

TORATOLLA ACRES

Albuquerque, New Mexico

SURVEYOR'S CERTIFICATION

"I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that the 'as-built' information shown on these drawings was obtained from field construction and 'as-built' surveys performed by me or under my supervision, that the 'as-built' information shown on these drawings was added by me or under my supervision, and that this 'as-built' information is true and correct to the best of my knowledge and belief." Aldrich Land Surveying is not responsible for any of the design concepts, calculations, engineering, or intent of the record drawings.

Timothy Aldrich
Timothy Aldrich, P.S. No. 7719

3-20-95
Date

Prepared for:
Toratolla, Ltd. Partnership
2500 Louisiana Blvd. NE Suite 310
Albuquerque, NM 87110

Prepared by:
Terry O. Brown, P.E.
P. O. Box 92051
Albuquerque, NM 87199

GENERAL NOTES:

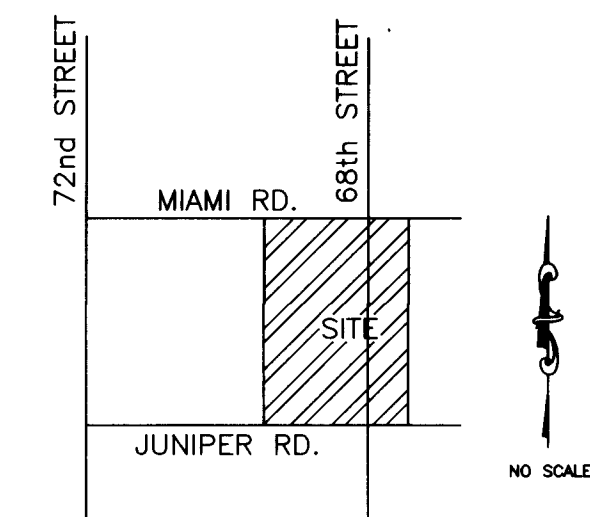
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION W/UPDATE #4.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE & VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM DELAY.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE @ 260-1990 FOR LOCATION OF EXISTING UTILITIES.
- CONTRACTOR SHALL SUPPORT ALL EXISTING UNDERGROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND / OR SEWERLINE COSTS.
- ALL STATIONING REFERS TO STREET CENTERLINE STATIONING.
- CONTRACTOR SHALL CONDUCT OPERATIONS IN A MANNER WHICH WILL MINIMIZE INTERFERENCE WITH LOCAL TRAFFIC. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS, AND ORDERS OF ANY PUBLIC BODY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OR PROPERTY, AND TO PROTECT THEM FROM DAMAGE, INJURY, OR LOSS. CONTRACTOR SHALL ERECT AND MAINTAIN, AS REQUIRED BY THE CONDITIONS AND PROGRESS OF THE WORK, ALL NECESSARY SAFEGUARDS FOR SAFETY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS, THROUGHOUT THE DURATION OF THE PROJECT. CONTRACTOR SHALL ADHERE TO SECTION 19 (CONSTRUCTION TRAFFIC CONTROL) OF THE GENERAL CONDITIONS OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION W/UPDATE #4.
- PROPOSED WATERLINE MATERIALS SHALL BE EITHER P.V.C. PIPE MEETING AWWA C900 REQUIREMENTS (6" - 12" DIAM.) OR DUCTILE IRON PIPE, THICKNESS CLASS 50 (6" - 16" DIAM.).

- THE CONTRACTOR AGREES THAT HE SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER & ENGINEER FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- 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.
- CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
- CONTRACTOR SHALL ASSIST THE ENGINEER / INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF RECORD DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN OBTAINED AND RECORDED.
- EXISTING CURB AND GUTTER NOT CALLED OUT TO BE REMOVED UNDER THE CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- ALL FITTINGS ON WATERLINES SHALL HAVE JOINT RESTRAINT IN ACCORDANCE WITH THE JOINT RESTRAINT LENGTHS TABLE ON SHEET 3 EXCEPT WHERE SPECIFICALLY INDICATED TO HAVE LOCKED MECHANICAL JOINTS OR CONCRETE BLOCKING.

- THE CONTRACTOR SHALL SUPPORT AND MAINTAIN THE INTEGRITY OF ALL UTILITIES AT NO ADDITIONAL COST TO THE OWNER. ANY UTILITY RELOCATION THAT IS NECESSARY IS TO BE COORDINATED WITH THE UTILITY OWNER AND SHALL BE PAID FOR AS OUTLINED IN THE SPECIAL PROVISIONS OF THE CONTRACT DOCUMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND MAINTAINING ALL EXISTING MONUMENTATION CONTROLS. IN THE EVENT OF INADVERTENT DESTRUCTION OR ALTERATION, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE CITY CHIEF SURVEYOR.
- PNM (PUBLIC SERVICE CO. OF NEW MEXICO) WILL PROVIDE AT NO COST TO THE CITY OR TO THE CONTRACTOR THE REQUIRED PERSONNEL FOR INSPECTION OR OBSERVATION DEEMED NECESSARY BY PNM WHILE THE CONTRACTOR IS EXPOSING PNM'S CABLES. HOWEVER, THEN CONTRACTOR SHALL BE CHARGED THE TOTAL COST ASSOCIATED WITH REPAIRS TO ANY DAMAGES CABLES OR FOR ANY COST ASSOCIATED WITH SUPPORTING OR RELOCATING THE POLES AND CABLES DURING CONSTRUCTION.?
- ** WARNING ** - EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION OF ANY SUCH EXISTING LINES IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANY, THE OWNER, OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.

THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM HIMSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES, IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.

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VICINITY MAP H-10-Z

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SCANNED BY
BY LASON

26 49.50. 900 195

APPROVAL OF AS-BUILT DRAWINGS
DATE 3-29-95

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TORATOLLA SUBDIVISION
IMPROVEMENT PLANS

Terry O. Brown, P.E.
P. O. Box 92051
Albuquerque, NM 87199
(505) 883-8807

APPROVED FOR
CONSTRUCTION

9-26-94

PROJECT NO. 4950.90 MAP NO. H-10-Z SHEET OF 1 15

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PLAT OF TORATOLLA ACRES UNIT ONE

TOGETHER WITH A PORTION OF VACATED
PUBLIC RIGHT-OF-WAYCITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
JULY 1994

LEGAL DESCRIPTION

A TRACT OF LAND SITUATE WITHIN THE TOWN OF ATRISCO GRANT, PROJECTED SECTION 10, TOWNSHIP 10 NORTH, RANGE 2 EAST, NEW MEXICO PRINCIPAL MERIDIAN WITHIN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO BEING ALL OF TRACT 322, 325 AND 326, UNIT NO. 8, TOWN OF ATRISCO GRANT AS THE SAME IS SHOWN AND DESIGNATED ON SAID PLAT FILED FOR RECORD IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO, ON DECEMBER 5, 1944, IN VOLUME D, FOLIO 117 AND ALL OF TRACTS 323A, 323B, 324A, AND 324B, UNIT NO. 8, TOWN OF ATRISCO GRANT AS THE SAME IS SHOWN AND DESIGNATED ON SAID PLAT FILED FOR RECORD IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON AUGUST 11, 1976 IN VOLUME B11, FOLIO 168 TOGETHER WITH A PORTION OF 68TH STREET NW AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF THE HEREIN DESCRIBED TRACT, SAID POINT BEING COMMON WITH THE NORTHWEST CORNER OF TRACT 321, UNIT NO. 8, TOWN OF ATRISCO GRANT, AND FURTHER BEING ON THE SOUTHERLY RIGHT-OF-WAY LINE OF MIAMI ROAD NW FROM WHENCE THE ALBUQUERQUE CONTROL SURVEY MONUMENT "2-H10" BEARS N 85°58'58" E, 837.10 FEET;

THENCE LEAVING SAID RIGHT-OF-WAY LINE ALONG THE WESTERLY LINE OF SAID TRACT 321 S 00°37'56" W, 1036.81 FEET TO THE SOUTHEAST CORNER, SAID POINT BEING COMMON WITH THE SOUTHWEST CORNER OF SAID TRACT 321, AND FURTHER BEING ON THE NORTHERLY RIGHT-OF-WAY LINE OF JUNIPER ROAD NW;

THENCE LEAVING SAID WESTERLY LINE ALONG SAID RIGHT-OF-WAY LINE N 89°20'22" W, 1109.32 FEET TO THE SOUTHWEST CORNER, SAID POINT BEING COMMON WITH THE SOUTHEAST CORNER OF TRACT 327, UNIT NO. 8, TOWN OF ATRISCO GRANT;

THENCE LEAVING SAID RIGHT-OF-WAY LINE ALONG THE EASTERLY LINE OF SAID TRACT 327 N 00°37'35" E, 1036.46 FEET TO THE NORTHWEST CORNER, SAID POINT BEING COMMON WITH THE NORTHEAST CORNER OF SAID TRACT 327, AND FURTHER BEING ON THE SOUTHERLY RIGHT-OF-WAY LINE OF MIAMI ROAD NW;

THENCE ALONG SAID RIGHT-OF-WAY LINE S 89°21'28" E, 1109.43 FEET TO THE POINT OF BEGINNING AND CONTAINING 26.4008 ACRES MORE OR LESS.

FREE CONSENT AND DEDICATION

THE SUBDIVISION SHOWN HEREON IS WITH THE 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 ALL STREETS AND PUBLIC RIGHTS-OF-WAY SHOWN HEREON TO THE CITY OF ALBUQUERQUE IN FEE SIMPLE WITH WARRANTY COVENANTS AND DO HEREBY GRANT: ALL ACCESS, UTILITY AND DRAINAGE EASEMENTS SHOWN HEREON INCLUDING THE RIGHT TO CONSTRUCT, OPERATE, INSPECT, AND MAINTAIN FACILITIES THEREIN; AND ALL PUBLIC UTILITY EASEMENTS SHOWN HEREON FOR THE COMMON AND JOINT USE OF GAS, ELECTRICAL POWER AND COMMUNICATION SERVICES FOR BURIED DISTRIBUTION LINES, CONDUITS, AND PIPES FOR UNDERGROUND UTILITIES WHERE SHOWN OR INDICATED; AND INCLUDING THE RIGHT OF INGRESS AND EGRESS FOR CONSTRUCTION AND MAINTENANCE, AND THE RIGHT TO TRIM INTERFERING TREES AND SHRUBS. SAID OWNER(S) AND/OR PROPRIETOR(S) DO HEREBY CONSENT TO ALL OF THE FOREGOING AND DO HEREBY CERTIFY THAT THIS SUBDIVISION IS THEIR FREE ACT AND DEED.

OWNERS

TORATOLLA PARTNERS

PHILLIP C. WARD, GEN. PARTNER

ACKNOWLEDGEMENT

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) SS

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS ____ DAY OF

____, 19____ BY: _____

MY COMMISSION EXPIRES _____

NOTARY PUBLIC

APPROVALS: S-94-14 DRB NO.: 93-300

PUBLIC SERVICE COMPANY OF NEW MEXICO	DATE
GAS COMPANY OF NEW MEXICO	DATE
U.S. WEST COMMUNICATIONS	DATE
JONES INTERCABLE	DATE
CITY SURVEYOR, ENGR. DIV., P.U.D.	DATE
TRAFFIC ENGINEERING, TRANS. DEV. DIV., P.W.D.	DATE
PARKS & GENERAL SERVICES DEPARTMENT	DATE
UTILITY DEVELOPMENT DIV., P.W.D.	DATE
REAL PROPERTY DIVISION, G.S.D.	DATE
A.M.A.F.C.A.	DATE
CITY ENGINEER, PUBLIC WORKS DEPT.	DATE

APPROVAL AND CONDITIONAL ACCEPTANCE AS SPECIFIED BY THE ALBUQUERQUE SUBDIVISION ORDINANCE, ARTICLE XI OF THE REVISED ORDINANCES OF ALBUQUERQUE, N.M.

CITY PLANNER, ALBUQUERQUE PLANNING DIVISION DATE

SURVEYOR'S CERTIFICATION

"I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that this plat and description were prepared by me or under my supervision, shows all easements as shown on the plat of record or made known to me by the owners and/or proprietors of the subdivision shown hereon, utility companies and other parties expressing an interest and meets the minimum requirements for monumentation and surveys of the Albuquerque Subdivision Ordinance, and further meets the Minimum Standards for Land Surveying in the State of New Mexico (Effective November 1, 1989 and revisions effective December 25, 1991 and February 2, 1994), and is true and correct to the best of my knowledge and belief."

Timothy Aldrich, P.S. No. 7719

Date

SHEET 1 OF 2

TR.353 UNIT 8 TOWN OF ATRISCO GRANT (C20-61, 10-6-82) TR.352 UNIT 8 TOWN OF ATRISCO GRANT (C20-61, 10-6-82) TR.351 UNIT 8 TOWN OF ATRISCO GRANT (C20-61, 10-6-82) TR.350 UNIT 8 TOWN OF ATRISCO GRANT (C20-61, 10-6-82) TR.349 UNIT 8 TOWN OF ATRISCO GRANT (C20-61, 10-6-82) TR.348 UNIT 8 TOWN OF ATRISCO GRANT (D-117, 12-5-44) TR.347 UNIT 8 TOWN OF ATRISCO GRANT (D-117, 12-5-44)

PLAT OF TORATOLLA ACRES UNIT ONE

TOGETHER WITH A PORTION OF VACATED
PUBLIC RIGHT-OF-WAYCITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
JULY 1994

CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA
C1	25.00	38.27	90°00'00"
C2	25.00	38.28	89°58'52"
C3	25.00	13.08	28°55'35"
C4	50.00	10.94	12°55'01"
C5	50.00	38.58	41°43'50"
C6	50.00	29.77	34°06'31"
C7	50.00	32.31	37°01'39"
C8	50.00	21.18	24°16'21"
C9	25.00	13.08	28°55'35"
C10	50.00	13.40	03°53'27"
C11	25.00	11.08	28°55'35"
C12	50.00	37.50	42°58'28"
C13	50.00	30.90	35°26'14"
C14	50.00	43.82	50°13'03"
C15	50.00	15.11	17°19'08"
C16	25.00	13.07	28°57'02"
C17	25.00	39.28	90°01'08"
C18	25.00	39.28	89°58'52"
C19	25.00	39.28	89°58'52"
C20	25.00	39.28	89°58'52"
C21	50.00	75.54	89°58'52"
C22	25.00	20.38	48°42'29"
C23	25.00	20.38	48°42'29"
C24	45.00	28.43	36°11'46"
C25	45.00	31.73	41°20'48"
C26	45.00	30.97	39°25'53"
C27	45.00	30.97	39°25'53"
C28	45.00	30.97	39°25'53"
C29	45.00	31.73	41°20'48"
C30	45.00	28.46	36°14'02"
C31	25.00	20.38	48°42'29"
C32	25.00	20.38	48°42'29"
C33	25.00	75.54	89°58'52"
C34	25.00	39.28	89°58'52"
C35	25.00	39.28	89°58'52"
C36	25.00	20.38	48°42'29"
C37	45.00	18.01	22°56'13"
C38	45.00	42.89	54°36'20"
C39	45.00	30.97	39°25'53"
C40	45.00	30.97	39°25'53"
C41	45.00	30.97	39°25'53"
C42	45.00	28.47	41°20'48"
C43	45.00	28.47	41°20'48"
C44	25.00	20.38	48°42'29"
C45	25.00	39.28	90°01'08"
C46	25.00	39.28	89°58'52"
C47	75.00	117.83	90°01'08"
C48	50.00	130.79	89°58'52"
C49	45.00	214.74	273°24'59"
C50	45.00	130.75	149°50'02"
C51	50.00	130.75	149°50'02"
C52	45.00	214.74	273°24'59"

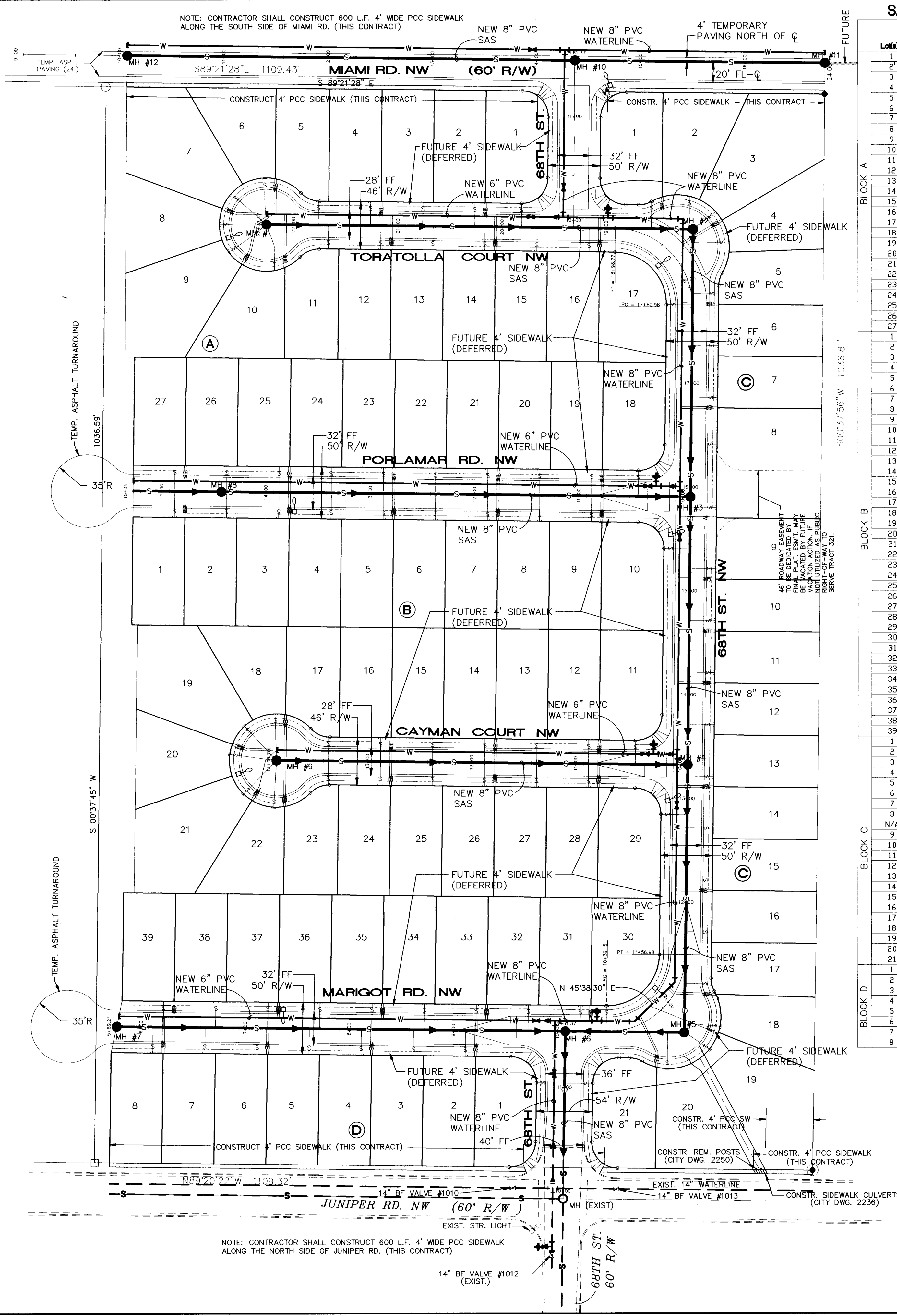
PUBLIC UTILITY EASEMENTS

PUBLIC UTILITY EASEMENTS SHOWN ON THIS PLAT ARE GRANTED FOR THE COMMON AND JOINT USE OF:

- THE 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.
- 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.
- JONES INTERCABLE FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF SUCH LINES, CABLE, AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE CABLE SERVICE.
- GAS COMPANY OF NEW MEXICO FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF SUCH DISTRIBUTION AND SERVICE LINES AND FACILITIES REASONABLY NECESSARY TO PROVIDE GAS 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 EASEMENT 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 OR OTHER STRUCTURE SHALL BE ERRECTED 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 OF POOLS, DECKING, OR ANY STRUCTURES ADJACENT TO OR NEAR EASEMENTS SHOWN ON THIS PLAT.

SHEET 2 OF 2



SANITARY SEWER SERVICE TABLE					
Lot(s)	Street Stationing	Station	Offset	Approx. Elev. Ft. Curb	S&S Service Inv Elevation + Prop Line
2	Toratolla Court	19+48.74	23'R	5116.15	5116.15
3	Toratolla Court	20+33.74	23'R	5116.39	5116.39
4	Toratolla Court	20+83.74	23'R	5116.62	5116.62
5	Toratolla Court	21+33.73	23'R	5116.87	5116.87
6	Toratolla Court	21+83.73	23'R	5117.12	5117.12
7	Toratolla Court	N/A	N/A	5117.37	5117.37
8	Toratolla Court	N/A	N/A	5117.63	5117.63
9	Toratolla Court	N/A	N/A	5117.88	5117.88
10	Toratolla Court	22+55.28	44.5'L	5117.32	5117.32
11	Toratolla Court	21+73.79	23'L	5117.07	5117.07
12	Toratolla Court	21+23.79	23'L	5116.82	5116.82
13	Toratolla Court	20+73.79	23'L	5116.57	5116.57
14	Toratolla Court	20+23.79	23'L	5116.33	5116.33
15	Toratolla Court	19+73.79	23'L	5116.08	5116.08
16	Toratolla Court	19+23.79	23'L	5115.76	5115.76
17	68th Street	17+83.98	25'L	5114.83	5114.83
18	Parlan Road	10+50.02	25'R	5114.14	5114.14
19	Parlan Road	10+95.01	25'R	5114.37	5114.37
20	Parlan Road	11+45.01	25'R	5114.62	5114.62
21	Parlan Road	11+95.01	25'R	5114.87	5114.87
22	Parlan Road	12+45.01	25'R	5115.12	5115.12
23	Parlan Road	12+95.01	25'R	5115.37	5115.37
24	Parlan Road	13+45.01	25'R	5115.62	5115.62
25	Parlan Road	13+95.01	25'R	5115.87	5115.87
26	Parlan Road	14+45.01	25'R	5116.12	5116.12
27	Parlan Road	14+95.01	25'R	5116.37	5116.37
1	Parlan Road	14+95.01	25'L	5116.12	5116.12
2	Parlan Road	13+95.01	25'L	5115.87	5115.87
3	Parlan Road	13+45.01	25'L	5115.62	5115.62
4	Parlan Road	12+95.01	25'L	5115.37	5115.37
5	Parlan Road	12+45.01	25'L	5115.12	5115.12
6	Parlan Road	11+95.01	25'L	5114.87	5114.87
7	Parlan Road	11+45.01	25'L	5114.62	5114.62
8	Parlan Road	10+95.01	25'L	5114.37	5114.37
9	Parlan Road	10+50.02	25'L	5114.14	5114.14
10	68th Street	15+47.98	25'L	5109.64	5109.64
11	Cayman Court	10+50.02	23'R	5112.83	5112.83
12	Cayman Court	10+95.01	23'R	5113.06	5113.06
13	Cayman Court	11+45.01	23'R	5113.31	5113.31
14	Cayman Court	11+95.01	23'R	5113.56	5113.56
15	Cayman Court	12+45.01	23'R	5113.81	5113.81
16	Cayman Court	12+95.01	23'R	5114.06	5114.06
17	Cayman Court	13+45.01	23'R	5114.31	5114.31
18	Cayman Court	N/A	N/A	5114.55	5114.55
19	Cayman Court	N/A	N/A	5114.69	5114.69
20	Cayman Court	N/A	N/A	5114.83	5114.83
21	Cayman Court	N/A	N/A	5114.97	5114.97
22	Cayman Court	N/A	N/A	5115.11	5115.11
23	Cayman Court	13+44.99	23'R	5114.30	5114.30
24	Cayman Court	12+95.01	23'R	5114.06	5114.06
25	Cayman Court	12+45.01	23'R	5113.81	5113.81
26	Cayman Court	11+95.01	23'R	5113.56	5113.56
27	Cayman Court	11+45.01	23'R	5113.31	5113.31
28	Cayman Court	10+95.01	23'R	5113.06	5113.06
29	68th Street	12+91.98	25'L	5112.35	5112.35
30	Marigot Road	10+39.15	25'L	5110.66	5110.66
31	Marigot Road	10+14.17	25'L	5110.79	5110.79
32	Marigot Road	9+64.17	25'L	5110.04	5110.04
33	Marigot Road	9+14.17	25'L	5111.29	5111.29
34	Marigot Road	8+64.17	25'L	5111.54	5111.54
35	Marigot Road	8+14.17	25'L	5111.80	5111.80
36	Marigot Road	7+64.17	25'L	5112.05	5112.05
37	Marigot Road	7+14.17	25'L	5112.30	5112.30
38	Marigot Road	6+64.17	25'L	5112.55	5112.55
39	Marigot Road	6+14.17	25'L	5112.80	5112.80
1	Toratolla Court	18+73.80	32.22'R	5115.43	5115.43
2	Toratolla Court	18+54.65	53.29'R	5115.30	5115.30
3	68th Street	18+38.04	58.29'R	5115.19	5115.19
4	68th Street	18+20.22	51.19'R	5115.07	5115.07
5	68th Street	17+90.69	25.84'R	5114.87	5114.87
6	68th Street	17+44.00	25'R	5114.62	5114.62
7	68th Street	16+94.00	25'R	5114.37	5114.37
8	68th Street	16+34.00	25'R	5114.07	5114.07
N/A	68th Street	15+88.00	25'R	5113.82	5113.82
9	68th Street	15+29.00	25'R	5113.52	5113.52
10	68th Street	14+79.00	25'R	5113.27	5113.27
11	68th Street	14+29.00	25'R	5113.02	5113.02
12	68th Street	13+79.00	25'R	5112.77	5112.77
13	68th Street	13+29.00	25'R	5112.52	5112.52
14	68th Street	12+79.00	25'R	5112.26	5112.26
15	68th Street	12+29.00	25'R	5112.01	5112.01
16	68th Street	11+79.00	25'R	5111.76	5111.76
17	68th Street	11+36.85	30.62'R	5111.47	5111.47
18	68th Street	11+16.99	52.5'R	5111.31	5111.31
19	68th Street	11+01.89	60.56'R	5111.14	5111.14
20	Marigot Road	10+75.91	50.55'R	5110.98	5110.98
21	68th Street	11+11.35	27'R	5110.40	5110.40
1	68th Street	11+11.39	27'L	5110.40	5110.40
2	Marigot Road	9+04.25	25'R	5111.34	5111.34
3	Marigot Road	8+54.25	25'R	5111.59	5111.59
4	Marigot Road	8+04.25	25'R	5111.85	5111.85
5	Marigot Road	7+54.25	25'R	5112.10	5112.10
6	Marigot Road	7+04.25	25'R	5112.35	5112.35
7	Marigot Road	6+54.25	25'R	5112.60	5112.60
8	Marigot Road	6+04.25	25'R	5112.85	5112.85

WATER SERVICE TABLE					
Lot(s)	Block	Street	Station	LI/RT	Single/Double Service
1 & 2	A	Toratolla Court	20+23.73	Rt.	Double
3 & 4	A	Toratolla Court	21+23.73	Rt.	Double
5 & 6	A	Toratolla Court	22+23.73	Rt.	Double
7 & 8	A	Toratolla Court	n/a	Rt.	Double
9 & 10	A	Toratolla Court	n/a	Rt.	Double
11	A	Toratolla Court	22+15.28	Lt.	Single
12 & 13	A	Toratolla Court	21+13.79	Lt.	Double
14 & 15	A	Toratolla Court	20+13.79	Lt.	Double
16 & 17	A	Toratolla Court	19+13.79	Lt.	Double
18 & 19	A	Parlan Road	10+85.01	Rt.	Double
20 & 21	A	Parlan Road	11+85.01	Rt.	Double
22 & 23	A	Parlan Road	12+85.01	Rt.	Double
24 & 25	A	Parlan Road	13+85.01	Rt.	Double
26 & 27	A	Parlan Road	14+85.01	Rt.	Double
1 & 2	B	Parlan Road	14+84.99	Lt.	Double
3 & 4	B	Parlan Road	13+84.99	Lt.	Double
5 & 6	B	Parlan Road	12+84.99	Lt.	Double
7 & 8	B	Parlan Road	11+84.99	Lt.	Double
9 & 10	B	Parlan Road	10+84.99	Lt.	Double
11 & 12	B	Cayman Court	10+85.01	Rt.	Double
13 & 14	B	Parlan Road	11+85.01	Rt.	Double
15 & 16	B	Parlan Road	12+85.01	Rt.	Double
17 & 18	B	Parlan Road	13+86.51	Rt.	Double
19 & 20	B	Parlan Road	n/a	Double	
21 & 22	B	Parlan Road	n/a	Double	
23	B	Parlan Road	13+86.49	Lt.	Single
24 & 25	B	Parlan Road	12+84.99	Lt.	Double
26 & 27	B	Parlan Road	11+84.99	Lt.	Double
28 & 29	B	Parlan Road	10+84.99	Lt.	Double
30 & 31	B	Marigot Road	10+24.17	Lt.	Double
32 & 33	B	Marigot Road	9+24.17	Lt.	Double
34 & 35	B	Marigot Road	8+24.17	Lt.	Double
36 & 37	B	Marigot Road	7+24.17	Lt.	Double
38 & 39	B	Marigot Road	6+24.17	Lt.	Double
1 & 2	C	Toratolla Court	18+68.57	Rt.	Double
3 & 4	C	68th Street	18+32.41	Rt.	Double
5 & 6	C	68th Street	17+83.25	Rt.	Double
7 & 8	C	68th Street	16+84.00	Rt.	Double
FUTURE	C	68th Street	15+78.00	Rt.	PIPE ONLY
9	C	68th Street	15+19.00	Rt.	Single
10	C	68th Street	14+69.00	Rt.	Single
11 & 12	C	68th Street	14+19.00	Rt.	Double
13 & 14	C	68th Street	13+19.00	Rt.	Double
15 & 16	C	68th Street	12+19.00	Rt.	Double
17 & 18	C	68th Street	11+30.88	Rt.	Double
19	C	68th Street	11+11.00	Rt.	Single
20 & 21	C	Marigot Road	10+19.95	Rt.	Double
1 & 2	D	Marigot Road	9+14.25	Rt.	Double
3 & 4	D	Marigot Road	8+14.25	Rt.	Double
5 & 6	D	Marigot Road	7+14.25	Rt.	Double
7 & 8	D	Marigot Road	6+14.25	Rt.	Double

LEGEND

EXISTING CURB & GUTTER = ---

NEW CURB & GUTTER = ---

NEW SAS MAINLINE = ---S---

NEW SAS SERVICE LINE = ---S---

NEW SAS MANHOLE & NUMBER = MH #1

NEW WATER MAINLINE = ---W---

NEW WATER SERVICE LINE (DBL) = ---W---

NEW WATER SERVICE LINE (SGL) = ---W---

NEW GATE VALVE = [Symbol]

NEW FIRE HYDRANT = [Symbol]

NEW STREET LIGHT = [Symbol]

NEW VALLEY GUTTER = [Symbol]

WATER VALVE SHUTOFF PLAN

THE FOLLOWING EXISTING VALVES AT THE INTERSECTION OF JUNIPER / 68TH ST. SHALL BE SHUT OFF TO MAKE THE TIE OF THE NEW WATERLINE INTO THE EXISTING 14" WATERLINE:

VALVE # H10-1010

VALVE # H10-1012

VALVE # H10-1013

CONTACT WATER SYSTEMS (857-8200) FOR WATER VALVE SHUTOFFS.

ONLY WATER SYSTEMS DIVISION OPERATIONS PERSONNEL ARE AUTHORIZED TO OPERATE THE EXISTING WATER SYSTEM VALVES. THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH THE OPERATIONS PERSONNEL AT 857-8200 THREE (3) WORKING DAYS PRIOR TO THE PROPOSED SHUT-OFF SCHEDULE. SEE ALSO SECTION 18.2 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.

RESTRAINED JOINT LENGTHS Lr, FOR TEES, (FT.)				
ALL JOINTS AT THE TEE MUST BE RESTRAINED.				
SIZE	MINIMUM RUN LENGTH RUN	MINIMUM RUN LENGTH BRANCH	MINIMUM RUN LENGTH RUN	MINIMUM RUN LENGTH BRANCH
12x12x12	15	17	18	3
12x12x10	10	18	13	1
12x12x8	6	19	8	5
12x12x6	3	19	5	1
12x12x4	1	19	2	6
10x10x10	12	18	15	5
10x10x8	8	15	10	4
10x10x6	4	16	6	1
10x10x4	2	4	3	1
8x8x8	9	20	13	3
8x8x6	5	17	7	5
8x8x4	2	15	3	7
6x6x6	6	20	10	2
6x6x4	2	20	4	7

Note - This table is based upon the following criteria:

Depth of Bury 3.0 ft. minimum

Factor of Safety 1.25

Material PVC Pipe

Soil Type GM/SW - Silty gravels & silty sands, gravel-sand-silt mixtures.

Test Pressure 150 psi

Trench Type 4 Pipe bedded in sand, gravel, or crushed stone to depth of 1/8 pipe diameter, 4 inch minimum; backfill compacted to top of pipe

Different criteria, e.g., ductile iron pipe, greater depth of bury, etc., will require different restrained lengths. These must be calculated by a qualified Professional Engineer and approved by the Public Works Department.

RESTRAINED JOINT LENGTHS Lr, FOR HORIZONTAL BENDS, VALVES, AND DEAD ENDS, (FT.)				
HORIZONTAL BENDS				
SIZE	90°	45°	22-1/2°	11-1/4°
12	30	12	6	3
10	26	10	5	3
8	22	9	4	2
6	17	7	3	2
4	12	5	2	1

RESTRAINED JOINT LENGTHS, Lr, FOR REDUCERS, (FT.)				
MINIMUM, UNRESTRAINED, STRAIGHT-RUN LENGTH: RESTRAIN EITHER LARGE PIPE OR SMALL PIPE.				
SIZE	LARGE SIDE	SMALL SIDE	SIZE	SMALL SIDE
12 x 10	25	30	10 x 6	44
12 x 8	45	68	10 x 4	58
12 x 6	62	121	8 x 6	25
12 x 4	74	213	8 x 4	43
10 x 8	24	30	6 x 4	24

CONTRACTOR INFORMATION

CONTRACTOR: SANDACE

DATE: 9/15

STARED BY: A.S. INC.

INSPECTOR: A.S. INC.

FIELD ENGINEER: A.S. INC.

VERIFICATION BY: A.S. INC.

CORRECTED BY: A.S. INC.

RECORDED BY: A.S. INC.

NO.

BENCH MARKS

ACS MONUMENT "B-10" 3-1/4" ALUMINUM CAP IN THE CENTER MEDIAN OF I-40, 0.81 MILES WEST OF COORS BLVD. ELEVATION: 5117.13, S.D. 1929

SURVEY INFORMATION

DATE: 9/15

FIELD NOTES: NO.

BY: NO.

ENGINEER'S SEAL

REMARKS: RFT/15/10/15

DESIGN: DATE: 07/94

DRAWN BY: TOB

CHECKED BY: TOB

DATE: 07/94

DATE: 07/94

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING GROUP

TITLE: TORATOLLA ACRES SITE PAVING / UTILITY PLAN

APPROVALS: ENGINEER DATE: 8-24-94

DRC CHAIRMAN: 8-24-94

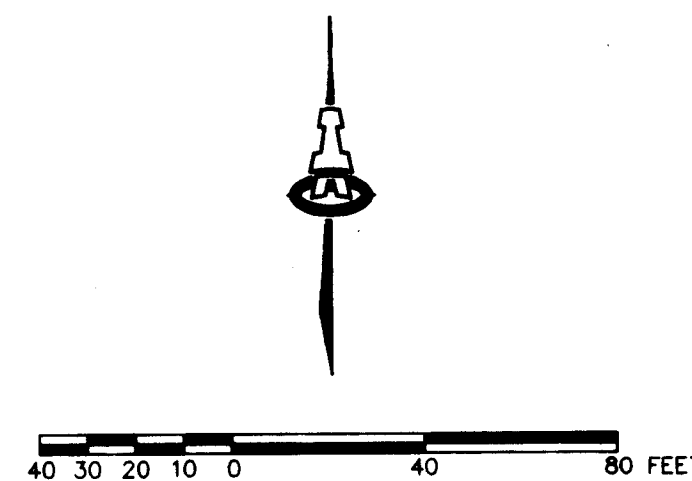
TRANSPORTATION: 8-24-94

HYDROLOGY: N/A SMC 8-24-94

PROJECT NO. 4950.90

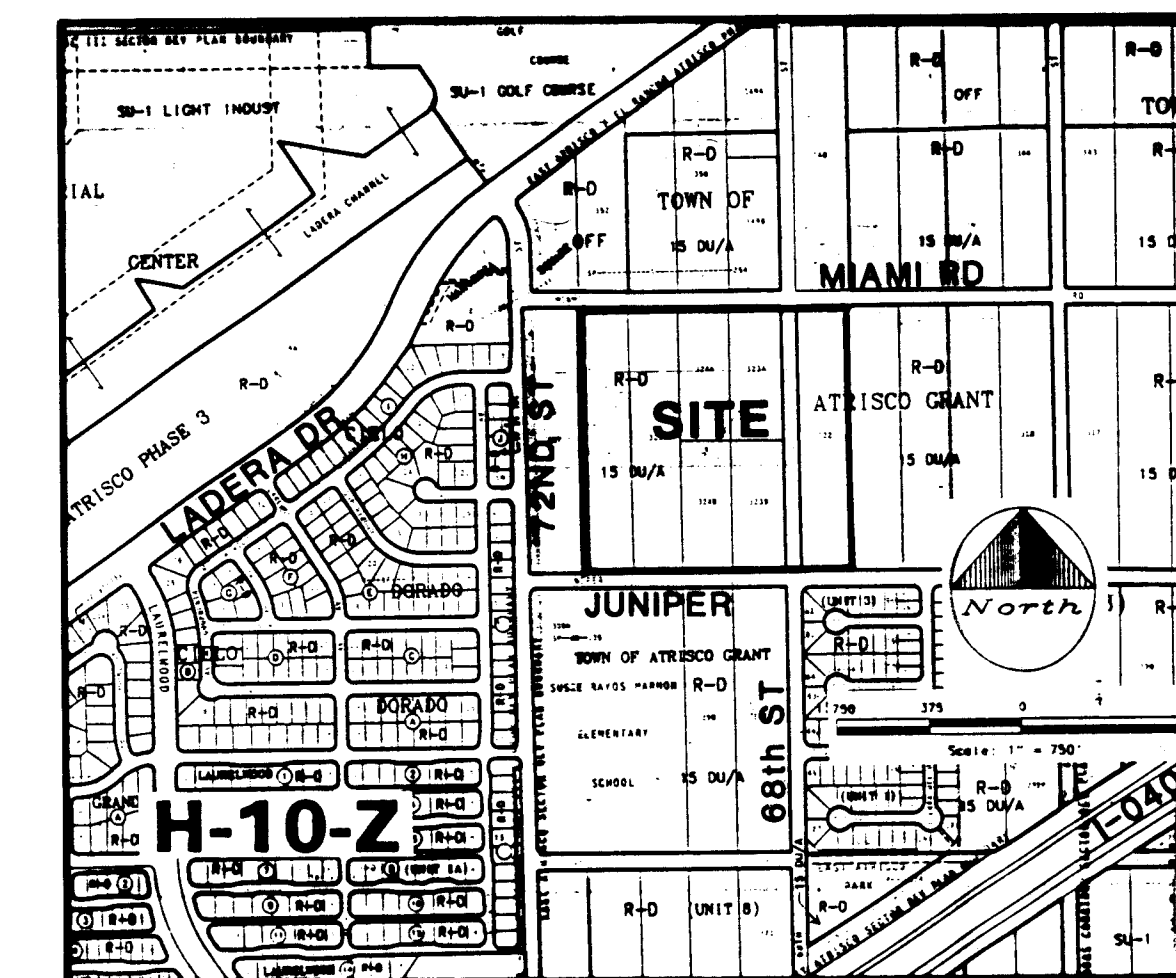
MAP NO. H-10-Z

SHEET 3 OF 15



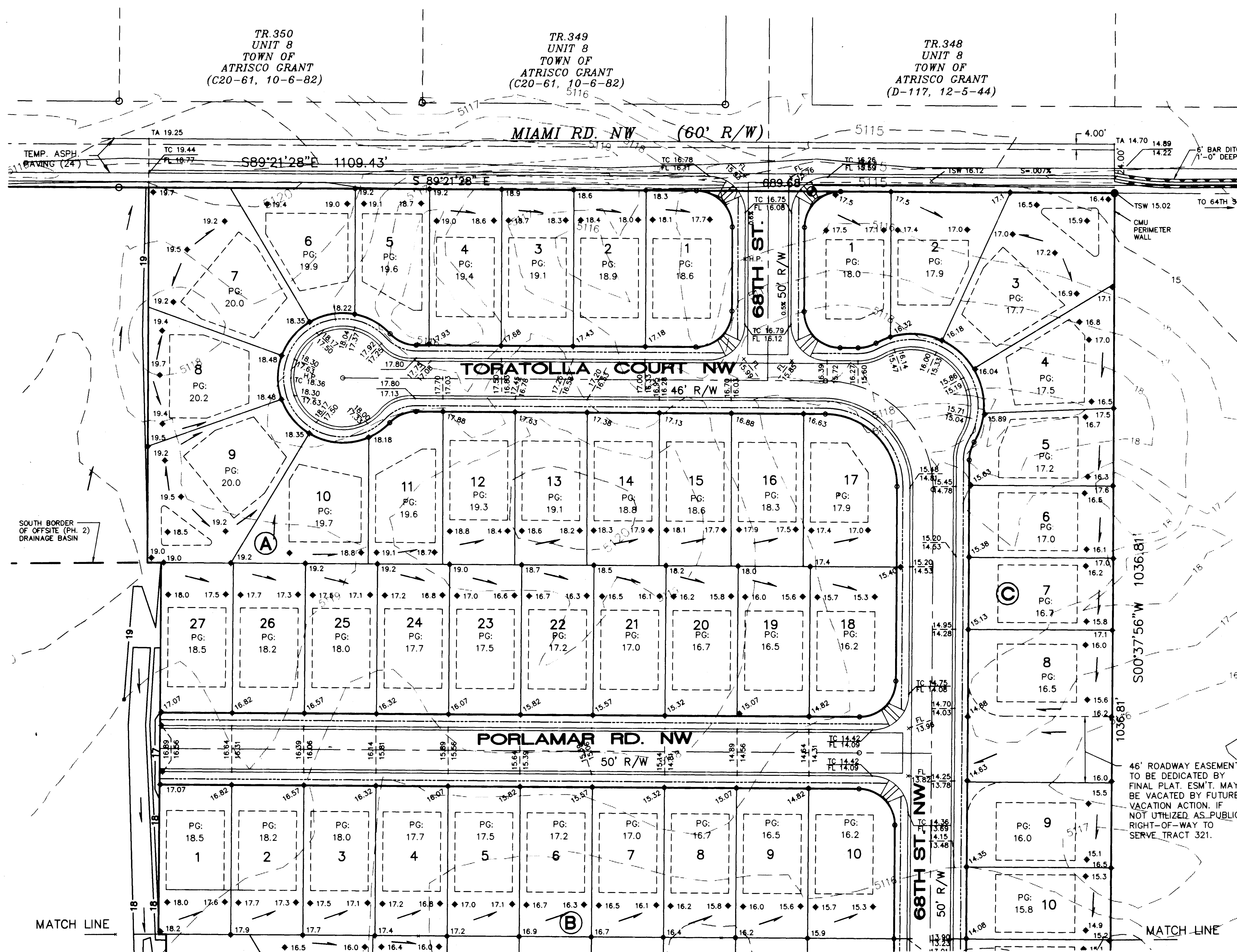
LEGEND

- FND. RBR.W/CAP "LS 10025"
- FND. 1" PIPE
- SET 5/8" RBR.W/CAP ALS "LS 7719"
- FND.1/2" RBR.
- FND.RBR.W/CAP "LS 6446"
- EXISTING CURB & GUTTER
- EXISTING SPOT ELEV.
- EXISTING CONTOUR
- PROPERTY LINE/CORNER
- RIGHT-OF-WAY
- CURB & GUTTER
- STREET CENTERLINE
- TC EL. OVER FLOWLINE EL.
- FUTURE PCC SDWK.
- PROPOSED CONTOUR
- PROPOSED SPOT ELEV.
- FL FLOW LINE ELEV.
- PG: PAD GRADE
- FLOW DIRECTIONAL ARROW
- OFFSITE EARTHEN DRAINAGE SWALE
- DRAINAGE BASIN
- PHASE LINE



VICINITY MAP

SCALE: 1"=750'



GENERAL NOTES

LEGAL DESCRIPTION: TRACT 322, UNIT NO. 8, TOWN OF ATRISCO GRANT, FILED IN VOL. 0, FOLIO 117 ON DECEMBER 5, 1944; TRACTS 323A, 323B, 324A, AND 324B, FILED IN VOL. 811, FOLIO 168 AND TOGETHER WITH A VACATED PORTION OF 68TH STREET BETWEEN MIAMI ROAD NW AND JUNIPER ROAD NW (V-93-71A).

ENGINEER: ISAACSON & ARFMAN, P.A.
128 MONROE STREET NE
ALBUQUERQUE, NM 87108

SURVEYOR: ALDRICH LAND SURVEYING
ATTN: TIM ALDRICH, NMPLS NO. 7719
(505) 884-1990

BENCHMARK: ACS "2-H10" LOCATED ALONG THE NORTHERLY RIGHT-OF-WAY OF MIAMI ROAD APPROXIMATELY 837 FT. EAST OF THE SUBDIVISION NORTHEAST CORNER.
ELEVATION: 5108.81

IBM: SAS MH RIM (SOUTH PT.) AT JUNIPER ROAD AND 68TH STREET.
ELEVATION: 5110.31

ZONING: RD (15 DU/AC MAX.).

PROPOSED: 96 SINGLE FAMILY RESIDENTIAL LOTS.

AREA: 15.73 AC (PHASE ONE).

FLOOD HAZARD: NO PART OF THIS DEVELOPMENT IS AFFECTED BY ANY FLOOD HAZARD DESIGNATIONS AS DETERMINED BY PANEL NO. 350002-0021 OF THE OCTOBER 14, 1983 EDITION OF THE F.E.M.A. MAPS.

LOCATION & DESCRIPTION: THE 15.73 ACRE SITE IS UNDEVELOPED AND UNDISTURBED LAND WITH TYPICAL WEST SIDE GROUND COVER OR SAGE AND NATIVE GRASSES. JUNIPER ROAD NW BORDERING ON THE SOUTH IS FULLY DEVELOPED WHILE MIAMI ROAD BORDERING ON THE NORTH IS UNDEVELOPED. THE TWO ADJACENT TRACTS TO THE EAST AND WEST ARE ALSO UNDEVELOPED.

EXISTING CONDITIONS: THE SITE IS COMPRISED OF TWO DISTINCT DRAINAGE BASINS AS DEFINED BY THE MASTER DRAINAGE STUDY OF S.A.D. 218. THE SOUTHERLY 9 ACRES (+/-) LIES WITHIN BASIN A-2. AS SUCH, THE STORM WATERS OVERLAND SHEETFLOW TO THE PAVING SURFACE OF JUNIPER ROAD ALONG THE SOUTH PROPERTY LINE.

THE FLOWS ARE CONVEYED SOUTHERLY WITHIN THE IMPROVED PAVING SURFACE OF 68TH STREET AND ACCEPTED BY A BATTERY OF CATCH BASINS AT LUFF ROAD. THE NORTHERLY 20% OF THE SITE ALSO HAS AN OVERLAND FLOW CHARACTERISTIC. STORM WATERS WILL SHEET FLOW TO THE NORTH WHERE THEY ARE CAPTURED BY A PLAYA APPROXIMATELY 500 FEET TO THE NORTH.

THE PROPOSED SUBDIVISION DOES NOT ACCEPT ANY OFFSITE STORM WATERS. 72ND STREET IS IMPROVED AND INTERCEPTS ALL OF THE LAUERWOOD OVERFLOW RUNOFF. THE TWO UNDEVELOPED TRACTS BETWEEN 72ND STREET AND THE WESTERLY BOUNDARY OF PHASE ONE ARE OWNED BY THE DEVELOPERS AND SHALL BE DEVELOPED AS PHASE TWO OF THIS DEVELOPMENT. THOSE STORM WATER FLOWS ARE CONSIDERED AS PART OF THIS STUDY.

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico

763GRD.DWGweb 6/17/94

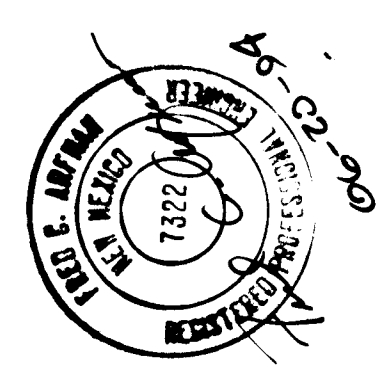
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

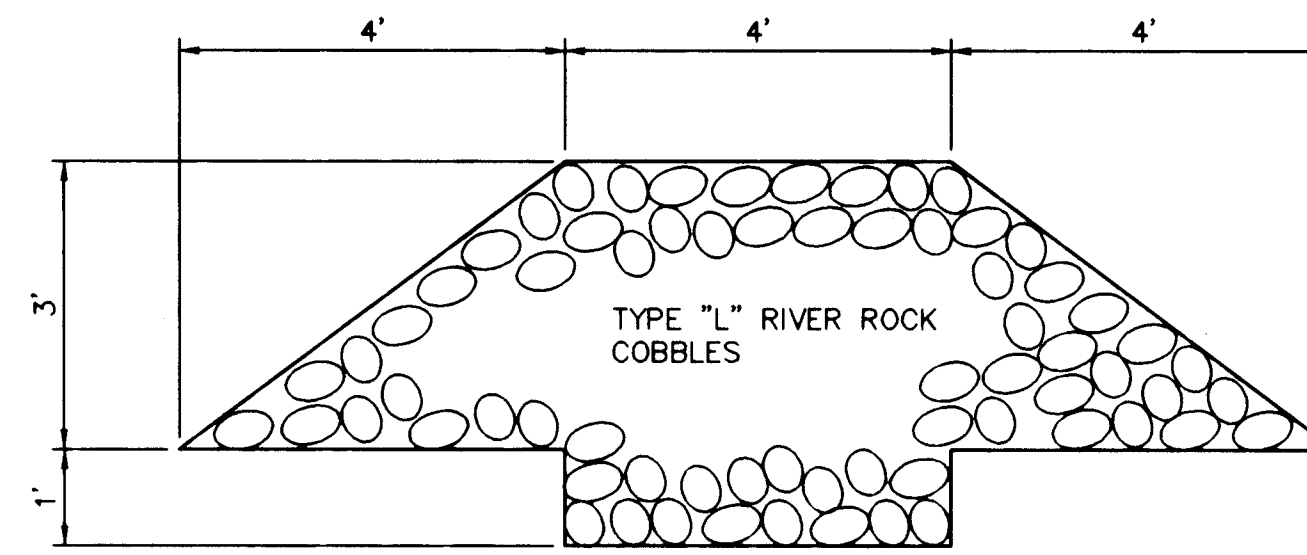
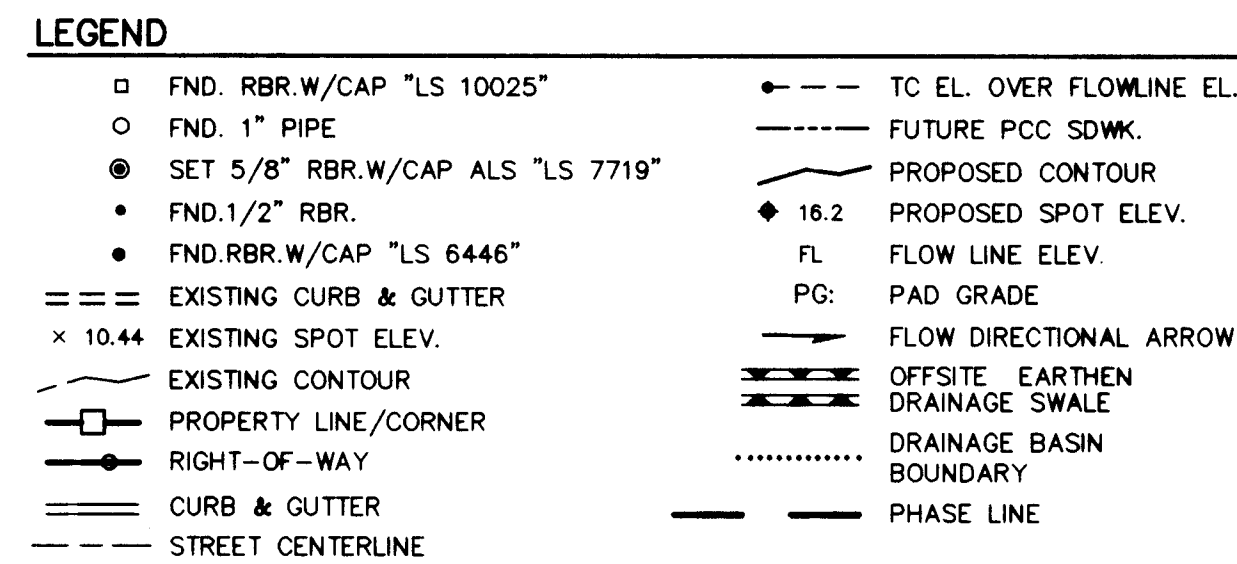
TITLE: TORATOLLA ACRES
GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	Ed. Smith	8-24-94	WATER	W.A. Smith	8-24-94
TRANSPORTATION	W.A. Smith	8-24-94	WASTE WATER	W.A. Smith	8-24-94
HYDROLOGY	John C. Smith	8-3-94			

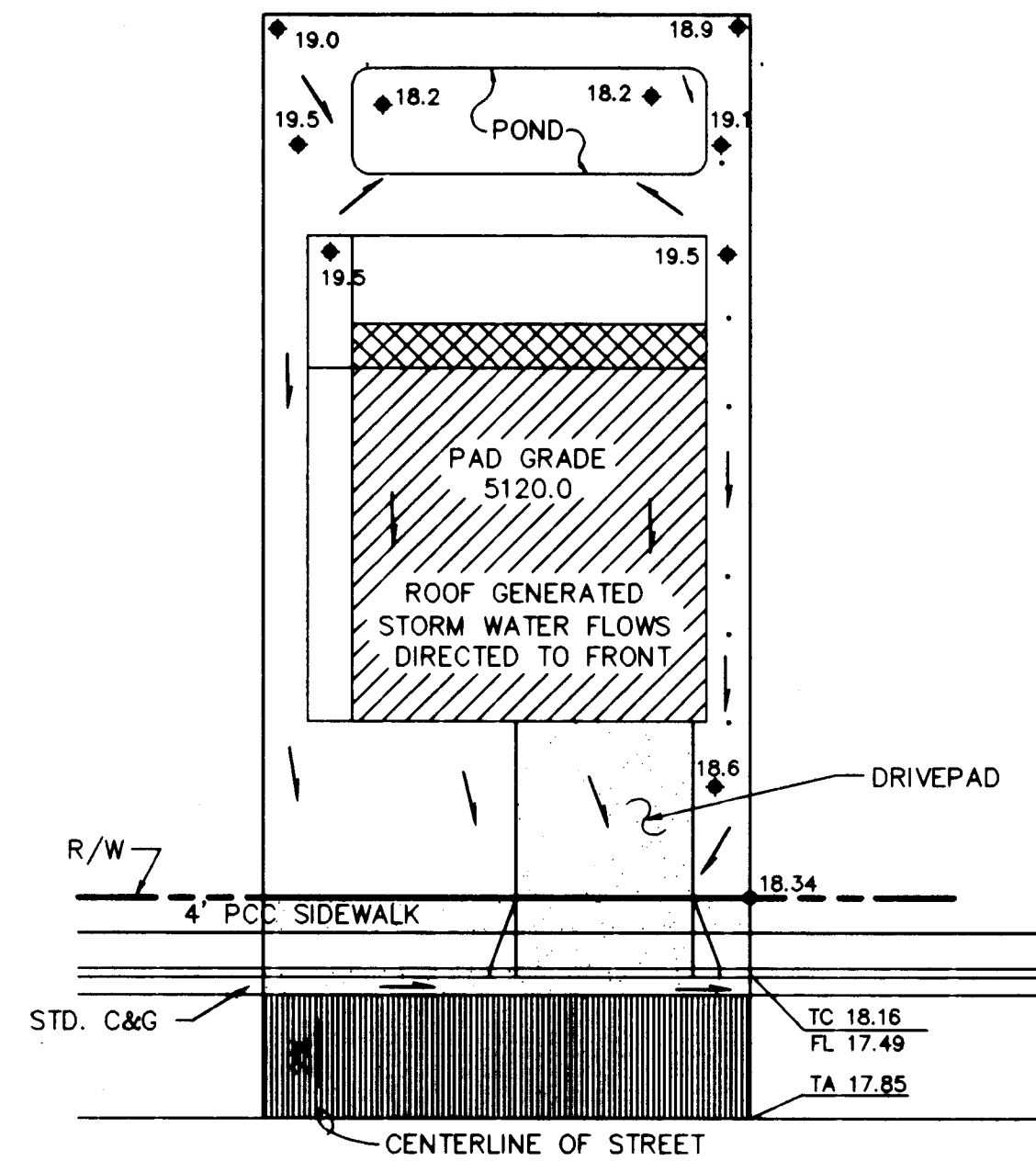
PROJECT NO. 4950.90 MAP NO. H-10 SHEET 4 OF 15

AS-BUILT INFORMATION	BENCH MARKS	SURVEY INFORMATION	FIELD NOTES	DATE	BY	NO.
CONTRACTOR: SNACE	ACS "2-H10" LOCATED ALONG THE NORTHERLY RIGHT-OF-WAY OF MIAMI ROAD APPROXIMATELY 837 FT. EAST OF THE SUBDIVISION NORTHEAST CORNER.					
STATIONED BY: ALS, INC.						
DATE: 8/17/94						
REVISIONS						
DESIGNED BY: F.C.A.						
DRAWN BY: W.E.B.						
CHECKED BY: W.A.						

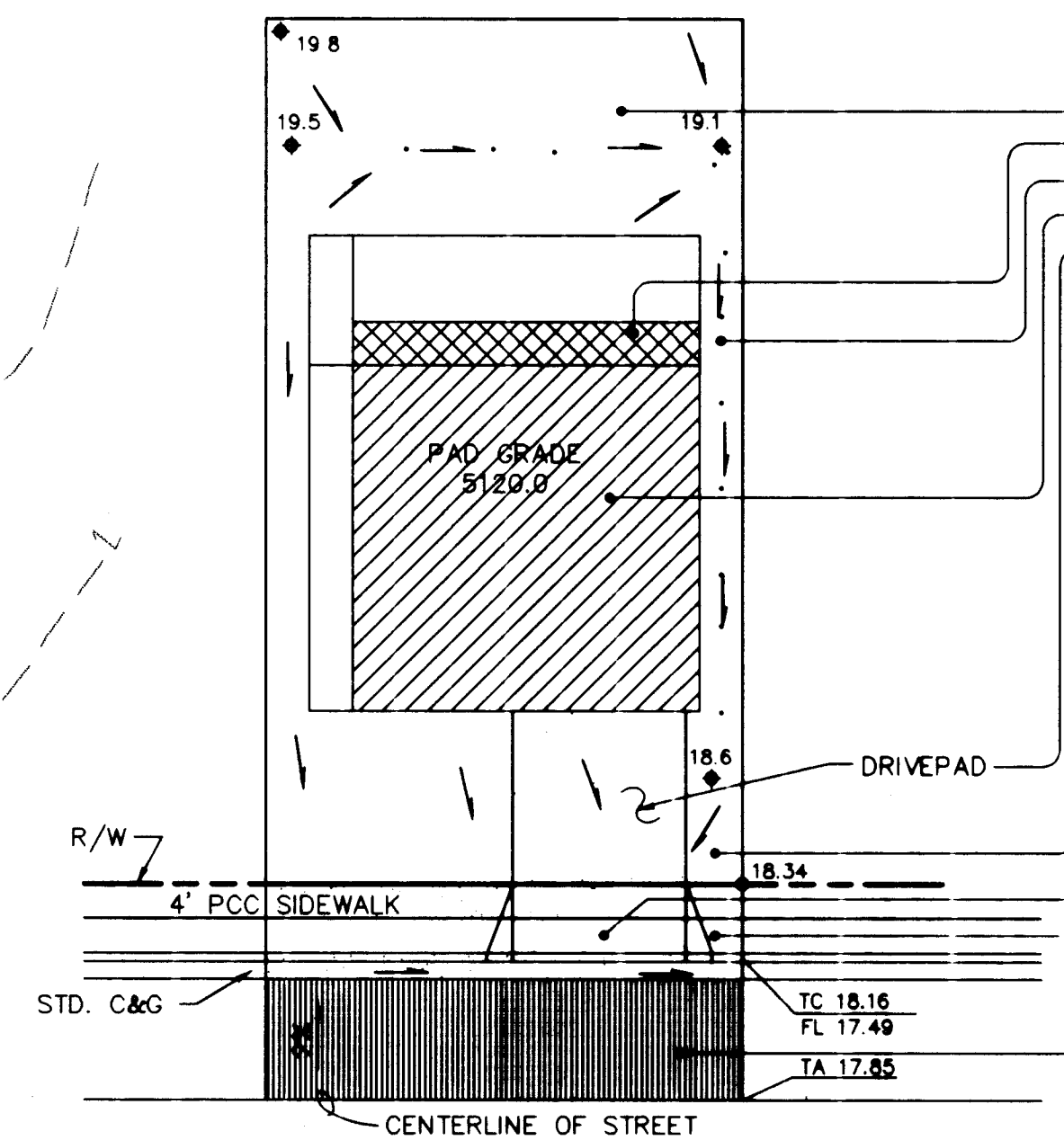




SECTION A-A: TEMP. DESILTATION STRUCTURE
1"-2'-0"

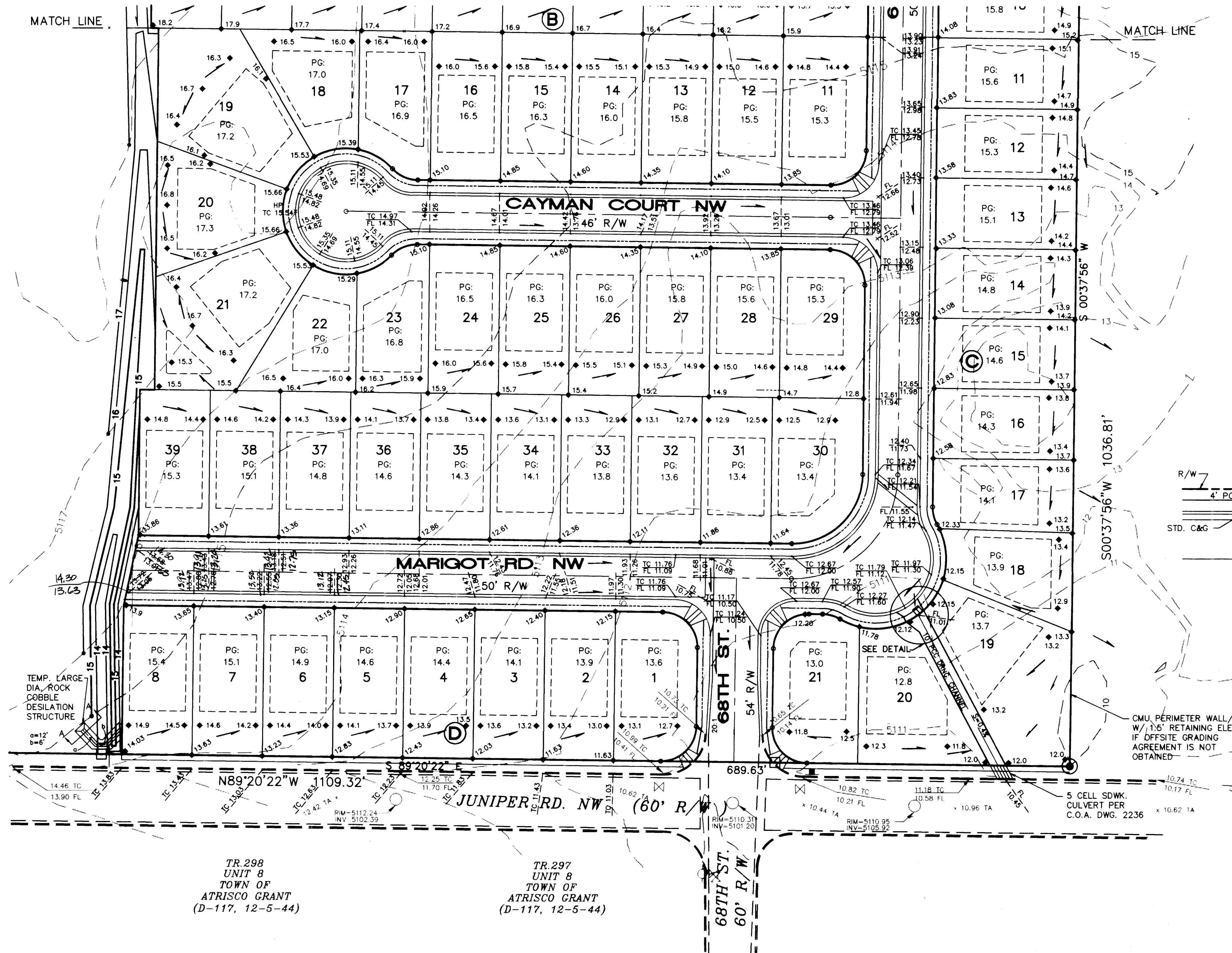
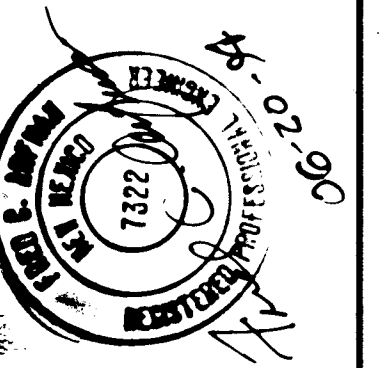


**TYPICAL LOT GRADING WITH
REAR YARD PONDING**
1"=20'



**LAND TREATMENTS
AND TYPICAL LOT
GRADING PLAN**
1" = 20'

LAND TREATMENT (AREA S.F.)			
B	C	D	COMMENT
1,870			REAR YARD
338	337	200	WALKS/PATIO
			SIDE YARDS
		1,600	HOUSE/GARAGE
350	350	400	DRVPD & WALK
			FRONT YARD
		358	SDWK & DRPD.
	152		COMP. R/W
		920	PAVING/C&G
2,558	839	3,478	TOTALS (S.F.)
37.2%	12.2%	50.6%	% OF TOTAL AREA



TR.298
UNIT 8
TOWN OF
ATRISCO GRANT
(D-117, 12-5-44)

TR.297
UNIT 8
TOWN OF
ATRISCO GRANT
(D-117, 12-5-44)

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



ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
 128 Monroe Street N.E.
 Albuquerque New Mexico

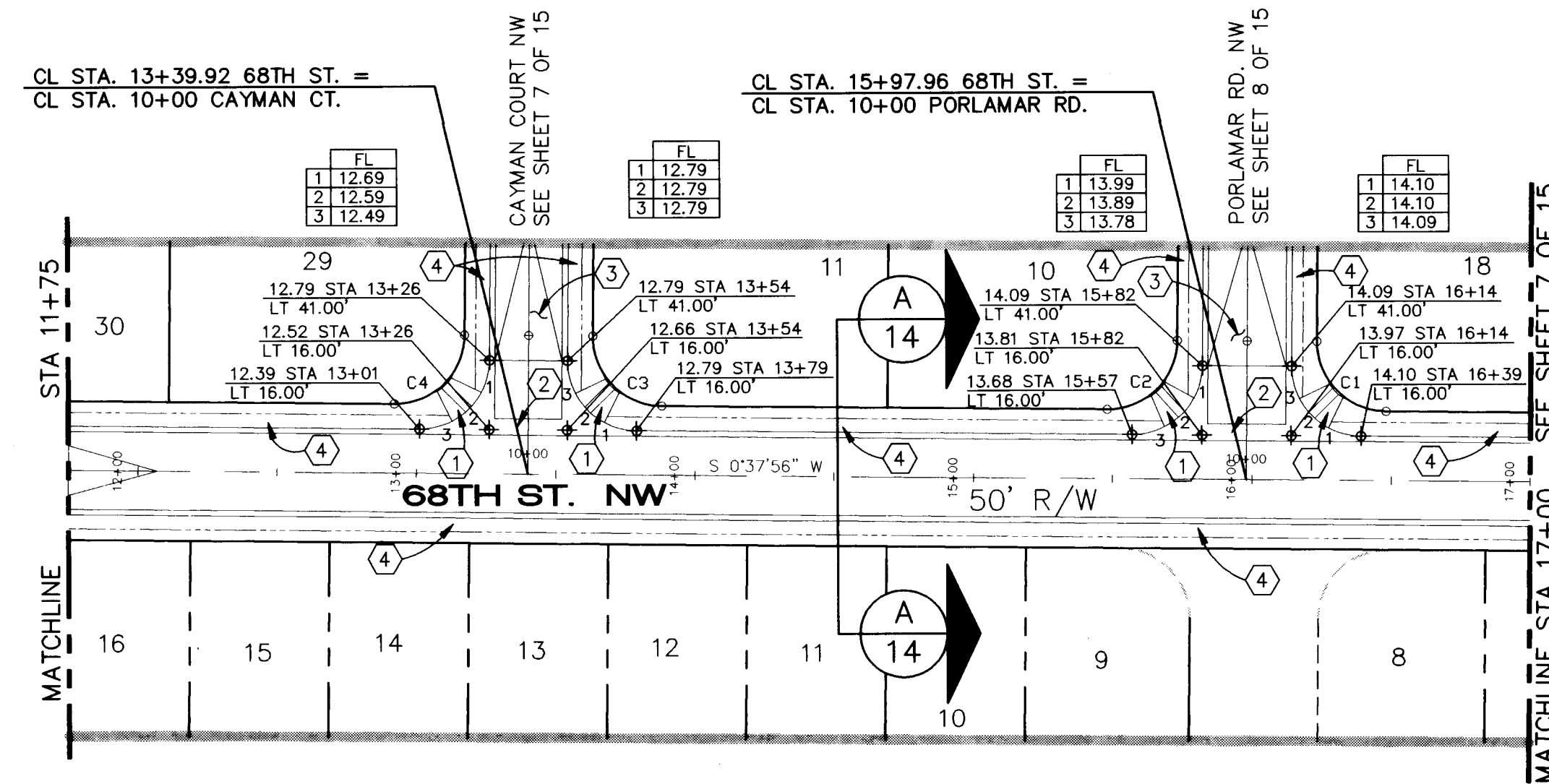
763GRD.DWGweb 6/17/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

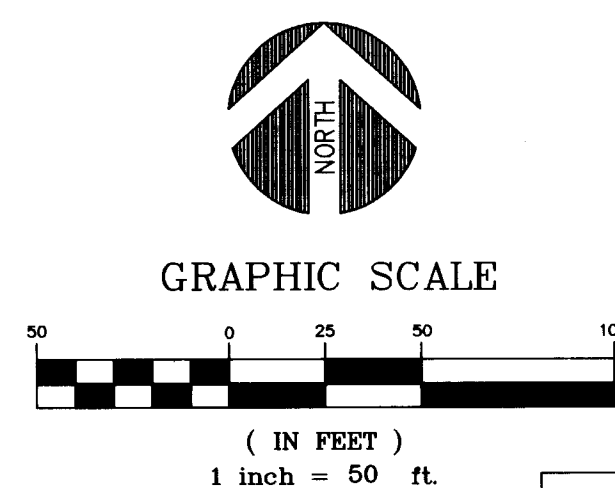
TITLE: **TORATOLLA ACRES
GRADING PLAN**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>S. S. Sankar</i>	8-24-94	WATER	<i>W/A 682</i>	<i>10/26/94</i>
TRANSPORTATION	<i>W/A RHD</i>	8-02-94	WASTE WATER		
HYDROLOGY	<i>Dean Coleman</i>	8-3-94			

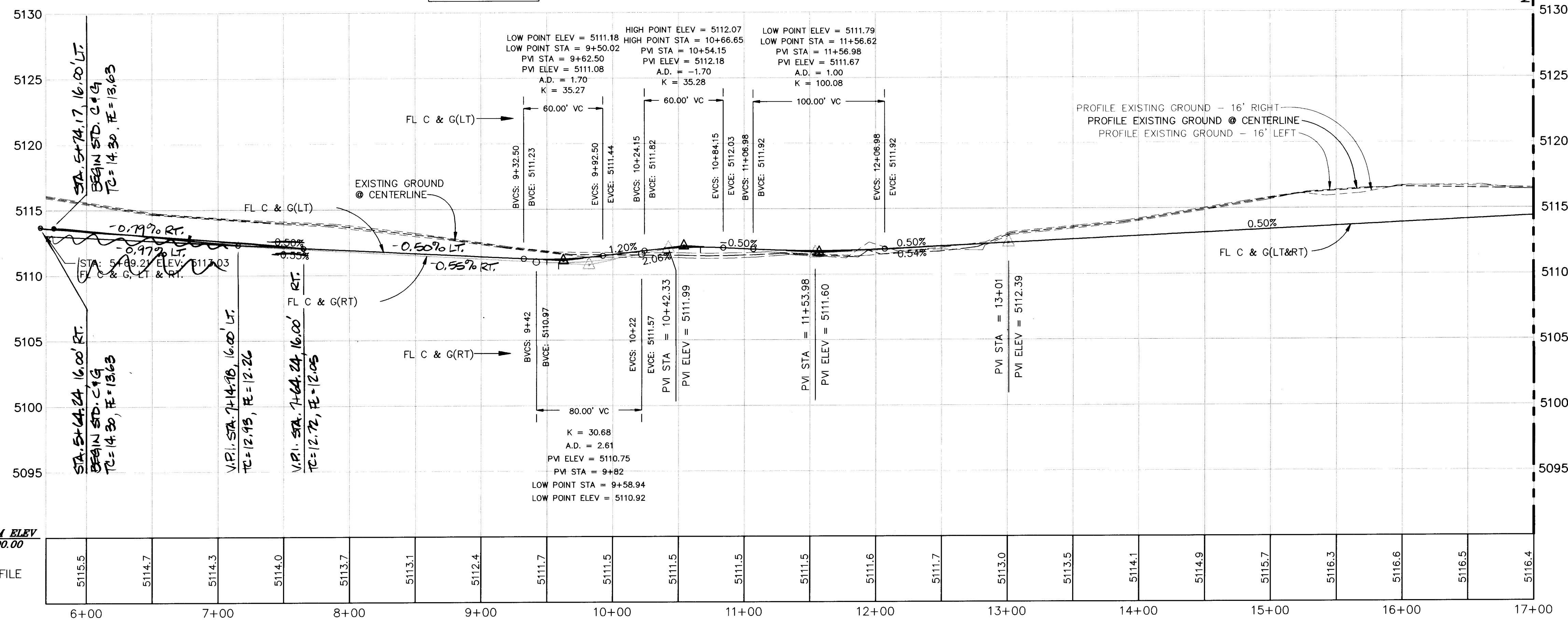
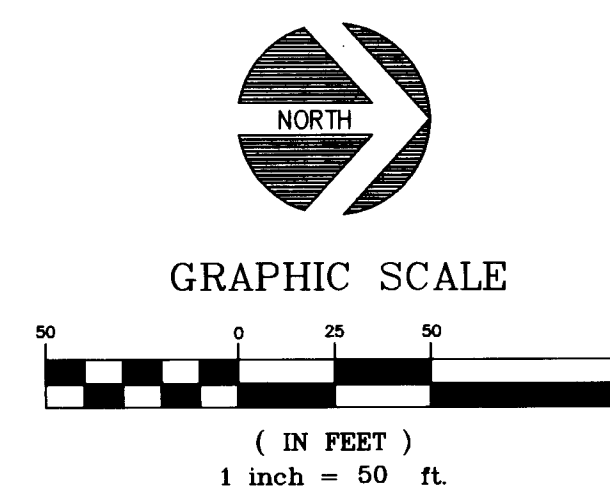
PROJECT NO.	4950.90	MAP NO.	H-10	SHEET	5	OF	15
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CURVE DATA AT FACE OF CURB						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	25.00'	39.28'	25.01'	35.36'	N45°21'30"E	90°01'08"
C2	25.00'	39.28'	24.99'	35.35'	N45°38'30"E	89°58'52"
C3	25.00'	39.28'	25.01'	35.36'	S44°21'30"E	90°01'08"
C4	25.00'	39.28'	24.99'	35.35'	N45°38'30"E	89°58'52"
C5	39.00'	59.02'	59.02'	89.15'	N45°38'30"E	90°01'08"
C6	34.00'	17.76'	9.09'	17.56'	S14°19'51"E	29°55'35"
C7	41.00'	107.25'	152.33'	79.18'	N45°38'30"E	149°52'19"
C8	34.00'	17.77'	9.09'	17.57'	N74°23'51"W	29°57'02"
C9	25.00'	39.28'	24.99'	35.35'	S45°38'30"E	90°01'08"
C10	25.00'	39.28'	24.99'	35.35'	N44°21'30"E	89°58'52"



SCALE:
HORIZ: 1"=50'
VERT: 1"=5'



EXIST./FIN. PROFILE
LT 16.00'

EXIST./FIN. PROFILE
RT 16.00'

5115.4	5115.4	5115.4	5115.4
5115.6	5115.6	5115.6	5115.6
13.36	13.36	13.36	13.36
5114.6	5114.6	5114.6	5114.6
12.95	12.95	12.95	12.95
5114.3	5114.3	5114.3	5114.3
12.5	12.5	12.5	12.5
5113.9	5113.9	5113.9	5113.9
12.5	12.5	12.5	12.5
5113.5	5113.5	5113.5	5113.5
5111.76	5111.76	5111.76	5111.76
5112.9	5112.9	5112.9	5112.9
5111.48	5111.48	5111.48	5111.48
5112.3	5112.3	5112.3	5112.3
5112.5	5112.5	5112.5	5112.5
5111.20	5111.20	5111.20	5111.20
5111.3	5111.3	5111.3	5111.3
5111.96	5111.96	5111.96	5111.96
5111.7	5111.7	5111.7	5111.7
5110.94	5110.94	5110.94	5110.94
5111.3	5111.3	5111.3	5111.3
5111.20	5111.20	5111.20	5111.20
5111.6	5111.6	5111.6	5111.6
5111.80	5111.80	5111.80	5111.80
5111.5	5111.5	5111.5	5111.5
5111.89	5111.89	5111.89	5111.89
5112.0	5112.0	5112.0	5112.0
5112.14	5112.14	5112.14	5112.14
5113.1	5113.1	5113.1	5113.1
5112.39	5112.39	5112.39	5112.39
5113.6	5113.6	5113.6	5113.6
5112.84	5112.84	5112.84	5112.84
5114.2	5114.2	5114.2	5114.2
5112.69	5112.69	5112.69	5112.69
5115.0	5115.0	5115.0	5115.0
5113.14	5113.14	5113.14	5113.14
5115.8	5115.8	5115.8	5115.8
5113.39	5113.39	5113.39	5113.39
5116.4	5116.4	5116.4	5116.4
5113.65	5113.65	5113.65	5113.65
5116.7	5116.7	5116.7	5116.7
5113.90	5113.90	5113.90	5113.90
5114.5	5114.5	5114.5	5114.5
5116.5	5116.5	5116.5	5116.5
5114.40	5114.40	5114.40	5114.40

NOTES:

1. NEW ELEVATIONS SHOWN ARE FLOWLINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS APPLY TO THIS SHEET.
 - DWG 2401 - TYP. RES. STREET INTERS.
 - DWG 2405 - RESIDENTIAL STREET SECTION
 - DWG 2415 - CURB AND GUTTER
 - DWG 2418 - MOUNTABLE TO STANDARD CURB TRANSITION
 - DWG 2420 - CONCRETE VALLEY GUTTER
 - DWG 2430 - SIDEWALK DETAILS
 - DWG 2440 - WHEEL CHAIR RAMP
 - DWG 2441 - WHEEL CHAIR RAMP
3. SEE PLAT, SHEET 2 OF 12, FOR RIGHT OF WAY WIDTHS AND STREET CENTERLINE BEARING & DISTANCE INFORMATION.

 CONSTRUCTION KEYED NOTES:

- 1 CONSTRUCT P.C.C. SIDEWALK, 4" THICK, TRANSITIONS TO HANDICAP ACCESS RAMPS AND P.C.C. RAMP PER STD. DWG.# 2441.
- 2 CONSTRUCT P.C.C. VALLEY GUTTER AND GUTTER AND CURB PER STD. DWG.# 2420, 6" WIDE WITH 1" INVERT DEPTH.
- 3 NO CROWN TRANSITION (50' LENGTH).
- 4 4' WIDE P.C.C. SIDEWALK (NOT IN THIS CONTRACT).
- 5 CONSTRUCT P.C.C. VALLEY GUTTER PER CITY STD. DWG.# 2422, 10' WIDE WITH 3/4" INVERT DEPTH.

SCANNED BY
BY LASON

1	2	3	4	5	6	7	8	9	10	11	12	13	14
2	6		4	9	5	0	.	9	0	0	6	9	5

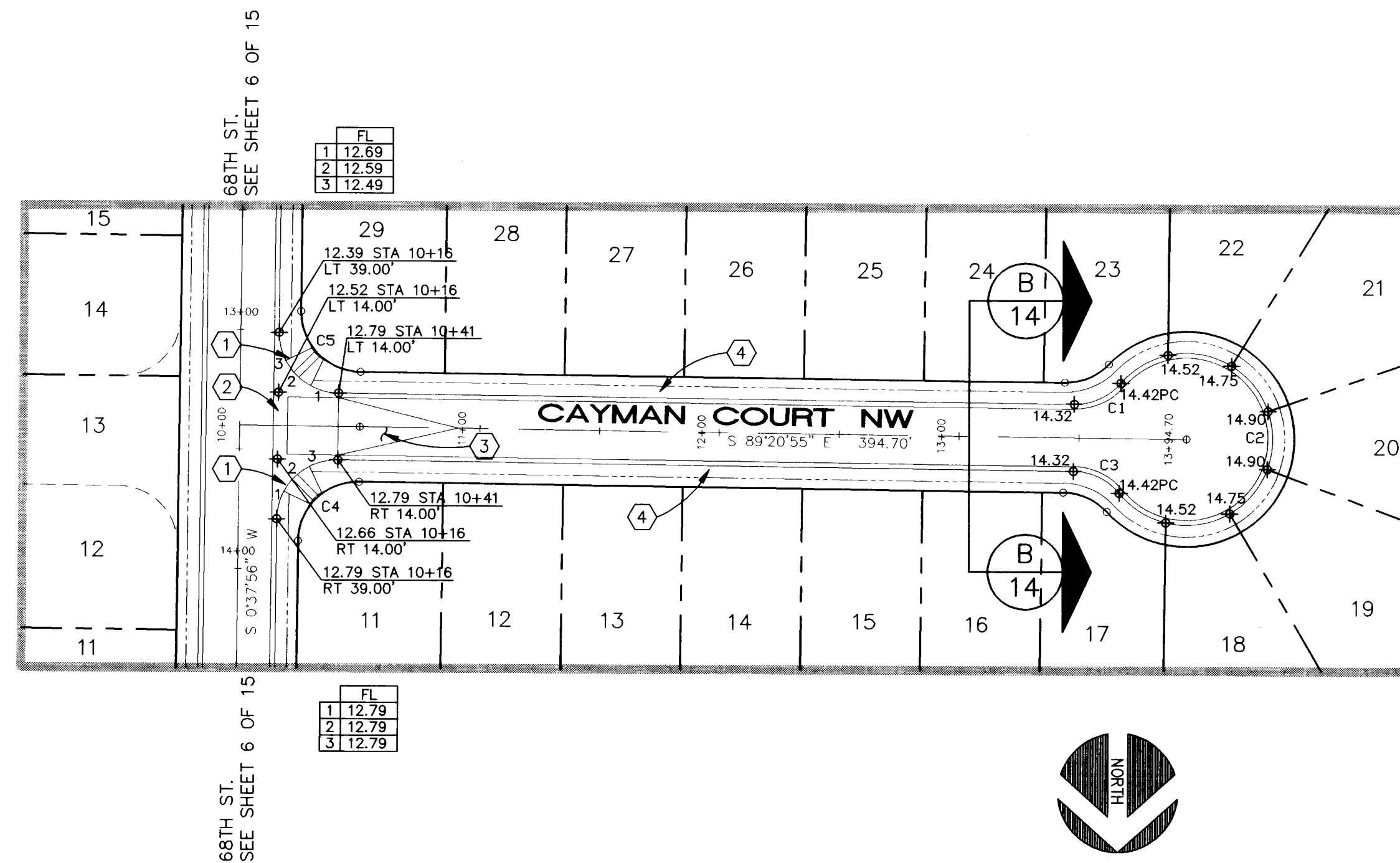
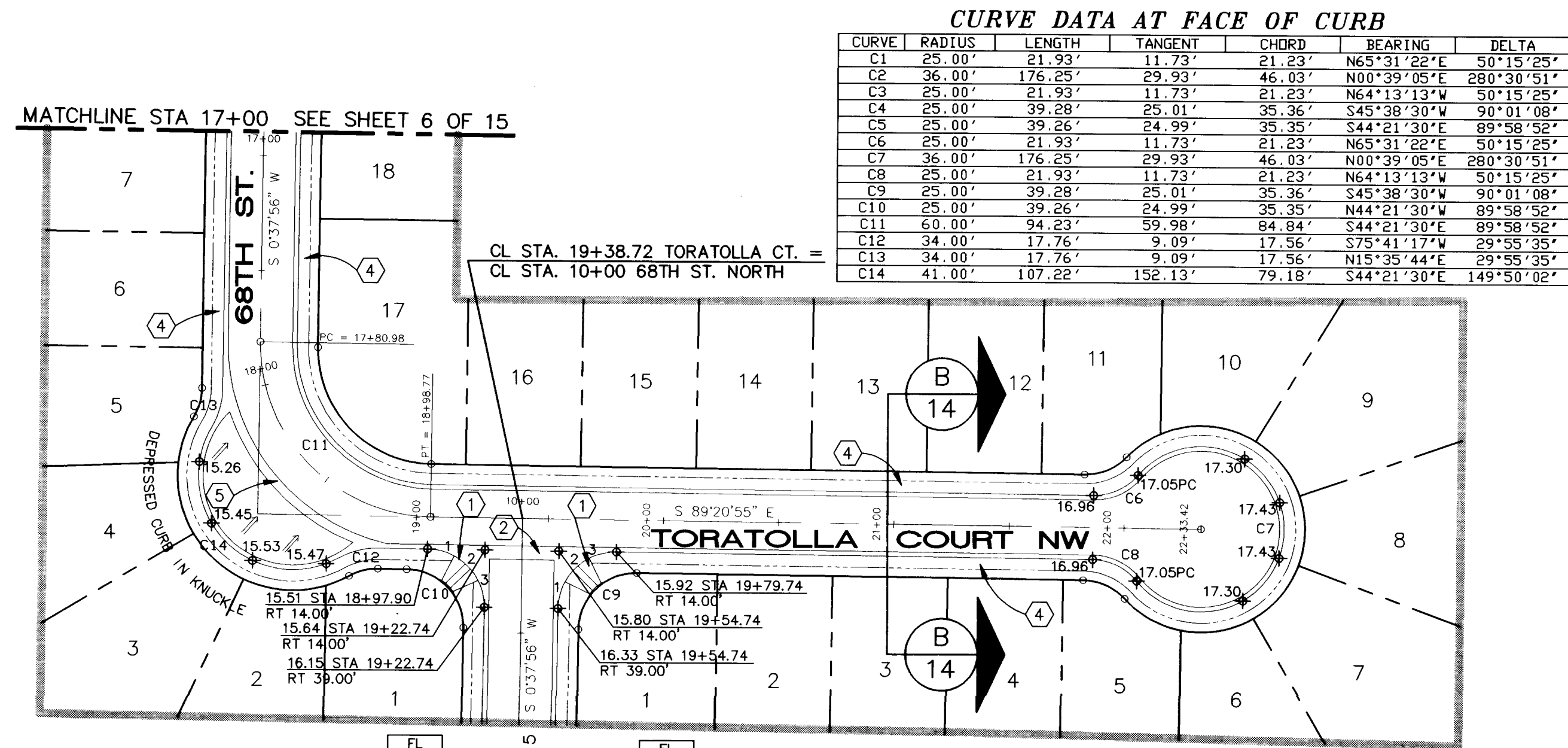
Terry O. Brown, P.E.
P. O. Box 92051
Albuquerque, NM 87199
(505) 883-8807

TITLE: TORATOLLA ACRES
PLAN AND PROFILE
MARIGOT RD. NW & 68TH ST. NW - 5+69.21 - 17+00

APPROVALS	ENGINEER	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>B.G. Murphy</i> 8-24-94	WATER	<i>N/A</i>	<i>1-28-94</i>
TRANSPORTATION	<i>Robinson</i> 8-02-99	WASTE WATER	<i>N/A</i>	
HYDROLOGY	<i>N/A SAC</i> 8-23-94			

PROJECT NO.	4950.90	MAP NO.	H-10-7	SHEET	6	OF	15
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- NOTES:
- NEW ELEVATIONS SHOWN ARE FLOWLINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
 - THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS APPLY TO THIS SHEET:
 - DWG 2401 - TYP. RES. STREET INTERS.
 - DWG 2405 - RESIDENTIAL STREET SECTION
 - DWG 2415 - CURB AND GUTTER
 - DWG 2418 - MOUNTABLE TO STANDARD CURB TRANSITION
 - DWG 2420 - CONCRETE VALLEY GUTTER
 - DWG 2430 - SIDEWALK DETAILS
 - DWG 2440 - WHEEL CHAIR RAMP
 - DWG 2441 - WHEEL CHAIR RAMP
 - SEE PLAT, SHEET 2 OF 12, FOR RIGHT OF WAY WIDTHS AND STREET CENTERLINE BEARING & DISTANCE INFORMATION.

- CONSTRUCTION KEYED NOTES:
- CONSTRUCT P.C.C. SIDEWALK, 4" THICK, TRANSITIONS TO HANDICAP ACCESS RAMPS AND P.C.C. RAMP PER STD. DWG. # 2441.
 - CONSTRUCT P.C.C. VALLEY GUTTER AND GUTTER AND CURB PER STD. DWG. # 2420, 6' WIDE WITH 1" INVERT DEPTH.
 - NO CROWN TRANSITION (50' LENGTH).
 - 4' WIDE P.C.C. SIDEWALK (NOT IN THIS CONTRACT).
 - 4' WIDE CONCRETE VALLEY GUTTER PER CITY STD. DWG. # 2421.

GRAPHIC SCALE
(IN FEET)
1 inch = 50 ft.

GRAPHIC SCALE
(IN FEET)
1 inch = 50 ft.

SCALE:
HORIZ: 1"=50'
VERT: 1"=5'

SCALE:
HORIZ: 1"=50'
VERT: 1"=5'

SCALE:
HORIZ: 1"=50'
VERT: 1"=5'

SCALE:
HORIZ: 1"=50'
VERT: 1"=5'

SCALE:
HORIZ: 1"=50'
VERT: 1"=5'

SCALE:
HORIZ: 1"=50'
VERT: 1"=5'

SCALE:
HORIZ: 1"=50'
VERT: 1"=5'

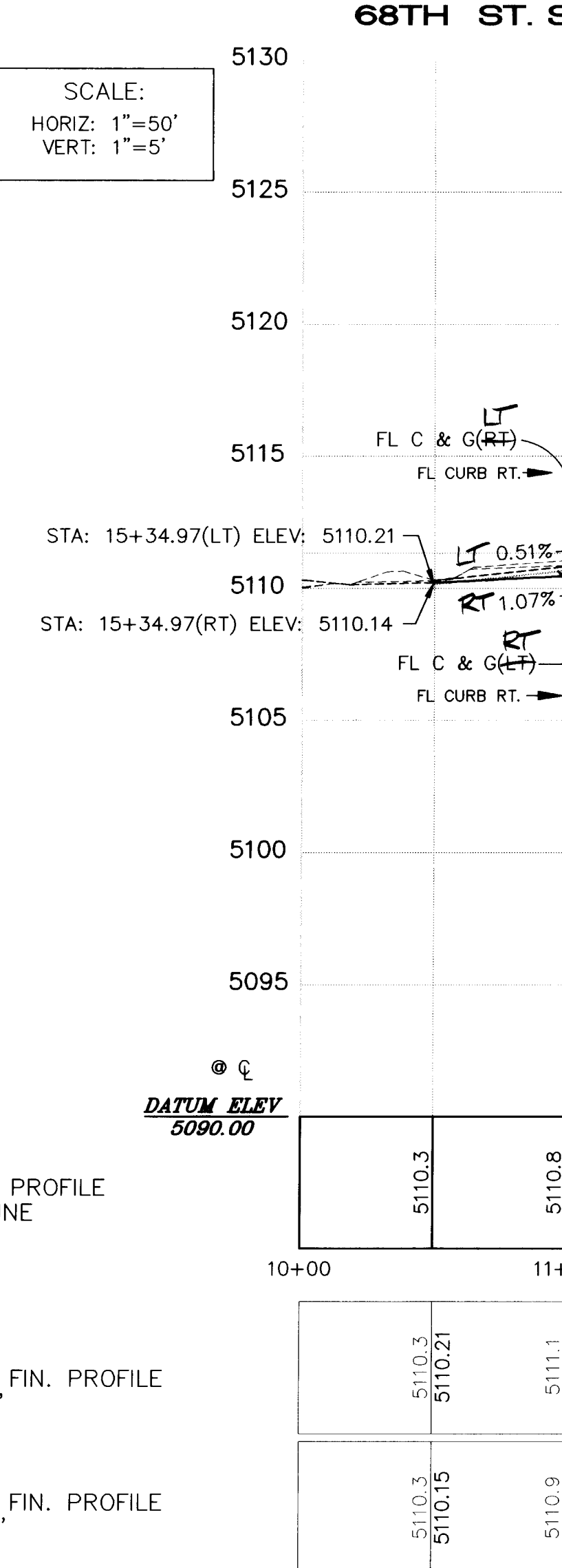
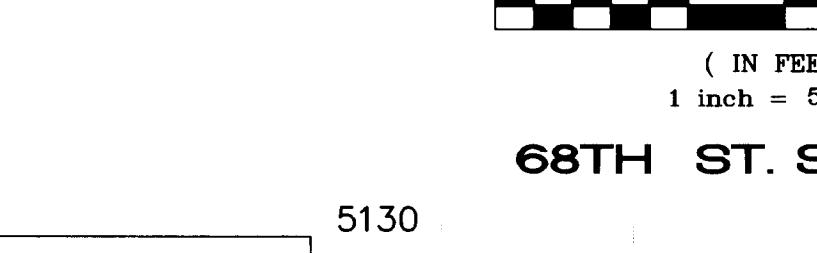
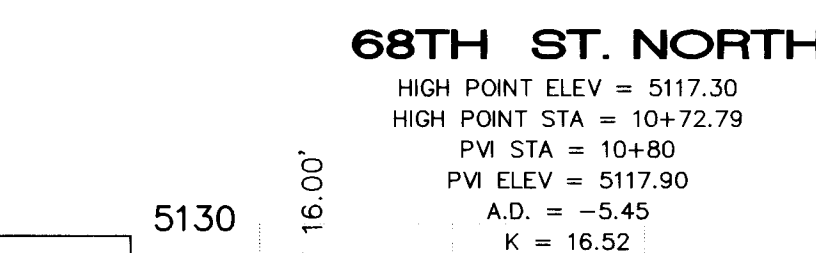
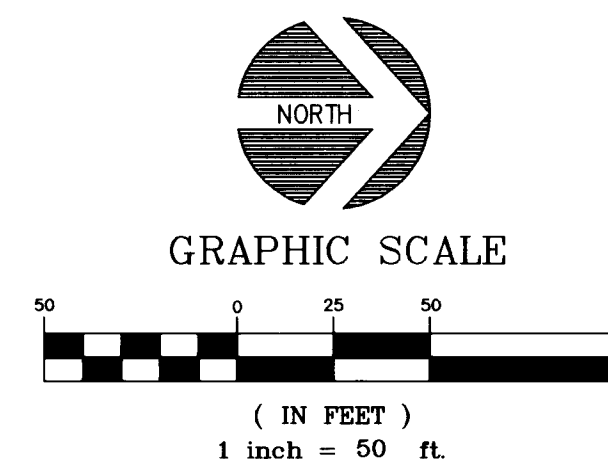
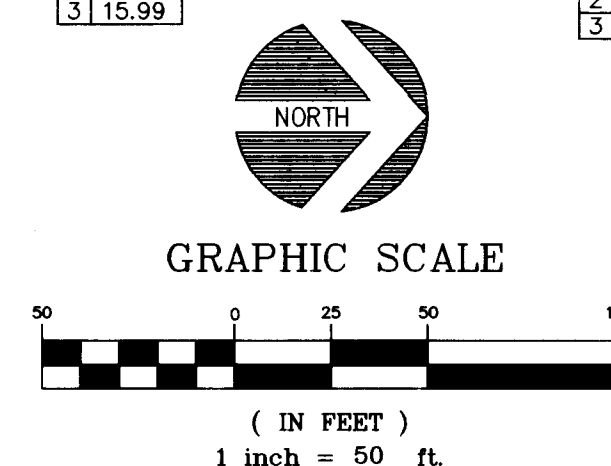
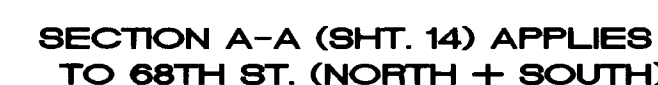
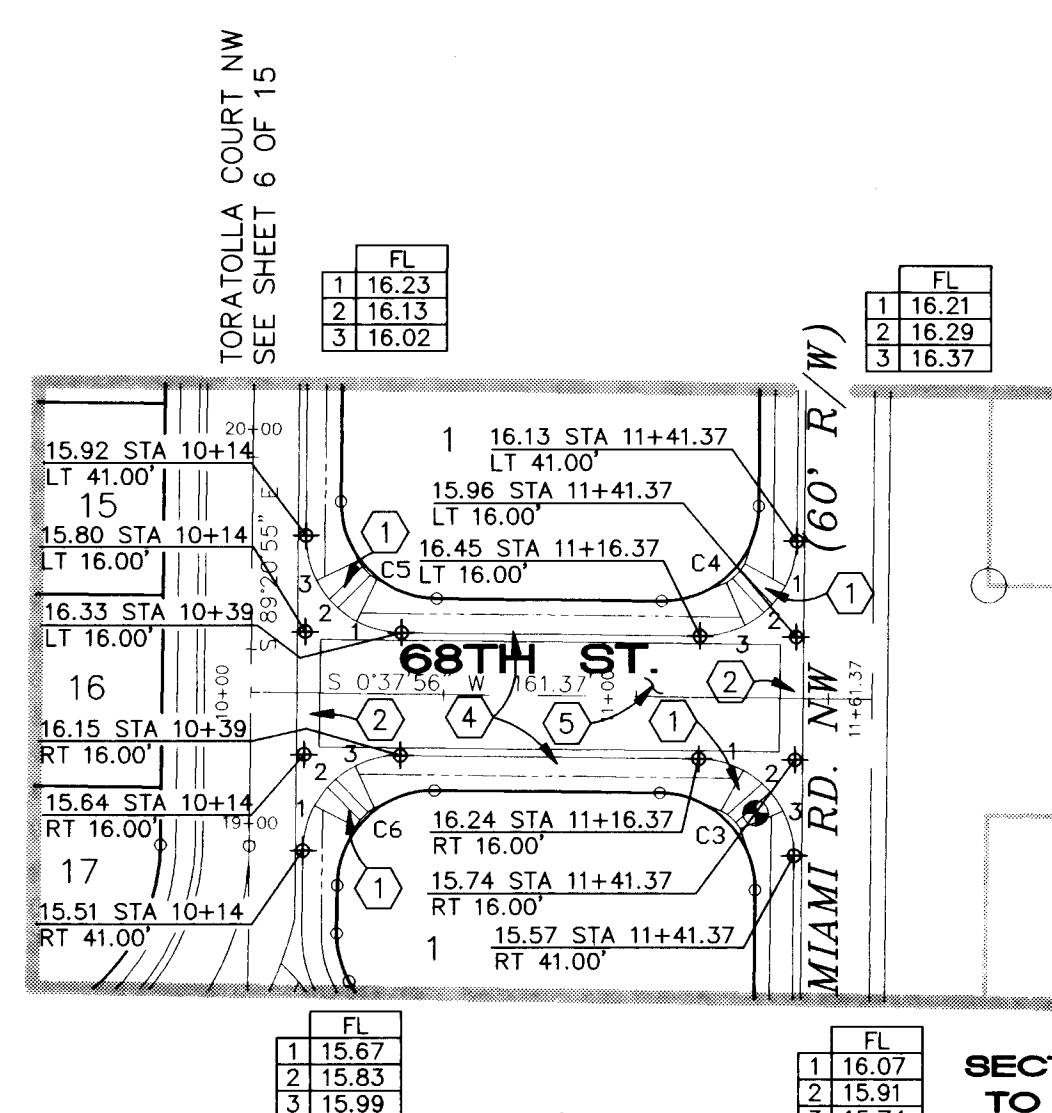
SCALE:
HORIZ: 1"=50'
VERT: 1"=5'

AS BUILT INFORMATION			CONTRACTOR			DATE		
CONTRACTOR			SUNDAE			DATE 8/15		
WORK ORDER NO.			INSPECTION BY			DATE		
ACCEPTANCE BY			VERIFICATION BY			DATE		
DRAWINGS			COORDINATED BY			DATE		
MICRO-FILM INFORMATION			RECORDED BY			DATE		
NO.			NO.			NO.		

SURVEY INFORMATION			FIELD NOTES			DATE		
BY			BY			DATE		
NO.			NO.			NO.		

ENGINEER'S SEAL			REMARKS			DATE		
BY			BY			DATE		
NO.			NO.			NO.		
DATE			DATE			DATE		
DESIGNED BY: TOB			DESIGNED BY: TOB			DESIGNED BY: TOB		
DRAWN BY: TOB			DRAWN BY: TOB			DRAWN BY: TOB		
CHECKED BY: TOB			CHECKED BY: TOB			CHECKED BY: TOB		

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: TORATOLLA ACRES PLAN AND PROFILE					
68TH ST. NW 17+00 - 22+33.42 AND CAYMAN CT. NW					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	8/21/94	8/21/94	WATER	8/21/94	8/21/94
TRANSPORTATION	8/21/94	8/21/94	WASTE WATER	8/21/94	8/21/94
HYDROLOGY	8/21/94	8/21/94			
PROJECT NO. 4950.90		MAP NO. H-10-Z		SHEET 7 OF 15	



- 1 CONSTRUCT P.C.C. SIDEWALK, 4" THICK, TRANSITIONS TO HANDICAP ACCESS RAMPS AND P.C.C. RAMP PER STD. DWG.# 2441.
- 2 CONSTRUCT P.C.C. VALLEY GUTTER AND GUTTER AND CURB PER STD. DWG.# 2420, 6" WIDE WITH 1" INVERT DEPTH.
- 3 NO CROWN TRANSITION (50' LENGTH).
- 4 4' WIDE P.C.C. SIDEWALK (NOT IN THIS CONTRACT).
- 5 NO CROWN

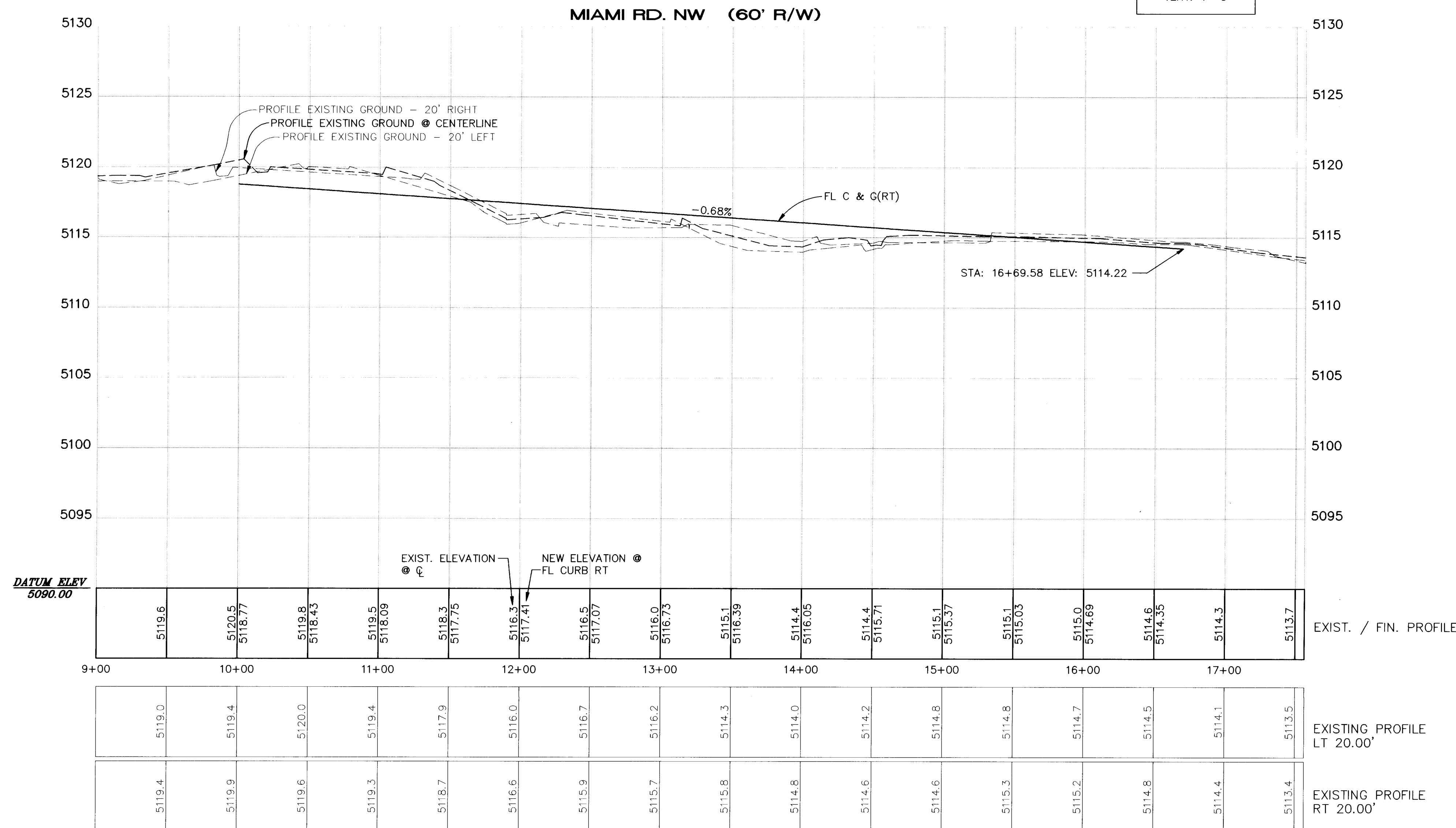
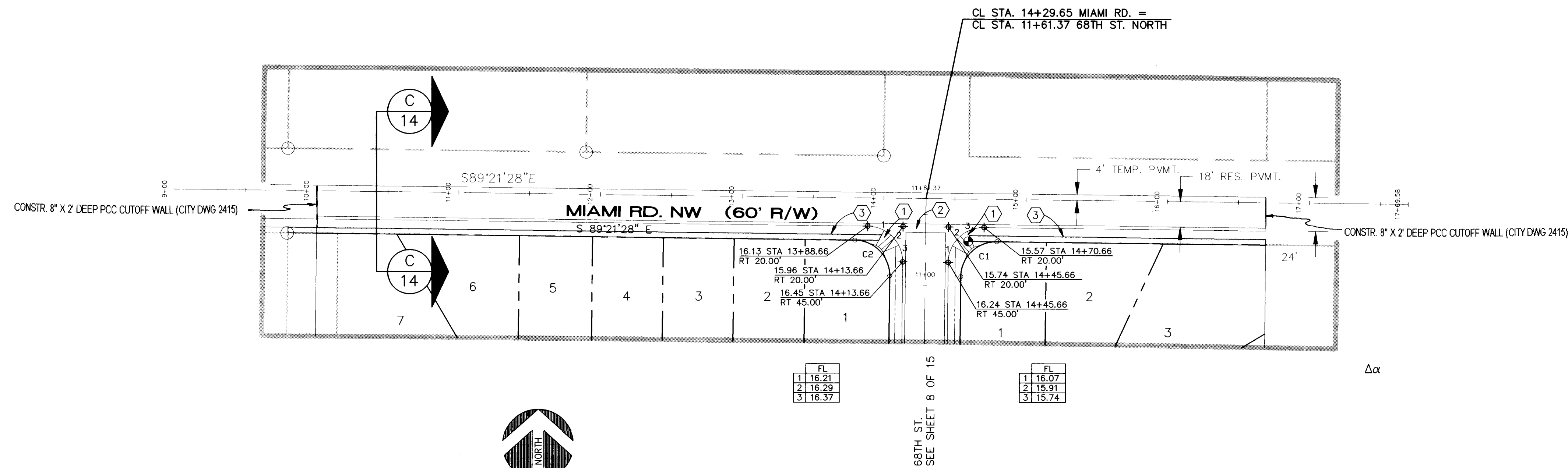
AS BUILT INFORMATION	
CONTRACTOR	SWINDALE
WORK ORDER	
INSPECTOR'S NAME	ALB, INC.
DATE	3/15
FIELD VERIFICATION BY	ALB, INC.
DATE	3/15
DRAWINGS CORRECTED BY	ALB, INC.
DATE	3/15
MICRO-FILM INFORMATION	
RECORDED BY	
DATE	
NO.	

BENCH MARKS

SURVEY INFORMATION

[illegible]

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: TORATOLLA ACRES PLAN AND PROFILE PORLAMAR RD. NW AND 68TH ST. NW NORTH & SOUTH					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>B.G. Smalley</i>	<i>8-24-99</i>	WATER	<i>N/A</i>	<i>8/24/99</i>
TRANSPORTATION	<i>R. Cant</i>	<i>8-02-99</i>	WASTE WATER		
HYDROLOGY	<i>N/A Smc</i>	<i>8-3-99</i>			
PROJECT NO.	4950.90		MAP NO.	H-10-Z	
			SHEET	OF	
	15			8	



- NOTES:
- NEW ELEVATIONS SHOWN ARE FLOWLINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
 - THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS APPLY TO THIS SHEET:
DWG 2401 - TYP. RES. STREET INTERS.
DWG 2405 - RESIDENTIAL STREET SECTION
DWG 2415 - CURB AND GUTTER
DWG 2418 - MOUNTABLE TO STANDARD CURB TRANSITION
DWG 2420 - CONCRETE VALLEY GUTTER
DWG 2430 - SIDEWALK DETAILS
DWG 2440 - WHEEL CHAIR RAMP
DWG 2441 - WHEEL CHAIR RAMP

- CONSTRUCTION KEYED NOTES:
- CONSTRUCT P.C.C. SIDEWALK, 4" THICK, TRANSITIONS TO HANDICAP ACCESS RAMPS AND P.C.C. RAMP PER STD. DWG.# 2441.
 - CONSTRUCT P.C.C. VALLEY GUTTER AND GUTTER AND CURB PER STD. DWG.# 2420, 6' WIDE WITH 1" INVERT DEPTH.
 - CONSTRUCT 6' WIDE P.C.C. SIDEWALK.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	ACS MONUMENT "6-JIO", 3-1/4" ALUMINUM CAP IN THE CENTER MEDIAN OF I-40, 0.81 MILES WEST OF COORS BLVD. ELEVATION: 5117.13, SLD 1929	DATE	FIELD NOTES	NO.	BY	NO.
WORKED BY	DATE						
INSPECTED BY	DATE						
ACCEPTANCE BY	DATE						
VERIFICATION BY	DATE						
DRAWN BY	DATE						
CHECKED BY	DATE						
RECORDED BY	DATE						
NO.							

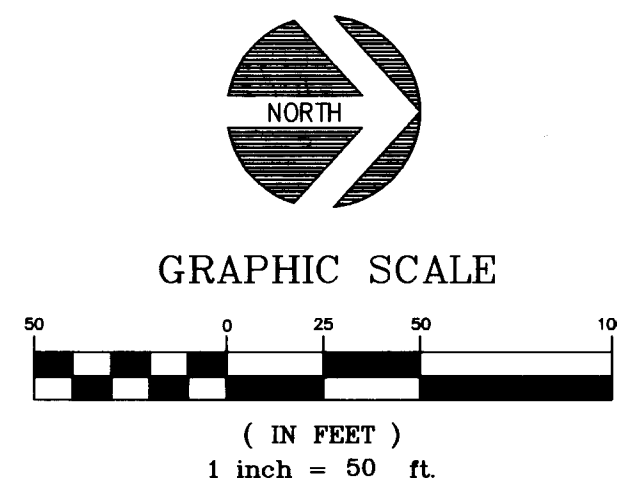
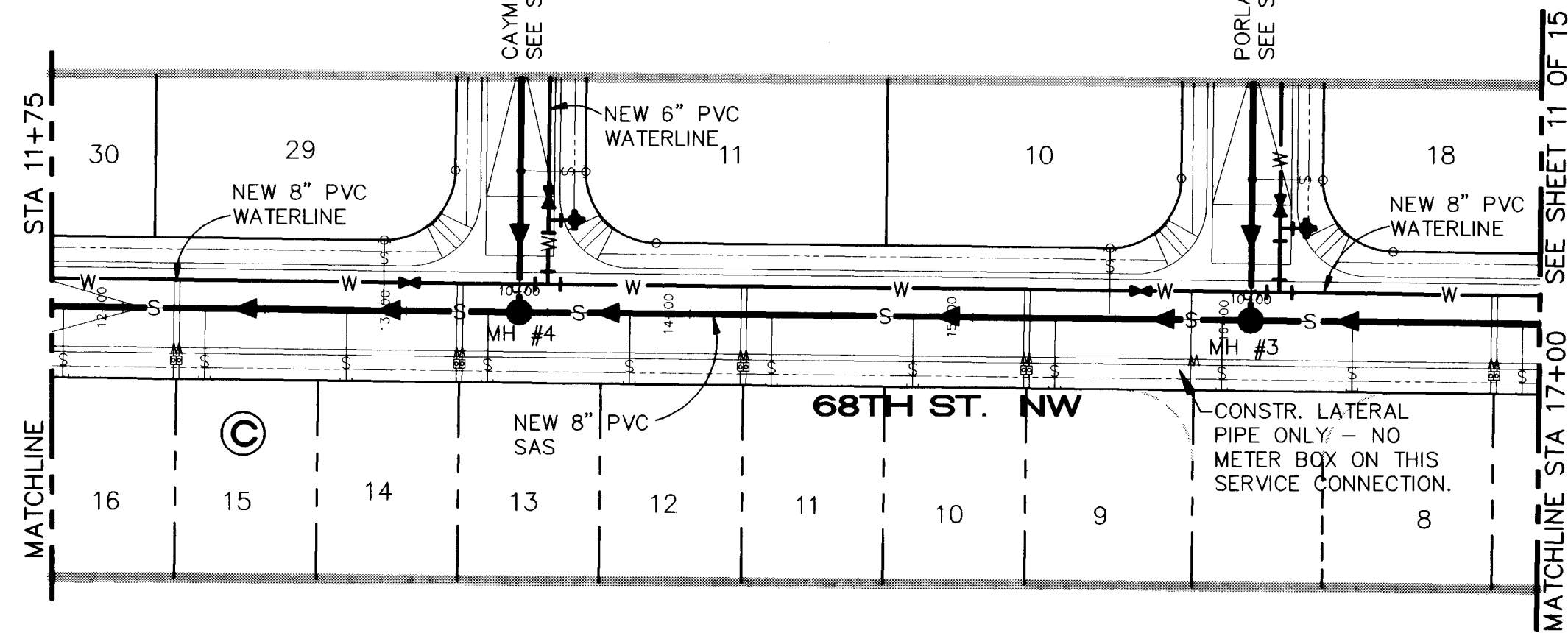
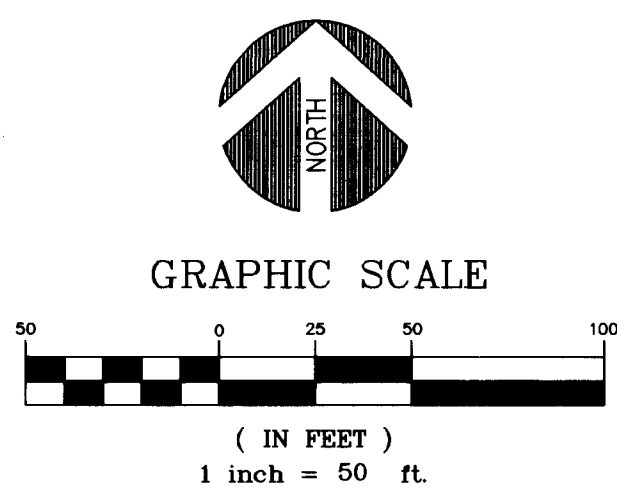
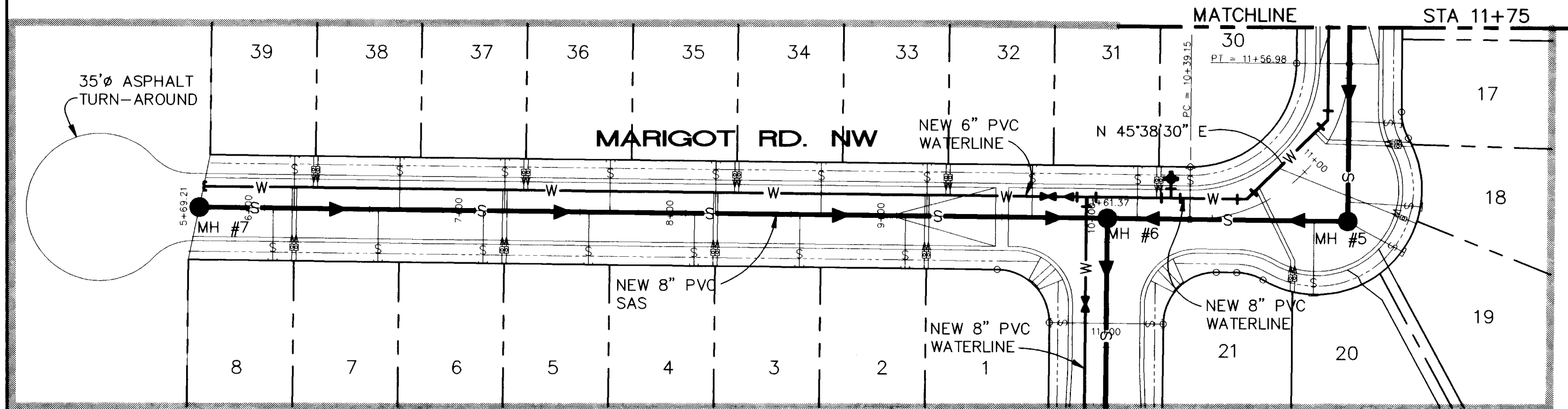
SCANNED BY
BY LASON

26 4950.900995

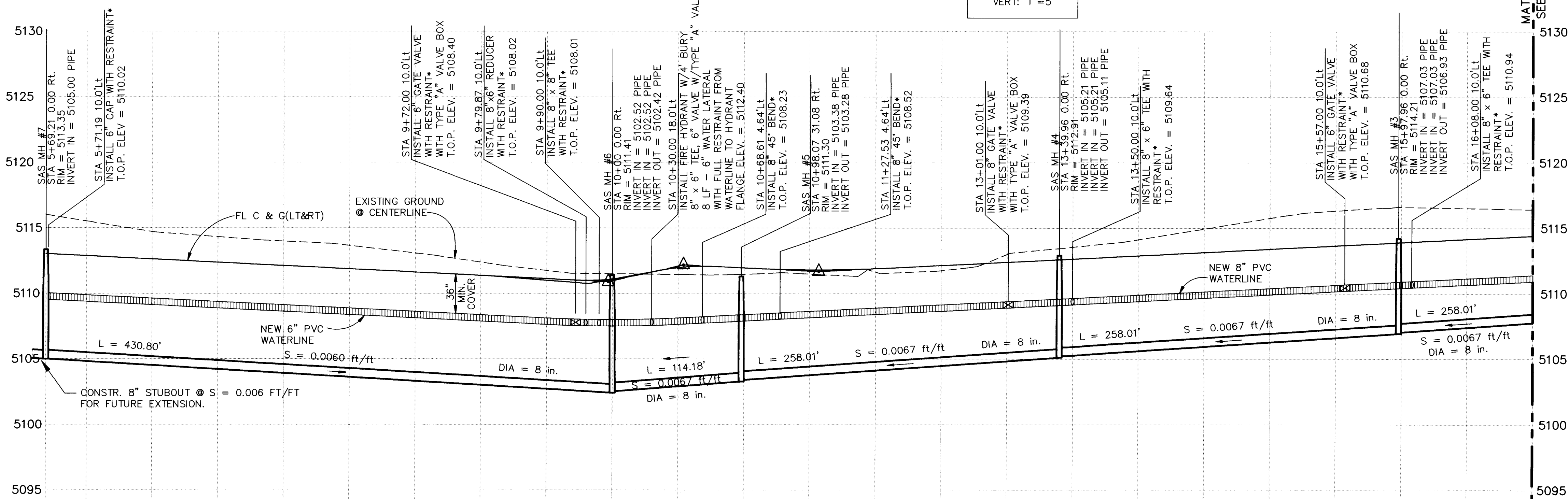
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:			
TORATOLLA ACRES PLAN AND PROFILE MIAMI RD. NW			
APPROVALS	ENGINEER	DATE	APPROVALS
DRC CHAIRMAN	8-24-94	8-24-94	WATER
TRANSPORTATION	8-02-94	8-02-94	WASTE WATER
HYDROLOGY	8-3-94	8-3-94	

PROJECT	MAP NO.	SHEET	OF
NO. 4950.90	H-10-Z	9	15



SCALE:
HORIZ: 1"=50'
VERT: 1"=5'



DATUM ELEV.
5090.00

EXISTING PROFILE
LT 16.00'

EXISTING PROFILE
RT 16.00'

Station	6+00	7+00	8+00	9+00	10+00	11+00	12+00	13+00	14+00	15+00	16+00	17+00
EXISTING PROFILE CENTERLINE	5115.5	5114.7	5114.3	5114.0	5113.7	5113.1	5112.4	5111.7	5111.5	5111.5	5111.5	5111.5
EXISTING PROFILE LT 16.00'	5115.6	5114.8	5114.4	5114.1	5113.8	5113.2	5112.5	5111.8	5111.7	5111.3	5111.7	5116.5
EXISTING PROFILE RT 16.00'	5115.4	5114.6	5114.3	5113.9	5113.5	5112.9	5112.3	5111.7	5111.3	5111.3	5111.7	5116.5

LEGEND	
EXISTING CURB & GUTTER	---
NEW CURB & GUTTER	==
NEW SAS MAINLINE	— SAS —
NEW SAS SERVICE LINE	— S —
NEW SAS MANHOLE & NUMBER	MH #1
NEW WATER MAINLINE	— W —
NEW WATER SERVICE LINE	— WS —
NEW GATE VALVE	GV
NEW FIRE HYDRANT	+
NEW VALLEY GUTTER	V

- WATER AND SEWER NOTES
- CONSTRUCT TYPE "C" MANHOLES PER STD. DWG.# 2101.
 - CONSTRUCT SAS SERVICE LINES PER STD. DWG.# 2125.
 - CONSTRUCT ALL CONCRETE BLOCKING PER STD. DWG.# 2320.
 - CONSTRUCT ALL VALVE BOXES PER NEW C.O.A. VALVE BOX DETAIL WITH NON-TAPERED CONCRETE COLLAR.
 - CONSTRUCT ALL FIRE HYDRANTS PER DESIGNATED DEPTHS AND LENGTHS PER STD. DWG.# 2340.
 - CONSTRUCT ALL SINGLE AND DOUBLE WATER SERVICE LINES PER STD. DWG.# 2361, 2362 AND 2363.
 - SEE SHEET 4 (SITE UTILITY PLAN) FOR SAS AND WATER SERVICE INFORMATION.
 - RESTRAINT DISTANCES FOR PIPE FITTINGS SHALL BE DEFINED BY TABLE ON SHEET 5 OF 15.

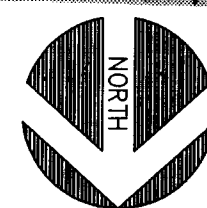
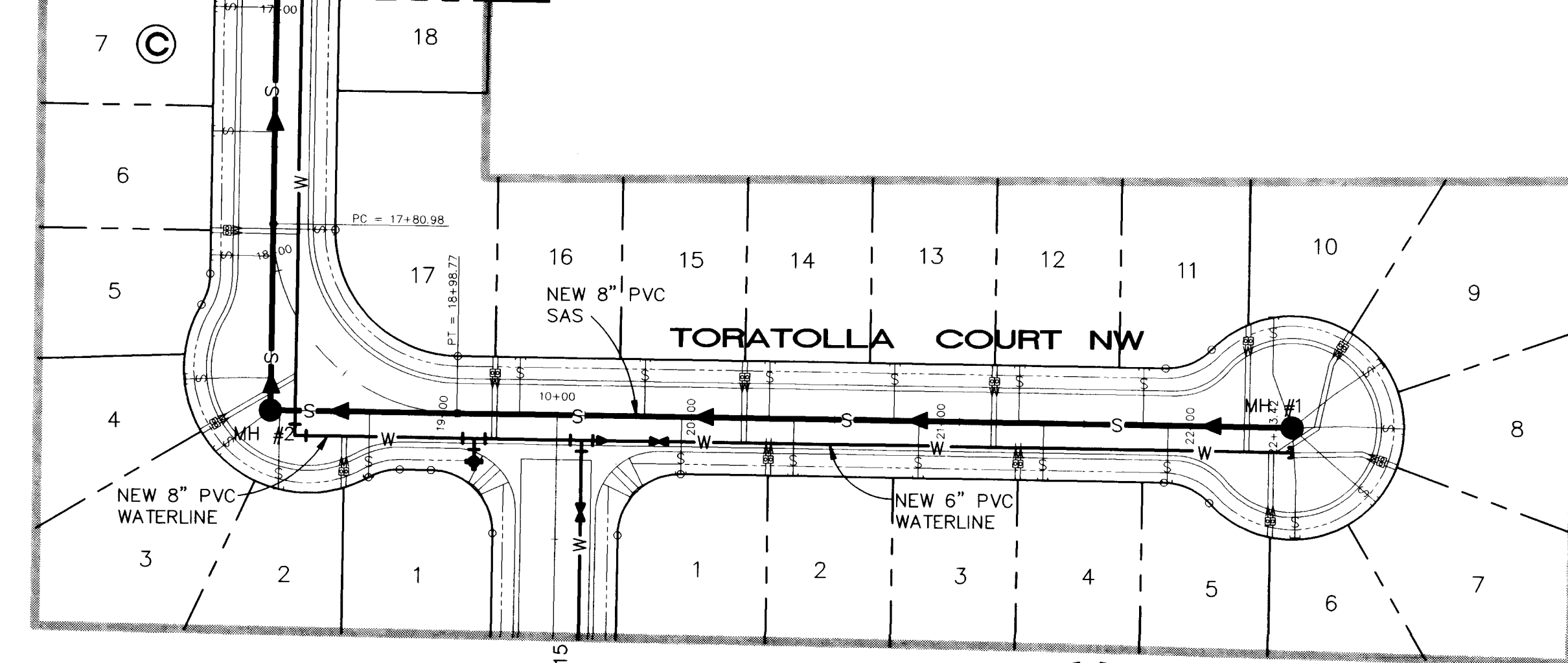
SCANNED BY
BY LASON

26 4950.90, 10.095

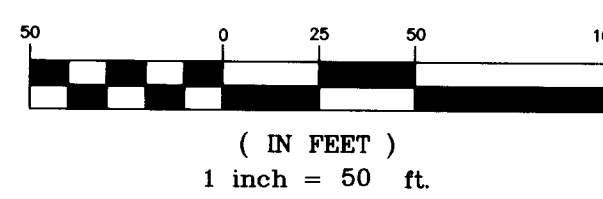
Terry O. Brown, P.E.
P. O. Box 92051
Albuquerque, NM 87199
(505) 883-8807

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: TORATOLLA ACRES UTILITY PLAN AND PROFILE MARIGOT RD. NW & 68TH ST. NW - 5+69.21 - 17+00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B. J. Bailey	8-24-94	WATER		
TRANSPORTATION	Mark Baker	8-24-94	WASTE WATER		
HYDROLOGY	N/A SMC	8-24-94			
PROJECT NO.	4950.90	MAP NO.	H-10-Z	SHEET	10 OF 15

MATCHLINE STA 17+00 SEE SHEET 10 OF 15



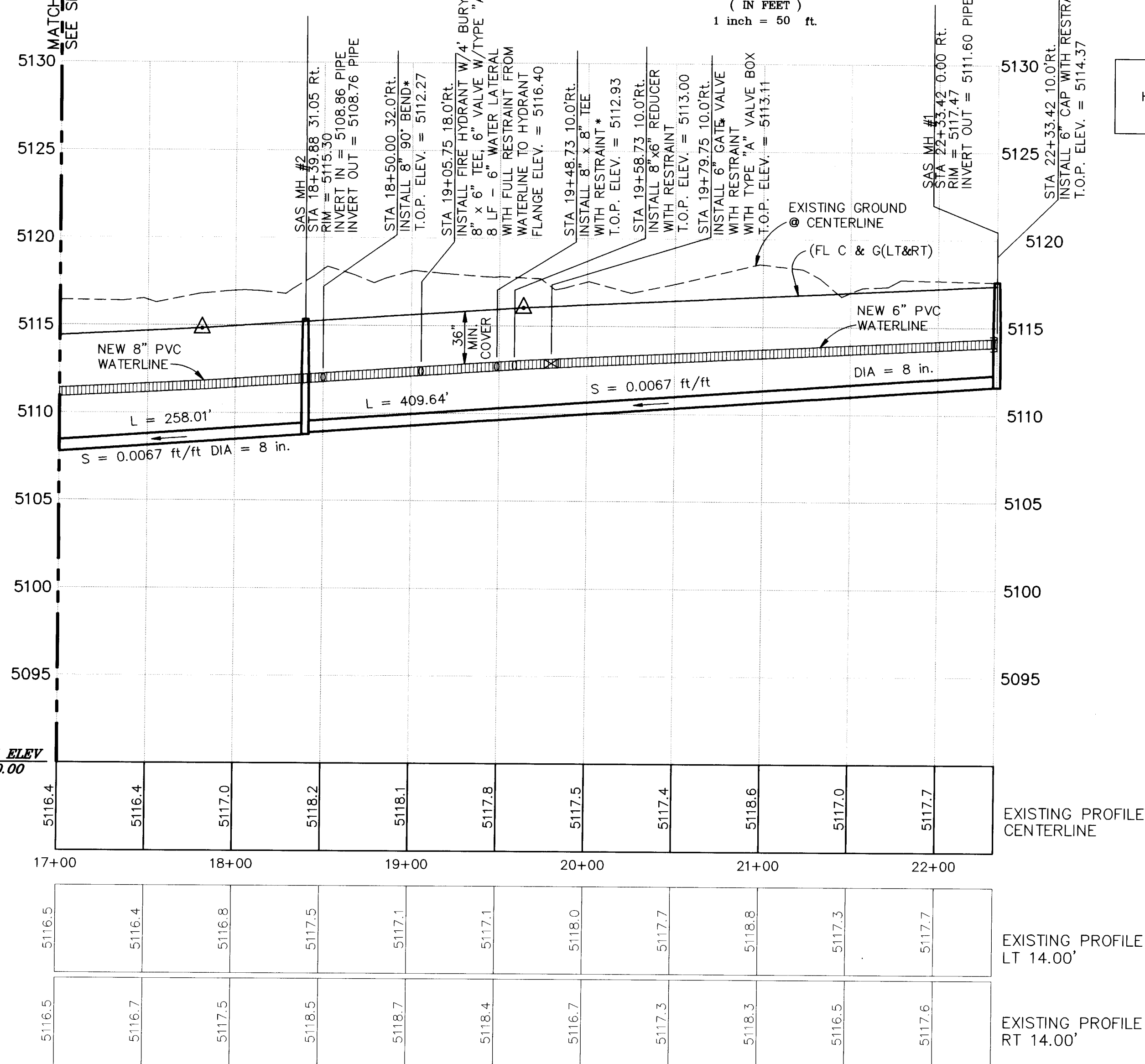
GRAPHIC SCALE



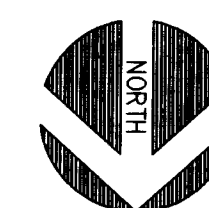
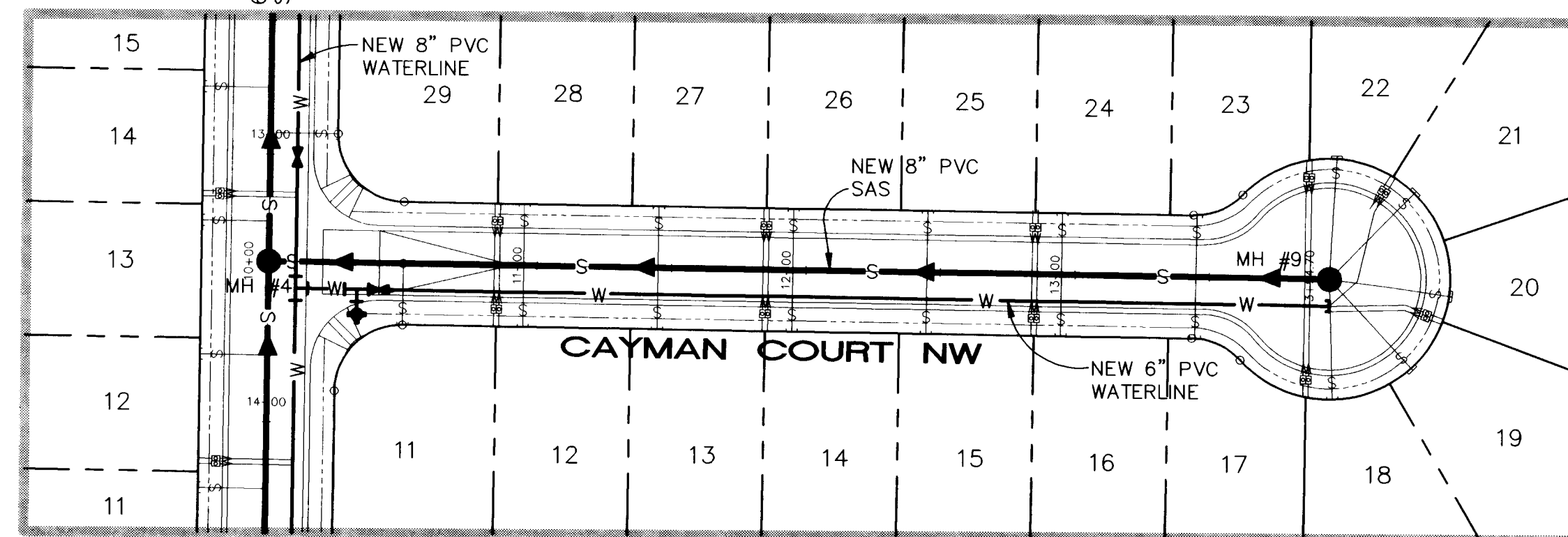
SCALE:
HORIZ: 1"=50'
VERT: 1"=5'

MATCHLINE STA 17+00
SEE SHEET 10 OF 15

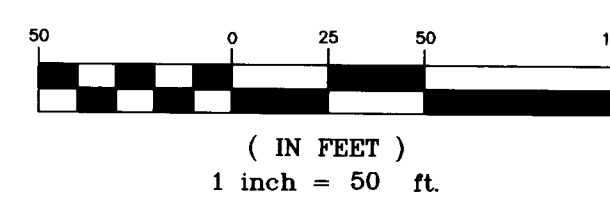
TORATOLLA COURT NW



68TH ST.
SEE SHEET 10 OF 15

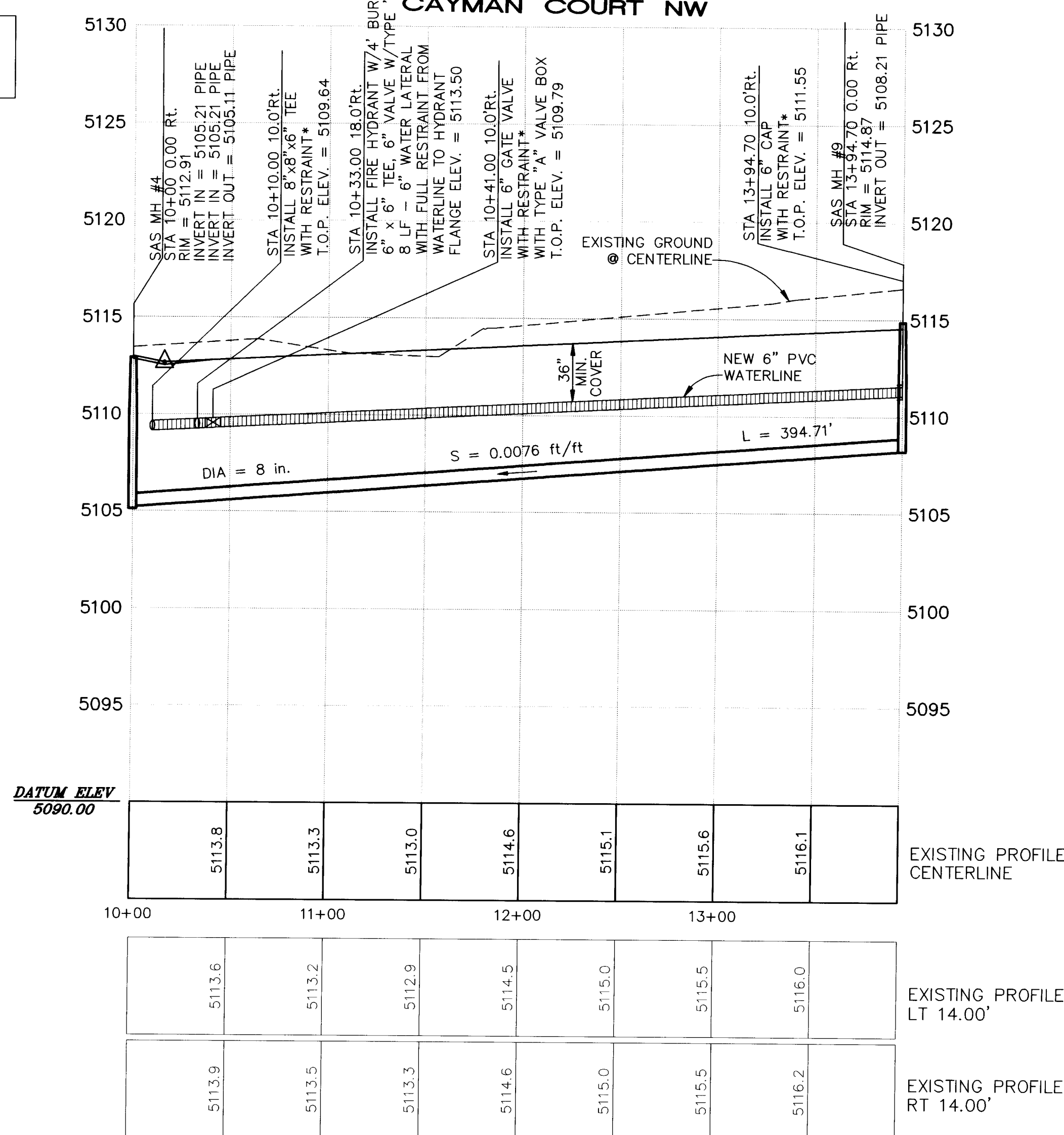


GRAPHIC SCALE



SCALE:
HORIZ: 1"=50'
VERT: 1"=5'

CAYMAN COURT NW



- LEGEND**
- EXISTING CURB & GUTTER
 - NEW CURB & GUTTER
 - NEW SAS MAINLINE
 - NEW SAS SERVICE LINE
 - NEW SAS MANHOLE & NUMBER
 - NEW WATER MAINLINE
 - NEW WATER SERVICE LINE
 - NEW GATE VALVE
 - NEW FIRE HYDRANT
 - NEW VALLEY GUTTER

- WATER AND SEWER NOTES**
- CONSTRUCT TYPE "C" MANHOLES PER STD. DWG.# 2101.
 - CONSTRUCT SAS SERVICE LINES PER STD. DWG.# 2125.
 - CONSTRUCT ALL CONCRETE BLOCKING PER STD. DWG.# 2320.
 - CONSTRUCT ALL VALVE BOXES PER NEW C.O.A. VALVE BOX DETAIL WITH NON-TAPERED CONCRETE COLLAR.
 - CONSTRUCT ALL FIRE HYDRANTS PER DESIGNATED DEPTHS AND LENGTHS PER STD. DWG.# 2340.
 - CONSTRUCT ALL SINGLE AND DOUBLE WATER SERVICE LINES PER STD. DWG.# 2361, 2362 AND 2363.
 - SEE SHEET 4 (SITE UTILITY PLAN) FOR SAS AND WATER SERVICE INFORMATION.
 - RESTRAINT DISTANCES FOR PIPE FITTINGS SHALL BE DEFINED BY TABLE ON SHEET 3 OF 15.

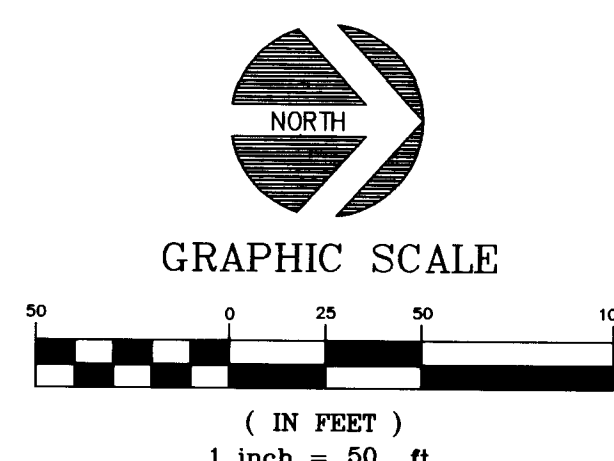
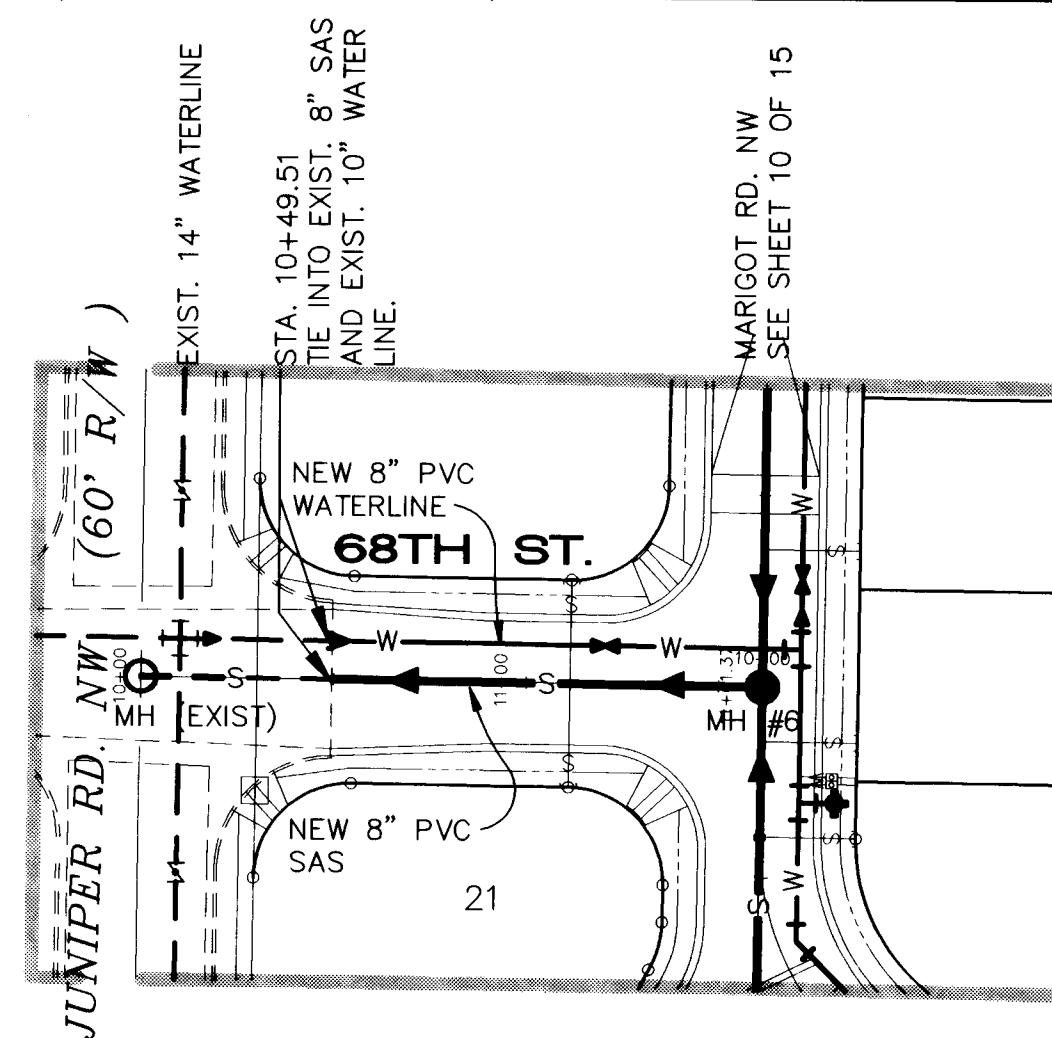
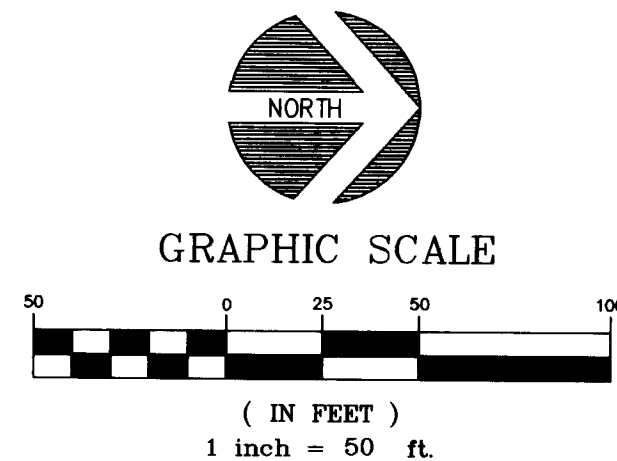
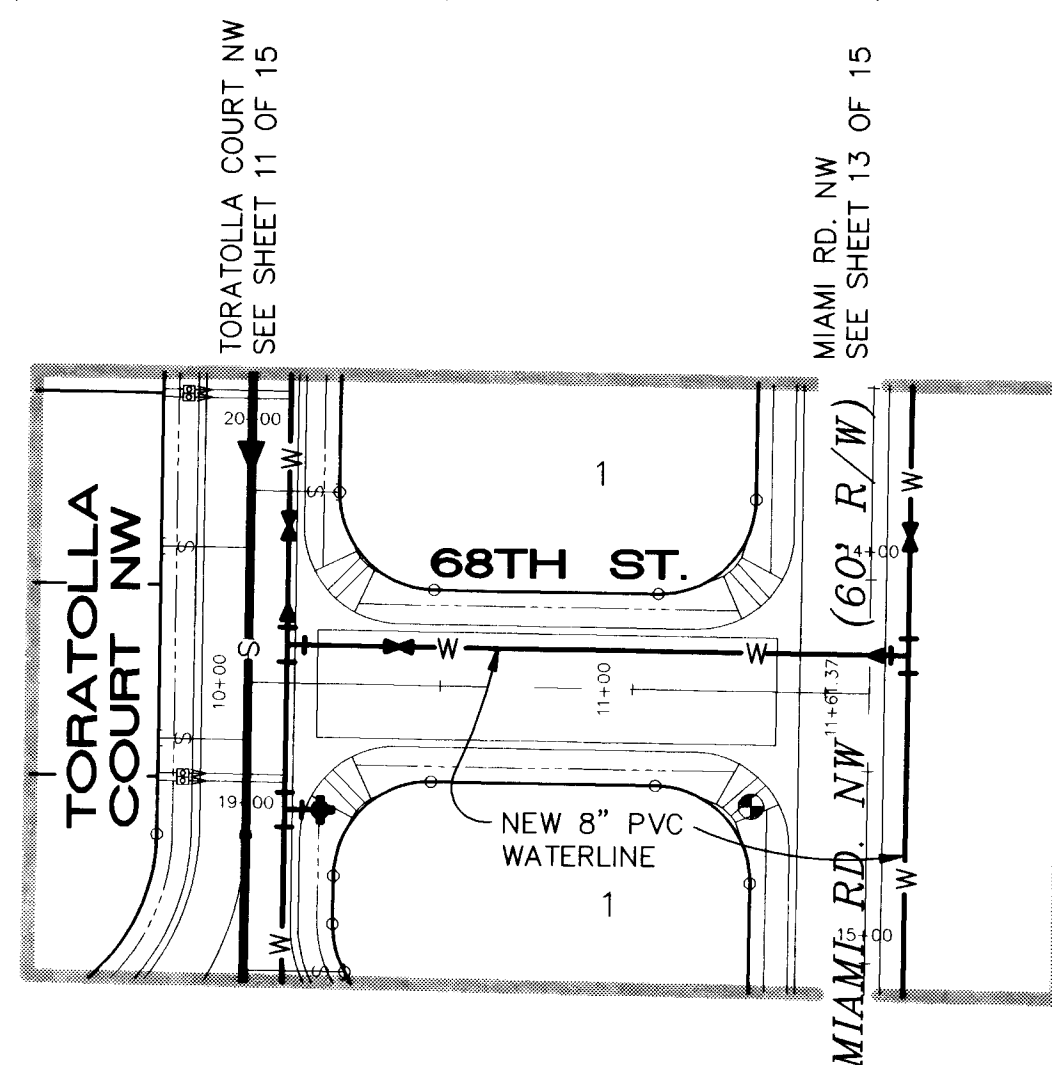
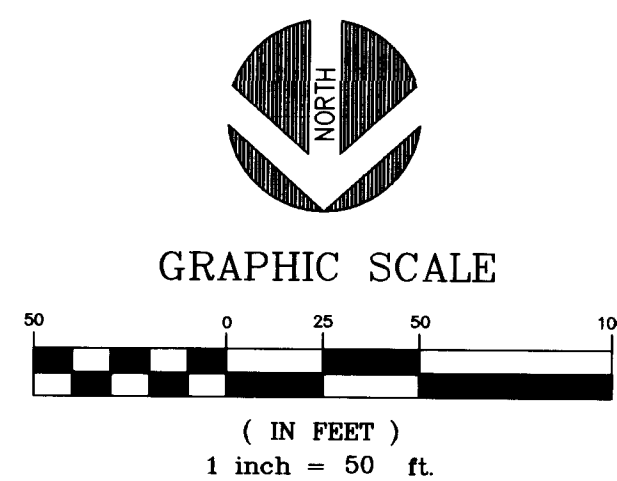
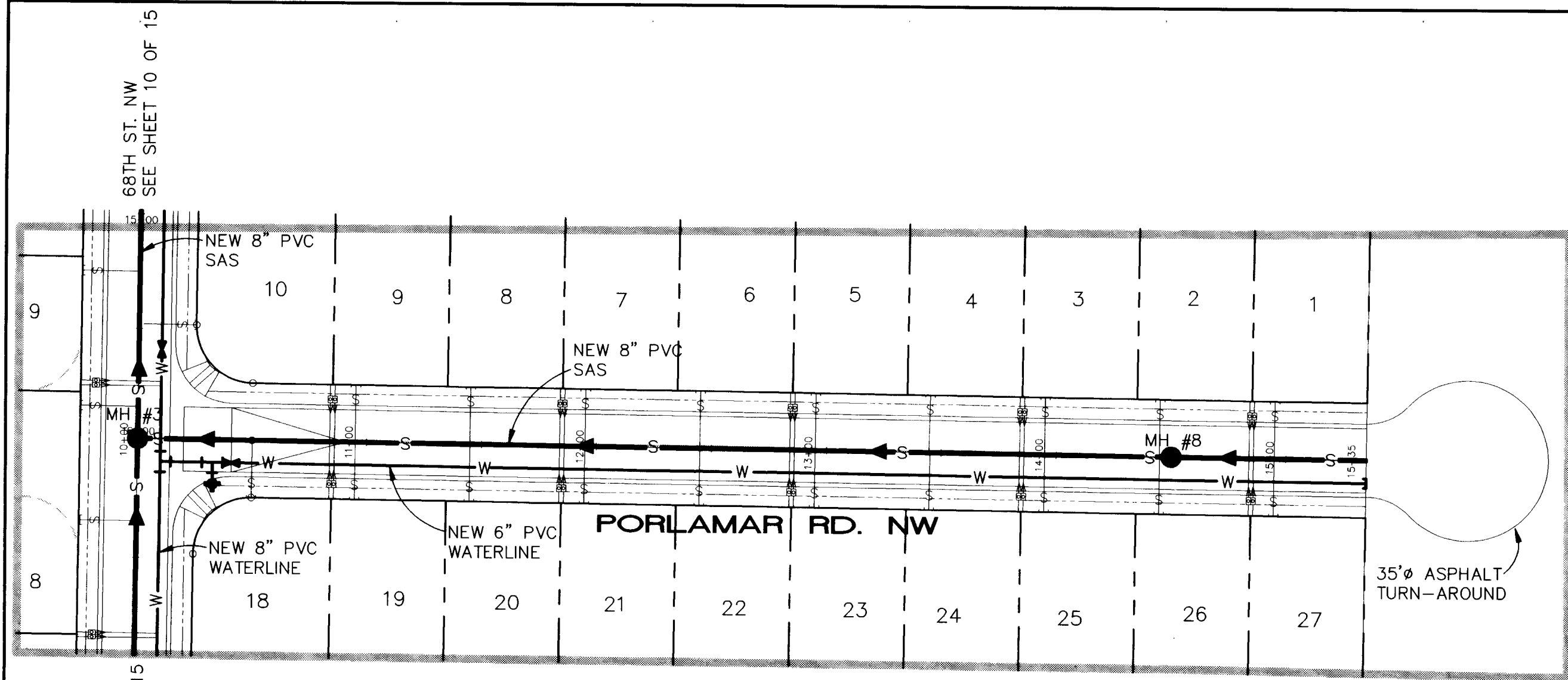
SCANNED BY
BY LASON

26 4950.90 1195

Terry O. Brown, P.E.
P. O. Box 92051
Albuquerque, N.M. 87199
(505) 883-8807

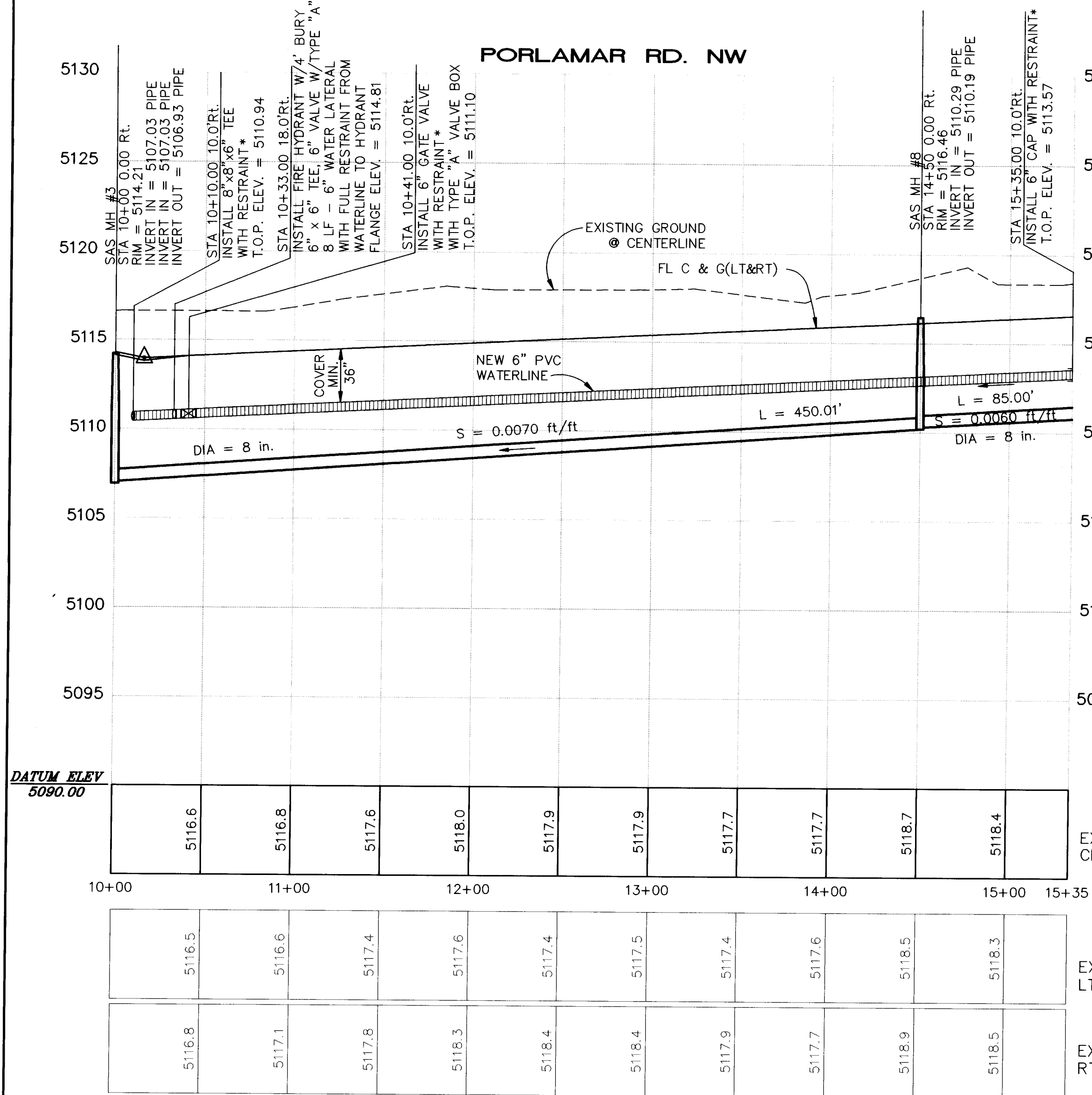
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TORATOLLA ACRES UTILITY PLAN AND PROFILE 68TH ST. NW 17+00 - 22+33.42 AND CAYMAN CT. NW					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	8-24-94		WATER		
TRANSPORTATION	8-24-94		WASTE WATER		
HYDROLOGY	8-24-94				
PROJECT NO.	4950.90	MAP NO.	H-10-Z	SHEET	11 OF 15

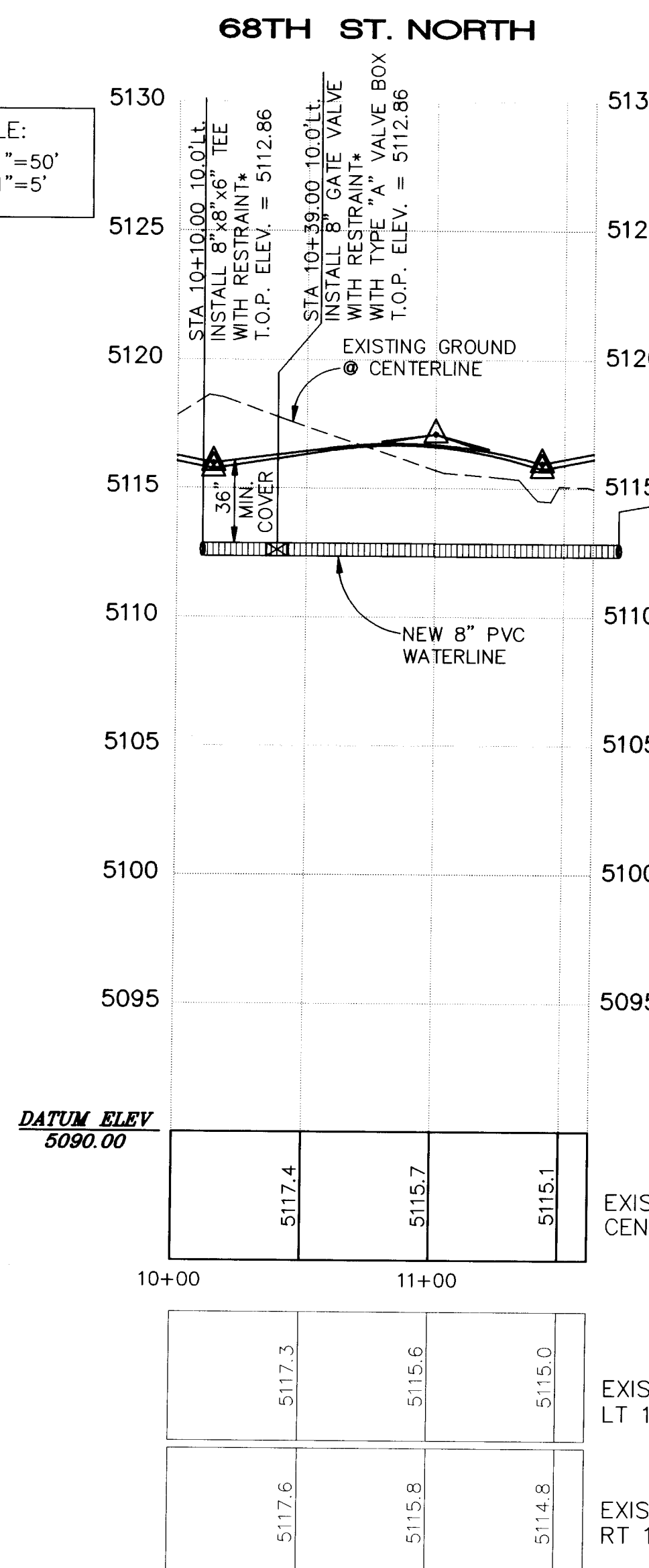


- LEGEND**
- EXISTING CURB & GUTTER
 - NEW CURB & GUTTER
 - NEW SAS MAINLINE
 - NEW SAS SERVICE LINE
 - NEW SAS MANHOLE & NUMBER
 - NEW WATER MAINLINE
 - NEW WATER SERVICE LINE
 - NEW GATE VALVE
 - NEW FIRE HYDRANT
 - NEW VALLEY GUTTER

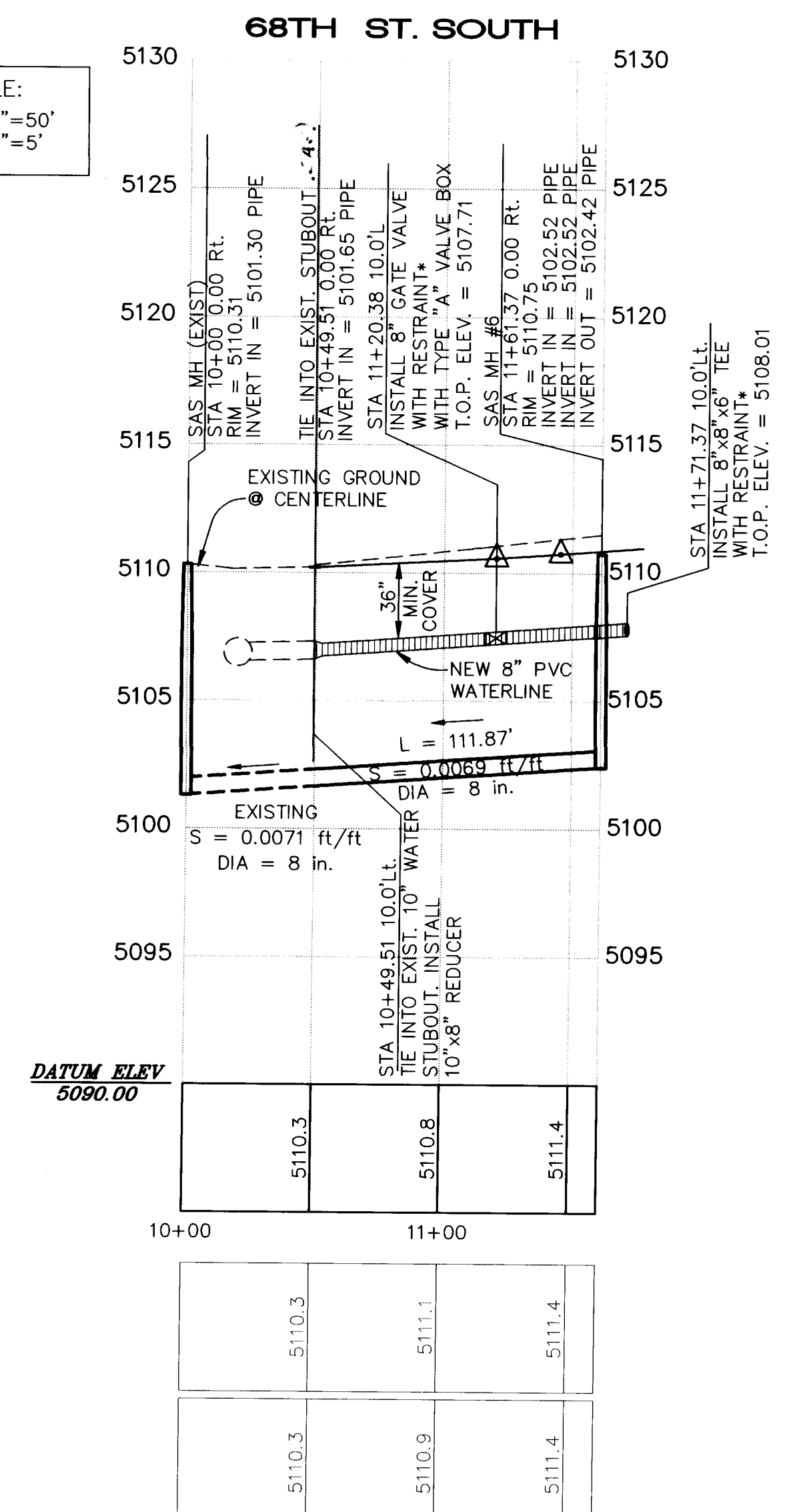
- WATER AND SEWER NOTES**
- CONSTRUCT TYPE "C" MANHOLES PER STD. DWG.# 2101.
 - CONSTRUCT SAS SERVICE LINES PER STD. DWG.# 2125.
 - CONSTRUCT ALL CONCRETE BLOCKING PER STD. DWG.# 2320.
 - CONSTRUCT ALL VALVE BOXES PER NEW C.O.A. VALVE BOX DETAIL WITH NON-TAPERED CONCRETE COLLAR.
 - CONSTRUCT ALL FIRE HYDRANTS PER DESIGNATED DEPTHS AND LENGTHS PER STD. DWG.# 2340.
 - CONSTRUCT ALL SINGLE AND DOUBLE WATER SERVICE LINES PER STD. DWG.# 2361, 2362 AND 2363.
 - SEE SHEET 4 (SITE UTILITY PLAN) FOR SAS AND WATER SERVICE INFORMATION.
 - RESTRAINT DISTANCES FOR PIPE FITTINGS SHALL BE DEFINED BY TABLE ON SHEET 3 OF 15.



SCALE:
HORIZ: 1"=50'
VERT: 1"=5'



SCALE:
HORIZ: 1"=50'
VERT: 1"=5'



SCANNED BY
BY LASON

Jerry O. Brown, P.E.
P. O. Box 92051
Albuquerque, N.M. 87199
(505) 883-8807

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP**

TITLE: TORATOLLA ACRES
UTILITY PLAN AND PROFILE
PORLAMAR RD. NW AND 68TH ST. NW NORTH & SOUTH

APPROVALS: ENGINEER DATE: 07/94
DRC CHAIRMAN DATE: 07/94
TRANSPORTATION DATE: 07/94
HYDROLOGY DATE: 07/94

DESIGNED BY: TOB
DRAWN BY: TOB
CHECKED BY: TOB

PROJECT NO.: 4950.90
MAP NO.: H-10-Z
SHEET OF: 12 15

AS BUILT INFORMATION

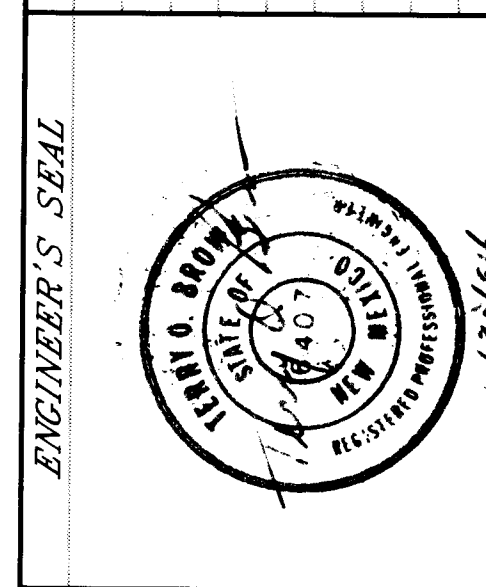
CONTRACTOR: SMC
STATIONED BY: SMC
DATE: 3/15
FIELD CHECKED BY: SMC
DATE: 3/15
DRAWINGS CORRECTED BY: SMC
DATE: 3/15
RECORDED BY: SMC
DATE: 3/15

BENCH MARKS

ACS MONUMENT "6-110", 3-1/4" ALUMINUM CAP IN THE CENTER MEDIAN OF I-40, 0.81 MILES WEST OF COURSE BLVD. ELEVATION: 5117.13, SLD 1929

SURVEY INFORMATION

FIELD NOTES BY: []
NO. []

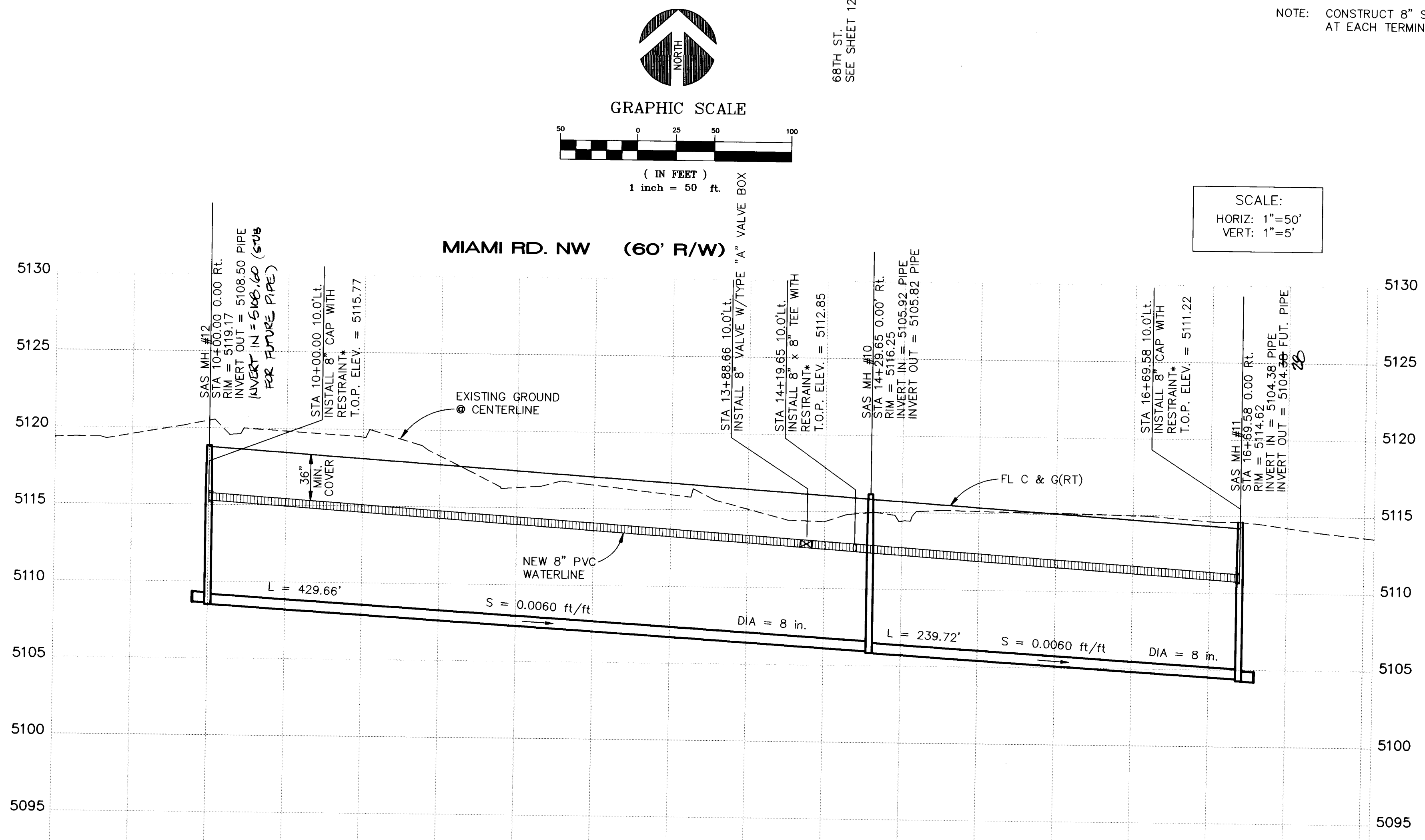
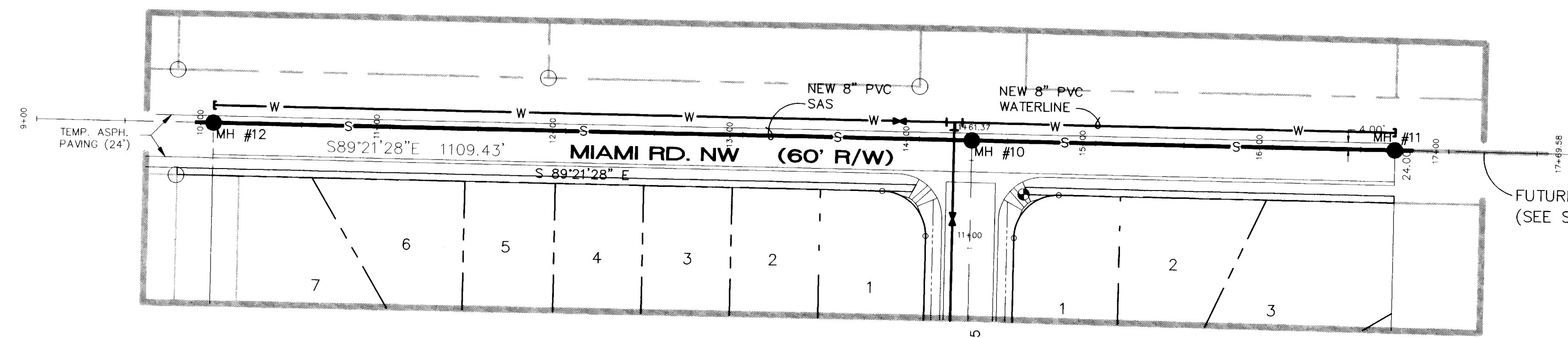


REMARKS: REVISED DESIGN

NO. DATE: [] []

DESIGNED BY: TOB
DRAWN BY: TOB
CHECKED BY: TOB

DATE: 07/94
DATE: 07/94
DATE: 07/94



5119.6	5120.5	5119.8	5119.5	5118.3	5116.3	5116.5	5116.0	5115.1	5114.4	5114.4	5115.1	5115.1	5115.0	5114.6	5114.3	5113.7
9+00	10+00	11+00	12+00	13+00	14+00	15+00	16+00	17+00								
5119.4	5119.4	5120.0	5119.4	5117.9	5116.0	5116.7	5116.2	5114.3	5114.0	5114.2	5114.8	5114.8	5114.7	5114.5	5114.1	5113.5
5119.4	5119.9	5119.6	5119.3	5118.7	5116.6	5115.9	5115.7	5115.8	5114.8	5114.6	5114.6	5115.3	5115.2	5114.8	5114.4	5113.4

EXISTING PROFILE
CENTERLINE

EXISTING PROFILE
LT 20.00'

EXISTING PROFILE
RT 20.00'

LEGEND
EXISTING CURB & GUTTER
NEW CURB & GUTTER
NEW SAS MAINLINE
NEW SAS MANHOLE & NUMBER
NEW WATER MAINLINE
NEW VALLEY GUTTER

WATER AND SEWER NOTES
1. CONSTRUCT TYPE "C" MANHOLES PER STD. DWG.# 2101.
2. CONSTRUCT SAS SERVICE LINES PER STD. DWG.# 2125.
3. CONSTRUCT ALL CONCRETE BLOCKING PER STD. DWG.# 2320.
4. CONSTRUCT ALL VALVE BOXES PER NEW C.O.A. VALVE BOX DETAIL WITH NON-TAPERED CONCRETE COLLAR.
5. CONSTRUCT ALL FIRE HYDRANTS PER DESIGNATED DEPTHS AND LENGTHS PER STD. DWG.# 2340.
6. CONSTRUCT ALL SINGLE AND DOUBLE WATER SERVICE LINES PER STD. DWG.# 2361, 2362 AND 2363.
7. SEE SHEET 4 (SITE UTILITY PLAN) FOR SAS AND WATER SERVICE INFORMATION.
8. RESTRAINT DISTANCES FOR PIPE FITTINGS SHALL BE DEFINED BY TABLE ON SHEET 3 OF 15.

AS BUILT INFORMATION
CONTRACTOR: SUNDANCE
STAKED BY: ALS, INC.
INSPECTOR'S FIELD CHECK BY: ALS, INC.
VERIFICATION BY: ALS, INC.
CORRECTED BY: ALS, INC.
MICRO-FILM INFORMATION
RECORDED BY: NO.
DATE: DATE

BENCH MARKS
ACS MONUMENT "6-J01", 3-1/4" ALUMINUM CAP IN THE CENTER MEDIAN OF I-40, 0.81 MILES WEST OF COORS BLVD. ELEVATION: 5117.13, SLD 1929

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

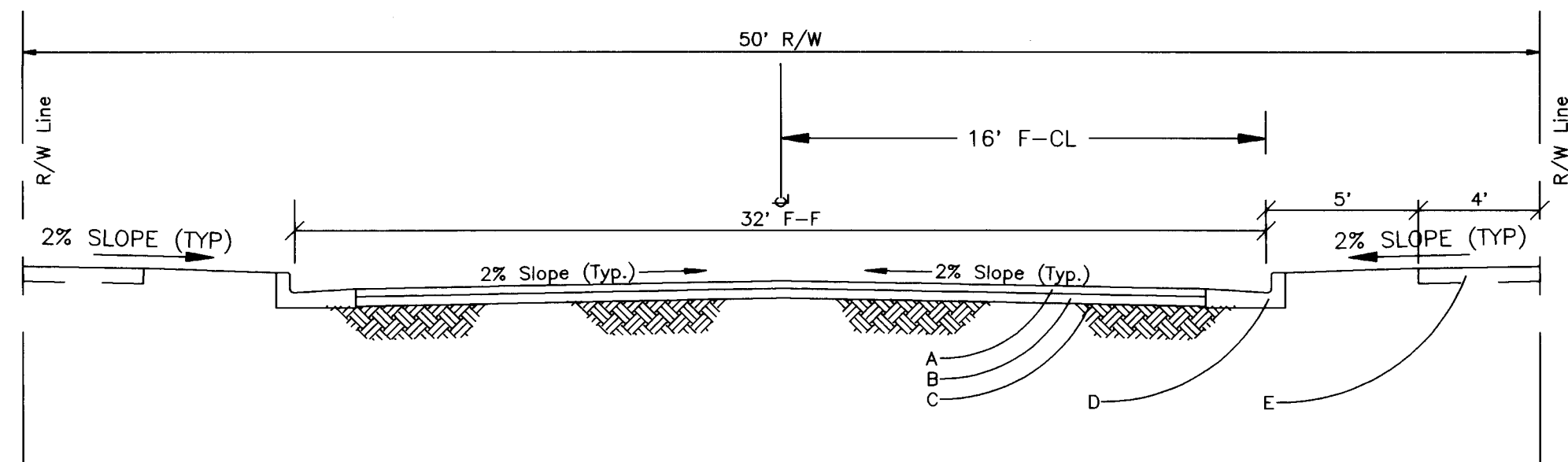
REMARKS
REVISIONS
DESIGN
NO. DATE BY
DESIGNED BY: TOB
DRAWN BY: TOB
CHECKED BY: TOB
DATE: 07/94
DATE: 07/94
DATE: 07/94

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP**

TITLE:
TORATOLLA ACRES
UTILITY PLAN AND PROFILE
MIAMI RD. NW

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	8-24-94	WATER	<i>[Signature]</i>	
TRANSPORTATION	<i>[Signature]</i>	8-02-94	WASTE WATER	<i>[Signature]</i>	
HYDROLOGY	<i>[Signature]</i>	8-3-94			

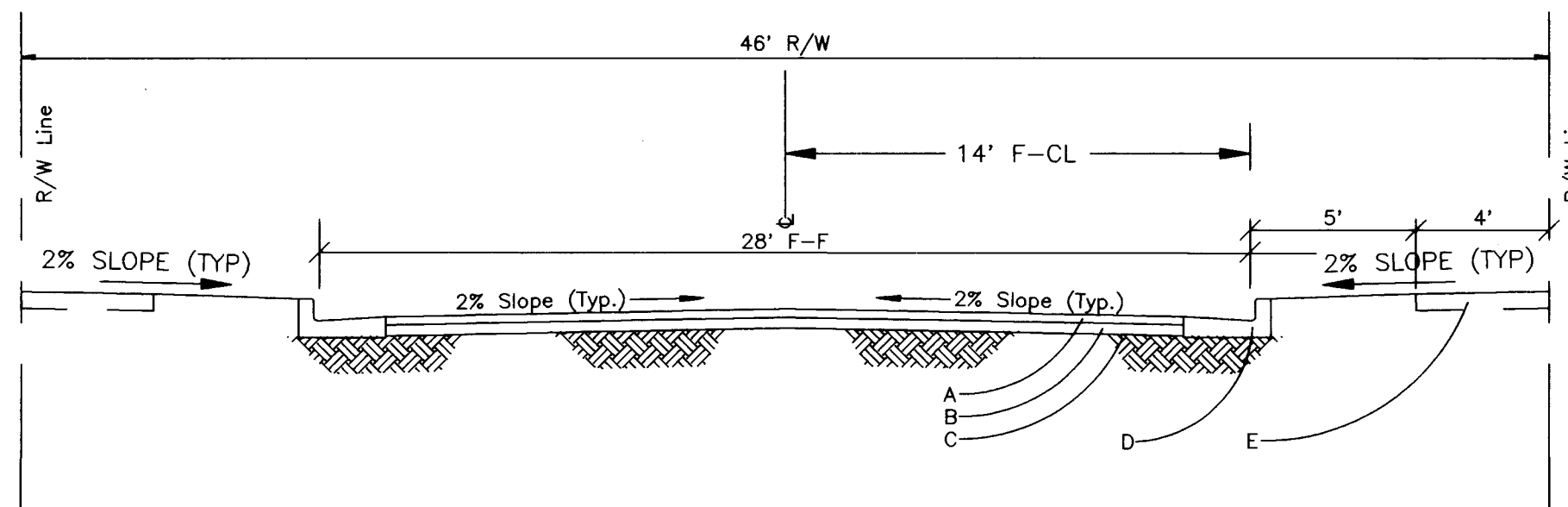
PROJECT NO.	MAP NO.	SHEET OF
4950.90	H-10-Z	13 15



Detail Notes for Typical Residential Street

A - A.C. Pavement
 B - 12" Compacted Subgrade Material (95% Compaction)
 C - Compacted Subgrade (90% Compaction)
 D - P.C.C. Standard Curb & Gutter
 E - 4" Thick by 4' Wide P.C.C. Sidewalk

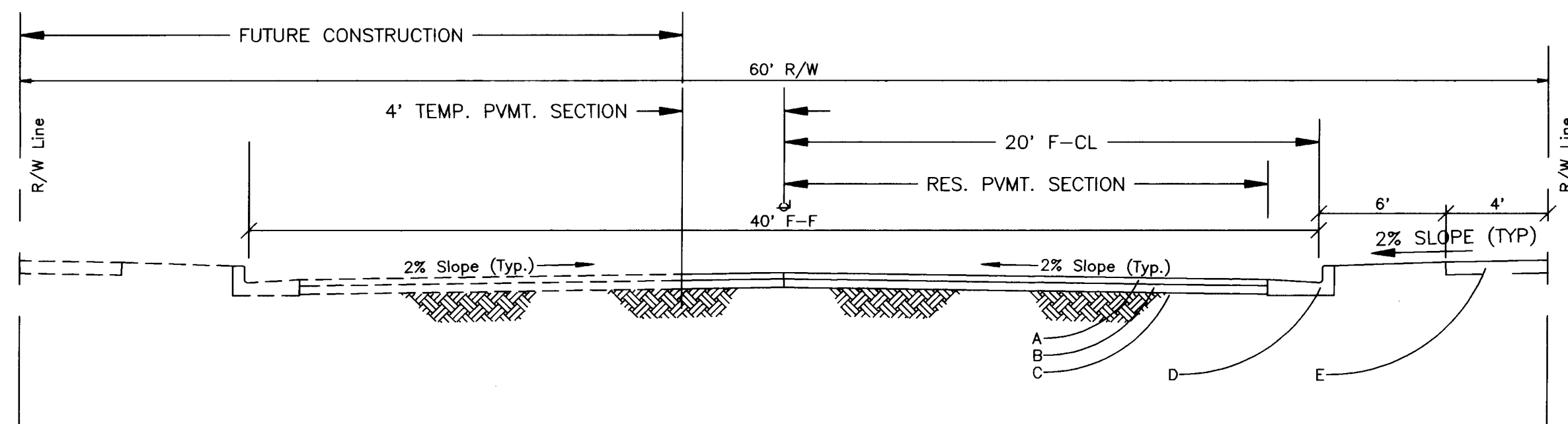
Section A-A (32' F-F STREET WIDTH)



Detail Notes for Typical Residential Street

A - A.C. Pavement
 B - 12" Compacted Subgrade Material (95% Compaction)
 C - Compacted Subgrade (90% Compaction)
 D - P.C.C. Standard Curb & Gutter
 E - 4" Thick by 4' Wide P.C.C. Sidewalk

Section B-B (28' F-F STREET WIDTH)

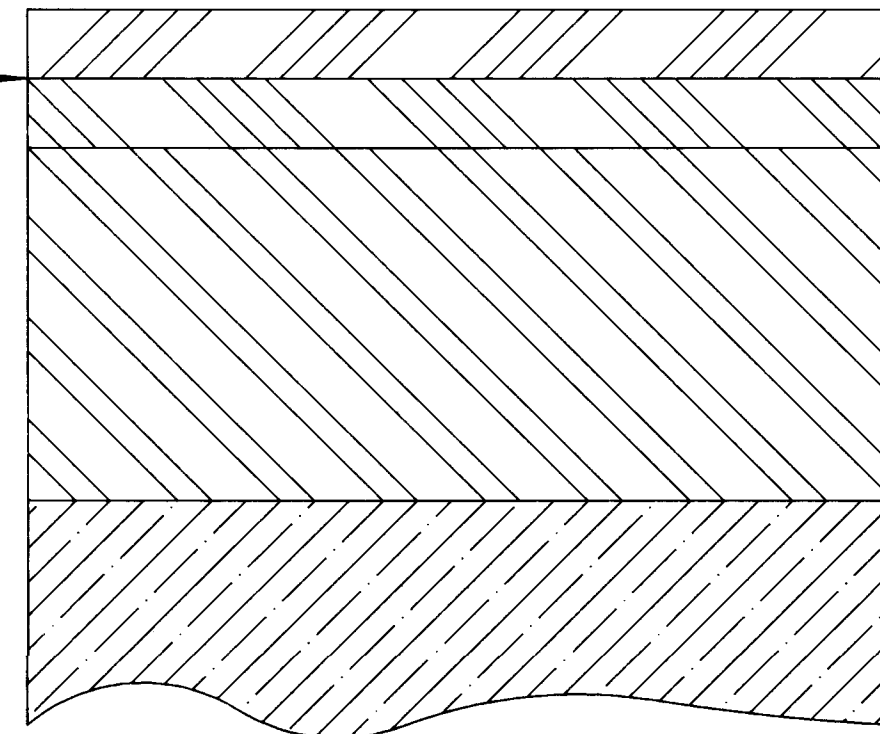


Detail Notes for Typical Residential Street

A - A.C. Pavement
 B - 12" Compacted Subgrade Material (95% Compaction)
 C - Compacted Subgrade (90% Compaction)
 D - P.C.C. Standard Curb & Gutter
 E - 4" Thick by 4' Wide P.C.C. Sidewalk

Section C-C (40' F-F STREET WIDTH - HALF STREET)

Tack Coat (if required)



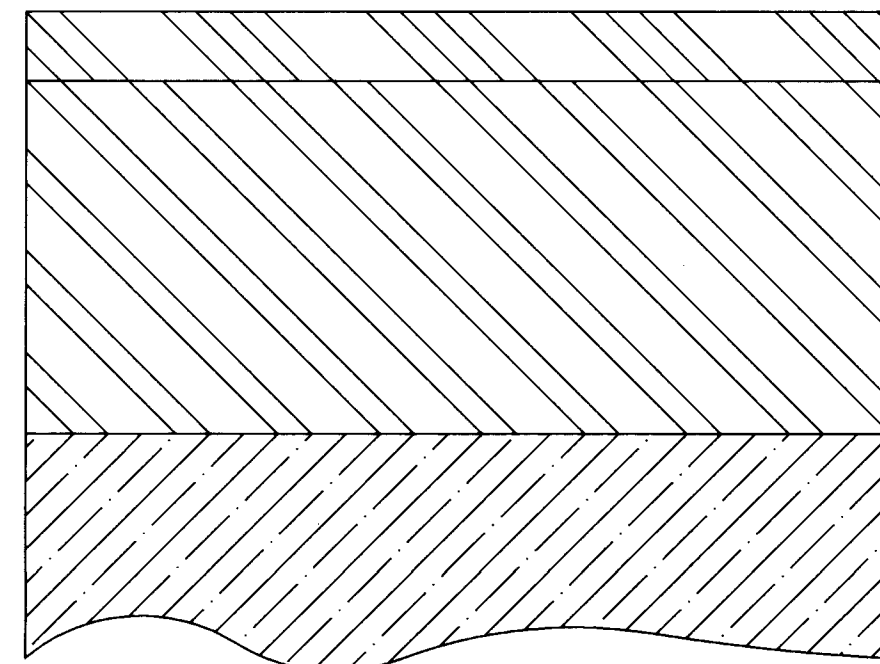
1-1/2" ASPHALT CONCRETE TYPICAL FINISH COURSE PLACED AFTER ALL MANHOLES, VALVES, COVERS/RINGS ARE SET TO GRADE. 1500 LBS. STABILITY - TYPE B GRADATION.

1-1/2" ASPHALT CONCRETE, 1500 LBS. STABILITY, TYPE A GRADATION.

1" SUBGRADE SOIL, R-VALUE > 50. PLACED IN 2'-6" COMPACTED LIFTS. 95% MIN. COMPACTION, AT OPT. MOISTURE $\pm 2.0\%$, ASTM D1557, OR OPT. MOIST. TO $\pm 4\%$, ASTM D698 FOR SOIL W/35% OR MORE MATERIAL PASSING THE NO. 200 SIEVE.

90% MIN. COMPACTION.

Typical Residential Street Pavement Section (Asphaltic Concrete Pavement)



2" ASPHALT CONCRETE, 1500 LBS. STABILITY, TYPE A GRADATION.

1" SUBGRADE SOIL, R-VALUE > 50. PLACED IN 2'-6" COMPACTED LIFTS. 95% MIN. COMPACTION, AT OPT. MOISTURE $\pm 2.0\%$, ASTM D1557, OR OPT. MOIST. TO $\pm 4\%$, ASTM D698 FOR SOIL W/35% OR MORE MATERIAL PASSING THE NO. 200 SIEVE.

90% MIN. COMPACTION.

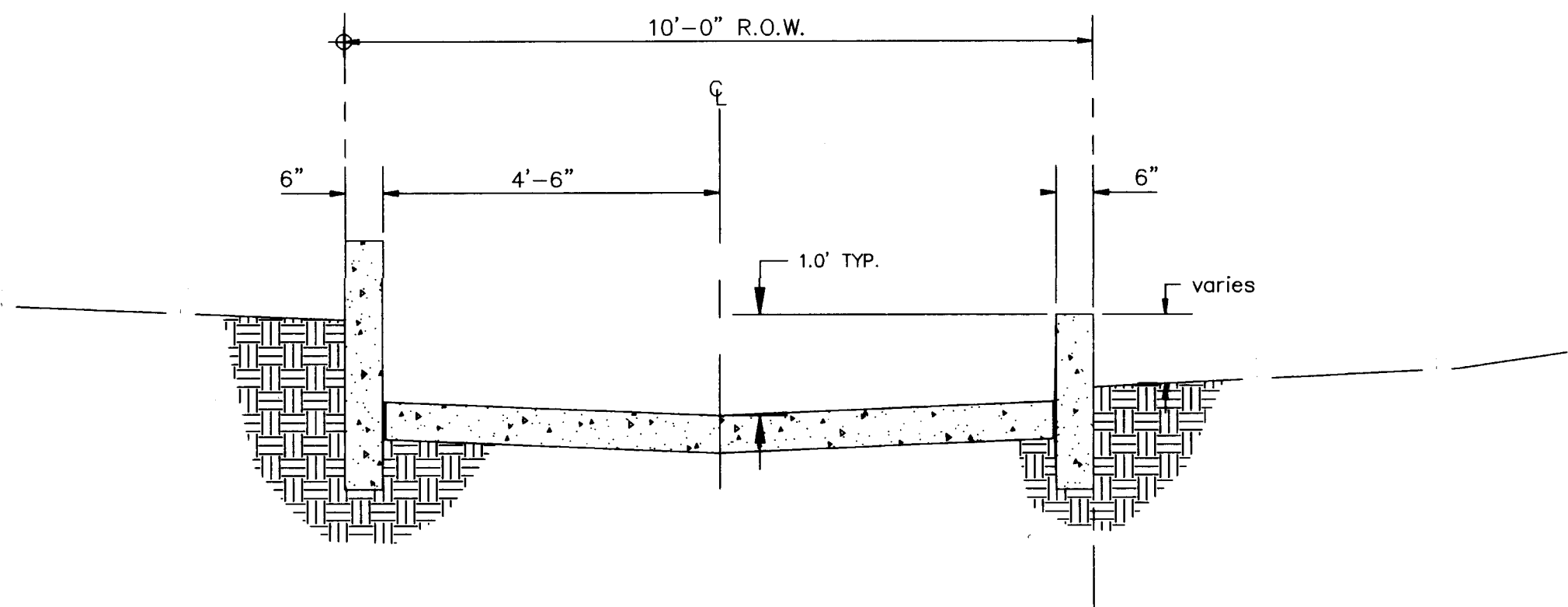
Typical Temporary Street Pavement Section (Asphaltic Concrete Pavement)

SCANNED BY
BY LASON

26 4950.90 1495

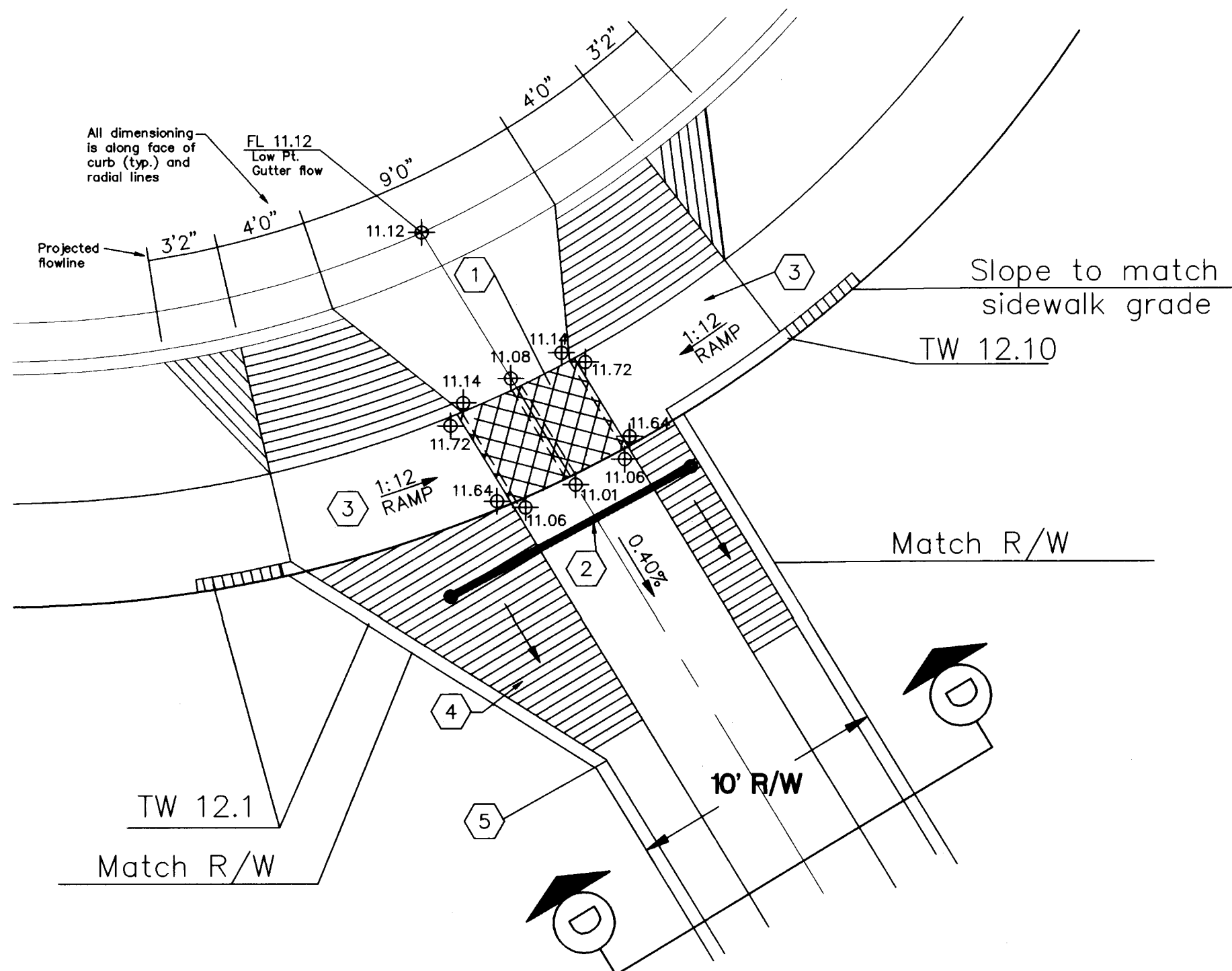
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CONTRACTOR	SUNSHINE	ACS MONUMENT "6-J10", 3-1/4" ALUMINUM CAP IN THE	DATE	FIELD NOTES	NO.	REMARKS	DESIGN
WORKED BY	ALS, INC.	CENTER MEDIAN OF I-40, 0.81 MILES W. OF COORS BLVD.	DATE	BY		NO.	DATE
INSPECTOR'S		ELEVATION: 5117.13, SLD 1929				DATE: 07/94	DATE: 07/94
ACCEPTANCE BY						DATE: 07/94	DATE: 07/94
VERIFICATION BY	ALS, INC.					DATE: 07/94	DATE: 07/94
DRAWN BY	ALS, INC.					DATE: 07/94	DATE: 07/94
CHECKED BY						DATE: 07/94	DATE: 07/94
MICRO-FILM INFORMATION							
RECORDED BY							
NO.							

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: TORATOLLA ACRES STREET DETAILS			
APPROVALS	ENGINEER	DATE	ENGINEER
DRC CHAIRMAN	8-24-94	8-24-94	8-24-94
TRANSPORTATION	8-24-94	8-24-94	8-24-94
HYDROLOGY	N/A SMC	8-24-94	8-24-94
PROJECT NO. 4950.90		MAP NO. H-10-Z	
SHEET 14		OF 15	

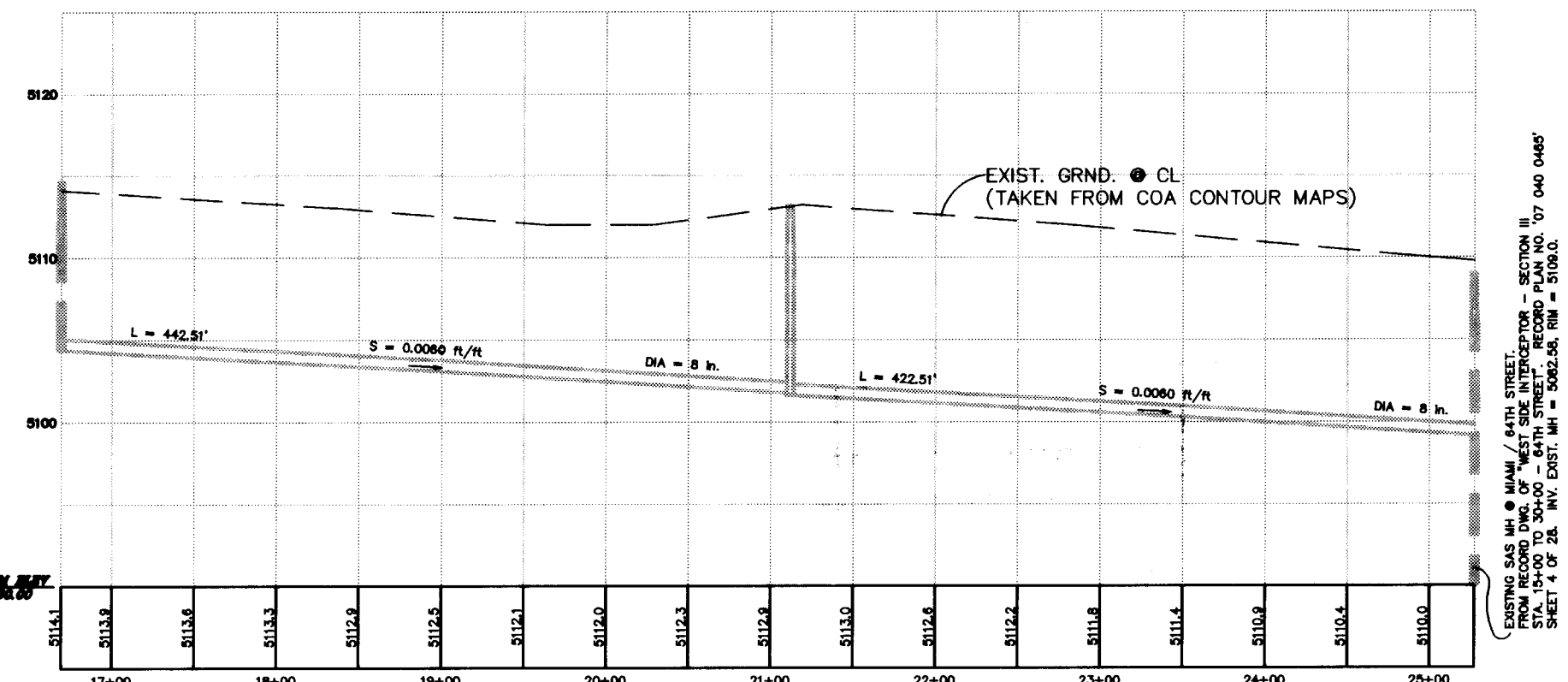
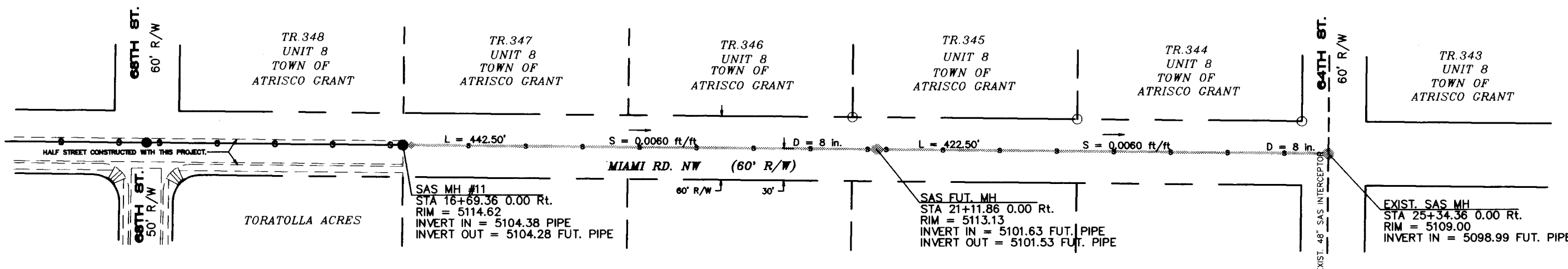


SECTION D-D FOR 10' R/W
1"=2'-0"

NOTE: Construct P.C. concrete rundown
per modified section shown above
and per C.O.A. Dwg. 2250.



DRAINAGE RUNDOWN ENTRANCE DETAIL
Scale: 1" = 5' 0"



CONCEPTUAL SAS PLAN FOR FUTURE MIAMI TO 64TH STREET

- KEYED CONSTRUCTION NOTES
1. Double (2 cell) drainage sidewalk culvert with steel plate top per C.O.A. Dwg. 2236. Length 4.6'.
 2. Pipe gate, top rail @ 42" ht., 11'0" wide per C.O.A. Dwg. 2251.
 3. 4" P.C.C. sidewalk to be constructed.
 4. 4' wide pedestrian access ramp.
 5. Begin Section A-A at end of ramp.

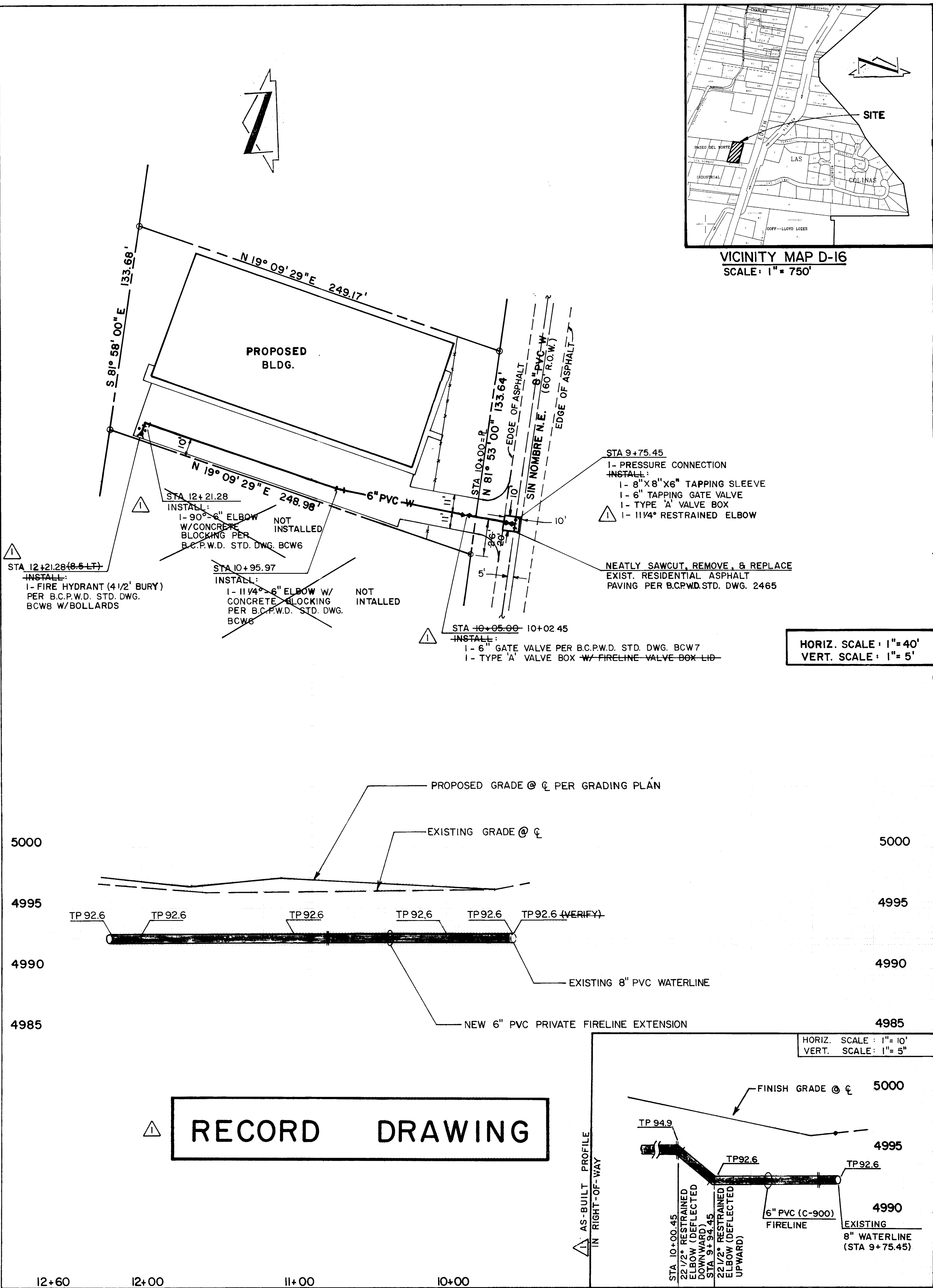
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
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INSPECTOR	DATE	DATE	DATE	DATE	DATE	DATE	DATE
FIELD	DATE	DATE	DATE	DATE	DATE	DATE	DATE
VERIFICATION	DATE	DATE	DATE	DATE	DATE	DATE	DATE
CORRECTED	DATE	DATE	DATE	DATE	DATE	DATE	DATE
RECORDED	DATE	DATE	DATE	DATE	DATE	DATE	DATE
NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.

DATE: 7/14/94

SCANNED BY
BY LASON

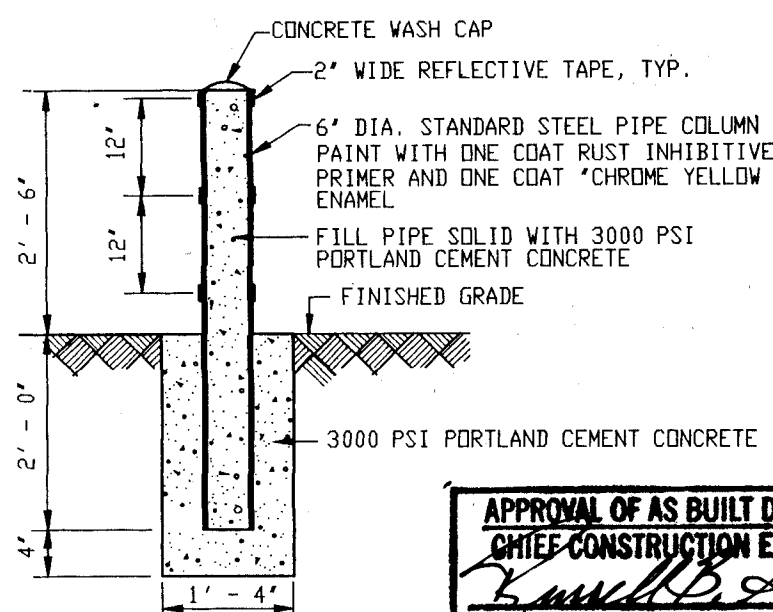
26 4950.901595

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: TORATOLLA ACRES DRAINAGE DETAILS/CONCEPTUAL SAS PLAN FOR FUTURE MIAMI TO 64TH ST.					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.G. Bailey	8-24-94	WATER	N/A	8-24-94
TRANSPORTATION	Blank	8-24-94	WASTE WATER	N/A	8-24-94
HYDROLOGY	John Calogian	8-3-94			
PROJECT NO.	4950.90	MAP NO.	H-10-Z	SHEET	15 OF 15



GENERAL NOTES:

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS-PUBLIC WORKS CONSTRUCTION-1986 - UPDATE NO. 4, OR BERNALILLO COUNTY STANDARDS, WHICHEVER ARE MORE STRINGENT.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- BACKFILL AND COMPACTION WITHIN COUNTY RIGHT-OF-WAY AND/OR EASEMENT SHALL BE 95% ASTM D-1557 FOR THE FULL DEPTH OF TRENCH PER COUNTY STANDARD DRAWING 2465.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED DURING CONSTRUCTION BY THE PROJECT ENGINEER.
- SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- IF CURB IS DEEPENED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- CONTRACTOR SHALL COORDINATE WITH THE WATER SYSTEM DIVISION FOR THE EXECUTION OF THE VALVE SHUT OFF PLAN, NOT LESS THAN THREE (3) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT THE EXISTING PUBLIC WATER UTILITIES. ONLY WATER SYSTEM DIVISION PERSONNEL SHALL OPERATE EXISTING VALVES. REFER TO SECTION 18 OF THE SPECIFICATION. THE WATER SYSTEM DIVISION PHONE NUMBER IS 857-8200.
- CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE SPECIFICATIONS.
- THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION CO-ORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. CONTRACTOR MUST REFER TO SECTION 19 OF THE STANDARD SPECIFICATION FOR TRAFFIC CONTROL.
- 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.
- THIS PROJECT IS TO BE CONSTRUCTED UNDER, AND IS SUBJECT TO THE TERMS AND CONDITIONS OF THE MASTER UTILITY EASEMENT AND RIGHT-OF-WAY AGREEMENT ENTERED INTO BETWEEN THE COUNTY OF BERNALILLO AND THE CITY OF ALBUQUERQUE, EFFECTIVE DATE 8/20/90.
- CAUTION: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.



TYPICAL BOLLARD SECTION

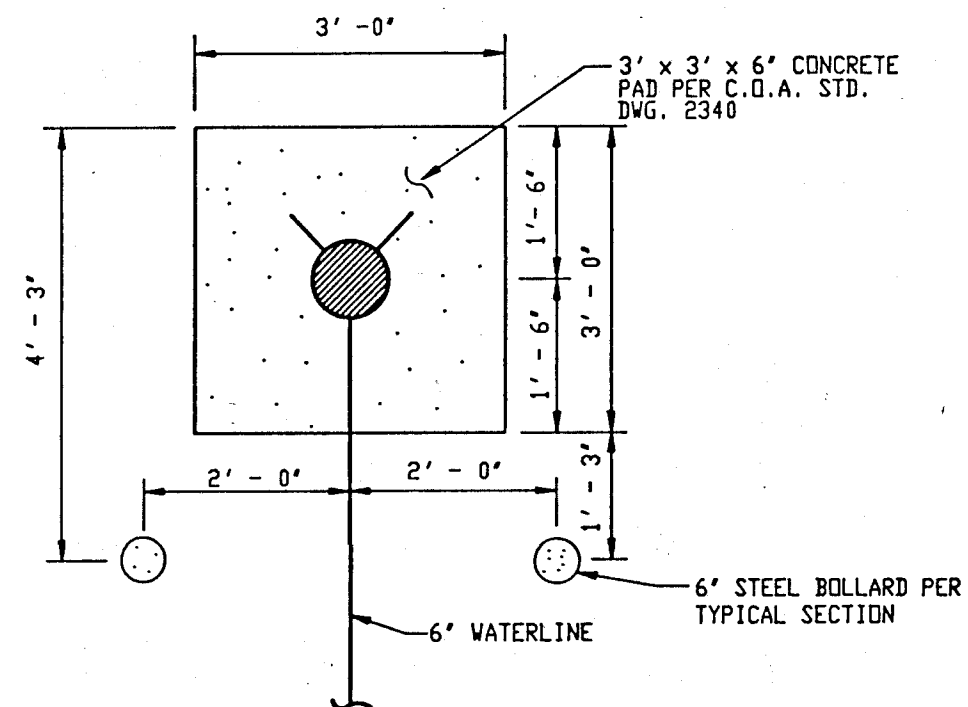
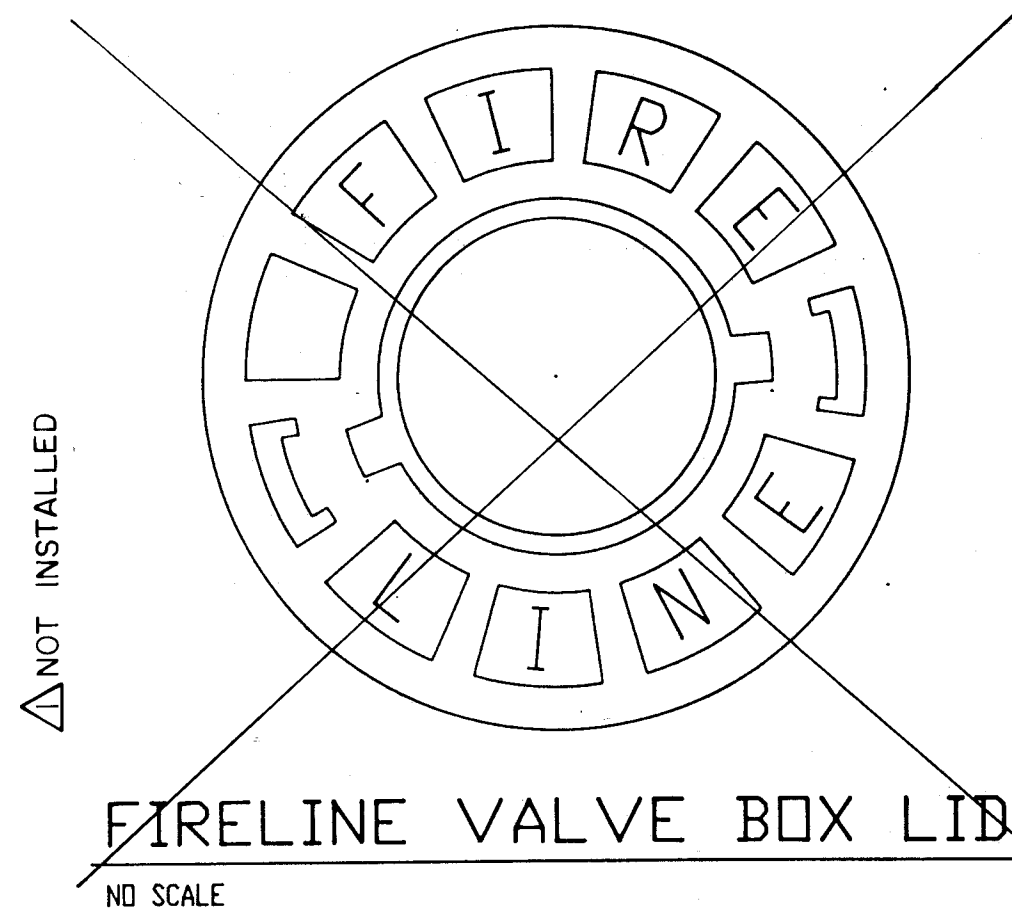
SCALE: 1" = 2" - 0"

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

26 4999.91 91010194

WATERLINE CONSTRUCTION NOTES:

- ALL STATIONING IS BASED ON WATERLINE CENTERLINE UNLESS INDICATED OTHERWISE.
- FOR ALL LINES 12" AND SMALLER, WATER MAIN SHALL BE PVC C-900 PIPE OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. FOR ALL LINES 12" AND LARGER, WATER MAIN SHALL BE CONCRETE CYLINDER OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC AND CONCRETE CYLINDER.
- WATERLINE SHALL HAVE A MINIMUM COVER OF 4'0" (FINISHED GRADE TO TOP OF PIPE). EXTRA DEPTH TRENCHING, IF REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
- ELECTRONIC MARKER DISCS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.
- IN ACCORDANCE WITH SECTION 801 OF THE "STANDARD SPECIFICATIONS", METALIZED DETECTABLE WARNING TAPE SHALL BE INSTALLED 18" ABOVE ALL PVC PIPE INSTALLED ON THIS PROJECT.
- VALVE STEM AND FIRE HYDRANT EXTENSIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE COST OF EACH EXTENSION SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
- JOINT RESTRAINT SHALL BE CONSIDERED INCIDENTAL TO WATERLINE CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.



FIRE HYDRANT BOLLARD DETAIL

SCALE: 1" = 2" - 0"

RECORD DRAWING

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

APPROVED FOR CONSTRUCTION
CITY ENGINEER
DATE 9-27-94

APPROVAL OF AS-BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 12-27-94

JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87109
ENGINEERS & SURVEYORS (505)435-4250

APPROVED FOR CONSTRUCTION
CITY ENGINEER
DATE 9-27-94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: 203 SIN NOMBRE COURT N.E.
PRIVATE FIRELINE EXTENSION

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	JEFF MORTENSEN	9-27-94	WATER	R.W. KANE	9-1-94
TRANSPORTATION	JEFF MORTENSEN	9-27-94	WASTE WATER	R.W. KANE	9-1-94
HYDROLOGY	JEFF MORTENSEN	9-27-94	B.C.P.W.D.	JEFF MORTENSEN	9-27-94

PROJECT NO. 4999.90
MAP NO. D-16
SHEET 1 OF 1