DEVELOPMENT PLANS
FOR
LA LUZ DEL OESTE
UNIT 4
TRACTS I AND J

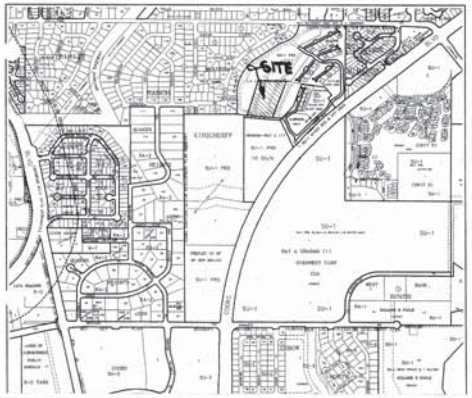
UTILITY COMPANY CONTACTS

BUSINESS	PHONE/E-MAIL	PERSON
AT&T 111 3rd Street NW Alb., NM 87103	Office phone: (505)842-2911 Office fax: (505)842-2890 dcrowel@att.com	David Crowell Resource Supervisor
Comcast 4611 Montbel NE Alb., NM 87107	Office phone: (505)761-6235 Office fax: (505)761-0599 rita_erickson@cable.comcast.com	Rita Erickson Planning and Design Supervisor
E.Spire 505 Marquette NW, Suite 1605 Alb., NM 87102	Office phone: (505)998-2274 Office fax: (505)998-9161 john.mores@espire.net	John Mores
Genuity 5221 N. O'Connor MC:HQL11A22 Irving, TX 75039	Office phone: (972)791-3277 Office fax: (972)791-3178 Cell phone: (214)912-3412 dennis.poulsen@genuity.com	Dennis Poulsen OSP Engineering
MCI Worldcom 3700 Singer NE, Suite A Alb., NM 87109	Office phone: (505)346-4476 Office fax: (505)346-4481 andy.darnell@wcom.com	Andy Darnell Operations Manager
McLeodUSA 505 Marquette NW, Suite 1600 Alb., NM 87102	Office phone: (505)244-3161 Office fax: (505)244-0094 Cell Phone: (505)228-3329	Rick Mueller Supervisor of Outside Techs.
Albuquerque Benalillo County Water Utility Authority One Civic Plaza NW, Rm. 5027 Albuquerque, NM 87102	Office phone: (505)768-2729 Office fax: (505)768-3629	Nancy Muzinski Senior Utility Engineer
PNM-Electric 4201 Edith NE Alb., NM 87107	Office phone: (505)241-3490 Office fax: (505)241-3620 Cell phone: (505)934-8818 warthur@pnm.com	Warren Arthur Engineering Representative III
PNM-Gas 4625 Edith NE Alb., NM 87107	Office phone: (505)241-7752 Office fax: (505)241-7753 Pager: (505)790-5575 kbauska@pnm.com	Kelly Bauska District Engineer
Qwest 210 3rd Street NW, Suite 700 Alb., NM 87102	Office phone: (505)245-8706 Office fax: (505)245-6831 dmuller@uswest.com	David Muller Capacity Provisioning Specialist
Time-Warner Telecom 3830 Singer NE, Suite 1000 Alb., NM 87109	Office phone: (505)938-7339 Office fax: (505)938-7380 Royal.Harrison@twtelecom.com	Royal Harrison Plant Manager

GENERAL NOTES

1. All work detailed on these plans to be performed under this contract shall, except as otherwise stated or provided for herein, be constructed in accordance with the details and specifications of "City of Albuquerque Standard Specifications for Public Works Construction, 1986 Edition" as amended through update No. 7.
2. An Excavation Permit and Grading and Paving Permit will be required before beginning any work within City right-of-way.
3. Two working days prior to any excavation, the Contractor shall contact the New Mexico One Call System, 260-1990, for location of existing lines.
4. All street striping altered or destroyed shall be replaced with plastic reflectorized pavement markings by the Contractor. Striping shall be placed in the pre-construction location or as indicated by this plan set.
5. Prior to construction, the Contractor shall excavate and verify the horizontal and vertical location of all obstructions including existing utilities. Should a conflict exist, the Contractor shall notify the Engineer or Surveyor so that the conflict can be resolved with a minimum amount of delay.
6. Contractor shall coordinate with Water Systems Division (857-8200) seven 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 working days prior to needing valves turned on or off.
7. All water lines to be PVC C900 and all sanitary sewer lines are to be PVC SDR 35 pipe.
8. The Contractor will not be allowed to use Class IV or V soils for embedment of flexible pipe. The Contractor will not be allowed to deflect joints in flexible pipe. Any deflections required to meet horizontal or vertical alignment will be achieved between joints.
9. Back fill compaction requirements shall be according to residential street use.
10. The Contractor shall assume responsibility for any damage to existing pavement, pavement markings, curb and gutter, drivepads, wheel chair ramps and sidewalk during construction, apart from those sections indicated for removal on the plans; and shall repair or replace damaged items per City of Albuquerque standards at the Contractor's own expense.
11. 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 has been recorded.
12. All existing signs, markers, delineators, etc., within the construction limits shall be removed, stored and reset by the Contractor in coordination with City Traffic Operations.
13. The Contractor shall notify the City Surveyor not less than seven (7) days prior to starting work in order that the Contractor 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. Refer to section 4.4 of the General Conditions of the Standard Specifications, Update # 7.
14. The Contractor will be responsible for disposing of all debris, including but not limited to hazardous waste at disposal sites approved by governmental agencies regulating the disposal of such materials.
15. All excavation will be governed by Federal State and Local laws, rules and regulations concerning construction safety and health.
16. All signs and coding will be in accordance with the "Manual of Uniform Traffic Control Devices" 2003 Edition.
17. When abutting new pavement to existing intersection streets, saw cut existing pavement to a straight line and at right angles and remove any broken or cracked pavement. No direct payment will be made for saw cutting.
18. Contractor will make all water valves and manholes accessible to the City at all times.
19. Contractor will confine his work, equipment, supplies and employee parking within the designated construction limits and/or public right-of-way.
20. The Contractor agrees to take necessary safety precautions as required by Federal, State and Local Authorities to protect pedestrian and vehicular traffic in the construction area, which includes but is not limited to: maintaining adequate warning signs, barricades, lights, guard fences, walks and bridges.
21. Developer and Contractor shall be responsible for providing and maintaining all signing and striping for the private streets.
22. All excavating, trenching and shoring activities must be carried out in accordance with OSHA 29CFR 1926.650, Subpart P.
23. The Contractor shall perform all work in accordance with the National Pollutant Discharge Elimination System (NPDES) and site specific Storm Water Pollution Prevention Plan (SWPPP) requirements.
24. EMD's shall be intalled on all water and sewer facilities is accordance with Standard Specification No. 170.
25. **Developer shall be responsible for providing & maintaining all signs and striping.**
26. **Contractor will be responsible for providing all construction signing until the project has been accepted by the COA.**
27. **Should a conflict exist** between these plans and actual field conditions, the contractor shall promptly notify **the engineer in writing**, so that the conflict can be resolved with a minimum amount of delay for all parties.
28. Five (5) **days prior** to beginning construction, the contractor shall submit to the Construction Coordination **Division a detailed** construction schedule. Two (2) working days prior to construction, the contractor **shall** obtain a barricading permit from the Construction Coordination Division

VICINITY MAP NO. F-11



SHEET INDEX

SHEET NO.	SHEET DESCRIPTION
1	COVER SHEET
2-3,3A	PLAT
4-5	GRADING AND DRAINAGE PLANS FOR INFORMATION ONLY
6	STREET LAYOUT
7	STREET DETAILS
8	WATER LAYOUT
9-10	STREET & WATER PLAN AND PROFILE
11	SEWER LAYOUT
12-13	SEWER PLAN AND PROFILE

Guy Jackson & Associates, LLC
10522 Florence Ave. NE
Albuquerque, NM 87122
505-235-1426, 821-5798(f)

REV.	SHEETS	CITY ENGR.	DATE	USER DEPT.	DATE	USER DEPT.	DATE

Responsible for work in basis based in "Project Plan" only

GUY C. JACKSON NEW MEXICO 11269 REGISTERED PROFESSIONAL ENGINEER

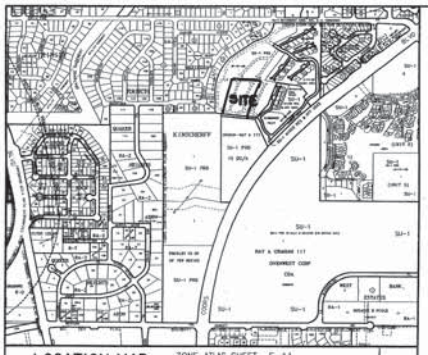
APPROVAL	ENGINEER	DATE
CITY DRC CHAIRMAN		9/6/07
CITY WATER/WASTEWATER		8/6/07
CITY TRANS. DEV.		7/30/07
CITY HYDROLOGY		8-8-07

APPROVED FOR CONSTRUCTION

ENGINEER DATE 9-26-07

CITY PROJECT NO. 676385

SHEET 1 OF 13

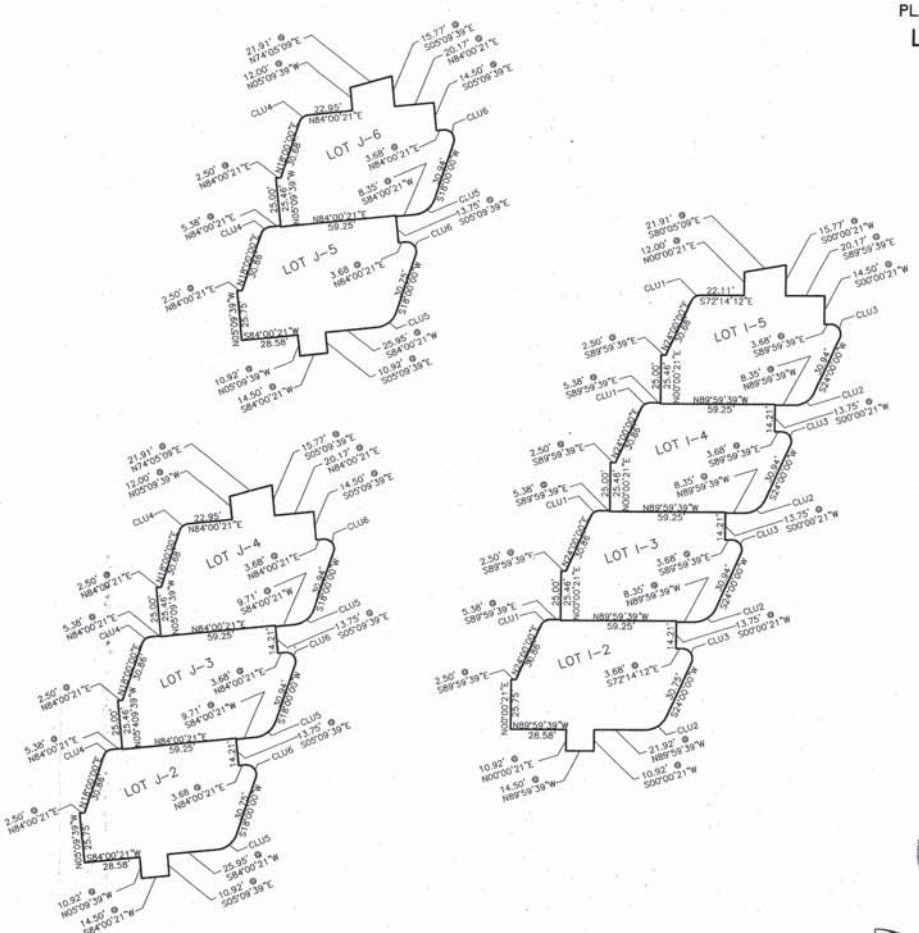

SITE
KINDERCARE
SU-1 PRD
SU-1
SU-1 PRD IS SU-1
PRIVATE ROAD
RAY A. GRAHAM III
CHERRYHURST CORP
CDA
WEST
BANK
DRIVE
SU-1
SU-1 PRD
SU-1
SU-1
SU-1

PLAT OF LOTS I-1 THRU I-5 & J-1 THRU J-6

LA LUZ DEL OESTE, UNIT 4

ALBUQUERQUE, NEW MEXICO

APRIL, 2007



CURVE TABLE

CURVE	DELTA	RADIUS	ARC	CHORD	CHD BRG
USING UNITS					
CLU1	66°00'21"	5.00'	5.76'	5.45'	N57°00'11"E
CLU2	66°00'21"	12.00'	13.82'	13.07'	S57°00'11"W
CLU3	113°59'39"	5.00'	9.95'	8.39'	S32°59'49"E
CLU4	66°00'21"	5.00'	5.76'	5.45'	N51°00'11"E
CLU5	66°00'21"	12.00'	13.82'	13.07'	S51°00'11"W
CLU6	113°59'39"	5.00'	9.95'	8.39'	S38°59'49"E

N

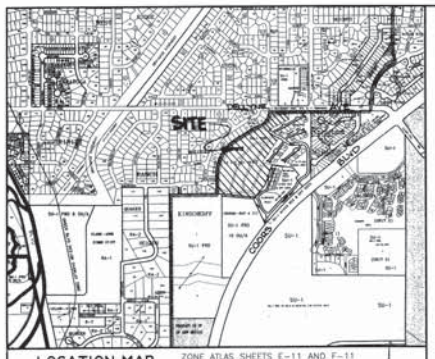
SCALE = N.T.S.

REGISTERED PROFESSIONAL LAND SURVEYOR 8110 NEW MEXICO

BORDENAVE DESIGNS
P.O. BOX 91194, ALBUQUERQUE, NM 87199
(505)823-1344 FAX (505)821-9105

SHEET 3 OF 3

CPN 676 385 Sheet 3 of 13


SITE
COORS
BLVD
KINSCHERFF
SU-1 PRD
SU-1
SU-1 PRD
SU-1
SU-1
SU-1

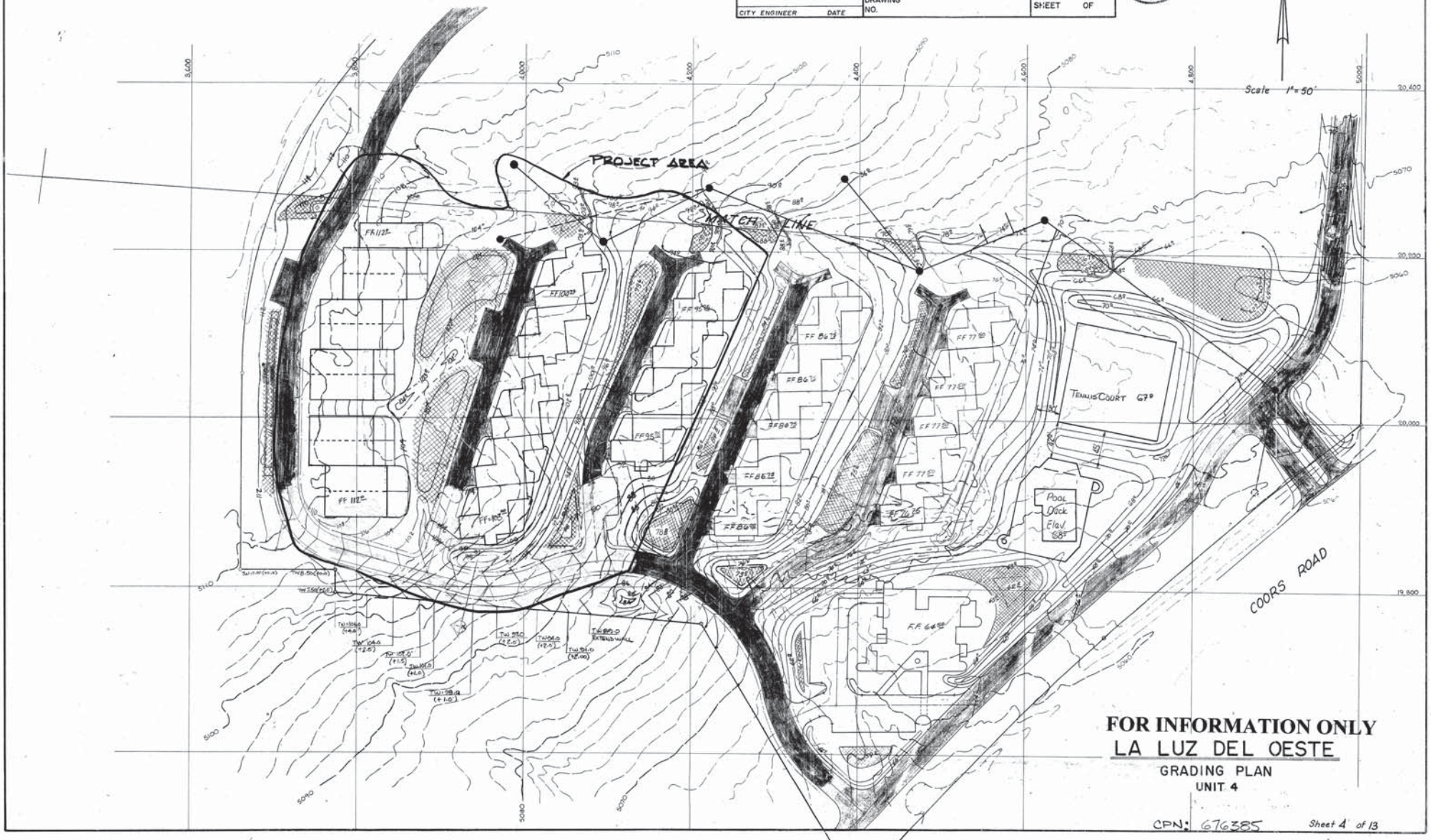
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE:					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		7/6/78	Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		
DRAWING NO.			SHEET OF		

APPROVED FOR ROUGH GRADING ± 1'.

CITY ENGINEER DATE

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE



FOR INFORMATION ONLY

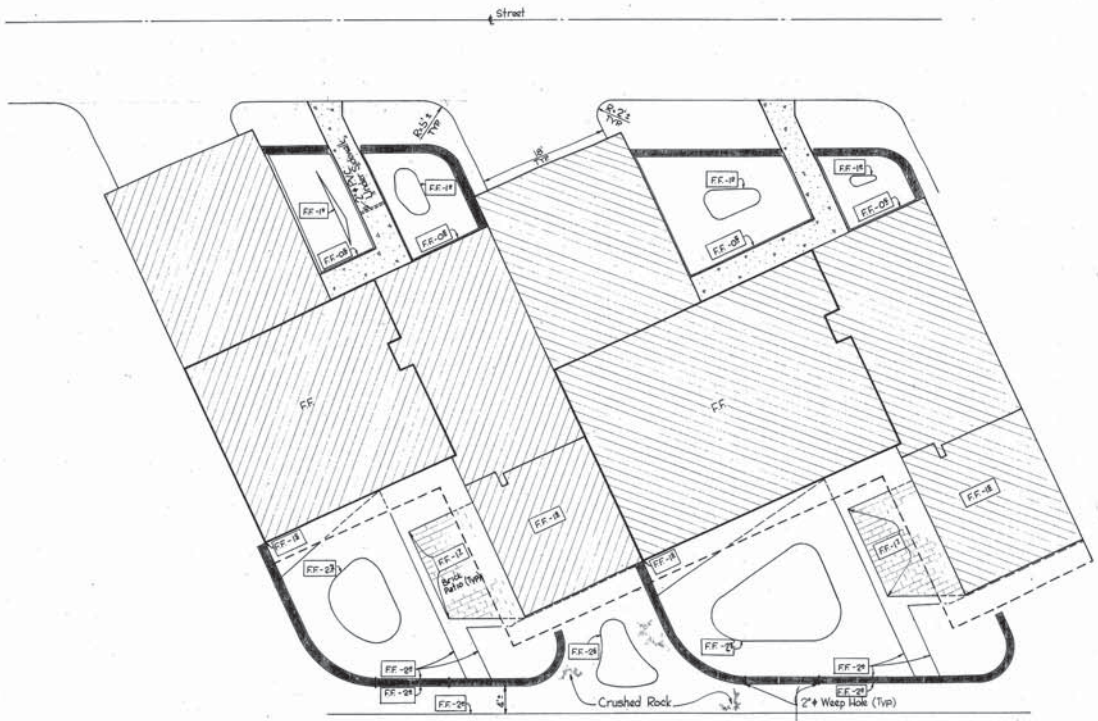
LA LUZ DEL OESTE

GRADING PLAN

UNIT 4

CPN: 676385

Sheet 4 of 13



FINAL GRADING PLAN

FOR INFORMATION ONLY

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: **LA LUZ DEL OESTE UNIT 4**
TYPICAL YARD GRADING DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology		7/6/77	Water		

DRAWING NO. 676385

SHEET 5 OF 13

AS-BUILT INFORMATION
CONTRACTOR
WORK ACCEPTED BY DATE
WORK CORRECTED BY DATE

MICRO-FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
NM 448 - No. Elev. 5058.89
NMSHC Brass tablet on the South side of State Road 448 (Coors Road N.W.) in the entrance to the La Luz Condominium

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

REFERENCES
MAP NO. F-11
EST. NO. W.O. NO.

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY: T.T. BURNETT ENGINEERING INC.
120 MORNINGSIDE DRIVE N.E.
ALBUQUERQUE, NEW MEXICO 87108
DATE:

T.T. B

REVISIONS

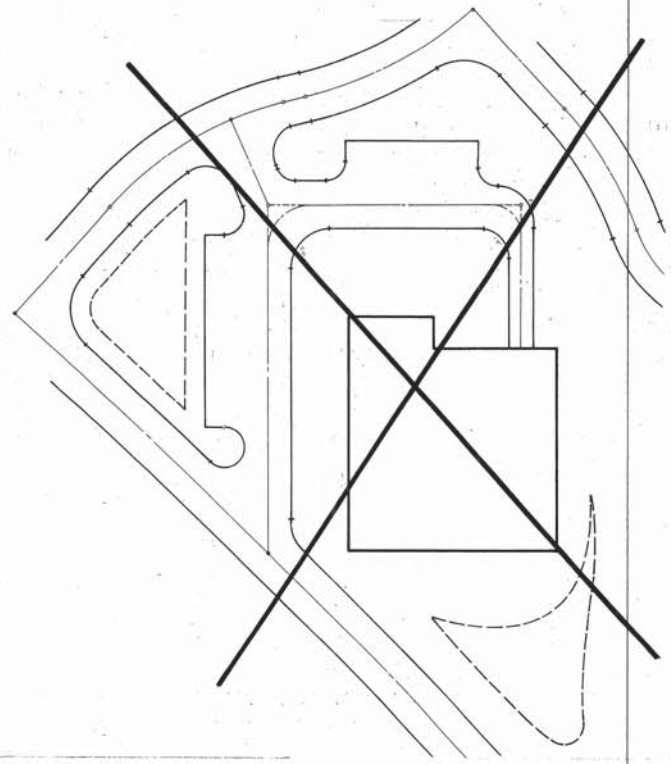
Revised grade on Mill Road, 2-22-80
See sheet 9 of 12.

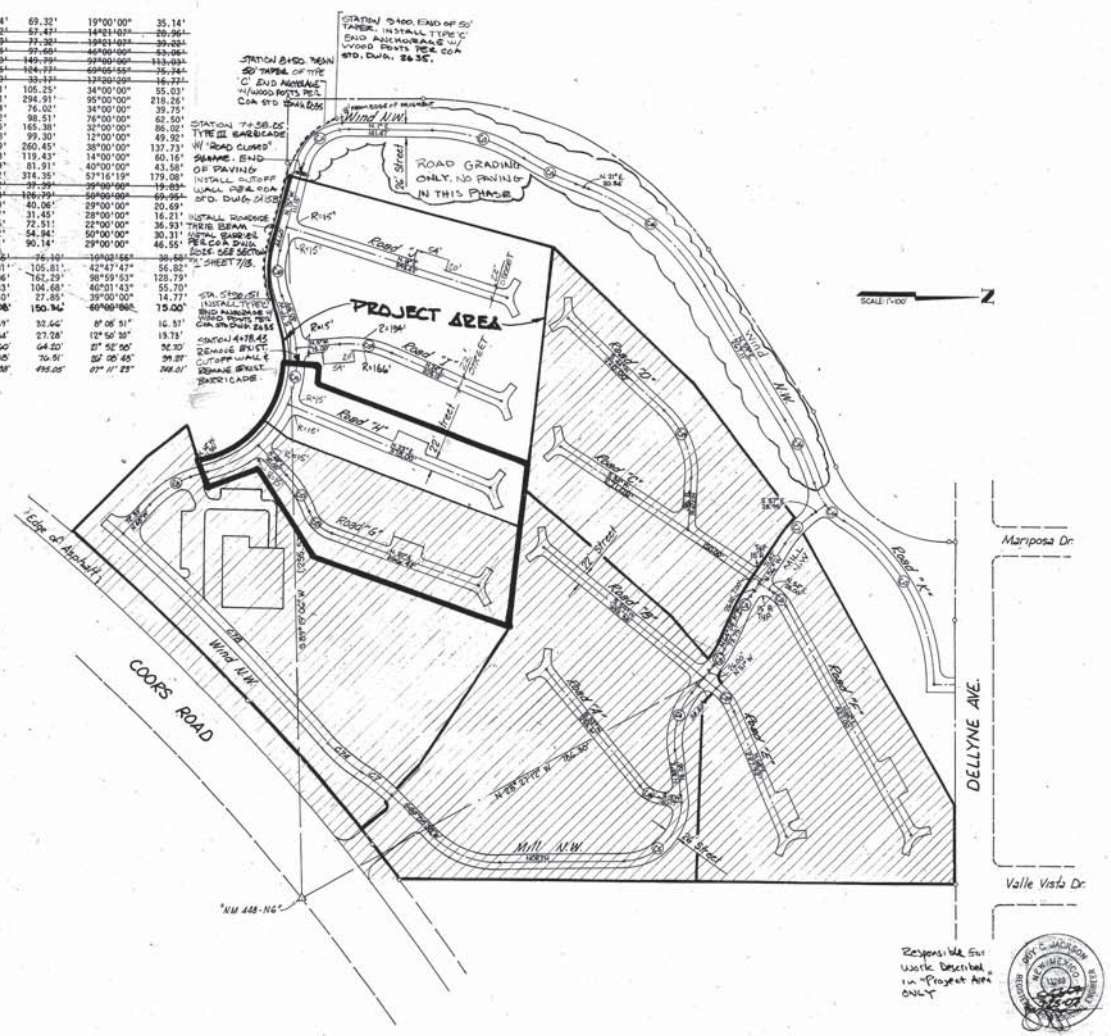
Revised grades on Roads A, B & E, 2-22-80
See sheet 11 of 12.

Revised alignment and grade on Wind Road from Curve No. 6 South

CURVE DATA

CURVE NO.	RADIUS	ARC	CHORD	DELTA	TANGENT
C 1	210.00'	69.64'	69.32'	19°00'00"	35.14'
~~C 2~~	~~230.02'~~	~~57.62'~~	~~57.47'~~	~~14°21'02"~~	~~28.96'~~
~~C 3~~	~~230.02'~~	~~77.69'~~	~~77.32'~~	~~19°21'02"~~	~~39.02'~~
~~C 4~~	~~125.00'~~	~~100.36'~~	~~97.68'~~	~~46°00'00"~~	~~53.06'~~
~~C 5~~	~~100.00'~~	~~169.30'~~	~~149.79'~~	~~97°00'00"~~	~~113.03'~~
~~C 6~~	~~110.00'~~	~~132.66'~~	~~124.77'~~	~~69°05'55"~~	~~75.74'~~
~~C 7~~	~~110.00'~~	~~33.29'~~	~~33.17'~~	~~17°20'29"~~	~~16.72'~~
C 8	180.00'	106.81'	105.25'	34°00'00"	55.03'
C 9	200.00'	331.61'	294.91'	95°00'00"	218.26'
C10	130.00'	77.14'	76.02'	34°00'00"	39.75'
C11	80.00'	106.12'	98.51'	76°00'00"	62.50'
C12	300.00'	167.55'	165.38'	32°00'00"	86.02'
C13	475.00'	99.48'	99.30'	12°00'00"	49.92'
C14	400.00'	265.29'	260.45'	38°00'00"	137.73'
C15	490.00'	119.73'	119.43'	14°00'00"	60.16'
C16	119.74'	83.59'	81.91'	40°00'00"	43.58'
C17	327.96'	327.82'	314.35'	57°16'19"	179.08'
~~C18~~	~~56.00'~~	~~38.12'~~	~~37.39'~~	~~39°00'00"~~	~~19.83'~~
~~C19~~	~~150.00'~~	~~130.90'~~	~~126.79'~~	~~50°00'00"~~	~~69.95'~~
C20	80.00'	40.49'	40.06'	29°00'00"	20.69'
C21	65.00'	31.77'	31.45'	28°00'00"	16.21'
C22	190.00'	72.95'	72.51'	22°00'00"	36.93'
C23	65.00'	56.72'	54.94'	50°00'00"	30.31'
C24	180.00'	91.13'	90.14'	29°00'00"	46.55'
~~C 3~~	~~229.96'~~	~~76.45'~~	~~76.10'~~	~~19°03'55"~~	~~38.58'~~
C 4	145.00'	108.31'	105.81'	42°47'47"	56.82'
C 5	110.00'	190.06'	162.29'	98°59'53"	128.79'
C 6	152.92'	106.83'	104.68'	40°01'43"	55.70'
C18	41.72'	28.40'	27.85'	39°00'00"	14.77'
~~C19~~	~~150.00'~~	~~151.08'~~	~~150.94'~~	~~60°00'00"~~	~~75.00'~~
C 2	230.02'	32.69'	32.66'	8°06'51"	16.37'
C 3	122.00'	27.34'	27.28'	12°50'30"	13.73'
C7	169.15'	64.00'	64.20'	21°58'00"	32.30'
C7A	169.15'	77.45'	76.51'	52°05'45"	39.87'
C7B	5947.72'	496.58'	496.05'	07°17'23"	248.21'





Responsible for waste described in "Project Area" ONLY

AS-BUILT INFORMATION	
CONTRACTOR	DATE
POSTED BY	
REVIEWED BY	DATE
CORRECTED BY	

MICRO-FILM INFORMATION	
RECORDED BY	DATE

BENCH MARKS	
NM 448-N6	Elev. 5058.89
NMSHC Brass tablet on the South side of State Road 448 (Coors Road N.W.) in the entrance of the La Luz Condominium.	

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE

REFERENCES	
MAP NO. F-11	
EST. NO.	W.O. NO.

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY: T.T. BURNETT ENGINEERING INC.
120 MORNINGSIDE DRIVE N.E.
ALBUQUERQUE, NEW MEXICO 87108

DATE:

JOHN C. JACKSON NEW MEXICO 11280 REGISTERED PROFESSIONAL ENGINEER

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: **LA LUZ DEL OESTE UNIT 4**
PAVING LAYOUT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	NA	
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water	NA	

DRAWING NO. 676385

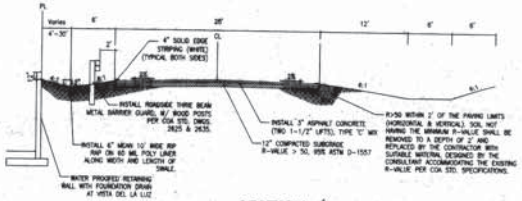
SHEET 6 OF 13

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

APPROVED SEP 06 2001 DRB/EPC REVIEW COMMITTEE

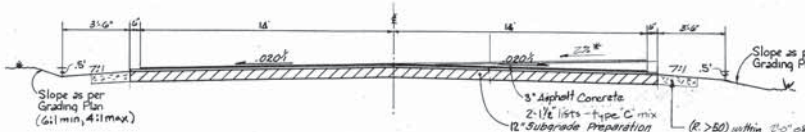
APPROVED SEP 24 2001 CITY ENGINEER



SECTION - 1

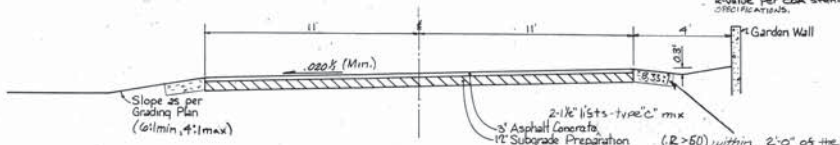
SCALE: 1" WIND N.W (STA 5+50.51 to 9+00)

* 2% CROSS SLOPE FROM EAST TO WEST ALONG WIND ROAD BETWEEN STATIONS 9+20.51 TO 20+10.50 W/ TRANSITIONS FROM 2% CROSS SLOPE TO CROWNED SECTION.



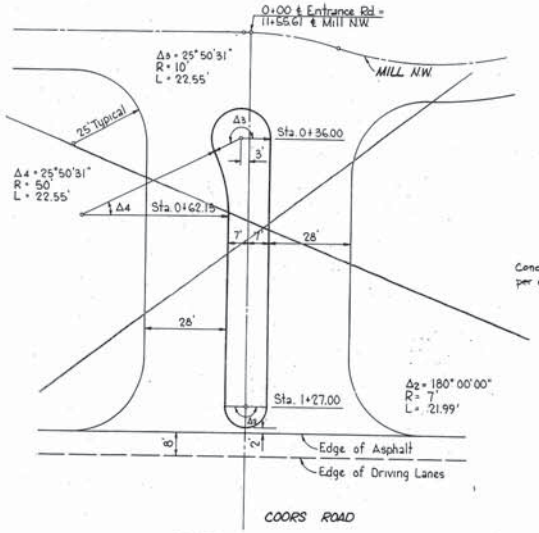
TYPICAL SECTION - 28' STREET

SCALE: 1"=8' (Wind N.W.)



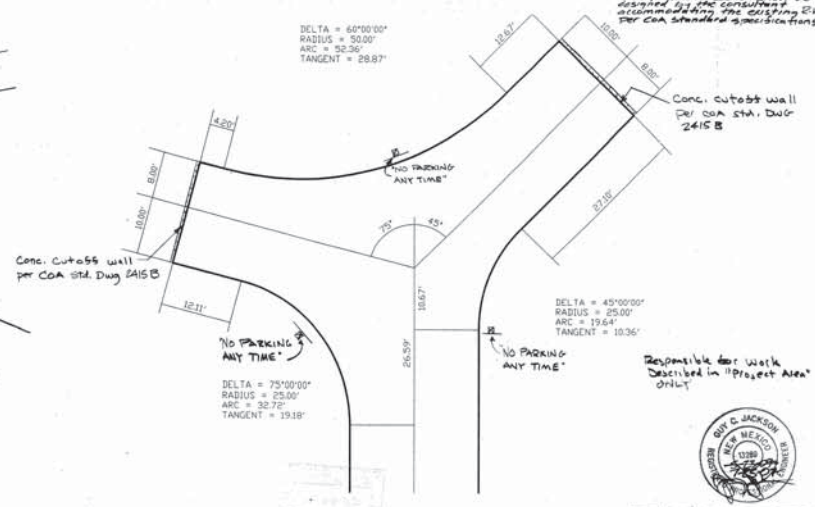
TYPICAL SECTION - 22' STREET

SCALE: 1"=8' (I & J streets)



ENTRANCE ROAD

SCALE: 1"=20'



TURNAROUND DETAIL

SCALE: .

AS-BUILT INFORMATION	
CONTRACTOR	DATE
WORK STAKED BY	DATE
CORRECTED BY	
MICRO-FILM INFORMATION	
RECORDED BY	DATE

BENCH MARKS

NM 448 N6 Elev. 5058.89

NMSHC Brass tablet on the South side of State Road 448 (Coors Road N.W.) in the entrance to the La Luz Condominium.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

REFERENCES

MAP NO. F-11

W.O. NO.

EST. NO.

NO.	DATE	REVISIONS	REMARKS	BY

DESIGNED BY: T.T. BURNETT ENGINEERING INC.
120 MORNINGSIDE DRIVE N.E.
ALBUQUERQUE, NEW MEXICO 87108

DATE:

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: LA LUZ DEL OESTE UNIT 4
DETAILS -

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	NA	
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water	NA	

DRAWING NO. G76385

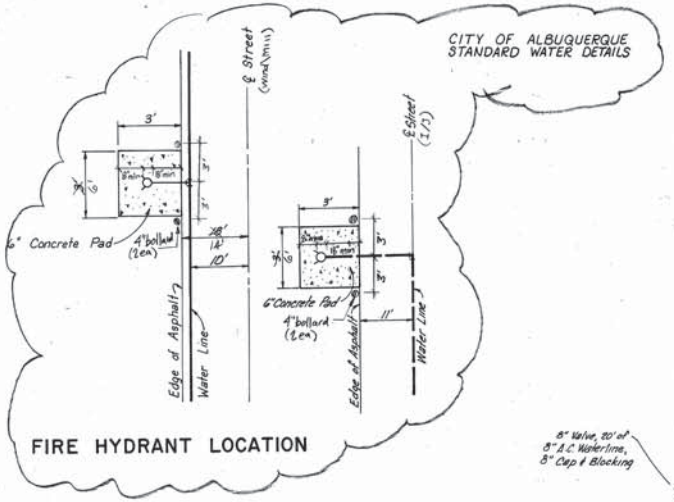
SHEET 7 OF 13

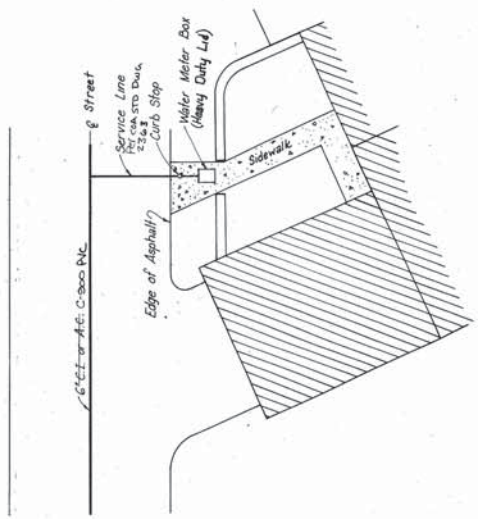
APPROVED FOR CONSTRUCTION

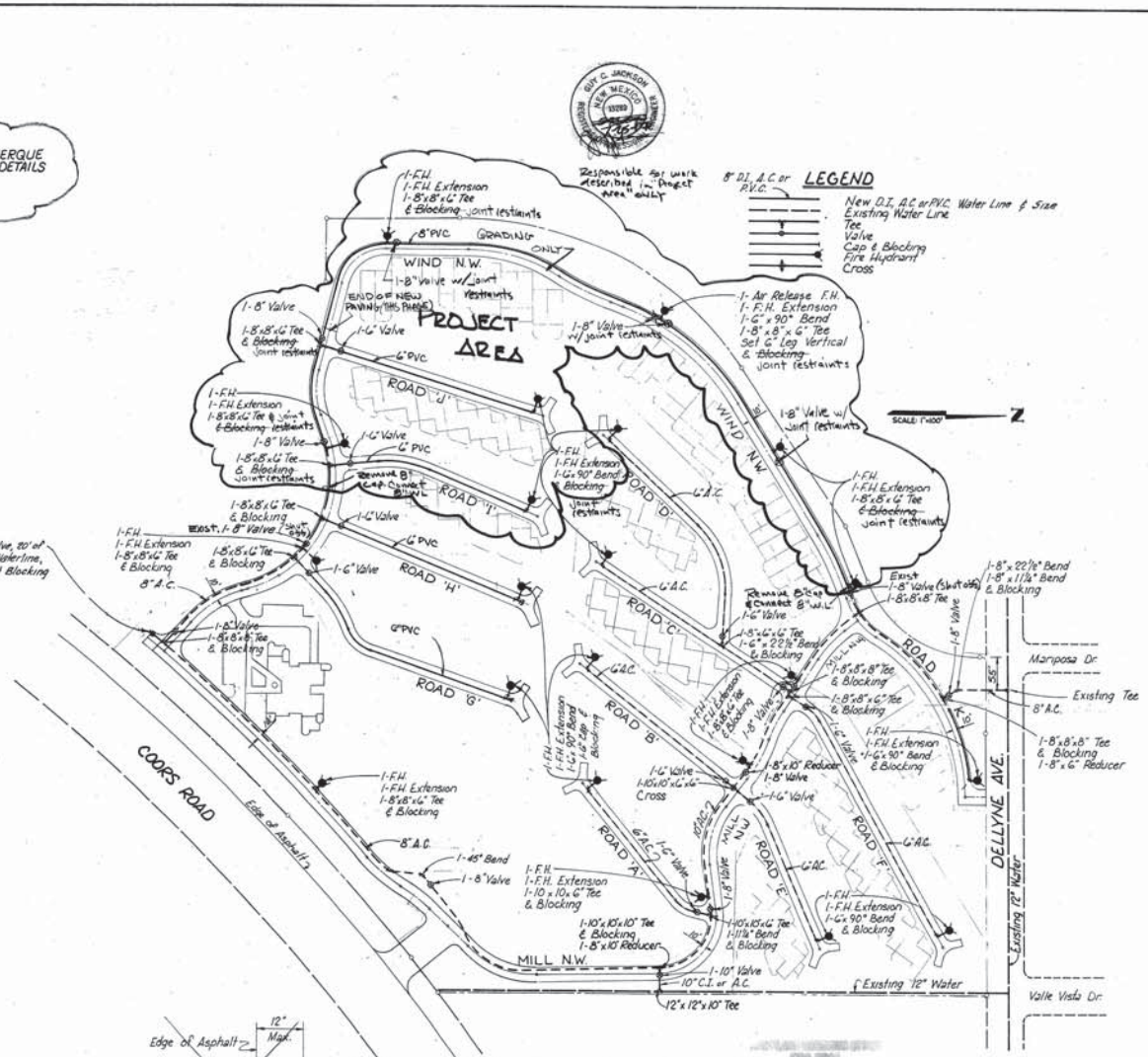
CITY ENGINEER DATE

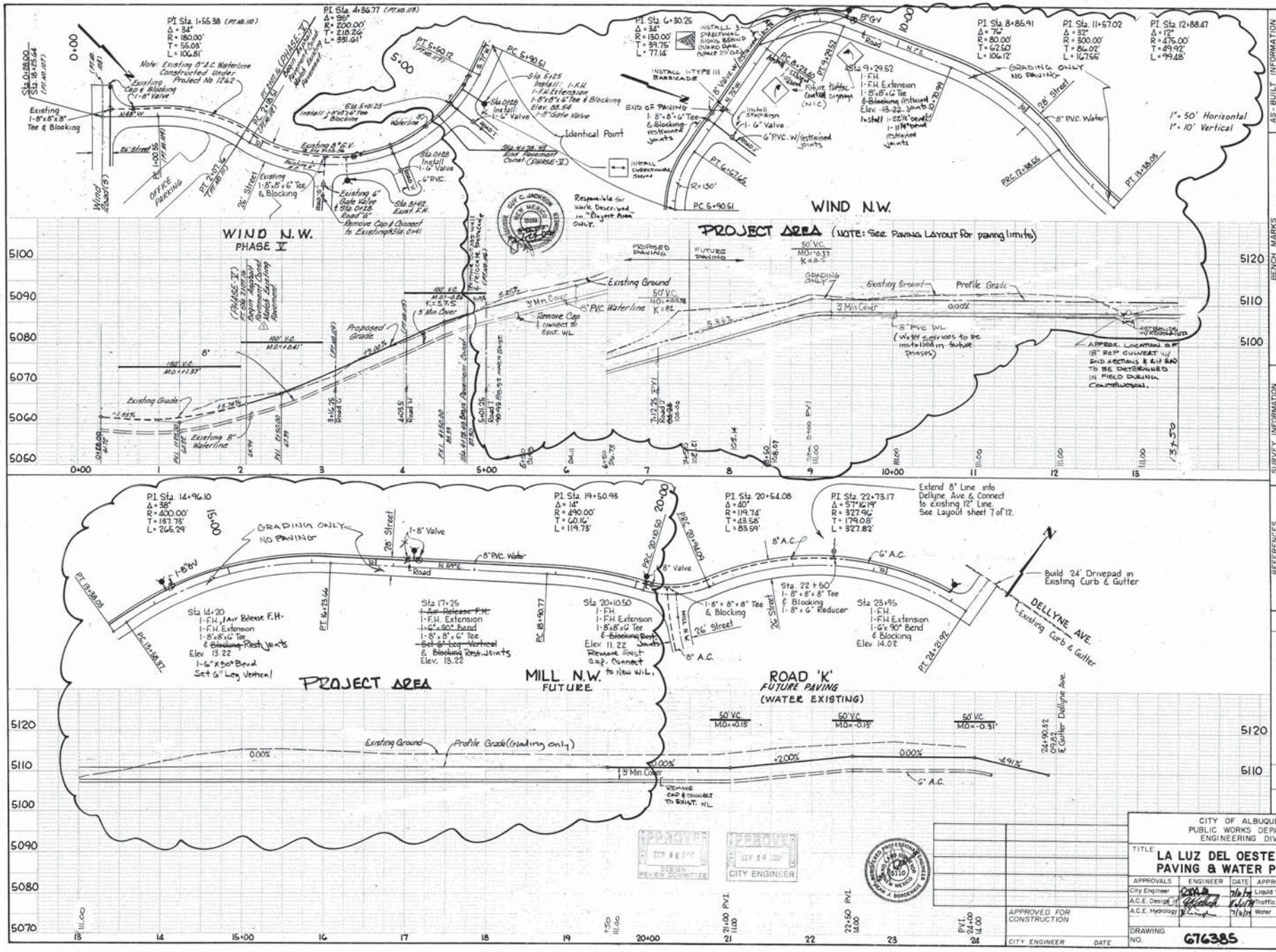
APPROVED SEP 06 2007 DESIGN REVIEW COMMITTEE

APPROVED CITY ENGINEER






LEGEND
New D.I., A.C. or PVC Water Line & Size
Existing Water Line
Tee
Valve
Cap & Blocking
Fire Hydrant
Cross
8" D.I., A.C. or P.V.C.
Responsible for work described in "Project Area" only
SCALE: 1"=100'
N
PROJECT AREA
WIND N.W.
ROAD "J"
ROAD "I"
ROAD "H"
ROAD "G"
ROAD "D"
ROAD "C"
ROAD "B"
ROAD "A"
ROAD "E"
ROAD "F"
MILL N.W.
COORS ROAD
DELLYNE AVE.
Mariposa Dr.
Valle Vista Dr.
Existing 12" Water
℄ Existing 12" Water
Edge of Asphalt
8" Valve, 20' of 8" A.C. Watermain, 8" Cap & Blocking
1-F.H. 1-F.H. Extension 1-8"x8"x6" Tee & Blocking joint restraints
8" PVC
GRADING ONLY
1-8" Valve w/ joint restraints
END OF NEW PAVING (THIS PHASE)
1-8" Valve
1-8"x8"x6" Tee & Blocking joint restraints
1-6" Valve
6" PVC
1-8"x8"x6" Tee & Blocking joint restraints
1-8" Valve
1-6" Valve
6" PVC
1-F.H. 1-F.H. Extension 1-6"x90° Bend & Blocking joint restraints
Remove 8" Cap & Install Blind
1-8"x8"x6" Tee & Blocking
Exist. 1-8" Valve (Shut off)
1-8"x8"x6" Tee & Blocking
1-6" Valve
6" PVC
8" A.C.
1-8" Valve
1-8"x8"x6" Tee & Blocking
6" PVC
1-6" Valve
6" A.C.
1-8" Air Release F.H. 1-F.H. Extension 1-6" x 90° Bend 1-8" x 8" x 6" Tee Set 6" Leg Vertical & Blocking joint restraints
1-8" Valve w/ joint restraints
1-F.H. 1-F.H. Extension 1-8"x8"x6" Tee & Blocking joint restraints
Remove 8" Cap & Install 8" W.L.
1-6" Valve
1-8"x6"x6" Tee 1-6" x 22½° Bend & Blocking
1-8"x8"x8" Tee & Blocking
1-8"x6" Tee & Blocking
1-F.H. 1-F.H. Extension 1-8"x8"x6" Tee & Blocking
1-8" Valve
1-F.H. 1-F.H. Extension 1-6"x90° Bend & Blocking
1-6" Valve
1-10x10"x6"x6" Cross
1-8" x 10" Reducer
1-8" Valve
1-6" Valve
1-F.H. 1-F.H. Extension 1-8"x8"x6" Tee & Blocking
8" A.C.
1-45° Bend
1-8" Valve
1-F.H. 1-F.H. Extension 1-10 x 10 x 6" Tee & Blocking
1-10"x10"x10" Tee & Blocking 1-8"x10" Reducer
1-10"x10"x6" Tee 1-11¼° Bend & Blocking
1-10" Valve
10" C.I. or A.C.
12"x12"x10" Tee
1-F.H. 1-F.H. Extension 1-6"x90° Bend & Blocking
1-8"x22½° Bend 1-8"x11¼° Bend & Blocking
Exist. 1-8" Valve (Shut off)
1-8"x8"x8" Tee
1-8" Valve
Existing Tee
8" A.C.
1-8"x8"x8" Tee & Blocking 1-8"x6" Reducer
6" A.C.
8" A.C.
1-6" Valve
1-8" Valve
1-8"x8"x6" Tee & Blocking joint restraints
1-F.H. 1-F.H. Extension 1-6"x90° Bend & Blocking
1-F.H. 1-F.H. Extension 1-6"x90° Bend & Blocking
6" A.C.
6" A.C.
6" A.C.



AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
CORRECTED BY
DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE

BENCH MARKS
NM 448-N6 Elev. 5058.89
NMSHC Brass tablet on the South side of State Road 448 (Coors Road N.W.) in the entrance to the La Luz Condominium.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

REFERENCES
MAP NO. F-11
EST. NO. W.O. NO.

REMARKS
REVISIONS
NO. DATE BY

DESIGNED BY: T.T. BURNETT ENGINEERING INC.
DATE:
120 MORNINGSIDE DRIVE N.E.
ALBUQUERQUE, NEW MEXICO 87108

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

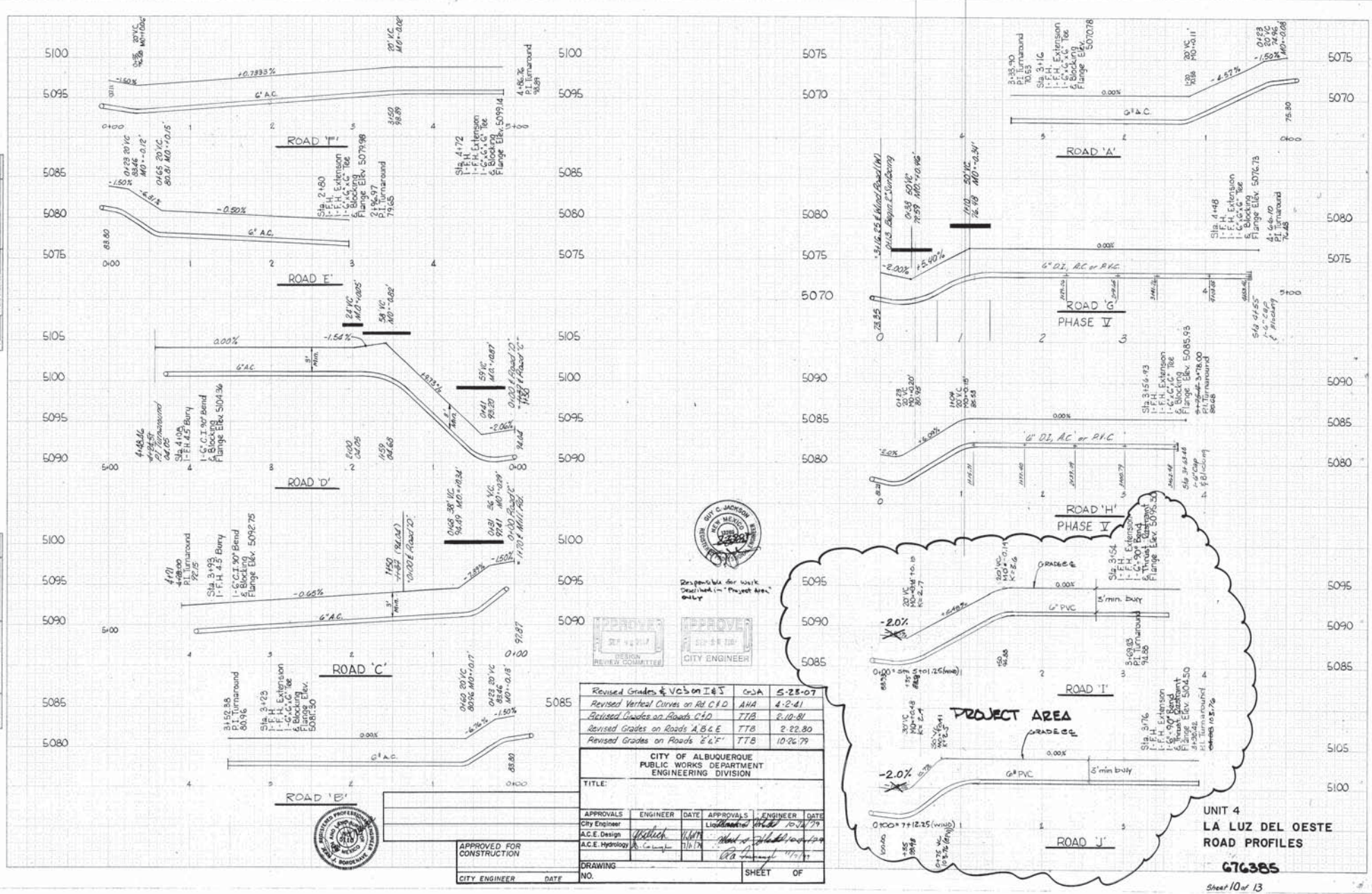
TITLE: LA LUZ DEL OESTE UNIT 4
PAVING & WATER PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		

APPROVED FOR CONSTRUCTION
CITY ENGINEER DATE

DRAWING NO. G76385

SHEET 9 OF 13


ROAD 'F'
ROAD 'E'
ROAD 'D'
ROAD 'C'
ROAD 'B'
ROAD 'A'
ROAD 'G'
PHASE V
ROAD 'H'
PHASE V
ROAD 'I'
ROAD 'J'
PROJECT AREA
Responsible for work described in "Project Area" only
APPROVED
DESIGN REVIEW COMMITTEE
APPROVED
CITY ENGINEER
Revised Grades & VC's on I & J | C-JA | 5-25-07
Revised Vertical Curves on Rd. C & D | AHA | 4-2-81
Revised Grades on Roads C & D | TTB | 2-10-81
Revised Grades on Roads A, B & E | TTB | 2-22-80
Revised Grades on Roads 'E' & 'F' | TTB | 10-26-79
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
TITLE:
APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE
City Engineer
A.C.E. Design
A.C.E. Hydrology
APPROVED FOR CONSTRUCTION
CITY ENGINEER DATE
DRAWING NO.
SHEET OF
UNIT 4
LA LUZ DEL OESTE
ROAD PROFILES
G76385
Sheet 10 of 13

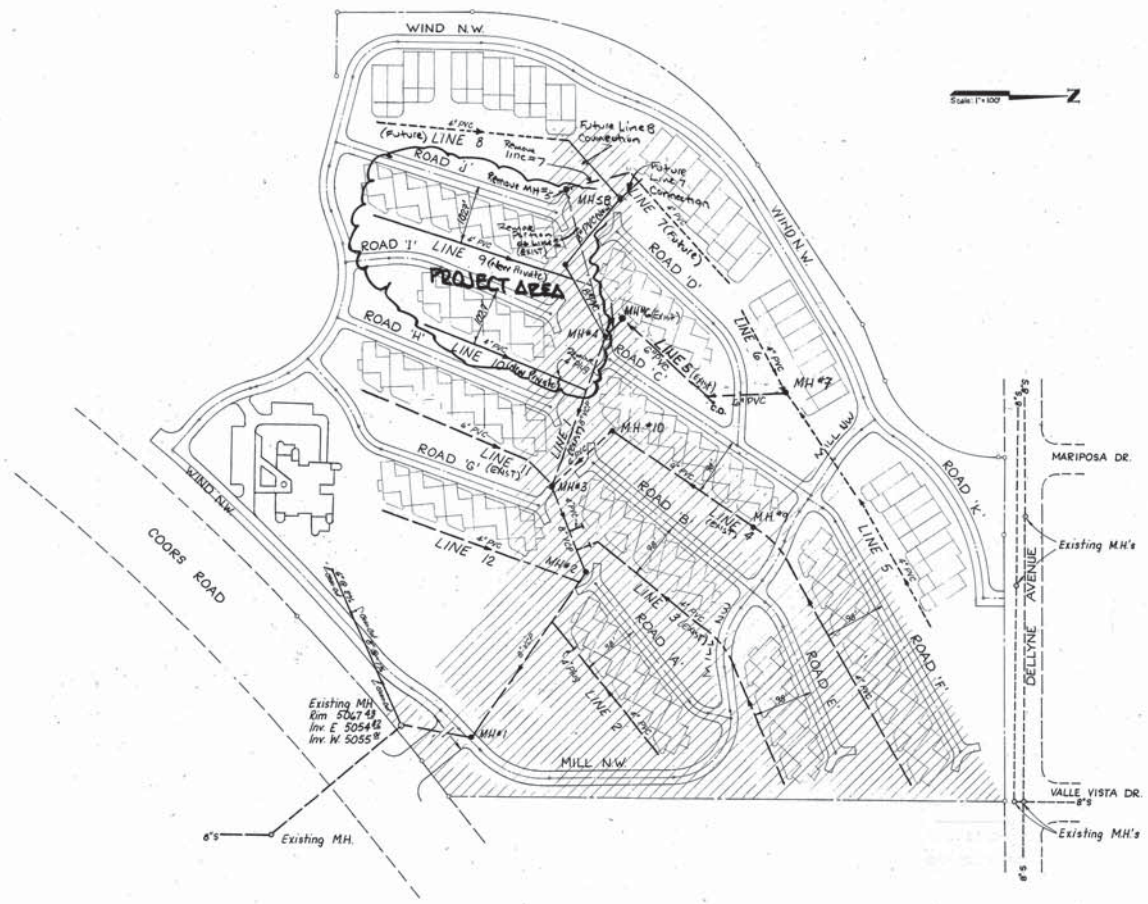
LEGEND

- Proposed Sanitary Sewer with Flow direction This Contract ~ 8" VCP, 6" PVC, 4" PVC
- Proposed Sanitary Sewer with Flow direction Future Construction
- Existing Sewer Lines
- Proposed Sanitary Manhole
- Existing Sanitary Manhole

CITY OF ALBUQUERQUE STANDARD SEWER DETAILS

NOTES

1. All manholes are 4' in diameter.
2. All sewer lines are private lines.



AS-BUILT INFORMATION	
CONTRACTOR	
WORK STAKED BY	DATE
DRAWING CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE

BENCH MARKS	
NM 448-N6	Elev. 5058.89
NMSHC Brass Tablet on the South side of State Road 448 (Coors Road N.W.) in the entrance to La Luz Condominium.	

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE

REFERENCES	
MAP NO. F-11	
EST. NO.	W.O. NO.

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY: T.T. BURNETT ENGINEERING INC.
DATE: 12.0 MORNINGSIDE DRIVE, N.E.
ALBUQUERQUE, NEW MEXICO 87108

Responsible for work described in "Project Area" only

GUY C. JACKSON NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 13269

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

APPROVED SEP 06 2007 DESIGN REVIEW COMMITTEE

APPROVED SEP 06 2007 CITY ENGINEER

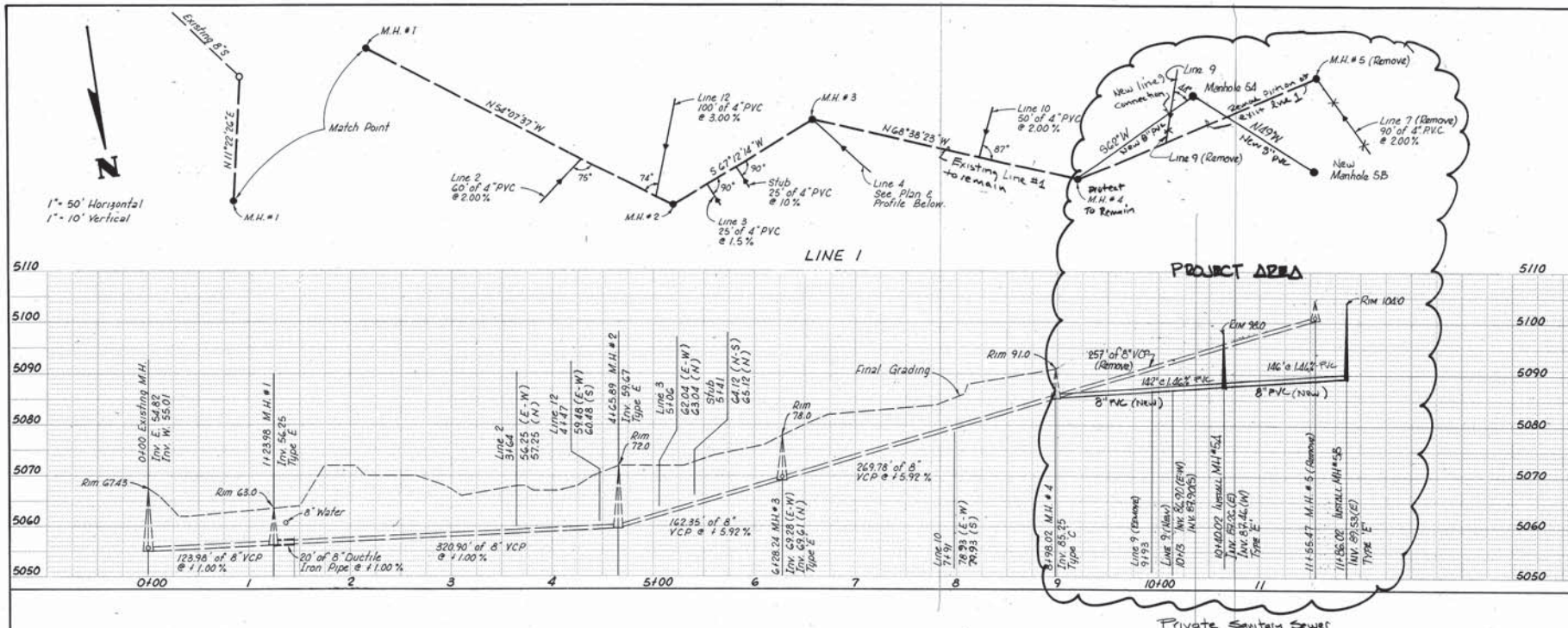
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: LA LUZ DEL OESTE UNIT 4
SEWER LAYOUT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design		8/4/07	Traffic		
A.C.E. Hydrology		8/4/07	Water		

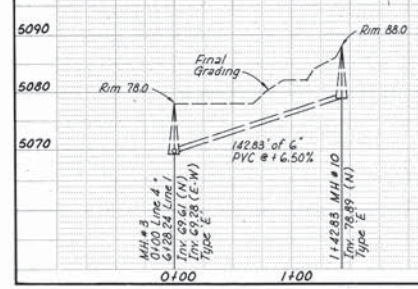
DRAWING NO. G76385

SHEET 11 OF 13



Private Sanitary Sewer

LINE 4



REDUCER

Reducer either L x W or L length	D x L or Large Diameter	
Size	Length Reducer Required Maximum	Large Size Maximum Length, Feet
6" x 4"	42	38
8" x 4"	50	30
8" x 6"	29	29
10" x 4"	62	52
10" x 6"	34	34
10" x 8"	24	24
12" x 6"	41	41
12" x 8"	38	36
12" x 10"	75	55

VERTICAL OFFSET

Line Size	Deep end L/L Feet	Shallow end L/L Feet	Deep end L/L Feet	Shallow end L/L Feet
	Maximum Length			
	22" Bend		45° Bend	
4"	1	1/4	1	2
6"	2	1/2	2	3
8"	3	1/4	3	3
10"	4	1/2	4	5
12"	4	3/4	5	6
14"	5	1	6	7
16"	5	1/4	7	8

TEES

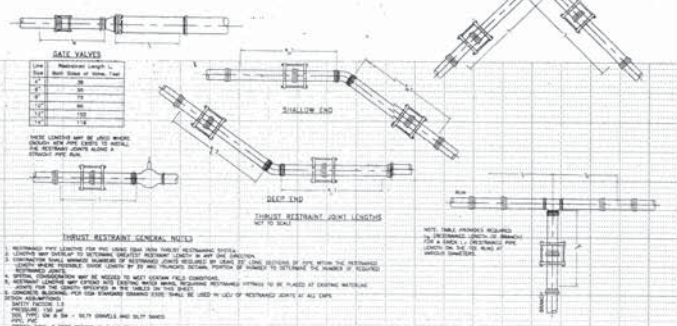
Line Size	Branch Size 4"			Branch Size 6"			Branch Size 8"			Branch Size 10"			Branch Size 12"		
	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
	Maximum Length L1, Feet for a Specified L2														
4"	30	19	F.O.	F.O.	58	43	30	19	F.O.	32	21	F.O.	-	-	-
6"	30	8	F.O.	F.O.	53	26	16	F.O.	21	58	43	27	-	-	-
10"	24	F.O.	F.O.	F.O.	48	16	F.O.	21	48	43	27	16	48	16	24
12"	17	F.O.	F.O.	F.O.	43	14	F.O.	F.O.	43	46	17	F.O.	83	43	23
14"	F.O.	F.O.	F.O.	F.O.	21	F.O.	F.O.	F.O.	36	13	F.O.	F.O.	58	33	11

F.O. Maximum Required or Fitting Does Not

GATE VALVES

Line Size	Maximum Length L Back Sides of Valve, Feet
4"	38
6"	56
8"	73
10"	94
12"	110
14"	118

THESE LENGTHS MAY BE USED WHERE ENOUGH NEW PIPE EXISTS TO INSTALL THE RESTRAINED JOINTS ALONG A STRAIGHT PIPE RUN.



THRUST RESTRAINT GENERAL NOTES

1. RESTRAINED PIPE LENGTHS FOR PVC USING EBAA IRON FIRSTLOK RESTRAINING SYSTEM.
2. CONTRACTOR MAY CHECK UP TO DETERMINE GREATEST RESTRAINT LENGTH IN ANY ONE DIRECTION.
3. CONTRACTOR SHALL MINIMIZE NUMBERS OF RESTRAINED JOINTS REQUIRED BY USING 22° LONG DEFLECTION OF PIPE WITH THE RESTRAINED LENGTH WHERE POSSIBLE. OVER LENGTH BY 22 AND PROVIDED BETWEEN PORTION OF NUMBER TO DETERMINE THE NUMBER OF REQUIRED RESTRAINED JOINTS.
4. SPECIAL CONSIDERATION MAY BE NEEDED TO MEET CERTAIN FIELD CONDITIONS.
5. CONTRACTOR MAY CHOOSE TO MAKE CONNECTIONS INTO EXISTING WATER MAINS, REQUIRING RESTRAINED FITTINGS TO BE PLACED AT EXISTING WATERLINE LENGTH THAN THE LENGTHS SPECIFIED IN THE TABLES ON THIS SHEET.
6. CONCRETE BLOCKING PER CGA STANDARD DRAWING 2005 SHALL BE USED IN LIEU OF RESTRAINED JOINTS AT ALL CAPS.

DESIGN ASSUMPTIONS
SAFETY FACTOR 1.5
TEST PRESSURE 150 p.s.i.
SOIL TYPE USE A OR B - SILTY GRAVELS AND SILTY SANDS
PIPE: PVC
TRENCH TYPE: 2 TYPE BEDDED IN 6 INCHES MINIMUM LOOSE SOIL, MANUALLY LIGHTLY CONSOLIDATED TO TOP OF THE PIPE.

RESTRAINED JOINTS TABLE

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

APPROVED SEP 06 2007 DESIGN REVIEW COMMITTEE

APPROVED SEP 06 2007 CITY ENGINEER

Responsible for Work Designated in "Project Area" Only

RUDY C. JACKSON NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

AS-BUILT INFORMATION
CONTRACTOR
RECEIVED BY DATE
RECORDED BY DATE
INSPECTED BY DATE

MICRO-FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
NM 448-NG Elev. 5058.89
NMSHC Brass tablet on the south side of State Road 448 (Coors Road N.W.) in the entrance to the La Luz Condominium.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

REFERENCES
MAP NO. F-11
EST. NO.
W.O. NO.

NO.	DATE	REVISIONS	BY
		REMARKS	

DESIGNED BY: T.T. BURNETT ENGINEERING INC. 120 BURNINGSIDE DRIVE N.E. ALBUQUERQUE, NEW MEXICO 87108

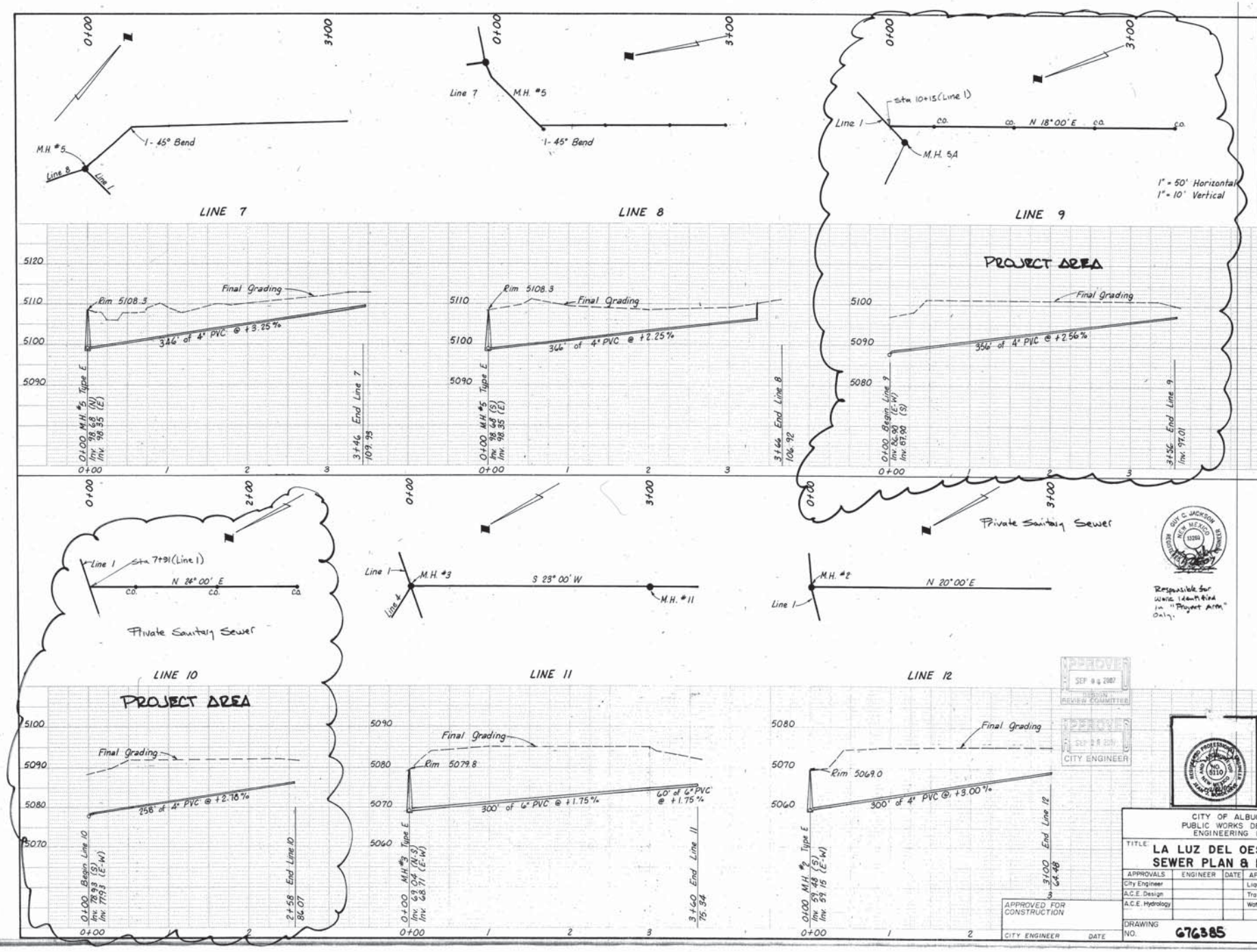
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: LA LUZ DEL OESTE UNIT 4
SEWER PLAN & PROFILE - PHASE III

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic	N.A.	
A.C.E. Hydrology		7/6/07	Water		

DRAWING NO. G76385

SHEET 12 OF 13


LINE 7
M.H. #5
Line 8
Line 1
1-45° Bend
Final Grading
Rim 5108.3
326' of 4" PVC @ +3.25%
0+00 M.H. #5 Type E
Inv. 98.68 (N)
Inv. 98.35 (E)
3+46 End Line 7
109.93
LINE 8
Line 7
M.H. #5
1-45° Bend
Final Grading
Rim 5108.3
366' of 4" PVC @ +2.25%
0+00 M.H. #5 Type E
Inv. 98.68 (S)
Inv. 98.35 (E)
3+66 End Line 8
106.92
LINE 9
Sta. 10+15 (Line 1)
Line 1
N 18° 00' E
M.H. 5A
1" = 50' Horizontal
1" = 10' Vertical
PROJECT AREA
Final Grading
356' of 4" PVC @ +2.56%
0+00 Begin Line 9
Inv. 86.90 (E-W)
Inv. 87.90 (S)
3+56 End Line 9
Inv. 97.01
Private Sanitary Sewer
LINE 10
Line 1
Sta. 7+91 (Line 1)
N 24° 00' E
Private Sanitary Sewer
PROJECT AREA
Final Grading
258' of 4" PVC @ +2.78%
0+00 Begin Line 10
Inv. 78.93 (S-W)
Inv. 77.93 (E-W)
2+58 End Line 10
86.07
LINE 11
Line 1
M.H. #3
Line 4
S 23° 00' W
M.H. #11
Final Grading
Rim 5079.8
300' of 6" PVC @ +1.75%
60' of 6" PVC @ +1.75%
0+00 M.H. #3 Type E
Inv. 69.04 (N-S)
Inv. 68.71 (E-W)
3+60 End Line 11
75.34
LINE 12
M.H. #2
Line 1
N 20° 00' E
Final Grading
Rim 5069.0
300' of 4" PVC @ +3.00%
0+00 M.H. #2 Type E
Inv. 59.48 (S)
Inv. 59.15 (E-W)
3+00 End Line 12
64.48
Responsible for work identified in "Project Area" Only.
GUY C. JACKSON
NEW MEXICO
13269
REGISTERED PROFESSIONAL ENGINEER
APPROVED
SEP 8 2007
DESIGN REVIEW COMMITTEE
APPROVED
SEP 28 2007
CITY ENGINEER
REGISTERED PROFESSIONAL ENGINEER
NEW MEXICO
APPROVED FOR CONSTRUCTION
CITY ENGINEER
DATE
AS-BUILT INFORMATION
CONTRACTOR
ACCEPTED BY
DATE
INSPECTOR
CORRECTED BY
DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
BENCH MARKS
NM 448 N6
Elev. 5058.89
NMSHC Brass tablet on the South side of State Road 448 (Coors Road N.W.) in the entrance to the La Luz Condominium.
SURVEY INFORMATION
FIELD NOTES
NO.
BY
DATE
REFERENCES
MAP NO. F-11
W.O. NO.
EST. NO.
NO.
DATE
REMARKS
BY
REVISIONS
DESIGNED BY:
T.T. BURNETT ENGINEERING INC.
120 MORNINGSIDE DRIVE N.E.
ALBUQUERQUE, NEW MEXICO 87108
DATE:
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
TITLE: LA LUZ DEL OESTE UNIT 4
SEWER PLAN & PROFILE
APPROVALS
ENGINEER
DATE
APPROVALS
ENGINEER
DATE
City Engineer
A.C.E. Design
A.C.E. Hydrology
Liquid Waste
Traffic
Water
DRAWING NO. 676385
SHEET 13 OF 13