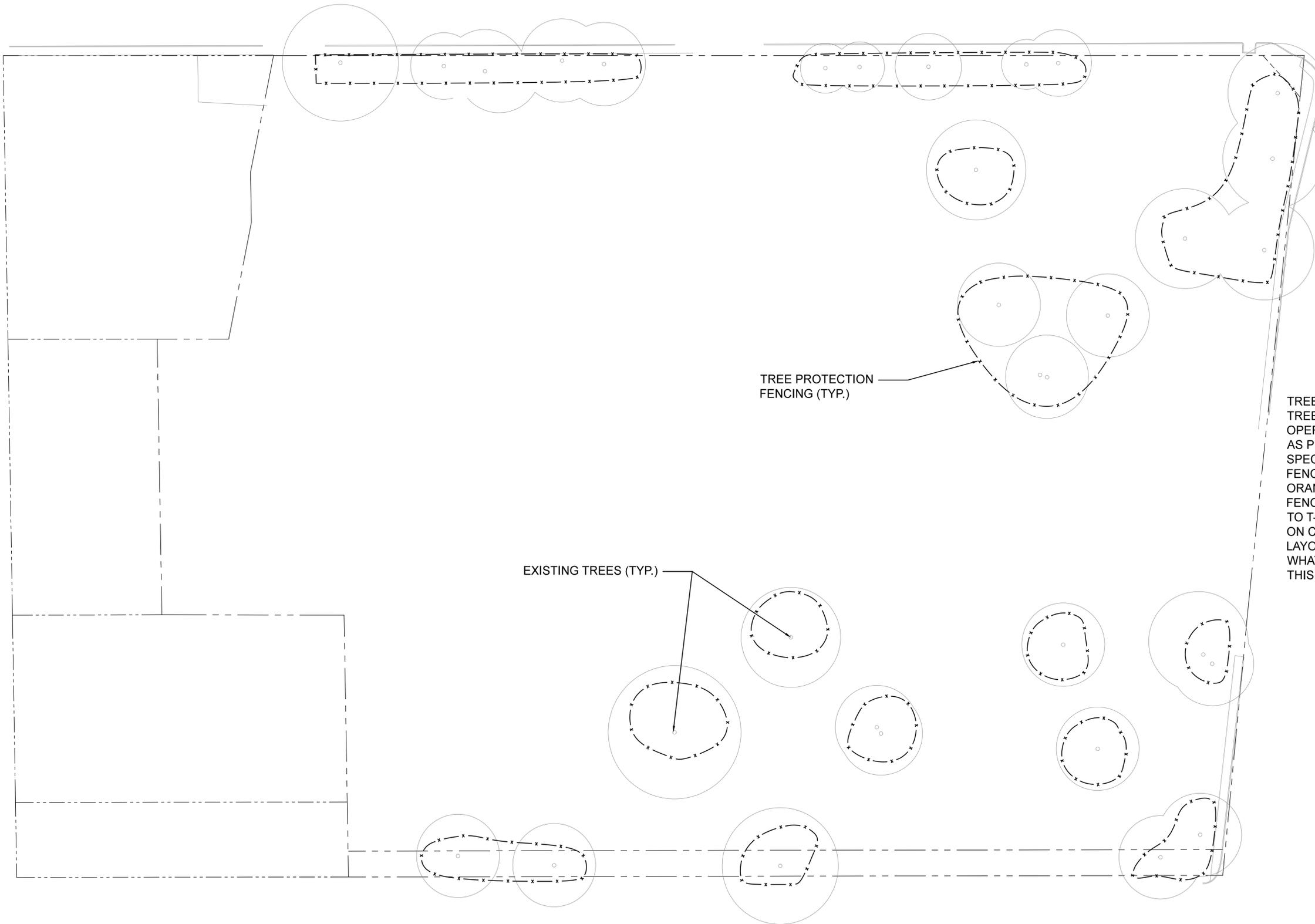
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DESIGNED BY	DRAWN BY	CHECKED BY
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	TS	TS



HENDERSON AVENUE



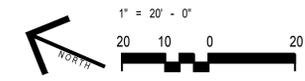
TREE PROTECTION FENCING (TYP.)

EXISTING TREES (TYP.)

TREE PROTECTION:
 TREE PROTECTION OPERATIONS SHALL BE AS PER THE PROJECT SPECIFICATIONS. THE FENCING SHALL BE ORANGE COPOLYMER FENCING ATTACHED TO T-POSTS EVERY 6-8' ON CENTER IN A LAYOUT SIMILAR TO WHAT IS DEPICTED ON THIS SHEET.

BEACH BOULEVARD / U. S. HIGHWAY 90

CLARENCE AVENUE



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TREE PROTECTION PLAN

PASS CHRISTIAN SITE DEMOLITION AND SITE WORK
 MISSISSIPPI DEPARTMENT OF MARINE RESOURCES
 412 WEST BEACH BOULEVARD, PASS CHRISTIAN, MS

APPROVED BY	DATE
APPROVED BY	JUNE 1, 2016
APPROVED BY	DATE
APPROVED BY	DATE



NOTE:
IF CONCRETE APRON LAYOUT
CONFLICTS WITH EXISTING
POWER POLE, CONTRACTOR
SHALL PROPOSE ADJUSTMENTS
TO LANDSCAPE ARCHITECT IN
THE FIELD FOR APPROVAL.

DEMO. EXISTING CURB AS
REQUIRED TO INSTALL APRON.
REPAIR ANY DAMAGE TO
STREET. (TYP.)

WATER VALVE MAY HAVE TO
HAVE TO BE RELOCATED OR
HAVE APPROPRIATE VEHICULAR
COVERING AS APPROVED BY
THE CITY. CONTRACTOR SHALL
EVALUATE PRIOR TO
SUBMITTING BID, AND INCLUDE
IN PRICING FOR PARKING AREA.

EDUCATIONAL SIGN (TYP.)
SEE DTL. 2, SHEET H1.4

ADA RAMP - REF.
DTL. 8, SHEET H1.2

SIGN - SEE DTL. 1, SHEET H1.4
FINAL POSITIONING OF SIGN
SHALL BE APPROVED BY
LANDSCAPE ARCHITECT IN THE
FIELD

4'x4' CONCRETE
TRASH CAN PAD

HENDERSON AVENUE

EXISTING SIDEWALK
EXISTING TREE (TYP.)

CONCRETE APRON (TYP.)

6"x6" TREATED
WOODEN BOLLARD
(TYP.)- REF. DTL. 5, H1.3

SIGN - SEE DTL. 1, SHEET H1.4
FINAL POSITIONING OF SIGN
SHALL BE APPROVED BY
LANDSCAPE ARCHITECT IN THE
FIELD

PARKING
DRIVEWAY
PARKING

PARKING

DRIVEWAY

PARKING

PAINT STRIPING AND
SYMBOLS ON ADA SPACES
AND ISLE AS APPROVED BY
MDOT STANDARDS.

2 ADA SIGNS ON GALVANIZED
POST AS REQUIRED BY ADA
REGULATIONS

ED.
SIGN

ADA RAMP (TYP.)-
REF. DTL. 6 & 7, H1.2

4'x4' CONCRETE
TRASH CAN PAD

CONCRETE PATH, TYP.

MEADOW

SOD

SOD

FLAG POLE - REF. DTL 2, H1.3

BRICK PAVERS W/
DOUBLE ROW LOCK
BORDER AND 12"
CONCRETE BORDER

SOD

MEADOW

MEADOW

SOD

BENCH & RECEPTACLE
PAD (TYP.)

WATER FOUNTAIN &
CONCRETE PAD (TYP.)-
REF. SHEET U1.0

MEADOW

SOD

MEADOW

SOD

ED. SIGN

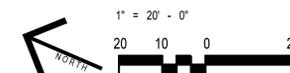
4'x4' CONCRETE
TRASH CAN PAD

CLARENCE AVENUE

32-6"x6" TREATED WOODEN
BOLLARD 6' O/C (TYP.)- REF.
DTL. 5, H1.3

MAINTENANCE ACCESS AREA

BEACH BOULEVARD / U. S. HIGHWAY 90



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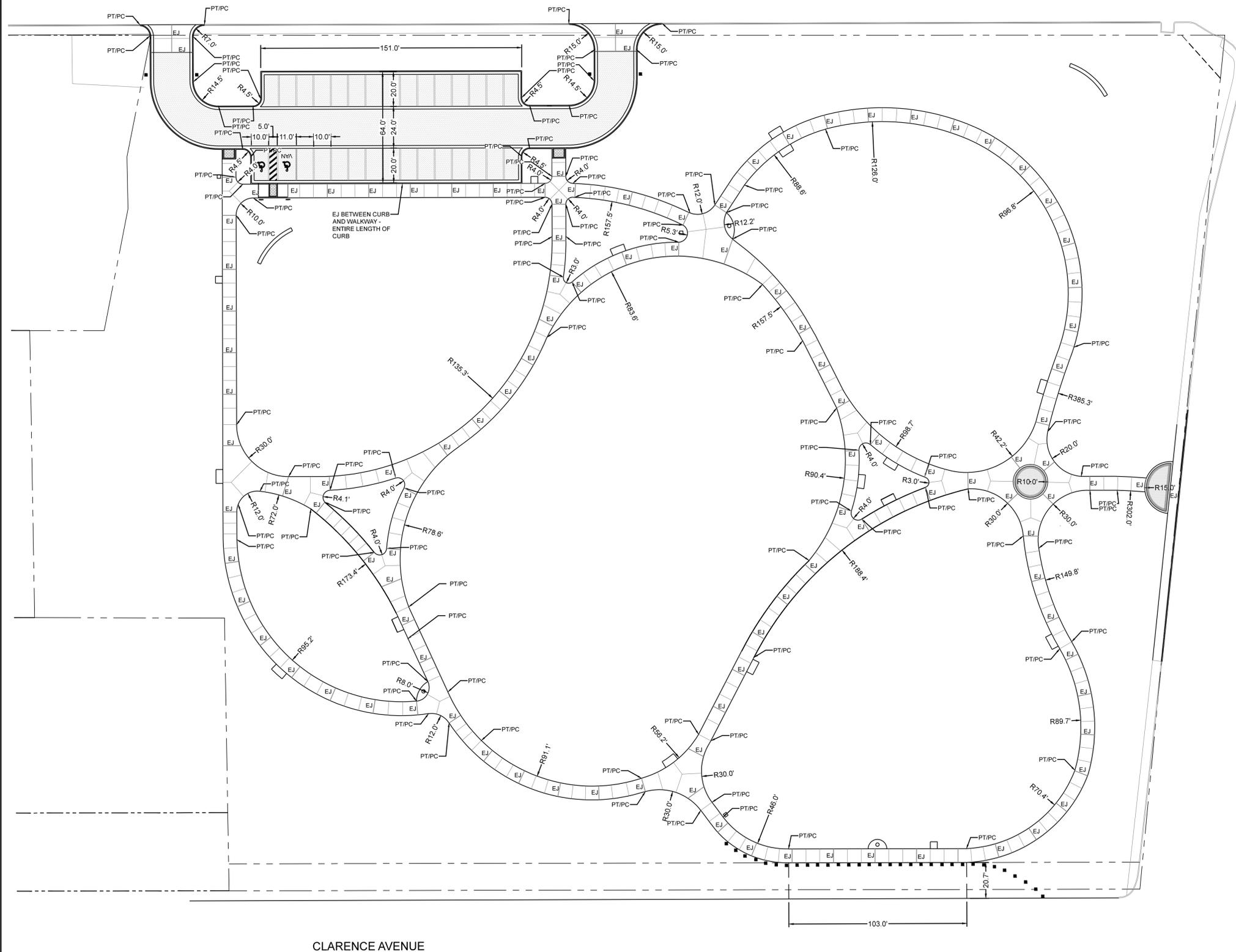
HARDSCAPE PLAN

PASS CHRISTIAN SITE DEMOLITION AND SITE WORK
MISSISSIPPI DEPARTMENT OF MARINE RESOURCES
412 WEST BEACH BOULEVARD, PASS CHRISTIAN, MS

APPROVED BY	DATE
APPROVED BY	JUNE 1, 2016
APPROVED BY	DATE
APPROVED BY	DATE
APPROVED BY	DATE

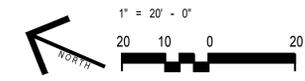


SHEET
H1.0
OF SHEETS



GENERAL LAYOUT NOTES

- PROVIDE PAVING, WALLS, DRAIN INLETS, FRENCH DRAINS, STEPS, CURBS, SLEEVING, AND ANY GRADING OR EARTHWORK REQUIRED.
- ALL DIMENSIONS AND DEGREES ARE APPROXIMATE AND SUBJECT TO CHANGE WITH THE LANDSCAPE ARCHITECT'S APPROVAL.
- ALL ANGLES ARE 90 DEGREES UNLESS NOTED OTHERWISE.
- ALL HARDSCAPE ELEMENTS ARE TO BE STAKED IN THE FIELD BY CONTRACTOR FOR APPROVAL BY THE OWNER BEFORE BEGINNING CONSTRUCTION.
- 24 HOURS NOTICE IS REQUIRED BY THE CONTRACTOR TO NOTIFY THE OWNER.
- THE CONTRACTOR WILL NOT MAKE CHANGES IN THE FIELD WITHOUT NOTIFYING THE OWNER.
- SHOULD THE CONTRACTOR FIND ANY DISCREPANCIES, NOTIFY THE LANDSCAPE ARCHITECT AND THE OWNER PRIOR TO CONSTRUCTION.
- THE CONTRACTOR WILL LOCATE ANY UTILITIES IN THE FIELD AND BE RESPONSIBLE FOR ANY DAMAGE DONE TO THEM OR ANY OTHER EXISTING STRUCTURES ON THE SITE.
- THE CONTRACTOR IS TO SUBMIT SAMPLES FOR APPROVAL AS REQUESTED BY THE LANDSCAPE ARCHITECT OR OWNER.
- LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR JOB SAFETY OR FOR THE MEANS AND METHODS OR APPROPRIATENESS OF THE INSTALLATION PROCEDURES.
- CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND ADHERING TO ORDINANCES CONCERNING THIS WORK AND COMPLYING WITH SAFETY.

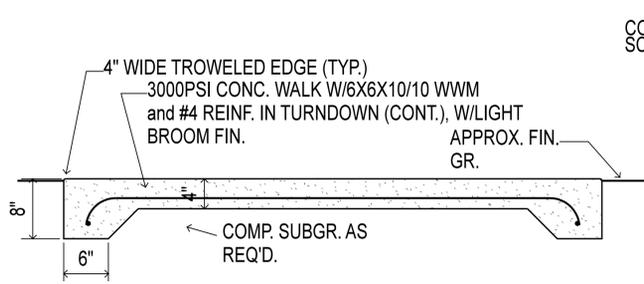


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JOB NUMBER 2014-13	DATE JUNE 1, 2016
REVIEWED BY COP	CHECKED BY CHP



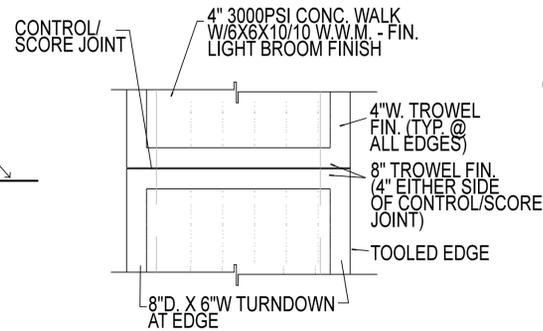
SHEET



NOTE: CONC. INFO SHOWN HERE TYPICAL FOR ALL CONCRETE WALKS

1. CONCRETE WALK SECTION

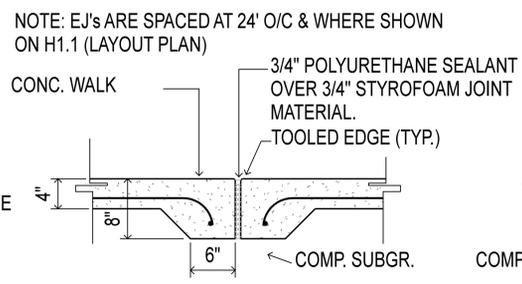
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PLAN VIEW

2. CONCRETE WALK

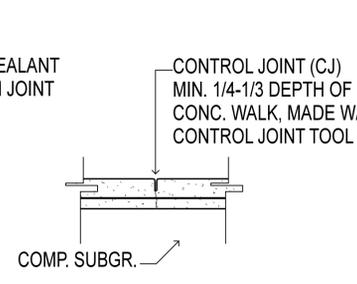
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SECTION

3. EXPANSION JOINT

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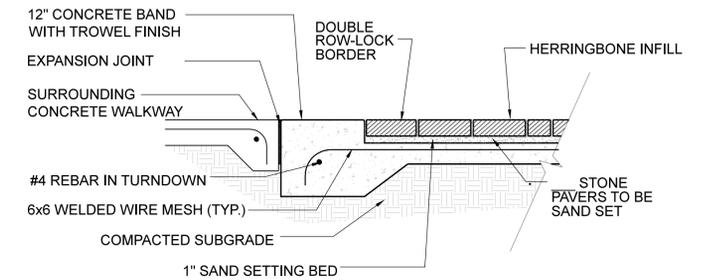


SECTION

4. CONTROL JOINT

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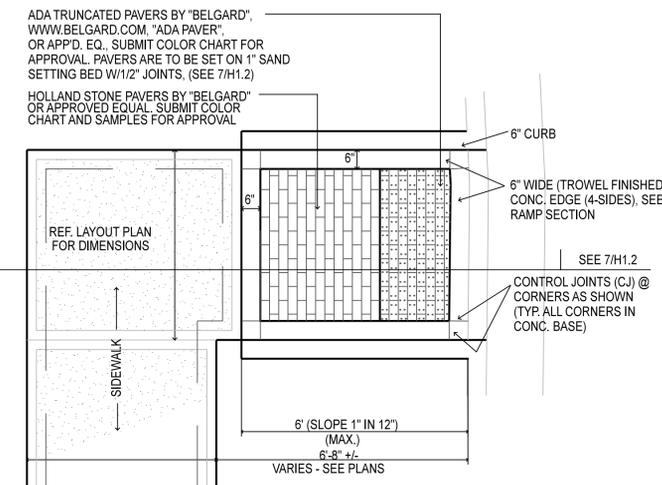
NOTE: CONTRACTOR TO SUBMIT MOCK-UP PAVER PATTERN FOR OWNER AND OWNER'S REPRESENTATIVE'S APPROVAL



SECTION

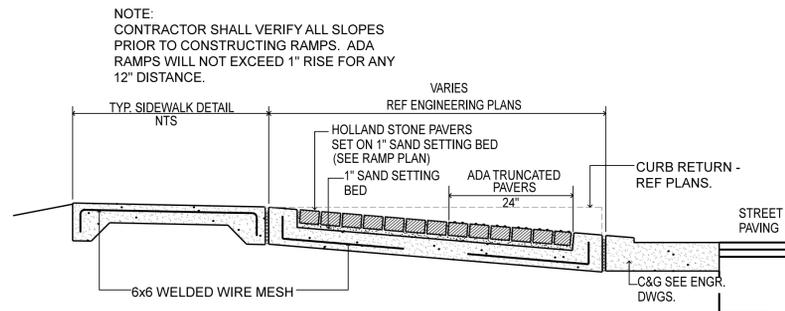
5. PAVERS AT FLAG POLE & ENTRY PLAZAS

NTS



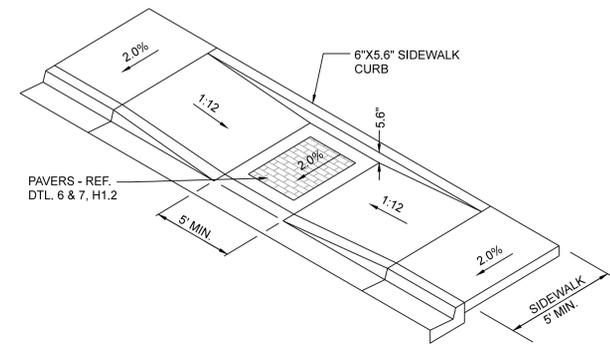
6. WALK & RAMP PLAN

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7. WALK & RAMP SECTION

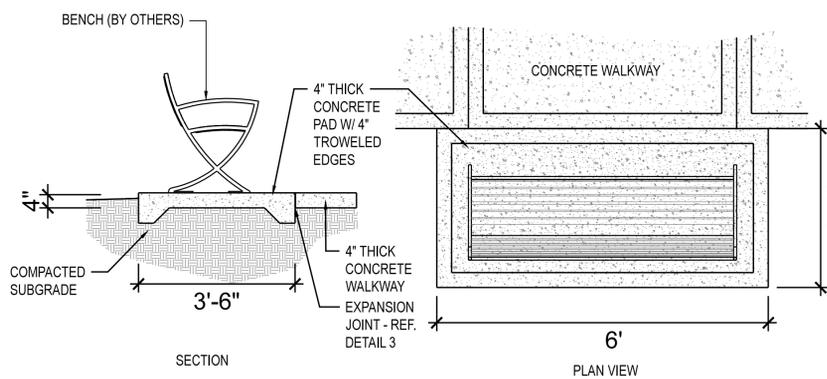
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1. CONCRETE TO BE FINISHED WITH TAMPS, WOOD FLOATS AND STIFF BRISTLE BROOMS.
2. 1/2" EXPANSION JOINTS SHALL BE PLACED WHERE SIDEWALKS TIE IN TO A STRUCTURE OR TERMINATE AT CURB, RAMPS OR DRIVEWAYS.
3. TRUNCATED PAVERS TO BE PLACED PER ADA REQUIREMENTS. REF. DETAILS 6 & 7, H1.2

8. WALK & RAMP SECTION

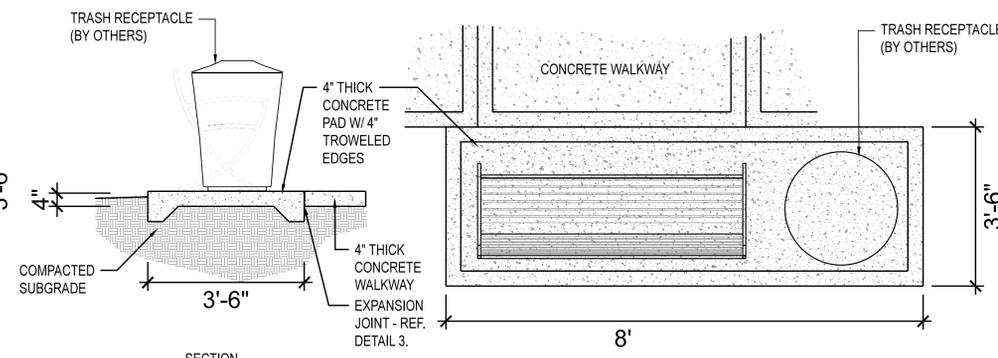
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SECTION

9. BENCH PAD DETAIL "A"

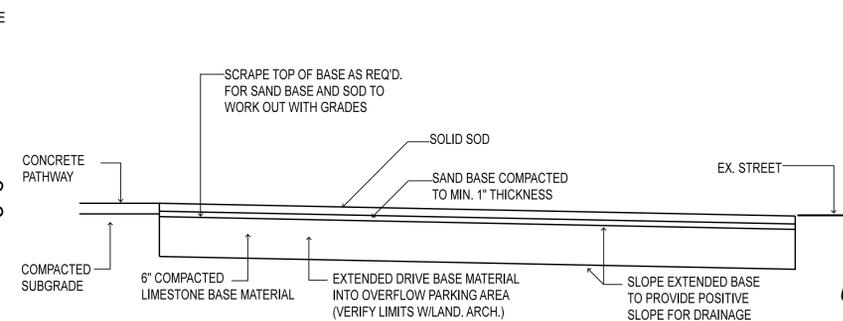
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SECTION

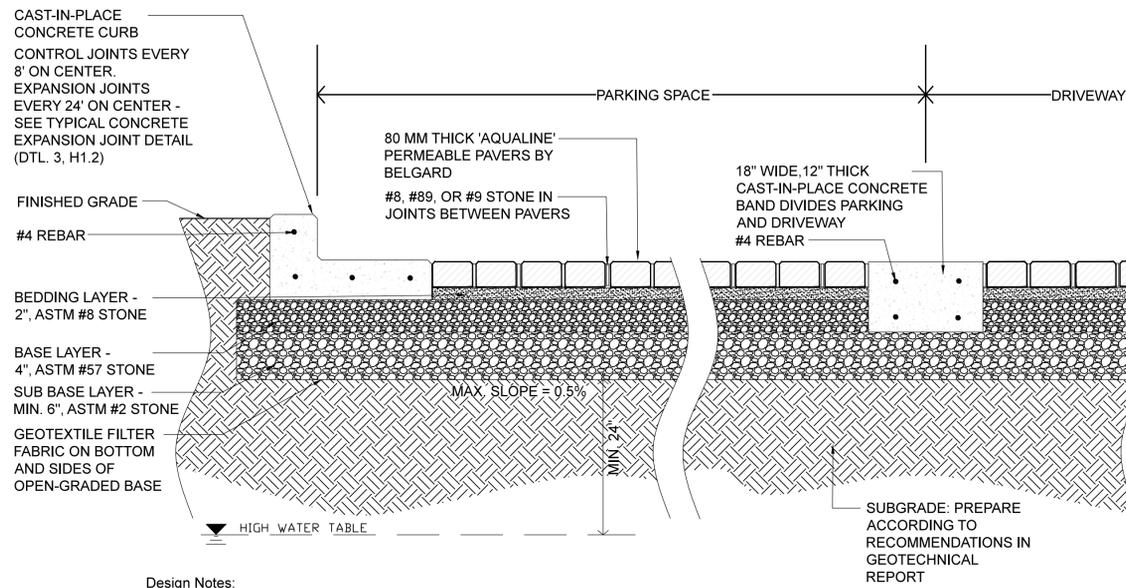
10. BENCH PAD DETAIL "B"

NTS



11. MAINTENANCE ACCESS AREA

NTS

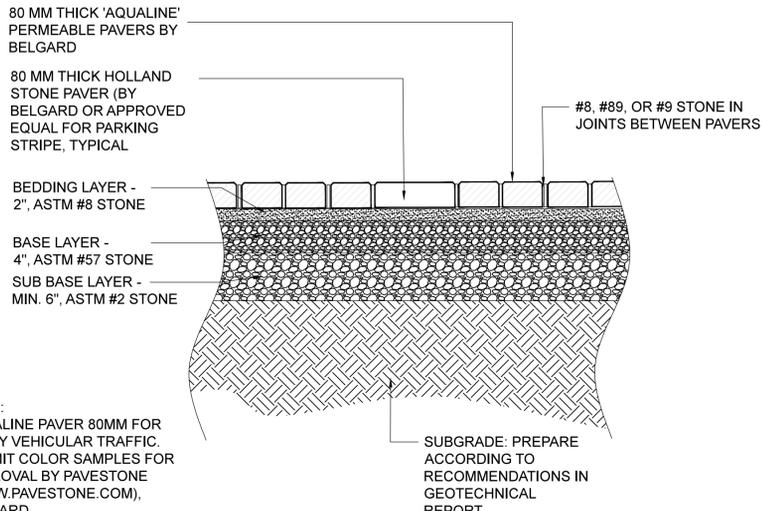


Design Notes:

1. Depth of subbase subject to site specific hydraulic and structural requirements. Contact Oldcastle Architectural for design assistance.
2. Paver dimensions subject to aspect and plan ratio requirements based on traffic loading.
3. Geotechnical engineer needs to balance structural stability and soil infiltration when recommending subgrade conditions.
4. Where the filtration geotextile is used, verify with the manufacturer that the material is not subject to clogging and meets requirements of AASHTO M-288.
5. ASTM No. 2 stone may be substituted with No. 3 or No. 4 stone.

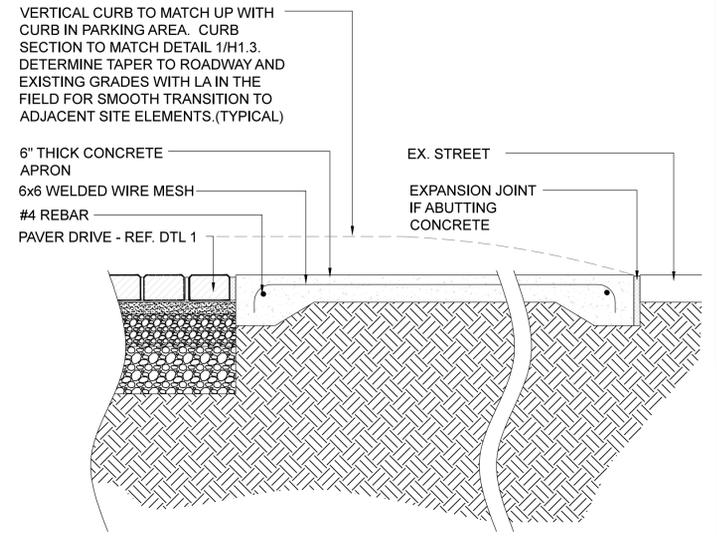
1. DRIVEWAY AND PARKING SECTION

NTS



2. PAVER PARKING STRIPE

NTS



3. CONCRETE APRON

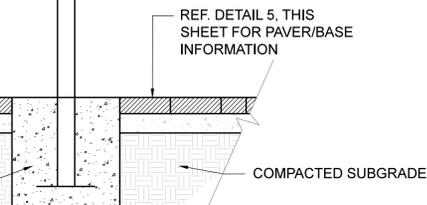
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NOTE: CONTRACTOR SHALL INCLUDE THE APPROPRIATE SIZED AMERICAN FLAG FOR A 35 FOOT POLE, PER MANUFACTURER'S RECOMMENDATIONS, AS WELL AS ALL PARTS AND PIECES TO MAKE THE FLAG SYSTEM WORK PROPERLY.

35' ALUMINUM FLAG POLE FROM AMERICAN FLAG POLE INC. 150 MPH WIND LOAD, OR APPROVED EQUAL - SUBMIT SHOP DRAWINGS FOR APPROVAL. INSTALL FLAG POLE AND FOUNDATION PER MANUFACTURER'S SPECIFICATIONS.

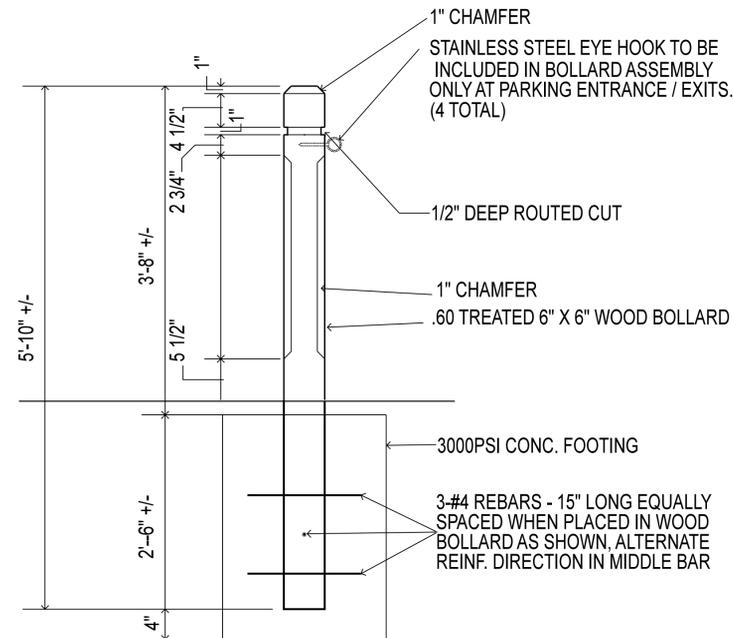
REF. DETAIL 5, THIS SHEET FOR PAVER/BASE INFORMATION

CONCRETE FOOTING TO BE SIZED AND DESIGNED BY MANUFACTURER - SUBMIT SHOP DRAWINGS FOR APPROVAL



4. FLAG POLE FOUNDATION

NTS



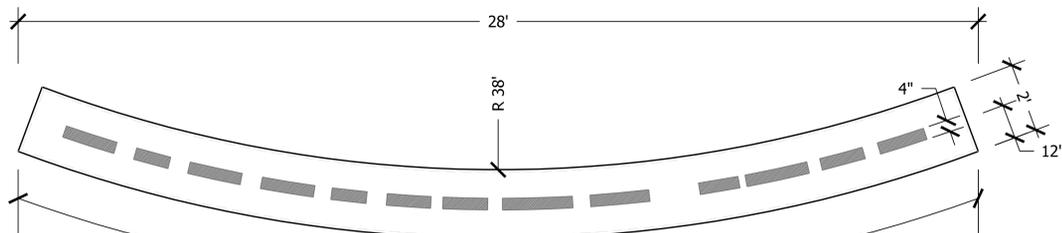
5. WOODEN BOLLARD

NTS

APPROVED BY	APPROVED BY	APPROVED BY

JOB NUMBER 2014-13	DATE JUNE 1, 2016	DESIGNED BY COP	CHECKED BY CHP
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2' HT. 4" THICK ALUMINUM LETTERING WITH BRONZE FINISH BY EAST BEACH SPECIALTIES, OR APPROVED EQUAL CONTACT LEAH SNYDER PH: 228-875-1099

MOUNT LETTERS TO CONCRETE ACCORDING TO MANUFACTURER'S SPECIFICATIONS
2' WIDE 3500 PSI CONCRETE WALL
1.5" CHAMFER
RUBBED FINISH ON ALL EXPOSED CONCRETE

HENDERSON PARK

FINISHED GRADE
15" CONCRETE FOOTING
EXISTING SUBGRADE

PLAN

ELEVATION

MOUNT LETTERS TO CONCRETE ACCORDING TO MANUFACTURER'S SPECIFICATIONS
#4 REBAR @ 18" O/C
#4 REBAR @ 8" O/C

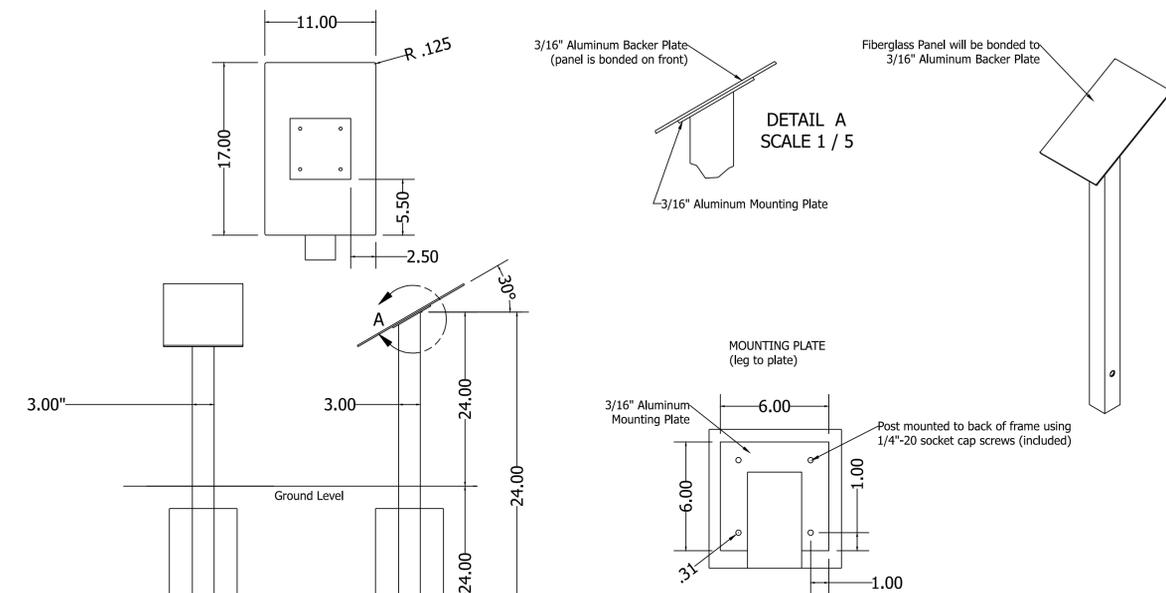
FINISHED GRADE
#4 REBAR @ 8" O/C
15" TH. CONCRETE FOOTING
EXISTING SUBGRADE

NOTE: HEIGHT ABOVE GRADE TO BE DETERMINED IN FIELD BY LANDSCAPE ARCHITECT

SECTION

1. MONUMENT SIGNAGE

NTS



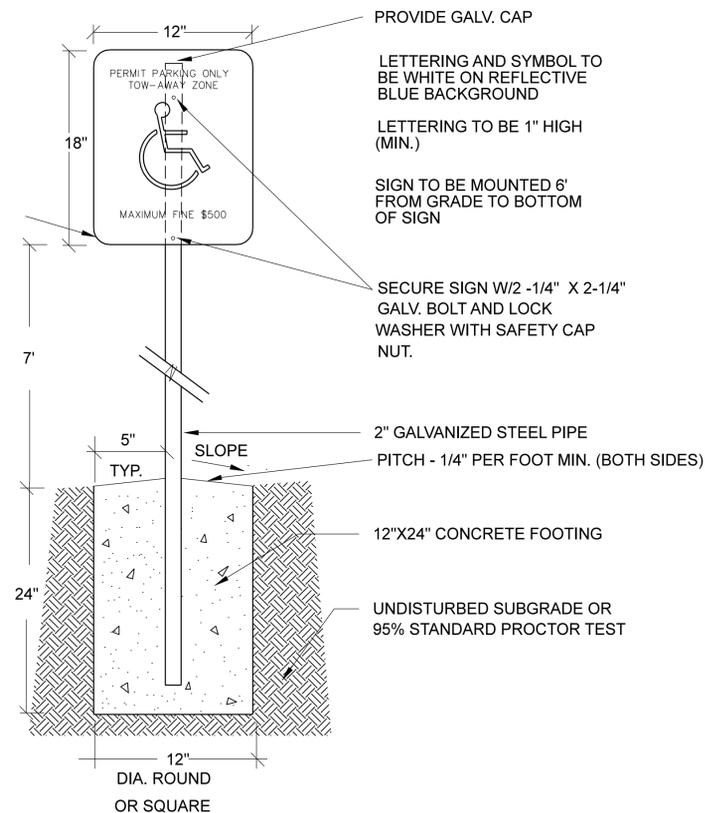
SIGN MANUFACTURING BY "PANNIER GRAPHICS",
www.panniergraphics.com, ph. 800.544.8428
Contact Person: Robin Haddeaus
OR APPROVED EQUAL

SIGN ARTWORK TO BE PROVIDED BY LANDSCAPE ARCHITECT

SUBMIT SHOP DRAWINGS AND COLOR SAMPLES FOR APPROVAL

2. 11x17 EDUCATIONAL SIGNAGE (3 REQUIRED)

NTS



3. ADA PARKING SIGNAGE

NTS

HENDERSON AVENUE

HYDROSEED MEADOW AREAS WITH AN APPROVED SOUTHEASTERN GRASS MIX, TALL GRASS MIX, AND WILDFLOWER MIX FROM SEEDLAND.COM OR APPROVED EQUAL. SUBMIT CUT SHEETS FOR APPROVAL. SEED TO BE APPLIED TO "PROFILE" - JET SPRAY FIBER MULCH WITH TACKIFIER (OR APPROVED EQUAL). APPLY PER MANUFACTURER'S RECOMMENDATIONS FOR VARIOUS SLOPES. APPLY PINE STRAW IN ALL SEEDED AREAS.

- 207-DWF PARSONS JUNIPER
- 100-SM CORDGRASS
- 50-DWF PALMETTO
- 98-CORAL DRIFT ROSE

- 148-CORAL DRIFT ROSE
- 59-DWF PARSONS JUNIPER
- 1-WILLOW OAK

1-LIVE OAK

- 28-TUSCAN BLUE ROSEMARY
- 30-CORAL DRIFT ROSE

- 59-DWF PARSONS JUNIPER
- 81-DWF PARSONS JUNIPER
- 31-DWF WAXMYRTLE
- 6-OLEANDER
- 46-HENRY'S GARNET SWEETSPIRE
- 1-WILLOW OAK
- 32-DWF PALMETTO
- 41-SAND CORDGRASS
- 3-BALD CYPRESS

- 3-LONG LEAF PINE
- 103-DWF WAXMYRTLE
- 2-SOUTHERN MAGNOLIA

5-LONG LEAF PINE

85-DWF PALMETTO

- 1-BALD CYPRESS
- 1-SOUTHERN MAGNOLIA

7,479 SF-MEADOW GRASS & WILDFLOWER MIX

3-LONG LEAF PINE

- 1-LIVE OAK
- 1-LIVE OAK
- 5,213 SF-MEADOW GRASS & WILDFLOWER MIX
- 1-LIVE OAK
- 3-SOUTHERN MAGNOLIA

GRASS AND WILDFLOWER MIX

SEED MIXES BELOW ARE TO BE SEEDED PER SEEDING NOTE DESCRIBED ON THIS SHEET. CONTRACTOR SHALL APPLY TRIDENT ROOT ZONE HUMUS FERTILIZER AFTER SEED MIXES HAVE BEEN APPLIED. CONTRACTOR TO SEED AT SUPPLIER'S RECOMMENDED RATES AND SHALL REAPPLY AS MANY TIMES AS REQUIRED IN ORDER THAT NOTICEABLE VEGETATION IS ESTABLISHED IN ORDER FOR THE PROJECT TO BE DEEMED SUBSTANTIALLY COMPLETE. FROM SEEDLAND.COM OR APPROVED EQUAL.

- TALL GRASS MIX**
 TIME TO ESTABLISH: APPROXIMATELY THREE MONTHS
- BIG BLUESTEM
 - INDIAN GRASS
 - LITTLE BLUESTEM
 - SWITCHGRASS

- SOUTHEAST GRASS MIX**
 TIME TO ESTABLISH: APPROXIMATELY THREE MONTHS
- VIRGINIA WILD RYE
 - BROOMSEDGE
 - PURPLETOP

- WILDFLOWER MIX**
 TIME TO ESTABLISH: APPROXIMATELY THREE TO FOUR MONTHS
- NEW ENGLAND ASTER
 - BROWN-EYED SUSAN
 - PURPLE CONEFLOWER
 - LANCE-LEAVED COREOPSIS
 - SCARLET SAGE
 - GUARA
 - GAYFEATHER
 - LEAVENWORTH'S TICKSEED
 - LEMON MINT
 - RATTLESNAKE MASTER
 - SCARLET SAGE
 - CLASPING CONEFLOWER
 - PLAINS COREOPSIS
 - GAILLARDIA
 - BUTTERFLY MILKWEED
 - GILIA
 - LUPINE

CLARENCE AVENUE

EXISTING TREE (TYP.)

9,768 SF-MEADOW GRASS & WILDFLOWER MIX

15,465 SF-MEADOW GRASS & WILDFLOWER MIX

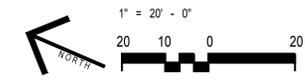
- 70-SAND CORDGRASS
- 1-WILLOW OAK
- 74-DWF PALMETTO
- EXISTING TREE (TYP.)

38-TUSCAN BLUE ROSEMARY

92-CORAL DRIFT ROSE

18,203 SF-MEADOW GRASS & WILDFLOWER MIX

16,191 SF-MEADOW GRASS & WILDFLOWER MIX



CHRISTIANPREUS
 Landscape Architecture

Ocean Springs, Mississippi Fairhope, Alabama P 855.539.5086 F 855.539.5086

628 WASHINGTON AVENUE, SUITE C
 OCEAN SPRINGS, MS 39564
 PHONE: (228) 742-1975 FAX: (228) 749-9545
 EMAIL: CONTRACTOR@ALLREDARCHITECTURALGROUP.COM

allred
 ARCHITECTURAL
 GROUP

LANDSCAPE PLAN

LANDSCAPE PLAN

PASS CHRISTIAN SITE DEMOLITION AND SITE WORK
 MISSISSIPPI DEPARTMENT OF MARINE RESOURCES
 412 WEST BEACH BOULEVARD, PASS CHRISTIAN, MS

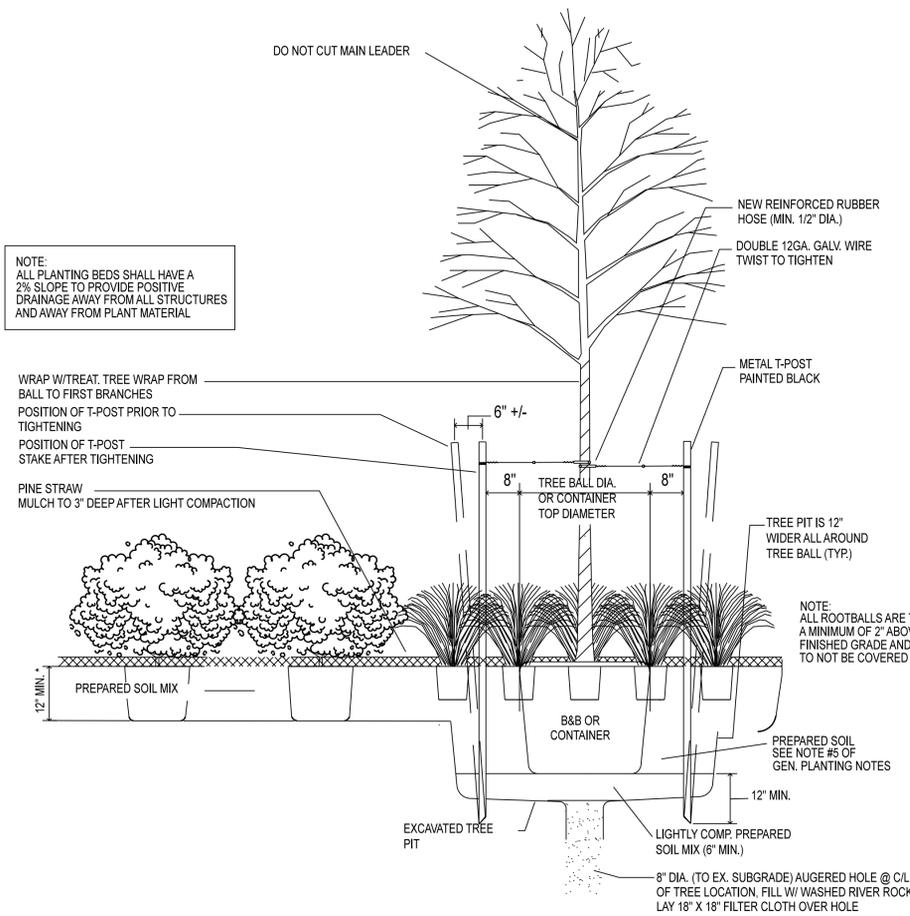
APPROVED BY	APPROVED BY	APPROVED BY
DATE	DATE	DATE
2014-13	JUNE 1, 2016	
DESIGNED BY	DRAWN BY	CHECKED BY
CHP	CHP	CHP



SHEET

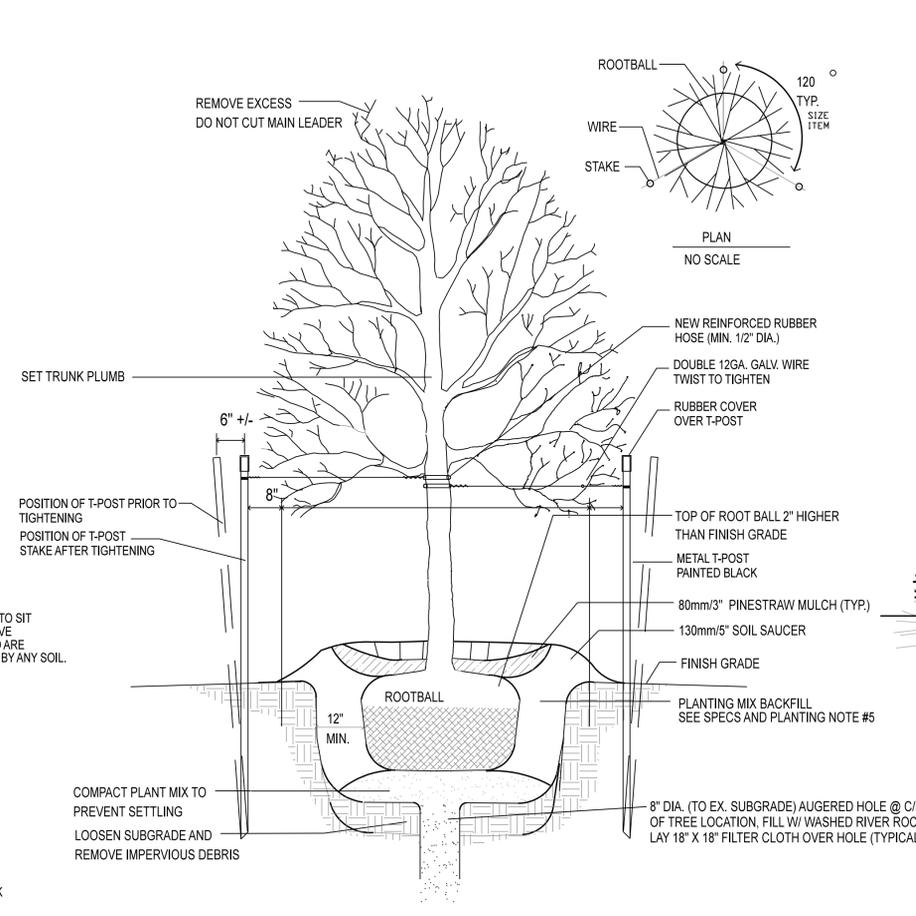
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OF SHEETS



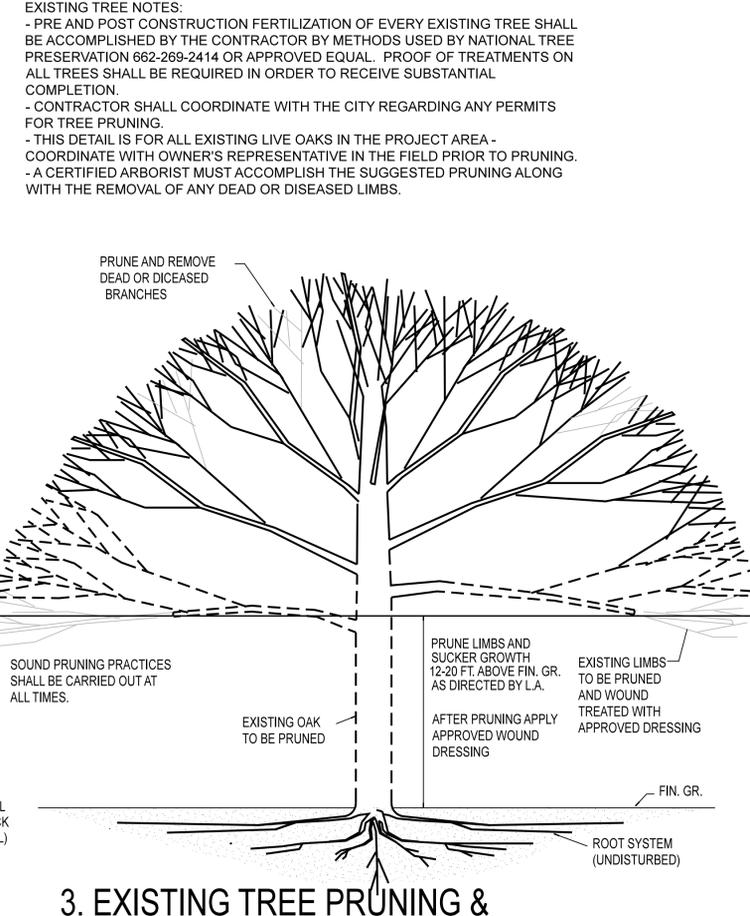
1. TYPICAL PLANTING SECTION IN BED AREAS

NTS



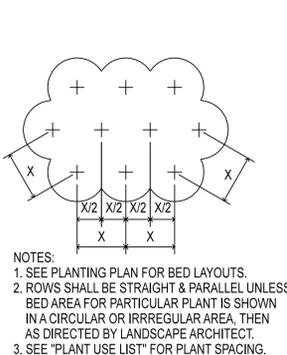
2. DETAIL TYPICAL TREE PLANTING AND GUYING IN LAWN

NTS



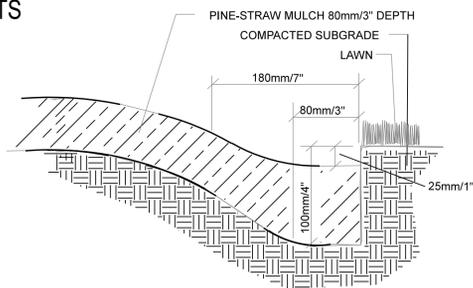
3. EXISTING TREE PRUNING & FERTILIZATION DETAIL

NTS



4. PLANT SPACING DETAIL

NTS



5. TRENCH EDGE DETAIL FOR BED AREAS

NTS

GENERAL PLANTING NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR THE SITE INSPECTION PRIOR TO LANDSCAPE CONSTRUCTION IN ORDER TO ACQUAINT HIMSELF/HERSELF WITH EXISTING CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES BEFORE BEGINNING CONSTRUCTION.
- CONTRACTOR SHALL VERIFY PLANT QUANTITIES FROM THE PLAN AND REPORT DIFFERENCES TO THE OWNER'S REPRESENTATIVE FOR ADJUSTMENTS.
- ALL PLANT MATERIALS ARE SUBJECT TO APPROVAL OR REFUSAL BY THE OWNER'S REPRESENTATIVE AT THE JOB SITE.
- CONTRACTOR SHALL LAYOUT ALL PLANT MATERIAL FOR REVIEW BY OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANTING. A MINIMUM 48 HOURS NOTICE SHOULD BE GIVEN AND ANTICIPATED BY THE CONTRACTOR FOR THIS REVIEW.
- CONTRACTOR SHALL AMEND ALL PLANTING AREAS WITH 50% APPROVED ORGANIC MATERIAL, 25% TOPSOIL, AND 25% SAND. PROPER DRAINAGE SHALL BE OBTAINED IN ALL AREAS. DO NOT BACK FILL HOLES WITH EXISTING SUBGRADE.
- PLANTS SHALL BE WELL FORMED, VIGOROUS, GROWING SPECIMENS WITH GROWTH TYPICAL OF VARIETIES SPECIFIED AND SHALL BE FREE FROM INJURY, INSECTS AND DISEASES. PLANTS SHALL EQUAL OR SURPASS QUALITY AS DEFINED IN THE CURRENT ISSUE OF NURSERY "AMERICAN STANDARDS FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN NURSERYMEN, INC.
- ALL PLANT MATERIAL SHALL BE BALLED AND BURLAPPED OR CONTAINER GROWN UNLESS OTHERWISE SPECIFIED.
- ALL PLANTING PITS SHALL BE DOUBLE THE SIZE OF THE ROOT BALL OR CONTAINER.
- PROVIDE A WATER PERCOLATION TEST FOR ALL TREE PITS. FILL EACH TREE PIT WITH WATER. IF THE WATER DOES NOT PERCOLATE OUT WITHIN 12 HOURS, PROVIDE TREE PIT DRAINAGE. AUGER A 8" DIAMETER HOLE 36" DOWN AT THE BOTTOM OF THE TREE PIT AND FILL WITH CRUSHED STONE. TEST AGAIN FOR PROPER PERCOLATION.
- FRONT ROW OR SHRUBS SHALL BE PLANTED A MINIMUM OF 24" BEHIND BED LINE AT LAWNS OR WALKS AND MINIMUM 36" BACK OF CURB AT PARKING AREAS.
- BACK ROW OF SHRUB PLANTING SHALL BE PLANTED 36" OFF FACE OF BUILDING WALL. GROUND COVERS SHALL BE 12" OUT FROM BUILDING AS REQUIRED BY PLANT SPECIFICATIONS.
- EXCAVATE EDGE OF ALL PLANTING BEDS TO 4" DEPTH TO FORM A NEAT CRISP DEFINITION.
- PLANTING BEDS SHALL BE 6-8" ABOVE SOD GRADE.
- ALL PLANTING BEDS AND TREE PITS SHALL BE MULCHED WITH A 3" SETTLED LAYER OF PINE STRAW ON LEVEL AREAS AND PINE PINE STRAW MULCH ON SLOPES.
- GRADE ALL AREAS FOR APPROVAL BY LANDSCAPE ARCHITECT BEFORE SODDING.
- SEASONAL COLOR SHALL BE PLANTED IN FLOWERING STATE.
- CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL, INCLUDING GRASS FOR ONE FULL YEAR FROM DATE OF INSTALLATION. PLANTS DESTROYED BY ACTS OF GOD ARE NOT INCLUDED IN THE GUARANTEE.
- ALL TREES SHALL BE STAKED AND TIED IN THE FIELD BY AN APPROVED METHOD. REMOVE ALL GUY WIRES AND STAKES AT THE END OF THE GUARANTEE PERIOD.
- TOPSOIL, TOPSOIL SHALL BE FERTILE, FRIABLE, SANDY LOAM AND A NATURAL SURFACE SOIL OBTAINED FROM WELL AREAS REVIEWED BY THE LANDSCAPE ARCHITECT AND POSSESSING CHARACTERISTICS OF REPRESENTATIVE SOILS IN THE PROJECT VICINITY THAT PRODUCE HEAVY GROWTHS OF CROPS, GRASS OR OTHER VEGETATION.
 - TOPSOIL SHALL BE FREE OF SUBSOIL, BRUSH, ORGANIC LITTER OR OBJECTIONABLE WEEDS, CLAY CLOTS, STUMPS, STONES, ROOTS OR OTHER MATERIAL HARMFUL TO PLANT MATERIALS. SHOULD REGENERATIVE MATERIALS BE PRESENT IN THE SOIL, CONTRACTOR SHALL ERADICATE AND REMOVE SUCH GROWTH, BOTH SURFACE AND ROOT, WHICH MAY APPEAR IN THE IMPORTED MATERIAL WITHIN ONE YEAR FOLLOWING ACCEPTANCE OF THE WORK.
 - TOPSOIL SHALL NOT BE HANDLED IN A FROZEN MUDDY CONDITION. THE ACIDITY RANGE SHALL BE BETWEEN 5 AND 7, INCLUSIVE. THE MECHANICAL ANALYSIS OF THE SOIL SHALL BE AS FOLLOWS:

SIZE	PERCENT PASSING
1 INCH MESH	99-100%
1/4 INCH MESH	97-99%
NO. 100 MESH	40-60%
NO. 200 MESH	20-40%
- STOCKPILE MATERIAL THAT DOES NOT MEET THE REQUIREMENTS MAY, AT THE OPTION OF THE CONTRACTOR, BE IMPROVED BY SCREENING AND THE ADDITION OF ORGANIC MATTER AND CHEMICAL ADMIXTURES.
- MAINTAIN ALL LANDSCAPE WORK UNTIL 30 DAYS AFTER SUBSTANTIAL COMPLETION IS GIVEN BY THE OWNER. THE LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR THE MEANS AND METHODS OF APPROPRIATENESS OF THE INSTALLATION PROCEDURES UNDERTAKEN BY ANY CONTRACTOR AND NOT RESPONSIBLE FOR JOB SAFETY.

PLANT USE LIST						
quantity	botanical name	common name	size	size	remarks	remarks
6	<i>Quercus nuttallii</i>	NUTTALL OAK	12'-14' HT.	MIN. 65 GAL., MIN. 6-8' SPREAD, 3-3 1/2" CAL.	FULL, WELL BRANCHED	SINGLE TRUNK SPECIMEN
4	<i>Quercus virginiana</i>	LIVE OAK	12'-14' HT.	MIN. 65 GAL., MIN. 6-8' SPREAD, 3-3 1/2" CAL.	FULL, WELL BRANCHED	SINGLE TRUNK SPECIMEN
4	<i>Quercus phellos</i>	WILLOW OAK	12'-14' HT.	MIN. 65 GAL., MIN. 6-8' SPREAD, 3-3 1/2" CAL.	FULL, WELL BRANCHED	SINGLE TRUNK SPECIMEN
4	<i>Taxodium distichum</i>	BALD CYPRESS	12'-14' HT.	MIN. 65 GAL., MIN. 6-8' SPREAD, 3-3 1/2" CAL.	FULL, WELL BRANCHED	SINGLE TRUNK SPECIMEN
6	<i>Magnolia grandiflora</i>	SOUTHERN MAGNOLIA	8'-10' HT.	MIN. 65 GAL., MIN. 6-8' SPREAD, 3-3 1/2" CAL.	FULL, WELL BRANCHED	SINGLE TRUNK SPECIMEN
11	<i>Pinus palustris</i>	LONG LEAF PINE	8'-10' HT.	MIN. 15 GAL., MIN. 4-6' SPREAD, 2-2 1/2" CAL.	FULL, WELL BRANCHED	SINGLE TRUNK SPECIMEN
6	<i>Nerium oleander</i>	OLEANDER	3'-4' HT.	MIN. 7 GAL., @ 6" O/C	FULL, WELL BRANCHED	STAGGER CENTERS
274	<i>Myrica pusilla</i>	DWARF WAXMYRTLE	3'-4' HT.	MIN. 7 GAL., @ 4" O/C	FULL, WELL BRANCHED	STAGGER CENTERS
296	<i>Itea virginica</i> 'Henry's Garnet'	HENRY'S GARNET SWEETSPIRE	18-22" HT.	MIN. 3 GAL., @ 3" O/C	FULL, WELL BRANCHED	STAGGER CENTERS
55	<i>Tropaeolum dactyloides</i>	DWARF FAKAHATCHEE GRASS	18-22" HT.	MIN. 3 GAL., @ 4" O/C	FULL, WELL BRANCHED	STAGGER CENTERS
465	<i>Sabal minor</i>	DWARF PALMETTO	18-22" HT.	MIN. 3 GAL., @ 4" O/C	FULL, WELL BRANCHED	STAGGER CENTERS
534	<i>Spartina bakerii</i>	SAND CORDGRASS	18-22" HT.	MIN. 3 GAL., @ 3" O/C	FULL, WELL BRANCHED	STAGGER CENTERS
170	<i>Spartina patens</i>	SALTMEADOW CORDGRASS	18-22" HT.	MIN. 1 GAL., @ 3" O/C	FULL, WELL BRANCHED	STAGGER CENTERS
145	<i>Rosmarinus officinalis</i> 'Tuscan Blue'	TUSCAN BLUE ROSEMARY	18-22" HT.	MIN. 3 GAL., @ 3" O/C	FULL, WELL BRANCHED	STAGGER CENTERS
179	<i>Iva imbricata</i>	BEACH ELDER	18-22" HT.	MIN. 1 GAL., @ 3" O/C	FULL, WELL BRANCHED	STAGGER CENTERS
706	<i>Juniperus davurica</i> 'Parsonii'	DWARF PARSONS JUNIPER	15-18" HT.	MIN. 3 GAL., @ 30" O/C	FULL, WELL BRANCHED	STAGGER CENTERS
392	<i>Rosa 'Meidrifora'</i>	CORAL DRIFT ROSE	15-18" HT.	MIN. 3 GAL., @ 30" O/C	FULL, WELL BRANCHED	STAGGER CENTERS
72,319 sf	---	MEADOW GRASS & WILDFLOWER MIX	---	Hydroseed, verify quantity	---	---
---	<i>Zoysia japonica</i> 'Empire'	EMPIRE ZOSIA SOD	---	SOLID SOD	---	---

NOTE: QUANTITIES SHOWN IN THE "PLANT USE LIST" ARE SOLELY FOR THE CONVENIENCE OF THE LANDSCAPE CONTRACTOR. CONTRACTOR TO VERIFY QUANTITIES SHOWN ON THE "PLANTING PLAN" AGAINST THOSE SHOWN IN THE "PLANT USE LIST", AND PLANT THOSE QUANTITIES SHOWN ON THE "PLANTING PLAN".

APPROVED BY
APPROVED BY
APPROVED BY

JOB NUMBER: 2014-13
DATE: JUNE 1, 2016
REVIEWED BY: [Signature]
CHECKED BY: [Signature]



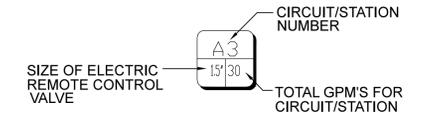
IRRIGATION LEGEND:

-  RAINBIRD 5000 ROTOR SERIES WITH 3.0 AND 4.0 NOZZLE
-  RAINBIRD MINI ROTOR 3504PC-SAM WITH 3.0 AND 4.0 NOZZLE
-  RAINBIRD RVAN 17-24 ROTATOR NOZZLE ON 1812 SPRINKLER, USE RISER IF NECESSARY
-  RAINBIRD RVAN 13-18 NOZZLE ON 1812 SPRINKLER, USE 6" RISER IF NECESSARY
-  RAINBIRD, PEB SERIES, 1" AND 1 1/2" EL. REMOTE CONTROL VALVE (OR APP'D. EQ.) IN MIN. 12" ROUND BOX, FILL BOTTOM W/PEA GRAVEL, (SEE DETAIL)
-  RAINBIRD ESP-LX TWO WIRE CONTROLLER, STA. A1- POST MOUNTED WHERE SHOWN AND/OR AS DIRECTED BY LANDSCAPE ARCHITECT. (SEE SHEET L2.1).
-  WIRELESS RAIN SENSOR
-  DOUBLE CHECK VALVE (SEE SHEET L2.1)
-  ISOLATION VALVE - (MAIN SIZE), 125# W.O.G., BRASS BALL VALVE IN AMETEK 10" ROUND BOX, FILL BOTTOM WITH PEA GRAVEL (SIMILAR TO CONTROL VALVE). ISOLATION VALVES (IV) SHALL BE IN A LOCKABLE BOX.
-  1" IRRIGATION MAINLINE, PVC SDR 21, CLASS 200BE
-  IRRIGATION LATERAL PIPE, PVC SDR 21, CLASS 200BE
-  4" DIAMETER SCHEDULE 40 PVC SLEEVE UNDER DRIVE, HARDSCAPE AND WHERE SHOWN, EXTEND ENDS MIN. 8-12" PAST EDGE OF DRIVE, HARDSCAPE AND CAP W/NO SOLVENT. REMOVE CAPS WHEN IRRIGATION IS TO BE INSTALLED

PIPE SIZING CHART:

CONTRACTOR TO SIZE EACH CIRCUIT/STATION LATERAL PIPING USING THE FOLLOWING:

PIPE SIZE	MAX. GPM'S
1/2"	6
3/4"	10
1"	16
1 1/4"	28
1 1/2"	35
2"	55
3"	120



EACH CIRCUIT/STATION SHOWN HEREIN HAS THE NUMBER OF GPM'S REQ'D. FOR THAT CIRCUIT/STATION. EACH CIRCUIT/STATION IS DESIGNED BASED ON 50-55PSI AT THE VALVE.

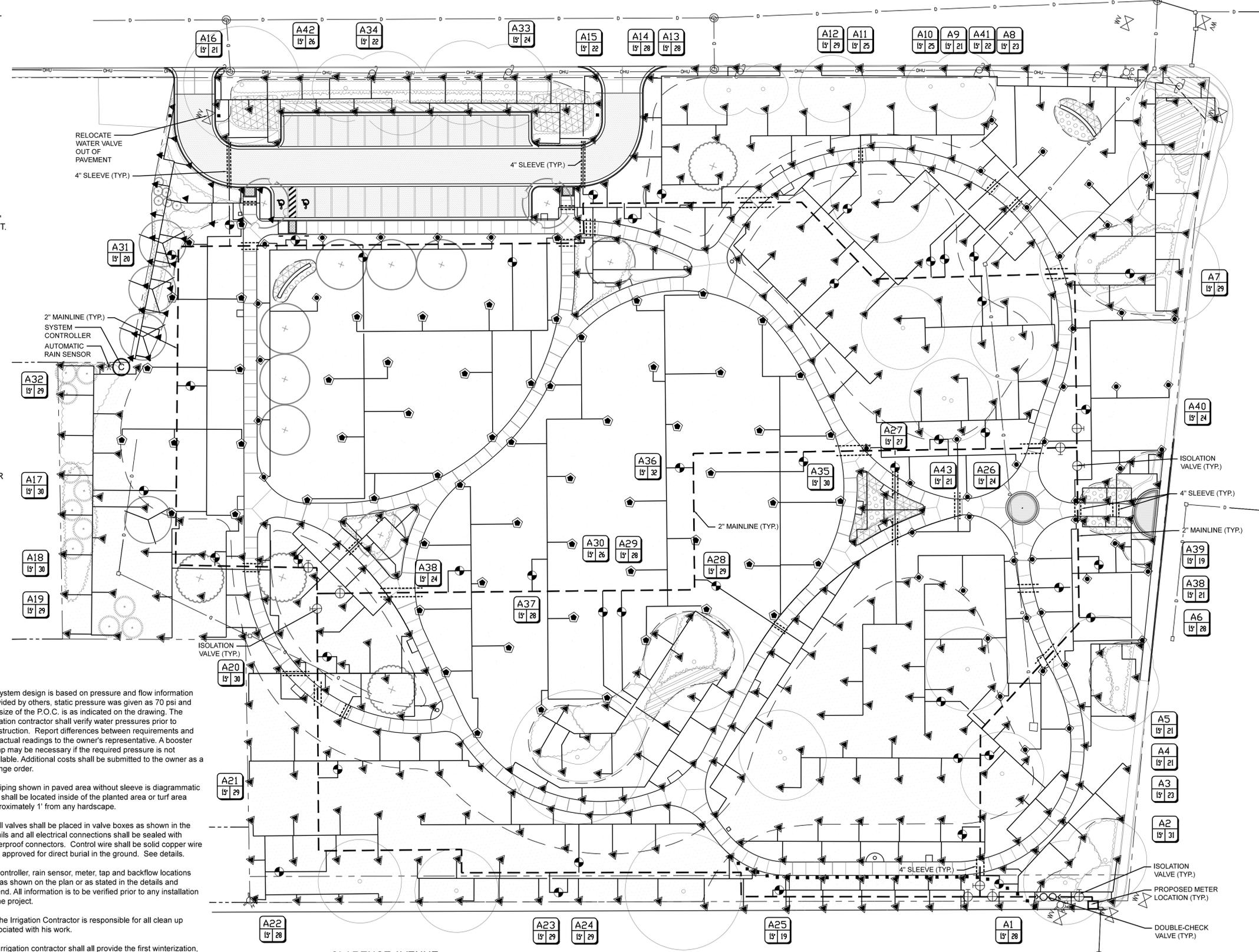
GENERAL NOTES

1. The irrigation system is diagrammatic based upon the information provided by the owner or the owner's representative. The successful contractor is responsible to install a system that will properly cover all areas indicated on the design. Actual layout of piping, sprinkler heads, valves, controllers and other related equipment shall be determined on site. Minor field changes shall be made at no additional cost to the owner.
- It is the responsibility of the irrigation contractor to be familiar with all grade differences, locations of walls, structures and utilities and make the necessary adjustments to accommodate the irrigation system as shown on the drawings. There may be times when it is obvious in the field that unknown obstructions, grades or dimensions that exist might not have been considered in the engineering, such obstructions should be brought to the attention of the owner's authorized representative. In the event that this notification is not performed, the irrigation contractor shall assume full responsibility for any revisions and costs that occur.
2. This system shall be installed using accepted and quality installation standards as used in the industry. All manufacturers specifications will be followed.
3. Mainline shall be buried a minimum of 12" of cover and a maximum of 18" of cover. Lateral line piping a minimum of 12" of cover. All backfill surrounding the pipe shall be cleaned of materials larger than 1" in size. Backfill shall be added in 6" increments and mechanically tamped.
4. There will be no substitutions or changes to the irrigation design allowed without direct, written approval from the Irrigation Consultant.

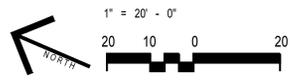
5. System design is based on pressure and flow information provided by others, static pressure was given as 70 psi and the size of the P.O.C. is as indicated on the drawing. The irrigation contractor shall verify water pressures prior to construction. Report differences between requirements and the actual readings to the owner's representative. A booster pump may be necessary if the required pressure is not available. Additional costs shall be submitted to the owner as a change order.
6. Piping shown in paved area without sleeve is diagrammatic and shall be located inside of the planted area or turf area approximately 1' from any hardscape.
7. All valves shall be placed in valve boxes as shown in the details and all electrical connections shall be sealed with waterproof connectors. Control wire shall be solid copper wire U.L. approved for direct burial in the ground. See details.
8. Controller, rain sensor, meter, tap and backflow locations are as shown on the plan or as stated in the details and legend. All information is to be verified prior to any installation of the project.
9. The Irrigation Contractor is responsible for all clean up associated with his work.
10. Irrigation contractor shall all provide the first winterization, spring turn on, head adjustments and controller maintenance in bid.

HENDERSON AVENUE

NEWLY INSTALLED TREES: CONTRACTOR SHALL PROVIDE A BUBBLER AT THE BASE OF ALL NEWLY PLANTED TREES.



CLARENCE AVENUE



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 Ocean Springs, Mississippi Fairhope, Alabama P 855.539.5098 F 855.539.5098

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 PHONE: (228) 742-1975 FAX: (228) 749-9545
 EMAIL: CONTRACT@ALLIEDARCHITECTURALGROUP.COM

allred
 ARCHITECTURAL GROUP

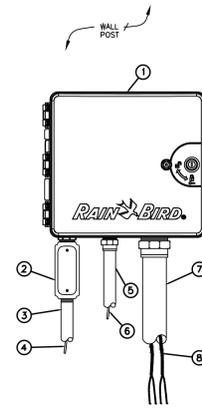
IRRIGATION PLAN
 PASS CHRISTIAN SITE DEMOLITION AND SITE WORK
 MISSISSIPPI DEPARTMENT OF MARINE RESOURCES
 412 WEST BEACH BOULEVARD, PASS CHRISTIAN, MS

APPROVED BY: [Signature]
 APPROVED BY: [Signature]
 APPROVED BY: [Signature]

JOB NUMBER: 2014-13
 DATE: JUNE 1, 2016
 DESIGNED BY: [Signature]
 CHECKED BY: CHP

REGISTERED LANDSCAPE ARCHITECT
 CHRISTIAN HART PREUS
 14876
 STATE OF MISSISSIPPI

SHEET
L2.0
 OF SHEETS

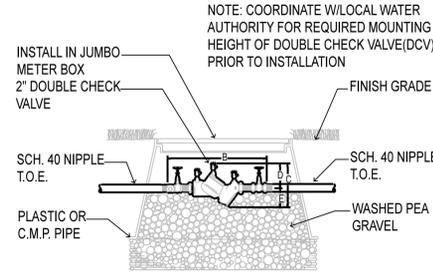


- 1 TWO-WIRE DECODER CONTROLLER: RAIN BIRD IQ ESP-LXD SATELLITE TWO-WIRE DECODER CONTROLLER WITH IQ NCC ETHERNET CARTRIDGE IN PLASTIC CABINET WITH WALL MOUNT. INSTALL CONTROLLER AND CABINET ON WALL PER MANUFACTURER'S RECOMMENDATIONS.
- 2 JUNCTION BOX
- 3 1-INCH CONDUIT AND FITTINGS TO POWER SUPPLY
- 4 POWER SUPPLY WIRE
- 5 1-INCH CONDUIT AND FITTINGS FOR ETHERNET SERVICE TO IQ CENTRAL CONTROL COMPUTER
- 6 ETHERNET CABLE TO LOCAL NETWORK JACK FOR COMMUNICATION TO IQ CENTRAL CONTROL COMPUTER (MAXIMUM LENGTH 300 FEET)
- 7 2-INCH CONDUIT AND FITTINGS FOR TWO-WIRE CABLE
- 8 MAXICABLE TWO-WIRE PATH TO DECODERS USE A DIFFERENT CABLE JACKET COLOR FOR EACH PATH

NOTES:
 1. IQ ESP-LXD CONTROLLER COMES WITH 50 STATIONS AVAILABLE. TWO ADDITIONAL 75 STATION ESP-LXD-SUMMS MODULES MAY BE ADDED TO EXPAND THE CONTROLLER UP TO 200 TOTAL STATIONS.
 2. USE STEEL CONDUIT FOR ABOVE GRADE AND SCH 40 PVC CONDUIT FOR BELOW GRADE CONDITIONS.
 3. PROVIDE PROPER GROUNDING COMPONENTS TO ACHIEVE GROUND RESISTANCE OF 10 OHMS OR LESS.

ESP-LXD W/OPTIONAL IQ NCC ETHERNET CARTIDGE

N.T.S.
 NOTE - PROVIDE AND INSTALL APPROPRIATE GROUND RODS AND WIRING FOR EACH CONTROLLER AS NECESSARY AND AS RECOMMENDED BY MANUFACTURER.



NOTE: COORDINATE W/LOCAL WATER AUTHORITY FOR REQUIRED MOUNTING HEIGHT OF DOUBLE CHECK VALVE(DCV) PRIOR TO INSTALLATION

INSTALL IN JUMBO METER BOX
 2" DOUBLE CHECK VALVE

SCH. 40 NIPPLE T.O.E. SCH. 40 NIPPLE T.O.E.
 PLASTIC OR C.M.P. PIPE WASHED PEA GRAVEL

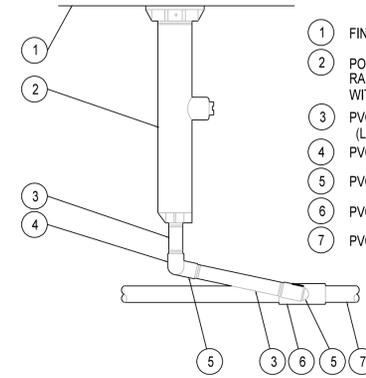
DIMENSIONS (INCHES)

SIZE	B	C	D	E	WIDTH
3/4"	12-1/4"	6-7/8"	4"	2-7/8"	2-3/4"
1"	13-3/4"	6-7/8"	4-3/8"	2-7/8"	2-3/4"
1-1/2"	16-3/4"	9-7/8"	5-1/3"	4-7/8"	4-1/4"
2"	17-3/4"	9-7/8"	6-3/8"	4-7/8"	4-1/4"

CONTRACTOR SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES IN REFERENCE TO INSTALLATION AND VENTING OF BACKFLOW PREVENTION DEVICE.

DOUBLE CHECK VALVE

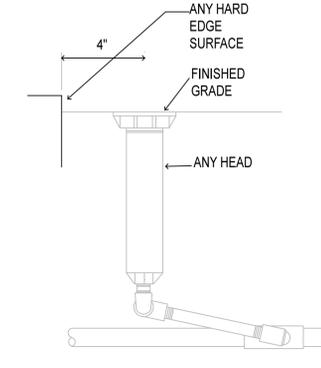
N.T.S.



- 1 FINISH GRADE/TOP OF MULCH
- 2 POP-UP SPRAY SPRINKLER: RAIN BIRD 1806 -SAMI-PRS WITH 1800 VPC WITH RAIN BIRD ROTARY NOZZLE
- 3 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 4 PVC SCH 40 ELL
- 5 PVC SCH 40 STREET ELL
- 6 PVC SCH 40 TEE OR ELL
- 7 PVC LATERAL PIPE

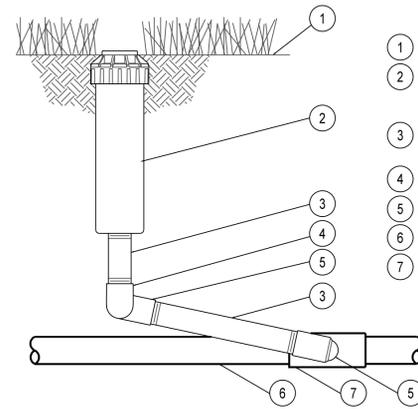
1806 IN LAWN

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ANY HEAD

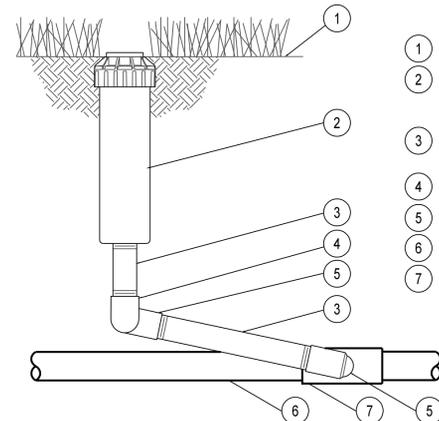
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- 1 FINISH GRADE
- 2 ROTOR POP-UP SPRINKLER: RAIN BIRD 3504-FC/PC
- 3 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 4 PVC SCH 40 ELL
- 5 PVC SCH 40 STREET ELL
- 6 PVC LATERAL PIPE
- 7 PVC SCH 40 TEE OR ELL

RAIN BIRD 3504 ROTOR POP-UP W/SWING JOINT

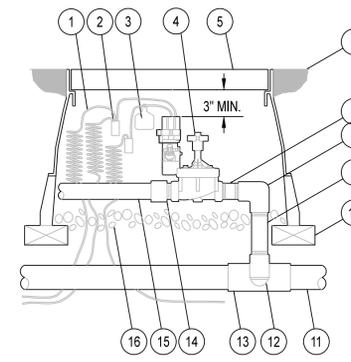
N.T.S.



- 1 FINISH GRADE
- 2 ROTOR POP-UP SPRINKLER: RAIN BIRD 5006
- 3 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 4 PVC SCH 40 ELL
- 5 PVC SCH 40 STREET ELL
- 6 PVC LATERAL PIPE
- 7 PVC SCH 40 TEE OR ELL

RAIN BIRD 5000 ROTOR POP-UP W/SWING JOINT

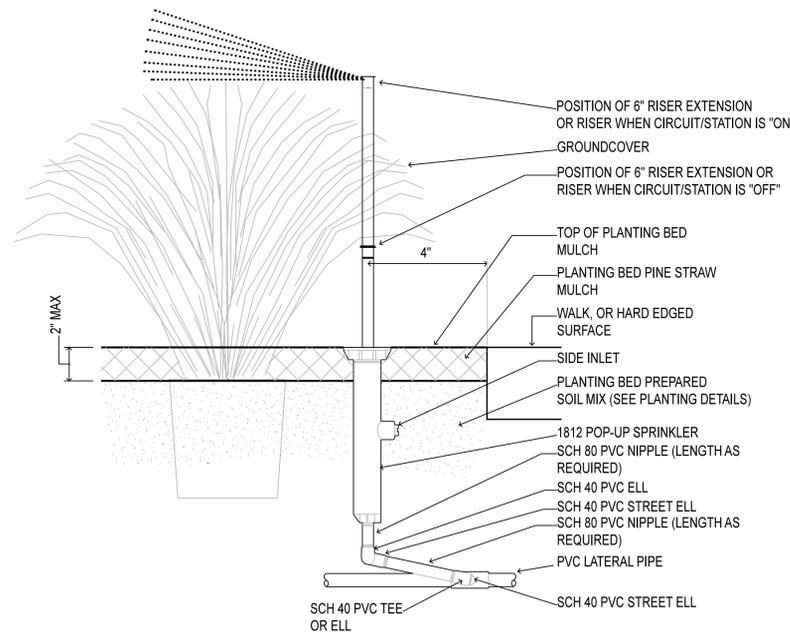
N.T.S.



- 1 30-INCH LINEAR LENGTH OF WIRE, COILED
- 2 WATERPROOF CONNECTION RAIN BIRD SPLICE-1 (1 OF 2)
- 3 ID TAG: RAIN BIRD VID SERIES
- 4 REMOTE CONTROL VALVE: PEB-PRS-D
- 5 VALVE BOX WITH COVER: RAIN BIRD VB-STD
- 6 FINISH GRADE/TOP OF MULCH
- 7 PVC SCH 80 NIPPLE (CLOSE)
- 8 PVC SCH 40 ELL
- 9 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 10 BRICK (1 OF 4)
- 11 PVC MAINLINE PIPE
- 12 SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND SCH 40 ELL
- 13 PVC SCH 40 TEE OR ELL
- 14 PVC SCH 40 MALE ADAPTER
- 15 PVC LATERAL PIPE
- 16 3.0-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL

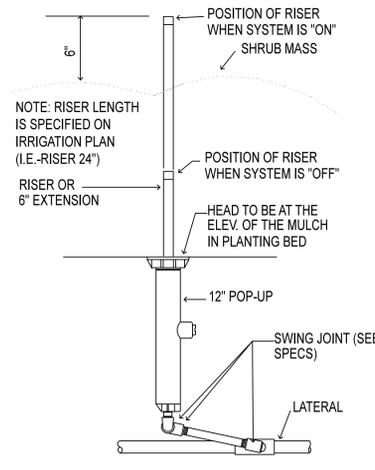
PEB-PRS-D ELECTRIC REMOTE CONTROL VALVE

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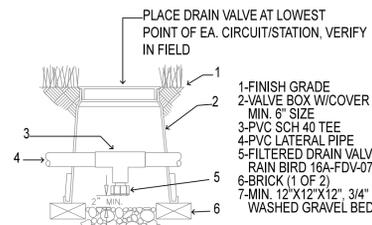
1812 W/6" RISER EXTENSION IN PLANTING BED

NTS



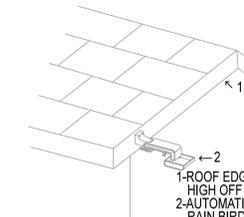
12" POP-UP W/RISER

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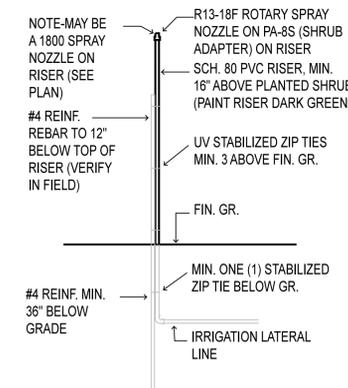
DRAIN VALVE

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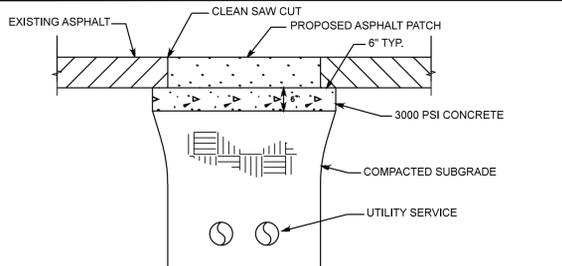
AUTOMATIC RAIN SHUTOFF

N.T.S.



STAKED RISER DETAIL

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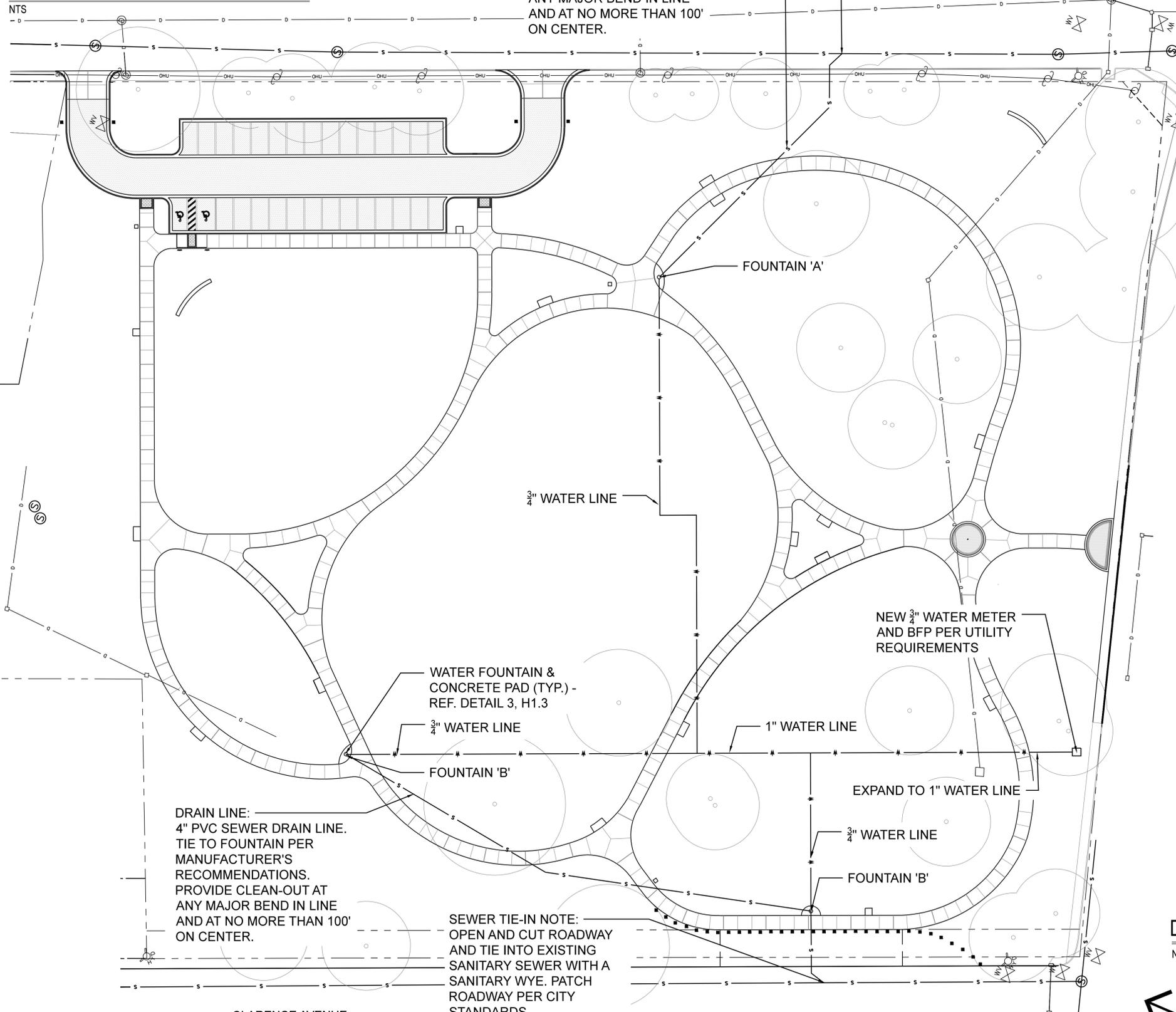


ROAD PATCH FOR UTILITY TRENCH

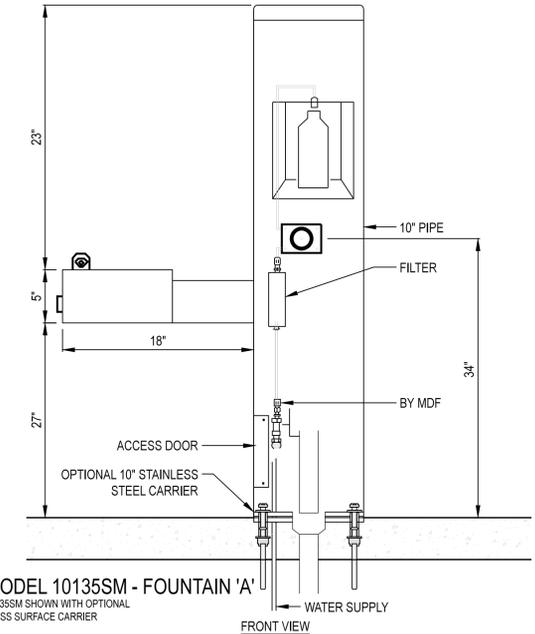
NOTE:
ALL UTILITY AND ROAD
WORK MUST COMPLY WITH
CITY STANDARDS.

DRAIN LINE:
4" PVC SEWER DRAIN LINE.
TIE TO FOUNTAIN PER
MANUFACTURER'S
RECOMMENDATIONS.
PROVIDE CLEAN-OUT AT
ANY MAJOR BEND IN LINE
AND AT NO MORE THAN 100'
ON CENTER.

SEWER TIE-IN NOTE:
OPEN AND CUT ROADWAY
AND TIE INTO EXISTING
SANITARY SEWER WITH A
SANITARY WYE. PATCH
ROADWAY PER CITY
STANDARDS.

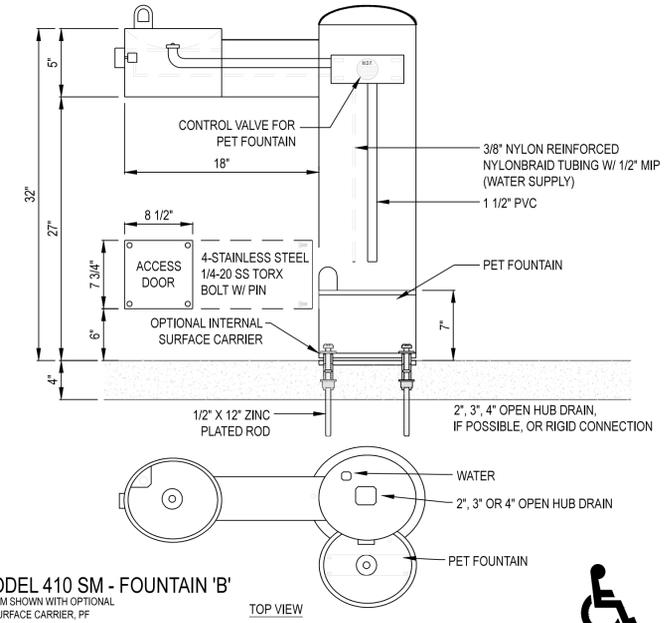


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MODEL 10135SM - FOUNTAIN 'A'
10135SM SHOWN WITH OPTIONAL
10" SS SURFACE CARRIER

- NOTES:
1. STAINLESS STEEL CARRIER SURFACE.
 2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 3. DO NOT SCALE DRAWING.
 4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, AND COLOR OPTIONS FOR APPROVAL.
 5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 3354-17.6. (OR APPROVED EQUAL)

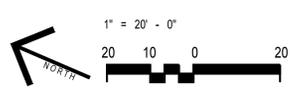


MODEL 410 SM - FOUNTAIN 'B'
410 SM SHOWN WITH OPTIONAL
SS SURFACE CARRIER, PF

- NOTES:
1. MEETS ADA REGULATIONS.
 2. OPTIONAL STAINLESS STEEL SURFACE CARRIER RECOMMENDED.
 3. SHOWN WITH OPTIONAL 10 SS SURFACE CARRIER, ATTACHED PET FOUNTAIN.
 4. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 5. DO NOT SCALE DRAWING.
 6. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, AND COLOR OPTIONS FOR APPROVAL.
 7. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 3354-1.32. (OR APPROVED EQUAL)

DRINKING FOUNTAIN AND MOUNTING

NTS



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UTILITIES PLAN
PASS CHRISTIAN SITE DEMOLITION AND SITE WORK
MISSISSIPPI DEPARTMENT OF MARINE RESOURCES
412 WEST BEACH BOULEVARD, PASS CHRISTIAN, MS

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CHECKED BY: [Signature]



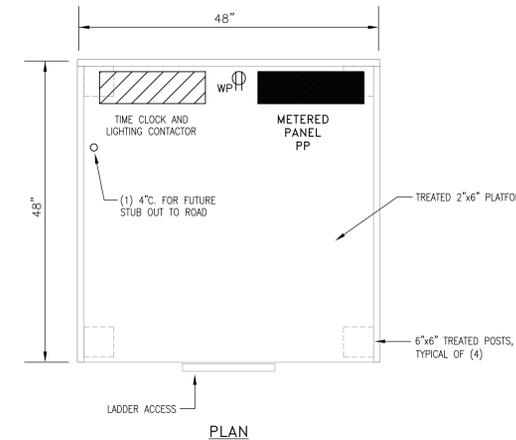
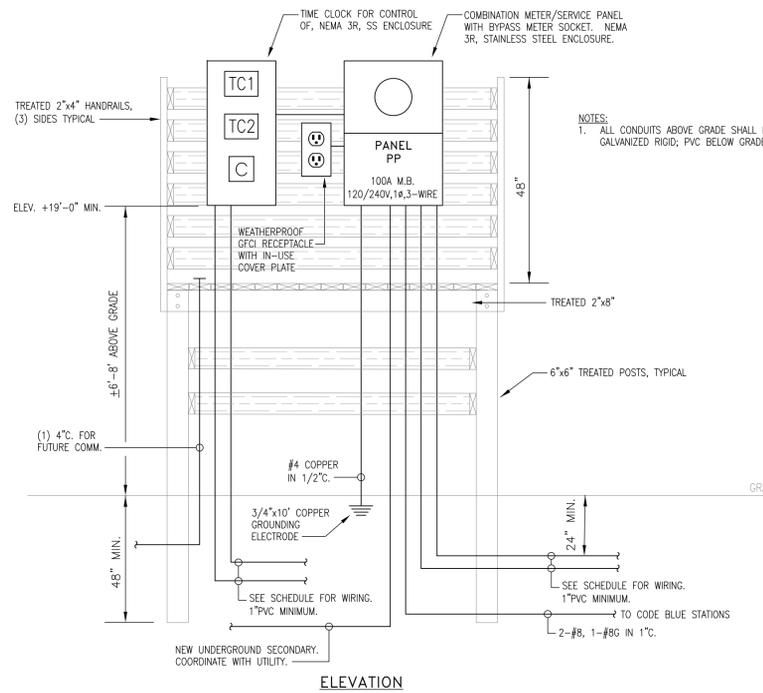
DATE: JUNE 1, 2016
REVISIONS:

SHEET
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OF SHEETS

ELECTRICAL LEGEND	
LIGHTING	CONDUIT AND WIRE
<ul style="list-style-type: none"> NEW SITE LIGHTING STANDARD IN-GROUND FLOOD LIGHT FLOOD LIGHT LANDSCAPE SPOT LIGHT 	<ul style="list-style-type: none"> FLEXIBLE CONDUIT, SEALTITE AT WET LOCATIONS CONDUIT BELOW FLOOR OR CONCEALED IN WALL CONDUIT EXPOSED CIRCUIT CONDUCTORS IN CONDUIT MULTIPLE CIRCUIT CONDUCTORS IN CONDUIT WITH NEUTRALS GROUND CONDUCTORS IN CONDUIT CIRCUIT HOMERUN TO PANEL BOARD. XX-XX DENOTES PANEL NAME AND CIRCUIT NUMBER CONTINUATION OF CONDUIT RUN
SWITCHGEAR	DEVICES
<ul style="list-style-type: none"> JUNCTION BOX NON FUSED SAFETY SWITCH NEMA 3R AT WET LOCATIONS LIGHT AND POWER PANELBOARD TIME CLOCK LIGHTING CONTACTOR SPECIAL ELECTRICAL CONNECTION IN-GROUND JUNCTION BOX 	<ul style="list-style-type: none"> GFI DUPLEX RECEPTACLE - 20A, 120V WITH IN-USE WEATHERPROOF COVER GFI DUPLEX RECEPTACLE - 20A, 120V MOUNTED ON POST, SEE DETAIL CODE BLUE STATION, SEE DETAIL <p>MOUNT ALL DEVICES AT +18" AFF, UNLESS NOTED OTHERWISE. DEVICES MOUNTED ABOVE COUNTER HEIGHTS SHALL BE 6" ABOVE BACKPLASH.</p>

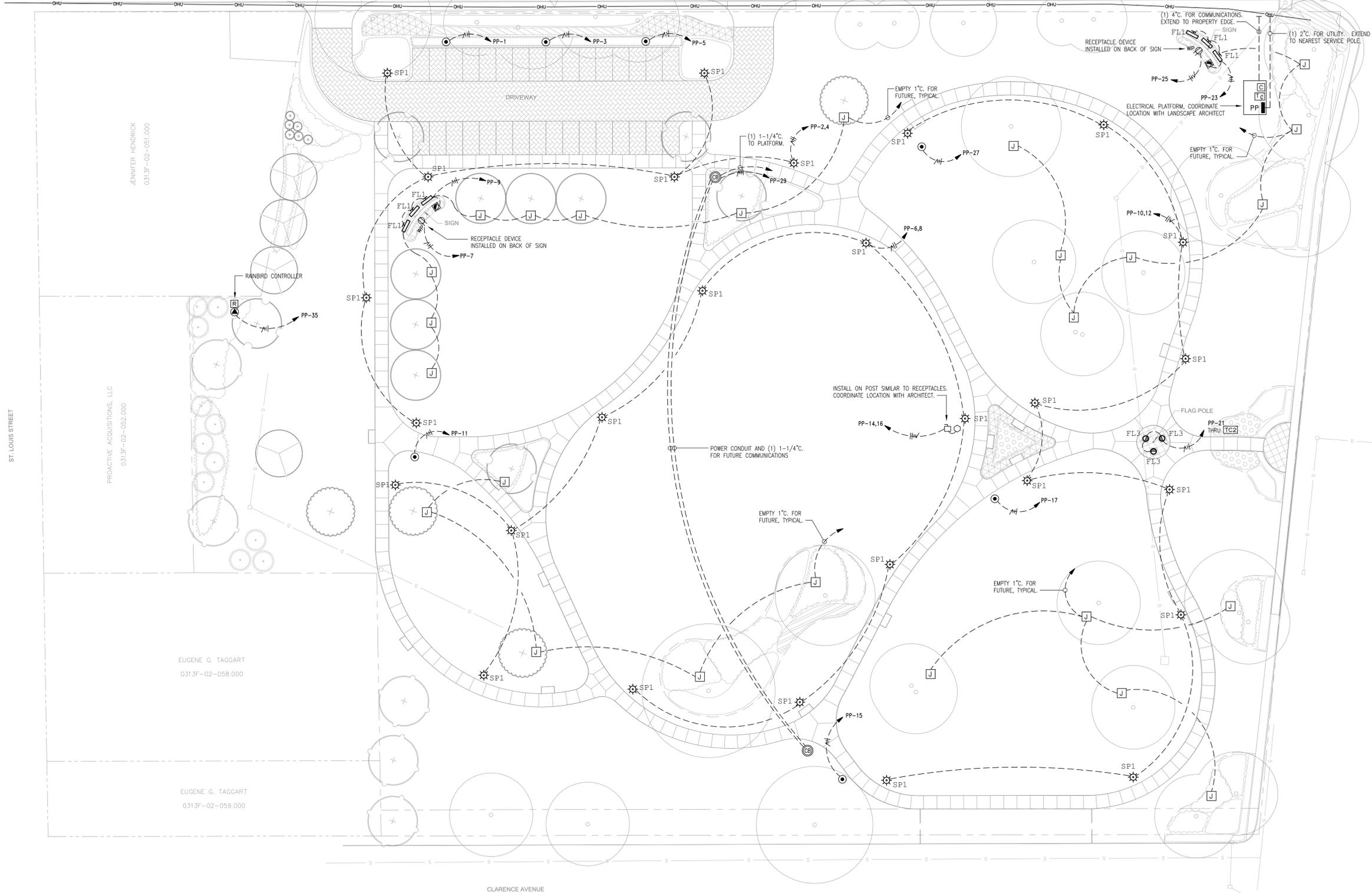
LUMINAIRE SCHEDULE					
MARK	LAMPS	MOUNTING	DESCRIPTION	MANUFACTURER	EQUALS
FL1	(1) F32-T8-3500	STANCION	LINEAR FLOOD LIGHT FOR SIGNAGE	HYDREL 4799-32-120V-PSS36-LPI-BL	OR EQUAL
FL2	LED-PAR 30; 900 LUMENS	STANCION	LED, LANDSCAPE SPOT LIGHT FOR TREES	KICHLER 15241-AZT-15276BK	OR EQUAL
FL3	LED	IN-GROUND	LED, IN-GROUND FLOOD LIGHT FOR FLAG POLE	HYDREL PDX10-BSS-18LED-WHT41K-MVOLT-NSP-FLCAS-34S-IHL	OR EQUAL
SP1	LED	POLE	LED, PEDESTRIAN POLE LIGHT	ARCHITECTURAL AREA LIGHTING PROV-T5-32LED-4K-700-DB-LDL-PFN-PCA	OR EQUAL
POLE		POLE	PEDESTRIAN POLE	ARCHITECTURAL AREA LIGHTING PROV-DB34F10-188-MTB-BOLTS-POST TOP	OR EQUAL

PANEL		BUSS: 100 AMP	VOLT: 120/240V, 1 PHASE, 3 WIRE				AIC RATING: 10,000					
PP		MAINS: 100A M.B.	MOUNT: SURFACE, NEMA 3R				LOCATION: SITE					
CKT.	BKR.	DESCRIPTION	FEEDER	LOAD (AMPS)		LOAD (AMPS)		FEEDER	DESCRIPTION	BKR.	CKT.	
				A	C	A	C					
1	20/1	REC. (PARKING LOT)	2-8, 1-10G	3		8		2-8, 1-8G	LIGHTS (WALKING TRAIL)	20/2	2	
3	20/1	REC. (PARKING LOT)	2-8, 1-10G		3		8				4	
5	20/1	REC. (PARKING LOT)	2-8, 1-10G	3		10					6	
7	20/1	REC. (SIGNAGE)	2-8, 1-10G		3		10				8	
9	20/1	LIGHTS (TREES & SIGNAGE)	2-8, 1-10G	10		10		2-8, 1-8G	LIGHTS (WALKING TRAIL)	20/2	10	
11	20/1	REC. (WALKING TRAIL)	2-8, 1-10G		3		10				12	
13	20/1	LIGHTS (TREES)	2-8, 1-10G	6		10		3-8, 1-8G	DISCONNECT (WALKING TRAIL)	30/2	14	
15	20/1	REC. (WALKING TRAIL)	2-8, 1-10G		3		10				16	
17	20/1	REC. (WALKING TRAIL)	2-8, 1-10G	3							18	
19	20/1	LIGHTS (TREES)	2-8, 1-10G		6						20	
21	20/1	LIGHTS (FLAG POLE)	2-8, 1-10G	3							22	
23	20/1	LIGHTS (TREES & SIGNAGE)	2-8, 1-10G		10						24	
25	20/1	REC. (SIGNAGE)	2-10, 1-10G	3							26	
27	20/1	REC. (WALKING TRAIL)	2-10, 1-10G		3						28	
29	20/1	CODE BLUE STATIONS	2-8, 1-8G	10							30	
31	20/1	TIMECLOCKS CONTROL	2-12, 1-12G		6						32	
33	20/1	REC. (PLATFORM)	2-12, 1-12G	3							34	
35	20/1	RAINBIRD CONTROLLER	2-12, 1-12G		3						36	
37	20/1	SPARE									38	
39	20/1	SPARE									40	
41	20/1	SPARE									42	
				44.0	40.0	38.0	38.0					
ALL BREAKERS ARE BASE BID				CONNECTED LOADS PER PHASE				A phase	82.0	amps		
								C phase	78.0	amps		



1 POWER RISER DIAGRAM
E0.0 SCALE: NONE

HENDERSON AVENUE



- GENERAL NOTES:
1. LANDSCAPE LIGHTS TYPE "FL2" AND ASSOCIATED WIRING SHALL BE INSTALLED AS ALTERNATE BID ITEM.
 2. CONDUITS AND PULL BOXES ONLY SHALL BE INSTALLED AS BASE BID.
 3. ALL CONDUITS SHALL BE 1" MINIMUM, UNLESS NOTED OTHERWISE.

JENNIFER HENDRICK
0313F-02-051.000

PROACTIVE ACQUISITIONS, LLC
0313F-02-062.000

EUGENE G. TAGGART
0313F-02-058.000

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0313F-02-059.000

ST. LOUIS STREET

BEACH BOULEVARD / U.S. HIGHWAY 90

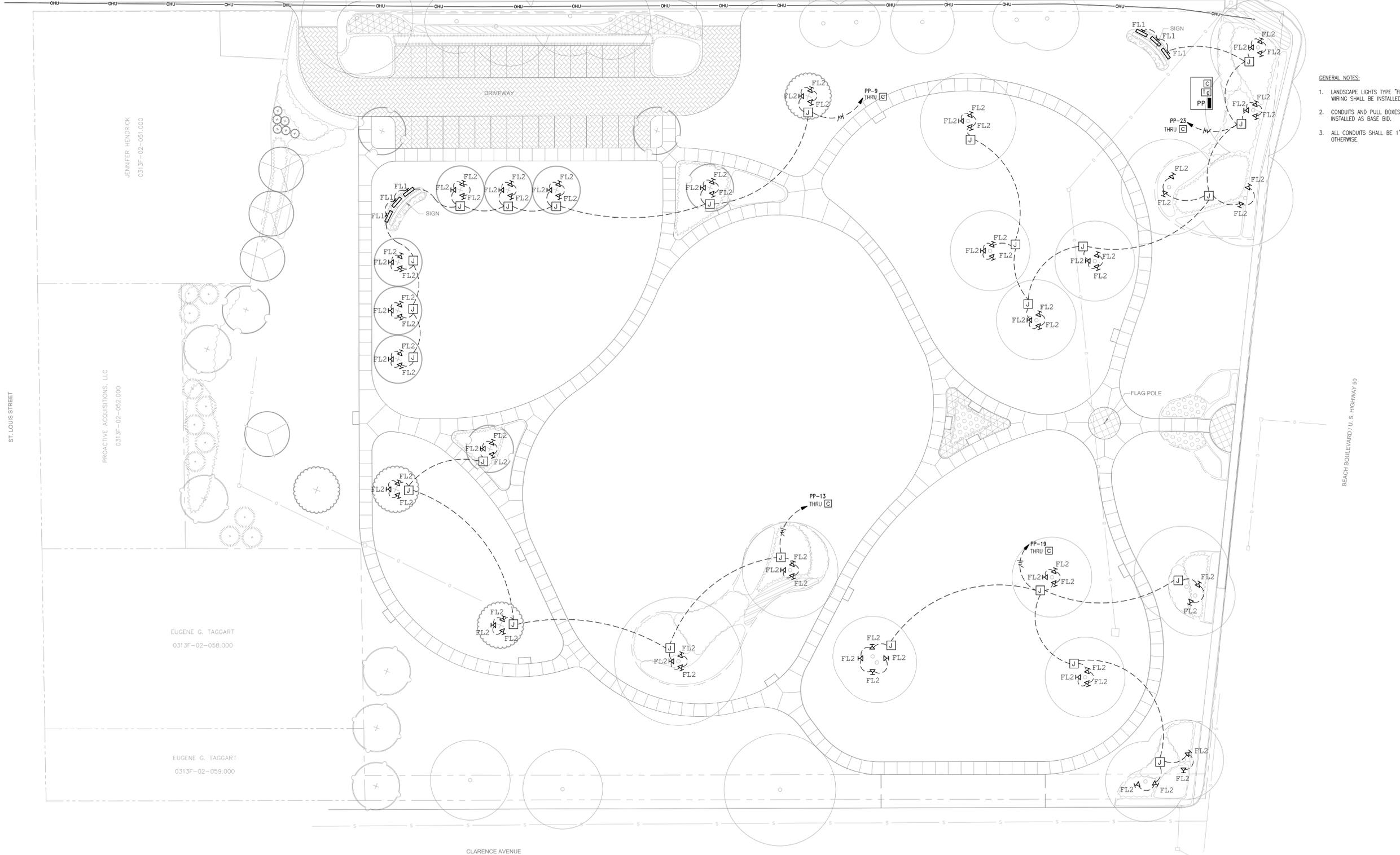
CLARENCE AVENUE

1 ELECTRICAL SITE PLAN
E.1.1 SCALE: 1" = 30'-0"



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HENDERSON AVENUE



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0313F-02-059.000

CLARENCE AVENUE

BEACH BOULEVARD / U.S. HIGHWAY 90

1 ALTERNATE SITE LIGHTING PLAN
E1.2 SCALE: 1" = 30'-0"



ALTERNATE SITE LIGHTING PLAN
PASS CHRISTIAN SITE DEMOLITION AND SITE WORK
 MISSISSIPPI DEPARTMENT OF MARINE RESOURCES
 412 WEST BEACH BOULEVARD, PASS CHRISTIAN, MS

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DATE	DATE
2014-19	JUNE 1, 2016
DRAWN BY	CHECKED BY
SPN	SPN



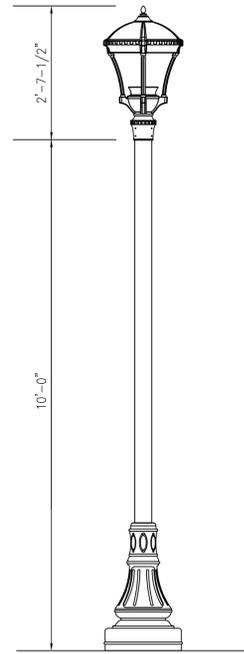
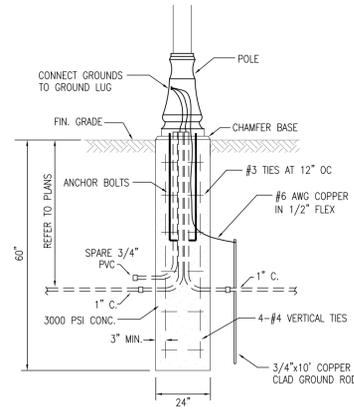
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E1.2
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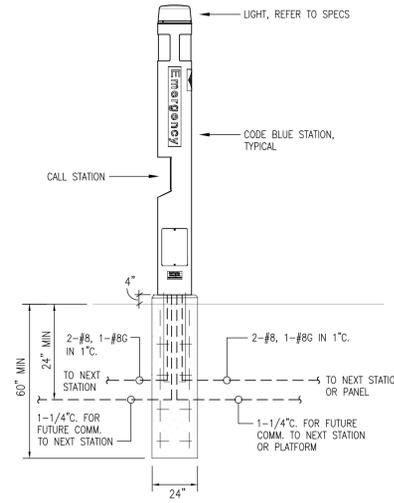
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 OCEAN SPRING, MS 39564
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 EMAIL: CONTACT@ALLREDARCHITECTURALGROUP.COM

LUMINAIRE "SP1" NOTES:

1. INSTALL POLES LEVEL AND PLUMB, UTILIZE LEVELING NUTS ON ANCHOR BOLTS AS REQUIRED.
2. ANCHOR BOLTS TO BE SIZED PER MANUFACTURER'S RECOMMENDATION.
3. PROVIDE AND INSTALL NONSHRINK GROUT AROUND BASE OF POLE AT ANCHOR BOLT COVER TO PROVIDE SLOPED FINISH AT BASE OF POLE.
4. PROVIDE "RUBBED" FINISH ON EXPOSED CONCRETE AT POLE FOUNDATION. PAINT FOUNDATION TO MATCH POLE.
5. INSTALL ANCHOR BOLTS TO MATCH BOLT PATTERN DIAMETER GIVEN BY POLE MANUFACTURER.
6. INSTALL (1) 3/4" PVC SPARE CONDUIT STUBBED OUT OF POLE BASE.
7. BASE SHALL HAVE A 24" DIAMETER SONOTUBE FORM. VERIFY DIMENSION WITH POLE MANUFACTURER. REMOVE SONOTUBE AFTER CONCRETE HAS CURED.

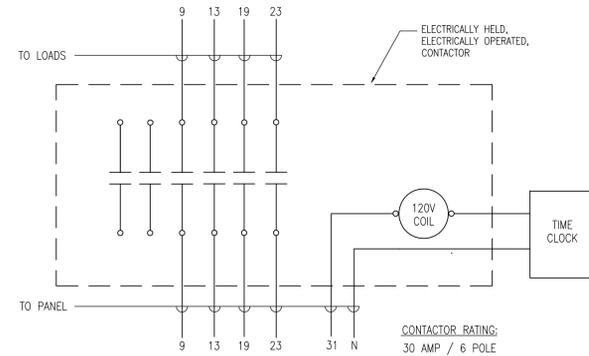


1 SITE POLE DETAIL
E2.1 SCALE: NONE

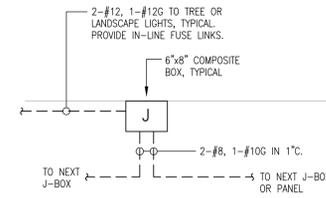


2 CODE BLUE STATION DETAIL
E2.1 SCALE: NONE

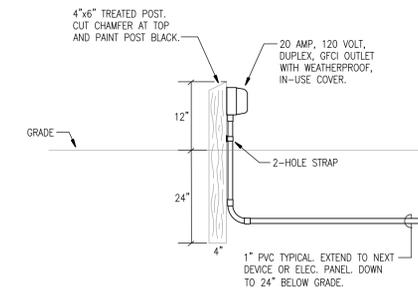
3 IN-GROUND FLOOD LIGHT DETAIL
E2.1 SCALE: NONE



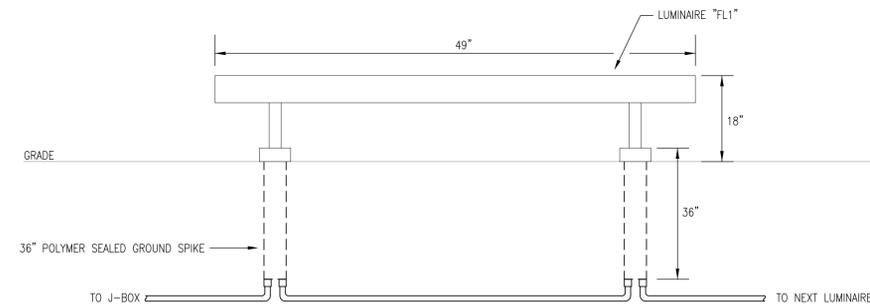
4 LIGHTING CONTACTOR DETAIL
E2.1 SCALE: NONE



5 JUNCTION BOX DETAIL AT TREES
E2.1 SCALE: NONE



6 POST MOUNTED RECEPTACLE DETAIL
E2.1 SCALE: NONE



7 SIGN LIGHT DETAIL - FIXTURE "FL1"
E2.1 SCALE: NONE