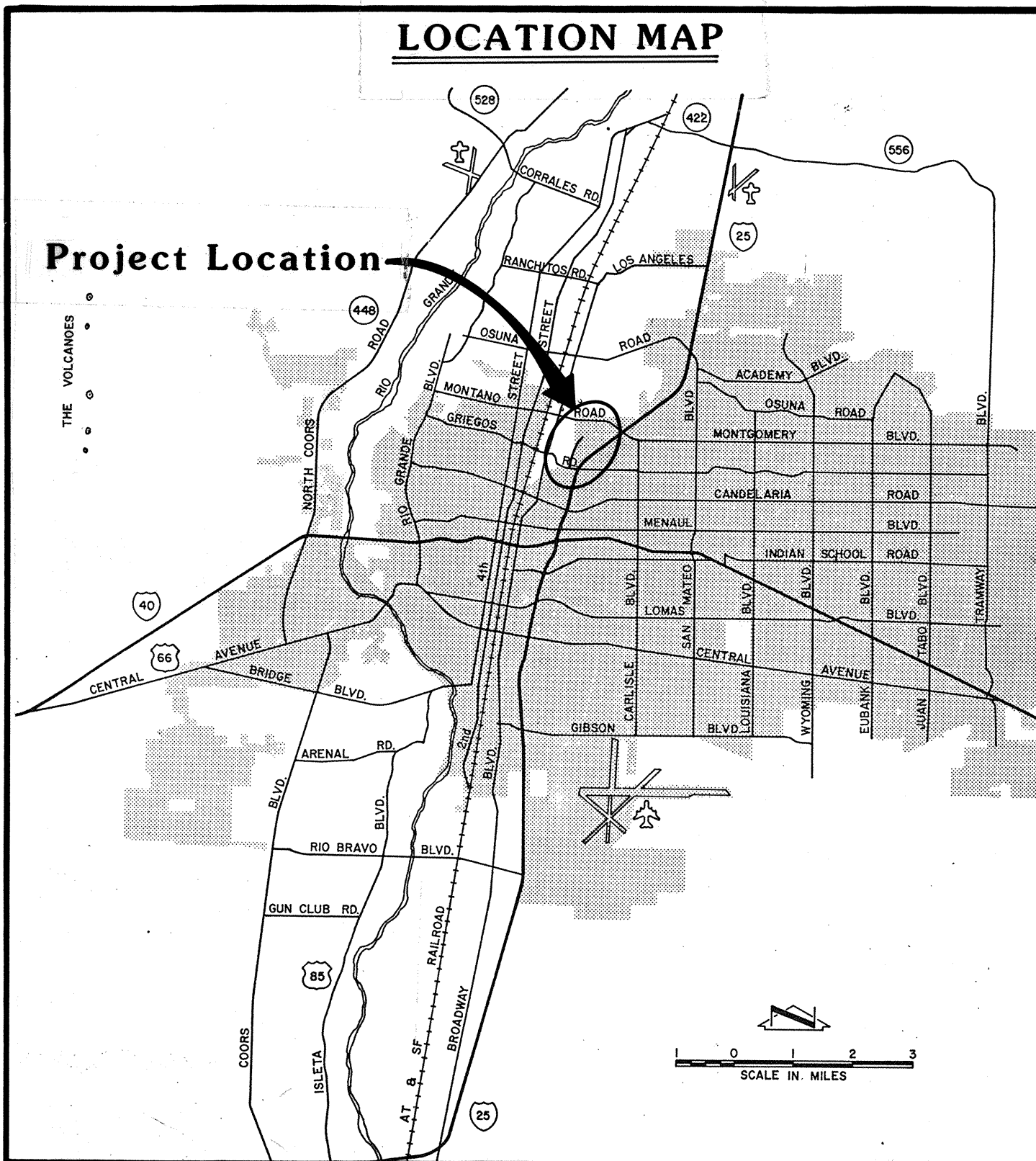




CITY OF ALBUQUERQUE



PUBLIC WORKS DEPARTMENT
ENGINEERING DESIGN (TRANSPORTATION)

ALEXANDER BOULEVARD ROADWAY IMPROVEMENTS GRIEGOS ROAD TO CARMONY LANE

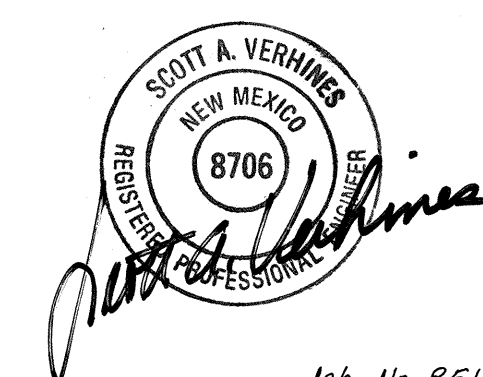
1986

JOB NO. **85134**
SET NO. _____

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Samuel B. Hines
DATE **5-12-87**

1 2 3 4 5 6 7 8 9 10 11 12
26 26 130 187

△	6 of 6	<i>h</i>	8/1/86								
△	6 of 6										
REV.	SHEETS	CITY	ENGR.	DATE	USER	DEPT.	DATE	USER	DEPT.	DATE	
APPROVAL OF REVISIONS											



Job No. 85134

SCANLON ASSOCIATES
CONSULTING ENGINEERS
DRAWING NO. **2613** MAP NO. **G-15**

APPROVED FOR CONSTRUCTION
Samuel B. Hines
7/17/86 C.E.
SHEET **1** OF **6**

RECORD DRAWING MARCH 87

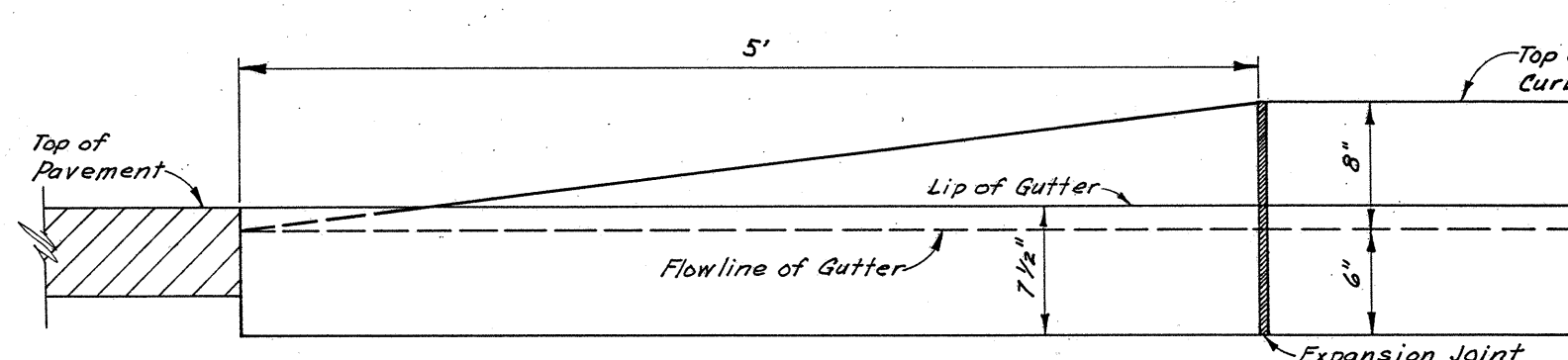
SCANNED
BY *casen*

GENERAL NOTES

- City of Albuquerque Interim Standard Specifications for Public Works Construction 1985 Edition, and any revisions and/or additions in the Specifications and Contract Documents, shall govern the construction of this project.
- The Contractor shall notify all utility companies when working near their systems, two (2) full working days prior to any excavation, Contractor must contact Line Locating Service, 765-1234, for location of existing utilities.
- All existing utilities shown here were taken as accurately as possible from record drawings and surface indications. It shall be the Contractor's responsibility to protect, maintain in service, and verify exact locations of all affected utilities during construction of this project.
- All utilities which are to be abandoned under this contract shall be plugged with concrete at each end of the portion to be abandoned. Payment for this work will be incidental to the work on the adjacent lines.
- Curb return radii and street widths are to the face of the curb unless otherwise indicated in the plans.
- Where removal of existing curb and gutter or sidewalk is required, remove to the nearest joint or saw cut.
- When abutting new paving to existing, saw cut existing paving on a right angle, or as required by the Project Engineer to remove any broken, raveled, or cracked paving and match the new paving grade to the existing. No separate payment shall be made but shall be considered incidental to the project.
- Curb and gutter shown as existing and not to be removed under this contract which is damaged or displaced by the Contractor or his sub-contractors, shall be replaced by the Contractor at his expense.
- Existing materials to be removed and paid for on a unit basis shall be measured and the quantities approved by the Engineer before removal.
- Connection of new sewer lines to existing manholes and plugging of existing lines in manholes shall be incidental to other items of work.
- The Contractor shall expose existing water lines at locations where new sanitary sewer lines cross or parallel such lines within 5 feet in order to adequately establish the proximity of water and sewer lines. The cost of this work shall be incidental to other items of work.
- Prior to construction, exploratory excavation may be required as directed by the Project Engineer to more specifically locate utility lines. There will be no direct payment for this item of work. Cost will be considered incidental to other items of work.
- All water meters, water valve boxes, and sewer manholes in the construction area where street grades change are to be adjusted by the contractor to finished grade under this contract. The Contractor shall be required to set reference points for locating manholes prior to any grading operation. Measurement and payment for this work shall be included in unit price bid for appropriate items.
- No separate bid item has been established for concrete curb return fillets. Cost to be included in price bid per Square Foot of P.C.C. Valley Gutter.
- The Contractor will be required to confine his work within the construction limits and/or right-of-way to preserve existing vegetation and private property.
- Utility relocation schedules shall be confirmed for coordination at the pre-construction conference.
- Utility relocations required by the construction of this project are to be coordinated by the Contractor during construction. No additional compensation will be allowed for delays or inconveniences caused by utility company work crews. The Contractor may be required to re-schedule his activities to allow utility crews to perform their required work.
- The Contractor shall maintain access to businesses and residences adjacent to the construction area at all times unless such is unavoidable. Maximum Access closing for business shall in no way exceed two (2) hours during business hours. Maximum Access closing to residents shall not exceed eight (8) hours. Construction equipment and materials shall not be stored within the roadway or on the median during non-working hours, except within a barricaded, secured, closed area of the street. Any access closure to be approved by Traffic Engineering.
- All valve box rings and covers shall be painted with blue enamel or epoxy paint. Color shall be equivalent to "Safety Blue".
- Sidewalks and wheelchair ramps within the curb returns shall be constructed wherever a new curb return is constructed. Wheelchair ramps shall be paid for at the unit price for sidewalks.

REVISION NOTES

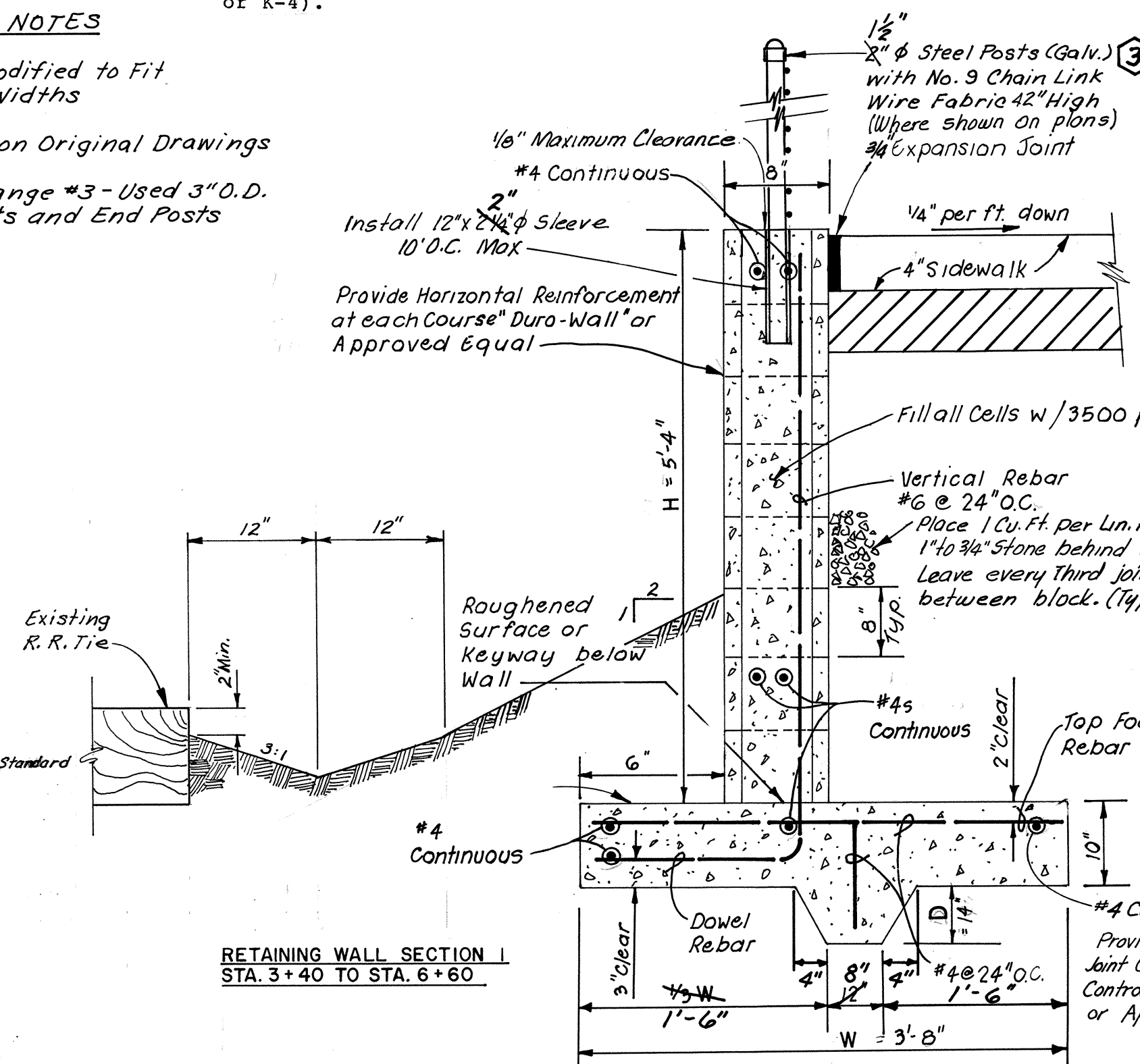
- Keyway Modified to Fit Footing Widths
- Omitted on Original Drawings
- Field Change #3 - Used 3" O.D. Full Posts and End Posts



5' CURB TRANSITION

Not to Scale

- A disposal site for all excess excavation material, asphaltic paving, concrete paving, etc. shall be obtained by Contractor, and approved by the Project Engineer in compliance with applicable regulations. All costs incurred in obtaining a disposal site and haul thereto shall be considered incidental to bid item number 1, 12, 13, or 14 as appropriate, and no separate payment will be made thereof.
- Fifty ton roller operation shall not be used on this project where underground utilities are present. The required compaction of these locations shall be effected by other types of approved compaction methods.
- 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.
- Quantities for borrow or onsite hauling of suitable fill materials have been estimated from field surveys. The quantity is estimated at 320 cubic yards, but may or may not reflect existing conditions, and Contractor is advised to perform his own estimate of the work required.
- Temporary Construction easement limits as shown on the plans are subject to verification by City of Albuquerque Public Works Department.
- WARNING** If any utility lines, pipelines or underground utility lines are shown on these drawings, they are shown in 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 utility or pipeline company, the owner, or by other (except where specifically noted as field verified), and the information may be incomplete, or may be obsolete by the time construction commences. The Engineer has undertaken no field verification of the location, depth, size or type of existing utility lines, pipelines, or underground utility lines, (except where field verification is specifically noted), makes no representation pertaining thereto, and assumes no responsibility or liability therefore. 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 the 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. 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, in planning and conducting excavation, whether by calling or notifying the utilities, complying with "blue stakes" procedures, or otherwise. (See also Note 2).
- Roadway striping shall be provided by City of Albuquerque Forces.
- Steps are required in all drop inlets and manholes over 4 feet deep. All manhole and drop inlet steps shall be 1/2" grade 60 steel reinforcing rod encapsulated in a co-polymer polypropylene as manufactured by M.A. Industries, Inc. (model #P-2-PFS) or equal. Steps are not to be precast in place but shall be installed as recommended by the manufacturer after the manhole or catch basin has been constructed. Top two steps to protrude 4 inches into manhole, all other 5 inches. Spacing between steps to be 16 inches O.C., first step to be 18 inches from manhole rim, last step to be 18 inches maximum from manhole invert. For step placement in drop inlets, see appropriate Standard Detail (K-1 or K-4).



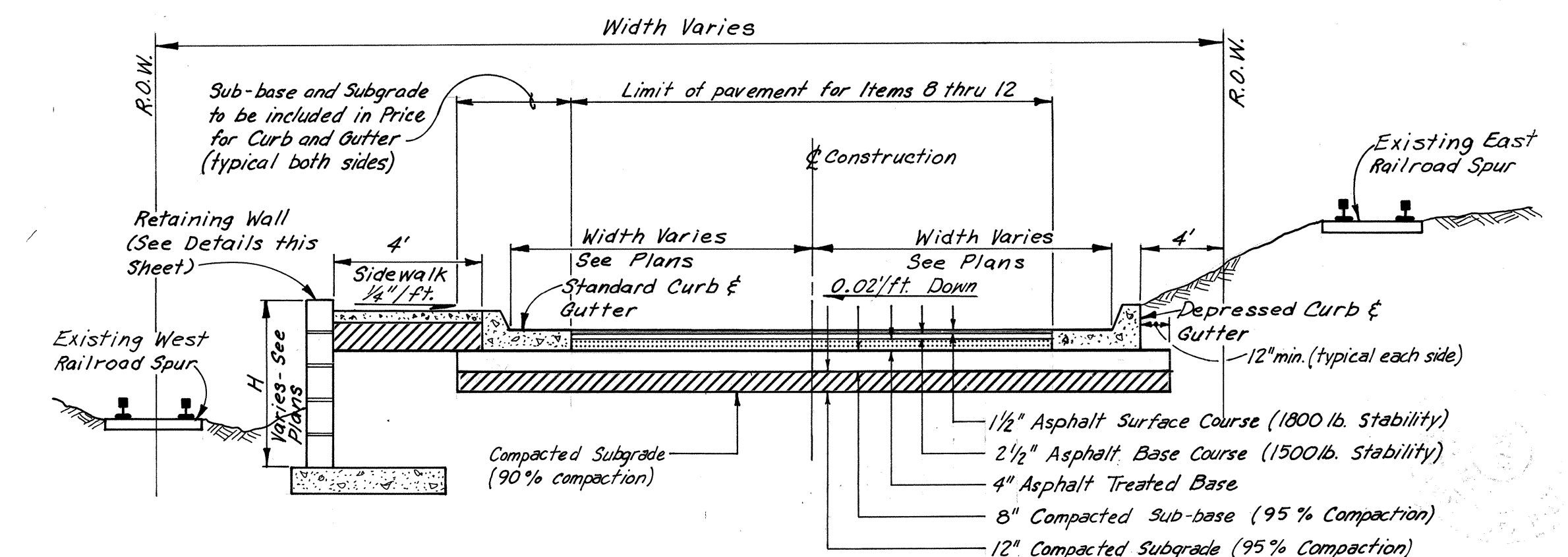
RETAINING WALL SECTION 1
STA. 3+40 TO STA. 6+60

BLOCK MASONRY RETAINING WALL DETAILS

Not to Scale

LEGEND

EXISTING CURB AND GUTTER	— SAS —	EXISTING SANITARY SEWER
NEW STANDARD AND MEDIAN CURB AND GUTTER	— SD —	EXISTING STORM DRAIN
NEW ASPHALT CURB	— W —	EXISTING WATER LINE
EXISTING SIDEWALK	— G —	EXISTING GAS LINE
PAVEMENT REPLACEMENT PER C.O.A. STD. DWG. P-2	— SAS —	NEW SANITARY SEWER
EXISTING SIGN	⊙	NEW SANITARY SEWER MANHOLE
EXISTING POLE	⊙	NEW STORM DRAIN
EXISTING CHAIN LINK FENCE	⊙	NEW STORM DRAIN MANHOLE
EXISTING BLOCK WALL	⊙	NEW CATCH BASIN
EXISTING WIRE FENCE	⊙	EXISTING SPOT ELEVATION
EXISTING WOOD FENCE	⊙	NEW SPOT ELEVATION
NEW CHAIN LINK FENCE	⊙	EXISTING TELEPHONE LINE
PI OR CONTROL POINT	⊙	EXISTING CABLE TELEVISION LINE
CONSTRUCTION & AND SURVEY &	⊙	EXISTING WATER METER
R/W LINE	⊙	EXISTING WATER VALVE
ELEVATION OF HYDRAULIC GRADE LINE	⊙	EXISTING FIRE HYDRANT
FLOW RATE C.F.S. 100 YEAR-6 HOUR RUNOFF	⊙	NEW FIRE HYDRANT
VELOCITY (FT./SEC) 100 YEAR-6 HOUR RUNOFF	⊙	REMOVAL OF EXISTING CURB AND GUTTER
REMOVAL OF EXISTING ASPHALT PAVEMENT	⊙	



TYPICAL ARTERIAL/COLLECTOR STREET SECTION

DIMENSION TABLE SECTION (2)

FROM STA.	TO STA.	H	W
1+20	2+00	4'-0"	2'-10"
2+00	3+40	4'-8"	3'-2"
3+40	6+60	4'-8"	3'-2"
6+60	8+00	4'-0"	2'-10"
8+00	9+40	3'-4"	2'-4"
9+40	10+40	4'-0"	2'-10"
10+40	11+20	3'-4"	2'-4"
11+20	11+60	2'-8"	2'-0"

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DESIGN (TRANSPORTATION)
TITLE: ALEXANDER BOULEVARD
GENERAL NOTES, TYPICAL SECTION
AND MISCELLANEOUS DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY ENGINEER	Mr. D. L. Lundy	7-17-86	Liquid Waste	R. Pera	7/1/86
A.C.E. - Design	Mr. D. L. Lundy	7/2/86	Traffic	Mr. D. L. Lundy	7/1/86
A.C.E. - Hydrology	Mr. D. L. Lundy	7/2/86	Water	R. Pera	7/1/86

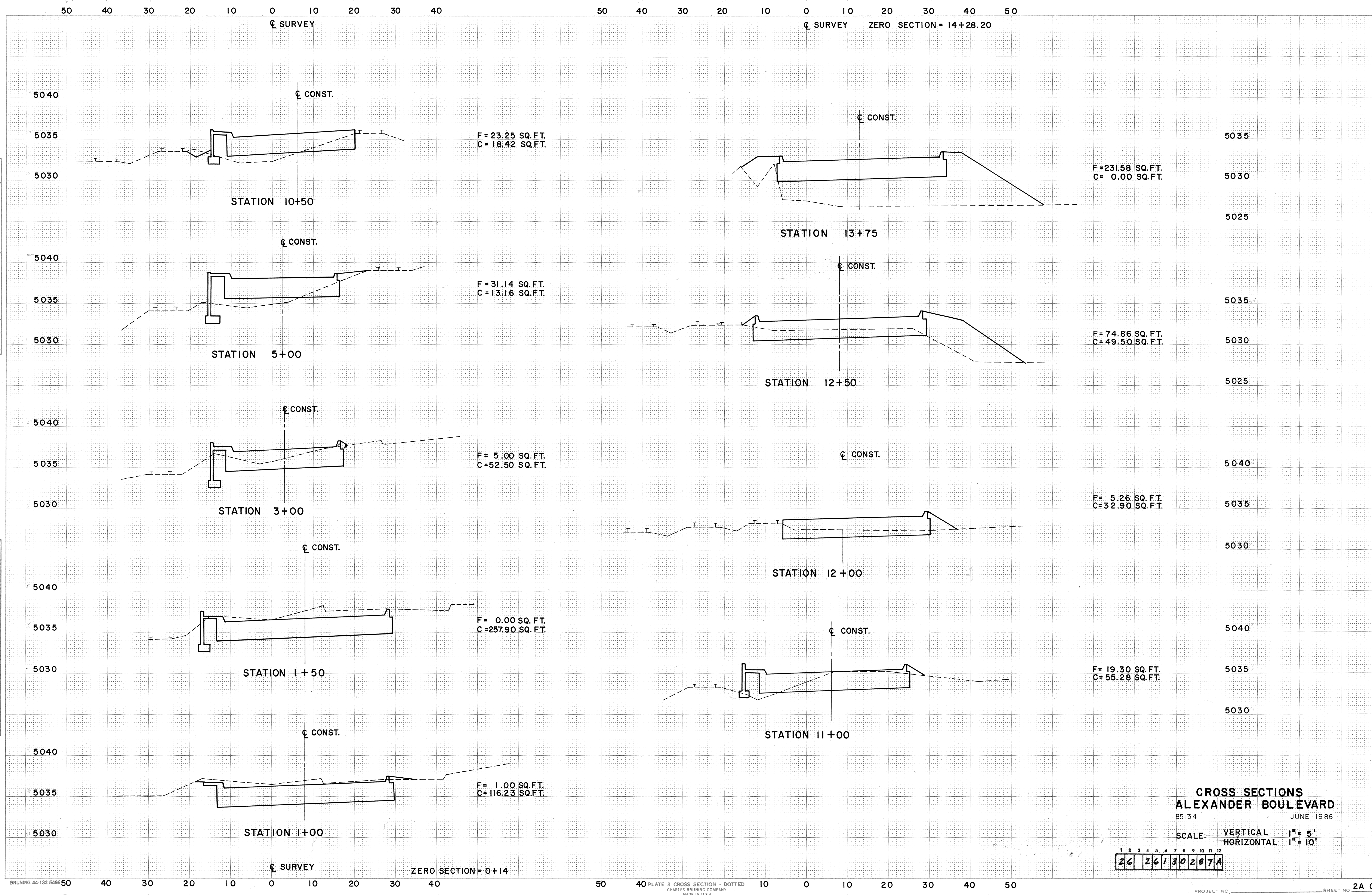
DRAWING NO.	2613	MAP NO.	G-15	SHEET 2 OF 6
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RECORD DRAWING MARCH 87

FINAL	SURVEY	DATE	BY
NO.	NO.		
	PLOTTED		
	DATE		
	AREAS		
	CHECKED		

SCANLON AND ASSOCIATES
ENGINEERS PLANNERS

ORIGINAL	SURVEY	DATE	BY
NO.	NO.		
	PLOTTED		
	DATE		
	AREAS		
	CHECKED		



RECORD DRAWING MARCH 87

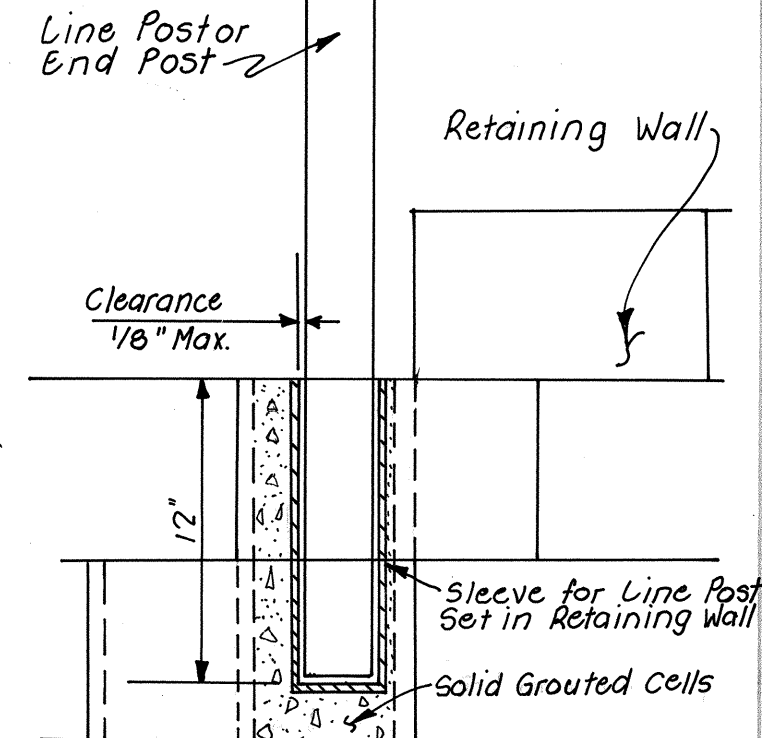
SURVEY CENTERLINE
POINT OF BEGINNING
STA -1+00

Right of Way
Curve Data
R=186.86'
L=59.98'
Δ=2°45'42"

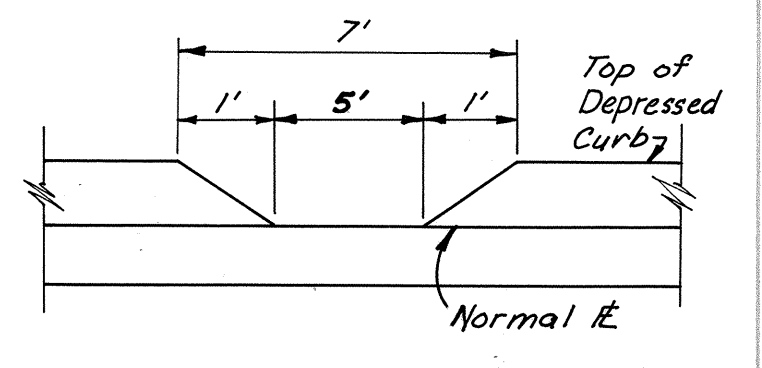
Construction Sta. 0+142 to Sta. 0+77
Construct Asphalt Connection to Comanche Road. Use Pavement Section per City of Albuquerque Standard Drawing P-2 Paving-Residential Street Section Sawcut Existing Comanche Road Paving to a Smooth Edge Prior to Placing Temporary Asphalt Connect.

Asphalt Parking Area
Right of Way
Curve Data
R=25.00'
L=43.08'
Δ=98°44'09"
T=29.14'

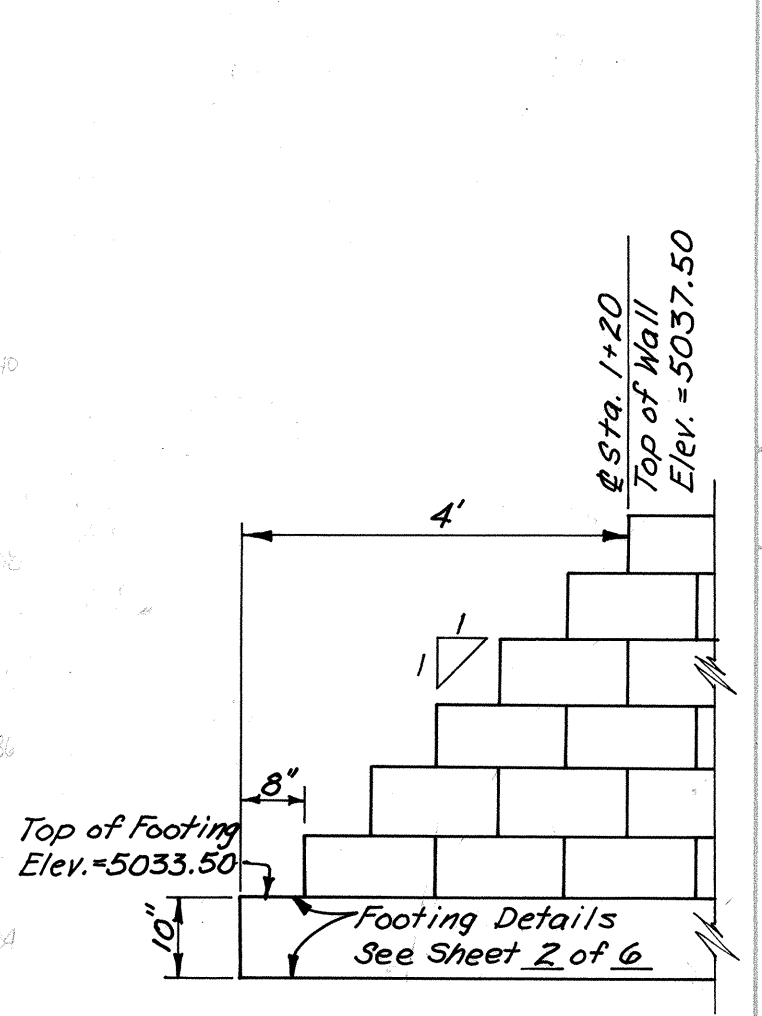
Face of Curb
Curve Data
R=1151.75'
T=16.97'
Δ=1°41'18" Rt.
R=1151.75'
T=16.97'
Δ=1°41'18" Lt.



TYPICAL POST
SETTING DETAIL
Not to Scale



7' CURB OPENING
Not to Scale



RETAINING WALL
END SECTION
STA. 1+20 LEFT

SCALES
HORZ. 1" = 20'
VERT. 1" = 2'

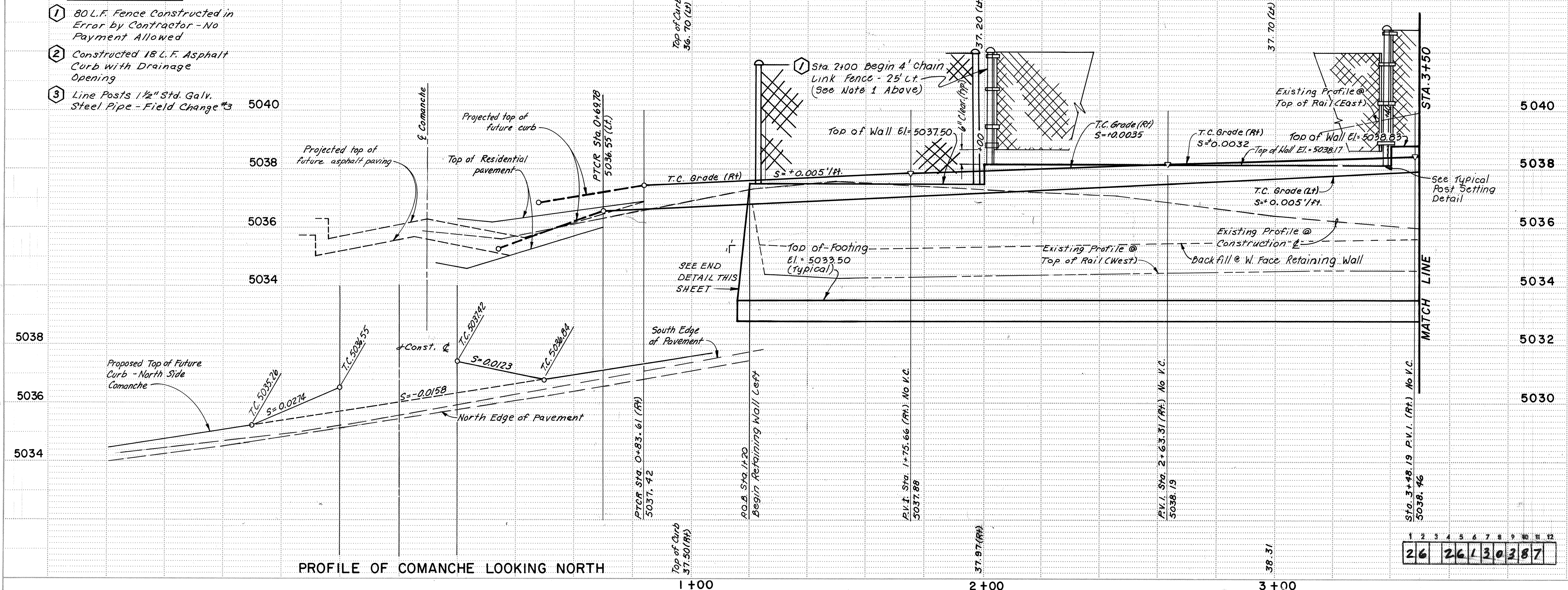
NOTES:

- Chain Link Fence shall be 4' High above Retaining Wall, or Standard 42" Fabric, Top Rail and Bottom Tension Wire. Fabric, Top Rail, End Posts and Top Rail shall conform to the Requirements of Section 410 of the Interim Std. Specs. Payment shall be on a per Linear Foot Basis for fencing installed including all Hardware, sleeves, etc. Maintain 6" clearance between top of Retaining Wall and Bottom of Fence (typical).

REVISION NOTES

- 80 L.F. Fence Constructed in Error by Contractor - No Payment Allowed
- Constructed 18 L.F. Asphalt Curb with Drainage Opening
- Line Posts 1/2" Std. Galv. Steel Pipe - Field Change

PROFILE OF COMANCHE LOOKING NORTH



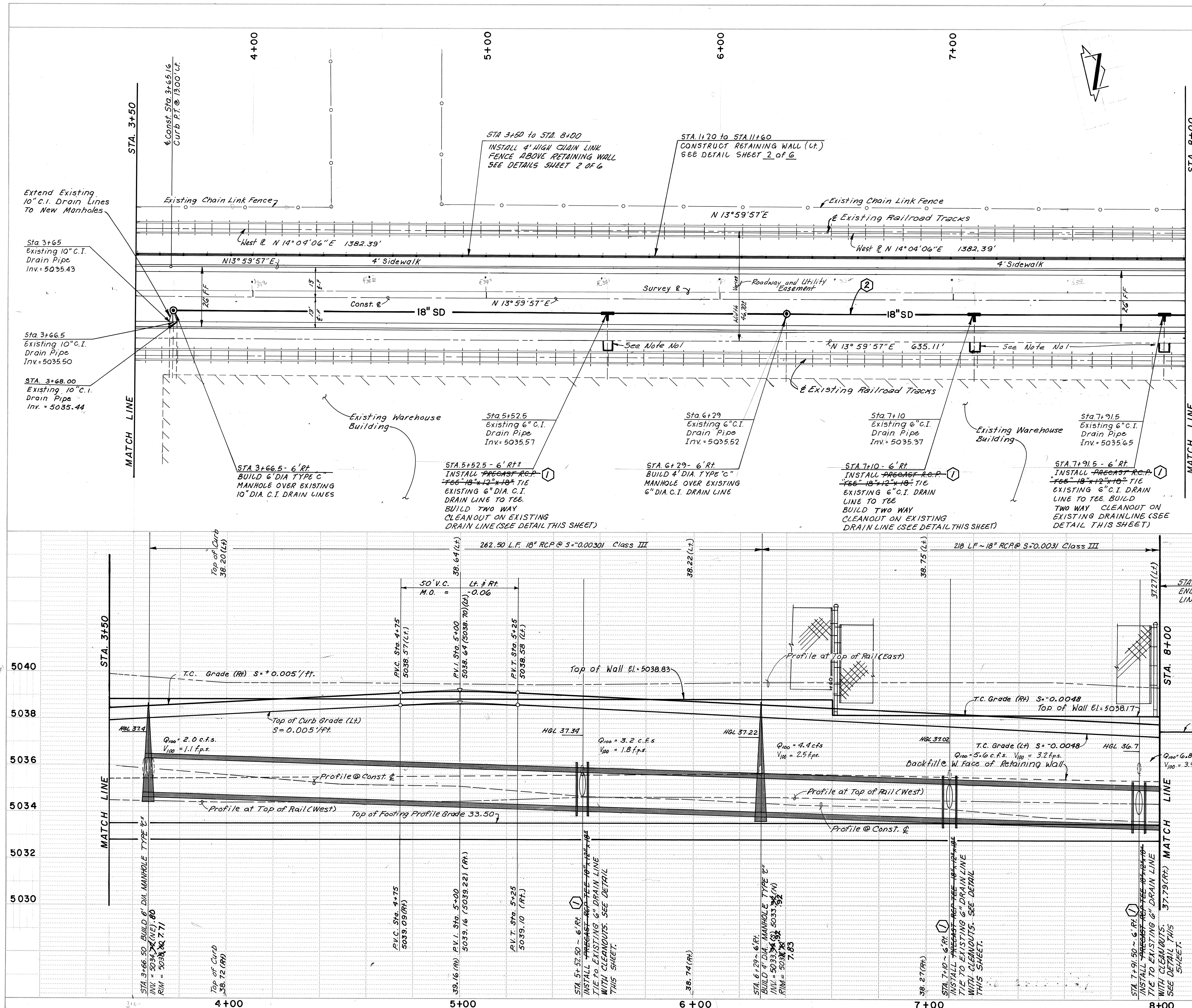
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DESIGN (TRANSPORTATION)

TITLE: PAVING PLAN & PROFILE
ALEXANDER BOULEVARD
STATION 1+00 TO STATION 3+50

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
AGINA, D.R.	Joe D. Lopez	7-16-86	Liquid Waste	R. Perez	6/6/86
Design	Joe D. Lopez	7/2/86	Traffic	Donna Thompson	7/1/86
Hydrology	"	"	Water	R. Perez	6/6/86

DRAWING NO. 2613 MAP NO. G-15 SHEET 3 OF 6

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN		CHECKED BY	
CONTRACTOR	J.R. HALE CONTRACTING CO., INC.	DATE	1986	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
STATION	1-25-20 SET IN CONCRETE POST 45' NW	DATE	1986	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
FIELD	WEST FRONTAGE ROAD - 0.51 MILE SOUTH OF	DATE	1986	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
FIELD	MONTANO ROAD ELEV=5079.416	DATE	1986	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
FIELD	NMSHC 1-25-21-BRASS TABLET STAMPED	DATE	1986	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
FIELD	"STA. 1-25-20" SET IN CONCRETE POST BETWEEN	DATE	1986	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
FIELD	1-25 NORTH & EAST FRONTAGE ROAD 150' ±	DATE	1986	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
FIELD	SOUTH OF HWY SIGN "SANTA FE-58 DENVER -455"	DATE	1986	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
FIELD	65' ± WEST OF E EAST FRONTAGE RD. ELEV=5079.47	DATE	1986	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE



NOTES:
1- Temporary 5' x 5' Construction Permit Required for Construction of Cleanouts. Cleanouts to be located outside of the roadway easement.

REVISION NOTES

- 18" x 6" Tapping Saddle - Field Change #4
- 18" Storm Drain Line Relocated Per Revision No. 1 This Sheet As Shown - Field Change #2
- Installed 18" x 6" Stainless Steel Strap Tapping Saddles With 6" Drilled Holes in 18" R.C.P. No Change in Contract Price - Field Change #4
- Substituted Standard 6" x 4" C.I. Double Cleanout Fitting, in Lieu of Detail as Shown on Original Drawings - Field Change #2

ENGINEER'S SEAL

DATE: 1-6-86

DESIGNED BY: C.E.A. DATE: 1-86

DRAWN BY: C.W. DATE: 1-86

CHECKED BY: DATE:

REVISIONS

NO.	DATE	REMARKS
1	1-86	Realign 18" SD - Field Change D.M.
2	3-87	Record Drawing Notations

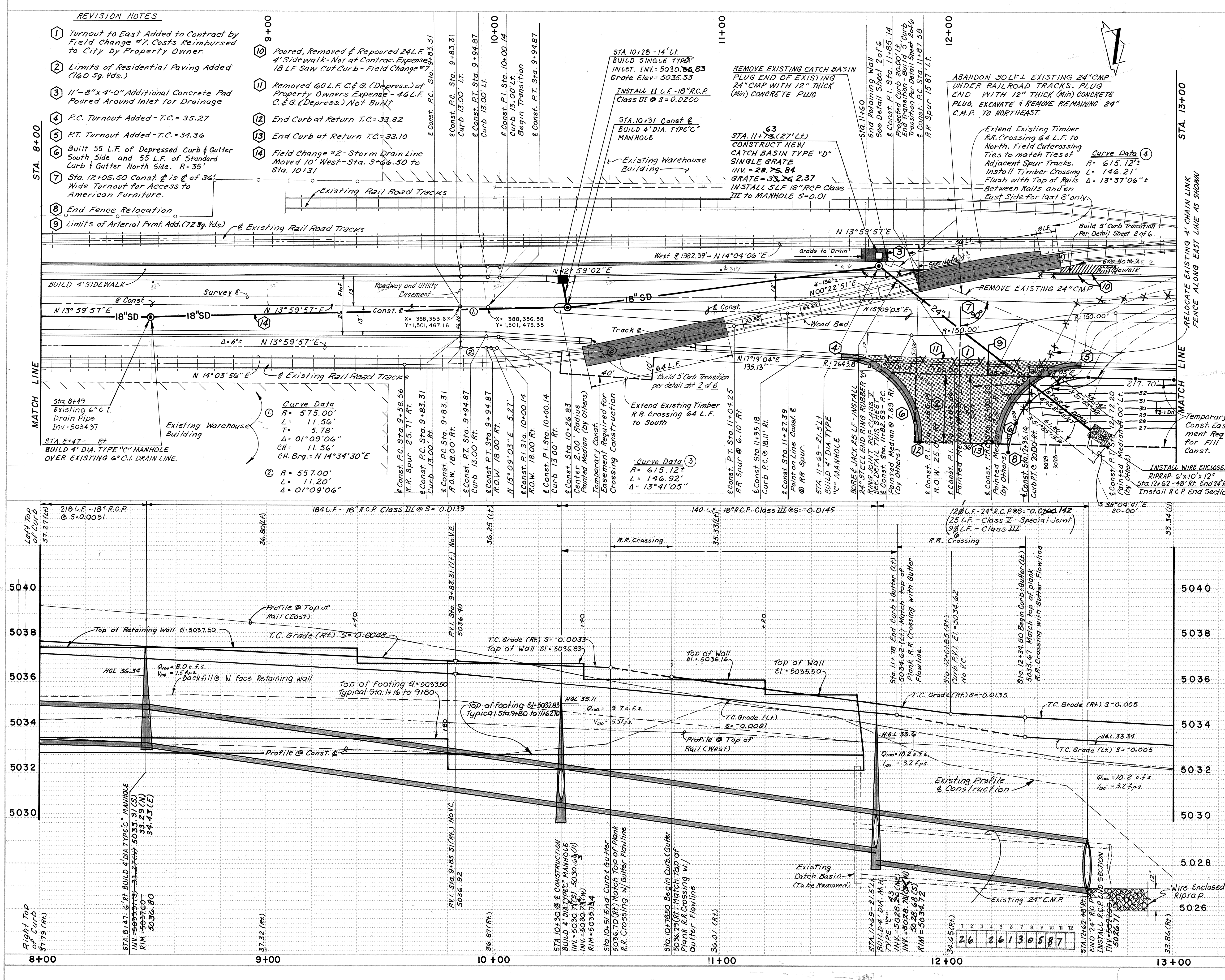
APPROVALS

ENGINEER	DATE	APPROVALS	ENGINEER	DATE
APRIL D.	7-16-86	Liquid Waste	RITA N.A.	6/6/86
A.C.E. Design	7/2/86	Traffic	RITA N.A.	7/1/86
A.C.E. Hydrology	"	Water	RITA N.A.	6/6/86

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DESIGN (TRANSPORTATION)

TITLE:
PAVING PLAN & PROFILE
ALEXANDER BOULEVARD
STATION 3+50 TO STATION 8+00

DRAWING NO. 2613 **MAP NO. G-15** **SHEET 4 OF 6**



NOTES:

- EXTENSIONS OF EXISTING TIMBER RAILROAD CROSSING SHALL BE AS MANUFACTURED BY "KOPPERS COMPANY, INC. - INDUSTRIAL GRADE CROSSING" OR APPROVED EQUAL.
- "MITER" NEW 4" SIDEWALK ATTENDS ADJACENT TO RAILROAD CROSSING OR TIES, PARALLEL TO ENDS OF CROSSTIES. WARP SIDEWALK TO MATCH TOP OF THE GRADE.
- EXTENSION OF THE EXISTING TIMBER CROSSING SHALL INCLUDE ALL WORK NECESSARY TO COMPLETE THE CROSSING, INCLUDING RELOCATION OF THE EXISTING TAPERED END PANELS TO THE NEW ENDS OF THE CROSSING.

24" R.C.P. - STEEL END RING JOINT DETAIL

Not to Scale
Minimum Pipe Class = V
Pipe Inside Diameter = 24"
Wall Type = C
Bell Ring Min. Thickness = 1/4"
Min. Laying Length = 8.0'

RETAINING WALL END SECTION

STA 11+60 LEFT

SCALES
HORZ. 1" = 20'
VERT. 1" = 2'

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DESIGN (TRANSPORTATION)

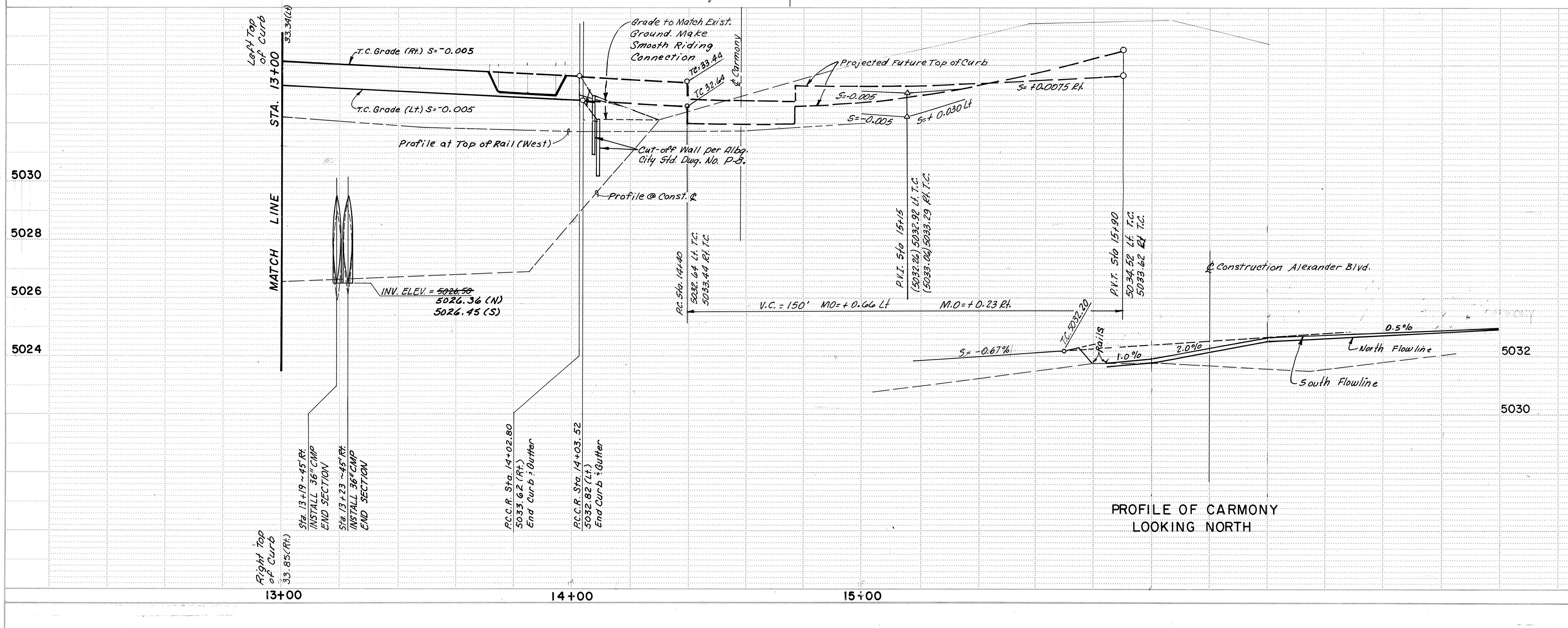
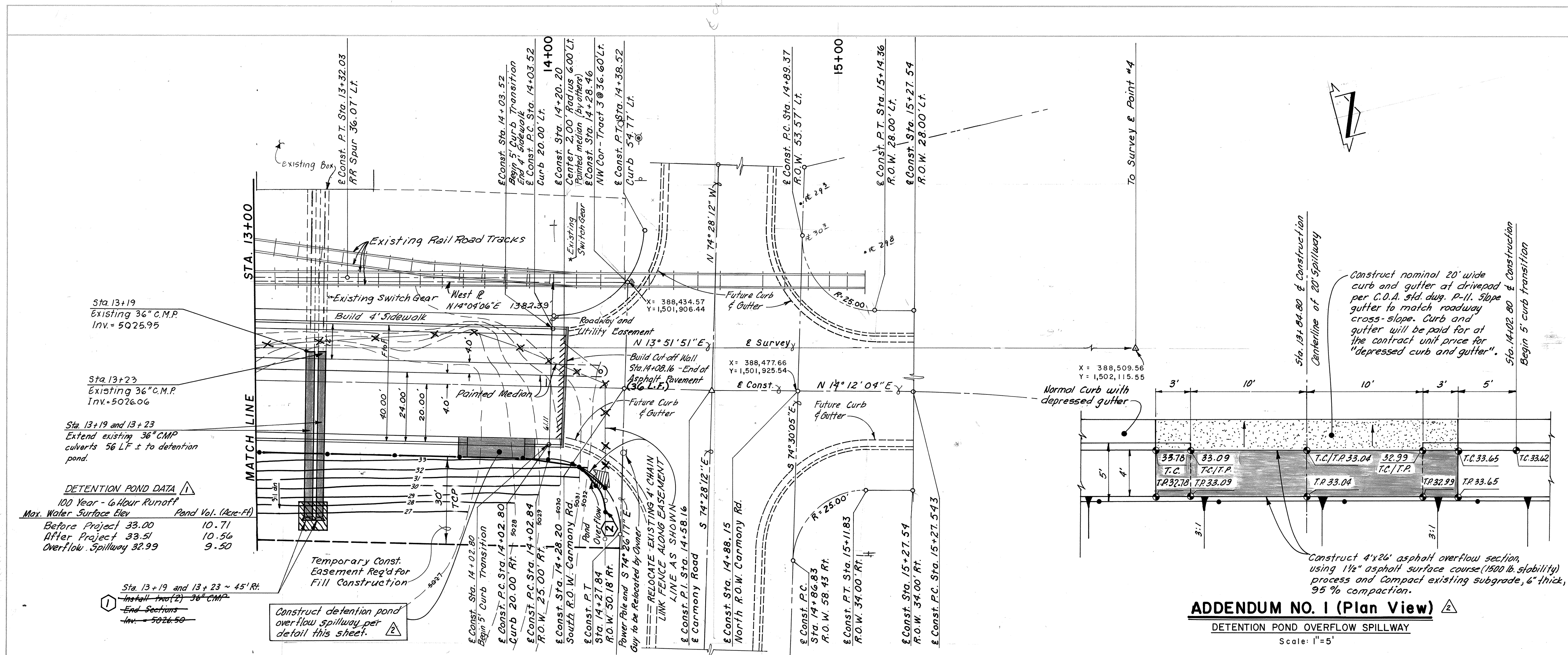
TITLE: PAVING PLAN & PROFILE
ALEXANDER BOULEVARD
STATION 8+00 TO STATION 13+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
ACTING P.E.	Joe D. Smith	7-16-86	Liquid Waste	R. P. N.	6/6/86
P.E. - Design	Joe D. Smith	7/2/86	Traffic	R. P. N.	6/6/86
P.E. - Hydrology			Water		

NO.	DATE	REMARKS	BY
1	10/86	Realignment of 18" SD - Field Change D.M.	R.M.M.
2	3/87	Record Drawing Notations	

NO.	DATE	REVISIONS	DESIGN
1	10/86	DESIGNED BY C.E.A.	
2	1-86	DRAWN BY C.W. R.L.H.	
3	1-86	CHECKED BY	

DRAWING NO. 2613 MAP NO. G-15 SHEET 5 OF 6



REVISION NOTES

- Install 13'x12'x8" Thick Wire-Tied Rip-Rap End Treatment-Field Change #5
- End Relocation

AS BUILT INFORMATION

CONTRACTOR: J.R. HALE CONTRACTING CO., INC.
 WORK: STATED BY SCAMMON & ASSOCIATES, DATE: 1986
 INSPECTED BY: [Signature]
 FIELD: [Signature]
 CHECKED BY: [Signature]
 DATE: 7/2/86
 MICRO-FILM INFORMATION: DATE: 7/2/86

ENGINEER'S SEAL

8/11/86 Pond Data per Addendum No. 1
 8/11/86 Added Addendum No. 1
 3/87 Record Drawing Notations

REVISIONS

NO.	DATE	REMARKS
1	7/2/86	DESIGN

DESIGNED BY: C.E.A. DATE: 1-86
 DRAWN BY: C.W. RLH DATE: 1-86
 CHECKED BY: [Signature]

**CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DESIGN (TRANSPORTATION)**

**TITLE: PAVING PLAN & PROFILE
 ALEXANDER BOULEVARD
 STATION 13+00 TO STATION 15+00**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
ACTING	Joe D. Leary	7-17-86	Liquid Waste	R. Pina	7/16/86
Design	Joe D. Leary	7/2/86	Traffic	David L. Thompson	7/16/86
Hydrology	"	"	Water	R. Pina	7/16/86

DRAWING NO. 2613 MAP NO. G-15 SHEET 6 OF 6