

CITY OF RAYMORE

100 Municipal Circle · Raymore, MO. 64083
Phone · 816-892-3045 · Fax · 816-892-3093



ADDENDUM NO. 3

T.B. Hanna Station Site Work

Project #19-276-203A

All plan holders are hereby notified and agree by signature below, that the proposal includes consideration of the following changes, amendments, and/or clarifications and costs associated with these changes and are included in the proposal.

Addendum No. 3 - Revised proposal forms, Plan sheets, and Questions

1. Revised Bid Proposal Form E: See Attached

2. Revised Plan Sheets: See Attached

- C050
- C400
- C410
- C500
- C501
- C502
- E100
- P100

3. Question: On the tree removal, will the stumps need to be excavated or ground below the grade surface?

Answer: Stumps are to be ground below the surface at least 6 to 8 inches.

Any other questions regarding this proposal shall be submitted to Margie Sullivan by email at msullivan@raymore.com. There will be no questions allowed after October 4th, 2019 at 5 p.m.

I hereby certify that the above have been considered and associated costs have been included in this bid.

Company Name: _____

By: _____

Title: _____

Address: _____

City, State, Zip: _____

Date: _____ Phone: _____

Signature of Bidder: _____

ADDENDUM MUST BE SUBMITTED WITH BID

***REVISED**REVISED* BID PROPOSAL FORM E – Project No. 19-276-203A**

T.B. Hanna Station Site Work

Base Bids

PROJECT WIDE COSTS

Bid Items	Quantiy	Units	Total
Mobilization	1	EA.	\$
Insurance and Bonding	1	EA.	\$
Contractor Staking	1	L.S.	\$
Concrete Testing	10	EA.	\$
Construction Fencing - 6ft Chain Link	1500	L.F.	\$
Sub Total			\$

SITE DEMOLITION & EROSION CONTROL

Bid Items	Quantiy	Units	Total
Tree Removal	10	EA.	\$
Retaining Wall Removal	1	L.S.	\$
Erosion Control	1	L.S.	\$
Sod Removal	38275	S.F.	\$
Sub Total			\$

PREFAB BUILDING SITE PREPARATION

Bid Items	Quantiy	Units	Total
Over-Excavation of Building Footing	62.5	C.Y.	\$
Building Footing - Include Sleeves	282	S.F.	\$
Concrete Drain Pit Under Prefab Building	51	S.F.	\$
2'x6'-6" Drain Pit Floor	1	L.S.	\$
Engineered Backfill	51	C.Y.	\$
Stockpiled Sand	50	C.Y.	\$
Building Electrical	1	L.S.	\$
Sub Total			\$

Sprayground Site Preparation

Bid Items	Quantiy	Units	Total
Earthwork - Cut	30	C.Y.	\$
Earthwork - Fill	100	C.Y.	\$
Sprayground Aggregate Subbase	50	C.Y.	\$
Sprayground Concrete	3038	S.F.	\$
Sprayground Thickened Edge	227	L.F.	\$
Sub Total			\$

Playground Site Preparation

Bid Items	Quantiy	Units	Total
Earthwork - Cut	120	C.Y.	\$
Earthwork - Fill	165	C.Y.	\$
Subdrainage Piping to Daylight	137	L.F.	\$
Playground Edger	246	L.F.	\$
Sub Total			\$

SITE WORK

Bid Items	Quantiy	Units	Total
1" Copper Water Service	30	L.F.	\$
1" Backflow Preventer	1	EA.	\$
1 1/2" Copper Water Service	60	L.F.	\$
Sanitary Sewer Encasement	20	L.F.	\$
6" PVC Sanitary Service	110	L.F.	
Earthwork - Cut	135	C.Y.	\$
Earthwork - Fill	165	C.Y.	\$
Culvert at Sprayground (with 2 end sections)	1	EA.	\$
6' Concrete Walk to Playground Site (4" thick)	4131	S.F.	\$
Concrete Walk - Trail (4" thick)	5015	S.F.	\$
Earthwork - Fill for retaining wall	30	C.Y.	
Modular Retaining Wall	228	Face Feet	
Sub Total			\$

TOTAL ALL SECTIONS - BASE BID

Project Wide Costs	Sub Total:	\$
Site Demolition & Erosion Control	Sub Total:	\$
Prefab Building Site Preparation	Sub Total:	\$
Sprayground Site Preparation	Sub Total:	\$
Playground Site Preparation	Sub Total:	\$
Site Work	Sub Total:	\$
Total Base Bid:		\$

Total Base Bid for 19-276-203A

\$ _____

In blank above insert numbers for the sum of the bid.

\$ _____

In blank above write out the sum of the bid.

***REVISED**REVISED* BID PROPOSAL FORM E – RFP 19-276-203A
CONTINUED**

Company Name _____

By _____
Authorized Person's Signature

Print or type name and title of signer

Company Address _____

Phone _____

Fax _____

Email _____

Date _____

ADDENDA

Bidder acknowledges receipt of
the following addendum, if any:

Addendum No. _____

Addendum No. _____

Addendum No. _____

Addendum No. _____

Addendum No. _____

Addendum No. _____

LATE BIDS CANNOT BE ACCEPTED!

Park Improvements

T.B. Hanna Station Park

City of Raymore
Cass County, Missouri

Index of Sheets:

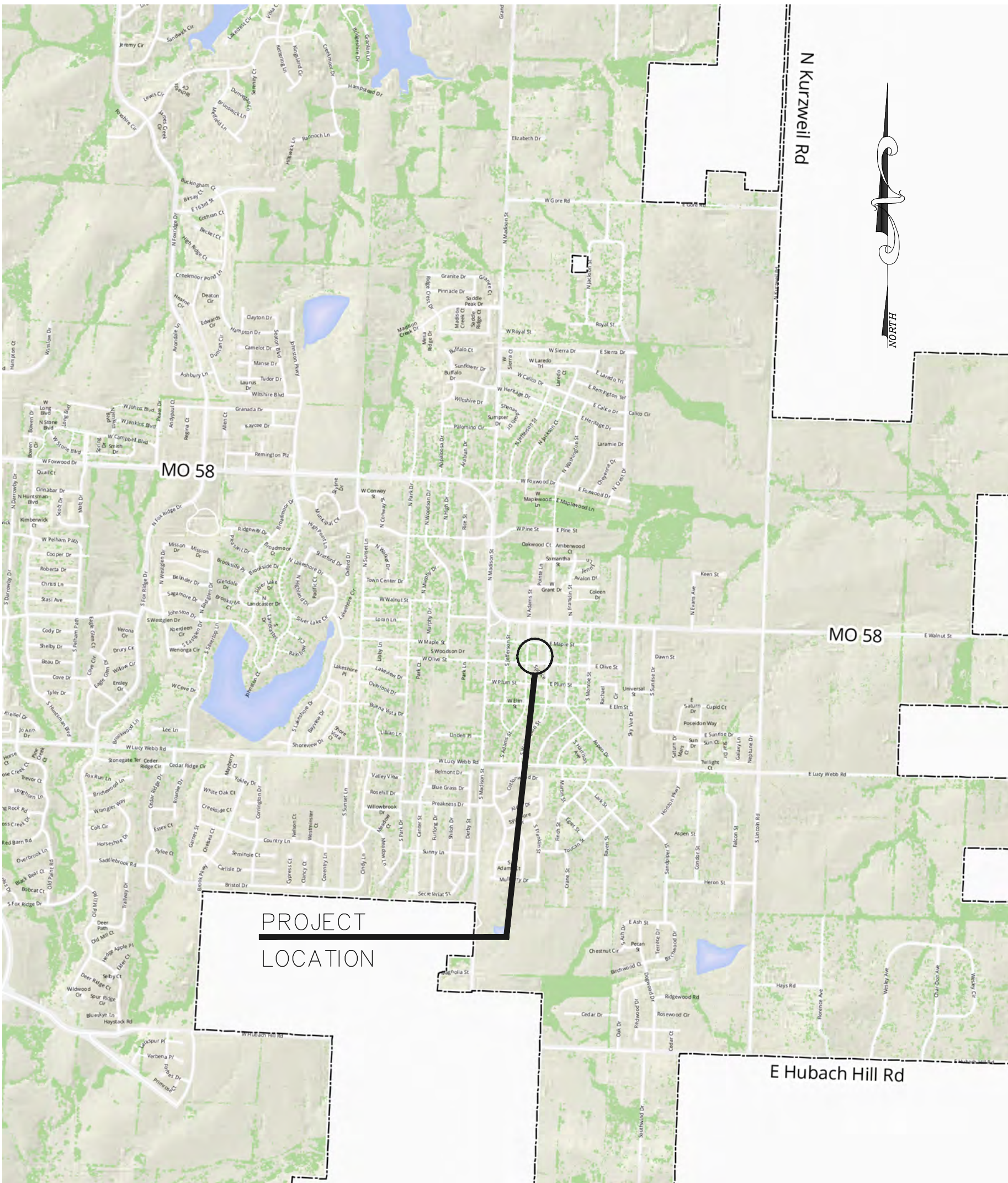
Cover Sheet	C000
Boundary and Topographic Survey	SUR01
Demolition Plan	C050
Site Layout	C100-C101
Grading Plan	C200-C201
Erosion Control Plan	C300
Sprayground Concrete Pavement Layout	C400
Drain Pit Details	C410
Site Details	C500
Prefab Building Details	C501
Prefab Building Foundation	C502
Electrical Plan	E100
Plumbing Plan	P100
Plumbing Details	P200
Landscape Plan	L100

Approximate Quantities:

ITEM	DESCRIPTION	QTY.	UNIT
PROJECT WIDE COSTS			
1.	MOBILIZATION	1	L.S.
2.	CONTRACTOR STAKING	1	L.S.
3.	PORTABLE TOILET - PROVIDED BY CITY	0	EA.
4.	CONCRETE TESTING	10	EA.
5.	INSURANCE AND BONDING	1	L.S.
SITE DEMOLITION AND EROSION CONTROL			
6.	TREE REMOVAL	10	EA.
7.	RETAINING WALL REMOVAL	1	L.S.
8.	EROSION CONTROL	1	L.S.
9.	SOD REMOVAL	38275	S.F.
10.	TREE PROTECTION	3	EA.
PREFAB BUILDING SITE PREPARATION			
11.	OVER-EXCAVATION OF BUILDING FOOTING	62.5	C.Y.
12.	BUILDING FOOTING - INCLUDE SLEEVES	282	S.F.
13.	CONCRETE DRAIN PIT UNDER PREFAB BUILDING	51	S.F.
14.	2'X6'-6" DRAIN PIT FLOOR	1	L.S.
15.	ENGINEERED BACKFILL	51	C.Y.
16.	STOCKPILED SAND	3.5	L.S.
SPRAYGROUND SITE PREPARATION			
19.	EARTHWORK - CUT	30	C.Y.
20.	EARTHWORK - FILL	100	C.Y.
21.	SPRAYGROUND AGGREGATE SUBBASE	50	C.Y.
22.	SPRAYGROUND CONCRETE	3038	S.F.
23.	SPRAYGROUND THICKENED EDGE	227	L.F.
PLAYGROUND SITE PREPARATION			
23.	EARTHWORK - CUT	120	C.Y.
24.	EARTHWORK - FILL	20	C.Y.
25.	SUBDRAINAGE PIPING TO DAYLIGHT	137	L.F.
26.	PLAYGROUND EDGER	246	L.F.
MISCELLANEOUS SITE DESIGN			
23.	EARTHWORK - CUT	135	C.Y.
24.	EARTHWORK - FILL	165	C.Y.
25.	CULVERT AT SPRAYGROUND	1	E.A.
26.	8' CONCRETE WALK TO PLAYGROUND SITE (4" THICK)	4131	S.F.
27.	CONCRETE WALK - TRAIL (4" THICK)	5015	S.F.
28.	RIP RAP	0.4	C.Y.
29.	EARTHWORK - FILL FOR RETAINING WALL	30	C.Y.
30.	MODULAR RETAINING WALL	228	FACE FEET

Location Map:

Scale: 1"=2000'



General Notes:

- All work shall be coordinated with the work of other trades.
- This is a City project. Permits are required, but no fees for permits will be accessed.
- The utility locations shown on the plans are approximate and may not include all lines present. The contractor shall be responsible to coordinate with local utility companies and accurately field locate existing utility lines on the site before beginning construction operations. The contractor may call 1-800-dig-safe for utility location assistance and should allow an ample amount of time for the utility company representatives to identify and mark their lines. The contractor shall be responsible for damage to existing utility lines.
- The contractor shall also verify topographic features and report any discrepancies of these features and utilities with the engineer prior to beginning construction.
- All quantities shall be verified by the contractor.
- The contractor shall maintain positive drainage during construction and is responsible for all dewatering necessary for construction.
- All excavation shall be considered as unclassified excavation.
- All construction staking shall be provided by the contractor.

Earthwork and Concrete General Notes

- Construct concrete building footing per sheet C401. Install sleeves for 2", 4" and 6" sewer lines, 1-1/2" potable water line to the building, 1" potable water line to the underground tank, and electrical feed into building.
- Fill building subbase area within the footing perimeter with engineered fill or native soil compacted to 95% modified proctor density to a maximum of 2-inches below the top of footing.
- Public Restroom Company installers will provide water and sewer piping from the 6-foot building line through footing to prefab building connection points. Public Restroom Company installers will provide electrical conduit from 6-foot line through footing through floor area below electrical panel. After Public Restrooms Company installers have set the prefab building, contractor shall connect all utilities at the 6-foot building line. Contractor to pull electrical and connect power to prefab building electric panel.
- Sprayground contractor will install all plumbing, electrical lines, drain lines, trench backfill and concrete footings for feature embeds.
- Coordinate timing of sprayground contractor with site preparation.
- Install the 8-inch clean compacted aggregate as detailed on drawing C400. Install 6-inch thick sprayground concrete pad per drawing C400 with 18-inch thickened edge per details 4 and 5.

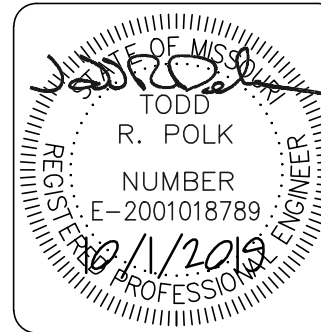
Utility Information:

Power:	Kansas City Power & Light 816.471.5275	Telephone:	AT&T Jeff Prosser (Construction) 816.261.3937 jp1458@att.com
Street Lights:	City of Raymore 816.331.2377		
Water:	City of Raymore 816.331.2377		Curtis Calderwood (Engineering) 785.276.6140 cc6178@att.com
Sewer:	City of Raymore 816.331.2377		
Cable:	Comcast 800.934.6489		
Gas:	Spire 816.756.5252		



Regardless of what utilities are shown in the bidding documents and utility locations listed, the bidder shall contact each area utility to determine the presence and location of the utility lines. The bidder shall determine and shall assume the risk as to whether utilities that are to be relocated by the utility company have in fact been relocated and if not, when the utility company anticipates the relocation shall be completed. The bidder shall independently determine the reliability of the information received from the utility companies and shall make the determination as to the sequence and timing of utility relocations in determining a bid.

ENGINEERS



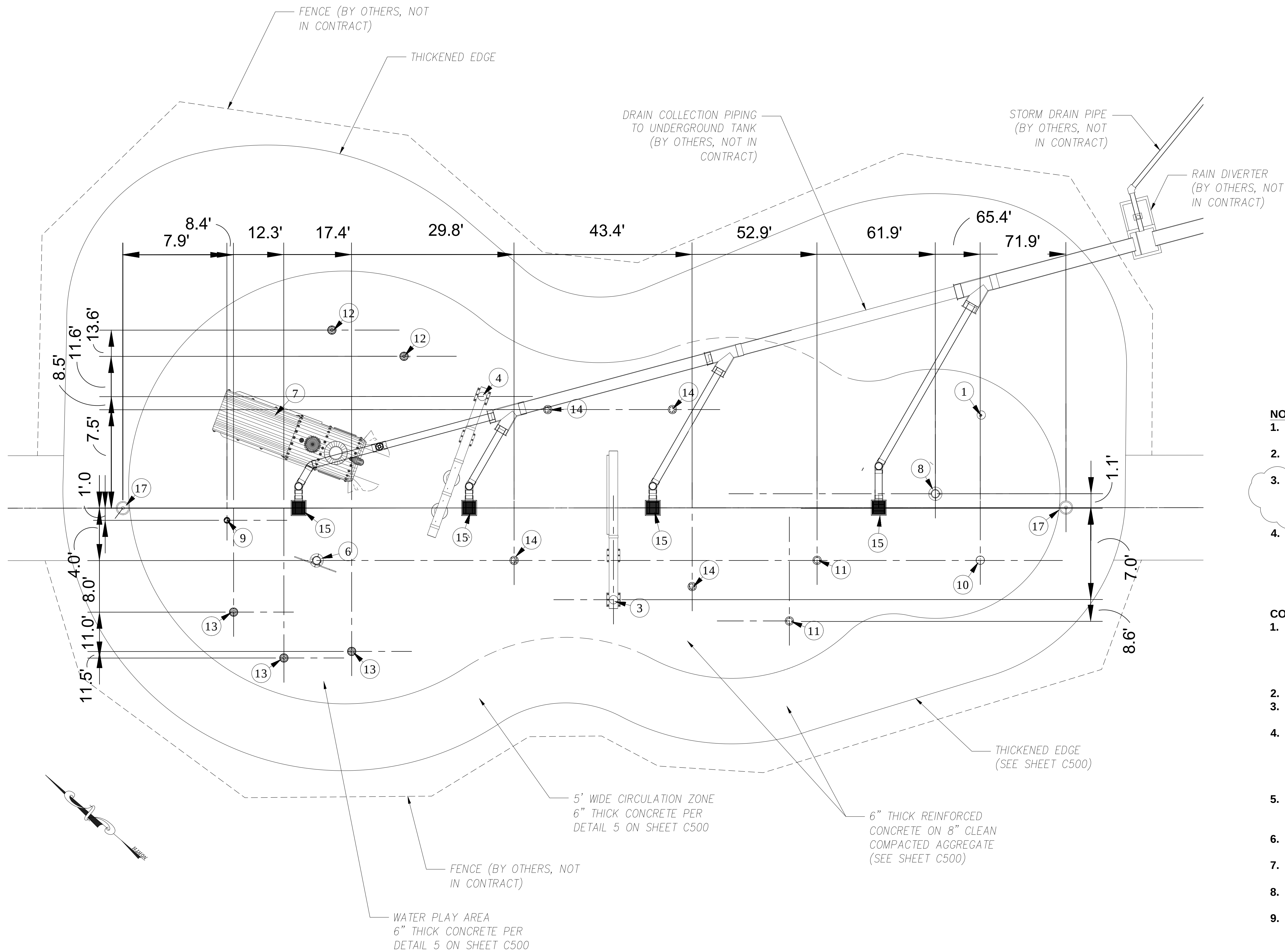
Mark	ADDENDUM #3	Date
		10/1/19

Designed by: TRP	Dwn by: EOD	Dates: 10/1/19	Reviewed by: TRP	Plot scale: N/A	File name: 180073-SH-C000-COVER.dwg
T.B. HANNA STATION PARK RAYMORE, MISSOURI			Park Improvements		

COVER SHEET

Sheet
reference
number:

C000



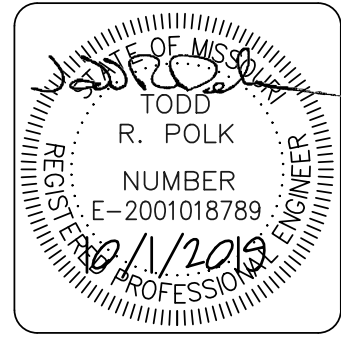
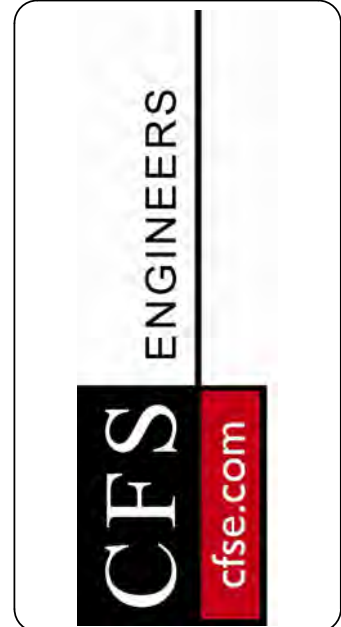
- NOTES:**
1. COORDINATE PLUMBING WITH SPRAYGROUND INSTALLER ON SITE DURING CONSTRUCTION.
 2. SPRAYGROUND INSTALLER WILL SET ALL JETS AND SPRAYS (THIS SCOPE NOT IN CONTRACT)
 3. SPRAYGROUND INSTALLER WILL PLACE CONCRETE FOR SPRAYGROUND FEATURE FOOTINGS, JET FOOTINGS, DRAIN SETTING AND THRUST BLOCKS. (THIS SCOPE NOT IN CONTRACT)
 4. THIS CONTRACT INCLUDES PLACEMENT OF SUBBASE ROCK AND CONCRETE PAVEMENT AROUND SPRAYGROUND FEATURES

- CONCRETE NOTES:**
1. WATERPLAY CONCRETE PAD DIMENSIONS AND ORIENTATION ARE TO BE USED AS A REFERENCE. THEY MAY BE ALTERED TO ACCOMMODATE EXISTING FIELD CONDITIONS. CONTACT CITY BEFORE ALTERING DIMENSIONS.
 2. ALL CONCRETE SHALL BE KCMMB 4K.
 3. GRADE SHALL BE SLOPED 2% FROM THE WATERPLAY PAD PERIMETER TO THE MAIN DRAINS.
 4. A 5 FOOT OVERSPRAY BUFFER IS INCORPORATED BETWEEN THE WATERPLAY PAD PERIMETER AND THE INTENDED AREA OF INFLUENCE OF THE WATERPLAY FEATURES. THE BUFFER ZONE IS INCLUDED IN THE OVERALL DIMENSIONS OF THE WATERPLAY PAD.
 5. ALL REINFORCEMENT STEEL SHALL BE SUPPLIED AND PLACED IN ACCORDANCE WITH ACI 318-99, AND CRSI MSP-1-01.
 6. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60.
 7. EACH WATER FEATURE SHALL BE LOCATED WITHIN A SINGLE PANEL OF CONCRETE, UNLESS OTHERWISE NOTED.
 8. OMNIPOD JET COVER MUST BE CAST FLUSH AND LEVEL WITH THE FINISHED CONCRETE SURFACE.
 9. SURFACE SPRAY NOZZLES SHALL BE CAST FLUSH AND LEVEL WITH THE FINISHED CONCRETE SURFACE.



2121 COTTAGE ST. ASHLAND, OHIO 44805
419.207.1229 WWW.RAIN-DROP.COM

PROJECT #	DWG NO
16427	16427-2018-1MO-RAYMORE-TB HANNA STATION PARK



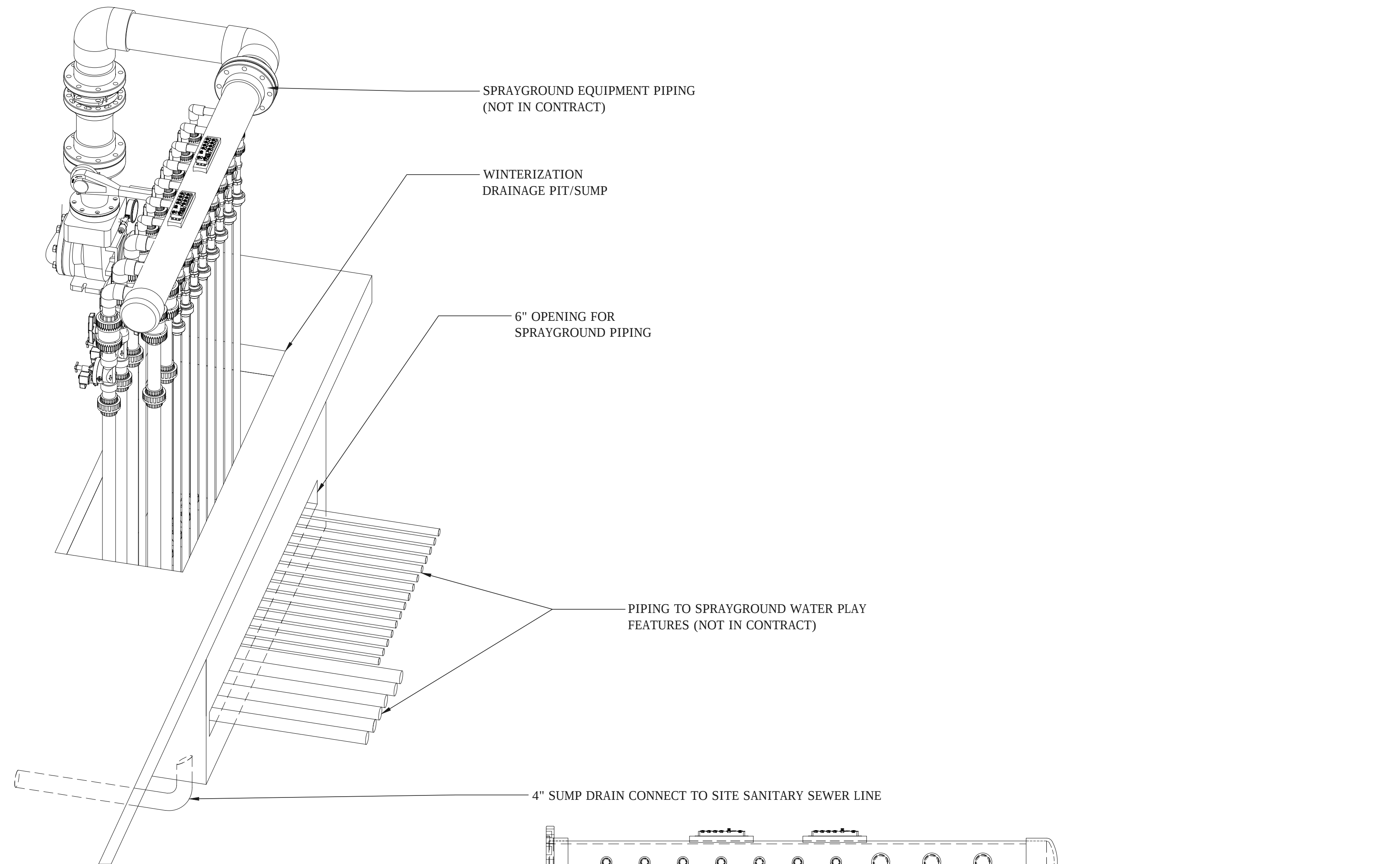
Mark	Description	Date
A	ADDENDUM #3	10/1/19

T.B. HANNA STATION PARK RAYMORE, MISSOURI	Designed by: JES	Date: 10/1/19
	Dim by: JES	Reviewed by: TRP
Park Improvements	Submitted by: JES	Plot scale: 1" = 4'-0"
	File name: 16427-2018-1MO-RAYMORE-TB HANNA STATION PARK.dwg Plot date: 10/1/19	

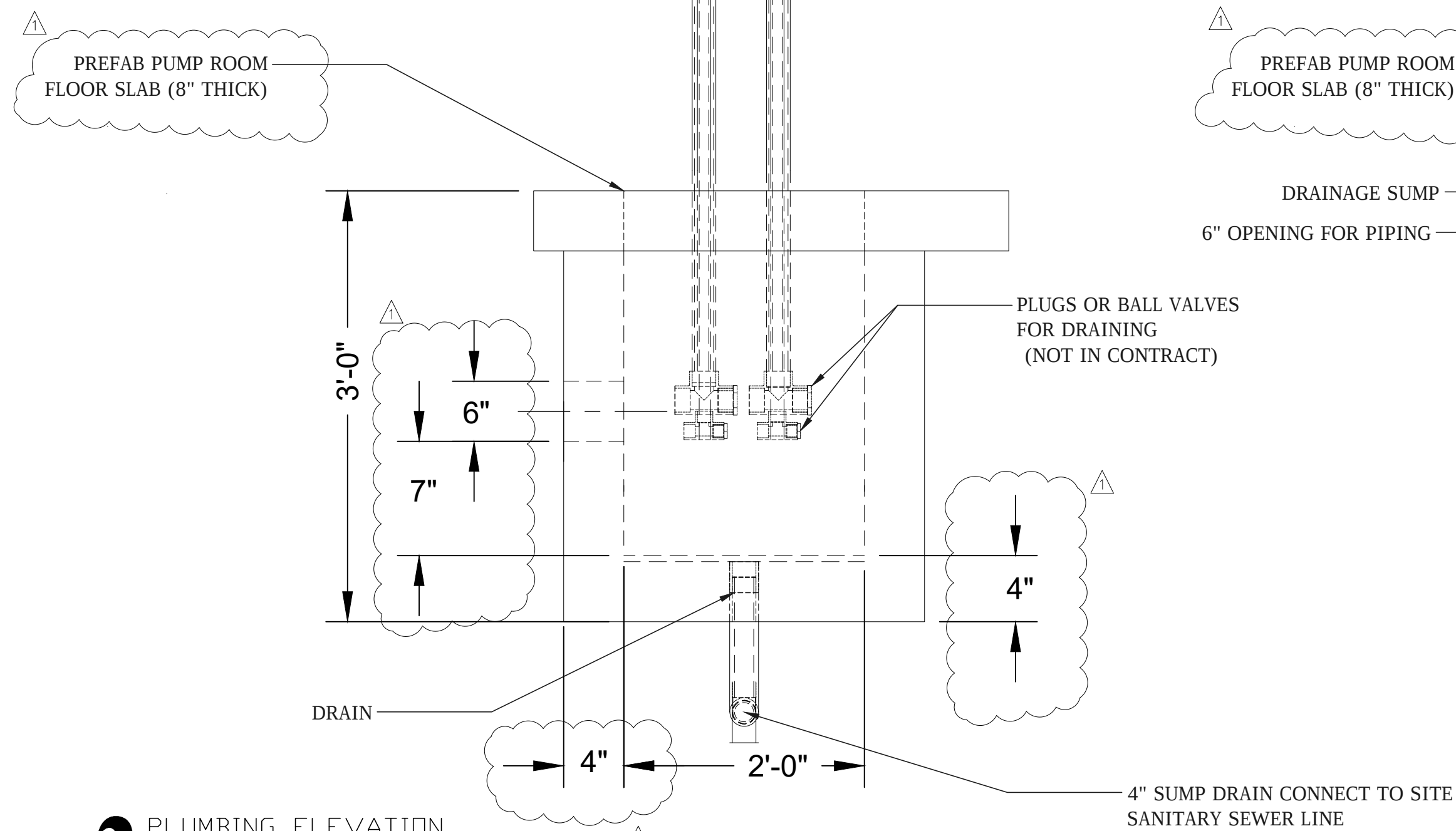
SPRAYGROUND CONCRETE
PAVEMENT LAYOUT

Sheet
reference
number:
C400

1 PLUMBING ISOMETRIC
NTS

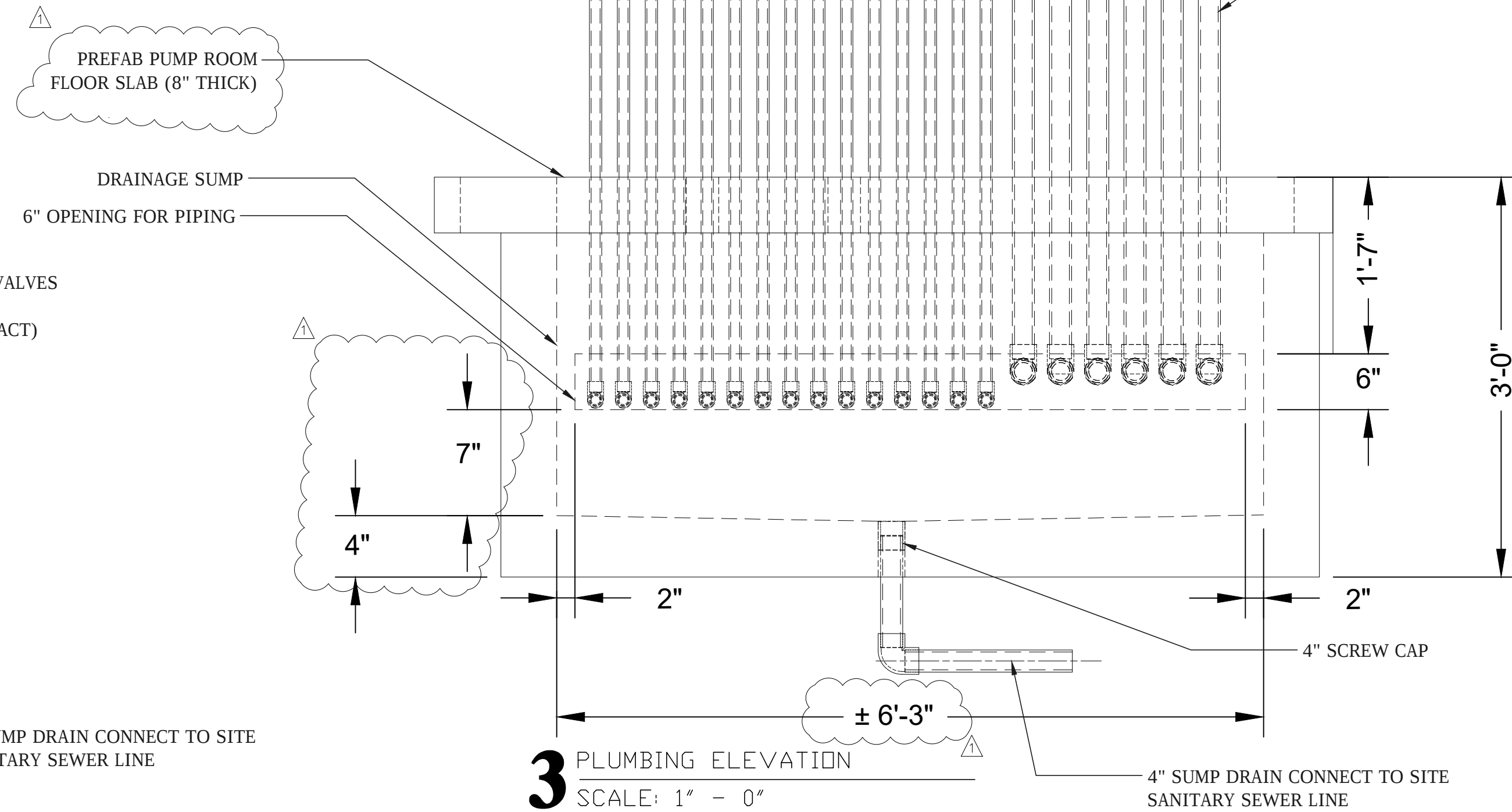


PLUMBING (NOT IN CONTRACT)



2 PLUMBING ELEVATION
SCALE: 1" = 0'

PLUMBING (NOT IN CONTRACT)



3 PLUMBING ELEVATION
SCALE: 1" = 0'



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PROJECT # 16427	DWG NO 16427-2018-1MO-RAYMORE-TB HANNA STATION PARK
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Mark	Description	Date
ADDENDUM #3		10/1/19

Designed by: JES	Date: 10/1/19	Reviewed by: TRP
Dwn by: JES	Ckd by: TRP	
Submitted by: JES	Plot scale: N/T	
File name: 16427-SH-C40-DRAN PIT DETAILS.dwg	Plot date: 10/1/19	
T.B. HANNA STATION PARK RAYMORE, MISSOURI	Park Improvements	

1 CONCRETE SIDEWALK SECTION
SCALE: NTS

2 PLAYGROUND SECTION

SCALE: NTS

- NOTES:**
1. PROVIDE 6-INCH TALL BLOCK SEGMENTAL BLOCK WALL PRODUCT AT THE LENGTH AND HEIGHT INDICATED (SEE SHEET C200-C201), INCLUDING CAPS.
 2. WALL AND CAP MANUFACTURER: PAVESTONE, MODEL: HARINGTON 3-PIECE UNIT SYSTEM OR APPROVED EQUAL, COLOR: SELECTED FROM MANUFACTURER'S STANDARD COLORS.
 3. CONTRACTOR SHALL PROVIDE ENGINEERED SHOP DRAWINGS FOR REVIEW AND ACCEPTANCE.

3 MODULAR BLOCK RETAINING WALL

4 SPRAYGROUND 12" DRAIN DETAIL

5 SPRAYGROUND PAVEMENT CONCRETE DETAILS

SCALE: NTS

[illegible]

STATION PARK RAYMOND, MISSOURI	10/1/19
Down by: EJO	Gkd by: TRP
Submitted by: TRP	Plot scale: N/A
File name: 86275-Sm-C500-SITE DETAIL 5.6mg Plot date: 10/1/19	

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		PROJECT:	T.B. HANNA STATION PARK RAYMORE, MO	PROJECT # 10345	CREATED BY
				MAXIMUM PERSON AN HOUR:	90 S

SITE CONTRACTOR NOTE:
BOTTOM OF PRE-FAB SLAB BUILDING MANUFACTURER IS DEAD FLAT. FOOTING TOP & COMPACTED BACKFILL MUST BE DEAD LEVEL
POUR FOOTING WITH LASER TRANSIT TO VERIFY TOP OF FOOTING. IF SHIM PLATE IS REQUIRED A CHANGE ORDER IS REQUIRED.

EXPANSION JOINT ADHERED TO BUILDING SLAB
 W/ FAST DRY EPOXY & SEAL WITH BEAD OF SL-1

SIDEWALK EXTERIOR SIDE FLUSH TO ENTRY

BUILDING WALL

ANGLE CONNECTION BRACKET
 (SEE DETAIL-C)

SIDEWALK BY OTHERS (NOT PRC)

1"Ø x BOLT - BOLTED TO ANGLE BEAM
 (BUILDING PERIMETER)
 TO ANCHOR SIDEWALK TO BUILDING
 BY OTHERS (NOT PRC)

1"Ø x 3" BOLT INTO COUPLER NUT
 WELDED TO FLOOR PERIMETER

2" x 5" MIN. WEDGE ANCHOR
 (SIMPSON WEDGE-ALL OR EQUAL)
 MIN 4" EMBEDMENT

CONNECTION TO FOUNDATION BY PRC

#4 REBAR WIRE TIED TO BOLT

5 1/2"

9"

CONCRETE FOOTING
 (ON-SITE)

18"

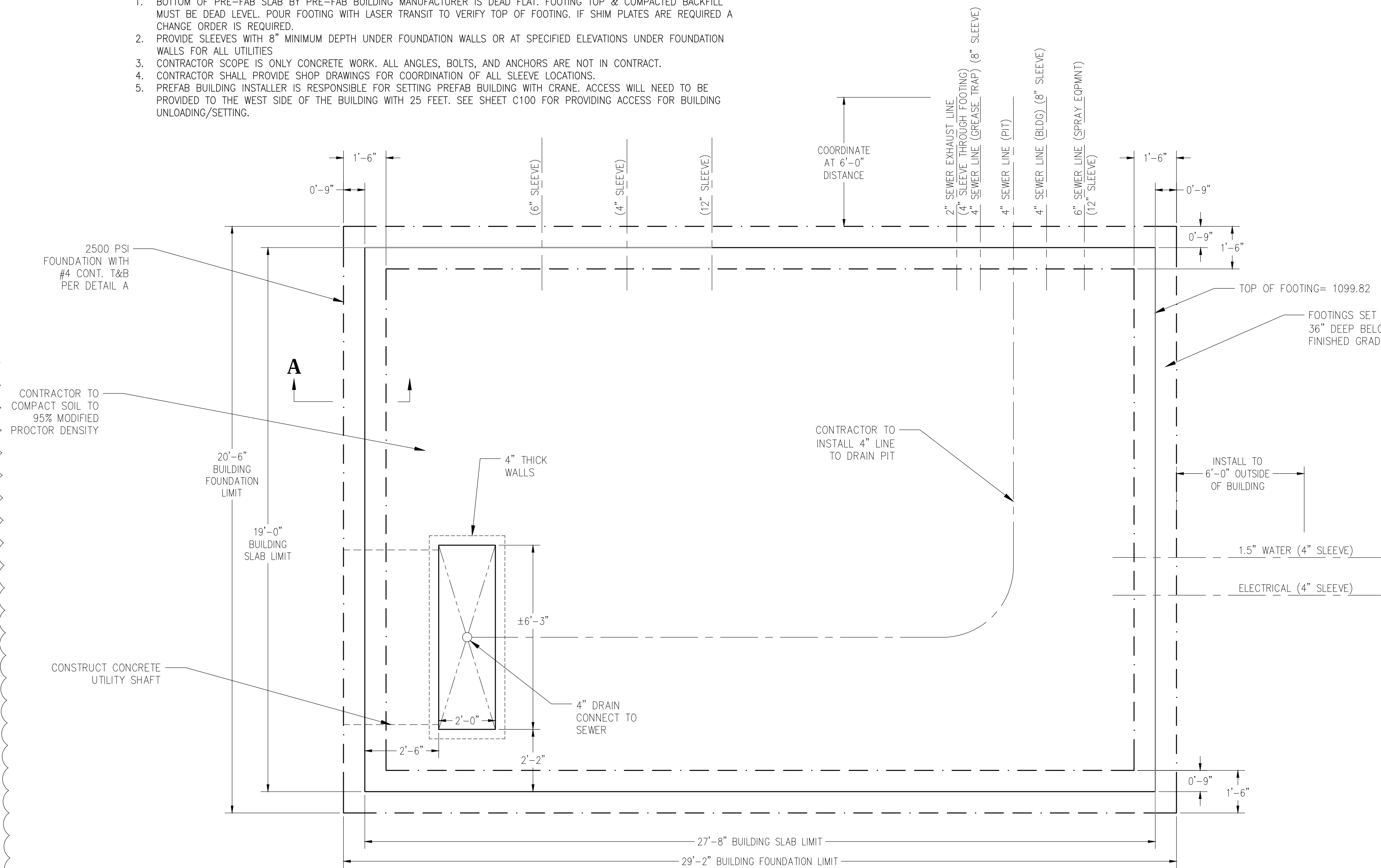
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	PROJECT: T.B. HANNA STATION PARK RAYMOND, MO	MAXIMUM PERSON AN HOUR: 90 S	

SITE CONTRACTOR NOTE:
BOTTOM OF PRE-FAB SLAB BUILDING MANUFACTURER IS DEAD FLAT. FOOTING TOP & COMPACTED BACKFILL MUST BE DEAD LEVEL
POUR FOOTING WITH LASER TRANSIT TO VERIFY TOP OF FOOTING. IF SHIM PLATE IS REQUIRED A CHANGE ORDER IS REQUIRED.

Technical drawings of a 12x12 inch steel plate. The left drawing shows a top view with dimensions: 12" width, 6" height, and 2 1/2" hole spacing. The right drawing shows a side view with dimensions: 16" total width, 12" inner width, 6" height, and 3 3/4" hole spacing. Callouts include: 7/8" DIA. HOLE FOR WEDGE ANCHORS, 1 1/2" x 2" SLOTTED HOLE FOR 1" BOLTS, and 6"x 6"x 5/16" STEEL ANGLE.

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		PROJECT:	T.B. HANNA STATION PARK RAYMORE, MO	PROJECT # 10345	DATE: 04-05-2018
				MAXIMUM PERSON AN HOUR:	
				90 S	

1. BOTTOM OF PRE-FAB SLAB BY PRE-FAB BUILDING MANUFACTURER IS DEAD FLAT. FOOTING TOP & COMPACTED BACKFILL MUST BE DEAD LEVEL. POUR FOOTING WITH LASER TRIM TO VERIFY TOP OF FOOTING. IF SHIM PLATES ARE REQUIRED A CHANGE ORDER FOR ALL REQUIRED.
2. PROVIDE SLEEVES WITH 18" MINIMUM DEPTH UNDER FOUNDATION WALLS OR AT SPECIFIED ELEVATIONS UNDER FOUNDATION WALLS FOR ALL UTILITIES.
3. CONTRACTOR SCOPE IS ONLY CONCRETE WORK. ALL ANGLES, BOLTS, AND ANCHORS ARE NOT IN CONTRACT.
4. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR COORDINATION OF ALL SLEEVE LOCATIONS.
5. PREFAB BUILDING INSTALLER IS RESPONSIBLE FOR SETTING PREFAB BUILDING WITH CRANE. ACCESS WILL NEED TO BE PROVIDED TO THE WEST SIDE OF THE BUILDING WITH 25 FEET. SEE SHEET C100 FOR PROVIDING ACCESS FOR BUILDING UNLOADING/SETTING.



REQUIRED ALLOWABLE SOIL
BEARING PRESSURE= 1500 PSF.
FIELD VERIFIED BY OTHERS

PRC (PUBLIC RESTROOM COMPANY)

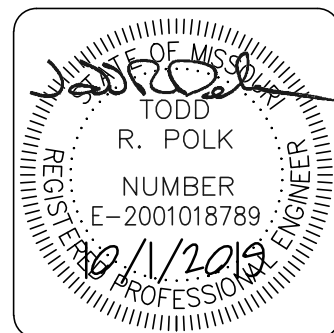
1. PUBLIC RESTROOM COMPANY (PRC) WILL PROVIDE FULL ARCHITECTURAL PLANS AND ENGINEERING CALCULATIONS, STAMPED BY STATE GOVERNING AGENCY SUITABLE FOR GENERAL CONTRACTOR TO FILE FOR REQUIRED BUILDING PERMIT.

1. GEN. CONTRACTOR SHALL PREPARE BUILDING PAD PER DETAILS ON THIS SHEET AND **SCOPE OF WORK**.
2. GEN. CONTRACTOR SHALL ATTACH SITE PLAN TO THE PUBLIC RESTROOM COMPANY'S DEPARTMENT OF HOUSING APPROVED DOCUMENTS AND FILE BUILDING PERMIT FOR PLUMBING PERMIT/INSPECTION UNDER BUILDING SLAB
3. GEN. CONTRACTOR TO COORDINATE SEWER INVERT WITH THE PUBLIC RESTROOM COMPANY PRIOR TO BUILDING INSTALLATION, VERIFY & COORDINATE LOCATION OF EXISTING UTILITIES INCLUDING WATER METER SIZE, TYPE, AND LOCATION OF EXISTING UTILITIES COMING INTO THE BUILDING SUPPLIED BY PRC
4. GEN. CONTRACTOR IS RESPONSIBLE FOR UTILITY CONNECTIONS AND WILL MAKE FINAL CONNECTIONS TO SEWER, WATER AND POWER.
5. GEN. CONTRACTOR TO PREPARE SITE FOR MINIMUM ALLOWABLE SOIL BEARING PRESSURE OF 1,500psf, WITH SUB-GRADE COMPACTED TO 90% M.D.
6. OWNER TO SUPPLY AND STOCK PILE REQUIRED QUANTITY OF COARSE SAND WITHIN BUILDING PROXIMITY FOR USE BY PRC. (ELEVATION OF BASE TO BE DETERMINED AND VERIFIED BY THE GENERAL CONTRACTOR) PAD ELEVATION MUST BE WITHIN 2% (4") AND COMPLY WITH ALL PERMISSIBLE CODES OF ACCESSIBILITY AND SAFETY. BEFORE BUILDING SET WET SAND FILL TO CONSOLIDATE AND /OR VIBRATE.
7. PROJECTS WITH FOOTINGS: OWNER/ GEN. CONTRACTOR MUST PROVIDE SLEEVES UNDER FOOTINGS ACCORDING TO UTILITY LOCATION PLAN, AND PAD/ FOUNDATION PLAN DIRECTION

PUBLIC RESTROOM COMPANY (PRC) PROVIDES BUILDING PLAN DRAWINGS FOR PLACEMENT OF OUR BUILDING ON SITE PADS FOR **REFERENCE ONLY**. PRC DRAWINGS DO NOT INCORPORATE SITE DESIGN FOR LOCAL CODES, SOILS CONDITIONS, FOOTING REQUIREMENTS, AND/OR ANY OTHER CONTRIBUTING SITE FACTORS UP TO AN INCLUDING HIGH WATER TABLES. IT IS THE RESPONSIBILITY OF THE OWNER OR GENERAL CONTRACTOR TO PROVIDE A PROPER SITE DESIGN TO ACCOMMODATE THE BUILDING AS WELL AS PROVIDE PROPER SITE CRITERIA SO PRC MAY MODEL SEWER, WATER, AND ELECTRICAL DESIGNS WITHIN THE BUILDING. OUR BUILDING DESIGN INCLUDES AN 8" THICK REINFORCED CONCRETE SLAB AND ASSUMES FULL SLAB DESIGN. THE DESIGN OF THE FOUNDATION SHALL BE THE RESPONSIBILITY OF THE OWNER OR GENERAL CONTRACTOR. THE FOUNDATION SHALL BE APPROXIMATE 208 PSF. ANY BUILDING FOUNDATION IN ADDITION TO THE INTEGRAL MAT SLAB ARE SHOWN FOR **REFERENCE ONLY** AND SHOULD BE VERIFIED BY A LICENSED SOILS ENGINEER TO CONFORM WITH REQUIRED CODES. **PRC ASSUMES NO LIABILITY FOR THE OWNER OR GENERAL CONTRACTOR ACCEPTANCE OF THESE TYPICAL DRAWINGS WITHOUT VERIFICATION BY A LICENSED SOILS FOUNDATION ENGINEER.**

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		PROJECT:	T.B. HANNA STATION PARK RAYMORE, MO		DATE: 04-05-2018	DRAWN BY:	EVE
Z:\1. Building Out\1. Places To Go\		1641545 2018 TEMPERED FOUNDATION PART 1		PROJECT PERMIT # 10345		MAXIMUM PERSON PER HOUR:	
		DRAWING ONLY - DO NOT SCALE, DIMENSIONS PRESE		90		S	

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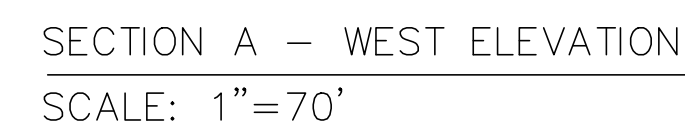
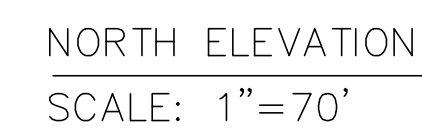
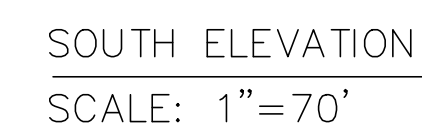
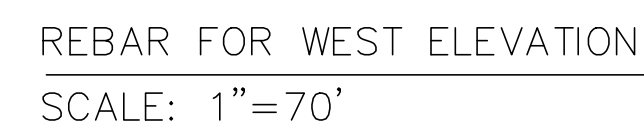
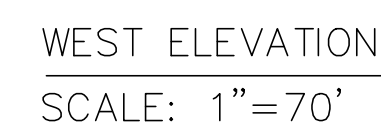
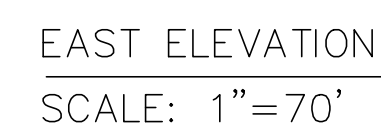
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T.B. HANNA STATION PARK RAYMORE, MISSOURI	Designed by:	Date:
	TRP	10/1/19
	Drawn by:	Reviewed by:
	EJO	TRP
Park Improvements	Submitted by:	Plot scale:
	TRP	N/A
	File name: 185073-SH-C500-SITE DETAILS.dwg Plot date: 10/1/19	

PREFAB BUILDING DETAILS

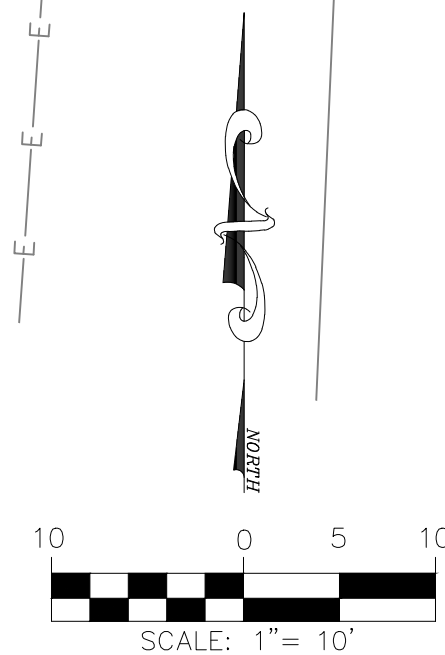
Sheet
reference
number:

C501



1. CONTRACTOR TO ACQUIRE CONSTRUCTION AND ELECTRICAL PERMIT FROM CITY. THERE IS NO FEES FOR CITY PROJECT PERMITS.
2. CONTRACTOR TO COORDINATE SETTING METER WITH KCP&L

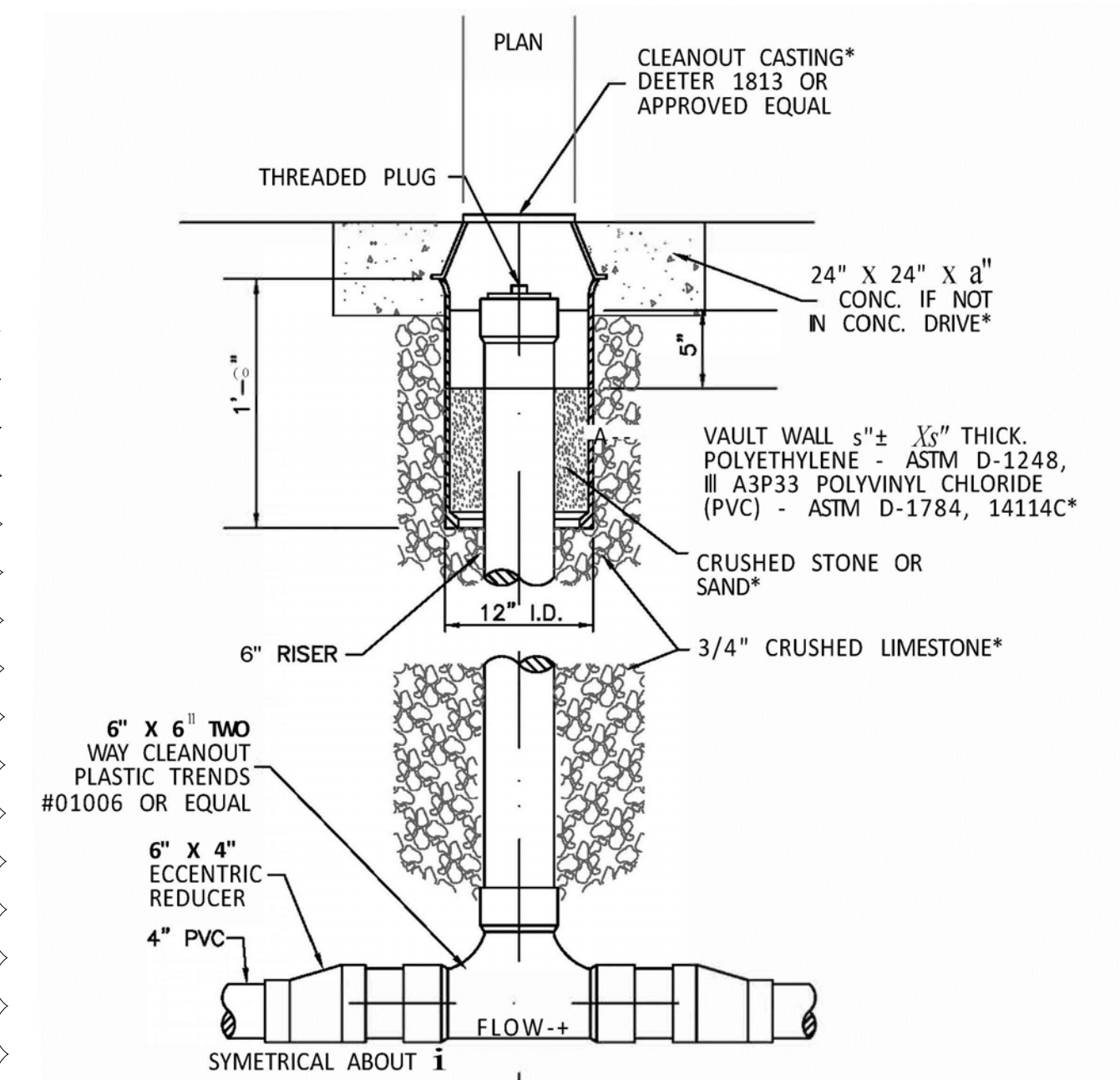
1. RETAINING WALL ELECTRICAL CONNECTION: CONNECT THE TWO (2) JUNCTION BOXES TO THE EXISTING ELECTRIC PANEL MOUNTED AT THE BASE OF THE POWER POLE. PROVIDE SINGLE PHASE, 120 AMP SERVICE.
2. PREFAB BUILDING CONNECTION: CONTRACTOR TO PROVIDE CONDUIT FROM THE POLE MOUNTED TRANSFORMER, DOWN THE POWER POLE, UNDERGROUND AT A DEPTH OF AT LEAST 18-INCHES TO NEW METER LOCATION AND THEN TO 6-FOOT LINE FROM PREFAB BUILDING. SET A NEW ELECTRIC METER WITH PEDESTAL ADJACENT TO OTHER EQUIPMENT. PREFAB BUILDING INSTALLERS (PUBLIC RESTROOM COMPANY) WILL PROVIDE ELECTRICAL CONDUIT FROM 6-FOOT LINE THROUGH FOOTING THROUGH FLOOR AREA BELOW THE ELECTRICAL PANEL. AFTER PUBLIC RESTROOMS COMPANY INSTALLERS HAVE SET THE PREFAB BUILDING, THE CONTRACTOR OF THIS CONTRACT SHALL RETURN TO PULL WIRE AND CONNECT TO THE PREFAB BUILDING ELECTRIC PANEL. PROVIDE SINGLE PHASE, 240 AMP SERVICE TO THE BUILDING.



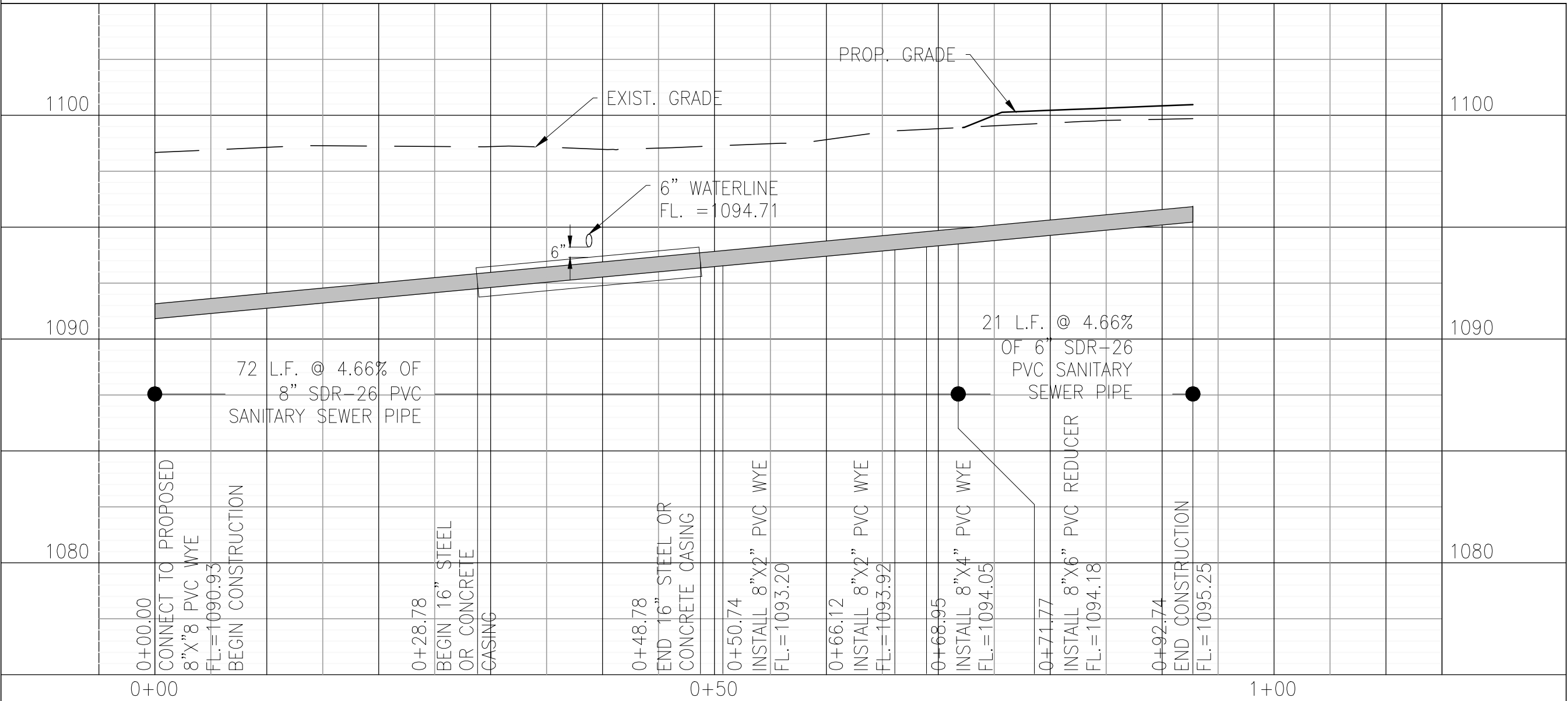
APPROXIMATE QUANTITIES

Item Description	Qty.	Unit
PROJECT WIDE COSTS		
1. MOBILIZATION	1	L.S.
2. INSURANCE AND BONDING	1	L.S.
PREFAB BUILDING SITE PREPARATION		
3. 2" SANITARY SEWER DRAIN LINE - CONNECT TO SEWER FIRST	1	L.S.
4. 4" BUILDING SANITARY SEWER CONNECTION	25	L.F.
5. 4" GREASE INTERCEPTOR SEWER LINE	20	L.F.
6. 6" PUMP ROOM SANITARY SEWER CONNECTION	21	L.F.
7. 2" TANK SANITARY SEWER CONNECTION	18	L.F.
8. 2" EXHAUST LINE	12	L.F.
9. SANITARY SEWER CLEANOUT	4	EA.
10. GREASE INTERCEPTOR	1	EA.
11. 1" BUILDING POTABLE WATER LINE FROM MAIN	45	L.F.
12. 1" BACKFLOW PREVENTER	2	EA.
13. CONNECTION TO EXISTING WATER MAIN	2	EA.
14. 36" OR LARGER WATER METER PIT	2	EA.
15. CONCRETE ENCASED SAN SEWER LINE	20	L.F.
16. WATER METER - PROVIDED BY CITY	1	EA.
17. 1" UNDERGROUND TANK POTABLE WATER LINE	70	L.F.
18. SAMPLING MANHOLE	1	EA.

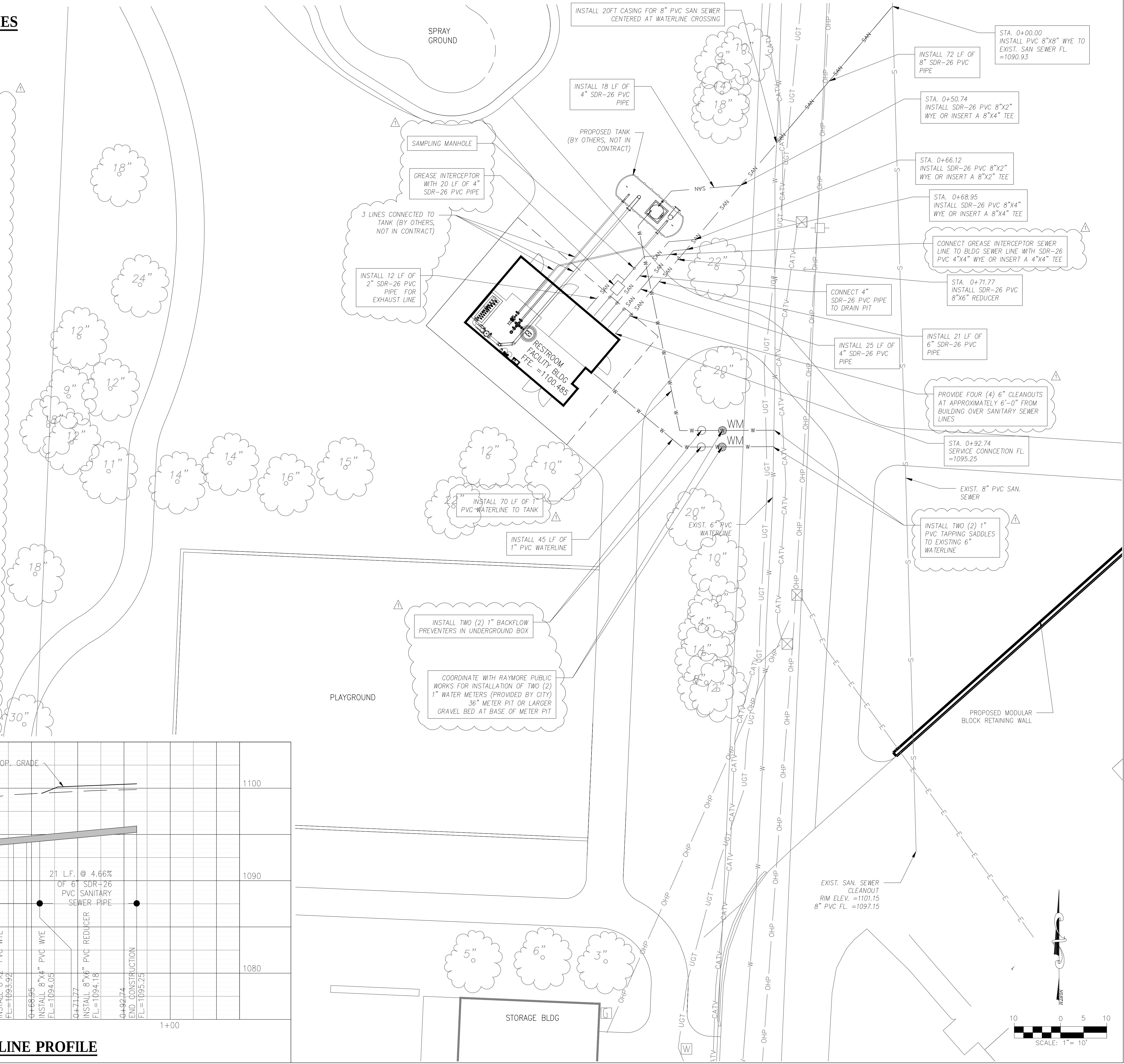
- PLUMBING GENERAL NOTES:
- THERE IS NO SCOPE FOR WORKING WITH GAS LINES OR GAS CONNECTION.
 - PROVIDE HYDROMECHANICAL GREASE INTERCEPTOR (HGI), MANUFACTURER: ENDURA MODEL: 3950A04 50GPM WITH 4" CONNECTION. PROVIDE EXTERNAL 2 PIECE FLOW CONTROL. EXTEND FLOW CONTROL TO SURFACE WITH COVER. ATTACH 2" EXHAUST LINE AND CONNECT TO PREFAB BUILDING AT 6' DISTANCE. PROVIDE 6" MODULAR RISERS AS NEEDED TO SET TOP FLUSH WITH CONCRETE PAVEMENT. SLOPE AT 1-2% TO MATCH PROPOSED ELEVATIONS.



SAMPLING MANHOLE DETAIL



SANITARY SEWER SERVICE LINE PROFILE



ENGINEERS

CFS **cfs.com**

DEVELOPED BY
R. FOLK
REGISTERED PROFESSIONAL ENGINEER
NUMBER E-2001018789
DATE 10/1/19

Designated by:	TRP	Drawn by:	TRP	Checked by:	TRP	Reviewed by:	TRP	Plot scale:	1"=10'	File name:	185073-SH-900-PLUMBING PLAN.dwg	Plot date:	10/1/19
T.B. HANNA													

STATION PARK
RAYMORE, MISSOURI

Park Improvements

PLUMBING PLAN

Sheet
reference
number:

P100