

GENERAL NOTES

SPECIAL NOTES:

APPROVAL OF THESE PLANS BY THE CITY ENGINEER OF THE CITY OF NATIONAL CITY DOES NOT CONSTITUTE CERTIFICATION OF THE PROJECT AS A WHOLE, IN TERMS OF COMPLETENESS, ACCURACY, DESIGN, AND CONSTRUCTION STANDARDS. IT IS THE RESPONSIBILITY OF THE ENGINEER-OF-WORK TO EXERCISE CONTROL OVER THE DESIGN OF THE PROJECT, TO SUPERVISE THE CONSTRUCTION OF THE PROJECT, AND TO PROVIDE AS-BUILT CERTIFICATIONS.

1. A PERMIT SHALL BE OBTAINED FROM THE ENGINEERING DEPARTMENT FOR ALL IMPROVEMENT WORK WITHIN THE PUBLIC RIGHT-OF-WAY AND ALL GRADING OPERATIONS ON PRIVATE PROPERTY.
2. APPROVAL OF THESE PLANS BY THE CITY OF NATIONAL CITY DOES NOT AUTHORIZE ANY WORK OR GRADING TO BE PERFORMED UNTIL THE PROPERTY OWNER'S PERMISSION HAS BEEN OBTAINED AND A VALID PERMIT HAS BEEN ISSUED.
3. NOTWITHSTANDING THE MINIMUM STANDARDS SET FORTH IN THE GRADING ORDINANCE AND NOTWITHSTANDING THE APPROVAL OF THESE GRADING PLANS, THE PERMITTEE IS RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO THE ADJACENT PROPERTY. NO PERSON SHALL EXCAVATE ON LAND SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY ADJOINING PUBLIC STREET, SIDEWALK, ALLEY OR ANY OTHER PUBLIC OR PRIVATE PROPERTY WITHOUT SUPPORTING AND PROTECTING SUCH PROPERTY FROM SETTLING, CRACKING, EROSION, SILTING, SCOUR OR THE DAMAGE WHICH MIGHT RESULT FROM THE GRADING DESCRIBED ON THESE PLANS.
4. THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK, NOTICE OF PROPOSED WORK SHALL BE GIVEN TO THE FOLLOWING AGENCIES:
 UNDERGROUND SERVICE ALERT 1-800-422-4133
 SAN DIEGO GAS AND ELECTRIC 699-1069
 AT&T 1-858-688-1904
 COX CABLE COMPANY 263-9251
 SWEETWATER AUTHORITY 422-6395
 NATIONAL CITY ENGINEERING DEPARTMENT 336-4380
 NEXTG 1-626-320-0996

5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL SUBSTRUCTURES WHETHER SHOWN OR NOT AND PROTECT THEM FROM DAMAGE. THE EXPENSE OF REPAIR OR REPLACEMENT OF SAID SUBSTRUCTURES SHALL BE BORN BY THE CONTRACTOR.
6. THE ENGINEER-OF-WORK SHALL BE NOTIFIED WHEN CONSTRUCTION COMMENCES AND ANY CHANGE OR ADDITIONS MADE DURING THE PROGRESS OF CONSTRUCTION. A REPORT CONFIRMING THIS, SIGNED BY THE REGISTERED SOILS ENGINEER, SHALL BE SUBMITTED TO THE CITY'S ENGINEERING DEPARTMENT AT THE COMPLETION OF THE GRADING.
7. ALL PROPERTY CORNERS SHALL BE RESET AFTER THE CONSTRUCTION OF THE IMPROVEMENTS SHOWN HEREON AT THE CONTRACTOR'S EXPENSE.
8. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
9. CONTRACTOR WILL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
10. LOCATION AND ELEVATION OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO CONSTRUCTION OF NEW WORK.
11. BEFORE EXCAVATING FOR THE CONTRACT, VERIFY LOCATION OF UNDERGROUND UTILITIES, THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO OTHER EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS.
12. NEITHER THE OWNER, NOR THE ENGINEER-OF-WORK WILL ENFORCE SAFETY MEASURE OF REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
13. **INSPECTION NOTES:** NO WORK SHALL BE COMMENCED ON THE SITE PRIOR TO A PRE-CONSTRUCTION MEETING WITH THE ENGINEERING DEPARTMENT. CALL THE CITY CONSTRUCTION INSPECTOR AT 336-4380 TO SCHEDULE A MEETING.
14. CHANGE ORDER: THE CHANGE ORDERS SHALL BE REQUESTED IN WRITING USING THE CITY OF NATIONAL CITY STANDARD FORM AND ATTACHED WITH PLANS SHOWING IN RED THE REVISIONS FOR APPROVAL.
15. ALL OPERATIONS CONDUCTED ON THE PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE, OR RUNNING OF TRUCK EARTHMOVING EQUIPMENT, CONSTRUCTION EQUIPMENT, AND ANY OTHER ASSOCIATED EQUIPMENT SHALL BE LIMITED TO THE PERIOD BETWEEN 7:00 A.M. AND 5:00 P.M. EACH DAY, MONDAY THROUGH FRIDAY. PRIOR APPROVAL OF THE CITY ENGINEER WILL BE REQUIRED FOR WORK BEFORE 7:00 A.M. AND AFTER 5:00 P.M.
16. FOR SUBDIVISION PROJECTS WHERE NEW STREETS NEED TO BE CONSTRUCTED, THE ASPHALT CONCRETE PAVEMENT SHALL BE INSTALLED IN A MINIMUM OF TWO LIFTS. THE FINAL LIFT SHALL BE AT LEAST 1 INCH THICK AND SHALL BE PAVED AFTER COMPLETION OF THE BUILDING STRUCTURES. THE FINISHED STREET SURFACE SHALL BE TREATED WITH FOG SEAL.
17. STRUCTURAL SECTIONS OF THE STREET IMPROVEMENT SHALL BE IN ACCORDANCE WITH AN APPROVED SOILS REPORT, BUT NOT LESS THAN THE MINIMUM REQUIREMENTS PER NATIONAL CITY STANDARD DRAWING NO. 113-S-B.

GRADING NOTES

SPECIAL NOTES:

DUMPING AND STOCKPILING IS PROHIBITED IN NATIONAL CITY. ALL MATERIAL EXCAVATED AND REMOVED FROM THE SITE SHALL BE DISPOSED OF AT A SITE PREAPPROVED BY THE CITY ENGINEER. NO EXCEPTIONS. ALL VIOLATORS WILL BE CITED WITH NOTICES OF VIOLATIONS AND/OR LEGAL ACTION.

1. ALL GRADING, TESTING AND OBSERVATION SHALL BE DONE IN ACCORDANCE WITH THE SOILS REPORT, PREPARED FOR THIS DEVELOPMENT AND APPENDIX "J" AND THE MOST RECENTLY ADOPTED VERSION OF BUILDING CODE AND CHAPTER 15.70 OF THE NATIONAL CITY MUNICIPAL CODE.
2. THE STANDARD TEST USED TO DEFINE THE MAXIMUM DENSITY OF ALL COMPACTION WORK SHALL BE PER SOILS REPORT. ALL DENSITIES SHALL BE EXPRESSED AS A RELATIVE COMPACTION IN THE FOREGOING STANDARD PROCEDURE.
3. **CLEARING, GRUBBING, AND PREPARING AREAS TO BE FILLED**
 - 3.1 ANY TREES NOT UTILIZED IN LANDSCAPING, ABANDONED STRUCTURES, WEEDS, AND ANY OTHER RUBBISH SHALL BE REMOVED, FILLED OR OTHERWISE DISPOSED OF SO AS TO LEAVE THE AREAS THAT HAVE BEEN DISTURBED WITH A NEAT AND FINISHED APPEARANCE, FREE FROM UNSIGHTLY DEBRIS.
 - 3.2 ALL VEGETABLE MATTER AND SOIL DESIGNATED AS UNSUITABLE BY THE SOILS ENGINEER SHALL BE REMOVED UNDER THE DIRECTION OF THE SOILS ENGINEER. THE EXPOSED SURFACE SHALL THEN BE PLOWED OR SCARPED TO A DEPTH OF AT LEAST EIGHT INCHES, UNTIL THE SURFACE IS FREE FROM RUTS, HUMMOCKS, OR THE UNEVEN FEATURES WHICH WOULD TEND TO PREVENT UNIFORM COMPACTION BY THE EQUIPMENT TO BE USED.
 - 3.3 WHERE FILL IS TO BE PLACED, CARE SHOULD BE TAKEN THAT ANY EXISTING UNCOMPACTED SOILS BE REMOVED AND THAT NATURAL GROUND SHALL BE SCARPED AT LEAST 6 INCHES AND COMPACTED AT LEAST 90% OF MAXIMUM DENSITY. FILL SOILS SHOULD BE COMPACTED AT LEAST 90% PAVEMENT BASE COURSE MATERIAL SHOULD BE COMPACTED AT LEAST 95%.
4. **MATERIALS**
 - 4.1 THE MATERIALS FOR THE FILL SHALL BE APPROVED BY THE SOILS ENGINEER BEFORE COMMENCEMENT OF GRADING OPERATIONS, OR THEIR IMPORT.
5. **PLACING, SPREADING AND COMPACTION OF FILL MATERIAL**
 - 5.1 THE SELECTED FILL MATERIAL SHALL BE PLACED IN LAYERS WHICH WHEN COMPACTED SHALL ALLOW ADEQUATE BONDING AND COMPACTION.
 - 5.2 WHEN MOISTURE CONTENT OF THE FILL MATERIAL IS BELOW THAT SPECIFIED BY THE SOILS ENGINEER, WATER SHALL BE ADDED UNTIL THE MOISTURE

GRADING NOTES (cont'd)

CONTENT IS AS SPECIFIED TO ASSURE THOROUGH BONDING DURING THE COMPACTION PROCESS. WHEN THE MOISTURE CONTENT OF THE FILL MATERIAL IS ABOVE THAT SPECIFIED BY THE SOILS ENGINEER, THE FILL MATERIAL SHALL BE AERATED BY BLADING OR OTHER SATISFACTION METHODS UNTIL THE MOISTURE CONTENT IS AS SPECIFIED.

- 5.3 AFTER EACH LAYER HAS BEEN PLACED, MIXED, AND SPREAD EVENLY, IT SHALL BE THOROUGHLY COMPACTED TO A RELATIVE COMPACTION OF NOT LESS THAN 90%.
- 5.4 FIELD DENSITY TEST SHALL BE MADE BY THE SOILS ENGINEER, WHERE SHEEPSFOOT ROLLERS ARE USED, THE SOIL MAY BE DISTURBED TO A DEPTH OF SEVERAL INCHES. DENSITY TEST SHALL BE TAKEN IN COMPACTED MATERIAL BELOW THE DISTURBED SURFACE. WHEN THESE TEST INDICATE THAT THE DENSITY OF ANY LAYER OF FILL OR PORTION THEREOF IS BELOW THE REQUIRED 90% DENSITY, THE PARTICULAR LAYER OR PORTION SHALL BE REWORK UNTIL THE REQUIRED DENSITY HAS BEEN OBTAINED.
- 5.5 EXPANSIVE SOIL ENCOUNTERED IN CUT AREAS SHALL NOT BE PLACED WITHIN THE UPPER 2 FEET OF ANY FILLS. THE POTENTIAL EXPANSIVE SOILS MAYBE SPREAD THROUGHOUT THE LOWER PORTIONS OF THE FILLS.
6. **DISPOSAL OF OVERSIZE ROCKS**
 - 6.1 OVERSIZE ROCK SHALL BE EXPORTED FROM THE SITE, USED FOR LANDSCAPING PURPOSES, OR PLACED IN DESIGNATED NON-STRUCTURAL FILL AREAS.
7. **ENGINEERING OBSERVATION**
 - 7.1 FIELD OBSERVATION BY SOILS ENGINEER SHALL BE MADE DURING THE FILL AND COMPACTION OPERATION SO THAT HE CAN EXPRESS HIS OPINION REGARDING THE CONFORMANCE OF THE ACCEPTED SPECIFICATIONS.
8. **SEASONAL LIMITS**
 - 8.1 NO FILL SHALL BE PLACED, SPREAD, OR ROLLED WHILE IT IS IN AN UNSUITABLE HIGH MOISTURE CONTENT, NOR DURING UNFAVORABLE WEATHER CONDITIONS. WHEN THE WORK IS INTERRUPTED BY HEAVY RAIN, OPERATIONS SHALL NOT BE RESUMED UNTIL FIELD TEST BY THE SOILS ENGINEER INDICATE THAT THE MOISTURE CONTENT AND DENSITY OF FILL ARE AS PREVIOUSLY SPECIFIED.

9. **GRADING TOLERANCE**
 - 9.1 THE ACCEPTABLE ACCURACY FOR VERTICAL AND HORIZONTAL COMPLIANCE WITH THE DESIGN ON THIS PLAN SHALL BE ACCORDING TO THE STANDARDS SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
10. THE ASPHALTIC CONCRETE PAVEMENT SECTION IS TO BE DESIGNED BY THE SOILS ENGINEER. AFTER ROUGH GRADE IN THE PARKING AREA AND DRIVE AREA IS ACHIEVED, THE SOILS ENGINEER WILL SAMPLE THE SUBGRADE SOILS MATERIAL AND DESIGN THE PAVEMENT SECTION ACCORDINGLY, BUT SUCH DESIGN SHALL MEET THE MINIMUM CITY STANDARDS.
 BY: _____ DATED: _____

11. **RECORD DRAWING (AS-BUILT)**
 NOTE TO CONTRACTOR: UPON COMPLETION OF WORK, CONTRACTOR SHALL DELIVER TO THE CITY, AN UP-TO-DATE SET OF (AS-BUILT) RECORD DRAWINGS PREPARED BY THE ENGINEER-OF-WORK. SUCH DRAWINGS SHALL BE BLUEPRINT COPIES OF THE PLANS SHOWING IN RED INK AND IN DETAIL ALL CONSTRUCTION CHANGES, ESPECIALLY DEPTHS OF CONDUIT. UTILITIES SHALL BE DIMENSIONED FROM THE CLOSEST PERMANENT STRUCTURE. ENGINEER OF WORK SHALL MAKE CHANGES TO THE ORIGINAL MYLARS ON FILE WITH THE CITY ENGINEER'S OFFICE. ENGINEER OF WORK SHALL ALSO PROVIDE SAID AS-BUILT ON DIGITAL FORMAT (PDF FILE).

12. **OWNERS**

13. **CONTRACTOR**

14. **LEGAL DESCRIPTION**

15. **ASSESSORS PARCEL NUMBER**

16. **BENCHMARK**

17. **SOILS REPORT**
 BY: _____
 NO: _____
 DATE: _____

THESE PLANS HAVE BEEN REVIEW BY THE UNDERSIGNED AND FOUND TO BE IN CONFORMANCE WITH THE RECOMMENDATIONS AND SPECIFICATIONS OUTLINED IN THE SOILS REPORT PREPARED FOR THIS DEVELOPMENT.
 BY: _____ DATED: _____

- 17.A AFTER COMPLETION OF GRADING, THE FOLLOWING STATEMENT SHALL BE EXECUTED BY THE ENGINEER-OF-WORK: "I HEREBY CERTIFY THAT THE GRADING HAS BEEN DONE ACCORDING TO THE SOILS REPORT LISTED IN ITEM 17".
 BY: _____
 DATE: _____

SEAL: _____

18. AFTER THE COMPLETION OF THE PROJECT, THE FOLLOWING STATEMENT SHALL BE EXECUTED BY THE ENGINEER-OF-WORK:
 "I HEREBY CERTIFY, IN ACCORDANCE WITH THE SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, THAT ALL OF THE WORK SHOWN ON DRAWINGS THROUGH _____ MARKED "AS-BUILT" HAS BEEN CONSTRUCTED IN CONFORMANCE WITH LINES AND GRADES, AND DETAILS AND SPECIFICATIONS, AS SHOWN ON SAID PLANS AND REFERRED DRAWINGS.
 BY: _____
 DATE: _____

SEAL: _____

19. **EARTHWORK QUANTITIES**
 CUT: _____ CU. YD(S) IMPORT: _____ CU. YD(S)
 FILL: _____ CU. YD(S) EXPORT: _____ CU. YD(S)

20. **REFERENCE DRAWINGS**

21. **STANDARD DRAWINGS AND SPECIFICATIONS**
 SAN DIEGO REGIONAL STANDARD DRAWINGS (LATEST EDITION) AND CITY OF NATIONAL CITY STANDARD DRAWINGS, AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION, TOGETHER WITH THE LATEST REGIONAL SUPPLEMENTAL AMENDMENTS.


22. **PLACE THIS IN COVER SHEET**
 IMPORTANT NOTICE
 SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER CALL TOLL FREE 1-800-422-4233 TWO WORKING DAYS BEFORE YOU DIG

23. **DECLARATION OF RESPONSIBLE CHARGE**
 I HEREBY DECLARE THAT I AM THE ENGINEER-OF-WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONAL CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF NATIONAL CITY IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER-OF-WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.
 BY: _____
 DATE: _____

SEAL: _____

SURVEYOR:	BENCHMARK:	HORIZONTAL CONTROL:	CONSTRUCTION RECORDS	DATE STARTED:	INSPECTOR:	DATE COMPLETED:	BY APPROVED DATE	REVISIONS	BY APPROVED DATE	BY APPROVED DATE	BY APPROVED DATE	ENGINEERING DEPARTMENT AS-BUILT



CITY OF NATIONAL CITY

PLANS FOR THE IMPROVEMENTS OF:
XXXXXXX XXXXX XXXXXX

APPROVED FOR PERMITTING PURPOSES ONLY:

 CITY ENGINEER

 DATE

PROJECT NO. _____ NAD _____

SHEET **X** OF **X** SHEETS **XXXXXX D**