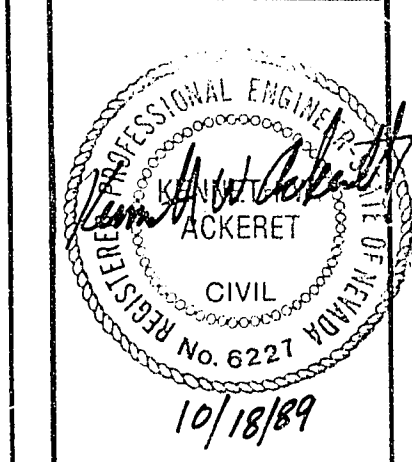


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			26	U9	STA. 68+40.00 (15+62.52 VTN) TO RANCHO ROAD
			27	U10	STORM DRAIN INTAKE STRUCTURAL DETAILS
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			29	S1	SIGNALIZATION, LEGEND & NOTES
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			35	DP4	RANCHO ROAD
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			36	D1	SANITARY SEWER JUNCTION BOX
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			38	D3	DETAILS
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					ROADWAY PLAN & PROFILE
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9	P2	STA. 6+00 TO STA. 15+00			
10	P3	STA. 15+00 TO STA. 24+00			
11	P4	STA. 24+00 TO STA. 34+00			
12	P5	STA. 34+00 TO STA. 44+00			
13	P6	STA. 44+00 TO STA. 52+00			
14	P7	STA. 52+00 TO STA. 63+00			
15	P8	STA. 63+00 TO STA. 68+40.00			
16	P9	STA. 68+40.00 (15+62.52 VTN) TO RANCHO ROAD			
17	P10	DETAILS & CROSS SECTIONS			

NO.	DESCRIPTION/DATE	BY



SPARKS, NEVADA
LAS VEGAS, NEVADA
INCORPORATED
SEA
ENGINEERS/PLANNERS

CITY OF LAS VEGAS
LAKE MEAD BOULEVARD
WINWOOD STREET TO RANCHO ROAD
GENERAL NOTES, INDEX TO SHEETS,
LEGEND & VICINITY MAP

DESIGNED	SAV
DRAWN	BB
COMP.	HJB
CHECKED	
DATE	

107-V1608
G2
2 of 39 SHEETS

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA, NEVADA", LATEST ISSUE; ANY OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE SPECIAL PROVISIONS FOR THIS PROJECT; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE.
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE DRAWINGS. EXISTING UTILITIES LOCATED ON THESE PLANS ARE ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. SOME EXISTING UTILITY SERVICE LATERALS ARE NOT SHOWN ON THE PLANS. THE CITY OF LAS VEGAS AND ITS ENGINEER ASSUME NO RESPONSIBILITY FOR UTILITIES, STRUCTURES, OR CONDUITS NOT OF RECORD OR NOT IN THE LOCATION OF RECORD. CALL 1-800-227-2600 FOR UTILITY LOCATION VERIFICATION PRIOR TO EXCAVATING.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR RECONSTRUCTED SATISFACTORY TO THE OWNER AT THE EXPENSE OF THE CONTRACTOR.
- ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION PER STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT BACKFILL ANY TRENCHES IN WHICH WATERLINES HAVE BEEN UNCOVERED UNTIL THE WATER LINES HAVE BEEN INSPECTED BY THE LAS VEGAS VALLEY WATER DISTRICT. THE WATER DISTRICT SHALL BE NOTIFIED 24 HOURS IN ADVANCE OF CONSTRUCTION IN THE VICINITY OF WATER LINES.
- THE CONTRACTOR SHALL BE REQUIRED TO LOWER ALL WATER VALVES TO SUBGRADE ELEVATION. THE VALVES SHALL BE RAISED TO FINISH GRADE AFTER THE ASPHALT PAVEMENT HAS BEEN PLACED (OR PRIOR TO CONCRETE POUR). SEE DETAIL SHEET.
- THE SOUTHWEST GAS COMPANY SHALL BE REQUIRED TO LOWER ALL GAS VALVES TO THE SUBGRADE ELEVATION. THE VALVES SHALL BE RAISED TO FINISH GRADE AFTER THE ASPHALT PAVEMENT HAS BEEN PLACED (OR PRIOR TO CONCRETE POUR) PER DETAIL SHEET. THE SOUTHWEST GAS COMPANY SHALL BE RESPONSIBLE FOR THE REMOVAL OR RELOCATION OF ALL PIPE AND APPURTENANCES THAT INTERFERE WITH REQUIRED IMPROVEMENTS SHOWN ON THE PLANS.
- THE CENTRAL TELEPHONE COMPANY SHALL BE RESPONSIBLE FOR THE VERTICAL ADJUSTMENT OF ALL CENTRAL TELEPHONE COMPANY MANHOLES TO THE FINISHED GRADE SHOWN ON THE PLANS.
- THE NEVADA POWER COMPANY SHALL BE RESPONSIBLE FOR THE VERTICAL ADJUSTMENT OF ALL NEVADA POWER COMPANY MANHOLES TO THE FINISHED GRADE SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL OVERHEAD INTERFERENCES WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD OR UNDERGROUND POWER AND/OR TELEPHONE FACILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COSTS AND LIABILITY IN CONNECTION THEREWITH.
- THE OWNING UTILITY COMPANY SHALL BE RESPONSIBLE FOR THE REMOVAL OR RELOCATION OF ALL POWER POLES, TELEPHONE POLES, JOINTLY OWNED POLES AND RELATED APPURTENANCES THAT INTERFERE WITH REQUIRED IMPROVEMENTS SHOWN ON THE PLANS, AND IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- UTILITY MANHOLE ADJUSTMENT SHALL CONFORM TO DETAIL SHEET WHERE APPLICABLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERTICAL ADJUSTMENT OF EXISTING SANITARY SEWER AND STORM DRAIN MANHOLES TO THE REQUIRED GRADE PER THESE CONSTRUCTION PLANS.
- ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY ALTERATIONS SHALL HAVE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
- TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE DESIGNED FOR A 5.5 SACK MIX WITH A MAXIMUM WATER/CEMENT RATIO OF 0.45 (OR AS DESIGNATED BY THE SOILS ENGINEER). MIX DESIGN TO BE APPROVED BY THE QUALITY CONTROL DIVISION PRIOR TO USE ON THIS 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.
- AC PAVEMENT TO BE 1/2" ABOVE LIP OF ALL CURB AND VALLEY GUTTER AFTER COMPACTION.
- CURB AND GUTTER WITH A GRADE OF LESS THAN FOUR TENTHS OF ONE PERCENT SHALL BE CONSTRUCTED BY FORMING. EACH JOINT SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION.
- WHEELCHAIR 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.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND INGRESS AND EGRESS TO SAID CONSTRUCTION. 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.
- 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.
- BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW ENCROACHMENTS INTO EXISTING STREETS IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
- ALL CONSTRUCTION SIGNING, BARRICADING AND TRAFFIC DELINEATION SHALL CONFORM TO THE "NEVADA WORK ZONE TRAFFIC CONTROL HANDBOOK - 1985" AND TO THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES - 1978", REV. NO. 4, MARCH, 1986.
- IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL, OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE ENGINEER.
- ALL BARRICADING AND TEMPORARY TRAFFIC CONTROL DEVICES OR METHODS USED SHALL BE IN ACCORDANCE WITH THE STATE OF NEVADA "TRAFFIC CONTROL MANUAL" (JUNE 1980), THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (U.S. DEPARTMENT OF TRANSPORTATION, 1978) AND DETAILS OF THESE PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL PERMANENT SIGNS SHOWN ON THE PLANS. STREET NAME SIGNS SHALL CONFORM TO THE CITY OF LAS VEGAS STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF LAS VEGAS STANDARDS.
- IF A PROPOSED STREET LIGHT IS FIELD LOCATED TO WITHIN FIVE (5) FEET OF ANY SIGN SHOWN HEREON TO BE MOUNTED ON A SIGN POST, THEN CHANGE SIGN MOUNTING TO ONE ON THE STREET LIGHT STANDARD.
- SEA, INCORPORATED, CONSULTING ENGINEERS ASSUMES NO LIABILITY, EXPRESSED OR IMPLIED, RESULTING FROM THE CONSTRUCTION OF THE IMPROVEMENTS CONTEMPLATED HEREIN WHICH MAY BE IN VIOLATION OF LOCAL, STATE, OR FEDERAL LAWS, ORDINANCES, OR SPECIFICATIONS INCLUDING, BUT NOT LIMITED TO, THE PROVISIONS OF THE ENDANGERED SPECIES ACT.
- ALL STORM SEWER INSTALLATIONS SHALL CONFORM TO THE STANDARD DETAILS AND SPECIFICATIONS OF THE CITY OF LAS VEGAS, AND SHALL ALSO CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OF OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, LATEST EDITION, UNLESS OTHERWISE NOTED.
- CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
- ALL MANHOLES IN PAVED STREETS 80' R/W AND LARGER, SHALL HAVE CONCRETE COLLARS.
- ALL APPLICABLE DIMENSIONS ARE FROM BACK OF CURB UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL CONSTRUCT AND FINE GRADE ALL CUT AND FILL SLOPES TO MATCH THE EXISTING CONDITIONS TO THE SATISFACTION OF THE ENGINEER.
- AT THE TIME OF THE PRE-CONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL FURNISH, FOR APPROVAL, A TRAFFIC CONTROL PLAN SHOWING THE METHODS TO BE USED IN MAINTAINING PUBLIC CONVEYANCE AND SAFETY THROUGHOUT THE CONSTRUCTION AREA. TRAFFIC BARRICADING PLANS SHALL COMPLY WITH APPLICABLE PORTIONS OF SECTIONS 624 AND 625 OF THE STANDARD SPECIFICATIONS, THE NEVADA TRAFFIC CONTROL MANUAL AND APPLICABLE CITY ORDINANCES.
- ALL EXISTING TRAFFIC SIGNS TO BE REMOVED AND NOT DESIGNATED FOR REUSE SHALL BE SALVAGED BY THE CONTRACTOR AND DELIVERED TO THE CITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION OF ALL WATER SERVICES AND METERS WHICH INTERFERE WITH THE IMPROVEMENTS SHOWN ON THE CONTRACT DRAWINGS UNLESS NOTED OTHERWISE.
- THE GEOTECHNICAL REPORT FOR LAKE MEAD BOULEVARD (WINWOOD STREET TO RANCHO ROAD) AS PREPARED BY SEA/PLANNERS IS AVAILABLE FOR REVIEW BY THE CONTRACTOR AT THEIR OFFICE AT 1405 ARVILLE STREET, LAS VEGAS, NEVADA 89102.
- THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND PERFORM ALL WORK NECESSARY TO INSURE SAFE VEHICULAR ACCESS TO RESIDENCES, BUSINESSES AND ALL OTHER ADJACENT PROPERTIES DURING THE COURSE OF CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND PERFORM ALL WORK TO MAKE THE NECESSARY LINE AND GRADE ADJUSTMENTS OF ALL DRIVEWAYS AND SIDESTREETS TO MATCH NEW CONSTRUCTION. APPROXIMATE LIMITS OF CONSTRUCTION ARE SHOWN ON THESE PLANS.

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		DRIVEWAY
		ELECTRIC
		ELEVATION
		FENCE
		FIRE HYDRANT
		GAS LINE
		FULL BOX
		MANHOLE
		POWER LINE
		SANITARY SEWER
		SPOT ELEVATION
		STORM DRAIN
		STREET LIGHT
		TELEPHONE (UNDERGROUND) LINE
		WATER LINE
		WATER OR GAS VALVE
		WHEELCHAIR RAMP
		DELINEATOR POST
		TEST HOLE
		SAW CUT & MATCH EXISTING
		CURVE DESIGNATION
		RIGHT-OF-WAY
		CURB & GUTTER AND SIDEWALK
		CONTOUR LINE
		CUT OR FILL SLOPE
		DRAINAGE SWALE OR CHANNEL
		UTILITY POLE W/GUY ANCHOR
		TRAFFIC SIGN
		BLOCK WALL
		ASPHALTIC CONCRETE (3-4" SIDESTREETS)
		ASPHALTIC CONCRETE (4")
		REMOVE & REPLACE EXIST. PAVING MATERIAL
		GRAVEL (REMOVE & REPLACE)
		CROWN WARP
		MAILBOX
		WATER METER RELOCATION
		ELECTRICAL SERVICE POINT

RECORD DRAWING

L-1288