

PROJECT TEAM

OWNER/DEVELOPER
CAITHNESS CONSTRUCTION, LLC.
3976 DESTINATION DR #206
(941) 918-2417
CONTACT: MARK CAITHNESS
MARK@CAITHNESSCONSTRUCTION.COM

SURVEYOR
FLORIDA ENGINEERING & SURVEYING, LLC
631 N. TAMiami TRAIL
NOKOMIS, FLORIDA 34275
(941) 485-3100
CONTACT: JUSTIN "BOOTS" GARNER, P.S.M.
BOOTS@FLORIDA-EAS.COM

LANDSCAPE ARCHITECT
JOHN T. SWEN, R.L.A.
PO BOX 494466
PORT CHARLOTTE, FL 33949
941-626-7365
CONTACT: JOHN T. SWEN, RLA
JOHNSWENRLA@GMAIL.COM

CIVIL ENGINEER
FLORIDA ENGINEERING & SURVEYING, LLC
631 N. TAMiami TRAIL
NOKOMIS, FLORIDA 34275
(941) 485-3100
CONTACT: JESSICA L. HEINY, P.E.
JESSIE@FLORIDA-EAS.COM

ARCHITECT
BEEBE DESIGN STUDIO
825 S TAMiami TRAIL #1
VENICE, FL 34285
(727) 484-6762
CONTACT: MARK BEEBE, A.I.A.
MARKBEEBE@BEEBEDESIGNSTUDIO.COM

GENERAL PROJECT NOTES:

FIRE REQUIREMENTS:
WATER MAINS AND HYDRANTS SHALL BE COMPLETED AND IN SERVICE (PER PHASE) PRIOR TO COMMENCING VERTICAL CONSTRUCTION ON ANY BUILDING OR BRINGING COMBUSTIBLE STOCK ON SITE

CHARACTER AND INTENDED USE STATEMENT:
THE SITE CONSISTS OF CONSTRUCTION OF AN OFFICE BUILDING WITH ASSOCIATED PARKING AND UTILITY INFRASTRUCTURE.

WATER SERVICE: CITY OF VENICE

WASTEWATER SERVICE: CITY OF VENICE

GARBAGE: GARBAGE PICKUP WILL BE PROVIDED BY CITY OF VENICE

MAINTENANCE OF COMMON FACILITIES: ALL COMMON AREAS & SITE IMPROVEMENTS ARE TO BE OWNED AND MAINTAINED BY THE PROPERTY OWNER AND WILL NOT BE DEDICATED TO THE PUBLIC OR MAINTAINED BY THE PUBLIC.

EASEMENTS: NO EXISTING EASEMENTS ON-SITE

TREE LOCATION: THE SITE HAS EXISTING TREE VEGETATION THAT WILL BE REMOVED. REFER TO THE LANDSCAPE PLAN FOR THE TREE REMOVAL AND TREE PLANTING PLAN.

FEMA DESIGNATION: NO PORTIONS OF THE SITE ARE LOCATED IN A FLOOD ZONE

ENVIRONMENTAL AND SURFACE WATER MANAGEMENT SYSTEM: DRAINAGE SYSTEM WILL BE MAINTAINED BY THE PROPERTY OWNER'S ASSOCIATION

WELLS STATEMENT: NO WELLS EXIST ON THE PROPERTY. ANY WELLS DISCOVERED DURING EXCAVATION, EARTHMOVING OR CONSTRUCTION MUST BE REPORTED TO THE SARASOTA COUNTY ENVIRONMENTAL HEALTH WITHIN 24 HOURS OF DISCOVERY. ANY WELLS ON SITE THAT WILL NOT BE USED MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN AN APPROVED MANNER.

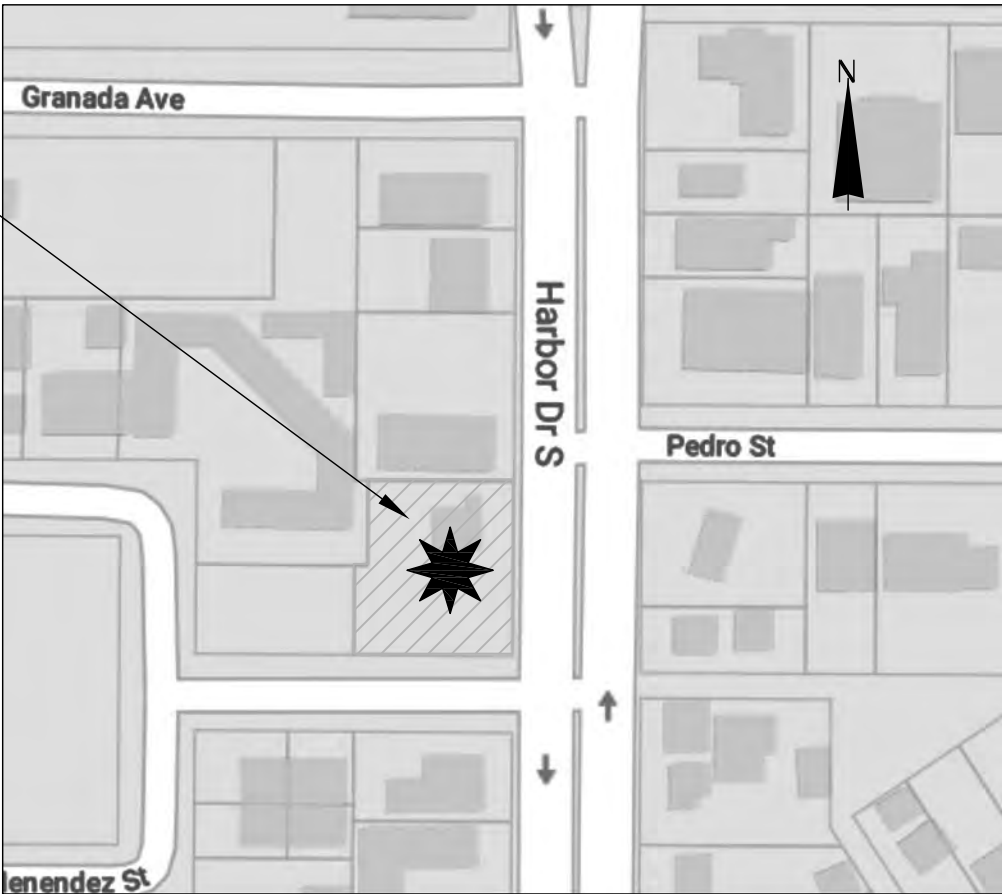
STATEMENT OF OWNERSHIP AND UNIFIED CONTROL:
CAITHNESS CONSTRUCTION, INC..
PO BOX 578
OSPREY, FL 34229
(941) 918-2417
CONTACT: MARK CAITHNESS

ADA STATEMENT: ALL SIDEWALK STREET CROSSINGS AT CURBS, GUTTERS AND INTERSECTIONS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND FLORIDA ACCESSIBILITY CODE

AREA CALCULATIONS:
TOTAL PROJECT AREA: 16,225 ± SF (0.37 ± ACRE)
EXISTING IMPERVIOUS: 6,627 ± SF (0.15 ± ACRE)
PROPOSED IMPERVIOUS: 9,791 ± SF (0.22 ± ACRE)

RIGHT-OF-WAY:
CONTRACTOR REQUIRED TO SOD ALL DISTURBED AREAS WITHIN THE RIGHT-OF-WAY

PROJECT
LOCATION



LOCATION MAP
SCALE: NTS



AERIAL MAP
SCALE: NTS

PROJECT
LOCATION

	DESCRIPTION	REVISION DATE
C1	COVER SHEET	6/22/18
C2-C3	GENERAL NOTES	
C4	DEMOLITION PLAN	6/22/18
C5	SITE PLAN	6/22/18
C6	GRADING AND DRAINAGE PLAN	6/22/18
C7	SWPP PLAN	6/22/18
C8	MASTER UTILITY PLAN	6/22/18
C9	STANDARD DETAILS	

BASIS OF BEARING NOTE:

BEARINGS SHOWN HEREON ARE BASED ON THE RECORD PLAT OF GULF VIEW SECTION OF VENICE, THE WEST RW LINE OF HARBOR DRIVE, BEING SOUTH.

ELEVATION NOTE:

ELEVATIONS SHOWN HEREON ARE BASED ON A NATIONAL GEODETIC SURVEY BENCHMARK, M-252, ELEVATION = 13.45' N.A.V.D. 1988.

REQUIRED CITY OF VENICE NOTES:

- ALL WORK CONDUCTED IN THE CITY OF VENICE RIGHT-OF-WAY (ROW) WILL REQUIRE THE ISSUANCE OF A ROW PERMIT.
- ALL WORK CONDUCTED IN SARASOTA COUNTY AND/OR FDOT ROW SHALL REQUIRE A COPY OF THE ISSUED PERMITS.
- TREE REMOVAL PERMIT MUST BE OBTAINED FROM SARASOTA COUNTY NATURAL RESOURCES DEPARTMENT.
- POST DEVELOPMENT RUNOFF DOES NOT EXCEED PRE-DEVELOPMENT RUNOFF VOLUME OR RATE FOR A 24-HOUR, 25-YEAR STORM EVENT; N/A ERP EXEMPTION.
- ALL FIRE SERVICE BACKFLOW ASSEMBLIES SHALL BE INSTALLED BY A CERTIFIED CONTRACTOR WITH A CLASS I, II, V CERTIFICATE OF COMPETENCY ISSUED BY THE STATE FIRE MARSHALL AS PER F.S. 633.521.
- CONSTRUCTION SITE MUST BE POSTED WITH 24-HOUR CONTACT INFORMATION.
- ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, SHALL MEET CITY OF VENICE STANDARDS.
- CONTACT PUBLIC WORKS SOLID WASTE DIVISION (941-486-2422) FOR APPROVAL OF DUMPSTER LOCATION AND LAYOUT PRIOR TO CONSTRUCTION.

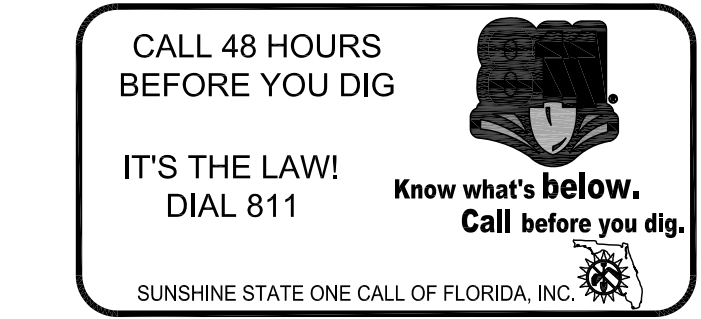
ENGINEER'S CERTIFICATION:

I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF THE DESIGN OF THIS PROJECT, AS PREPARED UNDER MY PERSONAL DIRECTION AND CONTROL, COMPLIES WITH ALL APPLICABLE STANDARDS, INCLUDING THE "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS" AS ADOPTED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION PURSUANT TO SUBSECTIONS 335.075(1) AND (4), FLORIDA STATUTES AND THE CITY OF VENICE LAND DEVELOPMENT REGULATIONS.

PERMITS REQUIRED:

CITY OF VENICE - S&D PERMIT
CITY OF VENICE - ENGINEERING PERMIT
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT - ERP PERMIT EXEMPTION

RECEIVED
6/29/18
PLANNING & ZONING



FLORIDA ENGINEERING
&
SURVEYING, LLC
631 N. TAMiami TRAIL TEL: (941) 485-3100
NOKOMIS, FLORIDA 34275 FAX: (941) 485-3107
www.flengineeringandsurveying.com
CA #30375 LB #8024

FLORIDA PROFESSIONAL ENGINEER:
JESSICA L. HEINY, P.E.
FL. REGISTRATION NO.: 75572
DATE:

ISSUE DATE: 3/23/18

GENERAL PROVISIONS:

1. THE GENERAL NOTES PRESENTED HEREIN ARE INTENDED TO SERVE AS A GUIDE TO THE CONTRACTOR AND ARE NOT INTENDED TO SUPERCEDE GOVERNING JURISDICTIONAL CRITERIA THAT MAY APPLY.
2. PRIOR TO CONSTRUCTION WORK, THE CONTRACTOR SHALL COORDINATE CLOSELY WITH THE DEVELOPER FOR TIMING OF CONSTRUCTION TASKS THAT MAY AFFECT ADJACENT PROPERTY USERS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION OF ALL WORK SHOWN OR IMPLIED ON THE CONSTRUCTION PLANS AND SHALL INCLUDE COST TO PERFORM AND INSTALL WORK ITEMS ON BID.
4. THE CONTRACTOR SHALL OBTAIN FROM THE DEVELOPER COPIES OF ALL AVAILABLE REGULATORY AGENCY PERMITS.
5. CONSTRUCTION ACTIVITIES THAT WILL RESULT IN THE DISTURBANCE OF ONE (1) OR MORE ACRES OF LAND ARE REQUIRED TO OBTAIN COVERAGE UNDER THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) AND FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES (CGP) IF STORMWATER FROM THE ACTIVITY HAS THE POTENTIAL TO ENTER A SURFACE WATER OF THE STATE OR A MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4). A CGP NOTICE OF INTENT (NOI) FORM MUST BE FILED WITH THE AGENCY HAVING JURISDICTION OVER THE NPDES PROGRAM AT LEAST 2 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION. COVERAGE WILL BE EFFECTIVE 48 HOURS AFTER THE POST-MARKED DATE OF THE COMPLETE NOI SUBMITTAL. THE OPERATOR OF THE PROJECT IS REQUIRED TO SIGN AND FILE THE NOI. THE OPERATOR IS THE ENTITY THAT OWNS OPERATES THE PROJECT AND HAS SUFFICIENT AUTHORITY TO ASSURE COMPLIANCE WITH THE PERMIT REQUIREMENTS. TYPICALLY, THE OPERATOR WILL BE THE OWNER, DEVELOPER, OR GENERAL CONTRACTOR. THE ARCHITECT/ENGINEER SHOULD NOT BE INDICATED AS THE OPERATOR AND SIGN THE NOI UNLESS THEY HAVE OPERATIONAL CONTROL OVER THE PROJECT. THE RESPONSIBLE AUTHORITY IS THE PERSON THAT HAS AUTHORITY TO SIGN THE NOI FOR THE OPERATOR. TO TERMINATE PERMIT COVERAGE, THE OPERATOR SHALL FILE A NOTICE OF TERMINATION (NOT) WITHIN 14 DAYS OF FINAL STABILIZATION OF THE SITE. THE CONTRACTOR SHALL KEEP ON SITE A COPY OF THE SWPPP, NOI, AND WATER MANAGEMENT DISTRICT PERMITS ISSUED, TOGETHER WITH THE INSPECTION REPORTS AND CURRENT PLANS, INCLUDING ANY MODIFICATIONS REQUIRED.
6. UNLESS OTHERWISE NOTED ON THE PLANS, THE CONTRACTOR SHALL USE THE GEOMETRY PROVIDED ON THE CONSTRUCTION PLANS. BENCHMARK INFORMATION SHALL BE PROVIDED TO THE CONTRACTOR BY THE DEVELOPER OR DEVELOPER'S SURVEYOR. ANY DISCREPANCIES BETWEEN FIELD MEASUREMENTS AND CONSTRUCTION PLAN INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
7. THIS SET OF PLANS MAY CONTAIN DRAWINGS PREPARED BY OTHER PROFESSIONALS, WHICH CONTAIN THE NAME, ADDRESS, AND LOGO OF THE PROFESSIONAL. FLORIDA ENGINEERING & SURVEYING, LLC IS NOT RESPONSIBLE FOR DRAWINGS PREPARED BY OTHER PROFESSIONALS.
8. THE CONTRACTOR SHALL SUBMIT A COPY OF THE SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING THE MATERIALS REQUIRED FOR CONSTRUCTION. PRIOR TO SUBMISSION, THE CONTRACTOR SHALL THOROUGHLY CHECK SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES FOR COMPLETENESS AND FOR COMPLIANCE WITH THE CONSTRUCTION PLANS. THE CONTRACTOR SHALL ALSO VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PERTAINING TO THE SHOP DRAWINGS AND SHALL COORDINATE ANY RELATED WORK. AT THE TIME OF SUBMISSION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF DEVIATIONS IN SUBMITTALS FROM THE REQUIREMENT OF THE CONTRACT DOCUMENTS. THE CONTRACTOR'S RESPONSIBILITY FOR ERRORS AND OMISSIONS IN SUBMITTALS IN NOT RELIEVED BY THE ENGINEER'S REVIEW OF SUBMITTALS.
9. THE CONTRACTOR SHALL PROTECT BENCHMARKS, PROPERTY CORNERS, AND OTHER SURVEY MONUMENTS FROM DAMAGE OR DISPLACEMENT. IF A MARKER NEEDS TO BE REMOVED, IT SHALL BE REFERENCED BY A LICENSED LAND SURVEYOR AND REPLACED, AS NECESSARY, BY SAME.
10. THE CONTRACTOR IS RESPONSIBLE FOR ALL QUALITY CONTROL TESTING. MINIMUM TESTING SHALL INCLUDE, BUT NOT BE LIMITED TO:

A. PIPING AND STRUCTURAL EXCAVATION, BEDDING, BACKFILL MATERIALS AND DENSITY TESTS.

B. DETERMINATION OF COMPACTIVE EFFORT NEEDED FOR COMPLIANCE WITH THE DENSITY REQUIREMENTS.

C. CONCRETE AND ASPHALT QUALITY CONTROL TESTING INCLUDING DESIGN MIX REVIEW, MATERIALS, FIELD SLUMP AND AIR CONTENT, AND FIELD AND LAB CURED STRENGTH SAMPLES AND TESTING.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REQUIRED TESTING OR APPROVALS FOR ANY WORK (OR ANY PART THEREOF) IF LAWS OR REGULATIONS OF ANY REGULATORY AGENCY SPECIFICALLY REQUIRE TESTING, INSPECTIONS OR APPROVAL. THE CONTRACTOR SHALL PAY ALL ASSOCIATED COSTS AND SHALL FURNISH THE DEVELOPER AND ENGINEER THE REQUIRED CERTIFICATES OF INSPECTION, TESTING OR APPROVAL.
12. ANY DESIGN OR TESTING LABORATORY UTILIZED BY THE CONTRACTOR SHALL BE AN INDEPENDENT LABORATORY ACCEPTABLE TO THE DEVELOPER AND THE ENGINEER, APPROVED IN WRITING, AND COMPLYING WITH THE LATEST EDITION OF THE "RECOMMENDED REQUIREMENTS FOR INDEPENDENT LABORATORY QUALIFICATION", PUBLISHED BY THE AMERICAN COUNCIL OF INDEPENDENT LABORATORIES.
13. ALL TEST RESULTS SHALL BE PROVIDED (PASSING & FAILING) ON A REGULAR AND IMMEDIATE BASIS TO THE DEVELOPER AND ENGINEER.
14. THE ENTIRE PROJECT SITE SHALL BE THOROUGHLY CLEANED AT THE COMPLETION OF THE WORK. CLEAN ALL INSTALLED PIPELINES, STRUCTURES, SIDEWALKS, PAVED AREAS, ACCUMULATED SILT IN PONDS AND/OR PIPES, AND ALL ADJACENT AREAS AFFECTED BY WORK. EQUIPMENT TO CLEAN THESE SURFACES SHALL BE SUBJECT TO APPROVAL BY THE DEVELOPER.

SANITARY SEWER SYSTEMS:

1. ALL SANITARY SYSTEMS TO CONFORM TO CITY OF VENICE DETAILS.

POTABLE WATER DISTRIBUTION SYSTEMS:

1. ALL POTABLE WATER SYSTEMS TO CONFORM TO CITY OF VENICE DETAILS.
2. CITY OF VENICE SHALL BE INVITED TO THE PRE-CONSTRUCTION MEETING, PRIOR NOTICE SHALL BE PROVIDED.
3. CONTRACTOR TO NOTIFY CITY OF VENICE AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION OR ANY REQUIRED TESTS.
4. CONTRACTOR TO SUBMIT ALL UTILITY SHOP DRAWINGS TO ENGINEER OF RECORD PRIOR TO CONSTRUCTION FOR APPROVAL.
5. ALL WATER MAIN SHUTDOWNS SHALL BE COORDINATED WITH CITY OF VENICE.

EXCAVATION, TRENCHING, AND FILL:

1. THE CONTRACTOR SHALL RECOGNIZE AND ABIDE BY ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) EXCAVATION SAFETY STANDARDS, INCLUDING THE FLORIDA TRENCH SAFETY ACT (FS 553.60-553.64). ANY MATERIAL, CONSTRUCTION METHODS, OR MATERIAL COST TO COMPLY WITH THESE LAWS SHALL BE INCIDENTAL TO THE CONTRACT AND THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE CONTRACTOR SHALL CONSULT THE GEOTECHNICAL REPORT FOR SOIL PREPARATION AND GENERAL EARTHWORK REQUIREMENTS.
3. ROUGH EXCAVATE AND GRADE ANY PROPOSED STORMWATER PONDS AT THE BEGINNING OF SITE GRADING ACTIVITIES. DIRECT SITE RUNOFF TO THE PONDS TO MINIMIZE RUNOFF TO OFF-SITE AREAS.
4. FIELD DENSITIES TESTING FREQUENCIES: A) ONE (1) TEST FOR EACH 10,000 SQUARE FEET OR FRACTION THEREOF PER LIFT OF GENERAL BACKFILLING, WITH A MINIMUM OF TWO (2) TESTS FOR EACH LAYER; B) ONE (1) TEST FOR EACH 100 SQUARE FEET OR FRACTION THEREOF OF BACKFILL AROUND AND UNDER STRUCTURES; C) ONE (1) TEST FOR EACH 300 LINEAL FEET OR FRACTION THEREOF PER LIFT OF GENERAL BACKFILLING IN THE PIPELINE TRENCH; D) ONE (1) TEST PER LIFT PER EACH CHANGE IN TYPE OF FILL; E) ONE (1) TEST PER 1000 SQUARE FEET OF PAVEMENT SUBGRADE, WITH A MINIMUM OF TWO (2) TESTS.
5. PREVIOUSLY-EXCAVATED MATERIALS CONFORMING TO THE FOLLOWING REQUIREMENTS SHALL BE UTILIZED WHENEVER POSSIBLE, UNLESS OTHERWISE DIRECTED BY GEOTECHNICAL REPORT:

A. ACCEPTABLE MATERIALS: AASHTO M145 CLASSIFICATION A-1, A-3, A-2-4, A-2-6; ASTM D2487 CLASSIFICATION GW, GP, GM, SM, SW, SP; UNLESS OTHERWISE DISAPPROVED WITHIN THE SOIL AND SUBSURFACE INVESTIGATION REPORTS. NO MORE THAN 12% OF ACCEPTABLE MATERIALS SHALL PASS THE NUMBER 200 SIEVE.

B. UNACCEPTABLE MATERIALS: AASHTO M145 CLASSIFICATION A-2-5, A-2-7, A-4, A-5, A-6, A-7, A-8; ASTM D2487 CLASSIFICATION GC, SC, ML, MH, CL, CH, OL, OH, PT; UNLESS OTHERWISE APPROVED WITHIN THE SOIL AND SUBSURFACE INVESTIGATION REPORTS.
6. PROVIDE BARRIERS, WARNING LIGHTS AND OTHER PROTECTIVE DEVICES AT ALL EXCAVATIONS.
7. SIDEWALKS, ROADS, STREETS, AND PAVEMENTS SHALL NOT BE BLOCKED OR OBSTRUCTED BY EXCAVATED MATERIALS, EXCEPT AS AUTHORIZED BY THE ENGINEER. IN WHICH CASE ADEQUATE TEMPORARY PROVISIONS MUST BE MADE FOR SATISFACTORY TEMPORARY SAFE PASSAGE OF PEDESTRIANS AND VEHICLES. MINIMIZE INCONVENIENCE TO PUBLIC TRAVEL OR TO ADJOINING PROPERTY USERS.
8. FURNISH, INSTALL, AND MAINTAIN, WITHOUT ADDITIONAL COMPENSATION, SHEETING, BRACING, AND SHORING SUPPORT REQUIRED TO KEEP EXCAVATIONS WITHIN THE PROPERTY OR EASEMENTS PROVIDED, TO SUPPORT THE SIDES OF THE EXCAVATION, AND TO PREVENT ANY MOVEMENT WHICH MAY DAMAGE ADJACENT PAVEMENTS OR STRUCTURES, DELAY THE WORK, OR ENDANGER LIFE AND HEALTH. VOIDS OUTSIDE THE SUPPORT SHALL BE IMMEDIATELY FILLED AND COMPACTED.
9. ALL EXCAVATIONS SHALL BE MADE BY OPEN CUT UNLESS OTHERWISE INDICATED. SLOPE SIDES OF TRENCHES SHALL BE IN ACCORDANCE WITH OSHA REQUIREMENTS AND THE RECOMMENDATIONS CONTAINED WITHIN THE GEOTECHNICAL REPORT.
10. EXCAVATE TRENCHES TO DEPTH INDICATED OR REQUIRED FOR FLOW LINES AND INVERT ELEVATIONS. OVER EXCAVATE TRENCHES A MINIMUM OF TWO (2) FEET WHERE EXCAVATIONS OCCUR WITHIN UNSUITABLE SOILS, AND REPLACE OVER-EXCAVATED MATERIAL WITH SUITABLE SOILS.
11. EXCEPT AS OTHERWISE INDICATED ON PLANS OR SPECIFICATIONS, EXCAVATE FOR PRESSURE PIPING SO TOP OF PIPING IS A MINIMUM OF THREE (3) FEET BELOW FINISHED GRADE.
12. TRENCH BOTTOMS AND THE BOTTOMS OF ALL STRUCTURES SHALL BE KEPT DRY, COMPACTED, AND STABLE TO A DEPTH TWO (2) FEET BELOW THE BOTTOM OF THE TRENCH OR STRUCTURE.
13. ALL BEDDING, FILL, AND BACKFILL MATERIAL SHALL BE SUITABLE SOILS OR FLOWABLE FILL. WHERE TRENCH OR EXCAVATION IS WITHIN THE INFLUENCE AREA OF ROADWAYS, STRUCTURES, FOUNDATIONS, OR SLABS, PLACE BACKFILL IN LAYERS OF 8-INCH LOOSE DEPTH. IN ALL OTHER AREAS, PLACE FILL AND BACKFILL IN LAYERS OF 12-INCH LOOSE DEPTH.
14. MINIMUM DENSITY REQUIREMENTS (ASTM D1557 OR AASHTO T190): FILL UNDER AND WITHIN THE INFLUENCE AREA OF ROADWAYS, STRUCTURES, SLABS, FOUNDATIONS = 98 PERCENT; POND AND ROADWAY EMBANKMENT FILL = 95 PERCENT; ALL OTHER AREAS = 90 PERCENT.

DEWATERING:

1. DESIGN AND PROVIDE DEWATERING SYSTEM USING ACCEPTED AND PROFESSIONAL METHODS CONSISTENT WITH CURRENT INDUSTRY PRACTICE. PROVIDE DEWATERING SYSTEM OF SUFFICIENT SIZE AND CAPACITY TO CONTROL GROUNDWATER IN A MANNER THAT PRESERVES STRENGTH OF FOUNDATION SOILS, DOES NOT CAUSE INSTABILITY OR RAVELING OF EXCAVATION SLOPES, AND DOES NOT RESULT IN DAMAGE TO EXISTING STRUCTURES. LOWER WATER LEVEL IN ADVANCE OF EXCAVATION BY UTILIZING WELLS, WELLPOINTS, OR SIMILAR POSITIVE CONTROL METHODS. MAINTAIN THE GROUNDWATER LEVEL TO A MINIMUM OF TWO (2) FEET BELOW EXCAVATIONS. PROVIDE PIEZOMETERS IF DIRECTED BY THE ENGINEER TO DOCUMENT THAT THE GROUNDWATER LEVEL IS BEING MAINTAINED.
2. BY ACCEPTABLE MEANS, CONTRACTOR SHALL CONTROL ALL WATER REGARDLESS OF SOURCE AND IS RESPONSIBLE FOR DISPOSAL OF THE WATER. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY SUPPLEMENTAL MEASURES TO CONTROL SEEPAGE, GROUNDWATER, OR ARTESIAN HEAD.
3. OPEN PUMPING WITH SUMPS AND DITCHES SHALL BE ALLOWED, PROVIDED IT DOES NOT RESULT IN BOILS, LOSS OF FINES, SOFTENING OF THE GROUND, OR INSTABILITY OF SLOPES. SUMPS SHALL BE LOCATED OUTSIDE OF LOAD BEARING AREAS SO THE BEARING SURFACES WILL NOT BE DISTURBED. WATER CONTAINING SILT IN SUSPENSION SHALL NOT BE PUMPED INTO SEWER LINES OR ADJACENT WATER BODIES. DURING NORMAL PUMPING AND UPON DEVELOPMENT OF WELL(S), LEVELS OF FINE SAND OR SILT IN THE DISCHARGE WATER SHALL NOT EXCEED (5) PPM.
4. IF DEWATERING EQUIPMENT EXCEEDS ANY OF THE FOLLOWING: (1) 6-INCH PUMP VOLUME, (2) 100,000 GPD TOTAL FOR 24-HOUR DEWATERING, AND (3) 1,000,000 GPD PUMP CAPACITY, THEN THE CONTRACTOR SHALL BE REQUIRED TO PERMIT THE DEWATERING SYSTEM WITH THE WATER MANAGEMENT DISTRICT.
5. CONTINUOUSLY MAINTAIN EXCAVATIONS IN A DRY CONDITION WITH POSITIVE DEWATERING METHODS DURING PREPARATION OF SUBGRADE, INSTALLATION OF PIPE, AND CONSTRUCTION OF STRUCTURES UNTIL THE CRITICAL PERIOD OF CONSTRUCTION AND/OR BACKFILL IS COMPLETED TO PREVENT DAMAGE OF SUBGRADE SUPPORT, PIPING, STRUCTURE, SIDE SLOPES, OR ADJACENT FACILITIES FROM FLotation OR OTHER HYDROSTATIC PRESSURE IMBALANCE.
6. WHEN CONSTRUCTION IS COMPLETE, PROPERLY REMOVE ALL DEWATERING EQUIPMENT FROM THE SITE, INCLUDING WELLS AND RELATED TEMPORARY ELECTRIC SERVICE.

STORM SEWER SYSTEMS:

1. CORRUGATED POLYETHYLENE (PE) PIPE AND FITTINGS SHALL BE HIGH DENSITY, IN ACCORDANCE WITH ASTM D3350, CELL CLASSIFICATION 324420C (4 INCHES - 10 INCHES) OR CELL CLASSIFICATION 335420C (12 INCHES- 36 INCHES). PIPE 4 INCHES - 10 INCHES SHALL COMPLY WITH AASHTO M252, TYPE S PIPE 12 INCHES - 36 INCHES SHALL COMPLY WITH AASHTO M294, TYPE S. BELL JOINTS FOR 4 INCHES - 10 INCHES PIPE SHALL BE PUSH-ON SLEEVE. BELL JOINTS FOR 12 INCHES - 36 INCHES PIPE SHALL BE INTEGRALLY FORMED ON PIPE. GASKETS SHALL BE INSTALLED BY PIPE MANUFACTURER AND SHALL COMPLY WITH ASTM D1056, GRADE 2A2. FITTINGS SHALL COMPLY WITH AASHTO M294.
2. ALL PIPE JOINTS SHALL BE WRAPPED WITH FILTER FABRIC. FILTER FABRIC SHALL BE IN ACCORDANCE WITH FDOT INDEX NO. 199, TYPE D-3, A.O.S. 70-100. INSTALL IN ACCORDANCE WITH FDOT INDEX NO. 280. PROVIDE MINIMUM 12-INCH OVERLAP.
3. INSTALL POLYETHYLENE PIPE IN ACCORDANCE WITH ASTM D2321. BACKFILL AND COMPACT EVENLY ON EACH SIDE TO PREVENT DISPLACEMENT.
4. PRIOR TO INSPECTIONS AND TESTING, CLEAN ALL INSTALLED LINES AND STRUCTURES.
5. ALL STORM PIPE SHALL BE SUBJECTED TO LEAKAGE TESTING. WHEN THE GROUNDWATER LEVEL IS ABOVE THE TOP OF THE PIPE, AN INFILTRATION TEST SHALL BE PERFORMED BY SEALING OFF A LENGTH OF PIPE AND MEASURING THE DEPTH OF FLOW OVER A MEASURING WEIR, OR BY PUMPING THE INFILTRATED WATER INTO CONTAINERS FOR MEASUREMENT. TESTS SHALL BE CONDUCTED FOR A MINIMUM OF FOUR (4) HOURS. INFILTRATION LEAKAGE SHALL NOT EXCEED 150 GALLONS PER 24 HOURS, PER INCH DIAMETER, PER MILE OF PIPE. WHEN THE GROUNDWATER LEVEL IS BELOW THE TOP OF THE PIPE, THE PIPE SHALL BE TESTED FOR LEAKAGE BY EXPLIFILTRATION, EXPLIFILTRATION LEAKAGE TEST SHALL CONSIST OF ISOLATING THE PARTICULAR SECTION, FILLING WITH WATER TO A POINT FOUR (4) FEET ABOVE THE TOP OF THE PIPE AT THE UPPER MANHOLE OR INLET, AND ALLOWING IT TO STAND NOT LESS THAN FOUR (4) HOURS. THE SECTION SHALL THEN BE REFILLED WITH WATER UP TO THE ORIGINAL LEVEL AND AFTER TWO (2) HOURS THE DROP IN WATER SURFACE SHALL BE MEASURED. THE COMPUTED LEAKAGE SHALL NOT EXCEED 150 GALLONS PER INCH DIAMETER, PER 24 HOURS, PER MILE OF PIPE.

MAINTENANCE OF TRAFFIC:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A MAINTENANCE OF TRAFFIC (M.O.T) PLAN PRIOR TO CONSTRUCTION. THE M.O.T. PLAN SHALL SHOW ALL PROPOSED TRAFFIC CONTROL SIGNS, PAVEMENT MARKINGS, BARRICADES, AND OTHER DEVICES AND SHALL DETAIL ALL PROPOSED CONSTRUCTION SEQUENCING. THE M.O.T. PLAN SHALL BE APPROVED BY THE ENGINEER, OWNER, AND ROADWAY JURISDICTIONAL AGENCY PRIOR TO CONSTRUCTION. ALL PROPOSED ROADWAY AND DRIVEWAY LANE CLOSURES SHALL BE RESTRICTED TO THE HOURS BETWEEN 9:00 AM AND 4:00 PM UNLESS OTHERWISE AUTHORIZED IN THE APPROVED M.O.T.
2. ALL CONSTRUCTION SIGNING AND MARKINGS SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND MAINTAINED DURING CONSTRUCTION IN ACCORDANCE WITH FDOT INDEX NO. 600 AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). THE PLACEMENT OF THE SIGNING AND MARKINGS SHALL BE APPROVED IN THE FIELD BY THE ENGINEER PRIOR TO CONSTRUCTION.
3. INSPECT TRAFFIC CONTROL DEVICES ON A DAILY BASIS TO ENSURE PLACEMENT OF BARRICADES AND FUNCTION OF LIGHTS IN MAINTAINED THROUGHOUT CONSTRUCTION.
4. CONTRACTOR SHALL CONTACT PROPERTY OWNERS TO BE AFFECTED BY CONSTRUCTION AND SHALL COORDINATE TEMPORARY DRIVEWAY CLOSURES AND SEQUENCING. MAINTAIN ACCESS FOR ALL PROPERTY OWNERS DURING CONSTRUCTION.
5. WET UNSTABILIZED AREAS AS NECESSARY TO CONTROL DUST.
6. ADJUST TRAFFIC CONTROL DEVICES AS REQUIRED UNDER EMERGENCY CONDITIONS.
7. THE CONTRACTOR SHALL COORDINATE ACTIVITIES WITH OTHER CONTRACTORS WHO MAY BE WORKING IN THE IMMEDIATE VICINITY.
8. IF WORK OCCURS WITHIN FIFTEEN (15) FEET OF ACTIVE ROAD TRAVEL LANES BUT NO CLOSER THAN TWO (2) FEET FROM THE EDGE OF PAVEMENT, SIGNAGE AND WARNING DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH FDOT INDEX NO. 600 AND 612.
9. TYPE I OR TYPE II BARRICADES AT 20-FEET CENTERS SHALL BE PLACED AND MAINTAINED ALONG THE EDGE OF THE ROAD WHEREVER DROP-OFFS OR OTHER HAZARDS EXIST, AND TO BLOCK ENTRANCE INTO COMPLETED OR PARTIALLY-COMPLETED PAVEMENT UNTIL SUCH PAVEMENTS ARE OPEN TO PUBLIC USE.

SITE PREPARATION:

1. UNLESS OTHERWISE DIRECTED BY THE DEVELOPER OR ENGINEER, THE CONTRACTOR SHALL CONTAIN ALL CONSTRUCTION ACTIVITIES WITHIN THE PROPERTY, RIGHT-OF-WAY (R.O.W.) AND EASEMENTS AS INDICATED ON THE DRAWINGS. AT NO TIME SHALL THE CONTRACTOR DISTURB SURROUNDING PROPERTIES OR TRAVEL ON SURROUNDING PROPERTIES WITHOUT WRITTEN CONSENT FROM THE PROPERTY OWNER. ANY REPAIR OR RECONSTRUCTION OF DAMAGED AREAS IN SURROUNDING PROPERTIES SHALL BE REPAIRED BY THE CONTRACTOR ON AN IMMEDIATE BASIS. ALL COSTS FOR REPAIRS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. STAKE OUT THE CONSTRUCTION AREA, ESTABLISH LINES AND LEVELS, TEMPORARY BENCH MARKS, BATTER BOARDS, CENTERLINES, BASELINES, AND REFERENCE POINTS FOR THE WORK, AND VERIFY ALL DIMENSIONS RELATING TO INTERCONNECTION WITH EXISTING FEATURES. REPORT ANY INCONSISTENCIES IN THE PROPOSED GRADES, LINES AND LEVELS, DIMENSIONS AND LOCATIONS TO THE ENGINEER BEFORE COMMENCING WORK.
3. PROTECT ALL TREES AND SHRUBS LOCATED OUTSIDE THE R.O.W., EASEMENTS, AND OWNER-SECURED PROPERTY, PARTICULARLY THOSE TREES AND SHRUBS LOCATED ADJACENT TO WORK AREAS.
4. WITHIN THE R.O.W., EASEMENTS, AND OWNER-SECURED PROPERTY, TREES AND SHRUBS SHALL REMAIN IN ACCORDANCE WITH THE FOLLOWING SCHEDULE: NEW ROADWAY CONSTRUCTION - TREES AND SHRUBS TO REMAIN WHERE LOCATED MORE THAN FIFTEEN (15) FEET FROM THE BACK OF CURB, OR OUTSIDE THE LIMITS OF EXCAVATION OR FILL AREAS, WHICHEVER IS FURTHER. UTILITY PIPELINE CONSTRUCTION - TREES AND SHRUBS TO REMAIN OUTSIDE A 15-FEET WIDE PATH, CENTERED ON THE PIPELINE.
5. TREES TO REMAIN IN THE CONSTRUCTION AREA SHALL BE BOXED, FENCED OR OTHERWISE PROTECTED IN ACCORDANCE WITH DETAILS ON THE DRAWINGS. DO NOT PERMIT HEAVY EQUIPMENT OR STOCKPILES WITHIN BRANCH SPREAD AREA. AREAS TO RECEIVE CLEARING AND GRUBBING SHALL INCLUDE ALL AREAS TO BE OCCUPIED BY THE PROPOSED IMPROVEMENTS, AREAS FOR FILL AND SITE GRADING, AND BORROW SITES. REMOVE TREES OUTSIDE OF THESE AREAS ONLY AS INDICATED ON THE DRAWINGS OR AS APPROVED IN WRITING BY THE ENGINEER.
6. EXERCISE EXTREME CARE DURING THE CLEARING AND GRUBBING OPERATIONS. DO NOT DAMAGE EXISTING STRUCTURES, PIPES, OR UTILITIES.
7. CLEARING SHALL CONSIST OF REMOVING TREES AND BRUSH AND DISPOSAL OF OTHER MATERIALS THAT ENCRoACH UPON OR OTHERWISE OBSTRUCT THE WORK.
8. GRUBBING SHALL CONSIST OF REMOVING AND DISPOSING OF STUMPS, ROOTS LARGER THAN TWO (2) INCHES IN DIAMETER, AND MATTED ROOTS. REMOVE TO A DEPTH OF NOT LESS THAN EIGHTEEN (18) INCHES BELOW THE ORIGINAL SURFACE LEVEL OF THE GROUND.
9. ALL COMBUSTIBLE DEBRIS AND REFUSE FROM SITE PREPARATION OPERATIONS SHALL BE PROPERLY REMOVED TO LEGAL OFF-SITE DISPOSAL AREAS.
10. DAMAGES AREAS SHALL BE REPLACED TO A CONDITION EQUAL TO OR BETTER THAN THE CONDITION PRIOR TO DISTURBANCE.

EARTHWORK:

1. GRADING SHOWN ON THESE PLANS ARE PROVIDED TO THE CONTRACTOR FOR GENERAL GRADING INTENT OF THE PROJECT. THE CONTRACTOR SHALL GRADE THE PROJECT AREA TO PROVIDE POSITIVE DRAINAGE. SMOOTH TRANSITIONS SHALL BE PROVIDED BETWEEN CONTOURS OR SPOT ELEVATIONS AS SHOWN ON THE PLANS TO ACCOMPLISH THE GRADING INTENT. ALL SLOPES SHALL BE STABILIZED IMMEDIATELY AFTER FINAL GRADING HAS BEEN COMPLETED. CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER PRIOR TO DEMOBILIZATION OF GRADING EQUIPMENT TO DETERMINE THAT GRADING INTENT HAS BEEN ACHIEVED.
2. ALL PAVING SURFACES IN INTERSECTIONS AND ADJACENT SECTIONS SHALL BE GRADED TO DRAIN POSITIVELY AND TO PROVIDE A SMOOTH TRANSITION OF DRIVING SURFACE FOR VEHICLES WITH NO SHARP BREAKS IN GRADE, AND NO UNUSUALLY STEEP OR REVERSE CROSS SLOPES. THE CONTRACTOR SHALL ACCOMPLISH THE ABOVE AND CONSULT THE ENGINEER SO THAT THE ENGINEER MAY MAKE ANY AND ALL REQUIRED INTERPRETATIONS OF THE PLANS OR GIVE SUPPLEMENTARY INSTRUCTIONS TO ACCOMPLISH THE INTENT OF THE PLANS.
3. UNIFoRMLY SMOOTH GRADE THE SITE. DEPRESSIONS FROM SETTLEMENT SHALL BE FILLED AND COMPACTED. TOPS OF BERMS SHALL BE REMOVED. FINISHED SURFACES SHALL BE REASONABLY SMOOTH, COMPACTED, FREE FROM IRREGULAR SURFACE CHANGES, AND COMPARABLE TO THE SMOOTHNESS OBTAINED BY BLADE GRADER OPERATIONS.
4. SLOPE GRADES TO DRAIN AWAY FROM STRUCTURES AT A MINIMUM OF ¼-INCH PER FOOT TEN (10) FEET. FINISHED SURFACES ADJACENT TO PAVED AREAS AND WITHIN TEN (10) FEET OF STRUCTURES SHALL BE WITHIN ONE (1) INCH OF THE PROPOSED GRADE.
5. NEWLY-GRADED AREAS SHALL BE PROTECTED FROM TRAFFIC AND EROSION. ALL SETTLEMENT OR WASHING AWAY THAT MAY OCCUR PRIOR TO SODDING OR ACCEPTANCE SHALL BE REPAIRED AND GRADES AND SLOPES RE-ESTABLISHED TO THE REQUIRED ELEVATIONS AT NO ADDITIONAL COST TO THE OWNER.
6. THE CONTRACTOR SHALL INSURE THAT AREAS DESIGNATED FOR COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) ARE CONSTRUCTED PER CURRENT GUIDELINES.

GENERAL
NOTES

CATHNESS
CONSTRUCTION

218 HARBOR DRIVE, S.

VENICE, FLORIDA

PROJECT #1710240

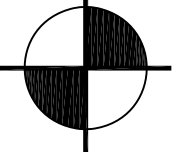
DESIGN ENGINEER:

JESSICA L. HEINY, P.E.

FLORIDA REGISTRATION NO.:

75572

FLORIDA ENGINEERING & SURVEYING, LLC



631 N. TAMAMI TRAIL, TEL. (941) 485-3100
NOKOMIS, FLORIDA 34275 FAX: (941) 485-3107
www.flengineeringandsurveying.com
CA #30375 LB #8024

DATE:
3/23/18

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6/29/18

PLANNING & ZONING

PAVING, SIDEWALK, AND CURBING

1.

MATERIALS AND CONSTRUCTION METHODS FOR THE ROADWAY AND PAVING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
2.

ROADWAY PAVING, BASE, AND SUBGRADE THICKNESS, MATERIAL STABILITY, AND DENSITY REQUIREMENTS SHALL BE IN ACCORDANCE WITH DETAILS ON THESE DRAWINGS AND THE AND THE GEOTECHNICAL REPORT.
3.

SIDEWALKS ARE TO BE CONSTRUCTED IN THE AREAS AS SHOWN ON THE CONSTRUCTION PLANS. THE SIDEWALK SHALL BE CONSTRUCTED OF MINIMUM 4 INCHES OF CONCRETE WITH A 28-DAYCOMPRESSION STRENGTH OF 2500 PSI. JOINTS SHALL BE EITHER TOoled OR SAW CUT AT A MAXIMUM DISTANCE OF 10 FEET. ACCESSIBLE RAMPS SHALL BE PROVIDED AT ALL INTERSECTIONS AND SHALL BE IN ACCORDANCE WITH THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION, LATEST EDITION.
4.

CURBING SHALL BE CONSTRUCTED WHERE NOTED ON THE CONSTRUCTION PLANS. CONCRETE FOR CURBS SHALL BE FDOT CLASS "1"CONCRETE WITH A MINIMUM 28-DAY COMPRESSION STRENGTH OF 3000 PSI. ALL CURBS SHALL HAVE SAW CUT CONTRACTION JOINTS AND SHALL BE CONSTRUCTED AT INTERVALS NOT TO EXCEED 10 FEET ON CENTER. CONSTRUCTION OF CURBS SHALL BE IN CONFORMANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION) SECTION 520 AND DETAILS PROVIDED ON THE CONSTRUCTION PLANS.
5.

FIELD COMPACTION DENSITY, STABILITY, AND THICKNESS TESTING FREQUENCIES OF SUBGRADE, BASE, AND ASPHALT SHALL BE TESTED ONCE EVERY 300 LINEAR FEET OF PAVING PER 24-FOOT WIDE STRIP, STAGGERED LEFT, CENTER AND RIGHT OF CENTERLINE. WHERE LESS THAN 300 LINEAR FEET OF SUBGRADE, BASE, AND ASPHALT IS PLACED IN ONE (1) DAY, PROVIDE MINIMUM OF ONE (1) TEST FOR EACH DAY'S CONSTRUCTION AT A LOCATION DESIGNATED BY THE ENGINEER. ASPHALT EXTRACTION GRADATION SHALL BE TESTED FROM GRAB SAMPLES AS COLLECTED ONCE EVERY 1800 SQUARE YARDS OF ASPHALT DELIVERED TO THE SITE (OR A MINIMUM OF ONCE PER DAY).
6.

PAVING TIME REQUIREMENTS ARE AS FOLLOWS:

A.

INSTALL SUBGRADE AND BASE COURSE MATERIALS WITHIN 48 HOURS OF THE REMOVAL/ OPEN CUTTING OF EXISTING PAVEMENT CONSISTING OF STREETS, DRIVEWAYS, OR SIDEWALK. INSTALL FINAL SURFACE COURSES WITHIN 14 DAYS AFTER REMOVAL OF EXISTING PAVEMENT.

B.

AREAS TO RECEIVE ASPHALT SHALL RECEIVE EROSION CONTROL MEASURES NO LATER THAN 48 HOURS AFTER ACCEPTANCE OF BASE COURSE. TEMPORARY EROSION CONTROL CONSISTS OF PLACEMENT OF THE STRUCTURAL COURSE.

C.

AREAS TO RECEIVE CONCRETE PAVING SHALL BE EITHER PROTECTED WITH A LAYER OF FDOT COARSE AGGREGATE MATERIAL OR SHALL BE PAVED WITHIN 48 HOURS OF ACCEPTANCE OF THE SUBGRADE.

SIGNS AND PAVEMENT MARKINGS

1.

ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND THE LATEST IMPLEMENTED EDITION EDITION OF FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS (INDEX NO. 9535, 11860, 11860, 11862, 11865, 17302, 17346 AND 17349 APPLY). GENERALLY , ALL MARKINGS SHALL CONFORM TO THE FOLLOWING: 6-INCH EDGE LINES, 6-INCH LANE LINES, 6-INCH SINGLE CENTERLINES, AND 6-INCH DOUBLE LINE PATTERNS. UNLESS OTHERWISE NOTED ON THE PLANS.
2.

ALL ROADWAY PAVEMENT MARKINGS IN THE RIGHT-OF-WAY SHALL BE PAINTED OR THERMOPLASTIC WITH RAISED PAVEMENT MARKERS (TYPE 911 - 4" x 4"), AS INDICATED ON PLANS. RAISED PAVEMENT MARKERS ARE TO BE INSTALLED IN ACCORDANCE WITH PLANS AND FDOT INDEX NO. 17352.
3.

ALL ROADWAY TRAFFIC SIGNS SHALL BE MANUFACTURED USING HIGH INTENSITY RETROREFLECTIVE MATERIALS . THE BACK OF ALL FINISHED PANELS SHALL BE STENCILED WITH THE DATE OF FABRICATION, THE FABRICATOR'S INITIALS, AND THE NAME OF THE SHEETING IN 3-INCH LETTERS.
4.

INTERNAL SITE TRAFFIC SIGNS ARE NOT REQUIRED TO BE REFLECTIVE.
5.

THE CONTRACTOR SHALL VERIFY THE REQUIRED LENGTH OF THE SIGN COLOMN SUPPORTS IN THE FIELD PRIOR TO FABRICATION.
6.

PRIOR TO FINAL PAVEMENT MARKING INSTALLATION, A CURE TIME OF THE ASPHALT PER THE MANUFACTURER'S SPECIFICATIONS IS REQUIRED.

ACCESSIBILITY

1.

SITE IMPROVEMENT SHALL COMPLY WITH THE AMERICANS WITH DISABILITY ACT AND THE FLORIDA ACCESSIBILITY CODE. THE CONTRACTOR SHALL FURNISH THE OWNER AND THE ENGINEER WITH PROOF THAT ALL APPLICABLE FEATURES AND AREAS OF THE SITE ARE IN COMPLIANCE WITH THE AFOREMENTIONED CRITERIA..

CONSTRUCTION ABANDONMENT PROCEDURE

1.

IF CONSTRUCTION OF IMPROVEMENTS IS TERMINATED PRIOR TO COMPLETION PER THE APPROVED CONSTRUCTION DOCUMENTS, THE OWNER SHALL REMOVE ANY CONSTRUCTION AND STOCKPILED VEGETATIVE DEBRIS AND FILL AND DISPOSE OF SUCH MATERIALS AT A LEGALLY- APPROVED OFF-SITE LOCATION. DISTURBED LAND SHALL BE ROUGH GRADED, SEEDED AND MULCHED.

CONSTRUCTION SCHEDULE:

1.

THE PROPOSED CONSTRUCTION SCHEDULE WILL BE 12-13 MONTHS AFTER COMMENCEMENT.

AS-BUILT DRAWINGS

1.

AS-BUILT DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR TO THE ENGINEER AT LEAST THREE (3) WEEKS PRIOR TO FINAL INSPECTION. ALL AS-BUILT DATA SHALL BE PROVIDED BY A STATE-LICENSED SURVEYOR, SIGNED, SEALED AND DATED BY THE RESPONSIBLE PARTY.
2.

AT THE COMPLETION OF THE WORK, DELIVER THE DRAWINGS DOCUMENTING AS-BUILT INFORMATION, MEASURED BY A LICENSED SURVEYOR, TO THE ENGINEER, IN GOOD CONDITION AND FREE FROM ANY EXTRANEOUS NOTATION. THE AS-BUILT INFORMATION IS TO INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:

A.

HORIZONTAL LOCATIONS FOR ALL UTILITY AND STORM STRUCTURES INCLUDING BUT NOT LIMITED TO MANHOLES, INLETS AND CLEANOUTS, INCLUDING STRUCTURE TOP AND INVERT ELEVATIONS.

B.

DISTANCE ALONG ALONG PIPELINES BETWEEN STRUCTURES.

C.

STORMWATER CONVEYANCE SYSTEMS INCLUDING DIMENSIONS, ELEVATIONS, CONTOURS, AND CROSS SECTIONS.

D.

HORIZONTAL LOCATIONS AND VERTICAL ELEVATIONS OF ALL UTILITY VALVES, FITTINGS, CONNECTION POINTS, ETC.

E.

VERTICAL ELEVATIONS OF ALL PIPELINES AT CROSSINGS OF POTABLE WATER MAINS (WHETHER THE WATER MAIN IS EXISTING OR NEW) IN ORDER TO DOCUMENT THAT THE MINIMUM REQUIRED VERTICAL SEPARATION HAS BEEN MET.

F.

UTILITY PIPELINE TIED HORIZONTALLY TO EDGE OF PAVEMENT AND RIGHT-OF-WAY LINES, LOCATED EVERY 200-FT PLUS CHANGES IN HORIZONTAL OFFSET.

G.

PAVEMENT WIDTH AND ELEVATIONS AT THE CENTERLINE AND EDGE OF PAVEMENT EVERY 200 FEET PLUS AT ALL CHANGES IN LONGITUDINAL SLOPE, CROSS SLOPE INLET LOCATIONS, AND AT ALL DRIVEWAY AND STREET INTERSECTIONS. FOR PARKING LOTS RECORD CENTERLINE AND EDGE OF PAVEMENT ELEVATIONS ALONG ALL DRIVE AISLES AND ISLANDS.

H.

ALL PARKING AREAS AND SIDEWALK RAMPS DESIGNATED FOR ADA ACCESS SHALL CONTAIN HORIZONTAL AND VERTICAL MEASUREMENTS IN ORDER TO VERIFY REQUIRED WIDTHS AND SLOPES HAVE BEEN MET.

I.

HORIZONTAL AND VERTICAL DATA FOR ANY CONSTRUCTION THAT DEVIATES FROM THE APPROVED ENGINEERING DRAWINGS.

J.

WHERE THE PLANS CONTAIN SPECIFIC HORIZONTAL LOCATION DATA, SUCH AS STATION AND OFFSET, THE AS-BUILT DRAWINGS ARE TO REFLECT THE ACTUAL HORIZONTAL LOCATION.

K.

WHERE THE PLANS CONTAIN SPECIFIC VERTICAL ELEVATION DATA, THE AS-BUILT DRAWINGS ARE TO REFLECT THE ACTUAL MEASURED VERTICAL ELEVATION.

L.

BENCHMARKS

NATIONAL POLLUTANT DISCHARGE SYSTEM:

1.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) COVERAGE UNDER THE STATE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES (AKA. CONSTRUCTION GENERIC PERMIT, OR CGP) IS REQUIRED FOR PROJECTS THAT CONTRIBUTE STORMWATER DISCHARGES TO SURFACE WATERS OF THE STATE (OR INTO A MUNICIPAL SEPARATE STORM SEWER SYSTEM - MS4); AND THAT DISTURB MORE THAN ONE ACRE OF LAND, OR LESS THAN ONE ACRE OF LAND IF PART OF A LARGER COMMON PLAN OF DEVELOPMENT.

SARASOTA COUNTY REQUIRES THE SUBMITTAL OF A COPY OF THE COMPLETED NOTICE OF INTENT (NOI), AND A COPY OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AS OUTLINED IN RULE 62-621.300(4)(A), F.A.C., AND IN ACCORDANCE WITH SEC. 54-187(G) (WATER POLLUTION CONTROL) OF THE SARASOTA COUNTY CODE. FOR ADDITIONAL ASSISTANCE THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS INFORMATION AVAILABLE AT ITS WEBSITE AT HTTP://WWW.DEF.STATE.FL.US/WATER/STORMWATER/NPDES/SWPPP.HTM.

2.

DEWATERING OPERATIONS THAT DISCHARGE OFFSITE, OR TO ONSITE SURFACE WATERS OF THE STATE, MAY BE COVERED UNDER THE CGP IF THE GROUNDWATER IS UNCONTAMINATED AS OUTLINED IN PART 3.4 OF THE GENERIC PERMIT. A SEPARATE PERMIT MAY BE REQUIRED FOR DISCHARGES FROM CONTAMINATED SITES.

APPLICANTS ARE URGED TO CONTACT THE SOUTH DISTRICT OF FDEP AT (239) 344-5600 FOR PERMITTING INFORMATION RELATING TO A SPECIFIC PROJECT.

GROUND WATER SAMPLING RESULTS MUST BE SUBMITTED TO SARASOTA COUNTY PRIOR TO THE COMMENCEMENT OF DEWATERING PURSUANT TO SEC. 54-185(B) OF THE WATER POLLUTION CONTROL CODE.

3.

ACCOMMODATIONS MUST BE MADE FOR THE PROPER HANDLING AND DISPOSAL OF WASTE MATERIALS, AND WASTEWATER. WASTEWATER DISCHARGES SHALL BE CONSISTENT WITH UTILITIES, AIR AND WATER QUALITY, AND ENVIRONMENTAL HEALTH SERVICES REGULATIONS. SEPARATE AGENCY PERMITTING (I.E. DEP) MAY BE REQUIRED. THE PLANS SHOULD SHOW AREAS THAT HAVE THE POTENTIAL TO BE SIGNIFICANT SOURCES OF POLLUTION SUCH AS EQUIPMENT AND VEHICLE WASH RACKS OR WASH AREAS; WASTE HANDLING FACILITIES; CHEMICAL, EQUIPMENT, AND MATERIAL STORAGE AREAS. FOOD SERVICE ESTABLISHMENTS MUST PROVIDE DEDICATED CAN WASH AREAS THAT ARE CONNECTED TO THE SANITARY SEWER.

4.

PLEASE NOTE THAT ACCOMMODATIONS MUST BE MADE FOR PROPER DISPOSAL OF OVERFLOW WATER AND FILTER BACKWASH WATER FROM PROPOSED SWIMMING POOLS. SUCH DISCHARGES SHALL BE CONSISTENT WITH AIR & WATER QUALITY AND ENVIRONMENTAL HEALTH SERVICES REGULATIONS. IF ADEQUATE PROVISIONS ARE MADE FOR DECHLORINATION, THE OVERFLOW WATER MAY BE DISCHARGED TO THE STORMWATER SYSTEM. FILTER BACKWASH WATER SHALL NOT BE DIRECTED TO THE STORMWATER SYSTEM, OR TO ANY SURFACE WATERS. IT SHALL BE DISCHARGED TO THE SANITARY SEWER, OR AN APPROVED DRAIN FIELD.

5.

PRIOR TO RENOVATION OR DEMOLITION OF EXISTING ON SITE STRUCTURES AN ASBESTOS SURVEY AND/OR ASBESTOS NOTIFICATION MAY BE REQUIRED.

6.

PLEASE DISCLOSE ANY KNOWN POLLUTION-RELATED ENVIRONMENTAL CONCERNS. PROVIDE COPIES OF ANY ENVIRONMENTAL SITE ASSESSMENT REPORTS. PROVIDE COPIES OF AGENCY CORRESPONDENCE RELATIVE TO COMPLETED REMEDIATION ACTIVITIES.

7.

RELATIVE TO THE LANDSCAPE DESIGN AND PLANS, PLEASE BE ADVISED THAT FERTILIZER APPLICATION MUST BE CONSISTENT WITH CHAPTER 54, ARTICLE XXXII (FERTILIZER AND LANDSCAPE MANAGEMENT) OF THE SARASOTA COUNTY CODE.

8.

THE CONSTRUCTION PLANS MUST INCLUDE AN EROSION AND SEDIMENT CONTROL PLAN SHOWING THE LOCATION OF, AND DETAILS OF, ALL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPS), ESPECIALLY PERIMETER CONTROLS, STABILIZATION OF SITE INGRESS/EGRESS POINTS (SOIL TRACKING PREVENTION MEASURES - TYPICALLY THE FORMER FDOT INDEX 106 OR EQUIVALENT), INLET PROTECTION, OUTLET STABILIZATION, AND PROTECTION OF RECEIVING WATERS AND STORMWATER CONVEYANCES. A DEWATERING PLAN IS REQUIRED IF DEWATERING DISCHARGE(S) ARE TO BE DIRECTED OFF SITE, OR TO ONSITE WETLANDS OR SURFACE WATERS. THE PLAN MUST INCLUDE A DETAIL OF SEDIMENT TRAPS OR BASINS.

9.

THE TECHNIQUES DEPICTED IN THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, JULY 2013, OR EQUIVALENT, SHALL SERVE AS THE BASIC DESIGN CRITERIA FOR EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPS).

POLLUTION PREVENTION NOTES:

- a.

EROSION AND SEDIMENT CONTROL BMPS IN ADDITION TO THOSE PRESENTED ON THE PLANS AND OUTLINED IN THE EROSION AND SEDIMENT CONTROL PLAN (ECP), BEST MANAGEMENT PRACTICES (BMP) PLAN, OR STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE IMPLEMENTED AS NECESSARY TO PREVENT TURBID DISCHARGES FROM FLOWING ONTO ADJACENT PROPERTIES OR ROADWAYS, OFF SITE STORMWATER CONVEYANCES OR RECEIVING WATERS, OR ON SITE WETLANDS AND SURFACE WATERS. BMPS SHALL BE DESIGNED, INSTALLED, AND MAINTAINED BY THE SITE OPERATOR TO ENSURE THAT OFF SITE SURFACE WATER QUALITY REMAINS CONSISTENT WITH STATE AND LOCAL REGULATIONS. [THE OPERATOR IS THE ENTITY THAT OWNS OR OPERATES THE CONSTRUCTION ACTIVITY AND HAS AUTHORITY TO CONTROL THOSE ACTIVITIES AT THE PROJECT NECESSARY TO ENSURE COMPLIANCE.]
- b.

OFF SITE SURFACE WATER DISCHARGES, DISCHARGES TO THE MS4, OR DISCHARGES TO ONSITE WETLANDS OR SURFACE WATERS WITH TURBIDITY IN EXCESS OF 29 NEPHELOMETRIC TURBIDITY UNITS (NTUS) ABOVE BACKGROUND LEVEL SHALL BE IMMEDIATELY CORRECTED. SUCH INCIDENTS SHALL BE REPORTED TO SARASOTA COUNTY WITHIN 24 HOURS OF THE OCCURRENCE (PH: 941.861.5000; EMAIL: REPORTPOLLUTION@SCGOV.NET). THE REPORT SHALL INCLUDE THE CAUSE OF THE DISCHARGE AND CORRECTIVE ACTIONS TAKEN.
- c.

THE OPERATOR SHALL ENSURE THAT ADJACENT PROPERTIES ARE NOT IMPACTED BY WIND EROSION, OR EMISSIONS OF UNCONFINED PARTICULATE MATTER IN ACCORDANCE WITH RULE 62-296.320(4)(C)1, F.A.C., BY TAKING APPROPRIATE MEASURES TO STABILIZE AFFECTED AREAS.
- d.

FUEL AND OTHER PETROLEUM PRODUCT SPILLS THAT ENTER STORMWATER DRAINS OR WATERBODIES, OR FUEL AND OTHER PETROLEUM PRODUCT SPILLS THAT ARE IN EXCESS OF 25 GALLONS SHALL BE CONTAINED, CLEANED UP, AND IMMEDIATELY REPORTED TO SARASOTA COUNTY (PH: 941.861.5000; EMAIL: REPORTPOLLUTION@SCGOV.NET). SMALLER GROUND SURFACE SPILLS SHALL BE CLEANED UP AS SOON AS PRACTICAL.
- e.

IF PREVIOUSLY UNKNOWN RECOGNIZED ENVIRONMENTAL CONDITIONS (E.G. CONTAMINATED SOIL AND/OR GROUNDWATER, BURIED WASTES, ETC.) ARE DISCOVERED DURING DEVELOPMENT OF THE SITE, ALL ACTIVITY IN THE IMMEDIATE VICINITY SHALL CEASE, AND SARASOTA COUNTY SHALL BE CONTACTED (PH: 941.861.5000; EMAIL: REPORTPOLLUTION@SCGOV.NET).
- f.

PRIOR TO RENOVATION OR DEMOLITION OF EXISTING ON SITE STRUCTURES AN ASBESTOS SURVEY AND/OR ASBESTOS NOTIFICATION MAY BE REQUIRED.
- g.

FERTILIZER APPLICATION SHALL BE CONSISTENT WITH CHAPTER 54, ARTICLE XXXII (FERTILIZER AND LANDSCAPE MANAGEMENT) OF THE SARASOTA COUNTY CODE.
- h.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM - STORMWATER:
- i.

NPDES CONSTRUCTION GENERIC PERMIT COVERAGE SHALL BE OBTAINED AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION COMMENCEMENT IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES (AKA. CONSTRUCTION GENERIC PERMIT, OR CGP).
- ii.

A COPY OF THE CERTIFIED NPDES NOI, OR A COPY OF THE FDEP COVERAGE CONFIRMATION LETTER SHALL BE POSTED AT THE SITE IN ACCORDANCE WITH PART 2.6 OF THE GENERIC PERMIT, AND AS PER SEC 54-187(G)(1) OF THE SARASOTA COUNTY CODE.
- iii.

A COPY OF THE CERTIFIED NPDES NOI, OR A COPY OF THE FDEP COVERAGE CONFIRMATION LETTER SHALL BE PROVIDED TO SARASOTA COUNTY WITHIN 7 CALENDAR DAYS IN ACCORDANCE WITH PART 2.6 OF THE GENERIC PERMIT, AND SEC. 54-187(G)(1) OF THE SARASOTA COUNTY CODE.
- iv.

THE SWPPP SHALL BE CERTIFIED IN ACCORDANCE WITH PART 4.6 OF THE GENERIC PERMIT, AND A COPY OF THE CERTIFIED DOCUMENT SHALL BE SUBMITTED TO SARASOTA COUNTY AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION PER SEC 54-187(G)(1) OF THE SARASOTA COUNTY CODE.
- v.

A COPY OF THE SWPPP, AND COPIES OF THE INSPECTION AND MAINTENANCE RECORDS SHALL BE MAINTAINED AT THE PROJECT SITE, AND SHALL BE READILY AVAILABLE TO COUNTY OR STATE INSPECTORS PER SEC 54-187(G)(1) OF THE SARASOTA COUNTY CODE.
- i.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM - DEWATERING:

IF NOT OTHERWISE COVERED AS OUTLINED UNDER PART 3.4 OF THE GENERIC PERMIT, THE DISCHARGE OF GROUNDWATER PRODUCED THROUGH DEWATERING, TO SURFACE WATERS, OR TO ANY PORTION OF THE MS4 WILL REQUIRE SEPARATE PERMITTING FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP). PERMIT(S) SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF DEWATERING. ANALYTICAL RESULTS FROM PRE-DISCHARGE TESTING SHALL BE PROVIDED TO SARASOTA COUNTY PURSUANT TO SECTION 54-185(B) OF THE SARASOTA COUNTY CODE.

11.

OTHER PERMITS

- a.

STORMWATER:

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES (AKA CONSTRUCTION GENERIC PERMIT OF CGP) PER DEP DOCUMENT 62-621.300(4)(A).

- b.

DEWATERING:

GENERIC PERMIT FOR DISCHARGES FROM PETROLEUM CONTAMINATED SITES (DEP DOCUMENT 62-621.300(1)); OR, GENERIC PERMIT FOR THE DISCHARGE OF GROUNDWATER FROM DEWATERING OPERATIONS (DEP DOCUMENT 62-621.300(2)); OR, INDIVIDUAL PERMIT PURSUANT TO CHAPTER 62, FLORIDA ADMINISTRATIVE CODE (F.A.C.).

- c.

ENVIRONMENTAL RESOURCE PERMITTING:

ENVIRONMENTAL RESOURCE PERMITTING IS A STATE PROGRAM (WHEREAS THE NPDES PERMITTING NOTED ABOVE IS A FEDERAL PROGRAM DELEGATED TO THE STATE). THE ERP PROGRAM IS SEPARATE AND APART FROM THE NPDES PROGRAM.

TREE PROTECTION:

1.

NO CLEARING WITH HEAVY EQUIPMENT, FILLING, OR PLACEMENT OF IMPROVEMENTS OR UTILITY LINES SHALL OCCUR WITHIN THE PROTECTED ROOT ZONE OF ANY CANOPY TREE TO BE SAVED, PER SECTION 54-588 (1) (B) OF SARASOTA COUNTY CODE. THE PROTECTED ROOT ZONE IS DEFINED AS THE DRIPLINE OF THE TREE. ONLY HAND CLEARING OR MOWING IS PERMITTED WITHIN THE PROTECTED ROOT ZONE OF CANOPY TREES TO BE SAVED IF AUTHORIZED BY THE ADMINISTRATOR. WHERE UNAUTHORIZED REMOVAL OF NATIVE VEGETATION WITHIN THE PROTECTED ROOT ZONE OCCURS THE ADMINISTRATOR MAY REQUIRE THE REPLANTING OF UNDERSTORY VEGETATION. FULL DRIPLINE PROTECTION IS REQUIRED; HOWEVER THE ADMINISTRATOR MAY ALLOW CERTAIN ACTIVITIES TO BE CONDUCTED WITHIN THE BARRICADED DRIPLINE OF A TREE, SO LONG AS THE COUNTY DETERMINES THAT THE TREE WILL NOT BE ADVERSELY AFFECTED.
2.

A TREE PERMIT WILL BE REQUIRED PRIOR TO ANY CONSTRUCTION, NATIVE VEGETATIVE REMOVAL WITHIN THE DRIPLINE OF A TREE, AND/OR TREE REMOVAL.

DATE

REVISIONS

NO.

GENERAL
NOTES

CATHNESS
CONSTRUCTION

218 HARBOR DR.
VENICE, FLORIDA PROJECT #1710240

DESIGN ENGINEER:
JESSICA L. HEINY, P.E.

FLORIDA REGISTRATION NO.:
75572

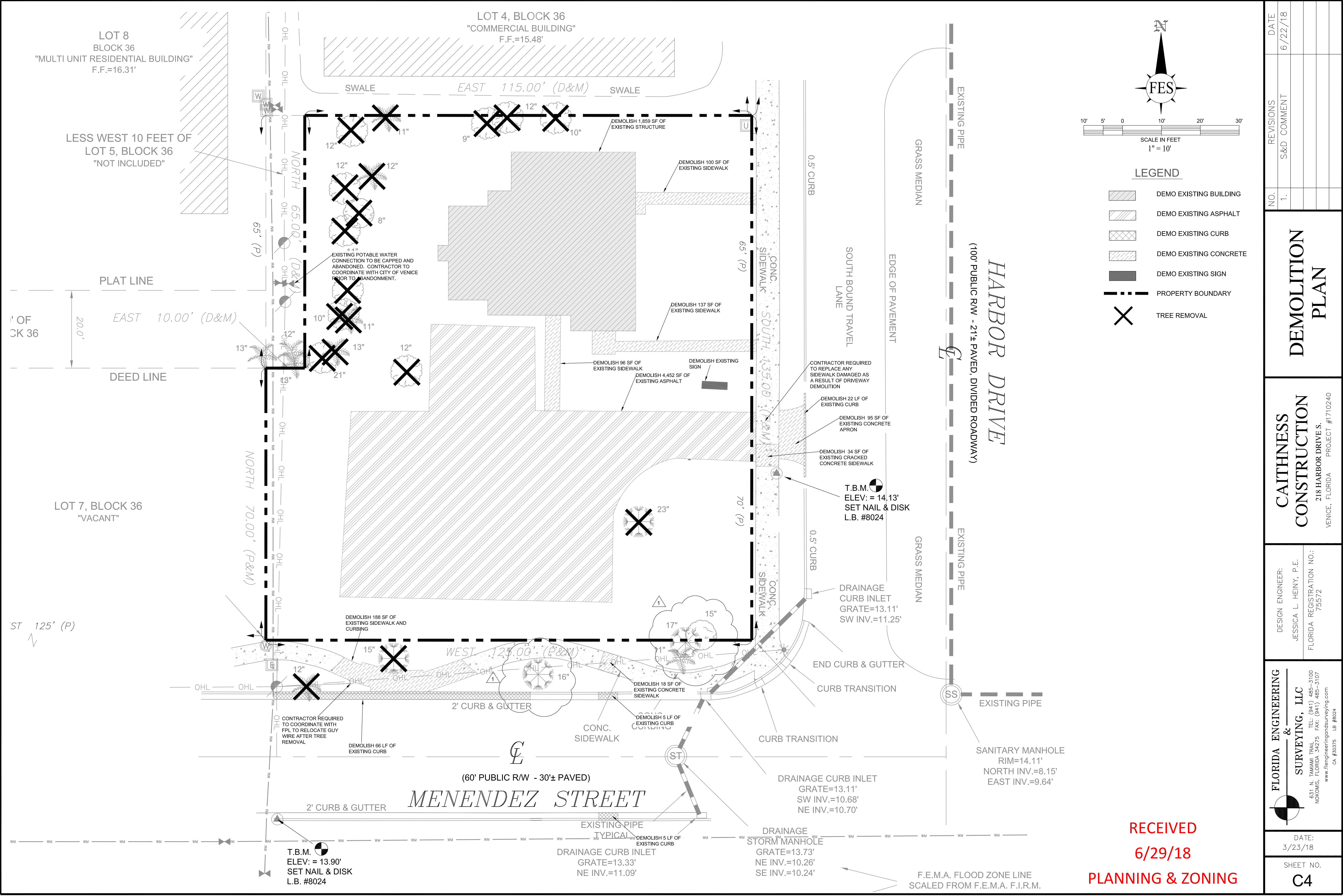
FLORIDA ENGINEERING
&
SURVEYING, LLC

631 N. TAMAMI TRAIL, TEL: (941) 485-3100
NOKOMIS, FLORIDA 34275 FAX: (941) 485-3107
www.flengineeringandsurveying.com
CA #30375 LB #8024

DATE:
3/23/18

SHEET NO.
C3

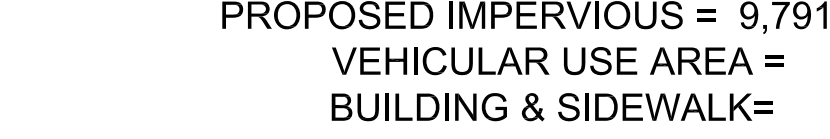
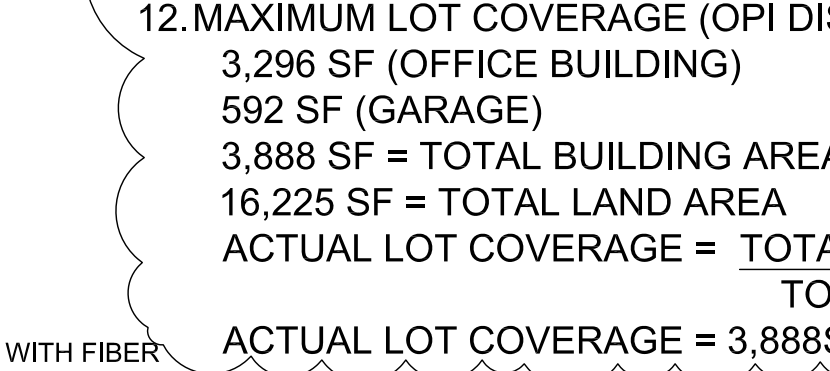
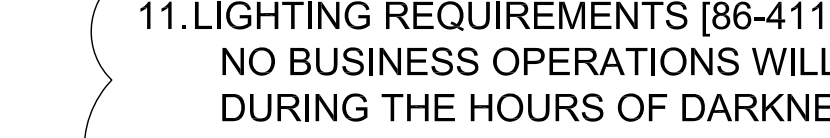
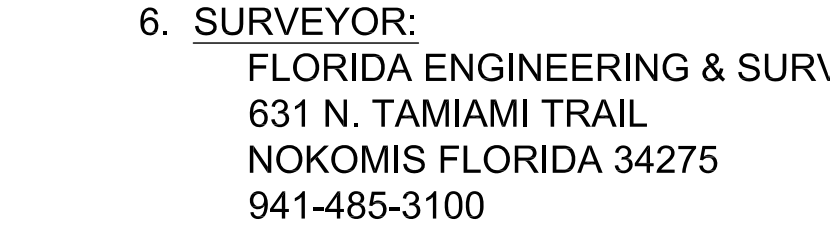
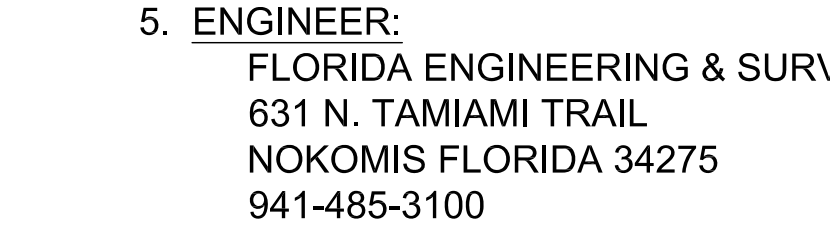
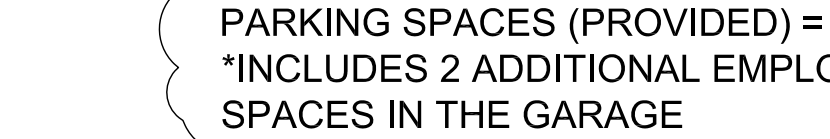
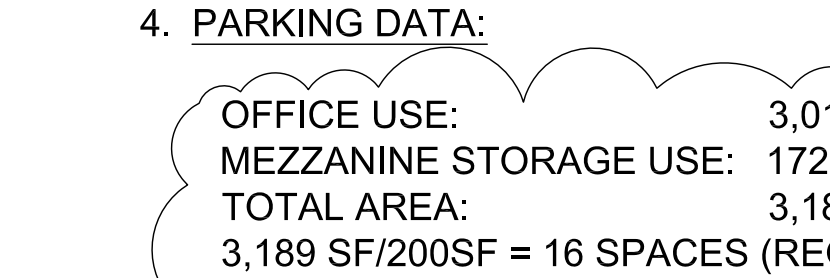
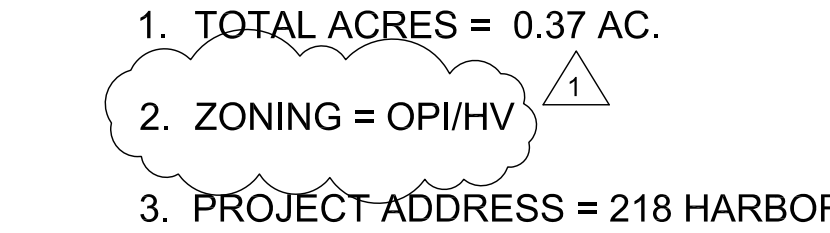
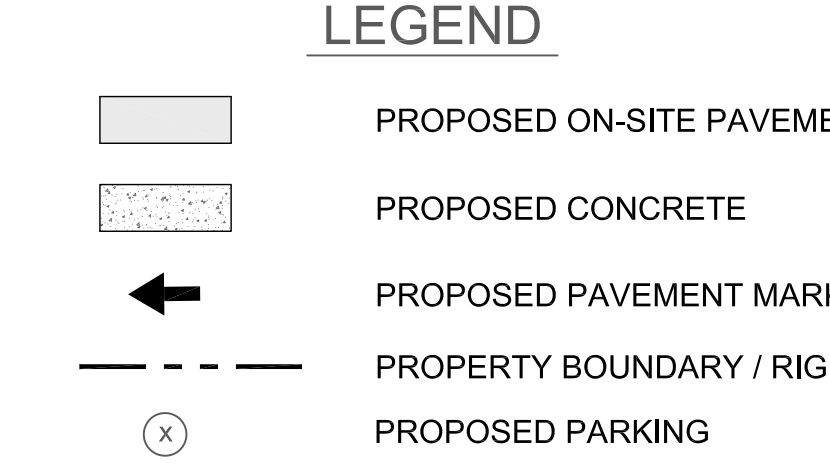
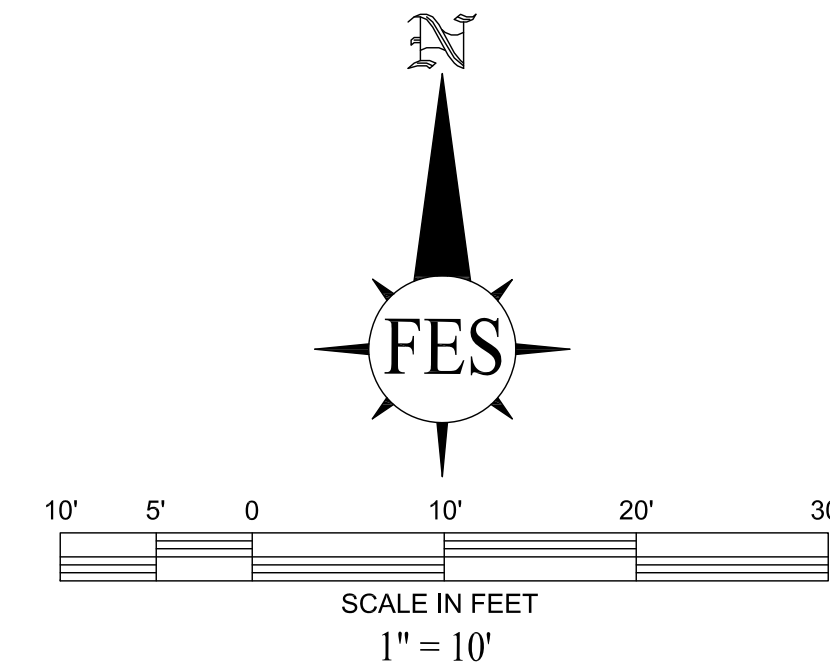
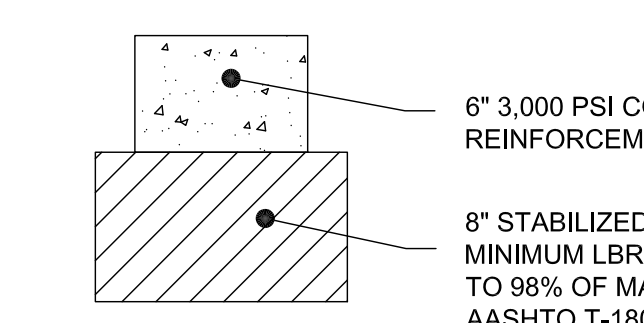
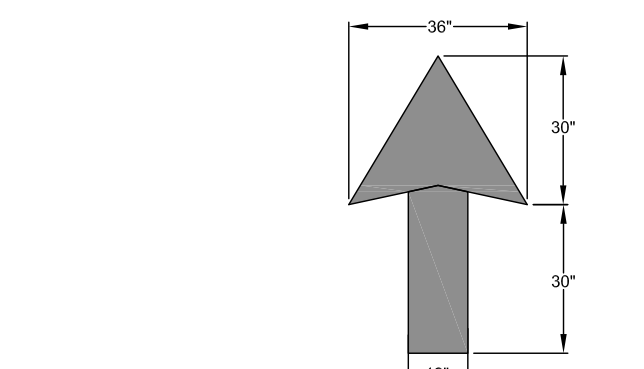
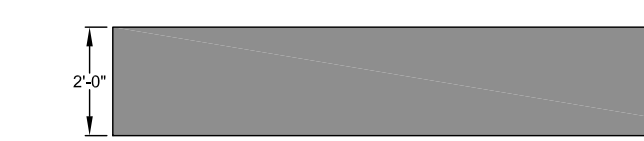
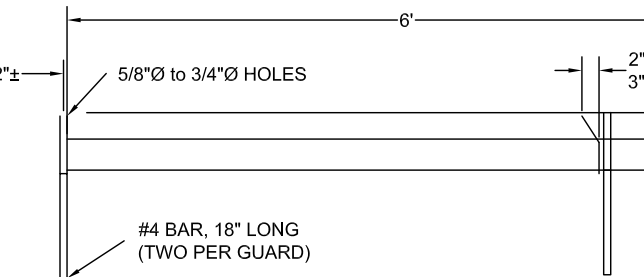
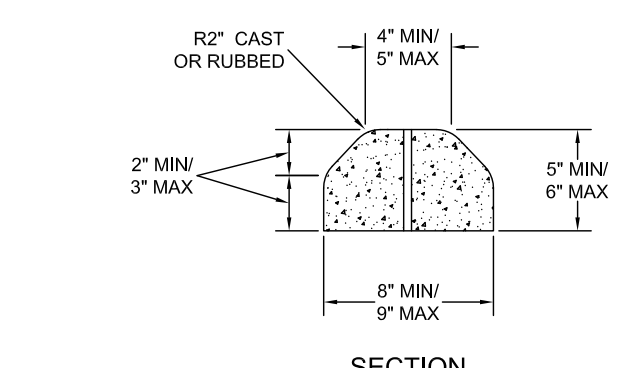
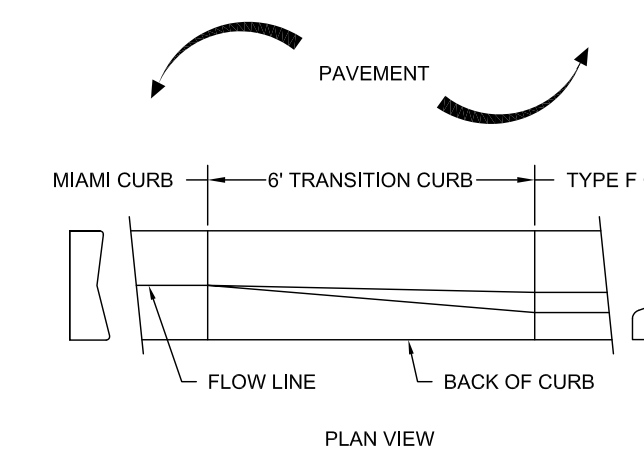
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NO.	REVISIONS	DATE
1.	S&D COMMENT	6/22/18

CAITHNESS CONSTRUCTION	DESIGN ENGINEER: JESSICA L. HEINY, P.E. FLORIDA REGISTRATION NO.: 75572
218 HARBOR DRIVE S, VENICE, FLORIDA	FLORIDA ENGINEERING & SURVEYING, LLC 631 N. TAMAMI TRAIL NOKOMIS, FLORIDA 34275 TEL: (941) 485-3100 FAX: (941) 485-3107 www.fheengineeringandsurveying.com CA #50275 LB #8024

DEMOLITION PLAN	DATE: 3/23/18
	SHEET NO. C4




NO.	REVISIONS	DATE
1.	S&D COMMENT	6/22/18

SITE PLAN

**CAITHNESS
CONSTRUCTION**
218 HARBOR DRIVE S.
VENICE, FLORIDA PROJECT #1712240

DESIGN ENGINEER:
JESSICA L. HEINY, P.E.
FLORIDA REGISTRATION NO.:
75572



**FLORIDA ENGINEERING
&
SURVEYING, LLC**

631 N. MIAMI TRAIL, TEL: (941) 485-3100
NOKOMIS, FLORIDA 33475 FAX: (941) 485-3107
www.flengineeringandsurveying.com

CA #30375 LB #8024

DATE:
3/23/18

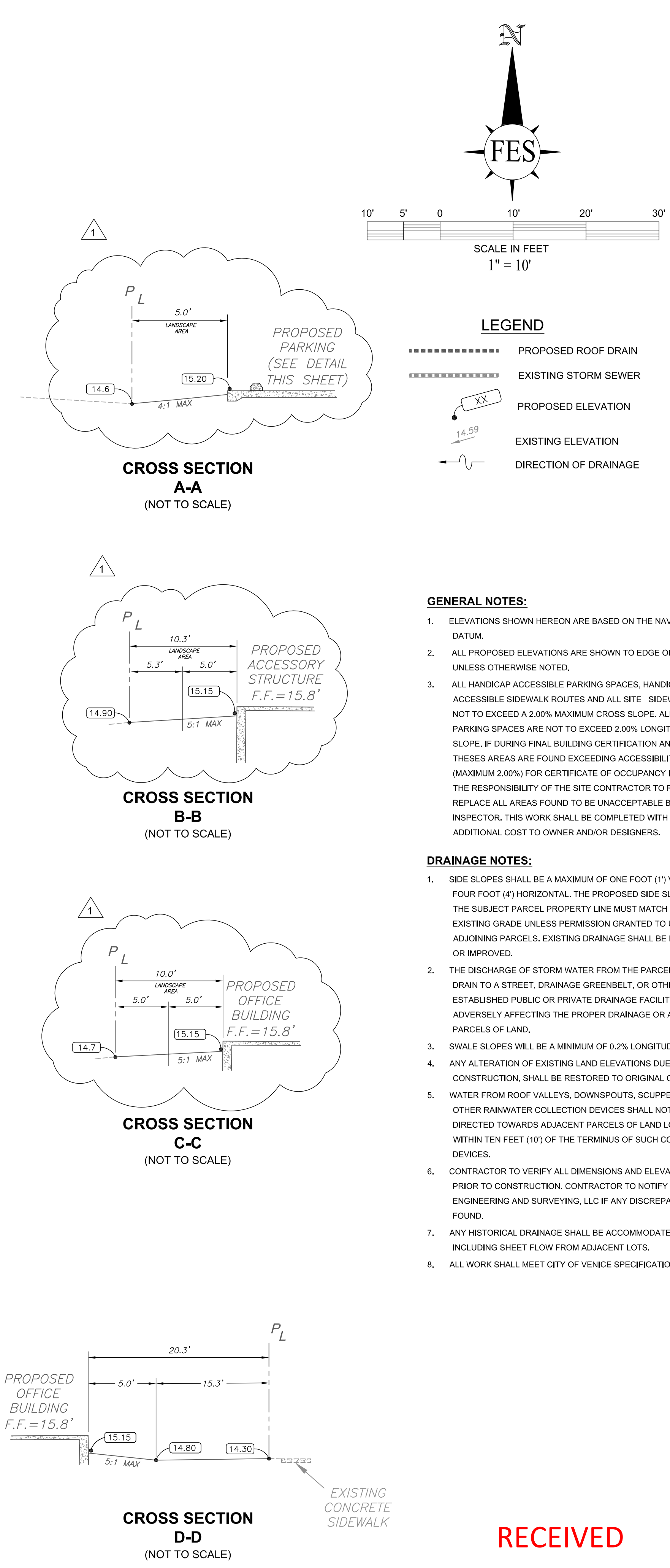
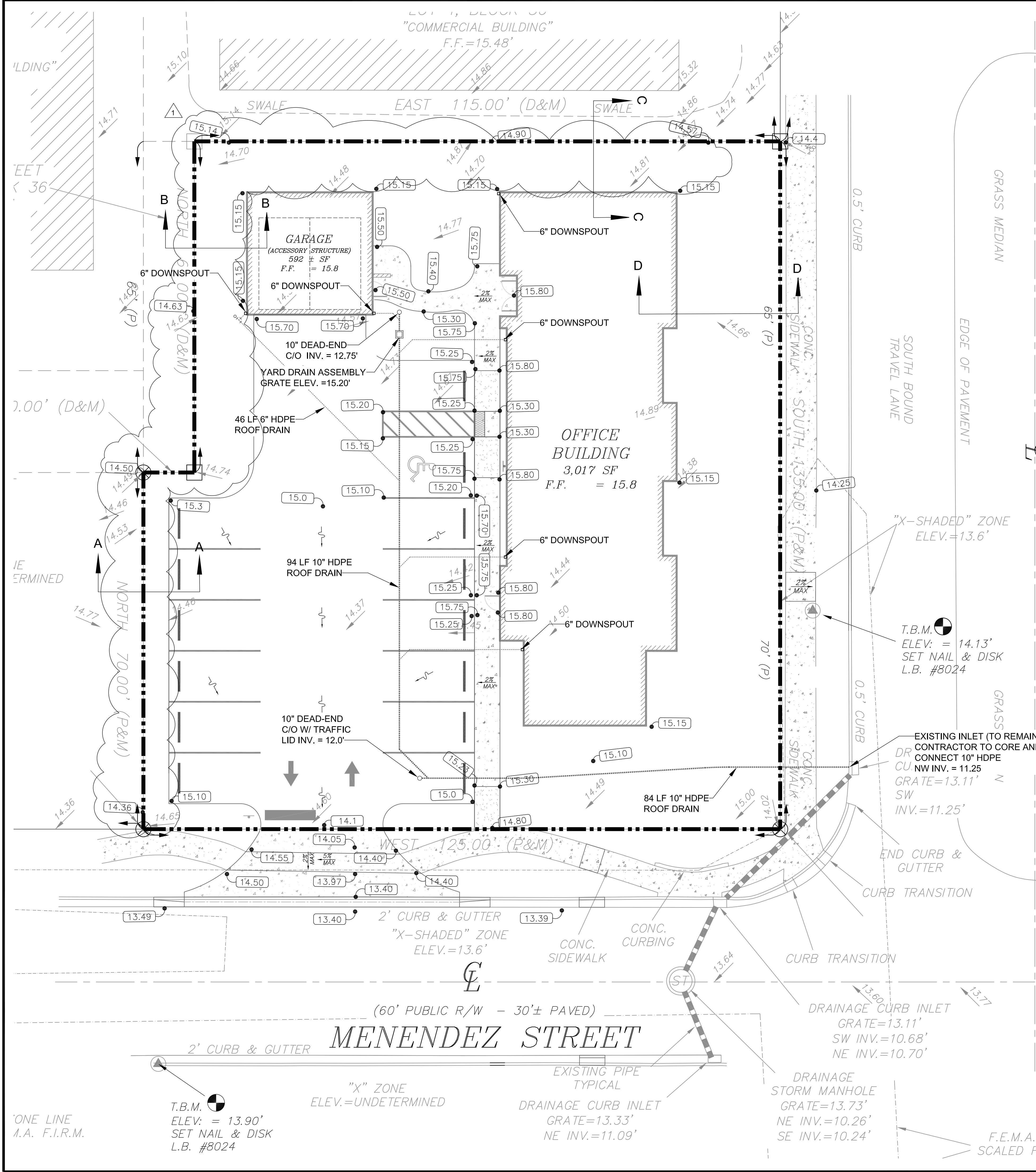
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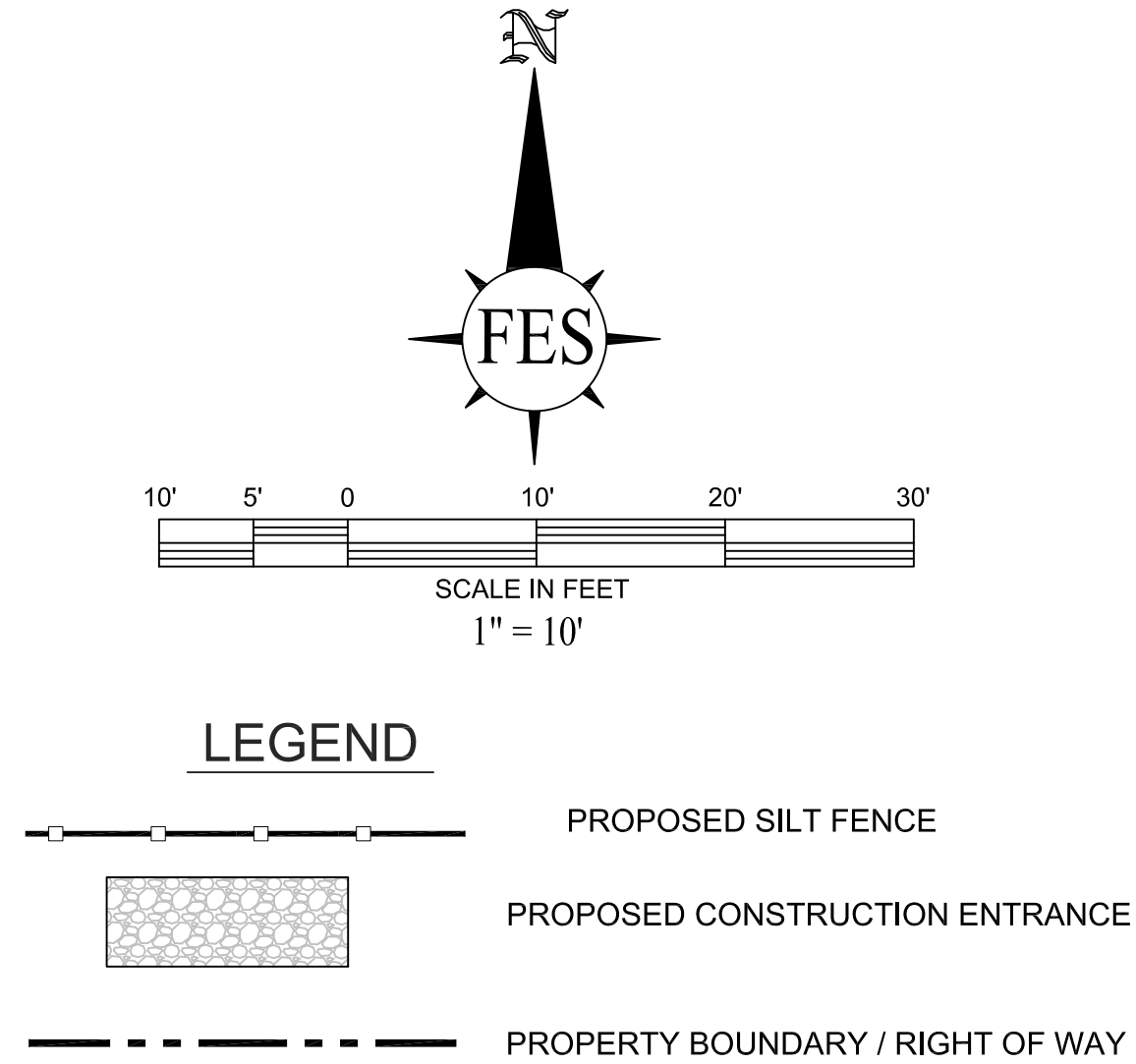
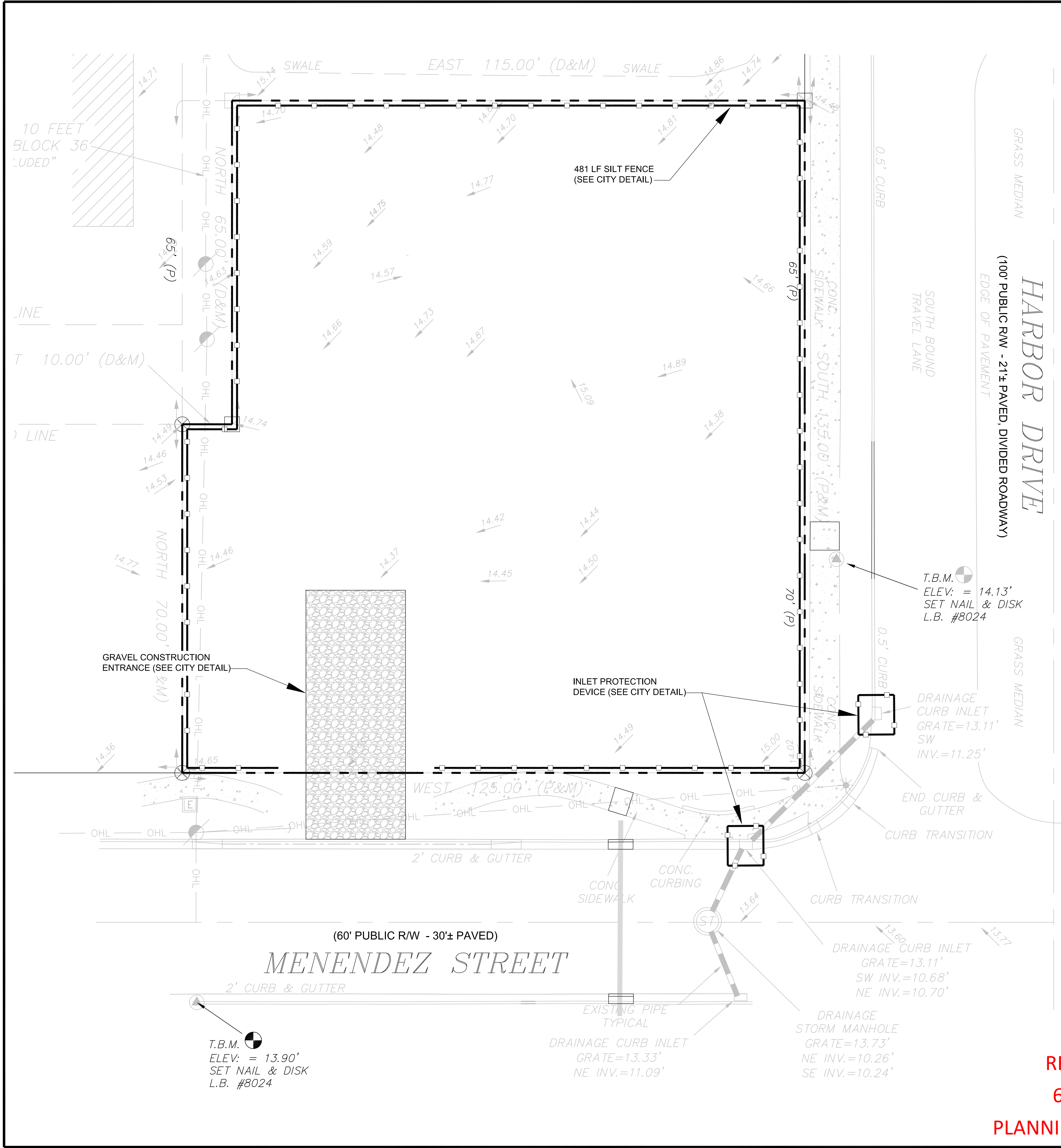
F.E.M.A. FLOOD ZONE



- GENERAL NOTES:**
- ELEVATIONS SHOWN HEREON ARE BASED ON THE NAVD 1988 DATUM.
 - ALL PROPOSED ELEVATIONS ARE SHOWN TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
 - ALL HANDICAP ACCESSIBLE PARKING SPACES, HANDICAP ACCESSIBLE SIDEWALK ROUTES AND ALL SITE SIDEWALKS ARE NOT TO EXCEED A 2.00% MAXIMUM CROSS SLOPE. ALL HANDICAP PARKING SPACES ARE NOT TO EXCEED 2.00% LONGITUDINAL SLOPE. IF DURING FINAL BUILDING CERTIFICATION ANY OF THESE AREAS ARE FOUND EXCEEDING ACCESSIBILITY LIMITS (MAXIMUM 2.00%) FOR CERTIFICATE OF OCCUPANCY IT SHALL BE THE RESPONSIBILITY OF THE SITE CONTRACTOR TO REMOVE AND REPLACE ALL AREAS FOUND TO BE UNACCEPTABLE BY INSPECTOR. THIS WORK SHALL BE COMPLETED WITH NO ADDITIONAL COST TO OWNER AND/OR DESIGNERS.
- DRAINAGE NOTES:**
- SIDE SLOPES SHALL BE A MAXIMUM OF ONE FOOT (1') VERTICAL TO FOUR FOOT (4') HORIZONTAL. THE PROPOSED SIDE SLOPE ALONG THE SUBJECT PARCEL PROPERTY LINE MUST MATCH THE EXISTING GRADE UNLESS PERMISSION GRANTED TO USE THE ADJOINING PARCELS. EXISTING DRAINAGE SHALL BE MAINTAINED OR IMPROVED.
 - THE DISCHARGE OF STORM WATER FROM THE PARCEL SHALL DRAIN TO A STREET, DRAINAGE GREENBELT, OR OTHER ESTABLISHED PUBLIC OR PRIVATE DRAINAGE FACILITY WITHOUT ADVERSELY AFFECTING THE PROPER DRAINAGE OR ADJOINING PARCELS OF LAND.
 - SWALE SLOPES WILL BE A MINIMUM OF 0.2% LONGITUDINAL SLOPE.
 - ANY ALTERATION OF EXISTING LAND ELEVATIONS DUE TO CONSTRUCTION, SHALL BE RESTORED TO ORIGINAL CONDITION.
 - WATER FROM ROOF VALLEYS, DOWNSPOUTS, SCUPPERS, OR OTHER RAINWATER COLLECTION DEVICES SHALL NOT BE DIRECTED TOWARDS ADJACENT PARCELS OF LAND LOCATED WITHIN TEN FEET (10') OF THE TERMINUS OF SUCH COLLECTION DEVICES.
 - CONTRACTOR TO VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY FLORIDA ENGINEERING AND SURVEYING, LLC IF ANY DISCREPANCIES ARE FOUND.
 - ANY HISTORICAL DRAINAGE SHALL BE ACCOMMODATED, INCLUDING SHEET FLOW FROM ADJACENT LOTS.
 - ALL WORK SHALL MEET CITY OF VENICE SPECIFICATIONS.

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NO.	REVISIONS	DATE
1	LANDSCAPE CONFLICT	6/22/18
CAITHNESS CONSTRUCTION		
218 HARBOR DRIVE S.		
VENICE, FLORIDA		
PROJECT #1710240		
DESIGN ENGINEER: JESSICA L. HEINY, P.E.		
FLORIDA REGISTRATION NO.: 75572		
FLORIDA ENGINEERING & SURVEYING, LLC		
634 N. TAMAMI TRAIL TEL: (941) 486-3100		
NOROLIS, FLORIDA 34275 FAX: (941) 485-3107		
www.flsurveying.com		
CA #20375 LB #8024		
DATE: 3/23/18		
SHEET NO. C6		



- EROSION AND SEDIMENT CONTROL NOTES**
- GENERAL:**
- ALL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES, BMP, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL.
 - EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED DURING CONSTRUCTION BY THE CONTRACTOR. SITE SPECIFIC BEST MANAGEMENT PRACTICES SHALL PREVENT SEDIMENT AND OTHER HARMFUL CONTAMINANTS FROM ENTERING THE STORMWATER SYSTEM AND ADJACENT PROPERTIES.
 - THE EFFECTIVENESS OF THE SEDIMENT AND EROSION CONTROL PRACTICES/BMP'S SHALL BE CHECKED DAILY DURING CONSTRUCTION BY THE CONTRACTOR.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SILTATION ENTERING THE STORM WATER MANAGEMENT SYSTEM AND/OR ANY ON-SITE OR OFF-SITE DRAINAGE AREAS.
 - ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE VERIFIED AND INSPECTED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO THE EXISTING CONDITION, OR BETTER, TO THE SATISFACTION OF THE OWNER.
 - EROSION AND SEDIMENT CONTROL BMP'S IN ADDITION TO THOSE PRESENTED AND OUTLINED IN THE EROSION AND SEDIMENT CONTROL PLAN (ESCP), BEST MANAGEMENT PRACTICES (BMP'S), OR STORMWATER POLLUTION AND PREVENTION PLAN (SWPPP) SHALL BE IMPLEMENTED AS NECESSARY TO PREVENT TURBID DISCHARGES FROM FLOWING ONTO ADJACENT PROPERTIES OR ROADWAYS, OFFSITE STORMWATER CONVEYANCES, OR RECEIVING WATERS, OR ONSITE WETLANDS AND SURFACE WATERS. BMP'S SHALL BE DESIGNED, INSTALLED, AND MAINTAINED BY THE SITE OPERATOR TO ENSURE THAT OFFSITE SURFACE WATER QUALITY REMAINS CONSISTENT WITH STATE AND LOCAL REGULATIONS. [THE OPERATOR IS THE ENTITY THAT OWNS OR OPERATES THE CONSTRUCTION ACTIVITY AND HAS AUTHORITY TO CONTROL THOSE ACTIVITIES AT THE PROJECT NECESSARY TO ENSURE COMPLIANCE.]
 - OFFSITE SURFACE WATER DISCHARGES, DISCHARGES TO THE MSA, OR DISCHARGES TO ONSITE WETLANDS OR SURFACE WATERS WITH TURBIDITY IN EXCESS OF 29 NTU'S (NEPHELOMETRIC TURBIDITY UNITS) ABOVE BACKGROUND LEVEL SHALL BE IMMEDIATELY CORRECTED. SUCH INCIDENCE SHALL BE REPORTED TO AIR AND WATER QUALITY WITHIN 24 HOURS OF THE OCCURRENCE (941-861-5000 OR FAX 941-861-0986). THE REPORT SHALL INCLUDE THE CAUSE OF THE DISCHARGE AND THE CORRECTIVE ACTIONS TAKEN.
 - THE OPERATOR SHALL ENSURE THAT ADJACENT PROPERTIES ARE NOT IMPACTED BY WIND EROSION, OR EMISSIONS OF UNCONFINED PARTICULATE MATTER IN ACCORDANCE WITH RULE 62-296.320 (4) (C)1, F.A.C., BY TAKING APPROPRIATE MEASURES TO STABILIZE EFFECTIVE AREAS.
 - FUEL AND OTHER PETROLEUM PRODUCT SPILLS THAT ENTER STORMWATER DRAINS OR WATER BODIES, OR FUEL AND OTHER PETROLEUM PRODUCT SPILLS THAT ARE IN EXCESS OF 25 GALLONS SHALL BE CONTAINED, CLEANED UP, AND IMMEDIATELY REPORTED TO AIR AND WATER QUALITY (941-861-5000 OR FAX 941-861-0986). SMALLER GROUND SURFACE SPILLS SHALL BE CLEANED UP AS SOON AS PRACTICAL.
 - IF CONTAMINATED SOIL AND/OR GROUNDWATER IS DISCOVERED DURING DEVELOPMENT OF THE SITE, ALL ACTIVITY IN THE VICINITY OF THE CONTAMINATION SHALL IMMEDIATELY CEASE, AND AIR AND WATER QUALITY SHALL BE CONTACTED (941-861-5000 OR FAX 941-861-0986).
 - FERTILIZER APPLICATION SHALL BE CONSISTENT WITH CHAPTER 54, ARTICLE XXXII (FERTILIZER AND LANDSCAPE MANAGEMENT) OF THE SARASOTA COUNTY CODE.
 - THE DISCHARGE OF GROUNDWATER PRODUCED THROUGH DEWATERING, TO SURFACE WATERS, OR TO ANY PORTION OF THE MSA WILL REQUIRE SEPARATE PERMITTING FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP). PERMIT(S) SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF DEWATERING. ANALYTICAL RESULTS FROM PRE-DICHARGE TESTING SHALL BE PROVIDED TO AIR AND WATER QUALITY PURSUANT TO SECTION 54-185(6) OF THE SARASOTA COUNTY CODE.
- SITE GRADING PRACTICES:**
- SEDIMENT AND EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY EARTH MOVING ACTIVITIES.
 - THE CONTRACTOR SHALL MINIMIZE IMPACT TO AREAS WHICH ARE TO REMAIN UNDISTURBED. ALL AREAS TO REMAIN SHALL BE PROTECTED ACCORDINGLY (TREE BARRICADES, ETC.).
 - TEMPORARY DEWATERING BASINS SHALL BE CONSTRUCTED PRIOR TO STORM WATER MANAGEMENT LAKE EXCAVATION.
 - STOCKPILED AREAS SUCH AS TOPSOIL SHALL BE PLACED AND PROTECTED SO AS TO LIMIT SEDIMENT RUNOFF. ANY STOCKPILED MATERIAL NOT USED WITHIN 30 DAYS SHALL BE STABILIZED.
 - ORGANIC MATERIAL AND DEBRIS SHALL BE DISPOSED OF ACCORDINGLY.
 - ALL SLOPES SHALL BE IN ACCORDANCE WITH THE PLANS AND STABILIZED IMMEDIATELY UPON COMPLETION OF FINAL GRADING.
- MAINTENANCE OF THE SEDIMENT AND EROSION CONTROL PRACTICES:**
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED DAILY AND/OR AFTER ANY STORM EVENT FOR INTEGRITY AND REPAIRED AND/OR REPLACED ACCORDINGLY IF SIGNS OF FAILURE ARE OBSERVED.
 - SEDIMENT SHALL BE REMOVED FROM ALL SUMP AREAS AS NECESSARY TO MAINTAIN REQUIRED VOLUMES.
 - ALL SEDIMENT AND EROSION CONTROL MEASURES WILL REMAIN IN PLACE UNTIL ALL STABILIZATION HAS BEEN COMPLETED.
 - ANY EROSION EXPERIENCED UPON REMOVAL OF SEDIMENT AND EROSION CONTROL MEASURES WILL BE STABILIZED IMMEDIATELY.
- SEQUENCING PLAN:**
- SITE PERIMETER SILT FENCE TO BE INSTALLED PRIOR TO ANY EARTH MOVING ACTIVITIES.
 - SILT FENCE IN ROADSIDE SWALES TO BE INSTALLED PRIOR TO DEWATERING OR INITIATION OF ANY RIGHT-OF-WAY IMPROVEMENTS.
 - AS INLETS WITH PIPING ARE CONSTRUCTED, INLET PROTECTION WILL BE INSTALLED.
 - SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSPECTED DAILY FOR PROPER OPERATION.
 - STABILIZATION MEASURES WILL BE INITIATED IMMEDIATELY UPON COMPLETION OF FINAL GRADING.
 - SEDIMENT AND EROSION CONTROL MEASURES WILL BE REMOVED ONLY UPON COMPLETION OF ALL STABILIZATION MEASURES.

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REVISIONS		DATE
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SWPP PLAN		
CAITHNESS CONSTRUCTION		
DESIGN ENGINEER: JESSICA L. HEINY, P.E.		
FLORIDA REGISTRATION NO.: 75572		
218 HARBOR DRIVE S. VENICE, FLORIDA PROJECT #1710240		
FLORIDA ENGINEERING & SURVEYING, LLC		
631 N. TAMAMI TRAIL TEL: (941) 485-3100		
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