

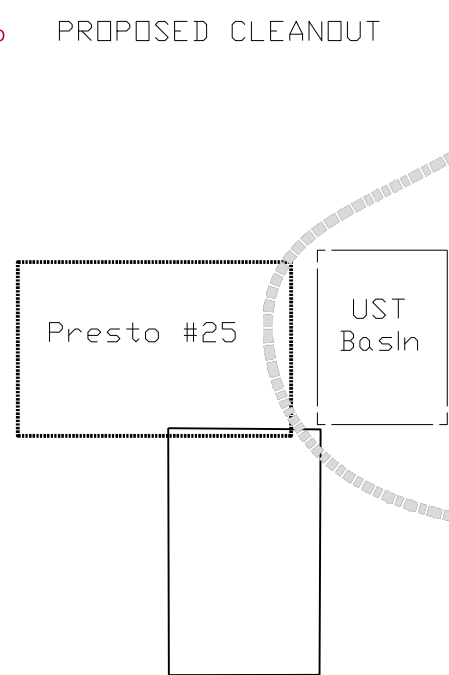
**LEGEND**

- ROAD / SIDEWALK
- BUILDING
- TREE
- STORM SEWER LINE
- SANITARY SEWER LINE
- WATER SUPPLY LINE
- GAS LINE
- COMMUNICATION LINE
- OVERHEAD ELECTRIC LINE
- FENCE
- GROUNDWATER MONITORING WELL
- APPROXIMATE CONTAMINATION PLUME
- EXISTING REMEDIATION TRENCH
- PROPOSED REMEDIATION TRENCH CENTERLINE
- PROPOSED AIR AND WATER PIPING
- MH PROPOSED MANHOLE
- SVE PROPOSED SVE WELL
- VMP PROPOSED VAPOR MONITORING POINT
- CO PROPOSED CLEANOUT

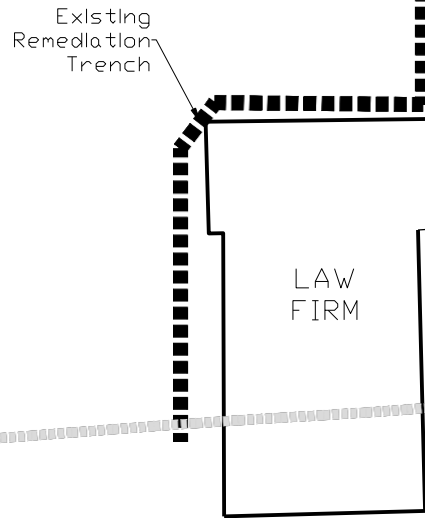


**NOTES**

1. THE SITE LAYOUT IS BASED ON SURVEY DATA AND APPROXIMATIONS FROM GOOGLE AERIAL IMAGES.
2. THE LOCATION OF THE UNDERGROUND UTILITY LINES ARE REPRESENTATIVE BUT MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
3. THE 2"Ø GROUNDWATER REMOVAL LINE SHALL BE SLEEVED WITH A 3"Ø PVC CAPPED WITH 3"X2" FERNCO COUPLINGS WHERE THE GROUNDWATER REMOVAL LINE CROSSES UNDER THE PUBLIC WATER SUPPLY LINE FOR A MINIMUM OF 10- FEET ON EITHER SIDE OF THE PUBLIC WATER SUPPLY LINE. THE CITY PREFERS A 2' VERTICAL CLEARANCE AND THE CONTRACTOR WILL ATTEMPT TO COMPLY WHERE POSSIBLE.

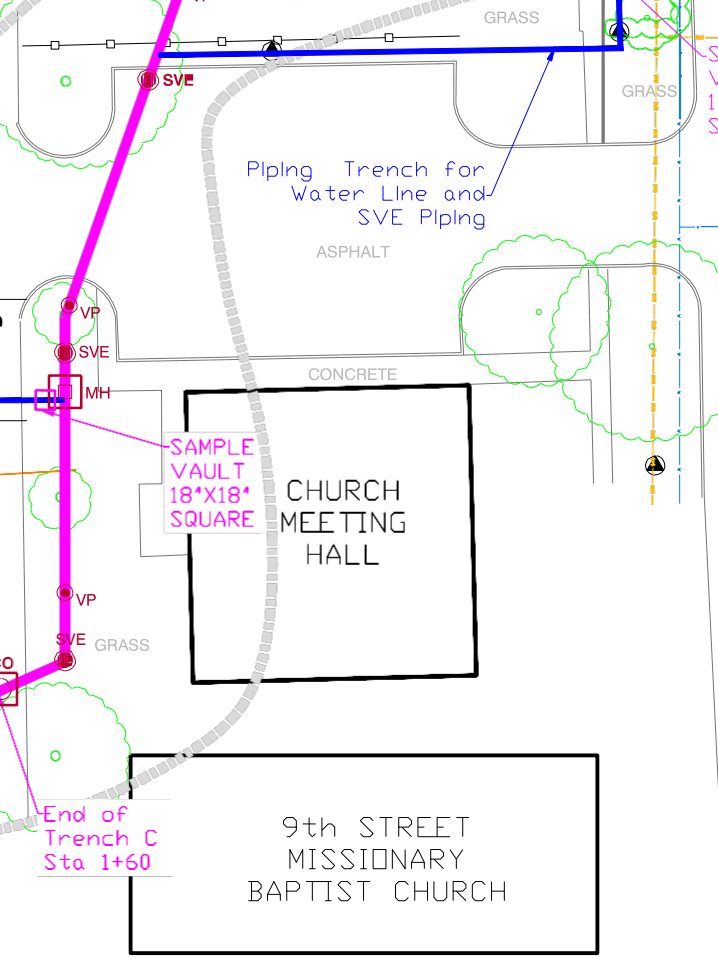


**Louisiana**

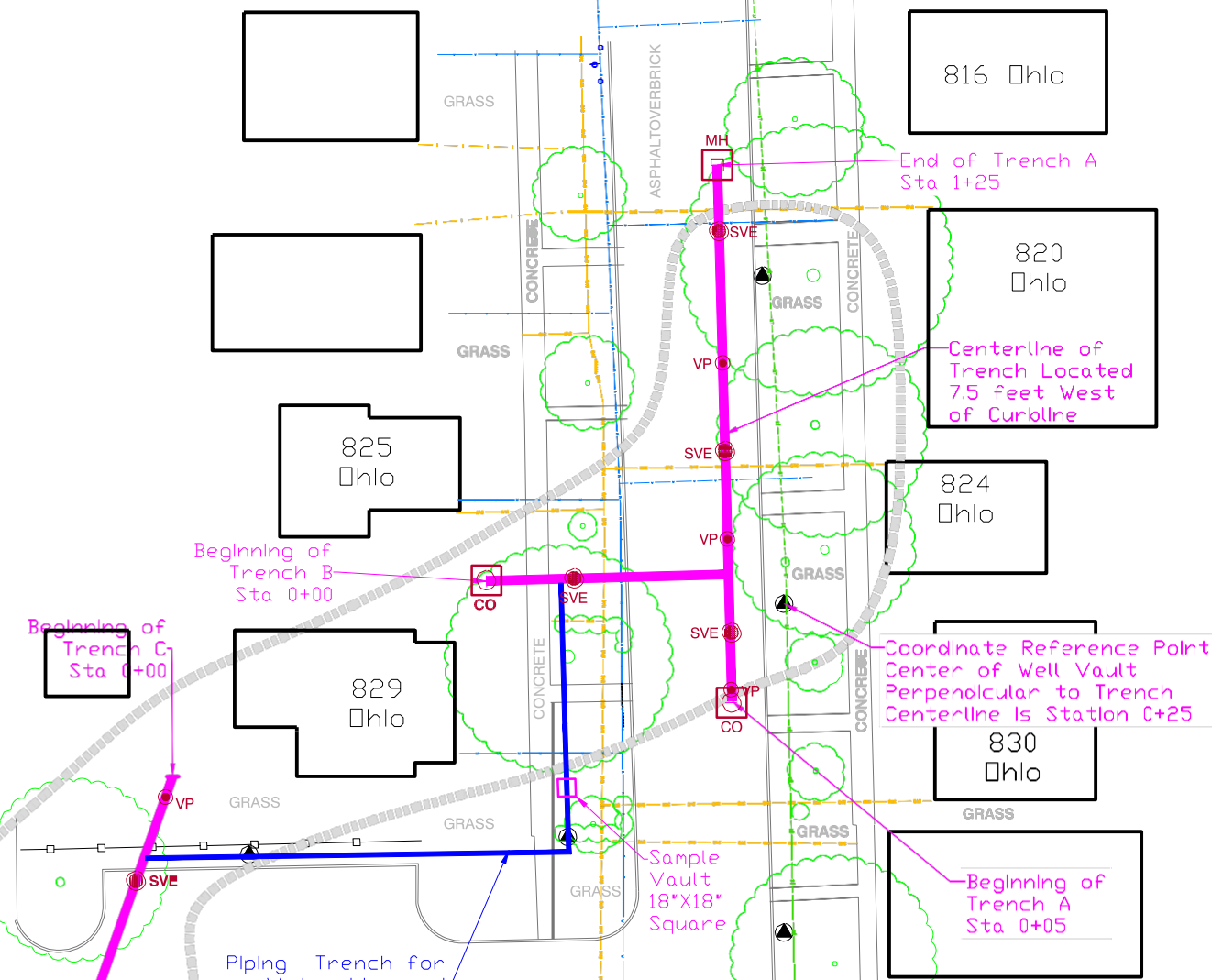


**9thStreet**

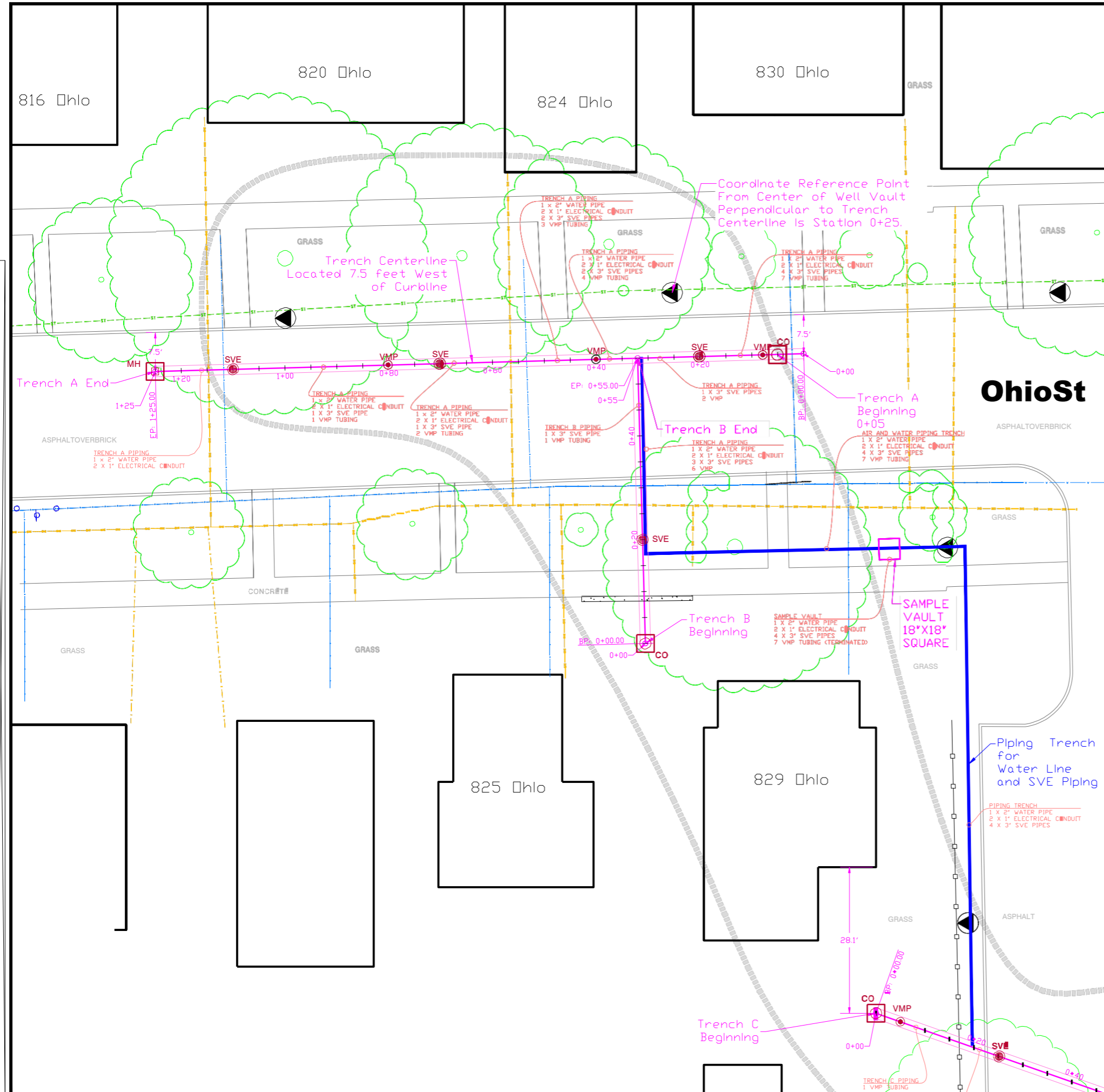
**Alley**



**OhioSt**



CHK BY		REV. DATE		REV. DATE		REV. DATE		REV. DATE	
SHEET TITLE					PROJECT TITLE				
PRESTOCONVENIENCESTORES,LLC					EMERGENCYRESPONSE2013				
PRESTOCONVENIENCESTORE25					602WEST9THST,LAWRENCE,KANSAS66044				
CLIENT					CADD FILE:				
PRESTOCONVENIENCESTORES,LLC					01 - BASE MAP.DWG				
7311W 130th St, Ste 100 Overland Park, KS 66209-3133 PH (913) 681-0030 FAX (913) 681-0012					DATE:				
PROJ. NO. 27213116.00					10/16/13				
DWN. BY: RDT					DRAWING NO.				
CHK. BY: PMG					1				
D/A R/W BY: SLM					of 5				
PROJ. MGR: PMG									

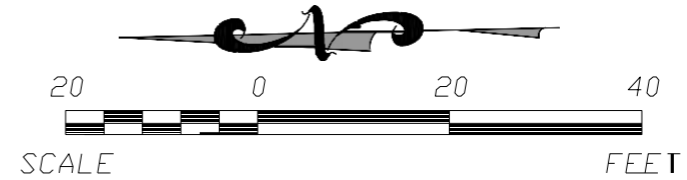


**LEGEND**

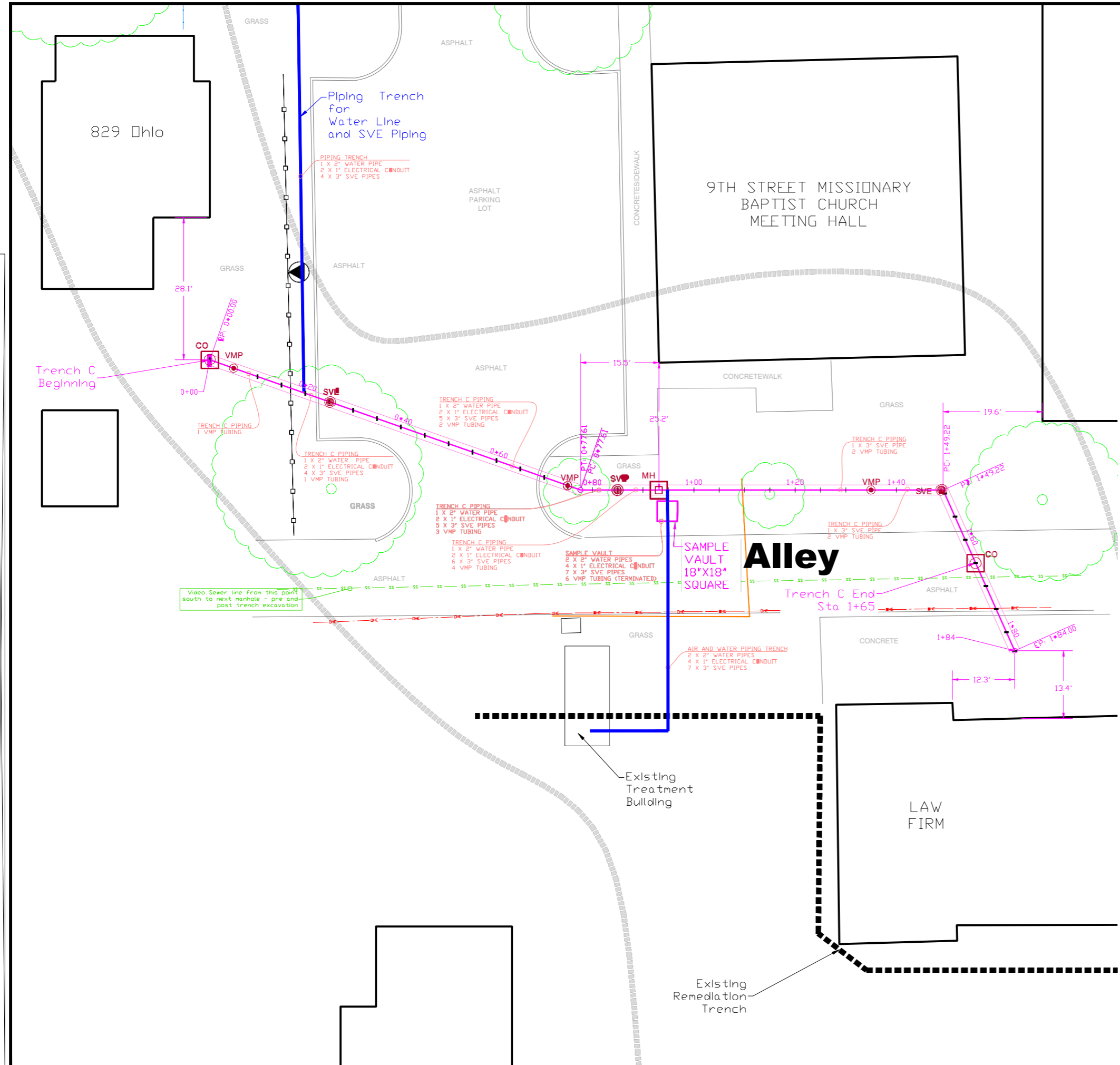
- ROAD / SIDEWALK
- BUILDING
- CONCRETE RETAINING WALL
- TREE
- STORM SEWER LINE
- WATER SUPPLY LINE
- GAS LINE
- FENCE
- GROUNDWATER MONITORING WELL
- APPROX. CONTAMINATION PLUME
- PROPOSED REMEDIATION TRENCH
- PROPOSED AIR AND WATER PIPING
- PROPOSED MANHOLE (MH)
- PROPOSED SVE WELL (SVE)
- PROPOSED VAPOR MONITORING POINT (VMP)
- PROPOSED CLEANOUT (CO)

**NOTES**

1. THE SITE LAYOUT IS BASED ON SURVEY DATA AND APPROXIMATIONS FROM GOOGLE AERIAL IMAGES.
2. THE LOCATION OF THE UNDERGROUND UTILITY LINES ARE REPRESENTATIVE AND SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
3. THE LOCATION OF THE WATER SUPPLY LINE FOR 830 OHIO IS UNKNOWN AND SHALL BE VERIFIED PRIOR TO CONSTRUCTION.
4. CONCRETE RETAINING WALL IS APPROXIMATED.
5. THE 2"Ø GROUNDWATER REMOVAL LINE SHALL BE SLEEVED WITH A 3"Ø PVC CAPPED WITH 3"X2" FERNCO COUPLINGS WHERE THE GROUNDWATER REMOVAL LINE CROSSES UNDER THE PUBLIC WATER SUPPLY LINE FOR A MINIMUM OF 10- FEET ON EITHER SIDE OF THE PUBLIC WATER SUPPLY LINE.



REV	DATE	BY	DATE	BY	DATE
1	-	-	-	-	-
<b>SHEET TITLE</b> SITELAYOUT TRENCHESAANDB					
<b>PROJECT TITLE</b> EMERGENCYRESPONSE2013					
<b>CLIENT</b> PRESTOCONVENIENCESTORES,LLC PRESTOCONVENIENCESTORE25 602WEST9THST,LAWRENCE,KANSAS66044					
<b>SCSQUATERRA</b> CONSULTINGENGINEERS,INC. 7311W.130thSt,Ste.100 OverlandPark,Kansas66213 PH:(913)681-0030FAX:(913)681-0012 PROJ.#: 27213116.00 DWN. BY: RDT CDR. BY: PMG CHK. BY: PMG PRD. BY: PMG					
<b>CADD FILE:</b> 02 03 - TRENCH LAYOUTS.DWG					
<b>DATE:</b> 9/11/13					
<b>DRAWING NO.</b> 2 of 5					

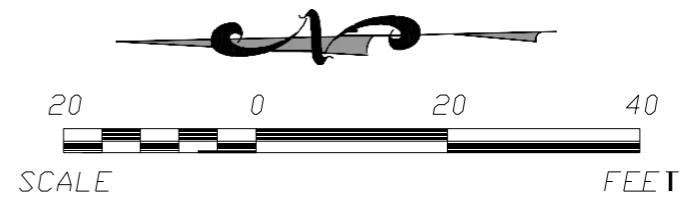


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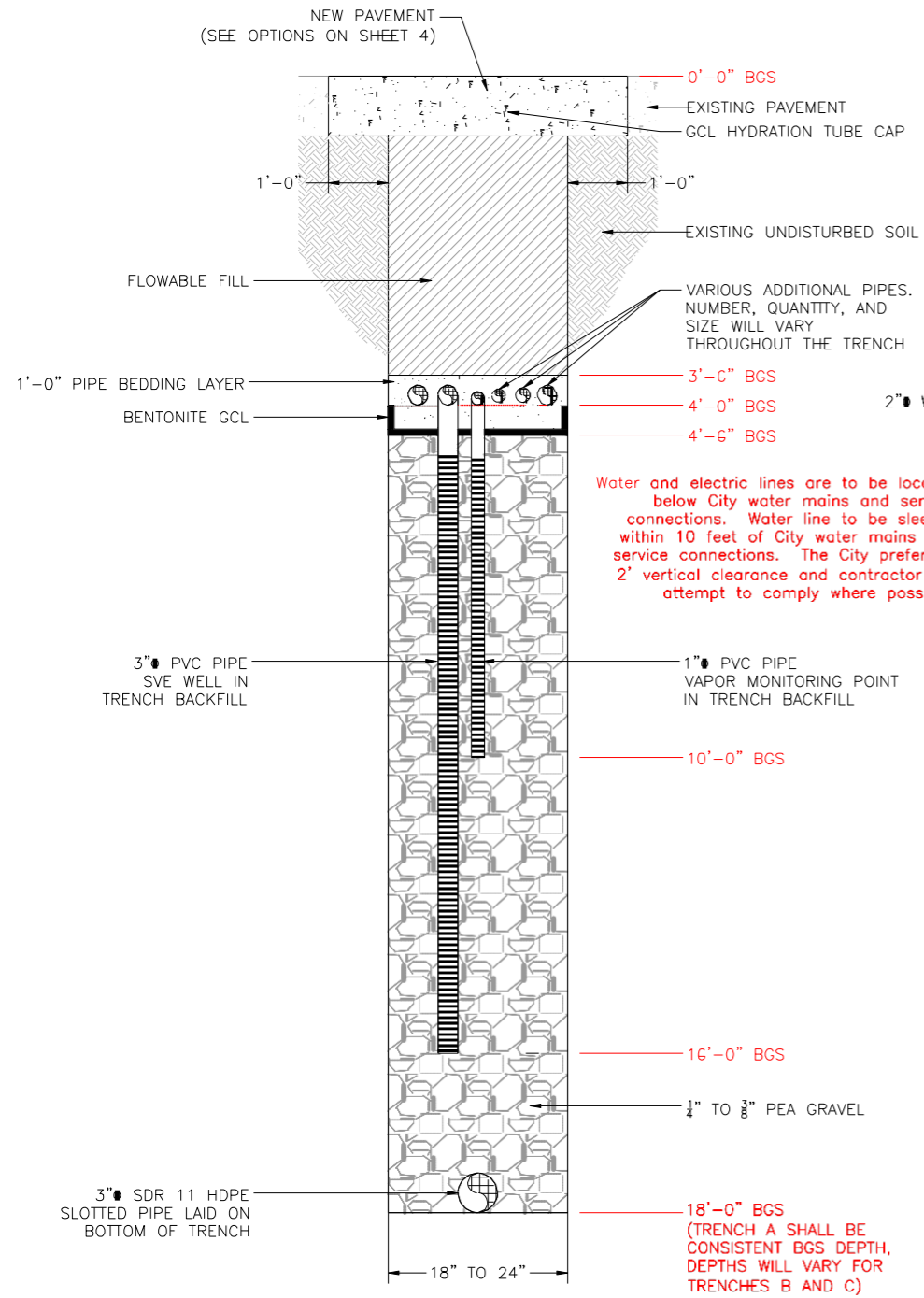
- ROAD / SIDEWALK
- BUILDING
- TREE
- SS — SS — SS — SANITARY SEWER LINE
- — — — — WATER SUPPLY LINE
- — — — — GAS LINE
- — — — — COMMUNICATION LINE
- — — — — OVERHEAD ELECTRIC LINE
- — — — — FENCE
- ⊙ GROUNDWATER MONITORING WELL
- ⋯ APPROX. CONTAMINATION PLUME
- — — — — EXISTING REMEDIATION TRENCH
- — — — — PROPOSED REMEDIATION TRENCH
- — — — — PROPOSED AIR AND WATER PIPING
- MH PROPOSED MANHOLE
- ⊙ SVE PROPOSED SVE WELL
- ⊙ VMP PROPOSED VAPOR MONITORING POINT
- ⊙ CO PROPOSED CLEANOUT

**NOTES**

1. THE SITE LAYOUT IS BASED ON SURVEY DATA AND APPROXIMATIONS FROM GOOGLE AERIAL IMAGES.
2. THE LOCATION OF THE UNDERGROUND UTILITY LINES ARE REPRESENTATIVE AND SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.



REV.	DATE	BY	BY	BY	BY	BY	BY	BY	BY
1	11/11/13	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
SHEET TITLE		SITELAYOUT TRENCH C							
PROJECT TITLE		EMERGENCYRESPONSE2013							
CLIENT									
PRESTOCONVENIENCESSTORES,LLC PRESTOCONVENIENCESSTORE25 602WEST9THST,LAWRENCE,KANSAS66044									
CONSULTING ENGINEERS, INC.									
7311W. 130th St. 100 Overland Park, Kansas 66213 PH: (913) 681-0030 FAX: (913) 681-0012									
CADD FILE:									
02 03 - TRENCH LAYOUTS.DWG									
DATE:									
9/11/13									
DRAWING NO.									
3 of 5									

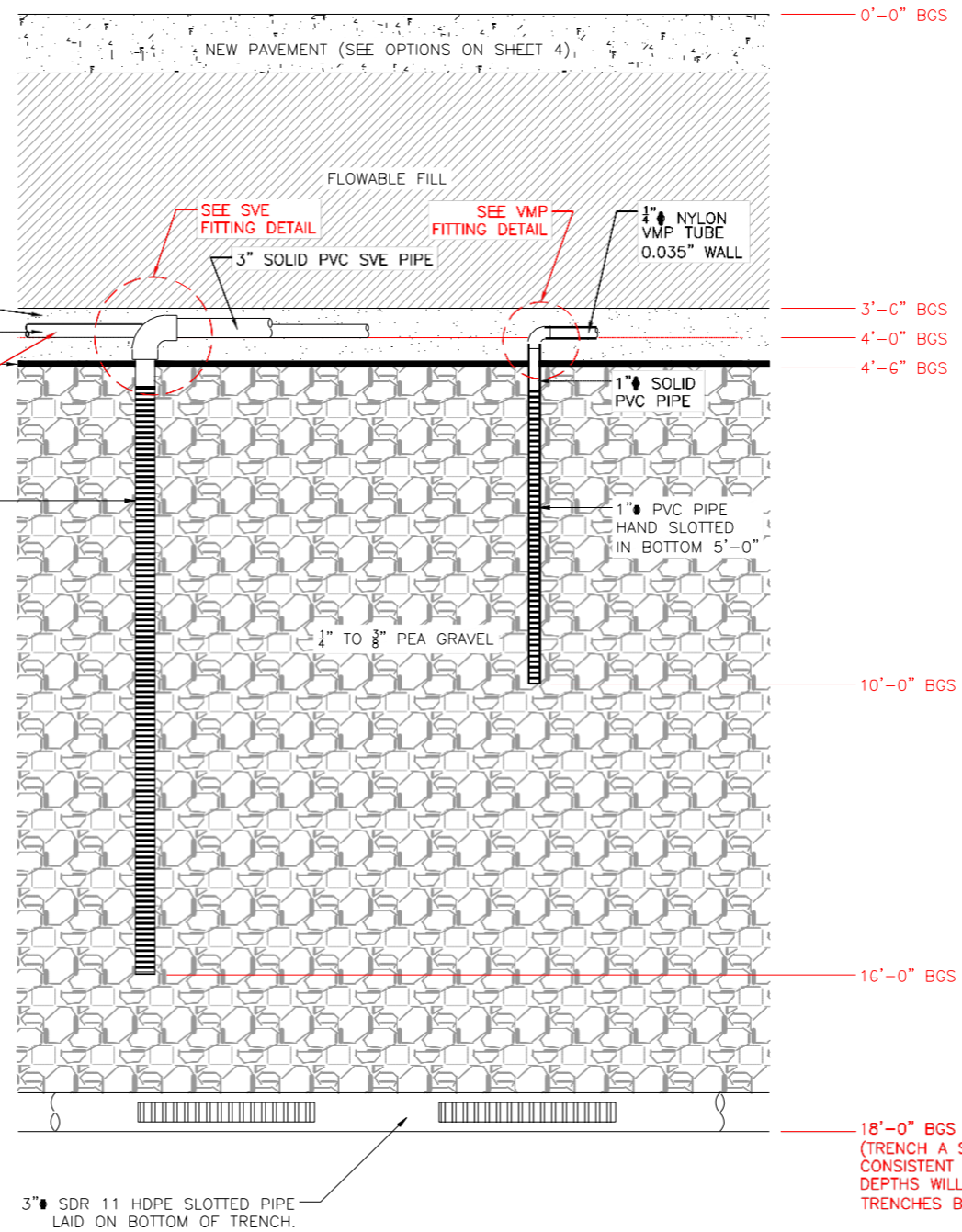


TYPICAL REMEDIATION TRENCH CROSSSECTION

NOT TO SCALE

NOTES:

1. THE NUMBER OF PIPES IN THE PIPE BEDDING LAYER WILL VARY ALONG THE LENGTH OF THE TRENCH. PIPES MAY BE STACKED WITHIN THE PIPE BEDDING LAYER AS NECESSARY TO CONSTRUCT THE TRENCH.
2. THE DEPTH OF THE EXISTING PAVEMENT MAY VARY, THE NEW PAVEMENT WILL BE AT LEAST THE SAME THICKNESS AS THE EXISTING PAVEMENT OR 6", WHICHEVER IS GREATER.
3. PAVEMENT THICKNESS IN ALLEY AND PARKING LOT SHALL MATCH EXISTING PAVEMENT SECTION.

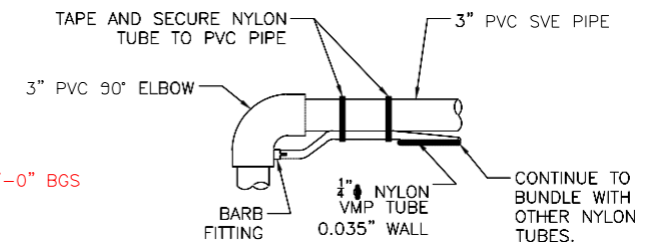


TYPICAL REMEDIATION TRENCH PROFILE

NOT TO SCALE

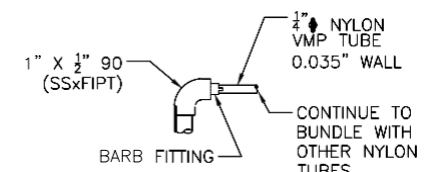
NOTES:

1. VAPOR MONITORING POINT HAS A 1/4" NYLON TUBING WITH 0.035" WALL RUNNING HORIZONTALLY THROUGH THE PIPE BEDDING. THIS LINE WILL TERMINATE IN THE SAMPLE VAULT AND END WITH LIQUFIT VALVE UNION (5UMU8) OR EQUIVALENT.
2. THE DEPTH OF THE EXISTING PAVEMENT MAY VARY, THE NEW PAVEMENT WILL BE AT LEAST THE SAME THICKNESS AS THE EXISTING PAVEMENT.



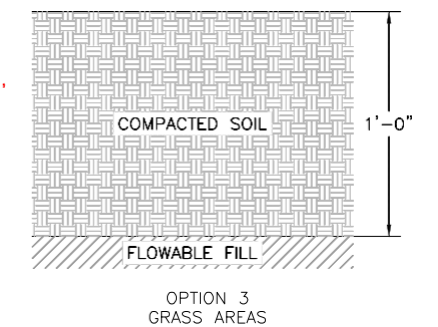
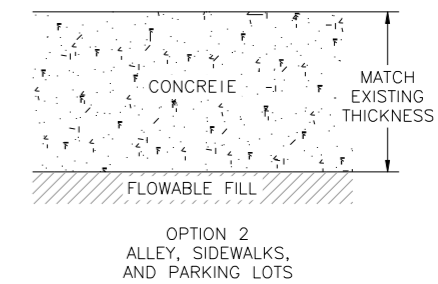
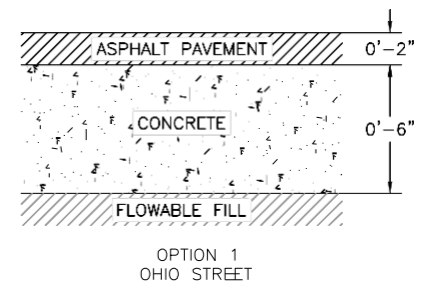
SVE FITTING DETAIL

NOT TO SCALE



VMP FITTING DETAIL

NOT TO SCALE



NEW PAVEMENT CROSSSECTION OPTIONS

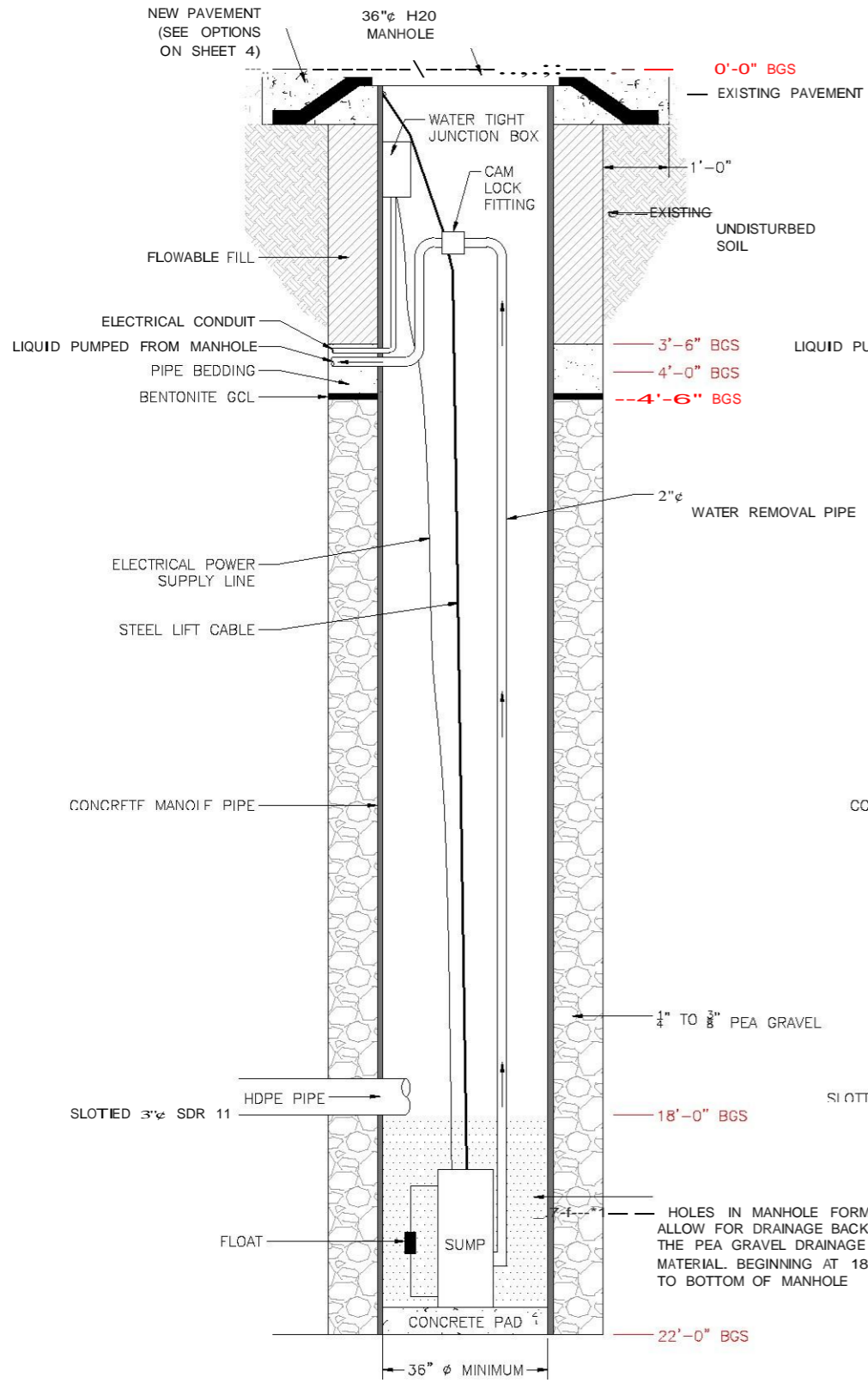
NOT TO SCALE

REV	DATE	BY	CHK	APP

SHEET TITLE	DETAILS
TYPICAL REMEDIATION TRENCH	
PROJECT TITLE	EMERGENCY RESPONSE 2013

CLIENT	PRESTO CONVENIENCE STORES, LLC
	PRESTO CONVENIENCE STORES 25
	602 WEST 9TH ST, LAWRENCE, KANSAS 66044

CONTRACT NO.	27213116.00
DWN. BY:	RDT
CHK. BY:	PMG
APP. BY:	PMG
DRAWN BY:	SLM
PROJ. MGR:	PMG
CADD FILE:	04 DS - DETAILS.DWG
DATE:	9/11/13
DRAWING NO.	4 of 5

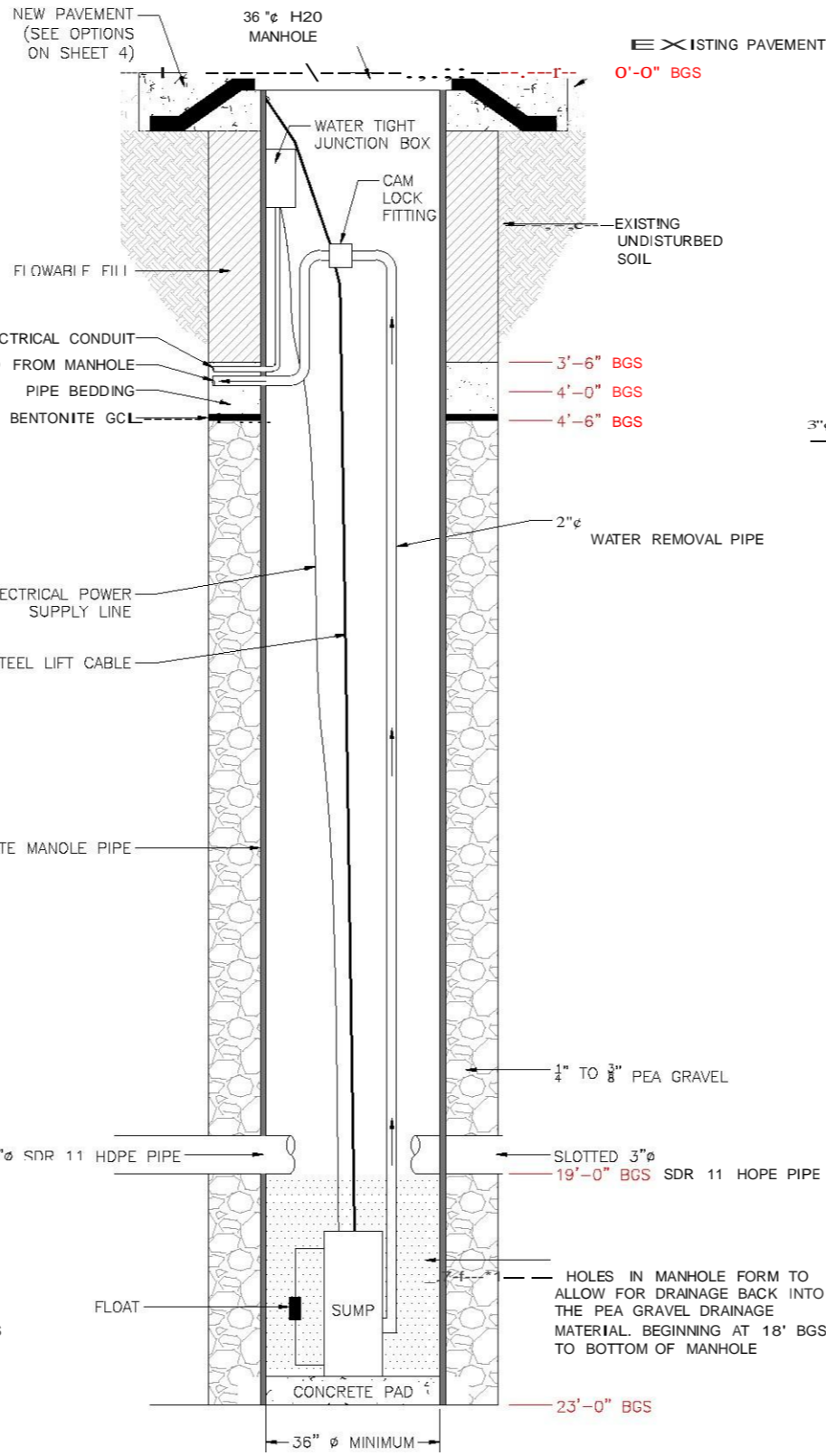


**TRENCH A MANHOLE CROSS SECTION**

NOT TO SCALE

**NOTES:**

- 1. OWNER TO SUPPLY SUMP WITH INTEGRAL FLOOR.

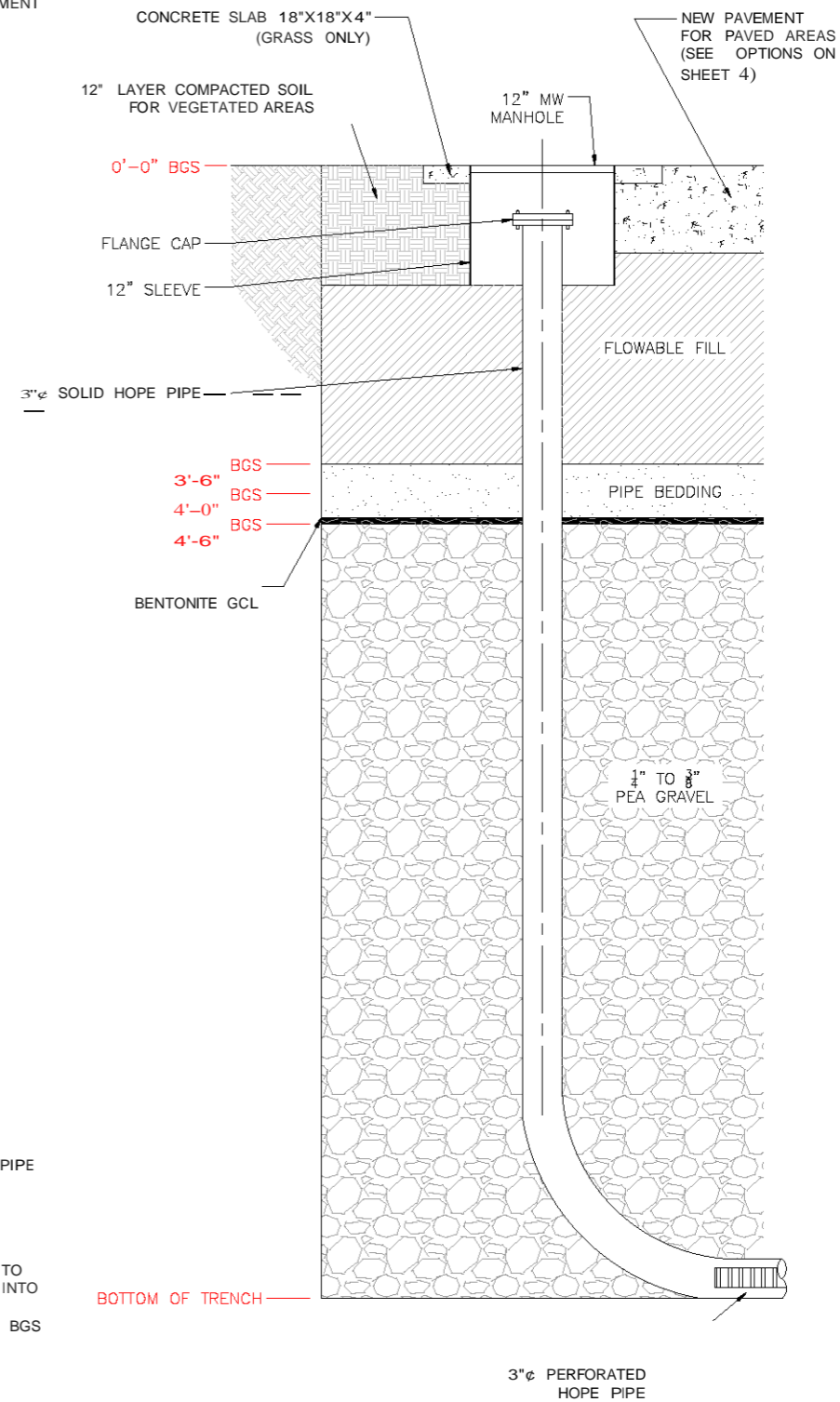


**TRENCH C MANHOLE CROSS SECTION**

NOT TO SCALE

**NOTES:**

- 1. OWNER TO SUPPLY SUMP WITH INTEGRAL FLOOR.



**TYPICAL CLEANOUT**

NOT TO SCALE



CLIENT  
PRESTO CONVENIENCE STORES, LLC  
PRESTO CONVENIENCE STORE #25  
602 WEST 9TH ST, LAWRENCE, KANSAS 66044

CADD FILE:

DATE:

6/13/13

DRAWING NO.

3:16am Layout Name: 5-11X17 By: 3789rdt  
 06:00 Details.dwg Jun 13, 2013  
 PRESTO CONVENIENCE STORES, LLC  
 PRESTO CONVENIENCE STORE #25  
 602 WEST 9TH ST, LAWRENCE, KANSAS 66044