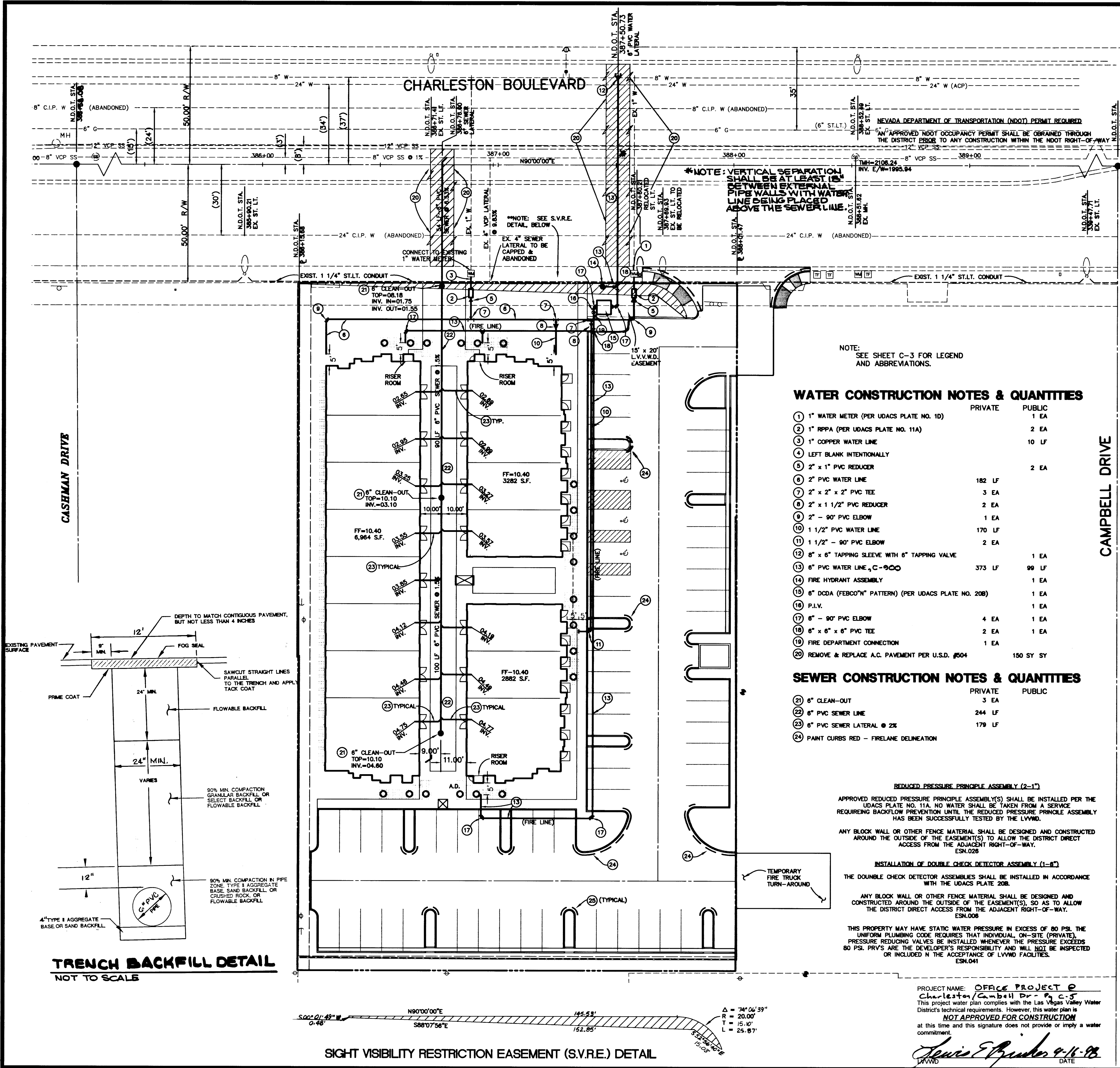
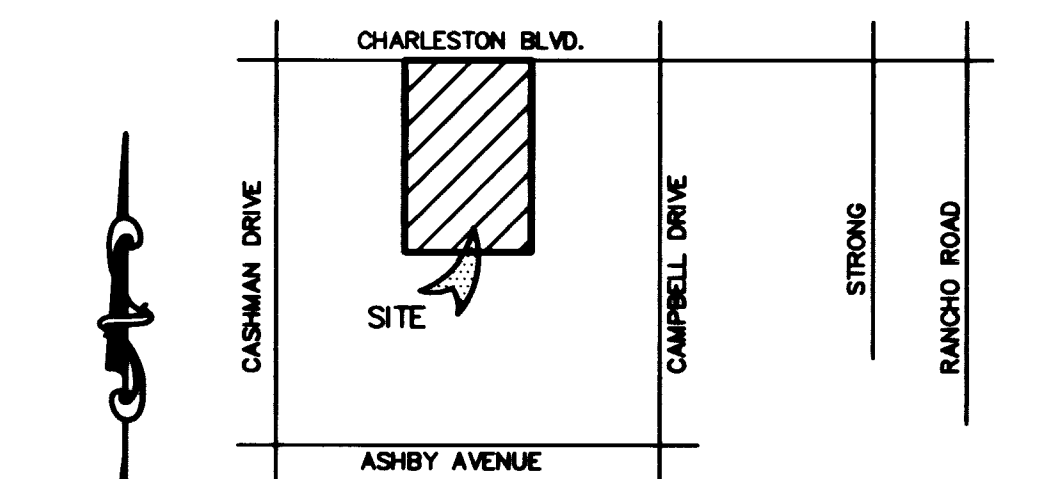
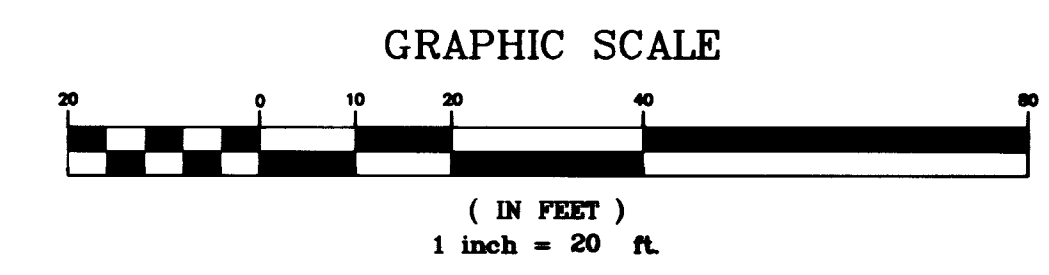




BASIS OF BEARINGS
THE NORTH LINE OF THE NORTHEAST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER OF SECTION 5, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., ALONG THE 5th STANDARD PARALLEL SOUTH WHICH BEARS DUE EAST AS RECORDED ON THE RESUB-DIVISION OF BLOCKS ONE (1), TWO (2), AND THREE (3), OF McNEIL TRACT, LAS VEGAS, NEVADA IN BOOK 2 OF PLATS, PAGE 93 OF CLARK COUNTY, NEVADA OFFICIAL RECORDS.



WATER CONSTRUCTION NOTES & QUANTITIES

	PRIVATE	PUBLIC
1" WATER METER (PER UDACS PLATE NO. 10)		1 EA
1" RPPA (PER UDACS PLATE NO. 11A)		2 EA
1" COPPER WATER LINE		10 LF
LEFT BLANK INTENTIONALLY		
2" x 1" PVC REDUCER		2 EA
2" PVC WATER LINE	182 LF	
2" x 2" x 2" PVC TEE	3 EA	
2" x 1 1/2" PVC REDUCER	2 EA	
2" - 90° PVC ELBOW	1 EA	
1 1/2" PVC WATER LINE	170 LF	
1 1/2" - 90° PVC ELBOW	2 EA	
8" x 6" TAPPING SLEEVE WITH 6" TAPPING VALVE		1 EA
6" PVC WATER LINE, C-900	373 LF	99 LF
FIRE HYDRANT ASSEMBLY		1 EA
6" DCDA (FEBOOM" PATTERN) (PER UDACS PLATE NO. 208)		1 EA
P.I.V.		1 EA
6" - 90° PVC ELBOW	4 EA	1 EA
6" x 6" x 6" PVC TEE	2 EA	1 EA
FIRE DEPARTMENT CONNECTION	1 EA	
REMOVE & REPLACE A.C. PAVEMENT PER U.S.D. #504	150 SY	SY

SEWER CONSTRUCTION NOTES & QUANTITIES

	PRIVATE	PUBLIC
6" CLEAN-OUT	3 EA	
6" PVC SEWER LINE	244 LF	
6" PVC SEWER LATERAL @ 2%	179 LF	
P.AINT CURBS RED - FIRELANE DELINEATION		

REDUCED PRESSURE PRINCIPLE ASSEMBLY (2-1")
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 LVWD.

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.
ESN.026

INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY (1-6")
THE DOUBLE CHECK DETECTOR ASSEMBLY SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE 208.

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.
ESN.006

THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THE UNIFORM PLUMBING CODE, REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE), PRESSURE REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRVS ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVWD FACILITIES.
ESN.041

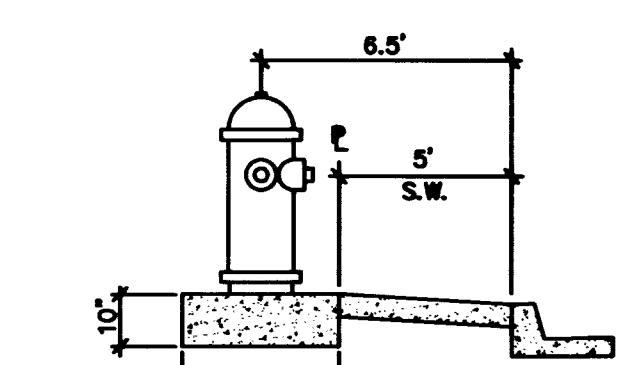
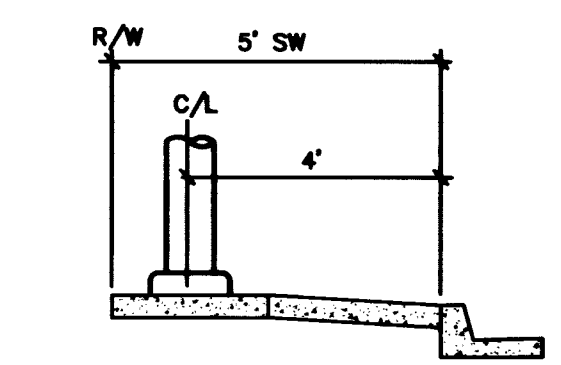
SEWER CONTRIBUTION

AVERAGE FLOW = 0.0029 MGD
PEAK FLOW = 0.0103 MGD

LAS VEGAS FIRE DEPARTMENT

FIRE FLOW IS 1,500 GPM AT 20 PSI RESIDUAL PRESSURE
BASED ON: TYPE V-N CONSTRUCTION-8,964 SF
SQUARE FOOTAGE: 13,128 SF
AREA BETWEEN 4 HOUR AREA SEPARATION WALLS: 6,964 SF
BUILDING HEIGHT: 22'-4" MAX.
NUMBER OF STORIES: 1 STORY
OCCUPANCY: OFFICE
FULL AUTOMATIC FIRE SYSTEM: YES

[Signature] 9/16/98
CITY FIRE MARSHALL DATE



CONSTRUCTION NOTE:

ALL EXISTING UTILITY STRUCTURES WITHIN CONSTRUCTION AREA SHALL BE ADJUSTED TO MATCH FINISH GRADE (I.E. WY. BOX, W.H., ANNODE BOX, FH, TEL. BOX, ETC.)

NOTE:

ALL DIMENSIONS TO UTILITIES ARE TO CENTERLINE OF PIPE UNLESS INDICATED OTHERWISE.
CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL ALIGNMENT OF EXISTING UTILITIES AND TO NOTIFY THE DESIGN ENGINEER IMMEDIATELY ON ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

APPROVED FOR CONSTRUCTION

[Signature] 11/20/98
LAS VEGAS VALLEY WATER DISTRICT DATE

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

Avoid cutting underground utility lines. It's costly.

Call before you Dig

1-800-227-2600
UNDERGROUND SERVICE (USA)

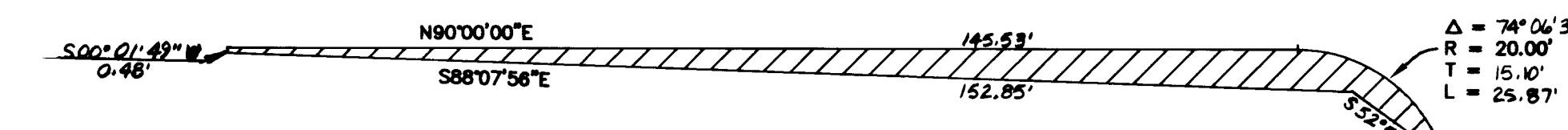
Avoid overhead power line contact.

Call before you OVERHEAD

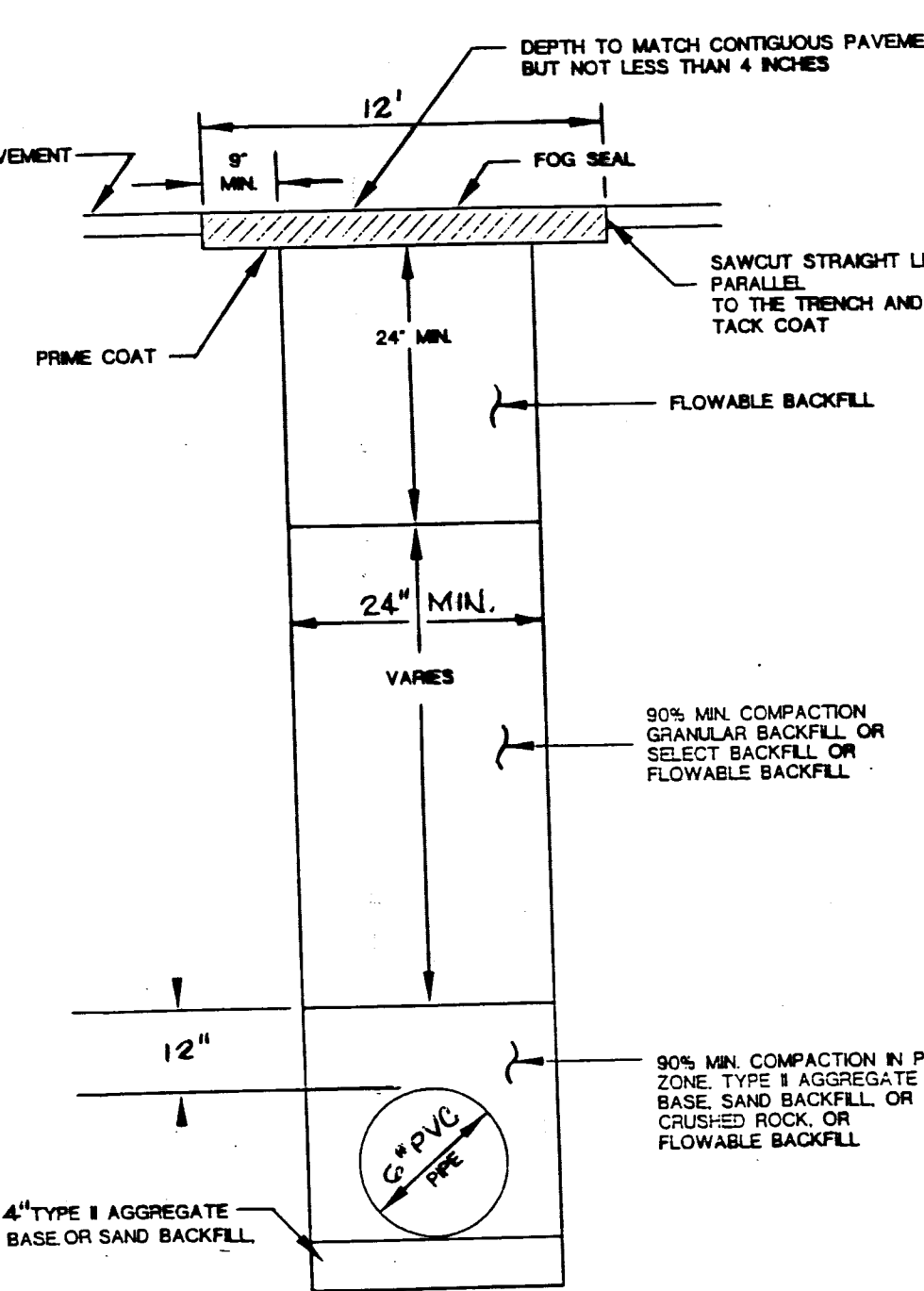
1-702-593-6111
AVOID POWER CONTACT AND SAFETY SERVICE (NVEA)

PROJECT NAME: **OFFICE PROJECT @ Charleston/Campbell Dr - P.C. 5**
This project water plan complies with the Las Vegas Valley Water District's technical requirements. However, this water plan is **NOT APPROVED FOR CONSTRUCTION** at this time and this signature does not provide or imply a water commitment.
[Signature] 9-16-98
LVWD DATE

SIGHT VISIBILITY RESTRICTION EASEMENT (S.V.R.E.) DETAIL



TRENCH BACKFILL DETAIL
NOT TO SCALE



TERRA WEST DEVELOPMENT

2885 S. RANCHO #201
LAS VEGAS, NV 89102
(702) 362-1051 / 362-4822

L. R. NELSON CONSULTING ENGINEERS, INC.

3035 East Patrick Lane Suite 9
Las Vegas, Nevada 89120
(702) 481-2298 FAX

MASTER UTILITY PLAN

OFFICE PROJECT

CHARLESTON / CAMPBELL

SCALE: 1" = 20'

SHEET C5

5 of 9 SHEETS

DRAWING NO. 107-V2912

