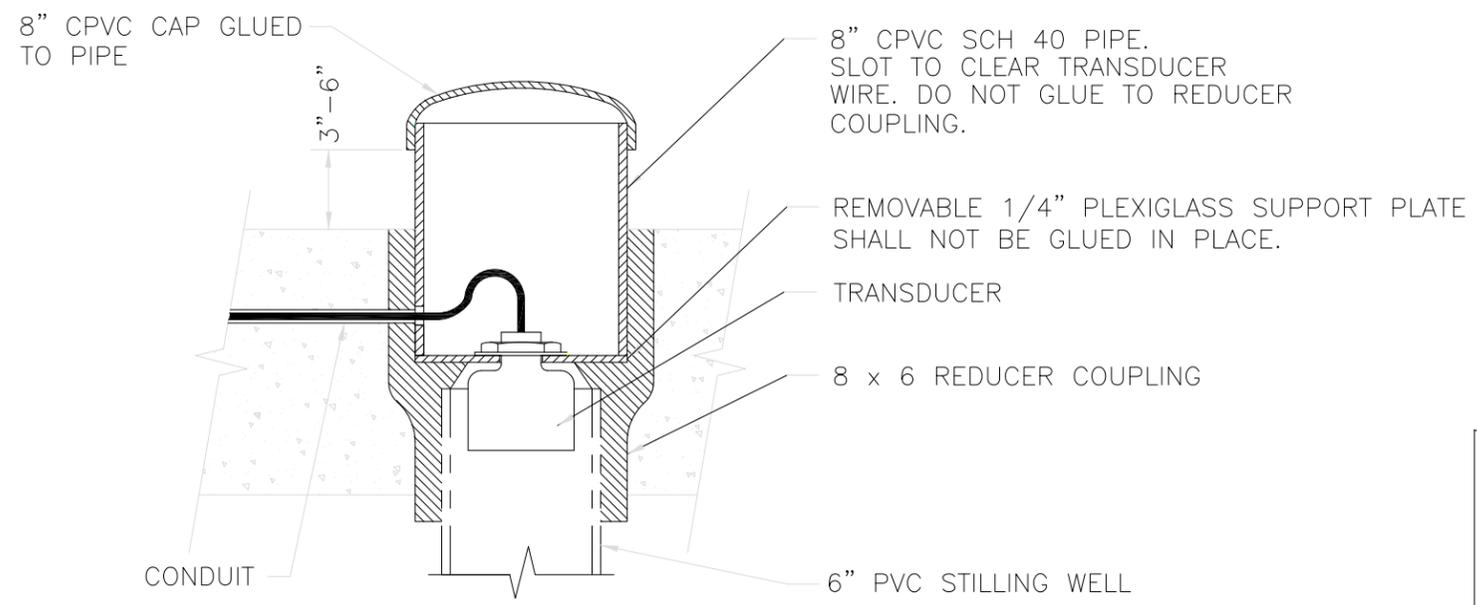


**NOTES FOR DESIGNER:** (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. REVIEW DETAILS AND EDIT AS NEEDED TO SUIT PROJECT REQUIREMENTS.
2. REFER TO THE FOLLOWING LANL STANDARDS FOR ADDITIONAL REQUIREMENTS:
  - A. MASTER SPECIFICATION 33 3200, WASTEWATER UTILITY PUMPING STATION.
  - B. MASTER SPECIFICATION 33 0513, MANHOLES AND STRUCTURES.
  - C. MASTER SPECIFICATION 33 3000, SANITARY SEWERAGE UTILITIES.
  - D. CIVIL DRAWING ST-G30GEN-1, BOLLARD DETAIL.
  - E. CIVIL DRAWING ST-G30GEN-3, TRACER WIRE DETAIL.
3. TRACER WIRE REQUIRED IN ALL PLASTIC, DUCTILE IRON, OR CAST IRON PIPING.
4. PROVIDE BOLLARDS IF VEHICLES ARE LIKELY TO IMPACT LIFT STATION.
5. LOCATE LIFT STATION SO THAT IT IS EASILY ACCESSIBLE FOR MAINTENANCE BY SERVICE VEHICLE.
6. SELECT PUMPS TO OPERATE WITHIN THE CAPACITY RANGE RECOMMENDED BY THE MANUFACTURER.
7. IT IS PREFERRED TO SELECT A PUMP THAT HAS A STEEP SLOPING CURVE.
8. LOCATE LIFT STATION ON SOUTH SIDE OF BUILDING (IF POSSIBLE).
9. LOCATION OF ELECTRICAL CONTROL PANEL AND CONCRETE PAD SHALL BE DETERMINED BY FIELD CONDITIONS. COORDINATE LOCATION WITH THE LANL UTILITY GROUP WASTEWATER REPRESENTATIVE.

**ELECTRICAL DETAIL**  
SCALE: NONE



**TRANSDUCER MOUNTING DETAIL**  
SCALE: NONE

DRAWING DEVELOPED FOR ML-3/ML-4 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE).

NO	DATE	CLASS	REV	ADC	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP
5	10-1-07	U	DY		REVISED FROM "PVC" TO "CPVC" AND ADDED NOTE 2C FOR DESIGNER "MASTER SPECIFICATION 33 3000".	RP	MS	MS	MS	TO
4	1-27-05	U	DY		REVISED TITLEBLOCK REVISION DATA, AND ADTS - ENGINEERING LOGO.	RP	EH	RT	EH	TO
3	8-16-04	U			REVISED TITLE.	RP	EH	MS	EH	TO
2	8-26-03	U			REVISED NOTE 2 AND ADDED TRANSDUCER DETAIL. DWG WAS NO. WAS ST3710.	RP	EH	MS	EH	TO
1	6-5-02	U			DRAWING REVISED AND TRANSFERRED TO CIVIL CHAPTER. DWG No. WAS ST6010, CHAPTER 6.	RP	EH	MT	EH	TO

**ENGINEERING STANDARDS PROGRAM**

**ENGINEERING STANDARDS MANUAL**

EXTERIOR SEWAGE LIFT STATION  
NOTES AND ELECTRICAL DETAIL

BLDG X SUBMITTED TA-X  
DISCIPLINE POC: GURINDER GREWAL APPROVED FOR RELEASE  
STANDARDS MANGER: TOBIN ORUCH

DATE: 6-28-99

REVIEWER: TOBIN ORUCH

PROJECT ID: CHAPTER 3 DRAWING NO: ST-G3020-2

REVISION: 5

SHEET 4 OF 4