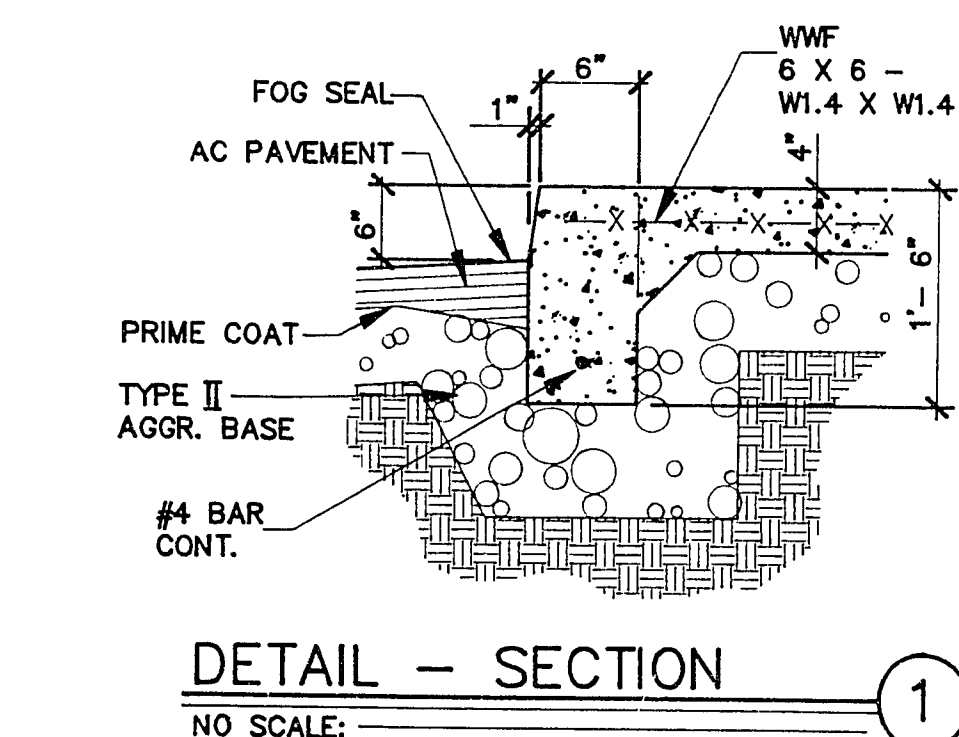
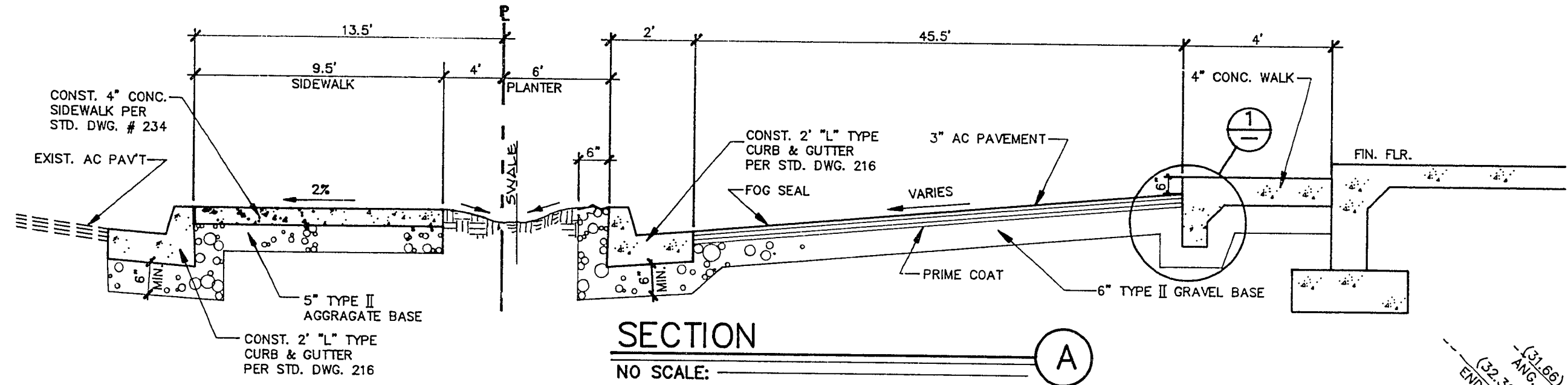




GENERAL NOTES

- ALL CONSTRUCTION AND MATERIAL SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST EDITION. THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, BY THE CONTROLLING AGENCY, THE UNIFORM BUILDING CODE AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
- THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCES WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER OR OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES, AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER OR OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
- ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
- TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM 28 DAYS. MIX DESIGN TO BE APPROVED BY THE QUALITY CONTROL DIVISION PRIOR TO USE ON THE PROJECT.
- PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT OF WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
- EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED TYPE CURB.
- AC PAVEMENT TO BE 1/2" ABOVE UP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT HANDICAP RAMPS.
- APPLY FOG SEAL ONLY AFTER ALL CORRECTIONS AND ADJUSTMENTS HAVE BEEN MADE.
- CURB & GUTTER WITH A GRADE OF LESS THAN FOUR TENTHS OF ONE PERCENT SHALL BE WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION. ANY CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY SHALL BE REMOVED AND REPLACED.
- SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS, OR AS DESIGNATED IN THE FIELD BY A CITY INSPECTOR.
- ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE SOILS ENGINEER AND APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
- EXACT LOCATION OF ALL SAWCUT LINES MAY BE DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS INSPECTOR IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATION.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.E.S. NO. 625.550.
- UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC. SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.
- WALL NOTES:
A. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN FOR THE PURPOSE OF GRADING RELATIONSHIPS.
B. THE STRUCTURAL AND ARCHITECTURAL DESIGN OF ALL WALLS (RETAINING OR NON-RETAINING) MUST BE APPROVED BY THE CLV BUILDING DEPARTMENT.
- ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT ON CITY STREETS.

ENGINEER'S CERTIFICATION

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

CURVE DATA

CURVE	RADIUS	LENGTH	TANGENT	DELTA
C1	10.00'	5.80'	2.99'	33°14'48"
C2	5.00'	7.57'	4.72'	86°42'51"
C3	10.00'	7.30'	3.82'	41°49'27"
C4	25.00'	19.64'	10.36'	45°00'28"
C5	22.50'	13.22'	6.80'	33°39'12"
C6	5.00'	5.20'	2.87'	59°37'57"
C7	5.00'	5.20'	2.87'	59°37'57"
C8	5.00'	7.57'	4.72'	86°42'51"
C9	10.00'	18.61'	13.42'	106°35'00"
C10	8.00'	7.70'	4.18'	55°09'00"
C11	1.00'	2.18'	1.91'	124°51'00"
C12	1.00'	2.18'	1.91'	124°51'00"
C13	8.00'	7.70'	4.18'	55°09'00"
C14	22.50'	13.22'	6.80'	33°39'12"

BASE FLOOD ELEVATION

ZONE AO
DEPTH OF FLOW 2.05' ABOVE E C&G
FINISHED FLOOR 3.55' ABOVE E C&G

NOTES

- 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.
- ALL WORK PERFORMED OUTSIDE THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENT HAS BEEN OBTAINED FROM THE PROPERTY OWNER.

LEGEND

- EXIST. CHAIN LINK FENCE
- PROPERTY LINE
- STREET CENTERLINE
- BUILDING LINE
- NEW CONCRETE
- NEW AC PAVEMENT
- EXIST. ELEVATION
- DESIGN ELEVATION
- EXIST. CONTOUR LINE
- DESIGN CONTOUR LINE
- CURB & GUTTER

LEGEND

- AC - ASPHALTIC CONCRETE
- TC - TOP OF CURB
- C&G - CURB AND GUTTER
- FL - FLOWLINE
- CL - CENTERLINE
- FG - FINISHED GRADE
- PC - POINT OF CURVATURE
- PT - POINT OF TANGENCY
- BC - BACK OF CURB
- ED - EDGE OF PAVEMENT
- BSW - BACK OF SIDEWALK

LEGEND

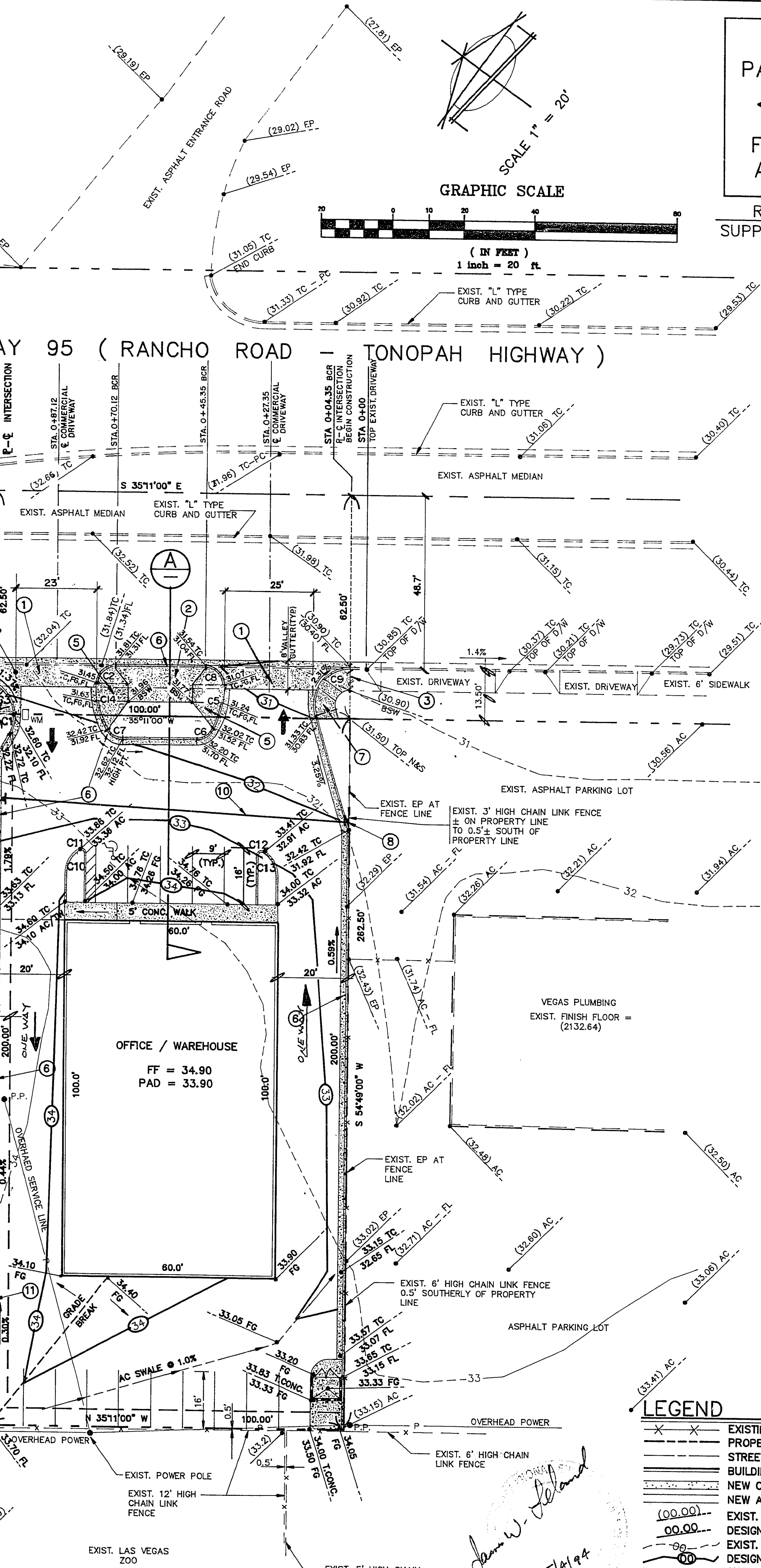
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- NEW CONCRETE
- NEW AC PAVEMENT
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- DESIGN ELEVATION
- EXIST. CONTOUR LINE
- DESIGN CONTOUR LINE
- CURB & GUTTER

LEGEND

- EXIST. CHAIN LINK FENCE
- PROPERTY LINE
- STREET CENTERLINE
- BUILDING LINE
- NEW CONCRETE
- NEW AC PAVEMENT
- EXIST. ELEVATION
- DESIGN ELEVATION
- EXIST. CONTOUR LINE
- DESIGN CONTOUR LINE
- CURB & GUTTER

LEGEND

- EXIST. CHAIN LINK FENCE
- PROPERTY LINE
- STREET CENTERLINE
- BUILDING LINE
- NEW CONCRETE
- NEW AC PAVEMENT
- EXIST. ELEVATION
- DESIGN ELEVATION
- EXIST. CONTOUR LINE
- DESIGN CONTOUR LINE
- CURB & GUTTER



GRAPHIC SCALE

1" = 20'

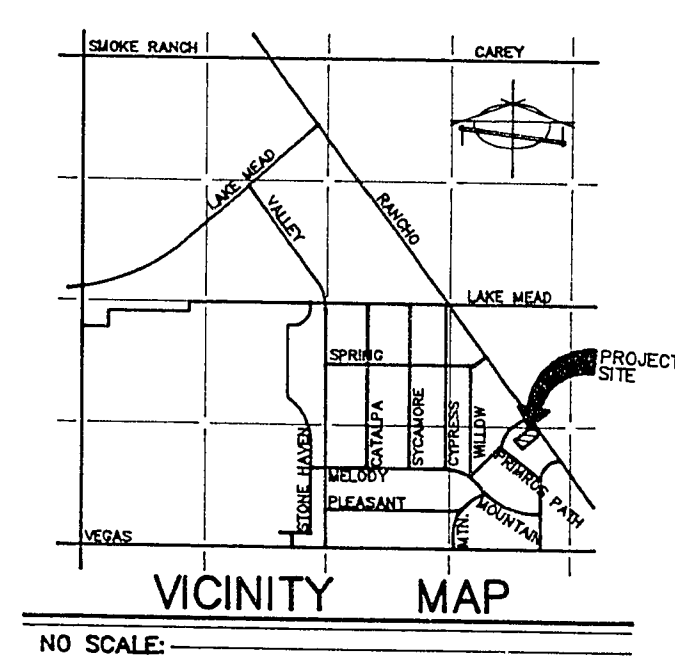
NO
PARKING
←
FLOOD
AREA

NO
PARKING
→
FLOOD
AREA

R8-1L
SUPPLEMENTAL

R8-1R
SUPPLEMENTAL

SIGN DETAIL



UTILITY NOTE

THE LOCATION OF UNDERGROUND UTILITIES SHOWN HEREON HAS BEEN DETERMINED FROM SURFACE EVIDENCE OF THEIR EXISTENCE OR FROM INFORMATION OBTAINED FROM THE UTILITY COMPANIES. THE ENGINEER ACCEPTS NO LIABILITY FOR THE EXISTENCE OR NON-EXISTENCE OF UTILITY LINES. CONTRACTORS AND OTHERS USING THIS MAP MUST CONFIRM THE LOCATION OF UNDERGROUND LINES OR STRUCTURES WITH THE UTILITY COMPANIES PRIOR TO COMMENCING ANY EXCAVATION.

DEVIATIONS FROM STANDARDS

CONSTRUCT MODIFIED DRIVEWAYS SIMILAR TO STD. DWG. NO. 222A WITH A RADIUS AS SHOWN TO PROMOTE ONE-WAY TURNING MOVEMENTS.

CONSTRUCTION NOTES

- CONSTRUCT COMMERCIAL DRIVEWAY PER STANDARD DRAWING NO. 222a (SIMILAR).
- CONSTRUCT 9.5' WIDE CONC. SIDEWALK PER STANDARD DRAWING NO. 234.
- SAWCUT & MATCH EXISTING "L" TYPE CURB, GUTTER & SIDEWALK.
- CONSTRUCT WHEELCHAIR RAMP PER STANDARD DRAWING 235 CASE I, A=8', B=8'.
- CONSTRUCT MODIFIED WHEELCHAIR RAMP SIMILAR TO STANDARD DRAWING NO. 235 CASE II, A=6.5', B=9.5', 10:1 SIDESLOPES.
- CONSTRUCT 2' "L" TYPE CURB & GUTTER PER STANDARD DRAWING NO. 216.
- CONSTRUCT WHEELCHAIR RAMP PER STANDARD DWG. 235 CASE I, A=4.5', B=9.5'.
- INSTALL R8-1L WITH SUPPLEMENTAL PLATE PER SIGN DETAIL THIS SHEET.
- INSTALL R8-1R WITH SUPPLEMENTAL PLATE PER SIGN DETAIL THIS SHEET.
- INSTALL 4" WIDE WHITE COLD POLYMER STRIPE.
- CONSTRUCT 2' WIDE VALLEY GUTTER SIMILAR TO STD. DWG. NO. 228.

BASIS OF BEARINGS

SOUTH 35° 11' 00" EAST - THE SOUTHWESTERLY RIGHT-OF-WAY LINE OF U. S. HIGHWAY 95 (RANCHO ROAD - TONOPAH HIGHWAY) AS SHOWN ON "EASTLAND HEIGHTS" IN PLAT BOOK 2, PAGE 27 "AMENDED EASTLAND HEIGHTS" IN PLAT BOOK 2, PAGE 38, AND RECORD OF SURVEY FILE 50, PAGE 5, CLARK COUNTY RECORDS, NEVADA.

BENCH MARK

BENCH MARK NUMBER 06119D3 - PIN AND PLATE IN THE TOP OF CURB AT THE NORTHEAST CORNER OF RANCHO ROAD AND HOLLY

ELEVATION = 2132.59
CLARK COUNTY ENGINEERING DEPARTMENT DATUM

LEGAL DESCRIPTION

THAT PORTION OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 19, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.B. & M., MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE MOST NORTHERLY CORNER OF LOT 2, BLOCK 14 OF "AMENDED PLAT EASTLAND HEIGHTS" AS SHOWN ON PLAT BOOK 2, PAGE 38, CLARK COUNTY RECORDS, NEVADA; THENCE SOUTH 35° 11' 00" EAST ALONG THE NORTHEASTERLY LINE THEREOF, SAID LINE ALSO BEING THE SOUTHWESTERLY RIGHT-OF-WAY LINE OF U. S. HIGHWAY NUMBER 95 (RANCHO ROAD - TONOPAH HIGHWAY, 125.00 FEET WIDE) A DISTANCE OF 100.00 FEET; THENCE SOUTH 54° 49' 00" WEST 200.00 FEET TO A POINT ON THE SOUTHWESTERLY LINE OF THE FOREMENTIONED LOT 2, BLOCK 14; THENCE NORTH 35° 11' 00" WEST A DISTANCE OF 100.00 FEET TO THE MOST WESTERLY POINT OF SAID LOT 2; THENCE NORTH 54° 49' 00" EAST ALONG THE NORTHEASTERLY LINE OF SAID LOT 2 A DISTANCE OF 200.00 FEET TO THE TRUE POINT OF BEGINNING.

NOTE

AN APPROVED NDOT OCCUPANCY PERMIT IS REQUIRED PRIOR TO ANY WORK IN RANCHO ROAD.

APPROVALS

CITY OF LAS VEGAS ENGINEER
DENNIS ANDERSON, P.E.

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before you
Dig.
1-800-227-2600
UNDERGROUND SERVICE (USA)