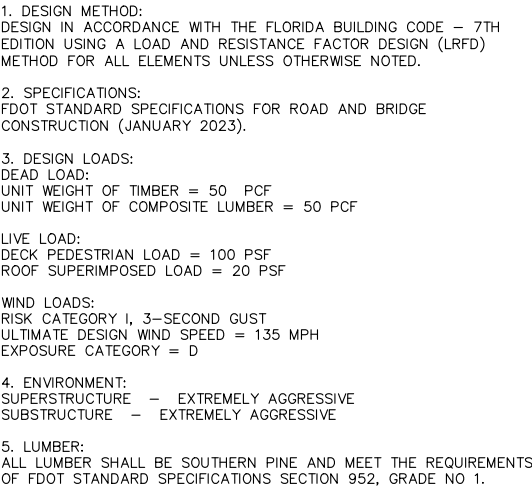


1. ALL CONTOURS & ELEVATIONS SHOWN HEREIN ARE IN FEET AND REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
REFERENCE BENCHMARK NO. 1: COURTNEY M ELEV. = 4.45'
REFERENCE BENCHMARK NO. 2: SAFETY U ELEV. = 6.99'
2. ALL WORK IN THE VICINITY OF OPEN WATER AND / OR WETLANDS TO BE PERFORMED IN COMPLIANCE WITH THE ENVIRONMENTAL PERMITS FOR THE SITE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY FINE RESULTING FROM VIOLATIONS OF PERMIT CONDITIONS.
3. SPECIAL CARE SHALL BE TAKEN TO PROTECT EXISTING TREES DESIRABLE TO REMAIN. TREE BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF SAFETY HARBOR STANDARDS.
4. REPLACE / REPAIR ALL IRRIGATION LINES, FITTINGS, VALVES, SPRINKLER HEADS, ETC. THAT MAY BE DAMAGED DURING CONSTRUCTION ACTIVITIES.
5. COORDINATE THE INSTALLATION OF ANY NEW / RELOCATED / MODIFIED UTILITIES WITH APPLICABLE UTILITY COMPANIES.
6. REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION RELATED ACTIVITIES TO AREAS OUTSIDE THE LIMITS OF CONSTRUCTION AND RESTORE TO ORIGINAL CONDITION. RESTORE ALL LANDSCAPE AREAS, GRASSED AREAS AND PAVEMENT AREAS OUTSIDE THE LIMITS OF CONSTRUCTION TO ORIGINAL CONDITION. PAVEMENT RESTORATION SHALL MATCH ORIGINAL ELEVATION TO ENSURE POSITIVE DRAINAGE AND INCLUDE RESTORATION OF PAVEMENT STRIPING / MARKINGS. RESTORATION SHALL BE PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CITY.
7. SOD ALL DISTURBED AREAS AFFECTED BY THEIR WORK WITH A GRASS TYPE THAT MATCHES EXISTING SOD. IN AREAS WHERE THERE IS NOT AN ESTABLISHED GRASS TYPE BAHIA SHALL BE USED.
8. ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, REGULATIONS, AND ORDINANCES. ALL SUCH COMPLIANCE SHALL BE AT THE CONTRACTOR'S SOLE EXPENSE.
9. THE PROJECT AREA LIES WITHIN FLOOD ZONE VE PER FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NUMBER 12103C0131H, EFFECTIVE DATE 8/24/2021. REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
10. THE OWNER / ENGINEER SHALL BE NOTIFIED IMMEDIATELY IF ANY UNEXPECTED SUBSURFACE CONDITIONS WHICH EFFECT THE WORK ARE ENCOUNTERED.
11. PROVIDE AS-BUILT DRAWINGS SIGNED & SEALED BY A PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF FLORIDA. FINAL AS-BUILT DRAWINGS MUST DEPICT ALL KNOWN EXISTING AND NEW UTILITIES INSTALLED IN CONJUNCTION WITH THIS PROJECT & SHALL BE PROVIDED TO OWNER AND ENGINEER UPON COMPLETION OF THE PROJECT. AS-BUILT DRAWINGS MUST CONTAIN THE MINIMUM INFORMATION REQUIRED FOR FINAL CERTIFICATIONS TO BE SUBMITTED TO APPLICABLE REVIEWING / PERMITTING AGENCIES.
12. THE RELOCATION OF EXISTING FACILITIES (ABOVEGROUND OR UNDERGROUND) AND RESTORATION TO ORIGINAL CONDITIONS (INCLUDING BUT NOT LIMITED TO EXISTING UTILITIES, SIGNAGE AND MARKING, PAVED SURFACES, AND LANDSCAPE / IRRIGATION) SHALL BE THE CONTRACTOR'S RESPONSIBILITIES IF SUCH ITEMS ARE IMPACTED DURING THE CONSTRUCTION PROCESS.
13. TECHNICAL SPECIFICATIONS HAVE BEEN PREPARED FOR THIS PROJECT BY THE ENGINEER OF RECORD AND ARE INCLUDED WITH THESE PLANS BY REFERENCE. ALL CONSTRUCTION MATERIALS AND ACTIVITIES ARE TO BE IN CONFORMANCE WITH THESE SPECIFICATIONS.
~~PLEASE CONTACT THE CITY OF SAFETY HARBOR'S ENGINEERING DEPARTMENT AT (727) 724-1555 FOR A COPY.~~
1. ALL ELECTRICAL SERVICE SHALL BE INSTALLED UNDERGROUND. COORDINATE WITH THE MEP FOR SPECIFICATIONS / DETAILS / ROUTING
2. ELECTRIC SERVICE TO POINTS OF CONNECTION TO BE PROVIDED BY UTILITY OWNER; COORDINATE WITH THE MEP FOR SPECIFICATIONS / DETAILS / ROUTING.
3. EXERCISE EXTREME CARE IN NEW CONSTRUCTION AREAS TO AVOID IMPACTS TO HIGHLY SENSITIVE UTILITIES. CONTRACTOR TO COORDINATE WITH ALL UTILITY PROVIDERS PRIOR TO CONSTRUCTION COMMENCEMENT TO VERIFY UTILITY LOCATIONS WITHIN PROJECT AREA.

1. ALL PRACTICABLE AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT MATERIAL TO INLETS, SURFACE DRAINS, WETLANDS AND TAMPA BAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RESTORATION EFFORTS THAT MAY BE REQUIRED.
2. FOR ALL EROSION CONTROL MEASURES REFER TO FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, SECTION 104 (LATEST EDITION).
3. THE CONTRACTOR IS RESPONSIBLE FOR ANY FINES OR RESTITUTION OR CORRECTIVE MEASURES AS DEEMED NECESSARY BY THE LOCAL AGENCIES AS RESULT OF ANY EROSION CONTROL ISSUES THAT MAY ARISE DURING CONSTRUCTION.
4. THE INSTALLATION OF TEMPORARY EROSION CONTROL BARRIERS SHALL BE COORDINATED WITH THE CONSTRUCTION OF THE PERMANENT EROSION CONTROL FEATURES TO THE EXTENT NECESSARY TO ASSURE ECONOMIC, EFFECTIVE AND CONTINUOUS CONTROL OF EROSION AND WATER POLLUTION THROUGHOUT THE LIFE OF THE CONSTRUCTION PHASE.
5. THE TYPE OF EROSION CONTROL BARRIERS USED SHALL BE GOVERNED BY THE NATURE OF THE CONSTRUCTION OPERATION AND SOIL TYPE THAT WILL BE EXPOSED. SILTY AND CLAYEY MATERIAL USUALLY REQUIRE SOLID SEDIMENT BARRIERS TO PREVENT TURBID WATER DISCHARGE, WHILE SANDY MATERIAL MAY NEED ONLY SILT SCREENS TO PREVENT EROSION. DIVERSION DITCHES OR SWALES MAY BE REQUIRED TO PREVENT TURBID STORM WATER RUNOFF FROM BEING DISCHARGED TO OTHER WATER BODIES. IT MAY BE NECESSARY TO EMPLOY A COMBINATION OF BARRIERS, DITCHES, AND OTHER EROSION / TURBIDITY CONTROL MEASURES IF CONDITIONS WARRANT.

1. VERIFY ALL EXISTING DIMENSIONS AND SITE CONDITIONS. NOTIFY THE CITY OF ANY DISCREPANCIES WITH INFORMATION SHOWN ON THE PLANS PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR ALSO ACKNOWLEDGES THAT THEY ARE SATISFIED WITH THE CHARACTER, QUALITY AND QUANTITY OF SURFACE AND SUBSURFACE MATERIALS OR OBSTACLES TO BE ENCOUNTERED INsofar AS THIS INFORMATION IS REASONABLY ASCERTAINABLE FROM AN INSPECTION OF THE SITE, ACCESS TO THE SITE, AND TERRITORY SURROUNDING THE SITE, INCLUDING ALL EXPLORATORY WORK DONE BY THE CITY AS WELL AS FROM THE DRAWINGS AND SPECIFICATIONS MADE A PART OF THIS CONTRACT. ANY FAILURE TO TAKE THE ACTIONS DESCRIBED IN THIS PARAGRAPH WILL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR PROPERLY ESTIMATING THE DIFFICULTY AND COST OF SUCCESSFULLY PERFORMING THE WORK OR FOR PROCEEDING TO PERFORM THE WORK SUCCESSFULLY WITHOUT ADDITIONAL EXPENSE TO THE CITY.
2. ALL EROSION CONTROL AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING WORK.
3. PROVIDE CLEARING AND GRUBBING OF THE ENTIRE PROJECT AREA, WITH THE EXCEPTION OF TREES TO REMAIN, IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, SECTION 110 (LATEST EDITION).
4. TREE RELOCATION/PROTECTION SHALL BE IN ACCORDANCE WITH THE CITY OF SAFETY HARBOR'S STANDARDS.

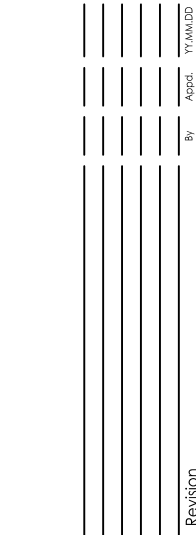
1. THE LOCATION OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE. DETERMINE THE EXACT LOCATION OF THE UTILITIES PRIOR TO WORKING IN THEIR VICINITY. NOTIFY ALL UTILITY COMPANIES IN THE AREA BEFORE BEGINNING WORK.
2. ALL MATERIALS REMOVED SHALL BE DISPOSED OF OFFSITE AND SHALL BE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.
3. THE OWNER RESERVES THE RIGHT TO RETAIN ANY ITEM FROM THE SITE DEMOLITION.
4. CARE SHALL BE TAKEN TO SALVAGE THE EXISTING IPA DECKING NEATLY STACK DECKING ON SITE FOR COLLECTION AND REMOVAL BY THE CITY.
5. CONTRACTORS ARE REQUIRED BY LAW TO CALL 811 OR THE FLORIDA ONE CALL CENTER (1-800-432-4770) AT LEAST 72 HOURS BEFORE ANY EXCAVATION OR SOIL DISTURBING ACTIVITY. (CALL 10 DAYS BEFORE DIGGING WHEN DIGGING UNDER WATER.) WAIT THE REQUIRED TIME FOR BURIED UTILITIES TO BE LOCATED AND MARKED. PROTECT THE MARKS DURING YOUR PROJECT. IF MARKS ARE DESTROYED, CALL AGAIN. DIG SAFELY, USING EXTREME CAUTION WHEN DIGGING WITHIN 24 INCHES ON EITHER SIDE OF THE MARKS TO AVOID ENCOUNTERING THE BURIED UTILITY LINES.

[illegible]

THE MMR TUBE SHALL BE CONSTRUCTED OF 6" DIAMETER PVC WITH A 90° ELBOW ON TOP AND A THREADED PLUG ON THE BOTTOM WITH DRILLED DRAIN HOLES. TUBES SHALL INCLUDE IDENTIFICATION AND INSTRUCTIONAL STICKERS FOLLOWING THE FLORIDA WILDLIFE COMMISSION (FWC) FORMAT. EXAMPLES OF ACCEPTABLE MMR TUBES CAN BE FOUND ON THE FWC MRR PROGRAM WEBSITE BELOW.
[HTTPS://MRRP.MYFWC.COM](https://mrrp.myfwc.com)

1. FURNISH, INSTALL, AND MAINTAIN FLOATING TURBIDITY BARRIERS TO SURROUND CONSTRUCTION OPERATIONS AND CONTROL TURBIDITY IN ACCORDANCE WITH PERMIT REQUIREMENTS. TURBIDITY BARRIERS SHALL INCLUDE ANCHORS AS NECESSARY TO MAINTAIN PROPER PLACEMENT.
2. BARRIERS SHALL REMAIN UNTIL CONSTRUCTION OPERATIONS ARE COMPLETE AND TURBIDITY WITHIN THE BARRIERS HAS RETURNED TO BACKGROUND CONDITIONS.
3. EXTEND BARRIERS TO WITHIN 1 FOOT OF THE BOTTOM.
4. BARRIERS SHOULD BE A BRIGHT COLOR (YELLOW OR ORANGE ARE RECOMMENDED) THAT WILL ATTRACT THE ATTENTION OF NEARBY BOATERS.
5. SEAMS IN THE FABRIC SHALL BE EITHER VULCANIZED WELDED OR SEWN, AND SHALL DEVELOP THE FULL STRENGTH OF THE FABRIC.
6. FLOATATION DEVICES SHALL BE FLEXIBLE, BUOYANT UNITS CONTAINED IN AN INDIVIDUAL FLOATATION SLEEVE OR COLLAR ATTACHED TO THE CURTAIN. BUOYANCY PROVIDED BY THE FLOATATION UNITS SHALL BE SUFFICIENT TO SUPPORT THE WEIGHT OF THE CURTAIN AND MAINTAIN A FREEBOARD OF AT LEAST 3 INCHES ABOVE THE WATER SURFACE LEVEL.
7. LOAD LINES MUST BE FABRICATED INTO THE BOTTOM OF ALL FLOATING TURBIDITY CURTAINS. TYPES II AND III MUST HAVE LOAD LINES ALSO FABRICATED INTO THE TOP OF THE FABRIC. THE TOP LOAD LINE SHALL CONSIST OF WOVEN WEBBING OR VINYL-SHEATED STEEL CABLE. THE BOTTOM LOAD-LINE SHALL CONSIST OF A CHAIN INCORPORATED INTO THE BOTTOM HEM OF THE CURTAIN OF SUFFICIENT WEIGHT TO SERVE AS BALLAST TO HOLD THE CURTAIN IN A VERTICAL POSITION.
8. BOTTOM ANCHORS MUST BE SUFFICIENT TO HOLD THE CURTAIN IN THE SAME POSITION RELATIVE TO THE BOTTOM OF THE WATERCOURSE WITHOUT INTERFERING WITH THE ACTION OF THE CURTAIN.

1. THE COSTS ASSOCIATED WITH ALL BUILDING PERMIT FEES AND REQUIRED INSPECTIONS/TESTING SHALL BE INCIDENTAL TO THE RELATED ITEM.
2. THE COSTS ASSOCIATED WITH FURNISHING, INSTALLING, MAINTAINING, AND REMOVING TEMPORARY CONSTRUCTION FENCING, GATES, AND SIGNS SHALL BE INCIDENTAL TO THE ITEM FOR MOBILIZATION.
3. THE COSTS ASSOCIATED WITH FURNISHING AND INSTALLING ALL FASTENERS, CLIPS, STRAPS, HANGERS, BRACKETS, CONNECTIONS PLATES/ANGLES SHALL BE INCIDENTAL TO THE ITEM CONNECTED.
4. THE COST ASSOCIATED WITH FURNISHING AND INSTALLING TIMBER PILE WRAPPING, FIELD TREATMENT OF CUT ENDS, AND PREFORMING PILE HOLES SHALL BE INCIDENTAL TO THE PILE ITEM.
5. THE COST ASSOCIATED WITH FURNISHING AND INSTALLING THE MRR TUBES SHALL BE INCIDENTAL TO THE ITEM FOR TREATED TIMBER.



Client/Project
CITY OF SAFETY HARBOR
PINELLAS COUNTY, FLORIDA
SAFETY HARBOR PIER
REPLACEMENT PROJECT

THE OFFICIAL RECORD OF THIS SHEET IS THE
ELECTRONIC FILE DIGITALLY SIGNED AND SEALED
UNDER RULE 61G15-23.004, F.A.C.

Revision Sheet

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2024/08/15 11:57:24 AM by: chrisgamache, 04/15/2024

ORIGINAL SHEET - ANSI D (22x34)

STORMWATER POLLUTION PREVENTION PLAN	
PROJECT NAME: SAFETY HARBOR PIER REPLACEMENT	
PROJECT ADDRESS: VETERANS MEMORIAL PARK 110 VETERANS MEMORIAL LN SAFETY HARBOR, FL 34695	OWNER'S ADDRESS: CITY OF SAFETY HARBOR 750 MAIN ST. SAFETY HARBOR, FL 34695
DESCRIPTION OF PURPOSE AND TYPES OF SOIL DISTURBING ACTIVITIES:	
PROPERTY AREA APPROXIMATELY	= 9.496 ACRES
PROJECT AREA APPROXIMATELY	= 0.338 ACRES
CONSTRUCTION PROPOSED: TIMBER PIER AND PAVILION. NO NEW STORMWATER MANAGEMENT IS PROPOSED.	
SOIL DISTURBING ACTIVITIES WILL INCLUDE: CONNECTION TO ONSITE ELECTRIC AND WATER UTILITIES.	
WETLAND ACTIVITIES INCLUDE: NO WETLAND IMPACTS ARE PROPOSED FOR THE PROJECT. ACTIVITIES TO OCCUR ON OPEN WATER WITH APPROPRIATE BEST MANAGEMENT PRACTICES INSTALLED AND MAINTAINED.	
CONSTRUCTION REMOVAL ACTIVITIES WILL INCLUDE: REMOVAL OF THE EXISTING TIMBER PIER AND PAVILION.	
STORMWATER DRAINAGE AREA: BASIN AREA: N/A ACRES PRE-DEVELOPMENT CURVE NUMBER (CN): N/A POST DEVELOPMENT CURVE NUMBER (CN): N/A	
WATER QUALITY:	N/A
WATER QUANTITY:	N/A
SEQUENCE OF MAJOR ACTIVITIES	
1. INSTALL TURBIDITY BARRIER AND EROSION CONTROL AS SHOWN ON THE DEMOLITION PLAN.	
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE.	
3. COMPLETE REPLACEMENT PER GENERAL PLAN AND ELEVATION.	
4. INSTALL NEW UTILITIES, PER PLAN.	
5. REPAIR ANY WASHED OUT AREAS, SOD, SEED, AND MULCH DISTURBED AREAS AS INDICATED ON PLANS.	
6. WHEN CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE STABILIZED, REMOVE EROSION PROTECTION DEVICES AND CONSTRUCTION ENTRANCE AS REQUIRED.	
NAME OF RECEIVING WATERS: THE PROPOSED IMPROVEMENTS WILL DISCHARGE STORMWATER ON-SITE SIMILAR TO HISTORIC CONDITIONS. ULTIMATE DISCHARGE TO OLD TAMPA BAY.	
CONTROLS	
EROSION AND SEDIMENT CONTROLS	
USE BEST MANAGEMENT PRACTICES (BMPs) DURING AND AFTER CONSTRUCTION TO MINIMIZE EROSION AND SEDIMENTATION AND TO PROPERLY MANAGE RUNOFF FOR BOTH STORMWATER QUANTITY AND QUALITY. CONTRACTOR TO ADHERE TO FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION EROSION AND SEDIMENTATION CONTROL MANUAL.	
BEFORE SITE DISTURBANCE OCCURS, PERIMETER CONTROLS, SEDIMENT TRAPS, BASINS, AND DIVERSIONS MUST BE SET IN PLACE BY THE CONTRACTOR TO CONTROL RUNOFF AND CAPTURE SEDIMENTS. THE CONTRACTOR IS REQUIRED TO REVIEW THE SITE SPECIFIC EROSION CONTROL PLAN AS SHOWN ON THE CONSTRUCTION DOCUMENTS.	
THE CONTRACTOR MAY ALSO BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS OR SITE CONDITIONS. CONTRACTOR WILL COMPLY WITH EROSION CONTROL PLAN AND DETAILS. ANY MODIFICATIONS TO THIS PLAN MUST BE SIGNED BY A PROFESSIONAL ENGINEER REPRESENTING THE CONTRACTOR. CONTRACTOR SHALL REMOVE ALL SEDIMENT THAT HAS MIGRATED OFF-SITE. THE EROSION CONTROL DEVICES FOR THESE ACTIVITIES ARE SPECIFIED IN THE PLANS AND ACCORDING TO DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM (CURRENT EDITION), SECTION 104. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING IF ADDITIONAL CONTROLS ARE NEEDED AND DEPLOYMENT SCHEDULES FOR THE IMPLEMENTATION OF ALL EROSION CONTROL DEVICES.	
STABILIZATION PRACTICES: WIND EROSION STABILIZATION	
-THE CONTRACTOR SHALL DENUDE ONLY AREAS WHERE IT IS EXPECTED TO BE GRADED OR ALTERED WITHIN A TWO (2) WEEK TIME- FRAME. FINAL GRADES SHALL BE PERFORMED AND TEMPORARY OR PERMANENT SOIL STABILIZATION SHALL BE APPLIED. AREAS WHERE CONSTRUCTION OPERATIONS WILL BE CONTINUOUS, FUGITIVE DUST SHALL BE MANAGED BY APPLYING A WATER SPRAY TO SATURATE THE SURFACE SOILS CONTINUOUSLY AND ADDITIONAL MEASURES MAY NEED TO BE TAKEN CONTROL OFF-SITE TRANSPORT OF UNACCEPTABLE LEVELS OF DUST.	
TEMPORARY STABILIZATION	
-TOP OF SOIL STOCK PILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 21 DAYS WILL BE STABILIZED WITH TEMPORARY GRASS AND MULCH NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY. GRASS SEED SHALL BE A MIXTURE OF 20 PARTS OF BERMUDA SEED AND 80 PARTS OF PENSACOLA BAHIA. THE SEPARATE TYPES OF SEED USED SHALL BE THOROUGHLY DRY MIXED IMMEDIATELY BEFORE SOWING. SEED WHICH HAS BECOME WET SHALL NOT BE USED. THE MULCH MATERIAL USED SHALL NORMALLY BE DRY MULCH. DRY MULCH SHALL BE STRAW OR HAY, CONSISTING OF OAT, RYE OR WHEAT STRAW, OR OF PANGOLA, PEANUT, COASTAL BERMUDA OR BAHIA GRASS HAY. ONLY UNDETERIORATED MULCH, WHICH CAN BE READILY CUT INTO THE SOIL, SHALL BE USED. AREAS OF THE SITE, WHICH ARE TO BE PAVED, WILL BE TEMPORARILY STABILIZED BY APPLYING STABILIZATION AND BASE. TREE BARRICADES WHERE REQUIRED.	
PERMANENT STABILIZATION	
-DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASES SHALL BE STABILIZED WITH SOD NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY.	
SEDIMENT BASINS	
-IF APPLICABLE, SEDIMENT BASINS TO BE CONSTRUCTED BY THE CONTRACTOR TO DETAIN SEDIMENT-LADEN RUNOFF FROM DISTURBED AREAS LONG ENOUGH FOR MOST OF THE SEDIMENT TO SETTLE OUT. SEDIMENT BASINS SHOULD BE USED TOGETHER WITH EROSION CONTROL PRACTICES SUCH AS TEMPORARY SEEDING, MULCHING, DIVERSION BERMS, ETC., TO REDUCE THE AMOUNT SEDIMENT FLOWING INTO THE STORM SYSTEM.	
DEWATERING	
THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS, EQUIPMENT, LABOR, AND SERVICES NECESSARY FOR CARE OF WATER AND EROSION CONTROL. EXCAVATION WORK SHALL NOT BEGIN BEFORE THE EROSION AND SEDIMENTATION CONTROL PLAN IS IN PLACE. DEWATERING TO BE COMPLETED BY THE CONTRACTOR AND SHALL FOLLOW DEWATERING SPECIFICATION.	
STRUCTURAL PRACTICES	
STAKED SILT FENCES	
-THE STAKED SILT FENCES WILL BE CONSTRUCTED ALONG THE CONSTRUCTION LIMITS OR AS DEPICTED ON THE EROSION CONTROL & DEMOLITION PLANS AND/OR ON OTHER CONSTRUCTION PLANS. THESE DEVICES WILL STOP AND DIVERT RUNOFF FROM THE SITE TO OTHER SURFACE WATERS.	

OTHER CONTROLS / WASTE DISPOSAL
OFFSITE VEHICLE TRACKING
STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREETS WILL BE CLEANED AS NEEDED TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM OR TO THE SITE WILL BE COVERED WITH A TARPULIN AT ALL TIMES.
WASTE MATERIALS
- ALL WASTE MATERIAL WILL BE COLLECTED AND STORED IN DUMPSTERS PER LOCAL SOLID WASTE REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE DUMPED A MINIMUM OF TWICE A WEEK OR MORE OFTEN IF NECESSARY, AND THE TRASH WILL BE HAULED TO THE APPROPRIATE COUNTY LOCATION FOR DUMPING. NO CONSTRUCTION MATERIALS WILL BE BURIED ON-SITE. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED IN THE ON-SITE OFFICE TRAILER AND THE CONSTRUCTION MANAGER RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.
THE CONTRACTOR SHALL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES. ANY CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER. NO SOLID MATERIALS INCLUDING BUILDING & CONSTRUCTION MATERIALS SHALL BE DISCHARGE TO ADJACENT WATERWAYS OR WETLANDS OR BURIED ON SITE.
HAZARDOUS WASTE
THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE PERMITTING AGENCY IN WRITING IF ANY HAZARDOUS WASTE MATERIAL IS ENCOUNTERED DURING SITE INVESTIGATION AND CONSTRUCTION.
THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR NOTIFYING THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) WITHIN 24 HOURS OF DISCOVERY.
IF ENCOUNTERED, HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE AND FEDERAL REGULATIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.
SANITARY WASTE
- ALL SANITARY WASTE WILL BE COLLECTED FROM PORTABLE UNITS A MINIMUM OF THREE TIMES PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR, IN ACCORDANCE WITH FDOT STANDARD SPEC. FOR ROAD AND BRIDGE CONSTRUCTION 2010 EDITION SECTION 7-6, AND AS REQUIRED BY LOCAL REGULATIONS.
TIMING OF CONTROL MEASURES
AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, STAKED SILT BARRIERS, EROSION CONTROL, AND STABILIZED CONSTRUCTION ENTRANCES CONSTRUCTED PRIOR TO GRUBBING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 21 DAYS WILL BE STABILIZED WITH A TEMPORARY GRASS AND MULCH WITHIN 14 DAYS OF THE LAST DISTURBANCE. ONCE CONSTRUCTED ACTIVITY CEASES PERMANENTLY IN THAT AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SOD. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE TRAPS AND THE STAKED SILT BARRIERS WILL BE REMOVED.
MAINTENANCE INSPECTION PROCEDURES
EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES:
THESE ARE THE INSPECTION AND MAINTENANCE PRACTICES THAT SHALL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROL.
LESS THAN ONE HALF OF THE SITE WILL BE DENUDED AT ONE TIME PRIOR TO ESTABLISHING EROSION CONTROL MANAGEMENT ALL CONTROL MEASURES WILL BE INSPECTED ONCE PER DAY AND FOLLOWING ANY STORM EVENT OF 0.5 INCHES OR GREATER BY A CONTRACTOR'S REPRESENTATIVE.
ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE. SILT FENCE WILL BE INSPECTED REGULARLY FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.
IF APPLICABLE, THE SEDIMENT BASINS WILL BE INSPECTED FOR DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES 10 PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB.
A MAINTENANCE INSPECTION REPORT SHALL BE MADE AFTER EACH INSPECTION BY THE CONTRACTOR AND SHALL BE KEPT IN AN ACTIVE LOG READILY AVAILABLE AT THE JOB SITE CONSTRUCTION TRAILER. THE SITE SUPERINTENDENT WILL SELECT INDIVIDUALS WHO WILL BE RESPONSIBLE FOR MAINTENANCE AND REPAIR ACTIVITIES. FILLING OUT THE INSPECTION AND MAINTENANCE REPORT WILL BE BY THE CONTRACTOR. PERSONNEL SELECTED FOR MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE SUPERINTENDENT. THEY WILL BE TRAINED IN ALL MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ON-SITE IN GOOD WORKING ORDER.
STORM WATER MANAGEMENT
NO STORMWATER MANAGEMENT IS REQUIRED.
WETLAND MITIGATION
WETLAND MITIGATION IS NOT APPLICABLE FOR THE PROPOSED PROJECT.
NON-STORM WATER DISCHARGES
IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:
1. PAVEMENT WASH WATERS (WHERE NO SPILL OR LEAKS OF TOXIC OR VEHICLE AND HAZARDOUS MATERIALS HAVE OCCURRED).
2. UNCONTAMINATED GROUNDWATER FROM DEWATERING ACTIVITIES
ALL NON-STORM WATER DISCHARGES WILL BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE OR AS DIRECTED BY THE ENGINEER. IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, THE CONTRACTOR MUST NOTIFY THE OWNER AND ENGINEER.

MAINTENANCE AND INSPECTION
ALL OF THE CONTROLS SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTION AND MAINTENANCE OF ALL EROSION CONTROL DEVICES THROUGHOUT THE CONSTRUCTION PHASE OF THE PROJECT. MAINTENANCE SHALL BE IN ACCORDANCE WITH LOCAL GOVERNMENT AGENCY TECHNICAL SPECIFICATIONS, AND THE PROJECT CONSTRUCTION CONTRACT.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING THE FDEP NPDES / STORMWATER POLLUTION PREVENTION PLAN (SWPPP) CONSTRUCTION INSPECTION REPORT AFTER ANY 1/2 INCH RAINFALL OR WEEKLY IF NO RAIN EVENT OCCURRED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD WEEKLY RAIN FALL. CONTRACTOR SHALL ALSO COMPLETE THE NPDES COMPLIANCE CHECKLIST FOR CONSTRUCTION SITES.
WATER MANAGEMENT DISTRICT - KEY PROVISIONS
AN ENVIRONMENTAL RESOURCE PERMIT (ERP) IS REQUIRED, THE FOLLOWING KEY PROVISIONS MUST BE MAINTAINED BY THE PERMITTEE AND CONTRACTOR: (IN ACCORDANCE WITH THE BASIS OF REVIEW FOR ENVIRONMENTAL RESOURCE PERMIT (ERP) APPLICATIONS)
THE PERMITTEE AND CONTRACTOR SHALL AMEND THE CONSTRUCTION SURFACE WATER MANAGEMENT PLAN WHENEVER THE PROJECT IS ALTERED OR MODIFIED IN A MANNER THAT WILL RESULT IN:
(1) THE POTENTIAL DISCHARGE OF POLLUTANTS
(2) A CHANGE IN THE AMOUNT OF DISCHARGE
(3) A CHANGE IN THE NUMBER OF LOCATION OF STORM WATER DISCHARGE POINTS, OR
(4) ADVERSE IMPACTS TO WETLANDS, AND SUCH CHANGE(S) HAVE NOT OTHERWISE BEEN PREVIOUSLY ADDRESSED IN THE APPROVED PLAN. THE PERMITTEE AND CONTRACTOR SHALL ALSO AMEND THE PLAN IF ITS IMPLEMENTATION DOES NOT ELIMINATE OR MINIMIZE EROSION AND SEDIMENT DEPOSITION, OFF-SITE FLOODING, ADVERSE IMPACTS TO WETLAND, OR VIOLATIONS OF STATE WATER QUALITY STANDARDS. AMENDMENTS TO THE PLAN SHALL BE PREPARED AND KEPT AS SEPARATE DOCUMENTS ALONG WITH THE ORIGINAL PLAN. ALL ALTERATIONS TO THE SYSTEM MUST BE SHOWN ON THE AMENDED PLAN ALONG WITH THE DOCUMENTATION OR REQUIRED APPROVAL(S).
SPILL PREVENTION
MATERIAL MANAGEMENT PRACTICES
THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.
GOOD HOUSEKEEPING:
THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHALL BE FOLLOWED ON-SITE DURING THE CONSTRUCTION PROJECT:
AN EFFORT SHALL BE MADE TO STORE ONLY ENOUGH PRODUCTS REQUIRED TO DO THE JOB.
ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER CONTAINED ENCLOSURE.
PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL MANUFACTURER'S LABELED CONTAINERS. SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER. WHENEVER POSSIBLE, ALL OF A PRODUCT SHALL BE USED UP BEFORE DISPOSING OF THE CONTAINER. MANUFACTURERS RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED.
THE SITE SUPERINTENDENT SHALL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON-SITE.
THE CONTRACTOR MUST IDENTIFY A DESIGNATED FUEL TANK STORAGE AREA, AWAY FROM DRAINAGE STRUCTURES, PONDS, BASINS, WATERWAYS, AND WETLANDS, WITH SECONDARY CONTAINMENT (SPILL COLLECTION).
PETROLEUM PRODUCTS:
ALL ON-SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS, WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ON-SITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
FERTILIZERS:
FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER, ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A SEALABLE PLASTIC BIN TO AVOID SPILLS.
CONCRETE TRUCKS:
CONTRACTOR SHALL DESIGNATE AN AREA AWAY FROM DRAINAGE STRUCTURES, PONDS, BASINS, WATERWAYS, AND WETLANDS FOR DISCHARGE OF SURPLUS CONCRETE OR DRUM WASH WATER AND SHALL INSTALL A CONTAINMENT BERM AROUND THIS AREA TO PREVENT RUNOFF TO THE REMAINDER OF THE SITE. HARD DEBRIS SHALL BE DISPOSED OF BY CONTRACTOR UPON COMPLETION OF THE PROJECT. CONTRACTOR TO PREPARE A DETAILED SITE PLAN FOR APPROVAL FOR THE CONCRETE DISCHARGE AND WASH DOWN ACTIVITIES.
SPILL CONTROL PRACTICES
IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIALS MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:
* MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION CLEANUP SUPPLIES.
*ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
*THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
*SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.
*THE SPILL PREVENTION PLAN WILL BE PREPARED BY THE CONTRACTOR AND KEPT IN THE CONSTRUCTION OFFICE TRAILER AND WILL INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE ARE OTHERS. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED. ALL SPILLS AND RESPONSES WILL BE REPORTED TO THE APPROPRIATE AGENCY.
*THE CONTRACTOR WILL BE RESPONSIBLE FOR SPILL PREVENTION AND CLEANUP COORDINATION. HE WILL DESIGNATE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ON SITE. USE AND CHARACTERISTICS OF FUEL OR CHEMICAL STORAGE TANK ON SITE SHALL COMPLY WITH ALL RELATED FEDERAL, STATE, AND LOCAL REGULATIONS. STORAGE TANKS MUST BE LOCATED AS FAR AS POSSIBLE FROM ANY DRAINAGE STRUCTURES, DITCHES, AND/OR SURFACE WATERS. IN ADDITION, THE CONTRACTOR MUST PROVIDE A SECONDARY CONTAINMENT WITH A LINER CHEMICALLY RESISTANT TO THE FUEL OR CHEMICAL STORED ON SITE. THE SECONDARY CONTAINMENT MUST BE SIZED TO CONTAIN MINIMUM OF ONE AND A HALF TIME THE TOTAL CAPACITY OF STORAGE TANK BEING USED. CONTRACTOR HAS TO PROVIDE A DAILY INSPECTION LOG FOR THE SECONDARY CONTAINMENT WITH INDICATION OF DATE, INSPECTORS NAME AND INSPECTION REPORT.
FURTHERMORE, ANY CONTAMINATION HAS TO BE IMMEDIATELY CONTAINED AND THE OWNERS, ENGINEER OF RECORD AND PERMITTING AGENT INSPECTOR MUST BE NOTIFIED OF THE NATURE AND EXTEND OF THE CONTAMINATION.

INVENTORY FOR POLLUTION PREVENTION PLAN		
THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED, BUT NOT LIMITED, TO BE PRESENT ON-SITE DURING CONSTRUCTION:		
CONCRETE DETERGENTS TAR SAND STONE	FERTILIZERS PETROLEUM BASED PRODUCTS AND FUELS CLEANING SOLVENTS WOOD	
POLLUTION PREVENTION PLAN CERTIFICATION		
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS HAVE BEEN READ BY ME OR MY DESIGNATED REPRESENTATIVE AND UNDERSTAND THAT THIS SYSTEM HAS BEEN PREPARED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.		
OWNER: CITY OF SAFETY HARBOR		
APPLICANT AUTHORIZED AGENT: _____		
SIGNED: _____		
ADDRESS: 750 MAIN STREET SAFETY HARBOR, FL 34695		
DATE: _____		
CONTRACTOR'S AND ENGINEER'S CERTIFICATION		
I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION. I UNDERSTAND, AND SHALL COMPLY WITH THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA "GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES" (CGP), AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED FOR THE CITY OF SAFETY HARBOR.		
SIGNATURE:	FOR:	RESPONSIBLE FOR:
NAME: _____	COMPANY: _____	GENERAL CONTRACTOR
TITLE: _____	ADDRESS: _____	
DATE: _____	PHONE: _____	
CERTIFIED ENGINEER		
NAME: CHRISTOPHER P. GAMACHE, P.E.	COMPANY: STANTEC	
FL REG. NO. 82122	380 PARK PLACE BLVD., SUITE 300	
TITLE: PROJECT MANGER	CLEARWATER, FL 33759	
	PHONE: 727-531-1553	
NPDES NOTIFICATION (NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM)		
ATTENTION: FAILURE TO MAINTAIN EROSION AND/OR SEDIMENTATION CONTROLS OR ANY ILLEGIT DISCHARGE RESULTING FROM THEIR FAILURE WILL LIKELY RESULT IN FINE CITATIONS. CODE REGULATIONS AUTHORIZES PENALTIES OF UP TO \$10,000 FOR EACH OFFENSE.		
ALL ACTIVITIES MUST CONFORM WITH FDEP NOTICE OF INTENT TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES. POLLUTION PREVENTION FROM THE PROPOSED CONSTRUCTION ACTIVITIES WILL BE IMPLEMENTED IN ACCORDANCE WITH SWFWMD BASIS OF REVIEW SUBSECTION 2.8.4.		
KEY PROVISIONS		
1. IMPLEMENTATION OF THIS STORMWATER POLLUTION PREVENTION PLAN (SWPPP).		
2. CONDUCTING AND DOCUMENTING ROUTINE INSPECTIONS AS REQUIRED.		
3. RETENTION OF RECORDS REQUIRED BY THE PERMIT, INCLUDING RETENTION OF A COPY OF THE SWPPP AT THE CONSTRUCTION SITE, FROM THE DATE OF PROJECT INITIATION TO THE DATE OF FINAL SITE STABILIZATION.		
NOTICE OF INTENT (NOI)		
A "NOTICE OF INTENT" TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES" (NOI) IS NOT REQUIRED FOR THIS SITE SINCE THE OVERALL SITE AREA IS LESS THAN ONE ACRE IN SIZE.		



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Tel. 727.531.3505
Fax. 727.431.1777

YYMMDD

Appr.

By

Revision

Client/Project
CITY OF SAFETY HARBOR
PINELLAS COUNTY, FLORIDA
SAFETY HARBOR PIER
REPLACEMENT PROJECT

Title
STORMWATER POLLUTION PREVENTION PLAN


Permit-Sec

Christopher P. Gamache, PE
Lic. No.: 82122

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Project Number:	238201804		
SCALE:	N/A		
MPR	TRH	CFG	8/18/2023
Dwn.	Dsgn.	Chkd.	YYMMDD
Drawing No.	C1.02		
Revision	Sheet		

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Title	Revision	By	Appr'd.
CITY OF SAFETY HARBOR PINELLAS COUNTY, FLORIDA SAFETY HARBOR PIER REPLACEMENT PROJECT			
EROSION CONTROL			

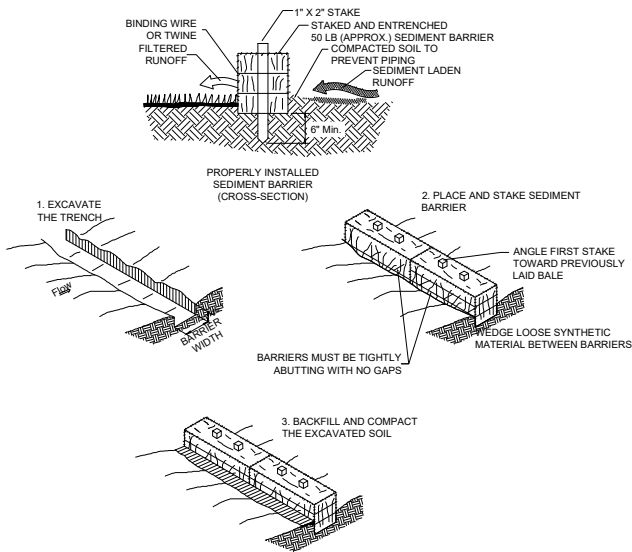
Permit-Seal

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Lic. No.: 82122

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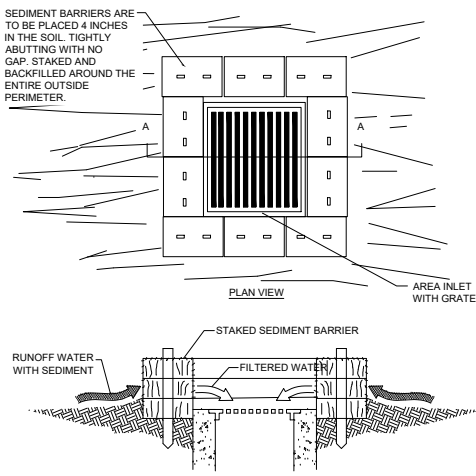
Project Number: **238201804**

SCALE: N/A



TEMPORARY SYNTHETIC SEDIMENT BARRIER

SCALE: N.T.S.



- SPECIFIC APPLICATION**
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS IN A RELATIVELY FLAT AREA (SLOPE NO GREATER THAN 5%) WHERE THE INLET SHEET OF OVERLAND FLOWS (NOT EXCEEDING 1 C.F.S.) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

TEMPORARY SYNTHETIC SEDIMENT BARRIER AT STORM DRAIN DROP INLET

SCALE: N.T.S.



-

TREE PROTECTIVE BARRIER

REVISIONS	
BY	DATE
BD	11/01/2017
BD	12/31/2019
SCALE: N.T.S.	
DATE:	APRIL 2015
DETAIL NUMBER:	
LA1	

LEGEND

- | | |
|--|----------------------------------|
| | TEMPORARY CONSTRUCTION FENCE |
| | TREE PROTECTIVE BARRIER |
| | FLOATING TURBIDITY BARRIER TYPE |
| | PROPERTY LINE LINE |
| | MEAN HIGH WATER ELEVATION (MHWL) |
| | RIGHT-OF-WAY LINE |



AREA OF EXISTING PIER REMOVAL

NOTES:

1. EXISTING PIER PLAN AREA = 4332 FT²
2. FLOATING TURBIDITY BARRIER SHALL BE IN PLACE PRIOR TO ANY IN-WATER WORK.
3. EXISTING TIMBER IS PRESSURE TREATED AND SHALL BE REMOVED FROM SITE AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
4. EXISTING IPA DECKING SHALL BE RETAINED BY THE CITY. REMOVE DECKING WITH CARE AND NEATLY STACK ON WOODEN PALLETS AT THE SITE FOR REMOVAL BY THE CITY.

Client/Project

CITY OF SAFETY HARBOR
PINELLAS COUNTY, FLORIDA
SAFETY HARBOR PIER
REPLACEMENT PROJECT

Permit-Seal

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Project Number: 238201804

SCALE: N/A

MPR	TRH	CPG	8/18/2023
Dwn.	Dsgn.	Chkd.	YY.MM.DD

Drawing No. C2.00

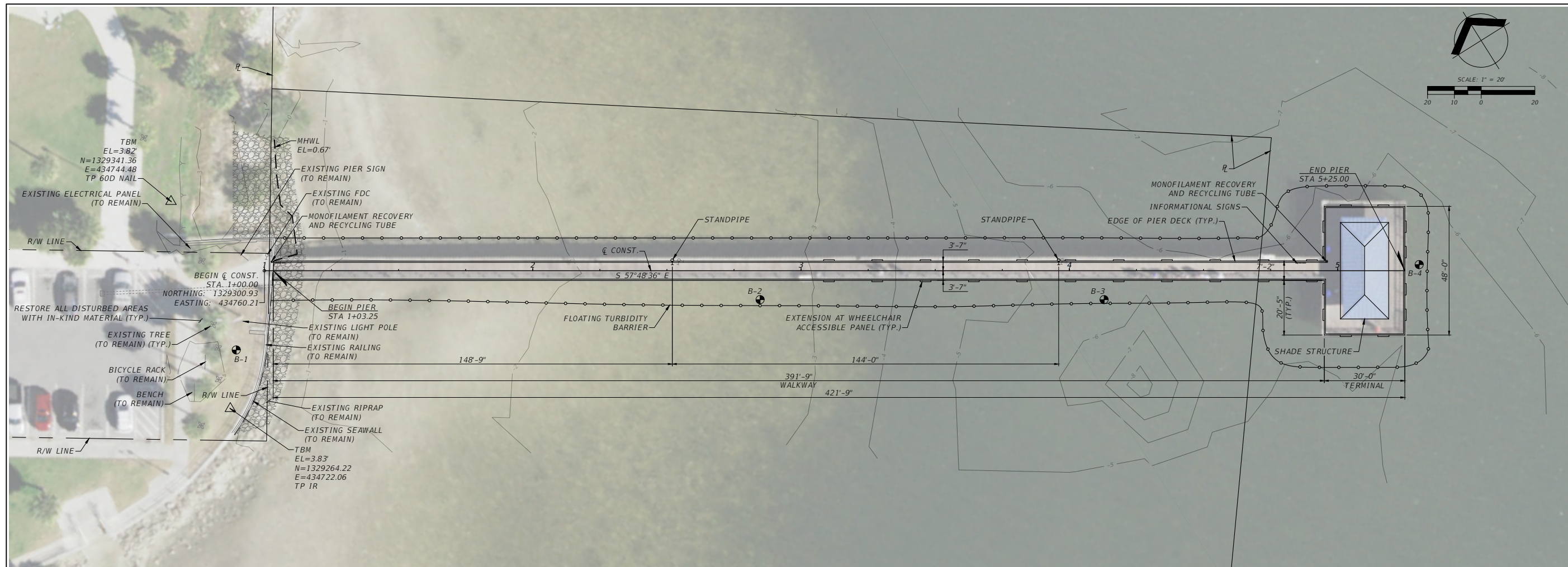
Revision Sheet

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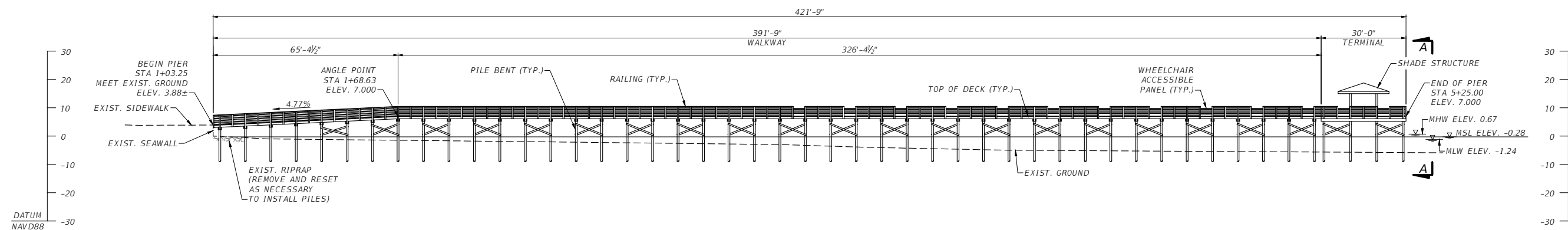


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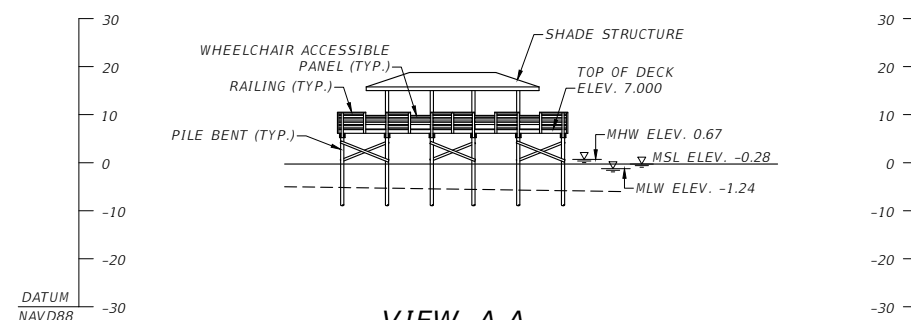
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GENERAL PLAN
SCALE: 1" = 20'



ELEVATION
SCALE: 1" = 20'



VIEW A-A
SCALE: 1" = 20'

LEGEND:

- SPT BORING LOCATION
 SURVEY BENCHMARK

NOTES:

1. *PROPOSED PIER PLAN AREA = 4323 FT²*
2. *FLOATING TURBIDITY BARRIER SHALL BE IN PLACE PRIOR TO ANY IN-WATER WORK.*
3. *SEE SHEET C2.00 FOR LEGEND.*
4. *EXISTING PIER (TO BE RMVED) NOT SHOWN FOR CLARITY.*

[illegible]

Client/Project
CITY OF SAFETY HARBOR
PINELLAS COUNTY, FLORIDA
SAFETY HARBOR PIER
REPLACEMENT PROJECT

Permit-Seal

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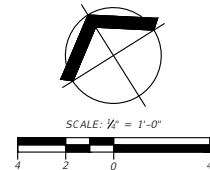
Project Number: 238201804

SCALE: AS SHOWN

MPR	TRH	CPG	8/18/2023
Dwn.	Dsgn.	Chkd.	YY.MM.DD

Drawing No.	C3.00
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Revision Sheet



NOTES:

1. DECKING AND RAILING NOT SHOWN FOR CLARITY.
2. JOIST BLOCKING NOT SHOWN FOR CLARITY.
3. SEE GENERAL PLAN AND FOUNDATION LAYOUT FOR ADDITIONAL DIMENSIONS NOT SHOWN.

Client/Project
CITY OF SAFETY HARBOR
PINELLAS COUNTY, FLORIDA
SAFETY HARBOR PIER
REPLACEMENT PROJECT

Permit-Seal
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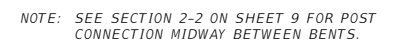
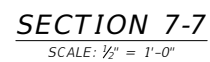
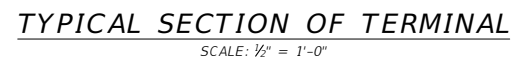
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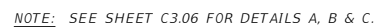
8 of 16

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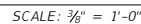
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1. SEE GENERAL PLAN AND ELEVATION FOR LOCATIONS OF WHEELCHAIR ACCESSIBLE PANELS.
2. SEE FRAMING PLAN AND FOUNDATION LAYOUT FOR ADDITIONAL DETAILS.
3. SEE FRAMING DETAILS (1 OF 2) FOR RAILING DETAILS.



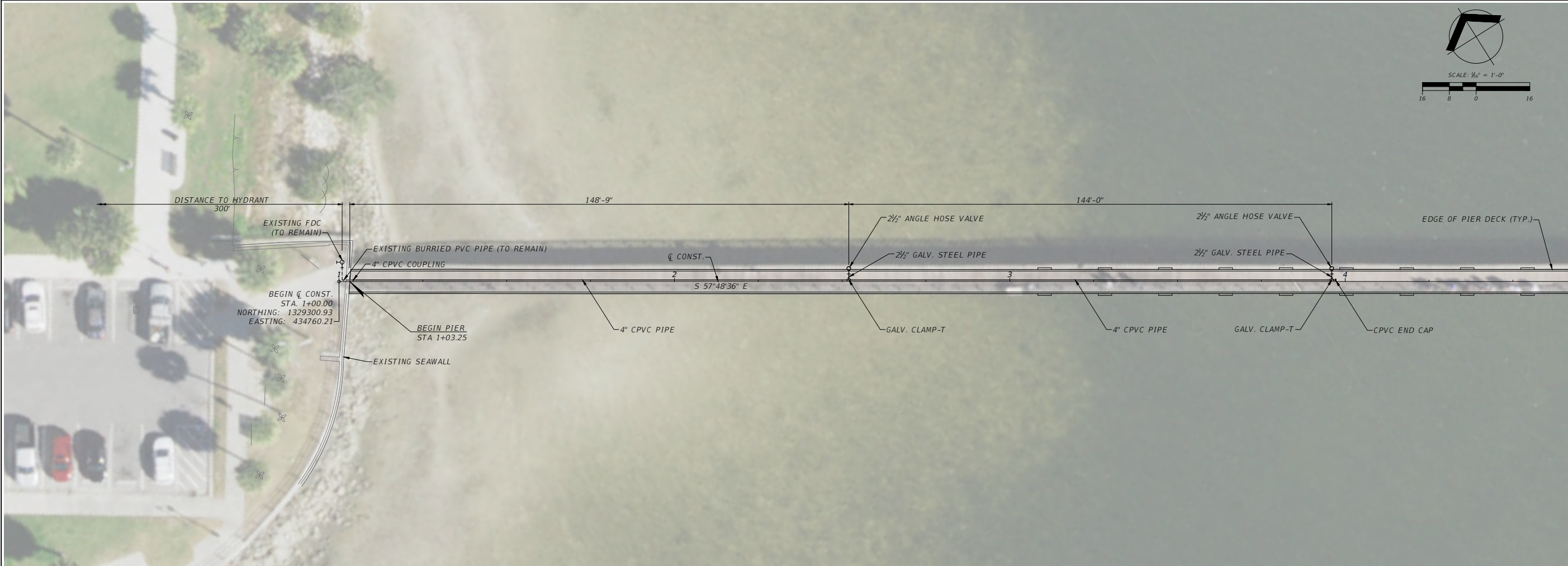
SCALE: $\frac{1}{2}'' = 1'-0''$



METAL ROOF NOTES:

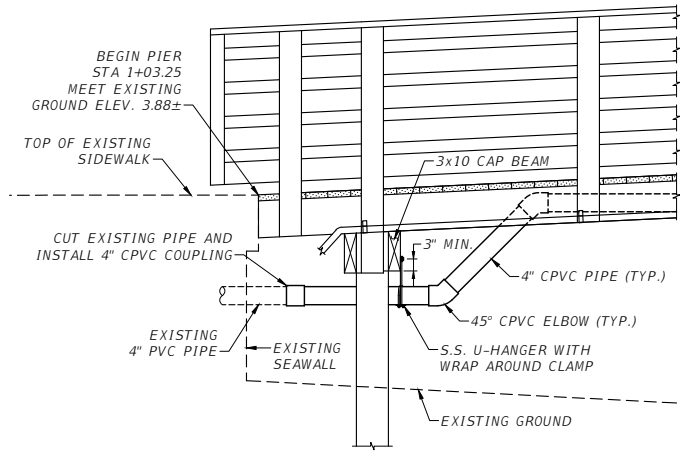
1. STANDING SEAM METAL ROOF SHALL BE "SNAP CLAD" BY PETERSEN ALUMINUM CORPORATION OR APPROVED EQUAL.
2. ALUMINUM SHEET, 0.032 INCHES THICK.
3. FINISH: METALLIC FLUOROPOLYMER - STANDARD TWO COAT. THERMO CURED, FULL STRENGTH 70 PERCENT "KYNAR 500" COATING.
4. COLOR: BLUE, AS SELECTED BY THE CITY FROM THE MANUFACTURER'S COLOR RANGE.
5. PANEL WIDTH: 12" TO 18" SMOOTH FLAT SURFACE.
6. ROOF PANELS TO BE INSTALLED OVER SELF-ADHERING, HIGH TEMPERATURE UNDERLAYMENT 30-40 MILS THICK APPROVED BY THE METAL ROOF MANUFACTURER.
7. STANDING SEAM METAL ROOF PANELS TO BE FASTENED TO SUBSTRATE WITH CONCEALED STAINLESS STEEL CLIPS AND SCREWS.
8. DELEGATED DESIGN: DESIGN METAL ROOF PANEL ASSEMBLY, INCLUDING COMPREHENSIVE ENGINEERING ANALYSIS BY A QUALIFIED PROFESSIONAL ENGINEER. PANEL ASSEMBLY MUST CARRY A FLORIDA PRODUCT APPROVAL NUMBER.





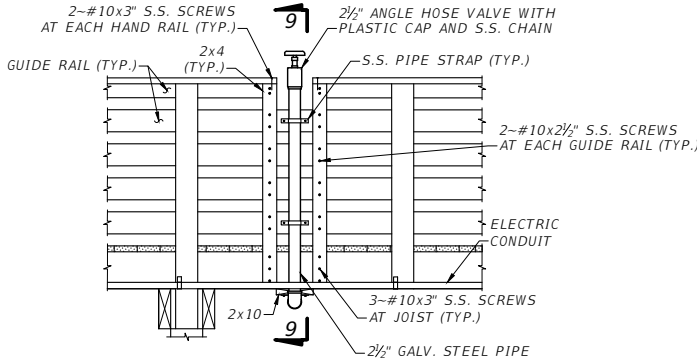
STANDPIPE PLAN

SCALE: 1/8" = 1'-0"



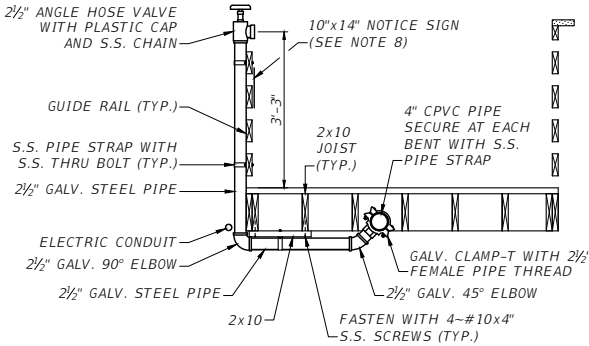
WALKWAY ELEVATION
@ FACE OF SEAWALL

SCALE: 1/2" = 1'-0"



WALKWAY ELEVATION
@ FIRE DEPT. VALVE

SCALE: 1/2" = 1'-0"



SECTION 9-9

SCALE: 1/2" = 1'-0"

NOTES:

1. CONSTRUCT CLASS 1 MANUAL WET STANDPIPE SYSTEM IN ACCORDANCE WITH NFPA 14, NFPA 303, AND LOCAL FIRE AUTHORITY REQUIREMENTS.
2. HYDRAULIC CALCULATIONS SHALL BE PREPARED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS AS REQUIRED FOR THE BUILDING PERMIT.
3. MATERIALS UTILIZED SHALL BE UNDERWRITERS LISTED (UL) FM GLOBAL (FM) APPROVED FOR FIRE PROTECTION AND LISTED IN THE MOST CURRENT VERSION OF THE UL OR FM APPROVAL GUIDES.
4. CPVC PIPING SHALL BE ASTM F442, SDR 13.5 WITH FITTINGS PER ASTM F439, SCHEDULE 80. PIPE AND FITTINGS SHALL EITHER CONTAIN TITANIUM DIOXIDE FOR UV RESISTANCE OR BE COATED WITH PAINT THAT ADHERES TO PVC AND PROVIDES SUNLIGHT PROTECTION.
5. PIPES SHALL BE MARKED WITH MANUFACTURER'S IDENTIFICATION. PIPE COLOR, STRIPING, OR IDENTIFICATIONS SHALL COMPLY WITH CITY & COUNTY REQUIREMENTS.
6. CARBON STEEL PIPE SHALL BE HOT-DIPPED GALVANIZED, SEAMLESS ASTM A53 OR A795, SCHEDULE 40. FITTINGS SHALL BE THREADED, FORGED CARBON STEEL PER ASTM A234, ANSI B16.11 AND GALVANIZED. FLANGES SHALL BE ANSI B16.5.
7. USE DIELECTRIC UNIONS BETWEEN DISSIMILAR METAL PIPE MATERIALS.
8. INSTALL 10"x14" NOTICE SIGN AT EACH FIRE DEPARTMENT VALVE.



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Revision	By	Appd.	Y/M/M/DD

Client/Project
CITY OF SAFETY HARBOR
PINELLAS COUNTY, FLORIDA
SAFETY HARBOR PIER
REPLACEMENT PROJECT

Permit-Seal

Christopher P. Gamache, PE
Lic. No.: 82122

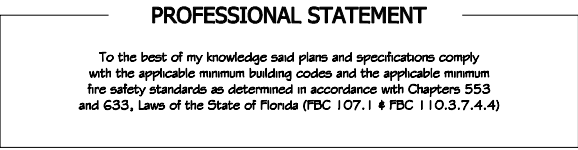
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Project Number: 238201804
SCALE: AS SHOWN

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Dwn.	Dsgn.	Chkd.	YYMMDD

Drawing No. M1.00

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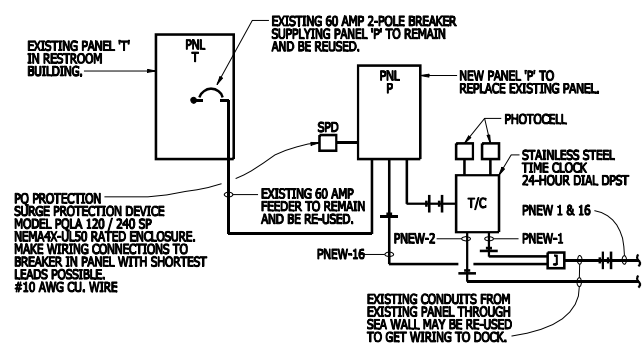
CODE CRITERIA

IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO RESULT IN A COMPLETE ELECTRICAL INSTALLATION IN ACCORDANCE WITH ALL STATE/LOCAL CODES/ORDINANCES, THE 2017 NATIONAL ELECTRIC CODE AND THE LANDLORDS/OWNERS MINIMUM REQUIREMENTS. IN THE EVENT ANY PORTION OF THE INSTALLATION SHOWN OR SPECIFIED FAILS TO MEET THESE REQUIREMENTS, IT SHALL BE THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO ALTER THE LAYOUT TO MEET THE REQUIREMENTS OF SAID GOVERNING CODES AND/OR LANDLORDS/OWNERS MINIMUM REQUIREMENTS AND TO NOTIFY THE ARCHITECT OF SUCH CHANGES IN THESE PORTIONS OF THE PLANS AND SPECIFICATIONS. WHERE INSTALLATION, SHOWN OR DESCRIBED EXCEEDS THE REQUIREMENTS OF THE STATE AND LOCAL CODES, THE SPECIFICATIONS AND PLANS SHALL GOVERN.

CODE CRITERIA

THE INSTALLATION SHALL COMPLY WITH ALL LAWS APPLICABLE TO THE ELECTRICAL INSTALLATIONS WHICH ARE ENFORCED BY THE AUTHORITY HAVING JURISDICTION. THE FOLLOWING CODES SHALL APPLY TO THIS PROJECT:

NFPA - 70 (2017) NATIONAL ELECTRICAL CODE
NFPA - 101 (2018) LIFE SAFETY CODE
FLORIDA BUILDING CODE - 2020 7th EDITION



The diagram illustrates the typical wiring for dock light circuits. It shows a power source with two terminals labeled 'N' (Neutral) and 'L' (Line). The 'L' terminal is connected to a 'LINE' wire, which then branches to a 'PHOTOCELL' and a 'LOAD'. The 'PHOTOCELL' is connected to an 'NTRL' (Neutral) wire, which then connects to the 'LTS' (Lighting Terminal Switch). The 'N' terminal is connected to the 'NTRL' wire, and the 'L' terminal is connected to the 'LTS'.

1. TIME CLOCK IS SET TO ENABLE LIGHTING CIRCUITS TO BECOME ENERGIZED.
2. PHOTOCELL CONTROLS LIGHT ILLUMINATIONS I.E. IF TIME CLOCK IS IN "ON" POSITION PHOTOCELL WILL ENERGIZE LIGHTS WHEN AMBIENT LIGHT IS LOW OR DARK.
3. TIME CLOCK TURNS CIRCUITS OFF AT DESIGNATED TIME TURNING LIGHTS OFF.

GENERAL - THE ELECTRICAL DRAWINGS WHICH CONSTITUTE A PART OF THE CONTRACT INDICATE THE GENERAL ARRANGEMENT OF CIRCUITS AND OUTLETS, LOCATION OF SWITCHES, PANEL BOARDS, CONDUIT AND OTHER WORK. THE ELECTRICAL CONTRACTOR SHALL OBTAIN EXACT LOCATIONS FROM THE ENGINEER PRIOR TO INSTALLATION AND ARRANGE HIS WORK ACCORDINGLY.

THE ELECTRICAL CONTRACTOR SHALL ALSO REVIEW STRUCTURAL PLANS AND SHALL ADJUST HIS WORK TO CONFORM TO ALL CONDITIONS SHOWN THEREON. DISCREPANCIES SHOWN ON DIFFERENT PLANS AND SPECIFICATIONS SHALL BE PROMPTLY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR A DECISION. ALL ITEMS NOT SPECIFICALLY MENTIONED HEREIN WHICH ARE OBVIOUSLY NECESSARY TO MAKE A COMPLETE WORKING INSTALLATION SHALL BE INCLUDED.

THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE OF THE WORK, AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE WORK AND THE SUBMISSION OF HIS PROPOSAL SHALL PRESUPPOSE HIS KNOWLEDGE OF ALL SUCH CONDITIONS AND PERFORMANCE OF ALL WORK REQUIRED FOR A COMPLETE AND CODE COMPLYING INSTALLATION.

THE ELECTRICAL CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR THE COMPLETION OF THE WORK AND SHALL FURNISH TO THE OWNER, UPON COMPLETION, A CERTIFICATE OF FINAL INSPECTION AND APPROVAL FROM THE LOCAL ELECTRICAL INSPECTION DEPARTMENT.

NO WORK SHALL START UNTIL WORKING DRAWINGS AND OTHER REQUIRED DOCUMENTS HAVE BEEN SUBMITTED TO THE DEPARTMENT HAVING AUTHORITY TO ISSUE CERTIFICATES OF APPROVAL AND HAVE BEEN SIGNED AND APPROVED.

IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO RESULT IN A COMPLETE ELECTRICAL INSTALLATION IN ACCORDANCE WITH ALL STATE/LOCAL CODES/ORDINANCES, THE NATIONAL ELECTRICAL CODE AND THE LANDLORDS/OWNERS MINIMUM REQUIREMENTS. IN THE EVENT ANY PORTION OF THE PLANS AND SPECIFICATIONS DOES NOT MEET THESE REQUIREMENTS, IT SHALL BE THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO ALTER THE LAYOUT TO MEET THE REQUIREMENTS OF SAID GOVERNING CODES AND/OR LANDLORDS/OWNERS MINIMUM REQUIREMENTS AND TO NOTIFY THE ARCHITECT OF SUCH CHANGES IN THIS PORTION OF THE PLANS AND SPECIFICATIONS. WHERE INSTALLATION, SHOWN OR DESCRIBED EXCEEDS THE REQUIREMENTS OF THE STATE AND LOCAL CODES, THE SPECIFICATIONS AND PLANS SHALL GOVERN.

FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND TOOLS TO PERFORM ELECTRICAL WORK SHOWN, NOTED OR SCHEDULED FOR A COMPLETE AND FINISHED INSTALLATION.

ALL MATERIALS AND EQUIPMENT SHALL BE SPECIFICATION GRADE AND SHALL CARRY A U.L. LABEL.

MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL APPEAR ON THE UNDERWRITERS LABORATORIES LIST OF APPROVED ITEMS AND SHALL MEET REQUIREMENTS OF ASTM, IEEE, JPCE, NEC, NEMA, RLM, CEM AND OTHER RECOGNIZED STANDARDS AND SHALL BE SIZED IN CONFORMITY WITH REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND OTHER APPLICABLE CODES, WHICH EVER ARE MORE STRINGENT.

THE WORD "PROVIDE" AS USED HEREIN MEANS TO "FURNISH AND INSTALL." COMPLETE.
SUBMIT SHOP DRAWINGS OF ALL MAJOR ELECTRICAL EQUIPMENT AND FIXTURES FOR APPROVAL IF OTHER
THAN THAT SHOWN ON TENANTS DRAWINGS. REFER TO SPECIFICATION SECTION REGARDING SUBSTITUTIONS.

PROVIDE ELECTRICAL SERVICE AS SHOWN ON DRAWINGS. ALL WORK AS NOT SPECIFICALLY NOTED AS BEING BY THE LANDLORD/OWNER SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. COORDINATE ENTIRE INSTALLATION WITH LANDLORD/OWNER.

ELECTRICAL CONTRACTOR SHALL RECORD ALL FIELD CHANGES IN HIS WORK AS THE JOB PROGRESSES, AND UPON COMPLETION SHALL TURN OVER TO THE OWNER A "RECORD" SET OF PRINTS SHOWING THESE CHANGES.

ALL ELECTRICAL WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATION, SERVICING, MAINTAINING AND REPAIRING. ALL CONDUIT SHALL BE CONCEALED WHERE POSSIBLE. EXPOSED CONDUITS SHALL BE IN STRAIGHT LINES PARALLEL WITH OR AT RIGHT ANGLES TO COLUMN LINES OR BEAMS. ALL CONDUCTORS SHALL BE IN CONDUIT.

WARRANTY: MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THIS CONTRACTOR'S EXPENSE.

FOR THE SAME PERIOD, ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK OR EQUIPMENT FURNISHED AND/OR INSTALLED UNDER THIS CONTRACT. THE FOREGOING WORK SHALL BE COMPLETE IN EVERY RESPECT AND THAT ANY MATERIAL OR WORK NOT SPECIFICALLY MENTIONED OR SHOWN ON SHOP DRAWINGS, BUT NECESSARY TO FULLY COMPLETE THE WORK SHALL BE PROVIDED AS PART OF THIS WORK.

CONDUIT AND WIRE - ALL EXPOSED AND EXTERIOR CONDUIT SHALL BE SCHEDULE 80 PVC.

ALL DISTRIBUTION FEEDERS, SUB-FEEDERS AND BRANCH CIRCUITS SHALL BE COPPER. WIRE SIZE SHALL BE MINIMUM #12 AWG FOR LIGHTS. INSULATION SHALL BE THHN/THWN.

240/120 VOLT SYSTEMS
PHASE A - BLACK
PHASE B - RED
NEUTRAL - WHITE
GROUND - GREEN

COLOR CODE SHALL IDENTIFY THE SAME PHASE THROUGHOUT THE SYSTEM, FROM SERVICE SWITCH OR TRANSFORMER THROUGH ALL BRANCH CIRCUITRY.

ALL CONDUIT RUNS SHALL BE DESIGNED TO PRESENT A NEAT AND ORDERLY APPEARANCE, RUNNING LINES PARALLEL WITH BUILDING STRUCTURE OR WALLS.

PULL AND JUNCTION BOXES - SMALL BE PVC CONSTRUCTION

MANUFACTURER: SQUARE D				M/O OR MCB: M/O				PANEL: P NEW			
TYPE: NO				FEED: BOTTOM				VOLTAGE: 120/208V, 3 PH, 4 WIRE			
MOUNTING SURFACE:				C/U/L W/INS: CU				MAIN AMP: 80 AMP			
LOCATION: EXTERIOR				A/C RATING: SEE RISER				FEEDER: 80 AMP			
SPACES: 24											
BREADCR OPTIONS:				NOTES:							
GFI PROVIDE GFI BREAKER				SEE RISER DIAGRAM FOR WIRE & CONDUIT SIZES							
				THIS PANEL IS FED FROM A 80 AMP 2-POLE BREAKER IN							
				STAINLESS BUILDING							
				STAINLESS STEEL CONSTRUCTION							

CKT NO.	LOAD	OPT	CODE	KVA	WIRE	BKWR	PHASE	BKWR	WIRE	KVA	CODE	OPT	LOAD	CKT NO.
1	LEFT SIDE PIER LIGHTS	GFI	L	0.40	12	20	A	20	12	0.98	L	GFI	RIGHT SIDE PIER LIGHTS	2
4	PANEL OUTLETS	GFI	R	1.00	12	20	B	20	12	1.00	R	GFI	PANEL OUTLETS	4
5	PANEL OUTLETS	GFI	R	1.00	12	20	C	20	12	1.00	R	GFI	PANEL OUTLETS	5
7	PANEL OUTLETS	GFI	R	1.00	12	20	A	20	12	1.00	R	GFI	PANEL OUTLETS	8
8	PANEL OUTLETS	GFI	R	1.00	12	20	B	20	12	1.00	R	GFI	PANEL OUTLETS	9
11	PANEL OUTLETS	GFI	R	1.00	12	20	C	20	10	0.10	E		- SURGE PROTECTION	12
13	PANEL OUTLETS	GFI	R	1.00	12	20	A	30	10	0.10	E		DEVICE	14
15	SPACE		L							0.90	R	GFI	PIER RECEPTACLES	16
17	SPACE							C	20		L	GFI	SPINE	18
19	SPACE							B			L	SPACE		20
21	SPACE										L	SPACE		22
23	SPACE										L	SPACE		24

KVA PER PHASE:		BUS A: 3.78
		BUS B: 4.90
		BUS C: 3.10
TOTAL KVA: 11.78		

(L) LIGHTING: 0.68 X 1.25 = 0.85 (R) RECEPTACLES: 10.00 X 1.00 = 10.00 (R) RECEPTACLES: 0.80 X 0.00 = 0.00 (H) HVAC: 0.00 X 1.00 = 0.00 (E) EQUIPMENT: 0.20 X 1.00 = 0.20 (K) KITCHEN EQUIP: 0.00 X 0.00 = 0.00 (S) SURFED: 0.00 X 1.00 = 0.00 LARGEST MOTOR: 0.00 X 0.25 = 0.00	DEMAND FACTOR DEMAND KVA TOTAL DEMAND KVA: 11.80
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PANEL CALCULATIONS DEMAND KVA: 11.80 TIMES 100 DIVIDED BY 208 DIVIDED BY 1.732 DEMAND AMPS: 31.62	JOB NAME: Safety Harbor Pier NPS #: 2208 DATE LAST MODIFIED: 8/25/2023
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E0.01	SPECIFICATIONS, SCHEDULES AND RISER DIAGRAM
E1.00	LIGHTING & POWER PLAN
E2.00	DETAIL SHEET

 **MPS**
ENGINEERING

SINCE 1984

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Client/Project
CITY OF SAFETY HARBOR
PINELLAS COUNTY, FLORIDA

Permit-See
SAFETY HARBOR PIER
REPLACEMENT PROJECT
60% SUBMITTAL

Title
SPECIFICATIONS, SCHEDULES AND RISER DIAGRAM

Project Number: 238201804

SCALE: AS NOTED

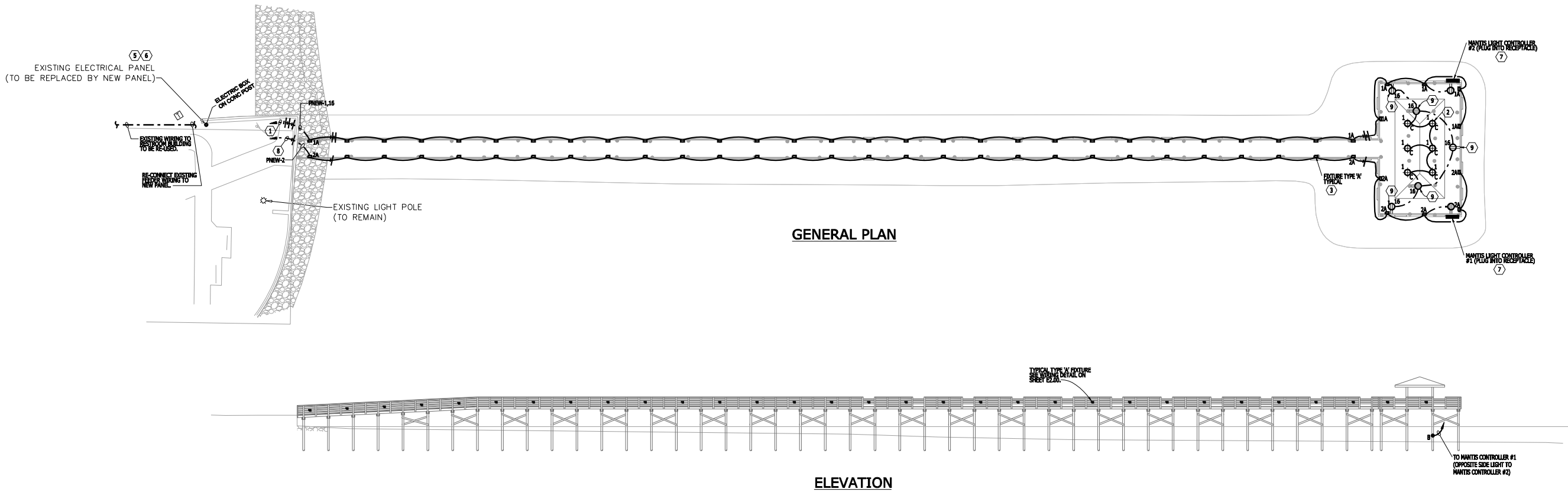
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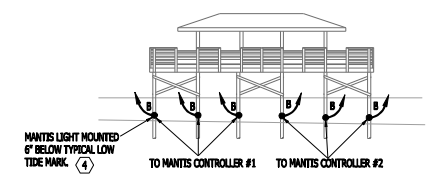
Drawing No. E.01

Revision Sheet

1 of



- NOTES**
- ALL CIRCUITS TO BE PROTECTED BY GFI BREAKERS IN PANEL.
 - MOUNT TYPE 'C' LIGHTS TO ROOF OF SHADE STRUCTURE.
 - TYPE 'A' FIXTURES TO BE MOUNTED ON GUIDE RAILS. SEE DETAIL FOR MOUNTING AND SUGGESTED CONDUIT INSTALLATION ON SHEET E2.00.
 - MANTIS LIGHTS COME FURNISHED WITH CORD TO PLUG INTO CONTROLLER. SECURE THE CORD TO THE STRUCTURE.
 - SEE RISER DIAGRAM AND PANEL SCHEDULE FOR INFORMATION ON NEW PANEL AND ASSOCIATED EQUIPMENT.
 - TYPE 'A', TYPE 'B' AND TYPE 'C' LIGHTS TO BE TIMER/PHOTOCELL CONTROLLED. SEE WIRING DETAIL ON SHEET E0.01.
 - PROVIDE LOCKABLE STAINLESS STEEL BOX TO CONTAIN RECEPTACLE AND CONTROLLER FOR MANTIS LIGHTS. MOUNT INSIDE RAIL AT DECK LEVEL.
 - EXISTING CONDUITS FROM PANEL EXIT SEA WALL AT THIS LOCATION. EXTEND CONDUITS AS REQUIRED TO SUPPLY NEW ELECTRICAL LOADS. ALL NEW CONDUITS ARE TO BE SCHEDULE 80 PVC.
 - RECEPTACLES TO BE WEATHERPROOF CONSTRUCTION WITH LOCKABLE COVERS.

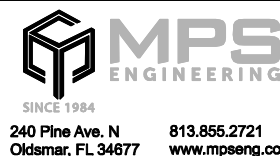


LIGHTING FIXTURE SCHEDULE									
Design.	Type	Finish	Lens	Volt	Watts	Lamps	Manufacturer	Catalog Number	Remarks
A	DECK LIGHT	DIE-CAST BRONZE	TEMPERED FROSTED GLASS	120	3	280 LUMEN LED 30K	CDC LIGHTS	SPD-409LED-120V-3W-30K-120D-SF	SURFACE MOUNT TO RAILING AS DETAILED ON PLANS.
B	UNDERWATER DOCK LIGHTS	BRONZE	GLASS	120/24	25 PER FIXTURE	2000+ LUMEN LED 35K	QUATTRO	101525-101526	UNDERWATER DOCK LIGHTING KIT WITH OPTIONAL FOURTH LIGHT. WITH 150 WATT POWER SUPPLY IN WEATHERPROOF ENCLOSURE. MOUNT LIGHTS UNDER WATER AS SHOWN ON DETAIL ON PLANS.
C	WET LOCATION ROUND SURFACE MOUNTED LIGHT	DARK BRONZE	POLYCARBONATE	120	13	1111 LUMENS LED 35K	KENALL	MR13PFL PP DB-10L35K 5A	SURFACE MOUNT TO CEILING OF SHADE STRUCTURE.

LIGHTING FIXTURE SCHEDULE NOTES

- SUBSTITUTES SHALL BE PROVIDED FOR EACH LIGHTING FIXTURE, BALLAST, AND LAMP.
- NO SUBSTITUTIONS WILL BE JUDGED BEFORE THE BID.
- THERE ARE NO GUARANTEES THAT ANY SUBMITTED SUBSTITUTIONS WILL BE ACCEPTABLE. THE ENGINEER WILL EVALUATE EACH PROPOSED SUBSTITUTION FIXTURE AND WILL DETERMINE IF THE FIXTURE IS ACCEPTABLE. IF THEY ARE NOT DEEMED ACCEPTABLE, AN EXPLANATION WILL BE PROVIDED TO THE CONTRACTOR. THE CONTRACTOR MAY THEN RESUBMIT THE SPECIFIED FIXTURE.
- ALL DECISIONS ON ACCEPTABILITY WILL BE MADE BY THE ENGINEER AND ALL DECISIONS WILL BE FINAL.





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Division

Client/Project
CITY OF SAFETY HARBOR
PINELLAS COUNTY, FLORIDA
SAFETY HARBOR PIER
REPLACEMENT PROJECT
60% SUBMITTAL

Title
DETAIL PLAN

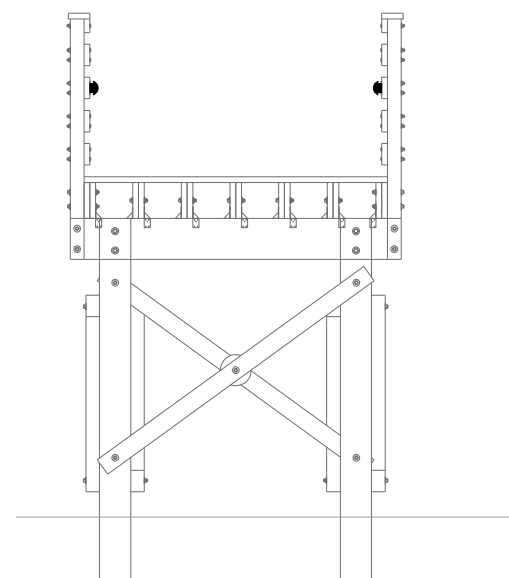


Project Number: 23820180
SCALE: AS NOTED

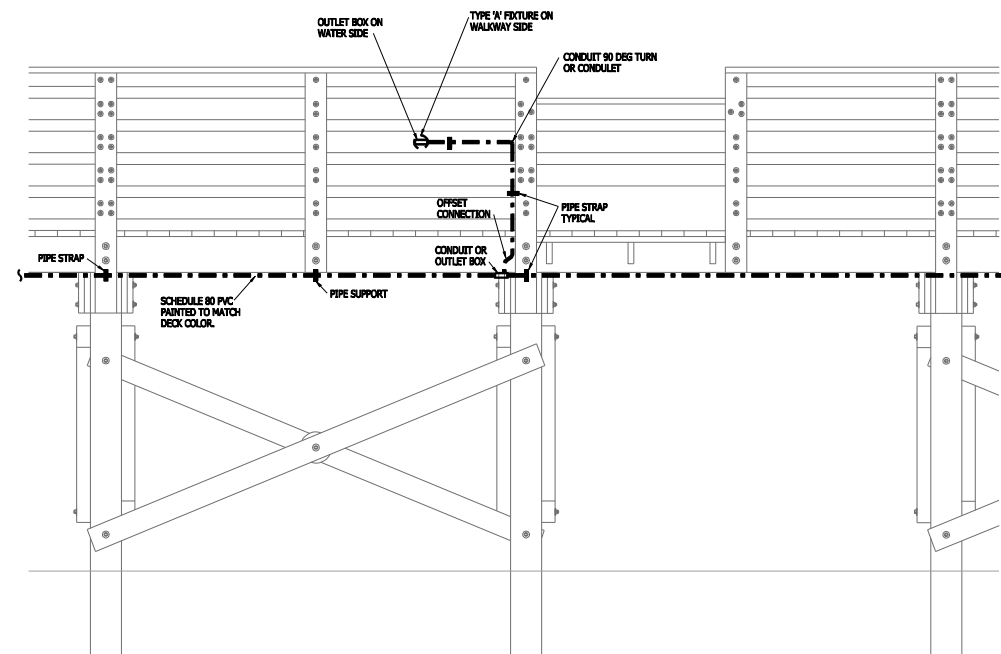
MPS	MPS	MPS	8/16/202
Dwn.	Dsgn.	Chkd.	YY.MM.D
Drawing No.		E2.00	

Revision Sheet

3 0



TYPICAL END SECTION OF PIER



TYPICAL ELEVATION OF PIER
1/2" = 1'-0"



EXISTING RECEPTACLES TO BE REMOVED AND BE REPLACED BY NEW 20 AMP SPECIFICATION GRADE RECEPTACLES. GFI PROTECTION TO BE PROVIDED BY GFI BREAKERS IN NEW PANEL. EXISTING WIRING MAY BE RE-USED IF IN GOOD CONDITION. REPLACE COVERS WITH NEW COVERS.

RE-USE EXISTING POST AND
BACKBOARDS FOR NEW
INSTALLATION

EXISTING PANEL TO BE REMOVED
AND BE REPLACED WITH NEW
STAINLESS STEEL PANEL. SEE PANEL
SCHEDULE AND RISER DIAGRAM FOR
DETAILS.

EXISTING CONDUITS MAY BE RE-USED TO CONNECT TO NEW PANEL. RE-PAINT CONDUIT TO IMPROVE APPEARANCE.