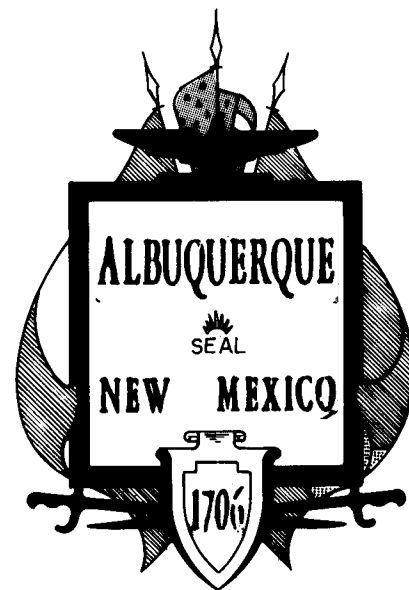


CITY OF ALBUQUERQUE
NEW MEXICO



ACADEMY ACRES UNIT 16
SUBDIVISION

INDEX TO DRAWINGS

SHEET NO.	TITLE
1	TITLE AND INDEX TO DRAWINGS
2	PLAT
3	PAVING PLAN AND PROFILE, STA 10+00 TO STA 17+00
4	PAVING PLAN AND PROFILE, STA 17+00 TO STA 28+00
5	PAVING PLAN AND PROFILE, STA 28+00 TO STA E.O.P.
6	UTILITY LAYOUT AND TRAFFIC CONTROL PLAN
7	WATER AND SANITARY SEWER PLAN AND PROFILE, STA 10+00 TO STA 17+00
8	WATER AND SANITARY SEWER PLAN AND PROFILE, STA 17+00 TO STA 28+00
9	WATER AND SANITARY SEWER PLAN AND PROFILE, STA 28+00 TO E.O.P.
10	MISCELLANEOUS DETAILS
11	GRADING PLAN, STA 10+00 TO STA 22+00
12	GRADING PLAN, STA 22+00 TO E.O.P.

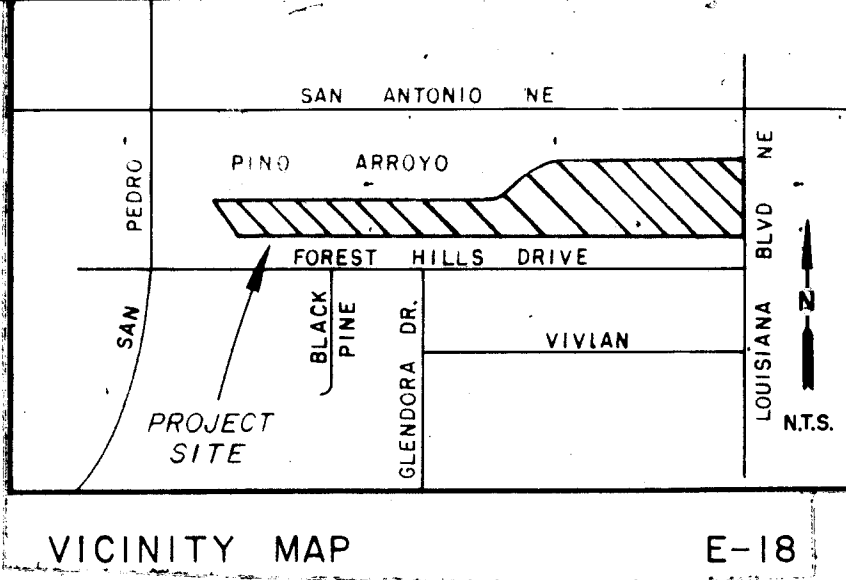
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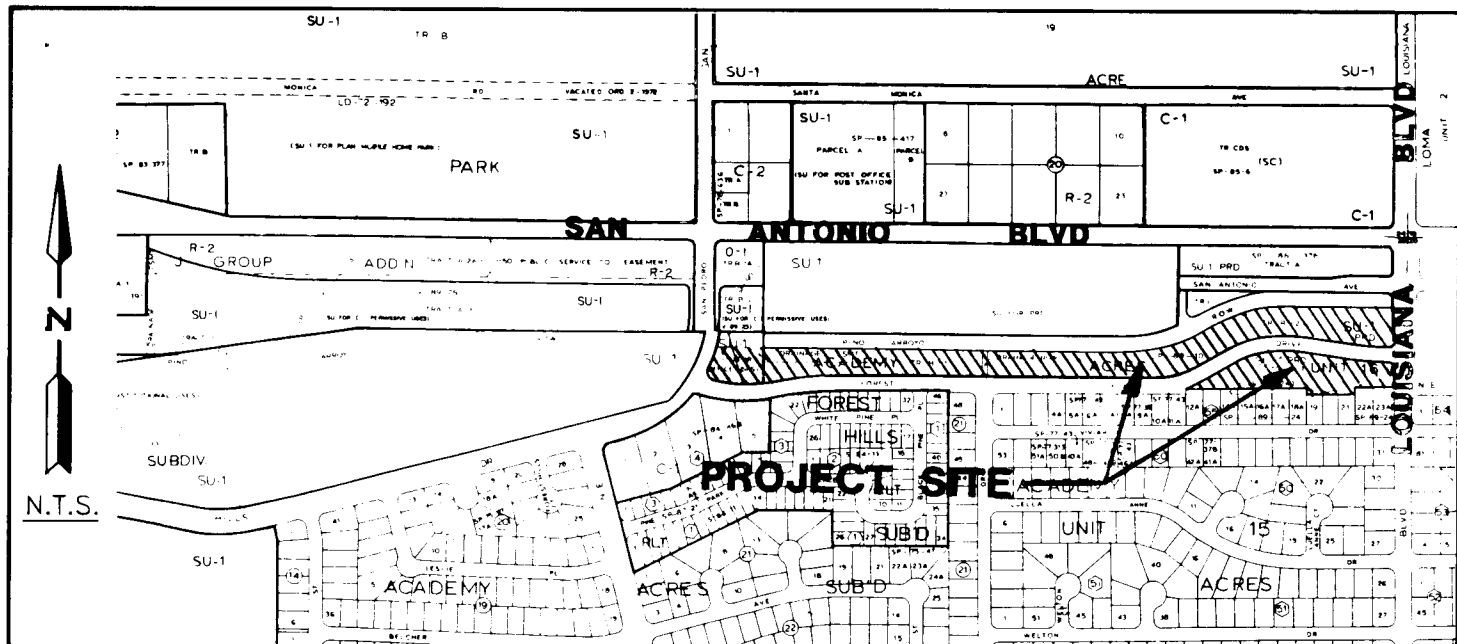
APPROVAL OF AS BUILT DRAWINGS
DATE 5-14-93

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

PLANS PREPARED UNDER DIRECTION OF:	Santiago Romero Jr. and Associates Inc. ENGINEERING - SURVEYING 6139 EDITH BOULEVARD, N.E. ALBUQUERQUE, NEW MEXICO 87107 (505) 345-2733	APPROVED FOR CONSTRUCTION CITY ENGINEER
DATE 7/15/92	PROJECT NO. 3260	SHEET 1 OF 12



- GENERAL NOTES**
- NOTICE TO CONTRACTORS**
- 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 CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, LATEST REVISION.
 - TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SERVICE, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
 - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
 - 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 OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
 - ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
 - ☒ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
 - ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
 - ☐ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.



VICINITY MAP
ZONE ATLAS "E-18"

REFERENCE DOCUMENTS:

1. PLAT OF TRACT B-1, B-2, AND B-3; ACADEMY ACRES UNIT 16, FILED JANUARY 19, 1989; VOL. C-38, FOLIO 82.
2. PLAT OF LOTS 12-A, 13-A, 14-A, & 15-A, BLK. 55; ACADEMY ACRES, UNIT 15, FILED JANUARY 19, 1989; VOL. C-38, FOLIO 83.
3. PLAT OF LOTS 16-A, 17-A, 18-A, 22-A, & 23-A, BLK. 55; ACADEMY ACRES, UNIT 15, FILED JANUARY 19, 1989; VOL. C-38, FOLIO 84.
4. BULK LAND DIVISION PLAT FOR ACADEMY ACRES UNIT 16 FILED NOVEMBER 6, 1986; VOL. C-32, FOLIO 8 & 9.

GENERAL NOTES

1. BOUNDARY IS TIED TO NEW MEXICO STATE PLANE COORDINATE SYSTEM AS SHOWN.
2. BASIS OF BEARINGS ARE NAD83 GRID BEARING.
3. DISTANCES SHOWN ARE GROUND DISTANCES.
4. FOUND PROPERTY CORNERS ARE SHOWN WITH A #5 IRON REBAR WITH A YELLOW PLASTIC CAP STAMPED "P.S. 7924".
5. SET PROPERTY CORNERS SHOWN WITH A #5 IRON REBAR WITH A YELLOW PLASTIC CAP STAMPED "P.S. 7924".
6. BEARINGS SHOWN IN PARENTHESES ARE RECORDED BEARINGS. ALL OTHER BEARINGS SHOWN ARE FIELD BEARINGS.

PUBLIC UTILITY EASEMENTS

PUBLIC UTILITY EASEMENTS SHOWN ON THIS PLAT ARE TEN (10) FEET WIDE AND ARE FOR THE COMMON AND JOINT USE OF:

1. PUBLIC SERVICE COMPANY OF NEW MEXICO FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF OVERHEAD AND UNDERGROUND ELECTRICAL LINES, TRANSFORMERS, POLES AND ANY OTHER EQUIPMENT, FIXTURES, STRUCTURES AND RELATED FACILITIES REASONABLY NECESSARY TO PROVIDE ELECTRICAL SERVICE.
2. THE GAS COMPANY OF NEW MEXICO FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF NATURAL GAS LINES, VALVES AND OTHER EQUIPMENT, AND FACILITIES REASONABLY NECESSARY TO PROVIDE NATURAL GAS.
3. 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.
4. 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 (ABOVEGROUND 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 ELECTRICAL SAFETY CODE CAUSED BY CONSTRUCTION OR POOLS, DECKING, OR ANY STRUCTURES ADJACENT TO, WITHIN OR NEAR EASEMENTS SHOWN ON THIS PLAT.

BY APPROVING THIS DOCUMENT, THE UTILITY COMPANIES LISTED ABOVE DO NOT WAIVE OR RELEASE ANY EASEMENT RIGHTS WHICH MAY HAVE BEEN GRANTED BY PRIOR PLAT, REPLAT, OR DOCUMENT.

CERTIFICATION

I, SANTIAGO ROMERO JR., NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR NO. 7924, DO HEREBY CERTIFY THAT THE MAP AND SURVEY SHOWN HEREON WAS PREPARED BY ME OR UNDER MY SUPERVISION AND DIRECTION, AND THAT THE SAME IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS MAP MEETS THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS OF THE ALBUQUERQUE SUBDIVISION ORDINANCE. THE WORDS "CERTIFICATION" AND "CERTIFY" AS USED HEREIN ARE UNDERSTOOD TO BE AN EXPRESSION OF PROFESSIONAL OPINION BY THE SURVEYOR, BASED ON MY BEST KNOWLEDGE AND BELIEF, AS SUCH, NEITHER CONSTITUTES A GUARANTEE NOR A WARRANTY, EXPRESSED OR IMPLIED.

SANTIAGO ROMERO JR. N.M.P.S. NO. 7924
4/2/92 DATE



JOB NO. 92-1170
TALON LOG NO. 32060116580352

PURPOSE OF THIS PLAT

1. CREATE LOTS 1-52 & TRACT A, BLOCK 1; LOTS 1-15, BLOCK 2.
2. VACATE 10' WIDE TEMPORARY GRAZING AND DRAINAGE EASEMENT.

LEGAL DESCRIPTION

A CERTAIN TRACT OF LAND LYING AND BEING SITUATE WITHIN THE ELENA GALLEGOS GRANT AND WITHIN PROJECTED SECTION 25, T11N, R3E, NMPM, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, BEING AND COMPRISING TRACTS B-1, B-2 & B-3 OF ACADEMY ACRES, UNIT 16, THE SAME AS SHOWN ON THE PLAT OF TRACTS B-1, B-2 & B-3, ACADEMY ACRES, UNIT 16, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON JANUARY 19, 1989 (C38-82), BEING MORE PARTICULARLY BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF THE TRACT HEREIN DESCRIBED, SAID POINT BEING ON THE PRESENT (1992) WESTERLY RIGHT-OF-WAY LINE OF LOUISIANA BOULEVARD NE AND THE SOUTHERLY RIGHT-OF-WAY LINE OF THE PINO ARROYO, POINT OF BEGINNING BEARS S 73°35'38" W, A DISTANCE OF 2,372.94 FEET FROM A CITY OF ALBUQUERQUE SURVEY CONTROL MONUMENT, IDENTIFIED AS "10 D18", HAVING NEW MEXICO STATE PLANE COORDINATE VALUES OF X = 404,876.27, Y = 1,515,687.39, (CENTRAL ZONE);

THENCE, S 72°55' E, ALONG THE SAID WESTERLY RIGHT-OF-WAY LINE OF LOUISIANA BOULEVARD, AND THE EASTERLY PROPERTY LINE OF THE TRACT HEREIN DESCRIBED, A DISTANCE OF 304.39 FEET TO THE SOUTHEAST CORNER OF SAID TRACT;

THENCE, N 89°34'21" W, A DISTANCE OF 145.00 FEET TO A POINT;

THENCE, S 71°19' W, A DISTANCE OF 26.00 FEET TO A POINT;

THENCE, N 89°34'21" W, A DISTANCE OF 195.00 FEET TO A POINT;

THENCE, N 71°19' E, A DISTANCE OF 26.00 FEET TO A POINT;

THENCE, N 89°34'21" W, A DISTANCE OF 456.35 FEET TO A POINT OF CURVATURE;

THENCE, SOUTHWESTERLY ALONG THE ARC OF A CURVE HAVING A RADIUS OF 318.54 FEET, A CENTRAL ANGLE OF 17°03'14", A DISTANCE OF 6.01 FEET TO THE RIGHT, AND A LONG CHORD WHICH BEARS S 73°08'39" W, A DISTANCE OF 66.89 FEET TO A POINT;

THENCE, S 71°19' W, A DISTANCE OF 6.12 FEET TO A POINT;

THENCE, N 89°34'21" W, A DISTANCE OF 62.19 FEET TO A POINT;

THENCE, N 72°55' E, A DISTANCE OF 52.00 FEET TO A POINT;

THENCE, N 89°34'21" W, A DISTANCE OF 1,222.67 FEET TO A POINT OF CURVATURE;

THENCE, SOUTHWESTERLY ALONG THE ARC OF A CURVE HAVING A RADIUS OF 919.36 FEET, A CENTRAL ANGLE OF 13°24'08", A DISTANCE OF 215.05 FEET TO THE LEFT, AND A LONG CHORD WHICH BEARS S 83°43'35" W, A DISTANCE OF 214.56 FEET TO A POINT OF REVERSE CURVATURE;

THENCE, SOUTHWESTERLY ALONG THE ARC OF A CURVE HAVING A RADIUS OF 545.00 FEET, A CENTRAL ANGLE OF 12°50'54", A DISTANCE OF 122.21 FEET TO THE RIGHT, AND A LONG CHORD WHICH BEARS S 83°26'57" W, A DISTANCE OF 121.96 FEET TO A POINT;

THENCE, N 14°55'17" W, A DISTANCE OF 145.50 FEET TO A POINT;

THENCE, S 89°35'25" E, A DISTANCE OF 1,465.20 FEET TO A POINT OF CURVATURE;

THENCE, NORTHEASTERLY ALONG THE ARC OF A CURVE HAVING A RADIUS OF 872.50 FEET, A CENTRAL ANGLE OF 7°31'54", A DISTANCE OF 114.69 FEET TO THE LEFT, AND A LONG CHORD WHICH BEARS N 86°38'38" E, A DISTANCE OF 114.61 FEET TO A POINT OF CURVATURE;

THENCE, NORTHEASTERLY ALONG THE ARC OF A CURVE HAVING A RADIUS OF 447.50 FEET, A CENTRAL ANGLE OF 14°54'04", A DISTANCE OF 116.36 FEET TO THE LEFT, AND A LONG CHORD WHICH BEARS N 75°25'39" E, A DISTANCE OF 116.06 FEET TO A POINT OF CURVATURE;

THENCE, NORTHEASTERLY ALONG THE ARC OF A CURVE HAVING A RADIUS OF 872.50 FEET, A CENTRAL ANGLE OF 7°32'58", A DISTANCE OF 114.96 FEET TO THE LEFT, AND A LONG CHORD WHICH BEARS N 84°12'08" E, A DISTANCE OF 114.88 FEET TO A POINT OF TANGENCY;

THENCE, N 60°25'39" E, A DISTANCE OF 16.44 FEET TO A POINT OF CURVATURE;

THENCE, NORTHEASTERLY ALONG THE ARC OF A CURVE HAVING A RADIUS OF 827.50 FEET, A CENTRAL ANGLE OF 7°32'58", A DISTANCE OF 109.03 FEET TO THE RIGHT, AND A LONG CHORD WHICH BEARS N 84°12'08" E, A DISTANCE OF 108.95 FEET TO A POINT OF CURVATURE;

THENCE, NORTHEASTERLY ALONG THE ARC OF A CURVE HAVING A RADIUS OF 402.50 FEET, A CENTRAL ANGLE OF 14°53'08", A DISTANCE OF 104.57 FEET TO THE RIGHT, AND A LONG CHORD WHICH BEARS N 75°25'10" E, A DISTANCE OF 104.27 FEET TO A POINT OF CURVATURE;

THENCE, NORTHEASTERLY ALONG THE ARC OF A CURVE HAVING A RADIUS OF 827.50 FEET, A CENTRAL ANGLE OF 7°32'58", A DISTANCE OF 109.03 FEET TO THE RIGHT, AND A LONG CHORD WHICH BEARS N 86°38'12" E, A DISTANCE OF 108.95 FEET TO A POINT OF TANGENCY;

THENCE, S 89°35'19" E, A DISTANCE OF 46.13 FEET TO THE POINT OF BEGINNING.

THE TRACT HEREIN DESCRIBED CONTAINS 412,641.00 SQUARE FEET (3.467 ACRES), MORE OR LESS.

THIS IS TO CERTIFY THAT TAXES ARE CURRENT AND PAID BY THE

PROPERTY OWNER OF RECORD:

BERNALILLO COUNTY TREASURER'S OFFICE.

REPLAT OF TRACTS B-1, B-2 & B-3
ACADEMY ACRES, UNIT 16

WITHIN THE
ELENA GALLEGOS GRANT
WITHIN PROJECTED SECTION 25, T11N, R3E, NMPM
ALBUQUERQUE, NEW MEXICO
JUNE 1992

APPROVED AND ACCEPTED

PLANNING DIRECTOR, CITY OF ALBUQUERQUE, NM DATE

CITY ENGINEER, CITY OF ALBUQUERQUE, NM DATE

AMAFCA DATE 7-27-92

TRAFFIC ENGINEER, CITY OF ALBUQUERQUE, NM DATE 7-7-92

WATER UTILITIES DEPT., CITY OF ALBUQUERQUE, NM DATE

PARKS & RECREATION DEPT., CITY OF ALBUQUERQUE, NM DATE

CITY SURVEYOR, CITY OF ALBUQUERQUE, NM DATE 060992

PROPERTY MANAGEMENT, CITY OF ALBUQUERQUE, NM DATE

GAS COMPANY OF NEW MEXICO DATE 6-16-92

US WEST TELEPHONE DATE 6-16-92

PUBLIC SERVICE COMPANY OF NEW MEXICO DATE 6-16-92

JONES INTERCABLE DATE 6-9-92

FREE CONSENT STATEMENT

THE UNDERSIGNED OWNER(S) AND PROPRIETOR(S) OF THE PROPERTY DESCRIBED HEREON, DO HEREBY CONSENT TO THE REPLATING OF SAID PROPERTY AS SHOWN ON THIS PLAT, AND THE SAME IS WITH THEIR FREE CONSENT AND IN ACCORDANCE WITH THEIR DESIRES AND DO HEREBY REPRESENT THAT THEY ARE AUTHORIZED TO SO ACT.

OLIVER M. FALLS
JAMES A. PARKER
KENNETH E. JENSEN
JAMES A. BORLAND
JERRY C. KELLEY
HARLAN W. SEELEY
GEORGINA K. SEELEY

ACKNOWLEDGEMENT
STATE OF NEW MEXICO
COUNTY OF BERNALILLO

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 4th DAY OF June, 1992, BY OLIVER M. FALLS, JAMES A. PARKER, KENNETH E. JENSEN, JAMES A. BORLAND, JERRY C. KELLEY, HARLAN W. SEELEY, AND GEORGINA K. SEELEY.

My commission expires: April 17, 1998

OFFICIAL SEAL
Maxine Sisneros
NOTARY PUBLIC STATE OF NEW MEXICO
Notary Bond Filed with Secretary of State
My Commission Expires 4/17/95

My commission expires: April 17, 1998

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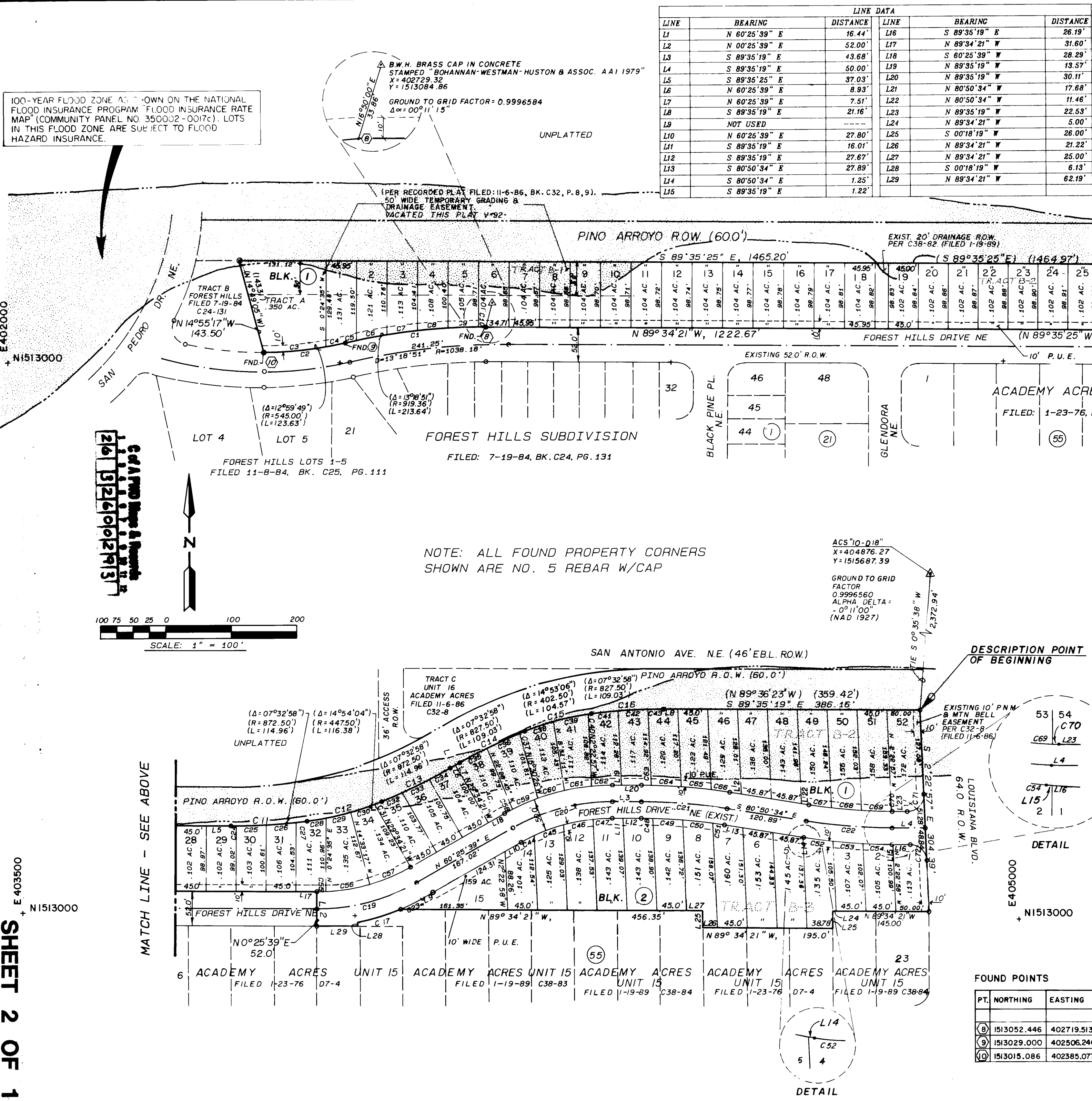
My commission expires: April 17, 1998

My commission expires: April 17, 1998

REPLAT OF TRACTS B-1, B-2 & B-3
ACADEMY ACRES, UNIT 16

WITHIN THE
ELENA GALLEGOS GRANT
WITHIN PROJECTED SECTION 25, T11N, R3E, NMPM
ALBUQUERQUE, NEW MEXICO
JUNE 1992

NOTE: CITY OF ALBUQUERQUE WATER AND SANITARY SEWER SERVICE TO TRACT A, LOTS 1-52 (BLOCK 1) AND LOTS 1-15 (BLOCK 2) MUST BE VERIFIED AND COORDINATED WITH THE PUBLIC WORKS DEPARTMENT, CITY OF ALBUQUERQUE.



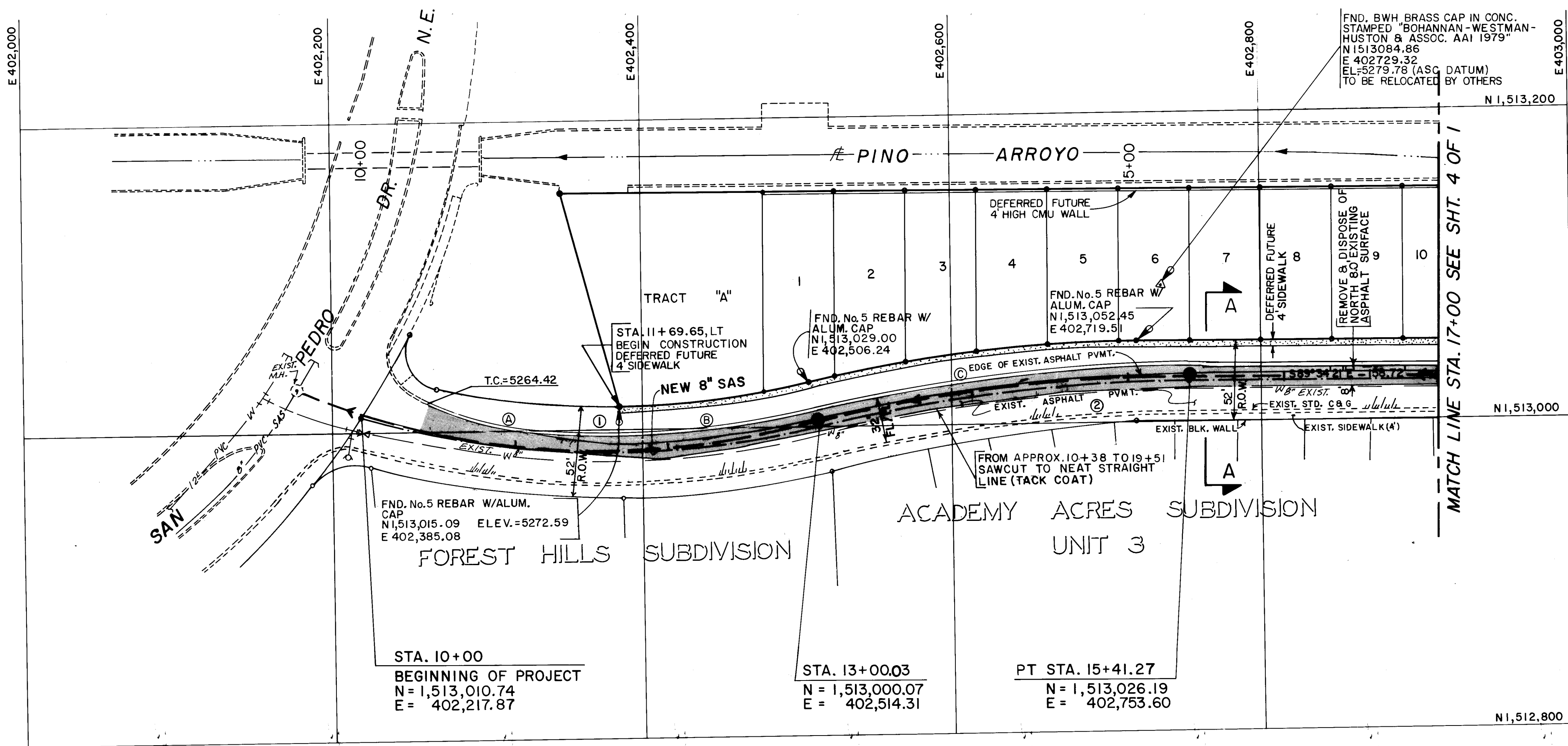
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NOTE: CITY OF ALBUQUERQUE WATER AND SANITARY SEWER SERVICE TO TRACT A, LOTS 1-52 (BLOCK 1) AND LOTS 1-15 (BLOCK 2) MUST BE VERIFIED AND COORDINATED WITH THE PUBLIC WORKS DEPARTMENT, CITY OF ALBUQUERQUE.

CURVE DATA

CURVE	ARC	DELTA	RADIUS	TAN LENGTH
C1	215.05	13°24'08"	545.00	61.36
C2	122.21	12°50'54"	545.00	29.39
C3	99.72	9°51'12"	545.00	46.96
C4	28.93	2°14'42"	545.00	14.25
C5	18.53	1°09'18"	519.36	3.27
C6	46.78	2°54'55"	519.36	23.39
C7	46.13	2°51'10"	519.36	23.00
C8	46.13	2°52'29"	519.36	23.07
C9	45.94	2°51'07"	519.36	23.00
C10	114.69	7°31'54"	872.50	57.43
C11	114.69	7°31'54"	872.50	57.43
C12	116.36	14°54'04"	447.50	59.52
C13	114.96	7°32'58"	872.50	57.56
C14	109.03	7°32'58"	872.50	54.60
C15	104.57	14°53'08"	402.50	52.56
C16	109.03	7°32'58"	872.50	54.60
C17	67.01	12°03'14"	318.54	33.63
C18	NOT USED			
C19	157.08	30°00'00"	300.00	60.39
C20	157.08	29°59'02"	300.00	60.34
C21	129.75	8°44'45"	850.00	65.00
C22	129.75	8°44'45"	850.00	65.00
C23	37.19	6°41'23"	318.54	18.62
C24	7.87	0°31'25"	872.50	3.99
C25	45.03	2°57'26"	872.50	22.92
C26	45.17	2°58'00"	872.50	22.99
C27	16.51	1°05'09"	872.50	8.25
C28	29.01	3°42'50"	447.50	14.51
C29	37.91	4°51'14"	447.50	18.97
C30	37.91	4°51'14"	447.50	18.97
C31	11.36	1°28'47"	447.50	6.73
C32	39.78	2°13'06"	872.50	16.89
C33	45.11	2°57'44"	872.50	22.56
C34	36.08	2°22'08"	872.50	18.04
C35	46.57	3°13'28"	872.50	23.29
C36	54.08	3°44'40"	872.50	27.05
C37	45.14	2°57'12"	872.50	22.56
C38	45.70	6°30'19"	402.50	22.87
C39	54.08	7°41'55"	402.50	27.08
C40	44.78	3°08'15"	872.50	22.77
C41	40.25	2°47'14"	872.50	20.13
C42	44.99	3°06'45"	872.50	22.48
C43	13.40	2°43'43"	872.50	6.70
C44	22.29	4°38'41"	872.50	11.15
C45	47.22	6°50'16"	872.50	23.67
C46	13.40	2°43'43"	872.50	6.70
C47	28.97	6°02'05"	872.50	14.50
C48	17.34	1°12'16"	872.50	8.67
C49	13.40	2°43'43"	872.50	6.70
C50	45.48	3°09'30"	872.50	22.74
C51	17.99	1°14'47"	872.50	8.97
C52	13.40	2°43'43"	872.50	6.70
C53	45.30	2°57'59"	872.50	22.66
C54	43.86	2°55'17"	872.50	21.93
C55	13.40	2°43'43"	872.50	6.70
C56	67.00	13°38'19"	281.46	33.66
C57	66.97	13°37'57"	281.46	33.64
C58	13.40	2°43'43"	872.50	6.70
C59	41.74	7°21'31"	325.00	20.90



CENTERLINE CURVE DATA

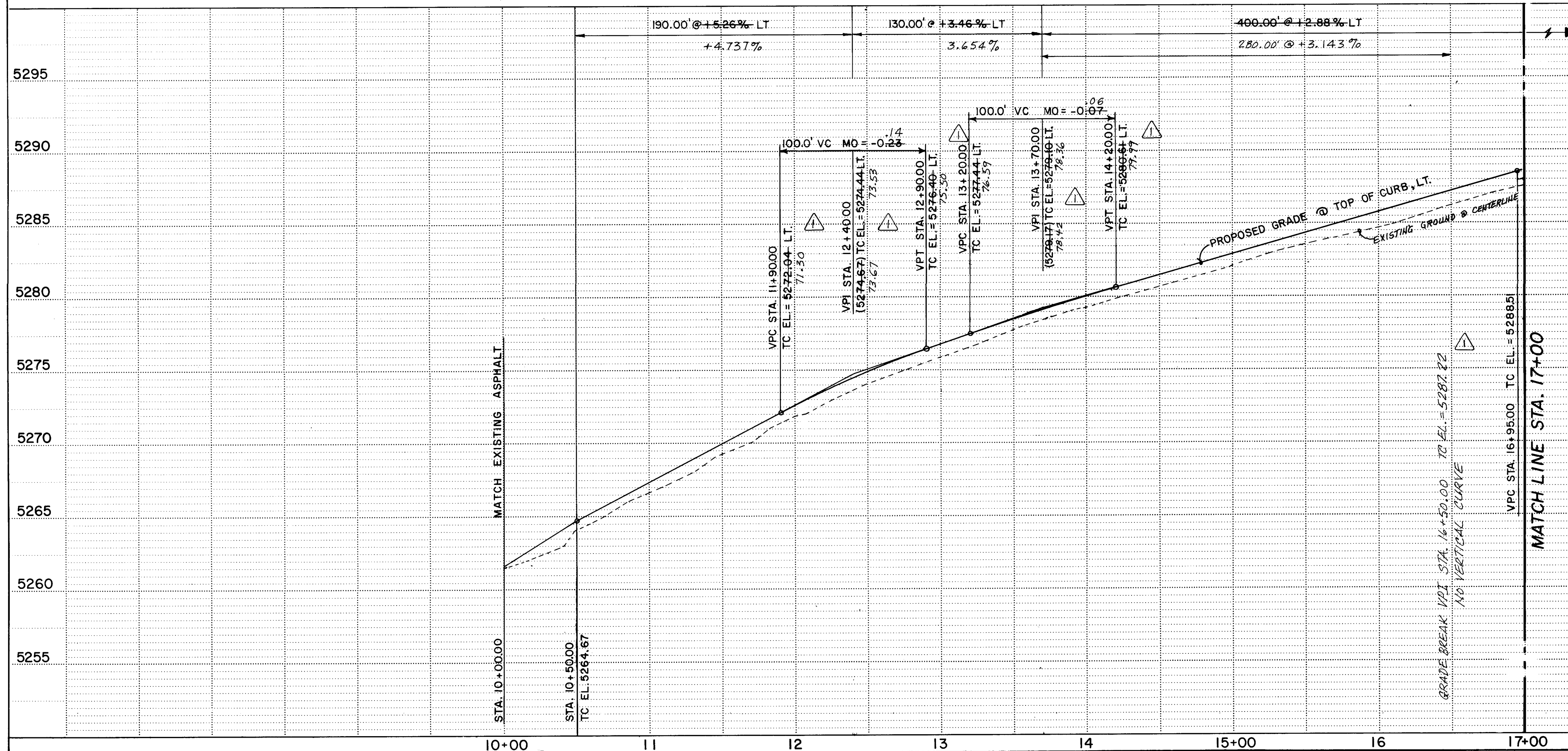
- $\Delta = 29^\circ 53' 46''$
 $R = 375.00'$
 $L = 300.03'$
 $T = 153.51'$
- $\Delta = 13^\circ 18' 51''$
 $R = 1038.18'$
 $L = 241.25'$
 $T = 121.17'$

CURB CURVE DATA

- P.C. STA. 10+41.30, 19.56' LT.
P.C.C. STA. 11+10.55, 12.08' LT.
 $\Delta = 19^\circ 33' 18''$
 $R = 199.38'$
 $L = 58.05'$
 $T = 34.36'$
- P.C. STA. 11+10.55, 12.08' LT.
P.R.C. STA. 13+00.03, 12.08' LT.
 $\Delta = 18^\circ 52' 48''$
 $R = 562.92'$
 $L = 185.49'$
 $T = 93.59'$
- P.R.C. STA. 13+00.03, 12.08' LT.
P.T. STA. 15+41.27, 12.08' LT.
 $\Delta = 13^\circ 18' 51''$
 $R = 1050.26'$
 $L = 244.06'$
 $T = 122.58'$

NOTES:

- SEE SHEET 10 OF 12 FOR STANDARD PAVEMENT SECTION.
- SEE SHEET 6 OF 12 FOR TRAFFIC CONTROL PLAN.
- ALL RETURN RADII ARE 30' UNLESS OTHERWISE NOTED.
- ALL STATIONING IS CENTERLINE UNLESS OTHERWISE NOTED.
- SEE SHEET 10 OF 12 FOR SECTION A-A
SCALE: 1" = 50' HORIZ.; 1" = 5' VERT.



LEGEND

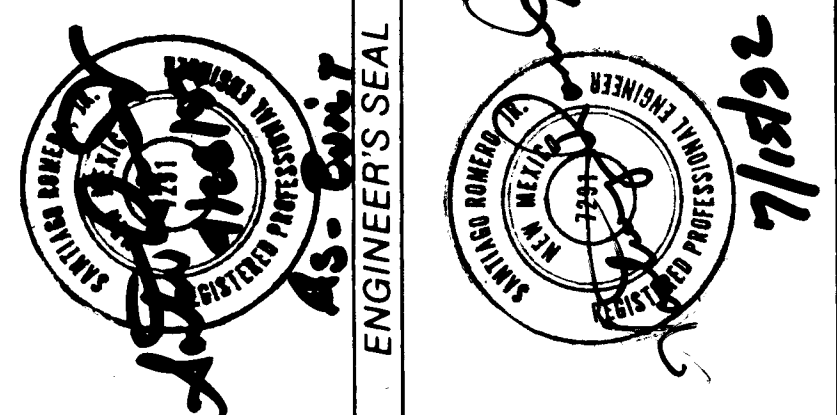
- EXISTING CURB, GUTTER & SIDEWALK
- PROPOSED CURB & GUTTER
- PROPOSED SIDEWALK
- PROPOSED RESIDENTIAL PAVEMENT
- EXISTING SAS MANHOLE
- PROPOSED SAS MANHOLE
- EXISTING WATER VALVE
- PROPOSED WATER VALVE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- CROWN FLATTENING AS PER C.O.A. STD. DRWG. NO. 2401

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

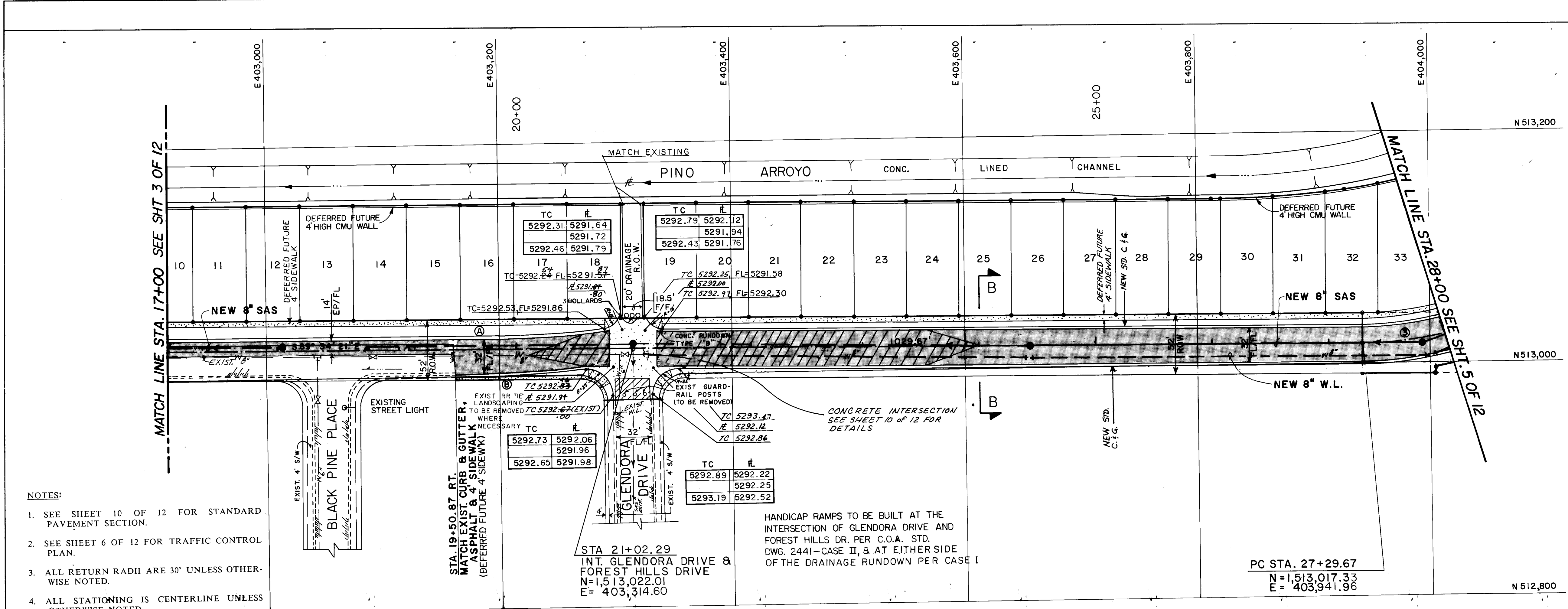
TITLE: PAVING PLAN AND PROFILE
STA. 10+00 TO STA. 17+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	Rodriguez	8-24-92	WATER	Sheets	8/17/92
TRANSPORTATION	Rodriguez	8-24-92	WASTE WATER	Sheets	8/17/92
HYDROLOGY	NA	8-19-92			

PROJECT NO.	3260	MAP NO.	E-18	SHEET	3 OF 12
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NO.	DATE	REVISIONS
1	8/17/92	DESIGN
2	8/17/92	DESIGN
3	8/17/92	DESIGN
4	8/17/92	DESIGN
5	8/17/92	DESIGN
6	8/17/92	DESIGN
7	8/17/92	DESIGN
8	8/17/92	DESIGN
9	8/17/92	DESIGN
10	8/17/92	DESIGN
11	8/17/92	DESIGN
12	8/17/92	DESIGN



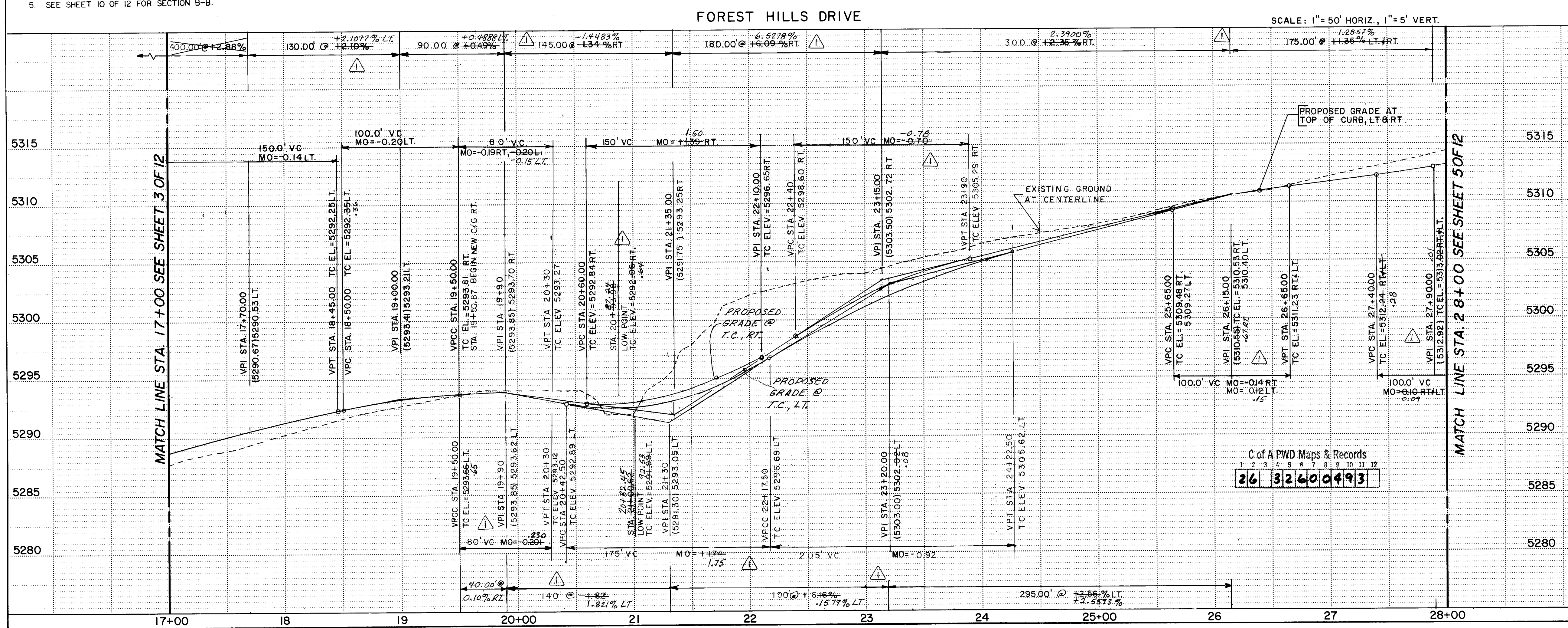
- NOTES:
- SEE SHEET 10 OF 12 FOR STANDARD PAVEMENT SECTION.
 - SEE SHEET 6 OF 12 FOR TRAFFIC CONTROL PLAN.
 - ALL RETURN RADII ARE 30' UNLESS OTHERWISE NOTED.
 - ALL STATIONING IS CENTERLINE UNLESS OTHERWISE NOTED.
 - SEE SHEET 10 OF 12 FOR SECTION B-B.

CENTERLINE CURVE DATA

③ $\Delta = 13^\circ 25' 55''$
 $R = 300.00'$
 $L = 70.33'$
 $T = 35.33'$

CURB DEFLECTION DATA

- ④ STA. 19+50.87, 8.5' LT.-BEGIN DEFLECTION
* STA. 20+80.19, 16.0' LT.-END DEFLECTION
- ⑤ STA. 19+50.87, 23.49 RT.-BEGIN DEFLECTION
* STA. 20+60.46, 16.02 RT.-END DEFLECTION
- * SEE SHEET 10 OF 12



LEGEND

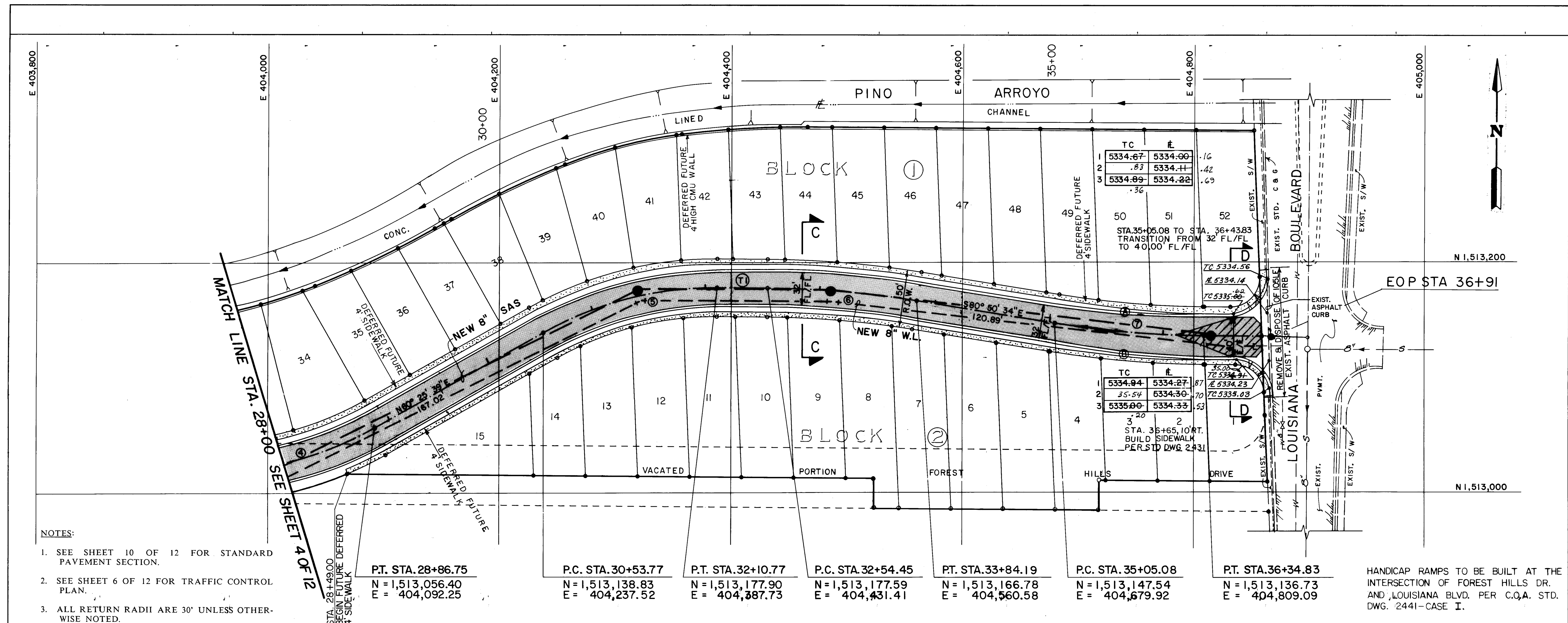
- EXISTING CURB, GUTTER & SIDEWALK
- PROPOSED CURB & GUTTER
- PROPOSED SIDEWALK
- PROPOSED RESIDENTIAL PAVEMENT
- EXISTING SAS MANHOLE
- PROPOSED SAS MANHOLE
- EXISTING WATER VALVE
- PROPOSED WATER VALVE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- CROWN FLATTENING AS PER C.O.A. STD. DRWG. NO. 2401

CITY OF ALBUQUERQUE
ENGINEERING GROUP

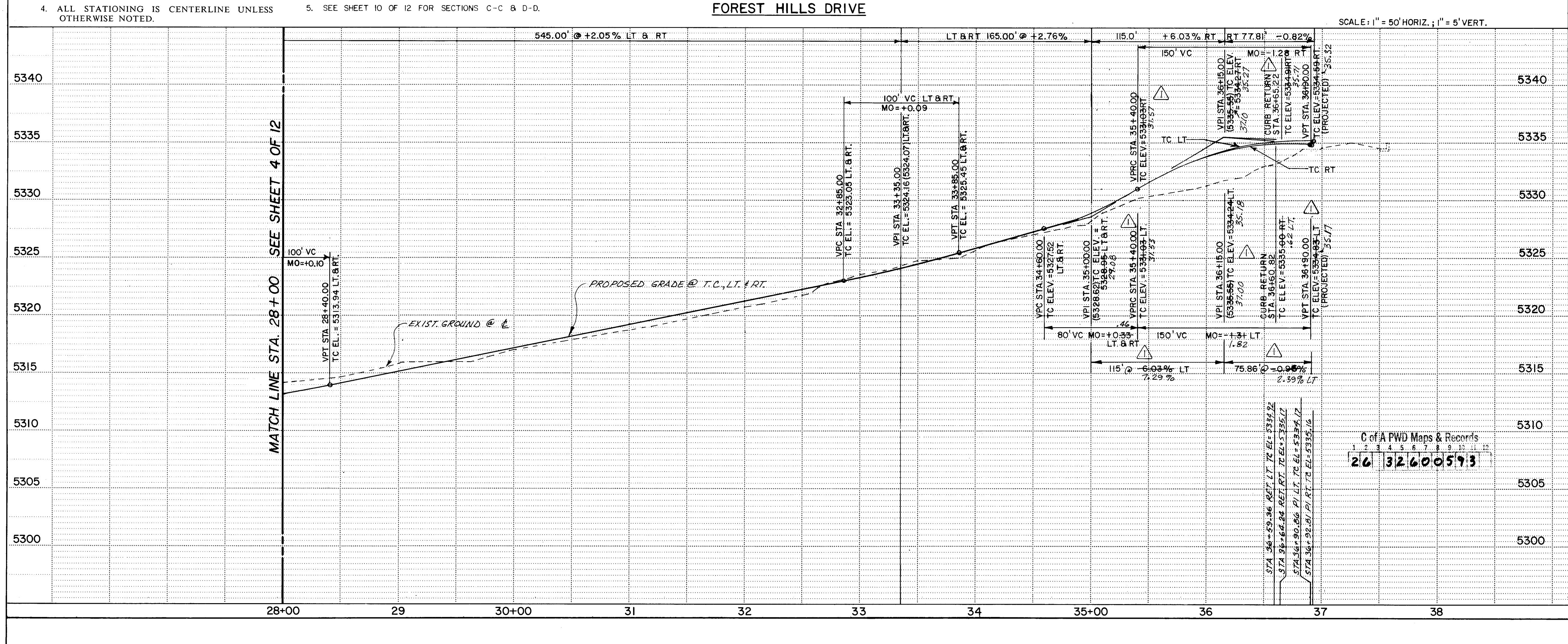
TITLE: PAVING PLAN AND PROFILE
STA. 17+00 TO STA. 28+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	Royce	8-24-92	WATER	GP	8/24/92
TRANSPORTATION	GP	8-24-92	WASTE WATER	GP	8/24/92
HYDROLOGY	GP	8-17-92			

PROJECT NO. 3260 MAP NO. E-18 SHEET 4 OF 12



CENTERLINE TANGENT DATA	
①	S 89° 35' 19" L = 43.68'
CENTERLINE CURVE DATA	
②	Δ = 16° 34' 05" R = 300.00' L = 86.75' T = 43.68'
③	Δ = 29° 59' 02" R = 300.00' L = 157.00' T = 80.34'
④	Δ = 08° 44' 45" R = 850.00' L = 129.75' T = 65.00'
⑤	Δ = 08° 44' 45" R = 850.00' L = 129.75' T = 65.00'
CURB TRANSITION CURVE DATA	
⑥	P.C. STA. 35+04.92, 16.00' LT. P.C.C. STA. 36+63.23, 20.10' LT. Δ = 13° 20' 42" R = 669.00' L = 155.82' T = 78.26'
⑦	P.C. STA. 35+07.16, 16.00' RT. P.C.C. STA. 36+65.77, 20.01' RT. Δ = 07° 41' 54" R = 1,200.00' L = 161.23' T = 80.74'



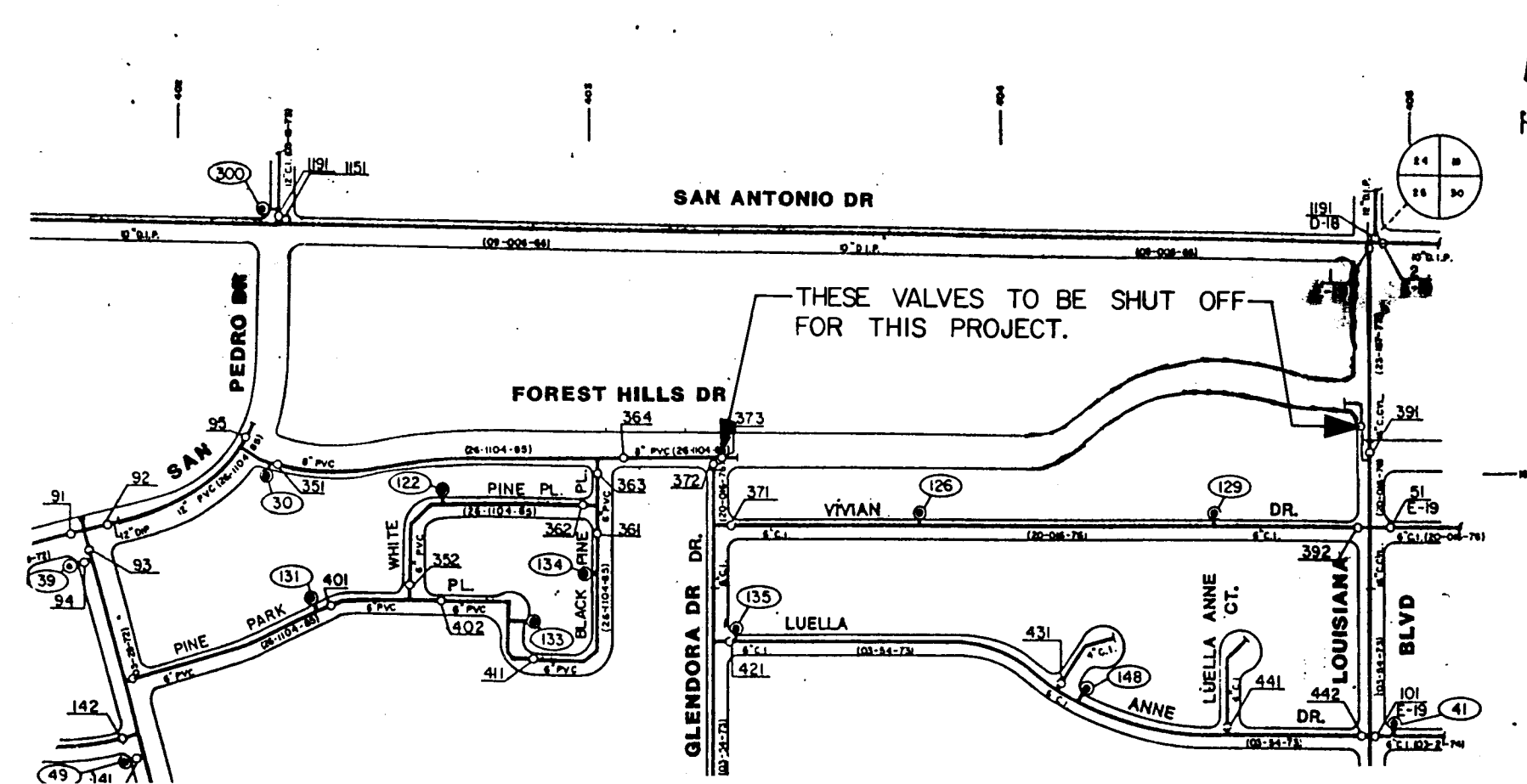
ENGINEER'S SEAL		REVISIONS		DESIGN	
NO.	DATE	NO.	DATE	NO.	DATE
1	4/93	2	4/93	3	4/93
DESIGNED BY K.L.S.		DATE 1/88		DATE 1/88	
DRAWN BY P.A. & M.C.		DATE 1/88		DATE 1/88	
CHECKED BY T.A.R.		DATE 1/88		DATE 1/88	

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PAVING PLAN AND PROFILE
STA. 28+00 TO E.O.P.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	Randy Drea	8-24-92	WATER	G. P. Reddy	8/17/92
TRANSPORTATION	K. J. Davis	8-20-92	WASTE WATER	G. P. Reddy	8/17/92
HYDROLOGY	NA	8-19-92			

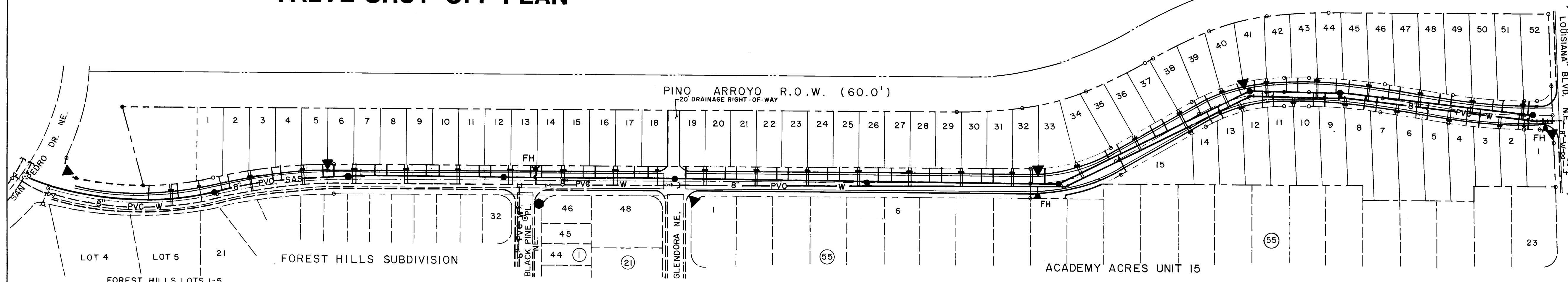
PROJECT NO. 3260 MAP NO. E-18 SHEET 5 OF 12



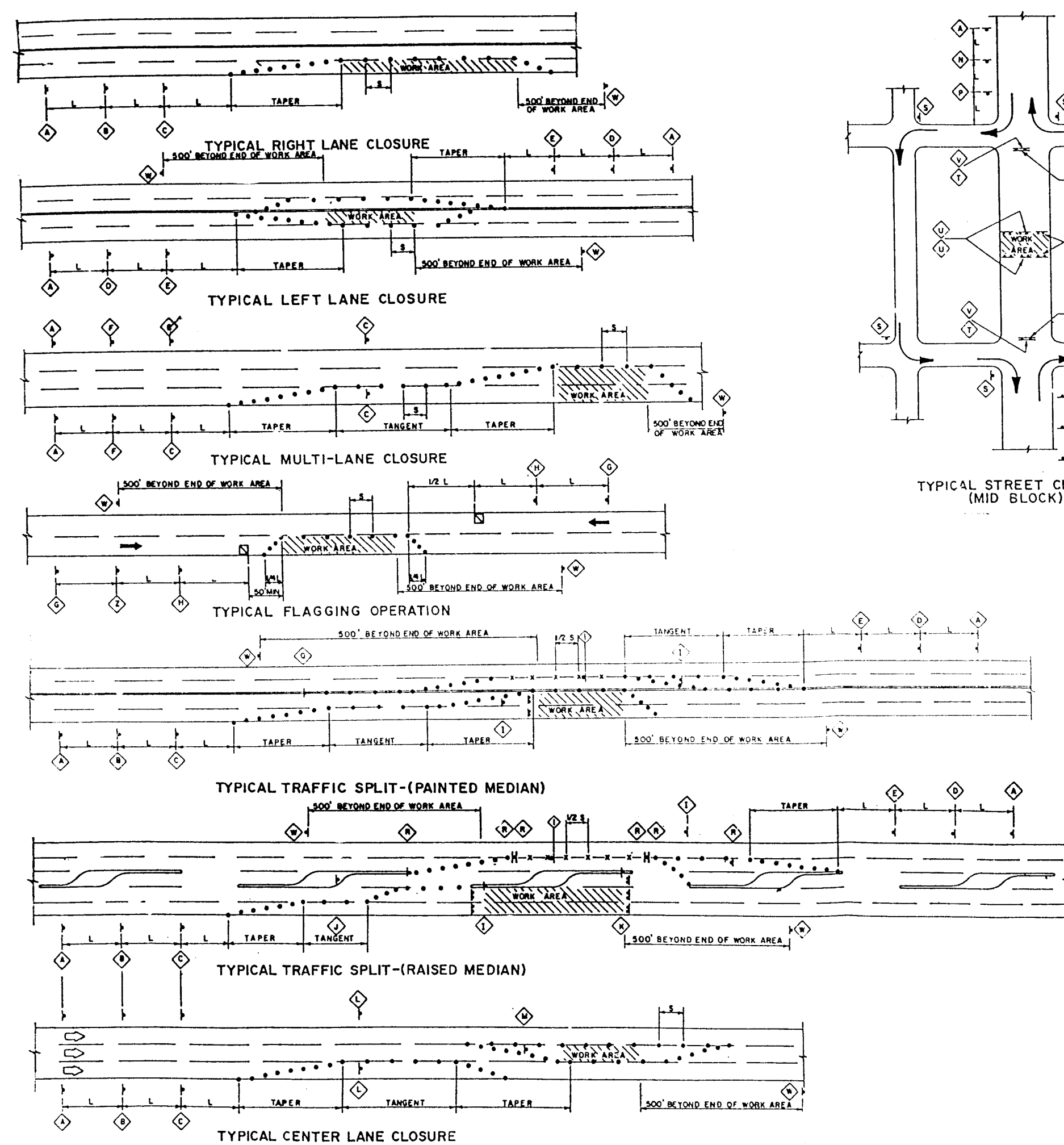
VALVE SHUT-OFF PLAN

NOTE:
THE CONTRACTOR IS TO CONTACT WATER SYSTEMS DIVISION, 857-8200, THREE (3) WORKING DAYS PRIOR TO CONNECTION TO EXISTING WATERLINES. VALVES MAY ONLY BE OPERATED BY WATER SYSTEMS PERSONNEL.

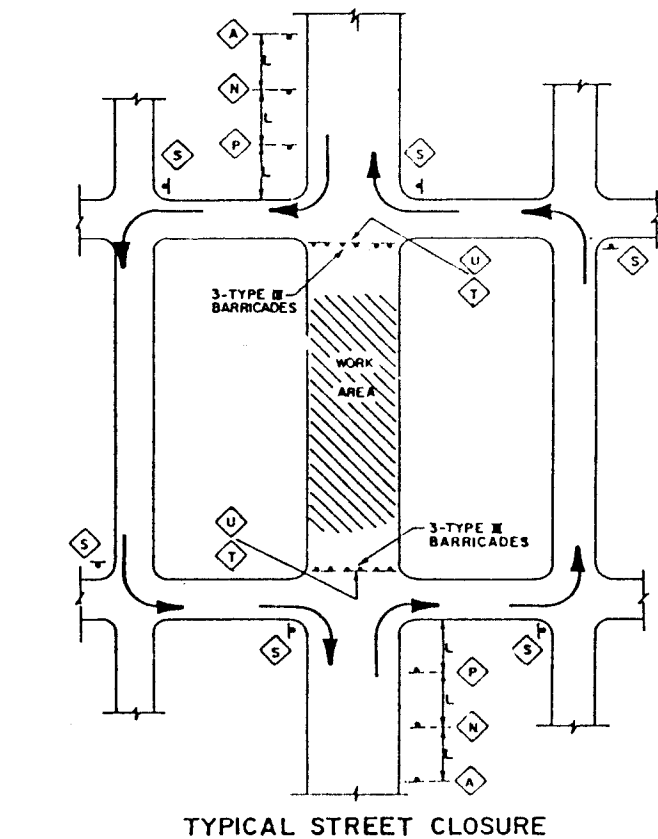
SCALE : 1" = 100'



UTILITY PLAN

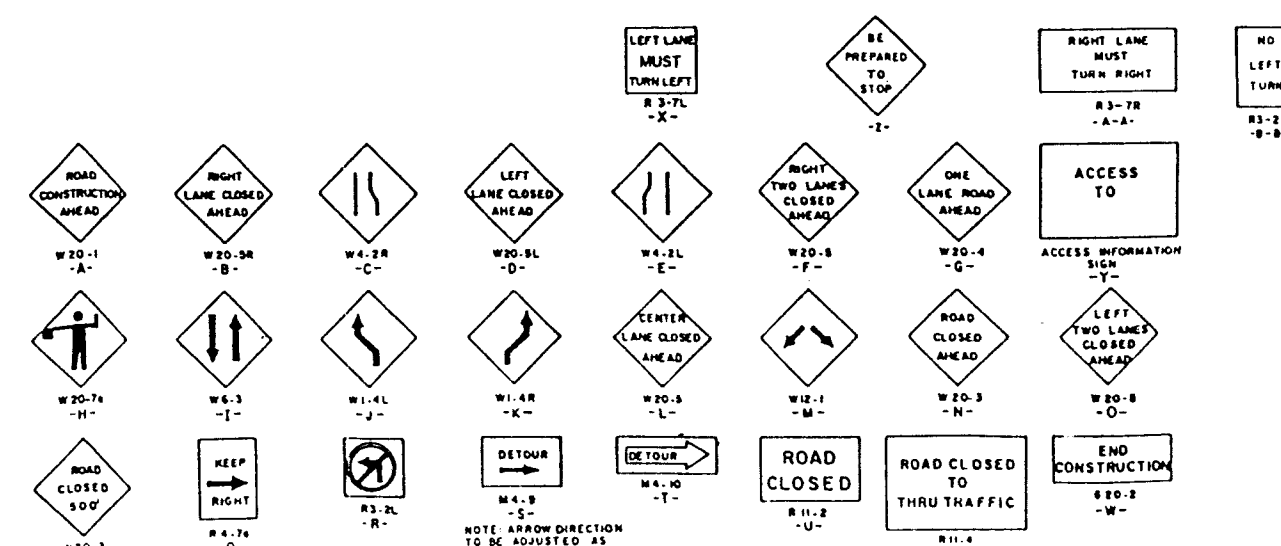


TRAFFIC CONTROL PLAN (NOT TO SCALE)



TAPER REQUIREMENTS					
SPEED LIMIT (MPH)	10' LANE	15' LANE	20' LANE	25' LANE	30' LANE
25	104	115	125	25	6
30	150	165	185	30	7
35	204	225	245	35	8
40	267	295	320	40	9
45	450	495	540	45	13
50	500	550	600	50	13
55	550	605	660	55	13

WORK AREA
TRAFFIC SIGN & QUANTITY (SEE THIS SHEET FOR DESIGNATION)
BARRICADE - TYPE I, TYPE II, OR BARNEL
BARRICADE - TYPE III
VERTICAL PANEL
WARNING SIGN
DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
FLAGMAN POSITION
SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
TAPER LENGTH - SEE CHART AT LEFT
TAPER LENGTH - IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET

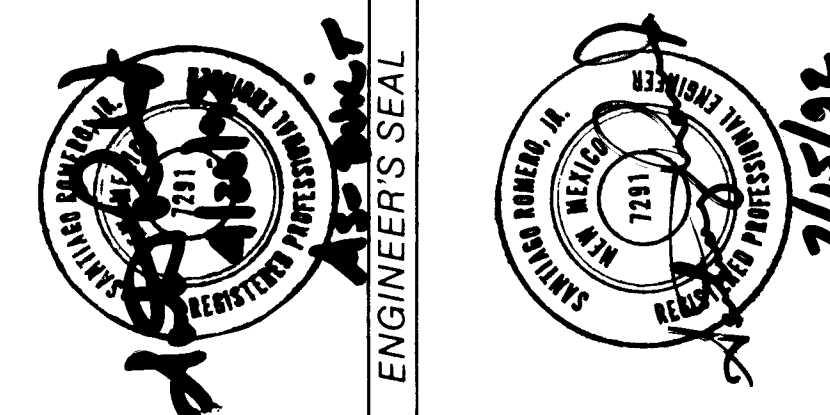


GENERAL NOTE: TRAFFIC CONTROL

- CONTRACTOR SHALL ADHERE TO SECTION 19 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR CONSTRUCTION, 1986.
- CONTRACTOR MUST MAINTAIN ACCESS TO ALL RESIDENTS AT ALL TIMES.
- CONTRACTOR SHALL NOT USE ANY ROADWAY AS A STORAGE FACILITY FOR EQUIPMENT OR MATERIAL.
- CONTRACTOR SHALL OCCUPY ONLY ONE LANE OF LOUISIANA FOR NO MORE THAN 3 WORKING DAYS. CONTRACTOR SHALL OCCUPY ONLY ONE LANE OF SAN PEDRO FOR NO MORE THAN 3 WORKING DAYS.
- AT THE INTERSECTIONS OF BLACK PINE AND FOREST HILLS DRIVE AND GLENDORA DRIVE AND FOREST HILLS DRIVE CONTRACTOR SHALL INSTALL A TYPE III BARRICADE WITH ROAD CLOSED TO THRU TRAFFIC FOR NORTH BOUND TRAFFIC.
- CONTRACTOR SHALL EMPLOY A TYPICAL STREET CLOSURE AS TRAFFIC CONTROL FOR FOREST HILLS DRIVE.
- CONTRACTOR SHALL PLACE ADVANCE WARNING SIGNS ON SAN PEDRO FOR NORTH AND SOUTH BOUND TRAFFIC TO READ "ROAD CONSTRUCTION AHEAD" AT A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET.

LEGEND

- EXISTING CURB, GUTTER & SIDEWALK
- PROPOSED CURB & GUTTER
- PROPOSED SIDEWALK
- PROPOSED RESIDENTIAL PAVEMENT
- EXISTING SAS MANHOLE
- PROPOSED SAS MANHOLE
- EXISTING WATER VALVE
- PROPOSED WATER VALVE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- EXISTING WATER LINE
- PROPOSED WATER LINE
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- PROPOSED WATER METER
- PROPOSED STREET LIGHTING (APPROX. LOCATION) 9500 LUMEN RESI.
- EXISTING STREET LIGHTING

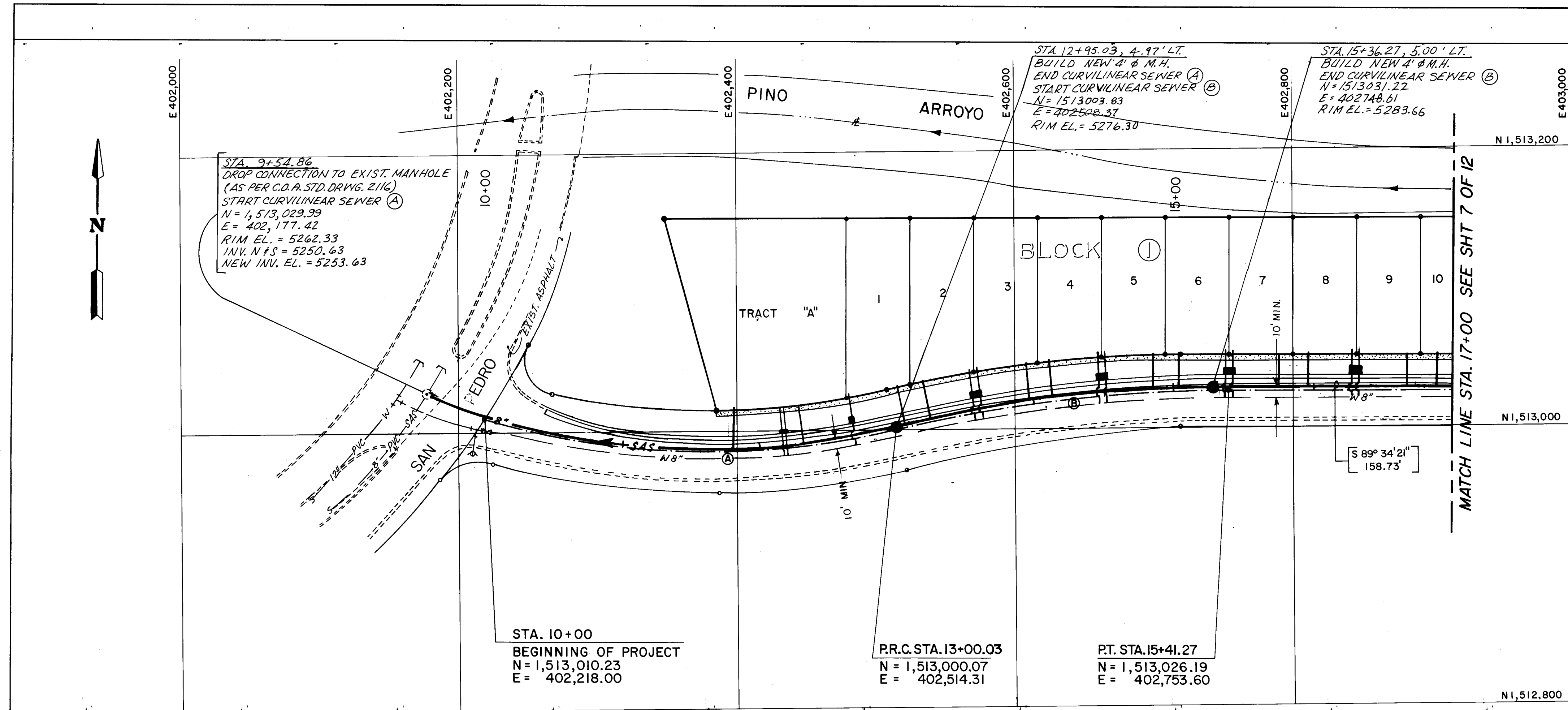


C of A PWD Maps & Records
26 3260 9693

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: ACADEMY ACRES - UNIT 16
UTILITY PLAN / TRAFFIC CONTROL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	Rogel	8-24-92	WATER	CP	8/17/92
TRANSPORTATION	NA	8-24-92	WASTE WATER	CP	8/17/92
HYDROLOGY	NA	8-19-92			
PROJECT NO.	3260	MAP NO.	E-18	SHEET	6 OF 12



NOTES

- ALL STATIONING IS CENTERLINE UNLESS OTHERWISE NOTED.
- SEE SHEET 6 OF 12 FOR OVERALL UTILITY LAYOUT.
- ALL NEW MANHOLES ARE TO BE TYPE "E" UNLESS OTHERWISE NOTED.
- EXISTING UTILITY LOCATIONS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR AND DISCREPANCIES REPORTED TO THE ENGINEER IMMEDIATELY.
- NO DEFLECTION AT JOINT SHALL BE ALLOWED ON PVC LINES. DEFLECTION, IF REQUIRED, SHALL OCCUR ON THE BARREL ITSELF WITHIN THE LIMIT SPECIFIED HEREIN.

SANITARY SEWER CURVE DATA

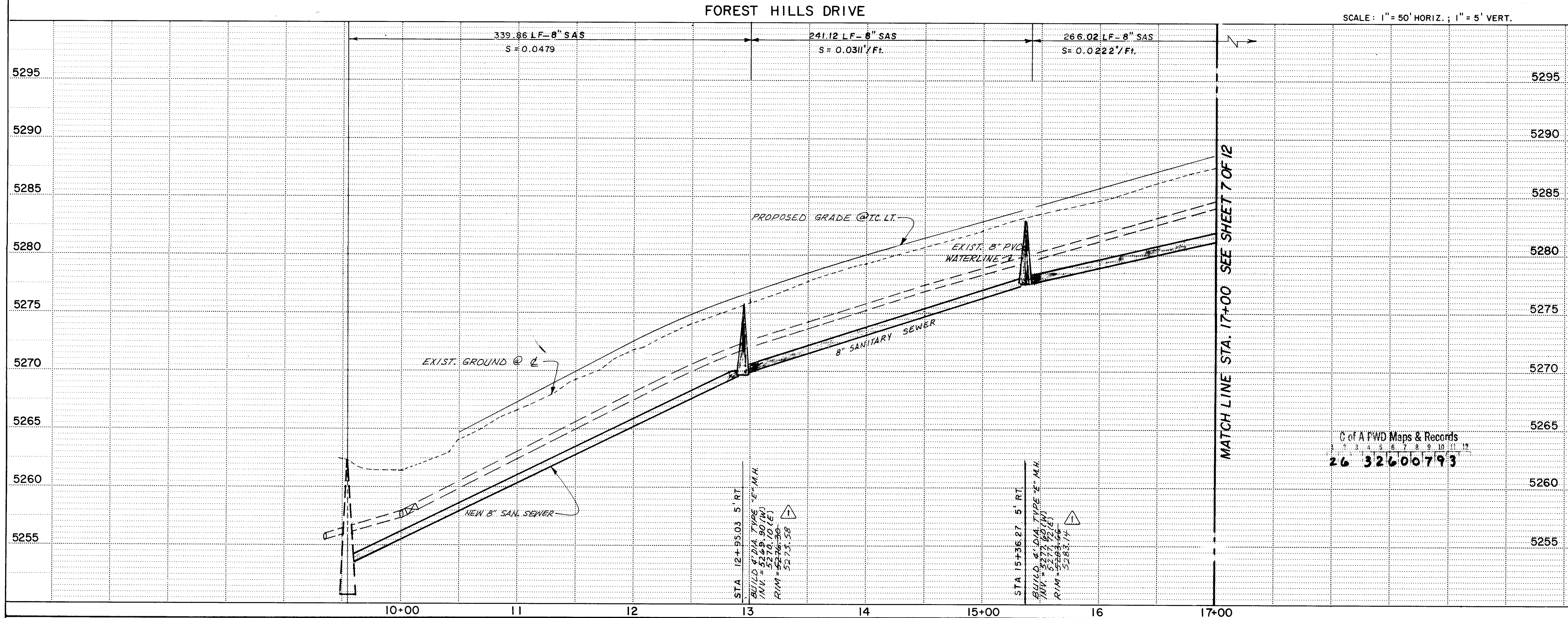
- ① $\Delta = 43^\circ 16' 19''$
 $R = 450.00'$
 $L = 339.86'$
 $T = 178.49'$
- ② $\Delta = 13^\circ 18' 38''$
 $R = 1043.18'$
 $L = 242.34'$
 $T = 121.72'$

SANITARY SEWER SERVICES				
LOT NO.	STATION-OFFSET	LENGTH	INVERT	PLUG
TRACT "A"	11+80.19, 29.54' LT	28.87'	5267.52	
	12+68.48, 29.88' LT	27.88'	5271.61	
1	13+06.94, 30.00' LT	25.00'	5272.99	
2	13+26.38, 29.95' LT	24.95'	5273.66	
3	13+97.51, 29.24' LT	24.24'	5275.95	
4	14+16.96, 28.90' LT	23.90'	5276.52	
5	14+87.15, 27.20' LT	22.20'	5278.54	
6	15+06.64, 26.59' LT	21.59'	5279.10	
7	15+77.65, 26.00' LT	21.00'	5281.14	
8	15+97.65, 26.00' LT	21.00'	5281.71	
9	16+69.55, 26.00' LT	21.00'	5283.78	
10	16+89.55, 26.00' LT	21.00'	5284.36	

WATER SERVICES		
LOT NO.	STATION	SERVICE TYPE
TRACT "A"	12+19.48	DOUBLE
1	12+68.48	SINGLE
2	13+62.13	DOUBLE
3		
4	14+52.12	DOUBLE
5		
6	15+41.70	DOUBLE
7		
8	16+33.60	DOUBLE
9		

LEGEND

- EXISTING CURB, GUTTER & SIDEWALK
- PROPOSED CURB & GUTTER
- PROPOSED SIDEWALK
- PROPOSED RESIDENTIAL PAVEMENT
- EXISTING SAS MANHOLE
- PROPOSED SAS MANHOLE
- EXISTING WATER VALVE
- PROPOSED WATER VALVE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- EXISTING WATER LINE
- PROPOSED WATER LINE
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- PROPOSED WATER METER

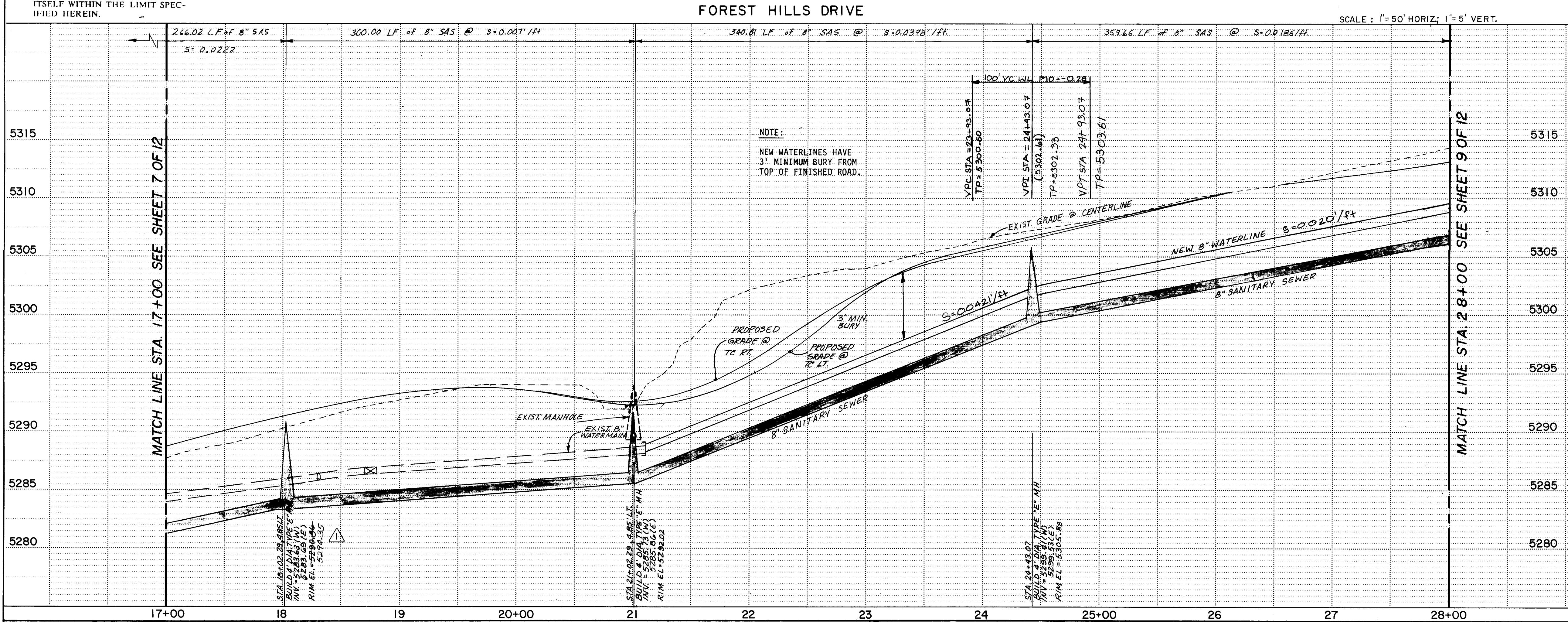
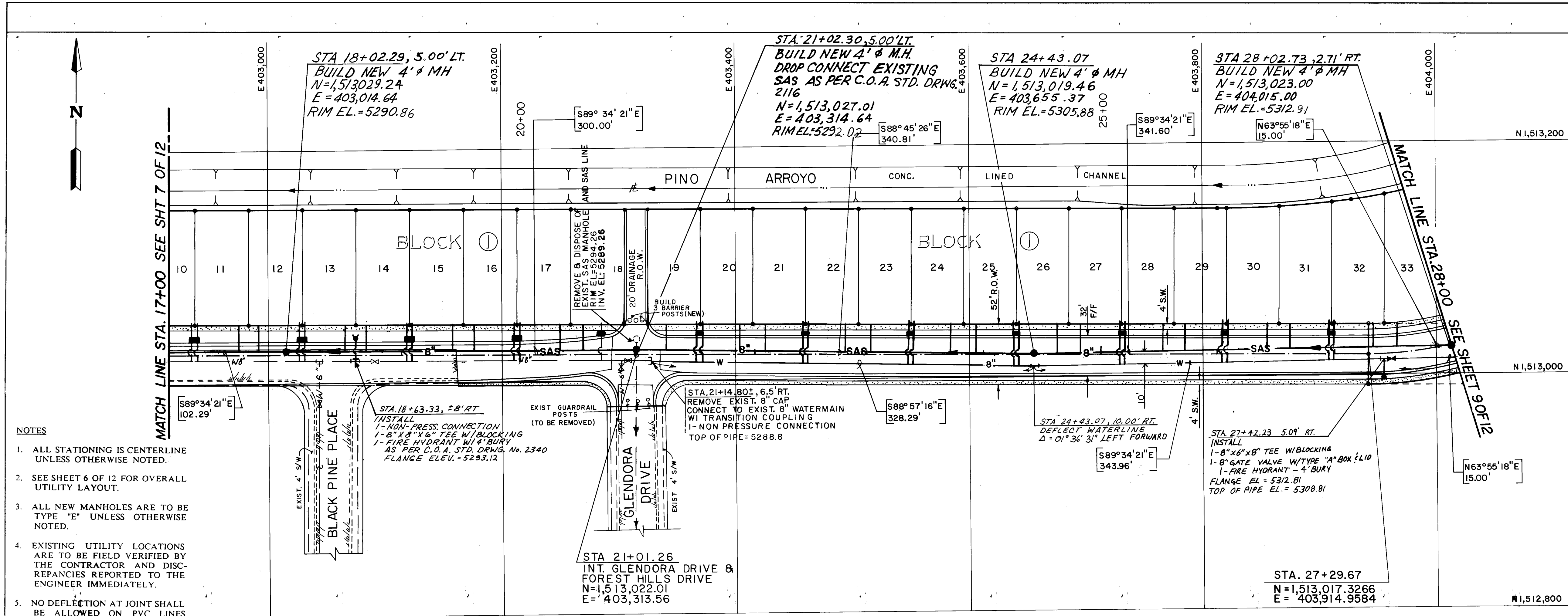


CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: WATER AND SANITARY SEWER
PLAN AND PROFILE: STA. 9+54.86 TO STA. 17+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	Rogelio	8-24-92	WATER	GP	8/17/92
TRANSPORTATION	NA	8-24-92	WASTE WATER	GP	8/17/92
HYDROLOGY	NA	8-19-92			

PROJECT NO. 3260 MAP NO. E-18 SHEET 7 OF 12



AS BUILT INFORMATION

LOT NO.	STATION-OFFSET	LENGTH	INVERT @ PLUG
11	17+61.44, 26.00' LT.	21.00'	5286.31
12	17+81.44, 26.00' LT.	21.00'	5286.81
13	18+53.33, 26.00' LT.	21.00'	5288.43
14	18+73.33, 26.00' LT.	21.00'	5288.80
15	19+45.23, 26.00' LT.	21.00'	5289.63
16	19+65.23, 26.00' LT.	21.00'	5289.70
17	20+37.12, 26.00' LT.	21.00'	5288.99
18	20+57.12, 26.00' LT.	21.00'	5288.66
19	21+28.07, 26.00' LT.	21.38'	5289.00
20	21+93.07, 26.00' LT.	22.33'	5291.32
21	22+13.07, 26.00' LT.	22.62'	5292.42
22	22+83.07, 26.00' LT.	23.65'	5296.35
23	23+03.07, 26.00' LT.	23.94'	5297.31
24	23+73.07, 26.00' LT.	24.97'	5300.14
25	23+93.07, 26.00' LT.	25.26'	5300.79
26	24+63.07, 26.00' LT.	25.65'	5302.66
27	24+83.07, 26.00' LT.	25.30'	5303.17
28	25+53.07, 26.00' LT.	24.09'	5304.97
29	25+73.07, 26.00' LT.	23.75'	5305.47
30	26+43.07, 26.00' LT.	22.54'	5306.90
31	26+63.07, 26.00' LT.	22.19'	5307.20
32	27+33.40, 26.00' LT.	21.00'	5308.15
33	27+55.29, 25.97' LT.	21.61'	5308.46

WATER SERVICES

LOT NO.	STATION	SERVICE TYPE
10	17+25.49	DOUBLE
11		
12	18+17.39	DOUBLE
13		
14	19+09.28	DOUBLE
15		
16	20+01.18	DOUBLE
17		
18	20+72.12	SINGLE
19		
20	21+58.07	DOUBLE
21		
22	22+48.07	DOUBLE
23		
24	23+38.07	DOUBLE
25		
26	24+28.07	DOUBLE
27		
28	25+18.07	DOUBLE
29		
30	26+08.07	DOUBLE
31		
32	26+98.07	DOUBLE

LEGEND

- EXISTING CURB, GUTTER & SIDEWALK
- PROPOSED CURB & GUTTER
- PROPOSED SIDEWALK
- PROPOSED RESIDENTIAL PAVEMENT
- EXISTING SAS MANHOLE
- PROPOSED SAS MANHOLE
- EXISTING WATER VALVE
- PROPOSED WATER VALVE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- EXISTING WATER LINE
- PROPOSED WATER LINE
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- PROPOSED WATER METER

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS
1	4/93	MANHOLE RIM ELEV'S.

DESIGN

DESIGNED BY	DATE
K.L.S.	1/88

DRAWN BY	DATE
P.A. & M.C.	1/88

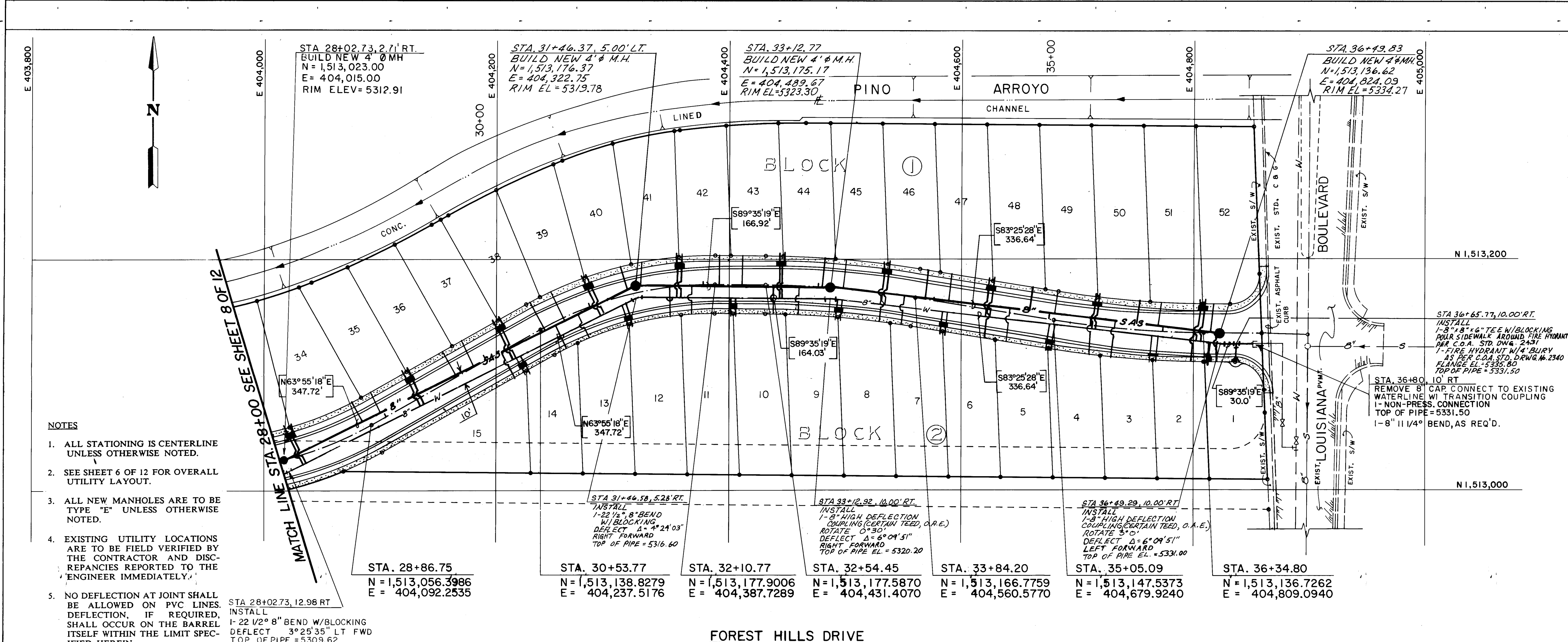
CHECKED BY	DATE
T.A.R.	1/88

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

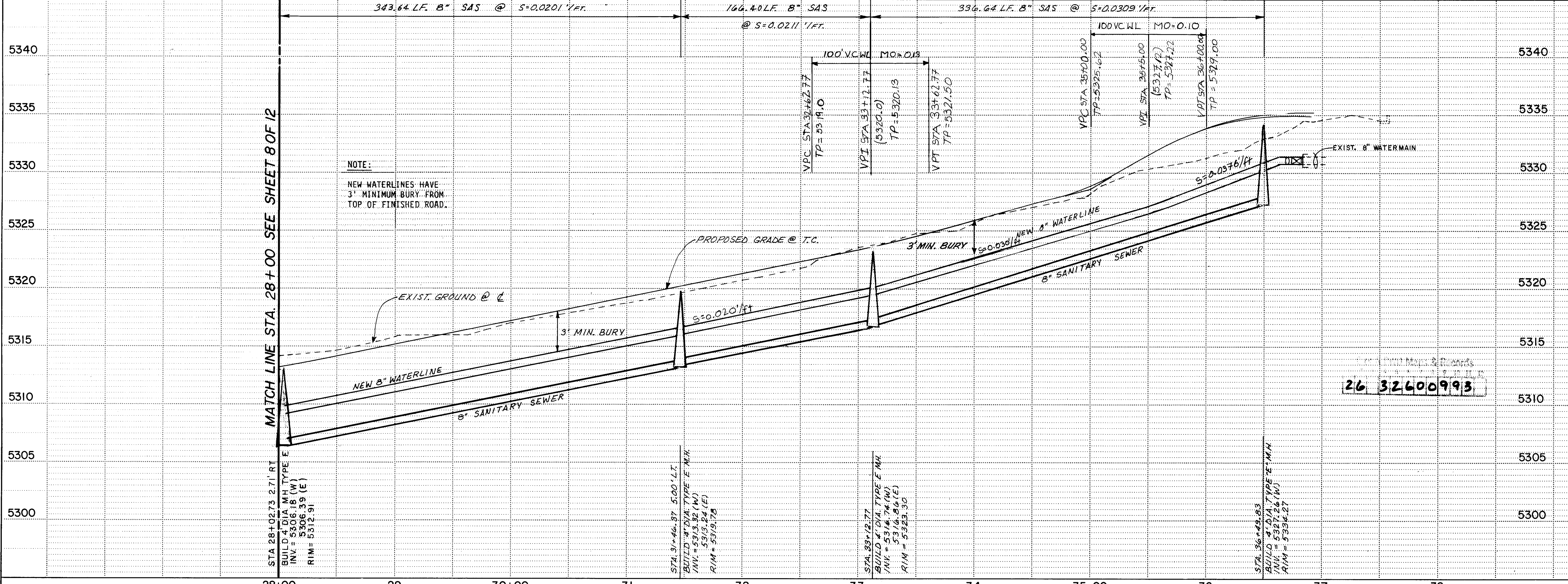
TITLE: WATER AND SANITARY SEWER
PLAN AND PROFILE: STA. 17+00 TO STA. 28+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	Reggie	8-26-92	WATER	GR	8/17/92
TRANSPORTATION	NA	8-24-92	WASTE WATER	GR	8/17/92
HYDROLOGY	NA	8-17-92			

PROJECT NO. 3260 **MAP NO. E-18** **SHEET 8 OF 12**



- NOTES
1. ALL STATIONING IS CENTERLINE UNLESS OTHERWISE NOTED.
 2. SEE SHEET 6 OF 12 FOR OVERALL UTILITY LAYOUT.
 3. ALL NEW MANHOLES ARE TO BE TYPE "E" UNLESS OTHERWISE NOTED.
 4. EXISTING UTILITY LOCATIONS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR AND DISCREPANCIES REPORTED TO THE ENGINEER IMMEDIATELY.
 5. NO DEFLECTION AT JOINT SHALL BE ALLOWED ON PVC LINES. DEFLECTION, IF REQUIRED, SHALL OCCUR ON THE BARREL ITSELF WITHIN THE LIMIT SPECIFIED HEREIN.



SANITARY SEWER SERVICES			AS BUILT INFORMATION		
LOT NO.	STATION-OFFSET	LENGTH	INVERT @ PLOG	CONTRACTOR	DATE
34	28+79.91, 25.11' LT	20.24'	5310.76	WALKER	3/93
35	29+00.48, 25.00' LT	21.14'	5311.18	WALKER	3/93
36	29+70.48, 25.00' LT	24.90'	5312.61	WALKER	3/93
37	29+90.48, 25.00' LT	25.98'	5313.02	WALKER	3/93
38	30+56.96, 25.00' LT	29.55'	5314.38	WALKER	3/93
39	30+75.42, 25.00' LT	29.80'	5314.76	WALKER	3/93
40	31+34.01, 25.00' LT	22.46'	5315.96	WALKER	3/93
41	31+52.48, 25.00' LT	20.88'	5316.34	WALKER	3/93
42	32+14.33, 25.00' LT	27.00'	5317.60	WALKER	3/93
43	32+34.33, 25.00' LT	27.00'	5318.01	WALKER	3/93
44	33+03.05, 25.00' LT	25.57'	5319.43	WALKER	3/93
45	33+22.48, 25.00' LT	25.31'	5319.86	WALKER	3/93
46	33+91.87, 25.00' LT	24.41'	5321.64	WALKER	3/93
47	34+11.87, 25.00' LT	23.51'	5322.19	WALKER	3/93
48	34+83.62, 25.00' LT	20.28'	5324.28	WALKER	3/93
49	35+03.62, 25.00' LT	19.38'	5325.11	WALKER	3/93
50	35+76.81, 25.00' LT	19.11'	5328.93	WALKER	3/93
51	35+97.42, 25.00' LT	20.14'	5329.72	WALKER	3/93
52	36+43.61, 25.00' LT	24.19'	5330.77	WALKER	3/93
1	36+46.05, 25.00' RT	25.26'	5330.85	WALKER	3/93
2	36+26.30, 25.00' RT	27.37'	5330.53	WALKER	3/93
3	35+57.94, 25.00' RT	31.40'	5328.04	WALKER	3/93
4	35+38.51, 25.00' RT	31.51'	5326.94	WALKER	3/93
5	34+67.95, 25.00' RT	28.96'	5323.75	WALKER	3/93
6	34+47.95, 25.00' RT	28.06'	5323.18	WALKER	3/93

WATER SERVICES		
LOT NO.	STATION	SERVICE TYPE
33	28+17.67	DOUBLE
34	29+35.48	DOUBLE
35	30+25.48	DOUBLE
36	31+04.72	DOUBLE
37	31+81.78	DOUBLE
38	32+68.92	DOUBLE
39	33+56.89	DOUBLE
40	34+47.74	DOUBLE
41	35+40.39	DOUBLE
42	36+33.57	DOUBLE
43	36+34.83	SINGLE
44	35+92.23	DOUBLE
45	35+03.83	DOUBLE
46	34+12.08	DOUBLE
47	33+18.85	DOUBLE
48	32+26.78	DOUBLE
49	31+29.60	DOUBLE
50	30+25.97	DOUBLE

LEGEND

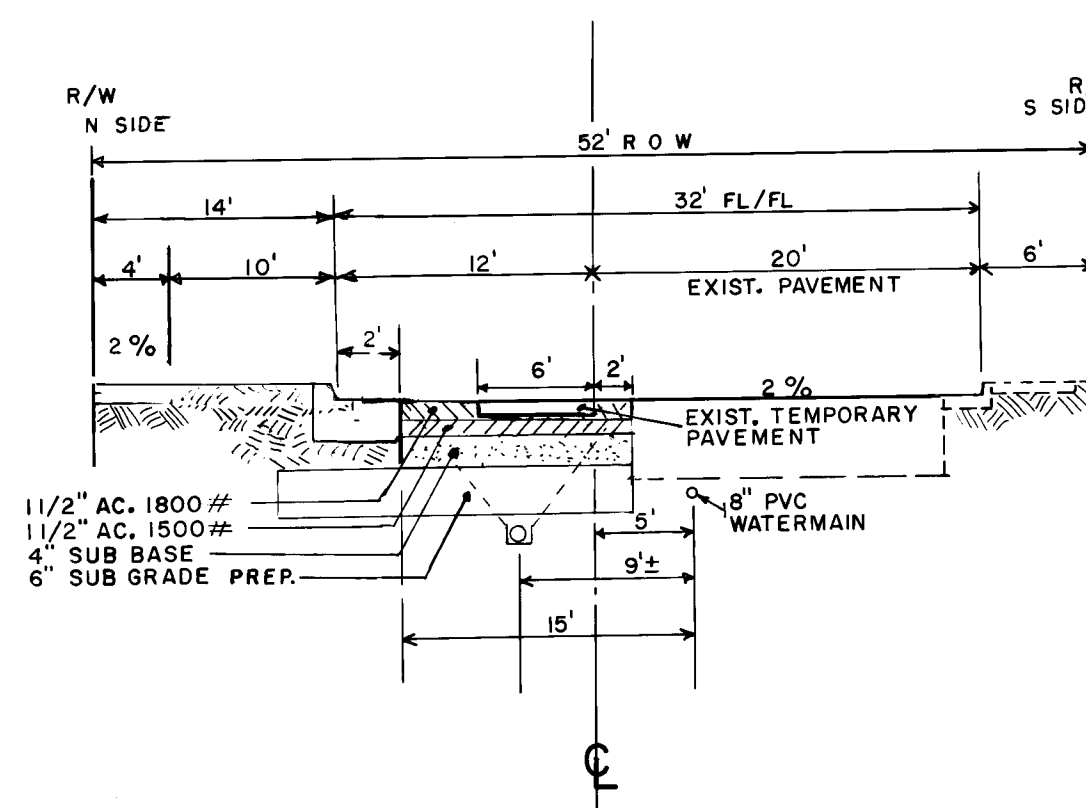
- EXISTING CURB, GUTTER & SIDEWALK
- PROPOSED CURB & GUTTER
- PROPOSED SIDEWALK
- PROPOSED RESIDENTIAL PAVEMENT
- EXISTING SAS MANHOLE
- PROPOSED SAS MANHOLE
- EXISTING WATER VALVE
- PROPOSED WATER VALVE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- EXISTING WATER LINE
- PROPOSED WATER LINE
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- PROPOSED WATER METER

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

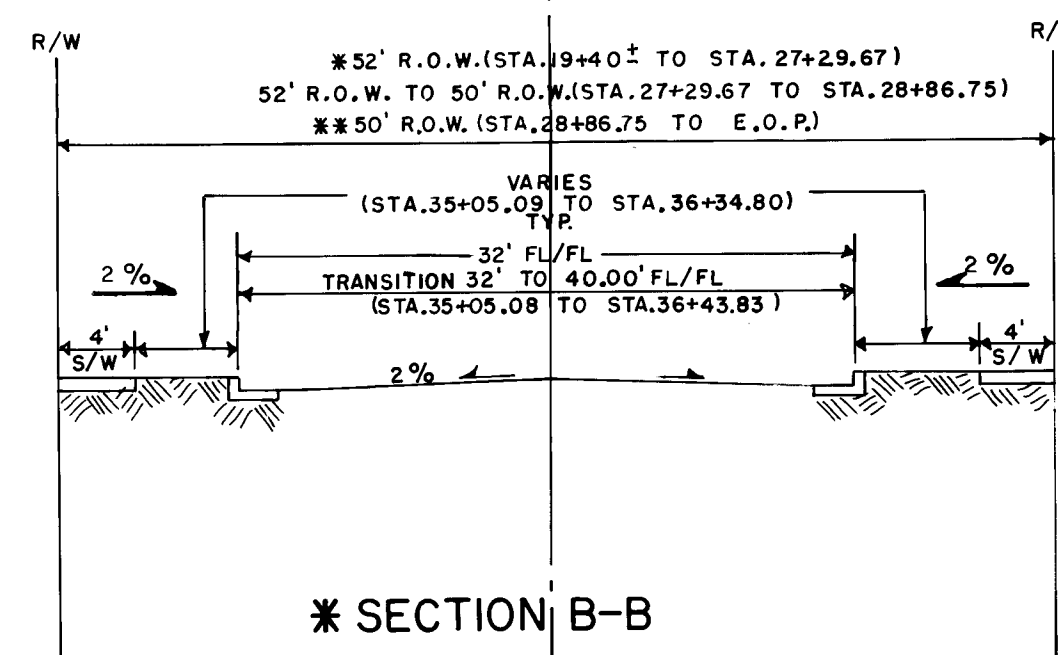
TITLE: WATER AND SANITARY SEWER
PLAN AND PROFILE: STA. 28+00 TO E.O.P.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DR. CHAIRMAN	Regan Shaw	8-24-92	WATER	W. R. Shaw	8/24/92
TRANSPORTATION	W. R. Shaw	8-24-92	WASTE WATER	W. R. Shaw	8/24/92
HYDROLOGY	N/A	8-19-92			

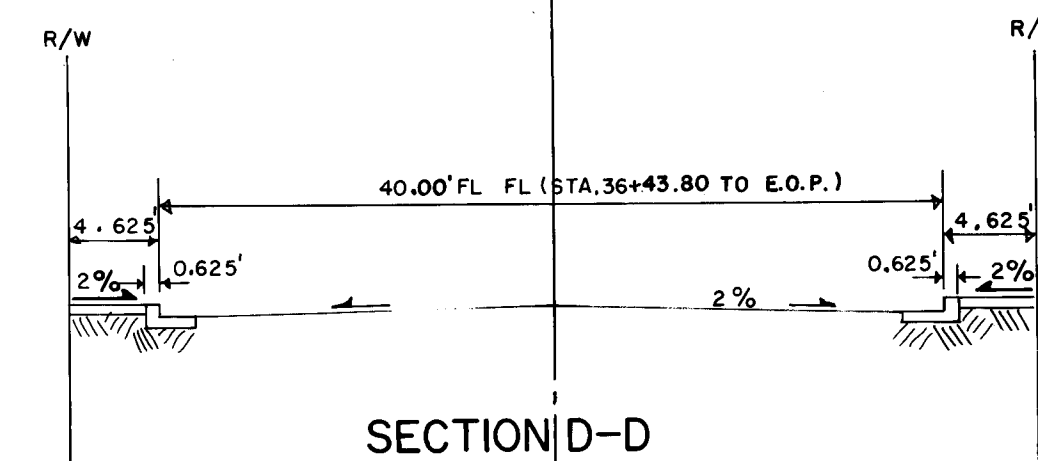
PROJECT NO. 3260 MAP NO. E-18 SHEET 9 OF 12



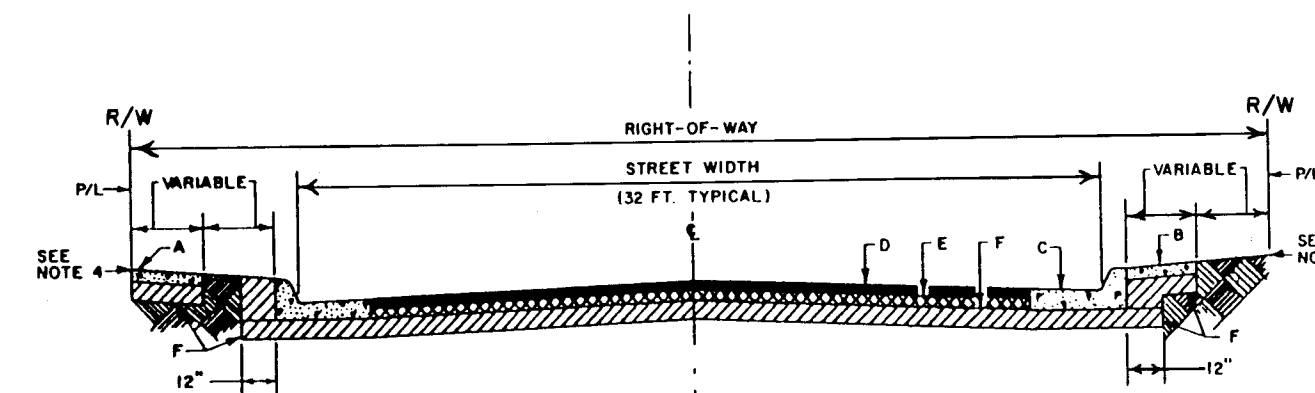
PROPOSED ROADWAY SECTION
FROM SAN PEDRO STA. 10+50± TO STA. 19+40±
SECTION A-A



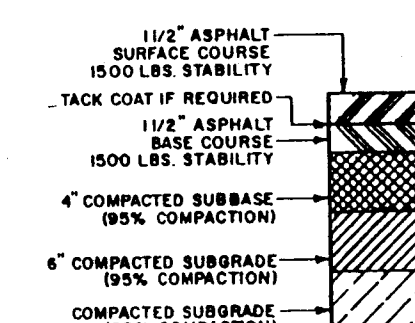
* SECTION B-B
* * SECTION C-C



SECTION D-D
PROPOSED ROADWAY SECTIONS
FROM STA. 19+40± TO E.O.P.



TYPICAL RESIDENTIAL STREET



ASPHALT CONCRETE
PAVEMENT SECTION

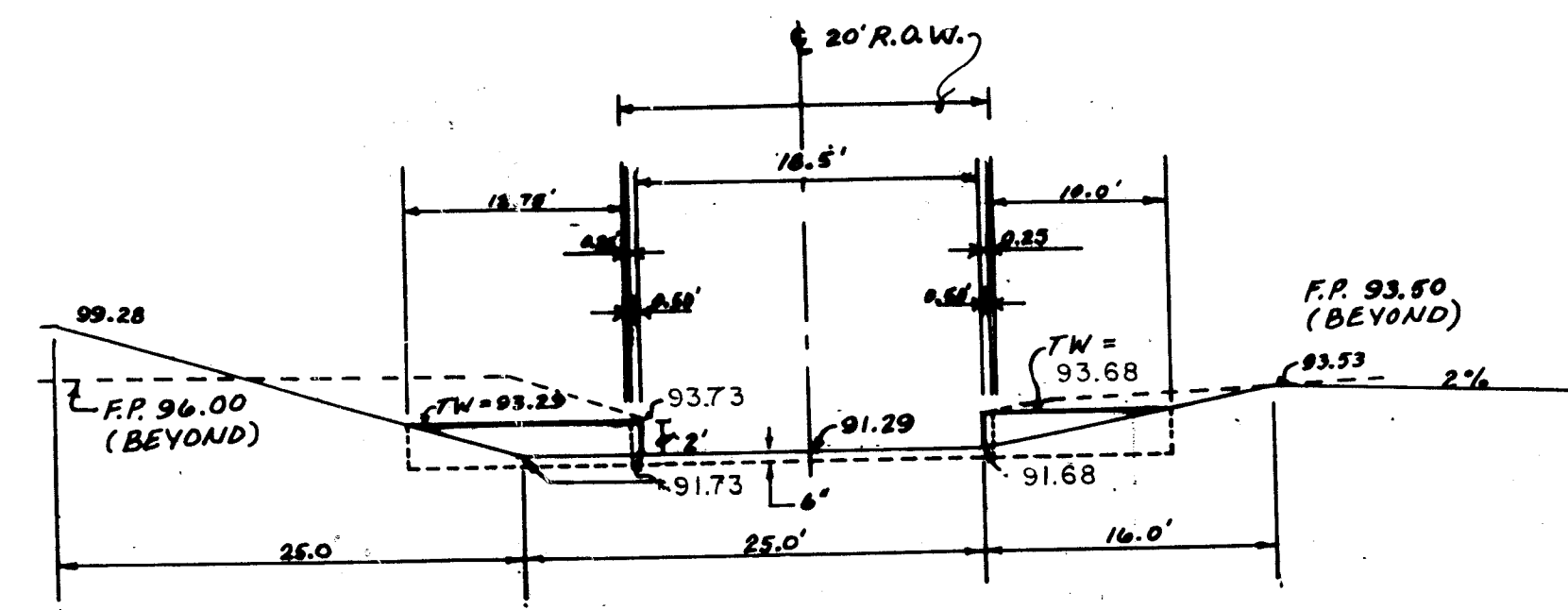
GENERAL NOTES:

1. CROWN ON STREETS SHALL BE AS FOLLOWS:
a. 32' STREET = 4"
b. 40' STREET = 5"
c. LESS THAN 32' STREET, PAVEMENT SLOPE = 2%
2. ALL SUBGRADE COMPACTION FOR C & G WILL EXTEND 12" MIN. ON EITHER SIDE OF C & G ON CURB SECTION
3. SUBGRADE PREPARATION UNDER SIDEWALK AND DRIVEWAYS SHALL BE INCLUDED WITH THE PARTICULAR ITEM
4. FINISH GRADE AT PROPERTY LINE SHALL BE 0.3' MIN. ABOVE TOP OF CURB

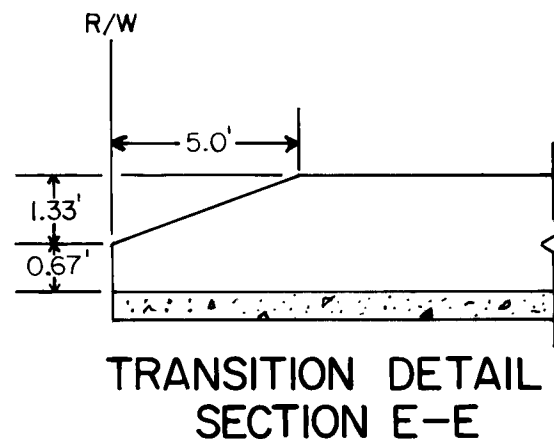
CONSTRUCTION NOTES:

- A. SIDEWALK AT STANDARD SETBACK
- B. SIDEWALK ADJACENT TO CURB (NON-STANDARD, VARIANCE REQUIRED)
- C. STANDARD C & G
- D. A.C. OR P.C. PAVEMENT
- E. 4" COMPACTED SUBBASE
- F. 6" COMPACTED SUBGRADE

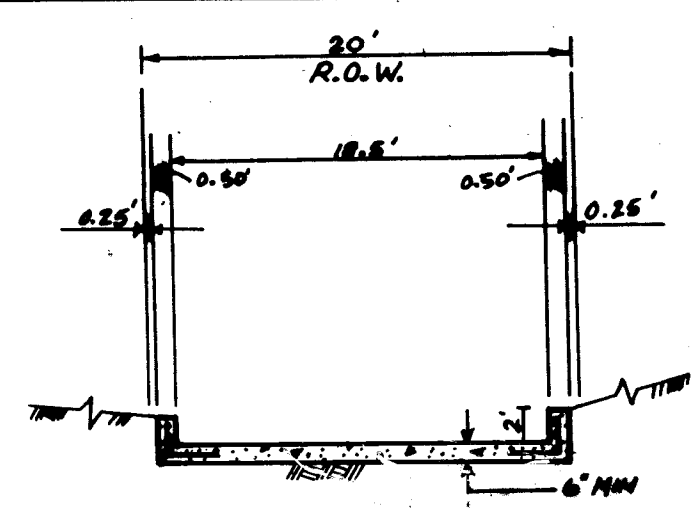
TYPICAL ROADWAY SECTIONS: FOREST HILLS DRIVE
(SCALE: 1" = 50')



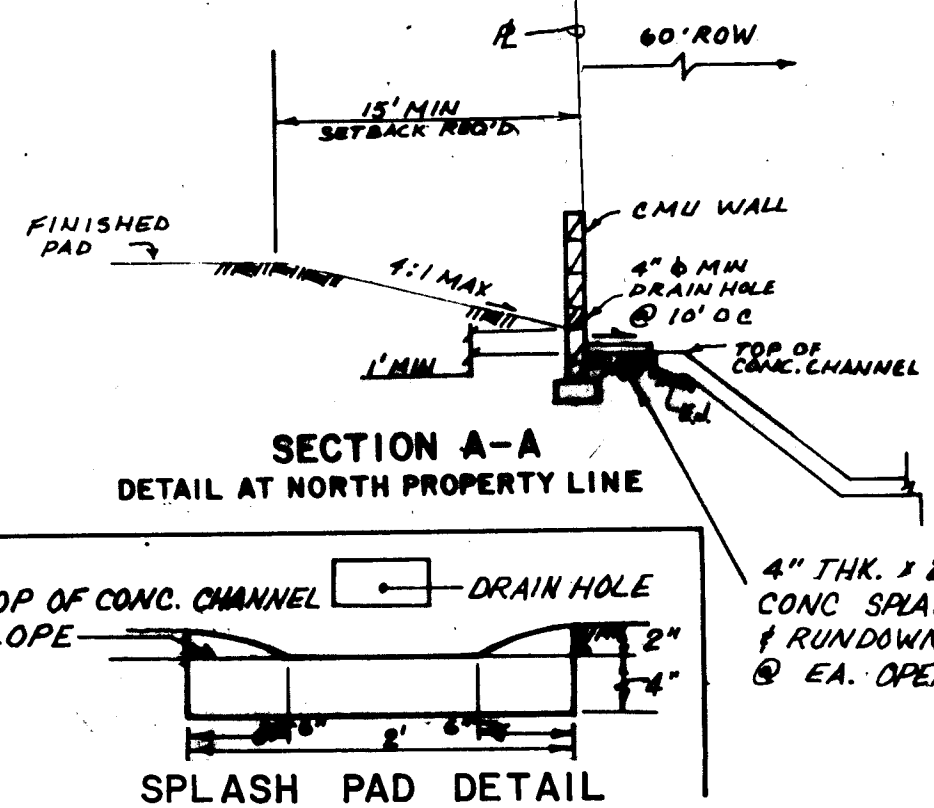
ELEVATION LOOKING SOUTH
AT CHANNEL LINING CONNECTION TO EXISTING RUNDOWN



TRANSITION DETAIL
SECTION E-E



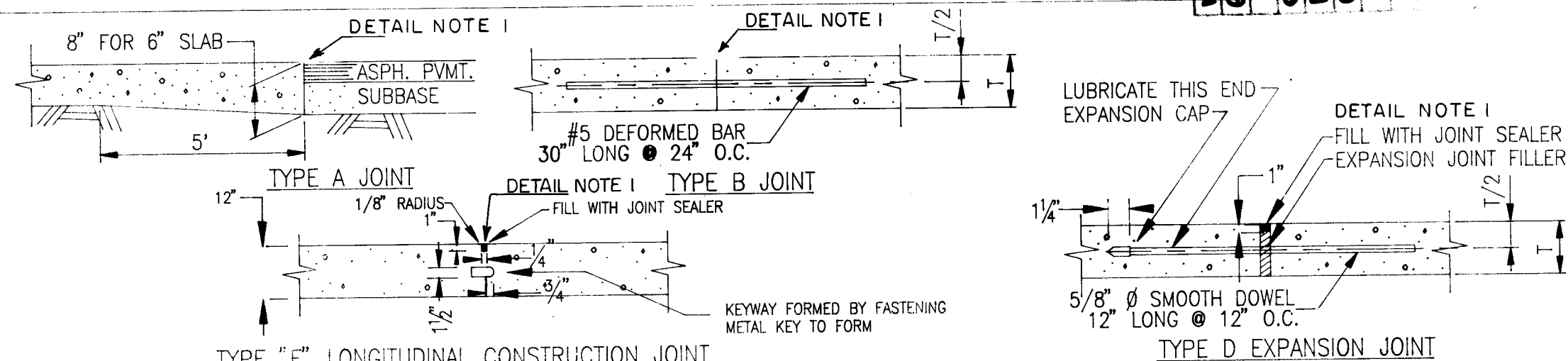
SECTION B-B
TYPE "B"
DRAINAGE R.O.W.
FOR DETAILS SEE COA STD. DWG. 2200
NOTE: THERE IS NO INVERTED CROWN



SECTION A-A
DETAIL AT NORTH PROPERTY LINE

DRAINAGE DETAILS

JOINT DETAILS
NOT TO SCALE



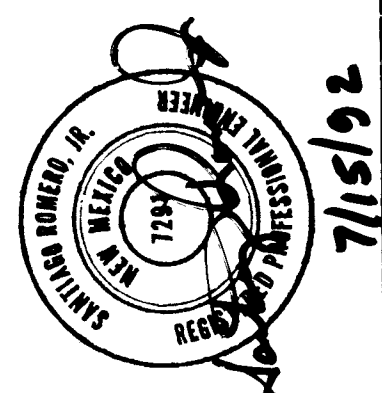
FOREST HILLS DRIVE/GLENDORRA DRIVE INTERSECTION
PAVING/JOINING DETAILS
(SCALE: 1" = 10')

INTERSECTION PAVING/JOINT NOTES

1. All portland cement concrete shall comply with the requirements of the supplemental technical specification for COA Public Works Construction SP101. Maximum slump for pavement shall not exceed 3", unless a high range water reducer (super plasticizer) is used. If HRWR is used, the maximum slump shall not exceed 6" at the time of placement.
2. All joints in the concrete and at the interface of the asphalt concrete and portland cement concrete should be sawed and sealed. The sealant shall be a silicon type sealant over a backer rod to define the necessary shape factor as specified by the sealant manufacturer. Use Dow Corning 888 Silicone Joint Sealant.
3. DETAIL NOTES
1. SAWED JOINT. Saw cut shall be made to a minimum depth of 1/3 the depth of the slab, to a maximum width not to exceed 1/4". The joint shall be sawed as soon as the concrete will hold a neat edge without raveling. The joint shall be cured and sand blasted clean, prior to placement of backer rod and sealant.
2. ALL JOINTS shall be sawed and sealed in accordance with this specification.
3. Sealant shall be placed to provide a shape factor of 1:1, with the finish surface of the sealant recessed not less than 1/8" below the surface of the joint.
4. The surface of the concrete shall be finished with a "railed" fine finish applied transverse the direction of the through street.
5. See sheet 4 of 12 for spot elevations.
6. Wheel chair ramps are to be built as per COA Std. Dwg. 2441



ENGINEER'S SEAL



REVISIONS	DATE	BY
DESIGN	1/88	
CHECKED BY T.A.R.	1/88	
DRAWN BY M.C.	1/88	
DESIGNED BY K.L.S.	1/88	

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

MISCELLANEOUS DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Randy Brown	8-24-92	WATER		8/17/92
Trans. Dev.	Paul	8-24-92	WASTE WATER		
HYDROLOGY	Hunter	8-19-92			
PROJECT NO.	3260	MAP NO.	E-18	SHEET	10 OF 12

DRAINAGE PLAN COMPUTATIONS

A. BASIC ASSUMPTIONS

- Discharge from the proposed subdivision will drain onto two separate locations. One point of discharge is the concrete drainage channel being constructed at Glendora and Forest Hills Drive. The other point is at the intersection of San Pedro Blvd and Forest Hills Drive. No significant increase to the discharge amount will occur at this intersection as a result of this development.
- This subdivision comprises of two drainage basins (on-site) a third basin (off-site) will discharge into the above mentioned drainage channel at Glendora, which presently drains into the Pino Arroyo.
- All the lots being constructed on the north side of Forest Hills Drive will free discharge, sheet flow, into the Pino Arroyo.
- No other off-site flows will be accepted onto this site. The flows from east of Louisiana Blvd. are intercepted by drop inlets and discharged to the Pino Arroyo via a 30" RCP storm sewer in Louisiana Blvd.

B. CONTRIBUTING AREAS

- Basin "A" (On-Site)
 - Total Area = 170,275 S.F.
 - Paved Area = 98,850 S.F.
 - Roof Area = 31,500 S.F.
 - Lawn & Landscaping = 64,318 S.F.
- Basin "B" (On-Site)
 - Total Area = 57,075 S.F.
 - Paved Area = 45,325 S.F.
 - Landscaping = 11,750 S.F.
- Basin "C" (Off-Site)
 - Q = 99 CFS

C. RUNOFF COEFFICIENTS (COMPOSITE C)

- Basin "A" =

58.550	0.95 +	194,277	0.90 +	64,318	0.33
194,277	0.95 +	194,277	0.90 +	194,277	0.33

 C = 0.70
- Basin "B" =

45,325	0.95	11,750	0.25
57,075	0.95	57,075	0.25

 C = 0.80

D. TIME OF CONCENTRATION (T_c)

- $T_c = 0.0078 \times (L^{0.77}/0.385)$
 - Basin "A" = L = 1583 S = 2.67% T_c = 9.20 Min
 - Basin "B" = L = 1011 S = 3.09% T_c = 6.20 Min
 - Basin "C" = L = 1950 S = 2.46% T_c = 11.10 Min (Use 10 min)

E. RAINFALL INTENSITY (I)

- Rainfall Volume 2.3" (100 Yr. Freq.) Plate 22.2 D-1
 - Basin "A" $I = 2.3 \times 6.84 \times 9.20^{-0.51} = 1 = 5.07"$
 - Basin "B" $I = 2.3 \times 6.84 \times 6.20^{-0.51} = 1 = 6.20"$

F. PEAKFLOW RUNOFF (Q = CIA)

- Basin "A"
 - Q = 0.70 x 5.07 x 4.46 = Q = 15.91 CFS USE 16 CFS
- Basin "B"
 - Q = 0.80 x 6.20 x 1.31 = Q = 8.51 CFS
- Basin "C"
 - Q = 99 CFS (From previous drainage report, See Appendix)

G. STREET FLOW CAPACITY (1/2 STREET WIDTH)

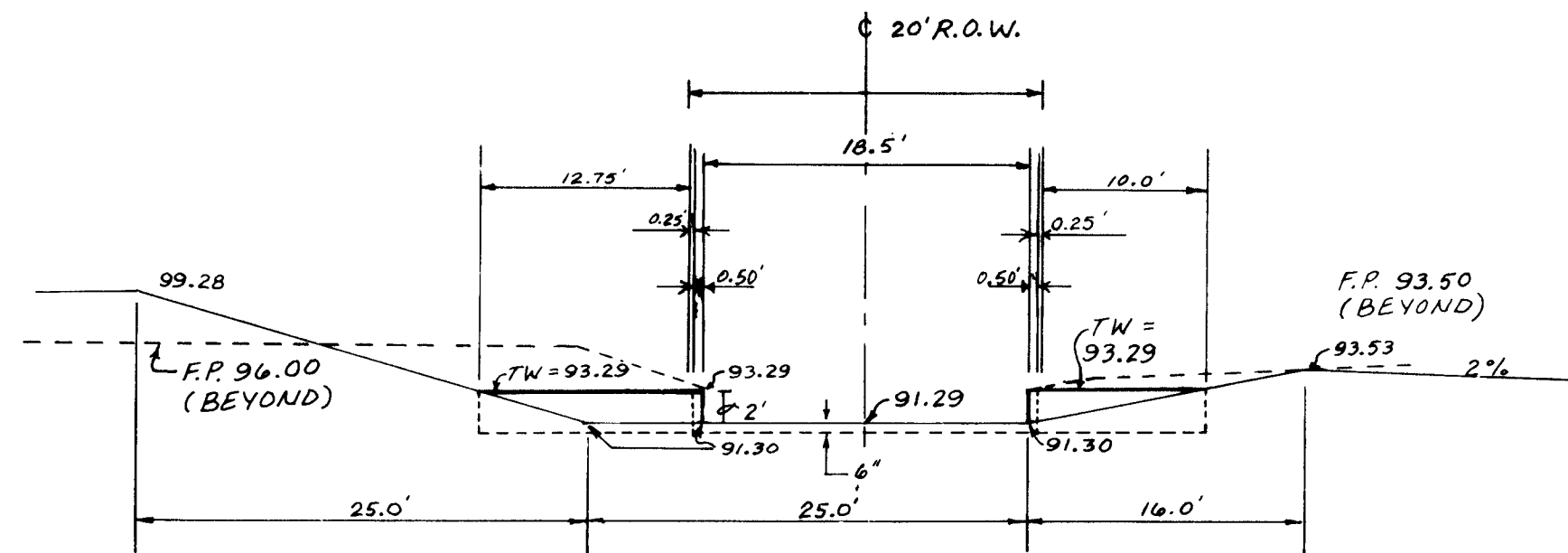
- Slope = 2.67%
- Manning = 0.017
- Flow Rate = $Q = 8 \times 87.41 \times 0.61 \times 0.16$
Q = 68.24 CFS

H. DRAINAGE CHANNEL

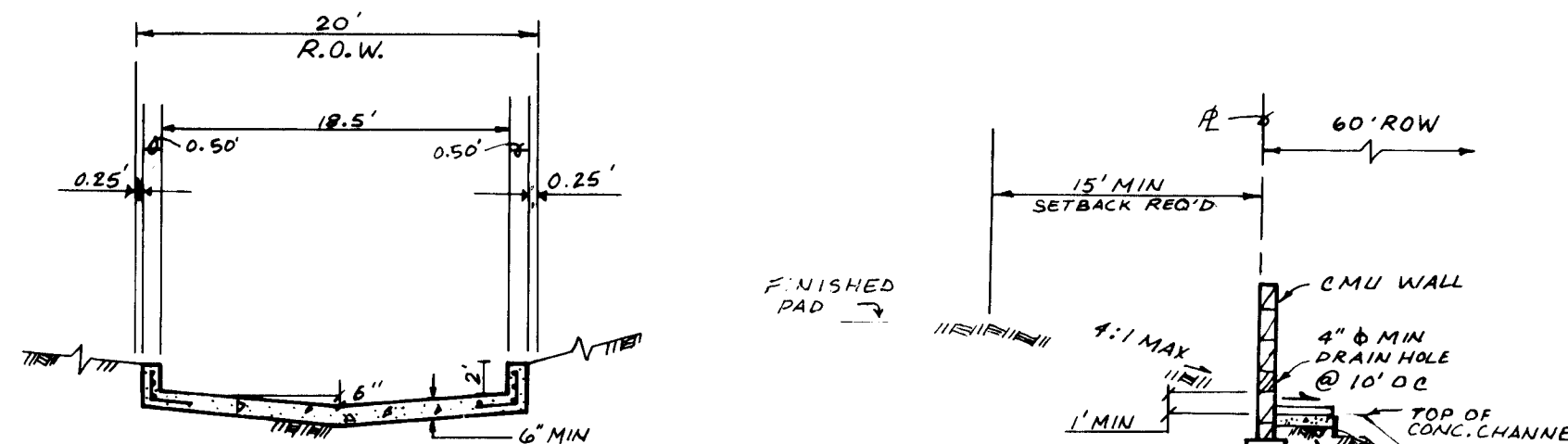
- Required Flow Capacity Q₁₀₀ = 115 CFS (99 cfs from Glendora + 16 cfs from Basin "A")
- Actual Flow Capacity at 1' depth
 - $Q = A \times \frac{1.486}{0.013 \times R^{2/3} \times S^{1/2}}$
 - Q = 18.5 x 114.30 x 0.93 x 0.061
 - Q = 119.96 CFS > 115 CFS Required

I. CONCLUSIONS

- The street capacity for those streets within this development will not be exceeded by the 100 year run off at any point in this subdivision.
- The off-site flows being accepted onto this subdivision from Glendora Ave. along with the on-site flows being generated will not exceed the drainage structures constructed as part of this project. Flow depth in the 18.5' wide channel will not exceed 1' depth. The T_c for both the off-site Basin "C" flows and the flow from Basin "A" will peak at the same time (10 min) at 18.5 wide channel. Finished floor elevations for existing residences and new residences within this development will not be jeopardized by high water levels resulting during the 100 year event.

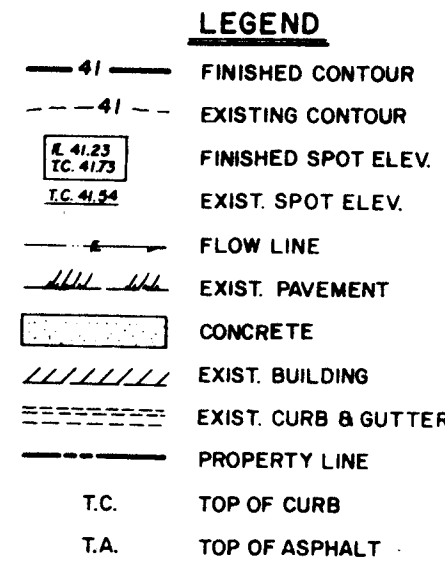
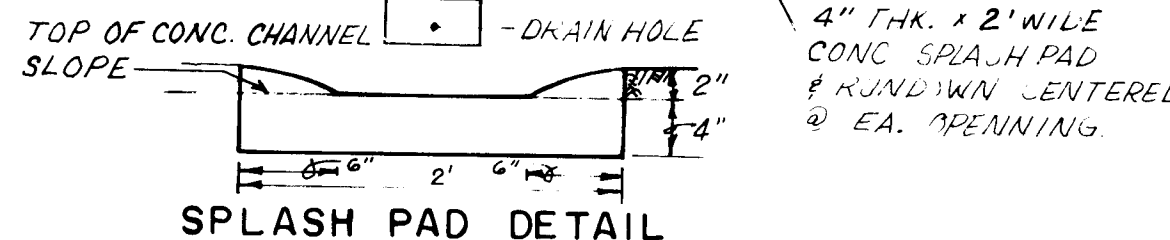


ELEVATION LOOKING SOUTH
AT CHANNEL LINING CONNECTION TO EXISTING RUNDOWN



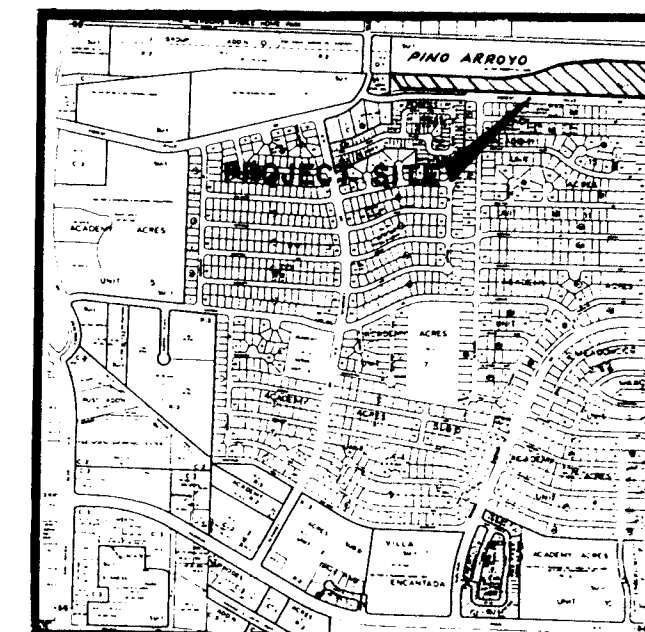
SECTION B-B
TYPE "B"
DRAINAGE R.O.W.
FOR DETAILS SEE COA STD. DWG. 2260

SECTION A-A
DETAIL AT NORTH PROPERTY LINE

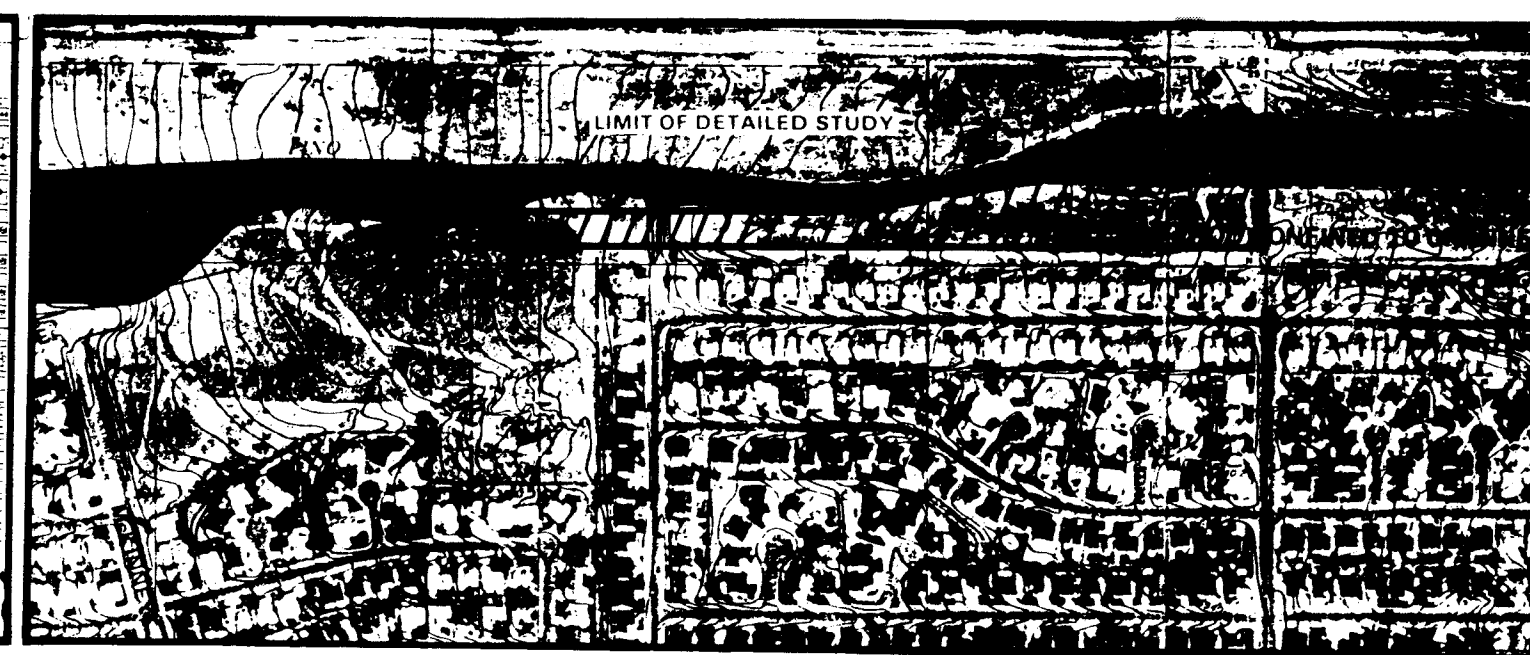


GRADING AND DRAINAGE PLAN FOR ACADEMY ACRES UNIT 16 SUBDIVISION REPLAT OF TRACT "B"

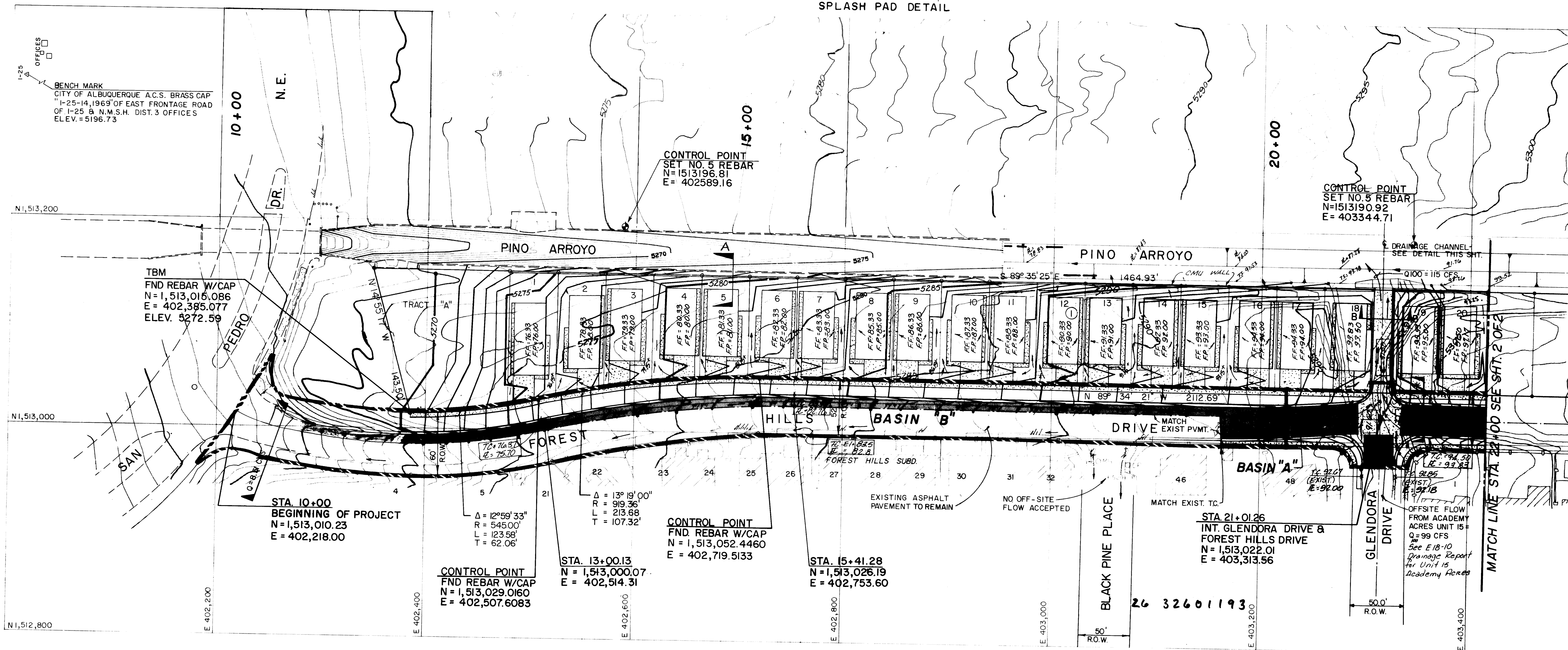
SCALE: 1" = 50'



LOCATION MAP E-18



FLOODWAY MAP

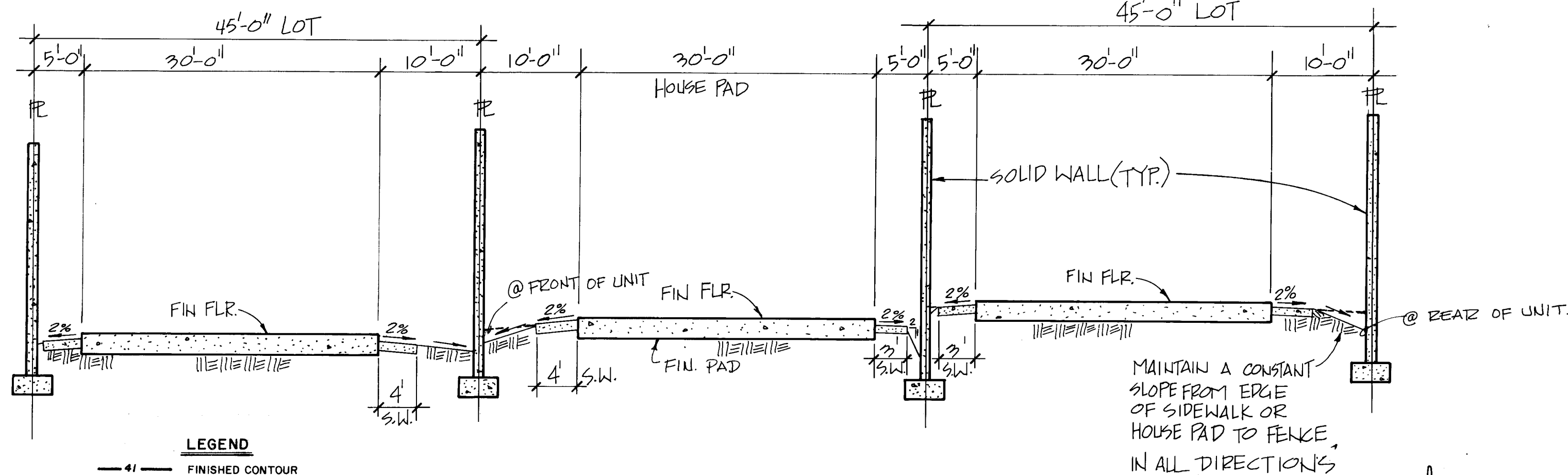
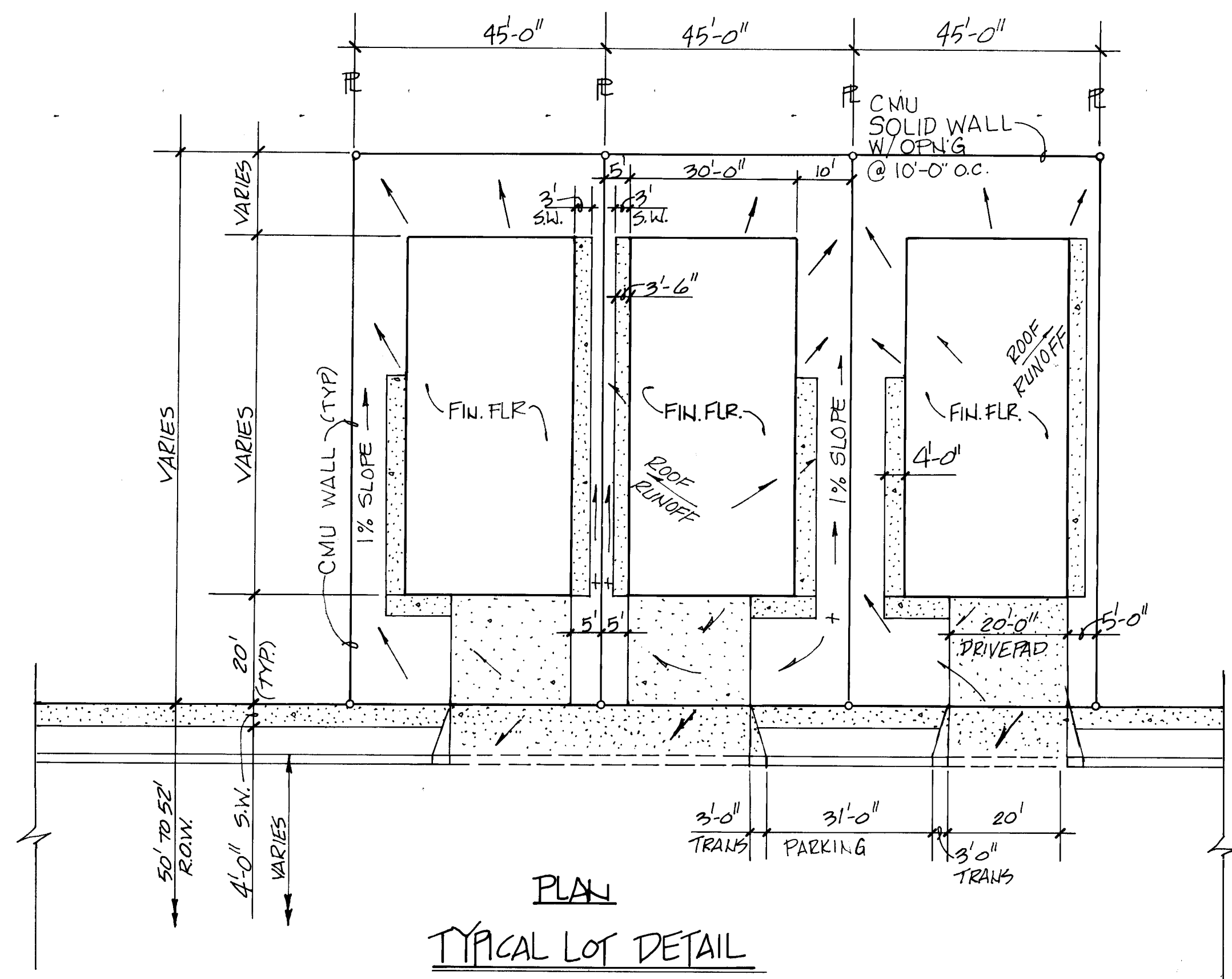


* STREET CAPACITY POINT
OF ANALYSIS

NOTES:

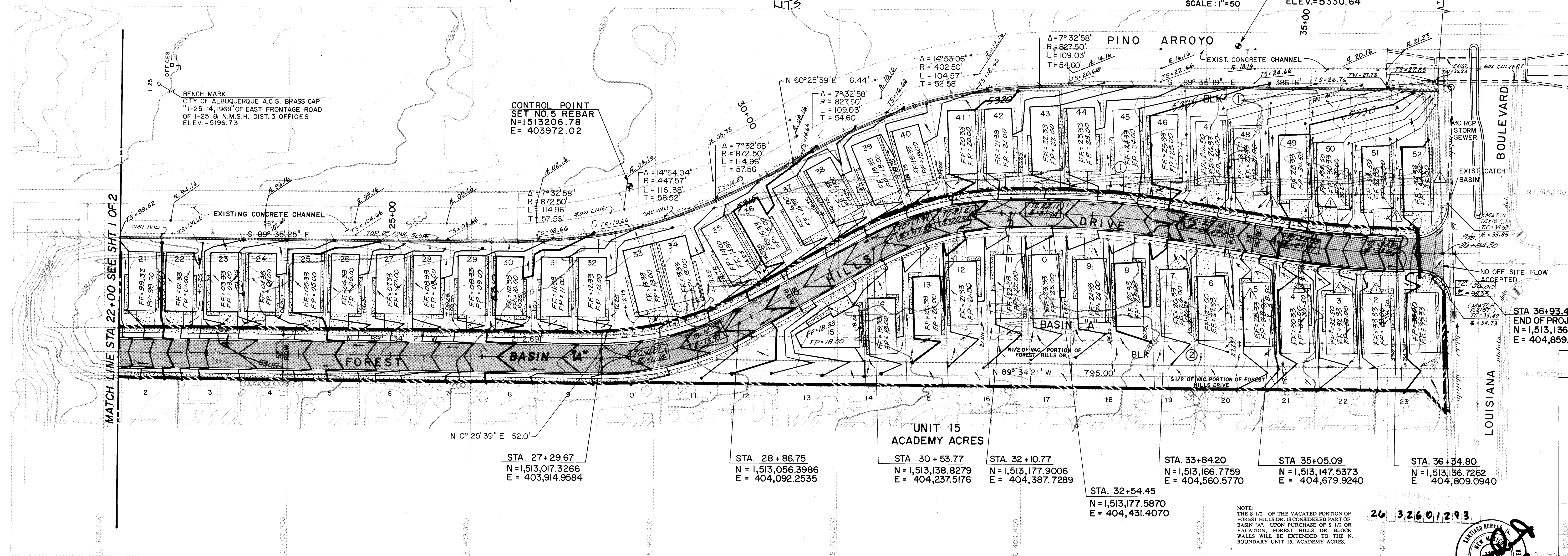
- CONTRACTOR SHALL PLAN HIS OPERATION TO MINIMIZE EROSION DURING THE CONSTRUCTION PHASE.
- THE ENGINEER WILL SUBMIT TO THE CITY OF ALBUQUERQUE, HYDROLOGY DEPT., A STATEMENT OF PROJECT COMPLETION WITH REFERENCE TO GENERAL COMPLIANCE WITH INFORMATION AND CRITERIA SET FORTH HEREIN.

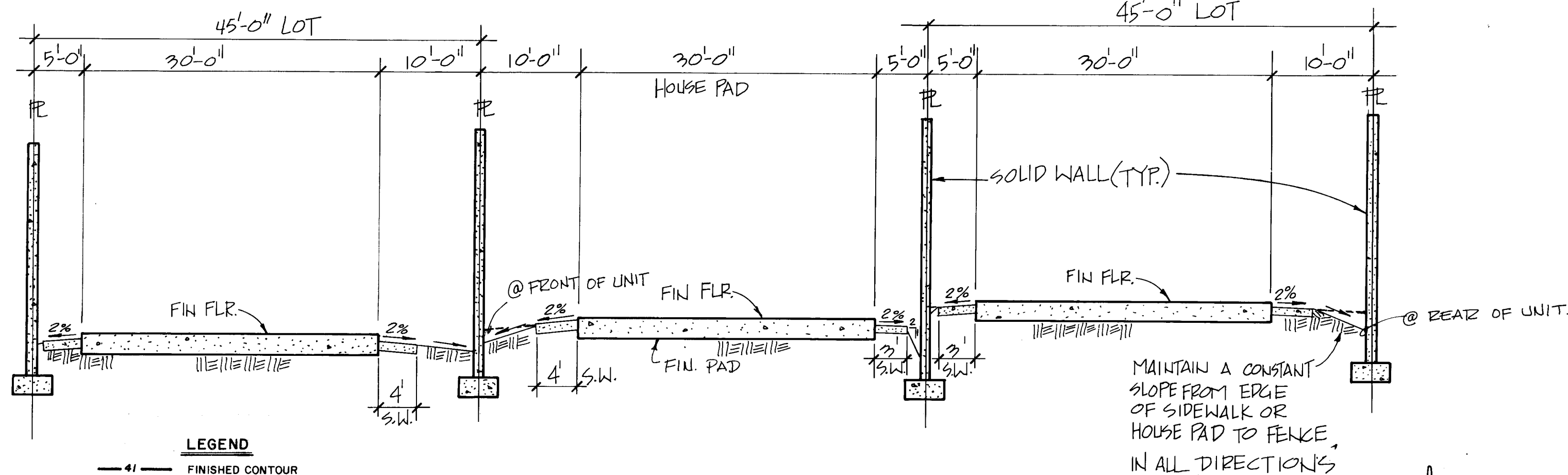
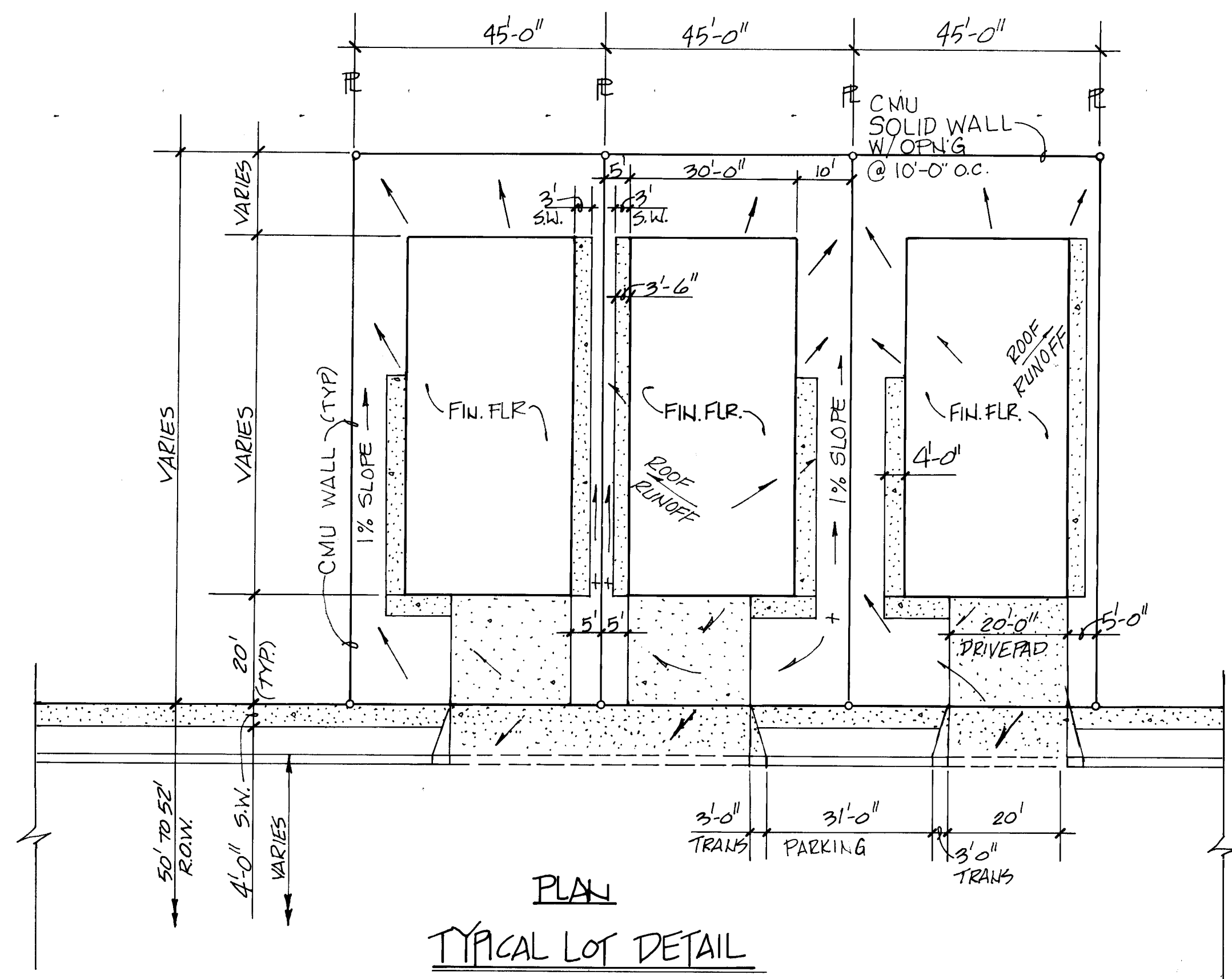
FIG IV



- LEGEND**
- 41 — FINISHED CONTOUR
 - 41 — EXISTING CONTOUR
 - 41 — FINISHED SPOT ELEV.
 - 41 — EXIST. SPOT ELEV.
 - 41 — FLOW LINE
 - 41 — EXIST. PAVEMENT
 - 41 — CONCRETE
 - 41 — EXIST. BUILDING
 - 41 — EXIST. CURB & GUTTER
 - 41 — PROPERTY LINE
 - 41 — T.C. TOP OF CURB
 - 41 — T.A. TOP OF ASPHALT

- EARTHWORK RECOMMENDATIONS**
(FROM "GEOLOGICAL ENGINEERING EVALUATION" PREPARED BY WESTERN TECHNOLOGIES, INC.)
- GENERAL**
- THE CONCLUSIONS CONTAINED IN THIS REPORT FOR THE PROPOSED CONSTRUCTION ARE CONTINGENT UPON COMPLIANCE WITH RECOMMENDATIONS PRESENTED IN THIS SECTION.
 - ALTHOUGH FILLS OR UNDERGROUND FACILITIES SUCH AS SEPTIC TANKS, CESSPOOLS, BASEMENTS, UTILITIES AND DRY WELLS WERE NOT OBSERVED, SUCH FEATURES MIGHT BE ENCOUNTERED DURING CONSTRUCTION.
- SITE PREPARATION**
- STRIP AND REMOVE EXISTING VEGETATION, DEBRIS, EXISTING FILL, AND OTHER DELETERIOUS MATERIALS FROM THE BUILDING AREAS. ALL EXPOSED SURFACES SHOULD BE FREE OF MOUNDS AND DEPRESSIONS WHICH COULD PREVENT UNIFORM COMPACTION.
 - SUBSEQUENT TO ROUGH GRADING AND PRIOR TO FILL BEING PLACED, THE EXPOSED SURFACES SHOULD BE MOISTENED AND COMPACTIONED WITH A MINIMUM OF 15 PASSES WITH A VIBRATORY ROLLER (10-TON MINIMUM).
- EXCAVATION**
- WE ANTICIPATE THAT EXCAVATIONS FOR THE PROPOSED CONSTRUCTION CAN BE ACCOMPLISHED WITH CONVENTIONAL EQUIPMENT.
- SLAB TURNDOWN PREPARATION**
- AFTER EXCAVATION OF SLAB TURNDOWNS, THE EXPOSED SURFACE IN THE TRENCH SHOULD BE COMPACTIONED.
- MATERIALS**
- CLEAN, ON-SITE NATIVE OR IMPORTED SOILS PLACED AT NEAR OPTIMUM MOISTURE CONDITIONS MAY BE USED AS FILL MATERIAL FOR THE FOLLOWING:
 - FOUNDATION AREAS
 - BACKFILL
 - FROZEN SOILS SHOULD NOT BE USED AS FILL OR BACKFILL.
 - IMPORTED SOILS SHOULD CONFORM TO THE FOLLOWING:
- GRADATION (ASTM C136)**
- | PERCENT FINER BY WEIGHT | NO. | MAXIMUM |
|-------------------------|-----------|---------|
| 100 | 25-100 | 100 |
| 60 | 40-100 | 60 |
| 40 | 100-200 | 40 |
| 25 | 200-400 | 25 |
| 10 | 400-600 | 10 |
| 5 | 600-1000 | 5 |
| 2 | 1000-2000 | 2 |
| 1 | 2000-4000 | 1 |
- POTENTIAL (%)**
- | POTENTIAL (%) | MAXIMUM SOLUBLE SULFATES (%) |
|---------------|------------------------------|
| 1.50 | 0.10 |
- MEASURED ON A SAMPLE COMPACTIONED TO APPROXIMATELY 95 PERCENT OF THE ASTM D1557 MAXIMUM DRY DENSITY AT A MINIMUM 3 PERCENT BELOW OPTIMUM WATER CONTENT. THE SAMPLE IS CONTAINED UNDER A 100 PSF SURCHARGE AND SUBMERGED.**
- PLACEMENT AND COMPACTION**
- PLACE AND COMPACT FILL IN HORIZONTAL LIFTS USING EQUIPMENT AND PROCEDURES THAT WILL PRODUCE RECOMMENDED WATER CONTENTS AND DENSITIES THROUGHOUT THE LIFT.
 - NO FILL SHOULD BE PLACED OVER FROZEN GROUND.
 - MATERIALS SHOULD BE COMPACTIONED TO THE FOLLOWING:
- CONFORMANCE**
- RECOMMENDATIONS FOR FOUNDATIONS SUPPORTED ON COMPACTIONED FILLS OR PREPARED SUBGRADE ARE DEPENDENT UPON CONFORMANCE TO "EARTHWORK" RECOMMENDATIONS. TO ASSESS COMPLIANCE WITH THESE RECOMMENDATIONS, QUALITY ASSURANCE SHOULD BE FULLY DOCUMENTED, FULL-TIME, AND SHOULD BE SUPERVISED BY A PROFESSIONAL ENGINEER. THESE SERVICES SHOULD BE CONTRACTED BY THE OWNER AND WILL NOT BE A PART OF THE CONSTRUCTION CONTRACT.





- LEGEND**
- 41 — FINISHED CONTOUR
 - 41 — EXISTING CONTOUR
 - 41 — FINISHED SPOT ELEV.
 - 41 — EXIST. SPOT ELEV.
 - 41 — FLOW LINE
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 - SUBSEQUENT TO ROUGH GRADING AND PRIOR TO FILL BEING PLACED, THE EXPOSED SURFACES SHOULD BE MOISTENED AND COMPACTIONED WITH A MINIMUM OF 15 PASSES WITH A VIBRATORY ROLLER (10-TON MINIMUM).
- EXCAVATION**
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- SLAB TURNDOWN PREPARATION**
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- MATERIALS**
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- GRADATION (ASTM C136)**
- | PERCENT FINER BY WEIGHT | NO. | MAXIMUM |
|-------------------------|----------|---------|
| 100 | 25-100 | 100 |
| 60 | 40-100 | 60 |
| 40 | 100-200 | 40 |
| 20 | 200-600 | 20 |
| 10 | 600-2000 | 10 |
- POTENTIAL (%)**
- | POTENTIAL (%) | MAXIMUM SOLUBLE SULFATES (%) |
|---------------|------------------------------|
| 1.50 | 0.10 |
- MEASURED ON A SAMPLE COMPACTIONED TO APPROXIMATELY 95 PERCENT OF THE ASTM D1557 MAXIMUM DRY DENSITY AT A MINIMUM 3 PERCENT BELOW OPTIMUM WATER CONTENT. THE SAMPLE IS CONTAINED UNDER A 100 PSF SURCHARGE AND SUBMERGED.**
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