

Spring Point Marina Expansion

South Portland, Maine

WIN's 23276.00 & 23278.00

Bid Addendum #5

February 27, 2020

This addendum provides additional information and clarifications to the Bid Documents for the above referenced project.

1. The Bids due date has been extended. Bid submittals shall be in both electronic (via email to hhansell@appliedtm.com) and hard copy form. Electronic Bids are due Friday, March 13, 2020 at 3:00pm. Bidders should confirm receipt of electronic submission. Hard copy Bids will be accepted until Tuesday, March 17, 2020 at 3:00pm.
2. The Substantial Completion Date has been extended to November 1, 2020. Bidders should indicate their proposed Construction Start Date in their Bid.
3. Bid Drawing sheets E1-E4 and P1-P3 have been updated to include clarifications and are attached to this addendum.

RFI responses are provided as an attachment to this Addendum.

Attachments:

- Responses to RFI's # 16 and 17
- Updated Bid Drawing sheets E1-E4 and P1-P3.

Spring Point Marina Expansion

REQUEST FOR INFORMATION

Date: 1/31/20 Time: 9.00 AM

Information Requested: WIN: 23276.00, 23278.00 Town(s): South Portland, ME
Thank you for your response to our RFI 005. We were however referring to the power cables, not the ground cables.
Drawing E2 shows the parallel runs of (2) 250MCM originating at MDP-1 being connected to the existing substations at Dock H and Dock I but not continuing on to the new Substation J.
Please confirm that these parallel runs of (2) 250MCM should be shown as connecting to New Substation J.
Is it the intent to have these same parallel runs connect to the existing substations at Dock H and Dock I as indicated on Dwg E2 ?

Request by: Moulison Heavy Electrical Phone: (207) 282-0759
Bid Date: 2/20/20 Fax: (207) 282-3935

Complete top portion of form and transmit to the number listed in the Notice to Contractors

RFI No: 16 RFI received: January 31, 2020

Response: Please confirm that you have the most recent set of drawings. Sheet E2 is a grounding plan and is not associated with power feeders. The Power Riser and Grounding Diagram on sheet E4 shows two runs of (2) 250MCM from MDP-1 to New Substation J. This project does not include providing new power circuits to existing Substations H or I.

Response By: Aaron Tempel Date: February 27, 2020

Spring Point Marina Expansion

REQUEST FOR INFORMATION

Date: 1/31/20 Time: 9.30 AM

Information Requested: WIN: 23276.00, 23278.00 **Town(s):** South Portland, ME

Our vendors are having a difficult time in locating 4C 250 MCM type G/GC Cable and 2C 250 MCM Type W cable as specified.

Is it permissible to run (4) sets of 4C 1/0 G/GC cables in lieu of the (2) sets of 4C 250MCM cable as specified?

Is it permissible to run (4) sets of 2C 3/0 Type W cables in lieu of the (2) sets of 2C 250MCM cable as specified?

Request by: Moulison Heavy Electrical **Phone:** (207) 282-0759
Bid Date: 2/20/20 **Fax:** (207) 282-3935

Complete top portion of form and transmit to the number listed in the Notice to Contractors

RFI No: 17 **RFI received:** January 31, 2020

Response: _____

These configurations are permissible relating to voltage drop and circuit ampacity. Coordinate to ensure that the lugs on all equipment are capable of receiving the respective cables. Also coordinate to ensure that the cable will fit within the dock system.

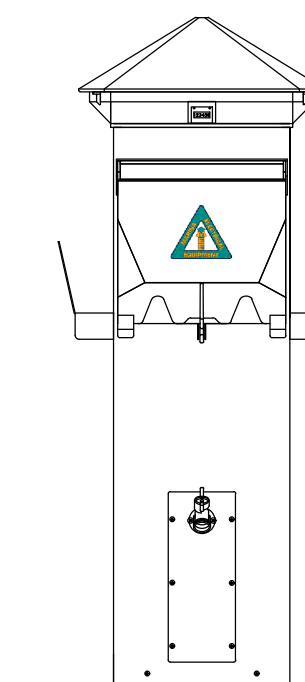
Response By: Aaron Tempel Date: February 27, 2020

GENERAL ELECTRICAL NOTES

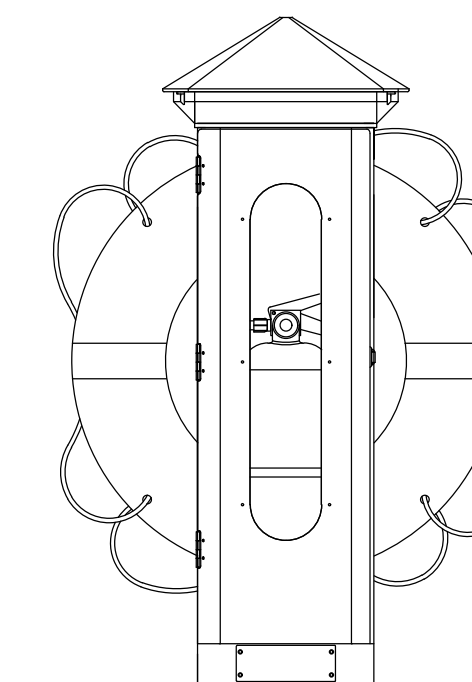
- FURNISH ALL MATERIALS AND LABOR NECESSARY TO PROVIDE COMPLETE AND PROPERLY OPERATING ELECTRICAL SYSTEMS. FURNISH ALL MATERIALS AND LABOR NECESSARY TO DEMONSTRATE TO THE OWNER AND TO THE ENGINEER THAT ALL SYSTEMS ARE OPERATING PROPERLY AND AS SPECIFIED. WARRANTY ALL WORK AND ALL MATERIALS, EQUIPMENT AND DEVICES FOR A PERIOD OF ONE YEAR AFTER OWNER'S ACCEPTANCE.
- WORK SHALL CONFORM TO THE LATEST EDITION OF:
 - ANSI/NFPA 70 (NATIONAL ELECTRICAL CODE)
 - NECA STANDARD OF INSTALLATION
 - INTERNATIONAL BUILDING CODE
 - NFPA 303 MARINAS AND BOATYARDS
 - ALL FEDERAL, PROVINCIAL AND LOCAL CODES AND ORDINANCES
 - LOCAL UTILITY COMPANY REGULATIONS
- ALL MATERIALS, EQUIPMENT AND DEVICES SHALL, AS A MINIMUM, MEET THE REQUIREMENTS OF U.L. WHERE U.L. STANDARDS ARE ESTABLISHED FOR THOSE ITEMS, AND THE REQUIREMENTS OF NFPA 70. ALL ITEMS SHALL BE CLASSIFIED BY U.L. AS SUITABLE FOR THE PURPOSE USED. ALL ITEMS SHALL BE NEW AND ALL MATERIALS/EQUIPMENT/DEVICES SHALL BE CURRENT PRODUCTS BY MANUFACTURERS REGULARLY ENGAGED IN THE PRODUCTION OF SUCH PRODUCTS.
- COORDINATE WITH AND OBTAIN PERMITS AND INSPECTIONS FROM THE AUTHORITY HAVING JURISDICTION, AND INCLUDE ALL FEES IN BID.
- PROVIDE A LAMINATED PLASTIC NAMEPLATE FOR EACH MAJOR ITEM OF ELECTRICAL EQUIPMENT (E.G. PANELBOARDS, DISCONNECT SWITCHES, TRANSFORMERS, ETC.). ATTACH WITH SCREWS, BOLTS OR RIVETS. NAME PLATES FOR DISCONNECTS SHALL INDICATE LOADS SERVED.
- PROVIDE ALL PANELS WITH TYPED DIRECTORIES SHOWING AS-BUILT CONDITIONS AND LABEL ALL CIRCUITS.
- THE NEUTRAL AND GROUND BUS SHALL BE BONDED TOGETHER AT THE SERVICE EQUIPMENT ONLY. THE GROUNDING CONDUCTOR SHALL BE BONDED TO THE GROUNDING ELECTRODE SYSTEM, WHICH SHALL BE COMPRISED OF A 3/4" X 10' DRIVEN GROUND ROD, METALLIC PIPING, BUILDING STEEL, ETC. ALL SUBPANELS SHALL HAVE INSULATED ISOLATED NEUTRALS PER N.E.C. ARTICLE 250.
- THE BASIS OF DESIGN FOR SERVICE CABLES, FEEDERS, AND BRANCH CIRCUITS TO PEDESTALS IS AS FOLLOWS:
 - FROM UPLAND TRANSFORMER TO ENCLOSED CIRCUIT BREAKER: TYPE THWN ROUTED IN CONDUIT
 - FROM ENCLOSED CIRCUIT BREAKER TO PANEL MDP-1: TYPE G-GC - ROUTED IN CONDUIT
 - FROM PANEL MDP-1 TO SUBSTATION J: TYPE W - ROUTED IN DOCK CHASES
 - FROM SUBSTATION J TO PEDESTALS: TYPE G-GC - ROUTED IN DOCK CHASES
 PROVIDE PROPER COMPRESSION TYPE TERMINAL LUGS FOR THIS TYPE CABLE. INSULATION SHALL ALLOW FOR MOVEMENT IN JOINTS TO PREVENT CABLE FROM SHEAR AND STRETCHING.
- SUBMIT SHOP DRAWINGS ON ALL MATERIALS FOR APPROVAL.
- SUBMIT INSTALLATION DETAILS ON EXACT EQUIPMENT PROVIDED FOR APPROVAL.
- UTILIZE DIELECTRIC INSULATING MATERIALS TO SEPARATE ANY DISSIMILAR METALS. ALL FASTENERS SHALL BE STAINLESS STEEL ASTM A-304 (MINIMUM).
- THIS DESIGN UTILIZED THE HARBOR LIGHT SS SERIES POWER PEDESTALS AS MANUFACTURED BY (MARINA ELECTRICAL EQUIPMENT, WILLIAMSBURG, VIRGINIA, USA. TEL. 1-865-258-3939). ALL POWER PEDESTALS TO BE TO BE PROVIDED WITH APPROPRIATELY SIZED CIRCUIT BREAKERS FOR THE RECEPTACLES INDICATED. SUBMIT SHOP DRAWINGS. POWER PEDESTALS TO BE PROVIDED WITH 2 EACH 19mm (3/4") HOSE BIBBS (COORDINATE WITH PLUMBING DRAWINGS). PROVIDE PHOTO-CELL CONTROLLED LED LIGHTS WITH AMBER LENSES (VERIFY WITH OWNER PRIOR TO ORDERING) AND GFI MAINTENANCE RECEPTACLE ON A SEPARATE 120V, 1P, 20A CIRCUIT BREAKER. REVIEW DRAWINGS FOR CABLE SIZES. PROVIDE OVERSIZED LUGS ON PEDESTALS AS NECESSARY.
- COORDINATE PLACEMENT OF ALL PEDESTALS, SUBSTATIONS, PANELS, CABLES AND ASSOCIATED APPURTENANCES WITH DOCK SUPPLIER PRIOR TO CONSTRUCTION.
- CONTRACTOR TO PROVIDE WIRING PULL PLAN SUBMITTAL. COORDINATE WITH ALL OTHER TRADES AND INCLUDE WATER, WASTE, FUEL, ETC. IN PULL PLAN SUBMITTAL.
- MODIFICATION OF THE EXISTING DOCK SYSTEM MAY BE REQUIRED FOR THE INSTALLATION OF NEW UTILITIES. COORDINATE WITH EXISTING AND NEW DOCK SYSTEMS. INCLUDE ALL NECESSARY TRANSITIONS, SUPPLIES, APPURTENANCES AND LABOR IN BID. MODIFICATIONS SHALL BE INCLUDED IN BID ITEM "FURNISH AND INSTALL COMPLETE MARINA ELECTRICAL SYSTEMS".

SYMBOL LEGEND

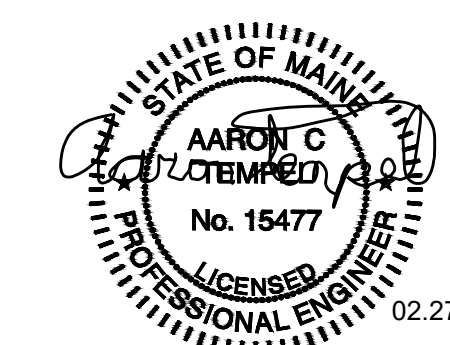
- FIRE EXTINGUISHER PEDESTAL - 120V POWER NEEDED FOR LIGHT OBTAIN POWER FROM NEAREST PEDESTAL.
- POWER PEDESTAL WITH ONE 120V, 1P, 30A GFCI TYPE CIRCUIT BREAKER WITH TWIST-LOCK RECEPTACLE ON EACH SIDE, AND ONE 240V, 2P, 50A GFCI TYPE CIRCUIT BREAKER WITH 125/250V, 50A TWIST LOCK RECEPTACLE ON EACH SIDE. ALSO PROVIDE ONE 120V, 1P, 20A CIRCUIT BREAKER WITH A 120V, GFCI TYPE RECEPTACLE ON ONE SIDE.
- POWER PEDESTAL WITH ONE 120V, 1P, 30A, GFCI TYPE CIRCUIT BREAKER WITH TWIST-LOCK TYPE RECEPTACLE ON EACH SIDE, ONE 240V, 2P, 50A GFCI TYPE CIRCUIT BREAKER WITH 125/250V, 50A TWIST LOCK RECEPTACLE ON EACH SIDE. ONE 240V, 2P 100A GFCI TYPE BREAKER WITH 240/120V, 100A RECEPTACLE ON ONE SIDE (COORDINATE SIDE WITH OWNER). ALSO PROVIDE ONE 120V, 1P, 20A CIRCUIT BREAKER WITH A 120V, GFCI TYPE RECEPTACLE ON ONE SIDE.
- POWER PEDESTAL WITH ONE 120V, 1P, 30A, GFCI TYPE CIRCUIT BREAKER WITH TWIST-LOCK RECEPTACLE ON EACH SIDE, ONE 240V, 2P, 50A GFCI TYPE CIRCUIT BREAKER WITH 125/250V, 50A TWIST-LOCK RECEPTACLE ON ONE SIDE. ALSO PROVIDE ONE 120V, 1P, 20A CIRCUIT BREAKER WITH A 120V, GFCI TYPE RECEPTACLE ON ONE SIDE.
- 1/0 TYPE TW GREEN GROUND CABLE
- BRANCH CIRCUIT, ARROW INDICATES HOMERUN, CROSS LINES INDICATE NUMBER OF CONDUCTORS, GROUNDING CONDUCTOR IS NOT SHOWN BUT SHALL BE PROVIDED IN ALL CIRCUITS (2#12, 1#12G, 1/2"C UNLESS NOTED OTHERWISE). SEE NOTE 8, THIS SHEET.
- 480V TO 240/120V, 1Ø SUBSTATION. SEE SINGLE LINE DIAGRAM AND SCHEDULES FOR TRANSFORMERS RATINGS AND PANEL CIRCUIT BREAKER REQUIREMENTS.
- ENCLOSED CIRCUIT BREAKER. SEE DRAWINGS FOR SIZE AND TYPE.
- EXISTING TRANSFORMER



MEE HARBOR LIGHT SS SERIES PEDESTAL HLSS30100



MEE FIRE STATION PEDESTAL FS1020



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 P.O. BOX 2132 • MT. PLEASANT, SC 29465
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Aaron Tempel
 Signature
 Aaron C. Tempel, P.E.
 M.E. Professional Eng. PE15477
 02.27.2020
 Date

REVISIONS	REMARKS
1	ADDENDUM 5
DATE	BY
2/26/20	ACT
DATE	BY
1/22/19	ACT
DATE	BY
1/22/19	ACT

DESIGNED	DRAWN	CHECKED	AS NOTED
ACT	RD	ACT	
DATE	1/22/19		
JOB NO.			
SCALE			

SPRING POINT MARINA - EXPANSION
 SOUTH PORTLAND, MAINE
NOTES, LEGEND, SCHEDULES
 SPRING POINT MARINE
 PORTLAND, ME

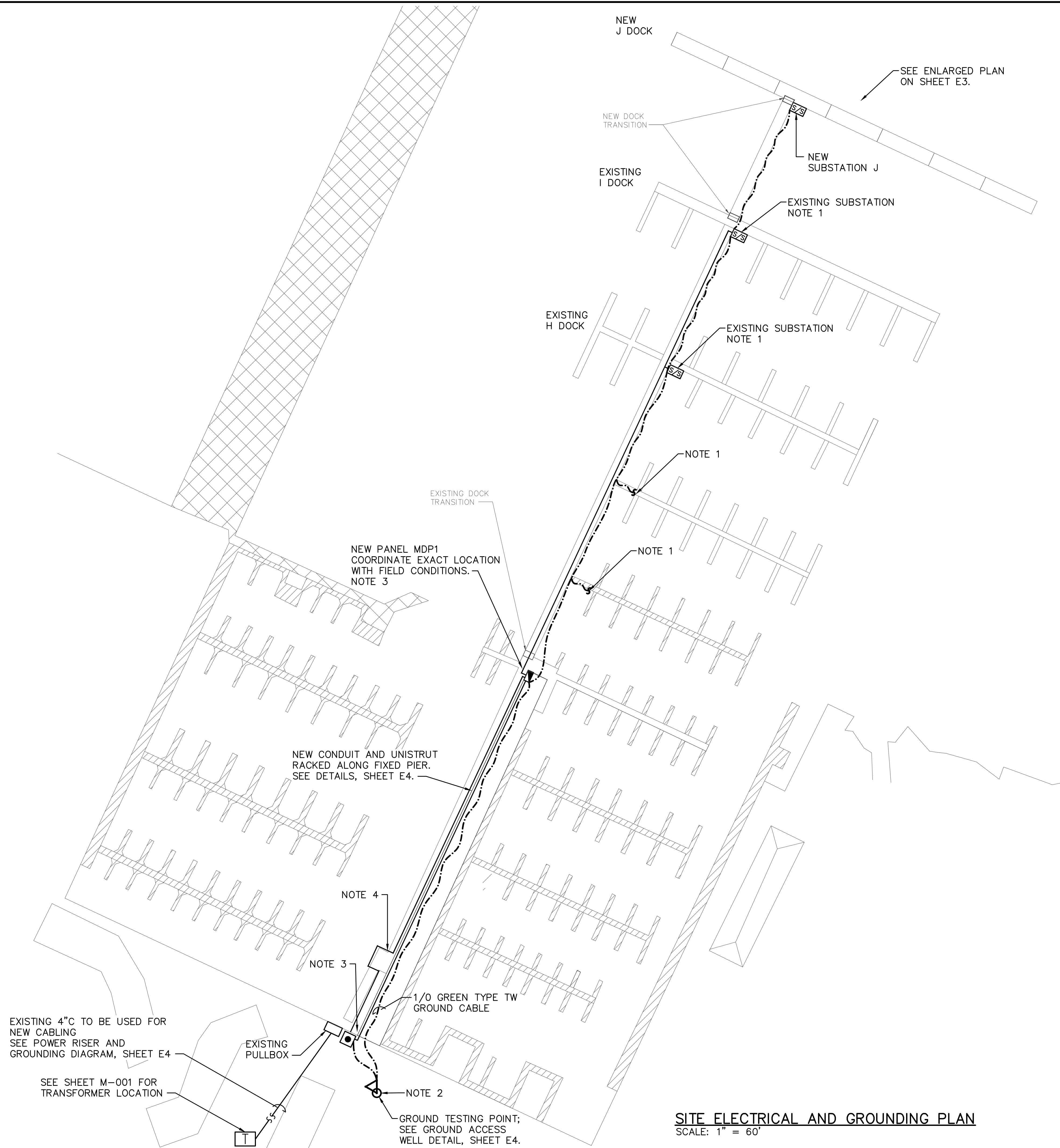
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 (843) 414-1040

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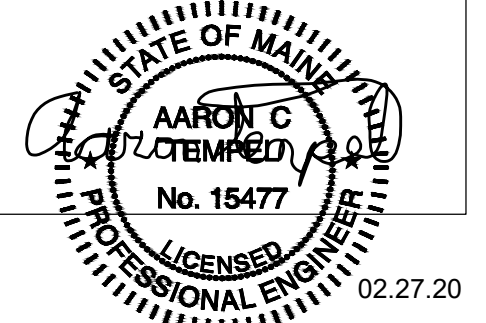
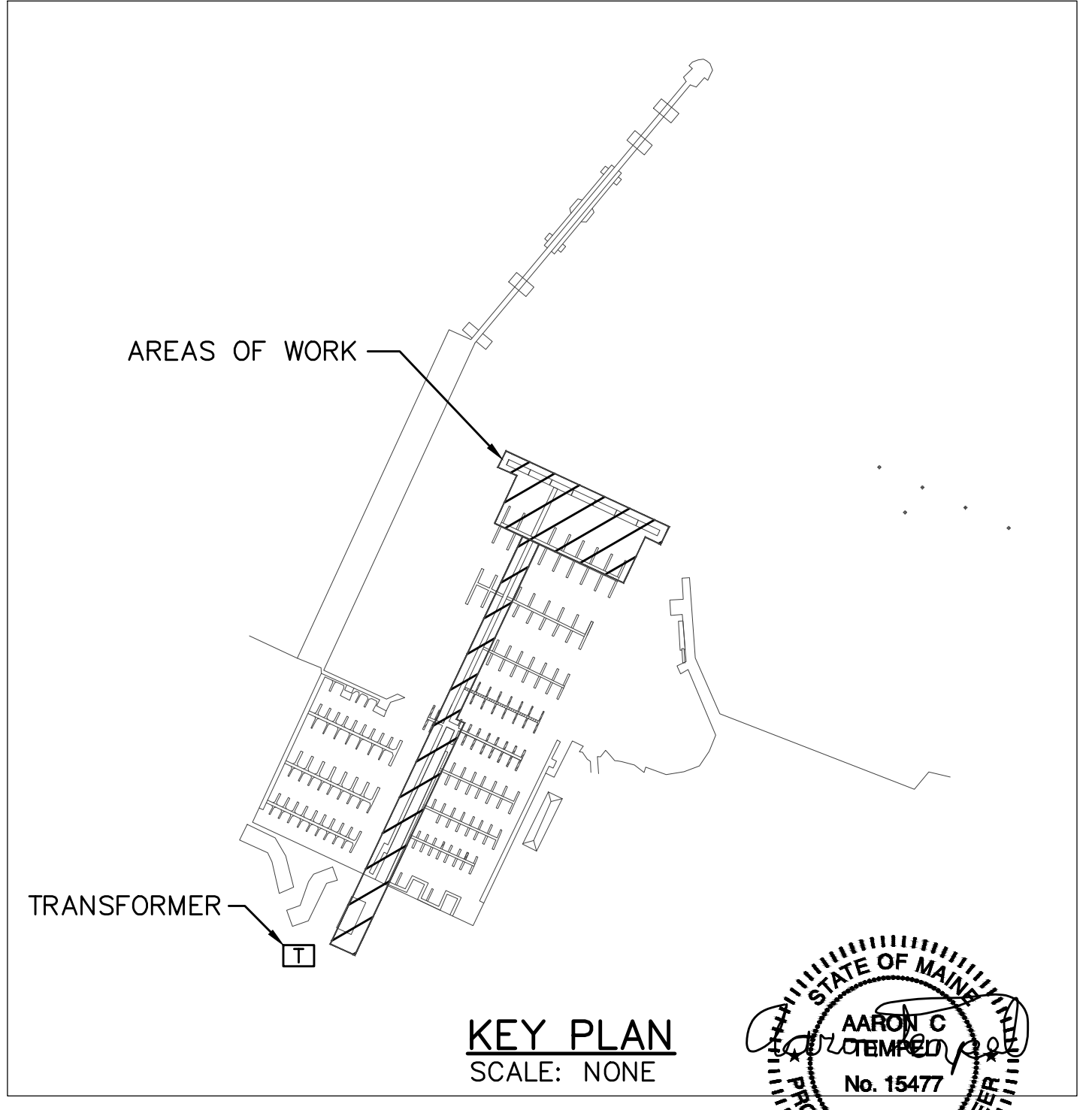
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- GENERAL NOTES (THIS SHEET ONLY)**
- BOND NEW GROUND CABLE TO GROUND SYSTEMS OF EXISTING PANELS, TRANSFORMERS, ETC.
 - EACH DOCK SHALL BE PROVIDED WITH GROUND SYSTEM. ALL SUBSTATIONS, STEEL STRUCTURES, DISCONNECT SWITCHES, GANGWAYS, ETC. SHALL BE BONDED WITH 1/0 COPPER TYPE TW GREEN CABLE TO THIS GROUND SYSTEM. PROVIDE THREE COPPER CLAD 3/4"x10' COPPER CLAD GROUND RODS SPACED IN 10' DELTA CONFIGURATION WITH ONE TEST WELL (SEE SHEET E4 FOR DETAIL).
 - PROVIDE RIGID PVC FITTINGS AS NECESSARY TO TRANSITION FROM THE NEW GFCI ENCLOSED BREAKER AND MDP TO THE NEW CONDUIT. PROVIDE WITH JUNCTION BOX, AND WEATHER TIGHT BUSHINGS AS NECESSARY.
 - PROVIDE RIGID PVC FITTINGS AND JUNCTION BOXES AS NECESSARY TO TRANSITION AROUND EXISTING FIXED PIER. PROVIDE JUNCTION BOX AFTER 360° WORTH OF BENDS (TYPICAL).



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Aaron Tempel
 Signature
 Aaron C. Tempel, P.E.
 ME Professional Eng. PE15477
 02.27.2020
 Date

REV. No.	DATE	BY	CHKD.	ACT.	REMARKS
1	2/26/20	SJC	ACT		ADDENDUM 5

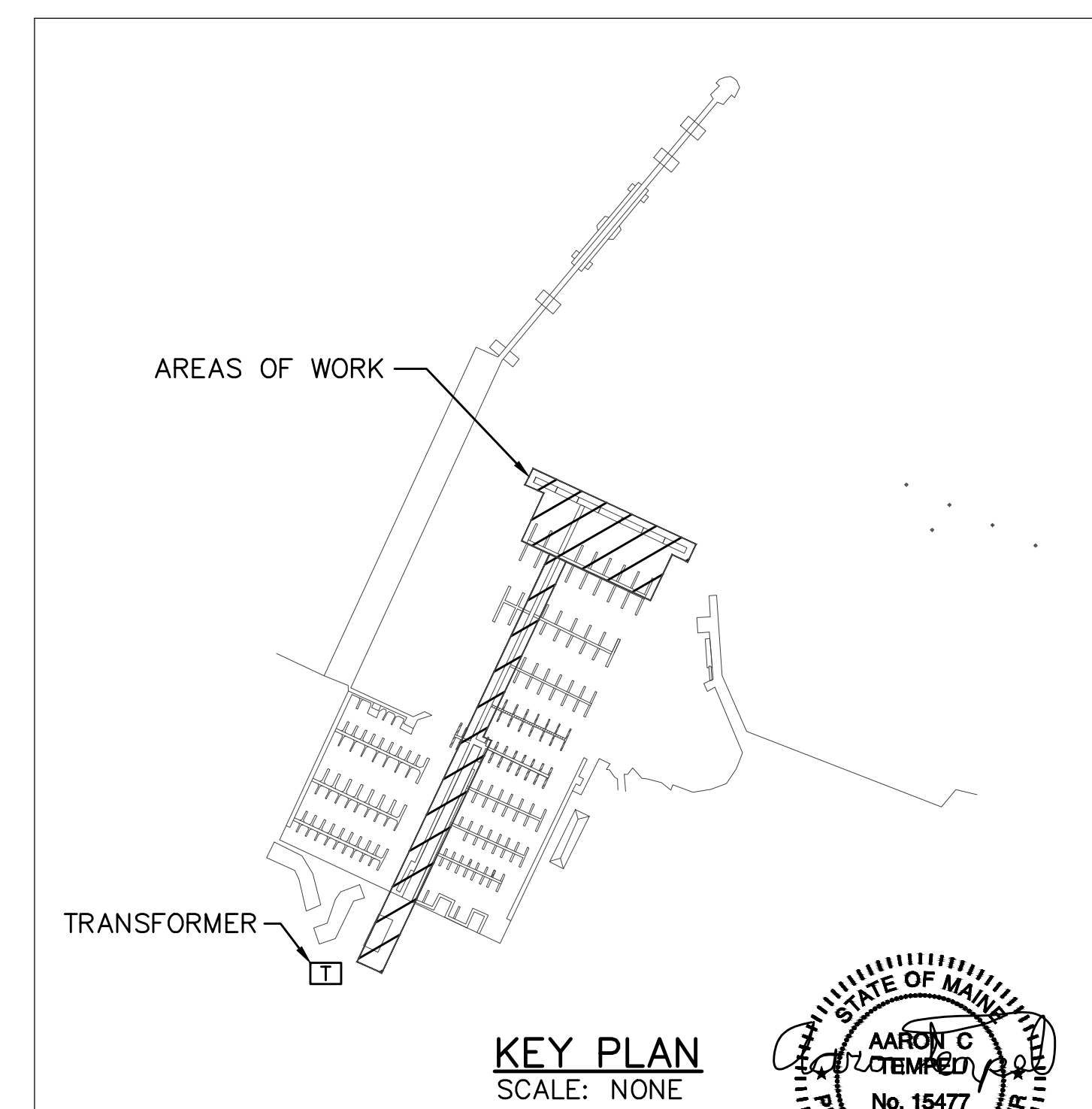
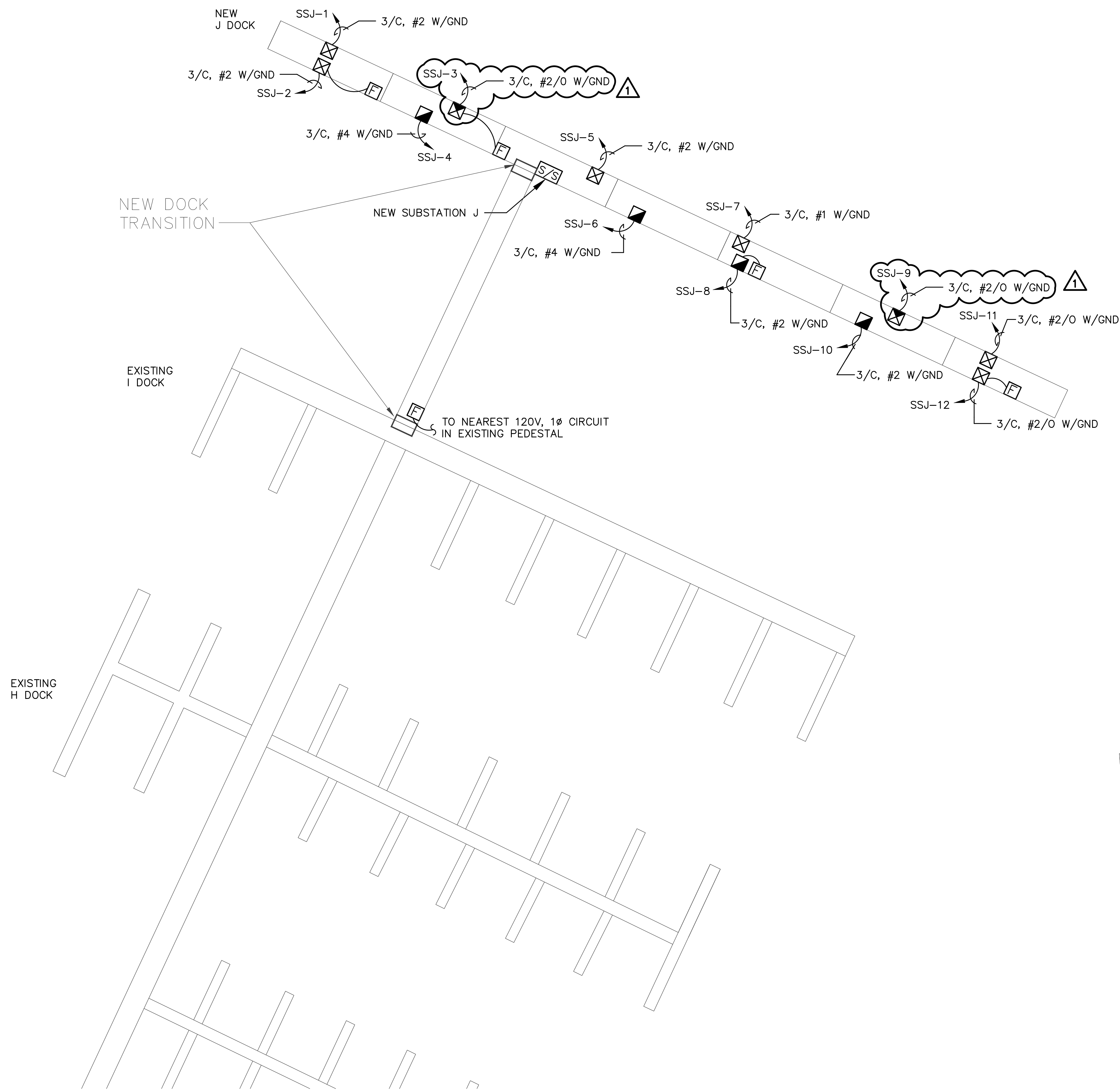
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SPRING POINT MARINA - EXPANSION
 SOUTH PORTLAND, MAINE
SITE ELECTRICAL AND GROUNDING PLAN
 SPRING POINT MARINE
 PORTLAND, ME

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 (843) 414-1040

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NEW DOCK ELECTRICAL PLAN
SCALE: 1" = 30'

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APPLIED TECHNOLOGY & MANAGEMENT
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 Mt Pleasant, SC 29464
 (843) 414-1040

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Aaron Tempel
 Signature
 Aaron C. Tempel, P.E.
 M.E. Professional Eng. PE15477
 02.27.2020
 Date

REV. No.	DATE	BY	CHKD.	REMARKS
1	2/2/20	SLC	ACT	APPENDUM 5

DESIGNED	DRAWN	CHECKED	SCALE
ACT	11/27/19	ACT	AS NOTED

SPRING POINT MARINA - EXPANSION
 SOUTH PORTLAND, MAINE

SITE ELECTRICAL PLAN

SPRING POINT MARINE
 PORTLAND, ME

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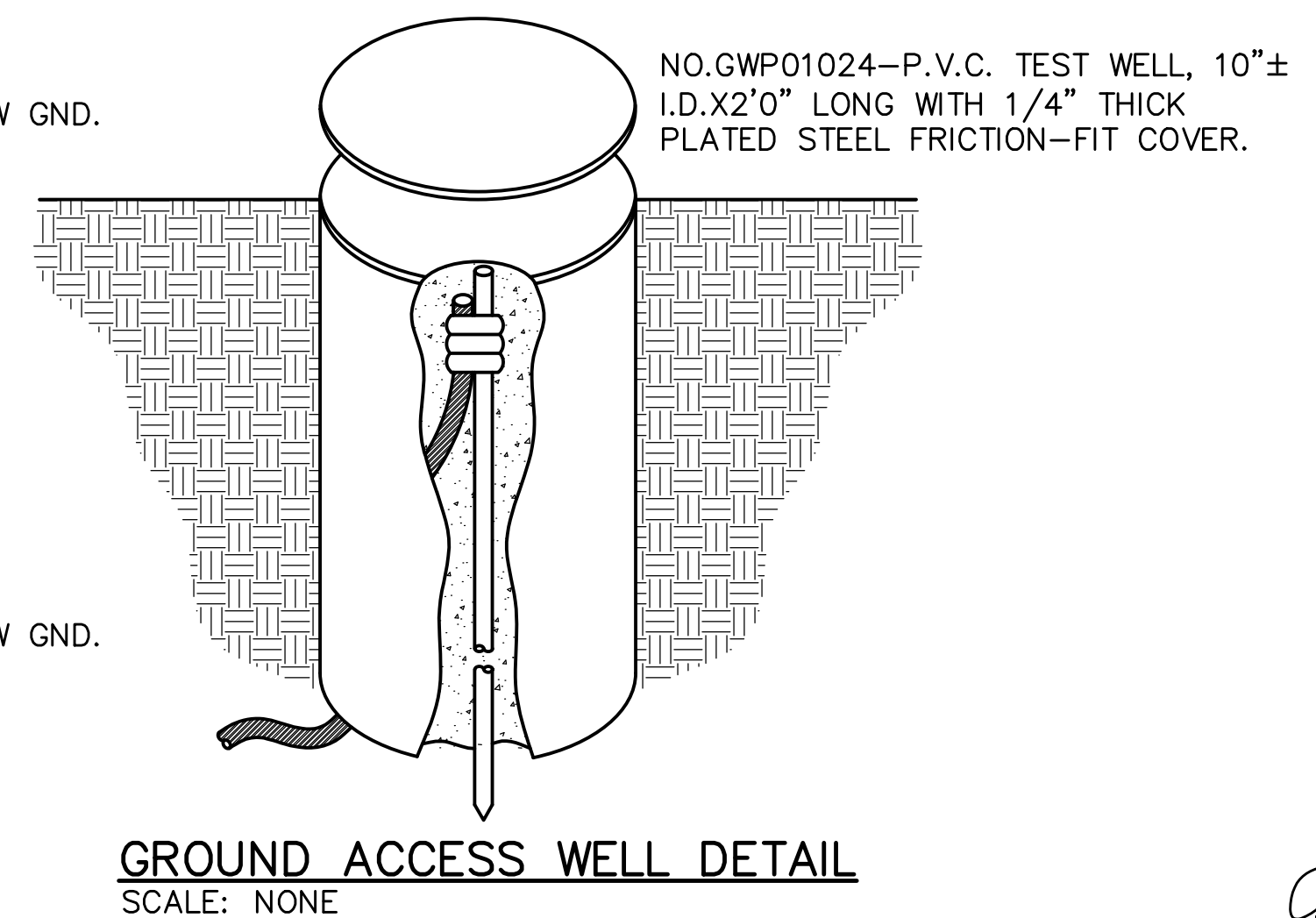
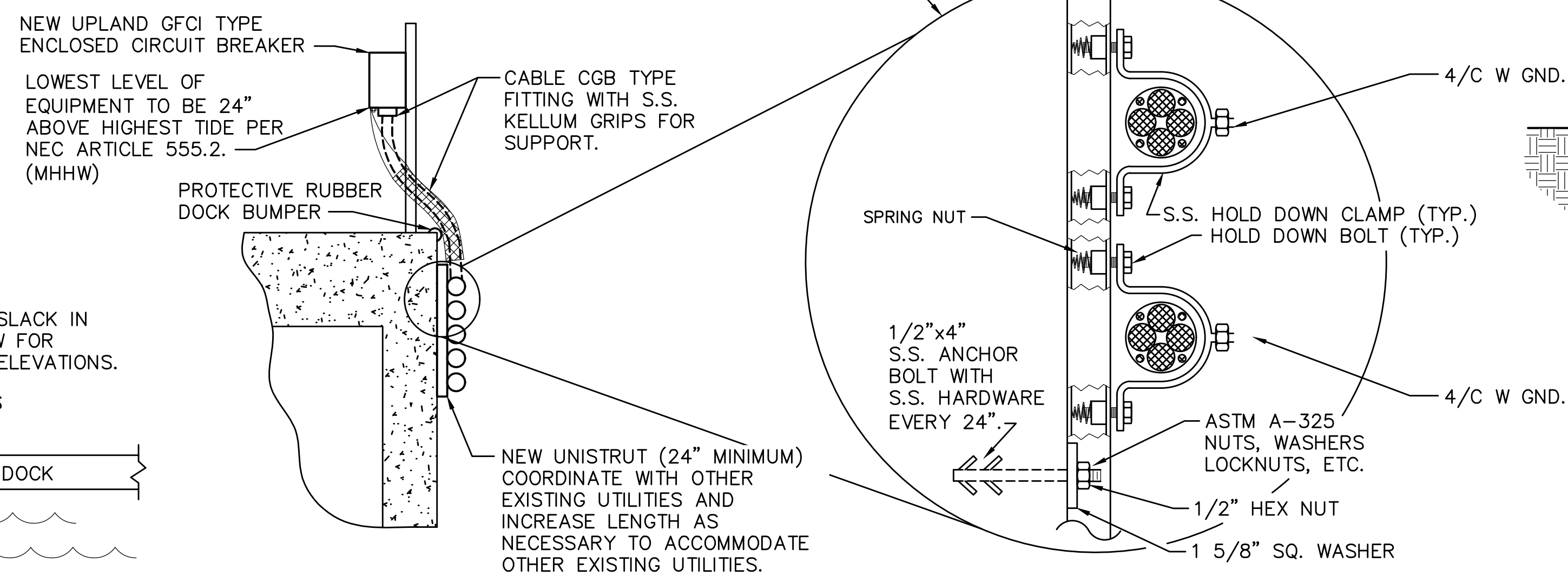
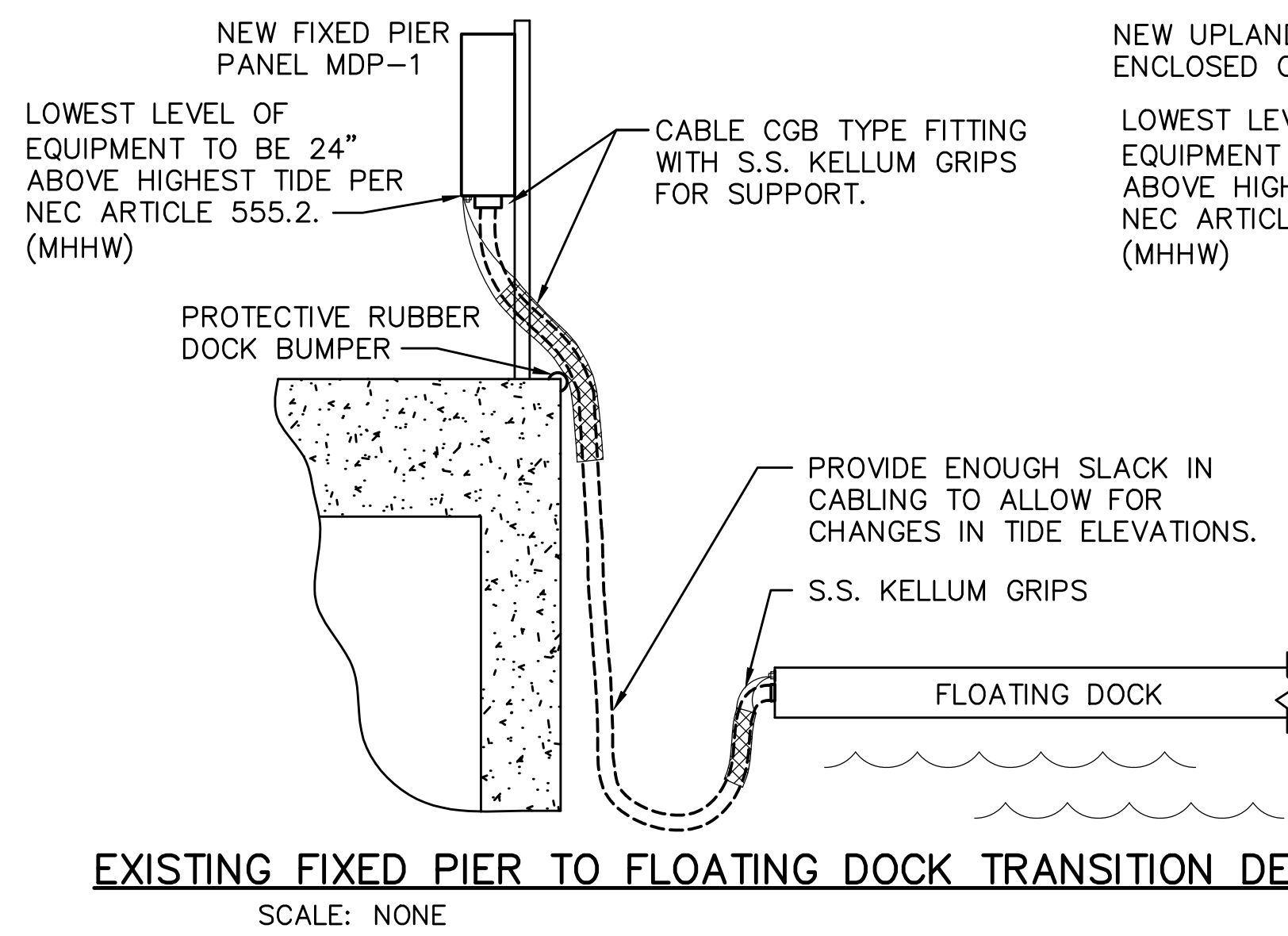
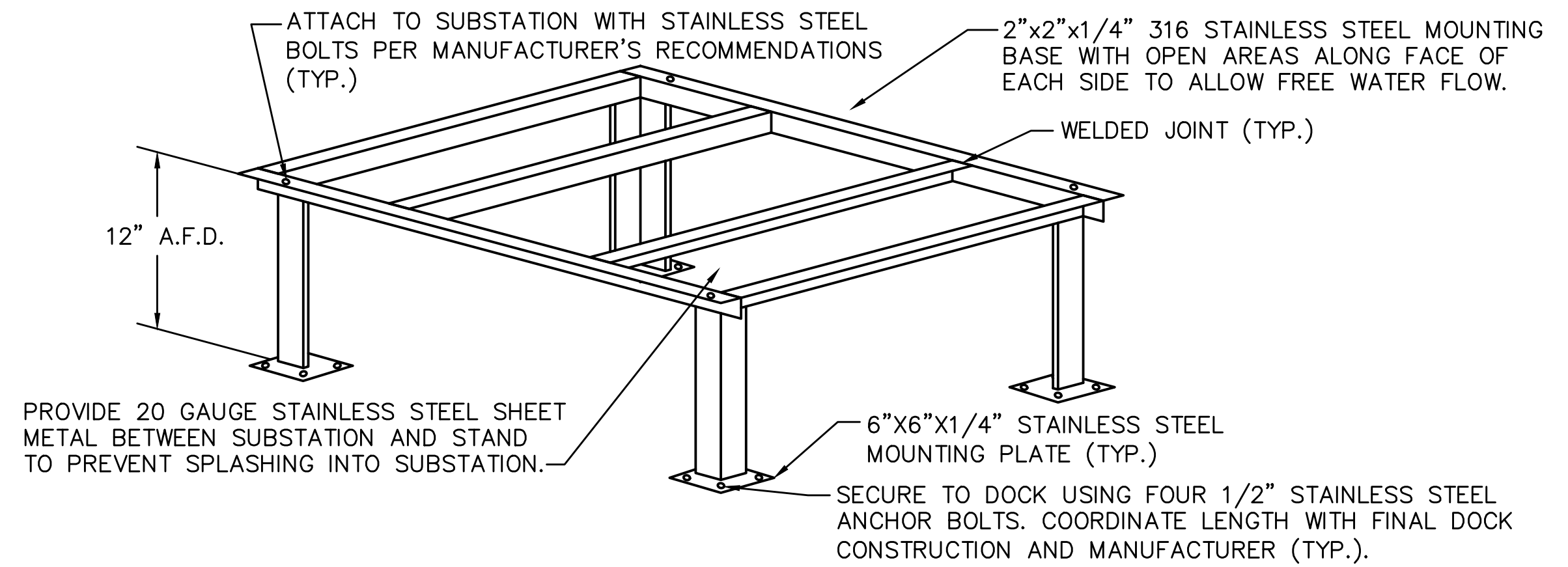
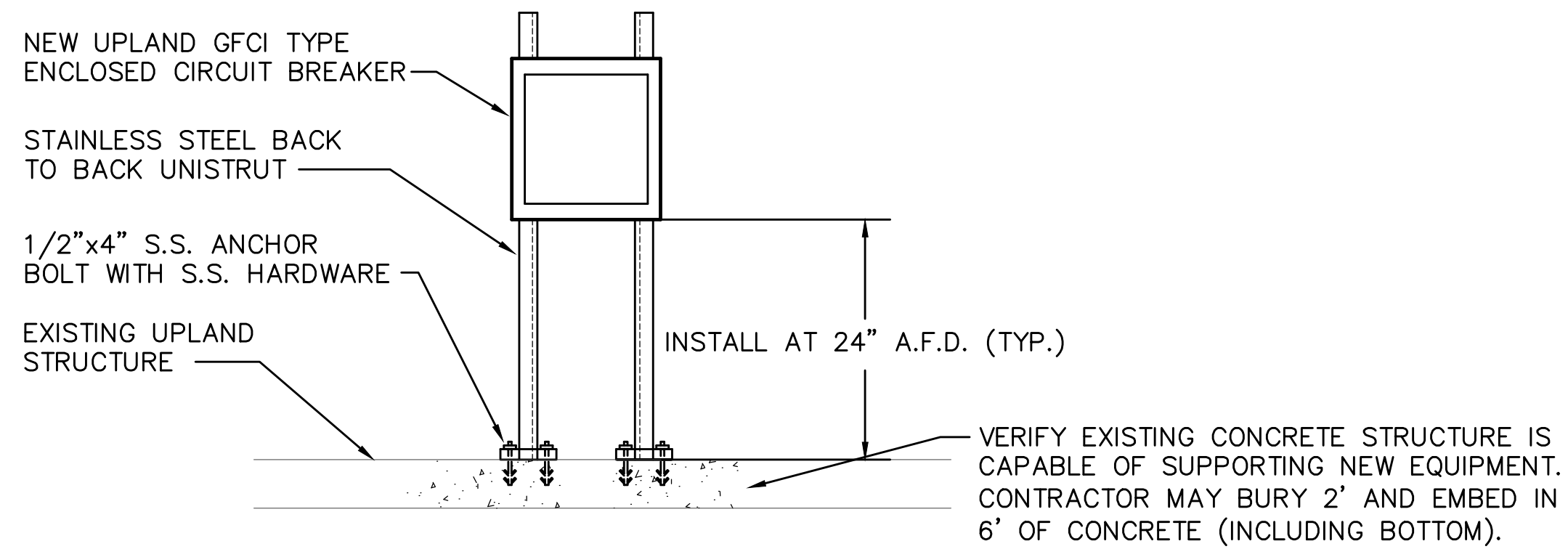
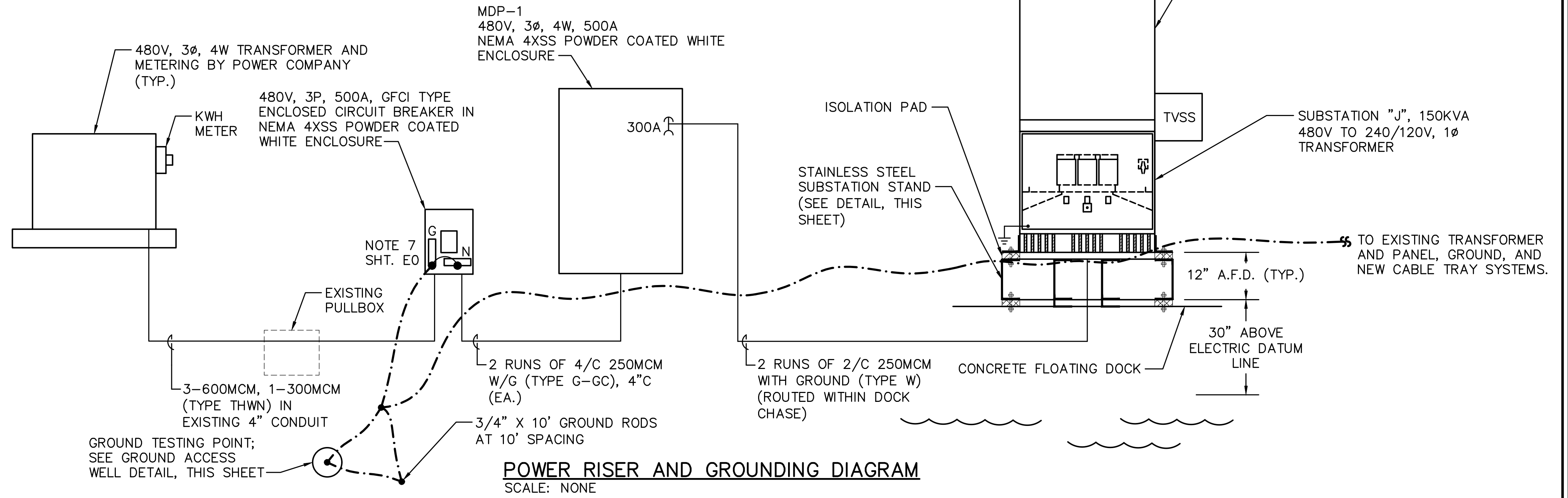
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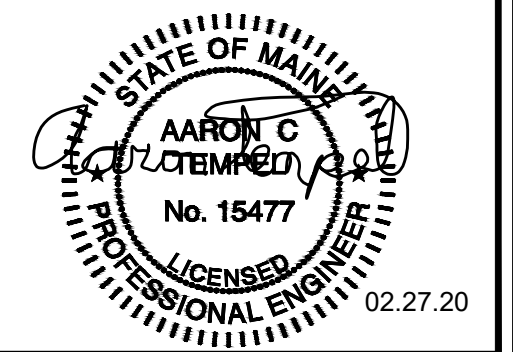
NEW SUBSTATION <u>J</u> 600 AMP MAINS									
240/120 V, 1 PH, 3 W, 60 HZ 600 AMP MAIN BKR *									
ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING RATING OF 22,000 AMPS. PANEL SHALL BE PROVIDED WITH SEPARATE GROUND BUS.									
CKT No.	LOAD DESCRIPTION	BREAKERS POLE	AMP	KVA	BREAKERS AMP	POLE	LOAD DESCRIPTION	CKT No.	
1	POWER PEDESTAL	2	100	24	24	100	2	POWER PEDESTAL	2
3	POWER PEDESTAL	2	150	36	15.6	80	2	POWER PEDESTAL	4
5	POWER PEDESTAL	2	100	24	15.6	80	2	POWER PEDESTAL	6
7	POWER PEDESTAL	2	100	24	15.6	80	2	POWER PEDESTAL	8
9	POWER PEDESTAL	2	150	36	15.6	80	2	POWER PEDESTAL	10
11	POWER PEDESTAL	2	100	24	24	100	2	POWER PEDESTAL	12
13	-	-	-	-	-	-	-	-	14
15	-	-	-	-	-	-	-	-	16
17	-	-	-	-	-	-	-	-	18
19	SPARE	1	20	0		30	2	TVSS	20
21	SPARE	1	20	0					

TOTAL CONNECTED LOAD 278 KVA

* PROVIDE GFCI TYPE BREAKER DEMAND LOAD = 148 KVA



- NOTES:
1. SUPPORT CONDUITS IN ACCORDANCE WITH NEC-2017 SECTION 352.
 2. PROVIDE EXPANSION FITTINGS AS NECESSARY EVERY 100'.



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Aaron Temple
Signature
Aaron C. Temple, P.E.
ME Professional Eng. PE15477
02.27.2020
Date

REV	DATE	BY	REASON
1	2/26/20	SLC	ACT

DESIGNED	DRAWN	CHECKED	ACT
ACT	1/12/19		

SPRING POINT MARINA - EXPANSION
SOUTH PORTLAND, MAINE
**PANEL SCHEDULES AND
POWER RISER AND GROUNDING DIAGRAM**
SPRING POINT MARINE
PORTLAND, ME
SCALE: AS NOTED

Applied Technology & Management, Inc.
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Mt Pleasant, SC 29464
(843) 414-1040

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DRAWING NUMBER
E4

X:\2019\1001010701\0701.dwg Liner1: 2/27/20
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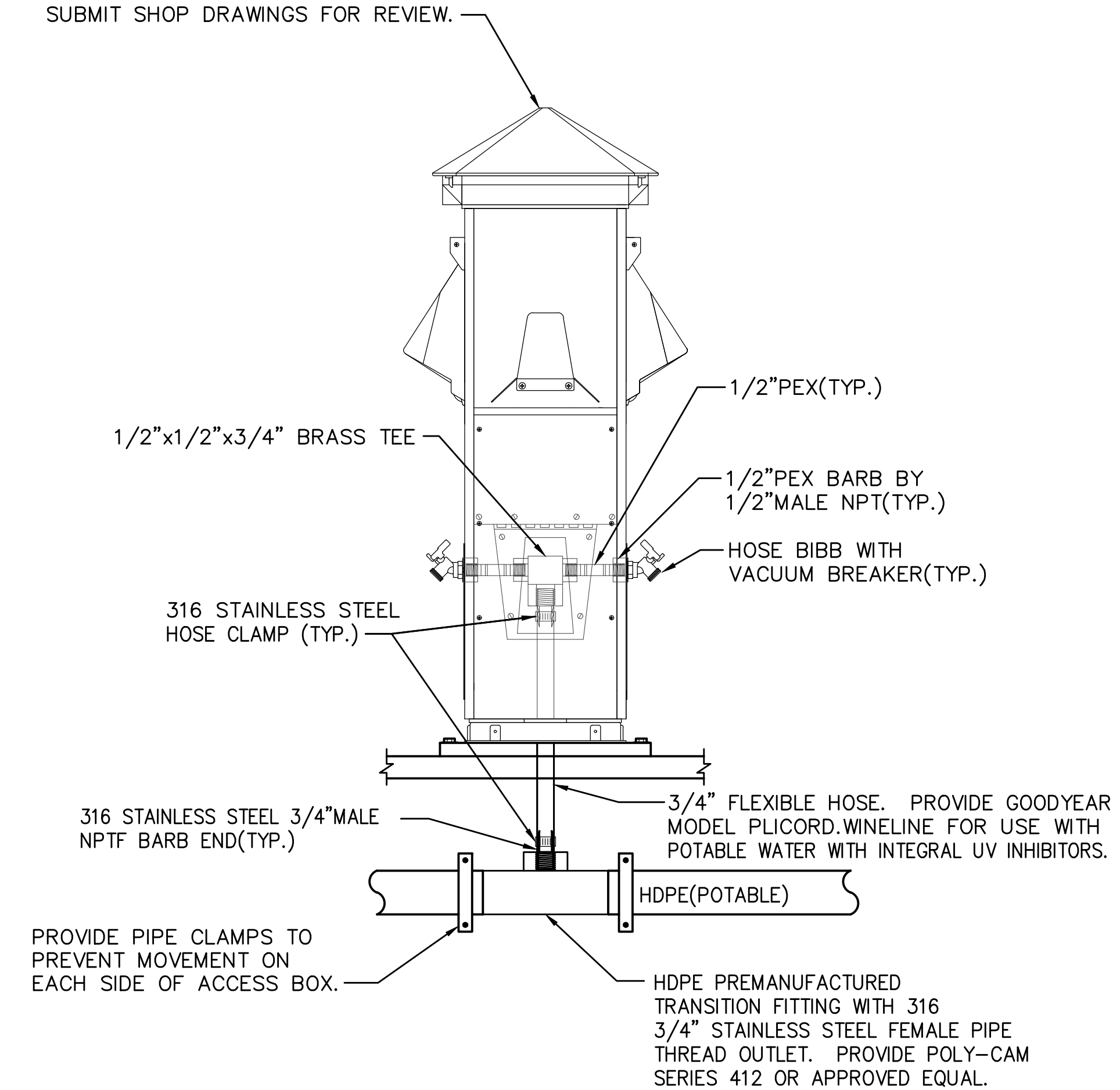
GENERAL PLUMBING NOTES:

- PROVIDE ALL MATERIALS AND LABOR NECESSARY FOR COMPLETE AND PROPERLY FUNCTIONING PLUMBING SYSTEMS.
- WORK SHALL CONFORM TO OR MEET THE REQUIREMENTS OF THE MOST CURRENT EDITION OF:
 - INTERNATIONAL PLUMBING CODE – 2015
 - ALL FEDERAL, PROVINCIAL AND LOCAL CODES AND ORDINANCES WHICH APPLY TO THIS WORK.
- DRAWINGS ARE DIAGRAMMATIC IN NATURE AND IS NOT INTENDED TO BE SCALED FOR DIMENSIONS.
- ALL MATERIALS SHALL MEET THE REQUIREMENTS OF UL WHERE UL STANDARDS ARE ESTABLISHED FOR THOSE ITEMS. ALL ITEMS SHALL BE CLASSIFIED BY UL AS SUITABLE FOR THE PURPOSE USED.
- ALL ITEMS SHALL BE NEW AND ALL MATERIALS/EQUIPMENT/DEVICES SHALL BE CURRENT PRODUCTS BY MANUFACTURERS REGULARLY ENGAGED IN THE PRODUCTION OF SUCH PRODUCTS.
- COORDINATE LOCATION AND INSTALLATION OF PLUMBING WORK WITH DOCK SYSTEM AND POWER PEDESTALS PROVIDED, AND OTHER TRADES TO AVOID CONFLICTS, INTERFERENCES. MODIFICATIONS AND ADJUSTMENTS MAY BE REQUIRED. PROVIDE WITH CHAFE PROTECTION AS REQUIRED. SUBMIT SHOP DRAWINGS FOR APPROVAL.
- INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS.
- COORDINATE AND OBTAIN PERMITS AND INSPECTIONS FROM AUTHORITY HAVING JURISDICTION.
- PROVIDE OWNER WITH CERTIFICATE OF FINAL INSPECTION AND ACCEPTANCE FROM AUTHORITY HAVING JURISDICTION.
- VALVES SHALL BE LINE SIZE UNLESS NOTED OTHERWISE.
- WATER PIPING LOCATED WITHIN THE DOCK SHALL BE SDR 11 HIGH DENSITY POLYETHYLENE PIPING (HDPE) WITH UV PROTECTION. ALL JOINTS SHALL BE SOCKET FUSION FITTINGS. COORDINATE INSTALLATION WITH MANUFACTURER'S RECOMMENDATIONS TO ALLOW FOR THERMAL EXPANSION AND CONTRACTION.
- 19mm (3/4") FLEXIBLE WATER HOSE TO PEDESTALS SHALL BE GOODYEAR MODEL PLYCORD. WINELINE WITH INTEGRAL UV INHIBITORS FOR USE WITH POTABLE WATER. PEX PIPING WITHIN THE PEDESTALS SHALL BE AS MANUFACTURED BY DURA-PEX WITH UV INHIBITOR OR APPROVED EQUAL.
- POTABLE WATER PIPING SHALL BE DISINFECTED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE 2015.
- SUBMIT SHOP DRAWINGS ON ALL MATERIALS FOR APPROVAL.
- THE PLUMBING CONTRACTOR SHALL HAVE 5 YEARS OF MARINA EXPERIENCE UTILIZING MATERIALS SPECIFIED PARTICULARLY USE OF HDPE PIPING.
- EACH JOINT SHALL BE LEFT EXPOSED FOR INSPECTION DURING HYDROSTATIC TESTING. THE PRESSURE SHALL BE AT LEAST 1.5 TIMES THE MAXIMUM WORKING PRESSURE AND THE TIME DURATION MUST BE AT LEAST 2 HOURS.
- ALL MATERIAL OR PRODUCTS, WHICH COME INTO CONTACT WITH DRINKING WATER, SHALL BE THIRD PARTY CERTIFIED AS MEETING THE SPECIFICATIONS OF THE AMERICAN NATIONAL INSTITUTE/NATIONAL SANITATION FOUNDATION STANDARD 61, DRINKING WATER SYSTEM COMPONENTS – HEALTH EFFECTS. THE CERTIFYING PARTY SHALL BE ACCREDITED BY THE AMERICAN NATIONAL STANDARDS INSTITUTE.
- NATURAL RUBBER OR OTHER MATERIAL WHICH WILL SUPPORT MICROBIAL GROWTH MAY NOT BE USED FOR ANY GASKET, O-RING, AND OTHER PRODUCTS USED FOR JOINTING PIPING, SETTING METERS OR VALVES, OF OTHER APPURTENANCES WHICH WILL EXPOSE THE MATERIAL TO THE WATER.
- INSTALLATION OF WATER MAINS AND APPURTENANCES SHALL BE CONDUCTED IN ACCORDANCE WITH SECTION C OF THE AWWA STANDARD'S AND/OR MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES.
- ALL STAINLESS STEED FITTINGS, CLAMPS, HANGERS, AND MISCELLANEOUS APPURTENANCES SHALL BE ASTM A-316 OR BETTER.
- DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO BE SCALED FOR DIMENSIONS. COORDINATE EXACT INSTALLATION WITH SITE PLAN, ACTUAL DOCK SYSTEM AND PEDESTALS PROVIDED. PROVIDE PIPING TRANSITIONS AS REQUIRED. THE CONTRACTOR SHALL COORDINATE FINAL LOCATION AND PIPE SIZING AS REQUIRED. IT IS NOT THE INTENT TO DEPICT EVERY DETAIL OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY ITEMS FOR A COMPLETE AND FUNCTIONING SYSTEM.
- MODIFICATION OF THE EXISTING DOCK SYSTEM MAY BE REQUIRED FOR THE INSTALLATION OF NEW UTILITIES. COORDINATE WITH EXISTING AND NEW DOCK SYSTEMS. INCLUDE ALL NECESSARY TRANSITIONS, SUPPLIES, APPURTENANCES AND LABOR IN BID FOR ANY REQUIRED MODIFICATIONS.

LEGEND

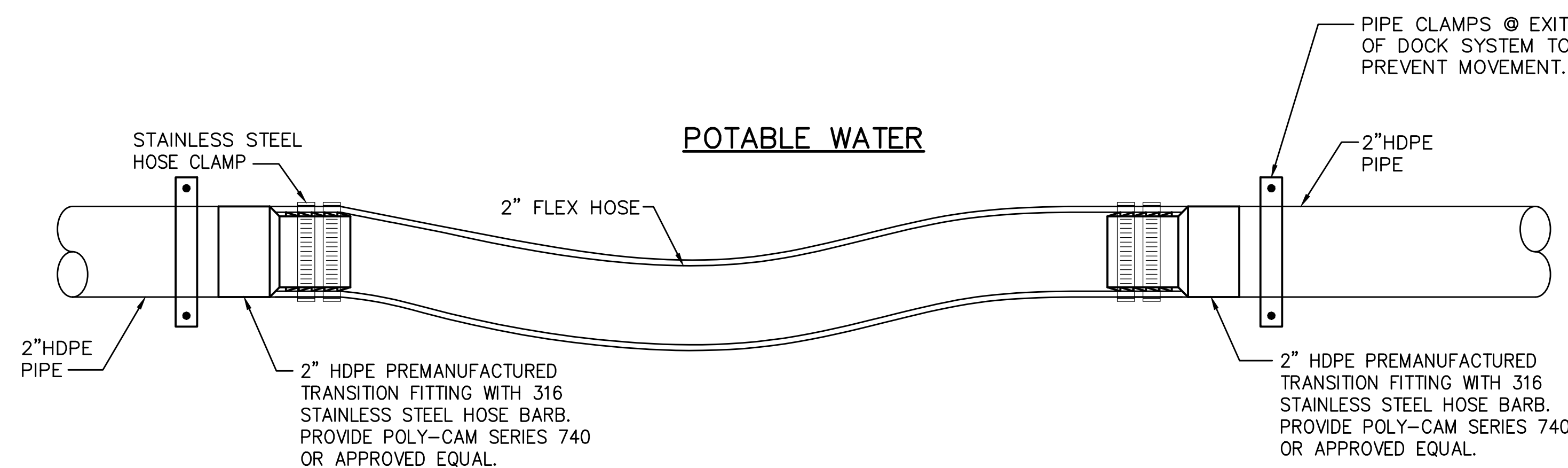
- COLD WATER (CW)
- ⊗ GATE VALVE
- DN. DOWN
- TYP. TYPICAL
- O.C. ON CENTER
- HDPE HIGH DENSITY POLYETHYLENE PIPING
- TBD TO BE DETERMINED
- ☐ PULLBOX (FOR FUTURE USE)

POWER PEDESTAL PROVIDED BY OTHERS. COORDINATE PLUMBING CONNECTIONS WITH ACTUAL PEDESTAL PROVIDED. SUBMIT SHOP DRAWINGS FOR REVIEW.



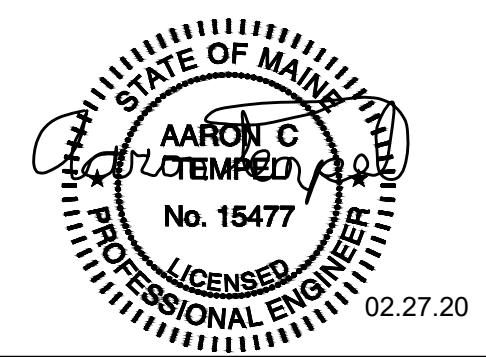
PEDESTAL POTABLE WATER PIPING –GENERIC DETAIL

SCALE: NONE
 NOTES: 1. VERIFY THREADS WITH ACTUAL PEDESTAL PROVIDED.
 2. PROVIDE ALL NECESSARY FITTINGS NECESSARY TO CONNECT PEDESTAL. SEE NOTE 22.



FLEXIBLE PIPE ACROSS HINGED JOINT DETAIL

SCALE: NONE



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Aaron Temple
 Signature
 Aaron C. Temple, P.E.
 M.E. Professional Eng. PE15477
 02.27.2020
 Date

REVISIONS	NO.	DATE	BY	REMARKS
	1	2/26/20	SLC	ADDENDUM 5

DESIGNED	DATE	AS NOTED
ACT	1/22/19	
DRAWN		
RD		
CHECKED		
ACT		

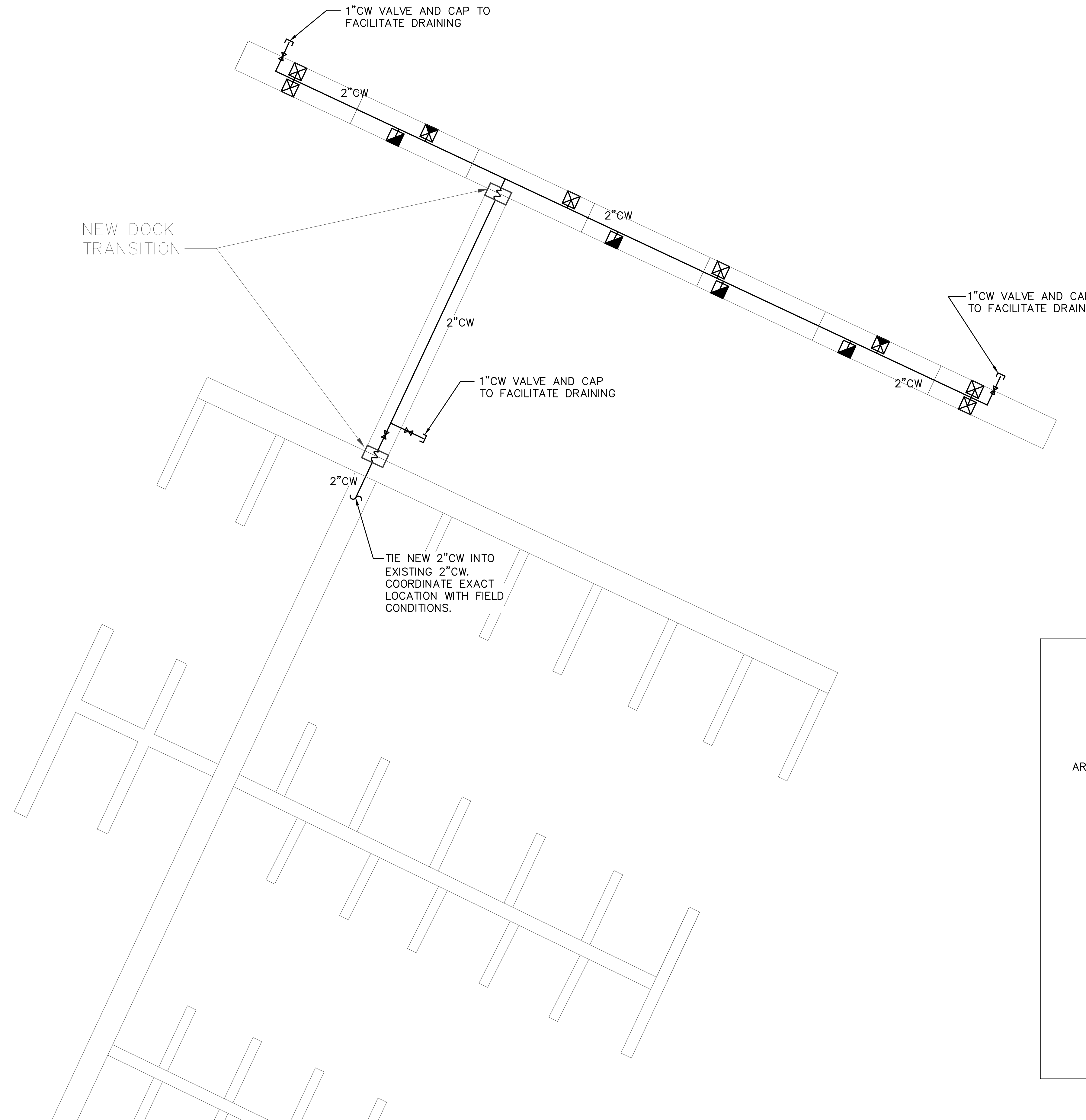
NOTES, LEGEND, DETAILS
 SPRING POINT MARINA - EXPANSION
 SOUTH PORTLAND, MAINE
 SPRING POINT MARINE
 PORTLAND, ME

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 941 Houston Northcutt Blvd, Suite 201
 Mt Pleasant, SC 29464
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ATM

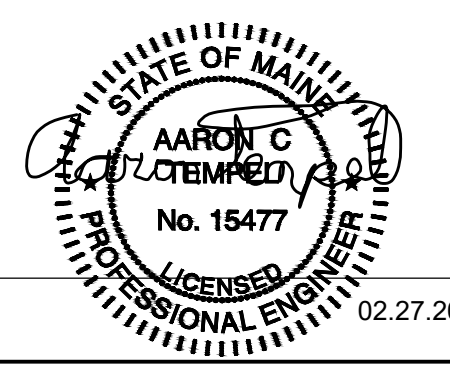
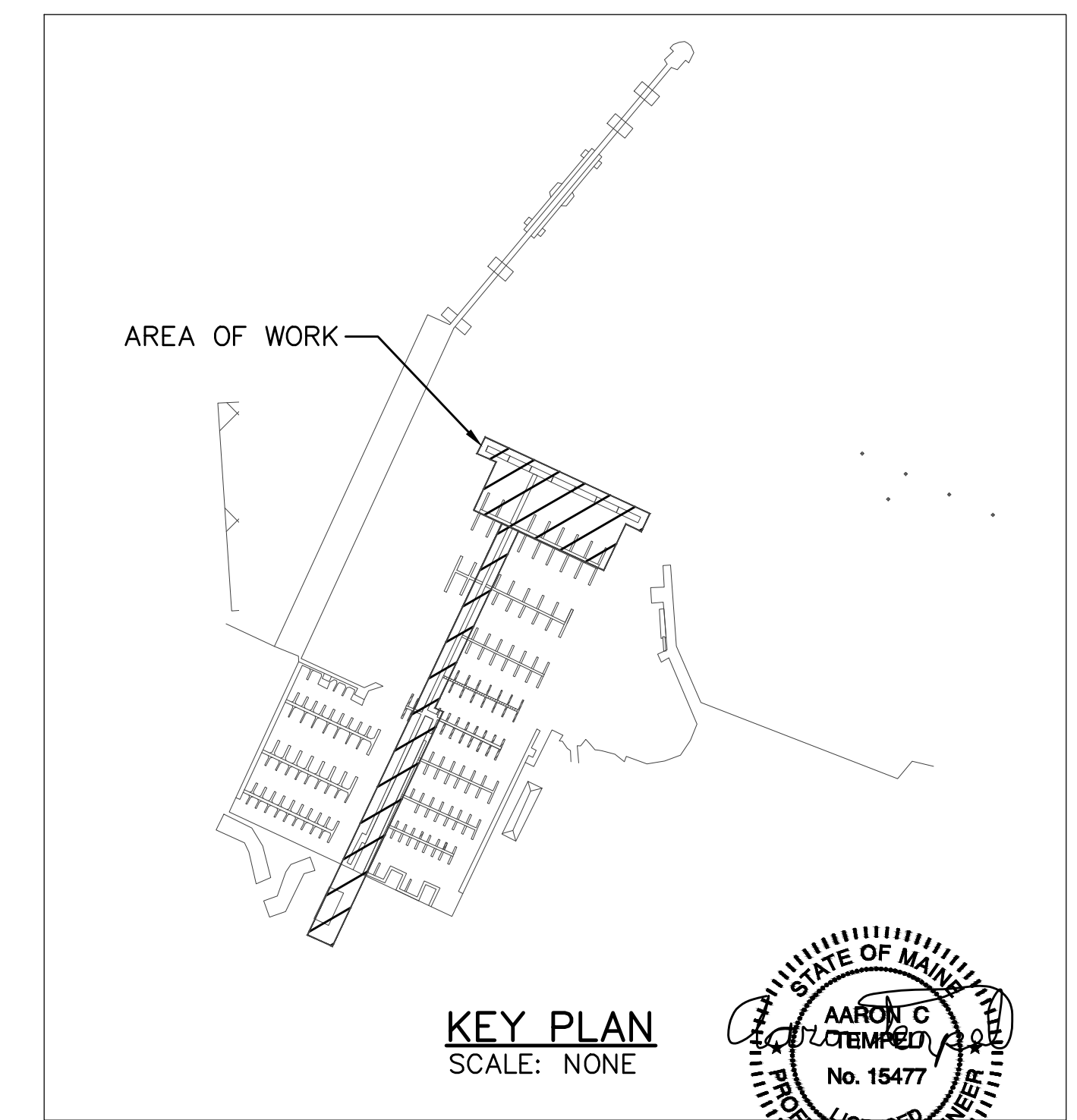
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KEYED NOTES (THIS SHEET ONLY)
① CONNECT NEW 3/4" CW TO EXISTING 2" CW SERVING EXISTING PEDESTALS.



POTABLE WATER PLAN
SCALE: 1"=30'

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Aaron Tempel
Signature
Aaron C. Tempel, P.E.
ME Professional Eng. PE15477
02.27.2020
Date

REV. No.	DATE	BY	CHKD.	BY
1	2/2/20	SLC	ACT	

REMARKS
APPENDUM 5

DESIGNED	DRAWN	CHECKED	SCALE
ACT	RWD	ACT	AS NOTED

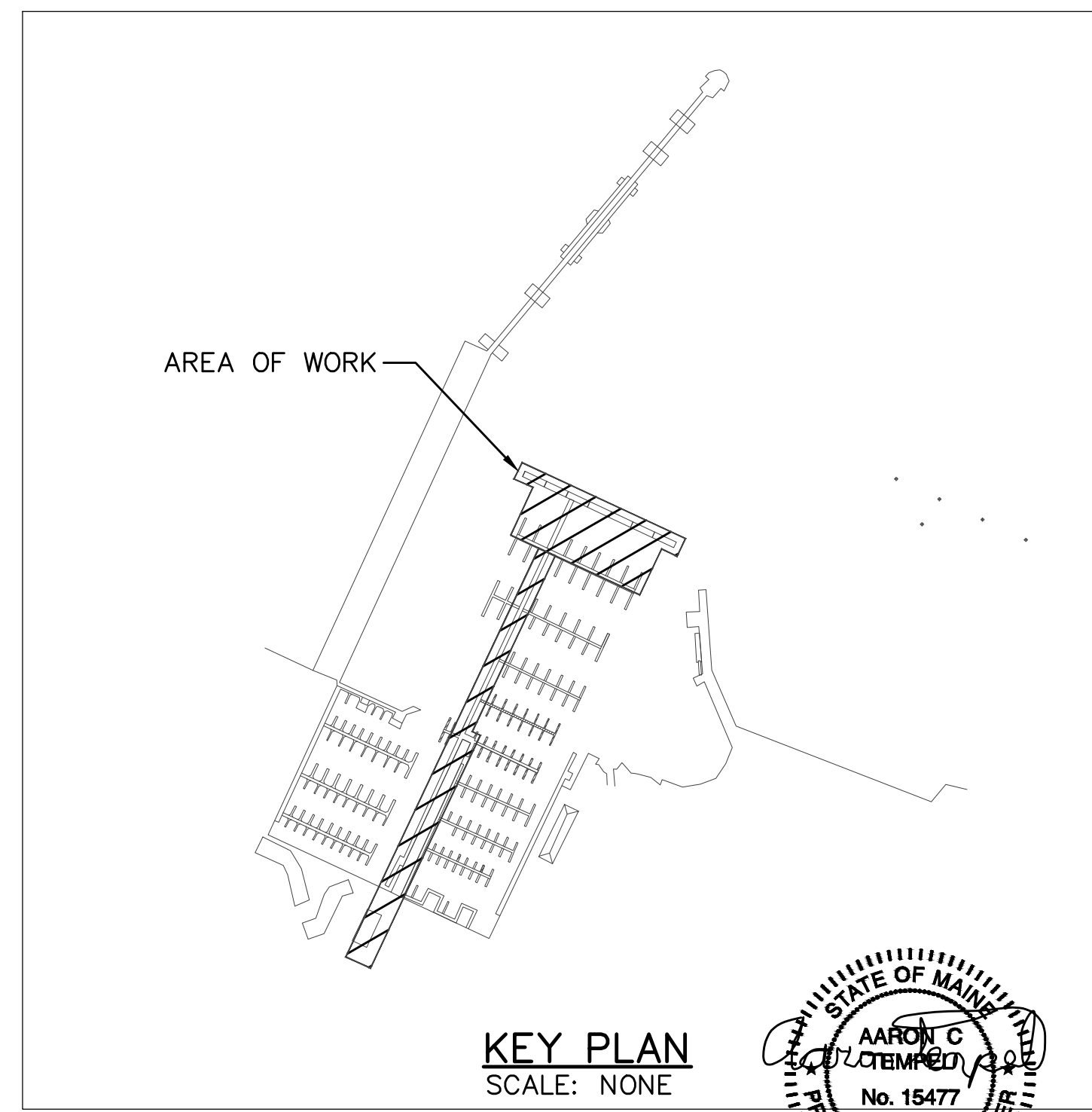
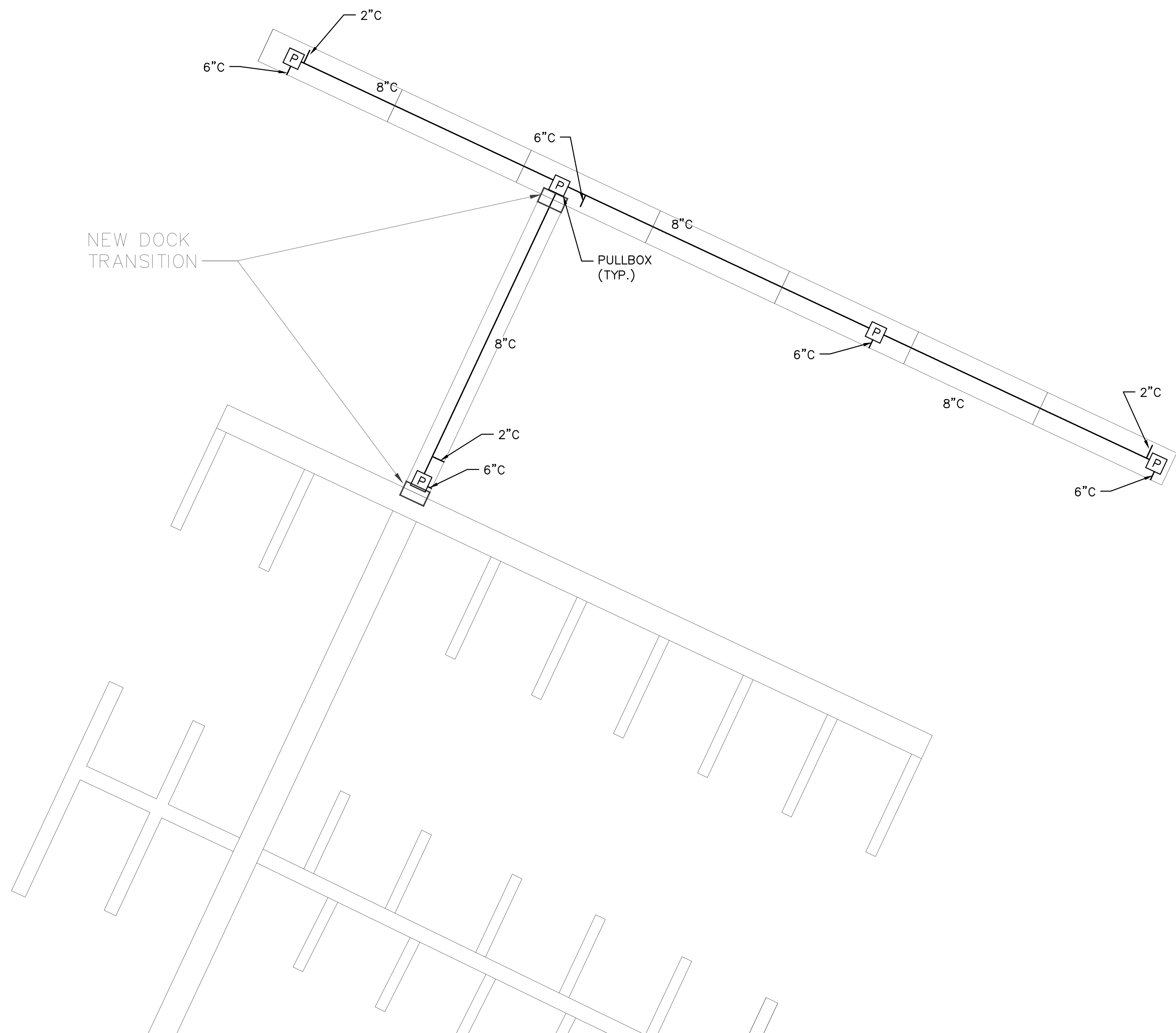
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SCALE: AS NOTED

SPRING POINT MARINA - EXPANSION
SOUTH PORTLAND, MAINE
POTABLE WATER PLAN
SPRING POINT MARINE
PORTLAND, ME

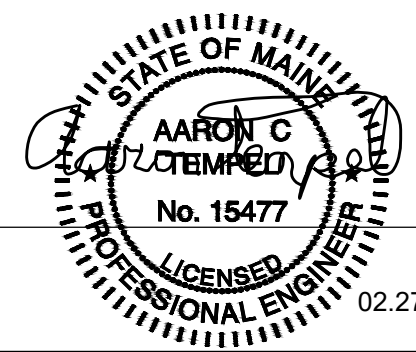
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DRAWING NUMBER
P2

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KEY PLAN
SCALE: NONE



ADDITIONAL DOCK CONDUIT DETAILS
SCALE: 1"=30'

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Aaron Tempel
Signature
Aaron C. Tempel, P.E.
ME Professional Eng. PE15477
02.27.2020
Date

REV. No.	DATE	BY	CHKD.	REMARKS
1	2/26/20	SJC	ACT	APPENDUM 5

DESIGNED	DRAWN	CHECKED	SCALE	AS NOTED
ACT	RJD	ACT	1/12/19	

SPRING POINT MARINA - EXPANSION
SOUTH PORTLAND, MAINE

ADDITIONAL DOCK CONDUIT DETAILS

SPRING POINT MARINE
PORTLAND, ME

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