

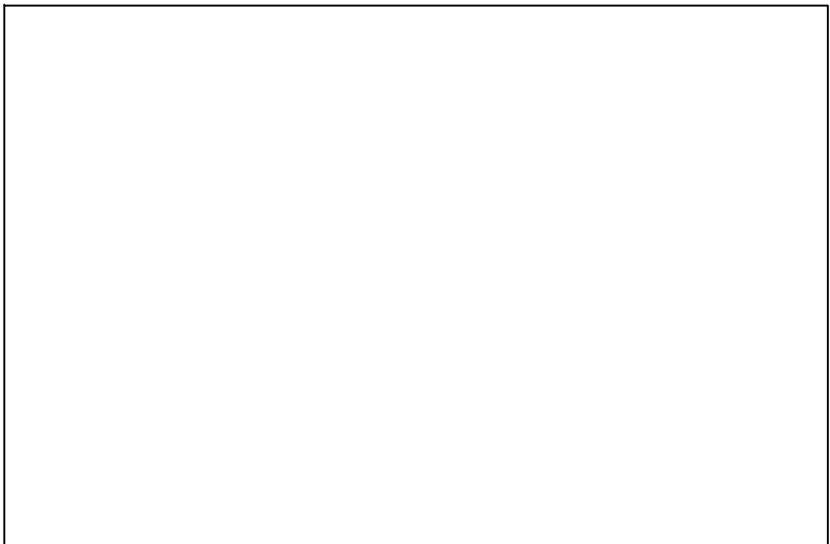
PRECISE GRADING PLAN FOR
NORTH RIVER ROAD
STREET REPAIR AT SLEEPING INDIAN ROAD

NOTE:
PRIVATE WATER, SEWER AND FIRE SYSTEM(S) SHOWN ON THESE ARE FOR REFERENCE ONLY. THE BUILDER/ENGINEER/DEVELOPER IS RESPONSIBLE TO SUBMIT A SEPARATE SET OF PLANS TO THE BUILDING AND/OR FIRE DEPARTMENT FOR PLAN CHECK AND APPROVAL.

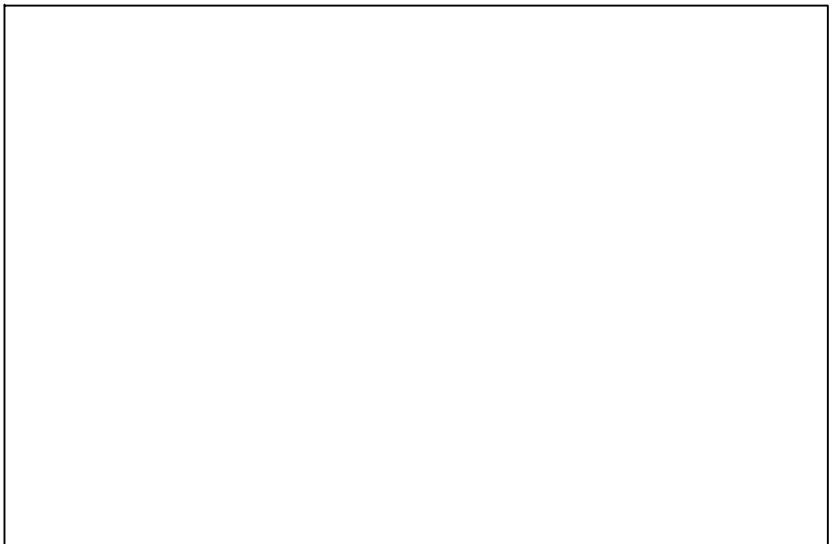
WORK TO BE DONE

GRADING PLAN DESIGN NOTES

1. ALL GRADING AND DRAINAGE IMPROVEMENTS SHALL BE COMPLETED IN ACCORDANCE WITH THE CITY'S CURRENT GRADING ORDINANCE, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION WITH SUPPLEMENTS (A.P.W.A. SPECIFICATIONS) AND THE "SAN DIEGO AREA REGIONAL STANDARD DRAWINGS", AS AMENDED BY THE CITY SUPPLEMENTS, AND THE EARTHWORK SPECIFICATIONS ATTACHED TO THE "PRELIMINARY SOILS REPORTS".
2. THE DEVELOPER SHALL BE RESPONSIBLE FOR LANDSCAPING, FOR SLOPE STABILIZATION OF ALL EMBANKMENTS OVER 3 FEET IN HEIGHT, WITHIN 45 DAYS OF COMPLETION OF PRELIMINARY GRADING. PERMANENT IRRIGATION SYSTEMS SHALL BE INSTALLED FOR ALL EMBANKMENTS OVER 5 FEET IN HEIGHT (AND FOR ALL SLOPES ALONG MAJOR STREETS). LANDSCAPING SPECIFICATIONS, AND PLANS AS REQUIRED, SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO ISSUANCE OF THE GRADING PERMIT. THE DEVELOPER SHALL BE RESPONSIBLE FOR MAINTENANCE OF SLOPE STABILIZATION LANDSCAPING UNTIL RELEASE OF THE GRADING BOND OR UNTIL INDIVIDUAL LOTS (OR LIVING UNITS) CLOSE ESCROW, WHICHEVER OCCURS LATER.
3. ALL GRADING SHALL BE DONE UNDER THE OBSERVATION OF A QUALIFIED SOILS ENGINEER.
4. CUT AND FILL SLOPES SHALL BE TRIMMED TO THE FINISH GRADE TO PRODUCE A SMOOTH AND UNIFORM SURFACE OF CROSS-SECTION. THE SLOPES OF EXCAVATIONS OR EMBANKMENTS SHALL BE SHAPED AND TRIMMED AS DIRECTED BY THE ENGINEER OF WORK AND AS APPROVED BY THE CITY ENGINEER. FINISH SLOPES SHALL BE LEFT IN A NEAT AND ORDERLY CONDITION. ALL STONES, ROOTS OR OTHER WASTE MATERIAL SHALL BE PROPERLY DISPOSED OFF SITE.
5. COMPACTION TESTS SHALL BE SUPPLIED FOR TRENCHES.
6. ALL EXISTING ABANDONED PIPELINES SHALL BE REMOVED AND REPLACED WITH PROPERLY COMPACTED SOILS UNLESS SPECIFICALLY APPROVED BY THE CITY ENGINEER.
7. THE CONTRACTOR SHALL TAKE PROCAUTIONARY MEASURES TO PROTECT EXISTING UTILITIES.
8. NEITHER THE OWNER NOR THE ENGINEER OF WORK WILL ENFORCE SAFETY MEASURES OR 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.
9. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF WORK AND PUBLIC WORKS INSPECTOR PRIOR TO PERFORMING ROCK-REMOVAL OPERATIONS.
10. APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK OR GRADING TO BE PERFORMED UNTIL A VALID GRADING PERMIT HAS BEEN ISSUED, AND ALL AFFECTED PROPERTY OWNER'S PERMISSION HAS BEEN OBTAINED.
11. THESE PLANS ARE SUBJECT TO A SIGNED AND APPROVED SET OF IMPROVEMENT PLANS.
12. AN ENCROACHMENT PERMIT FROM THE CITY ENGINEER SHALL BE REQUIRED BY THE CONTRACTOR FOR ANY WORK WITHIN THE EXISTING CITY RIGHT OF WAY.
13. ALL ROCK-SLOPE PROTECTION SHALL BE RIP RAP UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
14. ALL LOT PADS SHALL BE DESIGNED TO DRAIN TO AN ACCEPTABLE LOCATION AT A MINIMUM GRADIENT OF 1%.
15. ALL MASONRY RETAINING WALLS, EXEPT THOSE LESS THAN THREE FEET HIGH AND NOT SUPPORTING SURCHARGE, REQUIRE A BUILDING DEPARTMENT PERMIT. ALL SEGMENTAL RETAINING WALL SYSTEMS, EXCEPT THOSE LESS THAN THREE FEET HIGH AND NOT SUPPORTING SURCHARGE, REQUIRE PERMIT FROM PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION.
16. MAXIMUM SLOPE RATIO SHALL BE 2:1.
17. A 12-INCH HIGH BY 4-FOOT WIDE BERM (90% COMPACTED) SHALL BE CONSTRUCTED ALONG THE TOP OF THE SLOPE. NO RUNOFF SHALL FLOW OVER THE TOP OF THE SLOPE. DOWNDRAINS SHALL BE USED PER D-75.
18. FOR THIS PLAN TO BECOME EFFECTIVE, AN APPROVED HAUL ROUTE PLAN THAT HAS BEEN APPROVED BY THE CITY SHALL BE INCLUDED (FOR HAULING OF MATERIAL ON A PUBLIC STREET). HAULING OPERATIONS SHALL BE FROM 8:00 A.M. TO 3:00 P.M. UNLESS OTHERWISE APPROVED.
19. LOT GRADING IS TO BE IN ACCORDANCE WITH CITY SUPPLEMENT DRAWING M-12 ("TYPICAL LOT GRADING").
20. ALL OPERATIONS CONDUCTED ON THE PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE, OR RUNNING OF TRUCKS, EARTHMOVING EQUIPMENT, CONSTRUCTION EQUIPMENT, AND ANY OTHER ASSOCIATED EQUIPMENT SHALL BE LIMITED TO THE PERIOD BETWEEN 7:00 A.M. AND 6:00 P.M. EACH DAY, MONDAY THROUGH FRIDAY, AND NO EARTHMOVING OR GRADING OPERATIONS SHALL BE CONDUCTED ON THE PREMISES ON SATURDAYS, SUNDAYS OR LEGAL HOLIDAYS, UNLESS WAIVED BY THE PUBLIC WORKS DIRECTOR.
21. ALL DISTURBED AREAS MUST BE REVEGITATED, SUBSTANTIALLY GERMINATED, AND ESTABLISHED WITHIN 45 DAYS OF COMPLETION OF GRADING AND PRIOR TO REQUESTING FINAL INSPECTION.
22. IMPORT MATERIAL SHALL BE OBTAINED FROM, AND WASTE MATERIAL SHALL BE DEPOSITED AT A SITE APPROVED BY THE CITY ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEBRIS OR DAMAGE OCCURRING ALONG THE HAUL ROUTES OR ADJACENT STREETS AS DIRECT RESULT OF THE OPERATION.
23. THE CONTRACTOR/DEVELOPER SHALL BE RESPONSIBLE FOR IMPLEMENTING, ADMINISTERING AND MAINTAINING A CONFINED SPACE ENTRY PROGRAM IN ACCORDANCE WITH SECTIONS 5156, 5157, AND 5158 TITLE 8, CALIFORNIA CODE OF REGULATIONS (CCR).
24. THE CONTRACTOR IS REQUIRED TO OBTAIN A TRAFFIC CONTROL PERMIT FROM THE PUBLIC WORKS DEPARTMENT, ENGINEERING DIVISION IN CONFORMANCE WITH CALTRANS AND THE CITY OF OCEANSIDE REQUIREMENTS. TRAFFIC CONTROL PLAN SHALL BE IN EFFECT AND ENFORCED FROM 8:00 A.M. TO 3:30 P.M. UNLESS OTHERWISE APPROVED.



VICINITY MAP
SCALE:



KEY MAP
SCALE:

SHEET INDEX

GRADING PLAN DESIGN CERTIFICATES

1. ALL GRADING SHALL BE DONE UNDER THE OBSERVATION OF A QUALIFIED SOILS ENGINEER AND ENGINEERING GEOLOGIST AND IN ACCORDANCE WITH THE RECOMMENDATIONS AND SPECIFICATIONS SET FORTH IN THE APPROVED SOILS AND GEOLOGICAL REPORT PREPARED BY:
_____ DATED:_____
2. THESE GRADING PLANS HAVE BEEN REVIEWED BY THE UNDERSIGNED AND ARE FOUND TO BE IN CONFORMANCE WITH THE RECOMMENDATIONS AND SPECIFICATIONS OUTLINED IN THE SOILS AND GEOLOGICAL REPORT PREPARED FOR THIS DEVELOPMENT.

BY:_____ R.C.E. _____ DATE: _____
BY: _____ C.E.G. _____ DATE: _____

PLANS ARE CHECKED AND FOUND TO COMPLY WITH
CITY OF OCEANSIDE REQUIREMENTS:

"DECLARATION OF ENGINEER OF WORK"

I HEREBY DECLARE THAT THE DESIGN OF THE IMPROVEMENTS AS SHOWN ON THESE PLANS COMPLIES WITH PROFESSIONAL ENGINEERING STANDARDS AND PRACTICES. AS THE ENGINEER IN RESPONSIBLE CHARGE OF THE DESIGN OF THESE IMPROVEMENTS, I ASSUME FULL RESPONSIBLE CHARGE FOR SUCH DESIGN. I UNDERSTAND AND ACKNOWLEDGE THAT THE PLAN CHECK OF THESE PLANS BY THE CITY OF OCEANSIDE IS A REVIEW FOR THIS LIMITED PURPOSE OF ENSURING THE PLANS COMPLY WITH CITY PROCEDURES AND OTHER APPLICABLE POLICIES AND ORDINANCES. THE PLAN CHECK IS NOT A DETERMINATION OF THE TECHNICAL ADEQUACY OF THE DESIGN OF THE IMPROVEMENTS. SUCH PLAN CHECK DOES NOT, THEREFORE, RELIEVE ME OF MY RESPONSIBILITY FOR THE DESIGN OF THESE IMPROVEMENTS.

AS ENGINEER OF WORK, I AGREE TO INDEMNIFY AND SAVE THE CITY OF OCEANSIDE, ITS OFFICERS, AGENTS, AND EMPLOYEES HARMLESS FROM ANY AND ALL LIABILITY, CLAIMS, DAMAGES OR INJURIES TO ANY PERSON OR PROPERTY WHICH MIGHT ARISE FROM THE NEGLIGENT ACTS, ERRORS OR OMISSIONS OF THE ENGINEER OF WORK, MY EMPLOYEES, AGENTS OR CONSULTANTS.

ENGINEER _____ LICENSE NO. _____ DATE _____

SOILS ENGINEER CERTIFICATION (AS-BUILT)

WE HEREBY CERTIFY THAT WE HAVE PROVIDED PROFESSIONAL TESTING AND APPROVAL CONCERNING THE PREPARATION OF GROUND TO RECEIVE FILLS, TESTING FOR REQUIRED COMPACTION, STABILITY OF ALL FINISH SLOPES, DESIGN OF BUTTRESS FILLS WHERE REQUIRED, THE ADEQUACY OF THE NATURAL GROUND FOR RECEIVING FILL, THE STABILITY OF CUT SLOPES WITH RESPECT TO GEOLOGICAL MATTERS AND THE NEED FOR SUBDRAINS AND OTHER GROUNDWATER DRAINAGE DEVICES, AND THAT THESE GRADING PLANS ACCURATELY REFLECT ALL CONDITIONS AND CONSTRUCTION RECOMMENDATIONS PREPARED FOR THIS PROJECT AS DATED: _____, _____, _____.

SOILS ENGINEER OF RECORD: _____
NAME _____ SEAL _____

ENGINEERING GEOLOGIST OF RECORD: _____
NAME _____ SEAL _____

CIVIL ENGINEER CERTIFICATION (AS-BUILT)

I HEREBY CERTIFY THAT AS THE ENGINEER IN RESPONSIBLE CHARGE OF WORK FOR THIS PROJECT, I HAVE SUPERVISED THE CONSTRUCTION OF THE ENGINEERING WORK AS SHOWN ON THESE PLANS INCLUDING THE PERIODIC OBSERVATION OF MATERIALS AND COMPLETED WORK TO DETERMINE GENERAL COMPLIANCE WITH PLANS AND SPECIFICATIONS, AND THAT THE COMPLETED CONSTRUCTION IS IN CONFORMANCE WITH THESE PLANS.

I ALSO CERTIFY THAT ALL CHANGES AND/OR ADDITIONS MADE DURING CONSTRUCTION, ALL INFORMATIONS AS REQUIRED BY THE CITY OF OCEANSIDE GRADING ORDINANCE, AND ALL RECOMMENDATIONS FROM THE SOILS ENGINEERING AND ENGINEERING GEOLOGY REPORTS PREPARED FOR THIS PROJECT HAVE BEEN INCORPORATED IN THESE PLANS.

CIVIL ENGINEER OF RECORD: _____
NAME _____ SEAL _____

ENGINEER SEAL, SIGNATURE

APPROVED CHANGES:

CITY BENCHMARK:

GEOTECHNICAL CONSULTANT APPROVAL CITY OF OCEANSIDE PLANS ARE CHECKED AND FOUND TO COMPLY WITH THE CITY OF OCEANSIDE REQUIREMENTS: APPROVED BY _____ DATE _____	NO.	DESCRIPTION	APP'VD	DATE

Description: _____
Location: _____
Record From: _____
Elev: _____ Datum: _____

LEGEND:	STD. DWGS.	SYMBOLS	QUANTITY
---------	------------	---------	----------

EARTHWORK QUANTITIES

CUT QTY.
FILL
REMEDIAL
EXPORT/IMPORT

LEGAL DESCRIPTION:

A.P.N.

OWNER/PERMITEE :

PREPARED BY:

REFERENCED DRAWINGS:

(ADD NOTE WHEN APPLICABLE)
STORM WATER MITIGATION PLAN NOTE

- A. ALL POST- CONSTRUCTION BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE APPROVED STORM WATER MITIGATION PLAN (SWMP).
- B. PROVIDE STENCILING OR LABELING OF ALL STORM DRAINS AND CATCH BASINS WITHIN THE PROJECT AREA WITH PROHIBITIVE LANGUAGE (SUCH AS: "NO DUMPING -- I LIVE DOWNSTREAM") AND/OR GRAPHICAL ICONS TO DISCORAGE ILLIGAL DUMPING, SATISFACTORY TO THE CITY ENGINEER. STENCILING OR LABELING MAY ALSO BE REQUIRED IN SPANISH.

WDID# (FILE #)

SHEET 1	CITY OF OCEANSIDE ENGINEERING DIVISION	2 SHEETS
PRECISE GRADING PLAN NORTH RIVER ROAD STREET REPAIR AT SLEEPING INDIAN ROAD		
APPROVED		
CITY ENGINEER: SCOTT O. SMITH RCE-58655 DATE: _____		
ENGINEER OF WORK RCE	Checked By: _____ Approval Date: _____	PLAN NUMBER