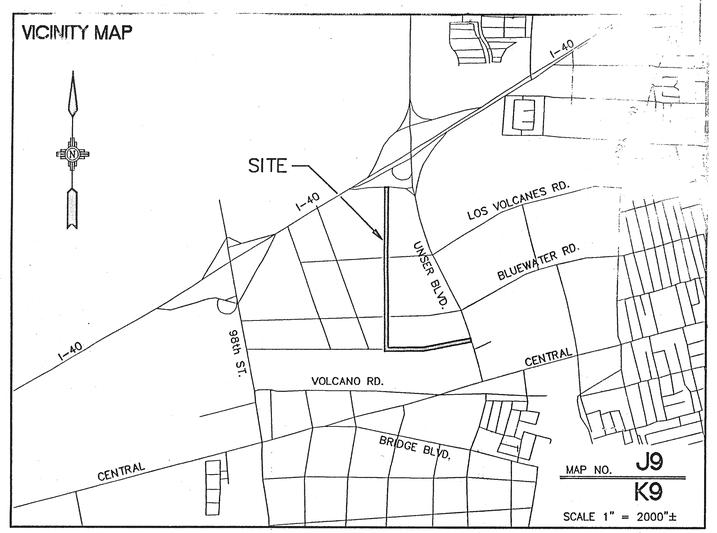
CONSTRUCTION PLANS FOR

ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

UNSER DIVERSION

VICINITY MAP



SHEET INDEX

1. COVER PAGE
2. KEY MAP, UTILITY CONTACTS AND STOCKPILE SECTIONS
3. STORM DRAIN – PLAN AND PROFILE
4. STORM DRAIN – PLAN AND PROFILE
5. STORM DRAIN/POND CONNECTIONS – PLAN AND PROFILE
6. STORM DRAIN/POND CONNECTIONS – PLAN AND PROFILE
7. EARTHEN CHANNEL – PLAN AND PROFILE
8. POND 1 – GRADING PLAN
9. POND 2 – GRADING PLAN
10. POND 3 – GRADING PLAN
11. POND 4 – GRADING PLAN
12. POND 5 – GRADING PLAN
13. POND 6 – GRADING PLAN
14. OUTLET STRUCTURE – DETAILS AND SECTIONS
15. OUTLET STRUCTURE TRASH RACK – DETAILS AND SECTIONS
16. RUNDOWN STRUCTURE DETAILS AND SECTIONS
17. RUNDOWN STRUCTURE DETAILS AND SECTIONS
18. MISCELLANEOUS DETAILS AND SECTIONS
19. FENCE DETAILS AND LOW FLOW CHANNEL DETAILS

20.–25. PROJECT PLAT

GENERAL NOTES

1. ALL WORK DETAILED ON THESE PLANS, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON WITHIN THE PROJECT CONTRACT DOCUMENTS AND SPECIFICATIONS, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO STATE HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 1994 EDITION.

2. ALL STORM DRAIN CONSTRUCTION AND WORK REQUIRED ON THE WATERLINE OWNED BY THE CITY OF ALBUQUERQUE, EXCEPT WHERE REVISED OR AMENDED BY THESE PLANS AND SPECIFICATIONS, SHALL BE DONE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS, STANDARD DRAWINGS, AND SECTIONS 13 AND 18 OF THE GENERAL CONDITIONS OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE NO. 5.

3. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT ONE CALL SYSTEM, INC., 260-1990, FOR LOCATION OF EXISTING UTILITIES.

4. THESE DRAWINGS REFLECT INFORMATION ON UTILITIES GATHERED BY SITE INSPECTION, DISCUSSIONS WITH MUNICIPAL OFFICIALS, AND PREVIOUS CONSTRUCTION DRAWINGS. IT IS POSSIBLE THAT THE EXACT LOCATION OF LINES AND UTILITY CONNECTION POINTS IN THE VICINITY OF THE REQUIRED WORK MAY BE DIFFERENT FROM THE LOCATION SHOWN ON THESE DRAWINGS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

5. ALL GAS, ELECTRIC, TELEPHONE LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY RELOCATIONS AND ADJUSTMENTS TO GRADE.

6. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN IN SERVICE ALL EXISTING UTILITIES.

7. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE CONTRACTOR'S RESPONSIBILITY.

8. ALL EXCAVATION/CONSTRUCTION PERMITS WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR PERMITS.

9. THE CONTRACTOR SHALL EXERCISE REASONABLE CARE DURING CONSTRUCTION TO PREVENT THE MOVEMENT OF SEDIMENT FROM THE SITE INTO EXISTING STREETS OR ABUTTING PROPERTY. LOOSE SOIL STOCKPILES DURING CONSTRUCTION ACTIVITIES SHALL BE PROMPTLY CLEANED UP OR PROTECTED FROM BEING CARRIED DOWNSTREAM BY FLOWING WATER.

10. EXCEPT FOR THE STOCKPILE AREA SHOWN ON SHEET 2, ALL UNPAVED AREAS DISTURBED BY THE CONTRACTORS WORK SHALL BE REVEGETATED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION SECTION 1012 IN THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, AS AMENDED THROUGH UPDATE No. 5.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL WASTE OR UNSUITABLE MATERIAL. A DISPOSAL SITE FOR ALL WASTE MATERIAL, INCLUDING TRASH THAT EXISTS ON THE SITE, SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPOVED BY THE FIELD ENGINEER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.

12. THE CONTRACTOR WILL BE REQUIRED TO CONFINE HIS WORK WITHIN THE EASEMENT LIMITS AND / OR PUBLIC RIGHT-OF-WAY TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE RIGHT-OF-WAY UNLESS THE EQUIPMENT OR MATERIAL IS PROPERLY SHIELDED UTILIZING CURRENT SAFETY DESIGN AND INSTALLATION METHODS. THE SAFETY DESIGN FOR THIS SHIELDING SHALL BE PROVIDED BY THE CONTRACTOR AND MUST BE APPROVED BY THE CITY OF ALBUQUERQUE BEFORE IMPLEMENTING. THERE WILL BE NO DIRECT MEASUREMENT OR PAYMENT FOR THE DESIGN, MATERIALS, INSTALLATION, AND REMOVAL OF THE SAFETY BARRIER.

13. CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.

14. CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE WATER SYSTEMS DIVISION A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO INITIATING ANY WORK AFFECTING ANY EXISTING PUBLIC OR PRIVATE WATERLINES.

15. THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, ARE INTENDED FOR USE ON THIS PROJECT AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF EASTERLING & ASSOCIATES, INC. IN THE EVENT OF UNAUTHORIZED USE, THE USER ASSUMES ALL RESPONSIBILITY AND LIABILITY WHICH RESULTS.

16. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE ENGINEER. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OR ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED.

17. MANHOLE STEPS WILL BE INSTALLED IN ALL STORM DRAIN MANHOLES AND JUNCTION BOXES AND CATCH BASINS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO OTHER CONTRACT ITEMS AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.

18. THE CONTRACTOR SHALL ADEQUATELY SUPPORT AND PROTECT EXISTING UTILITIES AFFECTED BY THE CONTRACTORS EXCAVATION ACTIVITY. IN THE EVENT THAT EXISTING UTILITIES ARE DAMAGED BY THE CONTRACTORS OPERATIONS, THE CONTRACTOR SHALL ARRANGE FOR AND COORDINATE PROMPT REPAIR BY THE RESPECTIVE UTILITY AND SHALL BEAR THE COST OF REPAIRS.

19. THE CONTRACTOR SHALL REMOVE AND REPLACE ALL SECTIONS OF EXISTING PAVING, CURB, AND GUTTER, AND OR SIDEWALK DAMAGED DURING CONSTRUCTION OF THE PROJECT. THIS WORK SHALL BE PERFORMED AT NO COST TO THE OWNER.

20. ALL TRENCH EXCAVATION AND RELATED WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE OSHA, STATE, AND LOCAL REGULATIONS, LAWS AND ORDINACES.

21. THE FOLLOWING DOCUMENTS PROVIDED THE BASIS FOR DESIGN OF THE PROJECT.
    1. MASTER DRAINAGE PLAN FOR THE ATRISCO BUSINESS PARK, OCTOBER 1993, EASTERLING AND ASSOCIATES.
    2. DESIGN ANALYSIS FOR THE AMAFCA, UNSER DIVERSION, SEPTEMBER 1993, EASTERLING AND ASSOCIATES.
    3. REQUEST FOR CONDITIONAL LETTER OF MAP REVISION FOR THE UNSER DIVERSION AND THE ATRISCO BUSINESS PARK, JANUARY 1994, EASTERLING AND ASSOCIATES.
    4. CONDITIONAL LETTER OF MAP REVISION FOR THE UNSER DIVERSION AND ATRISCO BUSINESS PARK, APRIL 1994, FEDERAL EMERGENCY MANAGEMENT AGENCY.

FOR INFORMATION ONLY

APPROVAL OF RECORD DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 9/24/01

AMAFCA PROJECT

CHARLES M. EASTERLING, NEW MEXICO, 6411, REGISTERED PROFESSIONAL ENGINEER

RECORD DRAWING

I, Charles M. Easterling, hereby certify that these drawings has been revised in accordance with the information furnished by Surv-Tek, Inc. to reflect the construction as actually accomplished.

1 2 0 0 0 1 7 8 9 10 11 12 13 14 15
2 6 - 5 8 6 5 . 8 1 0 1 0 1

Charles M. Easterling, P.E. N.M.P.E. No. 6411 — Date: 5-8-97

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

APPROVAL OF REVISIONS

ABBREVIATIONS

AC	– ASBESTOS CEMENT	DD	– DEFLECT DOWN	FO	– FIBER OPTIC CABLE	PRC	– POINT OF REVERSE CURVATURE
ARV	– AIR/VACUUM RELEASE VALVE	DIP	– DUCTILE IRON PIPE	G	– GAS	PRV	– PRESSURE RELIEF VALVE
B	– BASELINE	DU	– DEFLECT UP	HP	– HIGH PRESSURE	PT	– POINT OF TANGENCY
BC	– BEGIN CURVE	E	– EXISTING	I	– INSTALL	PUE	– PUBLIC UTILITY EASEMENT
BCT	– BEGIN CROWN TRANSITION	EC	– END CURVE	LP	– LIGHT POLE	R/REL	– REMOVE & RELOCATE
C	– CONSTRUCT	ECT	– END CROWN TRANSITION	LT	– LEFT	R/RPLC	– REMOVE & REPLACE
CAV	– COMBINATION AIR VALVE	ELEV	– ELEVATION	MH	– MANHOLE	PVC	– POLY VINYL CHLORIDE
CCP	– CONCRETE CYLINDER PIPE	F-F	– FACE TO FACE	PC	– POINT OF CURVATURE	R	– REMOVE
CI	– CAST IRON	F/F	– FEET/FOOT	PCC	– POINT OF COMPOUND CURVATURE	REL	– RELOCATE
CL	– CENTERLINE	FH	– FIRE HYDRANT	POC	– POINT ON CURVE	ROW	– RIGHT-OF-WAY
COA	– CITY OF ALBUQUERQUE	FL	– FLOW LINE	PP	– POWER POLE	RT	– RIGHT
						SAS	– SANITARY SEWER
						SD	– STORM DRAIN
						TC	– TOP OF CURB
						T	– TELEPHONE
						TP	– TOP OF PIPE
						TW	– TOP WIDTH
						UE	– UNDERGROUND ELECTRIC
						VCP	– VITRIFIED CLAY PIPE
						VER	– VERIFY LOCATION
						W OR WL	– WATERLINE
						X	– CROSSING

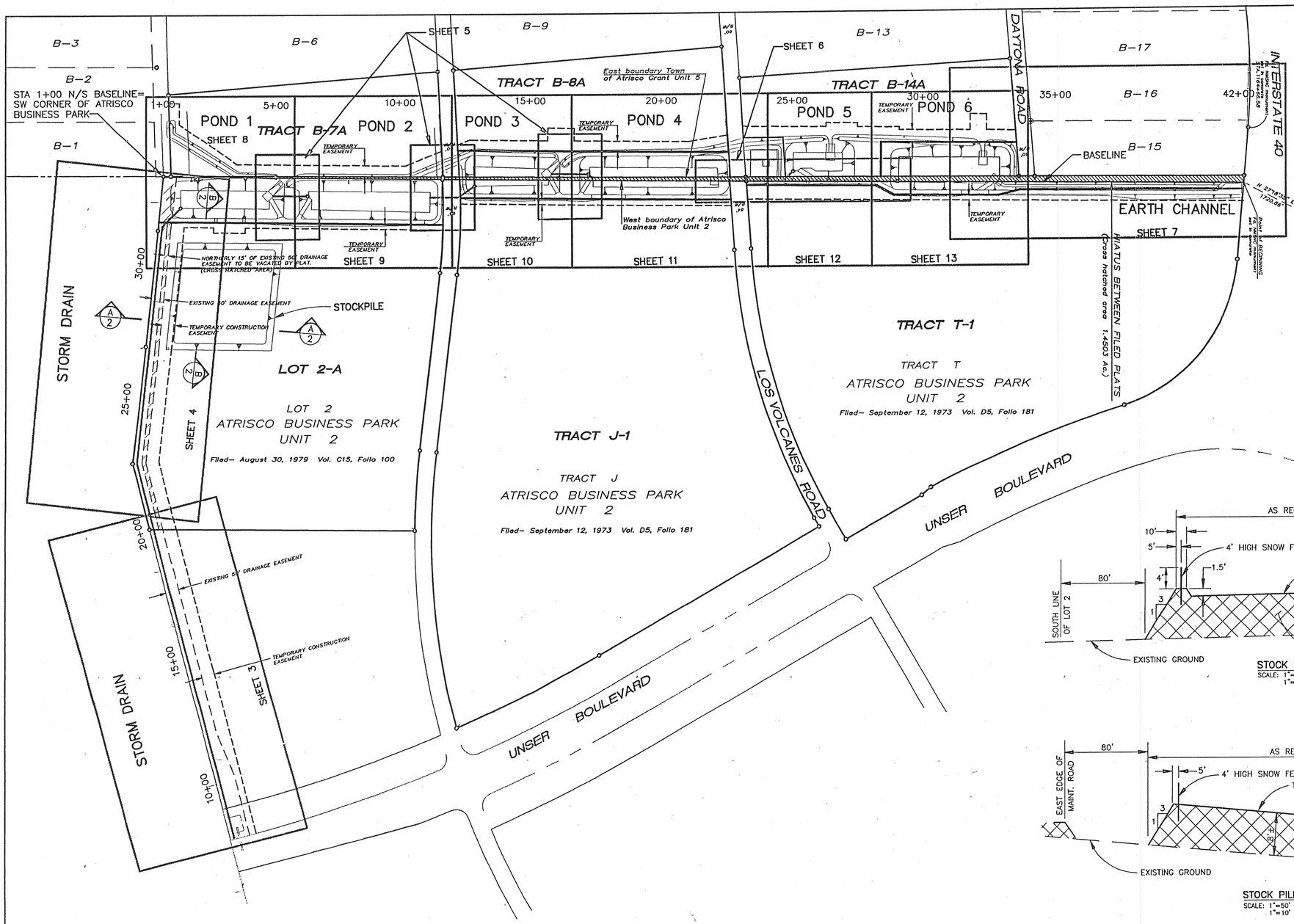
AMAFCA
APPROVED FOR CONSTRUCTION
LARRY A. BLAIR, EXECUTIVE ENGINEER 11/21/96

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-7/8
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

APPROVED FOR CONSTRUCTION
CITY HYDROLOGY 11/21/96 DATE

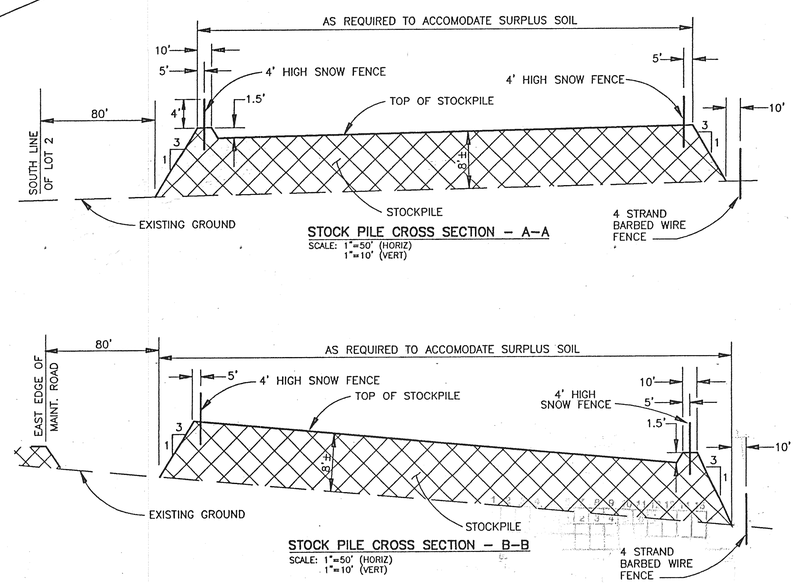
PROJECT NUMBER 5865.81 ~~3324.0~~

SHEET 1 OF 25



SOIL STOCKPILE NOTES

1. LENGTH AND WIDTH OF THE COMPLETED STOCKPILE SHALL NOT DIFFER BY MORE THAN 15%.
2. AFTER ALL MATERIAL HAS BEEN PLACED, THE SURFACE OF THE STOCKPILE SHOULD BE BLADED SMOOTH THEN WATERED THOROUGHLY TO PROMOTE CRUSTING.
3. STOCKPILE SIDE SLOPES SHALL BE 3:1.
4. DURING CONSTRUCTION AND UPON COMPLETION, AT LEAST ONE 12' WIDE RAMP SLOPED AT LESS THAN 7-1/2% SHALL BE PROVIDED TO ALLOW WATER TRUCK ACCESS TO THE TOP OF THE STOCKPILE.
5. THE TOP SURFACE OF THE FINISHED STOCKPILE SHOULD BE FIRM ENOUGH TO ALLOW WATER TRUCK ACCESS.
6. 4' HIGH SNOW FENCE SHALL BE CONSTRUCTED AROUND THE PERIMETER OF THE TOP OF THE FINISHED STOCKPILE. A BREAK IN THE FENCE SHALL BE PROVIDED TO ALLOW WATER TRUCK ACCESS AT THE ACCESS RAMP.
7. 4 STRAND BARBED WIRE FENCE, PER DETAILS ON SHEET 19, SHALL BE CONSTRUCTED ADJACENT TO THE NORTH AND EAST TOE OF THE STOCKPILE. THE FENCE SHOULD EXTEND AND CONNECT TO THE NORTH/SOUTH FENCE TO BE CONSTRUCTED ADJACENT TO THE EAST EDGE OF POND 1, AND THE EXISTING EAST/WEST FENCE LOCATED SOUTH OF THE STOCKPILE.



STOCK PILE CROSS SECTION – A–A
SCALE: 1"=50' (HORIZ)
1"=10' (VERT)

STOCK PILE CROSS SECTION – B–B
SCALE: 1"=50' (HORIZ)
1"=10' (VERT)

UTILITY COMPANY CONTACTS

CITY OF ALBUQUERQUE
(Water & Sanitary Sewer)
Bill Otto
PWD/Utility Development
P.O. Box 1293
Albuquerque, NM 87103
(505) 768-2718

PNM ELECTRIC
Jim Van
4201 Edith Blvd. NE
Albuquerque, New Mexico 87107
(505) 848-3426

PNM GAS
Debbie O'Callaghan
4625 Edith Blvd., NE
Albuquerque, New Mexico 87107
(505) 761-7705

US WEST COMMUNICATIONS
Norma Carrillo
201 Third Street
P.O. Box 1355, Sta. 952
Albuquerque, New Mexico 87103
(505) 245-8706

AT&T
Ishmael Pantoja
111 Third ST., NW
Albuquerque, New Mexico 87103
(505) 842-2806

JONES INTERCABLE
Karen Shore
4611 Montbel Pl., NE
P.O. Box 27138
Albuquerque, NM 87125-7138
(505) 761-6220

RECORD DRAWING
I, Charles M. Easterling, hereby certify that these drawings have been revised in accordance with the information furnished by Surv-Tek, Inc. to reflect the construction as actually accomplished.

Charles M. Easterling, P.E. 5-8-97
N.M.P.E. No. 6411 Date:

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
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(505) 898-8021 FAX (505) 898-8501

ALBUQUERQUE METROPOLITAN
ARROYO FLOOD CONTROL
AUTHORITY

TITLE: **UNSER DIVERSION**
KEY MAP, UTILITY CONTACTS AND STOCKPILE SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
AMAFCA					

PROJECT NO. ~~3324.0~~ 5865.81 | MAP NO. Z-K9 | SHEET 2 OF 25

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-5865.81 6201

AMAFCA PROJECT

AS BUILT INFORMATION
CONTRACTOR Trio / Lee
WORK STAKED BY Survey Tek DATE
ACCEPTANCE BY Easterling DATE
FIELD LOCATION BY Easterling DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION NAME: I-40-20A
N.M.S.H.C. BRASS TABLET LOCATED ON THE NORTH SIDE OF U.S. HWY. I-40 AND ABOUT 465' EAST OF UNSER BLVD. OVERPASS
NORTHING: 1,490,199.7
EASTING: 365,926.16
ELEVATION: 5165.89

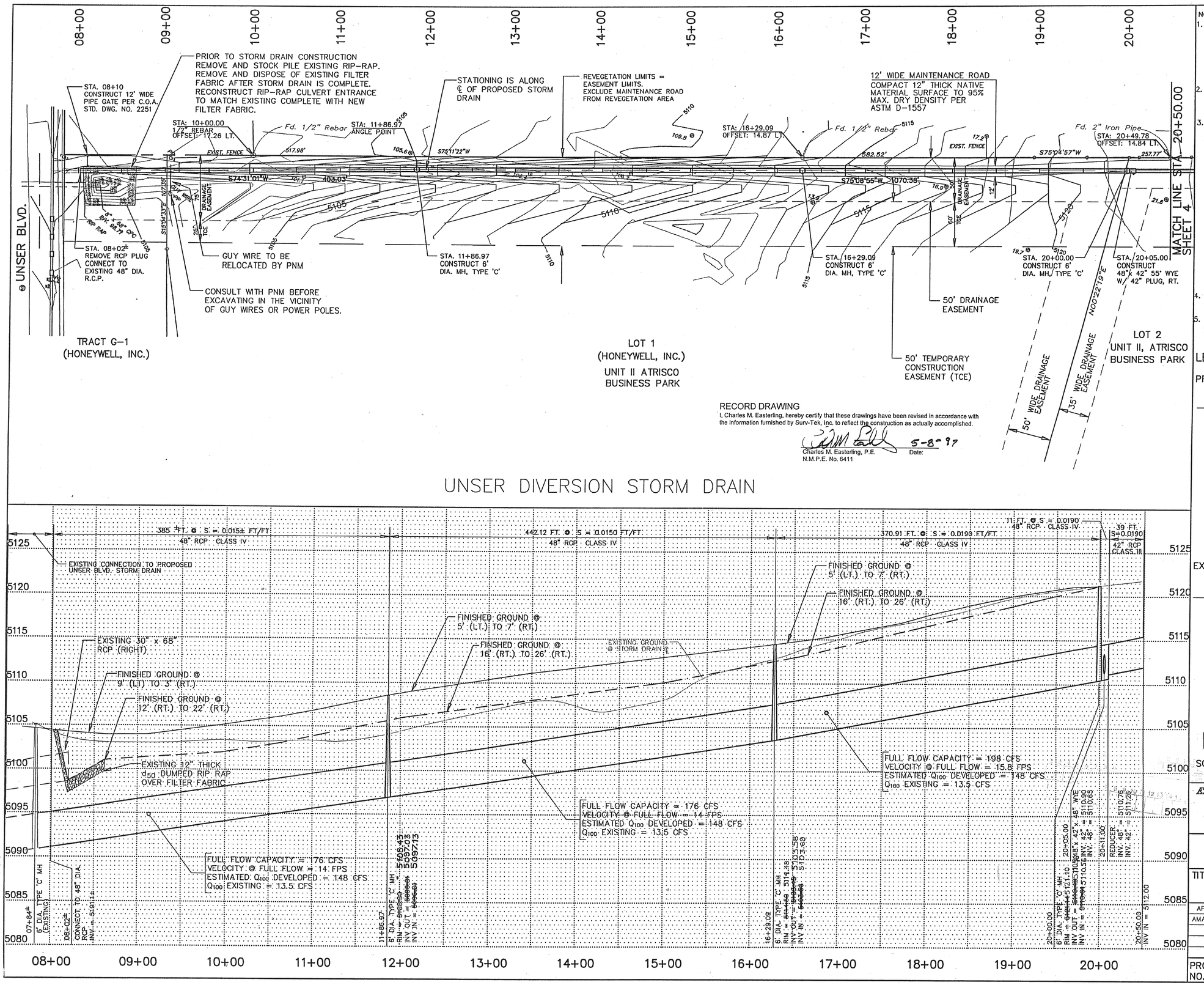
SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
TOPO	GEO SERVICE	4-93

ENGINEERS SEAL
CHARLES M. EASTERLING 6411 NEW MEXICO PROFESSIONAL ENGINEER
11-22-11

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY VSF,JML DATE 10/93	
		DRAWN BY PMT,JMM DATE 10/93	
		CHECKED BY VSF,CME DATE 9/94	

DWG: T:\PROJECTS\TEMP\DWG\3324\3324K2
TIME: 11-20-96 11:26:26



NOTES:

1. THE CONTRACTOR WILL BE REQUIRED TO CONFINE HIS WORK TO THE EASEMENT LIMITS AND PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL NOT DISTURB THE FENCE LOCATED ALONG PORTIONS OF THE SOUTH LINE OF THE DRAINAGE EASEMENT.
2. REINFORCED CONCRETE PIPE WYES, REDUCERS AND PLUGS SHALL BE FACTORY FABRICATED.
3. THE MINIMUM BEDDING CLASS FOR ALL STORM DRAIN CONSTRUCTION SHALL BE CLASS "B". NATIVE MATERIALS CONFORMING TO THE CRITERIA FOR CLASS II OR CLASS III SOILS SHALL BE USED TO CONSTRUCT THE REQUIRED GRANULAR FOUNDATION. BEDDING FOR STORM DRAIN 50 LF IMMEDIATELY DOWNSTREAM OF EACH POND OUTLET STRUCTURE SHALL BE "LEAN FILL". THE "LEAN FILL" SHALL BE PLACED IN THE ZONE BETWEEN THE INVERT AND THE SPRING LINE OF THE PIPE IN ACCORDANCE WITH SECTION 207 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE NO.5. FOUNDATION AND BACKFILL MATERIAL SHALL BE COMPACTED TO A MINIMUM DENSITY OF 90% MAXIMUM DRY DENSITY PER ASTM D-1557.
4. COMPACT EARTHEN FILL TO 95% MAX. DRY DENSITY PER ASTM D-1557.
5. STATIONING IS BASED ON THE CENTERLINE OF THE STORM DRAIN.

LEGEND

PROPOSED FEATURES

43.9 ⊕ SPOT ELEVATION

5135 CONTOUR

RECORD DRAWING

I, Charles M. Easterling, hereby certify that these drawings have been revised in accordance with the information furnished by Surv-Tek, Inc. to reflect the construction as actually accomplished.

Charles M. Easterling, P.E.
N.M.P.E. No. 6411

Date: 5-8-97

UNSER DIVERSION STORM DRAIN

EXISTING FEATURES

⊕49.8 SPOT ELEVATION

5150 CONTOUR

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

26-5865.81 0307

SCALE: 1"=50' HORIZ.
1"= 5' VERT.

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-7/8
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

ENGINEER'S SEAL
CHARLES M. EASTERLING 6411 REGISTERED PROFESSIONAL ENGINEER
11-24-97

AS BUILT INFORMATION
CONTRACTOR Triad Const. DATE
WORK BY Zuccee Inc. DATE
INSPECTORS ACCEPTANCE BY Eastern DATE
VERIFICATION BY Eastern DATE
CORRECTED BY DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION NAME: I-40-20A
N.M.S.H.C. BRASS TABLET LOCATED ON THE NORTH SIDE OF U.S. HWY. I-40 AND ABOUT 465' EAST OF UNSER BLVD. OVERPASS
NORTHING: 1,490,199.97
EASTING: 356,926.16
ELEVATION: 5165.89

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
TOPO GEO SERVICE 4-93

NO.	REMARKS	DATE	BY
	REVISIONS DESIGN	DATE 10/93	VSF/JML
		DATE 10/93	JML/MM
		DATE 9/94	VSF/CME

DESIGNED BY VSF/JML
DRAWN BY JML/MM
CHECKED BY VSF/CME

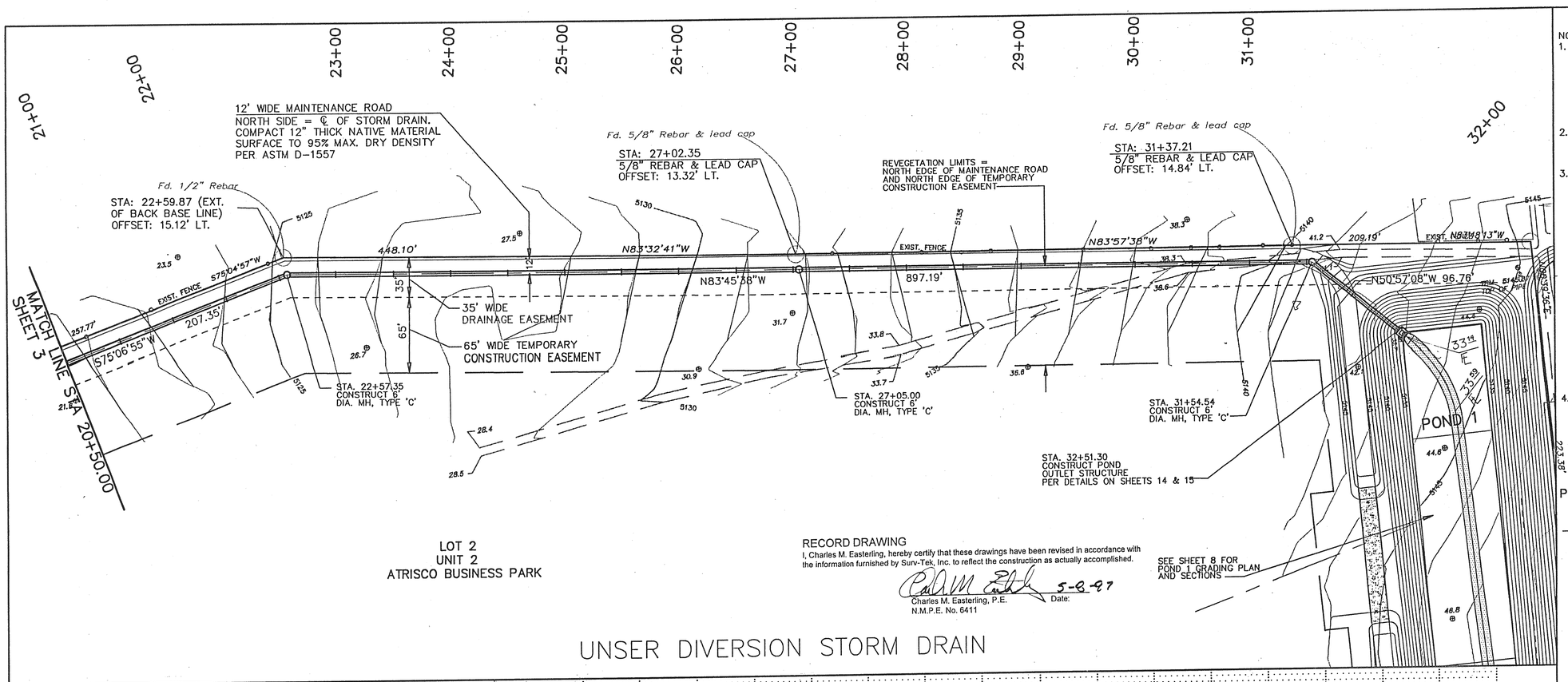
ALBUQUERQUE METROPOLITON
ARROYO FLOOD CONTROL
AUTHORITY

TITLE: UNSER DIVERSION
STORM DRAIN - PLAN AND PROFILE
STA. 7+83.94 to STA. 20+50.00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
AMAFCA					

PROJECT NO. ~~3324.0~~ 5865.81 | MAPZ-K9/ NO. Z-K10 | SHEET 3 OF 25

DWG: T:\PROJECTS\TEMP\DWG\3324\3324SDA1
TIME: 11-18-96 10:18:19



RECORD DRAWING

I, Charles M. Easterling, hereby certify that these drawings have been revised in accordance with the information furnished by Surv-Tek, Inc. to reflect the construction as actually accomplished.

Charles M. Easterling, P.E.
N.M.P.E. No. 6411
Date: 5-8-97

NOTES:

1. THE CONTRACTOR WILL BE REQUIRED TO CONFINE HIS WORK TO THE EASEMENT LIMITS AND PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL NOT DISTURB THE FENCE LOCATED ALONG PORTIONS OF THE SOUTH LINE OF THE DRAINAGE EASEMENT.
2. REINFORCED CONCRETE PIPE WYES, REDUCERS AND PLUGS SHALL BE FACTORY FABRICATED.
3. THE MINIMUM BEDDING CLASS FOR ALL STORM DRAIN CONSTRUCTION SHALL BE CLASS "B". NATIVE MATERIALS COMFORMING TO THE CRITERIA FOR CLASS II OR CLASS III SOILS SHALL BE USED TO CONSTRUCT THE REQUIRED GRANULAR FOUNDATION. BEDDING FOR STORM DRAIN 50 LF IMMEDIATELY DOWNSTREAM OF EACH POND OUTLET STRUCTURE SHALL BE "LEAN FILL". THE "LEAN FILL" SHALL BE PLACED IN THE ZONE BETWEEN THE INVERT AND THE SPRING LINE OF THE PIPE IN ACCORDANCE WITH SECTION 207 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE NO.5. FOUNDATION AND BACKFILL MATERIAL SHALL BE COMPACTED TO A MINIMUM DENSITY OF 90% MAXIMUM DRY DENSITY PER ASTM D-1557.
4. STATIONING IS BASED ON THE CENTERLINE OF THE STORM DRAIN.

LEGEND

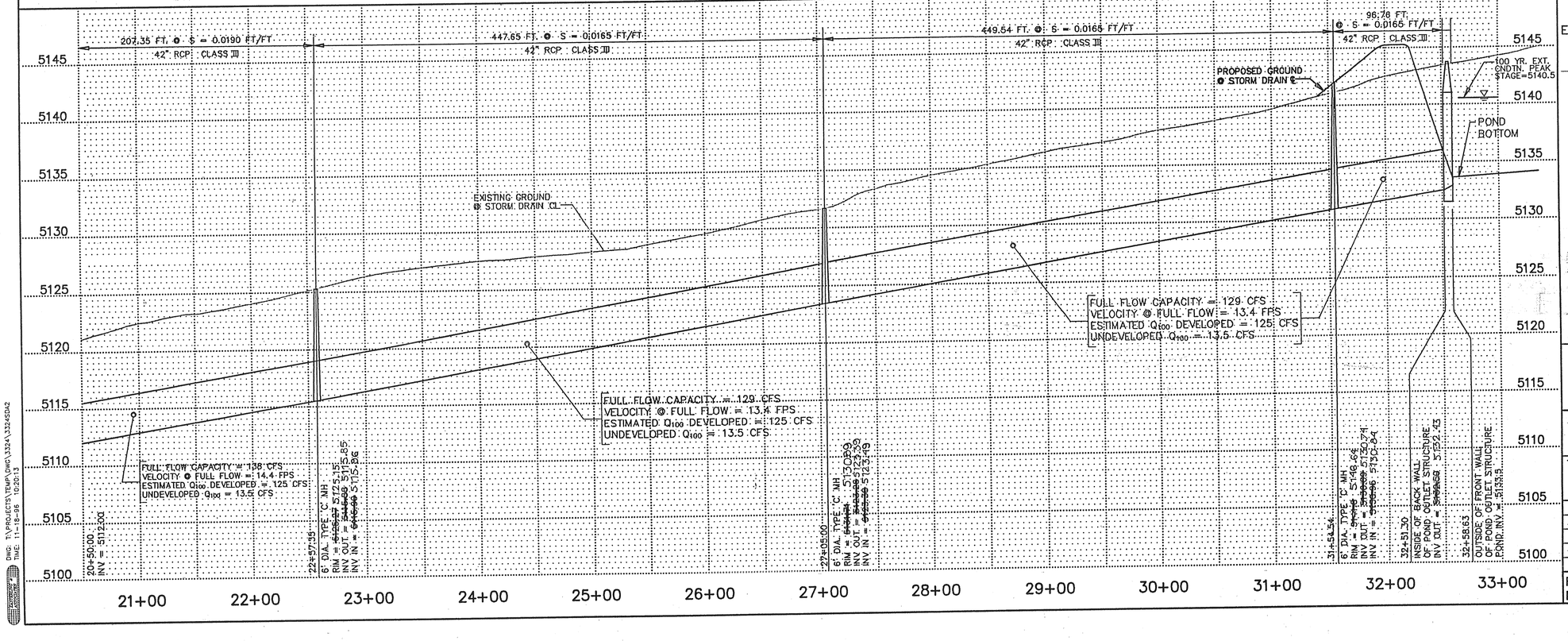
PROPOSED FEATURES

- 43.9 ⊕ SPOT ELEVATION
- 5135 CONTOUR
- SOIL CEMENT PAVING
- REINFORCED CONCRETE PAVING
- POND OUTLET STRUCTURE

EXISTING FEATURES

- ⊕49.8 SPOT ELEVATION
- 5150 CONTOUR

UNSER DIVERSION STORM DRAIN



DWG: T:\PROJECTS\TEMP\DWG\332A\3324SD42
TIME: 11-18-96 10:20:13

ENGINEERS SEAL
CHARLES M. EASTERLING
NEW MEXICO
PROFESSIONAL ENGINEER
11-21-96

AS BUILT INFORMATION
CONTRACTOR Triad Const. DATE
INSPECTOR'S ACCEPTANCE BY Surv-Tek, Inc. DATE
FIELD VERIFICATION BY C.S. Jaramillo DATE
DRAWING CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION NAME: 1-40-20A
N.M.S.H.C. BRASS TABLET LOCATED ON THE NORTH SIDE OF U.S. HWY. I-40 AND ABOUT 465' EAST OF UNSER BLVD. OVERPASS
NORTHING: 1,490,199.97
EASTING: 365,926.16
ELEVATION: 5165.89

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
TOPO	GEO SERVICE	4-93

NO.	DATE	REMARKS
		DESIGN
		DESIGNED BY VSF,JML DATE 10/93
		DRAWN BY JML,PMT,JMM DATE 10/93
		CHECKED BY VSF,CME DATE 9/94

26-5865.81 0401

SCALE: 1"=50' HORIZ.
1"= 5' VERT.

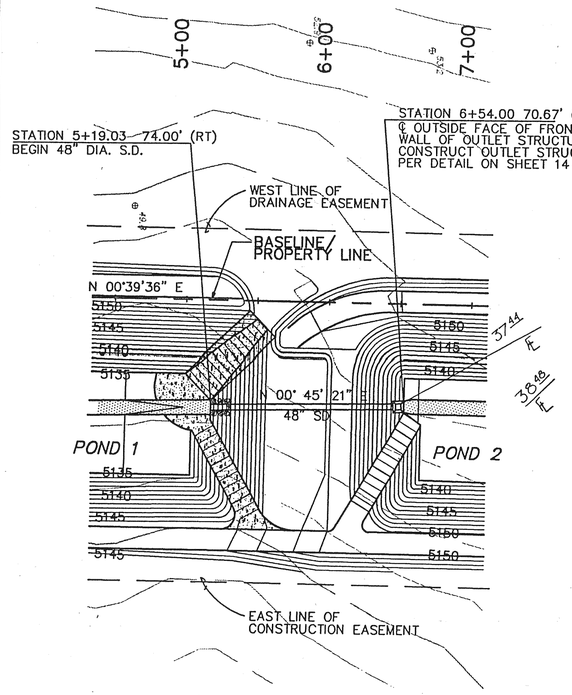
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ALBUQUERQUE, NEW MEXICO 87114
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ALBUQUERQUE METROPOLITON
ARROYO FLOOD CONTROL
AUTHORITY

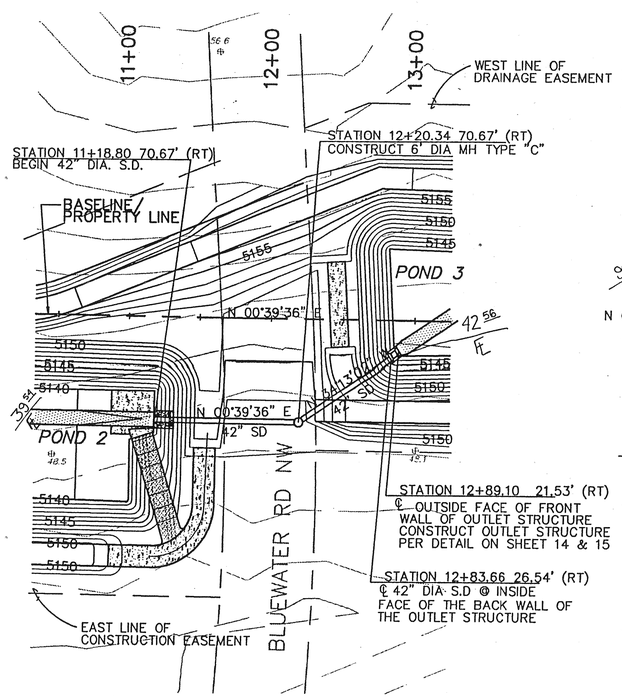
TITLE: UNSER DIVERSION
STORM DRAIN - PLAN AND PROFILE
STA. 20+50.00 to STA. 32+51.30

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
AMAFCA					

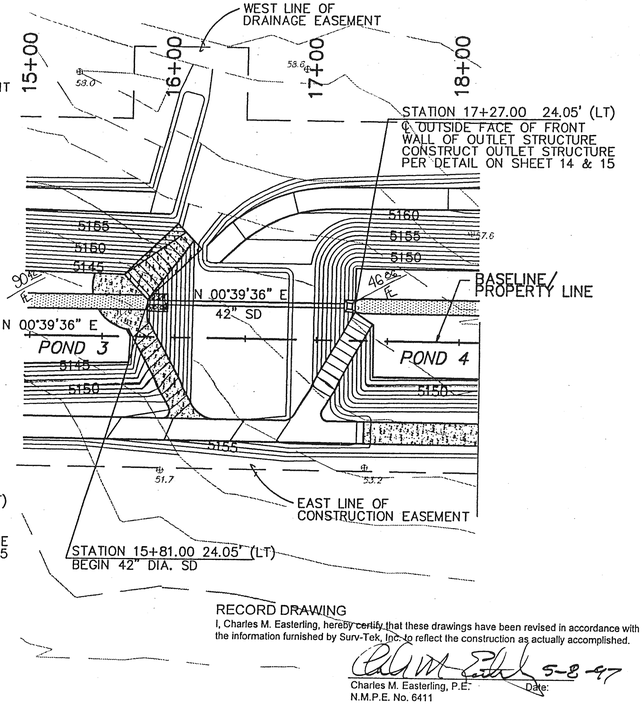
PROJECT NO. ~~3324.0~~ 5865.81
MAP NO. Z-K9
SHEET 4 OF 25



STORM DRAIN
STATION 5+19.00 TO STATION 6+54.00



STORM DRAIN
STATION 11+18.00 TO STATION 12+89.10



STORM DRAIN
STATION 15+81.00 TO STATION 17+27.00

RECORD DRAWING
I, Charles M. Easterling, hereby certify that these drawings have been revised in accordance with the information furnished by Surv-Tek, Inc. to reflect the construction as actually accomplished.

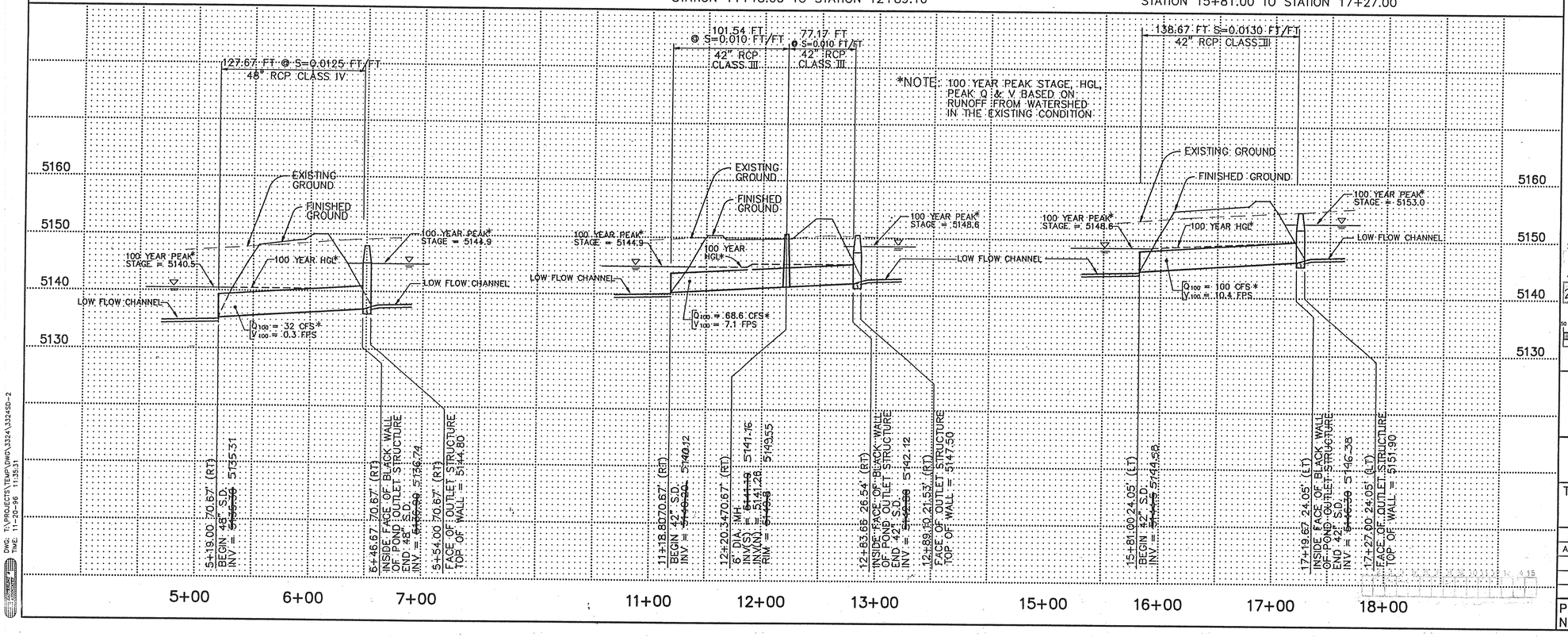
Charles M. Easterling, P.E. Date: 5-8-97
N.M.P.E. No. 6411

NOTES
1. THE MINIMUM BEDDING CLASS FOR ALL STORM DRAIN CONSTRUCTION SHALL BE CLASS "B". NATIVE MATERIALS CONFORMING TO THE CRITERIA FOR CLASS II OR CLASS III SOILS SHALL BE USED TO CONSTRUCT THE REQUIRED GRANULAR FOUNDATION. WITHIN THE 50 LF REACH IMEDIATELY DOWNSTREAM FROM EACH POND OUTLET THE BEDDING MATERIAL PLACED IN THE ZONE BETWEEN THE INVERT AND THE HAUNCH OF THE PIPE SHALL BE "LEAN FILL" CONFORMING TO THE REQUIREMENTS OF SECTION 207 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMMENDED THROUGH UPDATE No. 5. FOUNDATION AND BACKFILL MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 90% MAXIMUM DRY DENSITY PER ASTM D-1557. EXCEPT FOR THE FOLLOWING REACH:
   STA. 5+19 – 6+46
   STA. 11+19 – 12+83
   STA. 15+81 – 17+19
   WHICH SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DRY DENSITY PER ASTM D-1557.
2. SEE SHEETS 8 THRU 11 FOR PONDS 1 THRU 4 GRADING PLANS AND SECTIONS.
3. STATIONING FOR THE STORM DRAIN IS BASED ON THE BASELINE/PROPERTY LINE. THIS LINE IS THE WEST LINE OF THE ATRISCO BUSINESS PARK

LEGEND

PROPOSED FEATURES
- 43.9 ⊕ SPOT ELEVATION
- 5135 CONTOUR
- SOIL CEMENT PAVING
- REINFORCED CONCRETE PAVING
- BASE COURSE SURFACE
- POND OUTLET STRUCTURE

EXISTING FEATURES
- ⊕49.8 SPOT ELEVATION
- 5150 CONTOUR



VERT. 1 inch = 10 ft.
HORIZ. 1 inch = 50 ft.

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-7/8
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
WORK ACCEPTED BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

BENCH MARKS
STATION NAME: 1-40-20A
N.M.S.H.C. BRASS TABLET LOCATED ON THE NORTH SIDE OF U.S. HWY. I-40 ABOUT 465' EAST OF UNSER BLVD. OVERPASS

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
TOPO GEO SERVICE 4-93

ENGINEERS SEAL
CHARLES M. EASTERLING 12844 REGISTERED PROFESSIONAL ENGINEER
5-8-97

REVISIONS
NO. DATE REMARKS BY
DESIGN DATE 10/93 DESIGNED BY VSF
PLT. JMM DATE 10/93 DRAWN BY
VSF, RPB DATE 9/94 CHECKED BY

26-5865.81 050.1

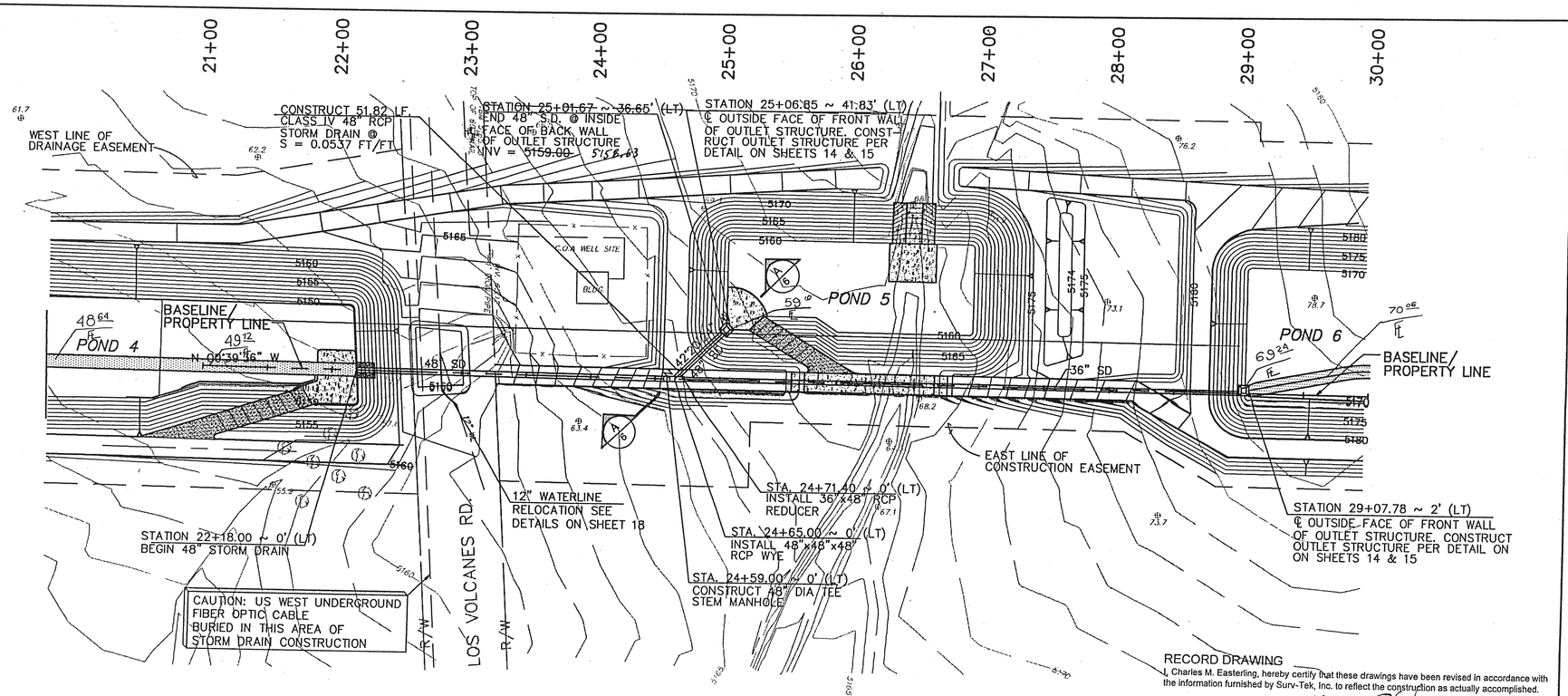
ALBUQUERQUE METROPOLITON
ARROYO FLOOD CONTROL
AUTHORITY

TITLE: UNSER DIVERSION
STORM DRAIN – POND CONNECTIONS
PLAN AND PROFILE

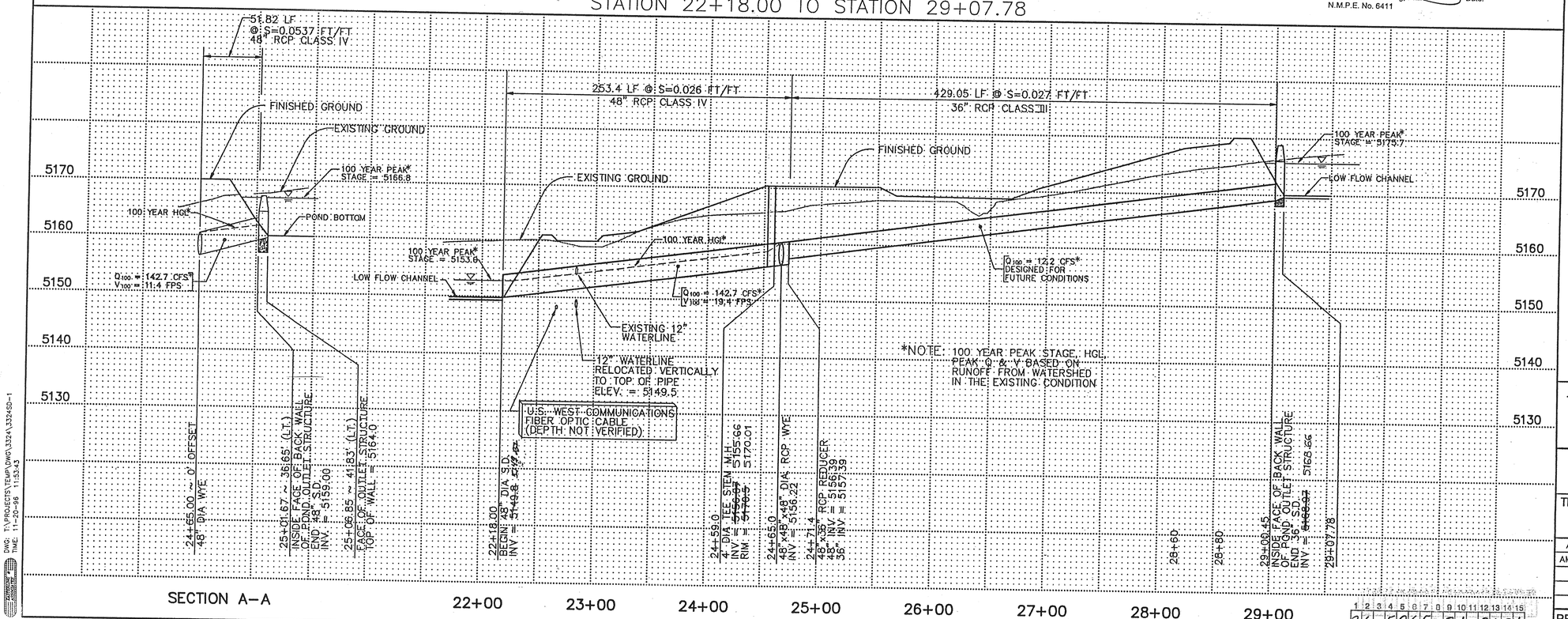
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
AMAFCA					

PROJECT NO. ~~3324.0~~ 5865.81
MAP NO. Z-J9 Z-K9
SHEET 5 OF 25

DWG: T:\PROJECTS\TEMP\DWG\3324\3324SD-2
TIME: 11-20-96 11:35:31



STORM DRAIN
STATION 22+18.00 TO STATION 29+07.78



RECORD DRAWING

I, Charles M. Easterling, hereby certify that these drawings have been revised in accordance with the information furnished by Surv-Tek, Inc. to reflect the construction as actually accomplished.

Charles M. Easterling, P.E. N.M.P.E. No. 6411 Date: 5-8-97

NOTES

1. THE MINIMUM BEDDING CLASS FOR ALL STORM DRAIN CONSTRUCTION SHALL BE CLASS "B". NATIVE MATERIALS CONFORMING TO THE CRITERIA FOR CLASS II OR CLASS III SOILS SHALL BE USED TO CONSTRUCT THE REQUIRED GRANULAR FOUNDATION. WITHIN THE 50 LF REACH IMMEDIATELY DOWNSTREAM FROM EACH POND OUTLET, THE BEDDING MATERIAL PLACED IN THE ZONE BETWEEN THE INVERT AND THE HAUNCH OF THE PIPE SHALL BE "LEAN FILL" CONFORMING TO THE REQUIREMENTS OF SECTION 207 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMMENDED THROUGH UPDATE NO. 5. FOUNDATION AND BACKFILL MATERIAL SHALL BE COMPACTED TO A MINIMUM DENSITY OF 90% MAXIMUM DRY DENSITY PER ASTM D-1557. EXCEPT FOR THE FOLLOWING REACH:
   STA. 28+00 – 29+00
   POND 5 OUTLET STAB
   WHICH SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DRY DENSITY PER ASTM D-1557.
2. SEE SHEETS 11, 12, AND 13 FOR POND 4, 5, AND 6 GRADING PLAN AND SECTIONS
3. STATIONING FOR THE STORM DRAIN IS BASED ON THE BASELINE/PROPERTY LINE. THIS LINE IS THE WEST LINE OF ATRISCO BUSINESS PARK UNIT 2.

LEGEND

PROPOSED FEATURES
- 43.9 ⊕ SPOT ELEVATION
- 5135 CONTOUR
- SOIL CEMENT PAVING
- REINFORCED CONCRETE PAVING
- BASE COURSE SURFACE
- POND OUTLET STRUCTURE

EXISTING FEATURES
- ⊕ 49.8 SPOT ELEVATION
- 5150 CONTOUR
- FENCE

GRAPHIC SCALE – VERTICAL
(IN FEET)
1 inch = 10 ft.

GRAPHIC SCALE – HORIZ
(IN FEET)
1 inch = 50 ft.

AS BUILT INFORMATION
BENCH MARKS
STATION NAME: 1-40-20A
N.M.S.H.C. BRASS TABLET LOCATED ON THE NORTH SIDE OF U.S. HWY. I-40 AND ABOUT 465' EAST OF UNSER BLVD.
OVERPASS

	CONTRACTOR	DATE
WORK STARTED BY		
INSPECTOR'S NAME		DATE
FIELD VERIFICATION BY		DATE
DRAWINGS CORRECTED BY		DATE

MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

NORTHING: 1,490,199.97
EASTING: 356,926.16
ELEVATION: 5165.89

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
TOPO	GEO SERVICE	04/93

ENGINEERS SEAL
CHARLES M. EASTERLING 6411 NEW MEXICO REGISTERED PROFESSIONAL ENGINEER
11-12-96

NO.	DATE	REMARKS
		REVISIONS
		DESIGN BY VSF 10/93
		DRAWN BY PMT,JMM 10/93
		CHECKED BY VSF,RPB 9/94

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-7/8
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

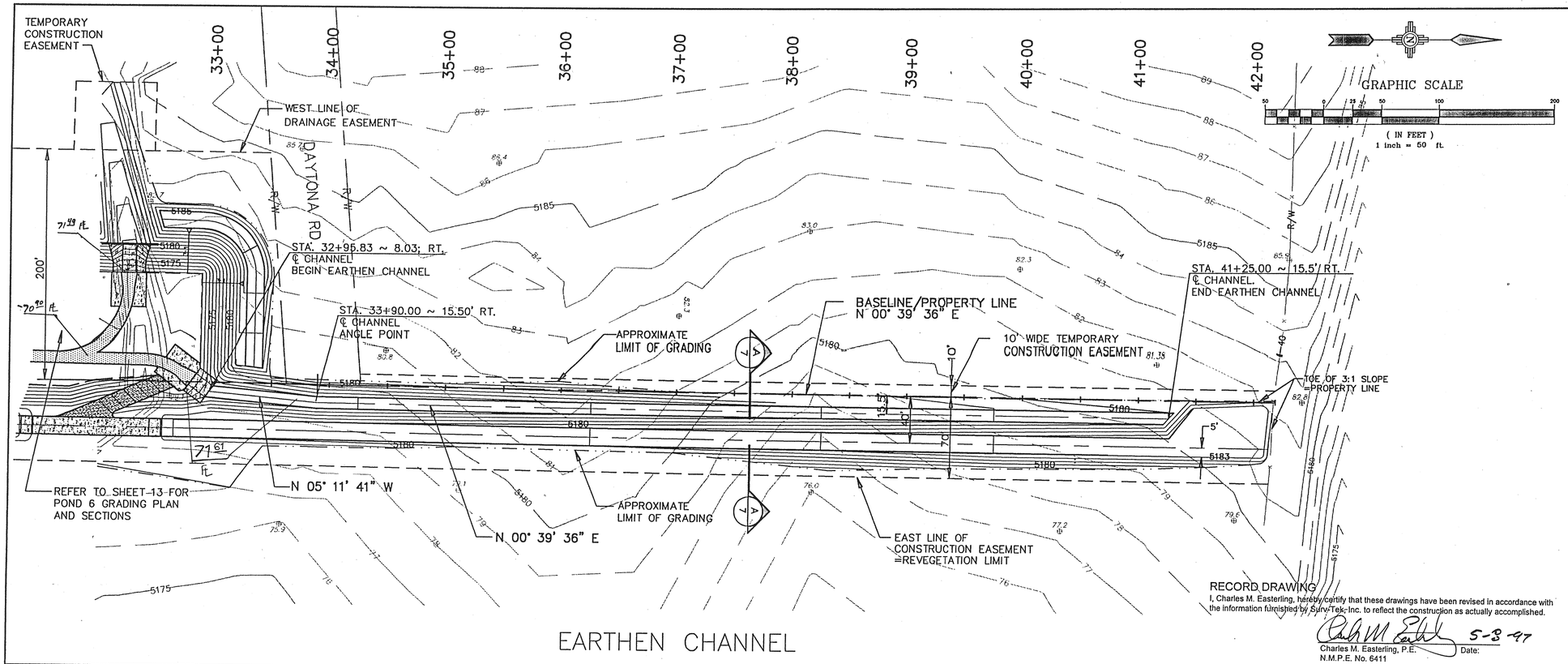
TITLE: UNSER DIVERSION
STORM DRAIN/POND CONNECTIONS
PLAN AND PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
AMAFCA			COA – HYD		

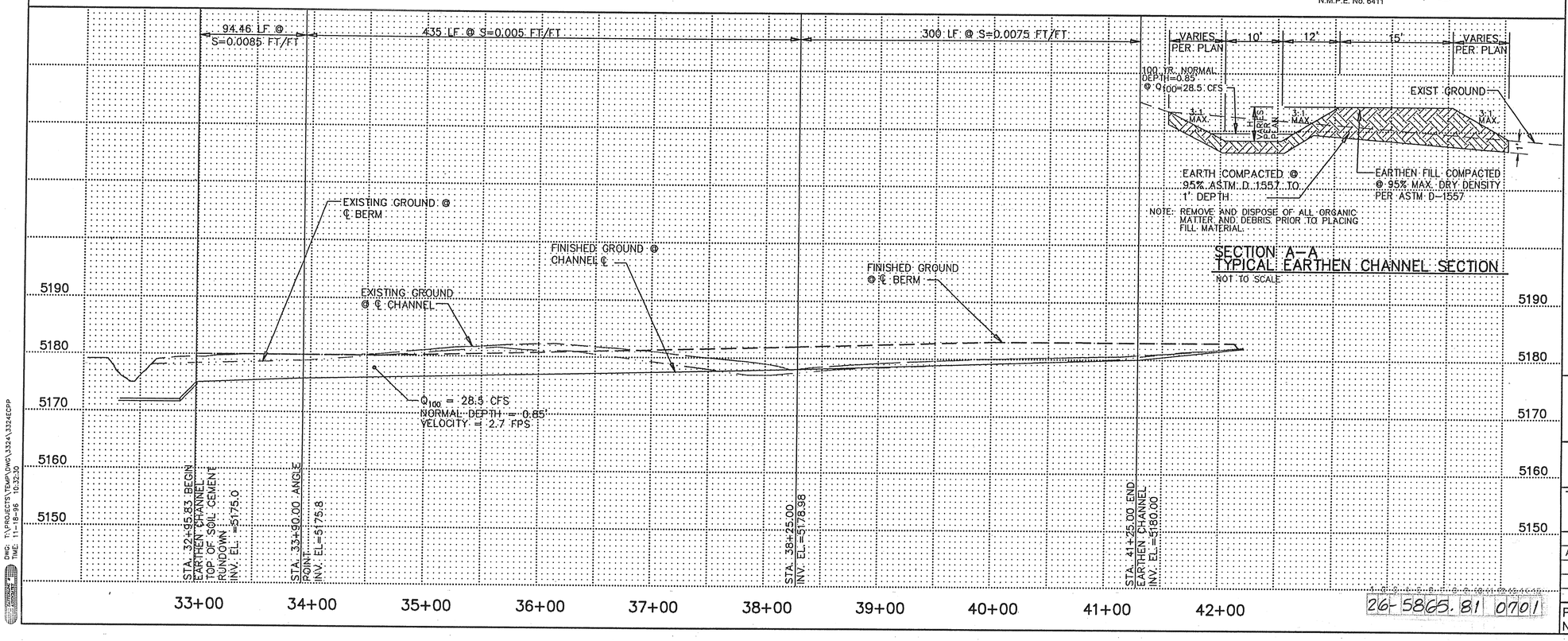
PROJECT NO. ~~3324.0~~ 5865.81
MAP NO. Z-K9
SHEET 6 OF 25

26-5865.81 0601

DWG: T:\PROJECTS\TYLER.DWG\3324\3324SD-1
TIME: 11-20-96 11:53:43



EARTHEN CHANNEL



NOTE: REMOVE AND DISPOSE OF ALL ORGANIC MATTER AND DEBRIS PRIOR TO PLACING FILL MATERIAL.

SECTION A-A
TYPICAL EARTHEN CHANNEL SECTION
NOT TO SCALE

NOTES:

1. STATIONING BASED ON BASELINE/PROPERTY LINE. THIS LINE IS THE WEST LINE OF THE ATRISCO BUSINESS PARK.

LEGEND

PROPOSED FEATURES

- 43.9 ⊕ — SPOT ELEVATION
- 5135 — CONTOUR
- SOIL CEMENT PAVING
- REINFORCED CONCRETE PAVING
- POND OUTLET STRUCTURE

EXISTING FEATURES

- ⊕ 49.8 — SPOT ELEVATION
- 5150 — CONTOUR

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
TOPO	GEO SERVICE	04-93

BENCH MARKS
STATION NAME: I-40-20A
N.M.S.H.C. BRASS TABLET LOCATED ON THE NORTH SIDE OF U.S. +HWY. I-40 AND ABOUT 465' EAST OF UNSER BLVD.
OVERPASS

AS BUILT INFORMATION
CONTRACTOR — DATE
SURVEYED BY — DATE
INSPECTOR'S CHANGE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.
NORTHING: 1,490,199.97
EASTING: 365,926.16
ELEVATION: 5165.89

ENGINEERS SEAL
CHARLES M. EASTERLING 5113 NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	VSF 10/93
		DRAWN BY	PMT,MM 10/93
		CHECKED BY	VSF,CME 9/94

SCALE: 1"=50' HORIZ.
1"=10' VERT.

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-7/8
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

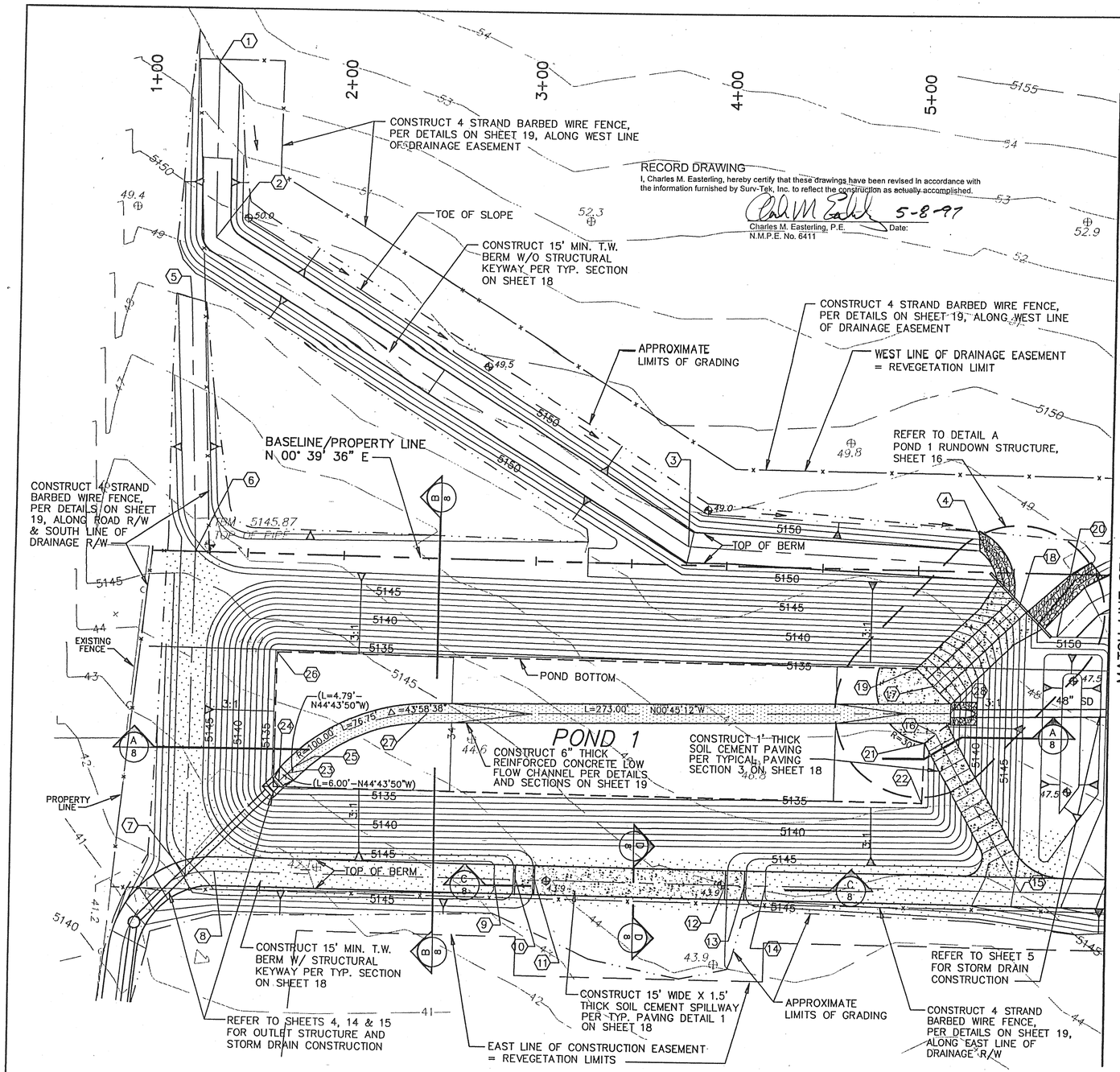
TITLE: UNSER DIVERSION
EARTHEN CHANNEL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
AMAFCA					

PROJECT NO. ~~3324.0~~ 5865.81
MAP NO. Z-K9
SHEET 7 OF 25

26-5865.81 0701

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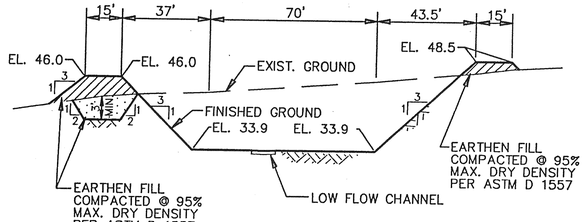
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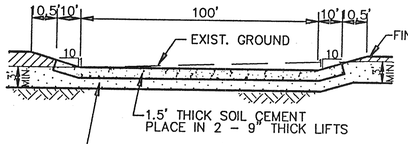
(IN FEET)
1 inch = 30 ft.

POND 1 POINT DATA

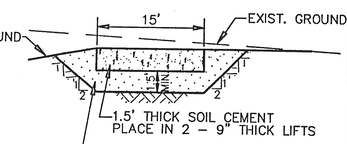
POINT NO.	I.D.	STATION	OFFSET (FT)	ELEVATION	POINT DESCRIPTION
1		1+27.9	255.8' LT	5152.0	℄ BERM @ DAYLIGHT
2		1+28.1	163.0' LT	5153.0	℄ BERM @ ANGLE POINT
3		3+79.5	9.5' LT	5152.0	℄ BERM @ ANGLE POINT
4		5+38.7	3.3' LT	5151.0	℄ BERM @ END TOP OF SLOPE
5		1+16.6	130.7' LT	5148.0	℄ BERM @ DAYLIGHT
6		1+22.5	0.0	5147.0	℄ BERM @ BASE LINE, END STRUCTURAL KEY WAY
7		1+22.5	167.9' RT	5145.4	℄ E/W BERM @ N/S BERM
8		1+37.5	165.5' RT	5146.0	℄ N/S BERM @ P.C.
9		2+83.3	165.5' RT	5146.0	℄ N/S BERN @ END TOP OF SLOPE
10		2+94.1	165.5' RT	5144.9	℄ SPILLWAY PAVING @ S. EDGE OF PAVING
11		3+04.1	165.5' RT	5143.9	℄ SPILLWAY PAVING @ TOE OF SLOPE
12		4+04.1	165.5' RT	5143.9	℄ SPILLWAY PAVING @ TOE OF SLOPE
13		4+14.1	165.5' RT	5144.9	℄ SPILLWAY PAVING @ N. EDGE OF PAVING
14		4+25.2	165.5' RT	5146.0	℄ N/S BERM @ END TOP OF SLOPE
15		5+58.1	165.5' RT	5148.1	℄ N/S BERM @ INT. W/ MAINT. RAMP
16		5+11.7	85.1' RT	5135.3	℄ MAINT. RAMP @ GRADE BREAK
17		5+09.7	60.1' RT	5135.3	℄ INLET STRUCTURE @ BOTTOM OF RUNDOWN
18		5+53.6	16.9' RT	5148.0	℄ INLET STRUCTURE @ N.W. FACE OF CUTOFF WALL
19		5+00.5	51.0' RT	5135.3	W. EDGE OF POND BOTTOM @ EDGE OF SOIL CEMENT PAVING
20		5+73.3	32.9' RT	5151.0	℄ BERM @ END TOP OF SLOPE
21		5+05.8	89.9' RT	5435.3	N. EDGE OF POND BOTTOM @ EDGE OF SOIL CEMENT PAVING
22		5+05.2	121.0' RT	5135.3	N.E. CORNER OF POND BOTTOM
23		1+74.02	113.88' RT	5133.30	℄ LOW FLOW CHANNEL @ END OF TRANSITION
24		1+69.8	118.2' RT	5133.00	℄ LOW FLOW CHANNEL @ FACE OF OUTLET STRUCTURE
25		1+77.39	110.47 RT	5133.32	℄ LOW FLOW CHANNEL @ B.C.
26		1+67.0	51.0' RT	5133.7	S.W. CORNER OF POND BOTTOM
27		2+46.11	80.73' RT	5433.71	℄ LOW FLOW CHANNEL @ E.C.
28		5+19.03	74.00' RT	5435.10	℄ LOW FLOW CHANNEL @ END OF OF STORM DRAIN



SECTION B–B
SCALE: 1" = 30' HORIZ.
1" = 10' VERT.



SECTION C–C
1" = 10' VERT.
SCALE: 1" = 30' HORIZ.



SECTION D–D
SCALE: 1" = 10' HORIZ.
1" = 5' VERT.

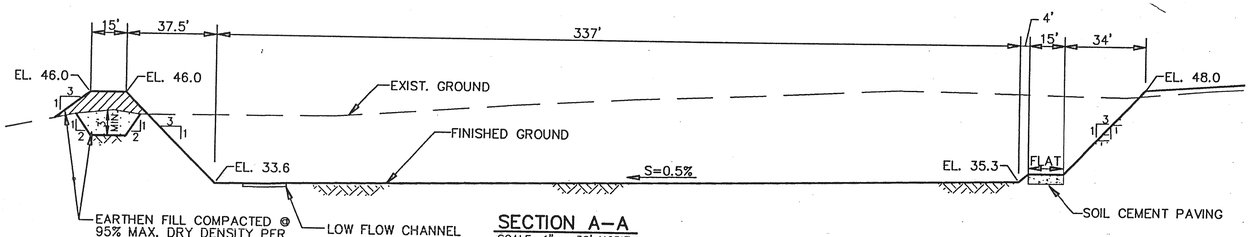
LEGEND

PROPOSED FEATURES

- 43.9 ⊕ — SPOT ELEVATION
- 5135 — CONTOUR
- RIPRAP
- SOIL CEMENT PAVING
- AREA TO BE OVEREXCAVATED FOR BERM STRUCTURAL KEYWAY
- REINFORCED CONCRETE PAVING
- COMPACTED EARTHEN FILL
- BASE COURSE SURFACE
- POND OUTLET STRUCTURE
- PIPE GATE (BY OTHERS)
- BARBED WIRE FENCE

EXISTING FEATURES

- ⊕49.8 — SPOT ELEVATION
- 5150 — CONTOUR



SECTION A–A
SCALE: 1" = 30' HORIZ.
1" = 10' VERT.

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWING CORRECTED BY DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION NAME: I-40-20A
N.M.S.H.C. BRASS TABLET LOCATED ON THE NORTH SIDE OF U.S. HWY. I-40 AND ABOUT 465' EAST OF UNSER BLVD. OVERPASS
NORTHING: 1,490,199.97
EASTING: 356,926.16
ELEVATION: 5165.89

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
TOPO	GEO SERVICE	04-93

ENGINEER'S SEAL
CHARLES M. EASTERLING 6411 REGISTERED PROFESSIONAL ENGINEER
12-12-11

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DESIGNED BY VSF DATE 10/93
			DRAWN BY PMT/JMM DATE 10/93
			CHECKED BY VSF/CME DATE 9/94

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-7/8
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

TITLE: UNSER DIVERSION
POND 1
GRADING PLAN AND SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
AMAFCA					

PROJECT NO. ~~3324.0~~ 5865.81
MAP NO. Z-K9
SHEET 8 OF 25

DWG: T:\PROJECTS\TEMP\DWG\3324\POND1
TIME: 11-20-98 12:01:23

MATCH LINE STA. 6+00.00
SHEET 8

MATCH LINE STA. 12+00.00
SHEET 10

7+00 8+00 9+00 10+00 11+00

REFER TO SHEETS 5, 14 & 15 FOR STORM DRAIN AND POND OUTLET STRUCTURE CONSTRUCTION

WEST LINE OF DRAINAGE EASEMENT= REVEGETATION LIMIT

BASELINE/PROPERTY LINE N 00° 39' 36" E

CONSTRUCT 15' T.W. BERM W/O STRUCTURAL KEYWAY PER TYPICAL BERM SECTION ON SHEET 18

CONSTRUCT 4 STRAND BARBED WIRE FENCE, PER DETAILS ON SHEET 19, ALONG WEST LINE OF DRAINAGE EASEMENT

CONSTRUCT 14' X' 12' X 1' THICK TYPE L RIPRAP OVER 1' THICK TYPE II GRAVEL FILTER

CONSTRUCT 4 STRAND BARBED WIRE FENCE, PER DETAILS ON SHEET 19, ALONG ROAD R/W

APPROXIMATE LIMIT OF GRADING

REFER TO SHEET 5 FOR STORM DRAIN CONSTRUCTION

TOP OF BERM

POND BOTTOM

L=458.00' N 00°39'36" E

48" SD

42" SD

L=6.00' N 00°39'36" E

CONSTRUCT 6" THICK REINFORCED CONCRETE LOW FLOW CHANNEL PER DETAILS AND SECTIONS ON SHEET 19

CONSTRUCT 6" THICK SOIL CEMENT PAVING PER TYP. PAVING DETAIL 2 ON SHEET 18

CONSTRUCT 6" CLASS II-B BASE COURSE COMPACTED @ 95% MAX. DRY DENSITY OVER 12" THICK SUBGRADE COMPACTED @ 95% MAX. DRY DENSITY PER ASTM D-1557

POND 2

TOP OF BERM

Δ = 90°39'36"
R = 36.50'
L = 57.75'

CONSTRUCT 15' T.W. BERM W/ STRUCTURAL KEYWAY PER TYPICAL BERM SECTION ON SHEET 18

APPROXIMATE LIMIT OF GRADING

CONSTRUCT 4 STRAND BARBED WIRE FENCE, PER DETAILS ON SHEET 19, ALONG EAST LINE OF DRAINAGE R/W

CONSTRUCT 15' WIDE X 1.5' THICK SOIL CEMENT SPILLWAY PER TYP. PAVING SECTION 1 ON SHEET 18.

EAST SIDE OF CONSTRUCTION EASEMENT= REVEGETATION LIMIT

R/W

BLUEWATER RD.

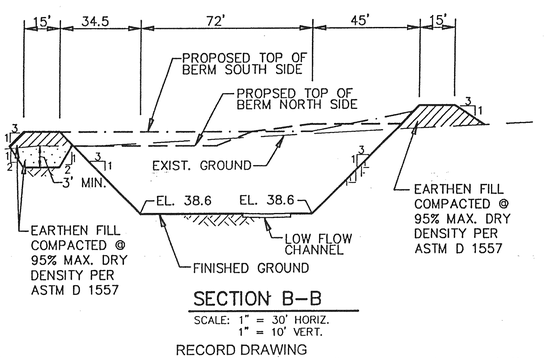
GRAPHIC SCALE

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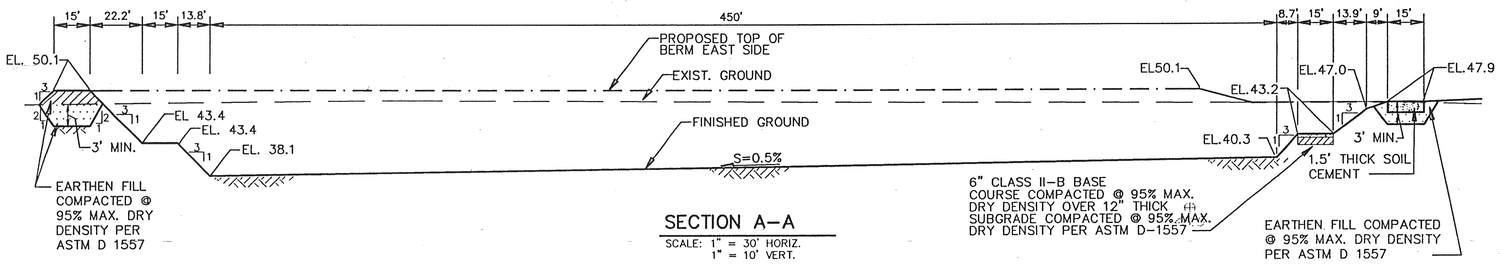
(IN FEET)
1 inch = 30 ft.

POND 2 POINT DATA

POINT I.D. NO.	STA.	OFFSET (FT)		ELEV.	POINT DESCRIPTION
1	6+21.5	0.0		5152.5	P.I. OF BERM
2	6+08.4	17.7'	RT	5152.0	℄ OF BERM, END OF STRUCTURAL KEY WAY
3	6+10.2	165.5'	RT	5150.1	P.I. OF BERMS AND MAINT. RAMP
4	6+54.0	51.0'	RT	5138.0	S.W. CORNER OF POND BOTTOM
5	6+54.0	70.67'	RT	5137.40	℄ LOW FLOW CHANNEL @ FACE OF OUTLET
6	6+60.23	78.9'	RT	5138.0	℄ MAINT. RAMP @ END OF RAMP
7	6+60.00	70.67'	RT	5137.70	℄ LOW FLOW CHANNEL @ END OF TRANSITION
8	6+66.2	82.7'	RT	5138.0	SOUTH EDGE OF POND BOTTOM @ EDGE OF MAINTENANCE RAMP
9	6+66.0	121.1'	RT	5138.1	S.E. CORNER OF POND BOTTOM
10	10+37.6	1.4'	LT	5154.8	P.I. ℄ OF BERM
11	11+58.3	20.3'	RT	5151.3	℄ OF BERM, END OF STRUCTURAL KEY WAY
12	NOT USED				
13	11+11.3	84.1'	RT	5141.0	℄ MAINTENANCE RAMP @ EDGE OF SOIL CEMENT PAVING
14	11+55.2	89.4'	RT	5149.0	℄ OF SPILLWAY PAVING & BERM @ EDGE OF PAVING
15	11+02.3	128.0'	RT	5140.3	N.E. CORNER OF POND BOTTOM
16	11+55.6	128.6'	RT	5147.9	℄ OF SPILLWAY PAVING @ P.T.
17	11+19.1	165.5'	RT	5147.9	℄ OF SPILLWAY PAVING @ P.T.
18	10+89.1	165.5'	RT	5149.0	℄ OF SPILLWAY PAVING & BERM @ EDGE OF PAVING
19	NOT USED				
20	11+18.8	51.0'	RT	5140.3	N.W CORNER OF POND BOTTOM/SOIL CEMENT PAVING
21	10+88.7	51.0'	RT	5140.2	W. EDGE OF POND BOTTOM @ S. EDGE OF SOIL CEM. PAV.
22	11+03.3	78.6'	RT	5140.2	N. EDGE OF POND BOTTOM @ E. EDGE OF SOIL CEM. PAV.
23	11+18.80	70.67'	RT	5140.05	℄ LOW FLOW CHANNEL @ END OF STORM DRAIN
24	10+88.76	83.7'	RT	5140.2	S.E. CORNER OF SOIL CEMENT PAVING
25	11+09.0	77.2'	RT	5140.3	℄ OF MAINT. RAMP @ END OF RAMP
26	11+36.9	160.9'	RT	5147.9	℄ OF MAINT. RAMP @ ℄ OF SPILLWAY



SECTION B-B
SCALE: 1" = 30' HORIZ.
1" = 10' VERT.



SECTION A-A
SCALE: 1" = 30' HORIZ.
1" = 10' VERT.

LEGEND

PROPOSED FEATURES
- 43.9 ⊕ SPOT ELEVATION
- 5135 CONTOUR
- RIPRAP
- SOIL CEMENT PAVING
- AREA TO BE OVEREXCAVATED FOR BERM STRUCTURAL KEYWAY
- REINFORCED CONCRETE PAVING
- COMPACTED EARTHEN FILL
- BASE COURSE SURFACE
- POND OUTLET STRUCTURE
- PIPE GATE(BY OTHERS)
- BARBED WIRE FENCE

EXISTING FEATURES
- ⊕ 49.8 SPOT ELEVATION
- 5150 CONTOUR

RECORD DRAWING
I, Charles M. Easterling, hereby certify that these drawings have been revised in accordance with the information furnished by Surv-Tek, Inc. to reflect the construction as actually accomplished.

Charles M. Easterling, P.E. N.M.P.E. No. 6411 — Date: 5-8-97

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-5865.81 0001

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-7/8
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

TITLE: UNSER DIVERSION
POND 2
GRADING PLAN AND SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
AMAFCA					

PROJECT NO. ~~5324.0~~ 5865.81 | MAP NO. Z-K9 | SHEET 9 OF 25

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STARTED BY — DATE
INSPECTORS ACCEPTANCE BY — DATE
FINAL VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
STATION NAME: 1-40-2A
N.M.S.H.C. BRASS TABLET LOCATED ON THE NORTH SIDE OF U.S. HWY 1-40 AND ABOUT 465' EAST OF UNSER BLVD. OVERPASS
NORTHING: 1,490,199.97
EASTING: 385,926.16
ELEVATION: 5165.89

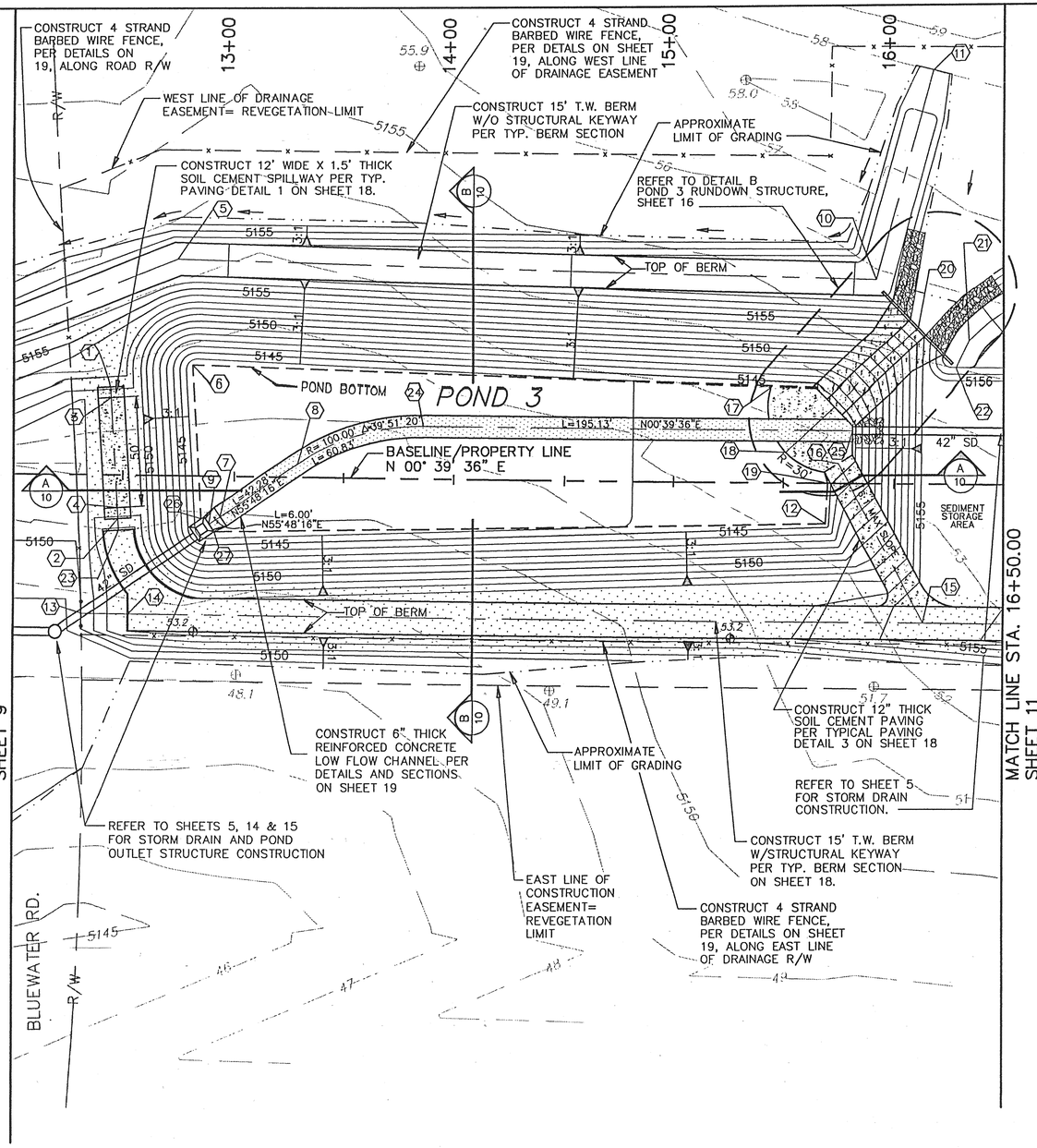
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FIELD NOTES

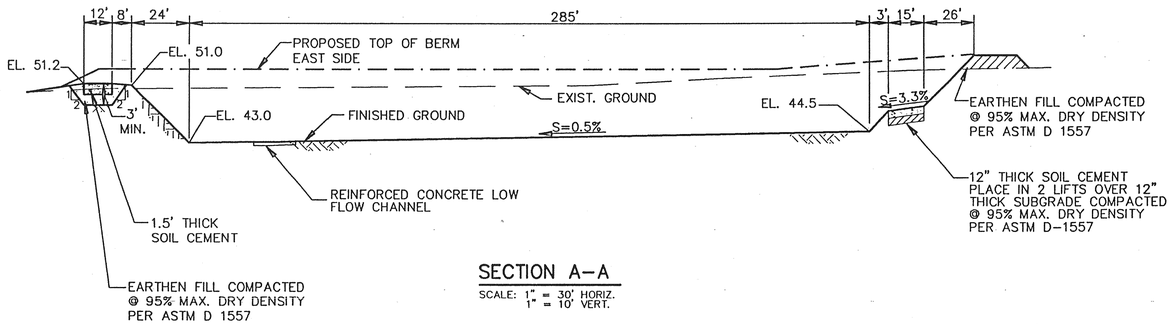
NO.	BY	DATE
TOPO	GEO SERVICE	4-93

ENGINEERS SEAL
NEW MEXICO — CHARLES M. EASTERLING — 6411 — REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	VSF
		DESIGNED BY VSF	DATE 10/93
		DRAWN BY PMT,JMM	DATE 10/93
		CHECKED BY VSF,CME	DATE 9/94

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SECTION A–A

SCALE: 1" = 30' HORIZ.
1" = 10' VERT.

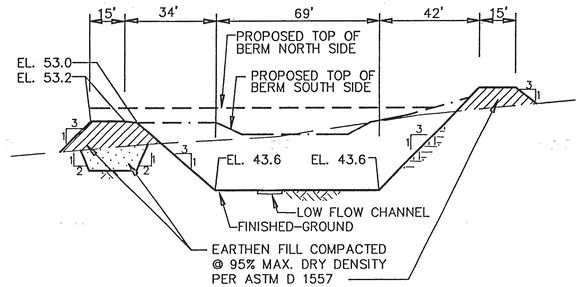
GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

POND 3 POINT DATA

POINT NO.	I.D.	STA.	OFFSET (FT)		ELEV.	POINT DESCRIPTION
1		12+43.9	40.3'	LT	5152.2	℄ SPILLWAY PAVING @ W. EDGE OF PAVING
2		12+48.0	19.6'	RT	5152.2	℄ SPILLWAY PAVING @ E. EDGE OF PAVING
3		12+44.2	35.3'	LT	5151.2	℄ SPILLWAY @ W. TOE OF SLOPE
4		12+47.7	14.6'	RT	5151.2	℄ SPILLWAY @ E. TOE OF SLOPE
5		12+73.4	99.3'	LT	5156.9	P.I., ℄ OF BERM
6		12+80.7	50.0'	LT	5143.3	S.W. CORNER OF POND BOTTOM
7		12+94.02	18.10'	RT	5142.80	℄ LOW FLOW CHANNEL @ END OF TRANSITION
8		13+28.72	6.06'	LT	5143.01	℄ LOW FLOW CHANNEL @ B.C.
9		12+89.10	21.53'	RT	5142.50	℄ LOW FLOW CHANNEL @ FACE OF OUTLET STRUCTURE
10		15+91.0	93.2'	LT	5159.0	P.I., – ℄ OF BERM
11		16+15.5	189.4'	LT	5158.0	℄ BERM @ DAYLIGHT
12		15+69.1	18.1'	RT	5144.5	N.E. CORNER OF POND BOTTOM
13		12+32.2	62.5'	RT	5150.0	℄ BERM @ R/W LINE
14		12+53.4	62.5'	RT	5153.2	℄ BERM @ TOP OF SLOPE
15		16+14.2	62.5'	RT	5155.3	℄ BERM AND MAINT. RAMP
16		15+74.7	8.9'	LT	5144.5	℄ MAINT. RAMP @ EDGE OF POND BOTTOM
17		15+43.9	43.7'	LT	5144.5	W. EDGE OF POND BOTTOM @ EDGE OF SOIL CEMENT PAVING
18		15+50.9	14.0'	LT	5144.5	℄ INLET STRUCTURE @ S.E. EDGE OF SOIL CEMENT PAVING
19		15+69.8	0.0		5144.5	N. EDGE OF POND BOTTOM
20		16+10.2	71.2'	LT	5155.0	℄ INLET STRUCTURE @ FACE OF CUTOFF WALL
21		16+33.5	65.3'	LT	5158.5	℄ OF BERM @ ANGLE POINT
22		16+27.8	52.5'	LT	5158.0	℄ OF BERM @ END TOP OF SLOPE
23		12+48.4	24.7'	RT	5153.2	℄ OF BERM @ END TOP OF SLOPE
24		13+85.87	24.00'	LT	5143.32	℄ LOW FLOW CHANNEL @ E.C.
25		15+81.00	24.00'	LT	5144.30	℄ LOW FLOW CHANNEL @ END OF STORM DRAIN
26		12+85.5	19.2'	RT	5143.0	S. EDGE OF POND BOTTOM @ EDGE OF OUTLET STRUCTURE
27		12+91.5	24.9'	RT	5143.0	E. EDGE OF POND BOTTOM @ E. EDGE OF OUTLET STRUCTURE



SECTION B–B

SCALE: 1" = 30' HORIZ.
1" = 10' VERT.

LEGEND

PROPOSED FEATURES

- 43.9 ⊕ SPOT ELEVATION
- 5135 CONTOUR
- RIPRAP
- SOIL CEMENT PAVING
- AREA TO BE OVEREXCAVATED FOR BERM STRUCTURAL KEYWAY
- REINFORCED CONCRETE PAVING
- COMPACTED EARTHEN FILL
- POND OUTLET STRUCTURE
- PIPE GATE(BY OTHERS)
- BARBED WIRE FENCE

EXISTING FEATURES

- 49.8 ⊕ SPOT ELEVATION
- 5150 CONTOUR

RECORD DRAWING

I, Charles M. Easterling, hereby certify that these drawings have been revised in accordance with the information furnished by Surv-Tek, Inc. to reflect the construction as actually accomplished.

5-8-97
Charles M. Easterling, P.E. Date:
N.M.P.E. No. 6411

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-7/8
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: DATE
INSPECTED BY: DATE
ACCEPTANCE BY: DATE
FIELD LOCATION BY: DATE
DRAWINGS CORRECTED BY: DATE

MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.

BENCH MARKS
STATION NAME: 1-40-20A
N.M.S.H.C. BRASS TABLET LOCATED ON THE NORTH SIDE OF U.S. HWY. I-40 AND ABOUT 465' EAST OF UNSER BLVD. OVERPASS
NORTHING: 1,490,199.97
EASTING: 365,926.16
ELEVATION: 5165.89

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
TOPO	GEO SERVICE	04-93

ENGINEERS SEAL
CHARLES M. EASTERLING
NEW MEXICO
13121
REGISTERED PROFESSIONAL ENGINEER
11-27-96

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY VSF DATE 10/93	
		DRAWN BY PMT,JMM DATE 10/93	
		CHECKED BY VSF,CME DATE 9/94	

ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

TITLE: UNSER DIVERSION
POND 3
GRADING PLAN AND SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
AMAFCA					

PROJECT NO. ~~3324.0~~ 5865.81
MAP NO. Z-K9
SHEET 10 OF 25

DWG: T:\PROJECTS\TEMP\DWG\3324\POND3
TIME: 11-18-96 10:37:55

MATCH LINE STA. 16+50.00
SHEET 10

MATCH LINE STA. 24+00.00
SHEET 12

17+00 18+00 19+00 20+00 21+00 22+00 23+00

REFER TO SHEET 5 FOR STORM DRAIN AND POND OUTLET CONSTRUCTION

WEST LINE OF DRAINAGE EASEMENT=REVEGETATION LIMIT

APPROXIMATE LIMIT OF GRADING

CONSTRUCT 15' T.W. BERM W/O STRUCTURAL KEYWAY PER TYP. BERM SECTION ON SHEET 18

CONSTRUCT 4 STRAND BARBED WIRE FENCE, PER DETAILS ON SHEET 19, ALONG WEST LINE OF DRAINAGE EASEMENT

APPROXIMATE LIMIT OF GRADING

TBM 5165.35
TOP OF NAIL

CONSTRUCT 4 STRAND BARBED WIRE FENCE, PER DETAILS ON SHEET 19, ALONG ROAD R/W

TOP OF BERM

EXISTING 12" WATERLINE

C.O.A. WELL SITE

L=6.00'
N5°41'38"E

CONSTRUCT 6" THICK REINFORCED CONCRETE LOW FLOW CHANNEL PER DETAILS AND SECTIONS ON SHEET 19

POND 4

POND BOTTOM

CONSTRUCT 6" THICK SOIL CEMENT PAVING PER TYP. PAVING DETAIL 2 ON SHEET 18

6" THICK CLASS II-B BASE COMPACTED @ 95% MAX. DRY DENSITY OVER 12" SUBGRADE @ 95% DRY DENSITY PER ASTM D-1557

L=263.66' N5°41'38"E

L=213.60' N00°39'36"E

42" SD

48" SD

N 00° 39' 36" E

BASE LINE / PROPERTY LINE

R = 100.00'
L = 8.79'
Δ=5°02'02"

SEDIMENT STORAGE AREA

10:1 MAX SLOPE

TOP OF BERM

REFER TO SHEET 6 FOR STORM DRAIN CONSTRUCTION

EXISTING 12" WATERLINE

APPROXIMATE LIMIT OF GRADING

LOS VOLCANES RD.

R/W

EAST LINE OF CONSTRUCTION EASEMENT=REVEGETATION LIMIT

CONSTRUCT 15' WIDE X 1.5' THICK SOIL CEMENT SPILLWAY PER TYP. PAVING DETAIL 1 ON SHEET 18

APPROXIMATE LIMIT OF GRADING

CONSTRUCT 15' T.W. BERM W/STRUCTURAL KEYWAY PER TYP. BERM SECTION ON SHEET 18

CONSTRUCT 4 STRAND BARBED WIRE FENCE, PER DETAILS ON SHEET 19, ALONG DRAINAGE R/W LINE

CONSTRUCT 12' X 14' X 1' THICK TYPE L RIP RAP OVER 1' THICK TYPE II GRAVEL FILTER

CAUTION: US WEST UNDERGROUND FIBER OPTIC CABLE BURIED IN THIS AREA OF STORM DRAIN CONSTRUCTION

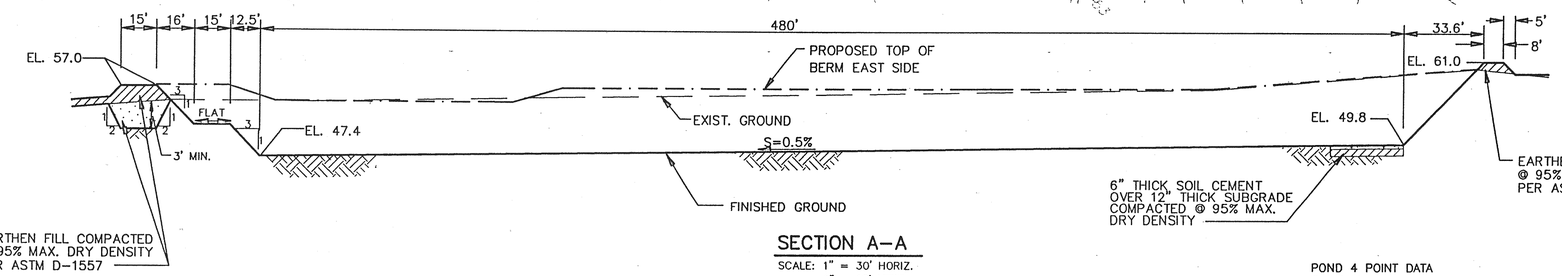
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PROPOSED FEATURES

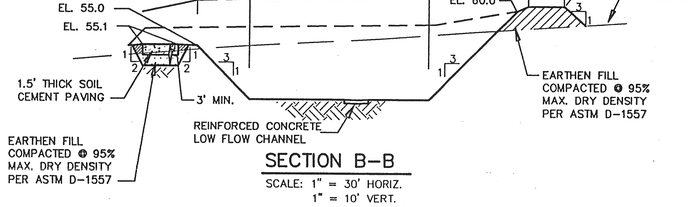
- 43.9 ⊕ SPOT ELEVATION
- 5135 CONTOUR
- RIPRAP
- SOIL CEMENT PAVING
- AREA TO BE OVEREXCAVATED FOR BERM STRUCTURAL KEYWAY
- REINFORCED CONCRETE PAVING
- COMPACTED EARTHEN FILL
- BASE COURSE SURFACE
- POND OUTLET STRUCTURE
- PIPE GATE(BY OTHERS)
- BARBED WIRE FENCE

EXISTING FEATURES

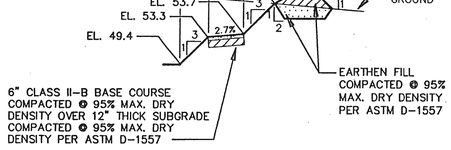
- ⊕49.8 SPOT ELEVATION
- —5150— CONTOUR



SECTION A-A
SCALE: 1" = 30' HORIZ.
1" = 10' VERT.



SECTION B-B
SCALE: 1" = 30' HORIZ.
1" = 10' VERT.



SECTION C-C
SCALE: 1" = 30' HORIZ.
1" = 10' VERT.

POND 4 POINT DATA

POINT NO.	I.D.	STA.	OFFSET (FT)		ELEV.	POINT DESCRIPTION
	1	16+76.4	98.1'	LT	5159.9	P.I. ℄ OF BERM
	2	21+25.0	102.8'	LT	5164.4	P.I. ℄ OF BERM
	3	23+27.8	139.8'	LT	5168.1	P.I. ℄ OF BERM
	4	16+89.8	69.2'	LT	5159.0	℄ OF BERM @ END OF KEY WAY
	5	16+91.3	62.5'	RT	5157.0	℄ OF E/W & N/S BERMS
	6	16+91.3	57.0'	RT	5157.0	℄ E/W BERM & MAINT. RAMP
	7	17+40.0	62.5'	RT	5156.1	℄ BERM & SPILLWAY PAVING @ S. EDGE OF PAVING
	8	17+50.0	62.5'	RT	5155.1	℄ SPILLWAY PAVING @ TOE OF SLOPE
	9	18+50.0	62.5'	RT	5155.1	℄ SPILLWAY PAVING @ TOE OF SLOPE
	10	18+60.0	62.5'	RT	5156.1	℄ BERM & SPILLWAY PAVING @ N. EDGE OF PAVING
	11	22+66.9	62.5'	RT	5160.4	℄ N/S BERM @ R/W LINE
	12	17+27.0	50.0'	LT	5147.4	S.W. CORNER OF POND BOTTOM
	13	17+27.00	24.05'	LT	5146.80	℄ LOW FLOW CHANNEL @ FACE OF OUTLET STRUCTURE
	14	20+56.8	25.1'	RT	5149.0	E. EDGE OF POND BOTTOM @ ANGLE POINT
	15	17+33.2	15.8'	LT	5147.3	℄ OF MAINT. RAMP @ EDGE OF SOIL CEMENT PAVING
	16	17+39.4	11.6'	LT	5147.3	N. EDGE OF MAINT. RAMP @ EDGE OF SOIL CEMENT PAVING
	17	17+32.98	23.52'	LT	5147.10	℄ LOW FLOW CHANNEL @ END OF TRANSITION
	18	17.40.5	25.0'	RT	5147.4	S.E. CORNER OF POND BOTTOM
	19	22+14.2	49.1'	LT	5149.8	N.W. CORNER OF POND BOTTOM
	20	22+19.7	24.1'	RT	5149.8	N.E. CORNER OF POND BOTTOM/ N.E. CORNER OF SOIL CEMENT PAVING
	21	21+88.8	15.0'	LT	5149.7	S.W. CORNER OF SOIL CEMENT PAVING
	22	21+89.4	17.2'	RT	5149.7	℄ MAINT. RAMP @ GRADE BREAK
	23	18+70.0	62.5'	RT	5157.0	℄ N/S BERM END TOP OF SLOPE
	24	17+30.0	62.5'	RT	5157.0	℄ N/S BERM END TOP OF SLOPE
	25	20+53.1	62.5'	RT	5158.2	℄ OF MAINT. RAMP @ ℄ OF BERM
	26	20+98.6	11.7'	RT	5149.2	E. EDGE OF POND BOTTOM @ ANGLE POINT
	27	22+18.00	0.00		5149.60	℄ LOW FLOW CHANNEL @ END OF STORM DRAIN
	28	19+95.62	0.39'	LT	5148.45	℄ LOW FLOW CHANNEL @ B.C.
	29	20+04.40	0.00		5148.53	℄ LOW FLOW CHANNEL @ E.C.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-5865.81 1 1 1 01

RECORD DRAWING

I, Charles M. Easterling, hereby certify that these drawings have been revised in accordance with the information furnished by Surv-Tek, Inc. to reflect the construction as actually accomplished.

Charles M. Easterling, P.E.
N.M.P.E. No. 6411
Date: 5-8-97

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED ON DATE
SUBSTANTIAL COMPLETION OF WORKS DATE
ACCEPTANCE BY DATE
CERTIFICATION BY DATE
DRAWINGS PREPARED BY

BENCH MARKS
STATION NAME: I-40-20A
N.M.S.H.C. BRASS TABLET LOCATED ON THE NORTH SIDE OF U.S. HWY. I-40 AND ABOUT 465' EAST OF UNSER BLVD. OVERPASS

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

NORTHING: 1,490,199.97
EASTING: 365,926.16
ELEVATION: 5165.89

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
TOPO	GEO SERVICE	4-93

ENGINEERS SEAL
CHARLES M. EASTERLING
NEW MEXICO
6411
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY VSF	DATE 10/93
		DRAWN BY PMT/JMM	DATE 10/93
		CHECKED BY VSF/CME	DATE 9/94

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-7/8
ALBUQUERQUE, NEW MEXICO 87114
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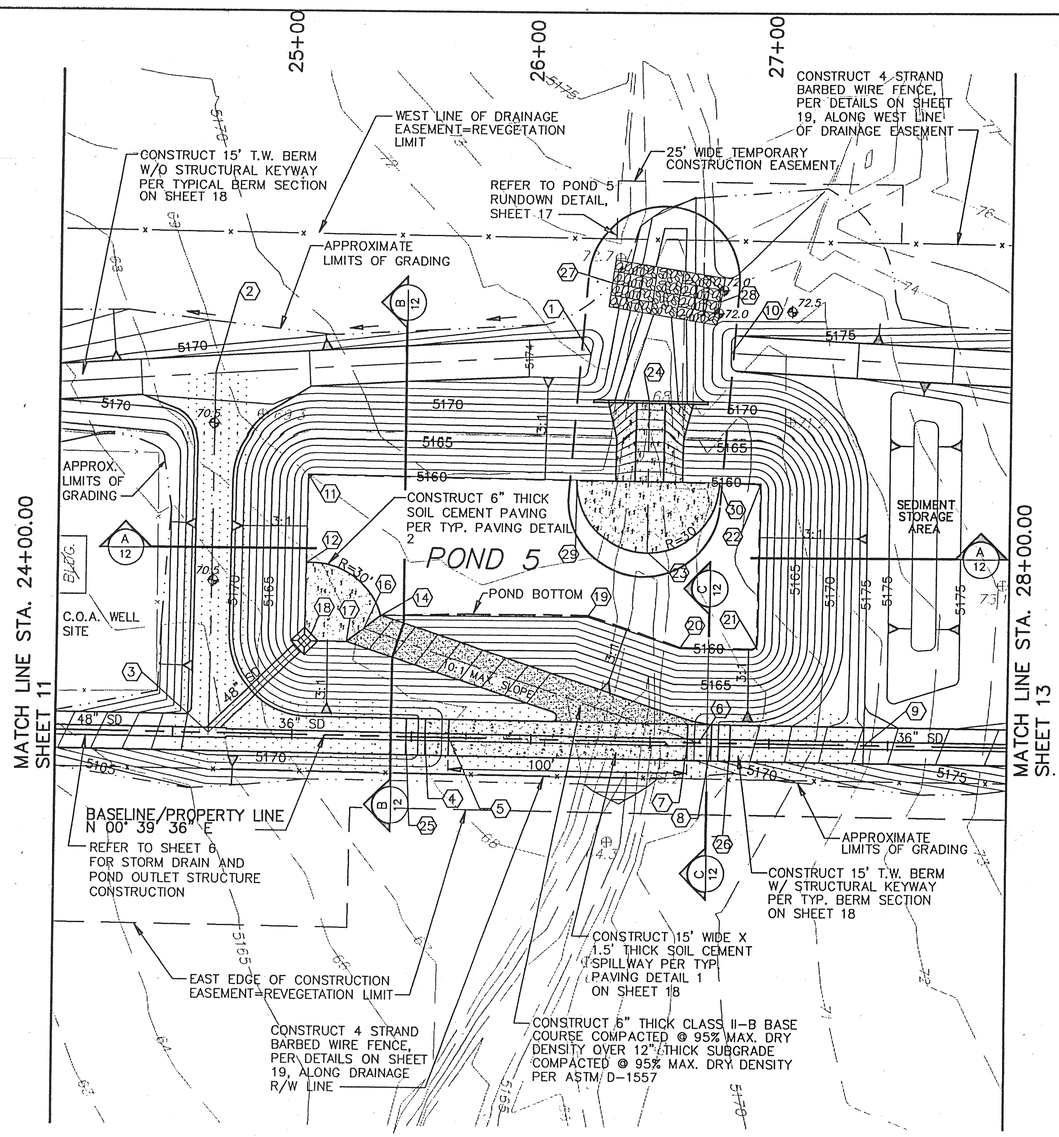
ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

TITLE: UNSER DIVERSION
POND 4
GRADING PLAN AND SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
AMAFCA					

5324.0
MAP NO. Z-K9
SHEET 11 OF 25
5865.81

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TIME: 11-18-96 10:39:24



GRAPHIC SCALE

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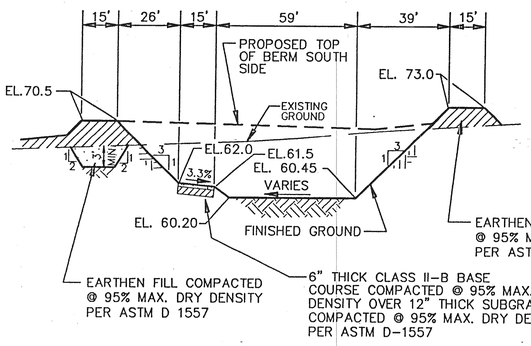
(IN FEET)
1 inch = 30 ft.

POND 5 POINT DATA

POINT I.D. NO.	STA.	OFFSET (FT)	ELEV.	POINT DESCRIPTION
1	26+21.0	161.1' LT	5174.0	BERM @ TOP OF SLOPE
2	24+64.1	149.7' LT	5171.4	℄ N/S BERM @ INT. W/ E/W BERM – END OF E/W KEY WAY
3	24+65.0	0.0	5170.5	℄ N/S BERM @ INT. W/ E/W BERM
4	25+55.7	0.0	5169.8	℄ SPILLWAY PAVING @ S. EDGE OF PAVING
5	25+65.7	0.0	5168.8	℄ SPILLWAY PAVING @ TOE OF SLOPE
6	26+70.3	0.0	5168.8	℄ SPILLWAY PAVING @ INT. W/ MAINT. RAMP
7	26+65.7	0.0	5168.8	℄ SPILLWAY PAVING @ TOE OF SLOPE
8	26+75.7	0.0	5169.8	℄ SPILLWAY PAVING @ N. EDGE OF PAVING
9	27+40.0	0.0	5174.2	℄ BERM @ END OF N/S KEY WAY
10	26+80.0	162.6' LT	5175.0	℄ BERM @ TOP OF SLOPE
11	25+04.1	108.9' LT	5160.30	S.W. CORNER OF POND BOTTOM
12	25+04.1	71.7' LT	5160.15	S.W. CORNER OF SOIL CEMENT PAVING @ EDGE OF POND BOTTOM
14	25+35.8	50.4' LT	5160.15	N.E. CORNER OF SOIL CEMENT PAVING
16	25+28.7	44.7' LT	5160.11	℄ MAINT. RAMP @ EDGE OF SOIL CEMENT PAVING
17	25+21.7	39.0' LT	5160.06	S.E. CORNER OF SOIL CEMENT PAVING @ EDGE OF POND BOTTOM
18	25+06.9	41.8' LT	5160.0	℄ S.D. & OUTLET STRUCTURE @ FACE OF OUTLET
19	26+22.4	52.1' LT	5160.62	EDGE OF POND BOTTOM @ P.I.
20	26+61.4	39.4' LT	5160.72	EDGE OF POND @ P.I.
21	26+93.9	39.3' LT	5160.91	N.E. CORNER OF POND BOTTOM
22	26+93.8	108.8' LT	5160.91	N.W. CORNER OF POND BOTTOM
23	26+46.6	79.0' LT	5160.72	℄ INLET STRUCTURE @ E. EDGE OF PAVING
24	26+45.9	141.0' LT	5167.7	℄ INLET STRUCTURE @ W. EDGE OF PAVING
25	25+47.7	0.0	5170.5	℄ BERM @ END TOP OF SLOPE
26	26+83.6	0.0	5170.5	℄ BERM @ END TOP OF SLOPE
27	26+29.2	191.4' LT	5072.0	℄ RIPRAP SLOPE PROTECTION @ S. EDGE
28	26+76.1	184.3' LT	5072.0	℄ RIPRAP SLOPE PROTECTION @ N. EDGE
29	26+16.3	109.0' LT	5060.72	INLET STRUCTURE @ S EDGE OF PAVING
30	26+76.3	109.0' LT	5060.72	INLET STRUCTURE @ N EDGE OF PAVING

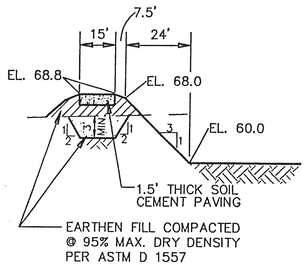
SECTION A–A

SCALE: 1" = 30' HORIZ.
1" = 10' VERT.



SECTION B–B

SCALE: 1" = 30' HORIZ.
1" = 10' VERT.



SECTION C–C

SCALE: 1" = 30' HORIZ.
1" = 10' VERT.

RECORD DRAWING

I, Charles M. Easterling, hereby certify that these drawings have been revised in accordance with the information furnished by Surv-Tek, Inc. to reflect the construction as actually accomplished.

Charles M. Easterling, P.E.
N.M.P.E. No. 6411

Date: 5-8-97

LEGEND

PROPOSED FEATURES

- 43.9 ⊕ — SPOT ELEVATION
- 5135 — CONTOUR
- RIPRAP
- SOIL CEMENT PAVING
- AREA TO BE OVEREXCAVATED FOR BERM STRUCTURAL KEYWAY
- COMPACTED EARTHEN FILL
- BASE COURSE SURFACE
- POND OUTLET STRUCTURE
- BARBED WIRE FENCE

EXISTING FEATURES

- 49.8 ⊕ — SPOT ELEVATION
- 5150 — CONTOUR

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-5865.81 1201

EASTERLING & ASSOCIATES, INC.
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ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

TITLE: **UNSER DIVERSION**
POND 5
GRADING PLAN AND SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
AMAFCA			COA – HYD		

PROJECT NO. ~~3324.0~~ 5865.81 | MAP NO. Z-K9 | SHEET 12 OF 25

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
TOPO	GEO SERVICE	4-93

BENCH MARKS
STATION NAME: 1-40-20A
N.M.S.H.C. BRASS TABLET LOCATED ON THE NORTH SIDE OF U.S. HWY. I-40 AND ABOUT 465' EAST OF UNSER BLVD. OVERPASS

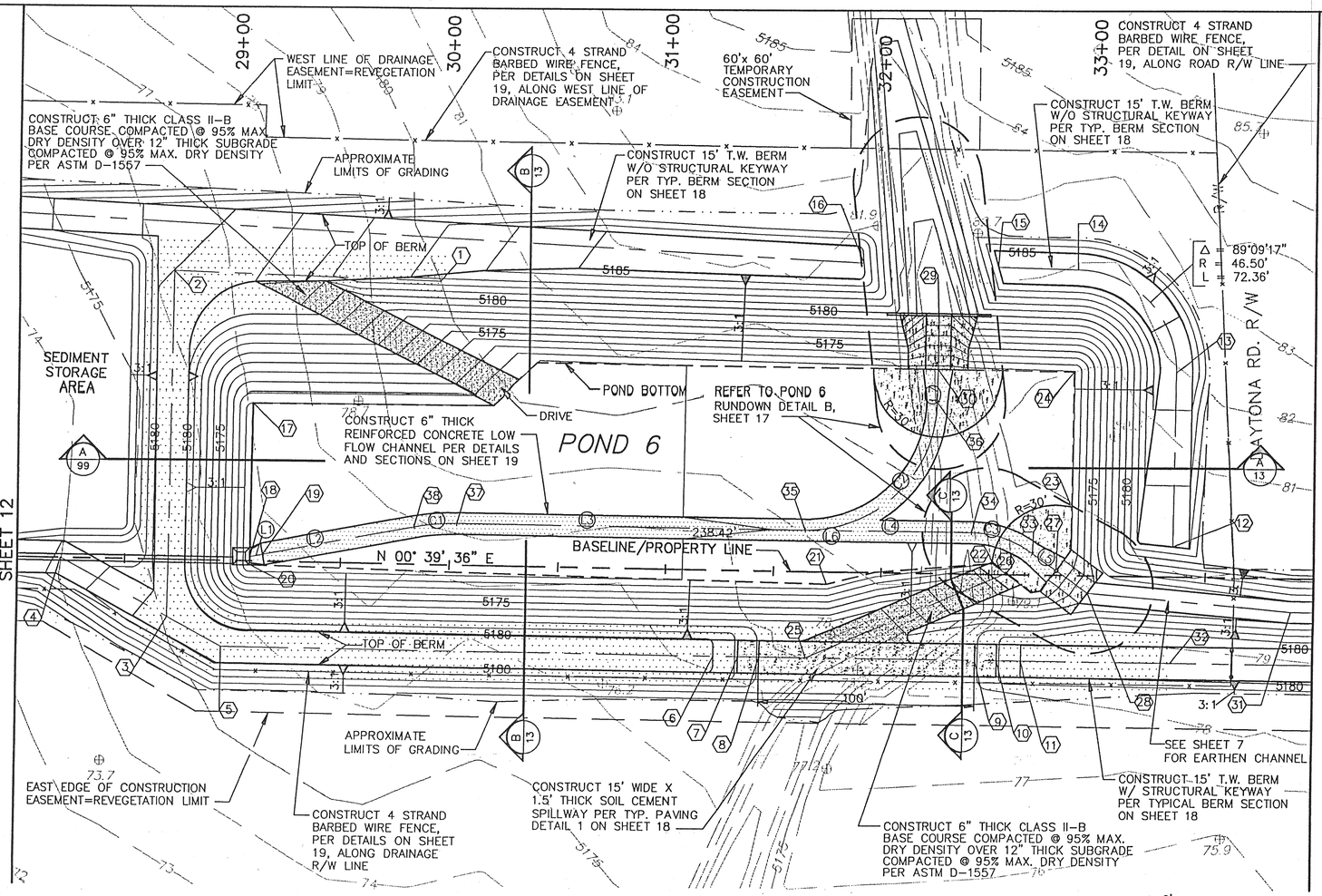
AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY — DATE
INSPECTORS — DATE
FIELD VERIFICATION BY — DATE
DRAWING CORRECTED BY — DATE

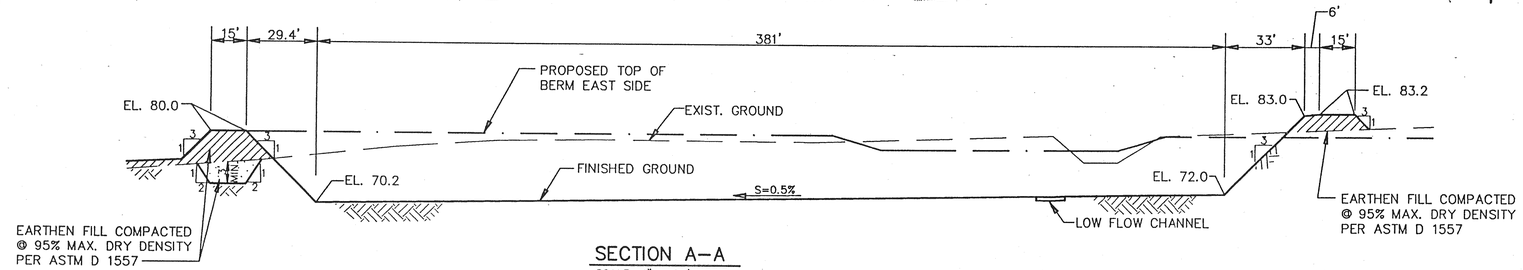
MICRO-FILM INFORMATION
NORTHING: 1,490,199.97
EASTING: 365,926.16
ELEVATION: 5165.89
RECORDED BY — DATE
NO.

ENGINEERS SEAL
CHARLES M. EASTERLING 6411 REGISTERED PROFESSIONAL ENGINEER
11-12-96

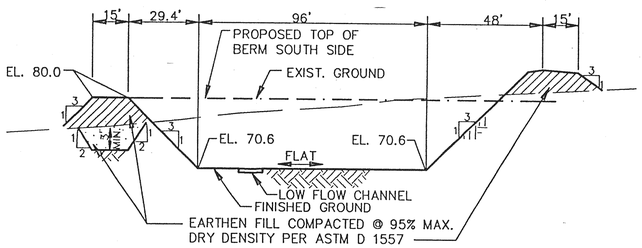
NO.	DATE	REMARKS / REVISIONS	BY
		DESIGN	
		DESIGNED BY VSF — DATE 10/93	
		DRAWN BY PMT-JMM — DATE 10/93	
		CHECKED BY VSF,CME — DATE 9/94	

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TIME: 11-18-96 10:41:07

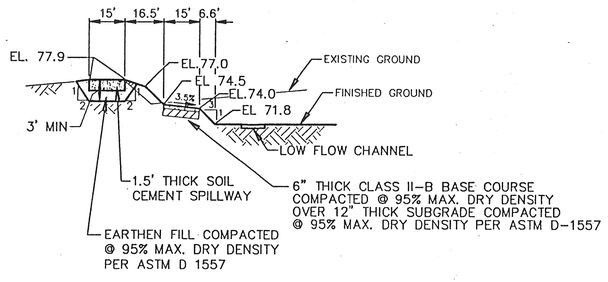




SECTION A-A
SCALE: 1" = 30' HORIZ.
1" = 10' VERT.



SECTION B-B
SCALE: 1" = 30' HORIZ.
1" = 10' VERT.



SECTION C-C
SCALE: 1" = 30' HORIZ.
1" = 10' VERT.

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

POND 6 POINT DATA

POINT NO.	I.D.	STA.	OFFSET (FT)		ELEV.	POINT DESCRIPTION
(1)		29+93.4	129.5'	LT	5182.7	℄ N/S KEY WAY @ END OF KEY WAY
2		28+70.4	131.8'	LT	5180.0	℄ N/S KEY WAY AND E/W KEY WAY @ INT.
3		28+70.3	26.3'	RT	5180.0	℄ N/S AND E/W BERMS @ INT.
4		28+20.0	0.0		5178.1	℄ ACCESS RD/BERM @ ANGLE POINT
5		28+95.5	40.0'	RT	5180.0	℄ BERM @ ANGLE POINT
6		31+23.2	40.0'	RT	5180.0	℄ BERM @ TOP OF SLOPE
7		31+34.6	40.0'	RT	5178.9	℄ SPILLWAY PAVING @ SOUTH EDGE OF PAVING
8		31+44.6	40.0'	RT	5177.9	℄ SPILLWAY PAVING @ TOE OF SLOPE
9		32+44.6	40.0'	RT	5177.9	℄ SPILLWAY PAVING @ TOE OF SLOPE
10		32+54.6	40.0'	RT	5178.9	℄ SPILLWAY PAVING @ NORTH EDGE OF PAVING
11		32+65.7	40.0'	RT	5180.0	℄ BERM @ TOP OF SLOPE
12		33+34.5	14.0'	LT	5182.0	℄ E/W BERM @ TOP OF SLOPE
13		33+34.6	93.0'	LT	5184.4	℄ E/W BERM @ P.T.
14		32.88.8	139.8'	LT	5185.0	℄ N/S BERM @ P.C.
15		32.51.6	140.3'	LT	5185.0	℄ N/S BERM @ TOP OF SLOPE
16		31+89.0	141.4'	LT	5185.0	℄ N/S BERM @ TOP OF SLOPE
17		29+07.8	72.4'	LT	5170.5	S.W. CORNER OF POND BOTTOM
18		29+07.78	2.00'	LT	5169.50	℄ OF LOW FLOW CHANNEL @ FACE OF OUTLET STRUCTURE
19		29+13.67	3.17'	LT	5169.80	℄ OF LOW FLOW CHANNEL @ END OF TRANSITION
20		29+07.8	2.0'	RT	5170.00	S.E. CORNER OF POND BOTTOM
21		31+74.8	5.9'	RT	5171.4	EAST SIDE OF POND BOTTOM @ ANGLE POINT
22		32+51.3	5.7'	LT	5171.8	EAST SIDE OF POND BOTTOM @ EDGE OF SOIL CEM. PAV.
23		32+87.9	31.5'	LT	5172.0	NORTH SIDE OF POND BOTTOM @ EDGE OF SOIL CEM. PAV.
24		32+87.8	93.0'	LT	5172.0	N.W. CORNER OF POND BOTTOM
25		31+66.0	40.0'	RT	5177.9	℄ OF SPILLWAY PAVING AND MAINT. RAMP @ INT.
26		32+58.0	0.4'	LT	5171.9	℄ OF MAINT. ROAD @ BOTTOM OF POND
27		32+80.0	2.3'	LT	5171.80	℄ OF INLET STRUCTURE & ℄ OF LOW FLOW CHANNEL @ EDGE OF POND BOTTOM
28		32+95.8	8.0'	RT	5175.0	℄ OF INLET STRUCTURE @ N. EDGE OF PAVING
29		32+24.3	115.5'	LT	5176.7	℄ OF INLET STRUCTURE @ W. EDGE OF PAVING
30		32+24.32	93.0'	LT	5171.70	℄ OF INLET STRUCTURE & LOW FLOW CHANNEL @ WEST EDGE OF POND BOTTOM
31		33+90.0	15.5'	RT	5175.8	℄ OF CHANNEL @ ANGLE POINT
32		33+34.0	40.0'	RT	5180.0	℄ OF N/S BERM @ N. END OF N.S. KEYWAY
33		32+70.21	9.93'	LT	5171.60	℄ OF LOW FLOW CHANNEL @ E.C./START OF WIDTH TRANSITION
34		32+41.50	19.00'	LT	5171.45	℄ OF LOW FLOW CHANNEL @B.C.
35		31+64.32	19.00'	LT	5171.06	INTERSECTION OF LOW FLOW CHANNELS CENTERLINES
36		32+24.32	79.00'	LT	5171.53	℄ OF LOW FLOW CHANNEL @ E.C/START OF WIDTH TRANSITION
37		30+03.08	19.00'	LT	5170.25	℄ OF LOW FLOW CHANNEL @ E.C
38		29+83.57	17.08'	LT	5170.16	℄ OF LOW FLOW CHANNEL @ B.C

CURVE	RADIUS	LENGTH	TANGENT	DELTA
(C1)	100.00'	19.64'	9.85'	11°15'07"
C2	60.00'	94.25'	60.00'	90°00'00"
C3	50.00'	30.58'	15.79'	35°02'44"

LINE	DIRECTION	DISTANCE
(L1)	N10°35'31"W	6.00'
L2	N10°35'31"W	71.27'
L3	N00°39'36"E	161.24'
L4	N00°39'36"E	77.18'
L5	N33°52'23"E	13.24'
L6	S00°39'36"W	238.42'
L7	N89°20'24"W	14.00'

LEGEND

PROPOSED FEATURES
- 43.9 ⊕ SPOT ELEVATION
- 5135 CONTOUR
- REINFORCED CONCRETE PAVING
- SOIL CEMENT PAVING
- AREA TO BE OVEREXCAVATED FOR BERM STRUCTURAL KEYWAY
- COMPACTED EARTHEN FILL
- BASE COURSE SURFACE
- POND OUTLET STRUCTURE
- PIPE GATE(BY OTHERS)
- BARBED WIRE FENCE

EXISTING FEATURES
- ⊕ 49.8 SPOT ELEVATION
- 5150 CONTOUR

RECORD DRAWING
I, Charles M. Easterling, hereby certify that these drawings have been revised in accordance with the information furnished by Surv-Tek, Inc. to reflect the construction as actually accomplished.

Charles M. Easterling, P.E.
N.M.P.E. No. 6411
Date: 5-8-97

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-5865.81 1301

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWING CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION NAME: I-40-20A
NO. DATE
4-93 N.M.S.H.C. BRASS TABLET LOCATED ON THE NORTH SIDE OF U.S. HWY. I-40 AND ABOUT 465' EAST OF UNSER BLVD. OVERPASS
NORTHING: 1,490,199.97
EASTING: 365,926.16
ELEVATION: 5165.89

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
TOPO GEO SERVICE

ENGINEERS SEAL
VINCENT J. LUCERO 6411 REGISTERED PROFESSIONAL ENGINEER
5-8-97

REMARKS
REVISIONS
DESIGN
NO. DATE BY
DESIGNED BY VSF 10/93
DRAWN BY PMT,JMM 10/93
CHECKED BY VSF,CME 9/94

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-7/8
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

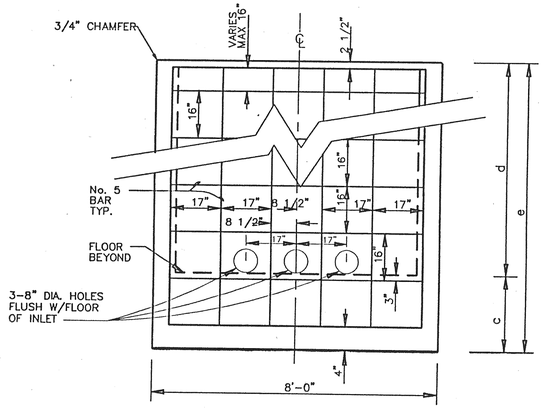
ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

TITLE: UNSER DIVERSION
POND 6
GRADING PLAN AND SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
AMAFCA					

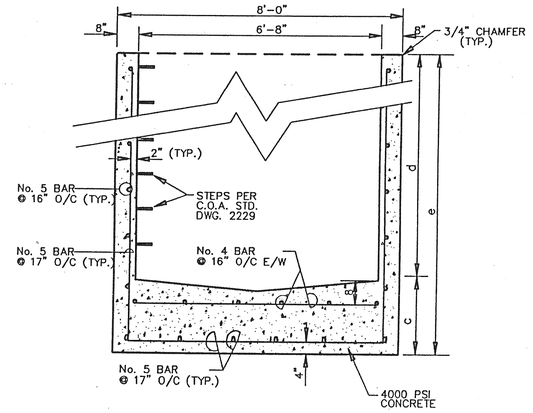
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MAP NO. Z-K9
SHEET 13 OF 25

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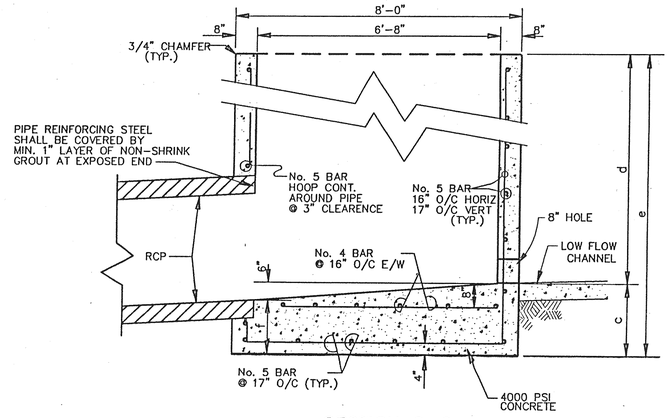


NOTE: ACCURATE PLACEMENT OF REINFORCING STEEL TO THE DIMENSIONS SHOWN IS REQUIRED TO FACILITATE CORING OF HOLES THROUGH THE FRONT WALL OF THE STRUCTURE.

SECTION A–A
NOT TO SCALE



SECTION B–B
NOT TO SCALE



SECTION C–C
NOT TO SCALE

OUTLET STRUCTURE DETAIL – PLAN
SCALE: 1" = 2'

ISOMETRIC – CONCRETE OUTLET STRUCTURE
NOT TO SCALE

CONCRETE OUTLET STRUCTURE DIMENSIONS

POND No.	* a	b	c	d	e	f	TOP OF WALL ELEVATION
1	4'–0"	3'–6"	3'–1"	8'–0"	11'–1"	2'–7"	5141.0
2	4'–0"	4'–0"	2'–11"	7'–4 3/4"	10'–3 3/4"	2'–5"	5144.8
3	4'–0"	3'–6"	2'–5"	5'–0"	7'–5"	1'–11"	5147.5
4	4'–0"	3'–6"	2'–5"	5'–1 1/4"	7'–6 1/4"	1'–11"	5151.9
5	4'–0"	4'–0"	2'–4"	4'–5"	6'–9"	1'–8"	5164.0
6	2'–0"	3'–0"	2'–9"	6'–6"	9'–3"	2'–3"	5176.0

* THE "a" DIMENSION IS THE DISTANCE FROM THE CENTERLINE OF PIPE TO THE RIGHT OUTSIDE EDGE OF THE OUTLET STRUCTURE.

RECORD DRAWING
I, Charles M. Easterling, hereby certify that these drawings have been revised in accordance with the information furnished by Surv-Tek, Inc. to reflect the construction as actually accomplished.

Charles M. Easterling, P.E. N.M.P.E. No. 6411 Date: 5-8-97

AS BUILT INFORMATION
CONTRACTOR — DATE
STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

BENCH MARKS
STATION NAME: I-40-20A
N.M.S.H.C. BRASS TABLET LOCATED ON THE NORTH SIDE OF U.S. HWY. I-40 AND ABOUT 465' EAST OF UNSER BLVD. OVERPASS

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.
NORTHING: 1,490,199.97
EASTING: 365,926.16
ELEVATION: 5165.89

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
TOPO	GEO SERVICE	04-93

ENGINEERS SEAL
CHARLES M. EASTERLING NEW MEXICO PROFESSIONAL ENGINEER
11-27-96

NO.	DATE	REMARKS
REVISIONS		
DESIGNED BY	VSF	DATE 10/93
DRAWN BY	ALM,PNT,JMM	DATE 10/93
CHECKED BY	VSF,CME	DATE 9/94

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-5865.81 1407

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-7/8
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

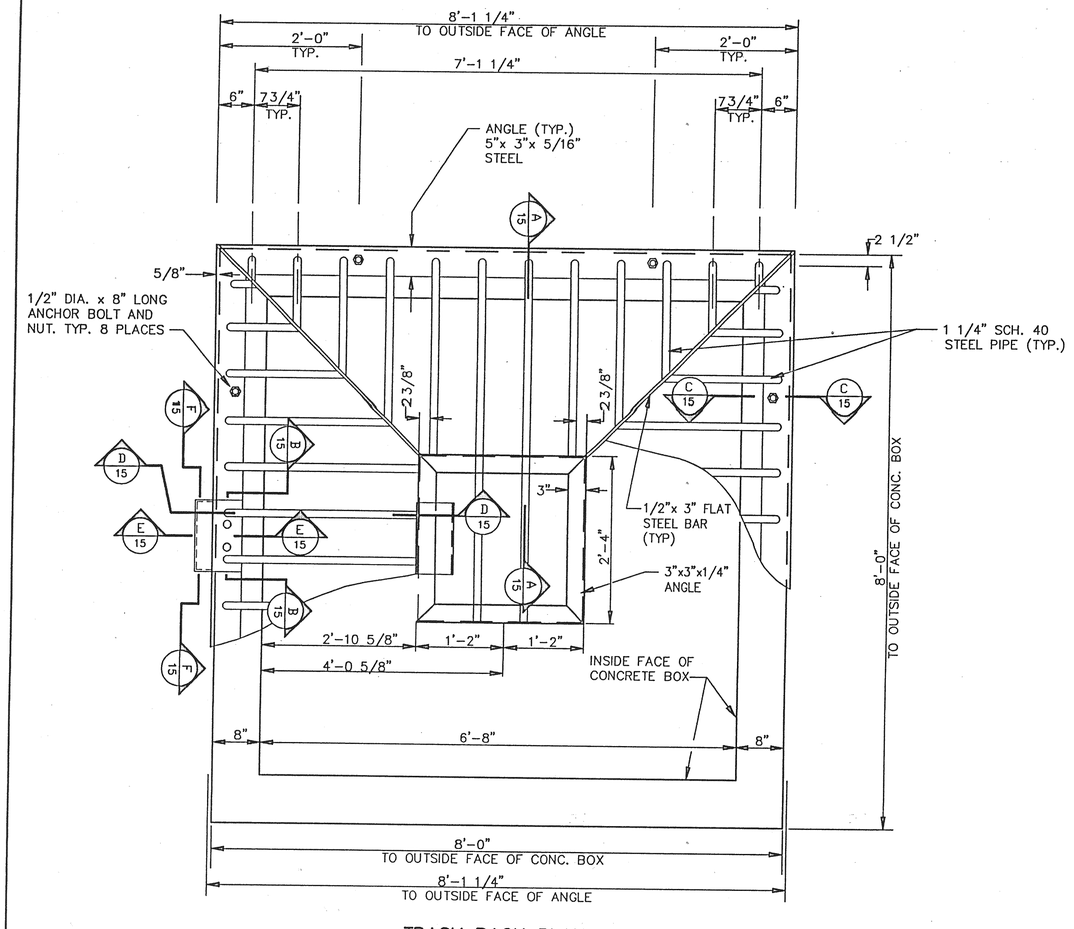
ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

TITLE: UNSER DIVERSION
OUTLET STRUCTURE
DETAILS AND SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
AMAFCA					

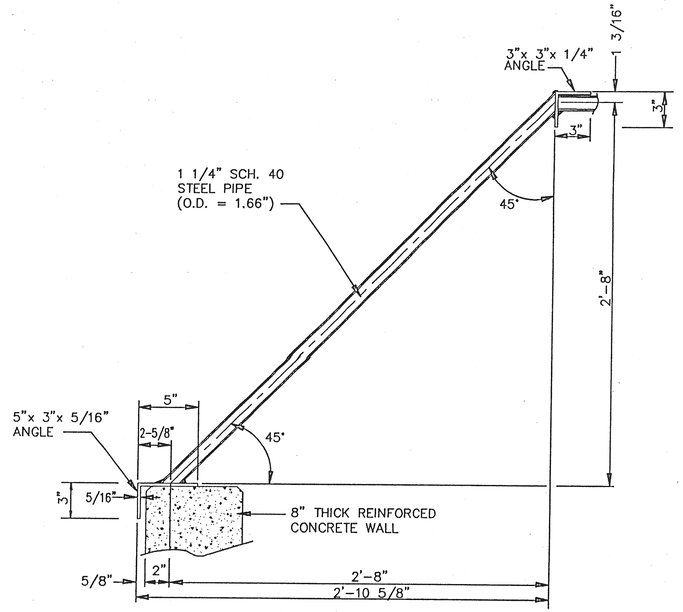
PROJECT NO. ~~3324.0~~ 5865.81 | MAP NO. Z-K9 | SHEET 14 OF 25

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TIME: 11-18-96 10:42:54



TRASH RACK PLAN

SCALE: 1"=1'

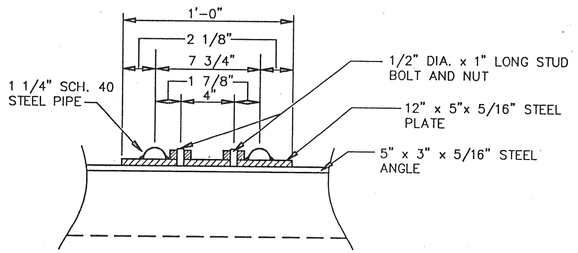


SECTION A–A

SCALE" 1"=1/2'

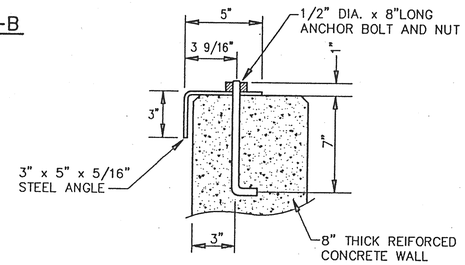
NOTES:

1. EXCEPT WHERE OTHERWISE NOTED, CONNECT ALL DIAGONAL PIPE MEMBERS TO TOP AND BOTTOM SUPPORTS WITH 1/8" FILLET WELD, ALL AROUND.
2. CONNECT 1/2"x 3" FLAT BAR TO TOP AND BOTTOM ANGLES WITH 5/16" FILLET WELD ON ALL SIDES.
3. EXCEPT AS OTHERWISE NOTED, CONNECT ALL ANGLES WITH FLUSH WELDS TO THE FULL MATERIAL THICKNESS.
4. AFTER CLEANING SURFACE OF SCALE, RUST, OIL ETC., PAINT ENTIRE TRASH RACK WITH TWO COATS OF RED OXIDE AND ONE FINISH COAT OF WELBORN MAPLE NUT BROWN PAINT.
5. THE TWO CENTER PIPE MEMBERS ON THE EAST SIDE OF THE RACK ARE DESIGNED TO BE REMOVABLE TO PROVIDE ACCESS TO THE INSIDE OF THE OUTLET STRUCTURE.
6. GRIND ALL EXPOSED SHARP CORNERS SMOOTH.



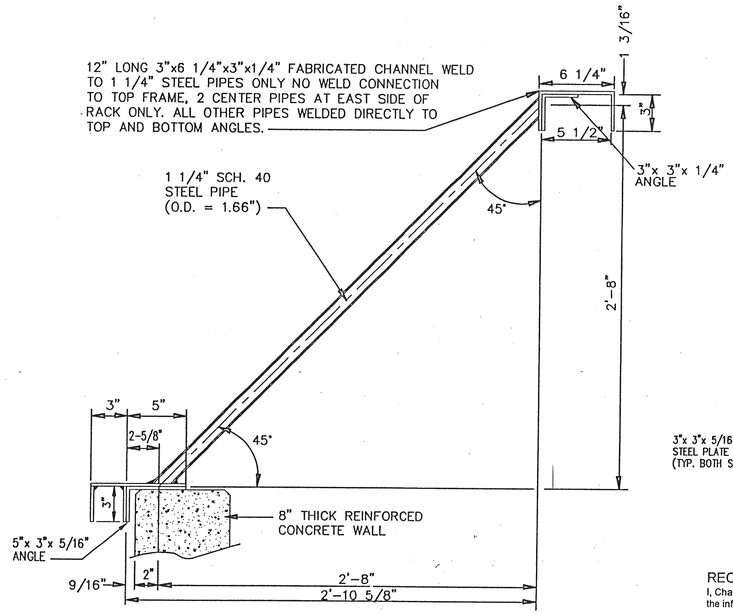
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NOT TO SCALE



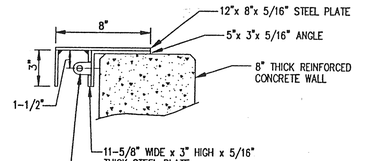
SECTION C–C

NOT TO SCALE



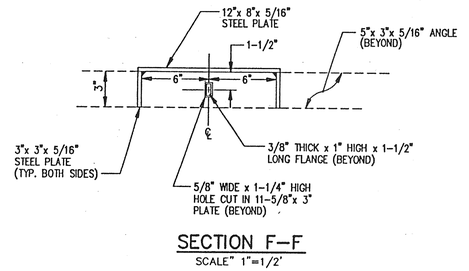
SECTION D–D

SCALE" 1"=1/2'



SECTION E–E

SCALE" 1"=1/2'



SECTION F–F

SCALE" 1"=1/2'

RECORD DRAWING

I, Charles M. Easterling, hereby certify that these drawings have been revised in accordance with the information furnished by Surv-Tek, Inc. to reflect the construction as actually accomplished.

Charles M. Easterling, P.E. N.M.P.E. No. 6411 — Date: 5-8-97

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTORS ACCEPTANCE BY — DATE
AS-BUILT VERIFICATION BY — DATE
DRAWINGS REVISED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
STATION NAME: 1-40-20A
N.M.S.H.C. BRASS TABLET LOCATED ON THE NORTH SIDE OF U.S. HWY. I-40 AND ABOUT 465' EAST OF UNSER BLVD. OVERPASS
NORTHING: 1,490,199.7
EASTING: 365,926.16
ELEVATION: 5165.89

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
TOPO	GEO SERVICE	4-93

ENGINEERS SEAL
CHARLES M. EASTERLING — NEW MEXICO — REGISTERED PROFESSIONAL ENGINEER — 6411
11-21-96

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
	DATE 10/93	DESIGNED BY VSF,JWL	
	DATE 10/93	DRAWN BY PMT,JMM	
	DATE 9/94	CHECKED BY VSF,CME	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-5865.81 1501

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-7/8
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

ALBUQUERQUE METROPOLITAN
ARROYO FLOOD CONTROL
AUTHORITY

TITLE: UNSER DIVERSION
OUTLET STRUCTURE TRASH RACK
DETAILS AND SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
AMAFCA					

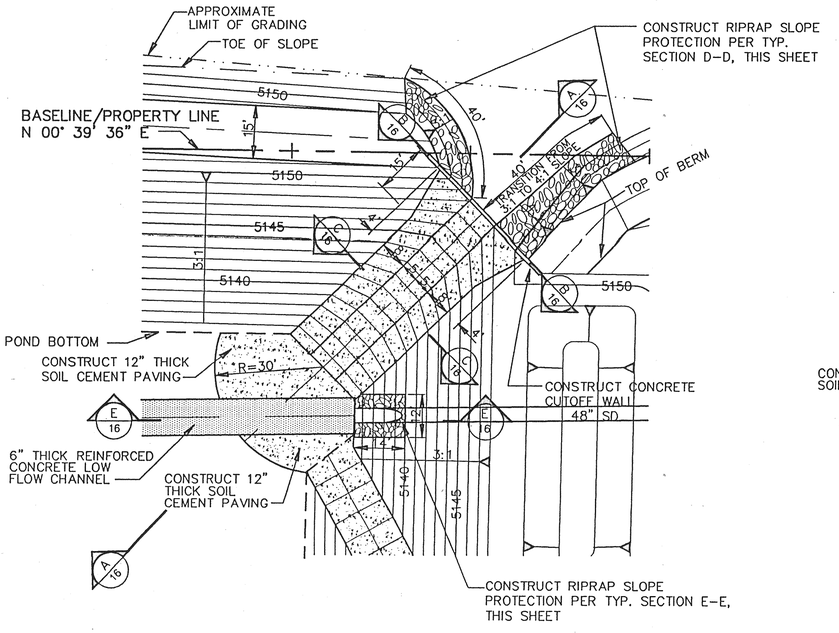
PROJECT NO. ~~3324.0~~ 5865.81 | MAP NO. Z-K9 | SHEET 15 OF 25

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DATE: 11-20-96 13:13:41

GRAPHIC SCALE

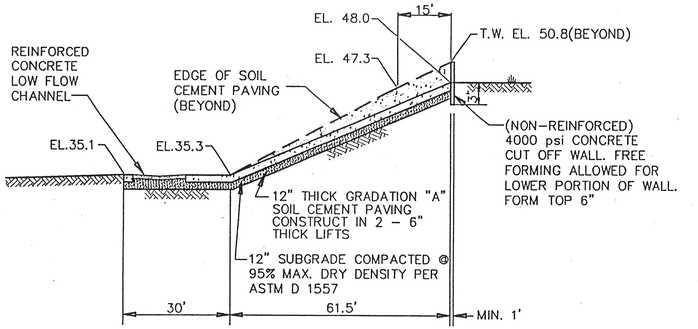
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(IN FEET)
1 inch = 20 ft.



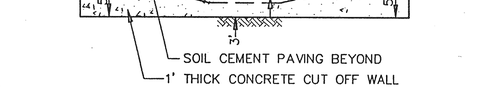
DETAIL A
POND 1 RUNDOWN STRUCTURE

SCALE: 1" = 20'



RUNDOWN STRUCTURE – SECTION A–A

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.



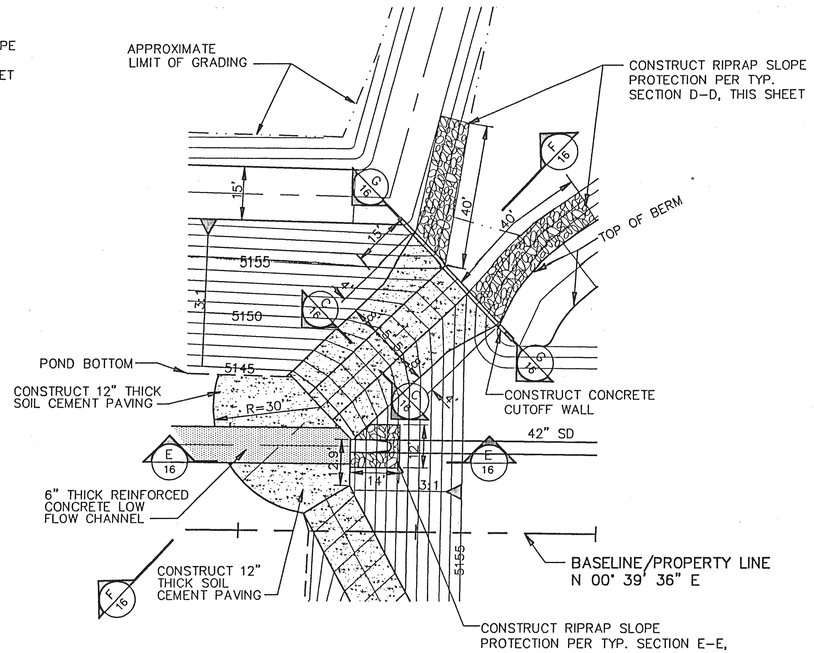
RUNDOWN CONCRETE CUT OFF WALL – SECTION B–B

SCALE: 1" = 10' HORIZ.
1" = 10' VERT.

GRAPHIC SCALE

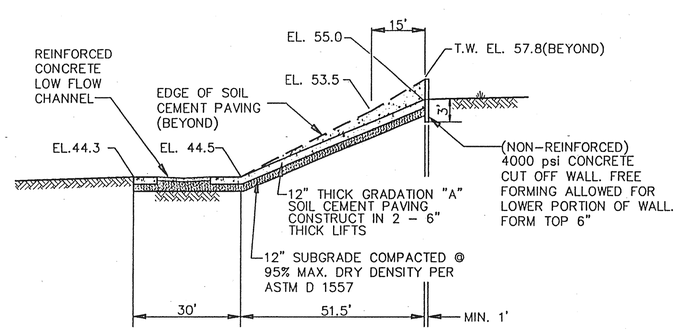
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(IN FEET)
1 inch = 20 ft.



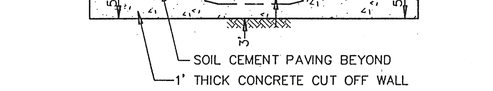
DETAIL B
POND 3 RUNDOWN STRUCTURE

SCALE: 1" = 20'



RUNDOWN STRUCTURE – SECTION F–F

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.



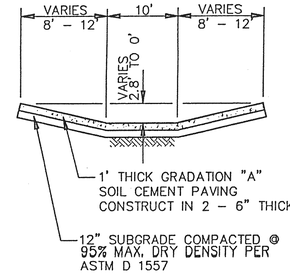
RUNDOWN CONCRETE CUT OFF WALL – SECTION G–G

SCALE: 1" = 10' HORIZ.
1" = 10' VERT.

RECORD DRAWING

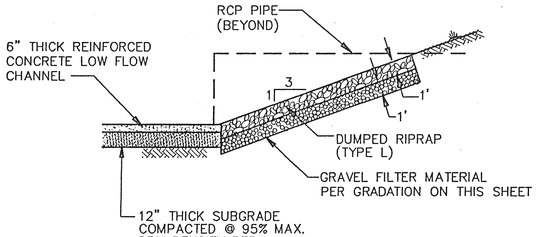
I, Charles M. Easterling, hereby certify that these drawings have been revised in accordance with the information furnished by Surv-Tek, Inc. to reflect the construction as actually accomplished.

Charles M. Easterling, P.E. Date: 5-8-97
N.M.P.E. No. 6411



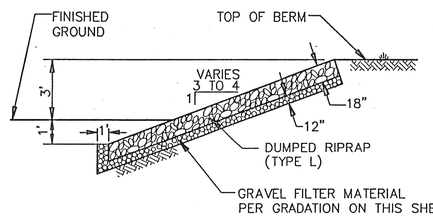
RUNDOWN STRUCTURE – SECTION C–C

SCALE: 1" = 10' HORIZ.
1" = 10' VERT.



RCP OUTLET – SLOPE PROTECTION – SECTION E–E

NOT TO SCALE



TYPICAL RIPRAP SLOPE PROTECTION – SECTION D–D

NOT TO SCALE

GRAVEL MATERIAL
GRADATION MATERIAL

SIEVE SIZE	% PASSING BY WEIGHT
3"	80–100
3/4"	45–65
#4	25–45
#40	0–20
#200	0–5

PIT RUN FILTER MATERIAL MEETING THE ABOVE GRADATION REQUIREMENTS MY BE USED WITHOUT SCREENING

AS BUILT INFORMATION
CONTRACTOR
WORK DONE BY
INSPECTORS ACCEPTANCE BY
VERIFICATION BY
DRAWINGS CHANGED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.

BENCH MARKS
STATION NAME: I-40-20A
N.M.S.H.C. BRASS TABLET LOCATED ON THE NORTH SIDE OF U.S. HWY. I-40 AND ABOUT 465' EAST OF UNSER BLVD. OVERPASS
NORTHING: 1,490,198.97
EASTING: 365,926.16
ELEVATION: 5165.89

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
TOPO	GEO SERVICE	4-93

ENGINEERS SEAL
NEW MEXICO 6411 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	VSF 10/93
			PWT,JMM 10/93
			VSF,CME 9/94

DESIGNED BY VSF
DRAWN BY PWT,JMM
CHECKED BY VSF,CME

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-7/8
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

ALBUQUERQUE METROPOLITAN
ARROYO FLOOD CONTROL
AUTHORITY

TITLE: UNSER DIVERSION
RUNDOWN STRUCTURE DETAILS AND SECTIONS
POND 1 AND POND 3

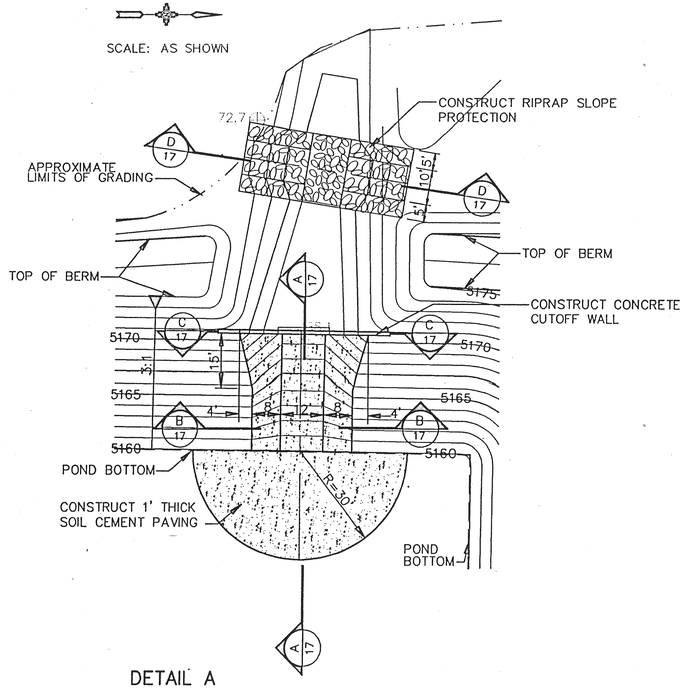
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
AMAFCA					

PROJECT NO. ~~3324.0~~ 5865.81
MAP NO. Z-K9
SHEET 16 OF 25

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-5865.81 1 1601

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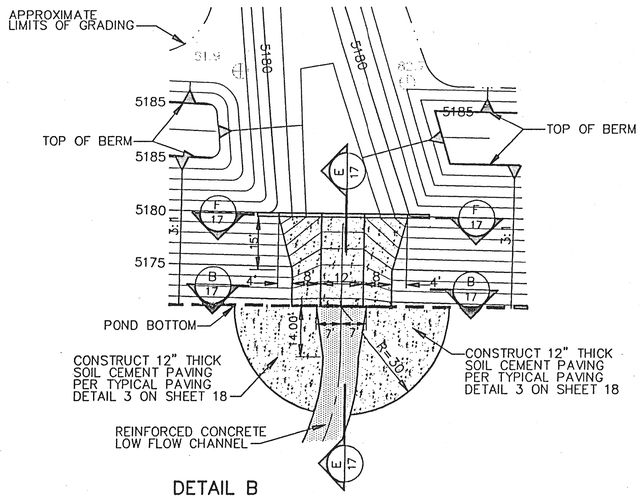
SCALE: AS SHOWN



DETAIL A
POND 5 RUNDOWN STRUCTURE

SCALE: 1" = 20'

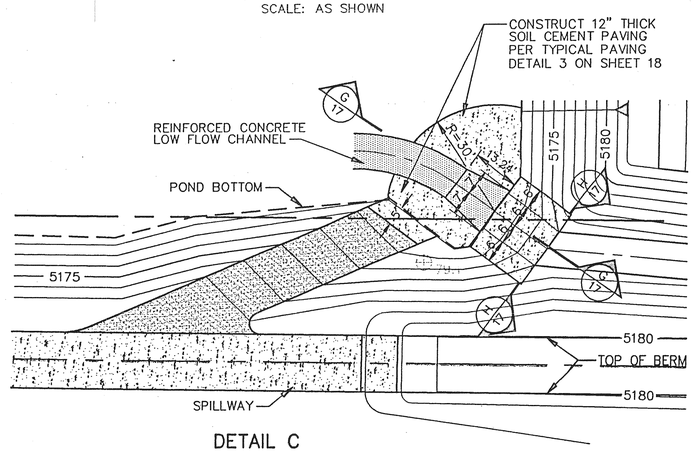
SCALE: AS SHOWN



DETAIL B
POND 6 RUNDOWN STRUCTURE

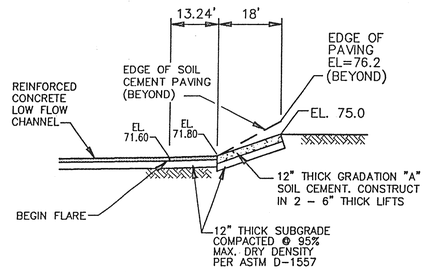
SCALE: 1" = 20'

SCALE: AS SHOWN



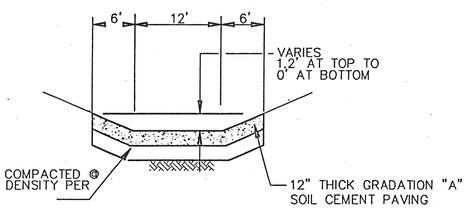
DETAIL C
POND 6 RUNDOWN STRUCTURE

SCALE: 1" = 20'



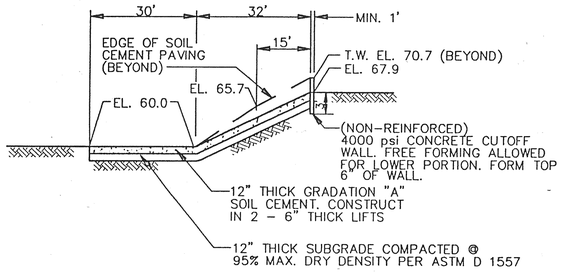
RUNDOWN STRUCTURE – SECTION G–G

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.



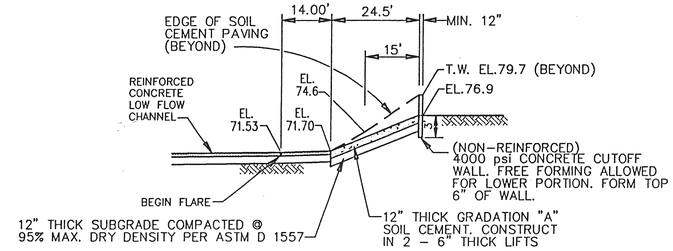
RUNDOWN STRUCTURE – SECTION H–H

SCALE: 1" = 10' HORIZ.
1" = 5' VERT.



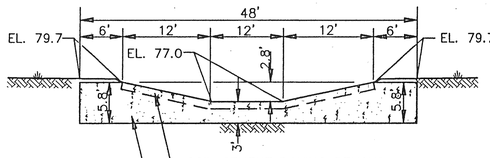
RUNDOWN STRUCTURE – SECTION A–A

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.



RUNDOWN STRUCTURE – SECTION E–E

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.



RUNDOWN CONCRETE CUT OFF WALL – SECTION F–F

SCALE: 1" = 10' HORIZ.
1" = 10' VERT.

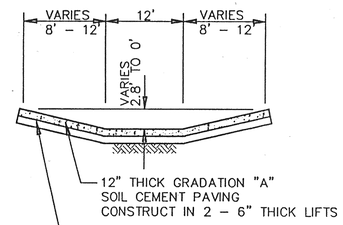
RECORD DRAWING

I, Charles M. Easterling, hereby certify that these drawings have been revised in accordance with the information furnished by Surv-Tek, Inc. to reflect the construction as actually accomplished.

Charles M. Easterling, P.E.
N.M.P.E. No. 6411

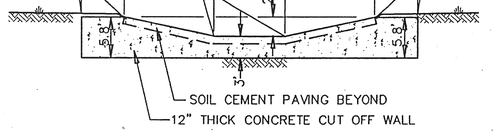
Date: 5-8-97

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26-5865.81 1 7 0 1



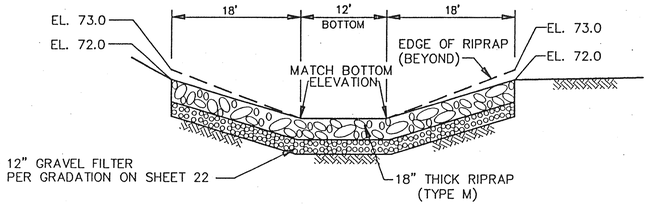
RUNDOWN STRUCTURE – SECTION B–B

SCALE: 1" = 10' HORIZ.
1" = 10' VERT.



RUNDOWN CONCRETE CUT OFF WALL – SECTION C–C

SCALE: 1" = 10' HORIZ.
1" = 10' VERT.



RIPRAP – SECTION D–D

SCALE : 1" = 10' HORIZ
1" = 5' VERT.

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

BENCH MARKS
STATION NAME: I-40-20A
N.M.S.H.C. BRASS TABLET LOCATED ON THE NORTH SIDE OF U.S. HWY. I-40 AND ABOUT 465' EAST OF UNSER BLVD.
OVERPASS
NORTHING: 1,490,199.97
EASTING: 365,926.16
ELEVATION: 5165.89

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
TOPO GEO SERVICE 4-93

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEERS SEAL
REGISTERED PROFESSIONAL ENGINEER 6111
12-2-11

REMARKS
REVISIONS
NO. DATE BY
DESIGN DESIGNED BY VSF DATE 10/93
DRAWN BY PMT,JMM DATE 10/93
CHECKED BY VSF,CME DATE 9/94

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-7/8
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

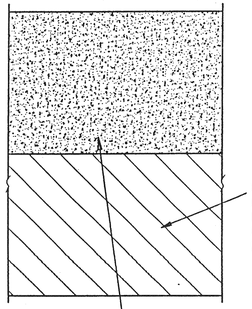
TITLE: UNSER DIVERSION
RUNDOWN STRUCTURE DETAILS AND SECTIONS POND 5 AND POND 6

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
AMAFCA					

PROJECT NO. ~~3324.0~~ 5865.81
MAP NO. Z-K9
SHEET 17 OF 25

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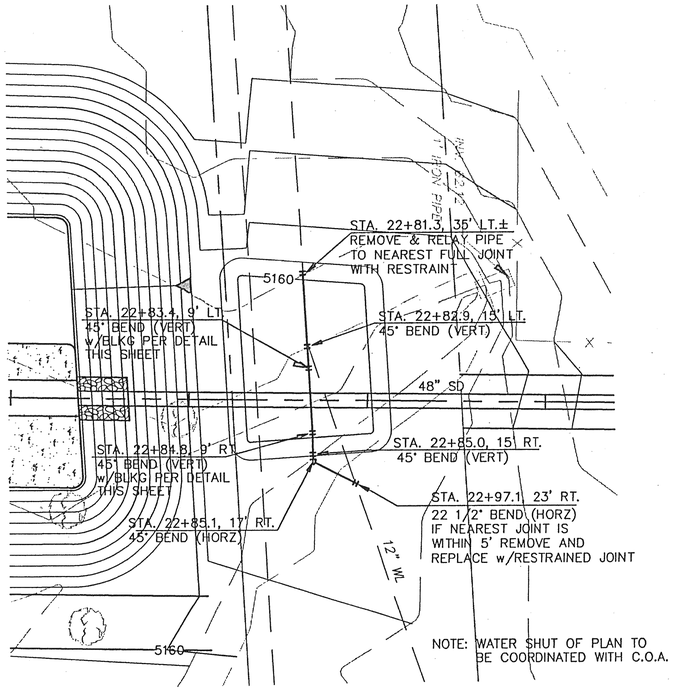
THIS DRAWING IS NOT TO SCALE WHEN PLOTTED AT 50% REDUCTION



NOTE: KEYWAY TRENCH DEPTH UNDER SPILLWAY PAVING SHALL BE THE GREATER OF 3' BELOW TOP OF SPILLWAY PAVING OR 3' BELOW EXISTING GROUND @ CENTERLINE OF THE SPILLWAY PAVING.

TYPICAL PAVING DETAIL – 1

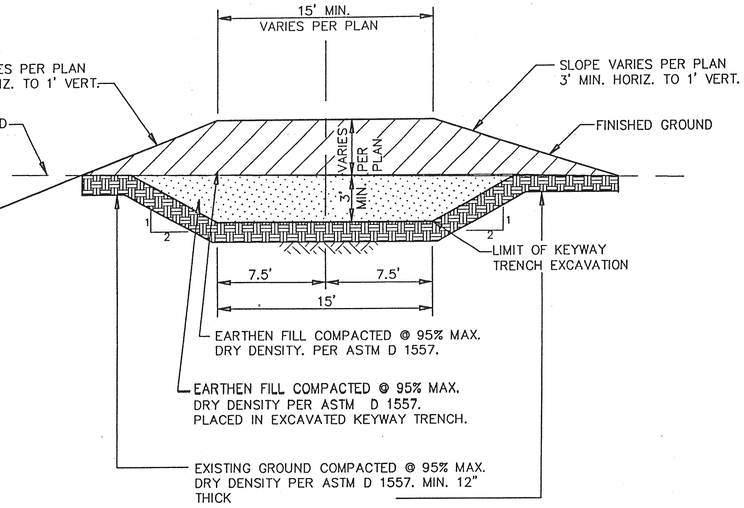
NOT TO SCALE



NOTE: WATER SHUT OF PLAN TO BE COORDINATED WITH C.O.A.

12" WATERLINE RELOCATION DETAIL

1"=20'



NOTE: REMOVE AND DISPOSE OF ALL ORGANIC MATERIAL, DEBRIS AND LARGE STONES PRIOR TO PLACING FILL MATERIAL.

TYPICAL BERM W/ STRUCTURAL KEYWAY SECTION

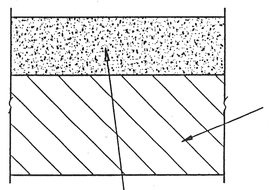
NOT TO SCALE

RECORD DRAWING

I, Charles M. Easterling, hereby certify that these drawings have been revised in accordance with the information furnished by Surv-Tek, Inc. to reflect the construction as actually accomplished.

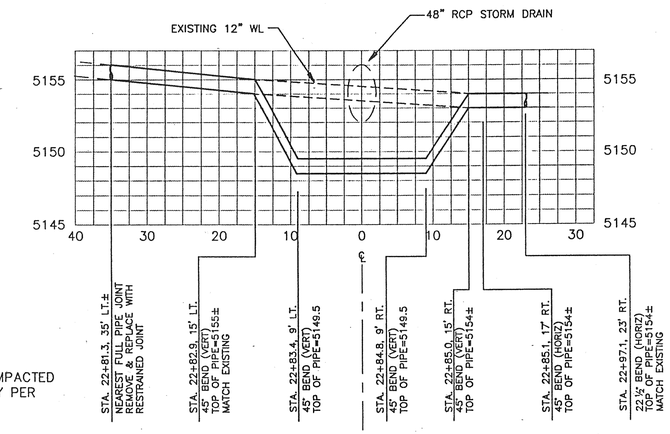
5-8-97

Charles M. Easterling, P.E. N.M.P.E. No. 6411 — Date:



TYPICAL PAVING DETAIL – 2

NOT TO SCALE

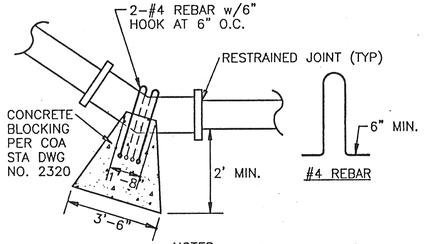


12" WATERLINE VERTICAL RELOCATION DETAIL

1"=10' (H)
1"=5' (V)

NOTES:

1. USE RESTRAINT ON ALL PIPE JOINTS & FITTINGS
2. THIS WORK IS ALL PAID FOR UNDER ITEM NO. 27 AND SHALL INCLUDE ALL TRENCHING, PIPE, FITTINGS, BACKFILL, SHUTOFFS, BLOCKING, TESTING NECESSARY FOR THE RELOCATION
3. ALL BACKFILL @ 95% ASTM-1557

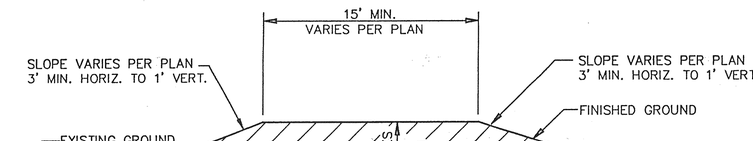


NOTES:

1. COVER FITTINGS AND PIPE WITH 4 MIL PLASTIC SHEETING, EXTEND SHEETING 12" BEYOND EDGE OF CONCRETE.

LOWER VERTICAL BEND BLOCKING DETAIL

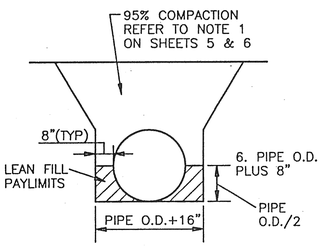
NOT TO SCALE



NOTE: REMOVE AND DISPOSE OF ALL ORGANIC MATERIAL, DEBRIS AND LARGE STONES PRIOR TO PLACING FILL MATERIAL.

TYPICAL BERM W/O STRUCTURAL KEYWAY SECTION

NOT TO SCALE



LEAN FILL LIMITS

NOT TO SCALE

TYPICAL PAVING DETAIL – 3

NOT TO SCALE

AS BUILT INFORMATION

CONTRACTOR — DATE
WORK STARTED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES BY — DATE
NO.

ENGINEERS SEAL

CHARLES M. EASTERLING 6411 NEW MEXICO REGISTERED PROFESSIONAL ENGINEER
11-7-97

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY VSF	DATE 10/93
		DRAWN BY ALM,PMT,JMM	DATE 10/93
		CHECKED BY VSF,PMT	DATE 9/94

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-7/8
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

TITLE: UNSER DIVERSION

MISCELLANEOUS DETAILS AND SECTIONS

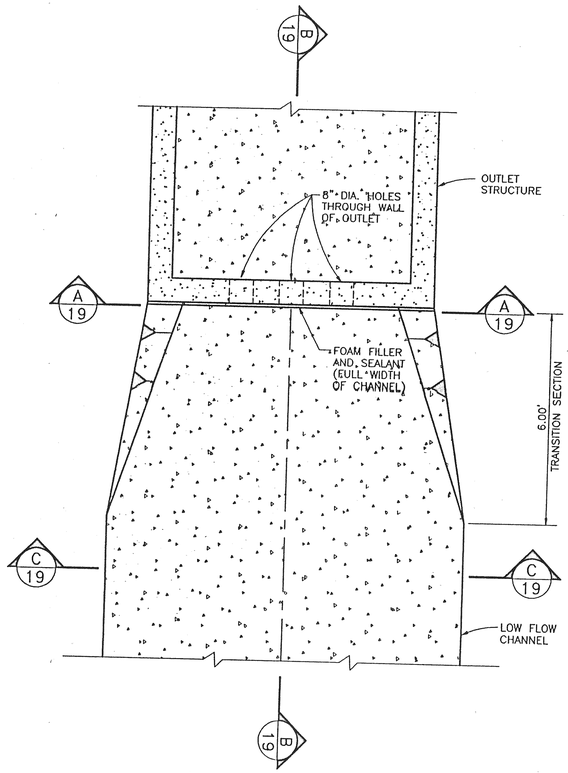
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
AMAFCA					

PROJECT NO. ~~3324.0~~ 5865.81 | MAP NO. Z-K9 | SHEET 18 OF 25

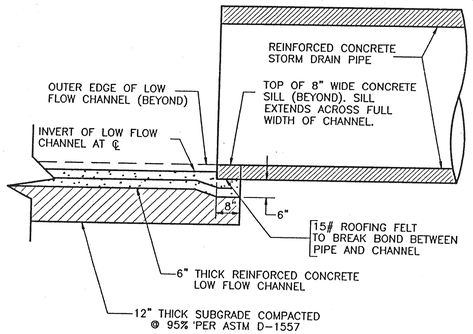
26-5865.81 1801

SCALE: AS SHOWN

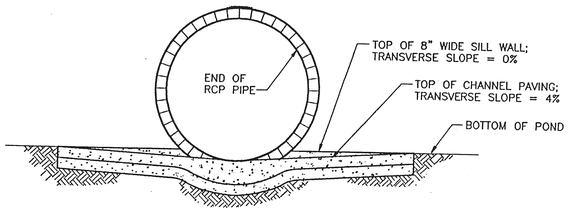
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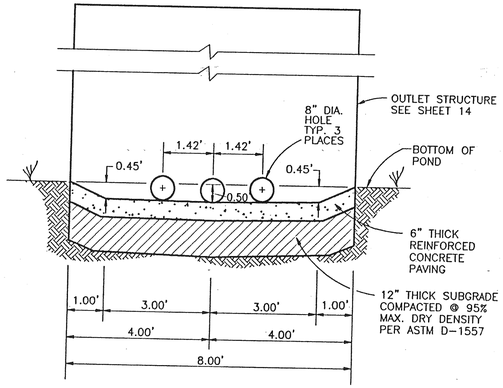
LOW FLOW CHANNEL @ OUTLETS – PLAN
SCALE: 1"=2'



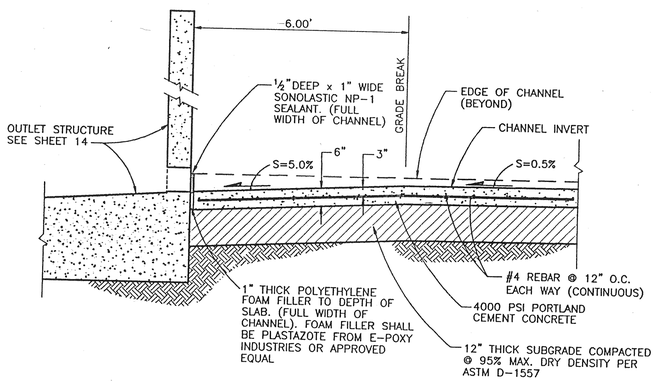
℄ LOW FLOW CHANNEL @ INLET PIPE – SECTION
SCALE: 1"=2'



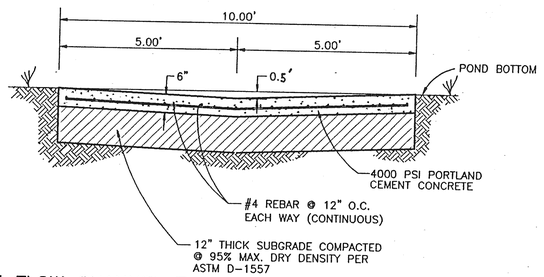
LOW FLOW CHANNEL
@ END OF INLET PIPE
–TRANSVERSE SECTION–
SCALE: 1"=2'



LOW FLOW CHANNEL – SECTION A–A
SCALE: 1"=2'

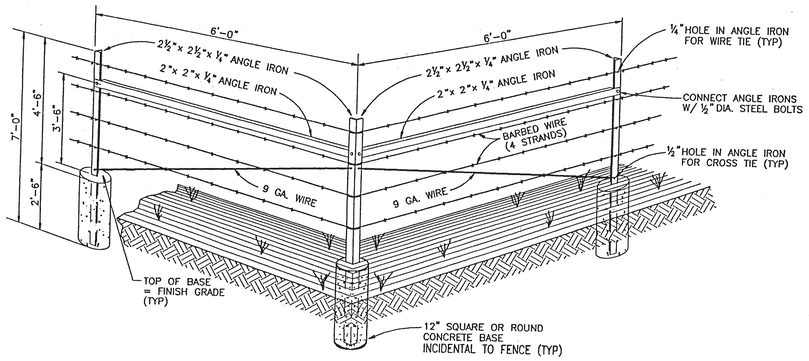


LOW FLOW CHANNEL @ OUTLET STRUCTURE – SECTION B–B
SCALE: 1"=2'

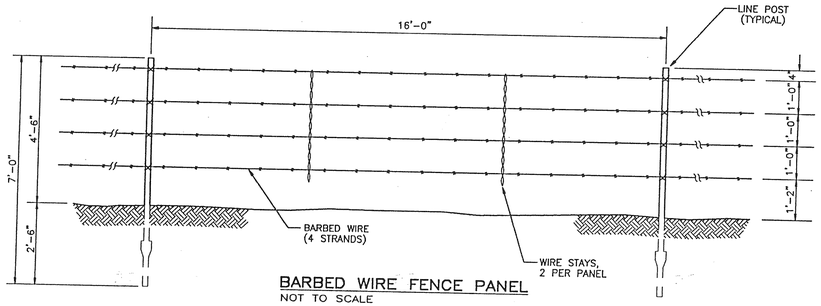


LOW FLOW CHANNEL TYPICAL SECTION – SECTION C–C
SCALE: 1"=2'

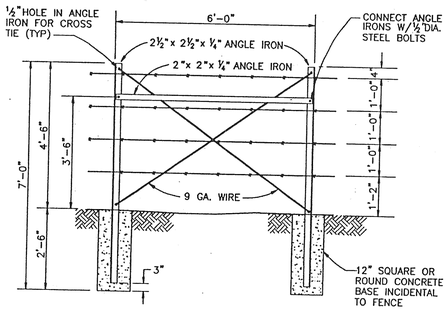
LOW FLOW CHANNEL



FENCE CORNER PANEL
NOT TO SCALE



BARBED WIRE FENCE PANEL
NOT TO SCALE



FENCE PULL PANEL
NOT TO SCALE

FENCE

RECORD DRAWING
I, Charles M. Easterling, hereby certify that these drawings have been revised in accordance with the information furnished by Surv-Tek, Inc. to reflect the construction as actually accomplished.

5-8-97
Charles M. Easterling, P.E. Date:
N.M.P.E. No. 6411

FENCE NOTES

1. PULL PANELS SHALL BE CONSTRUCTED AT THE MIDPOINT OF FENCE RUNS LONGER THAN 990 FT.
2. PULL PANELS SHALL BE CONSTRUCTED AT BOTH SIDES OF PIPE GATE OPENINGS. THE EXACT LOCATION OF PIPE GATE OPENINGS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD AT THE TIME OF CONSTRUCTION.

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY — DATE
INSPECTOR'S FIELD ACCEPTANCE BY — DATE
VERIFICATION BY — DATE
CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
STATION NAME: I-40-20A
N.M.S.H.C. BRASS TABLET LOCATED ON THE NORTH SIDE OF U.S. HWY. I-40 AND ABOUT 465' EAST OF UNSER BLVD. OVERPASS
NORTHING: 1,490,199.7
EASTING: 365,926.16
ELEVATION: 5165.89

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY
TOPO	4-93	GEO SERVICE

ENGINEERS SEAL
CHARLES M. EASTERLING 6411 REGISTERED PROFESSIONAL ENGINEER 5-8-97

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
	DATE 10/93		VSF, JML
	DATE 10/93		PMT, JMM
	DATE 9/94		VSF, CME

DESIGNED BY VSF, JML
DRAWN BY PMT, JMM
CHECKED BY VSF, CME

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-7/8
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

ALBUQUERQUE METROPOLITAN
ARROYO FLOOD CONTROL
AUTHORITY

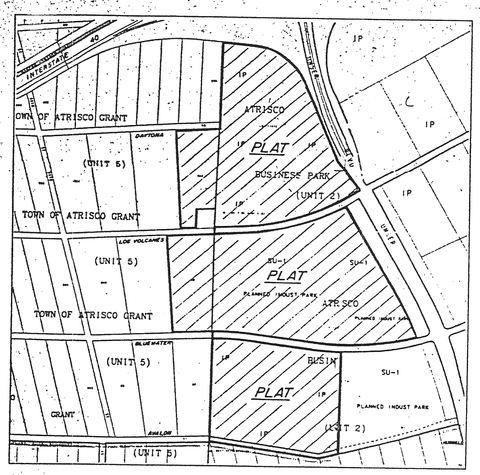
TITLE: UNSER DIVERSION
LOW FLOW CHANNEL AND FENCE
DETAILS AND SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
AMAFCA					

PROJECT NO. 3324.0
5865.81
MAP NO. Z-K9
SHEET 19 OF 25

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-5865.81 1901

DWG: T:\PROJECTS\TEMP\DWG\3324\SHEET25
TIME: 11-20-96 13:09:44



Vicinity Map
N.T.S.

GENERAL NOTES

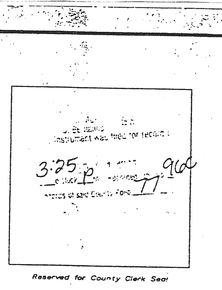
1. Bearings are grid based upon the New Mexico State Plane Coordinate System, Central Zone (NAD 27) and rotated to grid at the Albuquerque Control Survey Monument "1-J9".
2. Distances are ground.
3. All corners are a 5/8" rebar and surveap stamped "HUGG LS 5823" unless otherwise indicated.
4. Bearings and Distances shown in parenthesis ( ) are record.
5. Zone Atlas Pages J-9, J-10, K-9 and K-10.
6. U.C.L.S. Log Number 95020916450390

DISCLOSURE STATEMENT

The purpose of this Right of Way Map is to dedicate to the City of Albuquerque in fee simple the various street right of way parcels shown hereon; to create Tracts T-2, T-3, T-4, T-5, J-2, J-3, B-8B, Lot 2-A1 and 2-A2 for the future conveyance to Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA) for drainage control purposes in connection with the Unser Diversion Channel Project pursuant to Agreement for Atrisco Business Park Storm Water Improvements dated July 16, 1993 and recorded August 25, 1993 in Bk. 93-23 at pg.s 3090-3110 as Doc # 93-093160 Records of Bernalillo County Clerk, Bernalillo County, New Mexico; to grant the public utility easements shown hereon; to show the 7' public utility easement and that portion of a 50' drainage easement vacated by V-95-111 ; and to replat the remainders of the lots and tracts in conformance with the Albuquerque Subdivision Ordinance.

NOTE:

Prior to development, City of Albuquerque Water and Sanitary Sewer Service to this property must be verified and coordinated with the Public Works Department, City of Albuquerque, via a request for a water and sewer availability statement.



Reserved for County Clerk Seal

96020106

RIGHT OF WAY MAP

UNSER DIVERSION CHANNEL CORRIDOR

(BEING A REPLAT OF A PORTION OF ATRISCO BUSINESS PARK, UNIT 2; A PORTION OF TOWN OF ATRISCO GRANT, UNIT 5; AND AN UNPLATTED PARCEL OF LAND)

TOWN OF ATRISCO GRANT
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO

SEPTEMBER , 1995

S-95-46

PUBLIC UTILITY EASEMENTS

PUBLIC UTILITY EASEMENTS shown on this plat are granted for the common and joint use of:

A. The Public Service Company of New Mexico for installation, maintenance, and service of overhead and underground electrical lines, transformers, and other equipment and related facilities reasonably necessary to provide electrical service.

B The Gas Company of New Mexico for installation, maintenance, and service of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas.

C. U.S. West Communications for the installation, maintenance, and service of such lines, cable, and other related equipment and facilities reasonably necessary to provide communication services, including but not limited to ground pedestals and closures.

D. Jones Intercable for the installation, maintenance, and service of such lines, cable, and other related equipment and facilities reasonably necessary to provide Cable TV service.

Included, is the right to build, rebuild, construct, reconstruct, locate, relocate, change, remove, modify, renew, operate, and maintain facilities for the purposes described above, together with free access to, from, and over said easements, including sufficient working area space for electric transformers, with the right and privilege to trim and remove trees, shrubs or bushes which interfere with the purposes set forth herein. No building, sign, pool (aboveground or subsurface), hot tub, concrete or wood pool decking, or other structure shall be erected or constructed on said easements, nor shall any well be drilled or operated thereon. Property owners shall be solely responsible for correcting any violations of National Electrical Safety Code by construction of pools, decking, or any structures adjacent to or near easements shown on this plat.

By approving this plat, PNM Electric Services and Gas Services (PNM) did not conduct a Title Search of the properties shown hereon. Consequently, PNM does not require nor release any easement or easement rights which may have been granted by prior plat, use, or other instrument which are not shown on this plat.

APPROVALS

Gas Company of New Mexico	10-10-95 Date
Public Service Company of New Mexico	10-10-95 Date
U. S. West Communications	10-10-95 Date
Jones Intercable	11-8-95 Date

APPROVALS

Traffic Engineer, City of Albuquerque Public Works Department	1-17-96 Date
City Surveyor, City of Albuquerque Public Works Department	111595 Date
Utility Development Division, City of Albuquerque Public Works Department	12-2-95 Date
Albuquerque Metropolitan Arroyo Flood Control Authority	12-12-95 Date
City Engineer, City of Albuquerque Public Works Department	12-17-95 Date
Property Management, City of Albuquerque	12-14-95 Date
Parks and General Services, City of Albuquerque	12-12-95 Date

APPROVAL as specified by the Albuquerque Subdivision Ordinance.

2.21.96 Date

Chairman, Albuquerque/Bernalillo County Development Review Board

DRB NO. 95-314
V-95-111

SURVEYORS CERTIFICATION

I, Garry P. Hugg, New Mexico Professional Surveyor Number 5823, hereby certify that this plat of survey was prepared from field notes of an actual ground survey performed by me or under my supervision; that it meets the Standards for Land Surveys in New Mexico as adopted by the New Mexico State Board of Registration for Professional Engineers and Professional Surveyors; that it meets the minimum requirements for surveys and monumentation of the Albuquerque Subdivision Ordinance; that it shows all easements of record; and that it is true and correct to the best of my knowledge and belief.

Garry P. Hugg
NMPS No. 5823
September 27, 1995

PROFESSIONAL SURVEYOR STATE OF No. 5823 NEW MEXICO GARRY P. HUGG

SHEET 1 OF 12

940172S1

SURV TEK, INC.
Consulting Surveyors
6543 Paradise Blvd. N.W. Albuquerque, New Mexico 87114
Phone: 505-897-3366
Fax: 505-897-3377

LEGAL DESCRIPTION

That certain parcel of land situate within the Town of Atrisco Grant in projected Sections 16, 21 and 22, Township 10 North, Range 2 East, New Mexico Principal Meridian, City of Albuquerque, Bernalillo County, New Mexico comprising: all of Tracts T and J, Atrisco Business Park, Unit 2, as the same is shown and designated on the plat entitled "UNIT NO.2, ATRISCO BUSINESS PARK, ALBUQUERQUE, NEW MEXICO" filed in the office of the County Clerk, of Bernalillo County, New Mexico on June 14, 1973 in Volume D5, folio 157; all of Tract B-8 and a portion of Tract B-14, Town of Atrisco Grant, Unit 5, as the same is shown and designated on the plat entitled "PLAT SHOWING A PORTION OF TRACTS ALLOTTED FROM TOWN OF ATRISCO GRANT IN SCHOOL DISTRICT 28, BERNALILLO COUNTY-NEW MEXICO" filed in the office of the County Clerk of Bernalillo County, New Mexico on December 5, 1944 in Volume D, folio 117; all of Lot 2, Atrisco Business Park, Unit 2, as the same is shown and designated on the plat entitled "SUMMARY PLAT OF TRACTS H-1, H-2, I-1 & I-2 OF UNIT 2, ATRISCO BUSINESS PARK" filed in the office of the County Clerk of Bernalillo County, New Mexico on August 30, 1979 in Volume C15, folio 100 and an unplatted parcel of land bounded on the North by Interstate 40 (Coronado Freeway), on the South by Avalon Road, on the East by Atrisco Business Park, Unit 2 and on the West by the Town of Atrisco Grant, Unit 5, being more particularly described by survey performed by Garry P. Hugg, New Mexico Professional Surveyor Number 5823 using New Mexico State Plane Coordinate System, Central Zone (NAD 27) grid bearings and ground distances as follows:

BEGINNING at a Northwesterly corner of the parcel herein described, (a New Mexico State Highway Commission right of way monument found set in concrete), said point being a point on the Southerly right of way line of Interstate 40 (Coronado Freeway) as shown on the New Mexico State Highway Commission Plan of Way Map New Mexico Project Sheet No. I-040-3(28)148 (revised May 4, 1971) and the Northwest corner of said Tract T, Atrisco Business Park, Unit 2, said point also being the Northeast corner of said unplatted parcel of land, whence (1) the New Mexico State Highway Commission /Albuquerque City Survey Monument "1-J9" bears N 27° 18' 35" E, 1720.68 feet distant and (2) the Albuquerque City Survey Monument "10-K10" bears S 45° 17' 10" E, 2126.17 feet distant; Thence Southeasterly along the Southerly right of way and access control of said Interstate 40 (Coronado Freeway) for the following four (4) courses:

S 85° 09' 54" E,	288.82 feet	to a point of curvature (a New Mexico State Highway Commission right of way monument found set in concrete); Thence,
Southeasterly ,	733.31 feet	on the arc of a curve to the right (said curve having a radius of 622.78 feet, a central angle of 67° 27' 53" and a chord which bears S 31° 26' 50" E, 691.68 feet) to a point of reverse curvature (a New Mexico State Highway Commission right of way monument found set in concrete); Thence,
Southeasterly ,	796.30	feet on the arc of a curve to the left (said curve having a radius of 4415.20 feet, a central angle of 10° 20' 01" and a chord which bears S 22° 51' 41" E, 795.22 feet) to a point on curve (a New Mexico State Highway Commission right of way monument found set in concrete); Thence,
S 41° 28' 57" E,	44.81	feet to a point (a New Mexico State Highway Commission right of way monument found set in concrete) said point being a point of intersection of said Southerly right of way and access control line of Interstate 40 with the Westerly right of way line of Unser Boulevard N.W.; Thence,
S 30° 01' 49" E,	332.53	feet along said Westerly right of way line of Unser Boulevard N.W. to a point of intersection of said Unser Boulevard N.W. with the Northerly right of way line of Los Volcanes Road N.W. (a 5/8" rebar and cap stamped "L.S. 5823" set); Thence Southwesterly along said Northerly right of way line of Los Volcanes Road N.W. for the following three (3) courses,
S 59° 57' 19" W,	132.85	feet to a point of curvature (a 5/8" rebar and cap stamped "L.S. 6126" found in place); Thence,
Southwesterly ,	1036.07	feet along the arc of a curve to the right (said curve having a radius of 2259.83 feet, a central angle of 26° 16' 07" and a chord which bears S 73° 05' 22" W, 1027.02 feet) to a point of tangency (a 5/8" rebar and cap stamped "L.S. 6126" found in place); Thence,
S 86° 13' 26" W,	258.49	feet to the Southwest corner of said Tract T and a point on the Westerly boundary of said Atrisco Business Park, Unit 2 (a 5/8" rebar and cap stamped "L.S. 5823" set); Thence,
S 00° 39' 36" W,	64.19	feet along a line common to the Westerly boundary of said Atrisco Business Park, Unit 2 and the Easterly boundary of said unplatted parcel of land to the Northwest corner of said Tract J, a point on the Southerly right of way line of said Los Volcanes Road N.W. (a 5/8" rebar and cap stamped "L.S. 5823" set); Thence Northeasterly along said Southerly right of way of Los Volcanes Road N.W. for the following three (3) courses,
N 86° 13' 26" E,	263.46	feet to a point of curvature (a 5/8" rebar and cap stamped "L.S. 7430" found in place); Thence,
Northeasterly ,	1065.41	feet on the arc of a curve to the left (said curve having a radius 2323.83 feet, a central angle of 26° 16' 07" and a chord which bears N 73° 05' 22" E, 1056.11 feet) to a point of tangency (a 5/8" rebar and cap stamped "L.S. 7430" found in place); Thence,
N 59° 57' 19" E,	38.79	feet to the Northeast corner of said Tract J, and the Northwest corner of Tract K-1, Atrisco Business Park, Unit 2 as the same is shown and designated on the plat entitled "REPLAT OF PARCEL "A", TRACTS G, AN UNNAMED TRACT, K, L, & PORTIONS OF BLUEWATER ROAD, N.W. & UNSER BLVD., N.W., UNIT NO. 2, ATRISCO BUSINESS PARK TO PARCEL "A-1", TRACTS G-1, H-2-a, K-1, L-1 PORTIONS OF BLUEWATER ROAD, N.W., UNSER BLVD., N.W., AND PORTIONS OF RIGHT-OF-WAY FOR UNSER BLVD., UNIT NO. 2, ATRISCO BUSINESS PARK, WITHIN THE TOWN OF ATRISCO GRANT" filed in the office of the County Clerk of Bernalillo County, New Mexico on August 3, 1982 in Volume C20, folio 9 (a 5/8" rebar and cap stamped "L.S. 5823" set); Thence, Southeasterly along a line common to said Tracts J and K-1 for the following two (2) courses,
S 30° 02' 31" E,	969.07	feet to a point of curvature (a 5/8" rebar and cap stamped "L.S. 5823" set); Thence,
Southeasterly ,	612.40	feet on the arc of a curve to the right (said curve having a radius of 5529.58 feet, a central angle 06° 20' 44" and a chord which bears S 26° 52' 09" E, 612.08 feet) to the Southeast corner of said Tract J and a point on curve on the Northerly right of way line of Bluewater Road N.W. (a 5/8" rebar and cap stamped "L.S. 5823" set) whence said Albuquerque City Survey Monument "10-K1C" bears N 19° 37' 28" W, 1593.69 feet distant; Thence Southwesterly and Northwesterly along the Northerly right of way line of said Bluewater Road N.W. for the following three courses,
Southwesterly ,	1059.92	feet along the arc of a curve to the right (said curve having a radius of 2832.79 feet, a central angle of 21° 26' 16" and a chord which bears S 85° 44' 18" W, 1053.75 feet) to a point of tangency (a 5/8" rebar and cap stamped "L.S. 5823" set); Thence,
N 83° 32' 34" W	671.34	feet to a point of curvature (a 5/8" rebar and cap stamped "L.S. 5823" set); Thence,
Northwesterly ,	363.26	feet along the arc of a curve to the left (said curve having a radius of 2189.46 feet, a central angle of 09° 30' 22" and a chord which bears N 88° 17' 43" W, 362.84 feet) to the Southwest corner of said Tract J and a point on the Westerly boundary of said Atrisco Business Park, Unit 2 (a 5/8" rebar and cap stamped "L.S. 5823" set); Thence,
S 00° 39' 36" W,	64.14	feet along a line common to the Westerly boundary of said Atrisco Business Park, Unit 2 and the Easterly Boundary of said unplatted parcel of land to a point, (a 5/8" rebar and cap stamped "L.S. 5823" set) being the Northwest corner of said Lot 2, Atrisco Business Park, Unit 2 and a point on the Southerly right of way line of Bluewater Road N.W.; Thence Southwesterly along the Southerly right of way line of said Bluewater Road N.W. for the following three (3) courses,
Southeasterly ,	356.79	feet along the arc of a curve to the right (said curve having a radius of 2125.46 feet a central angle of 09° 37' 04" and a chord which bears S 88° 21' 05" E, 356.37 feet) to a point of tangency (a 5/8" rebar and cap stamped "L.S. 5823" set); Thence,
S 83° 32' 34" E,	671.34	feet to a point of curvature (a 5/8" rebar and cap stamped "L.S. 5823" set); Thence,
Southeasterly ,	306.45	feet along the arc of a curve to the left (said curve having a radius of 2896.79 feet, a central angle of 06° 03' 41" and a chord which bears S 86° 34' 26" E, 306.31 feet) to a point on curve and the Northeast corner of said Lot 2, also being the Northwest corner of Lot 1, said Atrisco Business Park, Unit 2 (a 5/8" rebar and cap stamped "L.S. 5823" set); Thence,
S 00° 22' 19" W,	1013.17	feet along a line common to said Lots 1 and 2 to the Southeast corner of said Lot 2 and a point on a Southeasterly line of said Town of Atrisco Grant, Unit 4 (a 5/8" rebar and cap stamped "L.S. 5823" set); Thence Southwesterly and Northwesterly along a line common to said Lot 2 and said Town of Atrisco Grant, Unit 4 for the following four (4) courses,
S 75° 04' 57" W,	257.77	feet to a point (a 5/8" rebar and cap stamped "L.S. 5823" set); Thence,
N 83° 32' 41" W,	448.10	feet to a point (a 5/8" rebar and cap stamped "L.S. 5823" set); Thence,
N 83° 57' 38" W,	434.86	feet to a point (a 5/8" rebar and cap stamped "L.S. 5823" set); Thence,
N 83° 48' 13" W,	212.58	feet to the Southwest corner of said Lot 2 and the Southeast corner of said unplatted parcel of land (a 5/8" rebar and cap stamped "L.S. 5823" set); Thence,
N 83° 48' 13" W,	3.39	feet along a line common to said unplatted parcel of land and said Town of Atrisco Grant, Unit 4 to a point (a 5/8" rebar and cap stamped "L.S. 5823" set), said point being the Southwest corner of said unplatted parcel of land and a point on the Easterly boundary of said Town of Atrisco Grant, Unit 5 whence the Northeast corner of Tract B-1-A, Town of Atrisco Grant, Unit 5, filed in the office of the County Clerk on April 8, 1986 in Volume C30, folio 19 (a 5/8" rebar and cap stamped "L.S. 11184") bears S 00°22'57"W, 30.83 feet distant; Thence,
N 00° 22' 58" E,	29.76	feet along a line common to the Westerly boundary of said unplatted parcel of land and the Easterly boundary of said Town of Atrisco Grant, Unit 5 to a point (a 3/4" iron pipe found in place) said point being the Southeast corner of said Lot B-7 and a point on the Northerly right of way line of Avalon Road N.W.; Thence,
N 00° 19' 15" E,	1037.00	feet along a line common to said Lot B-7 (also being the Easterly boundary of said Town of Atrisco Grant, Unit 5) and the Westerly boundary of said unplatted parcel of land to the Northeast corner of said Tract B-7 and a point on the Southerly right of way line of Bluewater Road; Thence,
N 00° 19' 40" E,	60.10	feet along a line common to the Easterly boundary of said Town of Atrisco Grant, Unit 5 and the Westerly boundary of said unplatted parcel of land to the Southeast corner of said Tract B-8, a point on the Northerly right of way line of said Bluewater Road N.W. (a 5/8" rebar and cap stamped "L.S. 5823" set); Thence,
S 87° 01' 47" W,	411.62	feet along said Northerly right of way line of Bluewater Road N.W. and the Southerly line of said Tract B-8 to the Southwest corner of said Tract B-8 and the Southeast corner of Tract B-9 (a 5/8" rebar and cap stamped LS 5823 set); Thence,

Continued on Sheet 3;

Reserved for County Clerk Seal

96020106

RIGHT OF WAY MAP

UNSER DIVERSION CHANNEL CORRIDOR

(BEING A REPLAT OF A PORTION OF ATRISCO BUSINESS PARK, UNIT 2; A PORTION OF TOWN OF ATRISCO GRANT, UNIT 5; AND AN UNPLATTED PARCEL OF LAND)

TOWN OF ATRISCO GRANT
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO

SEPTEMBR , 1995

PROFESSIONAL SURVEYOR STATE OF No. 5823 NEW MEXICO GARRY P. HUGG

SHEET 2 OF 12

SURV TEK, INC.
Consulting Surveyors
6543 Paradise Blvd. N.W. Albuquerque, New Mexico 87114
Phone: 505-897-3366
Fax: 505-897-3377

40172S2

26-5865.81-2001
5865.81
SHEET 20 OF 25

LEGAL DESCRIPTION Continued from Sheet 2:

N 04° 45' 50" W, 1029.33 feet along a line common to said Tracts B-8 and B-9 to the Northwest corner of said Tract B-8, a point on the Southerly right of way line of Los Volcanes Road N.W. (a 5/8" rebar and cap stamped "L.S. 5823" set); Thence,

N 86° 17' 40" E, 503.54 feet along said Southerly right of way line of Los Volcanes Road N.W. to the Northeast corner of said Tract B-8, a point on the Easterly Boundary of said Town of Atrisco Grant, Unit 5 (a 5/8" rebar and cap stamped "L.S. 5823" set); Thence,

N 00° 19' 40" E, 60.10 feet along a line common to the Easterly boundary of said Town of Atrisco Grant, Unit 5 and the Westerly boundary of said unplatted parcel of land to the Southeast corner of said Tract B-14, a point on the Northerly right of way line of Los Volcanes Road N.W. (a 5/8 rebar and cap stamped "L.S. 5823" set); Thence,

N 00° 19' 40" E, 150.00 feet along the line common to said Easterly boundary of said Town of Atrisco Grant, Unit 5 and the Westerly boundary of said unplatted parcel of land to the Northeast corner of the City of Albuquerque Well Site parcel (a 5/8 rebar and cap stamped "L.S. 5823" set); Thence,

S 86° 17' 40 "W, 150.00 feet to the Northwest corner of the City of Albuquerque Well Site parcel (a 5/8 rebar and cap stamped "L.S. 5823" set); Thence,

S 00° 19' 40" W, 150.00 feet to the Southwest corner of the City of Albuquerque Well Site parcel, a point on the Northerly right of way line of Los Volcanes Road N.W. (a 5/8 rebar and cap stamped "L.S. 5823" set); Thence,

S 86° 17' 40" W, 231.70 feet along said Northerly right of way line of Los Volcanes Road N.W. to the Southwest corner of said Tract B-14 and the Southeast corner of Tract B-13 (a 5/8" rebar and cap stamped "L.S. 5823" set); Thence,

N 03° 29' 04" W, 1030.48 feet along a line common to said Tracts B-13 and B-14 to the Northwest corner of said Tract B-14, a point on the Southerly right of way line of Daytona Road N.W. (a 5/8" rebar and cap stamped "L.S. 5823"); Thence,

N 85° 47' 44" E, 450.68 feet along said Southerly right of way line of Daytona Road N.W. to the Northeast corner of said Tract B-14, a point on the Easterly boundary of said Town of Atrisco Grant, Unit 5 (a 1" iron pipe found in place) ; Thence,

N 00° 19' 40" E, 60.19 feet along a line common to the Easterly boundary of said Town of Atrisco Grant, Unit 5 and the Westerly boundary of said unplatted parcel of land to the Southeast corner of Tract B-15, Town of Atrisco Grant, Unit 5 and a point on the Northerly right of way line of said Daytona Road N.W. (a 5/8" rebar and cap stamped "L.S. 5823" set); Thence,

N 00° 20' 29" E, 798.90 feet along a line common to said Tract B-15 (also being the Easterly boundary of said Town of Atrisco Grant, Unit 5) and the Westerly boundary of said unplatted parcel of land to the Northwest corner of the parcel herein described (a 5/8" rebar and cap stamped "U.S. 7719" found in place) said point being the Northeast corner of said Tract B-15 and a point on the Southerly right of way line of said Interstate 40 (Coronado Freeway) whence a New Mexico State Highway Commission right of way monument (found set in concrete) bears N 85° 15' 47" W, 182.67 feet distant; Thence,

S 85° 11' 51" E, 27.25 feet along a line common to said Southerly right of way line of Interstate 40 (Coronado Freeway) and the Northerly boundary of said unplatted parcel of land to the point of beginning of the parcel herein described.

Said parcel contains 144.8648 acres more or less.

FREE CONSENT AND DEDICATION

SURVEYED and REPLATTED and now comprising RIGHT OF WAY MAP, UNSER DIVERSION CHANNEL CORRIDOR (BEING A REPLAT OF A PORTION OF ATRISCO BUSINESS PARK, UNIT 2; A PORTION OF TOWN OF ATRISCO GRANT, UNIT 5, AND AN UNPLATTED PARCEL OF LAND), TOWN OF ATRISCO GRANT, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, with the free consent of and in accordance with the wishes and desires of the undersigned Owner(s) and Proprietor(s) thereof, Said owner(s) and Proprietor(s) do hereby dedicate to the City of Albuquerque in fee simple with warranty covenants all additional street Right of Way shown hereon. Said Owner(s) and Proprietor(s) do hereby certify that they are so authorized to act.

Owners of Tracts T-1, T-2, T-5, Lots 2-A and 2-A1
SUNWEST BANK OF ALBUQUERQUE, N.A., A National Banking Association

David Garrett, Assistant Vice President

Owners of Tract J-1 and J-2
THE BELL GROUP, INC., a New Mexico Corporation

Hugh Bell, President

Owners of the Tracts T-3, T-4, J-3 and Lot 2-A2
WESTLAND DEVELOPMENT CO., INC., a New Mexico corporation

Barbara Page, President and C. E. O.

Owners of Tracts B-8A, B-8B, B-14A and B-14B

Helen Mary Van Atta Ellis — James Ellis, her husband

John G. Keleher — Linda B. Keleher, his wife

Michael L. Keleher — Margaret W. Keleher, his wife

Thomas F. Keleher — Gretchen C. Keleher, his wife

William B. Keleher — Jan R. Keleher, his wife

Myrle Amanda Van Atta Redmond

Elizabeth Redmond Allbright, a married person

Margaret Amanda Redmond, F/K/A
Margaret Redmond Haughton, a single person

Kirby H. Oehmke as Personal Representative of the Estate of Rebecca Clare Van Atta Spence Oehmke

Kirby H. Oehmke, a widower

Bernalillo Co.
I hereby certify that this instrument was filed for record on the
3:25 PM day of Jan 1996 and duly recorded in Book
Page 960 of the records of said County
Fee 77

Reserved for County Clerk Seal

96020106

RIGHT OF WAY MAP
UNSER DIVERSION CHANNEL CORRIDOR

(BEING A REPLAT OF A PORTION OF ATRISCO BUSINESS PARK, UNIT 2; A PORTION OF TOWN OF ATRISCO GRANT, UNIT 5; AND AN UNPLATTED PARCEL OF LAND)

TOWN OF ATRISCO GRANT
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO

OCTOBER , 1995

ACKNOWLEDGEMENT

STATE OF NEW MEXICO
COUNTY OF BERNALILLO

This instrument was acknowledged before me on November 9, 1995, by Barbara Page, as President and C.E.O. of Westland Development Co., Inc., a New Mexico corporation.

Notary Public — My commission expires 2/5/97

ACKNOWLEDGEMENT

STATE OF NEW MEXICO
COUNTY OF BERNALILLO

This instrument was acknowledged before me on OCTOBER 11, 1995, by Hugh Bell, as President of the Bell Group, Inc., a New Mexico corporation.

Notary Public — My commission expires 5-22-99.

ACKNOWLEDGEMENT

STATE OF NEW MEXICO
COUNTY OF BERNALILLO

This instrument was acknowledged before me on November 7, 1995, by David Gorrett as Assistant Vice President of Sunwest Bank of Albuquerque, N.A., a National Banking Association.

Notary Public — OFFICIAL SEAL Margie R. Scholl, NOTARY PUBLIC, STATE OF NEW MEXICO, My Commission Expires: 7-2-98

ACKNOWLEDGEMENT

STATE OF NEW MEXICO
COUNTY OF BERNALILLO

This instrument was acknowledged before me on November 3, 1995, by William B. Keleher and Jan R. Keleher, his wife.

Notary Public — My commission expires May 19, 1999

ACKNOWLEDGEMENT

STATE OF NEW MEXICO
COUNTY OF BERNALILLO

This instrument was acknowledged before me on Oct 27, 1995, by Thomas F. Keleher and Gretchen C. Keleher, his wife.

Notary Public — My commission expires 1/27/98.

PROFESSIONAL SURVEYOR — STATE OF NEW MEXICO — No. 5823 — GARRY P. HUGGS

SHEET 3 OF 12

SURVTEK, INC.
Consulting Surveyors
5643 Paradise Blvd. N.W. Albuquerque, New Mexico 87114
Phone: 505-897-3368
Fax: 505-897-3377

94017253

Bernalillo Co.
I hereby certify that this instrument was filed for record on the
3:25 PM day of Jan 1996 and duly recorded in Book
Page 960 of the records of said County
Fee 77

Reserved for County Clerk Seal

96020106

RIGHT OF WAY MAP
UNSER DIVERSION CHANNEL CORRIDOR

(BEING A REPLAT OF A PORTION OF ATRISCO BUSINESS PARK, UNIT 2; A PORTION OF TOWN OF ATRISCO GRANT, UNIT 5; AND AN UNPLATTED PARCEL OF LAND)

TOWN OF ATRISCO GRANT
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO

SEPTEMBER , 1995

ACKNOWLEDGEMENT

STATE OF NEW MEXICO
COUNTY OF BERNALILLO

This instrument was acknowledged before me on November 3, 1995, by Micheal L. Keleher and Margaret W. Keleher, his wife.

Notary Public — My commission expires May 19, 1998

ACKNOWLEDGEMENT

STATE OF NEW MEXICO
COUNTY OF BERNALILLO

This instrument was acknowledged before me on NOVEMBER 1, 1995, by Myrle Amanda Van Atta Redmond.

Notary Public — My commission expires: 10/19/97

ACKNOWLEDGEMENT

STATE OF NEW MEXICO
COUNTY OF BERNALILLO

This instrument was acknowledged before me on OCTOBER 11, 1995, by Helen Mary Van Atta Ellis and James Ellis, her husband.

Notary Public — My commission expires: 5/22/99

ACKNOWLEDGEMENT

STATE OF NEW MEXICO
COUNTY OF BERNALILLO

This instrument was acknowledged before me on November 1, 1995, by Kirby H. Oehmke as Personal Representative of the Estate of Rebecca Clare Van Atta Spence Oehmke.

Notary Public — My commission expires: 9-13-97

ACKNOWLEDGEMENT

STATE OF NEW MEXICO
COUNTY OF BERNALILLO

This instrument was acknowledged before me on November 1, 1995, by Kirby H. Oehmke, a widower

Notary Public — My commission expires: 9-13-97

ACKNOWLEDGEMENT

STATE OF NEW MEXICO
COUNTY OF BERNALILLO

This instrument was acknowledged before me on October 30, 1995, by John G. Keleher and Linda B. Keleher, his wife.

Notary Public — My commission expires: March 30, 1998

ACKNOWLEDGEMENT

STATE OF NEW MEXICO
COUNTY OF BERNALILLO

This instrument was acknowledged before me on November 1, 1995, by Margaret Amanda Redmond, F/K/A Margaret Redmond Haughton, a single person.

Notary Public — My commission expires: 10/19/97

ACKNOWLEDGEMENT

STATE OF NEW MEXICO
COUNTY OF BERNALILLO

This instrument was acknowledged before me on November 6, 1995, by Elizabeth Redmond Allbright, a married person.

Notary Public — My commission expires: 9/13/97

PROFESSIONAL SURVEYOR — STATE OF NEW MEXICO — No. 5823 — GARRY P. HUGGS

SHEET 4 OF 12

SURVTEK, INC.
Consulting Surveyors
5643 Paradise Blvd. N.W. Albuquerque, New Mexico 87114
Phone: 505-897-3368
Fax: 505-897-3377

5865.81
SHEET 21 OF 25
26-5865.81 12/10/97

94017254

96020106

RIGHT OF WAY MAP
UNSER DIVERSION CHANNEL CORRIDOR

(BEING A REPLAT OF A PORTION OF ATRISCO BUSINESS PARK, UNIT 2; A PORTION OF TOWN OF ATRISCO GRANT, UNIT 5; AND AN UNPLATTED PARCEL OF LAND)

TOWN OF ATRISCO GRANT
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO

SEPTEMBER, 1995

Reserved for County Clerk Seal

LINE TABLE

LINE	DIRECTION	DISTANCE
L1	S 85°09'54" E	288.82'
L2	S 58°57'19" W	132.85'
L3	S 41°28'57" E	44.81'
L4	N 59°57'19" E	38.79'
L5	N 86°13'26" E	263.46'
L6	S 86°13'26" W	252.49'
L9	S 87°01'47" W	411.62'
L10	S 86°17'40" W	231.70'
L11	S 85°11'51" E	27.25'
L12	N 00°20'03" E	790.84'
L13	N 14°03'13" W	83.92'
L14	S 00°39'36" W	394.98'
L15	N 29°42'53" E	72.07'
L16	N 00°39'36" E	499.58'
L26	S 85°09'54" E	264.91'
L28	S 85°09'54" E	23.91'
L29	N 86°13'26" E	15.04'
L33	N 86°13'26" E	72.22'
L35	S 89°20'24" E	130.64'
L42	S 00°39'36" W	567.17'
L43	S 00°33'55" E	187.04'
L44	S 00°39'36" W	281.11'
L45	N 86°17'40" E	64.48'
L55	S 00°39'36" W	64.19'
L56	S 00°39'36" W	64.14'
L57	N 83°48'13" W	212.58'
L58	N 00°22'58" E	29.76'
L59	N 83°48'13" W	175.92'
L60	N 83°48'15" W	3.39'
L61	N 00°39'36" E	223.38'
L62	N 00°39'36" E	839.54'
L65	N 83°48'13" W	33.37'
L66	N 00°19'40" E	60.10'
L67	N 00°19'40" E	60.10'
L68	N 86°17'40" E	503.54'
L69	N 85°47'44" E	450.68'
L70	N 00°19'40" E	60.19'
L71	S 86°13'26" W	243.45'
L72	S 00°19'40" W	365.76'
L73	S 00°19'40" W	521.21'
L74	N 00°39'36" E	475.00'
L75	S 88°11'42" W	59.79'
L77	N 00°39'36" E	2.00'
L78	N 00°39'36" E	2.00'
L79	S 00°22'19" W	2.00'
L80	N 83°40'17" E	16.49'
L81	N 81°58'07" W	16.16'
L82	N 69°22'10" E	10.74'
L83	N 66°08'22" W	10.51'
L84	N 83°33'34" W	671.34'
L85	S 83°33'34" E	671.34'
L88	S 00°22'57" W	30.93'
L89	N 00°19'40" E	150.00'
L90	S 86°17'40" W	150.00'
L91	S 00°19'40" W	150.00'
L92	S 85°47'52" W	22.82'
L93	S 85°47'52" W	28.45'
L94	N 85°47'44" E	22.47'
L95	N 85°47'44" E	28.94'
L96	S 14°03'14" E	83.31'
L97	S 14°03'14" E	0.61'
L98	N 85°47'52" E	51.26'
L99	S 00°20'03" W	59.58'
L100	S 85°47'44" W	51.41'
L101	N 86°17'40" E	94.25'
L102	S 86°58'14" W	94.19'
L103	N 00°39'35" E	2.01'
L104	S 86°58'14" W	16.04'

LINE TABLE
(RECORD INFORMATION)

LINE	DIRECTION	DISTANCE
L1	(S 85°08'00" E)	(288.91')
L2	(S 60°00'00" W)	(132.85')
L3	(S 41°20'05" E)	(44.88')
L4	(N 60°00'00" E)	(38.86')
L5	(N 86°16'00" E)	(263.50')
L6	(S 86°16'00" W)	(258.54')
L9	(N 86°42' E)	(411.62')
L57	(N 83°45'25" W)	(209.15')
L68	(N 85°28' E)	(503.54')
L69	(N 85°28' E)	(450.68')
L84	(N 83°30'06" W)	(671.34')
L85	(S 83°30'06" E)	(671.34')
L90	(S 85°58' W)	(150.0')

CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	622.78'	733.31'	415.85'	691.68'	S 51°26'50" E	67°27'53"
C2	4415.20'	796.30'	399.23'	795.22'	S 22°51'41" E	10°20'01"
C3	2323.83'	1065.41'	542.24'	1056.11'	N 73°05'22" E	26°16'07"
C4	2259.83'	1036.07'	527.37'	1027.02'	S 73°05'22" W	26°16'07"
C5	2896.79'	306.45'	153.37'	306.31'	S 86°34'26" E	06°03'41"
C6	2125.46'	356.79'	178.81'	356.37'	S 88°21'05" E	09°37'04"
C7	2189.46'	363.28'	182.05'	362.84'	N 88°17'43" W	09°30'22"
C8	2832.79'	1059.82'	536.23'	1053.75'	S 85°44'18" W	21°26'16"
C9	5529.58'	612.40'	306.51'	612.08'	S 26°52'09" E	06°20'44"
C10	2123.46'	175.11'	87.60'	175.06'	N 89°11'54" E	04°43'29"
C12	2123.46'	181.48'	90.79'	181.42'	S 85°59'27" E	04°53'48"
C13	2191.46'	291.37'	145.90'	291.16'	N 87°21'04" W	07°37'05"
C15	2191.46'	72.09'	36.05'	72.08'	S 87°53'51" W	01°53'05"
C16	2830.79'	1058.86'	535.69'	1053.70'	S 85°44'29" W	21°26'54"
C17	2896.79'	306.66'	153.47'	306.52'	S 86°34'26" E	06°03'41"
C18	5529.58'	2.02'	1.01'	2.02'	S 23°42'25" E	00°01'15"
C19	5529.58'	610.37'	305.30'	610.06'	S 26°52'47" E	06°19'28"

CURVE TABLE
(RECORD INFORMATION)

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	(622.78')	(733.41')		(691.76')	(S 51°23'45" E)	(67°28'26")
C2	(4415.20')	(796.28')		(795.20')	(S 22°48'50" E)	(10°20'00")
C3	(2323.83')	(1065.34')				
C4	(2259.83')	(1036.00')				
C5	(2896.79')	(306.69')				
C6	(2125.46')	(356.73')				
C7	(2189.46')	(363.26')				
C8	(2832.79')	(1059.90')				
C9	(5529.58')	(612.22')				

PROFESSIONAL SURVEYOR
STATE OF NEW MEXICO
No. 5823
GARRY P. HUGG

SHEET 5 OF 12

SURVTEK, INC.
Consulting Surveyors
5643 Paradise Blvd. N.W. Albuquerque, New Mexico 87114
Phone: 505-897-3366
Fax: 505-897-3377

96020106

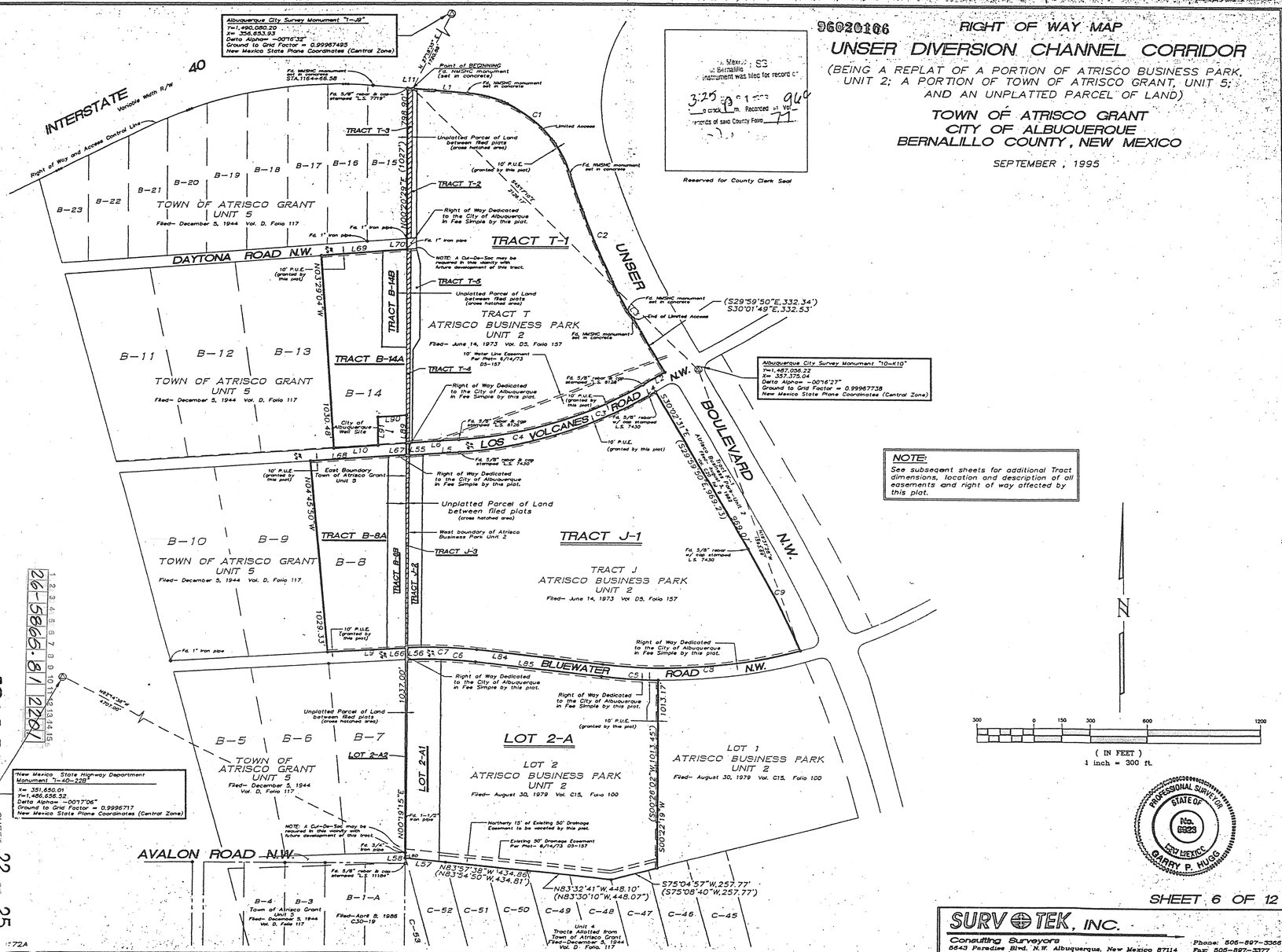
RIGHT OF WAY MAP
UNSER DIVERSION CHANNEL CORRIDOR

(BEING A REPLAT OF A PORTION OF ATRISCO BUSINESS PARK, UNIT 2; A PORTION OF TOWN OF ATRISCO GRANT, UNIT 5; AND AN UNPLATTED PARCEL OF LAND)

TOWN OF ATRISCO GRANT
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO

SEPTEMBER, 1995

Reserved for County Clerk Seal



PROFESSIONAL SURVEYOR
STATE OF NEW MEXICO
No. 6923
GARRY P. HUGG

SHEET 6 OF 12

SURVTEK, INC.
Consulting Surveyors
5643 Paradise Blvd. N.W. Albuquerque, New Mexico 87114
Phone: 505-897-3366
Fax: 505-897-3377

26-5865.81 2220
5865.81
SHEET 22 OF 25

96020106

RIGHT OF WAY MAP
UNSER DIVERSION CHANNEL CORRIDOR

(BEING A REPLAT OF A PORTION OF ATRISCO BUSINESS PARK, UNIT 2; A PORTION OF TOWN OF ATRISCO GRANT, UNIT 5; AND AN UNPLATTED PARCEL OF LAND)

TOWN OF ATRISCO GRANT
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO

SEPTEMBER , 1995

Albuquerque City Survey Monument "1-J9"
Y=1,490,080.20
X= 356,653.93
Delta Alpha= -0016'32"
Ground to Grid Factor = 0.9996748
New Mexico State Plane Coordinates (Central Zone)

INTERSTATE 40
Variable Width R/W

Point of BEGINNING
Fd. NMSHC monument
set in concrete

Fd. NMSHC monument set in concrete

Fd. NMSHC monument set in concrete

Fd. 5/8" rebar & cap stamped "L.S. 7719"

R/W and Access Control Line

TRACT T-2
(See Sheet 9)

7' PUBLIC UTILITY EASEMENT
Per Plat Filed-June 14, 1973
Vol. D5 Folio 157
Vacated by V-95-

10' PUBLIC UTILITY EASEMENT
(granted by this plat)

East boundary Town of Atrisco Grant Unit 5

B-19 B-18 B-17 B-16 B-15

TRACT T-3
(See Sheet 9)

Unplatted Parcel of Land between filed plats. (cross hatched area)

TOWN OF ATRISCO GRANT UNIT 5
Filed- December 5, 1944 Vol. D, Folio 117

West boundary of Atrisco Business Park Unit 2

Additional Right of Way Dedicated to the City of Albuquerque in Fee Simple by this plat. (shaded area) (See Sheet 9)

Fd 1" iron pipe

Fd 1" iron pipe

DAYTONA ROAD N.W.

NOTE: A Cul-De-Sac may be required in this vicinity with future development of this tract.

TRACT T-1
39.3338 Ac.

10' PUBLIC UTILITY EASEMENT
(granted by this plat)

Unplatted Parcel of Land between filed plats. (cross hatched area)

TRACT B-14B
5.3331 Ac.

TRACT T-5
(See Sheet 9)

TRACT T
ATRISCO BUSINESS PARK
UNIT 2
Filed- June 14, 1973 Vol. D5, Folio 157

Fd. NMSHC monument set in concrete

Fd. NMSHC monument set in concrete

End of Limited Access

(S28°59'50"E, 332.34')
S30°01'49"E, 332.53'

B-12 B-13 TRACT B-14

TRACT B-14A
7.8180 Ac.

TOWN OF ATRISCO GRANT UNIT 5
Filed- December 5, 1944 Vol. D, Folio 117

10' Water Line Easement
Per Plat Filed-June 14, 1973
Vol. D5 Folio 157 (vacated from plat)

CITY OF ALBUQUERQUE WELL SITE
Per Warranty Deed Filed-October 23, 1961
Vol. D616 Fol. 35

TRACT T-4
(See Sheet 9)

10' PUBLIC UTILITY EASEMENT
(granted by this plat)

Fd. 5/8" rebar & cap stamped "L.S. 8128"

Fd. 5/8" rebar & cap stamped "L.S. 7430"

2' P.N.M. & MOUNTAIN STATES TELEPHONE & TELEGRAPH EASEMENT
Per Doc. Filed- June 11, 1963
Bk D698 Pg 352

LOS VOLCANES ROAD N.W.

10' PUBLIC UTILITY EASEMENT
(granted by this plat)

Fd. 5/8" rebar & cap stamped "L.S. 7430"

Additional Right of Way Dedicated to the City of Albuquerque in Fee Simple by this plat. (shaded area) (See Sheet 9)

East boundary Town of Atrisco Grant Unit 5

Unplatted Parcel of Land between filed plats. (cross hatched area)

TRACT J-3
(See Sheet 10)

TRACT J-1
47.7287 Ac.

TRACT J
ATRISCO BUSINESS PARK
UNIT 2
Filed- June 14, 1973 Vol. D5, Folio 157

B-9

TRACT B-8A
8.5315 Ac.

TRACT B-8B
(See Sheet 10)

TRACT J-2
(See Sheet 10)

TRACT B-8

TOWN OF ATRISCO GRANT UNIT 5
Filed- December 5, 1944 Vol. D, Folio 117

West boundary of Atrisco Business Park Unit 2

7' PUBLIC UTILITY EASEMENT
Per Plat Filed-June 14, 1973
Vol. D5 Folio 157
Vacated by V-95-

Fd. 5/8" rebar & cap stamped "L.S. 7430"

UNSER BOULEVARD N.W.
(Variable width R/W)

Atrisco Business Park Unit 2
Filed- August 30, 1979
Vol. C15, Folio 100

Tract A-1 of Plat of Tract A-1 Atrisco Business Park Unit 2

(S29°59'50"E, 963.27')
S30°01'49"E, 963.07'

NOTE:
See subsecent sheets for additional Tract dimensions, location and description of all easements and right of way affected by this plat

Reserved for County Clerk Seal

200 0 100 200 400 800
(IN FEET)
1 inch = 200 ft.

PROFESSIONAL SURVEYOR
STATE OF
No. 5823
NEW MEXICO
GARRY P. HUGG

SHEET 7 OF 12

940172B

SURV TEK, INC.
Consulting Surveyors
5643 Paradise Blvd. N.W. Albuquerque, New Mexico 87114
Phone: 505-897-3366
Fax: 505-897-3377

96020106

RIGHT OF WAY MAP
UNSER DIVERSION CHANNEL CORRIDOR

(BEING A REPLAT OF A PORTION OF ATRISCO BUSINESS PARK, UNIT 2; A PORTION OF TOWN OF ATRISCO GRANT, UNIT 5; AND AN UNPLATTED PARCEL OF LAND)

TOWN OF ATRISCO GRANT
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO

SEPTEMBER , 1995

TRACT B-8

East Boundary Town of Atrisco Grant Unit 5

7' PUBLIC UTILITY EASEMENT
Per Plat Filed-June 14, 1973
Vol. D5 Folio 157
Vacated by V-95-

Unplatted Parcel of Land between filed plats (cross hatched area)

TRACT J-3
(See Sheet 10)

West Boundary Town of Atrisco Grant Unit 2

TRACT B-8A
8.5315 Ac.

TRACT B-8B
(See Sheet 10)

TRACT J-2
(See Sheet 10)

TRACT J-1
47.7287 Ac.

TRACT J
ATRISCO BUSINESS PARK
UNIT 2
Filed- June 14, 1973 Vol. D5, Folio 157

B-9

TOWN OF ATRISCO GRANT UNIT 5
Filed- December 5, 1944 Vol. D, Folio 117

10' PUBLIC UTILITY EASEMENT
(granted by this plat)

2' Additional Right of Way dedicated to the City of Albuquerque in Fee Simple by this plat. 0.0961 Ac. (See Sheet 10)

10' PUBLIC UTILITY EASEMENT
(granted by this plat)

BLUEWATER ROAD N.W.

Additional Right of Way dedicated to the City of Albuquerque in Fee Simple by this plat. (shaded area) (See Sheet 10)

2' Additional Right of Way dedicated to the City of Albuquerque in Fee Simple by this plat. 0.0613 Ac. (See Sheet 11)

10' PUBLIC UTILITY EASEMENT
(granted by this plat)

West boundary of Atrisco Business Park Unit 2

Unplatted Parcel of Land between filed plats (cross hatched area)

LOT 2-A2
(See Sheet 10)

LOT 2-A
28.7207 Ac

LOT 2-A1
(See Sheet 11)

LOT 2
ATRISCO BUSINESS PARK
UNIT 2
Filed- August 30, 1979 Vol. C15, Folio 100

LOT 1
ATRISCO BUSINESS PARK
UNIT 2
Filed- August 30, 1979 Vol. C15, Folio 100

B-5 B-6 B-7

TOWN OF ATRISCO GRANT UNIT 5
Filed- December 5, 1944 Vol. D, Folio 117

Albuquerque City Survey Monument "10-K10"
Y=1,487,056.22
X= 357,375.04
Delta Alpha= -0016'27"
Ground to Grid Factor = 0.9996738
New Mexico State Plane Coordinates (Central Zone)

UNSER BOULEVARD N.W.
(Variable width R/W)

New Mexico State Highway Department Monument "N-40-228"
X= 351,650.01
Y=1,486,636.52
Delta Alpha= -0013'06"
Ground to Grid Factor = 0.9996717
New Mexico State Plane Coordinates (Central Zone)

East Boundary Town of Atrisco Grant Unit 5

7' PUBLIC UTILITY EASEMENT
Per Plat Filed-June 14, 1973
Vol. D5 Folio 157
Vacated by V-95-

NORTHERLY 15' OF EXISTING 50' DRAINAGE EASEMENT Vacated by V-95-
(shaded area)

EXISTING 50' DRAINAGE EASEMENT
Per Plat Filed-June 14, 1973
Vol. D5 Folio 157

NOTE: A Cul-De-Sac may be required in this vicinity with future development of this tract.

AVALON ROAD N.W.

Fd. 5/8" rebar & cap stamped "L.S. 11184"

B-4 B-3

Town of Atrisco Grant Unit 5
Filed- December 5, 1944
Vol. D Folio 117

B-1-A

Town of Atrisco Grant Unit 5
Filed- April 8, 1986
Vol. C20 Folio 19

TRACTS ALLOTTED FROM TOWN OF ATRISCO GRANT UNIT 4
Filed- December 5, 1944 Vol. D, Folio 117

C-52 C-51 C-50 C-49 C-48 C-47 C-46 C-45 C-53

NOTE:
See subsecent sheets for additional Tract dimensions, location and description of all easements and right of way affected by this plat.

Reserved for County Clerk Seal

200 0 100 200 400 800
(IN FEET)
1 inch = 200 ft.

PROFESSIONAL SURVEYOR
STATE OF
No. 5823
NEW MEXICO
GARRY P. HUGG

SHEET 8 OF 12

401720

SURV TEK, INC.
Consulting Surveyors
5643 Paradise Blvd. N.W. Albuquerque, New Mexico 87114
Phone: 505-897-33
Fax: 505-897-3377

5865.81
SHEET 23 OF 25
26-5865.81 2301

96020106

RIGHT OF WAY MAP
UNSER DIVERSION CHANNEL CORRIDOR

(BEING A REPLAT OF A PORTION OF ATRISCO BUSINESS PARK, UNIT 2; A PORTION OF TOWN OF ATRISCO GRANT, UNIT 5 AND AN UNPLATTED PARCEL OF LAND)

TOWN OF ATRISCO GRANT
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO

SEPTEMBER , 1995

State of New Mexico) SS
County of Bernalillo)
This instrument was filed for record on
3:25 P.M. Recorded in Vol. 96C
o'clock P.M. Recorded in Vol. 96C
records of said County Folio 77

Reserved for County Clerk Seal

B-13
TOWN OF ATRISCO GRANT
UNIT 5
Filed- December 3, 1944 Vol. D, Folio 117

B-17

B-16
TOWN OF ATRISCO GRANT
UNIT 5
Filed- December 3, 1944 Vol. D, Folio 117

B-15

TRACT B-14A
7.8180 Ac.

TRACT B-14
TOWN OF ATRISCO GRANT
UNIT 5
Filed- December 3, 1944 Vol. D, Folio 117

TRACT B-14B
1.5291 Ac.

TRACT T-4
0.4614 Ac.

TRACT T-5
0.7447 Ac.

TRACT T-3
0.4566 Ac.

TRACT T-2
0.4750 Ac.

TRACT T-1
39.3338 Ac.

TRACT T
ATRISCO BUSINESS PARK
UNIT 2
Filed- June 14, 1973 Vol. D5, Folio 157

TRACT B-8B

TRACT J-3

TRACT J-2

DAYTONA ROAD N.W.

LOS VOLCANES N.W.

INTERSTATE 40
(Variable Width Right of Way)

Albuquerque City Survey Monument "1-J5"
N 1,493,669.20
E 1,487,482.37
Grid Abbrev. at 0013'12" = 0.99987165
Grid Abbrev. at 0013'12" = 0.99987165
For Metric State Plane Coordinates (Central Zone)

Point of BEGINNING
Fd. NMSHC monument
(set in concrete)

Unplatted Parcel of Land between filed plats (cross hatched area)

Unplatted Parcel of Land between filed plats (cross hatched area)

Unplatted Parcel of Land between filed plats (cross hatched area)

CITY OF ALBUQUERQUE WELL SITE
Per Warranty Deed Filed-October 23, 1961 Vol. D616 Fol.35

5' P.N.M. & MOUNTAIN STATES TELEPHONE & TELEGRAPH EASEMENT
Per Doc. Filed- June 7, 1963 Bk. D696 Pg. 352

10' PUBLIC UTILITY EASEMENT (granted by this plat)

7' PUBLIC UTILITY EASEMENT
Per Plat Filed-June 14, 1973 Vol. D5 Folio 157
Vacated by V-95-111

10' WATER LINE EASEMENT
Per Plat Filed-June 14, 1973 Vol. D5 Folio 157 (scored from plot)

Additional Right of Way dedicated to the City of Albuquerque in Fee Simple by this plat. (Shaded Area) (See Sheet 10)

Additional Right of Way dedicated to the City of Albuquerque in Fee Simple by this plat. 0.0231 Ac. (shaded area)

Additional Right of Way dedicated to the City of Albuquerque in Fee Simple by this plat. 0.0706 Ac. (shaded area)

Additional Right of Way dedicated to the City of Albuquerque in Fee Simple by this plat. 0.0706 Ac. (shaded area)

NOTE: A Cul-De-Sac may be required in this vicinity with future development of this tract.

Detail "A"
Scale 1" = 50'

Fd. 5/8" rebar & cap stamped "L.S. 7400"

Fd. 5/8" rebar & cap stamped "L.S. 8129"

Fd. 1" iron pipe

Fd. NMSHC monument set in concrete

Fd. 5/8" rebar & cap stamped "L.S. 7715"

Right of Way and Access Control Line

East Boundary Town of Atrisco Grant Unit 3

West boundary of Atrisco Business Park Unit 2

(IN FEET)
1 inch = 100 ft.

SHEET 9 OF 12

PROFESSIONAL SURVEYOR
STATE OF
No. 5823
NEW MEXICO
GARRY P. HUGG

SURVTEK, INC.
Consulting Surveyors
5643 Paradise Blvd. N.W. Albuquerque, New Mexico 87114
Phone: 505-897-3368
Fax: 505-897-3377

940172F

96020106

RIGHT OF WAY MAP
UNSER DIVERSION CHANNEL CORRIDOR

(BEING A REPLAT OF A PORTION OF ATRISCO BUSINESS PARK, UNIT 2; A PORTION OF TOWN OF ATRISCO GRANT, UNIT 5 AND AN UNPLATTED PARCEL OF LAND)

TOWN OF ATRISCO GRANT
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO

SEPTEMBER , 1995

State of New Mexico) SS
County of Bernalillo)
This instrument was filed for record on
3:25 P.M. Recorded in Vol. 96C
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records of said County Folio 77

Reserved for County Clerk Seal

TRACT B-14A
7.8180 Ac.

TRACT T-4

TRACT T-5

TRACT T-1
39.3338 Ac.

TRACT J-3
0.3084 Ac.

TRACT J-1
47.7287 Ac.

TRACT B-8A
8.5315 Ac.

TRACT B-8
TOWN OF ATRISCO GRANT
UNIT 5
Filed- December 3, 1944 Vol. D, Folio 117

TRACT B-8B
2.3028 Ac.

TRACT J-2
1.7055 Ac.

TRACT J
ATRISCO BUSINESS PARK
UNIT 2
Filed- June 14, 1973 Vol. D5, Folio 157

TRACT B-7
TOWN OF ATRISCO GRANT
UNIT 5
Filed- December 3, 1944 Vol. D, Folio 117

LOT 2-A1

LOT 2-A
28.7207 Ac.

LOT 2-A2

B-9

LOS VOLCANES ROAD N.W.

BLUEWATER ROAD N.W.

CITY OF ALBUQUERQUE WELL SITE
Per Warranty Deed Filed-October 23, 1961 Vol. D616 Fol.35

5' P.N.M. & MOUNTAIN STATES TELEPHONE & TELEGRAPH EASEMENT
Per Doc. Filed- June 7, 1963 Bk. D696 Pg. 352

10' PUBLIC UTILITY EASEMENT (granted by this plat)

7' PUBLIC UTILITY EASEMENT
Per Plat Filed-June 14, 1973 Vol. D5 Folio 157
Vacated by V-95-111

10' WATER LINE EASEMENT
Per Plat Filed-June 14, 1973 Vol. D5 Folio 157 (scored from plat)

Additional Right of Way dedicated to the City of Albuquerque in Fee Simple by this plat. 0.0061 Ac. (shaded area)

Additional Right of Way dedicated to the City of Albuquerque in Fee Simple by this plat. 0.0145 Ac. (shaded area)

Additional Right of Way dedicated to the City of Albuquerque in Fee Simple by this plat. 0.0231 Ac. (shaded area)

2' Additional Right of Way dedicated to the City of Albuquerque in Fee Simple by this plat. 0.0961 Ac.

2' Additional Right of Way dedicated to the City of Albuquerque in Fee Simple by this plat. 0.0613 Ac.

Detail "A"
Scale 1" = 50'

Detail "B"
Scale 1" = 50'

Unplatted Parcel of Land between filed plats (cross hatched area)

East Boundary Town of Atrisco Grant Unit 5

West boundary of Atrisco Business Park Unit 2

(IN FEET)
1 inch = 100 ft.

SHEET 10 OF 12

PROFESSIONAL SURVEYOR
STATE OF
No. 5823
NEW MEXICO
GARRY P. HUGG

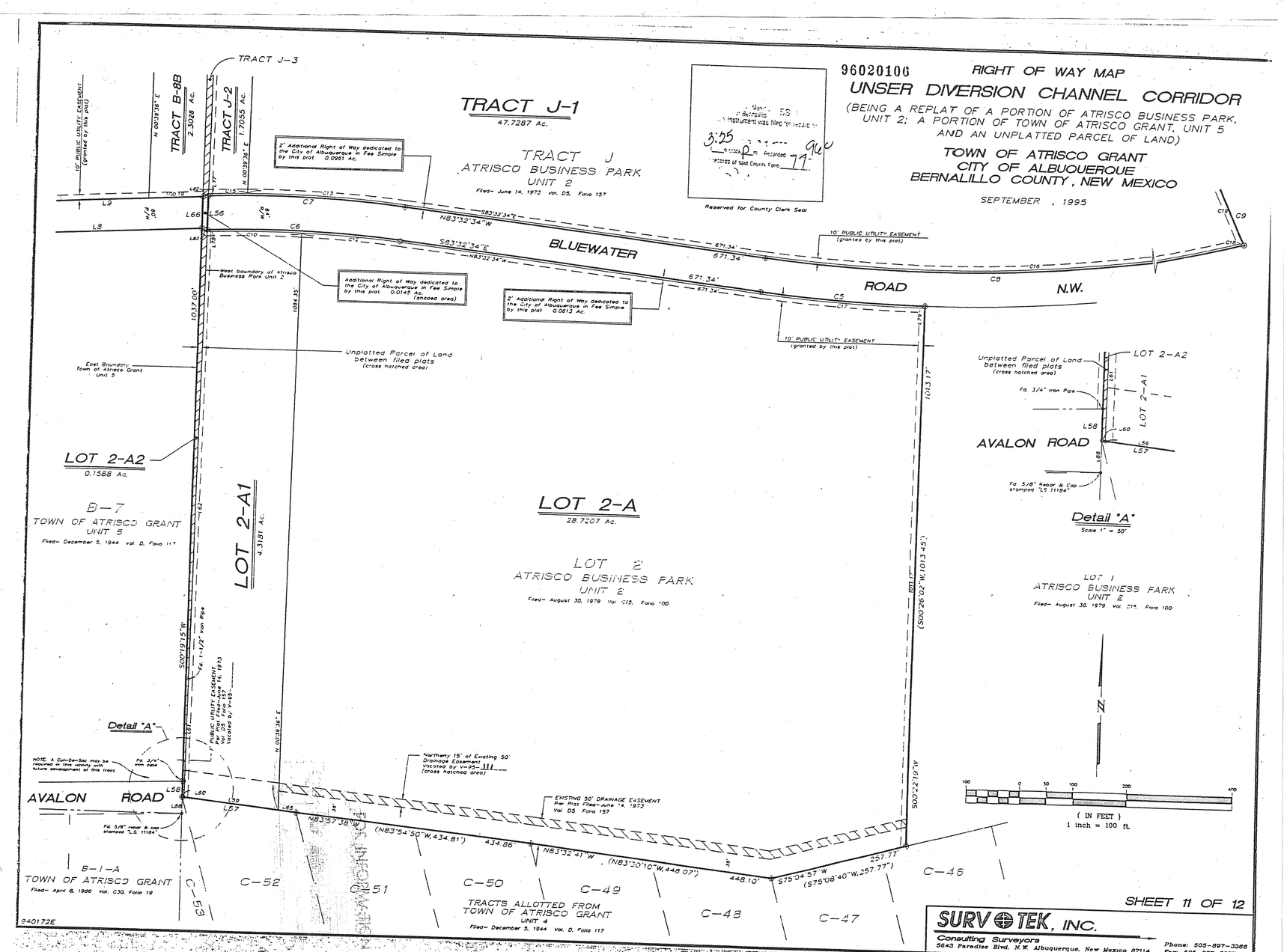
SURVTEK, INC.
Consulting Surveyors
5643 Paradise Blvd. N.W. Albuquerque, New Mexico 87114
Phone: 505-897-3368
Fax: 505-897-3377

940172G

26-5865.81-240/1

5865.81

SHEET 24 OF 25



Memo: SS
It is hereby certified that this instrument was filed for record on the
3:25 P.M. day of Sept. 1995 and duly recorded in Vol. 96C
Records of said County, Folio 77
Reserved for County Clerk Seal

96020106

RIGHT OF WAY MAP
UNSER DIVERSION CHANNEL CORRIDOR

(BEING A REPLAT OF A PORTION OF ATRISCO BUSINESS PARK, UNIT 2; A PORTION OF TOWN OF ATRISCO GRANT, UNIT 5 AND AN UNPLATTED PARCEL OF LAND)

TOWN OF ATRISCO GRANT
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO

SEPTEMBER , 1995

SHEET 11 OF 12

SURVTEK, INC.
Consulting Surveyors
5643 Paradise Blvd. N.W. Albuquerque, New Mexico 87114
Phone: 505-897-3366
Fax: 505-897-3377

9401726

Memo: SS
It is hereby certified that this instrument was filed for record on the
3:25 P.M. day of Sept. 1995 and duly recorded in Vol. 96C
Records of said County, Folio 77
Reserved for County Clerk Seal

96020106

RIGHT OF WAY MAP
UNSER DIVERSION CHANNEL CORRIDOR
(BEING A REPLAT OF A PORTION OF ATRISCO BUSINESS PARK, UNIT 2; A PORTION OF TOWN OF ATRISCO GRANT, UNIT 5; AND AN UNPLATTED PARCEL OF LAND)
TOWN OF ATRISCO GRANT
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
SEPTEMBER , 1995

U S WEST COMMUNICATIONS QUITCLAIM

KNOW ALL MEN BY THESE PRESENTS: That U S WEST COMMUNICATIONS, INC., a Colorado Corporation, hereinafter called "Company" for and in consideration of One Dollar ($1.00) and other good and valuable considerations in hand paid, the receipt whereof is hereby confessed and acknowledged, does hereby release, remise and quitclaim all the right, title and interest in the easements shown to be vacated on this plat and hereby expressly excepting and reserving to the Company, any and all interest otherwise acquired in said property, except as shown to be vacated.

IN WITNESS WHEREOF, the Company has caused these presents to be executed by its duly authorized officer this 10th day of October 1995.

U S WEST COMMUNICATIONS, INC.

By: A. F. Salas

Manager – Network and Technology Services

STATE OF NEW MEXICO
COUNTY OF BERNALILLO

This instrument was acknowledged before me on 10th October 1995, by A. F. Salas as the Manager/Network and Technology Services of U S West Communications, Inc., a Colorado Corporation.

Witness my hand and official seal.

Norma G Carrillo My commission expires 2-6-99

Notary Public

OFFICIAL SEAL
NORMA G CARRILLO
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires 2-6-99

GAS COMPANY OF N.M. EASEMENT RELEASE APPROVAL

Gas Company of New Mexico, a Division of Public Service Company of New Mexico does hereby release, waive quit claim and discharge its right, title and interest in the easements (granted by prior plat, replat or document) shown to be vacated on this plat.

GAS COMPANY OF NEW MEXICO

By R J Robb

OFFICIAL SEAL
RUBIN PHILLIPS
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires 2-9-97

STATE OF NEW MEXICO
COUNTY OF BERNALILLO

This instrument was acknowledged before me on Nov 7, 1995 by Rob Robb as Right of Way Manager of Gas Company of New Mexico, a Division of Public Service Company of New Mexico, (a New Mexico corporation)

Rubin Phillips My commission expires 2-9-97

Notary Public

PNM EASEMENT RELEASE APPROVAL

Public Service Company of New Mexico does hereby release, waive, quitclaim and discharge its right, title and interest in the easements (granted by prior plat, replat or document) shown to be vacated on this plat.

PUBLIC SERVICE COMPANY OF NEW MEXICO

By: R J Robb

OFFICIAL SEAL
RUBIN PHILLIPS
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires 2-9-97

STATE OF NEW MEXICO
COUNTY OF BERNALILLO

This instrument was acknowledged before me on 10th October 1995, by Rob Robb as Right of Way Manager of the Public Service Company of New Mexico, a New Mexico Corporation.

Rubin Phillips My commission expires 2-9-97

Notary Public

NOTE:

The plat of the RIGHT OF WAY MAP, UNSER DIVERSION CHANNEL CORRIDOR (BEING A REPLAT OF A PORTION OF ATRISCO BUSINESS PARK, UNIT 2; A PORTION OF TOWN OF ATRISCO GRANT, UNIT 5; AND AN UNPLATTED PARCEL OF LAND) TOWN OF ATRISCO GRANT, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO has been granted a variance or waiver by the City of Albuquerque and the Albuquerque Metropolitan Arroyo Flood Control Authority from certain subdivision requirements pursuant to Section 7 of the City of Albuquerque Subdivision Ordinance.

Future subdivision of land within this plat, zoning site development plan approvals, and development permits may be conditioned upon dedication of rights of way and easements, and/or upon infrastructure improvements by the owner for water, sewer, streets, drainage, grading and parks in accordance with current resolutions, ordinances and policies in effect at the time for any specific proposal.

The City of Albuquerque and (AMAFCA with reference to drainage) may require and/or permit easements to be added, modified or removed when future plats or site development plans are approved.

By its approval the City of Albuquerque makes no representation or warranties as to availability of utilities, or final approval of all requirements including (but not limited to) the following items: water and sanitary sewer availability; future street dedications and/or improvements; park and open space requirements; drainage requirements and/or improvements; and excavation, filling or grading requirements. Any person intending development of lands within this subdivision is cautioned to investigate the status of these items.

At such time as all conditions have been satisfactorily met the City Engineer shall approve a recordable document, removing such conditions from all or from a portion of the area within the subject subdivision.

A SEPARATE NOTICE OF THESE CONDITIONS WAS RECORDED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO, ON JAN 25, 1996 IN VOLUME 96-2, FOLIO 4241-4250.

AS RE-RECORDED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON FEB. 21, 1996 IN VOLUME 96-5, FOLIO 9282-9290.

5865.81

26-5865.81 12507

SHEET 25 OF 25

STATE OF NEW MEXICO
PROFESSIONAL SURVEYOR
No. 5823
GARY P. HUGG

SHEET 12 OF 12

SURVTEK, INC.
Consulting Surveyors
5643 Paradise Blvd. N.W. Albuquerque, New Mexico 87114
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Fax: 505-897-3377