# CONSTRUCTION PLANS

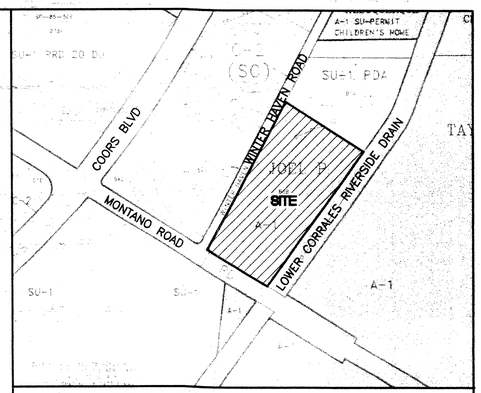
FOR

# BOSQUE MONTANO

# ROAD AND UTILITY IMPROVEMENTS

CITY OF ALBUQUERQUE
NEW MEXICO
JANUARY 2001






VICINITY MAP ZONE ATLAS E-12-Z

SCALE NONE

## NOTICE TO CONTRACTORS

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 (UPDATE #6)

2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.

3. ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES 24-HOUR CONSTRUCTION.

4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

5. FIVE (5) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATIONS DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO(2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO STANDARD SPECIFICATIONS.

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

7. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS. ANY PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THIS PROJECT THAT IS NOT SHOWN ON THE PLAN AND IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT THE DESIGNERS EXPENSE.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- [x] ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- [x] BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- [ ] TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- [x] SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- [ ] IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- [x] ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

RECORD DRAWING

I, Ronald R. Bohannan, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "record drawing" was provided by Aldrich Land Surveying Inc., Field Inspection, or under my supervision and represents the "record" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

10/11/01

## INDEX TO DRAWINGS



APPROVAL OF RECORD DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 12/26/01

DRB #1000556

1/200041/2041TITL.DWG/JDN/12-22-00


TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100


| REV | SHEETS | CITY ENGINEER | DATE | USER DEPT. | DATE | USER DEPT. | DATE |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| ENGINEERS STAMP & SIGNATURE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|
| 01-02-01 | DRC Chairman | | 3-19-01 |
| | Transportation | | 3/10-01 |
| | Water/Wastewater | | 2/26/01 |
| | Hydrology | | 2/26/01 |
| | C.I.P | | |
| | Constr. Mngmt. | | 1-10-1 |
| | MRGCD | | 2/19/01 |

APPROVED FOR CONSTRUCTION

City Engineer Date 4/12/01

CITY PROJECT NO. 654731

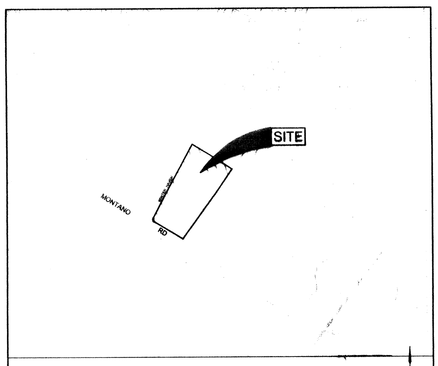
SHEET 1 of 17

RECORDING STAMP

# Plat of
# Bosque Montano Subdivision

Albuquerque, Bernalillo County, New Mexico
December 2000

Application No.
Project No.
Approvals




Location Map
Zone Atlas Map No. E-12-Z

N.T.S.

## Subdivision Data:

GROSS SUBDIVISION ACREAGE: 9.9973 ACRES±
ZONE ATLAS INDEX NO: E-12-Z
NO. OF TRACTS CREATED: 5
NO. OF LOTS CREATED: 61
MILES OF FULL-WIDTH STREETS CREATED: 0.4280 MILES
DATE OF SURVEY: JANUARY 28, 1998, FIELD VERIFIED SEPTEMBER 14, 2000.
MRGCD MAPS 30 AND 31

## Notes:

1. MISC. DATA: ZONING SU-1 PRD
2. BEARINGS SHOWN ARE GRID BEARINGS-N.M. STATE PLANE CENTRAL ZONE NAD 1927
3. ALL DISTANCES ARE GROUND DISTANCES.
4. THIS PROPERTY LIES WITHIN SECTION 25, TOWNSHIP 11 NORTH, RANGE 2 EAST, N.M.P.M., BERNALILLO COUNTY, NEW MEXICO.
5. THE PURPOSE OF THIS PLAT IS TO SUBDIVIDE THE EXISTING TRACT SHOWN HEREON INTO SIXTY-ONE LOTS, FIVE TRACTS, GRANT EASEMENTS AND DEDICATE PUBLIC RIGHT OF WAY.
6. PLAT SHOWS ALL EASEMENTS OF RECORD.
7. SP NO. 01(01)01360446

## Easements

THIS PLAT SHOWS EXISTING RECORDED AND APPARENT EASEMENTS AS NOTED.

PUBLIC UTILITY EASEMENTS SHOWN ON THIS PLAT ARE GRANTED FOR THE COMMON AND JOINT USE OF:

1. PNM ELECTRIC SERVICES FOR INSTALLATION, MAINTENANCE, AND SERVICE OF OVERHEAD AND UNDERGROUND ELECTRICAL LINES, COMMUNICATION FACILITIES, TRANSFORMERS, POLES AND ANY OTHER EQUIPMENT, FIXTURES, STRUCTURES AND RELATED FACILITIES REASONABLY NECESSARY TO PROVIDE ELECTRICAL SERVICE.
2. PNM GAS SERVICES FOR INSTALLATION, MAINTENANCE, AND SERVICE OF NATURAL GAS LINES, VALVES AND OTHER EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE NATURAL GAS.
3. QWEST CORPORATION FOR THE INSTALLATION, MAINTENANCE AND SERVICE OF ALL BURIED AND AERIAL COMMUNICATION LINES AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE COMMUNICATION SERVICES, INCLUDING BUT NOT LIMITED TO ABOVE GROUND PEDESTALS AND CLOSURES.
4. COMCAST CABLE FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF SUCH LINES, CABLE, AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE CABLE TV SERVICE.

INCLUDED IS THE RIGHT TO BUILD, REBUILD, CONSTRUCT, RECONSTRUCT, LOCATE, RELOCATE, CHANGE, REMOVE, MODIFY, RENEW, OPERATE, AND MAINTAIN FACILITIES FOR THE PURPOSES DESCRIBED ABOVE, TOGETHER WITH FREE ACCESS TO, FROM, AND OVER SAID EASEMENTS, INCLUDING SUFFICIENT WORKING AREA SPACE FOR ELECTRIC TRANSFORMERS, WITH THE RIGHT AND PRIVILEGE TO TRIM AND REMOVE TREES, SHRUBS OR BUSHES WHICH INTERFERE WITH THE PURPOSES SET FORTH HEREIN. NO BUILDING, SIGN, POOL (ABOVEGROUND OR SUBSURFACE), HOT TUB, CONCRETE OR WOOD POOL DECKING, OR OTHER STRUCTURE SHALL BE ERECTED OR CONSTRUCTED ON SAID EASEMENTS, NOR SHALL ANY WELL BE DRILLED OR OPERATED THEREON. PROPERTY OWNERS SHALL BE SOLELY RESPONSIBLE FOR CORRECTING ANY VIOLATIONS OF NATIONAL ELECTRICAL SAFETY CODE CAUSED BY CONSTRUCTION OR POOLS, DECKING, OR ANY STRUCTURES ADJACENT TO WITHIN OR NEAR EASEMENTS SHOWN ON THIS PLAT.

IN APPROVING THIS PLAT, PNM ELECTRIC SERVICES AND GAS SERVICES (PNM) DID NOT CONDUCT A TITLE SEARCH OF THE PROPERTIES HEREON. CONSEQUENTLY, PNM DOES NOT WAIVE NOR RELEASE ANY EASEMENT OR EASEMENT RIGHTS TO WHICH IT MAY BE ENTITLED.

5. COMMON AREA, PRIVATE ACCESS, PRIVATE PEDESTRIAN ACCESS, PRIVATE DRAINAGE AND LANDSCAPE BUFFER EASEMENTS GRANTED BY THIS PLAT ARE FOR THE BENEFIT OF THE BOSQUE MONTANO HOMEOWNERS ASSOCIATION, TO BE MAINTAINED BY SAME.

## Legal Description

TRACT LETTERED "B-1B", LANDS OF JOEL P. TAYLOR AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT THEREOF FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON MARCH 12, 1997, IN VOLUME 97C, FOLIO 75, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF SAID TRACT LYING ON THE EAST RIGHT OF WAY LINE OF WINTER HAVEN ROAD, N.W., MARKED BY A FOUND REBAR WITH CAP "LS 5823", FROM WHENCE A TIE TO NMSHC MONUMENT "NM 448-N7A" BEARS N 60°15'03" W, A DISTANCE OF 803.30 FEET;

THENCE FROM SAID BEGINNING POINT N 28°22'13" E ALONG SAID EAST RIGHT OF WAY LINE, A DISTANCE OF 921.65 FEET TO THE NORTHWEST CORNER OF SAID TRACT MARKED BY A FOUND REBAR WITH CAP "LS 5823";

THENCE LEAVING SAID RIGHT OF WAY LINE, S 58°13'45" E, A DISTANCE OF 527.36 FEET TO THE NORTHEAST CORNER OF SAID TRACT LYING ON THE WEST RIGHT OF WAY LINE OF THE M.R.G.C.D. LOWER CORRALES RIVERSIDE DRAIN EXTENSION, MARKED BY A FOUND REBAR WITH CAP "LS 5823";

THENCE ALONG SAID WEST RIGHT OF WAY LINE, S 36°20'06" W, A DISTANCE OF 946.54 FEET TO THE SOUTHEAST CORNER OF SAID TRACT LYING ON THE NORTH RIGHT OF WAY LINE OF MONTANO ROAD, N.W. MARKED BY A FOUND REBAR WITH CAP "LS 5823";

THENCE ALONG SAID NORTH RIGHT OF WAY LINE, N 58°13'47" W., A DISTANCE OF 372.41 FEET TO A POINT OF CURVATURE MARKED BY A FOUND REBAR WITH CAP "LS 5823";

THENCE LEAVING SAID NORTH RIGHT OF WAY LINE, ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 25.00 FEET, AN ARC LENGTH OF 37.79 FEET, A DELTA ANGLE OF 86°36'19" AND A CHORD OF N 14°55'47" W, A DISTANCE OF 34.29 FEET TO THE POINT OF BEGINNING CONTAINING 9.9973 ACRES (435,482 SQUARE FEET) MORE OR LESS NOW COMPRISING BOSQUE MONTANO SUBDIVISION.

## Free Consent and Dedication

THE REPLAT SHOWN HEREON IS WITH THE FREE CONSENT AND IN ACCORDANCE WITH THE DESIRES OF THE UNDERSIGNED OWNER AND/OR PROPRIETOR. EXISTING PUBLIC UTILITY EASEMENTS SHOWN HEREON FOR THE COMMON AND JOINT USE OF GAS, ELECTRICAL POWER AND COMMUNICATION SERVICES FOR BURIED AND/OR OVERHEAD DISTRIBUTION LINES, CONDUITS, AND PIPES FOR UNDERGROUND 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 AND/OR PROPRIETOR DOES HEREBY CERTIFY THAT THIS ACTION IS THEIR FREE ACT AND DEED. SAID OWNER AND/OR PROPRIETOR DOES HEREBY GRANT EASEMENTS AS SHOWN HEREON WITH SAME STIPULATIONS AS LISTED ABOVE FOR EXISTING UTILITIES. SAID OWNER AND/OR PROPRIETOR DOES HEREBY DEDICATE ADDITIONAL RIGHT OF WAY FOR ROADWAY PURPOSES TO THE CITY OF ALBUQUERQUE IN FEE SIMPLE WITH WARRANTY COVENANTS.

SCOTT GRADY — 1-4-01
PRESIDENT — DATE
RAYLEE HOMES

## Acknowledgement

STATE OF NEW MEXICO )
COUNTY OF BERNALILLO )

OFFICIAL SEAL
JUDY H. SIMONTON
NOTARY PUBLIC-STATE OF NEW MEXICO

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 4th DAY OF January 2001
BY SCOTT GRADY, PRESIDENT, RAYLEE HOMES

BY Judy H. Simonton NOTARY PUBLIC MY COMMISSION EXPIRES: 3-13-02

TREASURE'S CERTIFICATE

MRGCD NOTES:

1. THE HOMEOWNER'S ASSOCIATION WILL REPAIR ANY DAMAGE THAT OCCURS TO THE LOWER CORRALES RIVERSIDE DRAIN, DUE TO AN OVERFLOW FROM THE ON-SITE RETENTION PONDS.
2. DUE TO THE SITE'S CLOSE PROXIMITY TO THE RIO GRANDE, FLUCTUATIONS IN THE WATER TABLE MAY OCCUR. THESE FLUCTUATIONS MAY RAISE THE WATER TABLE AND CAUSE SEEPAGE INTO THE RETENTION PONDS. THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT HAS NO CONTROL OVER OR RESPONSIBILITY FOR SEEPAGE FROM THE WATER TABLE. THIS MAY CAUSE THE ON-SITE PONDS' CAPACITY TO BE DECREASED.

INDEXING INFORMATION FOR COUNTY CLERK
OWNER RAYLEE HOMES
SECTION 25, TOWNSHIP 11 N, RANGE 2 E,
SUBDIVISION BOSQUE MONTANO

CITY PLANNER, ALBUQUERQUE PLANNING DIVISION — DATE

CITY ENGINEER — 1/30/01 DATE

A.M.A.F.C.A. — 1/30/01 DATE

TRAFFIC ENGINEER — 1-29-01 DATE

CITY SURVEYOR — 1-18-01 DATE

PROPERTY MANAGEMENT — DATE

WATER RESOURCES DEPARTMENT — 2/8/01 DATE

PARKS AND RECREATION — 1/29/01 DATE

PNM ELECTRIC SERVICES — 1-23-01 DATE

PNM GAS SERVICES — 1-23-01 DATE

QWEST CORPORATION — 1-23-01 DATE

COMCAST CABLE — 1/23/01 DATE

## Surveyor's Certificate

I, LARRY W. MEDRANO, A REGISTERED PROFESSIONAL SURVEYOR UNDER THE LAWS OF THE STATE OF NEW MEXICO, HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY MEETING THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS OF THE CITY OF ALBUQUERQUE SUBDIVISION ORDINANCE AND OF STANDARDS FOR LAND SURVEYS OF THE N.M. BOARD OF REGISTRATION FOR ENGINEERS AND SURVEYORS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

LARRY W. MEDRANO — 01/03/2001 DATE
N.M.P.S. No. 11993

LARRY W. MEDRANO NEW MEXICO 11993 REGISTERED PROFESSIONAL SURVEYOR

PRECISION SURVEYS, INC.
8414-D JEFFERSON ST., N.E. PHONE 505 856 5700
ALBUQUERQUE, NEW MEXICO 87113 FAX 505 856 7900

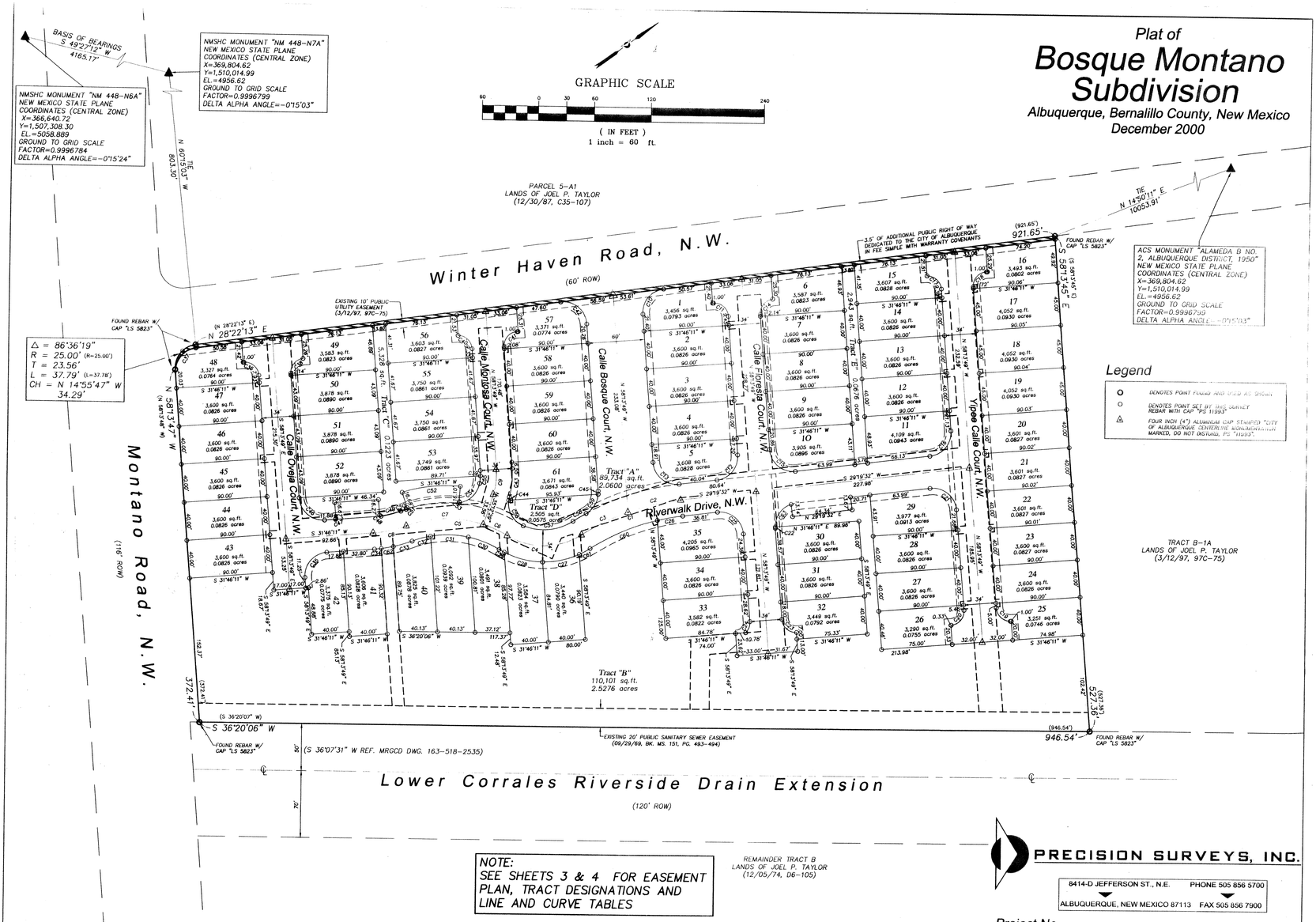
Sheet 1 of 4

008165P

G:\PLATS\2000\008165P.DWG Tue Jan 02 17:31:13 2001

# Plat of
# Bosque Montano Subdivision

Albuquerque, Bernalillo County, New Mexico
December 2000




NOTE:
SEE SHEETS 3 & 4 FOR EASEMENT PLAN, TRACT DESIGNATIONS AND LINE AND CURVE TABLES

Project No.

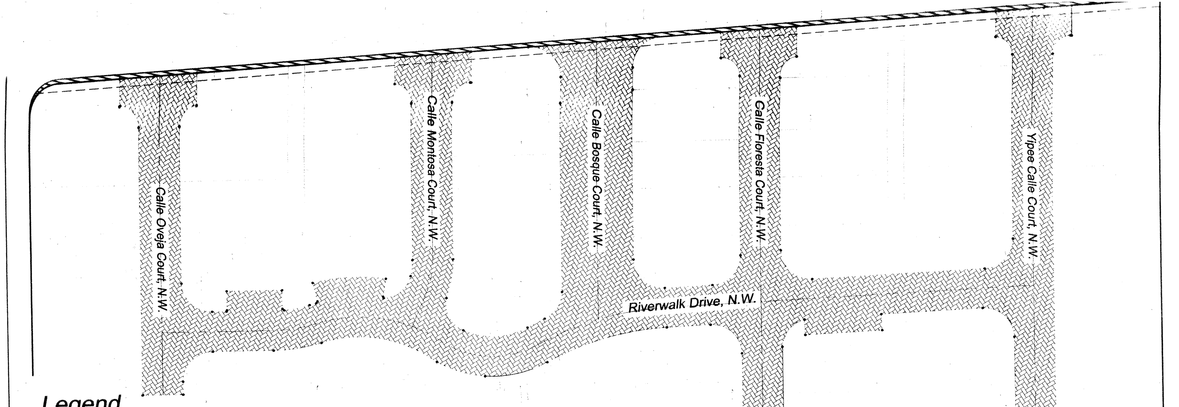
Sheet 2 of 4

008165P

SCANNED BY MESA REPRO

# Bosque Montano Subdivision

Albuquerque, Bernalillo County, New Mexico
December 2000




## Legend

- COMMON AREA, PRIVATE ACCESS, PRIVATE PEDESTRIAN ACCESS AND PRIVATE DRAINAGE GRANTED BY THIS PLAT FOR THE BENEFIT OF THE BOSQUE MONTANO HOMEOWNERS ASSOCIATION, TO BE MAINTAINED BY SAME
- COMMON AREA, PRIVATE PEDESTRIAN ACCESS, PRIVATE DRAINAGE AND LANDSCAPE BUFFER GRANTED BY THIS PLAT FOR THE BENEFIT OF THE BOSQUE MONTANO HOMEOWNERS ASSOCIATION, TO BE MAINTAINED BY SAME
- 5' PRIVATE MAINTENANCE EASEMENT GRANTED BY THIS PLAT

SEE SHEET 4 OF 4 FOR LINE


GRAPHIC SCALE

60 0 30 60 120 240

( IN FEET )
1 inch = 60 ft.

## Curve Table

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|---|---|---|---|---|---|---|
| C1 | 249.00' | 112.35' | 57.15' | 111.40' | S 16°23'58" W | 25°51'07" |
| C2 | 249.00' | 57.27' | 28.76' | 57.14' | S 22°44'51" W | 13°10'42" |
| C3 | 249.00' | 55.08' | 27.65' | 54.97' | S 09°48'37" W | 12°40'26" |
| C4 | 76.00' | 83.78' | 46.72' | 79.60' | S 35°03'11" W | 63°09'33" |
| C5 | 124.00' | 111.05' | 59.56' | 107.37' | S 40°58'40" W | 51°18'35" |
| C6 | 124.00' | 27.99' | 14.06' | 27.93' | S 60°09'54" W | 12°56'07" |
| C7 | 124.00' | 83.05' | 43.15' | 81.51' | S 34°30'37" W | 38°22'29" |
| C8 | 126.00' | 36.17' | 18.21' | 36.04' | S 23°39'47" W | 16°26'49" |
| C9 | 72.67' | 26.83' | 13.57' | 26.68' | N 47°39'06" W | 21°09'26" |
| C10 | 25.00 | 37.78 | 23.56 | 34.29 | S 14°55'57" E | 86°35'44" |
| C11 | 15.00' | 23.56' | 15.00' | 21.21' | N 76°46'11" E | 90°00'00" |
| C12 | 25.00' | 38.20' | 23.96' | 34.59' | S 14°27'08" E | 87°33'21" |
| C13 | 25.00' | 40.34' | 26.09' | 36.10' | S 75°32'52" W | 92°26'39" |
| C14 | 15.00' | 22.56' | 14.03 | 20.49' | N 15°08'29" W | 86°10'39" |
| C15 | 25.00' | 40.34' | 26.09' | 36.10' | S 75°32'52" W | 92°26'39" |
| C16 | 25.00' | 38.20' | 23.96' | 34.59' | S 14°27'08" E | 87°33'21" |
| C17 | 15.00' | 22.56' | 14.03 | 20.49' | N 78°40'52" E | 86°10'39" |
| C18 | 15.00' | 23.56' | 15.00' | 21.21' | N 13°13'49" W | 90°00'00" |
| C19 | 15.00' | 22.56' | 14.03' | 20.49' | S 78°40'49" W | 86°10'44" |
| C20 | 14.67' | 23.04' | 14.67 | 20.75' | S 13°13'49" E | 90°00'00" |
| C21 | 25.00' | 40.34' | 26.09' | 36.10' | N 75°32'52" E | 92°26'39" |
| C22 | 25.00' | 1.43' | 0.72' | 1.43' | N 56°35'19" W | 3°17'00" |
| C23 | 15.00' | 23.23' | 14.67 | 20.98 | S 77°24'00" W | 88°44'22" |
| C24 | 15.00' | 12.91' | 6.89' | 12.52' | S 33°33'56" E | 49°19'45" |
| C25 | 25.00' | 40.34' | 26.09' | 36.10' | N 75°32'52" E | 92°26'39" |
| C26 | 232.00' | 27.32' | 13.67' | 27.30' | N 25°57'08" E | 6°44'47" |
| C27 | 93.00' | 40.68' | 20.67' | 40.36' | N 24°06'55" E | 25°03'51" |
| C28 | 93.00' | 42.41' | 21.58' | 42.04' | N 49°42'43" E | 26°07'44" |
| C29 | 93.00' | 6.26' | 3.13' | 6.26 | N 64°42'16" E | 3°51'23" |
| C30 | 107.00' | 35.31' | 17.82' | 35.15' | N 57°10'46" E | 18°54'23" |
| C31 | 107.00' | 40.40' | 20.44' | 40.16' | N 36°54'34" E | 21°38'01" |
| C32 | 107.00' | 20.11' | 10.09' | 20.08 | N 20°42'28" E | 10°46'11" |
| C33 | 143.00' | 20.78' | 10.41' | 20.77' | N 19°29'12" E | 8°19'39" |
| C34 | 143.00' | 7.20' | 3.60' | 7.20' | N 30°19'38" E | 2°53'06" |
| C35 | 25.00' | 39.27' | 25.00' | 35.36' | N 13°13'49" W | 90°00'00" |
| C36 | 15.00' | 23.62' | 15.06' | 21.26' | N 76°52'59" E | 90°13'33" |
| C37 | 25.00 | 37.78 | 23.56 | 34.29 | S 14°55'57" E | 86°35'44" |
| C38 | 15.00' | 22.56' | 14.03' | 20.49' | N 15°08'29" W | 86°10'39" |
| C39 | 55.67' | 5.71' | 2.86' | 5.71' | S 55°17'32" E | 5°52'35" |
| C40 | 15.00' | 22.56' | 14.03' | 20.49' | N 78°40'52" E | 86°10'39" |
| C41 | 15.00' | 23.56' | 15.00' | 21.21' | N 13°13'49" W | 90°00'00" |
| C42 | 25.00' | 40.76' | 26.53' | 36.39' | N 75°04'03" E | 93°24'16" |
| C43 | 89.67' | 30.86' | 15.58' | 30.71' | N 48°22'19" W | 19°42'59" |
| C44 | 25.00' | 3.33' | 1.67' | 3.33' | N 42°19'47" W | 7°37'55" |
| C45 | 25.00' | 3.43' | 1.72' | 3.42' | S 54°18'12" E | 7°51'14" |
| C46 | 25.00' | 39.27' | 25.00' | 35.36' | N 76°46'11" E | 90°00'00" |
| C47 | 1.33' | 1.13' | 0.60' | 1.10' | N 33°51'13" W | 48°45'12" |
| C48 | 1.33' | 2.20' | 1.45' | 1.96' | N 74°17'24" E | 94°57'35" |
| C49 | 109.33' | 21.92' | 11.00' | 21.88' | N 21°03'59" E | 11°29'14" |
| C50 | 140.67' | 5.94' | 2.97' | 5.94' | N 16°31'54" E | 2°25'03" |
| C51 | 1.33' | 2.07' | 1.31' | 1.87' | N 26°51'22" W | 89°11'35" |
| C52 | 158.67' | 62.40' | 31.61' | 62.00' | N 29°34'17" E | 22°31'54" |
| C53 | 1.33' | 1.21' | 0.65' | 1.17' | S 75°29'54" E | 52°11'15" |
| C54 | 25.00' | 31.58' | 18.29' | 29.52' | N 07°50'26" W | 72°22'22" |
| C55 | 55.67' | 8.09' | 4.05' | 8.08' | N 48°11'27" W | 8°19'34" |
| C56 | 25.00' | 33.35' | 19.69' | 30.93' | S 84°21'46" E | 76°26'03" |
| C57 | 59.00' | 55.55' | 30.03' | 53.59' | N 30°26'48" E | 53°56'48" |
| C58 | 266.00' | 16.24' | 8.12' | 16.23' | N 05°13'20" E | 3°29'51" |
| C59 | 25.00' | 25.02' | 13.67' | 23.99' | N 21°42'10" W | 57°20'51" |
| C60 | 232.00' | 77.36' | 39.04' | 77.00' | S 13°01'35" W | 19°06'20" |
| C61 | 93.00' | 13.16' | 6.95' | 13.15' | S 07°31'42" W | 8°06'35" |
| C62 | 143.00' | 13.06' | 6.54' | 13.06' | S 26°16'03" W | 5°14'05" |
| C63 | 25.00' | 31.59' | 18.30' | 29.53' | S 18°44'48" W | 72°24'02" |

PRECISION SURVEYS, INC.

8414-D JEFFERSON ST., N.E. PHONE 505 856 5700
ALBUQUERQUE, NEW MEXICO 87113 FAX 505 856 7900

Project No.

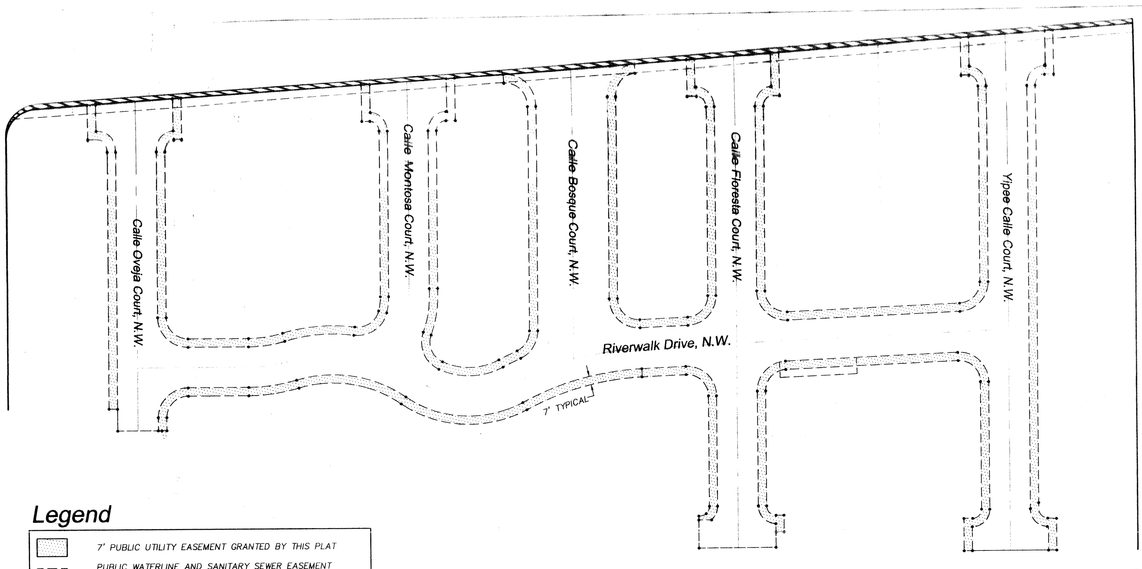
Sheet 3 of 4

008165P

G:\EMPLOYEE\LOREN\008165P.DWG Wed Dec 27 09:54:19 2000

# Bosque Mo... Subdivision

Albuquerque, Bernalillo County, New Mexico
December 2000




## Legend

- 7' PUBLIC UTILITY EASEMENT GRANTED BY THIS PLAT
- PUBLIC WATERLINE AND SANITARY SEWER EASEMENT GRANTED EXCLUSIVELY TO THE CITY OF ALBUQUERQUE BY THIS PLAT

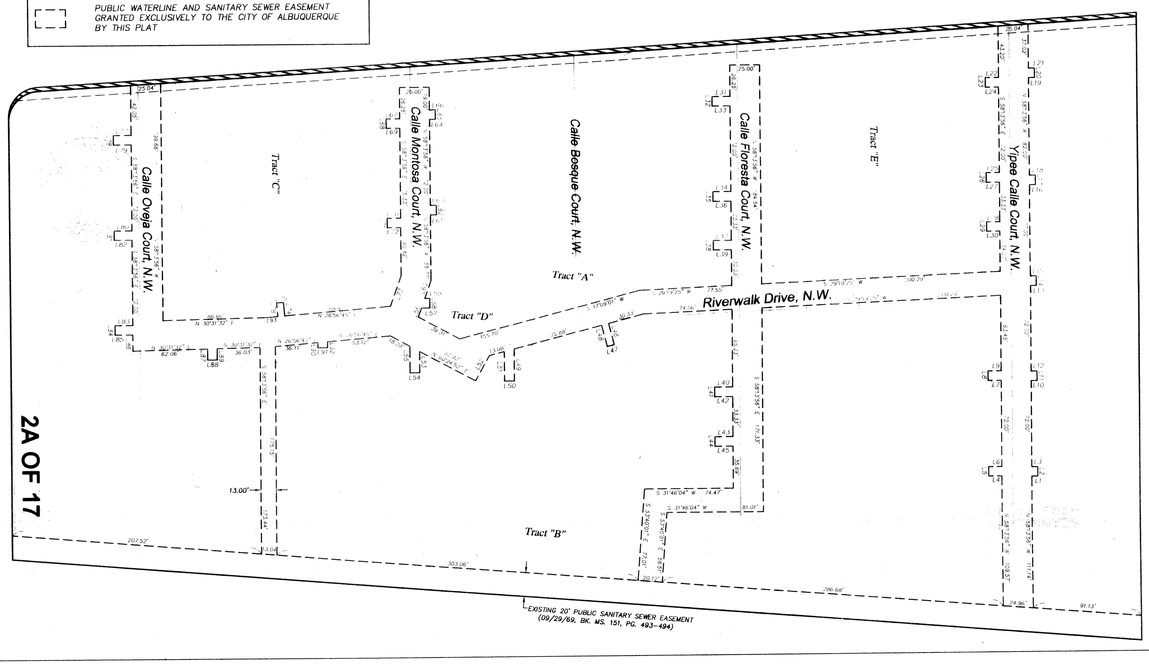
GRAPHIC SCALE

60 0 30 60 120 240

( IN FEET )
1 inch = 60 ft.

## Line Table

| LINE | BEARING | LENGTH | LINE | BEARING | LENGTH |
|---|---|---|---|---|---|
| L1 | N 31°46'04" E | 4.94 | L47 | N 17°09'01" E | 6.00 |
| L2 | N 58°13'56" W | 8.00 | L48 | S 72°50'59" E | 18.52 |
| L3 | S 31°46'04" W | 4.94 | L49 | N 58°13'56" W | 26.95 |
| L4 | S 31°46'04" W | 11.28 | L50 | N 31°46'04" E | 8.00 |
| L5 | N 58°13'56" W | 8.00 | L51 | S 58°13'56" E | 24.86 |
| L6 | N 31°46'04" E | 11.28 | L52 | N 29°35'08" W | 24.15 |
| L7 | S 31°46'04" W | 11.28 | L53 | N 58°13'56" W | 18.06 |
| L8 | N 58°13'56" W | 8.00 | L54 | N 31°46'04" E | 8.00 |
| L9 | N 31°46'04" E | 11.28 | L55 | S 58°13'56" E | 2.43 |
| L10 | N 31°46'04" E | 4.94 | L56 | N 38°24'12" W | 8.01 |
| L11 | N 58°13'56" W | 8.00 | L57 | N 31°46'04" E | 7.03 |
| L12 | S 31°46'04" W | 4.94 | L58 | N 58°13'56" W | 8.00 |
| L13 | N 31°46'04" E | 4.94 | L59 | S 31°46'04" W | 4.15 |
| L14 | N 58°13'56" W | 8.00 | L60 | N 38°24'12" W | 15.84 |
| L15 | S 31°46'04" W | 4.94 | L61 | N 31°46'04" E | 4.94 |
| L16 | N 31°46'04" E | 4.94 | L62 | N 58°13'56" W | 8.00 |
| L17 | N 58°13'56" W | 8.00 | L63 | S 31°46'04" W | 4.94 |
| L18 | S 31°46'04" W | 4.94 | L64 | N 31°46'04" E | 4.94 |
| L19 | N 31°46'04" E | 4.94 | L65 | N 58°13'56" W | 8.00 |
| L20 | N 58°13'56" W | 8.00 | L66 | S 31°46'04" W | 4.94 |
| L21 | S 31°46'04" W | 4.94 | L67 | S 31°46'04" W | 11.28 |
| L22 | S 31°46'04" W | 11.28 | L68 | S 58°13'56" E | 8.00 |
| L23 | S 58°13'56" E | 8.00 | L69 | N 31°46'04" E | 11.28 |
| L24 | N 31°46'04" E | 11.28 | L70 | S 31°46'04" W | 11.28 |
| L25 | S 31°46'04" W | 11.28 | L71 | S 58°13'56" E | 8.00 |
| L26 | S 58°13'56" E | 8.00 | L72 | N 31°46'04" E | 11.28 |
| L27 | N 31°46'04" E | 11.28 | L73 | S 38°24'12" E | 27.17 |
| L28 | S 31°46'04" W | 11.28 | L74 | N 63°33'15" W | 11.22 |
| L29 | S 58°13'56" E | 8.00 | L75 | S 50°37'10" W | 6.01 |
| L30 | N 31°46'04" E | 11.28 | L76 | S 63°33'15" E | 11.61 |
| L31 | S 31°46'04" W | 14.94 | L77 | S 31°46'04" W | 14.94 |
| L32 | S 58°13'56" E | 8.00 | L78 | S 58°13'56" E | 8.00 |
| L33 | N 31°46'04" E | 14.94 | L79 | N 31°46'04" E | 14.94 |
| L34 | S 31°46'04" W | 14.94 | L80 | S 31°46'04" W | 14.94 |
| L35 | S 58°13'56" E | 8.00 | L81 | S 58°13'56" E | 8.00 |
| L36 | N 31°46'04" E | 14.94 | L82 | N 31°46'04" E | 14.94 |
| L37 | S 31°46'04" W | 14.94 | L83 | S 31°46'04" W | 14.94 |
| L38 | S 58°13'56" E | 8.00 | L84 | S 58°13'56" E | 8.00 |
| L39 | N 31°46'04" E | 14.94 | L85 | N 31°46'04" E | 14.94 |
| L40 | S 31°46'04" W | 14.94 | L86 | S 58°13'56" E | 13.[illegible]8 |
| L41 | S 58°13'56" E | 8.00 | L87 | S 58°13'51" E | 9.20 |
| L42 | N 31°46'04" E | 14.94 | L88 | N 31°46'09" E | 9.00 |
| L43 | S 31°46'04" W | 14.94 | L89 | N 58°13'51" W | 9.37 |
| L44 | S 58°13'56" E | 8.00 | L90 | S 58°13'51" E | 4.14 |
| L45 | N 31°46'04" E | 14.94 | L91 | N 31°46'09" E | 8.00 |
| L46 | N 72°50'59" W | 18.52 | L92 | N 58°13'51" W | 4.81 |
| | | | L93 | S 26°56'45" W | 9.73 |




2A OF 17



PRECISION SURVEYS, INC.

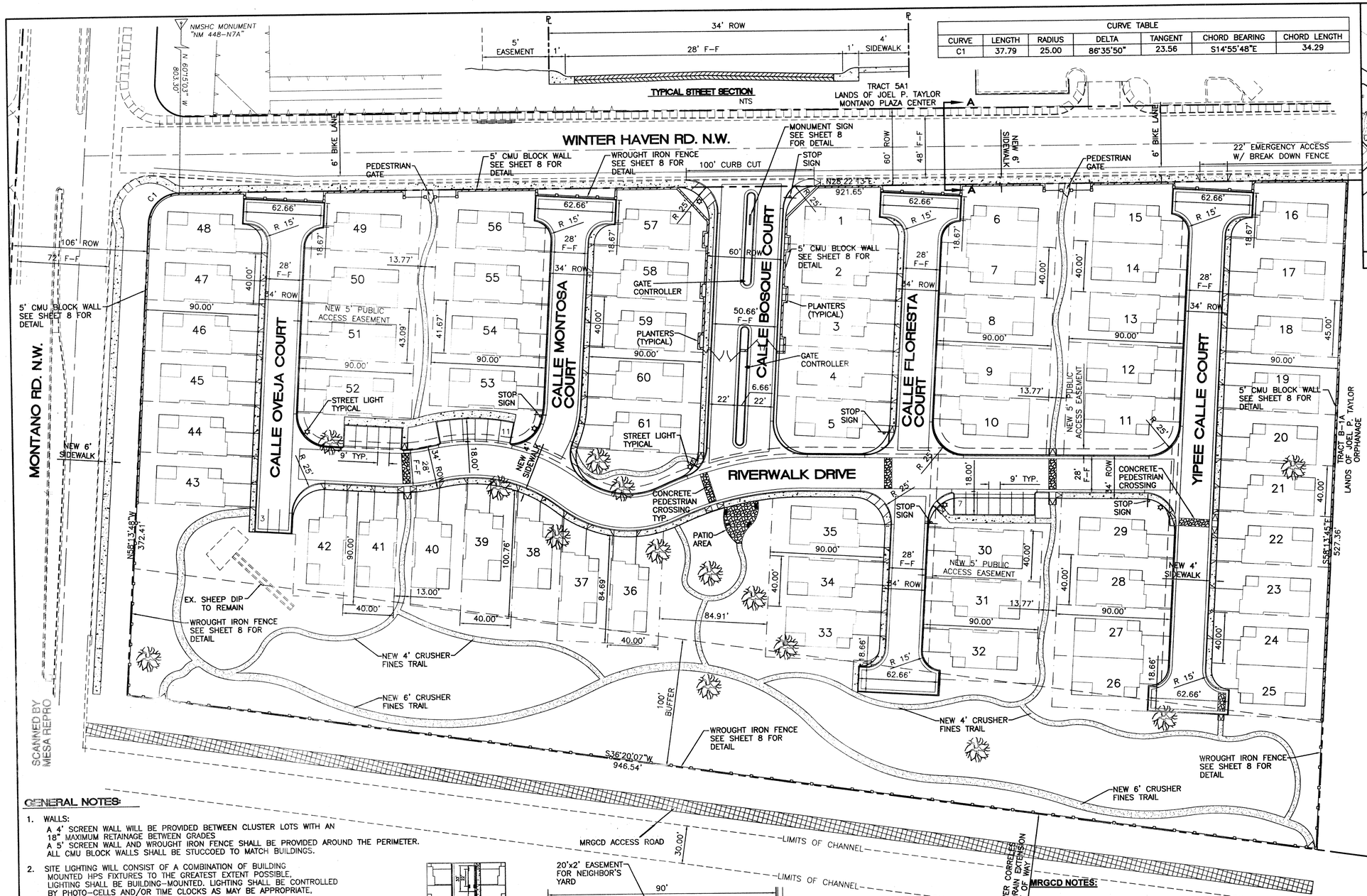
8414-D JEFFERSON ST., N.E. PHONE 505 856 5700
ALBUQUERQUE, NEW MEXICO 87113 FAX 505 856 7900

Project No.

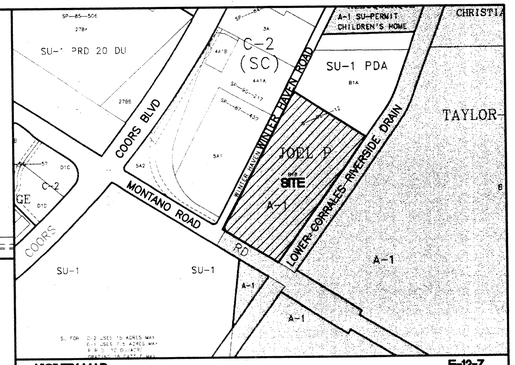
Sheet 4 of 4

008165P

G:\EMPLOYEE\LOREN\008165P.DWG Wed Dec 27 09:53:47 2000




| CURVE TABLE | | | | | | |
|---|---|---|---|---|---|---|
| CURVE | LENGTH | RADIUS | DELTA | TANGENT | CHORD BEARING | CHORD LENGTH |
| C1 | 37.79 | 25.00 | 86°35'50" | 23.56 | S14°55'48"E | 34.29 |




**LEGAL DESCRIPTION:**
TRACT B-1B LAND JOEL P. TAYLOR

## LEGEND

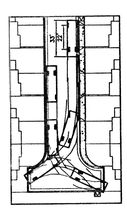
- EXISTING CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- PROPOSED SIDEWALK
- PROPOSED TRAIL
- PROPOSED CMU BLOCK WALL
- PROPOSED WROUGHT IRON FENCE
- PROPOSED STREET LIGHT
- EXISTING COTTONWOOD TREE
- PROPOSED EXPOSED CONCRETE PEDISTRIAN CROSSING

## SITE DATA

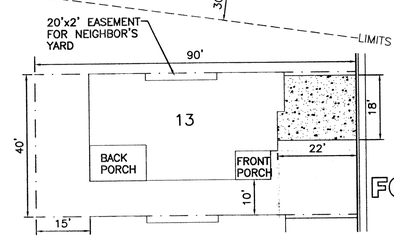
| | |
|---|---|
| ZONING: | SU-1 PDA |
| PROPOSED USAGE: | SINGLE FAMILY RESIDENTIAL |
| LOT AREA: | 435,482.46 SF (9.997 ACRES) |
| DENSITY: | 6.10 UNITS/ACRE |
| TOTAL LOTS: | 61 |
| TOTAL LANDSCAPING: | 225,546 SF ± |
| OFF-STREET PARKING: | 21 SPACES |
| OPEN SPACE CALC.: | 61 UNITS @ 1310 SF = 79,910 SF |
| TOTAL REQUIRED: | 79,910 SF |
| OPEN SPACE 61 UNITS: | 98,515 SF |
| OPEN SPACE BUFFERS: | 94,655 SF |
| MISC. OPEN SPACE PROVIDED: | 32,376 SF |
| TOTAL OPEN SPACE PROVIDED: | 225,546 SF |

## GENERAL NOTES:

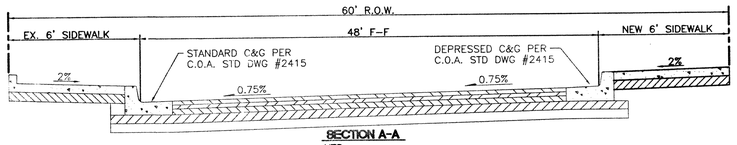
1. WALLS:
   A 4' SCREEN WALL WILL BE PROVIDED BETWEEN CLUSTER LOTS WITH AN 18" MAXIMUM RETAINAGE BETWEEN GRADES
   A 5' SCREEN WALL AND WROUGHT IRON FENCE SHALL BE PROVIDED AROUND THE PERIMETER.
   ALL CMU BLOCK WALLS SHALL BE STUCCOED TO MATCH BUILDINGS.
2. SITE LIGHTING WILL CONSIST OF A COMBINATION OF BUILDING MOUNTED HPS FIXTURES TO THE GREATEST EXTENT POSSIBLE, LIGHTING SHALL BE BUILDING-MOUNTED. LIGHTING SHALL BE CONTROLLED BY PHOTO-CELLS AND/OR TIME CLOCKS AS MAY BE APPROPRIATE, POST LIGHTING SHALL BE 15' MAXIMUM HEIGHT.
   ALL LIGHTING SHALL BE SHIELDED FROM SURROUNDING PROPERTIES.
3. CURBS AND GUTTERS:
   4" MOUNTABLE CURB AND GUTTER WILL BE USED THROUGHOUT EXCEPT FOR THOSE AREAS WHERE STANDARD CURB AND GUTTER IS NECESSARY FOR DRAINAGE CONVEYANCE.
4. BUILDING HEIGHT: STRUCTURE SHALL NOT EXCEED 26 FEET IN HEIGHT.
5. ALL OF THE STREETS ARE PRIVATE AND WILL BE MAINTAINED BY THE HOME OWNERS ASSOCIATION.
6. THERE SHALL BE NO DIRECT ACCESS TO MONTANO.
7. ALL BUILDING PERMIT SUBMITTALS SHALL CONTAIN THE EPC SIGNED OFF SITE PLAN.
8. ANY ONE FOOTPRINT OR ELEVATIONS MAY BE USED IN ANY LOT, BUT MUST FIT IN THE SETBACKS.
9. ALL EXISTING COTTONWOOD TREES SHOWN MUST REMAIN.
   A PERVIOUS AREA BELOW THE CANOPY OF EACH TREE SHALL BE PRESERVED FOR THE MAJORITY OF THE DROP AREA BELOW THE TREE.
10. INDIVIDUAL ROLL-OUT CARTS WILL BE UTILIZED FOR SOLID WASTE PICK-UP. CARTS SHALL BE STORED OUT OF VIS[illegible]TY FROM THE ROADWAY, EITHER IN GARAGES OR REAR YA[illegible] [illegible]ATIO[illegible]S OF COVENANTS AND RESTRICTIONS SHALL REQUIRE THAT [illegible]ER IS RESPONSIBLE FOR KEEPING CARTS OUT OF VIEW.
11. ALL TRASH CARTS WILL [illegible] ROLLED TO RIVERWALK DRIVE FOR EASY PICKUP.
12. ALL REAR YARD LANDSCAPING TO BE COMPLETED BY THE OWNER.



TRASH TRUCK DETAIL
SCALE: 1"=60'




TYPICAL LOT LAYOUT
SCALE: 1"=20'




SECTION A-A
NTS

MRGCD ACCESS ROAD
30.00'
LIMITS OF CHANNEL
LIMITS OF CHANNEL
120' LOWER CORRALES RIVERSIDE DRAIN EXTENSION RIGHT OF WAY

**MRGCD NOTES:**

1. The Homeowner's Association will repair any damage that occurs to the Lower Corrales Riverside Drain, due to an overflow from the on-site retention ponds.
2. Due to the site's close proximity to the Rio Grande, fluctuations in the water table may occur. These fluctuations may raise the water table and cause seepage into the retention ponds. The Middle Rio Grande Conservancy District has no control over or responsibility for seepage from the water table. This may cause the on-site ponds' capacity to be decreased.

2/14/01
MRGCD APPROVAL

FOR REFERANCE ONLY

**SHEET INDEX**

1. SITE PLAN FOR SUBDIVISION AND BUILDING PERMIT
2. LANDSCAPING PLAN
3. LANDSCAPING DETAILS
4. GRADING AND DRAINAGE PLAN
5. MASTER UTILITY PLAN
6. BUILDING ELEVATIONS
7. BUILDING ELEVATIONS
8. EXTERIOR ELEVATION CRITERIA

GRAPHIC SCALE
40 20 0 20 40
SCALE: 1"=40'

**PROJECT NO.** _____

This plan is consistent with the specific site development plan approval by the Environmental Planning Commission (EPC) on
and that the findings and conditions in the Official Notice; Notification of Decision have been complied with:

**SITE DEVELOPMENT PLAN**

| | |
|---|---|
| Traffic Engineer, Transportation Division | Date |
| Parks and Recreation | Date |
| Public Works, Water Utilities Division | Date |
| City Engineer, Engineering Division / AMAFCA | Date |

APPROVAL AND CONDITIONAL ACCEPTANCE: as specified by the Development Process Manual.

| | |
|---|---|
| City Planner, Albuquerque / Bernalillo County Planning Division | Date |

PLNZ (10706) 4/96

10-5-00
APPROVED – SOLID WASTE — DATE

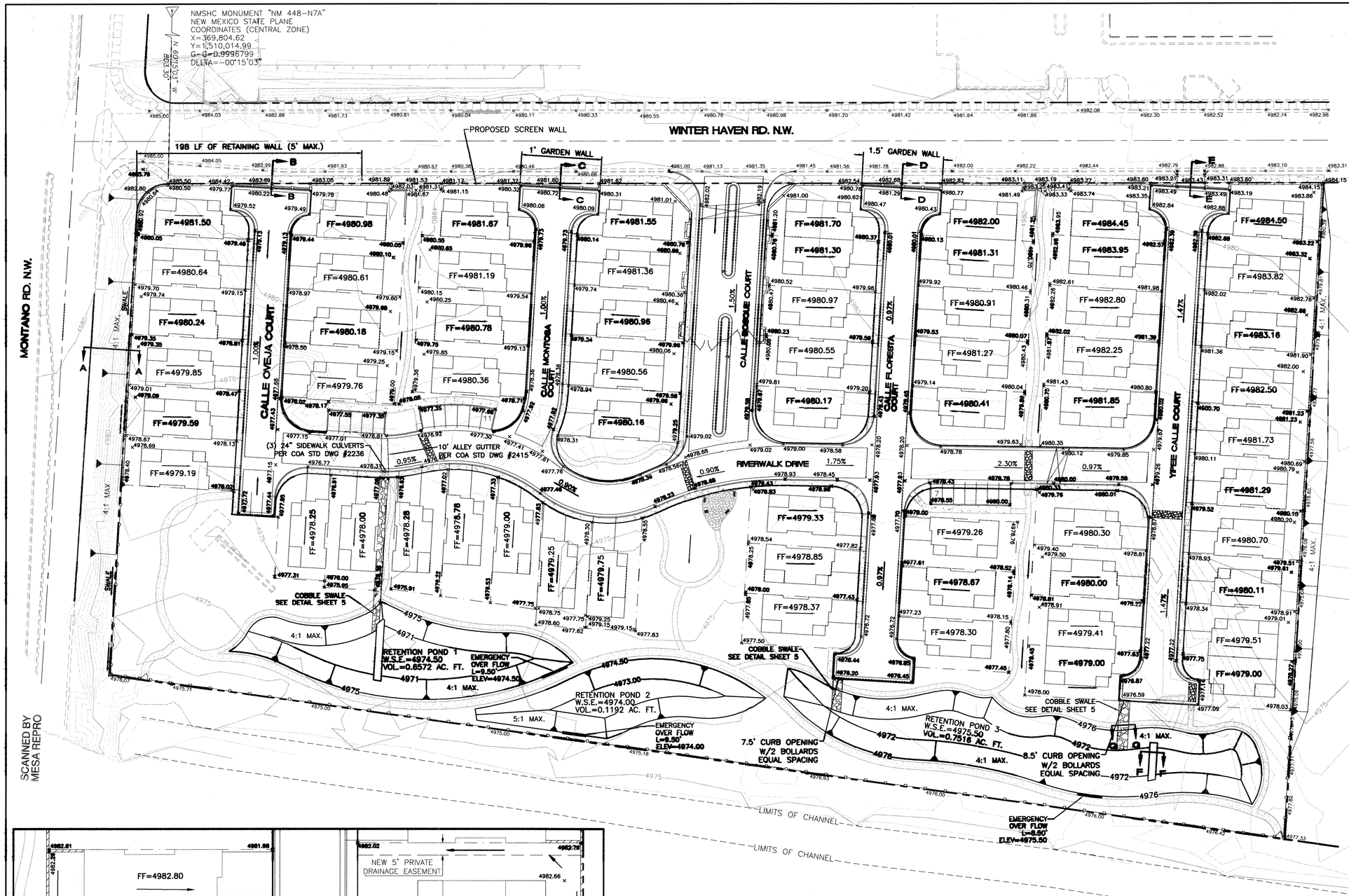
ENGINEER'S SEAL
01-02-01
RONALD R. BOHANNAN P.E. #7868

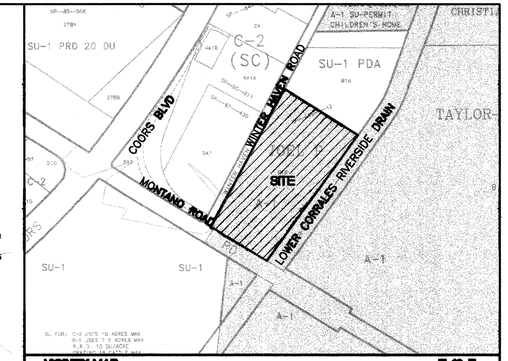
**BOSQUE MONTANO**

**SITE PLAN FOR BUILDING PERMIT AND SUBDIVISION**

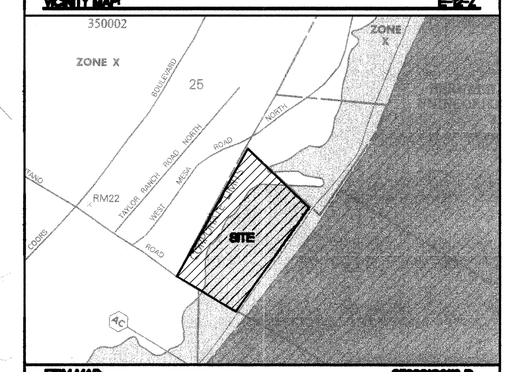
TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

| | |
|---|---|
| DRAWN BY | JDN |
| DATE | 10-05-00 |
| | 2041SP3.DWG |
| SHEET # | 3 OF 17 |
| JOB # | 200041 |




VICINITY MAP: E-12-Z




FIRM MAP: 35000ICO19 D

**LEGAL DESCRIPTION:**

TRACT B-1B LAND JOEL P. TAYLOR

## EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.

## GENERAL NOTES:

1. EXISTING TREES SHALL BE SURROUNDED BY 6' CHAINLINK FENCE PLACED AT THE CANOPY LINE.
2. SEVERAL PADS WILL NEED EXTENDED FOOTINGS ON THE COMMON LOT LINE.
3. SEE SHEET 5 FOR CROSS-SECTIONS AND DETAILS.

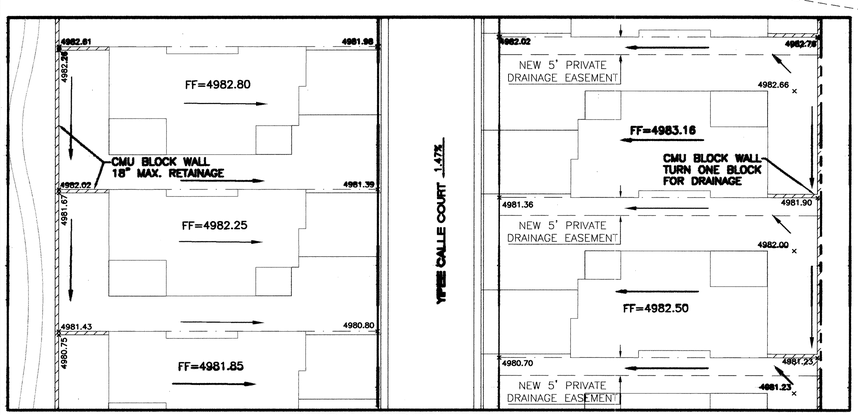
## MRGCD NOTES:

1. THE HOMEOWNER'S ASSOCIATION WILL REPAIR ANY DAMAGE THAT OCCURS TO THE LOWER CORRALES RIVERSIDE DRAIN DUE TO AN OVERFLOW FROM THE ON-SITE RETENTION PONDS.
2. DUE TO THE SITE'S CLOSE PROXIMITY TO THE RIO GRANDE RIVER, FLUCTUATIONS IN THE WATER TABLE MAY OCCUR. THESE FLUCTUATIONS MAY RAISE THE WATER TABLE AND CAUSE SEEPAGE INTO THE RETENTION PONDS. THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT HAS NO CONTROL OVER OR RESPONSIBILITY FOR SEEPAGE FROM THE WATER TABLE. THIS MAY CAUSE THE ON-SITE PONDS' CAPACITY TO BE DECREASED.

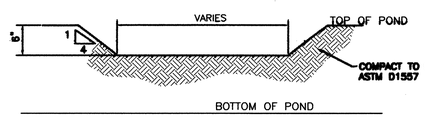
2/14/01

MRGCD APPROVAL DATE

ROUGH GRADING APPROVAL DATE




**TYPICAL LOT GRADING**
SCALE: 1"=20'




**EMERGENCY SPILLWAY DETAIL**
NTS

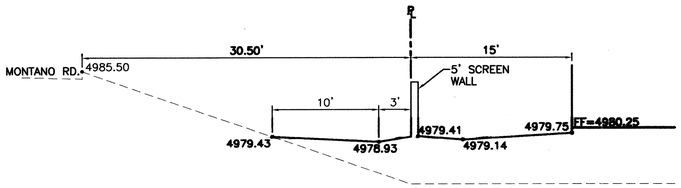
FOR REFERANCE ONLY

**LEGEND**

- EXISTING CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- PROPOSED SIDEWALK
- EXISTING INDEX CONTOUR
- EXISTING CONTOUR
- PROPOSED SCREEN WALL

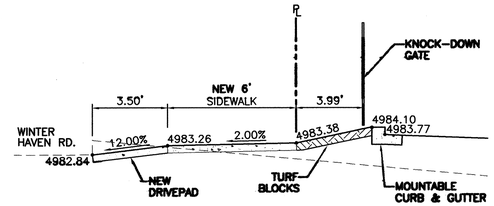
GRAPHIC SCALE
40 20 0 20 40
SCALE: 1"=40'

| | | |
|---|---|---|
| ENGINEER'S SEAL | BOSQUE MONTANO | DRAWN BY JDN |
| | GRADING AND DRAINAGE PLAN | DATE 02-02-01 |
| | | 2041GR.DWG |
| | | SHEET # 4 OF 17 |
| RONALD R. BOHANNAN P.E. #7868 | TIERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100 | JOB # 200041 |



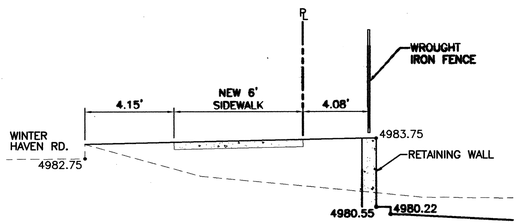

## SECTION A-A

SCALE: 1"=10'



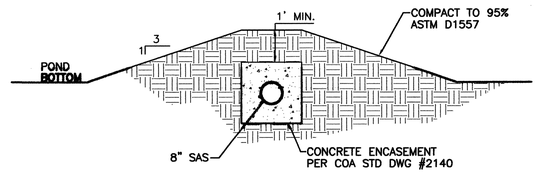

## SECTION E-E

SCALE: 1"=5'




## SECTION B-B

SCALE: 1"=5'




NOTE:
PLACE ADDITIONAL #4 REBARS @ 6" O.C. ACROSS TOP AND 3-#4 REBARS CONTINUOUS ALONG TOP.

## SECTION F-F

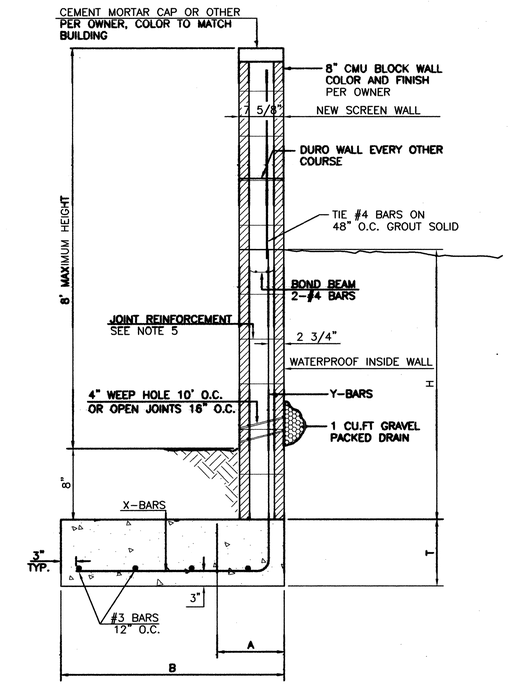
NTS

GENERAL NOTES:

1. ALL CONCRETE IS TO BE 3000 PSI @ 28 DAYS.
2. MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM. D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE ± 2.0%.
3. BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
4. ALL BARS ARE TO BE GRADE 60, ASTM 615.
5. TRUSS TYPE DUR-O-WALL EVERY OTHER COURSE.
6. USE EITHER EXPANSION JOINTS ON 20' CENTERS OR PILASTERS EVERY 12'.
7. 30 BAR DIAMETER LAPS TYPICAL.
8. DUR-O-WAL HORIZONTAL JOINT REINFORCEMENT 16" O.C.
9. OPEN JOINTS 16" O.C. TYPICAL AT FIRST COURSE.
10. OWNER TO SELECT MASONRY COLOR AND/OR FINISH
11. SOLID MASONRY CAP COURSE TYPICAL.
12. WATER PROOF WALL.

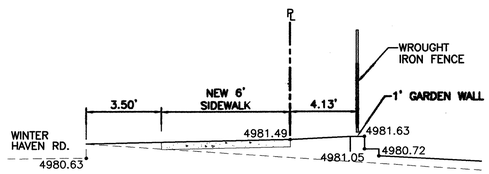
8 INCH REINFORCED CONCRETE MASONRY WALL
(FOR RETAINING PORTION ONLY)

| H | B | T | Y-BARS | X-BARS |
|---|---|---|---|---|
| ft.-in. | ft.-in. | in. | | |
| 1'-4" | 1'-9" | 9" | #4 @ 24" O.C. | |
| 2'-0" | 2'-0" | 9" | #4 @ 24" O.C. | |
| 2'-8" | 2'-6" | 9" | #4 @ 24" O.C. | |
| 3'-4" | 2'-9" | 12" | #4 @ 16" O.C. | #4 @ 16" O.C. |
| 4'-0" | 3'-3" | 12" | #4 @ 16" O.C. | #4 @ 16" O.C. |



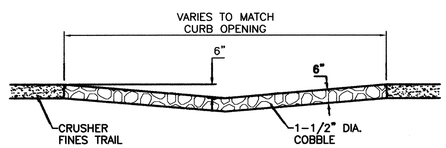

## L-FOOTING RETAINING WALL DETAIL

NTS



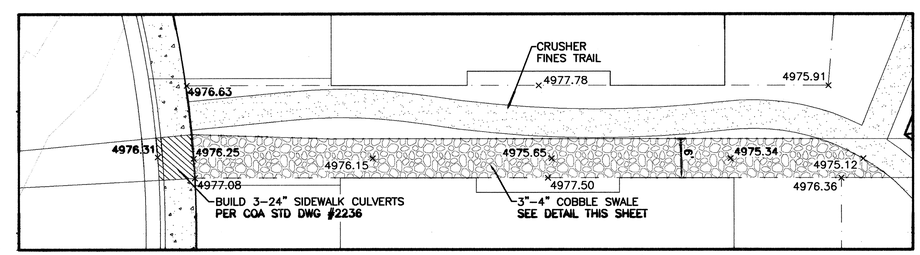

## SECTION C-C

SCALE: 1"=5'



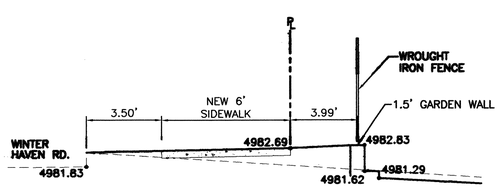

## SECTION G-G
## SWALE AT TRAIL CROSSINGS

NTS



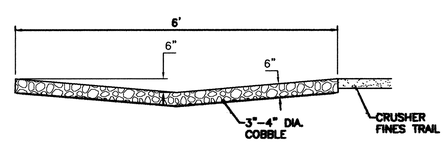

## DRAINAGE SWALE DETAIL AT LOTS 40 AND 41

NTS




## SECTION D-D

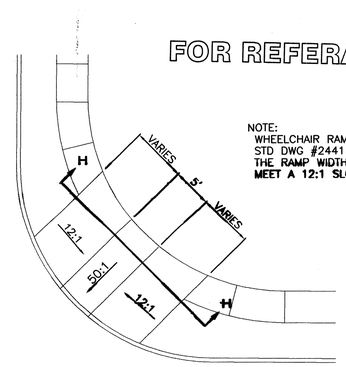
SCALE: 1"=5'




## COBBLE SWALE RUNDOWN DETAIL

NTS

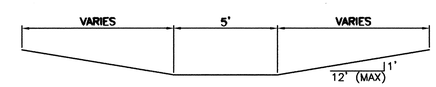
FOR REFERANCE ONLY




NOTE:
WHEELCHAIR RAMPS IS AS C.O.A. STD DWG #2441 CASE II, EXCEPT THE RAMP WIDTH WILL VARY TO MEET A 12:1 SLOPE

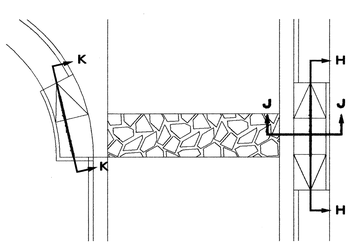
## WHEELCHAIR RAMP DETAIL

NTS



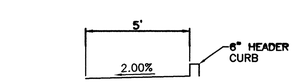

## SECTION H-H

NTS



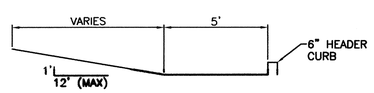

## WHEELCHAIR RAMP DETAIL

NTS




## SECTION J-J

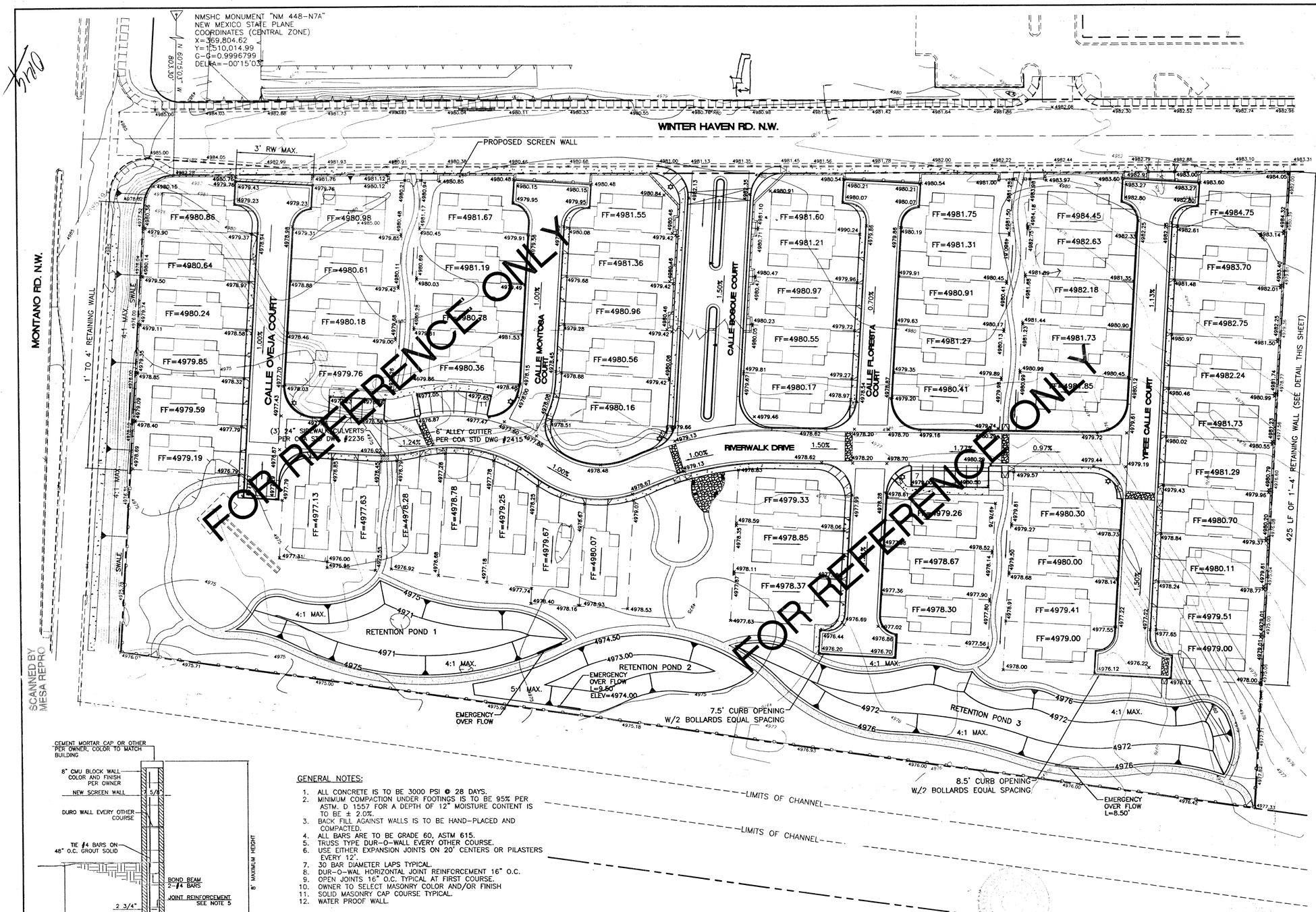
NTS

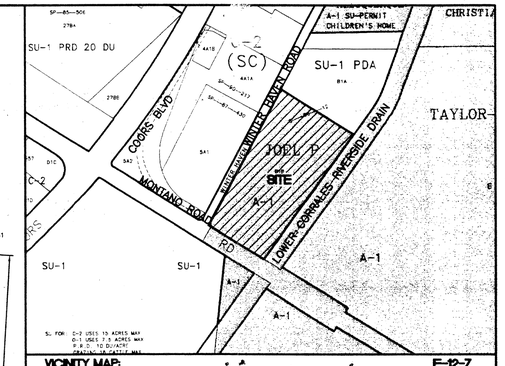


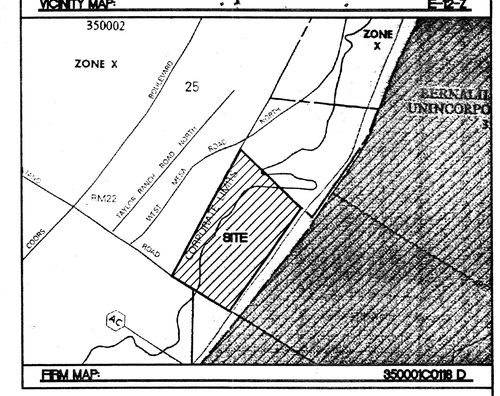

## SECTION K-K

NTS

| ENGINEER'S SEAL | BOSQUE MONTANO | DRAWN BY JDN |
|---|---|---|
| | | DATE 02-02-01 |
| | GRADING AND DRAINAGE DETAIL SHEET | 2041DET.DWG |
| | TIERRA WEST, LLC<br>8509 JEFFERSON NE<br>ALBUQUERQUE, NEW MEXICO 87113<br>(505)858-3100 | SHEET # 5 OF 17 |
| RONALD R. BOHANNAN P.E. #7868 | | JOB # 200041 |




LEGAL DESCRIPTION:
TRACT B-1B LAND JOEL P. TAYLOR

## EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.

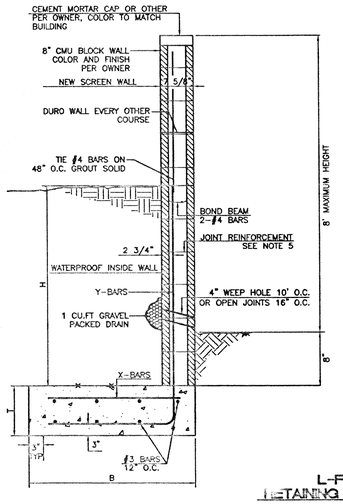
## GENERAL NOTES:

1. EXISTING TREES SHALL BE SURROUNDED BY 6' CHAINLINK FENCE PLACED AT THE CANOPY LINE.

FOR REFERANCE ONLY

NOTE: FOR ROUGH GRADING ONLY
SEE SHEET 4 OF 17 FOR GRADING
AND DRAINAGE PLAN FOR CONSTRUCTION

ROUGH GRADING APPROVAL DATE



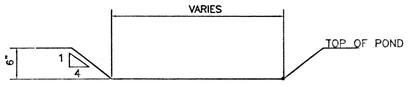

L-FOOTING
RETAINING WALL DETAIL
NTS

GENERAL NOTES:

1. ALL CONCRETE IS TO BE 3000 PSI @ 28 DAYS.
2. MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM. D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE ± 2.0%.
3. BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
4. ALL BARS ARE TO BE GRADE 60, ASTM 615.
5. TRUSS TYPE DUR-O-WALL EVERY OTHER COURSE.
6. USE EITHER EXPANSION JOINTS ON 20' CENTERS OR PILASTERS EVERY 12'.
7. 30 BAR DIAMETER LAPS TYPICAL.
8. DUR-O-WAL HORIZONTAL JOINT REINFORCEMENT 16" O.C.
9. OPEN JOINTS 16" O.C. TYPICAL AT FIRST COURSE.
10. OWNER TO SELECT MASONRY COLOR AND/OR FINISH
11. SOLID MASONRY CAP COURSE TYPICAL.
12. WATER PROOF WALL.

8 INCH REINFORCED CONCRETE MASONRY WALL
(FOR RETAINING PORTION ONLY)

| H | B | T | Y-BARS | X-BARS |
|---|---|---|---|---|
| ft.-in. | ft.-in. | in. | | |
| 1'-4" | 1'-9" | 9" | #4 @ 24" O.C. | |
| 2'-0" | 2'-0" | 9" | #4 @ 24" O.C. | |
| 2'-8" | 2'-6" | 9" | #4 @ 24" O.C. | |
| 3'-4" | 2'-9" | 12" | #4 @ 16" O.C. | #4 @ 16" O.C. |
| 4'-0" | 3'-3" | 12" | #4 @ 16" O.C. | #4 @ 16" O.C. |
| 4'-8" | 4'-0" | 12" | #4 @ 16" O.C. | #4 @ 16" O.C. |
| 5'-4" | 5'-0" | 12" | #4 @ 8" O.C. | #4 @ 8" O.C. |
| 6'-0" | 5'-6" | 12" | #4 @ 8" O.C. | #4 @ 8" O.C. |



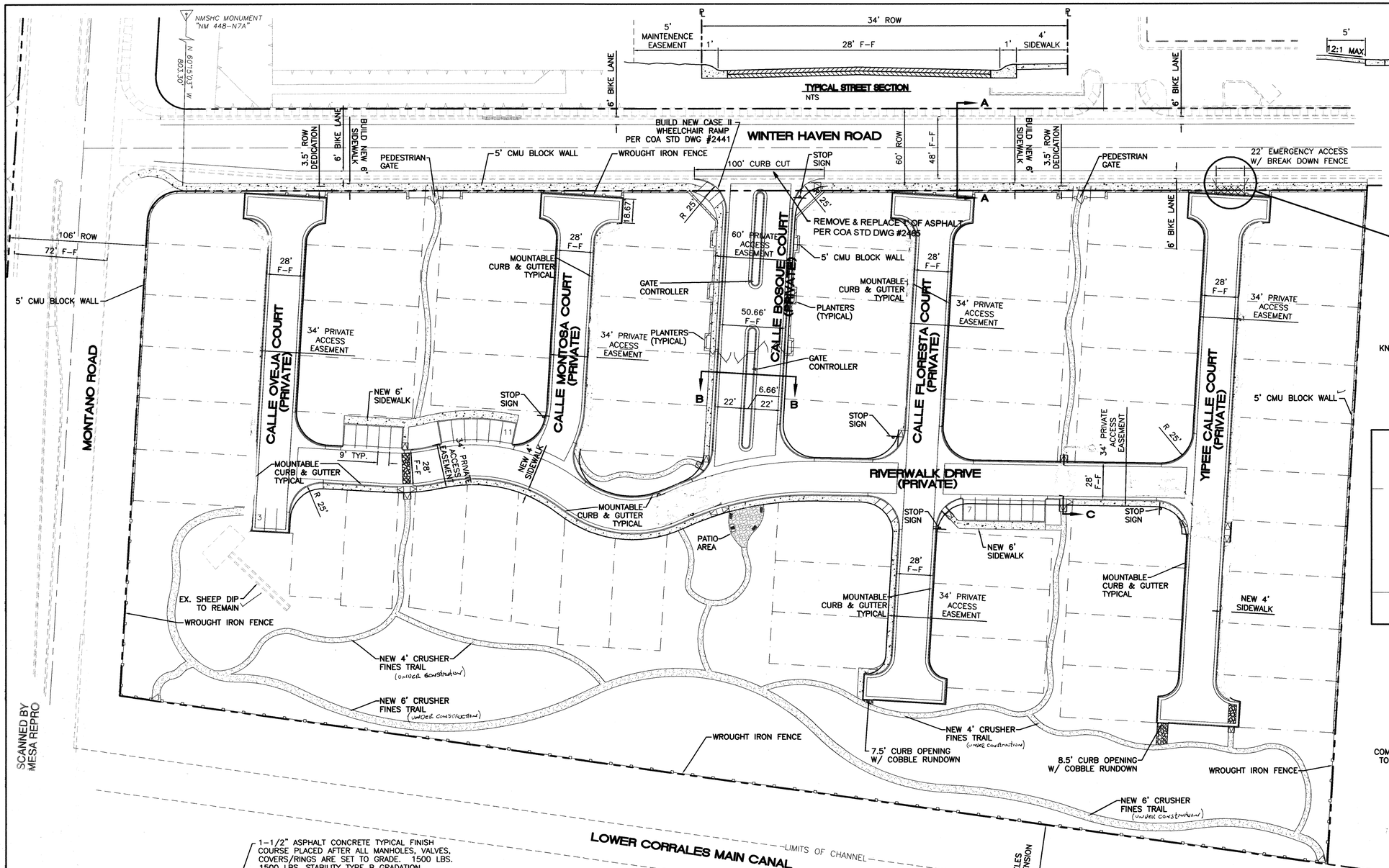

EMERGENCY SPILLWAY DETAIL
NTS

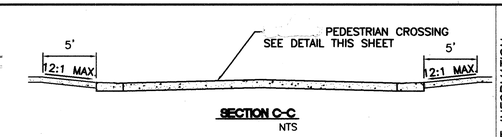
LEGEND

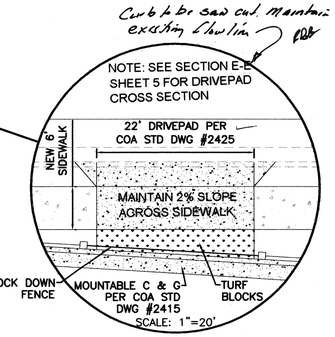
- EXISTING CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- PROPOSED SIDEWALK
- 4975 EXISTING INDEX CONTOUR
- EXISTING CONTOUR
- PROPOSED RETAINING WALL

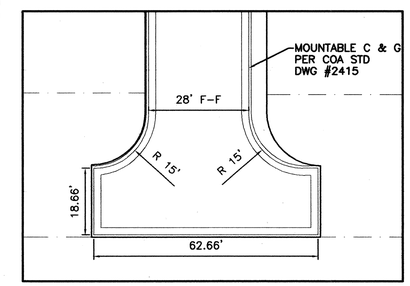
GRAPHIC SCALE
40 20 0 20 40
SCALE: 1"=40'

| | | |
|---|---|---|
| ENGINEER'S SEAL | BOSQUE MONTANO | DRAWN BY JDN |
| | GRADING AND DRAINAGE PLAN | DATE 9-12-00 |
| | | 2041GR.DWG |
| RONALD R. BOHANNAN P.E. #7868 | TIERRA WEST, LLC<br>8509 JEFFERSON NE<br>ALBUQUERQUE, NEW MEXICO 87113<br>(505)858-3100 | SHEET # 6 OF 17 |
| | | JOB # 200041 |



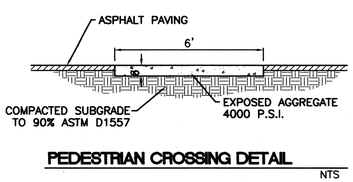




## HAMMER HEAD CUL-DE-SAC DETAIL

SCALE: 1"=20'

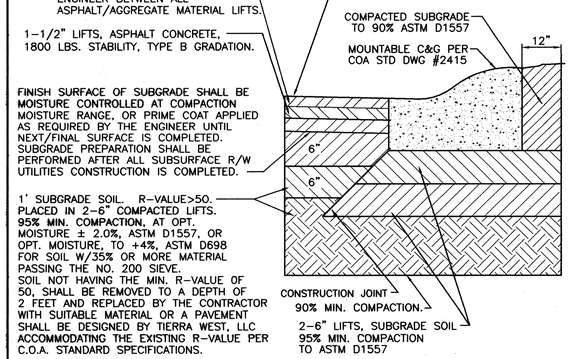



## PEDESTRIAN CROSSING DETAIL

NTS

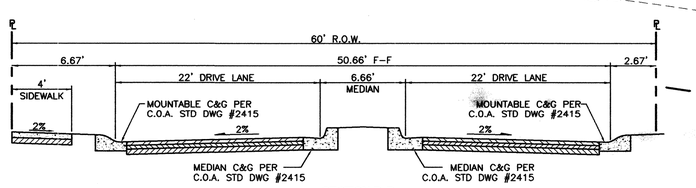
## LEGEND

- EXISTING CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- PROPOSED SIDEWALK
- PROPOSED TRAIL
- PROPOSED EXPOSED CONCRETE PEDISTRIAN CROSSING



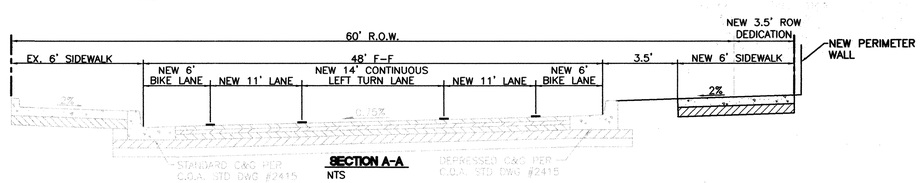

## RESIDENTIAL PAVING SECTION

NTS




## SECTION B-B

NTS




## SECTION A-A

NTS

RECORD DRAWING

I, Ronald R. Bohannan, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "record drawing" was provided by Aldrich Land Surveying Inc. Field Inspection or under my supervision and represents the "record" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

12/11/01

GRAPHIC SCALE

40 20 0 20 40

SCALE: 1"=40'

AS BUILT INFORMATION
CONTRACTOR FRANKLIN'S EARTHMOVING DATE 2001
WORK STAKED BY ALDRICH LAND SURVEYING DATE 2001
INSPECTORS ACCEPTANCE BY COA/TIERRA WEST DATE 2001
FIELD VERIFICATION BY COA/TIERRA WEST DATE 2001
DRAWINGS CORRECTED BY TIERRA WEST DATE 2001
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
NMSHC MONUMENT "NM 448-N7A"
CENTRAL STATION DATA
NM STATE PLANE COORDINATES
Central Zone
X=369804.62
Y=1510014.99
G-G=0.9996799
Dg=-00°15'03"
ELEV=5006.41

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
RONALD RAY BOHANNAN NEW MEXICO 7868 PROFESSIONAL ENGINEER 12-21-01

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

DESIGNED BY JDN DATE 11-00
DRAWN BY JDN DATE 12-22-00
DRAWN NAME: 2041PAV.DWG
CHECKED BY SCL DATE 11-00

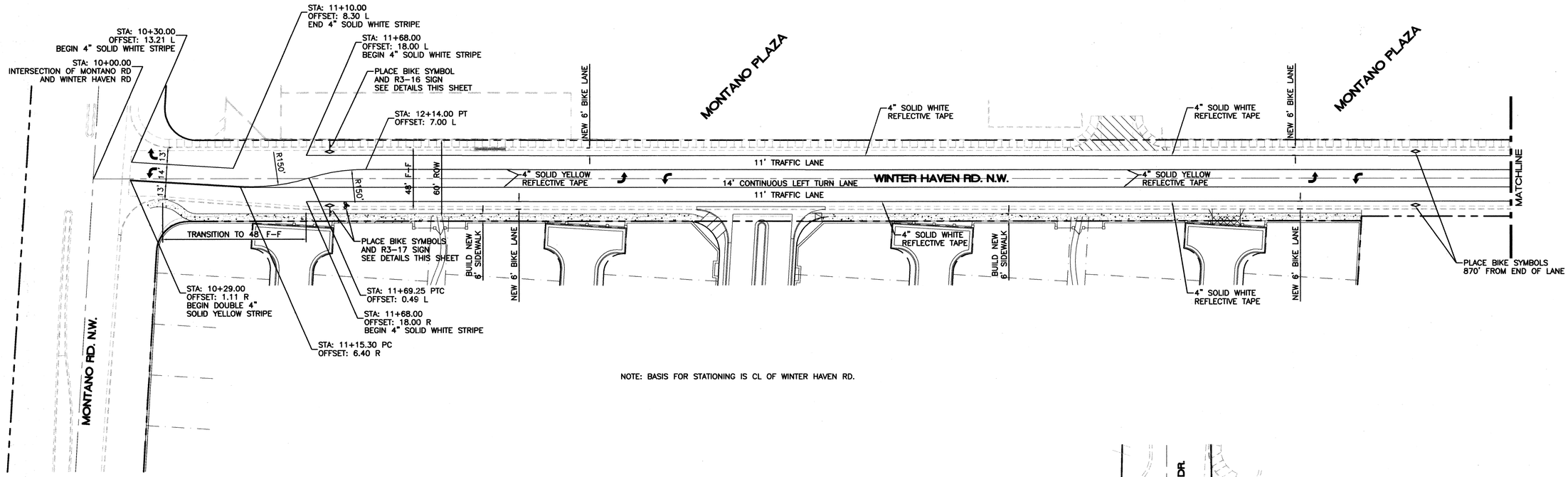
TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

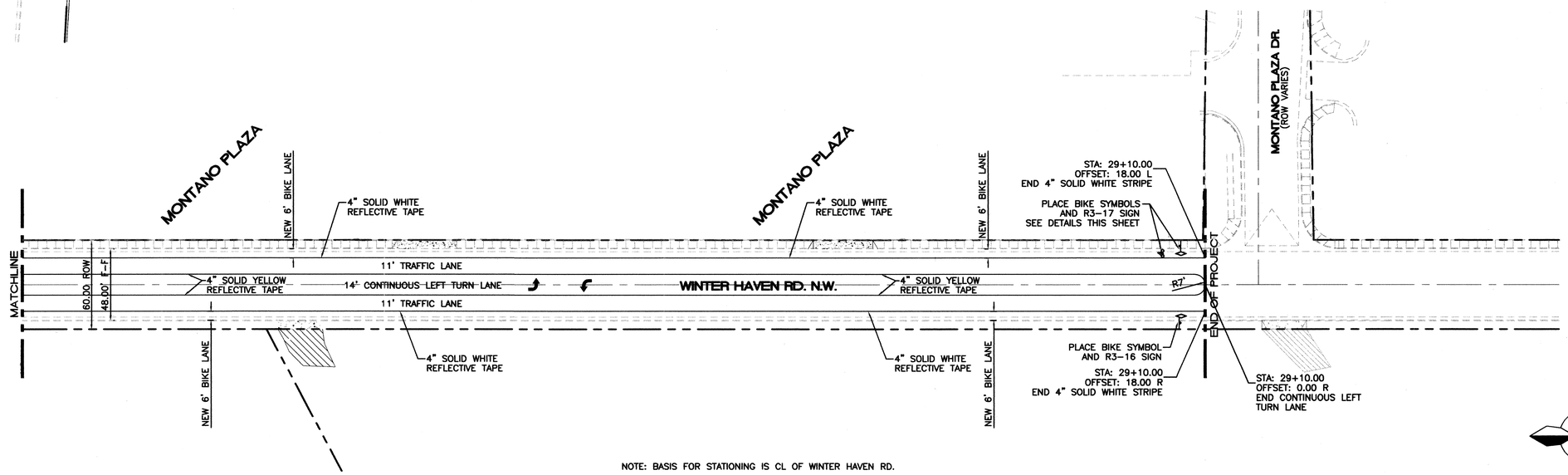
TITLE: **BOSQUE MONTANO**
MASTER PAVING PLAN

DESIGN REVIEW COMMITTEE: APPROVED MAR 1
CITY ENGINEER APPROVAL: APPROVED APR 17
CITY ENGINEER
LAST DESIGN UPDATE MO./DAY/YR. MO./DAY/YR.

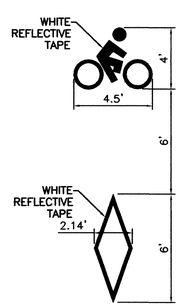
CITY PROJECT NO. 654781 | ZONE MAP NO. E-12-Z | SHEET 7 OF 17



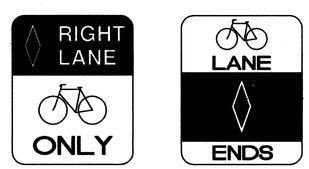

NOTE: BASIS FOR STATIONING IS CL OF WINTER HAVEN RD.




NOTE: BASIS FOR STATIONING IS CL OF WINTER HAVEN RD.




**BIKE LANE SYMBOL DETAIL**




R3-17
24"x30"

R3-16
24"x30"

**SIGN DETAILS**


GRAPHIC SCALE

40 20 0 20 40

SCALE: 1"=40'

RECORD DRAWING

I, Ronald R. Bohannan, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "record drawing" was provided by Aldrich Land Surveying Inc. Field Inspection or under my supervision and represents the "record" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

10/17/01

SCANNED BY MESA REPRO

AS BUILT INFORMATION

| | | |
|---|---|---|
| CONTRACTOR | FRANKLIN'S EARTHMOVING | DATE 2001 |
| WORK STAKED BY | ALDRICH LAND SURVEYING | DATE 2001 |
| INSPECTOR'S ACCEPTANCE BY | COATTIERRA WEST | DATE 2001 |
| FIELD VERIFICATION BY | COATTIERRA WEST | DATE 2001 |
| DRAWINGS CORRECTED BY | TIERRA WEST | DATE 2001 |

MICRO-FILM INFORMATION

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

BENCH MARKS

NMSHC MONUMENT "NM 448-N7A"

CENTRAL STATION DATA

NM STATE PLANE COORDINATES

Central Zone

X=369804.62

Y=1510014.99

G-O=0.9996799

Da=-00°15'03"

ELEV=5006.41

SURVEY INFORMATION

FIELD NOTES

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

ENGINEER'S SEAL

REGISTERED RONALD RAY BOHANNAN NEW MEXICO 7868 PROFESSIONAL ENGINEER

10-22-01

REVISIONS

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

DESIGN

| | | |
|---|---|---|
| DESIGNED BY | JDN | DATE 11-00 |
| DRAWN BY | JDN | DATE 12-22-00 |
| DRAWN NAME: | 2041BIKE.DWG | |
| CHECKED BY | SCL | DATE 12-00 |

TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **BOSQUE MONTANO**

*WINTER HAVEN RD. IMPROVEMENTS*

| DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR. |
|---|---|---|---|---|
| APPROVED MAR 1 0 2001 | APPROVED APR 1 7 2001 CITY ENGINEER | | | |

| CITY PROJECT NO. | ZONE MAP NO. | SHEET | OF |
|---|---|---|---|
| 654781 | E-12-Z | 8 | 17 |

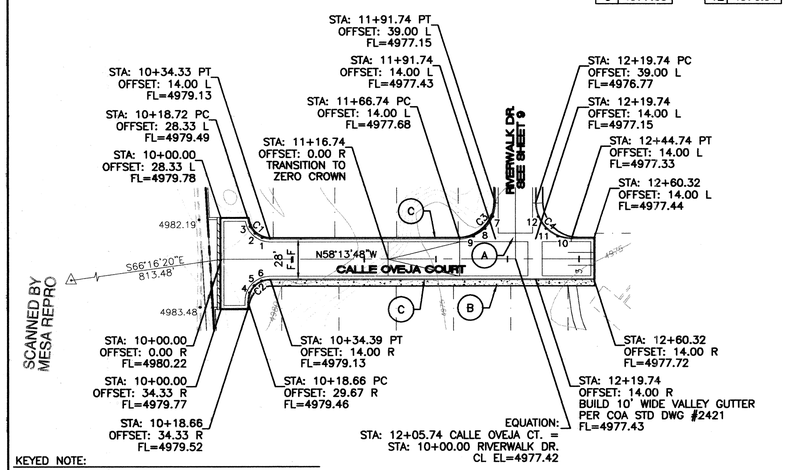
## CALLE OVEJA COURT (PRIVATE)
STA: 10+00.00 TO 12+60.32

### CURVE TABLE

| CURVE | LENGTH | RADIUS | DELTA | TANGENT | CHORD BEARING | CHORD LENGTH |
|---|---|---|---|---|---|---|
| C1 | 23.27 | 15.67 | 85°05'40" | 14.38 | S15°40'58"E | 21.19 |
| C2 | 24.61 | 15.67 | 90°00'00" | 15.67 | S76°46'12"W | 22.16 |
| C3 | 39.27 | 25.00 | 90°00'00" | 25.00 | N76°46'12"E | 35.36 |
| C4 | 39.27 | 25.00 | 90°00'00" | 25.00 | S13°13'48"E | 35.36 |

### QUARTER POINTS

| | FL | ELEV. |
|---|---|---|
| C1 | 1 | 4979.22 |
| | 2 | 4979.31 |
| | 3 | 4979.40 |
| C2 | 4 | 4979.38 |
| | 5 | 4979.30 |
| | 6 | 4979.21 |
| C3 | 7 | 4977.28 |
| | 8 | 4977.42 |
| | 9 | 4977.55 |
| C4 | 10 | 4977.19 |
| | 11 | 4977.05 |
| | 12 | 4976.91 |



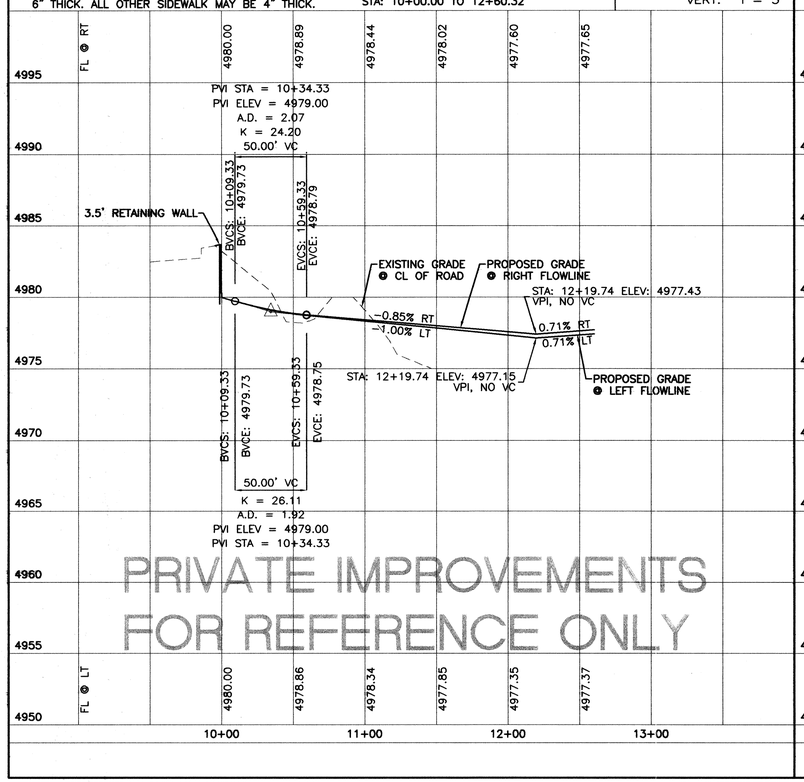

KEYED NOTE:

- (A) 6' VALLEY GUTTER PER C.O.A. STD DWG #2420
- (B) 4' SIDEWALK TO BE BUILT WITH THIS CONTRACT
- (C) MOUNTABLE CURB PER C.O.A. STD DWG #2415
- (D) STANDARD CURB PER C.O.A. STD DWG #2415

NOTE:

1. SEE MASTER PAVING PLAN FOR STREET SECTIONS AND WHEELCHAIR RAMP TYPES.
2. ALL CURB AND GUTTER ARE TO BE MOUNTABLE UNLESS OTHERWISE NOTED.
3. TRANSITIONS FROM MOUNTABLE C&G TO STANDARD C&G IS THRU THE HC RAMPS UNLESS OTHERWISE NOTED PER C.O.A. STD DWG #2418.
4. ALL SIDEWALKS IN FRONT OF THE LOTS ARE TO BE 6" THICK. ALL OTHER SIDEWALK MAY BE 4" THICK.

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



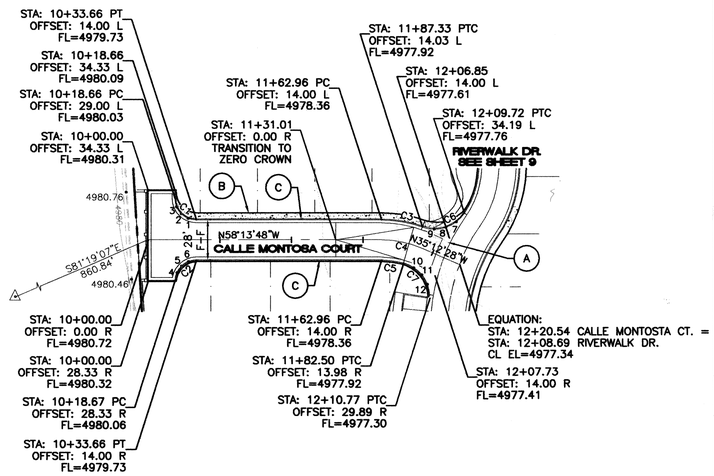

## CALLE MONTOSA COURT (PRIVATE)
STA: 10+00.00 TO 12+20.54

### CURVE TABLE

| CURVE | LENGTH | RADIUS | DELTA | TANGENT | CHORD BEARING | CHORD LENGTH |
|---|---|---|---|---|---|---|
| C1 | 23.56 | 15.00 | 90°00'00" | 15.00 | S13°13'48"E | 21.21 |
| C2 | 22.89 | 15.00 | 87°26'24" | 14.34 | S78°03'00"W | 20.73 |
| C3 | 29.24 | 84.67 | 19°47'05" | 14.77 | N48°20'15"W | 29.09 |
| C4 | 28.13 | 70.00 | 23°01'20" | 14.26 | N46°43'08"W | 27.94 |
| C5 | 15.64 | 56.67 | 15°48'57" | 7.87 | N50°19'19"W | 15.59 |
| C6 | 33.16 | 25.00 | 75°59'16" | 19.53 | S76°26'21"E | 30.78 |
| C7 | 30.50 | 25.00 | 69°53'32" | 17.47 | N07°28'05"W | 28.64 |

### QUARTER POINTS

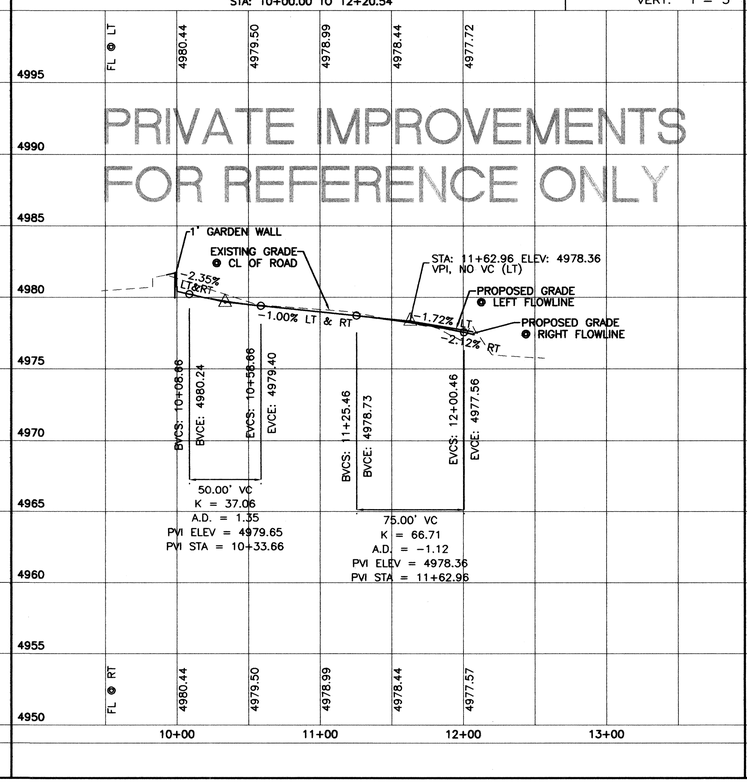
| | FL | ELEV. |
|---|---|---|
| C1 | 1 | 4979.81 |
| | 2 | 4979.88 |
| | 3 | 4979.96 |
| C2 | 4 | 4979.98 |
| | 5 | 4979.90 |
| | 6 | 4979.81 |
| C6 | 7 | 4977.80 |
| | 8 | 4977.84 |
| | 9 | 4977.88 |
| C7 | 10 | 4977.77 |
| | 11 | 4977.61 |
| | 12 | 4977.46 |




KEYED NOTE:

- (A) 6' VALLEY GUTTER PER C.O.A. STD DWG #2420
- (B) 4' SIDEWALK TO BE BUILT WITH THIS CONTRACT
- (C) MOUNTABLE CURB PER C.O.A. STD DWG #2415
- (D) STANDARD CURB PER C.O.A. STD DWG #2415

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



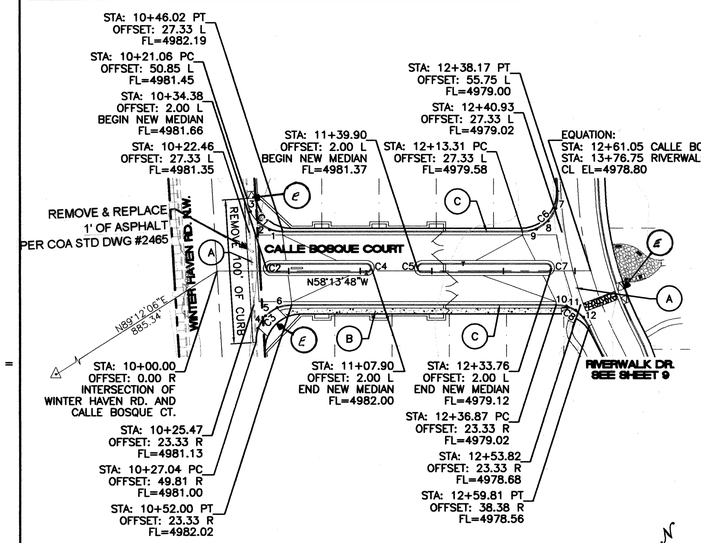

## CALLE BOSQUE COURT (PRIVATE)
STA: 10+00.00 TO 12+61.05

### CURVE TABLE

| CURVE | LENGTH | RADIUS | DELTA | TANGENT | CHORD BEARING | CHORD LENGTH |
|---|---|---|---|---|---|---|
| C1 | 37.79 | 25.00 | 86°36'01" | 23.56 | S14°55'48"E | 34.29 |
| C2 | 10.46 | 3.33 | 180°00'00" | UNDEFINED | S31°46'12"W | 6.66 |
| C3 | 40.75 | 25.00 | 93°23'59" | 26.53 | S75°04'12"W | 36.39 |
| C4 | 10.46 | 3.33 | 180°00'00" | UNDEFINED | N31°46'12"E | 6.66 |
| C5 | 10.46 | 3.33 | 180°00'00" | UNDEFINED | S31°46'12"W | 6.66 |
| C6 | 40.54 | 25.00 | 92°54'38" | 26.30 | N75°18'53"E | 36.24 |
| C7 | 10.46 | 3.33 | 180°00'00" | UNDEFINED | N31°46'12"E | 6.66 |
| C8 | 29.04 | 25.00 | 66°33'15" | 16.41 | N24°57'10"W | 27.43 |

### QUARTER POINTS

| | FL | ELEV. |
|---|---|---|
| C1 | 1 | 4982.01 |
| | 2 | 4981.82 |
| | 3 | 4981.64 |
| C3 | 4 | 4981.26 |
| | 5 | 4981.51 |
| | 6 | 4981.77 |
| C6 | 7 | 4979.15 |
| | 8 | 4979.29 |
| | 9 | 4979.44 |
| C8 | 10 | 4978.91 |
| | 11 | 4978.79 |
| | 12 | 4978.68 |

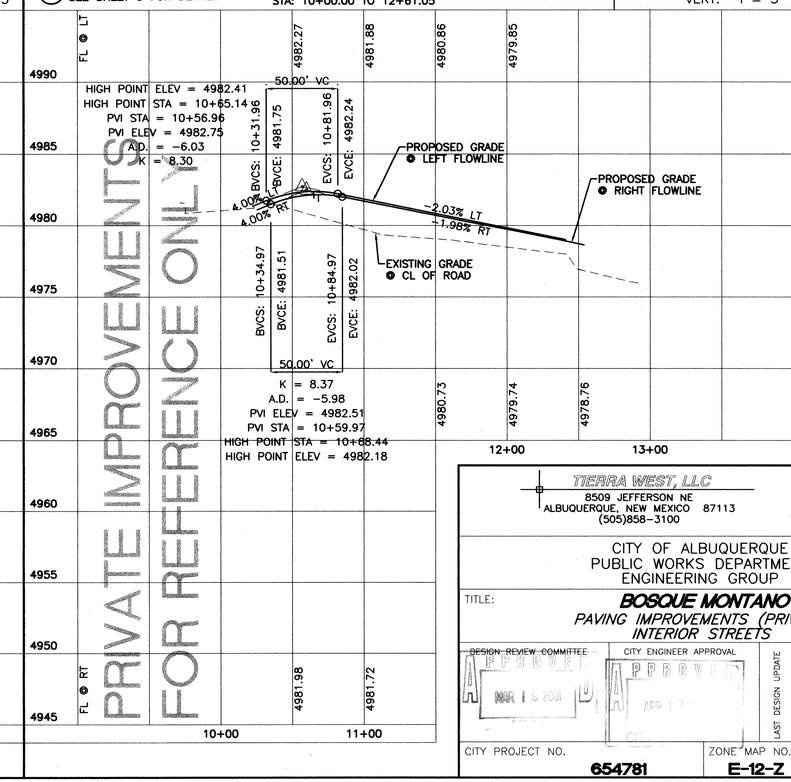



KEYED NOTE:

- (A) 6' VALLEY GUTTER PER C.O.A. STD DWG #2420
- (B) 4' SIDEWALK TO BE BUILT WITH THIS CONTRACT
- (C) MOUNTABLE CURB PER C.O.A. STD DWG #2415
- (D) STANDARD CURB PER C.O.A. STD DWG #2415
- (E) BUILD WHEEL CHAIR RAMPS SEE SHEET 5 FOR DETAILS

NOTE:
REMOVE CURB AND GUTTER WITHOUT DAMAGING EXISTING PAVEMENT AND POUR NEW VALLEY GUTTER AGAINST EXISTING PAVEMENT.

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




AS BUILT INFORMATION
CONTRACTOR FRANKLIN'S EARTHMOVING 2001
WORK STAKED BY ALDRICH LAND SURVEYING DATE 2001
INSPECTORS FIELD ACCEPTANCE BY COATERRA WEST DATE 2001
VERIFICATION TESTS BY COATERRA WEST DATE 2001
PLANS REVISED CORRECTED BY TIERRA WEST DATE 2001
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
NMSHC MONUMENT "NM 448-N7A"
CENTRAL STATION DATA
NM STATE PLANE COORDINATES
Central Zone
X=369804.62
Y=1510014.99
G-G=0.9996799
Dg=-00°15'03"
ELEV=5006.41

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 7864

REMARKS | BY
REVISIONS
DESIGN
DESIGNED BY JDN DATE 11-00
DRAWN BY JDN DATE 12-22-00
DRAWN NAME: 2041PAVPP.DWG
CHECKED BY SCL DATE 11-00
NO. | DATE

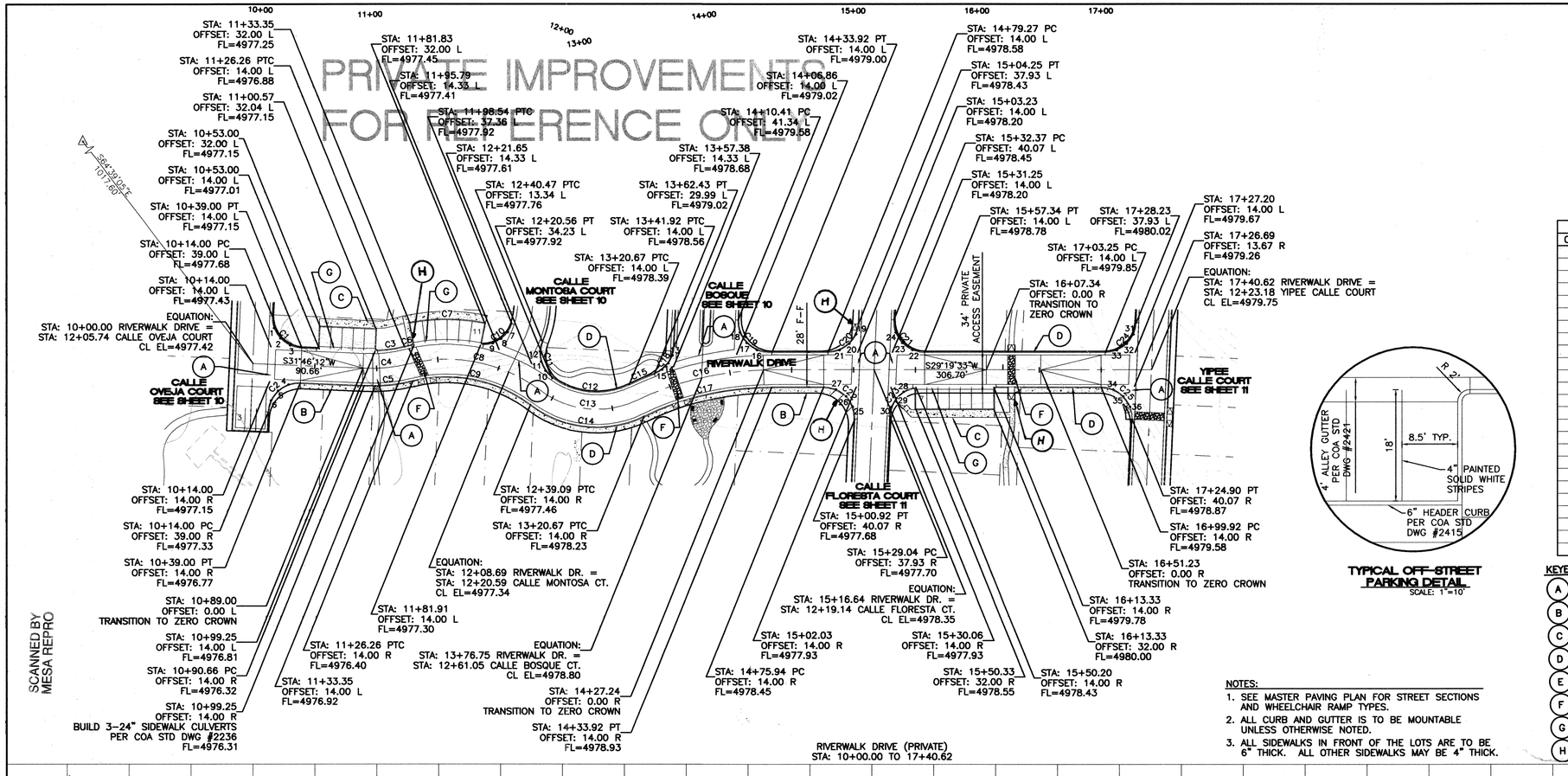

TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100


CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

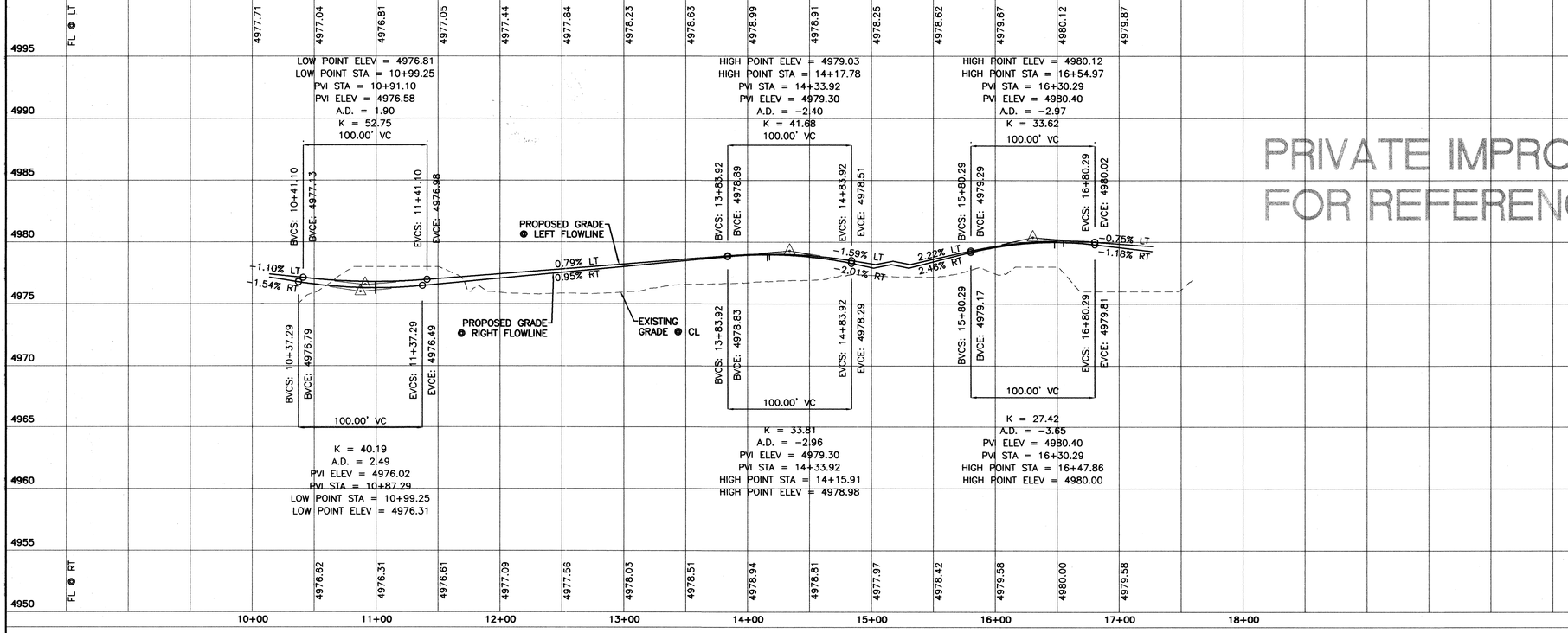
TITLE:
# BOSQUE MONTANO
## PAVING IMPROVEMENTS (PRIVATE)
## INTERIOR STREETS

DESIGN REVIEW COMMITTEE: APPROVED MAR 1 5 2001
CITY ENGINEER APPROVAL: APPROVED APR 17
LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO. 654781 | ZONE MAP NO. E-12-Z | SHEET 10 OF 17




SCANNED BY MESA REPRO




## QUARTER POINTS

| | FL | ELEV. | | FL | ELEV. | | FL | ELEV. | | FL | ELEV. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C1 | 1 | 4977.55 | C2 | 4 | 4976.91 | C10 | 7 | 4977.77 | C11 | 10 | 4977.80 |
| | 2 | 4977.42 | | 5 | 4977.05 | | 8 | 4977.61 | | 11 | 4977.84 |
| | 3 | 4977.28 | | 6 | 4977.19 | | 9 | 4977.46 | | 12 | 4977.88 |

| | FL | ELEV. | | FL | ELEV. | | FL | ELEV. | | FL | ELEV. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C18 | 13 | 4978.91 | C19 | 16 | 4979.15 | C20 | 19 | 4978.47 | C21 | 22 | 4978.70 |
| | 14 | 4978.79 | | 17 | 4979.29 | | 20 | 4978.51 | | 23 | 4978.62 |
| | 15 | 4978.68 | | 18 | 4979.44 | | 21 | 4978.54 | | 24 | 4978.53 |

| | FL | ELEV. | | FL | ELEV. | | FL | ELEV. | | FL | ELEV. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C22 | 25 | 4977.87 | C23 | 28 | 4978.25 | C24 | 31 | 4979.98 | C25 | 34 | 4979.40 |
| | 26 | 4978.07 | | 29 | 4978.07 | | 32 | 4979.94 | | 35 | 4979.23 |
| | 27 | 4978.26 | | 30 | 4977.88 | | 33 | 4979.89 | | 36 | 4979.05 |

| CURVE TABLE | | | | | | |
|---|---|---|---|---|---|---|
| CURVE | LENGTH | RADIUS | DELTA | TANGENT | CHORD BEARING | CHORD LENGTH |
| C1 | 39.27 | 25.00 | 90°00'00" | 25.00 | N76°46'12"E | 35.36 |
| C2 | 39.27 | 25.00 | 90°00'00" | 25.00 | S13°13'48"E | 35.36 |
| C3 | 22.05 | 110.00 | 11°29'14" | 11.06 | N21°04'00"E | 22.02 |
| C4 | 35.59 | 124.00 | 16°26'49" | 17.92 | N23°32'47"E | 35.47 |
| C5 | 39.61 | 138.00 | 16°26'49" | 19.94 | N23°32'47"E | 39.48 |
| C6 | 5.91 | 140.00 | 2°25'03" | 2.95 | S16°31'55"W | 5.91 |
| C7 | 60.80 | 158.00 | 22°02'52" | 30.78 | S29°34'18"W | 60.43 |
| C8 | 112.84 | 126.00 | 51°18'35" | 60.52 | S40°58'41"W | 109.10 |
| C9 | 100.30 | 112.00 | 51°18'35" | 53.79 | S40°58'41"W | 96.98 |
| C10 | 30.50 | 25.00 | 69°53'32" | 17.47 | N07°28'05"W | 28.64 |
| C11 | 33.16 | 25.00 | 75°59'16" | 19.53 | S76°26'21"E | 30.78 |
| C12 | 65.02 | 60.00 | 62°05'36" | 36.12 | N34°31'13"E | 61.89 |
| C13 | 81.57 | 74.00 | 63°09'33" | 45.49 | N35°03'12"E | 77.50 |
| C14 | 97.01 | 88.00 | 63°09'33" | 54.09 | N35°03'12"E | 92.17 |
| C15 | 22.43 | 265.00 | 4°51'02" | 11.22 | S05°53'56"W | 22.43 |
| C16 | 113.25 | 251.00 | 25°51'07" | 57.61 | S16°23'59"W | 112.29 |
| C17 | 106.94 | 237.00 | 25°51'07" | 54.39 | S16°23'59"W | 106.03 |
| C18 | 29.04 | 25.00 | 66°33'15" | 16.41 | N24°57'10"W | 27.43 |
| C19 | 40.54 | 25.00 | 92°54'38" | 26.30 | N75°18'53"E | 36.24 |
| C20 | 38.20 | 25.00 | 87°33'21" | 23.96 | N14°27'08"W | 34.59 |
| C21 | 40.34 | 25.00 | 92°26'39" | 26.09 | N75°32'52"E | 36.10 |
| C22 | 40.34 | 25.00 | 92°26'39" | 26.09 | S75°32'52"W | 36.10 |
| C23 | 31.96 | 25.00 | 73°14'38" | 18.58 | S21°36'29"E | 29.83 |
| C24 | 38.20 | 25.00 | 87°33'21" | 23.96 | N14°27'08"W | 34.59 |
| C25 | 40.34 | 25.00 | 92°26'39" | 26.09 | S75°32'52"W | 36.10 |




**TYPICAL OFF-STREET PARKING DETAIL**
SCALE: 1"=10'

**KEYED NOTE:**

- (A) 10' VALLEY GUTTER PER C.O.A. STD DWG #2420
- (B) 4' SIDEWALK TO BE BUILT WITH THIS CONTRACT
- (C) 6' SIDEWALK TO BE BUILT WITH THIS CONTRACT
- (D) MOUNTABLE CURB PER C.O.A. STD DWG #2415
- (E) STANDARD CURB PER C.O.A. STD DWG #2415
- (F) CONCRETE PEDESTRIAN CROSSING SEE SHEET 7 FOR DETAIL
- (G) 4' VALLEY GUTTER PER C.O.A. STD DWG #2421
- (H) BUILD WHEEL CHAIR RAMP SEE SHEET 5 FOR DETAILS

**NOTES:**

1. SEE MASTER PAVING PLAN FOR STREET SECTIONS AND WHEELCHAIR RAMP TYPES.
2. ALL CURB AND GUTTER IS TO BE MOUNTABLE UNLESS OTHERWISE NOTED.
3. ALL SIDEWALKS IN FRONT OF THE LOTS ARE TO BE 6" THICK. ALL OTHER SIDEWALKS MAY BE 4" THICK.

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

AS BUILT INFORMATION
CONTRACTOR FRANKLIN'S EARTHMOVING DATE 2001
WORK STAKED BY ALDRICH LAND SURVEYING DATE 2001
INSPECTOR'S ACCEPTANCE BY COA/TIERRA WEST DATE 2001
FIELD VERIFICATION BY COA/TIERRA WEST DATE 2001
DRAWINGS CORRECTED BY TIERRA WEST DATE 2001
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
NMSHC MONUMENT "NM 448-N7A"
CENTRAL STATION DATA
NM STATE PLANE COORDINATES
Central Zone
X=369804.62
Y=1510014.99
G-G=0.9996799
D0=-00°15'03"
ELEV=5006.41

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
DONALD RAY BOHANNAN NEW MEXICO 6868 PROFESSIONAL ENGINEER

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

DESIGN
DESIGNED BY JDN DATE 11-00
DRAWN BY JDN DATE 12-05-00
DRAWN NAME: 2041RIVPP.DWG
CHECKED BY SCL DATE 11-00

TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **BOSQUE MONTANO**
PAVING IMPROVEMENTS (PRIVATE)
RIVERWALK DRIVE STA: 10+00.00 TO 17+40.62

DESIGN REVIEW COMMITTEE: APPROVED
CITY ENGINEER APPROVAL: APR 1 7 2001 CITY ENGINEER
LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO. 654781 | ZONE MAP NO. E-12-Z | SHEET 9 OF 17

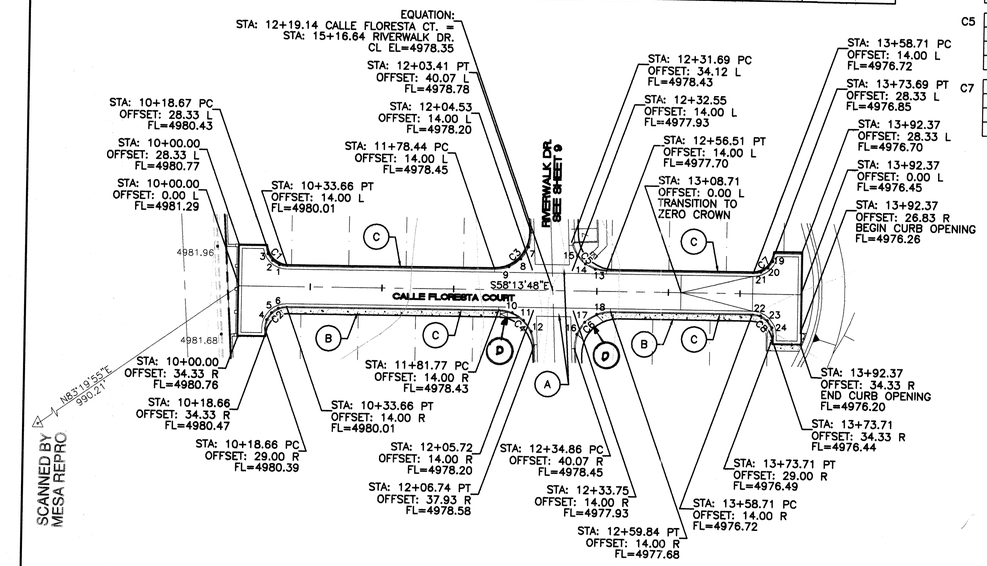
NOTE:
1. SEE MASTER PAVING PLAN FOR STREET SECTIONS AND WHEELCHAIR RAMP TYPES.
2. ALL CURB AND GUTTER ARE TO BE MOUNTABLE UNLESS OTHERWISE NOTED.
3. ALL SIDEWALKS IN FRONT OF THE LOTS ARE TO BE 6" THICK. ALL OTHER SIDEWALKS MAY BE 4" THICK.

CURVE TABLE

| CURVE | LENGTH | RADIUS | DELTA | TANGENT | CHORD BEARING | CHORD LENGTH |
|---|---|---|---|---|---|---|
| C1 | 22.89 | 15.00 | 87°26'24" | 14.34 | S14°30'36"E | 20.73 |
| C2 | 23.56 | 15.00 | 90°00'00" | 15.00 | S76°46'12"W | 21.21 |
| C3 | 40.34 | 25.00 | 92°26'39" | 26.09 | N75°32'52"E | 36.10 |
| C4 | 38.20 | 25.00 | 87°33'21" | 23.96 | N14°27'08"W | 34.59 |
| C5 | 31.96 | 25.00 | 73°14'38" | 18.58 | S21°36'29"E | 29.83 |
| C6 | 40.34 | 25.00 | 92°26'39" | 26.09 | S75°32'52"W | 36.10 |
| C7 | 22.89 | 15.00 | 87°26'24" | 14.34 | N78°03'00"E | 20.73 |
| C8 | 23.56 | 15.00 | 90°00'00" | 15.00 | N13°13'48"W | 21.21 |

QUARTER POINTS

| | FL | ELEV. |
|---|---|---|
| C1 | 1 | 4980.12 |
| | 2 | 4980.22 |
| | 3 | 4980.33 |
| C2 | 4 | 4980.30 |
| | 5 | 4980.20 |
| | 6 | 4980.11 |
| C3 | 7 | 4978.70 |
| | 8 | 4978.62 |
| | 9 | 4978.53 |
| C4 | 10 | 4978.47 |
| | 11 | 4978.51 |
| | 12 | 4978.54 |
| C5 | 13 | 4977.88 |
| | 14 | 4978.07 |
| | 15 | 4978.25 |
| C6 | 16 | 4978.26 |
| | 17 | 4978.07 |
| | 18 | 4978.25 |
| C7 | 19 | 4976.82 |
| | 20 | 4976.79 |
| | 21 | 4976.75 |
| C8 | 22 | 4976.66 |
| | 23 | 4976.61 |
| | 24 | 4976.55 |



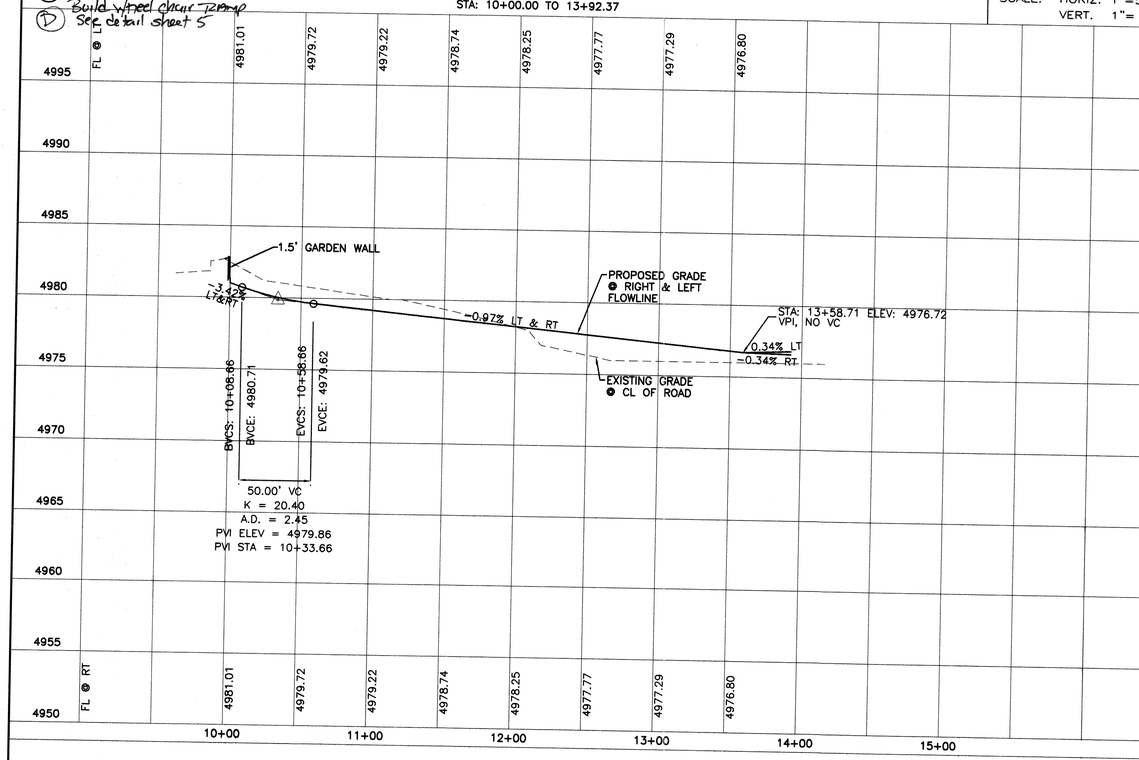

SCANNED BY MESA REPRO

PRIVATE IMPROVEMENTS FOR REFERENCE ONLY

KEYED NOTE:
- (A) 6' VALLEY GUTTER PER C.O.A. STD DWG #2420
- (B) 4' SIDEWALK TO BE BUILT WITH THIS CONTRACT
- (C) MOUNTABLE CURB PER C.O.A. STD DWG #2415
- (D) Build wheel chair ramp See detail sheet 5

CALLE FLORESTA COURT
STA: 10+00.00 TO 13+92.37

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



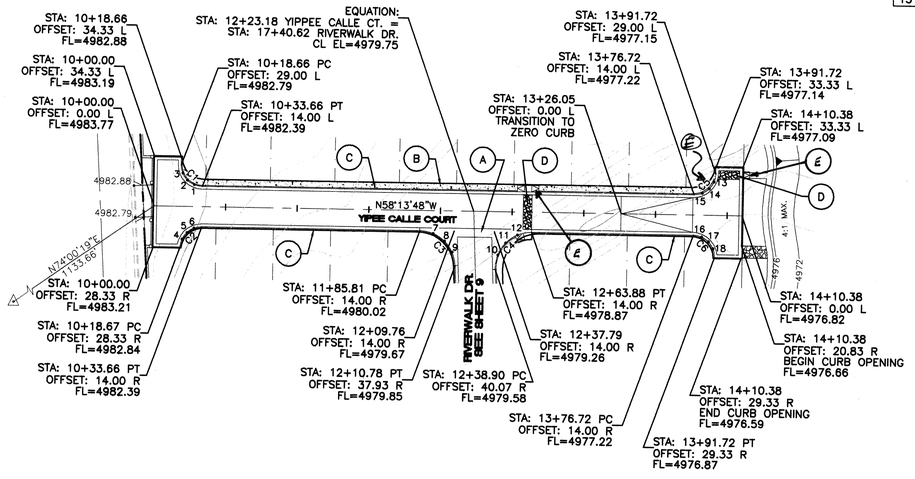

NOTE:
1. SEE MASTER PAVING PLAN FOR STREET SECTIONS AND WHEELCHAIR RAMP TYPES.
2. ALL CURB AND GUTTER ARE TO BE MOUNTABLE UNLESS OTHERWISE NOTED.
3. ALL SIDEWALKS IN FRONT OF THE LOTS ARE TO BE 6" THICK. ALL OTHER SIDEWALKS MAY BE 4" THICK.

CURVE TABLE

| CURVE | LENGTH | RADIUS | DELTA | TANGENT | CHORD BEARING | CHORD LENGTH |
|---|---|---|---|---|---|---|
| C1 | 23.56 | 15.00 | 90°00'00" | 15.00 | S13°13'48"E | 21.21 |
| C2 | 22.89 | 15.00 | 87°26'24" | 14.34 | S78°03'00"W | 20.73 |
| C3 | 38.20 | 25.00 | 87°33'21" | 23.96 | N14°27'08"W | 34.59 |
| C4 | 40.34 | 25.00 | 92°26'39" | 26.09 | S75°32'52"W | 36.10 |
| C5 | 23.56 | 15.00 | 90°00'00" | 15.00 | N76°46'12"E | 21.21 |
| C6 | 23.56 | 15.00 | 90°00'00" | 15.00 | N13°13'48"W | 21.21 |

QUARTER POINTS

| | FL | ELEV. |
|---|---|---|
| C1 | 1 | 4982.49 |
| | 2 | 4982.59 |
| | 3 | 4982.69 |
| C2 | 4 | 4982.73 |
| | 5 | 4982.62 |
| | 6 | 4982.50 |
| C3 | 7 | 4979.98 |
| | 8 | 4979.94 |
| | 9 | 4979.89 |
| C4 | 10 | 4979.40 |
| | 11 | 4979.23 |
| | 12 | 4979.05 |
| C5 | 13 | 4977.13 |
| | 14 | 4977.12 |
| | 15 | 4977.10 |
| C6 | 16 | 4977.13 |
| | 17 | 4977.05 |
| | 18 | 4976.96 |

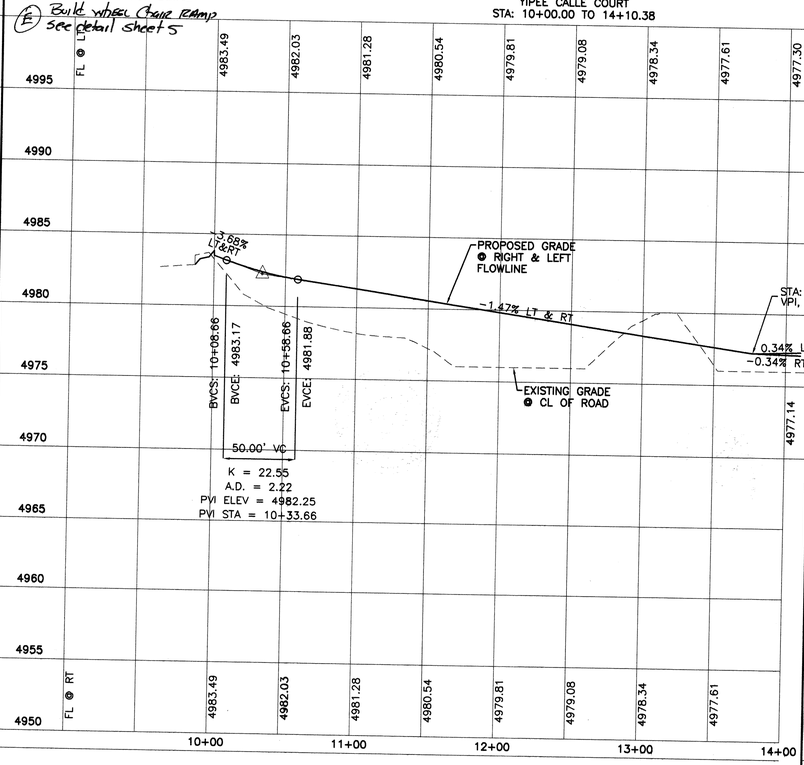



PRIVATE IMPROVEMENTS FOR REFERENCE ONLY

KEYED NOTE:
- (A) 6' VALLEY GUTTER PER C.O.A. STD DWG #2420
- (B) 4' SIDEWALK TO BE BUILT WITH THIS CONTRACT
- (C) MOUNTABLE CURB PER C.O.A. STD DWG #2415
- (D) CONCRETE PEDESTRIAN CROSSING SEE SHEET 5 FOR DETAIL
- (E) Build wheel chair RAMP See detail sheet 5

YIPEE CALLE COURT
STA: 10+00.00 TO 14+10.38

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




TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
**BOSQUE MONTANO**
PAVING IMPROVEMENTS
CALLE FLORESTA CT. AND YIPPEE CALLE CT.

DESIGN REVIEW COMMITTEE: APPROVED MAR 1
CITY ENGINEER APPROVAL: APR 1 CITY ENGINEER
LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO. 654781 | ZONE MAP NO. E-12-Z | SHEET 11 OF 17

AS BUILT INFORMATION
CONTRACTOR: FRANK'S EARTHMOVING DATE 2001
CH LAND SURVEYING DATE 2001
WORK STAKED BY: ALDRICH
INSPECTED BY: TIERRA WEST DATE 2001
ACCEPTANCE BY: CITY DATE 2001
FIELD VERIFICATION BY: TIERRA WEST DATE 2001
DRAWINGS CORRECTED BY: MICRO-FILM INFORMATION DATE
RECORDED BY
NO.

BENCH MARKS
NMSHC MONUMENT "NM 448-NTA"
CENTRAL STATION DATA
NM STATE PLANE COORDINATES
Central Zone
X=369804.62
Y=1510014.99
G-G=0.9996799
Da=-00°15'03"
ELEV=5006.41

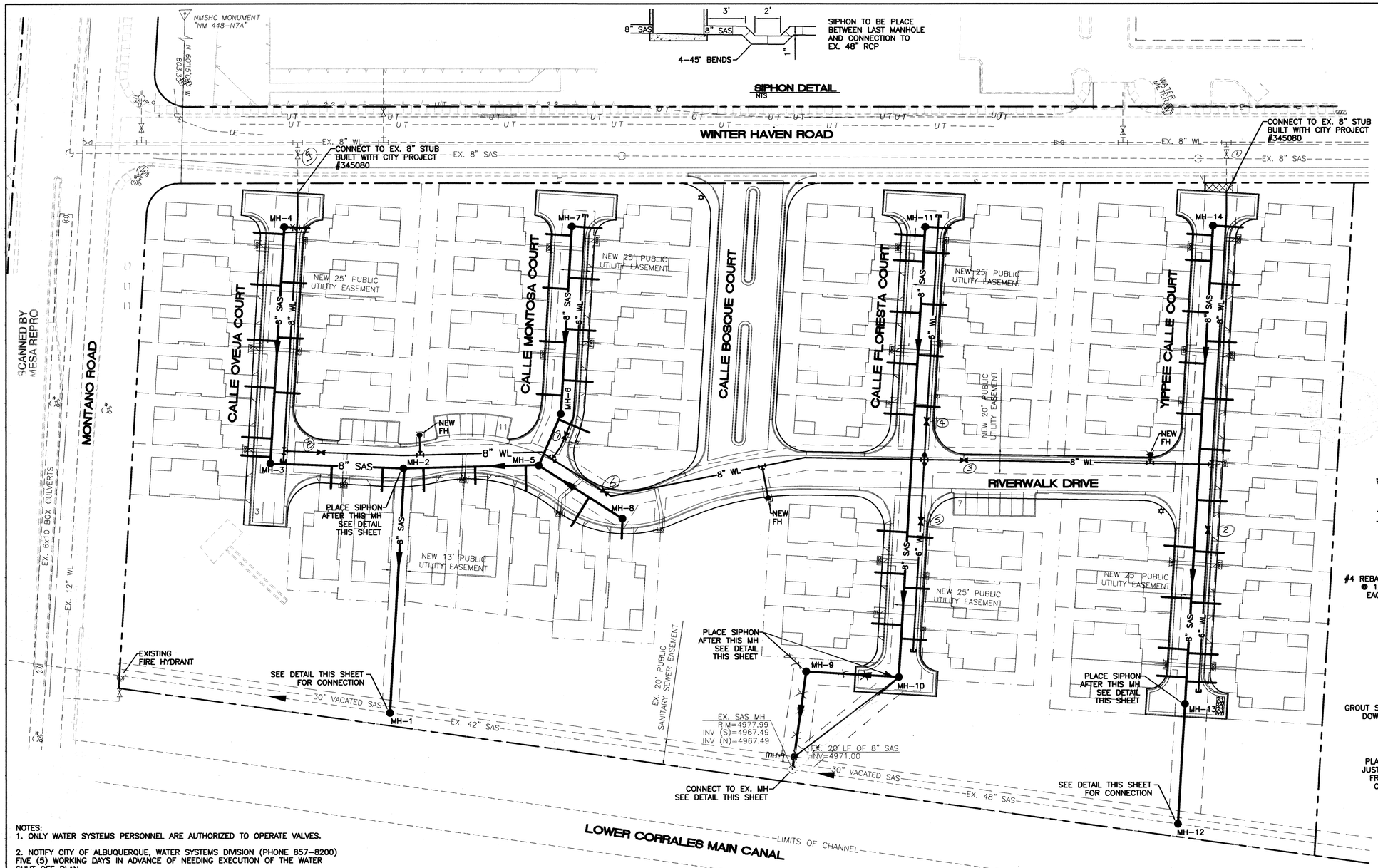
SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
PROFESSIONAL ENGINEER 7868 STATE OF NEW MEXICO

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

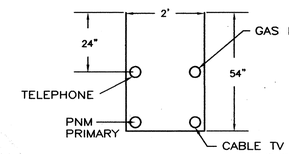
REVISIONS

DESIGN
DESIGNED BY JDN DATE 11-00
DRAWN BY JDN DATE 12-22-00
DRAWN NAME: 2041YIPPP.DWG
CHECKED BY SL DATE 11-00

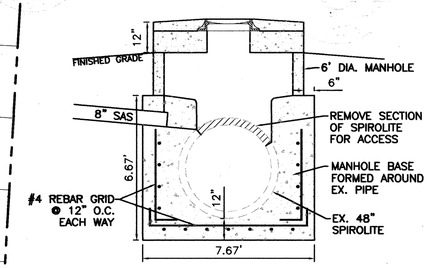



## LEGEND

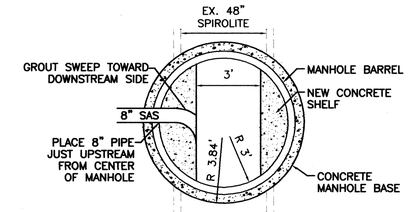
- EXISTING SD MANHOLE
- EXISTING SAS MANHOLE
- EXISTING METER
- EXISTING VALVE W/BOX
- EXISTING FIRE HYDRANT
- EX. 8" SAS — EXISTING SANITARY SEWER LINE
- EX. 16" WL — EXISTING WATER LINE
- EXISTING CURB & GUTTER
- 8" SAS — PROPOSED SANITARY SEWER LINE
- 8" WL — PROPOSED WATERLINE
- BOUNDARY LINE
- EASEMENT
- NEW SANITARY SEWER MANHOLE
- NEW FIRE HYDRANT
- NEW WATER SERVICE
- NEW GATE VALVE




**UTILITY TRENCH DETAIL**
NTS




**PROFILE VIEW**



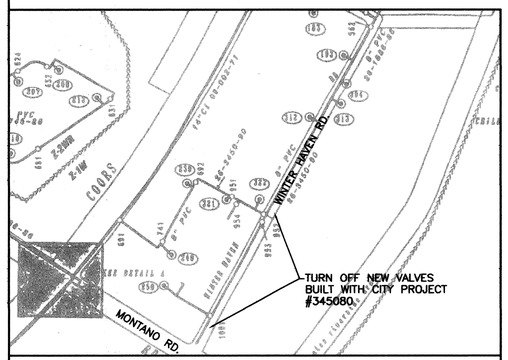

**PLAN VIEW**

**SAS CONNECTION DETAIL**
NTS

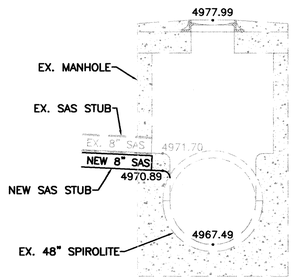
## CAUTION:

EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

NOTES:
1. ONLY WATER SYSTEMS PERSONNEL ARE AUTHORIZED TO OPERATE VALVES.
2. NOTIFY CITY OF ALBUQUERQUE, WATER SYSTEMS DIVISION (PHONE 857-8200) FIVE (5) WORKING DAYS IN ADVANCE OF NEEDING EXECUTION OF THE WATER SHUT OFF PLAN
3. APPROXIMATE SHUT OFF TIME WILL BE 24 HOURS.
4. SHUTOFF THE VALVES INDICATED IN THE BELOW PLAN




**WATER SHUTOFF PLAN**




**SAS CONNECTION DETAIL**
NTS

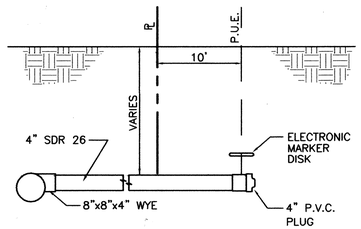
## NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.
8. CONTRACTOR IS RESPONSIBLE TO PROVIDE UTILITY STUBS 5' FROM BUILDING

RECORD DRAWING

I, Ronald R. Bohannan, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "record drawing" was provided by Aldrich Land Surveying Inc. Field Inspection or under my supervision and represents the "record" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

10/1/01




**WYE FITTING SANITARY SERVICE CONNECTION**
NTS

GRAPHIC SCALE
40 20 0 20 40
SCALE: 1"=40'

AS BUILT INFORMATION
CONTRACTOR FRANKLIN'S EARTHMOVING 2001
WORK STAKED BY ALDRICH LAND SURVEYING DATE 2001
INSPECTOR'S ACCEPTANCE BY COATTERRA WEST DATE 2001
FIELD VERIFICATION BY COATTERRA WEST DATE 2001
DRAWINGS CORRECTED BY TIERRA WEST DATE 2001
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
NMSHC MONUMENT "NM 448-N7A"
CENTRAL STATION DATA
NM STATE PLANE COORDINATES
Central Zone
X=369804.62
Y=1510014.99
G-G=0.9996799
Da=-00°15'03"
ELEV=5006.41

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
RONALD R. BOHANNAN NEW MEXICO 8568 PROFESSIONAL ENGINEER

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

DESIGN
DESIGNED BY JDN DATE 11-00
DRAWN BY JDN DATE 02-13-01
DRAWN NAME: 2041MUDRC.DWG
CHECKED BY SCL DATE 11-00

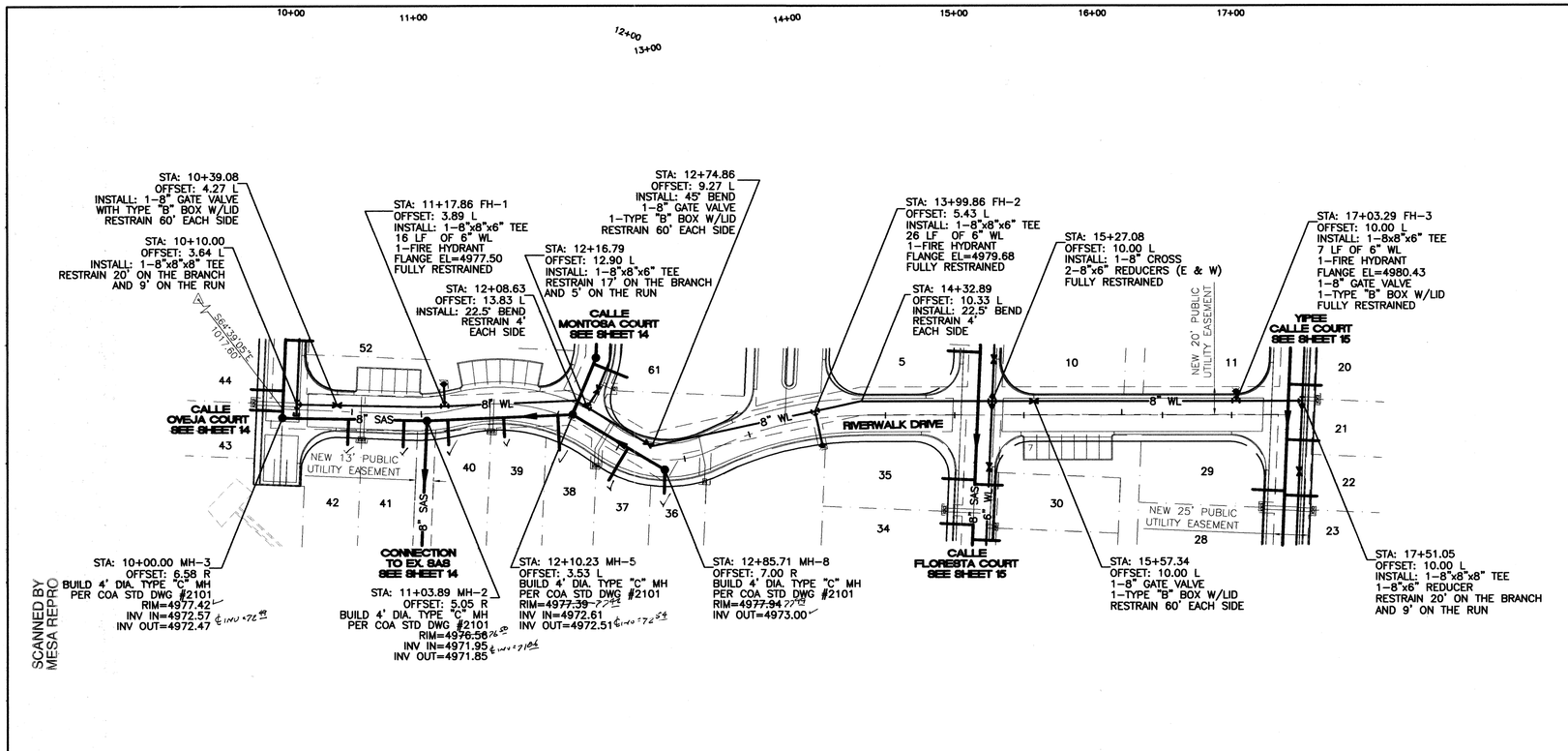
TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **BOSQUE MONTANO**
*MASTER UTILITY PLAN*

DESIGN REVIEW COMMITTEE — APPROVED MAR 1 — DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL — APPROVED
LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO. 654781 | ZONE MAP NO. E-12-Z | SHEET 12 OF 17




SCANNED BY
MESA REPRO

## SAS TABLE

| LOT # | STATION* | LF | INV.* | ELEV. @ PL |
|---|---|---|---|---|
| 36 | 12+85.72 | 17 | 4973.34 | 4978.65 |
| 37 | 12+54.33 | 27 | 4973.38 | 4978.40 |
| 38 | 12+12.47 | 26 | 4972.98 | 4978.07 |
| 39 | 11+61.74 | 17 | 4972.60 | 4977.67 |
| 40 | 11+16.12 | 24 | 4972.54 | 4977.37 |
| 41 | 10+87.91 | 26 | 4972.59 | 4977.35 |
| 42 | 10+47.91 | 25 | 4972.77 | 4977.59 |

* @ END OF SERVICE LINE

## WL TABLE

| LOT # | STATION | SERVICE |
|---|---|---|
| 36 | 1+00 | SINGLE |
| 37&38 | 1+00 | DOUBLE |
| 39&40 | 1+00 | DOUBLE |
| 41&42 | 1+00 | DOUBLE |

RECORD DRAWING

I, Ronald R. Bohannan, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "record drawing" was provided by Aldrich Land Surveying Inc., Field Inspection or under my supervision and represents the "record" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

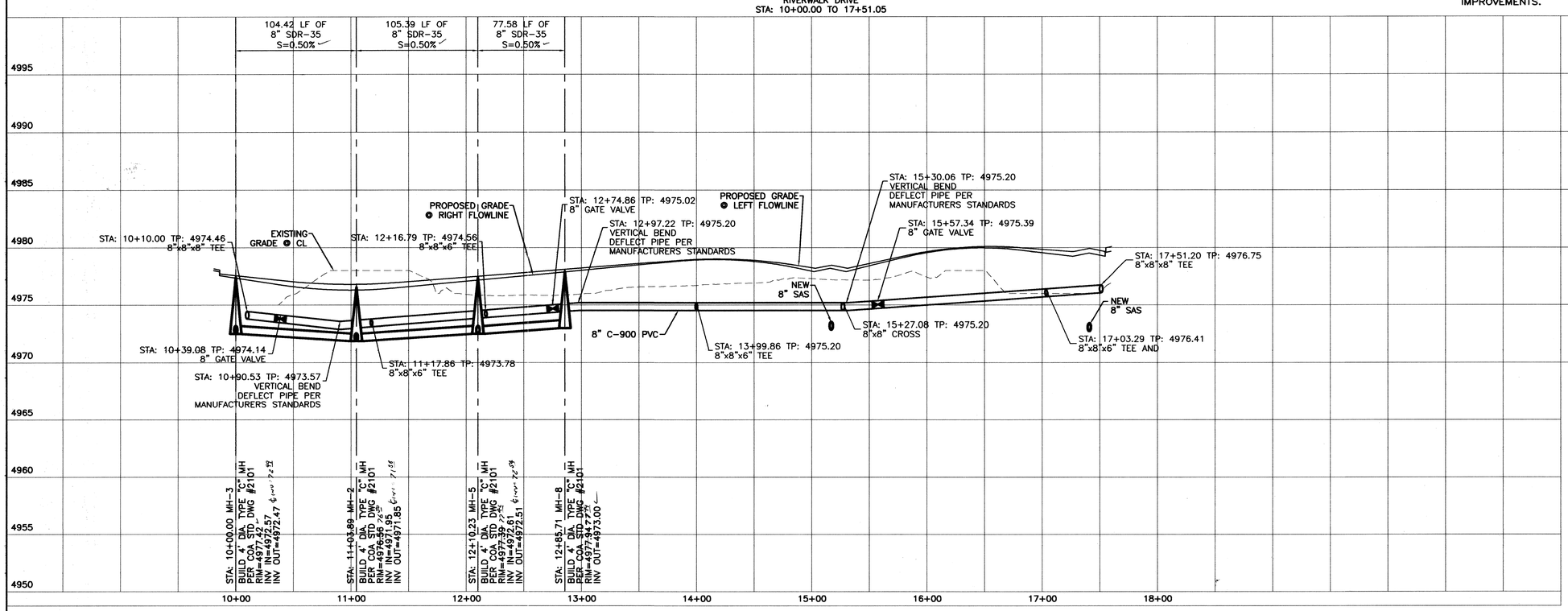
10/11/01

NOTE:
1. SEE MASTER UTILITY PLAN FOR SANITARY SEWER SERVICE CONNECTION DETAILS.
2. ALL FIRE HYDRANTS ARE TO BE BUILT PER C.O.A. STD DWG #2340 W/BLOCKING
3. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.
4. BASIS OF STATIONING IS CL OF ROAD.

**CAUTION:**
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

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

RIVERWALK DRIVE
STA: 10+00.00 TO 17+51.05




AS BUILT INFORMATION
CONTRACTOR FRANKLIN'S EARTHMOVING DATE 2001
WORK STAKED BY ALDRICH LAND SURVEYING DATE 2001
INSPECTOR'S FIELD CHANGES BY COA/TIERRA WEST DATE 2001
VERIFICATION BY COA/TIERRA WEST DATE 2001
DRAWINGS CORRECTED BY TIERRA WEST DATE 2001
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
NMSHC MONUMENT "NM 448-N7A"
CENTRAL STATION DATA
NM STATE PLANE COORDINATES
Central Zone
X=369804.62
Y=1510014.39
G-G=0.9996799
Dg=-00°15'03"
ELEV=5006.41

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
REGISTERED RONALD RAY BOHANNAN NEW MEXICO 8681 PROFESSIONAL ENGINEER

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

REVISIONS

DESIGN
DESIGNED BY JDN DATE 11-00
DRAWN BY JDN DATE 11-22-00
DRAWN NAME: 2041RIVUTPP.DWG
CHECKED BY SL DATE 11-00

TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

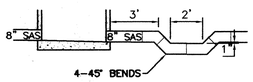
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
**BOSQUE MONTANO**
UTILITY IMPROVEMENTS
RIVERWALK DRIVE STA: 10+00.00 TO 17+51.05

DESIGN REVIEW COMMITTEE: APPROVED MAR 1
CITY ENGINEER APPROVAL: APPROVED APR 1 CITY ENGINEER
LAST DESIGN UPDATE MO./DAY/YR. MO./DAY/YR.

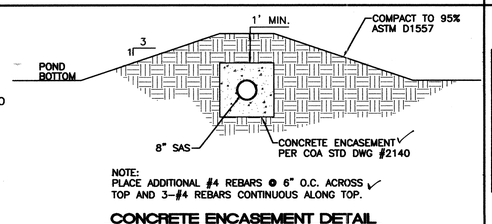
CITY PROJECT NO. 654781
ZONE MAP NO. E-12-Z
SHEET 13 OF 17

NOTE:
1. SEE MASTER UTILITY PLAN FOR SANITARY SEWER SERVICE CONNECTION DETAILS.
2. ALL FIRE HYDRANTS ARE TO BE BUILT PER C.O.A. STD DWG #2340 W/BLOCKING
3. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.



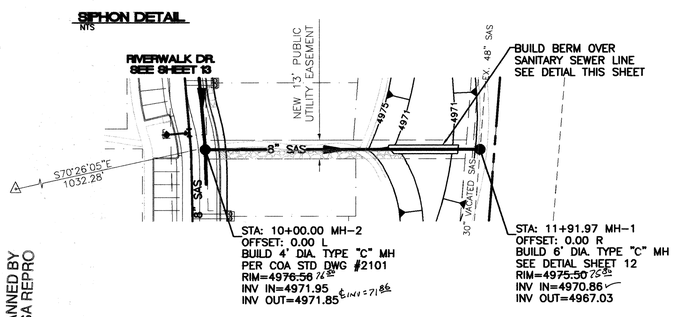

SIPHON TO BE PLACE BETWEEN LAST MANHOLE AND CONNECTION TO EX. 48" SPIROLITE

## SIPHON DETAIL
NTS




NOTE:
PLACE ADDITIONAL #4 REBARS @ 6" O.C. ACROSS TOP AND 3-#4 REBARS CONTINUOUS ALONG TOP.

## CONCRETE ENCASEMENT DETAIL
NTS

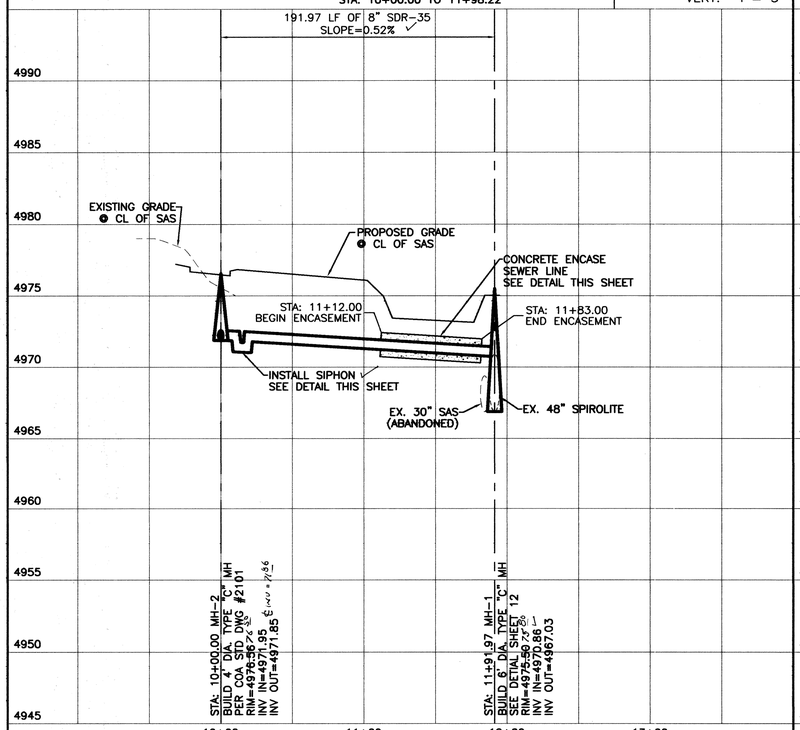



SCANNED BY MESA REPRO

**CAUTION:**
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

RIVERWALK DR. TO EX. 42" SAS
STA: 10+00.00 TO 11+98.22

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



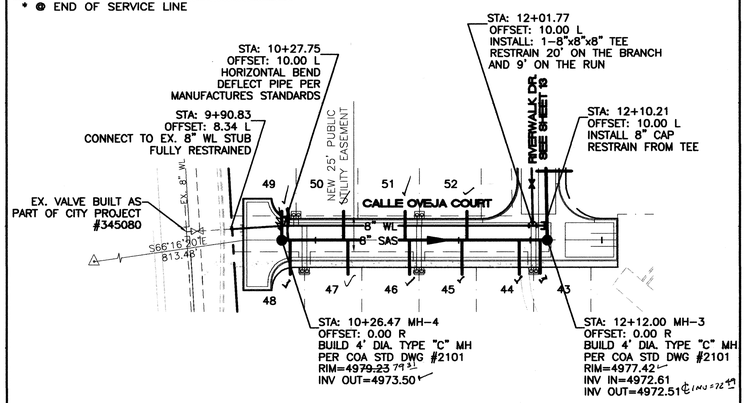

## SAS TABLE

| LOT # | STATION* | LF | INV.* | ELEV. @ PL |
|---|---|---|---|---|
| 43 | 12+07.00 | 24 | 4973.09 | 4977.95 |
| 44 | 11+92.32 | 24 | 4973.16 | 4978.09 |
| 45 | 11+52.32 | 24 | 4973.36 | 4978.43 |
| 46 | 11+15.65 | 24 | 4973.54 | 4978.77 |
| 47 | 10+72.56 | 24 | 4973.76 | 4979.13 |
| 48 | 10+32.32 | 24 | 4973.96 | 4979.49 |
| 49 | 10+27.75 | 20 | 4973.90 | 4979.62 |
| 50 | 10+69.56 | 20 | 4973.69 | 4979.05 |
| 51 | 11+12.65 | 20 | 4973.48 | 4978.62 |
| 52 | 11+55.74 | 20 | 4973.26 | 4978.22 |

* @ END OF SERVICE LINE

## WL TABLE

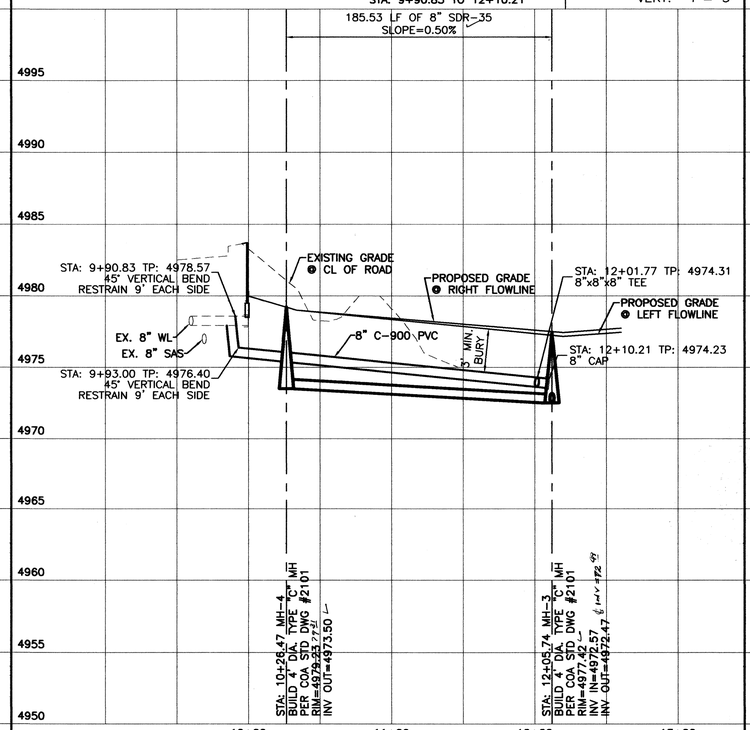
| LOT # | STATION | SERVICE |
|---|---|---|
| 43&44 | 12+02.32 | DOUBLE |
| 45&46 | 11+22.32 | DOUBLE |
| 47&48 | 10+42.32 | DOUBLE |
| 49&50 | 10+36.47 | DOUBLE |
| 51&52 | 11+22.65 | DOUBLE |




NOTE:
1. SEE MASTER UTILITY PLAN FOR SANITARY SEWER SERVICE CONNECTION DETAILS.
2. ALL FIRE HYDRANTS ARE TO BE BUILT PER C.O.A. STD DWG #2340 W/BLOCKING
3. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.

CALLE OVEJA COURT
STA: 9+90.83 TO 12+10.21

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



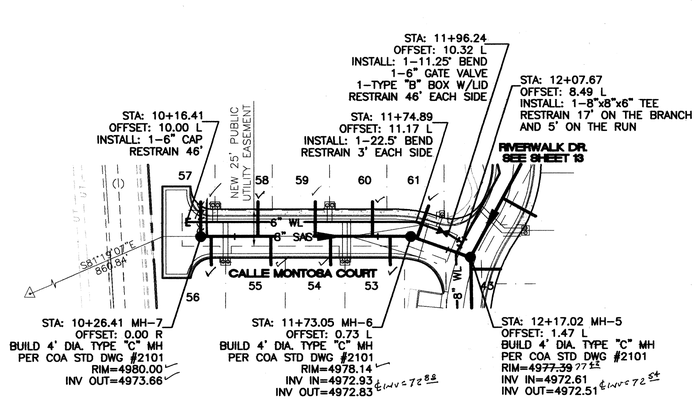

## SAS TABLE

| LOT # | STATION* | LF | INV.* | ELEV. @ PL |
|---|---|---|---|---|
| 53 | 11+58.66 | 20 | 4973.40 | 4978.75 |
| 54 | 11+16.99 | 20 | 4973.61 | 4979.25 |
| 55 | 10+75.32 | 20 | 4973.82 | 4979.66 |
| 56 | 10+33.66 | 20 | 4974.02 | 4980.16 |
| 57 | 10+26.41 | 24 | 4974.24 | 4980.30 |
| 58 | 10+66.41 | 24 | 4973.94 | 4979.75 |
| 59 | 11+06.41 | 24 | 4973.74 | 4979.35 |
| 60 | 11+46.41 | 24 | 4973.54 | 4978.96 |
| 61 | 11+79.93 | 24 | 4973.29 | 4978.50 |

* @ END OF SERVICE LINE

## WL TABLE

| LOT # | STATION | SERVICE |
|---|---|---|
| 53&54 | 11+26.99 | DOUBLE |
| 55&56 | 10+43.66 | DOUBLE |
| 57&58 | 10+36.41 | DOUBLE |
| 59&60 | 11+16.41 | DOUBLE |
| 61 | 11+82.01 | SINGLE |




RECORD DRAWING

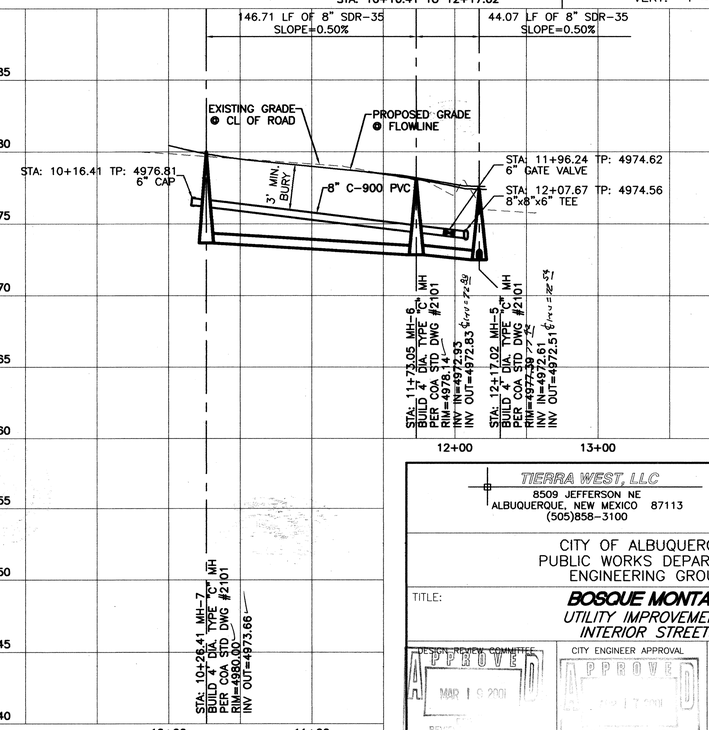
I, Ronald R. Bohannan, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "record drawing" was provided by Aldrich Land Surveying Inc., Field Inspection or under my supervision and represents the "record" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

10/11/01

NOTE:
1. SEE MASTER UTILITY PLAN FOR SANITARY SEWER SERVICE CONNECTION DETAILS.
2. ALL FIRE HYDRANTS ARE TO BE BUILT PER C.O.A. STD DWG #2340 W/BLOCKING
3. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.

CALLE MONTOSA COURT
STA: 10+16.41 TO 12+17.02

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




AS BUILT INFORMATION
CONTRACTOR FRANKLIN'S EARTHMOVING DATE 2001
WORK STAKED BY ALDRICH LAND SURVEYING DATE 2001
INSPECTOR'S ACCEPTANCE BY COA/TERRA WEST DATE 2001
FIELD VERIFICATION BY COA/TERRA WEST DATE 2001
DRAWINGS CORRECTED BY TERRA WEST DATE 2001
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
NMSHC MONUMENT "NM 448-N7A"
CENTRAL STATION DATA
NM STATE PLANE COORDINATES
Central Zone
X=369804.62
Y=1510014.99
G-G=0.9996799
Dg=-00°15'03"
ELEV=5006.41

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
2/14/02

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

DESIGN
DESIGNED BY JDN DATE 11-00
DRAWN BY JDN DATE 02-13-01
DRAWN NAME: 2041UTPP.DWG
CHECKED BY SL DATE 11-00

TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
**BOSQUE MONTANO**
*UTILITY IMPROVEMENTS*
*INTERIOR STREETS*

DESIGN REVIEW COMMITTEE: APPROVED MAR 1 9 2001
CITY ENGINEER APPROVAL: APPROVED CITY ENGINEER
LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO. 654781 | ZONE MAP NO. E-12-Z | SHEET 14 OF 17

## SAS TABLE

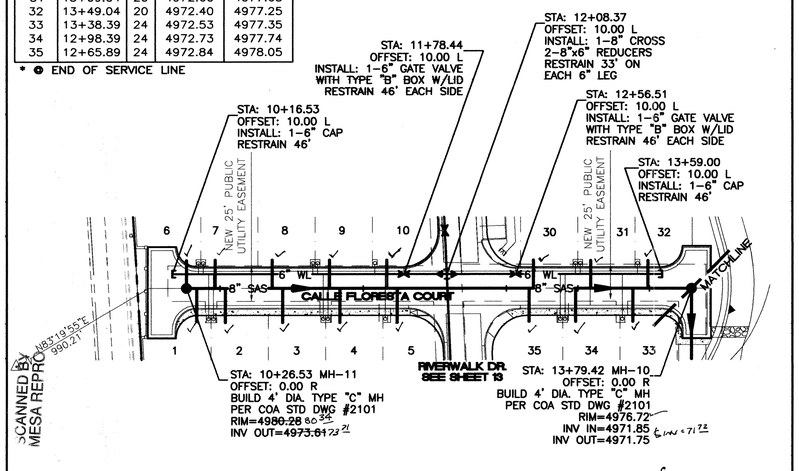
| LOT # | STATION* | LF | INV.* | ELEV. @ PL |
|---|---|---|---|---|
| 1 | 10+33.78 | 24 | 4974.05 | 4980.29 |
| 2 | 10+53.78 | 24 | 4973.95 | 4980.10 |
| 3 | 10+93.78 | 24 | 4973.75 | 4979.71 |
| 4 | 11+33.78 | 24 | 4973.55 | 4979.33 |
| 5 | 10+73.78 | 24 | 4973.85 | 4979.91 |
| 6 | 10+26.53 | 20 | 4974.81 | 4980.36 |
| 7 | 10+46.53 | 20 | 4973.91 | 4980.17 |
| 8 | 10+86.53 | 20 | 4973.71 | 4979.78 |
| 9 | 11+26.53 | 20 | 4973.51 | 4979.40 |
| 10 | 11+66.53 | 20 | 4973.31 | 4979.01 |
| 30 | 12+69.04 | 20 | 4972.80 | 4978.02 |
| 31 | 13+09.04 | 20 | 4972.60 | 4977.63 |
| 32 | 13+49.04 | 20 | 4972.40 | 4977.25 |
| 33 | 13+38.39 | 24 | 4972.53 | 4977.35 |
| 34 | 12+98.39 | 24 | 4972.73 | 4977.74 |
| 35 | 12+65.89 | 24 | 4972.84 | 4978.05 |

* @ END OF SERVICE LINE

NOTE:
1. SEE MASTER UTILITY PLAN FOR SANITARY SEWER SERVICE CONNECTION DETAILS.
2. ALL FIRE HYDRANTS ARE TO BE BUILT PER C.O.A. STD DWG #2340 W/BLOCKING
3. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.

## WL TABLE

| LOT # | STATION | SERVICE |
|---|---|---|
| 1&2 | 10+43.78 | DOUBLE |
| 3&4 | 11+23.78 | DOUBLE |
| 5 | 11.64.00 | SINGLE |
| 6&7 | 10+36.53 | DOUBLE |
| 8&9 | 11+16.53 | DOUBLE |
| 10 | 11+57.00 | SINGLE |
| 30&31 | 13+00.04 | DOUBLE |
| 32 | 13+41.00 | SINGLE |
| 33 | 13+30.00 | SINGLE |
| 34&45 | 12+89.42 | DOUBLE |

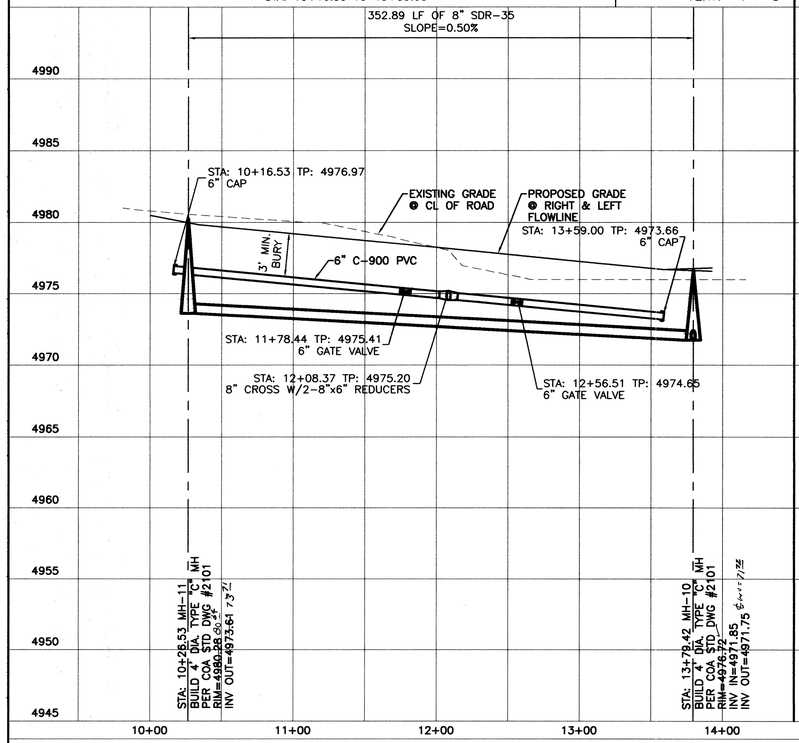



SCANNED BY MESA REPRO

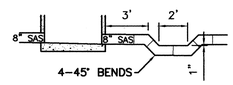
**CAUTION:**
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

CALLE FLORESTA CT.
STA: 10+16.53 TO 13+59.00

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

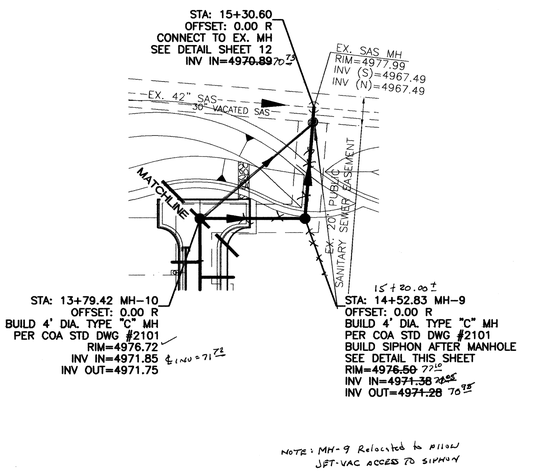



NOTE:
1. SEE MASTER UTILITY PLAN FOR SANITARY SEWER SERVICE CONNECTION DETAILS.
2. ALL FIRE HYDRANTS ARE TO BE BUILT PER C.O.A. STD DWG #2340 W/BLOCKING
3. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.




SIPHON TO BE PLACED BETWEEN LAST MANHOLE AND CONNECTION TO EX. 48" SPIROLITE

**SIPHON DETAIL**
NTS

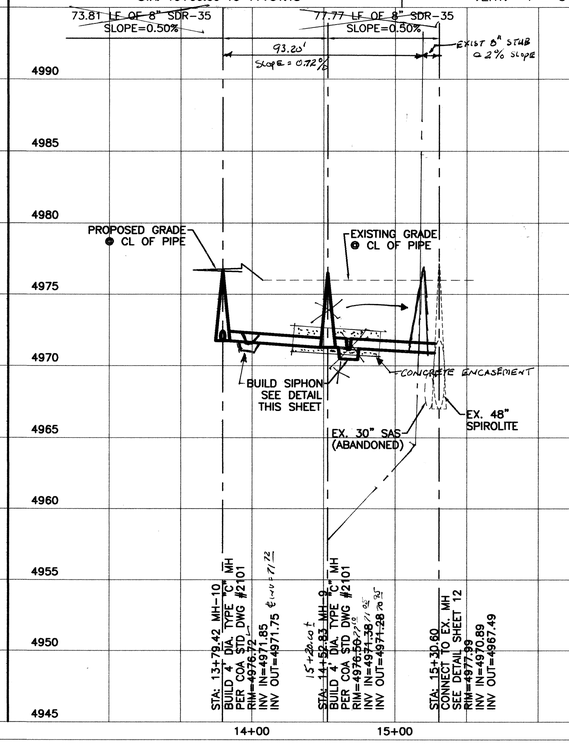



NOTE: MH-9 Relocated to allow Jet-Vac access to siphon

**CAUTION:**
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

CALLE FLORESTA CT. CONNECTION TO EX. SAS
STA: 10+00.00 TO 11+31.18

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




## SAS TABLE

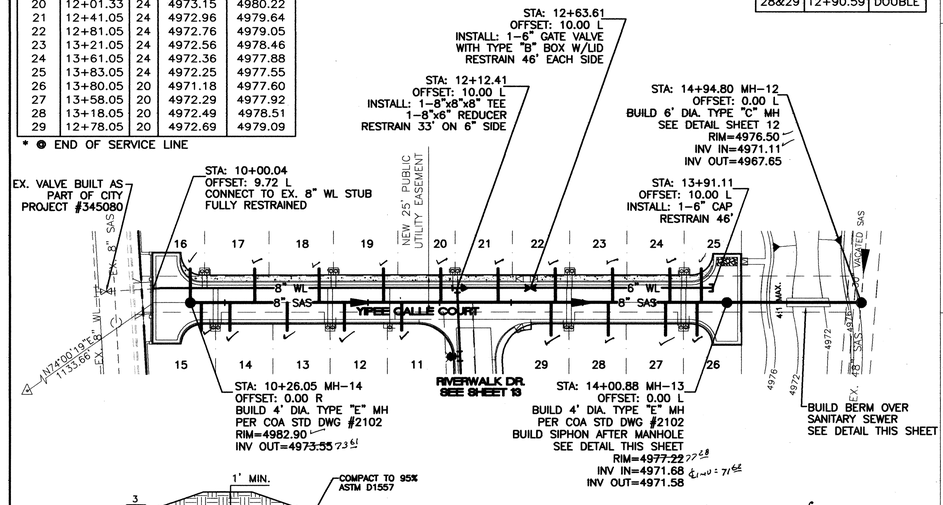
| LOT # | STATION* | LF | INV.* | ELEV. @ PL |
|---|---|---|---|---|
| 11 | 11+73.72 | 20 | 4973.21 | 4980.62 |
| 12 | 11+33.72 | 20 | 4973.41 | 4981.21 |
| 13 | 10+93.72 | 20 | 4973.61 | 4981.80 |
| 14 | 10+53.72 | 20 | 4973.81 | 4982.38 |
| 15 | 10+33.72 | 20 | 4973.91 | 4982.83 |
| 16 | 10+26.05 | 24 | 4974.13 | 4983.33 |
| 17 | 10+71.05 | 24 | 4973.81 | 4982.13 |
| 18 | 11+16.05 | 24 | 4973.58 | 4981.47 |
| 19 | 11+61.05 | 24 | 4973.36 | 4980.81 |
| 20 | 12+01.33 | 24 | 4973.15 | 4980.22 |
| 21 | 12+41.05 | 24 | 4972.96 | 4979.64 |
| 22 | 12+81.05 | 24 | 4972.76 | 4979.05 |
| 23 | 13+21.05 | 24 | 4972.56 | 4978.46 |
| 24 | 13+61.05 | 24 | 4972.36 | 4977.88 |
| 25 | 13+83.05 | 24 | 4972.25 | 4977.55 |
| 26 | 13+80.05 | 20 | 4971.18 | 4977.60 |
| 27 | 13+58.05 | 20 | 4972.29 | 4977.92 |
| 28 | 13+18.05 | 20 | 4972.49 | 4978.51 |
| 29 | 12+78.05 | 20 | 4972.69 | 4979.09 |

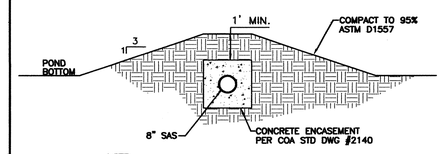
* @ END OF SERVICE LINE

NOTE:
1. SEE MASTER UTILITY PLAN FOR SANITARY SEWER SERVICE CONNECTION DETAILS.
2. ALL FIRE HYDRANTS ARE TO BE BUILT PER C.O.A. STD DWG #2340 W/BLOCKING
3. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.

## WL TABLE

| LOT # | STATION | SERVICE |
|---|---|---|
| 11 | 11+64.00 | SINGLE |
| 12&13 | 11+23.72 | DOUBLE |
| 14&15 | 10+43.72 | DOUBLE |
| 16&17 | 10+36.05 | DOUBLE |
| 18&19 | 11+26.05 | DOUBLE |
| 20&21 | 12+11.05 | DOUBLE |
| 22&23 | 12+91.05 | DOUBLE |
| 24&25 | 13+71.05 | DOUBLE |
| 26&27 | 13+70.59 | DOUBLE |
| 28&29 | 12+90.59 | DOUBLE |



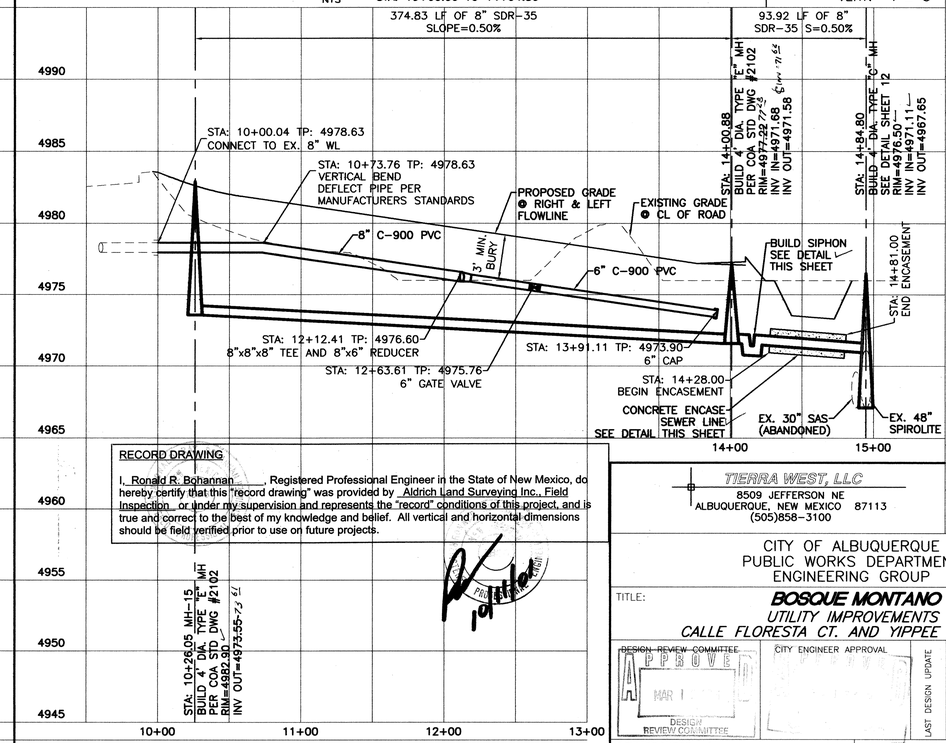




NOTE:
PLACE ADDITIONAL #4 REBARS @ 6" O.C. ACROSS TOP AND 3-#4 REBARS CONTINUOUS ALONG TOP.

**CONCRETE ENCASEMENT DETAIL**
NTS

YIPEE CALLE COURT
STA: 10+00.00 TO 14+94.80

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




RECORD DRAWING

I, Ronald R. Bohannan, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "record drawing" was provided by Aldrich Land Surveying Inc., Field Inspection or under my supervision and represents the "record" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.


TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100


CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **BOSQUE MONTANO**
*UTILITY IMPROVEMENTS*
*CALLE FLORESTA CT. AND YIPPEE CALLE CT.*

| DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR. |
|---|---|---|---|---|
| APPROVED MAR 1 DESIGN REVIEW COMMITTEE | | | | |

| CITY PROJECT NO. | ZONE MAP NO. | SHEET | OF |
|---|---|---|---|
| 654781 | E-12-Z | 15 | 17 |

AS BUILT INFORMATION
CONTRACTOR: FRANCLIN'S EARTHMOVING 2001
WORK STAKED BY: ALDRICH LAND SURVEYING 2001
INSPECTOR'S ACCEPTANCE BY: COA/TIERRA WEST DATE 2001
FIELD VERIFICATION BY: COA/TIERRA WEST DATE 2001
DRAWINGS CORRECTED BY: TIERRA WEST DATE 2001
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
NMSHC MONUMENT "NM 448-N7A"
CENTRAL STATION DATA
NM STATE PLANE COORDINATES
Central Zone
X=369804.62
Y=1510014.99
G-G=0.9996799
Dg=-00°15'03"
ELEV=5006.41

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
RONALD R. BOHANNAN NEW MEXICO 7868 PROFESSIONAL ENGINEER
2/14/01

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

DESIGN
DESIGNED BY JDN DATE 11-00
DRAWN BY JDN DATE 02-13-01
DRAWN NAME: 2041YIPUT.DWG
CHECKED BY SL DATE 11-00

# CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24HOUR PER DAY BASIS UNTIL COMPLETED. 1

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION. 2

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
    1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
    2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
    3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

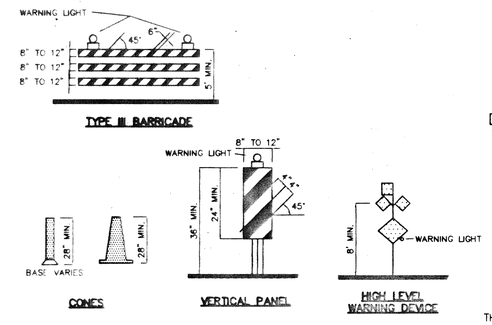
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.

25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGTH AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D. 3

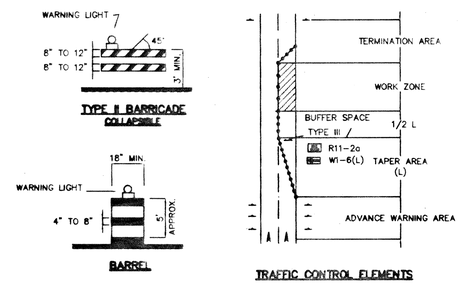
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY. 4




## LEGEND

- WORK AREA
- BARRICADE – TYPE I, TYPE II, OR BARREL
- BARRICADE – TYPE III
- VERTICAL PANEL
- WARNING SIGN
- D – DISTANCE BETWEEN SIGNS – A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- S – SPACING BETWEEN BARRICADES– A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
- L – TAPER LENGTH – SEE CHART BELOW

THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.




## TAPER REQUIREMENTS

| SPEED LIMIT (MPH) | TAPER LENGTH (L) (FEET) | | | MINIMUM NUMBER OF DEVICES FOR TAPER | MAXIMUM DEVICE SPACING IN FEET | |
|---|---|---|---|---|---|---|
| | 10' LANE | 11' LANE | 12' LANE | | ALONG TAPER | AFTER TAPER |
| 20 | 70 | 75 | 80 | 5 | 20 | 20 |
| 25 | 105 | 115 | 125 | 6 | 25 | 25 |
| 30 | 150 | 165 | 180 | 7 | 30 | 30 |
| 35 | 205 | 225 | 245 | 8 | 35 | 35 |
| 40 | 270 | 295 | 320 | 9 | 40 | 40 |
| 45 | 450 | 495 | 540 | 13 | 45 | 45 |
| 50 | 500 | 550 | 600 | 13 | 50 | 50 |
| 55 | 550 | 605 | 660 | 13 | 55 | 55 |

## RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

| SPEED MILES PER HOUR | MINIMUM DISTANCE IN FEET BETWEEN SIGNS | FROM LAST SIGN TO TAPER |
|---|---|---|
| 0-20 | 10 X SPEED LIMIT | 10 X SPEED LIMIT |
| 25-30 | 10 X SPEED LIMIT | 10 X SPEED LIMIT |
| 30-35 | 10 X SPEED LIMIT | 10 X SPEED LIMIT |
| 40-45 | 10 X SPEED LIMIT | 10 X SPEED LIMIT |
| 50-60 | 10 X SPEED LIMIT | 10 X SPEED LIMIT |

### TAPER CRITERIA

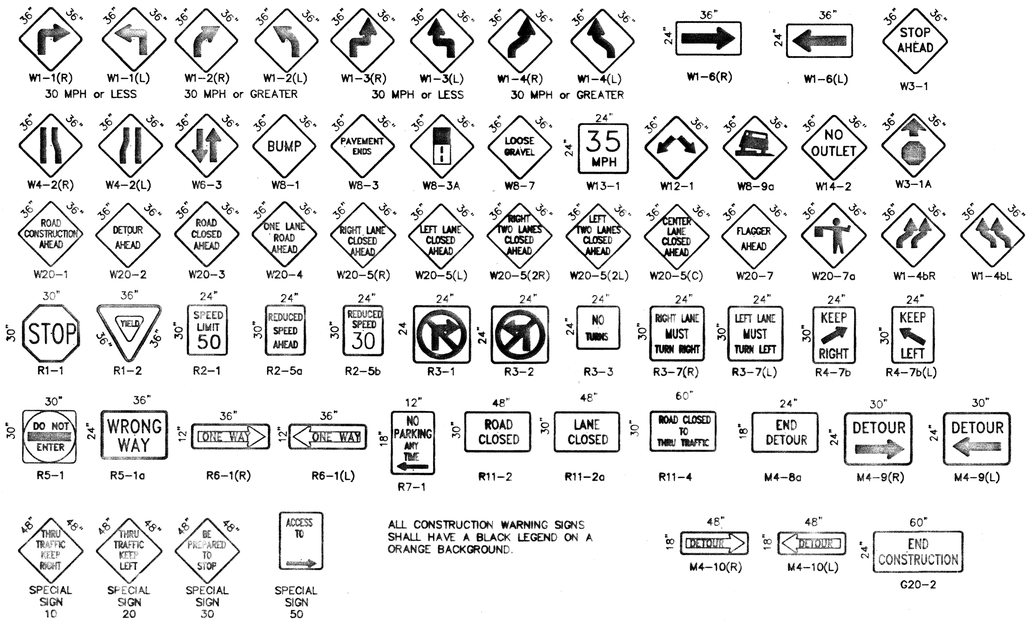
| TYPE OF TAPER | TAPER LENGTH |
|---|---|
| UPSTREAM TAPER: | |
| MERGING TAPER | L MINIMUM |
| SHIFTING TAPER | 1/2 L MINIMUM |
| SHOULDER TAPER | 1/2 L MINIMUM |
| TWO-WAY TRAFFIC TAPER | 100 FEET MAXIMUM |
| DOWNSTREAM TAPERS | 100 FEET PER LANE |

### TAPER LENGTH COMPUTATION

| SPEED LIMIT | |
|---|---|
| 40 MPH OR LESS | $L = \frac{WS^2}{60}$ |
| 45 MPH OR GREATER | $L = W \times S$ |

L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

## SIGN FACE DETAILS




ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

AS BUILT INFORMATION
CONTRACTOR — DATE
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

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| 4 | 9/25/97 | ADD NOTE NO. 27 | J.D.L. |
| 3 | 9/24/97 | REVISED NOTE NO. 26 | J.D.L. |
| 2 | 9/24/97 | REVISED NOTE NO. 19 | J.D.L. |
| 1 | 9/24/97 | REVISED NOTE NO. 11 | J.D.L. |

REVISIONS
DESIGN

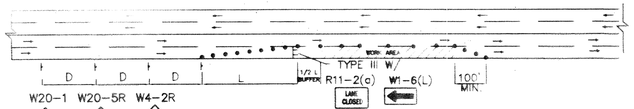
DESIGNED BY — DATE
DRAWN BY C.O.A. STANDARDS — DATE
CHECKED BY — DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

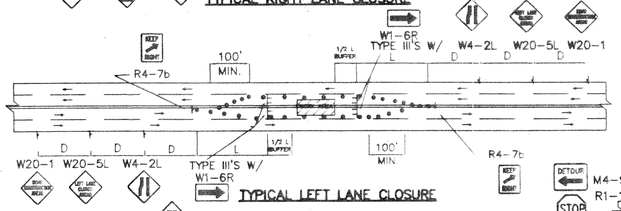
TITLE:
**SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS**

| DESIGN REVIEW COMMITEE | CITY ENGINEER APPROVAL | LAST UPDATE | MO./DAY/YR. | MO./DAY/YR. |
|---|---|---|---|---|
| CDA | JTD | | | |

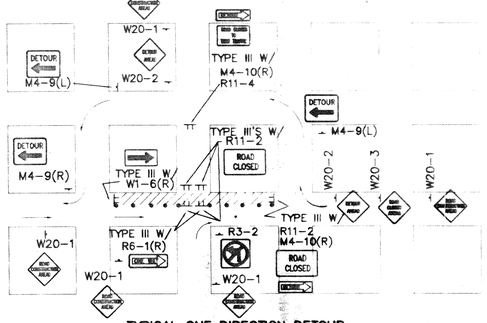
PROJECT NO. 6547.81 | MAP NO. | SHEET 16 OF 17



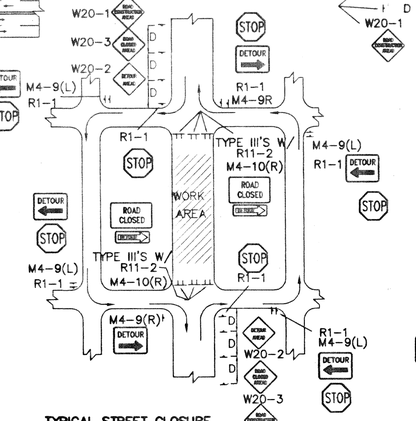

TYPICAL RIGHT LANE CLOSURE




TYPICAL LEFT LANE CLOSURE

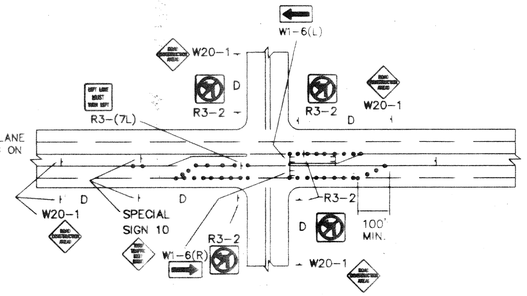



TYPICAL ONE DIRECTION DETOUR




TYPICAL STREET CLOSURE

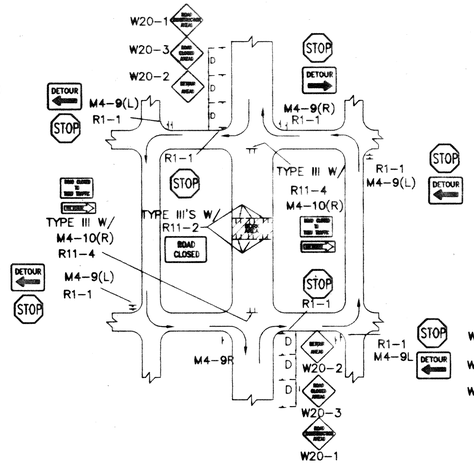
NOTE: (R1-1) BASED ON FIELD CONDITIONS.




NOTE:
MAY REQUIRE LEFT LANE CLOSURE DEPENDING ON FIELD CONDITIONS.

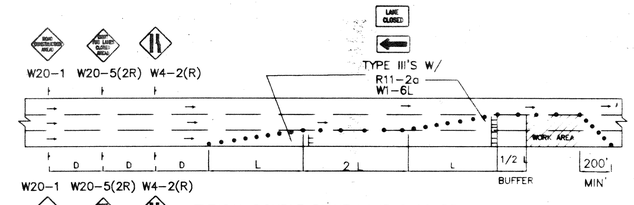
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION

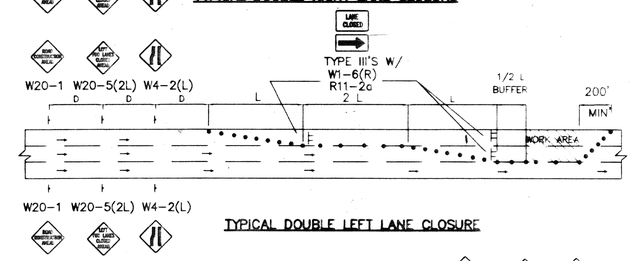



TYPICAL MID-BLOCK CLOSURE

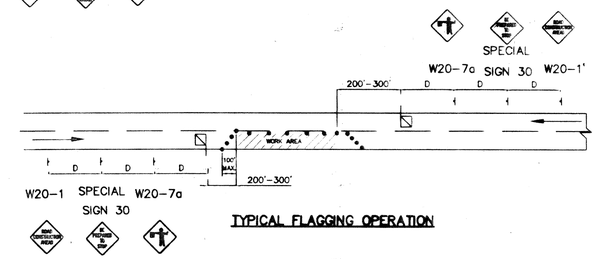
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



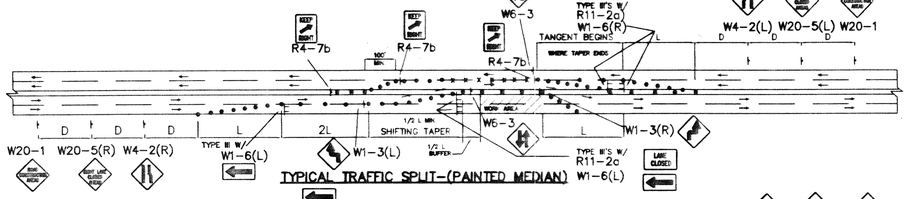

TYPICAL DOUBLE RIGHT LANE CLOSURE



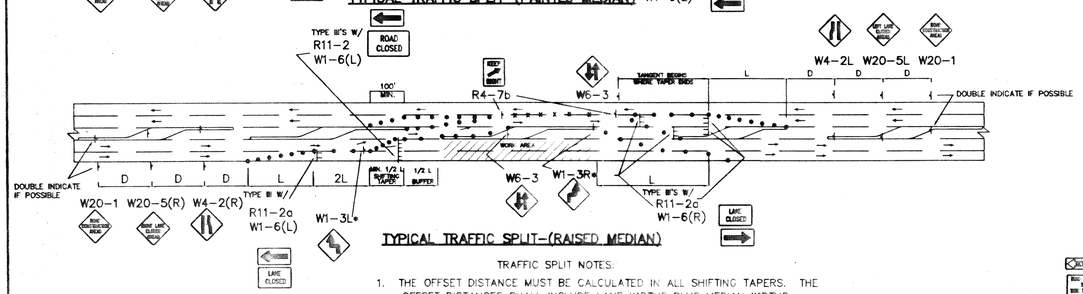

TYPICAL DOUBLE LEFT LANE CLOSURE




TYPICAL FLAGGING OPERATION




TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)




TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)

TRAFFIC SPLIT NOTES:

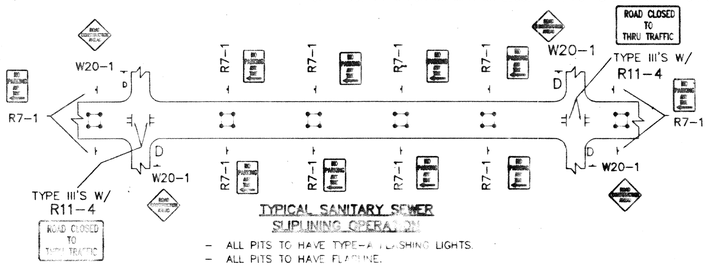
1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
2. 1/2 L IS MINIMUM DISTANCE FOR SHIFTING TAPERS.
3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
5. REDUCED SPEED MAY BE CONSIDERED.
6. * USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.

APPROVAL OF RECORD DRAWING
CHIEF CONSTRUCTION ENGINEER
DATE

GENERAL NOTE:

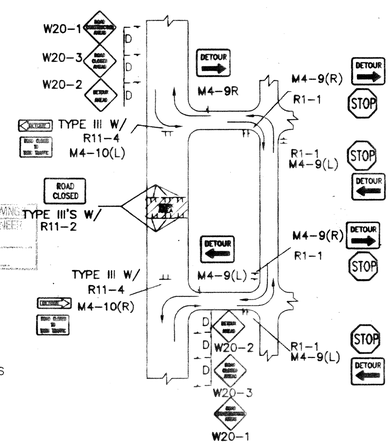
ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36" THIRTY SIX INCHES BY 36" THIRTY SIX INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT. △1



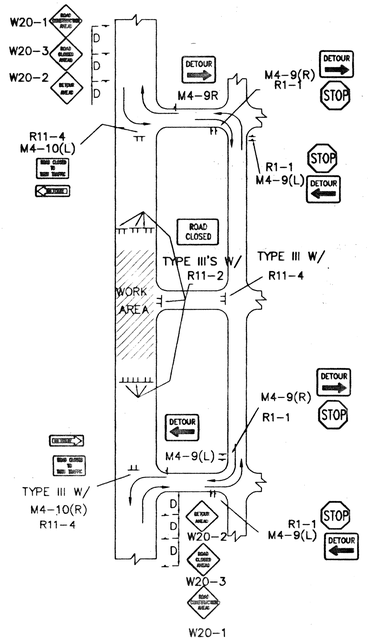

TYPICAL SANITARY SEWER
SUPLINING OPERATION

- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS.
- ALL PITS TO HAVE FLAGLINE.



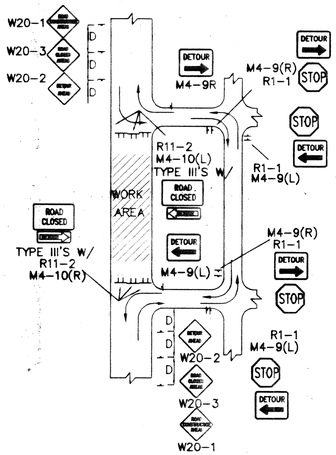

TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.




TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.




TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.

SCANNED BY
MESA REPRO

AS BUILT INFORMATION
CONTRACTOR DATE
WORK INSPECTOR'S DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
MFD.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| △1 | 9/24/97 | REVISED GENERAL NOTE | J.D.L. |

REVISIONS

DESIGN
DESIGNED BY C.O.A. STANDARDS DATE
DRAWN BY DATE
CHECKED BY DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
**TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)**

| DESIGN REVIEW COMMITEE | CITY ENGINEER APPROVAL | LAST UPDATE | MO./DAY/YR. | MO./DAY/YR. |
|---|---|---|---|---|
| CoA | STD | | | |

PROJECT NO. 6547.81 | MAP NO. | SHEET 17 OF 17