

CITY OF ANN ARBOR

ARGO DAM & GEDDES DAM COATING AND MISCELLANEOUS REPAIRS

January 2013

ITB#: 4261

File #: 13001

Stantec Project Number: 2075116502

BID SET

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LIFT HOIST IMPROVEMENTS

- 1. MATCH EXISTING THICKNESS OF ALL STEEL COMPONENTS BEING REPLACED.
- 2. UNLESS OTHERWISE NOTED ALL WELDED REPAIRS SHALL BE CONTINUOUSLY WELDED.
- 3. DISMANTLE AND REMOVE ALL HOUSING ENCLOSURES AND PANELS TO THE EXTENT POSSIBLE. BLASTING AND PAINTING OF THE HOUSINGS, PANELS AND RELATED COMPONENTS SHALL BE PERFORMED INDOORS IN A CONTROLLED ENVIRONMENT.
- 4. ANY REMAINING COMPONENTS (I.E. PLATFORM, FRAME, ETC.) THAT CANNOT BE REMOVED SHALL BE BLASTED AND PAINTED ON-SITE. PROTECT ALL INTERNAL COMPONENTS FROM BLASTING AND OVER SPRAY. PROTECT ALL MECHANICAL AND ELECTRICAL EQUIPMENT.
- 5. ALL HOUSINGS, PANELS, COMPONENTS, RELATED EQUIPMENT SHALL BE BLASTED AND PAINTED ON BOTH FACES, INTERIOR AND EXTERIOR.
- 6. REPLACE BOLTS, NUTS, FASTENERS WITH STAINLESS STEEL.
- 7. THESE DRAWINGS ARE NOT INTENDED TO BE FABRICATION DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BIDDING. CONTRACTOR SHALL DIMENSION THE CORRODED AREAS FOR REPAIRS PRIOR TO SUBMITTING SHOP DRAWINGS.
- 8. WHILE HOUSING AND OTHER COMPONENTS ARE REMOVED, BLASTED AND PAINTED, CONTRACTOR SHALL CONSTRUCT TEMPORARY ENCLOSURE TO PROTECT THE GEAR MECHANISM AND CHAIN SPOOLS FROM THE WEATHER AND VANDALISM. TEMPORARY ENCLOSURE SHALL BE WATER TIGHT, SHALL BE LOCKABLE WITH A HASP AND PADLOCK. TEMPORARY ENCLOSURE SHALL BE SECURED TO THE EXISTING BOLT HOLES.

PAINTING NOTES

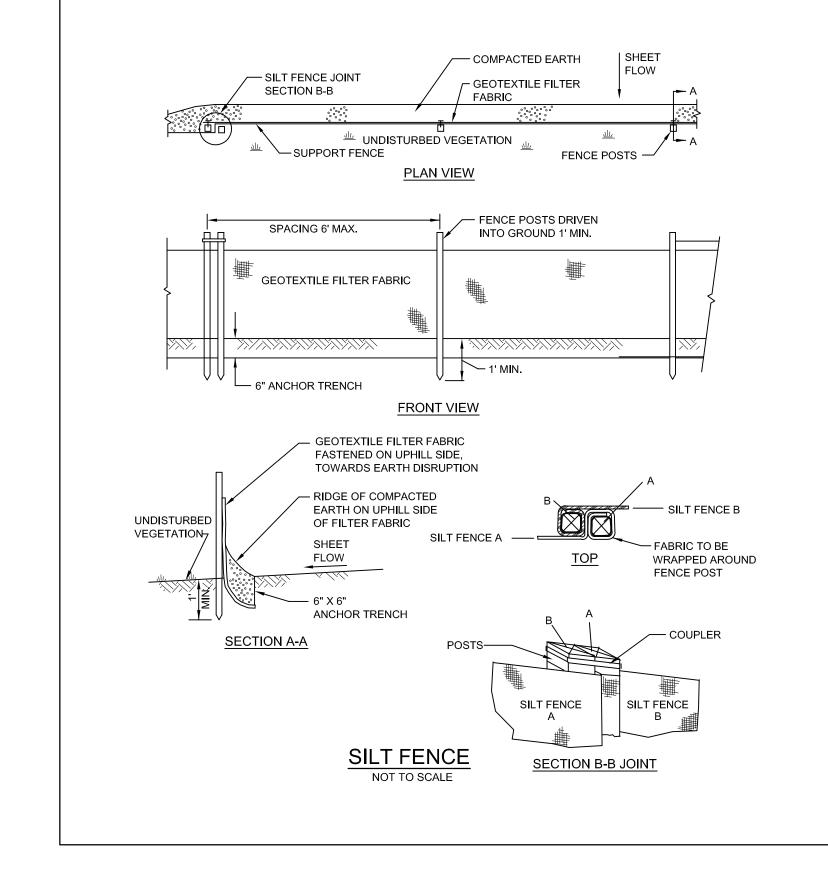
- 1. ITEMS TO BE PAINTED ARE DESIGNATED IN THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING ALL COMPONENTS OF THE DESIGNATED ITEMS.
- 2. ITEMS THAT CAN BE REMOVED SHALL BE SHOP PAINTED OFF SITE. OTHER ITEMS SHALL BE PAINTED IN PLACE WITH CONTAINMENT.
- 3. PROTECT ALL CONCRETE FROM BLAST MEDIA AND BLASTING PROCESS.
- 4. PROTECT ALL MECHANICAL, ELECTRICAL AND OTHER COMPONENTS NOT INTENDED TO BE BLASTED. PROTECT GREASED LIFT CHAINS.
- 5. TESTING CONFIRMS THE PRESENCE OF LEAD PAINT ON THIS PROJECT. SEE APPENDIX OF THE SPECIFICATIONS FOR TEST RESULTS. THE CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS OF SECTION 01370 (LEAD BASED PAINT REMOVAL) IN THE SPECIFICATIONS.
- 6. STAINLESS STEEL SIDE SEALS SHALL NOT BE PAINTED.
- 7. ITEMS TO BE PAINTED SHALL INCLUDE ALL GATE STOP PLATES AND SIDE SEAL HEATER CHECKER PLATE COVERS.
- 8. REMOVE ANY MANUFACTURER NAMEPLATES, TAGS, ETC PRIOR TO BLASTING AND PAINTING. REATTACH WITH STAINLESS STEEL RIVETS.
- 9. INSTALL NEW WATERTIGHT GASKET FOR EACH SIDE SEAL HEATER COVER PLATE AFTER PAINTING AND PRIOR TO REINSTALLING.
- 10. RE-CAULK AROUND SIDE SEAL HEATER COVER PLATES AFTER RE-INSTALLING WITH GASKET.
- 11. PROTECT ALL EQUIPMENT AND OPENINGS FROM WEATHER FOLLOWING REMOVAL OF HOUSINGS FOR PAINTING. PROTECTION SHALL BE RIGIDLY FRAMED AND SHALL NOT CONSIST SOLELY OF PLASTIC SHEETING SUBJECT TO TEARING AND LEAKAGE.
- 12. BLAST MEDIA SHALL BE FULLY CONTAINED AND IS NOT PERMITTED TO WASH DOWNSTREAM.

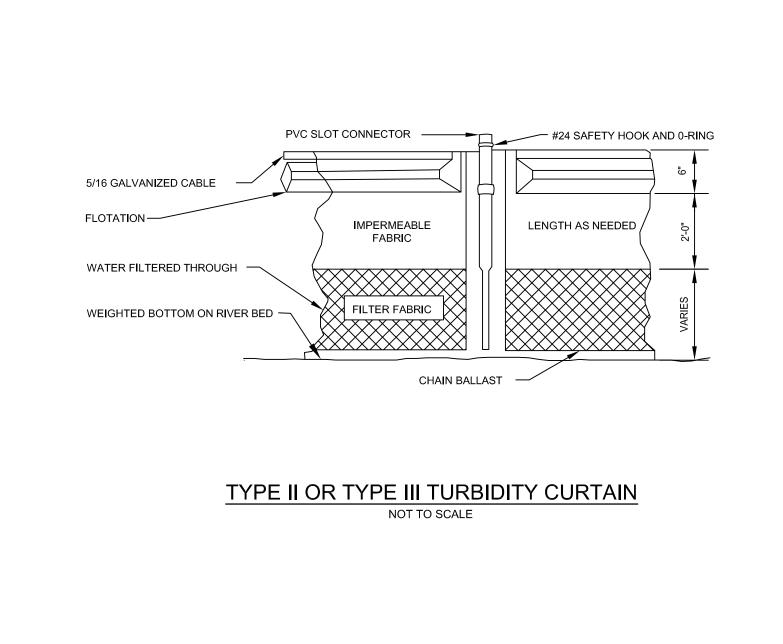
GENERAL NOTES

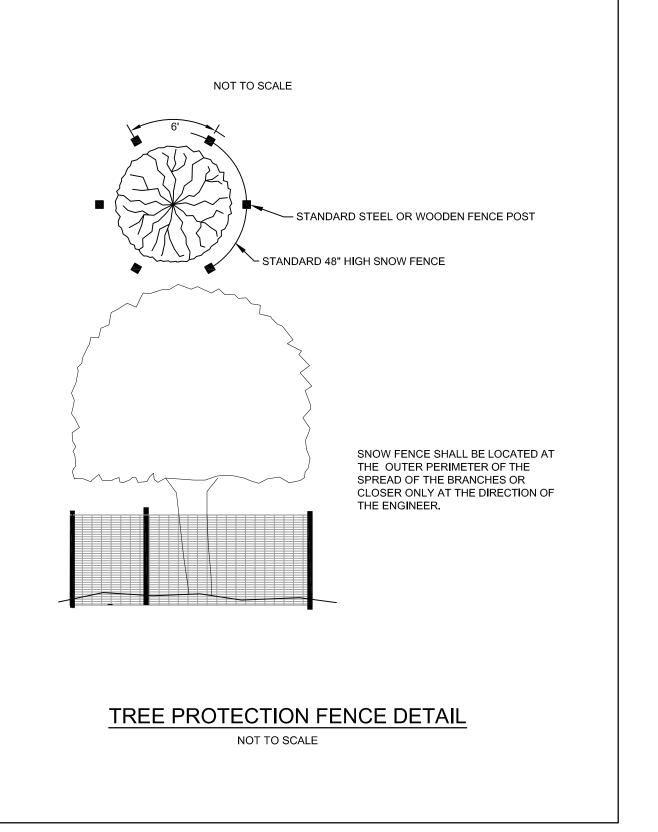
- . CONTRACTOR SHALL COORDINATE HIS ACTIVITIES WITHIN THE CITY'S CANOE LIVERY. CONSTRUCTION SHALL NOT BE PERMITTED TO INTERFERE WITH LIVERY OPERATIONS.
- 2. THE PEDESTRIAN BRIDGE OR WALKWAY MAY BE TEMPORARILY CLOSED UP UNTIL THE END OF MAY. AFTER MAY 31, NO CLOSURE OF THE WALKWAYS SHALL BE PERMITTED. CONTRACTOR SHALL COORDINATE HIS WORK ACCORDINGLY.
- 3. CONTRACTOR MAY CLOSE PEDESTRIAN BRIDGES OR WALKWAYS FOR WORK PERIODS DURING THE DAY, BUT SHALL REOPEN AT THE END OF EACH WORK DAY.
- 4. PROVIDE TEMPORARY BARRIERS AS NEEDED FOR PROTECTION OF THE PUBLIC.
- 5. PROVIDE SIGNAGE FOR "CONSTRUCTION AHEAD", "WALKWAY CLOSED" AND "CAUTION", AND OTHER SIGNAGE AS NECESSARY.
- PROVIDE DETOUR SIGNAGE AND INSTRUCTIONS FOR PEDESTRIAN TRAVEL. COORDINATE DETOUR ROUTE WITH CITY STAFF.
- 7. NO DEBRIS, DEMOLISHED ITEMS, CONSTRUCTION MATERIALS, ETC. SHALL BE PERMITTED TO ENTER THE RIVER. ANY ITEMS FALLING INTO THE RIVER SHALL BE IMMEDIATELY RETRIEVED AND REMOVED.
- . CIGARETTE BUTTS SHALL NOT BE DISCARDED INTO THE RIVER OR ON THE GROUND.
- 9. ALL OSHA/MIOSHA REQUIREMENTS SHALL BE ADHERED TO. SAFETY DEVICES SHALL BE WORN AT ALL TIMES WHERE NEEDED FOR FALL PROTECTION AND/OR WATER SAFETY.
- 10. PROTECT EXISTING PAVEMENTS AND WALKS.

RESEALING CONCRETE ROOFS

- 1. PROVIDE HENRY HE307 FIBERED ASPHALT EMULSION.
- 2. REMOVE EXISTING COATINGS USING A CITRUS BASED CLEANER. POWER WASH SURFACE.
- 3. APPLY TWO (2) COATS OF SEALER @ 4 GALLONS/100 SF PER COAT.
- 4. STRICTLY ADHERE TO ALL MANUFACTURER RECOMMENDATIONS FOR SURFACE PREPARATION AND APPLICATION, INCLUDING TEMPERATURE AND MOISTURE LIMITATIONS.







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Legend

Note

Client/Project

Ann Arbor, Michigan

CITY OF ANN ARBOR

ARGO DAM & GEDDES DAM COATING AND MISCELLANEOUS REPAIRS

GENERAL NOTES AND SITE DETAILS

Project No.

2075116502

Drawing No.

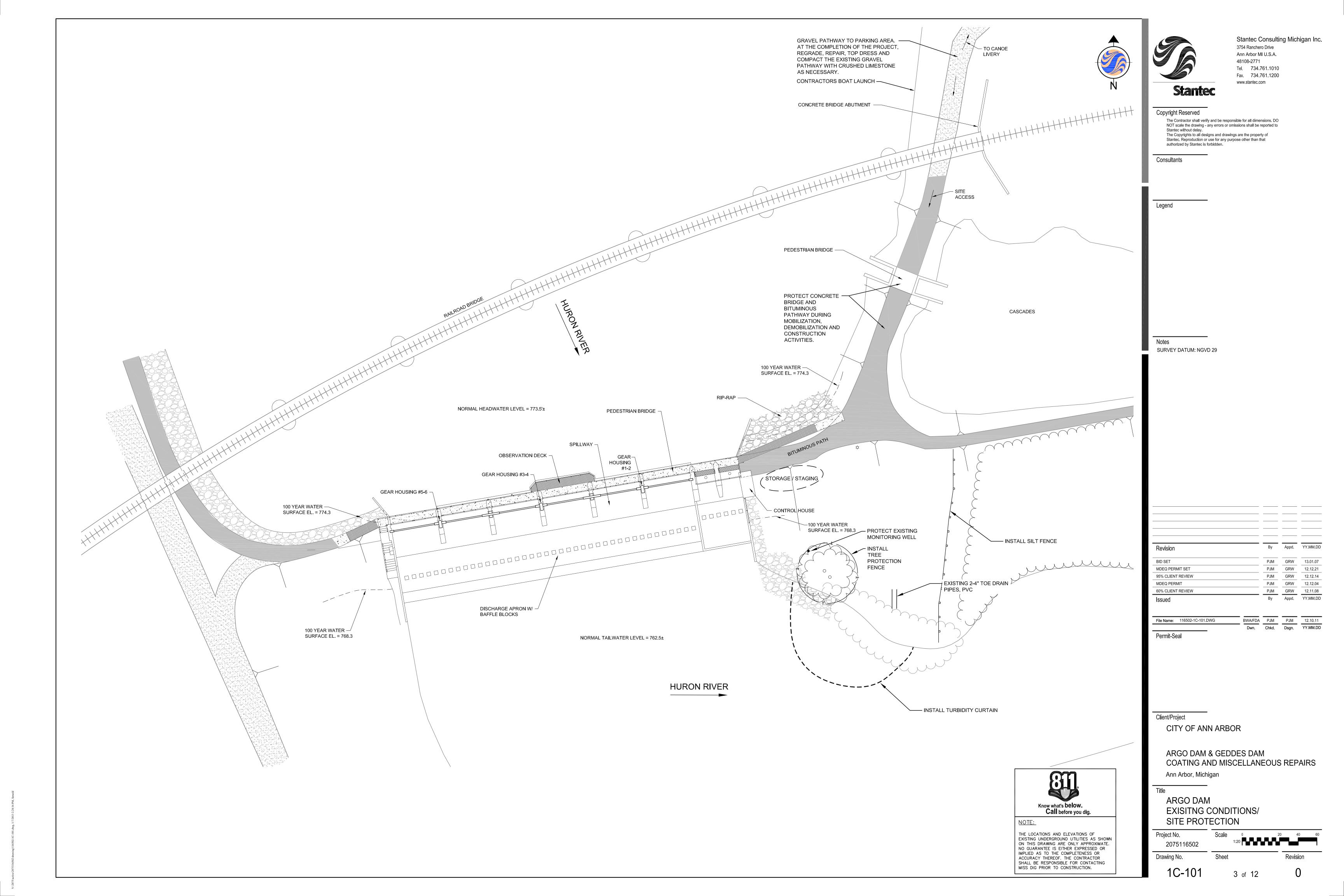
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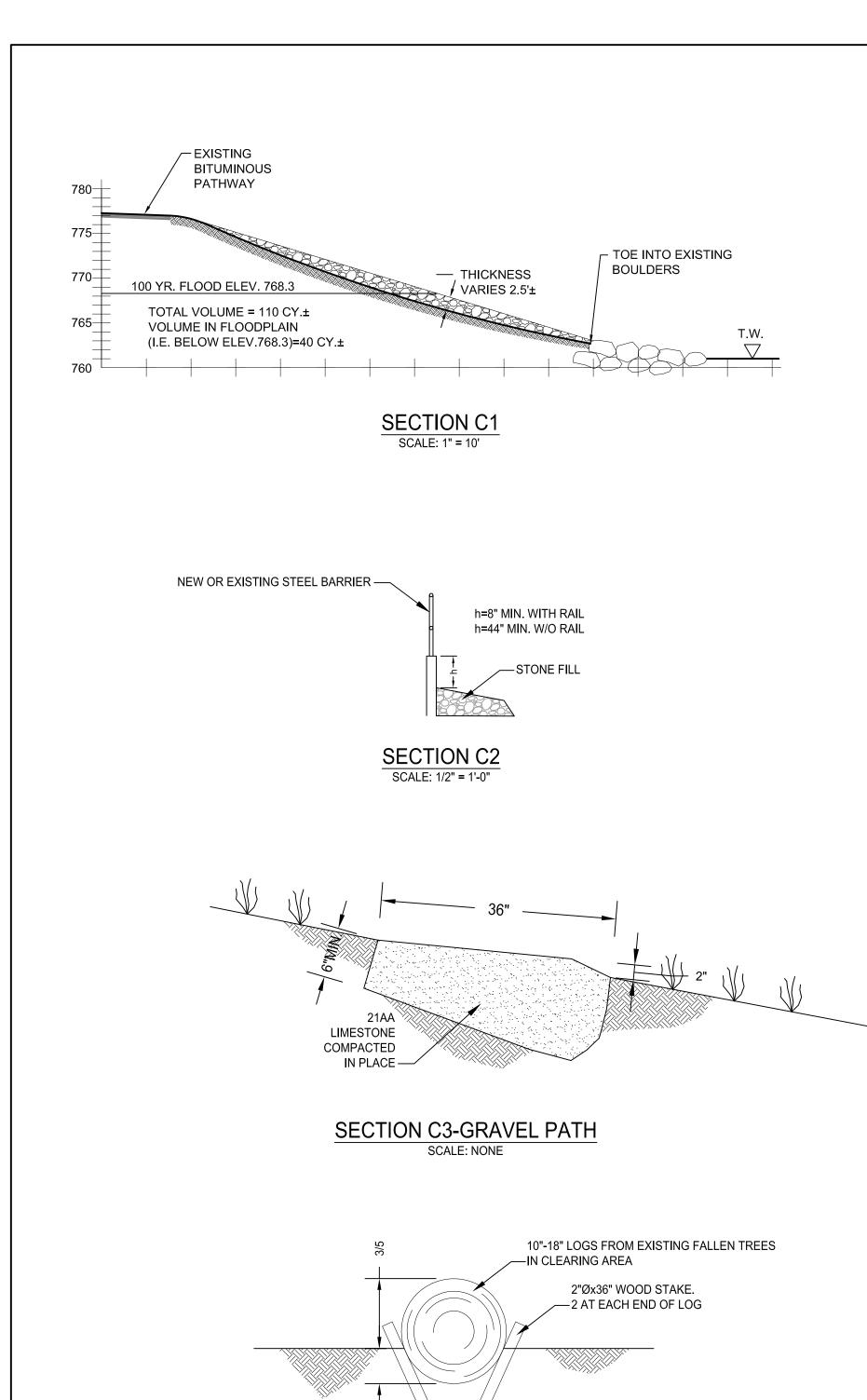
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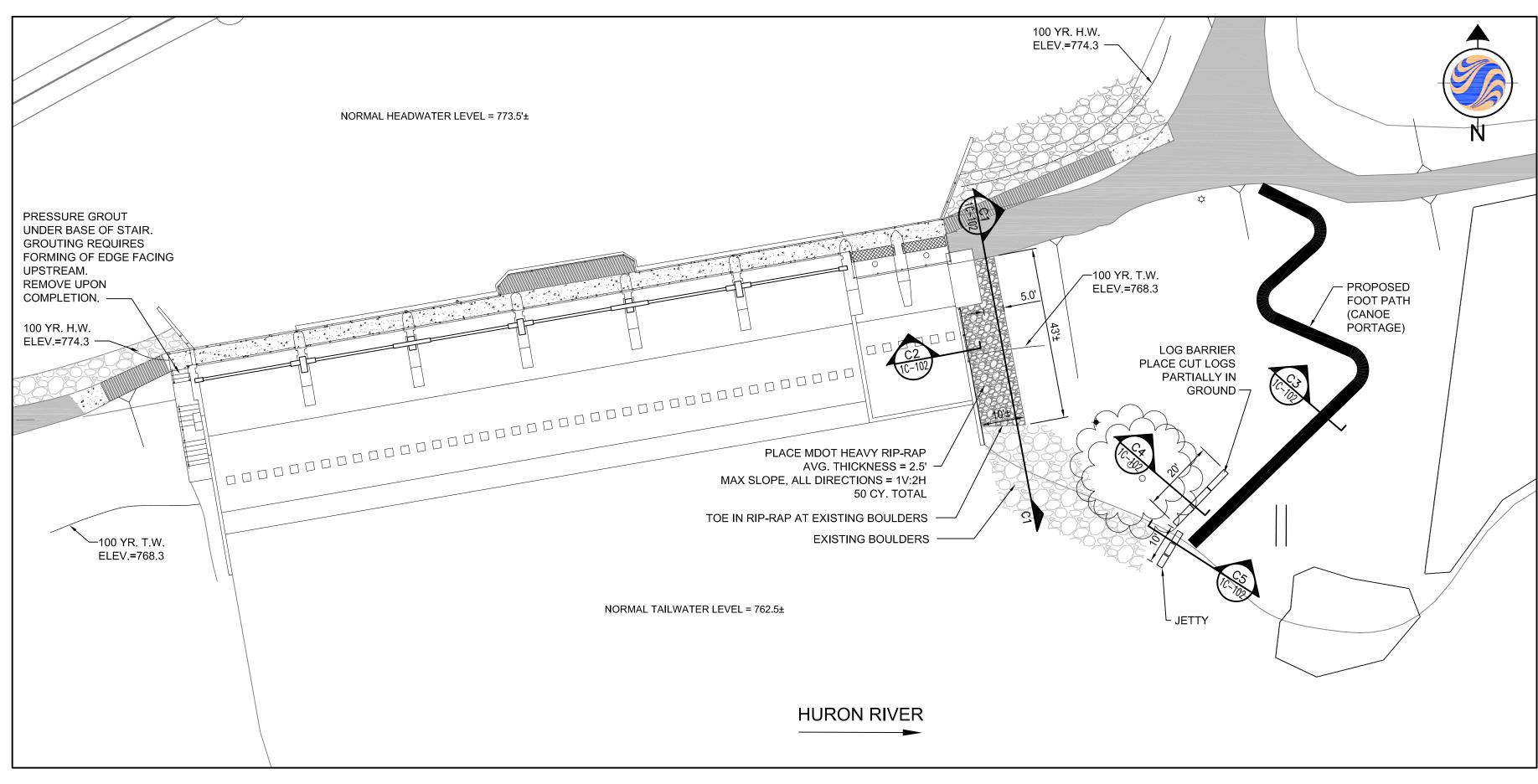
Revision

2 of 12

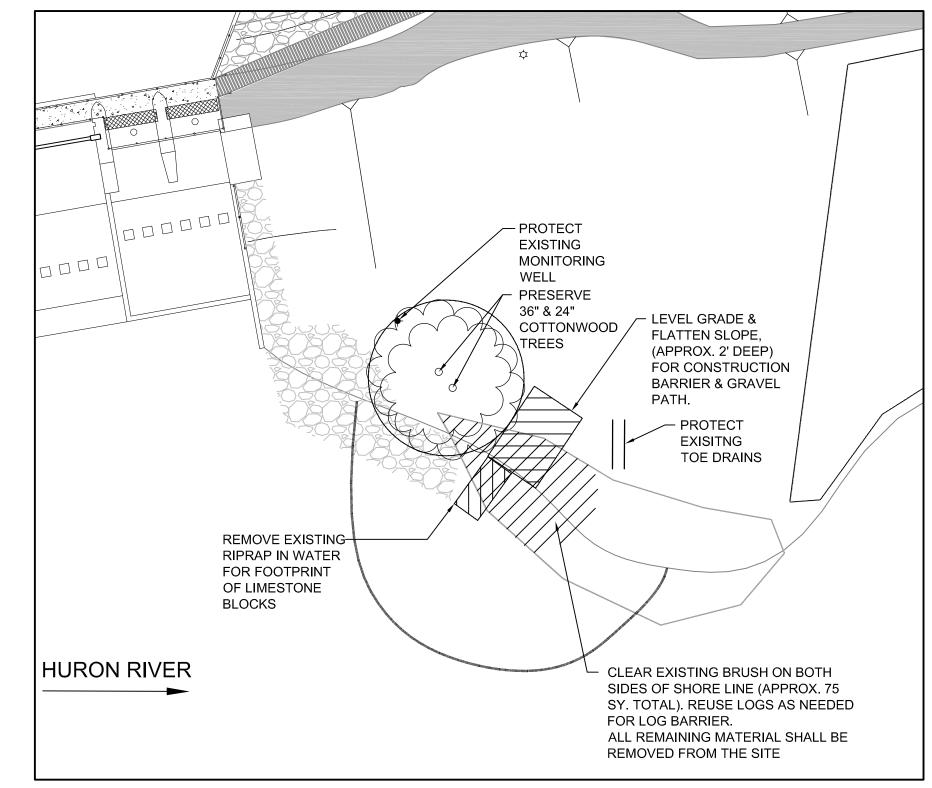
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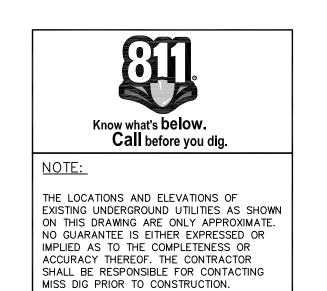




PROPOSED PLAN



CLEARING PLAN





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Appd. YY.MM.DD Revision BID SET 13.01.07 PJM GRW PJM GRW MDEQ PERMIT SET 12,12,21 95% CLIENT REVIEW PJM GRW 12.12.14 PJM GRW 12.12.04 PJM GRW 60% CLIENT REVIEW By Appd. YY.MM.DD Issued BWA/FDA PJM PJM 12.10.11 File Name: 116502-1C-102.DWG Dwn. Chkd. Dsgn. YY.MM.DD

Client/Project

Permit-Seal

CITY OF ANN ARBOR

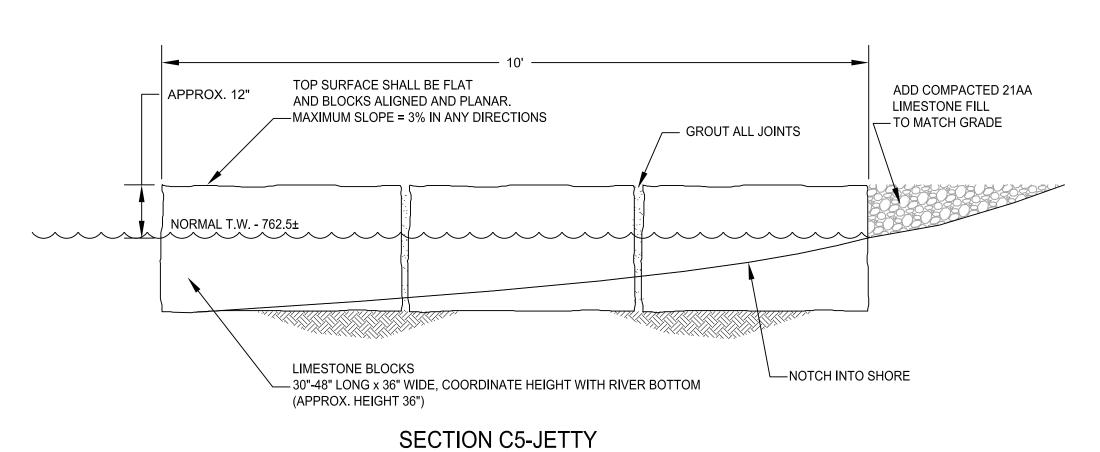
ARGO DAM & GEDDES DAM COATING AND MISCELLANEOUS REPAIRS Ann Arbor, Michigan

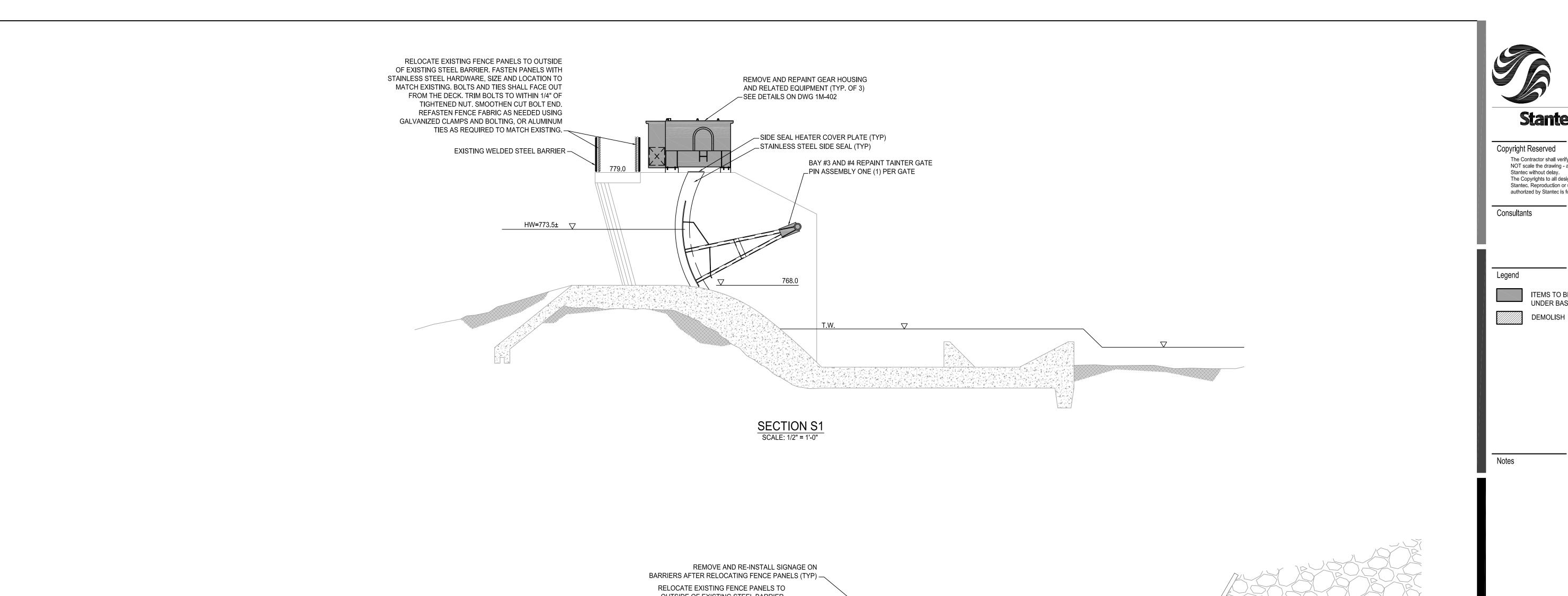
ARGO DAM SITE WORK

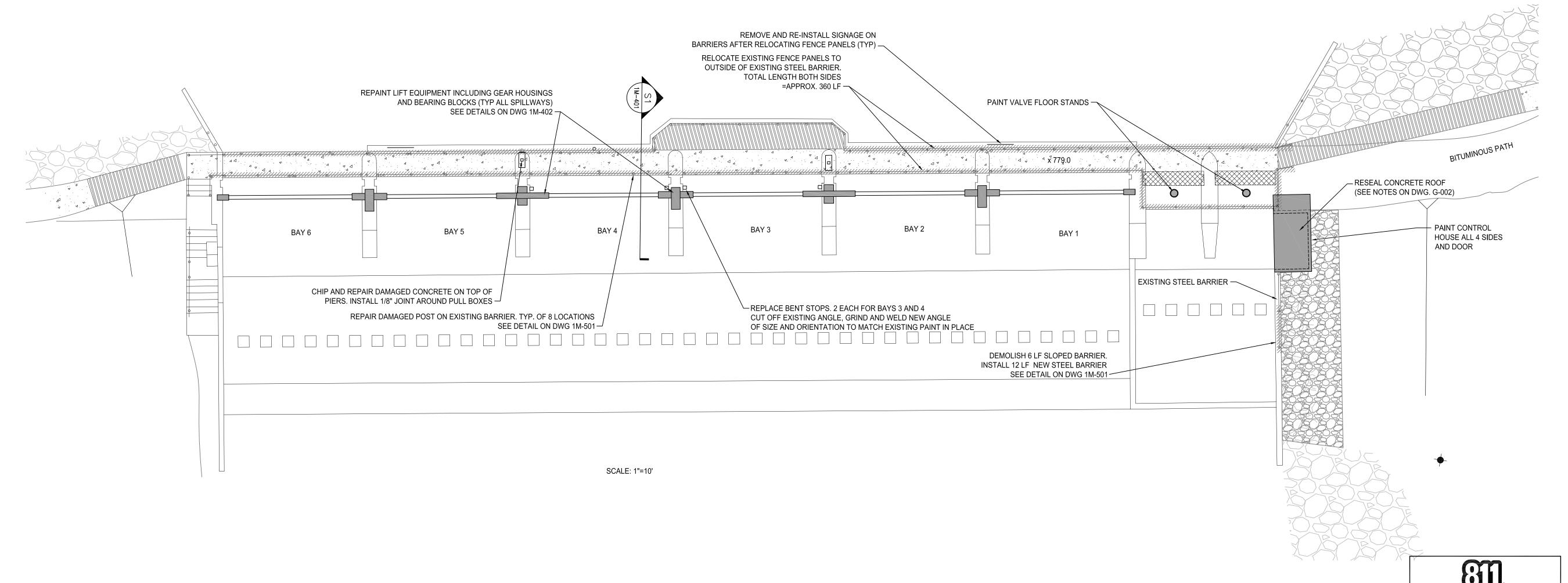
Project No. 2075116502 Drawing No. Sheet

SCALE: NONE

SECTION C4-LOG BARRIER SCALE: NONE









THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACTING MISS DIG PRIOR TO CONSTRUCTION.



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ITEMS TO BE PAINTED UNDER BASE BID

Appd. YY.MM.DD Revision BID SET PJM GRW MDEQ PERMIT SET PJM GRW 12,12,21 95% CLIENT REVIEW PJM GRW 12.12.14 MDEQ PERMIT PJM GRW 12.12.04 60% CLIENT REVIEW Appd. YY.MM.DD BWA PJM PJM 12.10.11

Dwn. Chkd. Dsgn. YY.MM.DD File Name: 116502-1M-401.DWG Permit-Seal

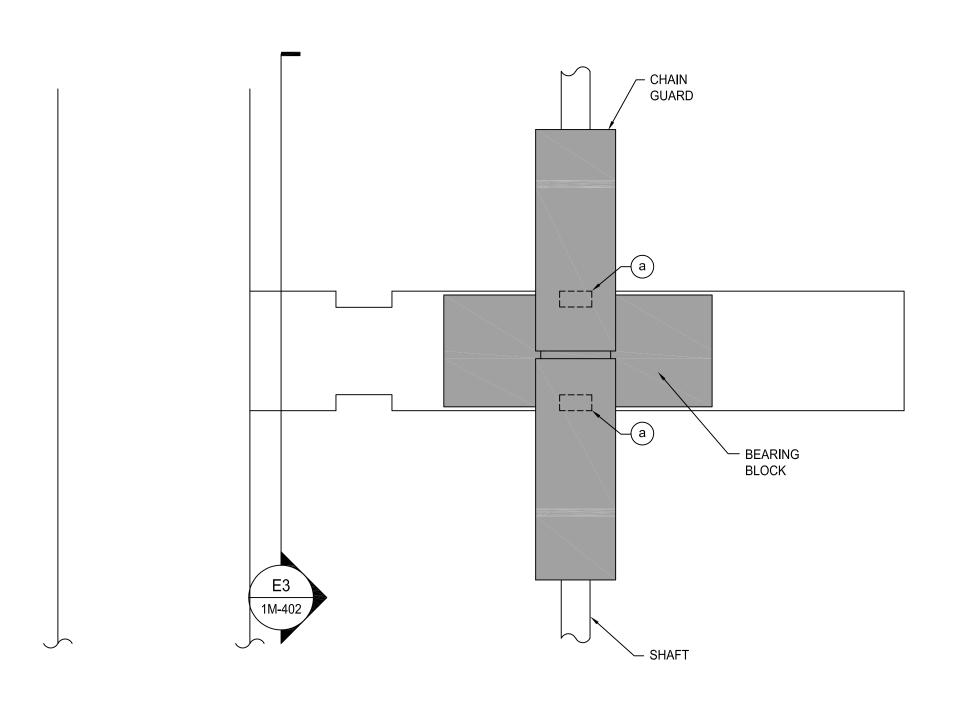
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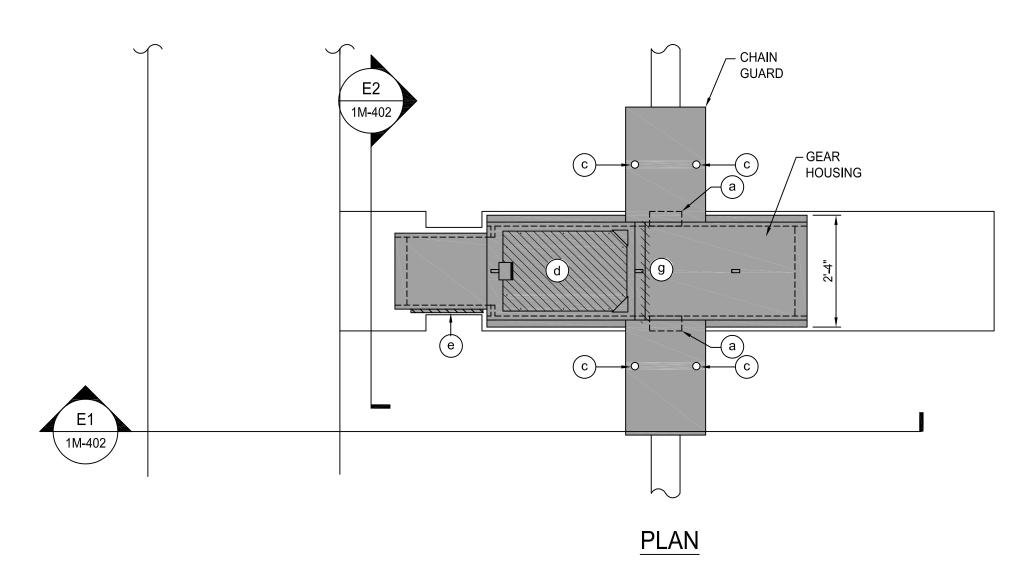
CITY OF ANN ARBOR

ARGO DAM & GEDDES DAM COATING AND MISCELLANEOUS REPAIRS Ann Arbor, Michigan

ARGO DAM SPILLWAY **REPAIRS I**

Project No. 2075116502	Scale AS NOTED	
Drawing No.	Sheet	Revision
1M-401	5 of 12	0





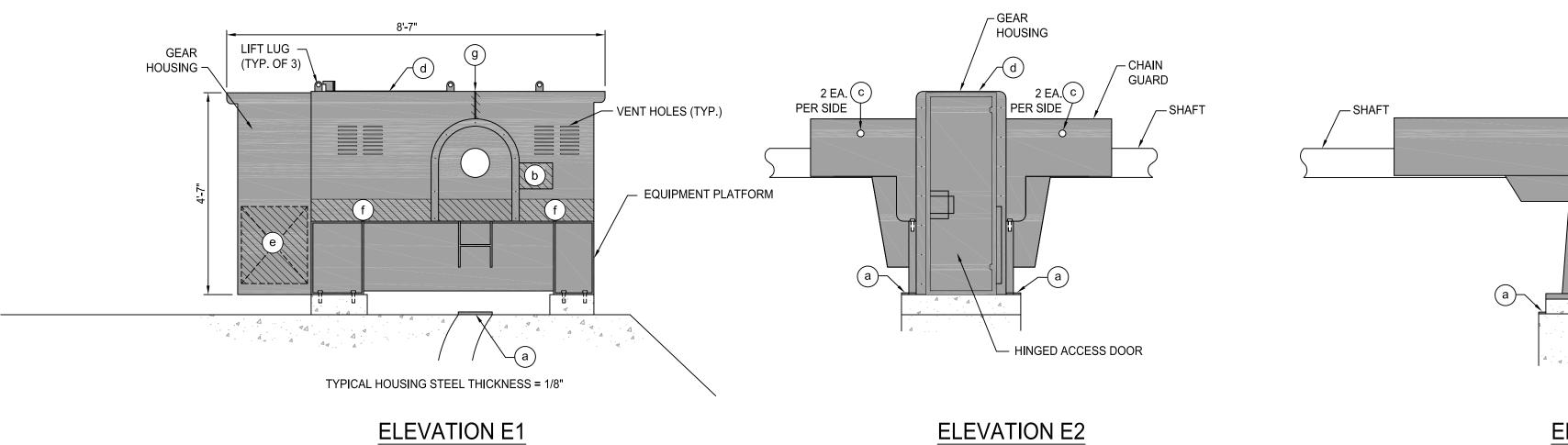
REPAIR SCHEDULE - BASE BID

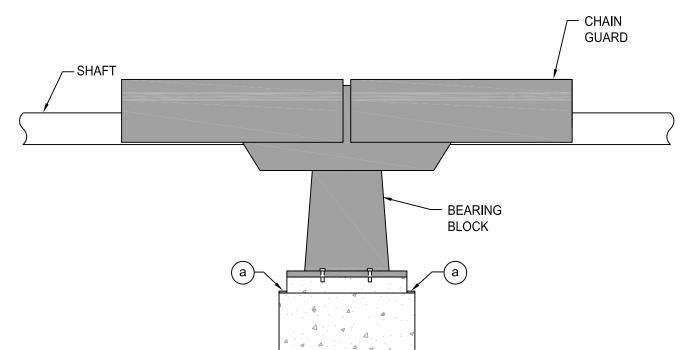
GEAR HOUSING 1-2 GEAR HOUSING 3-4 GEAR HOUSING 5-6

(a)		(a)		(a)	
(c)	4 EA.	b	1 S.F.	(c)	4 EA.
d		C	4 EA.	d	
		d		_	
		е	1 EA.		
		f	10 L.F.		
		g	5 L.F.		

KEY NOTES:

- (a) INSTALL NEW 1/16" EDPM GASKETS ON ALL SIDE SEAL HEATER COVER PLATES AND PAINT COVER PLATES (2 EACH PER BAY).
- (b) REPLACE CORRODED STEEL PLATE. SEE DETAIL ON DWG. 1M-501 (QUANTITY SHOWN IN SCHEDULE).
- © PROVIDE NEW GREASE PORTS. SEE DETAIL ON DWG. 1M-501 (1 EA. PER CHAIN GUARD).
- d DEMOLISH OLD TOP ACCESS COVER AND FABRICATE NEW PER DETAIL ON DWG. 1M-501 (1 EACH PER HOUSING).
- (e) DEMOLISH SIDE ACCESS COVER AND WELD CLOSED WITH 11 GA PLATE PER DETAIL DWG. 1M-501 (QUANTITY SHOWN IN SCHEDULE).
- (f) REPLACE CORRODED STEEL AND BOTTOM FLANGE. SEE DETAIL ON DWG. 1M-501 (QUANTITY SHOWN IN SCHEDULE).
- (g) REPLACE CORRODED STEEL PANEL JOINT. SEE DETAIL ON DWG. 1M-501 (QUANTITY SHOWN IN SCHEDULE).





ELEVATION E3





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ITEMS TO BE PAINTED UNDER BASE BID

DEMOLISH / REPAIR

Note

EQUIPMENT IS SHOWN WITH APPROXIMATE GEOMETRY AND DIMENSION ONLY.

2. ALL REFURBISHED EQUIPMENT SHALL RECIEVE NEW 304 S.S. BOLTS, TO MATCH EXISTING SIZE AND SPACING.

				NOVAMA DD
Revision		Ву	Appd.	YY.MM.DD
BID SET		PJM	GRW	13.01.07
MDEQ PERMIT SET		PJM	GRW	12.12.21
95% CLIENT REVIEW		PJM	GRW	12.12.14
MDEQ PERMIT		PJM	GRW	12.12.04
60% CLIENT REVIEW		PJM	GRW	12.11.08
Issued		Ву	Appd.	YY.MM.DD
File Name: 116502-1M-402.DWG	BWA/FDA	PJM	РЈМ	12.10.11
	Dwn,	Chkd.	Dsgn.	YY.MM.DD
Permit-Seal				

Client/Project

CITY OF ANN ARBOR

ARGO DAM & GEDDES DAM COATING AND MISCELLANEOUS REPAIRS

Ann Arbor, Michigan

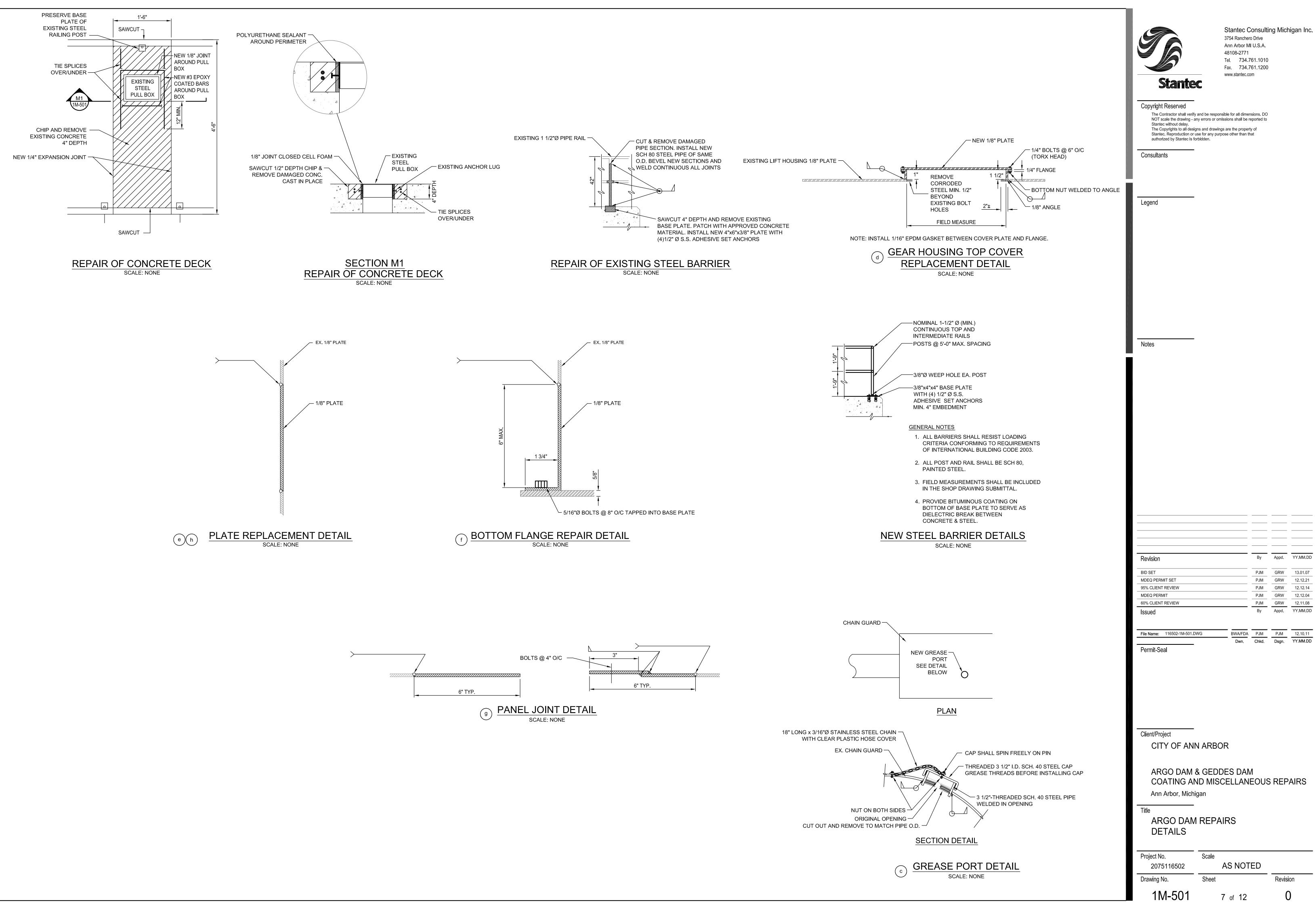
ARGO DAM REPAIRS II

Project No.	Scale		
2075116502	1	AS NOTED	
Drawing No.	Sheet		Revision

1M-402

6 of 12

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Dwn. Chkd. Dsgn. YY.MM.DD

COATING AND MISCELLANEOUS REPAIRS

AS NOTED