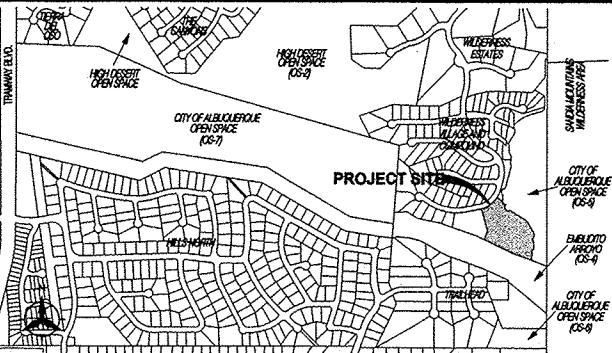


CONSTRUCTION PLANS
FOR
WILDERNESS CAÑON
AT HIGH DESERT
ALBUQUERQUE, NEW MEXICO

INDEX

SHEET NUMBER	DESCRIPTION	SHEET NUMBER	DESCRIPTION
1	TITLE SHEET	8	OVERALL UTILITY PLAN
2	PRELIMINARY PLAT	9	UTILITY PLAN AND PROFILE SHEETS
3	GRADING PLAN	10	ELEVADA TRAIL / PIEDRA ALTA LANE PIEDRA CANTO WAY / PIEDRA CERRO WAY
4	EROSION CONTROL PLAN	11	OVERALL TRAIL / SWALE PLAN
5	OVERALL PAVING PLAN	12	TRAIL / SWALE PLAN AND DETAIL SHEETS
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7	ELEVADA TRAIL / PIEDRA ALTA LANE PIEDRA CANTO WAY / PIEDRA CERRO WAY	14	TRAIL / SWALE PLAN STA. 2+40 TO STA. 5+30
		15	TRAIL / SWALE PLAN STA. 5+30 TO STA. 8+34.93
		16	TRAIL / SWALE PLAN STA. 1+50 TO STA. 3+09
		17	TRAIL / SWALE DETAILS
			MISCELLANEOUS STORM DRAIN DETAILS



VICINITY MAP: NOT TO SCALE ZONE MAP NO. F-23

NOTICE TO CONTRACTORS

- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE No. 9.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- 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 OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT, TO THE CONSTRUCTION COORDINATION DIVISION, A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY CONSTRUCTION COORDINATION ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- ALL WORK AFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED W/ PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS EXISTING, OR AS INDICATED BY THIS PLAN SET.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO ENSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF 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. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF WELL COLLECTORS, TRANSMISSION LINES, OR FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFFS REQUESTS MUST BE MADE ONLINE AT [HTTP://WWW.ABCWUA.ORG/WATER_SHUT_OFF_AND_TURN_ON_PROCEEDURES.ASPX](http://www.abqwa.org/WATER_SHUT_OFF_AND_TURN_ON_PROCEEDURES.ASPX)

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☒ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☒ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- ☒ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

NOTICE TO CONTRACTORS
CONTINUED

- CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.
- DEVELOPER SHALL PROVIDE AND MAINTAIN ALL SIGNING AND STRIPING WITHIN PRIVATE STREETS / DEVELOPMENT.

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****		
		DRC Chairman	<i>Robert C. Chene</i>	03-07-16	APPROVED FOR CONSTRUCTION City Engineer Date 3-29-16		
		Transportation	<i>Robert C. Chene</i>	2-22-16			
		Water/Wastewater	<i>Robert C. Chene</i>	2-22-16			
		Hydrology	<i>Robert C. Chene</i>	2-22-16			
		CIP	<i>Robert C. Chene</i>	2-22-16			
		Const. Mngmt.					
		Const. Coord.					
		AMAFCA					
DRB CASE NUMBER		CITY PROJECT NO.		SHEET		OF	
1004989		703782		1		17	

USC & GS BRASS TABLE STAMPED "TUMBLE"
GEOGRAPHIC POSITION (NAD 1927)
NM STATE PLANE COORDINATES (CENTRAL ZONE)
X=425,465.55 Y=1,513,470.01
GROUND TO GRID FACTOR = 0.99961970
DELTA ALPHA = -00°08'37"
NGVD 1929 SPIRIT ELEVATION = 6009.155

CENTERLINE EXISTING PUBLIC
ACCESS, WATERLINE, & SANITARY
SEWER EASEMENT
FILED: FEBRUARY 6, 2003
(2003C-26)

EXISTING US FOREST SERVICE
HIKING & BIKING EASEMENT
FILED: JUNE 30, 1993
(BK. 93-17, PGS. 2845-2853)
DOCUMENT NO. 93-069101

TRACT 13-B-2
TEMPORARY PUBLIC DRAINAGE EASEMENT
TO REMAIN

PROPOSED CONSERVATION EASEMENT TO BE
GRANTED TO THE HIGH DESERT RESIDENTIAL
OWNERS ASSOCIATION INC.
(TO INSURE BOULDER TO REMAIN)

EXISTING US FOREST SERVICE
40' x 40' OBSTACLE EASEMENT
FILED: JUNE 30, 1993
(BK. 93-17, PGS. 2845-2853)
DOCUMENT NO. 93-069101

OS-5, HIGH DESERT
CITY OF ALBUQUERQUE
OPEN SPACE
FILED: NOVEMBER 23, 1993
(93C-325)

ACS ALUMINUM TABLE STAMPED "1-D24 RESET 1973/1995"
GEOGRAPHIC POSITION (NAD 1927)
NM STATE PLANE COORDINATES (CENTRAL ZONE)
X = 431,318.24 Y = 1,513,364.75
GROUND TO GRID FACTOR = 0.999608987
DELTA ALPHA = -00°07'56"
ELEVATION = 6261.978

15 FT WIDE (W/ CURB CUT) PRIVATE ACCESS EASEMENT
GRANTED TO HDROA FOR THE PURPOSE OF MAINTAINING
DRAINAGE WITHIN CITY OPEN SPACE. HDROA TO MAINTAIN
AREA WITHIN EASEMENT

EXISTING US FOREST SERVICE
HIKING & BIKING EASEMENT
FILED: JUNE 30, 1993
(BK. 93-17, PGS. 2845-2853)
DOCUMENT NO. 93-069101

PROPOSED PRIVATE CONSERVATION EASEMENT TO BE
GRANTED TO THE HIGH DESERT RESIDENTIAL
OWNERS ASSOCIATION INC. (TO INSURE BOULDER
TO REMAIN)

EXISTING US FOREST SERVICE
40' x 40' OBSTACLE EASEMENT
FILED: JUNE 30, 1993
(BK. 93-17, PGS. 2845-2853)
DOCUMENT NO. 93-069101

ONE-STORY (18') TWO-STORY (24')	
(LOTS)	(LOTS)
1	2
5	3
6	4
7	14
8	15
9	16
10	18
11	19
12	
13	
17	

Curve Data					
ID	DELTA	TANGENT	ARC	RADIUS	CHORD
C14	92°27'07"	26.09'	40.34'	25.00'	36.10'
C15	57°35'08"	4.40'	8.04'	8.00'	7.71'
C16	98°30'18"	32.87'	48.69'	28.32'	42.91'
C17	61°33'34"	1.19'	2.15'	2.00'	2.06'
C18	29°28'51"	39.49'	77.22'	150.00'	76.37'
C19	26°56'31"	21.56'	42.32'	90.00'	41.93'
C20	51°35'27"	4.83'	9.00'	10.00'	8.70'
C21	68°40'35"	19.13'	33.56'	28.00'	31.59'
C22	23°30'50"	14.15'	27.91'	68.00'	27.71'
C23	56°18'27"	6.42'	11.79'	12.00'	11.32'
C24	81°52'22"	19.08'	31.44'	22.00'	28.83'
C25	29°28'47"	10.52'	20.58'	40.00'	20.35'
C26	38°16'12"	94.72'	182.35'	273.00'	178.98'

Tangent Data		
ID	BEARING	DISTANCE
T10	N90°00'00"W	12.11'
T11	N00°00'00"W	40.00'
T12	S90°00'00"W	5.30'
T13	N18°57'34"W	20.00'
T14	S04°33'17"W	34.00'
T15	S08°28'09"W	48.69'
T16	S82°30'46"W	17.03'

SURVEY NOTES:

- UNLESS OTHERWISE NOTED, ALL BOUNDARY CORNERS SHOWN THUS (●) SHALL BE MARKED BY A #5 REBAR STAMPED "GROMATZKY, PS 16469".
- ALL STREET CENTERLINE MONUMENTATION SHALL BE INSTALLED AT ALL CENTERLINE P.C.'S, P.T.'S, ANGLE POINTS AND STREET INTERSECTIONS AND SHOWN THUS (▲) WILL BE MARKED BY A FOUR (4") ALUMINUM CAP STAMPED "CITY OF ALBUQUERQUE CENTERLINE MONUMENTATION MARKED. DO NOT DISTURB, P.L.S. 16469".
- THE SUBDIVISION BOUNDARY WILL BE TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM AS SHOWN.
- BASIS OF BEARINGS WILL BE NEW MEXICO STATE PLANE GRID BEARINGS.
- DISTANCES SHALL BE GROUND DISTANCES.
- MANHOLES WILL BE OFFSET AT ALL POINTS OF CURVATURE POINTS OF TANGENCY, STREET INTERSECTIONS AND ALL OTHER ANGLE POINTS TO ALLOW THE USE OF CENTERLINE MONUMENTATION.

APPROVED FOR MONUMENTATION AND STREET NAMES

Susan M. Reinhardt, P.E. 8/13/15
CITY SURVEYOR DATE

[A] 5' PUBLIC WATERLINE EASEMENT TO BE GRANTED
TO ABCWUA BY FINAL PLAT.

[B] 7' PRIVATE PEDESTRIAN ACCESS EASEMENT.

[C] FULLY ENCOMPASSED WITHIN TRACT 'A' IS A PUBLIC
SANITARY SEWER AND WATERLINE EASEMENT GRANTED TO
ABCWUA. A PUBLIC SUBSURFACE STORM DRAIN EASEMENT
SHALL BE DEDICATED TO AND MAINTAINED BY THE CITY
OF ALBUQUERQUE. AND A PRIVATE VEHICLE & PEDESTRIAN
ACCESS AND SURFACE DRAINAGE EASEMENT GRANTED
TO THE HIGH DESERT RESIDENTIAL OWNERS ASSOCIATION
WITH THE FILING OF THIS PLAT. ACCESS EASEMENT TO
BE MAINTAINED BY HIGH DESERT RESIDENTIAL OWNERS
ASSOCIATION.

[D] LOT 9: SIDEYARD SETBACK ADJACENT TO OPEN SPACE
SHALL BE 10 FT. NO BUILD ZONE ON SOUTHEAST
SIDE OF LOT. (SEE HATCHED AREA)
LOT 10: NO BUILD ZONE ON EAST SIDE OF LOT (SEE HATCHED
AREA)
LOT 13: SOUTH YARD SETBACK SPLIT 30% AT 15 FT AND
70% AT 10 FT

[E] LANDSCAPE EASEMENT TO BE GRANTED TO HIGH DESERT
RESIDENTIAL ASSOCIATION WITH FINAL PLAT

THE PURPOSE OF THIS PRELIMINARY PLAT IS TO SUBDIVIDE TRACT A-1
INTO 19 LOTS.

GENERAL NOTES

- EXISTING ZONING: SU-2 HO/R-R
PROPOSED DEVELOPMENT: SINGLE FAMILY DETACHED
- DESCRIPTION: TRACT A-1 WILDERNESS CAÑON AT HIGH DESERT
FILED: AUGUST 19, 2008, BK.-2008C, PG.-188
DOCUMENT NO. 2008093695
TOTAL SUBDIVISION ACREAGE:
WILDERNESS CAÑON TRACT "A-1" 3.9653 ACRES
0.6353 ACRES
TOTAL NUMBER OF LOTS 19
PROPOSED DENSITY:
UNIT 1 4.80 D.U./AC.
MINIMUM LOT WIDTH 53'
MINIMUM LOT AREA 5256.26 SF / 0.1207 AC.

GENERAL NOTES

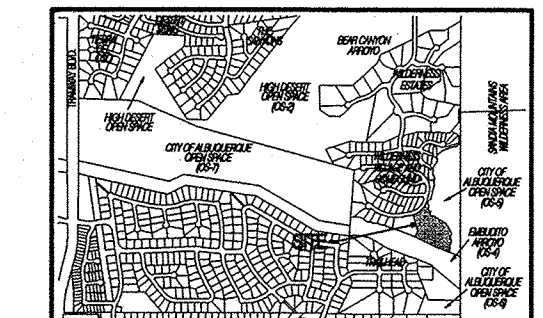
- NO WOOD BURNING FIREPLACE WILL BE PERMITTED: ALL FIREPLACES MUST BE GAS FIRED USING ARTIFICIAL LOGS.
- ALL SETBACKS SHOWN ARE IN ACCORDANCE WITH THE R-T ZONING.
- ALL INTERIOR STREETS ARE TO BE PRIVATE AND TO BE GRANTED TO AND MAINTAINED BY THE HIGH DESERT RESIDENTIAL OWNERS ASSOCIATION (TRACT A)
- ALL SANITARY AND WATER UTILITIES IN TRACT A ARE TO BE PUBLIC, AND OWNED AND MAINTAINED BY THE ABCWUA.
- THIS SUBDIVISION LIES WITHIN THE CITY OF ALBUQUERQUE. WATER AND SANITARY SEWER CAPABILITIES ARE BASED ON ABCWUA FACILITIES. WATER AND SANITARY SEWER INFRASTRUCTURE IMPROVEMENTS MUST BE APPROVED BY ABCWUA.
- ALL SUBSURFACE STORM DRAINS IN TRACT A AND/OR UTILITY EASEMENTS ARE TO BE PUBLIC AND SHALL BE DEDICATED TO AND MAINTAINED BY THE CITY OF ALBUQUERQUE AS SHOWN ON FINAL PLAT.

OWNER:

MESA VERDE DEVELOPMENT
SCOTT SCHIABOR

LEGEND

- SUBDIVISION BOUNDARY ————
TRACT BOUNDARY LINE - - - - -
PROPOSED PROPERTY LINE ————
PROPOSED RIGHT OF WAY LINE ————
CROSS HATCHING REPRESENTS EXISTING
EASEMENT AREAS TO BE VACATED
BY VACATION ACTION AND FINAL
PLAT



LOCATION MAP
ZONE ATLAS MAP NO. F-23-Z
NOT TO SCALE

THE HIGH DESERT RESIDENTIAL OWNER'S ASSOCIATION HEREBY CERTIFIES
TO THE CITY OF ALBUQUERQUE THAT THIS PRELIMINARY PLAT OF
WILDERNESS CAÑON AT HIGH DESERT MEETS THE REQUIREMENTS OF
THE HIGH DESERT SECTOR DEVELOPMENT PLAN AND FURTHER CERTIFIES
THAT THE NUMBER OF UNITS TO BE CONSTRUCTED IN THE ZONE DOES
NOT EXCEED THE MAXIMUM ALLOWED BY THE SECTOR PLAN.

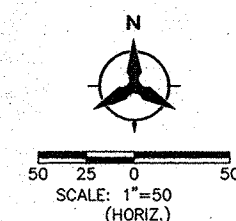
HIGH DESERT RESIDENTIAL OWNERS ASSOCIATION, INC.
A NEW MEXICO NON-PROFIT CORPORATION

Tom Murdock 8 SEP 2015
BY: TOM MURDOCK, ITS PRESIDENT DATE

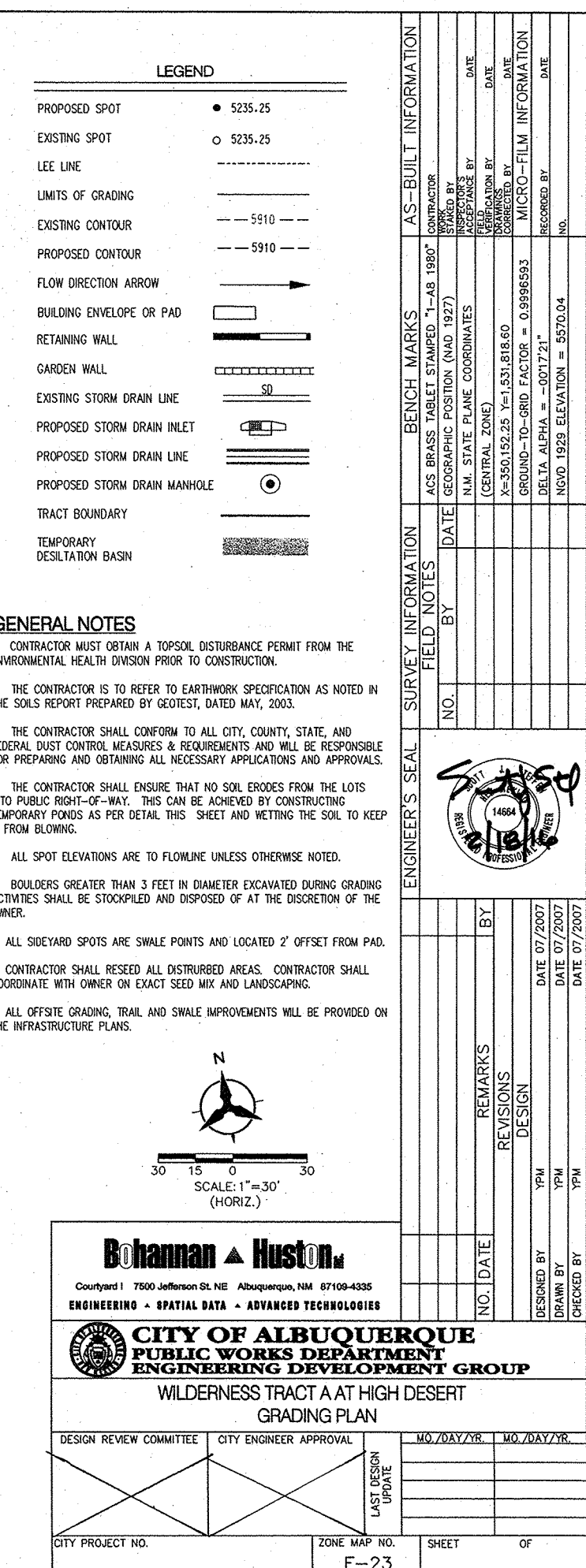
Stephen P. Hamm 8/20/15
BY: STEPHEN P. HAMM, ITS HIGH DESERT NCC CHAIRMAN DATE

PRELIMINARY PLAT WILDERNESS CAÑON AT HIGH DESERT (TRACT A-1, WILDERNESS CAÑON AT HIGH DESERT) ALBUQUERQUE, NEW MEXICO AUGUST, 2015

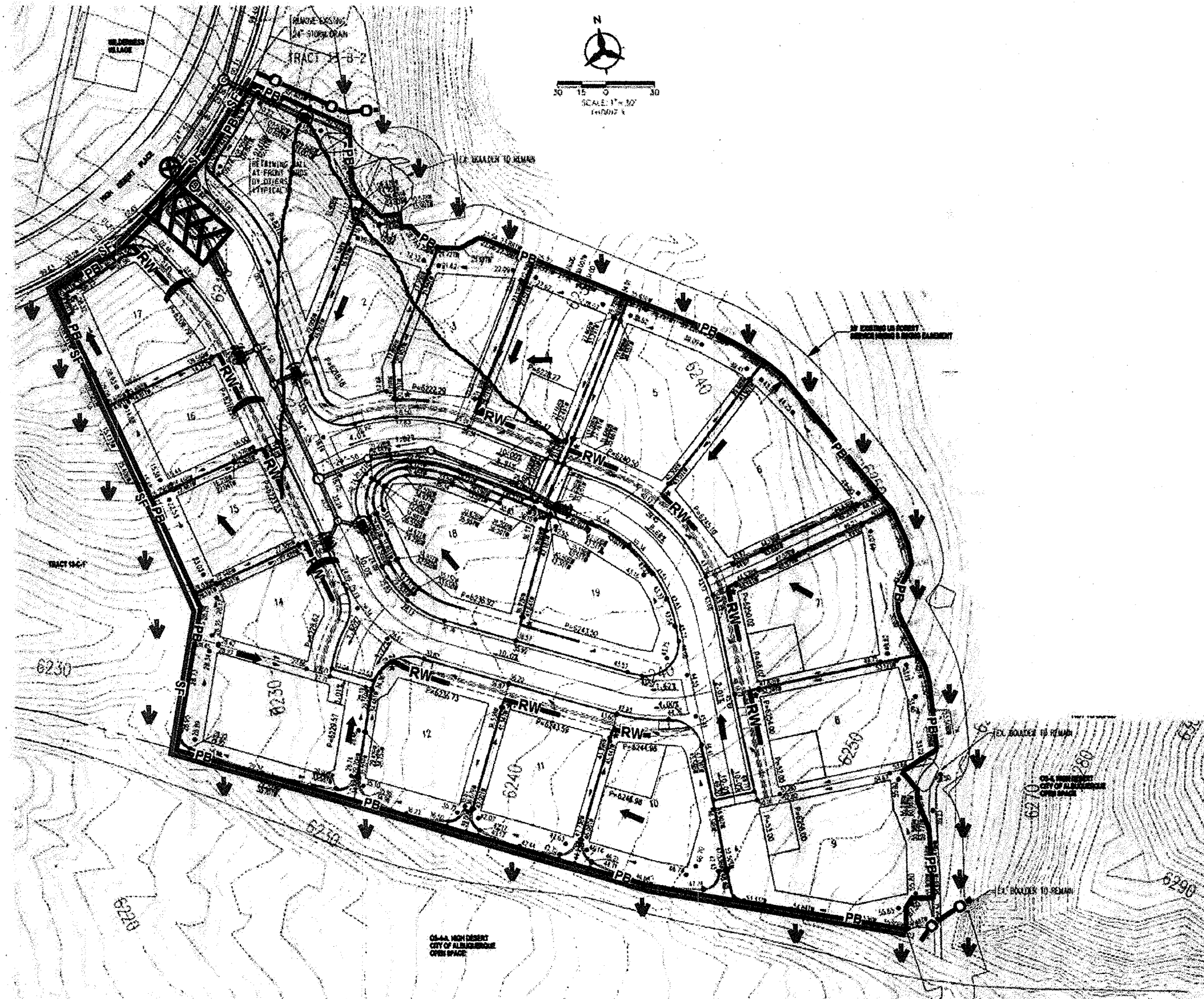
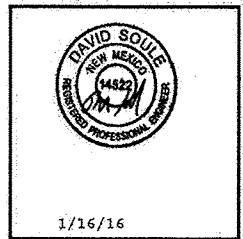
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\$BRAND\$



Bohannon & Huston
www.bhinc.com 800.877.5332



Engineer Stamp



Legend

Erosion Sediment Control Plan

- PB —** Project Perimeter & Disturbed Area
- SF —** Silt Fence
- Pre Flow
- Flow
- ⊗** Outfall
- Ⓢ** Posting Sign
- ↓** Preserved Vegetation
- ▢** Stabilized Construction Entrance
- Chainlink Fence
- ~~~~~** Swale
- Proposed Storm Inlet
- ()** Inlet Protection
- RW —** Retaining Wall
- ()** Check Dam

To Be Determined

- Trash Receptacle
- Chemical Toilet
- ▨** Concrete Washout
- ▩** Staging Area

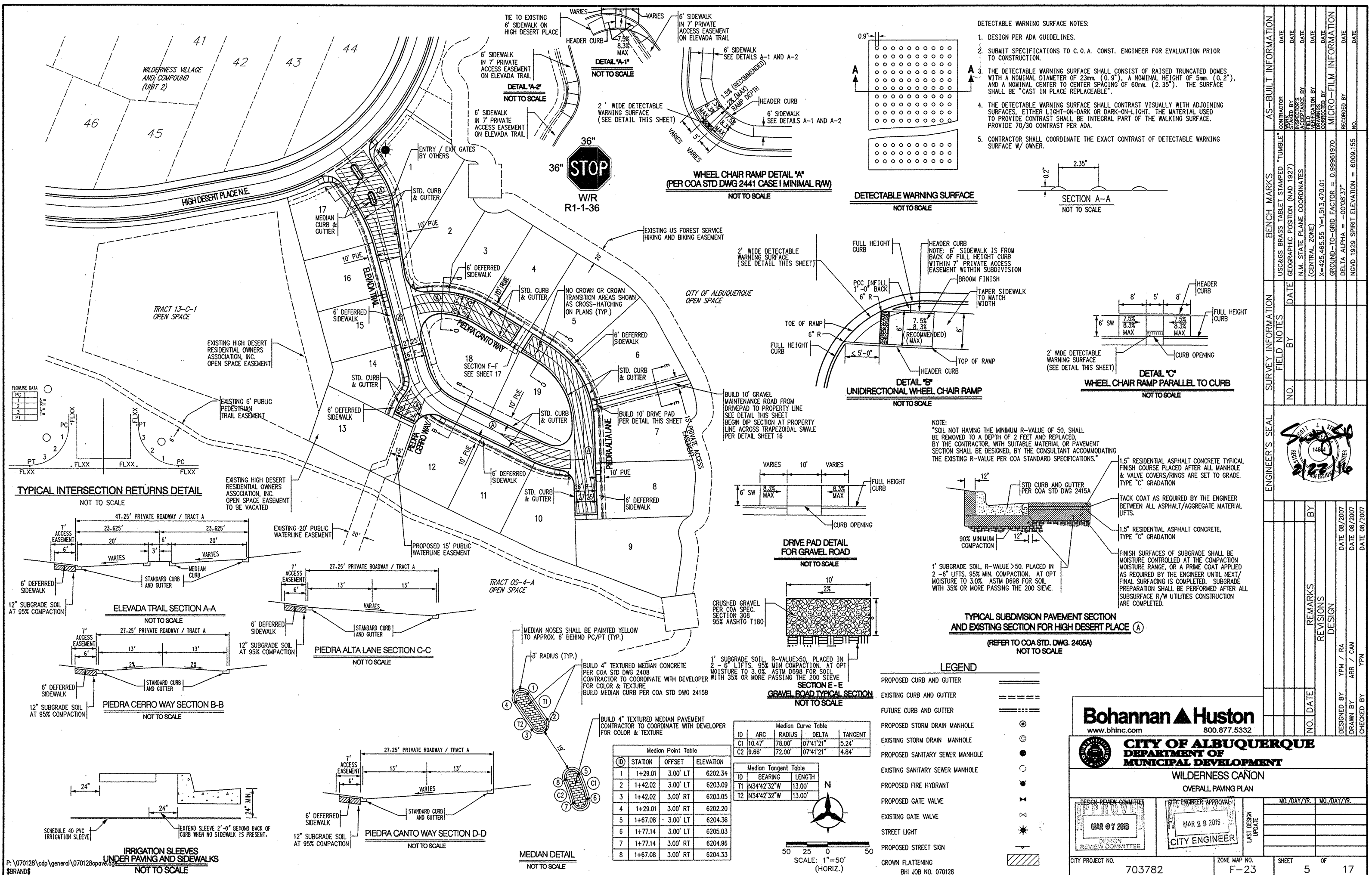
SHEET 4 OF 17
"FOR INFORMATION ONLY"

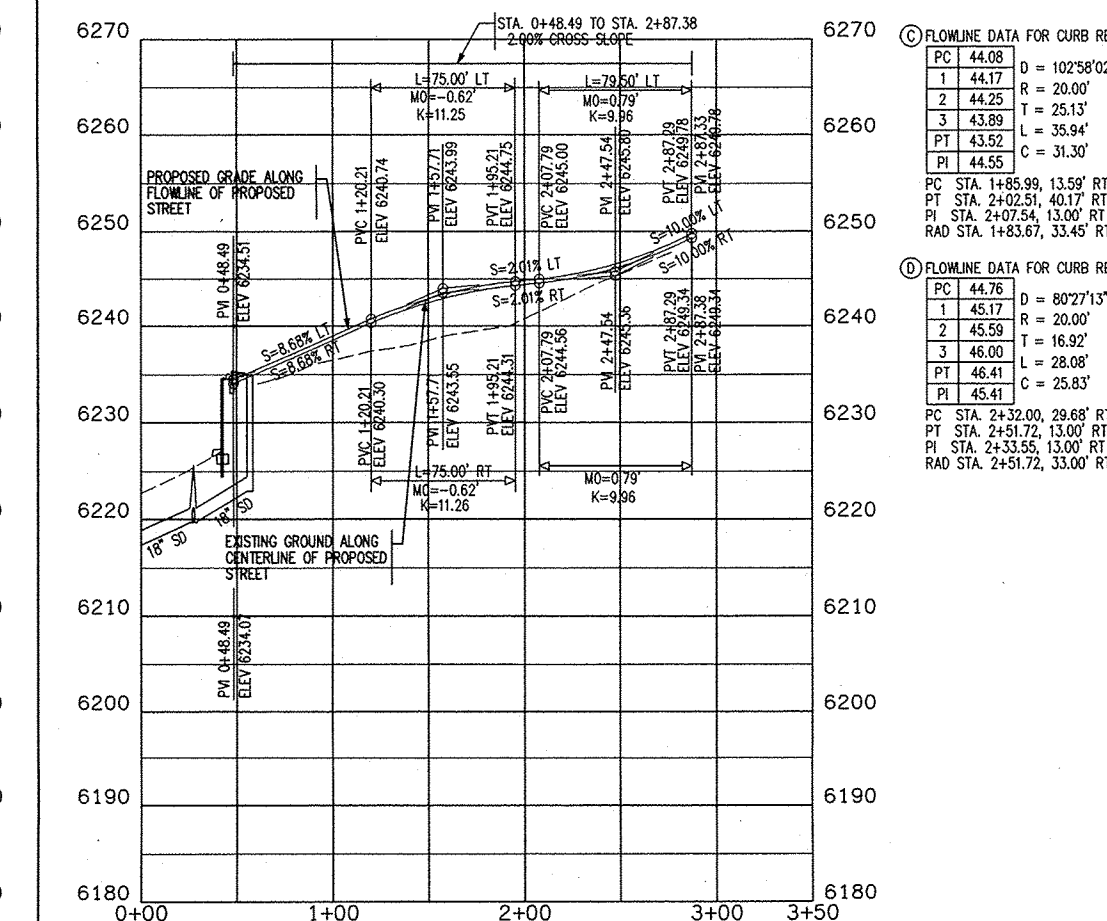
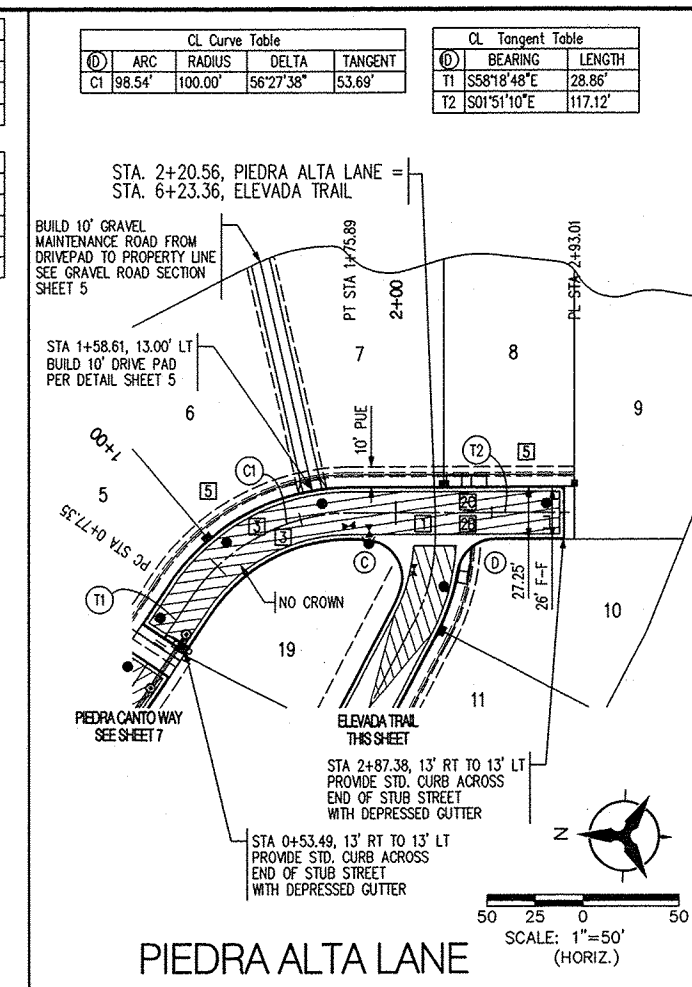
Wilderness Canon

Receiving Water and Action Area: Rio Grande
is located 10.6 miles to the West.

Impairments: E. coli, Dissolved Oxygen, PCBs
in Fish Tissue, Water Temperature

Grade: Before 4% - 7% After 4% - 7%





- | KEYED GENERAL NOTES | | ENGINEER'S | | DATE | | BY | | REMARKS | | REVISIONS | | DESIGN | | YPM / RA | | ARR / CAM | | VON | |
|---------------------|--|------------|--|------|--|----|--|---------|--|-----------|--|--------|--|----------|--|-----------|--|-----|--|
| 1 | INSTALL 6" CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420 | | | | | | | | | | | | | | | | | | |
| 2 | INSTALL WHEELCHAIR RAMP (2A, 2B, OR 2C) AS PER RAMP DETAILS A, B, AND C SHEET 5 | | | | | | | | | | | | | | | | | | |
| 3 | STD. CURB & GUTTER AS PER STD. DWG. 2415A | | | | | | | | | | | | | | | | | | |
| 4 | MEDIAN CURB & GUTTER AS PER STD. DWG. 2415B | | | | | | | | | | | | | | | | | | |
| 5 | 6" DEFERRED SIDEWALK PER STD. DWG. 2430 | | | | | | | | | | | | | | | | | | |
| 6 | BUILD 4" TEXTURED MEDIAN PAVEMENT FROM MEDIAN NOSE TO 10' FROM NOSE. CONTRACTOR TO COORDINATE WITH HDIC FOR COLOR AND TEXTURE. MEDIAN CURB SHALL BE PAINTED YELLOW PER COA STD DWG 2408. | | | | | | | | | | | | | | | | | | |
| 7 | INSTALL STOP SIGN PER DETAIL ON SHEET ON SHEET 5 | | | | | | | | | | | | | | | | | | |

GENERAL NOTE:
ALL STORM DRAIN MANHOLES SHALL BE 6" DIAMETER TYPE "E" AS PER STANDARD DRAWING 2209 UNLESS OTHERWISE NOTED.

ALL STORM DRAIN SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED.

	Bohannon  Huston	NO.	DATE	DESIGNED BY DRAWN BY CHECKED BY
	www.bhinc.com	800.877.5332		

CITY OF ALBUQUERQUE

DEPARTMENT OF

MUNICIPAL DEVELOPMENT

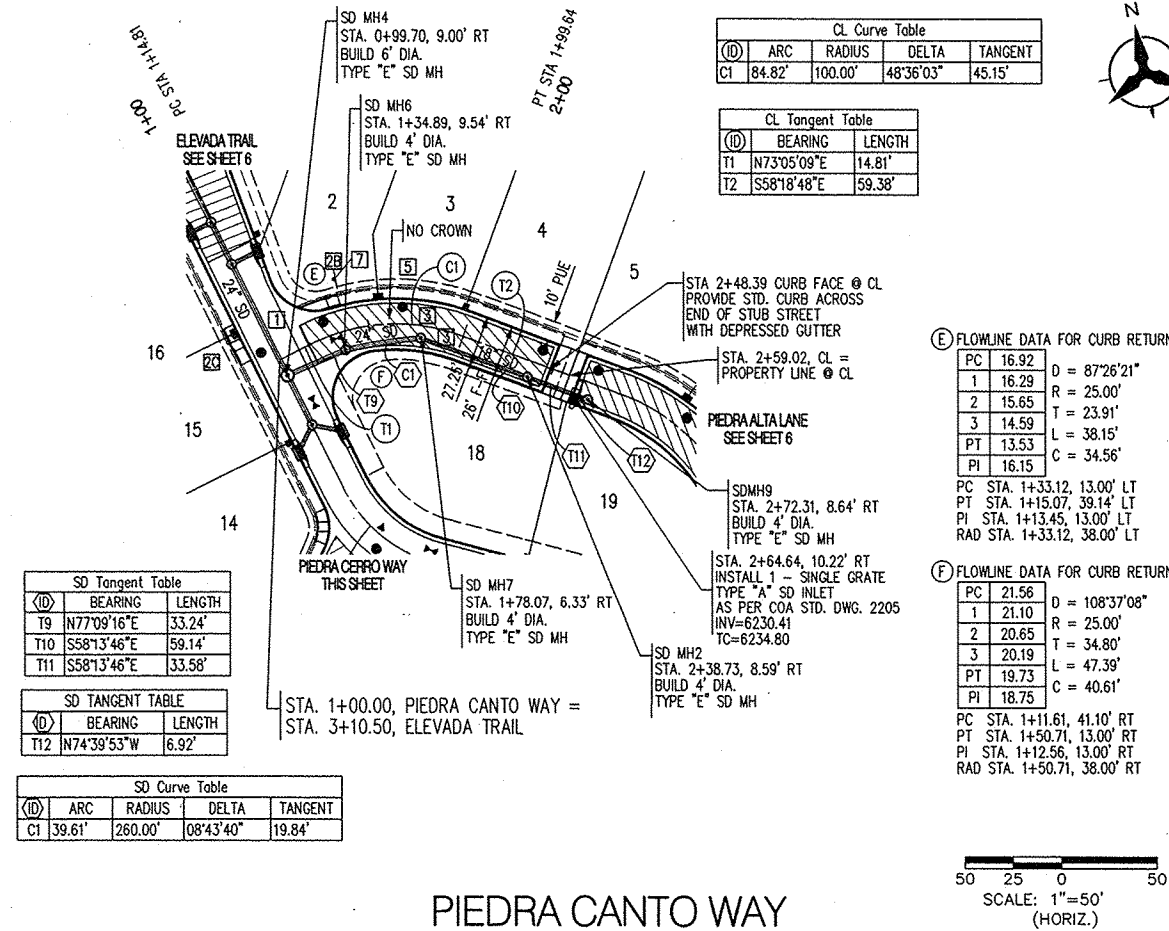
WILDERNESS CAÑON

PAVING PLAN & PROFILE

ELEVADA TRAIL / PIEDRA ALTA LANE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.	
				LAST DESIGN UPDATE

CITY PROJECT NO.	SHEET	OF	
703782	F-23	6	17



NOTE:
THE CONTRACTOR SHALL FIELD VERIFY
ALL EXISTING UTILITY LOCATIONS AND
NOTIFY THE ENGINEER IMMEDIATELY OF
ANY DISCREPANCIES.

RESTRAINING JOINT TABLE

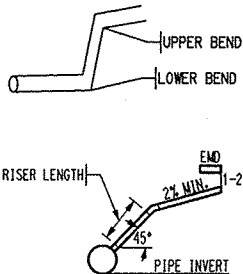
MECHANICAL JOINTS	LENGTH OF RESTRAINED JOINTS				
	6"	8"	10"	12"	14"
6" X 8" TEE	1	-	-	-	-
8" X 8" TEE	-	1	-	-	-
8" X 10" TEE	-	-	1	-	-
8" X 12" TEE	-	-	-	1	-
10" X 10" TEE	-	-	-	-	1
10" X 12" TEE	-	-	-	-	1
10" X 14" TEE	-	-	-	-	1
8" X 8" CROSS	-	1	-	-	-
8" X 12" CROSS	-	-	-	-	-
8" X 6" REDUCER	-	23	-	-	-
10" X 6" REDUCER	-	-	22	-	-
10" X 8" REDUCER	-	-	-	22	-
12" X 8" REDUCER	-	-	-	-	42
12" X 10" REDUCER	-	-	-	-	25
90° HORIZ. BEND	16	20	24	23	27
45° HORIZ. BEND	7	8	10	10	11
22.5° HORIZ. BEND	4	4	5	5	5
11.25° HORIZ. BEND	2	2	2	2	3
GATE VALVE/CAP	42	55	66	50	57
22.5° VERT. BEND (UPPER)	9	7	8	10	11
(LOWER)	3	2	3	3	4
11.25° VERT. BEND (UPPER)	5	3	4	5	6
(LOWER)	2	1	1	2	2

* NOTE:
6" WL, 8" WL & 10" WL TO BE PVC (C-900)
12" WL & 14" WL TO BE DUCTILE IRON PIPE
6" RWL TO BE PURPLE POLYWRAPPED DUCTILE IRON PIPE CL350

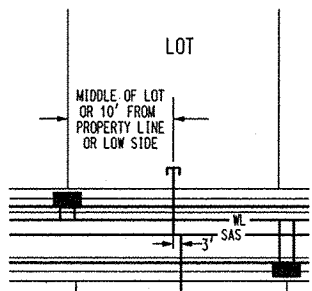
DES	SAS	Crossings		Clearance
		SD	WL	
1		24" TP 01.91	10" TP 98.37	1.04
		24" BP 99.41	10" BP 97.47	
2	8" TP 01.92	18" TP 05.46		1.61
	8" BP 01.22	18" BP 03.54		
3	8" TP 06.74	24" TP 10.97		1.74
	8" BP 06.03	24" BP 08.47		
4		18" TP 05.88	10" TP 07.92	1.14
		18" BP 03.96	10" BP 07.02	
5	8" TP 07.34		10" TP 13.01	4.77
	8" BP 06.63		10" BP 12.11	
6	8" TP 11.09	18" TP 16.13		3.12
	8" BP 10.39	18" BP 14.22		
7		24" TP 12.18	10" TP 14.79	1.70
		24" BP 09.68	10" BP 13.89	
8	8" TP 16.91		10" TP 23.35	5.54
	8" BP 16.20		10" BP 22.45	
9		18" TP 15.84	10" TP 18.09	1.34
		18" BP 13.93	10" BP 17.19	
10	8" TP 31.42		6" TP 41.36	9.39
	8" BP 30.72		6" BP 40.81	
11	EX. 8" TP 95.76		10" TP 98.38	1.72
	EX. 8" BP 95.05		10" BP 97.48	

LEGEND

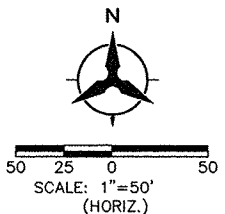
PROPOSED CURB AND GUTTER	=====
EXISTING CURB AND GUTTER	=====
FUTURE CURB AND GUTTER	=====
PROPOSED STORM DRAIN MANHOLE	⊙
EXISTING STORM DRAIN MANHOLE	⊙
PROPOSED SANITARY SEWER MANHOLE	⊙
EXISTING SANITARY SEWER MANHOLE	⊙
PROPOSED FIRE HYDRANT	⊙
PROPOSED GATE VALVE	⊙
EXISTING GATE VALVE	⊙
PROPOSED STORM DRAIN	SD
PROPOSED SANITARY SEWER	SAS
PROPOSED WATER LINE	W
STORM DRAIN INLET	⊙
STORM DRAIN CULVERT	SD
EXISTING STORM DRAIN	SD
EXISTING SANITARY SEWER	SAS
EXISTING WATER LINE	W



SERVICE RISER DETAIL
(SERVICE CONNECTION INSTALLATION
TO CONFORM TO COA STD. DWG. 2134)



TYPICAL UTILITY SERVICE LOCATION
NOT TO SCALE



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CITY OF ALBUQUERQUE
DEPARTMENT OF
MUNICIPAL DEVELOPMENT

WILDERNESS CAÑON
OVERALL UTILITY PLAN

DESIGN REVIEW COMMITTEE APPROVED MAR 2 2013	CITY ENGINEER APPROVAL APPROVED MAR 2 2013 CITY ENGINEER	LAST DESIGN UPDATE
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CITY PROJECT NO. 703782 ZONE MAP NO. F-23 SHEET 8 OF 17

WATER SHUT-OFF REQUIREMENTS:

THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF WELL COLLECTORS, TRANSMISSION LINES, OR FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT http://www.abcwua.org/Water_Shut_off_and_Turn_on_Procedures.aspx

WATER SHUT-OFF PLAN: CLOSE VALVES
1. 2 - 10" NON-PRESSURE CONNECTIONS TO THE EXISTING 6" & 10" WATERLINES A, B, C & D
2. EXIST. 6" WL REMOVAL A, B, C & D

NOTE:
VALVES A, B, C & D ARE NOT SHOWN ON THE CITY OF ALBUQUERQUE AUTOMATED WATER DISTRIBUTION SYSTEM SECTIONAL MAPS AND FOR THIS REASON ARE LABELED AS SUCH FOR THIS PLAN ONLY. THE CONTRACTOR SHALL COORDINATE THE SHUT-OFF PLAN WITH THE OWNER.

CONTRACTOR WILL BE RESPONSIBLE FOR FLUSHING, DISINFECTING, AND TESTING THE LINES AS REQUIRED BY THE ABCWA.

MATERIALS:
SAS LINE: SDR-35 PVC (UNLESS OTHERWISE NOTED ON PLANS)
WATER LINE: C900-PVC (DR-18) (UNLESS OTHERWISE NOTED ON PLANS)
ALL WATER METERS 3/4" (UNLESS OTHERWISE NOTED ON PLANS)

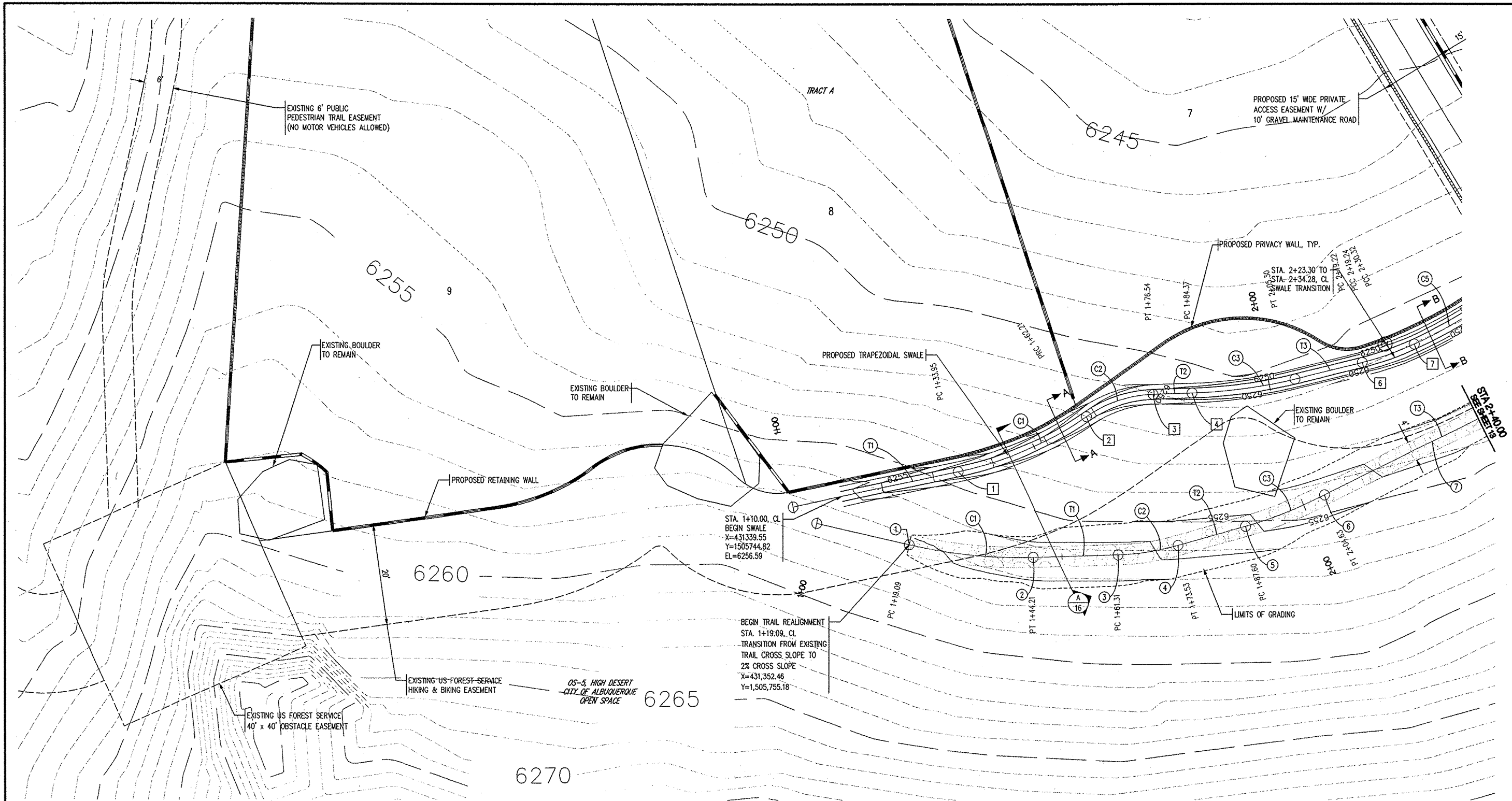
STANDARD DRAWINGS
SAS MH TYPE 'C', STD DWG 2101
SD MH TYPE 'C' & TYPE 'E', STD DWG 2208 & 2209
VALVE BOXES, STD DWG 2326
RING AND COVER, STD DWG 2328
SAS SERVICES, STD DWG 2125
WATER SERVICE, STD DWG 2362
METER BOX, STD DWG 2366
FIRE HYDRANTS, STD DWG 2340

NOTE: ALL OF THE ABOVE ITEMS SHALL BE CONSTRUCTED PER THE STD DWG'S SHOWN UNLESS OTHERWISE NOTED.

NOTE:

EXISTING VALVE A IS APPROXIMATELY 250' FROM NEW 10" CONNECTION AT SOUTH BOUNDARY OF PROJECT TO OPPOSITE SIDE OF EMBUDO ARROYO ADJACENT TO TRAILHEAD SUBDIVISION
FOR EXISTING VALVE LOCATION B SEE THIS SHEET
FOR EXISTING VALVE LOCATIONS C & D SEE SHEET 11

SHEET	OF
9	17



SWALE CL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	28.25'	71.00'	22°48'04"	14.32'
C2	14.33'	25.00'	32°50'44"	7.37'
C3	20.94'	100.00'	11°59'43"	10.51'
C4	11.08'	60.00'	10°34'50"	5.56'
C5	33.80'	93.35'	20°44'42"	17.09'

SWALE CL Tangent Table		
ID	BEARING	LENGTH
T1	N04°33'17"E	33.95'
T2	N14°35'56"E	7.83'
T3	N02°36'13"E	13.92'

SWALE CL Point Table		
ID	STATION	ELEVATION
1	1+33.95	6253.58
2	1+62.21	6251.16
3	1+76.54	6250.01
4	1+84.37	6249.70
5	2+05.30	6249.34
6	2+19.22	6249.30
7	2+30.32	6249.26

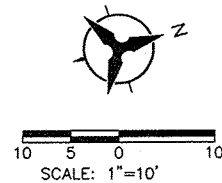
NOTE: ELEVATION AT BOTTOM OF SWALE

TRAIL CL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	25.12'	100.00'	14°23'42"	12.63'
C2	12.22'	50.00'	14°00'31"	6.14'
C3	17.03'	90.00'	10°50'32"	8.54'

TRAIL CL Tangent Table		
ID	BEARING	LENGTH
T1	N14°53'48"E	17.09'
T2	N00°53'17"E	14.07'
T3	N09°57'15"W	48.38'

TRAIL CL Point Table		
ID	STATION	ELEVATION
1	1+19.09	6257.25
2	1+44.21	6256.30
3	1+61.31	6256.15
4	1+73.53	6255.78
5	1+87.60	6255.11
6	2+04.63	6254.39
7	2+28.82	6253.53

NOTE: ALL TIE-BACKS ARE 3:1 TIES UNLESS OTHERWISE NOTED



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DEPARTMENT OF MUNICIPAL DEVELOPMENT
WILDERNESS CAÑON
TRAIL / SWALE PLAN
STA. 1+00 TO STA. 2+40

DESIGN REVIEW COMMITTEE
MAR 07 2007

CITY ENGINEER APPROVAL
MAR 8 3 2007
CITY ENGINEER

LAST DESIGN UPDATE

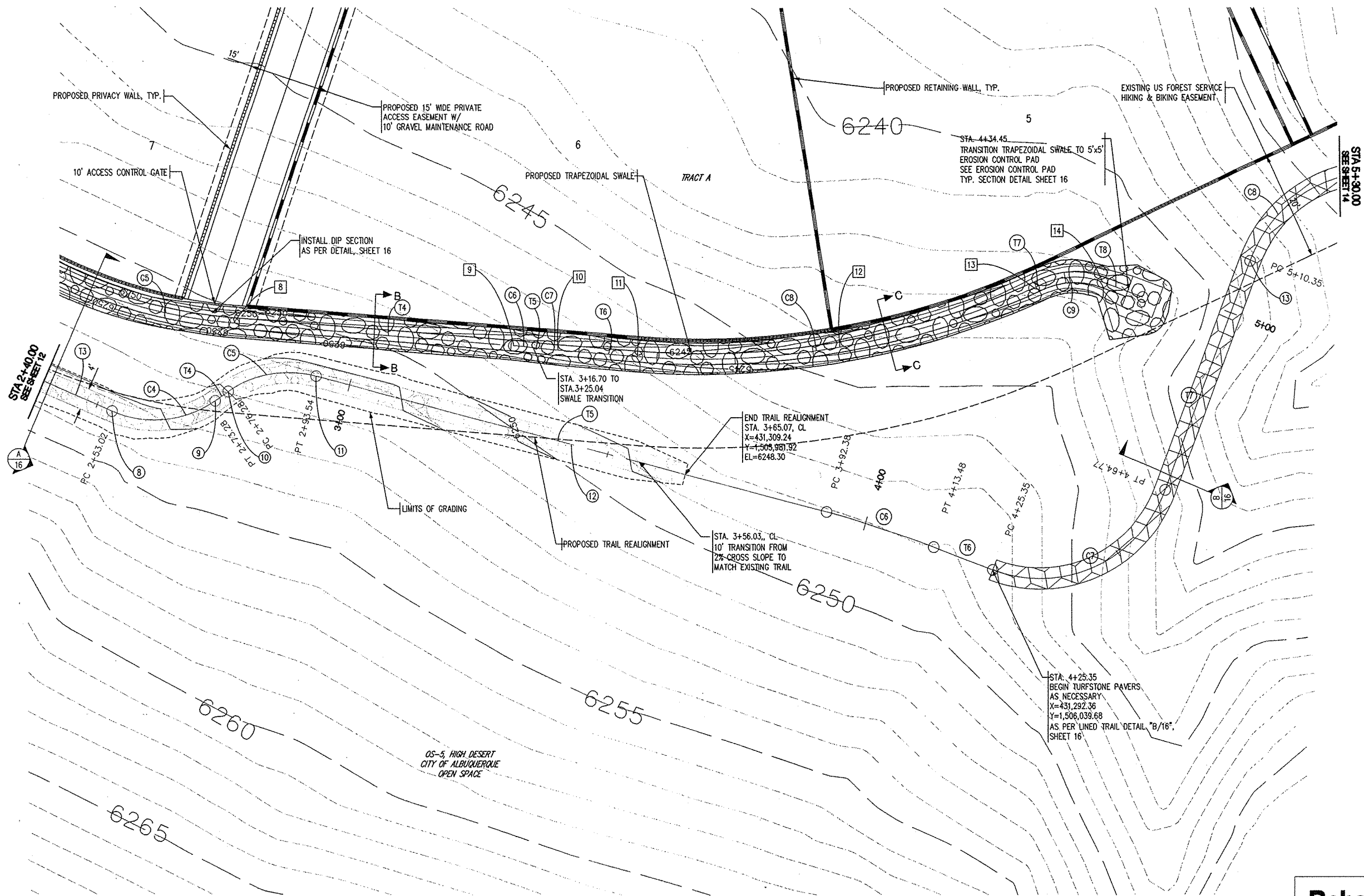
CITY PROJECT NO.
703782

ZONE MAP NO.
F-23

SHEET
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OF
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SWALE CL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C5	33.80'	93.35'	20°44'42"	17.09'
C6	3.34'	100.00'	01°54'50"	1.67'
C7	3.34'	100.00'	01°54'50"	1.67'
C8	76.27'	153.49'	28°28'19"	38.94'
C9	11.90'	15.00'	45°27'39"	6.28'

SWALE CL Tangent Table		
ID	BEARING	LENGTH
T4	N28°48'57"W	52.58'
T5	N26°54'08"W	1.66'
T6	N28°48'57"W	14.85'
T7	N58°17'16"W	1.39'
T8	N12°49'36"W	8.00'

SWALE CL Point Table		
ID	STATION	ELEVATION
8	2+64.12	6249.02
9	3+16.70	6246.96
10	3+25.04	6246.27
11	3+39.89	6245.26
12	3+78.02	6242.66
13	4+16.16	6241.29
14	4+29.45	6240.66

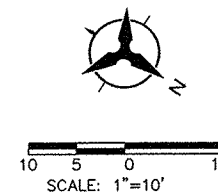
NOTE: ELEVATION AT BOTTOM OF SWALE

TRAIL CL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C4	20.27'	20.00'	58°03'30"	11.10'
C5	17.27'	20.00'	49°28'11"	9.21'
C6	21.10'	200.00'	06°02'44"	10.56'
C7	39.41'	25.00'	90°19'46"	25.14'
C8	33.37'	25.00'	76°29'21"	19.70'

TRAIL Tangent Table		
ID	BEARING	LENGTH
T3	N09°57'15"W	48.38'
T4	N68°00'45"W	2.99'
T5	N18°32'34"W	98.83'
T6	N12°29'51"W	11.87'
T7	S77°10'24"W	45.59'

TRAIL CL Point Table		
ID	STATION	ELEVATION
8	2+53.02	6253.34
9	2+73.28	6252.26
10	2+76.28	6252.00
11	2+93.54	6251.07
12	3+42.96	6249.51
13	5+10.35	6238.29

NOTE: ALL TIE-BACKS ARE 3:1 TIES UNLESS OTHERWISE NOTED



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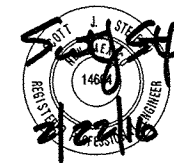
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT

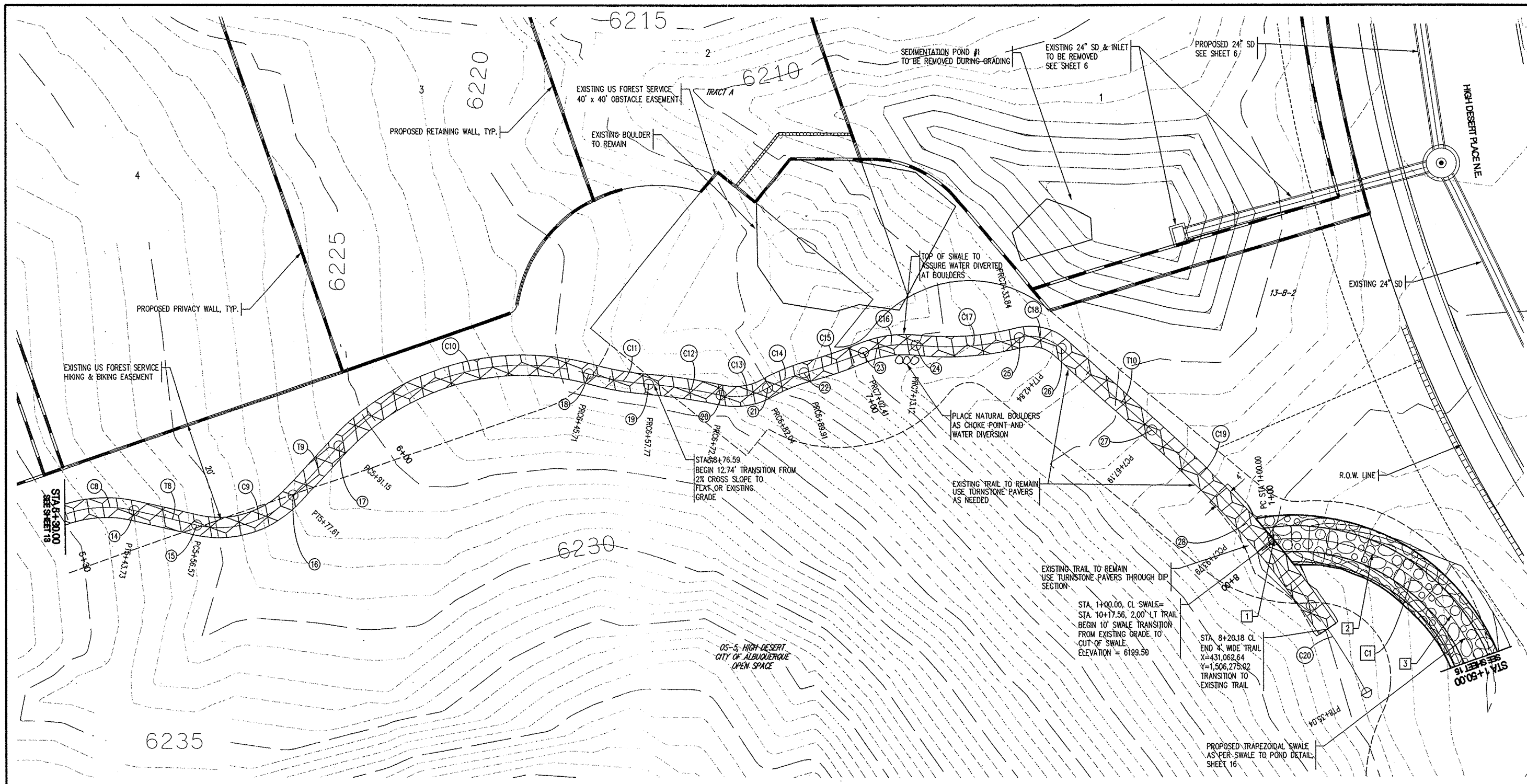
WILDERNESS CAÑON
TRAIL / SWALE PLAN
STA. 2+40 TO STA. 5+30

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	NO. 02/27/07	NO. 02/27/07
DESIGN REVIEW COMMITTEE	CITY ENGINEER	DATE 02/27/07	DATE 02/27/07
DESIGN REVIEW COMMITTEE	CITY ENGINEER	DATE 02/27/07	DATE 02/27/07

CITY PROJECT NO. 703782 ZONE MAP NO. F-23 SHEET 13 OF 17

SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	DATE	USC&GS BRASS TABLE STAMPED "TUMBLE"	CONTRACTOR	DATE	DATE
		GEOGRAPHIC POSITION (NAD 1927) <td>STATED BY<td></td><td></td></td>	STATED BY <td></td> <td></td>		
		N.M. STATE PLANE COORDINATES <td>ACCEPTANCE BY<td></td><td></td></td>	ACCEPTANCE BY <td></td> <td></td>		
		(CENTRAL ZONE) <td>FIELD CHECK BY<td></td><td></td></td>	FIELD CHECK BY <td></td> <td></td>		
		X=425,465.55 Y=1,513,470.01 <td>DATE<td></td><td></td></td>	DATE <td></td> <td></td>		
		GROUND-TO-GRID FACTOR = 0.99961970 <td>DATE<td></td><td></td></td>	DATE <td></td> <td></td>		
		DELTA ALPHA = -00°08'37" <td>DATE<td></td><td></td></td>	DATE <td></td> <td></td>		
		NGVD 1929 SPIRIT ELEVATION = 6009.155 <td>DATE<td></td><td></td></td>	DATE <td></td> <td></td>		





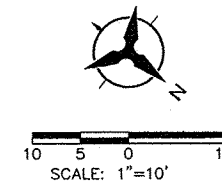
TRAIL CL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C8	33.37	25.00	76°29'21"	19.70
C9	21.05	20.00	60°17'51"	11.62
C10	54.56	50.00	62°31'01"	30.35
C11	12.08	66.72	10°21'25"	6.05
C12	14.68	116.97	07°11'33"	7.35
C13	9.59	13.23	41°32'07"	5.02
C14	7.87	31.40	14°21'29"	3.95
C15	12.50	111.80	06°24'23"	6.26
C16	10.70	22.16	27°40'13"	5.46
C17	20.73	59.09	20°05'44"	10.47
C18	9.00	9.18	56°12'33"	4.90
C19	26.60	263.96	05°46'25"	13.31
C20	41.25	181.18	13°02'43"	20.71

TRAIL CL Tangent Table		
ID	BEARING	LENGTH
T8	N26°20'15"W	12.84
T9	N86°38'06"W	13.54
T10	N02°55'05"E	24.35

TRAIL CL Point Table		
○	STATION	ELEVATION
14	5+43.73	6232.95
15	5+56.57	6230.69
16	5+77.61	6227.01
17	5+91.15	6225.73
18	6+45.71	6219.26
19	6+57.77	6218.55
20	6+72.45	6219.05
21	6+82.04	6215.27
22	6+89.91	6212.51
23	7+02.41	6210.57
24	7+13.12	6210.03
25	7+33.84	6207.85
26	7+42.84	6206.77
27	7+67.19	6203.89
28	7+93.79	6200.71

Swale CL Point Table			
	STATION	ELEVATION	EVENT
1	1+00.00	6200.93	PC
2	1+20.00	6197.79	STA
3	1+40.00	6195.63	STA

Swale CL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	53.46	38.82	78°54'36"	31.95



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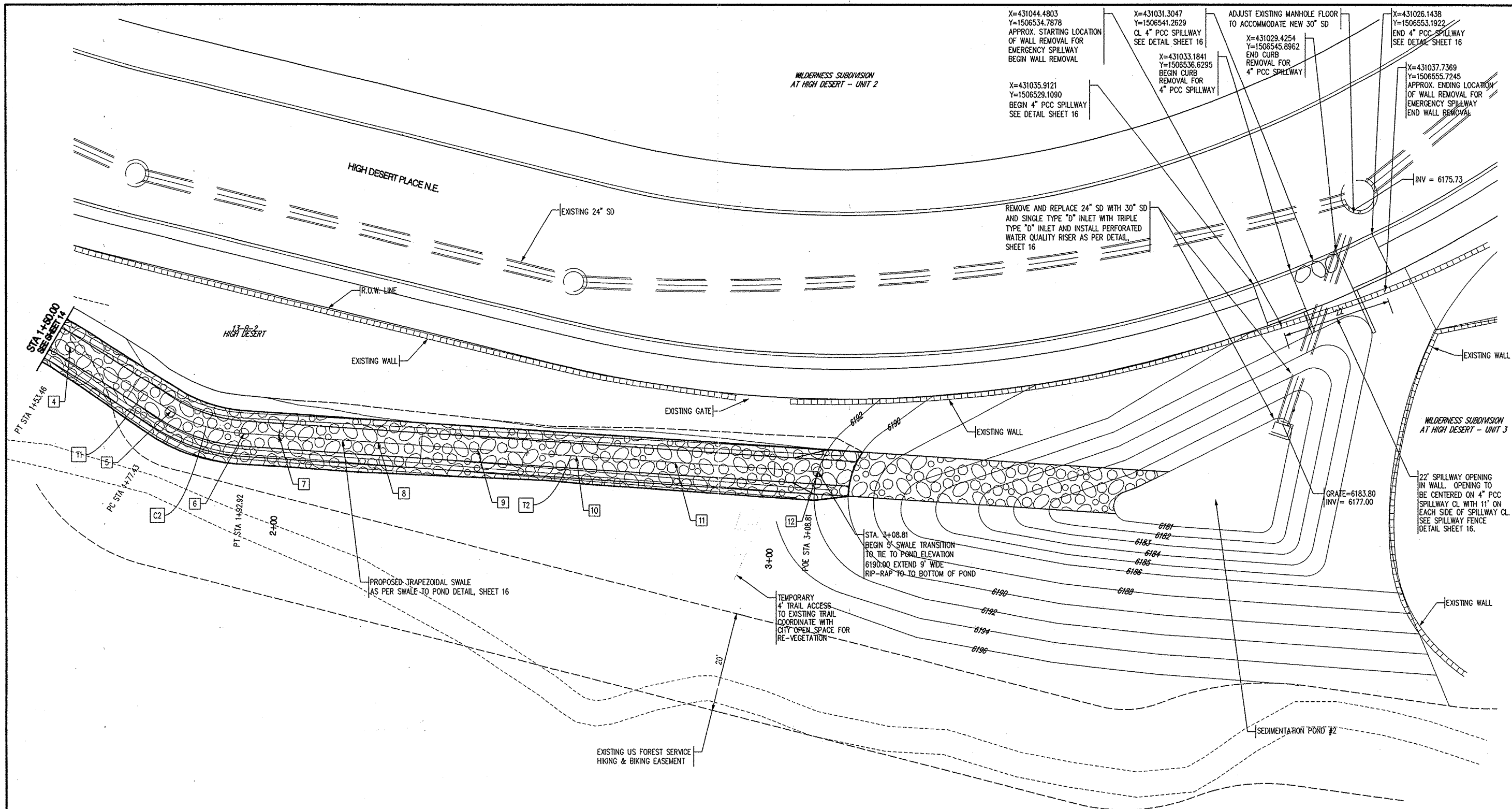
WILDERNESS CAÑON
TRAIL / SWALE PLAN
STA. 5+30 TO STA. 8+34.93

DESIGN REVIEW COMMITTEE
APPROVED
MAR 8 2015
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
APPROVED
MAR 8 2015
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LAST DESIGN UPDATE

CITY PROJECT NO. 703782 ZONE MAP NO. F-23 SHEET 14 OF 17



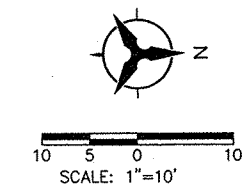
Swale CL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C2	15.49°	34.49'	25°44'10"	7.88'

Swale CL Tangent Table		
ID	BEARING	LENGTH
T1	N33°10'35"E	23.97'
T2	N04°28'46"E	115.89'

Swale CL Point Table			
STATION	ELEVATION	EVENT	
4	1+53.46	6194.86	PT
5	1+77.43	6193.78	PC
6	1+92.92	6193.45	PT
7	2+00.00	6193.36	STA
8	2+20.00	6193.11	STA
9	2+40.00	6192.86	STA
10	2+60.00	6192.61	STA
11	2+80.00	6192.36	STA

NOTE: ELEVATION AT BOTTOM OF SWALE

Swale CL Point Table			
STATION	ELEVATION	EVENT	
12	3+08.61	6192.00	POE



AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	USC&GS BRASS TABLE STAMPED "TUMBLE"	DATE	NO.	BY		NO. DATE REMARKS REVISIONS DESIGN
STARTED BY	DATE	GEOGRAPHIC POSITION (NAD 1927)	DATE				
ACCEPTANCE BY	DATE	N.M. STATE PLANE COORDINATES	DATE				
FIELD CORRECTION BY	DATE	(CENTRAL ZONE)	DATE				
MICRO-FILM INFORMATION		GROUND-TO-GRID FACTOR = 0.99961970		DELTA ALPHA = -0008'31"		DESIGNED BY YPM / RA	
		NOVD 1929 SPIRIT ELEVATION = 6009.155				DRAWN BY ARR / CAM	
						CHECKED BY YPM	
						DATE 08/2007	
						DATE 08/2007	
						DATE 08/2007	

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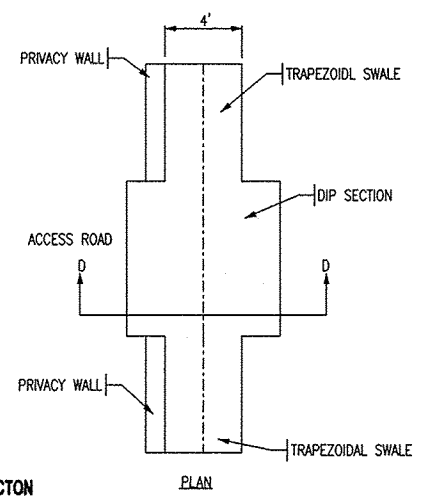
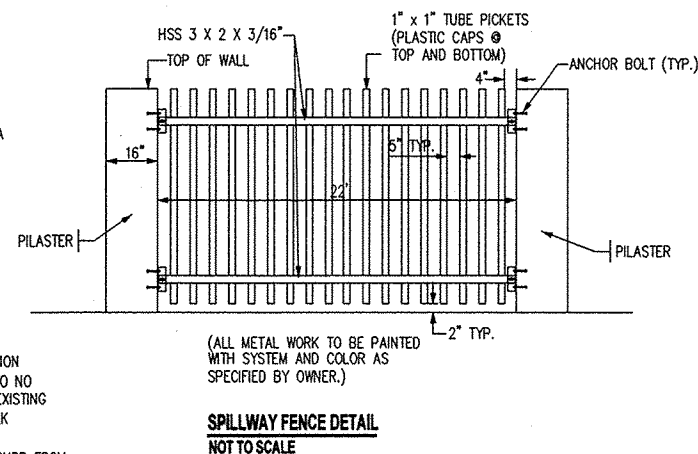
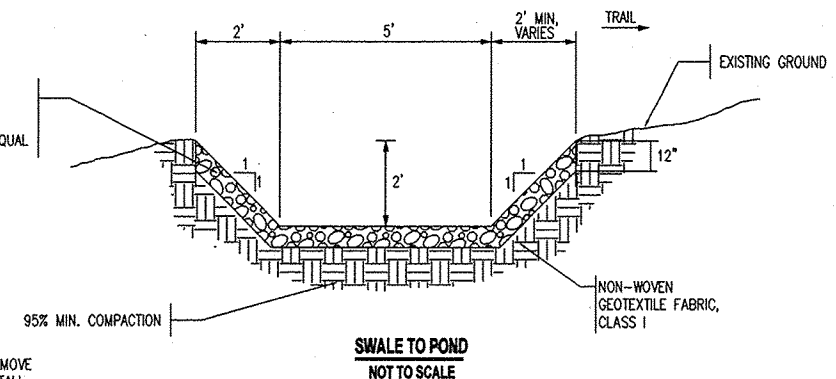
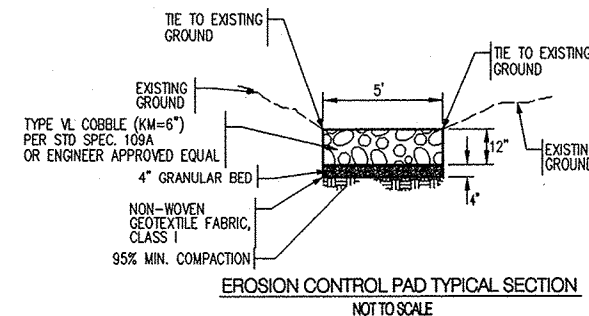
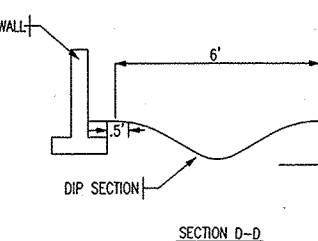
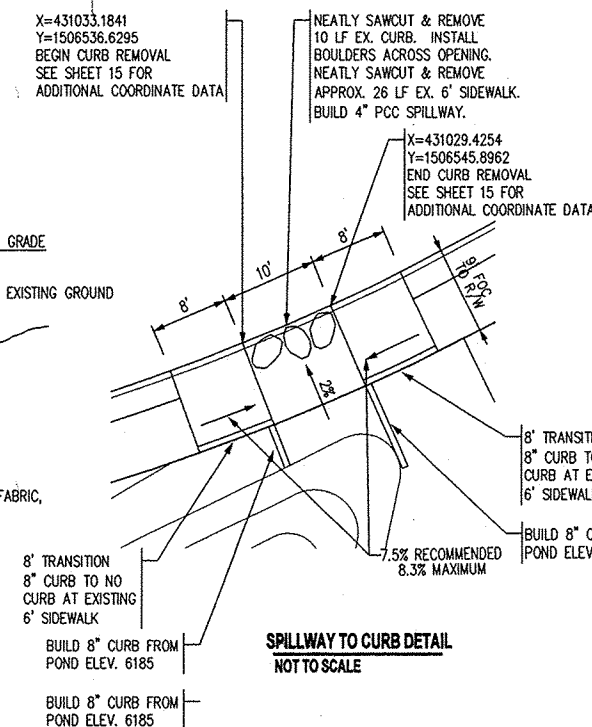
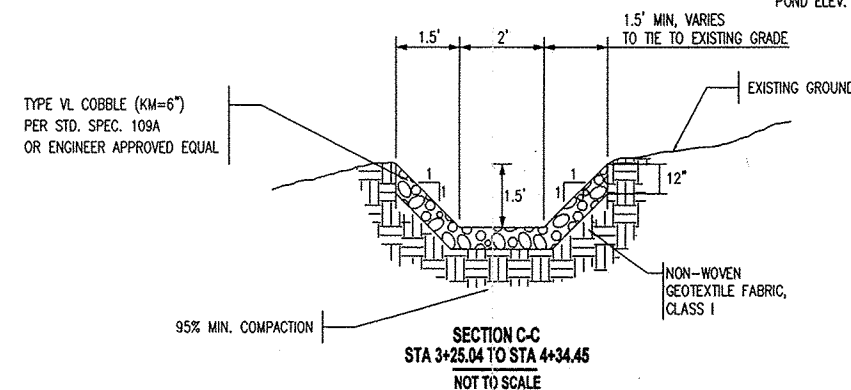
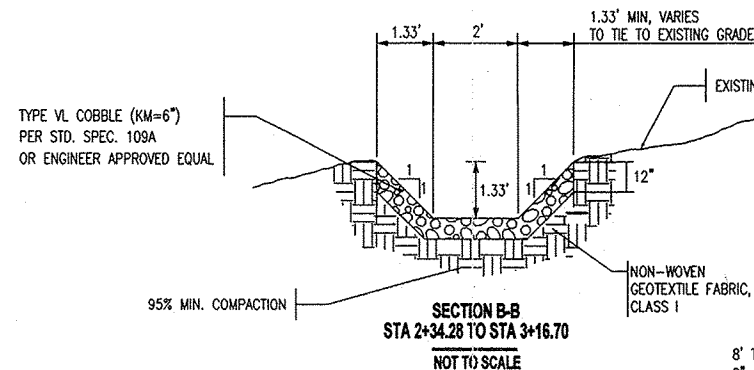
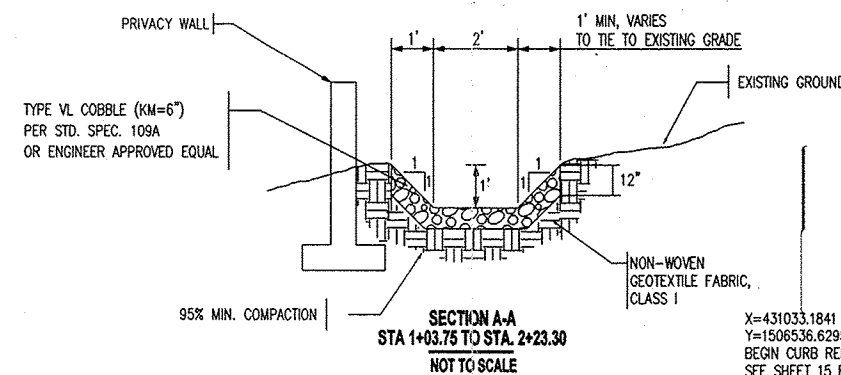
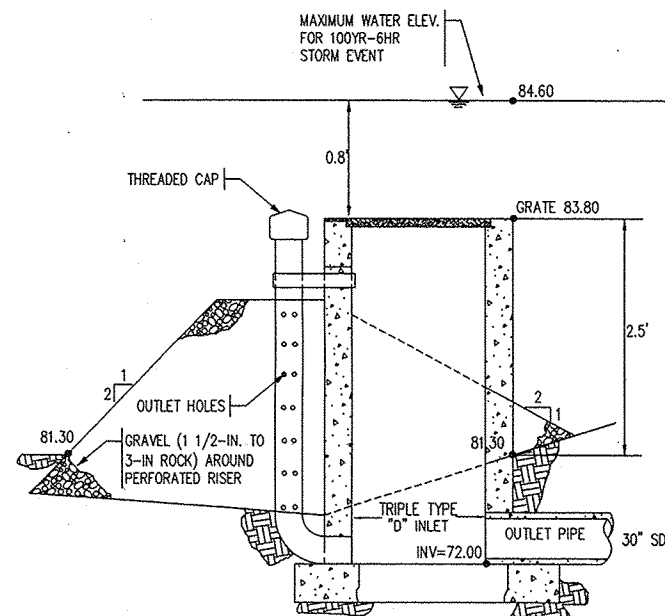
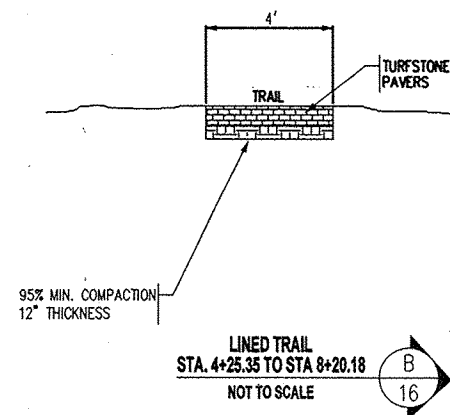
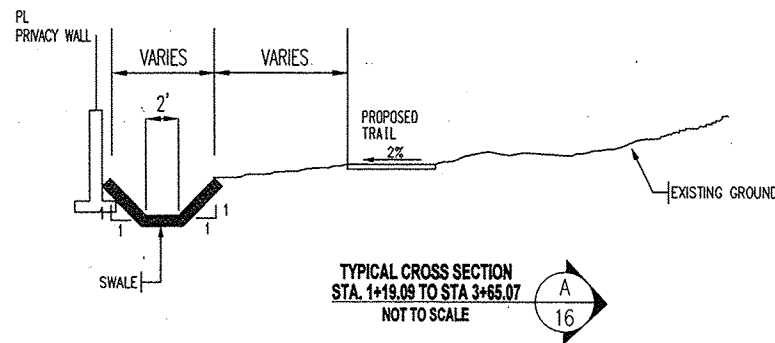
WILDERNESS CANON TRAIL / SWALE PLAN
STA. 1+50 TO STA. 3+09

DESIGN REVIEW COMMITTEE
MAR 07 2006
DESIGN REVIEW COMMITTEE

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MAR 29 2006
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MO./DAY/YR. MO./DAY/YR.

CITY PROJECT NO. 703782 ZONE MAP NO. F-23 SHEET 15 OF 17



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DEPARTMENT OF
MUNICIPAL DEVELOPMENT

WILDERNESS CAÑON
TRAIL / SWALE DETAILS

DESIGN REVIEW COMMITTEE
MAR 20 2008
DESIGN REVIEW COMMITTEE

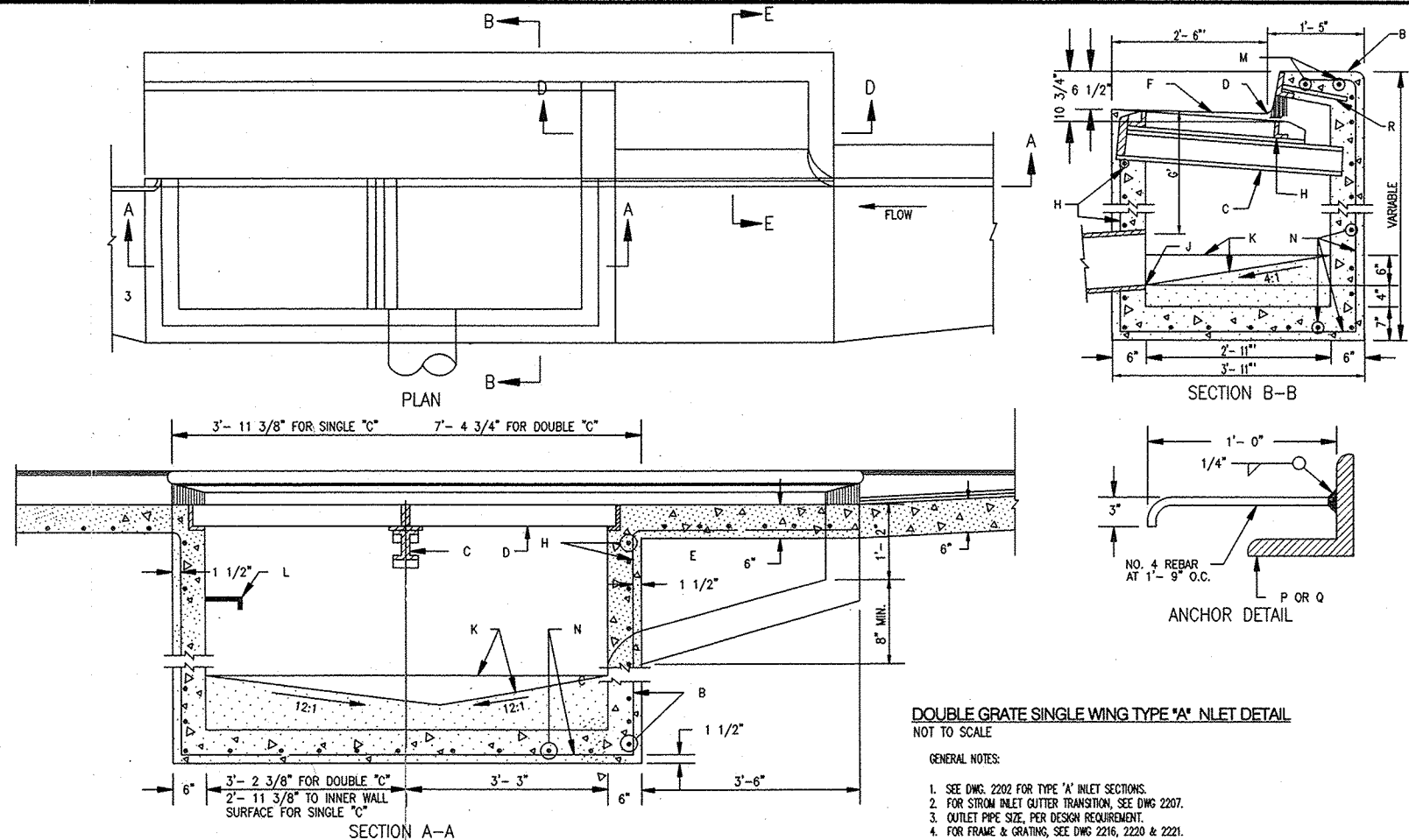
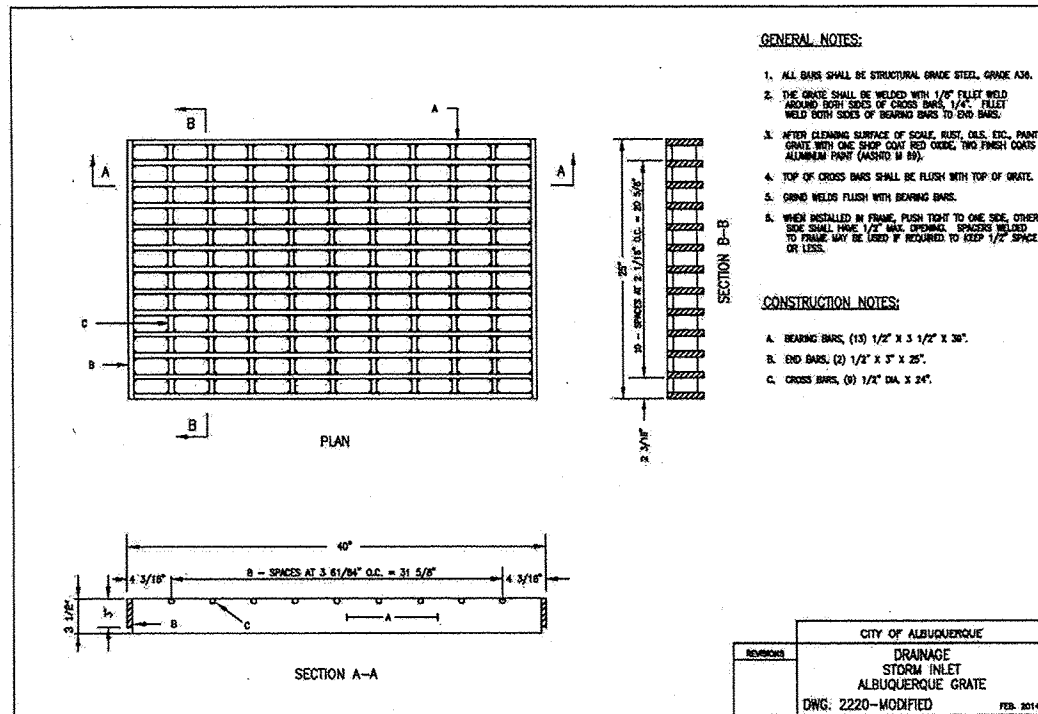
CITY ENGINEER
MAR 20 2008
CITY ENGINEER

NO. / DAY / YR. / MO. / DAY / YR.
LAST DESIGN UPDATE
SHEET 16 OF 17

CITY PROJECT NO. 703782

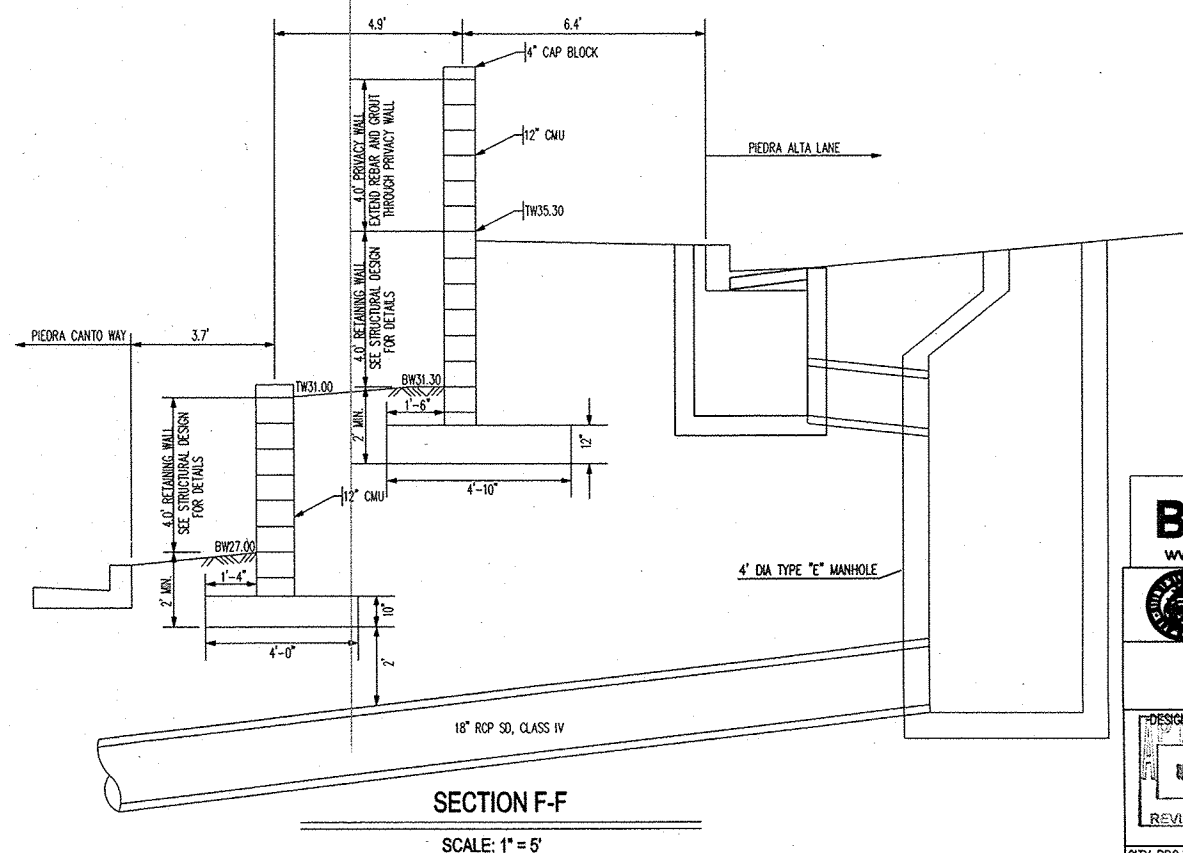
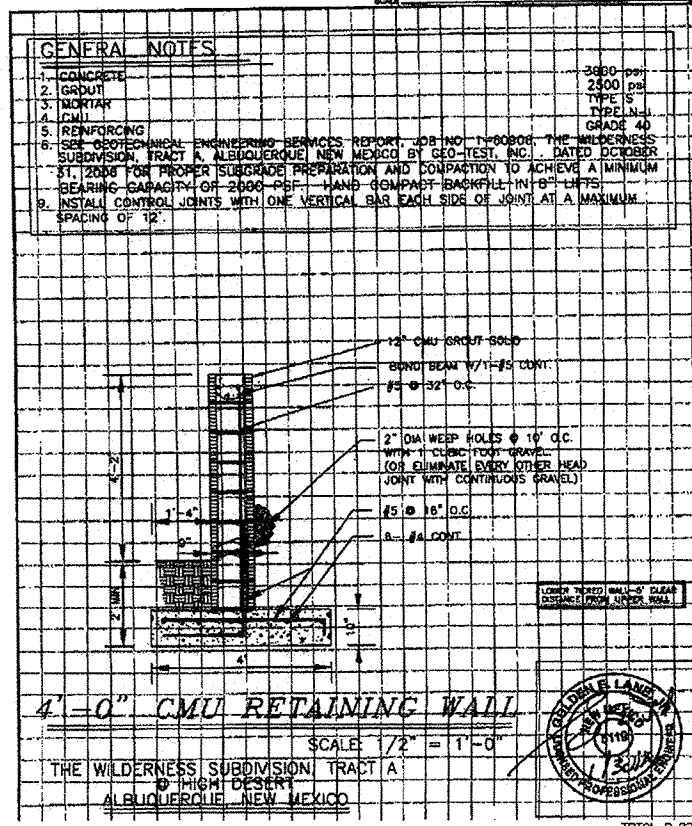
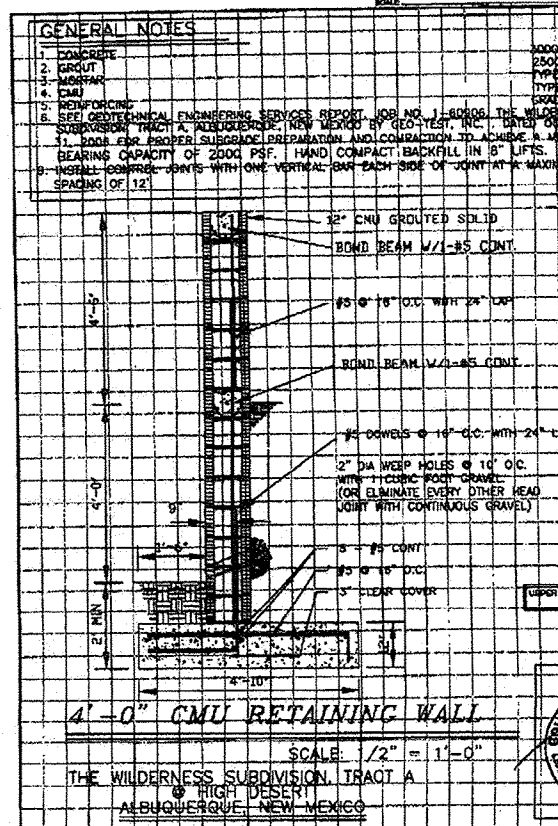
ZONE MAP NO. F-23

SHEET 16 OF 17



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WILDERNESS CAÑON
MISCELLANEOUS STORM DRAIN DETAILS

DESIGN REVIEW COMMITTEE
MAR 07 2015
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CITY PROJECT NO. 703782
SHEET 17 OF 17