

CITY OF LAS VEGAS GENERAL NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST ISSUE; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED 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 AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD OR UNDERGROUND POWER, GAS AND/OR OTHER UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COSTS AND LIABILITY IN CONNECTION THEREWITH.
- 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 OFFSITE CONCRETE WORK. CONCRETE TO BE 3000 PSI MINIMUM @ 28 DAYS. MIX DESIGN TO 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 LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK 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 STD. DWG. 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 DESIGNED IN THE FIELD BY A CITY INSPECTOR.
- ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY TERRACON CONSULTANTS WESTERN, INC., PROJECT NO. 64955351, DATED DEC. 21, 1995, 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.R.S. STATUTE 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 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.

PUBLIC TRAFFIC SIGN LEGEND & QUANTITIES

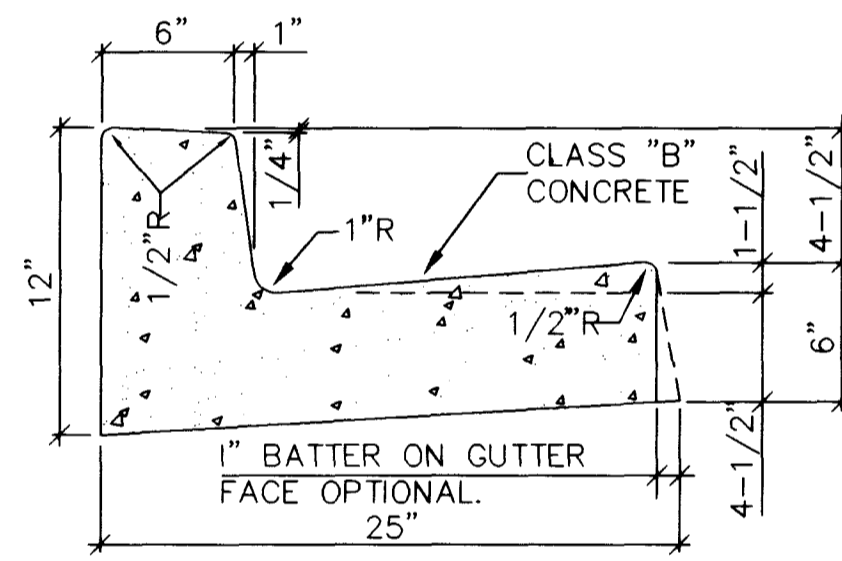
6" D-3 STREET NAME SIGN (STD. DWG. 250)	5 EA.
END OF ROAD MARKERS	9 EA.
30" STOP SIGN	1 EA.

STREET LIGHTING NOTES

- ALL STREET LIGHTING INSTALLATIONS EXCEPT AS NOTED ON THE STREET LIGHTING PLANS SHALL CONFORM TO THE IMPROVEMENT STANDARDS, DEPARTMENT OF PUBLIC WORKS, CITY OF LAS VEGAS, NEVADA, AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA.
- ALL STREET LIGHT POLES SHALL BE GALVANIZED.

ABBREVIATIONS

BC STA	BACK OF CURB STATION	LP	LOW POINT
BCR	BEGIN. OF CURB RETURN	MVC	MIDDLE OF VERTICAL CURVE
BFE	BASE FLOOD ELEVATION	N	NORTH
BVC	BEGIN VERTICAL CURVE	OC	ON CURVE
BW	BACK OF WALK	PC	POINT OF CURVATURE
C	CENTERLINE	PI	POINT OF INTERSECTION
C INT	CENTERLINE INTERSECTION	PT	POINT OF TANGENCY
E	EAST	PM	POINT OF VERTICAL INTERSECTION
ECR	END OF CURB RETURN	R/W	RIGHT-OF-WAY
EVC	END VERTICAL CURVE	S	SOUTH OR SEWER
FF	FINISH FLOOR	TC	TOP OF CURB
FG	FINISH GRADE	TP	TOP OF PIPE
FL	FLOW LINE	VC	VERTICAL CURVE
GB	GRADE BREAK	W	WEST OR WATER
HP	HIGH POINT	VG	VALLEY GUTTER
INV	INVERT		



"L" TYPE CURB & GUTTER
PER STD. DWG. 216
NO SCALE

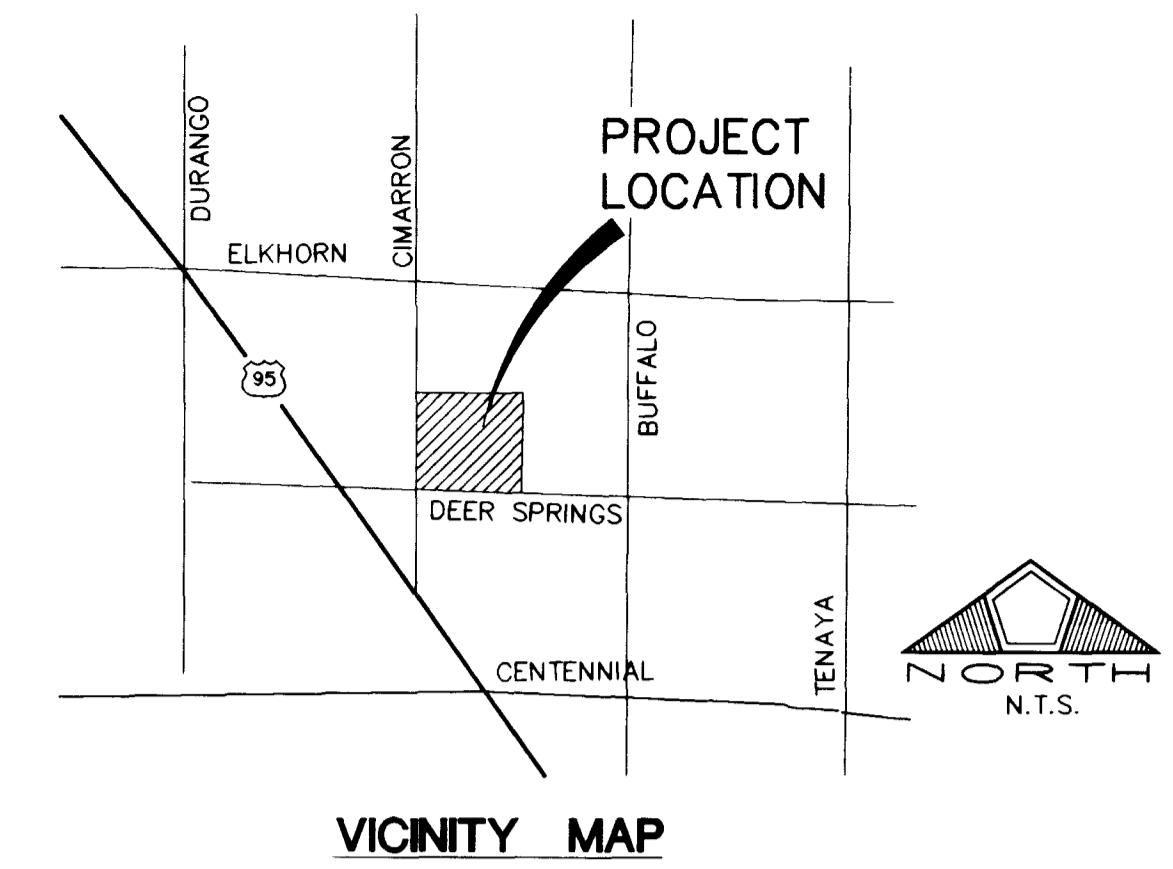
ESTIMATE OF QUANTITIES

ITEM	QUANTITY	TOTAL
STREET IMPROVEMENTS (PUBLIC)		
2" A.C. PWMT.	8,330 SY	
4" A.C. PWMT.	1,976 SY	
4" TYPE II BASE	1,146 CY	
6" TYPE I BASE	1,236 CY	
9" TYPE I BASE	494 CY	
5' SIDEWALK W/6" TYPE II BASE	18,854 SF	
24" "L" TYPE CURB AND GUTTER	3,770 LF	
TYPE "A" CURB AND GUTTER	336 LF	
CONCRETE DRIVEWAY W/6" TYPE II BASE	5,300 SF	
8' CONCRETE VALLEY GUTTER W/10" TYPE I BASE	636 SF	
SIDEWALK RAMPS	12 EA	

* THESE QUANTITIES ARE ONLY APPROXIMATE AND ARE BASED ON AN AVERAGE SIZE OF 16'-4" X 5' SW (APPROX. 100 SF). FINAL DRIVEWAY QUANTITIES WILL BE DETERMINED SUBSEQUENT TO THE PREPARATION OF PLOT PLANS.

TRAFFIC

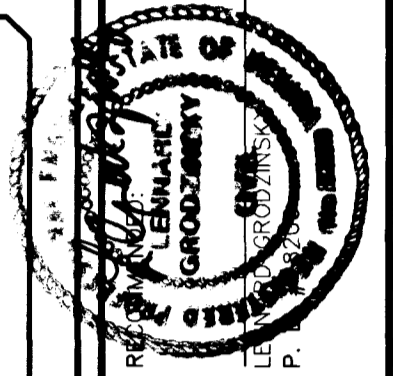
200 WATT HPS LUMINAIRE W/11 GA. POLE	3 EA
100 WATT HPS LUMINAIRE W/11 GA. POLE	12 EA
1 1/4" PVC CONDUIT	2314 LF
2" PVC CONDUIT	542 LF
NO. 3 ELECTRICAL PULL BOX	4 EA
NO. 5 ELECTRICAL PULL BOX	2 EA



VICINITY MAP

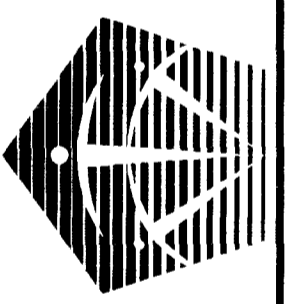
INDEX OF DRAWINGS

SHT. NO.	DESCRIPTION
1	COVER
2	SHEET INDEX, GENERAL NOTES
3	UTILITY NOTES
4	UTILITY PLAN
5	CIMARRON ROAD - PLAN & PROFILE
6	ODYSSEUS AVENUE - PLAN & PROFILE
7	OLYMPUS AVENUE - PLAN & PROFILE
8	POSEIDON STREET - PLAN & PROFILE JUGGERNAUT STREET - PLAN & PROFILE
9	OFFSITE SEWER - PLAN & PROFILE ROSINWEED STREET
10	OFFSITE SEWER - PLAN & PROFILE DEER SPRINGS WAY
11	OFFSITE SEWER - PLAN & PROFILE DEER SPRINGS WAY
12	GRADING PLAN
13	GRADING DETAILS



DATE: 10/17/97
DRAWN BY: [Signature]
DESIGNED BY: [Signature]
CHECKED BY: [Signature]
JOB NO.: 02220.0010
SCALE: NONE

PENTACORE
CIVIL ENGINEERING • LAND SURVEYING • PLANNING
CONSTRUCTION MANAGEMENT • ADA CONSULTING
6773 WEST CHARLESTON BOULEVARD
LAS VEGAS, NEVADA 89102 (702) 658-0015



OWNER / DEVELOPER
CIMARRON ROAD - DEER SPRING WAY
A LIMITED PARTNERSHIP
C/O EXECUTIVE DEVELOPMENT CORPORATION
6773 WEST CHARLESTON BLVD.
LAS VEGAS, NEVADA 89102
(702) 877-6222

LEGAL DESCRIPTION

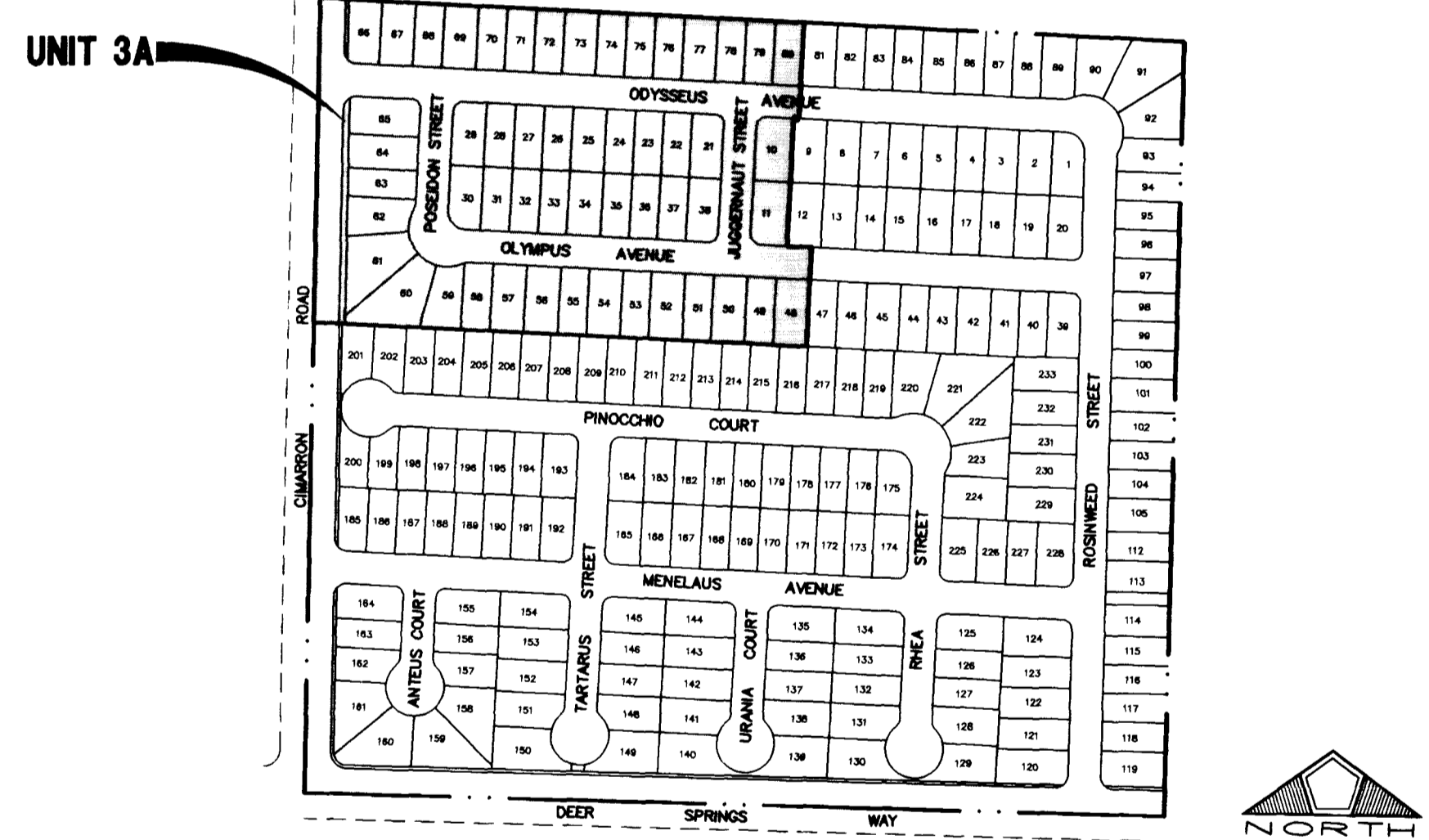
A PORTION OF THE SOUTHWEST QUARTER (SW 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 21, TOWNSHIP 10 SOUTH, RANGE 80 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA.

BENCHMARK

CLV BM # 1 LV90 21 N8
3" BRASS CAP USC & GS BM #113, 3/4 MILE N OF 1 LV9028N86,
50' E OF OLD RAILROAD BED.
ELEV. = 748.2684 (METERS) 2454.91 (NAVD88)

BASIS OF BEARING

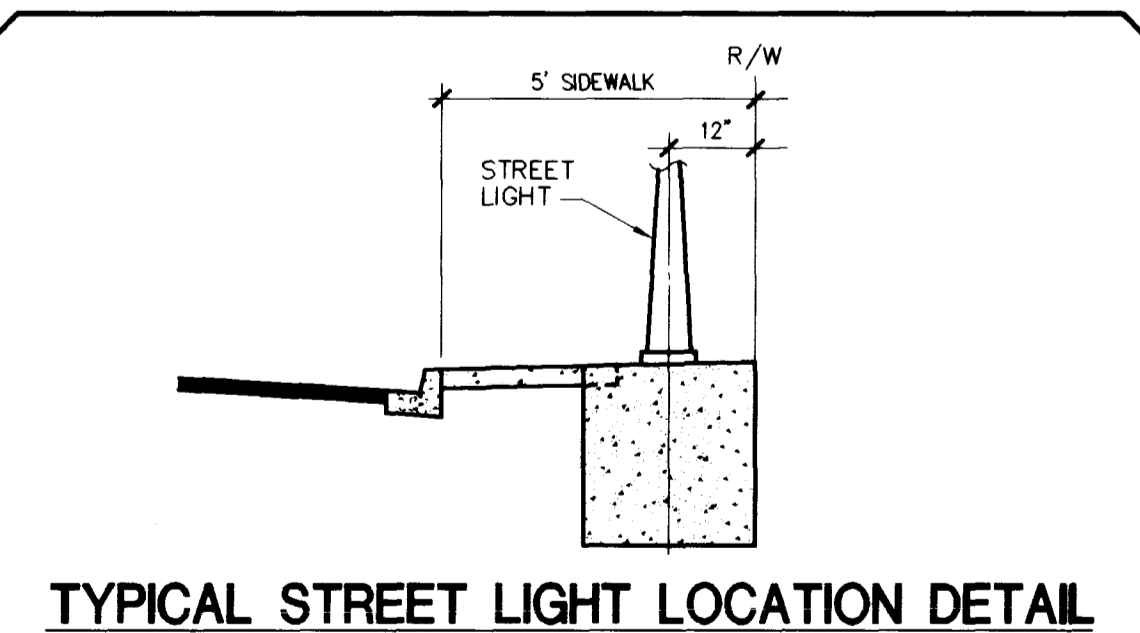
NORTH 85°48'07" WEST, BEING THE NORTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 21, TOWNSHIP 10 SOUTH, RANGE 80 EAST, M.D.M. AS SHOWN ON A RECORD OF SURVEY IN FILE 73, PAGE 28, IN THE CLARK COUNTY NEVADA RECORDERS OFFICE.



KEY MAP
(NOT TO SCALE)

LEGEND

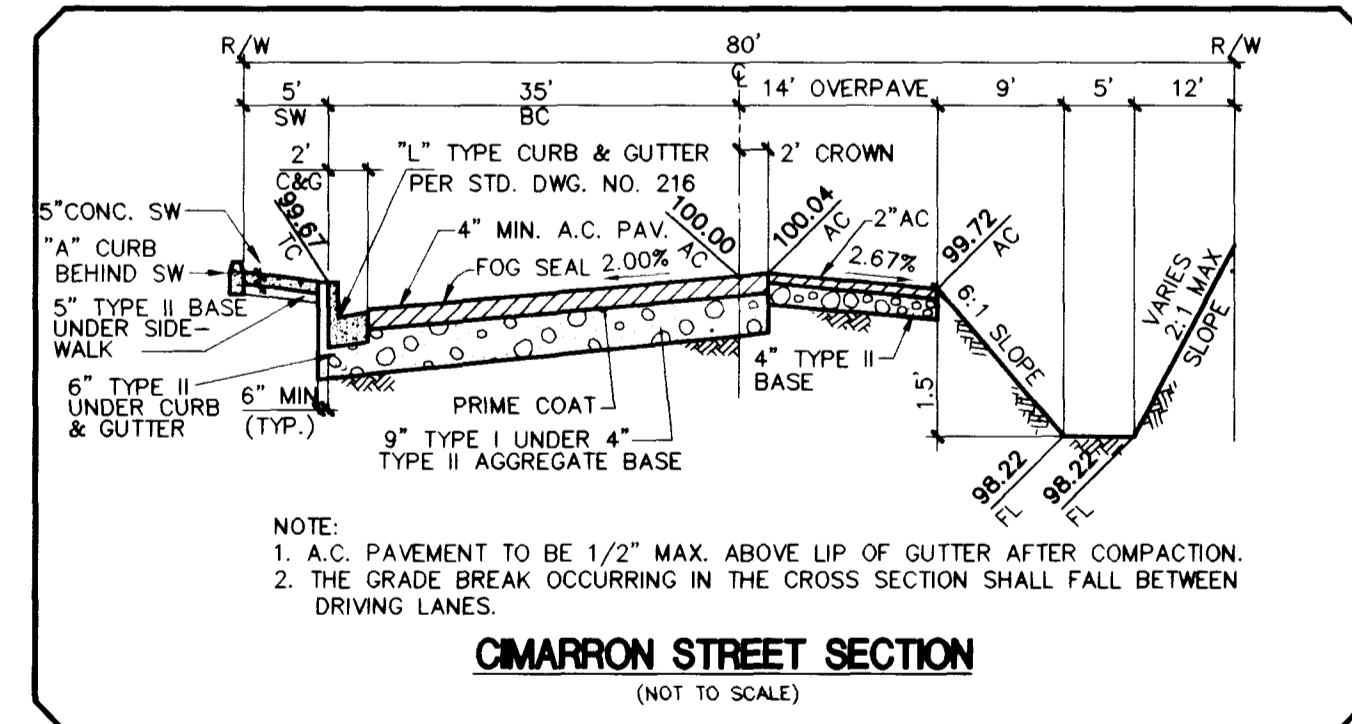
145	R/W LINE	SWALE
(08.5)	SUBDIVISION LIMITS	GRADE BREAK
(08.5)	STREET CENTERLINE	2:1 SCARP
(08.5)	EXISTING IMPROVEMENTS	EXISTING WATER LINE
(08.5)	FUTURE IMPROVEMENTS	PROPOSED WATER LINE
(98.63)	LOT NUMBER	EXISTING SEWER LINE
(98.63)	EXISTING PAD ELEVATION	PROPOSED SEWER LINE
(98.63)	PROPOSED PAD ELEVATION	EXISTING SEWER MANHOLE
(98.63)	FUTURE PAD ELEVATION	PROPOSED SEWER MANHOLE
(98.63)	EXISTING ELEVATION	EXISTING STORM DRAIN LINE
(98.63)	PROPOSED ELEVATION	PROPOSED STORM DRAIN LINE
(98.63)	FUTURE ELEVATION	PROPOSED STORM DRAIN MANHOLE
(98.63)	EXISTING CONTOUR 1	PROPOSED SIDEWALK RAMP PER STD. DETAIL NO. 235, CASE 1 (A AND B LENGTHS AS SHOWN ON PLANS)
(98.63)	EXISTING CONTOUR 5	
(98.63)	PROPOSED CONTOUR	
(98.63)	BLOCK NUMBER	
(98.63)	EXISTING EDGE OF PAVEMENT	



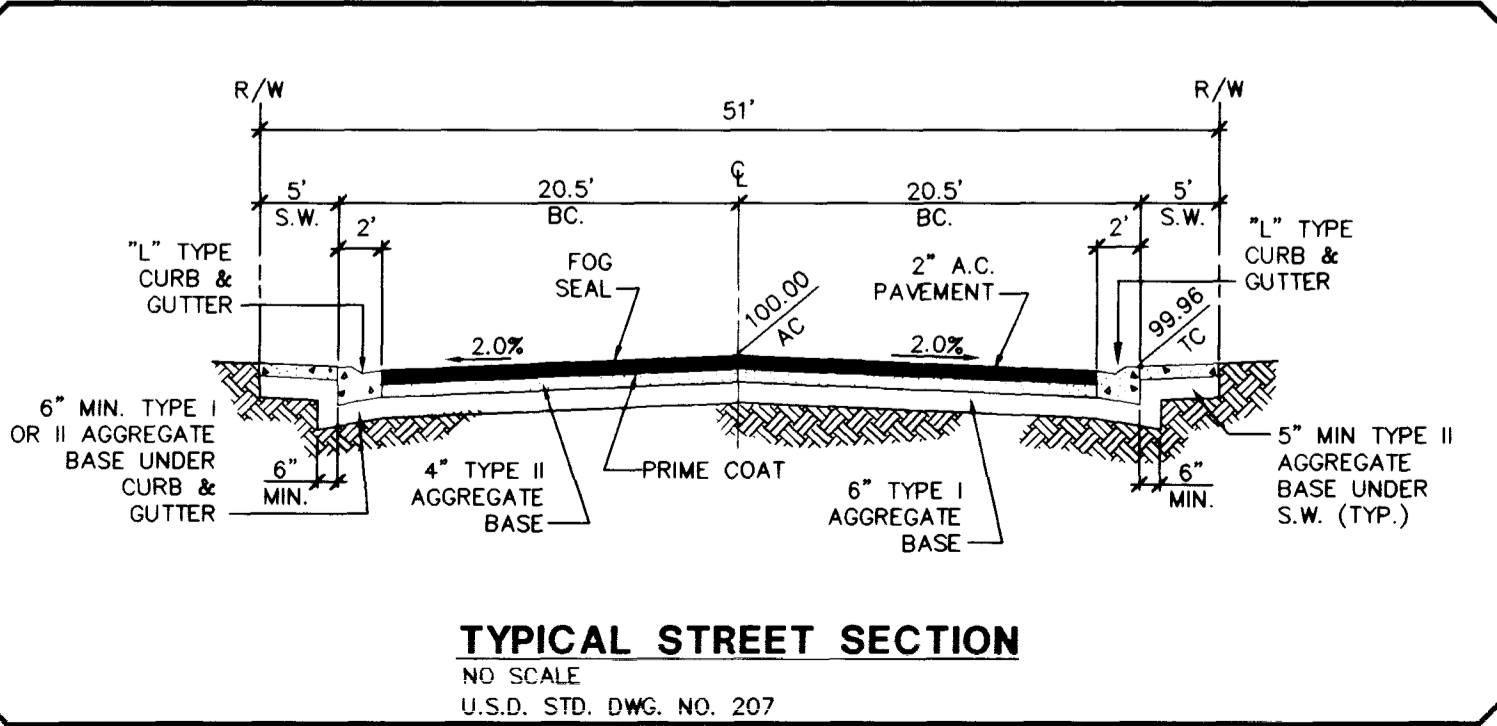
TYPICAL STREET LIGHT LOCATION DETAIL

DEVIATIONS FROM STANDARDS

- ALL KNUCKLES DEVIATE IN CONFIGURATION AND GRADES FROM USD 211.



CIMARRON STREET SECTION
(NOT TO SCALE)



TYPICAL STREET SECTION
NO SCALE
U.S.D. STD. DWG. NO. 207

G:\0225\0010\UNIT3A\COVER\SHR2.F1 Oct 17 08:36:44 1997 J. HIRSHQUER

DISK #

CITY OF LAWRENCE GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF LAWRENCE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, AND THE STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGE CONSTRUCTION, LATEST EDITION, BOTH AS PUBLISHED BY THE MISSOURI DEPARTMENT OF TRANSPORTATION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES.
3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
4. ALL UTILITIES SHALL BE PROTECTED AND DEEPENED AS NECESSARY.
5. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE THROUGHOUT THE PROJECT.
6. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION.
7. THE CONTRACTOR SHALL MAINTAIN ADEQUATE ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
8. ALL UTILITIES SHALL BE PROTECTED AND DEEPENED AS NECESSARY.
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17. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE THROUGHOUT THE PROJECT.
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19. THE CONTRACTOR SHALL MAINTAIN ADEQUATE ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
20. ALL UTILITIES SHALL BE PROTECTED AND DEEPENED AS NECESSARY.

FIELD NOTES, DIMENSIONS & MARKINGS

1. ALL DIMENSIONS SHALL BE IN FEET AND INCHES.
 2. ALL DIMENSIONS SHALL BE TO THE CENTERLINE UNLESS OTHERWISE NOTED.
 3. ALL DIMENSIONS SHALL BE TO THE FACE UNLESS OTHERWISE NOTED.

EXISTING CONDITIONS

1. ALL EXISTING UTILITIES SHALL BE PROTECTED AND DEEPENED AS NECESSARY.
2. ALL EXISTING STRUCTURES SHALL BE MAINTAINED UNLESS OTHERWISE NOTED.
3. ALL EXISTING SURFACES SHALL BE MAINTAINED UNLESS OTHERWISE NOTED.

ADJUSTMENTS

NO.	DESCRIPTION	AMOUNT	REMARKS
1	ADJUSTMENT TO GRADE	0.00	
2	ADJUSTMENT TO WIDTH	0.00	
3	ADJUSTMENT TO CURVE	0.00	
4	ADJUSTMENT TO SLOPE	0.00	
5	ADJUSTMENT TO OFFSET	0.00	
6	ADJUSTMENT TO ELEVATION	0.00	
7	ADJUSTMENT TO DISTANCE	0.00	
8	ADJUSTMENT TO ANGLE	0.00	
9	ADJUSTMENT TO AREA	0.00	
10	ADJUSTMENT TO VOLUME	0.00	



12" CURB & GUTTER
 SEE PLAN SHEET

ESTIMATE OF QUANTITIES

NO.	DESCRIPTION	QUANTITY	UNIT
1	GRAVEL	1000	CU YD
2	ASPHALT	1000	CU YD
3	CONCRETE	1000	CU YD
4	PAVEMENT	1000	CU YD
5	GRASS	1000	CU YD
6	LANDSCAPE	1000	CU YD
7	UTILITIES	1000	CU YD
8	STRUCTURES	1000	CU YD
9	EROSION CONTROL	1000	CU YD
10	OTHER	1000	CU YD

LEGEND

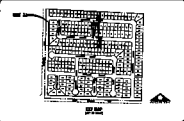
NO.	DESCRIPTION	QUANTITY	UNIT
1	GRAVEL	1000	CU YD
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6	LANDSCAPE	1000	CU YD
7	UTILITIES	1000	CU YD
8	STRUCTURES	1000	CU YD
9	EROSION CONTROL	1000	CU YD
10	OTHER	1000	CU YD



PROJECT LOCATION

INDEX OF CHANGES

NO.	DESCRIPTION
1	ISSUE
2	REVISED PER PLAN NO. 1
3	REVISED PER PLAN NO. 2
4	REVISED PER PLAN NO. 3
5	REVISED PER PLAN NO. 4
6	REVISED PER PLAN NO. 5
7	REVISED PER PLAN NO. 6
8	REVISED PER PLAN NO. 7
9	REVISED PER PLAN NO. 8
10	REVISED PER PLAN NO. 9
11	REVISED PER PLAN NO. 10
12	REVISED PER PLAN NO. 11
13	REVISED PER PLAN NO. 12



DETAILED SITE PLAN



TYPICAL STREET LIGHT LOCATION DETAIL



TYPICAL STREET LIGHT LOCATION DETAIL



TYPICAL STREET LIGHT LOCATION DETAIL

NO.	DESCRIPTION	QUANTITY	UNIT
1	GRAVEL	1000	CU YD
2	ASPHALT	1000	CU YD
3	CONCRETE	1000	CU YD
4	PAVEMENT	1000	CU YD
5	GRASS	1000	CU YD
6	LANDSCAPE	1000	CU YD
7	UTILITIES	1000	CU YD
8	STRUCTURES	1000	CU YD
9	EROSION CONTROL	1000	CU YD
10	OTHER	1000	CU YD

OWNER / CONTRACTOR
 LAWRENCE, MISSOURI
 1000 MAIN STREET
 LAWRENCE, MISSOURI 64503
 (781) 555-1234

LEGAL DESCRIPTION
 A CERTAIN PORTION OF THE EAST HALF OF SECTION 16, TOWNSHIP 36N, RANGE 10W, MO. 6TH MERIDIAN.

REMARKS
 ALL DIMENSIONS SHALL BE TO THE CENTERLINE UNLESS OTHERWISE NOTED.
 ALL DIMENSIONS SHALL BE TO THE FACE UNLESS OTHERWISE NOTED.

SCALE OF DRAWING
 1" = 40' HORIZONTAL
 1" = 10' VERTICAL

1077-4492-2A
 2
 PERMANENT EQUIPMENT COMPANION
 LICENSE - CHAIRS, STAIRS, LIFT, IS
 SEAT BELT, GENERAL NOTES