

CONSTRUCTION PLANS
FOR
ANTELOPE RUN SUBDIVISION
PHASE II

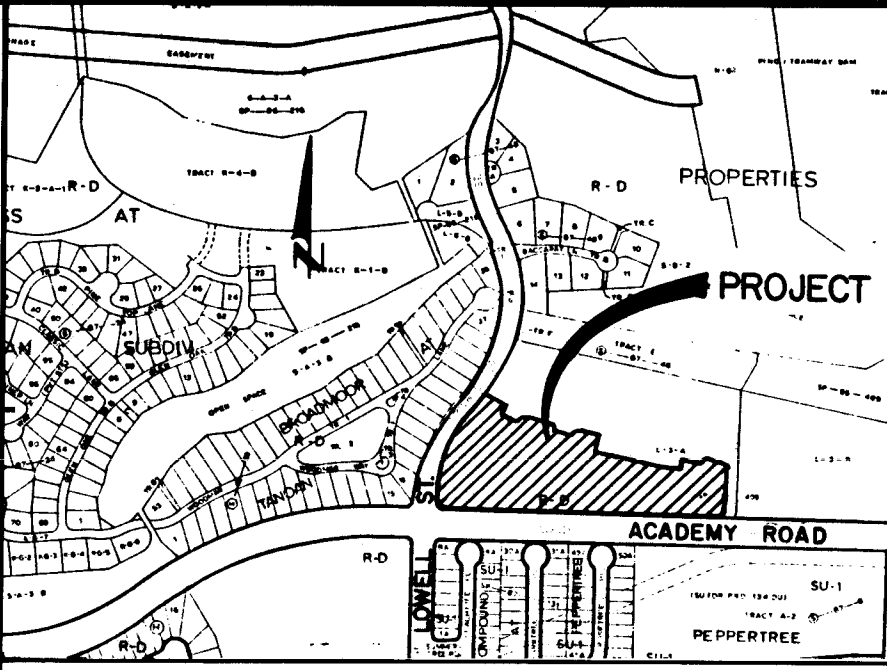
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SUBDIVISION PLAT
3	FINAL GRADING AND DRAINAGE PLAN
4	PAVING PLAN
5	UTILITY PLAN
6-8	PAVING PLAN AND PROFILE ELK HORN DRIVE PUMA PLACE ORYX PLACE
9-11	UTILITY PLAN AND PROFILE ELK HORN DRIVE PUMA PLACE ORYX PLACE
12	RETAINING WALL DETAILS
13-14	RETAINING WALL PROFILES

1	2	3	4	5	6	7	8	9	10	11	12	13	14
26	37	49	91	01	90								

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 9/5/90

REV	SHEETS	CITY ENGINEER	DATE	USER	DEPT.	DATE	USER	DEP
APPROVAL OF REVISIONS								

	BOHANNAN - HUSTON INC. ALBUQUERQUE ENGINEERS PLANNERS PHOTOGRAMMETRISTS	APPROV CONSTR
	PROJECT NUMBER 3749.91	SHEET 1



GENERAL NOTES

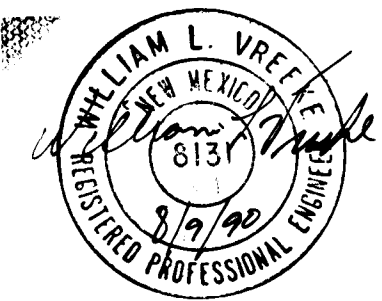
NOTICE TO CONTRACTORS

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR P HEREOF, BE CONSTRUCTED IN ACCORDANCE WITH CITY ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC CONSTRUCTION, 1986 EDITION
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRA CONTACT LINE LOCATING SERVICE, 768-1600, FOR LOCAL EXISTING UTILITIES. **N.M. ONE CALL SYSTEM, 2**
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAV VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF STRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRAC NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONF BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRU CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COOR DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE CONSTRUCTION COORDINATION DIVIS SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR OCCUPYING AN INTERSECTION.
- THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRU CONTRACTOR SHALL COORDINATE THE VALVE SHUT (WITH THE WATER SUPPLY UTILITY DIVISION (823-42

THE FOLLOWING NOTES ALSO APPLY WHEN CH

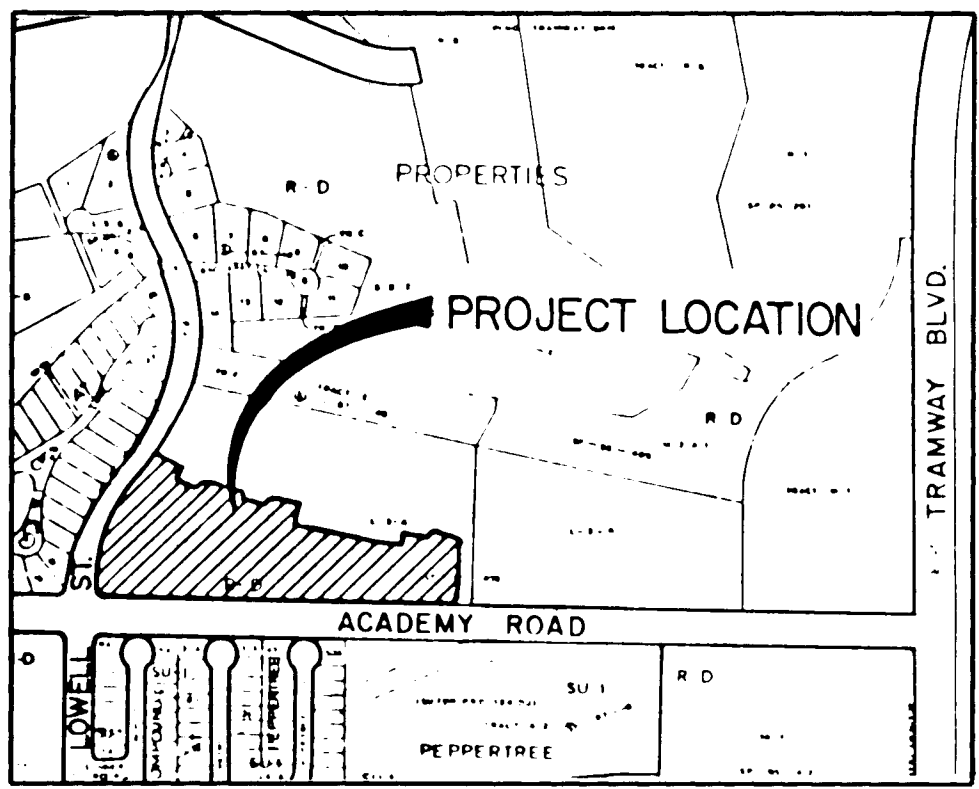
- ☒ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY ENGINEER.
- ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB I SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETI CONSTRUCTED.
- ☐ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD S CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUT
- ☐ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED FINAL ACCEPTANCE.
- ☒ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWAI AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPL THE CONTRACTOR.
- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BI PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SI STREET USE.

CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS (7) DAYS PRIOR TO STARTING WORK IN ORD ENGINEER MAY TAKE NECESSARY MEASURES TO PRESERVATION OF SURVEY MONUMENTS. CONTRAC TO DISTURB PERMANENT SURVEY MONUMENTS WITHOUT T OF THE ENGINEER AND SHALL NOTIFY THE ENGINE THE EXPENSE OF REPLACING ANY THAT MAY BE WITHOUT PERMISSION. REPLACEMENT SHALL BE U THE ENGINEER. WHEN A CHANGE IS MADE IN TH ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY PERMANENT SURVEY MONUMENT IS LOCATED, CONTRAC AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER GRADE UNLESS OTHERWISE SPECIFIED.



RECORD DRAWINGS
DATE 8/9/90

SP 02-21-1924



LOCATION MAP
ZONE ATLAS INDEX MAP NO. E-22-Z
NOT TO SCALE

SUBDIVISION DATA

- DRB No. 00-608
Zone Atlas Index No. E-22-Z
Cross Subdivision Area: 8.1046
Total Number of Lots Created: 44 Lots and 1 Street
Set 5' 8" curb with a 1' 4" yellow plastic survey cap stamped "LS 5978" designated by
Set concrete nail with shiner stamped "LS 5478" designated by
Set punch mark on concrete sidewalk designated by
Found survey cap stamped "HUGO LS 5478" designated by
This plat shows existing easements.
The purpose for filing this plat is to subdivide Tract A, AMENDED PLAT MAP FOR ANTELOPE RUN SUBDIVISION, dedicate right-of-way, and to grant easements.
Site is located within projected Section 27, T11N, R4E, N.M.P.M.
Public road right-of-way created: 1.7793 acres.

NOTES

1. Bearings are New Mexico State Plane Grid Bearings (Central Zone).
2. Distances are ground distances.

PMA DISCLAIMER

I, the undersigned, do hereby certify that the information contained herein is true and correct to the best of my knowledge and belief.

APPROVALS

PLAT NUMBER 5-88-41
PLANNING DIRECTOR 4-12-90
CITY ENGINEER 4-10-90
A.M.A.F.C.A. 4-10-90
TRAFFIC ENGINEER 3-4-90
CITY SURVEYOR 2/27/90
PUBLIC UTILITY DEPARTMENT 3-6-90
PARKS & RECREATION DEPARTMENT 3-6-90
PUBLIC SERVICE COMPANY OF NEW MEXICO 3-1-90
U.S. WEST COMMUNICATIONS 2-27-91
GAS COMPANY OF NEW MEXICO 2-27-90

DESCRIPTION

A certain tract of land situate within the Elena Gallagos Grant, within the east 1/2 of Section 27, (as projected) T11N, R4E, N.M.P.M., City of Albuquerque, Bernalillo County, New Mexico, being all of Tract A of the AMENDED PLAT MAP FOR ANTELOPE RUN SUBDIVISION, as the same is shown and designated on the plat filed in the Office of the County Clerk of Bernalillo County, New Mexico on August 24, 1989 in Volume C39, Folio 158, and being more particularly described by New Mexico State Plane Grid Bearings (Central Zone) and ground distances as follows:

BEGINNING at the the northeasterly corner of said Tract A, being the southeasterly corner of Lot 44 of said ANTELOPE RUN SUBDIVISION, whence the A.C.S. Control Station "7-E22", a brass tablet (having New Mexico State Plane Coordinates: Central Zone X=424,431.28; Y=1,512,773.86) bears N28°05'23"E, 1648.45 feet, thence along the southerly boundary line of said Lot 44 and the northerly boundary line of the tract herein described;
S65°04'38"E, 94.91 feet to the southeasterly corner of said Lot 44 being a point on curve (non-tangent) on the westerly right-of-way line of Elk Horn Drive thence along said westerly right-of-way line, 38.54 feet along the arc of a curve to the right having a radius of 675.00 feet and a chord bearing S26°43'45"W, 38.54 feet to a point thence;
S61°38'07"E, 50.00 feet to a point on curve (non-tangent) on the easterly right-of-way line of said Elk Horn Drive thence along said easterly right-of-way line, 37.60 feet along the arc of a curve to the right having a radius of 25.00 feet and a chord bearing N71°27'09"E, 34.16 feet to a point of tangency on the southerly right-of-way line of Ibex Avenue thence continuing along said southerly right-of-way line;
S65°27'34"E, 43.87 feet to a point of curvature thence;
60.14 feet along the arc of a curve to the left having a radius of 270.00 feet and a chord bearing S71°55'59"E, 62.01 feet to a point of reverse curvature thence;
39.00 feet along the arc of a curve to the right having a radius of 25.00 feet and a chord bearing S33°43'15"E, 35.16 feet to a point on curve thence;
S81°00'14"E, 50.02 feet to a point on curve (non-tangent) thence;
38.92 feet along the arc of a curve to the right having a radius of 25.00 feet and a chord bearing N55°12'21"E, 35.11 feet to a point of tangency thence;
S80°11'50"E, 60.03 feet to the northeasterly corner of Lot 42 of said ANTELOPE RUN SUBDIVISION thence leaving said southerly right-of-way line of Ibex Avenue along the westerly boundary line of said Lot 42;
S09°48'19"W, 85.00 feet to the southeasterly corner of said Lot 42 thence;
S80°11'41"E, 300.00 feet to the southeasterly corner of Lot 37 of said ANTELOPE RUN SUBDIVISION thence;
S83°07'19"E, 80.06 feet to the southeasterly corner of said Lot 37 thence;
N00°23'05"E, 60.82 feet to a point on the said southerly right-of-way line of Ibex Avenue thence continuing along said southerly right-of-way line;
S71°15'27"E, 52.68 feet to a point on curve (non-tangent) on said southerly right-of-way line of Ibex Avenue thence;
43.38 feet along the arc of a curve to the right having a radius of 25.00 feet and a chord bearing N50°05'42"E, 38.14 feet to a point of tangency thence;
S80°11'41"E, 40.55 feet to a point of curvature thence;
35.16 feet along the arc of a curve to the right having a radius of 25.00 feet and a chord bearing S39°54'18"E, 32.33 feet to a point of tangency on the westerly right-of-way line of Antelope Run Road thence along said westerly right-of-way line being the easterly boundary line of the tract herein described;
S00°23'05"W, 218.24 feet to a point of curvature thence;
47.12 feet along the arc of a curve to the right having a radius of 30.00 feet and a chord bearing S45°23'05"W, 42.43 feet to a point of tangency on the northerly right-of-way line of Academy Road, N.E. thence along said northerly right-of-way line being the southerly boundary line of the tract herein described;
N89°36'55"W, 1054.40 feet to a point of curvature (non-tangent) at the southeasterly corner of Tract F-1 of said ANTELOPE RUN SUBDIVISION thence along the easterly boundary line of said Tract F-1 being the westerly boundary line of the tract herein described;
47.13 feet along the arc of a curve to the right having a radius of 30.00 feet and a chord bearing N44°43'00"W, 42.43 feet to a point of compound curvature thence;
198.43 feet along the arc of a curve to the right having a radius of 541.06 feet and a chord bearing N10°47'24"E, 197.32 feet to a point of compound curvature thence;
128.83 feet along the arc of a curve to the right having a radius of 402.94 feet and a chord bearing N30°27'27"E, 128.28 feet to a point of tangency thence;
N39°36'56"E, 43.41 feet to a point of curvature thence;
90.58 feet along the arc of a curve to the left having a radius of 650.00 feet and a chord bearing N35°37'15"E, 90.51 feet to a point of curvature (non-tangent) thence;
67.19 feet along the arc of a curve to the left having a radius of 580.48 feet and a chord bearing N28°14'17"E, 67.15 feet to the point and place of beginning.

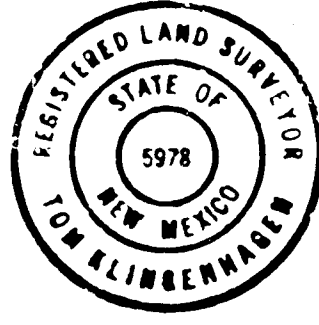
Tract contains 8.1046 acres, more or less.

SURVEYOR'S CERTIFICATION

I, Thomas G. Klingenberg, a registered Professional New Mexico Surveyor, certify that this plat was prepared by me or under my supervision, shows all easements of record, meets the minimum requirements for monumentation and surveys contained in the Albuquerque Subdivision Ordinance, and is true and accurate to the best of my knowledge and belief.

Bohannon-Huston, Inc.
Court yard 1
7500 Jefferson Street, N.E.
Albuquerque, New Mexico 87109

Tom Klingenberg
Thomas G. Klingenberg
New Mexico Surveyor 5978
Date: 2-21-90



PLAT MAP
FOR
ANTELOPE RUN SUBDIVISION
PHASE II

ALBUQUERQUE, NEW MEXICO
JANUARY, 1990

FREE CONSENT AND DEDICATION

The foregoing recital of that certain tract of land situated within the Elena Gallagos Grant, City of Albuquerque, Bernalillo County, New Mexico, being all of Tract A of the AMENDED PLAT MAP FOR ANTELOPE RUN SUBDIVISION, as the same is shown and designated on the plat filed in the Office of the County Clerk of Bernalillo County, New Mexico on August 24, 1989 in Volume C39, Folio 158, and now heron shown and comprising ANTELOPE RUN SUBDIVISION, PHASE II, is with free consent and in accordance with the desires of the undersigned owner(s) and/or proprietor(s) thereof and said owner(s) and/or proprietor(s) do hereby dedicate 1.7793 acres of public road right-of-way and do hereby grant all easements shown on this plat, Electrical Power and Communication easements are reserved for conduits, and pipes for underground utilities, and other related equipment where shown or indicated, including the right of ingress and egress for construction and maintenance, and the right to trim interfering trees and shrubs.

CENTEX HOMES CORPORATION

Richard Mallett
Division President
State of New Mexico
County of Bernalillo

The foregoing instrument was acknowledged before me this 27 day of February, 1990 by Richard Mallett, on behalf of Centex Homes Corporation.
Notary Public

PUBLIC UTILITY EASEMENTS

PUBLIC UTILITY EASEMENTS shown on this plat are ten (10) feet wide and are granted for the common joint use of:

- A. The Public Service Company of New Mexico for the installation, maintenance, and service of overhead and underground electrical lines, transformers, and other equipment, fixtures, structures and related facilities reasonably necessary to provide electrical service.
B. The Gas Company of New Mexico for installation, maintenance, and service of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas.
C. U.S. West for the installation, maintenance and service of all buried and aerial communication lines and other related equipment and facilities reasonably necessary to provide communication services, including but not limited to above ground pedestals and closures.
D. Jones Intercable for the installation, maintenance, and service of such lines, cable, and other related equipment and facilities reasonably necessary to provide Cable TV service.

Included is the right to build, rebuild, construct, reconstruct, locate, relocate, change, remove, modify, renew, operate, and maintain facilities for the purposes described above, together with free access to, from, and over said easements, including sufficient working area space for electric transformers, with the right and privilege to trim and remove trees, shrubs or bushes which interfere with the purposes set forth herein. No building, sign, pool (above ground or subsurface), hot tub, concrete or wood pool decking, or other structure shall be erected or constructed on said easements, nor shall any well be drilled or operated thereon. Property owners shall be solely responsible for correcting any violations of National Electric Safety Code caused by construction, or pools, decking, or any structures adjacent to or near easements shown on this plat.

Chris Simpson 2-27-90

SHEET 1 OF 2 SHEETS

JOB NO. 90101.01



DRB 51-608

DRIVE DATA

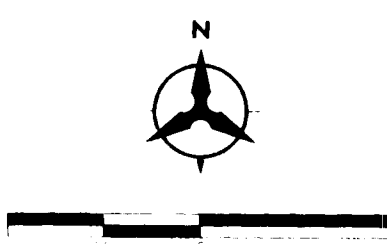
LINE	BEARING	DISTANCE	POINT
1	N 89° 36' 55" W	1054.40	1
2	N 10° 47' 24" E	197.32	2
3	N 30° 27' 27" E	128.28	3
4	N 39° 36' 56" E	43.41	4
5	N 90° 51' 15" E	90.51	5
6	N 28° 14' 17" E	67.15	6
7	N 28° 14' 17" E	67.15	7
8	N 39° 36' 56" E	43.41	8
9	N 30° 27' 27" E	128.28	9
10	N 10° 47' 24" E	197.32	10
11	N 89° 36' 55" W	1054.40	11

TANGENT DATA

LINE	BEARING	DISTANCE	POINT
1	N 89° 36' 55" W	1054.40	1
2	N 10° 47' 24" E	197.32	2
3	N 30° 27' 27" E	128.28	3
4	N 39° 36' 56" E	43.41	4
5	N 90° 51' 15" E	90.51	5
6	N 28° 14' 17" E	67.15	6
7	N 28° 14' 17" E	67.15	7
8	N 39° 36' 56" E	43.41	8
9	N 30° 27' 27" E	128.28	9
10	N 10° 47' 24" E	197.32	10
11	N 89° 36' 55" W	1054.40	11

PLAT MAP
FOR
ANTELOPE RUN SUBDIVISION
PHASE II

ALBUQUERQUE, NEW MEXICO
JANUARY, 1990



Scale 1" = 40'

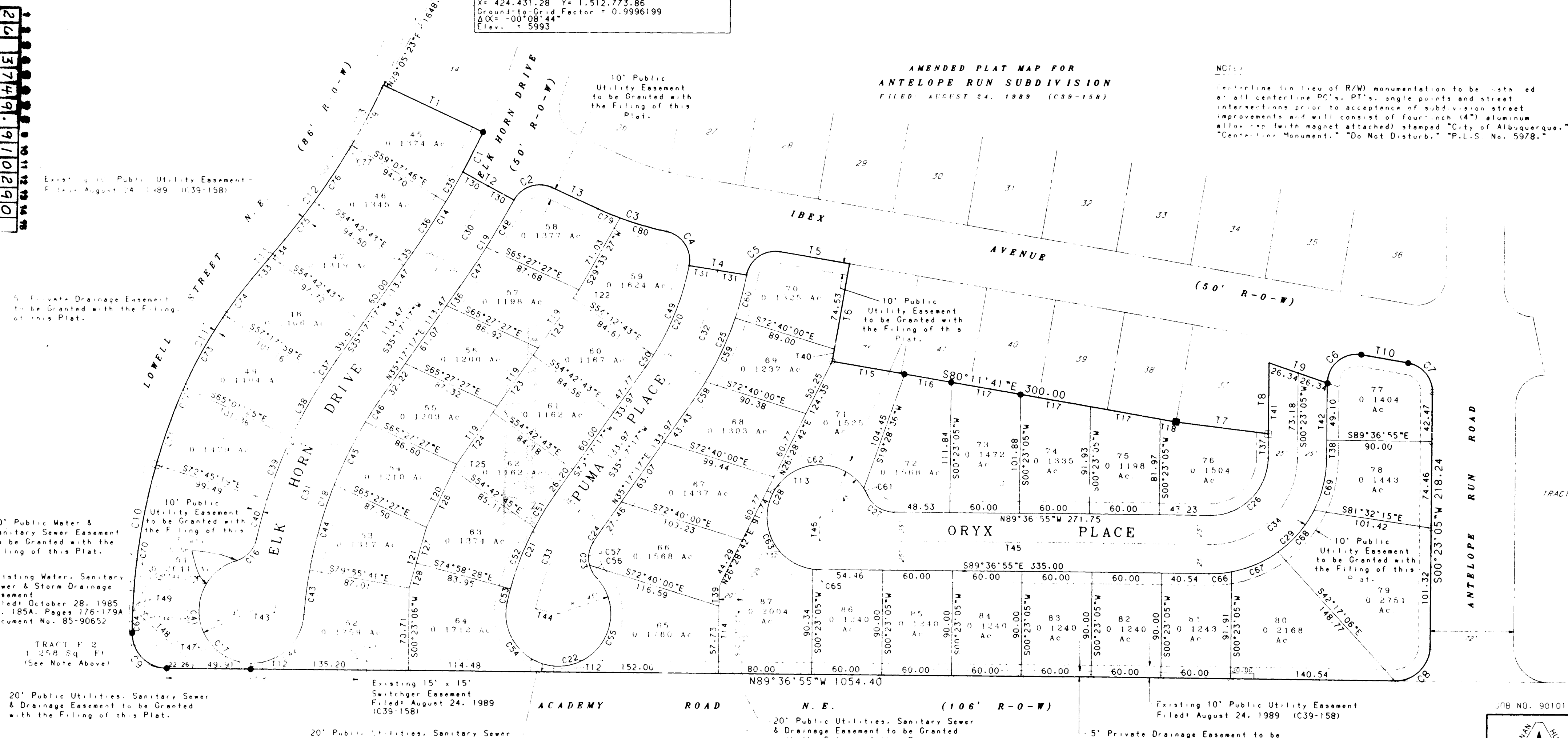
NOTE:
Tract F-2, designated on this Plat, is hereby granted as a Private Landscape Easement to the Tanan Community Association for use and maintenance.

ACS Control Station "7-E22"
N.M. State Plane Grid Coordinates (Central Zone)
X = 424,431.28 Y = 1,512,773.86
Ground-to-Grid Factor = 0.9996199
G.C. = 0000844
Elev. = 5993

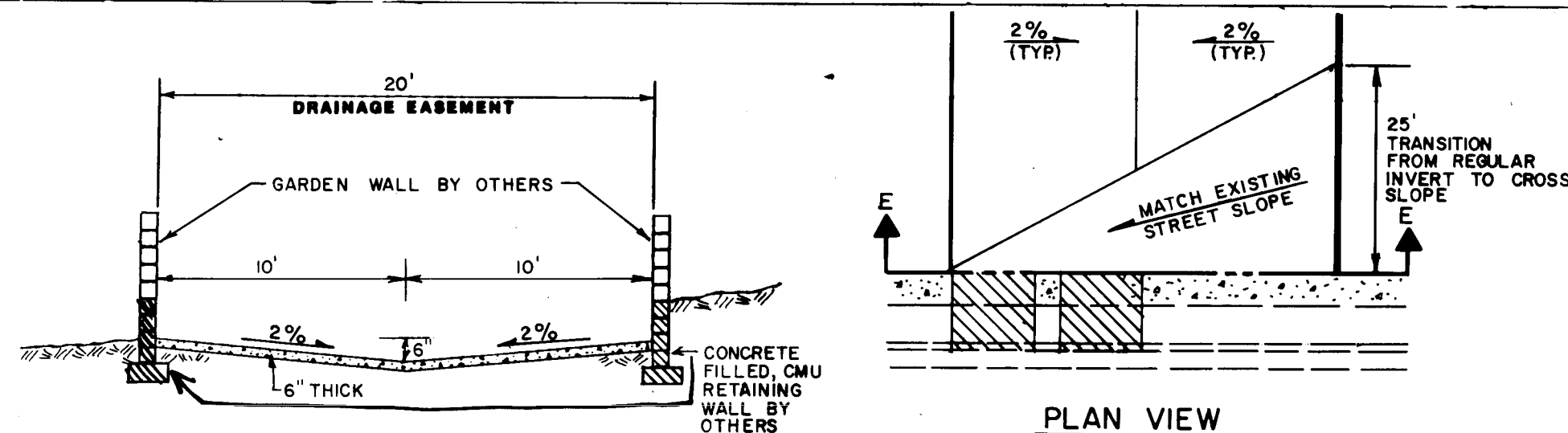
AMENDED PLAT MAP FOR
ANTELOPE RUN SUBDIVISION

FILED: AUGUST 24, 1989 (C39-158)

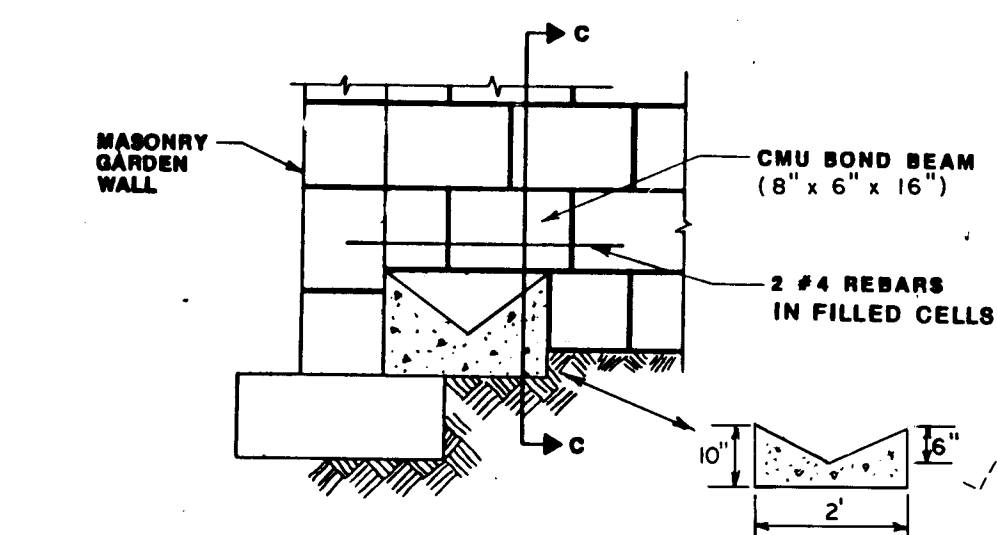
NOTE:
The following (in lieu of R/W) monumentation to be set at all centerline PC's, PT's, single points and street intersections prior to acceptance of subdivision street improvements and will consist of four (4") aluminum alloy rods (with magnet attached) stamped "City of Albuquerque," "Centerline Monument," "Do Not Disturb," "P.L.S. No. 5978."



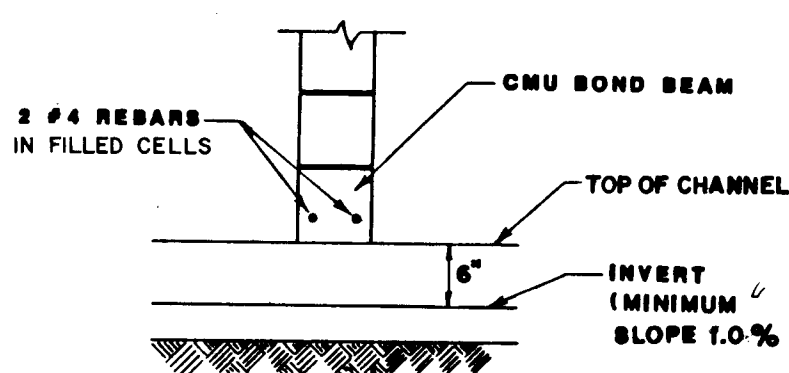
PROJECT NO. 3749.91 SHEET 2 OF 14



SECTION A-A
CONCRETE RUNDOWN
NO SCALE
ACCORDING TO COA STD DWG 2260



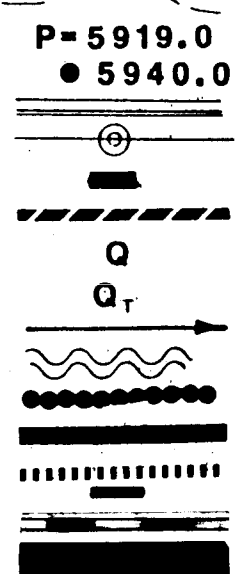
SECTION B-B
REAR YARD PRIVATE DRAINAGE RUNDOWN DETAIL
NO SCALE
(TO BE CONSTRUCTED BY OTHERS)



SECTION C-C
REAR YARD PRIVATE DRAINAGE RUNDOWN DETAIL
NO SCALE

2' WIDE CONCRETE RUNDOWN
(SEE DETAIL B-B) WITH
MINIMUM SLOPE 1.0 %

LEGEND



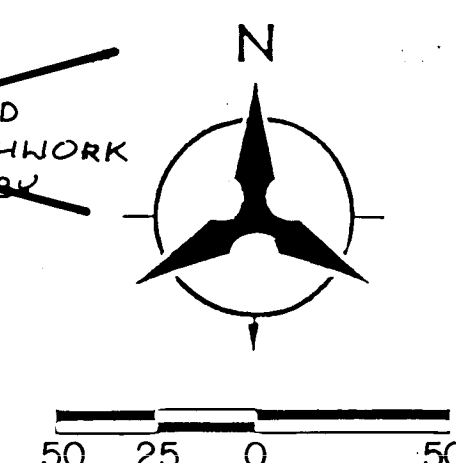
EXISTING CONTOUR
PROPOSED PAD ELEVATION
PROPOSED SPOT ELEVATION
PROPOSED CURB & GUTTER
PROPOSED STORM DRAIN LINE
PROPOSED STORM DRAIN INLET
DRAINAGE BASIN BOUNDARY
FLOW RATE
TOTAL FLOW RATE
PROPOSED DIRECTION OF FLOW
WATER BLOCK
PROPOSED CONCRETE RUNDOWN
PROPOSED RETAINING WALL
PROPOSED EROSION CONTROL BERM
PROPOSED SIDEWALK CULVERT
EXISTING RETAINING WALL
PHASE BOUNDARY

NOTES:
BOHANNAN HILTON INC. DID
NOT INSPECT THE EARTHWORK
OPERATIONS PERFORMED BY
C.M. INC.

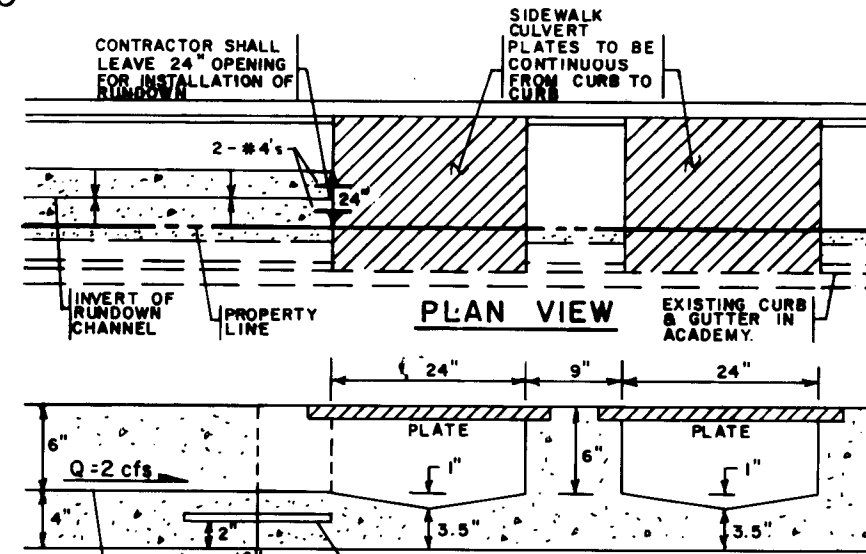
NOTES:

- FOR EARTHWORK SPECIFICATIONS, SEE "PRELIMINARY SUBSURFACE INVESTIGATION TANCAN RESIDENTIAL DEVELOPMENT" PREPARED BY FOX CONSULTING ENGINEERS AND GEOLOGISTS ON OCTOBER 22, 1986.
- PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR MUST OBTAIN A TOP-SOIL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DEPARTMENT.

NOTE
RETAINING WALLS AND GARDEN WALLS WILL BE CONSTRUCTED BY SEPARATE CONTRACTOR. UTILITY CONTRACTOR TO COORDINATE CONSTRUCTION OF WALLS IN ORDER TO BUILD CONCRETE RUNDOWN CHANNEL FROM ORIX TO ACADAMY. WALLS MUST BE BUILT AND BACKFILLED BEFORE CONSTRUCTION OF RUNDOWN BEGINS.

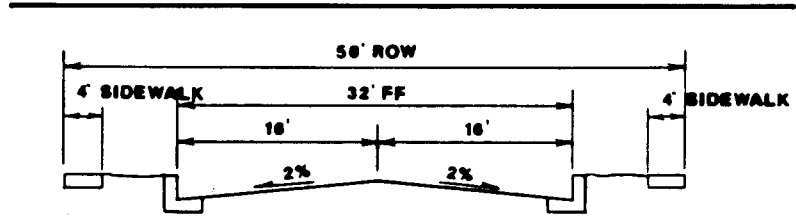


NOTE:
See Paving Plan Sheets 6-8
for As-Built information on
Street Grades. This
sheet shows As-Built
information for Drainage
Structures only.

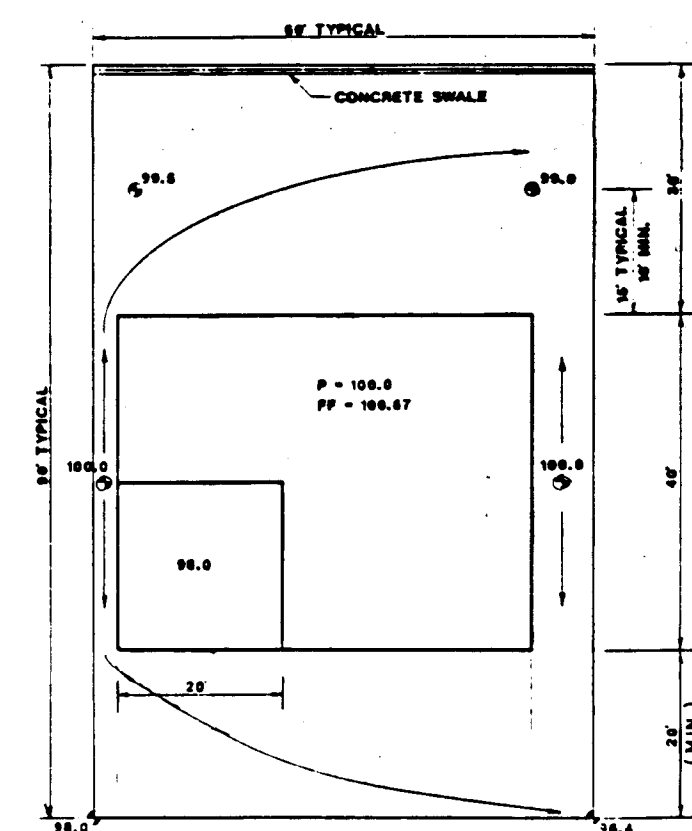


SECTION G-G

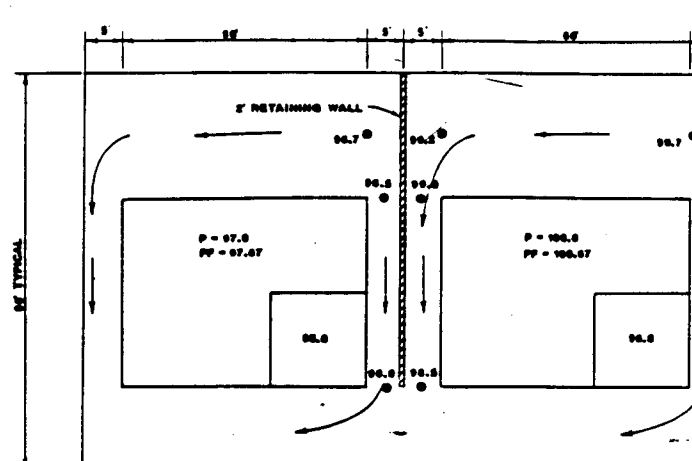
SECTION H-H
2' WIDE, 6" HIGH CONCRETE CHANNEL



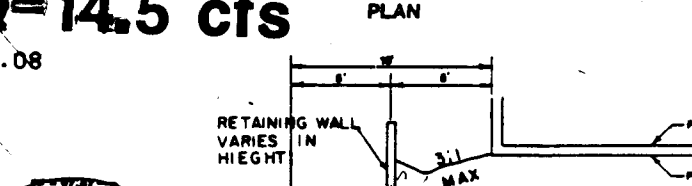
STREET SECTION F-F
NO SCALE



TYPICAL LOT GRADING PATTERN
SPLIT DRAINED LOT
NO SCALE

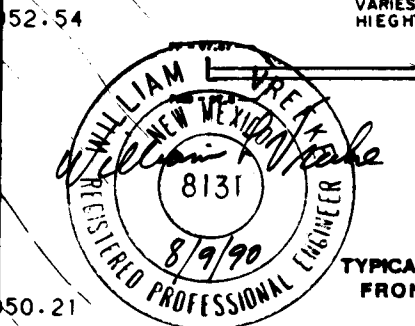


TYPICAL LOT GRADING PATTERN
FRONT DRAINED LOT
NO SCALE



TYPICAL LOT GRADING PATTERN
FRONT DRAINED LOT
NO SCALE

NOTE:
PHASE II GRADING HAS BEEN COMPLETED
WITH PHASE I CONSTRUCTION. PAD
ELEVATIONS ARE FINAL & SHALL NOT BE
ADJUSTED.



RECORD DRAWING
DATE 8/90

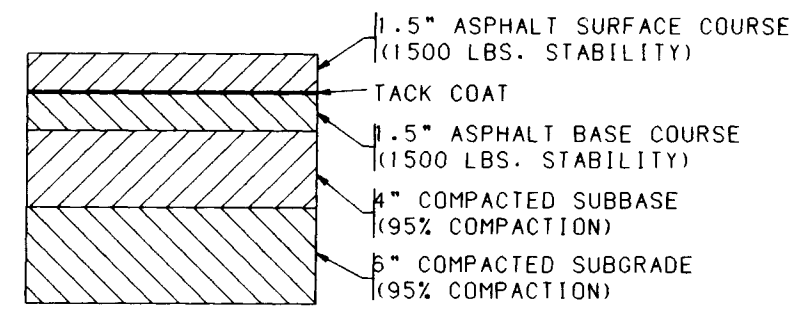
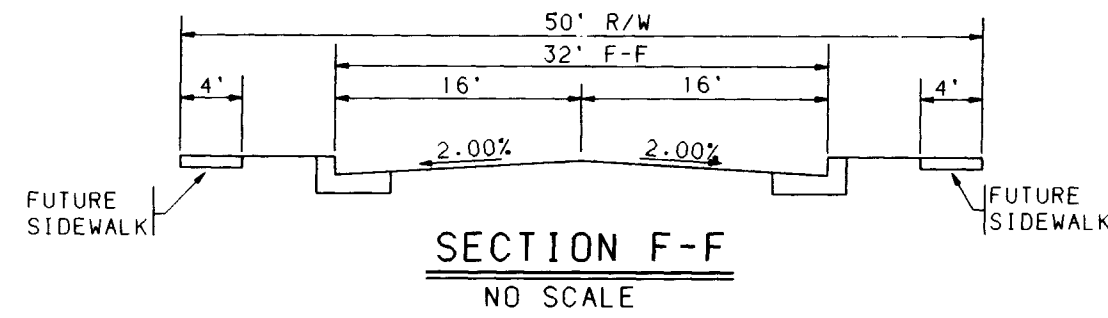
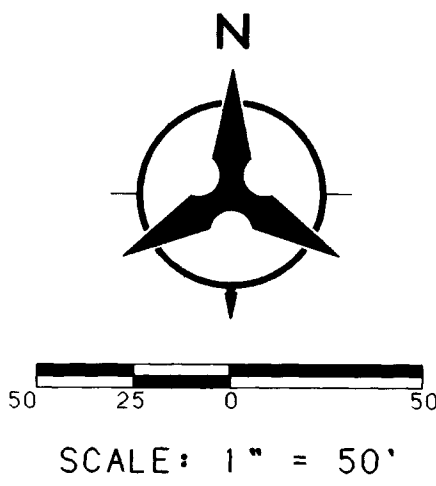
CITY OF ALBUQUERQUE
PUBLIC WORKS
ENGINEERING

ANTELOPE RUN SUBDIVISION - PHASE II
FINAL GRADING & DRAINAGE PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	Royal Green	3/16/90	WATER	R.W. Kane	3/15/90
TRANSPORTATION	Delia H. Hume	3/15/90	WASTE WATER	R.W. Kane	3/15/90
HYDROLOGY	BT Meade	3/15/90			

DRAWING 3749.91 MAP NO. E-22 SHEET 3 OF 14

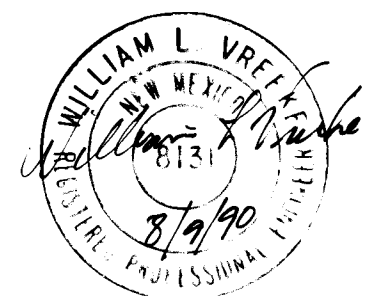
JOB NO. 90101 02



LEGEND	
PROJECT BOUNDARY	---
PHASE BOUNDARY	----
PROPOSED CURB & GUTTER	=====
EXISTING CURB & GUTTER	-----
FUTURE SIDEWALK	
PROPOSED RETAINING WALL	=====
EXISTING RETAINING WALL	=====
PROPOSED CONCRETE RUNDOWN	-----
PROPOSED SANITARY SEWER MANHOLE	●
EXISTING SANITARY SEWER MANHOLE	○
PROPOSED FIRE HYDRANT	⋈
EXISTING FIRE HYDRANT	⋈
PROPOSED GATE VALVE	⋈
EXISTING GATE VALVE	⋈
EXISTING STORM DRAIN MANHOLE	⊙
EXISTING STORM DRAIN INLET	□
EXISTING CONDUIT PIPE	---
CROWN FLATTENING	---

- NOTES**
1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 2. ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
 3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
 4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
 5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AT THE END OF EACH SANITARY SEWER SERVICE.
 6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
 7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
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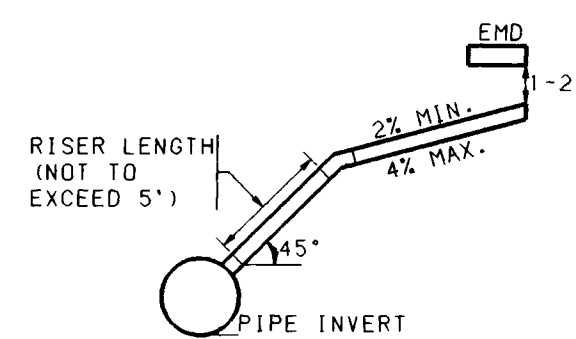
NOTE:
The Retaining Walls for Lots 52-56, 65-69, 71 & 72 will be built during Housing Construction and was not built under Phase II.



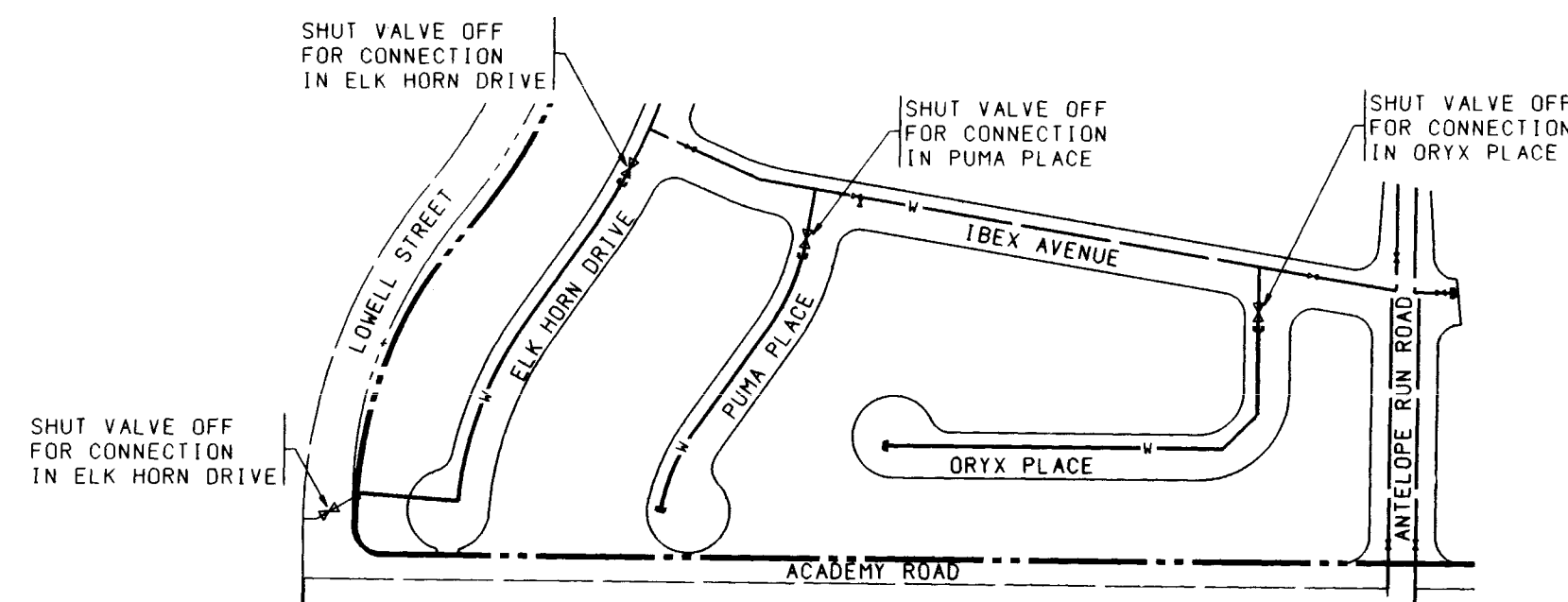
RECORD DRAWING
DATE: 8/9/90

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 3749.91 910490

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
ANTELOPE RUN SUBDIVISION - PHASE II PAVING PLAN			
APPROVALS	ENGINEER	DATE	APPROVALS
DRG CHAIRMAN	R. W. Kane	3/15/90	ENGINEER
TRANSPORTATION	R. W. Kane	3/15/90	DATE
HYDROLOGY	R. W. Kane	3/15/90	
DRAWING NO.	3749.91	MAP NO.	E-22
		SHEET	4 OF 14



SERVICE RISER DETAIL
(SERVICE CONNECTION & INSTALLATION
TO CONFORM TO COA STD. DWG. 2134,
USE C1 SOIL PIPE ONLY)



WATER VALVE SHUT-OFF PLAN
NO SCALE

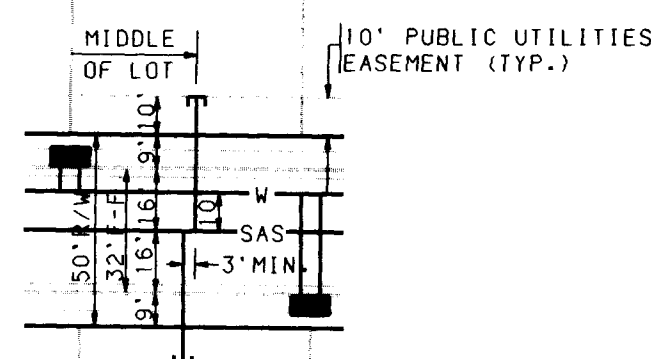
- | <u>LEGEND</u> | |
|---------------------------------|-----------------|
| PROJECT BOUNDARY | ===== |
| PHASE BOUNDARY | ----- |
| PROPOSED CURB & GUTTER | ===== |
| EXISTING CURB & GUTTER | ===== |
| FUTURE SIDEWALK | ===== |
| PROPOSED SANITARY SEWER LINE | ===== SAS ===== |
| EXISTING SANITARY SEWER LINE | ===== SAS ===== |
| PROPOSED SANITARY SEWER MANHOLE | ● |
| EXISTING SANITARY SEWER MANHOLE | ○ |
| PROPOSED SANITARY SEWER SERVICE | ===== 3 ===== |
| PROPOSED WATER LINE | ===== W ===== |
| EXISTING WATER LINE | ===== W ===== |
| PROPOSED FIRE HYDRANT | ● |
| EXISTING FIRE HYDRANT | ● |
| PROPOSED WATER METER SERVICE | ===== ■ ===== |
| PROPOSED GATE VALVE | ■ |
| EXISTING GATE VALVE | ■ |
| EXISTING STORM DRAIN LINE | ===== SD ===== |
| EXISTING STORM DRAIN MANHOLE | ◎ |
| EXISTING STORM DRAIN INLET | □ |

NOTES

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14. CONTRACTOR SHALL CONTACT THE RESIDENT OF LOT 31 TO ADVISE THEM OF THE CONSTRUCTION SCHEDULE TO AVOID ANY CONFLICTS.

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES	BY	DATE	CONTRACTOR:	UNIVERSAL
	ACS BRASS TABLET "4-E22" THE STATION IS 0.63 MILES WEST TO A POINT BETWEEN BEAR CANYON TRIBUTARY AND ARROYO DEL PINO. ELEVATION = 5309.50			WORKED BY: INSPECTOR BY: FIELD BY: FIELD BY: DRAWINGS: CORRECTED BY:	BHI BHI BHI BHI BHI BHI
				DATE: 4/90	DATE: 4/90
				DATE: 7/90	DATE: 7/90
				DATE: 7/90	DATE: 7/90

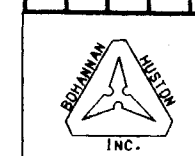
ENGINEER'S SEAL

[illegible]

TYPICAL UTILITY SERVICE LOCATION*

NO SCALE
* PER C.R.A. Std dog's 2125, 2362
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

2	6	3	7	4	9	.	9	1	0	5	9	0
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

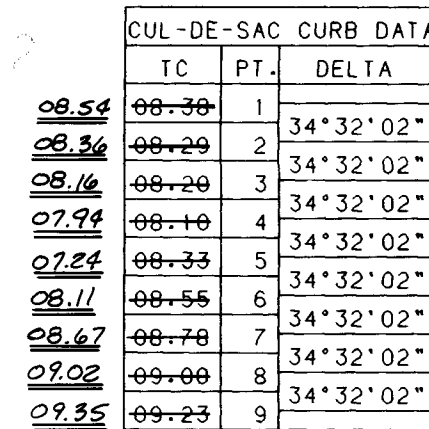
ANTELOPE RUN SUBDIVISION - PHAS
UTILITY PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER
DRC CHAIRMAN	<i>[Signature]</i>	3/16/90	WATER	<i>R.W. Kane</i>
TRANSPORTATION	<i>[Signature]</i>	3/15/90	WASTE WATER	<i>R.W. Kane</i>
HYDROLOGY	<i>[Signature]</i>	3/15/90		

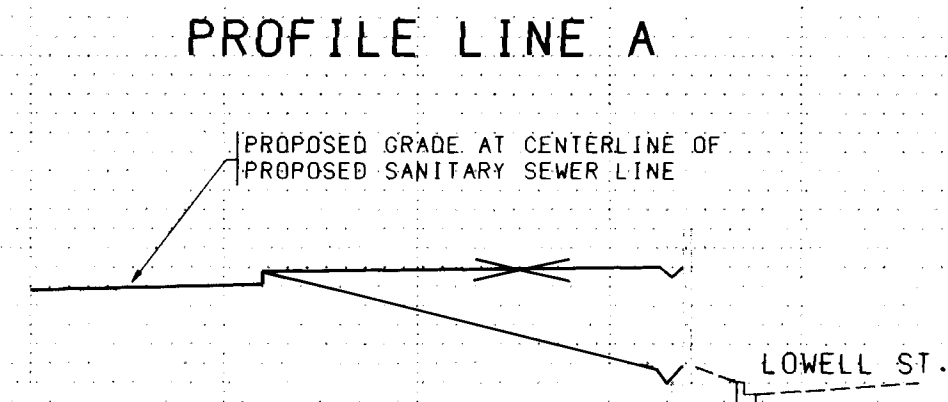
DRAWING NO.	3749.91	MAP NO. E-22	SHEET 5
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RECORD DRAWINGS
DATE 8/90/90

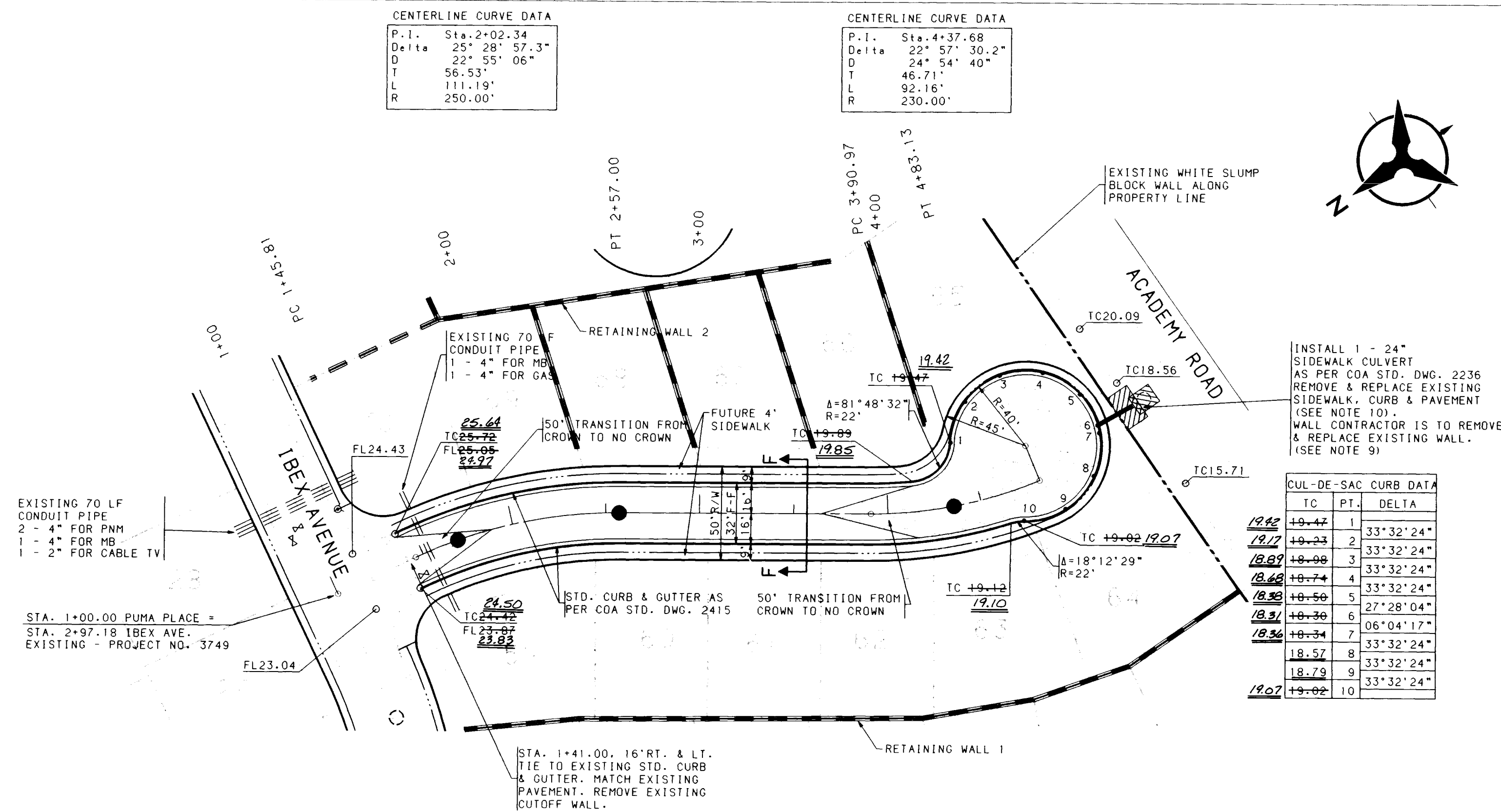
BHI JOB NO. 90101.02



50 25 0 50
SCALE: 1" = 50'
(HORIZ.)



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UNIVERSAL DATE: 4/90 DATE: 7/90 DATE: 7/90 DATE: 7/90 AS BUILT INFORMATION CONTRACTOR: BHI INSPECTOR'S: BHI FIELD: BHI VERIFICATION BY: BHI DRAWING: BHI DATE: 7/90 DATE: 7/90 MICRO-FILM INFORMATION DATE: 7/90 DATE: 7/90 DATE: 7/90 DATE: 7/90											
BENCH MARKS ACS BRASS TABLE "4-E22" THE STATION IS 0.63 MILES WEST TO A POINT BETWEEN BEAR CANYON TRIBUTARY AND ARROYO DEL PINO. ELEVATION = 5909.60 SURVEY INFORMATION NO. BY DATE ENGINEER'S SEAL											
REVISIONS NO. DATE REMARKS BY DESIGN DATE											
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PUMA PLACE

NOTE:
FOR RETAINING WALL PROFILES SEE SHEETS 13 & 14.
FOR SECTION DETAILS SEE SHEET 3.

SCALE: 1" = 50'
(HORIZ.)

5960

5950

5940

5930

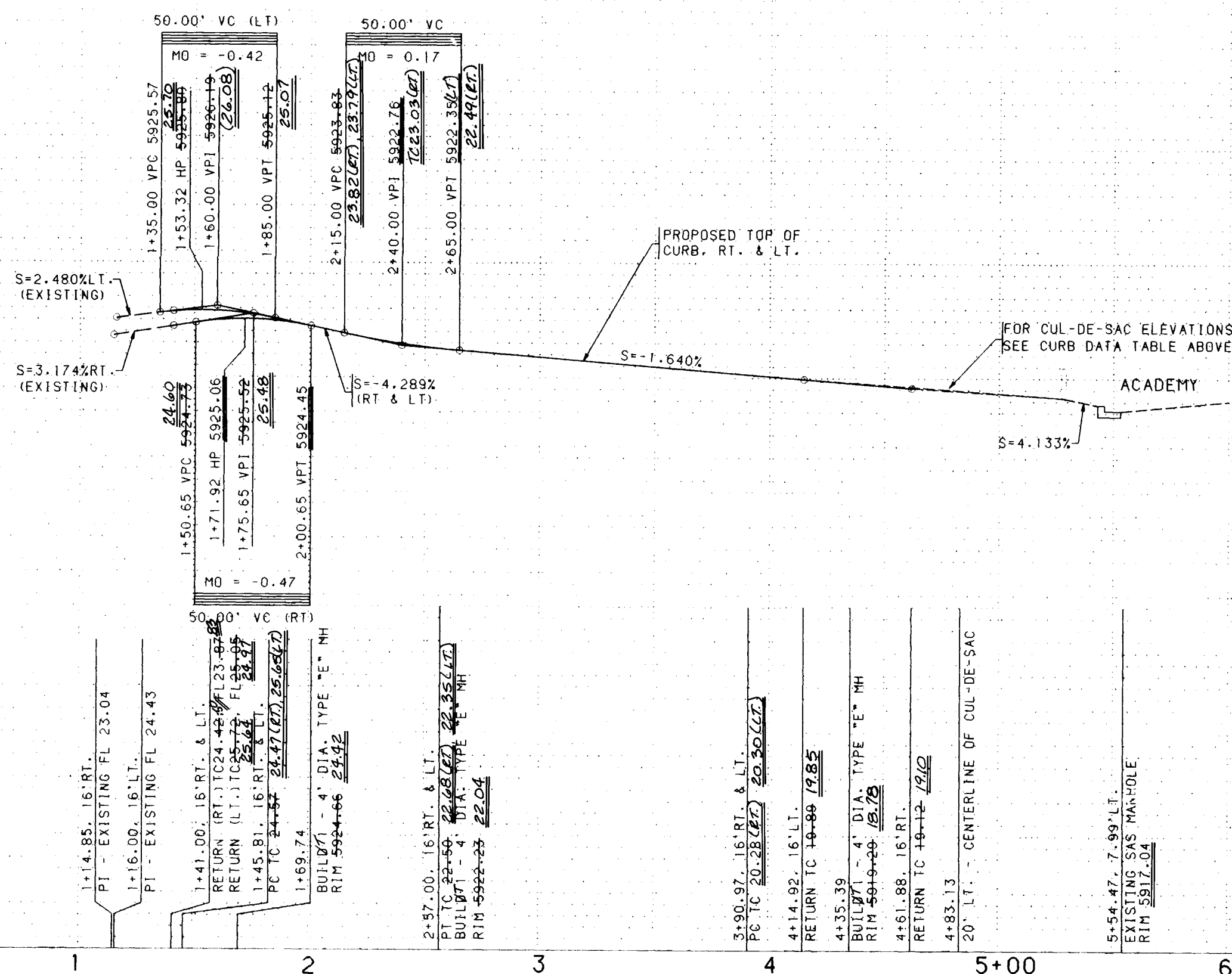
5920

5910

5900

5890

5880



USERNAME: C9010102.PNP
FILENAME: PUMA-PAVING.DWG

BHI JOB NO. 90101.02

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

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RECORD DRAWINGS

DATE: 3/14/90

26 37 49 91 07 90

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

ANTELOPE RUN SUBDIVISION - PHASE
PAVING PLAN & PROFILE
PUMA PLACE - STA. 1+00.00 TO STA. 5+54.4

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER
DR. CHAIRMAN	R.W. Kane	3/14/90	WATER	R.W. Kane
TRANSPORTATION	R.W. Kane	3/15/90	WASTE WATER	R.W. Kane
HYDROLOGY	R.W. Kane	3/15/90		

AS BUILT INFORMATION

CONTRACTOR:	UNIVERSAL	DATE:	4/90
INSPECTOR: <td>BHI<td>DATE:<td>7/90</td></td></td>	BHI <td>DATE:<td>7/90</td></td>	DATE: <td>7/90</td>	7/90
ACCEPTANCE BY: <td>BHI<td>DATE:<td>7/90</td></td></td>	BHI <td>DATE:<td>7/90</td></td>	DATE: <td>7/90</td>	7/90
VERIFICATION BY: <td>BHI<td>DATE:<td>7/90</td></td></td>	BHI <td>DATE:<td>7/90</td></td>	DATE: <td>7/90</td>	7/90
DRAWINGS BY: <td>BHI<td>DATE:<td>7/90</td></td></td>	BHI <td>DATE:<td>7/90</td></td>	DATE: <td>7/90</td>	7/90

BENCH MARKS

CONTRACTOR:	UNIVERSAL	DATE:	4/90
INSPECTOR: <td>BHI<td>DATE:<td>7/90</td></td></td>	BHI <td>DATE:<td>7/90</td></td>	DATE: <td>7/90</td>	7/90
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DRAWINGS BY: <td>BHI<td>DATE:<td>7/90</td></td></td>	BHI <td>DATE:<td>7/90</td></td>	DATE: <td>7/90</td>	7/90

SURVEY INFORMATION

NO.	BY	DATE

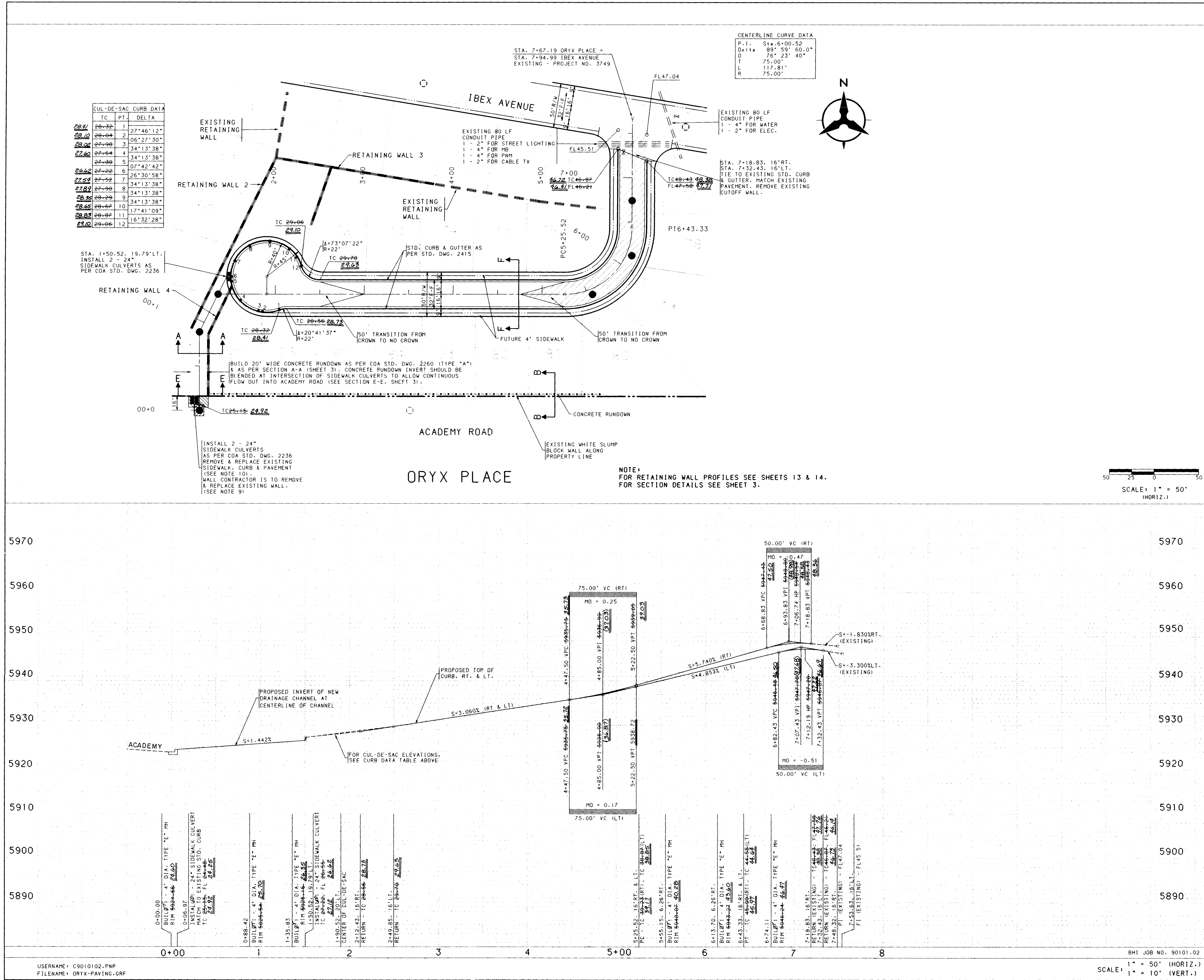
ENGINEER'S SEAL

William L. V...
3-6-90

REMARKS

REV/S/D/MS
DESIGN

DRAWING NO. 3749.91 **MAP NO.** E-22 **SHEET** 7 **OF**



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RECORD DRAWINGS

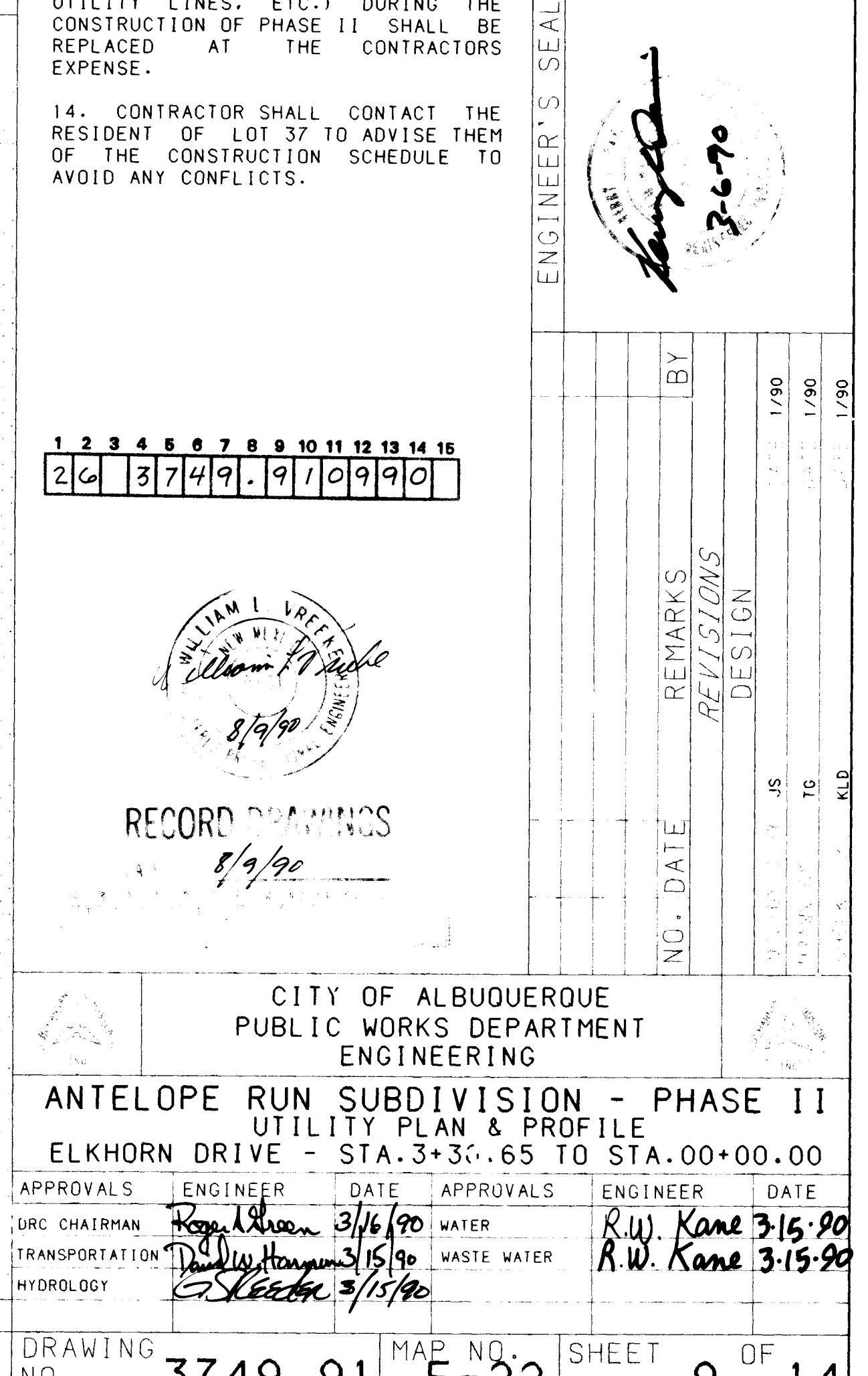
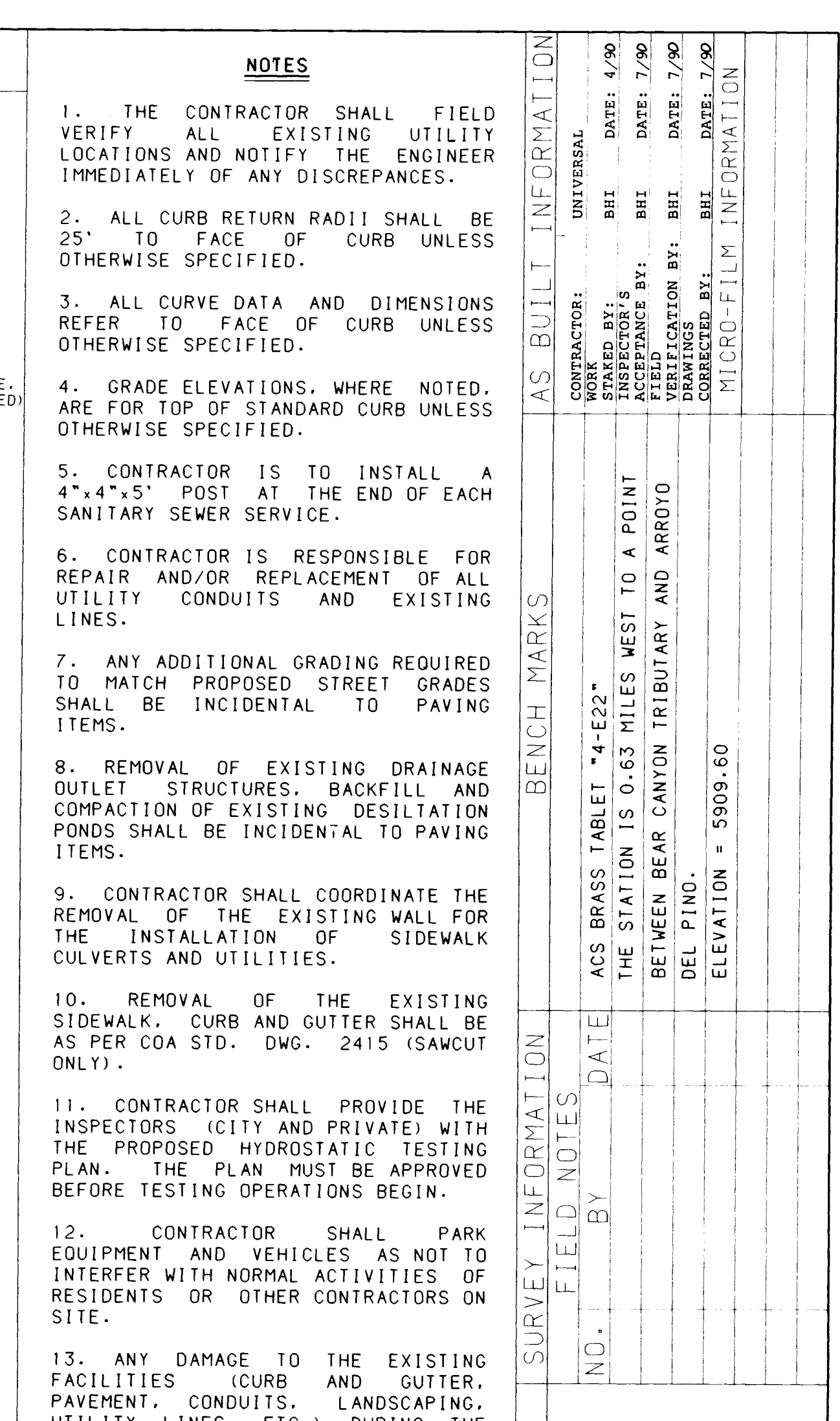
DATE 8/9/90

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

ANTELOPE RUN SUBDIVISION - PHASE II
PAVING PLAN & PROFILE
ORYX PLACE - STA. 1+00.00 TO STA. 7+67.19

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DR. CHAIRMAN	R. W. Kane	3/15/90	WATER	R. W. Kane	3/15/90
TRANSPORTATION	R. W. Kane	3/15/90	WASTE WATER	R. W. Kane	3/15/90
HYDROLOGY	R. W. Kane	3/15/90			

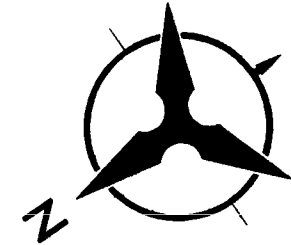
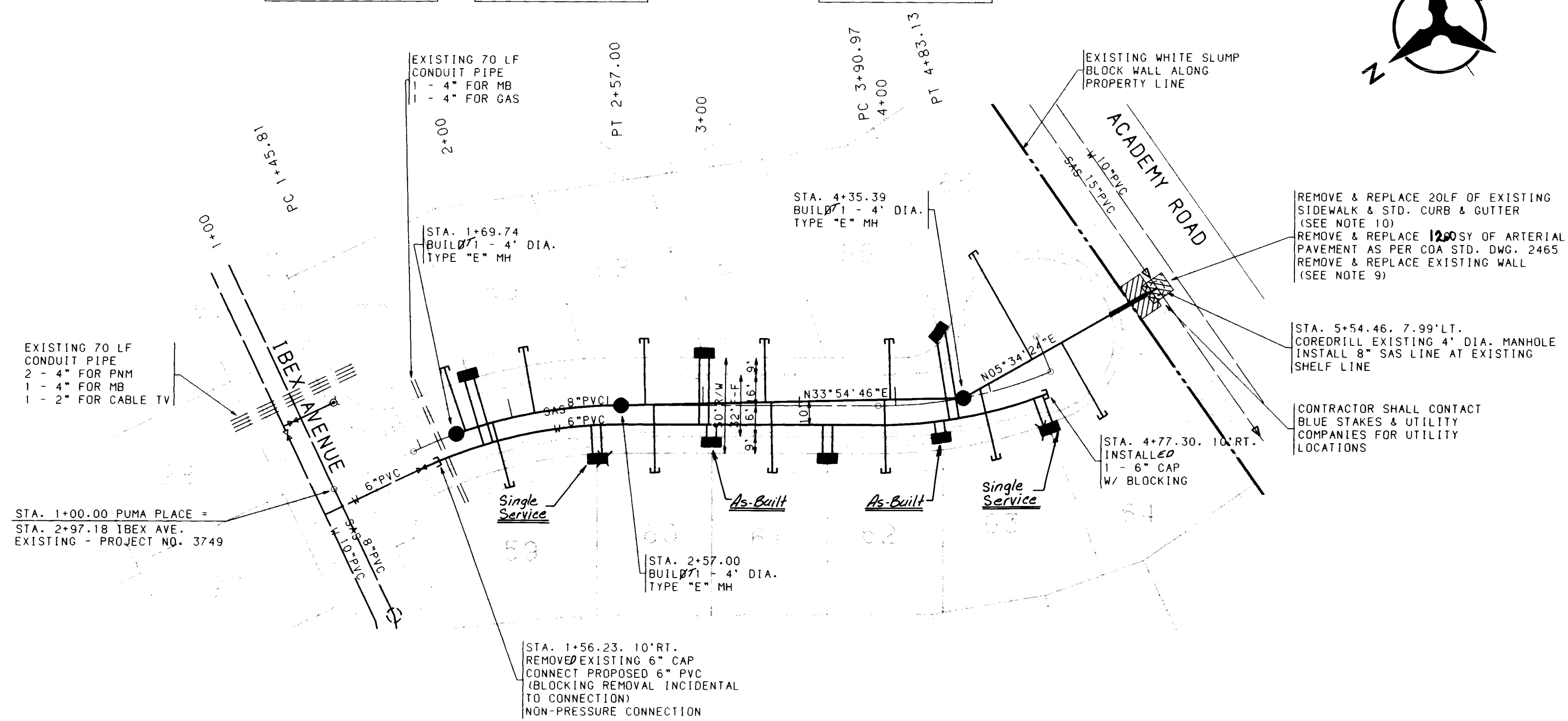
DRAWING NO. 3749.91 MAP NO. E-22 SHEET 8 OF 14



SANITARY SEWER CURVE DATA	
P.I.	Sta. 2+13.81
Delta	19° 59' 32.9"
D	22° 54' 48"
T	44.07'
L	87.25'
R	250.00'

WATERLINE CURVE DATA	
P.I.	Sta. 2+10.50
Delta	25° 28' 57.3"
D	23° 52' 24"
T	54.27'
L	106.74'
R	240.00'

WATERLINE CURVE DATA	
P.I.	Sta. 4+42.68
Delta	24° 20' 57.4"
D	23° 52' 24"
T	51.78'
L	101.99'
R	240.00'



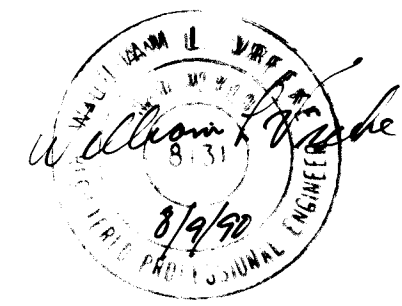
WATER & SANITARY SEWER SERVICES					
LOT	WL STATION	WL TYPE	SAS STATION	SAS LENGTH	INV. AT PLUG
59	6+83.40 RT.	DOUBLE	1+89.40 RT.	35' 42" 15.66' 15.66'	44% NONE) 1.84%
60	2+74.15 RT.	DOUBLE	2+74.15 RT.	35' 42" 15.66' 15.66'	44% 2" 2.10%
61	3+64.77 RT.	DOUBLE	3+35.52 RT.	36' 00" 16.11' 16.11'	44% 2" 2.85%
62	4+44.99 RT.	DOUBLE	3+94.16 RT.	30' 22" 15.62' 15.62'	44% 2" 2.81%
63	4+77.30 RT.	DOUBLE	4+44.99 RT.	30' 22" 15.62' 15.62'	44% 2" 2.85%
64	4+77.30 RT.	DOUBLE	4+94.55 RT.	44' 74" 16.03' 16.03'	44% 5" 2.88% 3'
65	4+28.89 LT.	DOUBLE	4+76.28 LT.	63' 04" 16.03' 16.03'	44% 2" 2.91%
66	3+97.20 LT.	DOUBLE	3+97.20 LT.	31' 72" 15.62' 15.62'	44% 3" 2.75%
67	3+00.43 LT.	DOUBLE	3+32.52 LT.	23' 19" 15.09' 15.09'	44% 3" 2.72%
68	2+69.59 LT.	DOUBLE	2+69.59 LT.	34' 74" 15.09' 15.09'	44% 3" 2.58%
69	1+84.19 LT.	DOUBLE	2+11.76 LT.	35' 31" 16.61' 16.61'	44% 5" 2.65%
70	1+74.74 LT.	DOUBLE	1+74.74 LT.	35' 31" 16.61' 16.61'	44% 5" 2.78%

SANITARY SEWER SERVICES SHALL HAVE A MINIMUM OF 2% SLOPE
AND A MAXIMUM OF 4% SLOPE FROM SADDLE CONNECTION
(APPROX. 1' ABOVE TOP OF PIPE) TO PLUG.

SCALE: 1" = 50'
(HORIZ.)

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- CONTRACTOR SHALL COORDINATE THE REMOVAL OF THE EXISTING WALL FOR THE INSTALLATION OF SIDEWALK CULVERTS AND UTILITIES.
- REMOVAL OF THE EXISTING SIDEWALK, CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
- CONTRACTOR SHALL PROVIDE THE INSPECTORS (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
- CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
- ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING THE CONSTRUCTION OF PHASE II SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
- CONTRACTOR SHALL CONTACT THE RESIDENT OF LOT 37 TO ADVISE THEM OF THE CONSTRUCTION SCHEDULE TO AVOID ANY CONFLICTS.



RECORD DRAWINGS
DATE 8/9/90

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
26	37	49	9	11	10	9	0							

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

ANTELOPE RUN SUBDIVISION - PHASE II
UTILITY PLAN & PROFILE
PUMA PLACE - STA. 1+00.00 TO STA. 5+54.46

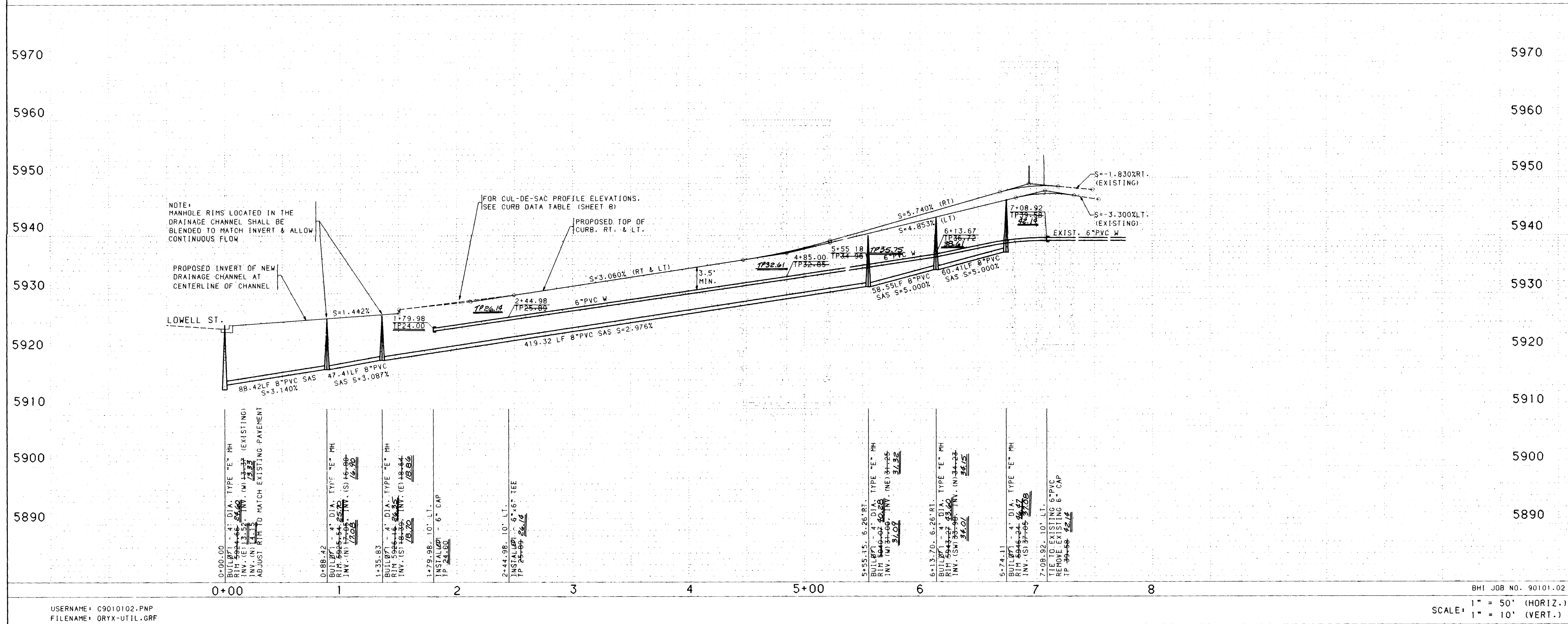
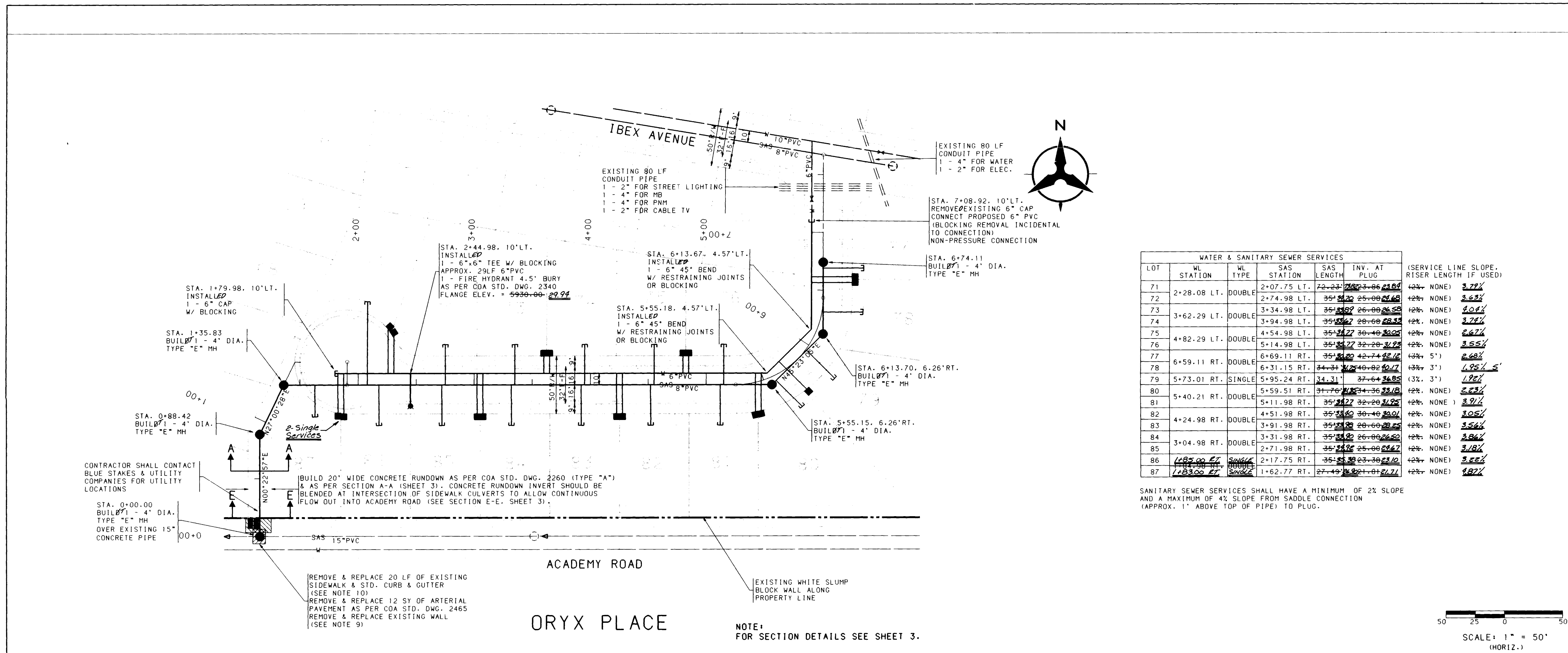
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	R.W. Kane	3/16/90	WATER	R.W. Kane	3-15-90
TRANSPORTATION	David W. Hays	3/15/90	WASTE WATER	R.W. Kane	3-15-90
HYDROLOGY	Shirley A. Hays	3/15/90			

BHI JOB NO. 90101.02

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

DRAWING NO. 3749.91 E-22 SHEET 10 OF 14

USERNAME: C9010102.PNP
FILENAME: PUMA-UTIL.GRF



NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

2. ALL CURB RETURN RADI SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.

5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AT THE END OF EACH SANITARY SEWER SERVICE.

6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.

7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.

8. REMOVAL OF EXISTING DRAINAGE OUTLET STRUCTURES, BACKFILL AND COMPACTION OF EXISTING DESILTATION PONDS SHALL BE INCIDENTAL TO PAVING ITEMS.

9. CONTRACTOR SHALL COORDINATE THE REMOVAL OF THE EXISTING WALL FOR THE INSTALLATION OF SIDEWALK CULVERTS AND UTILITIES.

10. REMOVAL OF THE EXISTING SIDEWALK, CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).

11. CONTRACTOR SHALL PROVIDE THE INSPECTORS (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.

12. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.

13. ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING THE CONSTRUCTION OF PHASE II SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

14. CONTRACTOR SHALL CONTACT THE RESIDENT OF LOT 37 TO ADVISE THEM OF THE CONSTRUCTION SCHEDULE TO AVOID ANY CONFLICTS.

AS BUILT INFORMATION

CONTRACTOR: UNIVERSAL
DATE: 4/90
INSPECTOR'S: BHI
DATE: 7/90
FIELD: BHI
DATE: 7/90
VERIFICATION BY: BHI
DATE: 7/90
CORRECTED BY: BHI
DATE: 7/90
MICRO-FILM INFORMATION

BENCH MARKS

ACS BRASS TABLE "4-E22"
THE STATION IS 0.63 MILES WEST TO A POINT BETWEEN BEAR CANYON TRIBUTARY AND ARROYO DEL PINO.
ELEVATION = 5909.60

SURVEY INFORMATION

NO. BY DATE

ENGINEER'S SEAL

REMARKS
REVISIONS
DESIGN

NO. DATE BY

DATE: 8/9/90

RECORD DRAWINGS

DATE: 8/9/90

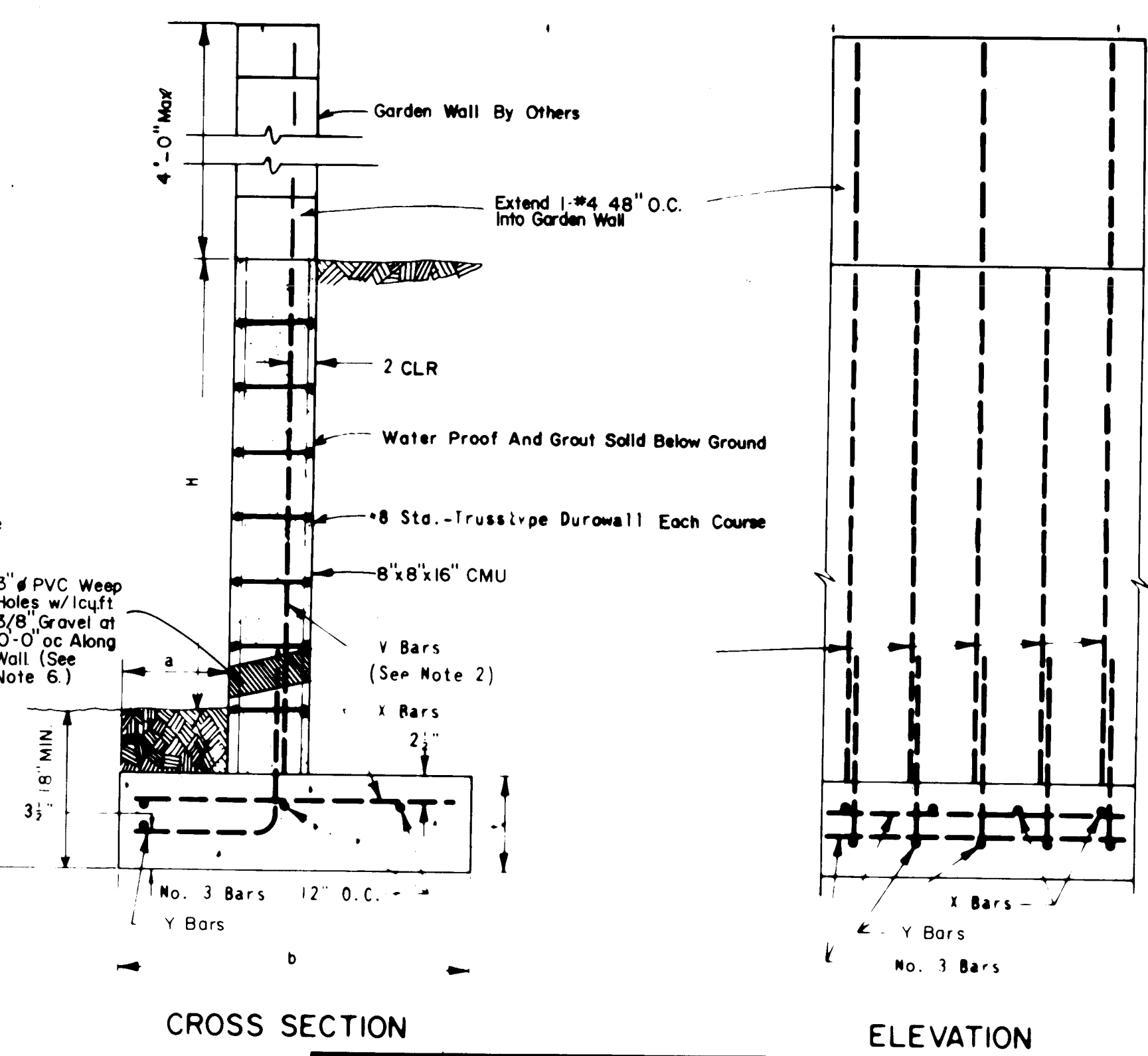
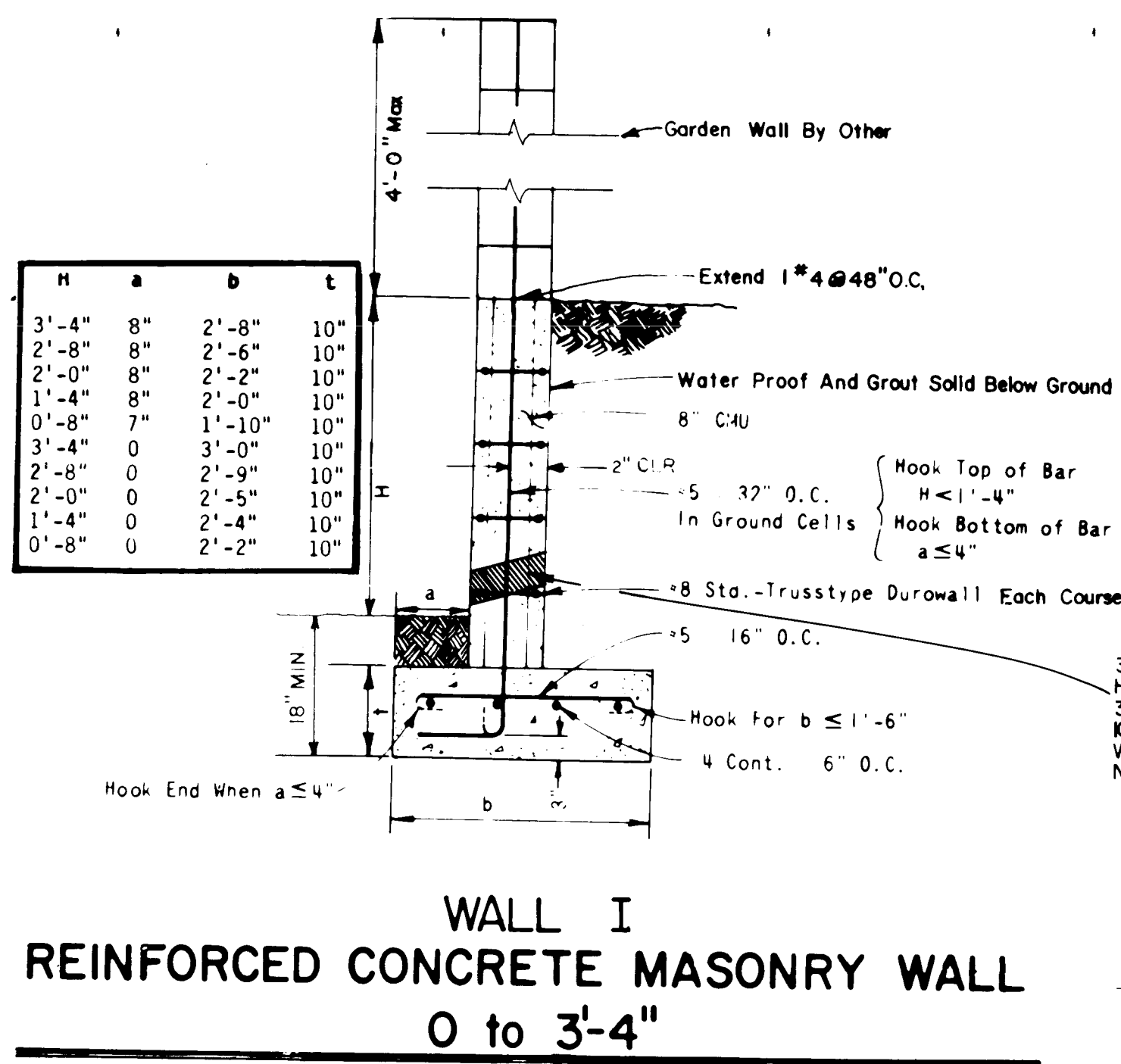
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

ANTELOPE RUN SUBDIVISION - PHASE II
UTILITY PLAN & PROFILE
ORYX PLACE - STA. 1+00.00 TO STA. 7+67.19

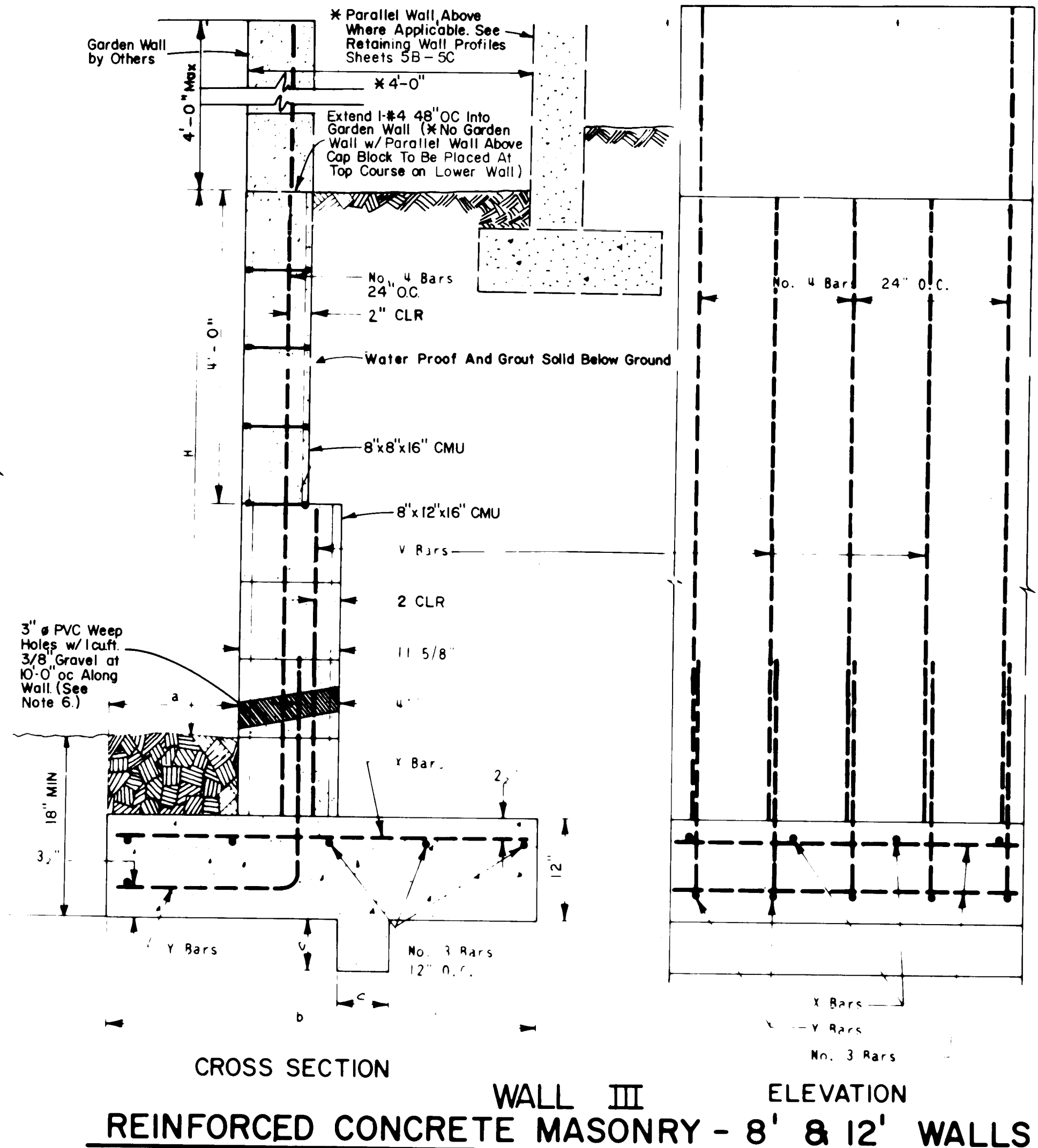
APPROVALS ENGINEER DATE APPROVALS ENGINEER DATE

DRG CHAIRMAN: Roy J. Khan 3/16/90 WATER: R.W. Kane 3-15-90
TRANSPORTATION: Roy J. Khan 3-15-90 WASTE WATER: R.W. Kane 3-15-90
HYDROLOGY: Roy J. Khan 3-15-90

DRAWING NO. 3749.91 MAP NO. E-22 SHEET 11 OF 14

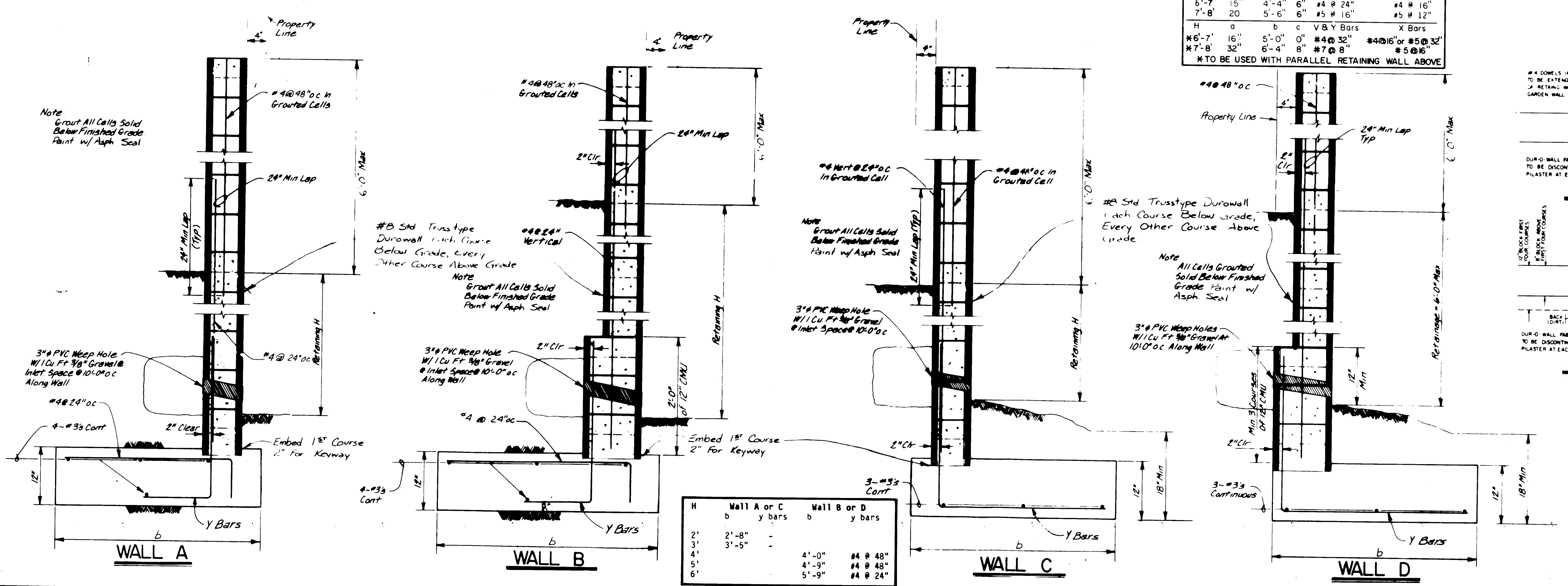


**WALL II
REINFORCED CONCRETE MASONRY WALLS
3'-4" to 6'-0"**



- GENERAL NOTES**
- Retaining wall footings shall be placed on a minimum of 2'-0" of engineered fill extending a minimum of 2'-0" from the edge of the footing and compacted to a minimum of 95% optimum density (ASTM D-1557). Backfill shall be free draining material and shall be placed in 8" loose lifts and compacted to 90% optimum density (ASTM D-1557) with light vibratory compacting equipment.
 - Retaining wall shall not be back-filled until at least 7 days after placing of final grout level, where heavy equipment is used in back-filling walls designed to resist earth pressure only, such equipment should not approach closer to the top of the wall than a distance equal to the height of the wall. Care should be taken to avoid exerting large impact forces on the wall as could be caused by a large mass of moving earth. Slopes up away from walls should not exceed 3:1.
 - Vertical control joints with PVC inserts shall be placed at intervals not to exceed 30'-0" on center. Pilasters may be substituted for control joints when placed at 12'-0" intervals. Discontinue durowall each side of pilasters.
 - Minimum lap splice on reinforcing bars shall be 30 bar diameters or 1'-6" minimum. Reinforcement of a size and spacing other than that given in the tables may be used providing such other reinforcement furnishes an area of steel area at least equal to that given in the table.
 - Construction of retaining walls shall conform to requirements of the Uniform Building Code Section 24, low lift grouting method.
 - Omission of a vertical mortar joint on first course at 48" O.C. may be substituted for PVC weep holes. White slump block with a minimum compressive strength of 1500 psi may be substituted for standard CMU Grade N.
 - DESIGN DATA
Block Weight 12" = 130 pcf.
Block Weight 8" = 85 pcf.
Soil Weight = 130 pcf.
Eq'v. Fluid Pressure = 43 pcf.
Soil Bearing Pressure = 1500 pcf.
1/3 Increase for Wind/Seismic
Coefficient of Friction = 0.4
Passive Soil Pressure = 320 pcf.
Concrete f'c (28 days) = 3000 psi
Grout Strength = 2000 psi
CMU Grade N = 1500 psi (Grouted)
Reinforcement = 60 psi ASTM A-615.

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ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	DESIGNED BY	DRAWN BY	CHECKED BY
1	8/15/87	Removed Note for Information Only			

**CITY OF ALBUQUERQUE
PUBLIC WORKS
ENGINEERING**

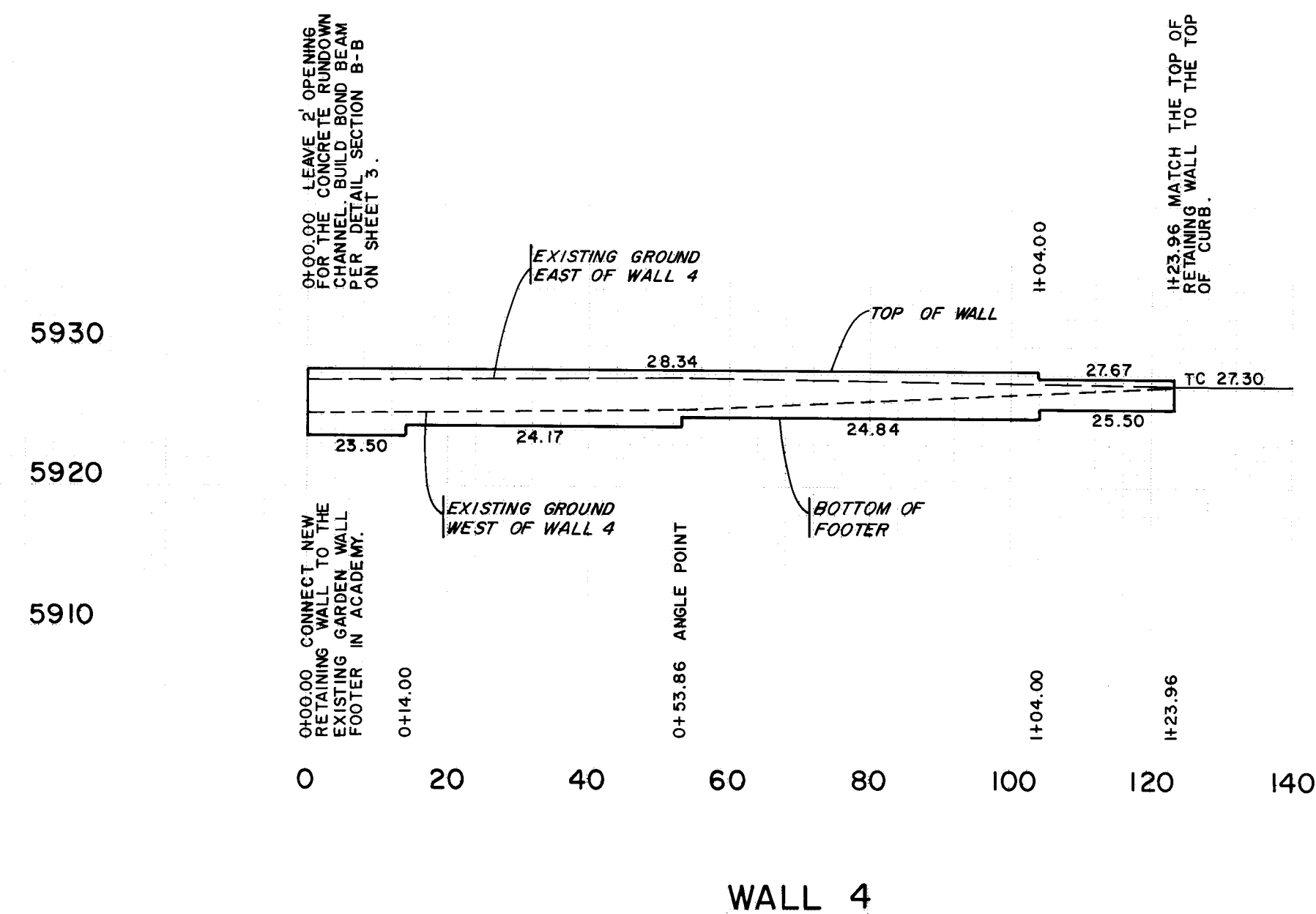
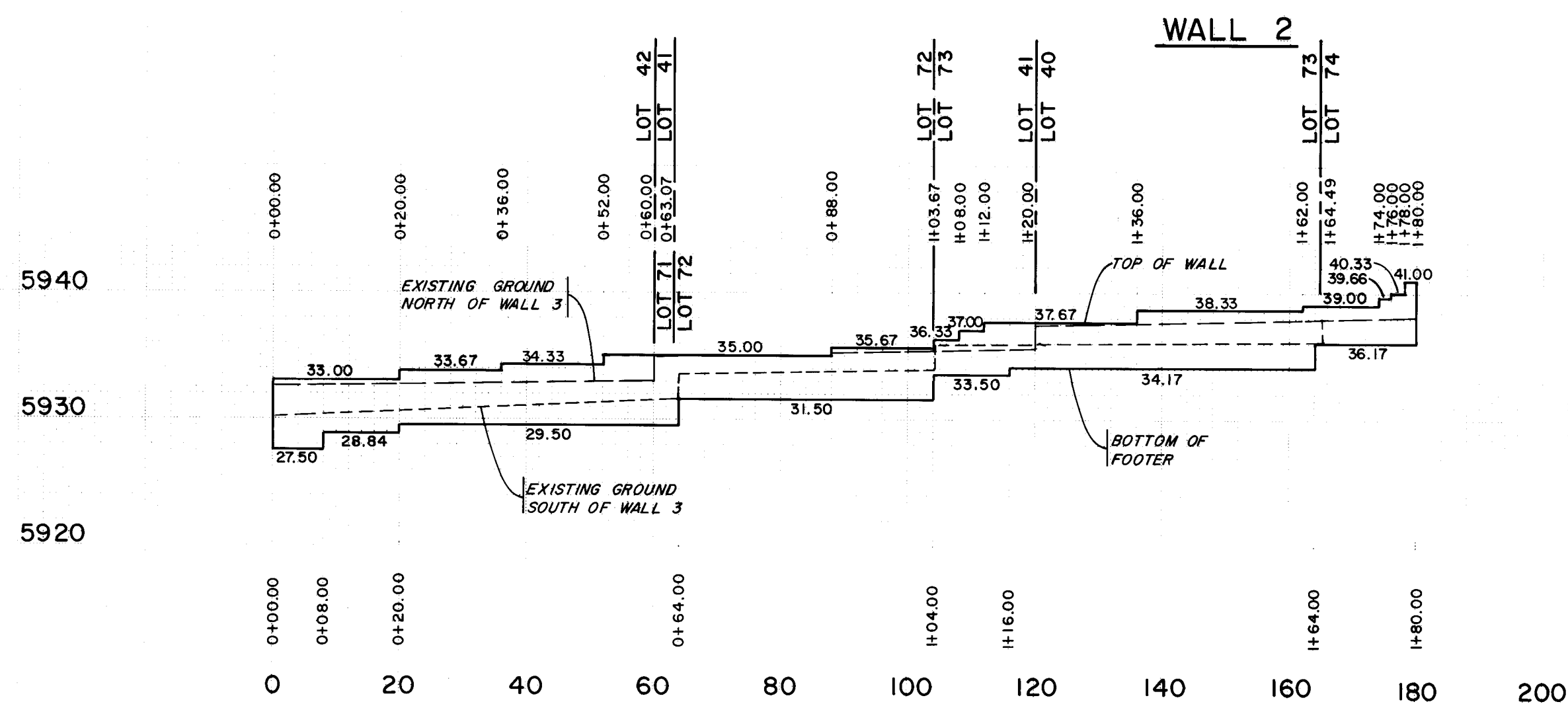
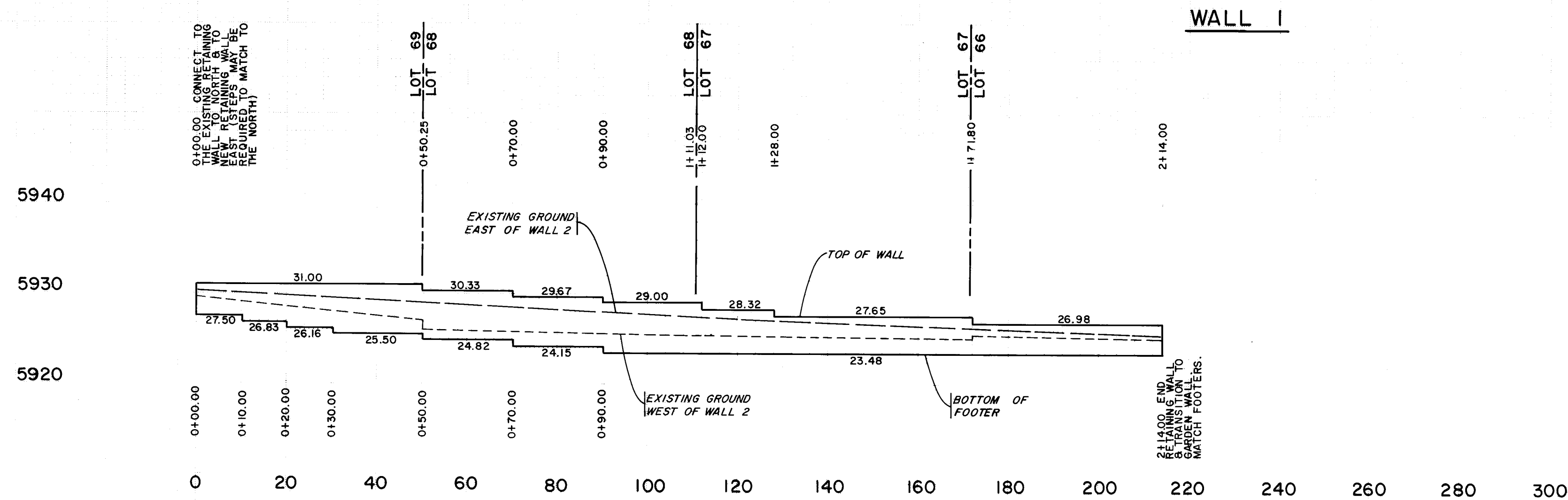
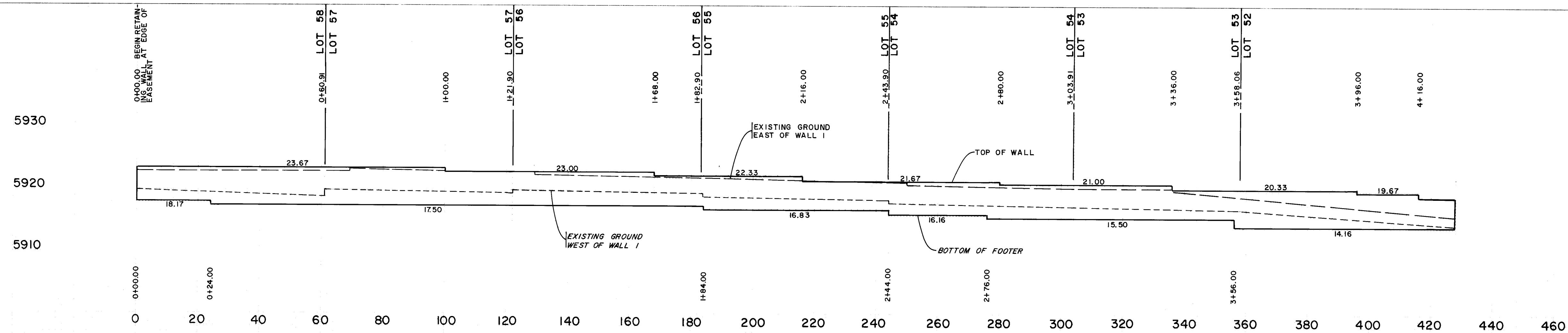
**TITLE: ANTELOPE RUN SUBDIVISION - PHASE II
RETAINING WALL DETAILS**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	Rogel	3/16/90	WATER	R.W. Kane	3-15-90
TRANSPORTATION	D. Williams	3/16/90	WASTE WATER	R.W. Kane	3-15-90
HYDROLOGY	ES/Eden	3/15/90			

DRAWING NO. 3749.91 MAP NO. E-22 SHEET 12 OF 14

FINAL	SURVEY	DATE
NO.	BY	
NOTE BOOK		
AREAS CHECKED		

ORIGINAL	SURVEY	DATE
NO.	BY	
NOTE BOOK		
AREAS CHECKED		

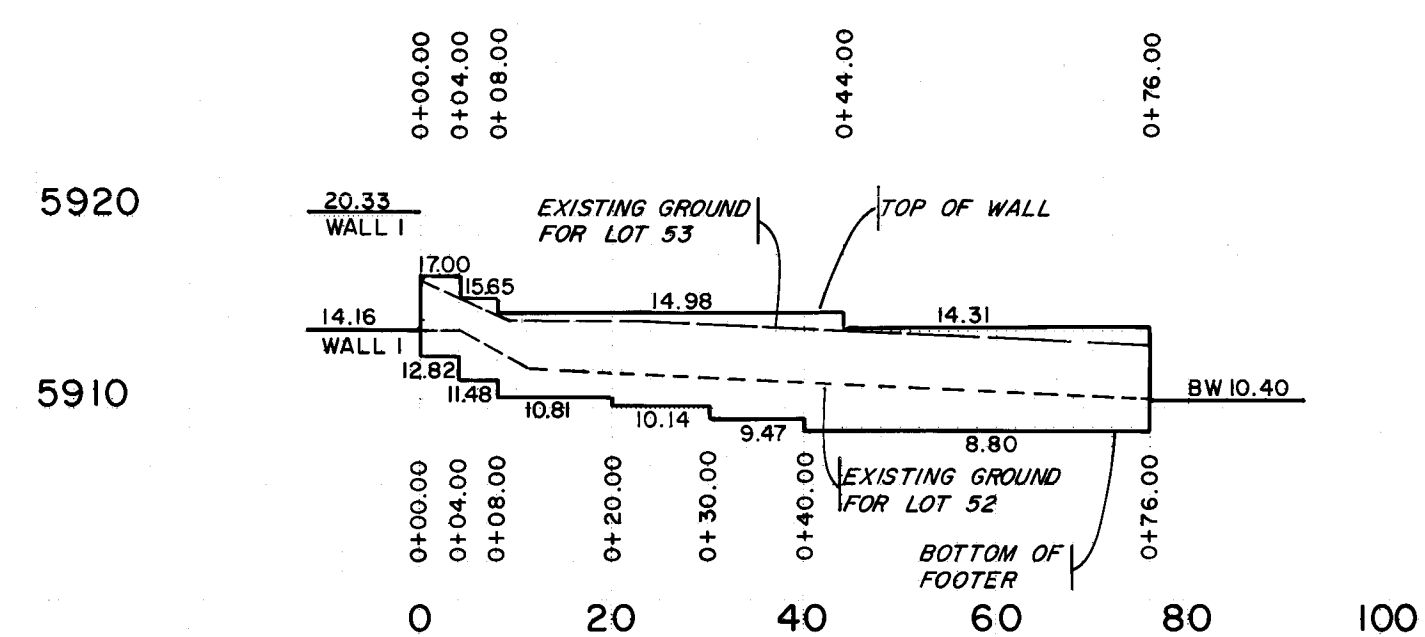


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3-790

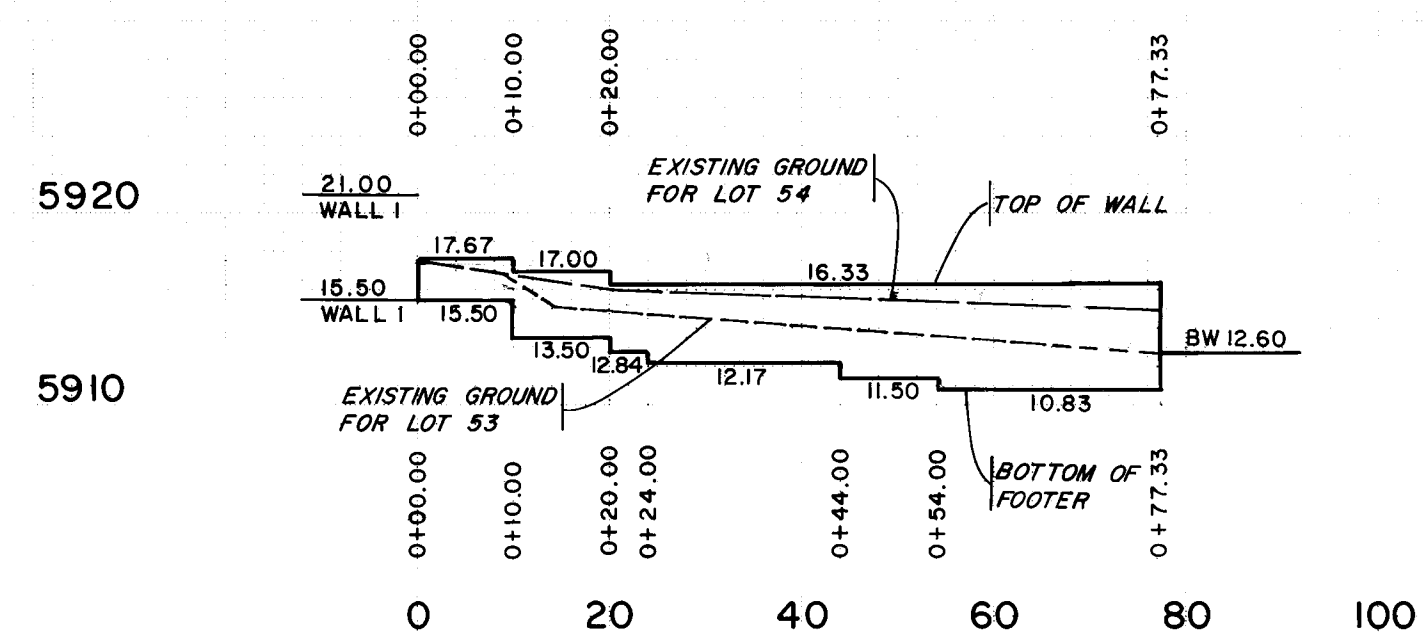
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SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

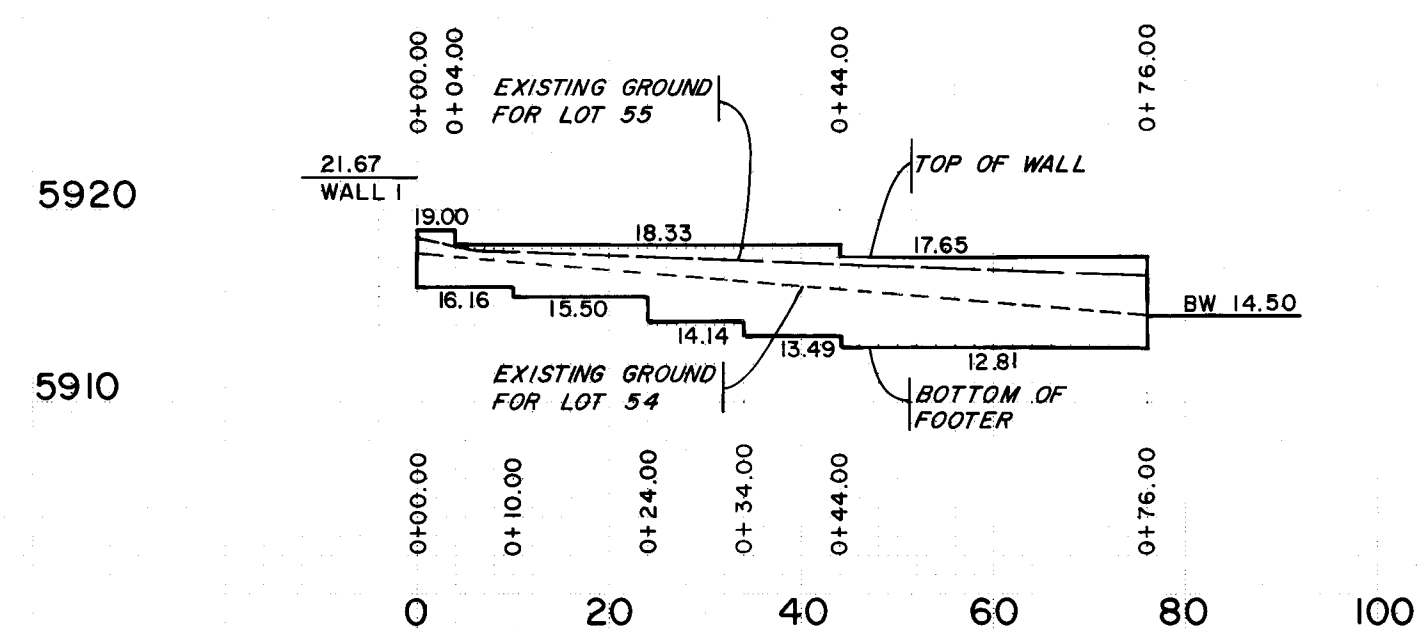
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SURVEY	PLOTTED		
NOTE BOOK	EXPLAINED		
NO.	AREAS		
	AREAS CHECKED		



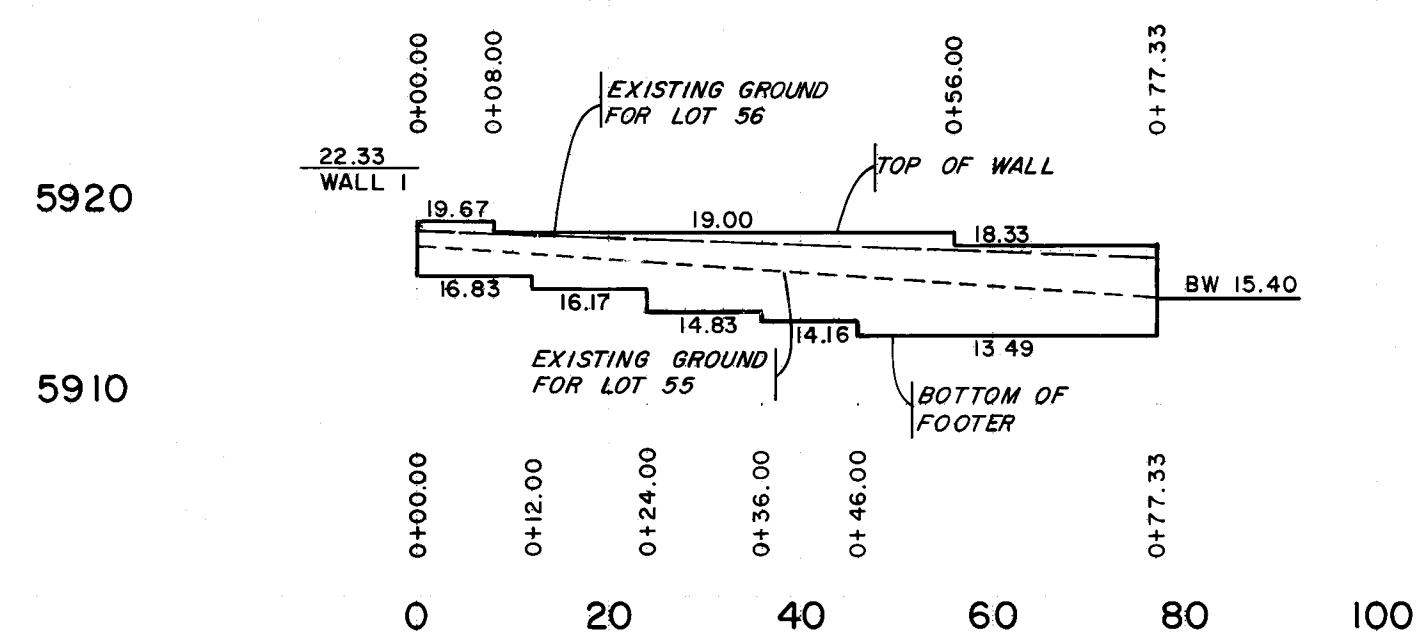
LOT 52 / 53



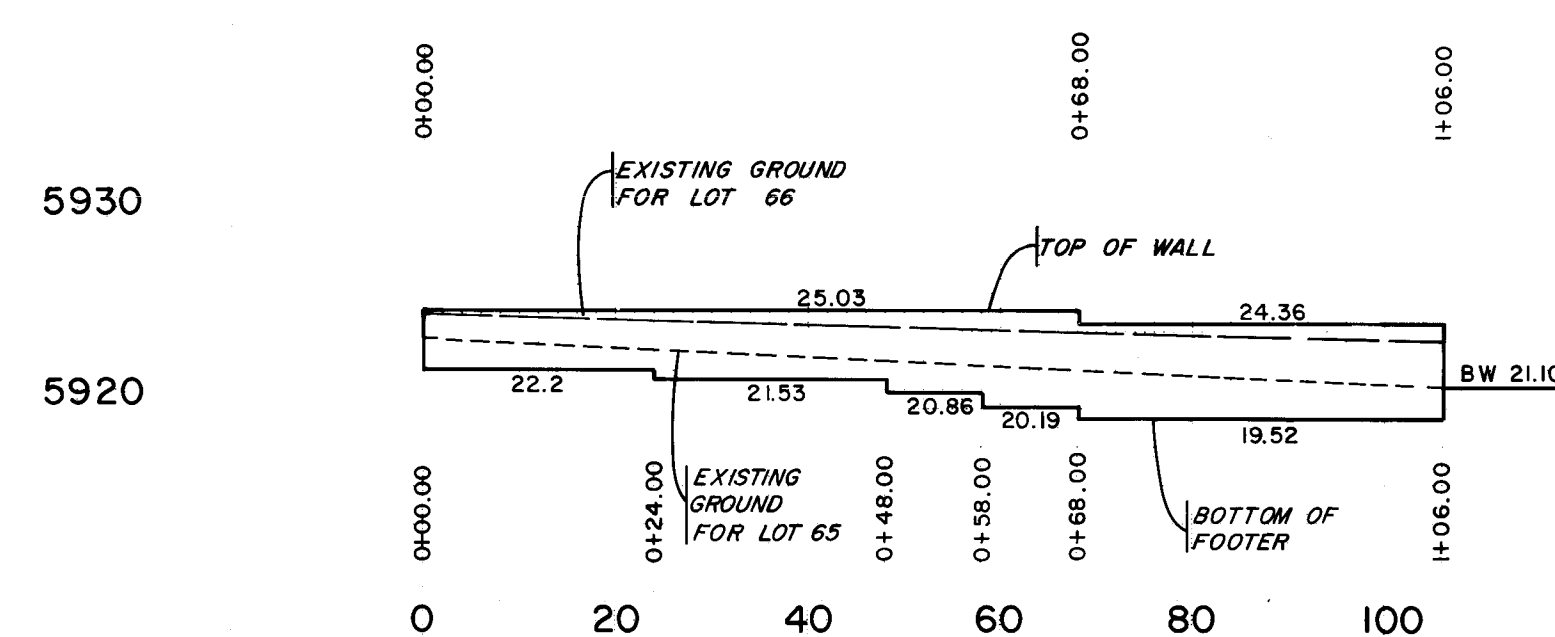
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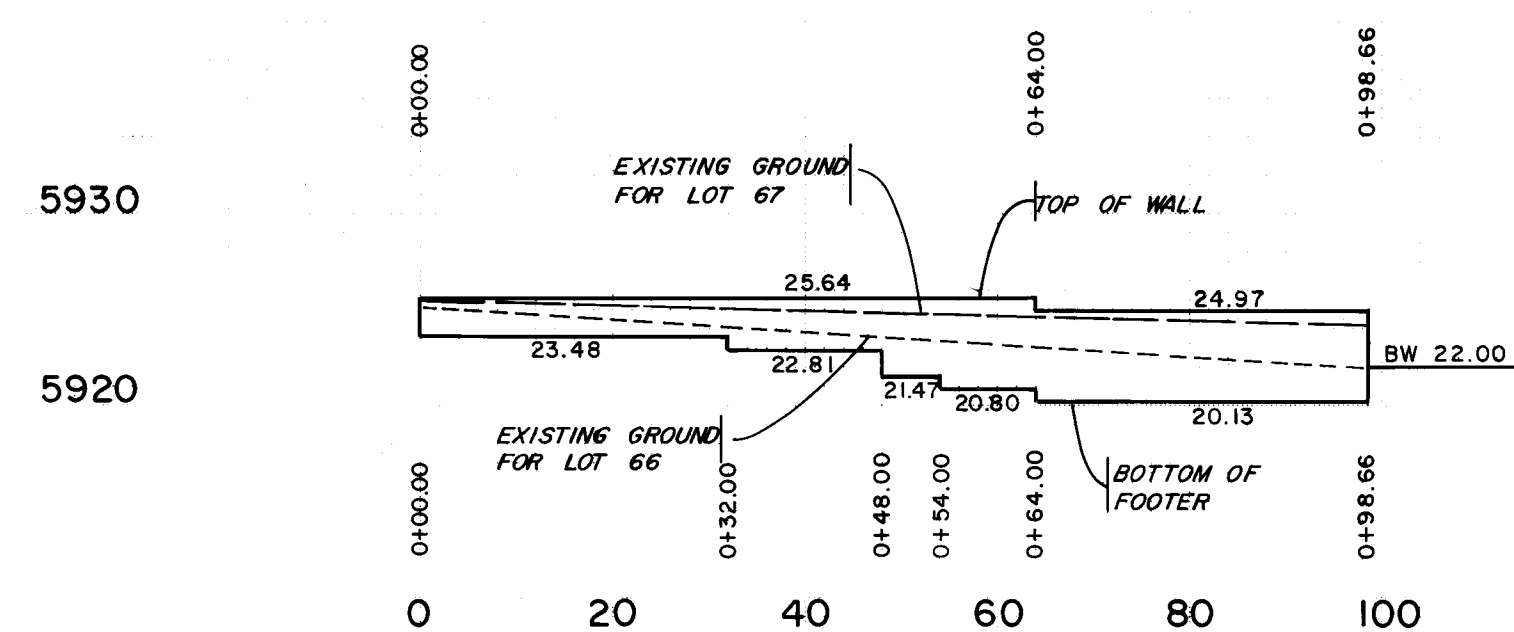
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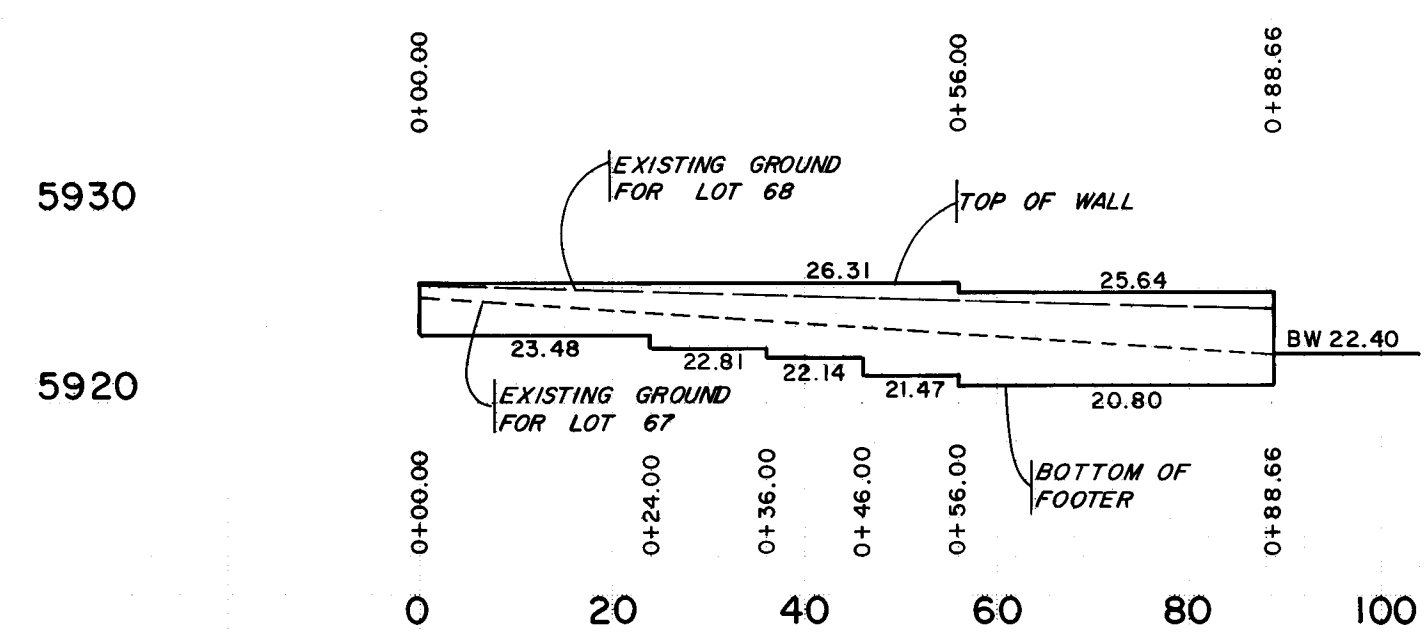
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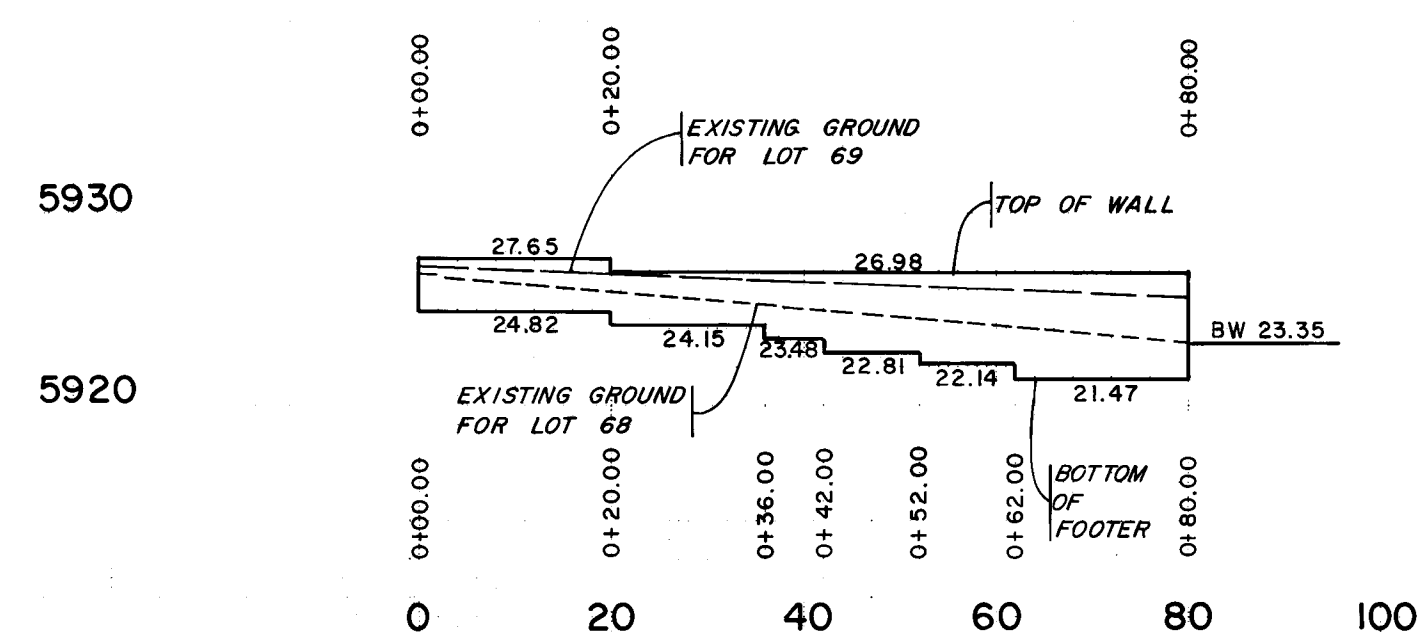
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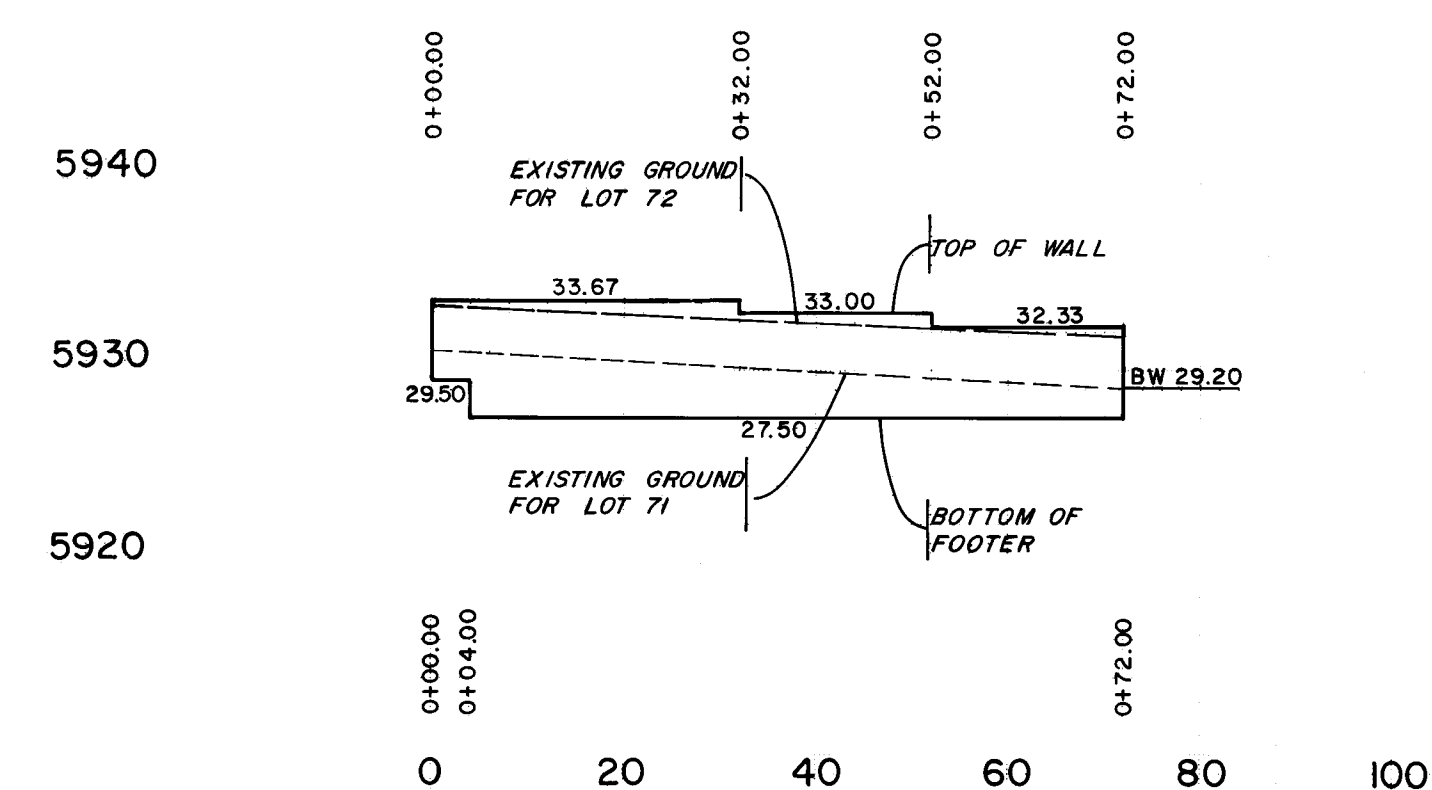
LOT 66/67



LOT 67/68



LOT 68/69



LOT 71/72

NOTE:
THE RETAINING WALLS FOR LOTS 52-56, 65-69, 71 & 72
WILL BE BUILT DURING HOUSING CONSTRUCTION AND
WAS NOT BUILT UNDER PHASE II.

2	4	5	8	7	9	1	4	9	0
26	37	49	91	14	90				

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.