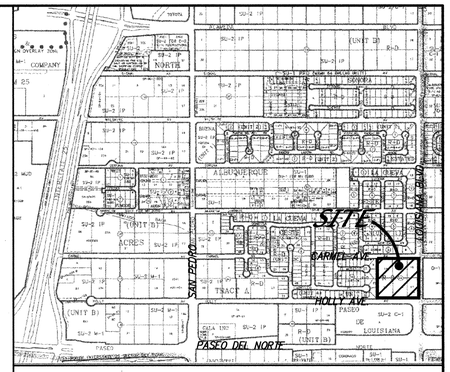
CONSTRUCTION PLANS

FOR

THE CARMEL SUBDIVISION

ALBUQUERQUE, NEW MEXICO

SCANNED BY
MESA REPRO



VICINITY MAP — ZONE ATLAS: C-18

SCALE: NONE

GENERAL NOTES

NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #6.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
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 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 COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION COORDINATION ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
6. ALL WORK AFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
7. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS WAS EXISTING, OR AS INDICATED BY THIS PLAN SET.
8. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR 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 TO COVER THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.

   CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAVE BEEN RECORDED.
10. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
11. CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE WATER SYSTEMS DIVISION (857-8200) SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION SEVEN (7) WORKING DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.
12. FOR STORM DRAIN CONSTRUCTION, RCP JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.
13. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

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 ENGINEER.
- [x] SIDEWALK 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.

CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P. O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

INDEX TO DRAWINGS

SHEET NO.	SHEET
1	TITLE SHEET
2-3	PLAT
4	GRADING & DRAINAGE PLAN
5	MASTER PAVING PLAN
6-8	PAVING IMPROVEMENTS
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SURVEYOR'S CERTIFICATION

"I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that the 'as-built' information shown on these drawings was obtained from field construction and 'as-built' surveys performed by me or under my supervision, that the 'as-built' information shown on these drawings was added by me or under my supervision, and that this 'as-built' information is true and correct to the best of my knowledge and belief." Aldrich Land Surveying is not responsible for any of the design concepts, calculations, engineering, or intent of the record drawings.

Timothy Aldrich P.S. No. 7719 — Date: 03-02-04

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik, NMPE 11929, of the firm Mark Goodwin & Associates, PA, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This certification is based on site inspections by me or personnel under my direction, and survey information performed by a NMPS number 7719.

6-17-03

Gregory J. Krenik NMPE 11929

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
DATE: 12/10/03

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2	6	7	2	1	4	.	8	1	0	1	0	4			

DRB #1000072

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

ENGINEERS STAMP & SIGNATURE

APPROVALS	ENGINEER	DATE
DRC CHAIRMAN		10-14-03
TRANSPORTATION		10/2/03
WATER/WASTEWATER		9/9/03
HYDROLOGY		10/3/03
CIP		
CONSTR. MNGMT.		
CONSTR. COORD.		10-14-03

APPROVED FOR CONSTRUCTION

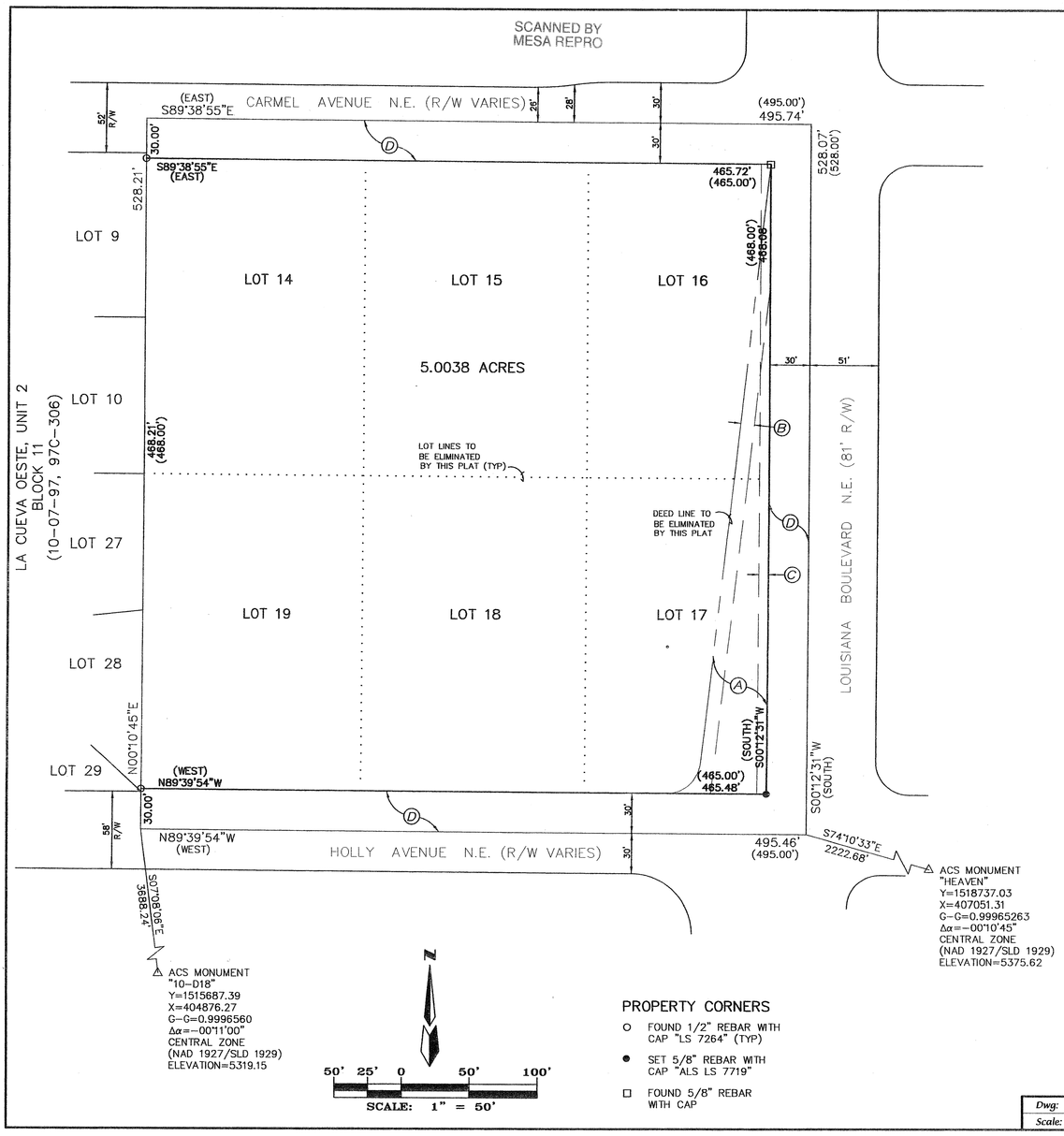
CITY ENGINEER — DATE 10/16/03

CITY PROJECT NO. 721481

SHEET 1 OF 13

A3037CARMEL/A3037COVER/09-18-03/ACH

SCANNED BY
MESA REPRO



PROPERTY CORNERS

- ○ FOUND 1/2" REBAR WITH CAP "LS 7264" (TYP)
- ● SET 5/8" REBAR WITH CAP "ALS LS 7719"
- □ FOUND 5/8" REBAR WITH CAP

PRELIMINARY PLAT FOR

CARMEL SUBDIVISION

WITHIN THE
ELENA GALLEGOS GRANT
PROJECTED SECTION 13
TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
MAY, 2003

NOTES

1. Bearings are New Mexico State Plane Grid Bearings (Central Zone).
2. Distances are ground distances.
3. Bearings and Distances in parenthesis are record.
4. Basis of boundary are the following plats of record entitled:

   "NORTH ALBUQUERQUE ACRES, TRACT A, UNIT B" (04-24-36, D-130)
   "LA CUEVA OESTE, UNIT 1", (02-28-96, 96C-94)
   "LA CUEVA OESTE, UNIT 1A", (05-17-96, 96C-205)
   "LA CUEVA OESTE, UNIT 2", (10-07-97, 97C-306)
   records of Bernalillo County, New Mexico.
5. Date of Survey: May, 2003.
6. Title Report: None provided.
7. Address of Property: None provided.
8. City of Albuquerque, New Mexico Zone: SU-2 IP & R-D
9. Utility Council Location System Log No.: 2003192356
10. Tract "AA" and "BB" are hereby granted as Public Drainage Easements to the City of Albuquerque to be maintained by the owner per separate agreement and covenant.
11. Tracts A, B, C, D & E shall be a landscape easement and to be maintained by the Home Owners Association.

(A) WARRANTY DEED Filed 7-24-96, in Book 96-20, Pages 2801-2802

(B) 10' Public Service Company of New Mexico Use Area 10-1 per Relocation Agreement Filed 5-6-98, in Book 98-9, Page 4941.

(C) 7' Public Service Company of New Mexico and Mountain States Telephone & Telegraph Company Easement per Document Filed 9-23-60, in Book D563, Page 626 Waiver and Release by Public Service Company of New Mexico per Document Filed 5-13-98, in Book 98-9, Page 7763.

(D) Exist. 30' easement for roadway purposes. (04-24-36, d-130)

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

Dwg: CARPPSHT2.dwg	Drawn: CHRIS	Checked: ALS	Sheet 2 of 3
Scale: 1'=50'	Date: 07/30/03	Job: A03037	

PRELIMINARY PLAT

FOR

THE CARMEL SUBDIVISION

WITHIN THE
ELENA GALLEGOS GRANT
PROJECTED SECTION 13
TOWNSHIP 11, NORTH, RANGE 3 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
MAY, 2003

SUBDIVISION DATA

GROSS ACREAGE	6.0088 AC.
ZONE ATLAS NO.	C-18-Z
NO. OF EXISTING TRACTS	6
NO. OF TRACTS/LOTS CREATED	5 TRACTS / 31 LOTS
NO. OF LOTS ELIMINATED	6
AREA DEDICATED TO CITY OF ALBUQUERQUE	2.1113 AC
DATE OF SURVEY	MAY, 2003
ZONING	R-D

OWNERS

D.R. HORTON, INC.
4400 ALAMEDA NE, SUITE B
ALBUQUERQUE, N.M. 87113
(505) 797-4245

ENGINEERS

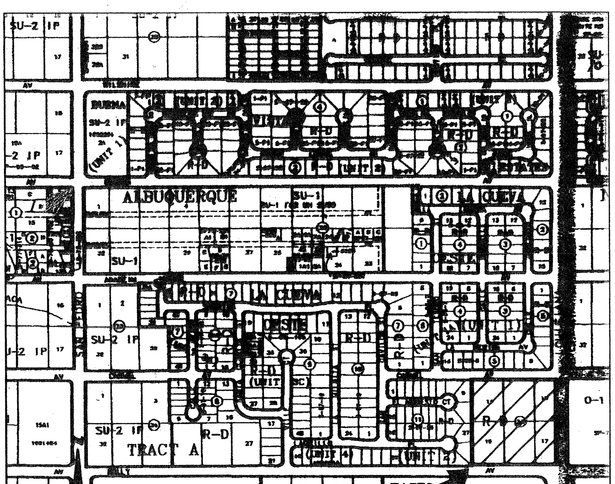
D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200

SURVEYOR

ALDRICH LAND SURVEY
P.O. BOX 30701
ALBUQUERQUE, N.M. 87190-0701
(505) 884-1990

OWNER: D.R. HORTON, INC., A DELAWARE CORPORATION
BY:

J. MARK FERGUSON, DIVISION PRESIDENT — DATE: July 1, 2003



LOCATION MAP
NOT TO SCALE

PURPOSE OF PLAT

1. SUBDIVIDE 6 LOTS INTO 31 LOTS AND 5 TRACTS.
2. DEDICATE RIGHT-OF-WAY AS SHOWN.
3. GRANT NEW EASEMENTS AS SHOWN.
4. VACATE RIGHT-OF-WAY AS SHOWN.

LEGAL DESCRIPTION

A TRACT OF LAND SITUATE WITHIN THE ELENA GALLEGOS GRANT, PROJECTED SECTION 13, TOWNSHIP 11 NORTH, RANGE 3 EAST, NEW MEXICO PRINCIPAL MERIDIAN, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO BEING ALL OF LOTS 14 THRU 19, BLOCK 34, TRACT A, UNIT B, NORTH ALBUQUERQUE ACRES AS THE SAME IS SHOWN AND DESIGNATED ON SAID PLAT FILED FOR RECORD IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON APRIL 24, 1936 IN VOLUME D, FOLIO 130 AND CONTAINING 6.0088 ACRES MORE OR LESS.

NOTES

1. UNLESS OTHERWISE NOTED ALL POINTS ARE "SET 5/8" REBAR WITH CAP "ALS LS 7719".

2. ALL STREET CENTERLINE MONUMENTATION SHALL BE INSTALLED AT ALL CENTERLINE PC'S, PT'S, ANGLE POINTS, AND STREET INTERSECTIONS AND SHOWN THUS ▲, WILL BE MARKED BY A FOUR INCH (4") ALUMINUM CAP STAMPED:
"CITY OF ALBUQUERQUE CENTERLINE MONUMENTATION"
"DO NOT DISTURB"
"PLS # 7719".

3. BOUNDARY SHALL BE TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM AS SHOWN.

4. BASIS OF BEARING SHALL BE NEW MEXICO STATE PLANE GRID BEARINGS.

5. ALL DISTANCES SHALL BE GROUND DISTANCES.

6. MANHOLES WILL BE OFFSET AT ALL POINTS OF CURVATURE, POINTS OF TANGENCY, STREET INTERSECTIONS, AND ALL OTHER ANGLE POINTS TO ALLOW USE OF CENTERLINE MONUMENTATION.

7. ALL OPEN SPACE REQUIREMENTS ARE MET ON THE LOT WITH THE DWELLING PER PROVISIONS OF SECTION 14-16-3-8 (A) (1).

APPROVED FOR MONUMENTATION AND STREET NAMES

CITY SURVEYOR, CITY OF ALBUQUERQUE, N.M. — DATE: 7-2-03

Dwg: CARPPSHT1.dwg	Drawn: CHRIS	Checked: ALS	Sheet 1 of 3
Scale: 1:1	Date: 06/25/03	Job: A03037	

7/14/18

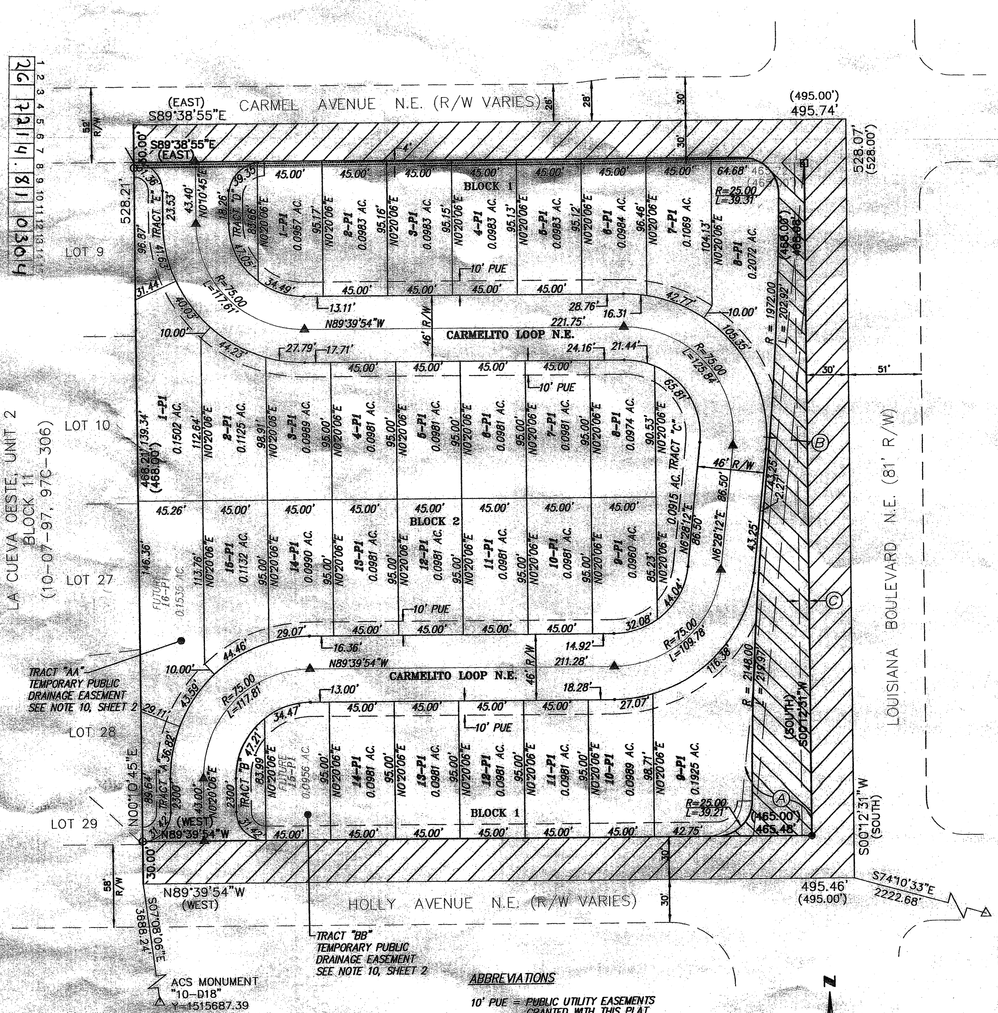
SHEET 2 of 13

SCANNED BY
MESA REPRO

PRELIMINARY PLAT FOR

THE CARMEL SUBDIVISION

WITHIN THE
ELENA GALLEGOS GRANT
PROJECTED SECTION 13
TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
MAY, 2003



RIGHT-OF-WAY VACATED BY V-_____ (0.0411 AC.)

30' EASEMENT FOR ROADWAY PURPOSES DEDICATED TO THE CITY OF ALBUQUERQUE BY THIS PLAT. (0.9639 Ac.)

RIGHT-OF-WAY DEDICATED TO TO THE CITY OF ALBUQUERQUE BY THIS PLAT. (0.3285 Ac.)

(A) WARRANTY DEED
Filed 7-24-96, in Book 96-20, Pages 2801-2802

(B) 10' Public Service Company of New Mexico Use Area 10-1 per Relocation Agreement Filed 5-6-98, in Book 98-9, Page 4941.

(C) 7' Public Service Company of New Mexico and Mountain States Telephone & Telegraph Company Easement per Document Filed 9-23-60, in Book D563, Page 626 Waiver and Release by Public Service Company of New Mexico per Document Filed 5-13-98, in Book 98-9, Page 7763.

NOTE: ▲
CENTERLINE (IN LIEU OF R/W) MONUMENTATION IS TO BE INSTALLED AT ALL CENTERLINE PC'S, PT'S, ANGLE POINTS AND STREET INTERSECTIONS AS SHOWN HEREON, AND WILL CONSIST OF A FOUR INCH (4") ALUMINUM ALLOY CAP STAMPED "CITY OF ALBUQUERQUE", "CENTERLINE MONUMENT", "DO NOT DISTURB", "PLS # 7719".

ABBREVIATIONS

10' PUE = PUBLIC UTILITY EASEMENTS GRANTED WITH THIS PLAT

ROW = RIGHT-OF-WAY

ALL STREETS SHOWN HEREON ARE HEREBY DEDICATED AS PUBLIC RIGHT-OF-WAY

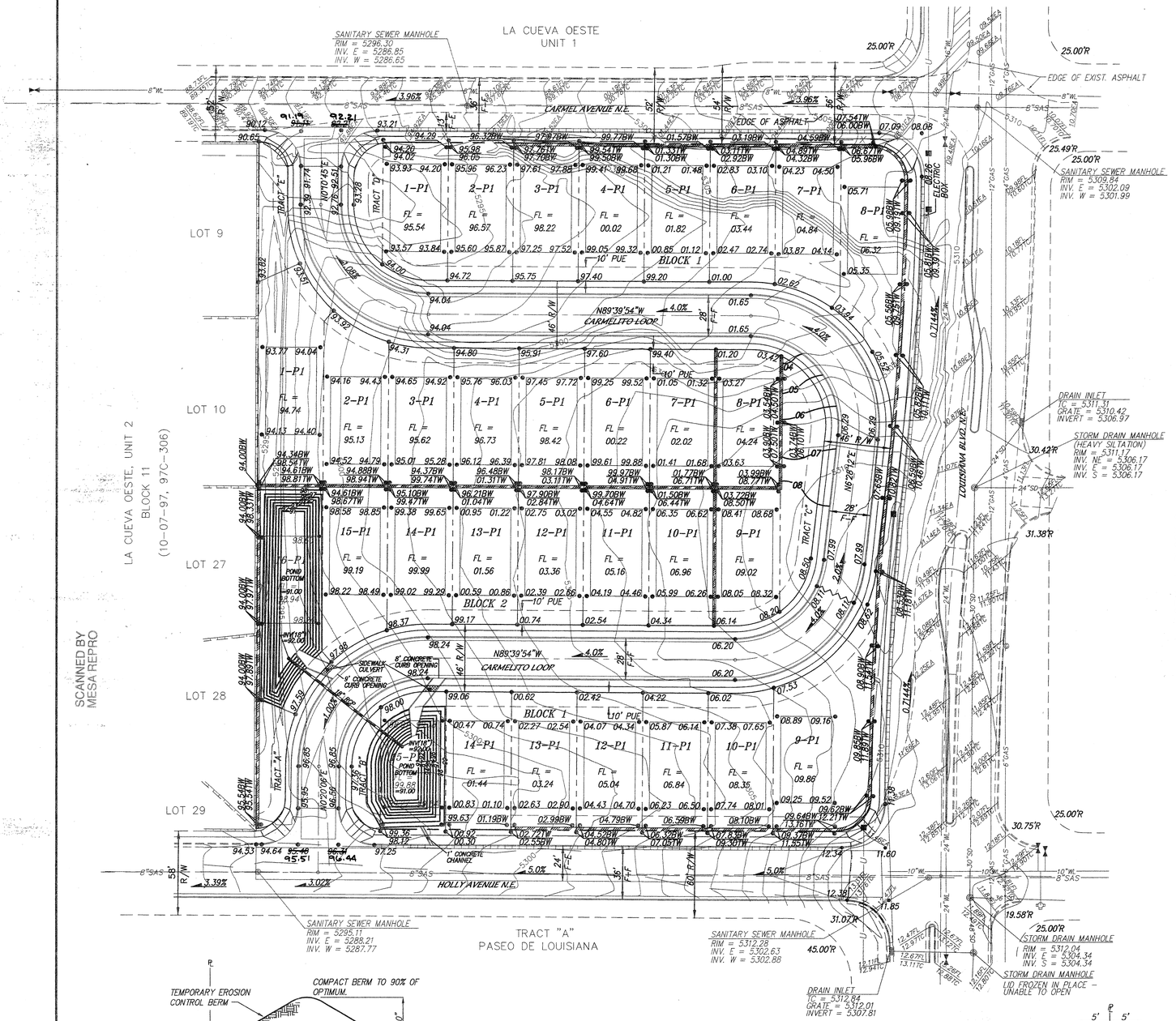
N

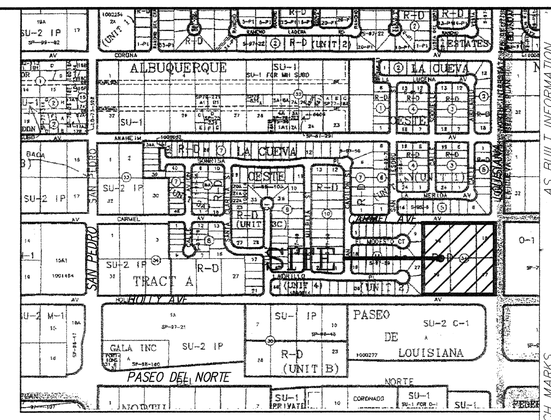
50' 25' 0 50' 100'
SCALE: 1" = 50'

Dwg: BASE-ACH.dwg	Drawn: CHRIS	Checked: ALS	Sheet 3 of 3
Scale: 1"=50'	Date: 08/14/03	Job: A03037	

SHEET 3 OF 13

7219/81





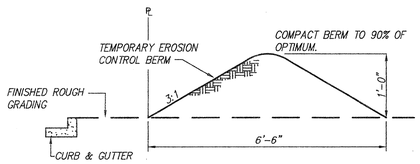
VICINITY MAP ZONE: C-18-Z

NOTES

1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
2. CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION SHALL GOVERN ALL WORK.
3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
5. THE EARTHWORK CONTRACTOR SHALL STOCKPILE ENOUGH MATERIAL ADJACENT TO RETAINING WALL LOCATIONS TO BE UTILIZED FOR WALL BACKFILL.
6. A PERIMETER CMU WALL WILL BE CONSTRUCTED AROUND THE PROJECT SITE. INTERIOR PROPERTY BOUNDARIES WILL BE SEPARATED BY WALLS (SIDEYARDS AND BACK YARDS).

LEGEND

5615	EXISTING CONTOUR (MAJOR)
5616	EXISTING CONTOUR (MINOR)
TC= FL= × 00.0	EXISTING SPOT ELEVATION
	EXISTING CONCRETE CURB
	EXISTING WALL OR HEAD WALL
	EXISTING SANITARY SEWER MANHOLE
	EXISTING STORM DRAIN MANHOLE
	EXISTING FIRE HYDRANT
	EXISTING ELECTRIC TRANSFORMER
x	EXISTING FENCE
	EXISTING POWER POLE
6"GAS	EXISTING GAS LINE
30"SD	EXISTING STORM DRAIN
8"SAS	EXISTING SAS LINE
10"WL	EXISTING WATER LINE
	NEW CURB & GUTTER
	NEW STANDARD CURB & GUTTER
	NEW SIDEWALK
	NEW RIGHT-OF-WAY
	NEW CENTERLINE
	NEW LOT LINES
	NEW EASEMENTS
	NEW RETAINING WALL
20.00	NEW SPOT ELEVATIONS
	NEW FLOW
	NEW SLOPE
	NEW HIGH POINT
	NEW BASIN BOUNDARY

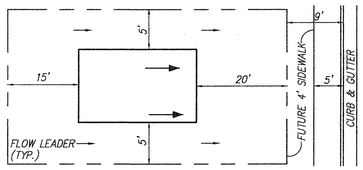


EROSION CONTROL BERM DETAIL

N.T.S.

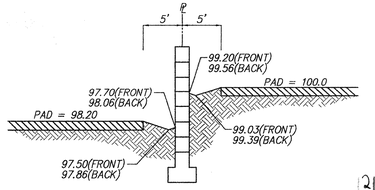
EROSION CONTROL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING UP ANY SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. EROSION CONTROL BERMS ARE REQUIRED AROUND THE ENTIRE SITE.
5. ALL EROSION CONTROL BERMS MUST BE IN PLACE AND ENGINEER CERTIFIED PRIOR TO BUILDING PERMIT RELEASE.



TYPICAL LOT LAYOUT PLAN

N.T.S.



TYPICAL SIDEYARD SECTION @ BACK OF PAD

N.T.S.

216 17214.811 0404

40' 20' 0 40' 80'

SCALE: 1" = 40'

A3037CARMEL/A3037GD-50/08-11-03/ACH

AS BUILT INFORMATION

CONTRACTOR Sundance
WORK STAKED BY AIS DATE 2/04
INSPECTOR'S ACCEPTANCE BY DMG DATE 2/04
FIELD VERIFICATION BY AIS DATE 2/04
DRAWINGS CORRECTED BY AIS DATE 2/04
MICRO-FILM INFORMATION
RECORDED BY DATE
Inspector Ron Rutledge

BENCH MARKS

ACS MONUMENT "10-D18"
Y=1515687.39
X=404876.27
G-G=0.9996560
Δα=-00°11'00"
CENTRAL ZONE
(NAD 1927/SLD 1929)
ELEVATION=5319.15

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY	DATE

DESIGN

DESIGNED BY	GK	05/03
DRAWN BY	ACH	05/03
CHECKED BY	DMG	05/03

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE:

THE CARMEL SUBDIVISION GRADING & DRAINAGE PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
X	X			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
721481	C-18	4	13

SCANNED BY MESA REPRO
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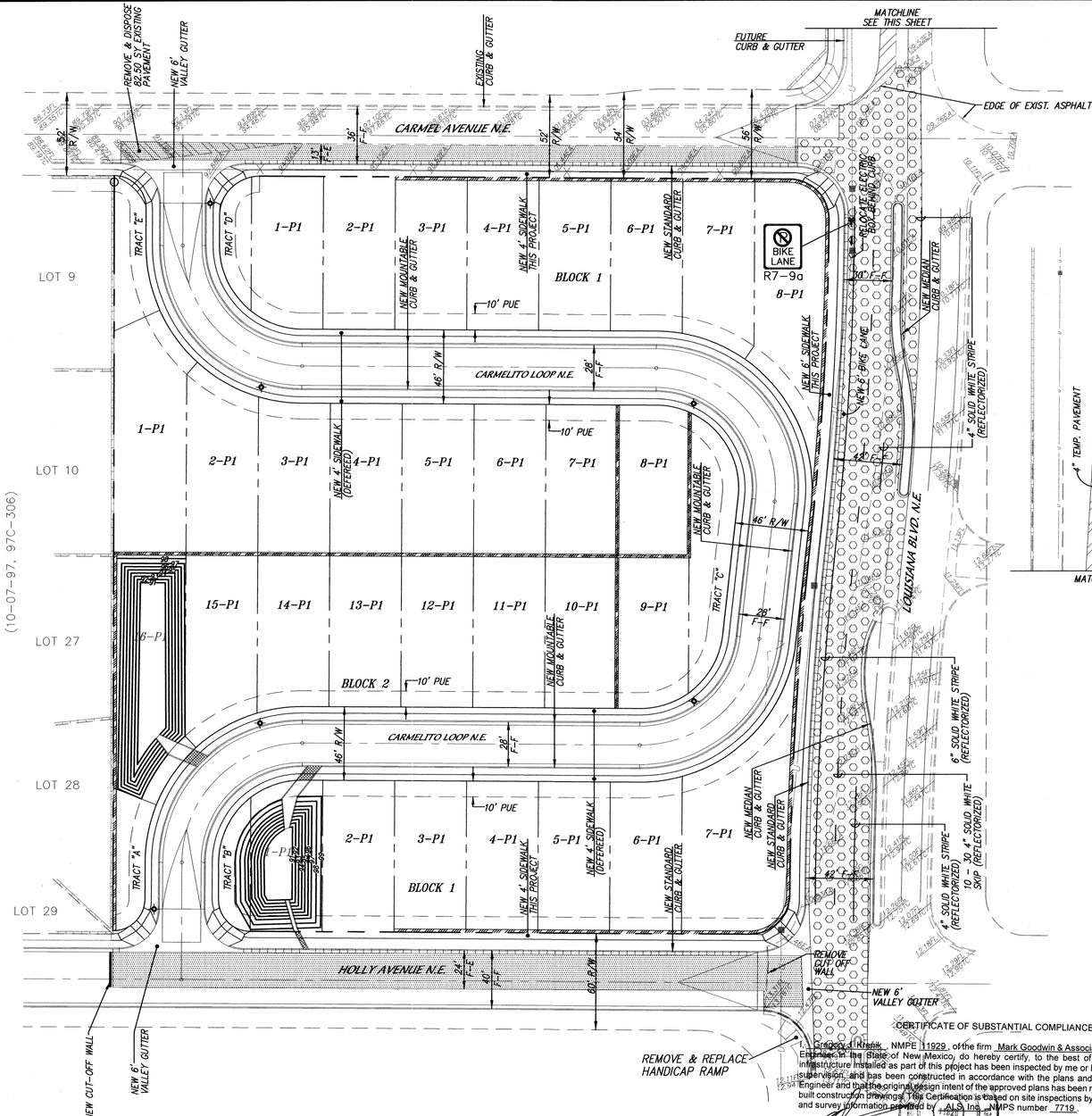
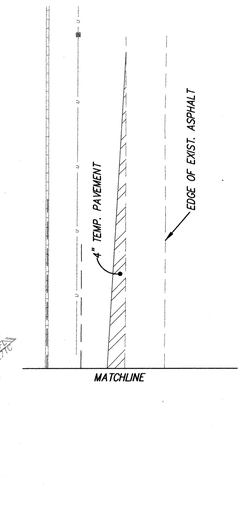
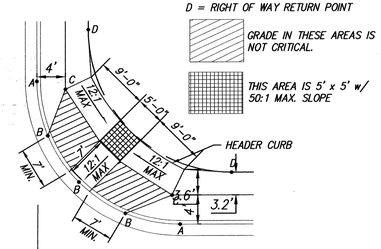


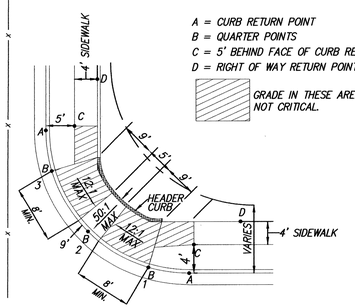




GENERAL WHEEL CHAIR RAMP DETAIL

NTS

(NOTE: PER COA STD. DETAIL 2441)



ARTERIAL WHEEL CHAIR RAMP DETAIL

NTS

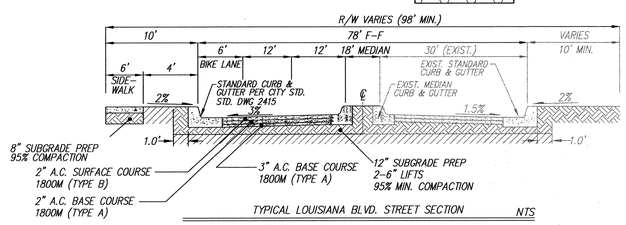
(NOTE: PER COA STD. DETAIL 2441)

CONSTRUCTION NOTES

1. ALL SIDEWALKS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2430.
2. ALL 6' VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2420.
3. ALL HANDICAP RAMPS ARE PER DETAILS ON THIS SHEET, OR COA DETAIL 2426.
4. TRANSITION FROM MOUNTABLE CURB TO STANDARD CURB SHALL BE 10 FEET.
5. TRANSITION SECTION FROM FULL CROWN TO NO CROWN TO BE A MINIMUM OF 50 FEET PER C.O.A. STD DETAIL #2401.
6. TRANSITION FROM MOUNTABLE CURB TO STANDARD CURB AT INTERSECTIONS SHALL OCCUR THROUGH THE HC. RAMP PER C.O.A. STANDARD DRAWING 2418.
7. SOIL NOT HAVING THE MINIMUM R-VALUE OF 50 FOR STREETS SHALL BE REMOVED TO A DEPTH OF 2 FEET AND REPLACED, BY THE CONTRACTOR, WITH SUITABLE MATERIAL, OR A PAVEMENT SECTION SHALL BE DESIGNED BY THE CONSULTANT ACCOMMODATING THE EXISTING R-VALUE PER C.O.A. STANDARD SPECIFICATIONS.

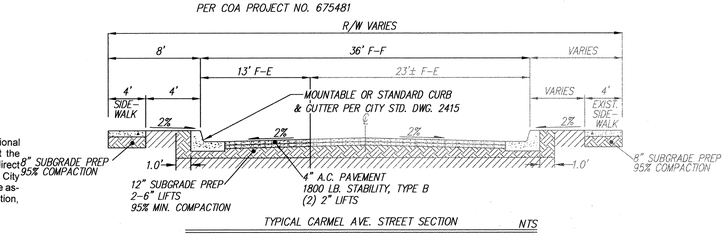
LEGEND

- EXISTING SPOT ELEVATION
- EXISTING CONCRETE CURB
- EXISTING WALL OR HEAD WALL
- EXISTING FIRE HYDRANT
- EXISTING ELECTRIC TRANSFORMER
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING POWER POLE
- EXISTING FENCE
- NEW CURB & GUTTER
- NEW STANDARD CURB & GUTTER
- NEW SIDEWALK
- NEW RIGHT-OF-WAY
- NEW CENTERLINE
- NEW LOT LINES
- NEW EASEMENTS
- NEW RETAINING WALL
- NEW HIGH POINT
- NEW STREET LIGHTS
- NEW 4" A.C. PAVEMENT 1800 LB. TYPE B (2) 2" LIFTS
- NEW 4" TEMP. PAVEMENT PER COA STD. 2415
- NEW ARTERIAL PAVEMENT



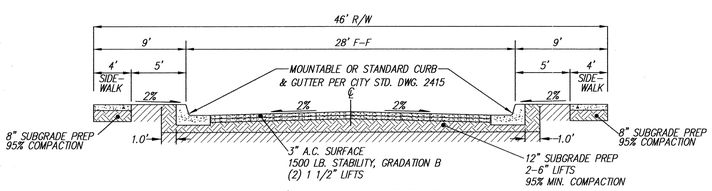
TYPICAL LOUISIANA BLVD. STREET SECTION NTS

PER COA PROJECT NO. 675481

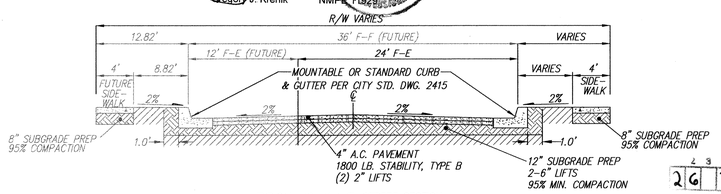


TYPICAL CARMEL AVE. STREET SECTION NTS

PER COA PROJECT NO. 523291



TYPICAL 28' F-F RESIDENTIAL STREET SECTION NTS



TYPICAL HOLLY AVE. STREET SECTION NTS

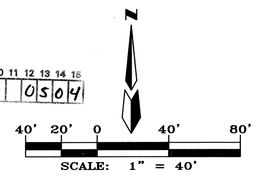
PER COA PROJECT NO. 523291

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik, NMPE 11929, of the firm Mark Goodwin & Associates, PA, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by ALS Inc., NMPS number 7719.

6-17-04

Gregory J. Krenik NMPE 11929



A3037CARMEL/A3037MPAV/09-18-03/ACH GJK

AS BUILT INFORMATION		
CONTRACTOR	Sundance	
WORK STAKED BY	ALS	DATE
INSPECTOR'S INITIALS	Con Kutterer	
ASBUILTS CHECKED BY	DMG	DATE 7-2-04
FIELD VERIFICATION BY	ALS	DATE 7-2-04
DRAWINGS CORRECTED BY	ALS	DATE 7-2-04
MICRO-FILM INFORMATION		
RECORDED BY		DATE
CENTRAL ZONE (NAD 1927/SLD 1929) ELEVATION=5319.15		

BENCH MARKS	
ACS MONUMENT	"10-D18"
	Y=1515687.39
	X=404876.27
	G-G=0.9996560
	$\Delta\alpha$=-00°11'00"

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
REVISIONS			

DESIGN		
DESIGNED BY	GJK	DATE 05/03
DRAWN BY	ACH	DATE 05/03
CHECKED BY	DMG	DATE 05/03

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

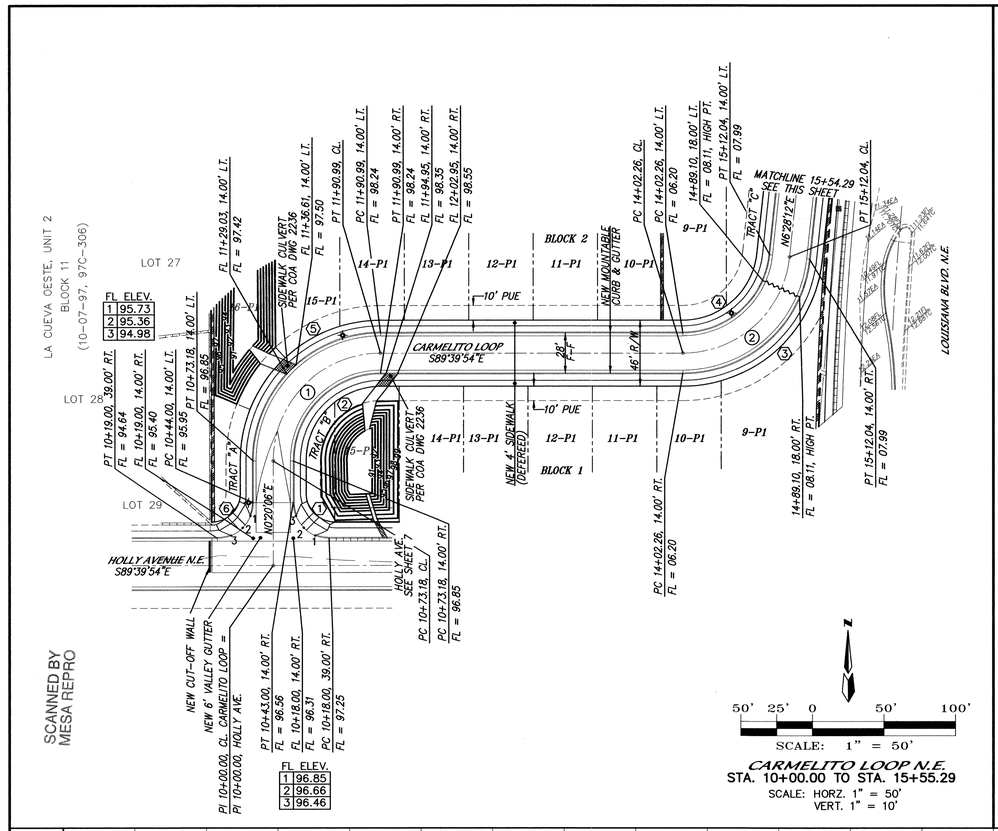
TITLE:

THE CARMEL SUBDIVISION MASTER PAVING PLAN

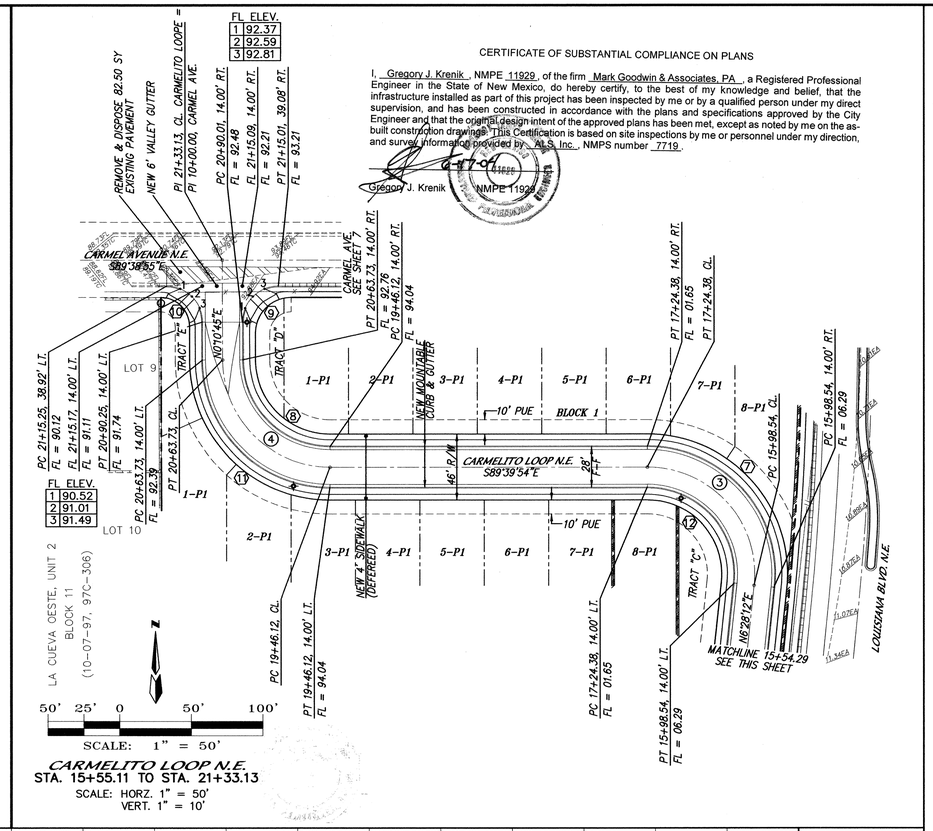
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
OCT 1 8 2003	OCT 1 6 2003			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
721481	C-18	5	13

SCANNED BY MEGA REPRO
F:\WG3JOBS\A3037 carmel\A3037MPAV.dwg Wed Oct 08 16:06:40 2003 D. MARK GOODWIN & ASSOCIATES, PLTTED BY: ACH



CARMELITO LOOP N.E.
STA. 10+00.00 TO STA. 15+55.29
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



CARMELITO LOOP N.E.
STA. 15+55.11 TO STA. 21+33.13
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik NMPE 11929, of the firm Mark Goodwin & Associates, PA, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by: AL S. Inc., NMPS number 7719.

Gregory J. Krenik NMPE 11929

NOTES

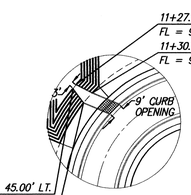
1. ALL STATIONING IS CENTERLINE STATIONING.

CARMELITO LOOP N.E.
CURVE DATA – DESCRIBES FACE OF CURB

① Δ = 90°00'00" R = 25.00' L = 39.27' T = 25.00'	② Δ = 90°00'00" R = 61.00' L = 95.82' T = 61.00'
③ Δ = 83°51'54" R = 89.00' L = 130.27' T = 79.46'	④ Δ = 83°51'54" R = 61.00' L = 89.29' T = 54.46'
⑤ Δ = 90°00'00" R = 89.00' L = 139.80' T = 89.00'	⑥ Δ = 90°00'00" R = 25.00' L = 39.27' T = 25.00'
⑦ Δ = 96°08'06" R = 89.00' L = 149.33' T = 98.98'	⑧ Δ = 89°50'38" R = 61.00' L = 95.65' T = 60.47'
⑨ Δ = 90°10'20" R = 25.00' L = 39.35' T = 25.04'	⑩ Δ = 89°49'40" R = 25.00' L = 39.19' T = 24.78'
⑪ Δ = 89°50'39" R = 89.00' L = 139.56' T = 88.23'	⑫ Δ = 96°08'06" R = 61.00' L = 102.35' T = 67.84'

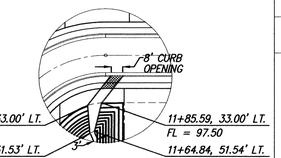
CURVE DATA – DESCRIBES CENTERLINE

① Δ = 90°00'00" R = 75.00' L = 117.81' T = 75.00'	② Δ = 83°51'54" R = 75.00' L = 109.78' T = 66.96'
③ Δ = 96°08'06" R = 75.00' L = 125.84' T = 83.41'	④ Δ = 89°50'39" R = 75.00' L = 117.61 T = 74.35'



RUNDOWN DETAIL #1

NTS



RUNDOWN DETAIL #2

NTS

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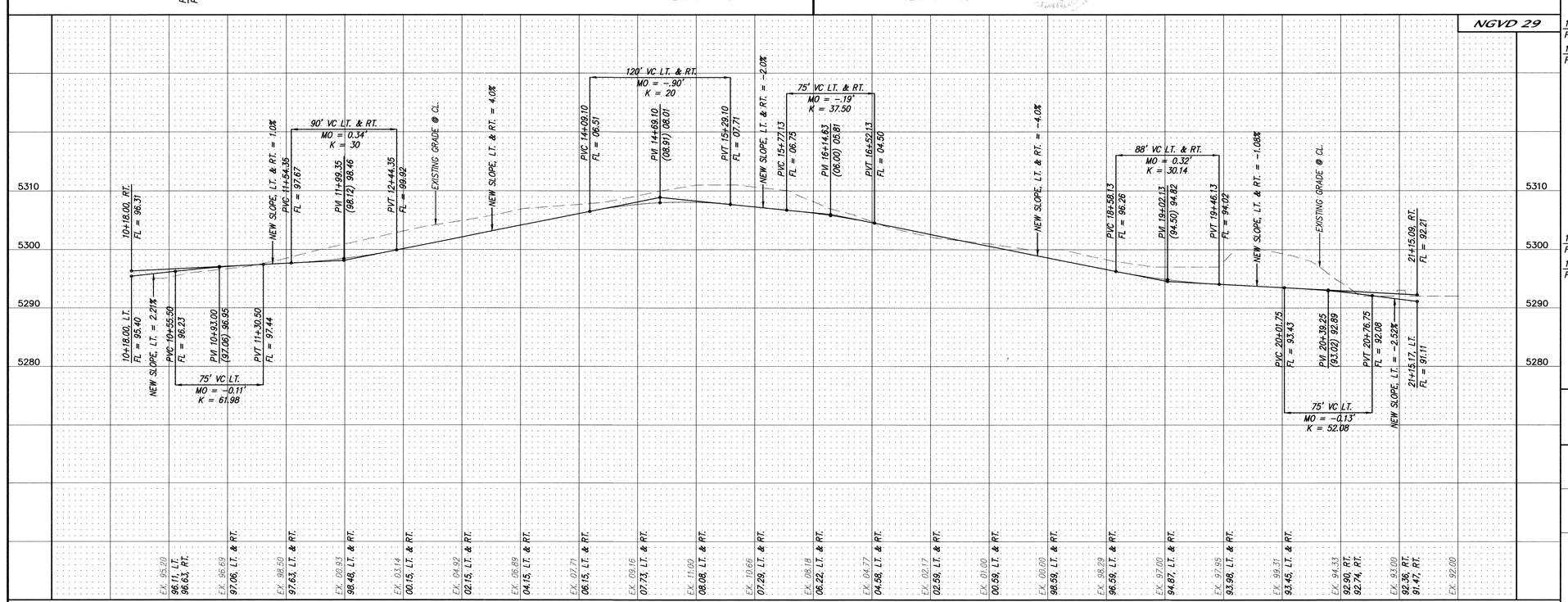
2 6 7 2 1 4 . 8 1 0 6 0 4



A3037CARMEL/A3037PP-1/09-18-03/ACH

AS BUILT INFORMATION

CONTRACTOR	SUNDANCE	
WORK STAKED BY	AIS	DATE
INSPECTOR'S ACCEPTANCE BY	DON RUTLEDGE	DATE 2-24-04
FIELD VERIFICATION BY	AIS	DATE 2-24-04
DRAWINGS CORRECTED BY	AIS	DATE 2-24-04

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

ACS MONUMENT "10-D18"	
Y=1515687.39	
X=404876.27	
G-G=0.9996560	
Δα=-00°11'00"	
CENTRAL ZONE (NAD 1927/SLD 1929)	
ELEVATION=5319.15	

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

		DATE
DESIGN		
DESIGNED BY	GJK	07/03
DRAWN BY	ACH	07/03
CHECKED BY	DMG	07/03

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

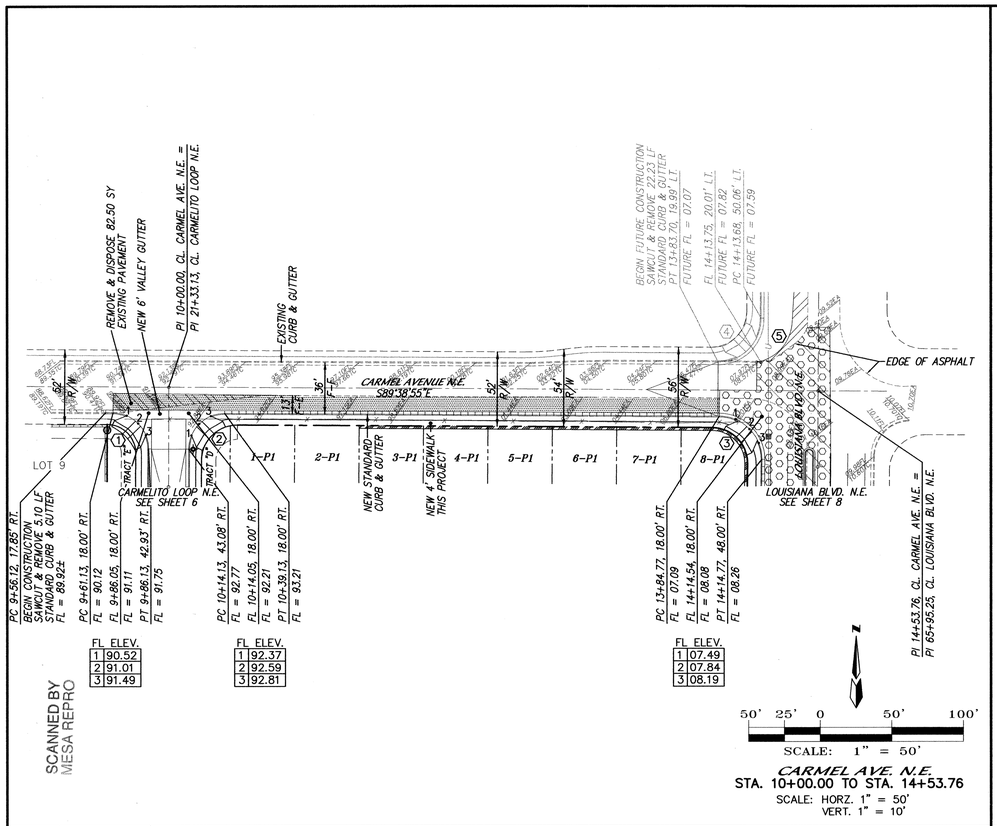
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: THE CARMEL SUBDIVISION
CARMELITO LOOP N.E.
PAVING IMPROVEMENTS

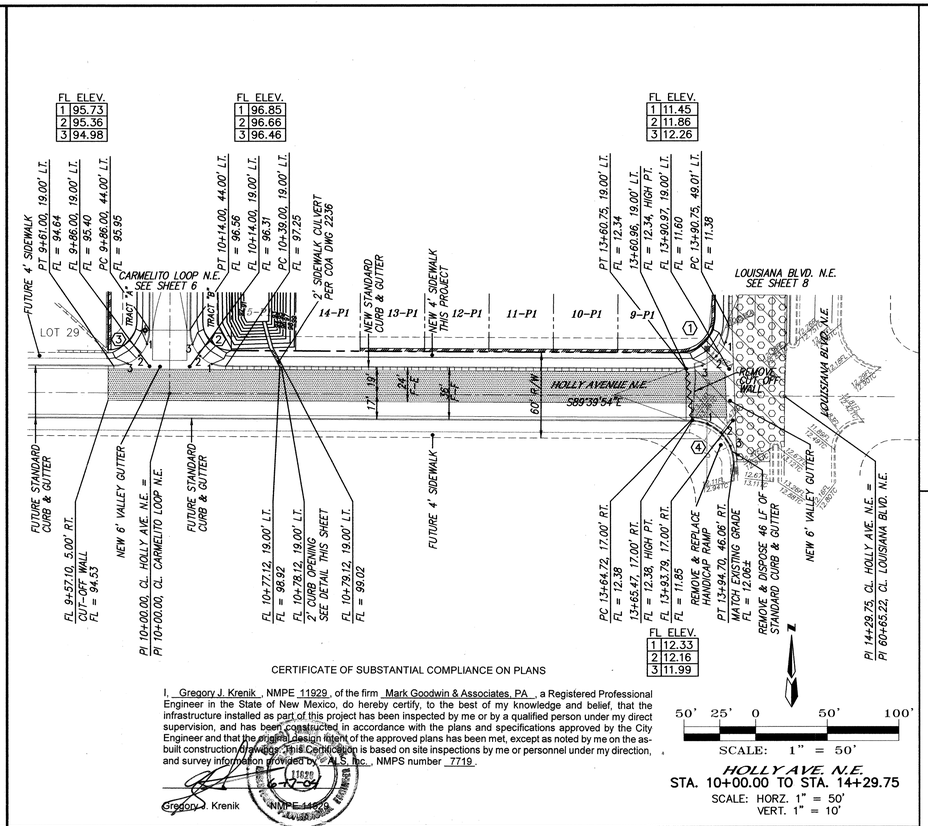
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED OCT 1 4 2003 DESIGN REVIEW COMMITTEE	APPROVED OCT 1 6 2003 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
721481	C-16	6	13

F:\A03JOBS\A3937 carmel\A3937PP-1.dwg Fri Sep 19 09:24:54 2003 D. MARK GOODWIN & ASSOCIATES; PLITED BY: ACH



CARMEL AVE. N.E.
STA. 10+00.00 TO STA. 14+53.76
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

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Gregory J. Krenik NMPE 11929 6-17-04

HOLLY AVE. N.E.
STA. 10+00.00 TO STA. 14+29.75
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

NOTES

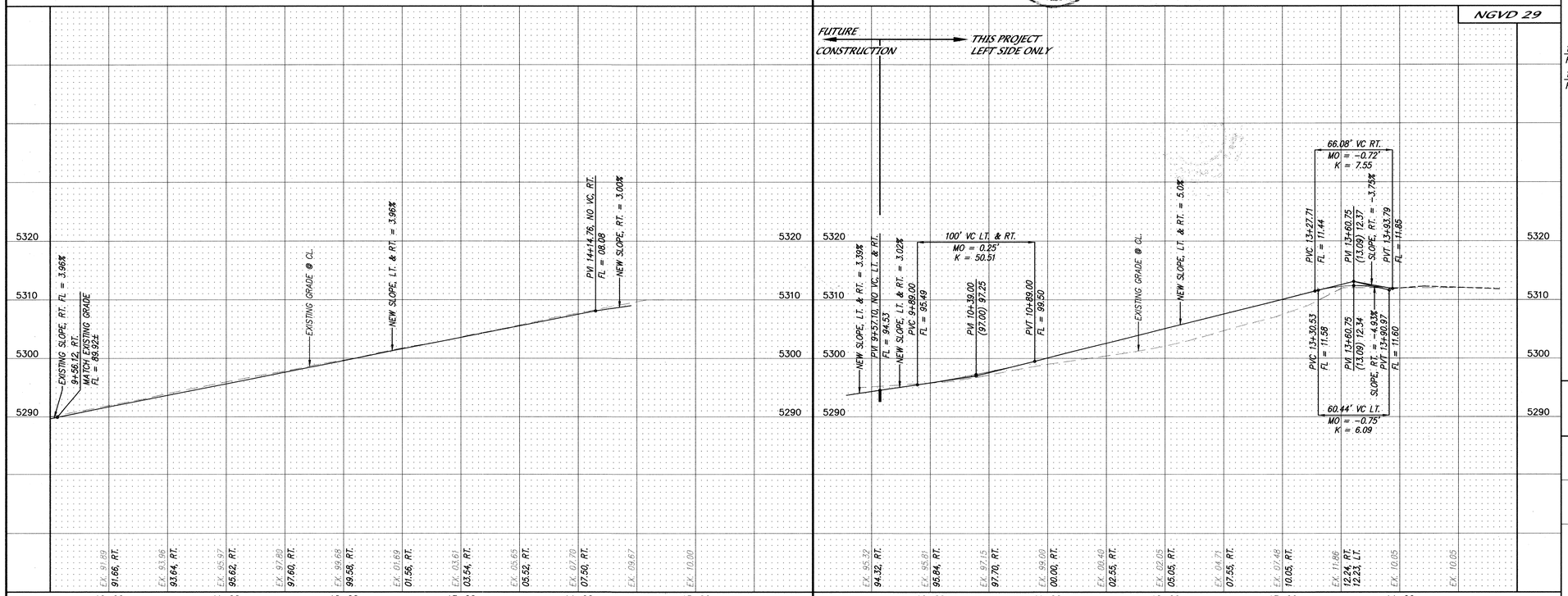
1. ALL STATIONING IS CENTERLINE STATIONING.

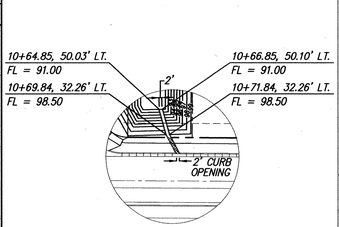
CARMEL AVE.
CURVE DATA – DESCRIBES FACE OF CURB

① Δ = 89°49'40" R = 25.00' L = 39.19' T = 24.78'
② Δ = 90°10'20" R = 25.00' L = 39.35' T = 25.04'
③ Δ = 90°00'09" R = 30.00' L = 47.13' T = 30.00'
④ Δ = 90°06'12" R = 30.00' L = 47.18' T = 30.03'
⑤ Δ = 89°51'22" R = 25.00' L = 39.21' T = 24.79'

HOLLY AVE.
CURVE DATA – DESCRIBES FACE OF CURB

① Δ = 90°01'39" R = 30.00' L = 47.14' T = 30.00'
② Δ = 90°00'00" R = 25.00' L = 39.27' T = 25.00'
③ Δ = 90°00'00" R = 25.00' L = 39.27' T = 25.00'
④ Δ = 88°11'53" R = 30.00' L = 46.18' T = 29.03'





RUNDOWN DETAIL #3

NTS

26 72 14.81 07 04

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: THE CARMEL SUBDIVISION
CARMEL AVE. & HOLLY AVE.
PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
OCT 14 2003 REVIEW COMMITTEE	OCT 16 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
721481	C-16	7	13

AS BUILT INFORMATION
CONTRACTOR Sundance
WORK STAKED BY ALS DATE
ASBUILT CHECKS ALS DATE 2/04
ASBUILT MARKS BY TON RUTTEBURG DATE 2/04
FIELD VERIFICATION BY ALS DATE 2/04
DRAWINGS CORRECTED BY ALS DATE 2/04
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS MONUMENT "10-D18"
Y=1515687.39
X=404876.27
G-G=0.9996560
Δα=-00°11'00"
CENTRAL ZONE
(NAD 1927/SLD 1929)
ELEVATION=5319.15

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
Gregory J. Krenik 11929 NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

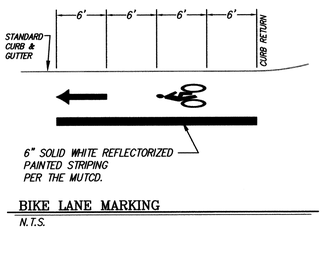
NO.	DATE	REMARKS	BY
		REVISIONS	

		DATE
DESIGNED BY	GJK	07/03
DRAWN BY	ACH	07/03
CHECKED BY	DMG	07/03

A3037CARMEL/A3037PP-2/09-18-03/ACH

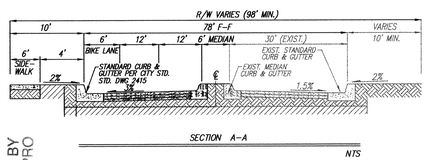
SCANNED BY MESA REPRO

F:\A03JOBS\A3037 carmel\A3037PP-2.dwg Wed Oct 08 16:07:10 2003 D. MARK GOODWIN & ASSOCIATES. PLTTED BY: ACH



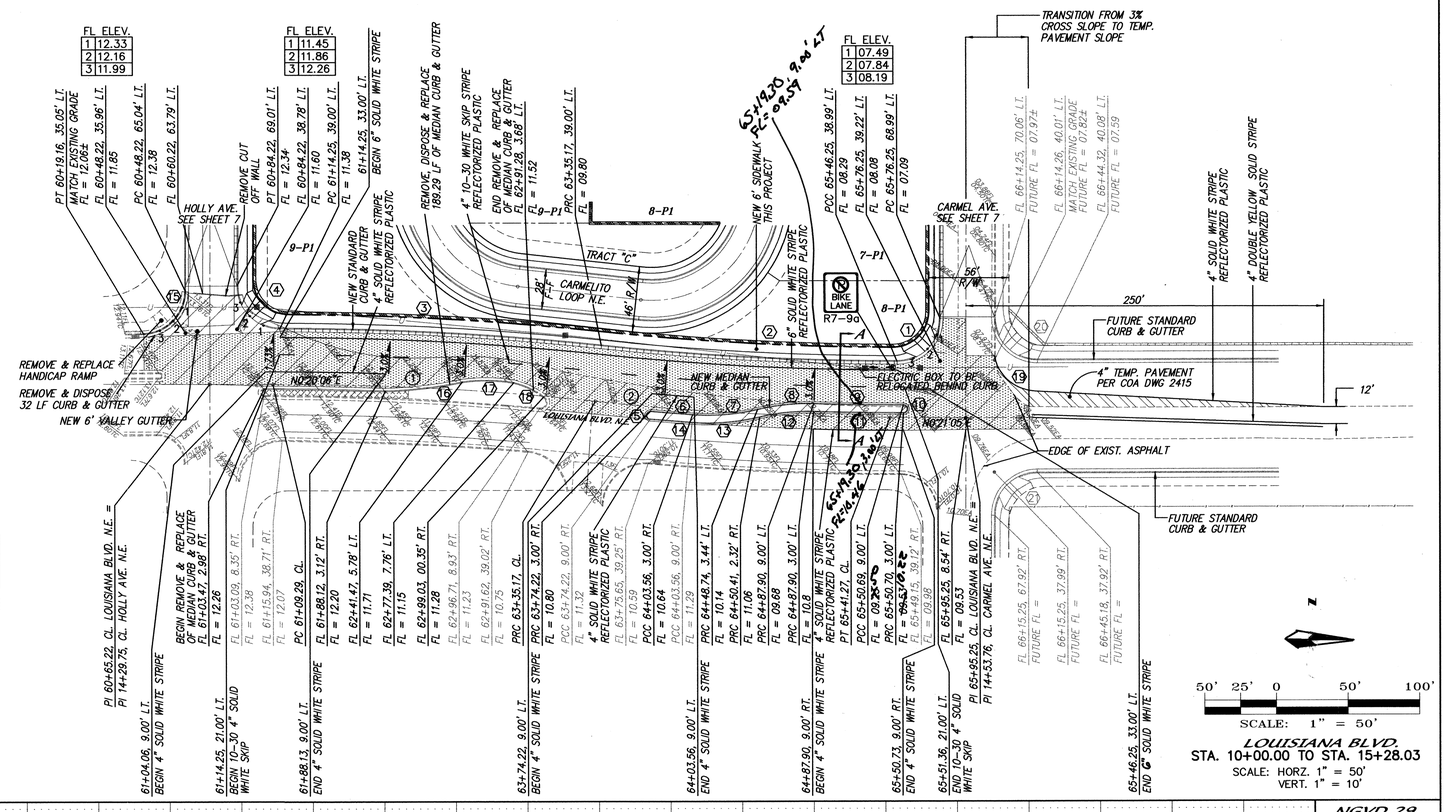
BIKE LANE MARKING

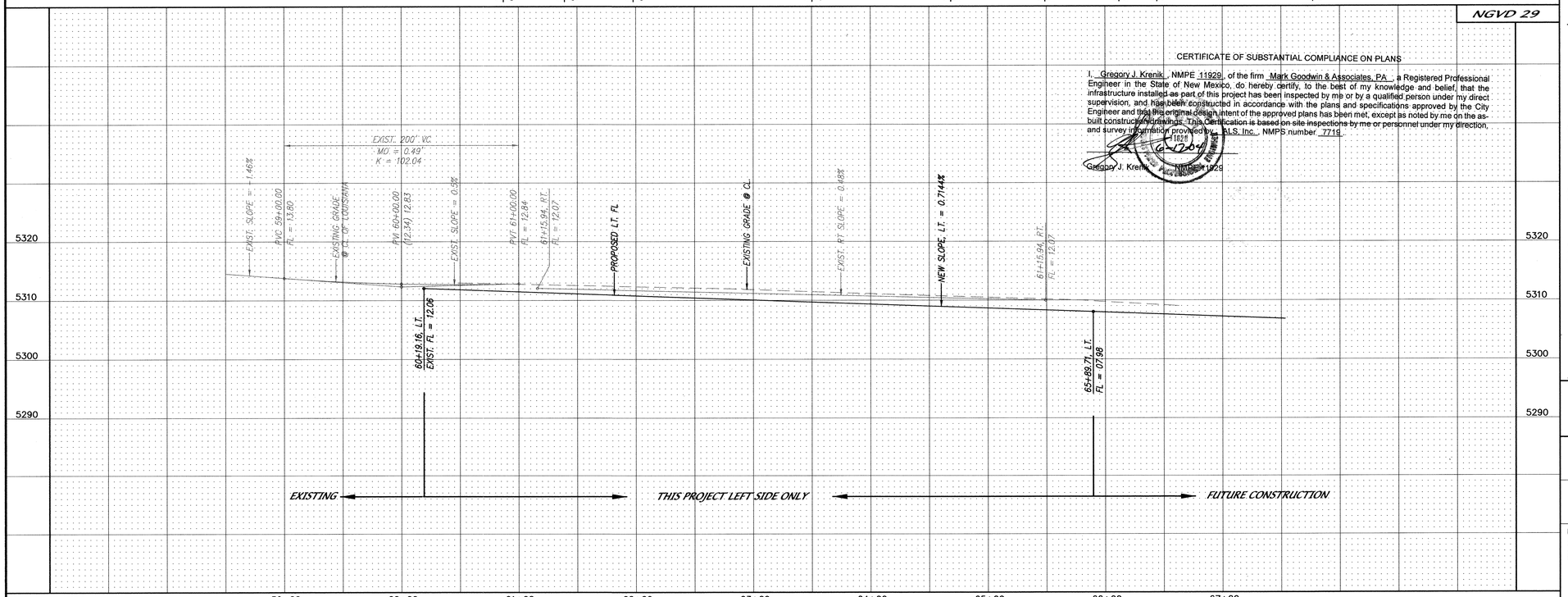
N.T.S.



SECTION A–A

NTS





CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

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Gregory J. Krenik NMPE 11929

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.
2. ALL BULLNOSES TO BE PAINTED REFLECTORIZED YELLOW.

CURVE DATA – DESCRIBES FACE OF CURB

① Δ = 90°00'09" R = 30.00' L = 47.13' T = 30.00'	② Δ = 6°07'50" R = 1982.00' L = 212.07' T = 105.17'
③ Δ = 6°09'47" R = 21.38.00' L = 229.97' T = 113.82'	④ Δ = 90°01'39" R = 30.00' L = 47.14' T = 30.00'
⑤ Δ = 180°00'00" R = 3.00' L = 9.42' T = 6.00'	⑥ Δ = 0°49'54" R = 2024.00' L = 29.38' T = 8.75'
⑦ Δ = 17°29'55" R = 150.00' L = 45.81' T = 22.81'	⑧ Δ = 15°06'26" R = 150.00' L = 39.55' T = 19.83'
⑨ Δ = 1°46'50" R = 2012.00' L = 62.53' T = 25.72'	⑩ Δ = 180°00'00" R = 3.00' L = 9.42' T = 6.00'
⑪ Δ = 1°46'50" R = 2018.00' L = 62.71' T = 25.80'	⑫ Δ = 15°06'26" R = 144.00' L = 37.97' T = 19.04'
⑬ Δ = 17°29'55" R = 156.00' L = 47.64' T = 23.72'	⑭ Δ = 0°49'54" R = 2030.00' L = 29.47' T = 08.78'
⑮ Δ = 88°11'53" R = 30.00' L = 46.18' T = 29.03'	⑯ Δ = 11°01'42" R = 218.65' L = 54.21' T = 21.08'
⑰ Δ = 18°30'27" R = 112.20' L = 36.24' T = 18.07'	⑱ Δ = 22°56'30" R = 58.19' L = 23.30' T = 11.61'
⑲ Δ = 89°51'22" R = 25.00' L = 39.21' T = 24.79'	⑳ Δ = 90°06'12" R = 30.00' L = 47.18' T = 30.03'
㉑ Δ = 89°51'26" R = 30.00' L = 47.05' T = 29.75'	

CURVE DATA – DESCRIBES CENTERLINE

① Δ = 6°09'57" R = 2099.00' L = 225.88' T = 111.76'	② Δ = 5°50'34" R = 2021.00' L = 206.10' T = 97.13'

NEW PAVEMENT THIS PROJECT

REMOVE & DISPOSE 1,905.45 S.Y. OF ASPHALT

REMOVE, DISPOSE & RELPACE 46.56 S.Y. OF STAMPED COLORED CONCRETE

172.50 S.Y. 4" TEMPORARY PAVEMENT

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

AS BUILT INFORMATION

CONTRACTOR	Sundance	DATE
WORK STAKED BY	ALS	
WORK INSPECTED BY	Jason Rutledge	DATE 2/04
ACCEPTANCE BY	ALS	DATE 2/04
FIELD VERIFICATION BY	ALS	DATE 2/04
DRAWINGS CORRECTED BY	ALS	DATE 2/04

MICRO–FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

ACS MONUMENT	"10–D18"
Y=1515687.39	
X=404876.27	
G–G=0.9996560	
Δα=–00°11'00"	
CENTRAL ZONE	
(NAD 1927/SLD 1929)	
ELEVATION=5319.15	

SURVEY INFORMATION

NO.	BY	DATE	FIELD NOTES

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

		DATE
DESIGNED BY	GJK	07/03
DRAWN BY	ACH	07/03
CHECKED BY	DMG	07/03

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828–2200, FAX (505) 797–9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: THE CARMEL SUBDIVISION
LOUISIANA BLVD.
PAVING IMPROVEMENTS

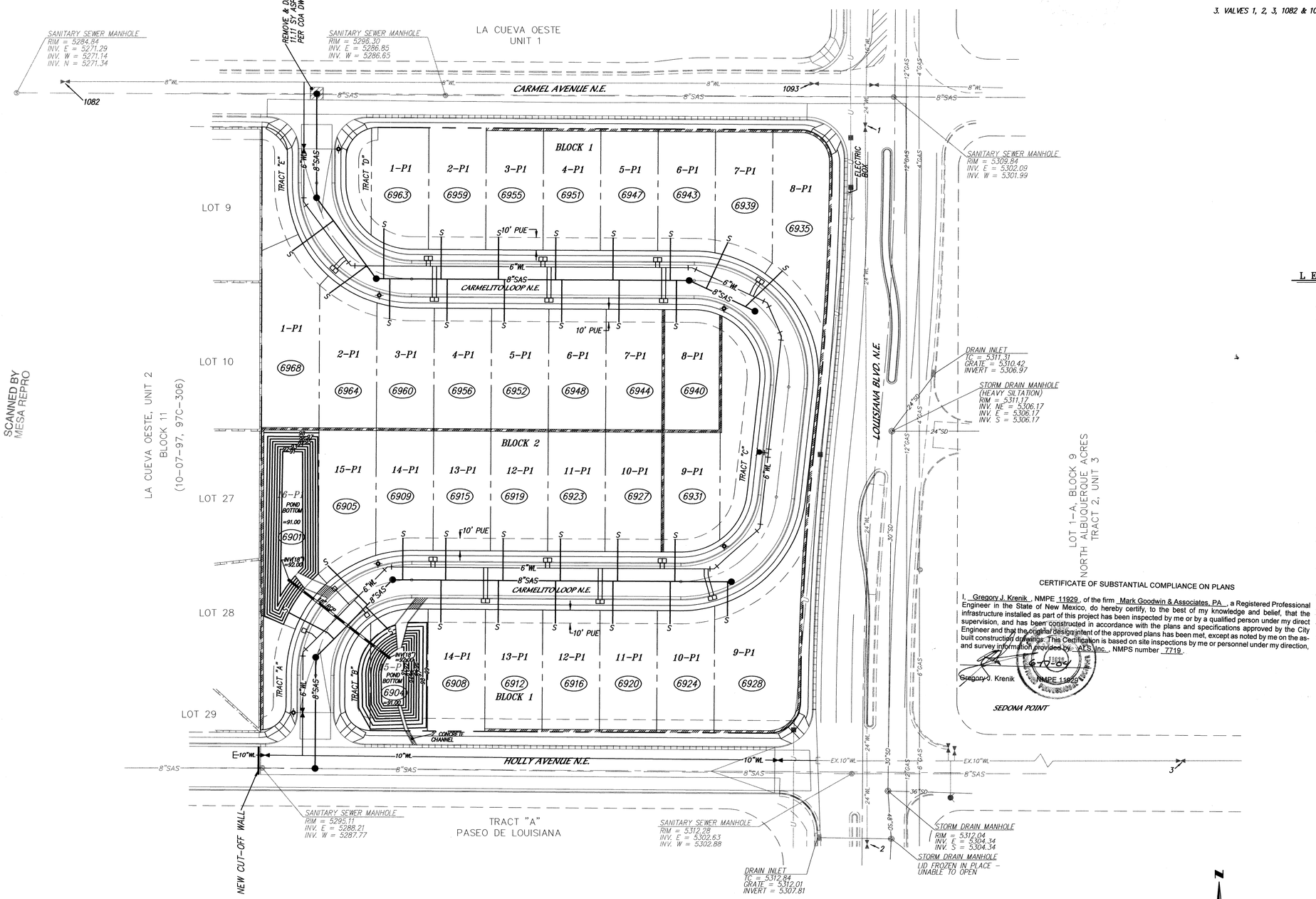
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
OCT 1 4 2003 REVIEW COMMITTEE	APPROVED OCT 1 6 2003 CITY			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
721481	C-16	8	13

A3037CARMEL/A3037PP–3/09–18–03/ACH

SCANNED BY MESA REPRO

F:\A03JOBS\A3037 carmel\A3037PP-3.dwg Tue Oct 07 11:32:28 2003 D. MARK GOODWIN & ASSOCIATES; PLTTED BY: ACH



VALVE SHUT-OFF PLAN

1. CONTRACTOR WILL CONTACT WATER SYSTEMS AT 857-8200, SEVEN (7) DAYS PRIOR TO NECESSARY SHUT-OFF.
2. VALVES SHALL ONLY BE OPERATED BY CITY WATER EMPLOYEES SEE THIS SHEET FOR VALVE NUMBERS & LOCATIONS.
3. VALVES 1, 2, 3, 1082 & 1093 WILL NEED TO BE SHUT FOR THE CONNECTIONS.

LEGEND

- TC= FL= x 00.0 — EXISTING SPOT ELEVATION
- EXISTING CONCRETE CURB
- EXISTING WALL OR HEAD WALL
- EXISTING STORMDRAIN MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING ELECTRIC TRANSFORMER
- E — EXISTING OVERHEAD ELECTRIC LINE
- EXISTING POWER POLE
- EXISTING TELEPHONE BOX
- 24"WL — EXISTING WATERLINE
- 8"SAS — EXISTING SAS LINE
- 30"SD — EXISTING STORMDRAIN
- 12"GAS — EXISTING GAS LINE
- U — EXISTING UTILITY LINE
- NEW CURB & GUTTER
- NEW STANDARD CURB & GUTTER
- NEW SIDEWALK
- NEW RIGHT-OF-WAY
- NEW CENTERLINE
- NEW LOT LINES
- NEW EASEMENTS
- NEW RETAINING WALL
- NEW WATERLINE
- NEW SAS
- NEW STORM DRAIN
- NEW GATE VALVE
- NEW FIRE HYDRANT
- NEW WATER METERS
- NEW WATERLINE BEND
- NEW WATERLINE CAP
- S — NEW SAS SERVICES
- NEW SAS SERVICES
- (7731) — NEW ADDRESSES

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

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik, NMPE 11929, of the firm Mark Goodwin & Associates, PA, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by ATS Inc., NMPS number 7719.

6-17-04

Gregory J. Krenik NMPE 11929

AS BUILT INFORMATION

CONTRACTOR	Sundance	
WORK STAKED BY	ALS	DATE
WORK INSPECTED BY	Don Butterfield	DATE 2-24
ACCEPTANCE BY	DOC	
FIELD VERIFICATION BY	ALS	DATE 2-24
DRAWINGS CORRECTED BY	ALS	DATE 2-24

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS MONUMENT "10-D18"
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X=404876.27
G-G=0.999650
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CENTRAL ZONE
(NAD 1927/SLD 1929)
ELEVATION=5319.15

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

		DATE
DESIGNED BY	GJK	05/03
DRAWN BY	ACH	05/03
CHECKED BY	DMG	05/03

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE:

THE CARMEL SUBDIVISION MASTER UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED OCT 14 2003 REVIEW DESIGN COMMITTEE	APPROVED OCT 16 2003 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
721481	C-18	9	13

A3037CARMEL/A3037MUTI/09-18-03/ACH

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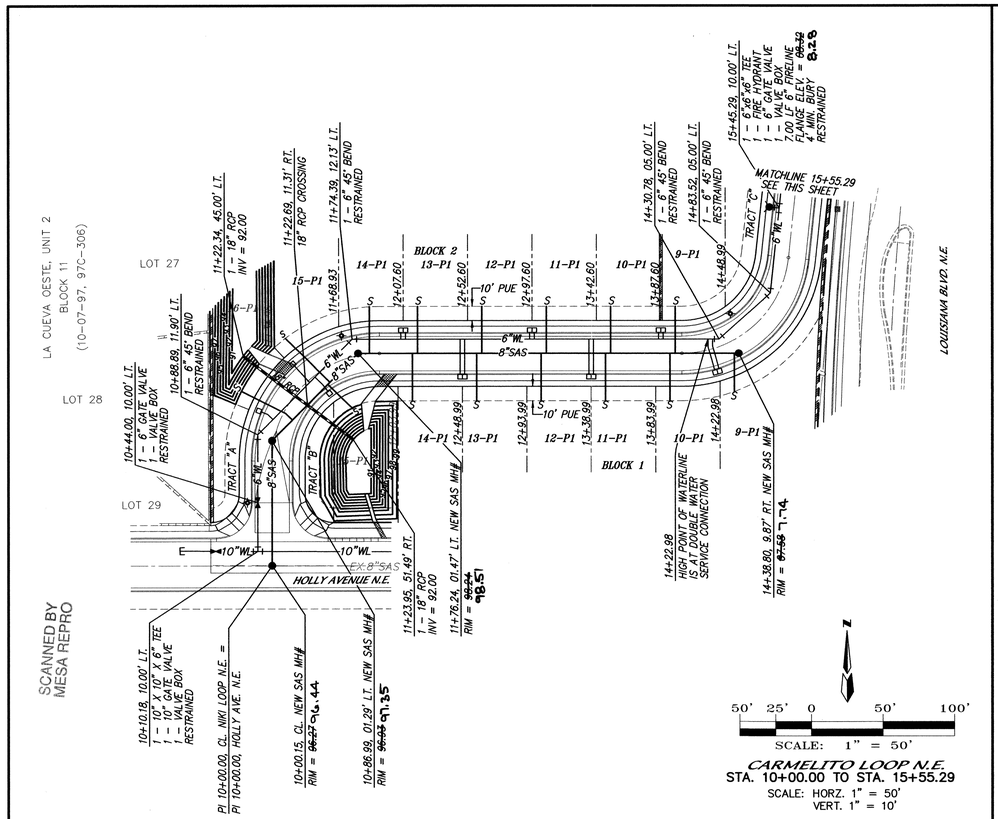

CARMELITO LOOP N.E.
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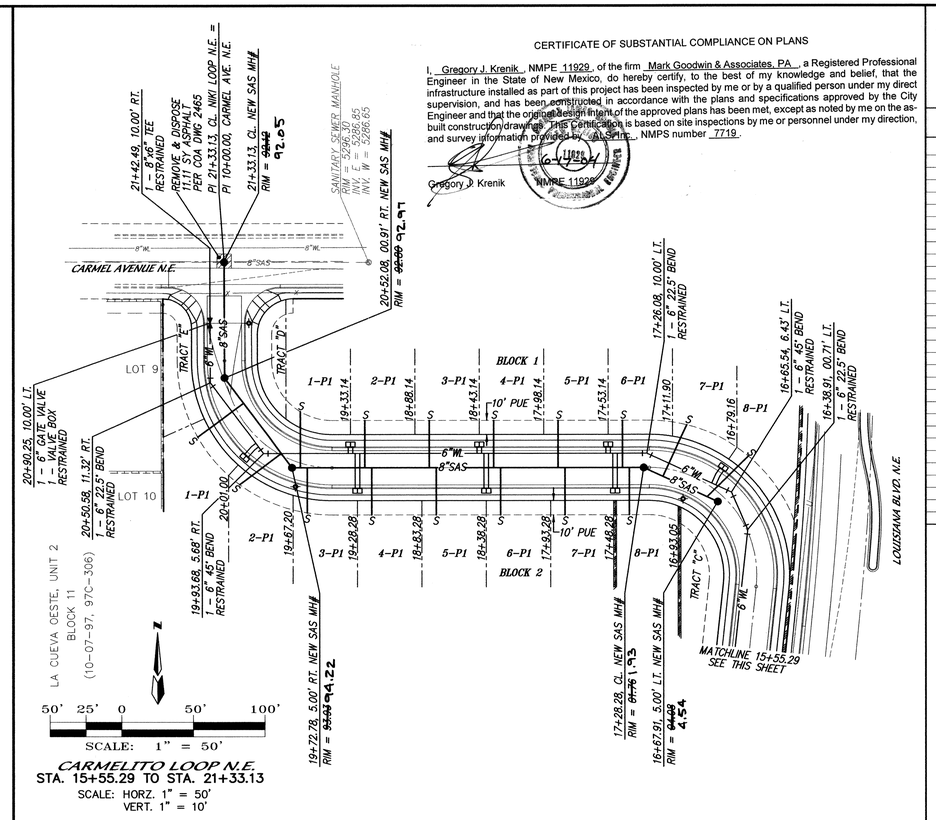
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



CARMELITO LOOP N.E.
STA. 15+55.29 TO STA. 21+33.13
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik, NMPE 11929, of the firm Mark Goodwin & Associates, PA, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This certification is based on site inspections by me or personnel under my direction, and survey information provided by ALS Inc., NMPS number 7719.

Gregory J. Krenik

6-17-04
NMPE 11929

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

SANITARY SEWER SERVICES

BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
1	1	19+87.51	88.58'	39.23'
1	2	19+23.14	89.36'	33.00'
1	3	18+78.14	90.52'	33.00'
1	4	18+33.14	92.26'	33.00'
1	5	17+88.14	94.06'	33.00'
1	6	17+43.14	95.86'	33.00'
1	7	17+05.97	97.35'	39.66'
1	8	16+72.21	98.70'	40.41'
1	9	14+28.29	02.19'	26.56'
1	10	13+93.99	00.91'	33.00'
1	11	13+48.99	99.11'	33.00'
1	12	13+03.99	97.31'	33.00'
1	13	12+58.99	95.51'	33.00'
1	14	12+13.99	93.86'	33.00'
1	15	11+55.64	92.63'	22.74'
2	1	20+24.92	88.18'	40.00'
2	2	19+94.05	88.51'	36.29'
2	3	19+58.09	88.89'	31.63'
2	4	19+18.28	89.45'	33.00'
2	5	18+73.28	90.69'	33.00'
2	6	18+28.28	92.45'	33.00'
2	7	17+83.28	94.25'	33.00'
2	8	17+38.28	96.05'	33.00'
2	9	13+97.60	01.05'	33.00'
2	10	13+52.60	99.25'	33.00'
2	11	13+07.60	97.45'	33.00'
2	12	12+62.60	95.65'	33.00'
2	13	12+17.60	93.97'	33.00'
2	14	11+86.08	92.99'	32.77'
2	15	11+41.91	92.55'	43.70'
2	16	11+08.31	92.21'	41.27'

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	–	–	46'
10"	–	11'	5'	3'	72'

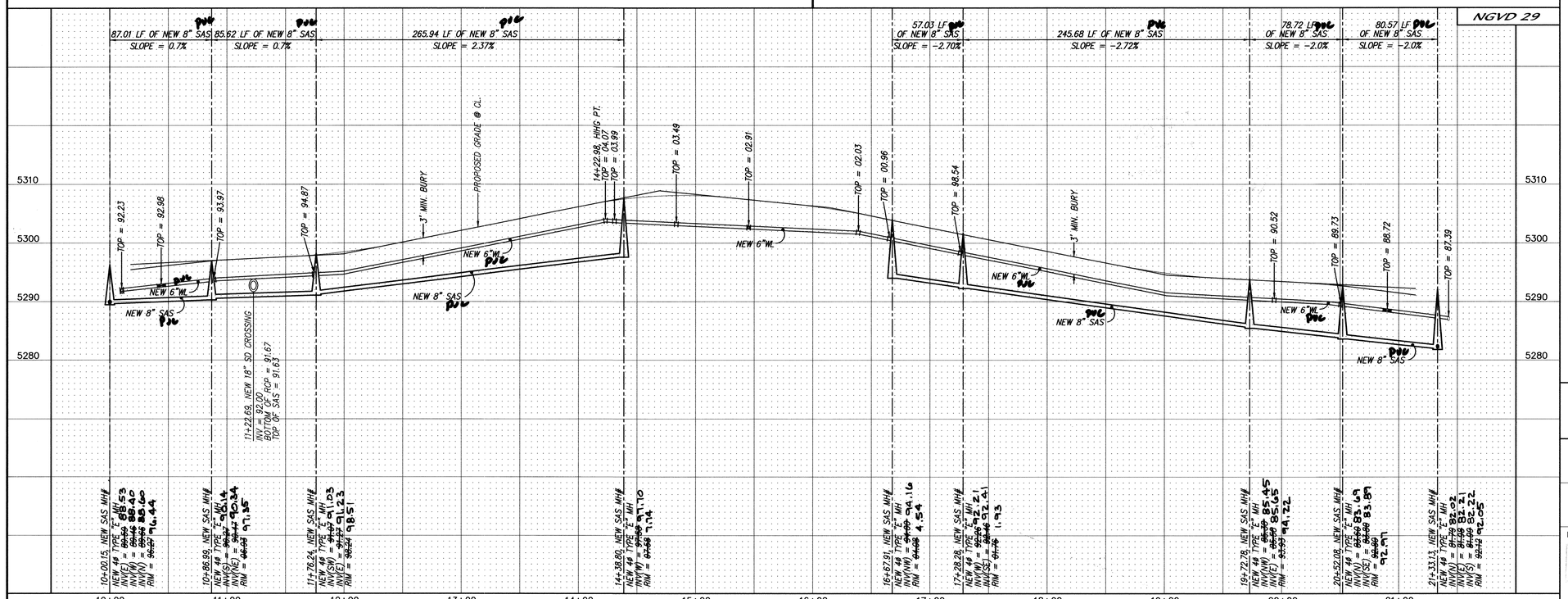
LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTHS FOR REDUCERS (FT.)

PIPE SIZE	LARGE SIDE	SMALL SIDE
10" X 6"	44'	–

RESTRAINED JOINT LENGTH FOR TEES (FT.)

PIPE SIZE	RUN	BRANCH
10"x10"x10"	15'	5'
10"x10"x6"	6'	1'
6"x6"x6"	10'	2'



A3037CARMEL/A3037UP-1/09-18-03/ACH

AS BUILT INFORMATION

CONTRACTOR Sundance DATE
WORK STAKED BY ALS DATE
INSPECTOR ACCEPTANCE BY Sundance DATE 2/24
FIELD VERIFICATION BY ALS DATE 2/24
DRAWINGS CORRECTED BY ALS DATE 2/24
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

ACS MONUMENT "10-D18"
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X=404876.27
G-G=0.9996560
Δα = -00°11'00"
CENTRAL ZONE
(NAD 1927/SLD 1929)
ELEVATION=5319.15

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS / REVISIONS	BY

DESIGN

DESIGNED BY	GJK	DATE 07/03
DRAWN BY	ACH	DATE 07/03
CHECKED BY	DMG	DATE 07/03

26 7214.81 1004

dmg MARK GOODWIN & ASSOCIATES, P.A.
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P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: THE CARMEL SUBDIVISION
CARMELITO LOOP N.E.
PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE: APPROVED OCT 14 2003
CITY ENGINEER APPROVAL: APPROVED OCT 16 2003 CITY
LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO. 721481 | ZONE MAP NO. C-16 | SHEET 10 OF 13

SCANNED BY MESA REPRO
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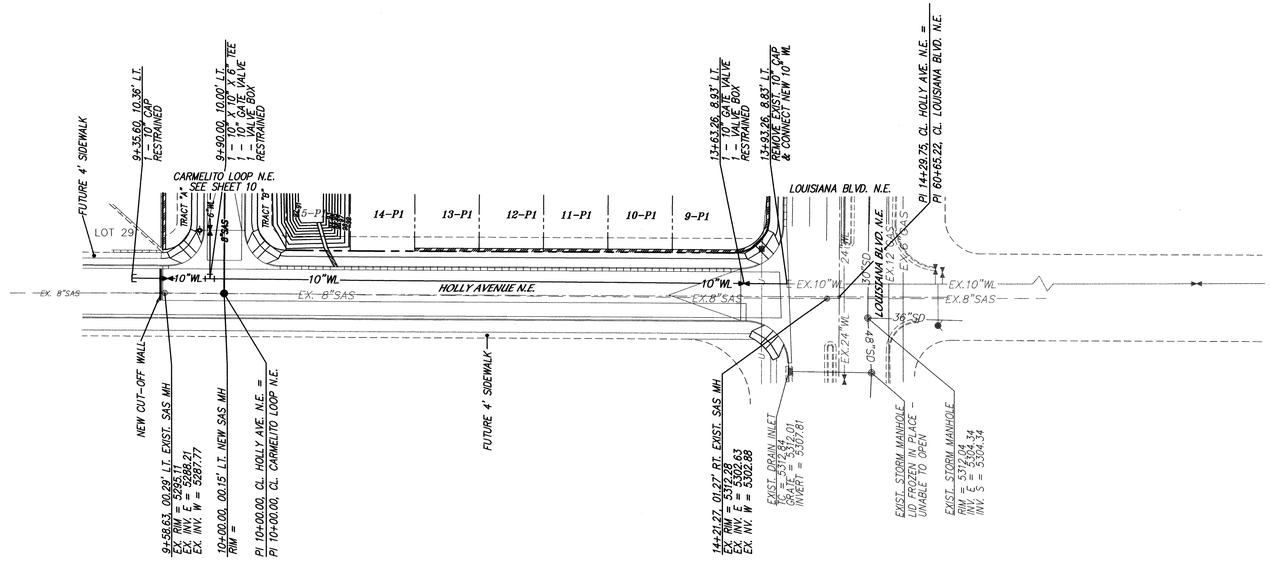

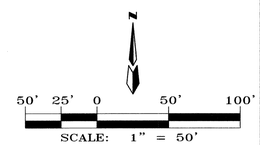

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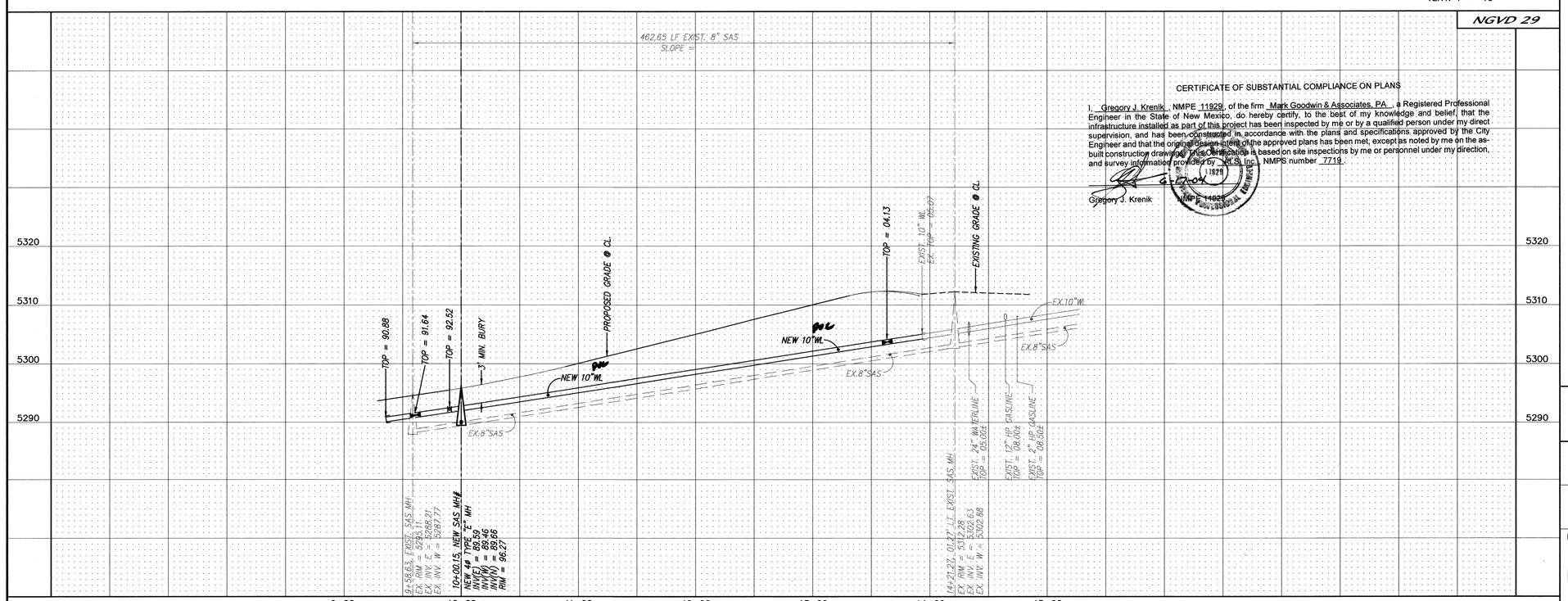
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

NGVD 29



A3037CARMEL/A3037UP-2/09-23-03/ACH

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik, NMPE 11929, of the firm Mark Goodwin & Associates, PA, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This certification is based on site inspections by me or personnel under my direction, and survey information provided by NT S, Inc., NMPS number 7719.

6-27-04

Gregory J. Krenik NMPE 11929

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)					
PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	–	–	46'
10"	–	11'	5'	3'	72'

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTHS FOR REDUCERS (FT.)		
PIPE SIZE	LARGE SIDE	SMALL SIDE
10" X 6"	44'	–

RESTRAINED JOINT LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
10"x10"x10"	15'	5'
10"x10"x6"	6'	1'
6"x6"x6"	10'	2'

AS BUILT INFORMATION
CONTRACTOR Sundance DATE
WORK STAKED BY AIS DATE
WORK INSPECTED BY Ron Butler DATE 7/2/04
ACCEPTANCE BY Bond DATE 7/2/04
FIELD VERIFICATION BY AIS DATE 7/2/04
DRAWINGS CORRECTED BY AIS DATE 7/2/04
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS MONUMENT
"10-D18"
Y=1515687.39
X=404876.27
G-G=0.999656O
Δα=-0011'00"
CENTRAL ZONE
(NAD 1927/SLD 1929)
ELEVATION=5319.15

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS REVISIONS	BY

		DATE
DESIGNED BY	GJK	07/03
DRAWN BY	ACH	07/03
CHECKED BY	DMG	07/03

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

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: *THE CARMEL SUBDIVISION*
HOLLY AVE.
UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED OCT 14 2003 DESIGN REVIEW COMMITTEE	APPROVED OCT 16 2003 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
721481	C-16	10A	13

SCANNED BY
MESA REPRO

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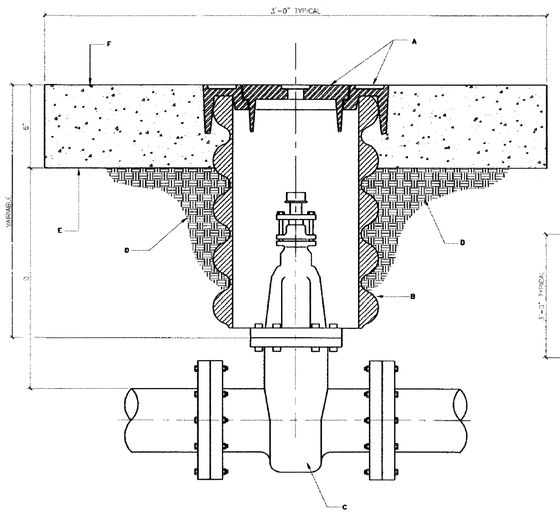


GENERAL NOTES:

A VALVE BOX RING AND COVER. SEE DWG. 2328.

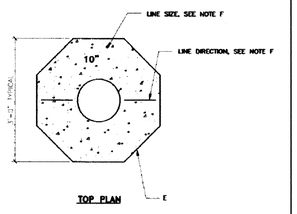
B 10" DIAMETER RIBBED OR CORRUGATED PVC OR PE PIPE WITH SMOOTH INTERIOR.

C NEW OR EXISTING VALVE.

D COMPACTED BACKFILL. SOIL OR BASE COURSE MATERIAL (95% COMPACTION). SEE SECTION 701.

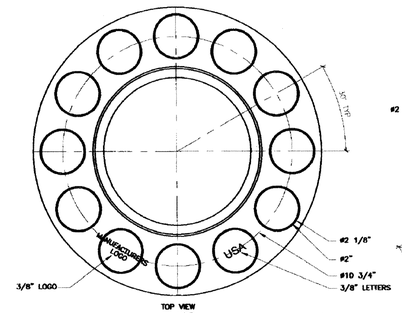
E 3'-0"x3'-0" OCTAGONAL CONCRETE COLLAR. COLLAR IS TO BE TAPERED IN UNPAVED ROADWAYS AND FLUSH IN PAVED ROADWAY. CONCRETE STRENGTH SHALL BE PER SECTION 101 OF THE STANDARD SPECIFICATIONS, LATEST EDITION.

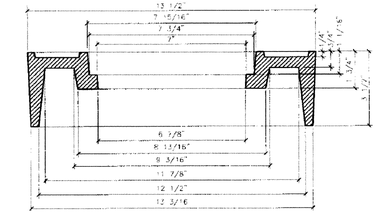
F TOP OF CONCRETE COLLAR SHALL BE STAMPED WITH LINE SIZE AND DIRECTION. MINIMUM LETTER SIZE SHALL BE 3" IN HEIGHT.



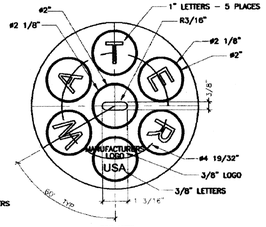
TOP PLAN

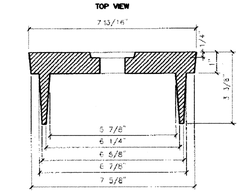
REVISIONS	CITY OF ALBUQUERQUE WATER VALVE BOX
	DWG. 2326 JANUARY 2002





VALVE BOX RING





VALVE BOX COVER

GENERAL NOTES – RING

1 ALBUQUERQUE VALVE BOX RING DESIGNED TO ACCEPT AN ALBUQUERQUE VALVE BOX COVER.

2 THE CASTING NUMBER, MANUFACTURER'S LOGO, DATE OF MANUFACTURE AND "USA" SHALL BE CAST IN A CONSPICUOUS LOCATION ON BOTH THE RING AND THE COVER.

3 FILLETS SHALL BE 1/4"R UNLESS OTHERWISE SPECIFIED.

4 A DRAFT ANGLE OF 3°–5° SHALL BE APPLIED UNLESS OTHERWISE SPECIFIED.

5 FINISH: REMOVE EXCESS IRON AND FINS.

6 THIS DETAIL DOES NOT APPLY FOR VALVE BOX RING AND COVER TO BE USED ON REUSE OR NON–POTABLE WATER SYSTEMS.

GENERAL NOTES – COVER

1 ALBUQUERQUE VALVE BOX COVER DESIGNED TO FIT INTO AN ALBUQUERQUE VALVE BOX RING.

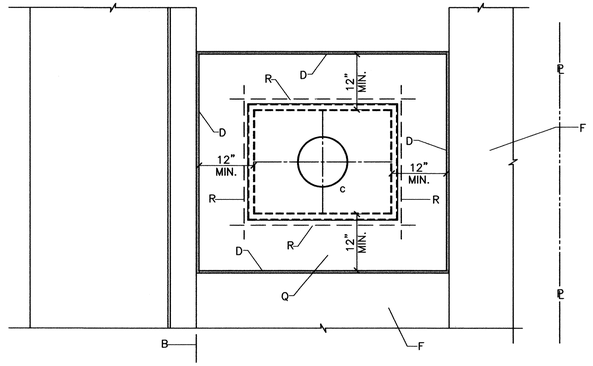
2 THE CASTING NUMBER, MANUFACTURER'S LOGO, DATE OF MANUFACTURE AND "USA" SHALL BE CAST IN A CONSPICUOUS LOCATION ON BOTH THE RING AND THE COVER.

3 FILLETS SHALL BE 1/4"R UNLESS OTHERWISE SPECIFIED.

4 A DRAFT ANGLE OF 3°–5° SHALL BE APPLIED UNLESS OTHERWISE SPECIFIED.

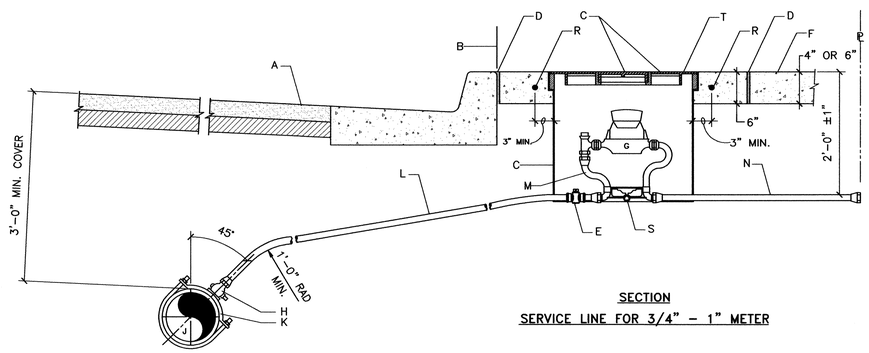
5 FINISH: REMOVE EXCESS IRON AND FINS.

REVISIONS	CITY OF ALBUQUERQUE WATER RING AND COVER FOR VALVE BOX
	DWG. 2328 JANUARY 2002



PLAN

SEE DWG. 2361 FOR TYPICAL INSTALLATIONS



SECTION

SERVICE LINE FOR 3/4" – 1" METER

GENERAL NOTES:

1 THE METER SHALL BE SET UTILIZING A COPPER–SETTER. COPPER–SETTER HEIGHT 10" FOR 1" METER. 7" FOR 3/4" METER.

2 THE VALVE AND METER REGISTER BOX SHALL BE LOCATED UNDER THE LID OPENING. WHERE TWO METERS ARE TO BE INSTALLED IN A SINGLE METER BOX, THE METER REGISTERS SHALL BE WITHIN READING RANGE OF THE LID OPENING.

3 METER BOX LOCATION TO CONFORM TO DWG. 2361.

4 WHEN CONTRACTOR DOES NOT INSTALL METER, CONTRACTOR SHALL PROVIDE REMOVABLE PLUGS FOR END OF COPPER–SETTER.

5 EXISTING CONCRETE TO BE SAWCUT.

CONSTRUCTION NOTES:

A STREET SURFACE.

B BACK OF CURB.

C CAST IRON METER BOX, COVER AND LID. SEE DWG. 2368 OR 2369.

D 1/2" EXPANSION JOINT.

E CURB STOP, LOCATE INSIDE METER BOX.

F SIDEWALK OR DRIVEPAD.

G METER. TOP OF METER TO BE 12"–18" BELOW COVER.

H CORP STOP.

J MAIN WATER LINE.

K TAPPING SADDLE.

L COPPER SERVICE LINE.

M COPPER SETTER.

N TAILPIECE TO PROPERTY LINE WITH INSTA–TITE I.P.T. CAPPED FITTING.

Q CONCRETE PAD REQUIRED IN ALL AREAS.

R #4 REBAR CONTINUOUS ALL AROUND METER BOX.

S STABILIZER BAR. 12" LONG X 1/2" DIAMETER GALVANIZED STEEL PIPE.

T METER BOX LID SHALL BE FLUSH WITH SURROUNDING SIDEWALK.

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

A3037CARMEL/A3037–WAT–DET/09–18–03/ACH

AS BUILT INFORMATION

CONTRACTOR	Sundance	DATE
WORK STAKED BY	AIS	DATE 2/04
INSPECTOR'S ACCEPTANCE BY	Dang	DATE 2/04
FIELD VERIFICATION BY	AIS	DATE 2/04
DRAWINGS CORRECTED BY	AIS	DATE 2/04

MICRO–FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

DRAFT

C.O.A. STANDARD

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN		DATE	07/03
DESIGNED BY	GJK	DATE	07/03
DRAWN BY	ACH	DATE	07/03
CHECKED BY	DMG		

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828–2200, FAX (505) 797–9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE:

THE CARMEL SUBDIVISION WATER DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
C.O.A. STANDARD DRAFT	C.O.A. STANDARD			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
721481	C-18	11	13

SCANNED BY MESA REPRO

F:\A03JOBS\A3037 carmel\A3037-WAT-DET.dwg Fri Sep 19 10:26:46 2003 D. MARK GOODWIN & ASSOCIATES. PLTTED BY: ACH

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 SEPERATE 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.

SCANNED BY MESA REPRO

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.

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

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 TRAVELED 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.

△2 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.

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.

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

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

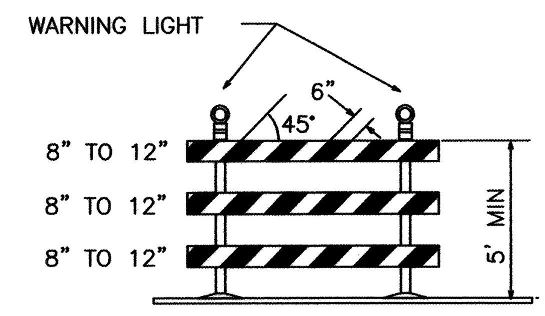
SPECIAL PROJECT TRAFFIC CONTROL NOTES

28. CONTRACTOR MUST MAINTAIN TWO-WAY TRAFFIC ON LOUISIANA BLVD. AT ALL TIMES.

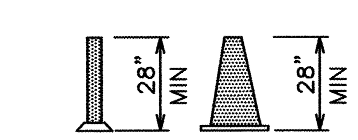
29. NO TRAFFIC SPLITS THROUGH THE PASEO DEL NORTE INTERSECTION WILL BE ALLOWED.

30. ROAD USAGE FEES OF $0.01 PER SQUARE FOOT OF BARRICADED AREA PER DAY WILL BE ASSESSED FOR ALL LANE CLOSURES IN LOUISIANA BLVD.

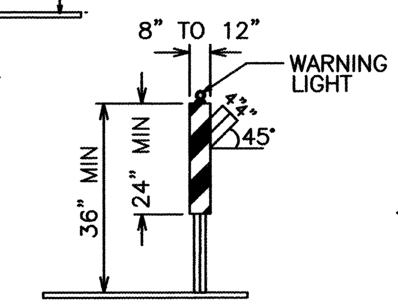
31. PERMIT REQUESTS FOR WORK IN LOUISIANA BLVD. MAY BE DENIED OR DELAYED DUE TO CONFLICTS WITH OTHER ON-GOING PROJECTS IN THE VICINITY.



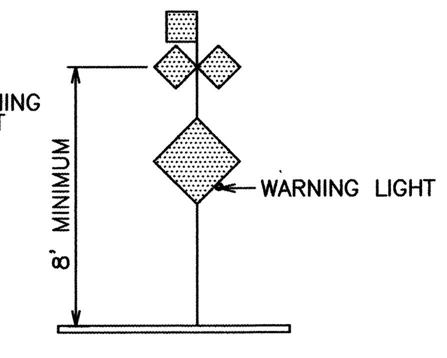
TYPE III BARRICADE



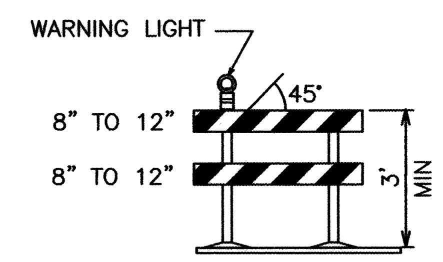
CONES



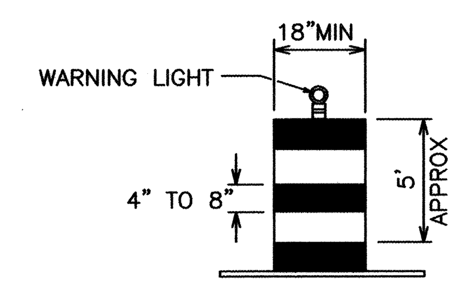
VERTICAL PANEL



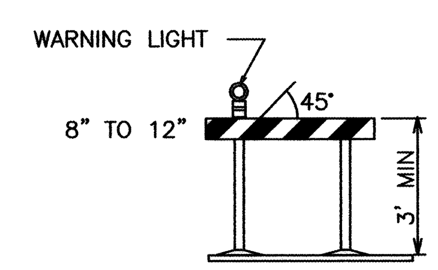
HIGH LEVEL WARNING DEVICE



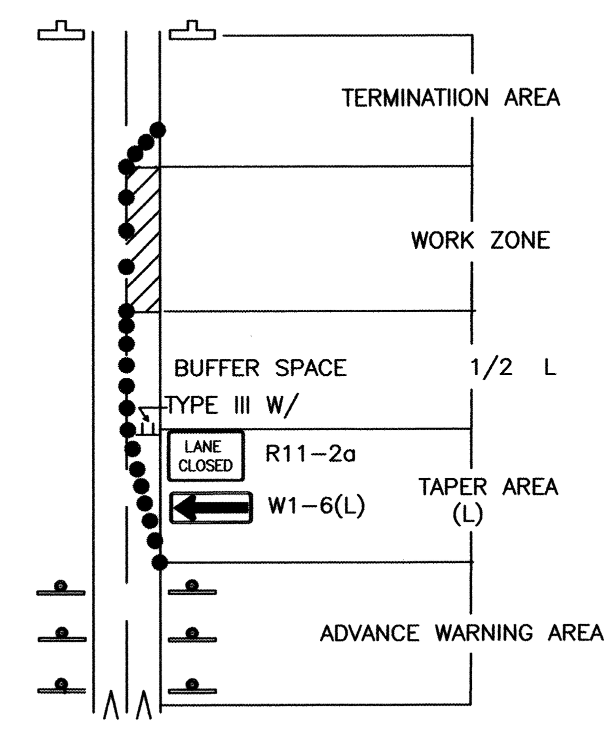
TYPE II BARRICADE COLLAPSIBLE



BARREL



TYPE I BARRICADE COLLAPSIBLE



TRAFFIC CONTROL ELEMENTS

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 STREET LIMIT OF THE STREET
- L — TAPER LENGTH – SEE CHART BELOW

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

TAPER REQUIREMENT

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

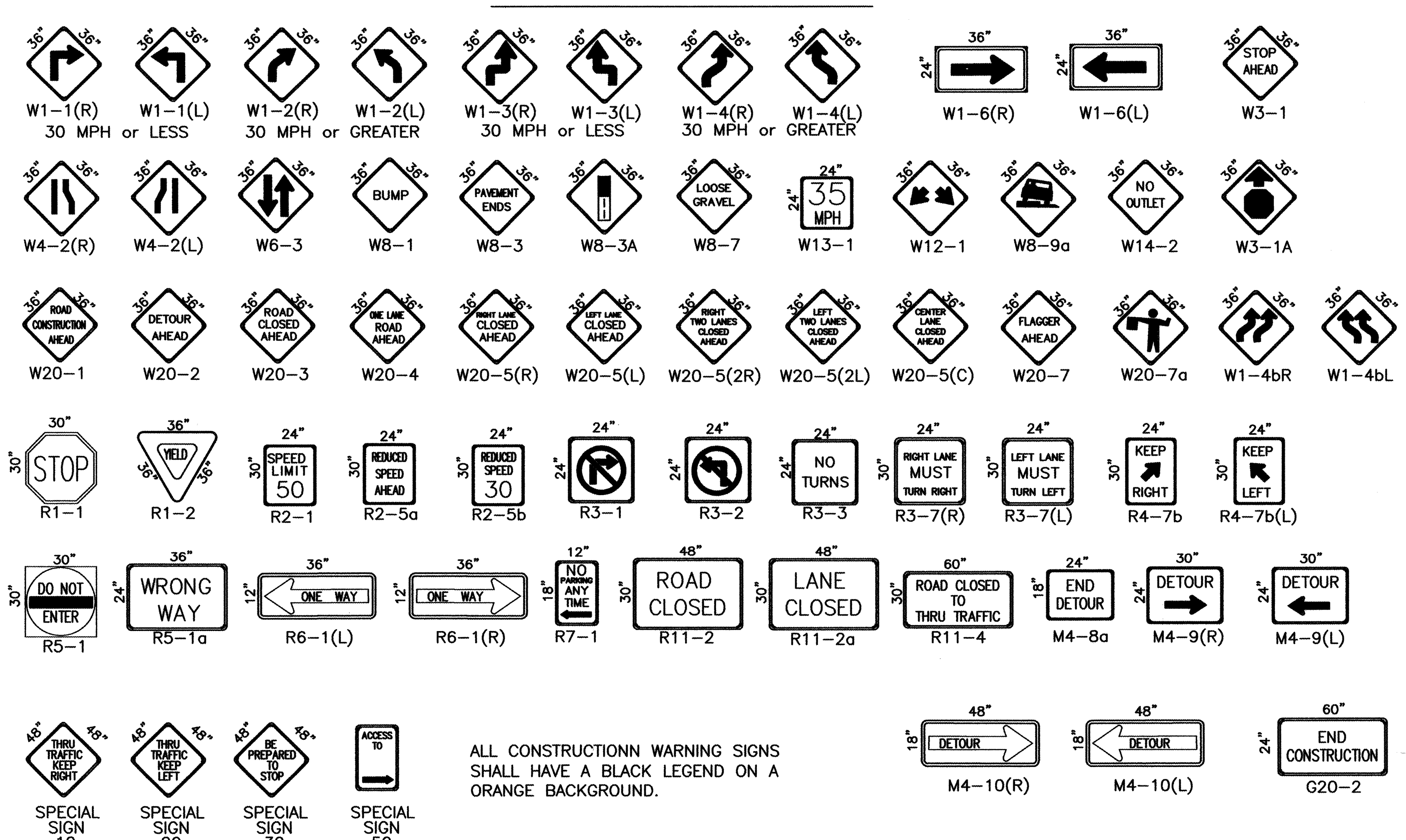
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
40 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 CONSTRUCTIONN WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

AS-BUILT INFORMATION
CONTRACTOR Sundance DATE
WORK STAKED BY AIS DATE
INSPECTOR'S ACCEPTANCE BY Dmg DATE 2/04
FIELD VERIFICATION BY AIS DATE 2/04
DRAWINGS CORRECTED BY AIS DATE 2/04
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION — FIELD NOTES — NO. | BY | DATE

ENGINEER'S SEAL — C.O.A. STANDARD

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 BOHANNAN HUSTON DATE 5-97
DRAWN BY BOHANNAN HUSTON DATE 5-97
CHECKED BY BOHANNAN HUSTON DATE 5-97

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: *THE CARMEL SUBDIVISION TRAFFIC CONTROL*

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
C.O.A. STANDARD	C.O.A. STANDARD			

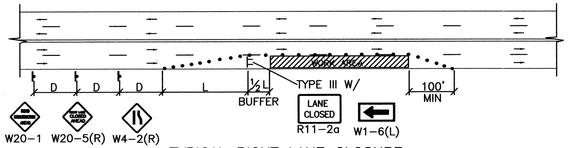
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
721481	C-18	12	13

26 7214.81 1204

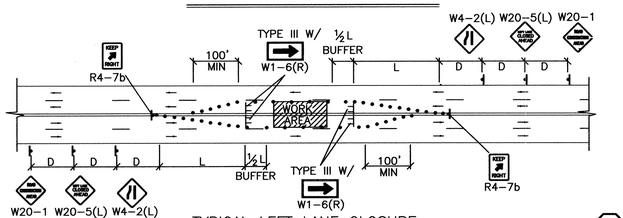
CITYSIGN.DWG 6-11-97

[BHI-MAIN\PROJECTS\97177\TRANS\DESIGN\SIGNAL]CITYSIGN.DWG

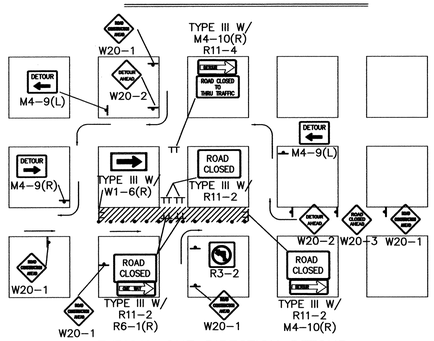
F:\A03JOBS\A3037 carmel\citysign.dwg Fri Sep 19 10:27:14 2003 D. MARK GOODWIN & ASSOCIATES; PLTTED BY: ACH



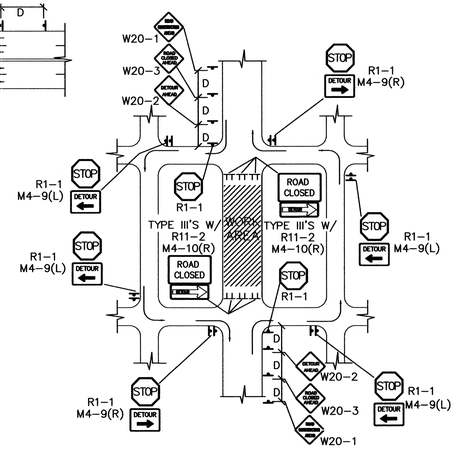
TYPICAL RIGHT LANE CLOSURE



TYPICAL LEFT LANE CLOSURE



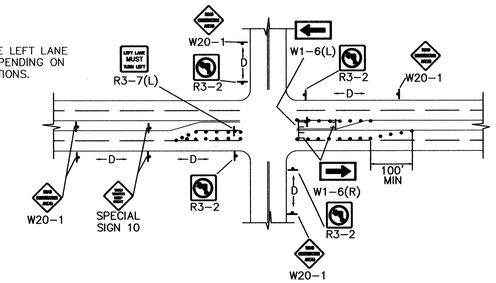
TYPICAL ONE DIRECTION DETOUR



TYPICAL STREET CLOSURE

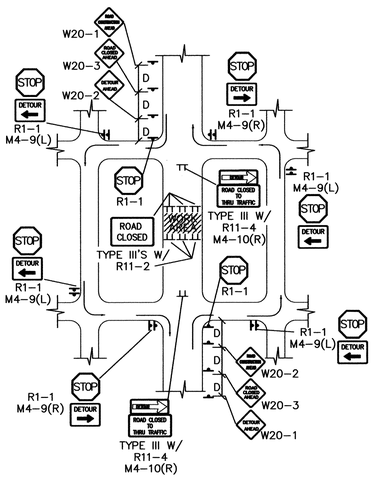
NOTE: (R1-1) BASED ON FIELD CONDITIONS.

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



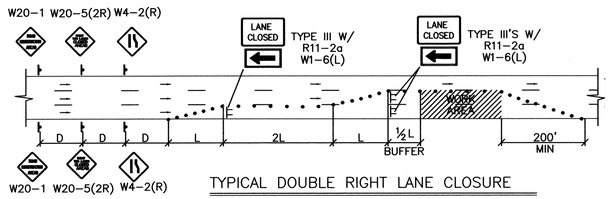
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION.

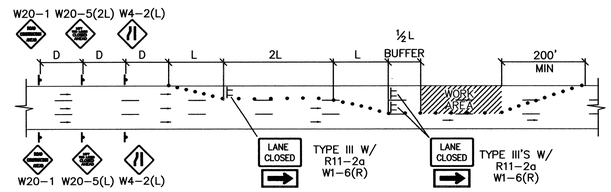


TYPICAL MID-BLOCK CLOSURE

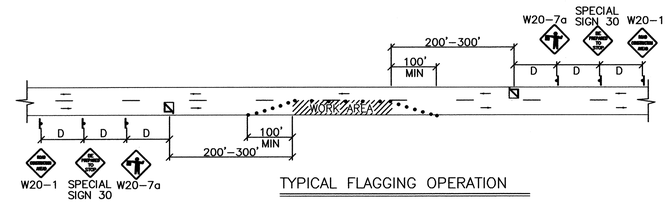
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



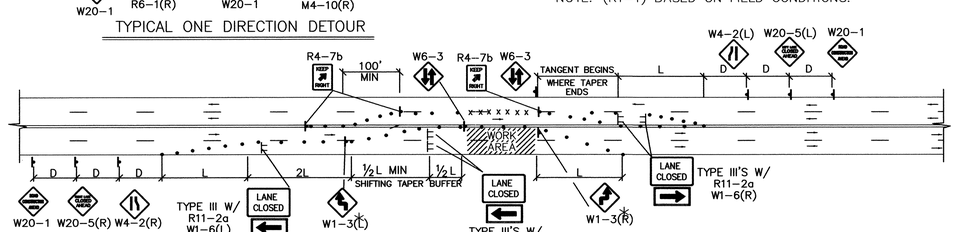
TYPICAL DOUBLE RIGHT LANE CLOSURE



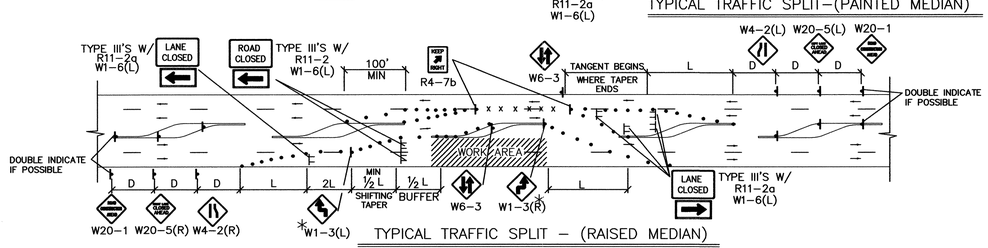
TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



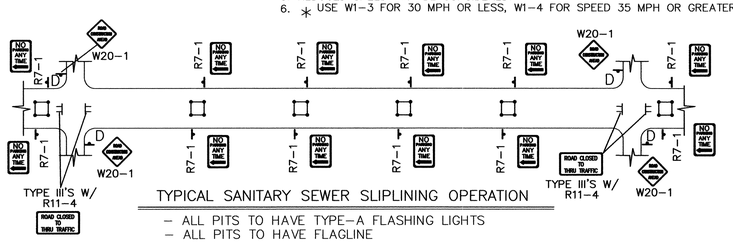
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



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 THE 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.



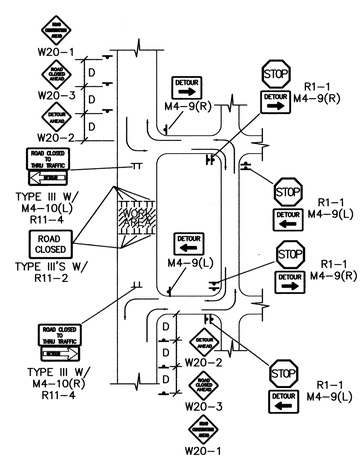
TYPICAL SANITARY SEWER SLIPLINING OPERATION

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

GENERAL NOTE:

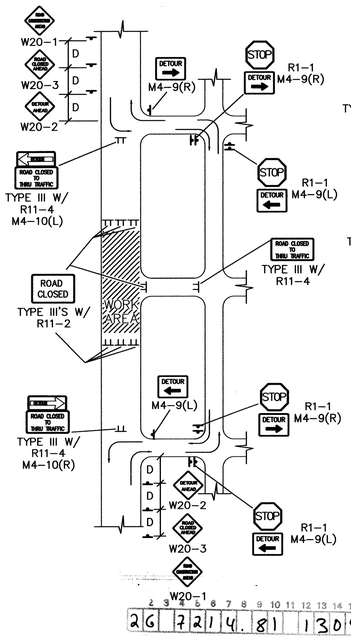
ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

⚠ 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.



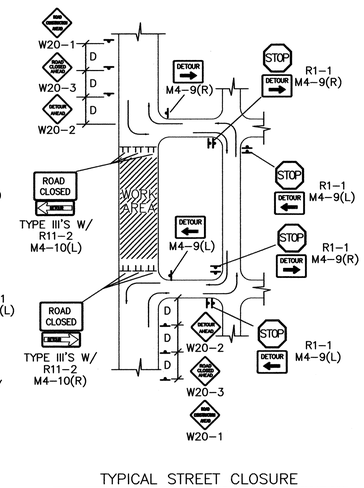
TYPICAL STREET CLOSURE

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.

AS-BUILT INFORMATION
CONTRACTOR Sundance
WORK STAKED BY AIS DATE 2/24
INSPECTOR'S ACCEPTANCE BY Dave DATE 2/24
FIELD VERIFICATION BY AIS DATE 2/24
DRAWINGS CORRECTED BY AIS DATE 2/24

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

C.O.A. STANDARD

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1	9/24/97	REVISED GENERAL NOTE	J.D.L.

REVISIONS

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DESIGNED BY BOHANNAN HUSTON DATE 5-97
DRAWN BY BOHANNAN HUSTON DATE 5-97
CHECKED BY BOHANNAN HUSTON DATE 5-97

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: *THE CARMEL SUBDIVISION TRAFFIC CONTROL*

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
C.O.A. STANDARD	C.O.A. STANDARD			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
721481	C-18	13	13

SCANNED BY MESA REPRO

F:\A03JOBS\43037 carmel\cityhraf.dwg Fri Sep 19 10:27:38 2003 D. MARK GOODWIN & ASSOCIATES; PLITED BY: ACH

[BHI-MAIN\PROJECTS\97177\TRANS\DESIGN\SIGNAL]CITYTRAF.DWG

CITYTRAF.DWG 6-11-97

CPN 721481

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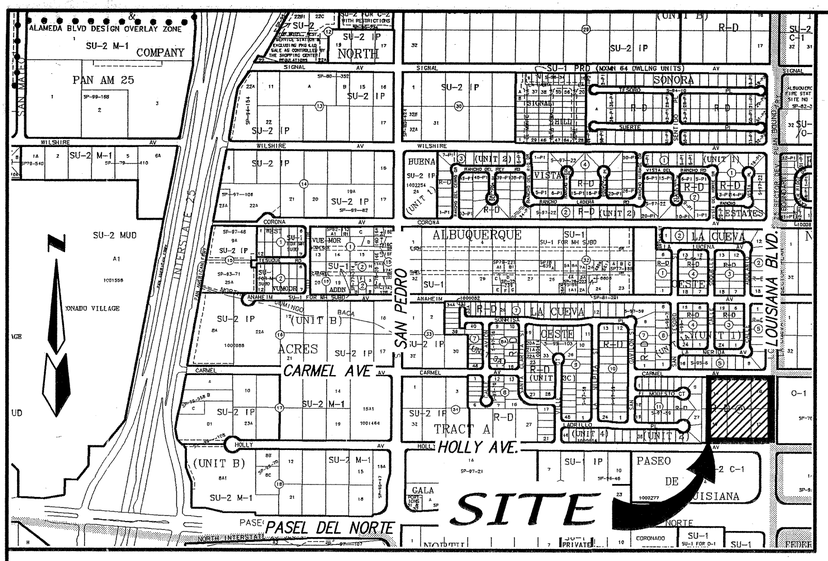
6924998
Page: 1 of 4
01/28/2004 03:49P
Mary Herrera Bern. Co. PLAT R 22.00 Bk-2004C Pg-30

PLAT FOR
CARMEL SUBDIVISION
WITHIN THE
ELENA GALLEGOS GRANT
PROJECTED SECTION 13
TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
NOVEMBER, 2003



LOCATION MAP
ZONE ATLAS C-18-Z
SCALE: NONE

SUBDIVISION DATA

Gross acreage	6.0088 AC
Zone Atlas No.	C-18-Z
No. of existing Tracts/Lots	6 LOTS
No. of Tracts/Lots created	7 TRACTS/29 LOTS
No. of Tracts/Lots eliminated	6 LOTS
Miles of full width streets created	0.20
Area dedicated to the City of Albuquerque	2.1718 AC
Date of Survey	MAY, 2003
Utility Control Location System Log Number	2003192358

FREE CONSENT AND DEDICATION:

The subdivision hereon described is with the free consent and in accordance with the desires of the undersigned owner(s) and/or proprietor(s) thereof and said owner(s) and/or proprietor(s) do hereby dedicate all streets, public right-of-ways shown hereon to the City of Albuquerque in fee simple with warranty covenants and do hereby dedicate portions of Carmel Ave. NE, Louisiana Blvd. NE and Holly Ave. NE, in fee simple Without warranty covenants and do hereby grant: all access, utility and drainage easements shown hereon including the right to construct, operate, inspect, and maintain facilities therein; and all public utility easements shown hereon for the common and joint use of gas, electrical power and communication services for buried 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(s) and/or proprietor(s) do hereby consent to all of the foregoing and do hereby certify that this subdivision is their free act and deed. Said owners(s) warrant that they hold among them complete and indefeasible title to the land subdivided.

D. R. HORTON, INC
BY: J. MARK FERGUSON, DIVISION PRESIDENT

J. Mark Ferguson — 12/10/03
J. Mark Ferguson, Division President — Date

OWNER'S ACKNOWLEDGMENT

STATE OF NEW MEXICO
SS
COUNTY OF BERNALILLO

OFFICIAL SEAL
KATHRYN CHAVEZ-ELWELL
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires 10-14-05

This instrument was acknowledged before me on December 10, 2003
By J. Mark Ferguson, Division President of D.R. Horton, Inc. a Delaware Corporation, on behalf of said corporation.

Kathryn Chavez-Elwell — 10-14-05
NOTARY PUBLIC — MY COMMISSION EXPIRES

LEGAL DESCRIPTION

A tract of land situate within the Elena Gallegos Grant, projected Section 13, Township 11 North, Range 3 East, New Mexico Principal Meridian, City of Albuquerque, Bernalillo County, New Mexico being all of LOTS 14 thru 19, BLOCK 34, TRACT A, UNIT B, NORTH ALBUQUERQUE ACRES as the same is shown and designated on said plat filed for record in the office of the County Clerk of Bernalillo County, New Mexico on April 24, 1936 in Volume D, Folio 130 and containing 6.0088 (GROSS) acres more or less.

EXCEPTING THEREFROM a tract of land as described in WARRANTY DEED filed for record in the office of the County Clerk of Bernalillo County, New Mexico on July 24, 1996 in Book 96-20, Page 2801-2802 and containing 0.2782 acres more or less for 5.7306 acres (NET).

NOTES
(SEE SHEET 2)

PURPOSE OF PLAT

1. Subdivide six (6) existing lots into 29 Residential Lots and 7 Tracts.
2. Grant new easements as shown hereon.
3. Dedicate Right-of-way as shown hereon.
4. Vacate Right-of-way as shown hereon

2 3 4 5 6 7 8 9 10 11 12 13 14 15
216-72714.811-2012

SCANNED BY PLANNING

APPROVED AND ACCEPTED BY:

APPROVAL AND CONDITIONAL ACCEPTANCE as specified by the Albuquerque subdivision Ordinance, Chapter 14 Article 14 of the Revised Ordinances of Albuquerque, New Mexico, 1994.

Project Number: 1000072

Application Number: 04DRB-00033(FP)

PLAT APPROVAL

Utility Approvals:

Leonard G. Martz — PNM Electric Services	1-16-04 Date
Leonard G. Martz — PNM Gas Services	1-16-04 Date
David R. Muller — Qwest	1-16-04 Date
Rita Erickson — Comcast	12-17-03 Date

City Approvals:

City Surveyor	12-17-03 Date
Real Property Division	1-14-03 Date
Traffic Engineering, Transportation Division	1-27-04 Date
Utilities Development	1-21-04 Date
Christina Sandoval — Parks and Recreation Department	1/21/04 Date
AMAFCA	1-22-04 Date
City Engineer	1/21/04 Date
DRB Chairperson, Planning Department	1/27/04 Date

THIS IS TO CERTIFY THAT TAXES ARE CURRENT AND
PAID ON UPC #: See attachment for UPCs
PROPERTY OWNER OF RECORD: Tax Certificate
DR Horton Inc
BERNALILLO COUNTY TREASURER'S OFFICE
1-28-04

SURVEYOR'S CERTIFICATION

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

TIMOTHY ALDRICH — NEW MEXICO — 7719 — PROFESSIONAL LAND SURVEYOR

Timothy Aldrich P.S. No. 7719 — 12-15-03
Date

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

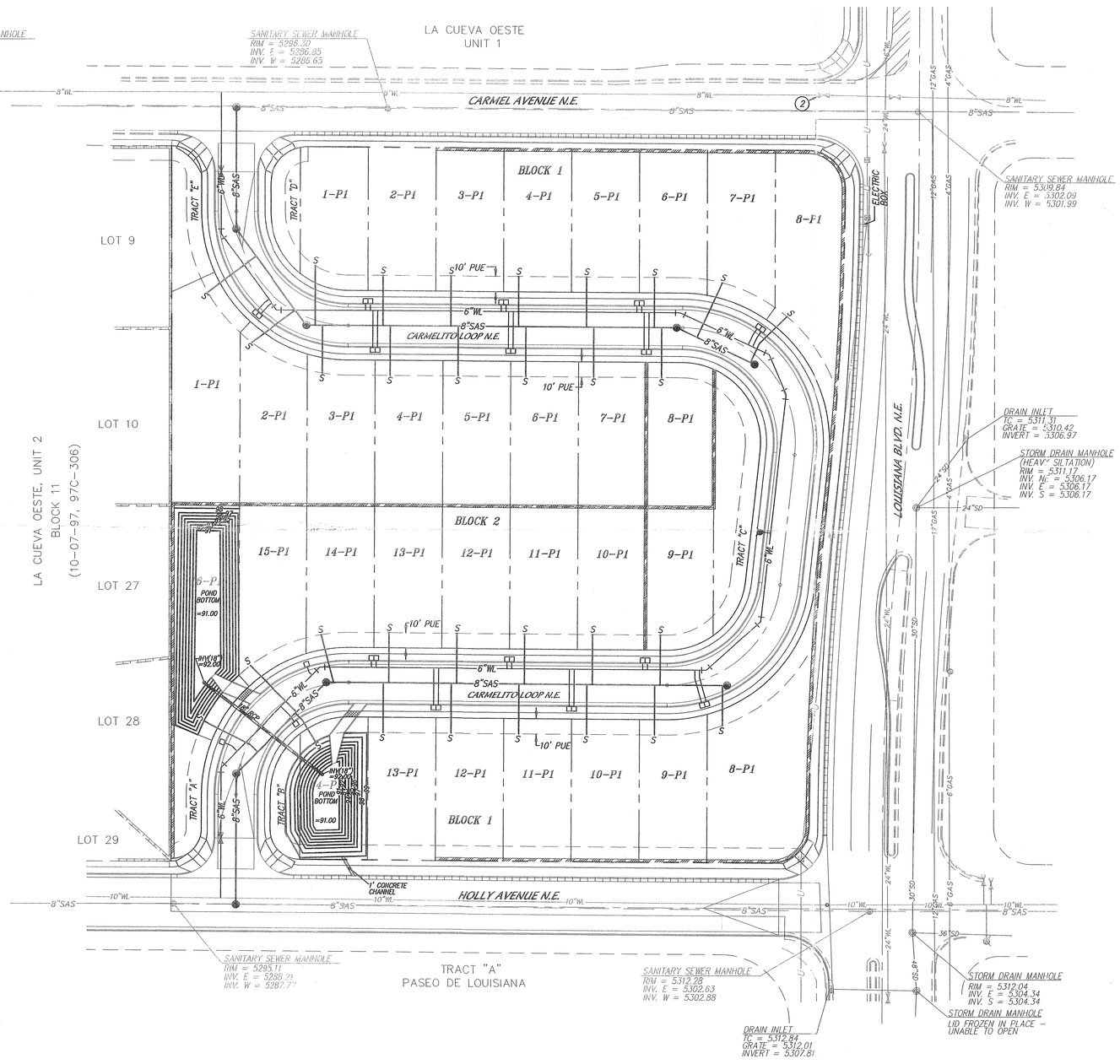
Dwg:	COVER.dwg	Drawn:	STEPHEN	Checked:	ALS	Sheet	1 of 4
Scale:	AS SHOWN	Date:	11/10/03	Job:	A03037		

F:\A03JOBS\A3037 carmel\FINAL PLAT\COVER.dwg

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

216-172/14.811-2012

SCANNED BY PLANNING



VALVE SHUT-OFF PLAN

1. CONTRACTOR WILL CONTACT WATER SYSTEMS AT 857-8200, SEVEN (7) DAYS PRIOR TO NECESSARY SHUT-OFF.
2. VALVES SHALL ONLY BE OPERATED BY CITY WATER EMPLOYEES SEE THIS SHEET FOR VALVE NUMBERS & LOCATIONS.
3. VALVES (1) THROUGH (4) WILL NEED TO BE SHUT FOR THE CONNECTIONS.

LEGEND

TC= / FL= x 00.0	EXISTING SPOT ELEVATION
	EXISTING CONCRETE CURB
	EXISTING WALL OR HEAD WALL
	EXISTING STORMDRAIN MANHOLE
	EXISTING SANITARY SEWER MANHOLE
	EXISTING FIRE HYDRANT
	EXISTING ELECTRIC TRANSFORMER
E E	EXISTING OVERHEAD ELECTRIC LINE
	EXISTING POWER POLE
	EXISTING TELEPHONE BOX
24"WL	EXISTING WATERLINE
8"SAS	EXISTING SAS LINE
30"SD	EXISTING STORMDRAIN
12"GAS	EXISTING GAS LINE
U U	EXISTING UTILITY LINE
	NEW CURB & GUTTER
	NEW STANDARD CURB & GUTTER
	NEW SIDEWALK
	NEW RIGHT-OF-WAY
	NEW CENTERLINE
	NEW LOT LINES
	NEW EASEMENTS
	NEW RETAINING WALL
	NEW WATERLINE
	NEW SAS
	NEW STORM DRAIN
	NEW GATE VALVE
	NEW FIRE HYDRANT
	NEW WATER METERS
	NEW WATERLINE BEND
	NEW WATERLINE CAP
S	NEW SAS SERVICES

AMD PLANS CHECKING OFFICE
924-3611
APPROVED/DISAPPROVED
HYDRANT(S) ONLY
5-17-03
SIGNATURE & DATE

N

40' 20' 0 40' 80'

SCALE: 1" = 40'

A3037CARMEL/A3037MUTI/07-23-03/ACH

AS BUILT INFORMATION

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

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

ACS MONUMENT "10-D18"
Y=1515687.39
X=404876.27
G-G=0.9996560
$\Delta\alpha$ = -00°11'00"
CENTRAL ZONE
(NAD 1927/SLD 1929)
ELEVATION=5319.15

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN		DATE
DESIGNED BY	GK	05/03
DRAWN BY	ACH	05/03
CHECKED BY	DMG	05/03

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE:

THE CARMEL SUBDIVISION MASTER UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
72148	C-18	9	13