ADDENDUM NUMBER 3

CONTRACT DOCUMENTS
FOR
SCOTT COUNTY REGIONAL SEWER DISTRICT
LEXINGTON, INDIANA STEP SANITARY SEWER AND ENGLISHTON PARK WWTP
CONSTRUCTION PROJECT

This Addendum is issued in accordance with the provisions of the General Conditions of the Contract Documents and becomes a part of the Contract Documents as provided therein. The information contained herein modifies the original Bidding Documents dated June 2010 and all prior Addenda as applicable. Requirements of the original Bidding Documents and previous Addenda remain in effect except as modified by this Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

1. ***Division 11, Section 11200, delete all references to named manufactures.***

2. Clarification of Performance Specifications concerning RMF treatment units - ***"In order to demonstrate proven performance of the treatment system, satisfactory operating data must be provided. This information may be collected from either the pilot study system or from a similar system conforming to the following specific criteria.***

   - ***Test results from an existing system(s) of like design demonstrating consistent compliance with same NPDES effluent parameters including continuous winter data from November through March. Data shall include design rating (gpd) of the tested treatment system, actual treated flow rate, influent TSS, BOD and ammonia concentrations, and effluent TSS, BOD and ammonia concentrations.***

   - ***Test results for the same effluent parameters with sampling method and frequency the same as the NPDES permit requires for the proposed system.***

   - ***The results must be from system(s) located in a climate of like temperature to Lexington, particularly of comparable winter temperatures. Specific minimum winter operating temperatures are not stipulated (if within reason) as long as the system is operated at the flow and loading conditions noted above."***

3. *Comment(s):* Do bore under State Highways need steel casing? **Response** - ***[Yes, see attached drawing (Exhibit A) for additional details].***

4. *Comment(s):* Will we need to use granular fill along Alignment D in State Right-of-Way (S.R. 203)? **Response** - ***[Yes, per InDOT specification.]***

5. *Comment(s):* Is a valve required at the 1.25" service connection to mainline force main? **Response** - ***[Yes, see attached drawing (Exhibit B) for additional details.]***

6. *Comment(s):* Are we to install cleanouts between house and new tank for each connection? **Response** - ***[Yes, see attached drawing (Exhibit C) for additional details.]***

7. *Comment(s):* Will manufactured sand be acceptable for pipe bedding? **Response** - ***[Yes.]***

8. *Comment(s):* Will STEP units be put into service as installed, using the existing RMF tank to treat? **Response** - ***[No.]***

9. *Comment(s):* We are assuming deadmen anchors will be per tank manufacturers recommendations. **Response** - ***[Correct.]***

10. *Comment(s):* Will pea gravel be required to backfill around the RMF tanks? **Response** - ***[Backfill per manufacturer's recommendations.]***

11. *Comment(s):* Specification Section 01590, page 34 says that we are required to have a heated and cooled office trailer onsite, is this your intent? **Response** - ***[Not required.]***

12. *Comment(s):* Will we be able to directional drill any section that we feel is necessary? **Response** - ***[Yes.]***

13. *Comment(s):* Are we to put force mains at 36" cover or stay with your elevations per your profile sheets? **Response** - ***[36"cover.]***

14. *Comment(s):* I count 5 - mainline crossings of force main across State Highways and 4 service line crossings. Are you going to pay these all under bid item #27? Do you have a detail on casing requirements? **Response** - ***[There are 5 mainline crossings and 3 service line crossings across State Highways. These items will be paid under item #27 see attached revised Bid Schedule (Exhibit D). See attached Exhibit A for casing requirements.]***

15. *Comment(s):* Did you give any consideration to Polyethylene CTS size for service lines or anything below 2-inches, in lieu of SDR 21? **Response** - ***[Polyethylene may be used for service lines only, in lieu of SDR 21. Polyethylene pipe must meet ASTM F714-97, Standard Specification for Polyethylene (PE).]***

16. Clarification RMF treatment units - ***"Two control panels shall be furnished, one for the duplex recirculation pumps, and one for the duplex dosing pumps. The control panels will alternate pumps between run cycles. The recirculation panel will be timed dosed and use three floats, low level cutoff, timer override, and high water alarm. During normal operation with the low level cutoff float activated, the pump will run off the timer settings. If the water level rises and activates the timer override float, a recirculation pump run cycle will be activated regardless of the timer setting. After the cycle completes, normal time-based cycles will continue. The dosing panel will activate the pumps based on level in the dosing basin. The dosing panel will be operated with four floats, low level cut off, pump start, pump override (starts the second pump), and high water alarm. Both panels shall be furnished with NEMA 4X enclosures with lockable clasps for the cover, 2-pole circuit breakers for each pump, heavy duty IEC magnetic contactors, separate circuit breaker for control circuit, alarm light and buzzer with exterior silence button, HOA toggle switches for each pump, neon pump run indicator lights, pump run time counters, elapsed time meters, and weighted floats with 20' cords. The panels shall also include a 4-channel telephone dialer to contact service personnel if actuated by a high water alarm condition."***

17. *Comment(s):* How will the connection be made between the service lateral and the trunk line? Will this be a "T" in the line or will it be fused connection and tapped or saddle? **Response** - ***[See attached drawing, Exhibit B.]***

18. *Comment(s):* Will we need a valve and a backflow preventer at the truck line, where the lateral connects? **Response** - ***[See attached drawing, Exhibit B.]***

19. *Comment:* P25 of 30 Section 16050 says in specification book there will be no phone service to the STEP units. Is this correct? Bid item #25 is to connect STEP unit to phone service. **Response** - ***[Phone connection will not be required; see attached revised Bid Schedule, Exhibit D.]***

20. *Comment(s):* Sheet 28 lower left hand corner says 160 l.f. of 3/4" conduit. What is this for? **Response** - ***[Electric conduit.]***

21. *Comment(s):* Sheet #28 has notes on 4" gravity influent line with footage that are way more then what scales. Which is correct? **Response** - ***[Scale.]***

22. *Comment(s):* Per note 6, sheet #28, can you provide a dBA level to meet? **Response** - ***[55 dBA at 1 meter.]***

23. *Comment(s):* Sheet 28 shows the new 4" force main going through existing UV building. I don't believe this is your intent. It appears to me that you would just tie onto the existing 4" line, going through the building currently. **Response** - ***[Tie into the existing 4" line.]***

24. Clarification RMF treatment units - ***"The textile type media filter shall be hydraulically loaded at a rate no greater than 15 gallons per square foot of media bed area per day in order to prevent owner from excessive maintenance and cleaning costs. All other media types shall be hydraulically loaded at a rate no greater than 5 gallons per day per square foot of media bed area per day."***

25. Clarification concerning RMF treatment units - ***"The total system recirculation basin storage capacity shall exceed 40,000 gallons of useable storage capacity between the elevation of the recirculation basin pump low level cutoff level and the recirculation basin high water level. The treated effluent storage basin capacity shall exceed 10,000 gallons of useable storage capacity between the elevation of the dosing basin pump low level cutoff level and the dosing basin high water level."***

26. Clarification concerning RMF treatment units - ***"The textile filter media dosing rate shall not exceed 0.80 inches of water volume across the bed per dose."***

27. *Comment(s):* In regards to bid item #9 flushing assemblies. In locations where there are intersecting lines it shows 3 flushing assemblies and the detail on p.33 shows there being 3 valves and one flushing assembly. Will this be paid as 3 flushing assemblies or one? If it is paid as one flushing assembly the bid quantity will need to be reduced. As of now I

can only find 44 of the 50 flushing assemblies. **Response** - ***[Assemblies will be paid per unit, which includes all valves, piping, boxes, etc. See attached detail drawing, Exhibit E to clarify assembly placement. See attached revised Bid Schedule, Exhibit D for quantity corrections.]***

28. *Comment(s):* Sheet 8 of 35 if the existing septic tank gets abandoned, will there need to be a new one put in? **Response** - ***[See attached detail drawing, Exhibit F.]***

29. *Comment(s):* Is lime dust an acceptable alternative to sand encasement? **Response** - ***[No.]***

30. *Comment(s):* Bid item #27 Bore and Jack under Roadways. Typically a bore and jack is a bore with a steel casing pipe, is this your intent. On the plans it states to perform a directional bore (which I would interpret as no casing pipe required.) **Response** - ***[All bored crossing under State Highways must be encased, so a bore and jack is required in those locations. See attached revised Bid Schedule, Exhibit D for clarification on bore and jack quantity. See attached Exhibit A for casing requirements.]***

31. *Comment(s):* Does the material have to be Buy American because of the funding on this project? **Response** - ***[Refer to contract documents for purchasing clauses].***

32. *Comment(s):* Sheet 33 of 35 Detail in upper left corner (trench repair detail) Note #2 states (resurface all streets that are disturbed with 1 ½" overlay.) Is this your intention? **Response** - ***[Yes]***

33. *Comment(s):* The septic tank detail sheet 32 shows a 4" inlet and baffle but the plans show 6" coming from the house. Does the septic tank inlet and baffle need to be 6"? **Response** - ***[Yes]***

34. *Comment(s):* Bid item #6 says 6" sdr 35 pipe w/cleanout. Can you provide a detail for the clean outs? Also how often are cleanouts required? **Response** - ***[Yes, see attached drawing, Exhibit C. One (1) cleanout is required for each lateral.]***

35. *Comment(s):* The inlet and outlet screens are located at the same level as the Course Bubble aeration grid and the two will interfere with each other. We would want the screens to be located at a different level or the aeration grid modified to allow for the screens and aeration grid to not interfere with each other. **Response** - ***[inlet and outlet screenings at the polishing reactor, shall be a minimum 6" above diffuser assembly.]***

36. ***There will be no shared STEP units, all connections will have a dedicated STEP unit.***

37. *Comment(s):* In regards to pressure testing the line are we testing all the service lines 1.25" going to STEP units or are we just testing the mains? **Response** - ***[All lines shall be pressure tested]***

38. **The following clarification/correction shall be made to construction drawings, page 28 of 35.**

    - Delete references to branch circuit conductor size (Minimum Wire Gauge Schedule). All branch circuit wiring shall be sized per NEC standards.
    - Minimum diameter of branch circuit conduit shall be sized per NEC.

39. ***Power supply for the proposed wastewater treatment plant equipment shall be supplied from the existing 200 amp service located in the existing UV building.***

40. ***Correction - construction drawings, page 28 of 35. Change the number of blower motors from one (1) to two (2) on the "Proposed Estimated Electrical Load Table".***

41. **Replace the wage General Decision in the Contract Documents with the wage General Decision: IN200100006 06/18/2010 IN6. General Decision IN200100006 may be obtain at the following web address:**
    http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=Davis-Bacon&docid=IN20100006

ACKNOWLEDGMENT OF THIS ADDENDUM NUMBER 3 MUST BE INCLUDED IN THE BIDDER'S PROPOSAL.

END OF ADDENDUM NUMBER 3

Date Issued: July 15, 2010

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88 West McClain Avenue
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William A. Saegesser, PE

NOTES:

1.) THE INSIDE DIAMETER OF THE CASING PIPE SHLL NOT BE LESS THAN 2" GREATER THAN THE LARGEST OUTSIDE DIAMETER OF THE JOINTS AND COUPLINGS FOR CARRIER PIPE LESS THAN 6" O.D., AND 4" GREATER FOR CARRIER PIPE 6" AND LARGER. IT SHALL IN ALL CASES BE GREAT ENOUGH TO EASILY REMOVE CARRIER PIPE WITHOUT DISTURBING THE CASING PIPE.

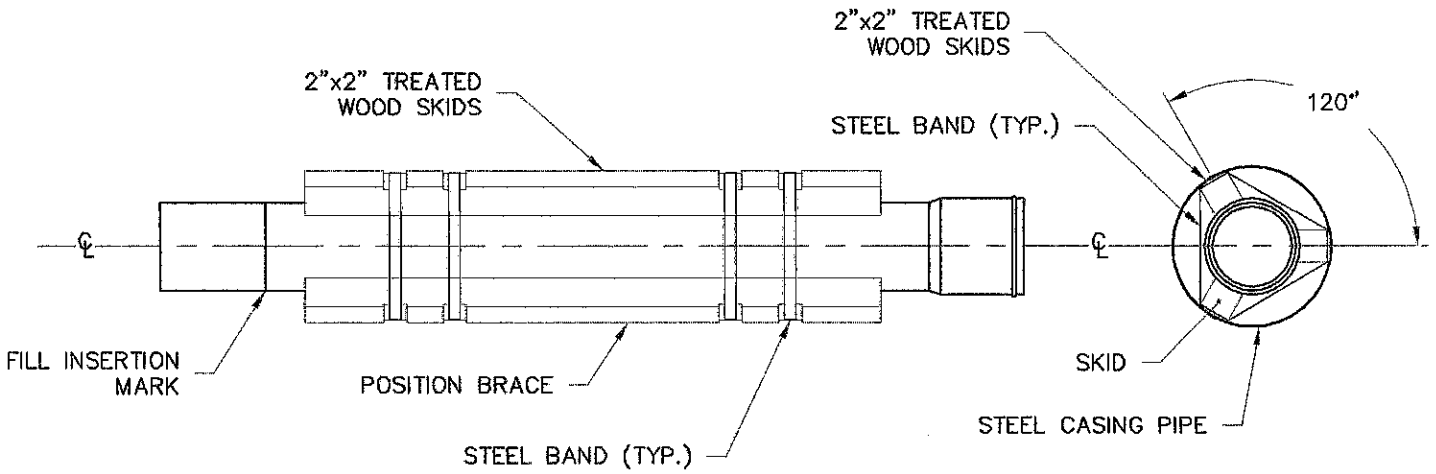
2.) SKID MUST PROVIDE HEIGHT TO PERMIT CLEARANCE BETWEEN THE BELL JOINT AND THE CASING WALL. CASING TO BE FILLED WITH BLOWN SAND AND GROUTED SHUT AT BOTH ENDS. INSTALL WEEP HOLES AT DOWN STREAM END.

3.) WHEN WIELDING CASING, BE SURE TO AVOID EXCESS PENETRATION THAT COULD RESTRICT PIPE SKIDS.

4.) STEEL PIPE USED AS A CARRIER PIPE SHALL HAVE MINIMUM WALL THICKNESS. AS SHOWN IN TABLE 1 STEEL PIPE USED AS A CASING PIPE, SHALL BE SELECTED BY THE CONTRACTOR TO HAVE MINIMUM WALL THICKNESS SUFFICIENT TO RESIST JACKING FORCES.

TABLE 1

OUTSIDE DIA. IN. (MM)	WALL THICKNES, IN. (MM)
18 (450) OR LESS	$\frac{1}{4}$ (6)
19–20 (475–500)	$\frac{5}{16}$ (8)
21–26 (525–650)	$\frac{3}{8}$ (10)
27–30 (675–750)	$\frac{1}{2}$ (13)
31–42 (775–1050)	$\frac{1}{2}$ (13)
43–48 (1075–1200)	$\frac{9}{16}$ (15)



CASING DETAIL

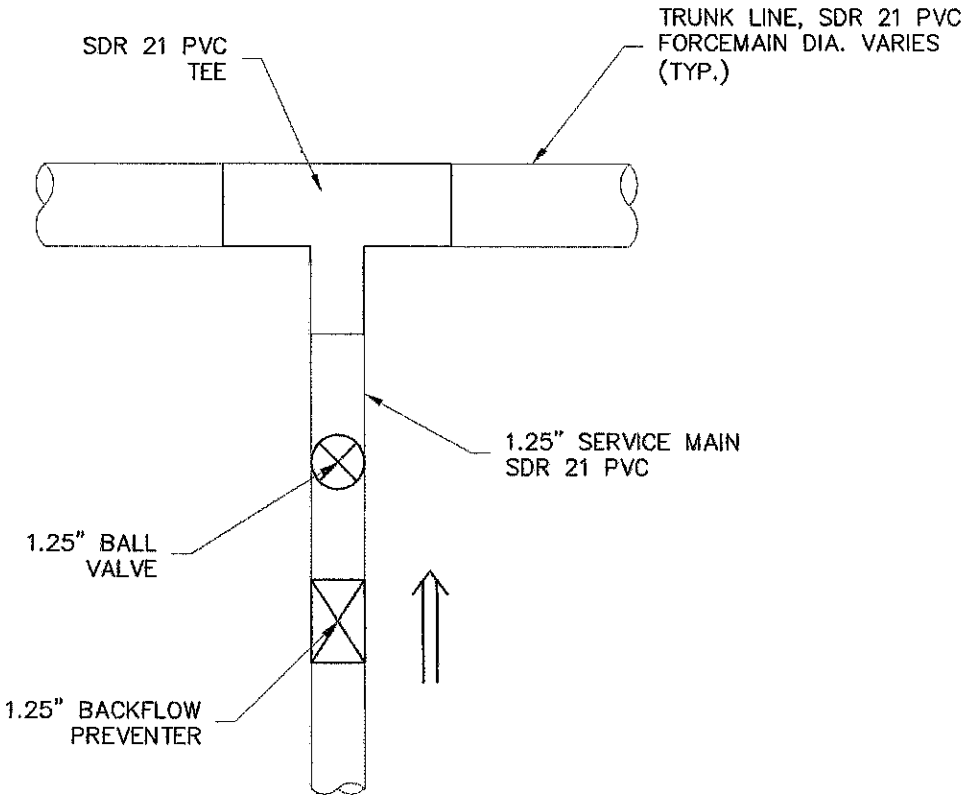
NOT TO SCALE

EXHIBIT 'A'

CASING DETAIL

Drawn By: MRS Checked By: JSS	File Name: Addendums.dwg Casing Detail.dwg	
Drawing Scale: N.T.S.	Date : 7/13/10	Sheet No. :

SAEGESSER ENGINEERING, INC.
88 West McClain Ave. Scottsburg, Indiana 47170
Phone: (812)752-8123 Fax: (812)752-7271



TRUNK LINE TO SERVICE LINE CONNECTION DETAIL

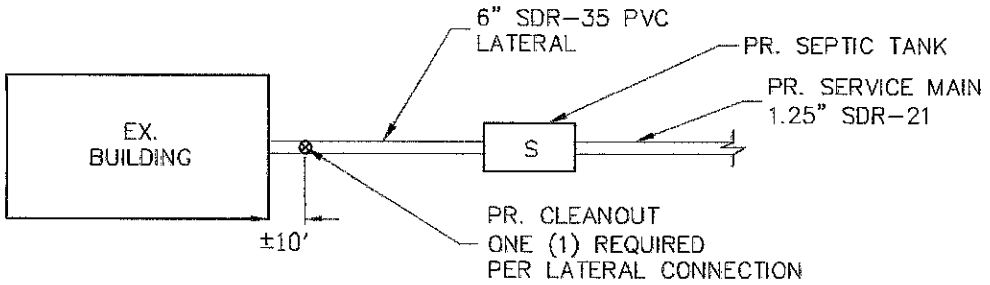
NOT TO SCALE

EXHIBIT 'B'

SERVICE CONNECTION DETAIL

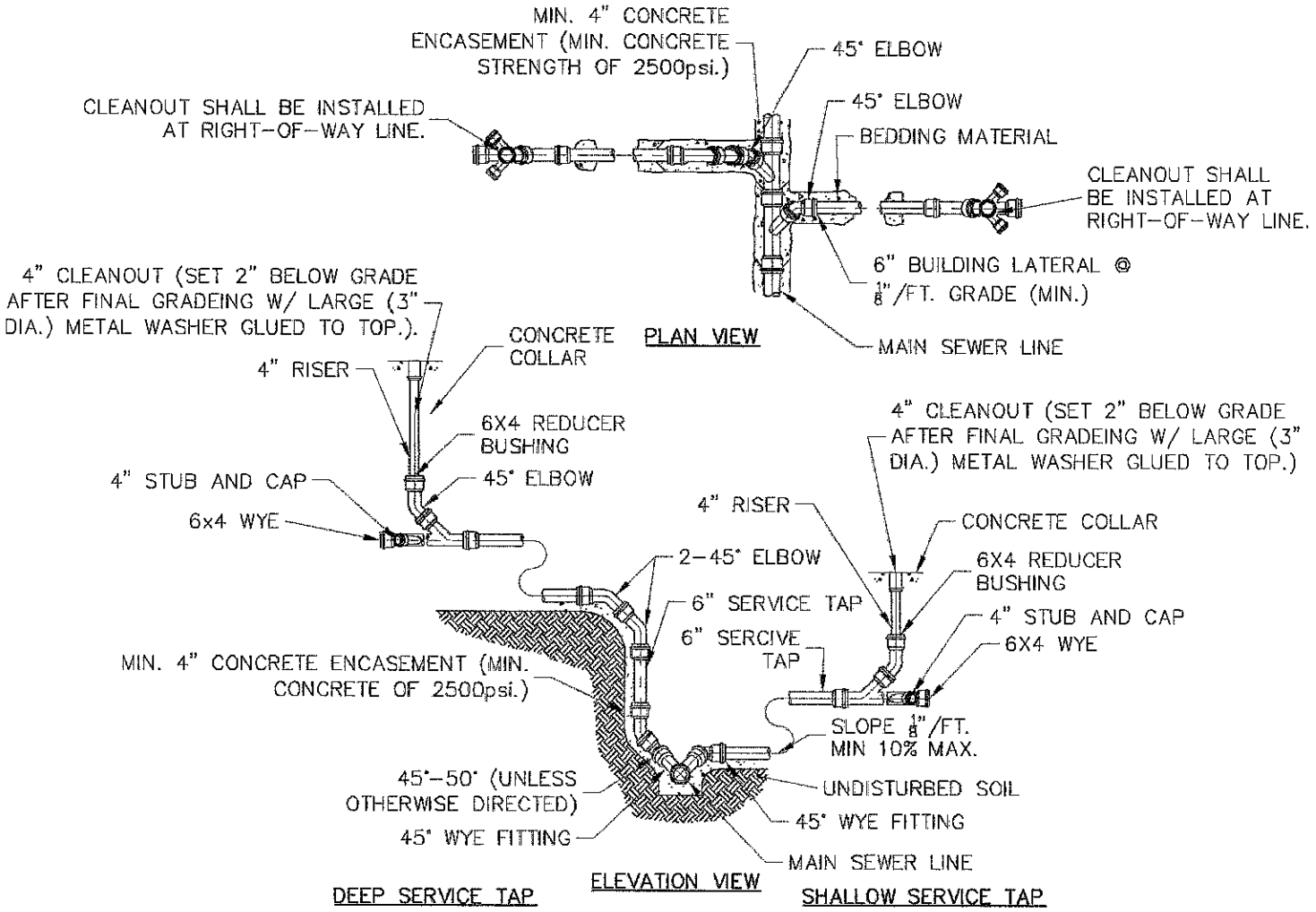
Drawn By: MRS Checked By: JSS	File Name: Addendums.dwg Service Connection Detail.dwg	
Drawing Scale: N.T.S.	Date : 7/13/10	Sheet No. :

SAEGESSER ENGINEERING, INC.
88 West McClain Ave. Scottsburg, Indiana 47170
Phone: (812)752-8123 Fax: (812)752-7271



CLEANOUT DETAIL (PLAN VIEW)

NOT TO SCALE



CLEANOUT DETAIL

NOT TO SCALE

EXHIBIT 'C'

CLEANOUT DETAIL

Drawn By: MRS Checked By: JSS	File Name: Addendums.dwg Cleanout Detail.dwg	SAEGESSER ENGINEERING, INC. 88 West McClain Ave. Scottsburg, Indiana 47170 Phone: (812)752-8123 Fax: (812)752-7271
Drawing Scale: N.T.S.	Date : 7/13/10	Sheet No. :

BIDDER agrees to perform all the work described in the CONTRACT DOCUMENTS for the following unit prices or lump sum amounts. All work shall be included in these amounts.

EXHIBIT 'D' - BID SCHEDULE - Addendum #3
SCOTT COUNTY REGIONAL SEWER DISTRICT
LEXINGTON, INDIANA STEP SANITARY SEWER & ENGLISHTON PARK WWTP

Note: The OWNER will furnish its Tax Exempt Number for purchase of materials used on the project. BIDS shall include all other applicable taxes and fees.

NO.	ITEM	UNIT	UNIT PRICE	Quantity	TOTAL PRICE
1	1,500 gallon, non-traffic rated septic tank effluent pump package (complete w/ site wiring, controls, etc.)	EA		117	$ -
2	STEP electric connection to building/house (including disconnect between building/house and STEP unit)	EA	$ 750.00	117	$ 87,750.00
3	1-in Waste Water Air/Vacuum Valve (complete w/ vault)	EA		7	$ -
4	1-in Waste Water Dual Body Combination Valve (complete w/ vault)	EA		25	$ -
5	1-in Waste Water Single Body Combination Valve (complete w/ vault)	EA		1	$ -
6	6-in Diameter SDR 35 PVC Lateral Sewer including Cleanouts and Stone Bedding - (non-paved)	LF		4600	$ -
7	6-in Diameter SDR 35 PVC Lateral Sewer including Cleanouts and Stone Bedding - (gravel)	LF		200	$ -
8	Lateral Connection to building/house and STEP tank	EA		117	$ -
9	Flushing Assembly (in-line, terminal and junctions)	EA		40	$ -
10	1.25-in SDR 21 PVC Serivce Main including all Fittings, complete with Main Line Connection Type 1 Backfill (non-paved)	LF		8,500	$ -
11	1.25-inSDR 21 PVC Serivce Main including all Fittings, complete with Main Line Connection Type 2 Backfill (gravel)	LF		400	$ -
12	1.25-in SDR 21 PVC Serivce Main including all Fittings, complete with Main Line Connection Type 3 Backfill (paved)	LF		350	$ -
13	1.25-in SDR 21 PVC Force Main including all Fittings and Type 1 Backfill (non-paved)	LF		100	$ -
14	1.25-in SDR 21 PVC Force Main including all Fittings and Type 3 Backfill (paved)	LF		300	$ -
15	1.5-in SDR 21 PVC Force Main including all Fittings and Type 1 Backfill (non-paved)	LF		4000	$ -
16	1.5-in SDR 21 PVC Force Main including all Fittings and Type 2 Backfill (gravel)	LF		200	$ -
17	1.5-in SDR 21 PVC Force Main including all Fittings and Type 3 Backfill (paved)	LF		250	$ -
18	2-in SDR 21 PVC Force Main including all Fittings and Type 1 Backfill (non-paved)	LF		6000	$ -
19	2-in SDR 21 PVC Force Main including all Fittings and Type 2 Backfill (gravel)	LF		400	$ -
20	2-in SDR 21 PVC Force Main including all Fittings and Type 3 Backfill (paved)	LF		400	$ -

BIDDER agrees to perform all the work described in the CONTRACT DOCUMENTS for the following unit prices or lump sum amounts. All work shall be included in these amounts.

EXHIBIT 'D' - BID SCHEDULE - Addendum #3
SCOTT COUNTY REGIONAL SEWER DISTRICT
LEXINGTON, INDIANA STEP SANITARY SEWER & ENGLISHTON PARK WWTP

Note: The OWNER will furnish its Tax Exempt Number for purchase of materials used on the project. BIDS shall include all other applicable taxes and fees.

NO.	ITEM	UNIT	UNIT PRICE	Quantity	TOTAL PRICE
21	3-in SDR 21 PVC Force Main including all Fittings and Type 1 Backfill (non-paved)	LF		5000	$ -
22	3-in SDR 21 PVC Force Main including all Fittings and Type 1 Backfill (gravel)	LF		250	$ -
23	3-in SDR 21 PVC Force Main including all Fittings and Type 1 Backfill (paved)	LF		600	$ -
24	Spare Parts (STEP pumps only)	EA		10	$ -
25	Abandon Existing Septic Tanks in Place After Pumping and Filling Tank	LS		117	$ -
26	Bore and Jack under roadways	LF		500	$ -
27	Rock Excavation	CY		1000	$ -
28	Remove and reset items (fences, mailboxes, sheds, etc.)	LS		1	$ -
29	10,000 GPD Re-circulating Media Filter (RMF) Treatment Plant	EA		4	$ -
30	RMF Treatment Plant Site Piping (complete, e.g. gravity and pressure mains, distribution box, valves, fittings, etc.)	LS		1	$ -
31	RMF Treatment Plant Site Electric & Communications (complete)	LS		1	$ -
32	Nitrifing Polishing Reactor (complete with effluent lift station)	LS		1	$ -
33	Ground restoration, including seed and protect all disturbed areas	LS		1	$ -
34	Bituminous Asphalt Surface	TON		500	$ -
35	Bituminous Asphalt Base	TON		100	$ -
36	Mobilization, including 100% Performance Bond, 100% Payment Bond, and Insurance.	LS		1	$ -
37	Demobilization.	LS		1	$ -

TOTAL OF BASE BID $ $ -

TOTAL OF BASE BID IN WORDS _____

Allowance

BIDDER agrees to perform all the work described in the CONTRACT DOCUMENTS for the following unit prices or lump sum amounts. All work shall be included in these amounts.

EXHIBIT 'D' - BID SCHEDULE - Addendum #3
SCOTT COUNTY REGIONAL SEWER DISTRICT
LEXINGTON, INDIANA STEP SANITARY SEWER & ENGLISHTON PARK WWTP

Note: The OWNER will furnish its Tax Exempt Number for purchase of materials used on the project. BIDS shall include all other applicable taxes and fees.

NO.	ITEM	UNIT	UNIT PRICE	Quantity	TOTAL PRICE

Respectfully Submitted:

_____
(Bidder's Name - Company Name)

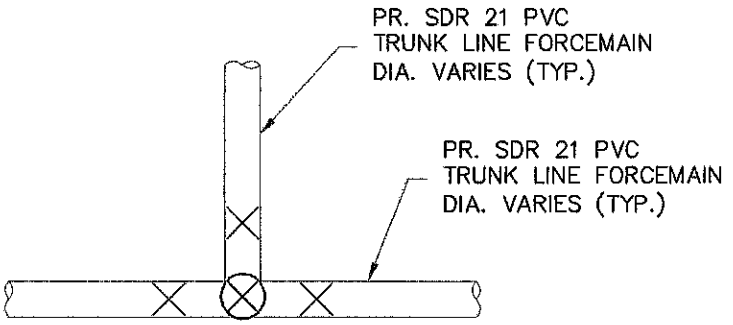
_____ _____
(Signature) (Address)

_____ _____
(Title) (Date)
(Corporate Seal)

LEGEND

FLUSHING ASSEMBLY..... ⊗

ISOLATION VALVE..... ×



3–WAY FLUSHING ASSEMBLY LAYOUT DETAIL

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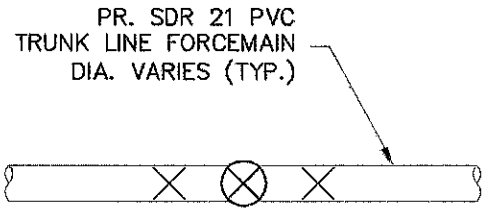
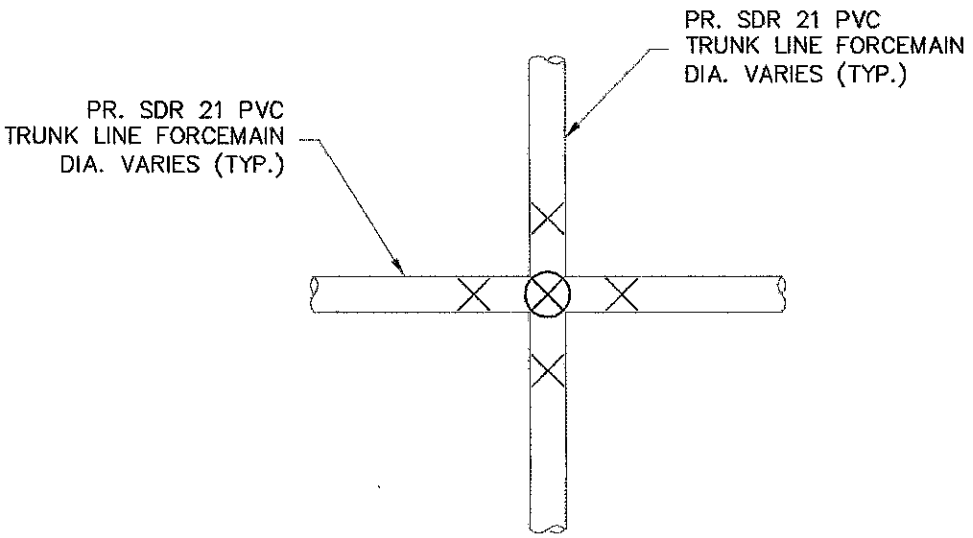


IN–LINE FLUSHING ASSEMBLY LAYOUT DETAIL

NOT TO SCALE



4–WAY FLUSHING ASSEMBLY LAYOUT DETAIL

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EXHIBIT 'E'

FLUSHING ASSEMBLY LAYOUT DETAIL

Drawn By: MRS Checked By: JSS	File Name: Addendums.dwg 3–4 Way Flushing Layout.dwg	
Drawing Scale: N.T.S.	Date : 7/13/10	Sheet No. :

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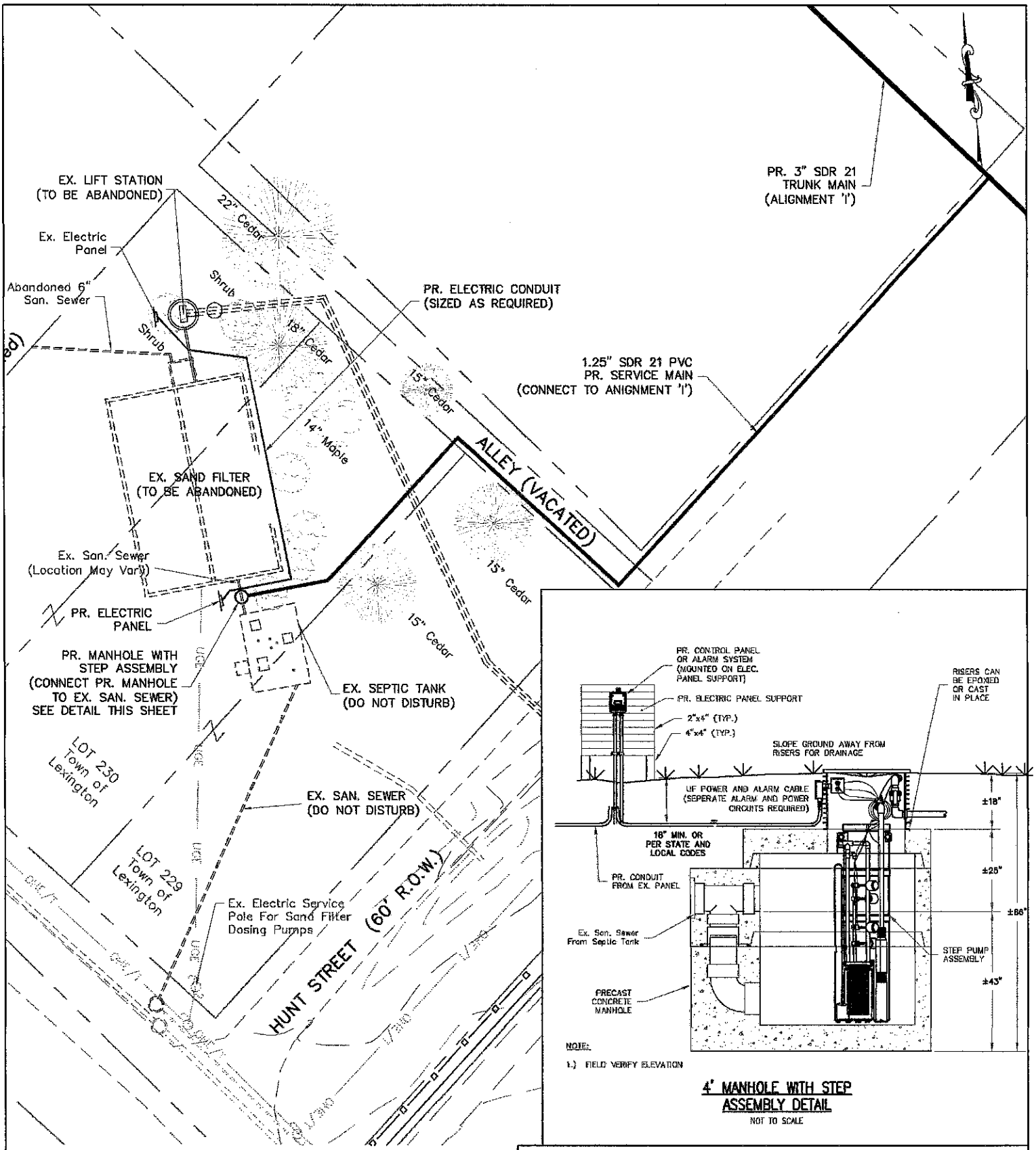

EXHIBIT 'F'

SITE PLAN SCHOOL CONNECTION

Drawn By: MRS Checked By: WAS	File Name: 0203.dwg Connection Site Plan (7-13-10)	
Drawing Scale: 1"=40'	Date : 7/13/10	Sheet No. :

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