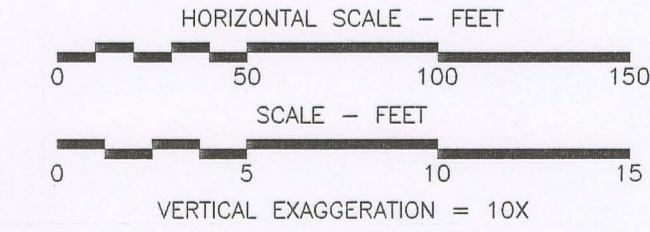


GROUNDWATER COLLECTION TRENCH PROFILE STA. 15+70.00 - 30+98.71



- PIPING SYSTEM
- - - TOP OF BEDROCK
- . - . RECORDED HIGH WATER LEVEL
- LIMIT OF AGGREGATE BACKFILL (AASHTO NO. 57)
- - - - - LIMIT OF GENERAL FILL, BASE OF TOPSOIL PLACEMENT
- /// ROCK EXCAVATION
- APPROXIMATE LIMIT OF SAND ZONE (SEE NOTE 7)
- - - - - BASE OF EXCAVATION
- /// APPROXIMATE LIMITS OF ABOVE ACTION LEVEL SOILS ALONG TRENCH LINE

- NOTES:
1. EXCAVATION MATERIALS SHOWN ARE PRESENTED BASED ON AVAILABLE SITE INFORMATION. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED AND HAS NOT BEEN VERIFIED. THE CONTRACTOR WAS RESPONSIBLE FOR VERIFICATION OF ALL SUBSURFACE INFORMATION. Δ
 2. ADDITIONAL DETAILS ARE PROVIDED ON DRAWINGS CD-6 AND CD-7.
 3. THE CONTRACTOR PROVIDE ADEQUATE TRENCH SUPPORT SYSTEMS FOR ALL EXCAVATIONS. SUPPORTS SYSTEMS WERE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO IMPLEMENTATION. Δ
 4. THE CONTRACTOR MAINTAINED DEWATERING SYSTEMS TO FACILITATE THE WORK. Δ
 5. THE CONTRACTOR BACKFILLED WITH SUITABLE MATERIALS TO THE GRADES SHOWN ABOVE AND IN ACCORDANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS. Δ
 6. STRUCTURES SHOWN ARE NOT TO SCALE. ENLARGEMENT HAS BEEN PROVIDED TO SHOW DETAIL.
 7. PORTIONS OF SAND ZONE MAY BE FLOWABLE. THE CONTRACTOR TOOK APPROPRIATE PRECAUTIONS TO STABILIZE THE SAND ZONE. Δ
 8. REFER TO "EXISTING CONDITIONS INFORMATION SUPPLEMENT" INCLUDED IN THE CONTRACT DOCUMENTS UNDER SEPARATE COVER FOR EXISTING SUBSURFACE INFORMATION.
 9. POSITIVE DRAINAGE ALONG THE ROCK SURFACE WAS PROVIDED BY THE NATURAL SLOPE OF THE ROCK EXCEPT IN AREAS WHERE ROCK EXCAVATION WAS REQUIRED. Δ
 10. THE CONTRACTOR PERFORMED ALL EARTHWORK ACTIVITIES IN ACCORDANCE WITH THE OWNER'S RADIATION SAFETY PROGRAM AND UNDER THE DIRECTION OF THE RADIATION MATERIALS EXCAVATION OFFICER.

- DISCLAIMER
 INFORMATION PROVIDED ON THIS DRAWING WAS DEVELOPED BY THE ENGINEER FOR THE SOLE PURPOSE OF DESIGN. NO GUARANTEE IS PROVIDED OR IMPLIED AS TO THE VALIDITY OF THIS INFORMATION.
- REFERENCES
1. SURFACE TOPOGRAPHY WAS DIGITIZED FROM A TOPOGRAPHIC MAP PREPARED BY GENE F. MOODY & ASSOCIATES, INC. TULSA, OKLAHOMA, DATED SEPTEMBER 16, 1987.
 2. BORINGS AND MONITORING WELL LOCATIONS WERE SURVEYED BY NEWELL-MALLOY & ASSOCIATES, 1993.
 3. TRENCH LINE SURFACE PROFILE WAS SURVEYED BY NEWELL-MALLOY & ASSOCIATES, NOVEMBER 1997. EFFECTIVE DATE MARCH 4, 1991.
 4. FEMA FLOOD INSURANCE RATE MAP, MUSKOGEE COUNTY, OKLAHOMA AND INCORPORATED AREAS, PANEL 64 OF 350, MAP NO. 40101C0064D, EFFECTIVE DATE MARCH 4, 1991.
 5. LOCATIONS AND ELEVATIONS OF AS-BUILT FEATURES WERE SURVEYED BY THREE RIVERS SURVEYING, INC., 1999.

REVISION	DATE	DESCRIPTION
Δ	11/18/99	AS-BUILT
CD-5		
TRENCH PROFILE STA. 15+70.00 - 30+98.71 Δ		
EXCAVATION AND ON-SITE MANAGEMENT OF RADIOLOGICALLY AFFECTED SOILS AND GROUNDWATER COLLECTION TRENCH CONTRACT DRAWING PACKAGE MUSKOGEE, OKLAHOMA		
PREPARED FOR FANSTEEL INC. MUSKOGEE, OKLAHOMA D-05		
APPROVED	<i>[Signature]</i>	
CHECKED	EM 12/14/99	
DRAWN	WJA/29JAN1998	
DRAWING NUMBER		
3789510		Earth Sciences Consultants, Inc.