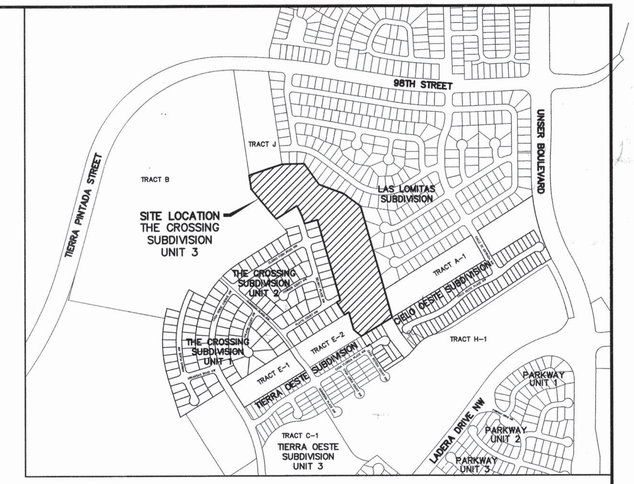
CITY OF ALBUQUERQUE, NEW MEXICO
PUBLIC WORKS DEPARTMENT

CONSTRUCTION PLANS
FOR

THE CROSSING SUBDIVISION UNIT 3

PUBLIC INFRASTRUCTURE IMPROVEMENTS

SCANNED BY MESA REPRO



VICINITY MAP
ZONE ATLAS MAP NO. H-9-Z

NOTES

ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT ASS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, AS AMENDED THROUGH UPDATE #7.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE EXECUTION OF THE WATER VALVE SHUT-OFF PLAN WITH THE WATER SYSTEMS DIVISION (857-8200) FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER UTILITIES.

TWO (2) WORKING DAY PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALLS 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.

THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.

ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO 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 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 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.

ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR (24) CONSTRUCTION.

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 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.

LEGEND

EXISTING	PROPOSED
PROPERTY LINE	CENTER LINE
ADJACENT PROPERTY LINE	RIGHT OF WAY LINE
RIGHT OF WAY LINE	EASEMENT
EASEMENT	INDEX CONTOUR
INDEX CONTOUR	INTERMEDIATE CONTOUR
INTERMEDIATE CONTOUR	SANITARY SEWER
SANITARY SEWER LINE	WATER LINE
WATER LINE	FACE OF CURB / EDGE OF PAVEMENT
STORM DRAIN	FIRE HYDRANT
CURB & GUTTER	WATER VALVE
FIRE HYDRANT	REDUCER
WATER VALVE	SINGLE WATER SERVICE
REDUCER	DOUBLE WATER SERVICE
SANITARY SEWER MANHOLE	SAS OR SD MANHOLE
SAS SERVICE W/ CAP	CLEAN OUT
UTILITY POLE	SAS SERVICE W/ CAP
LIGHT	STREET LIGHT
	WHEELCHAIR RAMP
	SIDEWALK

INDEX

DESCRIPTION	SHEET NO.
COVER SHEET	1
GENERAL NOTES	2
PLATS AND SURVEY CONTROL	3
GRADING AND DRAINAGE PLAN	4 thru 6
OVERALL PAVING, STORM DRAIN, AND LIGHTING PLAN	7
OVERALL UTILITY PLAN	8
ROARING FORK PLACE	
PAVING & STORM DRAIN PLAN & PROFILE SHEET	9
UTILITY PLAN & PROFILE SHEET	10
EAGLE RIVER ROAD, CLARKS FORK ROAD	
PAVING & STORM DRAIN PLAN & PROFILE SHEET	11
UTILITY PLAN & PROFILE SHEET	12
SELWAY PLACE, HENRY FORK ROAD	
PAVING & STORM DRAIN PLAN & PROFILE SHEET	13
UTILITY PLAN & PROFILE SHEET	14
MIREHAVEN ARROYO TYPICAL SECTIONS AND DETAILS	15
DROP STRUCTURE DETAILS	16 AND 17
MIREHAVEN ARROYO PLAN & PROFILE STATION 1+00 TO 12+00	18
MIREHAVEN ARROYO PLAN & PROFILE STATION 12+00 TO 23+00	19

NOT APART OF THIS W/O. BUILT UNDER AN AGREEMENT BTWN AMAFCA & OWNER, OBSERVED BY SMITH ENG. CO.

RECORD DRAWINGS

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
DATE: 4/8/05

I, EARL J. J. COALES of the firm of SMITH ENGINEERING CO. A Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications, while someone from Smith Engineering Company was onsite, approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction and survey information provided by LARRY MEDRANO (*Surveyor Name*) NMPS number 11993 (*PS #*).

Engineer's Seal & Signature
PATRICK J. CONLEY NEW MEXICO 10141 REGISTERED PROFESSIONAL ENGINEER

AS BUILT CERTIFICATION

I, LARRY W. MEDRANO, DO HEREBY ATTEST TO THE FACT THAT THE AS-BUILT INFORMATION SHOWN HEREON IS THE RESULT OF A FIELD SURVEY PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE: 9/23/04

LARRY W. MEDRANO
NEW MEXICO PROFESSIONAL
LAND SURVEYOR NO. 11993

PRECISION SURVEYS, INC.
8414-D JEFFERSON STREET, N.E.
ALBUQUERQUE, NM 87113
(505)856-5700

APPROVED FOR CONSTRUCTION WITHIN AMAFCA RIGHT OF WAY OR EASEMENT:

(AMAFCA) 3-16-04 (DATE)

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	6	5	4	5	3	.	8	3				0	5	

ENGINEERS STAMP & SIGNATURE: DANIEL S. AGUIRRE NEW MEXICO 1955 REGISTERED PROFESSIONAL ENGINEER 3/16/04

APPROVALS	ENGINEER	DATE
DRC Chairman		4-23-04
Transportation		3/25/04
Water/Wastewater		4/02/04
Hydrology		3/18/04
Parks		
Constr. Mngmt.		1/07
Constr. Coord.		4-23-04

****
APPROVED FOR CONSTRUCTION
City Engineer — Date 5-03-04

City Project No. 545383

Sheet 1 Of 19

WCEA #X3218008
MARCH 2004

T:\Projects\X3218008\M\sheets\8308C□V.dwg 03/14/2004

HRB

GENERAL NOTES:

1. 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 CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF SPECIFICATIONS.

2. THE 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 CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION 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.

3. ALL WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES EITHER TWENTY-FOUR (24) HOUR CONSTRUCTION.

4. THE CONTRACTOR WILL BE REQUIRED TO CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR R.O.W. TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAY OPENINGS OR DESIGNATED TRAFFIC LANES.

5. A DISPOSAL SITE, COMPLYING WITH ALL CITY ORDINANCES, SHALL BE OBTAINED BY THE CONTRACTOR FOR THE DISPOSAL OF ALL EXCESS EXCAVATION MATERIAL, ASPHALTIC PAVEMENT (EXCEPT MILLED BITUMINOUS CONCRETE PAVEMENT) AND OTHER WASTE MATERIALS. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE OF THE LOCATION OF THE DISPOSAL SITE PRIOR TO THE REMOVAL AND ACTUAL DISPOSAL OF THE MATERIAL. ALL COSTS IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO DIRECT PAYMENT WILL BE MADE THEREFOR.

6. ALL RADII OF CURB RETURNS ARE SHOWN TO FACE OF CURB.

7. ALL VALLEY GUTTERS ARE 6' WIDE UNLESS OTHERWISE NOTED.

8. ALL FINISHED GRADES AND PROFILES SHOWN ARE FLOWLINE GRADES, UNLESS OTHERWISE NOTED. MATCH FLOWLINES OF GUTTERS WHEN CONNECTING NEW CURB AND GUTTER WITH EXISTING CURB AND GUTTER.

9. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

10. WHEN ABUTTING NEW PAVEMENT TO EXISTING PAVEMENT, SAW CUT EXISTING PAVEMENT IN A STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. PRIOR TO LAYING NEW PAVEMENT, THE EXPOSED EXISTING ASPHALT EDGE SHALL BE TACK-COATED.

11. WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE TO NEAREST JOINT.

12. CONTRACTOR TO CAREFULLY FIELD REVIEW SITE TO ASSESS EXTENT OF TRASH REMOVAL.

13. CONTRACTOR IS TO EXERCISE DUE CARE TO AVOID DISTURBING ANY EXISTING UTILITIES. IT SHALL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION THAT MIGHT RESULT FROM PROJECT CONSTRUCTION. IT SHALL BE HIS RESPONSIBILITY TO PROTECT AND PRESERVE UTILITY EQUIPMENT AFFECTED BY PROJECT CONSTRUCTION. SHOULD HE BREAK AN EXISTING UTILITY LINE DURING CONSTRUCTION ACTIVITIES HE SHALL BE RESPONSIBLE FOR UTILITY REPAIR COSTS.

14. ALL EXISTING UTILITIES SHOWN HEREIN WERE TAKEN FROM RECORD DRAWINGS, FIELD SURVEYS, C.O.A. SYSTEMS UTILITIES MAPS AND INFORMATION PROVIDED BY THE UTILITY OWNERS AND ARE APPROXIMATE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THEIR HORIZONTAL AND VERTICAL LOCATIONS AND PROVIDE PROTECTION FOR ALL UTILITIES WITHIN THE CONSTRUCTION AREA.

15. CONTRACTOR SHALL FIELD VERIFY LOCATION AND TYPE OF EXISTING UTILITIES TO BE ADJUSTED OR EXTENDED.

16. MANHOLE RIM ELEVATIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND WILL VARY WITH THE FINISHED PAVEMENT ELEVATIONS.

17. CONTRACTOR TO VERIFY ALL EXISTING FIRE HYDRANT FLANGES, PADS, VALVE BOXES, MANHOLE RIMS AND TOP OF PIPE ELEVATIONS IN THE FIELD. ELEVATIONS SHALL BE ADJUSTED TO COMPLY WITH THE REQUIREMENTS OF STANDARD CITY DETAILS.

18. ELEVATIONS FOR PROPOSED WATERLINE CONNECTIONS TO EXISTING WATERLINES SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD.

19. ALL WATER VALVE BOXES AND SEWER MANHOLES IN THE CONSTRUCTION AREA ARE TO BE ADJUSTED TO FINISH GRADE UNDER THIS CONTRACT, AND WILL BE PAID FOR AT CONTRACT UNIT PRICES.

20. THE CONTRACTOR SHALL NOTIFY THE LOCAL FIRE DEPARTMENT AT LEAST TWO (2) WORKING DAYS IN ADVANCE OF WHEN FIRE HYDRANTS WILL BE TAKEN OUT OF SERVICE AND RETURNED TO SERVICE.

21. ALL WATER SERVICES LISTED AS "DOUBLE" REFER TO DOUBLE METER BOX. A SEPARATE SERVICE LINE TO EACH METER IS REQUIRED. REFERENCE C.O.A. STD. DRAWINGS 2361, 2362.

22. ALL UTILITY POLES ARE TO BE RELOCATED BY OTHERS.

23. ALL EXISTING GAS VALVE BOXES, GAS MANHOLES, ELECTRICAL MANHOLES, AND TELEPHONE MANHOLES WILL BE ADJUSTED TO GRADE BY OTHERS.

24. FIFTY (50) TON ROLLER OPERATION SHALL NOT BE USED IN THIS PROJECT WHERE UNDERGROUND UTILITIES ARE PRESENT. THE REQUIRED COMPACTION AT THESE LOCATIONS SHALL BE EFFECTED BY OTHER MEANS.

25. ALL EXCAVATIONS FOR STORM DRAINS, AND OTHER EXCAVATIONS AS NECESSARY, SHALL BE GOVERNED BY THE CURRENT CONSTRUCTION SAFETY AND HEALTH STANDARDS.

26. EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED OUT IN IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS EMPLOYEES SAFTY.

27. INLET GRATES:
ALL CATTLE GUARD INLETS SHALL USE "ALBUQUERQUE GRATE" PER STD DWG 2220.
ALL INLETS IN SUMP CONDITION SHALL USE "ALBUQUERQUE GRATE" PER STD DWG 2220.
ALL INLETS ON SLOPE (NOT IN SUMP) SHALL USE "ALTERNATE GRATE" PER STD DWG 2221.

28. ALL WHEELCHAIR RAMP APPROACH SLOPES SHOWN AS 7' IN LENGTH ON STD DWG 2441, SHALL BE INCREASED IN LENGTH TO MAINTAIN 12:1 SLOPE WHEN GRADE IS RISING FROM RAMP. SEE TABLE BELOW.

RISING GRADE	RAMP LENGTH
0%	8.1'
0-1%	9.2'
1-2%	10.6'
2-3%	12.6'
3-4%	15.5'

UTILITY CONTACTS

COMPANY	PHONE	MOBILE	CONTACT
City of Albuquerque	768-2719		Greg Olson
PNM - ELECTRIC	241-3402		Mark A. Bouchard
PNM - GAS	241-7745		Elisabeth Gabel
QWEST	245-8706		David Muller
NM ONE CALL	260-1990		
COMCAST	761-6235		Rita Erickson

EROSION NOTES:

1. ENTIRE AREA MUST BE STABILIZED AS A PART OF THE PROJECT. ONLY LOTS WITH HOME CONSTRUCTION ACTUALLY UNDER WAY MAY BE EXCEPTED.

2. TEMPORARY EROSION FENCING (OR PERMANENT WALLS OR FENCING) SHALL BE USED TO PROTECT EXISTING RESIDENTIAL PROPERTY, STREETS LANDSCAPING AND THE DRAINAGE SYSTEMS FOR THE DEPOSITION OF ERODED MATERIAL.

3. CONSTRUCTION AREA SHALL BE CONTROLLED TO PREVENT TRESPASS USE BY 4WD'S, RV'S AND MOTORCYCLES TO MINIMIZE NOISE, DUST, DESTRUCTION OF VEGETATION, WIND AND WATER EROSION.

AS BUILT CERTIFICATION

I, LARRY W. MEDRANO, DO HEREBY ATTEST TO THE FACT THAT THE AS-BUILT INFORMATION SHOWN HEREON IS THE RESULT OF A FIELD SURVEY PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE: 9/23/04

LARRY W. MEDRANO
NEW MEXICO PROFESSIONAL
LAND SURVEYOR NO. 11993

PRECISION SURVEYS, INC.
8414-D JEFFERSON STREET, N.E.
ALBUQUERQUE, NM 87113
(505)856-5700

AS-BUILT INFORMATION
CONTRACTOR: Melendez Concrete DATE 2004
WORK STAKED BY: Precision Surveys DATE 2004
INSPECTOR'S ACCEPTANCE: DATE 2004
FIELD VERIFICATION BY: Precision Surveys DATE 2004
DRAWINGS CORRECTED BY: Precision Surveys DATE 2004
MICRO-FILM INFORMATION
RECORDED BY: DATE
Kary Blair
PCOA inspector:

BENCH MARKS
A.C.S. Aluminum Tablet Stamped "BH-40" Data:
New Mexico State Plane Grid Coordinates (Central Zone)
NAD 1927 X=352,790.66 Y=1,492,346.53
Ground to grid factor = 0.9996105
Delta Alpha = (-)00°16'59"
A.C.S. Aluminum Tablet Stamped "BH-41" Data:
New Mexico State Plane Grid Coordinates (Central Zone)
NAD 1927 X=351,455.56 Y=1,496,546.13
Ground to grid factor = 0.9996704
Delta Alpha = (-)00°17'08"

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
DANIEL S. QUIJADA NEW MEXICO 1955 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY JMT DATE APRIL 2003
DRAWN BY DLC DATE APRIL 2003
CHECKED BY BWS DATE APRIL 2003

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

THE CROSSING SUBDIVISION UNIT 3
GENERAL NOTES

Design Review Committee: APR 2 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 545383 | Zone Map No. H-9-Z | Sheet 2 Of 19

WCEA #X3218008
MARCH 2004

SCANNED BY MESA REPRO

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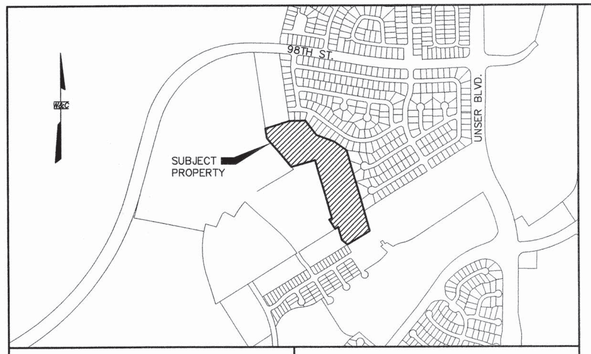
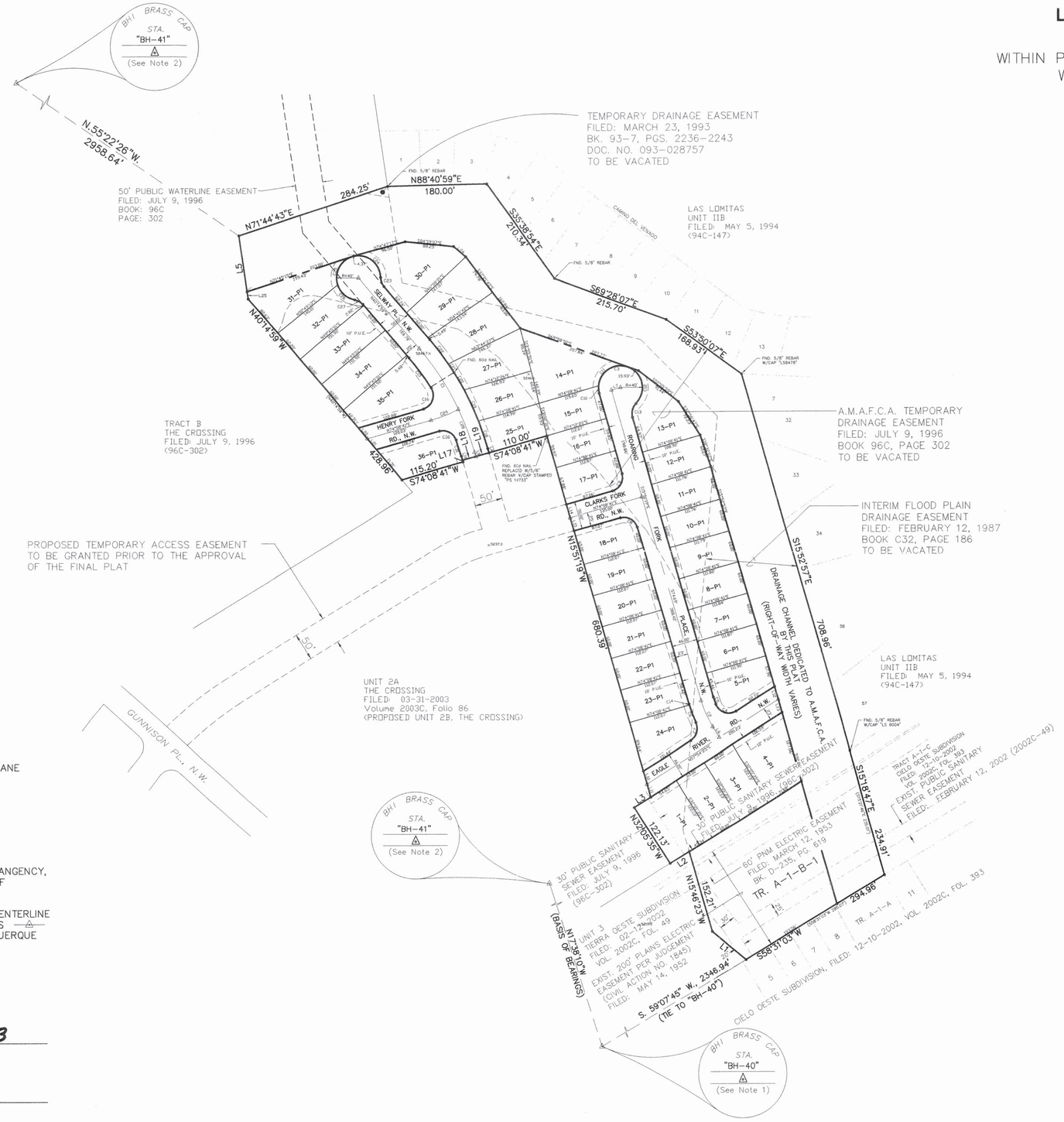


VICINITY MAP SCALE: 1" = 750'	ZONE ATLAS H-9-Z

PRELIMINARY PLAT
FOR
Lots 1-P1 thru 36-P1 and Tract A-1-B-1
THE CROSSING - UNIT 3
WITHIN PROJECTED SECTION 9, T.10N., R2E., N.M.P.M.
WITHIN THE TOWN OF ATRISCO GRANT
BERNALILLO COUNTY, NEW MEXICO
MAY 2003



GRAPHIC SCALE

(IN FEET)
1 inch = 100 ft.

LINE TABLE		
LINE	BEARING	LENGTH
L1	N50°00'47"W (N50°00'47"W)	79.72' (79.72')
L2	S57°54'25"W (S57°54'25"W)	40.66' (40.66')
L3	N57°54'25"E (N57°54'25"E)	35.35' (35.35')
L4	N15°51'19"W (N15°51'19"W)	8.00' (8.00')
L5	N08°19'45"W (N08°19'45"W)	114.79' (114.79')

LOT	AREA (Acres)	AREA (Square Feet)
1-P1	0.2523	10,992
2-P1	0.1682	7,328
3-P1	0.1682	7,328
4-P1	0.2491	10,849
5-P1	0.1840	8,016
6-P1	0.1541	6,713
7-P1	0.1541	6,711
8-P1	0.1540	6,710
9-P1	0.1540	6,708
10-P1	0.1540	6,706
11-P1	0.1539	6,705
12-P1	0.1520	6,620
13-P1	0.2193	9,553
14-P1	0.2848	12,406
15-P1	0.1528	6,656
16-P1	0.1541	6,714
17-P1	0.1715	7,473
18-P1	0.1641	7,150
19-P1	0.1544	6,724
20-P1	0.1544	6,724
21-P1	0.1544	6,724
22-P1	0.1544	6,724
23-P1	0.1544	6,724
24-P1	0.1896	8,260
25-P1	0.1539	6,704
26-P1	0.1660	7,229
27-P1	0.2097	9,134
28-P1	0.2356	10,262
29-P1	0.2332	10,159
30-P1	0.2904	12,650
31-P1	0.2383	10,382
32-P1	0.1994	8,684
33-P1	0.2092	9,112
34-P1	0.2093	9,115
35-P1	0.2533	11,033
36-P1	0.1899	8,273
A1B1	1.1900	51,835

LEGAL DESCRIPTION:

TRACT A-1-B OF CIELO OESTE SUBDIVISION AS SHOWN IN BOOK 2002C, PAGE 393, FILED 12-10-2002 AND A PORTION OF TRACT A-1 OF UNIT 2B, THE CROSSING AS SHOWN IN BOOK_____, PAGE_____, FILED_____

SUBDIVISION DATA:

D.R.B. CASE NO. _____

ZONE ATLAS INDEX NO. H - 9 - Z

TOTAL NO. OF LOTS EXISTING: TWO

TOTAL NO. OF LOTS CREATED: 37

GROSS SUBDIVISION ACREAGE: 14.4252 ACRES

TOTAL MILES OF STREETS CREATED: 0.3117 MILE

TALOS LOG NO. 2003172944

DATE OF SURVEY: MARCH 13, 2003

SCANNED BY MESA REPRO

GENERAL NOTES:

1. ALBUQUERQUE CONTROL STATION "BH-40" DATA:
   STANDARD BRASS TABLET SET 0.3 FT. BELOW THE GROUND
   NEW MEXICO STATE PLANE GRID COORDINATES (CENTRAL ZONE)
   X= 352,790.66
   Y= 1,492,346.53
   GROUND TO GRID FACTOR = 0.9996105
   DELTA ALPHA = (-)00°16'59"
   NAD 1927
2. ALBUQUERQUE CONTROL STATION "BH-41" DATA:
   STANDARD BRASS TABLET SET 0.4 FT. BELOW THE GROUND
   NEW MEXICO STATE PLANE GRID COORDINATES (CENTRAL ZONE)
   X= 351,455.56
   Y= 1,496,546.13
   GROUND TO GRID FACTOR = 0.99966704
   DELTA ALPHA = (-)00°17'08"
   NAD 1927
3. THE SUBDIVISION BOUNDARY WILL BE TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM AS SHOWN.
4. BASIS OF BEARINGS WILL BE NEW MEXICO STATE PLANE BEARINGS.
5. DISTANCES SHALL BE GROUND DISTANCES.
6. CORNERS IDENTIFIED AS "SET", ARE 5/8" REBAR WITH CAP STAMPED "PS 14733", AND SHOWN AS, —⊖—, UNLESS OTHERWISE INDICATED.
7. MANHOLES WILL BE OFFSET AT ALL POINTS OF CURVATURE, POINTS OF TANGENCY, STREET INTERSECTIONS, AND ALL OTHER ANGLE POINTS TO ALLOW USE OF CENTERLINE MONUMENTATION.
8. ALL STREET CENTERLINE MONUMENTATION SHALL BE INSTALLED AT ALL CENTERLINE PC'S, PT'S, ANGLE POINTS, AND STREET INTERSECTIONS AND SHOWN THUS —△— AND WILL BE MARKED BY (4") ALUMINUM CAP STAMPED "CITY OF ALBUQUERQUE CENTERLINE MONUMENTATION MARKED, DO NOT DISTURB PS 14733"

APPROVED FOR MONUMENTATION AND STREET NAMES:

CITY SURVEYOR, ALBUQUERQUE, NM	6-5-03 DATE
WESTLAND DEVELOPMENT CO., INC. Leroy J. Chavez V.P. of Dev.	6/5/03 DATE

WILSON
& COMPANY
4900 LANG AVENUE N.E.
ALBUQUERQUE, NEW MEXICO
87109
(505) 348-4000

SHEET 1 OF 1
WCEA PROJ. NO. X3-218-008

Layout Name: Model Space
Drawing Name: SX3218008_prel_plat.dwg
NETWORK ADDRESS: T:\PROJECTS\X3218008\S
Plot By: mav

GRADING AND DRAIN AGE NOTES

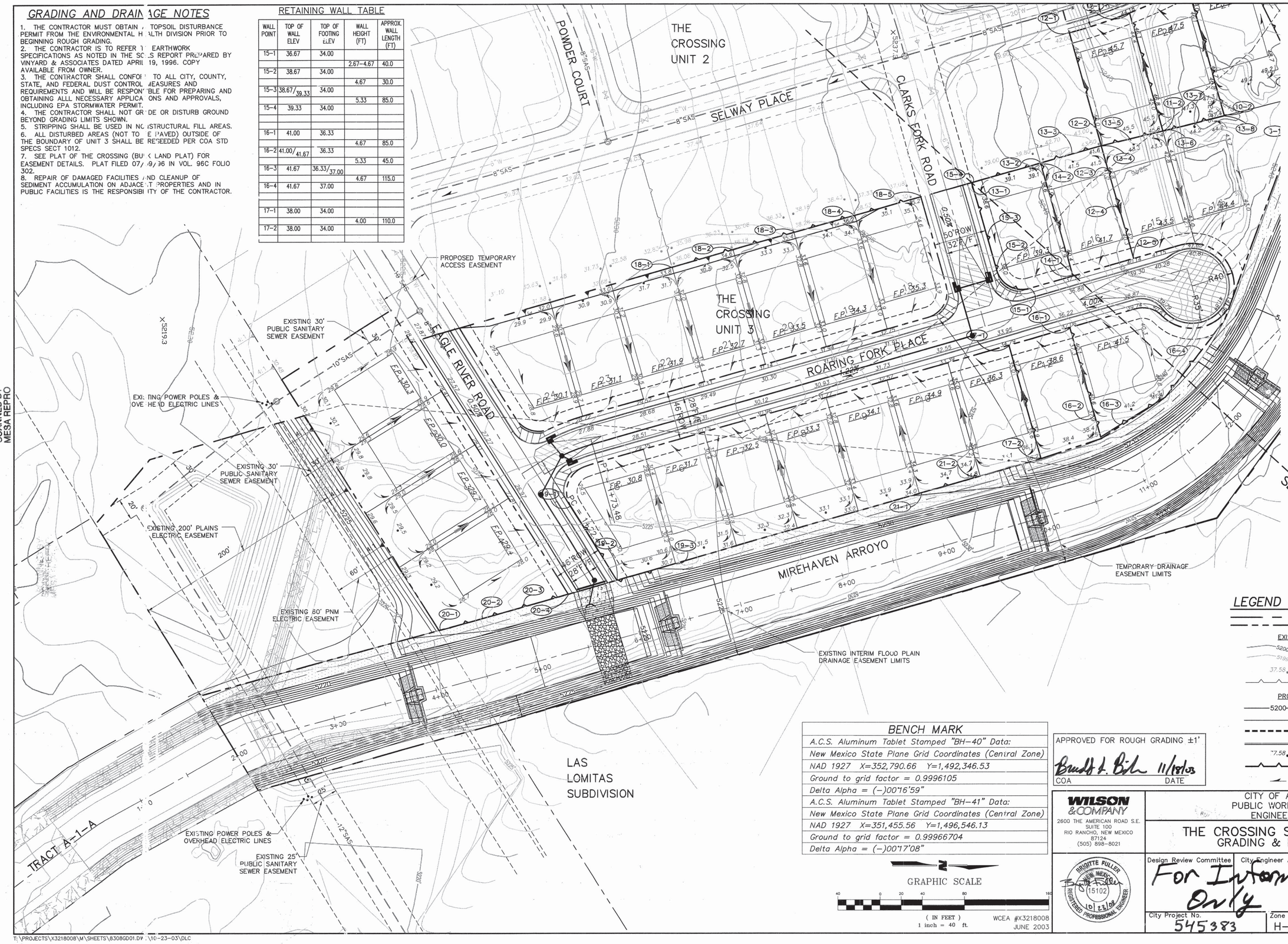
1. THE CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL H ALTH DIVISION PRIOR TO BEGINNING ROUGH GRADING.
2. THE CONTRACTOR IS TO REFER T EARTHWORK SPECIFICATIONS AS NOTED IN THE SC S REPORT PREPARED BY VINYARD & ASSOCIATES DATED APRIL 19, 1996. COPY AVAILABLE FROM OWNER.
3. THE CONTRACTOR SHALL CONFOR TO ALL CITY, COUNTY, STATE, AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPON BLE FOR PREPARING AND OBTAINING ALLL NECESSARY APPLICA ONS AND APPROVALS, INCLUDING EPA STORMWATER PERMIT.
4. THE CONTRACTOR SHALL NOT GR DE OR DISTURB GROUND BEYOND GRADING LIMITS SHOWN.
5. STRIPPING SHALL BE USED IN NO STRUCTURAL FILL AREAS.
6. ALL DISTURBED AREAS (NOT TO E PAVED) OUTSIDE OF THE BOUNDARY OF UNIT 3 SHALL BE RESEEDED PER COA STD SPECS SECT 1012.
7. SEE PLAT OF THE CROSSING (BU K LAND PLAT) FOR EASEMENT DETAILS. PLAT FILED 07/ 9/ 96 IN VOL. 96C FOLIO 302.
8. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATION ON ADJACE T PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBI ITY OF THE CONTRACTOR.

RETAINING WALL TABLE

WALL POINT	TOP OF WALL ELEV	TOP OF FOOTING ELEV	WALL HEIGHT (FT)	APPROX. WALL LENGTH (FT)
15–1	36.67	34.00		
			2.67–4.67	40.0
15–2	38.67	34.00		
			4.67	30.0
15–3	38.67/39.33	34.00		
			5.33	85.0
15–4	39.33	34.00		
16–1	41.00	36.33		
			4.67	85.0
16–2	41.00/41.67	36.33		
			5.33	45.0
16–3	41.67	36.33/37.00		
			4.67	115.0
16–4	41.67	37.00		
17–1	38.00	34.00		
			4.00	110.0
17–2	38.00	34.00		

RETAINING WALL TABLE

WALL POINT	TOP OF WALL ELEV	TOP OF FOOTING ELEV	WALL HEIGHT (FT)	APPROX. WALL LENGTH (FT)
18–1	36.67	32.67		
			4.00	60.0
18–2	36.67/37.33	32.67/33.33		
			4.00	60.0
18–3	37.33/38.67	33.33/34.67		
			4.00	60.0
18–4	38.67/37.33	34.67/34.00		
			3.33	65.0
18–5	37.33	34.00		
19–1	31.00	25.67		
			5.33	85.0
19–2	31.00/32.33	25.67/39.00		
			3.33	58.0
19–3	32.33	29.00		
20–1	29.00	25.00		
			4.00	40.0
20–2	29.00/28.33	25.00		
			3.33	40.0
20–3	28.33/27.67	25.00/25.67		
			2.00	45.0
20–4	27.67	25.67		
21–1	35.00	32.33		
			2.67	60.0
21–2	35.00	32.33		



LEGEND

	UNIT 3 PROPERTY LINE
	RIGHT OF WAY
EXISTING	
5200	INDEX CONTOUR
5199	INTERMEDIATE CONTOUR
37.58	SPOT ELEVATION
	RETAINING WALL
PROPOSED	
5200	INDEX CONTOUR
	INTERMEDIATE CONTOUR
	GRADING LIMITS
	CURB AND GUTTER
37.58	SPOT ELEVATION
	RETAINING WALL
	DIRECTION OF FLOW

BENCH MARK

A.C.S. Aluminum Tablet Stamped "BH–40" Data:
New Mexico State Plane Grid Coordinates (Central Zone)
NAD 1927 X=352,790.66 Y=1,492,346.53
Ground to grid factor = 0.9996105
Delta Alpha = (–)00°16'59"
A.C.S. Aluminum Tablet Stamped "BH–41" Data:
New Mexico State Plane Grid Coordinates (Central Zone)
NAD 1927 X=351,455.56 Y=1,496,546.13
Ground to grid factor = 0.99966704
Delta Alpha = (–)00°17'08"

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

WCEA #X3218008
JUNE 2003

APPROVED FOR ROUGH GRADING ±1'
COA — DATE 11/18/03

WILSON & COMPANY
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SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898–8021

BRIGITTE FULLER
NEW MEXICO
15102
REGISTERED PROFESSIONAL ENGINEER
10/23/03

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

THE CROSSING SUBDIVISION UNIT 3
GRADING & DRAINAGE PLAN

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

For Information Only

City Project No. 545383 | Zone Map No. H–9–Z | Sheet 1 Of 3

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SCANNED BY MESA REPRO

RETAINING WALL TABLE

WALL POINT	TOP OF WALL ELEV	TOP OF FOOTING ELEV	WALL HEIGHT (FT)	APPROX. WALL LENGTH (FT)
2–1	54.00	50.00		
			4.00	0.0
2–2	54.00	50.00		
3–1	53.00	48.33		
			4.67	0.0
3–2	53.00	48.33		
6–1	48.00	46.00		
			2.00–4.00	0.0
6–2	50.00	46.00		
			4.00	0.0
6–3	51.33	46.00		
			5.33	0.0
6–4	52.00	46.00		
			6.00	0.0
6–5	52.67/54.00	46.00		
			6.67–8.00	0.0
6–6	54.00/55.33	46.00		
			8.00–9.33	0.0
6–7	55.33	46.00		
			9.33–6.67	0.0
6–8	56.00	49.33		
			6.67	0.0
6–9	56.00	49.33		
			6.67–4.00	0.0
6–10	53.33	49.33		
7–1	54.33	50.33		
			4.00	5.0
7–2	54.33	50.33		
8–1	52.67	48.67		
			4.00	5.0
8–2	52.67	48.67		
9–1	50.67	46.67		
			4.00	0.0
9–2	50.67	46.67		
10–1	48.67	44.67		
			4.00	5.0
10–2	48.67	44.67		

RETAINING WALL TABLE

WALL POINT	TOP OF WALL ELEV	TOP OF FOOTING ELEV	WALL HEIGHT (FT)	APPROX. WALL LENGTH (FT)
11–1	47.33	43.33		
			4.00	115.0
11–2	47.33	43.33		
12–1	45.33	41.33		
			4.00	110.0
12–2	45.33	41.33/40.67		
			4.00–3.33	25.0
12–3	43.33	40.67/40.00		
			3.33	40.0
12–4	43.33/42.67	40.00/39.33		
			3.33	45.0
12–5	42.67	39.33		
13–1	41.33	38.00		
			3.33	68.0
13–2	41.33/44.00	38.00/40.00		
			4.00	30.0
13–3	44.00/44.67	40.00/40.67		
			4.00	30.0
13–4	44.67/46.00	40.67/41.33		
			4.67	30.0
13–5	46.00/46.67	41.33/42.00		
			4.67	30.0
13–6	46.67/48.00	42.00/42.67		
			5.33	30.0
13–7	48.00	42.67/43.33		
			4.67	30.0
13–8	48.00	43.33		
14–1	41.33	36.67		
			4.67	110.0
14–2	41.33	36.67		

BENCH MARK

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Ground to grid factor = 0.99966704
Delta Alpha = (–)00°17'08"

LEGEND

- UNIT 3 PROPERTY LINE
- RIGHT OF WAY

EXISTING

- INDEX CONTOUR (5200)
- INTERMEDIATE CONTOUR (5199)
- SPOT ELEVATION (37.58)
- RETAINING WALL

PROPOSED

- INDEX CONTOUR (5200)
- INTERMEDIATE CONTOUR
- GRADING LIMITS
- CURB AND GUTTER
- SPOT ELEVATION (37.58)
- RETAINING WALL
- DIRECTION OF FLOW

APPROVED FOR ROUGH GRADING ±1'

Brudt L. Bich 11/18/03

COA DATE

WILSON & COMPANY
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BRIGITTE FULLER NEW MEXICO 15102 REGISTERED PROFESSIONAL ENGINEER 10/23/03

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

THE CROSSING SUBDIVISION UNIT 3
GRADING & DRAINAGE PLAN

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

City Project No.	Zone Map No.	Sheet	Of
545383	H–9–Z	2	3

WCEA #X3218008
JUNE 2003

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SCANNED BY MESA REPRO

TEMPORARY DRAINAGE EASEMENT
TRACT B
THE CROSSING UNIT 2
CAPACITY=0.994 ac-ft
WATER ELEVATION=5249.00
BOTTOM ELEVATION=5247.00
TRACT 2B
HENRY FORK ROAD
46' ROW
28' F/F
50' ROW
SELWAY PLACE
THE CROSSING UNIT 3
MIREHAVEN ARROYO
50' PUBLIC WATERLINE EASEMENT
EXISTING TEMPORARY DRAINAGE EASEMENT
LAS LOMITAS SUBDIVISION
MATCH LINE SEE SHEET 2
R40'
R35'
24+00
23+00
22+00
21+00
20+00
18+00
17+00
2+00
1+00
PC 2+13.02
PC 1+48.36
5255
5260
5265
5270
5280
5290
5295
5300
5305
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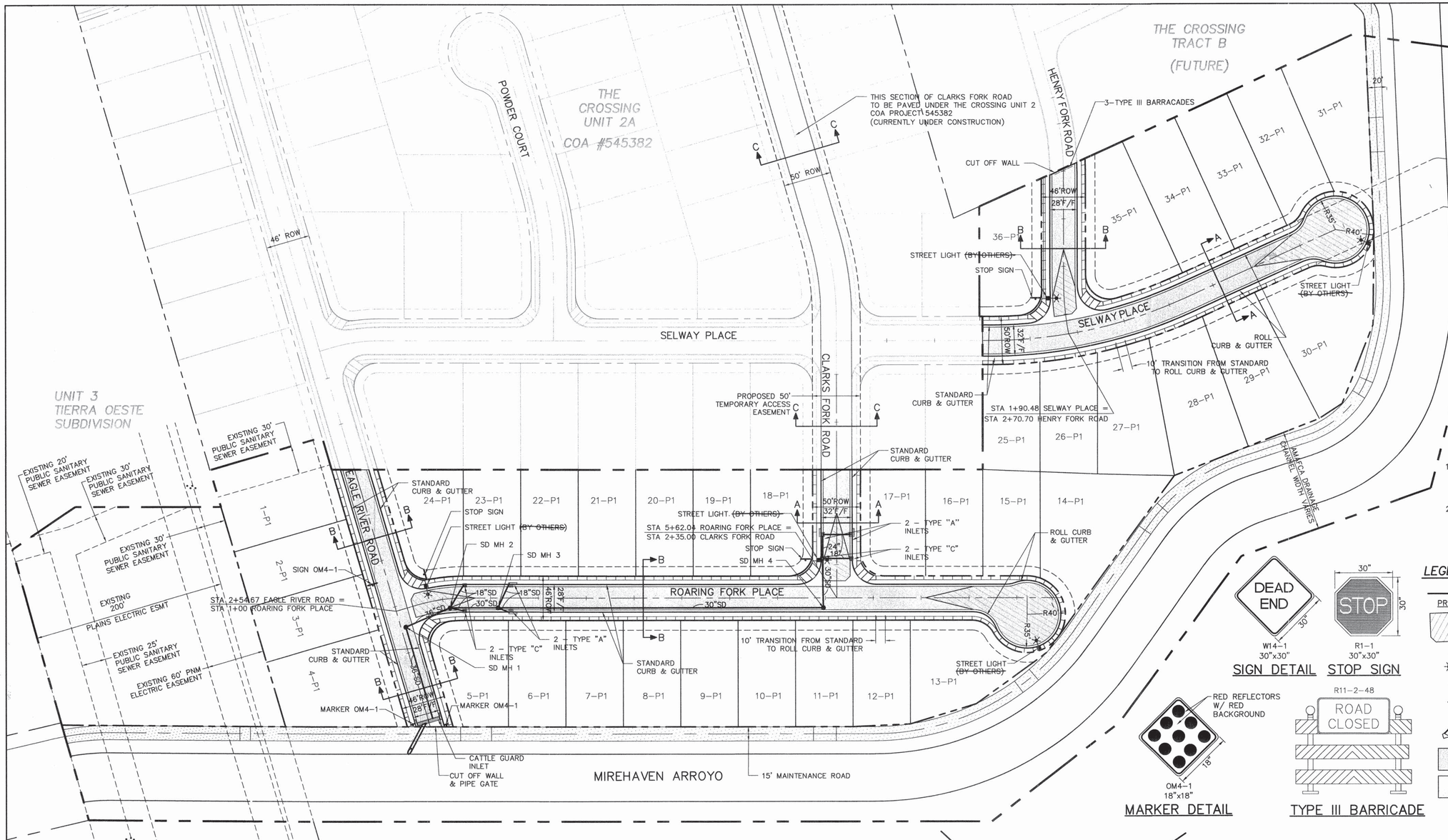


STREET LIGHTING NOTES:

1. THIS DRAWING SHOWS THE DESIRED STREET LIGHT LAYOUT ONLY. DESIGN OF THE ELECTRICAL WIRING AND APPURTENANCES REQUIRED TO COMPLETE THE SYSTEM WILL BE PROVIDED BY OTHERS.
2. STREET LIGHTS IN THE INTERIOR OF THE SUBDIVISION SHALL BE 100W HPS LIGHTS WITH 25' MOUNTING HEIGHT.

GENERAL NOTES:

1. ALL SUBGRADE SHALL BE COMPACTED TO 95% MIN. OF ASTM-D-1557 WITHIN 2% OF OPTIMUM MOISTURE.
2. ALL STOP SIGNS TO BE MOUNTED WITH A 4#/FT FLANGE POST WITH BASE POST (3.5' BURY) OR EQUAL.

LEGEND

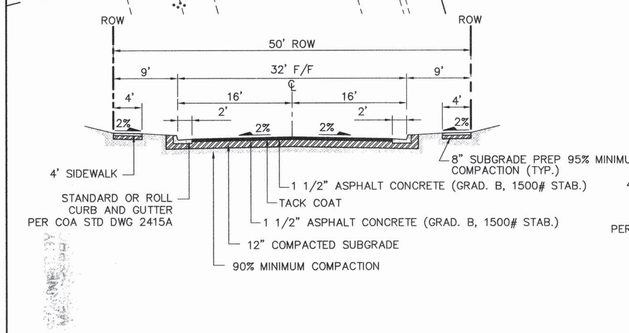
PROPOSED

- RIGHT OF WAY
- PAVEMENT CROWN TRANSITION
- DRAINAGE INLETS
- LIGHTS
- STORM DRAIN MANHOLE
- STOP SIGN
- WHEELCHAIR RAMPS
- PROPOSED PAVEMENT
- TEMPORARY PAVEMENT

SIGN DETAIL — STOP SIGN

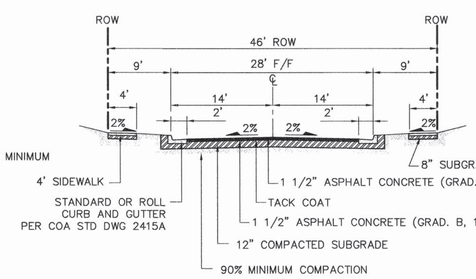
MARKER DETAIL

TYPE III BARRICADE



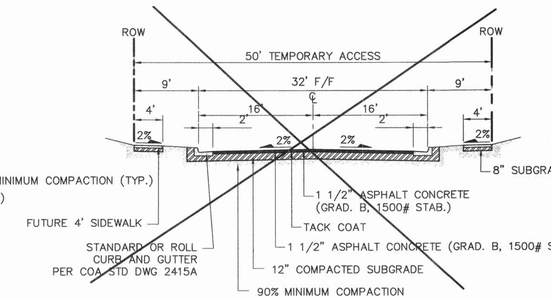
TYPICAL RESIDENTIAL STREET SECTION A-A

SCALE 1" = 10'



TYPICAL RESIDENTIAL STREET SECTION B-B

SCALE 1" = 10'



TYPICAL RESIDENTIAL STREET SECTION C-C

SCALE 1" = 10'

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

WCEA #X3218008
MARCH 2004

BENCH MARKS

A.C.S. Aluminum Tablet Stamped "BH-40" Data:
New Mexico State Plane Grid Coordinates (Central Zone)
NAD 1927 X=352,790.66 Y=1,492,546.53
Ground to grid factor = 0.9996105
Delta Alpha = (-)00°16'59" ELEV = 5305.43

A.C.S. Aluminum Tablet Stamped "BH-41" Data:
New Mexico State Plane Grid Coordinates (Central Zone)
NAD 1927 X=351,455.56 Y=1,496,546.13
Ground to grid factor = 0.99966704
Delta Alpha = (-)00°17'08" ELEV = 5398.63

AS-BUILT INFORMATION

CONTRACTOR: M. Lenders Concrete DATE
WORK STAKED BY: Precision Surveys 2004 DATE
SURVEY PARTY CHIEF: SSC DATE
FIELD VERIFICATION BY: Precision Surveys 2004 DATE
DRAWINGS CORRECTED BY: Precision Surveys 2004 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
M. Cox Inspector: Henry Blair

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY JMT DATE APRIL 2003
DRAWN BY DLC DATE APRIL 2003
CHECKED BY BMS DATE APRIL 2003

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

THE CROSSING SUBDIVISION UNIT 3
OVERALL PAVING, STORM DRAIN, & LIGHTING PLAN

Design Review Committee — DESIGN REVIEW COMMITTEE

City Engineer Approval — APPROVED — CITY ENGINEER

Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 545383 | Zone Map No. H-9-Z | Sheet 7 Of 19

SCANNED BY MEGA REPRO

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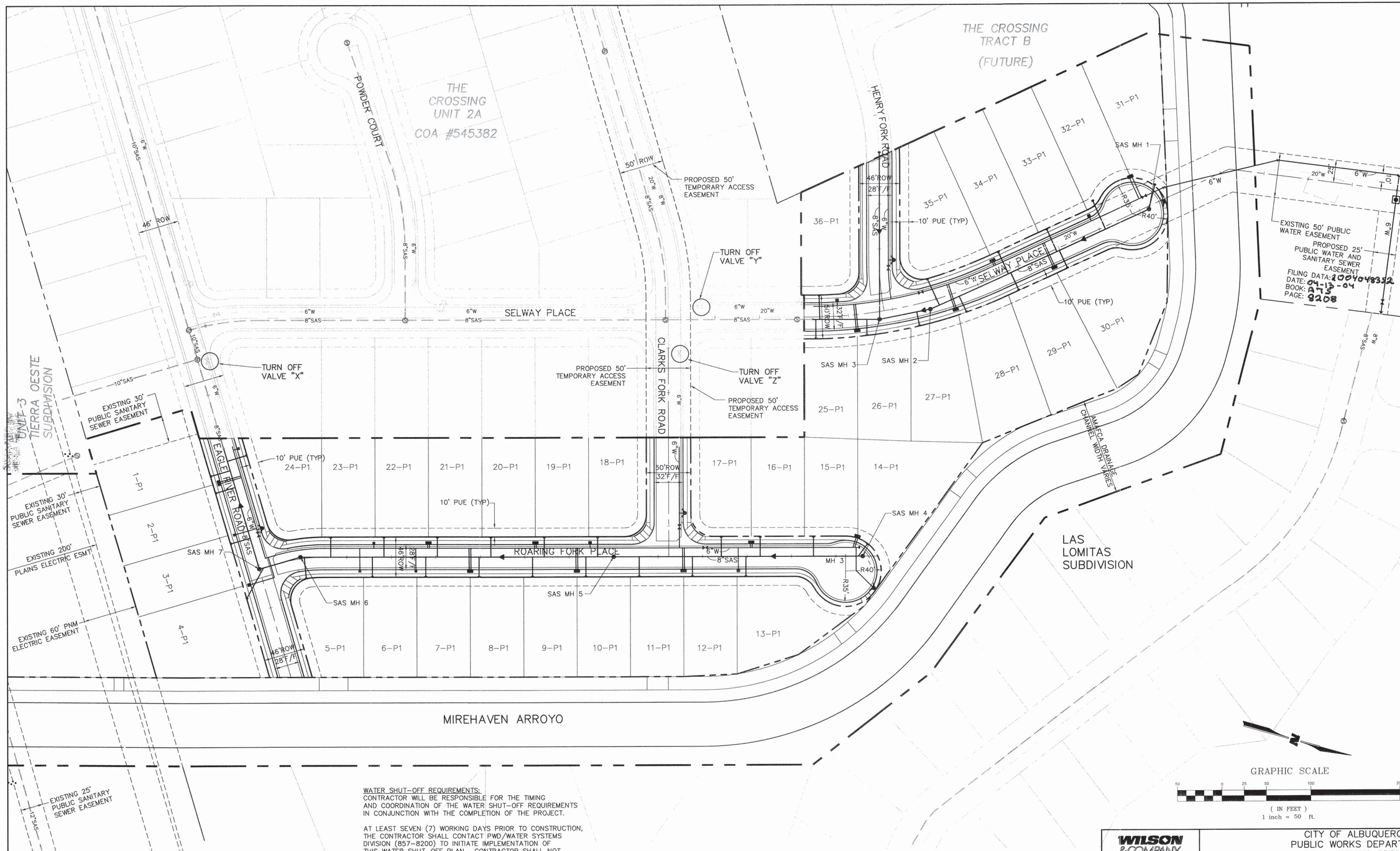

WATER SHUT-OFF REQUIREMENTS:
CONTRACTOR WILL BE RESPONSIBLE FOR THE TIMING AND COORDINATION OF THE WATER SHUT-OFF REQUIREMENTS IN CONJUNCTION WITH THE COMPLETION OF THE PROJECT.

AT LEAST SEVEN (7) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT PWD/WATER SYSTEMS DIVISION (857-8200) TO INITIATE IMPLEMENTATION OF THIS WATER SHUT-OFF PLAN. CONTRACTOR SHALL NOT OPERATE CITY VALVES.

WATER SHUT-OFF PLAN:

FOR CONNECTION	CLOSE VALVE(S)
ALL WATER LINE CONNECTIONS	"X", "Y" & "Z"

NOTE:
VALVES "X", "Y" & "Z", INSTALLED IN COA PROJECT #545382, ARE NOT YET SHOWN ON THE COA AUTOMATED WATER DISTRIBUTION SECTIONAL MAPS, AND AND THEREFORE ARE LABELED AS SUCH FOR THIS PLAN ONLY. THE CONTRACTOR SHALL COORDINATE THE SHUT-OFF PLAN WITH THE OWNER.

RESTRAINED JOINT TABLE – 6" PVC WL

PIPE SIZE	LENGTH OF RESTRAINED PIPE EACH WAY (L_R) (FEET) 90°	45°	22-1/2°	11-1/4°	TEE	VALVE/ CAP/FH	REDUCER
6"	27'	11'	5'	3'	3'	73'	20'

*TEE BRANCH – EACH RUN PIPE SHALL BE MINIMUM 10' W/O JOINTS.

WCEA #X3218008
MARCH 2004

AS-BUILT INFORMATION
CONTRACTOR: Melendez Concrete DATE
WORK STAKED BY: Precision Surveys 2004 DATE
INSPECTOR'S ACCEPTANCE BY: SGC DATE
FIELD VERIFICATION BY: Precision Surveys 2004 DATE
DRAWINGS CORRECTED BY: Precision Surveys 2004 DATE
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.

BENCH MARKS
A.C.S. Aluminum Tablet Stamped "BH-40" Data:
New Mexico State Plane Grid Coordinates (Central Zone)
NAD 1927 X=352,790.66 Y=1,492,346.53
Ground to grid factor = 0.9996105
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Delta Alpha = (-)00°17'08" ELEV = 5,398.63

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY JMT DATE APRIL 2003
DRAWN BY DLC DATE APRIL 2003
CHECKED BY BMS DATE APRIL 2003

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

THE CROSSING SUBDIVISION UNIT 3
OVERALL UTILITY & WATER SHUT OFF PLAN

Design Review Committee — DESIGN REVIEW COMMITTEE
City Engineer Approval — CITY ENGINEER
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No. 545383
Zone Map No. H-9-Z
Sheet 8 Of 19

SCANNED BY MESA REPRO

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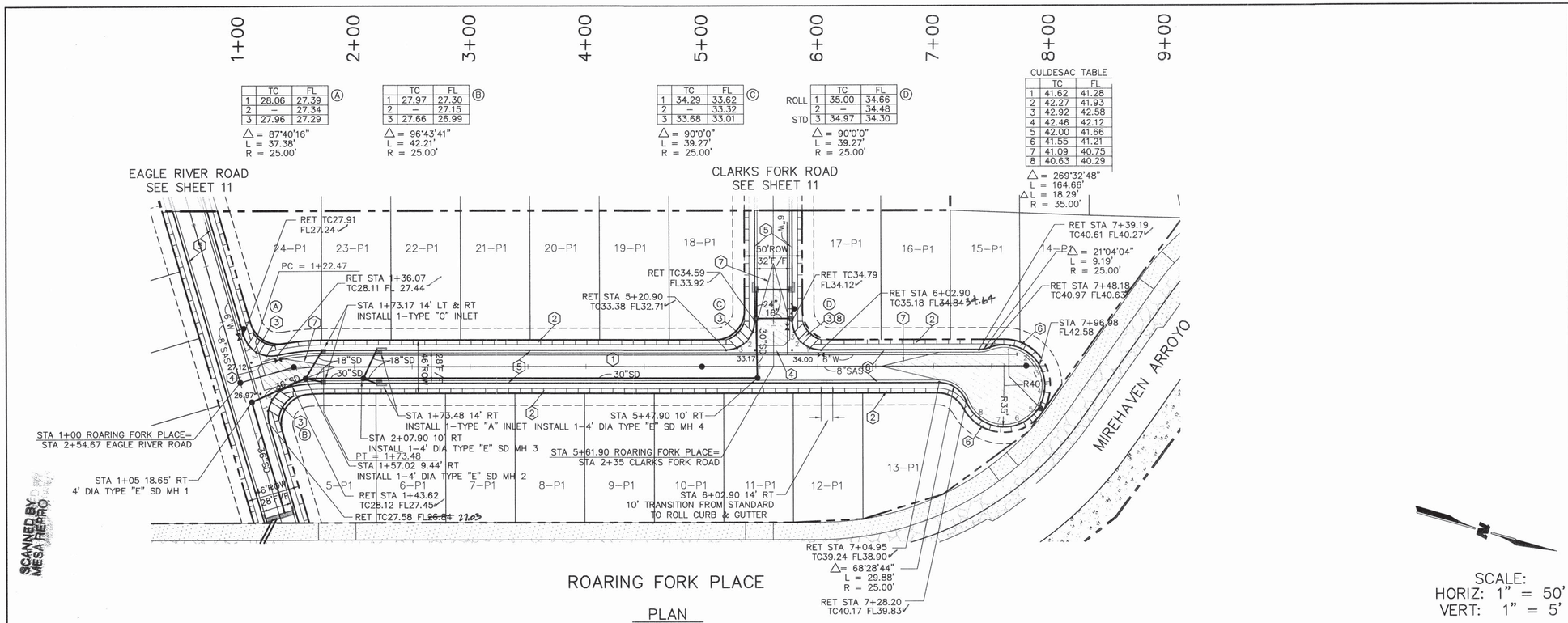


	TC	FL
1	28.06	27.39
2	–	27.34
3	27.96	27.29

(A)

	TC	FL
1	27.97	27.30
2	–	27.15
3	27.66	26.99

(B)

	TC	FL
1	34.29	33.62
2	–	33.32
3	33.68	33.01

(C)

	TC	FL
ROLL 1	35.00	34.66
2	–	34.48
STD 3	34.97	34.30

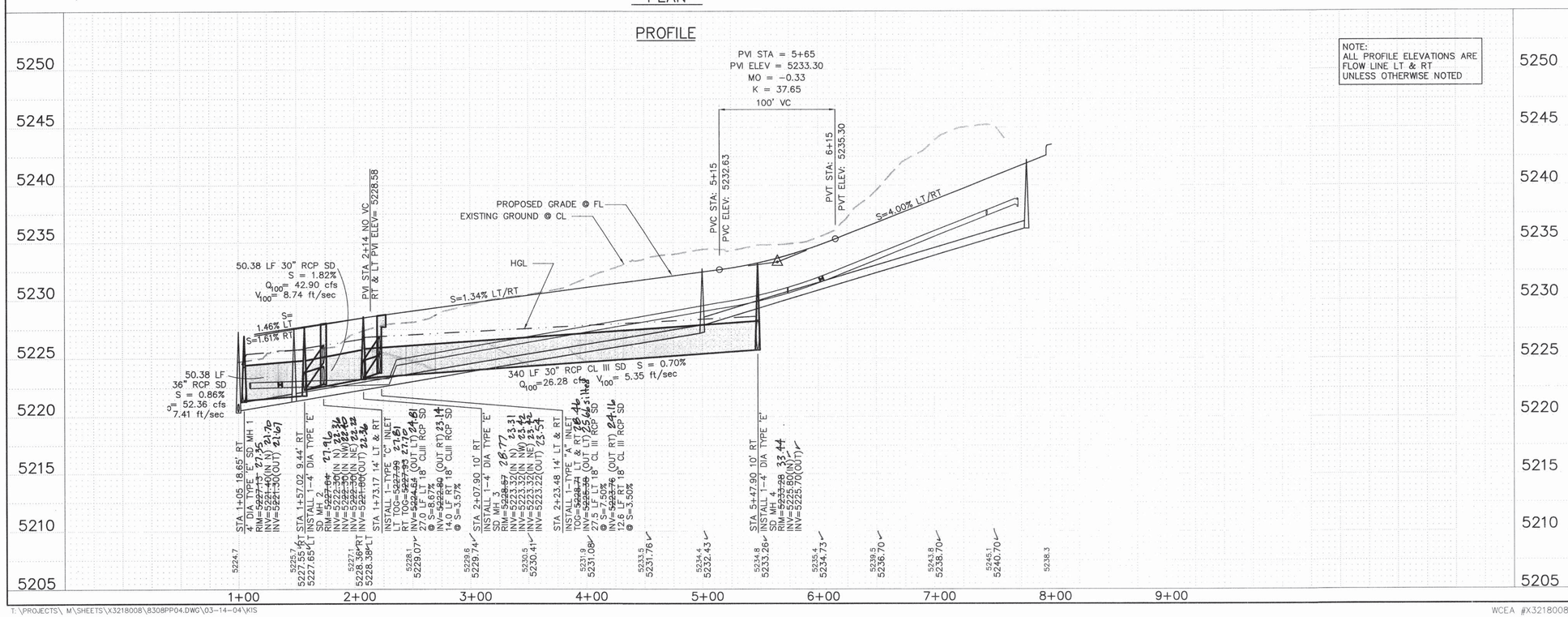
(D)

CULDESAC TABLE

	TC	FL
1	41.62	41.28
2	42.27	41.93
3	42.92	42.58
4	42.46	42.12
5	42.00	41.66
6	41.55	41.21
7	41.09	40.75
8	40.63	40.29

ROARING FORK PLACE

PLAN



PAVING CONSTRUCTION NOTES

I.D.#	DESCRIPTION
1	BUILD RESIDENTIAL PAVEMENT PER RESIDENTIAL STREET SECTION (SEE SHEET 7)
2	BUILD 4' PCC SIDEWALK PER COA STD DWG 2430 (DEFERRED)
3	BUILD PCC WHEELCHAIR RAMP PER COA STD DWG 2441 CASE II
4	BUILD PCC 6' CONCRETE VALLEY GUTTER PER COA STD DWG 2420
5	BUILD 8" PCC STD CURB AND GUTTER PER COA STD DWG 2415A
6	BUILD PCC ROLL CURB AND GUTTER PER COA STD DWG 2415A
7	PAVEMENT TRANSITION FROM FULL CROWN TO NO CROWN AT RETURN
8	TRANSITION FROM STD TO ROLL CURB & GUTTER THROUGH WCR PER STD DWG 2418

GENERAL NOTES

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

2. ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF CURB UNLESS OTHERWISE SPECIFIED.

5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND EMD AT THE END OF EACH SANITARY SEWER SERVICE.

6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.

7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.

8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.

9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES SO AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.

10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

11. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

AS-BUILT INFORMATION
CONTRACTOR: Melendez Concrete
WORK STAKED BY: PrecisionSurveys DATE: 2004
SURVEYED BY: DATE:
ACCEPTANCE BY: SBC DATE:
FIELD FIELD VERIFICATION BY: PrecisionSurveys DATE: 2004
DRAWINGS CORRECTED BY: PrecisionSurveys DATE: 2004
MICRO-FILM INFORMATION
RECORDED BY: DATE:
NO.

BENCH MARKS
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A.C.S. Aluminum Tablet Stamped "BH-41" Data:
New Mexico State Plane Grid Coordinates (Central Zone)
NAD 1927 X=351,455.56 Y=1,496,546.13
Ground to grid factor = 0.99966704
Delta Alpha = (−)00°17'08" ELEV = 5,398.63

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
DAVID E. SILVERNAGLE NEW MEXICO 10955 REGISTERED PROFESSIONAL ENGINEER
3/31/04

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY JMT DATE APRIL 2003
DRAWN BY DLC DATE APRIL 2003
CHECKED BY BMS DATE APRIL 2003

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

THE CROSSING SUBDIVISION UNIT 3
PAVING & STORM DRAIN PLAN & PROFILE
ROARING FORK PLACE

Design Review Committee: APPROVED DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

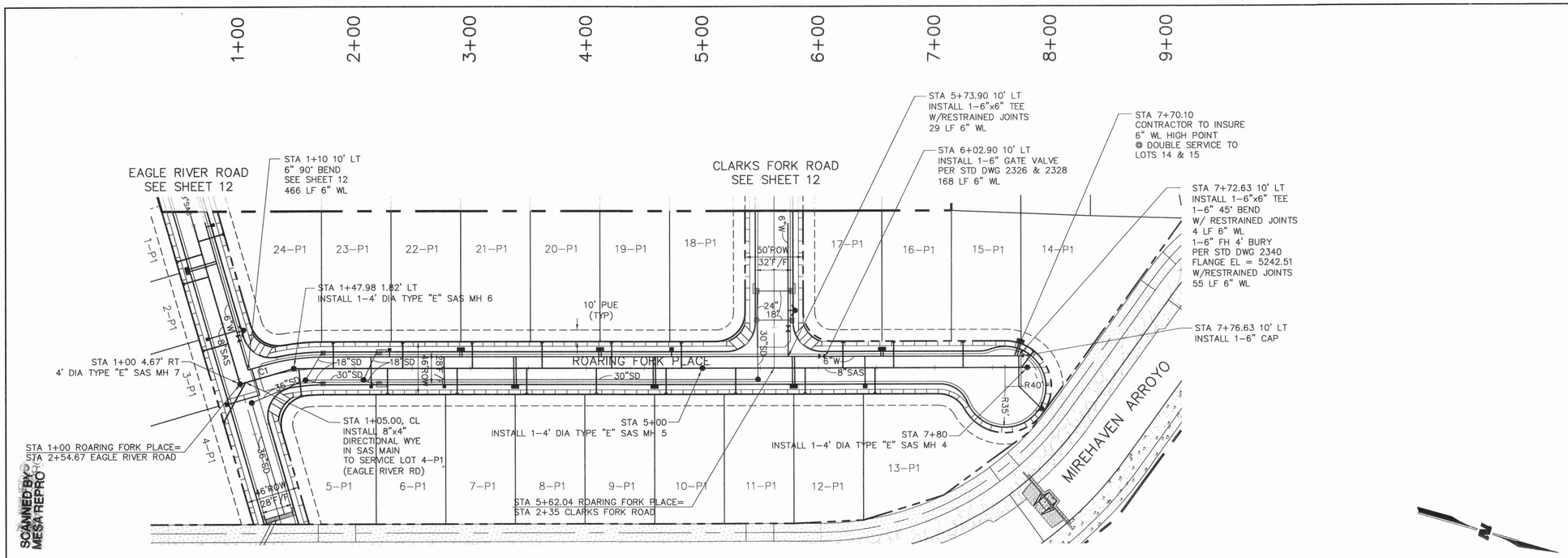
City Project No.	Zone Map No.	Sheet	Of
545383	H-9-Z	9	19

WCEA #X3218008
MARCH 2004

WILSON & COMPANY

T:\PROJECTS\ M\SHEETS\X3218008\8308PP04.DWG\03-14-04\KIS

SCANNED BY MESA REPRO



SCANNED BY MESA REPRO

WATER LINE CURVE TABLE

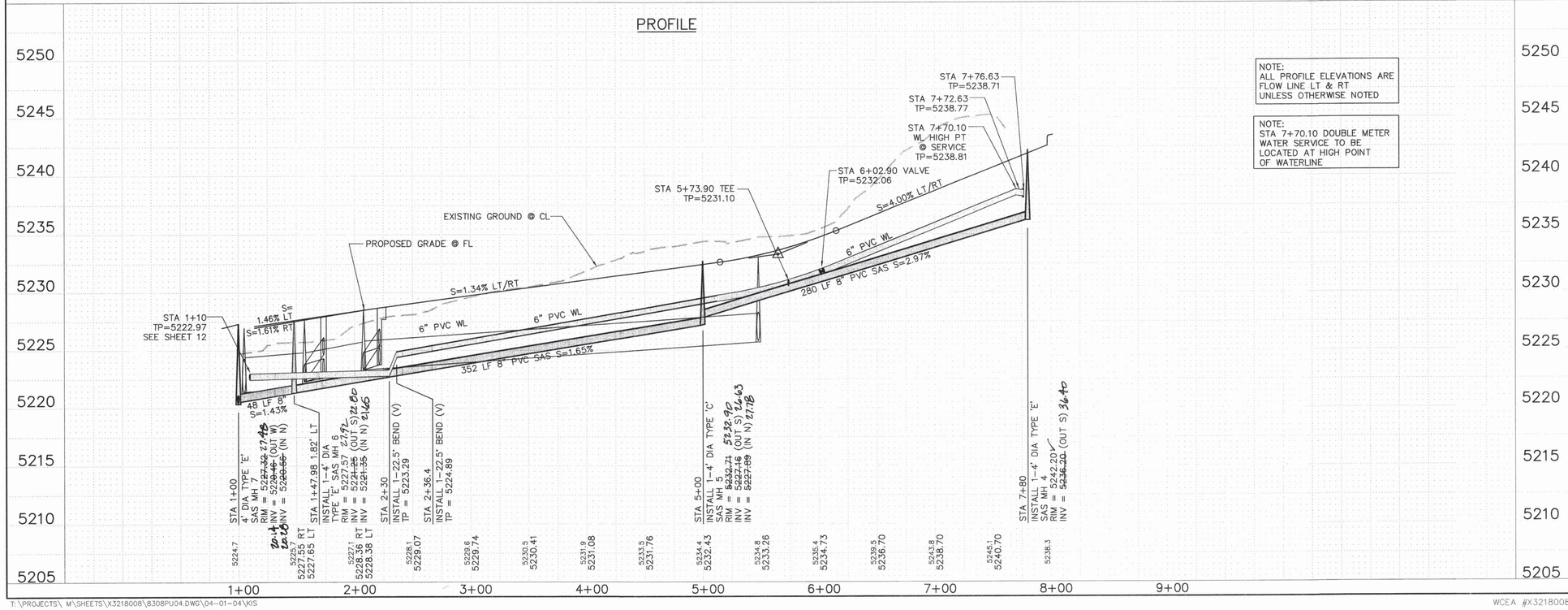
CURVE	R	L	T	Δ
C1	190.00'	53.85'	27.10'	16°14'16"

ROARING FORK PLACE

PLAN

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

PROFILE



NOTE:
ALL PROFILE ELEVATIONS ARE FLOW LINE LT & RT UNLESS OTHERWISE NOTED

NOTE:
STA 7+70.10 DOUBLE METER WATER SERVICE TO BE LOCATED AT HIGH POINT OF WATERLINE

T:\PROJECTS_M\SHEETS\X3218008\8308PU04.DWG\04-01-04\KIS

WCEA #X3218008
MARCH 2004

ROARING FORK PLACE

4" SEWER SERVICES PER STD DWG 2125

STATION	LOT	INV @ PL	LENGTH	REMARKS
1+05.00	4	24.00	40.00'	RIGHT
1+52.22	5	27.50	23.50'	RIGHT 5' RISER
1+81.90	23	23.50	23.00'	LEFT
2+28.67	6	25.80	23.00'	RIGHT 2' RISER
2+41.81	22	24.70	23.00'	LEFT
2+88.67	7	27.30	23.00'	RIGHT 2.5' RISER
3+01.81	21	26.70	23.00'	LEFT 2.5' RISER
3+48.67	8	27.80	23.00'	RIGHT 2' RISER
3+61.90	20	29.00	23.00'	LEFT 3' RISER
4+08.67	9	28.60	23.00'	RIGHT 1.8' RISER
4+21.90	19	30.00	23.00'	LEFT 3' RISER
4+68.67	10	28.50	23.00'	RIGHT
4+81.90	18	31.00	23.00'	LEFT 3' RISER
5+28.67	11	30.50	23.00'	RIGHT
5+88.50	12	32.30	23.00'	RIGHT
6+21.02	17	34.10	23.00'	LEFT 1.5' RISER
6+48.67	13	34.10	23.00'	RIGHT
6+64.78	16	35.60	23.00'	LEFT
7+24.63	15	38.00	23.00'	LEFT
7+75.0	14	39.50	17.84'	LEFT

ROARING FORK PLACE

3/4" WATER SERVICES PER STD DWG 2362

STATION	LOT	TYPE	LENGTH	REMARKS
	24	SEE SHEET 12		
2+14.43	5	SINGLE	24.63'	RIGHT
2+30.48	23	SINGLE	4.63'	LEFT
2+77.43	6	SINGLE	24.63'	RIGHT
2+91.90	22,21	DOUBLE	4.63'	LEFT
3+38.41	7,8	DOUBLE	24.63'	RIGHT
4+11.90	20,19	DOUBLE	4.63'	LEFT
4+58.43	9,10	DOUBLE	24.63'	RIGHT
4+73.40	18	SINGLE	4.63'	LEFT
5+78.42	11,12	DOUBLE	24.63'	RIGHT
6+39.97	13	SINGLE	24.63'	RIGHT
6+54.78	17,16	DOUBLE	4.63'	LEFT
7+70.10	15,14	DOUBLE	12.14'	LEFT
1+13.44	4	SINGLE	51.90'	RIGHT

AS-BUILT INFORMATION
CONTRACTOR: Melendez Concrete DATE
STAKED BY: Precision Surveys 2004 DATE
INSPECTOR'S ACCEPTANCE BY: SSC DATE
FIELD VERIFICATION BY: Precision Surveys 2004 DATE
DRAWINGS CORRECTED BY: Precision Surveys 2004 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
A.C.S. Aluminum Tablet Stamped "BH-40" Data:
New Mexico State Plane Grid Coordinates (Central Zone)
NAD 1927 X=352,790.66 Y=1,492,346.53
Ground to grid factor = 0.9996105
Delta Alpha = (-)0016'59" ELEV = 5,305.43
A.C.S. Aluminum Tablet Stamped "BH-41" Data:
New Mexico State Plane Grid Coordinates (Central Zone)
NAD 1927 X=351,455.56 Y=1,496,546.13
Ground to grid factor = 0.9996704
Delta Alpha = (-)0017'08" ELEV = 5,398.63

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
DANIEL S. AGUILERA NEW MEXICO 7565 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY JMT DATE APRIL 2003
DRAWN BY DLC DATE APRIL 2003
CHECKED BY BMS DATE APRIL 2003

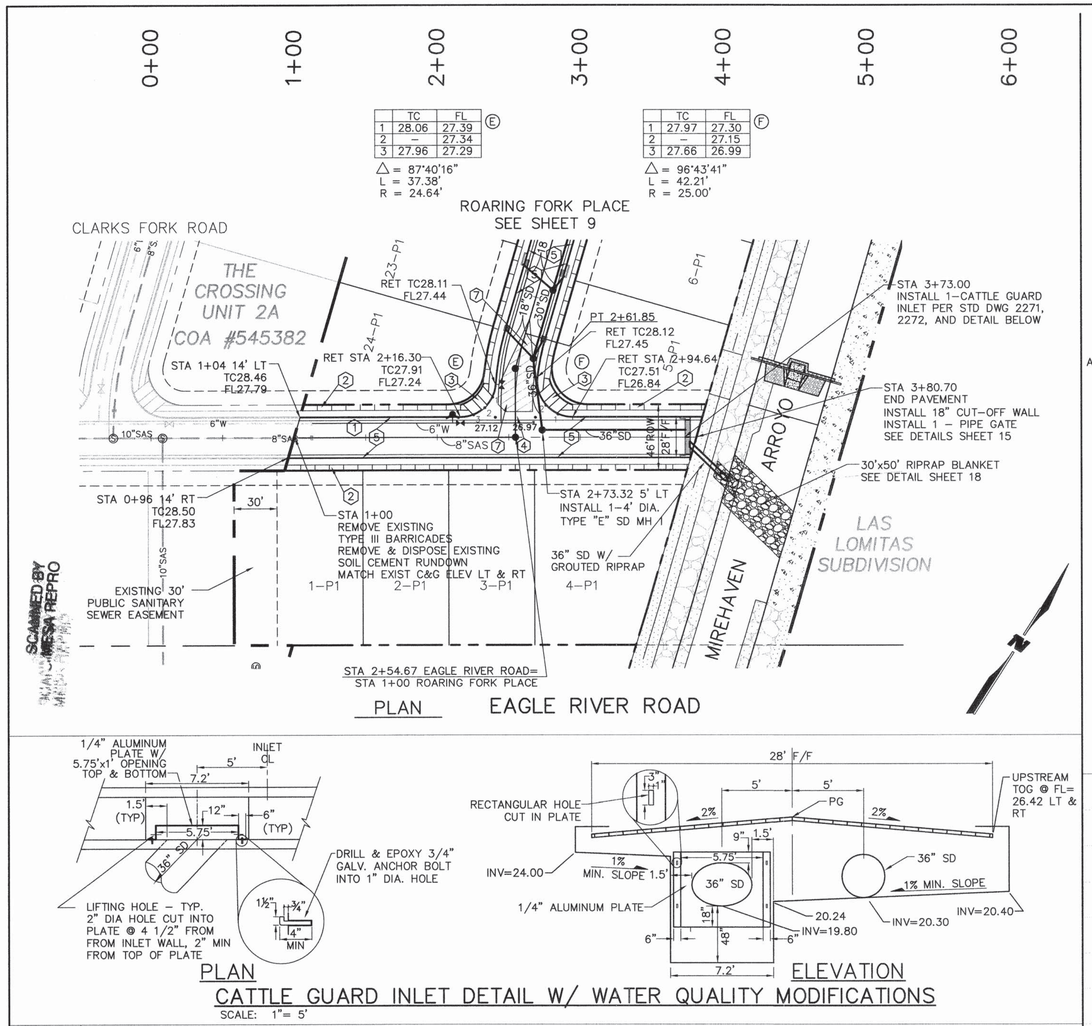
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

THE CROSSING SUBDIVISION UNIT 3
UTILITY PLAN & PROFILE
ROARING FORK PLACE

Design Review Committee: DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
545383	H-9-Z	10	19

WILSON & COMPANY



PLAN EAGLE RIVER ROAD

	TC	FL
1	28.06	27.39
2	--	27.34
3	27.96	27.29

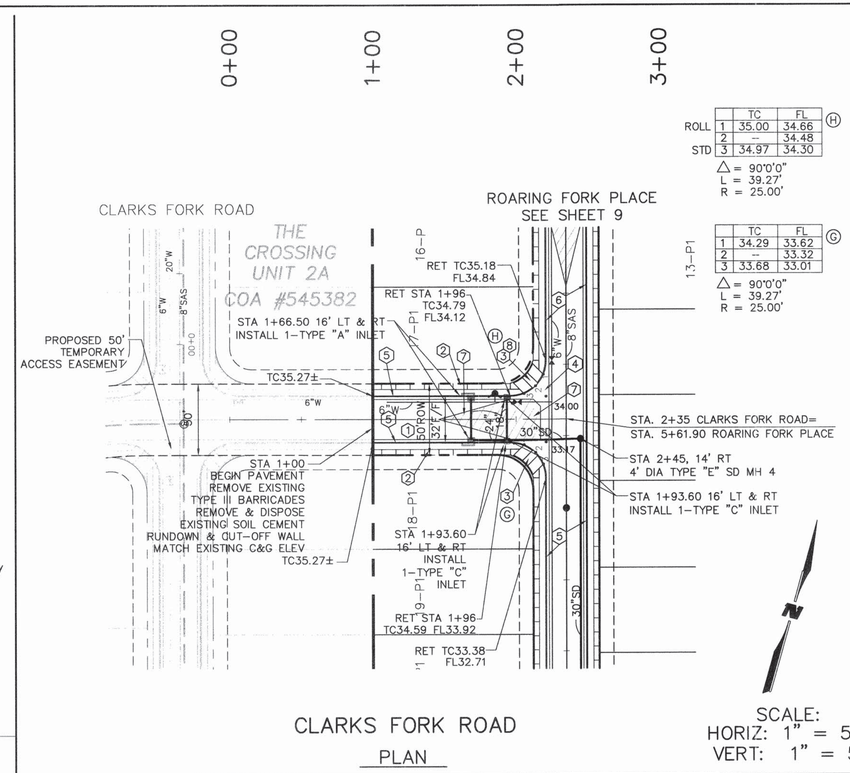
(E)

△ = 87°40'16"
L = 37.38'
R = 24.64'

	TC	FL
1	27.97	27.30
2	--	27.15
3	27.66	26.99

(F)

△ = 96°43'41"
L = 42.21'
R = 25.00'



		TC	FL
ROLL	1	35.00	34.66
	2	--	34.48
STD	3	34.97	34.30

(H)

△ = 90°0'0"
L = 35.00'
R = 25.00'

	TC	FL
1	34.29	33.62
2	--	33.32
3	33.68	33.01

(G)

△ = 90°0'0"
L = 39.27'
R = 25.00'

CLARKS FORK ROAD

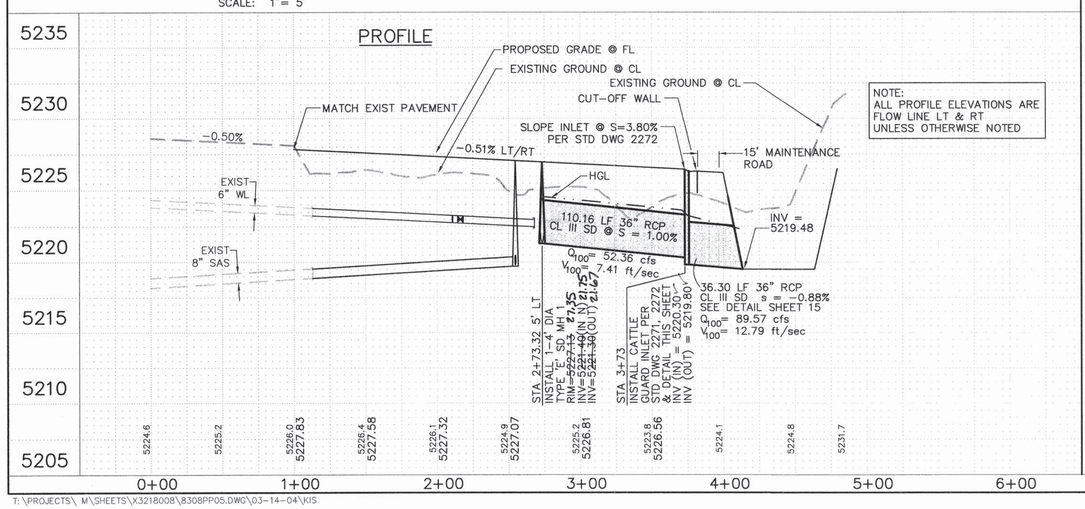
PLAN

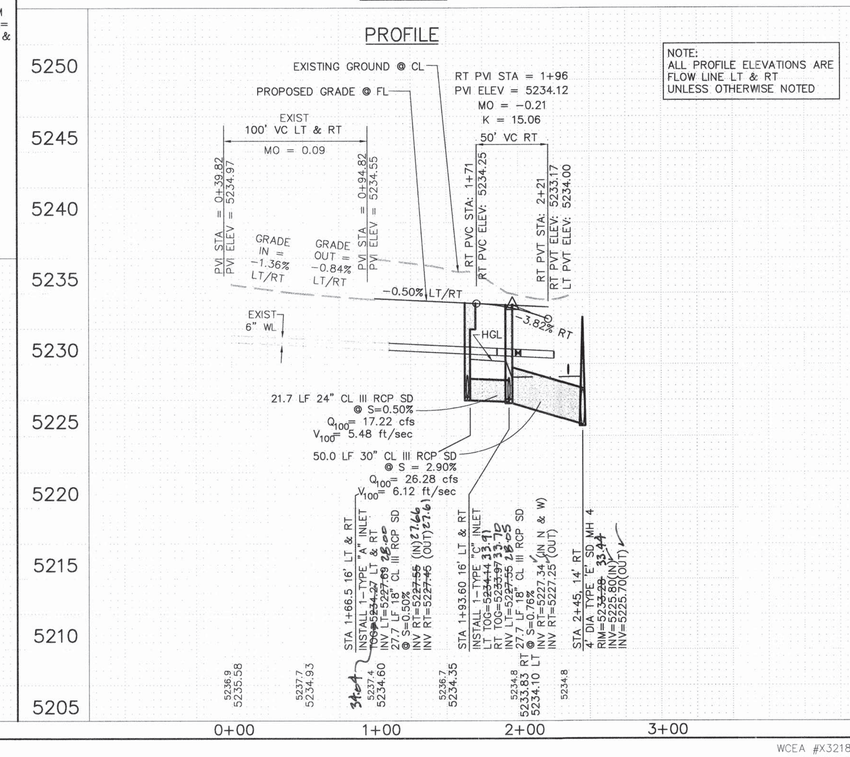
SCALE:
HORIZ: 1" = 50'
VERT: 1" = 5'

PLAN ELEVATION

CATTLE GUARD INLET DETAIL W/ WATER QUALITY MODIFICATIONS

SCALE: 1"= 5'





PAVING CONSTRUCTION NOTES

I.D.#	DESCRIPTION
1	BUILD RESIDENTIAL PAVEMENT PER RESIDENTIAL STREET SECTION (SEE SHEET 7)
2	BUILD 4' PCC SIDEWALK PER COA STD DWG 2430 (DEFERRED)
3	BUILD PCC WHEELCHAIR RAMP PER COA STD DWG 2441 CASE II
4	BUILD PCC 6' CONCRETE VALLEY GUTTER PER COA STD DWG 2420
5	BUILD 8" PCC STD CURB AND GUTTER PER COA STD DWG 2415A
6	BUILD PCC ROLL CURB AND GUTTER PER COA STD DWG 2415A
7	PAVEMENT TRANSITION FROM FULL CROWN TO NO CROWN AT RETURN
8	TRANSITION FROM STD TO ROLL CURB & GUTTER THROUGH WCR PER STD DWG 2418

GENERAL NOTES

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

2. ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTLHERWISE SPECIFIED.

3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF CURB UNLESS OTHERWISE SPECIFIED.

5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND EMD AT THE END OF EACH SANITARY SEWER SERVICE.

6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.

7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.

8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.

9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES SO AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.

10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

11. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

AS-BUILT INFORMATION
CONTRACTOR: M. Lopez Concrete DATE
WORK STAKED TO PLAN BY: Precision Surveys DATE
INSPECTOR'S ACCEPTANCE BY: SEC DATE
FIELD VERIFICATION BY: Precision Surveys DATE
DRAWINGS CORRECTED BY: Precision Surveys DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
A.C.S. Aluminum Tablet Stamped "BH-40" Data:
New Mexico State Plane Grid Coordinates (Central Zone)
NAD 1927 X=352,790.66 Y=1,492,346.53
Ground to grid factor = 0.9996105
A.C.S. Aluminum Tablet Stamped "BH-41" Data:
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Ground to grid factor = 0.99966704
Delta Alpha = (-)00°17'08" ELEV = 5398.63
Delta Alpha = (-)00°16'59" ELEV = 5305.43

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
NEW MEXICO
JAMES M. SIEBERT
15985
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY JMT DATE APRIL 2003
DRAWN BY DJC DATE APRIL 2003
CHECKED BY BMS DATE APRIL 2003

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

THE CROSSING SUBDIVISION UNIT 3
PAVING & STORM DRAIN PLAN & PROFILE
EAGLE RIVER ROAD, CLARKS FORK ROAD

Design Review Committee — APPROVED — DESIGN REVIEW COMMITTEE
City Engineer Approval — APPROVED — CITY ENGINEER
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No. 545383 | Zone Map No. H-9-Z | Sheet 11 Of 19

WCEA #X3218008
MARCH 2004

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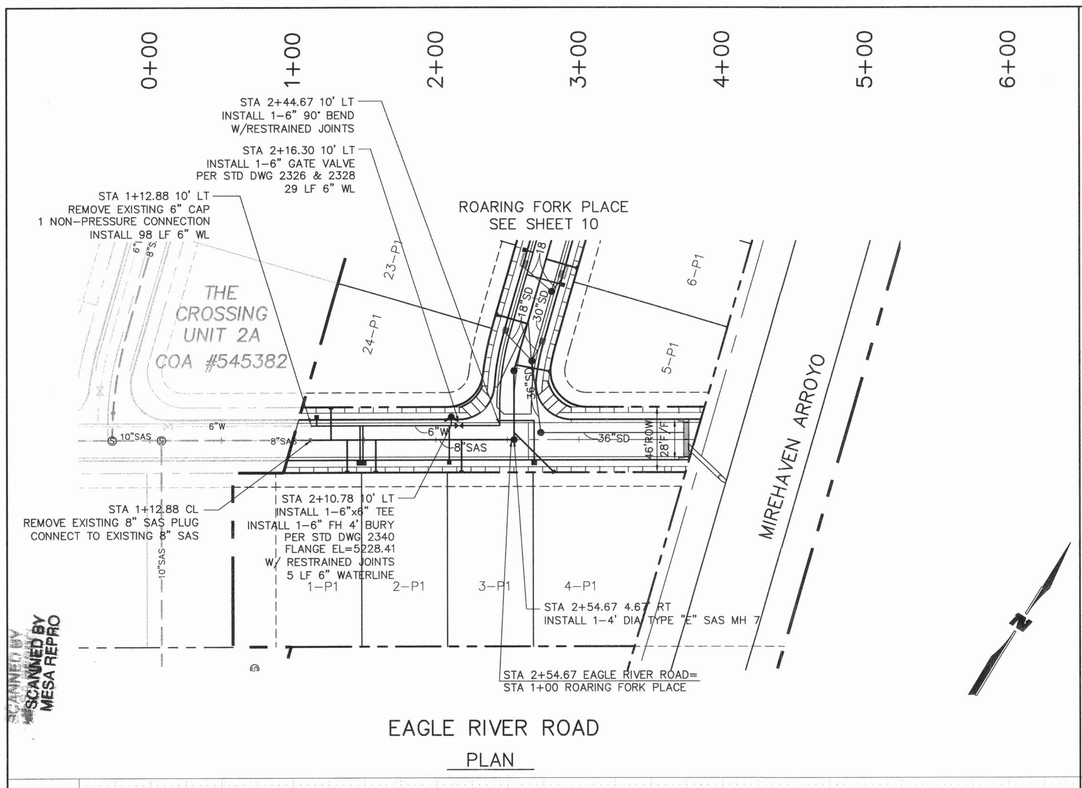
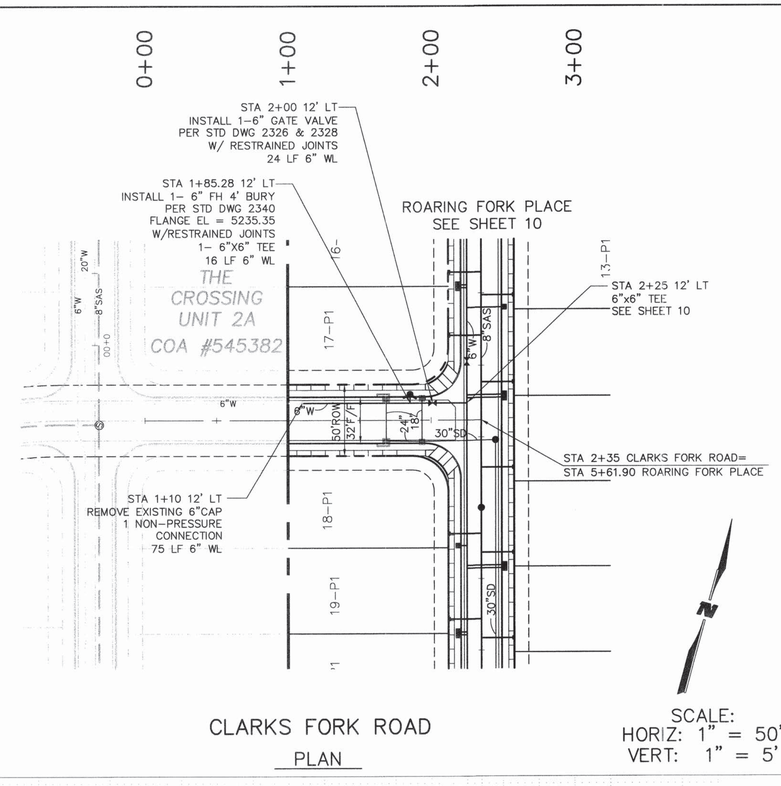
WILSON & COMPANY



EAGLE RIVER ROAD

PLAN



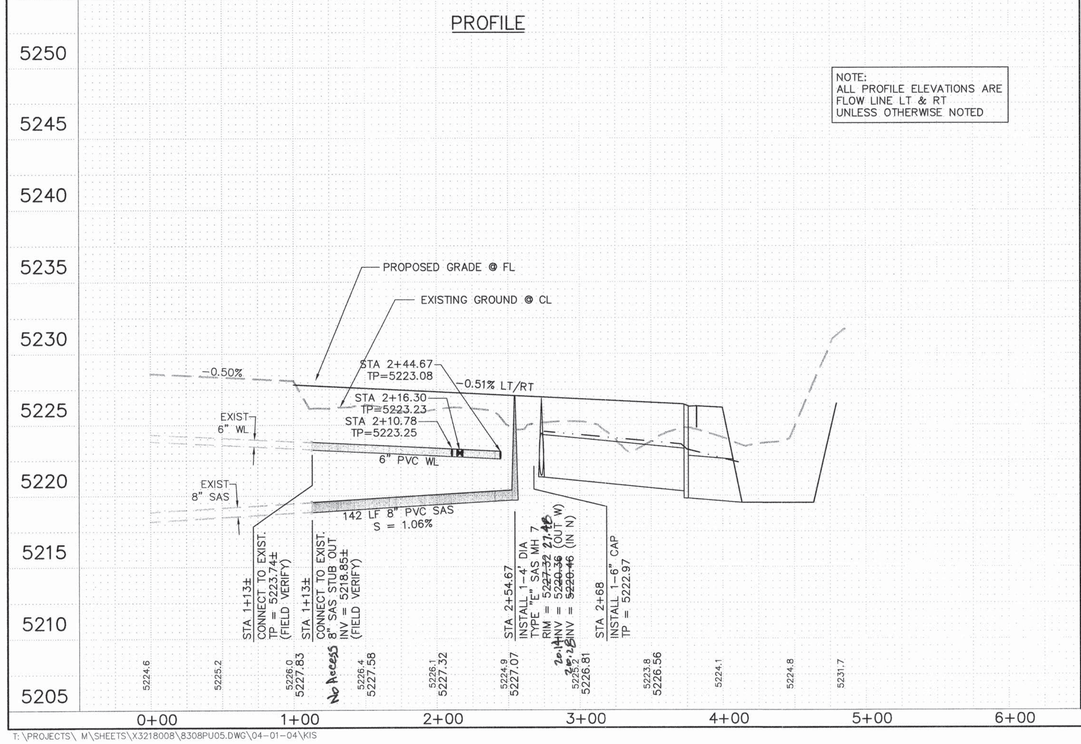
CLARKS FORK ROAD

PLAN

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

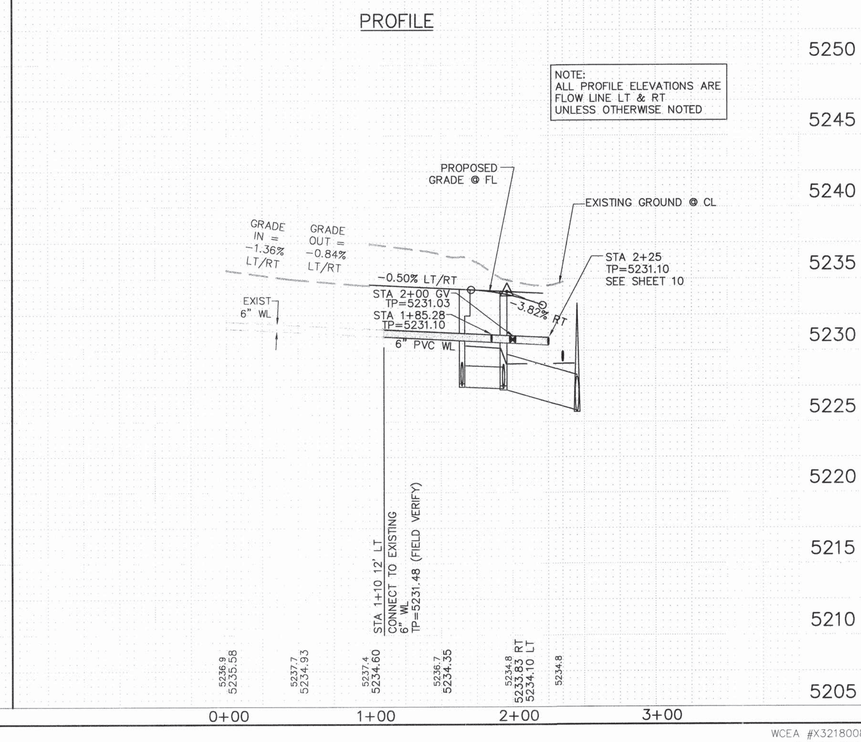
PROFILE

NOTE:
ALL PROFILE ELEVATIONS ARE
FLOW LINE LT & RT
UNLESS OTHERWISE NOTED



PROFILE

NOTE:
ALL PROFILE ELEVATIONS ARE
FLOW LINE LT & RT
UNLESS OTHERWISE NOTED



EAGLE RIVER ROAD

4" SEWER SERVICES PER STD DWG 2125

STATION	LOT	INV @ PL	LENGTH	REMARKS
1+26.67	24	21.60	23.00'	LEFT
1+37.92	1	20.80	23.00'	RIGHT
1+57.92	2	20.90	23.00'	RIGHT
2+17.67	3	21.30	23.00'	RIGHT
2+77.92	4	SEE SHEET 10		

EAGLE RIVER ROAD

3/4" WATER SERVICES PER STD DWG 2362

STATION	LOT	TYPE	LENGTH	REMARKS
1+16.67	24	SINGLE	4.65	LEFT
1+47.92	1,2	DOUBLE	24.47'	RIGHT
2+09.34	3	SINGLE	24.50'	RIGHT
	4	SEE SHEET 10		

AS-BUILT INFORMATION
CONTRACTOR: Hernandez Concrete DATE
WORK STAKED BY: Precision Surveys DATE 2004
INSPECTOR'S AS-BUILT CHANGES BY: DATE
FIELD VERIFICATION BY: Precision Surveys DATE 2004
DRAWINGS CORRECTED BY: Precision Surveys DATE 2004
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
A.C.S. Aluminum Tablet Stamped "BH-40" Data:
New Mexico State Plane Grid Coordinates (Central Zone)
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Ground to grid factor = 0.99968704
Delta Alpha = (-)00°17'08" ELEV = 5398.63

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
DANIEL S. BOURNE 9955 NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY JMT DATE APRIL 2003
DRAWN BY DLC DATE APRIL 2003
CHECKED BY BMS DATE APRIL 2003

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

THE CROSSING SUBDIVISION UNIT 3
UTILITY PLAN & PROFILE
EAGLE RIVER ROAD, CLARKS FORK ROAD

Design Review Committee: APPROVED DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 545383 | Zone Map No. H-9-Z | Sheet 12 Of 19

WCEA #X3218008
MARCH 2004

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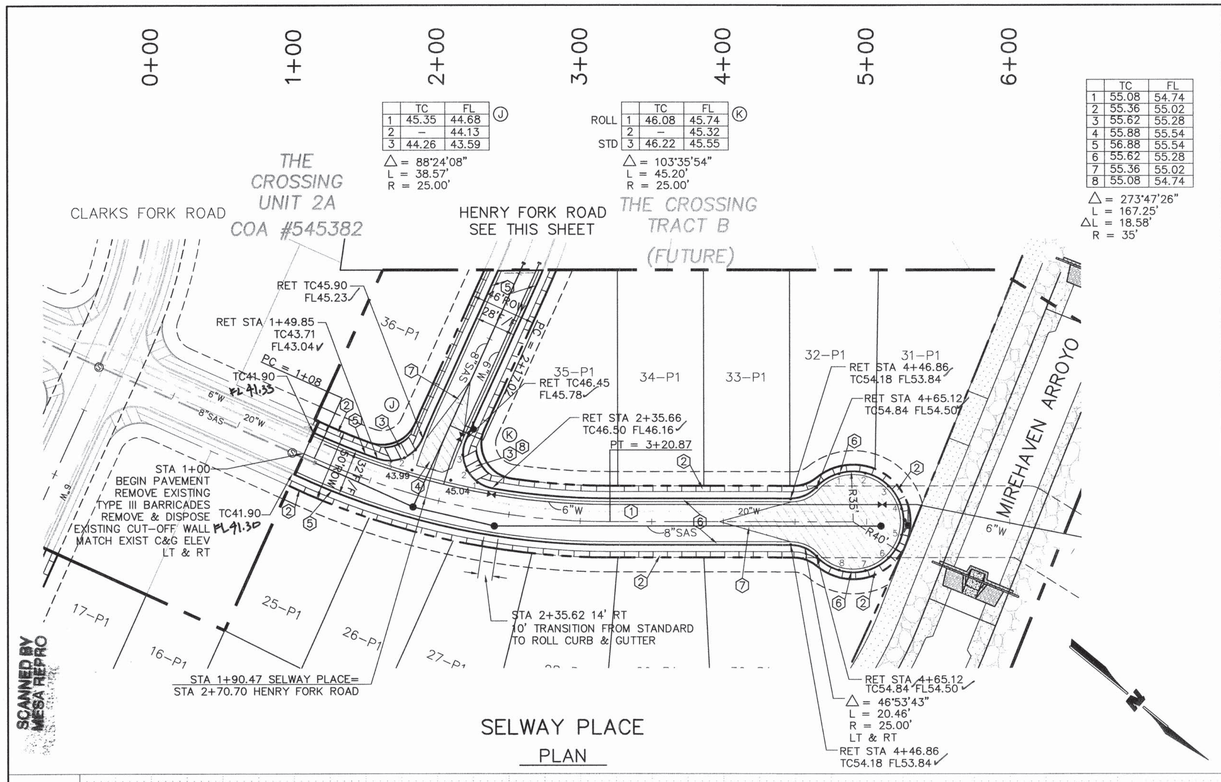
WILSON & COMPANY

SCANNED BY MESA REPRO



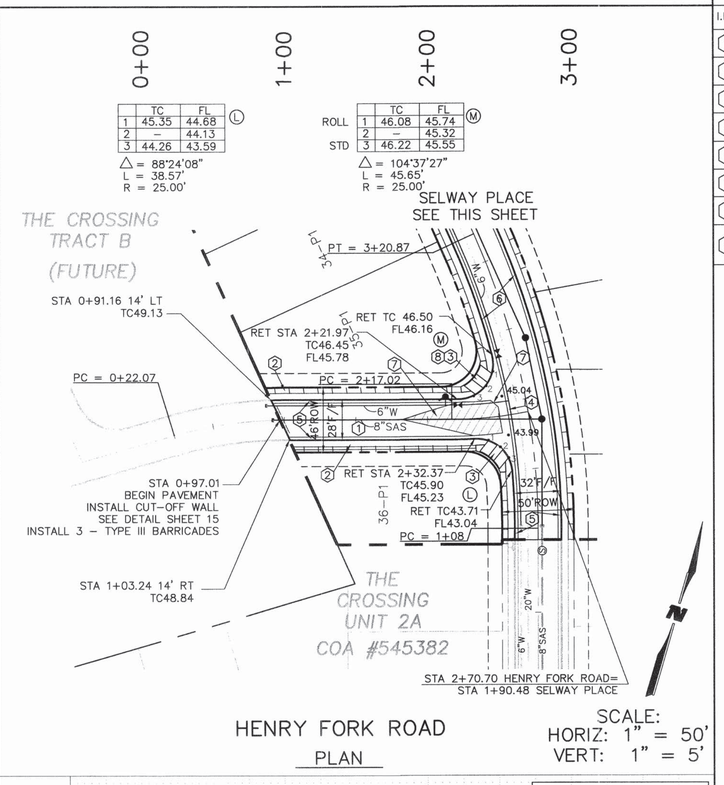
	TC	FL
1	45.35	44.68
2	–	44.13
3	44.26	43.59

ROLL	TC	FL
1	46.08	45.74
2	–	45.32
STD 3	46.22	45.55

	TC	FL
1	55.08	54.74
2	55.36	55.02
3	55.62	55.28
4	55.88	55.54
5	56.88	55.54
6	55.62	55.28
7	55.36	55.02
8	55.08	54.74

SELWAY PLACE

PLAN



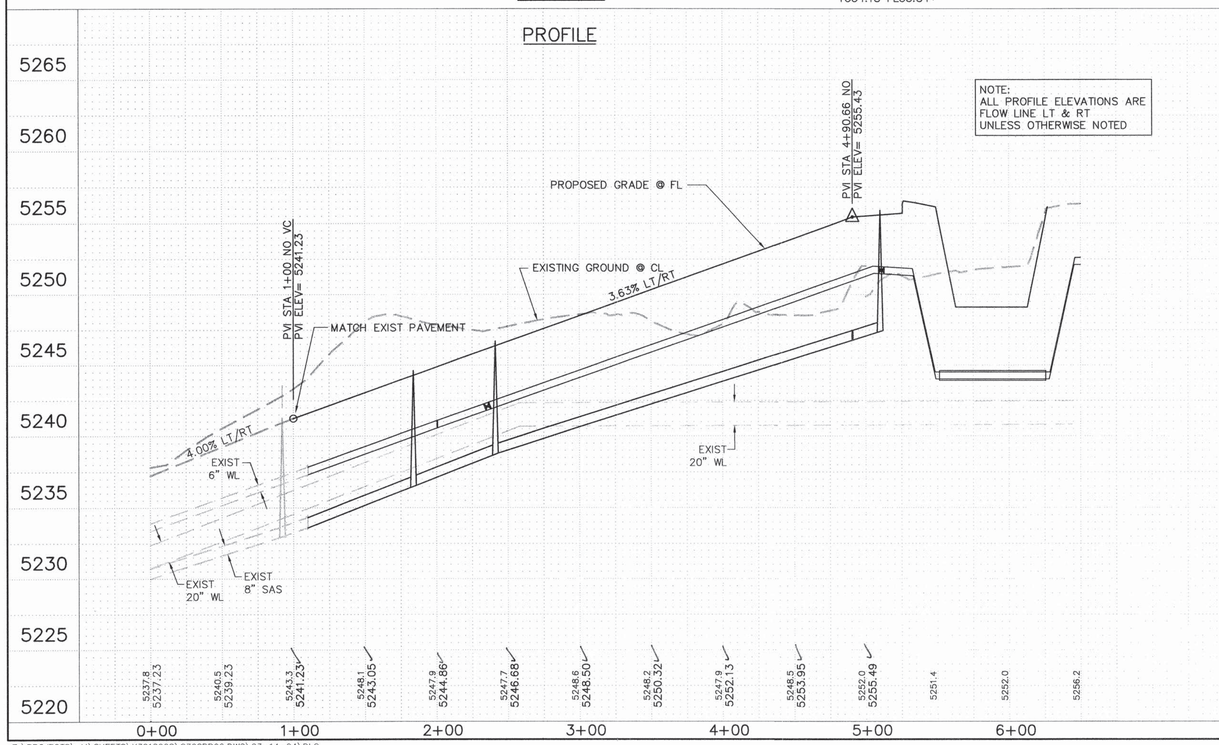
	TC	FL
1	45.35	44.68
2	–	44.13
3	44.26	43.59

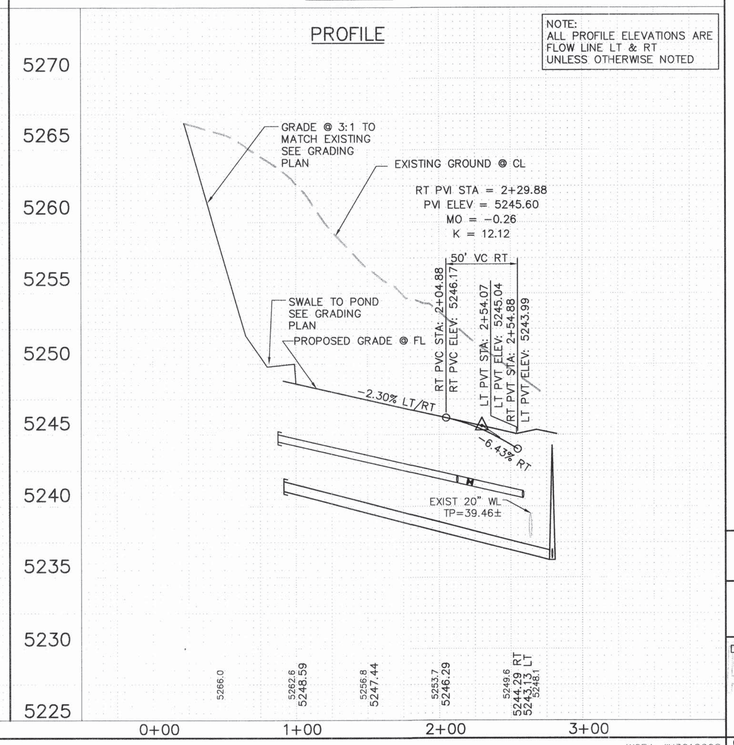
ROLL	TC	FL
1	46.08	45.74
2	–	45.32
STD 3	46.22	45.55

HENRY FORK ROAD

PLAN

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





PAVING CONSTRUCTION NOTES

I.D.#	DESCRIPTION
1	BUILD RESIDENTIAL PAVEMENT PER RESIDENTIAL STREET SECTION (SEE SHEET 7)
2	BUILD 4' PCC SIDEWALK PER COA STD DWG 2430 (DEFERRED)
3	BUILD PCC WHEELCHAIR RAMP PER COA STD DWG 2441 CASE II
4	BUILD PCC 6' CONCRETE VALLEY GUTTER PER COA STD DWG 2420
5	BUILD 8" PCC STD CURB AND GUTTER PER COA STD DWG 2415A
6	BUILD PCC ROLL CURB AND GUTTER PER COA STD DWG 2415A
7	PAVEMENT TRANSITION FROM FULL CROWN TO NO CROWN AT RETURN
8	TRANSITION FROM STD TO ROLL CURB & GUTTER THROUGH WCR PER STD DWG 2418

GENERAL NOTES

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2. ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

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11. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

AS-BUILT INFORMATION

CONTRACTOR: Velendez Concrete
WORK STAKED BY: Precision Surveys DATE: 2004
INSPECTOR'S ACCEPTANCE BY: BJC DATE: 11
FIELD VERIFICATION BY: Precision Surveys DATE: 2004
DRAWINGS CORRECTED BY: Precision Surveys DATE: 2004
MICRO-FILM INFORMATION
RECORDED BY: DATE:
NO.

BENCH MARKS

A.C.S. Aluminum Tablet Stamped "BH-40" Data:
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Ground to grid factor = 0.99966704
Delta Alpha = (–)00°17'08" ELEV = 5398.63

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

ENGINEER'S SEAL

GUILLERMO E. DUARTE NEW MEXICO 10155 PROFESSIONAL ENGINEER REGISTERED PROFESSIONAL

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY JMT DATE APRIL 2003
DRAWN BY DLC DATE APRIL 2003
CHECKED BY BMS DATE APRIL 2003

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

THE CROSSING SUBDIVISION UNIT 3
PAVING PLAN & PROFILE
SELWAY PLACE, HENRY FORK ROAD

Design Review Committee — DESIGN REVIEW COMMITTEE
City Engineer Approval — CITY ENGINEER
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No. 545383 | Zone Map No. H-9-Z | Sheet 13 Of 19

WCEA #X3218008
MARCH 2004

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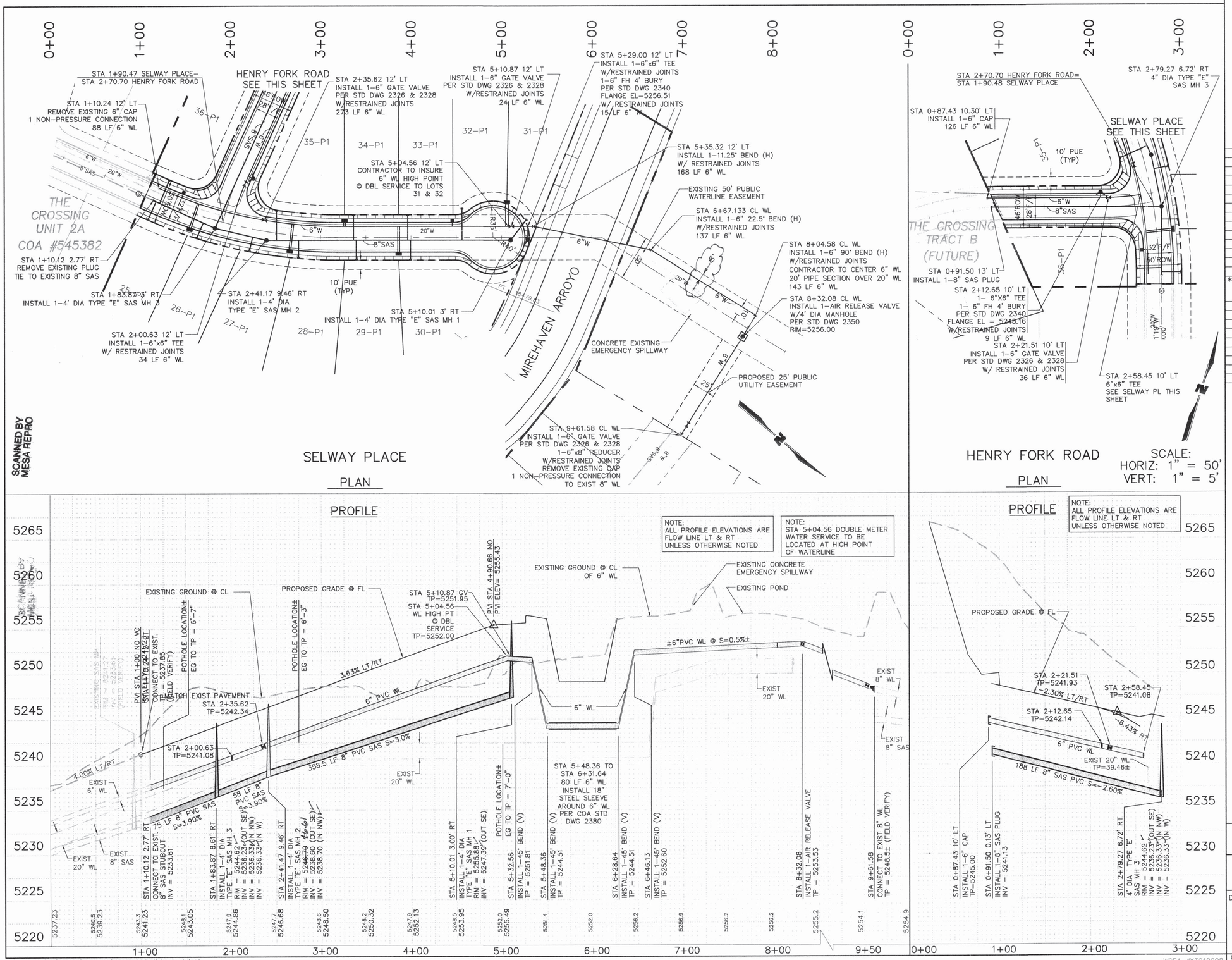
WILSON & COMPANY

SCANNED BY MESA REPRO



SCANNED BY MESA REPRO

SELWAY PLACE

4" SEWER SERVICES PER STD DWG 2125

STATION	LOT	INV @ PL	LENGTH	REMARKS
1+13.23	25	35.60	28.05'	RIGHT
1+17.59	36	39.00	22.21'	LEFT 4' RISER
1+69.97	26	37.70	18.48'	RIGHT
2+25.83	27	39.80	16.42'	RIGHT
2+52.09	35	43.90	33.18'	LEFT 3.5' RISER
2+76.01	28	41.60	20.08'	RIGHT
3+36.37	34	43.70	28.00'	LEFT
3+39.37	29	43.70	21.97	RIGHT
3+96.37	33	45.60	28.00'	LEFT
4+00.00	30	45.60	22.00'	RIGHT
4+56.37	32	47.70	35.21'	LEFT
	*31	49.00	28.69'	LEFT- SEE NOTE AT LEFT

* INSTALL SAS SERVICE INTO MANHOLE PER STD DWG 2118

SELWAY PLACE

3/4" WATER SERVICES PER STD DWG 2362

STATION	LOT	TYPE	LENGTH	REMARKS
1+38.22	36	SINGLE	4.62'	LEFT
1+58.02	25,26	DOUBLE	28.63'	RIGHT
2+68.02	27,28	DOUBLE	23.63'	RIGHT
3+26.50	35,34	DOUBLE	4.63'	LEFT
3+86.37	29,30	DOUBLE	28.62'	RIGHT
4+45.58	33	SINGLE	4.63'	LEFT
5+04.56	31,32	DOUBLE	25.20'	LEFT

AS-BUILT INFORMATION
CONTRACTOR: Melendez Concrete
STAKED BY: Precision Surveys DATE: 2004
INSPECTOR'S ACCEPTANCE BY: SSC DATE: 11
FIELD VERIFICATION BY: Precision Surveys DATE: 2004
DRAWINGS CORRECTED BY: Precision Surveys DATE: 2004
MICRO-FILM INFORMATION
RECORDED BY: DATE:
NO.

BENCH MARKS
A.C.S. Aluminum Tablet Stamped "BH-40" Data:
New Mexico State Plane Grid Coordinates (Central Zone)
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Ground to grid factor = 0.9996105
Delta Alpha = (-)00°16'59" ELEV = 5,305.43
A.C.S. Aluminum Tablet Stamped "BH-41" Data:
New Mexico State Plane Grid Coordinates (Central Zone)
NAD 1927 X=351,455.56 Y=1,496,546.13
Ground to grid factor = 0.9996704
Delta Alpha = (-)00°17'08" ELEV = 5,398.63

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY JMT DATE APRIL 2003
DRAWN BY DLC DATE APRIL 2003
CHECKED BY BMS DATE APRIL 2003

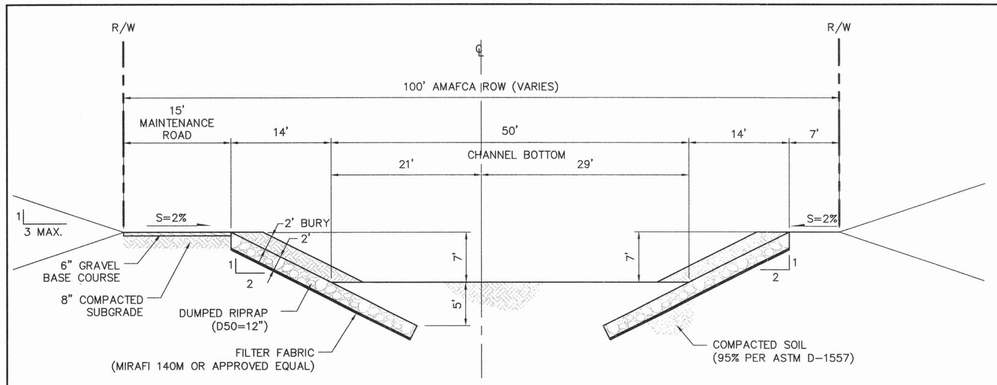
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

THE CROSSING SUBDIVISION UNIT 3
UTILITY PLAN & PROFILE
SELWAY PLACE, HENRY FORK ROAD

Design Review Committee: APPROVED — DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED — CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

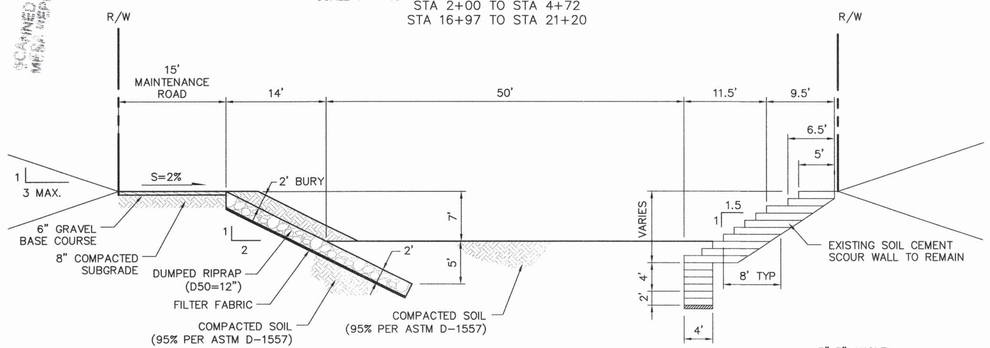
City Project No.	Zone Map No.	Sheet	Of
545383	H-9-Z	14	19

WILSON & COMPANY



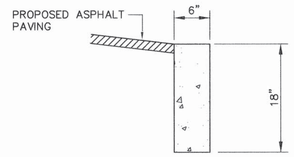
TRAPEZOIDAL ARROYO SECTION

SCALE 1" = 10' MIREHAVEN ARROYO
STA 2+00 TO STA 4+72
STA 16+97 TO STA 21+20



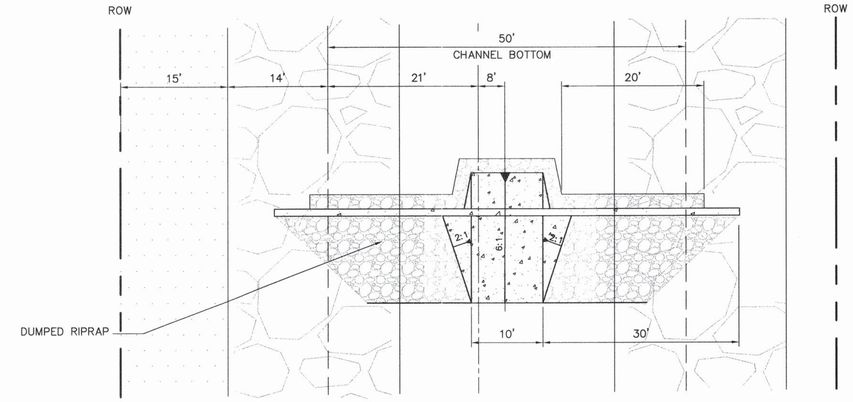
TRAPEZOIDAL ARROYO SECTION

SCALE 1" = 10' MIREHAVEN ARROYO
STA 4+72 TO STA 16+97



CUT-OFF WALL DETAIL

SCALE: 1"=1'

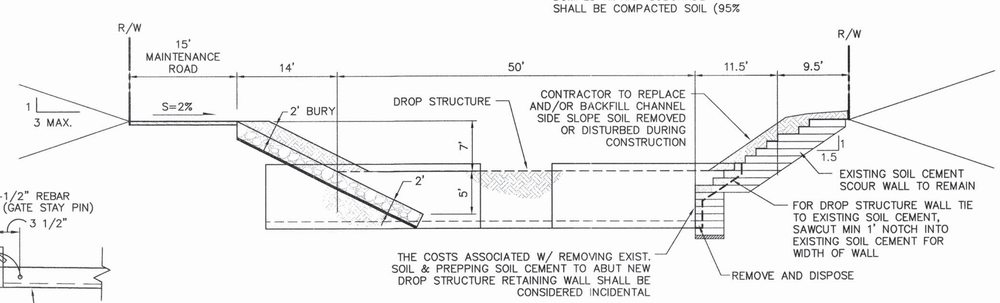


DROP STRUCTURE PLAN (TYP)

SCALE 1"=10'

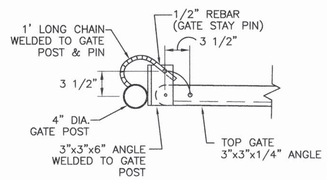
NOTE

DUMPED RIPRAP SUBGRADE SHALL BE COMPACTED SOIL (95% PER ASTM D-1557).



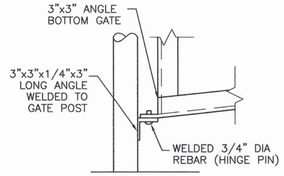
TYPICAL DROP STRUCTURE W/TRAPEZOIDAL ARROYO SECTION

SCALE 1" = 10' MIREHAVEN ARROYO



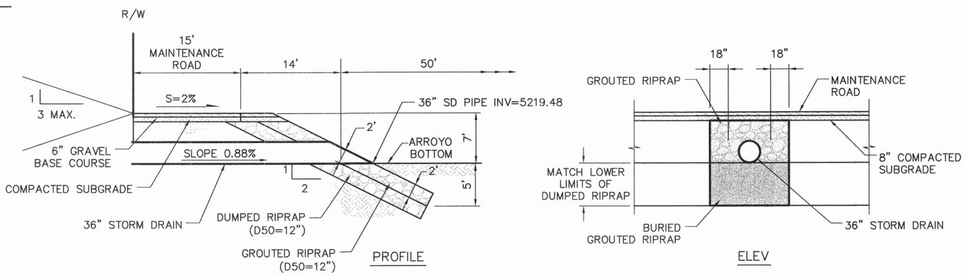
DETAIL B

NTS



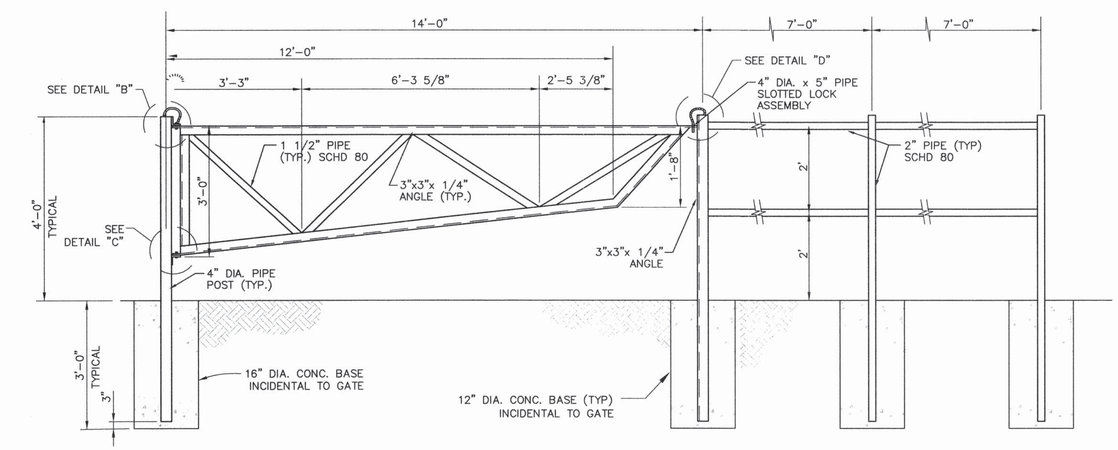
DETAIL C

NTS



36" STORM DRAIN OUTLET DETAIL

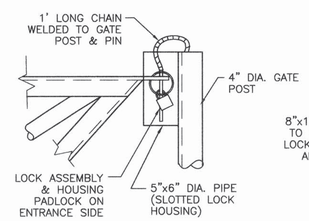
SCALE 1" = 10' MIREHAVEN ARROYO
STA 5+46.27



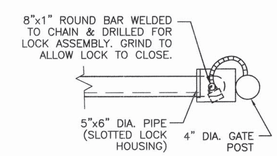
PIPE GATE DETAIL

NTS

NOTE: CLEAN AND PAINT ALL PIPE HANDRAIL WITH 1 COAT PRIMER AND 2 COATS TNEMEC 2H (MATCH WELLBORN HAZELNUT BROWN) OR EQUAL APPROVED BY PROJECT ENGINEER. PAINT INCIDENTAL TO COST OF PIPE RAIL FENCE.



ELEVATION



PLAN

DETAIL D

NTS

WCEA #X3218008
MARCH 2004

AS-BUILT INFORMATION
CONTRACTOR: Melendez Concrete
WORK STAKED BY: Precision Surveys DATE: 2004
INSPECTOR'S ACCEPTANCE BY: DATE:
FIELD VERIFICATION BY: Precision Surveys DATE: 2004
DRAWINGS CORRECTED BY: Precision Surveys DATE: 2004
MICRO-FILM INFORMATION
RECORDED BY: DATE:
NO.

BENCH MARKS
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Ground to grid factor = 0.99966704
Delta Alpha = (-)00°17'08" ELEV = 5,398.63

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY JMT DATE APRIL 2003
DRAWN BY DLC DATE APRIL 2003
CHECKED BY BMS DATE APRIL 2003

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

THE CROSSING SUBDIVISION UNIT 3
MIREHAVEN ARROYO
TYPICAL SECTIONS & DETAILS

Design Review Committee: APPROVED DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 545383 | Zone Map No. H-9-Z | Sheet 15 Of 19

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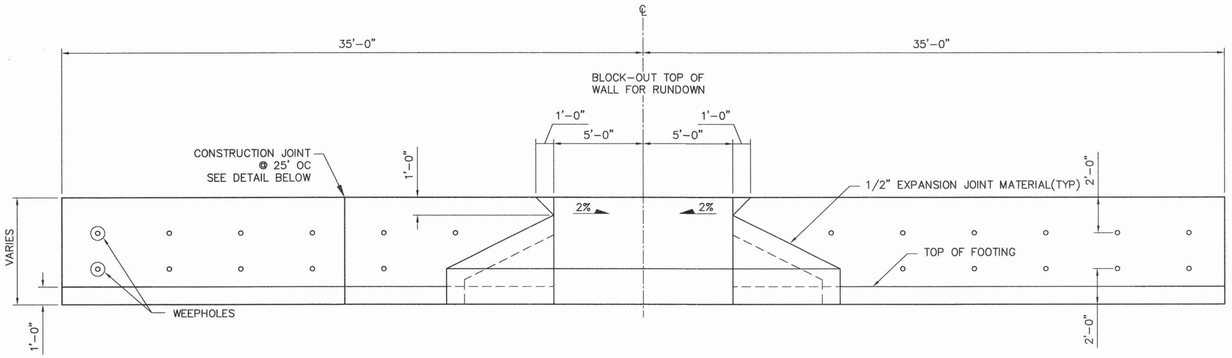
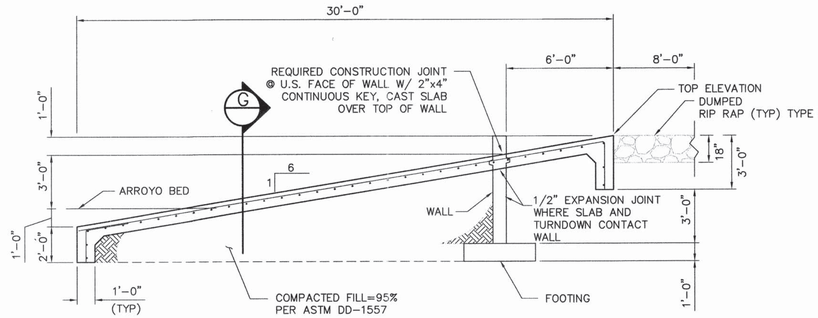
SCANNED BY MESA REPRO



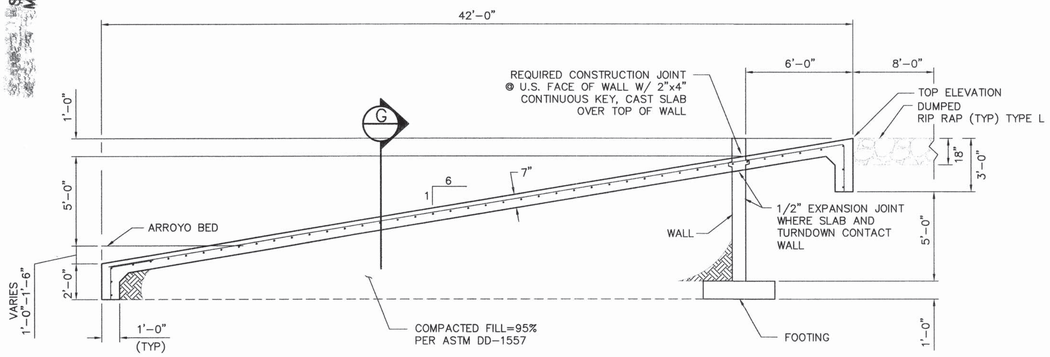
ELEVATION–GRADE CONTROL DROP STRUCTURE

SCALE: 1' = 4'



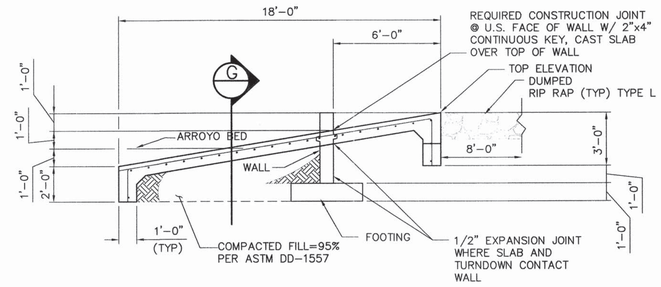
SECTION– 4' DROP STRUCTURE

SCALE: 1' = 4'



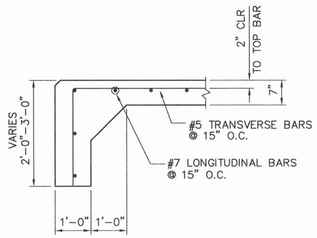
SECTION– 6' DROP STRUCTURE

SCALE: 1 '= 4'



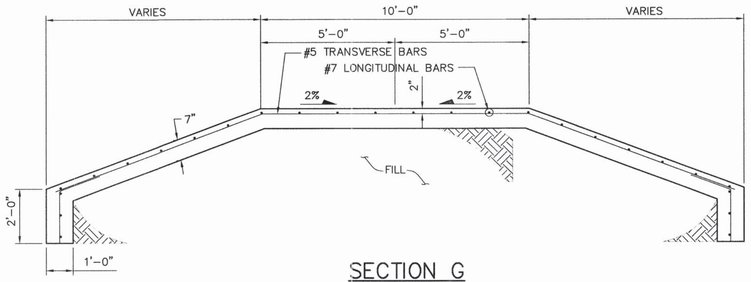
SECTION– 2' DROP STRUCTURE

SCALE: 1 '= 4'



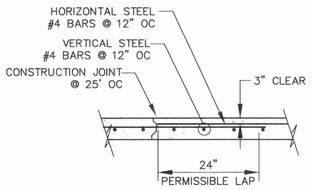
TYPICAL TURNDOWN

SCALE: 1' = 2'



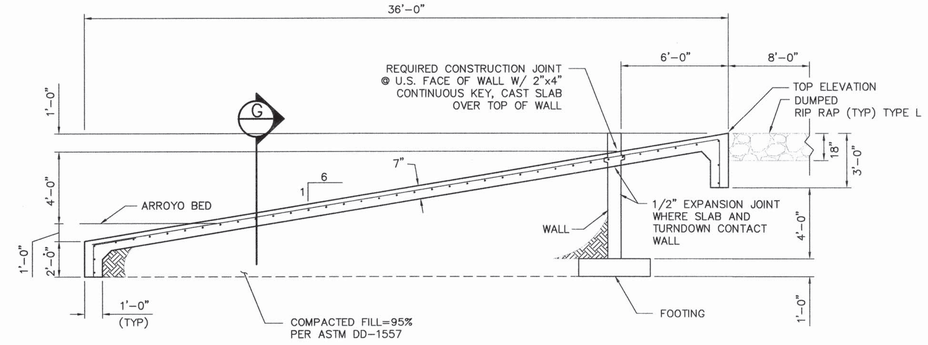
SECTION G

SCALE: 1' = 3'



TYPICAL CONSTRUCTION JOINT

NTS



SECTION– 5' DROP STRUCTURE

SCALE: 1' = 4'

SCANNED BY MESA REPRO

AS-BUILT INFORMATION

CONTRACTOR Melendez Concrete DATE
WORK STAKED BY Precision Surveys DATE 11-2004
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Precision Surveys DATE 11-2004
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

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Ground to grid factor = 0.99966704
Delta Alpha = (–)00°17'08" ELEV = 5398.63

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

DAVID S. MAGUIRRE NEW MEXICO 1956 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

		DATE
DESIGNED BY	JMT	APRIL 2003
DRAWN BY	DLC	APRIL 2003
CHECKED BY	BMS	APRIL 2003

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

THE CROSSING SUBDIVISION UNIT 3
DROP STRUCTURE DETAILS

Design Review Committee — APPROVED — DESIGN REVIEW COMMITTEE

City Engineer Approval — APPROVED — CITY ENGINEER

Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
545383	H-9-Z	16	19

WCEA #X3218008
MARCH 2004

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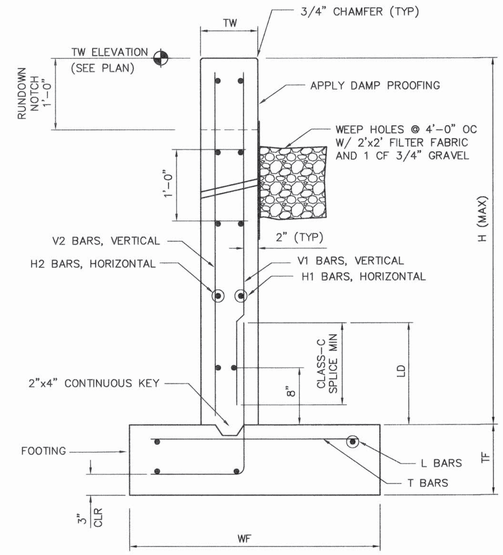


TYPICAL DROP STRUCTURE RETAINING WALL DETAIL

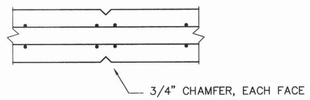
SCALE: 1' = 1'

NOTES FOR CAST-IN-PLACE RETAINING WALL

1. WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE STANDARD SPECIFICATIONS.
2. ALL CONCRETE SHALL BE CLASS A, 3000 PSI., TINTED, SAN DIEGO BUFF, 1#/SACK CEMENT FOR RAMP SURFACE.
3. REINFORCING BARS SHALL CONFORM TO AASHTO SPECIFICATION M31, GRADE 60. ALL DIMENSIONS ARE TO CENTERLINE OF THE BAR UNLESS NOTED OTHERWISE.
4. CAST-IN-PLACE WALL SHALL RECEIVE A FINISH OF THORO-COAT, SAN DIEGO BUFF.
5. REBAR LAP SPLICES SHALL BE CLASS "B" (ACI).
6. HORIZONTAL REBAR SHALL BE LAPPED AND CONTINUOUS EXCEPT WHERE NOTED.
7. DAMP PROOFING SHALL CONSIST OF ONE APPLICATION OF AN EMULSIFIED ASPHALT COMPOUND, HYDROCIDE 700B OR APPROVED EQUAL.
8. WHERE NO V1 BARS OR DIMENSION LD IS SPECIFIED, THE D BARS SHALL EXTEND TO THE TOP OF THE WALL.

LOADS

COULOMB EARTH PRESSURE FOR ø	=40°
SOIL UNIT WEIGHT	=120 PCF
ALLOWABLE BEARING PRESSURE	=3000 PSF
COEFFIECIENT OF FRICTION FOR SLIDING	=0.40



VERTICAL CONTRACTION JOINT PLAN DETAIL @ 15' O.C.

SCALE: 1' = 2'

DIMENSIONS								
ELEV. DROP	WALL TYPE	H (MAX) (FT)	TF (IN)	TW (IN)	TOE (IN)	HEEL (IN)	WF (IN)	LD (IN)
2'	B1	4	12	8	18	27	45	28
4'	B2	6	12	8	24	36	60	32
5'	B3	7	12	8	30	42	72	32
6'	B4	8	12	8	30	42	72	32

REINFORCING														
WALL TYPE	D		V1		H1		V2		H2		L		T	
	SIZE	SPACE	SIZE	SPACE	SIZE	SPACE	SIZE	SPACE	SIZE	SPACE	SIZE	NO. REQ'D	SIZE	SPACE
B1	5	12	4	12	4	12	4	12	4	12	4	5	4	18
B2	6	12	4	12	4	12	4	12	4	12	4	7	4	18
B3	6	12	4	12	4	12	4	12	4	12	4	7	4	18
B4	6	12	4	12	4	12	4	12	4	12	4	7	4	18

RETAINING WALL TABLES

AS-BUILT INFORMATION
CONTRACTOR: ALTENDERZ CONCRETE
WORK STAKED BY: PRECISION SURVEYS DATE: 2004
INSPECTOR'S ACCEPTANCE BY: DATE: 11
FIELD VERIFICATION BY: PRECISION SURVEYS DATE: 2004
DRAWINGS CORRECTED BY: PRECISION SURVEYS DATE: 2004
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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY JMT DATE APRIL 2003
DRAWN BY DLC DATE APRIL 2003
CHECKED BY BMS DATE APRIL 2003

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

THE CROSSING SUBDVISION UNIT 3
DROP STRUCTURE RETAINING WALL DETAILS

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City Project No. 545383 | Zone Map No. H-9-Z | Sheet 17 Of 19

WCEA #X3218008
MARCH 2004

SCANNED BY MESA REPRO

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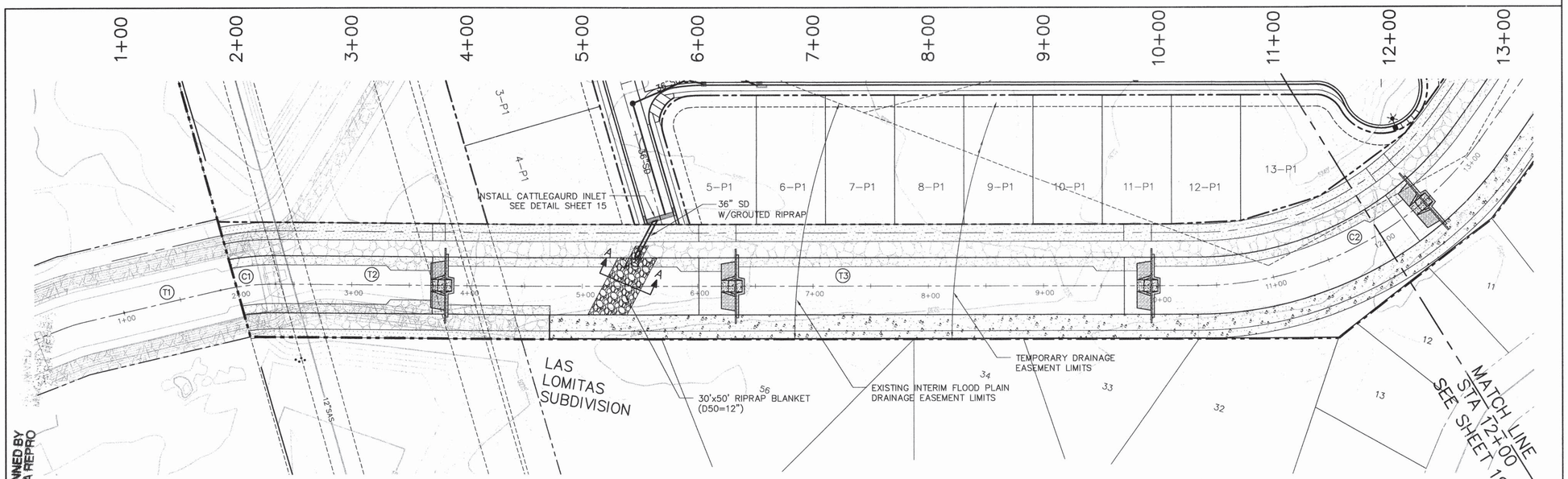
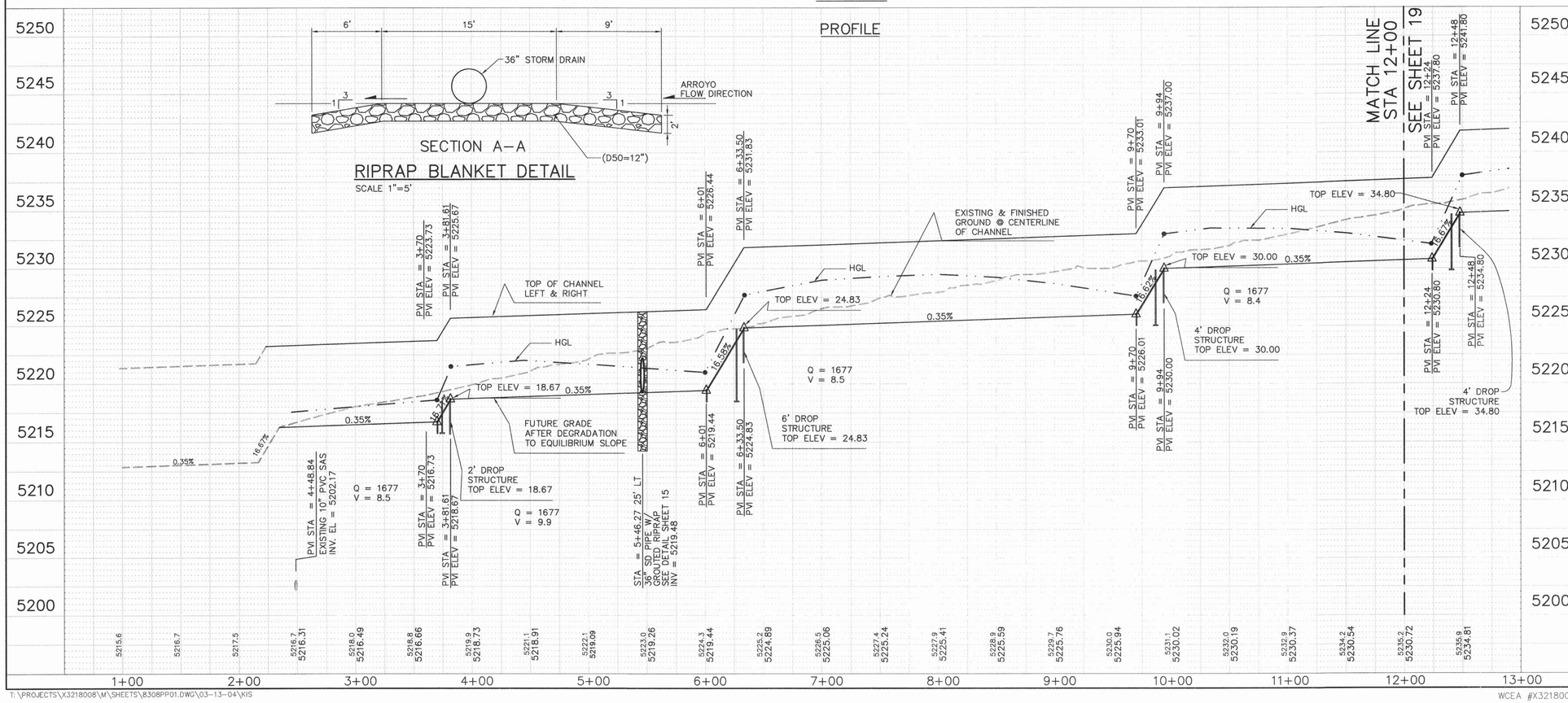


MIREHAVEN ARROYO

PLAN

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



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WCEA #X3218008
MARCH 2004

LEGEND

- PROPOSED AMAFCA MAINTENANCE ROAD
- DUMPED RIPRAP
- BURIED DUMPED RIPRAP
- EXISTING SOIL CEMENT

ARROYO CENTERLINE TANGENT TABLE		
T#	BEARING	LENGTH
T1	N29°04'14"W	85.91'
T2	N15°18'49"W	213.57'
T3	N15°52'57"W	586.62'

ARROYO CENTERLINE CURVE DATA	
CURVE DATA C1	CURVE DATA C2
R=200'	R=300'
L=48'	L=285'
T=24'	T=154'
Δ=13°45'25"	Δ=54°24'48"

NOTES

1. AMAFCA FIELD ENGINEER SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY WORK WITHIN THE AMAFCA R/W OR EASEMENT. TEL (505) 884-2215 JERRY LAVATO.

2. NO WORK WILL BE PERFORMED IN THE AMAFCA R/W BETWEEN MAY 15 AND OCTOBER 15 WITHOUT WRITTEN PERMISSION FROM AMAFCA.

3. ALL SUBGRADE, BACKFILL AND EMBANK SHALL BE COMPACTED TO 95% (MODIFIED PROCTOR) WITHIN THE AMAFCA R/W. TESTING REPORTS SHALL BE PROVIDED TO AMAFCA FIELD ENGINEER.

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5. ALL DISTURBED GROUND AREAS SHALL BE REVEGETATED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. SECTION 1012 NATIVE GRASS SEEDING AS CURRENTLY UPDATED.

APPROVED FOR CONSTRUCTION WITHIN AMAFCA RIGHT OF WAY OR EASEMENT:

Lynn M. Mayer 3-16-04
(AMAFCA) (DATE)

AS-BUILT INFORMATION

CONTRACTOR: Melendez Concrete DATE
WORK STAKED BY: Precision Surveys 2004 DATE
INSPECTOR ACCEPTANCE BY: SBC DATE
FIELD VERIFICATION BY: Precision Surveys 2004 DATE
DRAWINGS CORRECTED BY: Precision Surveys 2004 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

A.C.S. Aluminum Tablet Stamped "BH-40" Data:
New Mexico State Plane Grid Coordinates (Central Zone)
NAD 1927 X=352,790.66 Y=1,492,346.53
Ground to grid factor = 0.9996105
Delta Alpha = (-)00°16'59" ELEV = 5305.43

A.C.S. Aluminum Tablet Stamped "BH-41" Data:
New Mexico State Plane Grid Coordinates (Central Zone)
NAD 1927 X=351,455.56 Y=1,496,546.13
Ground to grid factor = 0.99966704
Delta Alpha = (-)00°17'08" ELEV = 5398.63

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	JMT	DATE APRIL 2003
DRAWN BY	DLC	DATE APRIL 2003
CHECKED BY	BMS	DATE APRIL 2003

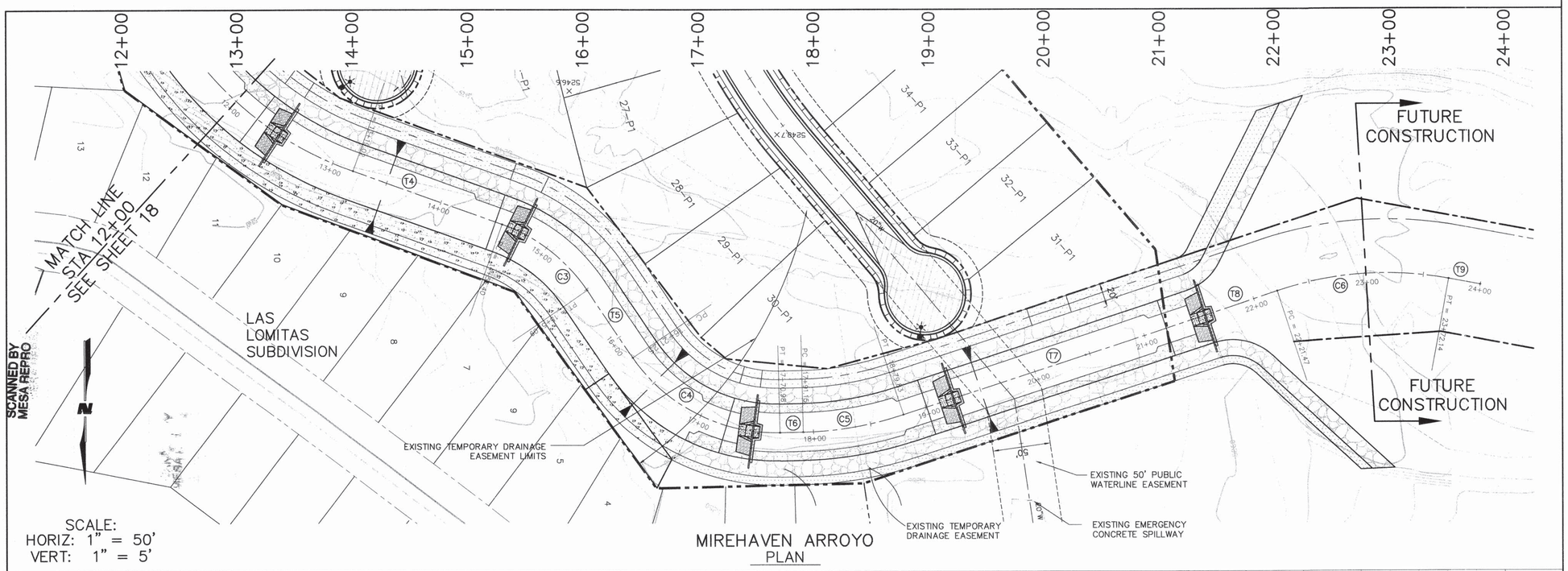
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

THE CROSSING SUBDIVISION UNIT 3
MIREHAVEN ARROYO PLAN & PROFILE
STATION 1+00 TO STATION 12+00

Design Review Committee: DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

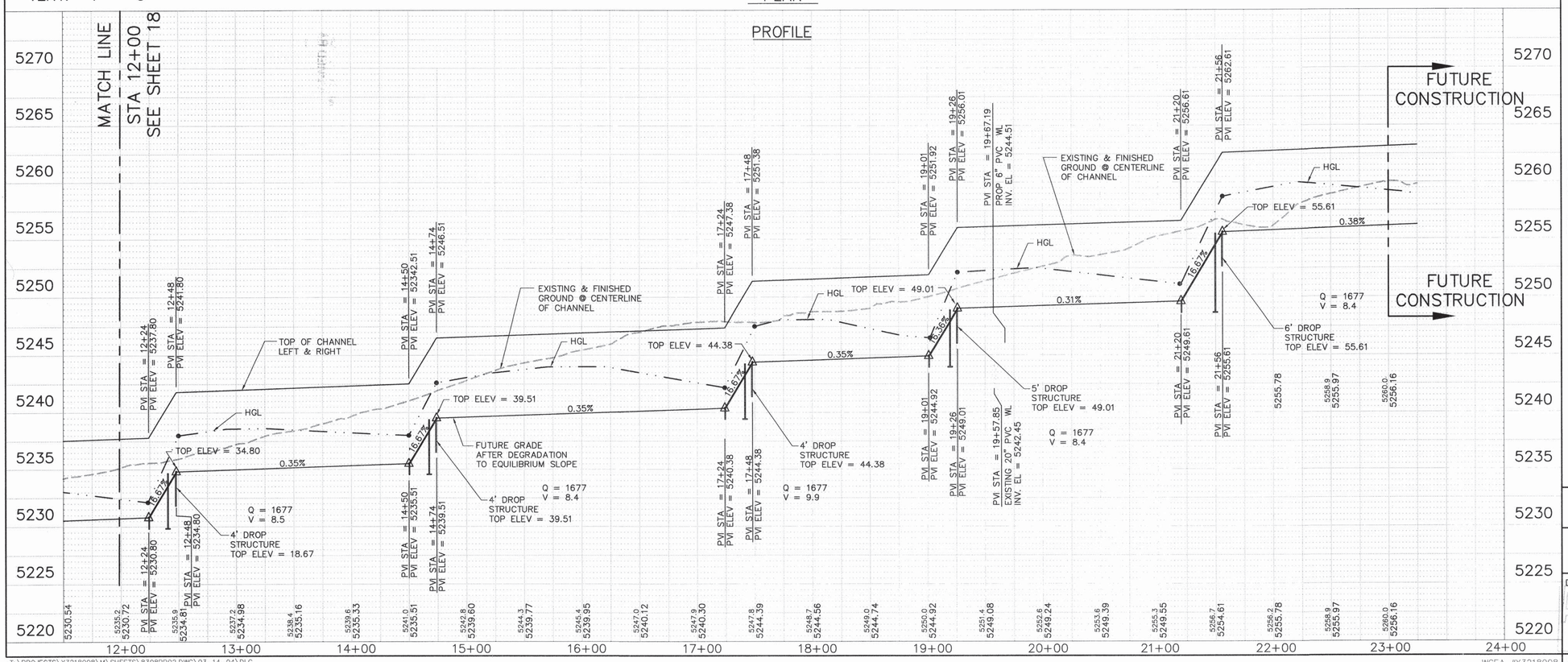
City Project No.	Zone Map No.	Sheet	Of
545383	H-9-Z	18	19

WILSON & COMPANY



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

MIREHAVEN ARROYO
PLAN



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WCEA #X3218008
MARCH 2004

LEGEND

- PROPOSED AMAFCA MAINTENANCE ROAD
- DUMPED RIPRAP
- BURIED DUMPED RIPRAP
- EXISTING SOIL CEMENT

ARROYO CENTERLINE TANGENT TABLE		
T#	BEARING	LENGTH
T4	N70°17'45"W	137.37'
T5	N34°07'31W	70.16'
T6	S88°40'59"W	20.17'
T7	S71°44'43"W	166.42'
T8	S71°44'43"W	175.22'
T9	N79°28'48"W	27.86'

ARROYO CENTERLINE CURVE TABLE		
CURVE DATA C3 R=197' L=124' T=64' Δ=36°10'14"	CURVE DATA C4 R=103' L=103' T=56' Δ=57°11'30"	CURVE DATA C5 R=254' L=75' T=38' Δ=16°56'16"
CURVE DATA C6 R=346' L=147' T=89' Δ=28°46'29"		

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STATION 12+00 TO STATION 22+00

Design Review Committee: APPROVED DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 545383 | Zone Map No. H-9-Z | Sheet 19 Of 19

WILSON & COMPANY