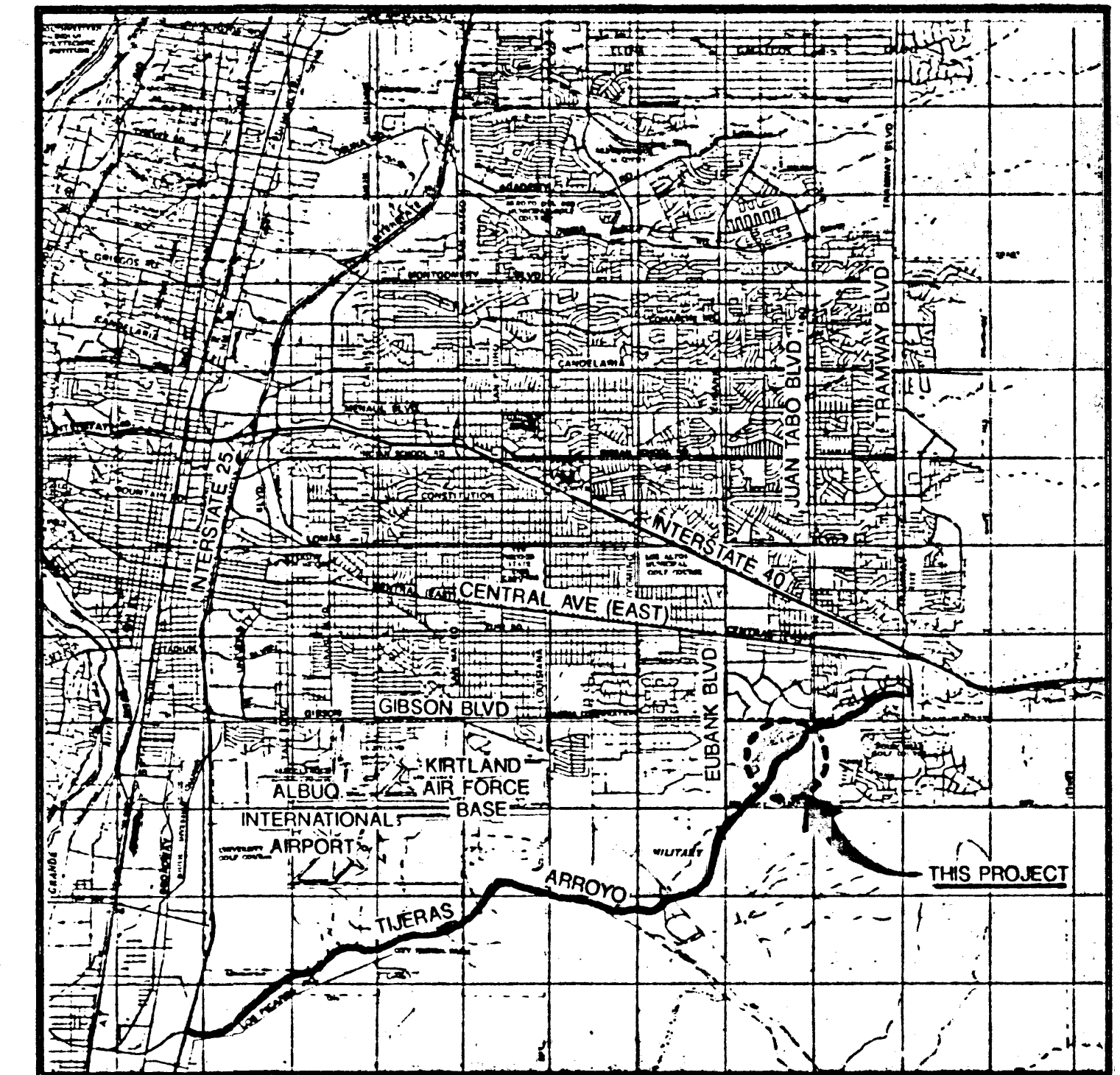
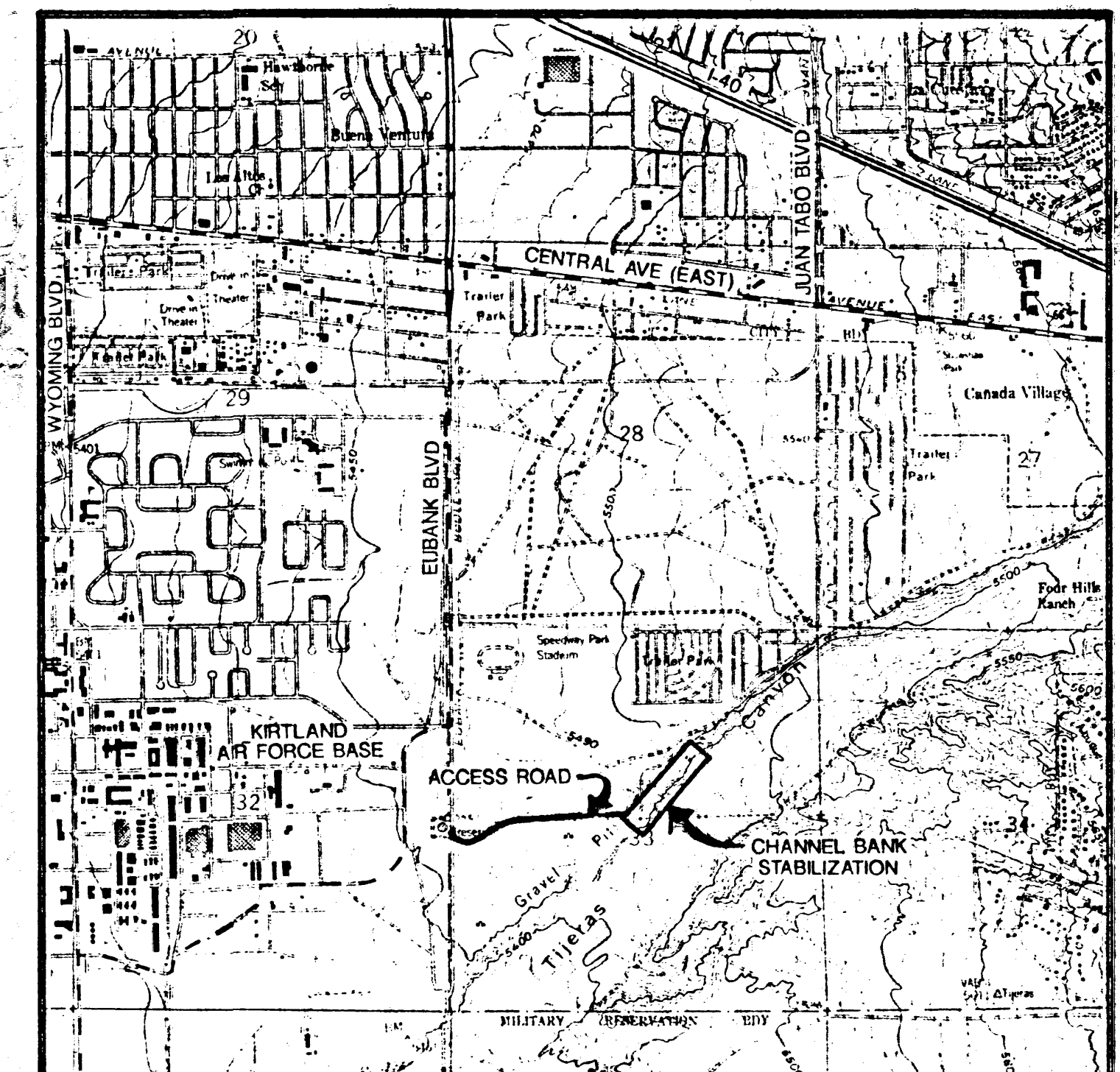


# CONSTRUCTION DRAWINGS FOR COMMISSIONER OF PUBLIC LANDS FOR THE STATE OF NEW MEXICO TIJERAS ARROYO BANK STABILIZATION AT SOUTH EUBANK LANDFILL ALBUQUERQUE, NEW MEXICO JANUARY 1994



**VICINITY MAP**

NOT TO SCALE



**LOCATION MAP**

NOT TO SCALE

## INDEX OF DRAWINGS

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NOT FOR CONSTRUCTION OR RECORDING

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FOR 95% REVIEW ONLY 1/18/94

1/93043.11CD1/CNE/01-18-94/MDJ

Bob Gueve/  
Dan Horan



LEGEND

PROPOSED	EXISTING	DESCRIPTION
NA		SANITARY SEWER MANHOLE
NA	---SAS---	SANITARY SEWER LINE
NA	---E---	OVERHEAD ELECTRICAL LINE
		SIDE SLOPE
NA		POWER POLE
NA		BLOCK WALL
NA		CHAINLINK FENCE
		SPOT ELEVATION
NA	—ROW—	RIGHT OF WAY LINES
NA	—	PROPERTY LINE
NA	---	SUBDIVISION BOUNDARY
NA	---	PRIVATE EASEMENT LINE
---	NA	BACK OF TOP OF WALL
---	---	TOP OF SLOPE
---	---	TOE OF SLOPE
	• • • • •	TOE OF RUBBLE
	NA	SOIL-CEMENT
	NA	GRAVEL MULCH AND VEGETATION
	NA	FILL
	NA	BACKFILL
	NA	REFUSE

ABBREVIATIONS

BW	BOTTOM OF WALL
BRG	BEARING
COA	CITY OF ALBUQUERQUE
CL	CLEAR
CONC	CONCRETE
CONT	CONTINUOUS
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
EA	EACH
EF	EACH FACE
ES	EACH SIDE
EW	EACH WAY
EL/ELEV	ELEVATION
FG	FINISH GRADE
FL	FLANGE
FTG	FOOTING
GB	SIDESLOPE GRADE BREAK
HORIZ	HORIZONTAL
IF	INSIDE FACE
INV	INVERT
LBS	POUNDS
LT	LEFT
LW	LOWER WALL
MIN	MINIMUM
MFGR	MANUFACTURER
NMAPWA	NEW MEXICO CHAPTER OF AMERICAN PUBLIC WORKS ASSOCIATION
NMSSPWC	NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	OUTSIDE FACE
OPP	OPPOSITE
OF	OUTSIDE FACE
PI	POINT OF INTERSECTION
PC	POINT OF CURVE
PT	POINT OF TANGENT
REQ'D	REQUIRED
RT	RIGHT
REINF	REINFORCING
SC	SOIL-CEMENT
SHT	SHEET
SQ	SQUARE
STA	STATION
STD	STANDARD
SVY	SURVEY
TYP	TYPICAL
TW	TOP OF WALL
T&B	TOP AND BOTTOM
UNO	UNLESS NOTED OTHERWISE
UW	UPPER WALL
VAR	VARIES
VERT	VERTICAL

GENERAL NOTES

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1987 EDITION (NMSS PWC-1987) PUBLISHED BY THE NEW MEXICO CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION (NMAPWA) (REFERRED TO HEREINAFTER AS THE STANDARD SPECIFICATIONS) AND THE PROJECT SPECIFICATIONS TITLED "TIJERAS ARROYO BANK STABILIZATION AT SOUTH EUBANK LANDFILL".
- THE CONTRACTOR SHALL PROVIDE SUFFICIENT WORKERS AND EQUIPMENT ON THE JOB AT ALL TIMES DURING CONSTRUCTION TO COMPLY WITH SPECIFICATIONS AND TO COMPLETE WORK ON SCHEDULE.
- CONSTRUCTION OBSERVATION IS TO BE DONE BY THE NM STATE LAND OFFICE DESIGNATED REPRESENTATIVE, HEREIN AFTER REFERRED TO AS THE ENGINEER.
- CONTRACTOR TO NOTIFY ENGINEER 2 WEEKS (2 CALENDAR WEEKS) IN ADVANCE OF CONSTRUCTION TO SCHEDULE CONSTRUCTION OBSERVATION.
- CONTRACTOR TO PROVIDE LICENSED NM SURVEYING SERVICES TO PERFORM CONSTRUCTION STAKING AND RELATED PROJECT SURVEYING, SEE SUPPLEMENTAL TECHNICAL SPECIFICATIONS SECTION 180.
- THE BORROW SOURCE OF SOIL AGGREGATE FOR SOIL-CEMENT CONSTRUCTION HAS BEEN DESIGNATED AND THE LOCATION IS IDENTIFIED ON SHEET C3. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING THE MIX DESIGN IN ACCORDANCE WITH SUPPLEMENTAL TECHNICAL SPECIFICATION SECTION 624. EXCAVATION FROM BORROW SOURCE SHALL BE OBTAINED PROPORTIONALLY OVER THE ENTIRE DESIGNATED AREA. UPON COMPLETION OF BORROW OPERATIONS, SHAPE AREA, GRADE SURFACE AND SEED WITH GRAVEL MULCH AS DIRECTED BY ENGINEER.
- CONTRACTOR SHALL NOTIFY "NEW MEXICO ONE CALL SYSTEM", 260-1990, AT LEAST 48 HOURS PRIOR TO CONSTRUCTION, FOR LOCATION OF EXISTING UTILITIES.
- CONTRACTOR SHALL NOTIFY BLAKE FOGES, PH. 848-2973, OF PNM AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION, TO SCHEDULE CONSTRUCTION OBSERVATION.
- NEW MEXICO ENVIRONMENT DEPARTMENT AND BERNALILLO COUNTY ENVIRONMENTAL HEALTH SAFETY REQUIREMENTS WILL APPLY WHEN MORE STRINGENT THAN THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AT HIS OWN EXPENSE SUCH PERMITS AS ARE REQUIRED FROM THE APPROPRIATE AGENCIES.
- WORK PERFORMED WITHOUT THE APPROVAL OF THE ENGINEER AND/OR ALL WORK AND MATERIALS NOT IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL KEEP SUITABLE EQUIPMENT ON HAND AT THE JOB SITE FOR MAINTENANCE OF DUST CONTROL, AND SHALL CONTROL DUST AS REQUIRED BY THE APPROPRIATE AGENCIES AND AS DIRECTED BY BERNALILLO COUNTY ENVIRONMENTAL HEALTH.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ANY OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED.
- THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVING, UTILITY OR OTHER EXISTING FACILITY DURING CONSTRUCTION, APART FROM THOSE AREAS DESIGNATED FOR REMOVAL AND DISPOSAL ON THE PLANS, AND SHALL REPAIR OR REPLACE SAME AT HIS OWN EXPENSE.
- CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THE AREA OF CONSTRUCTION DEFINED BY THE PLANS OR AS APPROVED BY THE ENGINEER, TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. NO RANDOM VEHICULAR ACCESS WILL BE ALLOWED OUTSIDE OF THESE LIMITS. ANY DAMAGE TO AREAS OUTSIDE OF THE CONSTRUCTION LIMITS SHALL BE REPAIRED BY GRADING AND SEEDING IN ACCORDANCE WITH SUPPLEMENTAL TECHNICAL SPECIFICATION SECTION 1012 AND RETURNED TO PRE-EXISTING CONDITIONS AT THE CONTRACTOR'S EXPENSE.
- ACCESS CONTROL ALONG TEMPORARY EASEMENTS ONTO THE CONSTRUCTION SITE SHALL BE MAINTAINED BY THE CONTRACTOR. REFER TO THE SUPPLEMENTAL TECHNICAL SPECIFICATIONS, SECTION 203.1.4 AND 203.1.5.
- ALL SURVEY CONTROL POINTS AND R.O.W./BOUNDARY MONUMENTS WILL BE DEFINED AND SHALL BE FURTHER MARKED AND PROTECTED BY THE CONTRACTOR DURING THE ENTIRE PROSECUTION OF THE WORK. ANY CONTROL POINTS OR MONUMENTS WHICH MAY BE DISTURBED OR DESTROYED DURING CONSTRUCTION SHALL BE REFERENCED BY A NEW MEXICO LICENSED SURVEYOR PRIOR TO BEING DISTURBED, AND SHALL BE REPLACED BY SAID SURVEYOR AT THE CONTRACTOR'S EXPENSE UNLESS OTHERWISE SHOWN ON THE PLANS. IN THE EVENT CONTROL POINTS OR MONUMENTS MUST BE ADJUSTED OR MOVED TO ACCOMMODATE THE CONTRACTOR'S WORK AS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER, THEY WILL BE MOVED AT THE OWNER'S EXPENSE.
- FIELD COORDINATION AND CAUTION DURING WORK NEAR EXISTING SANITARY SEWER, POWER POLES, AND OTHER UNDERGROUND OR OVERHEAD UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR. REPAIR OF ANY DAMAGE TO EXISTING UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR. REVISION OR REROUTING OF UTILITIES DUE TO IMPROPER SEQUENCE OF INSTALLATION OR LACK OF FIELD COORDINATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THERE ARE EXISTING 115KV AND 69KV POWERLINES LOCATED NEAR THE SOUTHERN LIMITS OF CONSTRUCTION. CONTRACTOR SHOULD TAKE APPROPRIATE SAFETY PRECAUTIONS WHEN OPERATING NEAR THESE FACILITIES. A MINIMUM OF 15 FEET CLEARANCE SHOULD BE MAINTAINED BETWEEN CONSTRUCTION EQUIPMENT AND VEHICLES AND ENERGIZED PNM POWER LINES. NO CONSTRUCTION SHALL OCCUR WITHIN A 10 FOOT RADIUS FROM EXISTING POWER POLES.
- IT SHALL BE THE RESPONSIBILITY OF THE BIDDER TO VERIFY ALL QUANTITIES INCLUDING EXCAVATION, BORROW, EMBANKMENT, SHRINK OR SWELL, GROUND COMPACTION, HAUL AND ANY OTHER ITEMS AFFECTING HIS BID TO COMPLETE THE GRADING TO THE ELEVATIONS SHOWN ON THE PLANS AND TO BASE HIS BID SOLELY UPON HIS OWN VERIFIED QUANTITIES AND TO NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION OF ANY MAJOR DISCREPANCIES.
- SOIL-CEMENT WILL NOT BE PLACED ON SUBGRADE UNTIL SUBGRADE PREPARATION REQUIREMENTS HAVE BEEN COMPLETED AND ACCEPTED.
- STATIONING IS REFERENCED TO THE BACK OF TOP OF SOIL-CEMENT SECTION.
- DEBRIS AND OTHER UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS. FOUR (4) WEEKS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT A PLAN TO NMED SOLID WASTE BUREAU FOR REVIEW AND APPROVAL FOR THE SAFE REMOVAL AND DISPOSAL OF LANDFILL REFUSE, IN ACCORDANCE WITH SUPPLEMENTAL TECHNICAL SPECIFICATION SECTION 214.
- THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. A TRAFFIC CONTROL PLAN SHALL BE PREPARED FOR CONSTRUCTION TRAFFIC ON EUBANK BLVD. BY THE CONTRACTOR AND SUBMITTED FOR APPROVAL BY THE CITY OF ALBUQUERQUE, TRAFFIC CONTROL, PRIOR TO START OF CONSTRUCTION, IF NECESSARY.
- CONTRACTOR IS TO MAINTAIN "AS-BUILT" NOTES ON PLANS DURING CONSTRUCTION.
- CONTRACTOR IS TO PROVIDE TRENCH STABILIZATION AND PROTECTION AS REQUIRED TO SATISFY SAFETY AND OSHA REQUIREMENTS. IF SHORING IS NECESSARY, THE COST SHALL BE INCIDENTAL TO THE WORK.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR MAINTAINING THE STABILITY OF THE EXISTING RUBBLE AT THE TOP OF THE SLOPE TO INSURE SAFETY DURING CONSTRUCTION. ANY MEASURES TAKEN TO STABILIZE THE RUBBLE SLOPE WILL BE AT THE CONTRACTOR'S EXPENSE. SEE SPECIAL CONDITIONS.
- REMEDIAL REPAIR AND/OR EROSION OF THE LANDFILL EMBANKMENT FROM RECENT RAINS MAY HAVE OCCURRED AFTER THE DESIGN SURVEY WAS COMPLETED. THEREFORE, EARTHWORK QUANTITIES AND CROSS SECTIONS IN THE AREA WHICH WERE EFFECTED MAY VARY FROM THOSE SHOWN IN THE PLANS AND CONTRACT DOCUMENTS. NEW CROSS SECTIONS WILL BE SURVEYED IMMEDIATELY PRECEDING CONSTRUCTION.
- CONTRACTOR SHALL NOT EXCAVATE OR PLACE FILL MATERIAL IN EXISTING "ACTIVE CHANNEL" BEYOND THE LIMITS SHOWN ON THE DRAWINGS, UNLESS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEVELOPMENT OF A STORMWATER POLLUTION PREVENTATION PLAN THROUGH INCORPORATION OF DETAILS SHOWN ON SHEET C11 AND SHALL SUBMIT A NOTICE OF INTENT TO THE EPA 2 WEEKS PRIOR TO CONSTRUCTION. SEE SUPPLEMENTAL TECHNICAL SPECIFICATIONS, SECTION 2120.
- A CONTRACT ALLOWANCE ITEM WILL BE PROVIDED TO ENCUMBER FUNDS TO COVER THE COSTS OF POSSIBLE CHANGE ORDER WORK NECESSARY FOR UNFORSEEN ITEMS. THE ALLOWANCE SHALL ONLY BE UTILIZED FOR APPROVED CONTRACT CHANGE ORDERS AS DESCRIBED IN THE SPECIAL CONDITIONS.
- CONTRACTOR SHALL ARRANGE FOR ITS OWN QUALITY CONTROL TESTING. PAYMENT WILL BE MADE ONLY FOR TESTS ORDERED BY THE ENGINEER. SEE SUPPLEMENTAL TECHNICAL SPECIFICATION, SECTION 185.

SYMBOLS

L	ANGLE
C	CENTERLINE
AT	AT
Ø	DIAMETER
AND	AND
#	POUNDS
○	BORING
●	POTHOLE

- PLAN/ELEVATION/DETAIL REFERENCE NUMBERS
- SHEET WHERE PLAN/ELEVATION/DETAIL IS LOCATED
- SHEET WHERE REFERENCE IS LOCATED

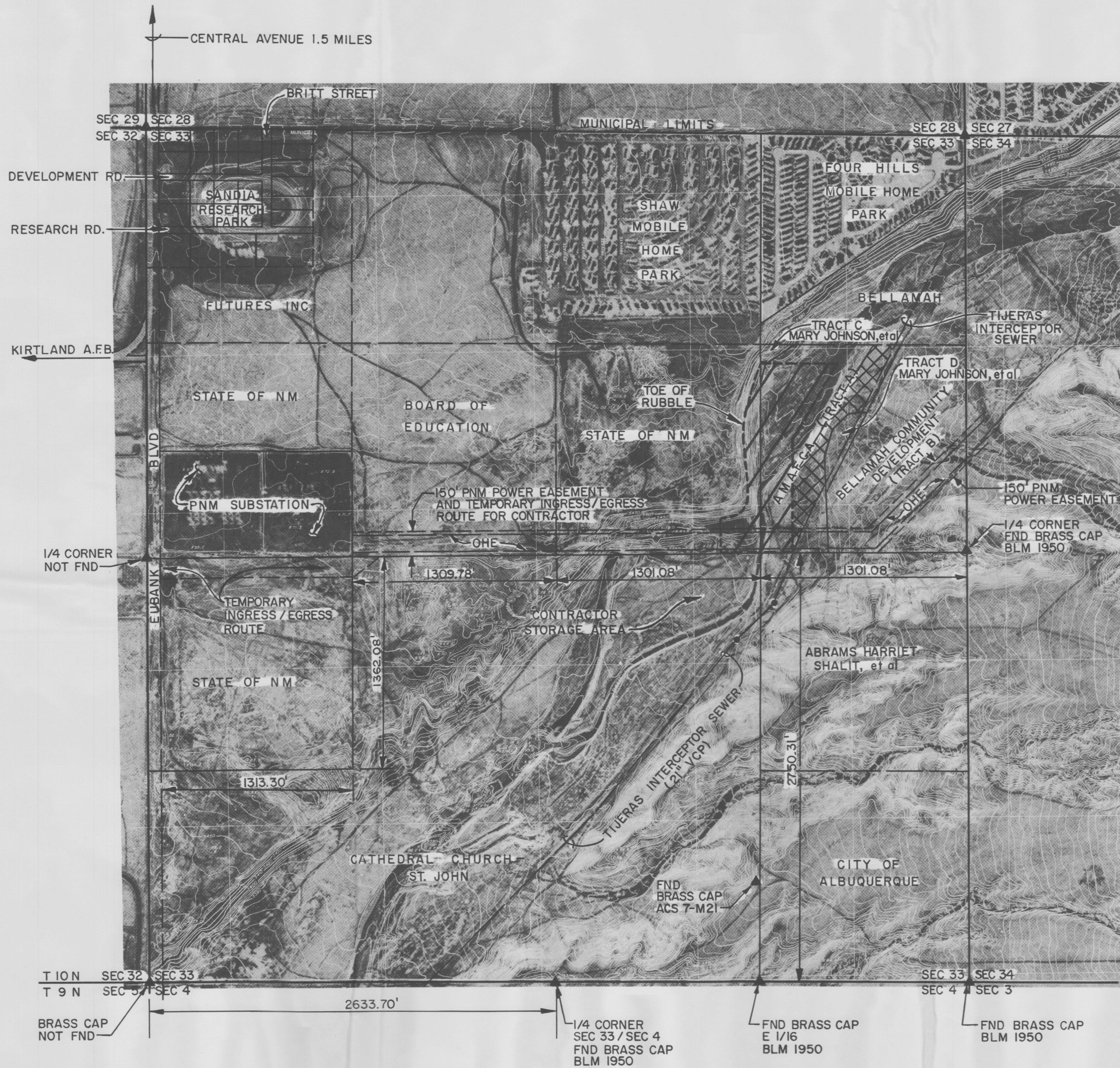
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1/93043.11CD1/LEGEND/01-17-94/MDJ	
REVISION	DATE DESCRIPTION
COMMISSIONER OF PUBLIC LANDS FOR THE STATE OF NEW MEXICO	
TIJERAS ARROYO BANK STABILIZATION AT SOUTH EUBANK LANDFILL	
LEGEND, ABBREVIATION AND GENERAL NOTES	
LEEDSHILL - HERKENHOFF, INC. ENGINEERS ARCHITECTS	
ALBUQUERQUE	SANTA FE SAN DIEGO
LH PROJECT MANAGER	SHEET
C2 OF C11	
QA RELEASE	—
DESIGN BY	DD
CHECKED BY	RAS
DRAWN BY	MDJ
SCALE	NONE
DATE	—
SEQUENCE NO.	—

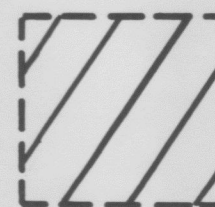


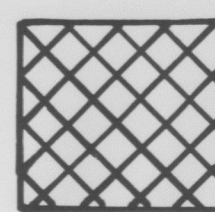


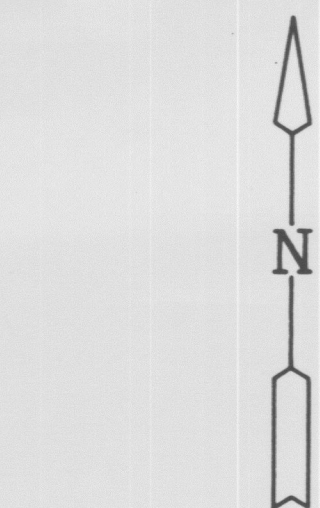
NOTES

- A THE CONTRACTOR IS ADVISED TO USE EXTREME CAUTION WHEN OPERATING IN THE VICINITY OF PNM'S OVERHEAD ELECTRIC LINES AND POWER LINES.
- B TRACT A (AMAFCA) PROPERTY IS PREFERRED CENTRAL PLANT LOCATION TO MIX SOIL-CEMENT.
- C CONTRACTOR MAY GRADE AND MAINTAIN (BUT SHALL NOT PLACE FILL MATERIAL) IN ACCESS ROAD (AS NOTED) AS NECESSARY TO PROVIDE INGRESS/EGRESS ROUTE FOR EQUIPMENT.
- D CLEARING AND GRUBBING AND NATIVE GRASS SEEDING PAY ITEMS WILL BE LIMITED TO THE AREAS SHOWN FOR CONSTRUCTION ACTIVITY AND SOIL AGGREGATE BORROW SITES, UNLESS OTHERWISE APPROVED BY THE ENGINEER. GRAVEL MULCH SHALL BE USED ON ALL AREAS REQUIRING NATIVE GRASS SEEDING.



LEGEND

-  APPROXIMATE LIMITS OF CONSTRUCTION ACTIVITY
-  SECTION CORNER OR QUARTER CORNER
-  OHE OVERHEAD ELECTRIC LINES (EXISTING)
-  DESIGNATED BORROW SITE FOR SOIL AGGREGATE IN SOIL-CEMENT MIX



0 200' 400' 800' 1200'  
1" = 400'-0"

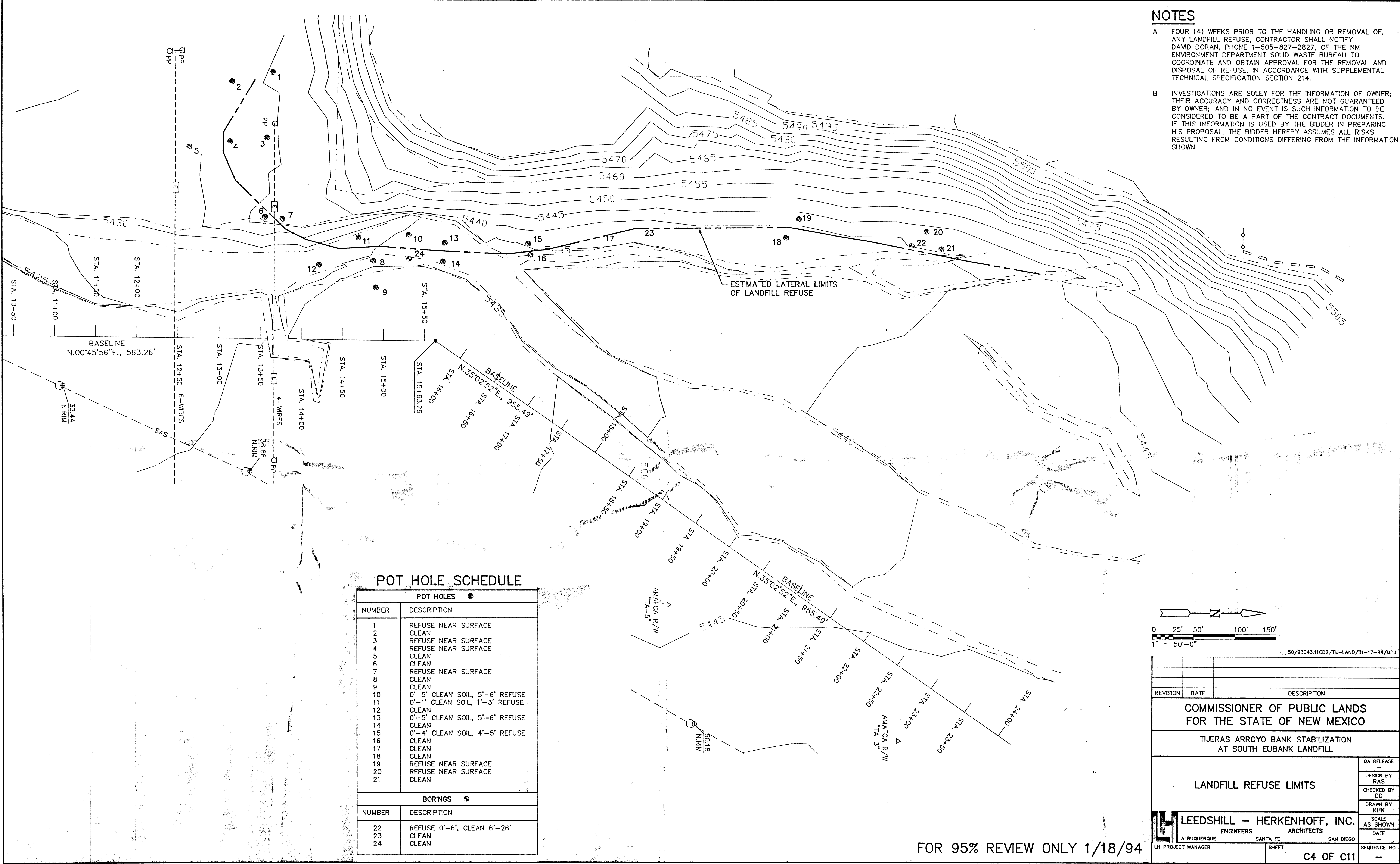
REVISION			DATE	DESCRIPTION
COMMISSIONER OF PUBLIC LANDS FOR THE STATE OF NEW MEXICO				
TIJERAS ARROYO BANK STABILIZATION AT SOUTH EUBANK LANDFILL				
CONSTRUCTION ACTIVITY LIMITS				QA RELEASE —
LEEDSHILL — HERKENHOFF, INC. ENGINEERS ARCHITECTS ALBUQUERQUE SANTA FE SAN DIEGO				DESIGN BY DD
				CHECKED BY JDM
LH PROJECT MANAGER SHEET				DRAWN BY JDM
				SCALE 1" = 400'
C3 OF C11				DATE
				SEQUENCE NO. —

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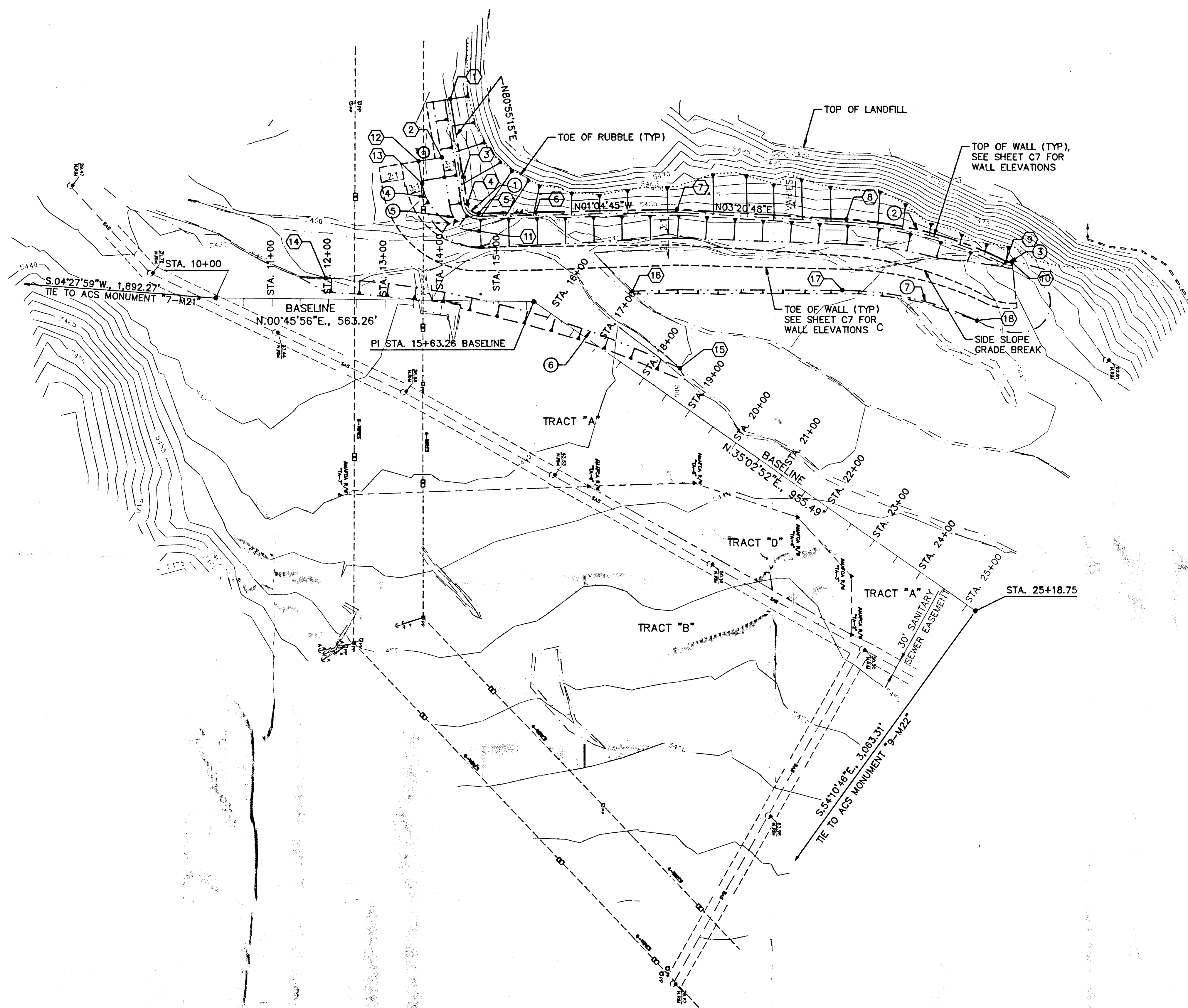


NOTES

- A FOUR (4) WEEKS PRIOR TO THE HANDLING OR REMOVAL OF, ANY LANDFILL REFUSE, CONTRACTOR SHALL NOTIFY DAVID DORAN, PHONE 1-505-827-2827, OF THE NM ENVIRONMENT DEPARTMENT SOLID WASTE BUREAU TO COORDINATE AND OBTAIN APPROVAL FOR THE REMOVAL AND DISPOSAL OF REFUSE, IN ACCORDANCE WITH SUPPLEMENTAL TECHNICAL SPECIFICATION SECTION 214.
- B INVESTIGATIONS ARE SOLEY FOR THE INFORMATION OF OWNER; THEIR ACCURACY AND CORRECTNESS ARE NOT GUARANTEED BY OWNER; AND IN NO EVENT IS SUCH INFORMATION TO BE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. IF THIS INFORMATION IS USED BY THE BIDDER IN PREPARING HIS PROPOSAL, THE BIDDER HEREBY ASSUMES ALL RISKS RESULTING FROM CONDITIONS DIFFERING FROM THE INFORMATION SHOWN.







## NOTES

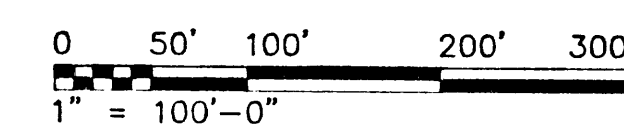
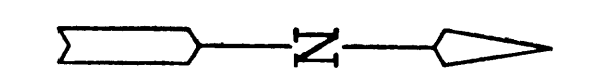
- A BEARINGS SHOWN ARE NEW MEXICO STATE PLANE GRID BEARINGS (CENTRAL ZONE).
- B DISTANCES ARE GROUND DISTANCES.
- C COORDINATES ARE PROJECT (GROUND) COORDINATES BASED ON MEXICO STATE PLANE COORDINATE SYSTEM (CENTRAL ZONE). USE GROUND TO GRID FACTOR 0.99964447 TO OBTAIN GRID COORDINATES.
- D THE NEW BASIS OF COORDINATES ARE CITY OF ALBUQUERQUE CONTROL STATIONS:  
 "7-M21" N = 1,471,620.84 (GRID)  
 E = 419,391.97 (GRID)  
 "9-M22" N = 1,473,059.50 (GRID)  
 E = 422,578.32 (GRID)
- E BASIS OF ELEVATIONS IS ACS CONTROL STATION "9-M22".  
 ELEVATION = 5582.954

## POINT DATA

PNT. WALL BACK NO. STATIONS	BEGINNING AND OFFSETS	STATIONS
1	14+00.00	14+11.37, 357.75'LT BEGIN UPPER WALL
2	2+00.00, 73.16'RT	13+97.63, 253.87'LT BEGIN LOWER WALL
3	2+40.00	14+35.31, 219.81'LT LOWER WALL PC
4	PC 2+48.23	14+43.55, 172.29'LT UPPER WALL PC
5	PT 3+16.85	14+63.90, 155.72'LT UPPER AND LOWER PT
6	4+18.03	15+63.26, 158.91'LT CONTROL STATION +1.77' AHD ON TAN
7	PI 6+67.98	16+77.06, 279.72'LT PI-CONTROL STA
8	PC 9+68.08	19+32.38, 437.42'LT PC-CONTROL STA
9	PRC 12+63.25	22+07.44, 539.02'LT PRC-CONTROL STA
10	PT 12+74.42	22+17.44, 543.66'LT END WALL
11	2+88.23, 31.30'RT	14+64.91, 124.44'LT RADIAL PI
12	2+00.00, 73.16'RT	13+56.38, 246.71'LT BEGIN LOWER WALL
13	2+40.00, 73.22'RT	13+63.16, 207.29'LT PC-LOWER WALL
14	-	11+94.89, 37.93'LT PC EAST BANK
15	-	18+42.16, 51.77'LT PT EAST BANK
16	-	16+95.38, 115.65'LT PI EAST BANK
17	-	19+98.64, 330.13'LT PC EAST BANK
18	-	22+25.49, 423.02'LT PT EAST BANK

## CURVE DATA

CURVE NO.	Δ	R	L	T
1	82°00'00"	20.00'	28.62'	17.39'
2	22°51'16"	740.01'	295.18'	149.58'
3	32°00'00"	20.00'	11.17'	5.73'
4	82°00'00"	100.00'	143.12'	86.93'
5	82°00'00"	51.30'	73.42'	44.59'
6	21°56'41"	1700.00'	650.12'	329.08'
7	25°05'07"	564.38'	247.10'	125.56'



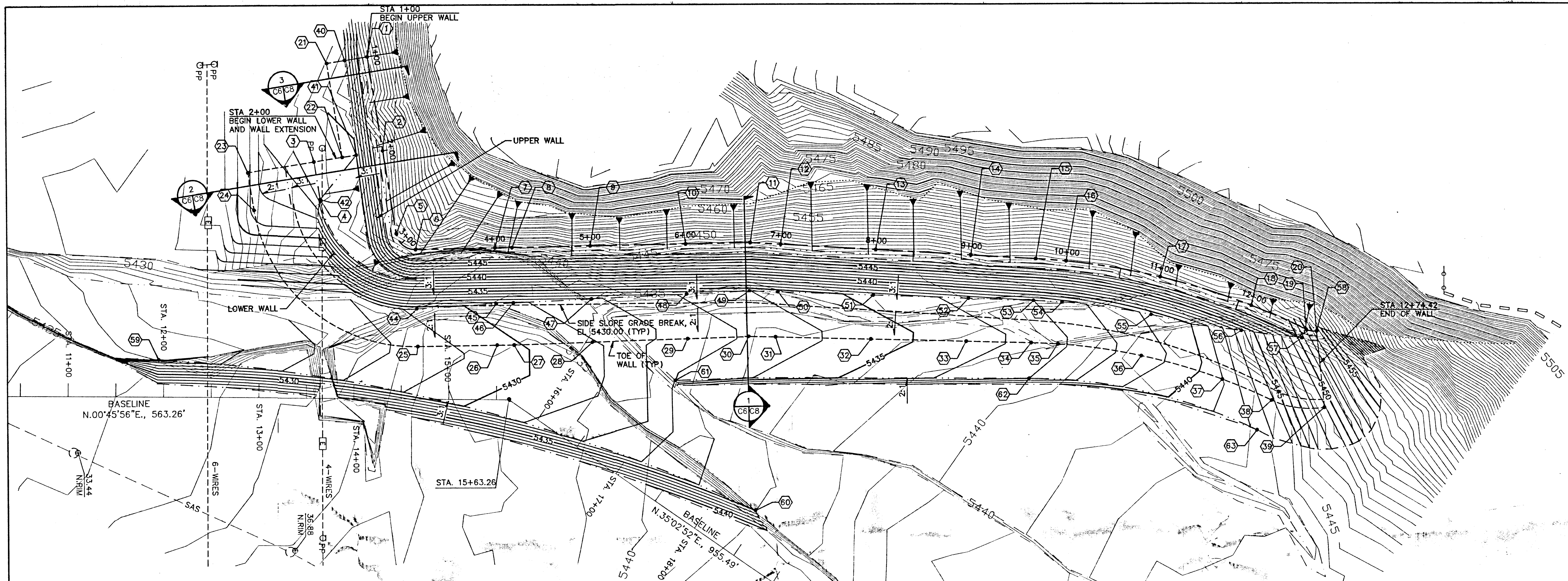
100/93043.11CD3/TJ-SRVY/01-18-94/KHK

REVISION	DATE	DESCRIPTION
COMMISSIONER OF PUBLIC LANDS FOR THE STATE OF NEW MEXICO		
TJERAS ARROYO BANK STABILIZATION AT SOUTH EUBANK LANDFILL		
SITE LAYOUT AND SURVEY CONTROL PLAN		QA RELEASE — DESIGN BY RAS CHECKED BY DD DRAWN BY KHK SCALE 1" = 100' DATE — SEQUENCE NO. —
LEEDSHILL - HERKENHOFF, INC. ENGINEERS ARCHITECTS ALBUQUERQUE SANTA FE SAN DIEGO		UH PROJECT MANAGER SHEET

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C5 OF C11





TOP OF WALL ELEVATIONS AND STATIONS BOTTOM OF WALL ELEVATIONS AND STATIONS

POINT NO.	WALL STATION	POINT DESCRIPTION	TW ELEV	BASELINE STATION, OFFSET
1	1+00.00	BEGIN UPPER WALL	5445.70 (UW)	14+11.37, 357.75'LT
2	2+00.00	EVEN STATION	5446.18 (UW)	14+28.47, 259.22'LT
3	2+00.00	BEGIN LOWER WALL AND EXTENSION	5439.50 (LW)	13+56.38, 246.71'LT
4	2+40.00	PC-LOWER WALL	5439.50 (LW)	13+63.16, 207.29'LT
5	2+88.23	PC-UPPER WALL	5446.60 (UW)	14+43.55, 172.29'LT
6	3+16.85	PT-BOTH WALLS JOIN TOGETHER	5446.60	14+63.90, 155.72'LT
7	4+00.00	EVEN STATION	5446.82	15+47.01, 158.40'LT
8	4+18.03	GB-AT BW	5446.86	15+63.27, 158.98'LT
9	5+00.00	EVEN STATION	5447.08	15+63.27, 161.62'LT
10	6+00.00	EVEN STATION	5447.34	16+22.15, 239.64'LT
11	6+67.98	ANGLE POINT	5447.52	16+77.06, 279.72'LT
12	7+00.00	EVEN STATION	5447.60	17+04.30, 296.55'LT
13	8+00.00	EVEN STATION	5447.86	17+89.38, 349.10'LT
14	9+00.00	EVEN STATION	5448.12	18+74.46, 401.65'LT
15	9+68.08	PC AND GB AT TW AND BW	5448.30	19+32.38, 437.42'LT
16	10+00.00	EVEN STATION	5448.55	19+59.89, 453.60'LT
17	11+00.00	EVEN STATION	5449.33	20+50.19, 496.40'LT
18	12+00.00	EVEN STATION	5450.11	21+45.43, 526.64'LT
19	12+63.25	PRC	5450.60	22+07.44, 539.02'LT
20	12+74.42	END OF WALL	5450.60	22+17.44, 543.66'LT

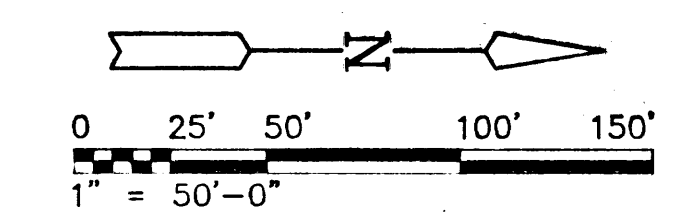
POINT NO.	WALL STATION	POINT DESCRIPTION	TW ELEV	BASELINE STATION, OFFSET
21	1+00.00	BEGIN UPPER WALL	5436.00	13+68.71, 350.35'LT
22	2+00.00	EVEN STATION	5436.00	13+85.81, 251.82'LT
23	2+00.00	BEGIN LOWER WALL	5409.00	12+86.91, 234.72'LT
24	2+40.00	PC-LOWER WALL	5409.00	12+93.70, 195.24'LT
25	3+16.85	PT-BOTH WALLS JOIN TOGETHER	5409.00	14+67.18, 53.98'LT
26	4+00.00	EVEN STATION	5409.00	15+50.30, 56.16'LT
27	4+18.03	GB-AT BW	5409.00	15+63.27, 56.63'LT
28	5+00.00	EVEN STATION	5409.98	16+01.05, 98.93'LT
29	6+00.00	EVEN STATION	5411.18	16+80.98, 159.05'LT
30	6+67.98	ANGLE POINT	5412.00	17+32.15, 197.78'LT
31	7+00.00	EVEN STATION	5412.66	17+55.64, 213.42'LT
32	8+00.00	EVEN STATION	5414.73	18+38.92, 268.89'LT
33	9+00.00	EVEN STATION	5416.80	19+22.19, 324.36'LT
34	9+68.08	PC AND GB AT TW AND BW	5418.21	19+78.88, 362.12'LT
35	10+00.00	EVEN STATION	5418.90	20+02.65, 377.19'LT
36	11+00.00	EVEN STATION	5421.07	20+81.36, 417.22'LT
37	12+00.00	EVEN STATION	5423.24	21+65.23, 445.69'LT
38	12+63.25	PRC	5424.62	22+20.14, 457.41'LT
39	12+74.42	END OF WALL	5425.75	22+70.03, 482.84'LT

FINISHED GRADE ELEVATIONS AND STATIONS

POINT NO.	WALL STATION	POINT DESCRIPTION	FG ELEV	BASELINE STATION, OFFSET
40	1+00.00	BEGIN UPPER WALL	5440.5	13+87.63, 353.63'LT
41	2+00.00	BEGIN LOWER WALL	5440.0	14+00.77, 254.41'LT
42	2+40.00	PC-LOWER WALL	5439.5	13+63.16, 207.29'LT
43	NOT USED			
44	3+16.85	PT-BOTH WALLS JOIN TOGETHER	5429.2	14+65.90, 93.64'LT
45	4+00.00	EVEN STATION	5430.5	15+48.90, 99.70'LT
46	4+18.03	GB-AT BW	5430.8	15+63.27, 101.01'LT
47	5+00.00	EVEN STATION	5431.9	15+74.18, 135.75'LT
48	6+00.00	EVEN STATION	5433.1	16+53.25, 197.03'LT

POINT NO.	WALL STATION	POINT DESCRIPTION	FG ELEV	BASELINE STATION, OFFSET
49	6+67.98	ANGLE POINT	5434.0	17+05.45, 237.50'LT
50	7+00.00	EVEN STATION	5434.3	17+30.61, 253.95'LT
51	8+00.00	EVEN STATION	5435.3	18+14.48, 308.45'LT
52	9+00.00	EVEN STATION	5436.3	18+98.35, 362.96'LT
53	9+68.08	PC AND GB AT TW AND BW	5437.0	19+55.45, 400.07'LT
54	10+00.00	EVEN STATION	5437.5	19+80.98, 415.92'LT
55	11+00.00	EVEN STATION	5439.2	20+65.09, 458.54'LT
56	12+00.00	EVEN STATION	5444.7	21+52.16, 499.10'LT
57	12+63.25	PRC	5450.8	22+08.97, 529.14'LT
58	12+74.42	END OF WALL	5453.5	22+17.44, 543.66'LT

POINT NO.	TOE OF BANK ELEV	TOP OF BANK ELEV	BASELINE STATION, OFFSET
59	5425.0	5433.2	11+94.89, 37.93'LT
60	5435.0	5441.0	18+42.16, 51.77'LT
61	5433.0	5435.6	16+95.38, 115.65'LT
62	5436.3	5436.3	19+98.64, 330.13'LT
63	5442.3	5442.3	22+25.49, 423.02'LT



50/93043.11CD1/TJ--GRAD/01-17-94/KHK

REVISION	DATE	DESCRIPTION

COMMISSIONER OF PUBLIC LANDS  
FOR THE STATE OF NEW MEXICO

TIJERAS ARROYO BANK STABILIZATION  
AT SOUTH EUBANK LANDFILL

SITE GRADING PLAN

LEEDSHILL - HERKENHOFF, INC.  
ALBUQUERQUE ENGINEERS SANTA FE ARCHITECTS SAN DIEGO

QA RELEASE  
DESIGN BY RAS  
CHECKED BY DD  
DRAWN BY KHK  
SCALE 1" = 50'  
DATE  
SEQUENCE NO.

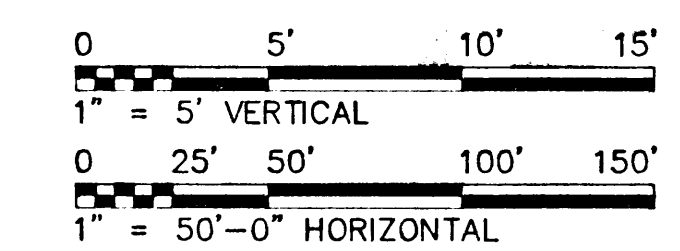
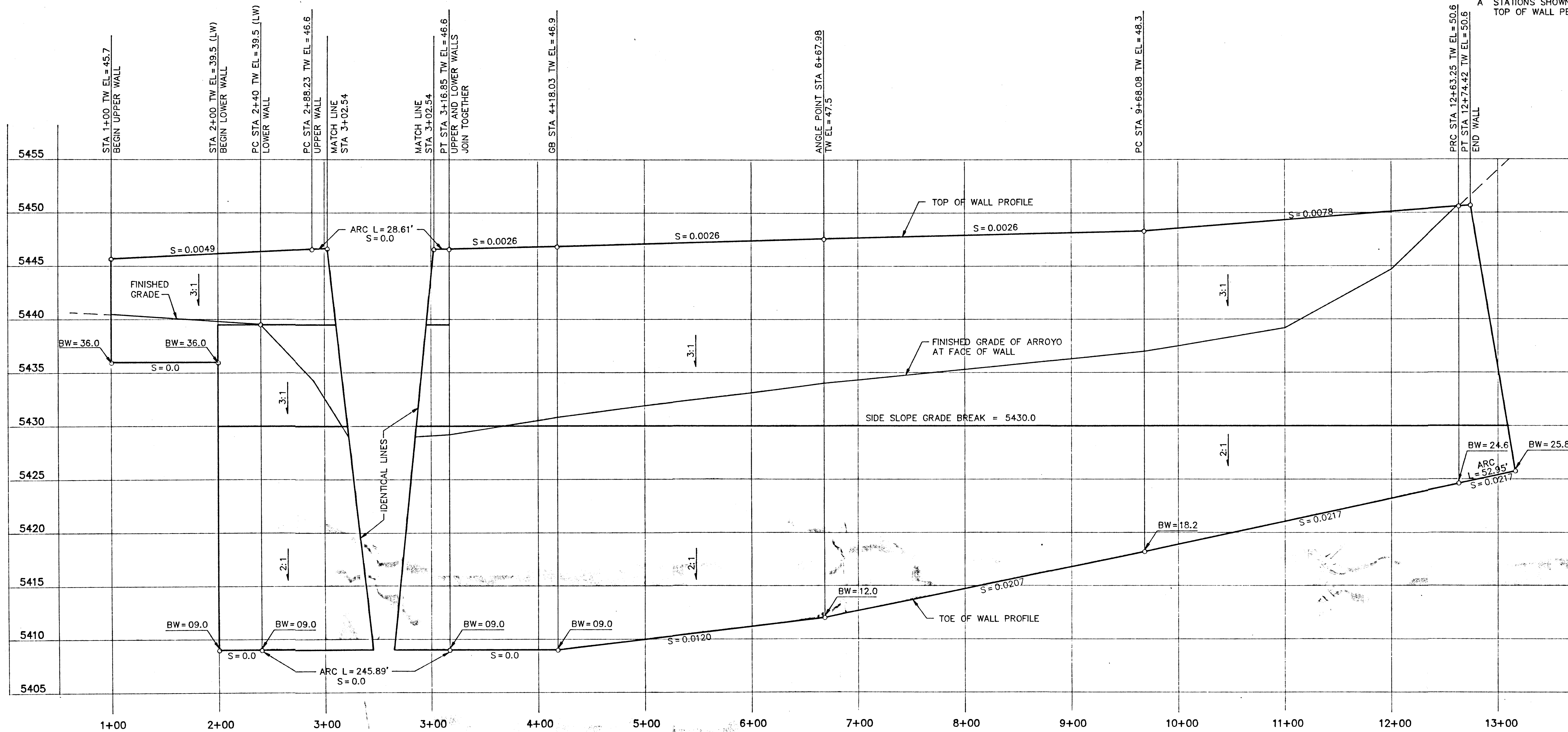
FOR 95% REVIEW ONLY 1/18/94

SHEET C6 OF C11



# NOTES

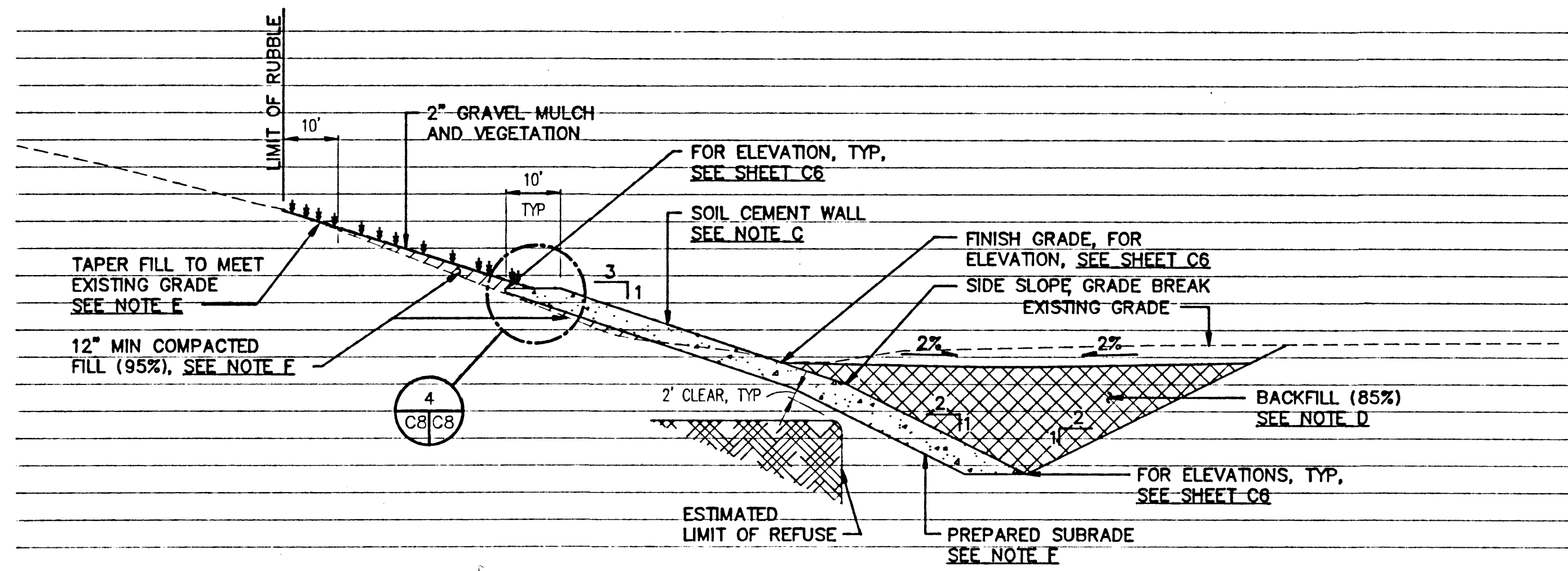
A STATIONS SHOWN ARE ALONG THE BACK OF TOP OF WALL PER SHEET C6.



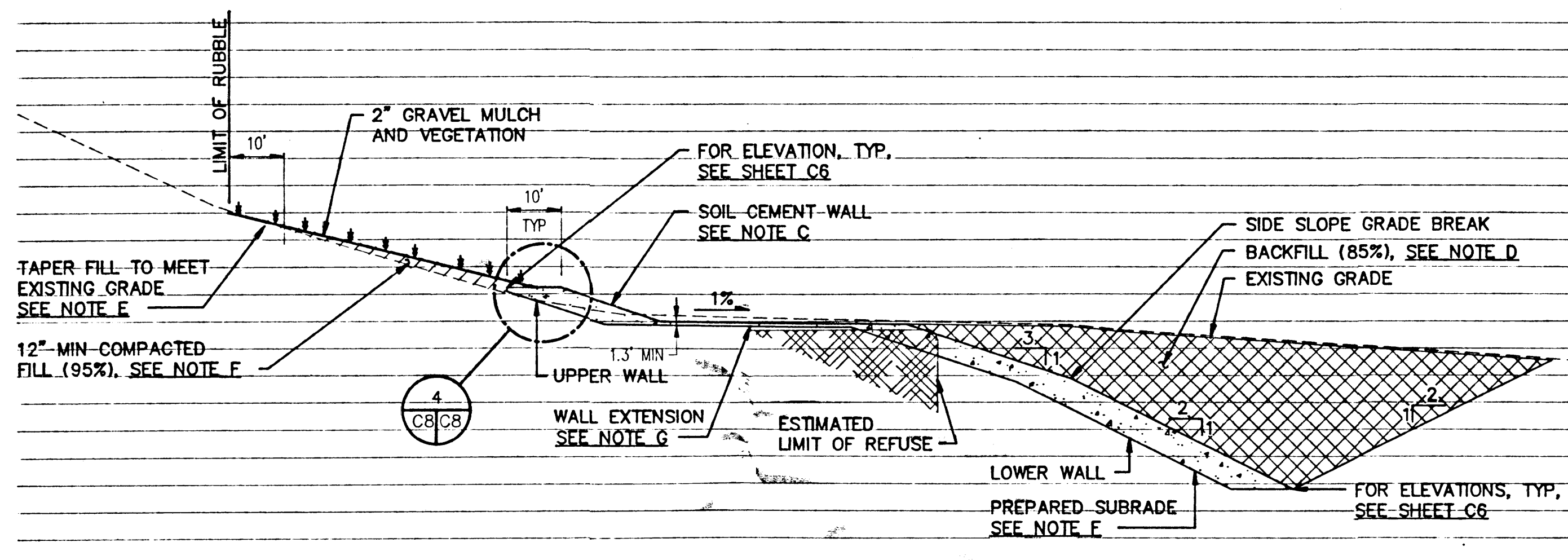
50/93043.11CD2/TJ-WALL/01-18-94/KHK

REVISION	DATE	DESCRIPTION
COMMISSIONER OF PUBLIC LANDS FOR THE STATE OF NEW MEXICO		
TIJERAS ARROYO BANK STABILIZATION AT SOUTH EUBANK LANDFILL		
WALL PROFILE		QA RELEASE - DESIGN BY RAS CHECKED BY DD DRAWN BY MDJ SCALE AS SHOWN DATE - SEQUENCE NO. -
LEEDSHILL - HERKENHOFF, INC. ENGINEERS ARCHITECTS ALBUQUERQUE SANTA FE SAN DIEGO		LH PROJECT MANAGER SHEET
FOR 95% REVIEW ONLY 1/18/94		C7 OF C11

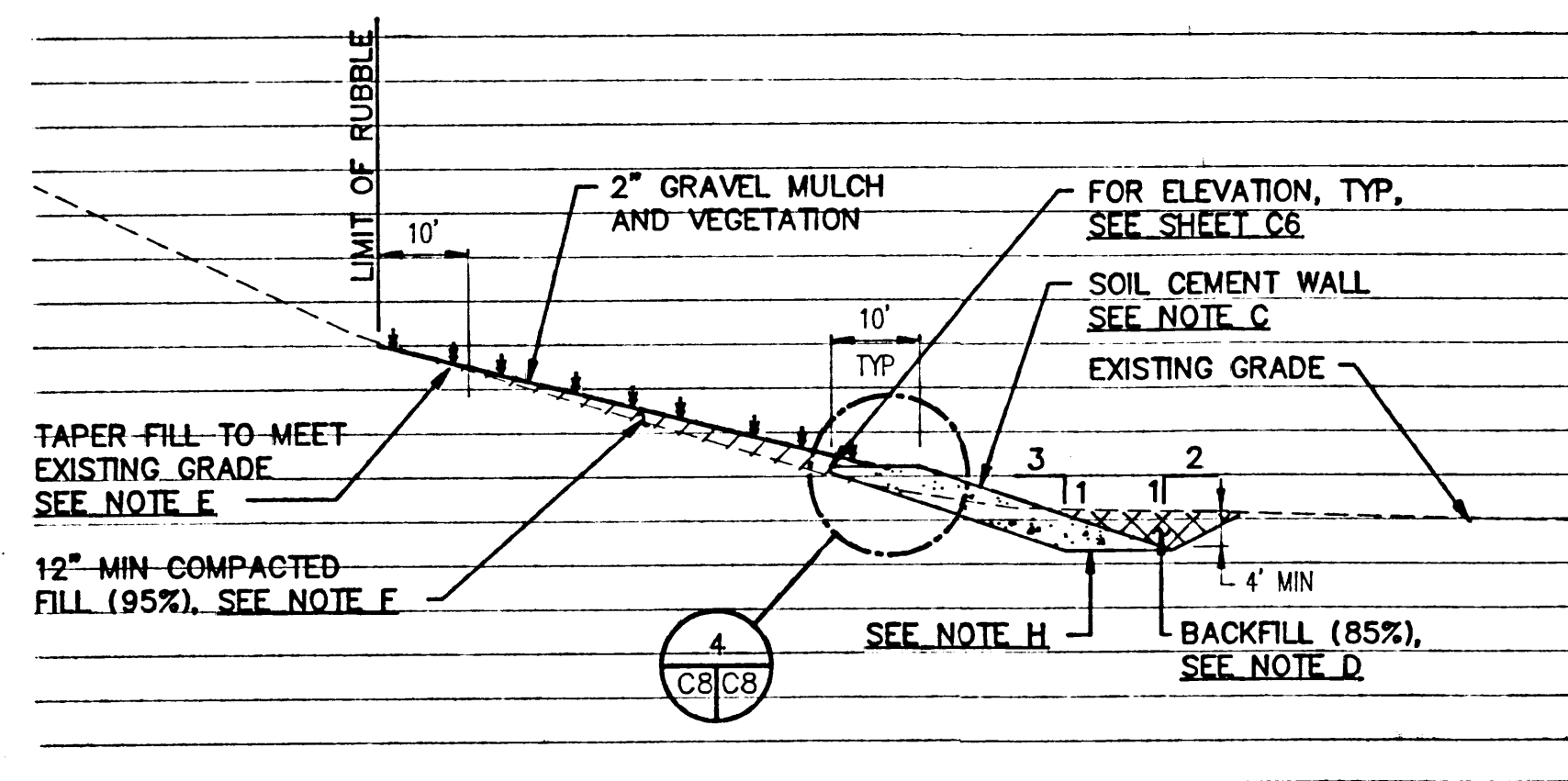




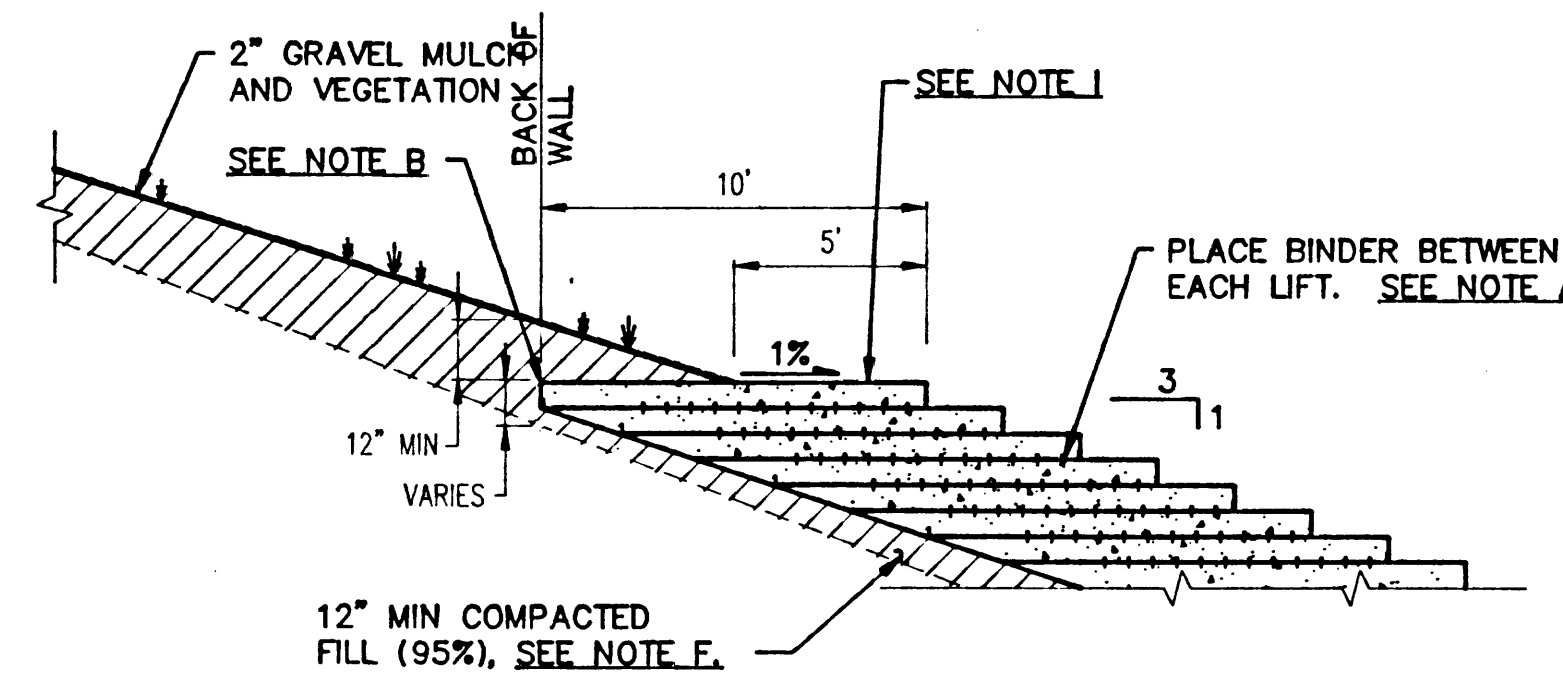
**1**  
TYPICAL CROSS SECTION  
SCALE: 1" = 20'



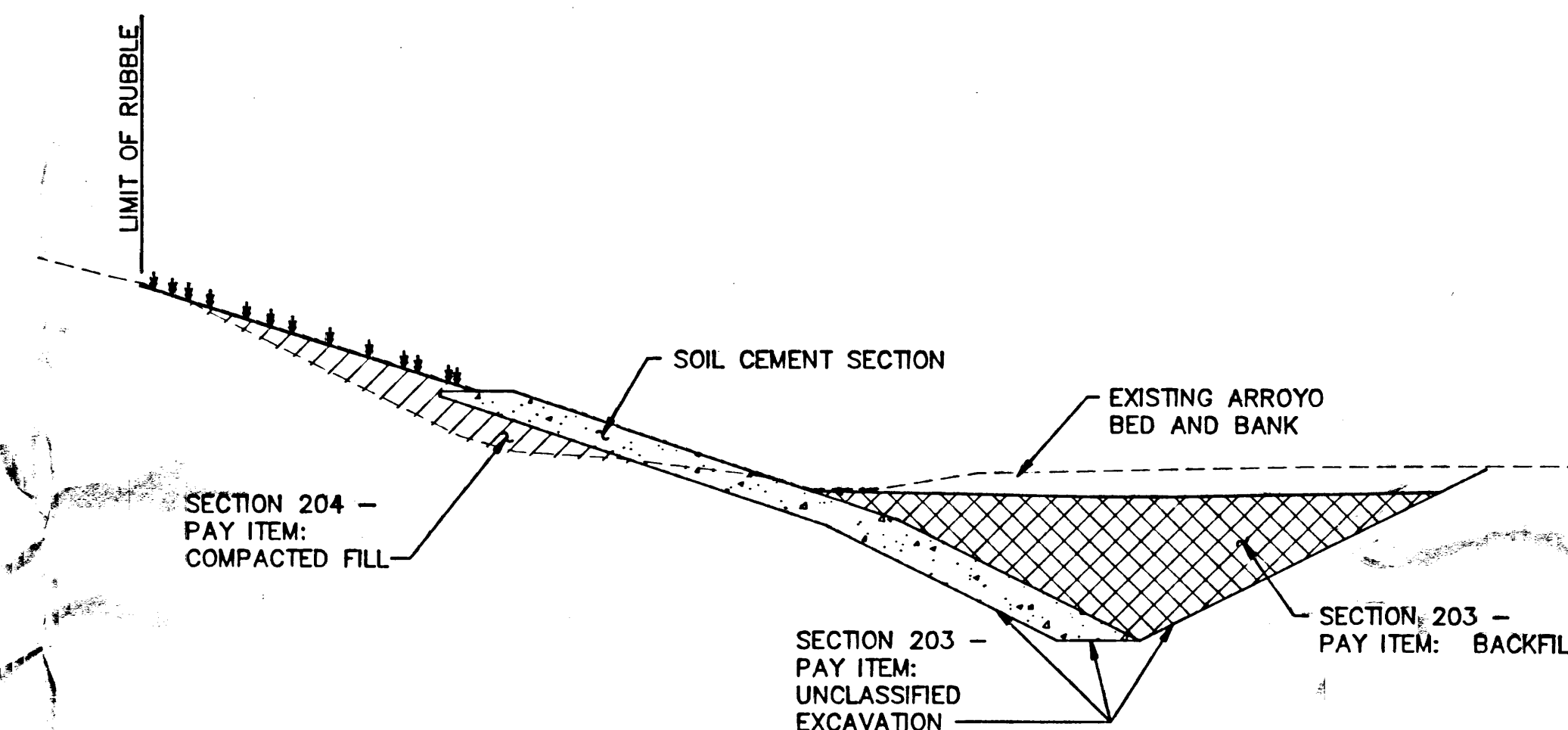
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TYPICAL CROSS SECTION  
SCALE: 1" = 20'



**3**  
TYPICAL CROSS SECTION  
SCALE: 1" = 20'



**4**  
TOP OF WALL DETAIL  
SCALE: 1" = 5'



**5**  
PAY ITEM DEFINITIONS  
NOT TO SCALE

## NOTES

- DRY PORTLAND CEMENT, OR OTHER SPECIFIED BINDER SHALL BE PLACED BETWEEN EACH SUCCESSIVE LAYER AT RATES AS SPECIFIED.
- THERE SHALL BE AS A MINIMUM, 12" OF COMPACTED FILL AND 2" OF GRAVEL MULCH OVER THE BACK OF WALL, AT THE TOP OF WALL.
- SOIL CEMENT SHALL BE PLACED IN 12" LOOSE LIFTS (MAX) AND COMPACTED TO DENSITIES AS SPECIFIED.
- PORTIONS OF THE ARROYO EXCAVATED FOR BELOW GRADE WALL CONSTRUCTION SHALL BE BACKFILLED IN 12" MAXIMUM LIFTS AND COMPACTED TO 85% AS SPECIFIED.
- WITHIN 10' OF THE "LIMIT OF RUBBLE", TAPER 12" MINIMUM COMPACTED FILL AND 2" GRAVEL MULCH IN A STRAIGHT LINE GRADE TO MATCH EXISTING GRADE.
- SUBGRADE SHALL BE TESTED FOR DENSITY AS SPECIFIED. IF DENSITY REQUIREMENTS ARE NOT MET, THE SUBGRADE SHALL BE SCARIFIED A MINIMUM OF 6" AND RECOMPACTED TO MEET DENSITY REQUIREMENTS AS SPECIFIED. SEE SHEET C2, NOTE 23, REGARDING EXCAVATION OF REFUSE.
- TWO (2) HORIZONTAL LIFTS OF SOIL CEMENT SHALL BE PLACED AS SPECIFIED, BETWEEN THE UPPER WALL AND LOWER WALL AS SHOWN.
- THE UPPER WALL TOE SHALL EXTEND A MINIMUM OF 4' BELOW GRADE. SEE SHEET C7 FOR ELEVATIONS.
- TOP LIFT SHALL BE NO LESS THAN 8" (COMPACTED).

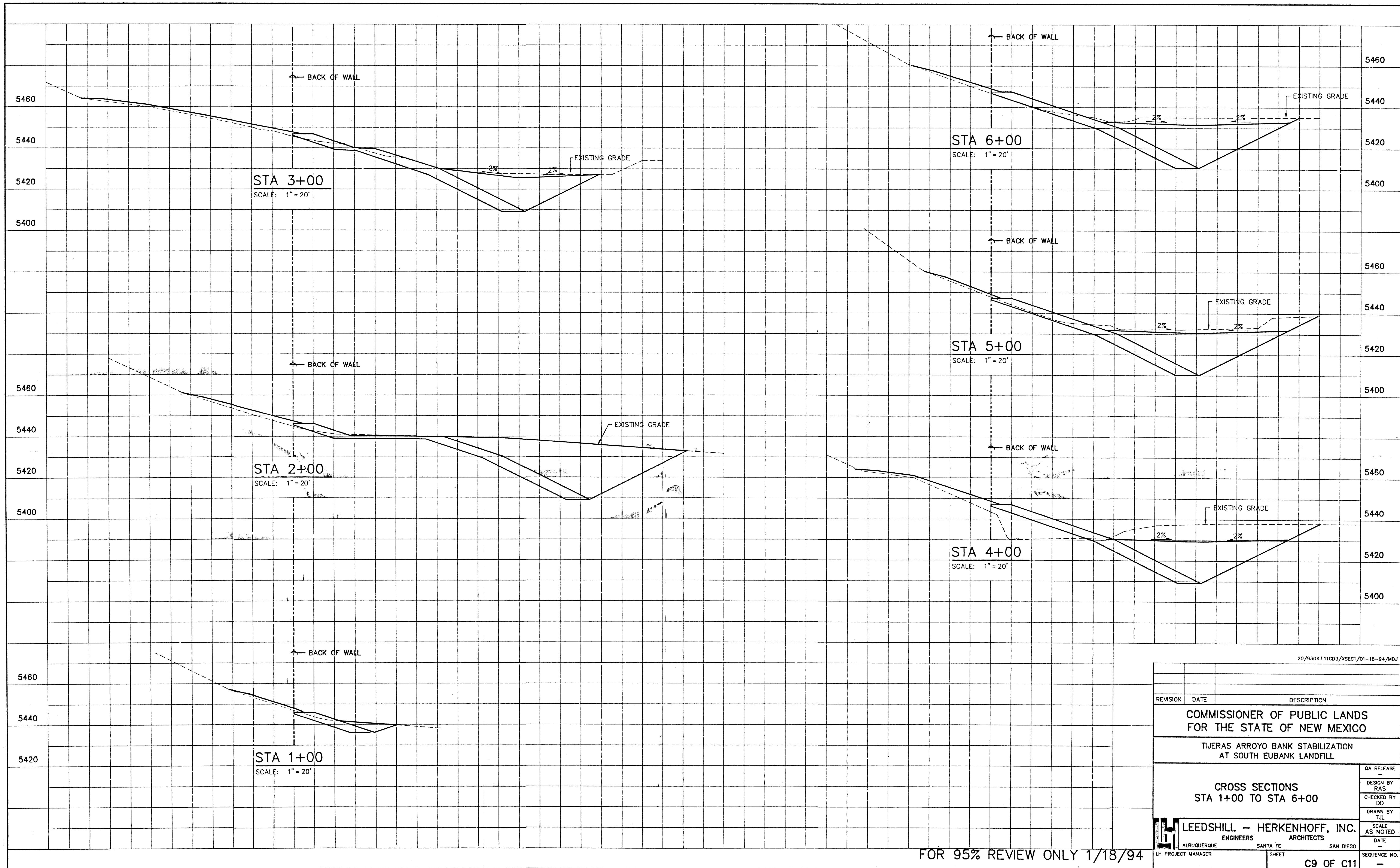
20/93043.11CD3/T.J-SEC/01-18-94/KHK

REVISION	DATE	DESCRIPTION
COMMISSIONER OF PUBLIC LANDS FOR THE STATE OF NEW MEXICO		
TIJERAS ARROYO BANK STABILIZATION AT SOUTH EUBANK LANDFILL		
TYPICAL SECTIONS AND DETAILS		QA RELEASE
		DESIGN BY RAS
		CHECKED BY DD
		DRAWN BY MDJ
LEEDSHILL - HERKENHOFF, INC. ENGINEERS ARCHITECTS ALBUQUERQUE SANTA FE SAN DIEGO		SCALE NONE
		DATE —
		SEQUENCE NO. —
		—

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C8 OF C11

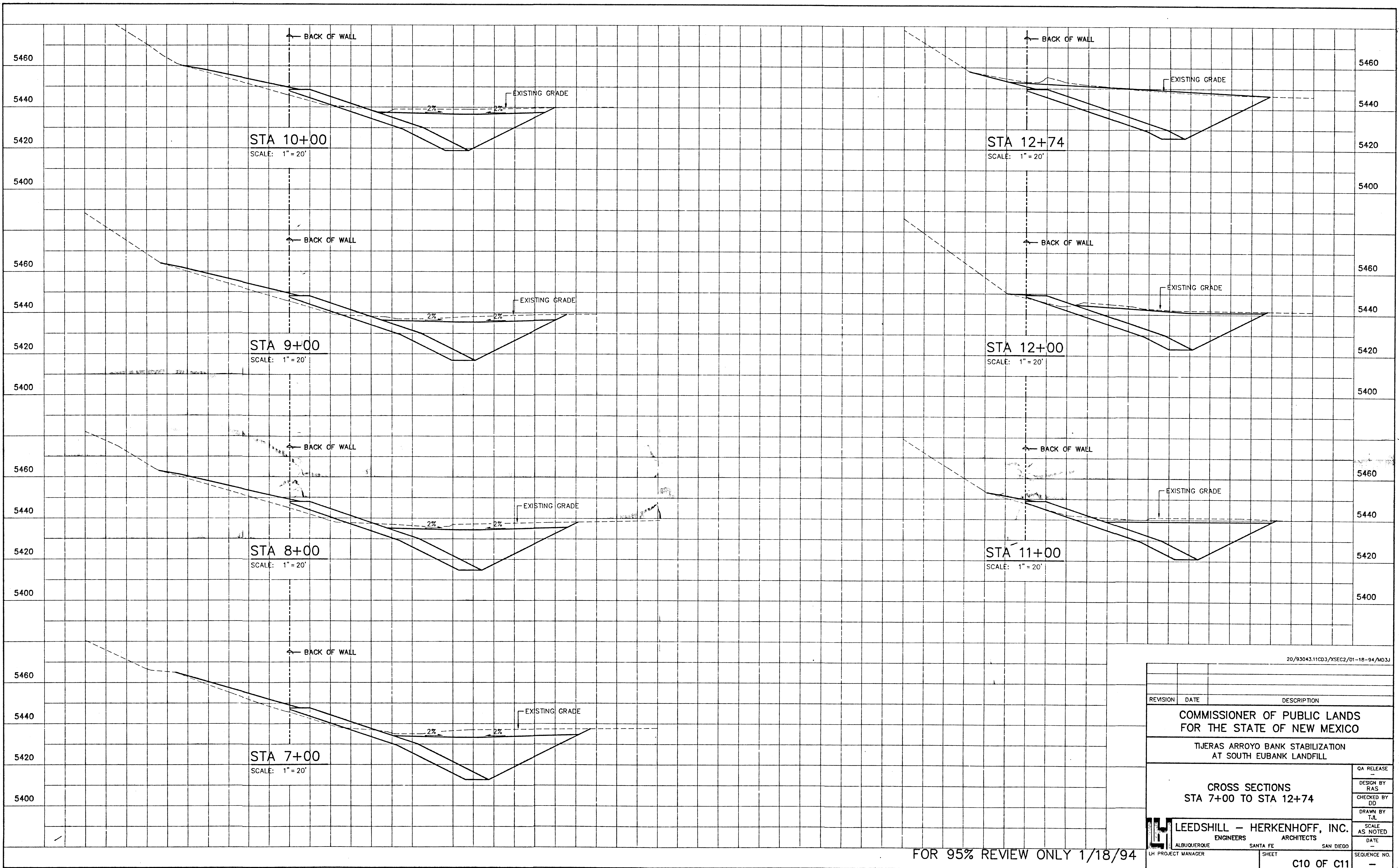




FOR 95% REVIEW ONLY 1/18/94

20/93043.11CD3/XSEC1/01-18-94/MDJ		
REVISION	DATE	DESCRIPTION
COMMISSIONER OF PUBLIC LANDS FOR THE STATE OF NEW MEXICO		
TIJERAS ARROYO BANK STABILIZATION AT SOUTH EUBANK LANDFILL		
CROSS SECTIONS STA 1+00 TO STA 6+00		QA RELEASE
LEEDSHILL - HERKENHOFF, INC.		DESIGN BY RAS
ALBUQUERQUE ENGINEERS SANTA FE ARCHITECTS SAN DIEGO		CHECKED BY DD
LH PROJECT MANAGER		DRAWN BY TJL
SHEET		SCALE AS NOTED
C9 OF C11		DATE -
		SEQUENCE NO. -

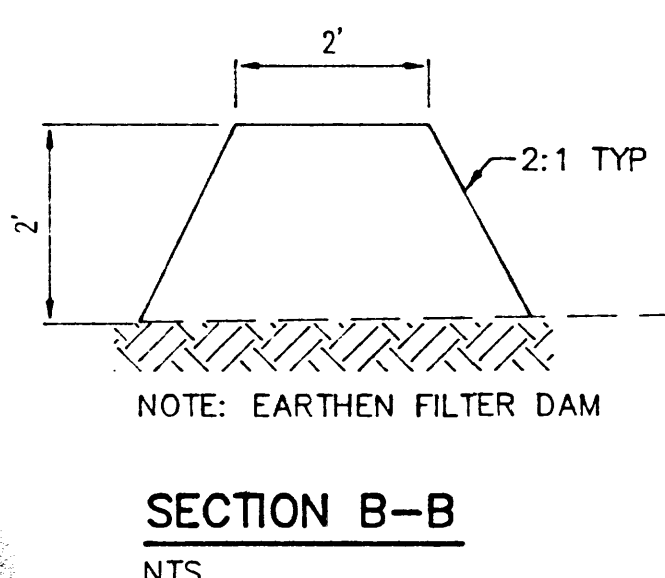
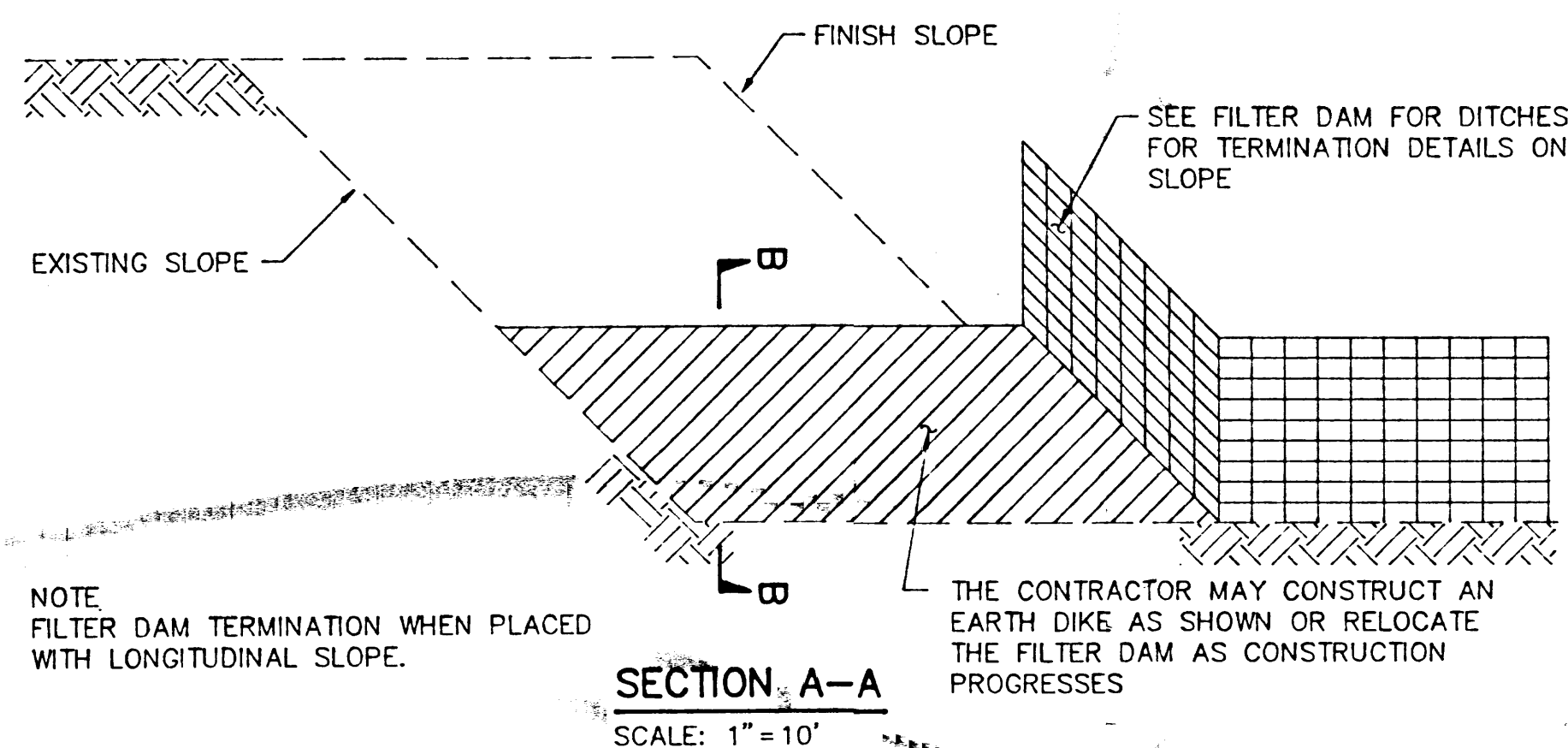
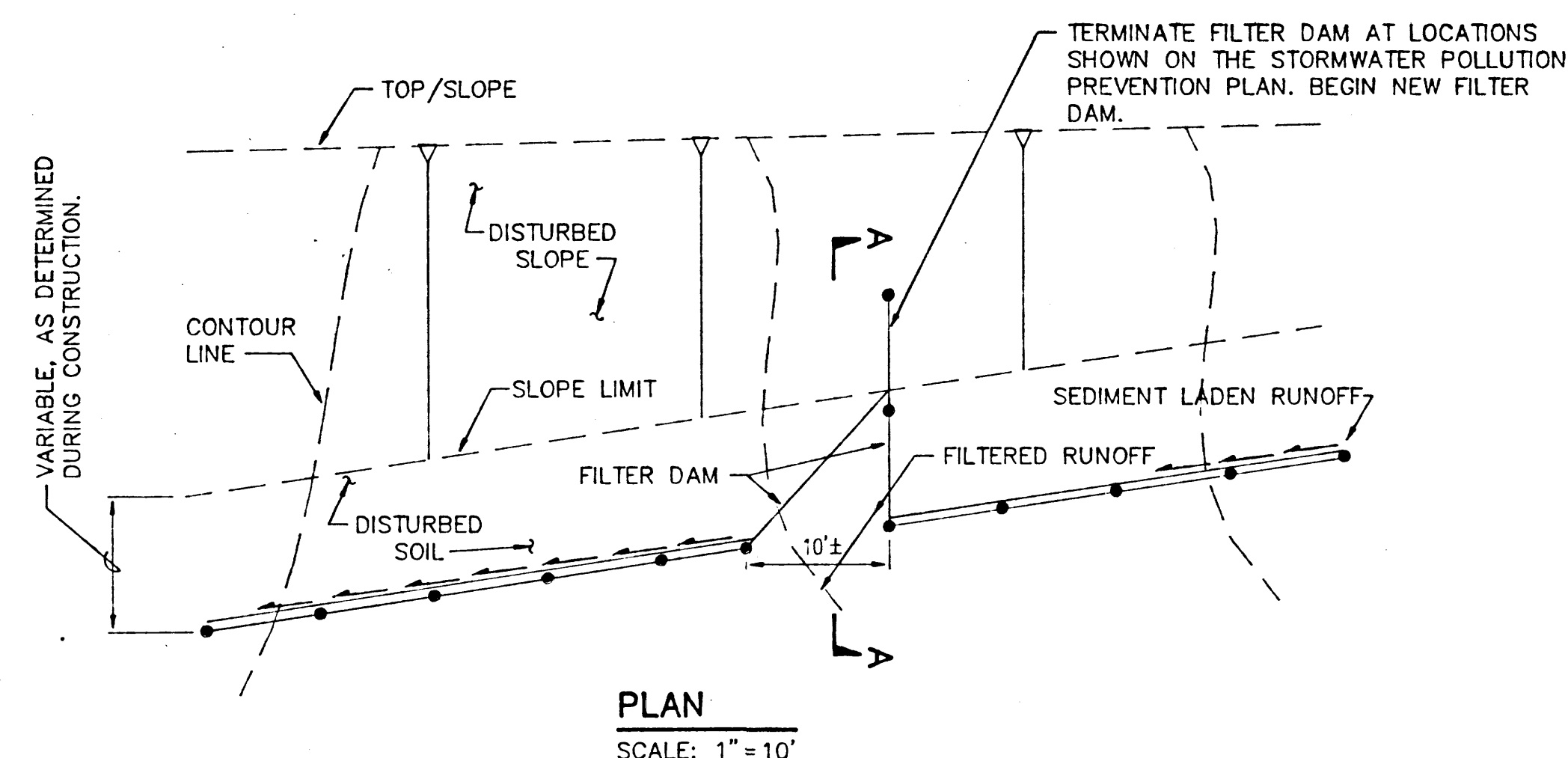




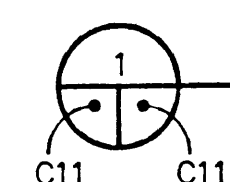
FOR 95% REVIEW ONLY 1/18/94

20/93043.11CD3/XSEC2/01-18-94/MD3J		
REVISION	DATE	DESCRIPTION
COMMISSIONER OF PUBLIC LANDS FOR THE STATE OF NEW MEXICO		
TIJERAS ARROYO BANK STABILIZATION AT SOUTH EUBANK LANDFILL		
CROSS SECTIONS STA 7+00 TO STA 12+74		QA RELEASE DESIGN BY RAS CHECKED BY DD DRAWN BY TUL SCALE AS NOTED DATE
LEEDSHILL - HERKENHOFF, INC. ENGINEERS ALBUQUERQUE SANTA FE SAN DIEGO		SEQUENCE NO. C10 OF C11

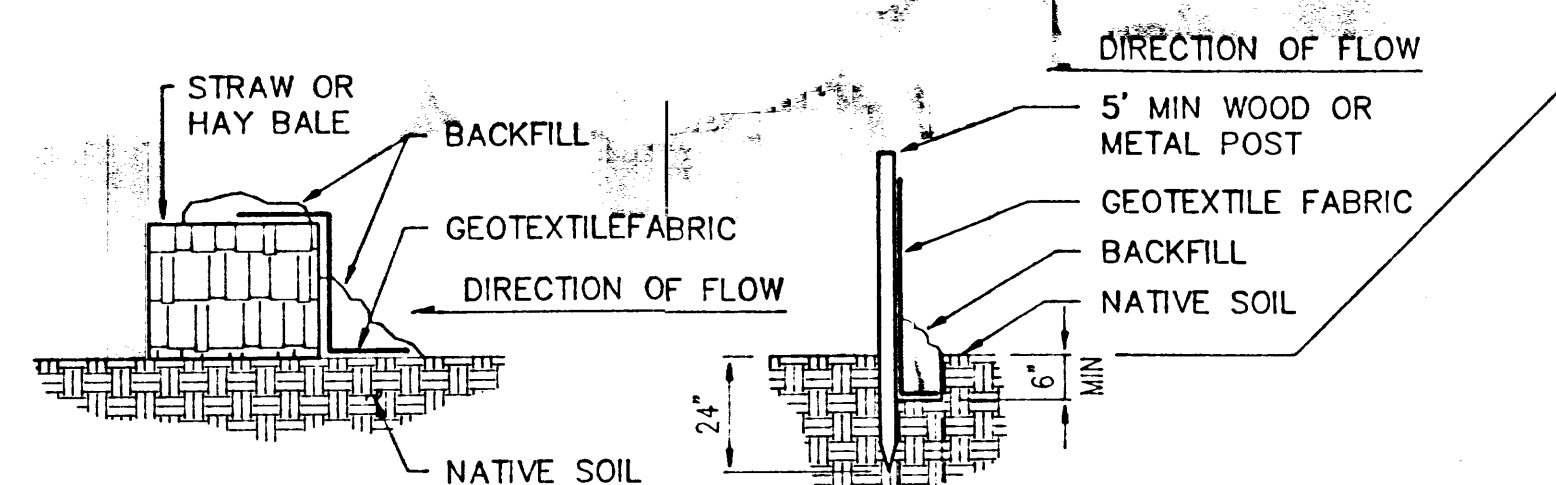




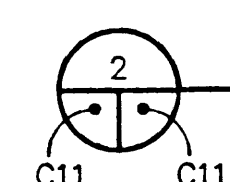
### TYPICAL INSTALLATION DETAIL FOR FILTER DAM ON SLOPES WITH LONGITUDINAL SLOPE



SCALE: 1" = 10'

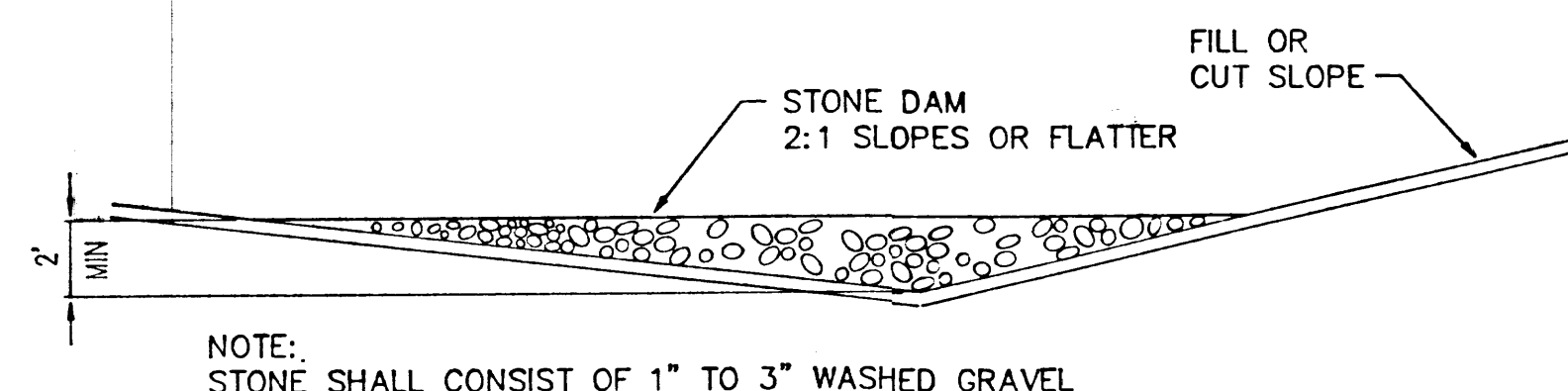


**MOVABLE SILT BARRIER WITH TRENCH**

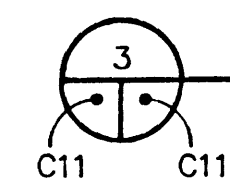


### TYPICAL SILT FENCE DETAILS

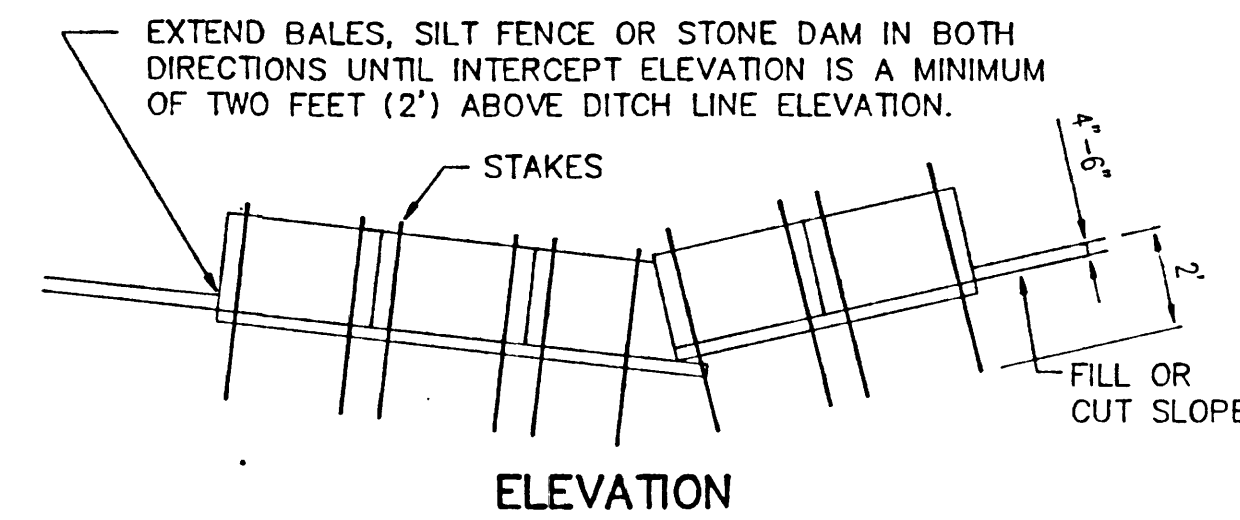
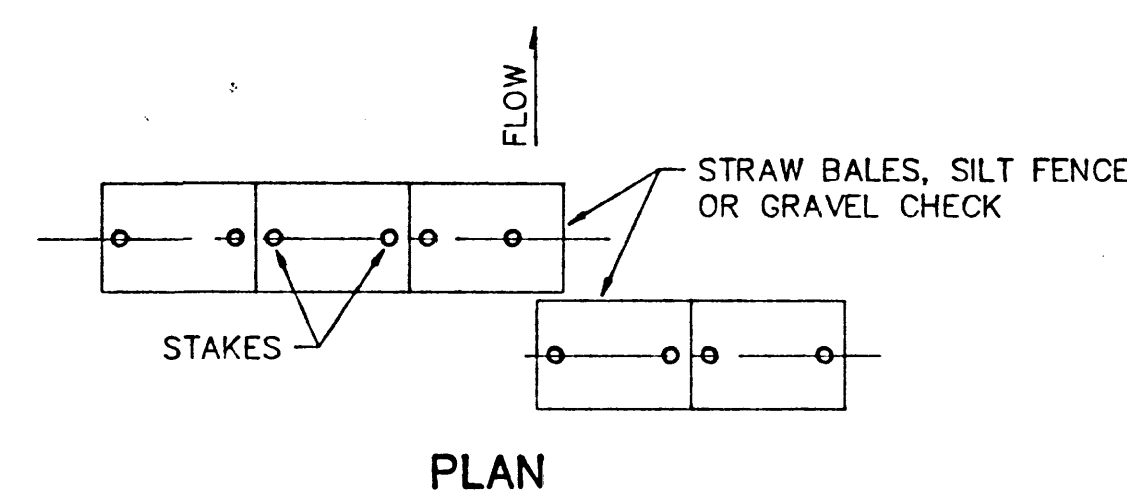
NTS



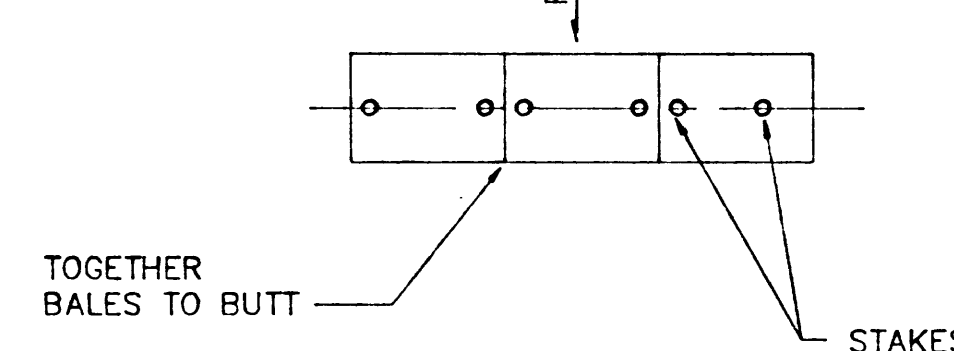
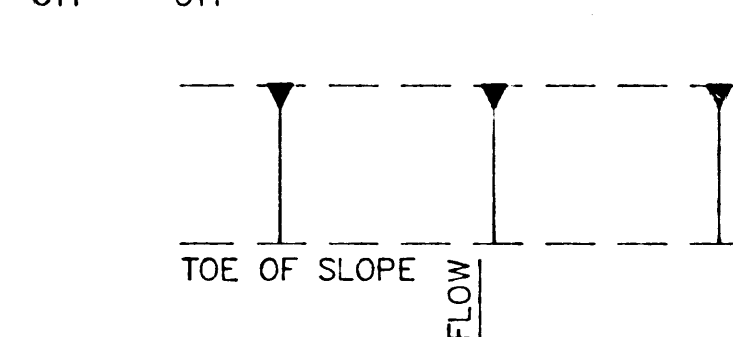
**ELEVATION--FILTER DAM (STONE DAM OPTION)**



NTS



### HAY BALE FILTER DAM FOR CHANNELS



**PLAN**

### HAY BALE FILTER DAM FOR SLOPES

NTS

C11 C11

### NOTES

- SEDIMENT BASINS AND TRAPS SHALL BE CLEANED OF ACCUMULATED SEDIMENT WHEN APPROXIMATELY 50% FILLED.
- FILTER DAMS SHALL BE CLEANED OF ACCUMULATED SEDIMENT WHEN THE DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE FILTER DAM.
- THESE DETAILS ARE TO BE INCORPORATED AS APPROPRIATE INTO THE NPDES STORMWATER POLLUTION PREVENTION PLAN BY THE CONTRACTOR. CONTRACTOR HAS THE OPTION TO USE ANY OR ALL OF THESE MEASURES IN THIS PLAN.
- CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE NOTICE-OF-INTENT TO THE EPA TWO WEEKS PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR PREPARING AND FILING THE STORMWATER POLLUTION PREVENTION PLAN (SP3) AND USING DETAILS SHOWN ON THIS SHEET FOR EROSION CONTROL MEASURES.
- A COPY OF THE SP3 MUST BE MAINTAINED ON THE PROJECT SITE AT ALL TIMES.

10/93034.11CD1/TJDETONE/01-17-94/MDJ

REVISION	DATE	DESCRIPTION
COMMISSIONER OF PUBLIC LANDS FOR THE STATE OF NEW MEXICO		
TJERAS ARROYO BANK STABILIZATION AT SOUTH EUBANK LANDFILL		
STORMWATER POLLUTION PREVENTION PLAN DETAILS		QA RELEASE —
LEEDSHILL — HERKENHOFF, INC. ENGINEERS ARCHITECTS		DESIGN BY SMA
		CHECKED BY DD
ALBUQUERQUE SANTA FE SAN DIEGO		DRAWN BY MDJ
		SCALE NONE
LH PROJECT MANAGER		DATE —
SHEET		SEQUENCE NO. —
C11 OF C11		

FOR 95% REVIEW ONLY 01/18/94