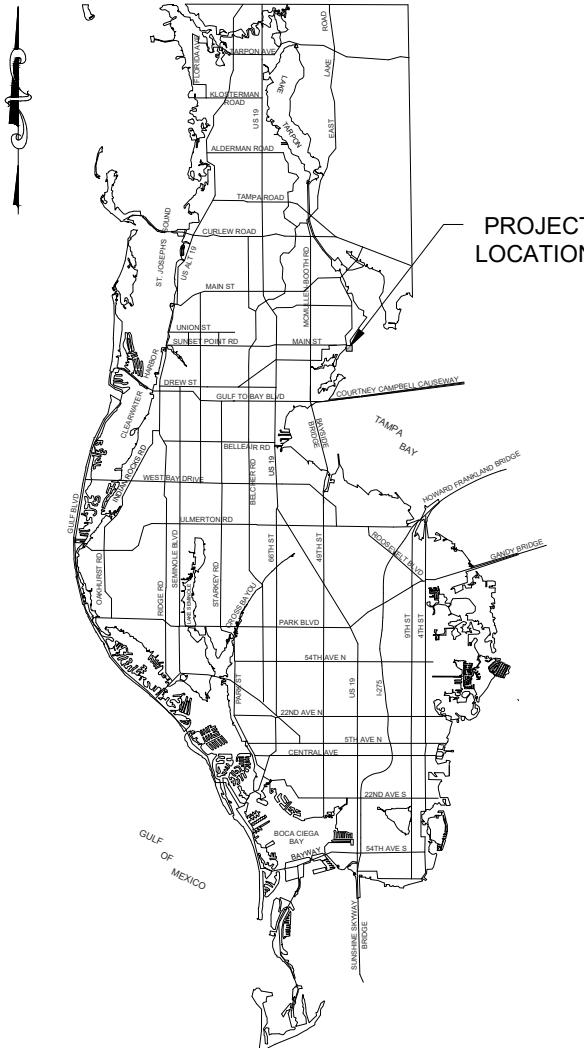


SAFETY HARBOR PIER

REPLACEMENT PROJECT

110 VETERANS MEMORIAL LANE PID: 032-3058-500.63-00-PR0057



PINELLAS COUNTY MAP

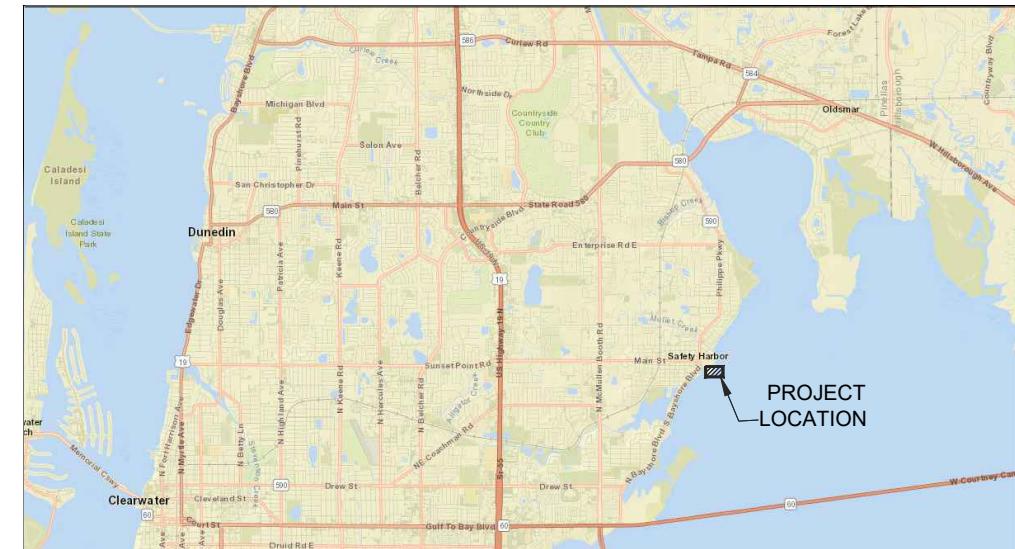
SCALE: N.T.



FOR:
CITY OF SAFETY HARBOR

750 MAIN ST
SAFETY HARBOR, FL 34695

<u>CITY COMMISSION</u>	
JOE AYOUB	MAYOR
ANDY STEINGOLD	VICE MAYOR
NANCY BESORE	COMMISSIONER
JACOB BURNETT	COMMISSIONER
CARLOS DIAZ	COMMISSIONER
JOSH STEFANCIC	INTERIM CITY MANAGER



SECTION 03 - TOWNSHIP 19 - RANGE 16 EAST
PINELLAS COUNTY, FLORIDA

LOCATION MAP

SCALE: N.T.

STANTEC CONSULTING SERVICES, INC.		
SHEET NO.	DRAWING NO.	SHEET TITLE
1	C1.00	COVER SHEET
2	C1.01	GENERAL NOTES
3	C1.02	STORMWATER POLLUTION PREVENTION PLAN
4	C1.03	EROSION CONTROL
5	C2.00	DEMOLITION PLAN
6	C3.00	GENERAL PLAN AND ELEVATION
7	C3.01	FOUNDATION LAYOUT
8	C3.02	FRAMING PLAN
9	C3.03	FRAMING DETAILS (1 OF 2)
10	C3.04	FRAMING DETAILS (2 OF 2)
11	C3.05	SHADE STRUCTURE DETAILS
12	C3.06	SHADE STRUCTURE ROOF FRAMING PLAN
13	M1.00	STANDPIPE DETAILS

MPS ENGINEERING, INC.		
SHEET NO.	DRAWING NO.	SHEET TITLE
14	E0.01	SPECIFICATIONS, SCHEDULES AND RISER DIAGRAM
15	E1.00	LIGHTING & POWER PLAN
16	E2.00	DETAIL SHEET

THIS ITEM HAS BEEN DIGITALLY
SCANNED AND SEALED BY:

THE DATE ADJACENT TO THE SEAL.
INTED COPIES OF THIS ITEM ARE
T CONSIDERED SIGNED AND SEAL.
E SIGNATURE SHOULD BE BERIFIED

THE ELECTRONIC DOCUMENTS.
ANTEC CONSULTING SERVICES, INC.
10 PARK PLACE BOULEVARD
EARWATER, FL 33579
PHONE NUMBER (727) 531-3505
CHRISTOPHER P. GAMACHE, P.E. 82122

REVIEW BY PROWLES

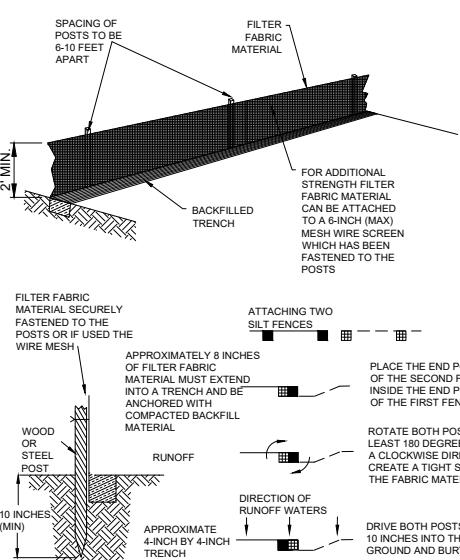
AGENCY APPROVALS					
AGENCY	PERMIT TYPE	DATE SUBMITTED	DATE OF PERMIT	PERMIT No.	EXPIRATION DATE
SAFETY HARBOR	BUILDING				
PINELLAS COUNTY	BUILDING				
PINELLAS COUNTY	DOCK	2/15/2023	4/24/2023	WND-23-00124	4/24/2025
FDEP	EXEMPTION	2/7/2023	2/28/2023	29-0431248-001-EE	N/A
USACE	NATIONWIDE PERMIT	2/7/2023	6/6/2024	SAJ-2013-00334-RSS	3/14/2026

STORMWATER POLLUTION PREVENTION PLAN	
PROJECT NAME: SAFETY HARBOR PIER REPLACEMENT	
PROJECT ADDRESS: VETERANS MEMORIAL PARK OWNER'S ADDRESS: CITY OF SAFETY HARBOR 110 VETERANS MEMORIAL LN 750 MAIN ST. SAFETY HARBOR, FL 34695 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 DENUDATE 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 MAXIMUM 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 DUMPED 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 DISCHARGED 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 (DEP) 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.	
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.	

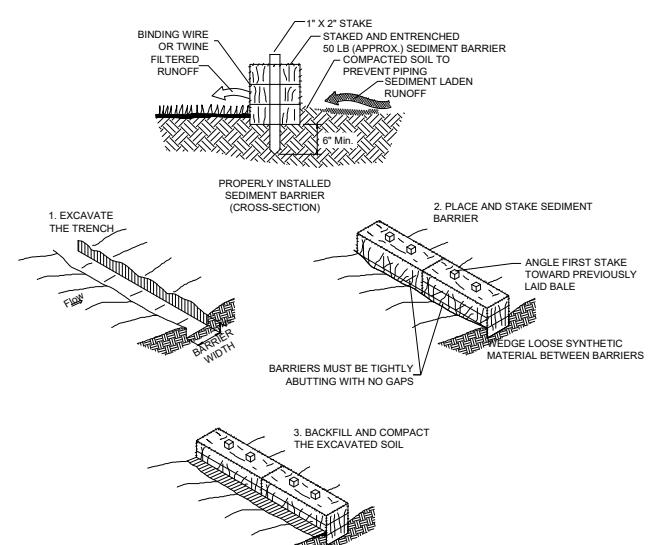
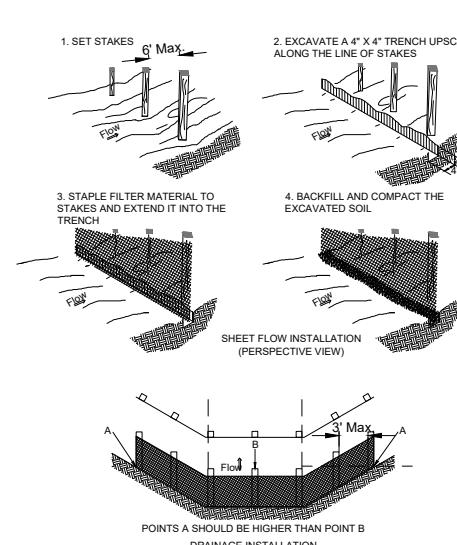
MAINTENANCE AND INSPECTION	
ALL OF THE CONTROLS SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTION AND MAINTENANCE OF ALL EROSION CONTROL DEVICES THROUGHOUT THE CONSTRUCTION PHASE OF THE PROJECT. MAINTENANCE SHALL BE IN ACCORDANCE WITH LOCAL GOVERNMENT AGENCY TECHNICAL 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 RAINFALL. 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 APPROVALS.	
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. MANUFACTURER'S 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 SEALED 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 A 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	FERTILIZERS
DETERGENTS	PETROLEUM BASED PRODUCTS AND FUELS
TAR	CLEANING SOLVENTS
SAND	WOOD
STONE	
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 TO, 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	



INSTALLING A FILTER FABRIC SILT FENCE

SCALE: N.T.S.



TEMPORARY SYNTHETIC SEDIMENT BARRIER

SCALE: N.T.S.

EROSION AND SEDIMENTATION CONTROL NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL AND PREVENT EROSION AND THE TRANSPORTATION OF SEDIMENT TO SURFACE DRAINS AND OUTFALLS. REFER TO CONSTRUCTION PLANS, DETAILS, SPECIFICATIONS AND APPROVED PERMITS FOR DETAILS. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN THEY REACH SIX INCHES ON AN EROSION DEVICE.
- DURING THE CONSTRUCTION OF DRAINAGE STRUCTURES, AND OTHER STRUCTURES REQUIRING EXCAVATION, THE CONTRACTOR SHALL PLACE APPROVED BARRIERS OR OTHER APPROVED DEVICES AROUND SUCH STRUCTURES TO PREVENT EROSION AND THE MIGRATION OF SEDIMENT TO POINTS OUTSIDE THE CONSTRUCTION AREA. THE APPROVED BARRIERS OR OTHER APPROVED DEVICES SHALL BE PLACED IN ACCORDANCE WITH REQUIREMENTS OF THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, FDEP, OR AS DIRECTED BY THE ENGINEER.
- REQUIRED EROSION CONTROL MEASURES MUST REMAIN INTACT THROUGHOUT CONSTRUCTION. FAILURE TO INSTALL OR PROPERLY MAINTAIN REQUIRED EROSION CONTROL WILL RESULT IN ENFORCEMENT ACTION. ALL EROSION CONTROL MEASURES, SAND, SILT, AND DEBRIS SHALL BE REMOVED FROM ALL DRAINAGE PIPES AND STRUCTURES AFTER CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO COUNTY FINAL WALK-THROUGH.
- OUTFALL PROTECTION - PROJECT PIPE OR DITCH DISCHARGES INTO OFF-SITE OUTFALLS SHALL BE INSPECTED DAILY FOR POSSIBLE SEDIMENT BUILDUP OR TRANSPORT. OUTFALLS SHALL BE PROTECTED THROUGH USE OF EROSION CONTROL FEATURES AS NECESSARY TO CONTAIN ANY SEDIMENT LOSS TO THE IMMEDIATE AREA OF THE PROJECT. ANY SEDIMENT BUILDUP OR TRANSPORT OFF-SITE SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMEDY. THE CONTRACTOR SHALL USE APPROPRIATE MEASURES AS DIRECTED BY THE PROJECT ENGINEER FOR OUTFALL PROTECTION.
- APPROVED BARRIERS (OR OTHER APPROVED SEDIMENT CONTROL DEVICES): THESE SHALL BE PLACED AT THE BASE OF ANY SLOPE WHERE A RAINFALL EVENT COULD ERODE A SLOPE AND TRANSPORT SEDIMENTS OFF-SITE. APPROVED BARRIERS SHALL BE DOUBLE STAKED IN ACCORDANCE WITH THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL OR FDEP. IF EROSION DEPOSITS REACH THE TOP ELEVATION OF EXISTING APPROVED BARRIERS, THEN SEDIMENTS SHOULD BE REMOVED. ANY DAMAGED OR INEFFECTIVE APPROVED BARRIERS ARE TO BE REPLACED WITH NEW ONES. THE LOCATION AND INSTALLATION OF APPROVED BARRIERS SHALL BE AS DIRECTED BY THE PROJECT ENGINEER.
- BACK OF SIDEWALK INLETS OR MEDIAN INLETS: THESE SHALL BE PROTECTED FROM SEDIMENT INTAKE UNTIL PROJECT IS COMPLETE. ELEVATION OF GROUND OUTSIDE INLET TOP SHALL NOT BE HIGHER THAN INLET TOP. APPROVED BARRIERS OR OTHER APPROVED SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AROUND INLET TOP. A SECOND ROW OF APPROVED BARRIERS OR OTHER APPROVED SEDIMENT CONTROL DEVICES SHALL BE PLACED AROUND INLET APPROXIMATELY 4" OUTSIDE FIRST ROW. BETWEEN ROWS THERE SHALL BE A DEPRESSION TO ACT AS A SEDIMENT BASIN. COMPLETED INLETS IN PAVED AREAS SHALL ALSO BE PROTECTED WITH A SINGLE LINE OF APPROVED BARRIERS OR OTHER APPROVED SEDIMENT CONTROL DEVICES TO PREVENT SEDIMENT INTAKE FROM OTHER AREAS.
- STOCKPILED MATERIALS SHALL BE PROTECTED BY COVER, APPROVED BARRIERS OR OTHER APPROVED SEDIMENT CONTROL DEVICES.
- ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 3 DAYS AFTER 1/2" RAIN EVENT DISTURBANCE.

- SEDIMENT TRAPPING MEASURES: SEDIMENT BASINS AND TRAPS, PERIMETER BERMS, FILTER FENCES, BERMS, SEDIMENT BARRIERS, VEGETATIVE BUFFERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT AND/OR PREVENT THE TRANSPORT OF SEDIMENT INTO WATERS OF THE STATE OR NEIGHBORING PROPERTIES SHALL BE INSTALLED, CONSTRUCTED OR, IN THE CASE OF VEGETATIVE BUFFERS, PROTECTED FROM DISTURBANCE, AS A FIRST STEP IN THE LAND ALTERATION PROCESS.
- WHERE PUMPS ARE TO BE USED TO REMOVE TURBID WATER FROM THE CONSTRUCTION AREA, THE WATER SHALL BE TREATED TO REDUCE TURBIDITY TO STATE WATER QUALITY STANDARDS PRIOR TO DISCHARGE TO THE WETLANDS. TREATMENT METHODS INCLUDE, FOR EXAMPLE, TURBID WATER BEING PUMPED INTO GRASSED SWALES OR APPROPRIATE VEGETATED AREAS (OTHER THAN UPLAND PRESERVATION AREAS AND WETLAND BUFFERS), SEDIMENT BASINS, OR AREAS CONFINED BY AN APPROPRIATE ENCLOSURE SUCH AS TURBIDITY BARRIERS, AND KEPT CONFINED UNTIL ITS TURBIDITY LEVEL MEETS STATE WATER QUALITY STANDARDS.

- IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR SHALL STABILIZE THE Affected AREA USING SPRINKLING, IRRIGATION, OR OTHER ACCEPTABLE METHODS.
- THERE IS TO BE NO DISCHARGE (I.E. PUMPING, SHEET FLOW, SWALE, DITCH, ETC.) INTO EXISTING DITCHES OR CANALS WITHOUT THE USE OF SETTLING PONDS OR DEVICES. IF THE CONTRACTOR DESIRES TO DISCHARGE INTO EXISTING DITCHES OR CANALS, A SETTLING PLAN PREPARED BY THE CONTRACTOR MUST BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD AND LOCAL REGULATORY AGENCY PRIOR TO CONSTRUCTION.
- WHERE APPLICABLE, SOIL TRACKING PREVENTION DEVICES SHALL BE PROVIDED AND MAINTAINED PER THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL OR FDEP.

- THE EROSION CONTROL DEVICE QUANTITIES SHOWN ON THE BID FORMS ARE ESTIMATES OF THE ACTUAL QUANTITIES THAT MAY BE ENCOUNTERED DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SPECIFY ACTUAL QUANTITIES AND COSTS ASSOCIATED WITH THIS SPECIFIC EROSION CONTROL IMPLEMENTATION SCHEDULE. EROSION CONTROL ITEMS MAY BE ADDED OR DELETED FROM THE PAY ITEM LIST AS THE EROSION CONTROL IMPLEMENTATION SCHEDULE PROVIDED BY THE CONTRACTOR IS MODIFIED TO MEET SITE SPECIFIC CONDITIONS.
- ALL EROSION CONTROL FENCES, BARRIERS, AND SILTATION DEVICES SHALL BE ERECTED PRIOR TO ANY LAND ALTERATIONS, SHALL BE MAINTAINED IN GOOD WORKING ORDER DURING CONSTRUCTION, AND REMOVED FOLLOWING SOIL STABILIZATION AND FINAL DRESSING. BUILT-UP SEDIMENT WILL BE REMOVED FROM SILT FENCES AND STAKED TURBIDITY BARRIERS WHEN IT HAS REACHED ONE THIRD THE HEIGHT OF THE FENCE/BARRIER. STOCKPILE AREAS SHALL INCLUDE SILT FENCE AROUND THE PERIMETER.

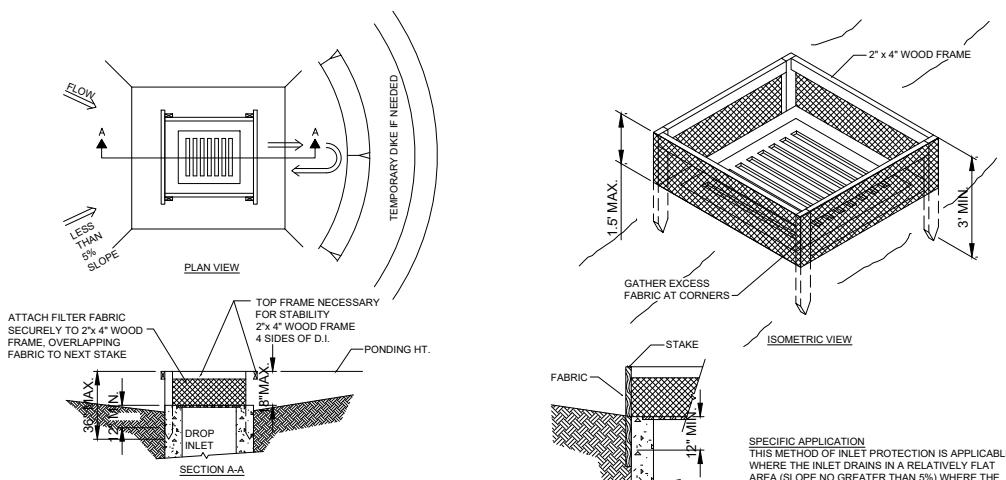
- THE CONTRACTOR SHALL NOT RESTRICT OR BLOCK THE EXISTING DRAINAGE FLOW OVERLAND OR WITHIN RESHAPED SWALES. FLOW WITHIN EXISTING DRAINAGE PIPES SHALL BE MAINTAINED AT ALL TIMES. STORMWATER WILL BE CONVEYED VIA EXISTING SWALES, DITCHES, OR PROPOSED DITCHES, EXISTING AND PROPOSED STORM SEWERS.

- DURING DEWATERING OPERATIONS, THE CONTRACTOR SHALL NOT DISCHARGE DIRECTLY TO RECEIVING WATERS, EXISTING CONVEYANCES TO RECEIVING WATERS, OR WETLAND SYSTEMS. TEMPORARY SEDIMENT BASINS, TRAPS, OR SILTATION REDUCTION DEVICES SHALL BE UTILIZED TO COLLECT THE DISCHARGE FROM DEWATERING ACTIVITIES TO ELIMINATE THE POTENTIAL FOR OFF-SITE SEDIMENT TRANSPORT AND TO INSURE THAT DIRECT DISCHARGE DOES NOT OCCUR.

- BANKS SHALL BE PROTECTED FROM EROSION OR COLLAPSE DURING CONSTRUCTION. BANK PROTECTION MATERIAL SHALL BE CAREFULLY PLACED FROM THE BANK AND NOT DUMPED FROM ABOVE IN AN UNCONTROLLED MANNER. EROSION CONTROL FABRIC SHALL BE USED FOR EROSION PROTECTION WHERE SOD WILL NOT HOLD OR BECOME ESTABLISHED IN TIME TO PROTECT THE BANKS. UNLESS OTHERWISE SPECIFIED IN THE PLANS, UPON COMPLETION OF CONSTRUCTION, ALL BANKS AND WATERWAYS SHALL BE RESTORED TO THEIR PRE- CONSTRUCTION CONFIGURATION AND PROTECTION FROM EROSION.

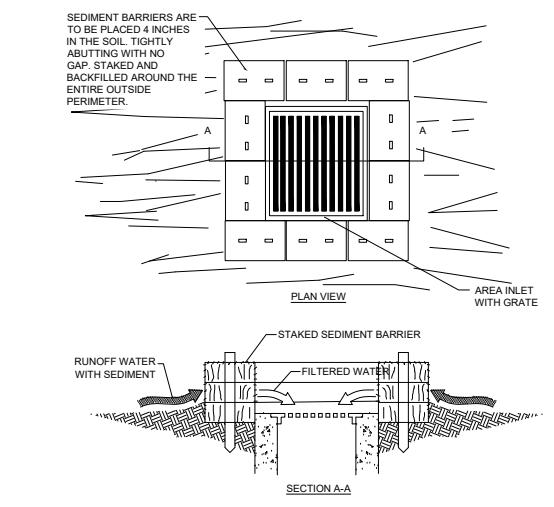
- IF APPLICABLE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING POND FILTRATION SYSTEMS FROM BEING CLOGGED UNTIL SAFETY HARBOR DETERMINES THE CONSTRUCTION IS COMPLETE. IF FILTER MATERIAL IS CONTAMINATED, IT SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

- CONTRACTOR TO COORDINATE WITH LOCAL MUNICIPALITY REGARDING PREPARATION AND PERMITTING WITHIN THE NPDES PROGRAM.



TEMPORARY SEDIMENT BARRIER AT DROP INLET

SCALE: N.T.S.



TEMPORARY SYNTHETIC SEDIMENT BARRIER AT STORM DRAIN DROP INLET

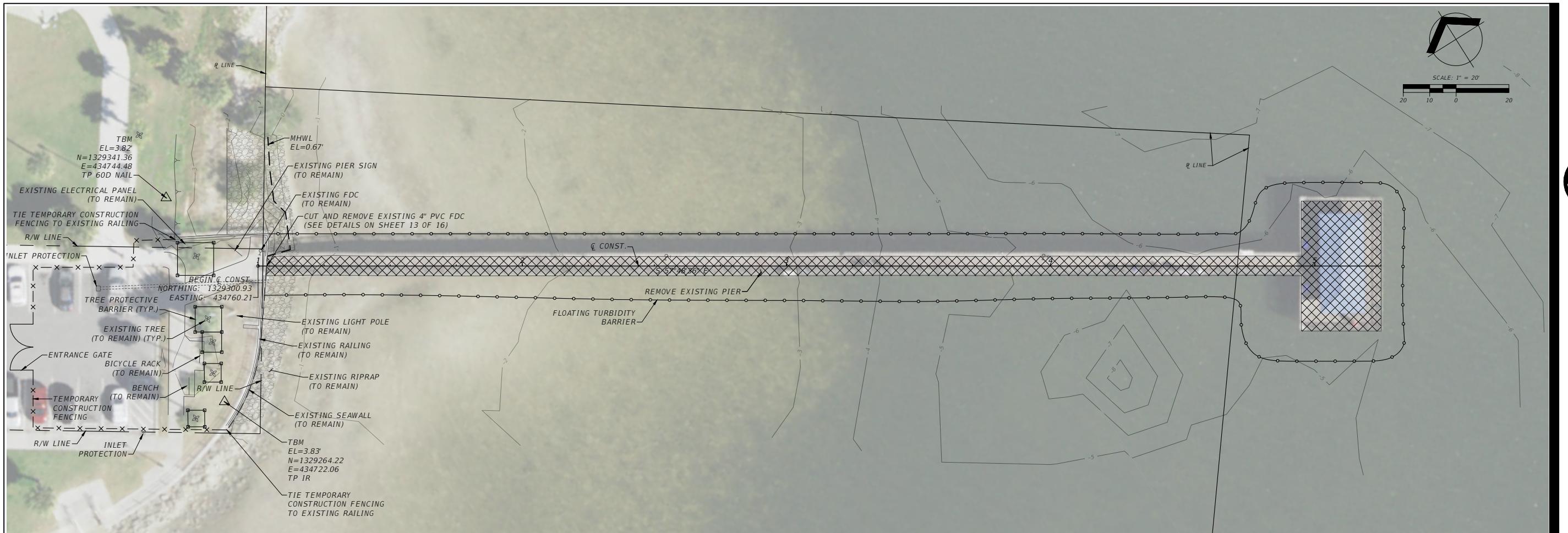
SCALE: N.T.S.

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

Title
EROSION CONTROL

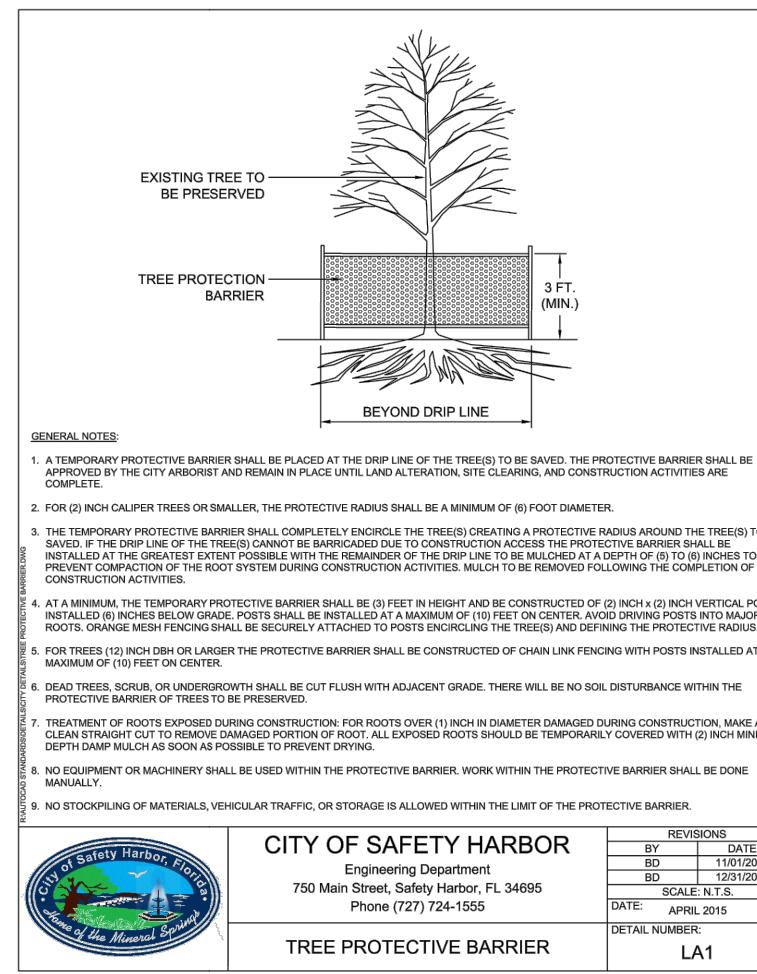
Permit-Seal
Christopher P. Gamache, PE
Lic. No.: 222222
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Project Number: 238201804
SCALE: N/A
MPR IRH CPG 8/18/2023
Dwn. Desgn. Chkd. YY/MM/DD
Drawing No. C1.03
Revision Sheet
4 of 16



DEMOLITION PLAN

SCALE: 1" = 20'



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

Title
DEMOLITION PLAN

Permit-Seal
Christopher P. Gamache, PE
Lic. No.: 82122

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Project Number: 238201804

SCALE: N/A

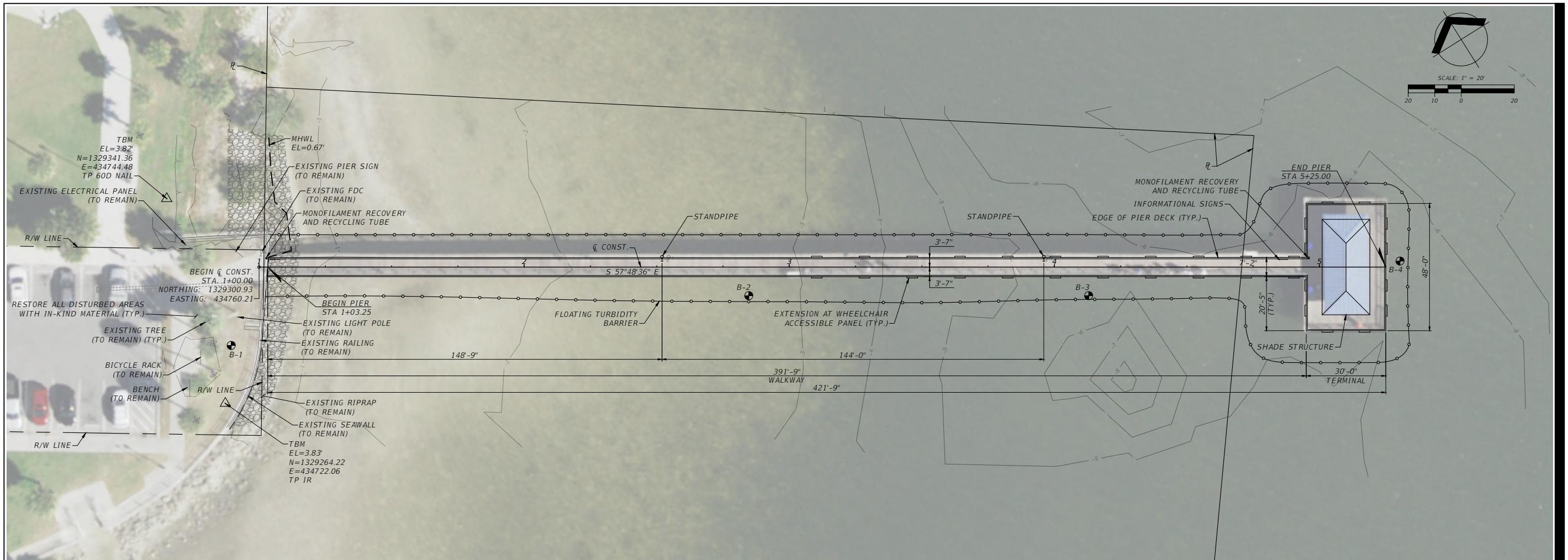
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Dwn. Design Chkd. YY/MM/DD

Drawing No. C2.00

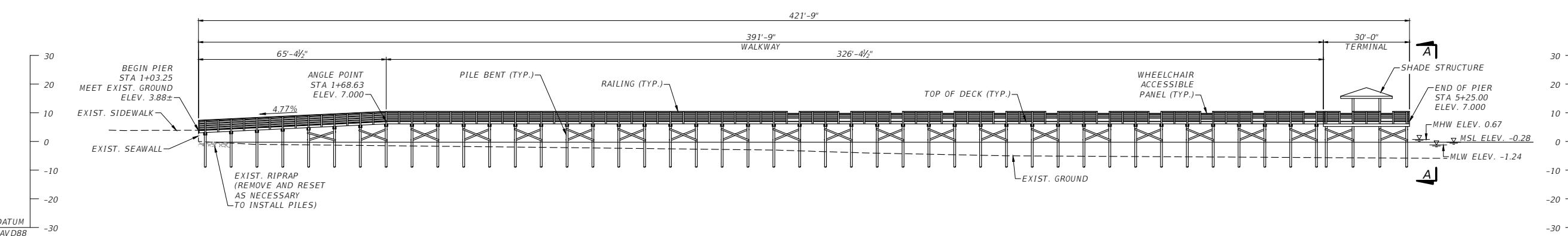
Revision Sheet

5 of 16



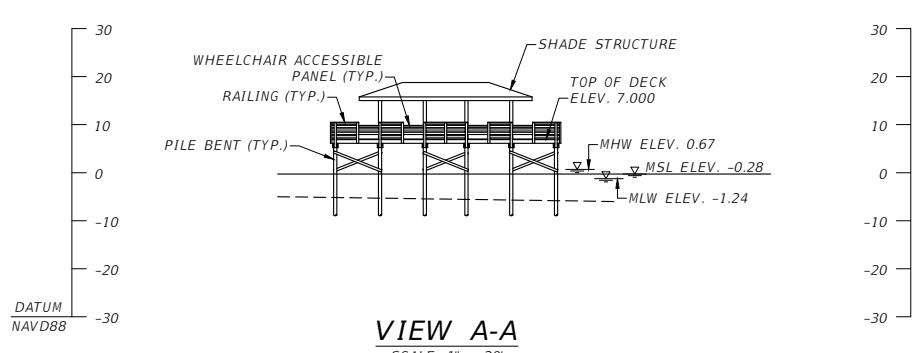
GENERAL PLAN

SCALE: 1" = 20'



ELEVATION

SCALE: 1" = 20'



VIEW A-A

SCALE: 1" = 20'

LEGEND:
 ● SPT BORING LOCATION
 △ SURVEY BENCHMARK

NOTES:

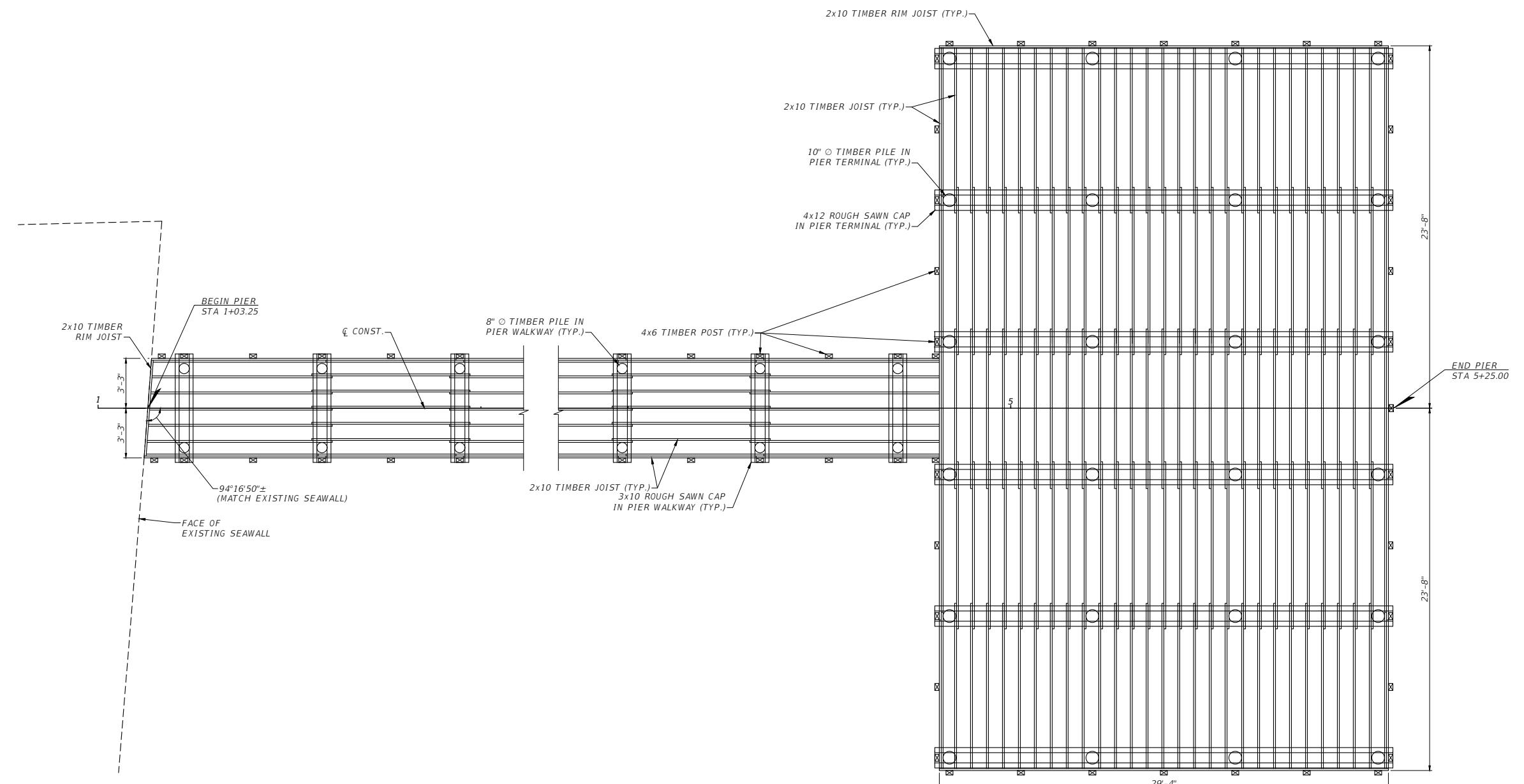
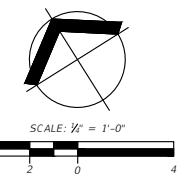
1. PROPOSED PIER PLAN AREA = 4323 FT²
2. FLOATING TURBIDITY BARRIER SHALL BE IN PLACE PRIOR TO ANY IN-WATER WORK.
3. SEE SHEET C.00 FOR LEGEND.
4. EXISTING PIER (TO BE REMOVED) NOT SHOWN FOR CLARITY.

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

Title
 GENERAL PLAN AND ELEVATION

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Project Number: 238201804
 Scale: AS SHOWN
 MPR TRH CPG 8/18/2023
 Dwn. Dsgn. Chkd.
 Drawing No. C3.00
 Revision Sheet
 6 of 16



FRAMING PLAN

SCALE: $\frac{1}{4}$ " = 1'-0"

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.

Project Number:	238201804
SCALE:	AS SHOWN
MPR	TRH
Dwn.	CPG
Drawn,	8/18/2023
Design,	Chkd.
Drawing No.	C3.02
Revision	Sheet

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

Title
FRAMING PLAN

Permit-Seal
Christopher P. Gamache, PE
Lic. No.: 82122

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

Title
FRAMING DETAILS (2 OF 2)

Permit-Seal
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Lic. No.: 82122

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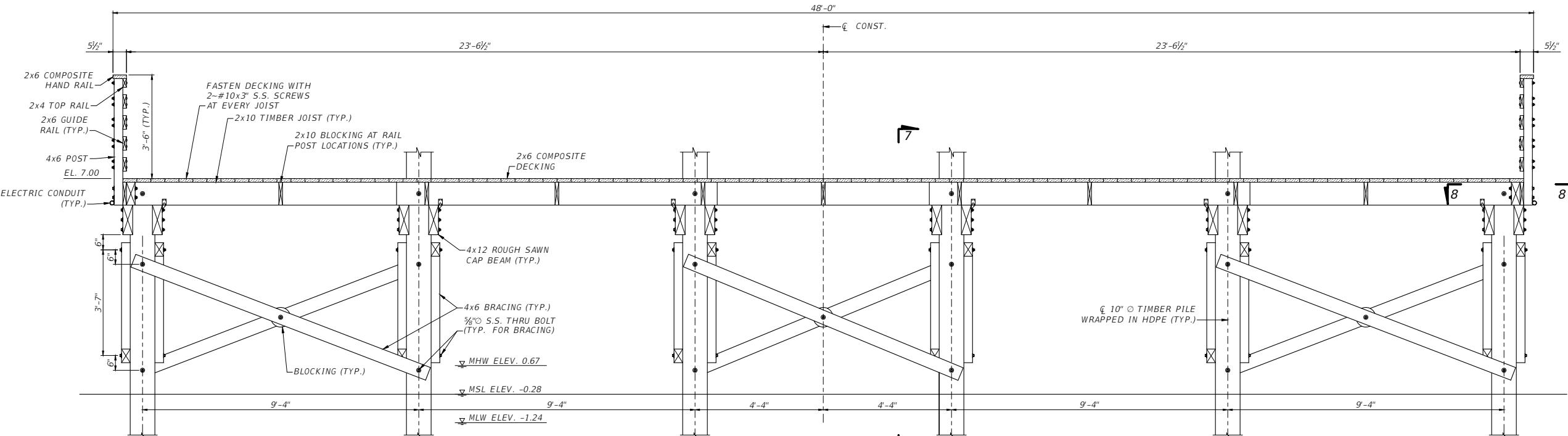
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Drawing No. C3.04

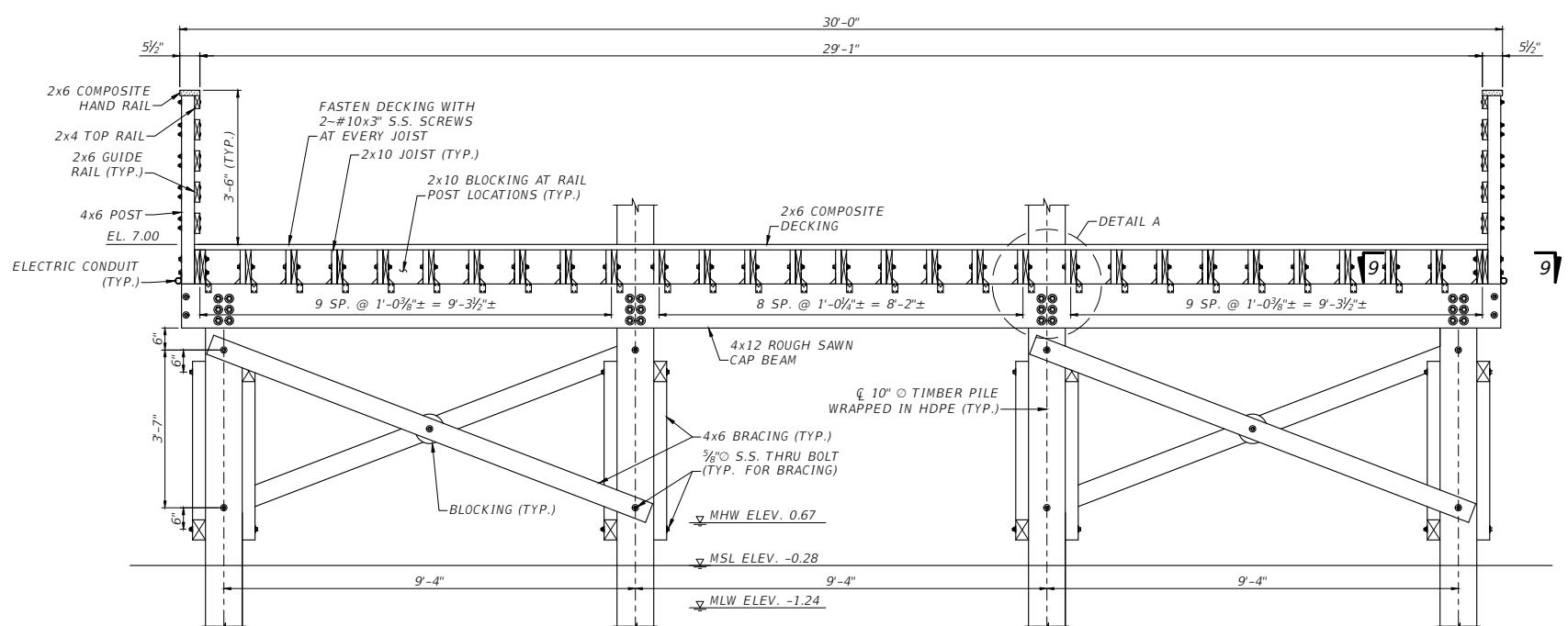
Revision Sheet

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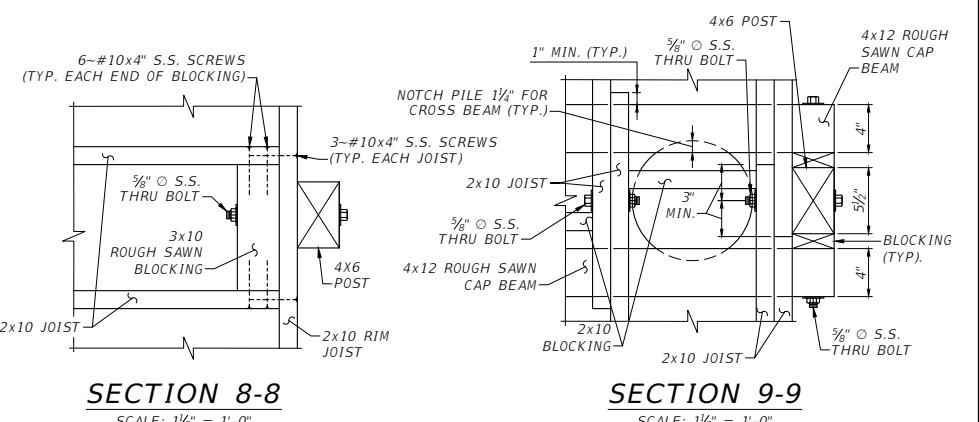
TYPICAL SECTION OF TERMINAL

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



SECTION 7-7

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



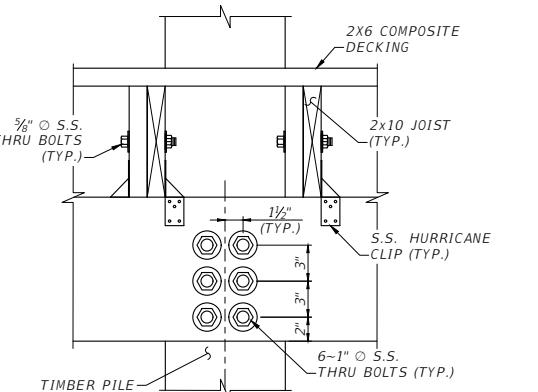
SECTION 8-8

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

NOTE: SEE SECTION 2-2 ON SHEET 9 FOR POST CONNECTION MIDWAY BETWEEN BENTS.

SECTION 9-9

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



DETAIL A

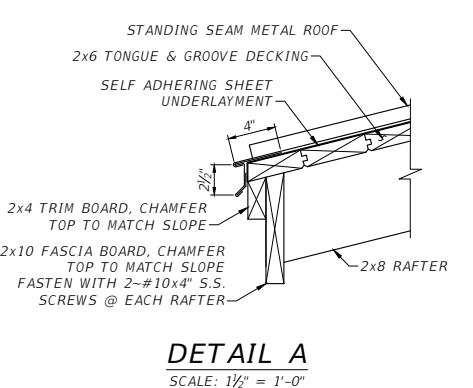
SCALE: $\frac{1}{2}'' = 1'-0''$

NOTES:

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

ROOF FRAMING PLAN

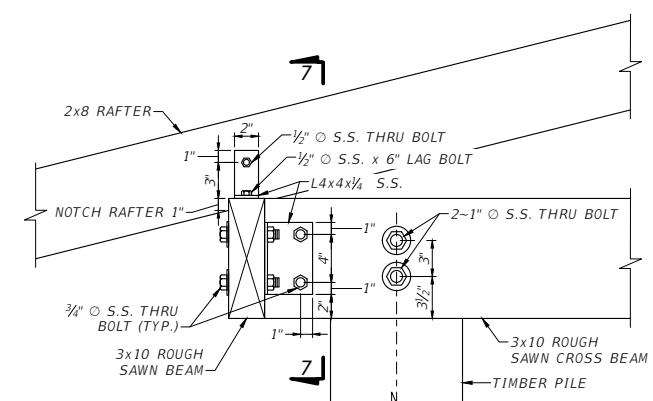
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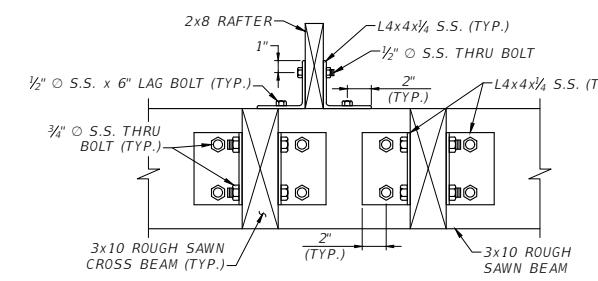
DETAIL A

ROOF DECKING NOTES:

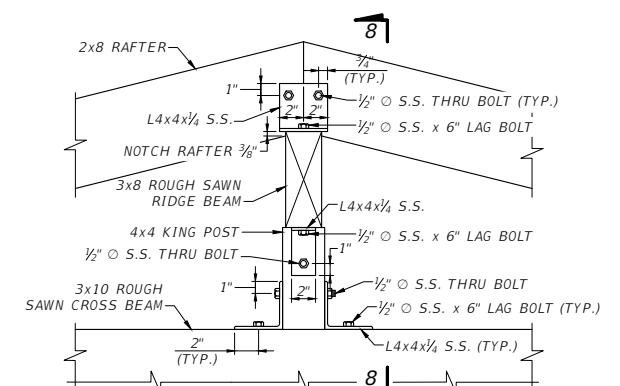
1. IF DECKING IS PLACED IN CONTROLLED RANDOM LAYUP, ODD OR EVEN LENGTHS ARE PERMITTED AND THE MINIMUM LENGTHS BASED ON FBM PERCENTAGES SHALL BE AS FOLLOWS.
 - A. NOT LESS THAN 40% TO BE 14'-0" AND LONGER
 - B. NOT OVER 10% TO BE LESS THAN 10'-0"
 - C. NOT OVER 1% TO BE 4'-0" TO 5'-0"
 - D. MINIMUM LENGTH IS LIMITED TO 75% OF THE SPAN LENGTH.
2. TONGUE AND GROOVE WOOD DECKING IS TO BE INSTALLED WITH TONGUES ON THE UPPER EDGE.
3. ATTACH EACH DECK BOARD TO EACH RAFTER WITH 2-20d COMMON S.S. NAILS.
4. TOENAIL DECK BOARD THROUGH THE TONGUE USING 16d COMMON S.S. NAILS.
5. TOENAIL ALONG EACH COURSE AT AS SPACING OF 2'-6". OFFSET ADJACENT COURSES BY 1'-3".
6. END JOINTS SHALL BE TONGUE AND GROOVE AND BE TOENAILED WITHIN 1'-0" EACH SIDE.



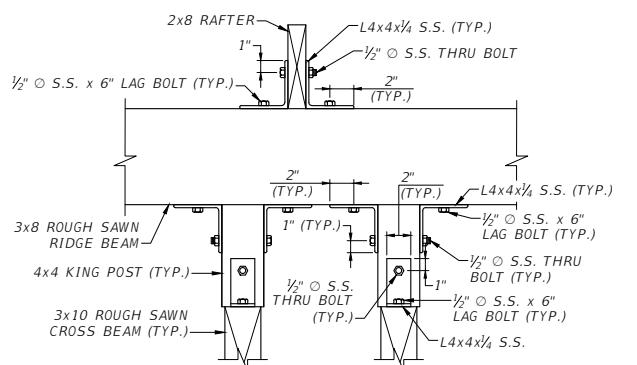
DETAIL B



SECTION 7-7



DETAIL C



SECTION 8-8

**CITY OF SAFETY HARBOR
PINELLA COUNTY, FLORIDA**

**SAFETY HARBOR PIER
REPLACEMENT PROJECT**

ermitt-Seal

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

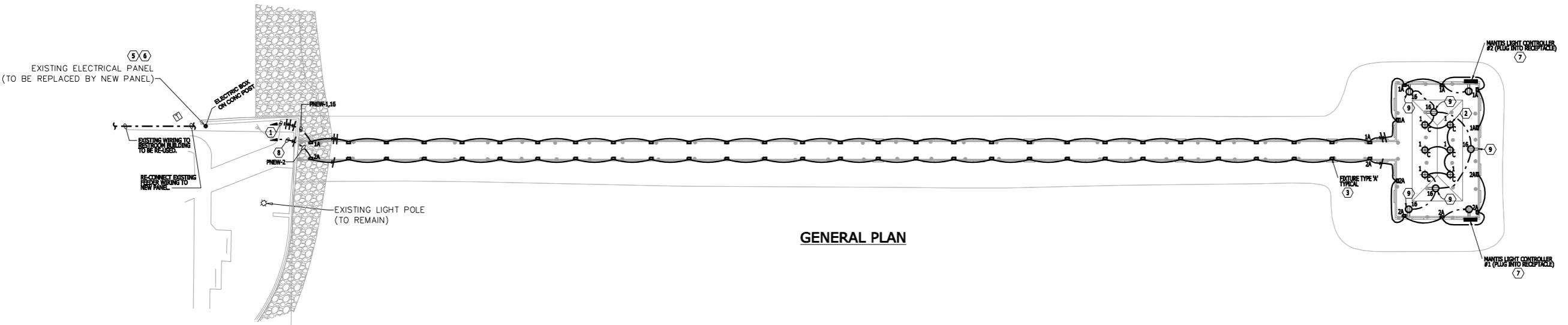
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Object Number: 238201804

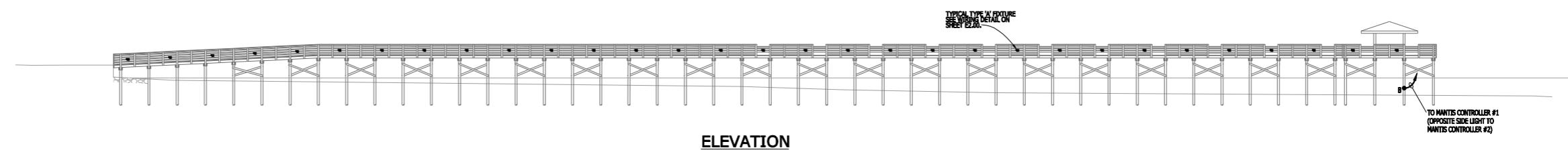
AS SHOWN

rawing No. C3.06

revision Sheet



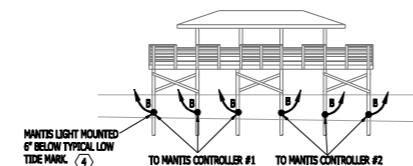
GENERAL PLAN



ELEVATION

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 E2.00.
- 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.



END VIEW

LIGHTING FIXTURE SCHEDULE									
Desig.	Type	Finish	Lens	Volt	Watts	Lamps	Manufacturer	Catalog Number	Remarks
A	DECK LIGHT	BRONZE	TEMPERED FROSTED GLASS	120	3	280 LUMEN LED 30K	C2C LIGHTS	SRD-405LED-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	QUATTRO	101525-101526	UNDERWATER DOCK LIGHTING KIT WITH OPTIONAL FOURTH LIGHT, WITH 150 WATT POWER SUPPLY IN A 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 LUMEN LED 30K	KENALL	MR13FFL PP DB-10L35K SA	SURFACE MOUNT TO CEILING OF SHADE STRUCTURE.

LIGHTING FIXTURE SCHEDULE NOTES

- SUBSTITUTIONS SHALL BE PROVIDED FOR EACH LIGHTING FIXTURE, BALLAST, AND LAMP.
- NO SUBSTITUTIONS WILL BE JUDGED BEFORE THE BD.
- THERE ARE NO GUARANTEES THAT ANY SUGGESTED SUBSTITUTIONS WILL BE ACCEPTABLE. THE ENGINEER WILL EVALUATE EACH PROPOSED SUBSTITUTE 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.



LIGHTING & POWER PLAN

I' = 20'-0"

