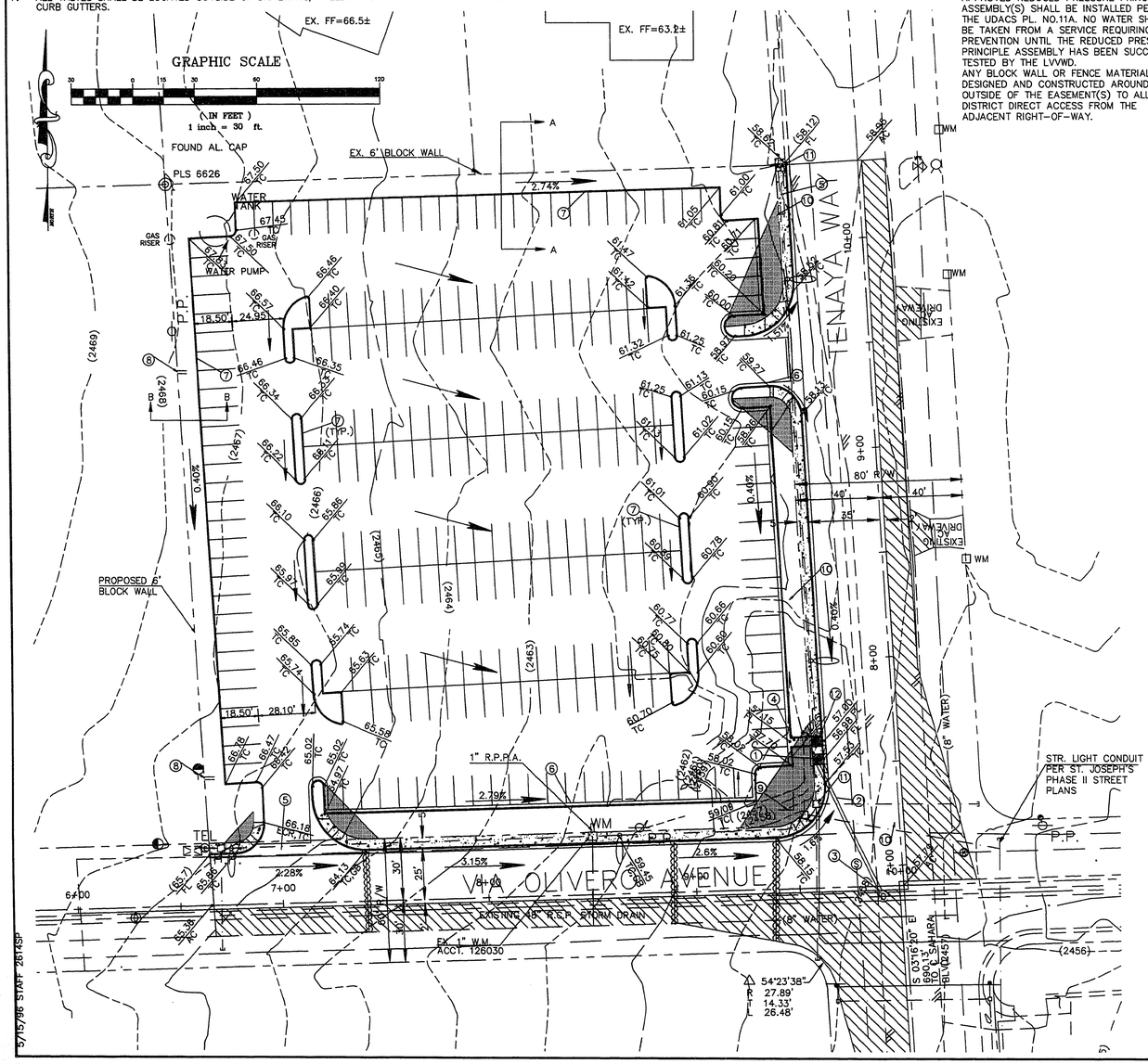
LAS VEGAS VALLEY WATER DISTRICT
WATER NOTES

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, 48 HOUR NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO A LVVWD INSPECTION.
2. ALL WORK SHALL CONFORM TO THE LVVWD'S STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS AND THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS), LATEST EDITION.
3. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.
4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
8. THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT A WATER LINE AND SANITARY OR STORM SEWER LINE CROSS:
   A MINIMUM EIGHTEEN (18) INCH VERTICAL SEPARATION (OUTSIDE TO OUTSIDE) MUST BE MAINTAINED WHEN THE WATER LINE IS INSTALLED OVER THE SANITARY OR STORM SEWER LINE. IF THE VERTICAL SEPARATION CANNOT BE MAINTAINED OR THE WATER LINE MUST BE PLACED UNDER THE SANITARY OR STORM SEWER LINE, THE SANITARY OR STORM SEWER LINE MUST BE CONSTRUCTED WITH ONE OF THE FOLLOWING OR, AS SHOWN ON THESE PLANS:
   A. POTABLE WATER SUPPLY QUALITY MATERIAL.
   B. ENCASEMENT, WITH FOUR (4) INCH CONCRETE (MINIMUM)
   C. SLEEVING WITH POTABLE WATER SUPPLY QUALITY PIPE.
   EACH PROVISION MUST EXTEND ALONG THE SANITARY OR STORM SEWER, ON EITHER SIDE OF THE MAIN, A MINIMUM 10 FOOT DISTANCE PERPENDICULAR TO THE WATER MAIN EXTERIOR.
9. WARNING TAPE SHALL BE REQUIRED OVER ALL MAINS, ALL SIX (6) INCH DIAMETER AND LARGER SERVICE LATERALS, AND ANY SERVICE LATERAL NOT INSTALLED PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH STANDARD PLATE NO. 27.
10. ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVVWD'S DISTRIBUTION SYSTEM.
11. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 FORTY-EIGHT (48) HOURS PRIOR TO PICKUP.
12. CONSTRUCTION MAY INTERRUPT SERVICE, WITH LVVWD APPROVAL AND PROPER NOTIFICATION, BETWEEN THE HOURS OF 10 PM AND 6 AM, SUNDAY THROUGH THURSDAY. CIRCUMSTANCES MAY REQUIRE TEMPORARY SERVICE FEEDS BE INSTALLED, WITHOUT LVVWD REIMBURSEMENT. ANY TEMPORARY SERVICE FEED MUST HAVE PRIOR LVVWD APPROVAL.
13. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVWD'S PRE-APPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.

NOTE:
APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PL. NO.11A. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVVWD.
ANY BLOCK WALL OR FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.



CONSTRUCTION NOTES

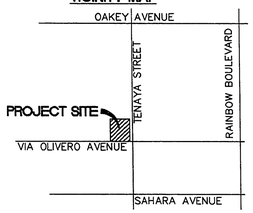
1. CONSTRUCT TYPE "A" DROP INLET PER C.C. STD. DWG. NO.411 L = 4.0', INV. 18" R.C.P. = 44.92, D=12.06' RFF. PROFILE ON SHEET C2.
2. CONSTRUCT 70.6 L.F. 18" R.C.P.
3. TIE INTO EXISTING STROM DRAIN MANHOLE INV. 48" R.C.P. = 36.99 INV. 18" R.C.P. = 39.49
4. CONSTRUCT 10.0 L.F. OF 4' DRAINAGE CHANNEL PER DETAIL THIS SHEET
5. CONSTRUCT COMMERCIAL DRIVEWAY PER C.C. STD. DWG. NO. 222A W = 32'
6. CONSTRUCT "L" TYPE CURB AND GUTTER PER C.C. STD. DWG. NO. 219
7. CONSTRUCT "A" TYPE ISLAND CURB PER C.C. STD. DWG. NO. 219
8. CONST. 16"x48" OPENING @ BASE OF BLOCK WALL FOR DRAINAGE PURPOSES.
9. INSTALL STREET NAME SIGN PER C.L.V. STANDARDS
10. INSTALL 3" INTERCONNECT CABLE.
11. INSTALL #5 PULLBOX PER C.C.A. STD. DWG. NO.404.120
12. INSTALL SIDEWALK DRAIN PER C.C.A. STD. DWG. NO. 236

CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	DELTA
C1	4.6357'	14.5635'	<Infinite>	180°00'00"
C2	2.0000'	3.1985'	2.0577'	91°37'45"
C3	2.0000'	6.2832'	<Infinite>	180°00'00"
C4	1.0000'	1.7868'	1.2432'	102°22'25"
C5	15.0000'	20.3225'	12.0660'	77°37'35"
C6	2.5000'	3.8513'	2.4255'	88°15'58"
C7	2.0000'	6.2832'	<Infinite>	180°00'00"
C8	15.0000'	20.3225'	12.0660'	77°37'35"
C9	1.0000'	1.7868'	1.2432'	102°22'25"
C10	2.0000'	6.2832'	<Infinite>	180°00'00"
C11	2.0000'	6.2832'	<Infinite>	180°00'00"
C12	2.0000'	6.2832'	<Infinite>	180°00'00"
C13	2.0000'	6.2832'	<Infinite>	180°00'00"
C14	2.0000'	6.2832'	<Infinite>	180°00'00"
C15	2.5000'	3.8609'	2.4347'	88°29'03"
C16	15.0000'	20.3225'	12.0660'	77°37'35"
C17	1.0000'	1.7868'	1.2432'	102°22'25"
C18	2.0000'	6.2832'	<Infinite>	180°00'00"
C19	2.0000'	6.2832'	<Infinite>	180°00'00"
C20	2.0000'	6.2832'	<Infinite>	180°00'00"
C21	2.0000'	6.2832'	<Infinite>	180°00'00"
C22	2.0000'	6.2832'	<Infinite>	180°00'00"
C23	2.5000'	3.9977'	2.5717'	91°37'14"
C24	2.5000'	7.8540'	<Infinite>	180°00'00"
C25	24.5000'	38.4845'	24.5000'	90°00'00"
C26	14.5000'	22.7765'	14.5000'	90°00'00"
C27	15.0000'	20.3225'	12.0660'	77°37'35"
C28	1.0000'	1.7868'	1.2432'	102°22'25"
C29	24.5000'	39.1327'	25.1569'	91°30'57"
C30	4.6726'	14.6790'	<Infinite>	180°00'00"
C31	14.5000'	22.7765'	14.5000'	90°00'00"
C32	24.5000'	38.4845'	24.5000'	90°00'00"

NOTE: ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE STATED.

VICINITY MAP

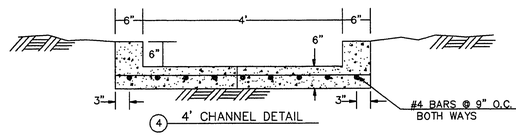


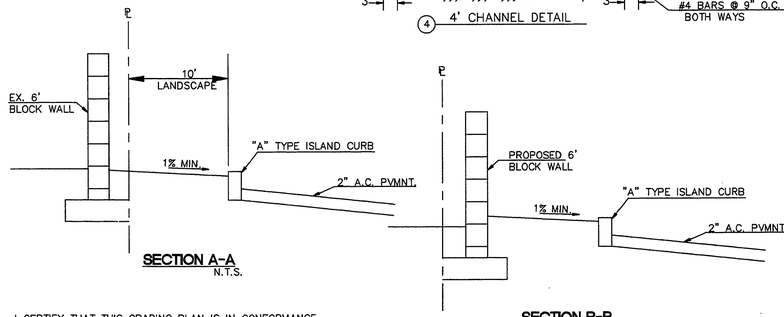
PROJECT BENCHMARK

RIVET AND SQUARE ALUMINUM PLATE NORTHEAST CORNER OF FIREHYDRANT BASE, 400 FT. SOUTH OF SAHARA AVE. WESTSIDE OF TENAYA WAY.
BM. # 36
STA. = 7C10
1ON4
ELEVATION: = 747.920 METERS, NAVD 88
= 2453.80 FT.

LINE TABLE

LINE	DIRECTION	DISTANCE
L1	N03°16'20"W	9.7297'
L2	N03°16'20"W	161.7714'
L3	N86°43'40"E	13.3643'
L4	N01°38'35"W	13.9279'
L5	N86°43'40"E	15.9279'
L6	N86°43'40"E	13.3643'
L7	N03°16'20"W	14.0000'
L8	N03°16'20"W	14.0000'
L9	N03°16'20"W	55.5591'
L10	S03°16'20"E	13.6748'
L11	N86°43'40"E	9.0000'
L12	N01°38'35"W	13.4495'
L13	S86°43'40"W	9.0000'
L14	S03°16'20"E	13.6748'
L15	N03°16'20"W	14.0000'
L16	N03°16'20"W	14.0000'
L17	N88°21'25"E	235.0000'
L18	N03°16'20"W	29.0000'
L19	N03°16'20"W	29.0000'
L20	N03°16'20"W	29.0000'
L21	N03°16'20"W	29.0000'
L22	N86°43'40"E	15.6312'
L23	S01°45'23"E	13.5783'
L24	N86°43'40"E	9.0000'
L25	N03°16'20"W	13.6748'
L26	S03°16'20"E	14.0000'
L27	S03°16'20"E	14.0000'
L28	N03°16'20"W	31.0000'
L29	N03°16'20"W	31.0000'
L30	N03°16'20"W	29.0000'
L31	N03°16'20"W	29.0000'
L32	S01°45'23"E	16.5154'
L33	S01°45'23"E	6.5000'
L34	S01°45'23"E	13.5000'
L35	S86°43'40"W	9.0000'
L36	N03°16'20"W	13.6748'
L37	S03°16'20"E	14.0000'
L38	S03°16'20"E	14.0000'
L39	S88°14'37"W	197.9427'
L40	S88°14'37"W	209.1354'
L41	N03°16'20"W	157.0000'
L42	N86°37'23"E	20.2137'
L43	S03°22'37"E	262.0000'
L44	N86°37'23"E	15.3602'
L45	N88°14'37"E	12.1342'
L46	N86°43'40"E	9.5000'
L47	N86°43'40"E	13.1783'
L48	N86°43'40"E	3.1783'
L49	S03°16'20"E	46.0000'





I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY FOR THIS PROJECT, ON FILE AT THE CITY OF LAS VEGAS.

JAMES H. CHILDS,P.E. — 8/14/96 DATE

(SEE COVER SHEET) LAS VEGAS VALLEY WATER DISTRICT — DATE

REV.	BY	DATE	DESCRIPTION	APPROVD

SCALE 1"=30'
ACCT. NO. 30-22814
F.B. NO.
DESIGN J.H.C.
DRAWN STAFF
CHECKED D.D.W.
DATE 5/15/96

SITE AND GRADING PLAN FOR ST. JOSEPH'S PARKING LOT

CPS
CONSULTING ENGINEERS OF NEVADA, INC.
CALDWELL RICHARDS SORENSEN
4290 S. MARYLAND PARKWAY
LAS VEGAS, NEVADA 89119
PHONE (702)737-4007
FAX (702)737-3394

ENGINEER'S SEAL

SHEET C4 OF 6 — DRWG. NO. 2614

29-2-104 107-V2479