Appendices

Appendix G2 Rough Grading Plan

Appendices

This page intentionally left blank.

- ANY MODIFICATIONS OF OR CHANGES TO APPROVED GRADING PLANS MUST BE APPROVED BY THE BUILDING OFFICIAL.
- NO GRADING SHALL BE STARTED WITHOUT FIRST NOTIFYING THE BUILDING OFFICIAL. A PRE-GRADING MEETING AT THE SITE IS REQUIRED BEFORE THE START OF THE GRADING WITH THE FOLLOWING PEOPLE PRESENT: OWNER, GRADING CONTRACTOR, DESIGN CIVIL ENGINEER, SOILS ENGINEER, GEOLOGIST, COUNTY GRADING INSPECTOR(S) OR THEIR REPRESENTATIVES, AND WHEN REQUIRED THE ARCHEOLOGIST OR OTHER JURISDICTIONAL AGENCIES. PERMITTEE OR HIS AGENT ARE RESPONSIBLE FOR ARRANGING PRE-GRADE MEETING AND MUST NOTIFY THE BUILDING OFFICIAL AT LEAST TWO BUSINESS DAYS PRIOR TO PROPOSED PRE-GRADE
- APPROVAL OF THESE PLANS REFLECT SOLELY THE REVIEW OF PLANS IN ACCORDANCE WITH THE LOS ANGELES COUNTY BUILDING CODE AND DOES NOT REFLECT ANY POSITION BY THE COUNTY OF LOS ANGELES OR THE DEPARTMENT OF PUBLIC WORKS REGARDING THE STATUS OF ANY TITLE ISSUES RELATING TO THE LAND ON WHICH THE IMPROVEMENTS MAY BE CONSTRUCTED. ANY DISPUTES RELATING TO TITLE ARE SOLELY A PRIVATE MATTER NOT INVOLVING THE COUNTY OF LOS ANGELES OR THE DEPARTMENT OF PUBLIC WORKS.
- ALL GRADING AND CONSTRUCTION ACTIVITIES SHALL COMPLY WITH COUNTY OF LOS ANGELES CODE, TITLE 12, SECTION 12.12.030 THAT CONTROLS AND RESTRICTS NOISE FROM THE USE OF CONSTRUCTION AND GRADING EQUIPMENT FROM THE HOURS OF 8:00 PM TO 6:30 AM, AND ON SUNDAYS AND HOLIDAYS. (MORE RESTRICTIVE CONSTRUCTION ACTIVITY TIMES MAY GOVERN, AS REQUIRED BY THE DEPARTMENT OF REGIONAL PLANNING AND SHOULD BE SHOWN ON THE GRADING PLANS WHEN APPLICABLE.)
- CALIFORNIA PUBLIC RESOURCES CODE (SECTION 5097.98) AND HEALTH AND SAFETY CODE (SECTION 7050.5) ADDRESS THE DISCOVERY AND DISPOSITION OF HUMAN REMAINS. IN THE EVENT OF DISCOVERY OR RECOGNITION OF ANY HUMAN REMAINS IN ANY LOCATION OTHER THAN A DEDICATED CEMETERY. THE LAW REQUIRES THAT GRADING IMMEDIATELY STOPS AND NO FURTHER EXCAVATION OR DISTURBANCE OF THE SITE, OR ANY NEARBY AREA WHERE HUMAN REMAINS MAY BE LOCATED, OCCUR UNTIL
- THE FOLLOWING MEASURES HAVE BEEN TAKEN: A. THE COUNTY CORONER HAS BEEN INFORMED AND HAS DETERMINED THAT NO INVESTIGATION OF THE CAUSE OF DEATH
- IS REQUIRED, AND B. IF THE REMAINS ARE OF NATIVE AMERICAN ORIGIN, THE DESCENDANTS FROM THE DECEASED NATIVE AMERICANS HAVE MADE A RECOMMENDATION FOR THE MEANS OF TREATING OR DISPOSING, WITH APPROPRIATE DIGNITY, OF THE HUMAN REMAINS AND ANY ASSOCIATED GRAVE GOODS.
- THE LOCATION AND PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE PERMITTEE.
- ALL EXPORT OF MATERIAL FROM THE SITE MUST GO TO A PERMITTED SITE APPROVED BY THE BUILDING OFFICIAL, OR A LEGAL DUMP SITE. RECEIPTS FOR ACCEPTANCE OF EXCESS MATERIAL BY A DUMPSITE ARE REQUIRED AND MUST BE PROVIDED TO THE BUILDING OFFICIAL UPON REQUEST.
- 9. A COPY OF THE GRADING PERMIT AND APPROVED GRADING PLANS MUST BE IN THE POSSESSION OF A RESPONSIBLE PERSON AND AVAILABLE AT THE SITE AT ALL TIMES.
- 10. SITE BOUNDARIES. EASEMENTS. DRAINAGE DEVICES, AND RESTRICTED USE AREAS SHALL BE LOCATED PER CONSTRUCTION STAKING BY FIELD ENGINEER OR LICENSED SURVEYOR. PRIOR TO GRADING, AS REQUESTED BY THE BUILDING OFFICIAL, ALL PROPERTY LINES, EASEMENTS, AND RESTRICTED USE AREAS SHALL BE STAKED.
- NO GRADING OR CONSTRUCTION SHALL OCCUR WITHIN THE PROTECTED ZONE OF ANY OAK TREE AS REQUIRED PER TITLE CHAPTER 22.56 OF THE COUNTY OF LOS ANGELES ZONING CODE. THE PROTECTED ZONE SHALL MEAN THAT AREA WITHIN THE DRIP LINE OF AN OAK TREE EXTENDING THERE FROM A POINT AT LEAST FIVE FEET OUTSIDE THE DRIP LINE, OR 15 FEET FROM THE TRUNK(S) OF A TREE, WHICHEVER IS GREATER.
- 12. THE STANDARD RETAINING WALL DETAILS SHOWN ON THE GRADING PLANS ARE FOR REFERENCE ONLY. STANDARD RETAINING WALLS ARE NOT CHECKED, PERMITTED, OR INSPECTED PER THE GRADING PERMIT. A SEPARATE RETAINING WALL PERMIT IS REQUIRED FOR ALL STANDARD RETAINING WALLS.
- NOTE: THIS NOTE ONLY APPLIES TO STANDARD RETAINING WALLS. GEOGRID FABRIC AND SEGMENTAL RETAINING WALLS DO NOT REQUIRE A SEPARATE RETAINING WALL PERMIT. DETAILS AND CONSTRUCTION NOTES FOR ALL GEOGRID WALLS MUST BE ON THE GRADING PLAN.
- 13. A PREVENTIVE PROGRAM TO PROTECT THE SLOPES FROM POTENTIAL DAMAGE FROM BURROWING RODENTS IS REQUIRED PER SECTION J101.8 OF THE COUNTY OF LOS ANGELES BUILDING CODE. OWNER IS TO INSPECT SLOPES PERIODICALLY FOR EVIDENCE OF BURROWING RODENTS AND A FIRST EVIDENCE OF THEIR EXISTENCE SHALL EMPLOY AN EXTERMINATOR FOR THEIR REMOVAL.
- 14. WHERE A GRADING PERMIT IS ISSUED AND THE BUILDING OFFICIAL DETERMINES THAT THE GRADING WILL NOT BE COMPLETED PRIOR TO NOVEMBER 1, THE OWNER OF THE SITE ON WHICH THE GRADING IS BEING PERFORMED SHALL, ON OR BEFORE OCTOBER 1, FILE OR CAUSE TO BE FILED WITH THE BUILDING OFFICIAL AN ESCP PER SECTION J110.8.3 OF THE COUNTY OF LOS ANGELES BUILDING CODE.
- TRANSFER OF RESPONSIBILITY: IF THE FIELD ENGINEER, THE SOILS ENGINEER, OR THE ENGINEERING GEOLOGIST OF RECORD IS CHANGED DURING GRADING, THE WORK SHALL BE STOPPED UNTIL THE REPLACEMENT HAS AGREED IN WRITING TO ACCEPT THEIR RESPONSIBILITY WITHIN THE AREA OF TECHNICAL COMPETENCE FOR APPROVAL UPON COMPLETION OF THE WORK. IT SHALL BE THE DUTY OF THE PERMITTEE TO NOTIFY THE BUILDING OFFICIAL IN WRITING OF SUCH CHANGE PRIOR TO THE RECOMMENCEMENT OF SUCH GRADING.

INSPECTION NOTES

Underground Service Alert

Call: TOLL FREE

1-800

TWO WORKING DAYS

BEFORE YOU DIG

227-2600

- 16. THE PERMITTEE, OR HIS AGENT, SHALL NOTIFY THE BUILDING OFFICIAL AT LEAST ONE WORKING DAY IN ADVANCE OF REQUIRED INSPECTIONS AT FOLLOWING STAGES OF THE WORK. (SECTION J105.7 OF THE BUILDING CODE)
 - A. PRE-GRADE BEFORE THE START OF ANY EARTH DISTURBING ACTIVITY OR CONSTRUCTION B. INITIAL WHEN THE SITE HAS BEEN CLEARED OF VEGETATION AND UNAPPROVED FILL HAS BEEN SCARIFIED, BENCHED, OR OTHERWISE PREPARED FOR FILL. FILL SHALL NOT HAVE BEEN PLACED PRIOR TO THIS INSPECTION. NOTE: PRIOR TO ANY CONSTRUCTION ACTIVITIES (INCLUDING GRADING) ALL STORM WATER POLLUTION PREVENTION MEASURES, INCLUDING EROSION CONTROL DEVICES THAT CONTAIN SEDIMENTS, MUST BE INSTALLED. C. ROUGH WHEN APPROXIMATE FINAL ELEVATIONS HAVE BEEN ESTABLISHED; DRAINAGE TERRACES, SWALES AND BERMS INSTALLED AT THE TOP OF THE SLOPE; AND THE STATEMENTS REQUIRED IN THIS SECTION HAVE BEEN RECEIVED. D. FINAL WHEN GRADING HAS BEEN COMPLETED; ALL DRAINAGE DEVICES INSTALLED; SLOPE PLANTING ESTABLISHED; IRRIGATION SYSTEMS INSTALLED; AND THE AS-BUILT PLANS, REQUIRED STATEMENTS, AND REPORTS HAVE BEEN SUBMITTED AND APPROVED.
- 17. IN ADDITION TO THE INSPECTION REQUIRED OF THE BUILDING OFFICIAL FOR REGULAR GRADING, REPORTS AND STATEMENTS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL IN ACCORDANCE WITH SECTION J105 OF THE COUNTY OF LOS ANGELES BUILDING CODE.
- 18. UNLESS OTHERWISE DIRECTED BY THE BUILDING OFFICIAL, THE FIELD ENGINEER FOR ALL ENGINEERED GRADING PROJECTS SHALL PREPARE ROUTINE INSPECTION REPORTS AS REQUIRED UNDER SECTION J105.11 OF THE COUNTY OF LOS ANGELES BUILDING CODE. THESE REPORTS, KNOWS AS "REPORT OF GRADING ACTIVITIES", SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AS FOLLOWS: 1. BI-WEEKLY DURING ALL TIMES WHEN GRADING OF 400 CUBIC YARDS OR MORE PER WEEK IS OCCURRING ON THE SITE; 2. MONTHLY, AT ALL OTHER TIMES; AND

3. AT ANY TIME WHEN REQUESTED IN WRITING BY THE BUILDING OFFICIAL

SUCH "REPORT OF GRADING ACTIVITIES" SHALL CERTIFY TO THE BUILDING OFFICIAL THAT THE FIELD ENGINEER HAS INSPECTED THE GRADING SITE AND RELATED ACTIVITIES AND HAS FOUND THEM IN COMPLIANCE WITH THE APPROVED GRADING PLANS AND SPECIFICATIONS, THE BUILDING CODE, ALL GRADING PERMIT CONDITIONS, AND ALL OTHER APPLICABLE ORDINANCES AND REQUIREMENTS. THIS FORM IS AVAILABLE AT THE FOLLOWING WEBSITE HTTP: //DPW.LACOUNTY.GOV/BSD/DG/DEFAULT.ASPX. "REPORT OF GRADING ACTIVITIES" MAY BE SCANNED AND UPLOADED AT THE WEBSITE OR FAXED TO (626) 430-2295. FAILURE TO PROVIDE REQUIRED INSPECTION REPORTS WILL RESULT IN A "STOP WORK ORDER."

- ALL GRADED SITES MUST HAVE DRAINAGE SWALES, BERMS, AND OTHER DRAINAGE DEVICES INSTALLED PRIOR TO ROUGH GRADING APPROVAL PER SECTION J105.7 OF THE COUNTY OF LOS ANGELES BUILDING CODE.
- 20. THE GRADING CONTRACTOR SHALL SUBMIT THE STATEMENT TO THE GRADING INSPECTOR AS REQUIRED BY SECTION J105.12 OF THE COUNTY OF LOS ANGELES BUILDING CODE AT THE COMPLETION OF ROUGH GRADING.
- 21. FINAL GRADING MUST BE APPROVED BEFORE OCCUPANCY OF BUILDINGS WILL BE ALLOWED PER SECTION J105 OF THE COUNTY OF LOS ANGELES BUILDING CODE.

DRAINAGE NOTES:

22. ROOF DRAINAGE MUST BE DIVERTED FROM GRADED SLOPES.

- 23. PROVISIONS SHALL BE MADE FOR CONTRIBUTORY DRAINAGE AT ALL TIMES.
- 24. ALL CONSTRUCTION AND GRADING WITHIN A STORM DRAIN EASEMENT ARE TO BE DONE PER PRIVATE DRAIN PD NO. N/A OR MISCELLANEOUS TRANSFER DRAIN MTD
- 25. ALL STORM DRAIN WORK IS TO BE DONE UNDER CONTINUOUS INSPECTION BY THE FIELD ENGINEER. STATUS REPORTS REQUIRED UNDER NOTE 18 AND SECTION J105.11 OF THE COUNTY OF LOS ANGELES BUILDING CODE SHALL INCLUDE INSPECTION INFORMATION AND REPORTS ON THE STORM DRAIN INSTALLATION.

ROUGH GRADING PLAN NU-WAY LIVE OAK REMEDIATION 13620 LIVE OAK LANE IRWINDALE, CA COUNTY OF LOS ANGELES

AGENCY NOTES:

- 26. AN ENCROACHMENT PERMIT FROM LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS IS REQUIRED FOR ALL WORK WITHIN OR AFFECTING ROAD RIGHT OF WAY. ALL WORK WITHIN ROAD RIGHT OF WAY SHALL CONFORM TO LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS ENCROACHMENT PERMIT.
- 27. AN ENCROACHMENT PERMIT /CONNECTION PERMIT IS REQUIRED FROM THE COUNTY OF LOS ANGELES FLOOD CONTROL DISTRICT FOR ALL WORK WITHIN THE COUNTY OF LOS ANGELES FLOOD CONTROL DISTRICT RIGHT OF WAY. ALL WORK SHALL CONFORM TO

28. PERMISSION TO OPERATE IN VERY HIGH FIRE HAZARD SEVERITY ZONE MUST BE OBTAINED FROM THE FIRE PREVENTION BUREAU OR

- THE LOCAL FIRE STATION PRIOR TO COMMENCING WORK. 29. ALL WORK WITHIN THE STREAMBED AND AREAS OUTLINED ON GRADING PLANS SHALL CONFORM TO:
- ARMY CORP 404 PERMIT NUMBER: N/A.
- CALIFORNIA FISH & WILDLIFE PERMIT NO.: N/A.
- 30. ALL CONSTRUCTION/DEMOLITION, GRADING, AND STORAGE OF BULK MATERIALS MUST COMPLY WITH THE LOCAL AQMD RULE 403 FOR FUGITIVE DUST. INFORMATION ON RULE 403 IS AVAILABLE AT AQMD'S WEBSITE HTTP: //WWW.AVAQMD.CA.GOV.

GENERAL GEOTECHNICAL NOTES

- 31. ALL WORK MUST BE IN COMPLIANCE WITH THE RECOMMENDATIONS INCLUDED IN THE GEOTECHNICAL CONSULTANTS' REPORT(S) AND THE APPROVED GRADING PLANS AND SPECIFICATIONS.
- 32. GRADING OPERATIONS MUST BE CONDUCTED UNDER FULL TIME OBSERVATION BY THE GEOTECHNICAL CONSULTANTS WITH QUARTERLY INSPECTION REPORTS TO BE PREPARED IN GENERAL ACCORDANCE WITH SECTION 7.0 OF THE IRWINDALE ABOVE WATER FILL GUIDELINES AND SUBMITTED TO THE GEOLOGY AND SOILS SECTION. (900 S. FREMONT, ALHAMBRA, CA 91803 — 3RD FLOOR)
- 33. THE SOIL ENGINEER SHALL PROVIDE SUFFICIENT INSPECTIONS DURING THE PREPARATION OF THE NATURAL GROUND AND THE PLACEMENT AND COMPACTION OF THE FILL TO BE SATISFIED THAT THE WORK IS BEING PERFORMED IN ACCORDANCE WITH THE PLAN AND APPLICABLE CODE REQUIREMENTS.
- 34. ROUGH GRADING MUST BE APPROVED BY A FINAL ENGINEERING GEOLOGY AND SOILS ENGINEERING REPORT. AN AS-BUILT GEOLOGIC MAP MUST BE INCLUDED IN THE FINAL GEOLOGY REPORT. PROVIDE A FINAL REPORT STATEMENT THAT VERIFIES WORK WAS DONE IN ACCORDANCE WITH REPORT RECOMMENDATIONS AND CODE PROVISIONS (SECTION J105.12 OF THE COUNTY OF LOS ANGELES BUILDING CODE). THE FINAL REPORT(S) MUST BE SUBMITTED TO THE GEOTECHNICAL AND MATERIAL ENGINEERING DIVISION FOR REVIEW AND APPROVAL.
- 35. FOUNDATION, WALL AND POOL EXCAVATIONS MUST BE INSPECTED AND APPROVED BY THE CONSULTING GEOLOGIST AND SOIL ENGINEER PRIOR TO THE PLACING OF STEEL OR CONCRETE.
- 36. BUILDING PADS LOCATED IN CUT/FILL TRANSITION AREAS SHALL BE OVER-EXCAVATED A MINIMUM OF THREE (3) FEET BELOW THE PROPOSED BOTTOM OF FOOTING.

SOIL FILL NOTES (SEE SHEETS 5 AND 6 OF 8 FOR NOTES ON REMEDIAL GRADING AND INERT DEBRIS FILL):

37. ALL FILL SHALL BE COMPACTED TO THE FOLLOWING MINIMUM RELATIVE COMPACTION CRITERIA:

- A. 90 PERCENT OF MAXIMUM DRY DENSITY WITHIN 40 FEET BELOW FINISH GRADE. B. 93 PERCENT OF MAXIMUM DRY DENSITY DEEPER THAN 40 FEET BELOW FINISH GRADE, UNLESS A LOWER RELATIVE COMPACTION (NOT LESS THAN 90 PERCENT OF MAXIMUM DRY DENSITY) IS JUSTIFIED BY THE GEOTECHNICAL ENGINEER.
- THE RELATIVE COMPACTION SHALL BE DETERMINED BY A.S.T.M. SOIL COMPACTION TEST D1557-91 WHERE APPLICABLE. WHERE NOT APPLICABLE, A TEST ACCEPTABLE TO THE BUILDING OFFICIAL SHALL BE USED. (SECTION J107.5 OF THE COUNTY OF LOS ANGELES BUILDING CODE)
- C. 95 PERCENT OF MAXIMUM DRY DENSITY IS REQUIRED FOR ALL FIRE LANES UNLESS OTHERWISE APPROVED BY THE FIRE DEPARTMENT.
- 38. FIELD DENSITY SHALL BE DETERMINED BY A METHOD ACCEPTABLE TO THE BUILDING OFFICIAL. (SECTION J107.5 OF THE COUNTY OF LOS ANGELES BUILDING CODE) HOWEVER, NOT LESS THAN 10% OF THE REQUIRED DENSITY TEST, UNIFORMLY DISTRIBUTED, SHALL BE OBTAINED BY THE SAND CONE METHOD.
- 39. SUFFICIENT TESTS OF THE FILL SOILS SHALL BE MADE TO DETERMINE THE RELATIVE COMPACTION OF THE FILL IN ACCORDANCE WITH
- THE FOLLOWING MINIMUM GUIDELINES: A. ONE TEST FOR EACH TWO-FOOT VERTICAL LIFT.
- B. ONE TEST FOR EACH 1,000 CUBIC YARDS OF MATERIAL PLACED.
- C. ONE TEST AT THE LOCATION OF THE FINAL FILL SLOPE FOR EACH BUILDING SITE (LOT) IN EACH FOUR-FOOT VERTICAL LIFT OR POSITION THEREOF
- D. ONE TEST IN THE VICINITY OF EACH BUILDING PAD FOR EACH FOUR-FOOT VERTICAL LIFT OR PORTION THEREOF.
- DETERMINED BY THE SOIL ENGINEER INCLUDING SOIL TYPES, SHEAR STRENGTHS PARAMETERS AND CORRESPONDING UNIT WEIGHTS IN ACCORDANCE WITH THE FOLLOWING GUIDELINES:

40. SUFFICIENT TESTS OF FILL SOILS SHALL BE MADE TO VERIFY THAT THE SOIL PROPERTIES COMPLY WITH THE DESIGN REQUIREMENTS, AS

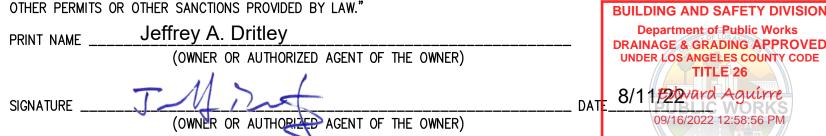
- A. PRIOR AND SUBSEQUENT TO PLACEMENT OF THE FILL, SHEAR TESTS SHALL BE TAKEN ON EACH TYPE OF SOIL OR SOIL MIXTURE TO BE USED FOR ALL FILL SLOPES STEEPER THAN THREE (3) HORIZONTAL TO ONE VERTICAL.
- B. SHEAR TEST RESULTS FOR THE PROPOSED FILL MATERIAL MUST MEET, OR EXCEED, THE DESIGN VALUES USED IN THE GEOTECHNICAL REPORT TO DETERMINE SLOPE STABILITY REQUIREMENTS. OTHERWISE, THE SLOPE MUST BE REEVALUATED USING
- THE ACTUAL SHEET TEST VALUE OF THE FILL MATERIAL THAT IS IN PLACE. C. FILL SOILS SHALL BE FREE OF DELETERIOUS MATERIALS.
- 41. FILL SHALL NOT BE PLACED UNTIL STRIPPING OF VEGETATION, REMOVAL OF UNSUITABLE SOILS, AND INSTALLATION OF SUBDRAIN (IF ANY) HAVE BEEN INSPECTED AND APPROVED BY THE SOIL ENGINEER. THE BUILDING OFFICIAL MAY REQUIRE A "STANDARD TEST METHOD FOR MOISTURE, ASH, ORGANIC MATTER, PEAT, OR OTHER ORGANIC SOILS" ASTM D-2974-87 ON ANY SUSPECT MATERIAL. DETRIMENTAL AMOUNTS OF ORGANIC MATERIAL SHALL NOT BE PERMITTED IN FILLS. SOIL CONTAINING SMALL AMOUNTS OF ROOTS MAY BE ALLOWED PROVIDED THAT THE ROOTS ARE IN A QUANTITY AND DISTRIBUTED IN A MANNER THAT WILL NOT BE DETRIMENTAL TO THE FUTURE USE OF THE SITE AND THE SOILS ENGINEER APPROVES THE USE OF SUCH MATERIAL.
- 42. ROCK OR SIMILAR MATERIAL GREATER THAN 12 INCHES IN DIAMETER, SHALL NOT BE PLACED IN THE FILL UNLESS RECOMMENDATIONS FOR SUCH PLACEMENT HAVE BEEN SUBMITTED BY THE SOIL ENGINEER AND APPROVED IN ADVANCE BY THE BUILDING OFFICIAL. LOCATION, EXTENT, AND ELEVATION OF ROCK DISPOSAL AREAS MUST BE SHOWN ON AS "AS-BUILT" GRADING PLAN.
- 43. CONTINUOUS INSPECTION BY THE SOIL ENGINEER, OR A RESPONSIBLE REPRESENTATIVE, SHALL BE PROVIDED DURING ALL FILL PLACEMENT AND COMPACTION OPERATIONS WHERE FILLS HAVE A DEPTH GREATER THAN 30 FEET OR SLOPE SURFACE STEEPER THAN 2:1, (SECTION J107.8 OF THE COUNTY OF LOS ANGELES BUILDING CODE)
- 44. CONTINUOUS INSPECTION BY THE SOIL ENGINEER, OR A RESPONSIBLE REPRESENTATIVE, SHALL BE PROVIDED DURING ALL SUBDRAIN INSTALLATION. (SECTION J107.2 OF THE COUNTY OF LOS ANGELES BUILDING CODE)
- 45. ALL SUBDRAIN OUTLETS ARE TO BE SURVEYED FOR LINE AND ELEVATION. SUBDRAIN INFORMATION MUST BE SHOWN ON AN "AS-BUILT" GRADING PLAN.
- 46. FILL SLOPES IN EXCESS OF 2:1 STEEPNESS RATIO ARE TO BE CONSTRUCTED BY THE PLACEMENT OF SOIL AT SUFFICIENT DISTANCE BEYOND THE PROPOSED FINISH SLOPE TO ALLOW COMPACTION EQUIPMENT TO BE OPERATED AT THE OUTER LIMITS OF THE FINAL SLOPE SURFACE. THE EXCESS FILL IS TO BE REMOVED PRIOR TO COMPLETION OF ROUGH GRADING. OTHER CONSTRUCTION PROCEDURES MAY BE USED WHEN IT IS DEMONSTRATED TO THE SATISFACTION OF THE BUILDING OFFICIAL THAT THE ANGLE OF SLOPE, CONSTRUCTION METHOD, AND OTHER FACTORS WILL HAVE EQUIVALENT EFFECT. (SECTION J107.5 OF THE COUNTY OF LOS ANGELES BUILDING CODE)

PLANTING AND IRRIGATION NOTES

- 47. PLANTING AND IRRIGATION ON GRADED SLOPES MUST COMPLY WITH THE FOLLOWING MINIMUM GUIDELINES:
- A. THE SURFACE OF ALL CUT SLOPES MORE THAN 5 FEET IN HEIGHT AND FILL SLOPES MORE THAN 3 FEET IN HEIGHT SHALL BE PROTECTED AGAINST DAMAGE BY EROSION BY PLANTING WITH GRASS OR GROUND COVER PLANTS. SLOPES EXCEEDING 15 FEET IN VERTICAL HEIGHT SHALL ALSO BE PLANTED WITH SHRUBS, SPACED AT NOT TO EXCEED 10 FEET ON CENTERS; OR TREES, SPACED AT NOT TO EXCEED 20 FEET ON CENTERS, OR A COMBINATION OF SHRUBS AND TREES AT EQUIVALENT SPACING, IN ADDITION TO THE GRASS OR GROUND COVER PLANTS.THE PLANTS SELECTED AND PLANTING METHODS USED SHALL BE SUITABLE FOR THE SOIL AND CLIMATIC CONDITIONS OF THE SITE. PLANT MATERIAL SHALL BE SELECTED WHICH WILL PRODUCE A COVERAGE OF PERMANENT PLANTING EFFECTIVELY CONTROLLING EROSION. CONSIDERATION SHALL BE GIVEN TO DEEP-ROOTED PLANTING MATERIAL NEEDING LIMITED WATERING, MAINTENANCE, HIGH ROOT TO SHOOT RATIO, WIND SUSCEPTIBILITY AND FIRE-RETARDANT CHARACTERISTICS. ALL PLANT MATERIALS MUST BE APPROVED BY THE BUILDING OFFICIAL. (SECTION J110.3 OF THE COUNTY OF LOS ANGELES BUILDING
- NOTE: PLANTING MAY BE MODIFIED FOR THE SITE IF SPECIFIC RECOMMENDATIONS ARE PROVIDED BY BOTH THE SOILS ENGINEER AND A LANDSCAPE ARCHITECT, SPECIFIC RECOMMENDATIONS MUST CONSIDER SOILS AND CLIMATIC CONDITIONS, IRRIGATION REQUIREMENTS. PLANTING METHODS. FIRE RETARDANT CHARACTERISTICS. WATER EFFICIENCY, MAINTENANCE NEEDS. AND OTHER REGULATORY REQUIREMENTS. RECOMMENDATIONS MUST INCLUDE A FINDING THAT THE ALTERNATIVE PLANTING WILL PROVIDE A PERMANENT AND EFFECTIVE METHOD OF EROSION CONTROL. MODIFICATIONS TO PLANTING MUST BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO INSTALLATION.
- B. SLOPES REQUIRED TO BE PLANTED BY SECTION J110.3 SHALL BE PROVIDED WITH AN APPROVED SYSTEM OF IRRIGATION THAT IS DESIGNED TO COVER ALL PORTIONS OF THE SLOPE. IRRIGATION SYSTEM PLANS SHALL BE SUBMITTED AND APPROVED PRIOR TO INSTALLATION. A FUNCTIONAL TEST OF THE SYSTEM MAY BE REQUIRED. FOR SLOPES LESS THAN 20 FEET IN VERTICAL HEIGHT HOSE BIBS TO PERMIT HAND WATERING WILL BE ACCEPTABLE IF SUCH HOSE BIBS ARE INSTALLED AT CONVENIENTLY ACCESSIBLE LOCATIONS WHERE A HOSE NO LONGER THAN 50 FEET IS NECESSARY FOR IRRIGATION. THE REQUIREMENTS FOR PERMANENT IRRIGATION SYSTEMS MAY BE MODIFIED UPON SPECIFIC RECOMMENDATIONS OF A LANDSCAPE ARCHITECT OR EQUIVALENT AUTHORITY THAT, BECAUSE OF THE TYPE OF PLANTS SELECTED, THE PANTING METHODS USED AND THE SOIL AND CLIMATIC CONDITIONS AT THE SITE, IRRIGATION WILL NOT BE NECESSARY FOR THE MAINTENANCE OF THE SLOPE PLANTING. (SECTION J110.4 OF THE COUNTY OF LOS ANGELES BUILDING CODE)
- C. OTHER GOVERNMENTAL AGENCIES MAY HAVE ADDITIONAL REQUIREMENTS FOR LANDSCAPING AND IRRIGATION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE WITH OTHER AGENCIES TO MEET THEIR REQUIREMENTS WHILE MAINTAINING COMPLIANCE WITH THE COUNTY OF LOS ANGELES BUILDING CODE.
- 48. THE PLANTING AND IRRIGATION SYSTEMS SHALL BE INSTALLED AS SOON AS PRACTICAL AFTER ROUGH GRADING. PRIOR TO FINAL GRADING APPROVAL ALL REQUIRED SLOPE PLANTING MUST BE WELL ESTABLISHED. (SECTION J110.7 OF THE COUNTY OF LOS ANGELES BUILDING CODE)
- 49. LANDSCAPE IRRIGATION SYSTEM SHALL BE DESIGNED AND MAINTAINED TO PREVENT SPRAY ON STRUCTURES. (TITLE 31, SECTION
- 50. PRIOR TO ROUGH GRADE APPROVAL THIS PROJECT REQUIRES A LANDSCAPE PERMIT. LANDSCAPE PLANS IN COMPLIANCE WITH THE "MODEL WATER EFFICIENT LANDSCAPE ORDINANCE" TITLE 23, CHAPTER 2.7 OF CALIFORNIA CODE OF REGULATIONS (AB 1881) MUST BE SUBMITTED TO THE DEPARTMENT OF PUBLIC WORKS, LAND DEVELOPMENT DIVISION. (900 S. FREMONT AVE, ALHAMBRA — 3RD FLOOR, CA 91803 (626) 458-4921) TO OBTAIN LANDSCAPE PERMIT APPROVED PLANS AND WATER PURVEYOR ACKNOWLEDGEMENT FORM MUST BE SUBMITTED TO THE LOCAL BUILDING AND SAFETY OFFICE.

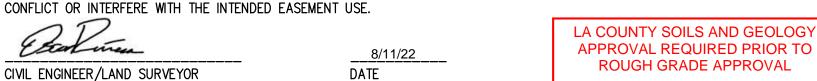
BEST MANAGEMENT PRACTICE (BMP) NOTES

- **INSPECTION FREQUENCIES REQUIRED FOR SITES** ONE ACRE OR GREATER 1. EVERY EFFORT SHOULD BE MADE TO ELIMINATE THE DISCHARGE OF NON STORM WATER FROM THE PROJECT SITE AT TALL TIMES IT.
- 2. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON-SITE AND MAY BE TRANSPORTED FROM THE SITE VIA SHEET A FLOW, IT SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES OR WIND. of a ½" rain event and 3. At least once every to
- 3. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER. ✓ At least Monthly
- 4. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
- 5. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON-SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
- TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
- 7. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
- 8. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
- 9. "I CERTIFY THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ENSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFORMATION SUBMITTED IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT SUBMITTING FALSE AND/OR INACCURATE INFORMATION, FAILING TO UPDATE THE ESCP TO REFLECT CURRENT CONDITIONS, OR FAILING TO PROPERLY AND / OR ADEQUATELY IMPLEMENT THE ESCP MAY RESULT IN REVOCATION OF GRADING AND / OR



PRIVATE/UTILITY EASEMENT NOTE

AS CIVIL ENGINEER/LAND SURVEYOR OF THIS PROJECT, I HAVE IDENTIFIED THE LOCATION OF KNOWN EASEMENTS WHICH ARE DEPICTED ON THESE PLANS. I HAVE REVIEWED THE PROPOSED EASEMENT DOCUMENTS AND VERIFIED THE PROPOSED CONSTRUCTION DOES NOT



ENGINEER'S/SURVEYOR'S STATEMENT REGARDING THE PRESENCE OF MONUMENTS WITHIN PROJECT LIMITS

I HEREBY ATTEST THAT I HAVE LOCATED AND REFERENCED ON THESE PLANS THE MONUMENTS EXISTING PRIOR TO CONSTRUCTION TO ENSURE PERPETUATION OF THEIR LOCATION IN ACCORDANCE WITH SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE. I FURTHER ATTEST THAT I HAVE PERFORMED A RECORD SEARCH AND FIELD INSPECTION TO IDENTIFY EXISTING MONUMENTS; SHALL SET SUFFICIENT CONTROLLING, WITNESS, AND PERMANENT MONUMENTS; AND SHALL FILE THE REQUISITE CORNER RECORD OR RECORD OF SURVEY OF THE REFERENCES WITH THE COUNTY SURVEYOR.



esigned by:

No. 87360

(★\Exp. 09/30/23/★/

OF CAL

G2-1

DAVID EVANS AND ASSOCIATES INC. 17782 17TH STREET, STE. 200 **TUSTIN, CA 92780**

PREPARED, UNDER THE SUPERVISION OF:

Drawn by:

Phone: 714.665.4500 Fax: 714.665.4501 DATE

Checked by:

RRG

8/11/22

CITY OF IRWINDALE **COUNTY OF LOS ANGELES**

No. 2627

EXP. 12-31-2

NU-WAY LIVE OAK REMEDIATION ROUGH GRADING PLAN

SANTA FE DAM RECREATIONAL AREA IRWINDALE SPEEDWA' LOS ANGELES ST VICINITY MAP

GENERAL INFORMATION

GR2206150001 GRADING PERMIT APPLICATION NO.: EARTHWORK VOLUMES:

RAW CUT: 3,700 CY RAW FILL: 86,700 CY OVEREXCAVATION: 8,242,600 CY CY EXPORT LOCATION: 0 CY

0% (PERCENT OF TOTAL PROPOSED LANDSCAPING)

0% (PERCENT OF TOTAL PROPOSED LANDSCAPING)

TOTAL DISTURBED AREA: TOTAL PROPOSED LANDSCAPE AREA: TOTAL TURF AREA: TOTAL DROUGHT TOLERANT LANDSCAPING AREA

POST-DEVELOPMENT IMPERVIOUS AREA WASTE DISCHARGE IDENTIFICATION NUMBER THIS SITE IS ONE ACRE OR GREATER (WDID#) CONSTRUCTION & DEMOLITION DEBRIS RECYCLING

PRE-DEVELOPMENT IMPERVIOUS AREA

0 ACRES 4 19C397954

0 ACRES

63.43 ACRES

0 SF

PROPERTY INFORMATION

AND REUSE PLAN (RPP ID)

PROPERTY ADDRESS: PROPERTY OWNER: ASSESSORS ID NUMBER(S) 13620 LIVE OAK LANE, IRWINDALE, CA KP IRWINDALE OWNER, LLC 8532-002-035, 8532-002-036, 8532-002-042, 8532-002-043

ZONING, REGIONAL PLANNING, AND OTHER AGENCY INFORMATION

PROPERTY ZONING: INTENDED LAND USE: WAREHOUSE/COMMERCIAL

CONSTRUCTION SCHEDULE:

KP IRWINDALE OWNER, LLC CONSTRUCTION BEGIN DATE: SEPT 2022 ATTN: GRAHAM TINGLER 1875 CENTURY PARK EAST, SUITE 380 CONSTRUCTION END DATE: MAR 2024 LOS ANGELES, CA 90067

CIVIL ENGINEER: BASIS OF BEARINGS:

DAVID EVANS & ASSOCIATES 17782 17TH STREET, SUITE 200 TUSTIN, CA 92780 ATTN: OSCAR RIVERA (714) 665–4537

BENCHMARK:

ELV: 431.007 FT

COUNTY OF LOS ANGELES

COVINA (2005) # G-4441

THE BASIS OF BEARINGS OF THIS SURVEY IS BASED ON THE CENTERLINE OF LIVE OAK AVENUE AS SHOWN ON PARCEL MAP NO. 13784 FILED IN BOOK 137, PAGES 53 THROUGH 57 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF THE COUNTY OF LOS ANGELES, BEING HELD AS (714) 665-4501 FAX NORTH 66°45'07" WEST AS SHOWN ON SAID MAP.

SOILS ENGINEER:

HD GEOSOLUTIONS, INC. 9300 OSO AVENUE, UNIT A CHATSWORTH, CA 91311 ATTN: BRIAN SKYERS (818) 357-5845

SCOPE OF WORK:

GEOTECHNICAL ENGINEER

RECOMMENDATIONS

HD GEOSOLUTIONS,

CONFORMANCE WITH GEOTECHNICAL ENGINEERING

THE REMEDIAL GRADING PLAN HAS BEEN REVIEWED FOR

REMEDIAL/ROUGH GRADING PLAN TO PREPARE THE LIVE OAK PIT SITE FOR FUTURE DEVELOPMENT PER SOILS ANALYSIS AND RECOMMENDATIONS BY HD **GEOSOLUTIONS**

RDBM TAG IN TOP CONC WALL @ SW COR BRIDGE OVER 605 FWY 51 FT S/O C/L ARROW HWY

SHEET INDEX

TITLE SHEET & GENERAL NOTES GENERAL NOTES ROUGH GRADING PLAN GRADING SECTIONS REMEDIAL GRADING OVEREXCAVATION REMEDIAL GRADING DETAILS EROSION CONTROL PLAN

8 EROSION CONTROL DETAILS

DATE

DATE: 8/11/22 SHEET

☆/L/IC NO.

0F 8

NOTICE TO CONTRACTOR:

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR 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, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND ANY OTHER LINES OR STRUCTURES NOT SHOWN ON THESE PLANS AND IS RESPONSIBLE FOR THE PROTECTION OF OR ANY DAMAGE TO THESE LINES OR STRUCTURES.

CONTRACTOR'S RESPONSIBILITY

THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THESE DRAWINGS.

THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY THAT THIS REQUIREMENT SHALL APPLY CONTINUOUS AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

NOTES:

A STATEMENT WILL BE SIGNED BY THE OWNER, ACKNOWLEDGING THAT A FIELD ENGINEER, SOILS ENGINEER AND ENGINEERING GEOLOGIST, WHEN APPROPRIATE, WILL BE EMPLOYED TO PERFORM THE SERVICES REQUIRED BY THIS CODE, WHEN THE BUILDING OFFICIAL REQUIRES THAT SUCH PROFESSIONAL PERSONS BE SO EMPLOYED. THESE ACKNOWLEDGMENTS SHALL BE ON A FORM FURNISHED BY THE BUILDING OFFICIAL.

THESE PLANS ARE FOR THE PURPOSE OF OBTAINING A PERMIT TO PERFORM ROUGH GRADING. NO BUILDINGS OR STRUCTURES WILL BE CONSTRUCTED AT THIS TIME. THE FINISHED GROUND SURFACE AND SLOPE WILL BE HYDROSEEDED TO PREVENT EROSION AND DUST

THE EXISTING PERIMETER FENCE SURROUNDING THE SITE IS TO REMAIN IN PLACE DURING AND AFTER THE COMPLETION OF CONSTRUCTION.

ALL DRAINAGE DEVICES MUST BE VISUALLY INSPECTED AND DEBRIS REMOVED QUARTERLY OR PER MANUFACTURER'S STANDARDS.

DRAINAGE BASINS MUST BE VISUALLY INSPECTED AND DEBRIS REMOVED MONTHLY. BASINS MUST BE DRAINED WITHIN 48 HOURS OF A RAIN EVENT

LEGEND OF ABBREVIATIONS AND SYMBOLS

AC ADJ. BLDG BW CONC DWY EG EX FG FL FS NAP PP PROP TC TG TYP WWF	ASPHALT CON ADJACENT BUILDING BACK OF WALL CONCRETE DRIVEWAY EXISTING GRADE FINISH GRADE FLOWLINE FINISH SURFACE NOT A PART POWER POLE PROPOSED TOP OF CURB TOP OF GRATE TYPICAL WELDED WIRE	K DE CE
STREET CEN RIGHT-OF-V PROPERTY L	WAY/	
GRAVEL BAG	GS	
CONSTRUCTION ENTRANCE		
RIP-RAP		
EXIST. CHAI	NLINK FENCE	
	CONTOURS CONTOUR	(100) —100———

Dist. Office 5.06 PCA B335001 EPIC LA Telephone: (626) 458-4925	Geotechnic	Los Angeles County Public Works Geotechnical and Materials Engineering Division GEOLOGIC AND SOILS ENGINEERING REVIEW SHEET 900 S. Fremont Avenue, Alhambra, CA 91803				
Tract / Parcel Map		Lot(s)		Parent Tract		
Site Address	13620 Live Oak	Location	Irwindale	APN <u>8532002035</u>		
Geologist		Developer/Owner	KP Irw	indale Owner, Inc.		
Soils Engineer	HD Geosolutions	Engineer/Arch.	Davis Evans and Associates, Inc.			
Review of: Grading P.C. No.: Submittal Received by	GR2206150001 GMED: 8/15/2022	For: Remedial Grading (8	329,300 Cubic Yar	ds)		
Geologic Report(s) Dat	red:					
Soils Engineering Repo	ort(s) Dated: 8/15/2022 , 5/ Geotechnical	/19/22, Advanced Earth Sc □ (9/23/19)	iences (1/11/21, 2/2	24/20, 8/30/19) Irvine		
Geotechnical Report(s)	Dated:					

Action: Plan is recommended for approval from a geotechnical standpoint, subject to the following conditions.

- 1. All recommendations of the geotechnical consultant(s) must be followed.
- In-grading inspections must be made by the geotechnical consultant(s). Monthly in-grading inspection reports must be submitted directly to the Geology and Soils Engineering Review Section by the consultants.
- Provide quarterly reports for the first three quarters of the year and an annual report that summarizes the first three quarters and the fourth quarter of the year in accordance with Irwindale Above-Water guidelines.
- Perform testing of silt pond materials according to the geotechnical engineer's recommendations. Per the geotechnical engineer, approximately one boring, sampling at 5-foot intervals, will be performed per two acres of silt pond surface. Provide estimates of time of completion of primary settlement after consolidation testing is performed.
- Foundation and wall excavations must be inspected and approved by the consulting geologist and soils engineer prior to the placing of steel or concrete.
- Rough grading must be approved by a final engineering geology and soils engineering report. An As-Built Geologic Map must be included in the final geology report. The final report(s) must be submitted to the Geotechnical and Materials Engineering Division for review and approval.
- In accordance with Section J105.12 of the County of Los Angeles Building Code, final reports on rough grading shall contain a finding regarding the safety of the completed grading and any proposed structures against hazard from future landslides, settlement, or slippage and a finding regarding the effect that the completed grading will have on the geologic stability of property outside of the building site. The geotechnical consultant(s) shall also include a certification that indicates to the best their knowledge, the work within their area of responsibility is in accordance with their report(s) and applicable provisions of the County of Los Angeles Building Code.

NOTE(S) TO THE PLAN CHECKER/BUILDING AND SAFETY ENGINEER:

- A. ONLY THE SOILS RECOMMENDATIONS DEPICTED ON THE PLANS ARE RECOMMENDED FOR APPROVAL. B. PREVIOUS REVIEWS CONDUCTED FOR THIS SITE WERE PART OF A MISCELLANEOUS APPLICATION UNDER 13577 LIVE OAK AVENUE. MISCELLANEOUS APPLICATION REVIEWS WERE NOT CONDUCTED AS PART OF A
- C. A GRADING PLAN REVIEW FOR THE SITE WAS REVIEWED UNDER GRADING PERMIT GR1909190002 AND ADDRESS 401 ROLYN PLACE, THE PLAN WAS NEVER RECOMMENDED FOR APPROVAL.
- D. PER THE SOILS ENGINEER, ALLERITS AND BASINS MUST BE LINED TO PREVENT INFILTRATION.

Geology Section

Date _____9/8/22

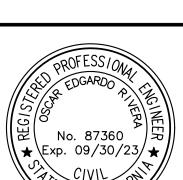
Please complete a Customer Service Survey at http://dpw.lacounty.gov/go/gmedsurvey NOTICE: Public safety, relative to geotechnical subsurface exploration, shall be provided in accordance with current codes for excavations, inclusive of the Los Angeles County Code, Chapter 11.48, and the State of California, Title 8, Construction Safety Orders.

> This plan has been reviewed by the undersigned and is in general conformance with the recommendations contained in our geotechnical report(s) dated 05/09/22 and 08/11/22 We make no representation as to the accuracy of dimensions, measurements, calculations or any portion of the design. 08/11/22

HD GEOSOLUTIONS, INC.

HDGI Project No.: 70986







DAVID EVANS

AND ASSOCIATES INC. 17782 17TH STREET, STE. 200 **TUSTIN, CA 92780** Phone: 714.665.4500 Fax: 714.665.4501

Checked by:

RRG

PREPARED UNDER THE SUPERVISION OF: DATE CITY OF IRWINDALE COUNTY OF LOS ANGELES

DATE: 8/11/22 SHEET

BUILDING AND SAFETY DIVISION **Department of Public Works**

RAINAGE & GRADING APPROVED UNDER LOS ANGELES COUNTY CODE

> TITLE 26 Edward Aguirre

09/16/2022 1:00:42 PM

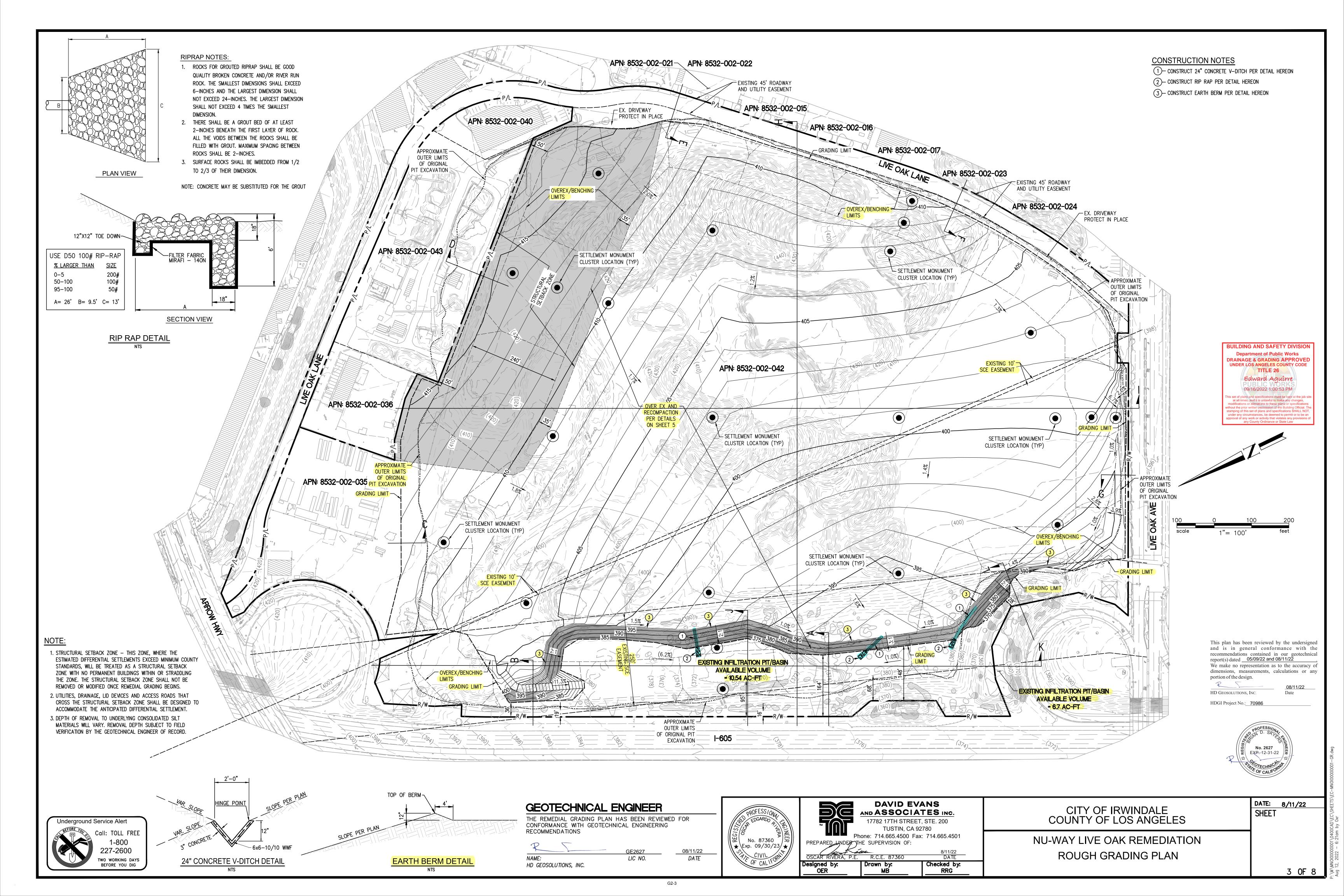
NU-WAY LIVE OAK REMEDIATION

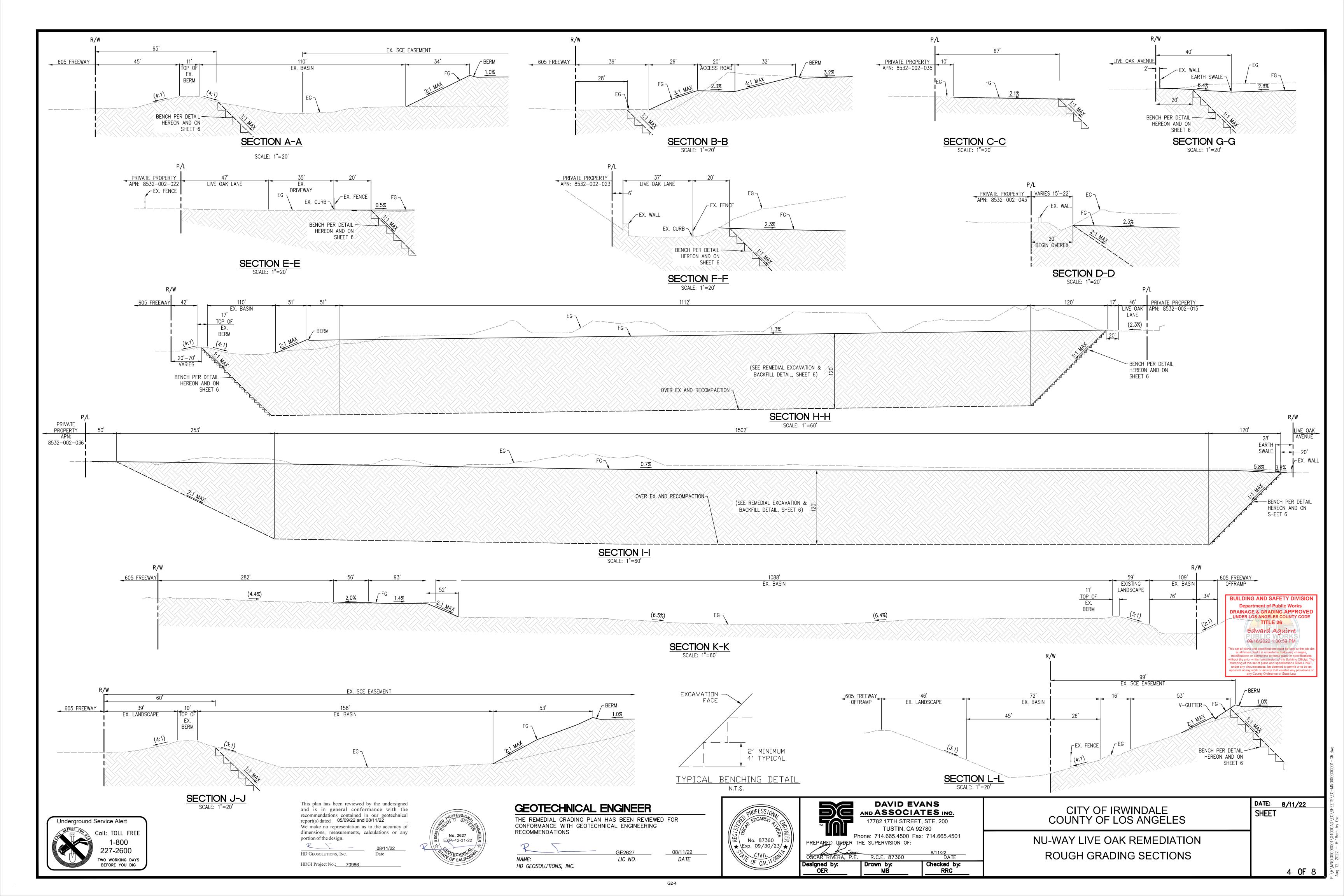
2 OF 8

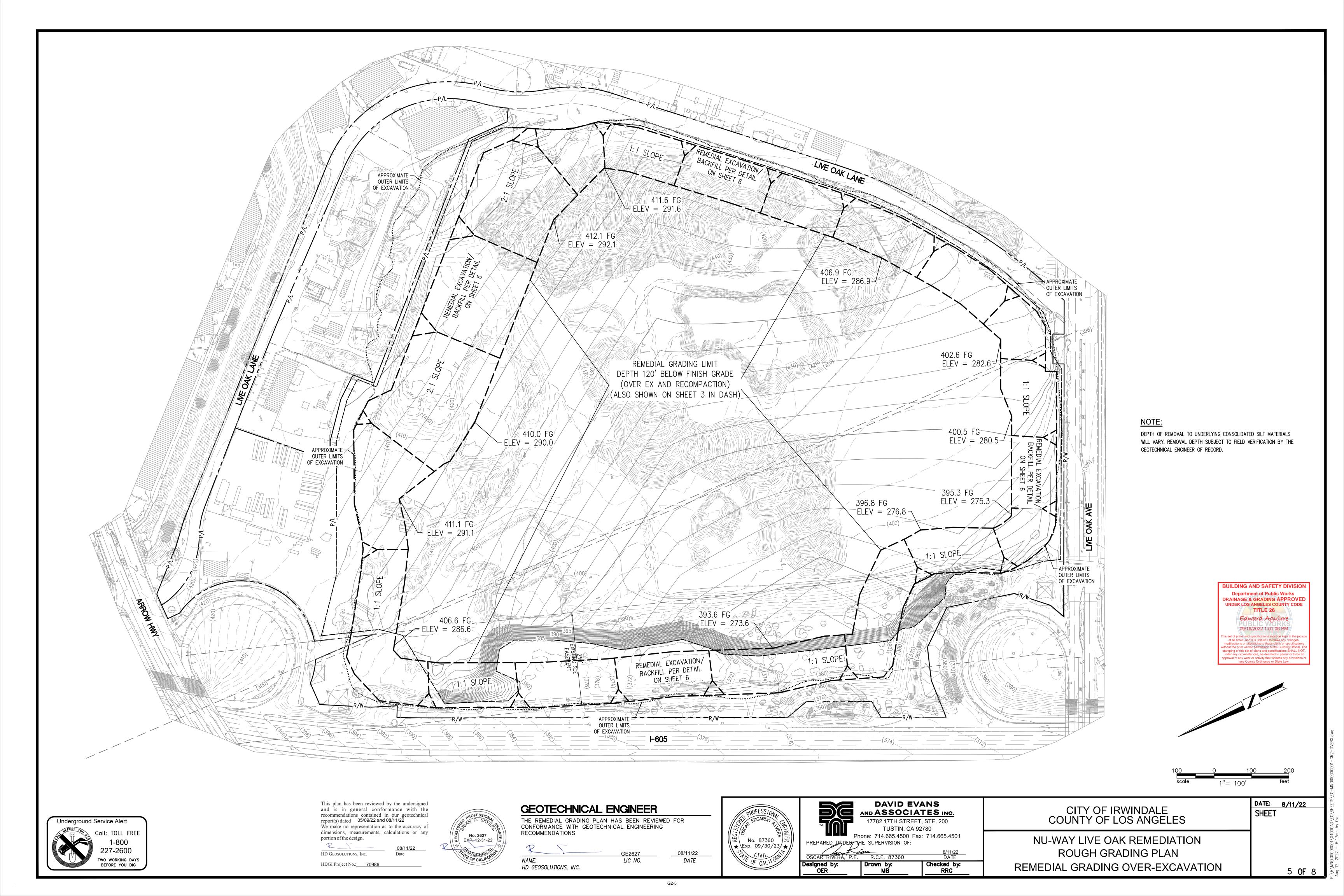
TWO WORKING DAYS BEFORE YOU DIG

PROP STORM DRAIN

SETTLEMENT MONUMENT







NOTES

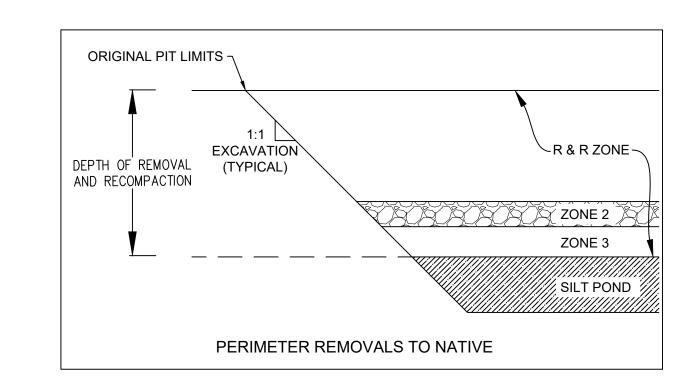
COMPETENT NATIVE SOILS.

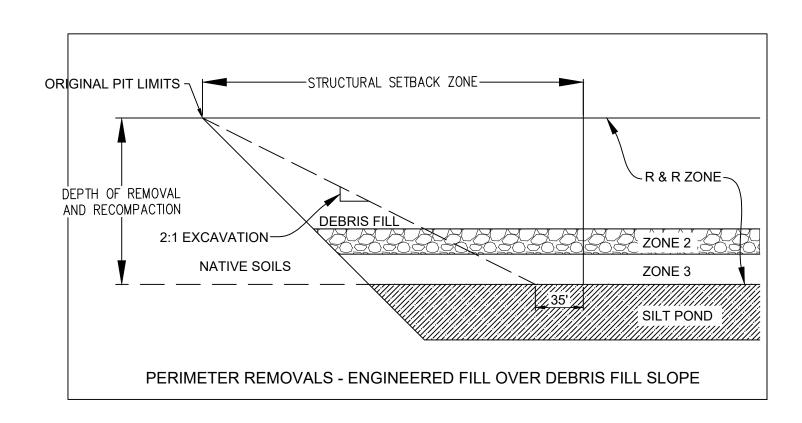
- IN GENERAL, REMEDIAL EXCAVATIONS SHALL COMMENCE IN NATIVE SOILS AT THE TOP OF THE ORIGINAL PIT EXCAVATION WALLS AND PROCEED AT A 1:1 (HORIZONTAL TO VERTICAL) SLOPE TO THE DEPTH OF REMOVAL AND REPLACEMENT (R&R). REMEDIAL EXCAVATIONS ALONG THE WESTERN BOUNDARY (ADJACENT TO THE EDISON EASEMENT) SHALL COMMENCE AT THE EASEMENT LIMITS AND PROCEED AT A 1.5:1 (H:V) SLOPE TO THE DEPTH OF REMOVAL AND REPLACEMENT.
- SIDESLOPES OF THE PIT MAY HAVE BEEN MANTLED WITH VARIABLE THICKNESS OF LOOSE TALUS MATERIALS OR INERT DEBRIS FILL MATERIALS. DURING REMEDIAL EXCAVATION AND PRIOR TO FILL PLACEMENT, ALONG THE NORTHERN, EASTERN AND SOUTHERN PERIMETER SLOPES, THESE MATERIALS SHALL BE REMOVED TO EXPOSE
- THE UPPER 18 INCHES OF THE EXPOSED EXCAVATION BOTTOM SHALL BE SCARIFIED, MOISTURE CONDITIONED AS NECESSARY, AND RECOMPACTED PRIOR TO PLACEMENT OF BLENDED RUBBLE FILL.
- AT THE COMPLETION OF PROOF ROLLING, THE UPPER 18 INCHES OF SUBGRADE SHALL BE TESTED AND COMPACTION VERIFIED BY THE SOILS ENGINEER IN ACCORDANCE WITH THE PROCEDURES AND FREQUENCIES SPECIFIED IN APPENDIX J OF THE CITY OF IRWINDALE BUILDING CODE (APPENDIX J) AND THE ABOVE WATER BACKFILLING GUIDELINES, USING ASTM DENSITY TEST PROCEDURES APPROPRIATE FOR THE GRADATION OF THE FILL MATERIALS.
- THE EXCAVATED DEBRIS FILL FROM THE REMEDIAL GRADING AREAS MAY BE REUSED AS COMPACTED FILL PROVIDED IT MEETS THE DEFINITION OF INERT DEBRIS ENGINEERED FILL AS STATED IN APPENDIX J, TITLE 14 SECTION 17388 OF THE CALIFORNIA CODE OF REGULATIONS AND ABOVE WATER BACKFILLING GUIDELINES, AND IS FREE OF CONTAMINATION, ORGANIC MATERIALS, TRASH AND OVERSIZE MATERIALS LARGER THAN 12 INCHES IN MAXIMUM DIMENSION.
- OVERSIZE (PLUS 12-INCH) FRAGMENTS EXCAVATED MAY BE USED IN THE COMPACTED INERT DEBRIS FILL PROVIDED IT IS CRUSHED TO A MINUS 12-INCH SIZE, OR PROPERLY PLACED ACCORDING TO SECTIONS 6.3 AND 7.6 OF THE IRWINDALE ABOVE WATER BACKFILLING GUIDELINES.
- . ALL COMPACTED FILL SHALL MEET THE MATERIAL AND PLACEMENT REQUIREMENTS SPECIFIED IN APPENDIX J AND THE ABOVE WATER BACKFILLING GUIDELINES.
- ALL FILL MATERIALS SHALL BE PROCESSED TO MEET THE MATERIAL SPECIFICATIONS AND MOISTURE CONTENT PROVIDED IN APPENDIX J AND THE ABOVE WATER BACKFILLING GUIDELINES, PLACED IN HORIZONTAL LIFTS NOT EXCEEDING A THICKNESS OF 8-INCHES OR 1.5 TIMES THE MAXIMUM PARTICLE SIZE (WHICHEVER IS LARGER), AND MECHANICALLY COMPACTED BY MULTIPLE PASSES OF A COMPACTOR IN ORDER TO MEET THE MINIMUM RELATIVE COMPACTION REQUIREMENTS, SPECIFIED IN APPENDIX J AND THE ABOVE WATER BACKFILLING GUIDELINES. FILLS PLACED DEEPER THAN 40 FEET FROM PROPOSED FINAL FINISH GRADES SHALL BE COMPACTED TO A MINIMUM 93 PERCENT RELATIVE COMPACTION. FILLS PLACED WITHIN THE UPPER 40 FEET BELOW FINAL FINISH GRADES SHALL BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 90 PERCENT.
- SUBJECT TO THE JUDGEMENT OF THE GEOTECHNICAL ENGINEER OF RECORD, SOIL FILLS CONTAINING NO MORE THAN 30% PARTICLES (BY WEIGHT) GREATER THAN 34-INCH IN MAXIMUM SIZE SHALL BE COMPACTED TO THE ASTM D1557 STANDARD. INERT DEBRIS FILLS AND BLENDED RUBBLE FILLS CONTAINING MORE THAN 30% OF PARTICLES LARGER THAN 34-INCH SIZE SHALL BE COMPACTED TO THE MAXIMUM ACHIEVABLE DENSITY (MAD) STANDARD AS DEFINED IN THE ABOVE WATER BACKFILLING GUIDELINES.
- THE FILL MATERIALS SHALL BE TESTED BY THE SOILS ENGINEER IN ACCORDANCE WITH THE PROCEDURES AND FREQUENCIES SPECIFIED IN APPENDIX J AND THE ABOVE WATER BACKFILLING GUIDELINES, USING LARGE SIZE RING DENSITY TEST PROCEDURES (ASTM D5030) WHERE APPROPRIATE.
- 1. DURING FILL PLACEMENT AGAINST THE NORTHERN, EASTERN AND SOUTHERN PERIMETER PIT SLOPES, HORIZONTAL BENCHES SHALL BE CUT INTO EXISTING SLOPES TO EXPOSE COMPETENT NATIVE MATERIALS, AS PER THE REQUIREMENTS OF THE LA COUNTY GRADING GUIDELINES. ALONG THE WESTERN PERIMETER, HORIZONTAL BENCHES SHALL BE CUT INTO THE EXPOSED INERT DEBRIS FILL SLOPES, AS PER THE REQUIREMENTS OF THE LA COUNTY GRADING GUIDELINES.
- 12. ASPHALT CONCRETE (AC) DEBRIS MAY NOT BE PLACED BELOW THE HISTORIC HIGH GROUNDWATER ELEVATION OF 320 FEET.
- 13. THE UPPER 15 FEET OF FILL (BELOW PROPOSED FINAL FINISH GRADE) SHALL CONSIST OF FINER GRAINED SOILS THAT MEET THE FOLLOWING REQUIREMENTS:
- a. FREE OF VEGETATION, ORGANIC MATERIALS, DEBRIS AND CONTAMINATION
- b. MAXIMUM PARTICLE SIZE OF 6 INCHES WITH NO MORE THAN 15% LARGER THAN 3 INCHES IN SIZE
- c. MINIMUM FINES CONTENT OF 12%
- d. VERY LOW EXPANSIVE MATERIAL WITH A PLASTICITY INDEX LESS THAN 15%
- 14. IMPORT FILL SOILS SHALL BE EVALUATED AND APPROVED BY THE SOILS ENGINEER PRIOR TO IMPORT TO THE SITE
- 15. A NETWORK OF SETTLEMENT MONUMENTS SHALL BE INSTALLED AND MONITORED DURING AND FOLLOWING THE REMEDIAL GRADING AS PER THE ABOVE WATER BACKFILLING GUIDELINES.
- 16. ALL EARTHWORK ACTIVITIES INCLUDING REMOVALS, OVEREXCAVATION, MATERIALS PROCESSING AND BACKFILL PLACEMENT AND COMPACTION SHALL BE OBSERVED BY THE SOILS ENGINEER. BASED ON EXPOSED SUBSURFACE CONDITIONS ALONG THE SIDESLOPES AND BOTTOM OF THE EXCAVATION, THE QUALITY OF EXCAVATED MATERIALS, AND RESULTS OF LARGE SCALE IN SITU DENSITY TESTS, THE GRADING / EARTHWORK RECOMMENDATIONS MAY BE REVISED, AS APPROPRIATE, BY THE SOILS ENGINEER.
- 17. AS PART OF THE REMEDIAL GRADING, BORINGS SHALL BE PERFORMED WITHIN THE SILT POND DEPOSITS AS THESE MATERIALS ARE EXPOSED. SAMPLING AND TESTING SHALL ADEQUATELY CHARACTERIZE THE DEPOSITS AND THE POTENTIAL SETTLEMENT OF THE DEPOSITS ONCE THE SITE IS REMEDIATED.

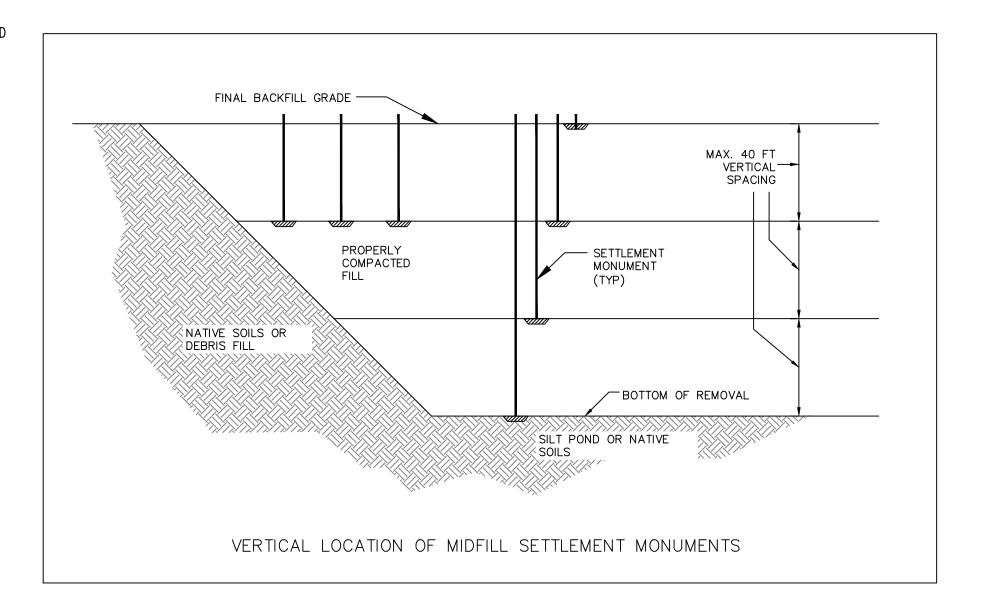
SCHEDULE OF QUALITY ASSURANCE ACTIVITIES

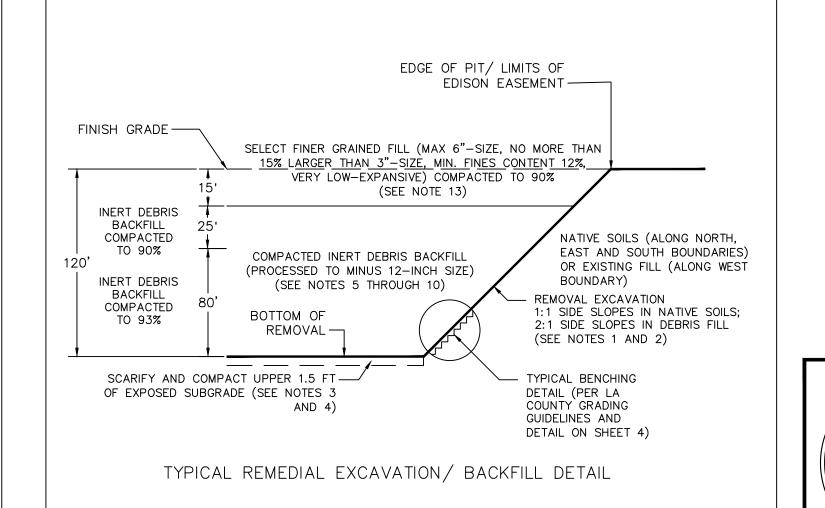
FIELD TEST OR	TEST METHOD	MINIMUM TESTING FREQUENCY		
OBSERVATION		SOIL FILL NOTE 1	BLENDED RUBBLE FILL NOTE 2	
OBSERVATION OF FILLING PROCESS	N/A	SUFFICIENT TO PROVIDE THE BASIS FOR AN OPINION ON CONFORMANCE OF THE FILLING PROCEDURES WITH THESE GUIDELINES		
TEST PITS OR TRENCHES	VISUAL ASSESSMENT OF FILL MATERIALS AND VOIDS IN ACCORDANCE WITH SECTION 9.2.4	N/A	ONE PER 5,000 CY, TWO PER LIFT, OR ONE PER WEEK, WHICHEVER IS MORE FREQUENT	
FIELD DENSITY AND COMPACTION	SEE NOTE 3	ONE PER 1,000 CY OR ONE PER EACH TWO LIFTS	ONE PER 20,000 CY, ONE PER EA 2 WEEKS, OR PER 2 LIFTS	
GRADATION	SEE NOTE 4	ONE PER 100,000 CY OR ONE PER MONTH	ONE PER 100,000 CY OR ONE PER MONTH	
MOISTURE CONTENT	SHALL BE DETERMINED ONLY ON SIZES UP TO AND INCLUDING 3/4-INCH	ONE PER FIELD DENSITY TEST, AND AS NEEDED TO GUIDE FILL PLACEMENT	ONE PER 5,000 CY OR ONE PER WEEK	

- SOIL FILL HAS NO MORE THAN 30% PARTICLES LARGER THAN 3/4 INCH.
- BLENDED RUBBLE FILL HAS MORE THAN 30% PARTICLES LARGER THAN 3/4 INCH.
- FIELD DENSITY TESTS ON SOIL FILL MAY INCLUDE SAND CONE (ASTM D1556), NUCLEAR GAUGE (ASTM D 2922) OR LARGE-SCALE DENSITY TESTS. MAXIMUM DENSITIES FOR SOIL FILL SHALL BE DETERMINED BY ASTM D1557. FIELD DENSITY TESTS FOR BLENDED RUBBLE FILL SHALL BE DETERMINED BY LARGE-SCALE DESNITY TESTS CONDUCTED IN ACCORDANCE WITH ASTM D4914, ASTM D 5030 OR THE PROVISIONS OF APPENDIX B. MAXIMUM ACHIEVABLE DENSITY DATA FOR BLENDED RUBBLE FILL SHALL BE DETERMINED FROM TEST PAD FILLS IN ACCORDANCE WITH APPENDIX A OR BY EVALUATING DENSITIES IN FREQUENTLY TRAFFICKED HAUL ROADS.
- GRADATION FOR SOIL FILLS AND BLENDED RUBBLE FILLS SHALL BE ESTABLISHED BY THE METHODS GIVEN IN ASTM D422, AND THE FIELD BULK GRADATION METHOD DESCRIBED IN APPENDIX B
- APPENDICES A AND B REFER TO ABOVE WATER BACKFILLING GUIDELINES APPENDICES; SECTION 9.2.4 REFERS TO THE SECTION IN THE ABOVE WATER BACKFILLING GUIDELINES



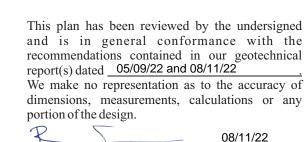








Designed by:



HD GEOSOLUTIONS, INC. HDGI Project No.:___70986

DATE

Checked by:

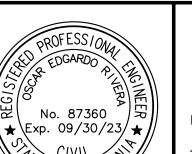
RRG



GEOTECHNICAL ENGINEER

THE REMEDIAL GRADING PLAN HAS BEEN REVIEWED FOR CONFORMANCE WITH GEOTECHNICAL ENGINEERING RECOMMENDATIONS

08/11/22 LIC NO. DATE HD GEOSOLUTIONS, INC.



DAVID EVANS AND ASSOCIATES INC. 17782 17TH STREET, STE. 200 **TUSTIN, CA 92780** Phone: 714.665.4500 Fax: 714.665.4501 PREPARED, UNDER THE SUPERVISION OF:

Drawn by:

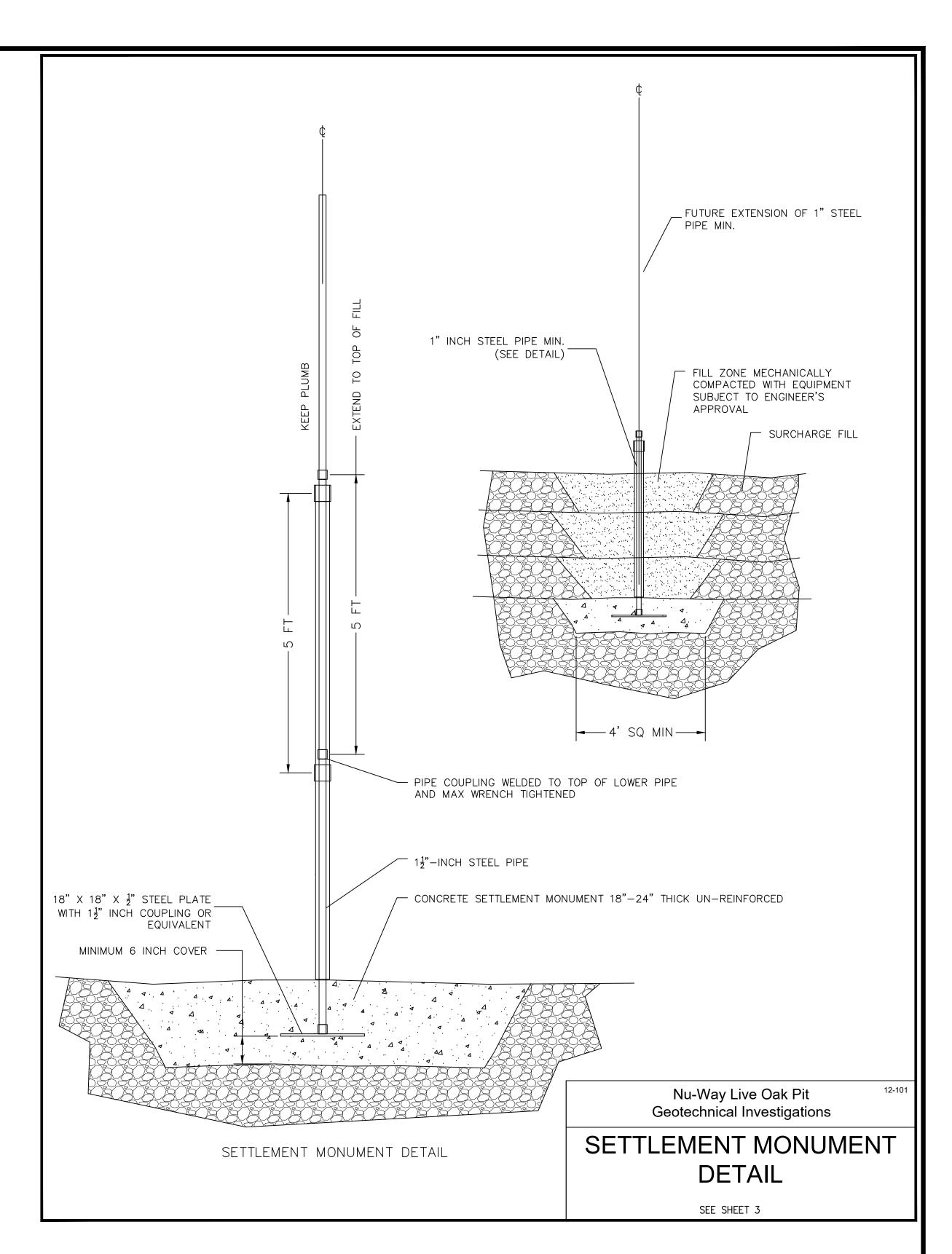
CITY OF IRWINDALE COUNTY OF LOS ANGELES

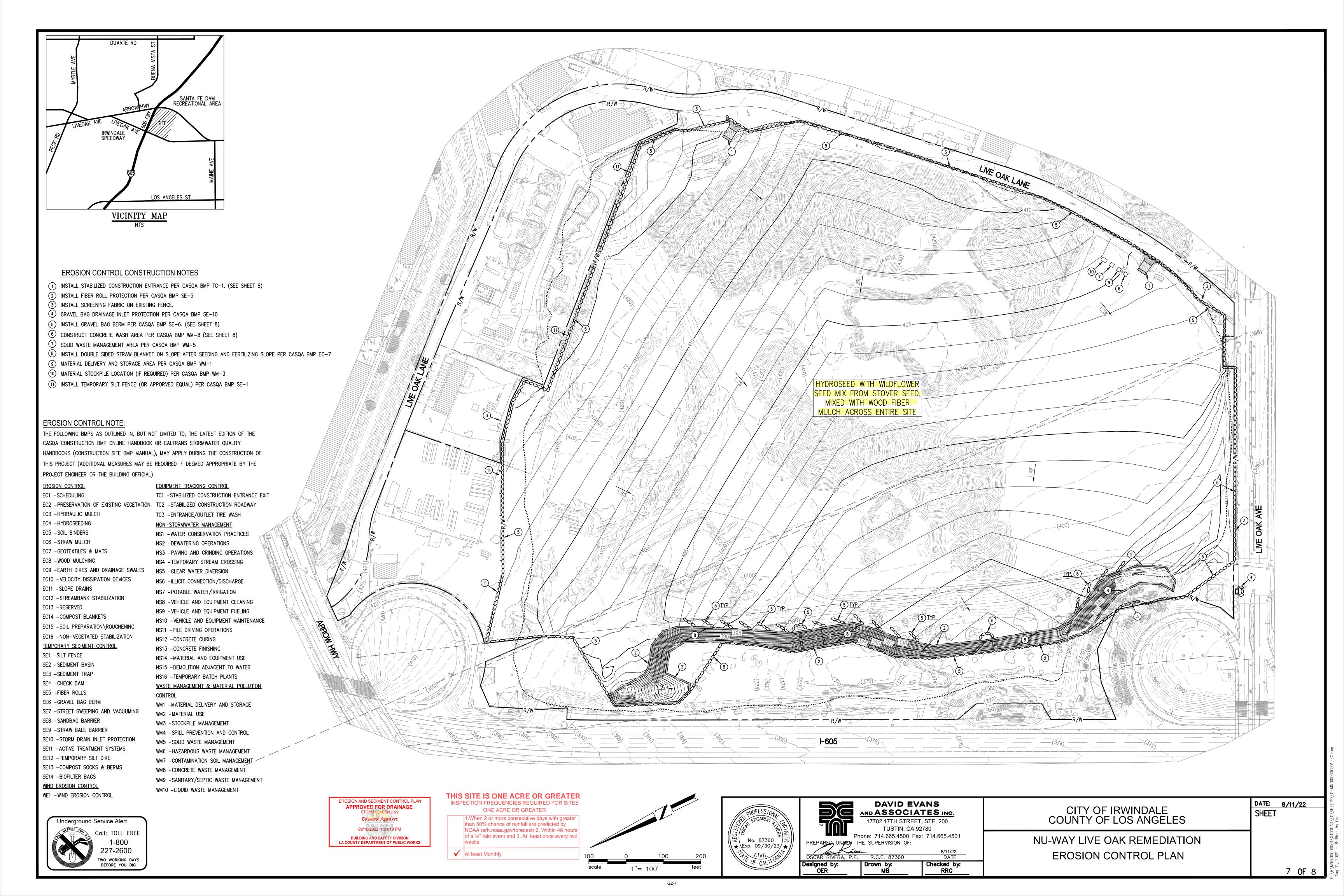
NU-WAY LIVE OAK REMEDIATION ROUGH GRADING DETAILS AND NOTES

DATE: 8/11/22

6 **OF** 8







EROSION CONTROL NOTES

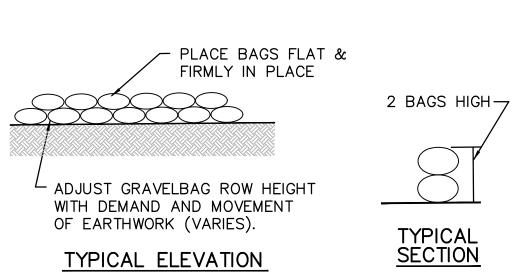
- 1. IN CASE OF EMERGENCY, CALL <u>STEVEN HILLGREN</u> AT <u>310-203-1861</u>.
- 2. TOTAL DISTURBED AREA: 61.5 ACRES
- 3. A STAND-BY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (NOVEMBER 1 TO APRIL 15). NECESSARY MATERIALS SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN IS IMMINENT.
- EROSION CONTROL DEVICES SHOWN ON THIS PLAN MAY BE REMOVED WHEN APPROVED BY THE BUILDING OFFICIAL IF THE GRADING OPERATION HAS PROGRESSED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED.
- 5. GRADED AREAS ADJACENT TO FILL SLOPES LOCATED AT THE SITE PERIMETER MUST DRAIN AWAY FROM THE TOP OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY. ALL LOOSE SOILS AND DEBRIS THAT MAY CREATE A POTENTIAL HAZARD TO OFF-SITE PROPERTY SHALL BE STABILIZED OR REMOVED FROM THE SITE ON A DAILY BASIS.
- 6. ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM AND BE DISPOSED OF
- 7. A GUARD SHALL BE POSTED ON THE SITE WHENEVER THE DEPTH OF WATER IN ANY DEVICE EXCEEDS TWO FEET. THE DEVICE SHALL BE DRAINED OR PUMPED DRY WITHIN 24 HOURS AFTER EACH RAINSTORM. PUMPING AND DRAINING OF ALL BASINS AND DRAINAGE DEVICES MUST COMPLY WITH THE APPROPRIATE BMP FOR DEWATERING OPERATIONS.
- 8. THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE AND CONTAIN POLLUTANTS WITHIN THE SITE IS LEFT TO THE DISCRETION OF THE FIELD ENGINEER. ADDITIONAL DEVICES AS NEEDED SHALL BE INSTALLED TO RETAIN SEDIMENTS AND OTHER
- 9. DESILTING BASINS MAY NOT BE REMOVED OR MADE INOPERABLE BETWEEN NOVEMBER 1 AND APRIL 15 OF THE FOLLOWING YEAR WITHOUT THE APPROVAL OF THE BUILDING OFFICIAL.
- 10. STORM WATER POLLUTION AND EROSION CONTROL DEVICES ARE TO BE MODIFIED, AS NEEDED, AS THE PROJECT PROGRESSES, THE DESIGN AND PLACEMENT OF THESE DEVICES IS THE RESPONSIBILITY OF THE FIELD ENGINEER. PLANS REPRESENTING CHANGES MUST BE SUBMITTED FOR APPROVAL IF REQUESTED BY THE BUILDING OFFICIAL.
- 11. EVERY EFFORT SHOULD BE MADE TO ELIMINATE THE DISCHARGE OF NON-STORM WATER FROM THE PROJECT SITES AT ALL TIMES.
- 12. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON-SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.
- 13. STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
- 14. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOILS AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE
- 15. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON-SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
- 16. DEVELOPERS/CONTRACTORS ARE RESPONSIBLE TO INSPECT ALL EROSION CONTROL DEVICES AND BMPS ARE INSTALLED AND FUNCTIONING PROPERLY IF THERE IS A 50% OR GREATER PROBABILITY OF PREDICTED PRECIPITATION, AND AFTER ACTUAL PRECIPITATION. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY THE BUILDING OFFICIAL.
- 17. TRASH AND CONSTRUCTION-RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
- 18. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
- 19. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND
- 20. AS THE ENGINEER/QSD OF RECORD, I HAVE SELECTED APPROPRIATE BMPS TO EFFECTIVELY MINIMIZE THE NEGATIVE IMPACTS OF THIS PROJECT'S CONSTRUCTION ACTIVITIES ON STORM WATER QUALITY. THE PROJECT OWNER AND CONTRACTOR ARE AWARE THAT THE SELECTED BMPS MUST BE INSTALLED. MONITORED, AND MAINTAINED TO ENSURE THEIR EFFECTIVENESS.

CIVIL ENGINEER/QSD SIGNATURE

21. AS THE PROJECT OWNER OR AUTHORIZED AGENT OF THE OWNER. "I CERTIFY THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH THE SYSTEM DESIGNED TO ENSURE THAT A QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFORMATION SUBMITTED IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT SUBMITTING FALSE AND/OR INACCURATE INFORMATION, FAILING TO UPDATE THE ESCP TO REFLECT CURRENT CONDITIONS, OR FAILING TO PROPERLY AND/OR ADEQUATELY IMPLEMENT THE ESCP MAY RESULT IN REVOCATION OF GRADING AND/OR OTHER PERMITS OR OTHER SANCTIONS PROVIDED BY LAW.

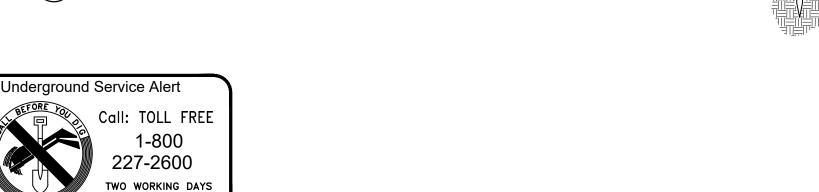
(OWNER OR AUTHORIZED REPRESENTATIVE (PERMITEE)

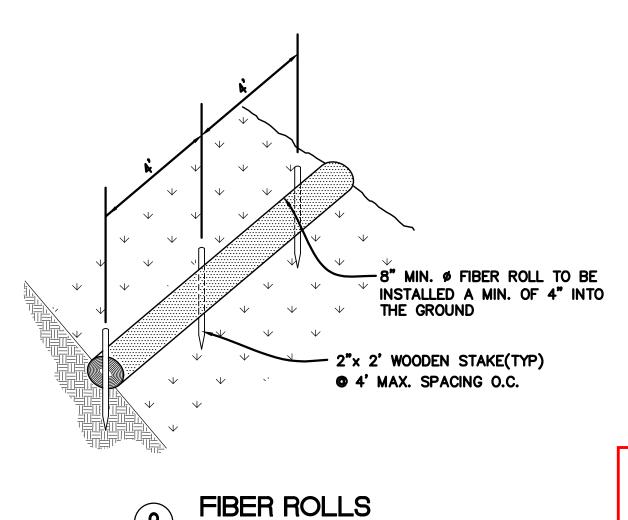
22. DEVELOPERS/CONTRACTORS ARE RESPONSIBLE TO INSPECT ALL EROSION CONTROL DEVICES ADN BMPS ARE INSTALLED AND FUNTIONING PROPERLY AS REQUIRED BY THE STATE CONSTRUCTION GENERAL PERMIT. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY THE BUILDING OFFICIAL.

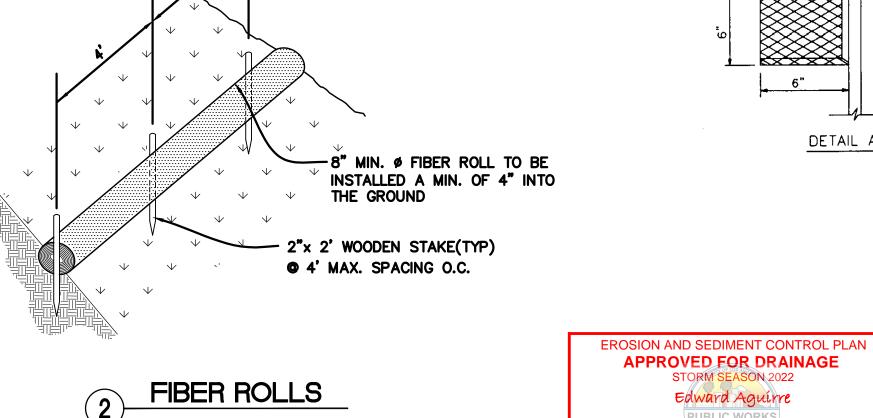


TYPICAL GRAVELBAG DETAIL

BEFORE YOU DIG

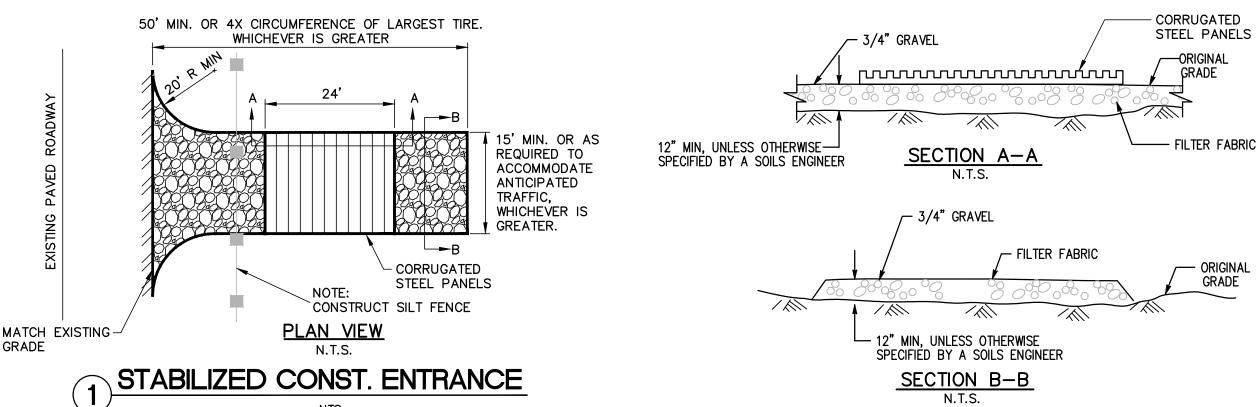


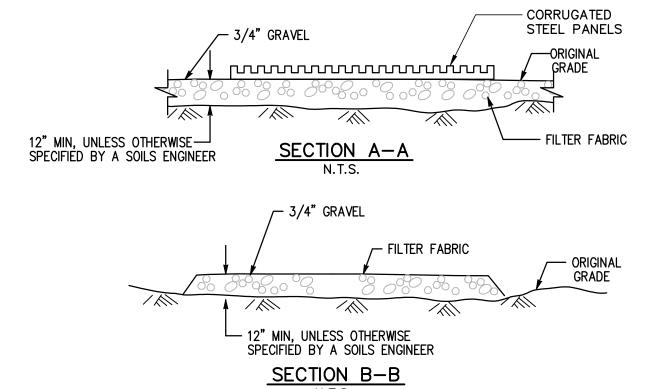




GRADE

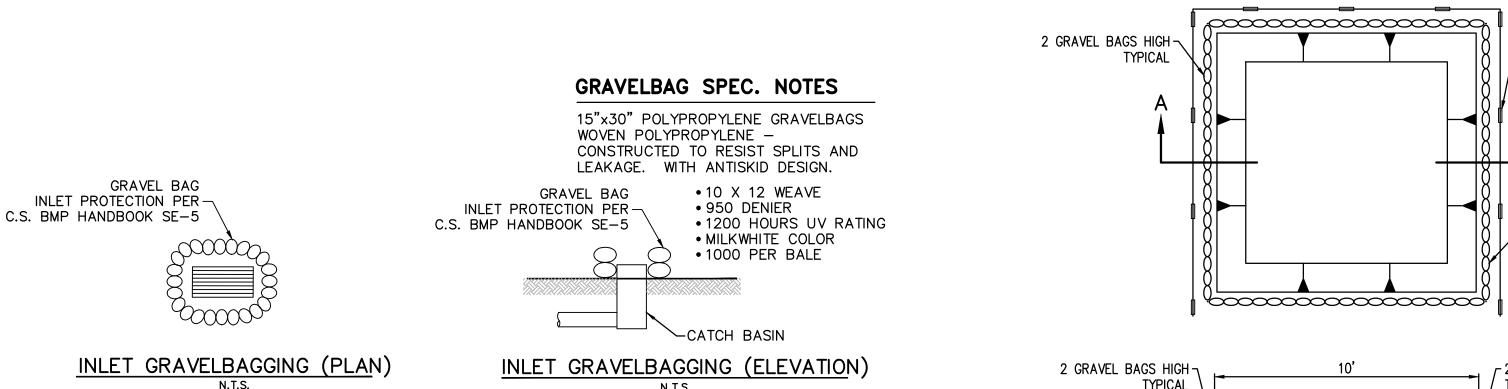
GRATE CATCH BASIN DETAIL

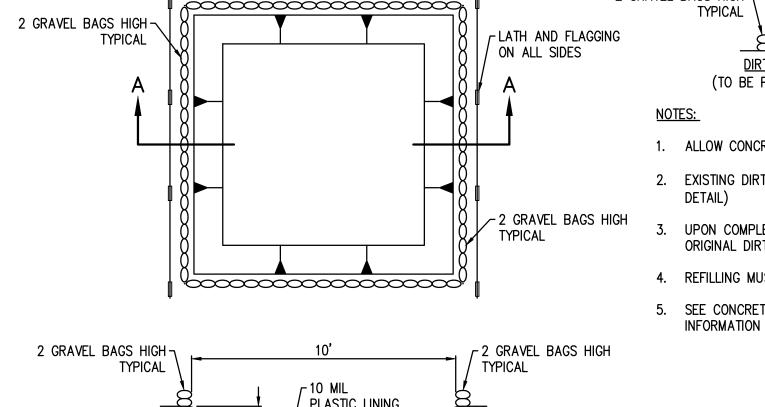




EROSION CONTROL CONSTRUCTION NOTES

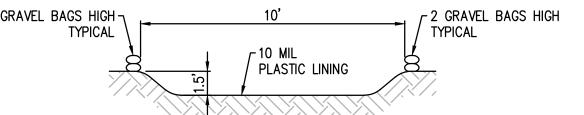
- (1) INSTALL STABILIZED CONSTRUCTION ENTRANCE PER CASQA BMP TC-1. (SEE DETAIL HEREON)
- (2) INSTALL FIBER ROLL PROTECTION PER CASQA BMP SE-5
- (3) INSTALL SCREENING FABRIC ON EXISTING FENCE.
- (4) GRAVEL BAG DRAINAGE INLET PROTECTION PER CASQA BMP SE0-10
- (5) INSTALL GRAVEL BAG BERM PER CASQA BMP SE-6. (SEE DETAIL HEREON)
- 6 CONSTRUCT CONCRETE WASH AREA PER CASQA BMP WM-8 (SEE DETAIL HEREON)
- 7 SOLID WASTE MANAGEMENT AREA PER CASQA BMP WM-5
- (8) INSTALL DOUBLE SIDED STRAW BLANKET ON SLOPE AFTER SEEDING AND FERTILIZING SLOPE PER CASQA BMP EC-7
- (9) MATERIAL DELIVERY AND STORAGE AREA PER CASQA BMP WM-1
- (10) MATERIAL STOCKPILE LOCATION (IF REQUIRED) PER CASQA BMP WM-3
- (11) INSTALL TEMPORARY SILT FENCE (OR APPORVED EQUAL) PER CASQA BMP SE-1



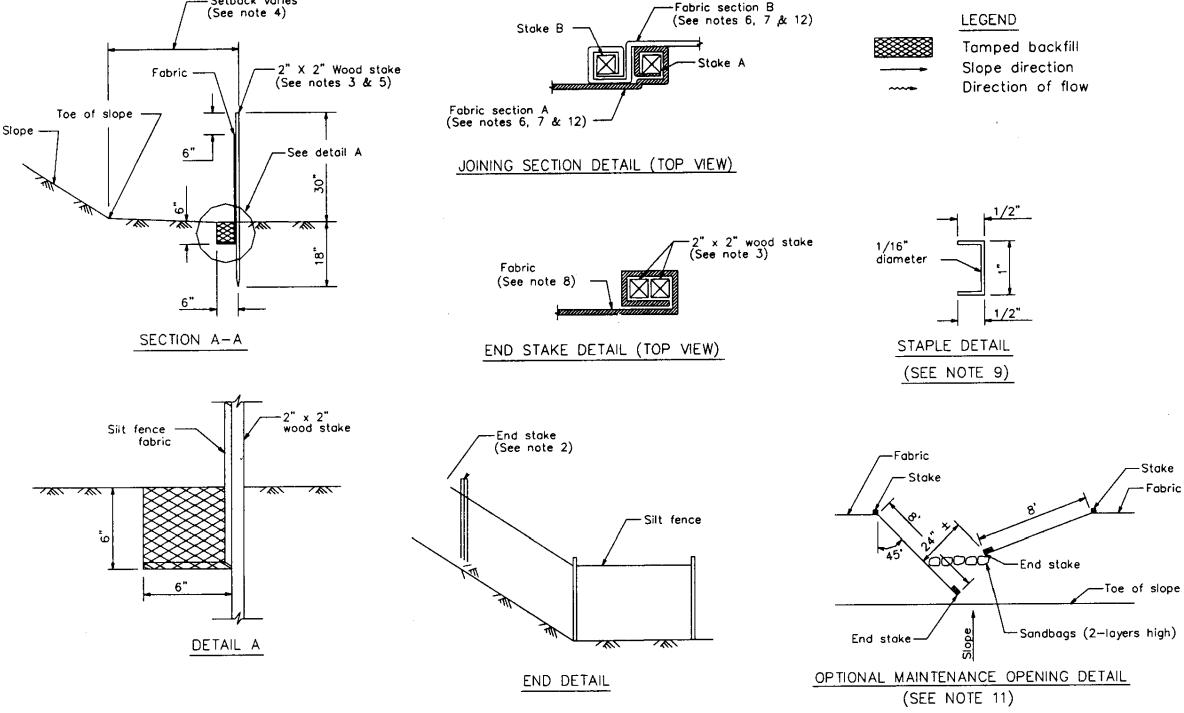


PLASTIC LINING _ 2 GRAVEL BAGS HIGH 2 GRAVEL BAGS HIGH ¬ DIRT REMOVED FOR WASH-OUT AREA (TO BE PROTECTED UNTIL PUT BACK IN PLACE)

- 1. ALLOW CONCRETE TO SET, BREAKUP AND DISPOSE OF PROPERLY.
- 2. EXISTING DIRT TO BE PLACED ON-SITE NEAR WASH-OUT AREA (SEE
- UPON COMPLETION OF CONSTRUCTION WASHOUT DITCH TO BE FILLED WITH ORIGINAL DIRT STORED ON-SITE PER DETAIL HEREON.
- 4. REFILLING MUST BE COMPLETED PER GEOTECHNICAL RECOMMENDATIONS.
- 5. SEE CONCRETE WASTE MANAGEMENT BMP WM-8 FOR ADDITIONAL



CONCRETE WASH-OUT AREA



SILT FENCE DETAIL

NOTE 1: SE-1 (SILT FENCE)

- 1. CONSTRUCT THE LENGTH OF EACH REACH SO THAT THE CHANGE IN BASE ELEVATION ALONG THE REACH DOES NOT EXCEED 1 THE HEIGHT OF THE LINEAR BARRIER, IN NO CASE SHALL THE REACH LENGTH EXCEED 500'.
- 2. THE LAST 8'-0" OF FENCE SHALL BE TURNED UP SLOPE.
- 3. STAKE DIMENSIONS ARE NOMINAL.
- 4. DIMENSION MAY VARY TO FIT FIELD CONDITION.
- 5. STAKES SHALL BE SPACED AT 8'-0" MAXIMUM AND SHALL BE POSITIONED ON DOWNSTREAM SIDE OF FENCE.
- 6. STAKES TO OVERLAP AND FENCE FABRIC TO FOLD AROUND EACH STAKE ONE FULL TURN.
- SECURE FABRIC TO STAKE WITH 4 STAPLES. 7. Stakes shall be driven tightly together to prevent potential flow—through of
- SEDIMENT AT JOINT. THE TOPS OF THE STAKES SHALL BE SECURED WITH WIRE.
- 8. FOR END STAKE, FENCE FABRIC SHALL BE FOLDED AROUND TWO STAKES ONE FULL TURN
- AND SECURED WITH 4 STAPLES.
- 9. MINIMUM 4 STAPLES PER STAKE. DIMENSIONS SHOWN ARE TYPICAL
- 10. CROSS BARRIERS SHALL BE A MINIMUM OF 1/3 AND A MAXIMUM OF 1/2 THE HEIGHT OF
- THE LINEAR BARRIER.
- 11. MAINTENANCE OPENINGS SHALL BE CONSTRUCTED IN A MANNER TO ENSURE SEDIMENT
- REMAINS BEHIND SILT FENCE.
- 12. JOINING SECTIONS SHALL NOT BE PLACED OF SUMP LOCATIONS.
- 13. GRAVEL BAG ROWS AND LAYERS SHALL BE OFFSET TO ELIMINATE GAPS.

DAVID EVANS AND ASSOCIATES INC. 17782 17TH STREET, STE. 200 **TUSTIN, CA 92780** Phone: 714.665.4500 Fax: 714.665.4501 No. 87360 PREPARED UNDER THE SUPERVISION OF: ★\Exp. 09/30/23/★ DATE Drawn by: Checked by:

RRG

CITY OF IRWINDALE COUNTY OF LOS ANGELES

NU-WAY LIVE OAK REMEDIATION **EROSION CONTROL PLAN DETAILS**

8 **OF** 8

DATE: 8/11/22

SHEET

G2-8

09/16/2022 1:01:56 PM

BUILDING AND SAFETY DIVISION

LA COUNTY DEPARTMENT OF PUBLIC WORKS

---- Setback varies