I, Robert M. Oberdorfer, RLA, hereby certify that this project was constructed in general conformance with the approved plans and specifications. "As-built" information shown hereon reflects changes made during the course of the project, and is based upon change order records and information provided by the City of Albuquerque Public Works Department field inspector. No as-built information was provided by the contractor.

Bob Oberdorfer 8/14/98

STATE OF NEW MEXICO
ROBERT M. OBERDORFER
167
REGISTERED LANDSCAPE ARCHITECT

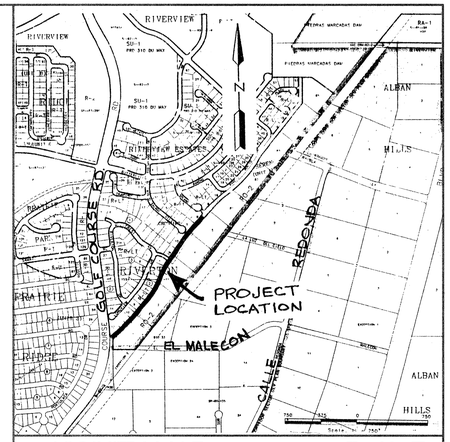
# CONSTRUCTION PLANS FOR

# RIVERVIEW TRAIL

## Golf Course Road to Rancho Solano Court

NOVEMBER 1996

CITY OF Albuquerque




VICINITY MAP D-12-Z

## GENERAL NOTES

1. ALL WORK DETAILED ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION W/UPDATE #6.

2. 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.

3. ALL STATIONING REFERS TO TRAIL CENTERLINE STATIONING.

4. EARTHWORK QUANTITIES ARE BASED ON EMBANKMENT VOLUMES COMPACTED IN PLACE. CONTRACTOR SHALL ALLOW FOR ADDITIONAL SHRINKAGE FOR BIDDING PURPOSES. SEE NOTE 4 ON SHEET 2 FOR FILL GRADATION.

5. CONTRACTOR SHALL WARP SLOPES, AS NEEDED TO STAY WITHIN PUBLIC RIGHT-OF-WAY OR CONSTRUCTION LIMITS, OR TO MEET EXISTING OBSTACLES, AND PROMPTLY CLEAN UP ANY EXCESS EXCAVATED MATERIAL.

6. THE CONTRACTOR SHALL BE RESTRICTED TO THE USE OF A 35 TON NON-VIBRATING ROLLER MAXIMUM TO OBTAIN THE REQUIRED COMPACTION IN EMBANKMENT AND SUBGRADE IN ANY AREAS WHERE THE USE OF HEAVIER EQUIPMENT COULD DAMAGE UNDERGROUND UTILITIES OR OTHER PERMANENT STRUCTURES.

7. 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.

8. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY HIM TO EXISTING WALLS, FENCES, SIDEWALKS, ROAD SURFACES, MANHOLES, CURB AND GUTTER, ETC. DURING CONSTRUCTION AND SHALL REPAIR OR REPLACE SAME AT HIS OWN EXPENSE.

9. 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.

10. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND MAINTAINING ALL EXISTING MONUMENTATION CONTROLS. IN THE EVENT OF INADVERTENT DESTRUCTION OR ALTERATION, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE CITY CHIEF SURVEYOR.

11. WHEN ABUTTING NEW PAVEMENT TO EXISTING INTERSECTING ASPHALT, SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE AND AT RIGHT ANGLES TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. NO DIRECT PAYMENT WILL BE MADE FOR SAW CUTTING.

12. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO SECURE AND SUPPLY WATER FOR THE PROJECT. THE COST WILL BE INCIDENTAL TO COMPLETION OF THE PROJECT AND NO SEPARATE PAYMENT WILL BE MADE THEREFORE.

### – UTILITIES –

13. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE @ 260-1990 FOR LOCATION OF EXISTING UTILITIES.

14. CONTRACTOR SHALL SUPPORT ALL EXISTING UNDERGROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. ANY DAMAGE RESULTING FROM CONSTRUCTION ACTIVITIES WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

15. CONTRACTOR SHALL ASSIST THE ENGINEER/INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF RECORD DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN OBTAINED AND RECORDED.

16. PNM (PUBLIC SERVICE CO. OF NEW MEXICO) WILL PROVIDE AT NO COST TO THE CITY OR TO 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.

17. ** WARNING ** – EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN 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. (SEE NOTE 14)

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 HIMSELF 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.

### – TRAFFIC –

18. CONTRACTOR SHALL CONDUCT 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 (CONSTRUCTION TRAFFIC CONTROL) OF THE GENERAL CONDITIONS OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION W/UPDATE #6.

19. THREE (3) 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 (768-2551) PRIOR TO OCCUPYING AN INTERSECTION.

20. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.

21. ALL SIGNS AND CODING WILL BE IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" CURRENT EDITION, AS PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION.

### – ENVIRONMENTAL –

22. THE CONTRACTOR SHALL PROPERLY HANDLE AND DISPOSE OF ALL ASPHALT PAVEMENT MATERIAL REMOVED ON THE PROJECT BY: PLACING WITHIN NEW ROADWAY PRISM; RECYCLING; STOCKPILING; AND/OR, HAULING TO AN APPROVED LANDFILL; IN ACCORDANCE WITH THE REGULATIONS OF THE NEW MEXICO SOLID WASTE ACT.

23. ITEMS DESIGNATED FOR REMOVAL WITHOUT SALVAGE, UNSUITABLE CONSTRUCTION MATERIALS AND DEBRIS FROM CLEARING AND GRUBBING, ARE TO BE PLACED IN AN ENVIRONMENTALLY SUITABLE DISPOSAL SITE DECIDED UPON BY THE CONTRACTOR AND COORDINATED WITH THE APPROPRIATE REGULATORY AGENCIES. THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER IN WRITING OF THE DETAILS OF DISPOSAL OPERATIONS. BORROW MATERIAL, ROCK WASTE, VEGETATIVE DEBRIS, ETC. SHALL NOT BE PLACED IN WETLAND AREAS OR AREAS WHICH MAY IMPACT ENDANGERED SPECIES OR ARCHAEOLOGICAL RESOURCES. AN ARCHAEOLOGICAL SURVEY AND ENVIRONMENTAL CLEARANCE SHALL BE OBTAINED BY THE CONTRACTOR BEFORE DISPOSAL SITES ARE ACCEPTED.

24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING AND CLEANUP OF SPILLS ASSOCIATED WITH PROJECT CONSTRUCTION AND SHALL REPORT AND RESPOND TO SPILLS OF HAZARDOUS MATERIALS SUCH AS GASOLINE, DIESEL, MOTOR OILS, SOLVENTS, CHEMICALS, TOXIC AND CORROSIVE SUBSTANCES, ETC. WHICH MAY BE A THREAT TO PUBLIC HEALTH OR THE ENVIRONMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING DISCOVERIES OF PAST SPILLS AND OF CURRENT SPILLS NOT ASSOCIATED WITH CONSTRUCTION. REPORTS SHALL BE MADE IMMEDIATELY TO THE NM ENVIRONMENT DEPARTMENT EMERGENCY RESPONSE AT 827-4308 OR 470-3657.

25. THE AIR POLLUTION CONTROL REGULATIONS OF THE ALBUQUERQUE-BERNALILLO COUNTY AIR QUALITY CONTROL BOARD LIMIT EMISSIONS OF PARTICULATE MATTER AND THE USE OF CUT BACK ASPHALT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CLARIFY THESE RESTRICTIONS WITH THE ENVIRONMENTAL HEALTH DEPARTMENT PRIOR TO SUBMITTAL OF BIDS TO AVOID CONFLICT WITH THE REGULATIONS. CALL THE ENVIRONMENTAL HEALTH DEPARTMENT AT 768-2600.

### – REVEGETATION –

26. PRIOR TO SEEDING, CONTRACTOR SHALL DEEP RIP ALL AREAS OF HARD COMPACTED DIRT (HAUL ROADS, CONTRACTOR STORAGE AREAS, ETC.) WITHIN SEEDING LIMITS TO A DEPTH OF 8"-12" AND LEAVE SOIL ROUGH.

## INDEX OF SHEETS


| TITLE | SHEET |
|---|---|
| COVER SHEET AND GENERAL NOTES | 1 |
| PLAN AND PROFILE SHEETS | 2 – 5 |
| TYPICAL SECTIONS | 6 |
| DRIVEWAY DETAILS | 7 |
| MISCELLANEOUS DETAILS | 8 |
| CROSS-SECTIONS | 9 – 11 |


FOR INFORMATION ONLY

APPROVAL OF DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Leo Chang
DATE 9/15/99


Resource Technology, Inc.
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CIVIL - ENVIRONMENTAL - WATER RESOURCES - RECREATION - PLANNING
2129 Osuna Road NE, Suite 200 – Albuquerque, New Mexico
(505) 345-3115


| REV. | SHEET | CITY ENGINEER | DATE | USER DEPARTMENT | DATE | USER DEPARTMENT | DATE |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| ENGINEERS STAMP & SIGNATURE | APPROVALS | ENGINEER | DATE | ********** |
|---|---|---|---|---|
| STATE OF NEW MEXICO ROBERT M. OBERDORFER 167 REGISTERED LANDSCAPE ARCHITECT 8/14/97 | DRC Chairman | Billy J. Goolsby | 4/8/97 | APPROVED FOR CONSTRUCTION |
| | Transportation | | 3/4/97 | |
| | Water/Wastewater | | 2/21/97 | |
| | Hydrology | | 3/6/97 | |
| | Parks | | | |
| | Const. Mngmt. | | | City Engineer Date |
| | AMAFCA | | | |
| | City Project No. 5312.90 | | | Sheet 1 Of 11 |

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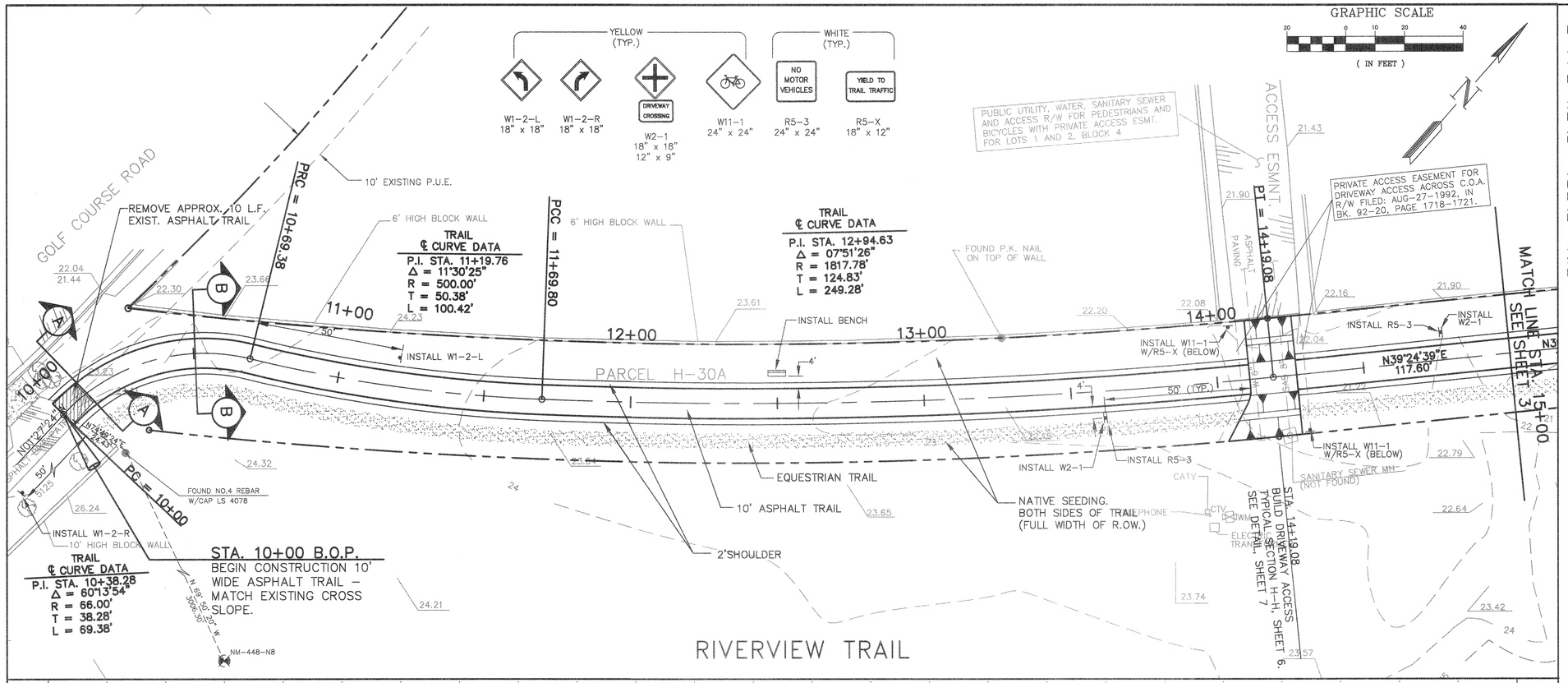


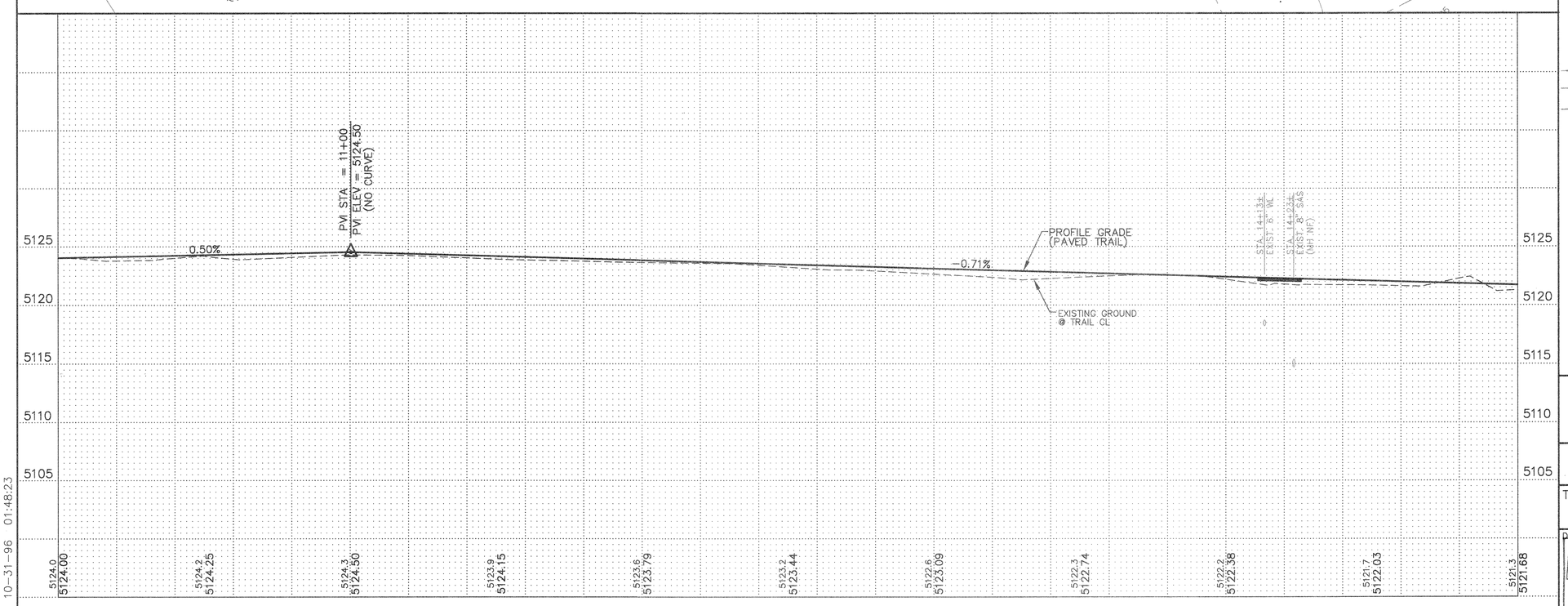


NOTES:

1. STA. 10+00 TO STA. 10+50 TRANSITION TRAIL CROSS-SLOPE FROM LEFT TO RIGHT. FOR TYPICAL SECTIONS, SEE SHEET 6.

2. EQUESTRIAN TRAIL SHOWN FOR INFORMATIONAL PURPOSES ONLY. NO ADDITIONAL WORK REQUIRED BY CONTRACTOR UNLESS SPECIFICALLY INDENTIFIED ON PLANS.

3. STA. 12+50 OFFSET 9' LEFT~ INSTALL 6' BENCH (LANDSCAPE FORMS INC., MODEL PK3005-BS-72 W/EMBEDDED SUPPORT XQ-E AND "POLYSITE" PLASTIC SEAT INSERT. POWDERCOAT TO BE "GROTTO".)

4. IMPORTED FILL MATERIAL SHALL CONSIST OF SOILS THAT CONFORM TO THE FOLLOWING PHYSICAL CHARACTERISTICS:

| SIEVE SIZE (SQUARE OPENINGS) | % PASSING BY WEIGHT |
|---|---|
| 1 INCH | 100 |
| NO. 4 | 40-100 |
| NO. 200 | 10-60 |

## LEGEND

- NMSP GRID MARKS
- TELEPHONE PEDESTAL
- CABLE TELEVISION BOX
- ELECTRIC TRANSFORMER
- FOUND PROPERTY CORNER
- PROPERTY LINE PC/PT
- EVERGREEN TREE
- FLOW LINE
- 23 — INTERMEDIATE CONTOUR
- 5120 — INDEX CONTOUR
- 22.81 — SPOT ELEVATION
- SANITARY SEWER MANHOLE
- WATER VALVE
- WATER METER
- EDGE OF ASPHALT
- 22.81 / 22.21 — ELEVATION AT FLOW LINE / ELEVATION ON TOP OF CURB
- RIPRAP – BASALT
- RIPRAP – ENGINEERED
- NEW DROP STRUCTURE
- NEW SIGN
- NEW HANDRAIL

SCALE: 1"= 20' HORIZ.
1"= 5' VERT.


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AS BUILT INFORMATION

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| CONTRACTOR | | |
| WORK STAKED BY | | DATE |
| WORK INSPECTED BY | | DATE |
| FIELD VERIFICATION BY | | DATE |
| DRAWINGS CORRECTED BY | | DATE |

MICRO-FILM INFORMATION

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| RECORDED BY | DATE |
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BENCH MARKS

HORIZ.NM 448-N8 A STANDARD NMSHC BRASS TABLET LOCATED EAST SIDE OF COORS RD. (NM 448), APPROX. 800' SO. OF EL MALECON RD. NW
NORTHING: 1514838.11
EASTING: 372524.25

VERT: 2-D11 A SQUARE " " CHISELED ON TOP OF CURB WSW CURB RET. AT THE INTER. OF TAYLOR RANCH DR. & HOMESTEAD CIR. ELEV. = 5133.30

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
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ENGINEERS SEAL

STATE OF NEW MEXICO — REGISTERED PROFESSIONAL ENGINEER — 10011 — REGISTERED LANDSCAPE ARCHITECT

REVISIONS

| NO. | DATE | REMARKS | BY |
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DESIGN

| | | | |
|---|---|---|---|
| DESIGNED BY | RMO | DATE | AUG 1996 |
| DRAWN BY | PMT | DATE | AUG 1996 |
| CHECKED BY | RMO, GN | DATE | AUG 1996 |

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
DESIGN AND DEVELOPMENT

TITLE: **RIVERVIEW TRAIL**
**STA. 10+00 TO STA. 15+00**
**PLAN AND PROFILE**

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

| City Project No. | Zone Map No. | Sheet | Of |
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| 5312.90 | D - 12 | 2 | 11 |

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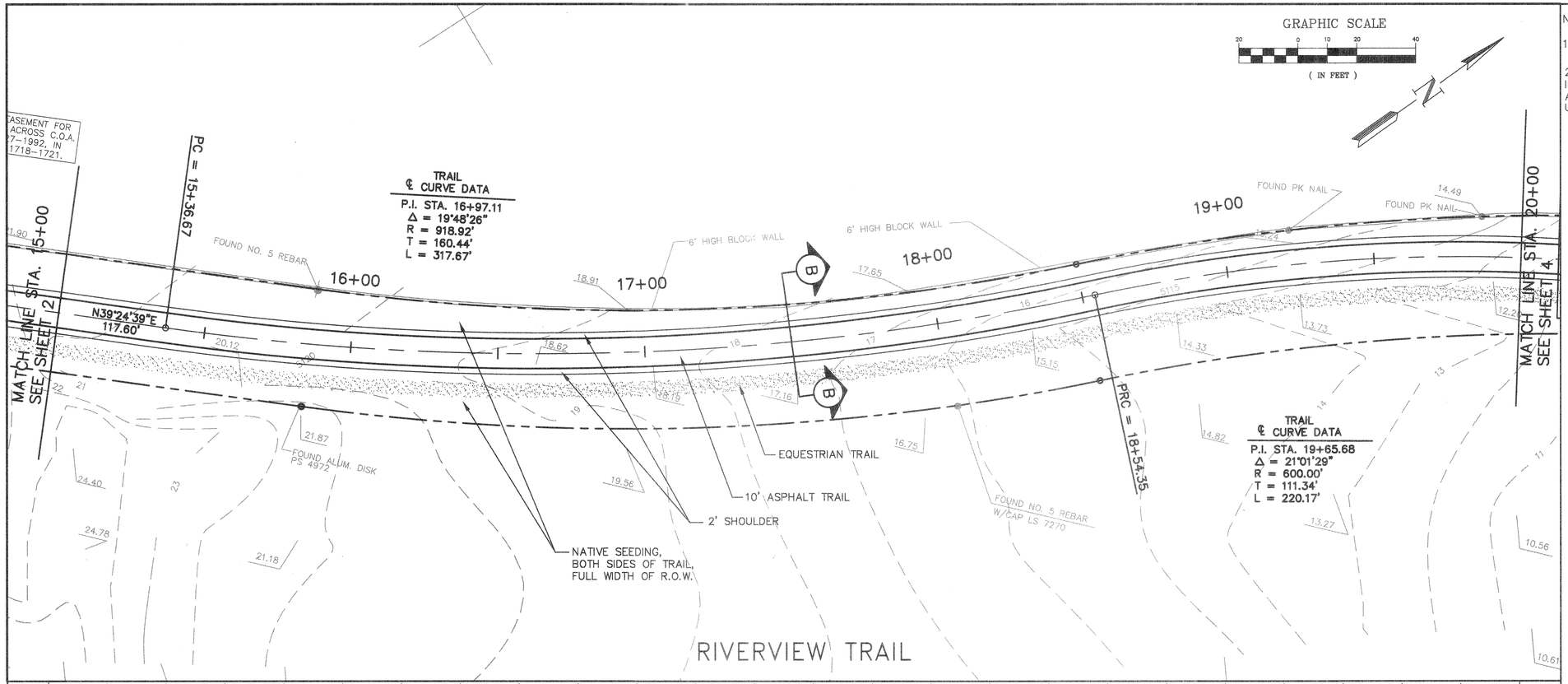


NOTES:

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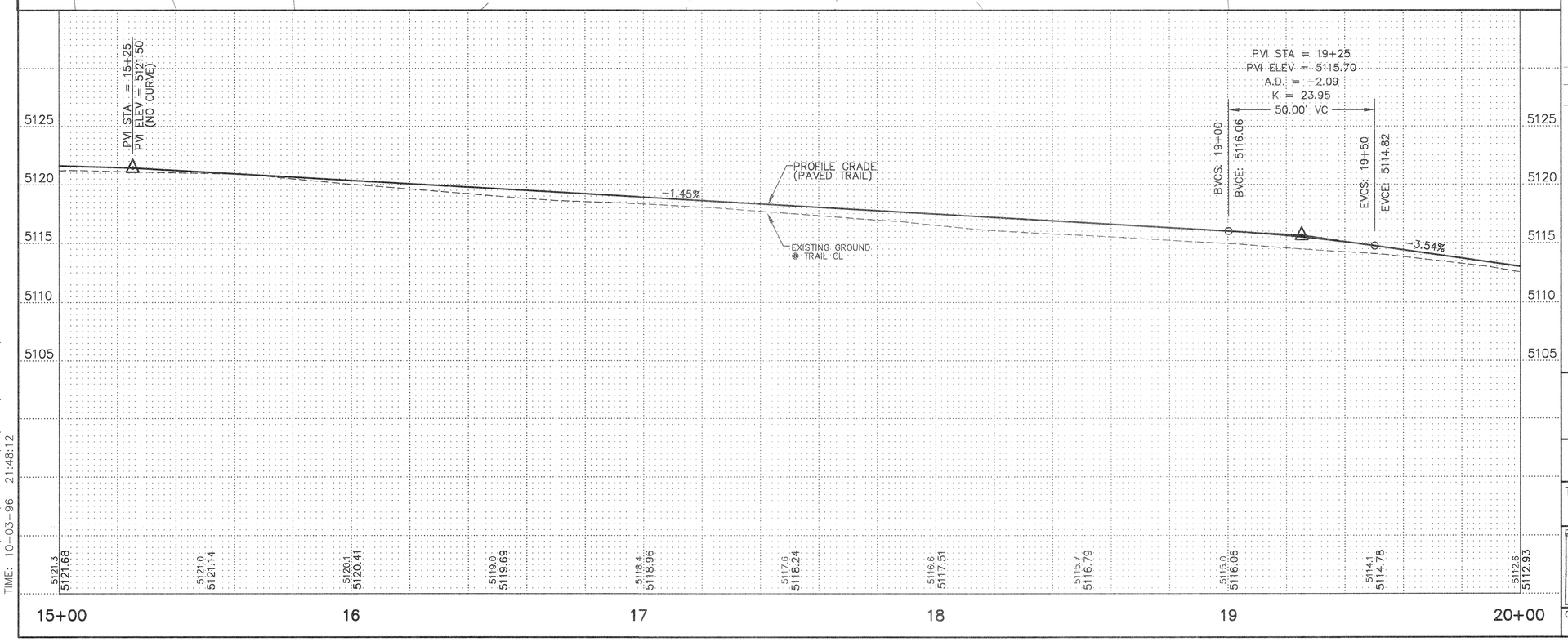


## LEGEND

- NMSP GRID MARKS
- TELEPHONE PEDESTAL
- CABLE TELEVISION BOX
- ELECTRIC TRANSFORMER
- FOUND PROPERTY CORNER
- PROPERTY LINE PC/PT
- EVERGREEN TREE
- FLOW LINE
- INTERMEDIATE CONTOUR (23)
- INDEX CONTOUR (5120)
- SPOT ELEVATION (22.81)
- SANITARY SEWER MANHOLE
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SCALE: 1"= 20' HORIZ.
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| CONTRACTOR | |
| WORK STAKED BY | DATE |
| INSPECTOR ACCEPTANCE BY | DATE |
| FIELD VERIFICATION BY | DATE |
| DRAWINGS CORRECTED BY | DATE |

MICRO-FILM INFORMATION

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| RECORDED BY | DATE |
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BENCH MARKS

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| LOCATED EAST SIDE OF COORS RD. (NM 448), APPROX. | |
| 800' SO. OF EL MALECON RD. NW | |
| NORTHING: 1514838.11 | |
| EASTING: 372524.25 | |
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| WSW CURB RET. AT THE INTER. OF TAYLOR RANCH DR. & | |
| HOMESTEAD CIR. ELEV. = 5133.30 | |

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
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ENGINEERS SEAL

STATE OF NEW MEXICO — ROBERT M. LINDSAY — REGISTERED PROFESSIONAL ENGINEER & LANDSCAPE ARCHITECT

REVISIONS

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
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DESIGN

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|---|---|---|---|
| DESIGNED BY | RMO | DATE | AUG 1996 |
| DRAWN BY | PMT | DATE | AUG 1996 |
| CHECKED BY | RMO, GN | DATE | AUG 1996 |

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
DESIGN AND DEVELOPMENT

TITLE: **RIVERVIEW TRAIL**
**STA. 15+00 TO STA. 20+00**
**PLAN AND PROFILE**

Design Review Committee — APPROVED — DESIGN REVIEW COMMITTEE

City Engineer Approval

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

| City Project No. | Zone Map No. | Sheet | Of |
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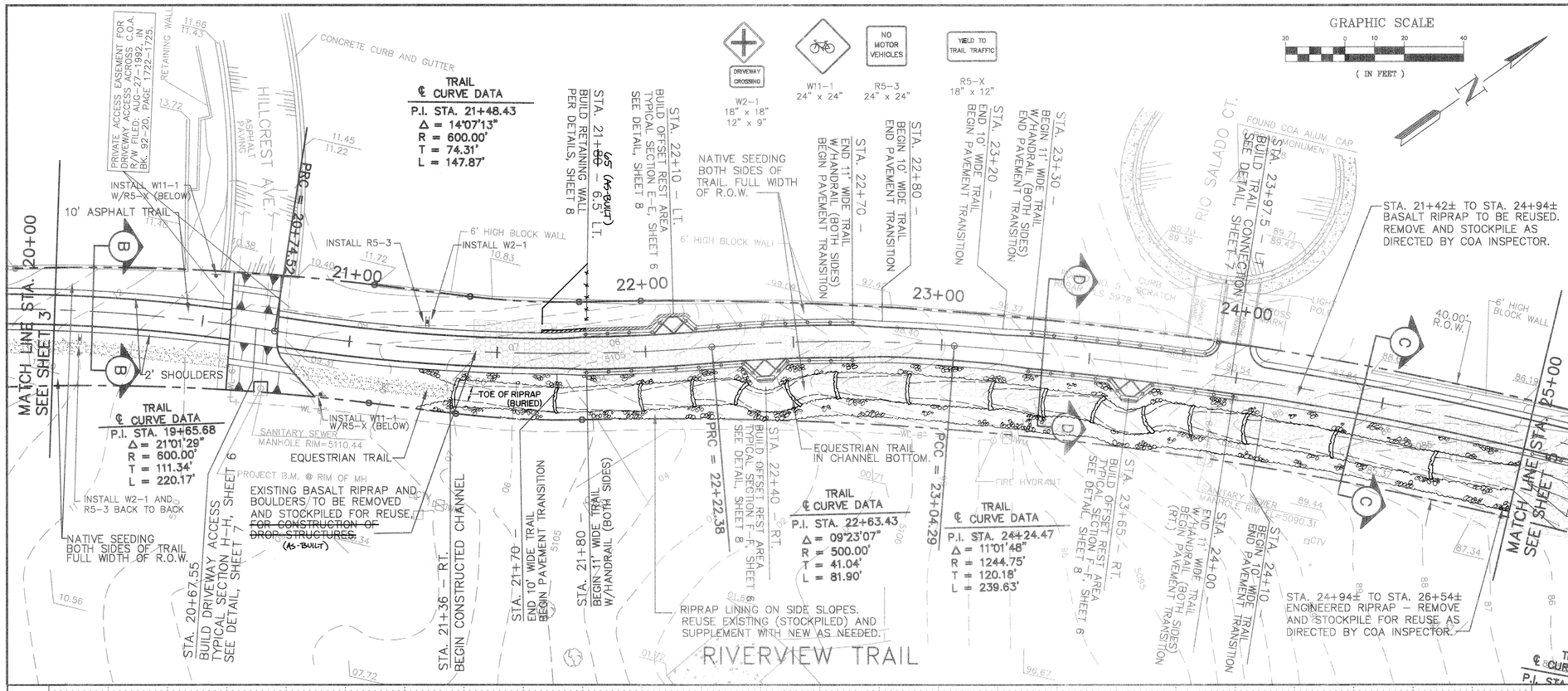





NOTES:

1. FOR TYPICAL SECTIONS, SEE SHEET 6.

2. ENGINEERED RIPRAP AND BASALT RIPRAP TO BE STOCKPILED SEPARATELY. ENGINEERED RIPRAP TO BE REUSED AS CHANNEL SIDE SLOPE AND DESILTING BASIN LINING (SUPPLEMENT WITH NEW AS NECESSARY). ~~BASALT RIPRAP TO BE USED~~ FOR CONSTRUCTION OF DROP STRUCTURES (SEE DETAILS, SHEET 8). ANY REMAINING BASALT RIPRAP SHALL BE PLACED ON STEEPENED SLOPE WEST OF TRAIL BETWEEN STA. 21+00 AND STA. 22+50, AT DIRECTION OF LANDSCAPE ARCHITECT.

3. CONSTRUCT DROP STRUCTURES AND SLOPE PROTECTION TO LINES AND GRADES SHOWN. AFTER CONSTRUCTION HAS BEEN COMPLETED AND APPROVED, CHANNEL SHALL BE BACKFILLED LEVEL WITH TOP OF EACH DROP STRUCTURE WITH CLEAN GRANULAR FILL.

4. STA. 22+40 AND STA. 23+65 ~ OFFSET 12' RIGHT – INSTALL 6' BENCH ~~(LANDSCAPE FORMS, INC. MODEL PK3005 BS 72 WITH EMBEDDED SUPPORT XG–E AND "POLYSITE" RECYCLED PLASTIC SEAT INSERT. POWDERCOAT COLOR TO BE "GROTTO")~~ INSTALL PER MANUFACTURER'S INSTRUCTIONS.

(INSTALLED BENCHES: VICTOR–STANLEY MODEL B, WITH RECYCLED PLASTIC TIMBER SLATS AND ARMRESTS)

## LEGEND

- NMSP GRID MARKS
- TELEPHONE PEDESTAL
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| DRAWINGS CORRECTED BY | DATE |

MICRO–FILM INFORMATION

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SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
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ENGINEERS SEAL

STATE OF NEW MEXICO – ROBERT P. SCHUMANN – 5117 – PROFESSIONAL LANDSCAPE ARCHITECT

REVISIONS

| NO. | DATE | REMARKS | BY | DATE |
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DESIGN

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| DESIGNED BY | RMO | DATE AUG 1996 |
| DRAWN BY | PMT | DATE AUG 1996 |
| CHECKED BY | RMO, GN | DATE AUG 1996 |

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
DESIGN AND DEVELOPMENT

TITLE: **RIVERVIEW TRAIL**
**STA. 20+00 TO STA. 25+00**
**PLAN AND PROFILE**

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

City Project No. 5312.90 | Zone Map No. D – 12 | Sheet 4 Of 11

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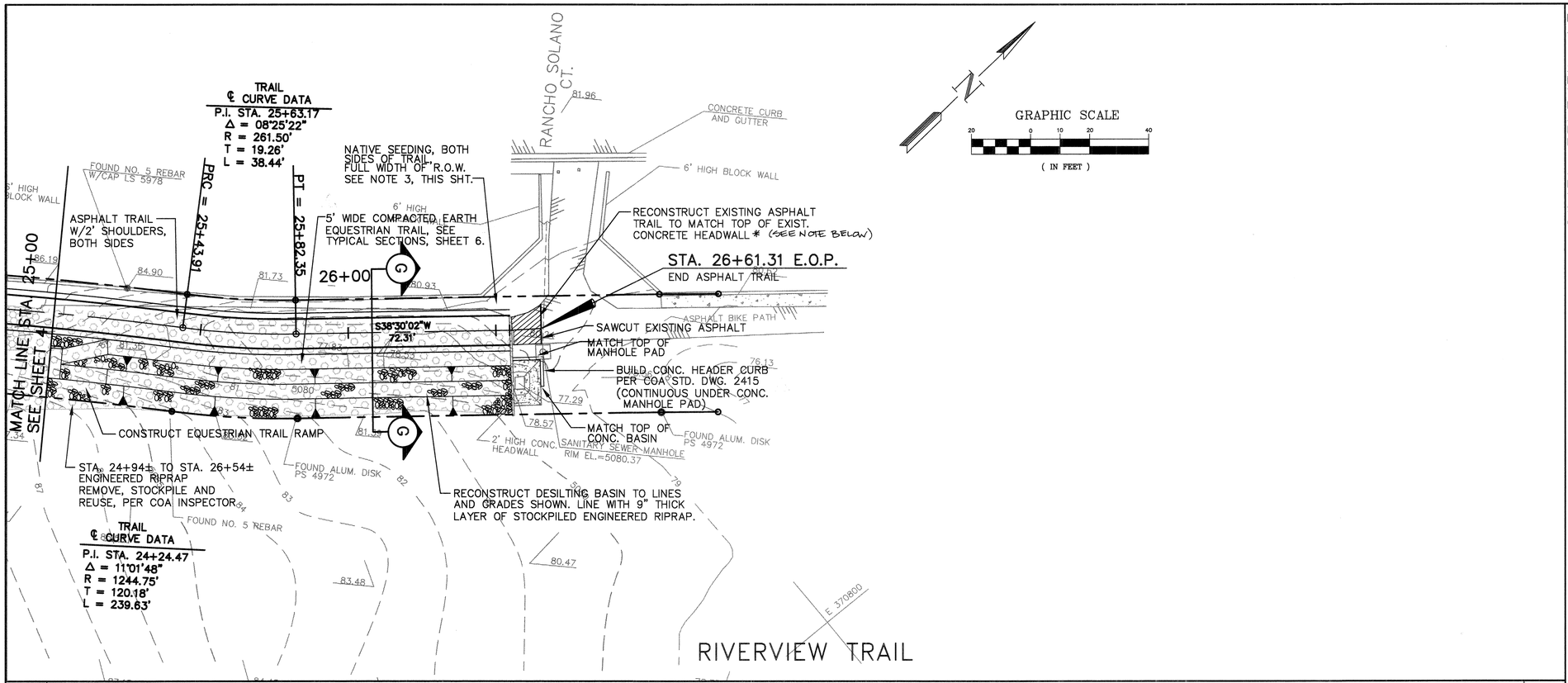


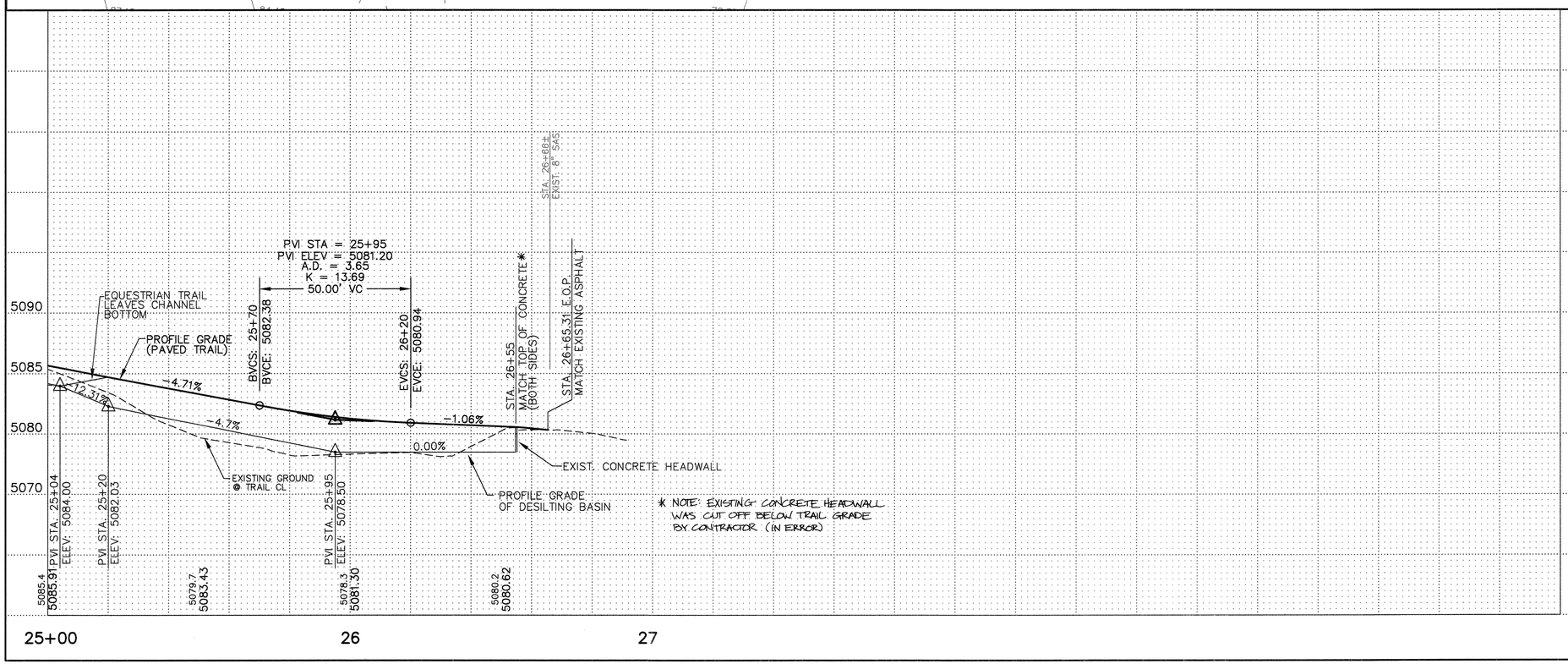


NOTES:

1. FOR TYPICAL SECTIONS, SEE SHEET 6.

2. ENGINEERED RIPRAP AND BASALT RIPRAP TO BE STOCKPILED SEPARATELY. ENGINEERED RIPRAP TO BE REUSED AS CHANNEL SIDE SLOPE AND DESILTING BASIN LINING (SUPPLEMENT WITH NEW AS NECESSARY). BASALT RIPRAP TO BE USED FOR CONSTRUCTION OF DROP STRUCTURES (SEE DETAILS, SHEET 8).

3. NATIVE SEEDING TO BE FULL WIDTH OF R.O.W., INCLUDING AREAS OF RIPRAP SLOPE PROTECTION, WHICH WILL BE SEEDED IN ACCORDANCE WITH SPECIFICATION FOR GRAVEL MULCH SEEDING – COA. STD. SPECIFICATION SECTION 1012.6.2.3.

## LEGEND

- NMSP GRID MARKS
- TELEPHONE PEDESTAL
- CABLE TELEVISION BOX
- ELECTRIC TRANSFORMER
- FOUND PROPERTY CORNER
- PROPERTY LINE PC/PT
- EVERGREEN TREE
- FLOW LINE
- 23 — INTERMEDIATE CONTOUR
- 5120 — INDEX CONTOUR
- 22.81 — SPOT ELEVATION
- SANITARY SEWER MANHOLE
- WATER VALVE
- WATER METER
- EDGE OF ASPHALT
- 22.81 / 22.21 — ELEVATION AT FLOW LINE / ELEVATION ON TOP OF CURB
- RIPRAP – BASALT
- RIPRAP – ENGINEERED
- NEW DROP STRUCTURE
- NEW SIGN
- NEW HANDRAIL

SCALE: 1"= 20' HORIZ.
1"= 5' VERT.


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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
HORIZ: NM 448–N8 A STANDARD NMSHC BRASS TABLET LOCATED EAST SIDE OF COORS RD. (NM 448), APPROX. 800' SO. OF EL MALECON RD. NW
NORTHING: 1514838.11
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SURVEY INFORMATION

| NO. | BY | DATE | FIELD NOTES |
|---|---|---|---|
| | | | |

ENGINEERS SEAL

STATE OF NEW MEXICO — ROBERT M. PARKER — REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT

| NO. | DATE | REVISIONS | BY |
|---|---|---|---|
| | | | |

REMARKS

DESIGN

| | | DATE |
|---|---|---|
| DESIGNED BY | RMO | AUG 1996 |
| DRAWN BY | PMT | AUG 1996 |
| CHECKED BY | RMO, GN | AUG 1996 |

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
DESIGN AND DEVELOPMENT

TITLE: **RIVERVIEW TRAIL**
**STA.25+00 TO STA. 26+61.31**
**PLAN AND PROFILE**

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

| City Project No. | Zone Map No. | Sheet | Of |
|---|---|---|---|
| 5312.90 | D - 12 | 5 | 11 |

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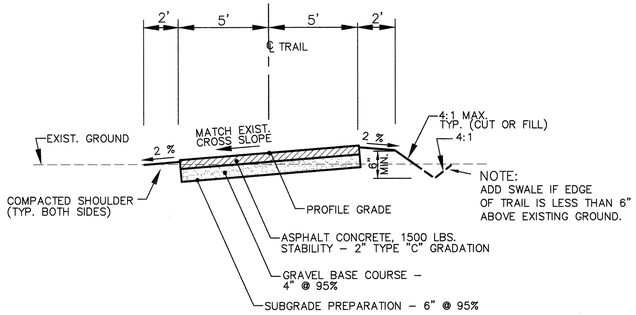
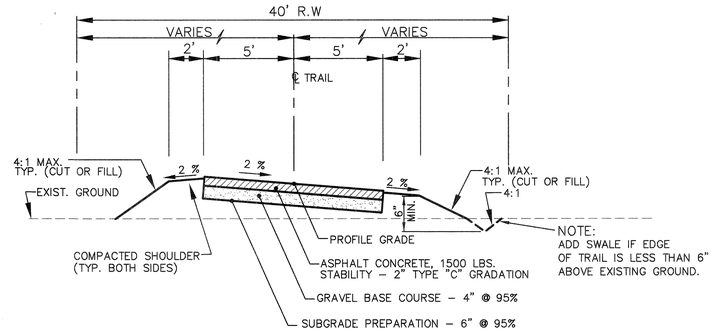



## TYPICAL SECTION A–A

**STA. 10+00 B.O.P**

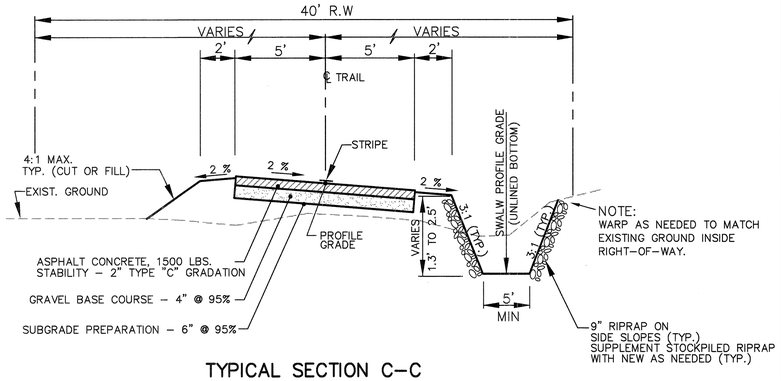
NOT TO SCALE




## TYPICAL SECTION B–B

**STA. 10+50 TO STA. 21+60**

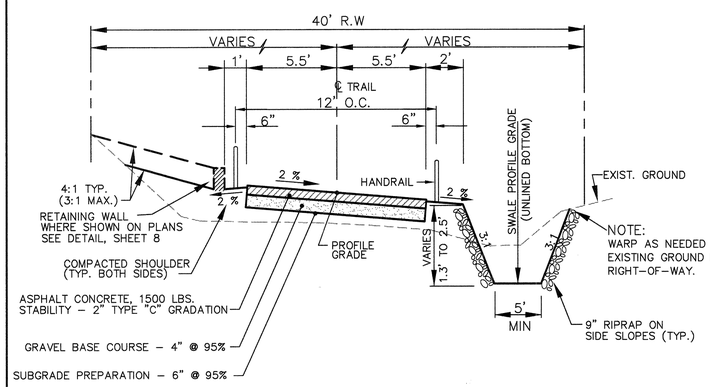
NOT TO SCALE




## TYPICAL SECTION C–C

**STA. 21+60 TO STA. 21+70**
**STA. 22+80 TO STA. 23+20**
**STA. 24+10 TO STA. 25+04**

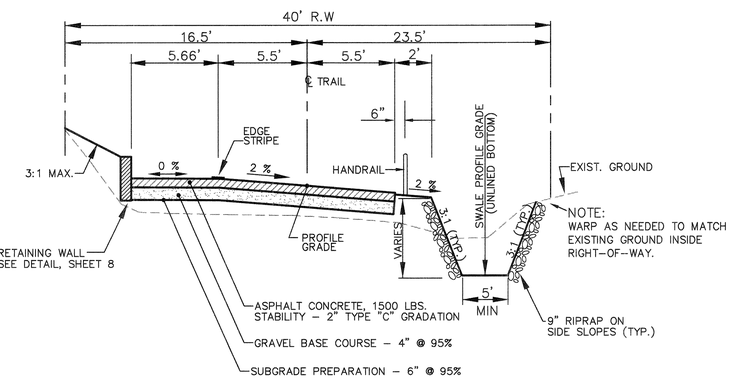
NOT TO SCALE




## TYPICAL SECTION D–D

**STA. 21+80 TO STA. 22+70**
**STA. 23+30TO STA. 24+00**

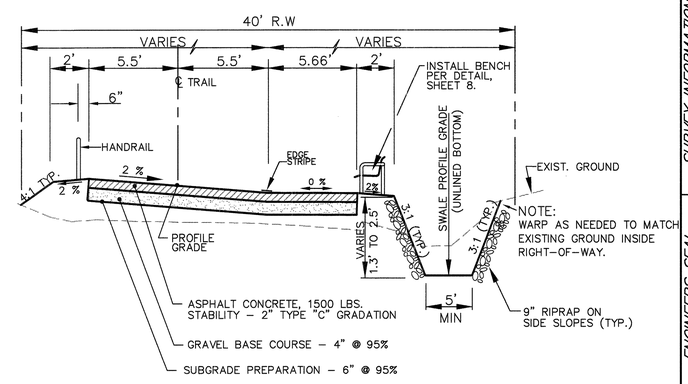
NOT TO SCALE




## TYPICAL SECTION E–E

**TYPICAL REST AREA (LEFT)**
**STA. 22+10**

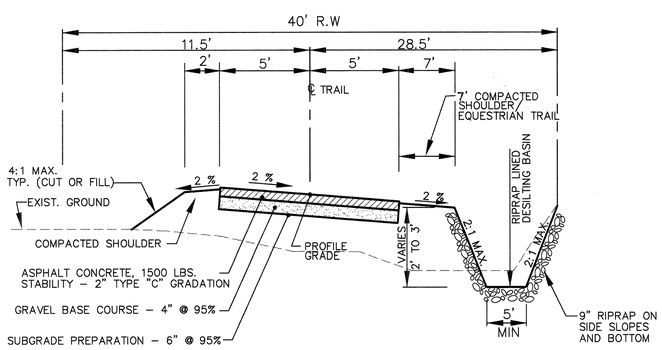
NOT TO SCALE




## TYPICAL SECTION F–F

**TYPICAL REST AREA (RIGHT)**
**STA. 22+40 AND STA. 23+65**

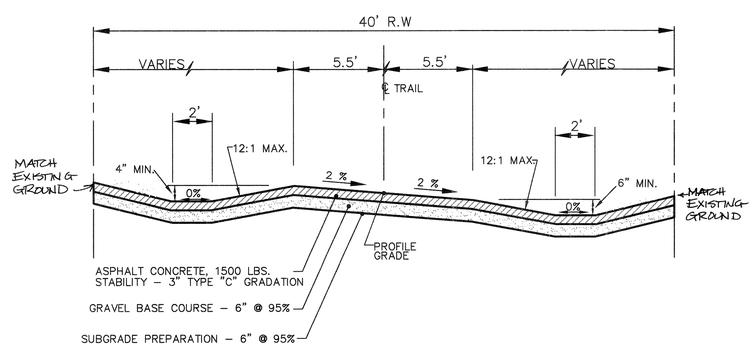
NOT TO SCALE




## TYPICAL SECTION G–G

**STA. 25+04 TO STA.26+54.66**

NOT TO SCALE




## TYPICAL SECTION H–H

**TYPICAL DRIVEWAY CROSSING**
**STA. 14+19.08 AND STA. 20+67.55**

NOT TO SCALE

NOTE:

ALL COMPACTION TO BE IN ACCORDANCE WITH COA STANDARD SPECIFICATIONS, SECTION 300.

SCALE: NONE

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CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
DESIGN AND DEVELOPMENT

TITLE: **RIVERVIEW TRAIL**

**TYPICAL SECTIONS**

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

| City Project No. | Zone Map No. | Sheet | Of |
|---|---|---|---|
| 5312.90 | D - 12 | 6 | 11 |

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
HORIZ: NM 448–N8 A STANDARD NMSHC BRASS TABLET LOCATED EAST SIDE OF COORS RD. (NM 448), APPROX. 800' SO. OF EL MALECON RD. NW
NORTHING: 1514838.11
EASTING: 372524.25
VERT: 2–D11 A SQUARE " " CHISELED ON TOP OF CURB WSW CURB RET. AT THE INTER. OF TAYLOR RANCH DR. & HOMESTEAD CIR. ELEV. = 5133.30

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEERS SEAL
STATE OF NEW MEXICO — ROBERT W. DEE BOOKER — LICENSED PROFESSIONAL LANDSCAPE ARCHITECT

REVISIONS

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | | |

DESIGN

| | | | |
|---|---|---|---|
| DESIGNED BY | RMO | DATE | AUG 1996 |
| DRAWN BY | PMT | DATE | AUG 1996 |
| CHECKED BY | RMO, GN | DATE | AUG 1996 |

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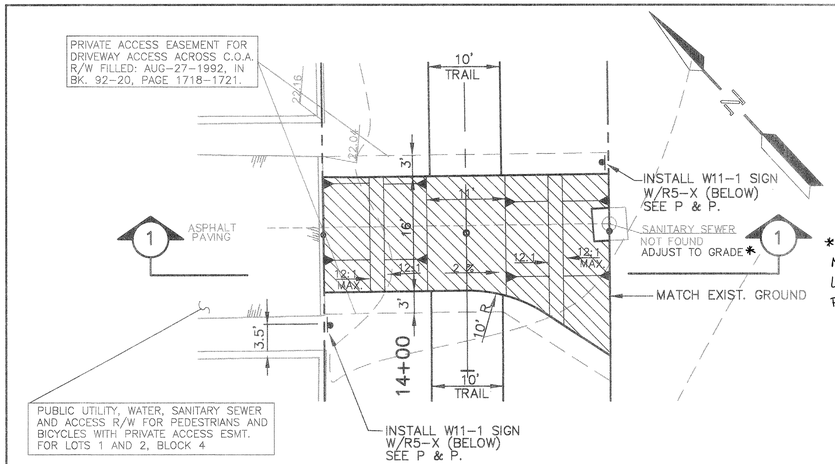
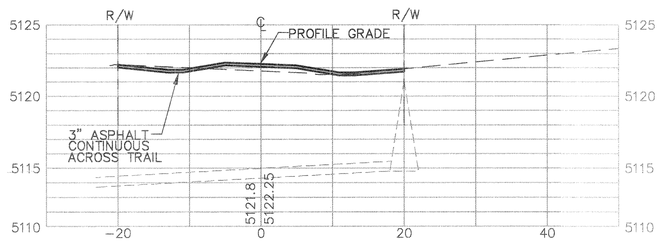


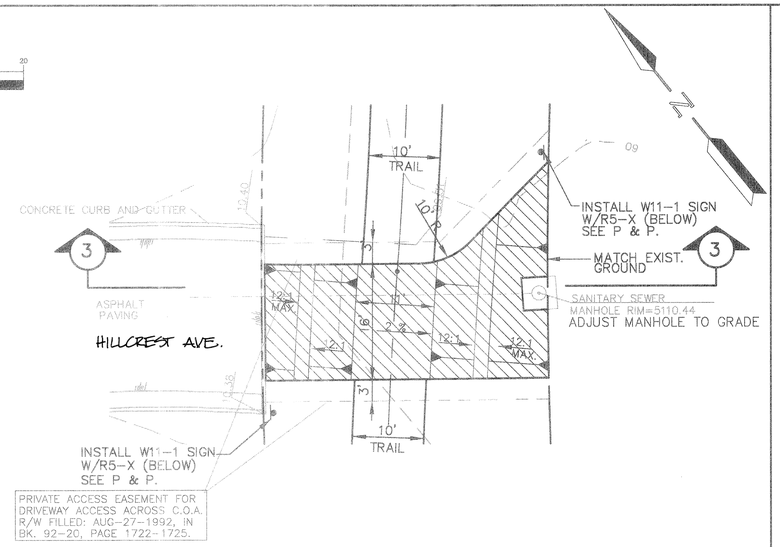

GRAPHIC SCALE

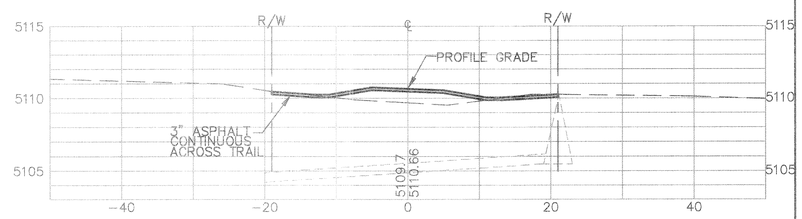
( IN FEET )

*NOTE: CONTRACTOR INDICATED THAT MANHOLE WAS NOT LOCATED ON R.O.W. LINE, AND WAS OUTSIDE OF PROJECT LIMITS. (AS-BUILT)

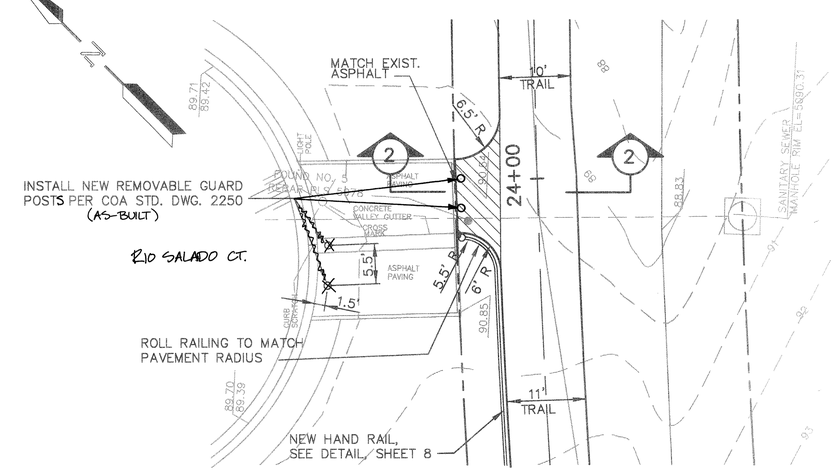


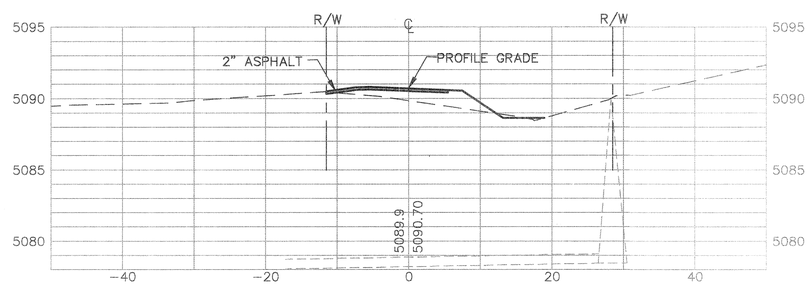

SECTION 1-1
STA. 14+19.08




SECTION 3-3
STA. 20+67.55




SECTION 2-2
STA. 23+97.5

NOTE:

## LEGEND

- GRID MARKS
- TELEPHONE PEDISTAL
- CABLE TELEVISION BOX
- ELECTRIC TRANSFORMER
- FOUND PROPERTY CORNER
- SET PROPERTY CORNER
- EVERGREEN TREE
- FLOW LINE
- INTERMEDIATE CONTOUR
- INDEX CONTOUR
- SPOT ELEVATION
- SANITARY SEWER MANHOLE
- WATER VALVE
- EDGE OF ASPHALT
- ELEVATION ON TOP OF CURB / ELEVATION AT FLOW LINE
- RIPRAP – BASALT
- RIPRAP – ENGINEERED
- NEW SIGN

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

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AS BUILT INFORMATION

| | |
|---|---|
| CONTRACTOR | |
| WORK STAKED BY | DATE |
| WORK INSPECTED ACCEPTANCE BY | DATE |
| FIELD VERIFICATION BY | DATE |
| DRAWINGS CORRECTED BY | DATE |

MICRO-FILM INFORMATION

| | |
|---|---|
| RECORDED BY | DATE |
| NO. | |

BENCH MARKS

HORIZ: NM 448-N8 A STANDARD NMSHC BRASS TABLET LOCATED EAST SIDE OF COORS RD. (NM 448), APPROX. 800' SO. OF EL MALECON RD. NW
NORTHING: 1514838.11
EASTING: 372524.25

VERT: 2-D11 A SQUARE " " CHISELED ON TOP OF CURB WSW CURB RET. AT THE INTER. OF TAYLOR RANCH DR. & HOMESTEAD CIR. ELEV. = 5133.30

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEERS SEAL

SITE OF NEW MEXICO · RICHARD G. STEWART · REG. STATE LANDSCAPE ARCHITECT

REVISIONS

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | | |

DESIGN

| | | DATE |
|---|---|---|
| DESIGNED BY | RMO | AUG 1996 |
| DRAWN BY | PMT | AUG 1996 |
| CHECKED BY | RMO, GN | AUG 1996 |

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
DESIGN AND DEVELOPMENT

TITLE: **RIVERVIEW TRAIL**
**DRIVEWAY DETAILS**

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

| City Project No. | Zone Map No. | Sheet | Of |
|---|---|---|---|
| 5312.90 | D-12 | 7 | 11 |

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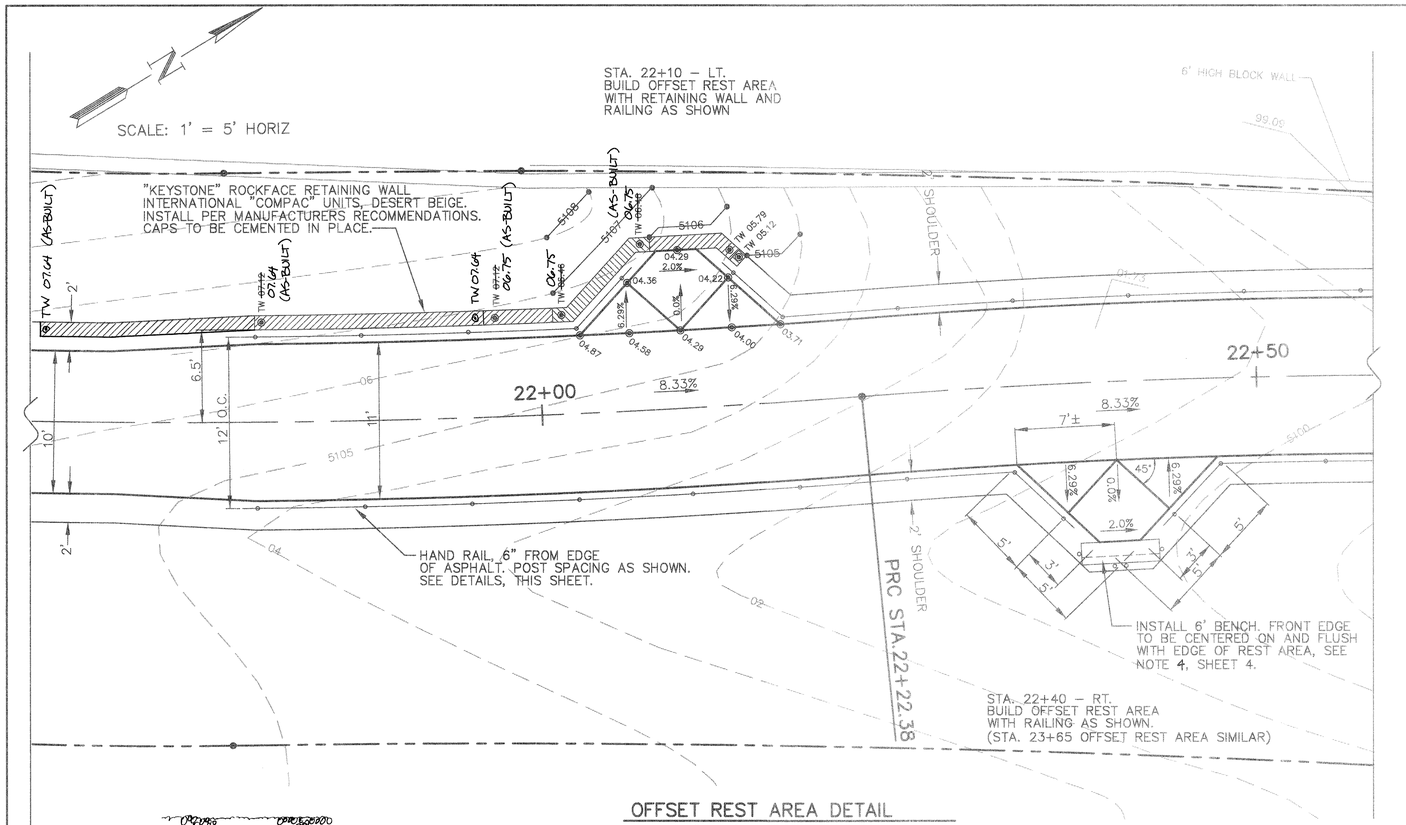
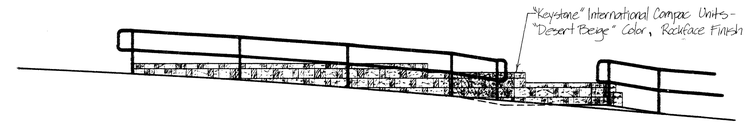


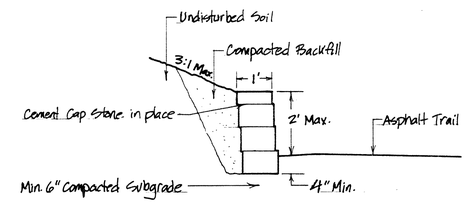

## OFFSET REST AREA DETAIL

SCALE: 1" = 5'



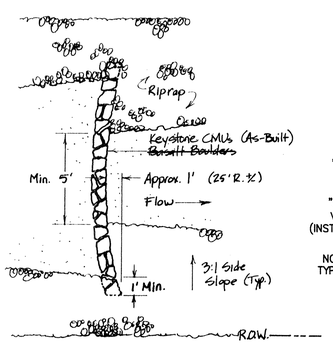

## RETAINING WALL ELEVATION

SCALE: 1" = 5'



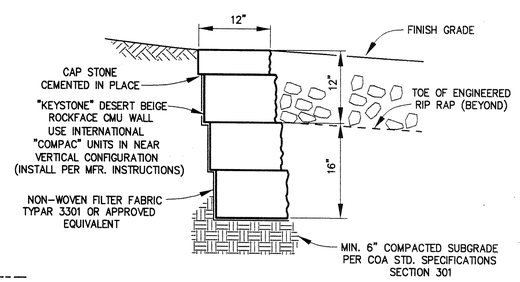

## RETAINING WALL SECTION

SCALE: 1" = 2'




## DROP STRUCTURE PLAN

SCALE: 1" = 4'

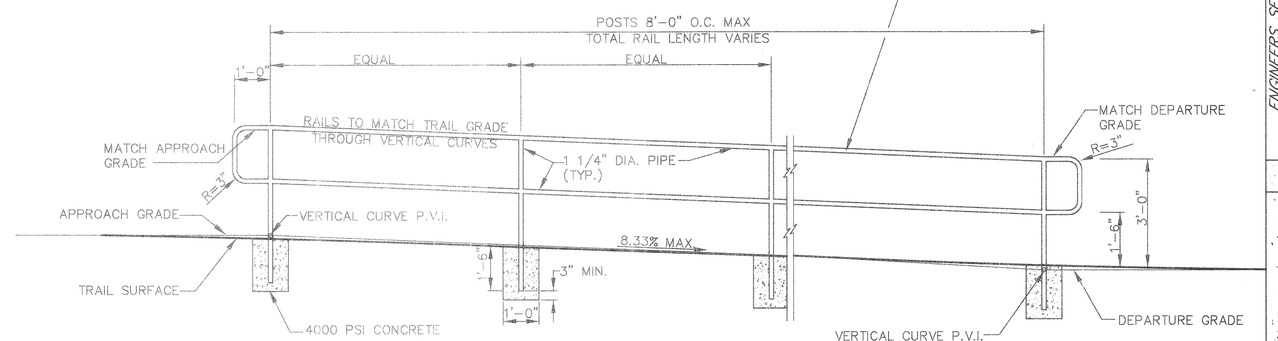



## KEYSTONE DROP STRUCTURE SECTION

SCALE: 1" = 1'

(AS-BUILT)

NOTE: RAILINGS TO BE PAINTED WITH ONE COAT OF ZINC-RICH PRIMER AND TWO COATS OF FINISH COLOR (NEUTRAL TAN OR BEIGE AS APPROVED BY LANDSCAPE ARCHITECT.) SURFACE PREPARATION TO BE IN ACCORDANCE WITH COA STANDARD SPECIFICATIONS.

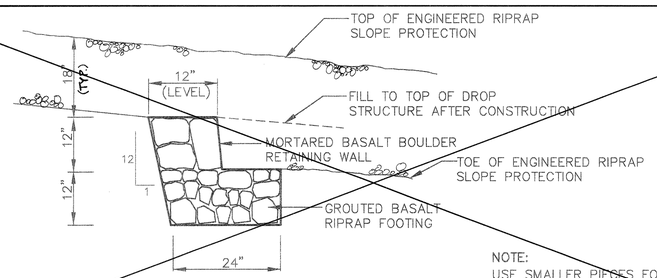



NOTE: HAND RAILINGS TO BE LOCATED WITHIN 6" OF TRAIL EDGE.

## HAND RAIL DETAIL

SCALE: 1" = 2'

SCALE: AS SHOWN



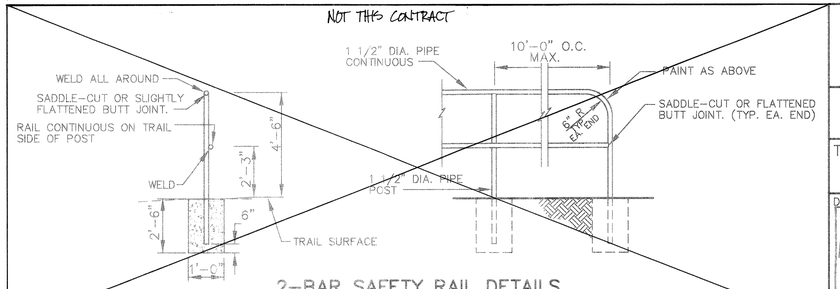

(NOT USED)

## BASALT RIPRAP DROP STRUCTURE DETAIL

NO SCALE

NOTE:
USE SMALLER PIECES FOR FOOTING IN 1' DEEP TRENCH. USE LARGER BOULDERS FOR ABOVE-GRADE DROP STRUCTURE. SLOPE MORTARED WALL SLIGHTLY AT 12V:1H BATTER UPSTREAM. EXTEND 1' (MIN.) INTO EMBANKMENT AT EACH END.

NOT THIS CONTRACT




## 2-BAR SAFETY RAIL DETAILS

NO SCALE

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

HORIZ: NM 448-N8 A STANDARD NMSHC BRASS TABLET LOCATED EAST SIDE OF COORS RD. (NM 448), APPROX. 800' SO. OF EL MALEGON RD. NW
NORTHING: 1514838.11
EASTING: 372524.25

VERT: 2-D11 A SQUARE " " CHISELED ON TOP OF CURB WSW CURB RET. AT THE INTER. OF TAYLOR RANCH DR. & HOMESTEAD CIR. ELEV. = 5133.30

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEERS SEAL

STATE OF NEW MEXICO — ROBERT D. MONTOYA — LANDSCAPE ARCHITECT

REVISIONS

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | | |

DESIGN

| | | | |
|---|---|---|---|
| DESIGNED BY | RMO | DATE | AUG 1996 |
| DRAWN BY | PMT | DATE | AUG 1996 |
| CHECKED BY | RMO, GN | DATE | AUG 1996 |

Resource Technology, Inc.
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(505) 345-3115

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
DESIGN AND DEVELOPMENT

TITLE: **RIVERVIEW TRAIL**

**MISCELLANEOUS DETAILS**

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

| City Project No. | Zone Map No. | Sheet | Of |
|---|---|---|---|
| 5312.90 | D-12 | 8 | 11 |

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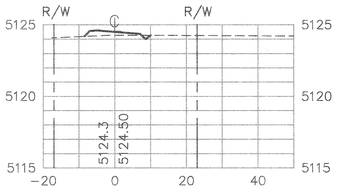
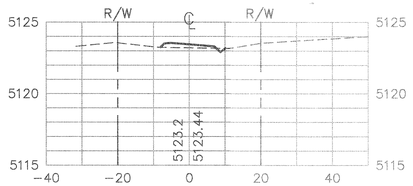



11+00

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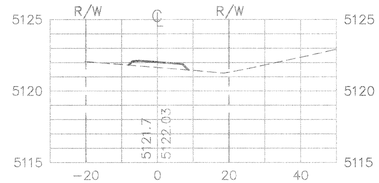
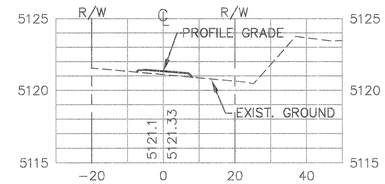
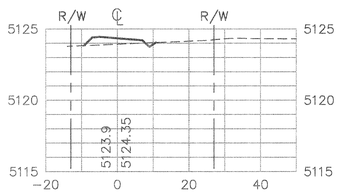


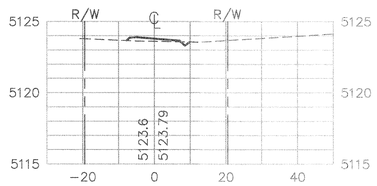

14+50



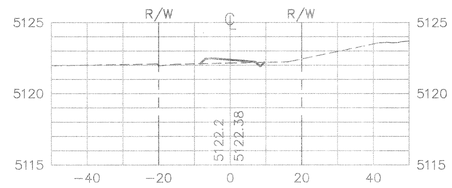

15+36.67



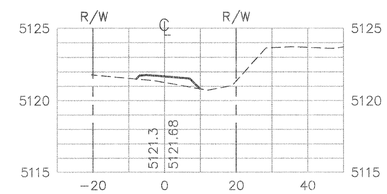

10+69.38



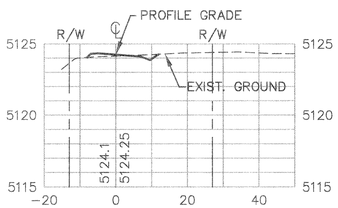

12+00




14+00




15+00

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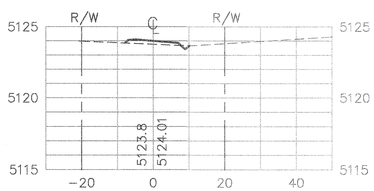
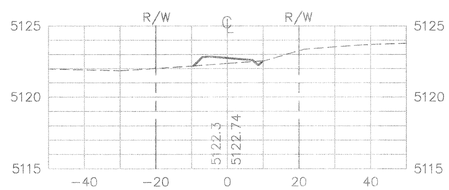
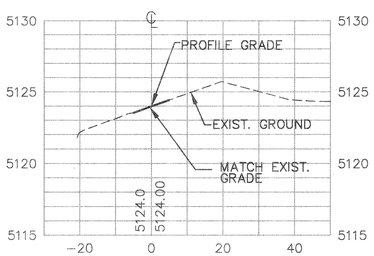


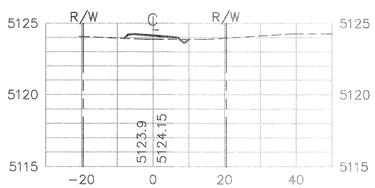

11+69.80



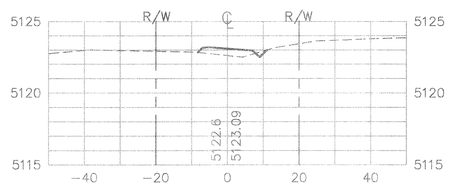

13+50




10+00




11+50




13+00

SCALE: 1"= 20' HORIZ.
1"= 5' VERT.

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(505) 345–3115

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
DESIGN AND DEVELOPMENT

TITLE: **RIVERVIEW TRAIL**

**CROSS SECTIONS**
**STA. 10+00 TO STA. 15+36.67**

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

| City Project No. | Zone Map No. | Sheet | Of |
|---|---|---|---|
| 5312.90 | D - 12 | 9 | 11 |

AS BUILT INFORMATION

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

MICRO-FILM INFORMATION

| RECORDED BY | DATE |
|---|---|
| NO. | |

BENCH MARKS

HORIZ: NM 448–N8 A STANDARD NMSHC BRASS TABLET LOCATED EAST SIDE OF COORS RD. (NM 448), APPROX. 800' SO. OF EL MALECON RD. NW
NORTHING: 1514838.11
EASTING: 372524.25

VERT: 2–D11 A SQUARE " " CHISELED ON TOP OF CURB WSW CURB RET. AT THE INTER. OF TAYLOR RANCH DR. & HOMESTEAD CIR. ELEV. = 5133.30

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEERS SEAL

STATE OF NEW MEXICO
ROBERT M. MOTHERSHEAD
LANDSCAPE ARCHITECT

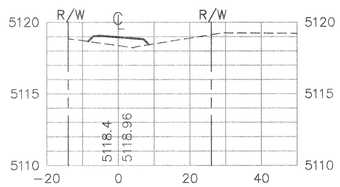
REVISIONS

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | | |

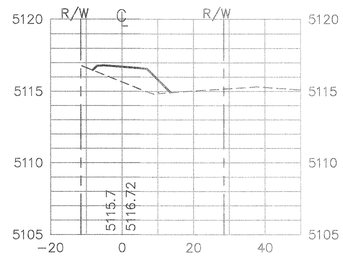
DESIGN

| | | | |
|---|---|---|---|
| DESIGNED BY | RMO | DATE | AUG 1996 |
| DRAWN BY | PMT | DATE | AUG 1996 |
| CHECKED BY | RMO, GN | DATE | AUG 1996 |

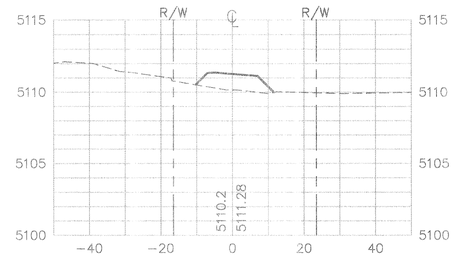
DWG: C:\DATA\93-200L\C:\DATA\93-200L\TOPOWCL
TIME: 09-12-96 21:14:14




17+00

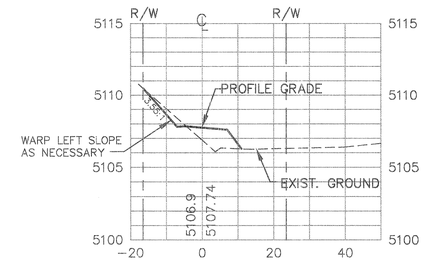



18+54.35

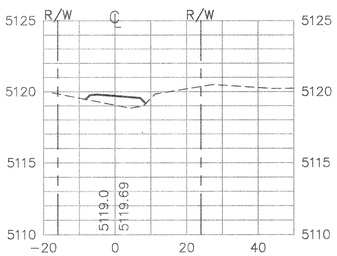



20+50

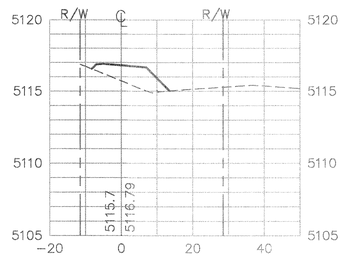
STA. 21+60
BEGIN CONSTRUCTED HORSE TRAIL/
SWALE RIGHT SIDE, 3:1 SIDE SLOPES,
5' BOTTOM WIDTH.




21+50




16+50

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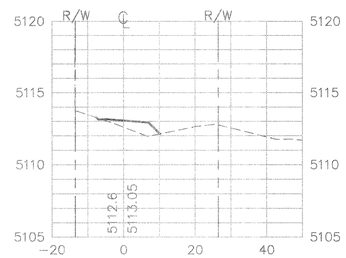
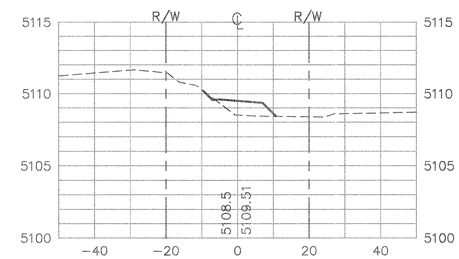
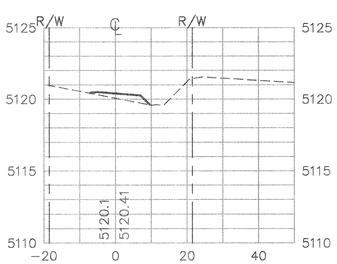



20+00




21+00

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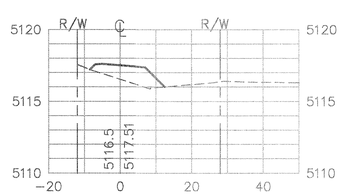


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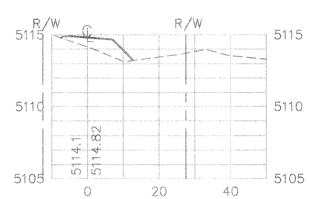
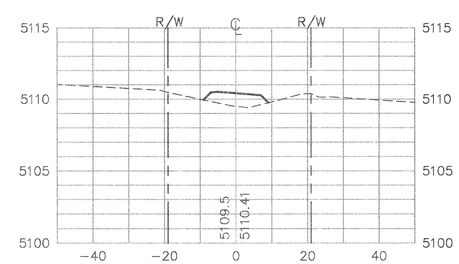
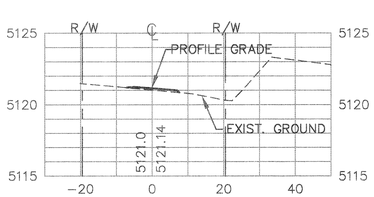


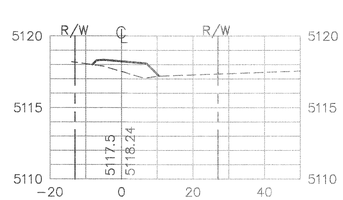

19+50



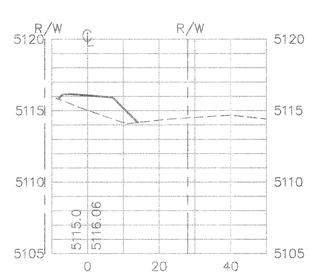

20+74.52




15+50




17+50




19+00

SCALE: 1"= 20' HORIZ.
1"= 5' VERT.

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(505) 345–3115

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
DESIGN AND DEVELOPMENT

TITLE: **RIVERVIEW TRAIL**
**CROSS SECTIONS**
**STA. 15+50 TO STA. 21+50**

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

APPROVED DESIGN REVIEW COMMITTEE

| City Project No. | Zone Map No. | Sheet | Of |
|---|---|---|---|
| 5312.90 | D-12 | 10 | 11 |

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
WORK INSPECTED BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
HORIZ: NM 448-N8 A STANDARD NMSHC BRASS TABLET LOCATED EAST SIDE OF COORS RD. (NM 448), APPROX. 800' SO. OF EL MALECON RD. NW
NORTHING: 1514838.11
EASTING: 372524.25
VERT: 2-D11 A SQUARE " " CHISELED ON TOP OF CURB WSW CURB RET. AT THE INTER. OF TAYLOR RANCH DR. & HOMESTEAD CIR. ELEV. = 5133.30

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEERS SEAL

STATE OF NEW MEXICO — ROBERT MICHAEL OLIVERA — 14729 — REGISTERED PROFESSIONAL ENGINEER

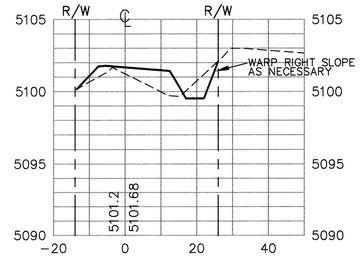
REVISIONS

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | | |

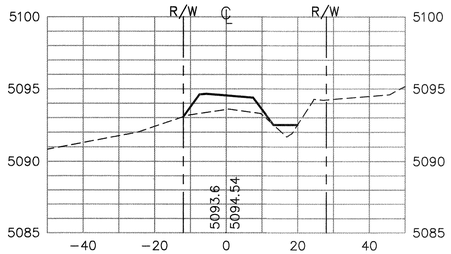
DESIGN

| | | DATE |
|---|---|---|
| DESIGNED BY | RMO | AUG 1996 |
| DRAWN BY | PMT | AUG 1996 |
| CHECKED BY | RMO, GN | AUG 1996 |

DWG: C:\DATA\93-200L\C:\DATA\93-200L\TOPOWCL
TIME: 09-12-96 21:14:14

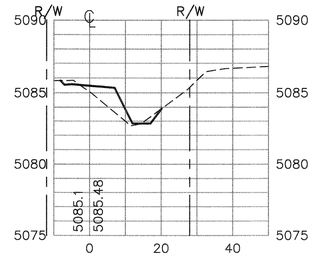



22+40

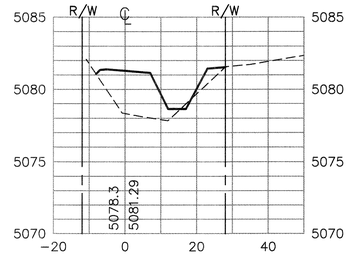



23+50

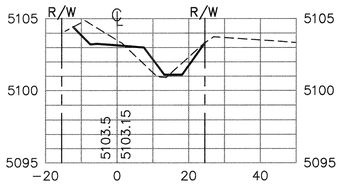
STA. 25+20
BEGIN 2:1 CHANNEL SIDE SLOPES, W/5' HORSE TRAIL ADJACENT TO EAST (RIGHT) SHOULDER



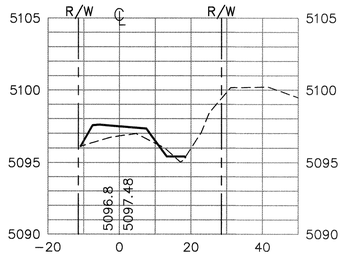

25+04



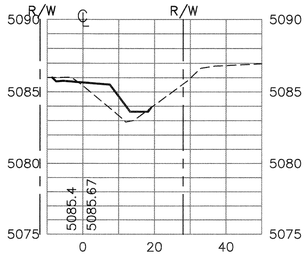

26+00



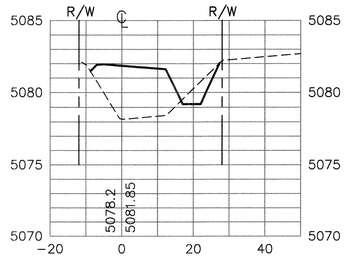

22+22.38



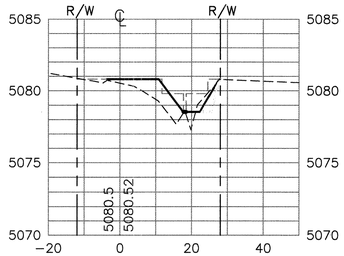

23+04.29




25+00

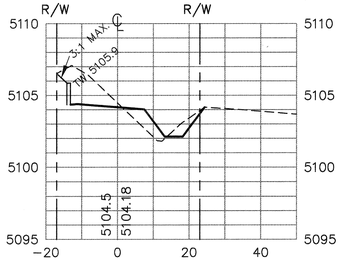



25+82.35

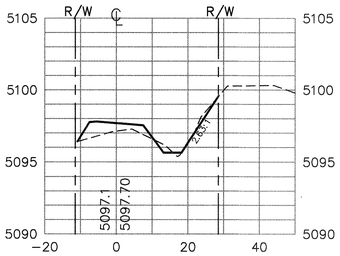



26+54.66

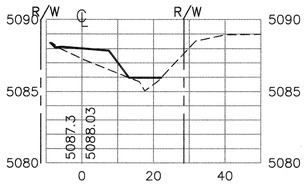
STA. 22+14
END RETAINING WALL – LEFT



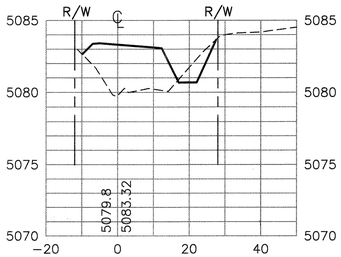

22+10



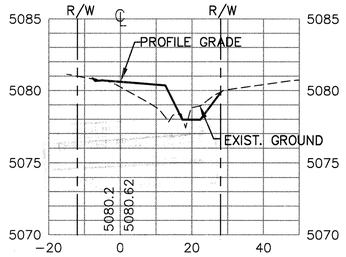

23+00



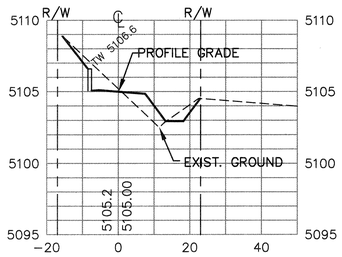

24+50




25+50



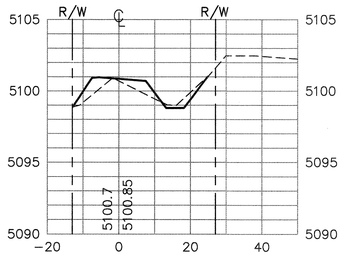

26+50



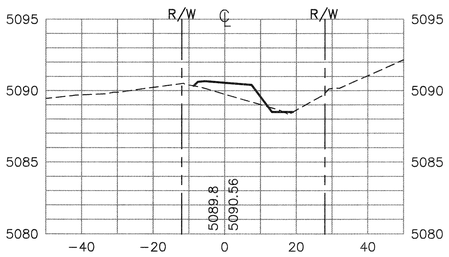

22+00

STA. 21+80
BEGIN RETAINING WALL, LEFT SIDE

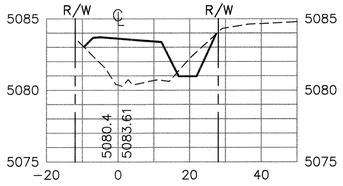
STA. 21+60
BEGIN CONSTRUCTED HORSE TRAIL/ SWALE RIGHT SIDE, 3:1 SIDE SLOPES, 5' BOTTOM WIDTH.




22+50




24+00




25+43.91

SCALE: 1"= 20' HORIZ.
1"= 5' VERT.

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CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
DESIGN AND DEVELOPMENT

TITLE: **RIVERVIEW TRAIL**
**CROSS SECTIONS**
**STA. 22+00 TO 26+54.66**

Design Review Committee: APPROVED APR – 8 1997 DESIGN REVIEW COMMITTEE

City Engineer Approval

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

| City Project No. | Zone Map No. | Sheet | Of |
|---|---|---|---|
| 5312.90 | D-12 | 11 | 11 |

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
HORIZ: NM 448–N8 A STANDARD NMSHC BRASS TABLET LOCATED EAST SIDE OF COORS RD. (NM 448), APPROX. 800' SO. OF EL MALECON RD. NW
NORTHING: 1514838.11
EASTING: 372524.25
VERT: 2–D11 A SQUARE " " CHISELED ON TOP OF CURB WSW CURB RET. AT THE INTER. OF TAYLOR RANCH DR. & HOMESTEAD CIR. ELEV. = 5133.30

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEERS SEAL
STATE OF NEW MEXICO — REGISTERED PROFESSIONAL ENGINEER — RAYMOND M. OBERLY — 12169

REVISIONS

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | | |

DESIGN
DESIGNED BY RMO — DATE AUG 1996
DRAWN BY PMT — DATE AUG 1996
CHECKED BY RMO, GN — DATE AUG 1996