

**GENERAL NOTES:**

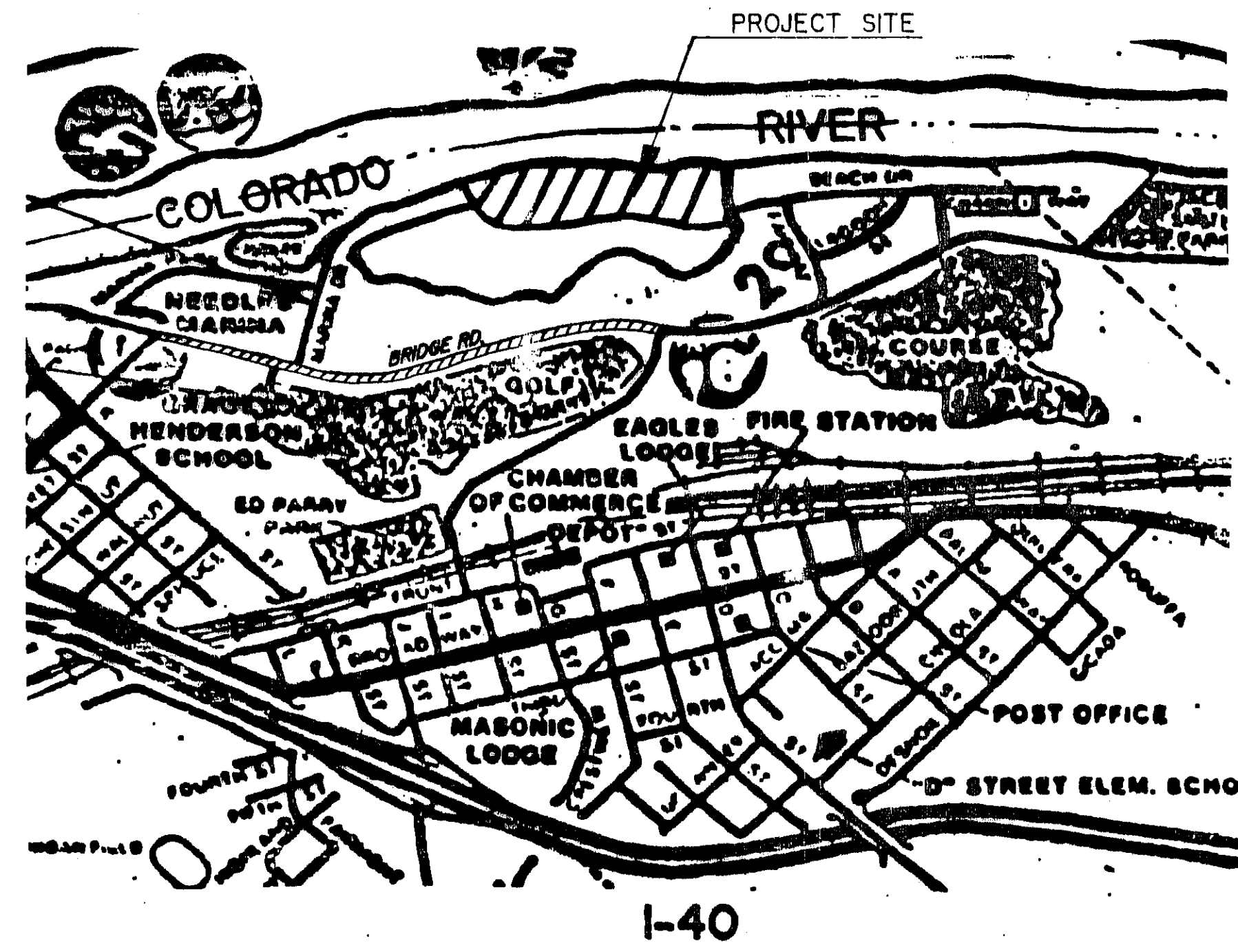
- 1) ALL CONSTRUCTION SHALL CONFORM TO THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION BY AMERICAN PUBLIC WORKS ASSOCIATION, SOUTHERN CALIFORNIA CHAPTER AND BY ASSOCIATED GENERAL CONTRACTORS OF CALIFORNIA, SOUTHERN CALIFORNIA DISTRICTS, STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION AND THE RECOMMENDATIONS OF THE SOILS AND FOUNDATIONS INVESTIGATION BY SUMMIT ENGINEERING CORPORATION, DATED APRIL 19, 1990 AND ALL ADDENDUM.
- 2) THE INSPECTION AND TESTING OF SOILS SHALL BE TO CITY OF NEEDLES STANDARDS.
- 3) PRIVATE STREETS AND/OR DRIVEWAYS REFLECTED ON THESE PLANS ARE TO BE INSPECTED BY A CITY OF NEEDLES INSPECTOR.
- 4) POWER POLES AND/OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREON WILL BE RELOCATED AT NO EXPENSE TO THE CITY OF NEEDLES.
- 5) THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND FEES REQUIRED FOR CONSTRUCTION.
- 6) THE CONTRACTOR SHALL NOTIFY ALL AFFECTED PUBLIC ENTITIES, THE PROJECT ENGINEER, THE SOILS ENGINEER, AND THE CITY OF NEEDLES AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF WORK.
- 7) THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF CONSTRUCTION, WHETHER OR NOT SAID UTILITIES ARE SHOWN ON THESE PLANS. THIS RESPONSIBILITY INCLUDES CONTACTING UTILITY COMPANIES FOR LOCATIONS OR POTHOLES PRIOR TO CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 8) THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL ELEVATIONS, DIMENSIONS, EXISTING CONDITIONS, AND POINTS OF CONNECTION WITH ADJOINING PROPERTY (PUBLIC AND PRIVATE). ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE PROJECT ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
- 9) THE CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE, INGRESS, AND EGRESS TO THE PROJECT.
- 10) CURB AND GUTTER WITH A GRADE OF LESS THAN 0.40% SHALL BE CONSTRUCTED BY FORMING. EACH POINT SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION.
- 11) FINAL ASPHALTIC CONCRETE PAVEMENT SURFACES SHALL BE ONE-HALF INCH ABOVE THE LIP OF THE GUTTER (INCLUDING OPEN GRADE). PAVEMENT SURFACES SHALL BE FLUSH WITH EDGES OF CROSS GUTTERS.
- 12) EXACT LOCATION OF ALL SAWCUT LINES SHALL BE DETERMINED IN THE FIELD BY A CITY OF NEEDLES INSPECTOR.
- 13) THE CONTRACTOR SHALL MAINTAIN AN ON-GOING PROCESS OF REMOVAL OF ALL SPILLAGE OF EXCAVATION MATERIAL ON ALL PAVED STREETS.
- 14) TOPS OF ALL SLOPES SHALL BE LOCATED DURING GRADING OPERATIONS IN ORDER TO ACCOMMODATE WALL CONSTRUCTION. THE INTEGRITY OF THE COMPACTION OF WALL FOOTING DURING NORMAL GRADING PROCEDURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 15) SLOPES CONSTRUCTED FROM THE STREET TO THE TOP OF PADS DURING ROUGH GRADING SHALL ACCOMMODATE THE FUTURE CONSTRUCTION OF SIDEWALKS WHICH ABUT STREETS.
- 16) 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 STREET ENCROACHMENTS INTO EXISTING CITY STREETS IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
- 17) 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 CITY OF NEEDLES TRAFFIC ENGINEER.
- 18) THE DEVELOPER SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL PERMANENT SIGNS SHOWN ON THE PLANS. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CITY OF NEEDLES 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 NEEDLES STANDARDS.
- 19) IF A PROPOSED STREET LIGHT STANDARD IS FIELD LOCATED TO WITHIN FIVE (5) FEET OF ANY SIGN SHOWN HEREON TO BE MOUNTED ON A SIGN POST, THEN CHANGE MOUNTING TO ONE ON THE STREET LIGHT STANDARD.
- 20) ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE APPROVED AND PLACED IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO ANY PORTION OF THE ROAD BEING IMPROVED HEREUNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR ON THESE PLANS.
- 21) CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREA IN ORDER TO DEVELOP THE CONTRACTOR'S PLANS TO IMPLEMENT THE WORK AS SHOWN ON THESE CONSTRUCTION PLANS. THE CONTRACTOR'S PLANS SHALL PROVIDE FOR ADEQUATE TRENCH SAFETY SYSTEMS THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL DEVELOP AND IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

**GRADING NOTES:**

1. THE CONTRACTOR SHALL MAINTAIN A DUST CONTROL PROGRAM, INCLUDING WATERING OF OPEN AREAS.
2. ALL AREAS DISTURBED AND LEFT UNDEVELOPED FOR A PERIOD OF MORE THAN 30 DAYS SHALL BE STABILIZED BY THE APPLICATION OF A DUST PALLIATIVE.
3. LAND GRADING SHALL BE DONE IN A METHOD TO PREVENT DUST FROM TRANVERSING THE PROPERTY LINE.
4. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED PUBLIC ENTITIES 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
5. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE SOILS ENGINEER, AND THE CITY OF NEEDLES 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE UTILITY COMPANIES FOR LOCATIONS OR POTHOLES PRIOR TO CONSTRUCTION.
7. ALL CUT AND FILL SLOPES BEGIN TWO (2) FEET BEHIND BACK OF CURB UNLESS OTHERWISE NOTED.
8. ADD 400' FEET TO ALL SPOT ELEVATIONS.

**UTILITY NOTES:**

1. AT ALL POINTS WHERE WATER AND SEWER LINES CROSS: A MINIMUM VERTICAL CLEARANCE OF 18" SHALL BE MAINTAINED. A MINIMUM HORIZONTAL CLEARANCE OF 10' SHALL BE MAINTAINED ON ALL SEWER AND WATER MAINS RUNNING PARALLEL TO EACH OTHER. IF THESE CONSTRAINTS CAN NOT BE ACCOMPLISHED, NOTIFY THE ENGINEER.
2. ANY CONFLICT WITH EXISTING UTILITIES SHALL BE IMMEDIATELY CALLED TO THE ATTENTION OF THE ENGINEER.
3. ALL MANHOLES SHALL BE 48" UNLESS OTHERWISE SPECIFIED.
4. SANITARY SEWER LATERALS SHALL BE 4 in. SDR 35 P.V.C.
5. ALL STORM DRAIN SHALL BE CLASS III RCP.
6. ALL SANITARY SEWER MAINS SHALL BE SDR 35 P.V.C.
7. ALL WATER MAINS SHALL BE C-900-CLASS 150 P.V.C. WATER PIPE.
8. SANITARY SEWER FORCE MAIN SHALL BE SCHEDULE 40 PVC.



**VICINITY MAP**

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 DATE: JULY 1994

**NOTE SHEET**  
 PORTOBELLO SINGLE FAMILY RESIDENTIAL DEVELOPMENT  
 NEEDLES, SAN BERNARDINO CA

REV.	DATE	DESCRIPTION	BY	APP'D

