

GRADING PLAN GENERAL NOTES:

- ALL CONSTRUCTION ON-SITE SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF COACHELLA, TITLE 24 OF THE CALIFORNIA ADMINISTRATIVE CODE, CHAPTER 2 AND THE CALIFORNIA BUILDING CODE.
- ALL GRADING SHALL BE DONE IN CONFORMANCE WITH THE CALIFORNIA BUILDING CODE, APPENDIX CHAPTER 33, REGULATING THE EXCAVATION AND GRADING OF LAND AND AMENDMENTS THERETO, THE REQUIREMENTS OF THE CITY OF COACHELLA AND THE RECOMMENDATIONS OF THE SOILS REPORT, PREPARED BY **GEOMAT TESTING LABORATORIES, INC.**, DATED **3-24-2018**.
- CARE SHALL BE TAKEN TO PROTECT ALL CONSTRUCTION STAKES. RESURVEY RESULTING FROM CARELESS OPERATION SHALL BE BACK-CHARGED TO THE CONTRACTOR.
- NO GRADING WORK SHALL BE ACCOMPLISHED WITHOUT A CITY PERMIT.
- THE ENGINEERING DEPARTMENT SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF ANY GRADING OPERATION TO SCHEDULE A PRE-GRADING MEETING AT THE SITE. THE DEVELOPER/OWNER, GRADING CONTRACTOR, DESIGN CIVIL ENGINEER, SOILS ENGINEER, CITY ENGINEER AND THE CITY INSPECTOR SHALL BE PRESENT AT THIS MEETING.
- THE PERMITTEE OR HIS AGENT SHALL NOTIFY THE ENGINEERING DEPARTMENT WHEN GRADING IS READY FOR EACH OF THE FOLLOWING INSPECTIONS:
 - INITIAL INSPECTION. WHEN THE PERMITTEE IS READY TO BEGIN WORK, BUT NOT LESS THAN TWO (2) DAYS BEFORE ANY GRADING OR CLEARING/SHRUBBING IS STARTED.
 - ROUGH GRADING. WHEN ALL ROUGH GRADING HAS BEEN COMPLETED. THIS INSPECTION MAY BE CALLED FOR AT THE COMPLETION OF ROUGH GRADING.
 - FINAL INSPECTION. WHEN ALL WORK, INCLUDING INSTALLATION OF PROTECTIVE DEVICES HAS BEEN COMPLETED AND THE AS-GRADED PLAN, PROFESSIONAL CERTIFICATIONS, AND THE REQUIRED REPORTS HAVE BEEN SUBMITTED.
- FILLS SHALL BE COMPLETED THROUGHOUT TO 90% RELATIVE COMPACTION AS DETERMINED BY ASTM STD NO. D-1557, LATEST EDITION, 5 LAYER METHOD AND CERTIFIED BY THE SOILS ENGINEER.
- AREAS TO BE GRADED SHALL BE PROPERLY PREPARED IN ACCORDANCE WITH THE PRELIMINARY SOILS REPORT AND APPROVED BY THE CITY ENGINEER AND THE SOILS ENGINEER PRIOR TO PLACING OF FILL.
- THE EXISTING IRRIGATION LINES AND CISTERNS SHALL BE REMOVED OR CRUSHED IN PLACE AND BACKFILLED, AND APPROVED BY THE CITY ENGINEER AND SOILS ENGINEER.
- THE SOILS ENGINEER SHALL BE RESPONSIBLE FOR THE QUALITY OF THE WORK PERFORMED BY THE GRADING CONTRACTOR, AND EXERCISE SUFFICIENT SUPERVISORY CONTROL DURING GRADING TO INSURE COMPLIANCE WITH THE PLANS, SPECIFICATIONS, AND CODES WITHIN HIS PURVIEW.
- THE DESIGN CIVIL ENGINEER SHALL EXERCISE SUFFICIENT SUPERVISORY CONTROL DURING GRADING AND CONSTRUCTION TO INSURE COMPLIANCE WITH THE PLANS, SPECIFICATIONS, AND THE CODES WITHIN HIS PURVIEW.
- DUST SHALL BE CONTROLLED BY WATERING AND OTHER BEST MANAGEMENT PRACTICES PER APPROVED FUGITIVE DUST CONTROL PLAN (PM-10).
- APPROVED PROTECTION MEASURES AND TEMPORARY DRAINAGE PROVISIONS MUST BE USED TO PROTECT ADJOINING PROPERTIES DURING GRADING OF THE PROJECT.
- PRIOR TO FINAL APPROVAL, THE DESIGN CIVIL ENGINEER SHALL CERTIFY TO THE CITY ENGINEER THAT THE SITE HAS BEEN GRADED TO THE LINE AND GRADE SHOWN ON THE APPROVED GRADING PLANS.
- THE DESIGN CIVIL ENGINEER SHALL CERTIFY THAT THE GRADES SHOWN ON THE PLANS MEET THE FEMA FLOOD INSURANCE RATE MAP REQUIREMENTS AND THE CITY OF COACHELLA FLOOD PROTECTION ORDINANCE.
- THE CONTRACTOR SHALL NOT DISTURB EXISTING SURVEY MONUMENTS OR BENCHMARKS NOTED ON THE PLANS OR DISCOVERED IN THE FIELD. REMOVAL AND REPLACEMENT SHALL BE DONE BY A REGISTERED CIVIL ENGINEER OR LICENSED SURVEYOR ONLY.
- THE LOCATION AND PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE PERMITTEE AND THE PERMITTEE SHALL NOTIFY ALL AFFECTED UTILITIES 48 HOURS IN ADVANCE OF ANY WORK.

GENERAL CONSTRUCTION NOTES:

- ALL DESIGN, MATERIALS, AND CONSTRUCTION WORK SHALL CONFORM TO THE CITY OF COACHELLA STANDARD SPECIFICATIONS AND PROCEDURES AND THE CITY OF COACHELLA STANDARD DRAWINGS AND TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK), MOST CURRENT EDITIONS AND THESE APPROVED PLANS.
- THE CONTRACTOR SHALL, AT NO EXPENSE TO THE CITY, PROVIDE ALL NECESSARY SAMPLES AND TESTS REQUIRED BY THE CITY TO ASSURE THAT THE QUALITY OF THE MATERIALS AND WORKMANSHIP ARE IN ACCORDANCE WITH THESE PLANS AND SAID SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK AND SHALL MAINTAIN ALL FACILITIES COMPLETE AND UNCOMPLETED UNTIL ACCEPTED BY THE CITY.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT-OF-WAY IN ACCORDANCE WITH THE PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AT NO COST TO THE CITY.
- THE CONTRACTOR SHALL OBTAIN AND REVIEW ALL NECESSARY STANDARDS, PLANS, AND SPECIFICATIONS IN DETAIL PRIOR TO START OF CONSTRUCTION. ALL DOCUMENTS, INCLUDING APPROVED PLANS AND REFERENCED STANDARDS SHALL BE ON-SITE AT ALL TIMES. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE CITY INSPECTOR PRIOR TO WORK IN THAT AREA.
- ALL ELEVATIONS SHOWN TO BE EXISTING ARE FROM A RECENT SURVEY OF THE ENGINEER AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- PRIOR TO BEGINNING ANY WORK, CONTRACTOR SHALL SECURE A CITY OF COACHELLA PERMIT FOR CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE CITY OF COACHELLA (760) 398-5744, 72 HOURS PRIOR TO STARTING ANY WORK. A PRE-CONSTRUCTION MEETING SHALL BE SET UP WITH THE CITY OF COACHELLA ENGINEERING DEPARTMENT AND ALL AFFECTED UTILITY COMPANIES SHALL BE PRESENT.
- CONTRACTOR SHALL CALL U.S.A., UNDERGROUND SERVICE ALERT, AT 1-800-227-2600 AND SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES 24 HOURS IN ADVANCE OF THE COMMENCEMENT OF CONSTRUCTION.
- OSHA SAFETY AND OSHA CONFIRMED ENTRY REQUIREMENTS SHALL BE FOLLOWED AT ALL TIMES WITHOUT EXCEPTION.
- THE CONTRACTOR SHALL GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR AFTER THE DATE OF FINAL ACCEPTANCE BY CITY OF COACHELLA IN ACCORDANCE WITH THE CITY OF COACHELLA STANDARD SPECIFICATIONS.
- QUANTITIES SHOWN HEREON ARE FOR ESTIMATE PURPOSES ONLY. NEITHER THE DESIGN ENGINEER NOR THE CITY OF COACHELLA GUARANTEE THE ACCURACY OR COMPLETENESS OF THE CONSTRUCTION QUANTITIES.
- CONTRACTOR SHALL CONFORM TO LABOR CODE SECTION 6705 BY SUBMITTING A DETAIL PLAN TO THE CITY ENGINEER SHOWING THE DESIGN OF SHORING, BRACING, SLOPING, OR OTHER PROVISIONS TO BE MADE FOR PROTECTION OF WORKERS FROM THE HAZARD OF CAVING DURING TRENCH EXCAVATION AND PIPE INSTALLATION THEREIN. THIS PLAN MUST BE PREPARED FOR ALL TRENCHES FIVE FEET OR MORE IN DEPTH. IF THE PLAN VARIES FROM THE SHORING SYSTEM STANDARDS ESTABLISHED BY THE CONSTRUCTION SAFETY ORDERS, TITLE 8, CALIFORNIA ADMINISTRATIVE CODE, THE PLAN SHALL BE PREPARED BY A REGISTERED ENGINEER. A COPY OF THE OSHA EXCAVATION PERMIT MUST BE SUBMITTED TO THE CITY OF COACHELLA INSPECTOR PRIOR TO EXCAVATION.
- THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS WAS OBTAINED BY AVAILABLE RECORDS SEARCH BY THE DESIGN ENGINEER. TO THE BEST OF THE DESIGN ENGINEER'S KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. ATTENTION IS CALLED TO THE POSSIBLE EXISTENCE OF OTHER UTILITIES OR STRUCTURES NOT SHOWN, OR IN A DIFFERENT LOCATION FROM THAT SHOWN ON THE PLANS. THE CONTRACTOR SHALL TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN ON THE PLANS AND OTHER EXISTING FACILITIES OR STRUCTURES NOT SHOWN.
- APPROVAL OF THIS PLAN BY THE CITY OF COACHELLA DOES NOT CONSTITUTE A REPRESENTATION OF THE ACCURACY OF THE LOCATION OF, OR THE EXISTENCE OR NON-EXISTENCE OF, ANY UNDERGROUND UTILITY, PIPE, OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT.
- CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS INCLUDING, BUT NOT LIMITED TO, TRENCH SAFETY AND CONFINED SPACE ENTRY.
- SOILS REPORTS SHALL BE SUBMITTED TO THE CITY OF COACHELLA BY A QUALIFIED SOILS ENGINEER WHICH CERTIFIES THAT TRENCH BACKFILL WAS COMPACTED AS DIRECTED BY THE SOILS ENGINEER IN ACCORDANCE WITH ON SITE EARTHWORK SPECIFICATIONS AND THE CITY OF COACHELLA STANDARD SPECIFICATIONS.
- ALL REVISIONS TO DRAWINGS SHALL BE APPROVED BY THE CITY ENGINEER IN WRITING PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR KEEPING COMPLETE RECORD OF CHANGES AND SHALL MAKE SUCH RECORD AVAILABLE TO THE DESIGN ENGINEER. THE PRIVATE ENGINEER SHALL PROVIDE AS-BUILT DRAWINGS TO THE CITY OF COACHELLA FOR REVIEW AND APPROVAL PRIOR TO FINAL ACCEPTANCE OF THE PROJECT. APPROVED AS-BUILT PLANS SHALL BE SUBMITTED TO THE CITY OF COACHELLA ENGINEERING DEPARTMENT IN AUTOCAD FORMAT.
- THE CONTRACTOR SHALL PROTECT ALL SURVEY MONUMENTATION. IF ANY SURVEY MONUMENTS ARE DISTURBED OR DESTROYED, THE CONTRACTOR SHALL RETAIN A LICENSED SURVEYOR TO RE-ESTABLISH AND RECORD THE MONUMENT CHANGE PER STATE LAW.
- CONTRACTOR SHALL NOT INTERRUPT OR DISTURB ANY UTILITY FACILITY WITHOUT AUTHORITY FROM THE UTILITY COMPANIES. WHERE PROTECTION IS REQUIRED TO ENSURE INTEGRITY OF UTILITY FACILITIES (INCLUDING CITY-OWNED UTILITIES), CONTRACTOR SHALL FURNISH AND PLACE ALL NECESSARY PROTECTION.

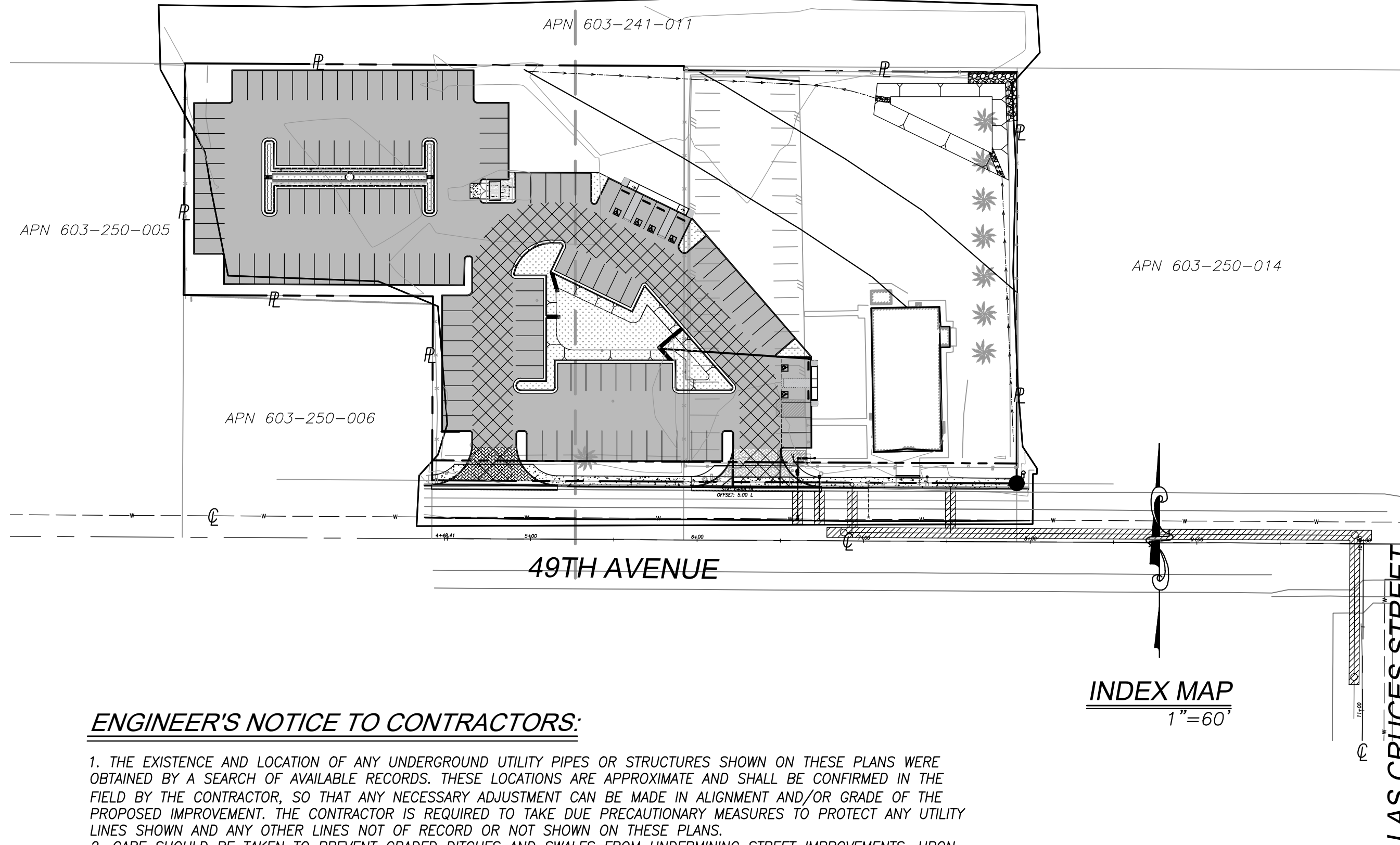
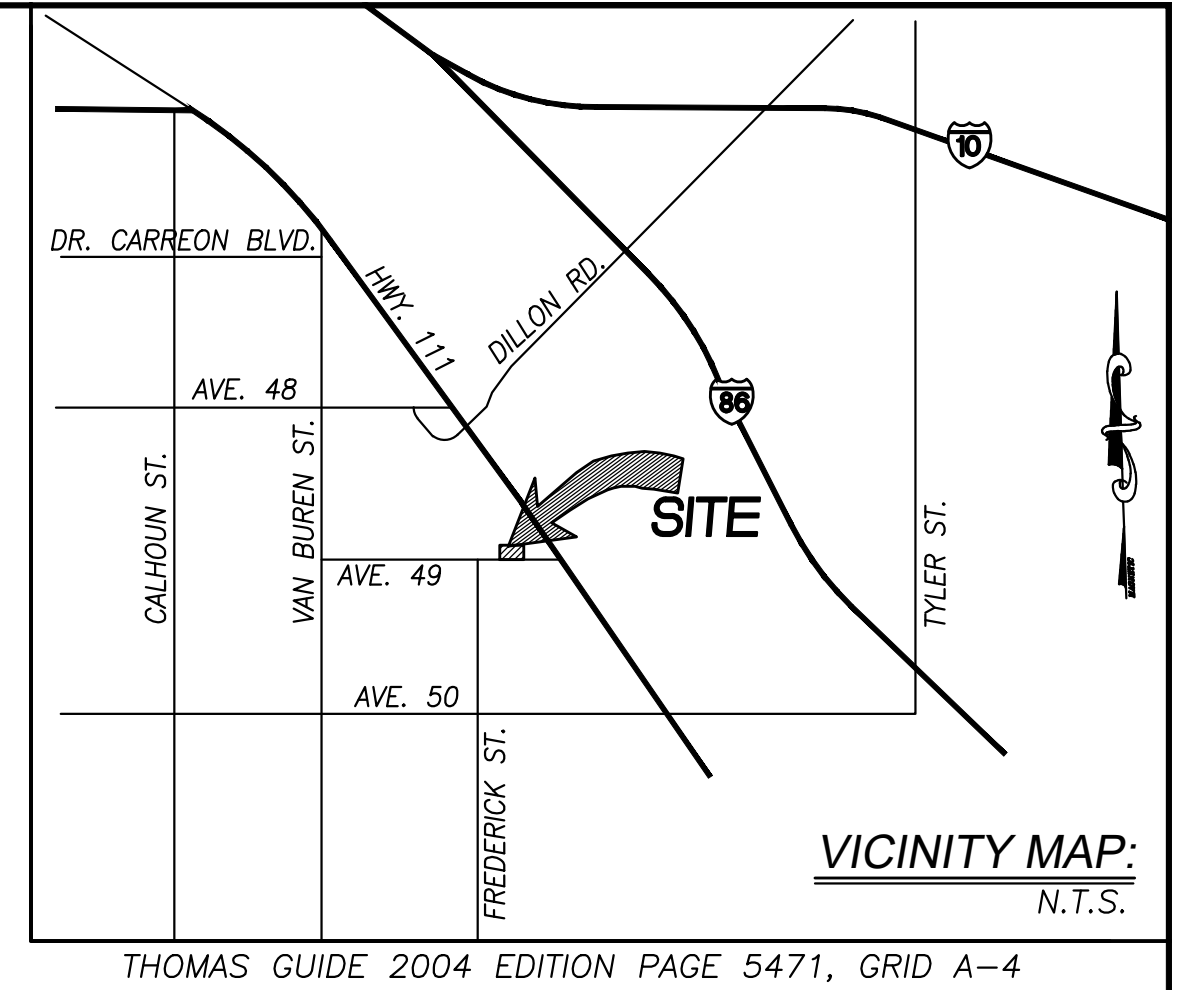
UTILITY CONTACTS:

ELECTRIC _____ IMPERIAL IRRIGATION DISTRICT (800)303-7756 PH.
 PHONE _____ AT&T (800)222-0300 PH.
 GAS _____ SEMPRAS GAS (800)427-2200 PH.
 CABLE&INTERNET _____ SPECTRUM (760)340-2225 PH.
 CABLE&INTERNET _____ FRONTIER (855)925-9100 PH.
 WATER _____ COACHELLA WATER AUTHORITY (760)398-2702 PH.
 SEWER _____ COACHELLA SANITATION AUTHORITY (760)501-8100 PH.

CITY OF COACHELLA PRECISE GRADING PLAN FOR 84650 49TH AVENUE COACHELLA, CA 92236

SHEET INDEX:

SHEET:	SHEET TITLE:
1	TITLE SHEET
2	PRECISE GRADING PLAN
3	EROSION CONTROL PLAN
4	BEST MANAGEMENT PRACTICES



INDEX MAP
1"=60'

ENGINEER'S NOTICE TO CONTRACTORS:

- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR, SO THAT ANY NECESSARY ADJUSTMENT CAN BE MADE IN ALIGNMENT AND/OR GRADE OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- CARE SHOULD BE TAKEN TO PREVENT GRADED DITCHES AND SWALES FROM UNDERMINING STREET IMPROVEMENTS. UPON INSPECTION OF THE SITES, THE CITY ENGINEER MAY REQUIRE TEMPORARY GUNITE SWALES, ENTERING OR LEAVING IMPROVEMENTS.
- ALL AREAS SHALL SLOPE A MINIMUM OF 1.0% TO STREETS, DRIVE OR SWALE UNLESS OTHERWISE NOTED.
- QUANTITIES SHOWN HERE ARE FOR PLAN CHECKING PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE TO PERFORM HIS OWN QUANTITIES TAKEOFF.
- 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 THE REQUIREMENTS SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE CITY OF COACHELLA 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 CITY OF COACHELLA OR THE ENGINEER.
- CONTRACTOR TO OBTAIN AND COMPLY WITH CURRENT CITY STANDARD DRAWINGS AND SPECIFICATIONS FROM THE CITY PRIOR TO BIDDING.

LEGEND:

- > FLOW LINE
- P PROPERTY LINE
- C CENTER LINE
- - - 8"W(E) - - - EXISTING WATER LINE
- O PROPOSED SEWER LINE
- - - (1117) - - - EXISTING CONTOUR
- - - 1371 - - - PROPOSED CONTOUR
- BSL BUILDING SETBACK LINE
- - - EXISTING BLOCK WALL
- X - X - X EXISTING WROUGHT IRON FENCE

ABBREVIATIONS:

- | | |
|----------------------------|----------------------------------|
| A.D. = AREA DRAIN | D.P. = DRAIN PIPE |
| G.F. = GARAGE FINISH FLOOR | R/W = RIGHT OF WAY |
| E.P. = EDGE OF PAVEMENT | C.C. = CLEANOUT |
| G.B. = GRADE BREAK | T.W. = TOP OF WALL |
| H.P. = HIGH POINT | R = RADIUS |
| D.L. = DAYLIGHT | TF = TOP OF FOOTING |
| G.S. = GROUND SHOT | (106.02) = EXIST. ELEVATION |
| W.V. = WATER VALVE | 106.02 = PROPOSED ELEVATION |
| W = WATER MAIN | FG = FINISHED GROUND |
| W.M. = WATER METER | FS = FINISHED SURFACE |
| FL = FLOW LINE | CJ = CONTROL JOINT |
| C.L. = CENTER LINE | TOE = TOE OF SLOPE |
| B.M. = BENCH MARK | TOP = TOP OF SLOPE |
| L.S. = LANDSCAPING | TOP/D.L. = TOP OF SLOPE/DAYLIGHT |
| T.G. = TOP OF GRATE | TOC = TOP OF CURB |
| INV. = INVERT ELEVATION | FF = FINISHED FLOOR |
| A.C. = ASPHALT CONCRETE | D.F. = DEEPEN FOOTING |
| P.L. = PROPERTY LINE | CONC. = CONCRETE |
| B.F. = BACKFLOW | P.I.P. = PROTECT IN PLACE |
| W.I. = WROUGHT IRON | |

SOILS ENGINEER:

I, _____ (NAME) CERTIFY THAT I AM THE SOILS/GEOTECHNICAL ENGINEER, LICENSE (NO. _____) FOR THIS PROJECT, AND THAT I HAVE REVIEWED THESE PLANS, AND APPROVE ALL GRADING AND EARTHWORKS SHOWN ON THESE PLANS, AND THAT THESE PLANS CONFORM TO THE SOILS REPORT (REPORT PREPARED BY _____, REPORT NUMBER _____, DATE _____) PREPARED FOR THIS PROJECT. I WILL SUPERVISE THE EARTHWORKS AND GRADING OPERATIONS.
 SIGNATURE AND STAMP _____



BENCH MARK:

ELEV. : 441.53' NAVD 88 + 500' AT THE INTERSECTION OF AVENUE 50 AND STATE HIGHWAY 111, 136.8' NE OF CL. HIGHWAY, 41.7' SW OF THE NEAR RAIL OF THE UNION PACIFIC RAILROAD, 16.7' SE OF THE AVENUE CL, 1.0' W OF A RAILROAD CROSSING SIGNAL, 1.0' W OF A WITNESS POST. MARKER IS A STEEL ROD.
 ELEVATION = -58.47' (NAVD88)

OWNER/DEVELOPER:

ISLAMIC SOCIETY OF PALM SPRINGS
 84650 49TH AVENUE
 COACHELLA, CA 92236
 760-625-2578 PH.

ENGINEER:

SAKE ENGINEERS, INC.
 400 S. RAMONA AVE. STE. 202
 CORONA, CA 92879
 (951) 279-4041 PH.
 (951) 279-2830 FAX

SURVEYOR:

ON POINT LAND SURVEYING, INC.
 370 ALABAMA ST. STE. A
 REDLANDS, CA 92373
 (909) 792-2221 PH.
 (909) 784-1836 FAX

SOILS ENGINEER:

GEOMAT TESTING LABORATORIES, INC.
 9980 INDIANA AVE. STE. 14
 RIVERSIDE, CA 92503
 (951) 688-5400 PH.
 (951) 688-5200 FAX

NOTE:

TO MAKE ELEVATION POSITIVE, 100 FEET HAS BEEN ADDED TO ACTUAL ELEVATIONS.

ASSESSORS PARCEL NO.:

603-250-014

LEGAL DESCRIPTION:

1.13 ACRES M/L IN POR LOT D MB 005/126 SUB OF SEC 31 T5S R8E.

NOTE:

EARTH QUANTITIES SHOWN HERE ARE FOR RAW ESTIMATING PLAN CHECK FEES ONLY. GRADING CONTRACTOR IS RESPONSIBLE TO PERFORM THEIR OWN CALCULATIONS FOR EARTH VOLUME WITH THE SOIL'S ENGINEER'S RECOMMENDATION.

NOTE:

IMPORT DIRT SHALL BE VERIFY BASED ON SOIL'S ENGINEER RECOMMENDATION.

EARTHWORK QUANTITIES			
RAW CUT			626 C.Y.
TOTAL CUT			626 C.Y.
RAW FILL			0 C.Y.
SUBSIDENCE	2.40	ACRES	0.2 FEET (773) C.Y.
SHRINKAGE	17.5%		TOTAL CUT (550) C.Y.
OVER-X	17.5%	12,980 S.F.	3' 0"/X (2,753) C.Y.
TOTAL FILL			(2,592) C.Y.
NET FILL			(6,042) C.Y.



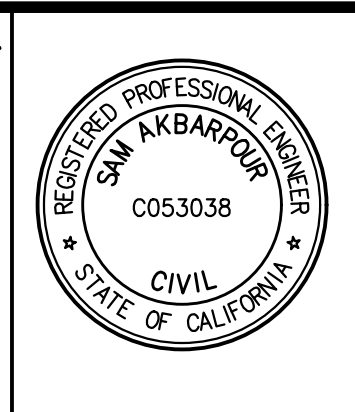
SAKE ENGINEERS, INC.
 www.sakeengineers.com
 ENGINEERING • SURVEYING • LAND DEVELOPMENT
 400 S. RAMONA AVE., STE. 202
 CORONA, CALIFORNIA 92879
 (951) 279-4041

NO.	REVISIONS BY	APPR.	DATE	T.B.M.
				BENCH MARK: SEE ABOVE
				BASIS OF BEARING:

DRAWN	DATE	JOB NO.	GB-07-___
IH	4/12/2024		

PUBLIC WORKS

PREPARED UNDER THE DIRECT SUPERVISION OF:
 SAM AKBARPOUR DATE _____
 RCE C 53038 EXP. 6/30/2025

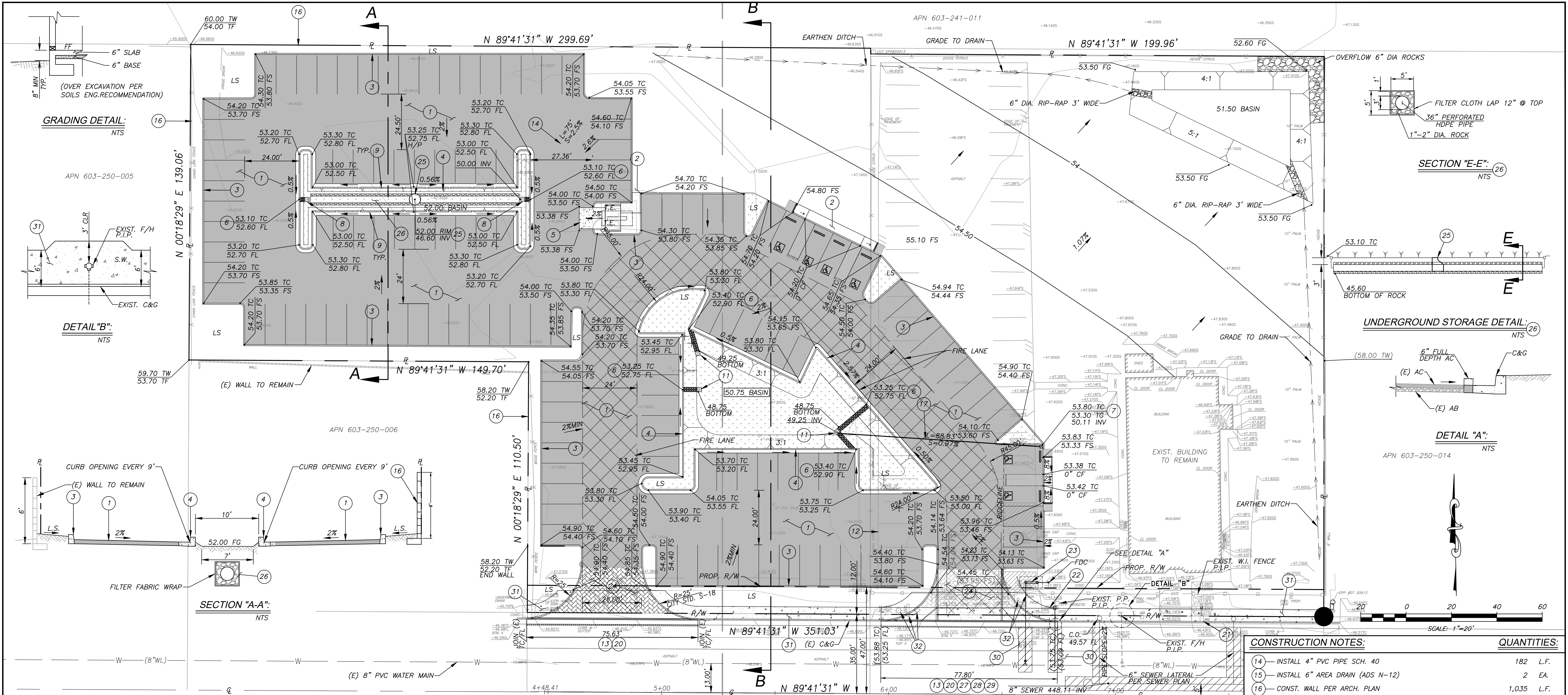


RECOMMENDED FOR APPROVAL BY:
 NOEL OWSLEY DATE _____
 RCE NO. 39827
 DATE _____ EXP. DATE: 12-31-25

CITY OF COACHELLA
 APPROVED FOR CONSTRUCTION:
 DATE _____
 JONATHAN D. HOY RCE NO. 63526 EXP. 9-30-24
 APPROVED BY:
 DATE _____
 J. LUIS LOPEZ - PLANNING DIRECTOR

CITY OF COACHELLA
GRADING PLAN
 PROJECT DESCRIPTION:
 SITE ADDRESS: 84650 49TH AVENUE COACHELLA, CA 92236
 LEGAL DESCRIPTION: POR LOT D MB 005/126 SUB OF SEC 31 T5S R8E.
 SEC. 31 T. 5 S., R. 8 E., S.B.B. &M A.P.N. 603-250-014

G-1
 OF 4 SHEETS



CONSTRUCTION NOTES:	QUANTITIES:
14 - INSTALL 4" PVC PIPE SCH. 40	182 L.F.
15 - INSTALL 6" AREA DRAIN (ADS N-12)	2 EA.
16 - CONST. WALL PER ARCH. PLAN	1,035 L.F.
17 - INSTALL 6" PVC PIPE SCH. 40	89 L.F.
18 - REMODEL EXIST. IRRIGATION LINE	LUMP SUM
19 - REMOVE EXIST. AC PAVING	16,025 S.F.
20 - REMOVE EXIST. CURB & GUTTER	50 L.F.
21 - FIELD VERIFY & UTILIZE EXIST. WATER METER FOR LANDSCAPING	1 EA.
22 - INSTALL 2" WATER MASTER METER 4G A.M.I.	1 EA.
23 - INSTALL 4" D.D.C. PER CITY STD. W-10	1 EA.
24 - CONST. PAVERS OR STAMPED CONC.	1,150 S.F.
25 - CONST. 48" DIA. ACCESS MANHOLE	1 EA.
26 - INSTALL 36" PERFORATED HDPE PIPE INSIDE 1"-2" DIA. ROCK PER DETAIL HEREON	92 L.F.
27 - SAWCUT & REMOVE (E) C&G	12 L.F.
28 - CONST. C&G PER CITY STD. S-7	6 L.F.
29 - SAWCUT & REMOVE EXIST. DRIVEWAY APPROACH	6 L.F.
30 - UTILITY TRENCH PAVEMENT REPLACEMENT PER CITY STD. S-30	240 S.F.
31 - CONST. 4" PCC SIDEWALK PER CITY STD. S-21	2132 S.F.
32 - RELOCATE EXIST. SIGN & LIGHTS	3 EA.

CONSTRUCTION NOTES:	QUANTITIES:
1 - CONST. 3" AC OVER 5.5" AB ADJUST PER SOIL ENG. RECOMMENDATION	42,190 S.F.
2 - CONST. 4" P.C.C. WALKWAY (W= PER PLAN)	3,620 S.F.
3 - CONST. 6" TYPE "D" CURB PER CITY STD. S-10	1,405 L.F.
4 - CONST. 6" CURB & MODIFIED 18" GUTTER PER CITY STD. S-7	870 L.F.
5 - CONST. 6" CONC. SLAB #4@16 O.C.E.W.	172 L.F.
6 - CONST. 18" CURB CUT	4 EA.
7 - INSTALL 12"x12" CATCH BASIN BROOKS PRODUCT WITH TRAFFIC GRATE	1 EA.
8 - INSTALL 18"x18" GRATE INLET AND CONNECT TO 36" PIPE	2 EA.
9 - CONST. 12" CURB CUT EVERY 9'	20 EA.
10 - INSTALL 12" AREA DRAIN (ADS N-12)	2 EA.
11 - INSTALL 24"x24" CATCH BASIN BROOKS PRODUCT WITH PARKWAY GRATE PER DETAIL HEREON	3 EA.
12 - REMOVE EXIST. CURB	600 L.F.
13 - CONST. COMMERCIAL DRIVEWAY PER CITY STD. S-18	1 EA.

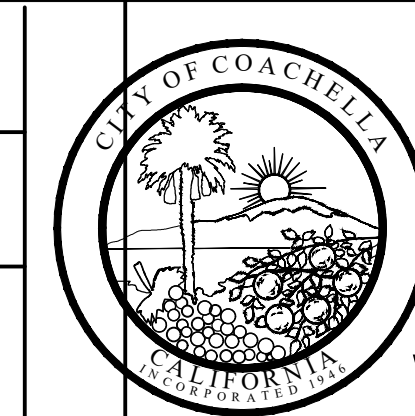
NOTE:
PROPOSED BUILDING PAD AREAS SHOULD BE OVER EXCAVATED AND COMPACTED TO SOILS ENGINEER RECOMMENDATION

SAKE ENGINEERS, INC.
ENGINEERING • SURVEYING • LAND DEVELOPMENT
400 S. RAMONA AVE., STE. 202
CORONA, CALIFORNIA 92879
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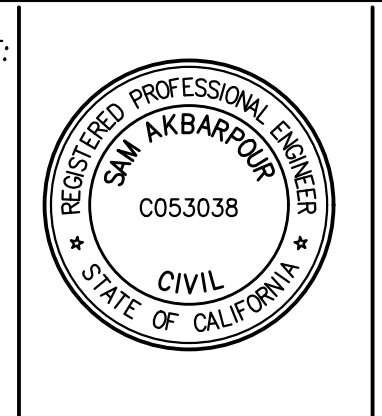
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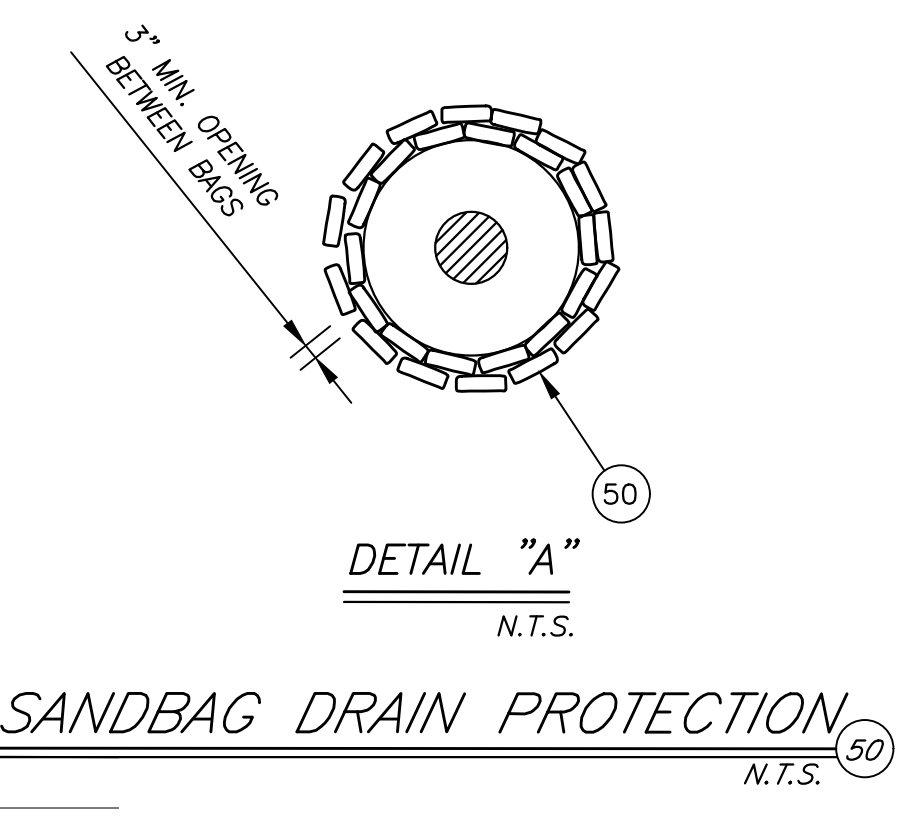
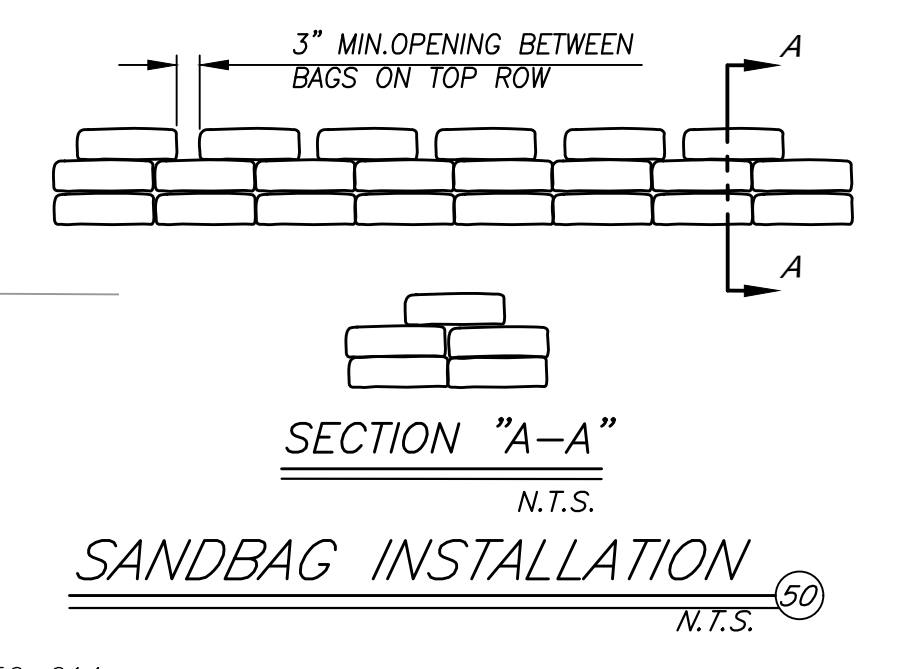
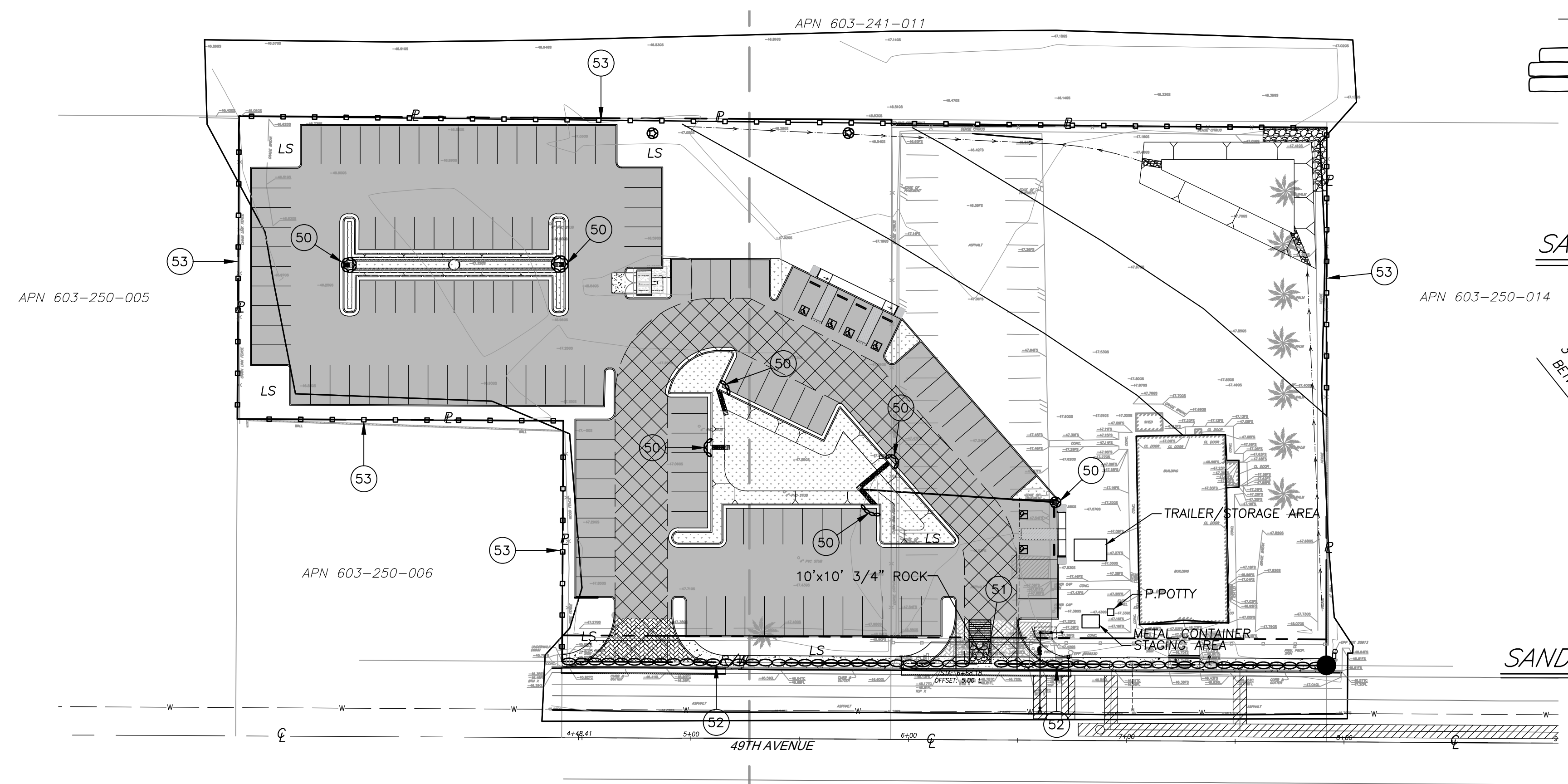


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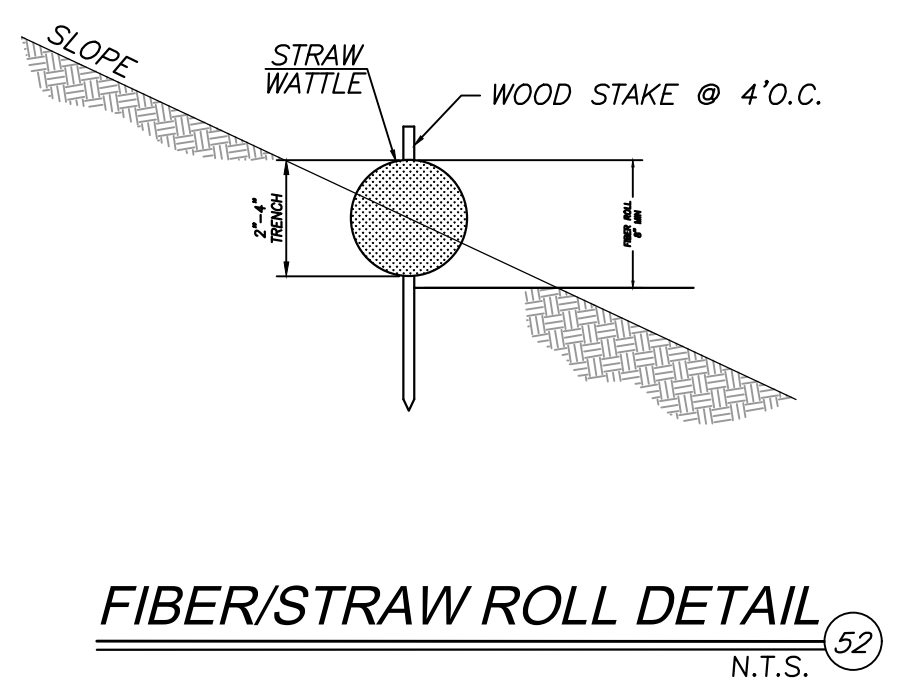
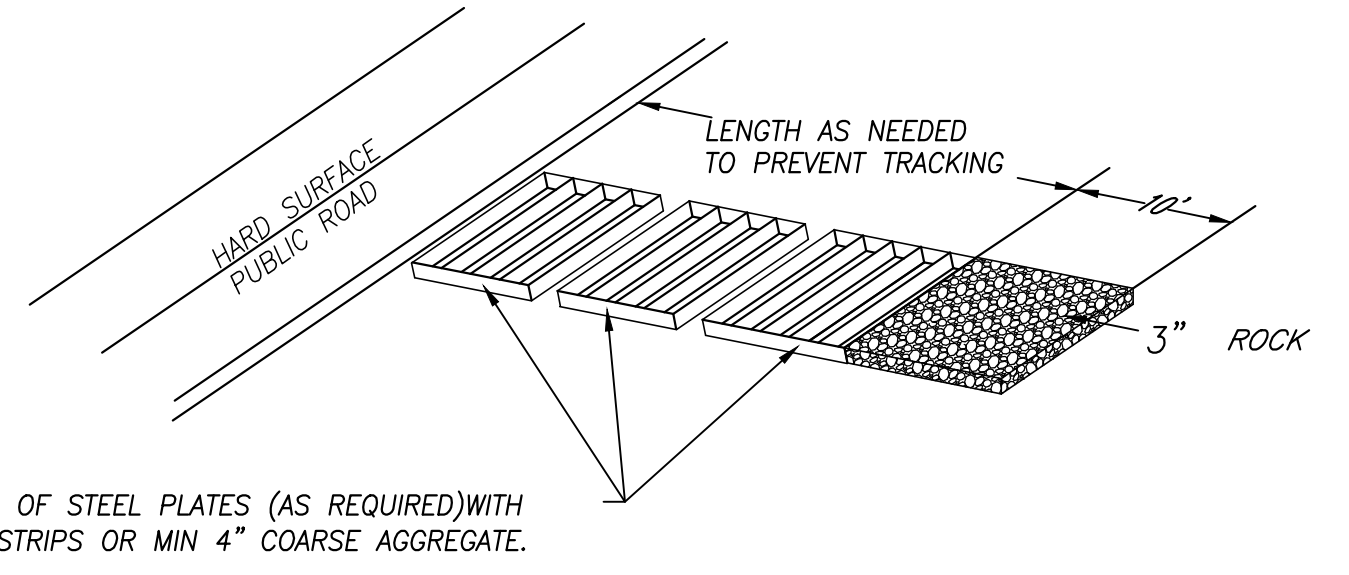
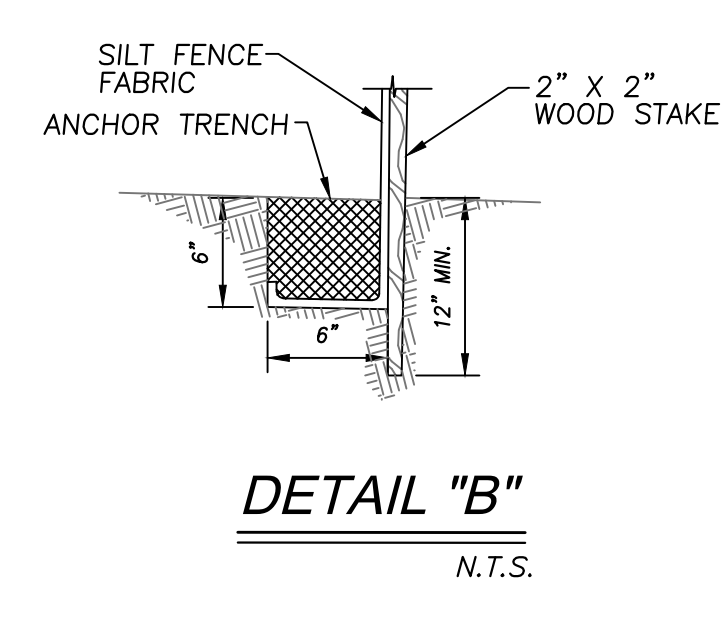
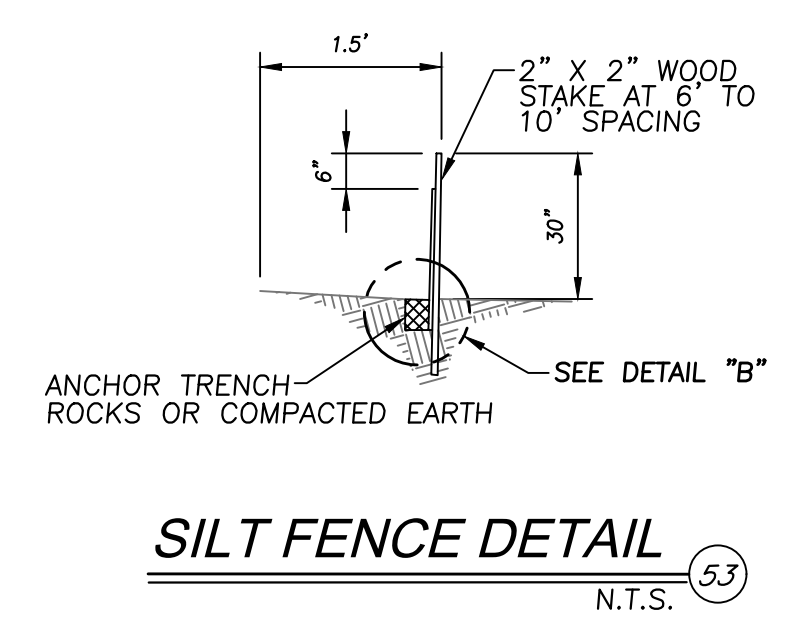
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PROJECT DESCRIPTION:
GRADING PLAN
SITE ADDRESS: 84650 49TH AVENUE COACHELLA, CA 92236
LEGAL DESCRIPTION: POR LOT D MB 005/126 SUB OF SEC 31 T5S R8E.
SEC. 31 T. 5 S., R. 8 E., S.B.B. & M A.P.N. 603-250-014

G-2
OF
4
SHEETS



- SITE PREPARATION:**
- 1 THE EMBANKMENT FOUNDATION AREA SHALL BE CLEARED OF ALL TREES, ROOTS, BRUSH, BOULDERS, SOD, AND DEBRIS.
 - 2 ALL TOPSOIL CONTAINING EXCESSIVE AMOUNTS OF ORGANIC MATTER SHALL BE REMOVED.
 - 3 ALL STORM DRAIN INLETS SHALL BE CAPPED AND/OR CATCH BASINS SHALL BE PROTECTED W/FILTER FABRIC HELD DOWN BY SANDBAGS AROUND BASINS.



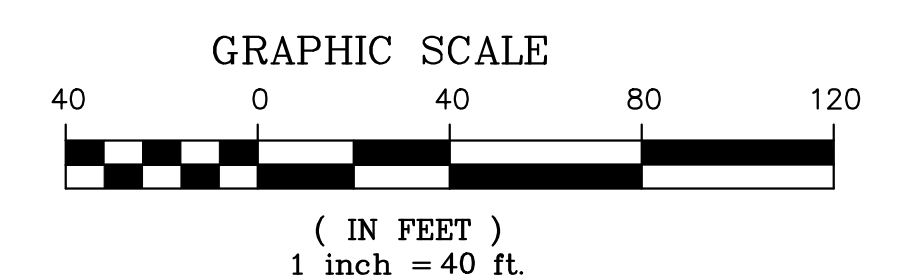
SEDIMENTS AND OTHER MATERIALS SHALL NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS SHALL BE STABILIZED SO AS TO PREVENT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC ROADS. DEPOSITIONS MUST BE SWEEP UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS INTO THE STORM DRAIN SYSTEM.

STABILIZED CONSTRUCTION ENTRANCE SHALL BE:
 LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT OF WAY, STREET, ALLEY, AND SIDEWALK OR PARKING AREA.
 A SERIES OF STEEL PLATES WITH "RUMBLE STRIPS", AND/OR MIN 4" COARSE AGGREGATE WITH LENGTH, WIDTH & THICKNESS AS NEEDED TO ADEQUATELY PREVENT ANY TRACKING ONTO PAVED SURFACES.
 ADDING A WASH RACK WITH A SEDIMENT TRAP LARGE ENOUGH TO COLLECT ALL WASH WATER CAN GREATLY IMPROVE EFFICIENCY.
 ALL VEHICLES ACCESSING THE CONSTRUCTION SITE SHALL UTILIZE THE STABILIZED CONSTRUCTION ENTRANCE SITES.

STREET MAINTENANCE:

REMOVE ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS IMMEDIATELY. SWEEP PAVED AREAS THAT RECEIVE CONSTRUCTION TRAFFIC WHENEVER SEDIMENT BECOMES VISIBLE. PAVEMENT WASHING WITH WATER IS PROHIBITED IF IT RESULTS IN A DISCHARGE TO THE STORM DRAIN SYSTEM.

STABILIZED CONSTRUCTION ENTRANCE
N.T.S.



THE FOLLOWING NOTES AND BMP'S AS OUTLINED IN, BUT NOT LIMITED TO, THE BEST MANAGEMENT PRACTICE HANDBOOK, CALIFORNIA STORMWATER QUALITY TASK FORCE, SACRAMENTO, CALIFORNIA 1993, OR THE LATEST REVISED EDITION, MAY APPLY DURING THE CONSTRUCTION OF THIS PROJECT (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY THE GRADING INSPECTOR):

- EROSION CONTROL NOTES:**
1. EROSION CONTROL IS REQUIRED FOR GRADING OPERATIONS ON A YEAR ROUND BASIS. APPROVED PLANS ARE REQUIRED FOR ALL WORK REQUIRING A GRADING PERMIT.
 2. IN CASE OF EMERGENCY, CALL ISLAMIC SOCIETY OF PALM SPRINGS OF _____ AT 760-625-2578
 3. THE ENGINEER OF RECORD WILL SUPERVISE EROSION CONTROL WORK AND ENSURE THAT WORK IS IN ACCORDANCE WITH APPROVED PLANS.
 4. CITY APPROVAL OF PLANS DOES NOT RELIEVE THE DEVELOPER FROM RESPONSIBILITY FOR THE CORRECTION OF ERROR AND OMISSION DISCOVERED DURING CONSTRUCTION. UPON REQUEST, THE REQUIRED PLAN REVISIONS SHALL BE PROMPTLY SUBMITTED TO THE PUBLIC WORKS DIRECTOR FOR APPROVAL.
 5. THE PUBLIC WORKS DIRECTOR RESERVES THE RIGHT TO MAKE CHANGES OR MODIFICATIONS TO THIS PLAN AS DEEMED NECESSARY.
 6. STANDBY CREW FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES. NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMP'S) OR TO REPAIR ANY DAMAGED BMP'S WHEN RAIN IS IMMINENT.
 7. AN EFFECTIVE COMBINATION OF EROSION AND SEDIMENT CONTROL BMP'S SHALL BE IMPLEMENTED AND MAINTAINED TO PREVENT AND/OR MINIMIZE THE TRANSPORT OF SOIL IN RUNOFF FROM DISTURBED SOIL AREAS ON THE CONSTRUCTION SITE AT ALL TIMES. IN ADDITION, BMP'S SHALL BE INSPECTED PRIOR TO PREDICTED STORM EVENTS AND FOLLOWING STORM EVENTS. BMP'S SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE CITY INSPECTOR.
 8. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE FIVE-DAY RAIN PROBABILITY FORECAST EXCEEDS 40 PERCENT, AS FORECASTED BY THE NATIONAL WEATHER SERVICE.
 9. AFTER A RAIN EVENT EXCEEDING ONE-QUARTER INCH IN ANY 12 HOUR PERIOD, OR UPON DIRECTION OF THE PUBLIC WORKS DIRECTOR, ALL SILT AND DEBRIS SHALL BE REMOVED FROM CHECK DAMS, SILT FENCES, AND DESILTING BASINS; AND THE BASINS SHALL BE PUMPED DRY AND RESTORED TO ORIGINAL DESIGN CONDITION. ANY EROSION CONTROL MEASURES DAMAGED DURING A RAIN EVENT SHALL ALSO BE IMMEDIATELY REPAIRED.
 10. DESILTING BASINS ARE TO BE CONSTRUCTED AS GRADING OF INDIVIDUAL GRADING AREAS ARE COMPLETE PER ROUGH GRADING PLANS.
 11. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION.
 12. AREAS SHALL BE MAINTAINED IN SUCH A STATE THAT FIRE ACCESS SHALL BE MAINTAINED AT ALL TIMES (INCLUDING ACCESS TO NEIGHBORING PROPERTIES).
 13. GRADED AREAS AROUND THE SITE PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
 14. TEMPORARY EROSION PROTECTION IS REQUIRED FOR MANUFACTURED SLOPES PRIOR TO PERMANENT PLANTING.
 15. ALL DISTURBED SLOPES SHALL BE PLANTED AND PROTECTED WITHIN 45 DAYS OF THE COMPLETION OF EACH STAGE OF GRADING. SUITABLE MEASURES TO PREVENT SLOPE EROSION INCLUDING, BUT NOT LIMITED TO, RAPID GROWTH VEGETATION SUFFICIENT TO STABILIZE THE SOIL, SHALL BE INSTALLED ON ALL DISTURBED AREAS UNTIL SUCH TIME AS THE PERMANENT VEGETATIVE COVER SUFFICIENTLY MATURES TO PROVIDE PERMANENT STABILITY.
 16. NO OBSTRUCTION OR DISTURBANCE OF NATURAL DRAINAGE COURSES OR EXISTING STORM DRAIN INLETS SHALL OCCUR DURING GRADING OPERATIONS, UNLESS ADEQUATE TEMPORARY/PERMANENT DRAINAGE FACILITIES HAVE BEEN APPROVED AND INSTALLED TO CARRY SURFACE WATER TO THE NEAREST PRACTICAL STREET, STORM DRAIN OR NATURAL WATER COURSE. ALL EXISTING DRAINAGE COURSES ON THE PROJECT SITE MUST BE MAINTAINED IN A STATE TO ALLOW FOR CONTINUOUS FUNCTION.
 17. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER THAT STORM RUNOFF WILL BE CONTAINED WITHIN THE PROJECT OR CHANNELLED INTO THE STORM DRAIN SYSTEM WHICH SERVES THE RUNOFF AREA. STORM RUNOFF FROM ONE AREA SHALL NOT BE ALLOWED TO DIVERT TO ANOTHER RUNOFF AREA.
 18. CONFORMANCE WITH THE REQUIREMENTS OF THESE PLANS SHALL IN NO WAY RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITIES TO THIS SITE AND ADJACENT PROPERTIES. DURING GRADING OPERATIONS, TEMPORARY DRAINAGE CONTROL SHALL BE PROVIDED TO PREVENT PONDING WATER AND DAMAGE TO ADJACENT PROPERTIES. TEMPORARY DRAINAGE CONTROL SHALL CONSIST OF, BUT NOT BE LIMITED TO, CONSTRUCTING SUCH FACILITIES AND TAKING SUCH MEASURES AS ARE NECESSARY TO PREVENT, CONTROL AND ABATE WATER, MUD AND EROSION DAMAGE TO PUBLIC AND PRIVATE PROPERTY AS A RESULT OF THE CONSTRUCTION OF THIS PROJECT.
 19. FILL AREAS WHILE BEING BROUGHT UP TO GRADE AND DURING PERIODS OF COMPLETION PRIOR TO FINAL GRADE, SHALL BE PROTECTED BY VARIOUS MEASURES TO ELIMINATE EROSION AND THE SILTATION OF DOWNSTREAM FACILITIES AND ADJACENT AREAS. THESE MEASURES MAY INCLUDE, BUT SHALL NOT BE LIMITED TO: TEMPORARY DOWN DRAINS, EITHER IN THE FORM OF PIPES OR PAVED DITCHES TO DESILT RUNOFF; PROTECTION SUCH AS SAND BAGS AROUND INLETS WHICH HAVE NOT BEEN BROUGHT UP TO GRADE; AND EARTH BERMS AND APPROPRIATE GRADING TO DIRECT DRAINAGE AWAY FROM THE EDGE OF THE TOP OF SLOPES SHALL BE CONSTRUCTED AND MAINTAINED ON THOSE FILL AREAS WHERE EARTHWORK OPERATIONS ARE NOT IN PROGRESS.
 20. CLEARING AND GRUBBING SHOULD BE LIMITED TO AREAS THAT WILL RECEIVE IMMEDIATE GRADING. EROSION CONTROL MEASURES WILL BE REQUIRED TO PROTECT AREAS WHICH HAVE BEEN CLEARED AND GRUBBED PRIOR TO GRADING OPERATION, AND WHICH ARE SUBJECT TO RUNOFF DURING A RAIN EVENT. THESE MEASURES MAY INCLUDE BUT SHALL NOT BE LIMITED TO: GRADED DITCHES; BRUSH BARRIERS AND SILT FENCES. CARE SHALL BE EXERCISED TO PRESERVE VEGETATION BEYOND LIMITS OF GRADING.
 21. CONSTRUCTION SITES SHALL BE MANAGED TO MINIMIZE THE EXPOSURE TIME OF DISTURBED SOIL AREAS THROUGH PHASING AND SCHEDULING OF GRADING TO THE EXTENT FEASIBLE AND THE USE OF TEMPORARY AND PERMANENT SOIL STABILIZATION.
 22. STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO ELIMINATE OR REDUCE SEDIMENT TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES OR ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TRACKING, OR WIND.
 23. CONSTRUCTION SITES SHALL BE MAINTAINED IN SUCH A CONDITION THAT WIND OR RUNOFF DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE TO STREETS, DRAINAGE FACILITIES OR ADJOINING PROPERTIES.
 24. DISCHARGES OTHER THAN STORM WATER (NON-STORM WATER DISCHARGES) ARE PROHIBITED, EXCEPT AS AUTHORIZED BY AN INDIVIDUAL NPDES PERMIT. THE STATEWIDE GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY, OR OTHER APPLICABLE GENERAL NPDES PERMIT. POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SOLID OR LIQUID CHEMICAL SPILLS; WASTES FROM PAINTS, STAINS, SEALANTS, SOLVENTS, DETERGENTS, GLUES, LIME, PESTICIDES, HERBICIDES, FERTILIZERS, WOOD PRESERVATIVES, AND ASBESTOS FIBERS, PAINT FLAKES OR STUCCO FRAGMENTS; FUELS, OILS, LUBRICANTS, AND HYDRAULIC, RADIATOR OR BATTERY FLUIDS; CONCRETE AND RELATED CUTTING OR CURING RESIDUES; FLOATABLE WASTES; WASTES FROM STREET CLEANING; SUPER-CHLORINATED POTABLE WATER FROM LINE FLUSHING AND TESTING; AND RUNOFF FROM EQUIPMENT AND VEHICLE WASHING. DURING CONSTRUCTION, DISPOSAL OF SUCH MATERIALS SHOULD OCCUR IN A SPECIFIED AND CONTROLLED TEMPORARY AREA ON-SITE PHYSICALLY SEPARATED FROM POTENTIAL STORM WATER RUNOFF, WITH ULTIMATE DISPOSAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.
 25. AT THE END OF EACH DAY OF CONSTRUCTION ACTIVITY ALL CONSTRUCTION DEBRIS AND WASTE MATERIALS SHALL BE COLLECTED AND PROPERLY DISPOSED IN TRASH OR RECYCLE BINS.
 26. PAVED STREETS, SIDEWALKS AND OTHER IMPROVEMENTS SHALL BE MAINTAINED IN A NEAT AND CLEAN CONDITION, FREE OF LOOSE SOIL, CONSTRUCTION DEBRIS AND TRASH. STREET SWEEPING OR OTHER EQUALLY EFFECTIVE MEANS SHALL BE USED ON A REGULAR BASIS TO CONTROL SILT THAT HAS BEEN DEPOSITED ON STREETS OR SIDEWALKS. WATERING SHALL NOT BE USED TO CLEAN STREETS.
 27. DISCHARGING CONTAMINATED GROUNDWATER PRODUCED BY DEWATERING GROUNDWATER THAT HAS INFILTRATED INTO THE CONSTRUCTION SITE IS PROHIBITED. DISCHARGING OF CONTAMINATED SOILS VIA SURFACE EROSION IS ALSO PROHIBITED. DISCHARGING NON-CONTAMINATED GROUNDWATER PRODUCED BY DEWATERING ACTIVITIES MAY REQUIRE A NPDES PERMIT FROM THE SANTA ANA REGIONAL BOARD.
 28. ALL CONSTRUCTION CONTRACTOR AND SUBCONTRACTOR PERSONNEL ARE TO BE MADE AWARE OF THE REQUIRED BEST MANAGEMENT PRACTICES AND GOOD HOUSEKEEPING MEASURES FOR THE PROJECT SITE AND ANY ASSOCIATED CONSTRUCTION STAGING AREAS.



CONSTRUCTION NOTES:		QUANTITIES:	
50	INSTALL SANDBAG DRAIN PROTECTION PER DETAIL HEREON	142	L.F.
51	CONST. INGRESS/EGRESS WITH CORRESPONDING EROSION CONTROL BMP'S AS APPROVED BY PUBLIC WORKS INSPECTOR	1	EA.
52	INSTALL STRAW ROLL PER DETAIL HEREON	342	L.F.
53	PERIMETER SILT FENCE PER DETAIL HERE ON	1032	L.F.

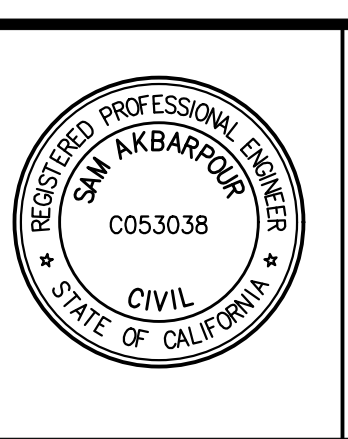
SAKE ENGINEERS, INC.
 ENGINEERING • SURVEYING • LAND DEVELOPMENT
 400 S. RAMONA AVE., STE. 202
 CORONA, CALIFORNIA 92879
 (951) 279-4041

NO.	REVISIONS BY	APPR.	DATE	T.B.M.
				BENCH MARK:
				BASIS OF BEARING:

DRAWN	DATE
IH	4/12/2024
JOB NO.	GB-07-___

CITY OF COACHELLA PUBLIC WORKS

PREPARED UNDER THE DIRECT SUPERVISION OF:
 SAM AKBARPOUR
 RCE C 53038 EXP. 6/30/2025

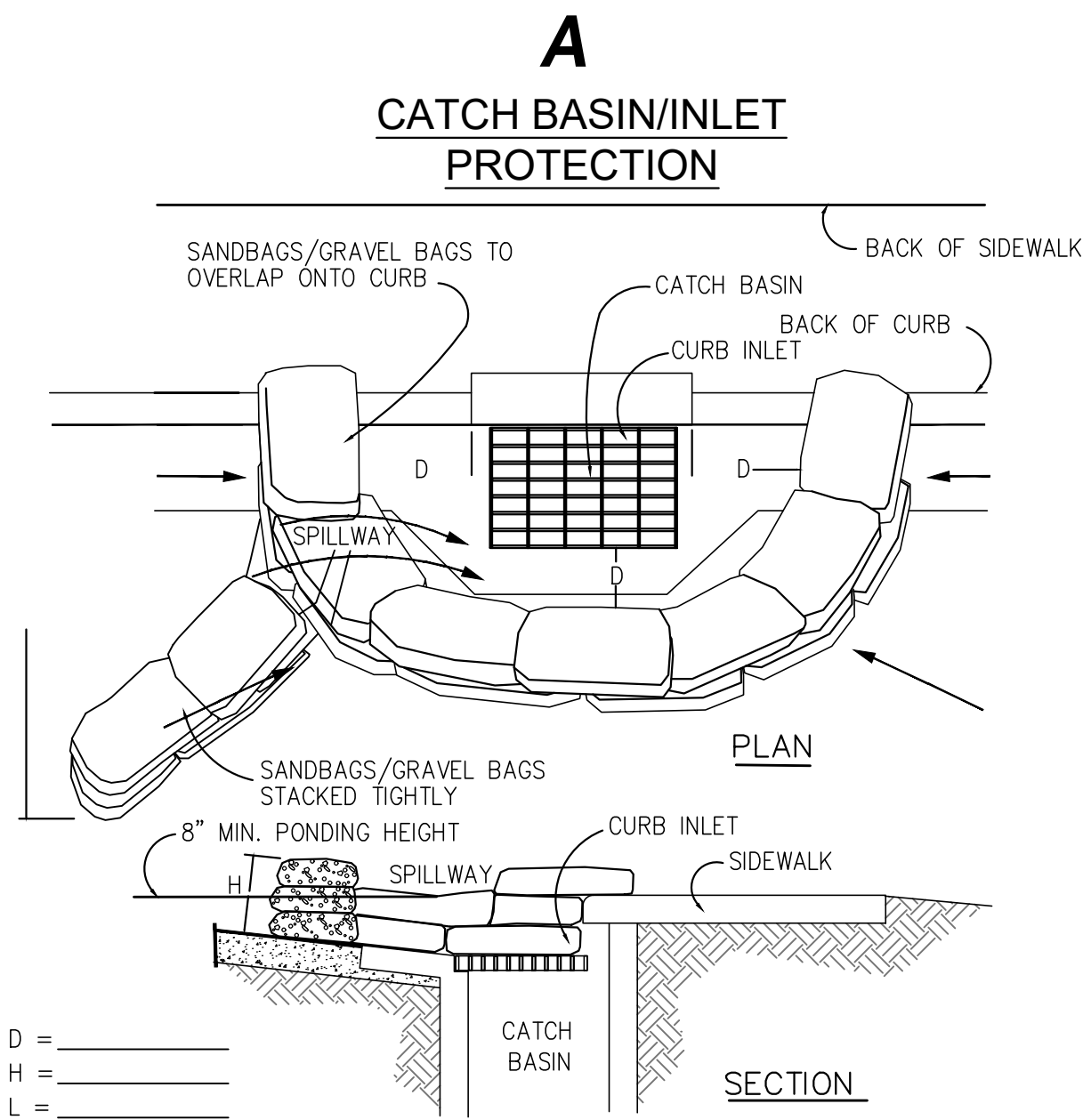


RECOMMENDED FOR APPROVAL BY:
 NOEL OWSLEY
 RCE NO. 39827
 DATE EXP. DATE: 12-31-25

CITY OF COACHELLA
 APPROVED FOR CONSTRUCTION:
 JONATHAN D. HOY RCE NO. 63526 EXP. 9-30-24
 APPROVED BY:
 J. LUIS LOPEZ - PLANNING DIRECTOR

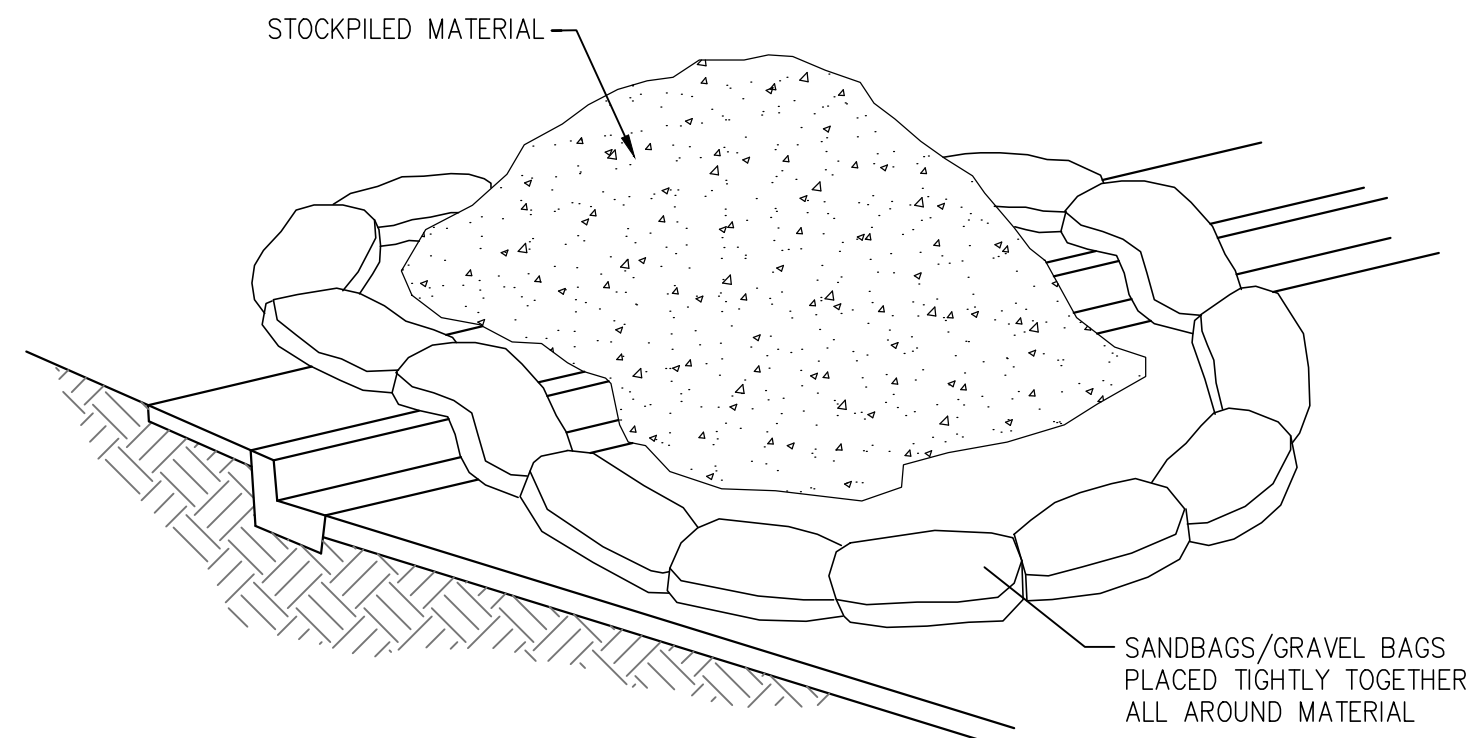
CITY OF COACHELLA
 PROJECT DESCRIPTION:
 GRADING PLAN
 SITE ADDRESS: 84650 49TH AVENUE COACHELLA, CA 92236
 LEGAL DESCRIPTION: POR LOT D MB 005/126 SUB OF SEC 31 T5S R8E.
 SEC. 31 T. 5 S., R. 8 E., S.B.B. &M A.P.N. 603-250-014

G-3
 OF 4 SHEETS



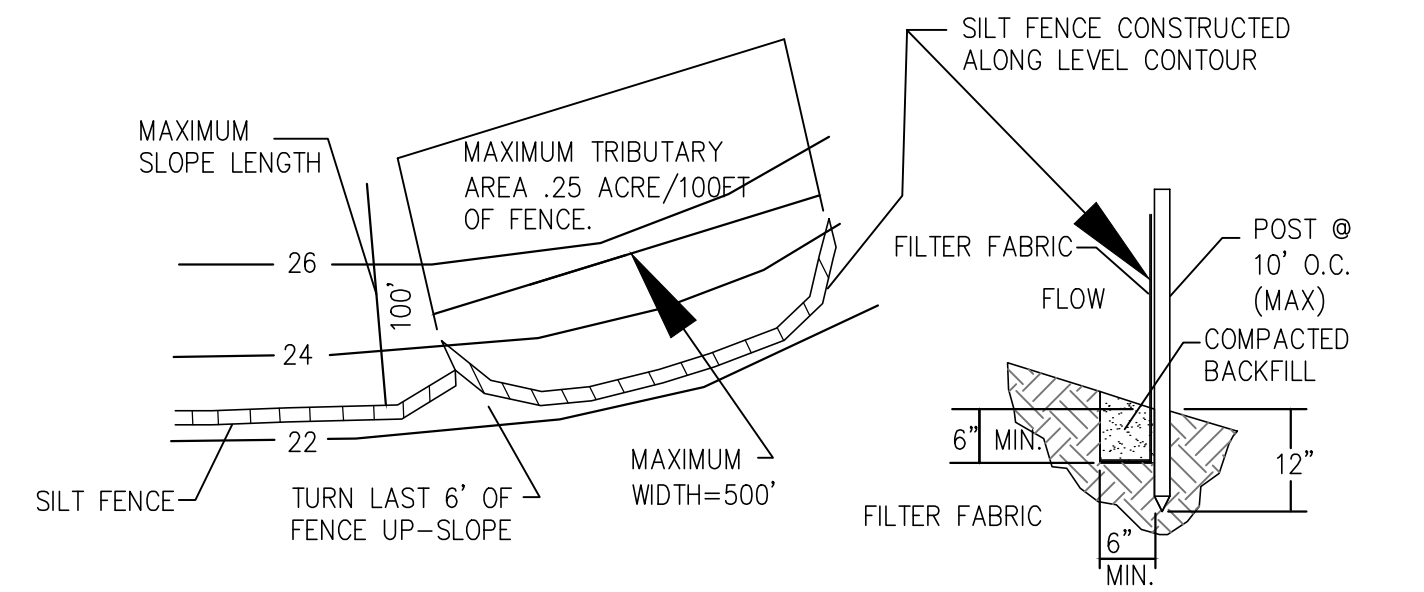
- NOTES:**
- CATCH BASIN/INLET PROTECTION SHALL BE INSTALLED WHEREVER THERE IS A POTENTIAL OF STORMWATER OR NON-STORMWATER BEING DISCHARGED INTO IT.
 - INLET PROTECTION IS REQUIRED ALONG WITH OTHER POLLUTION PREVENTION MEASURES SUCH AS; EROSION CONTROL, SOIL STABILIZATION, AND MEASURES TO PREVENT TRACKING ONTO PAVED SURFACES.
 - MODIFY INLET PROTECTION AS NEEDED TO AVOID CREATING TRAFFIC HAZARDS.
 - INCLUDE INLET PROTECTION MEASURES AT HILLSIDE V-DITCHES AND MISC. DRAINAGE SWALES.
 - INLET PROTECTION SHALL BE INSPECTED AND ACCUMULATED SEDIMENTS REMOVED. SEDIMENT SHALL BE DISPOSED OF PROPERLY AND IN A MANNER THAT ASSURES THAT THE SEDIMENT DOES NOT ENTER THE STORM DRAIN SYSTEM.
 - DAMAGED BAGS SHALL BE REPLACED IMMEDIATELY.
 - ADDITIONAL SANDBAG SEDIMENT TRAPS SHALL BE PLACED AT INTERVALS AS INDICATED ON SITE PLAN.

E MATERIAL STORAGE



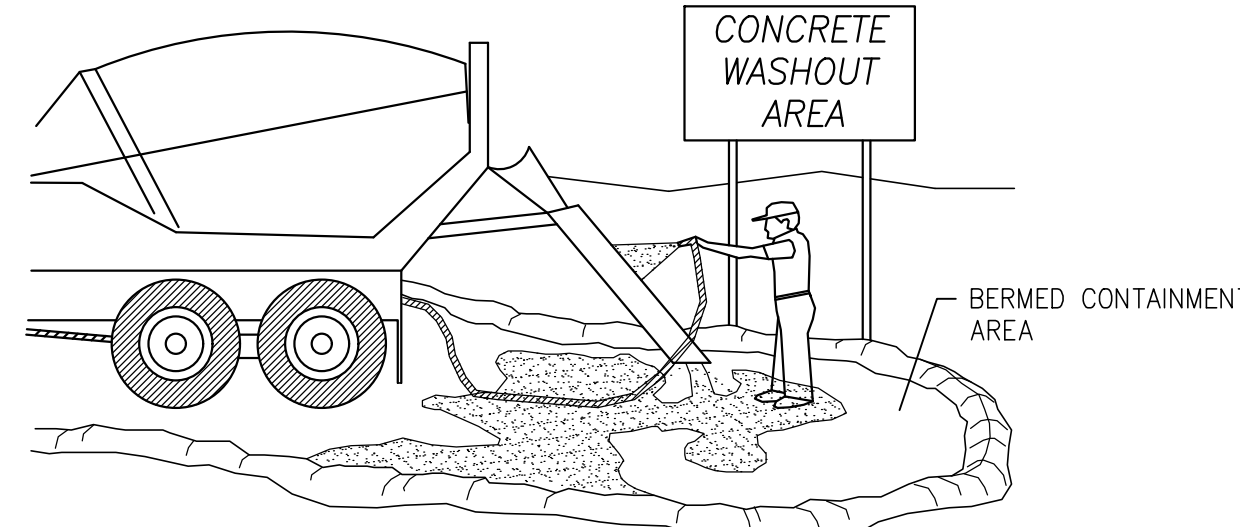
- NOTES:**
- DIRT AND OTHER CONSTRUCTION RELATED MATERIALS PLACED IN THE STREET OR ON OTHER IMPERVIOUS SURFACES MUST BE CONTAINED WITH SANDBAGS OR OTHER MEASURES TO PREVENT TRANSPORT TO THE STORMDRAIN SYSTEM.
 - ANY CONSTRUCTION MATERIAL STORED OR STOCKPILED ON-SITE SHALL BE PROTECTED FROM BEING TRANSPORTED BY THE FORCE OF WIND OR WATER.

B SILT FENCE



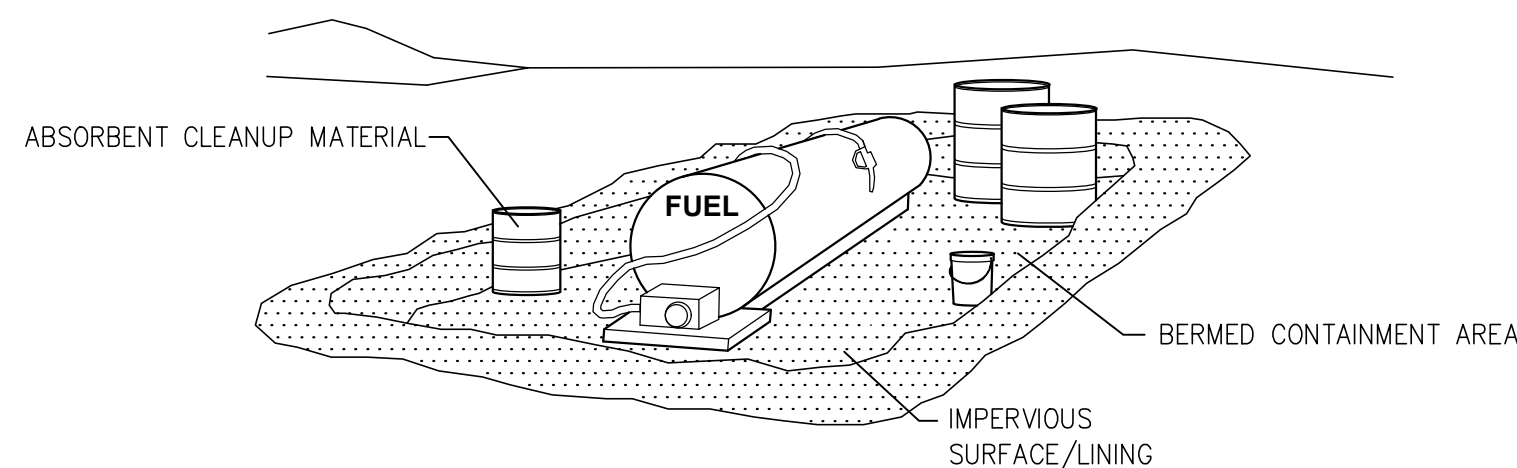
- NOTES:**
- CONSTRUCT THE SILT FENCE ALONG A LEVEL CONTOUR.
 - SILT FENCES SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED.
 - PROVIDE SUFFICIENT ROOM FOR RUNOFF TO POND BEHIND THE FENCE AND ALLOW SEDIMENT REMOVAL EQUIPMENT TO PASS BETWEEN THE SILT FENCE AND TOE OF SLOPE OR OTHER OBSTRUCTIONS. ABOUT 1200 SQ. FT. OF PONDING AREA SHALL BE PROVIDED FOR EVERY ACRE DRAINING TO THE FENCE.
 - TURN THE ENDS OF THE FILTER FENCE UPHILL TO PREVENT STORMWATER FROM FLOWING AROUND THE FENCE.
 - LEAVE AN UNDISTURBED OR STABILIZED AREA IMMEDIATELY DOWNSLOPE FROM THE FENCE.
 - DO NOT PLACE IN LIVE STREAM OR INTERMITTENTLY FLOWING CHANNELS.
 - WHEN STANDARD FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES OR HOG RINGS.

F CONCRETE WASTE MANAGEMENT



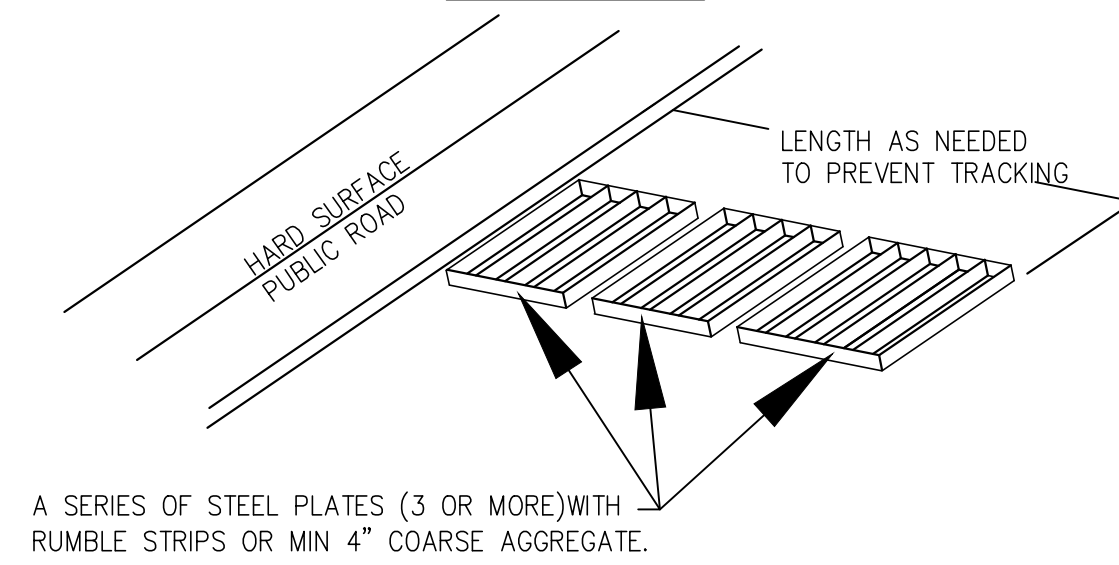
- USE METAL CONTAINER FOR CONCRETE WASHOUT**
- NOTES:**
- EXCESS AND WASTE CONCRETE SHALL NOT BE WASHED INTO THE STREET OR INTO A DRAINAGE SYSTEM.
 - FOR WASHOUT OF CONCRETE AND MORTAR PRODUCTS, A DESIGNATED CONTAINMENT FACILITY OF SUFFICIENT CAPACITY TO RETAIN LIQUID AND SOLID WASTE SHALL BE PROVIDED ON SITE.
 - SLURRY FROM CONCRETE AND ASPHALT SAW CUTTING SHALL BE VACUUMED OR CONTAINED, DRIED, PICKED UP AND DISPOSED OF PROPERLY.

G VEHICLE/EQUIPMENT FUELING



- NOTES:**
- FUELING SHALL BE PERFORMED IN A DESIGNATED AREA, AWAY FROM DRAINAGE COURSES.
 - ABSORBENT CLEANUP MATERIAL SHALL BE ON SITE AND USED IMMEDIATELY IN THE EVENT OF A SPILL.

C STABILIZED CONSTRUCTION ENTRANCE

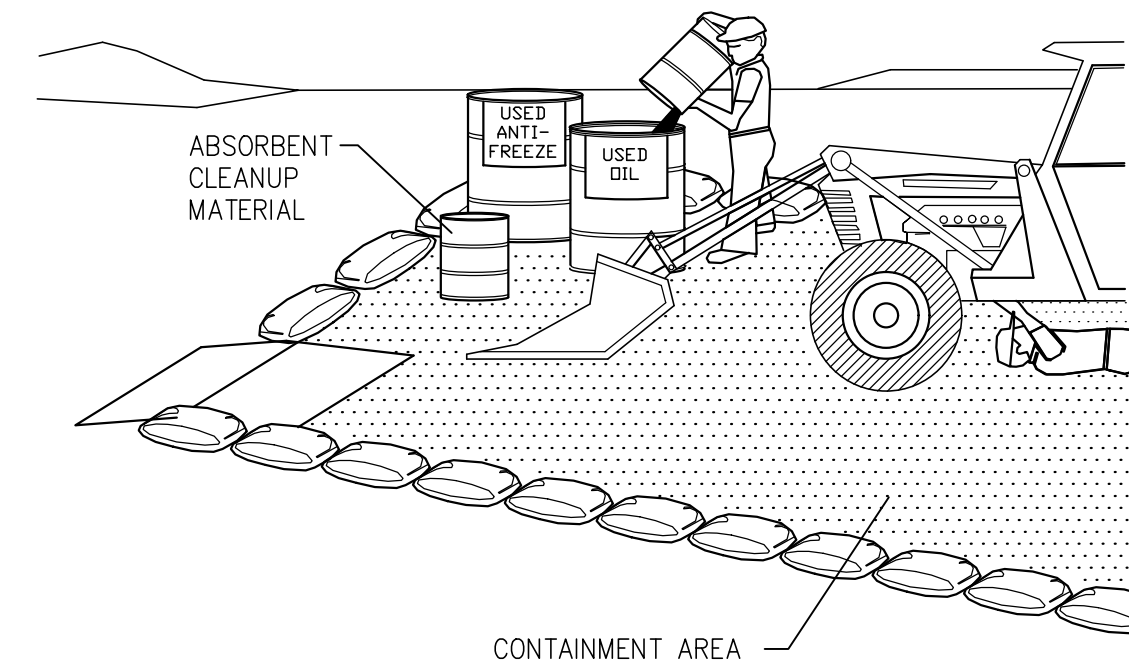


- NOTES:**
- SEDIMENTS AND OTHER MATERIALS SHALL NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS SHALL BE STABILIZED SO AS TO PREVENT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC ROADS. DEPOSITIONS MUST BE SWEEPED UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS INTO THE STORM DRAIN SYSTEM.
 - STABILIZED CONSTRUCTION ENTRANCE SHALL BE:
 - LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT OF WAY, STREET, ALLEY, AND SIDEWALK OR PARKING AREA.
 - A SERIES OF STEEL PLATES WITH "RUMBLE STRIPS", AND/OR MIN 4" COARSE AGGREGATE WITH LENGTH, WIDTH & THICKNESS AS NEEDED TO ADEQUATELY PREVENT ANY TRACKING ONTO PAVED SURFACES.
 - ADDING A WASH RACK WITH A SEDIMENT TRAP LARGE ENOUGH TO COLLECT ALL WASH WATER CAN GREATLY IMPROVE EFFICIENCY.
 - ALL VEHICLES ACCESSING THE CONSTRUCTION SITE SHALL UTILIZE THE STABILIZED CONSTRUCTION ENTRANCE SITES.

STREET MAINTENANCE

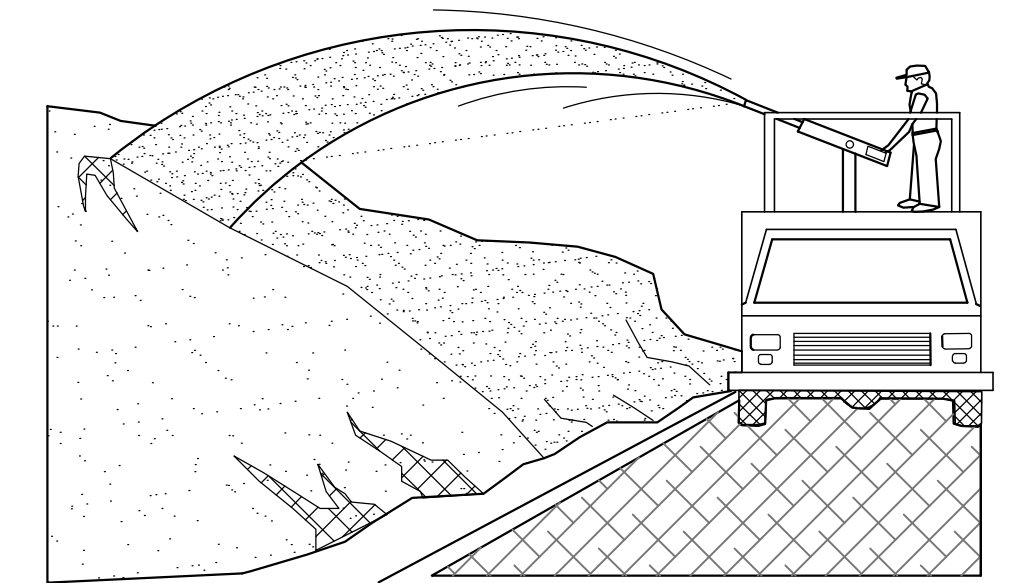
- REMOVE ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS IMMEDIATELY.
- SWEEP PAVED AREAS THAT RECEIVE CONSTRUCTION TRAFFIC WHENEVER SEDIMENT BECOMES VISIBLE.
- PAVEMENT WASHING WITH WATER IS PROHIBITED IF IT RESULTS IN A DISCHARGE TO THE STORM DRAIN SYSTEM.

H EQUIPMENT REPAIR/MAINTENANCE



- NOTES:**
- LEAKING VEHICLES AND EQUIPMENT SHALL NOT BE ALLOWED ON-SITE. EQUIPMENT AND VEHICLES SHALL BE INSPECTED FREQUENTLY FOR LEAKS AND SHALL BE REPAIRED IMMEDIATELY. CLEAN UP SPILLS AND LEAKS PROMPTLY WITH ABSORBENT MATERIALS; DO NOT FLUSH WITH WATER.
 - VEHICLES AND EQUIPMENT SHALL BE MAINTAINED, AND REPAIRED ON-SITE ONLY IN DESIGNATED AREAS. PREVENT RUN-ON AND RUN-OFF FROM DESIGNATED AREAS. CONTAINMENT DEVICES SHALL BE PROVIDED AND AREAS SHALL BE COVERED IF NECESSARY.
 - DESIGNATE ON-SITE VEHICLE AND EQUIPMENT MAINTENANCE AREAS, AWAY FROM STORM DRAIN INLETS AND WATERCOURSES.
 - ALWAYS USE SECONDARY CONTAINMENT, SUCH AS A DRAIN PAN OR DROP CLOTH, TO CATCH SPILLS AND LEAKS WHEN REMOVING OR CHANGING FLUIDS.
 - LEGALLY DISPOSE OF USED OILS, FLUIDS, AND LUBRICANTS.
 - PROVIDE SPILL CONTAINMENT DIKES OR SECONDARY CONTAINMENT AROUND STORED OIL, FUEL, AND CHEMICAL DRUMS.
 - MAINTAIN AN ADEQUATE SUPPLY OF ABSORBENT SPILL CLEANUP MATERIALS IN DESIGNATED AREA.

D EROSION CONTROL



- NOTES:**
- SOIL/SLOPE STABILIZATION PRACTICES SHALL BE DESIGNED TO PRESERVE EXISTING VEGETATION WHERE FEASIBLE AND TO REVEGETATE OPEN AREAS AS SOON AS FEASIBLE AFTER GRADING. THESE CONTROL PRACTICES SHALL INCLUDE TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, SOIL STABILIZATION, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES, OR OTHER SOIL STABILIZATION PRACTICES.
 - SOIL STABILIZATION SHALL BE IMPLEMENTED ON ALL INACTIVE DISTURBED AREAS FROM NOVEMBER 1 THRU APRIL 15 AND ON ALL DISTURBED AREAS DURING A RAIN EVENT OR POTENTIAL RAIN.
 - STABILIZATION PRACTICES SHALL CONTROL/PREVENT EROSION FROM THE FORCES OF WIND AND WATER.
 - STABILIZATION PRACTICES SHALL BE IMPLEMENTED IN CONJUNCTION WITH SEDIMENT TRAPPING/FILTERING PRACTICES AND PRACTICES TO REDUCE THE TRACKING OF SEDIMENT ONTO PAVED ROADS.
 - WHEN USING STRAW MULCHING, THE MINIMUM APPLICATION SHALL BE 2 TONS/ACRE. MULCH MUST BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER.
 - WHEN USING HYDROSEEDING/MULCHING, THE MINIMUM APPLICATION OF WOOD FIBER SHALL BE 1,500 LBS/ACRE. THAT DOES NOT CONTAIN MORE THAN 50 PERCENT NEWSPRINT.
 - FOR SEEDING RECOMMENDATIONS, CONTACT: USDA, NATURAL RESOURCES CONSERVATION SERVICE OR VENTURA COUNTY RCD.

STORMWATER POLLUTION CONTROL PLAN

GENERAL NOTES

- BEST MANAGEMENT PRACTICES (BMP'S) CONTAINED HEREIN REFLECT MINIMUM REQUIREMENTS. FOR ADDITIONAL BMP'S REFER TO CALIFORNIA STORMWATER BMP HANDBOOKS.
- ALL CONSTRUCTION ACTIVITY SHALL BE PERFORMED IN ACCORDANCE WITH A STORMWATER POLLUTION CONTROL PLAN (SWPCP) DEVELOPED AND IMPLEMENTED IN COMPLIANCE WITH REQUIREMENTS OF THE ORANGE COUNTYWIDE STORMWATER QUALITY MANAGEMENT PROGRAM, NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT NO.
- THE SWPCP SHALL:
 - IDENTIFY POTENTIAL POLLUTANT SOURCES AND INCLUDE THE DESIGN AND PLACEMENT OF BMP'S TO EFFECTIVELY PROHIBIT THE ENTRY OF POLLUTANTS FROM THE CONSTRUCTION SITE INTO AND ONTO THE STREET AND STORM DRAIN SYSTEM DURING CONSTRUCTION.
 - BE KEPT ON SITE AND AMENDED TO REFLECT CHANGING CONDITIONS THROUGHOUT THE COURSE OF CONSTRUCTION.
 - BE KEPT UP TO DATE. ANY ADDITIONAL UPDATES REQUESTED BY AGENCY REPRESENTATIVES ARE TO BE MADE IMMEDIATELY.
- NON-STORMWATER DISCHARGES ARE PROHIBITED FROM ENTERING ANY STORM DRAIN SYSTEM AND/OR STREET.
- DISCHARGES OF PUMPED GROUND WATER REQUIRE A DISCHARGE PERMIT FROM THE STATE OF CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD (RWQCB).
- POLLUTANTS SHALL BE REMOVED FROM STORMWATER DISCHARGES TO THE MAXIMUM EXTENT PRACTICABLE (MEP) THROUGH DESIGN & IMPLEMENTATION OF THE SWPCP.
- A STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (NOV. 1 TO APR. 15). NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN IS IMMINENT.
- PORTABLE SANITARY FACILITIES SHALL BE LOCATED ON RELATIVELY LEVEL GROUND AWAY FROM TRAFFIC AREAS, DRAINAGE COURSES, AND STORM DRAIN INLETS.
- EMPLOYEES, SUBCONTRACTORS AND SUPPLIERS SHALL BE EDUCATED ON ALL BMP'S INCLUDING CONCRETE WASTE STORAGE AND DISPOSAL PROCEDURES.
- SEDIMENT CONTROL PRACTICES SHALL EFFECTIVELY PREVENT A NET INCREASE OF SEDIMENT LOAD IN STORMWATER DISCHARGE.



SAKE ENGINEERS, INC. ENGINEERING • SURVEYING • LAND DEVELOPMENT 400 S. RAMONA AVE., STE. 202 CORONA, CALIFORNIA 92779 (951) 279-4041	NO.	REVISIONS BY	APPR. DATE	T.B.M.	DRAWN IH	PUBLIC WORKS PREPARED UNDER THE DIRECT SUPERVISION OF: SAM AKBARPOUR DATE RCE C 53038 EXP. 6/30/2025	RECOMMENDED FOR APPROVAL BY: NOEL OWSLEY RCE NO. 39827 DATE EXP. DATE: 12-31-25	CITY OF COACHELLA APPROVED FOR CONSTRUCTION: JONATHAN D. HOY RCE NO. 63526 EXP. 9-30-24 APPROVED BY: J. LUIS LOPEZ - PLANNING DIRECTOR	CITY OF COACHELLA GRADING PLAN PROJECT DESCRIPTION: SITE ADDRESS: 84650 49TH AVENUE COACHELLA, CA 92236 LEGAL DESCRIPTION: POR LOT D MB 005/126 SUB OF SEC 31 T5S R8E. SEC. 31 T. 5 S., R. 8 E., S.B.B. &M A.P.N. 603-250-014	G-4 OF 4 SHEETS
				BENCH MARK:	DATE 4/12/2024					
				BASIS OF BEARING:	JOB NO. GB-07-___					