PUBLIC IMPROVEMENT PLANS

FOR

HERITAGE AT THE TRAILS UNIT 2

ALBUQUERQUE, NEW MEXICO

JULY 2004

2 3 4 5 6 7 8 9 10 11 12 13 14 15
06-713814-824 196

PREPARED FOR:
CENTEX HOMES
5120 MASTHEAD NE
ALBUQUERQUE, NM 87109

PREPARED BY:
ISAACSON & ARFMAN, P.A.
128 MONROE ST. NE
ALBUQUERQUE, NM 87108

INDEX TO DRAWINGS

SHEET NO.	TITLE
1	COVER SHEET
2–3	PLAT
4–6	GRADING & DRAINAGE PLAN
7	PERIMETER WALL PLAN
	PAVING PLAN & PROFILE SHEETS
8	MASTER PAVING & STORM DRAIN PLAN
9	PAVING DETAILS
10	HEARTHSTONE ROAD – STA 10+00.00 TO END
11	EDISON ROAD – STA 10+00.00 TO END
12	ALLEGIANCE STREET – STA 10+00.00 TO END
13	BATTLE CREEK STREET – STA 10+00.00 TO END
	UTILITY PLAN & PROFILE SHEETS
14	MASTER UTILITY PLAN
15	HEARTHSTONE ROAD – STA 10+00.00 TO END
16	EDISON ROAD – STA 9+50.00 TO END
17	ALLEGIANCE STREET – STA 10+00.00 TO END
18	BATTLE CREEK STREET – STA 10+00.00 TO END
19	OFFSITE UTILITIES – STA 10+00.00 TO END

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

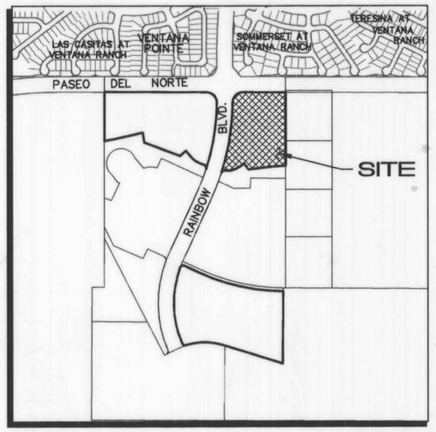
Russ P. Hugg
NMPS No. 9750
July 1, 20 04

PROFESSIONAL SURVEYOR STATE OF NEW MEXICO No. 9750 RUSS P. HUGG

RECORD DRAWINGS

I, Patrick J. Conley of the firm of Smith Engineering Company, 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 a qualified person under my direct supervision and has been constructed in general 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. The Certification is based on site inspections by me or personnel under my direction, and as-built survey information provided by Russ Hugg **(Surveyor Name) NMPS number** 9750 **(PS#).**

Engineer's Seal & Signature
PATRICK J. CONLEY NEW MEXICO 10141 REGISTERED PROFESSIONAL ENGINEER
7/13/05



C-9-Z 1"=750'±

VICINITY MAP

GENERAL NOTES

1. 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 AMENDED WITH UPDATE NO. 7.
2. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE & VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM DELAY.
4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, NM ONE CALL SYSTEMS, INC. @ 260-1990 FOR LOCATION OF EXISTING UTILITIES.
5. CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN A MANNER WHICH WILL MINIMIZE INTERFERENCE WITH LOCAL TRAFFIC. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS, AND ORDERS OF ANY PUBLIC BODY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OR PROPERTY, AND TO PROTECT THEM FROM DAMAGE, INJURY, OR LOSS. CONTRACTOR SHALL ERECT AND MAINTAIN, AS REQUIRED BY THE CONDITIONS AND PROGRESS OF THE WORK, ALL NECESSARY SAFEGUARDS FOR SAFETY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS, THROUGHOUT THE DURATION OF THE PROJECT. CONTRACTOR SHALL ADHERE TO SECTION 19 OF THE GENERAL CONDITIONS OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986, AS AMENDED WITH UPDATE NO. 7.
6. THE CONTRACTOR AGREES THAT HE SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER & ENGINEER FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
7. TRAFFIC CONTROL: 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. SEE SECTION 19 OF THE SPECIFICATIONS. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO LOCATION AS EXISTING OR AS SHOWN IN THIS PLAN SET.
8. WHEN ABUTTING EXISTING PAVEMENT TO NEW, SAWCUT EXISTING PAVEMENT TO A STRAIGHT EDGE AND AT A RIGHT ANGLE, OR AS APPROVED BY THE FIELD ENGINEER. REMOVAL OF BROKEN OR CRACKED PAVEMENT WILL ALSO BE REQUIRED.
9. EXISTING CURB AND GUTTER NOT TO BE REMOVED UNDER THE CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
10. ALL FINAL BACKFILL FOR TRENCHES SHALL BE COMPACTED TO A MINIMUM 90% MAXIMUM DENSITY PER ASTM D-1557 AND AS DIRECTED BY SECTION 701.14.2 AND STANDARD DRAWING NUMBER 2315.
11. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OR PRIVATE ROADWAY EASEMENTS SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET OR INTO ANY PUBLIC DRAINAGE FACILITY.
12. PROPOSED WATERLINE MATERIALS SHALL BE EITHER PVC PIPE MEETING AWWA C900 REQUIREMENTS (6"-12") OR DUCTILE IRON PIPE, THICKNESS CLASS 50 (6"-16").
13. FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION..
14. ALL FITTINGS ON WATERLINES SHALL HAVE RESTRAINED JOINTS AS NOTED ON THE PLANS.
15. CONTRACTOR SHALL SUPPORT ALL EXISTING, UNDERGROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATER-LINE AND/OR SEWERLINE COSTS.
16. CONTRACTOR SHALL ASSIST THE ENGINEER/INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE AND NEW MEXICO UTILITIES, INC. FOR THE PREPARATION OF RECORD DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
17. 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 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.
18. PNM WILL PROVIDE AT NO COST TO THE CITY OR THE CONTRACTOR THE REQUIRED PERSONNEL FOR INSPECTION OR OBSERVATION DEEMED NECESSARY BY PNM WHILE THE CONTRACTOR IS EXPOSING PNM'S CABLES. HOWEVER, THE CONTRACTOR SHALL BE CHARGED THE TOTAL COST ASSOCIATED WITH REPAIRS TO ANY DAMAGED CABLES OR FOR ANY COST ASSOCIATED WITH SUPPORTING OR RELOCATING THE POLES AND CABLES DURING CONSTRUCTION.
19. WARNING--EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION OF ANY SUCH EXISTING LINES IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANY, THE OWNER, OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES, IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.
20. ANY WORK OCCURRING WITHIN A FULLY DEVELOPED ARTERIAL ROADWAY REQUIRES 24 HR. CONSTRUCTION.
21. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE ACCOMPLISHED IN ACCORDANCE WITH OSHA 29CFR 1926.650 SUBPART P.
22. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
23. ALL UTILITY WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH NEW MEXICO UTILITIES, INC. SPECIFICATIONS FOR WATER AND WASTEWATER FACILITIES (MOST RECENT REVISIONS).
24. THE CONTRACTOR SHALL NOTIFY NEW MEXICO UTILITIES. (898-2661) THREE WORKING DAYS PRIOR TO BEGINNING THE CONSTRUCTION OF THE UTILITIES.

APPROVED AS RECORD DRAWINGS
DRB/CIN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
DATE 7/21/05

DRB NO. 1003353

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
1324B-CVR.DWGrfh 07/15/04

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

ENGINEERS STAMP & SIGNATURE
GENEVIEVE L. DONART NEW MEXICO 15088 LICENSED PROFESSIONAL ENGINEER 7/15/04

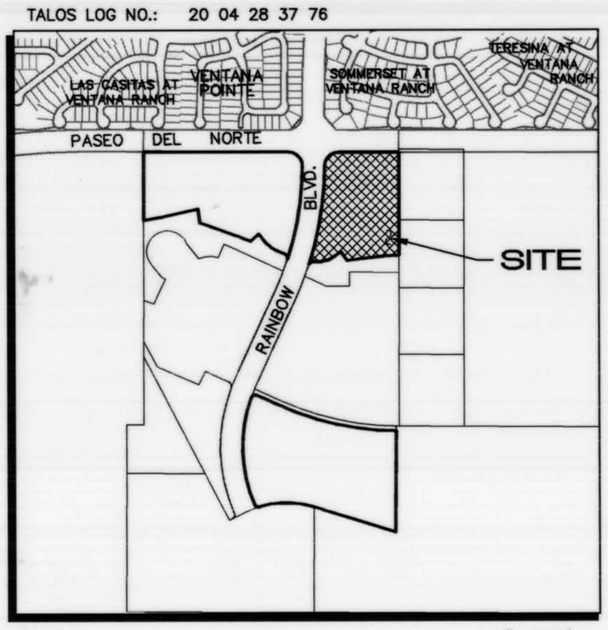
APPROVALS	ENGINEER	DATE
DRC Chairman		9-23-04
Transportation		9/30/04
Water/Wastewater		7/29/04
Hydrology		7/29/04
NMUI		7/16/04
Constr. Mngmt.		9-23-04
Constr. Coord.		9-23-04

City Project No. 738482

* * * * * * * * * * * * * * *
APPROVED FOR CONSTRUCTION
City Engineer 10-05-04 Date

Sheet 1 Of 19

TALOS LOG NO.: 20 04 28 37 76



C-9-Z 1"=750'±

VICINITY MAP

SUBDIVISION DATA / NOTES

1. Total Number of Existing Tracts: 1
2. Total Number of Lots created: 50
3. Total Number of Tracts created: 3
4. Gross Subdivision Acreage: 9.4494 Ac.
5. Total Mileage of Full Width Streets Created: 0.59
6. Bearings are New Mexico State Plane Grid Bearings (Central Zone).
7. Distances are ground distances.
8. Bearings and distances in parenthesis are record.
9. Basis of boundary are the following plats (and documents) of record entitled: PLAT OF "THE TRAILS (12-15-03, 03C-375)
10. Field Survey performed on March, 2003.
11. Title Report: None provided.
12. This property is apparently affected by reservations, restrictions and agreements contained within easements, documents and memorandums as listed within the above mentioned Title Report.
13. Basis of boundary is from the plats of record entitled:

    UNPLATTED LAND OF "VOLCANO SIX LIMITED"

    TRACT OS-1 OPEN SPACE

    TRACT OS-2 OPEN SPACE

    UNPLATTED LAND OF "THE ARCHDIOCESE OF SANTA FE"

    UNPLATTED LAND OF "PARADISE WEST INC."

    PLAT OF "THE TRAILS, TRACT D" (12-15-03, 03C-375)

    PLAT OF "THE TRAILS, TRACT J" (12-15-03, 03C-375)

    PLAT OF "THE TRAILS, TRACT G" (12-15-03, 03C-375)

    all being records of Bernalillo County, New Mexico.
14. Current Zoning; R-D.
15. These properties are within the New Mexico Utilities, Inc. (NMU, Inc.)franchise area, water and sanitary sewer system capabilities are based on the NMU, inc. facilities, not the City of Albuquerque.
16. Centerline (in lieu of R/W) monumentation to be installed at all centerline PC's, PT's, angle points and street intersections prior to acceptance of subdivision street improvements and will consist of a standard four-inch (4") aluminum alloy cap stamped "City of Albuquerque", "Centerline Monumentation", "Survey Marker", "Do Not Disturb", "PLS #7719".
16. All property corners to be set with 5/8" rebar with cap "ALS LS 7719".

ALDRICH LAND SURVEYING
P.O. BOX 30701, ALBQ., N.M. 87190
505-884-1990

1324BPT1.DWGrfh 07/26/04

LEGAL DESCRIPTION

A tract of land situate within the Town of Alameda Grant, projected Section 16, Township 11 North, Range 2 East, New Mexico Principal Meridian, City of Albuquerque, Bernalillo County, New Mexico being all of TRACT B, THE TRAILS as the same is shown and designated on said plat filed for record in the office of the County Clerk of Bernalillo County, New Mexico on December 15, 2003 in Book 2003C, Page 375 and containing 9.4494 acres more or less.

DISCLOSURE STATEMENT

The intent of this plat is to subdivide the subject tract into residential lots, to create 3 tracts, to dedicate public rights-of-way, to grant those easements necessary to serve the residential development, and to vacate easements.

FREE CONSENT AND DEDICATION

The subdivision shown hereon is with the free consent and in accordance with the desires of the undersigned Owner(s) and/or Proprietor(s) thereof and said Owner(s) and/or Proprietor(s) do hereby dedicate all streets and public rights-of-way shown hereon to the City of Albuquerque in fee simple with warranty covenants and do hereby grant: all access, utility and drainage easements shown hereon including the right to construct, operate, inspect, and maintain facilities therein; and all public utility easements shown hereon for the common and joint use of gas, electrical power and communication services for overhead and/or buried distribution lines, conduits, and pipes for underground and/or overhead utilities where shown or indicated, and including the right of ingress and egress for construction and maintenance, and the right to trim interfering trees and shrubs. Said Owner(s) and/or Proprietor(s) do hereby consent to all of the foregoing and do hereby certify that this subdivision is their free act and deed.

OWNER

HERITAGE AT THE TRAILS HOMEOWNERS ASSOCIATION

_____

RICHARD T. BRESSAN Date
PRESIDENT

ACKNOWLEDGMENT

STATE OF NEW MEXICO)
) SS
COUNTY OF BERNALILLO)

This instrument was acknowledged before me on _____, 2004, by Richard T. Bressan as President of Heritage at the Trails Homeowners Association, a New Mexico Non-Profit Corporation, on behalf of said Corporation.

My Commission Expires: _____

_____
Notary Public

OWNER

CENTEX HOMES

_____

NORMAN A. GREGORY Date
LAND DEVELOPMENT MANAGER

ACKNOWLEDGMENT

STATE OF NEW MEXICO)
) SS
COUNTY OF BERNALILLO)

This instrument was acknowledged before me on _____, 2004, by Norman A. Gregory as Land Development Manager of Centex Homes, a Nevada General Partnership, on behalf of said General Partnership.

My Commission Expires: _____

_____
Notary Public

PLAT FOR HERITAGE AT THE TRAILS SUBDIVISION UNIT 2

BEING A REPLAT OF
TRACT B, THE TRAILS
WITHIN THE TOWN OF ALAMEDA GRANT
PROJECTED SECTION 16,
T. 11 N., R. 2 E., NMPM
CITY OF ALBUQUERQUE,
BERNALILLO COUNTY, NEW MEXICO
AUGUST 2004

APPROVALS

DRB PROJECT NO. 1003353
APPLICATION NO. .
Utility Approvals

PNM ELECTRIC SERVICES DIVISION	DATE
PNM GAS SERVICES DIVISION	DATE
QWEST	DATE
COMCAST	DATE
NEW MEXICO UTILITIES	DATE
City Approvals	
CITY SURVEYOR	DATE
REAL PROPERTY DIVISION	DATE
ENVIRONMENTAL HEALTH DEPARTMENT	DATE
TRAFFIC ENGINEERING, TRANSPORTATION DIVISION	DATE
UTILITIES DEVELOPMENT	DATE
PARKS AND RECREATION DEPARTMENT	DATE
AMAFCA	DATE
CITY ENGINEER	DATE
DRB CHAIRPERSON, PLANNING DEPARTMENT	DATE

SURVEYOR'S CERTIFICATION

"I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that this plat and description were prepared by me or under my supervision, shows all easements as shown on the plat of record or made known to me by the owners and/or proprietors of the subdivision shown hereon, utility companies and other parties expressing an interest and meets the minimum requirements for monumentation and surveys of the Albuquerque Subdivision Ordinance, and further meets the Minimum Standards for Land Surveying in the State of New Mexico (Effective November 1, 1989 and revisions effective December 25, 1991, February 2, 1994 and October 2000), and is true and correct to the best of my knowledge and belief".

_____
Timothy Aldrich, P.S. No. 7719 Date

NOTES:

1. SEE SHEET 3 FOR CURVE AND LINE TABLES.
2. SEE SHEET 3 FOR EASEMENT NOTES.
3. DISTANCES IN BRACKETS ARE ℄ MONUMENT DISTANCES.

FOR INFORMATION ONLY

LEGEND

- FOUND 5/8" REBAR WITH CAP "LS 5978" (Typ.)
- SET 5/8" REBAR WITH CAP "ALS LS 7719" (TYP.)
- PROPERTY LINE
- ADJOINING PROPERTY LINE
- CENTERLINE MONUMENT

SCALE: 1"=60'

60 40 20 0 60 120 FEET

738482

PLAT FOR
HERITAGE AT THE TRAILS SUBDIVISION UNIT 2

BEING A REPLAT OF
TRACT B, THE TRAILS
WITHIN THE TOWN OF ALAMEDA GRANT
PROJECTED SECTION 16,
T. 11 N., R. 2 E., NMPM
CITY OF ALBUQUERQUE,
BERNALILLO COUNTY, NEW MEXICO
AUGUST 2004

BOUNDARY CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	100.00	156.70	99.62	141.15	S 45°17'41" W	89°46'49"
C2	203.00	155.84	81.99	152.04	N 74°22'22" E	43°59'05"
C3	632.00	5.55	2.78	5.55	S 81°35'59" E	0°30'11"
C4	30.00	42.07	25.33	38.71	S 57°58'08" W	80°21'23"
C5	2328.00	706.41	355.94	703.70	N 09°05'45" E	17°23'09"
C6	100.00	22.49	11.29	22.44	S 83°44'33" W	12°53'06"
C7	25.00	40.43	26.19	36.17	N 43°29'03" W	92°39'31"
C8	100.00	134.21	79.39	124.36	S 38°51'08" W	76°53'44"
C9	2328.00	40.00	20.00	40.00	N 01°01'40" E	0°59'04"
C10	2328.00	55.92	27.96	55.92	N 02°12'30" E	1°22'35"
C11	2328.00	50.09	25.04	50.08	N 03°30'46" E	1°13'58"
C12	2328.00	50.16	25.08	50.16	N 04°44'47" E	1°14'04"
C13	2328.00	55.29	27.65	55.29	N 06°02'39" E	1°21'39"
C14	2328.00	50.39	25.20	50.39	N 07°20'40" E	1°14'25"
C15	2328.00	50.54	25.27	50.54	N 08°35'12" E	1°14'38"
C16	2328.00	50.72	25.36	50.72	N 09°49'58" E	1°14'54"
C17	2328.00	59.40	29.70	59.39	N 11°11'16" E	1°27'43"
C18	2328.00	46.69	23.35	46.69	N 12°29'36" E	1°08'57"
C19	2328.00	62.56	31.28	62.56	N 13°50'16" E	1°32'23"
C20	173.00	2.82	1.41	2.82	S 02°22'40" W	0°56'06"
C21	173.00	44.55	22.40	44.43	S 05°28'00" E	14°45'15"
C22	173.00	26.12	13.08	26.09	S 17°10'08" E	8°39'01"
C23	25.00	37.00	22.83	33.72	N 20°54'23" E	84°48'04"
C24	135.00	57.39	29.14	56.96	N 75°29'12" E	24°21'33"
C25	30.00	55.99	40.50	48.21	S 38°51'47" E	106°56'29"
C26	157.00	79.55	40.65	78.70	S 66°53'47" W	29°01'53"
C27	157.00	5.03	2.51	5.02	S 82°19'45" W	1°50'02"
C28	127.00	9.67	4.84	9.66	S 85°25'36" W	4°21'40"
C29	127.00	5.52	2.76	5.52	S 88°51'12" W	2°29'32"
C30	25.00	38.11	23.87	34.53	S 46°30'57" W	87°20'29"
C31	25.00	39.27	25.00	35.36	N 44°48'48" W	90°00'00"
C32	25.00	36.24	22.14	33.15	N 41°42'59" E	83°03'33"
C33	203.00	41.63	20.89	41.56	S 77°22'15" W	11°45'00"
C34	25.00	39.54	25.27	35.55	S 63°11'43" E	90°37'04"
C35	127.00	45.95	23.23	45.70	S 07°31'14" E	20°43'53"
C36	25.00	39.27	25.00	35.36	S 45°11'12" W	90°00'00"
C37	173.00	20.69	10.36	20.68	S 86°40'22" W	6°51'13"
C38	25.00	42.30	28.23	37.43	S 48°17'01" E	96°56'27"
C39	150.00	89.61	46.19	88.28	S 14°16'07" E	34°13'40"
C40	169.00	134.24	70.89	130.74	N 81°22'23" E	45°30'39"
C41	180.00	77.37	39.29	76.78	S 70°55'55" W	24°37'42"
C42	150.00	17.94	8.98	17.93	S 86°40'22" W	6°51'13"
C43	2328.00	68.58	34.29	68.57	N 15°27'05" E	1°41'16"
C44	2328.00	60.68	30.34	60.68	N 17°02'31" E	1°29'36"
C45	2328.00	5.39	2.69	5.39	N 00°28'09" E	0°07'57"
C46	157.00	84.58	43.34	83.56	S 67°48'48" W	30°51'55"
C47	127.00	15.19	7.60	15.18	S 86°40'22" W	6°51'13"
C48	173.00	73.49	37.31	72.94	S 09°19'28" E	24°20'22"

LINE TABLE		
LINE	BEARING	DISTANCE
L1	S 52°22'50" W	48.21
L2	N 89°48'48" W	57.00
L3	N 08°50'35" W	99.46
L4	N 00°11'12" E	40.00
L5	N 52°23'36" E	33.41
L6	S 86°05'49" W	19.72
L7	N 02°50'43" E	9.98
L8	S 83°14'46" W	1.56
L9	S 31°22'56" E	18.46
L10	S 89°54'01" E	55.47
L11	N 75°52'18" W	1.83
L12	N 89°48'48" W	30.20
L13	S 89°48'48" E	23.10

LOT AREA TABLE	
LOT	AREA (SF)
1	9537
2	8885
3	6995
4	6180
5	5899
6	5674
7	6047
8	5379
9	5325
10	5800
11	7126
12	5250
13	5250
14	5250
15	5250
16	5250
17	5250
18	5250
19	5574
20	6170
21	5784
22	5788
23	5266
24	5270
25	5801
26	5278
27	5808
28	5780
29	5359
30	5784
31	5249
32	5249
33	5249
34	8191
35	8408
36	7080
37	6314
38	6198
39	6082
40	6556
41	6416
42	6705
43	6487
44	6057
45	6057
46	5506
47	5506
48	5506
49	7052
50	8448
TRACT A	3596
TRACT B	1600
TRACT C	2284

EASEMENT NOTES ◇

A. TRACT C SHALL BE COVERED BY A PUBLIC PEDESTRAIN ACCESS EASEMENT TO BE GRANTED TO THE CITY OF ALBUQUERQUE BY THIS PLAT AND MAINTAINED BY THE HOMEOWNERS' ASSOCIATION OF HERITAGE AT THE TRAILS.

B. TRACT C SHALL BE COVERED BY A PUBLIC DRAINAGE EASEMENT TO BE GRANTED TO THE CITY OF ALBUQUERQUE AND A PUBLIC SANITARY SEWER EASEMENT TO BE GRANTED TO THE CITY OF ALBUQUERQUE AND NEW MEXICO UTILITIES, INC. BY THIS PLAT.

C. 10' WIDE PUBLIC UTILITY EASEMENT (P.U.E.) TO BE GRANTED BY THIS PLAT.

D. TRACT A SHALL BE COVERED BY A PRIVATE LANDSCAPING EASEMENT AND SHALL BE GRANTED BY THIS PLAT TO AND MAINTAINED BY THE TRAILS COMMUNITY ASSOCIATION.

E. TRACT B & C SHALL BE COVERED BY A PRIVATE LANDSCAPING EASEMENT AND SHALL BE GRANTED TO AND MAINTAINED BY THE HOMEOWNERS' ASSOCIATION OF HERITAGE AT THE TRAILSBY THIS PLAT.

F. EXISTING BLANKET PUBLIC ACCESS, DRAINAGE, WATER, AND SANITARY SEWER EASEMENT (12-15-03, BK. 2003C, PG. 375) VACATED BY THIS PLAT (APPL. #)

OWNER

TRAILS COMMUNITY ASSOCIATION, INC

_____

TRACY MURPHY Date
PRESIDENT

ACKNOWLEDGMENT

STATE OF NEW MEXICO)
) SS
COUNTY OF BERNALILLO)

This instrument was acknowledged before me on _____, 2004, by Tracy Murphy as President of Trails Community Association, INC., a New Mexico Non-Profit Corporation, on behalf of said Corporation.

My Commission Expires: _____

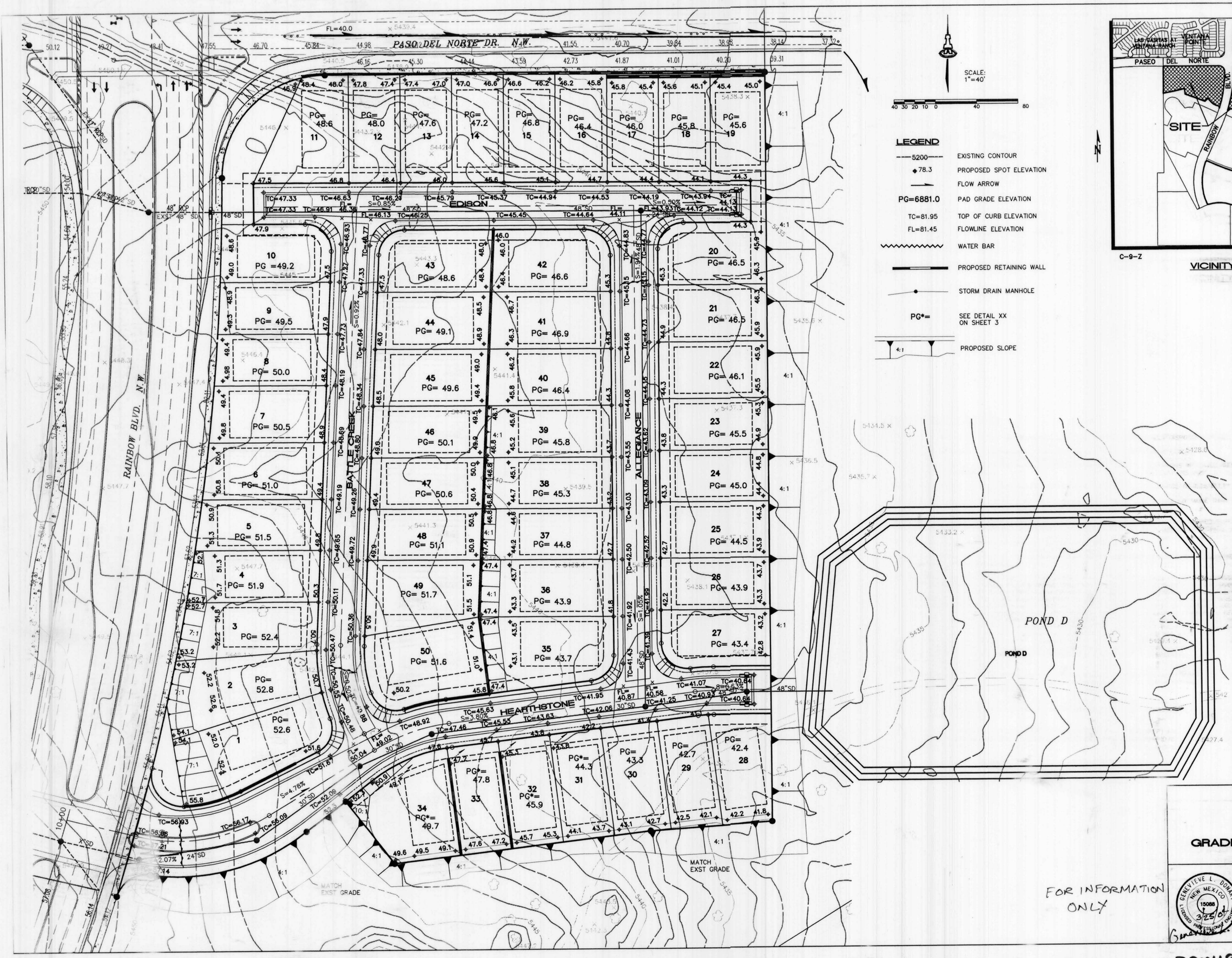
_____
Notary Public

FOR INFORMATION ONLY

738482

SHEET 3 OF 19

1324BPT1.DWGrfh 07/26/04



FOR INFORMATION ONLY

HERITAGE AT THE TRAILS UNIT 2

GRADING & DRAINAGE PLAN

GENEVIEVE L. DONART NEW MEXICO 15086 LICENSED PROFESSIONAL ENGINEER 3/25/04

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico

1324B-GRD.DWG 03/19/04

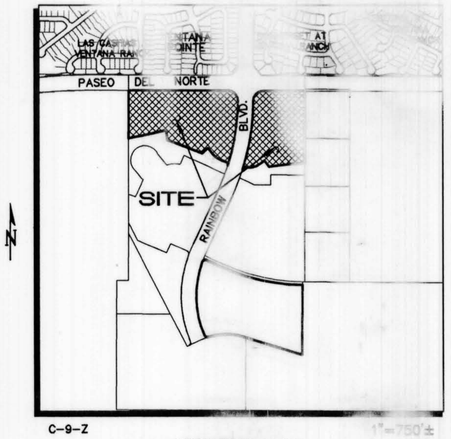
SHEET 1 OF 3

SHEET 4 OF 19

738482

LEGEND

5200	EXISTING CONTOUR
52	PROPOSED CONTOUR
◆78.3	PROPOSED SPOT ELEVATION
→	FLOW ARROW
PG=6881.0	PAD GRADE ELEVATION
	SIDEWALK CULVERT
TC=81.95 / FL=81.45	TOP OF CURB / FLOWLINE ELEVATION
	WATER BAR
	PROPOSED RETAINING WALL
TW=52.0 / BW=50.0	TOP OF RETAINING WALL / BOTTOM OF RETAINING WALL ELEVATION
INV=72.5	INVERT ELEVATION
	STORM DRAIN MANHOLE



VICINITY MAP

GRADING NOTES:

1. ALL TRASH, DEBRIS, & SURFACE VEGETATION SHALL BE CLEARED AND LEGALLY DISPOSED OFFSITE.
2. ALL SUBGRADE AND FILL SHALL BE COMPACTED TO A MINIMUM OF 90% ASTM D-1557.
3. EXCAVATION IS UNCLASSIFIED AND INCLUDES EXCAVATION TO SUBGRADE ELEVATIONS INDICATED, REGARDLESS OF CHARACTER OF MATERIALS ENCOUNTERED.
4. CONFORM TO ELEVATIONS AND DIMENSIONS SHOWN ON PLANS WITHIN A TOLERANCE OF 0.3± FEET.
5. SCARIFY AND COMPACT SUBGRADE FOR FILLS. PLACE FILL MATERIALS IN LAYERS NOT MORE THAN 8" IN LOOSE DEPTH. MOISTEN AS NECESSARY TO PROVIDE OPTIMUM MOISTURE (±2%) CONTENT.
6. UNIFORMLY GRADE AREAS WITHIN LIMITS OF GRADING AS SHOWN ON PLAN. SMOOTH FINISHED SURFACE WITHIN SPECIFIED TOLERANCE, COMPACT WITH UNIFORM SLOPES BETWEEN POINTS WHERE ELEVATIONS ARE INDICATED.
7. MAXIMUM SLOPES SHALL BE 3:1 MINIMUM SLOPES SHALL BE 1%.
8. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
9. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATIONS IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
10. OWNER WILL PROVIDE SOIL TESTING AND INSPECTION SERVICES DURING EARTHWORK OPERATIONS. CONTRACTOR SHALL ALLOW TESTING SERVICE TO INSPECT AND APPROVE COMPACTED SUBGRADES AND FILL LAYERS BEFORE FURTHER CONSTRUCTION WORK IS DONE. SHOULD COMPACTION TESTS INDICATE INADEQUATE DENSITY, CONTRACTOR SHALL PROVIDE ADDITIONAL COMPACTION AND TESTING AT NO ADDITIONAL EXPENSE.
11. OWNER HAS ESTABLISHED SUBDIVISION BOUNDARY CORNERS. CONTRACTOR SHALL PROVIDE ALL OTHER CONSTRUCTION STAKING INCLUDING TRACT CORNERS. CONTRACTOR SHALL LOCATE AND PRESERVE ALL BOUNDARY CORNERS AND REPLACE ANY LOST OR DISTURBED CORNERS.
12. OWNER WILL PROVIDE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND INSPECTION. CONTRACTOR SHALL COMPLY WITH THE BEST MANAGEMENT PRACTICES (BMP'S) AS SPECIFIED IN THE SWPPP, AND WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

FOR INFORMATION ONLY

HERITAGE AT
THE TRAILS - UNIT 2
GRADING & DRAINAGE PLAN
RETAINING WALLS

GENEVIEVE L. DONAHUE NEW MEXICO 15009 REGISTERED PROFESSIONAL ENGINEER
3/25/04

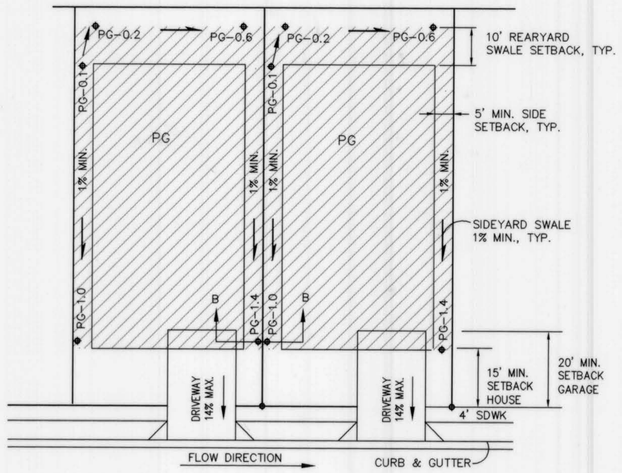
ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico

1324B-GRD.DWG 03/23/04

SHEET 2 OF 3

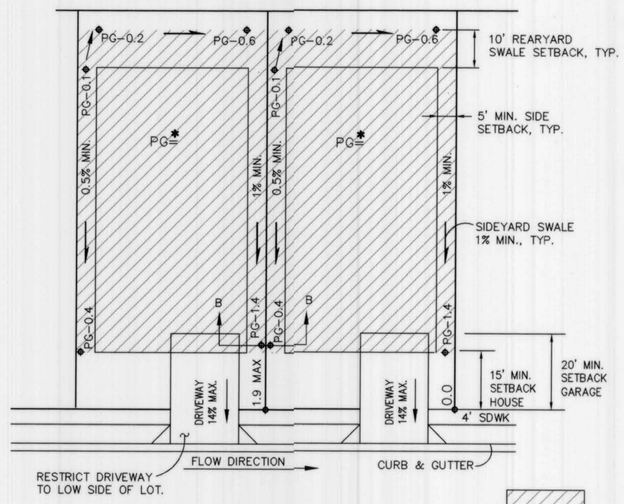
738482

SHEET 5 OF 19



COMPACTION ZONE--CONTRACTOR SHALL COMPACT SOILS IN THIS AREA TO A MINIMUM OF 95% COMPACTION PER ASTM D698, FOR A DEPTH OF 12 INCHES.

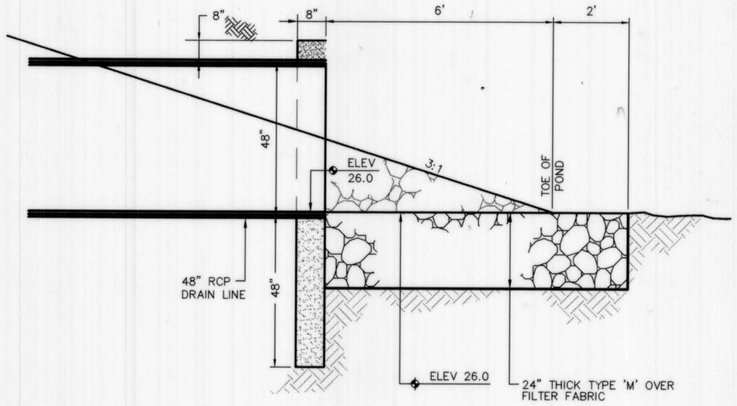
TYPICAL LOT GRADING
SCALE: 1"=20'



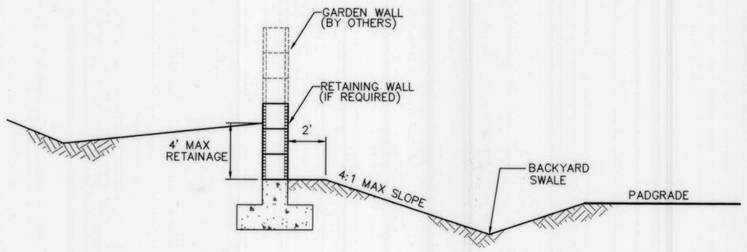
AN ASTERISK (*) NOTED BY THE LOT NUMBER ON THE PLANS INDICATES THAT THE DRIVEWAY IS TO BE PLACED ON THE LOW SIDE OF THE LOT.

COMPACTION ZONE--CONTRACTOR SHALL COMPACT SOILS IN THIS AREA TO A MINIMUM OF 95% COMPACTION PER ASTM D698, FOR A DEPTH OF 12 INCHES.

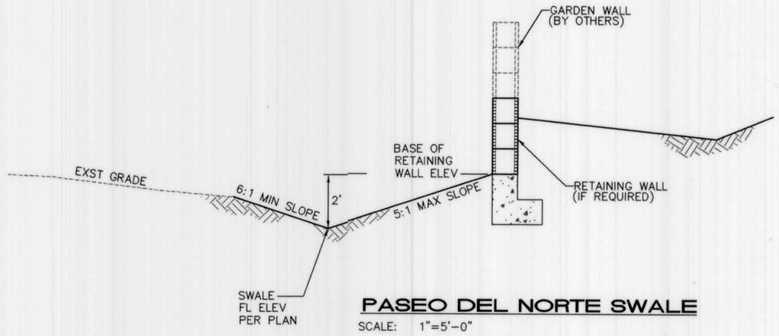
LOT GRADING FOR LOTS 31. THROUGH 34
SCALE: 1"=20'



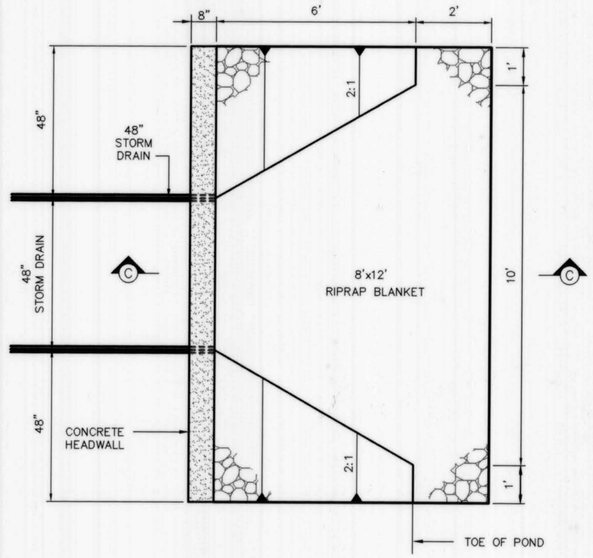
SECTION C-C ~ STORM DRAIN OUTLET
SCALE: 1"=2'-0"



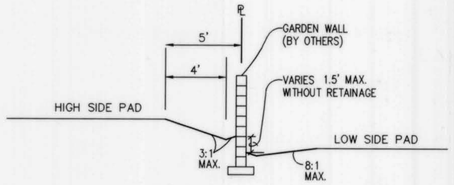
TYPICAL BACKYARD SLOPE
SCALE: 1"=5'-0"



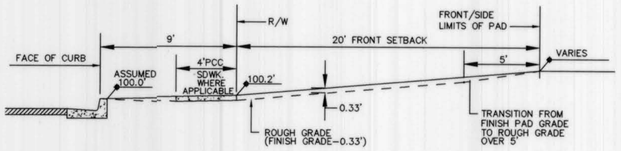
PASEO DEL NORTE SWALE
SCALE: 1"=5'-0"



STORM DRAIN OUTLET
SCALE: 1"=2'-0"



SECTION B-B
TYPICAL SIDEYARD GRADING
SCALE: 1"=5'



TYPICAL FRONT/SIDE YARD GRADING
SCALE: 1"=5'-0"

AS-BUILT INFORMATION

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

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

ACS MONUMENT "2-B-10" LOCATED 1 MI.± WEST OF PARADISE BLVD. AND LA PAZ.
ELEVATION: 5429.35 (NGVD 1929)

SURVEY INFORMATION

FIELD NOTES

1.	ALDRICH SURVEYING	04/03

ENGINEER'S SEAL

GENEVIEVE L. DONART NEW MEXICO 15088 LICENSED PROFESSIONAL ENGINEER 7/20/04

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY	GLD	DATE 03/04
DRAWN BY	RFH	DATE 03/04
CHECKED BY	GLD	DATE 03/04

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
1324BGRD.DWGrfh 07/09/04

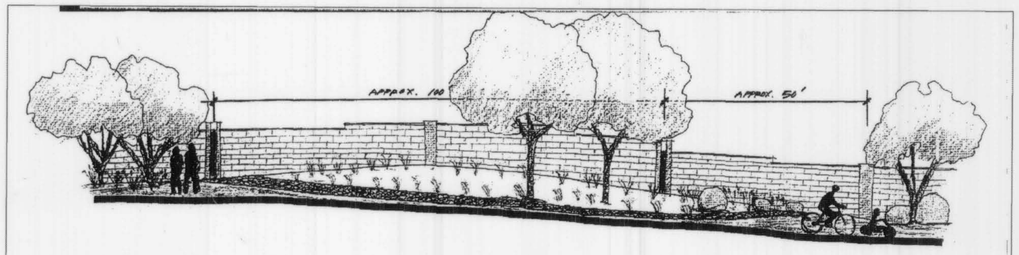
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: HERITAGE AT THE TRAILS UNIT 2
GRADING DETAILS

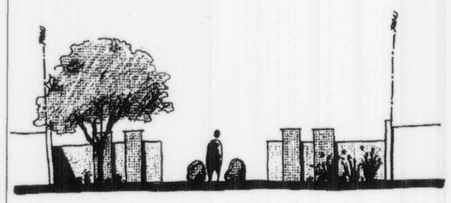
Design Review Committee | City Engineer Approval | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

For Information Only

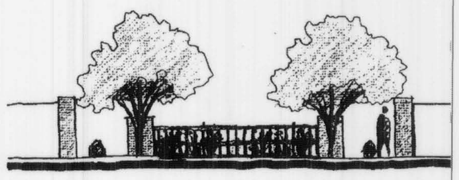
City Project No. 738482 | Zone Map No. C-9-Z | Sheet 6 Of 19



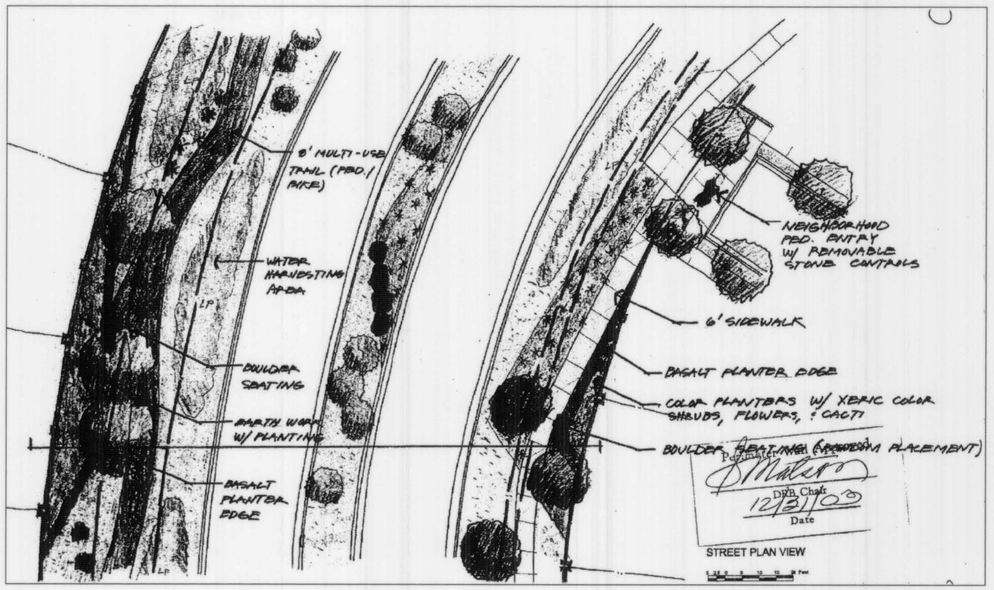
RAINBOW BOULEVARD - WEST EDGE
CONCEPTUAL LANDSCAPE AND WALL DESIGN
(NTS)



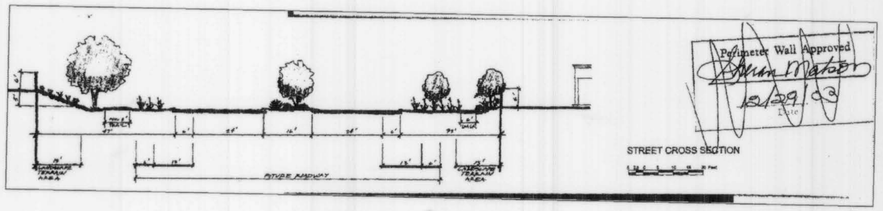
PEDESTRIAN OPENING ELEVATION alternative A



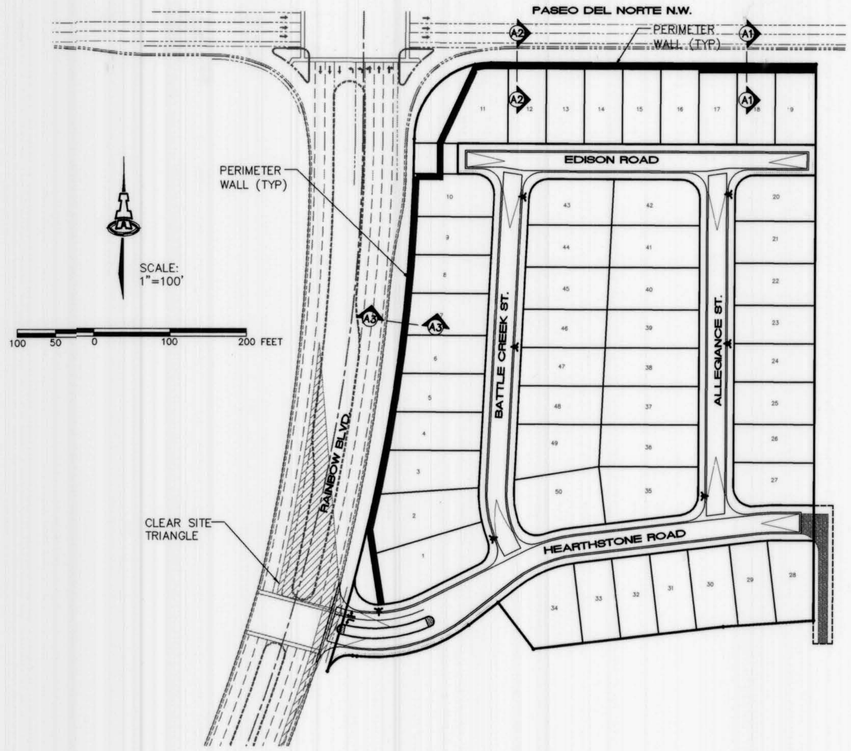
PEDESTRIAN OPENING ELEVATION alternative B

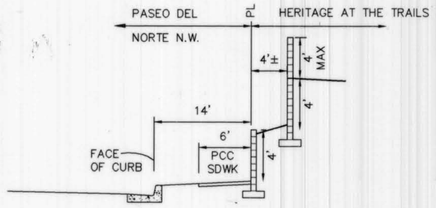


STREET PLAN VIEW

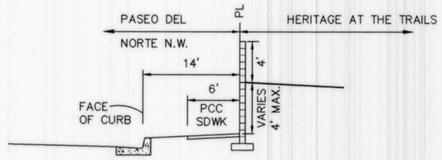


STREET CROSS SECTION

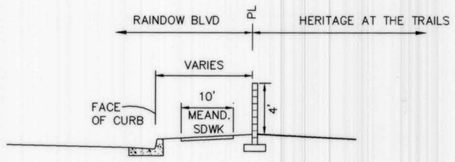




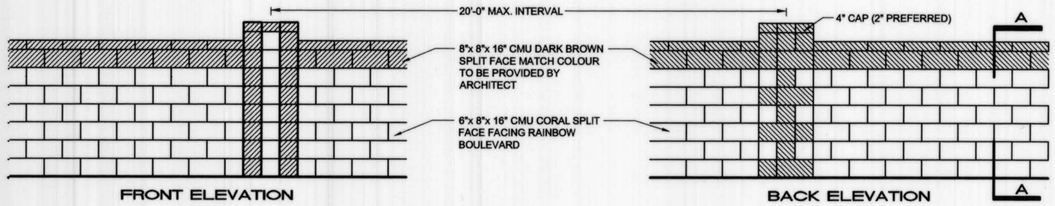
SECTION A1-A1
DOUBLE WALL NTS



SECTION A2-A2
SINGLE WALL NTS

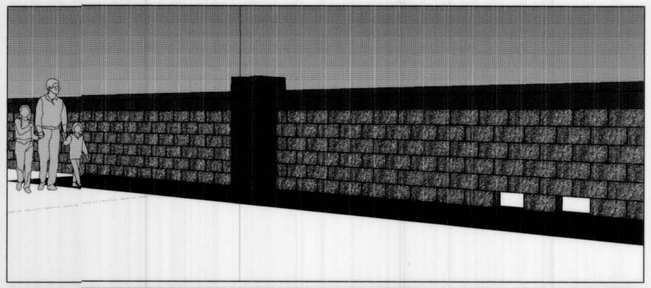


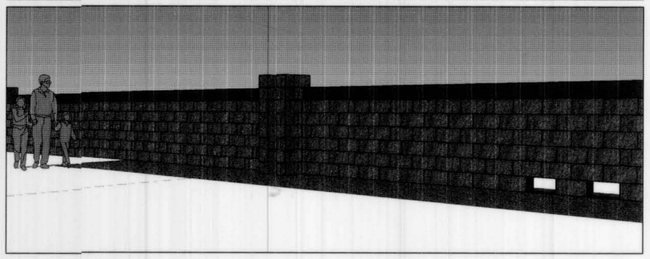
SECTION A3-A3
SINGLE WALL NTS

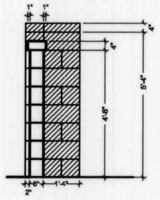


FRONT ELEVATION

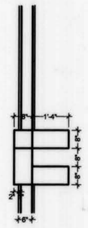
BACK ELEVATION







SECTION A-A



PLAN

ZONE ATLAS #: C-9
NEAREST INTERSECTION:
PASEO DEL NORTE & RAINBOW
DRB PROJECT #: 1003354

HERITAGE AT THE TRAILS
UNIT 2

PERIMETER WALL PLAN

GENEVIEVE L. DONAR
NEW MEXICO
15088
1/26/04
LICENSED PROFESSIONAL ENGINEER

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico

1324B-PERIMWALL.DWGrfh | 07/09/04

SHEET 7 OF 19

738482

NOTE:
ALL IMPROVEMENTS IN RAINBOW BLVD. WILL BE BUILT BY CPN #730081, (THE TRAILS OFFSITE IMPROVEMENTS).

PASEO DEL NORTE DR. N.W.

EDISON ROAD

BATTLE CREEK STREET

ALLEGIANCE STREET

HEARTHSTONE ROAD

RAINBOW BLVD. N.W.

NATIONWIDE STREET

UNPLATTED LAND OF THE ARCHDIOCESE OF SANTA FE

UNPLATTED LAND OF PARADISE WEST INC.

Blanket Drainage Easement
2004099008
Bk-A80 Pg-8750
07-15-2004

OS-2
OPEN SPACE
2.0903 AC.
FILED: DECEMBER 15, 2003
(Bk-2003C, Pg-375)

SCALE: 1"=40'

LEGEND

- EXISTING STREET IMPROVEMENTS
- PROPOSED STREET IMPROVEMENTS
- FUTURE STREET IMPROVEMENTS
- CROWN TO NO CROWN TRANSITION PER COA STD DWG #2401
- WHEEL CHAIR RAMP
- VALLEY GUTTER
- BLOCK NO.
- LOT NO.
- PROPOSED STREET LIGHT
- STORM DRAIN CATCH BASIN
- STORM DRAIN MANHOLE
- DEFERRED SIDEWALK
- WATER BAR
- TYPE III BARRICADE
- SIGHT DISTANCE TRIANGLE (13' x 200')

AS-BUILT INFORMATION

CONTRACTOR		
WORK STAKED BY		DATE
INSPECTOR'S FIELD CHANGE BY		DATE
FIELD VERIFICATION BY		DATE
DRAWINGS CORRECTED BY		DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS MONUMENT "2-B-10" LOCATED 1 MI.± WEST OF PARADISE BLVD. AND LA PAZ.
ELEVATION: 5429.35 (NGVD 1929)

SURVEY INFORMATION

FIELD NOTES

1. ALDRICH SURVEYING 04/03

ENGINEER'S SEAL

GENEVIEVE L. DOMART NEW MEXICO 15088 LICENSED PROFESSIONAL ENGINEER 7/26/04

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN		
DESIGNED BY	GLD	DATE 03/04
DRAWN BY	RFH	DATE 03/04
CHECKED BY	GLD	DATE 03/04

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
1324B-PMSTR.DWGrfh 07/12/04

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

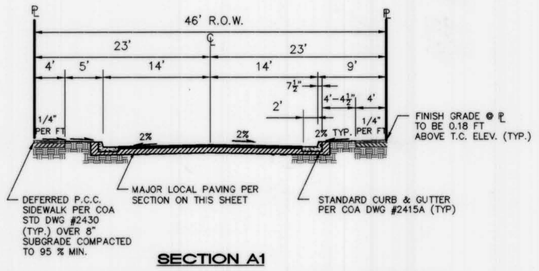
TITLE: HERITAGE AT THE TRAILS UNIT 2
MASTER PAVING PLAN

Design Review Committee: APPROVED SEP 23 2004 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED OCT - 4 2004 CITY ENGINEER

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

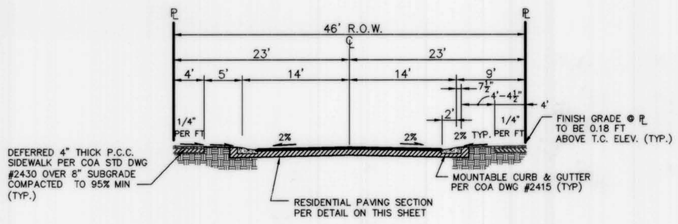
City Project No.	Zone Map No.	Sheet	Of
738482	C-9-Z	8	19



SECTION A1

TYPICAL 46' R.O.W. RESIDENTIAL STREET SECTION

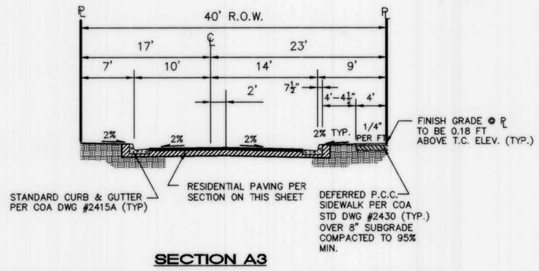
1"=10'



SECTION A2

TYPICAL 46' R.O.W. RESIDENTIAL STREET SECTION

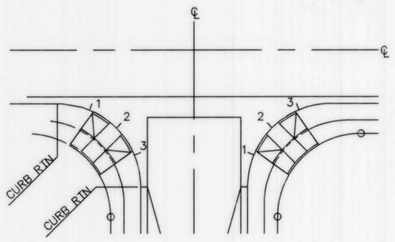
1"=10'



SECTION A3

TYPICAL 40' R.O.W. RESIDENTIAL STREET SECTION

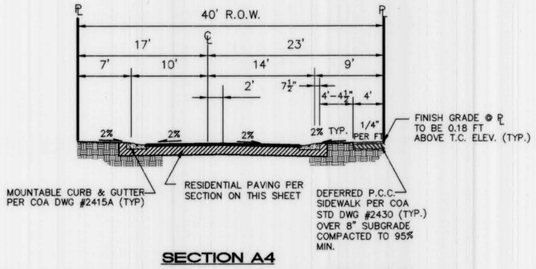
1"=10'



NOTE:
QUARTER POINT GRADES ARE REFERENCED AS 1, 2 & 3 ALONG THE FACE OF CURB IN A CLOCKWISE DIRECTION.

QUARTER POINT DETAIL

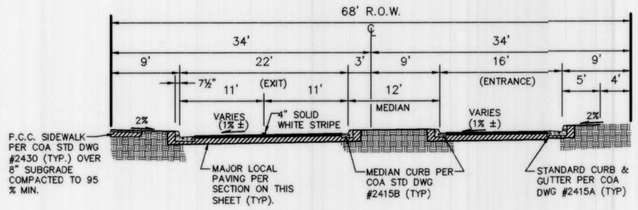
NTS



SECTION A4

TYPICAL 40' R.O.W. RESIDENTIAL STREET SECTION

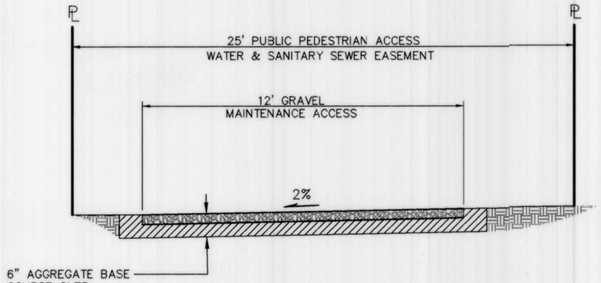
1"=10'



SECTION A5

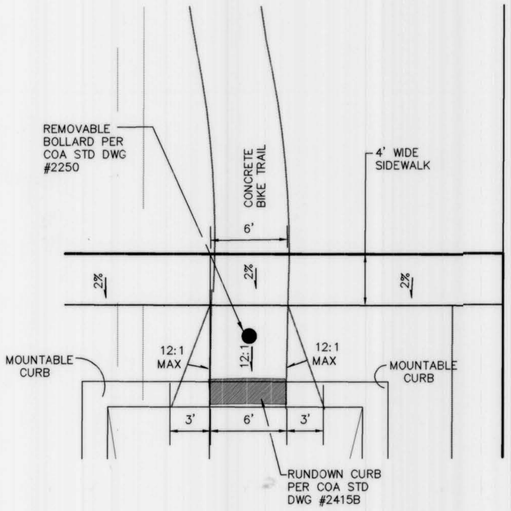
68' R.O.W. ENTRANCE STREET SECTION

1"=10'



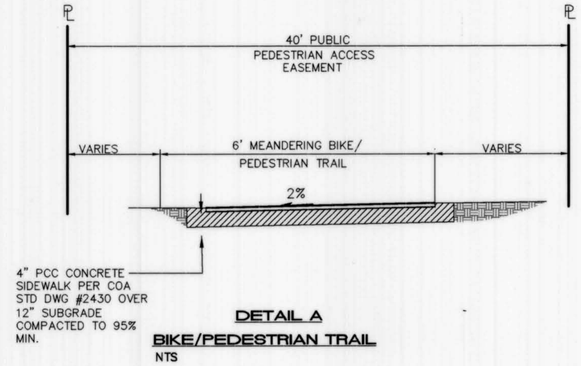
SECTION A6

MAINTENANCE ACCESS



BIKE/PEDESTRIAN TRAIL RAMP DETAIL

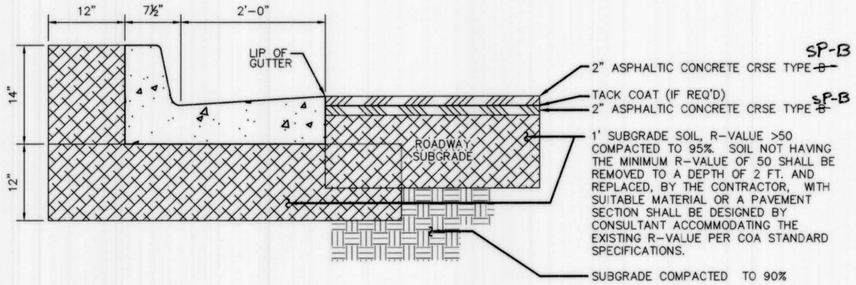
1"=6'



DETAIL A

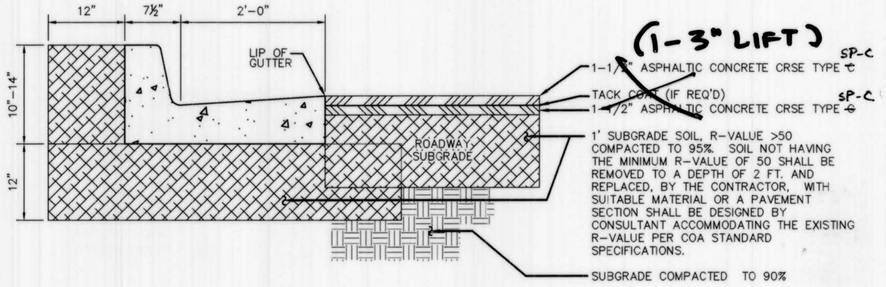
BIKE/PEDESTRIAN TRAIL

NTS



MAJOR LOCAL PAVING SECTION

SCALE: 1" = 1'-0"
(PER COA STD DWG # 2405B)



RESIDENTIAL PAVING SECTION

SCALE: 1" = 1'-0"
(PER COA STD DWG # 2405A)

NOTE:
ALL PAVING REQUIRED TO BE PER COA STANDARD SPECIFICATION UPDATE NO. 7.

AS-BUILT INFORMATION

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

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

ACS MONUMENT "2-B-10" LOCATED 1 MI. ± WEST OF PARADISE BLVD. AND LA PAZ.
ELEVATION: 5429.35 (NGVD 1929)

SURVEY INFORMATION

FIELD NOTES

1.	ALDRICH SURVEYING	04/03

ENGINEER'S SEAL

GENEVIEVE L. DONART NEW MEXICO 15088 LICENSED PROFESSIONAL ENGINEER 7/26/04

Genevieve L. Donart

NO.	DATE	REMARKS	BY

REVISIONS

		DATE
DESIGNED BY	GLD	03/04
DRAWN BY	RFH	03/04
CHECKED BY	GLD	03/04

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
1324B-PMSTR.DWGrfh 07/09/04

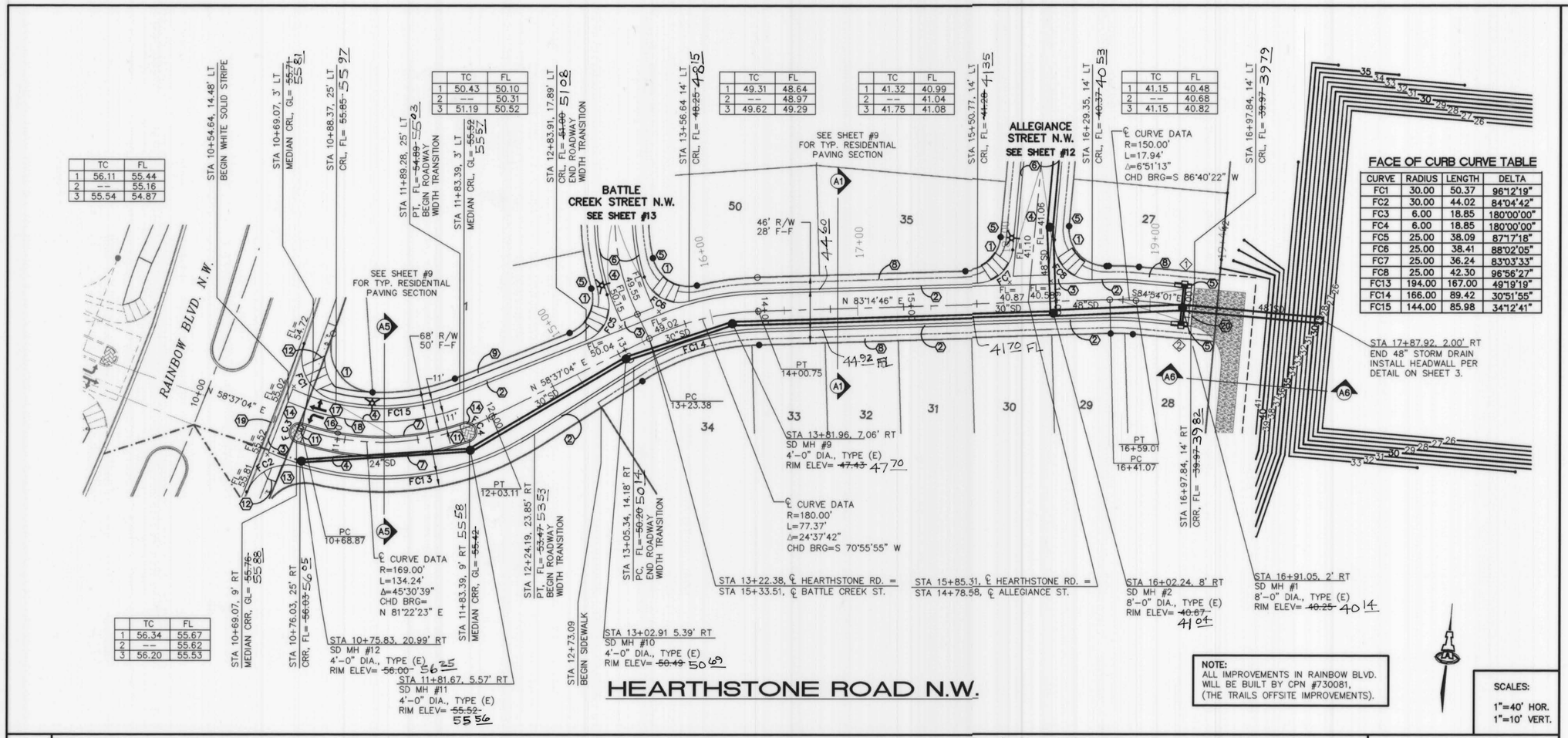
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: HERITAGE AT THE TRAILS UNIT 2

PAVING DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED SEP 23 2004 DESIGN REVIEW COMMITTEE	APPROVED OCT - 4 2004 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
738482	C-9-Z	9	19

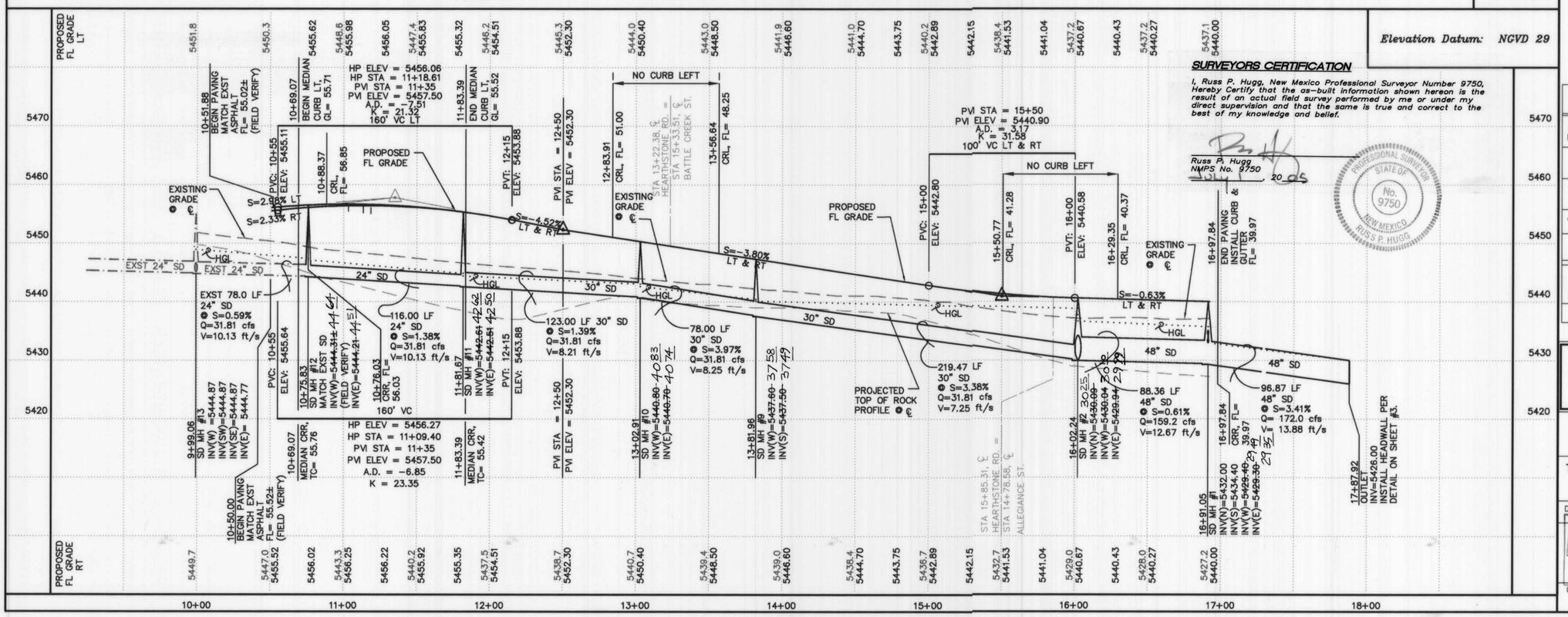


KEYED CONSTRUCTION NOTES

1. CONSTRUCT HANDICAP RAMP PER COA STD DWG #2441, CASE II WITH HEADER CURB.
2. STANDARD CURB & GUTTER PER COA STD DWG #2415A.
3. CONSTRUCT PCC VALLEY GUTTER 6' WIDE, 1 1/2" INVERT PER COA STD DWG #2420.
4. CROWN TO NO CROWN TRANSITION 50' MIN. LENGTH. PER COA STD DWG #2401.
5. TRANSITION FROM MOUNTABLE TO STANDARD CURB PER COA STD DWG #2418.
6. MOUNTABLE CURB & GUTTER PER COA STD DWG #2415A.
7. MEDIAN CURB & GUTTER PER COA STD DWG #2415B.
8. DEFERRED 4' WIDE PCC SIDEWALK PER COA STD DWG #2430.
9. CONSTRUCT 4' WIDE PCC SIDEWALK PER COA STD DWG #2430.
10. 6' WIDE CONCRETE BIKE TRAIL PER DETAIL SHEET #9.
11. PCC PATTERNED CONCRETE PER COA STD DWG #2408 TO 10' FROM MEDIAN NOSE.
12. REMOVE EXST SIDEWALK AS NEEDED. MATCH SIDEWALK TO BACK OF PROPOSED WHEELCHAIR RAMPS.
13. CONSTRUCT HANDICAP RAMP PER COA STD DWG #2426.
14. PAINT MEDIAN CURB AT NOSE WITH REFLECTIVE YELLOW PAINT.
15. CONSTRUCT RAMP PER BIKE/ PEDESTRIAN RAMP DETAIL ON SHEET 9.
16. THERMOPLASTIC MARKING – LEFT ONLY ARROW.
17. THERMOPLASTIC MARKING – THROUGH & RIGHT ARROW.
18. THERMOPLASTIC MARKING – SOLID WHITE STRIPE.
19. CAREFFULLY REMOVE 108.58 LF OF EXISTING GURB & GUTTER.
20. 10 LF MOUNTABLE CURB PER COA STD DWG #2415A. CENTERED ON THE R.O.W. CENTERLINE.

FACE OF CURB CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA
FC1	30.00	50.37	96°12'19"
FC2	30.00	44.02	84°04'42"
FC3	6.00	18.85	180°00'00"
FC4	6.00	18.85	180°00'00"
FC5	25.00	38.09	87°17'18"
FC6	25.00	38.41	88°02'05"
FC7	25.00	36.24	83°03'33"
FC8	25.00	42.30	96°56'27"
FC13	194.00	167.00	49°19'19"
FC14	166.00	89.42	30°51'55"
FC15	144.00	85.98	34°12'41"



SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
10-20-04

PROFESSIONAL SURVEYOR — STATE OF NEW MEXICO — No. 9750 — RUSS P. HUGG

STORM DRAIN INLET INFORMATION

INLET NO. ◇	INLET TYPE	STATION* & OFFSET	TOP GR. EL.	INV. OUT
1	TYPE A	9+99.50, 14' RT	39.78 39.66	32.80
2	TYPE A	9+99.50, 14' LT	39.78 39.71	36.00

*STATIONING IS TO MIDPOINT OF GRATE ● FACE OF CURB

CONNECTOR PIPE INFORMATION

FROM INLET NO. ◇	Q (CFS)	DIA. (IN)	LENGTH (FT)	SLOPE (FT/FT)
1	6.40	18"	15'	0.053
2	6.40	18"	11'	0.146

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
1324B-PV1DWGrth 07/26/04

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: HERITAGE AT THE TRAILS UNIT 2
HEARTHSTONE ROAD N.W.
STA 10+00.00 TO END
PAVING & STORM DRAIN PLAN & PROFILE

Design Review Committee: APPROVED OCT 23 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT - 4 2004 CITY ENGINEER
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No. 738482 | Zone Map No. C-9-Z | Sheet 10 Of 19

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY SURV TEK DATE 02/05
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY SURV TEK DATE 06/05
DRAWINGS CORRECTED BY SURV TEK DATE 06/05
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

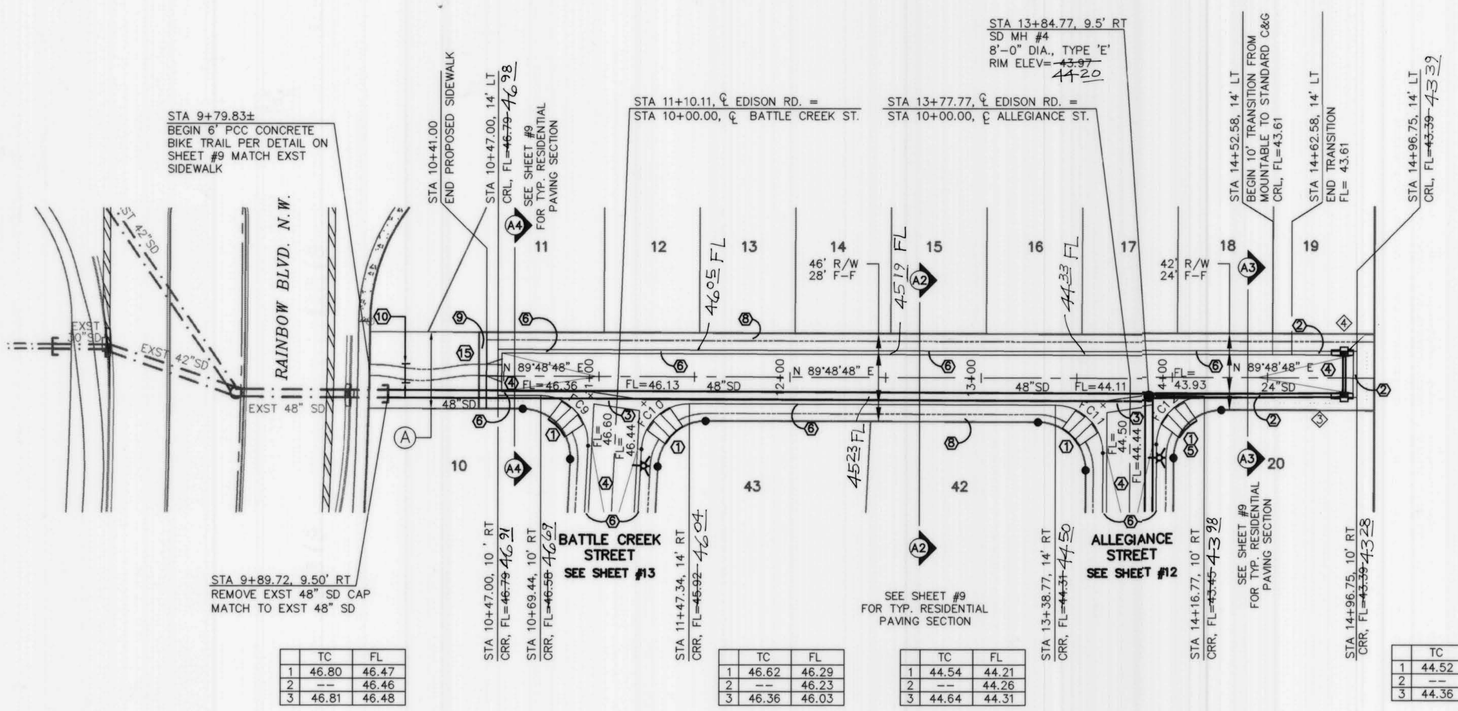
BENCH MARKS
ACS MONUMENT "2-B-10" LOCATED 1 MI.± WEST OF PARADISE BLVD. AND LA PAZ.
ELEVATION: 5429.35 (NGVD 1929)

SURVEY INFORMATION
FIELD NOTES
1. ALDRICH SURVEYING 04/03

ENGINEER'S SEAL
GENEVIEVE L. DONART — NEW MEXICO — 15088 — PROFESSIONAL ENGINEER

REVISIONS
NO. DATE REMARKS BY

DESIGN
DESIGNED BY GLD DATE 03/04
DRAWN BY RFH DATE 03/04
CHECKED BY GLD DATE 03/04



	TC	FL
1	46.80	46.47
2	--	46.46
3	46.81	46.48

	TC	FL
1	46.62	46.29
2	--	46.23
3	46.36	46.03

	TC	FL
1	44.54	44.21
2	--	44.26
3	44.64	44.31

	TC	FL
1	44.52	44.19
2	--	44.03
3	44.36	43.69

EDISON ROAD N.W.

EASEMENT DATA

(A) 42' PUBLIC SANITARY SEWER, DRAINAGE AND PEDESTRIAN ACCESS EASEMENT GRANTED BY FINAL PLAT.

FACE OF CURB CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA
FC9	25.00	40.43	92°39'31"
FC10	25.00	38.11	87°20'29"
FC11	25.00	39.27	90°00'00"
FC12	25.00	39.27	90°00'00"

SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NGVD 29

KEYED CONSTRUCTION NOTES ⬡

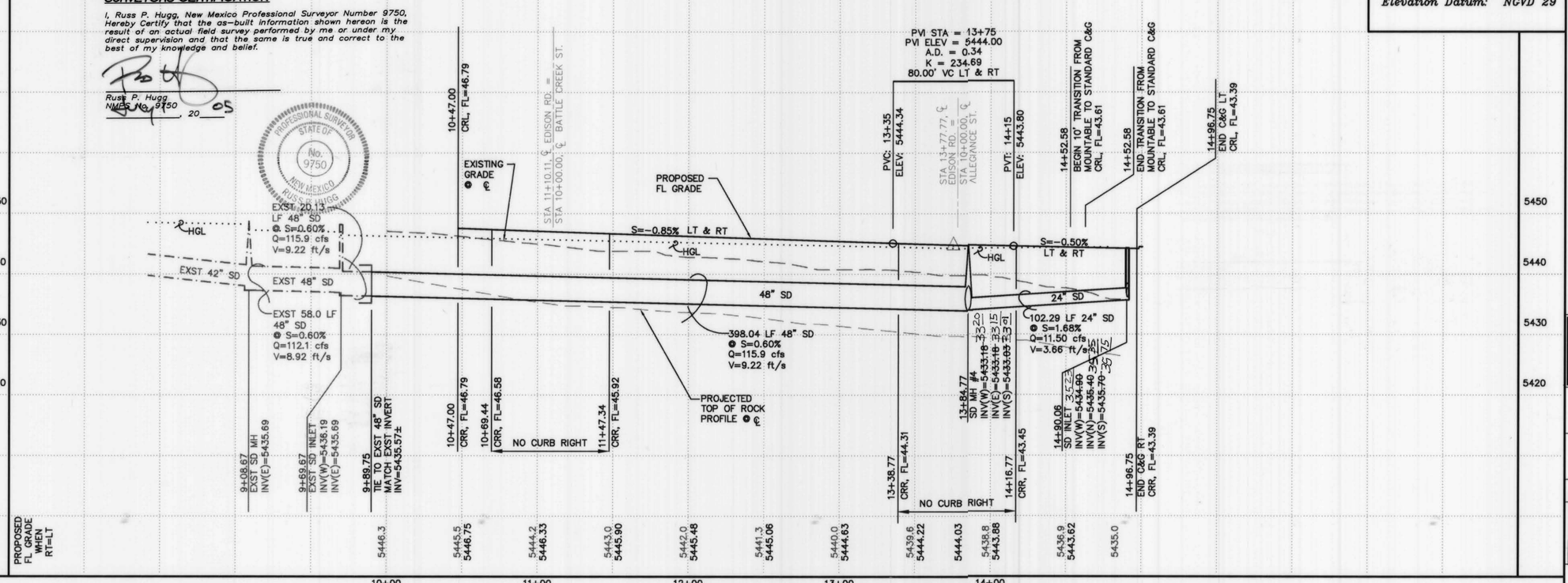
1. CONSTRUCT HANDICAP RAMP PER COA STD DWG #2441, CASE II WITH HEADER CURB.
2. STANDARD CURB & GUTTER PER COA STD DWG #2415A.
3. CONSTRUCT PCC VALLEY GUTTER 6' WIDE, 1 1/2" INVERT PER COA STD DWG #2420.
4. CROWN TO NO CROWN TRANSITION 50' MIN. LENGTH. PER COA STD DWG #2401.
5. TRANSITION FROM MOUNTABLE TO STANDARD CURB PER COA STD DWG #2418.
6. MOUNTABLE CURB & GUTTER PER COA STD DWG #2415A.
7. MEDIAN CURB & GUTTER PER COA STD DWG #2415B.
8. DEFERRED 4' WIDE PCC SIDEWALK PER COA STD DWG #2430.
9. CONSTRUCT 4' WIDE PCC SIDEWALK PER COA STD DWG #2430.
10. 6' WIDE CONCRETE BIKE TRAIL PER DETAIL SHEET #9.
11. PCC PATTERNED CONCRETE PER COA STD DWG #2408 TO 10' FROM MEDIAN NOSE.
12. REMOVE EXST SIDEWALK AS NEEDED. MATCH SIDEWALK TO BACK OF PROPOSED WHEELCHAIR RAMPS.
13. CONSTRUCT HANDICAP RAMP PER COA STD DWG #2426.
14. PAINT MEDIAN CURB AT NOSE WITH REFLECTIVE YELLOW PAINT.
15. CONSTRUCT RAMP PER BIKE/ PEDESTRIAN RAMP DETAIL ON SHEET 9.
16. THERMOPLASTIC MARKING – LEFT ONLY ARROW.
17. THERMOPLASTIC MARKING – THROUGH & RIGHT ARROW.
18. THERMOPLASTIC MARKING – SOLID WHITE STRIPE.
19. CAREFFULLY REMOVE 108.58 LF OF EXISTING GURB & GUTTER.
20. 10 LF MOUNTABLE CURB PER COA STD DWG #2415A. CENTERED ON THE R.O.W. CENTERLINE.

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
May 9, 20 05

PROFESSIONAL SURVEYOR STATE OF NEW MEXICO No. 9750 RUSS P. HUGG



STORM DRAIN INLET INFORMATION

INLET NO. ◇	INLET TYPE	STATION* & OFFSET	TOP GR. EL.	INV. OUT
3	DBL C	14+90.06, 14' LT	431.1 ~~43.09~~ ~~39.71~~	352.3 ~~35.70~~
4	TYPE A	14+90.06, 10' RT	432.3 ~~43.09~~ ~~39.66~~	366.0 ~~34.90~~

*STATIONING IS TO MIDPOINT OF GRATE ⊕ FACE OF CURB

CONNECTOR PIPE INFORMATION

FROM INLET NO. ◇	Q (CFS)	DIA. (IN)	LENGTH (FT)	SLOPE (FT/FT)
4	5.75	18"	21'	0.014

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
1324B-PV2DWGrfh 07/26/04

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: HERITAGE AT THE TRAILS UNIT 2
EDISON ROAD
STA10+00.00 TO END
PAVING & STORM DRAIN PLAN & PROFILE

Design Review Committee: APPROVED SEP 2 3 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT - 4 2004 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 738482 | Zone Map No. C-9-Z | Sheet 11 Of 19

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY SURV TEK DATE 02/05
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY SURV TEK DATE 06/05
DRAWINGS CORRECTED BY SURV TEK DATE 06/05
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

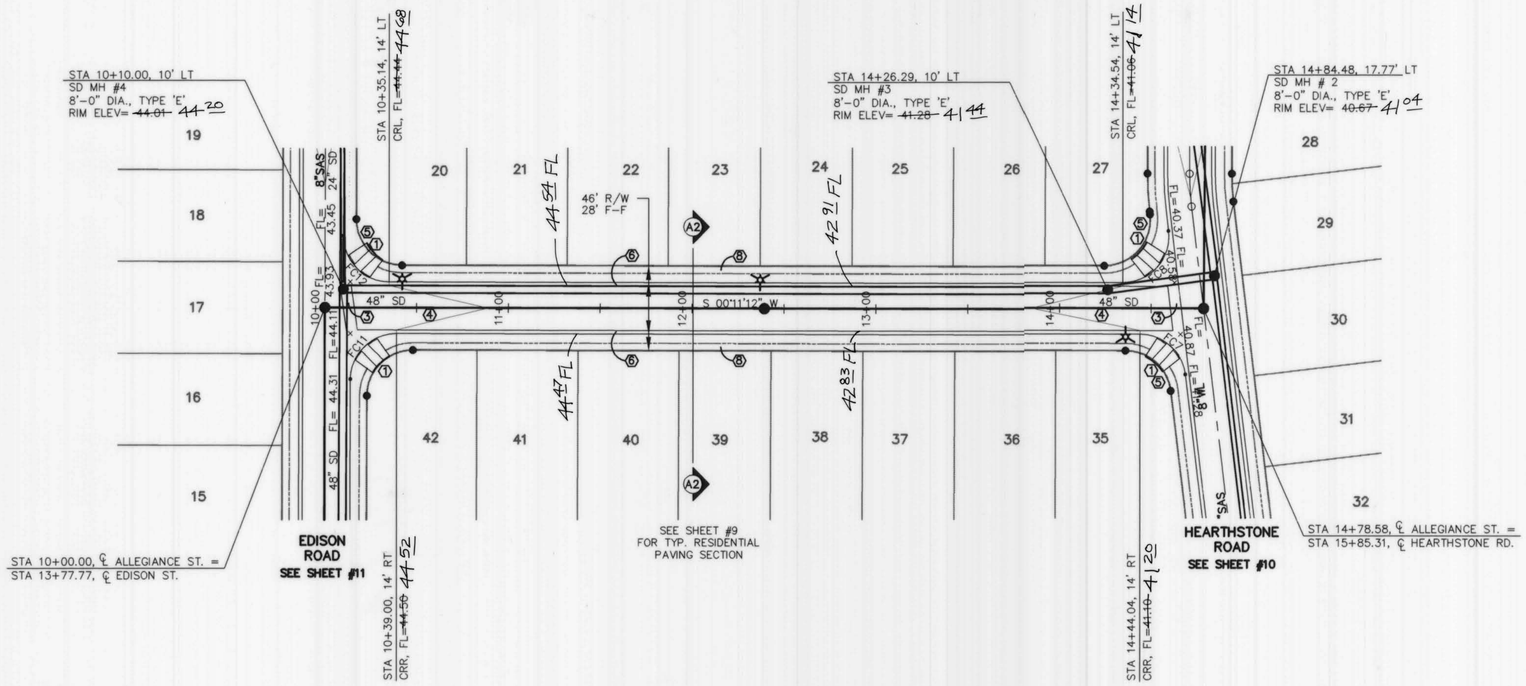
BENCH MARKS
ACS MONUMENT "2-B-10" LOCATED 1 MI.± WEST OF PARADISE BLVD. AND LA PAZ.
ELEVATION: 5429.35 (NGVD 1929)

SURVEY INFORMATION
FIELD NOTES
1. ALDRICH SURVEYING 04/03

ENGINEER'S SEAL
GENEVIEVE L. DOMART NEW MEXICO 15088 PROFESSIONAL ENGINEER
7/26/04

NO.	DATE	REMARKS	BY
		REVISIONS	

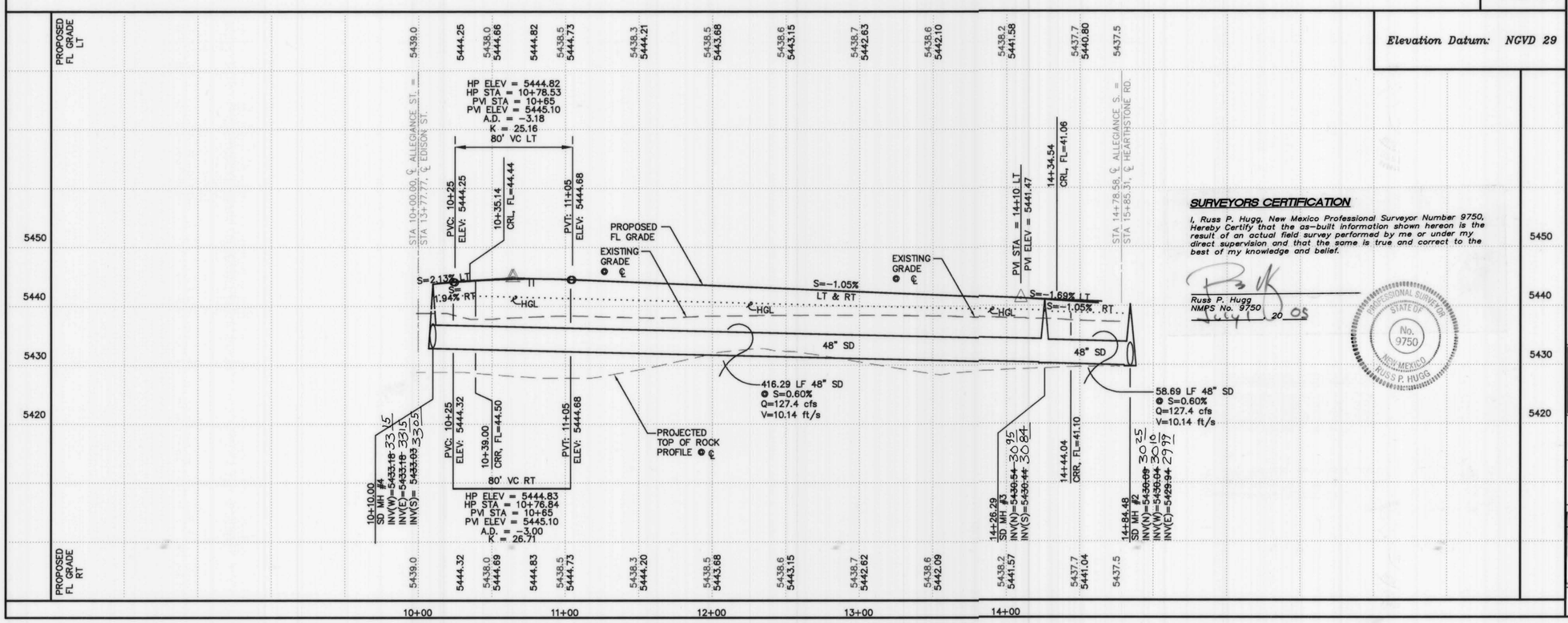
DESIGN
DESIGNED BY GLD DATE 03/04
DRAWN BY RFH DATE 03/04
CHECKED BY GLD DATE 03/04



ALLEGIANCE STREET

SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NGVD 29



KEYED CONSTRUCTION NOTES ⬡

1. CONSTRUCT HANDICAP RAMP PER COA STD DWG #2441, CASE II WITH HEADER CURB.
2. STANDARD CURB & GUTTER PER COA STD DWG #2415A.
3. CONSTRUCT PCC VALLEY GUTTER 6' WIDE, 1 1/2" INVERT PER COA STD DWG #2420.
4. CROWN TO NO CROWN TRANSITION 50' MIN. LENGTH. PER COA STD DWG #2401.
5. TRANSITION FROM MOUNTABLE TO STANDARD CURB PER COA STD DWG #2418.
6. MOUNTABLE CURB & GUTTER PER COA STD DWG #2415A.
7. MEDIAN CURB & GUTTER PER COA STD DWG #2415B.
8. DEFERRED 4' WIDE PCC SIDEWALK PER COA STD DWG #2430.
9. CONSTRUCT 4' WIDE PCC SIDEWALK PER COA STD DWG #2430.
10. 6' WIDE CONCRETE BIKE TRAIL PER DETAIL SHEET #9.
11. PCC PATTERNED CONCRETE PER COA STD DWG #2408 TO 10' FROM MEDIAN NOSE.
12. REMOVE EXST SIDEWALK AS NEEDED. MATCH SIDEWALK TO BACK OF PROPOSED WHEELCHAIR RAMPS.
13. CONSTRUCT HANDICAP RAMP PER COA STD DWG #2426.
14. PAINT MEDIAN CURB AT NOSE WITH REFLECTIVE YELLOW PAINT.
15. CONSTRUCT RAMP PER BIKE/ PEDESTRIAN RAMP DETAIL ON SHEET 9.
16. THERMOPLASTIC MARKING – LEFT ONLY ARROW.
17. THERMOPLASTIC MARKING – THROUGH & RIGHT ARROW.
18. THERMOPLASTIC MARKING – SOLID WHITE STRIPE.
19. CAREFFULLY REMOVE 108.58 LF OF EXISTING GURB & GUTTER.
20. 10 LF MOUNTABLE CURB PER COA STD DWG #2415A. CENTERED ON THE R.O.W. CENTERLINE.

FACE OF CURB CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA
FC7	25.00	36.24	83°03'33"
FC8	25.00	42.30	96°56'27"
FC11	25.00	39.27	90°00'00"
FC12	25.00	39.27	90°00'00"

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
April 20 05

PROFESSIONAL SURVEYOR STATE OF NEW MEXICO No. 9750 RUSS P. HUGG

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
1324A-PV3DWGrfh 07/02/04

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: HERITAGE AT THE TRAILS UNIT 2
ALLEGIANCE STREET
STA 10+00.00 TO END
PAVING & STORM DRAIN PLAN & PROFILE

Design Review Committee: APPROVED SEP 23 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT - 4 2004 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 738482 | Zone Map No. C-9-Z | Sheet 12 Of 19

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY SURVTEK DATE 02/05
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY SURVTEK DATE 06/05
MAPS CORRECTED BY SURVTEK DATE 06/05
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

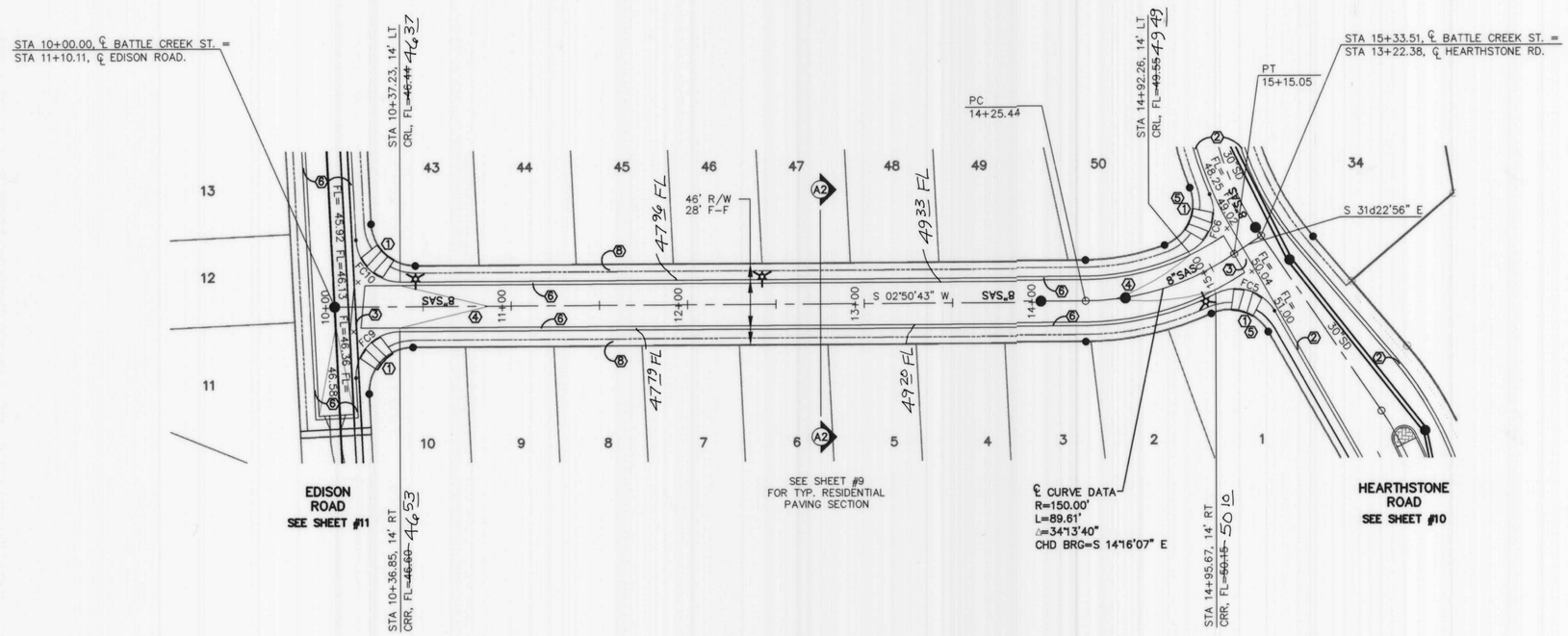
BENCH MARKS
ACS MONUMENT "2-B-10" LOCATED 1 MI.± WEST OF PARADISE BLVD. AND LA PAZ.
ELEVATION: 5429.35 (NGVD 1929)

SURVEY INFORMATION
FIELD NOTES
1. ALDRICH SURVEYING 04/03

ENGINEER'S SEAL
GENEVIEVE L. DONART NEW MEXICO 15088 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

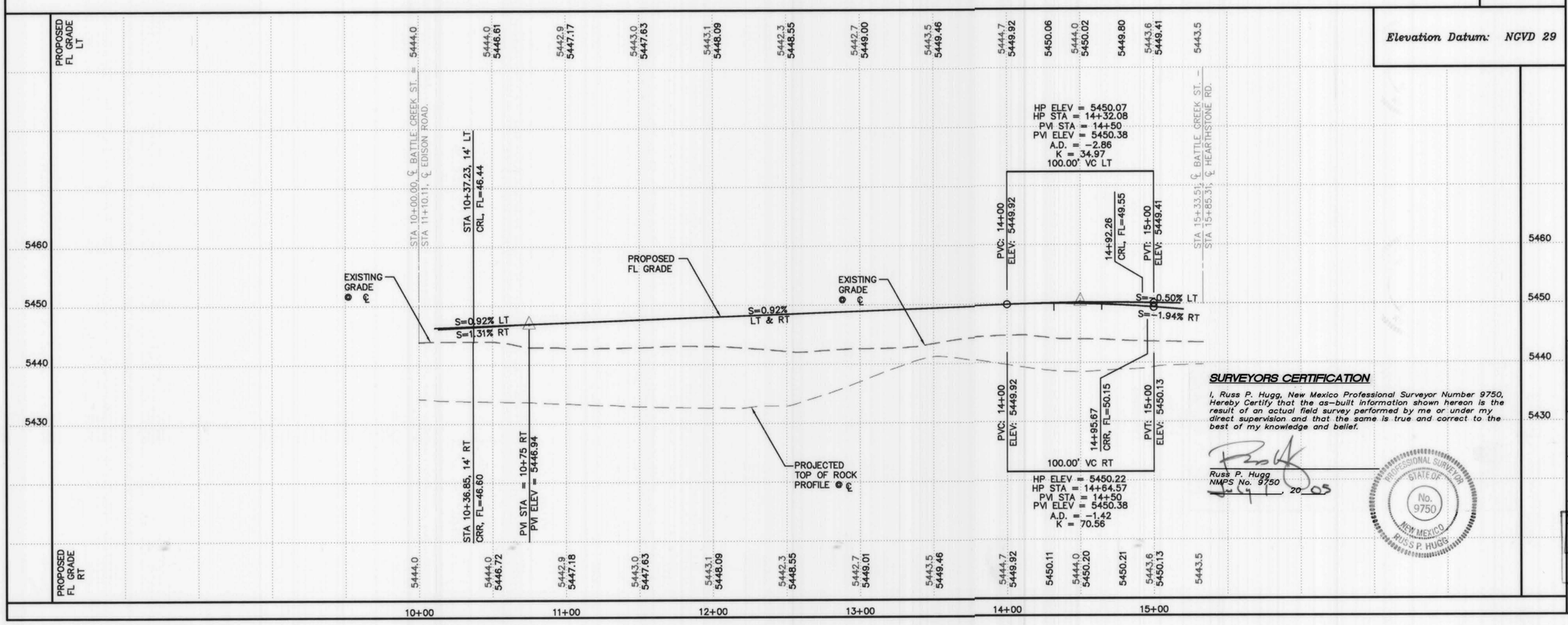
DESIGN
DESIGNED BY GLD DATE 03/04
DRAWN BY RFH DATE 03/04
CHECKED BY GLD DATE 03/04



BATTLE CREEK STREET

SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NCVD 29



KEYED CONSTRUCTION NOTES

1. CONSTRUCT HANDICAP RAMP PER COA STD DWG #2441, CASE II WITH HEADER CURB.
2. STANDARD CURB & GUTTER PER COA STD DWG #2415A.
3. CONSTRUCT PCC VALLEY GUTTER 6' WIDE, 1 1/2" INVERT PER COA STD DWG #2420.
4. CROWN TO NO CROWN TRANSITION 50' MIN. LENGTH. PER COA STD DWG #2401.
5. TRANSITION FROM MOUNTABLE TO STANDARD CURB PER COA STD DWG #2418.
6. MOUNTABLE CURB & GUTTER PER COA STD DWG #2415A.
7. MEDIAN CURB & GUTTER PER COA STD DWG #2415B.
8. DEFERRED 4' WIDE PCC SIDEWALK PER COA STD DWG #2430.
9. CONSTRUCT 4' WIDE PCC SIDEWALK PER COA STD DWG #2430.
10. 6' WIDE CONCRETE BIKE TRAIL PER DETAIL SHEET #9.
11. PCC PATTERNED CONCRETE PER COA STD DWG #2408 TO 10' FROM MEDIAN NOSE.
12. REMOVE EXST SIDEWALK AS NEEDED. MATCH SIDEWALK TO BACK OF PROPOSED WHEELCHAIR RAMPS.
13. CONSTRUCT HANDICAP RAMP PER COA STD DWG #2426.
14. PAINT MEDIAN CURB AT NOSE WITH REFLECTIVE YELLOW PAINT.
15. CONSTRUCT RAMP PER BIKE/ PEDESTRIAN RAMP DETAIL ON SHEET 9.
16. THERMOPLASTIC MARKING – LEFT ONLY ARROW.
17. THERMOPLASTIC MARKING – THROUGH & RIGHT ARROW.
18. THERMOPLASTIC MARKING – SOLID WHITE STRIPE.
19. CAREFFULLY REMOVE 108.58 LF OF EXISTING GURB & GUTTER.
20. 10 LF MOUNTABLE CURB PER COA STD DWG #2415A. CENTERED ON THE R.O.W. CENTERLINE.

FACE OF CURB CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA
FC5	25.00	38.09	87°17'18"
FC6	25.00	38.41	88°02'05"
FC9	25.00	40.43	92°39'31"
FC10	25.00	38.11	87°20'29"

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
7-9-, 20 05

PROFESSIONAL SURVEYOR STATE OF NEW MEXICO No. 9750 RUSS P. HUGG

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
1324B-PV4DWGrfh 07/02/04

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: HERITAGE AT THE TRAILS UNIT 2
BATTLE CREEK STREET
STA 10+00.00 TO END
PAVING & STORM DRAIN PLAN & PROFILE

Design Review Committee: APPROVED SEP 23 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT - 4 2004 CITY ENGINEER
Last Design Update | Mo./Dsy/Yr. | Mo./Dsy/Yr.

City Project No. 738482 | Zone Map No. C-9-Z | Sheet 13 Of 19

ENGINEER'S SEAL: GENEVIEVE L. DONART, NEW MEXICO LICENSED PROFESSIONAL ENGINEER 15088, 7/26/04

NO.	DATE	REMARKS	BY

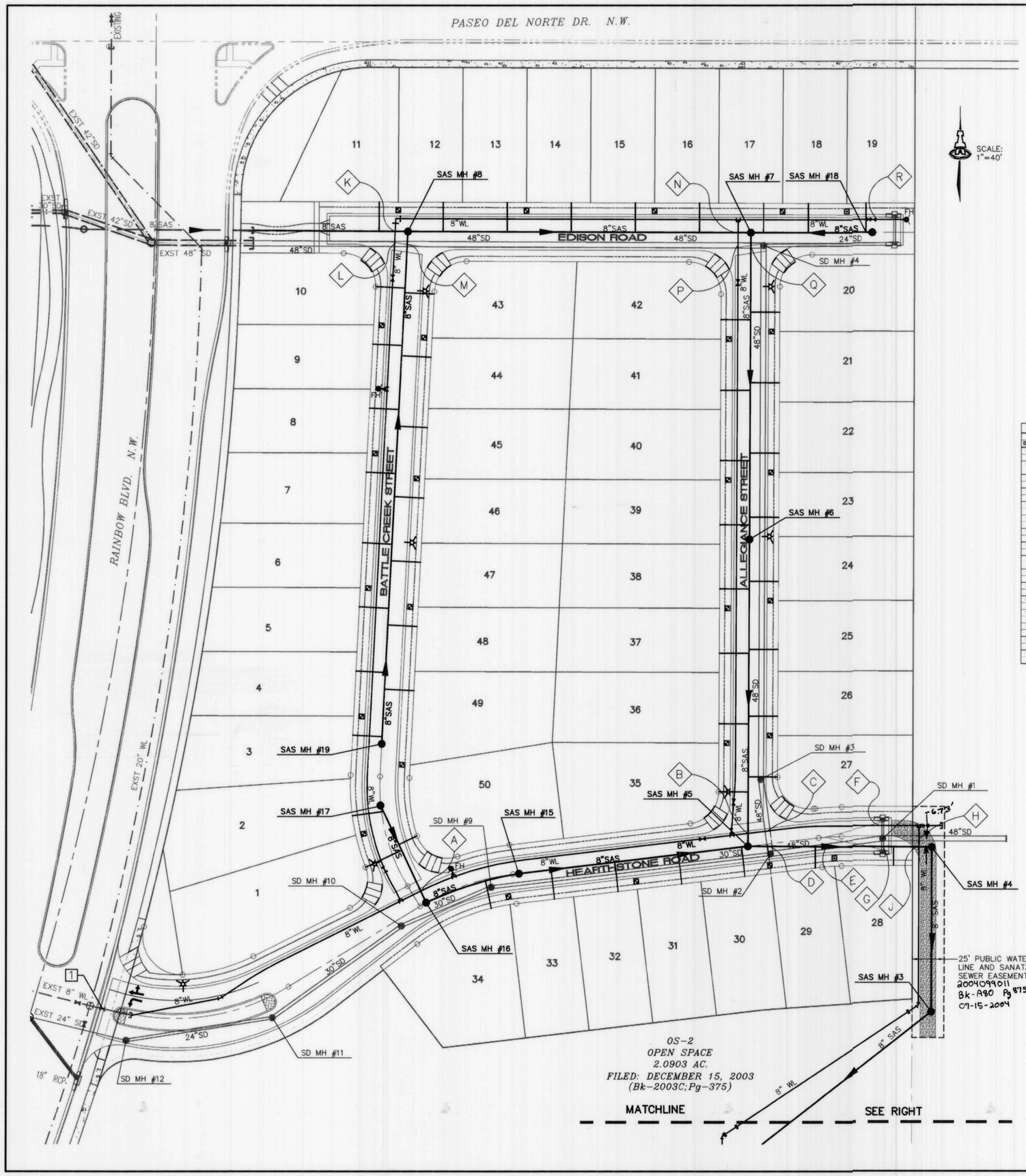
REVISIONS

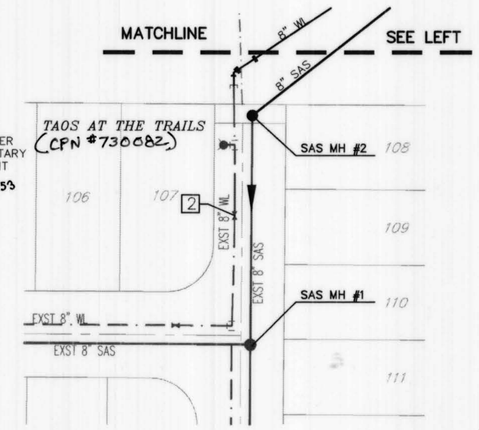
DESIGN
DESIGNED BY GLD DATE 03/04
DRAWN BY RFH DATE 03/04
CHECKED BY GLD DATE 03/04

AS-BUILT INFORMATION
CONTRACTOR WORK STAKED BY SURV TEK DATE 02/05
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY SURV TEK DATE 06/05
DRAWINGS CORRECTED BY SURV TEK DATE 06/05
MICRO-FILM RECORDED BY DATE
NO.

BENCH MARKS
ACS MONUMENT "2-B-10" LOCATED 1 MI.± WEST OF PARADISE BLVD. AND LA PAZ.
ELEVATION: 5429.35 (NGVD. 1929)

SURVEY INFORMATION
FIELD NOTES
1. ALDRICH SURVEYING 04/03





RESTRAINED JOINT LENGTHS, L_T, FOR TEES, (FT.) ALL JOINTS AT THE TEE MUST BE RESTRAINED.

SIZE	RUN	BRANCH
12x12x12	16	18
12x12x10	12	11
12x12x8	7	18
12x12x6	4	13
12x12x4	2	9
10x10x10	13	19
10x10x8	9	14
10x10x6	5	12
10x10x4	2	14
8x8x8	12	11
8x8x6	6	14
8x8x4	3	9
6x6x6	8	14
6x6x4	4	9

THIS TABLE IS BASED UPON THE FOLLOWING CRITERIA:

DEPTH OF BURY 4.0 FT. MINIMUM
FACTOR OF SAFETY 1.25
MATERIAL PVC PIPE
SOIL TYPE: GM/SM – SILTY GRAVELS AND SILTY SANDS, GRAVEL–SAND–SILT MIXTURES.
TEST PRESSURE 200 PSI
TRENCH TYPE 4: PIPE BEDDED IN SAND TO DEPTH OF 1/8 PIPE DIAMETER, 4 INCH MINIMUM; BACKFILL COMPACTED TO TOP OF PIPE.

DIFFERENT CRITERIA, E.G., DUCTILE IRON PIPE, GREATER DEPTH OF BURY, ETC., WILL REQUIRE DIFFERENT RESTRAINED LENGTHS. THESE MUST BE CALCULATED BY A QUALIFIED PROFESSIONAL ENGINEER AND APPROVED BY THE PUBLIC WORKS DEPARTMENT.

RESTRAINED JOINT LENGTHS FOR WATERLINE FITTINGS

RESTRAINED JOINT LENGTHS, L_T, FOR HORIZONTAL BENDS, VALVES, AND DEAD ENDS, (FT.)

SIZE	HORZ. BENDS 90°	45°	22 1/2°	11 1/4°	VALVES & DEAD ENDS
12	37	15	7	4	104
10	32	13	6	3	88
8	27	11	5	3	73
6	20	8	4	2	55
4	15	6	3	1	39

RESTRAINED JOINT LENGTHS, L_T, FOR REDUCERS, (FT.) MINIMUM UNOBSTRUCTED, STRAIGHT–RUN LENGTH: RESTRAIN EITHER LARGE PIPE, OR SMALL PIPE.

SIZE	LARGE SIDE	SMALL SIDE	SIZE	LARGE SIDE	SMALL SIDE
12x10	51	--	10x6	54	--
12x8	55	--	10x4	71	--
12x6	75	--	8x6	31	--
12x4	90	--	8x4	52	--
10x8	29	--	6x4	29	--

NOTES:

1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
2. THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS. ALL PIPE JOINTS WITHIN 20 LF OF A MECHANICAL JOINT SHALL BE RESTRAINED AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE ON THIS SHEET.
4. THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANT JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.
5. CONCRETE BLOCKING IS STILL REQUIRED FOR SOME FITTINGS AS REQUIRED BY THE NEW MEXICO UTILITIES, INC. STANDARD SPECIFICATIONS.

UTILITY CROSSING TABLE (C)

CROSSING TABLE

DES	STATION	STREET	SAS PIPE SIZE	SAS TP/BP	SD PIPE SIZE	SD TP/BP	WL PIPE SIZE	WL TP/BP	CLEARANCE (ft)
A	13+29.64, L 10.13	Hearthstone Rd	8	41.94			8	45.27	2.58
				41.23				44.52	
B	15+86.53, L 10.00	Hearthstone Rd	8	28.07			8	38.70	7.06
				28.18				35.95	
C	16+02.03, L 10.00	Hearthstone Rd			48	34.45	8	36.57	1.37
						29.95		35.82	
D	16+02.17, R 2.03	Hearthstone Rd	8	28.56	48	34.38			1.32
				27.85		29.88			
E	16+47.48, R 7.30	Hearthstone Rd	8	28.28	48	35.12			2.33
				27.56		30.62			
F	16+91.10, L 8.00	Hearthstone Rd			18	34.28	8	36.01	0.98
						32.28		35.20	
G	16+91.10, R 7.73	Hearthstone Rd	8	28.03	18	36.88			6.98
				27.32		34.68			
H	17+19.48, R 2.00	Hearthstone Rd			48	33.55	8	35.80	1.50
						29.05		35.05	
J	10+07.73, R 10.00	Offsite Utility	8	26.12			8	31.00	4.13
				25.41				30.25	
K	11+00.10, R 0.00	Edison Rd	8	33.72			6	42.31	8.01
				33.01				41.73	
L	10+99.65, R 9.83	Edison Rd			48	39.16	6	42.33	2.59
						34.66		41.75	
M	11+09.66, R 9.85	Edison Rd	8	33.92	48	39.10			0.67
				33.22		34.60			
N	13+67.77, L 0.00	Edison Rd	8	32.00			8	40.08	7.33
				31.29				39.33	
P	13+67.77, R 9.97	Edison Rd			48	37.55	8	40.08	1.78
						33.05		39.33	
Q	13+77.77, R 9.96	Edison Rd	8	31.85	48	37.49			1.14
				31.14		32.99			
R	14+77.26, L 10.00	Edison Rd			18	37.39	6	39.48	1.50
						35.39		36.90	

WATER SHUT-OFF PLAN

SHUT–OFF VALVES 1, & 2, TO PROVIDE NON–PRESSURE CONNECTION. THE CONTRACTOR SHALL CONTACT NEW MEXICO UTILITIES, INC. (898–2661) 5 WORKING DAYS PRIOR TO SHUT–OFF OR TURN–ON AT VALVES. ONLY N.M.U.I. PERSONNEL ARE ALLOWED TO OPERATE VALVES.

LEGEND

- SINGLE WATER METER & BOX
- DOUBLE WATER METER & BOX
- GATE VALVE W/ VALVE BOX
- FIRE HYDRANT
- WATER LINE W/ FITTING
- STORM DRAIN CATCH BASIN
- STORM DRAIN MANHOLE
- EXISTING SAS MANHOLE
- PROPOSED SAS MANHOLE

NOTE:
ALL IMPROVEMENTS IN RAINBOW BLVD. WILL BE BUILT BY CPN #730081, (THE TRAILS OFFSITE IMPROVEMENTS).

APPROVED FOR WATER AND SANITARY SEWER CONSTRUCTION.

(for NEW MEXICO UTILITIES, INC.) DATE 7-8-04

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
1324B–UMSTR.DWGrfh 07/06/04

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: HERITAGE AT THE TRAILS UNIT 2
MASTER UTILITY PLAN

Design Review Committee: APPROVED SEP 23 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT - 4 2004 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 738482 | Zone Map No. C-9-Z | Sheet 14 Of 19

AS-BUILT INFORMATION
CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S CERTIFICATE OF FIELD VERIFICATION BY | DATE
VERIFICATIONS CORRECTED BY | DATE
MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

BENCH MARKS
ACS MONUMENT "2-B-10" LOCATED 1 MI.± WEST OF PARADISE BLVD. AND LA PAZ.
ELEVATION: 5429.35 (NGVD 1929)

SURVEY INFORMATION
FIELD NOTES
1. ALDRICH SURVEYING 04/03

ENGINEER'S SEAL
GENEVIEVE L. DOMART NEW MEXICO 15088 LICENSED PROFESSIONAL ENGINEER 7/13/04

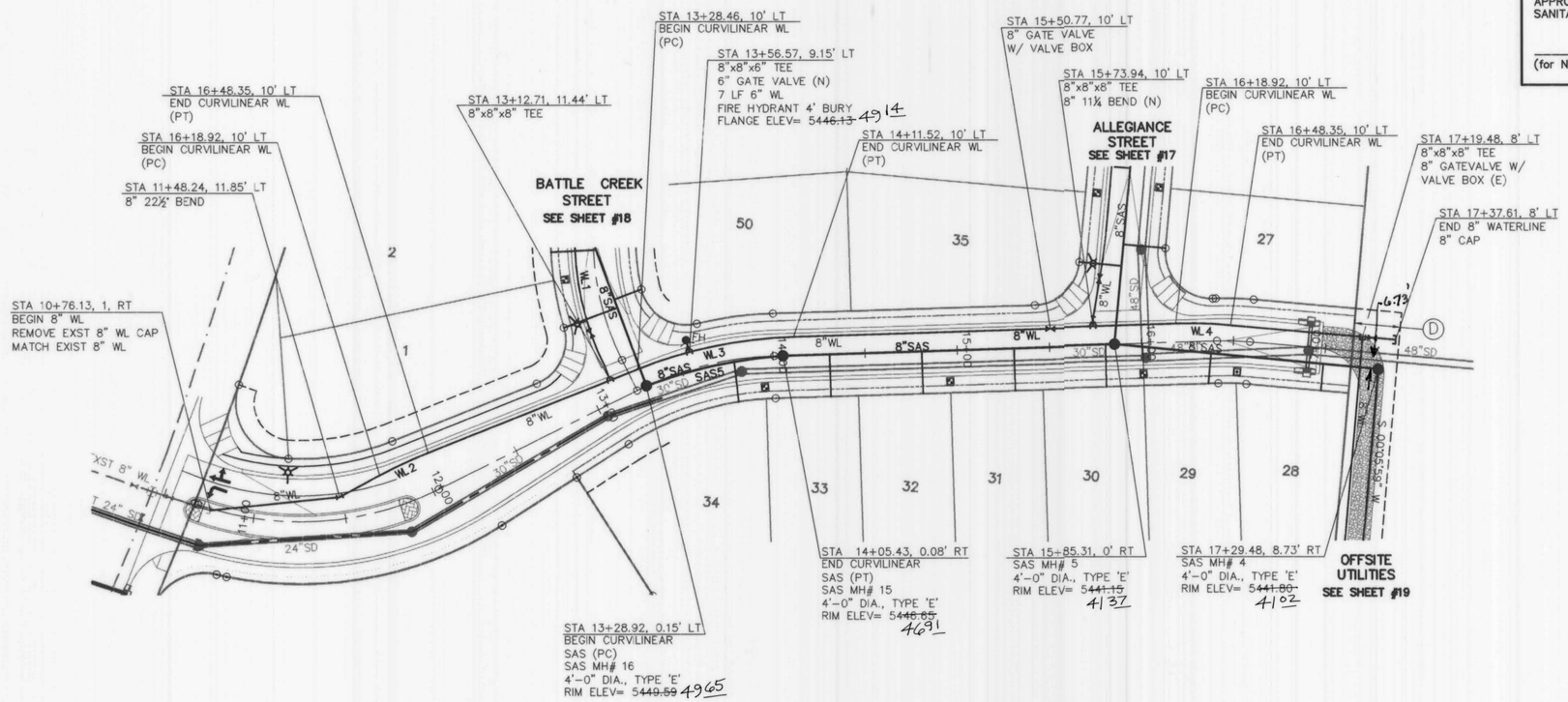
NO.	DATE	REMARKS	BY

REVISIONS

		DATE
DESIGNED BY	GLD	03/04
DRAWN BY	RFH	03/04
CHECKED BY	GLD	03/04

APPROVED FOR WATER AND SANITARY SEWER CONSTRUCTION.

(for NEW MEXICO UTILITIES, INC.) DATE 7-K-04



HEARTHSTONE ~~TRAIL~~ ROAD

SCALES:
1"=40' HOR.
1"=10' VERT.

GENERAL NOTES

1. CONSTRUCT SAS SERVICES PER NMUI STANDARD SPECS.
2. CONSTRUCT ALL SINGLE & DOUBLE WATER SERVICES PER NMUI STANDARD SPECS, EXHIBITS A, B, C, & D.
3. SEE SHEET #14 FOR WATER SHUT-OFF PLAN.
4. SEE SHEET #14 FOR RESTRAINED JOINT LENGTHS FOR WATER LINE FITTINGS.
5. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER COA STD DWG #2340 AND NMUI STANDARD SPECS.
6. INSTALL VALVE RING & COVER PER COA STD DWG #2328 AND NMUI STANDARD SPECS.
7. INSTALL A CONCRETE COLLAR AROUND ALL SAS MH RIMS AND VALVE BOXES PER NMUI STANDARD SPECS.

LEGEND

- SINGLE WATER METER & BOX
- DOUBLE WATER METER & BOX
- GATE VALVE W/ VALVE BOX
- FIRE HYDRANT
- SAS MANHOLE
- WATER LINE W/ FITTING

UTILITY SERVICE TABLE

LOT NO.	STATION WATER, LENGTH	STATION SAS, LENGTH	SAS INV @ R/W
28	16+52.48, 10'(S)	16+99.48, 16'	35.28*
29	16+00.72, 9'	16+35.66, 17'	35.69*
30		15+80.31, 23'	36.06*
31	14+95.72, 9'	15+30.72, 23'	37.11*
32		14+80.72, 23'	38.86*
33	13+94.99, 9'	14+30.72, 23'	40.76
34		13+77.78, 22'	42.77

ALL WATER SERVICES ARE DOUBLE EXCEPT WHERE NOTED AS (S) SINGLE.

* INSTALL SAS SERVICE RISERS

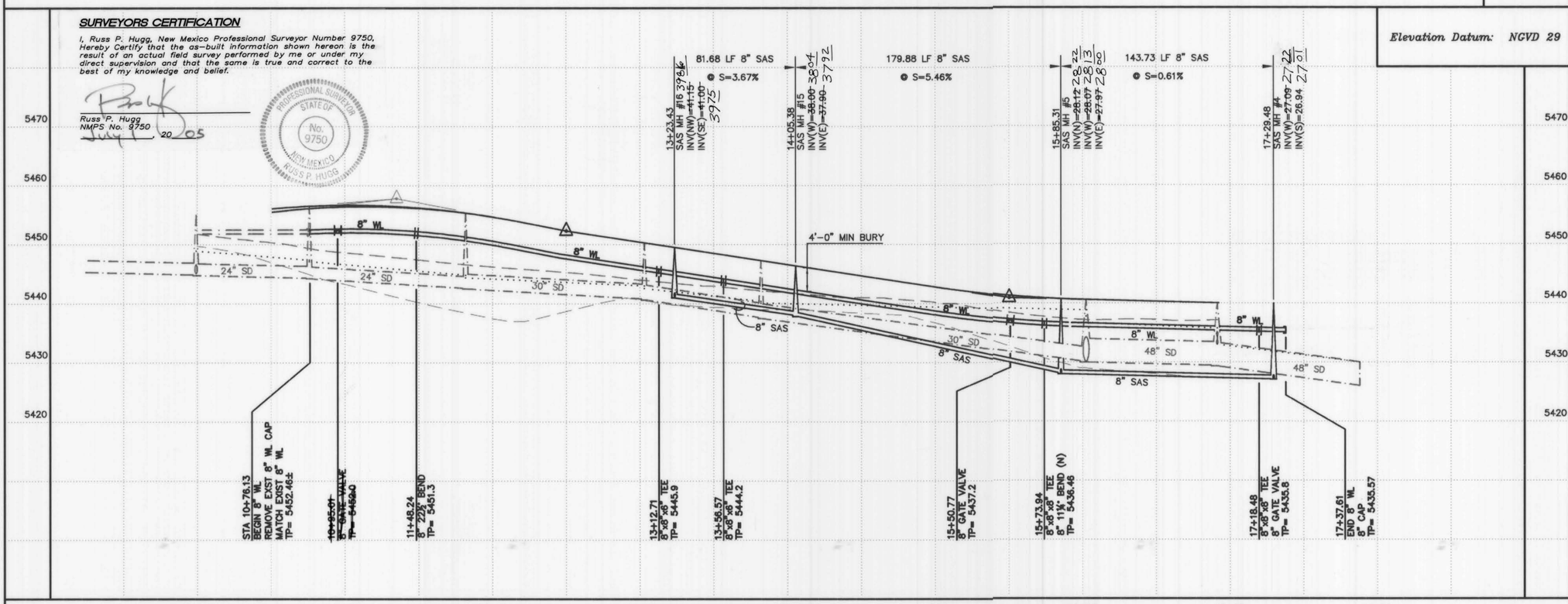
SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
July 1, 20 05

PROFESSIONAL SURVEYOR STATE OF No. 9750 NEW MEXICO RUSS P. HUGG

Elevation Datum: NCVD 29



EASEMENT DATA

(D) 25' PUBLIC WATER & SANITARY SEWER EASEMENT GRANTED BY

UTILITY CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA	CHD BRG
WL1	160.00	94.53	33°51'04"	S 14°04'49" E
WL2	250.00	29.11	6°40'20"	S 60°00'11" W
WL3	250.00	86.86	19°54'25"	S 73°17'33" W
WL4	250.00	29.90	6°51'13"	S 86°40'22" W
SAS5	297.69	71.55	13°46'18"	S 71°56'04" W

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
1324B-UTL1DWGrfh 07/06/04

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: HERITAGE AT THE TRAILS UNIT 2
HEARTHSTONE ~~TRAIL~~ ROAD
STA 10+00.00 TO END
UTILITY PLAN & PROFILE

Design Review Committee: APPROVED SEP 23 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT - 4 2004 CITY ENGINEER
Last Design Update Mo./Day/Yr. Mo./Day/Yr.

City Project No. 738482 | Zone Map No. C-9-Z | Sheet 15 Of 19

AS-BUILT INFORMATION
CONTRACTOR | DATE
WORK STAKED BY SURV TEK DATE 02/05
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY SURV TEK DATE 06/05
DRAWINGS CORRECTED BY SURV TEK DATE 06/05
MICRO-FILM INFORMATION
RECORDED BY | DATE
NO. | BY

BENCH MARKS
ACS MONUMENT "2-B-10" LOCATED 1 MI.± WEST OF PARADISE BLVD. AND LA PAZ.
ELEVATION: 5429.35 (NGVD 1929)

SURVEY INFORMATION
FIELD NOTES
1. ALDRICH SURVEYING 04/03

ENGINEER'S SEAL
GENEVIEVE L. DONART NEW MEXICO 15088 LICENSED PROFESSIONAL ENGINEER 7/15/04

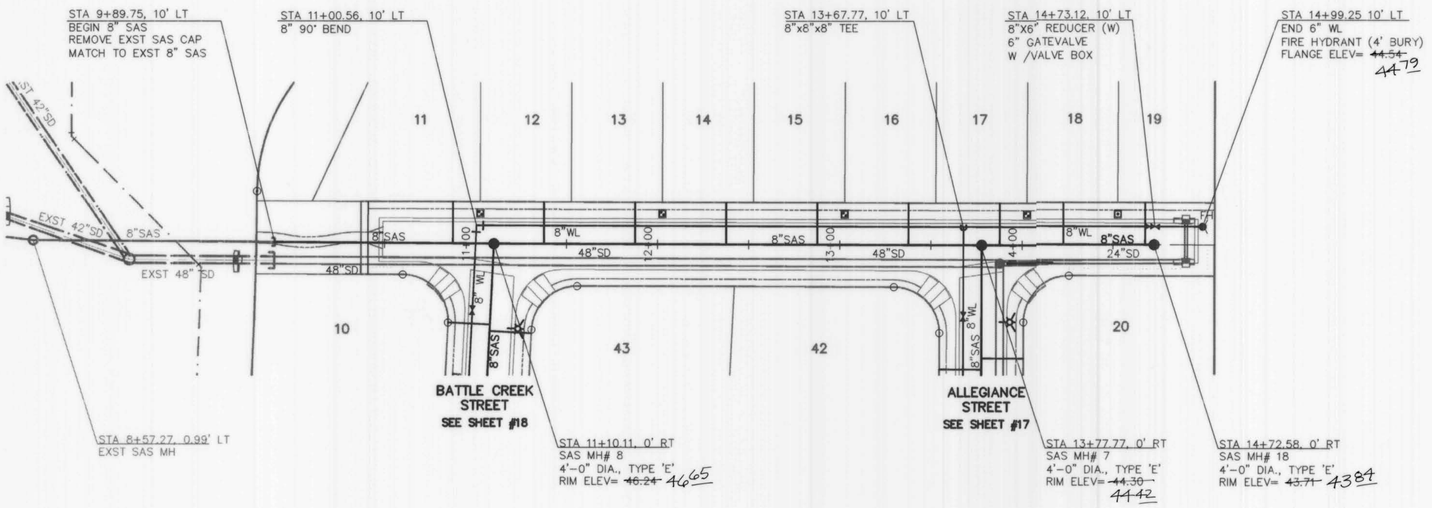
REVISIONS
NO. | DATE | REMARKS | BY

DESIGN
DESIGNED BY GLD DATE 03/04
DRAWN BY RFH DATE 03/04
CHECKED BY GLD DATE 03/04

APPROVED FOR WATER AND SANITARY SEWER CONSTRUCTION.

7-16-04

(for NEW MEXICO UTILITIES, INC.) DATE

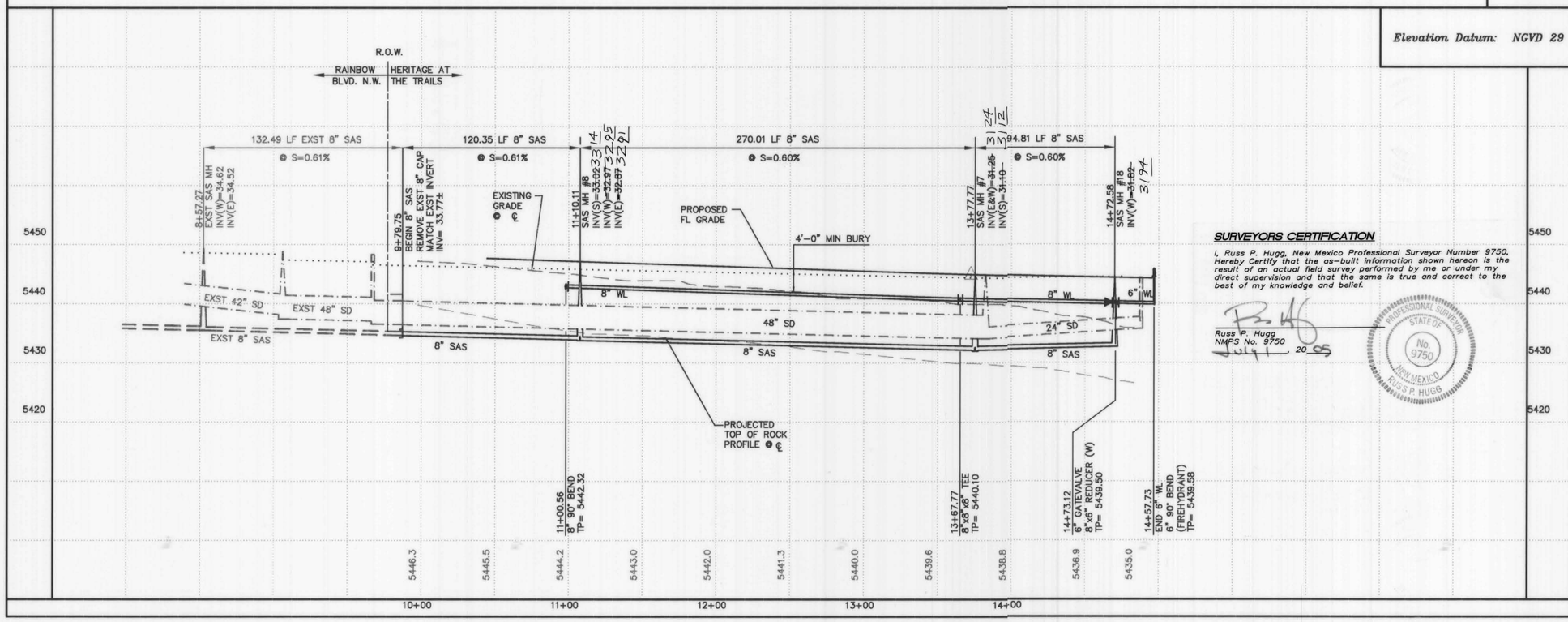


NOTE:
ALL IMPROVEMENTS IN RAINBOW BLVD. WILL BE BUILT BY CPN #730081, (THE TRAILS OFFSITE IMPROVEMENTS).

EDISON ROAD

SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NGVD 29



SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
July 1, 2005

STATE OF NEW MEXICO PROFESSIONAL SURVEYOR No. 9750 RUSS P. HUGG

GENERAL NOTES

1. CONSTRUCT SAS SERVICES PER NMUI STANDARD SPECS.
2. CONSTRUCT ALL SINGLE & DOUBLE WATER SERVICES PER NMUI STANDARD SPECS, EXHIBITS A, B, C, & D.
3. SEE SHEET #14 FOR WATER SHUT-OFF PLAN.
4. SEE SHEET #14 FOR RESTRAINED JOINT LENGTHS FOR WATER LINE FITTINGS.
5. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER COA STD DWG #2340 AND NMUI STANDARD SPECS.
6. INSTALL VALVE RING & COVER PER COA STD DWG #2328 AND NMUI STANDARD SPECS.
7. INSTALL A CONCRETE COLLAR AROUND ALL SAS MH RIMS AND VALVE BOXES PER NMUI STANDARD SPECS.

LEGEND

- SINGLE WATER METER & BOX
- DOUBLE WATER METER & BOX
- GATE VALVE W/ VALVE BOX
- FIRE HYDRANT
- SAS MANHOLE
- WATER LINE W/ FITTING

UTILITY SERVICE TABLE

LOT NO.	STATION WATER, LENGTH	STATION SAS, LENGTH	SAS INV @ R/W
11	11+02.58, 7'	10+87.58, 23'	41.76*
12		11+37.58, 23'	41.34*
13	12+02.58, 7'	11+87.58, 23'	40.91*
14		12+37.58, 23'	40.49*
15	13+02.58, 7'	12+87.58, 23'	40.07*
16		13+37.58, 23'	39.65*
17	14+02.58, 7'	13+87.58, 23'	39.28*
18		14+22.58, 23'	39.09*
19	14+52.58, 7'(S)	14+67.58, 23'	38.86*

ALL WATER SERVICES ARE DOUBLE EXCEPT WHERE NOTED AS (S) SINGLE.

* INSTALL SAS SERVICE RISERS

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY SURV TEK DATE 02/05
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY SURV TEK DATE 06/05
DRAWINGS CORRECTED BY SURV TEK DATE 06/05
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS MONUMENT "2-B-10" LOCATED 1 MI. ± WEST OF PARADISE BLVD. AND LA PAZ.
ELEVATION: 5429.35 (NGVD 1929)

SURVEY INFORMATION
FIELD NOTES
1. ALDRICH SURVEYING 04/03

ENGINEER'S SEAL
GENEVIEVE L. DONART NEW MEXICO 15088 PROFESSIONAL ENGINEER
7/15/04

NO.	DATE	REMARKS	BY

REVISIONS

		DATE
DESIGNED BY	GLD	03/04
DRAWN BY	RFH	03/04
CHECKED BY	GLD	03/04

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
1324B-UTL2DWG.rfh 07/06/04

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

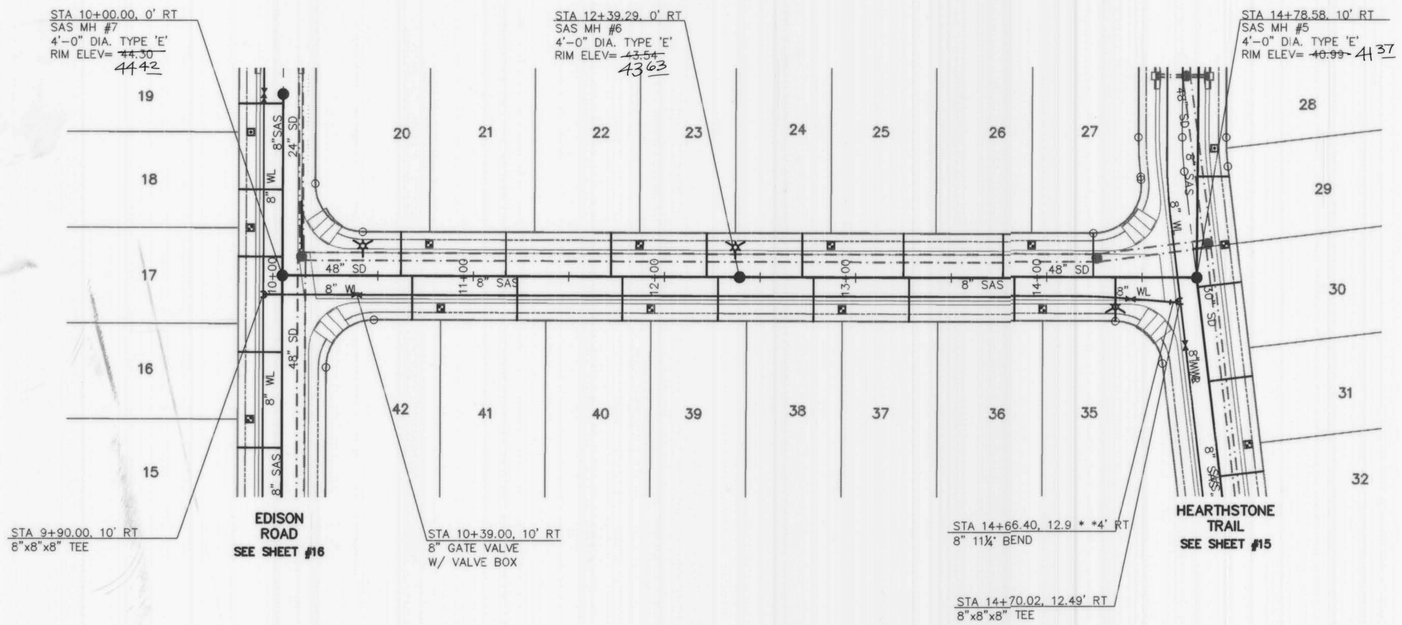
TITLE: HERITAGE AT THE TRAILS UNIT 2
EDISON ROAD
STA 9+50.00 TO END
UTILITY PLAN & PROFILE

Design Review Committee: APPROVED SEP 23 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT - 4 2004 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 738482 | Zone Map No. C-9-Z | Sheet 16 Of 19

APPROVED FOR WATER AND SANITARY SEWER CONSTRUCTION.

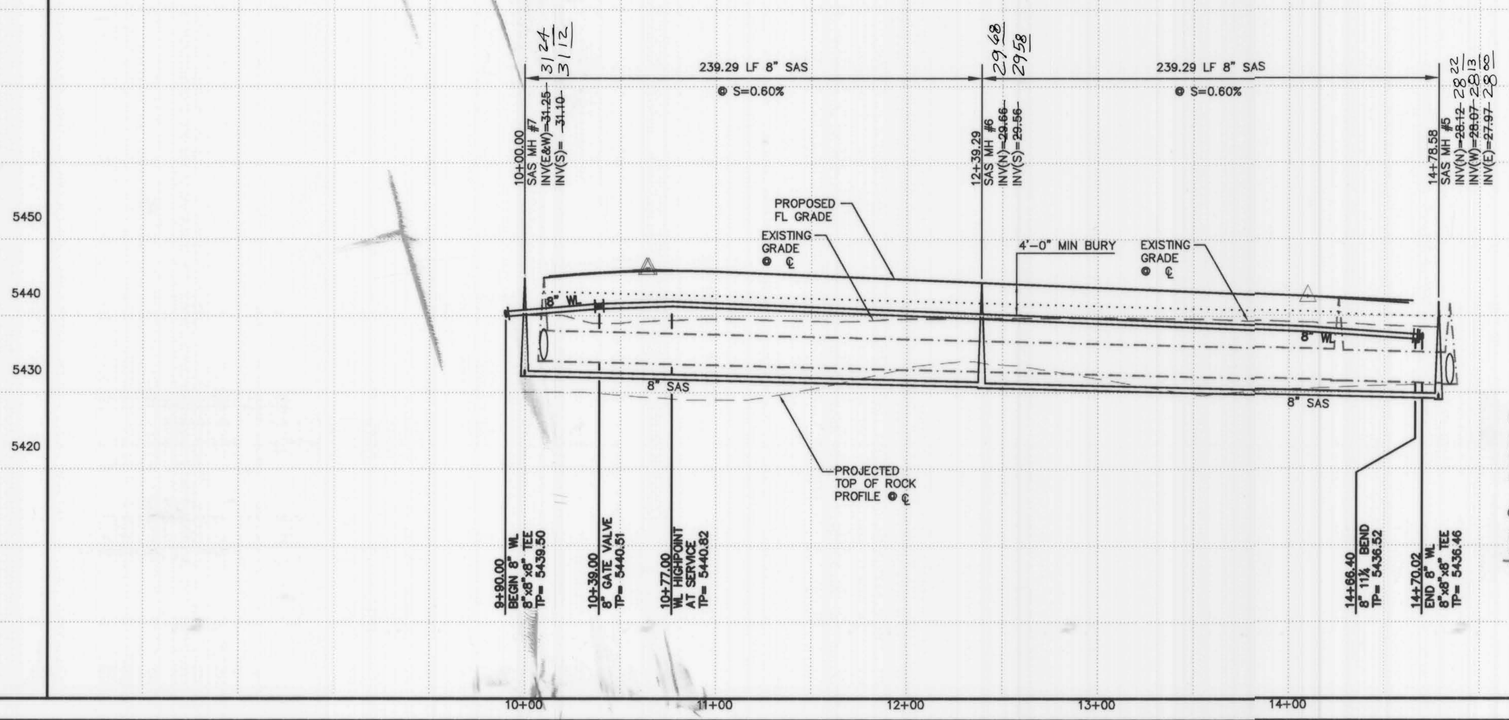
(for NEW MEXICO UTILITIES, INC.) DATE 7-16-04



ALLEGIANCE STREET

SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NGVD 29



SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
July 1, 20 05

PROFESSIONAL SURVEYOR STATE OF NEW MEXICO No. 9750 RUSS P. HUGG

GENERAL NOTES

1. CONSTRUCT SAS SERVICES PER NMUI STANDARD SPECS.
2. CONSTRUCT ALL SINGLE & DOUBLE WATER SERVICES PER NMUI STANDARD SPECS, EXHIBITS A, B, C, & D.
3. SEE SHEET #14 FOR WATER SHUT-OFF PLAN.
4. SEE SHEET #14 FOR RESTRAINED JOINT LENGTHS FOR WATER LINE FITTINGS.
5. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER COA STD DWG #2340 AND NMUI STANDARD SPECS.
6. INSTALL VALVE RING & COVER PER COA STD DWG #2328 AND NMUI STANDARD SPECS.
7. INSTALL A CONCRETE COLLAR AROUND ALL SAS MH RIMS AND VALVE BOXES PER NMUI STANDARD SPECS.

LEGEND

- SINGLE WATER METER & BOX
- DOUBLE WATER METER & BOX
- GATE VALVE W/ VALVE BOX
- FIRE HYDRANT
- SAS MANHOLE
- WATER LINE W/ FITTING

UTILITY SERVICE TABLE

LOT NO.	STATION WATER, LENGTH	STATION SAS, LENGTH	SAS INV @ R/W
20	10+77.00, 7'	10+62.00, 23'	40.1*
21		11+17.00, 23'	39.9*
22	11+87.00, 7'	11+72.00, 23'	39.3*
23		12+22.00, 23'	38.8*
24	12+87.00, 7'	12+72.00, 23'	38.2*
25		13+25.00, 23'	37.7*
26	13+92.00, 7'	13+77.00, 23'	37.0*
27		14+24.38, 23'	36.6*
35	13+98.00, 27'	14+36.06, 23'	36.5*
36		13+83.00, 23'	37.1*
37	12+93.00, 27'	13+28.00, 23'	37.7*
38		12+78.00, 23'	38.2*
39	11+93.00, 27'	12+28.00, 23'	38.7*
40		11+78.00, 23'	39.2*
41	10+83.00, 27'	11+23.00, 23'	39.8*
42		10+68.00, 23'	40.1 *

ALL WATER SERVICES ARE DOUBLE EXCEPT WHERE NOTED AS (S) SINGLE.

* INSTALL SAS SERVICE RISERS

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY SURVTEK DATE 02/05
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY SURVTEK DATE 04/05
DRAWINGS CORRECTED BY SURVTEK DATE 04/05
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS MONUMENT "2-B-10" LOCATED 1 MI.± WEST OF PARADISE BLVD. AND LA PAZ.
ELEVATION: 5429.35 (NGVD 1929)

SURVEY INFORMATION
FIELD NOTES
1. ALDRICH SURVEYING 04/03

ENGINEER'S SEAL
GENEVIEVE L. DOMART NEW MEXICO 15088 LICENSED PROFESSIONAL ENGINEER 7/15/04
Genevieve L. Domart

NO.	DATE	REMARKS	BY

REVISIONS

		DATE
DESIGNED BY	GLD	03/04
DRAWN BY	RFH	03/04
CHECKED BY	GLD	03/04

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque *New Mexico*
1324B-UTIL3DWGrfh 07/09/04

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

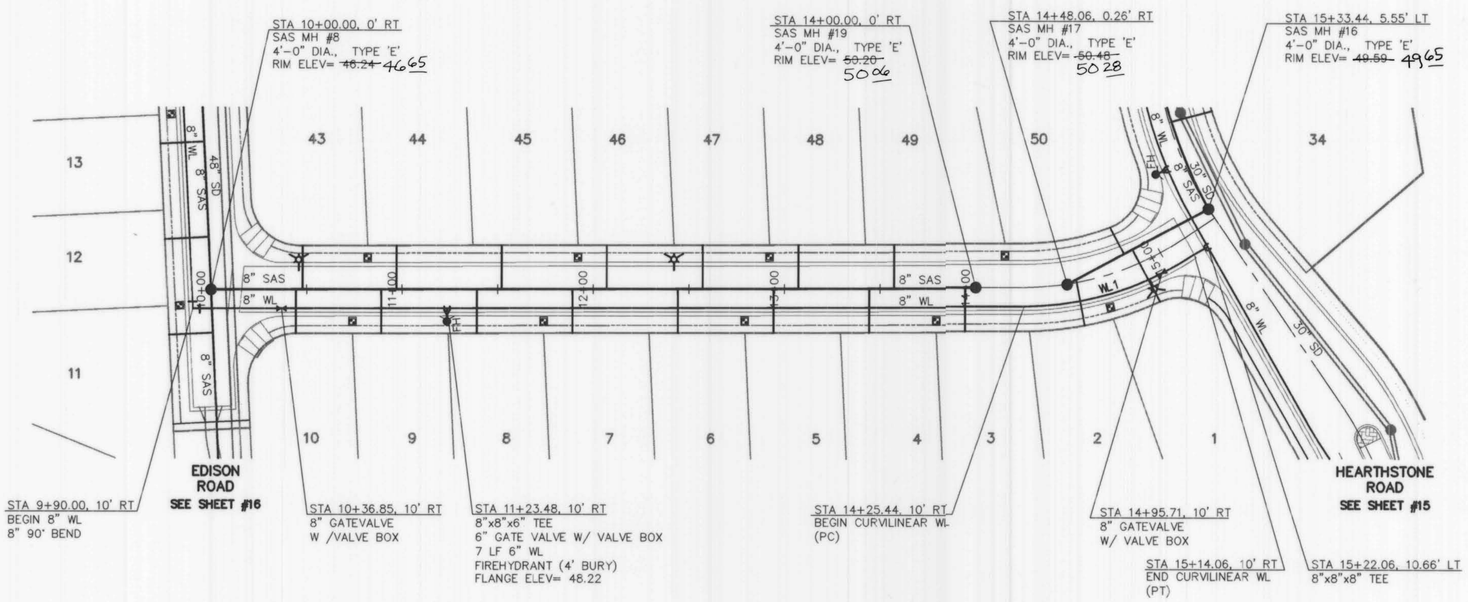
TITLE: HERITAGE AT THE TRAILS UNIT 2
ALLEGIANCE STREET
STA 10+00.00 TO END
UTILITY PLAN & PROFILE

Design Review Committee: APPROVED SEP 23 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT - 4 2004 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 738482 | Zone Map No. C-9-Z | Sheet 17 Of 19

APPROVED FOR WATER AND SANITARY SEWER CONSTRUCTION.

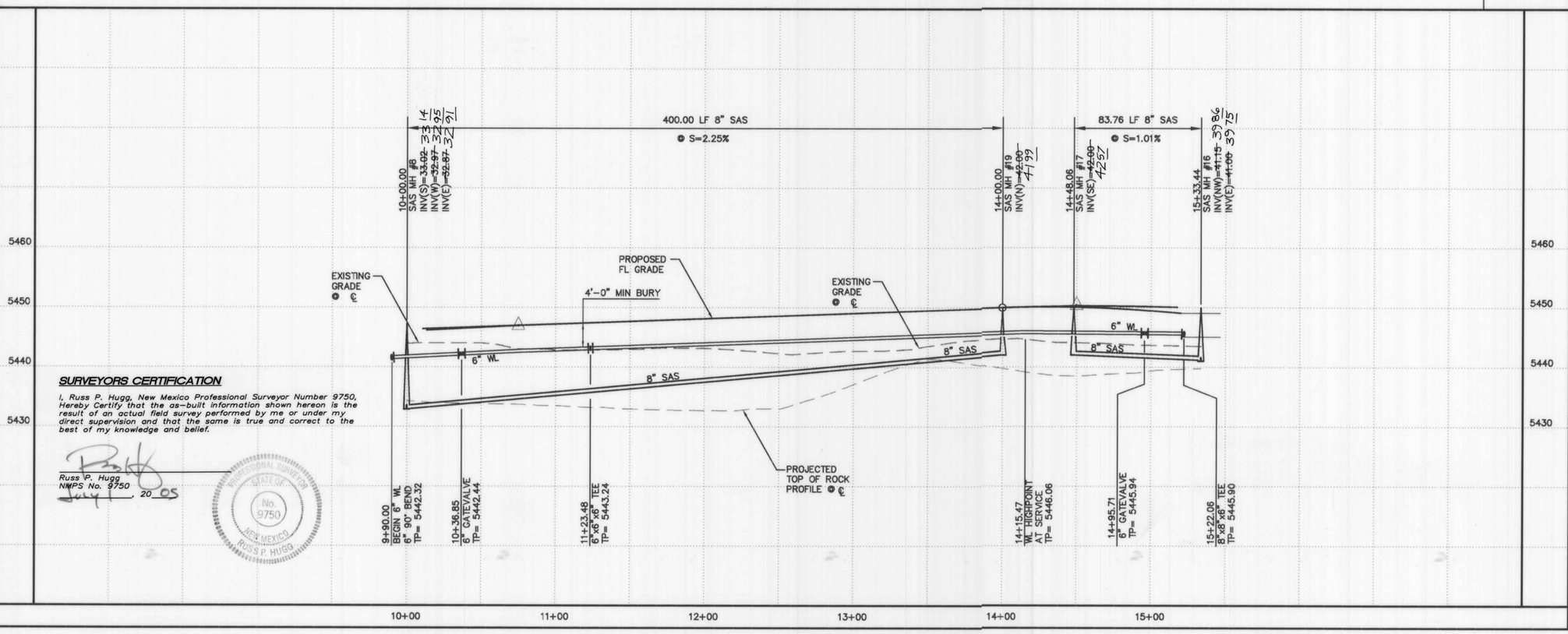
(for NEW MEXICO UTILITIES, INC.) DATE 7-8-04



BATTLE CREEK STREET

SCALES:

1"=40' HOR.
1"=10' VERT.



SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
July 1, 20 05

PROFESSIONAL SURVEYOR — STATE OF NEW MEXICO — No. 9750 — RUSS P. HUGG

GENERAL NOTES

1. CONSTRUCT SAS SERVICES PER NMUI STANDARD SPECS.
2. CONSTRUCT ALL SINGLE & DOUBLE WATER SERVICES PER NMUI STANDARD SPECS, EXHIBITS A, B, C, & D.
3. SEE SHEET #14 FOR WATER SHUT-OFF PLAN.
4. SEE SHEET #14 FOR RESTRAINED JOINT LENGTHS FOR WATER LINE FITTINGS.
5. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER COA STD DWG #2340 AND NMUI STANDARD SPECS.
6. INSTALL VALVE RING & COVER PER COA STD DWG #2328 AND NMUI STANDARD SPECS.
7. INSTALL A CONCRETE COLLAR AROUND ALL SAS MH RIMS AND VALVE BOXES PER NMUI STANDARD SPECS.

UTILITY CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA	CHD BRG
WL1	160.00	94.53	33°51'04"	S 14°04'49" E

LEGEND

- SINGLE WATER METER & BOX
- DOUBLE WATER METER & BOX
- GATE VALVE W/ VALVE BOX
- FIRE HYDRANT
- SAS MANHOLE
- WATER LINE W/ FITTING

UTILITY SERVICE TABLE

LOT NO.	STATION WATER, LENGTH	STATION SAS, LENGTH	SAS INV @ R/W
43	10+82.02, 27'	10+47.82, 23'	42.0
44		10+97.02, 23'	42.5
45	11+92.14, 27'	11+52.08, 23'	43.0
46		12+07.14, 23'	43.5
47	12+92.25, 27'	12+57.19, 23'	44.0
48		13+07.25, 23'	44.4
49	14+15.47, 27'	13+57.30, 23'	44.9
50		14+79.72, 23'	45.5
1	14+66.51, 7'	14+89.16, 23'	45.5
2		14+53.11, 23'	45.5
3	13+79.36, 7'	13+94.37, 23'	45.2
4		13+44.31, 23'	44.7
5	12+79.25, 7'	12+94.25, 23'	44.3
6		12+44.20, 23'	43.8
7	11+74.14, 7'	11+89.14, 23'	43.3*
8		11+39.09, 23'	42.9*
9	10+74.03, 7'	10+89.03, 23'	42.4*
10		10+44.27, 23'	42.0*

ALL WATER SERVICES ARE DOUBLE EXCEPT WHERE NOTED AS (S) SINGLE.

* INSTALL SAS SERVICE RISERS.

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
1324A-UTL4DWG.rfh 07/14/04

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: HERITAGE AT THE TRAILS UNIT 2
BATTLE CREEK STREET
STA 10+00.00 TO END
UTILITY PLAN & PROFILE

Design Review Committee: APPROVED SEP 23 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT - 4 2004 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 738482 | Zone Map No. C-9-Z | Sheet 18 Of 19

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY SURV TEK DATE 02/05
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY SURV TEK DATE 06/05
DRAWINGS CORRECTED BY SURV TEK DATE 06/05
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS MONUMENT "2-B-10" LOCATED 1 MI.± WEST OF PARADISE BLVD. AND LA PAZ.
ELEVATION: 5429.35 (NGVD 1929)

SURVEY INFORMATION
FIELD NOTES
1. ALDRICH SURVEYING 04/03

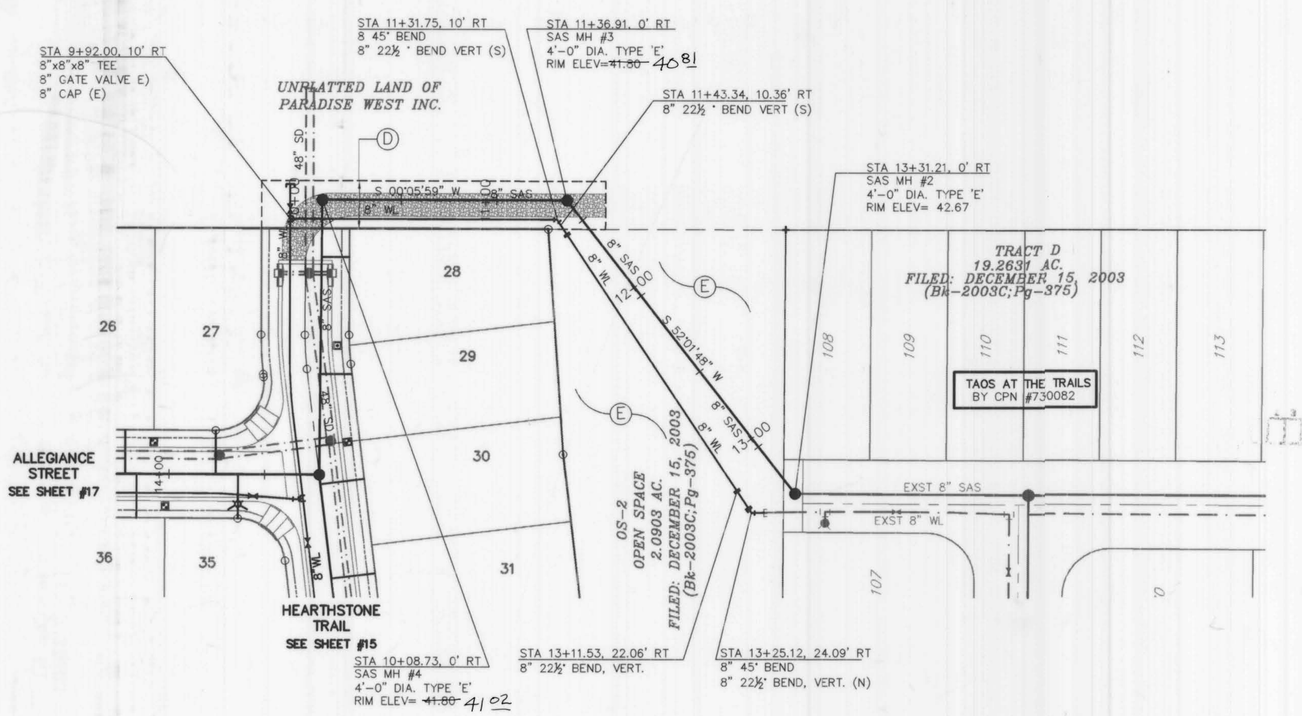
ENGINEER'S SEAL
GENEVIEVE L. DONART — NEW MEXICO — 15088 — LICENSED PROFESSIONAL ENGINEER — 7/15/04

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY GLD DATE 03/04
DRAWN BY RFH DATE 03/04
CHECKED BY GLD DATE 03/04

APPROVED FOR WATER AND SANITARY SEWER CONSTRUCTION.

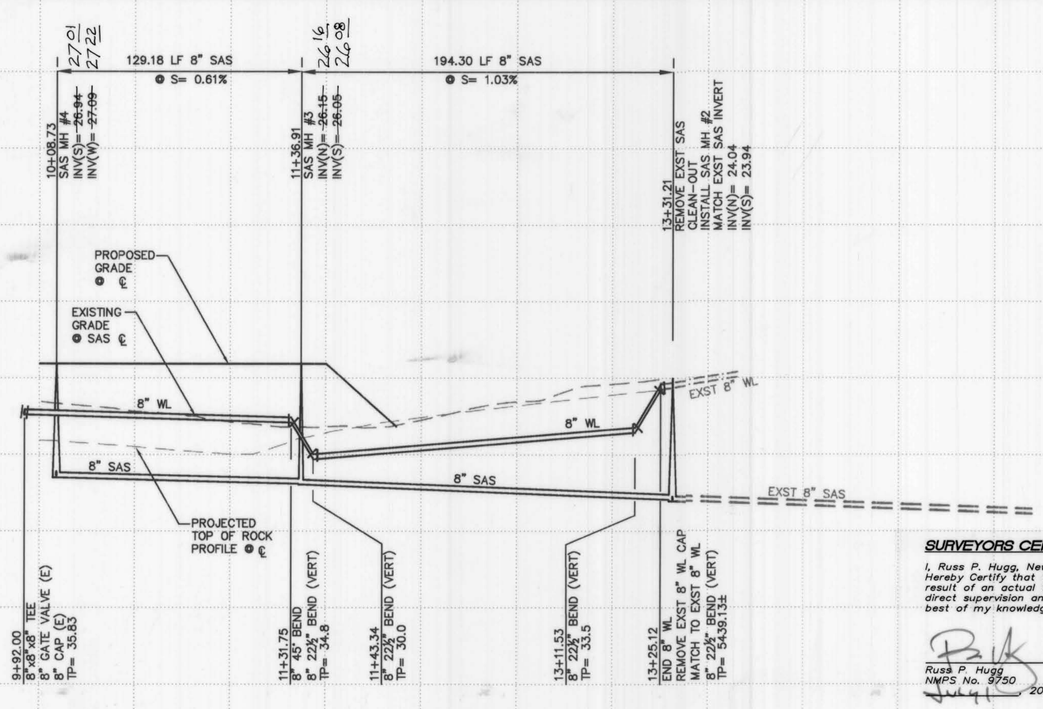
(for NEW MEXICO UTILITIES, INC.) DATE 7-12-04



OFFSITE UTILITIES

SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NCVD 29



SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
July 4, 20 05

PROFESSIONAL SURVEYOR STATE OF NEW MEXICO No. 9750 RUSS P. HUGG

GENERAL NOTES

1. CONSTRUCT SAS SERVICES PER NMUI STANDARD SPECS.
2. CONSTRUCT ALL SINGLE & DOUBLE WATER SERVICES PER NMUI STANDARD SPECS, EXHIBITS A, B, C, & D.
3. SEE SHEET #14 FOR WATER SHUT-OFF PLAN.
4. SEE SHEET #14 FOR RESTRAINED JOINT LENGTHS FOR WATER LINE FITTINGS.
5. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER COA STD DWG #2340 AND NMUI STANDARD SPECS.
6. INSTALL VALVE RING & COVER PER COA STD DWG #2328 AND NMUI STANDARD SPECS.
7. INSTALL A CONCRETE COLLAR AROUND ALL SAS MH RIMS AND VALVE BOXES PER NMUI STANDARD SPECS.

LEGEND

- SINGLE WATER METER & BOX
- DOUBLE WATER METER & BOX
- GATE VALVE W/ VALVE BOX
- FIRE HYDRANT
- SAS MANHOLE
- WATER LINE W/ FITTING

EASEMENT DATA

(D) 25' PUBLIC WATER, SANITARY SEWER, & PEDESTRIAN ACCESS EASEMENT GRANTED BY

(E) BLANKET PUBLIC WATER, SANITARY SEWER & DRAINAGE EASEMENT GRANTED BY BULK LAND PLAT FILED 12/15/2003, BK 2003C, PG 375

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY SURVTEK DATE 02/05
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY SURVTEK DATE 06/05
DRAWINGS CORRECTED BY SURVTEK DATE 06/05
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS MONUMENT "2-B-10" LOCATED 1 MI.± WEST OF PARADISE BLVD. AND LA PAZ.
ELEVATION: 5429.35 (NGVD 1929)

SURVEY INFORMATION
FIELD NOTES
1. ALDRICH SURVEYING 04/03

ENGINEER'S SEAL
GENEVIEVE L. DONART NEW MEXICO 15088 PROFESSIONAL ENGINEER
7/15/04

NO.	DATE	REMARKS	BY
		REVISIONS	

		DATE
DESIGNED BY	GLD	03/04
DRAWN BY	RFH	03/04
CHECKED BY	GLD	03/04

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
1324B-UTIL5DWGrfh 07/07/04

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: HERITAGE AT THE TRAILS UNIT 2
OFFSITE UTILITY
STA 10+00.00 TO END
UTILITY PLAN & PROFILE

Design Review Committee: APPROVED SEP 23 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT - 4 2004 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 738482 | Zone Map No. C-9-Z | Sheet 19 Of 19