

GENERAL GRADING NOTES

1. ALL MATERIALS AND WORKMANSHIP ARE TO BE IN ACCORDANCE WITH PIMA COUNTY/CITY OF TUCSON STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS (PC/COT SSP1), EDITION OF 2003, EXCEPT AS MODIFIED HEREBY.
2. ALL CONSTRUCTION AND TESTING METHODS SHALL BE IN CONFORMANCE WITH PC/COT SSP1, EDITION OF 2003, EXCEPT AS MODIFIED HEREBY.
3. EARTHWORK, EXCEPT AS MODIFIED BY A CONTRACTOR SUPPLIED SOILS REPORT, SHALL CONFORM TO PC/COT SSP1, SECTION 203.
4. A STAMPED SET OF APPROVED PLANS SHALL BE KEPT IN AN EASILY ACCESSIBLE LOCATION ON THE JOB SITE AT ALL TIMES OR DURING CONSTRUCTION.
5. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS.
6. CONTRACTOR SHALL CALL BLUE STAKE (1-800-782-5348) TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
7. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED BY GOVERNMENTAL AGENCIES.
8. IF UNANTICIPATED CONDITIONS ARE ENCOUNTERED DURING THE COURSE OF CONSTRUCTION AND ARE BEYOND THE SCOPE OF THE DESIGN, THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER. THE ENGINEER SHALL SUBMIT THE NECESSARY REVISED OR SUPPLEMENTAL IMPROVEMENT PLANS PRIOR TO SUCH REVISIONS/CHANGES BEING MADE IN THE FIELD.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CARE AND MAINTENANCE OF EXISTING IMPROVEMENTS AND VEGETATION IN THE WORK AREA. PAVEMENT, CURBS, AND ANY OTHER OBSTRUCTIONS DAMAGED DURING CONSTRUCTION ARE TO BE REPLACED BY THE CONTRACTOR. ANY UNDERGROUND STRUCTURES, OR OBSTRUCTIONS NOT SHOWN ON THESE PLANS SHALL BE MOVED, ALTERED, OR REPAIRED BY THE CONTRACTOR WHEN ENCOUNTERED, AS DIRECTED BY THE ENGINEER, AND IS A DEFINITE PART OF THIS PROJECT.
10. THE CONTRACTOR SHALL GIVE FORTY-EIGHT (48) HOURS NOTICE WHEN THEY SHALL REQUIRE THE SERVICES OF THE ENGINEER OR ANY OTHER PERSON PROPERLY AUTHORIZED FOR SUCH PURPOSE FOR LAYING OUT ANY PORTION OF THE WORK. THEY SHALL ALSO DIG ALL STAKE HOLES NECESSARY TO GIVE LINE AND LEVELS AND SHALL PROVIDE ASSISTANCE CALLED FOR BY THE ENGINEER OR THEIR ASSISTANTS UPON ANY PART OF THE WORK WHENEVER SO REQUESTED, AND SHALL PRESERVE ALL STAKES SET FOR THE LINES, LEVELS OR MEASUREMENTS OF THE WORK IN THEIR PROPER PLACES UNTIL AUTHORIZED TO REMOVE THEM BY THE ENGINEER. ANY EXPENSE INCURRED IN REPLACING ANY STAKES WHICH THE CONTRACTOR OR THEIR SUBORDINATES MAY HAVE FAILED TO PRESERVE SHALL BE CHARGED TO THE CONTRACTOR.
11. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAUL AND APPLY ALL WATER REQUIRED FOR COMPACTION AND FOR THE CONTROL OF DUST FROM CONSTRUCTION ACTIVITY. THE COST THEREOF IS TO BE INCLUDED IN THE GRADING CONSTRUCTION PRICE. THE TOWN SHALL FURNISH A WATER SUPPLY POINT AND WATER UTILITY FEES.
12. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FULLY COMPLY WITH ADEQ STORMWATER DISCHARGE PERMIT IN ACCORDANCE WITH THE REPORT AND POLLUTION PLANS PREPARED BY THE ENGINEER. THE COST THEREOF TO BE INCLUDED IN THE GRADING CONSTRUCTION PRICE.
13. THE CONTRACTOR SHALL SUPPLY ALL CONSTRUCTION SURVEY CONTROL AND IS CONSIDERED A PART OF THIS CONTRACT.
14. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND/OR THE SURVEYOR PROVIDING THE CONSTRUCTION LAYOUT TO VERIFY THE BENCHMARK AND COMPARE THE SITE CONDITIONS WITH THE PLANS AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES OBSERVED. SHOULD ANY BENCHMARK, GRADE OR DESIGN INDICATED ON THE PLANS BE SUSPECT, THE ENGINEER SHALL BE NOTIFIED OF SAID BENCHMARK, GRADE OR DESIGN PROBLEM AT LEAST TWENTY-FOUR HOURS BEFORE CONSTRUCTION IS SCHEDULED TO BEGIN ON THE AFFECTED AREA.

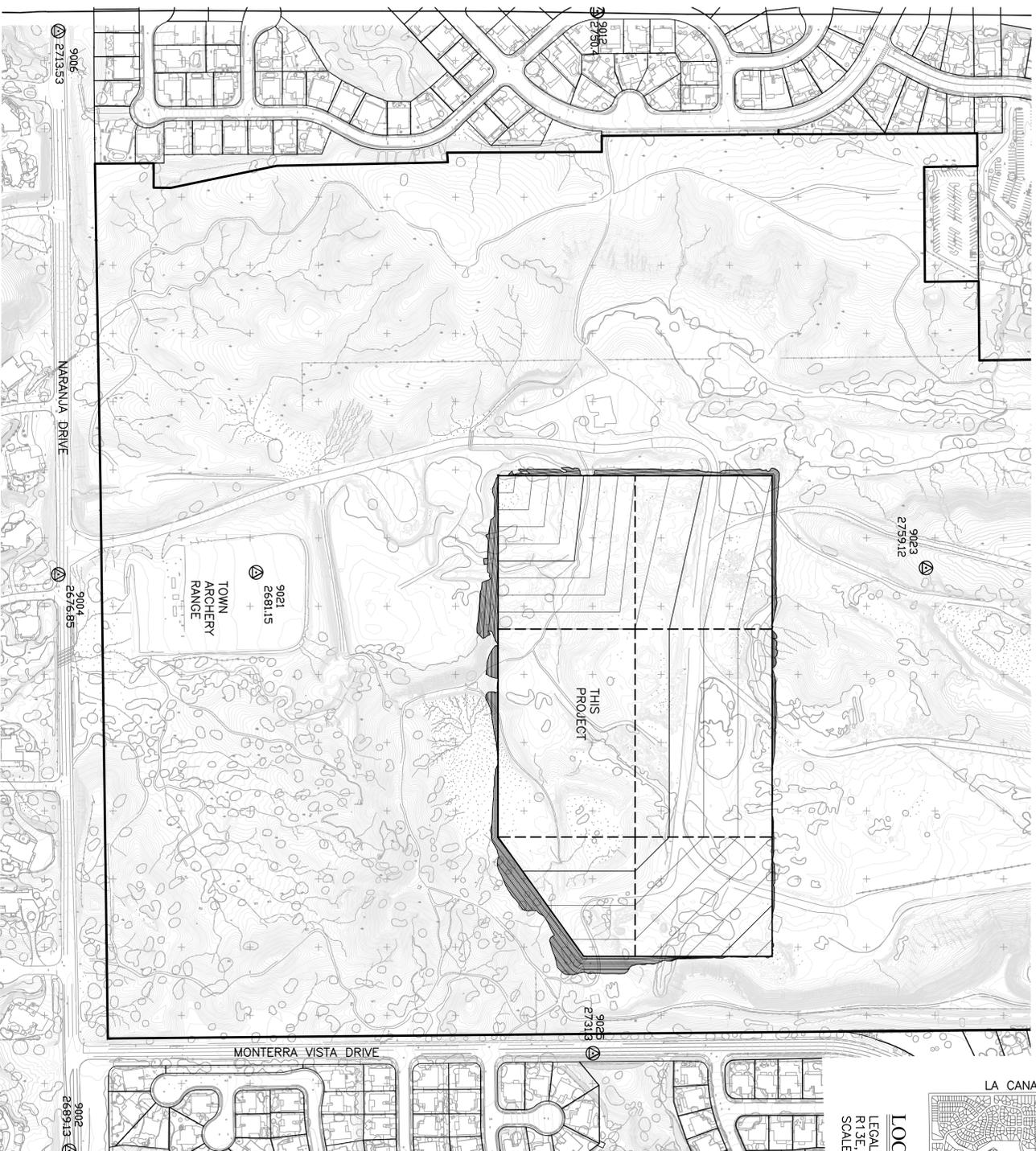
QUANTITIES

1. AREA OF SITE = 11669900sf (INCLUDES FIELD AND GRADED SLOPE AREAS)
2. EARTHWORK QUANTITIES (BASED ON 4" SITE WIDE CLEAR & GRUB):
 - CUT (CLEAR & GRUB) = 14,300 Cu.Yd. (TO BE REMOVED FROM SITE UNLESS OTHERWISE DIRECTED BY THE ENGINEER)
 - CUT = 86,500 Cu.Yd.
 - FILL = 87,300 Cu.Yd. (ANY EXCESS MATERIAL NEEDED SHALL BE SUPPLIED FROM SOURCE ONSITE)
 (THIS INFORMATION IS PROVIDED FOR MAGNITUDE ONLY. CONTRACTOR SHALL QUANTITIES VERIFY AS A PART OF THE BID)

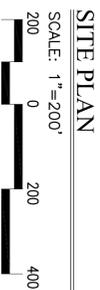
BASIS OF HORIZONTAL AND VERTICAL CONTROL

PANEL NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
9002	14072.318	88797.116	2689.13	PANEL
9004	14040.848	88106.624	2676.85	PANEL
9006	14040.440	88513.221	2713.53	PANEL
9012	15614.118	88454.183	2750.40	PANEL
9021	14617.830	88100.623	2681.15	PANEL
9023	15573.611	88087.632	2759.12	PANEL
9025	15600.956	89511.111	2731.30	PANEL

**NARANJA PARK
PHASE 1A
MASS GRADING PLAN**



LOCATION PLAN
LEGAL DESCRIPTION: SE PORTION OF SECTION 2, T12S, R13E, GSRB&M, ORO VALLEY, ARIZONA
SCALE: 3" = 1mi



		DATE
DESIGNED	PBK	01/14
DRAWN	PBK	01/14
CHECKED		
PROJ. ENGR.		

**NARANJA PARK
PHASE 1A
MASS GRADING PLAN**

NO.	REVISION DESCRIPTION	DIV/SECT.ENGR.	DATE



11000 N. La Canada Dr.
Oro Valley, Az. 85737
520-229-4800



ACCEPTED BY
PK
TOWN ENGINEER
01-10-14
DATE

SCALES

HORZ. 1" = 200'
VERT. NA

SHEET 1 OF 2