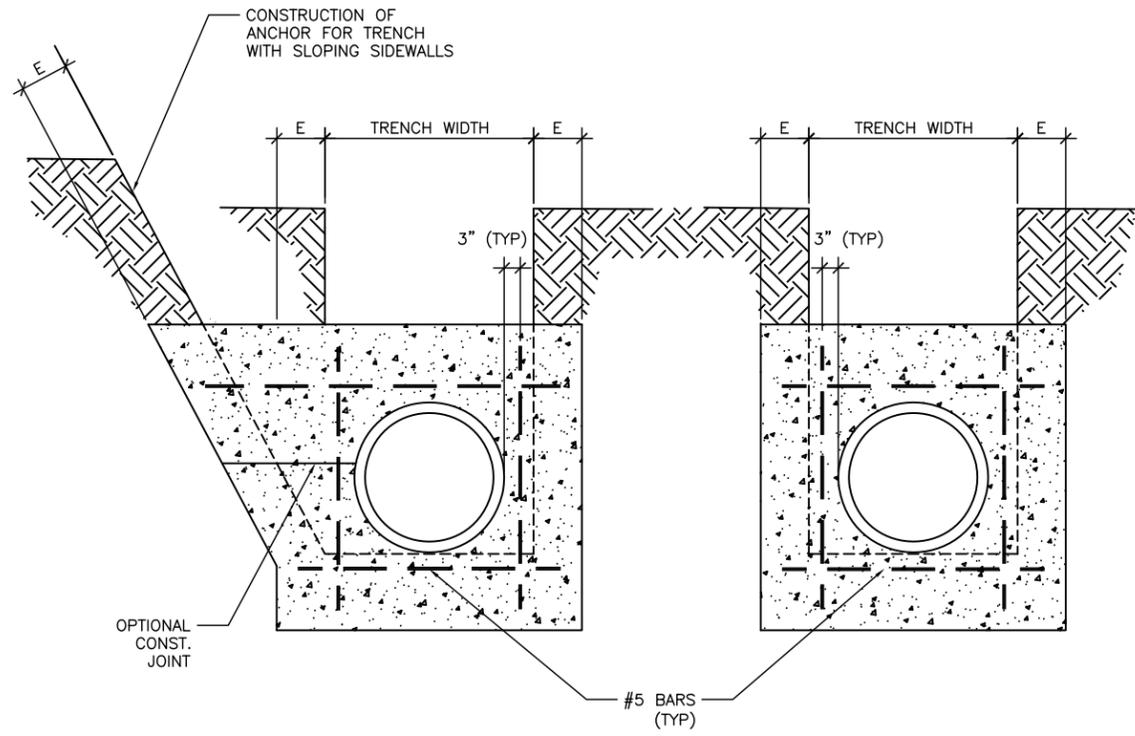
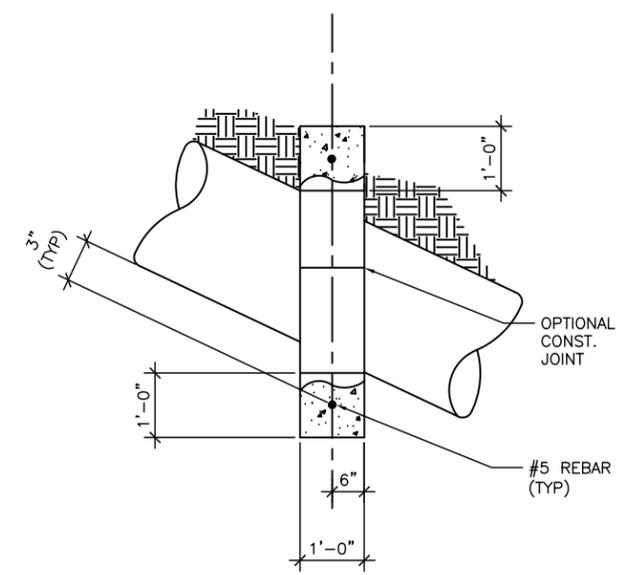


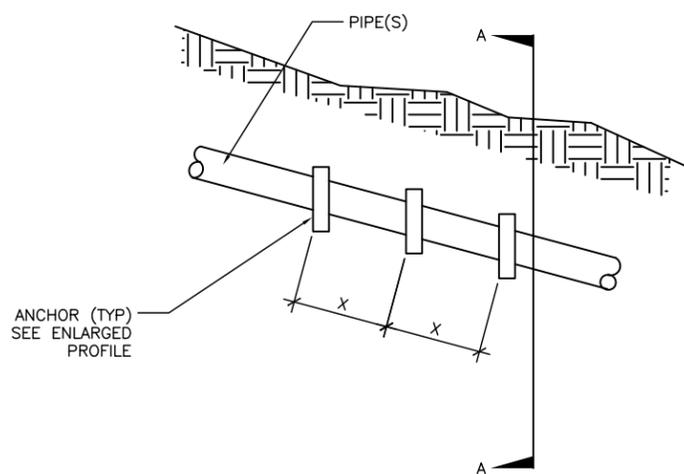
PIPE SLOPE	"X" DISTANCE BETWEEN ANCHORS
1:1 TO 1.5:1	12'
1.5:1 TO 2:1	14'
2:1 TO 2.5:1	16'
2.5:1 TO 3:1	18'
3:1	20'



SECTION A-A



ENLARGED PROFILE



PROFILE

GENERAL NOTES:

1. PIPE ANCHORS REQUIRED ON ALL SLOPES OF 3:1 AND STEEPER.
2. MINIMUM 3" COVER FOR ALL REINFORCING.
3. "E"=8 INCHES UNLESS OTHERWISE NOTED.
4. CONCRETE f'c=3000 PSI (MINIMUM).
5. POUR CONCRETE AGAINST UNDISTURBED EARTH, EXCEPT WHERE FORMED; IF FORMS CREATE VOID, BACKFILL TO 90% MAX. DENSITY.
6. BACKFILL TRENCH TO 90% MAX. DENSITY TO PREVENT TRENCH EROSION.

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).

**SLOPING PIPE ANCHOR DETAIL**  
SCALE: NONE

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

1. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE ESM CIVIL POC.

NO	DATE	CLASS REV	DC	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP
3	1-28-14	U		GENERAL REVISION	KT	MS	JG	RT	TO
2	8-9-06	U	DY	DETAIL CLARIFIED. (EDITORIAL CHANGES)	RP	EH	MS	EH	TO
1	8-23-02	U		GENERAL REVISION AND DWG. NO. WAS ST3664.	RP	EH	MS	EH	TO

**ENGINEERING STANDARDS PROGRAM**

ENGINEERING STANDARDS MANUAL

SLOPING PIPE ANCHOR DETAIL

TA-XX BLDG XXX

DATE 6-28-99

DRAWN R.PEARSON  
DESIGN E.HOTH  
CHECKED M.SMITHOUR

Los Alamos NATIONAL LABORATORY  
PO Box 1663  
Los Alamos, New Mexico 87545

1 OF 1

D.C.: UNCLASSIFIED REVIEWER: LARRY BAYS BASIS: BASIS DATE:  
PROJECT ID DRAWING NO ESR NO.:  
**CHAPTER 3ST-G3010-5 ESR # 3**