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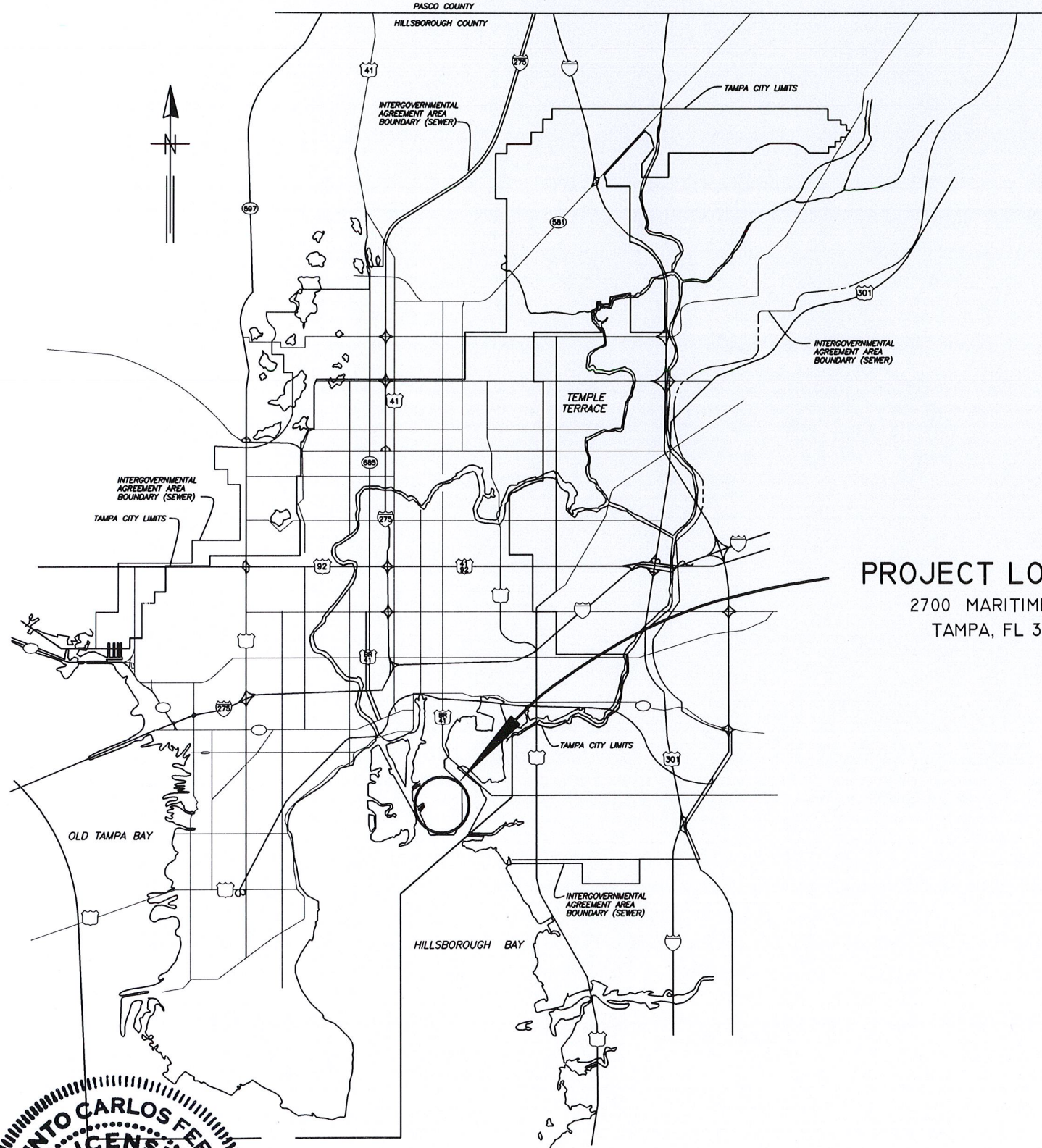
Please Email ALL Questions:

[MailTo:ContractAdministration@TampaGov.net](mailto:ContractAdministration@TampaGov.net)

Please Let Us Know If You Plan To Bid

City of Tampa
Contract Administration Department
306 E. Jackson St. #280A4N
Tampa, FL 33602
(813)274-8456

LOCATION MAP



CITY of TAMPA



PROJECT LOCATION
2700 MARITIME BLVD.
TAMPA, FL 33605

WASTEWATER DEPARTMENT

PLANS FOR

HOWARD F. CURREN AWTP
SLUDGE DRYING BEDS NO 24
AND NO 32 REHABILITATION

CONTRACT No.
15-C-00023



No.	DATE	REVISIONS
3		
2		
1		

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DRN: MRL
CKD:
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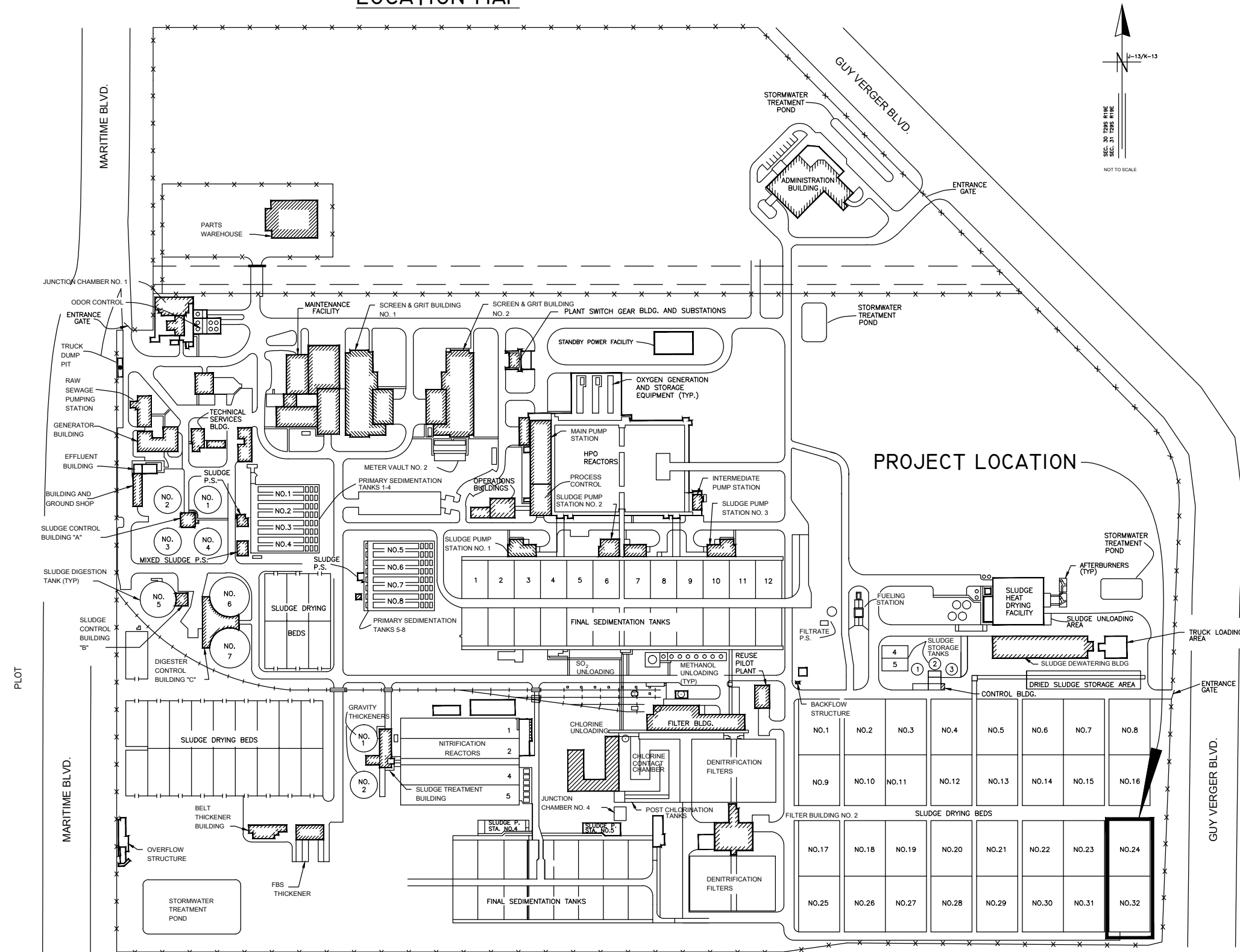
CITY of TAMPA
WASTEWATER DEPARTMENT

HOWARD F. CURREN AWTP SLUDGE DRYING
BEDS NO 24 AND NO 32 REHABILITATION
Cover Sheet

0000396
SHEET
1
OF 8

User: ssBk Drawing Name: K:\Wastewater Projects\Sludge Drying Bed Rehabilitation, Phase 1\ drying beds ph 1\sludge Drying Bed Rehabilitation Ph 1.dwg
Layout- Dec 10, 2015 - 12:00pm CTB - WW-TOSHIBA.CTB

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

PROJECT LOCATION

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8	TYPICAL EXISTING SECTIONS AND DETAILS

User: ss8k Drawing Name: K:\Wastewater Projects\Sludge Drying Bed Rehabilitation, Phase 1\sludge drying beds ph 1\sludge drying beds ph 1.dwg Layout- Dec 10, 2015 - 12:12pmCTB - MW-TOSHIBA.CTB

JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

No.	DATE	REVISIONS
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CITY of TAMPA
WASTEWATER DEPARTMENT

HOWARD F. CURREN AWTP SLUDGE DRYING
BEDS NO 24 AND NO 32 REHABILITATION
Location Map & Index

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GENERAL NOTES

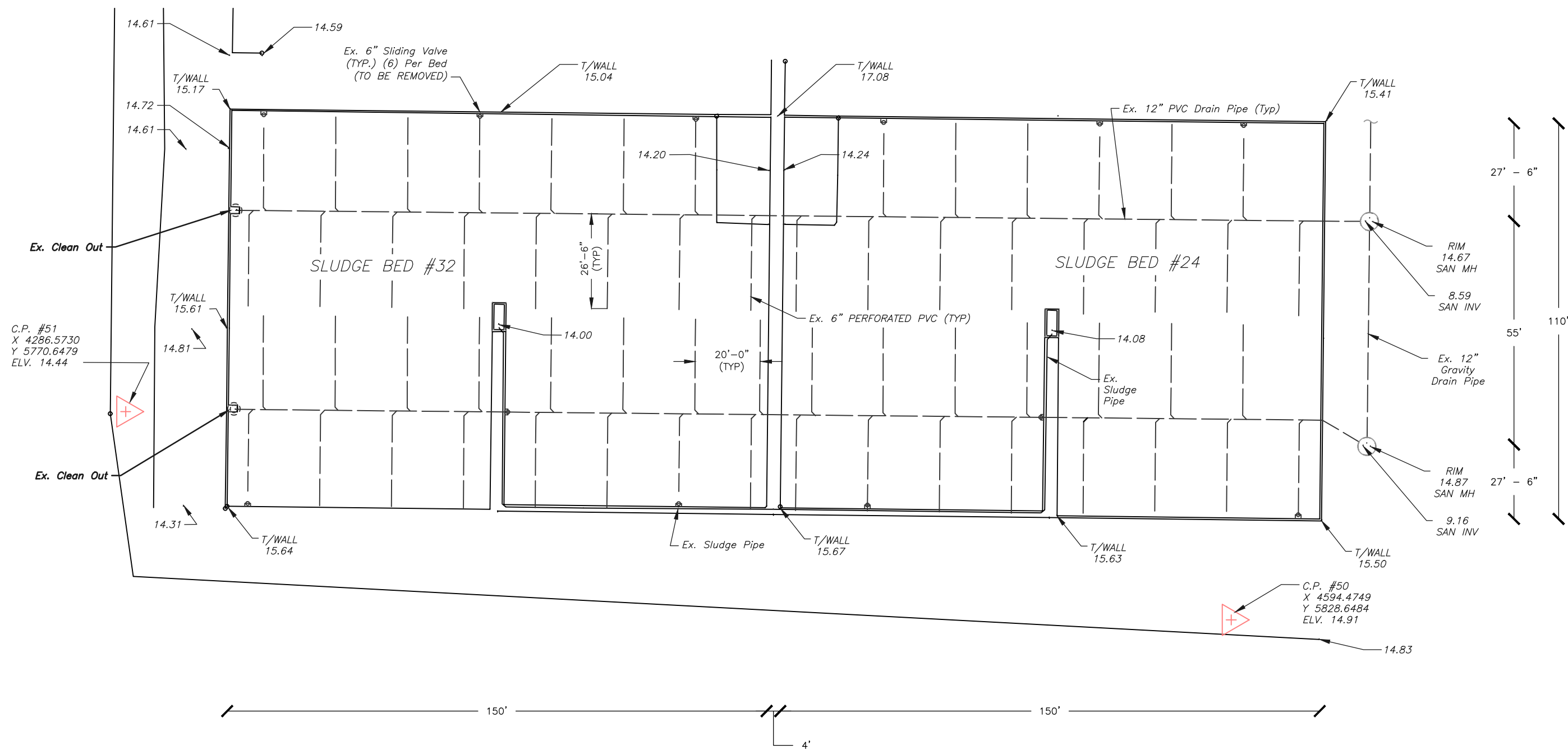
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL FIELD MEASUREMENTS AND VERIFYING THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING STRUCTURES AND OTHER FEATURES AFFECTING HIS WORK PRIOR TO SUBMITTAL OF SHOP DRAWINGS OR STARTING CONSTRUCTION.
2. ALL PROPOSED PIPING AND FITTINGS SHALL BE GREEN PVC SDR-35 PIPE IN ACCORDANCE WITH ASTM D3034 UNLESS OTHERWISE NOTED. THERE WILL BE NO LEAKAGE OR DEFLECTION TESTING REQUIRED. PIPE SHALL BE INSTALLED IN ACCORDANCE WITH PIPE MANUFACTURER AND UNIBELL RECOMMENDATIONS.
3. THE BOTTOM (2) LAYERS (MEDIUM & COARSE GRAVEL) OF EXISTING DRYING BED MEDIA SHALL BE REMOVED & STOCK PILED CLOSE TO THE SITE AS DESIGNATED BY THE CITY. THE CONTRACTOR IS RESPONSIBLE OF REMOVING AND SAFELY DISPOSING OF THE TOP (2) LAYERS (FINE & COARSE SAND) OF EXISTING DRYING BED MEDIA.
4. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE OSHA SAFETY REGULATIONS.
5. THE PROPOSED DRYING BED MEDIA SHALL BE COMPACTED AFTER EACH LAYER HAS BEEN LAID.
6. CONTRACTOR SHALL CONNECT TO ALL EXISTING PIPES WITH A STAINLESS STEEL 5000 SERIES FERNCO SHIELDED COUPLING OR APPROVED EQUAL.
7. FILTER FABRIC SHALL BE GEOTEX401 OR APPROVED EQUAL. FILTER FABRIC SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
8. DRYING BED MEDIA: (SEE SPECIFICATIONS FOR MORE INFO)
 - 8.1. "FINE SAND" LAYER SHALL BE 10" THICK AND CONSIST OF CLEAN LAKE RIVER SAND OR PLASTERING SAND TO ASTM C 35 STANDARDS
 - 8.2. "COARSE SAND" LAYER SHALL BE 3" THICK AND CONSIST OF 1/4" TO 1/16" CLEAN LAKE/RIVER SAND
 - 8.3. "MEDIUM GRAVEL" LAYER SHALL BE 6" THICK AND CONSIST OF 7/8" TO 1/4" LAKE/RIVER GRAVEL
 - 8.4. "COARSE GRAVEL" LAYER SHALL BE 6" THICK AND CONSIST OF 2" TO 7/8" LAKE/RIVER GRAVEL
9. CONTRACTOR SHALL INSTALL THE 12" MAINLINE TO MATCH EXISTING SLOPE AND CONNECT TO EXISTING INVERTS AT EACH END.
10. CONTRACTOR SHALL INSTALL 6" PERFORATED LATERALS WITH A MIN 1% SLOPE.
11. ALL HARDWARE, STRAPS, SUPPORTS, ETC SHALL BE 316 STAINLESS STEEL.
12. ELEVATION INFORMATION SHOWN ON THESE PLANS IS REFERENCED TO NGVD29
13. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 5TH EDITION 2014 , AND CHAPTER 5 OF THE CITY OF TAMPA CODE
14. CONCRETE SHALL BE CLASS "B" (4,000 PSI @ 28 DAYS) AND REINFORCING STEEL SHALL BE GRADE 60.

PROJECT SCOPE

FURNISH AND PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT TO RECONSTRUCT SLUDGE DRYING BEDS NO. 24 AND NO. 32 AT THE HOWARD F. CURREN AWTP AS SHOWN ON THE PLANS. REMOVE AND REPLACE DRAINAGE LATERALS (6") AND DRAINAGE MAIN LINES (12"). REMOVE AND REPLACE APPROXIMATELY 30,000 SQUARE FEET (4 LAYERS) OF FILTERING MEDIA AND FABRIC.

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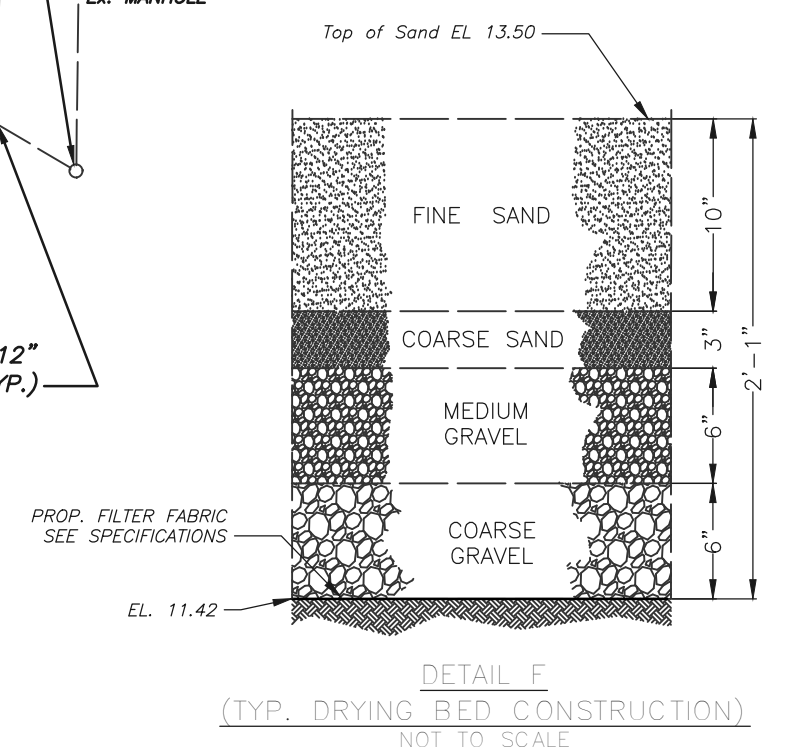
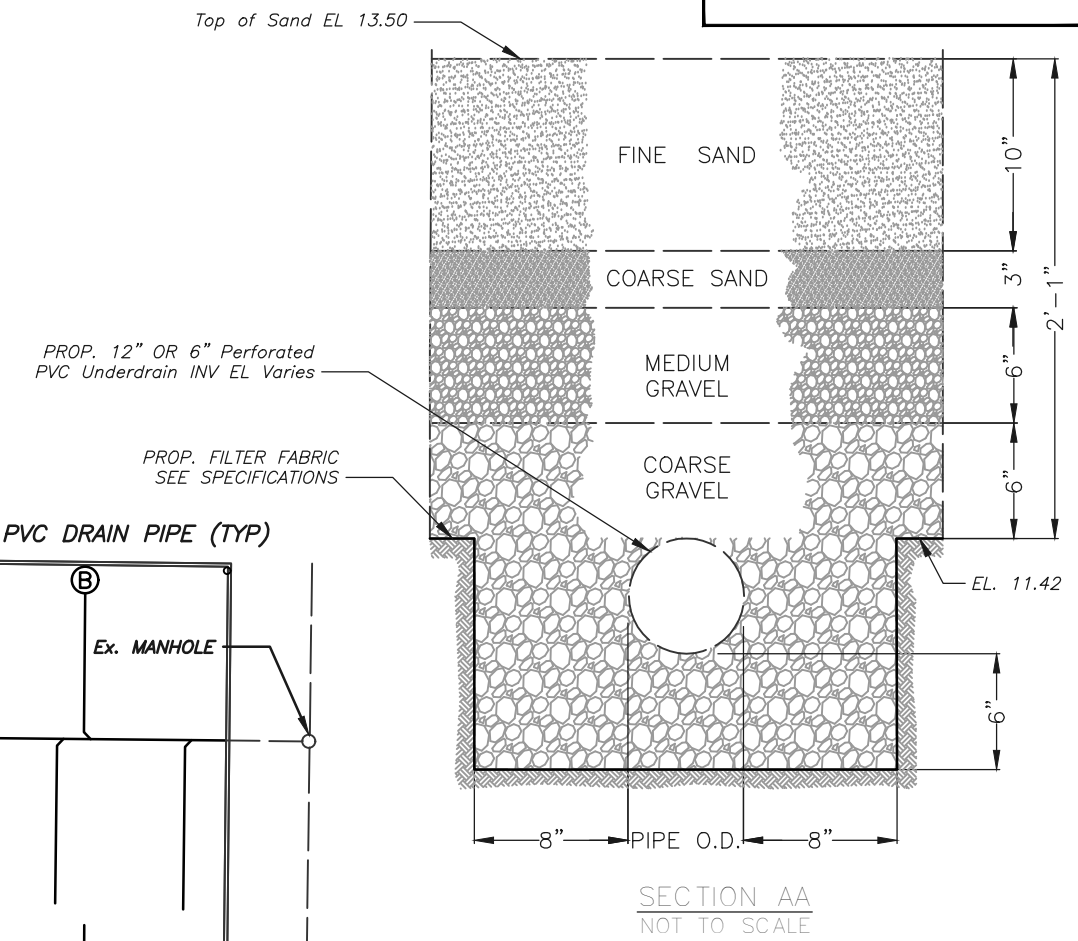
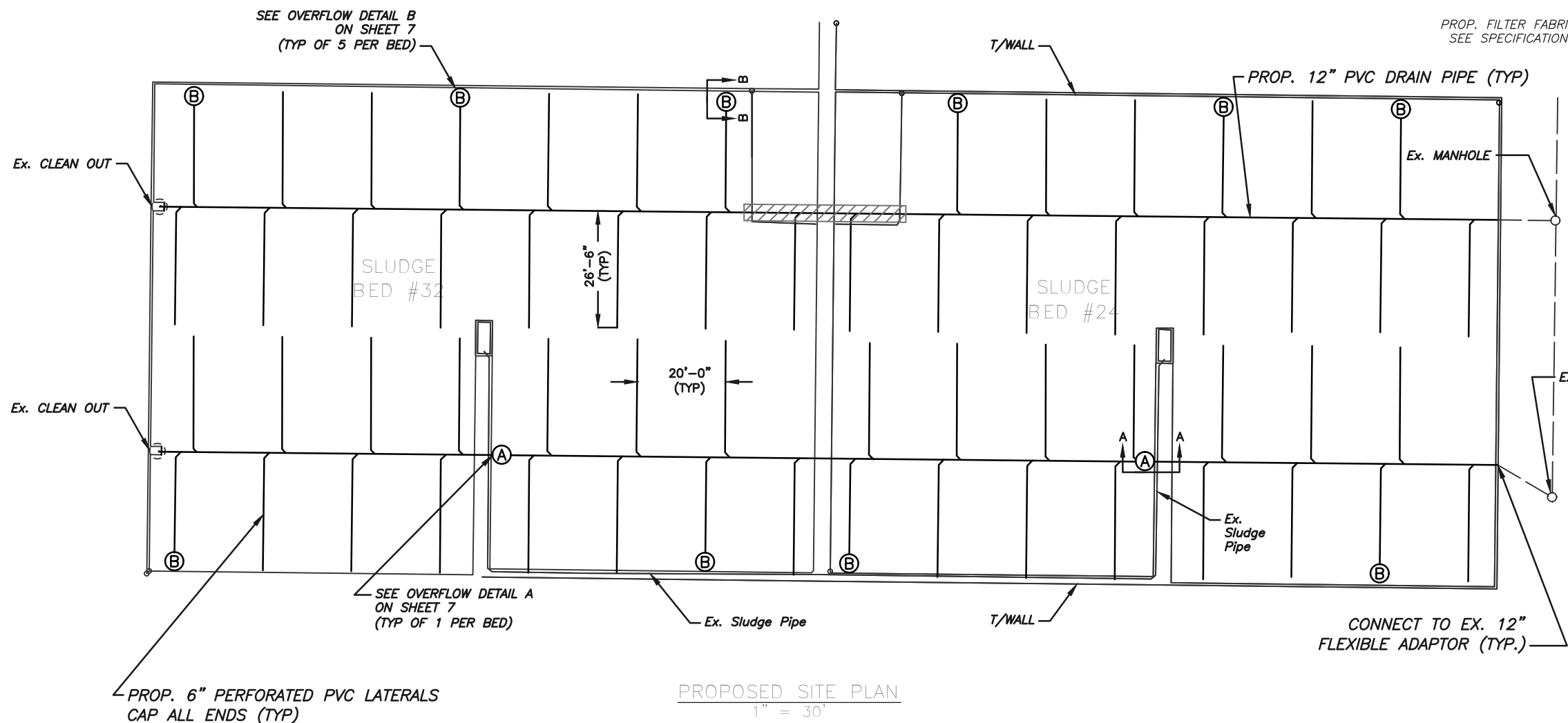
JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	No.	DATE	REVISIONS	DES: MS	CITY of TAMPA WASTEWATER DEPARTMENT	HOWARD F. CURREN AWTP SLUDGE DRYING BEDS NO 24 AND NO 32 REHABILITATION General Notes	0000396
	3			DRN: MRL			SHEET
	2			CKD:			3
	1			DATE:			OF 8



EXISTING SITE PLAN
SCALE: 1" = 30'

JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	No.	DATE	REVISIONS	DES: MS	CITY of TAMPA WASTEWATER DEPARTMENT	HOWARD F. CURREN AWTP SLUDGE DRYING BEDS NO 24 AND NO 32 REHABILITATION EXISTING SITE PLAN	0000396
	3			DRN: MRL			SHEET
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	1			DATE:			OF 8

COT ATLAS K-14
SEC 32 T29S R19E



= HATCH INDICATES 40 LF ± OF 12" PVC DRAIN PIPE UNDER RAMP TO REMAIN. CONNECT AT EACH END AND TO THE EX. 6" LATERALS WITH FLEXIBLE ADAPTERS. (TYP)

JACINTO CARLOS FERRAS, P.E. #49454
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CITY of TAMPA
WASTEWATER DEPARTMENT

HOWARD F. CURREN AWTP SLUDGE DRYING BEDS NO 24 AND NO 32
REHABILITATION

PROPOSED SITE PLAN

0000396
SHEET
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SLUDGE BED 32 (SOUTHEAST CORNER LOOKING NORTHWEST)



SLUDGE BED 24 (NORTHWEST CORNER LOOKING SOUTHEAST)



SLUDGE BED 24 (NORTHEAST CORNER LOOKING SOUTHWEST)



SLUDGE BED 32 (SOUTHWEST CORNER LOOKING NORTHEAST)

User: ss8k Drawing Name: K:\Wastewater Projects\Sludge Drying Bed Rehabilitation, Phase 1\Survey beds.ph 1\SURVEY.dwg Layout- Dec 10, 2015 - 10:00amCTB - WW-TOSHIBA.CTB TOSHIBA_UNL_COLOR (NORTH WING)

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#49454 DESIGN DIVISION HEAD
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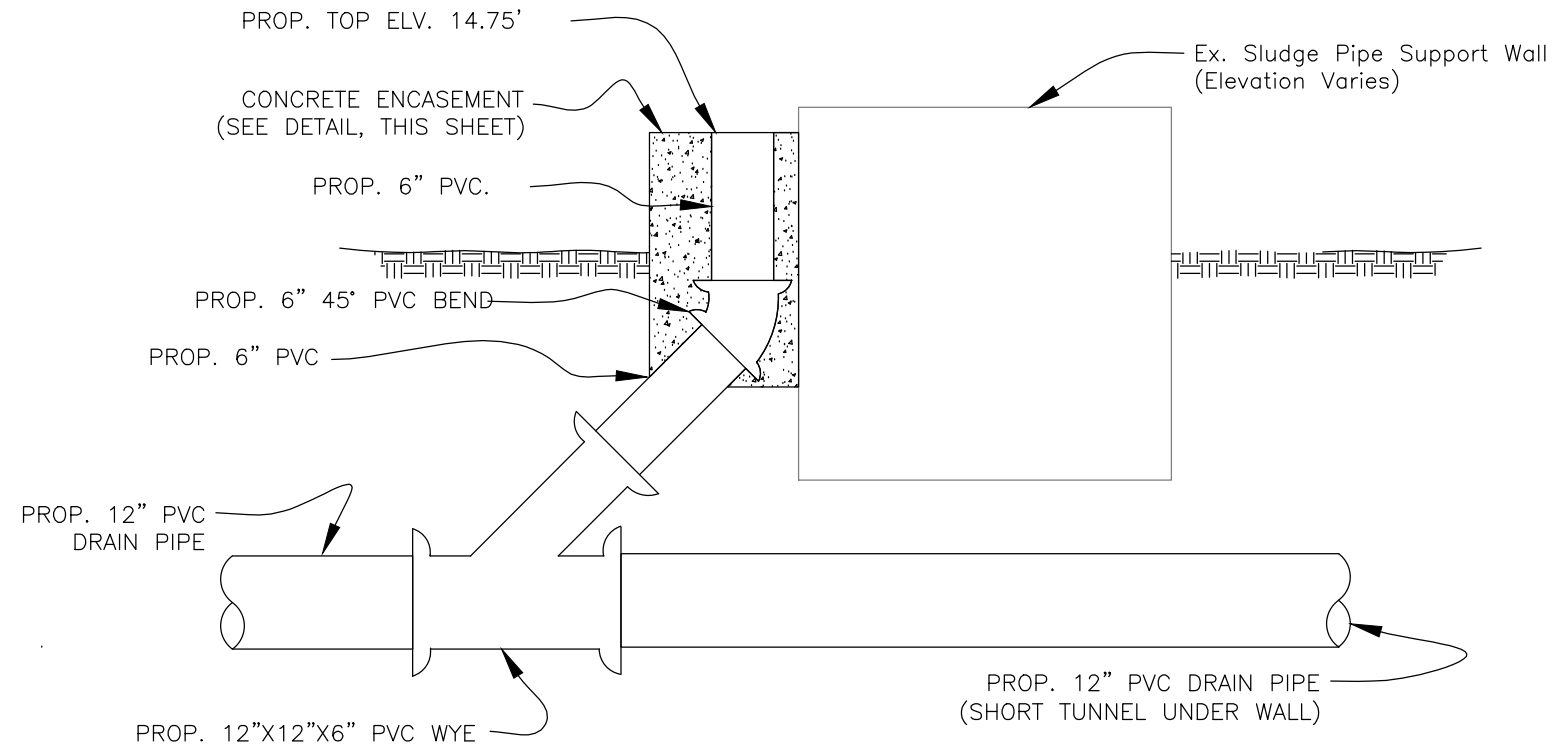
CITY of TAMPA
WASTEWATER DEPARTMENT

HOWARD F. CURREN AWTP SLUDGE DRYING
BEDS NO 24 AND NO 32 REHABILITATION

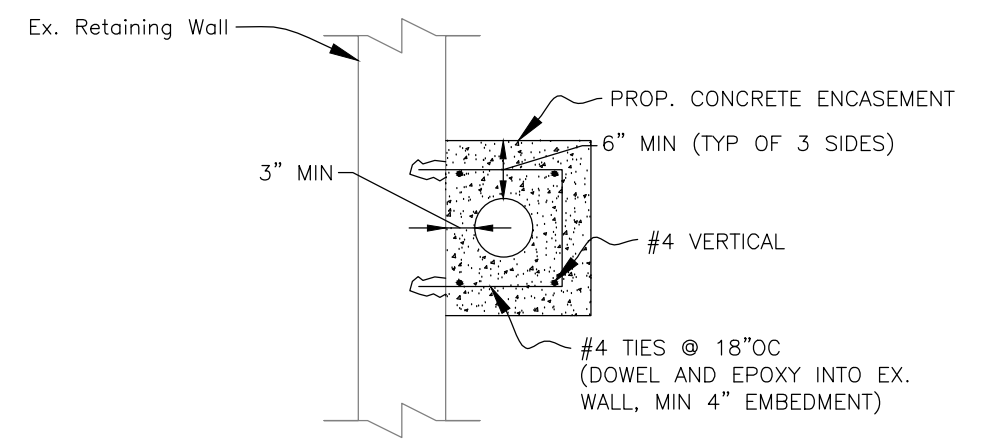
EXISTING CONDITION

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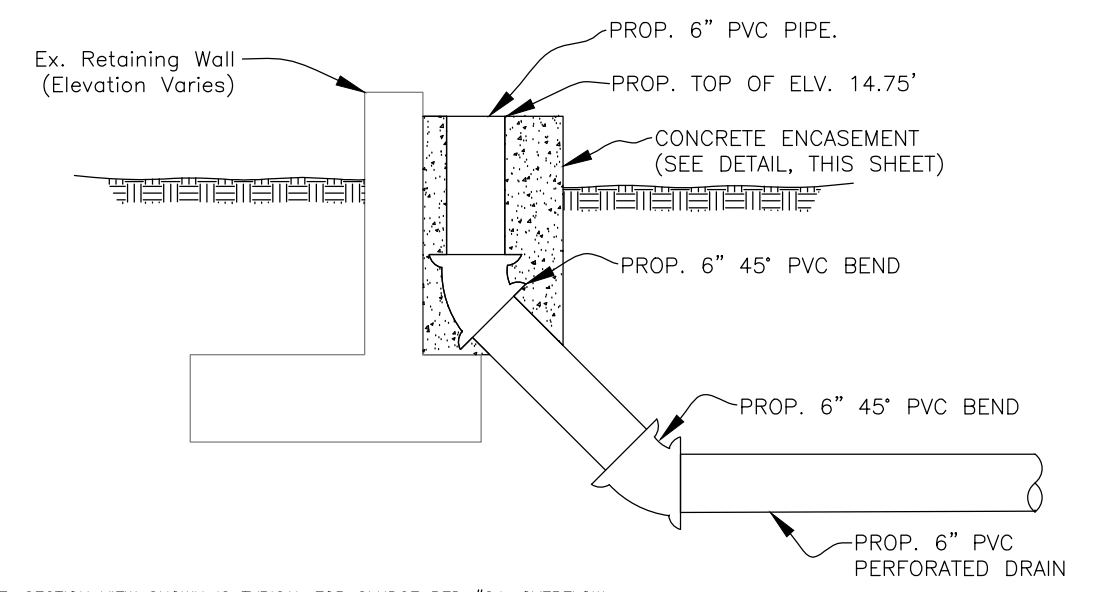
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TYPICAL OVERFLOW DETAIL A
(1 PER BED) SECTION VIEW
NOT TO SCALE



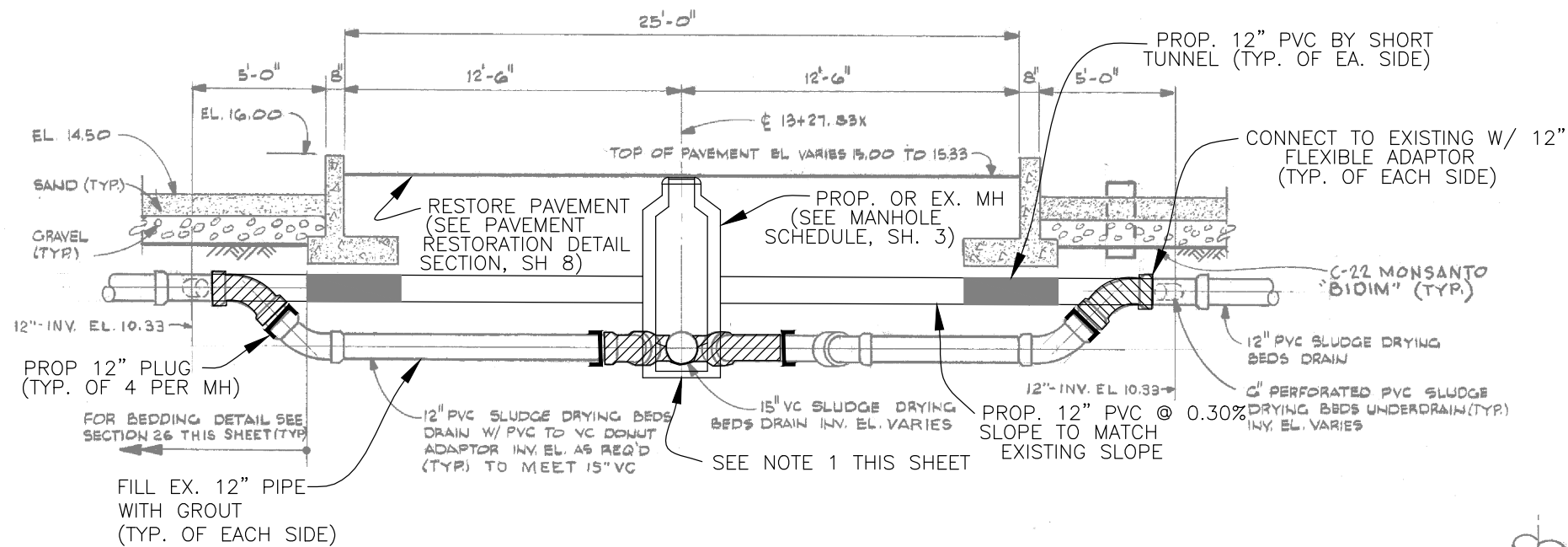
PLAN VIEW - TYPICAL CONCRETE ENCASEMENT
NOT TO SCALE



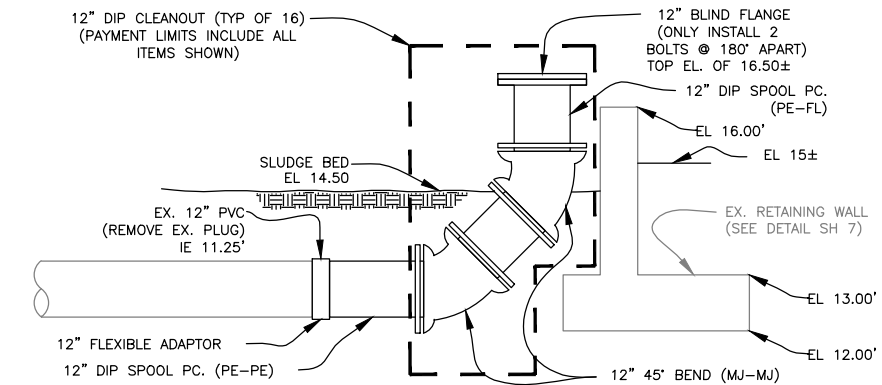
NOTE: SECTION VIEW SHOWN IS TYPICAL FOR SLUDGE BED #24. OVERFLOW CONFIGURATION FOR SLUDGE BED #32 SHOULD BE MIRRORED.

TYPICAL OVERFLOW DETAIL B
(5 PER BED) SECTION VIEW
NOT TO SCALE

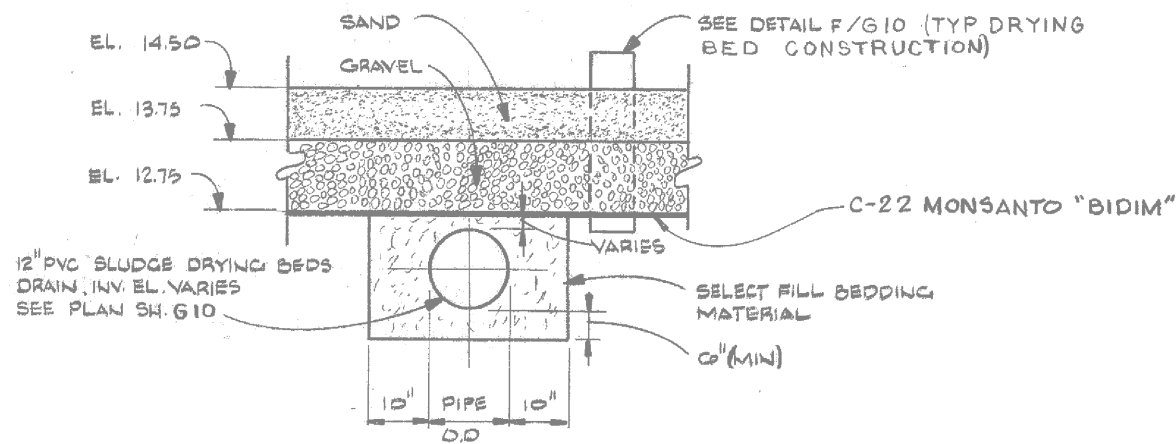
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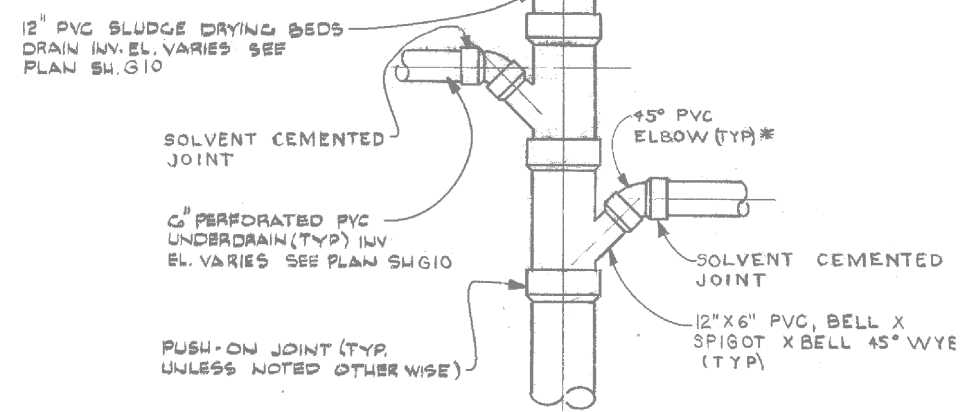
DETAIL "A"
NTS



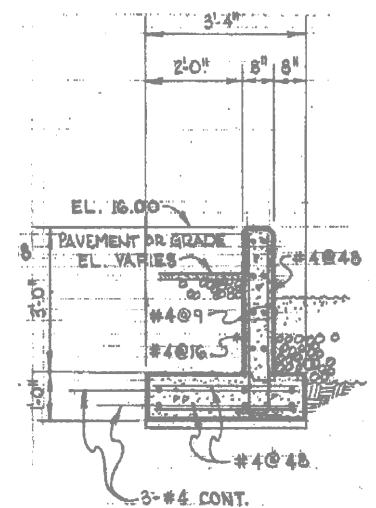
SECTION VIEW
CLEANOUT DETAIL
NTS



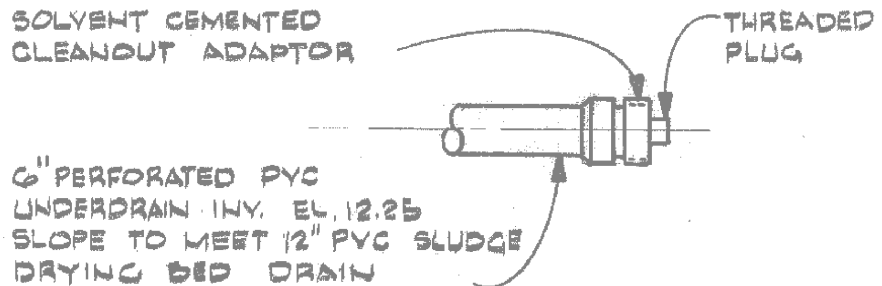
SECTION VIEW
EX. PIPE BEDDING DETAIL
NTS



PLAN VIEW
EX. 12"X6" WYE PLAN VIEW
NTS



SECTION VIEW
EX. RETAINING WALL DETAIL
NTS



EX. 6" PVC TERMINATION DETAIL
NTS

ALL VIEWS SHOWN ON THIS SHEET ARE EXISTING AND PROVIDED FOR REFERENCE PURPOSES ONLY.

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