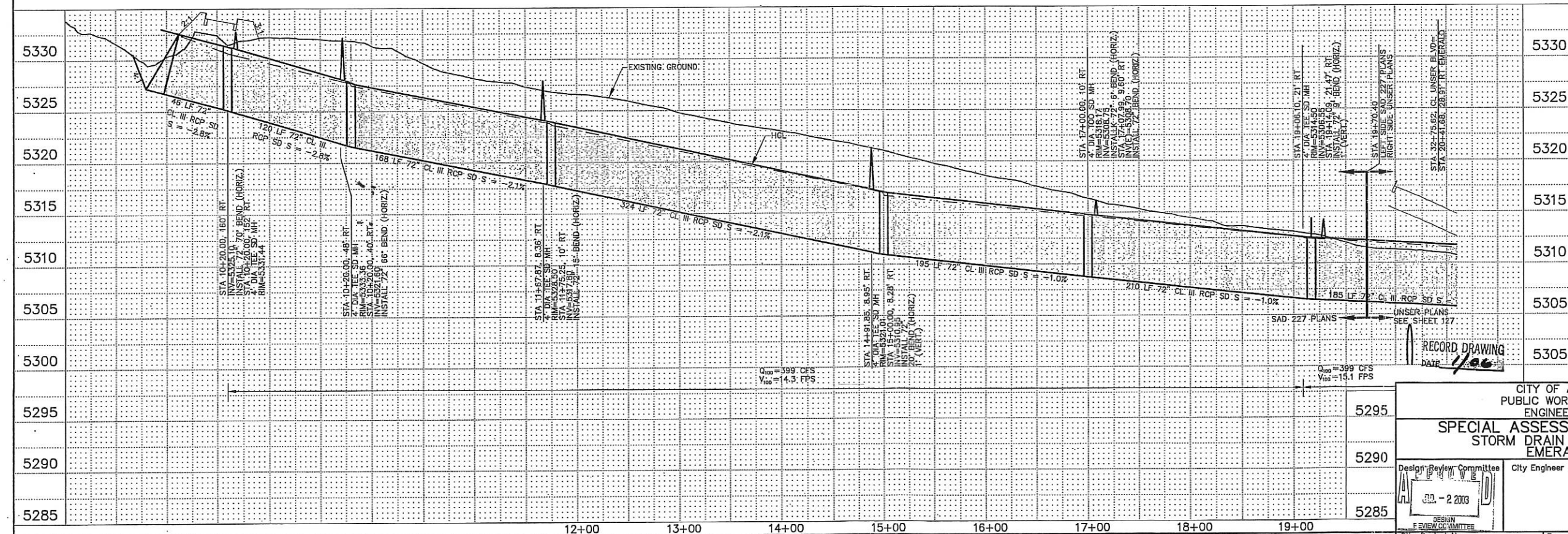
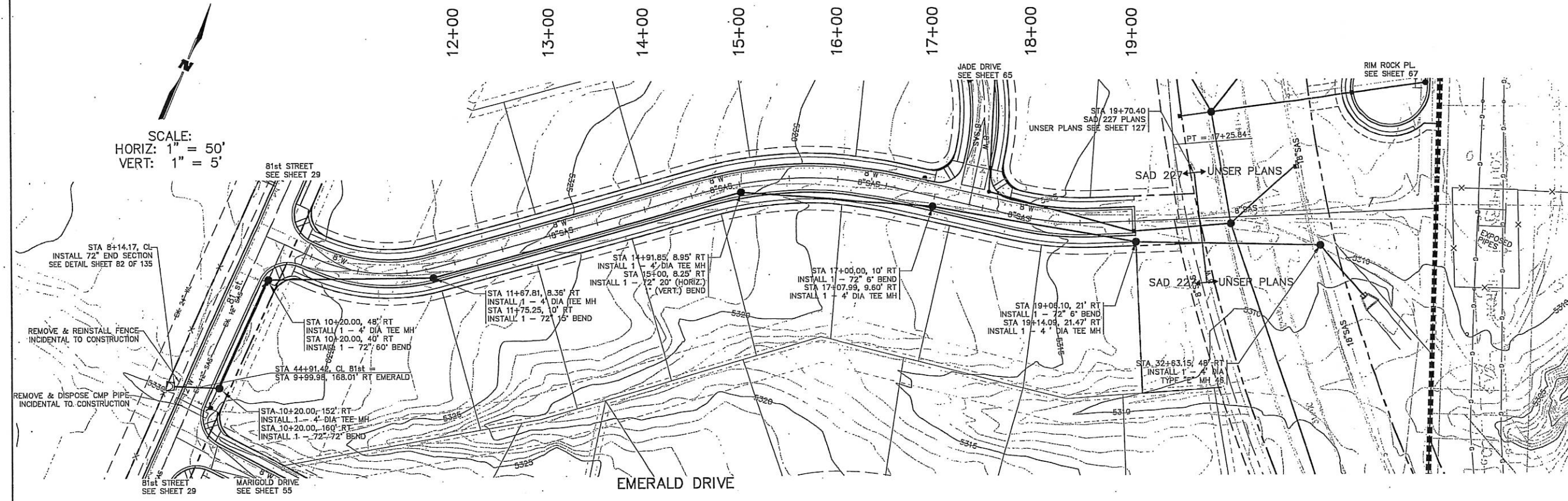


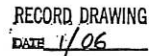
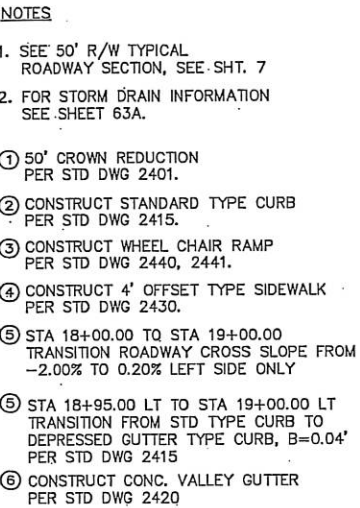
APPENDIX 5 (CD)

REFERENCED DOCUMENTS

- o Wilson & Company, Inc (2003), SAD 227
 - Storm drain Plan & Profile Sheets, Emerald Drive Sheets 63A and 63 of 135, 128A of 159
 - Storm Drain Plan & Profile, Onyx Drive NW sheet 71A of 135
- o Wilson & Company, Inc (2004), Vista Vieja Current Basin Boundary Map
- o Wilson & Company, Inc (2004), SAD 227
 - Grading and Storm Drain Plan & Profile sheets 125A to 127A of 159
- o Wilson & Company, Inc (2005), SAD 227
 - Vista Vieja Phase I Paving and Storm drain Plan & Profile Vista Vieja Avenue, NW sheet 14 of 35
- o Wilson & Company, Inc (2014), SAD 228,
 - Volume 2 - Paving/storm Drain Plan & Profile Sheets 15 and 29 of 29
 - Volume 1 - Pond 4 Grading Plan Sheet 109A of 156
 - Volume 1 - Pond 5 Grading Plan Sheet 110R of 156
 - Volume 1 - Pond 6 Grading Plan Sheet 111R of 156
- o Photos of Properties with Existing Retaining Wall
- o Cross Section Survey Map



AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	SALLS BROTHERS	DATE	6/03	NO.	1		REVISIONS
DESIGNED BY	WILSON & CO.	DATE	6/03	BY	WILSON & CO.		
CHECKED BY	WILSON & CO.	DATE	6/03	DATE	MAY 03		
RECORDED BY	WILSON & CO.	DATE	6/03	DATE	MAY 03		
PROJECT		SPECIAL ASSESSMENT DISTRICT 227		CITY OF ALBUQUERQUE		PUBLIC WORKS DEPARTMENT	
SHEET		D-10, E-10		707391		33	
DATE		MAY 2003		WCEA #X1218025		MAY 2003	



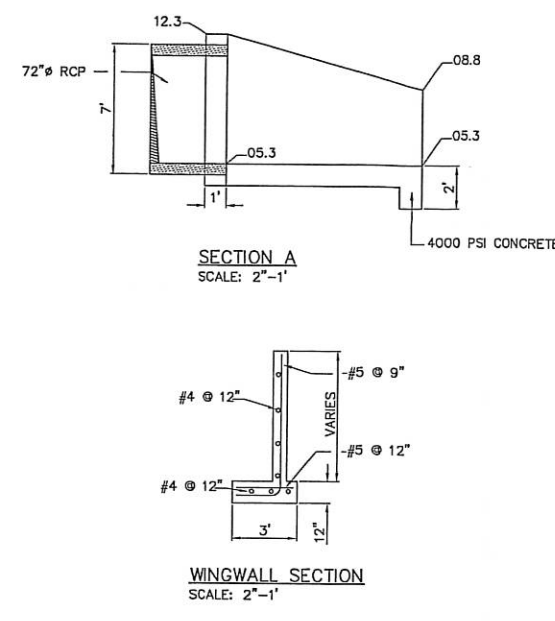
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP
SPECIAL ASSESSMENT DISTRICT 227
PAVING PLAN & PROFILE
EMERALD DRIVE N.W.

Design Review Committee	City Engineer Approval	Least Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	707391	Zone Map No.	D-10, E-10	Sheet	Of	63	135
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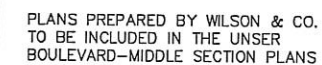
SURVEY INFORMATION			BENCH MARKS		AS-BUILT INFORMATION	
FIELD NOTES		DATE	ACS BRASS CAP, STAMPED "3-E10 1989"		CONTRACTOR SALLS BROTHERS	
NO.	BY		SET IN TOP OF CONCRETE POST PROJECTING 0.30 FT. ABOVE GROUND, LOCATED APPROX. 178' SE. OF THE INTERSECTION OF RIM ROCK DR. NW AND MARGOLD DR. NW (NAD 1927), X 358813.84, Y 1512565.54		CONTRACTOR	DATE
	WILSON & CO.				STAMPED BY	DATE 7/03
	THRU				FIELD	DATE 11/05
	WILSON & CO.				REVISIONS BY	DATE 11/05
					CONTRACTED BY	DATE 01/06
					MICRO-FILM INFORMATION	
					RECORDED BY	DATE
			ELEVATION = 5316.12 FT. (SLD 1929)		NO.	

[illegible]



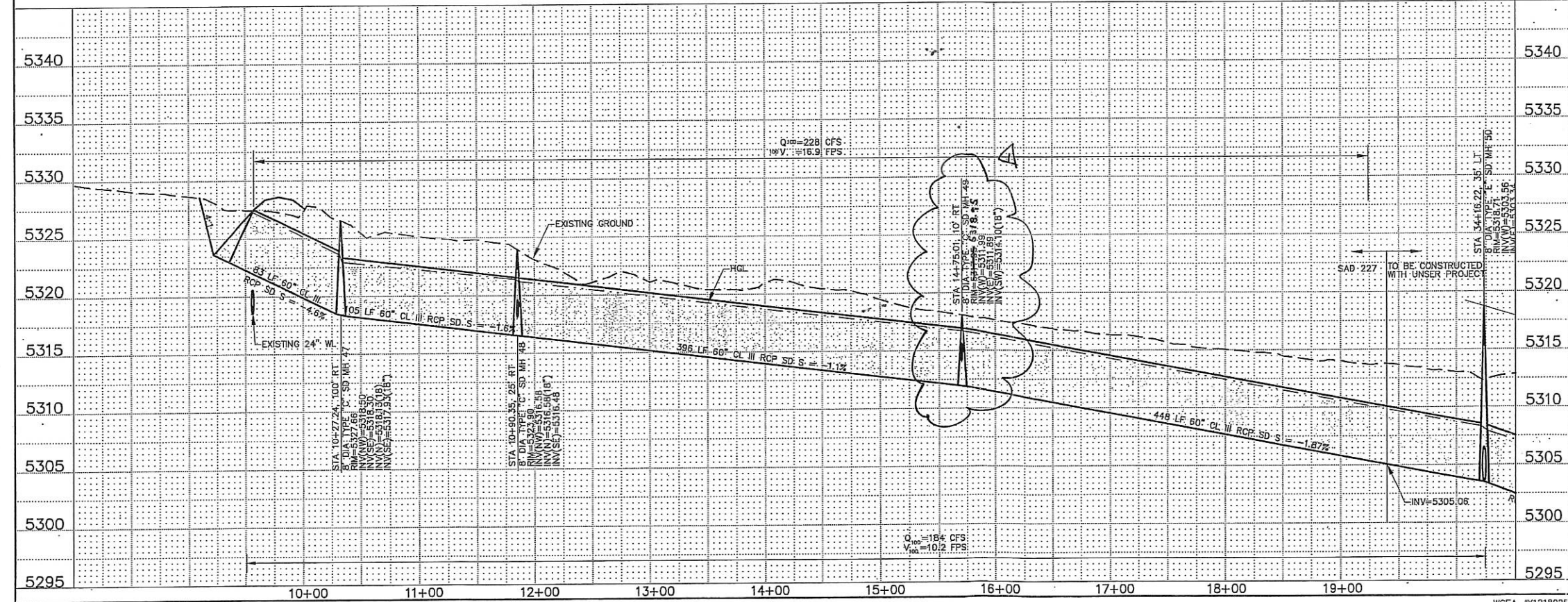
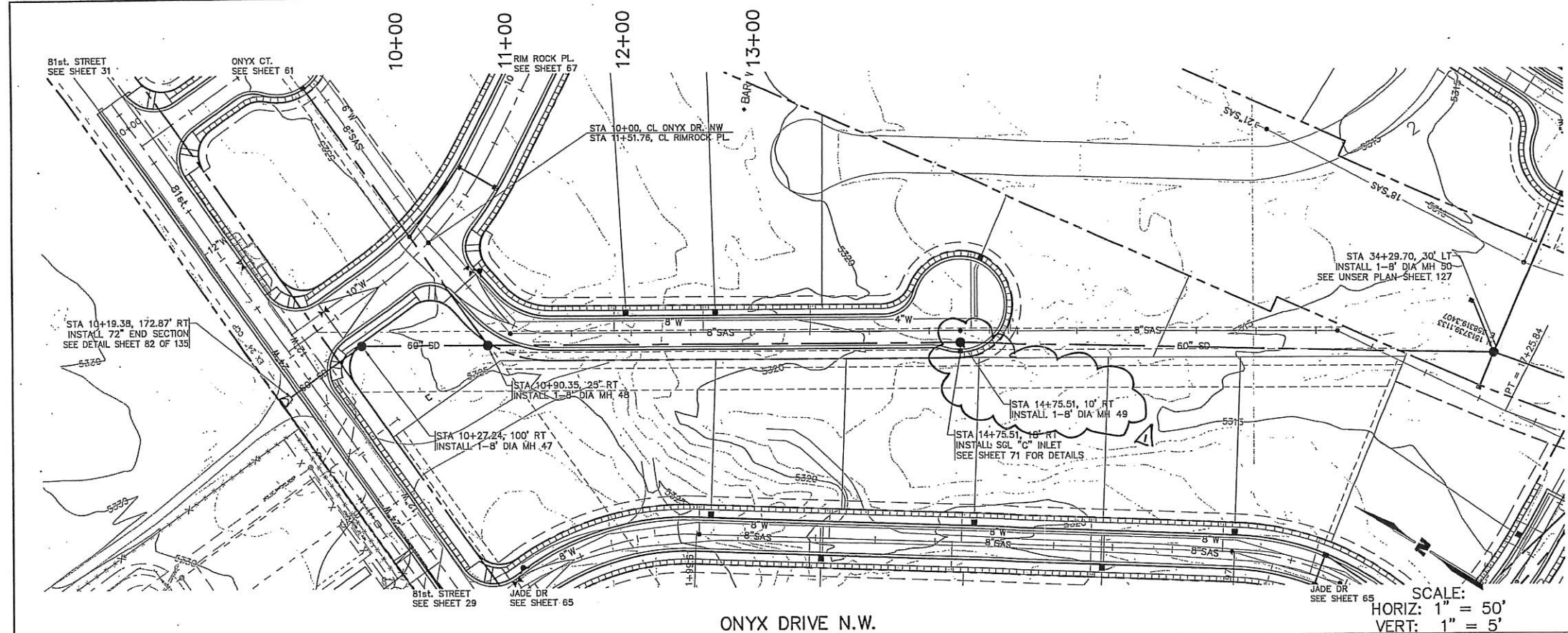
CHANNEL SECTION B
SCALE: 5"=1'

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



Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	Of	
707392	D10,E10	128A	159	

[illegible]

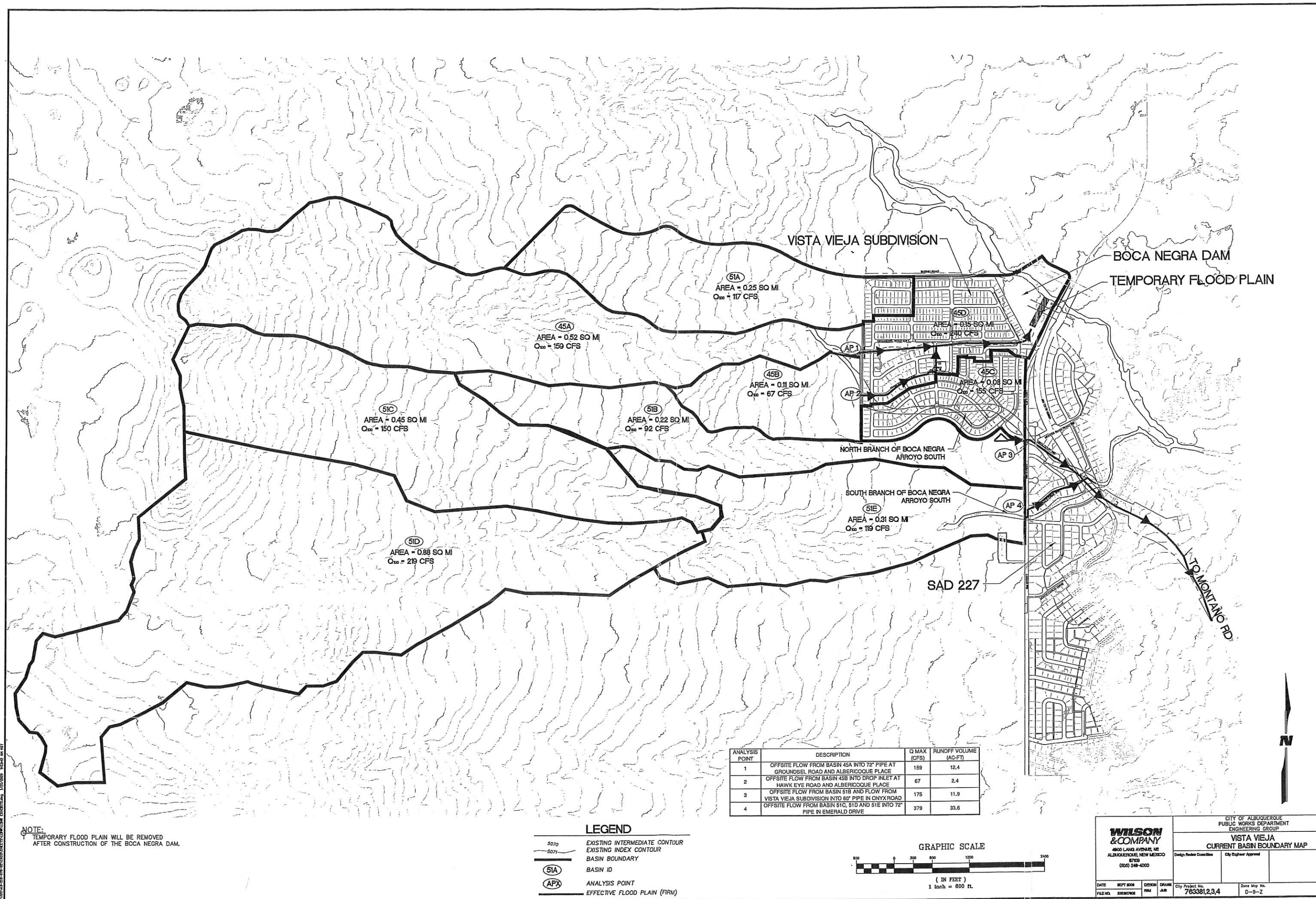


RECORD DRAWING
DATE 1/06

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
SPECIAL ASSESSMENT DISTRICT 227 STORM DRAIN PLAN & PROFILE ONYX DRIVE N.W.	
Design Review Committee APR - 2 2003	City Engineer Approval
City Project No. 707391	Zone Map No. D-10, E-10
Sheet 71A	Of 135

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	ACS BRASS CAP, STAMPED "3-EIO 1969"	SET IN TOP OF CONCRETE POST PROJECTING 0.30 FT. ABOVE GROUND, LOCATED APPROX. 178' SE. OF THE INTERSECTION OF RIM ROCK DR. NW AND MARIGOLD DR. NW (NAD 1927), X 358813.84, Y 1512565.54	NO.	BY	NO. DATE	BY DATE
DESIGNED BY	DATE	SET IN TOP OF CONCRETE POST PROJECTING 0.30 FT. ABOVE GROUND, LOCATED APPROX. 178' SE. OF THE INTERSECTION OF RIM ROCK DR. NW AND MARIGOLD DR. NW (NAD 1927), X 358813.84, Y 1512565.54	ELEVATION = 5316.12 FT. (SID 1929)	NO.	BY	NO. DATE	BY DATE
DRAWN BY	DATE			NO.	BY	NO. DATE	BY DATE
CHECKED BY	DATE			NO.	BY	NO. DATE	BY DATE
RECORDED BY	DATE			NO.	BY	NO. DATE	BY DATE



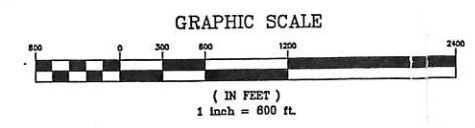


NOTE:
TEMPORARY FLOOD PLAIN WILL BE REMOVED
AFTER CONSTRUCTION OF THE BOCA NEGRA DAM.

LEGEND

5070 EXISTING INTERMEDIATE CONTOUR
5071 EXISTING INDEX CONTOUR
BASIN BOUNDARY
51A BASIN ID
APX ANALYSIS POINT
EFFECTIVE FLOOD PLAIN (FIRM)

ANALYSIS POINT	DESCRIPTION	Q MAX (CFS)	RUNOFF VOLUME (AC-FT)
1	OFFSITE FLOW FROM BASIN 45A INTO 72" PIPE AT GROUNDSEL ROAD AND ALBERICOQUE PLACE	159	12.4
2	OFFSITE FLOW FROM BASIN 45B INTO DROP INLET AT HAWK EYE ROAD AND ALBERICOQUE PLACE	67	2.4
3	OFFSITE FLOW FROM BASIN 51B AND FLOW FROM VISTA VIEJA SUBDIVISION INTO 60" PIPE IN ONYX ROAD	175	11.9
4	OFFSITE FLOW FROM BASIN 51C, 51D AND 51E INTO 72" PIPE IN EMERALD DRIVE	379	33.6



WILSON & COMPANY
4800 LAND AVENUE, NE
ALBUQUERQUE, NEW MEXICO
87109
(505) 248-4000

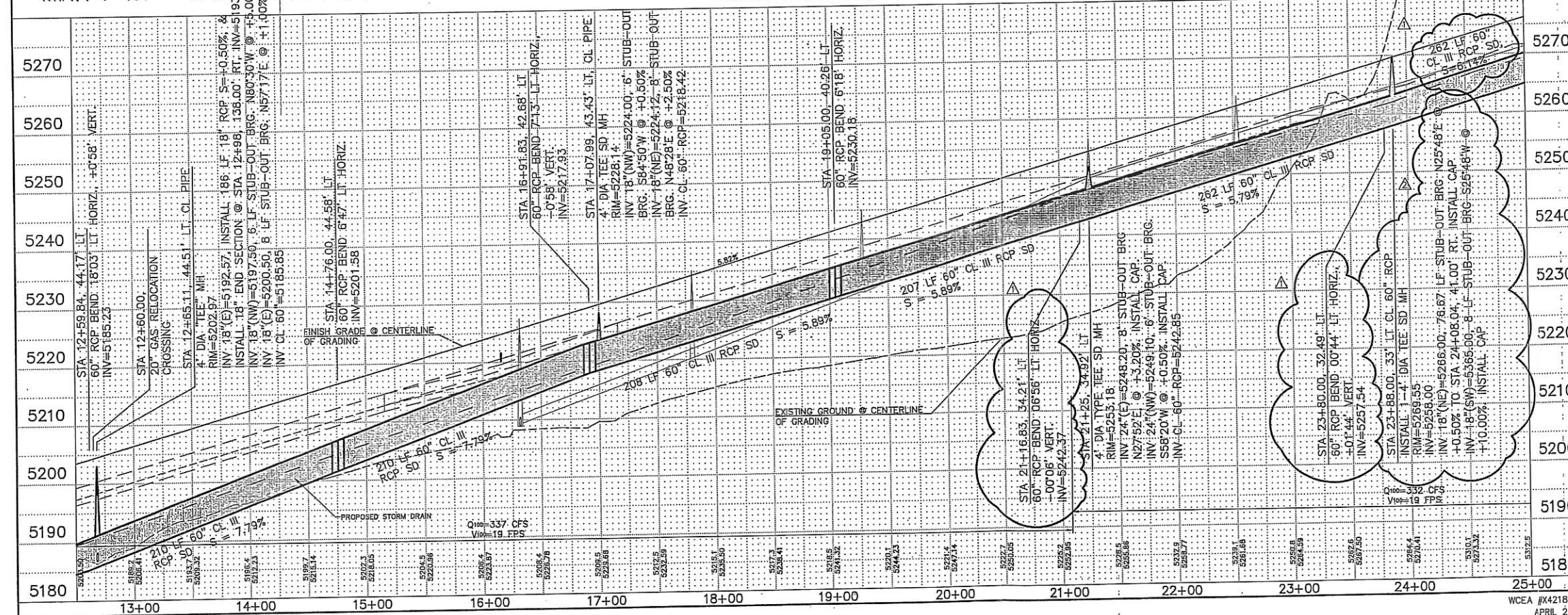
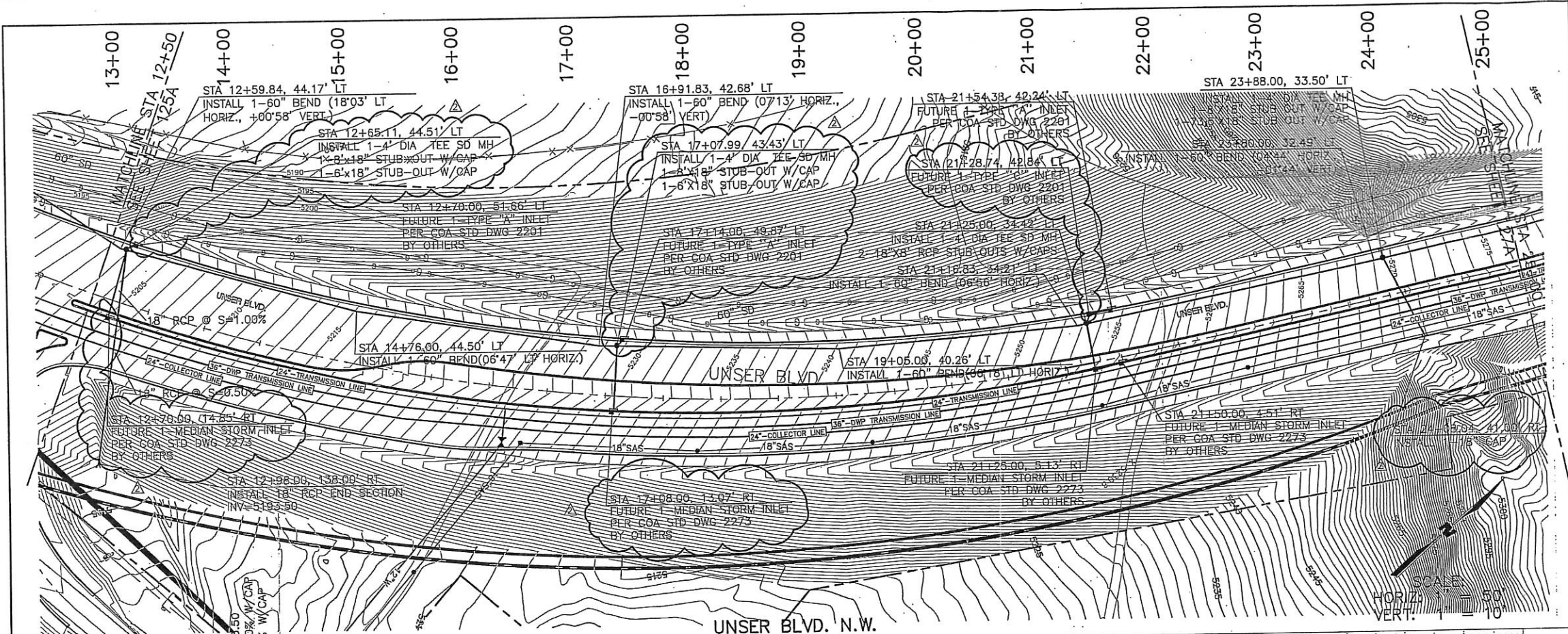
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

**VISTA VIEJA
CURRENT BASIN BOUNDARY MAP**

Design Review Committee City Engineer Approval

DATE: SEPT 2008	DESIGN: RMA	DRAWN: JAB	City Project No. 763381.2,3,4	Zone Map No. D-9-Z
FILE NO. 20080006				

ALBUQUERQUE, NEW MEXICO 87109 1/25/2009 10:45 AM 10/1



ENGINEER'S SEAL				SURVEY INFORMATION			BENCH MARKS		AS-BUILT INFORMATION	
				FIELD NOTES			ACS BRASS CAP, STAMPED "3-E10 1969" SET IN TOP OF CONCRETE POST PROJECTING 0.30 FT. ABOVE GROUND. LOCATED APPROX. 178' SE. OF THE INTERSECTION OF RIM ROCK DR. NW AND MARIGOLD DR. NW (NAD 1927), X 358813.64, Y 1512565.54 ELEVATION = 5316.12 FT. (SLD 1929)		CONTRACTOR	
				NO.	BY	DATE			WORK STARTED BY	SALLS BROTHERS
			WC	WILSON & CO.	5/03	WILSON & CO.	DATE 7/03			
			WC	THRU		WILSON & CO.	DATE 11/05			
			BY	WILSON & CO.	11/05	WILSON & CO.	DATE 01/06			
DESIGNED BY RSM DRAWN BY STAFF DATE APRIL 04 DATE APRIL 04				REVISIONS			CORRECTED BY		DATE	
				WILSON & COMPANY, ENGINEERS & ARCHITECTS			MICRO-FILM INFORMATION			

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

SPECIAL ASSESSMENT DISTRICT 227
GRADING AND STORM DRAIN PLAN & PROFILE
PUBLIC UTILITY & STORM DRAIN IMPROVEMENTS

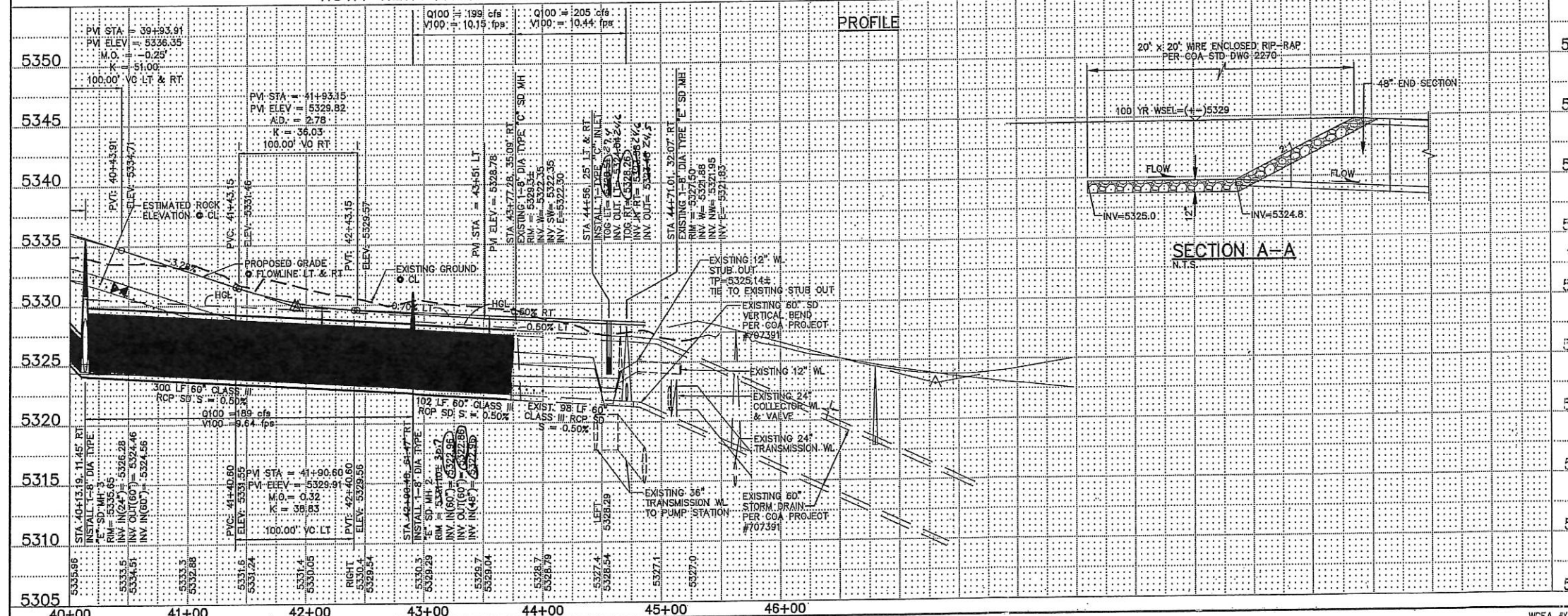
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

X 4	City Project No. 707391	Zone Map No. D-10, E-10	Sheet 126A	Of 15
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**WILSON
& COMPANY**



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



SEE TYPICAL ROADWAY SECTION. D
SEE SHEET 10

- ① CONSTRUCT STANDARD CURB & GUTTER
PER STD DWG 2415A
- ② BLANKET STORM DRAIN EASEMENT
- ③ CONSTRUCT WHEELCHAIR RAMP
PER STD DWG 2441 CASE II
- ④ CONSTRUCT 6' VALLEY GUTTER
PER STD DWG 2420
- ⑤ 50' CROWN REDUCTION
PER STD DWG 2401
- ⑥ CONSTRUCT 8' WIDE TRAIL - ALIGNMENT
TO REMAIN WITHIN 25' OF ROW AND
BE DETERMINED IN FIELD BY
LANDSCAPE ARCHITECT
- ⑦ STA 44+89, 55' LT TO
- STA 44+89, 55' RT
REMOVE 110' LF EXISTING CURB & GUTTER
SAW AT EXISTING PAVEMENT.
- ⑧ SAW CUT EXISTING 81 ST. STREET
PAVEMENT 1". PER COA DWG #2465
- ⑨ BIKE TRAIL RAMP SEE SHEET #10

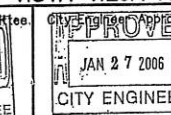
Certification
THE CHANGES SHOWN HEREON ARE BASED UPON A
FIELD SURVEY CONDUCTED BY ME OR UNDER MY
SUPERVISION AND REFLECT THE LOCATIONS
(VERTICALLY AND HORIZONTALLY) TO THE BEST OF
MY KNOWLEDGE AND BELIEF.



INDEX MAP

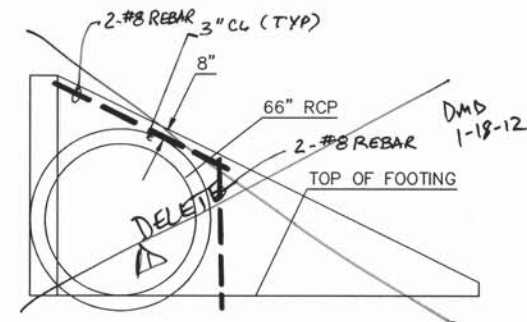
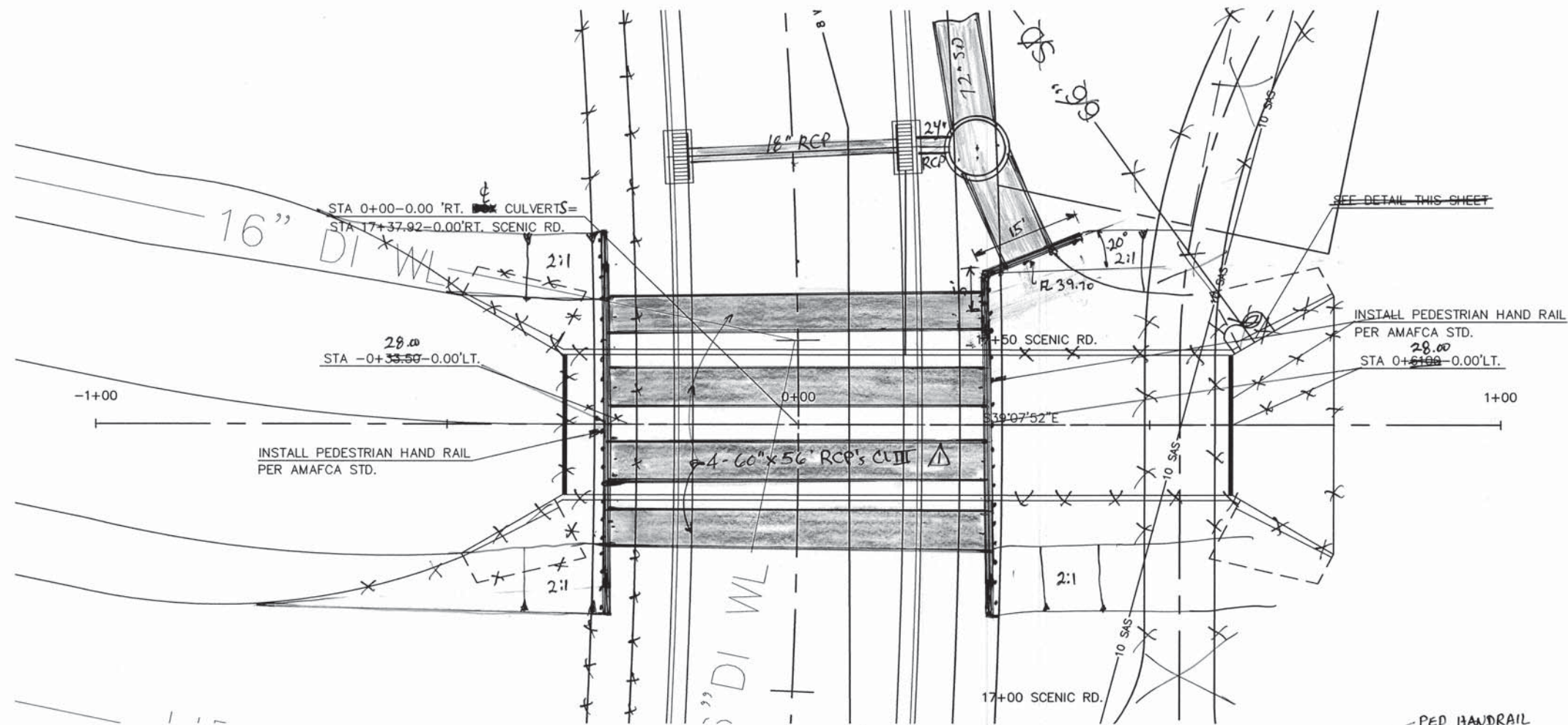
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

ENGINEERING GROUP
VISTA VIEJA PHASE I
PAVING AND STORM DRAIN PLAN & PROFILE
VISTA VIEJA AVENUE N.W.



078	City Project No.	Zone Map No.	Sheet	Of
005	7633.81	D-9	14	35

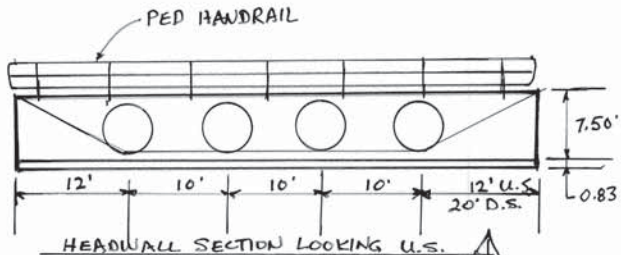
**WILSON
& COMPANY**



SCENIC RD. BOX CULVERT
WING WALL WITH 66" RCP

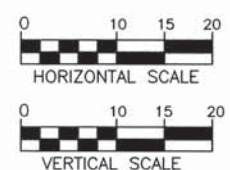
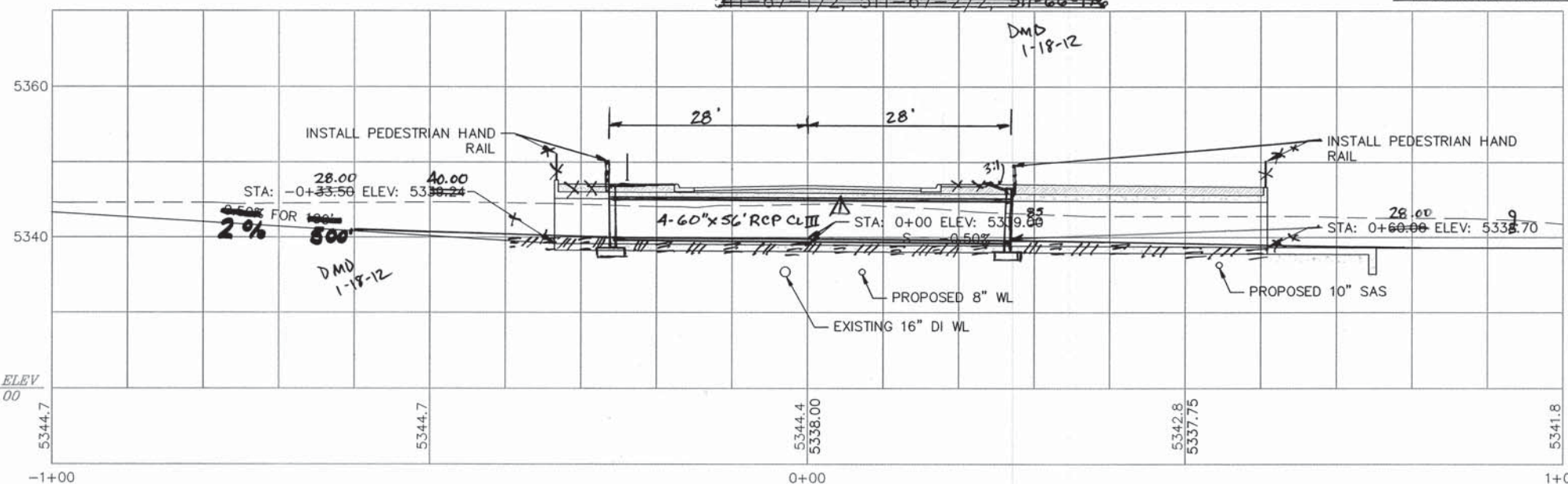


SECTION



HEADWALL SECTION LOOKING U.S.

STA 17+37.92-0.00' RT. SCENIC RD.
BUILD ~~SCUBBLE OPENING~~ X 6' H X 95' C.B.C. 4-60"x56" RCP's
NORMAL IN PLACE
BUILD ~~HEADWALLS~~ LT. & RT.
BUILD EROSION CONTROL PAD RT. L-18.75'
PER NMDOT STD. DWGS 511-62-1/2, 511-62-2/2,
511-67-1/2, 511-67-2/2, 511-68-5/8,
511-67-1/2, 511-67-2/2, 511-68-1/2



11"x17" SCALE: 22"x34" SCALE:
HORIZ: 1"=20' HORIZ: 1"=10'
VERT: 1"=20' VERT: 1"=10'

WILSON & COMPANY
4900 LANG AVE NE
ALBUQUERQUE, NEW MEXICO 87109
PH (505) 348-4000
FAX (505) 348-4072
www.wilsonco.com

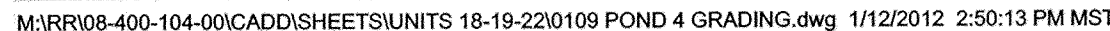
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION
SPECIAL ASSESSMENT DISTRICT 228 - VOL. 2
BOX CULVERT DETAILS

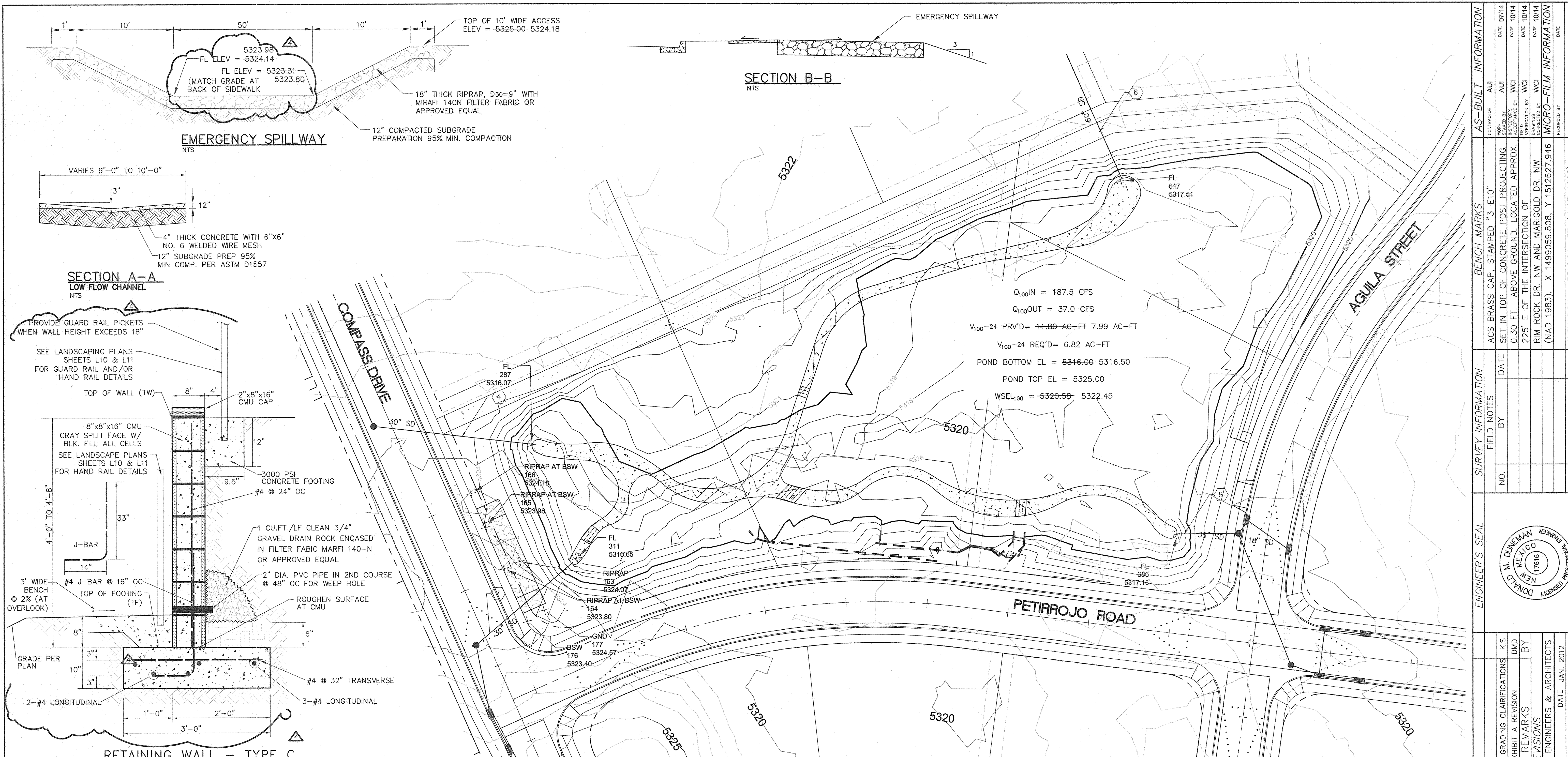
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	Mo./Day/Yr.	Mo./Day/Yr.
JAN 23 2012	JAN 23 2012		
DESIGN REVIEW COMMITTEE	CITY ENGINEER		

AS-BUILT INFORMATION	BENCH MARKS	SURVEY INFORMATION	ENGINEER'S SEAL
CONTRACTOR: AUT DATE: 07/14 STAMPED BY: AUT DATE: 07/14 FIELD BY: WCT DATE: 07/14 REVISION BY: WCT DATE: 07/14 MICRO-FILM INFORMATION RECORDED BY: WCT DATE: 07/14	ACS BRASS CAP, STAMPED "3-E10" SET IN TOP OF CONCRETE POST PROJECTING 0.30 FT. ABOVE GROUND, LOCATED APPROX. 225' E. OF THE INTERSECTION OF RIM ROCK DR. NW AND MARIGOLD DR. NW (NAD 1983), X 1499059.808, Y 1512627.946 ELEVATION = 5318.89 FT. (NAVD 1988)	DATE: BY: NO.:	



NO.	DATE	REVISIONS	BY
1	07/14	DESIGNED BY	WILSON & COMPANY, ENGINEERS & ARCHITECTS
2	07/14	DRAWN BY	TGO/ELO
3	07/14	CHECKED BY	SJM

[illegible]



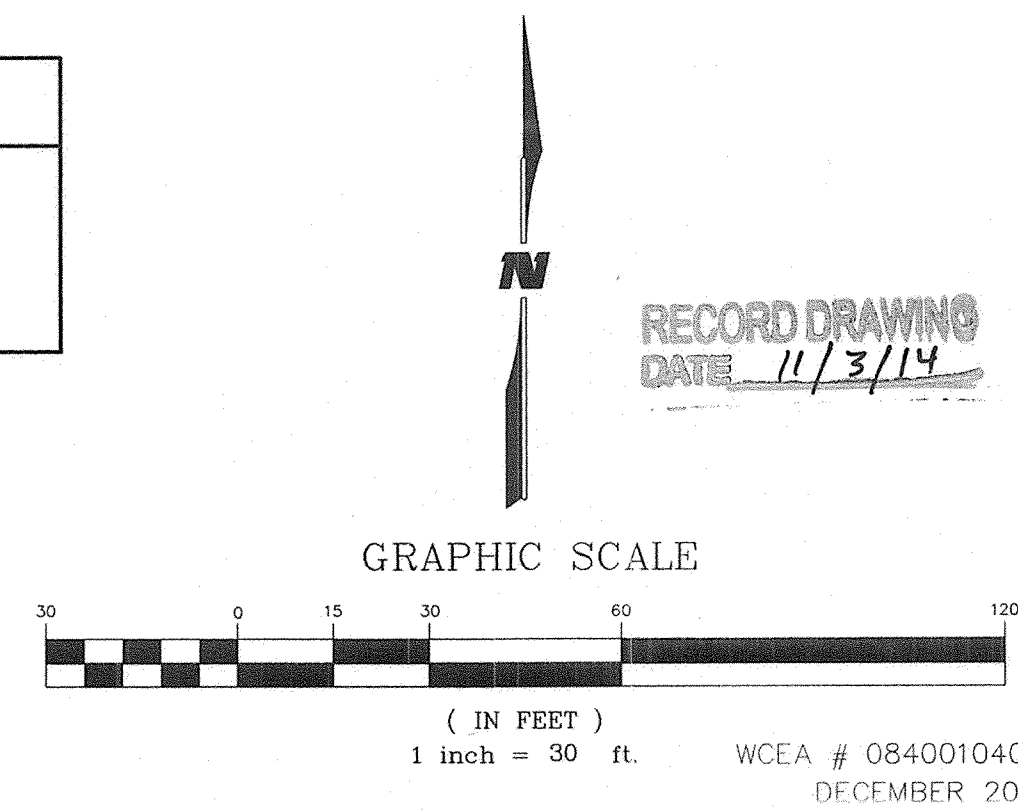
RETAINING WALL - TYPE C
2'-0" TO 4'-8"

NOTE:
FINISHED GRADE SHALL BE LEVEL WITH OR BELOW TOP OF RETAINING PORTION OF WALL, AND NO ADDITIONAL SURFACE LOADS SHALL BE PLACED WITHIN AN AREA FROM FACE OF WALL TO A DISTANCE EQUAL TO THE RETAINED EARTH HEIGHT.

- ### SHEET KEYNOTES
- INSTALL 10' WIDE GRAVEL MAINTENANCE ACCESS, $S_{max}=10\%$, 6" AGGREGATE BASE COURSE, 95% MIN COMPACTION. SEE SHEET 124 FOR DETAIL.
 - NOT USED.
 - FLATTEN CHANNEL BOTTOM FROM 3" TO 0".
 - INSTALL 30" POND OUTLET STRUCTURE, INV=5315.75: SEE SHEET 124 FOR DETAIL.
INV=5316.07
 - STA 19+17, 15' RT, INSTALL 15' WIDE DRIVEPAD PER COA STD DWG 2425.
 - INSTALL 48 LF 60" SD PIPE @ 0.35%, INV=5317.24, INV=5317.51
1- 60" POND INLET STRUCTURE. SEE SHEET 124 FOR DETAIL.
 - INSTALL 81.5 LF 24" PIPE @ 0.12%, INV=5316.20, 1-24" POND INLET STRUCTURE.
INV=5316.65
 - INSTALL 34 LF 36" PIPE @ 0.50%, INV=5317.00, 1-36" INLET STRUCTURE. SEE SHEET 124 FOR DETAIL.
 - INSTALL LOW FLOW CHANNEL. SEE DETAIL THIS SHEET.
 - NOT USED.
 - INSTALL 10'W X 50'L EMERGENCY SPILLWAY. SEE DETAIL THIS SHEET.
 - INSTALL 10' WIDE MAINTENANCE ACCESS. SEE SHEET 124 FOR DETAIL.
 - INSTALL 3-24" SIDEWALK CULVERT PER COA STD DWG 2236. SKEW ANGLE = 0° AND 13°
 - INSTALL RETAINING WALL PER DETAIL THIS SHEET. COST WILL BE INCIDENTAL PER LANDSCAPE LUMP SUM BID ITEM.
 - INSTALL 5-24" SIDEWALK CULVERT PER COA STD DWG 2236. SKEW ANGLE = 26°

- ### GENERAL SHEET NOTES
- NO ROCK EXCAVATION ALLOWED PER V.C.S.P.
 - SEE LANDSCAPE PLANS FOR PROPOSED SURFACE TREATMENTS
 - SEE LANDSCAPE PLANS FOR PROPOSED POND FEATURES.

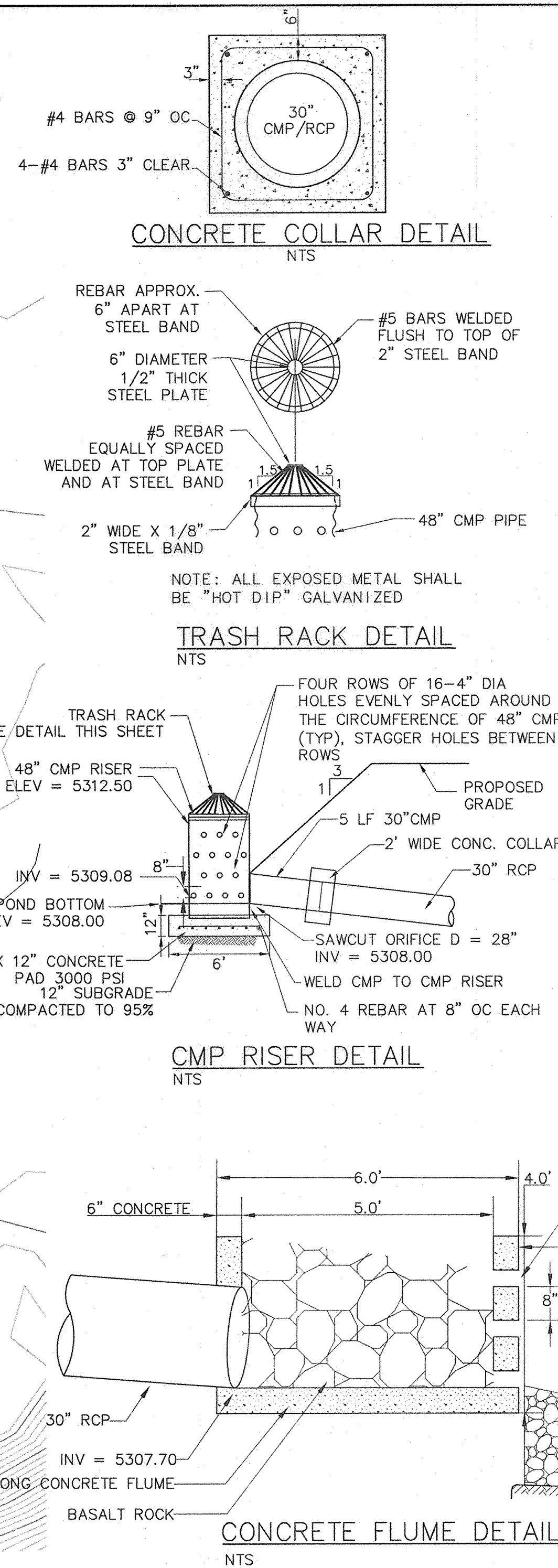
POND 5
CITY PARK MAINTAINED BY PARKS & REC EXCEPT FOR INLET/OUTLET STRUCTURES AND LOW FLOW CHANNEL (ITEMS 4, 6, 7, 8, AND 9) WHICH WILL BE MAINTAINED BY COA STORM DRAIN MAINTENANCE.



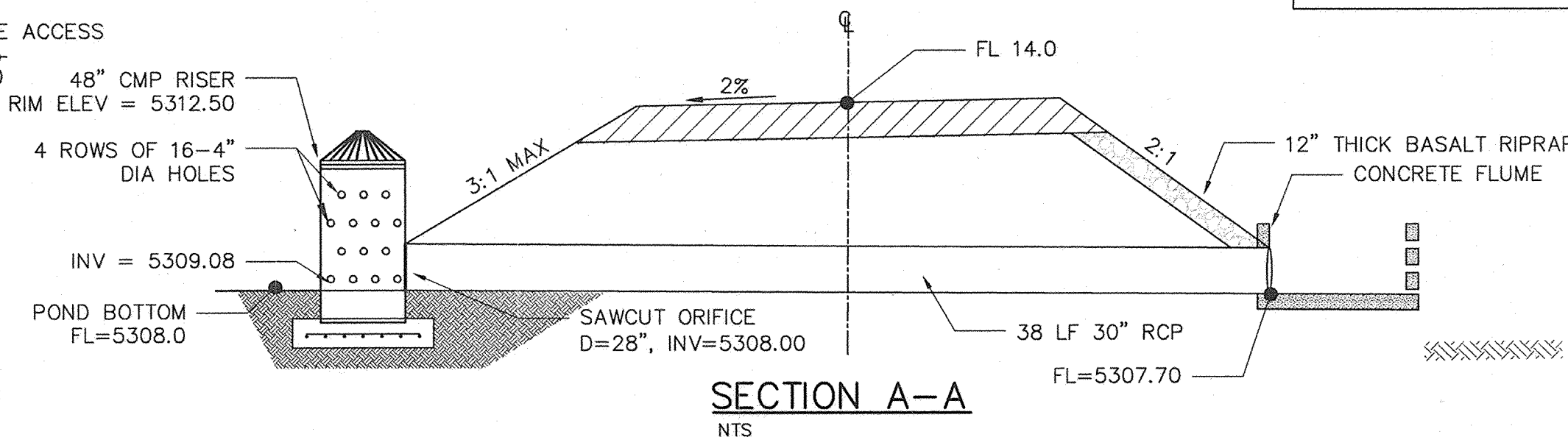
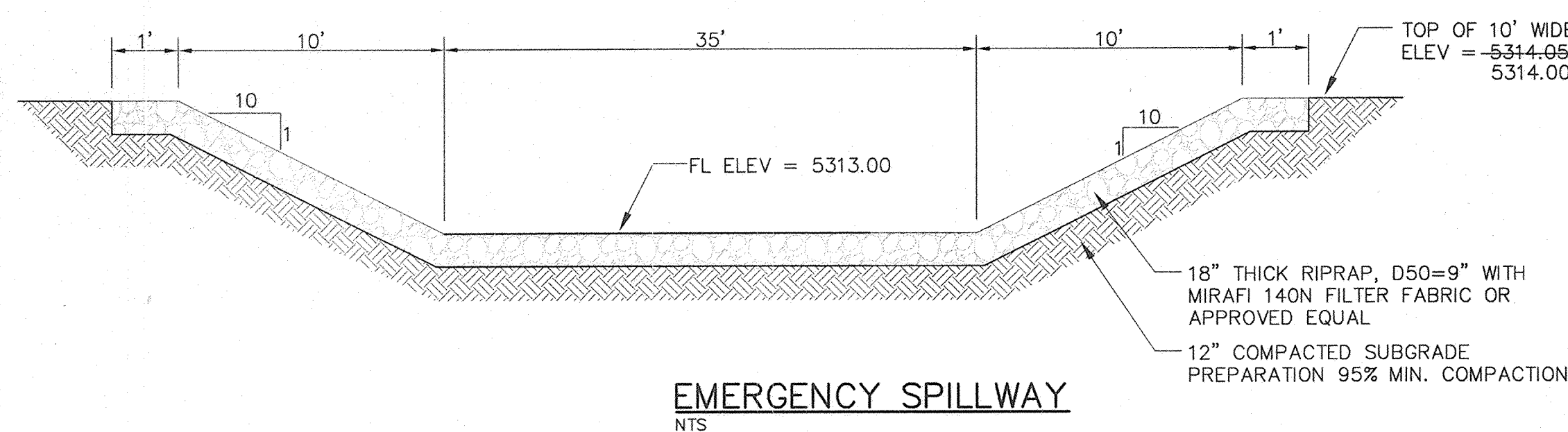
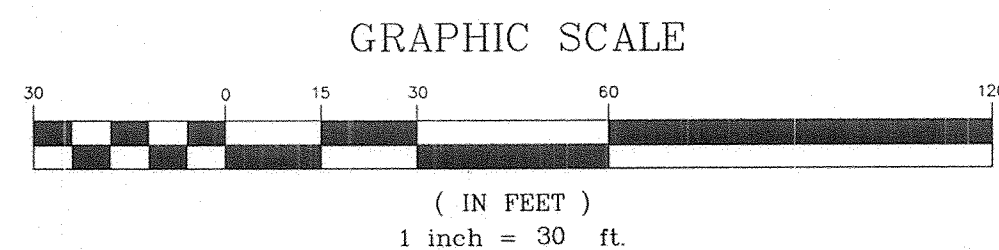
WILSON & COMPANY
4500 LANG AVE NE
ALBUQUERQUE, NEW MEXICO 87110
PH (505) 348-4000
FAX (505) 348-4072
www.wilson-co.com

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION
SPECIAL ASSESSMENT DISTRICT 228-VOL. 1
POND 5 GRADING & DRAINAGE PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	Of	
693391	D-10, D-11	110R	156	



$Q_{100IN} = 114.0 \text{ CFS}$
 $Q_{100OUT} = 41.0 \text{ CFS}$ 50.66 CFS
 $V_{100} \text{ (REQ'D)} = 2.098 \text{ AC-FT}$ 1.18 AC-FT
 $V_{100} \text{ (PRV'D)} = 2.099 \text{ AC-FT}$ 1.85 AC-FT
 POND BOTTOM EL = 5308.00
 POND TOP EL = 5314.00
 WSEL = ~~5313.00~~ 5313.05



POND 6
SHALL BE MAINTAINED BY COA OPEN
SPACE EXCEPT FOR INLET/OUTLET
STRUCTURES (ITEMS 1, 2, 6, 12,) WHICH
WILL BE MAINTAINED BY COA STORM
DRAIN MAINTENANCE.

GENERAL SHEET NOTES

1. NO ROCK EXCAVATION ALLOWED PER V.C.S.P.
2. SEE LANDSCAPING PLAN FOR PLANTING AND IRRIGATION DETAILS.

SHEET KEYNOTES

- | | | |
|--|--|--------------------|
| | | AS-BUILD |
| | | BENCH MARKS |
| | | SURVEY INFORMATION |
| | | AL |
1. INSTALL 42 LF 30" RCP SD, S = 0.70%, INV UP = 5308.00, INV DOWN = 5307.70
 2. INSTALL 8'W X 17'L X 12"D, D50=6" RIPRAP BLANKET W/ MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
 3. INSTALL 10' WIDE, GRAVEL MAINTENANCE ACCESS, 6" AGGREGATE BASE COURSE, 95% MIN COMPACTION.
 4. INSTALL EMERGENCY SPILLWAY. SEE DETAIL THIS SHEET.
 5. INSTALL 342 LF 48" SD PIPE @ 0.22%, INV = 5308.20.
 6. INSTALL 1-48" SD POND INLET STRUCTURE.
 7. STA 12+78, 15' RT & STA 16+15, 15' RT, INSTALL 15' WIDE DRIVE PAD PER COA STD DWG 2425.
 8. STA 15+40, 15' RT, INSTALL 2-24" WIDE SIDEWALK CULVERT PER COA STD DWG 2236.
 9. INSTALL OPEN SPACE FENCE.
 10. INSTALL 12" THICK BASALT RIPRAP, D50=6", W/ MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
 11. INSTALL 2'W X 50'L X 18" D, D50=6" RIPRAP BLANKET W/ MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
 12. INSTALL 48" RISER W/ 28" ORIFICE PLATE, 4 ROWS OF 15-4" DIA STAGGERED HOLES. SEE DETAIL THIS SHEET.
 13. NATIVE GRASS SEED AND MULCH OVER 1' TOP SOIL Pi>10
 14. INSTALL 5' WIDE, 6" DEEP CONCRETE RUNDOWN, SWALL = 3:1. SEE DETAIL SHEET 124.
 15. INSTALL 5'W X8'L X 18" D, D50=6" RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
 16. 10' WIDE PEDESTRIAN TRAIL.
 17. INSTALL 38' LONG, 5' WIDE CONCRETE FLUME. SEE DETAIL THIS SHEET.



WILSON
& COMPANY

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION
SPECIAL ASSESSMENT DISTRICT 228—VOL.
POND 6 GRADING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	Of	
693391	D-10, D-11	111R	15	



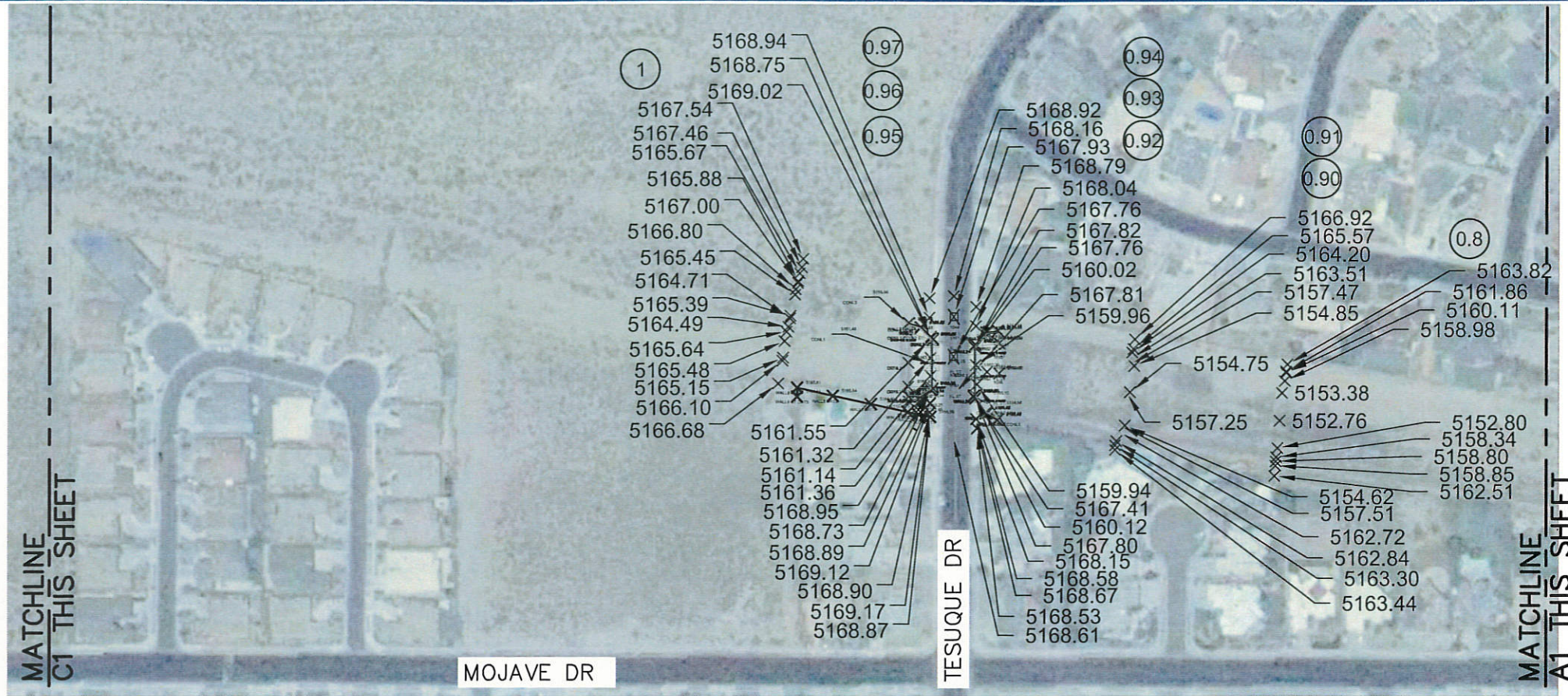
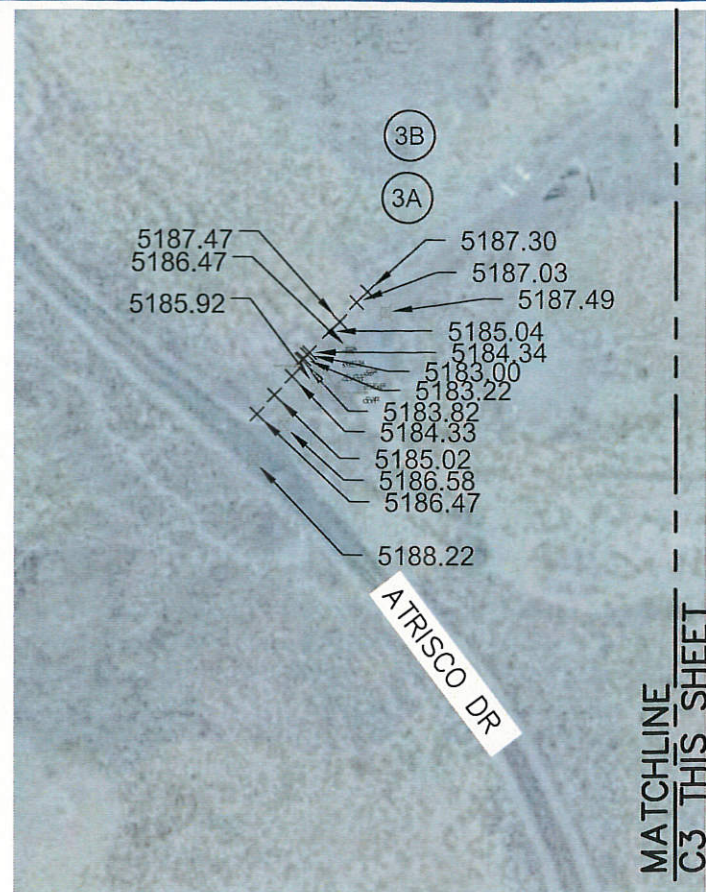
Top of retaining/flood wall

6423 Star Bright Road



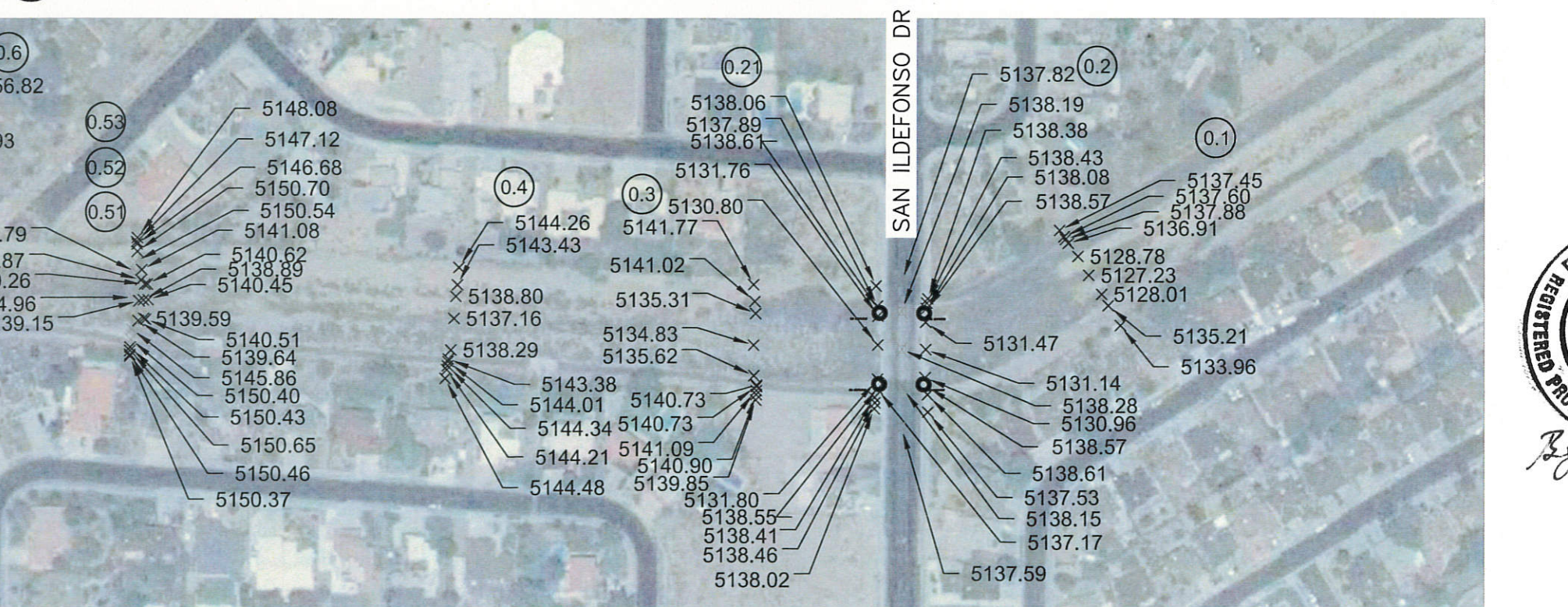
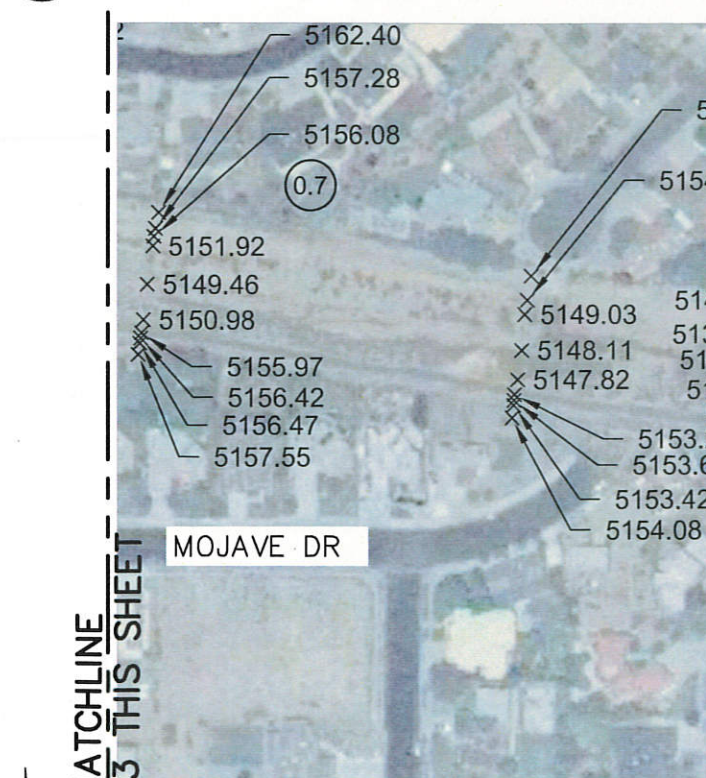
Top of retaining/flood wall

6515 Tesuque Drive



C1

C3



A1

A1

SCALE: 1" = 200'

CROSS SECTION SURVEY MAP



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