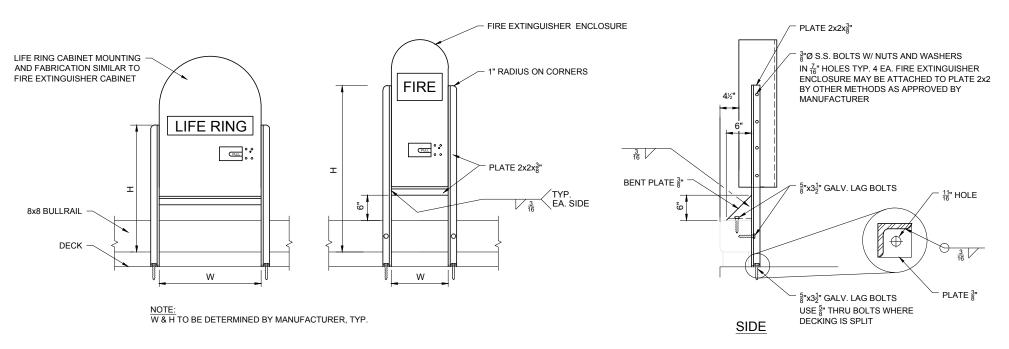


MOUNTING TEE

NOTE:
FABRICATION DETAILS SHOWN FOR INFORMATION ONLY. SAFETY LADDERS SHALL BE PROVIDED BY FLOAT MANUFACTURER. INSTALLATION CONTRACTOR SHALL INSTALL LADDERS ON FLOATS AS INDICATED.

TYPICAL SAFETY LADDER INSTALLATION

SCALE: N.T.S.



FRONT

TYPICAL FIRE EXTINGUISHER AND LIFE RING CABINETS

S7.0 | SCALE; N.T.S.

- NOTES:

 1. FIRE EXINGUISHER CABINET WILL BE LOCATED AS GENERALLY NOTED ON PLAN DRAWINGS. CLEAR DISTANCE SHALL BE 2' OR AS APPROVED BY THE ENGINEER. AVOID CONFLICTS WITH UTILITIES AND OTHER FLOAT APPURTENANCES.
- 2. LIFE RING CABINETS WILL MEET U.S. COAST GUARD STANDARDS FOR DOCK APPLICATION AND SHALL CONTAIN A THROWABLE PERSONAL FLOTATION DEVICE MEETING USCG REQUIREMENTS. LIFE RING CABINETS WILL BE LOCATED AS GENERALLY NOTED ON DRAWINGS. AVOID CONFLICTS WITH UTILITIES AND OTHER FLOAT APPURTENANCES.





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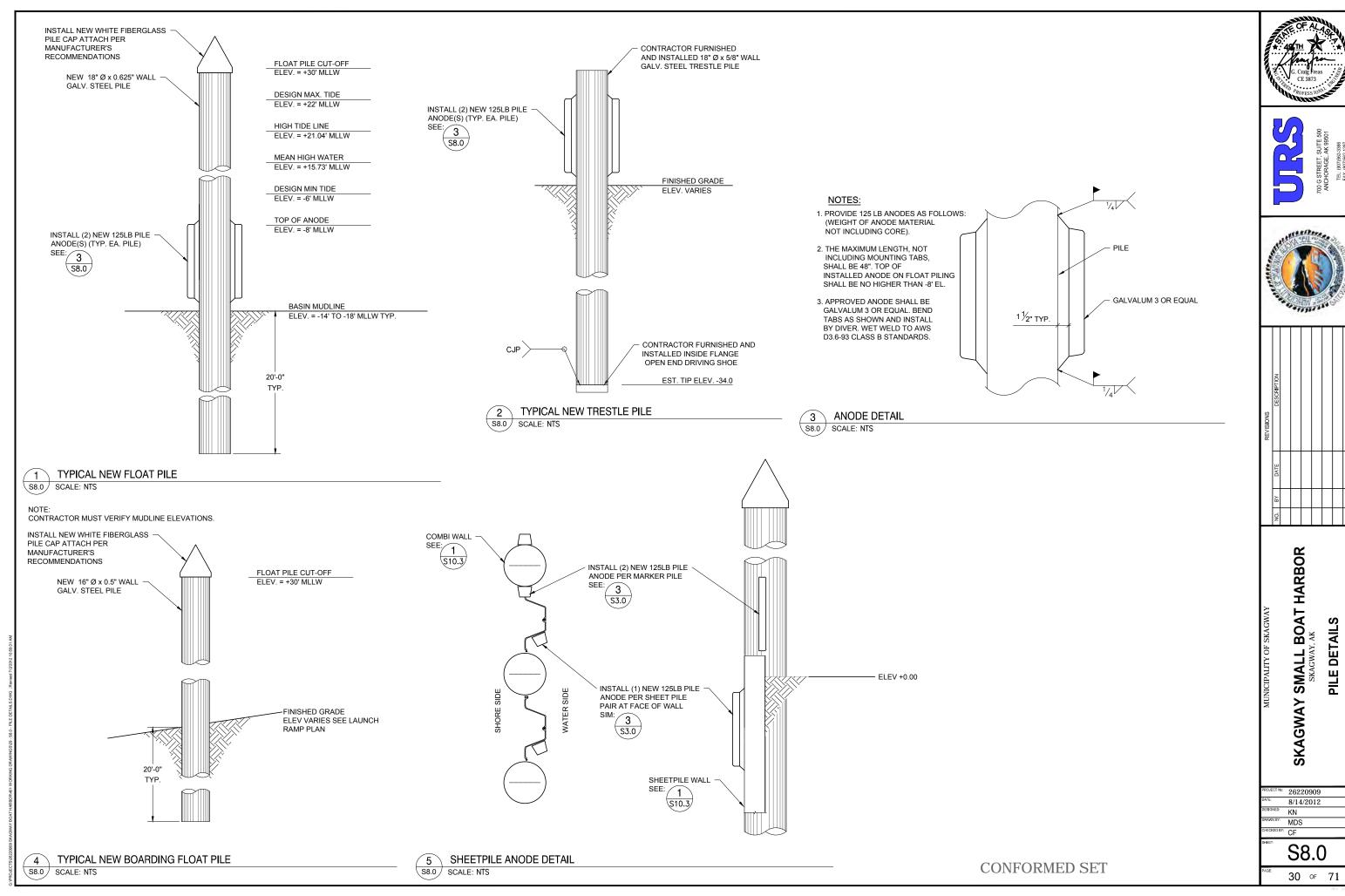
IY LADDER, FIRE EXTINGUISHER AND LIFE RING CABINETS SKAGWAY SMALL BOAT HARBOR

26220909 8/14/2012 MDS

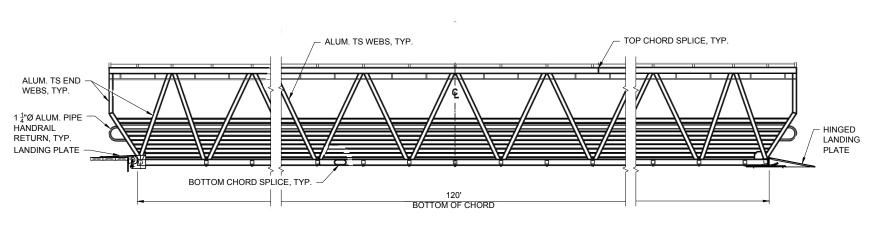
SAFETY

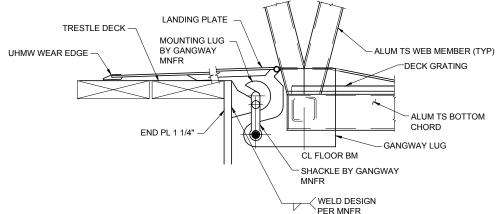
S7.0

MDS



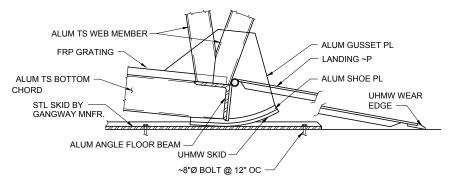




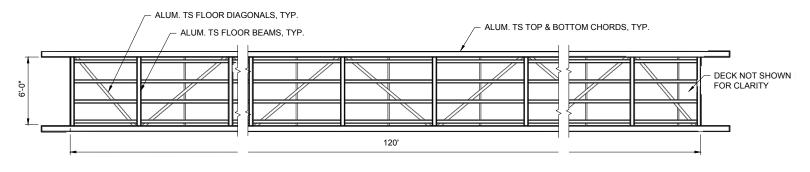


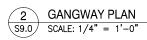


GANGWAY / TRESTLE CONNECTION S9.0 SCALE: 1-1/2" = 1'-0"



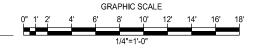
GRAPHIC SCALE GANGWAY / FLOAT CONNECTION SCALE: 1-1/2" = 1'-0

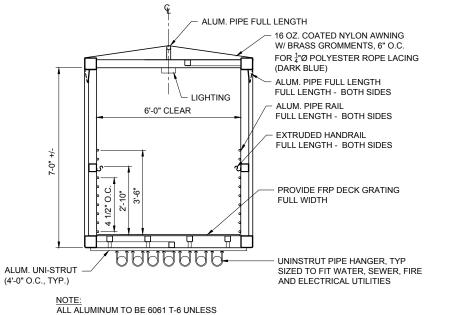




GANGWAY ELEVATION

S9.0 SCALE: 1/4" = 1'-0"





NOTES:

ALL GANGWAY DETAILS ARE NOT SHOWN. DESIGN OF GANGWAYS SHALL BE THE RESPONSIBILITY OF THE MANUFACTURER. ALTERNATIVES TO THE GENERAL FEATURES AND MATERIALS NOTED MAY BE PROPOSED FOR APPROVAL BY THE ENGINEER. SUPPORTING DOCUMENTATION AND STRUCTURAL CALCULATIONS SHALL BE PERFORMED BY A REGISTERED ENGINEER IN THE STATE OF ALASKA, DETAILED SHOP DRAWINGS AND CALCULATIONS SHALL BE PROVIDED FOR REVIEW PRIOR TO FABRICATION.

ALL DESIGN AND FABRICATION SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING CODES:

- 1. CONTRACT DOCUMENTS AND TECHNICAL SPECIFICATIONS
- 2. UNIFORM BUILDING CODE, CURRENT EDITION
- 3. ALUMINUM DESIGN MANUAL, CURRENT EDITION
- 4. AASHTO GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, CURRENT EDITION.
- 5. AISC STEEL CONSTRUCTION MANUAL (LATEST EDITION)
 6. AWS D1.1 & D1.2, STRUCTURAL WELDING CODE (LATEST EDITION)
 7. APPLICABLE ASTM STANDARDS

DEAD LOADS - ALL

LIVE LOADS - UNIFORM, 85 PSF, CONCENTRATED, 1,000 LBS WIND LOAD - 100 MPH, EXPOSURE D

ROOF SNOW LOAD - 60 PSF

ELECTRICAL UTILITY SUPPORTS - 150 LBS/LF WATER/SEWER UTILITY SUPPORTS - 50 LBS/LF

MATERIALS: ALUMINUM - ASTM 6061-T6

STRUCTURAL STEEL - PLATES AND SHAPES SHALL BE ASTM A36. PIPE SHALL BE ASTM A53, GRADE B.

HARDWARE - ALL BOLTS AND HARDWARE SHALL BE ASTM A325 AND HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A123.

DECK GRATING - ADA COMPLIANT FRP DECK GRATING SHALL BE INSTALLED ACROSS THE FULL WIDTH OF THE GANGWAY AS NOTED ON THE DRAWINGS. DECK MATERIALS SHALL BE "FIBERGRATE" BRAND SAFE-T-SPAN T2510 OR APPROVED EQUAL WITH A SLIP RESISTANT GRIT SURFACE.

TRANSITION PLATES - TRANSITION PLATES SHALL BE FULL SIZE ALUMINUM SHEET STOCK WITH A "SLIP-NOT" FINISH OR APPROVED EQUAL.

UHMW POLYETHYLENE - ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE SHALL BE MADE FROM MATERIALS CONFORMING TO ASTM 4020. MATERIAL SHALL BE CHEMICALLY CROSS LINKED, ULTRA-VIOLET LIGHT STABILIZED, AND SUITABLE FOR LONG TERM EXPOSURE. UHMW SHALL BE BLACK IN COLOR.

FABRIC COVERINGS - GANGWAY COVERINGS SHALL BE CONSTRUCTED OF UV RESISTANT, COATED NYLON FABRIC WITH A MINIMUM WEIGHT OF 16 OZ PER SQUARE FOOT, "HERCULITE" BRAND OR APPROVED EQUAL.

BOAT HARBOR

& ELEVATION

PLAN

GANGWAY

SKAGWAY SMALL

26220909 8/14/2012 CF SJ

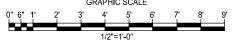
S9.0

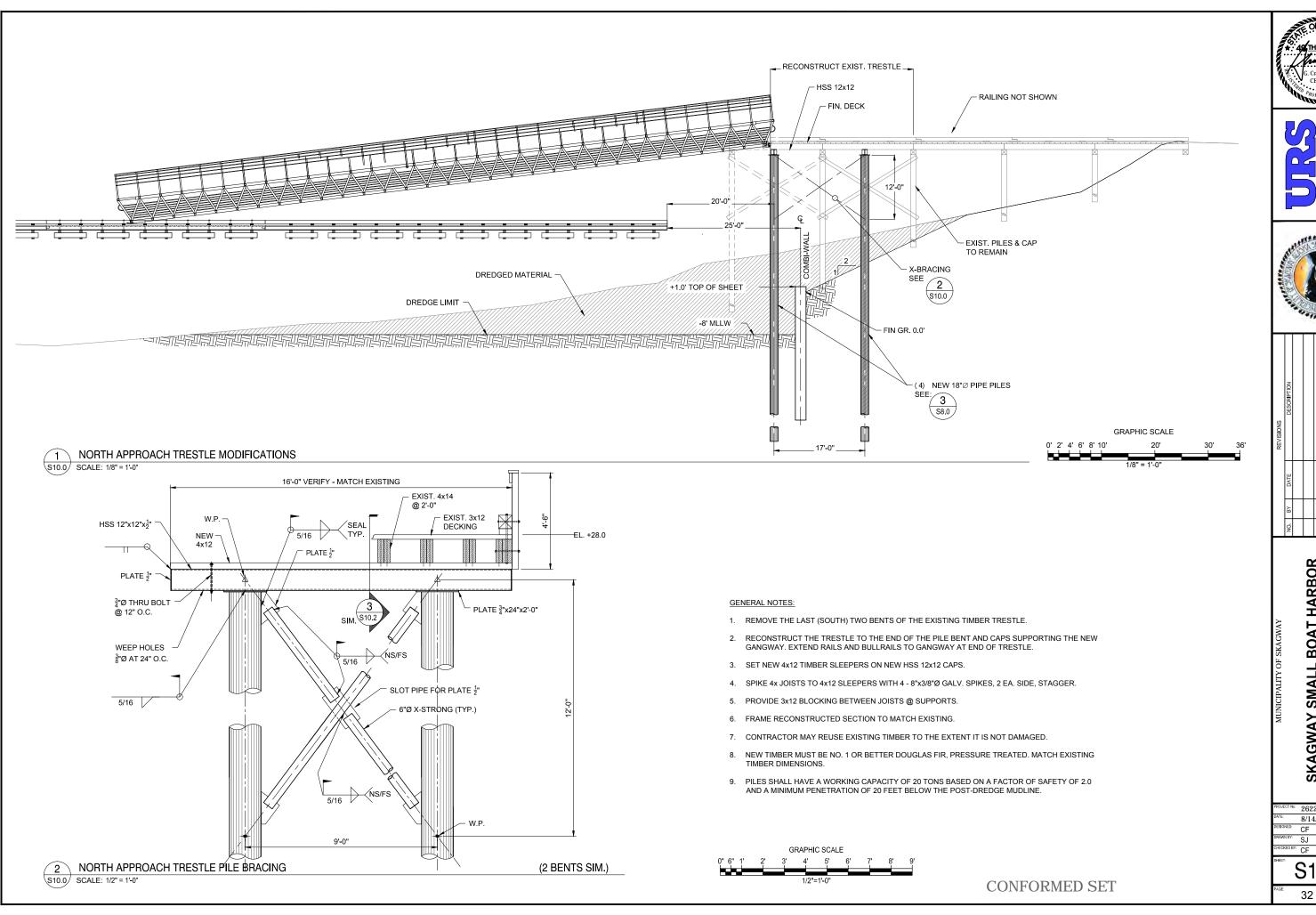
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CONFORMED SET

END VIEW S9.0 SCALE: 1/2" = 1'-0'

OTHERWISE APPROVED.











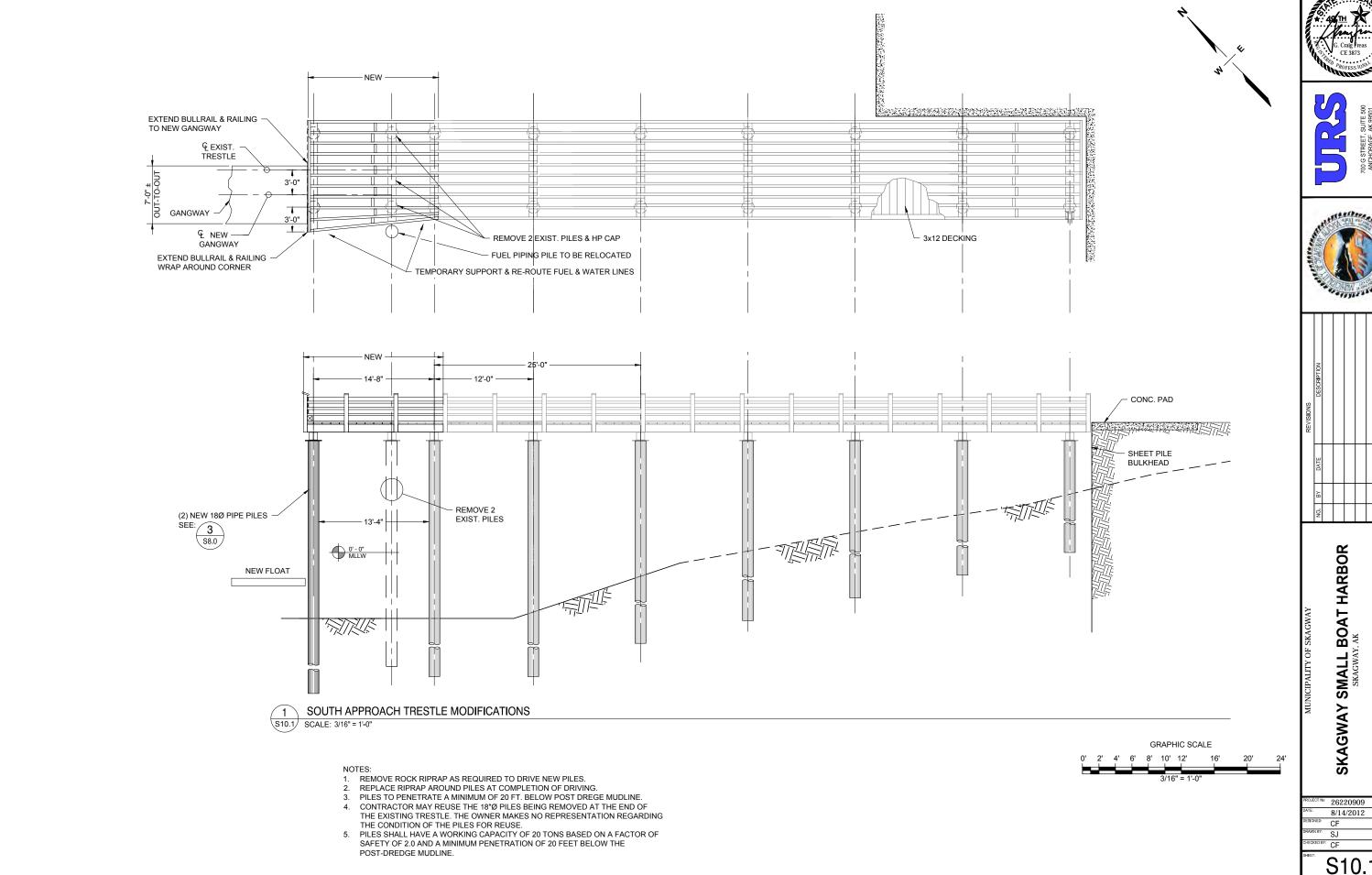
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SKAGWAY SMALL BOAT HARBOR SKAGWAY, AK

NORTH TRESTLE MODIFICATIONS

26220909 8/14/2012

S10.0





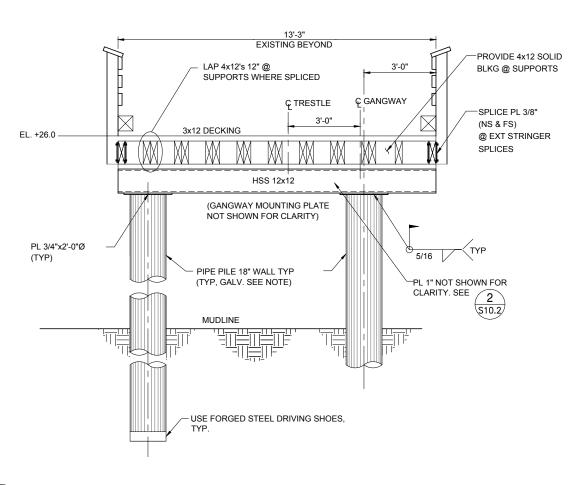


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SOUTH TRESTLE MODIFICATIONS

26220909 8/14/2012

CONFORMED SET



HSS 12x12 ─ W.P. 5/16 ─ 1" PLATE 3'-3" ± © PILE င့ LUG € TRESTLE

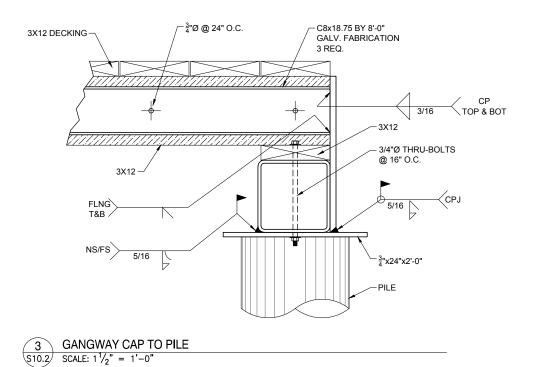
C8 -

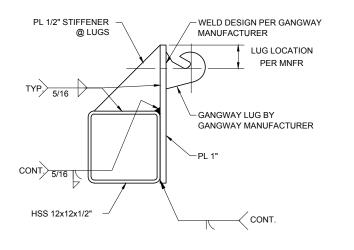
TOP OF PLATE FLUSH WITH

TOP OF 3x12s

GANGWAY NEW SOUTH BENT ELEVATION S10.2 SCALE: 1/2" = 1'-0"

2 GANGWAY CAP TO PILE CONNECTION SCALE: 1" = 1'-0"





GRAPHIC SCALE GRAPHIC SCALE

1 1/2"=1'-0'

GRAPHIC SCALE

4 GANGWAY LUG S10.2 SCALE: 1 1/2" = 1'-0"

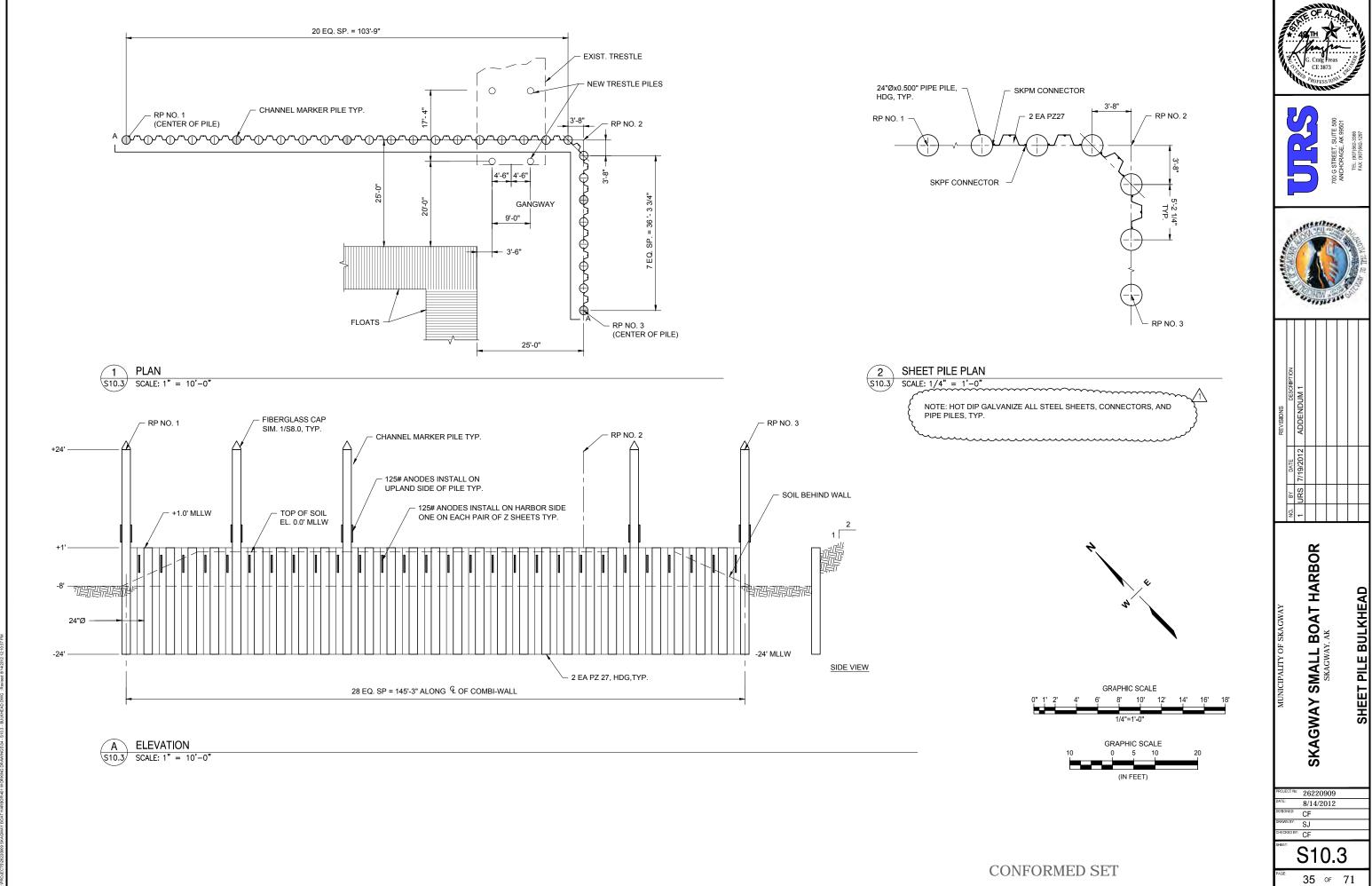




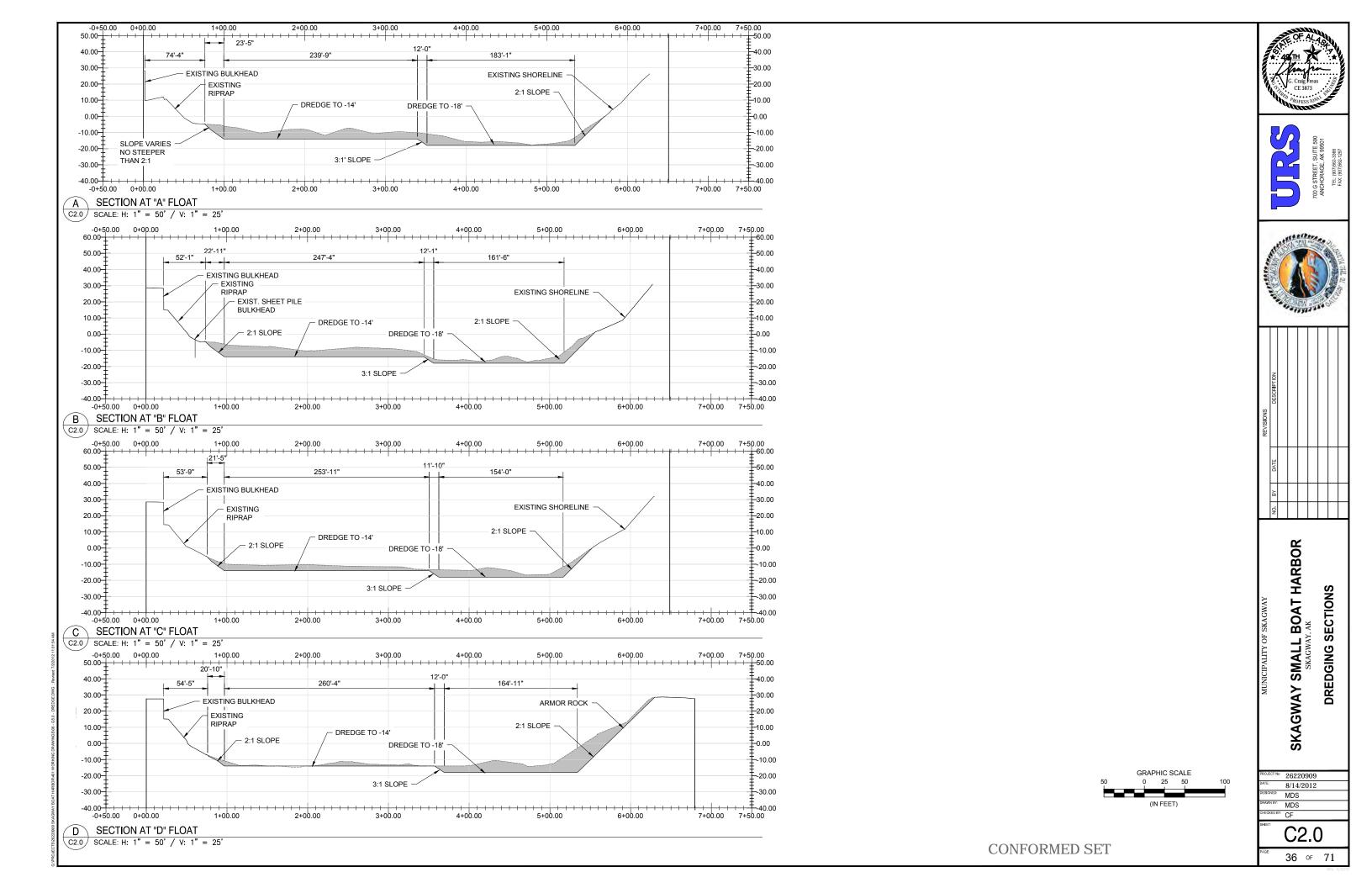
SKAGWAY SMALL BOAT HARBOR TRESTLE DETAILS

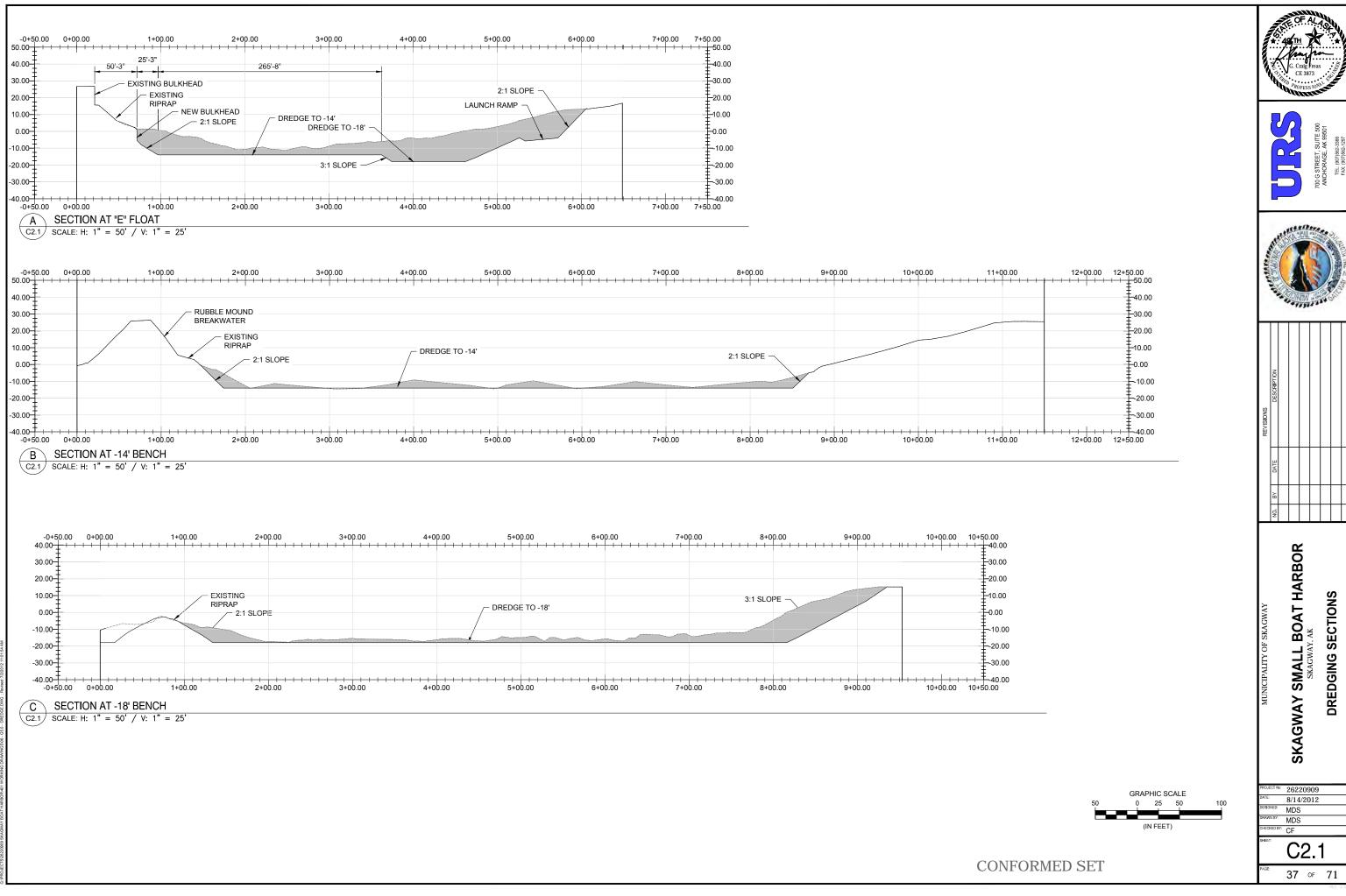
26220909 8/14/2012 CF SJ CF S10.2

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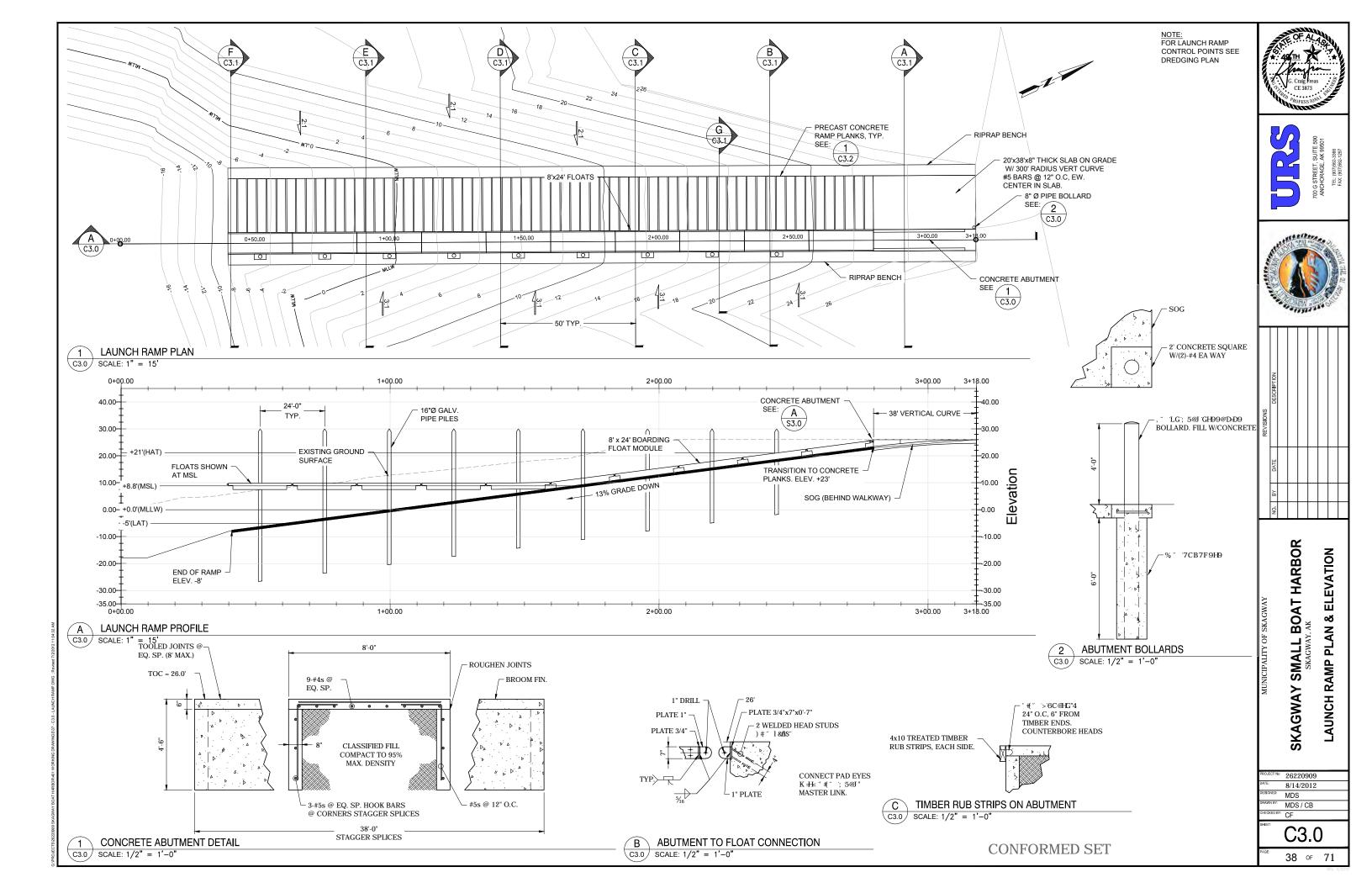


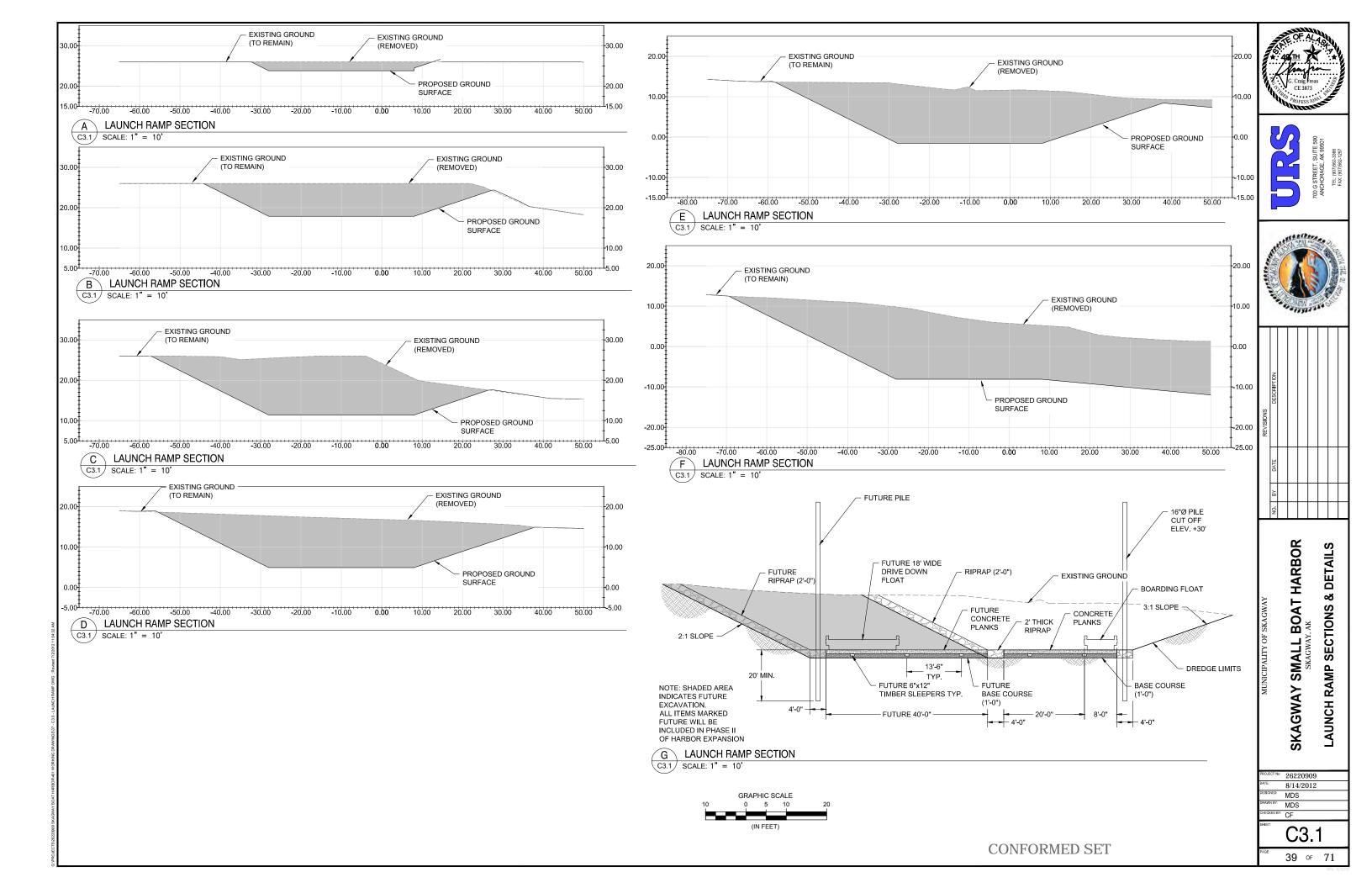


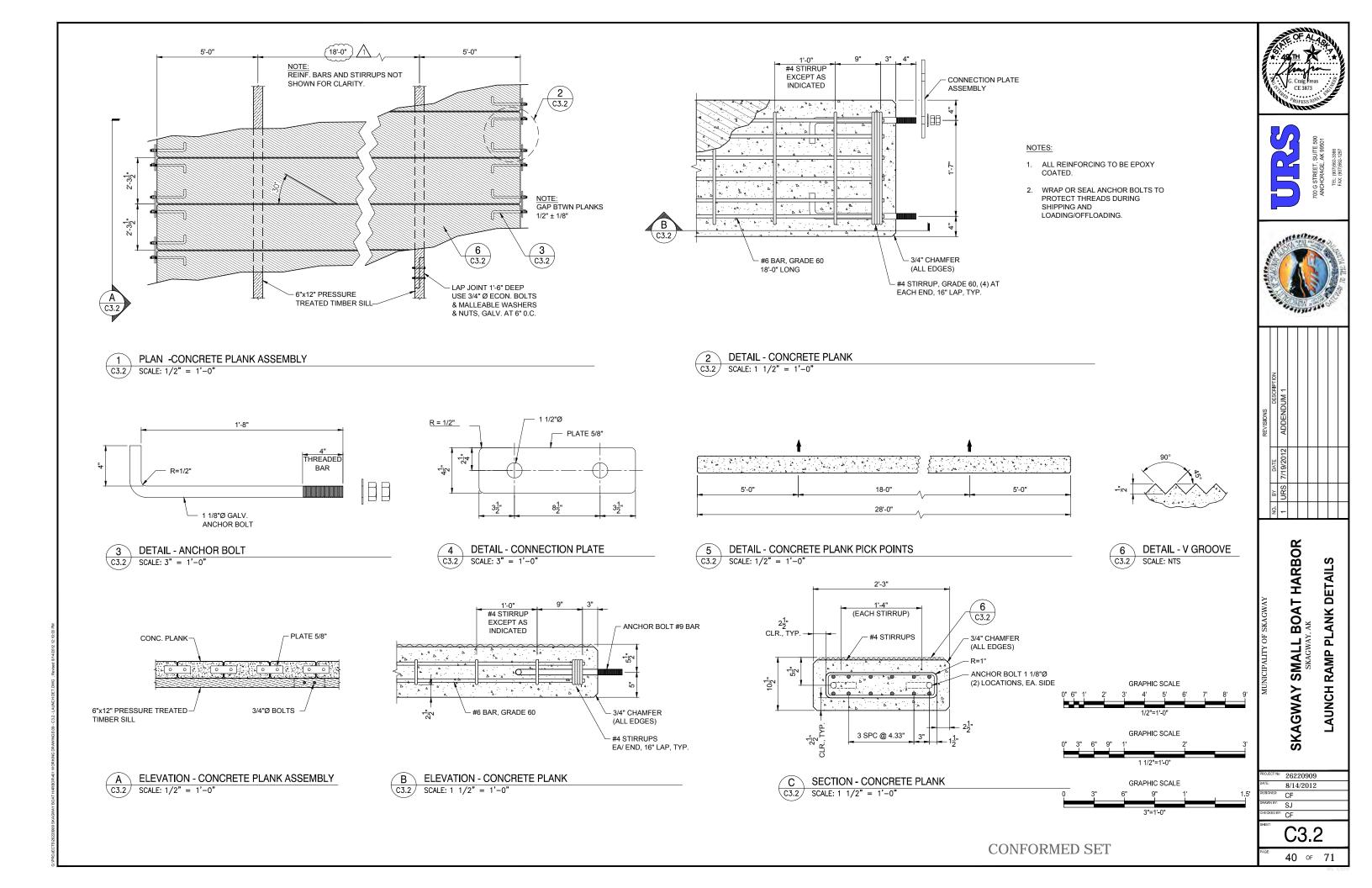


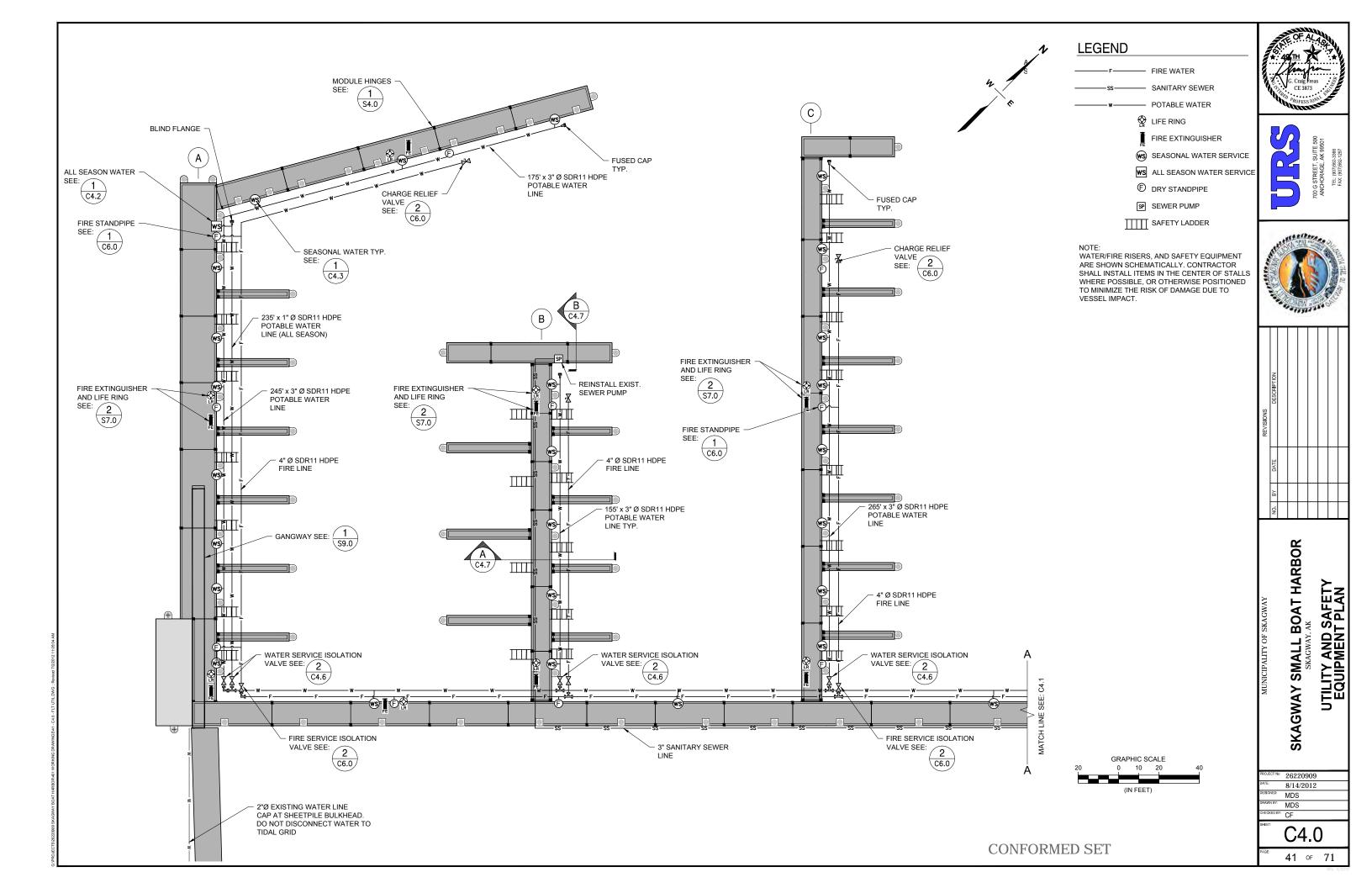


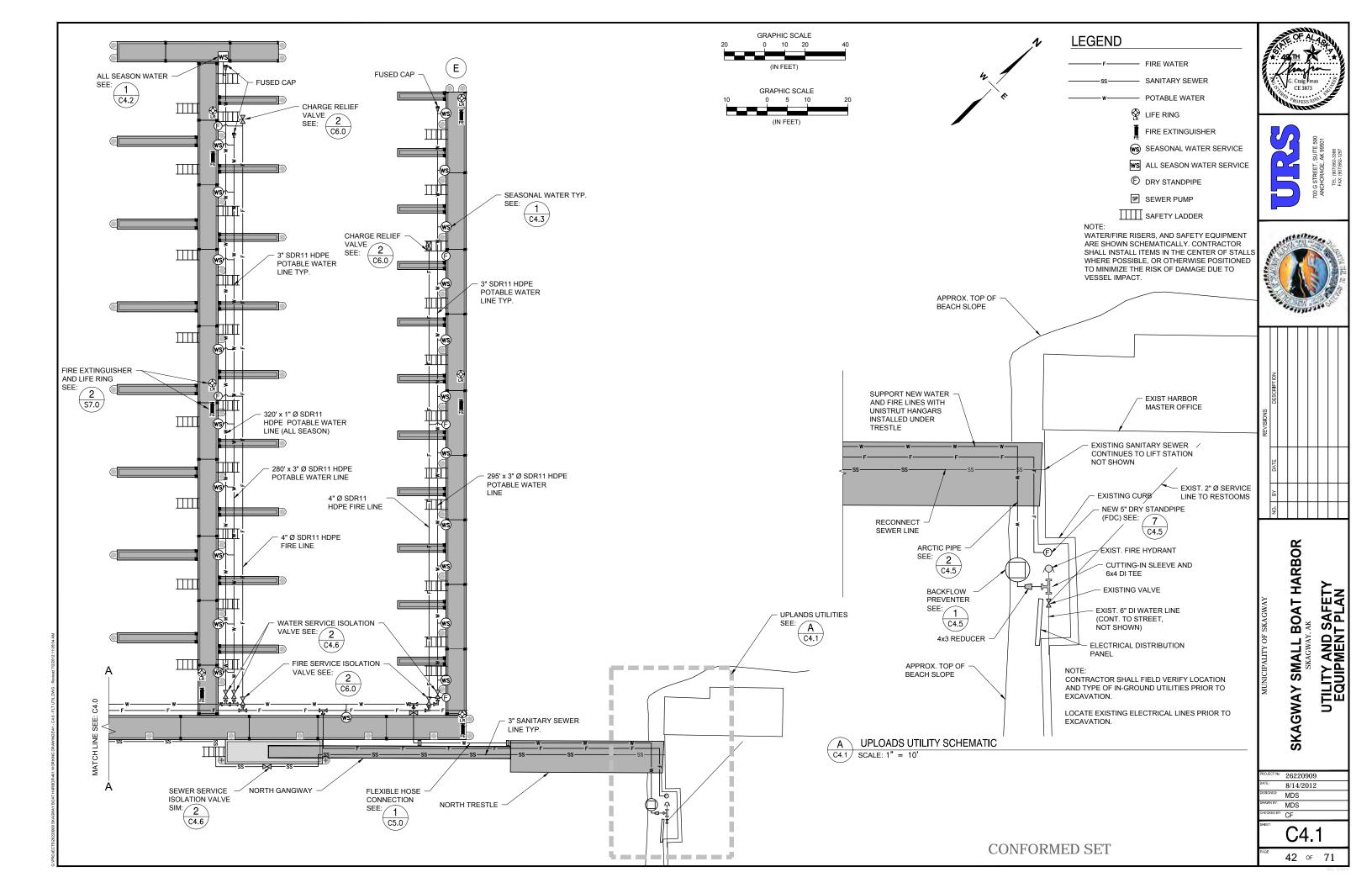


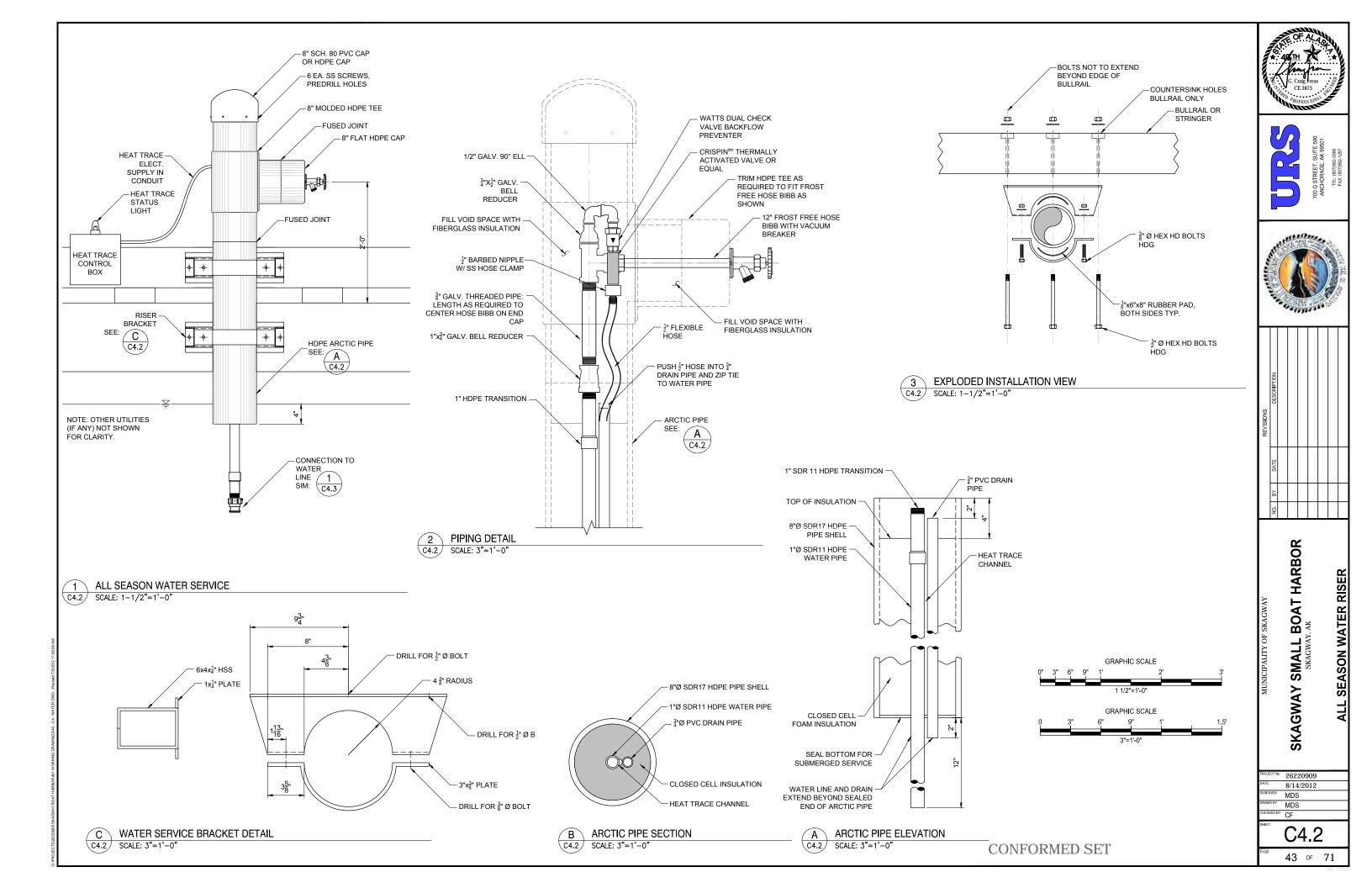


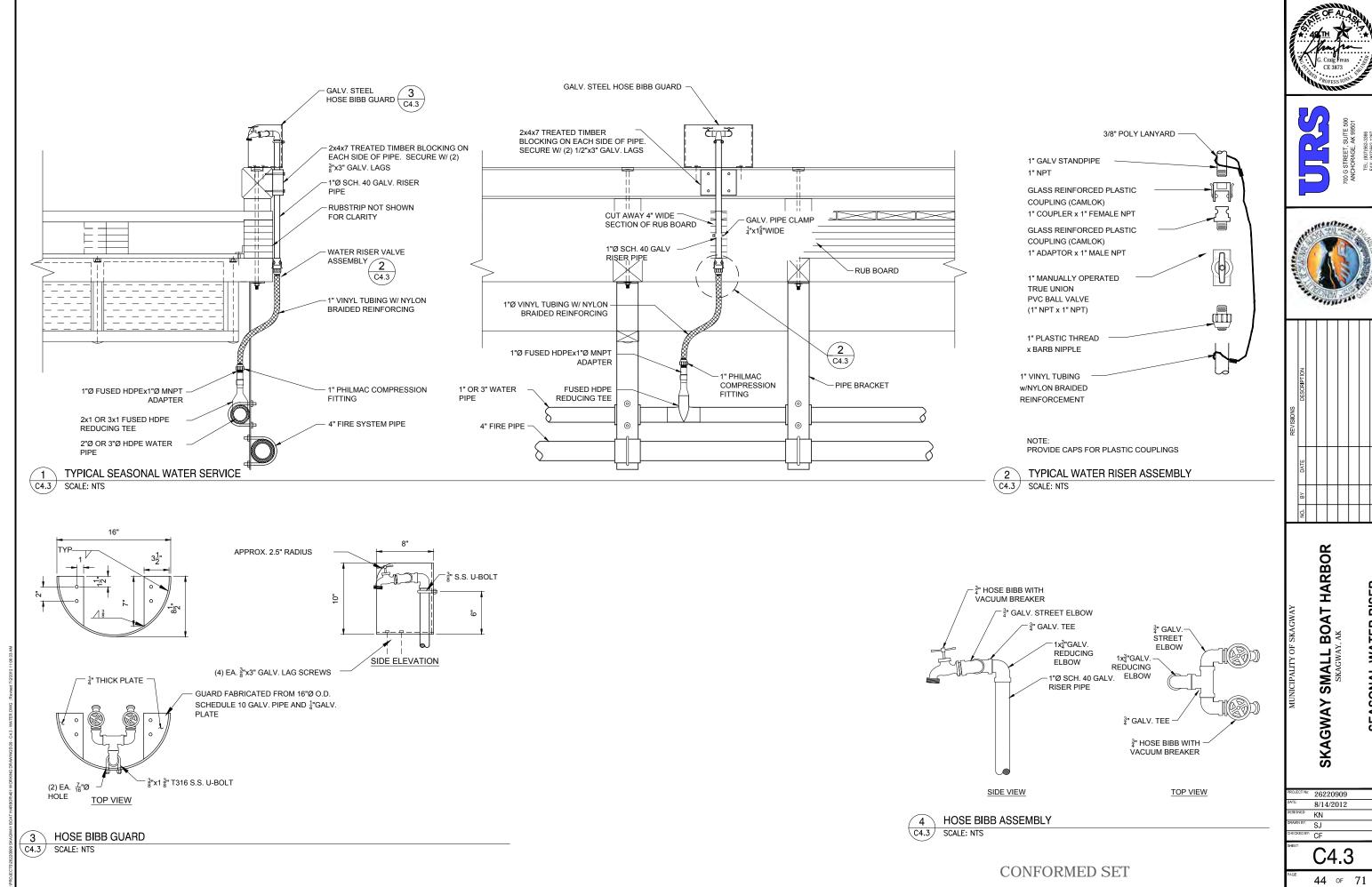




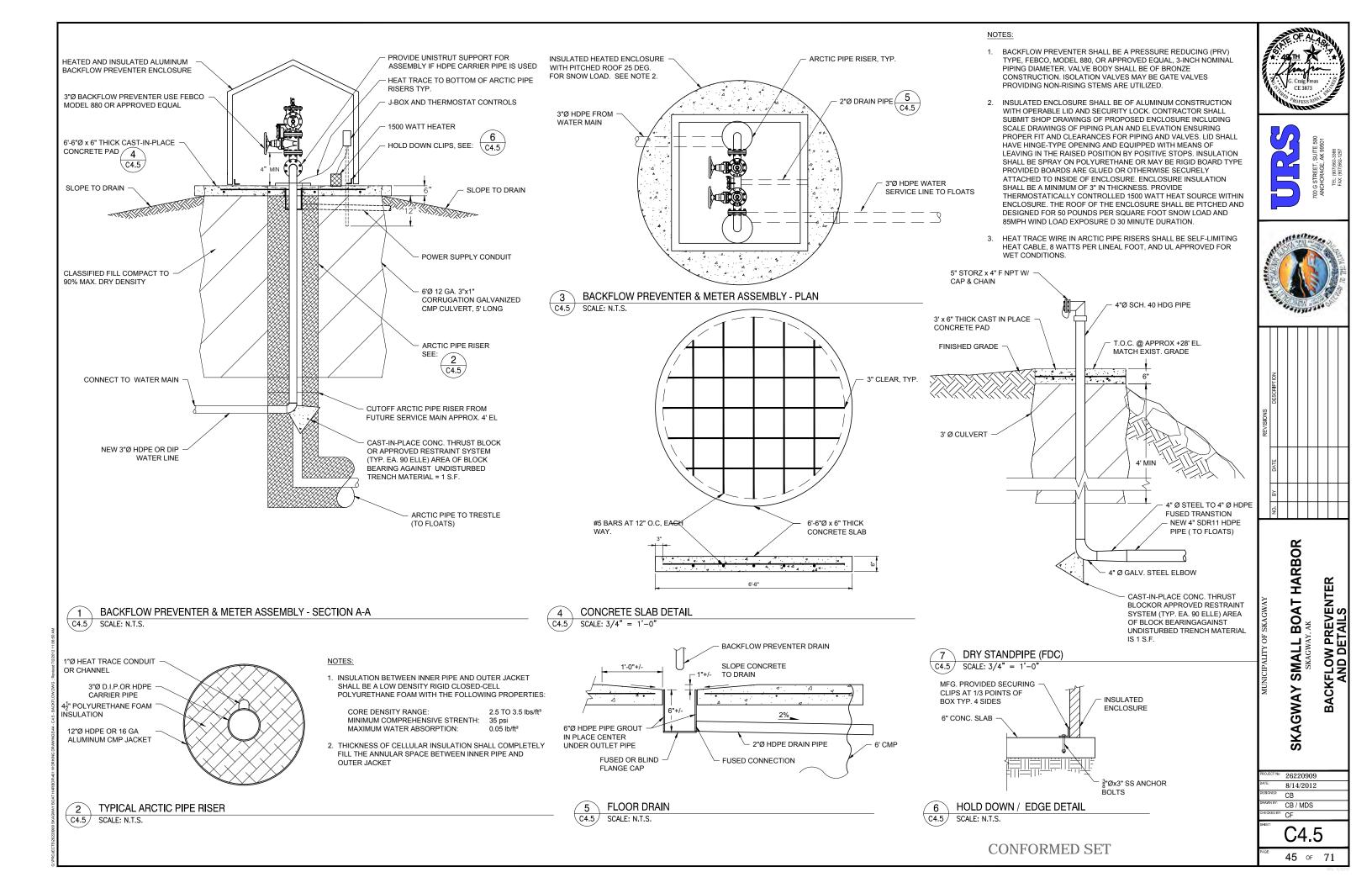


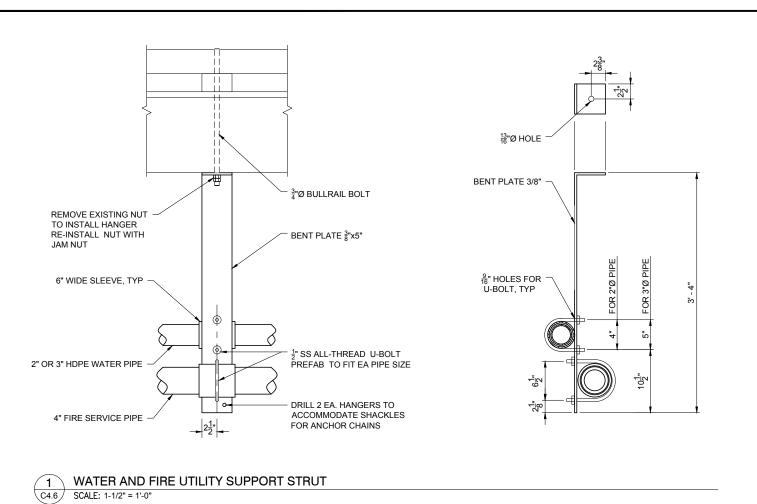












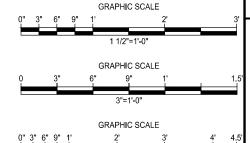


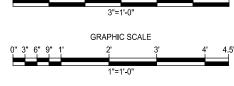
NOTES:

- 1. SUPPORT STRUTS SHOULD BE INSTALLED ON EXISTING BULLRAIL BOLTS TO A SPACING OF APPROXIMATELY 6'. 2 EA. SUPPORT STRUTS AT THE CONNECTION TEES WILL NEED BOLTS INSTALLED IN THE STRINGERS. THE STRINGER AND BULLRAIL WILL HAVE TO BE DRILLED.
- 2. TIGHTEN ALL-THREAD U-BOLTS TO ENGAGE THREADS INTO HDPE SLEEVE MATERIAL TO
- 3. SUPPORT STRUTS SHOULD BE HOT DIP GALVANIZED AFTER FABRICATION.

5. PIPE SUPPORT SHOWN CONCEPTUALLY FOR WATER AND FIRE UTILITIES. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR PIPE SUPPORTS/MOUNTING HARDWARE TO CARRY WATER, FIRE, AND SEWER LINES AS INDICATED ON THE SITE PLAN. THE SEWER LINE SHALL BE INSTALLED ON A SEPARATE BRACKET ON THE OPPOSITE SIDE OF THE FLOAT FROM THE WATER LINES



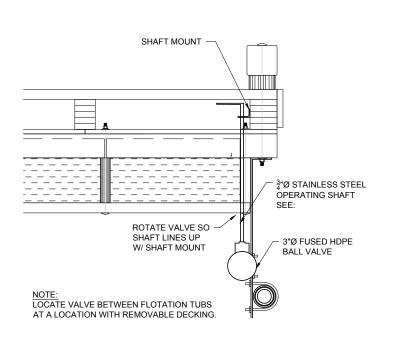




18"ØTRESTLE PILE

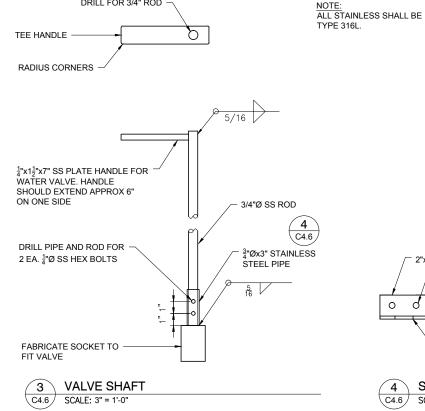
ARCTIC PIPE

½" Ø U-BOLT (GALV.)

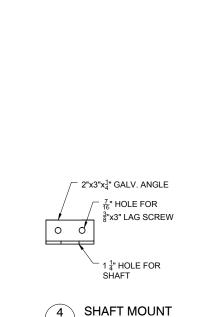


2 WATER SERVICE VALVE

C4.6 SCALE: 1" = 1'-0"

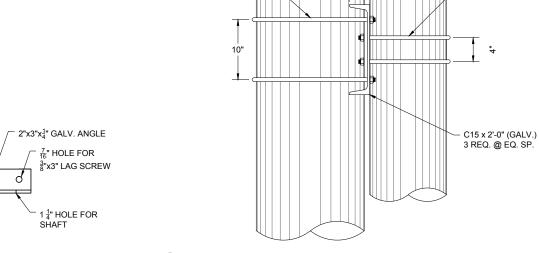


DRILL FOR 3/4" ROD



SCALE: 3" = 1'-0"

C4.6



½" Ø U-BOLT 2 REQ

(GALV.)

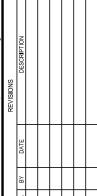
| | | PROJE |
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| 5 | ARCTIC PIPE SUPPORT AT PILE | DESIGN |
| 1.6 | SCALE: 1-1/2" = 1'-0" | DRAWN |
|) | | CHECK |
| | | SHEET |
| | | |
| | COMPORTOR CET | |

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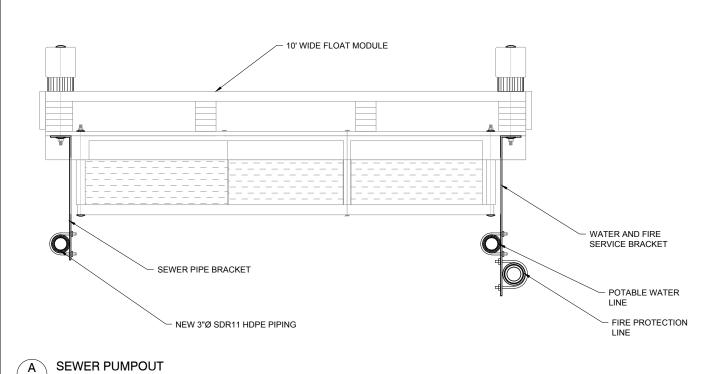




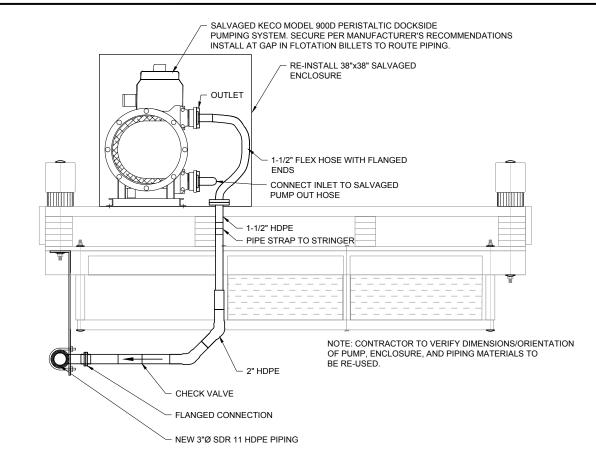
SKAGWAY SMALL BOAT HARBOR WATER & FIRE SYSTEM HANGERS AND VALVES

DECT No: 26220909 8/14/2012 SIGNED: KN

AWN BY: MDS ECKED BY: CF_



C4.7 SCALE: 1-1/2" = 1'-0"



B SEWER PUMPOUT SCALE: 1-1/2" = 1'-0"







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SKAGWAY SMALL BOAT HARBOR SKAGWAY, AK

WATER AND SEWER SYSTEM TYPICAL SECTIONS AND DETAIL

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C4.7

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CONFORMED SET

GRAPHIC SCALE

