

City of Lynchburg  
Procurement Division  
900 Church Street  
Lynchburg, Virginia 24504  
Telephone No.: (434) 455-3970  
Fax No.: (434) 845-0711

**Addendum for Bid**  
**Taylor Street Water Quality Plan and Parking Lot Improvements**  
**14-871**

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Date: October 1, 2013  
From: Stephanie Suter, CPPO, CPPB  
RE: Addendum No. 2

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This Addendum supplements and amends the original Plans and Specifications and shall be taken into account in preparing proposals and shall become a part of the Contract Documents. The Bidder shall indicate receipt of this Addendum and all previously issued Addenda on the Bid Form.

Questions were presented during the Pre-Bid Meeting and to the Procurement Office. The following are general clarifications:

1. Greg Blair will be the City's construction coordinator. His phone number is 434-444-3276.
2. The Bid Form has been revised and is attached. Adjustments made:
  - a. Added a line item for Sod Turf (MS-8) and eliminated the line item for Permanent Seeding (ES-5);
  - b. Added a line item for Compaction Testing (to include bearing tests for foundation walls) (MS-11);
  - c. Clarified size of the project sign to be a City Standard Sign for Utility Projects (4'x8') (MS-12);
  - d. Added a line item for Mobilization (MS-13);
  - e. Added a line item for Flowable Fill of Abandoned 10" TC Pipe (CG-5).
3. Traffic Control - The Traffic Control Plan shall allow for one way traffic at all times from Park Avenue to Fifth Street in a westerly direction. The one way signage, barrels, and barricade along with the cost of the plan shall be incidental to the project and included within the overall cost of the project. The Plan shall be approved by the City's Traffic Engineer.
4. The sidewalk to the rear of the parking spaces (separating the asphalt from the pervious pavers) is to be 7" thick. It shall be built in accordance to specifications in City detail 25.12 except that the width shall be 4'. The line item is listed as item CG-3 on the bid form. Any incidental asphalt or concrete required to correct awry saw cuts or rough asphalt edges shall be included within the price of the apron.
5. The Construction Agreement Part 2, has been changed by this addendum from 90 days to 120 consecutive calendar days. The liquidated damages remain \$200/day. The contractor will work Monday thru Friday, not weekends or holidays. The schedule should allow for a start day just after January 1, 2014. The turf shall be placed in March/April followed by the media mix and planting. Erin Hawkins, City Water Quality Manager, shall be consulted after placing the turf and prior to placing the media for approval.

6. Two Structural Drawings S1 and S2 have been added to the Contract Drawings for the retaining walls and are attached. The wall details on Drawings S-1 and S-2 replace the details shown on Drawing D1. The picket railing shall match the ornamental railing of the plaza wall at the Fifth Street/Federal Street Roundabout. The brick shall match that of the original Filtration Plant Building. The concrete spillway shall have a cobblestone matte finish. A 4'x4' mock up of the brick and mortar along with a picture of the example cobblestone shall be submitted and approved by the City's construction coordinator.
7. Pavement markings shall be white painted similar to the parking spaces on the side of the Filtration Plant along Park Avenue. The price for Line Markings shall be incidental to the project and included within the overall cost of the project.
8. In addition to the cost of the pervious pavers (250 SY), the price for line item PA-3 shall also include:
  - a. 2" No. 9 Sand over;
  - b. 4" No. 78 Base over;
  - c. 12" No. 57 Sub-Base; and
  - d. 190 LF - 6" HDPE Slotted and Solid Underdrains with Cleanouts (Note: The slotted underdrain will switch to solid pipe beyond the curb and gutter of the last parking space towards Park Avenue).
9. The standard curbing to be used is the City's 25.04A curb. The parking space for the paver portion has a dimension of 9' wide x 16' deep. It is shortened in width by the 18" gutter pan for the end spaces. The stone beneath the curbing and the apron referenced in Item No. 4 of this addendum shall be built in accordance with the City details (6" of No. 21A stone).
10. All vertical components of cleanouts shall be PVC Schedule 40.
11. The Contractor shall submit a shop drawing to the City's construction coordinator of the filter fabric's minimum flow rates.
12. A line item for mobilization has been added to the bid form and shall be included within the unit prices. Payment for mobilization shall be defined as follows:

<b>More Than</b>	<b>Up to and Including</b>	<b>Limit</b>
\$0	\$200,000	10% of total contract amount
\$200,000	\$1,000,000	\$20,000 plus 7.5% (of total contract amount minus \$200,000)
\$1,000,000	More	\$80,000 plus 5% (of total contract amount minus \$1,000,000)

13. Note that the 12' Residential Driveway Detail Referenced on Drawing C1 should be Std 25.11, not 25.10.
14. On Dwg. D1 in the Pervious Parking Section, the grassed area between the sidewalk and curb shall be sloped at ½":1' toward the curb. The sidewalk shall be sloped at 2% toward the curb. The grassed area between the sidewalk and the biofilter shall be sloped at 1":1' toward the biofilter. All slopes into the biofilter shall be 2:1. The pavement dimensions are incorrect on this detail and are replaced by Note 7 above.

15. A detail has been added with this addendum that shows a different detail for the outfall from structure C-2. The previous plan used cobble rip rap at the outfall. The outfall will now have a 3' x 3' concrete pad poured at the outlet with a stone base. The quantity for the cobble rip rap has been reduced and the concrete pad quantity has been increased under the sidewalk line item. Incidentally, the river cobble sometimes referred to as river jack is to be a size equaling Class AI rip rap and be a rounded river rock. The plantings around the outfall have changed from 21 "Creeping Liriope" to 18 "Red Switch Grass".
16. The existing topographic survey was performed by Mike Cassidy at Piedmont Surveyors. Horizontal and Vertical Control can be sought from Mr. Cassidy at 434-426-9510.

**READ TERMS AND CONDITIONS AND SIGN**

In compliance with the above BID, and subject to all the conditions hereof, the undersigned offers and agrees to comply with any or all of the terms and conditions contained herein, or as mutually agreed upon by subsequent negotiations. This form shall become part of the final file.

*Company Name:* \_\_\_\_\_ *Address:* \_\_\_\_\_ *Date:* \_\_\_\_\_

*Authorized Signature:* \_\_\_\_\_ *Title:* \_\_\_\_\_

*Print Name:* \_\_\_\_\_ *Telephone No.:* \_\_\_\_\_ *Fax No.:* \_\_\_\_\_

## TAYLOR STREET WATER QUALITY PLAN AND PARKING LOT IMPROVEMENTS

## BID FORM-REVISED

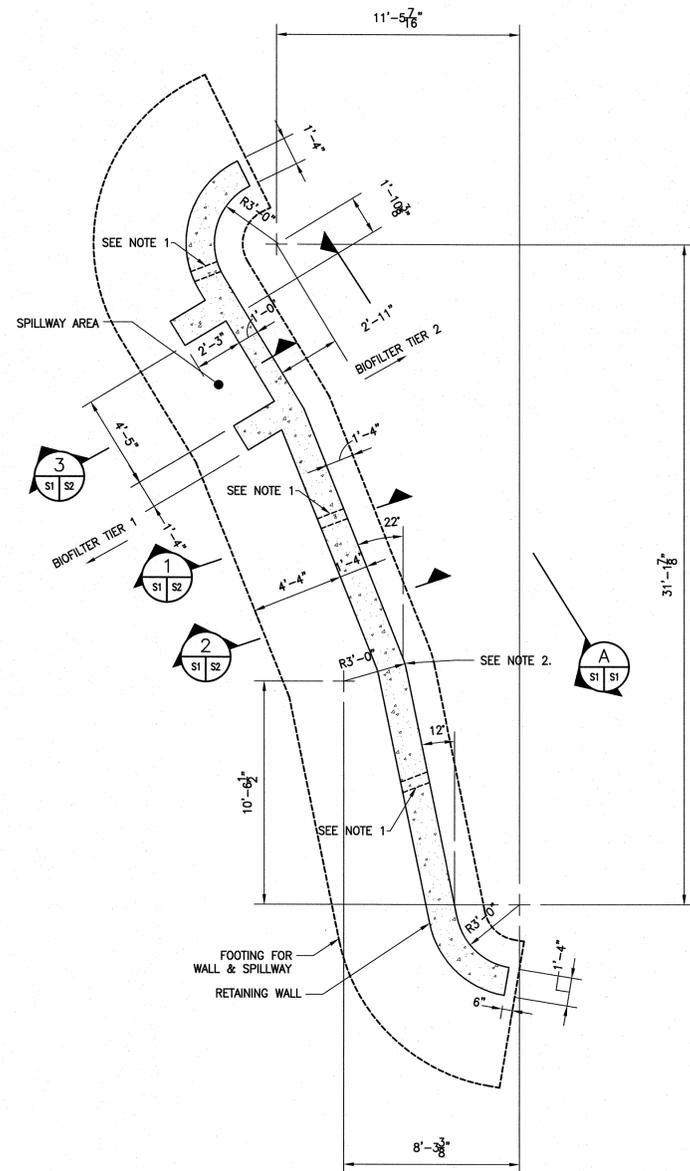
ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL LINE ITEM AMOUNT
DM-1	REMOVE EXISTING GRAVEL PARKING	S.Y.	135.00		
DM-2	REMOVE EXISTING SIDEWALK	S.Y.	110.00		
DM-3	REMOVE EXISTING STORM PIPING	L.F.	36.00		
DM-4	REMOVE EXISTING INLET	EA.	2.00		
DM-5	REMOVE EXISTING PAVEMENT	S.Y.	80.00		
DM-6	UNCLASSIFIED EXCAVATION REMOVED FROM SITE	C.Y.	100.00		
ES-1	TEMPORARY GRAVEL CONSTRUCTION ENTRANCE	EA.	1.00		
ES-2	SILT FENCE	L.F.	265.00		
ES-3	RIVER COBBLE OUTLET PROTECTION	TON	5.85		
ES-4	TEMPORARY SEEDING	S.Y.	650.00		
PA-1	FINAL SURFACE OF 2" SM-9.5D	S.Y.	11.00		
PA-2	ROADWAY BASE STONE VDOT NO.21A (7" LAYER)	S.Y.	11.00		
PA-3	PERVIOUS PAVERS (INCLUDES STONE BASE & UNDERDRAIN)	S.Y.	250.00		
PA-4	TYPE J COLLECTOR - TRENCH PATCH	S.Y.	45.00		
CG-1	NEW CONCRETE SIDEWALK (4" THICK - INCLUDES 4" AGGR. BASE)	S.Y.	121.00		
CG-2	NEW CONCRETE CURB CITY STD. 25.04A - (INCLUDES 6" AGGR. BASE)	L.F.	328.00		
CG-3	7" THICK CONCRETE ENTRANCE APRON (INCLUDES STONE BASE)	S.Y.	66.00		
CG-4	NEW 12' WIDE RESIDENTIAL ENTRANCE (SY BEHIND THE CURB AND GUTTER INCL. STONE BASE)	S.Y.	11.00		
CG-5	FLOWABLE FILL of ABANDONED 10" PIPE	C.Y.	0.60		
PD-1	REGULAR EXCAVATION	C.Y.	250.00		
PD-2	RISER STRUCTURE	EA.	1.00		
PD-3	6" HDPE SLOTTED UNDERDRAIN INSTALLATION (INCLUDES CLEANOUTS)	L.F.	90.00		
PD-4	WATER QUALITY FILTER MEDIA	C.Y.	114.00		

TAYLOR STREET WATER QUALITY PLAN AND PARKING LOT IMPROVEMENTS

BID FORM-REVISED

PD-5	No. 57 STONE BENEATH MEDIA	TONS	89.60		
WA-1	NEW 3/4" METER BOX (METERS TO BE PURCHASED AND INSTALLED BY CITY)	EA.	3.00		
WA-2	3/4" WATER SERVICE INSTALLATION	L.F.	55.00		
ST-1	12" CLASS III, REINFORCED CONCRETE PIPE	L.F.	48.00		
ST-2	15" CLASS III, REINFORCED CONCRETE PIPE	L.F.	40.00		
ST-3	BEDDING STONE FOR RCP PIPE INSTALLATION	TONS	10.50		
ST-4	NEW CURB INLET DI-3A - STRUCTURE C-1 (MONOLITHIC BOX)	EA.	1.00		
ST-5	NEW CURB INLET DI-3A - STRUCTURE C-2	EA.	1.00		
ST-6	STRUCTURE BENEATH INLET	V.F.	2.00		
MS-1	BIOFILTER TREES	EA.	4.00		
MS-2	BIOFILTER BUSHES	EA.	10.00		
MS-3	BIOFILTER HERBACEOUS COVER	EA.	78.00		
MS-4	BIOFILTER HARDWOOD MULCH (3" LAYER)	S.Y.	137.00		
MS-5	BIOFILTER RETAINING WALL	L.S.	1.00		
MS-6	BIOFILTER SPILLWAY	EA.	1.00		
MS-7	SLOPE LANDSCAPING	EA.	73.00		
MS-8	SOD TURF	S.Y.	650.00		
MS-9	SURVEY STAKEOUT	L.S.	1.00		
MS-10	AS-BUILT SURVEY	L.S.	1.00		
MS-11	COMPACTION TESTING	L.S.	1.00		
MS-12	PROJECT SIGN (4'x8' UTILITY PROJECT SIGNAGE)	L.S.	1.00		
MS-13	MOBILIZATION (SEE ADDENDUM 2)	L.S.	1.00		
				<b>TOTAL:</b>	

Note: 1. Contractor shall verify quantities to his own satisfaction prior to placing bid.



**FOUNDATION PLAN**

SCALE: 1/4"=1'-0"

- NOTES:  
 1. INSTALL 10" SCH 40 PIPE SLEEVE (ASTM A53) IN WALL. TYP 3 PLCS.  
 2. PROVIDE CONTROL JOINT IN BRICK WALL ABOVE IN THIS AREA.

NO.	REVISION	BY	DATE

**MASTER ENGINEERS & DESIGNERS**  
 904 Lakeside Drive, Lynchburg, VA 24501  
 434-846-1350 Fax: 434-846-1351

COMMONWEALTH OF VIRGINIA  
 GARY W. LOOMIS  
 Lic. No. 034383  
 16 SEP 13  
 PROFESSIONAL ENGINEER

**WARNER WHITE ENGINEERING PARTNERS**  
 118 CORNERSTONE STREET  
 LYNCHBURG, VIRGINIA 24502  
 PHONE: 434-534-3201 FAX: 434-534-3202

DRAWN BY: GLM	PROJECT: CITY PROJECT: #12022-SS	DATE: 6-10-13
DESIGNED BY: JLW	TAYLOR STREET	REV. 3-22-13
REVIEWED BY: TJW	WATER QUALITY PLAN	DRAWING No: S1
PROJECT No. 12025.00	LYNCHBURG, VIRGINIA	SHEET NUMBER: 1 OF 2
SCALE: GRAPHIC	TITLE: STRUCTURAL	
	FOUNDATION PLAN, ELEV & STRUCTURAL NOTES	

**STRUCTURAL NOTES**

**1.0 GENERAL REQUIREMENTS**

1.1 THE STRUCTURE HAS BEEN DESIGNED TO RESIST LOADS AS A COMPLETED STRUCTURE ONLY. APPLICATION OF CONSTRUCTION LOADS TO THE PARTIALLY COMPLETED STRUCTURE SHALL BE CONSIDERED BY THE CONTRACTOR AND INCLUDED IN THE DESIGN OF SHORING, BRACING, FORM WORK, AND OTHER SUPPORTING ELEMENTS PROVIDED FOR CONSTRUCTION OF THE STRUCTURE.

1.2 CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS, REPORTING ANY DISCREPANCIES TO THE ENGINEER AS THE WORK PROCEEDS.

**2.0 APPLICABLE CODES AND STANDARDS**

- 2.1 IBC-2009, "INTERNATIONAL BUILDING CODE"
- 2.2 ASCE 7, "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES"
- 2.3 ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
- 2.4 AISC, 530-05/ASCE 5-05/TMS 402-05 "BUILDING CODE REQUIREMENTS FOR MASONRY"

**3.0 DESIGN LOADS**

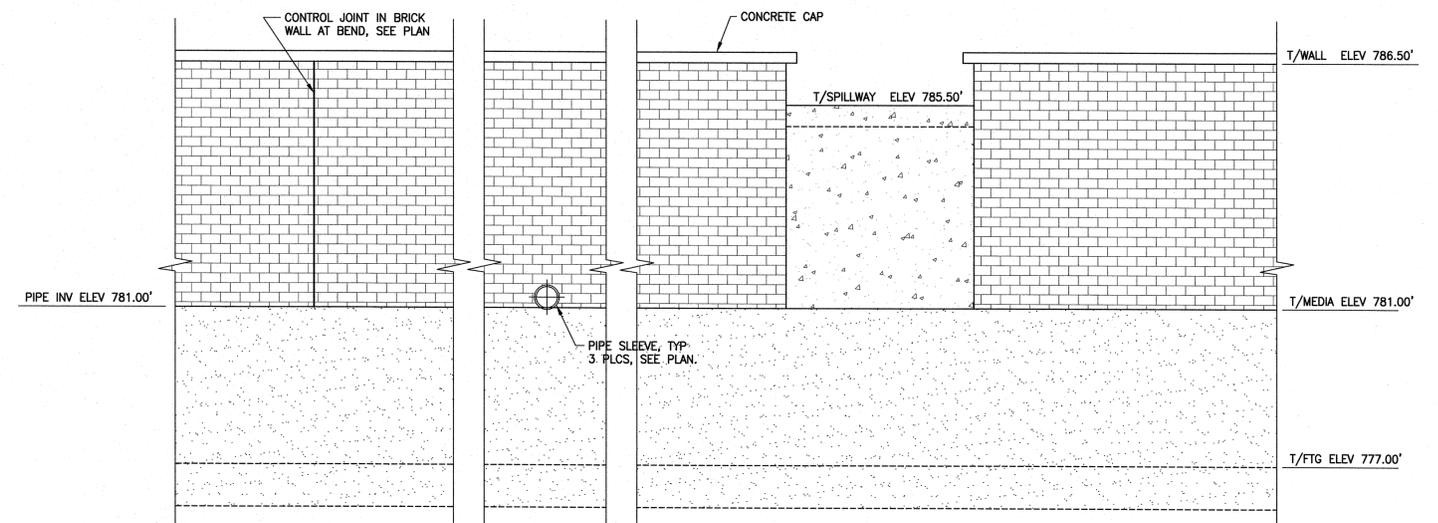
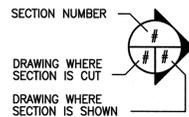
3.1 LATERAL EARTH PRESSURE 45 LB/FT<sup>2</sup>/FT DENSITY

**4.0 FOUNDATIONS**

- 4.1 FOUNDATIONS HAVE BEN DESIGNED BASED ON AN ALLOWABLE SOIL BEARING CAPACITY OF 2,000 PSF.
- 4.2 ALL FOUNDATIONS SHALL BEAR A MINIMUM OF 1'-6" BELOW GRADE.
- 4.3 ENGINEERED FILL SHALL BE APPROVED MATERIAL PLACED IN HORIZONTAL LAYERS WITH A MAXIMUM LOOSE THICKNESS OF 8". EACH LAYER SHALL BE COMPACTED TO A DRY MINIMUM DRY DENSITY OF 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 698 (STANDARD PROCTOR METHOD). FULL-TIME DENSITY TESTS SHALL BE PERFORMED TO VERIFY COMPACTION REQUIREMENTS ARE MET.

**5.0 MATERIALS**

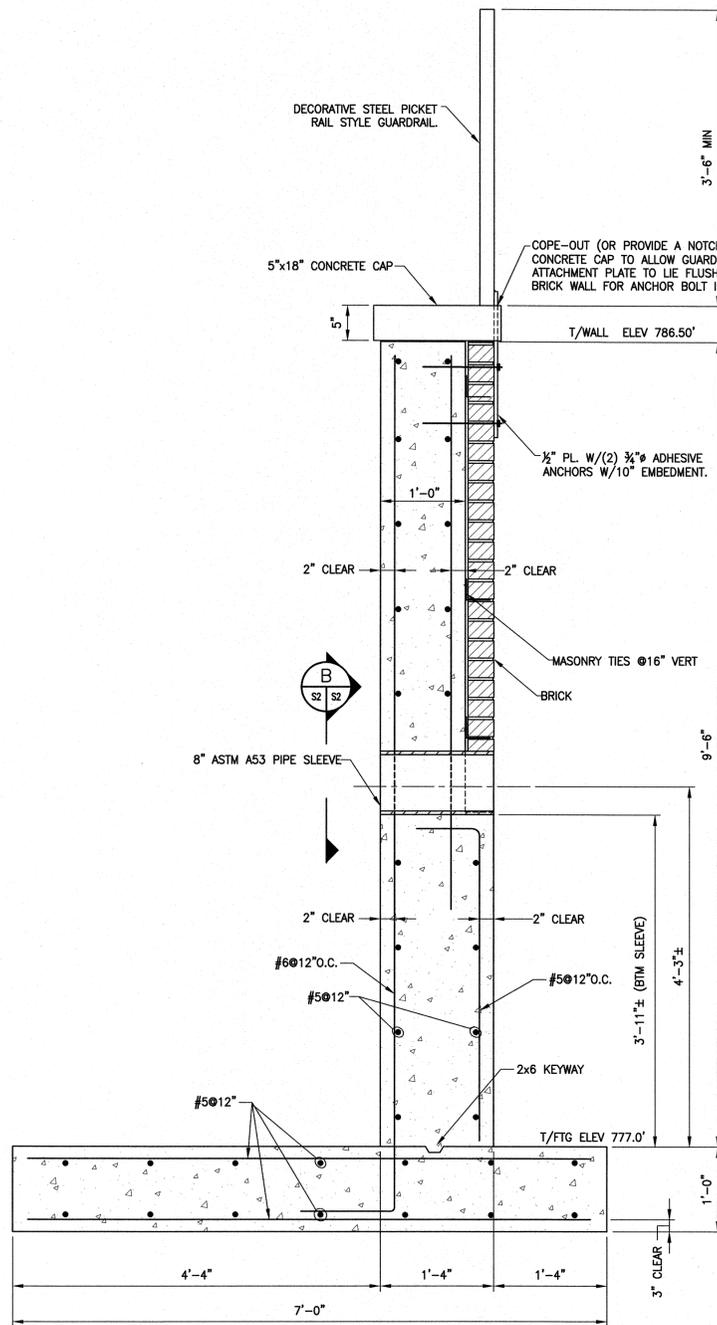
- 5.1 CONCRETE (COMPRESSIVE STRENGTH AT 28 DAYS)  
 FOOTINGS - 3,500 PSI  
 ELEVATED SLABS - 4,000 PSI  
 FOOTINGS AND EXTERIOR CONCRETE SHALL BE AIR-ENTRAINED
- 5.2 REINFORCING STEEL  
 REINFORCING BARS ASTM A615, GRADE 60  
 PIPE SLEEVE ASTM A53
- 5.3 MASONRY  
 MORTAR f'm=3,000 psi  
 GROUT f'm=3,500 psi  
 PROVIDE MASONRY TIES @ 16" VERTICALLY



**PARTIAL WALL ELEVATION**

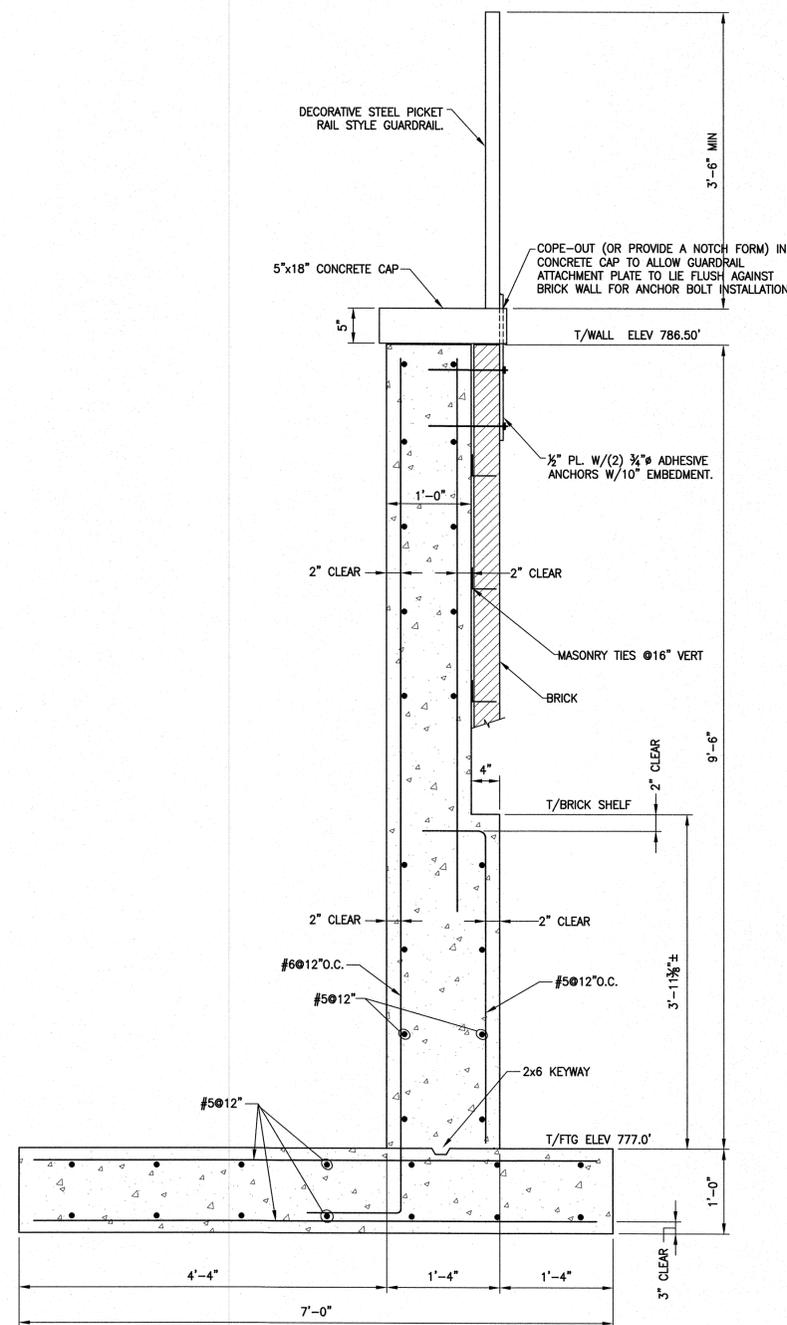
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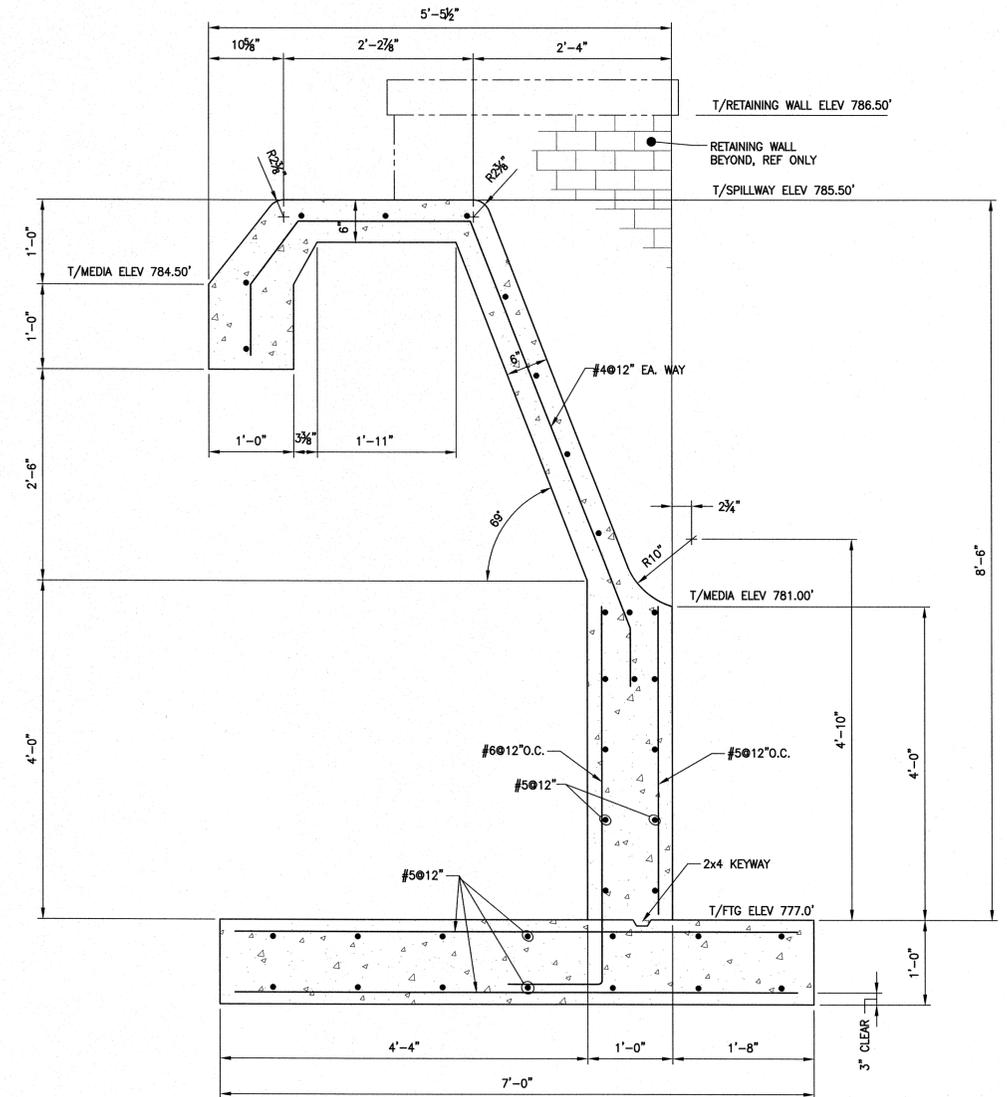
**WALL SECTION @ PIPE SLEEVE**

SCALE: 1"=1'-0"



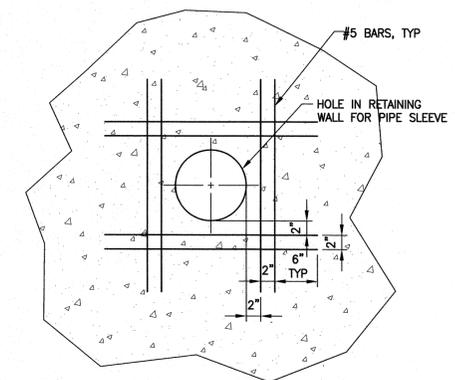
**WALL SECTION TYP**

SCALE: 1"=1'-0"



**SECTION 3**

SCALE: 1"=1'-0"



**DETAIL - REINFORCING @ HOLE**

SCALE: 1/2"=1'-0"



NO.	REVISION	BY	DATE

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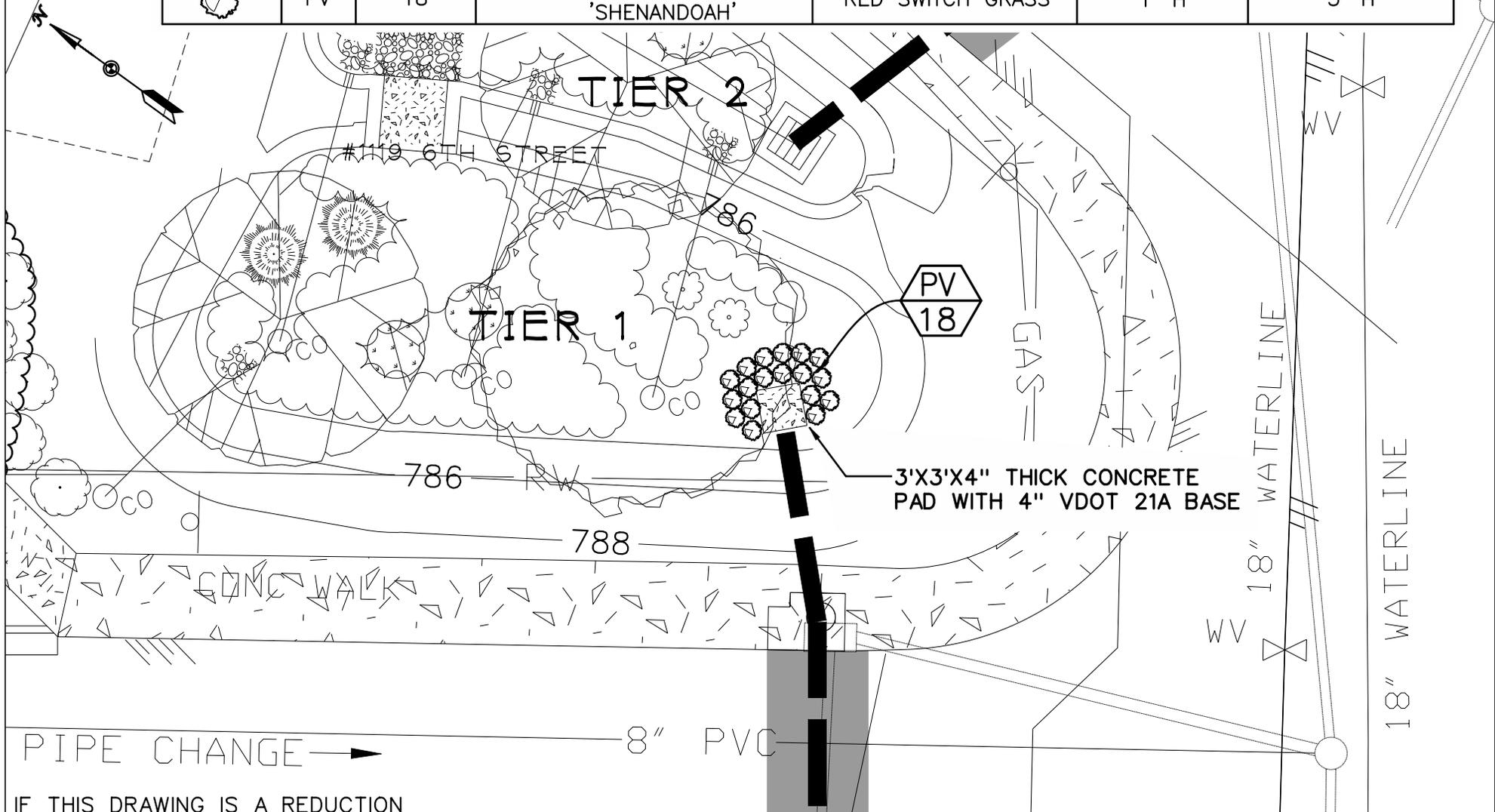
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DRAWN BY: GLM  
 DESIGNED BY: JLW  
 REVIEWED BY: TLW  
 PROJECT No. 12025.00  
 SCALE: GRAPHIC

PROJECT: CITY PROJECT: #12022-SS  
 TAYLOR STREET  
 WATER QUALITY PLAN  
 LYNCHBURG, VIRGINIA  
 TITLE: STRUCTURAL SECTIONS & DETAILS

DATE: REV. 6-10-13  
 3-22-13  
 DRAWING No: S2  
 SHEET NUMBER: 2 OF 2

SYMBOL	LABEL	QUANTITY	BOTANICAL NAME	COMMON NAME	PLANTING SIZE	ULTIMATE SIZE
HERBACEOUS						
	PV	18	PANICUM VIRGATUM 'SHENANDOAH'	RED SWITCH GRASS	1' H	3' H



PIPE CHANGE →

IF THIS DRAWING IS A REDUCTION  
GRAPHIC SCALE MUST BE USED



10' 0 10'

**WARNER  
WHITE**  
ENGINEERING PARTNERS

118 CORNERSTONE STREET  
LYNCHBURG, VIRGINIA 24502  
PHONE: 434-534-3201 FAX: 434-534-3202

PROJECT:  
**TAYLOR STREET  
CITY OF LYNCHBURG  
ADDENDUM 2**

DATE:  
9-25-13

SCALE:

SHEET No.