Bay Architects

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Webster, Texas 77598
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ADDENDUM NO. 07
9 June 2009

Project: **THE NEW TEXAS CITY HIGH SCHOOL**
Texas City Independent School District

Issued by: **Bay Architects, Inc.**
18201 Gulf Freeway
Webster, TX 77598
281-286-6605

Bay Project No.: **0748**

Prepared for: **Prospective Proposers**

06/09/09

PART A: NOTICE TO PROPOSERS:

1. Receipt of this Addendum shall be acknowledged on the Proposal Form. Failure to do so may subject Proposers to disqualification. Each proposer shall make necessary adjustments and submit his proposal with full knowledge of all modifications, clarification, and supplemental data included therein.

2. This Addendum forms part of the Contract Documents and shall be incorporated integrally therewith. Where provisions of the following supplemental data differ from those of previously issued documents, this Addendum shall govern.

3. The following Contract Documents have been issued to date delineating the Work (Project).

Contract Documents	18 May 2009
Addendum 01	1 June 2009
Addendum 02	4 June 2009
Addendum 03	4 June 2009
Addendum 04	4 June 2009
Addendum 05	5 June 2009
Addendum 06	9 June 2009

4. This Addendum consists of: two (2) 8-1/2x11 pages; four (4) attached sketches, **ADD-07-01** to **ADD-07-04** (dated 6-09-09); as prepared by Brooks and Sparks. Total pages included in this Addendum: six (6) pages.

PART B: CHANGES TO PRIOR ADDENDUM
"*Any changes to prior issued addendum materials are listed here.*"

5. None

PART C: CHANGES TO THE PROJECT MANUAL

6. None

PART D: CHANGES TO THE DRAWINGS

7. Sheet C2.01. Add Notes 12 and 13 to "Sanitary Sewer Construction Notes". Notes 12 and 13 describe additional wet soil construction. See Sketch **ADD-07-01.**

8. Sheet C2.29. Add sanitary sewer wet trench construction detail. See Sketch **ADD-07-02**.

9. Sheet C2.29A. New Sheet. Add corrosion resistant manhole detail. See Sketch **ADD-07-03**.

10. Sheet C2.29A. New Sheet. Add seal slab and pile detail for sanitary sewer lift station wet soil conditions. See Sketch **ADD-07-04**.

PART E: RE-ISSUED SHEETS

11. None

END OF ADDENDUM

SANITARY SEWER CONSTRUCTION NOTES

1. SANITARY SEWER SHALL BE PVC (POLY- VINYL CHLORIDE) PIPE MEETING A.S.T.M. SPECIFICATIONS, C-3034-73 AND HAVING A S.D.R. OF 26 UNLESS OTHERWISE SHOWN ON PLANS. BEDDING BACKFILLING AND INSTALLATION OF PIPE AND CONSTRUCTION OF APPURTENANCES SHALL BE IN ACCORDANCE WITH THE CIVIL DETAIL SHEETS.

2. THE CONTRACTOR SHALL USE PRECAST SANITARY SEWER MANHOLES.

3. ALL MANHOLES, AND CLEANOUTS SHALL BE BACKFILLED WITH CEMENT STABILIZED SAND. CEMENT STABILIZED SAND FILL SHALL BE AT LEAST 12" ON BOTTOM OF STRUCTURE AND 12" AROUND OUTSIDE OF STRUCTURE.

4. CONTRACTOR SHALL CUT OFF PIPE FLUSH WITH INSIDE FACE OF MANHOLES.

5. CONTRACTOR SHALL SEAL INTERIOR SURFACE OF PROPOSED SANITARY SEWER MANHOLES WITH RAVEN LINER 405, OR APPROVED EQUAL AS PER MANUFACTURER'S SPECIFICATIONS.

6. ALL SANITARY SEWER MANHOLES SHALL BE VACUUM TESTED.

7. ALL SANITARY SEWER LINES SHALL BE MANDREL AND AIR TESTED. ALL SANITARY SEWER LINES SHALL ALSO BE INSPECTED VIA CAMERA.

8. UTILITIES ARE TO BE TAKEN TO WITHIN FIVE (5) FEET OF BUILDING. SEE PLUMBING SHEETS FOR CONTINUATION OF SERVICE CONNECTIONS INTO BUILDING.

9. TIE-INS TO EXISTING MANHOLES SHALL BE MADE SUCH THAT THE FINAL CONDITIONS UPON COMPLETION OF THE JOB SHALL BE AS GOOD OR BETTER THAN PRIOR TO STARTING WORK.

10. THE CONTRACTOR IS TO INSTALL WATER-TIGHT ADAPTORS OF A TYPE COMPATIBLE WITH THE MATERIALS BEING JOINED AT THE POINT OF CONNECTION OF THE SERVICE LINE TO THE BUILDING PLUMBING. NO CEMENT GROUT MATERIALS ARE PERMITTED.

11. THE CONTRACTOR IS TO INSTALL EACH CLEANOUT SO THAT IT OPENS IN A DIRECTION OPPOSITE TO THE FLOW OF THE WASTE AND, EXCEPT IN THE CASE OF A "WYE" BRANCH AND END-OF-THE-LINE CLEANOUTS, CLEANOUTS WILL BE INSTALLED VERTICALLY ABOVE THE FLOW LINE OF THE PIPE. CLEANOUTS WILL BE MADE WITH AIR-TIGHT MECHANICAL PLUG.

12. WET TRENCH CONSTRUCTION MAY AFFECT PORTIONS OF THE 8" SANITARY SEWER INSTALLATION. CONTRACTOR TO PROVIDE A UNIT COST ITEM FOR THE ADDITIONAL COST PER LINEAR FOOT TO DE-WATER (WELL-POINT) THE SANITARY SEWER TRENCH AND BED AND BACKFILL SAID SECTIONS PER THE SANITARY OR STORM SEWER CRUSHED STONE FOUNDATION FOR WET STABLE TRENCH DETAIL AS PROVIDED IN ADDENDUM #7 SKETCH ADD-07-02. COST SHALL BE PER LINEAR FOOT AND CONSTRUCTION COMPLETE IN PLACE.

13. WET SOIL CONDITIONS MAY AFFECT CONSTRUCTION AND INSTALLATION OF PROPOSED SANITARY SEWER LIFT STATION. CONTRACTOR TO PROVIDE A LUMP SUM COST TO PROVIDE THE FOLLOWING: 2' THICK SEAL SLAB AND PILES PER CITY OF HOUSTON DETAIL 02082-04 (DETAIL PROVIDED IN ADDENDUM #7 SKETCH ADD-07-04), WELL POINTING AND TRENCH SAFETY (TRENCH BOXES) FOR EXCAVATION AND ONE (1) SOIL BORING TO A 30 FOOT DEPTH AND GEOTECHNICAL ENGINEER RECOMMENDATION FOR PILES. USE THE 8' DIAMETER MANHOLE REQUIREMENTS ON DETAIL 02082-04. CONTRACTOR TO COORDINATE SOIL BORING AND GEOTECHNICAL RECOMMENDATION ON PILES AFTER BUILDINGS ARE DEMOLISHED AND BORING CAN BE PERFORMED AT EXACT LIFT STATION LOCATION.

7

STORM SEWER CONSTRUCTION NOTES

STATE OF TEXAS
W. JOEL SEYBERT
92999
LICENSED
PROFESSIONAL ENGINEER
6/9/09

BROOKS & SPARKS, INC.
CONSULTING ENGINEERING

SCALE: N.T.S.	ADDENDUM# 07-01
DATE: 06/09/09	SHEET NO.: C2.01

TEXAS CITY INDEPENDENT SCHOOL DISTRICT
THE NEW TEXAS CITY HIGH SCHOOL
TEXAS CITY, TEXAS
GENERAL NOTES

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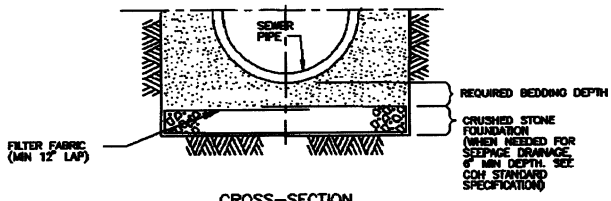
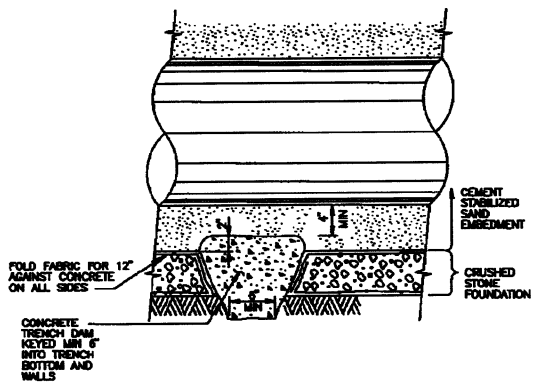
NOTES:

1. ACTUAL SHAPE OF CONCRETE TRENCH DAM CROSS SECTION MAY BE DETERMINED BY CONTRACTOR IN FIELD, MEETING MINIMUM THICKNESS AND KEY DEPTH REQUIREMENTS.
2. THIS DETAIL SHALL BE USED WITH CEMENT STABILIZED SAND EMBEDMENT, OR OTHER CLASS II EMBEDMENT, IN WET STABLE TRENCH CONDITIONS.
3. PLACE TRENCH DAMS IN CLASS I EMBEDMENTS AT THE MIDPOINT OF LINE SEGMENTS LONGER THAN 100 FEET BETWEEN MANHOLES.



CROSS-SECTION
OF CRUSHED STONE FOUNDATION



LONGITUDINAL SECTION ALONG PIPE ℄
AT FOUNDATION TRENCH DAM

CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING ENGINEERING, CONSTRUCTION AND REAL ESTATE DIVISION	
SANITARY OR STORM SEWER CRUSHED STONE FOUNDATION FOR WET STABLE TRENCH (NOT TO SCALE)	
APPROVED BY: CITY ENGINEER	APPROVED BY: DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE: OCT-01-2002	DWG NO: 02317-02

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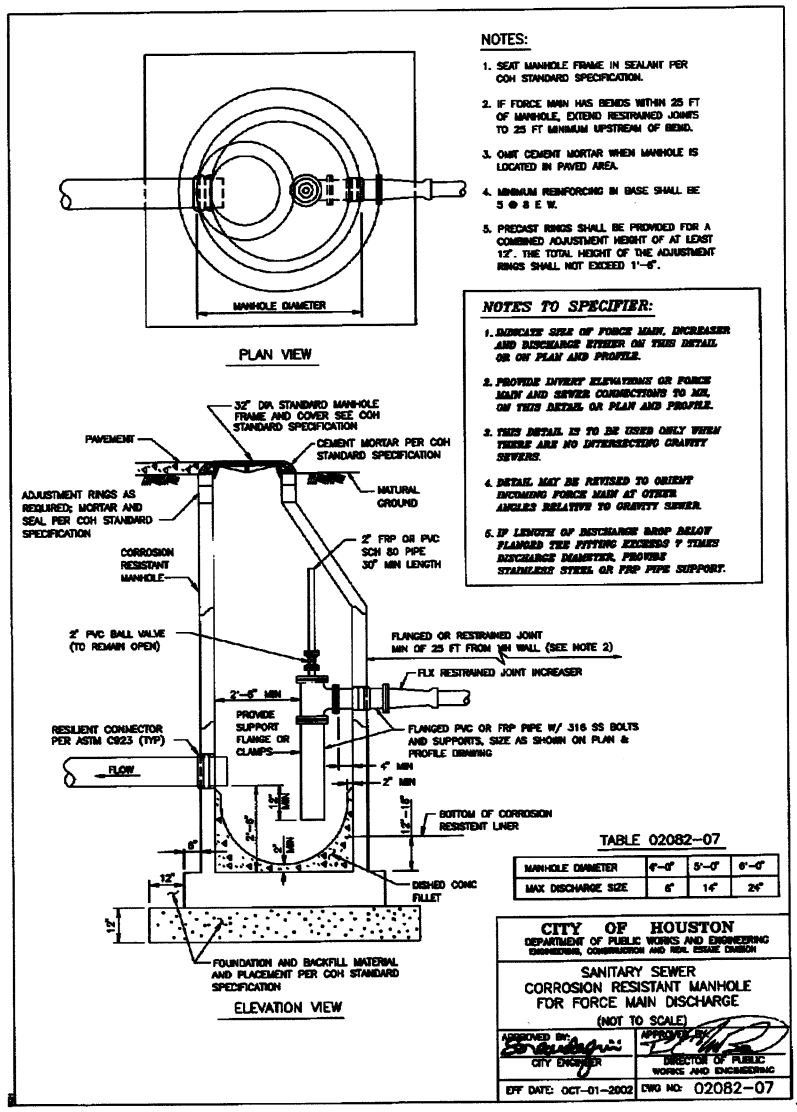
STATE OF TEXAS
W. JOEL SEYBERT
92999
LICENSED
PROFESSIONAL ENGINEER
6/9/09

BROOKS & SPARKS, INC.
CONSULTING ENGINEERING

SCALE: N.T.S.	ADDENDUM# 07-02
DATE: 06/09/09	SHEET NO.: C2.29

TEXAS CITY INDEPENDENT SCHOOL DISTRICT
THE NEW TEXAS CITY HIGH SCHOOL
TEXAS CITY, TEXAS
SANITARY SEWER DETAILS



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STATE OF TEXAS
W. JOEL SEYBERT
92999
LICENSED
PROFESSIONAL ENGINEER
6/9/09

BROOKS & SPARKS, INC.
CONSULTING ENGINEERING

SCALE: N.T.S.	ADDENDUM# 07-03
DATE: 06/09/09	SHEET NO.: C2.29A

TEXAS CITY INDEPENDENT SCHOOL DISTRICT
THE NEW TEXAS CITY HIGH SCHOOL
TEXAS CITY, TEXAS
SANITARY SEWER DETAILS

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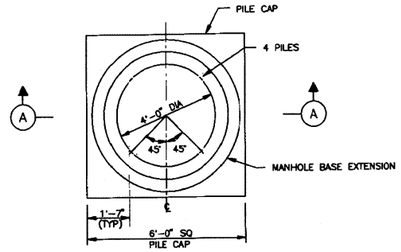
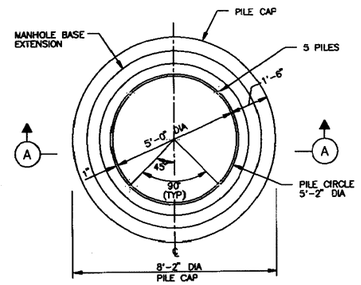
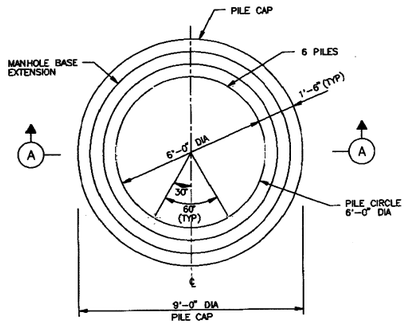


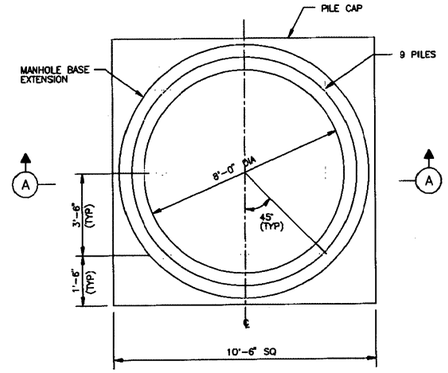
6 PILE PLAN
4'-0" ID MANHOLE



PLAN
5'-0" ID MANHOLE



6 PILE PLAN
6'-0" ID MANHOLE



9 PILE PLAN
8'-0" ID MANHOLE

TABLE 1

PILE REQUIREMENTS

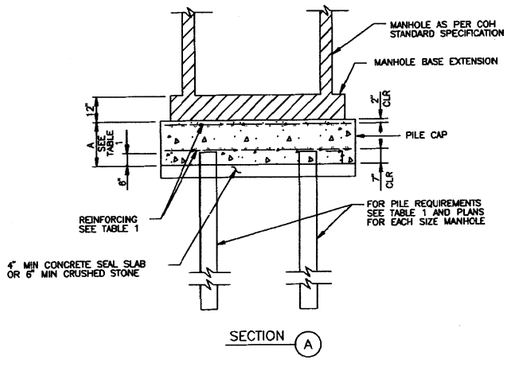
MANHOLE ID (FT)	NUMBER OF PILES	DEPTH TO INVERT (FT)	CAPACITY/ PILE (TONS) MINIMUM	PILE CAP DIMEN A (FT)	PILE CAP REINF (EW, T&B)
4	4	10	9	1'-9"	# 6 @ 6"
		12	10		
		15	11		
		20	13		
		25	15		
		30	17		
5	5	10	10	1'-9"	# 6 @ 6"
		12	11		
		15	12		
		20	15		
		25	17		
		30	20		
6	6	10	9	2'-0"	# 6 @ 6"
		12	10		
		15	12		
		20	15		
		25	17		
		30	20		
8	9	10	8	2'-0"	# 7 @ 6"
		12	9		
		15	10		
		20	13		
		25	16		
		30	18		

NOTES:

1. PILING SUPPORT SHALL BE INSTALLED AT ALL LOCATIONS WHERE HEAVING SUBGRADE CONDITIONS ARE LIKELY TO OCCUR, AS DETERMINED BY THE CITY ENGINEER.
2. THE CITY ENGINEER WILL PROVIDE THE SIZE, LENGTH, AND MATERIAL OF PILE NEEDED TO CARRY THE CAPACITY SHOWN ON TABLE 1 BASED ON ACTUAL CONDITIONS REVEALED AT TIME OF CONSTRUCTION.

NOTES TO SPECIFIER:

1. *INCLUDE THIS DETAIL ONLY IF THE GEOTECHNICAL REPORT INDICATES THAT AN UNSTABLE FOUNDATION (ONE WHICH WILL NOT ALLOW COMPACTION AND/OR DEWATERING AS SPECIFIED) IS POSSIBLE. IF THIS CONDITION IS REPORTED BY THE GEOTECHNICAL ENGINEER, NOTIFY THE CITY'S PROJECT MANAGER.*
2. *ALWAYS INCLUDE COMPANION STANDARD DETAIL SHOWING CRUSHED STONE SUPPORTED MANHOLE FOR UNSTABLE SUBGRADE WITH THIS DETAIL.*
3. *WHERE SOIL BORINGS ARE MADE AT MANHOLE LOCATIONS AND THE GEOTECHNICAL ENGINEER BELIEVES THAT THE CONDITIONS REQUIRING THIS DETAIL ARE LIKELY TO EXIST, PROVIDE PILE DESIGN INFORMATION DETERMINED BY THE GEOTECHNICAL ENGINEER FOR EACH SUCH MANHOLE. ADJUST NOTES AS TO INDICATE THAT THE PILE INFORMATION PROVIDED MAY NEED TO BE ADJUSTED OR THE PILES ELIMINATED AND THAT OTHER MANHOLE LOCATIONS NOT SHOWN AS PILE SUPPORTED MAY NEED PILES DEPENDING ON ACTUAL CONDITIONS UNCOVERED.*
4. *PROVIDE APPROPRIATE PILE SPECIFICATIONS.*

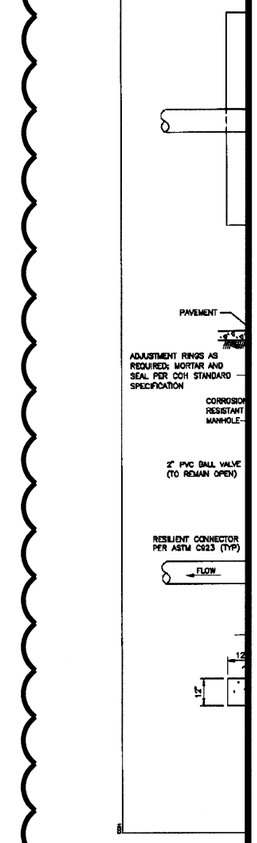


SECTION (A)

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
ENGINEERING, CONSTRUCTION AND REAL ESTATE DIVISION

SANITARY SEWER
PILE SUPPORTED MANHOLE
FOR UNSTABLE SUBGRADE
(NOT TO SCALE)

APPROVED BY:	APPROVED BY:
CITY ENGINEER	DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE: OCT-01-2002	DWG NO: 02082-04



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STATE OF TEXAS
W. JOEL SEYBERT
92999
LICENSED
PROFESSIONAL ENGINEER
6/9/09

BROOKS & SPARKS, INC.
CONSULTING ENGINEERING
TEXAS REGISTERED ENGINEERING
FIRM F-880

SCALE: N.T.S.	ADDENDUM# 07-04
DATE: 06-09-09	SHEET NO.: C2.29A

TEXAS CITY INDEPENDENT SCHOOL DISTRICT
THE NEW TEXAS CITY HIGH SCHOOL
TEXAS CITY, TEXAS
SANITARY SEWER DETAILS