


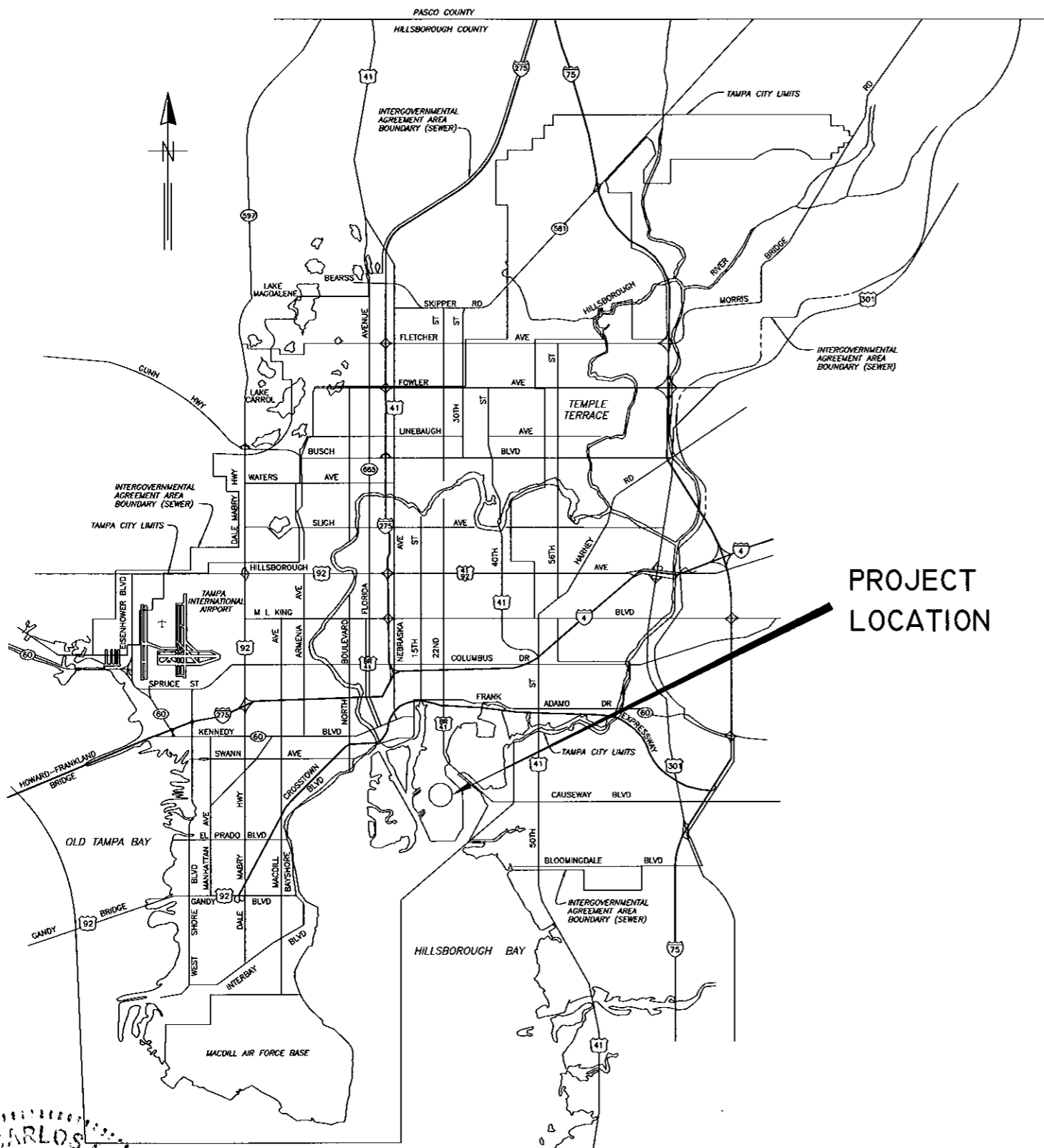
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 **REGISTER AS A “PLANHOLDER”**  
TO BE LISTED ON THE WEBPAGE,  
TO BE FOUND BY POTENTIAL  
SUB-CONTRACTORS,  
AND TO BE OFFICIALLY NOTIFIED OF  
ADDENDA.

FOR ASSISTANCE OR  
TO REGISTER CONTACT:

MAILTO:[BERNICE.WHEELER@TAMPA.GOV.NET](mailto:BERNICE.WHEELER@TAMPA.GOV.NET)  
BERNICE WHEELER, (813)274-8456, FAX 274-8080  
CONTRACT ADMINISTRATION DEPARTMENT  
306 E. JACKSON ST. #280A4N  
TAMPA, FL 33602

LOCATION MAP



CITY of TAMPA



PROJECT  
LOCATION

WASTEWATER DEPARTMENT

PLANS FOR

HFC AWTP MAIN PUMP STATION  
WET WELL REHABILITATION  
CONTRACT : 8-C-22

User: ss8k Drawing Name: K:\micat\autocad\DESIGN WORK\CASSIDY\HFC\AWTP MAIN PS REHAB 5009\DWGS\TPB08-001-006 AWTP MAIN PS WET WELL.dwg  
Layout - COVER SHEET, Apr 07, 2008 - 3:23pm

STATE OF FLORIDA  
JAGINTO CARLOS FERRAS  
DESIGN DIVISION HEAD  
WASTEWATER DEPARTMENT  
No. 39454  
4/7/08

No.	DATE	REVISIONS
3		
2		
1		

DES: CB  
DRN: MRL  
CKD: JF  
DATE: 4/7/08

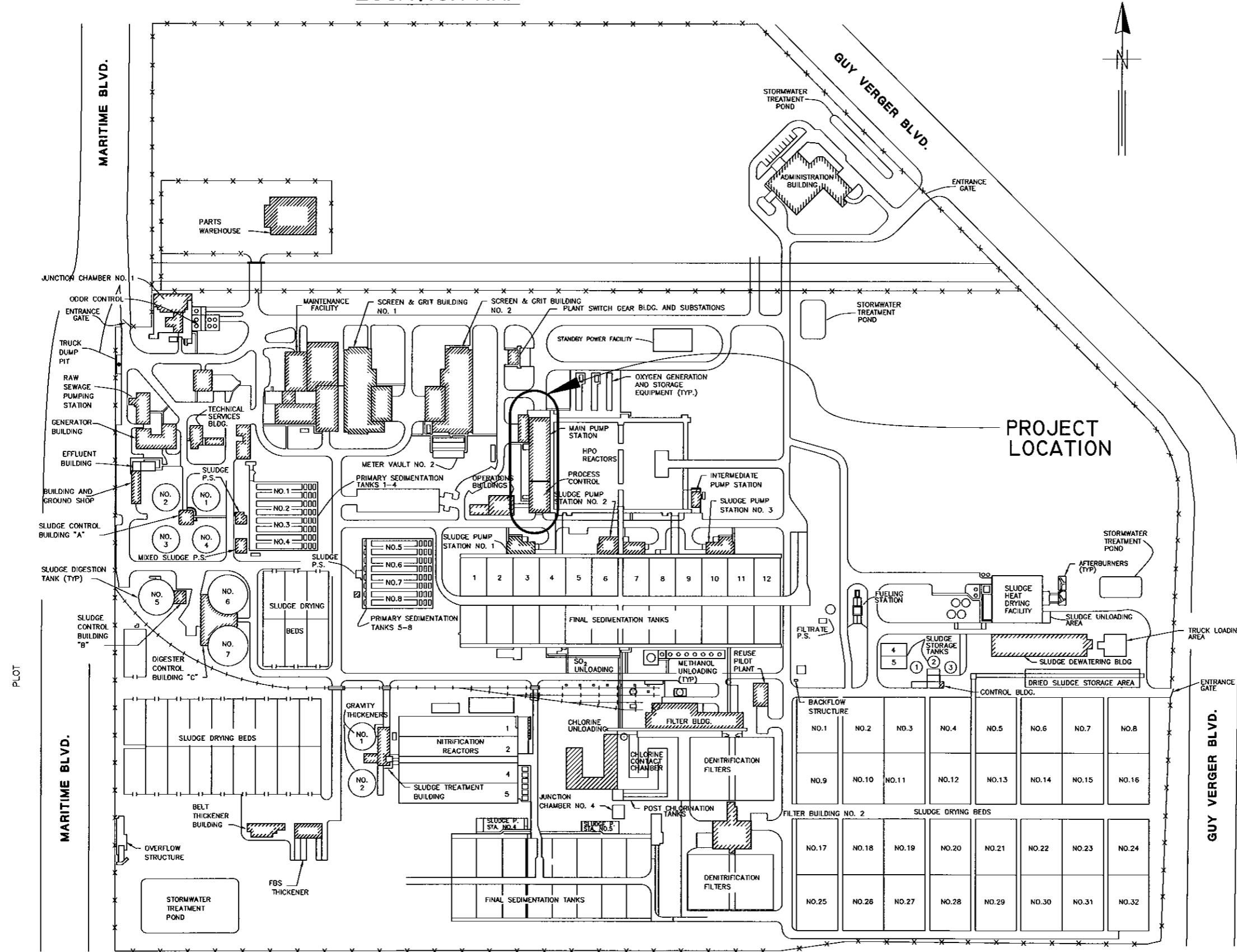
CITY of TAMPA  
WASTEWATER DEPARTMENT

COVER SHEET

LOCATION MAP

CITY OF TAMPA  
HOWARD F. CURREN  
ADVANCED WASTEWATER  
TREATMENT PLANT

2700 MARITIME BLVD.  
TAMPA, FL 33605  
(813) 247-3451  
FAX: (813) 248-5269



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CITY of TAMPA  
WASTEWATER DEPARTMENT

HFC AWTP MAIN PUMP STATION  
WET WELL REHABILITATION  
LOCATION MAP

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6	DETAILS AND NOTES

**WET WELL REHABILITATION NOTES**

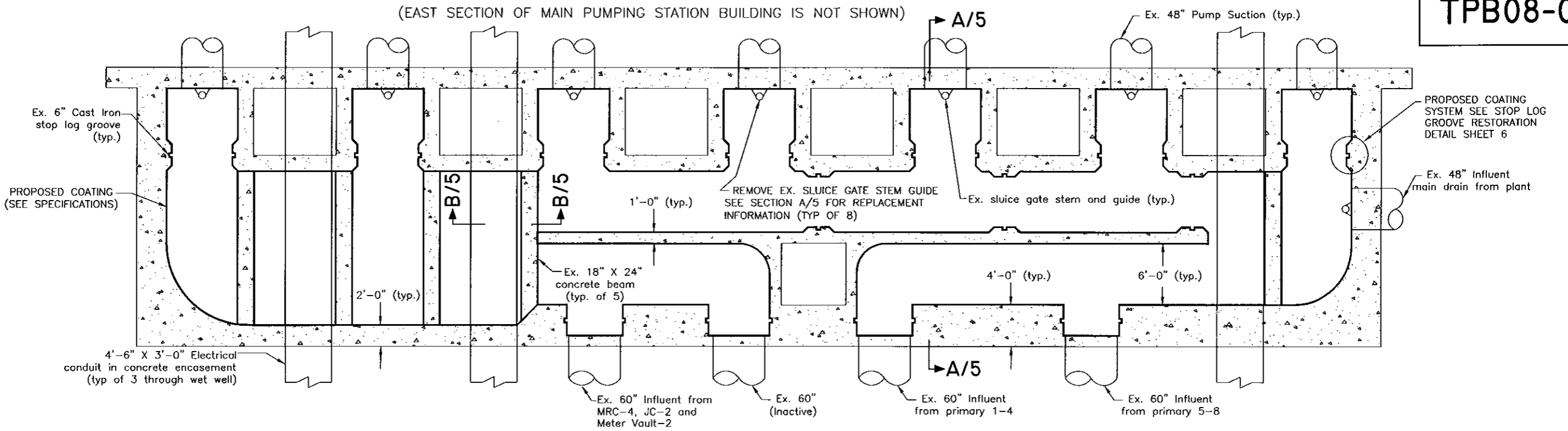
- 6) IT IS THE ENGINEER'S INTENT THAT ALL WORK ASSOCIATED WITH THE REHABILITATION OF THE WET WELL WALLS, TOP SLAB, ALL ELECTRICAL DUCT BANKS, SURFACE PREPARATION, AND APPLICATION OF THE COATING SYSTEM SHALL BE DONE WHILE THE PUMPING STATION IS IN OPERATION. TREATMENT PLANT WILL MAINTAIN A LOWER WET WELL LEVEL AS SHOWN ON THESE PLANS TO FACILITATE THE WORK. CONTRACTOR SHALL SUBMIT PROPOSED TEMPORARY SCAFFOLDING OR SIMILAR SYSTEMS NECESSARY TO COMPLETE THE WORK FOR REVIEW AND APPROVAL.
- 7) CONTRACTOR SHALL SUBMIT PROPOSED TEMPORARY SCAFFOLDING OR SIMILAR SYSTEMS NECESSARY TO COMPLETE THE WORK TO THE ENGINEER FOR REVIEW AND APPROVAL. PROPOSED SYSTEM WHETHER FREESTANDING OR FLOATING, SHALL MEET THE REQUIREMENTS OF OSHA STANDARDS SECTION - 1926.451.
- 8) CONTRACTOR SHALL MAKE ALL PROVISIONS NECESSARY TO PREVENT DEBRIS FROM FALLING INTO THE "LIVE" WET WELL DURING ALL PHASES OF THIS PROJECT. CONTRACTOR SHALL FURNISH THE ENGINEER A DETAILED PLAN DESCRIBING THE NECESSARY PROCEDURES TO CAPTURE THE DEBRIS.
- 9) CONTRACTOR SHALL CLEAN THE EXISTING WET WELL BEFORE THE COATING SYSTEM IS APPLIED BY PRESSURE WASHING WITH A MINIMUM OF 10,000 PSI PRESSURE SUCH THAT ALL DETERIORATED CONCRETE AND BUILT UP DEBRIS ARE REMOVED TO SOUND CONCRETE. CLEANING SHALL CONSIST OF REMOVING ALL DEBRIS FROM THE WET WELL WALLS AND TOP SLAB TO ELEVATION +2.50. ALL REMOVED DEBRIS CAN BE TEMPORARILY STORED AT THE TREATMENT PLANT'S SLUDGE DRYING BEDS AS DESIGNATED BY TREATMENT PLANT PERSONNEL. THE DEBRIS MUST BE REMOVED BEFORE THE END OF THE PROJECT AND DISPOSED TO AN APPROVED OFF-SITE LOCATION (SEE SPECIFICATIONS).
- 10) DURING THE REHABILITATION PROCESS, THE WET WELL SHALL BE ADEQUATELY VENTILATED AND HYDROGEN SULFIDE LEVELS IN THE WET WELL SHALL BE CONTINUOUSLY MONITORED. THE CONTRACTOR MAY ALSO UTILIZE FORCED AIR. THE CONTRACTOR SHALL BE AWARE THAT WET WELL LEVELS MAY RISE QUICKLY BEYOND THE PRESET HIGH WATER LEVEL AS A RESULT OF A POWER FAILURE IN THE BUILDING OR EQUIPMENT FAILURE.
- 11) CONTRACTOR SHALL PAINT THE EXISTING 4" DIP HVAC COOLING WATER LINE ABOVE THE TOP SLAB AND REPLACE THE EXISTING CORRODED PIPE EXTENDING THROUGH THE TOP SLAB INTO THE WET WELL. CONTRACTOR MUST SUBMIT SHOP DRAWINGS FOR APPROVAL. SEE PAINTING SECTION IN SPECIFICATIONS.
- 12) CONTRACTOR SHALL REMOVE THE 14" DIP 90° BEND (FLANGED) TO PROPERLY CLEAN AND PAINT THE INSIDE AND OUTSIDE OF ALL THE ABOVE GROUND VENTILATION PIPING. CONTRACTOR MUST SUBMIT SHOP DRAWINGS FOR APPROVAL. SEE PAINTING SECTION IN SPECIFICATIONS.
- 13) CONTRACTOR SHALL PAINT THE EXISTING SLUICE GATE ACTUATORS AND PEDESTALS, SEE PAINTING SECTION IN SPECIFICATIONS.
- 14) ALL PAINTING OF SLUICE GATE ACTUATORS, PEDESTALS AND PIPING SHALL BE APPLIED BY BRUSH OR ROLLER. NO SPRAY PAINTING SHALL BE ALLOWED.
- 15) THE DESIGNATION AND COLOR FOR THE SLUICE GATE ACTUATORS, PEDESTALS AND PIPING SHALL BE FASHION GREY - PPG/PORTER #PC815
- 16) DURING THE REMOVAL OF THE EXISTING SLUICE GATE STEM GUIDE CONTRACTOR SHALL REMOVE ALL SUPPORTS FLUSH TO THE WET WELL WALLS INTERIOR SURFACE. ALL PROTRUDING ANCHORS SHALL BE CUT, GROUND BACK A MIN 1/2", AND FILLED WITH EPOXY.
- 17) IT IS NOT NECESSARY TO INSTALL THE PROPOSED SLUICE GATE STEM GUIDES IN THE EXACT LOCATION OF THE EXISTING GUIDES. THE NEW SLUICE GATE STEM GUIDES SHALL BE INSTALLED WITHIN CLOSE PROXIMITY TO THE EXISTING GUIDES.

**GENERAL NOTES**

- 1) CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL FIELD MEASUREMENTS AND VERIFYING THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING PIPING, STRUCTURES, AND OTHER FEATURES AFFECTING HIS WORK PRIOR TO SUBMITTAL OF SHOP DRAWINGS OR STARTING CONSTRUCTION.
- 2) OSHA STANDARD SAFETY EQUIPMENT SUCH AS SAFETY HARNESES, GAS MONITORS, LOWER EXPLOSIVE LIMIT (LEL) DETECTORS, BREATHING APPARATUS, ETC. SHALL BE UTILIZED WHERE THE WORK DICTATES THEIR USE.
- 3) ALL ITEMS DESIGNATED FOR REMOVAL SHALL BE REMOVED AND EITHER DELIVERED TO THE HOWARD F. CURREN TREATMENT PLANT'S WAREHOUSE OR PROPERLY DISPOSED OF BY THE CONTRACTOR AS DIRECTED BY TREATMENT PLANT PERSONNEL.
- 4) ALL HARDWARE FOR THE SLUICE GATE STEM GUIDE AND ALUMINUM ACCESS COVERS INCLUDING BOLTS, EXPANSION ANCHORS, WASHERS, NUTS, ETC. SHALL BE 316 STAINLESS STEEL UNLESS OTHERWISE SPECIFIED.
- 5) CONTRACTOR SHALL BE RESPONSIBLE FOR UNFASTENING ALL BOLTED ALUMINUM ACCESS COVERS TO HAVE ACCESS TO THE WET WELL. AFTER EACH WORKDAY, THE ACCESS OPENINGS SHALL BE SECURELY COVERED BY A MEANS APPROVED BY THE ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR PERMANENTLY REINSTALLING THE EXISTING ALUMINUM ACCESS COVERS, AFTER COMPLETION OF THE WET WELL REHABILITATION. CONTRACTOR SHALL REPLACE ANY ACCESS COVERS AND NECESSARY HARDWARE THAT MAY BE DAMAGED DURING REMOVAL, IN KIND, REFER TO DETAIL ON SHEET 6.

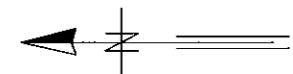
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JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	No.	DATE	REVISIONS	DES: CB DRN: MRL CKD: JF DATE: 4/7/08	CITY of TAMPA WASTEWATER DEPARTMENT	HFC AWTP MAIN PUMP STATION WET WELL REHABILITATION NOTES & LEGEND	W.O. 5009 SHEET <b>3</b> OF 6
	3						
	2						
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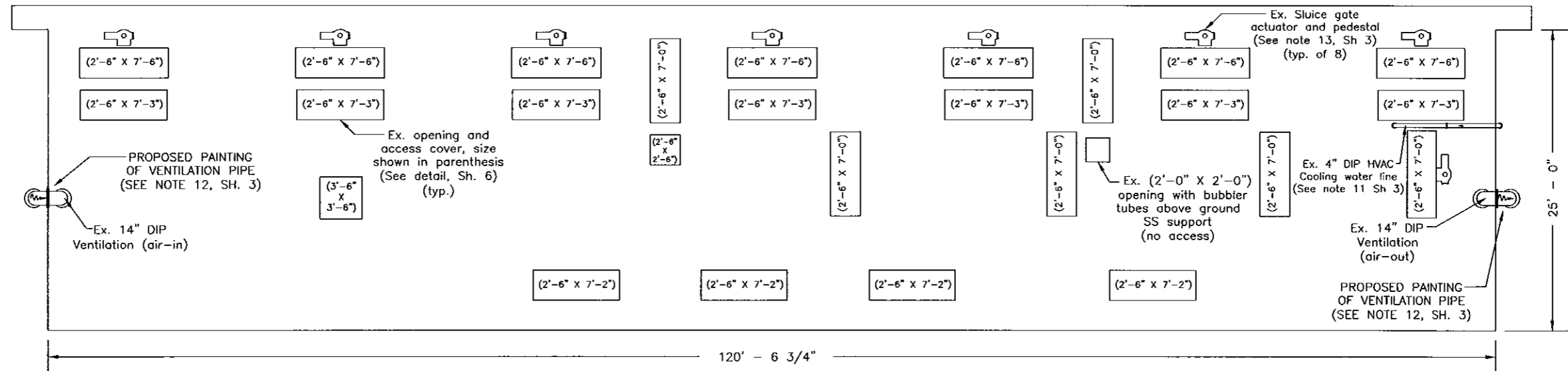


**WET WELL - PLAN EL. + 11'0"**

3/32" = 1'-0"

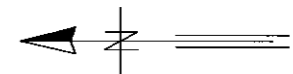


(EAST SECTION OF MAIN PUMPING STATION BUILDING IS NOT SHOWN)



**ACCESS COVER - PLAN EL. + 12'1"**

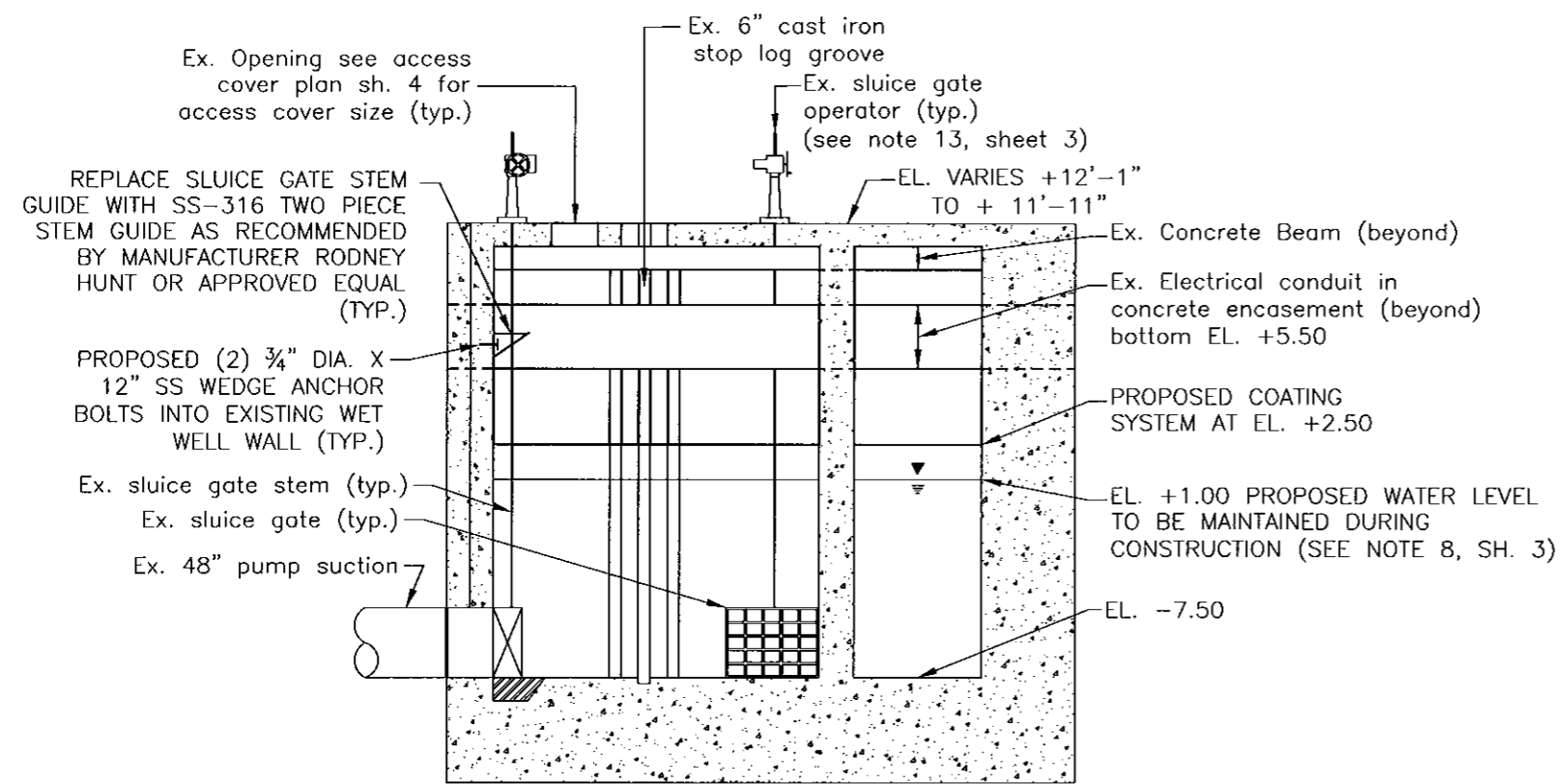
3/32" = 1'-0"



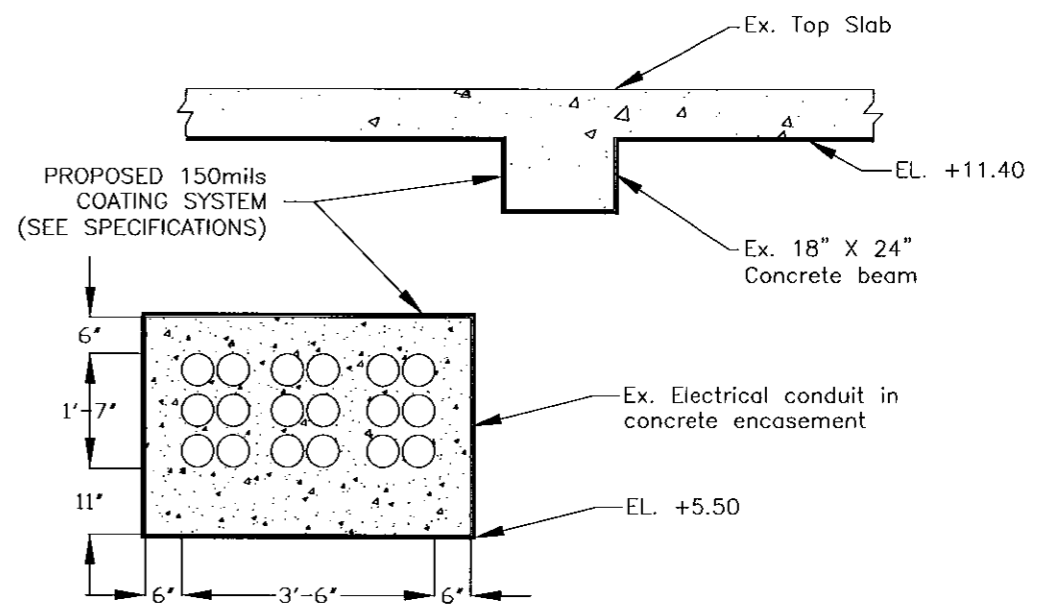
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JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	No.	DATE	REVISIONS	DES: CB DRN: MRL CKD: JF DATE: 4/7/08	<b>CITY of TAMPA</b> WASTEWATER DEPARTMENT	HFC AWTP MAIN PUMP STATION WET WELL REHABILITATION WET WELL AND TOP SLAB PLAN	W.O. 5009
	3						SHEET
	2						<b>4</b>
	1						OF 6

User: ss8k Drawing Name: K:\micah\autocad\DESIGN WORK\CASSIDY\HFC\AWT MAIN PS REHAB 5009\DWGS\TPB08-001-006 AWT MAIN PS WET WELL.dwg Layout - SECTION DETAILS, Apr 07, 2008 - 3:23pm



**SECTION A/4**  
1/8" = 1'-0"



**SECTION B/4**  
3/8" = 1'-0"

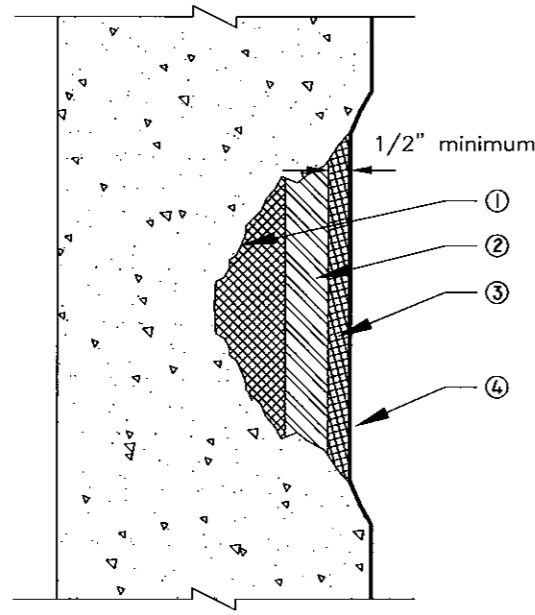
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**CITY of TAMPA**  
WASTEWATER DEPARTMENT

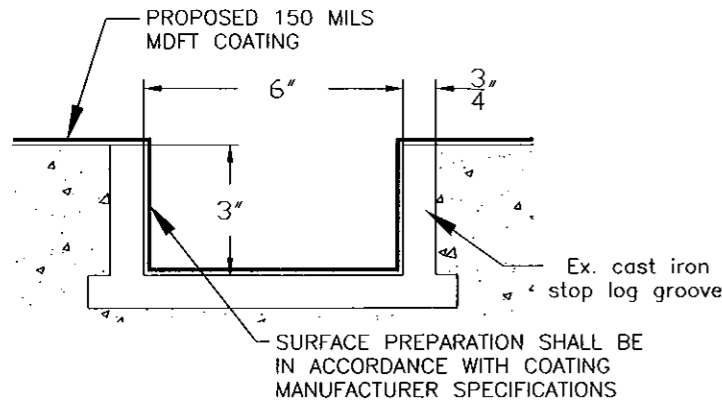
**HFC AWT MAIN PUMP STATION  
WET WELL REHABILITATION  
SECTION DETAILS**

W.O. 5009  
SHEET  
**5**  
OF 6

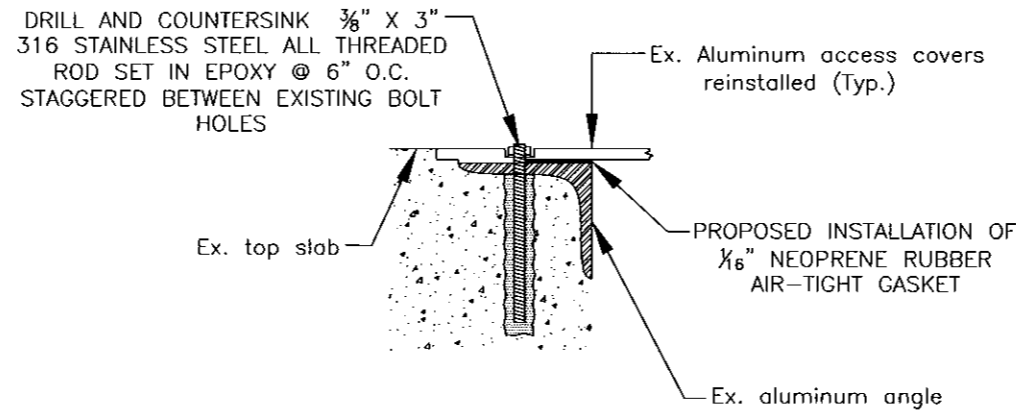


CONCRETE RESTORATION DETAIL  
NOT TO SCALE

- ① REMOVE ALL LOOSE AND DETERIORATED CONCRETE TO STRUCTURALLY SOUND CONCRETE. PREPARE SURFACE AS INSTRUCTED BY COATING SYSTEM MATERIAL MANUFACTURER.
- ② EXPOSED #7 REINFORCING STEEL SHALL BE CLEANED AND PREPARED THOROUGHLY BY BLAST CLEANING AND COATED WITH CORROSION INHIBITOR. (SIKA ARMATIC 110 EPOCHEM OR APPROVED EQUAL)
- ③ FILL VOIDS OF DETERIORATED CONCRETE SECTIONS WITH REPAIR MATERIAL (SIKATOP 123 PLUS OR APPROVED EQUAL) IN ACCORDANCE WITH THE SPECIFICATIONS AND MANUFACTURER'S INSTRUCTIONS.
- ④ PROPOSED 150 MILS MDFT COATING. (SEE SPECIFICATIONS)



CAST IRON STOP LOG GROOVE RESTORATION DETAIL  
NOT TO SCALE

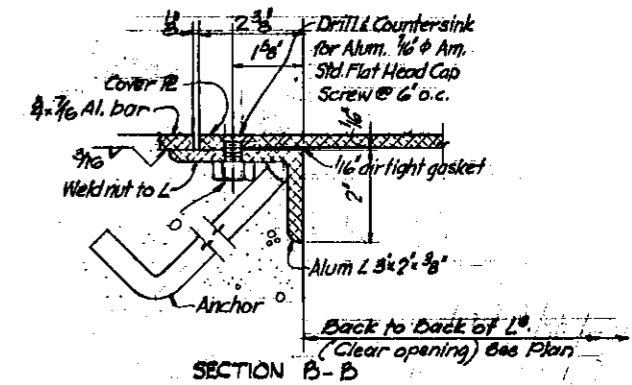


PROPOSED ALUMINUM ACCESS COVER RE-INSTALLATION DETAIL  
NOT TO SCALE

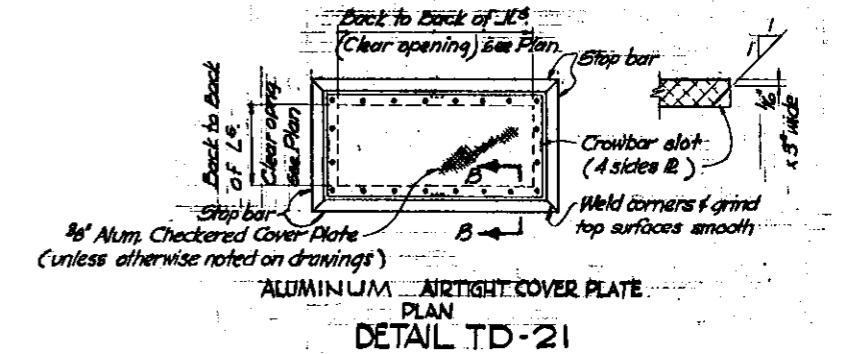
NOTE: CONTRACTOR SHALL REMOVE ALL EXISTING ACCESS COVER ANCHORS FLUSH TO THE TOP SLAB. ALL PROTRUDING ANCHORS SHALL BE CUT, GROUND BACK A MIN. 1/2" AND FILLED W/EPOXY

### CONCRETE REHABILITATION NOTES

1. ALL EXISTING CONCRETE SURFACES OF WET WELL SHALL BE PRESSURE WASHED WITH A MINIMUM OF 10,000 PSI PRESSURE. SUCH THAT ALL DETERIORATED CONCRETE AND BUILT-UP DEBRIS ARE REMOVED TO SOUND CONCRETE. CERTAIN SECTIONS MAY REQUIRE MECHANICAL REMOVAL METHODS SUCH AS CHIPPING, BRUSHING, ETC. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF THE REMOVED MATERIAL. (REFER TO NOTE 8, SHEET 3)
2. AFTER THE WET WELL HAS BEEN THOROUGHLY CLEANED, AND ALL CONCRETE RESTORATION HAS BEEN COMPLETED, ALL SURFACES, APPROXIMATELY 8300SF, SHALL BE COATED WITH COATING SYSTEM OR APPROVED EQUAL. COATING SHALL BE APPLIED IN STRICT ACCORDANCE WITH SPECIFICATIONS AND MANUFACTURER'S INSTRUCTIONS.
3. THE CONCRETE REPAIR WORK WILL BE PAID FOR UNDER SEPARATE PAY ITEMS PER SQUARE FOOT BY DEPTH OF REPAIR. THE COATING WILL BE PAID FOR UNDER SEPARATE PAY ITEMS PER SQUARE FOOT.
4. IT IS NOT THE ENGINEERS INTENT TO RESTORE THE ORIGINAL PROFILE OF THE EXISTING WALL.



SECTION B-B



ALUMINUM AIRTIGHT COVER PLATE  
PLAN  
DETAIL TD-21

EXISTING ALUMINUM COVER PLATE DETAIL  
(NO NEW INFORMATION SHOWN ON THIS DETAIL)  
NOT TO SCALE

User: ss8k Drawing Name: K:\micah\autocad\DESIGN WORK\CASSIDY\HFC\AWT\TPB08-001-006 AWT MAIN PS WET WELL.dwg Layout - DETAILS, Apr 07, 2008 - 3:23pm

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CITY of TAMPA  
WASTEWATER DEPARTMENT

HFC AWT MAIN PUMP STATION  
WET WELL REHABILITATION  
DETAILS

W.O. 5009  
SHEET  
6  
OF 6