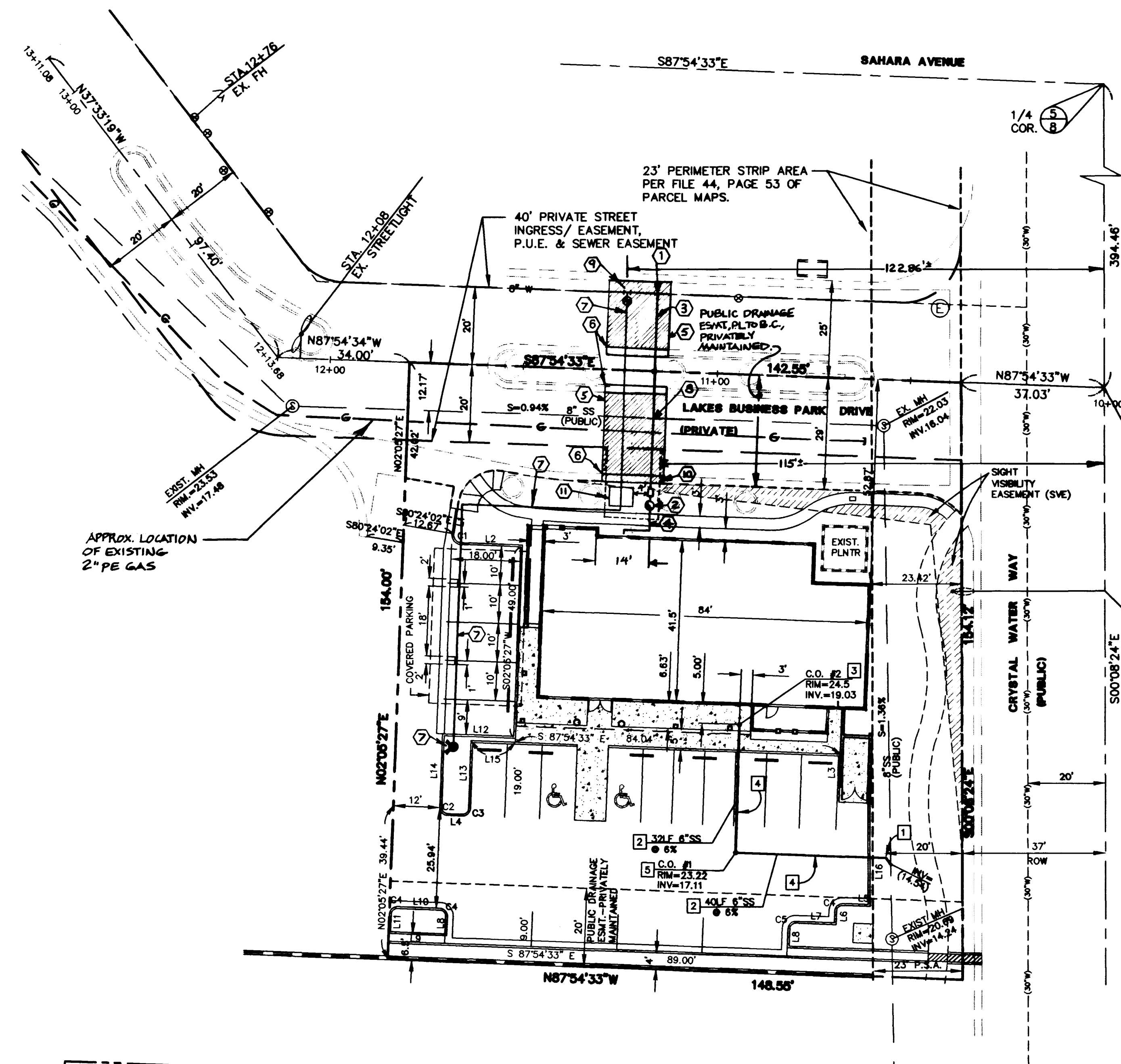


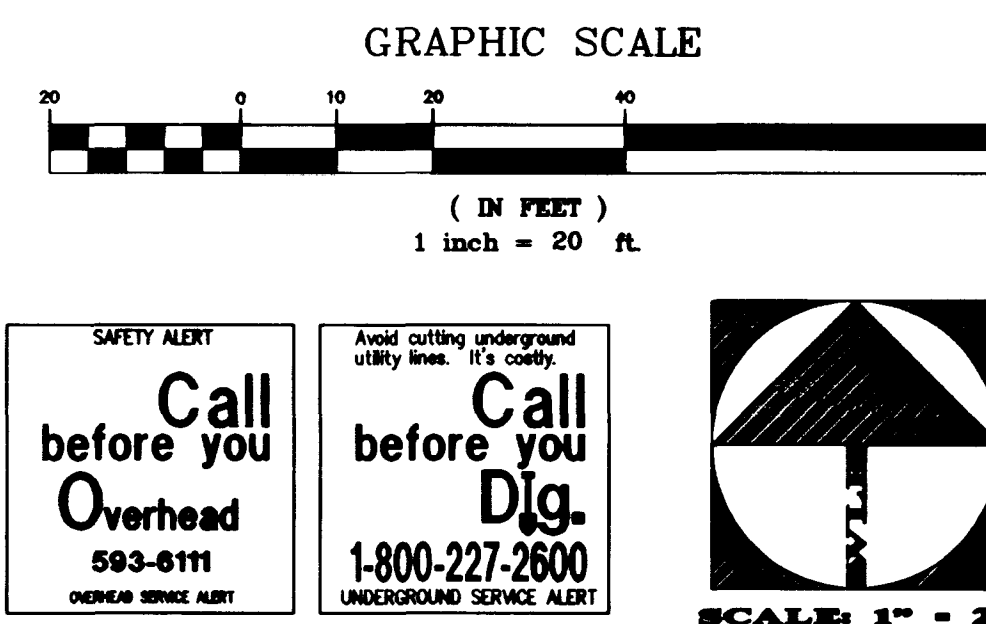


BACK OF CURB LINE DATA TABLE

LINE	DIRECTION	DISTANCE
L1	N 09°35'58" E	6.48'
L2	N 87°54'33" W	15.98'
L3	S 02°05'02" E	7.69'
L4	N 87°54'33" W	3.98'
L5	S 87°54'58" E	7.11'
L6	N 02°05'02" E	3.49'
L7	S 87°54'58" E	10.47'
L8	N 02°05'02" E	4.50'
L9	N 87°54'33" W	14.50'
L10	N 87°54'58" W	11.00'
L11	N 02°05'27" E	4.50'
L12	N 87°54'33" W	18.50'
L13	S 02°05'27" W	17.50'
L14	S 02°05'27" W	18.50'
L15	N 87°54'33" W	11.54'
L16	S 00°08'24" E	26.65'

BACK OF CURB CURVE DATA TABLE

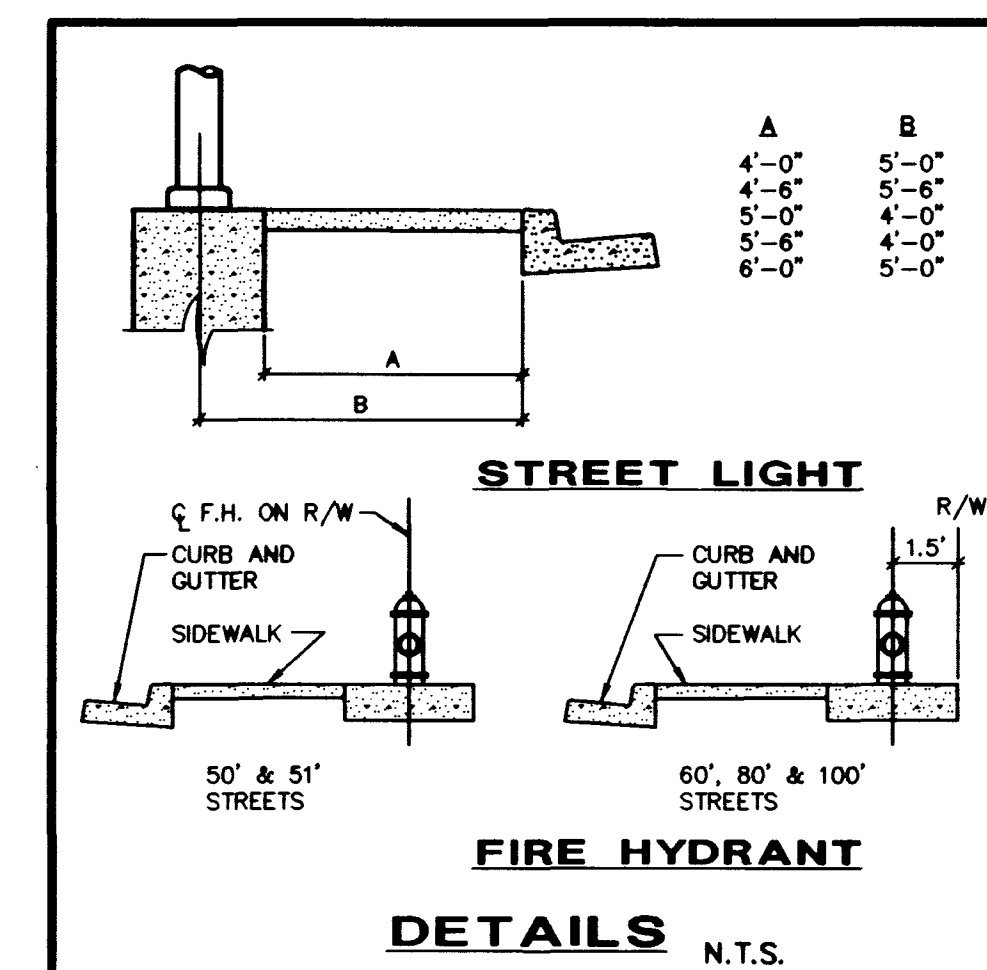
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C1	2.00'	3.40'	2.28'	97°30'31"
C2	1.50'	2.36'	1.50'	90°00'00"
C3	1.50'	2.36'	1.50'	90°00'00"
C4	1.50'	2.36'	1.50'	90°00'00"
C5	1.50'	2.36'	1.50'	89°59'35"



FIRE DEPARTMENT APPROVAL
APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION
IS REQUIRED PRIOR TO OBTAINING FINAL APPROVAL FROM
THE LVVWD.

APPROVED FOR CONSTRUCTION

Brian Craft 5-27-98
LAS VEGAS VALLEY WATER DISTRICT DATE



LAS VEGAS FIRE DEPARTMENT

FIRE FLOW REQUIREMENT IS: 1500 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL PRESSURE.

BASED ON:

SQUARE FOOTAGE: 3,495 SQUARE FEET

LARGEST AREA BETWEEN 4-HOUR
AREA SEPARATION WALLS: N/A

BUILDING HEIGHT: 21'-0"

TYPE OF CONSTRUCTION: TYPE V-N

OCCUPANCY: B

FULL AUTOMATIC FIRE
SPRINKLER SYSTEM: NO

REVIEWED BY: [Signature]

DATE: 4-23-98

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE
A PERMIT FOR NOR AN APPROVAL OF ANY VIOLATION OF ANY
OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

SEWER CONTRIBUTION RATE	
PEAK FLOW	0.003 MGD
AVE. FLOW	0.001 MGD

BASIS OF BEARINGS

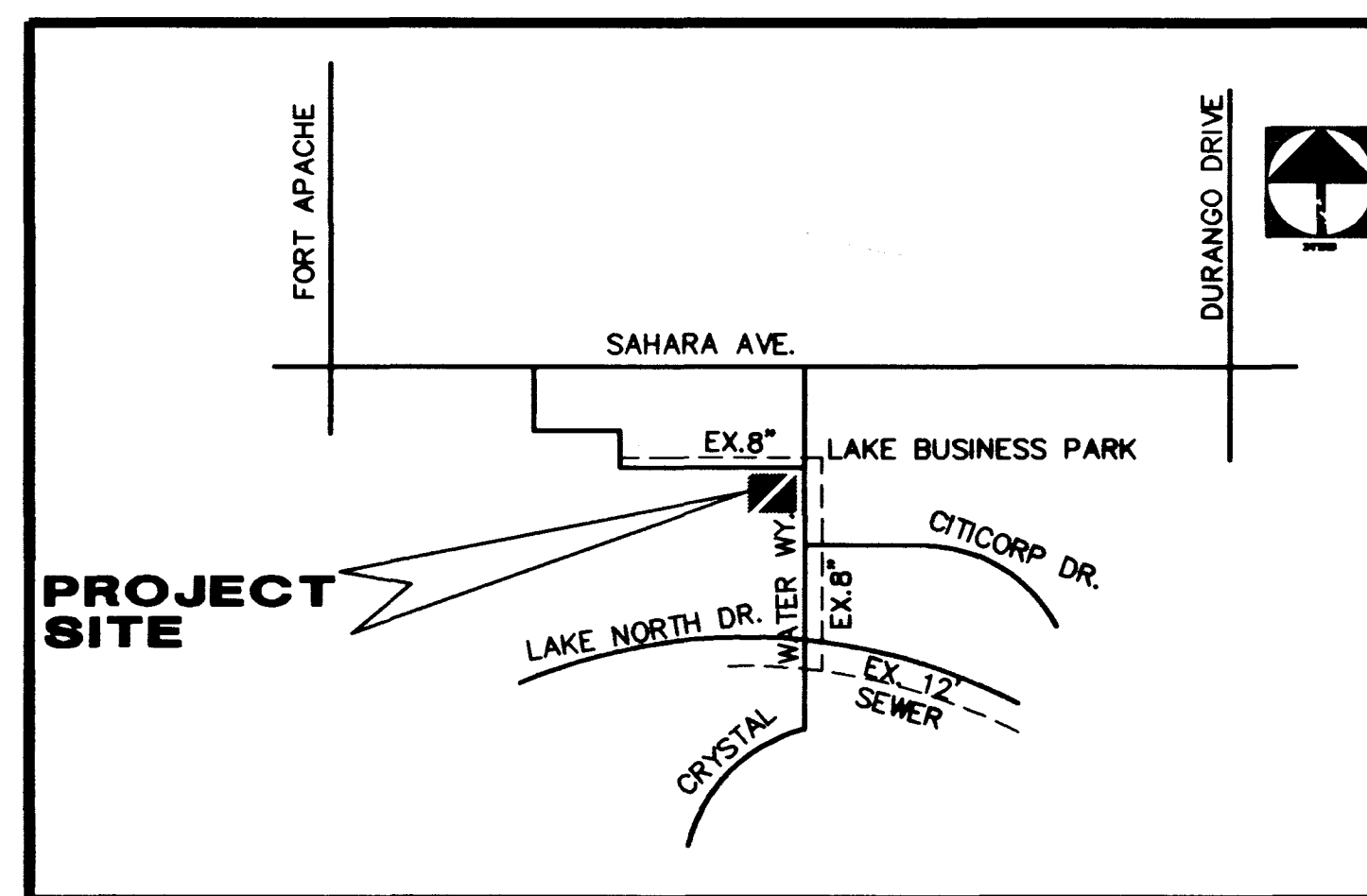
THE BASIS OF BEARINGS FOR THIS SURVEY IS THE NORTHERLY LINE OF THE
NORTHWEST QUARTER (NW 1/4) OF SECTION 8, TOWNSHIP 21 SOUTH, RANGE
60 EAST, M.D.M. WHICH BEARS NORTH 87°54'33" WEST AS SHOWN BY A MAP ON
FILE IN THE OFFICE OF THE CLARK COUNTY, NEVADA, RECORDER IN FILE 49,
PAGE 85 OF PARCEL MAPS.

BENCHMARK

RIVET & PLATE IN TOP OF CURB, NORTH SIDE OF SAHARA AVE.
AND CRYSTAL WATER WAY.
CITY OF LAS VEGAS BENCHMARK - STA. 11V10-554
ELEVATION 830.1947 METERS = 2723.7304 FEET NAVD 1988

NOTES

- THE WLB GROUP SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES IN THE PLANS OR CONDITIONS IN THE FIELD.
- ALL WORK TO BE PERFORMED OUTSIDE THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY, SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENT HAVE BEEN OBTAINED FROM THE OFF-SITE OWNER.
- ALL WORK PERFORMED WITHIN THE PUBLIC RIGHT-OF-WAY AND OUTSIDE THE PROJECT BOUNDARY SHALL BE PERFORMED UNDER A SEPARATE ENCROACHMENT PERMIT ISSUED BY THE CONTROLLING AUTHORITY.
- PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS AND SHALL CONTACT THE WLB GROUP IF ANY DISCREPANCIES ARE FOUND.



SEWER VICINITY MAP

N.T.S.

REDUCED PRESSURE PRINCIPLE ASSEMBLY

Approved Reduced Pressure Principle Assembly(s) shall be installed per the UDACS Plate 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 other 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.

INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY

The double check detector assemblies shall be installed in accordance with the UDACS Plate 20B.

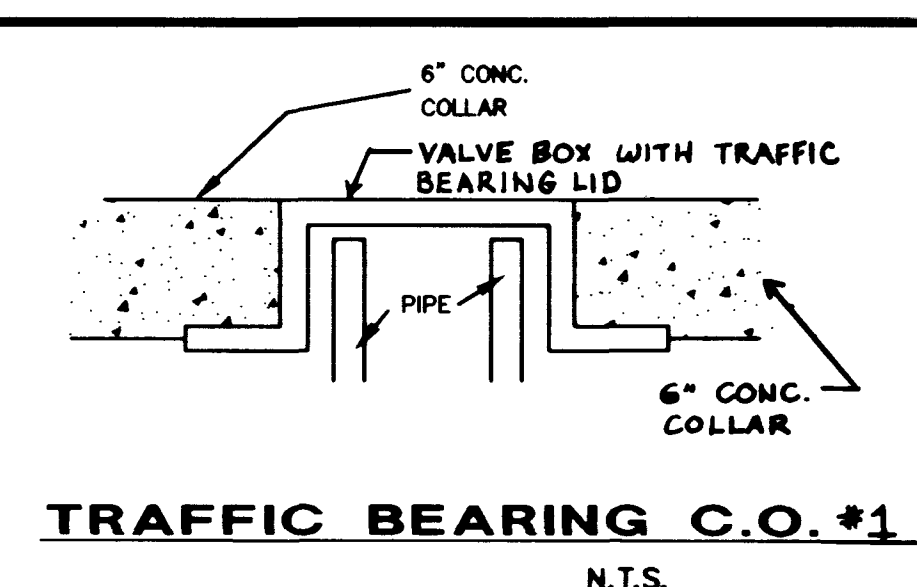
Any block wall or other fence material shall be designed and constructed around the outside of the easement(s), so as to allow the District direct access from the adjacent right-of-way.

SEWER CONSTRUCTION NOTES

ITEM	QTY.
1. 6" LATERAL CONNECTION PER SD-17	1 EA
2. 6" SEWER (PVC)	72 LF
3. 6" CLEANOUT	1 EA
4. TRENCH SECTION PER SD-16	72 LF
5. 6" CLEANOUT, TRAFFIC BEARING WITH VALVE BOX, LID AND CONCRETE COLLAR. (NEENAH CAT. NO. R-1974-A) SEE DETAIL - THIS SHEET	1 EA

WATER CONSTRUCTION NOTES

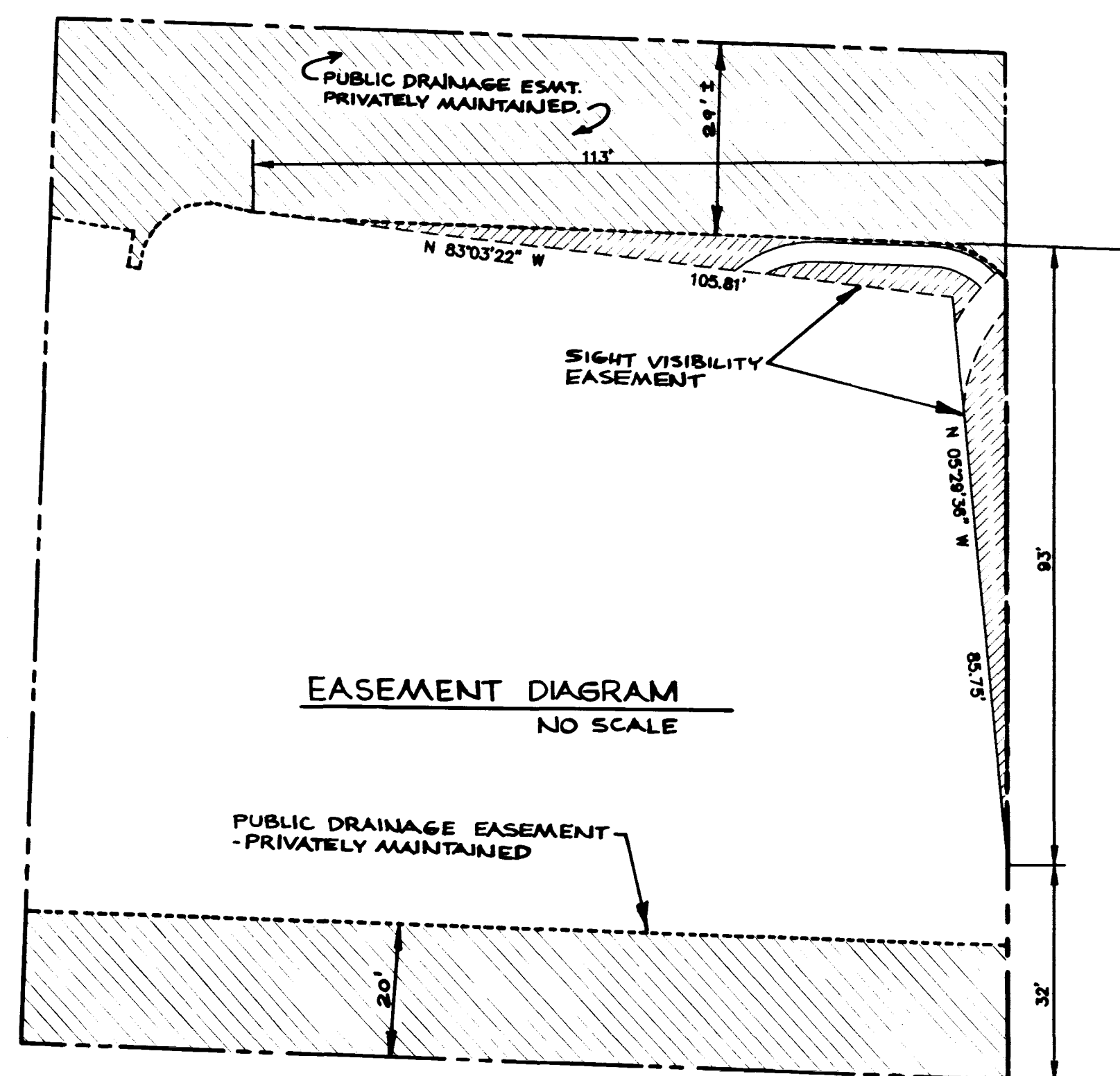
ITEM	QTY.
1. 1" SERVICE INSTALLATION & METER PER UDACS PLATE ID	1 EA
2. 1" RPPA PER UDACS PLATE 11A	1 EA
3. 1" WATER LINE (TYPE K COPPER)	50 LF
4. 1" WATER LINE (PVC)	14 LF
5. PVMT. REMOVAL & REPLACEMENT	68 SY
6. CURB REMOVAL & REPLACEMENT	48 LF
7. INSTALL 8" DIA. WATER AND F.H. ASSEMBLY PER UDACS STD. DWG. #7, CONDITION "C"	159 LF
8. WATER LINES MUST BE A MINIMUM OF 18" ABOVE THE SEWER LINE AT CROSSING.	



TRAFFIC BEARING C.O. #1
N.T.S.

WATER CONSTRUCTION NOTES - CONTINUED

ITEM	QTY.
9. INSTALL 8"x8" MECHANICAL JOINT TAPPING SLEEVE AND 8" TAPPING VALVE	1
10. 14"x18" LVVWD EASEMENT	
11. INSTALL 8" D.C.D. PER UDACS PLATE 20B	1



EASEMENT DIAGRAM
NO SCALE

PUBLIC DRAINAGE EASEMENT
- PRIVATELY MAINTAINED

