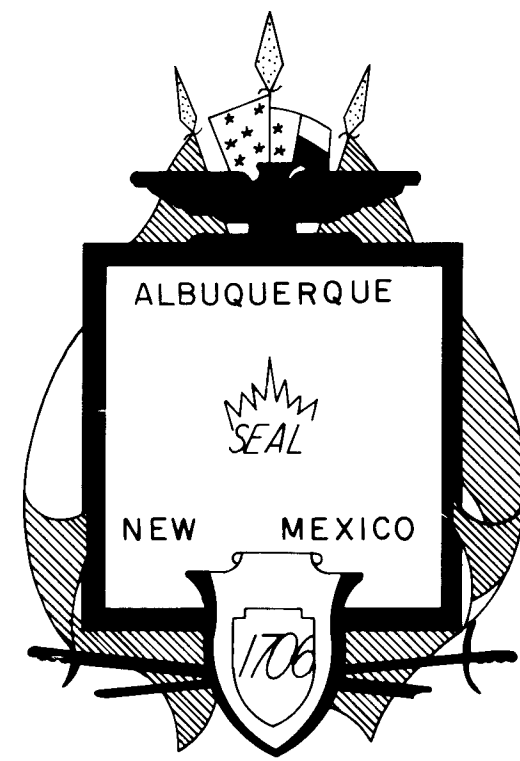


TSIS 8003

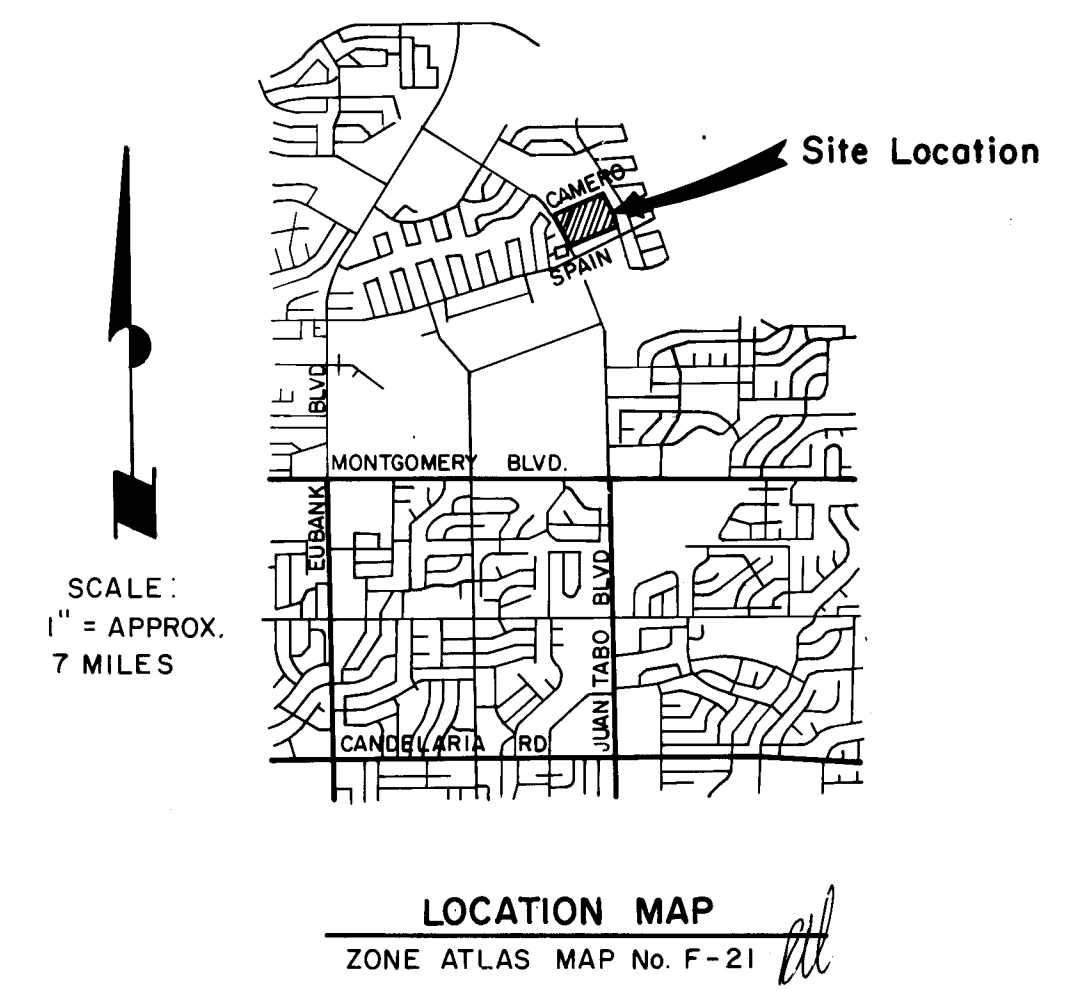


CITY OF ALBUQUERQUE, NEW MEXICO

CONSTRUCTION PLANS FOR ACADEMY SQUARE UNIT ONE PHASE II

INDEX

SHEET No.	DESCRIPTION
1.	TITLE and INDEX SHEET
2.	GENERAL NOTES and LEGEND
3.	PLAT
4.	GRADING PLAN AND DETAILS
5.	WATER and SANITARY SEWER LAYOUT w/ PLAN and PROFILE INDEX
6-10.	PLAN and PROFILE SHEETS
11.	STREET SECTIONS and DETAILS



APPROVAL OF AS BUILT DRAWINGS
CITY ENGINEER - FIELD
W. J. McNamee
7-16-85

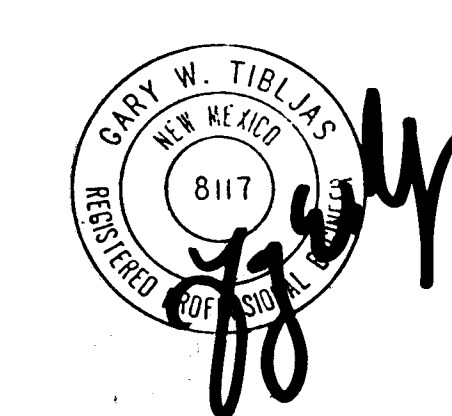
26 21270185

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

APPROVAL OF REVISIONS



DENNEY-GROSS & ASSOCIATES, INC.
ENGINEERS - PLANNERS
ALBUQUERQUE, NEW MEXICO 87107



DENNEY-GROSS & ASSOC., INC.
ENGINEERS SURVEYORS PLANNERS
2400 COMANCHE RD. N.E., ALBUQ. N.M. 87107
(505) 884-0696

APPROVED FOR
CONSTRUCTION
P. H. O. Lopez
5/19/84 C.E.

DWG. No. **2127**
~~800~~

SHEET 1 OF 11

GENERAL NOTES

1. All existing utilities shown were taken from Record Drawings and are located as accurately as possible from information available. It will be the Contractor's responsibility to verify exact locations of these utilities before construction begins.
2. All tees, wyes, bends and other connections require concrete thrust blocking as detailed and defined in the City of Albuquerque's Standard Drawings W-22.
3. Waterlines may be deflected at the joint so as to conform to the location shown on the plans. A maximum of 2° deflection per joint will be allowed.
4. All sanitary sewer manholes shall be type "C" 4' Dia., City of Albuquerque Standard Drawing S-1-3, unless otherwise noted.
5. Sewer service lines shall be installed per City of Albuquerque Standard Drawings S-8-3.
6. 5' minimum cover on all waterlines.
7. Water valve boxes to be type "A" per City of Albuquerque Standard Drawings W-2-3.
8. Fire hydrants are to be installed in accordance with City of Albuquerque Standard Drawing W-20-1.
9. Connections to existing waterlines shall be in accordance with City of Albuquerque Standard Drawing W-1-2.
10. The Contractor will coordinate his construction activities with other Contractors.
11. The specifications used for this project will be City of Albuquerque Contract Documents, Public Works Contract No. 84-1.
12. All reference to City Standard Details will be per City of Albuquerque Contract Documents, Public Works Contract No. 84-1.
13. The Contractor shall notify all utility companies when working near their systems and shall have the utility companies locate utilities prior to excavation, call 765-1234 regarding location of utility lines. Utility companies shall be given 48 hours advance notice for line location.
14. Policy On The Proximity Of Water & Sewer Lines: "Whenever possible, it is desirable to lay parallel water and sewer lines at least 10 feet apart horizontally, and the waterline should be at a higher elevation than the sewer. If this is not possible, separate trenches will be required in all cases (this shall be effective even though one line has been installed prior to the other), and the water line shall be at least 2 feet above the sewer. Where water and sewer lines cross each other, the waterline shall be at least 5 feet above the sewer; otherwise, the sewer shall be of steel or cast iron pipe, or equivalent, for 10 feet on each side of the waterline."
15. All dimensions from face of curb to face of curb unless otherwise shown.
16. All radii of curb return are to face of curb. Radii to be 25' unless otherwise noted.
17. All finished grades, profiles and spot elevations shown are top of curb, unless otherwise noted.
18. When abutting new pavement to existing pavement, cut back old pavement to a neat straight line as required to remove any broken or cracked pavement and match new to existing. No separate payment will be made for abutting existing pavement, but shall be considered incidental to the project. Cutting of pavement shall be in conformance with the specifications.
19. Subgrade preparation under sidewalks shall be considered incidental to the construction of such and shall be included in the bid price for such items.
20. For construction of wheelchair ramps see City Standard Drawings P-16-1 and P-17.
21. Construct concrete valley gutter per City Standard Drawing P-9-2.
22. Sidewalk to be built per City of Albuquerque Standard Drawing P-13-2.
23. The Contractor must submit a Traffic Control Plan and receive a barricading permit prior to construction in Juan Tabo R.O.W.

LEGEND

PROPOSED

SAS

WL

Manhole

Gate Valve

Fire Hydrant

Concrete ; C & G

V. GUTTER , SIDEWALKS

EXISTING

SAS

WL

Manhole

Gate Valve

Fire Hydrant

SANITARY SEWER

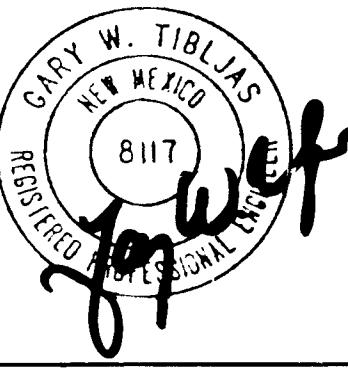
WATER LINE

MANHOLE

GATE VALVE

FIRE HYDRANT

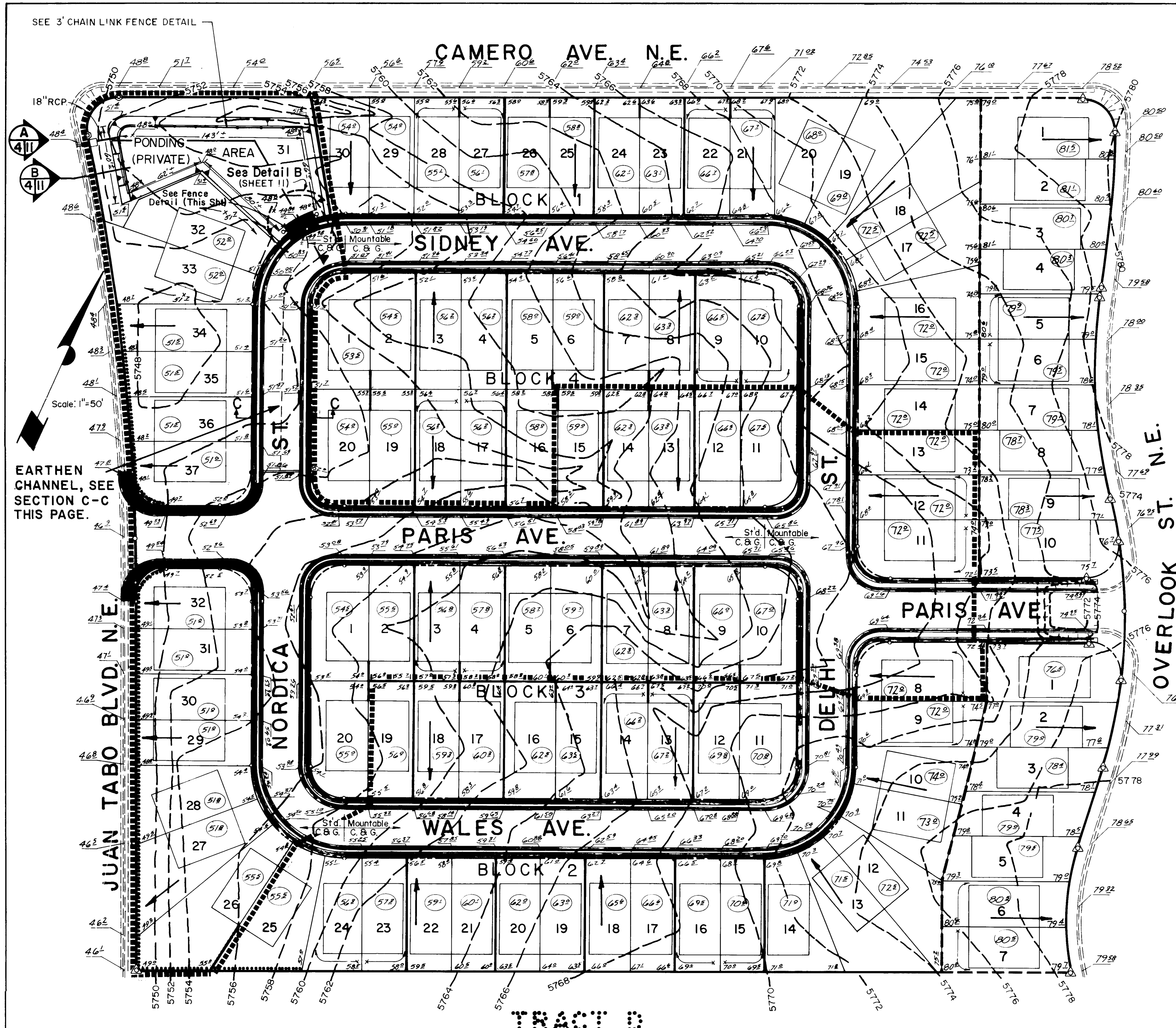
26 21270285



APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

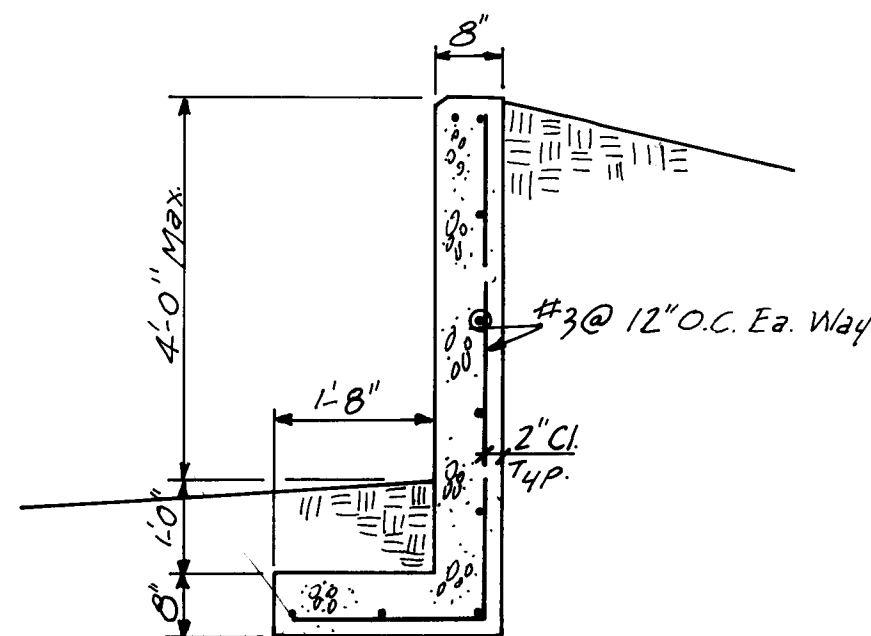
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: ACADEMY SQUARE SUBDIVISION UNIT I GENERAL NOTES & LEGEND					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY Engineer	<i>[Signature]</i>	4-11-84	Liquid Waste	<i>[Signature]</i>	4-11-84
A C E - Design	<i>[Signature]</i>	4/11/84	Traffic	<i>[Signature]</i>	4-11-84
A C E -Hydrology	<i>[Signature]</i>	4/11/84	Water	<i>[Signature]</i>	4-11-84
DRAWING NO. 2006-2127			SHEET 2 OF 11		



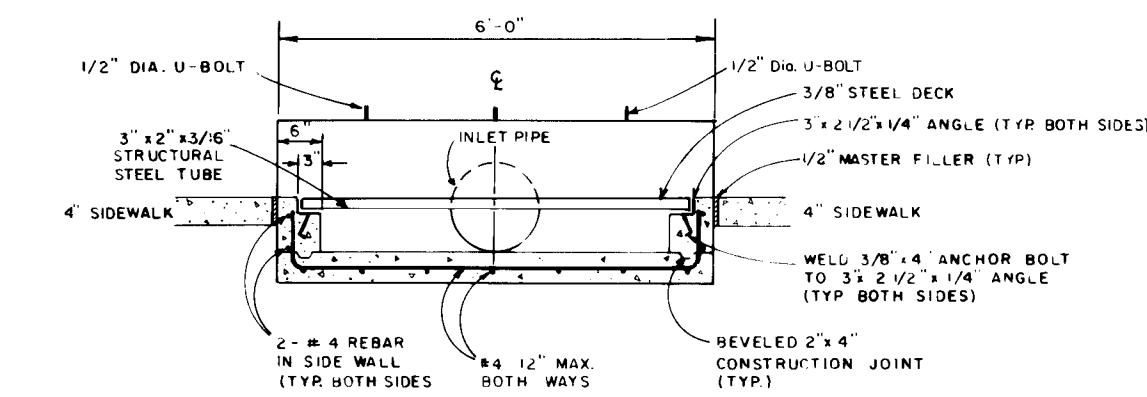
GRADING PLAN

--- 5' Retaining Wall
 4' " " "
 --- 2' to 3' " " "
 (612) Earthen Finish Pad Elev.

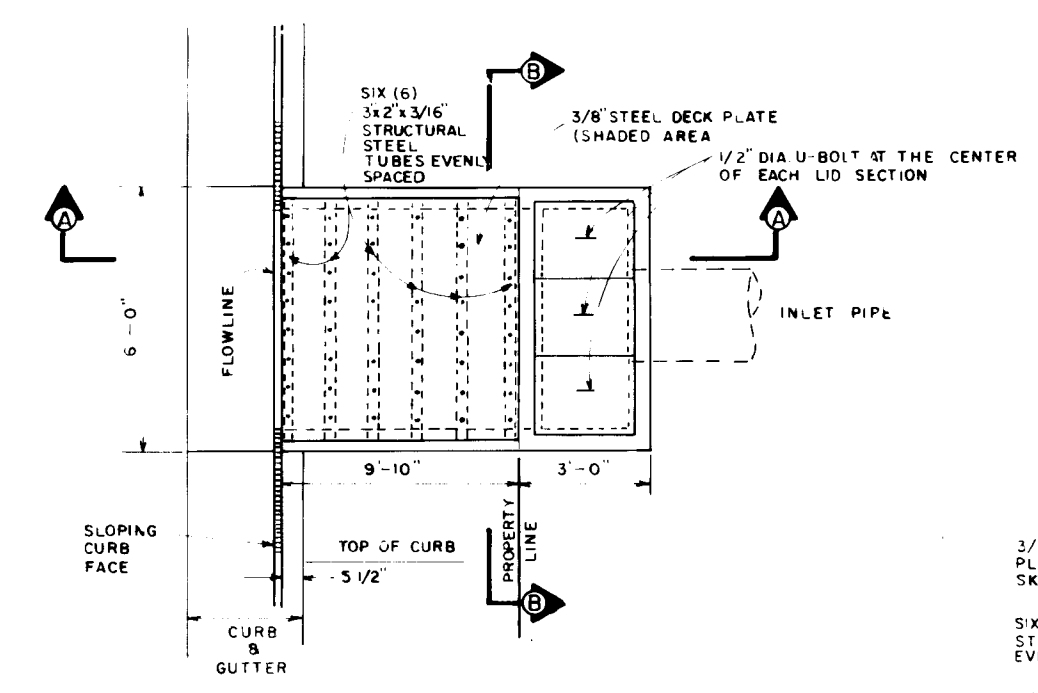
NOTE:
 SIDEWALKS, WITH THE
 EXCEPTION OF WHEEL-
 CHAIR RAMPS, TO BE
 CONSTRUCTED BY OTHERS



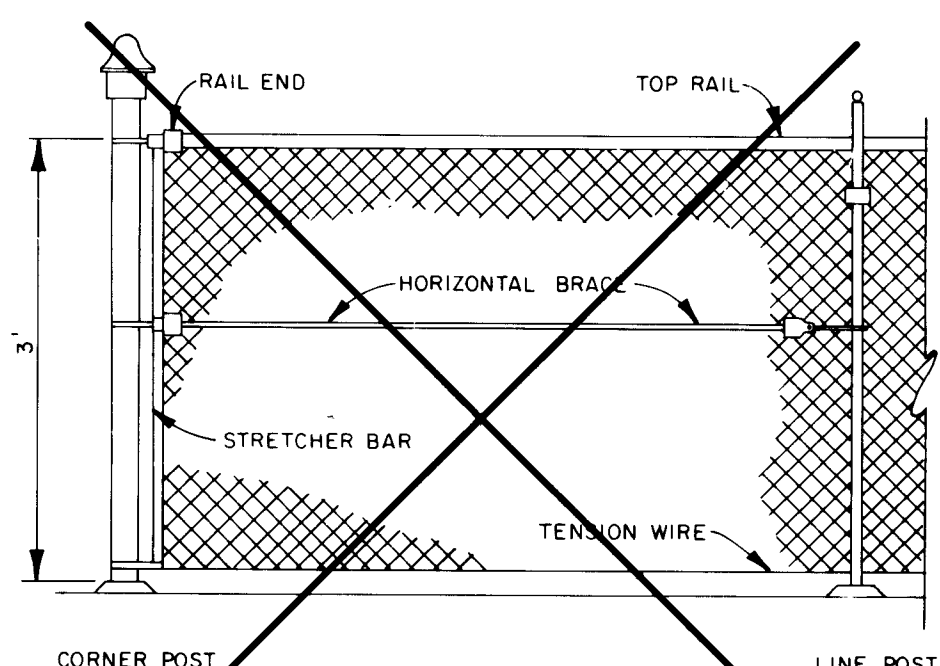
2' to 4' Retaining Walls
 PHASE II



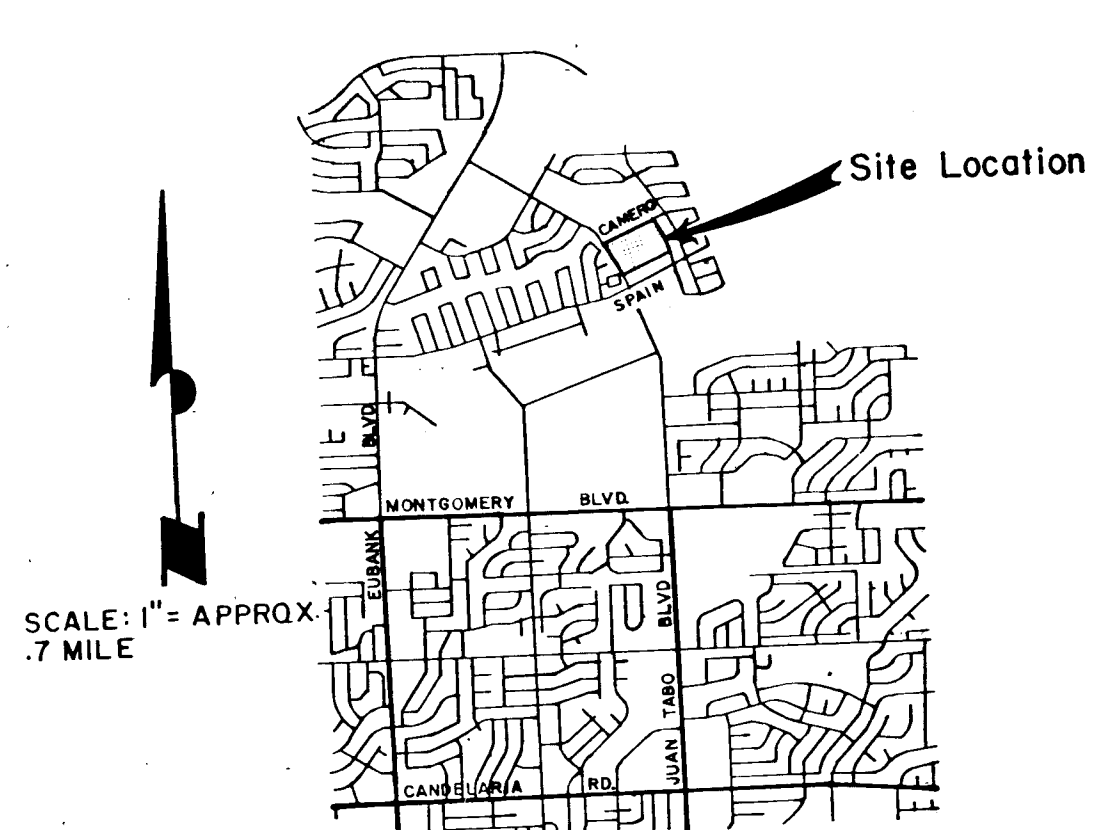
SECTION B-B
 NO SCALE
 PHASE II



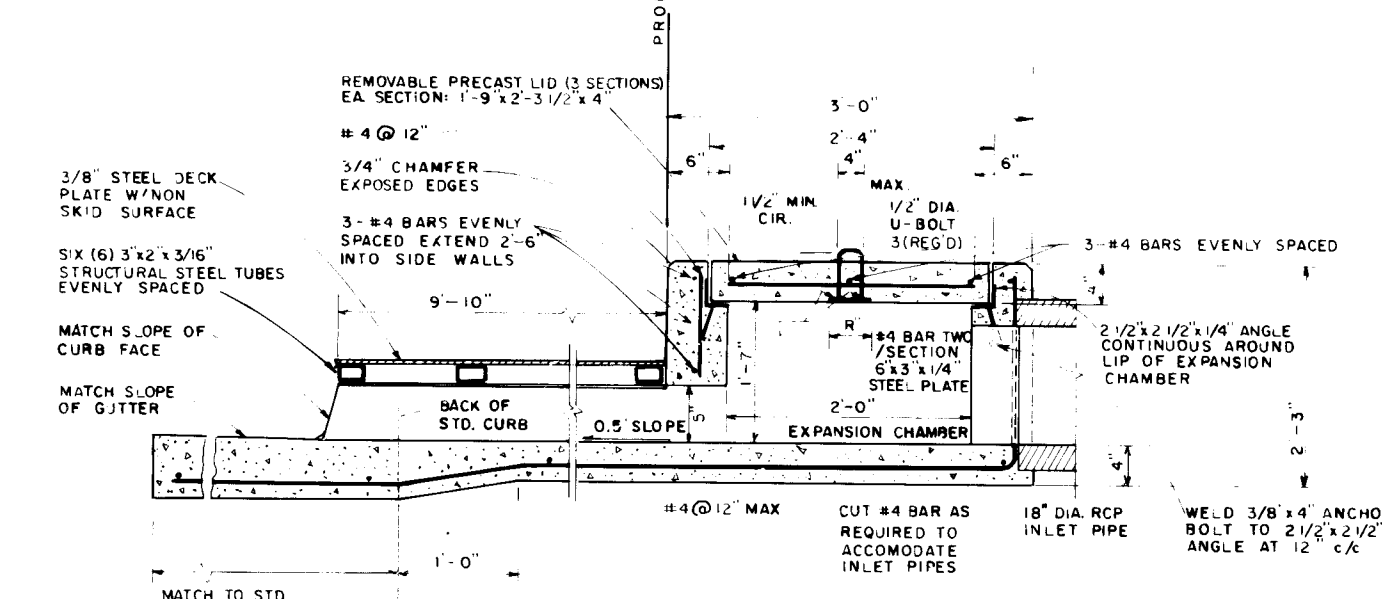
CURB OUTLET PLAN VIEW
 NO SCALE
 PHASE II



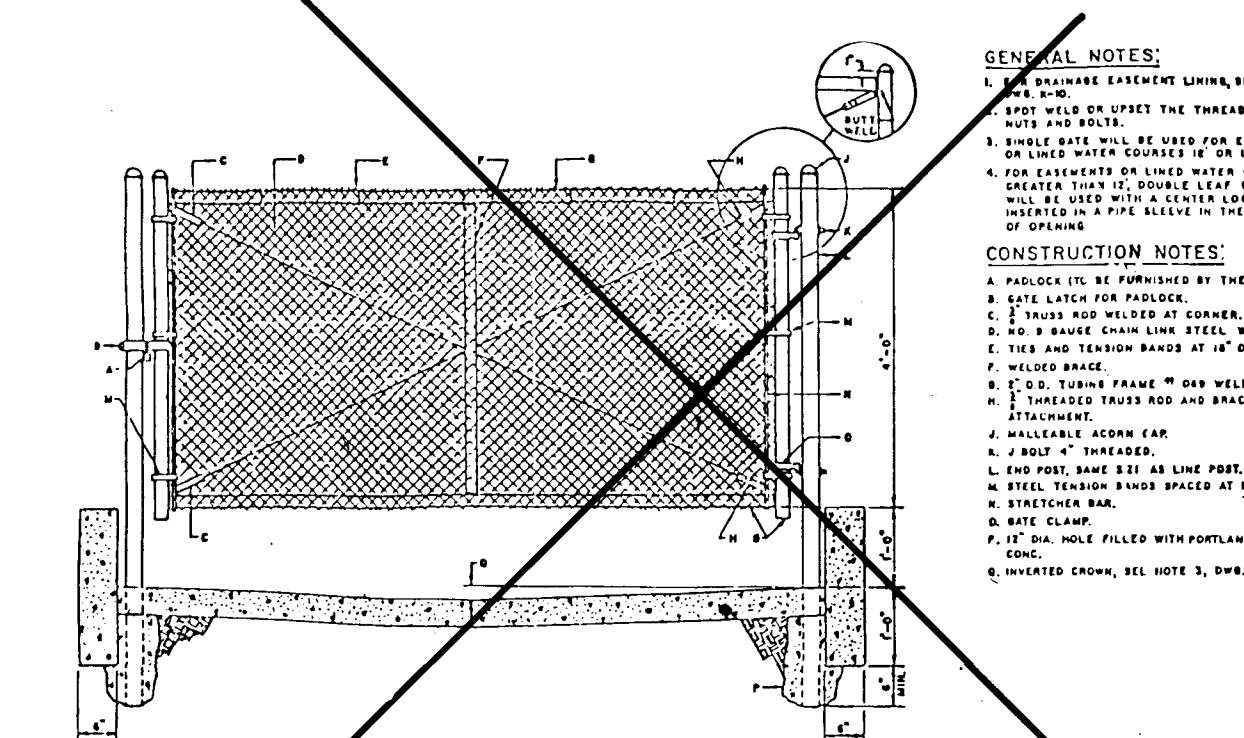
3' CHAIN LINK FENCE DETAIL
 NO SCALE



LOCATION MAP
 ZONE ATLAS MAP No. Z F-21



SECTION A-A
 NO SCALE
 PHASE II



FENCE DETAIL
 NO SCALE

SECTION C-C

NOT TO SCALE
 EARTHEN CHANNEL $n = 0.030$ $Q = \frac{1.486}{0.030} (0.250)^{2/3} (0.0046)^{1/2} (16)$
 $A = 16 \text{ SF}$ $Q = 21.33 \text{ c.f.s.}$
 $P = 64'$ $25\% \text{ OF THE DEVELOPED } Q \text{ FOR}$
 $R = 16/64 = 0.250$ $\text{THE COMPLETE DEVELOPMENT}$
 $S = .88/190 = 0.0046$ $\text{WILL BE PASSED THROUGH THIS}$
 $0.25 \times 38 = 9.5 \text{ c.f.s.}$

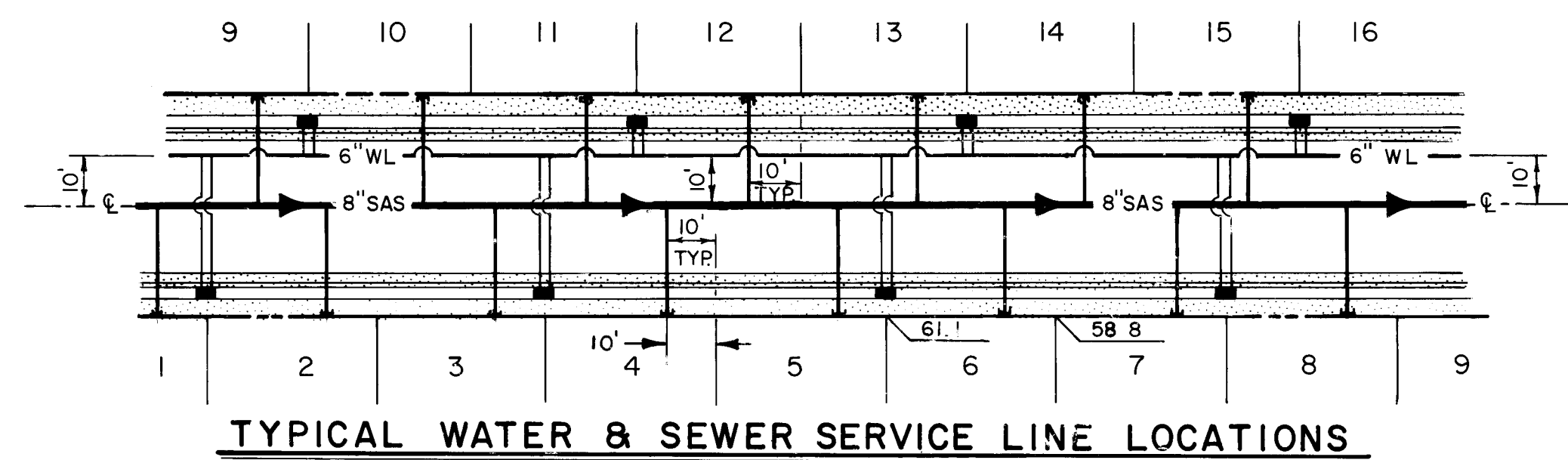
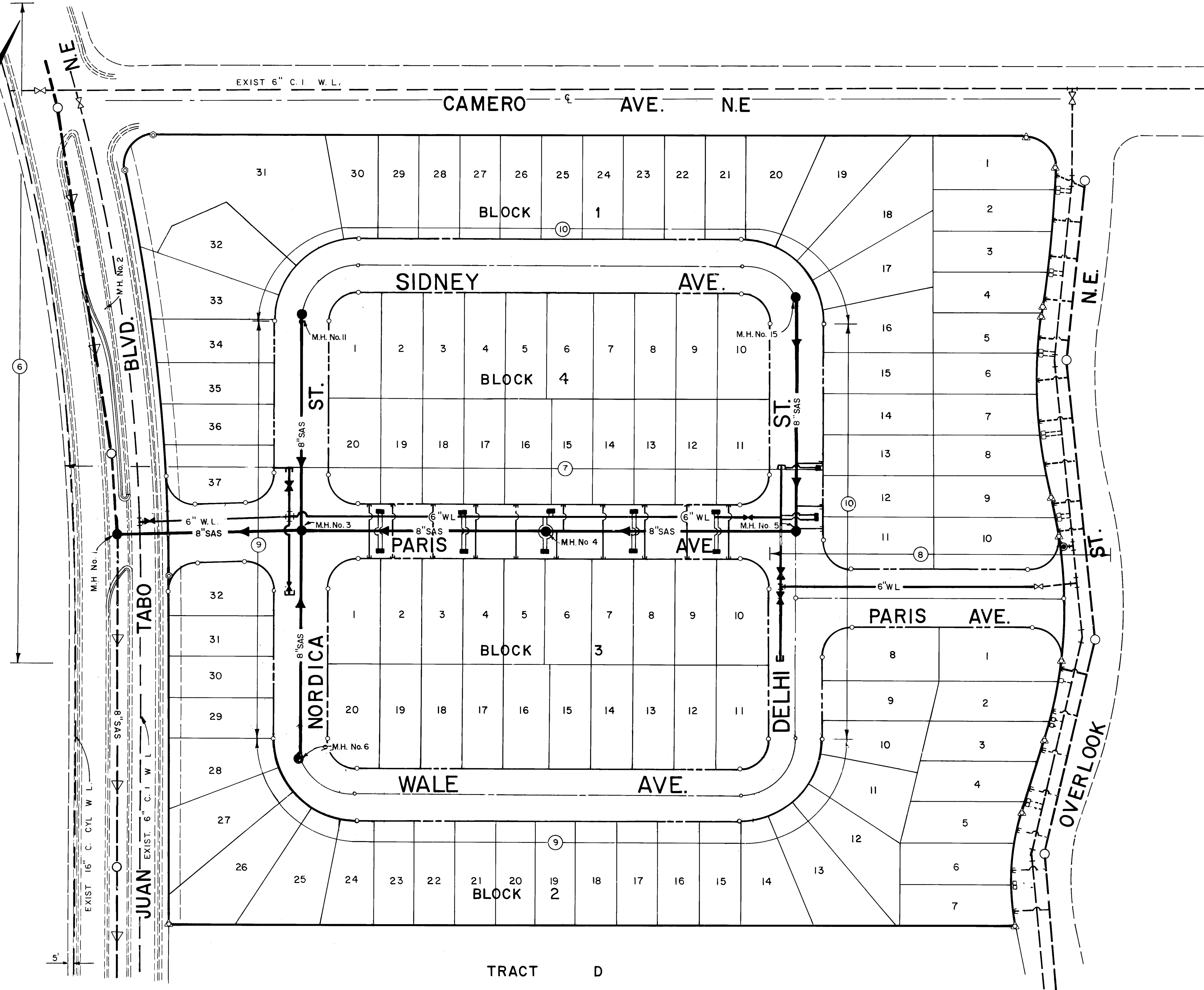
PHASE II, ROUGH & FINE GRADING LINES



APPROVED FOR
 CONSTRUCTION
 CITY ENGINEER DATE

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: ACADEMY SQUARE SUBDIVISION UNIT I GRADING PLAN and DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	4/11/83	Liquid Waste	NA	4/11/83
A.C.E.-Design	<i>[Signature]</i>	4/11/83	Traffic	NA	4/11/83
A.C.E.-Hydrology	<i>[Signature]</i>	4/11/83	Water	NA	4/11/83
DRAWING NO.	2006 2127		SHEET	4 OF 11	

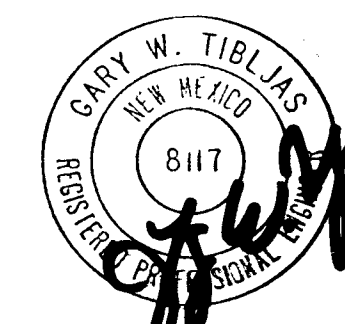
Scale: 1" = 50'



PLAN AND PROFILE SHEET NO.

PROPOSED		EXISTING		DESCRIPTION
	SAS		SAS	SANITARY SEWER LINE
	WL		WL	WATER LINE
				GATE VALVE
				SANITARY SEWER MANHOLE
				FIRE HYDRANTS
				WATER SERVICE CONNECTION
				FLOW DIRECTION
				CAPS & PLUGS
				BENDS & TEES

LEGEND



APPROVED FOR
CONSTRUCTION

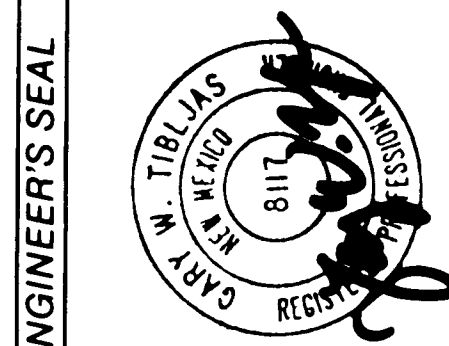
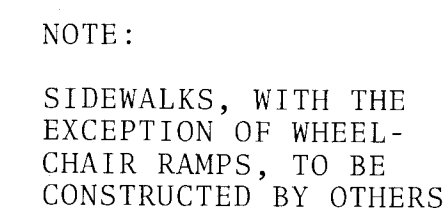
CITY ENGINEER DATE

26 21270585

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION			
TITLE: ACADEMY SQUARE SUBDIVISION UNIT I WATER and SANITARY SEWER LAYOUT w/ PLAN and PROFILE INDEX			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	<i>[Signature]</i>	4/11/84	Liquid Waste
A.C.E. - Design	<i>[Signature]</i>	4/11/84	Traffic
A.C.E. - Hydrology	<i>[Signature]</i>	4/11/84	Water
ENGINEER	<i>[Signature]</i>	DATE	DATE
4-11-84		4-11-84	4-11-84
DRAWING NO. 2006 2127		SHEET 5 OF 11	

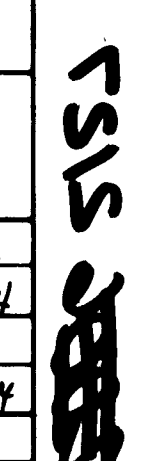
D.G.A. Job # 616.32

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		REFERENCES		REVISIONS	
CONTRACTOR	J.R. HALE	NO.		FIELD NOTES	DATE	MAP NO.	W.O. NO.	NO.	DATE
INSPECTOR		NO.		BY		EST. NO.		DESIGN	
FIELD		NO.						GW T	10/83
VERIFICATION BY	Leo Valdez	DATE						D.A.S.	11/83
CORRECTED BY	E. Nee	DATE						T.J.M.	12/83
MICRO-FILM INFORMATION		NO.							
RECORDED BY		NO.							

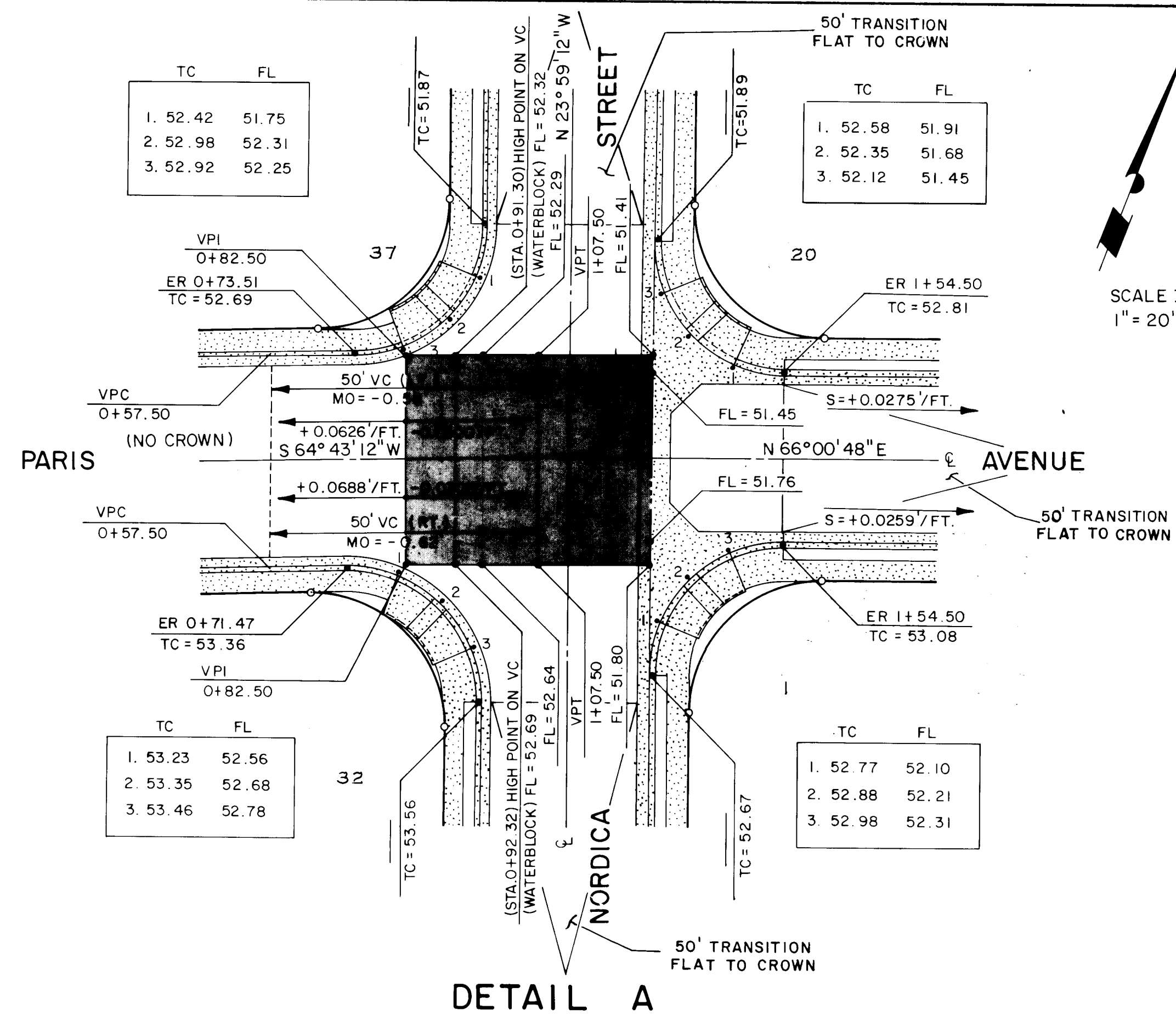


LSIS ~~SECRET~~

D.G.A. JOB NO. 616.32

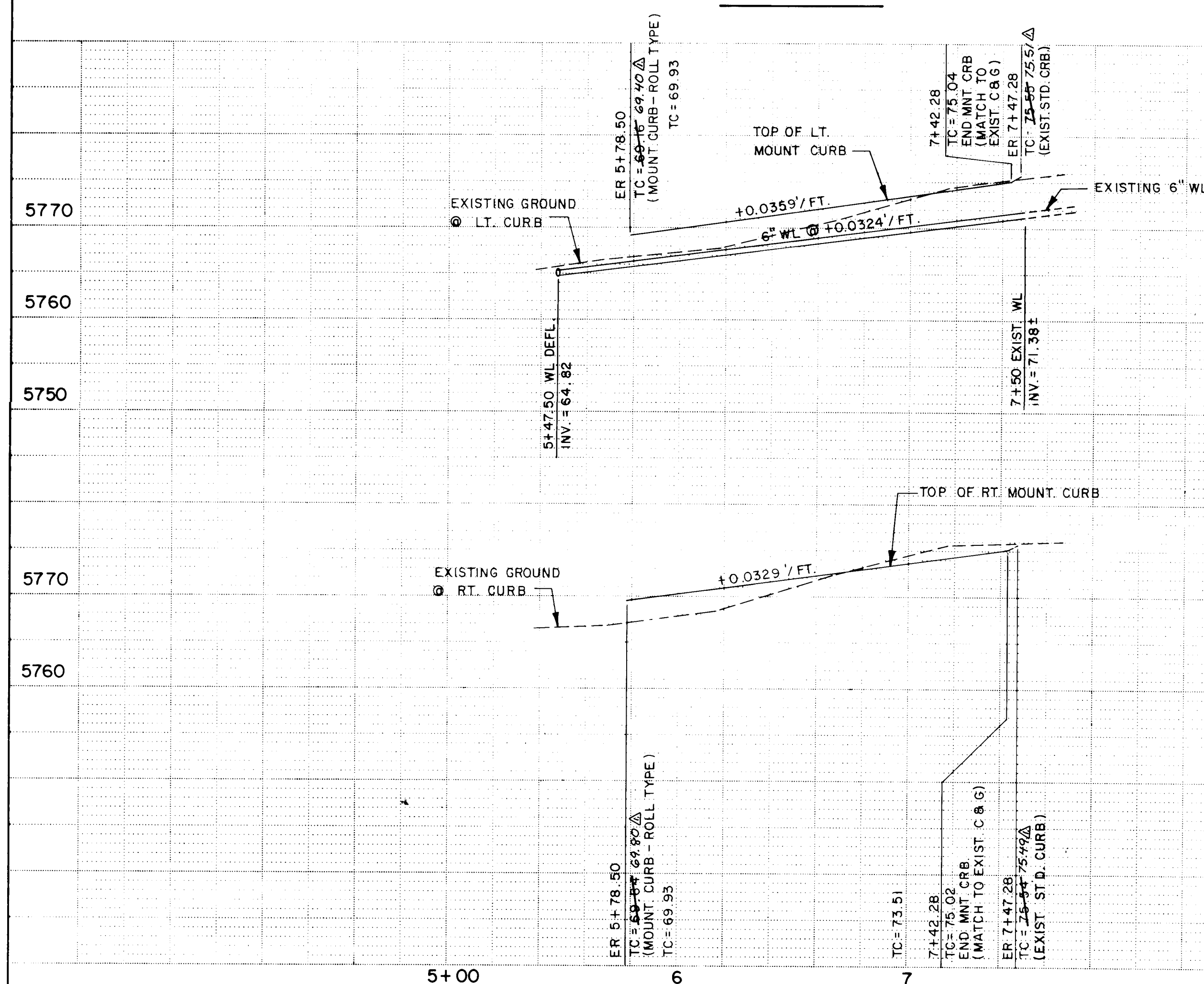


D.G.A. JOB NO. 616.32



SHADED AREA REPRESENTS
A 3% FLATTENED GRADE
TO THE EAST FL. OF
NORDICA AVE.

SIDEWALKS, WITH THE EXCEPTION OF WHEEL-CHAIR RAMPS, TO BE CONSTRUCTED BY OTHERS



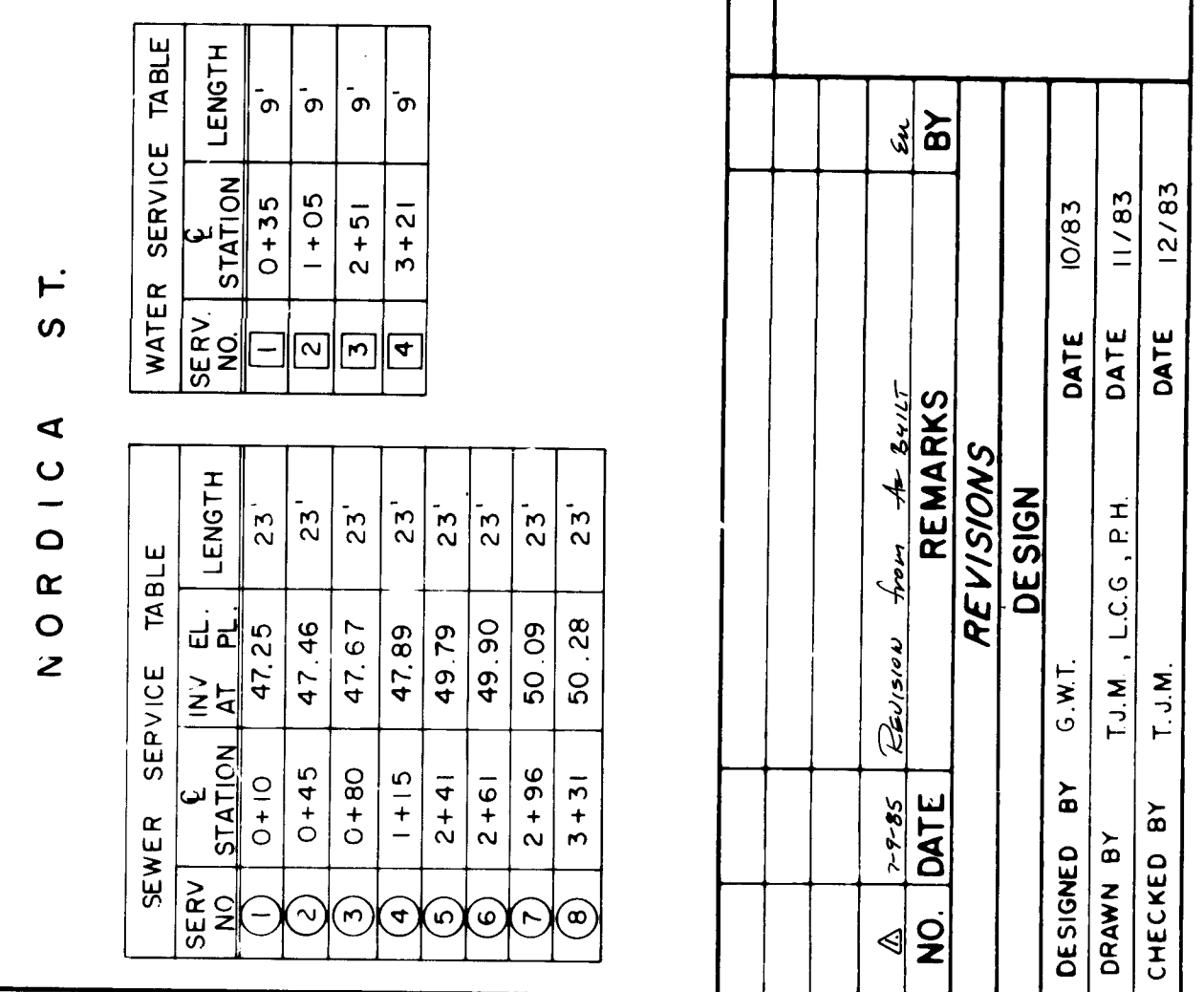
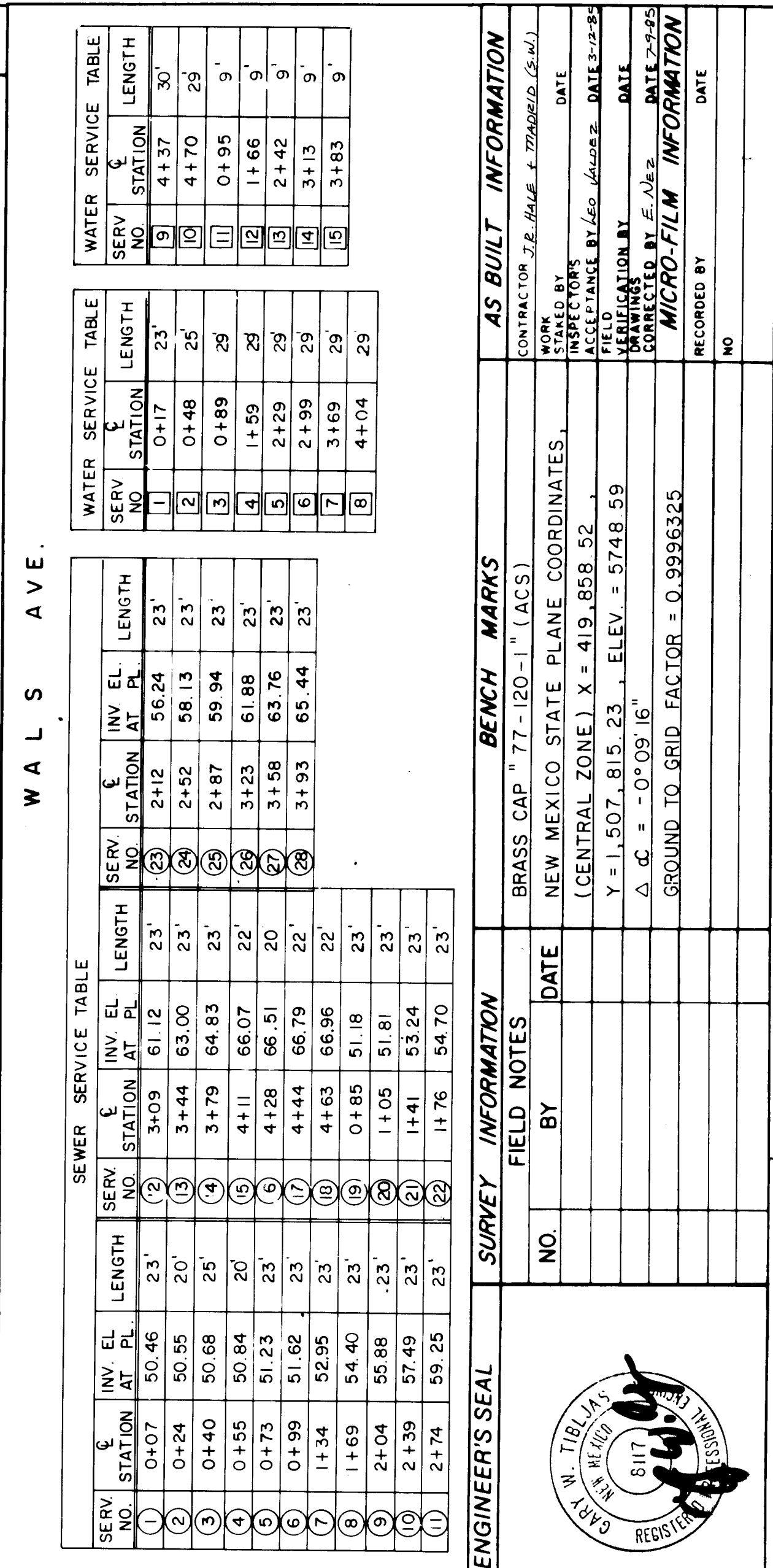
1	2	3	4	5	6	7	8	9	10	11
2	6		2	1	2	7	0	8	8	5

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES					
		NO.	BY	DATE			
		BRASS CAP " 77-120-1 " (ACS) NEW MEXICO STATE PLANE COORDINATES, (CENTRAL ZONE) X = 419,858.52 , Y = 1,507,815.23 , ELEV. = 5748.59 Δ GC = -0° 09' 16 " GROUND TO GRID FACTOR = 0.9996325					
		CONTRACTOR J.B. HALE & TRADING (S.W.A.) STARTED BY INSPECTOR'S FIELD STATION BY LEO GARCIA DATE 7-2-83 VERIFICATION BY DATE 7-2-83 CORRECTED BY E. Alez MICRO-FILM INFORMATION					
		RECORDED BY DATE					
		NO					

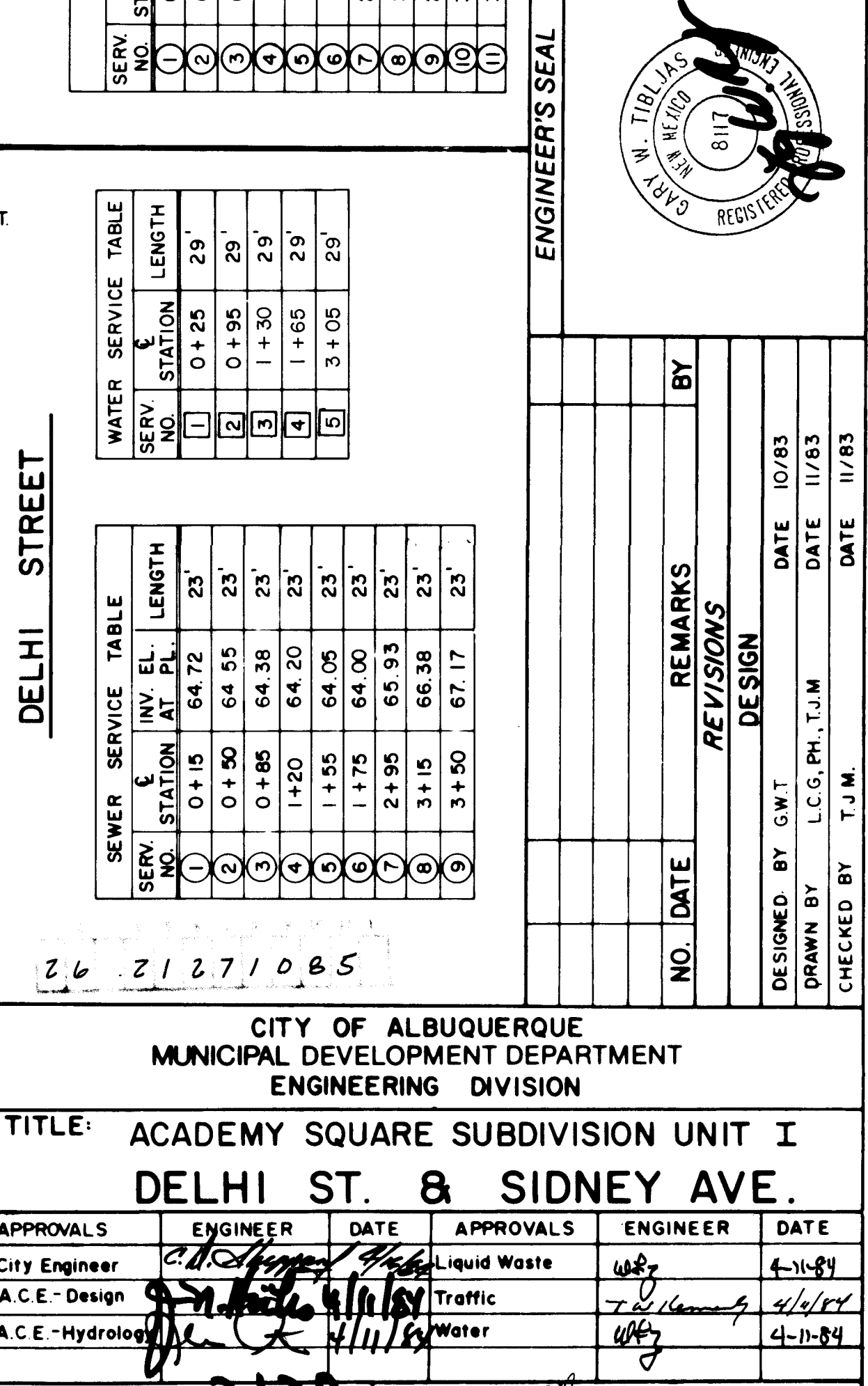
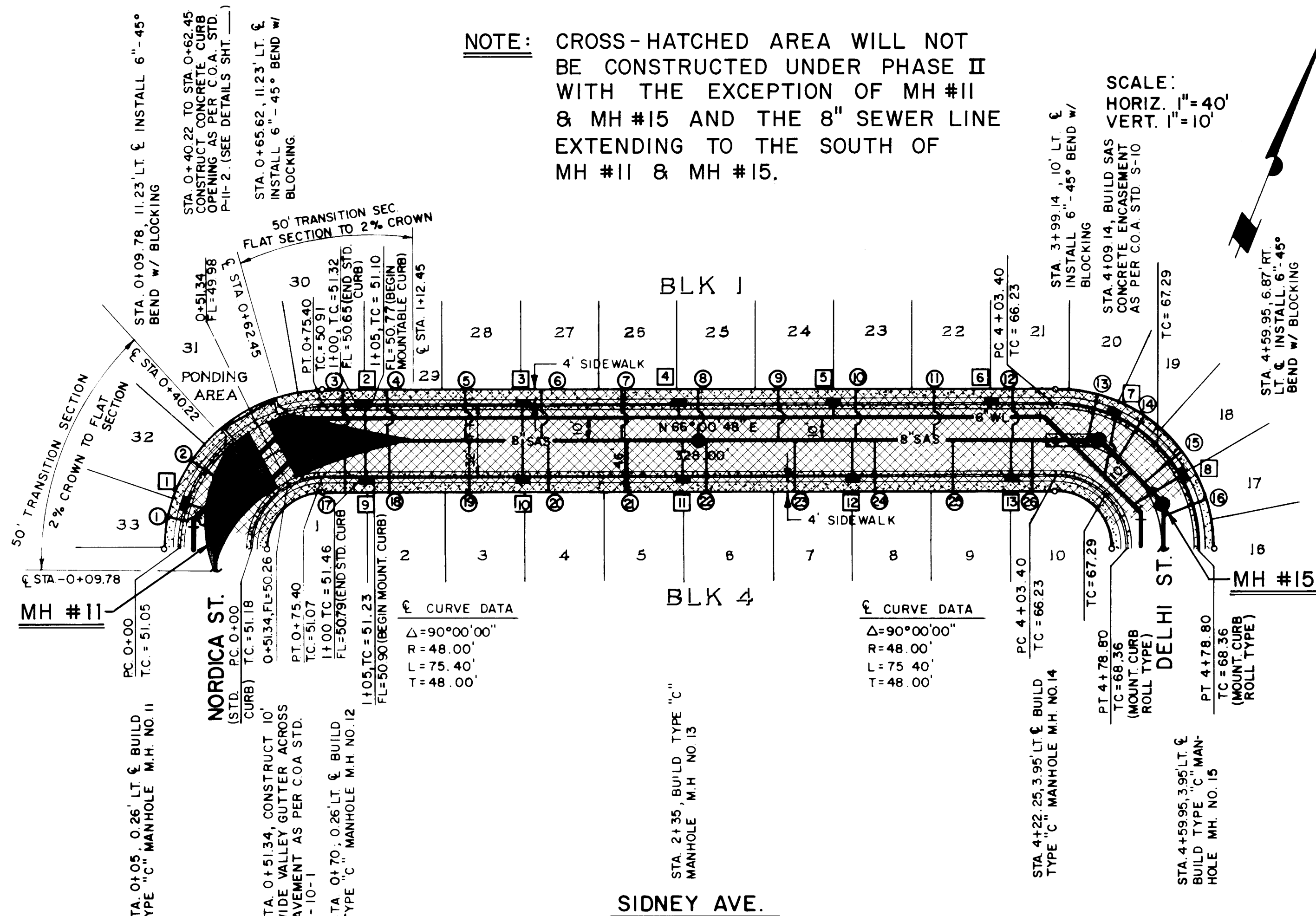
4	✓	4
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5152
~~SECRET~~

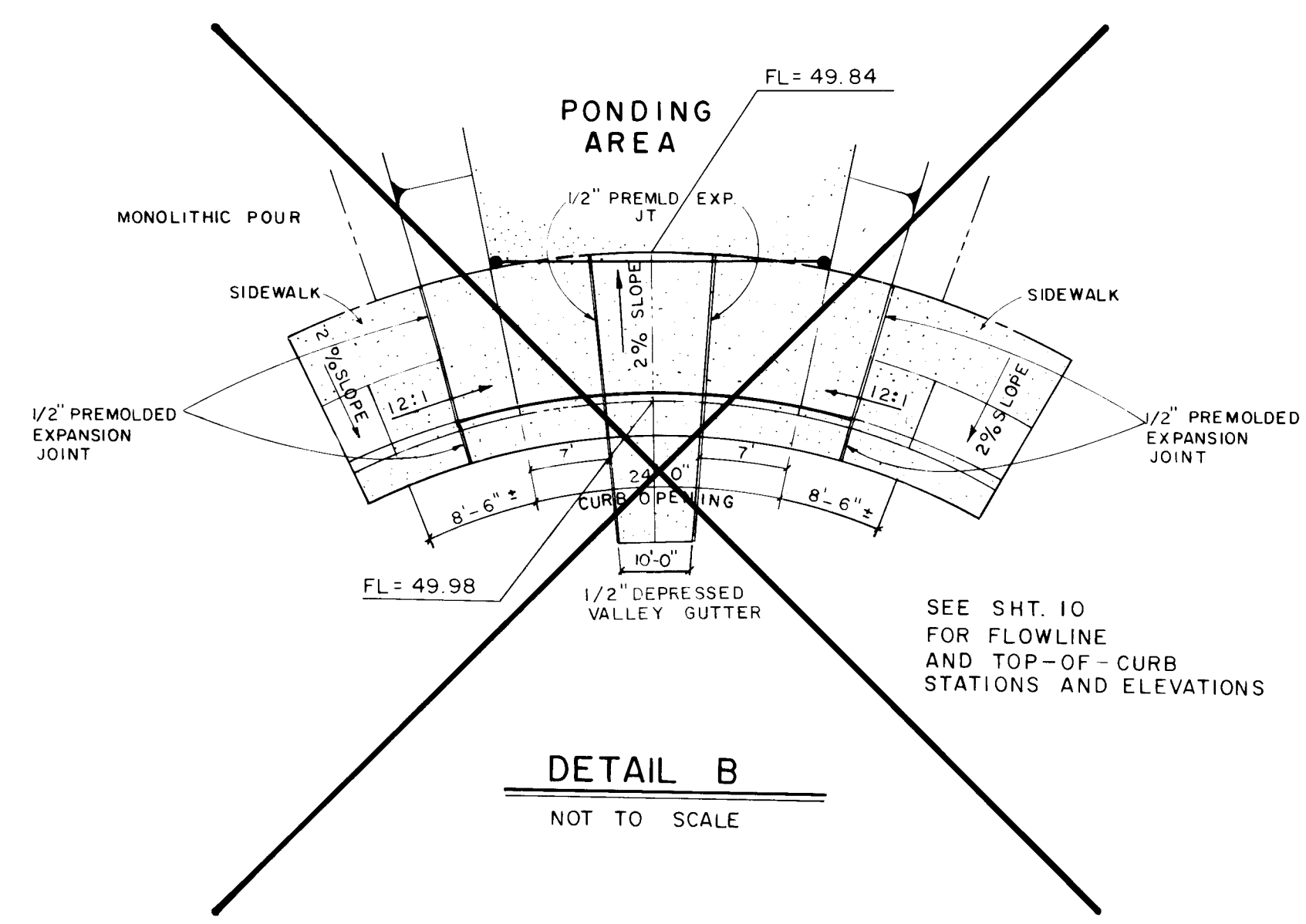
D.G.A. JOB NO. 616.32



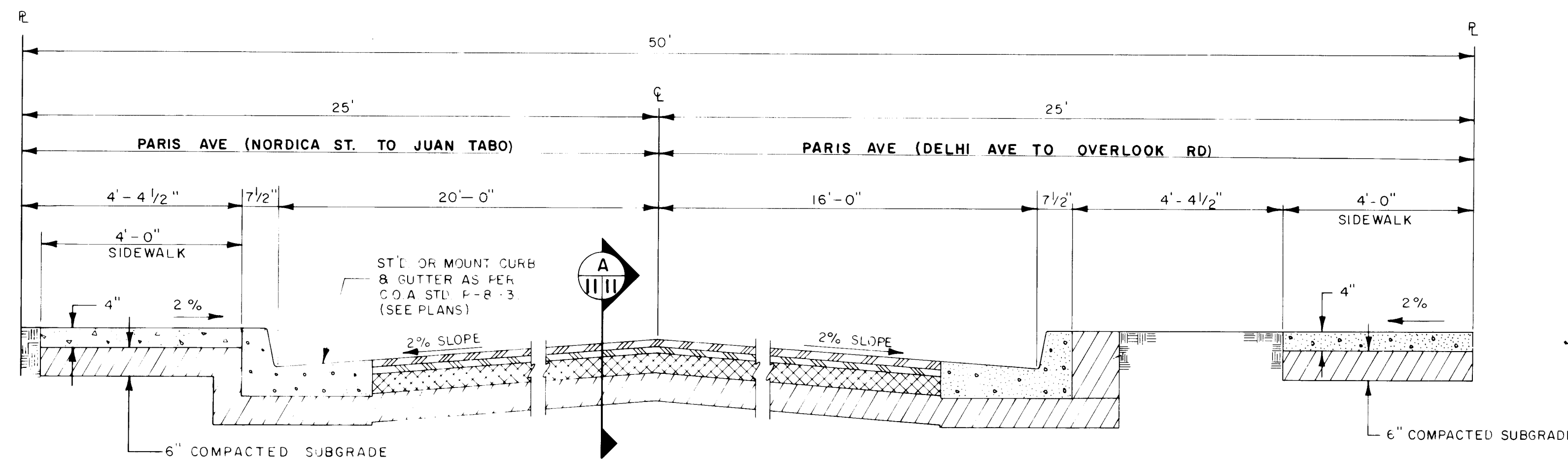
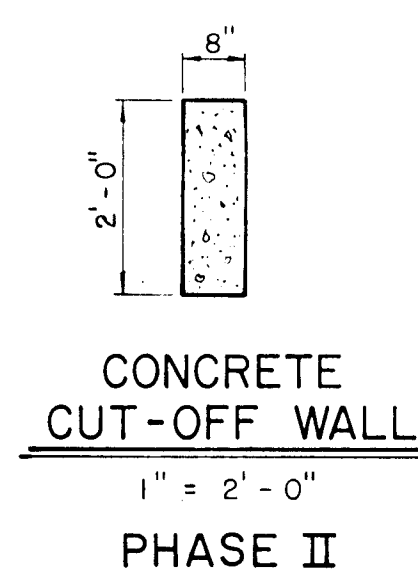
DRAWING NO. 2006 2127	MAP NO. F-21	SHEET 9	OF 11
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5115 2008

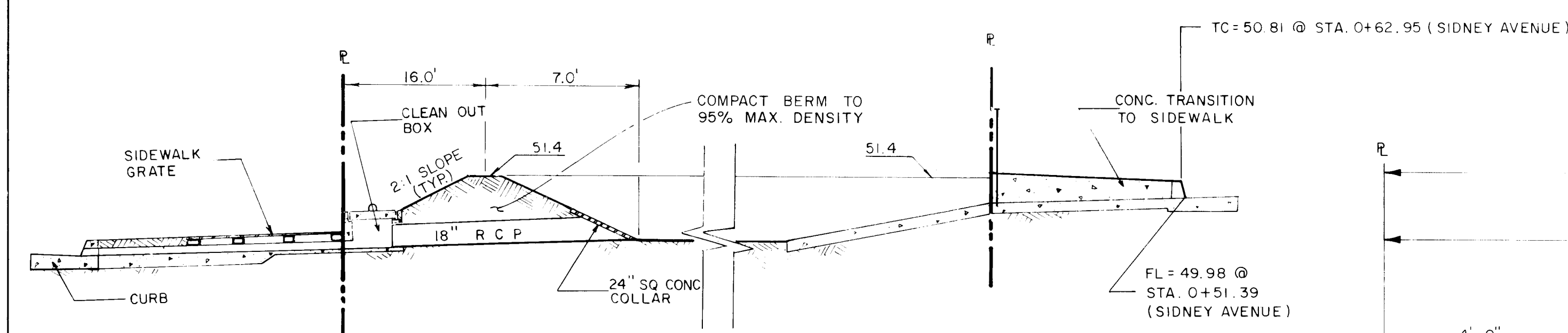


DETAIL B
NOT TO SCALE

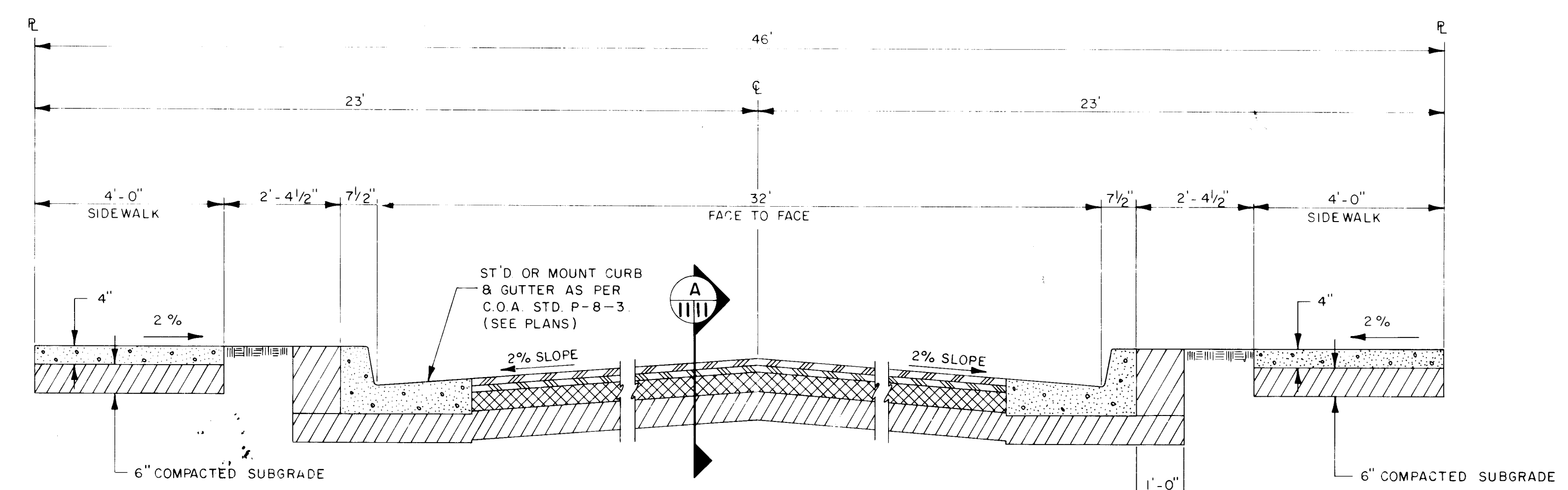


50' R.O.W. ROAD SECTION
1" = 2'-0"

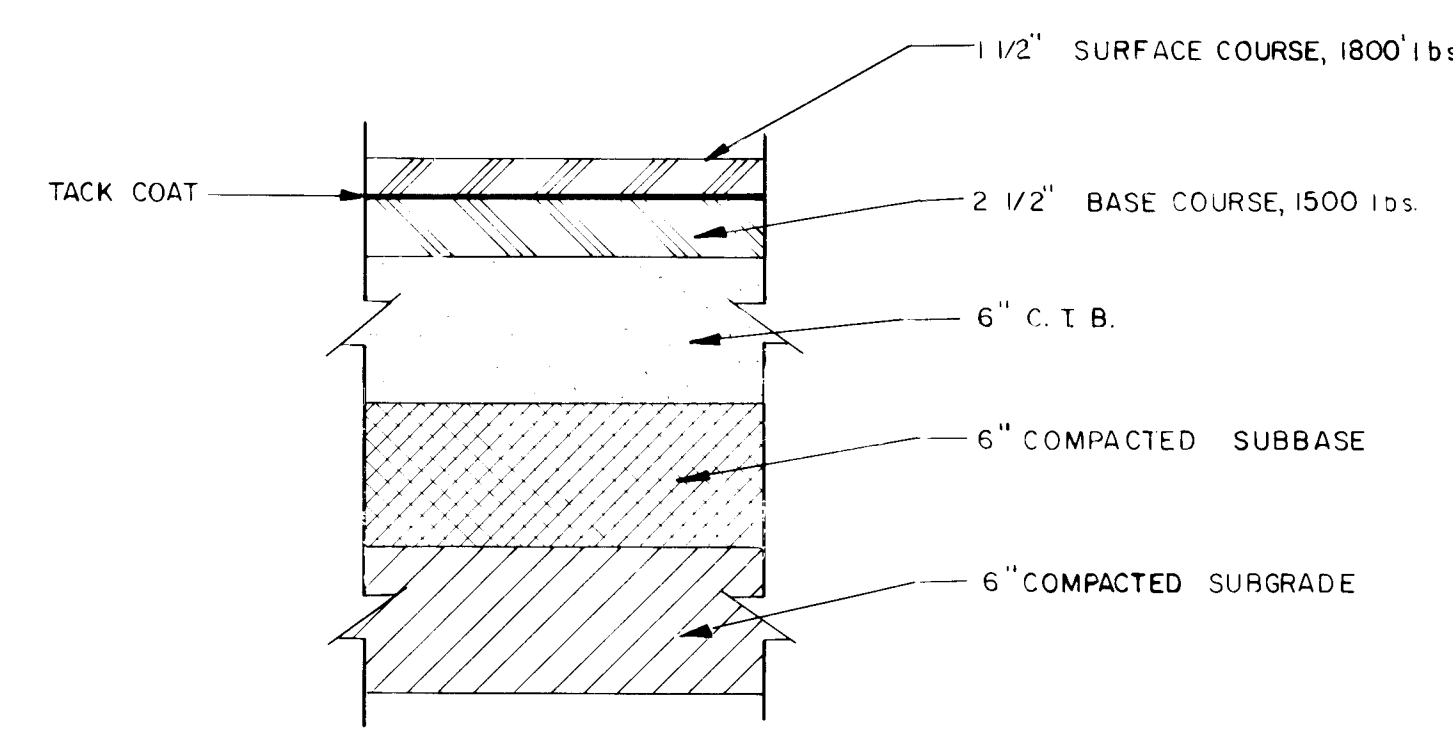
NOTE:
SIDEWALKS, WITH THE EXCEPTION OF WHEEL-CHAIR RAMPS, TO BE CONSTRUCTED BY OTHERS



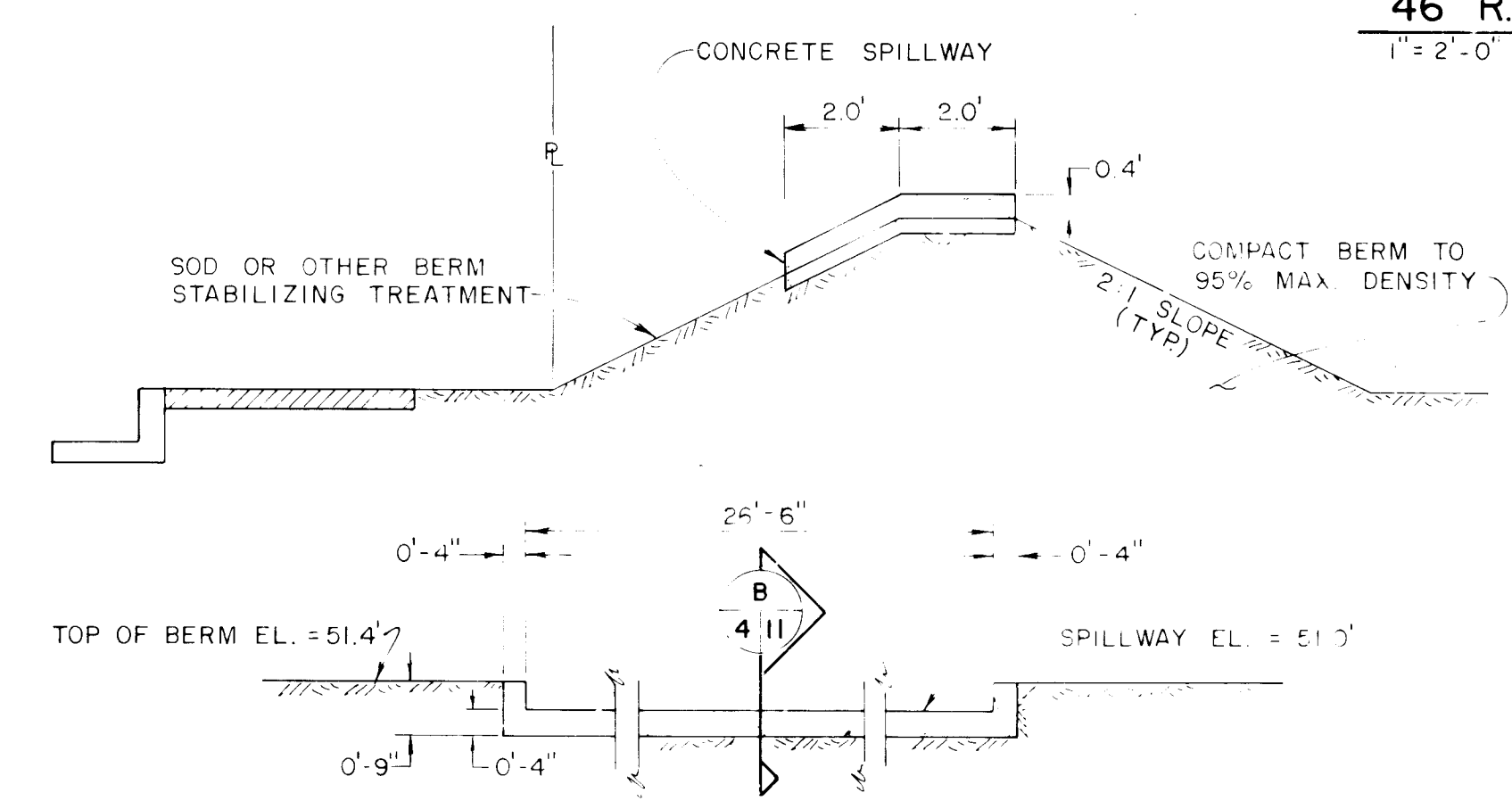
PONDING AREA SECTION
NOT TO SCALE



46' R.O.W. ROAD SECTION
1" = 2'-0"

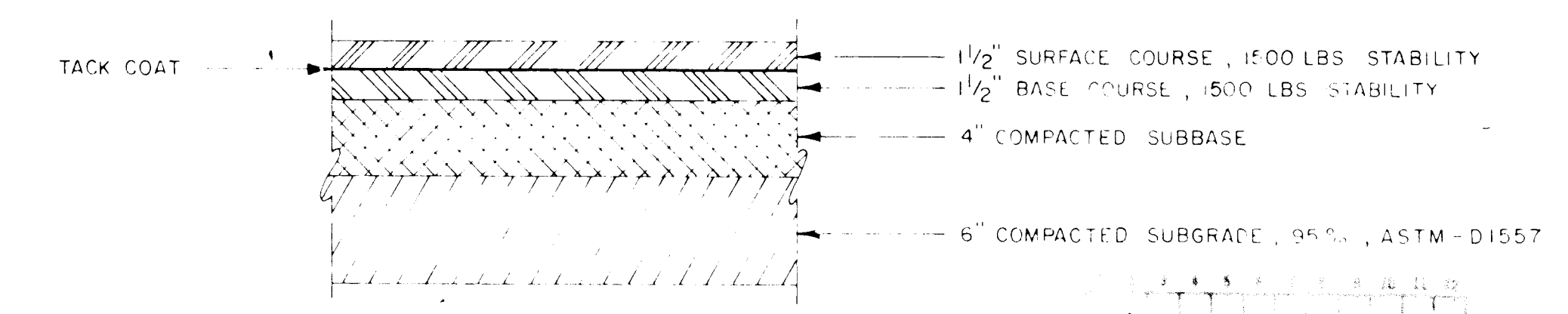


PAVING SECTION FOR JUAN TABO
NOT TO SCALE

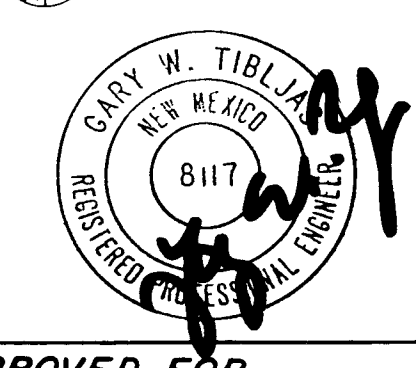


SPILLWAY DETAILS
NOT TO SCALE

Assume critical depth will occur on the spillway. Then
 $Froude^2 = 1 = \frac{V^2}{g \cdot L}$ or $L = \frac{V^2}{52.2 \cdot (52.2 \times 0.4^3)^{1/3}} = 26.5 \text{ ft.}$



SECTION A-A
1 1/2" = 1'-0"



APPROVED FOR CONSTRUCTION
CITY ENGINEER
DATE 5/1/84

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: ACADEMY SQUARE SUBDIVISION UNIT I STREET SECTIONS & DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	4/1/84	Liquid Waste	NA	4/1/84
A.C.E. - Design	<i>[Signature]</i>	4/1/84	Traffic	NA	4/1/84
A.C.E. - Hydrology	<i>[Signature]</i>	4/1/84	Water	NA	4/1/84

REVISIONS	
NO.	DATE
26	2/27/1985

DESIGNED BY		G.W.T.		DATE	
DRAWN BY		P.H.		DATE	
CHECKED BY		T.J.M.		DATE	
				10/83	
				11/83	
				12/83	

AS BUILT INFORMATION	
CONTRACT NO.	J.P. NAME
STATIONING	DATE
ACCEPTANCE BY	DATE
FIELD BY	DATE
REVISIONS	DATE
CORRECTED BY	DATE
RECORDED BY	DATE
BRASS CAP 77-120-1" (ACS)	
NEW MEXICO STATE PLANE COORDINATES, (CENTRAL ZONE) X = 419,858.92	
Y = 1,507,181.23, ELEV = 5748.59	
Δ C = -0°09'16"	
GROUND TO GRID FACTOR = 0.9996325	

DRAWING NO. 2008 2127 SHEET 11 OF 11