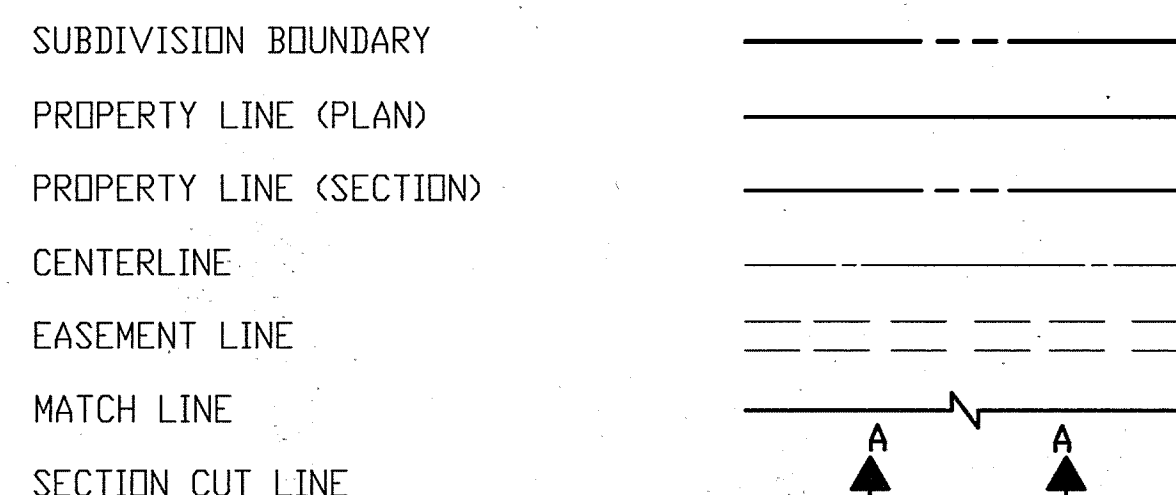


• L E G E N D •

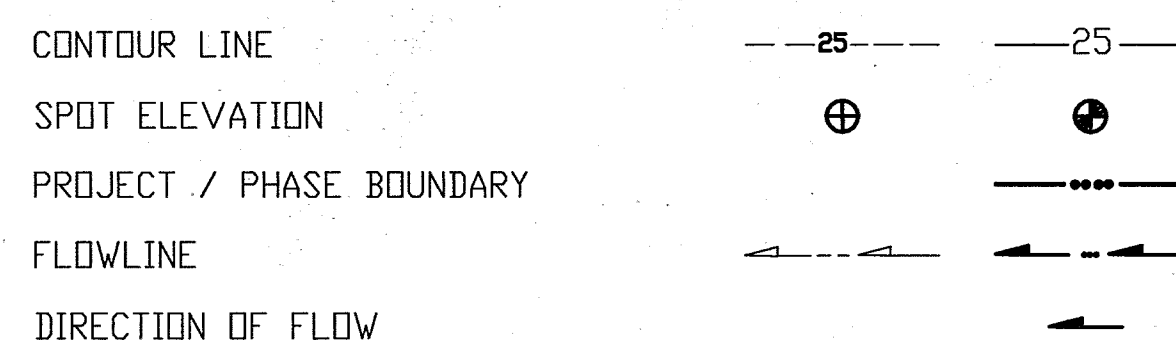
MATERIALS



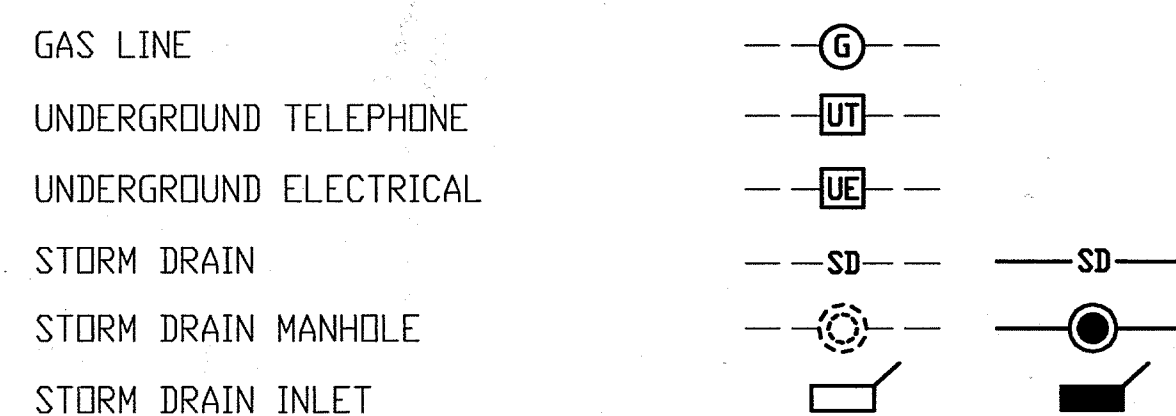
LINES



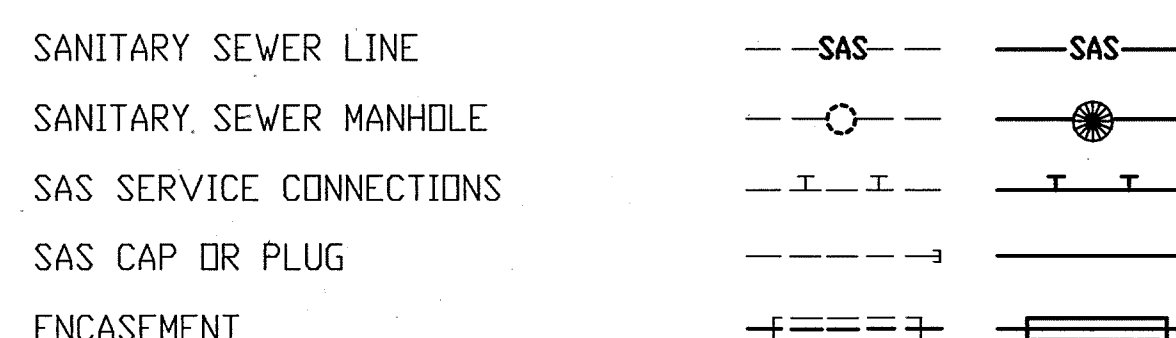
EARTHWORK



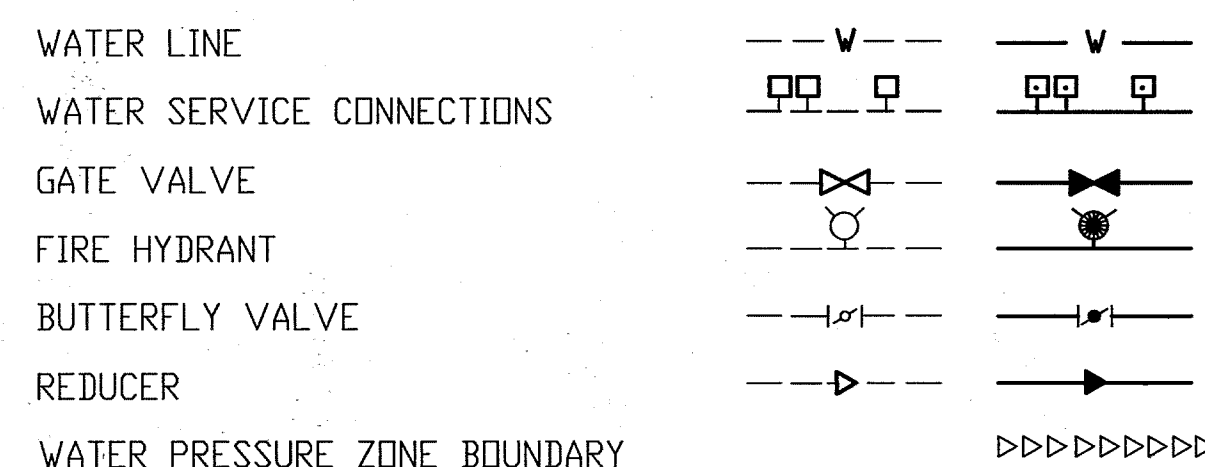
MISCELLANEOUS UTILITIES



SANITARY SEWER



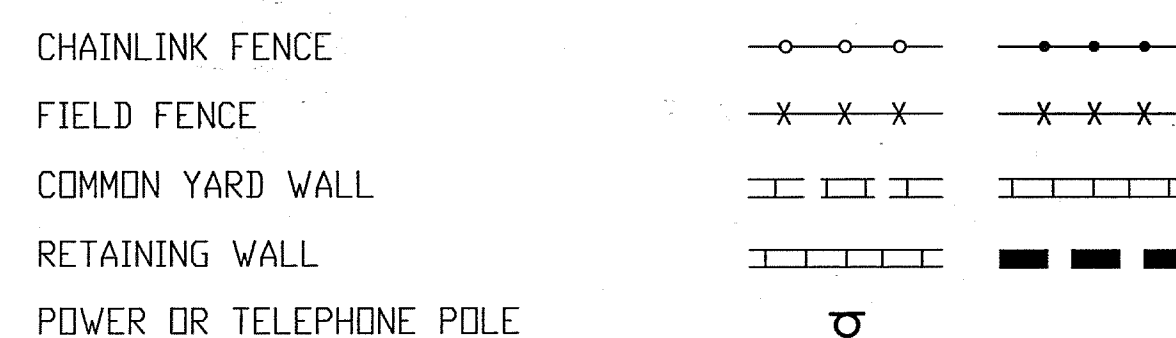
WATER



WATER FITTINGS



MISCELLANEOUS

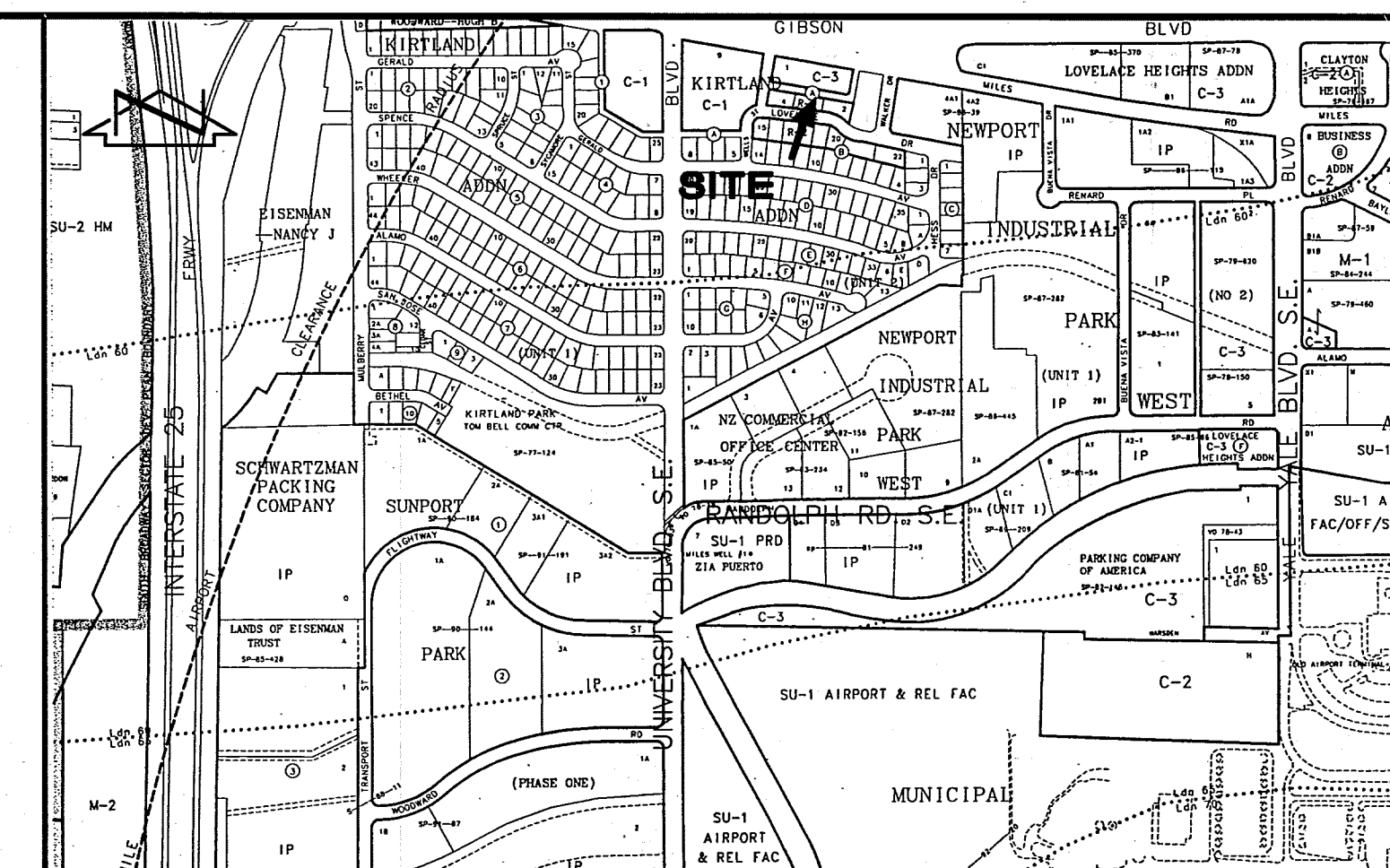


RECORD DRAWING

CONSTRUCTION PLANS
for
KIRTLAND ADDITION
MILES ROAD S.E./
GIBSON BOULEVARD S.E.
STREET IMPROVEMENTS
ALBUQUERQUE, NEW MEXICO
NOVEMBER, 1996

INDEX OF DRAWINGS

SHEET	DESCRIPTION
1	COVER SHEET, VICINITY MAP, GENERAL NOTES, LEGEND AND INDEX OF DRAWINGS
2	GRADING PLAN (FOR INFORMATION ONLY)
3	SITE PLAN AND EXCESS RIGHT-OF-WAY GRADING
4	PAVING IMPROVEMENTS PLAN AND PROFILE GIBSON BLVD. S.E. STA 3+90.00 TO STA 11+60.06 WALKER DRIVE S.E. STA 8+26.24 TO STA 10+00.00
5	PAVING IMPROVEMENTS PLAN AND PROFILE MILES ROAD S.E. STA 11+34.99 TO STA 20+51.39
6	PAVING SECTIONS AND DETAILS
7	SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS
8	TYPICAL TRAFFIC CONTROL AND SIGNING EXAMPLES (REF. M.U.T.C.D.)



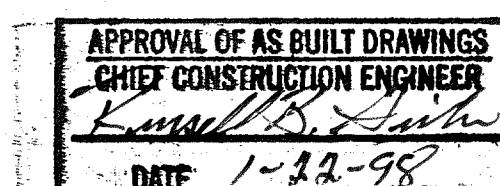
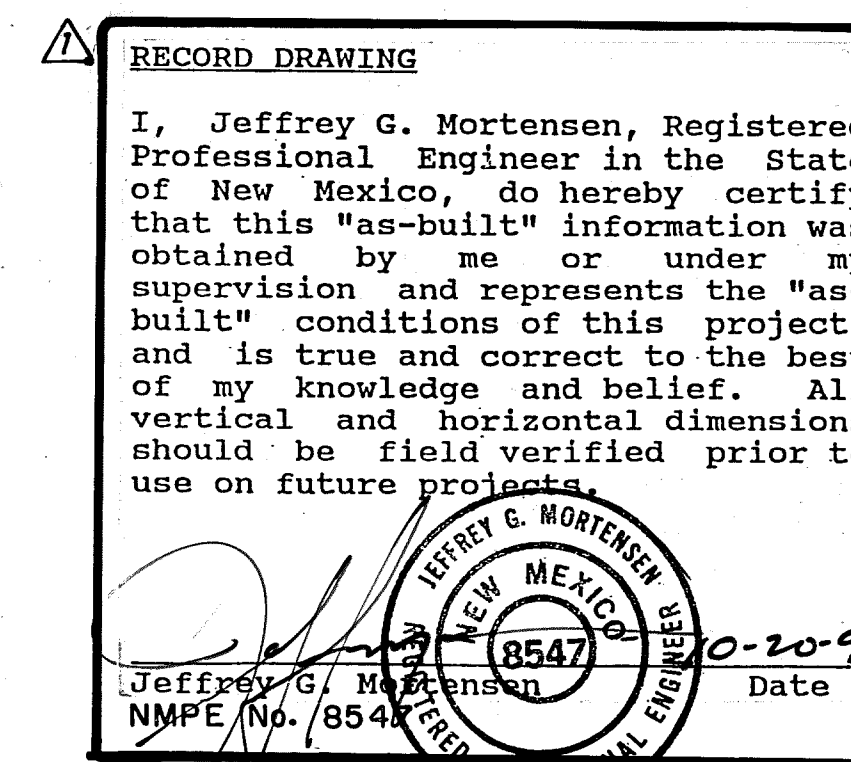
VICINITY MAP

SCALE: 1" = 750'

M-15

GENERAL NOTES

- 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-PUBLIC WORKS CONSTRUCTION-1986 - UPDATE NO. 6.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990 (ALBUQUERQUE AREA), 1-800-321-ALERT (2537) (STATEWIDE) FOR LOCATION OF EXISTING UTILITIES.
- IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING TO THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- 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.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED DURING CONSTRUCTION BY THE PROJECT ENGINEER.
- SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- IF CURB IS DEEPENED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- CONTRACTOR SHALL COORDINATE WITH THE WATER SYSTEM DIVISION FOR THE EXECUTION OF THE VALVE SHUT OFF PLAN, NOT LESS THAN FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT THE EXISTING PUBLIC WATER UTILITIES. ONLY WATER SYSTEM DIVISION PERSONNEL SHALL OPERATE EXISTING VALVES. REFER TO SECTION 18 OF THE SPECIFICATION. THE WATER SYSTEM DIVISION PHONE NUMBER IS 857-8200.
- CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR 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 ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE SPECIFICATIONS.
- THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION CO-ORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPANCY AN INTERSECTION. CONTRACTOR MUST REFER TO SECTION 19 OF THE STANDARD SPECIFICATION FOR TRAFFIC CONTROL.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED STRIPING BY CONTRACTOR TO EXISTING LOCATION OR AS INDICATED BY THIS PLAN SET.
- CAUTION: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.
- ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.



26-5319.90 0197		JEFF MORTENSEN & ASSOCIATES, INC. 1300-3 HENRY PARK BLVD. NE ALBUQUERQUE, NM 87109 ENGINEERS & SURVEYORS (505) 345-4250	
1, 3-8		07/97	
2		07/97	
REV.	SHEETS	CITY ENGINEER	DATE
ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE
	IRC Chairman	2-18-97	APPROVED FOR CONSTRUCTION
	Transportation	1-22-97	
	Water/Wastewater	1-24-97	
	Hydrology	1-23-97	
	Parks		
	Const. Mgmt.		
City Project No.		SHEET OF	
5319.90		1 8	

950925

CERTIFICATION

The as-built information shown hereon has been obtained by me or under my direct supervision and is true and correct to the best of my knowledge and belief. As indicated by this as-built information, the Phase I portion of the Enterprise - Miles Road site has been graded and drained in substantial compliance with the approved plan. The building finished floor elevation has been maintained while the intent of the plan in and around that building has been achieved. As-built paving limits are also shown. The westerly edge of those paving limits represents the phase line between Phases I and II, as more clearly described in the Phasing Plan portion of this submittal.

It is based upon this information and elevation that issuance of a Temporary Certificate of Occupancy is hereby recommended. A final Drainage Certification will be required as a condition for Permanent Certificate of Occupancy.

Jeffrey G. Mortensen, NMPE 8547



Date 10-24-96

LEGEND

- TC FL NG 91.93
- EXISTING CONTOUR
- TOP OF CURB
- FLOW LINE
- NATURAL GROUND
- SPOT ELEVATION
- GUY WIRE/ANCHOR
- POWER POLE
- LIGHT POLE
- MANHOLE
- CONTROL POINT
- PROPOSED SPOT ELEVATION
- PROPOSED CONTOUR
- DIRECTION OF FLOW
- FUTURE MILES ROAD
- NEW RETAINING WALL
- NEW C.M.U. WALL
- BASIN BOUNDARY
- FUTURE SPOT ELEVATION
- PROPOSED ASPHALT
- PHASE LIMIT
- TEMPORARY ASPHALT PAVING

PROJECT BENCHMARK = T.B.M.

CITY OF ALBUQUERQUE BENCHMARK "G-9A"
STATION IS STAMPED "ACS-G-9A, 1984", A
3 1/4" ALUMINUM TABLET SET FLUSH IN THE
CONCRETE CUTTER, TO REACH THE STATION
FROM I-25, TRAVEL EAST ON GIBSON BLVD. 0.7
MILES, AS SHOWN BELOW.
ELEVATION = 5143.07' (M.S.L.D.)

AS-BUILT LEGEND

- FL 25.9 30.20 AS-BUILT ELEVATION
- 31.20 AS-DESIGNED, AS-BUILT ELEVATION
- LIMITS OF AS-BUILT ASPHALT
- AS-BUILT RETAINING WALL

LEGAL DESCRIPTION

TRACT C, AIRPORT CENTER
(DRB-94-501)

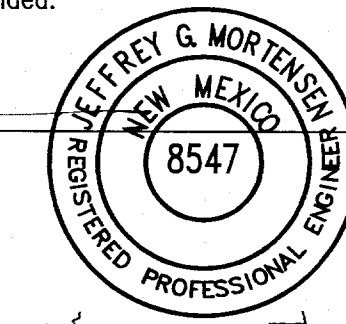
PHASING PLAN

At present, the Phase 1 portion of the project is complete. A temporary office trailer, for Enterprise Rent-a-Car, is located within the Phase 2 area. In order to grade and pave the Phase 2 portion of the project, operations must be moved from the temporary office trailer into the new office building. In order to do so, a Temporary Certificate of Occupancy is needed. Following issuance of the Temporary Certificate of Occupancy, five days are needed to vacate the trailer and to relocate into the new office building. An additional ten days are then required to grade and pave the Phase 2 portion of the lot, including the temporary asphalt rundown within the Miles Road right-of-way. The ten day timeframe will allow for weather delays. A 30-day Temporary Certificate of Occupancy is requested. This will allow for the relocation of the temporary office, the grading and paving of the Phase 2 portion of the lot, and the preparation of the Drainage Certification for Permanent Certificate of Occupancy.

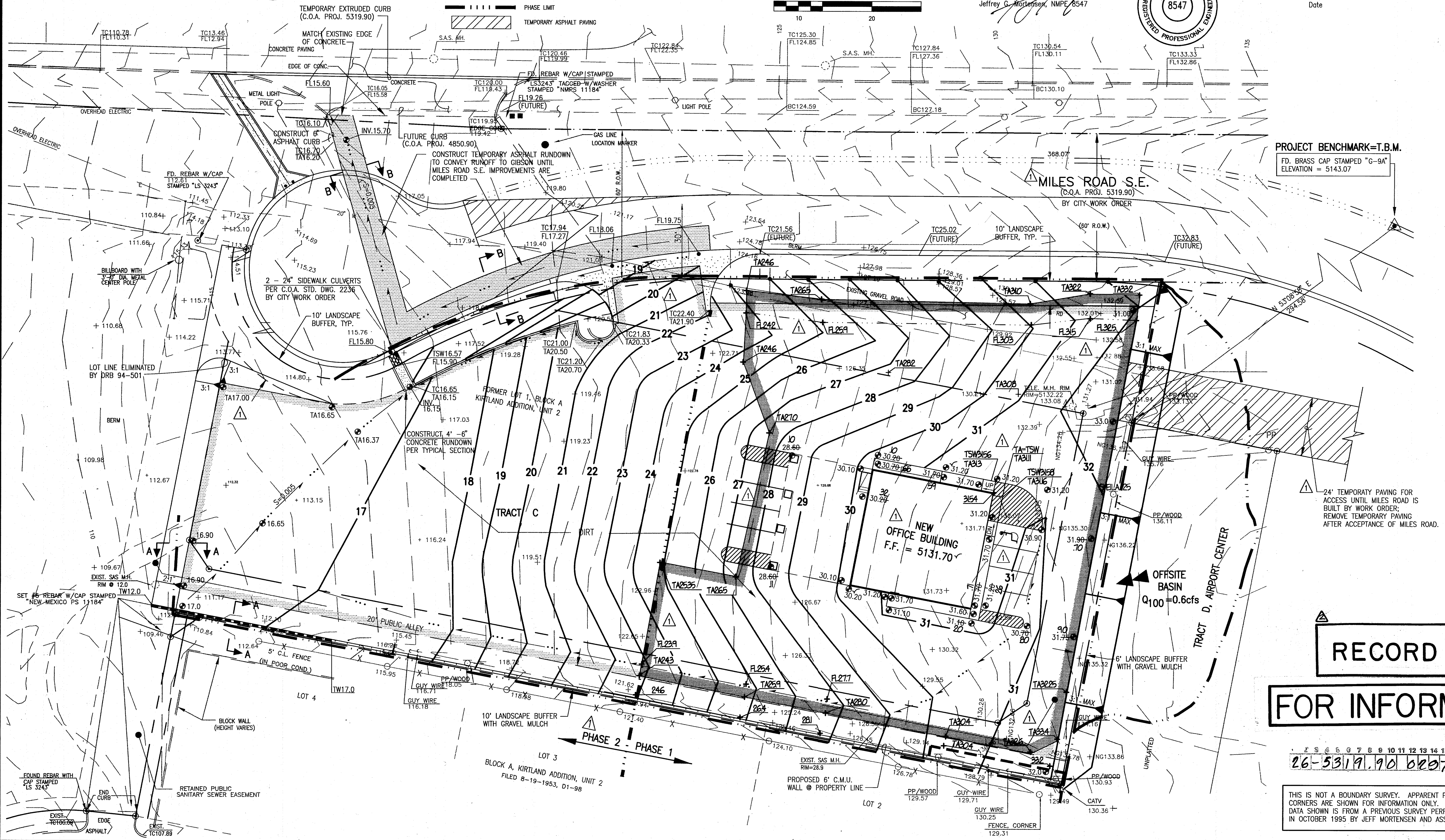
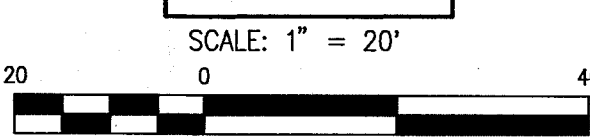
Permanent improvements within Miles Road S.E. are currently being negotiated with Transportation Development, Public Works Department. Plans have been submitted for preliminary review at the Design Review Committee. The nature of those comments are being discussed at this time. Following resolution of those discussions, the final plans will be prepared and submitted for approval. Following approval, the project will move into construction. At that time, all temporary paving and drainage improvements will be removed.

The above information is submitted to supplement the previously approved plan dated March 26, 1996 and to further clarify the timeframe by which this project will be completed. Based upon this information, issuance of a Temporary Certificate of Occupancy is hereby recommended.

Jeffrey G. Mortensen, NMPE 8547



Date 10-24-96



PROJECT BENCHMARK=T.B.M.
FD. BRASS CAP STAMPED "G-9A"
ELEVATION = 5143.07

RECORD DRAWING

FOR INFORMATION ONLY

26-53191.90 0207

THIS IS NOT A BOUNDARY SURVEY. APPARENT PROPERTY CORNERS ARE SHOWN FOR INFORMATION ONLY. BOUNDARY DATA SHOWN IS FROM A PREVIOUS SURVEY PERFORMED IN OCTOBER 1995 BY JEFF MORTENSEN AND ASSOCIATES.

Construction Notes:

- Two (2) working days prior to any excavation, contractor must contact New Mexico One Call System 260-1990 (Albuquerque Area), 1-800-321-ALERT(2537) (Statewide), for location of existing utilities.
- Prior to construction, the contractor shall excavate and verify the horizontal and vertical location of all potential obstructions. Should a conflict exist, the contractor shall notify the engineer in writing so that the conflict can be resolved with a minimum amount of delay. The Contractor shall be responsible for all interpretations it makes without first contacting the Engineer as required above.
- All work on this project shall be performed in accordance with applicable federal, state and local laws, rules and regulations concerning construction safety and health.
- All construction within public right-of-way shall be performed in accordance with applicable City of Albuquerque Standards and Procedures.
- If any utility lines, pipelines, or underground utility lines are shown on these drawings, they are shown in an approximate manner only, and such lines may exist where none are shown. If any such existing lines are shown, the location is based upon information provided by the owner of said utility, and the information may be incomplete, or may be obsolete by the time construction commences. The engineer has conducted only preliminary investigation of the location, depth, size, or type of existing utility lines, pipelines, or underground utility lines. This investigation is not conclusive, and may not be complete, therefore, makes no representation pertaining thereto, and assumes no responsibility or liability therefor. The contractor shall inform itself of the location of any utility line, pipeline, or underground utility line in or near the area of the work in advance of and during excavation work. The contractor is fully responsible for any and all damage caused by its failure to locate, identify and preserve any and all existing utilities, pipelines, and underground utility lines. In planning and conducting excavation, the contractor shall comply with state statutes, municipal and local ordinances, rules and regulations, if any, pertaining to the location of these lines and facilities.
- The design of planters and landscaped areas is not part of this plan. All planters and landscaped areas adjacent to the building(s) shall be provided with positive drainage to avoid any ponding adjacent to the structure. For construction details, refer to landscaping plan.

Erosion Control Measures:

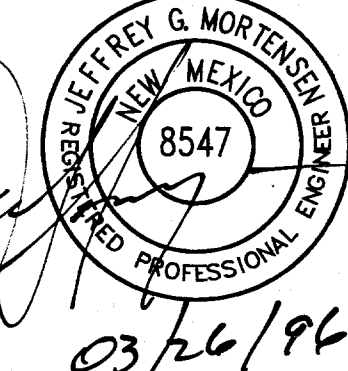
- The contractor shall ensure that no soil erodes from the site into public right-of-way or onto private property.
- The contractor shall promptly clean up any material excavated within the public right-of-way so that the excavated material is not susceptible to being washed down the street.
- The contractor shall secure "Topsoil Disturbance Permit" prior to beginning construction.
- Any areas of excess disturbance (traffic access, storage yard, excavated material, etc.) shall be re-seeded according to C.O.A. Specification 1012 "Native Grass Seeding". This will be considered incidental to construction, therefore, no separate payment will be made.



JEFF MORTENSEN & ASSOCIATES, INC.
600-B MIDWAY PARK BLVD. NE
ALBUQUERQUE, NM 87109
ENGINEERS SURVEYORS (505) 345-4250

GRADING AND DRAINAGE PLAN ENTERPRISE/MILES ROAD OFFICE BUILDING

DESIGNED BY	DATE	BY	REVISIONS	JOB NO.
G.M./G.R.B.	10/96	JCM	REVISE PAVING LIMITS; ADD PHASING; AS-BUILT AND CERTIFY PHASE 1	950925
DRAWN BY	07/97	MDS	RECORD DRAWING	DATE 08-1996
APPROVED BY		J.G.M.		SHEET 2 OF 8



03/26/96

RECORD DRAWING

RECORD DRAWING

I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Jeffrey G. Mortensen
Professional Engineer
No. 8547
Date 12-10-96

STREET PAVING IMPROVEMENTS

- ALL SLOPES AS SHOWN ON PROFILES ARE BASED ON STREET CENTERLINE STATIONING EXCEPT CUL-DE-SACS AND EYEBROWS WHERE STATIONING IS ALONG FACE-OF-CURB.
- WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- ALL DIMENSIONS OF CURB AND CURB RETURNS ARE SHOWN TO FACE-OF-CURB.
- ALL WHEELCHAIR RAMP MUST BE CONSTRUCTED UNDER THIS WORK ORDER PER C.O.A. STD. DWG. 2441 (CASE II).
- ALL CURB AND GUTTER SHOWN HEREON SHALL BE STANDARD CURB AND GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING 2415 UNLESS OTHERWISE NOTED.
- UPON COMPLETION OF CONSTRUCTION, THE CITY OF ALBUQUERQUE WILL PROVIDE AND INSTALL ALL STREET SIGNS.
- SEE SHEET 6 FOR SECTIONS AND DETAILS.

LEGEND

- TC TOP OF CURB
- FL FLOW LINE
- NG NATURAL GROUND
- + 91.93 SPOT ELEVATION
- GUY WIRE/ANCHOR
- POWER POLE
- LIGHT POLE
- MANHOLE
- CONTROL POINT

CURB & CENTERLINE CURVE DATA

CURVE	ARC	DELTA	RADIUS
①	62.01'	88°49'32"	40.00'
②	115.58'	165°33'44"	40.00'
③	26.75'	61°18'39"	25.00'
④	42.57'	16°15'37"	150.00'
⑤	42.57'	16°15'37"	150.00'
⑥	39.27'	90°00'00"	25.00'
⑦	44.03'	100°54'09"	25.00'
⑧	34.51'	79°05'51"	25.00'
⑨	47.09'	89°56'11"	30.00'
⑩	157.25'	30°02'00"	300.00'
⑪	188.94'	36°05'08"	300.00'
⑫	131.84'	25°10'48"	300.00'
⑬	161.99'	32°40'53"	284.00'
⑭	124.81'	25°10'48"	284.00'
⑮	199.02'	36°05'08"	316.00'
⑯	108.12'	19°36'15"	316.00'
⑰	178.87'	36°05'08"	284.00'
⑱	138.87'	25°10'48"	316.00'

12-10-96



JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE, N.M. 87109
ENGINEERS & SURVEYORS (C65) 545-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: KIRTLAND ADDITION
SITE PLAN AND
EXCESS RIGHT-OF-WAY GRADING



City Engineer Approval

Last Design Update

City Project No.

Zone Map No.

Sheet

Of

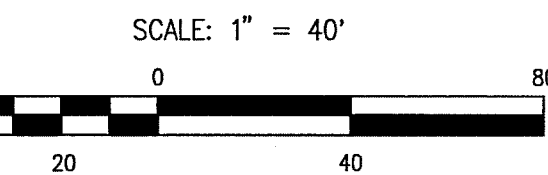
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5319.90

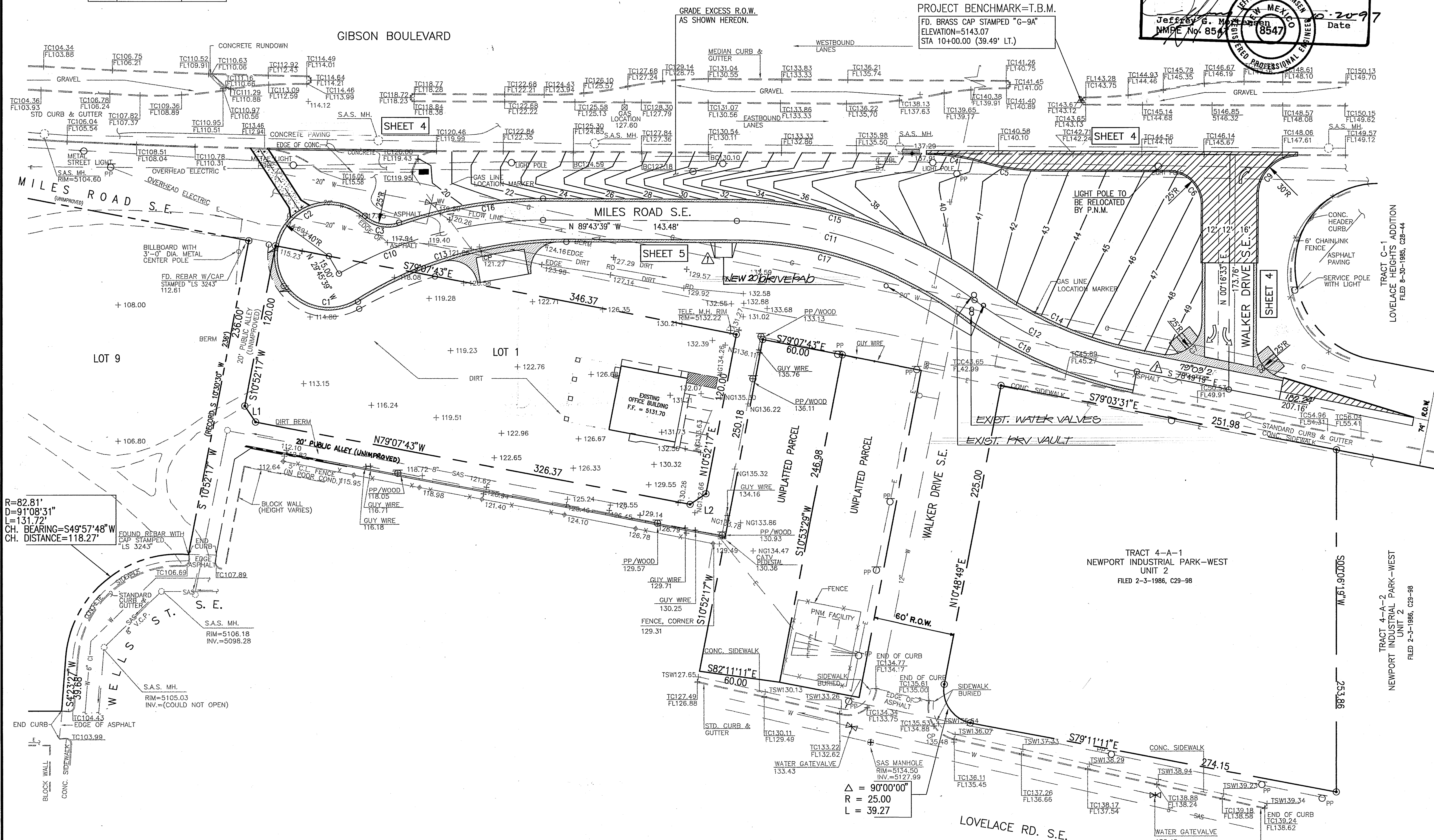
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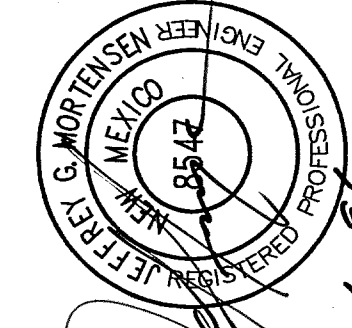
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LINE	DIRECTION	DISTANCE
L1	N 34°07'43" W	14.14'
L2	S 55°52'17" W	14.14'



Δ = 90°00'00"
R = 25.00
L = 39.27



REVISIONS

BY

DATE

DESIGN

DATE

DATE

DATE

DATE

DATE

DATE

DATE

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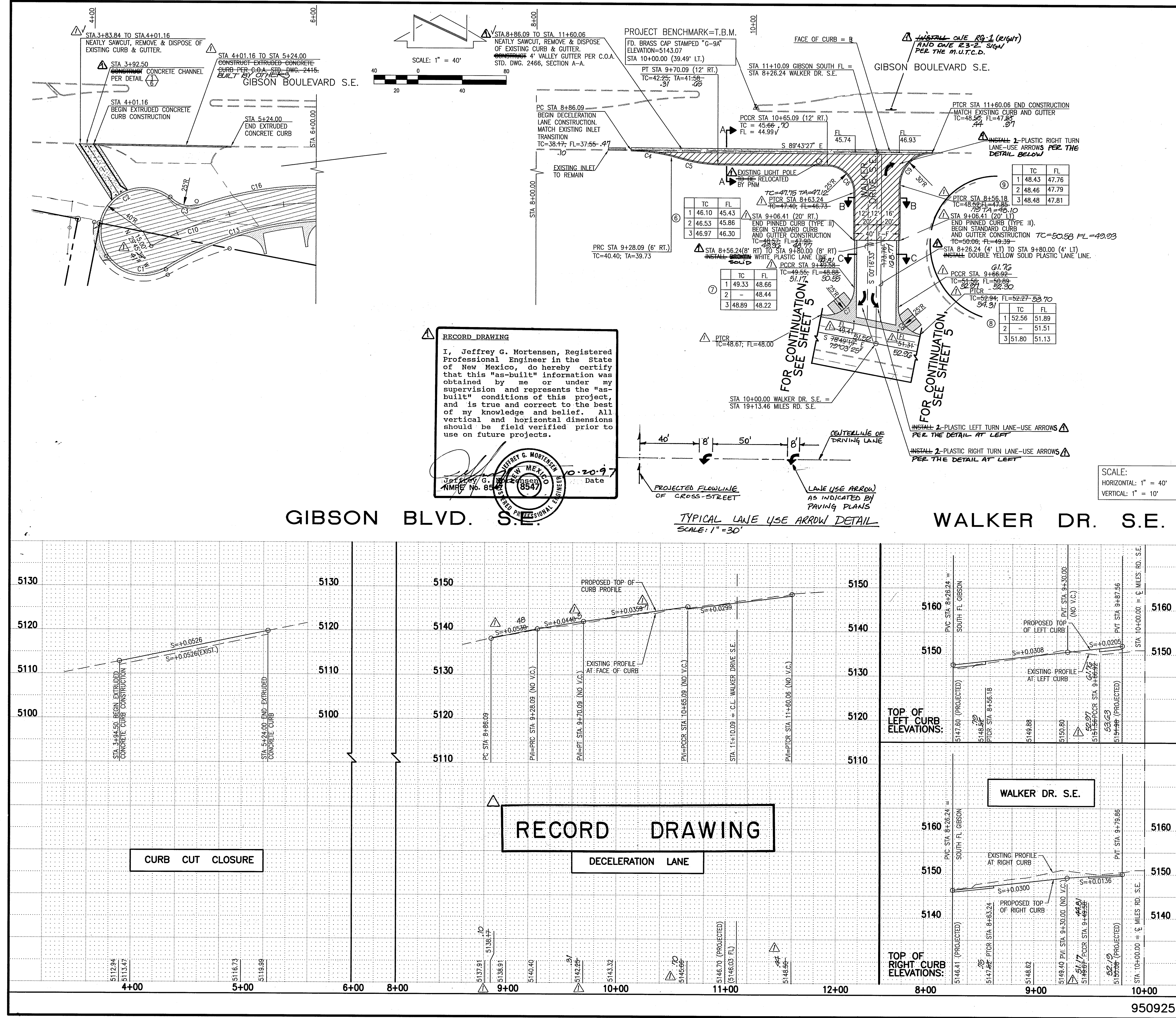
DATE

DATE

DATE

DATE

C:\DATA\ACAD\DWG\950925P2 Tue Dec 10 13:43:55 1995 -JMC



- STREET PAVING IMPROVEMENTS:
1. ALL SLOPES AS SHOWN ON PROFILES ARE BASED ON STREET CENTERLINE STATIONING EXCEPT CUL-DE-SACS, EYEBROWS, AND EXCEPT AS NOTED, WHERE STATIONING IS ALONG FACE-OF-CURB.
 2. WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
 3. ALL DIMENSIONS OF CURB AND CURB RETURNS ARE SHOWN TO FACE-OF-CURB.
 4. ALL WHEELCHAIR RAMPS MUST BE CONSTRUCTED UNDER THIS WORK ORDER PER C.O.A. STD. DWG. 2441 (CASE II).
 5. ALL CURB AND GUTTER SHOWN HEREON SHALL BE STANDARD CURB AND GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING 2415 UNLESS OTHERWISE NOTED.
 6. UPON COMPLETION OF CONSTRUCTION, THE CITY OF ALBUQUERQUE WILL PROVIDE AND INSTALL ALL STREET SIGNS.
 7. SEE SHEET 6 FOR SECTIONS AND DETAILS.
 8. ALL PAVEMENT MARKINGS SHOWN HEREON SHALL COMPLY WITH THE CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1987 (UPDATE NO. 6).
 9. EXTRUDED CONCRETE CURB SHALL CONFORM WITH C.O.A. STD. DWG. 2415 FOR PINNED CURB (TYPE II), IN LIEU OF #4 REBAR PINS, CONTRACTOR MAY CHEMICALLY BOND CONCRETE CURB TO PAVEMENT SURFACE PER MANUFACTURER'S SPECIFICATION, EXCEPT FOR MEDIAN NOSES WHICH MUST BE PINNED.

CURB & CENTERLINE CURVE DATA

CURVE	ARC	DELTA	RADIUS
1	62.01'	88°49'32"	40.00'
2	115.58'	165°33'44"	40.00'
3	26.75'	61°18'39"	25.00'
4	42.57'	16°15'37"	150.00'
5	42.57'	16°15'37"	150.00'
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7	44.03'	100°54'09"	25.00'
8	34.51'	79°05'51"	25.00'
9	47.09'	89°56'11"	30.00'
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- LEGEND
- TC TOP OF CURB
 - FL FLOW LINE
 - NG NATURAL GROUND
 - +91.93 SPOT ELEVATION
 - GUY WIRE/ANCHOR
 - POWER POLE
 - LIGHT POLE
 - MANHOLE
 - CONTROL POINT

26-5319.90 0497

City of Albuquerque
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

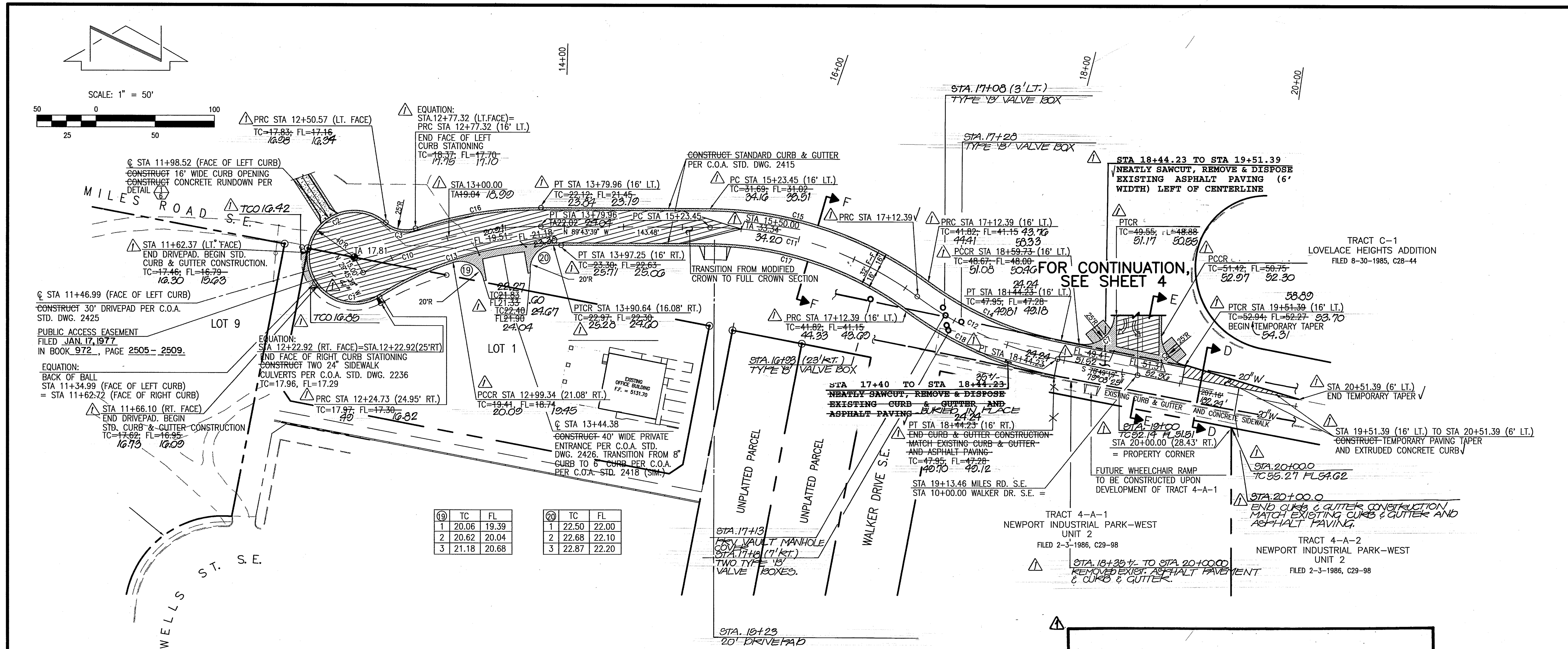
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GIBSON BLVD. S.E. STA 3+90.00 TO STA 11+60.06
WALKER DRIVE S.E. STA 8+26.24 TO STA 10+00.00

City Project No. 950925 Zone Map No. M-15 Sheet 4 of 8

City Engineer Approval: [Signature] Date: 11-96

Design Review Committee: [Signature] Date: 11-96

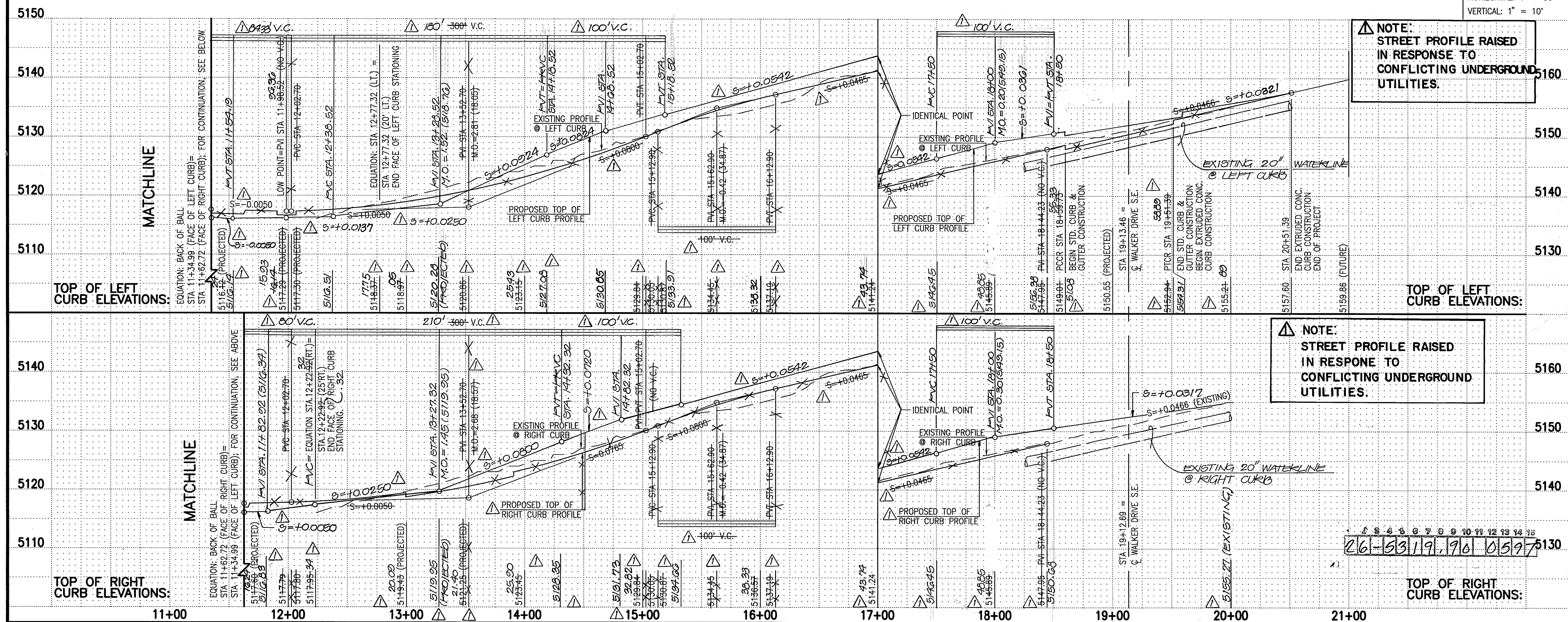
Checked By: JGM Date: 11-96



RECORD DRAWING

MILES ROAD S.E.

SCALE:
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'



STREET PAVING IMPROVEMENTS:

- ALL SLOPES AS SHOWN ON PROFILES ARE BASED ON STREET CENTERLINE STATIONING EXCEPT CUL-DE-SACS AND EYEBROWS WHERE STATIONING IS ALONG FACE-OF-CURB.
- WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- ALL DIMENSIONS OF CURB AND CURB RETURNS ARE SHOWN TO FACE-OF-CURB.
- ALL WHEELCHAIR RAMPS MUST BE CONSTRUCTED UNDER THIS WORK ORDER PER C.O.A. STD. DWG. 2441 (CASE II).
- ALL CURB AND GUTTER SHOWN HEREON SHALL BE STANDARD CURB AND GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING 2415 UNLESS OTHERWISE NOTED.
- UPON COMPLETION OF CONSTRUCTION, THE CITY OF ALBUQUERQUE WILL PROVIDE AND INSTALL ALL STREET SIGNS.
- SEE SHEET 6 FOR SECTIONS AND DETAILS.
- ALL PAVEMENT MARKINGS SHOWN HEREON SHALL COMPLY WITH THE CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1987 (UPDATE NO.6)
- EXTRUDED CONCRETE CURB SHALL CONFORM WITH C.O.A. STD. DWG. 2415 FOR PINNED CURB (TYPE II). IN LIEU OF #4 REBAR PINS, CONTRACTOR MAY CHEMICALLY BOND CONCRETE CURB TO PAVEMENT SURFACE PER MANUFACTURER'S SPECIFICATIONS, EXCEPT FOR MEDIAN NOSES WHICH MUST BE PINNED.

CURB & CENTERLINE CURVE DATA

CURVE	ARC	DELTA	RADIUS
(1)	62.01'	88°49'32"	40.00'
(2)	115.58'	165°33'44"	40.00'
(3)	26.75'	61°18'39"	25.00'
(4)	42.57'	16°15'37"	150.00'
(5)	42.57'	16°15'37"	150.00'
(6)	39.27'	90°00'00"	25.00'
(7)	44.03'	100°54'09"	25.00'
(8)	34.51'	79°05'51"	25.00'
(9)	47.09'	89°56'11"	30.00'
(10)	157.25'	30°02'00"	300.00'
(11)	188.94'	36°05'08"	300.00'
(12)	131.84'	25°18'42"	300.00'
(13)	161.99'	32°40'53"	284.00'
(14)	124.81'	25°10'48"	284.00'
(15)	199.02'	36°05'08"	316.00'
(16)	108.12'	19°36'15"	316.00'
(17)	178.87'	36°05'08"	284.00'
(18)	138.87'	25°10'48"	316.00'

LEGEND

TC	TOP OF CURB
FL	FLOW LINE
NG	NATURAL GROUND
+91.93	SPOT ELEVATION
○	GUY WIRE/ANCHOR
○	POWER POLE
○	LIGHT POLE
○	MANHOLE
○	CONTROL POINT

RECORD DRAWING

I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Jeffrey G. Mortensen
Professional Engineer
New Mexico
No. 8547
Date 12-10-96

Jma

JEFF MORTENSEN & ASSOCIATES, INC.
6800-7 MIDWAY PARK BLVD. NE
ALBUQUERQUE, NM 87109
ENGINEERS & SURVEYORS (505) 343-4280

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: KIRTLAND ADDITION
PAVING IMPROVEMENTS PLAN AND PROFILE
MILES ROAD S.E. STA 11+34.99 TO STA 20+51.39

DESIGN REVIEW COMMITTEE
FEB 18 1997
DESIGN REVIEW COMMITTEE

City Engineer Approval

RECORD DRAWING

SECTION A - A

SCALE: 1" = 5'

SECTION B - B

SCALE: 1" = 5'

SECTION E - E

SCALE: 1" = 6'

DETAIL 1

SCALE: 1" = 10'-0"

SECTION C - C

SCALE: 1" = 5'

SECTION D - D

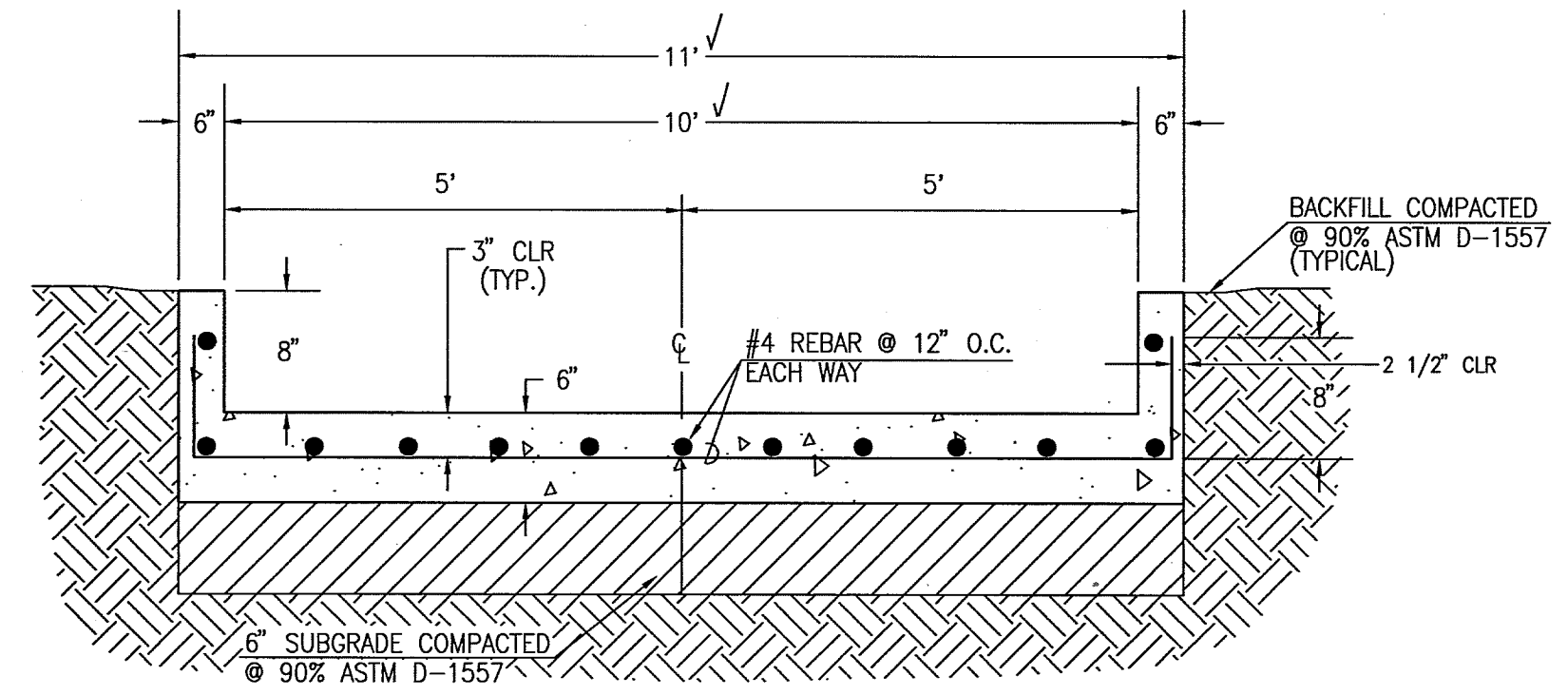
SCALE: 1" = 5'

SECTION F - F

SCALE: 1" = 5'

RUNDOWN CALCULATIONS

- Curb Opening
 $Q = CLH^{3/2}$
 $C = 2.7$
 $Q = 23.5 \text{ cfs (Per M.D.P.)}$
 $H = 0.67 \text{ ft (8" curb height)}$
 Therefore: $L = 15.87 \text{ ft}$
 Use 16.0 ft design width
 Using Manning's Equation
 Let: $n = 0.013$
 $S = 0.0009 \text{ ft/ft}$
 $Q = 23.5 \text{ cfs (Per M.D.P.)}$
 $H = 0.67 \text{ ft (8" curb height)}$
 Therefore: $W = 15.87 \text{ ft}$
- Channel Width
 Using Manning's Equation
 Let: $n = 0.013$
 $S = 0.0009 \text{ ft/ft}$
 $Q = 23.5 \text{ cfs (Per M.D.P.)}$
 $H = 0.67 \text{ ft (8" curb height)}$
 Therefore: $W = 15.87 \text{ ft}$
- Velocity times Depth per D.P.M.
 $vd < 6.5 @ Q_{10}$
 Using Manning's Equation
 Let: $n = 0.013$
 $S = 0.0009 \text{ ft/ft}$
 $Q_{10} = 0.57 @ Q_{100} = 0.67(23.5) = 15.7 \text{ cfs}$
 $W = 10.0 \text{ ft}$
 Therefore: $v = 1.5 \text{ ft/s}$
 $d = 0.42 \text{ ft}$
 $vd = 0.62 < 6.5$



SECTION G - G

SCALE: 1" = 2'-0"

RECORD DRAWING

I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Jeffrey G. Mortensen
 8547
 10-20-97

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 ALBUQUERQUE, NEW MEXICO 87109
 ENGINEERS SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
KIRTLAND ADDITION PAVING SECTIONS AND DETAILS	
DESIGN REVIEW COMMITTEE APPROVE FEB 18 1997 DESIGN REVIEW COMMITTEE	City Engineer Approval Last Design Update
City Project No. 950925	Zone Map No. M-15 Sheet 6 of 8

AS BUILT INFORMATION	
CONTRACTOR	RUSS PITNEY EARTHMOVING
WORK	JMA
DATE	07/97
BENCH MARKS	
ACS CONTROL MINIMUM "G-9A"	3 1/4" ALUMINUM TABLET STAMPED "ACS, G-9A, 1984"
DATE	07-95
BY	JMA
SURVEY INFORMATION	
NO.	940864
DATE	07-95
BY	JMA
NO.	940868
DATE	10-95
BY	JMA
ENGINEER'S SEAL	
MDS	
BY	
REVISIONS	
DESIGN	
NO.	DATE
DESIGNED BY	GRB
DATE	08-96
DRAWN BY	TNT/JMC
DATE	08-96
CHECKED BY	JGM
DATE	08-96

