

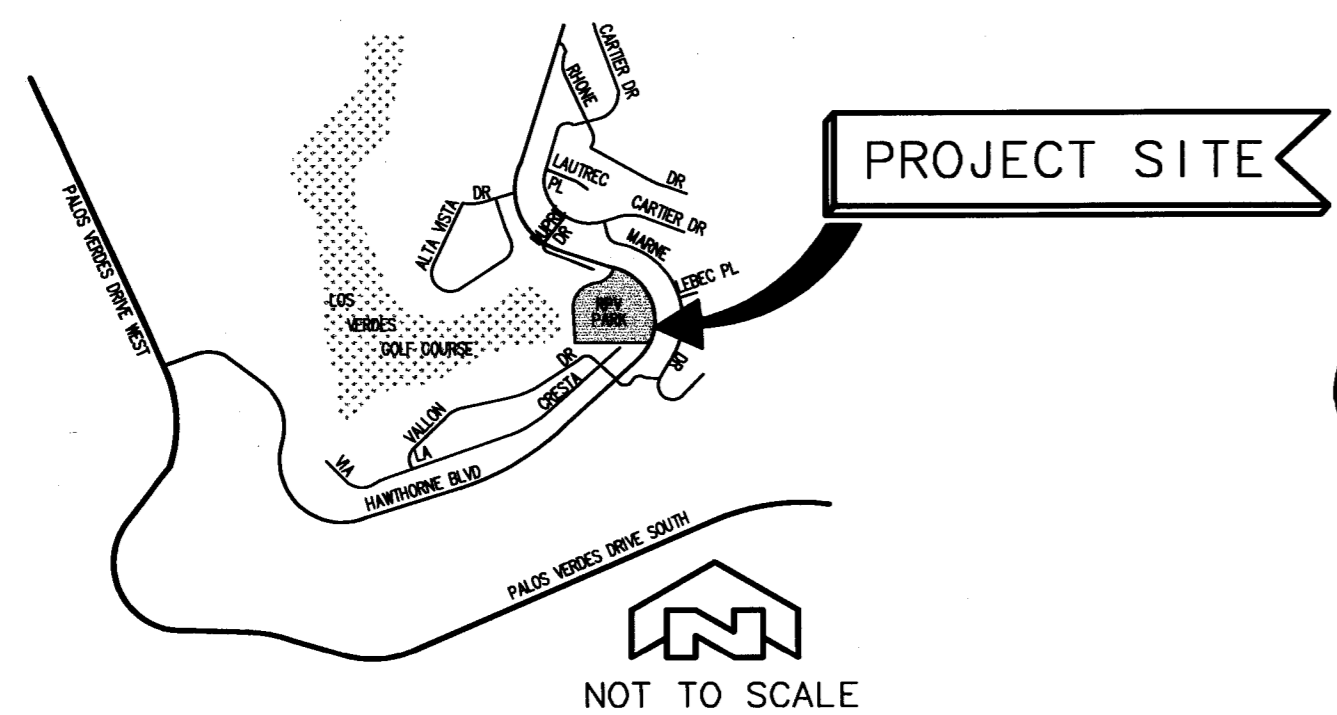
CITY OF RANCHO PALOS VERDES

COUNTY OF LOS ANGELES

GRADING AND DRAINAGE IMPROVEMENTS

FOR

ROBERT E. RYAN PARK



VICINITY MAP

GENERAL NOTES

1. A PERMIT SHALL BE OBTAINED AND ALL FEES AND DEPOSITS FOR CONSTRUCTION INSPECTION SHALL BE PAID TO THE DEPARTMENT OF PUBLIC WORKS AT THE PERMIT COUNTER OF THE CITY OF RANCHO PALOS VERDES PRIOR TO STARTING WORK UNDER THIS CONTRACT. ALSO, ALL OTHER REQUIRED PERMITS, SUCH AS EXCAVATION PERMITS MUST BE OBTAINED PRIOR TO STARTING WORK UNDER THIS CONTRACT.
2. THE CONTRACTOR SHALL CONTACT THE DEPARTMENT OF PUBLIC WORKS, CITY OF RANCHO PALOS VERDES TO ARRANGE FOR AN ACCEPTABLE CONSTRUCTION START DATE.
3. APPROVAL OF THIS PLAN BY THE CITY OF RANCHO PALOS VERDES DOES NOT CONSTITUTE REPRESENTATION OF THE ACCURACY OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY PIPE OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THIS NOTE APPLIES TO ALL SHEETS.
4. ALL WORK SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1994 EDITION," INCLUDING SUPPLEMENTS AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE DIRECTOR OF PUBLIC WORKS.
5. THE CONTRACTORS ATTENTION IS DIRECTED TO SECTION 7-100.41 OF THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" IN REGARD TO SAFETY ORDERS.
6. ELEVATIONS ARE IN FEET ABOVE U.S.C. & GS. MEAN SEA LEVEL DATUM OF 1029 UNLESS OTHERWISE NOTED.
7. EXISTING UTILITIES SHALL BE MAINTAINED IN PLACE BY THE CONTRACTOR, UNLESS OTHERWISE NOTED.
8. THE LATEST REVISED STANDARD PLAN OR DRAWING SHALL BE USED UNLESS OTHERWISE SPECIFICALLY NOTED.
9. ALL GRADING AND CONSTRUCTION SHALL CONFORM TO CHAPTER 70 OF THE UNIFORM BUILDING CODE UNLESS SPECIFICALLY NOTED ON THESE PLANS.
10. THE AREAS TO RECEIVE COMPACTED FILL SHALL BE STRIPPED OF ALL VEGETATION, DEBRIS, EXISTING LOOSE FILL, SOIL, AND SOFT OR DISTURBED EARTH MATERIALS. THE EXCAVATED AREAS SHALL BE OBSERVED BY THE SOILS ENGINEER PRIOR TO PLACING COMPACTED FILL.
11. THE EXPOSED GRADE SHALL THEN BE SCARIFIED TO A DEPTH OF 6 INCHES, MOISTENED TO OPTIMUM MOISTURE CONTENT, AND RECOMPACTED TO 90 PERCENT OF THE MAXIMUM DENSITY.
12. FILL SLOPES MAY BE CONSTRUCTED AT A 2:1 GRADIENT AND SHALL BE KEYED AND BENCHED INTO BEDROCK. KEYWAYS SHOULD BE A MINIMUM OF 10 FEET WIDE AND 2 FEET INTO BEDROCK, OR, AS DETERMINED DURING CONSTRUCTION BY THE GEOTECHNICAL ENGINEER.
13. FILL, CONSISTING OF SOIL APPROVED BY THE SOILS ENGINEER, SHALL BE PLACED IN COMPACTED LAYERS WITH SUITABLE COMPACTION EQUIPMENT. THE EXCAVATED ONSITE MATERIALS ARE CONSIDERED SATISFACTORY FOR REUSE IN THE CONTROLLED FILL ON THE SLOPE ADJACENT TO THE PARKING AREA. ANY IMPORTED FILL SHALL BE OBSERVED BY THE SOILS ENGINEER PRIOR TO USE IN FILL AREA. ROCKS LARGER THAN 6 INCHES IN DIAMETER SHALL NOT BE USED IN THE FILL.
14. THE FILL SHALL BE COMPACTED TO AT LEAST 90 PERCENT OF THE MAXIMUM LABORATORY DENSITY FOR THE MATERIAL USED. THE MAXIMUM DENSITY SHALL BE DETERMINED BY ASTM D1557-78 OR EQUIVALENT.
15. FIELD OBSERVATION AND TESTING SHALL BE PERFORMED BY THE SOILS ENGINEER DURING GRADING TO ASSIST THE CONTRACTOR IN OBTAINING THE REQUIRED DEGREE OF COMPACTION AND THE PROPER MOISTURE CONTENT. WHERE COMPACTION IS LESS THAN REQUIRED, ADDITIONAL COMPACTION EFFORT SHALL BE MADE WITH ADJUSTMENT OF THE MOISTURE CONTENT, AS NECESSARY, UNTIL 90 PERCENT COMPACTION IS OBTAINED. A MINIMUM OF ONE COMPACTION TEST SHOULD TAKEN FOR EACH 2 FEET OF FILL PLACED.
16. A BURRITO-TYPE SUBDRAIN IS REQUIRED AT THE REAR OF THE KEYWAY. THE SUBDRAIN SHOULD CONSIST OF AN APPROVED PERFORATED PIPE. THE DIAMETER AND THICKNESS OF THE PIPE SHOULD CONFORM WITH CITY REQUIREMENTS, BASED ON THE DEPTH AND EXTENT OF FILL. THE SUBDRAIN SHOULD BE SURROUNDED BY A MINIMUM OF 3 CUBIC FEET OF GRAVEL FOR EACH LINEAR FOOT OF PIPE. THE GRAVEL SHOULD BE SURROUNDED BY FILTER FABRIC. THE SUBDRAIN SHOULD HAVE A SUITABLE OUTLET WHICH DAYLIGHTS TO THE ATMOSPHERE THROUGH SOLID PIPE AT A MINIMUM GRADIENT OF 2%.
17. THE REQUIRED METHOD OF FILL SLOPE CONSTRUCTION FOR THIS TYPE OF REPAIR IS TO OVERBUILD THE SLOPE AND TRIM BACK TO A COMPACTED CORE AT GRADE. HOWEVER, IT SHOULD BE NOTED THAT THIS METHOD WILL RESULT IN A SMALL VOLUME OF EXCESS DIRT WHICH MAY NEED TO BE EXPORTED FROM THE SITE.

INDEX TO DRAWINGS

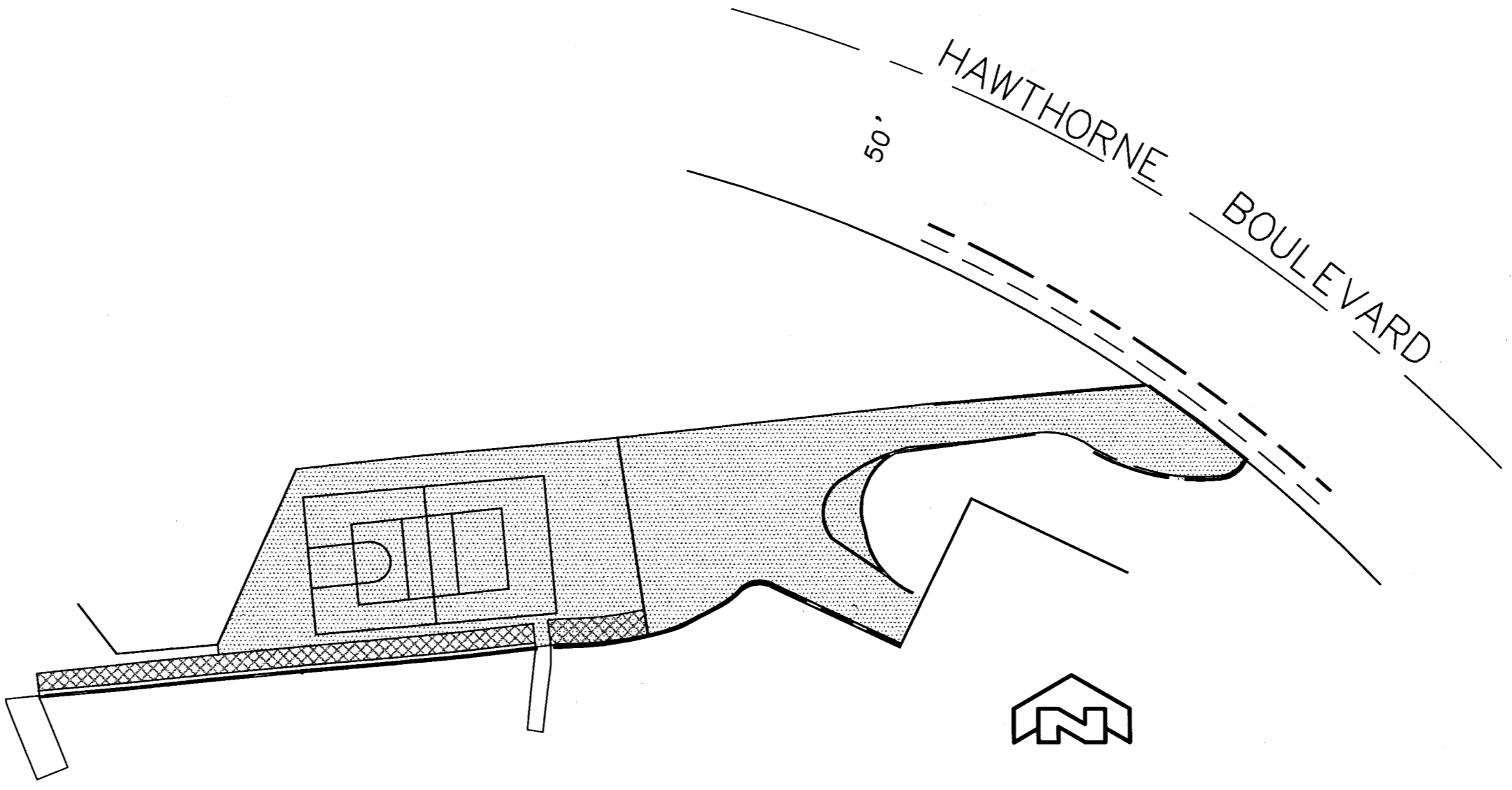
SHEET NO.	CONTENTS DESCRIPTION
1	TITLE SHEET
2	GRADING AND DRAINAGE

NOTICE

1. UTILITY LOCATIONS SHOWN HEREON REFLECT AVAILABLE RECORD DATA. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITY LINES SHOWN HEREON AND ANY OTHER UTILITY LINES OTHERWISE LOCATED. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 24 HOURS PRIOR TO START OF CONSTRUCTION.
2. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AT 1-800-422-4133 FOR UNDERGROUND LOCATING AT LEAST 2 WORKING DAYS BEFORE COMMENCING AUTHORIZED EXCAVATION.
3. CONTRACTOR SHALL NOTIFY CITY OF RANCHO PALOS VERDES PUBLIC WORKS DEPARTMENT AT LEAST 72 HOURS PRIOR TO START OF CONSTRUCTION, AND AT LEAST 24 HOURS PRIOR TO ALL INSPECTIONS.

CONSTRUCTION NOTES

NO.	DESCRIPTION	QTY
1	CONSTRUCT TYPE A2-6 CURB AND 18" GUTTER PER A.P.W.A. STANDARD PLAN NO. 120-0, MODIFY CURB WIDTH PER DETAIL ON SHEET 2 OF 2	150 LF
2	CONSTRUCT 4" A.C. PAVEMENT OVER 4" AGGREGATE BASE PER GEOTECHNICAL RECOMMENDATIONS.	AC 27 TON AB 22 CY
3	SLURRY SEAL EXISTING PAVEMENT.	12,254 SF
4	RESTRIPE COURT AND PARKING AREA TO MATCH EXISTING STRIPING.	1 LS
5	REMOVE EXISTING CURB.	105 LF
6	REMOVE AND REPLACE EXISTING CHAIN LINK FENCE.	REMOVAL 150 LF REPLACEMENT 150 LF
7	SAW CUT AND REMOVE EXISTING PAVEMENT TO 24" DEPTH.	106 CY
8	INSTALL CONSTRUCTION JOINT FILLED WITH POLYFLEX OR EQUIVALENT FLEXIBLE WATER FILLER MATERIAL PER GEOTECHNICAL RECOMMENDATIONS.	180 LF
9	INSTALL 4" PERFORATED SUBDRAIN PIPE WITH SOLID 4" SOLID SUBDRAIN OUTLET.	PERFORATED PIPE 85 LF SOLID OUTLET PIPE 115 LF
10	INSTALL INLET STRUCTURE PER DETAIL SHOWN ON SHEET 2 OF 2	24" BROOKS CATCHBASIN WITH 18" CSP CONNECTOR 1 EA 24" CSP CONCRETE COLLAR 2 EA
11	EXCAVATE AND REPLACE WITH RECOMPACTED FILL	EXCAVATION 540 CY REPLACEMENT 540 CY
12	SLOPE PREPARATION.	1,630 SF
13	CAP-OFF SPRINKLER SYSTEM.	1 LS
14	SEE SHEET 2.	



INDEX MAP
NOT TO SCALE

MANAGER ETORCA
 SHEET 1 OF 2
 RYAN PARK
 GRADING & DRAINAGE 2-15-16



SHEET 1 OF 2	COMMUNITY DEVELOPMENT DEPARTMENT	
RANCHO PALOS VERDES		
ROBERT E. RYAN PARK		
TITLE SHEET		
DWIGHT & FRENCH & ASSOCIATES 1470 S. VALLEY VISTA DRIVE SUITE 290 DIAMOND BAR, CA 91765 (909) 860-3566	NO. REVISIONS APPROVED BY: DATE THESE PLANS PREPARED UNDER THE SUPERVISION OF: SMITA A. DHULDHOYA 54070 ENGINEER R.C.E. NO.	DATE: 2/15/1996 DRAWN BY: CVS CHECKED BY: SD APPROVED BY: <i>Smita A. Dhuldhoja</i> 20924 CITY ENGINEER R.C.E. NO. PROJECT NO: 286095 PLAN NO:

286095-1.DWG