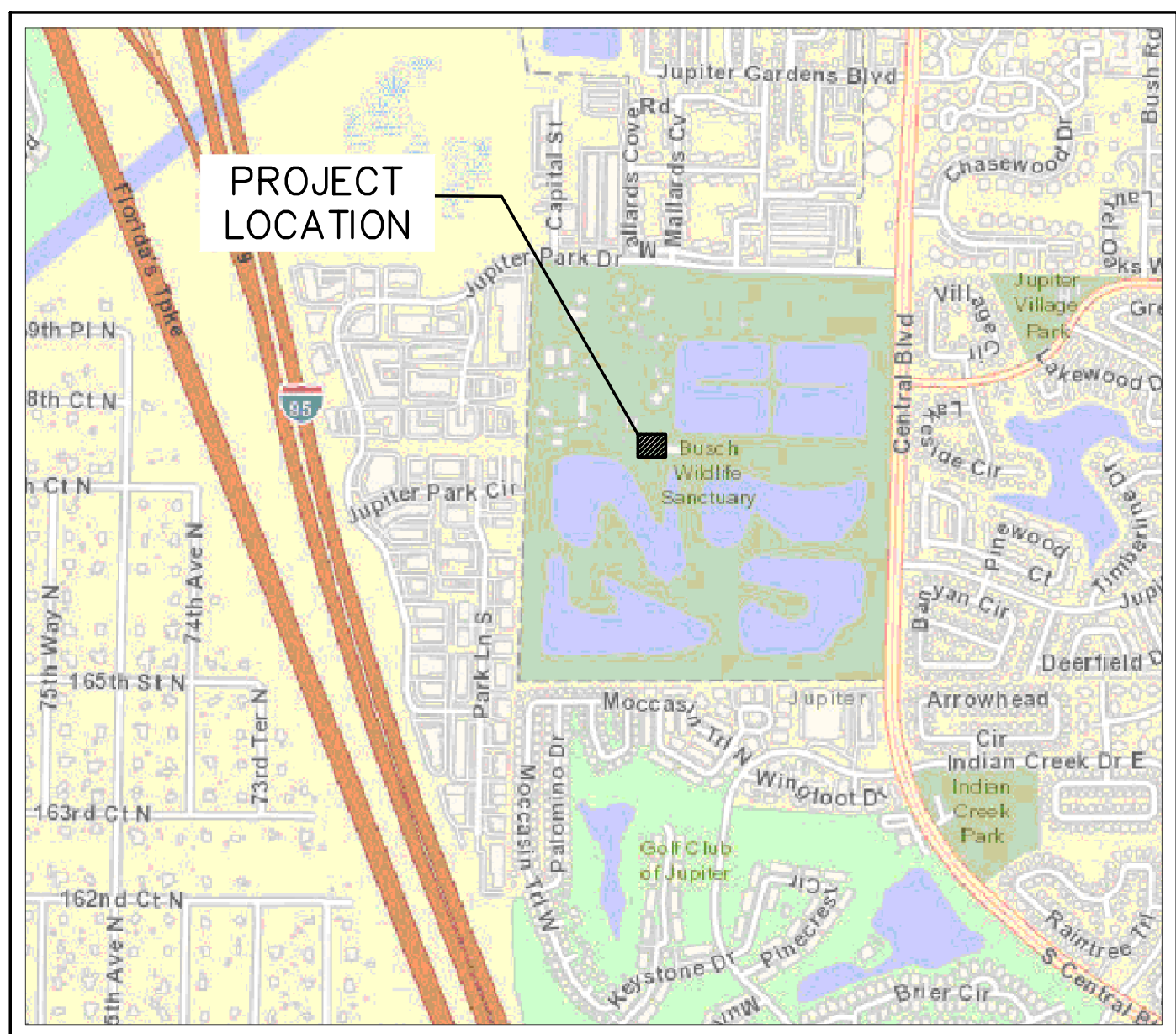
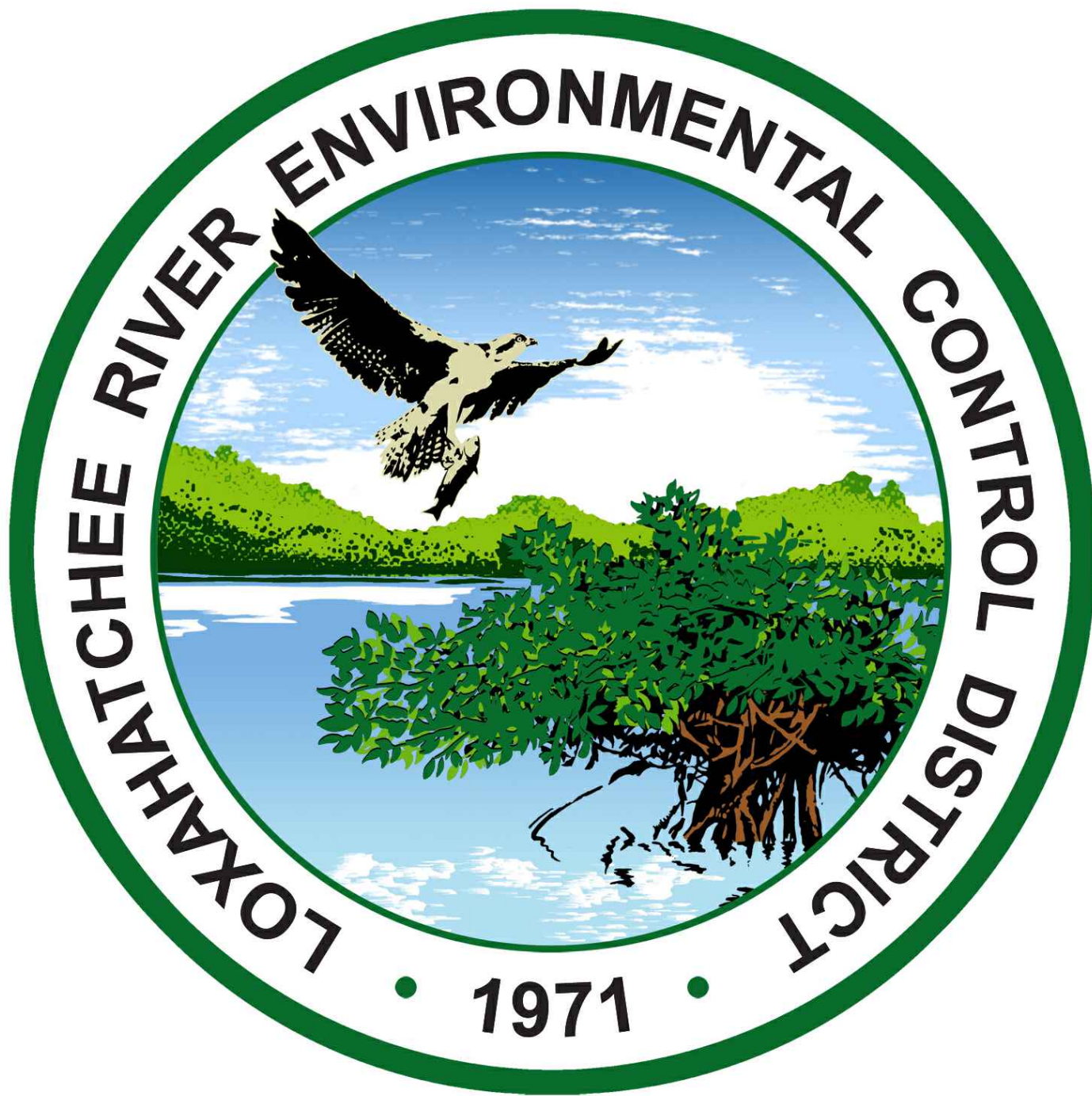


LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT VACUUM TRUCK DUMP PIT IMPROVEMENT



VICINITY MAP
NOT TO SCALE

LOCATED IN: SECTION 10, TOWNSHIP 41 SOUTH, RANGE 42 EAST



GOVERNING BOARD

CHAIRMAN
VICE CHAIRMAN
TREASURER
SECRETARY

GORDON M. BOGGIE
KEVIN L. BAKER
DR. MATT H. ROSTOCK
STEPHEN B. ROCKOFF

DRAWING LIST

SHEET	DRAWING	TITLE
GENERAL		
1	G-1	TITLE SHEET, LOCATION MAP AND DRAWING LIST
2	G-2	GENERAL NOTES
3	G-3	SURVEY PLAN AND NOTES
CIVIL		
4	C-1	DEMOLITION PLAN
5	C-2	CIVIL SITE PLAN
6	C-3	GREASE TRAP AND LIFT STATION PLAN
DETAILS		
7	D-1	STANDARD DETAILS
8	D-2	LIFT STATION DETAIL AND SYSTEM HYDRAULIC PROFILE
STRUCTURAL		
9	S-1	STRUCTURAL GENERAL NOTES AND DEMOLITION PLAN
10	S-2	STRUCTURAL PLANS
11	S-3	STRUCTURAL SECTIONS AND DETAILS

BID SET DRAWINGS
JULY 2025

FOR INFORMATION REGARDING THIS PROJECT, CONTACT:

A. JAKE HURLEY, P.E.

BAXTER & WOODMAN INC.
1601 FORUM PLACE, SUITE 400
WEST PALM BEACH, FL 33401
561-655-6175



1601 Forum Place, Suite 400, West Palm Beach, Florida 33401
Phone: 561-655-6175 • Fax: 561-655-6179
www.baxterwoodman.com EB-31795

A. JAKE HURLEY, P.E.
No. 90674 (CIVIL)

TITLE SHEET, LOCATION MAP
AND DRAWING LIST

SHEET: 1 of 11

DRAWING: G-1

Acad Version : R24.3s (LWS Tech) Date\Time : Fri, 11 Jul 2025 - 10:19am Current Plotstyle : ByColor Layout Tab: G-2 Path Name : P:\PROJECT\2401618-Vacuum Truck Dump Pit Improvements\00-Design\14-CAD\01-Civil_3D\01_Shts-Plans\2401618_G2.dwg

GENERAL NOTES:

- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE LOXAHATCHEE RIVER DISTRICT, PALM BEACH COUNTY, FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, PALM BEACH COUNTY HEALTH DEPARTMENT, FLORIDA DEPARTMENT OF TRANSPORTATION, AND NATIONAL CODES WHERE APPLICABLE.
- LOCATIONS OF EXISTING FACILITIES AS SHOWN ON CONSTRUCTION DRAWINGS ARE APPROXIMATE AND ARE DRAWN FROM AVAILABLE RECORDS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE FACILITIES SHOWN NOR FOR ANY FACILITY NOT SHOWN. THE CONTRACTOR SHALL LOCATE OR EXPOSE ALL UTILITIES WITHIN THE PROPOSED WORK AREAS AND AT CRITICAL LOCATIONS TO VERIFY UTILITY LOCATIONS AND PIPE LAYING SCHEDULES PRIOR TO SUBMITTING SHOP DRAWINGS. THIS SHALL BE DONE WITHIN 30 DAYS AFTER NOTICE TO PROCEED. THE INFORMATION OBTAINED (ELEVATION, SEPARATION DISTANCE, PIPE MATERIAL AND SIZE, ETC.) SHALL BE MADE PART OF THE CONTRACTOR'S SUBMITTAL FOR ALL PIPING.
- CONTRACTOR SHALL OBTAIN THE SERVICES OF SUNSHINE STATE ONE CALL OF FLORIDA (811), INC. AS REQUIRED BY FLORIDA STATUTES. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES.
- ALL DELETERIOUS MATERIAL SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE.
- IF UPON EXCAVATION, AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION OR TO BE OF A SIZE OR MATERIAL DIFFERENT FROM THAT SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
- ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAY OR WALKWAY SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
- NO TRENCHES OR HOLES NEAR WALKWAYS, IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHTTIME HOURS WITHOUT EXPRESS PERMISSION FROM PALM BEACH COUNTY.
- CONTRACTOR SHALL ADJUST ALL UTILITY CASTING INCLUDING SANITARY SEWER MANHOLE TOPS, INLETS, VALVE BOXES AND SIMILAR STRUCTURES AS REQUIRED TO MEET FINAL GRADES.
- CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO LOCATE, EXCAVATE AND PREPARE FOR CONNECTIONS TO THE EXISTING SYSTEMS ALL AS SHOWN ON THE DRAWINGS.
- THE CONTRACTOR SHALL SCHEDULE INSPECTIONS AND TESTS WITH THE DISTRICT & PALM BEACH COUNTY A MINIMUM OF 48 HOURS IN ADVANCE.
- SITE INFORMATION BASED ON A SURVEY PREPARED BY: RITZEL-MASON
- PROJECT SITE SAFETY:
 - THE ENGINEER/OWNER OR THEIR EMPLOYEES HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER THE CONTRACTOR, ANY SUB-CONTRACTOR OR OTHER ENTITY OR THEIR EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY JOBSITE HEALTH OR SAFETY PRECAUTIONS.
 - THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOBSITE SAFETY, AND WARRANTS THAT THIS INTENT IS MADE EVIDENT BY THE AGREEMENT BETWEEN OWNER AND CONTRACTOR.
 - ALL EXISTING OVERHEAD AND UNDERGROUND UTILITIES SHOWN ON THESE DRAWINGS OR ENCOUNTERED THROUGH THE PROGRESSION OF WORK AT THIS PROJECT SITE ARE ASSUMED TO BE LIVE, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS WHEN WORKING AROUND EXISTING OVERHEAD OR UNDERGROUND UTILITIES.
 - THE CONTRACTOR SHALL ADHERE TO ALL APPLICABLE FEDERAL AND STATE OCCUPATIONAL SAFETY AND HEALTH LAWS AS THEY APPLY TO THIS CONTRACT.
 - THE CONTRACTOR WILL ENFORCE THE LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT'S SAFETY RULES AND PRACTICES AS THEY APPLY TO THE CONTRACTOR'S EMPLOYEE'S, IN ADDITION TO THE CONTRACTOR'S OWN SAFETY RULES AND PROCEDURES.
 - THE CONTRACTOR SHALL PROVIDE ALL OF ITS SUBCONTRACTORS WITH COPIES OF ALL SAFE WORKING PROCEDURES AND SHALL ENSURE THEIR ENFORCEMENT.
- THE COST OF SHEETING, SHORING, ETC. OF THE TRENCH SHALL BE INCLUDED IN THE COSTS OF THE BID ITEM(S).

GENERAL INFORMATION:

- THE CONTRACTOR SHALL ACCURATELY LOCATE AND UNCOVER ALL EXISTING UTILITIES BEFORE BEGINNING CONSTRUCTION WHERE CROSSING OR PARALLELING OF EXISTING UTILITIES OCCUR. ANY DAMAGE RESULTING FROM THE CONTRACTORS OPERATION SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
- ALL MATERIALS SHALL CONFORM TO LOXAHATCHEE RIVER DISTRICT MANUAL OF MINIMUM CONSTRUCTION STANDARDS & TECHNICAL SPECIFICATIONS REVISION FEB., 2025.

EROSION CONTROL:

- ALL STORM SEWER INLET GRATES TO BE COVERED WITH FILTER FABRIC DURING CONSTRUCTION.
- CUT AND FILL SLOPES TO BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. SILT FENCES TO BE USED WHERE NECESSARY.
- CONSTRUCTION VEHICLE ACCESS ROUTES SHALL BE SWEEPED CLEAN OF SEDIMENT, CONCRETE AND OTHER CONSTRUCTION MATERIALS AS NEEDED.
- ALL BERMS, DIKES AND SPOIL PILES SUBJECT TO EROSION MUST BE STABILIZED OR CONTAINED TO PREVENT EROSION AND RUNOFF FROM THE PROJECT.
- THE QUALITY OF THE DISCHARGE WATER FROM DEWATERING AND CONSTRUCTIONS ACTIVITIES SHALL MEET STATE WATER QUALITY STANDARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREPARATION AND PERMITTING OF A STORMWATER POLLUTION PREVENTION PLAN FOR THE PROJECT.

NO.	DATE	ISSUED FOR	APRV'D BY

DESIGNED:	AJH
DRAWN:	DDP
CHECKED:	SJP
APPROVED:	SJP

A. JAKE HURLEY, P.E.
No. 90674

BAXTER & WOODMAN

Consulting Engineers

1601 Forum Place, Suite 400, West Palm Beach, Florida 33401

Phone: 561-655-6175 • Fax: 561-655-6179

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VERIFY SCALE

1"

BAR IS ONE INCH ON FULL SIZE (22x34) ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.

ENGINEER NO.:	2401618
CLIENT	
PROJECT NO.:	N20029
CAD REF.:	2401618_G2.dwg

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT VACUUM TRUCK DUMP PIT IMPROVEMENT
GENERAL NOTES

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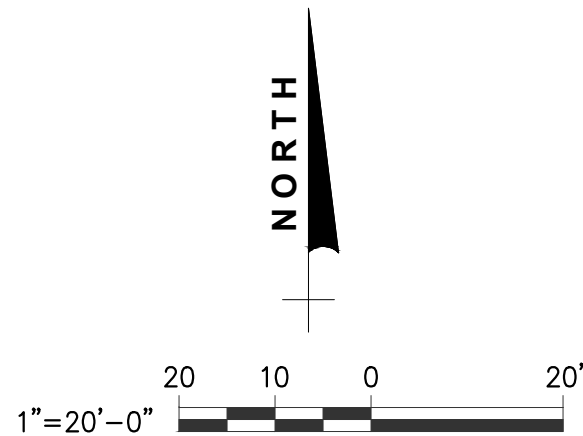
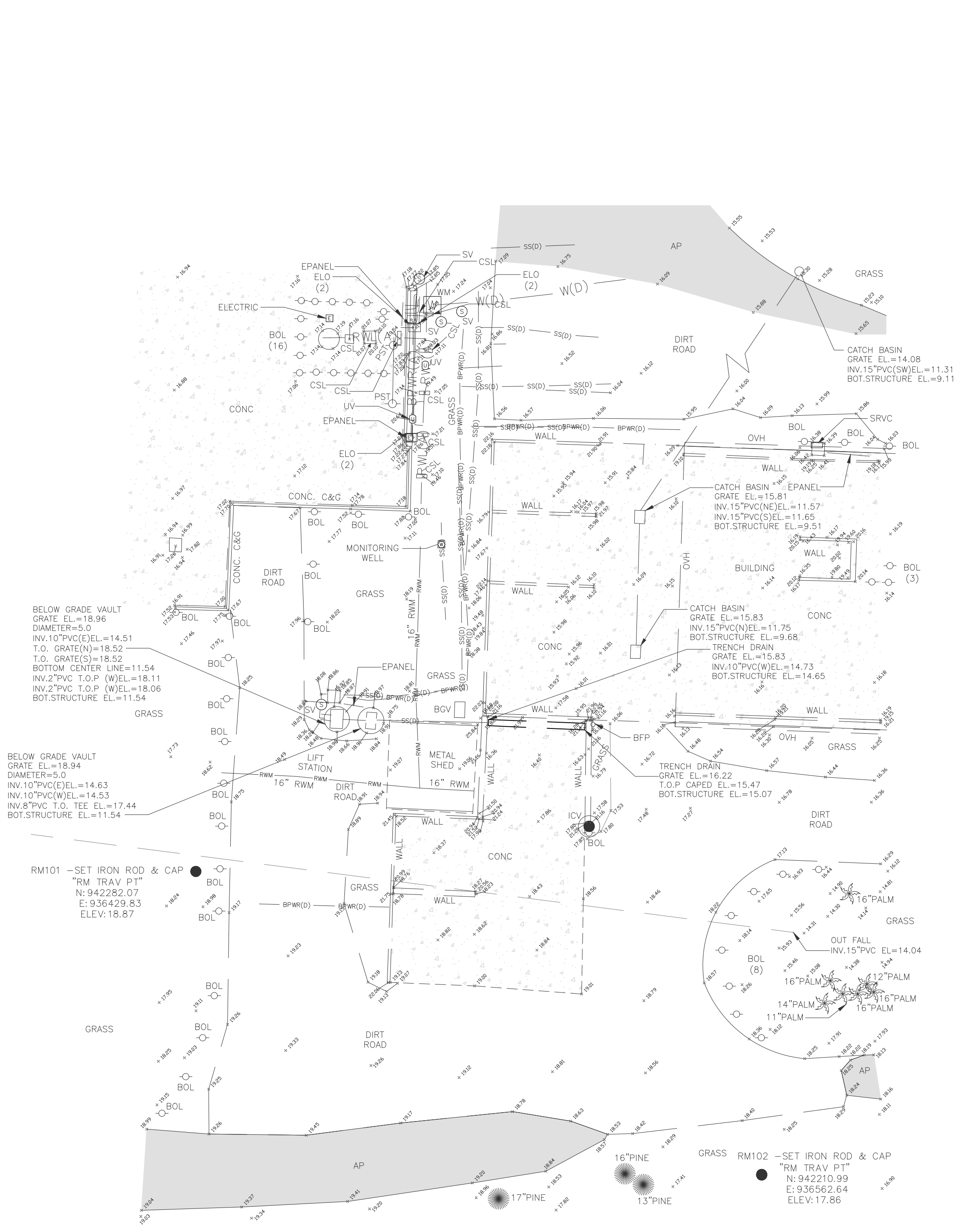
DATE: JULY 2025

SHEET: 2 of 11

DRAWING: G-2

BID SET DRAWINGS

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Current Plotstyle : ByColor
Layout Tab: C-3



SURVEYOR'S REPORT

REPORT OF TOPOGRAPHIC SURVEY:
THE SURVEY SHOWN HEREON IS A TOPOGRAPHIC SURVEY LIMITED TO ONE LIFT STATION IN JUPITER IN PALM BEACH COUNTY, FLORIDA LYING IN SECTION 10, TOWNSHIP 41 SOUTH, RANGE 42 EAST. THE SURVEY WAS PERFORMED ON DECEMBER 13, 2024 THROUGH JANUARY 15, 2025 UNDER THE DIRECTION OF DENNIS RITZEL PROFESSIONAL SURVEYOR AND MAPPER (PSM). THIS REPORT AND SURVEY ARE VALID ONLY WHEN THE SIGNATURE AND RAISED EMBOSSED SEAL ARE FOUND AT THE END OF THIS REPORT.

ACCURACY:
THE FIELD SURVEY WAS PERFORMED IN ACCORDANCE WITH FLORIDA ADMINISTRATIVE CODE PURSUANT TO STANDARDS OF PRACTICE AS OUTLINED IN CHAPTER 5J-17.051 AND 5J-17.052 (FLORIDA ADMINISTRATIVE CODE). THE SURVEY WAS PERFORMED WITH THE HORIZONTAL VALUES BASED ON THE NORTH AMERICAN DATUM 1983, 1990 ADJUSTMENT (NAD83/11). VERTICAL VALUES ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

MEASUREMENT METHODS:
THIS SURVEY WAS PERFORMED UTILIZING CONVENTIONAL SURVEYING METHODS.

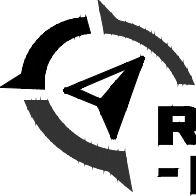
LIMITATIONS:
UNDERGROUND LINES SHOWN WERE MARKED BY OTHERS BUT SURVEYED BY RITZEL-MASON.

LEGEND:

AP	ASPHALT
BFP	BACK FLOW PREVENTER
BGV	BELOW GRADE VAULT
BOL	BOLLARD
C&G	CURB AND GUTTER
CONC.	CONCRETE
CSL	CONCRETE SLAB
ELO	ELECTRIC OUTLET
EM	ELECTRIC METER
EL/ELEV.	ELEVATION
INV.	INVERT
LB	LICENSED BUSINESS
LS	LICENSE NUMBER
(P)	PLAT
PMP	PUMP
PT	POINT
PVC	POLYVINYL CHLORIDE
PSM	PROFESSIONAL SURVEYOR AND MAPPER
OVH	OVERHANG
RGE	RANGE
SEC	SECTION
SV	SANITARY VALVE
T.O.	T.O.
T.O.P	TOP OF PIPE
TRAV	TRAVERSE
TWP	TOWNSHIP
UV	UNKNOWN VALVE
WM	WATER MAIN
ICV	IRRIGATION CONTROL VALVE
SRVC	JUNCTION BOX/SERVICE CABINET
PST	MONUMENTS – POST, STAKE, STAUB
— BPWR(A) —	POWER LINE (ABOVE GROUND)
— BPWR(D) —	POWER LINE MARKED BY RITZEL-MASON
— RWL(A) —	RECLAIMED WATER LINE (ABOVE GROUND)
— SS(D) —	SANITARY SEWER LINE MARKED BY OTHERS
— W(D) —	WATER LINE MARKED BY OTHERS
— UNK(D) —	UNKNOWN LINE MARKED BY OTHERS
— — —	DRAINAGE LINE

NOTE: TO CONVERT FROM NAVD 88 TO NGVD 29 DATUM
SUBTRACT 1.52 FEET FROM THE NGVD 29 ELEVATION.
EXAMPLE: EL.= 11.52' (NGVD 29)
EL.= 10.00' (NAVD 88)

SURVEY PREPARED BY:



**RITZEL
-MASON**
A SURVEYING & MAPPING FIRM

LB-8265
5119 BEECHWOOD RD.
DELRAY BEACH, FL 33484
PH: 561-634-6701
www.ritzel-mason.com

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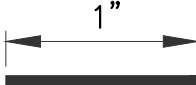
DESIGNED:	AJH
DRAWN:	DDP
CHECKED:	SJP
APPROVED:	SJP

A. JAKE HURLEY, P.E.
No. 90674

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VERIFY SCALE



BAR IS ONE INCH
ON FULL SIZE
(22x34). ORIGINAL
DRAWING. ADJUST
SCALES AS
NECESSARY.

ENGINEER NO.: 2401618
CLIENT
PROJECT NO.: N20029
CAD REF.: 2401618_G3.dwg

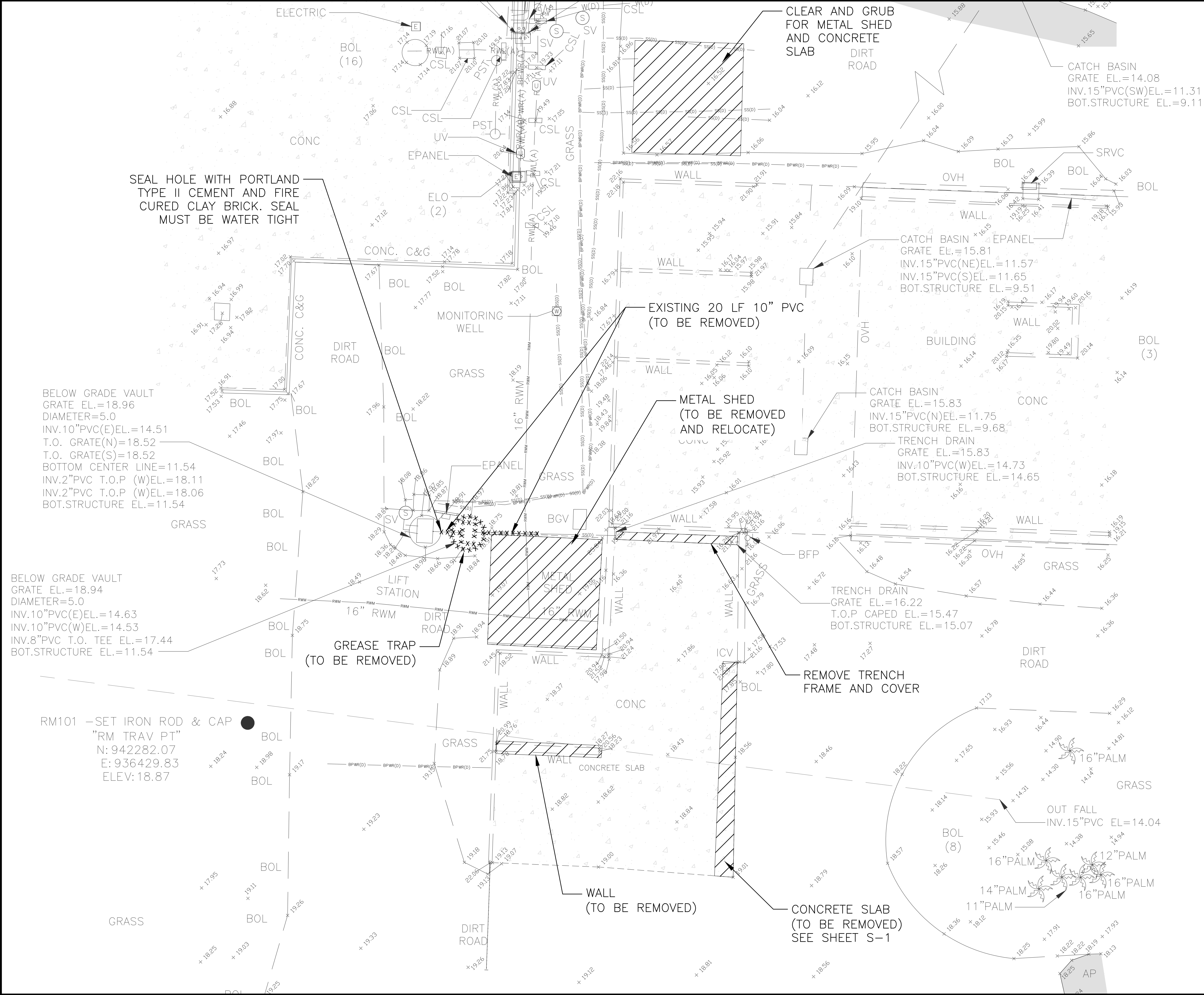
**LOXAHATCHEE RIVER
ENVIRONMENTAL CONTROL DISTRICT
VACUUM TRUCK DUMP PIT IMPROVEMENT**

SURVEY PLAN AND NOTES

DATE:	JULY 2025
SHEET:	3 of 11
DRAWING:	G-3

BID SET DRAWINGS

Acad Version : R24.3s (LMS Tech)
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Current Plotstyle : ByColor
Layout Tab: C-1
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GREASE TRAP DEMOLITION NOTES:

1. STRUCTURE TO BE REMOVED ONCE THE NEW GREASE TRAP INTERCEPTOR HAS BEEN INSTALLED AND PLACED INTO SERVICE.
2. THE CONTRACTOR IS RESPONSIBLE FOR PUMP OUT AND CLEANING OF THE EXISTING STRUCTURE DURING CONSTRUCTION AND BEFORE REMOVAL.
3. BACKFILL OF THE EXISTING STRUCTURE SHALL BE COMPACTED IN 12" LIFT TO A MINIMUM OF 95% OF THE DRY DENSITY AS DETERMINED BY AASHTO T-180.

NO.	DATE	ISSUED FOR	APR'V'D BY	DESIGNED: AJH	DRAWN: DDP	CHECKED: SJP	APPROVED: SJP	A. JAKE HURLEY, P.E. No. 90674	VERIFY SCALE 1" BAR IS ONE INCH ON FULL SIZE (22x34) ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.	ENGINEER NO.: 2401618 CLIENT PROJECT NO.: N20029 CAD REF.:2401618_Plan.dwg	LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT VACUUM TRUCK DUMP PIT IMPROVEMENT	DATE: JULY 2025 SHEET: 4 of 11 DRAWING: C-1
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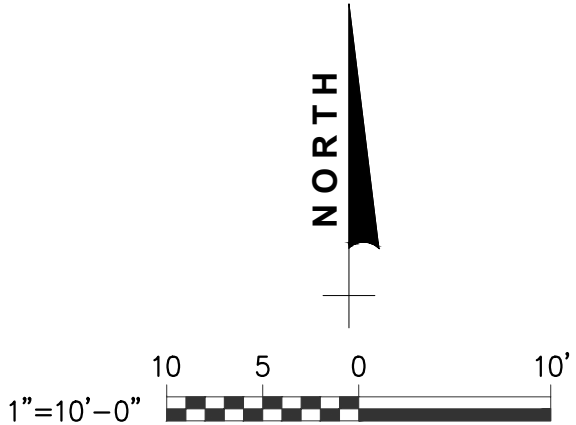
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Date\Time : Fri, 11 Jul 2025 - 10:19am
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Current Plotstyle : ByColor
Layout Tab: C-2
1"=10'-0"

SEE GREASE TRAP AND LIFT
STATION VIEW ON DWG. C-3

WET WELL AERATION UNIT

BELOW GRADE VAULT
GRATE EL.=18.96
DIAMETER=5.0
INV.10"PVC(E)EL.=14.51
T.O. GRATE(N)=18.52
T.O. GRATE(S)=18.52
BOTTOM CENTER LINE=11.54
INV.2"PVC T.O.P (W)EL.=18.11
INV.2"PVC T.O.P (W)EL.=18.06
BOT.STRUCTURE EL.=11.54

RM101 -SET IRON ROD & CAP
"RM TRAV PT"
N: 942282.07
E: 936429.83
ELEV: 18.87



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				AJH
				DRAWN: DDP
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DRAWING. ADJUST
SCALES AS
NECESSARY.

ENGINEER NO.: 2401618
CLIENT
PROJECT NO.: N20029
CAD REF.:2401618_Plan.dwg

**LOXAHATCHEE RIVER
ENVIRONMENTAL CONTROL DISTRICT
VACUUM TRUCK DUMP PIT IMPROVEMENT**

CIVIL SITE PLAN

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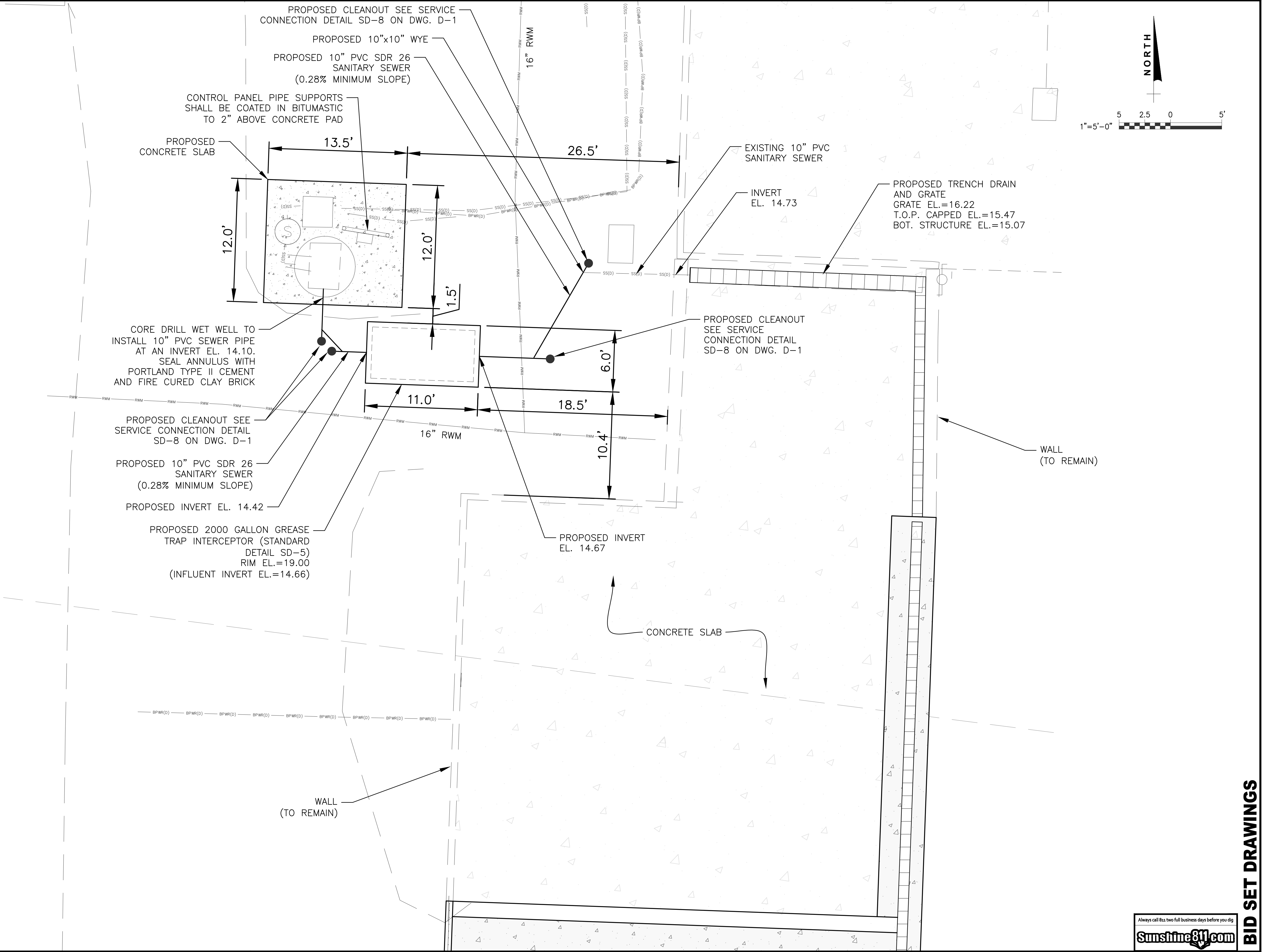
DATE: JULY 2025
SHEET: 5 of 11
DRAWING: C-2

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NOTES:

1. THE INVERT ELEVATIONS FOR THE GREASE TRAP AND WET WELL ARE BASED ON A GREASE TRAP SIZE OF 6 FT (WIDTH) BY 11 FT (LENGTH). THE GREASE TRAP'S FINAL INVERT ELEVATIONS AND LOCATION RELATIVE TO THE EXISTING STRUCTURES MAY VARY DEPENDING ON THE ACTUAL DIMENSIONS. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE GREASE TRAP FOR THE ENGINEER'S REVIEW AND APPROVAL TO CONFIRM THAT THE PROPOSED LOCATION AND INVERTS ARE ACCEPTABLE.
2. PIPE SHALL BE SDR 26 GRAVITY MAIN PIPE AND SHALL MEET THE FOLLOWING ASTM STANDARDS: D3212 (JOINT), F477 (GASKET), D1784 (PVC COMPOUND), D2412 (STIFFNESS) AND D2321 (INSTALLATION). DR 26 GRAVITY MAIN PIPE SHALL BE GREEN IN COLOR AND MARKED WITH DIAMETER, SDR AND APPLICABLE ASTM STANDARDS.
3. THE VACUUM TRUCK DUMP PIT CAN BE SHUTDOWN FOR A MAXIMUM OF 3 CONSECUTIVE DAYS. AFTER 3 DAYS THE DISTRICT MUST BE ABLE TO DUMP INTO THE PIT AND HAVE THE WATER DRAIN TO THE PUMP STATION FOR REMOVAL. THE CONTRACT IS RESPONSIBLE FOR COORDINATING THEIR WORK SO THE VACUUM TRUCK DUMP PIT CAN BE UTILIZED. MULTIPLE SHUTDOWN PERIODS WILL NEED TO BE COORDINATED. ALL SHUTDOWN REQUESTS SHALL FOLLOW THE DISTRICT'S STANDARD OPERATING PROCEDURE: SYSTEM SHUTDOWNS AND BYPASS REQUIREMENTS.
4. WATER PIPING AND FLUSHING PIPING ON THE DUMP PIT WALLS AND IN THE SURROUNDING GROUND SHALL BE REMOVED AND REINSTALLED AS REQUIRED. THIS IS NOT A PAY ITEM AND IS INCIDENTAL TO THE WORK. SOME LINES HAVE BEEN REMOVED FROM THE DRAWINGS FOR CLARITY.
5. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND RE-INSTALLATION OF THE AERATION UNIT AS NECESSARY TO INSTALL THE CONCRETE SLAB.
6. THE CONTRACTOR IS RESPONSIBLE FOR TENCH SAFETY REQUIRED FOR INSTALLATION OF THE GREASE TRAP INTERCEPTOR AND PIPING. THE CONTRACTOR SHALL SLOPE, SHORE AND SHIELD PER OSHA GUIDELINES.
7. THE CONTRACTOR SHALL SUPPORT THE EXISTING STRUCTURES AND PIPING DURING EXCAVATION.



NO.	DATE	ISSUED FOR	APR'V'D BY

DESIGNED:	AJH
DRAWN:	DDP
CHECKED:	SJP
APPROVED:	SJP

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ENGINEER NO.: 2401618
CLIENT
PROJECT NO.: N20029
CAD REF.:2401618_Plan.dwg

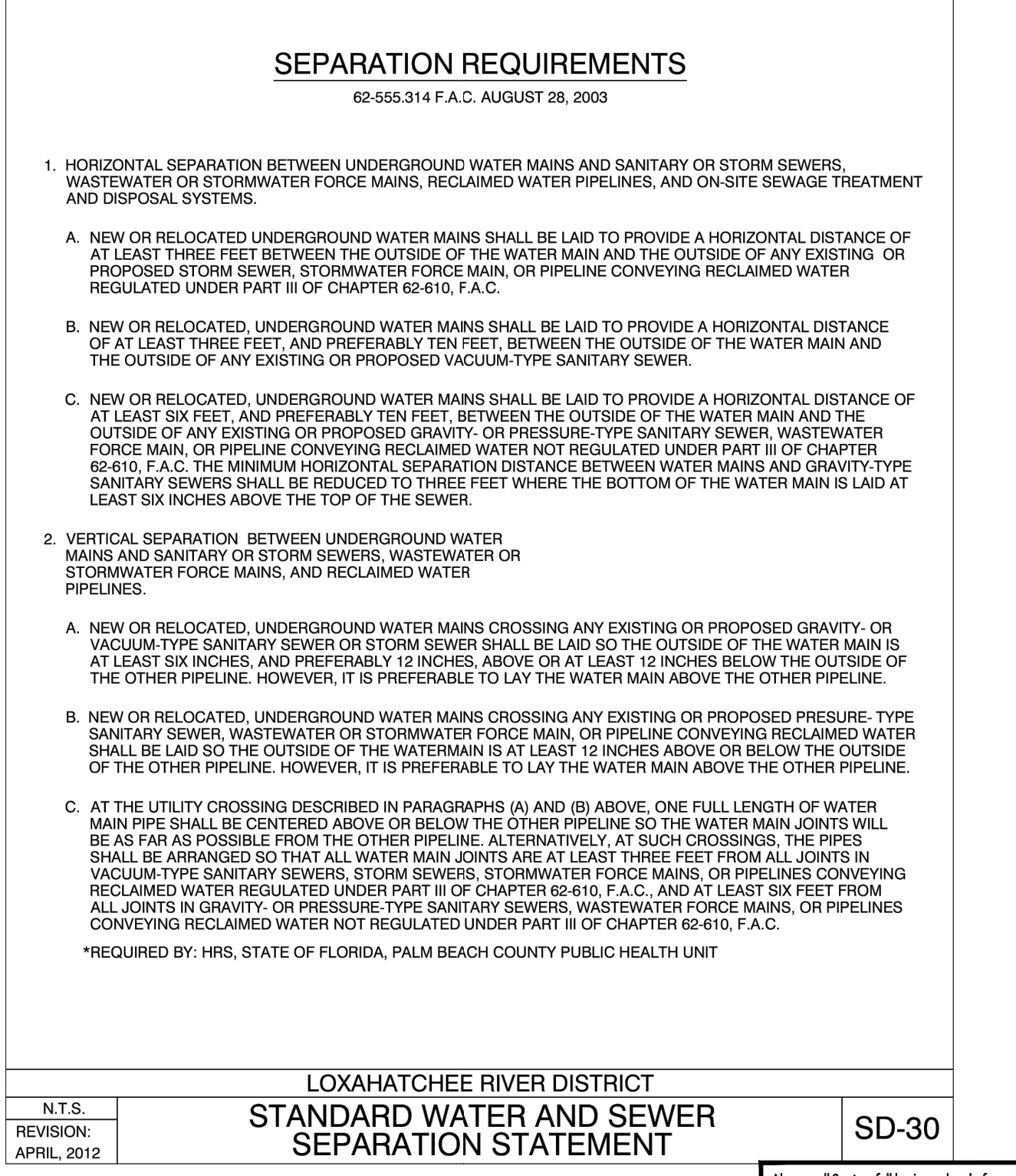
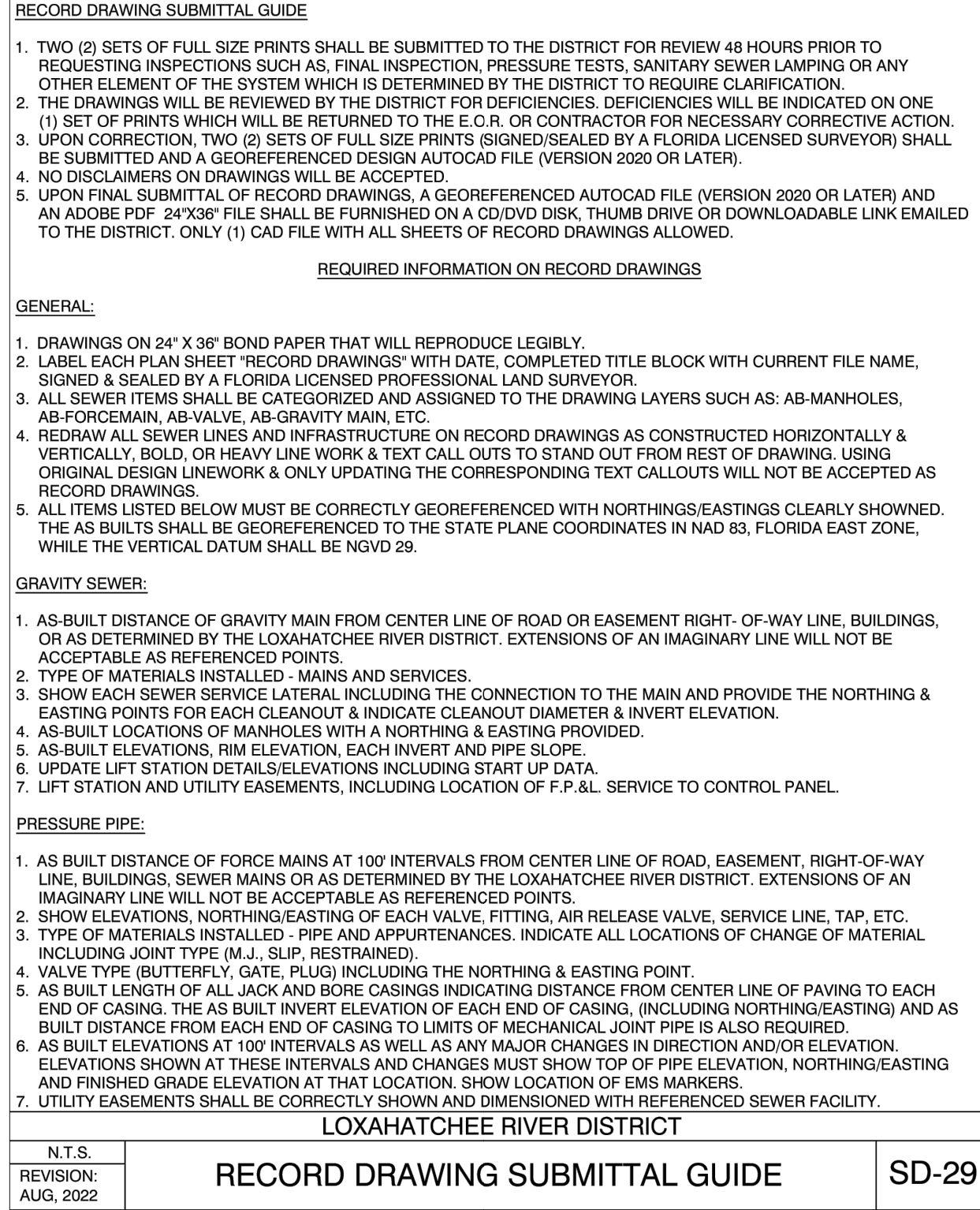
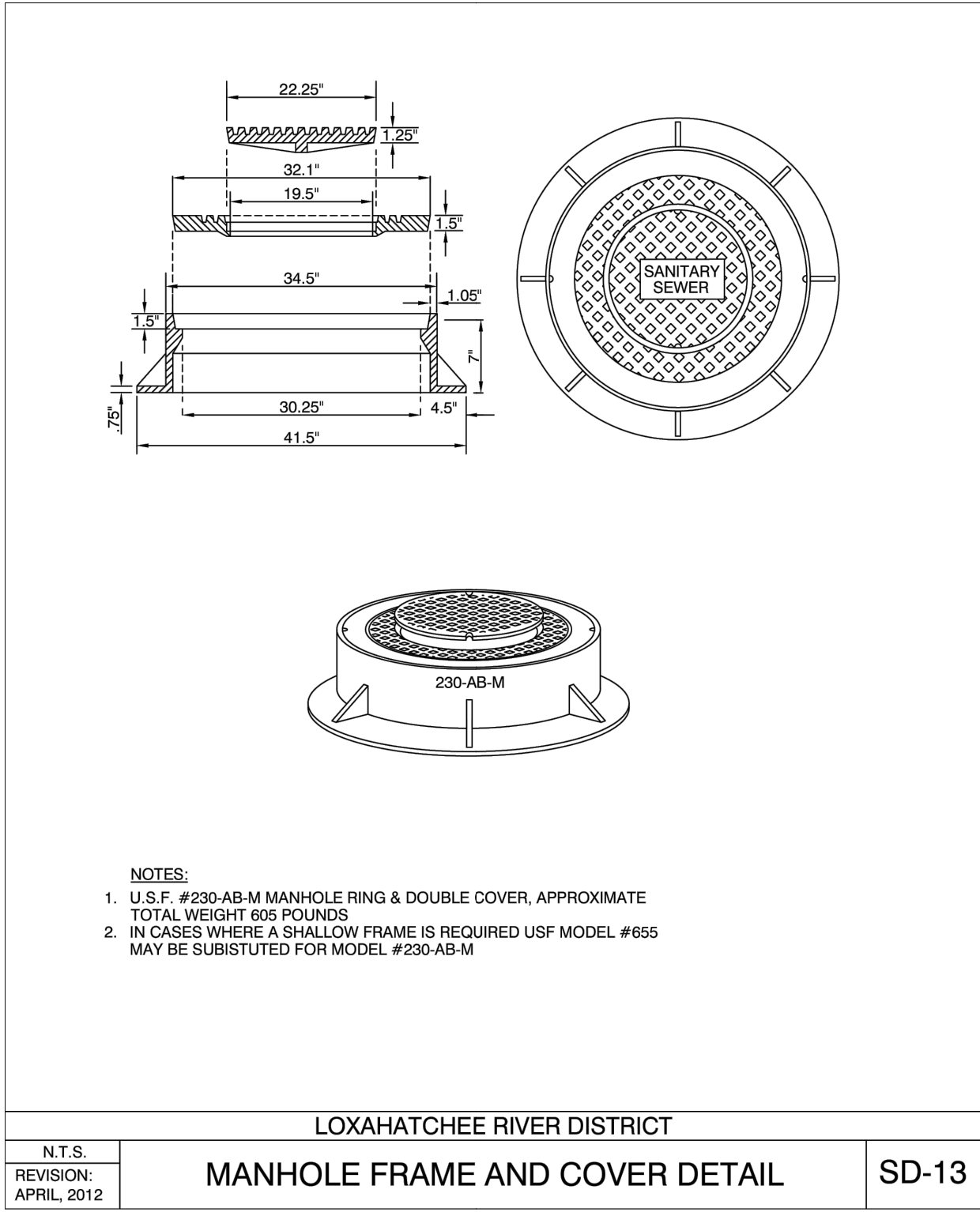
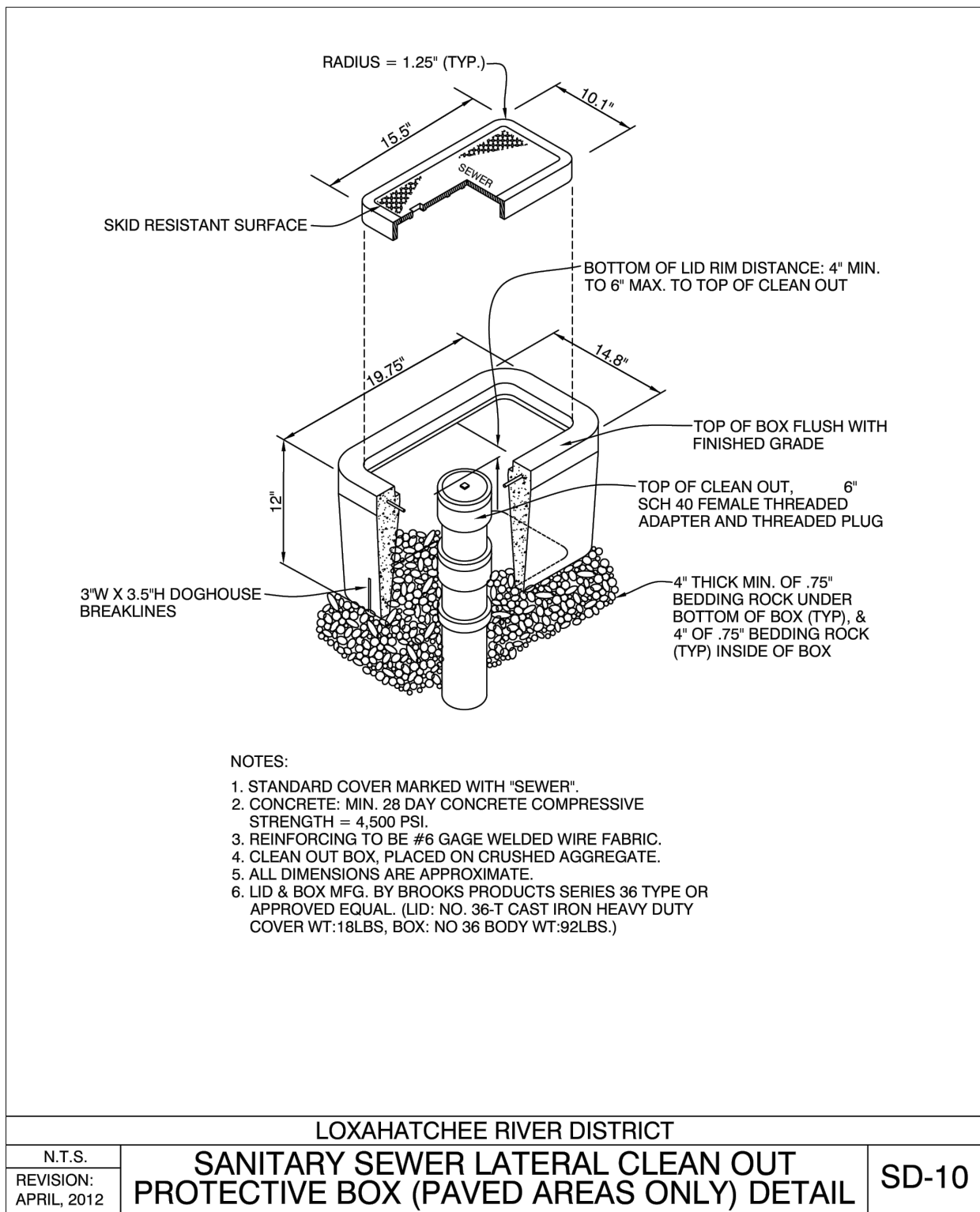
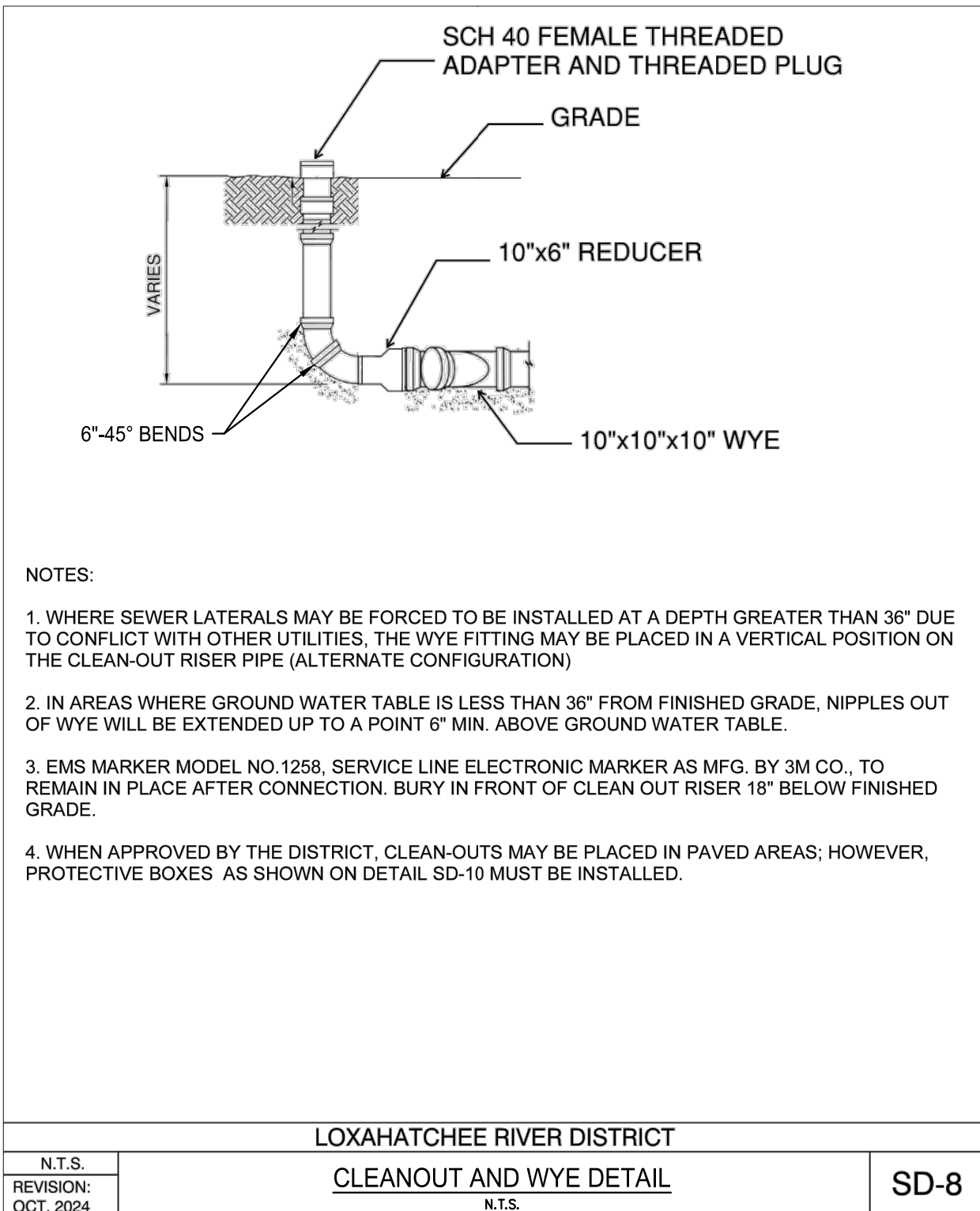
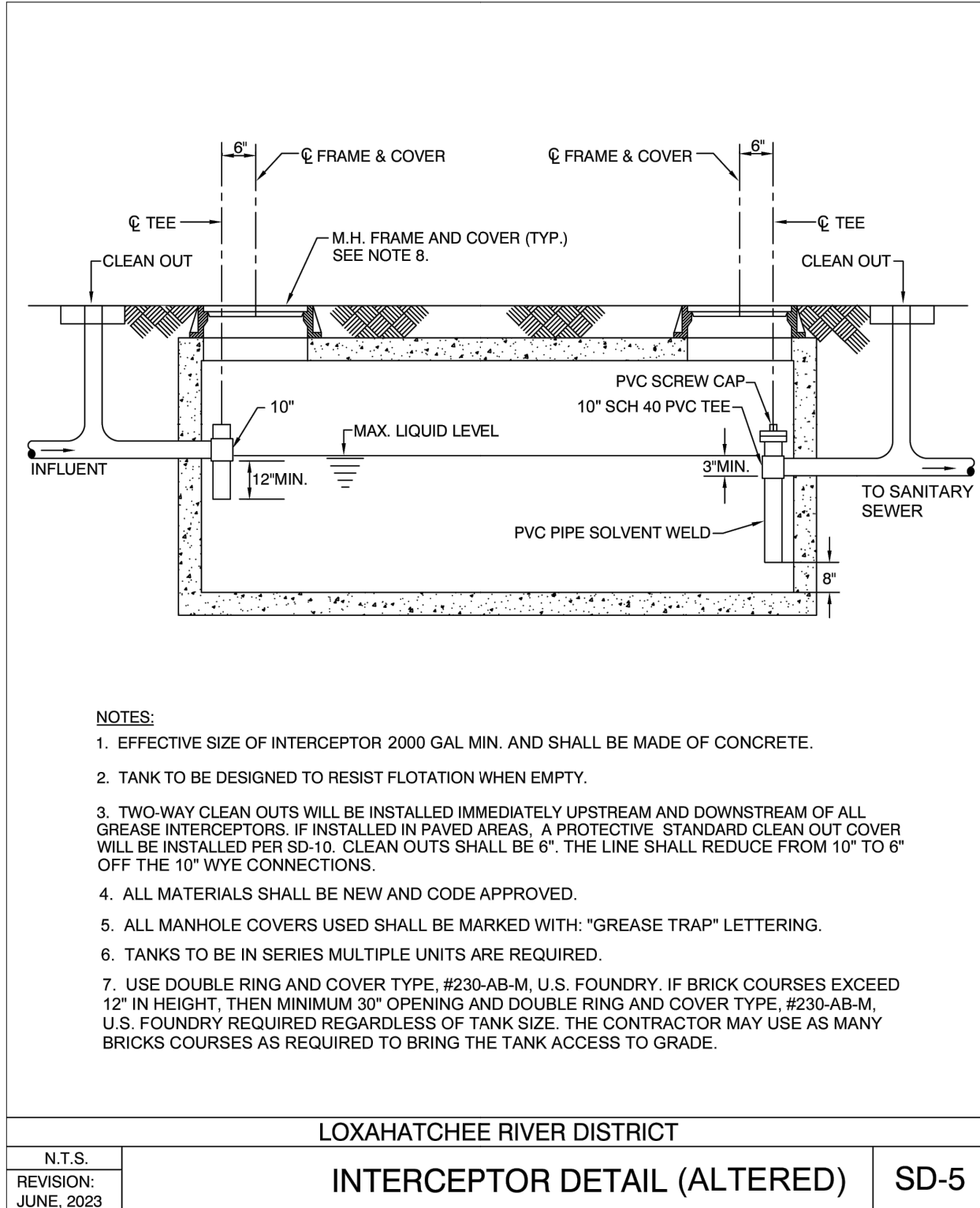
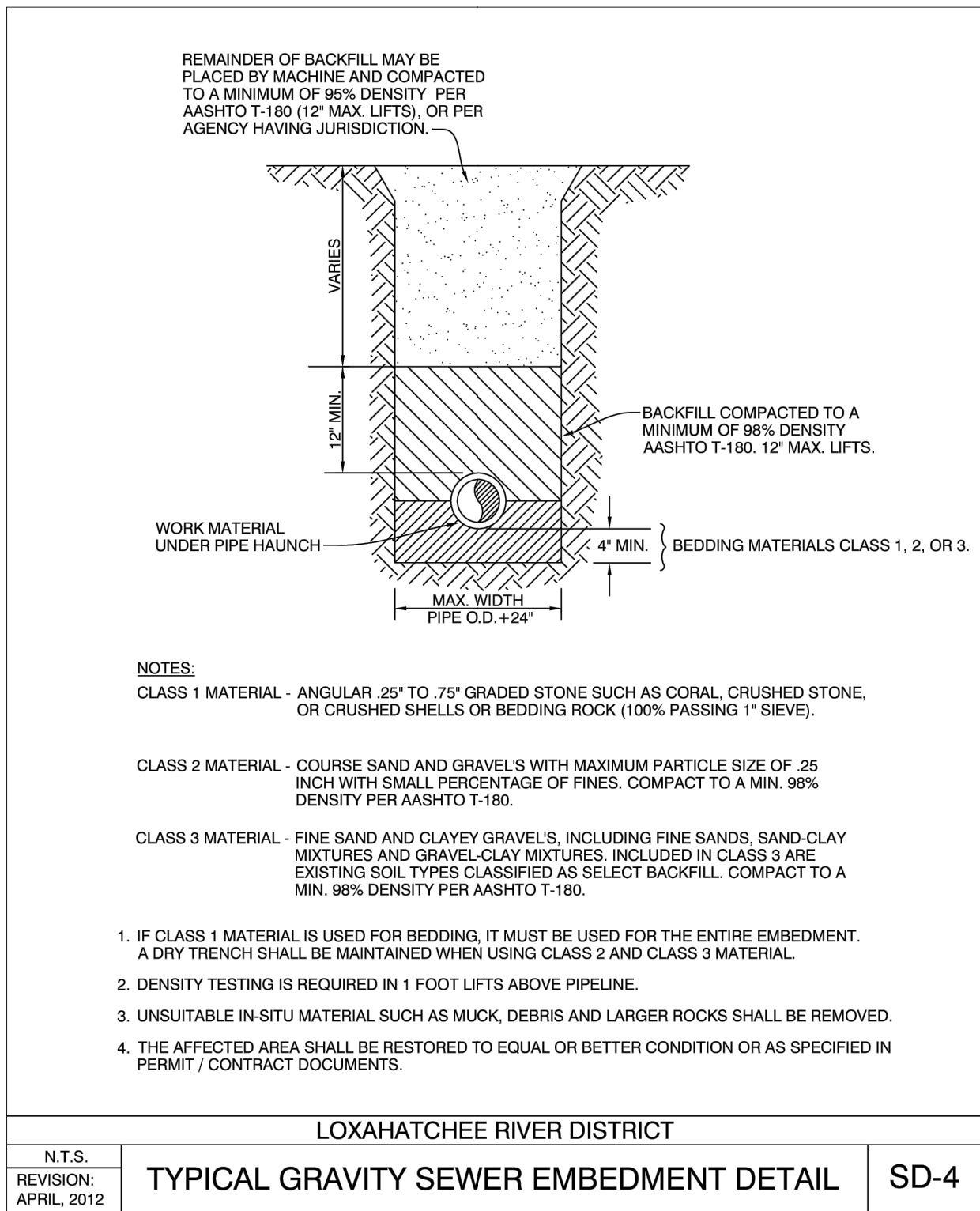
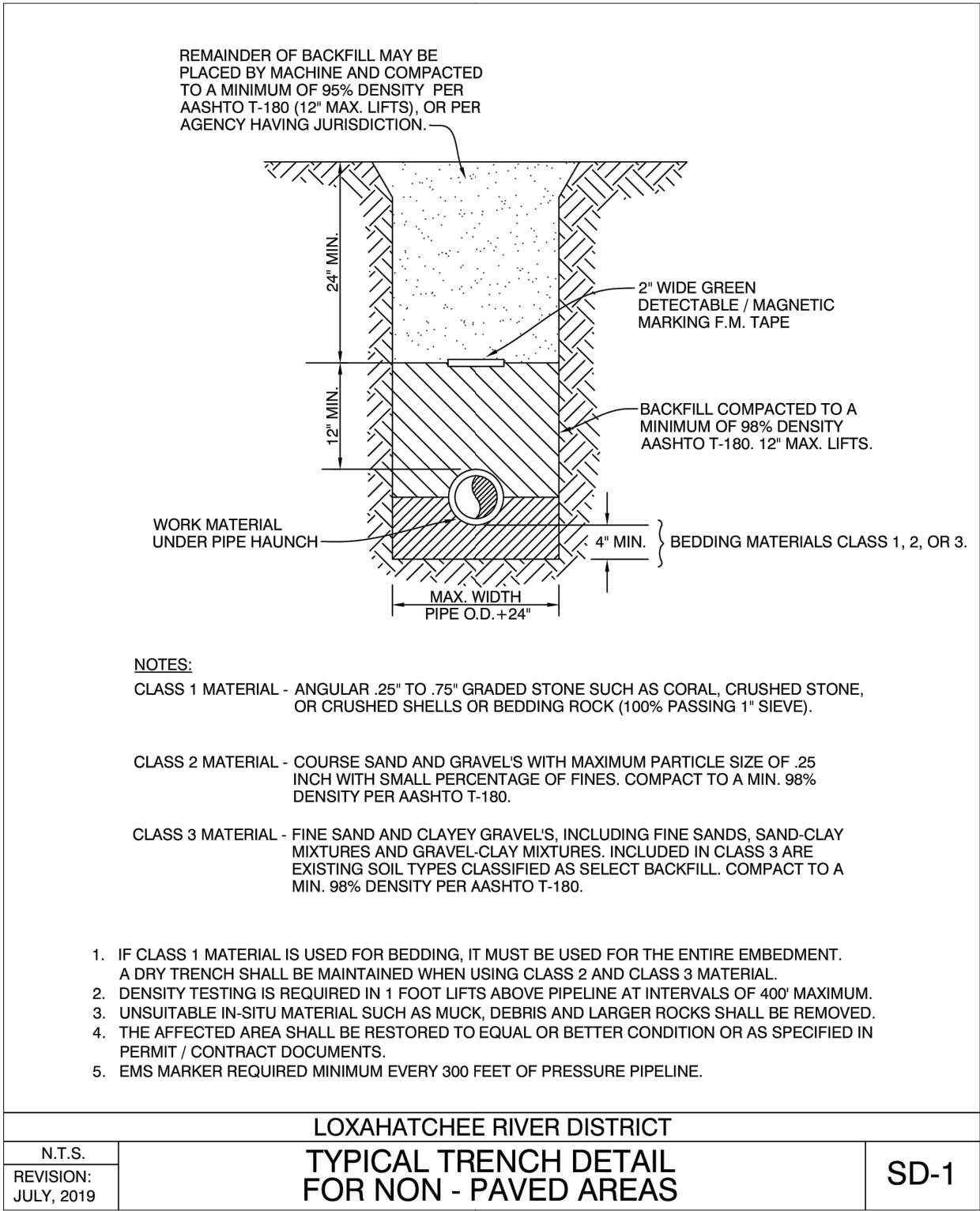
LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT VACUUM TRUCK DUMP PIT IMPROVEMENT
GREASE TRAP AND LIFT STATION PLAN

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DATE: JULY 2025
SHEET: 6 of 11
DRAWING: C-3

BID SET DRAWINGS

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				DRAWN: DDP
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CLIENT

PROJECT NO.: N20029

CAD REF:2401618_Details.dwg

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT VACUUM TRUCK DUMP PIT IMPROVEMENT

DATE: JULY 2025

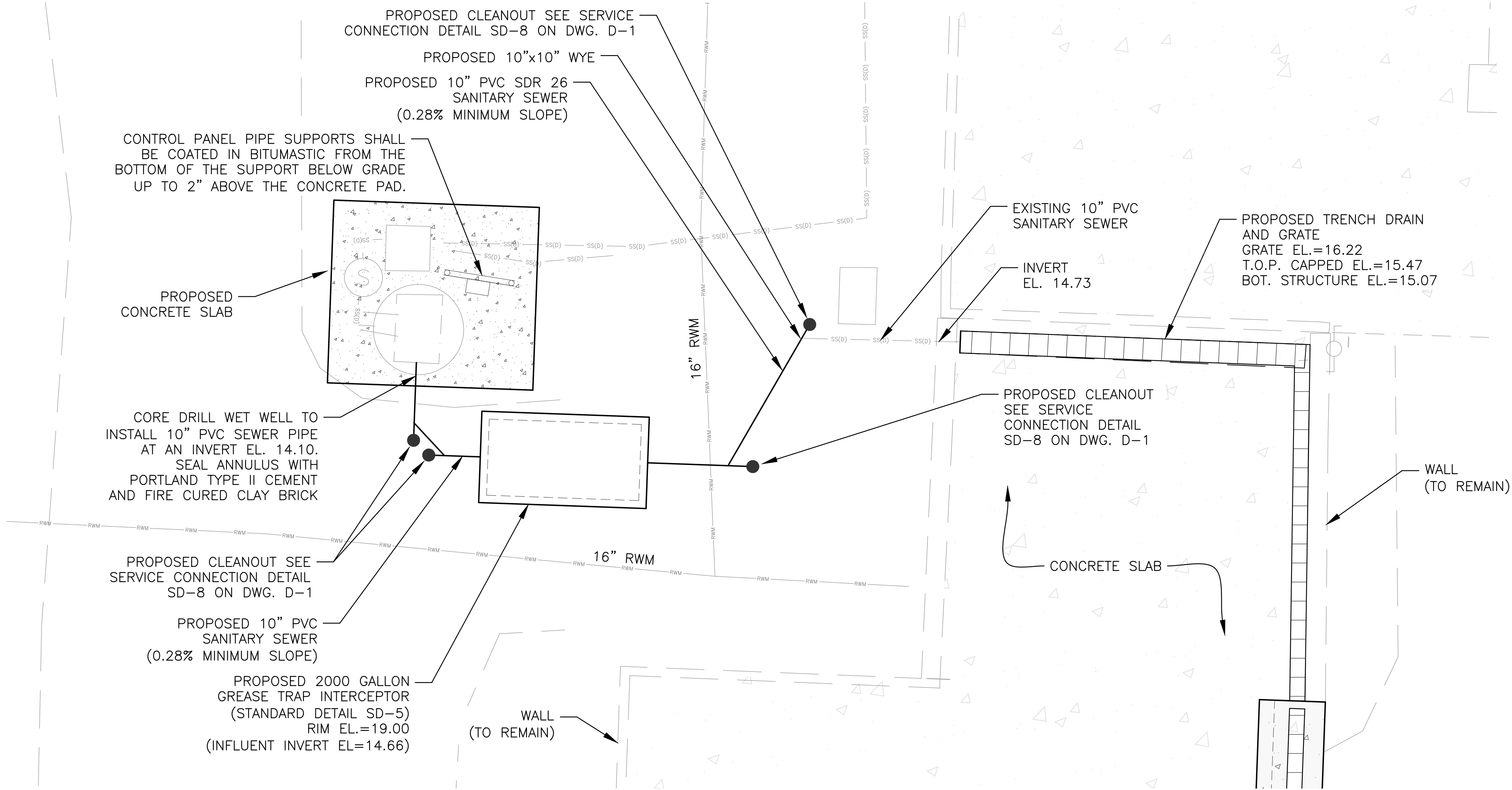
SHEET: 7 of 11

DRAWING: D-1

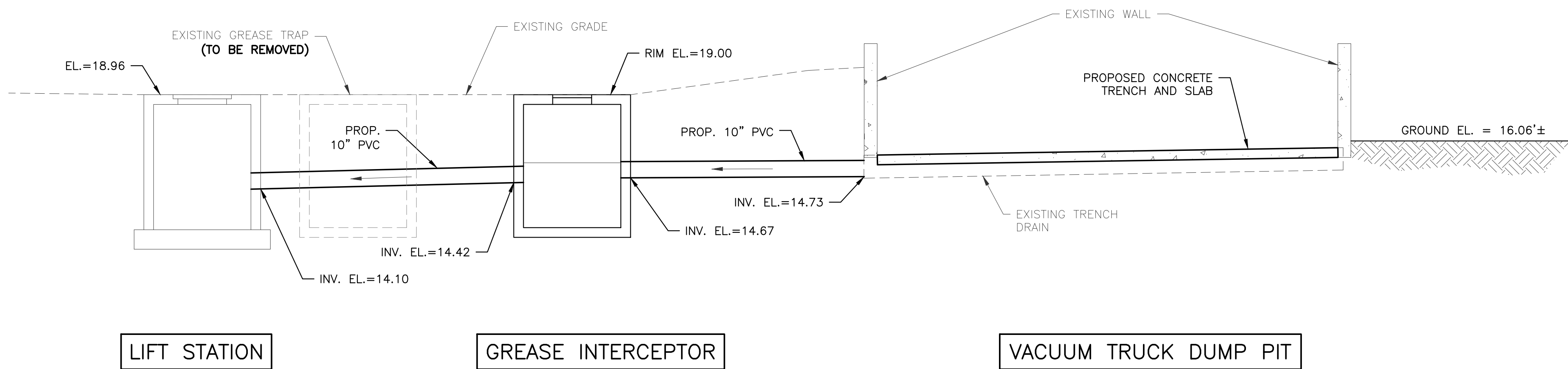
STANDARD DETAILS

BID SET DRAWINGS

Acad Version : R24.3s (LMS Tech) User Name : dphom Date\Time : Fri, 11 Jul 2025 -- 10:19am Current Plotstyle : ByColor Layout Tab: D-2 Path Name : P:\PROJECTS\2401618-Vacuum Truck Dump Pit Improvements\00-Design\14-CAD\01-Civil_3D\01_Shts-Plans\2401618_Details.dwg



LIFT STATION PLAN
SCALE: 1"=5'



SYSTEM HYDRAULIC PROFILE
SCALE: 1"=4'

NO.	DATE	ISSUED FOR	APR'V'D BY	DESIGNED: AJH
				DRAWN: DDP
				CHECKED: SJP
				APPROVED: SJP

A. JAKE HURLEY, P.E.
No. 90674

BAXTER & WOODMAN
Consulting Engineers
1601 Forum Place, Suite 400, West Palm Beach, Florida 33401
Phone: 561-655-6175 • Fax: 561-655-6179
www.baxterwoodman.com EB-31795

VERIFY SCALE
1"
BAR IS ONE INCH ON FULL SIZE (22x34). ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.

ENGINEER NO.: 2401618
CLIENT
PROJECT NO.: N20029
CAD REF: 2401618_Details.dwg

**LOXAHATCHEE RIVER
ENVIRONMENTAL CONTROL DISTRICT
VACUUM TRUCK DUMP PIT IMPROVEMENT**

LIFT STATION DETAIL AND
SYSTEM HYDRAULIC PROFILE

Always call 800 two full business days before you dig
Sunshine811.com

DATE: JULY 2025
SHEET: 8 of 11
DRAWING: D-2

BID SET DRAWINGS

STRUCTURAL GENERAL NOTES

EARTHWORK:

1. COMPACT SOIL BENEATH PROPOSED SLABS ON GRADE TO 100% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.

CONCRETE WORK:

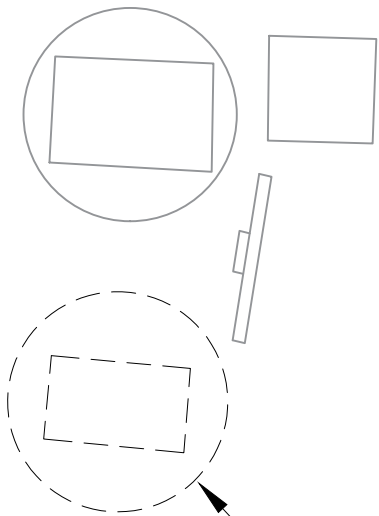
1. PROVIDE CONCRETE HAVING A MINIMUM 28 DAY COMPRESSIVE STRENGTH f'_c = 4000 P.S.I.
2. PROVIDE REINFORCING BARS IN COMPLIANCE WITH ASTM A615 GRADE 60.
3. STAGGER ALL REINFORCING BAR SPLICES PROVIDING A LAP LENGTH LISTED IN THE FOLLOWING TABLE UNLESS OTHERWISE SHOWN ON THE DRAWING:

BAR SIZE	LAP SPLICE IN BAR DIAMETERS	
	TOP BARS (EPOXY)*	OTHER BARS (EPOXY)
#6 AND SMALLER	64 (77)	49 (59)
LARGER THAN #6	80 (96)	62 (74)

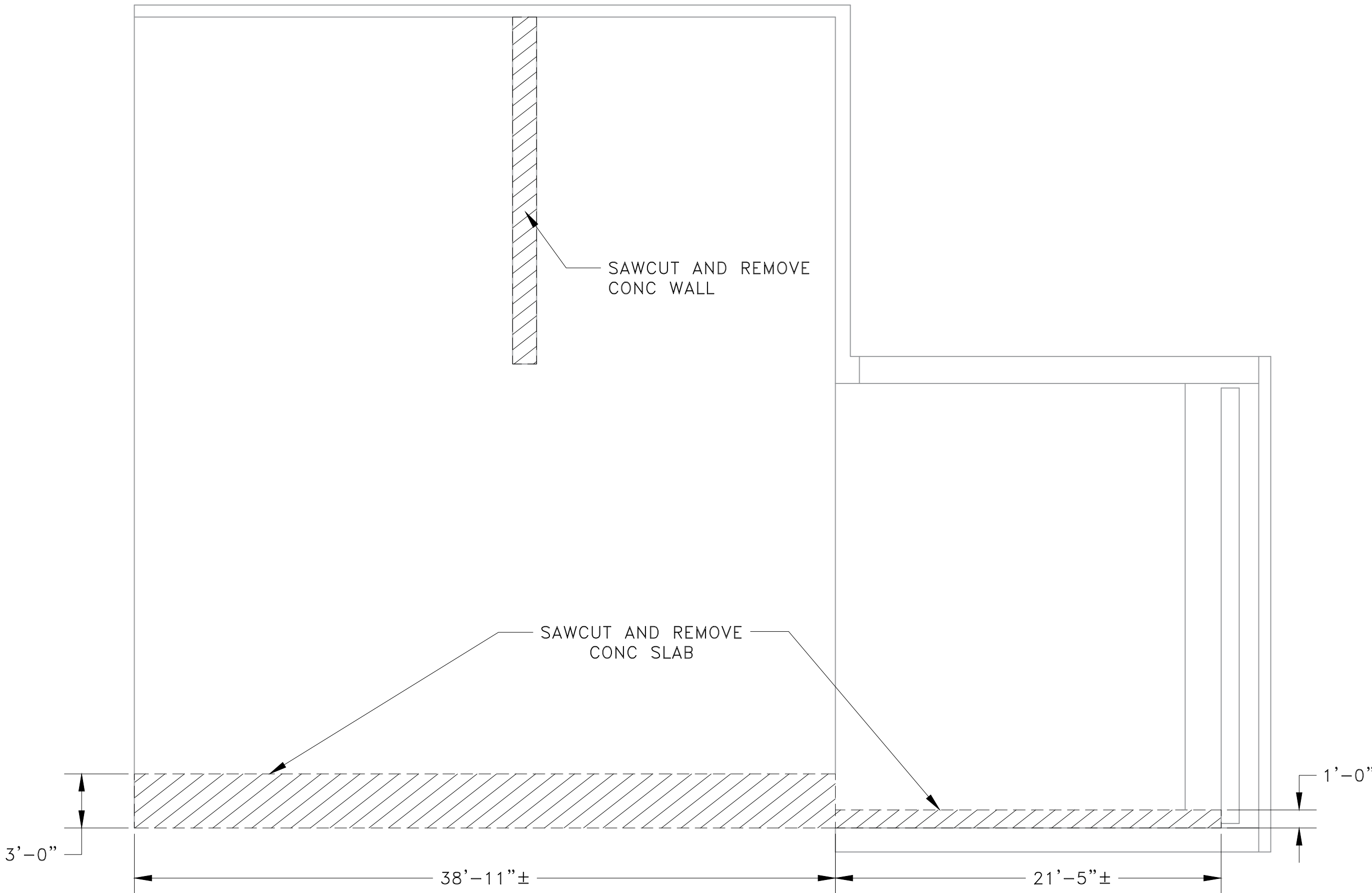
* TOP BARS ARE HORIZONTAL BARS PLACED ABOVE MORE THAN 12 INCHES OF FRESH CONCRETE. HORIZONTAL WALL REINFORCING BARS ARE CONSIDERED TOP BARS.

REMODELING WORK:

1. EXISTING FACILITY DIMENSIONS AND ELEVATIONS ARE SHOWN FOR REFERENCE ONLY. FIELD VERIFY AS BUILT CONDITIONS PRIOR TO CONSTRUCTION.
2. PROVIDE TEMPORARY SHORING OF EXISTING STRUCTURE AS REQUIRED DURING CONSTRUCTION.
3. REMOVE AND DISPOSE OF EXISTING CONCRETE AND EMBEDDED ITEMS AS REQUIRED FOR PROPOSED WORK.
4. SANDBLAST AND CLEAN NEWLY EXPOSED CONCRETE AND REINFORCING BAR SURFACES ON STRUCTURE TO REMAIN.



REMOVE GREASE TRAP
SEE SHEET C-1



DEMOLITION PLAN

SCALE: 3/16" = 1'-0"

Acad Version : P24.3s (LWS Tech)
User Name : cbrun
Date\Time : Fri, 11 Jul 2025 10:19am
Plot Name : P:\UTCD\2401618-Vacuum Truck Dump Pit Improvements\00-Design\14-CAD\01-Civil\3D\01_Slits-Plans\2401618_S-1.dwg
Current Plotstyle : BxColor
Truck Dump Pit Improvements\00-Design\14-CAD\01-Civil\3D\01_Slits-Plans\2401618_S-1.dwg
Layout Tab: S-1

NO.	DATE	ISSUED FOR	APR'V'D BY	DESIGNED: CLP
				DRAWN: CLP
				CHECKED: CAB
				APPROVED:

CHARLES A. BRUNNER
No. 90674



VERIFY SCALE

1"

BAR IS ONE INCH ON FULL SIZE (22x34) ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.

ENGINEER NO.: 2401618

CLIENT PROJECT NO.: N20029

CAD REF.: 2401618_S1.dwg

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT VACUUM TRUCK DUMP PIT IMPROVEMENT	
STRUCTURAL GENERAL NOTES AND DEMOLITION PLAN	



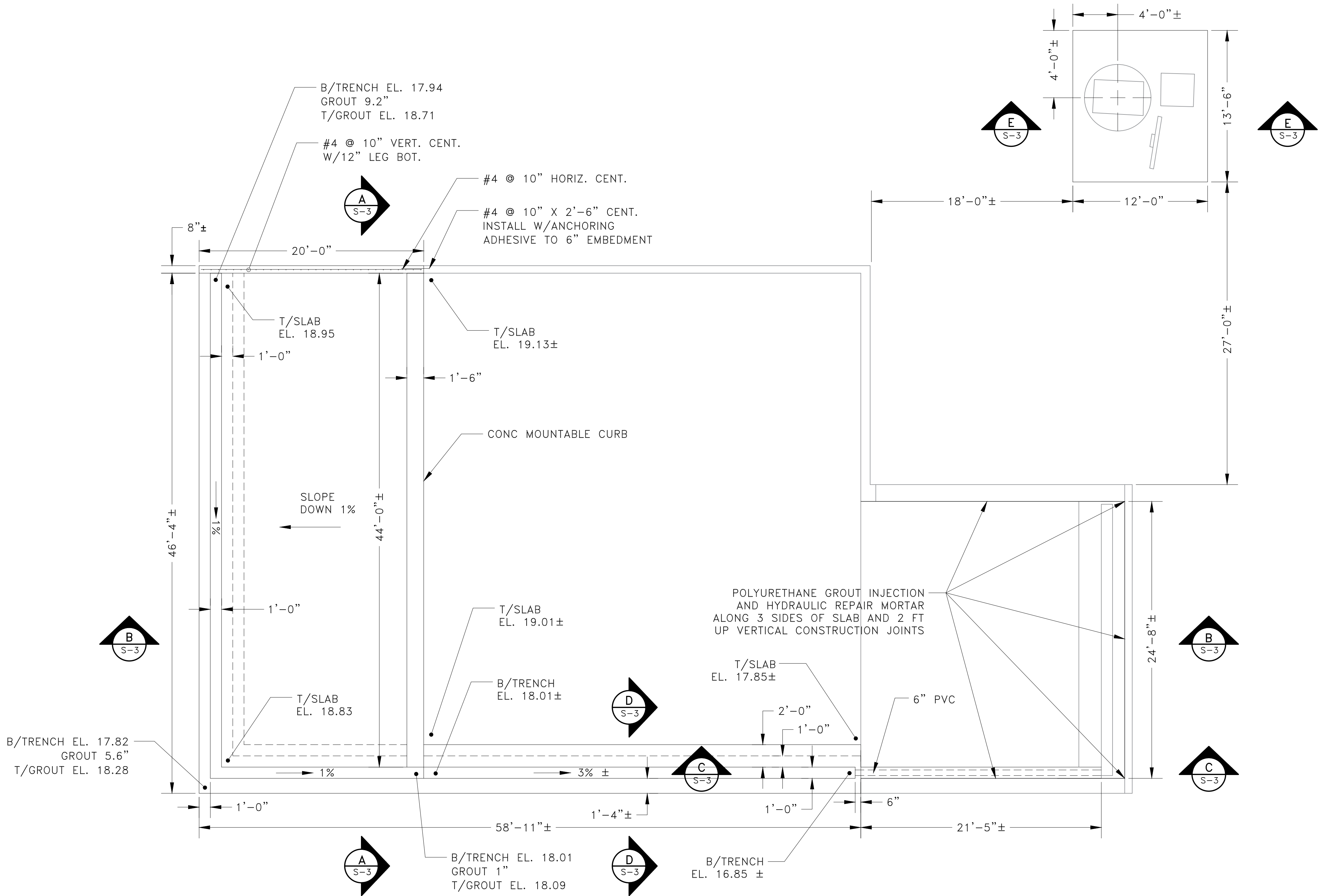
DATE: JULY 2025

SHEET: 9 of 11

DRAWING: S-1

BID SET DRAWINGS

Acad Version : P24.3s (LMS Tech)
User Name : cbrun
Date\Time : Fri, 11 Jul 2025 10:19am
Plot Name : P:\LRCAD\2401618-Vacuum Truck Dump Pit Improvements\00-Design\114-CAD\01-Civil 3D\01_Slts-Plans\2401618_S-2.dwg
Current Plotstyle : BColor
Layout Tab: S-1



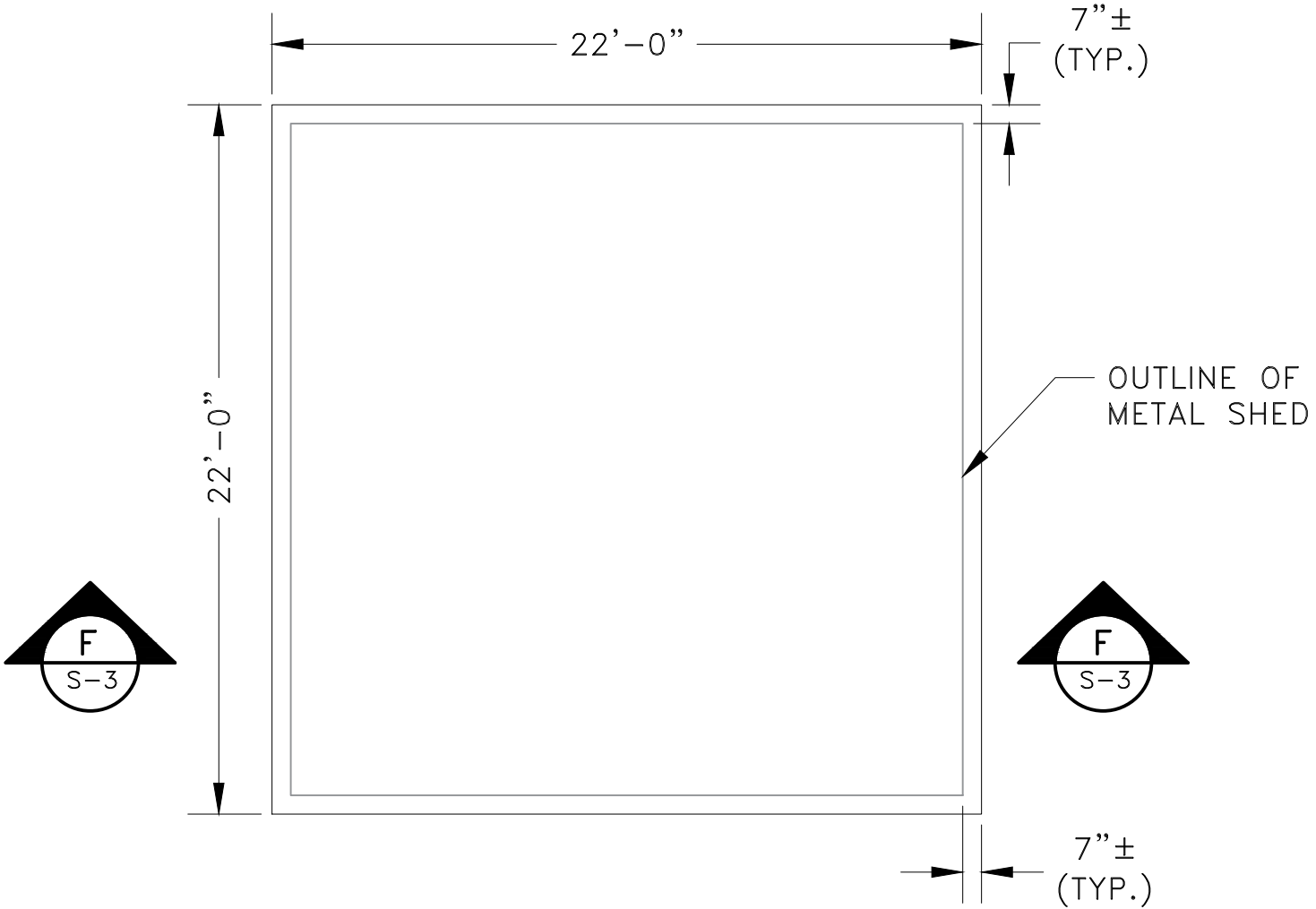
PLAN

SCALE: 3/16" = 1'-0"

METAL SHED CONCRETE SLAB PLAN

SCALE: 3/16" = 1'-0"

NOTE: ANCHOR SHED FRAME TO CONCRETE SLAB WITH FASTENER TYPE, SIZE AND SPACING TO MATCH EXISTING



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				CHECKED: CAB
				APPROVED:

CHARLES A. BRUNNER
No. 90674



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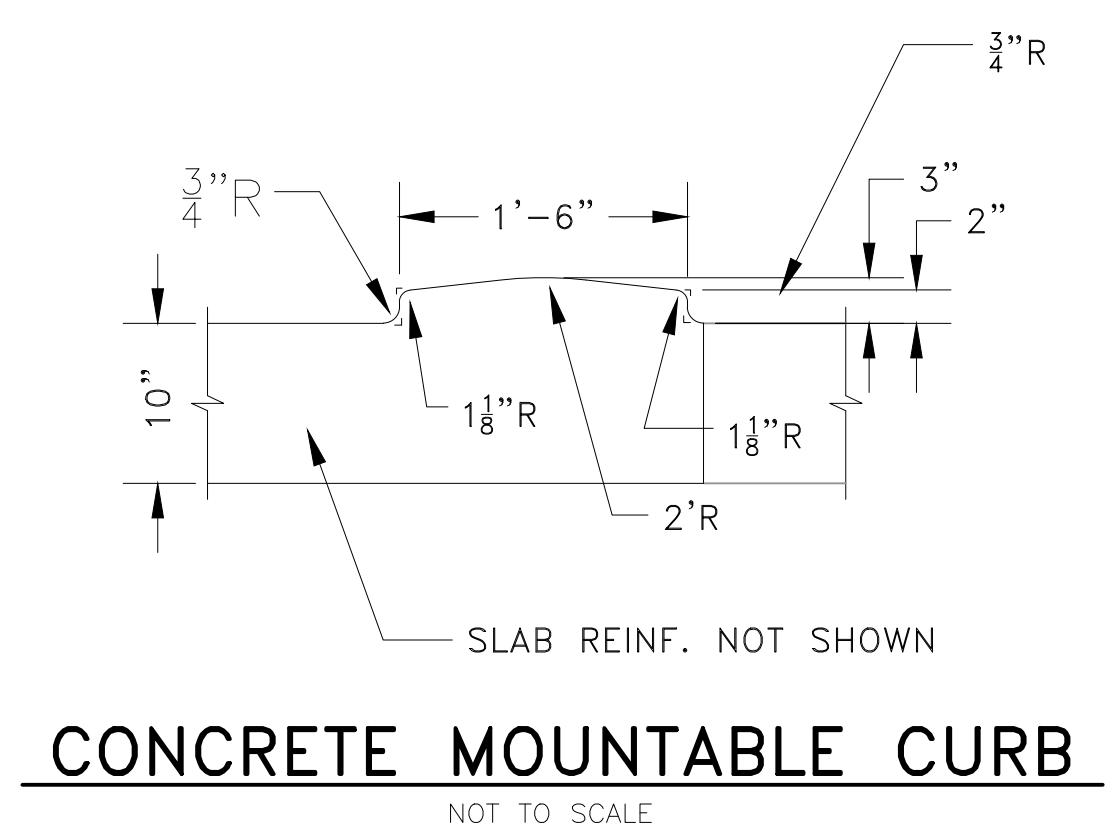
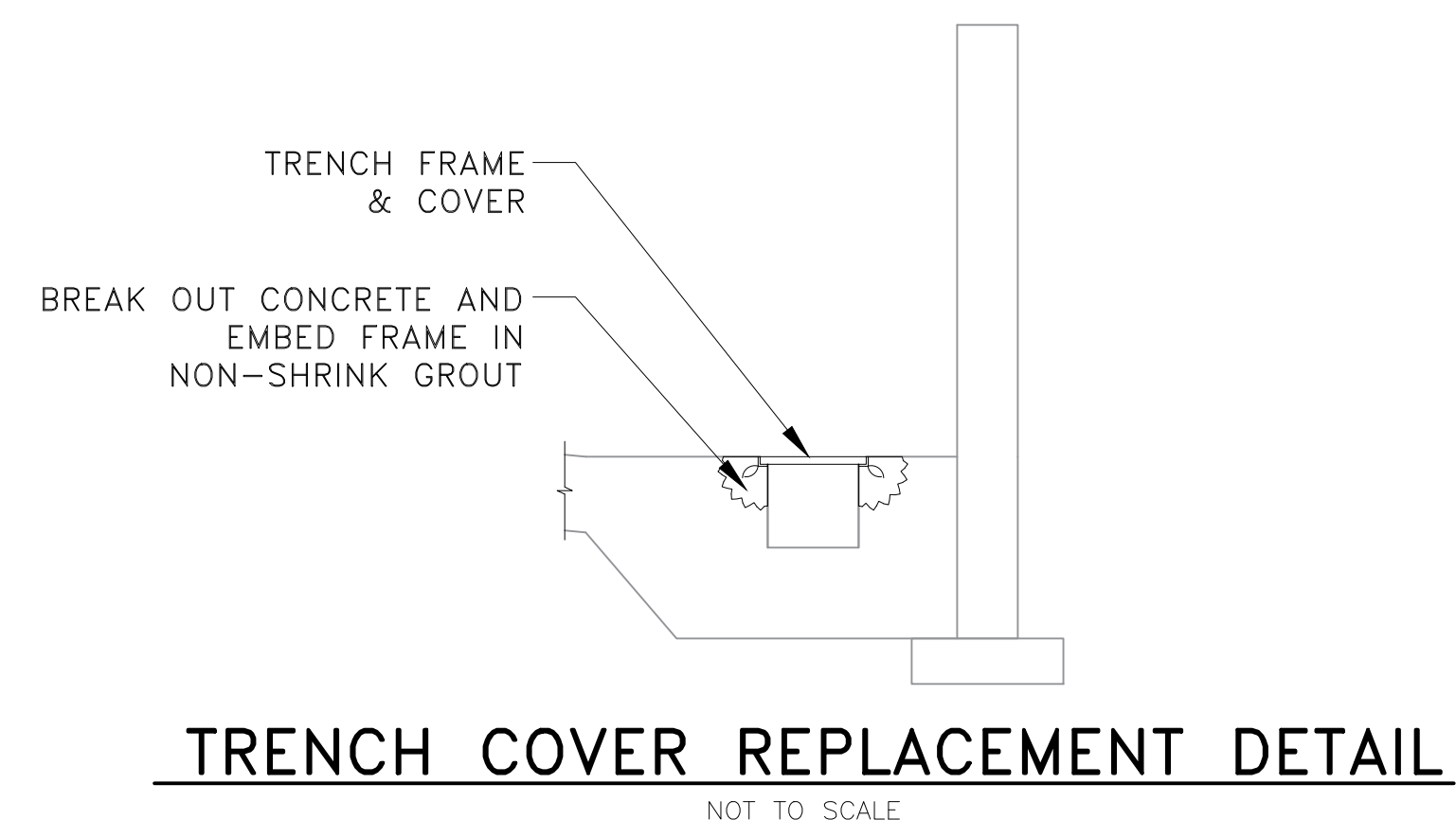
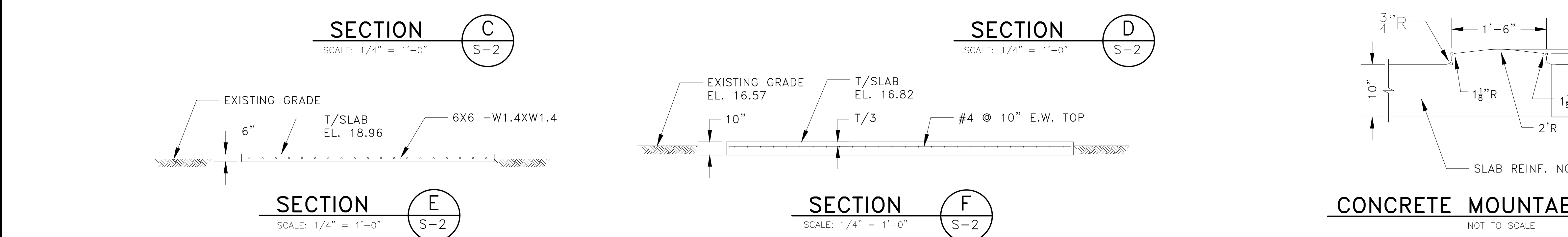
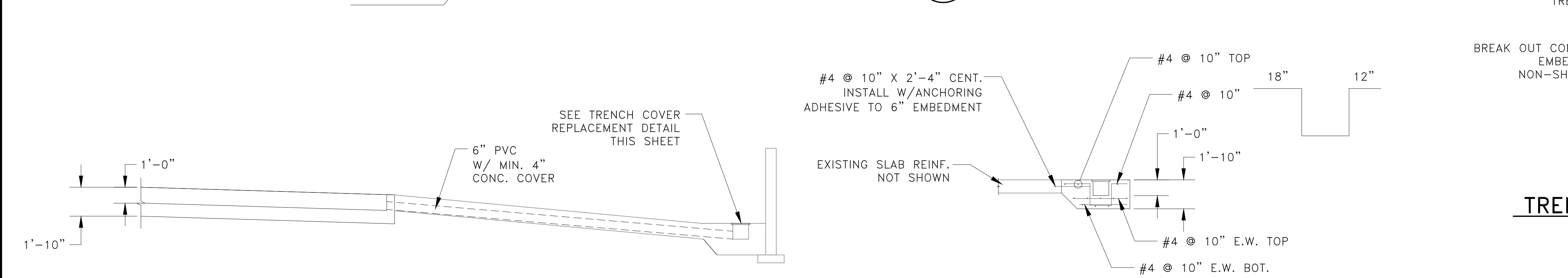
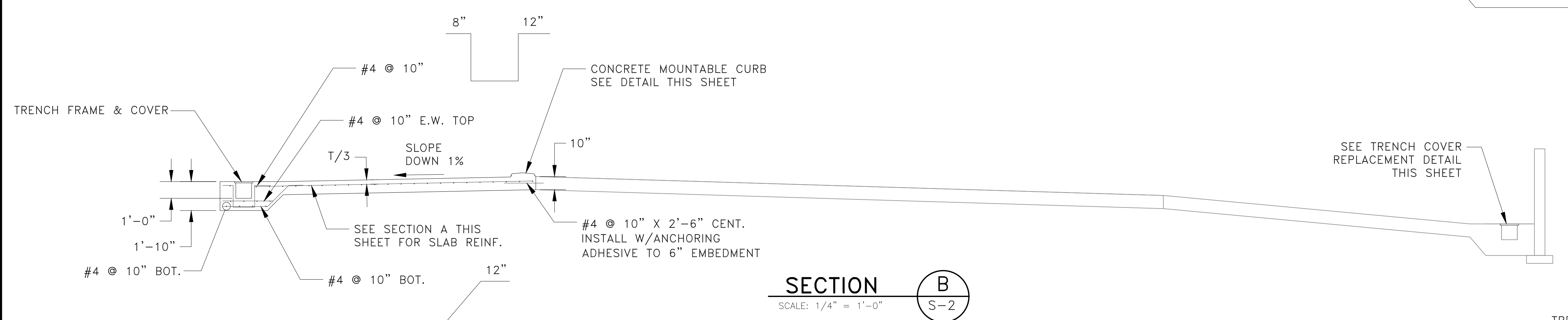
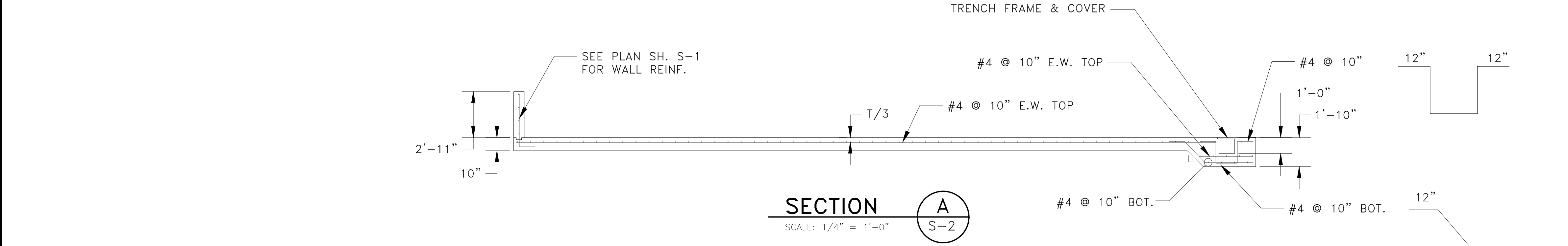
ENGINEER NO.:
CLIENT PROJECT NO.:
CAD REF.:

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT VACUUM TRUCK DUMP PIT IMPROVEMENT
STRUCTURAL PLANS

DATE: JULY 2025
SHEET: 10 of 11
DRAWING: S-2



Acad Version : P24.3s (LMS Tech)
User Name : dpham
Date/Time : Fri, 11 Jul 2025 10:19am
Path Name : F:\PROJECTS\2401618-Vacuum Truck Dump Pit Improvements\14-CAD\14-CONCRETE\14-CONCRETE.dwg
Current Plotstyle : B0Color
Layout Tab: 2401618_S2 - S-2
File Name : 2401618_S3.dwg



NO.	DATE	ISSUED FOR	APRV'D BY	DESIGNED: CLP	CHARLES A. BRUNNER No. 90674	BAXTER & WOODMAN Consulting Engineers 1601 Forum Place, Suite 400, West Palm Beach, Florida 33401 Phone: 561-655-6175 • Fax: 561-655-6179 www.baxterwoodman.com EB-31795	VERIFY SCALE	ENGINEER NO.: 2401618	LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT VACUUM TRUCK DUMP PIT IMPROVEMENT	DATE: JULY 2025
				DRAWN: CLP			1" BAR IS ONE INCH ON FULL SIZE (22x34) ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.	CLIENT		SHEET: 11 of 11
				CHECKED: CAB				PROJECT NO.: N20029	STRUCTURAL SECTIONS & DETAILS	DRAWING: S-3
				APPROVED:				CAD REF.: 2401618_S3.dwg		

BID SET DRAWINGS