- 1. ALL REFERENCED SPECIFICATIONS, CODES, DRAWINGS AND DETAILS SHALL BE INCORPORATED INTO THESE PLANS AND MADE A PART HEREOF AS IF SPELLED OUT OR DELINEATED IN THEIR ENTIRETY HEREON.
- 2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE PROJECT'S CONDITIONS OF APPROVAL AND ABIDE BY THEIR REQUIREMENTS AS APPLICABLE.
- 3. BEFORE BEGINNING WORK, THE CONTRACTOR SHALL CONTACT THE UNIVERSITY'S REPRESENTATIVE (U.R.), AND SHALL DETERMINE FROM EACH: (1) SCOPE OF WORK TO BE OBSERVED AND BY WHOM, (2) SCOPE OF TESTING, AND (3) ADVANCE NOTICE REQUIRED (MINIMUM OF 48 HOURS). DURING THE COURSE OF WORK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR OBSERVATION AND TESTING AS STIPULATED PURSUANT TO ABOVE DETERMINATIONS. WORK NOT OBSERVED AND TESTED WILL BE SUBJECT TO REJECTION.
- 4. BEFORE BEGINNING WORK, THE CONTRACTOR SHALL DETERMINE OR VERIFY THE LOCATION AND FLOWLINE ELEVATION OF ALL EXISTING WATER, SEWER, AND DRAINAGE STRUCTURES AND/OR CONDUITS, IF DIFFERENCES ARE OBSERVED THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE U.R. BY PHONE AND IN WRITING.
- 5. EXISTING PERMANENT SURVEY MONUMENTS SHOWN ON THE PLANS, INCLUDING PROPERTY CORNERS AND BENCHMARKS, SHALL BE PRESERVED BY THE CONTRACTOR OR SHALL BE TIED-OUT PRIOR TO CONSTRUCTION AND RE-SET AFTER CONSTRUCTION BY A LICENSED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- 6. AREAS TO RECEIVE FILL MATERIAL AND AREAS TO RECEIVE WALLS, PAVEMENT, SIDEWALKS AND OTHER STRUCTURAL IMPROVEMENTS SHALL BE PREPARED AS RECOMMENDED BY, AND UNDER THE OBSERVATION AND TESTING OF THE U.R. RECOMMENDATIONS FOR OVER—EXCAVATION, ADDITIONAL SCARIFICATION, BACKFILL AND RECOMPACTION ARE CONTAINED IN THE PROJECT SOILS REPORT.
- 7. IF NOT DIMENSIONED, LOCATION OF FINISH GRADE ELEVATIONS AND FEATURES SUCH AS SWALES, RIDGE LINES, ETC. SHALL BE DETERMINED BY SCALE FROM KNOWN POINTS SHOWN ON THE PLANS. UNIFORM GRADIENTS OR VERTICAL CURVES, AS APPROPRIATE, SHALL BE ASSUMED BETWEEN CONTROL ELEVATIONS SHOWN ON THE PLANS.
- 8. ALL EXCESS EARTH, ASPHALT PIECES, ETC. (SPOILS) SHALL BE TRANSPORTED OFF CAMPUS AND DISPOSED OF LEGALLY.
- 9. ACTUAL CONSTRUCTION HOURS ARE FROM 7:30 AM TO 5:00 PM, MONDAY THRU FRIDAY.
- 10. SAWCUTTING OF EXISTING PAVEMENT SHALL BE TO A CLEAN STRAIGHT EDGE AS REQUIRED FOR PROJECT CONSTRUCTION.
- 11. CONTRACTOR SHALL POTHOLE AND VERIFY ALL EXISTING UTILITIES, INCLUDING MAINS AND LATERALS, WITHIN PROJECT SITE PRIOR TO CONSTRUCTION AND REPORT ANY CONFLICTS TO THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL PROPOSE ANY HORIZONTAL REALIGNMENT AND/OR VERTICAL ADJUSTMENT FOR UTILITY LINE DESIGN TO THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER OR PROJECT.
- 12. CONTRACTOR SHALL PREPARE AND PERFORM CONSTRUCTION STAKING BASED ON THE ALIGNMENT AND VERTICAL GRADE AS SHOWN ON THE DRAWINGS. ANY ALIGNMENT AND VERTICAL GRADE ADJUSTMENTS SHALL BE PRIOR APPROVED BY THE U.R.
- 13. ADJUST EXISTING UTILITIES, I.E. VALVE CANS, VAULT FRAMES AND COVERS, MANHOLE FRAME AND COVER CATCH BASIN, CLEANOUTS, ETC. TO FINISH GRADE (TYP. FOR ALL UTILITY SURFACE FEATURES FOR THIS PROJECT).

### GENERAL REQUIREMENTS OF CONTRACTOR

- 1. THE CONTRACTOR SHALL MAINTAIN A COMPLETE AND ACCURATE RECORD OF ALL CHANGES OF CONSTRUCTION FROM THAT SHOWN IN THESE PLANS AND SPECIFICATIONS FOR THE PURPOSE OF PROVIDING A BASIS FOR CONSTRUCTION RECORD DRAWINGS. NO CHANGES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE U.R. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL DELIVER THIS RECORD OF ALL CONSTRUCTION CHANGES TO THE U.R. ALONG WITH A LETTER WHICH DECLARES THAT THE PROJECT WAS CONSTRUCTED IN CONFORMANCE WITH THE APPROVED PLANS, SPECIFICATIONS AND APPROVED CHANGE CAUTION: THE ENGINEER WHO PREPARED THESE PLANS WILL NOT BE RESPONSIBLE OR LIABLE FOR UNAUTHORIZED CHANGES OR USES OF THESE PLANS. ALL CHANGES TO THESE PLANS MUST BE APPROVED IN WRITING BY THE U.R.
- 2. THE CONTRACTOR SHALL PROMPTLY NOTIFY THE U.R. BY PHONE AND IN WRITING UPON DISCOVERY OF, AND BEFORE DISTURBING, ANY PHYSICAL CONDITIONS DIFFERING FROM THOSE REPRESENTED BY APPROVED PLANS
- 3. THE CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES. THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. AND CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONALS AND UNIVERSITY HARMLESS FROM ALL LIABILITY AND CLAIMS, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONALS.
- 4. THE CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR PROTECTION OF ALL ADJACENT PROPERTIES AND IMPROVEMENTS IN THE VICINITY OF THE JOB SITE AND FURTHER AGREES TO, AT CONTRACTOR'S EXPENSE, REPAIR OR REPLACE TO THE ORIGINAL CONDITION, ALL EXISTING IMPROVEMENTS WITHIN OR IN THE VICINITY OF THE JOB SITE WHICH ARE NOT DESIGNATED FOR REMOVAL AND WHICH ARE DAMAGED OR REMOVED AS A RESULT OF CONTRACTOR'S OPERATIONS.
- 5. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VEHICULAR AND PEDESTRIAN TRAFFIC CONTROL AND SAFETY AND SHALL FURNISH, INSTALL, AND MAINTAIN SUCH FENCING, SIGNS, LIGHTS, TRENCH PLATES, BARRICADES, AND/OR OTHER PROTECTION AS IS NECESSARY FOR SAID CONTROL AND SAFETY.
- 6. EXISTING BURIED CONDUITS AND STRUCTURES KNOWN TO THE ENGINEER ARE SHOWN ON THESE PLANS. HOWEVER, ALL SUCH CONDUITS AND STRUCTURES MAY NOT BE SHOWN AND THE LOCATIONS OF THOSE SHOWN ARE APPROXIMATE ONLY AND HAVE NOT NECESSARILY BEEN INDEPENDENTLY VERIFIED BY THE PREPARER OF THESE PLANS.
- 7. THE CONTRACTOR SHALL INDEPENDENTLY VERIFY THE PRESENCE OF BURIED CONDUITS AND STRUCTURES. BOTH ACTIVE AND ABANDONED-IN-PLACE AND, BEFORE COMMENCING WORK, CONTRACTOR SHALL DETERMINE THE EXACT LOCATION INCLUDING DEPTHS OF ALL EXISTING UNDERGROUND UTILITIES, CONDUITS AND STRUCTURES, INCLUDING SERVICE CONNECTIONS, WHICH MAY AFFECT OR BE AFFECTED BY HIS OPERATIONS. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH OCCUR AS A RESULT OF CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES, CONDUITS AND STRUCTURES.
- 8. UPON ENCOUNTERING EXISTING BURIED CONDUITS OR STRUCTURES NOT SHOWN OR LOCATED DIFFERENTLY THAN SHOWN ON THE PLANS, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE U.R. AND THE OWNER OF THE CONDUIT OR STRUCTURE BY PHONE AND IN WRITING. IF SUCH CONDUIT OR STRUCTURE AFFECTS OR IS AFFECTED BY THE WORK, CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION AND DIRECTION BEFORE PROCEEDING WITH THE WORK, EXCEPTING THAT IN AN EMERGENCY AFFECTING SAFETY OF LIFE, WORK OR ADJACENT PROPERTY, CONTRACTOR SHALL ACT AT ONCE WITHOUT INSTRUCTIONS TO PREVENT INJURY OR
- 9. ALL DAMAGE CAUSED TO PUBLIC STREETS, INCLUDING HAUL ROUTES, ALLEYS, SIDEWALKS, CURBS OR STREET FURNISHINGS, OR TO PRIVATE PROPERTY SHALL BE REPAIRED AT THE SOLE EXPENSE OF THE CONTRACTOR TO THE U.R.'S SATISFACTION.

# TRENCHING AND BACKFILLING NOTES

PROTECTION AS IS NECESSARY TO PREVENT FAILURE OF TRENCH.

CAUTION

- 1. WATER ENCOUNTERED IN TRENCH OR STRUCTURE EXCAVATION SHALL BE REMOVED BY THE CONTRACTOR TO THE SATISFACTION OF THE U.R. TO PROVIDE DRY CONDITIONS DURING CONSTRUCTION OF PIPE OR STRUCTURE.
- 2. TRENCH OR STRUCTURE EXCAVATION SUBGRADE SHALL BE OBSERVED BY THE U.R. PRIOR TO PLACEMENT OF BEDDING MATERIAL OR FORMS. WET OR UNSTABLE SOIL ENCOUNTERED IN THE BOTTOM OF THE EXCAVATION AND DEEMED BY THE U.R. TO BE INCAPABLE OF PROPERLY SUPPORTING THE PIPE OR STRUCTURE BEING CONSTRUCTED, SHALL BE REMOVED TO THE DEPTH RECOMMENDED BY THE U.R. AND THE EXCAVATION BACKFILLED TO THE BOTTOM OF THE PIPE OR STRUCTURE GRADE WITH SUITABLE MATERIAL RECOMMENDED BY THE U.R.
- 3. ALL WORK INVOLVING EXCAVATION FOR STORM DRAIN CONDUITS AND LATERAL CONNECTIONS SHALL BE COMPLETED, OBSERVED AND APPROVED BY THE U.R. AND THE STRUCTURAL BACKFILL OBSERVED, TESTED FOR COMPACTION AND APPROVED BEFORE AGGREGATE BASE. PAVING OR OTHER PERMANENT SURFACE CONSTRUCTION MAY COMMENCE.
- 4. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH APPLICABLE HEALTH AND SAFETY LAWS, ORDINANCES, REGULATIONS, RULES, AND STANDARDS INCLUDING ALL REQUIREMENTS OF THE STATE OF
- CALIFORNIA DIVISION OF INDUSTRIAL SAFETY AND OF CAL-OSHA. 5. CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN SUCH SHEETING, SHORING, BRACING AND/OR OTHER
- 6. VERTICAL TRENCH SHORING SHALL CONFORM WITH THE ORDERS OF THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY AND O.S.H.A. STANDARDS.

#### GENERAL GRADING NOTES

- 1. GRADING SUPERVISION REQUIREMENTS SHALL BE COMPLIED WITH AS FOLLOWS:
- A. LINE AND GRADE STAKES SHALL BE SET BY SURVEYORS UNDER THE GENERAL SUPERVISION OF THE
- B. THE U.R. SHALL PROVIDE GENERAL REVIEW OF THE GRADING AND SUBGRADE PREPARATION AND PERFORM COMPACTION TESTING AS NECESSARY TO ENSURE QUALITY CONSTRUCTION AND COMPLY WITH THE GRADING ORDINANCE.
- C. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PREPARE CONSTRUCTION MARKUPS AND SUBMIT A REPORT INDICATING THAT THE IMPROVEMENTS HAVE BEEN COMPLETED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
- COMPACTION TESTING, PERFORM "R" VALUE TESTING, RECOMMEND THE STRUCTURAL SECTION FOR THICKNESS OF PAVEMENT AND BASE DURING  $\,$  CONSTRUCTION, TEST AND REVIEW THE QUALITY OF PAVEMENT AND BASE, ETC. 2. NOISE GENERATING CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO THE HOURS OF 7:00 AM TO 7:00 PM,

D. THE U.R. SHALL PROVIDE GENERAL REVIEW OF THE GRADING AND SUBGRADE PREPARATION, PERFORM

- MONDAY THROUGH FRIDAY. CONSTRUCTION EQUIPMENT MAINTENANCE SHALL BE LIMITED TO THE SAME HOURS. STATIONARY CONSTRUCTION EQUIPMENT THAT GENERATES NOISE WHICH EXCEEDS 65 dBA AT THE PROJECT BOUNDARIES SHALL BE SHIELDED TO THE U.R.'S SATISFACTION AND SHALL BE LOCATED AT A MINIMUM OF 50 FEET FROM OCCUPIED RESIDENCES.
- 3. STONES LARGER THAN 6 INCHES IN DIAMETER SHALL NOT BE PLACED IN THE FILL, AND NO STONES LARGER THAN 3 INCHES IN DIAMETER BEING PLACED IN THE UPPER THREE FEET OF FILL. STONES LESS THAN 6 INCHES IN DIAMETER SHALL BE THOROUGHLY MIXED WITH THE SOIL, IN SUCH A MANNER THAT NO VOIDS IN THE FILL ARE CREATED.
- 4. EARTH MOVING AND WORKING OPERATIONS SHALL BE CONTROLLED TO PREVENT WATER FROM RUNNING INTO EXCAVATED AREAS. EXCESS WATER SHALL BE PROMPTLY REMOVED AND THE SITE KEPT DRY. FILL MATERIAL SHALL NOT BE PLACED. SPREAD. OR ROLLED DURING UNFAVORABLE WEATHER CONDITIONS. WHEN THE WORK IS INTERRUPTED BY HEAVY RAIN, FILL OPERATIONS SHALL NOT BE RESUMED UNTIL FIELD TESTS BY THE U.R. INDICATE THAT THE MOISTURE CONTENT AND DENSITY OF THE FILL ARE ABLE TO BE PLACED AND MEET THE REQUIRED COMPACTION.
- WHEN THE MOISTURE CONTENT OF THE FILL MATERIAL IS NOT SUFFICIENT TO ACHIEVE REQUIRED COMPACTION, WATER SHALL BE ADDED UNTIL THE SOILS ATTAIN A MOISTURE CONTENT SO THAT THOROUGH BONDING IS ACHIEVED DURING THE COMPACTING PROCESS. WHEN THE MOISTURE CONTENT OF THE FILL MATERIAL IS EXCESSIVE, THE FILL MATERIAL SHALL BE AERATED BY BLADING OR OTHER SATISFACTORY METHODS UNTIL THE MOISTURE CONTENT IS REDUCED TO AN ACCEPTABLE CONTENT TO ACHIEVE PROPER COMPACTION.
- 6. IMPORT SOILS SHALL BE GRANULAR NON-EXPANSIVE SOILS WHICH ARE EQUAL TO OR SUPERIOR IN QUALITY TO THE ON SITE SOILS AS DETERMINED BY THE U.R. PRIOR TO IMPORTATION OF THE FILL MATERIAL TO THE
- IMPORT OR ON-SITE SOILS USED IN FILL OPERATIONS SHALL BE FREE FROM ORGANIC MATERIAL AND OTHER DELETERIOUS MATERIALS. DURING GRADING OPERATIONS THE U.R. SHALL PERIODICALLY EXAMINE THE SOILS FOR ORGANIC CONTENT; AND IF AN EXCESS ORGANIC CONTENT IS FOUND IN THE FILL SOIL THEY MAY ISSUE A WRITTEN NOTICE OF NONCOMPLIANCE.
- 8. COMPRESSIBLE SURFICIAL SOILS SHOULD BE REMOVED AND RECOMPACTED WHERE WALLS ARE PLANNED FOR THE PROJECT. THE REMOVAL AND RECOMPACTION SHOULD EXTEND TO A MINIMUM DEPTH OF TWO FEET BELOW THE BOTTOM OF THE WALL FOOTING. THE U.R. SHALL APPROVE THE SUBGRADE PRIOR TO CONSTRUCTION OF THE FOOTING.
- 9. THE COMPACTION STANDARD SHALL BE THE ASTM D 1557-78 METHOD OF COMPACTION.
- 10. REMOVED SOIL, IF FREE FROM DELETERIOUS MATERIAL MAY BE PLACED IN LIFTS NOT EXCEEDING 8 INCHES IN DEPTH, BROUGHT TO NEAR OPTIMUM MOISTURE CONTENT AND COMPACTED TO A MINIMUM OF 90% RELATIVE COMPACTION.
- 11. CONTRACTOR SHALL NOTIFY THE U.R. AT LEAST 48 HOURS BEFORE START OF GRADING WORK OR ANY PRE-CONSTRUCTION MEETING.
- 12. CONTRACTOR SHALL EMPLOY ALL LABOR, EQUIPMENT AND METHODS REQUIRED TO PREVENT HIS OPERATIONS FROM PRODUCING DUST IN AMOUNTS DAMAGING TO ADJACENT PROPERTY. CULTIVATED VEGETATION AND DOMESTIC ANIMALS OR CAUSING A NUISANCE TO PERSONS OCCUPYING BUILDINGS IN THE VICINITY OF THE JOB SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE CAUSED BY DUST FROM HIS GRADING
- 13. AREAS TO BE GRADED SHALL BE CLEARED OF ALL VEGETATION INCLUDING ROOTS AND OTHER UNSUITABLE MATERIAL FOR A STRUCTURAL FILL. THEN SCARIFIED TO A DEPTH OF 6" PRIOR TO PLACING OF ANY FILL. 14. A THOROUGH SEARCH SHALL BE MADE FOR ALL ABANDONED MAN-MADE FACILITIES SUCH AS SEPTIC TANK SYSTEMS, FUEL OR WATER STORAGE TANKS, AND PIPELINES OR CONDUITS. ANY SUCH FACILITIES ENCOUNTERED SHALL BE REMOVED AND DEPRESSION PROPERLY FILLED AND COMPACTED UNDER OBSERVATION
- 15. FILL MATERIAL SHALL BE SPREAD IN LIFTS NOT EXCEEDING 6" IN COMPACTED THICKNESS, MOISTENED OR DRIED AS NECESSARY TO NEAR OPTIMUM MOISTURE CONTENT AND COMPACTED BY AN APPROVED METHOD. FILL MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 90% MAXIMUM DENSITY AS DETERMINED BY D 1557-78 METHOD OR SIMILAR APPROVED METHODS. SOME FILL AREAS MAY REQUIRE COMPACTION TO A GREATER DENSITY IF CALLED FOR IN THE CONSTRUCTION DOCUMENTS. SOILS TESTS SHALL BE CONDUCTED AT NOT LESS THAT ON TEST FOR EACH 18" OF FILL AND/OR FOR EACH 500 CUBIC YARDS OF FILL PLACED.

16. CUT SLOPES SHALL NOT EXCEED A GRADE OF 1-1/2 HORIZONTAL TO 1 VERTICAL. FILL AND COMBINATION

- FILL AND CUT SLOPES SHALL NOT EXCEED 2 HORIZONTAL TO 1 VERTICAL. SLOPES OVER THREE FEET IN VERTICAL HEIGHT SHALL BE PLATED WITH APPROVED PERENNIAL OR TREATED WITH EQUALLY APPROVED EROSION CONTROL MEASURES PRIOR TO FINAL INSPECTION.
- 17. ALL TREES THAT ARE TO REMAIN ON SITE SHALL BE TEMPORARILY FENCED AND PROTECTED AROUND THE DRIP LINE DURING GRADING.
- 18. NO GRADING SHALL OCCUR UNLESS APPROVED EROSION CONTROL AND SEDIMENT CONTROL MEASURES ARE IN PLACE. DISCHARGES OF SEDIMENT FROM THE PROJECT SITE MAY RESULT IN A "STOP WORK ORDER".

# EXISTING UTILITIES

1. THE LOCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS ARE BASED ON AVAILABLE RECORD SOURCES AND ARE APPROXIMATE ONLY. THE RECORD INFORMATION MAY BE INCOMPLETE AND THE VERTICAL LOCATION OF EXISTING UTILITIES AS SHOWN ON THE PROFILE DRAWINGS ARE ESTIMATED AND MAY BE SUBSTANTIALLY DIFFERENT FROM THE ACTUAL LOCATION. THE CONTRACTOR SHALL EXCAVATE WITH CAUTION AND VERIFY EXISTING UTILITIES FOR THEIR DEPTH AND LOCATIONS PRIOR TO CONSTRUCTION. NO EXTRA PAYMENT SHALL BE MADE TO THE CONTRACTOR FOR REPAIR OF ANY UTILITY DAMAGE BY THE CONTRACTOR'S OPERATIONS.

# DUST CONTROL NOTES

- 1. IN ADDITION TO THESE NOTES, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL DUST AND EROSION CONTROL REQUIREMENTS IDENTIFIED IN THE CONDITIONS OF APPROVAL. THE CONTRACTOR SHALL UTILIZE DUST CONTROL METHODS ON ANY DUST-PRODUCING CONDITION IN COMPLIANCE WITH REGULATIONS OF THE COUNTY OF SANTA BARBARA AIR POLLUTION CONTROL DISTRICT AND UNIVERSITY.
- 2. AFTER CLEARING, GRADING, EARTH MOVING, EXCAVATION OR EMBANKMENT OPERATIONS ARE COMPLETED THE ENTIRE AREA OF DISTURBED SOIL IS TO BE TREATED TO PREVENT WIND PICKUP OF THE SOIL. THIS MAY BE ACCOMPLISHED BY: A) SEEDING AND WATERING UNTIL GRASS COVER IS GROWN. B) SPREADING SOIL BINDERS. C) WETTING THE AREA DOWN, SUFFICIENT TO FORM A CRUST ON THE SURFACE WITH REPEATED SOAKING AS NECESSARY TO MAINTAIN THE CRUST AND PREVENT DUST PICKUP BY THE WIND. D) OTHER METHODS APPROVED IN ADVANCE BY THE AIR POLLUTION CONTROL BOARD.
- 3. WATERING OR APPLICATION OF SOIL BINDERS SHALL CONTINUE IN THE AMOUNTS NECESSARY TO CONTROL DUST UNTIL THE SITE IS SEEDED AND PLANTS ESTABLISHED.
- 4. THE CONSTRUCTION CONTRACTOR SHALL DESIGNATE A PERSON(S) TO MONITOR THE DUST CONTROL PROGRAM AND TO ORDER INCREASED WATERING, AS NECESSARY, TO PREVENT TRANSPORT OF DUST OFFSITE. THEIR DUTIES SHALL INCLUDE HOLIDAY AND WEEKEND PERIODS WHEN WORK MAY NOT BE IN PROGRESS.

# **EROSION CONTROL NOTES**

- 1. THE CONTRACTOR SHALL UTILIZE THIS PLAN ONLY AS A GUIDE TO FULFILL ALL REGULATORY AND PRACTICAL REQUIREMENTS RELATED TO EROSION CONTROL AND STORM WATER POLLUTION PREVENTION.
- 2. CONTRACTOR SHALL REVIEW AND PERFORM ALL STORM WATER POLLUTION PREVENTION PLAN (SWPPP) REQUIREMENTS, WHICH MAY NOT BE LIMITED TO THE FEATURES DEPICTED ON THIS SHEET.
- 3. A STANDBY 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.
- 4. EROSION CONTROL DEVICES MAY BE REMOVED WHEN APPROVED BY THE UNIVERSITY'S REPRESENTATIVE IF THE GRADING OPERATIONS HAVE PROGRESSED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED.
- 5. EARTHEN AREAS ADJACENT TO THE PUBLIC RIGHT OF WAY SHALL DRAIN AWAY FROM THE PUBLIC RIGHT OF WAY AT THE CONCLUSION OF EACH WORKING DAY.
- 6. ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM.
- 7. EXCEPT AS OTHERWISE APPROVED BY THE UNIVERSITY'S REPRESENTATIVE, ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY OR WEEKENDS WHEN THE 5-DAY RAIN PROBABILITY FORECAST EXCEEDS 40%.
- 8. ALL LOOSE SOIL AND DEBRIS, WHICH MAY CREATE A POTENTIAL HAZARD TO OFF-SITE PROPERTY, SHALL BE REMOVED FROM THE SITE AS DIRECTED BY THE UNIVERSITY'S REPRESENTATIVE.
- 9. THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION AND/OR RUNOFF DAMAGE WITHIN THE SITE SHALL BE AT THE DISCRETION OF THE UNIVERSITY'S REPRESENTATIVE.
- REPRESENTATIVE. REVISED PLANS SHALL BE SUBMITTED FOR APPROVAL. 11. THE CONTRACTOR SHALL HIRE A CERTIFIED QUALIFIED SWPPP PRACTITIONER (QSP) TO MONITOR EROSION CONTROL WORK IN ACCORDANCE WITH THE APPROVED PLANS. THE WORK ALSO INCLUDES, BUT IS NOT

10. EROSION CONTROL DEVICES SHALL NOT BE MODIFIED WITHOUT THE APPROVAL OF THE UNIVERSITY'S

TARP SHALL BE ANCHORED WITH GRAVEL FILLED BAGS AT 8' INTERVALS.

OF TERMINATION AFTER THE PROJECT COMPLETION. 12. IF RAIN IS FORECAST OR THREATENING, ALL STOCKPILED MATERIALS SHALL BE TARPED TO PREVENT EROSION.

LIMITED TO. INSPECTION OF EROSION CONTROL MEASURES BEFORE EACH RAINSTORM AND 5-DAY PROBABILITY

RAIN FORECAST, AS WELL AS WEEKLY AND QUARTERLY MONITORING, AND FILE ANNUAL REPORTS AND NOTICE

13. WHENEVER SEDIMENT-LADEN WATER MUST BE REMOVED FROM THE CONSTRUCTION SITE, A DEWATERING PUMP, A FILTER BOX, PORTABLE SEDIMENT TANK, OR SOME FORM OF FILTERING MEDIA IS TO BE USED PRIOR TO OR DURING DISCHARGE.

#### SURVEY NOTES

TOPOGRAPHIC MAPPING WAS COMPILED AT A SCALE OF 1"=40', WITH A 1 FOOT CONTOUR INTERVAL. USING STANDARD PHOTOGRAMMETRIC METHODS AND PROCEDURES BY ARROWHEAD MAPPING CORPORATION THE AERIAL PHOTOGRAPHY USED FOR THIS MAP IS DATED JUNE 13, 2006. SUPPLEMENTAL SURVEY PREPARED BY P&S DATED

THIS AERIAL PHOTOGRAPHY COMPLIES WITH THE NATIONAL MAP ACCURACY STANDARDS AS FOLLOWS: VERTICAL ACCURACY - 90% OF THE POINTS TESTED SHALL BE WITHIN ONE-HALF OF THE CONTOUR INTERVAL, THE REMAINING 10% OF THE POINTS SHALL NOT EXCEED ONE CONTOUR INTERVAL.

HORIZONTAL ACCURACY - 90% OF THE THE POINTS TESTED SHALL BE WITHIN 1/50TH OF AN INCH AT THE MAP SCALE. THE REMAINING 10% OF THE POINTS SHALL NOT EXCEED 1/30TH OF AN INCH AT THE MAP SCALE.

#### **AERIAL PHOTOGRAPHY**

THE AERIAL PHOTOGRAPHY USED AS THE BACKGROUND FOR THIS MAP WAS OBTAINED ON JUNE 13, 2006 BY ARROWHEAD MAPPING CORPORATION. THE PHOTOGRAPHY HAS BEEN CONVERTED INTO A DIGITAL FORMAT AND CORRECTED FOR HORIZONTAL AND VERTICAL DISTORTION USING STANDARD PHOTOGRAMMETRIC METHODS.

#### 2. BASIS OF BEARINGS AND COORDINATES

BEARINGS SHOWN ON THIS MAP ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM, NAD 83, (CCS83) ZONE 5 GRID (EPOCH 2004.0), DEFINED LOCALLY BY CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS) OPERATED BY THE CALIFORNIA SPATIAL REFERENCE CENTER. THIS SURVEY TIED TO STATIONS "COPR" AND "UCSB". ALL DISTANCES AND COORDINATES SHOWN AS MEASURED OR CALCULATED ARE EXPRESSED IN CCS, NAD 83, ZONE V GRID US SURVEY FOOT UNITS.

THE SITE COMBINATION FACTOR IS 0.99994277 AND THE SITE MAPPING ANGLE IS -1.03.57.07, BOTH CALCULATED AT UCSB CONTROL STATION 7. SEE UCSB CONTROL NETWORK DRAWING ON FILE WITH THE UNIVERSITY AS DRAWING NUMBER 30-169. TO OBTAIN GROUND LEVEL DISTANCES, MULTIPLY GRIID DISTANCES BY 1.00005723, WHICH IS THE INVERSE OF THE PROJECT COMBINATION FACTOR. TO OBTAIN TRUE NORTH BEARINGS, ADD THE MAPPING ANGLE TO THE GRID BEARINGS.

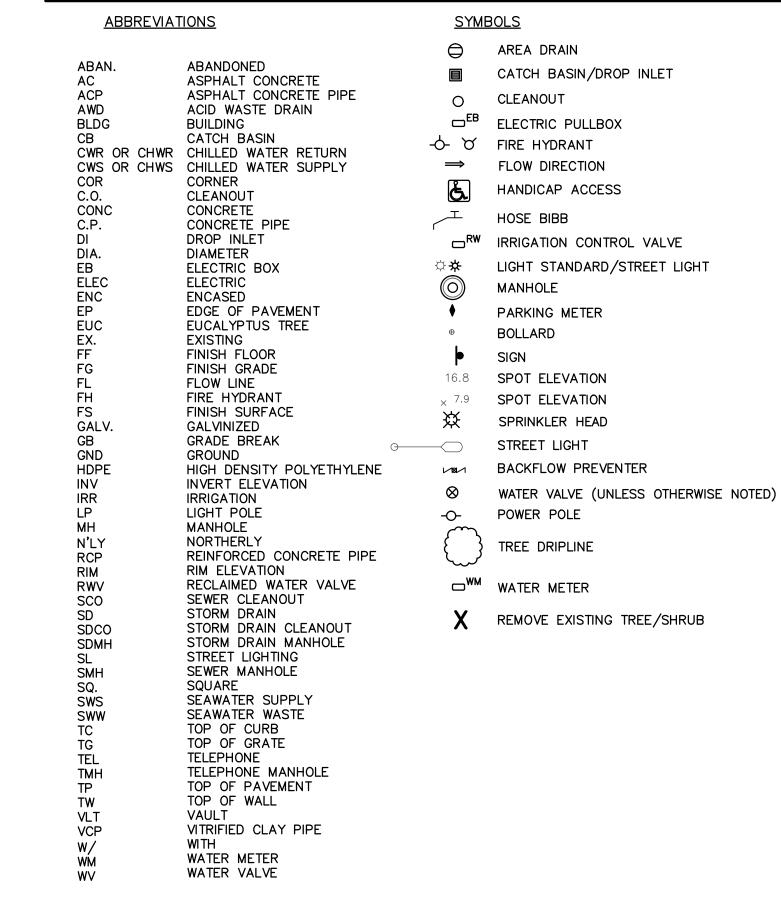
# 4. ELEVATIONS

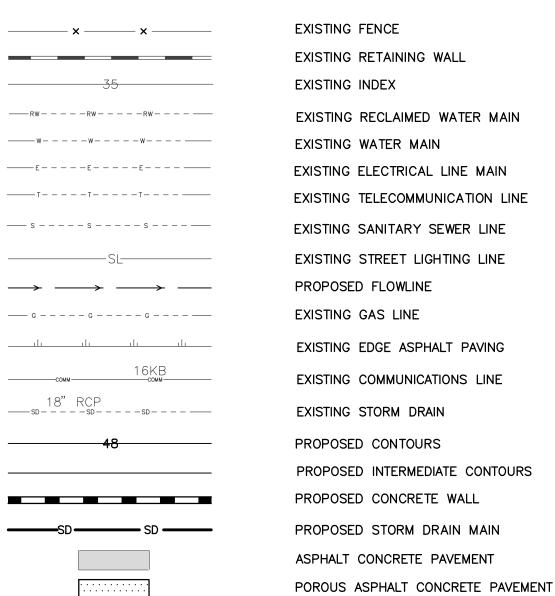
ELEVATIONS SHOWN HEREON ARE EXPRESSED IN U.S. SURVEY FEET AND ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), DEFINED LOCALLY BY CONTINUOUSLY OPERATING REFERENCE STATION, "COPR", OPERATED BY THE CALIFORNIA SPATIAL REFERENCE CENTER. http://csrc.ucsd.edu/ ELEVATION=45.35 FEET (AT THE GEODETIC REFERENCE MARK)

# 5. CONTROL POINTS

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1977230.271	6005818.994	46.32	MAG WASHER
2	1977231.987	6005509.373	48.17	MAG WASHER
15	1977255.159	6006109.263	44.57	BRASS CAP
39	1976793.404	6006023.526	44.13	MAG

# LEGEND





P.C. CONCRETE PAVEMENT

PERMEABLE CONCRETE PAVERS

# SHEET INDEX

HEET_	TITLE_
0 1 2 3 4 5 6 7 8 9	GENERAL NOTES SITE TOPOGRAPHIC MAP SITE DEMOLITION PLAN GRADING AND DRAINAGE PLAN (WEST) GRADING AND DRAINAGE PLAN (EAST) ROAD PLAN AND PROFILE (WEST) ROAD PLAN AND PROFILE (EAST) EROSION CONTROL PLAN (WEST) EROSION CONTROL PLAN (EAST) DETAILS DETAILS

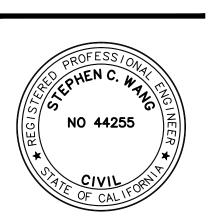
Landscape Architects

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11-12-13 4-16-14 5-12-14 6-20-14 8-20-14 4-15-15



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Drawn By P&S

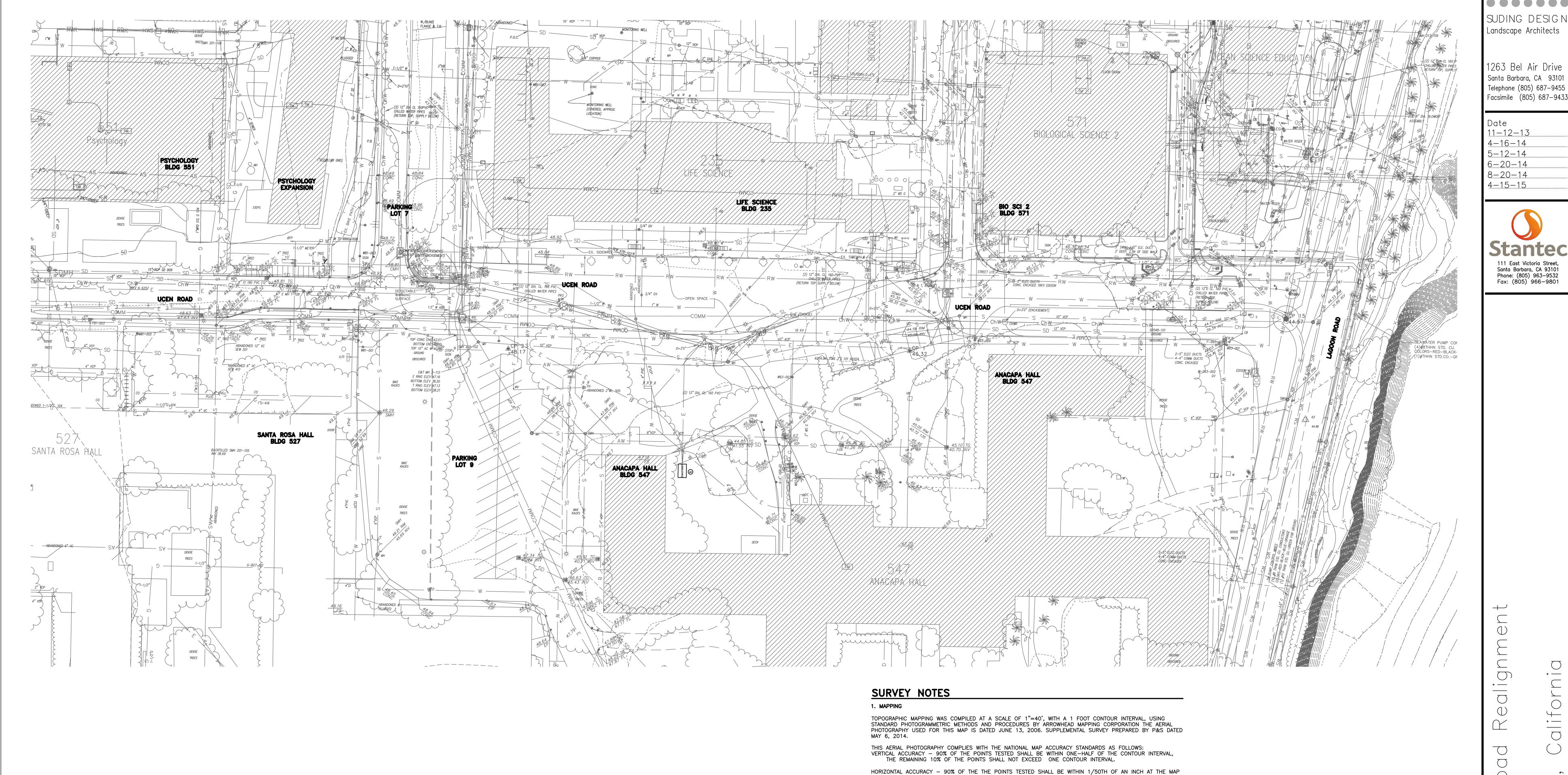
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GENERAL NOTES UCSB DWG NO. 34-388

UCSB FM NO. 140426L/986615

#### PROJECT SITE PRIOR TO CONSTRUCTION AND REPORT ANY CONFLICTS TO THE UNIVERSITY'S REPRESENTATIVE. CONTRACTOR SHALL PROPOSE ANY HORIZONTA REALIGNMENT AND/OR VERTICAL ADJUSTMENT FOR UTILITY DESIGN TO THE UNIVERSITY'S REPRESENTATIVE FOR APPROVAL PRIOR TO CONSTRUCTION AT NO ADDITIONAL COST TO THE UNIVERSITY OR THE PROJECT.

CONTRACTOR SHALL POTHOLE AND VERIFY ALL EXISTING UTILITIES WITHIN



SCALE, THE REMAINING 10% OF THE POINTS SHALL NOT EXCEED 1/30TH OF AN INCH AT THE MAP SCALE.

# AERIAL PHOTOGRAPHY

THE AERIAL PHOTOGRAPHY USED AS THE BACKGROUND FOR THIS MAP WAS OBTAINED ON JUNE 13, 2006 BY ARROWHEAD MAPPING CORPORATION. THE PHOTOGRAPHY HAS BEEN CONVERTED INTO A DIGITAL FORMAT AND CORRECTED FOR HORIZONTAL AND VERTICAL DISTORTION USING STANDARD PHOTOGRAMMETRIC METHODS. 2. BASIS OF BEARINGS AND COORDINATES

BEARINGS SHOWN ON THIS MAP ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM, NAD 83, (CCS83) ZONE 5

GRID (EPOCH 2004.0), DEFINED LOCALLY BY CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS) OPERATED BY THE CALIFORNIA SPATIAL REFERENCE CENTER. THIS SURVEY TIED TO STATIONS "COPR" AND "UCSB". ALL DISTANCES AND COORDINATES SHOWN AS MEASURED OR CALCULATED ARE EXPRESSED IN CCS, NAD 83, ZONE V GRID US SURVEY FOOT UNITS.

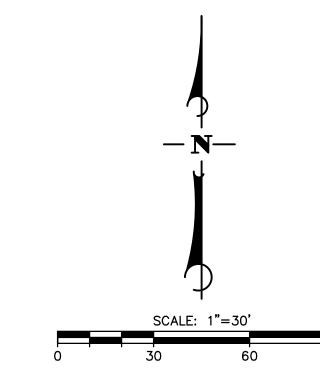
THE SITE COMBINATION FACTOR IS 0.99994277 AND THE SITE MAPPING ANGLE IS -1°03'57.07", BOTH CALCULATED AT UCSB CONTROL STATION 7. SEE UCSB CONTROL NETWORK DRAWING ON FILE WITH THE UNIVERSITY AS DRAWING NUMBER 30-169. TO OBTAIN GROUND LEVEL DISTANCES, MULTIPLY GRIID DISTANCES BY 1.00005723, WHICH IS THE INVERSE OF THE PROJECT COMBINATION FACTOR. TO OBTAIN TRUE NORTH BEARINGS, ADD THE MAPPING ANGLE TO THE GRID BEARINGS.

# 4. ELEVATIONS

ELEVATIONS SHOWN HEREON ARE EXPRESSED IN U.S. SURVEY FEET AND ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), DEFINED LOCALLY BY CONTINUOUSLY OPERATING REFERENCE STATION, "COPR", OPERATED BY THE CALIFORNIA SPATIAL REFERENCE CENTER. http://csrc.ucsd.edu/ ELEVATION=45.35 FEET (AT THE GEODETIC REFERENCE MARK)

# 5. CONTROL POINTS

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1977230.271	6005818.994	46.32	MAG WASHER
2	1977231.987	6005509.373	48.17	MAG WASHER
15	1977255.159	6006109.263	44.57	BRASS CAP
39	1976793.404	6006023.526	44.13	MAG



SITE TOPOGRAPHIC MAP UCSB FM NO. 140426L/986615

UCSB DWG NO. 34-388

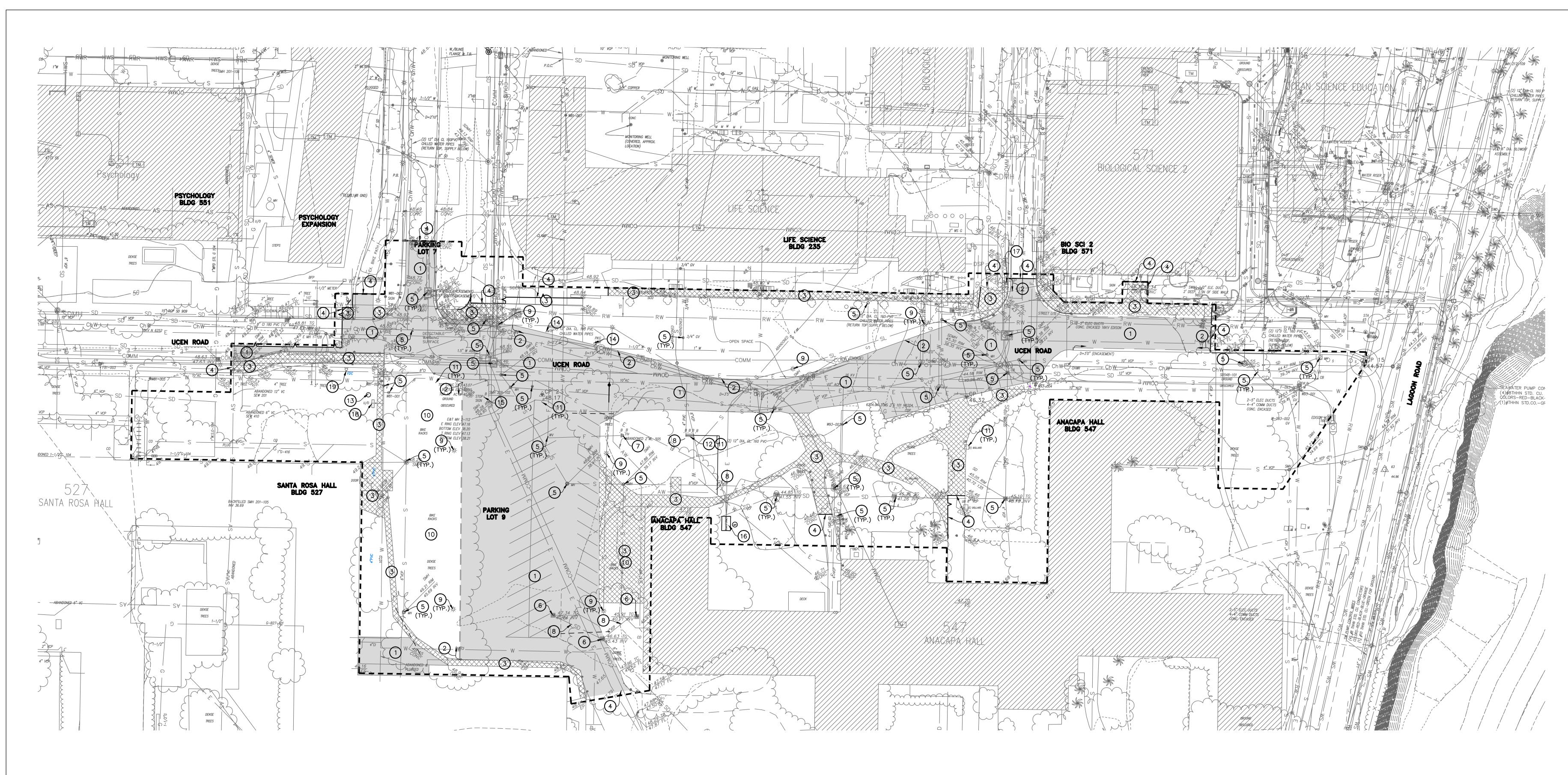
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Phone: (805) 963-9532 Fax: (805) 966-9801

FOR REDUCED PLANS
ORIGINAL SCALE IN INCHES



# **LEGEND**

REMOVE EXISTING ASPHALT CONCRETE PAVEMENT

REMOVE EXISTING CONCRETE PAVEMENT

—— SAWCUT LINE — — — CONSTRUCTION LIMIT LINE

# **GENERAL NOTES**

- 1. CONTRACTOR SHALL VERIFY AND COORDINATE ALL TREE REMOVALS, PRESERVATION, AND RELOCATION PER THE LANDSCAPE PLANS AND THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
- 2. PROTECT ALL EXISTING ABOVE GROUND IMPROVEMENTS AND BELOW GRADE UTILITIES NOT DESIGNATED TO BE REMOVED AND NOT IN CONFLICT WITH THE PROPOSED IMPROVEMENTS IN PLACE.
- 3. ADJUST EXISTING UTILITIES TO FINISH GRADES WITHIN PROJECT LIMITS (TYP. FOR ENTIRE PROJECT INCLUDING THOSE NOT SHOWN ON PLAN).

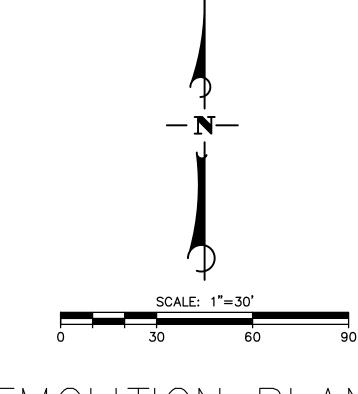
# CAUTION

FOR REDUCED PLANS ORIGINAL SCALE IN INCHES

CONTRACTOR SHALL POTHOLE AND VERIFY ALL EXISTING UTILITIES WITHIN PROJECT SITE PRIOR TO CONSTRUCTION AND REPORT ANY CONFLICTS TO THE UNIVERSITY'S REPRESENTATIVE. CONTRACTOR SHALL PROPOSE ANY HORIZONTAL REALIGNMENT AND/OR VERTICAL ADJUSTMENT FOR UTILITY DESIGN TO THE UNIVERSITY'S REPRESENTATIVE FOR APPROVAL PRIOR TO CONSTRUCTION AT NO ADDITIONAL COST TO THE UNIVERSITY OR THE PROJECT.

# PROTECTION AND REMOVAL NOTES

- REMOVE EXISTING ASPHALT CONCRETE ROADWAY AND PARKING LOT PAVEMENT AND BASE TO ADEQUATE DEPTH TO CONSTRUCT PROPOSED STRUCTURAL SECTION, AND LEGALLY DISPOSE OF OFF-CAMPUS.
- 2 REMOVE EXISTING CONCRETE CURB, CONCRETE CURB AND GUTTER AND LEGALLY DISPOSE OF OFF-CAMPUS.
- REMOVE EXISTING CONCRETE WALKWAY PAVEMENT AND LEGALLY DISPOSE OF OFF-CAMPUS.
- SAWCUT EXISTING PAVEMENT.
- PROTECT AND ADJUST EXISTING UTILITIES TO FINISH GRADES (TYP. FOR ENTIRE PROJECT INCLUDING THOSE NOT SHOWN ON PLAN).
- REMOVE EXISTING UTILITIES BOTH ABOVE AND BELOW GRADES AND BACKFILLED WITH SOILS AND COMPACTED TO 95% COMPACTION TO BELOW PROPOSED STRUCTURAL SECTION.
- PROTECT AND RELOCATE FIRE HYDRANT COMPLETE TO LOCATION SHOWN ON GRADING AND DRAINAGE PLANS WITH GATE VALVES AND RECONNECT TO EXISTING
- 8 ABANDON EXISTING UNDERGROUND PIPE/SYSTEM IN PLACE OR REMOVE IF IN CONFLICT WITH PROPOSED CONSTRUCTION.
- 9 DISCONNECT, PROTECT, AND RELOCATE EXISTING STREET LIGHT PER LANDSCAPE PLANS.
- REMOVE EXISTING BIKE RACKS AND DELIVER TO LOCATION DETERMINED BY THE UNIVERSITY'S REPRESENTATIVE.
- REMOVE EXISTING BOLLARD AND FOUNDATION COMPLETE, AND LEGALLY DISPOSE OF OFF-CAMPUS.
- (12) REMOVE AND RELOCATE EXISTING BACKFLOW PREVENTER AS SHOWN ON SHEET C4.
- PROTECT, DISCONNECT, AND RELOCATE EXISTING PERMIT DISPENSER TO LOCATION SHOWN ON SHEET C3, GRADING AND PAVEMENT CONSTRUCTION NOTE NO. 31.
- PROTECT AND REMOVE EXISTING PARKING METER AND DELIVER TO LOCATION DETERMINED BY UNIVERSITY'S REPRESENTATIVE.
- REMOVE EXISTING SIGN, POST, AND FOUNDATION COMPLETE, AND LEGALLY DISPOSE OF POST AND FOUNDATION OFF—CAMPUS. PROTECT SIGN AND DELIVER TO LOCATION DETERMINED BY UNIVERSITY'S REPRESENTATIVE.
- (16) PROTECT EXISTING TRANSFORMER IN PLACE.
- (17) PROTECT EXISTING STAND PIPE IN PLACE.
- (18) PROTECT EXISTING BACKFLOW PREVENTER IN PLACE.
- (19) PROTECT EXISTING FIRE DEPARTMENT CONNECTION STANDPIPE IN PLACE.



SITE DEMOLITION PLAN UCSB FM NO. 140426L/986615

Landscape Architects



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CONTRACTOR SHALL POTHOLE AND VERIFY ALL EXISTING UTILITIES WITHIN

REALIGNMENT AND/OR VERTICAL ADJUSTMENT FOR UTILITY DESIGN TO THE

NO ADDITIONAL COST TO THE UNIVERSITY OR THE PROJECT.

UNIVERSITY'S REPRESENTATIVE FOR APPROVAL PRIOR TO CONSTRUCTION AT

FOR REDUCED PLANS
ORIGINAL SCALE IN INCHES

PROJECT SITE PRIOR TO CONSTRUCTION AND REPORT ANY CONFLICTS TO THE

UNIVERSITY'S REPRESENTATIVE. CONTRACTOR SHALL PROPOSE ANY HORIZONTAL

2. PROTECT EXISTING IMPROVEMENTS TO REMAIN IN PLACE, AND REPAIR/RECONSTRUCT

TO EXISTING CONDITIONS IF DAMAGED DURING CONSTRUCTION.

LANDSCAPE AND IRRIGATION PLANS.

3. FOR TREE AND IRRIGATION, PROTECTION, REMOVAL AND CONSTRUCTION, SEE

# GRADING AND PAVEMENT CONSTRUCTION NOTES

- CONSTRUCT MIN. 2" ASPHALT RUBBERIZED HOT MIX OVER 3" ASPHALT CONCRETE, OVER MIN. 13" CL. 2 AGGREGATE BASE, COMPACT AGGREGATE BASE AND MIN. TOP 12" SOILS MATERIALS TO MINIMUM 95% COMPACTION. SEE SECTION "1" ON SHEET C9.
- CONSTRUCT MIN. 4" ASPHALT CONCRETE, OVER MIN. 8" CL. 2 AGGREGATE BASE, COMPACT AGGREGATE BASE AND MIN. TOP 12" SOILS MATERIALS TO MINIMUM 95% COMPACTION. SEE SECTION "2" ON SHEET CO
- CONSTRUCT MIN. 4" CL. 2 AGGREGATE BASE, COMPACT AGGREGATE BASE AND MIN. TOP 12" SOILS MATERIALS TO MINIMUM 95% COMPACTION. SEE LANDSCAPE PLAN FOR DETAILS.
- CONSTRUCT 6" HIGH CONCRETE CURB AND 18" WIDE GUTTER PER COUNTY OF SANTA BARBARA (COUNTY) STANDARD DETAIL 4-030.
- (5) CONSTRUCT 6" HIGH CONCRETE CURB PER DETAIL "3" ON SHEET C9.
- 6 CONSTRUCT 4" CONCRETE SIDEWALK WITH #4 REBARS AT 18" O.C. BOTH WAYS OVER 4" CL. 2
  AGGREGATE BASE. COMPACT AGGREGATE BASE AND MIN. TOP 12" SOILS MATERIALS TO MINIMUM
  95% COMPACTION. SEE SECTION "4" ON SHEET C9. SEE LANDSCAPE PLAN FOR SURFACE COLOR,
  TEXTURE, SCORE PATTERN, AND DETAILS.
- 7 SAWCUT AND MATCH EXISTING PAVEMENT SECTION.
- 8 LANDSCAPE AREA SEE LANDSCAPE PLAN.
- 9 PAINT 12" WHITE LIMIT LINE AS SHOWN PER 2010 CALTRANS STANDARD PLAN RSP A24E. PAINT "STOP" LEGEND CENTERED IN LANE AS SHOWN PER 2010 CALTRANS STANDARD PLAN A24D. MINIMUM
- PAINT 24" YELLOW CONTINENTAL PEDESTRIAN CROSSWALK MARKINGS PER 2010 CALTRANS STANDARD PLAN RSP A24F. CENTER MARKING ON ROAD WITH MIN. 24" WIDE SPACING BETWEEN MARKINGS.
- BIKE PARKING RACK, FOUNDATION AND FACILITIES, SEE LANDSCAPE LAYOUT PLANS FOR DETAILS.

  12 CONSTRUCT CONCRETE CROSS GUTTER AND SPANDREL PER STANDARD PLANS FOR PUBLIC WORKS
- CONSTRUCTION (GREEN BOOK) STANDARD PLAN 122-1. MODIFY THE GUTTER WIDTH TO 4'.

  (13) CONSTRUCT BIKE RAMP PER DETAIL "5" ON SHEET C9.
- (14) CONSTRUCT ACCESSIBLE CURB RAMP PER DETAIL "6" ON SHEET C9.
- CONSTRUCT ACCESSIBLE CURB RAMP PER 2010 CALTRANS STANDARD PLAN RSP A88A, CASE "G" AND ASSOCIATED NOTES.
- CONSTRUCT ACCESSIBLE CURB RAMP PER 2010 CALTRANS STANDARD PLAN RSP A88A, DETAIL "D" AND ASSOCIATED NOTES.
- CONSTRUCT ACCESSIBLE CURB RAMP PER 2010 CALTRANS STANDARD PLAN RSP A88A, CASE "A" (WIDTH PER PLAN) AND ASSOCIATED NOTES.
- (WIDTH PER PLAN) WITH 6" WIDE RETAINING CURB (FROM 0" TO 6") AND ASSOCIATED NOTES.
- (19) CONSTRUCT METAL POLE STOP SIGN AND CONCRETE FOOTING PER 2010 CALTRANS STANDARD PLANS RS1 AND RS4. FOOTING SHALL BE 9" DIA. BY 3' DEEP, 3000 PSI CONCRETE. POLE SHALL HAVE MIN. 2' EMBEDMENT INTO FOOTING.
- 20 REMOVE EXISTING CONCRETE PAVEMENT.
- (21) MATCH EXISTING RAMP GRADES.
- CONSTRUCT MINIMUM 3' WIDE DETECTABLE WARNING SURFACE (TRUNCATED DOMES) PER 2010 CALTRANS STANDARD PLAN RSP A88A AND COMPLY WITH CBC 1133B.8.5.
- CONSTRUCT 5' WIDE CURB OPENING AND 3' LONG CURB HEIGHT TRANSITION FROM 6" TO 0" ON BOTH
- PAINT BLUE INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) PAVEMENT MARKING AND STRIPING FOR ACCESSIBLE PARKING SPACE PER 2010 CALTRANS STANDARD PLANS RSP A24C AND RSP A90A.
- (25) CONSTRUCT 5' LONG CONCRETE WHEEL STOP PER DETAIL "7" ON SHEET C9.
- FURNISH AND INSTALL ACCESSIBLE PARKING SIGNS (R99(CA) AND R99B(CA)) AND METAL POST PER 2010 CALTRANS STANDARD PLAN RSP A90A AT LOCATION SHOWN ON PLAN.
- 27) CONSTRUCT CURB HIGH TRANSITION (FROM 0" TO 6", LENGTH PER PLAN).
- (28) CONSTRUCT 0" HIGH CURB AND 18" GUTTER PER DETAIL "12" ON SHEET C9.
- 29 CONSTRUCT O" HIGH CURB PER DETAIL "8" ON SHEET C9.
- CONSTRUCT 4" THICK CONCRETE PAD (6" BELOW TOP OF CURB FOR INSTALLING PERMIT DISPENSER), OVER 4" THICK CL. 2 AGGREGATE BASE. COMPACT AGGREGATE BASE AND TOP 12" SOILS MATERIALS TO MIN. 95% COMPACTION. INSTALL PERMIT DISPENSER COMPLETE WITH ELECTRICAL/COMMUNICATION LINE PER CAMPUS STANDARD.
- PROTECT AND RELOCATE EXISTING PERMIT DISPENSER TO THIS LOCATION. CONSTRUCT 4" THICK CONCRETE PAD (6" BELOW TOP OF CURB FOR INSTALLING PERMIT DISPENSER), OVER 4" THICK CL. 2 AGGREGATE BASE. COMPACT AGGREGATE BASE AND TOP 12" SOILS MATERIALS TO MIN. 95% COMPACTION. INSTALL PERMIT DISPENSER COMPLETE WITH ELECTRICAL/COMMUNICATION LINE PER CAMPUS STANDARD.
- (32) CONSTRUCT 4" DIA. REMOVABLE METAL BOLLARDS, TOTAL 5 BOLLARDS, PER DETAIL "9" ON SHEET C9.
- PAINT 4" YELLOW CENTERLINE STRIPE (DETAIL 1) PER 2010 CALTRANS STANDARD PLAN A20A.
- PAINT 4" WHITE PARKING STRIPES PER PLAN (12" LONG PERPENDICULAR TO ROAD AND 24" LONG PARALLEL TO ROAD).
- (35) CONSTRUCT POROUS PAVEMENT PER STRUCTURAL SECTION DETAIL "16" ON SHEET C10.

  (36) CONSTRUCT CONCRETE PAVERS PER STRUCTURAL SECTION DETAIL "17" ON SHEET C10.
- (37) CONSTRUCT GRADED SWALE PER DETAIL "18" ON SHEET C10.

# PROTECT, ADJUST, AND REMOVE UTILITY CONSTRUCTION NOTES

- (FOR ALL EXISTING UTILITIES IN CONFLICT WITH PROPOSED CONSTRUCTION AND RECORRECT).
- ADJUST EXISTING UTILITIES TO FINISH GRADES (TYP. FOR ENTIRE PROJECT INCLUDING THOSE NOT SHOWN ON PLAN).
- REMOVE EXISTING UTILITIES BOTH ABOVE AND BELOW GRADES AND BACKFILLED WITH SOILS AND COMPACTED TO 95% COMPACTION TO BELOW PROPOSED STRUCTURAL SECTION.
- PROTECT AND RELOCATE FIRE HYDRANT COMPLETE WITH VALVES AND RECONNECTION TO EXISTING WATERLINE.
- 4 ABANDON EXISTING UNDERGROUND PIPE/SYSTEM IN PLACE OR REMOVE IT IF IN CONFLICT WITH PROPOSED CONSTRUCTION.
- 5 PROTECT AND RELOCATE EXISTING STREET LIGHT PER LANDSCAPE PLAN.
- $\overline{\binom{6}{6}}$  PROTECT EXISTING TRANSFORMER IN PLACE.
- RELOCATE EXISTING BACKFLOW PREVENTER AND INSTALL PER DETAIL "15" ON SHEET C9. CONSTRUCT 4" DIA. C900 CLASS 305 PVC WATERLINE PER DETAIL "11" ON SHEET C9. CONNECT WATERLINE TO EXISTING 4" DIA. PVC WATERLINE WITH ALL NECESSARY FITTINGS.

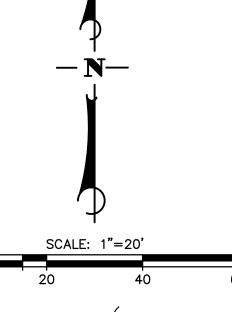
# STORM DRAIN CONSTRUCTION NOTES

- CONSTRUCT 6" OR 8" OR 12" DIA. HIGH DENSITY POLYETHYLENE PIPE (HDPE) STORM DRAIN, HANCOR PRODUCT SURE—LOK WT OR EQUAL PER DETAIL SECTION "11" ON SHEET C9. SIZE AS SHOWN ON PLANS.
- CONSTRUCT 12"x12" CONCRETE CATCH BASIN BROOKS PRODUCT OR EQUAL. USE TRAFFIC RATED GRATE AND COVER IN PAVEMENT AREA.
- 3 CONNECT STORM DRAIN TO EXISTING OR PROPOSED CATCH BASIN.
- CONSTRUCT 6" HIGH CONCRETE CURB PER DETAIL "3" ON SHEET C9 AROUND CONCRETE CATCH BASIN STRUCTURE.
- 5 CONSTRUCT 5' LONG TYPE C DROP INLET PER COUNTY STANDARD DETAIL 3-050, 6" WINDOW ON FRONT. APRON NOT REQUIRED.
- 6 CONNECT TO PROPOSED AND EXISTING STORM DRAINS WITH WYE CONNECTION PER DETAIL "13" ON SHEET C9.

  7 CONSTRUCT 18"x18" CONCRETE CATCH BASIN BROOKS PRODUCT OR EQUAL. USE TRAFFIC RATED GRATE AND COVER IN PAVEMENT AREA.
- USE TRAFFIC RATED GRATE AND COVER IN PAVEMENT ARE

  8 ADJUST CATCH BASIN STRUCTURE TO FINISH GRADE.
- 9 CONSTRUCT 4' DIA. DRAINAGE MANHOLE PER COUNTY STANDARD DETAIL 3-080.
- 3-080.
- CONSTRUCT 7' LONG OPEN CURB DROP INLET WITH APRON LIP PER COUNTY STANDARD 3-020, 6" WINDOW ON FRONT.

  11 CONSTRUCT ULTRA-URBAN FILTER WITH SMART SPONGE IN EXISTING OR PROPOSED CATCH BASIN OR INLET, ABTECH INDUSTRIES INC.



GRADING AND DRAINAGE PLAN (WEST)

UCSB FM NO. 140426L/986615

1263 Bel Air Drive Santa Barbara, CA 93101

Santa Barbara, CA 93101
Telephone (805) 687-9455
Facsimile (805) 687-9433

Date
11-12-13
4-16-14

5-12-14

6-20-14

SUDING DESIGN

Landscape Architects

8-20-14
4-15-15

Stantec

111 East Victoria Street,

Santa Barbara, CA 93101

Phone: (805) 963-9532

Fax: (805) 966-9801

PROFESS/ONATOR

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# **CAUTION**

FOR REDUCED PLANS ORIGINAL SCALE IN INCHES

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# NOTES:

- 1. REMOVE ALL EXISTING IMPROVEMENTS IN CONFLICT WITH PROPOSED CONSTRUCTION.
- 2. PROTECT EXISTING IMPROVEMENTS TO REMAIN IN PLACE, AND REPAIR/RECONSTRUCT TO EXISTING CONDITIONS IF DAMAGED DURING CONSTRUCTION.
- 3. FOR TREE AND IRRIGATION, PROTECTION, REMOVAL AND CONSTRUCTION, SEE LANDSCAPE AND IRRIGATION PLANS.

# GRADING AND PAVEMENT CONSTRUCTION NOTES

- 1) CONSTRUCT MIN. 2" ASPHALT RUBBERIZED HOT MIX OVER 3" ASPHALT CONCRETE, OVER MIN. 13" CL. 2 AGGREGATE BASE, COMPACT AGGREGATE BASE AND MIN. TOP 12" SOILS MATERIALS TO MINIMUM 95% COMPACTION. SEE SECTION "1" ON SHEET C9.
- 2 CONSTRUCT MIN. 4" ASPHALT CONCRETE, OVER MIN. 8" CL. 2 AGGREGATE BASE, COMPACT AGGREGATE BASE AND MIN. TOP 12" SOILS MATERIALS TO MINIMUM 95% COMPACTION. SEE SECTION
- 3 CONSTRUCT MIN. 4" CL. 2 AGGREGATE BASE, COMPACT AGGREGATE BASE AND MIN. TOP 12" SOILS MATERIALS TO MINIMUM 95% COMPACTION. SEE LANDSCAPE PLAN FOR DETAILS.
- 4 CONSTRUCT 6" HIGH CONCRETE CURB AND 18" WIDE GUTTER PER COUNTY OF SANTA BARBARA (COUNTY) STANDARD DETAIL 4-030.
- (5) CONSTRUCT 6" HIGH CONCRETE CURB PER DETAIL "3" ON SHEET C9.
- (6) CONSTRUCT 4" CONCRETE SIDEWALK WITH #4 REBARS AT 18" O.C. BOTH WAYS OVER 4" CL. 2 AGGREGATE BASE. COMPACT AGGREGATE BASE AND MIN. TOP 12" SOILS MATERIALS TO MINIMUM 95% COMPACTION. SEE SECTION "4" ON SHEET C9. SEE LANDSCAPE PLAN FOR SURFACE COLOR, TEXTURE, SCORE PATTERN, AND DETAILS.
- (7) SAWCUT AND MATCH EXISTING PAVEMENT SECTION. (8) LANDSCAPE AREA SEE LANDSCAPE PLAN.
- 9 PAINT 12" WHITE LIMIT LINE AS SHOWN PER 2010 CALTRANS STANDARD PLAN RSP A24E. PAINT "STOP" LEGEND CENTERED IN LANE AS SHOWN PER 2010 CALTRANS STANDARD PLAN A24D. MINIMUM
- PAINT 24" YELLOW CONTINENTAL PEDESTRIAN CROSSWALK MARKINGS PER 2010 CALTRANS STANDARD PLAN RSP A24F. CENTER MARKING ON ROAD WITH MIN. 24" WIDE SPACING BETWEEN MARKINGS.
- 11) BIKE PARKING RACK, FOUNDATION AND FACILITIES, SEE LANDSCAPE LAYOUT PLANS FOR DETAILS. (12) CONSTRUCT CONCRETE CROSS GUTTER AND SPANDREL PER STANDARD PLANS FOR PUBLIC WORKS
- (13) CONSTRUCT BIKE RAMP PER DETAIL "5" ON SHEET C9.
- (14) CONSTRUCT ACCESSIBLE CURB RAMP PER DETAIL "6" ON SHEET C9.
- (15) CONSTRUCT ACCESSIBLE CURB RAMP PER 2010 CALTRANS STANDARD PLAN RSP A88A, CASE "G" AND ASSOCIATED NOTES.

CONSTRUCTION (GREEN BOOK) STANDARD PLAN 122-1. MODIFY THE GUTTER WIDTH TO 4'.

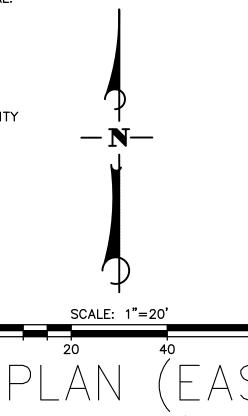
- CONSTRUCT ACCESSIBLE CURB RAMP PER 2010 CALTRANS STANDARD PLAN RSP A88A, DETAIL "D"
- CONSTRUCT ACCESSIBLE CURB RAMP PER 2010 CALTRANS STANDARD PLAN RSP A88A, CASE "A" (WIDTH PER PLAN) AND ASSOCIATED NOTES.
- (18) CONSTRUCT ACCESSIBLE CURB RAMP PER 2010 CALTRANS STANDARD PLAN RSP A88A, CASE "C" (WIDTH PER PLAN) WITH 6" WIDE RETAINING CURB (FROM 0" TO 6") AND ASSOCIATED NOTES.
- (19) CONSTRUCT METAL POLE STOP SIGN AND CONCRETE FOOTING PER 2010 CALTRANS STANDARD PLANS RS1 AND RS4. FOOTING SHALL BE 9" DIA. BY 3' DEEP, 3000 PSI CONCRETE. POLE SHALL HAVE MIN. 2' EMBEDMENT INTO FOOTING.
- (20) REMOVE EXISTING CONCRETE PAVEMENT.
- (21) MATCH EXISTING RAMP GRADES.
- CONSTRUCT MINIMUM 3' WIDE DETECTABLE WARNING SURFACE (TRUNCATED DOMES) PER 2010 CALTRANS STANDARD PLAN RSP A88A AND COMPLY WITH CBC 1133B.8.5.
- CONSTRUCT 5' WIDE CURB OPENING AND 3' LONG CURB HEIGHT TRANSITION FROM 6" TO 0" ON BOTH SIDES.
- PAINT BLUE INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) PAVEMENT MARKING AND STRIPING FOR ACCESSIBLE PARKING SPACE PER 2010 CALTRANS STANDARD PLANS RSP A24C AND RSP A90A.
- (25) CONSTRUCT 5' LONG CONCRETE WHEEL STOP PER DETAIL "7" ON SHEET C9.
- (26) FURNISH AND INSTALL ACCESSIBLE PARKING SIGNS (R99(CA) AND R99B(CA)) AND METAL POST PER 2010 CALTRANS STANDARD PLAN RSP A90A AT LOCATION SHOWN ON PLAN
- (27) CONSTRUCT CURB HIGH TRANSITION (FROM 0" TO 6", LENGTH PER PLAN).
- (28) CONSTRUCT O" HIGH CURB AND 18" GUTTER PER DETAIL "12" ON SHEET C9.
- (29) CONSTRUCT O" HIGH CURB PER DETAIL "8" ON SHEET C9.
- CONSTRUCT 4" THICK CONCRETE PAD (6" BELOW TOP OF CURB FOR INSTALLING PERMIT DISPENSER), OVER 4" THICK CL. 2 AGGREGATE BASE. COMPACT AGGREGATE BASE AND TOP 12" SOILS MATERIALS TO MIN. 95% COMPACTION. INSTALL PERMIT DISPENSER COMPLETE WITH ELECTRICAL/COMMUNICATION LINE PER CAMPUS STANDARD.
- (31) PROTECT AND RELOCATE EXISTING PERMIT DISPENSER TO THIS LOCATION. CONSTRUCT 4" THICK CONCRETE PAD (6" BELOW TOP OF CURB FOR INSTALLING PERMIT DISPENSER), OVER 4" THICK CL. 2 AGGREGATE BASE. COMPACT AGGREGATE BASE AND TOP 12" SOILS MATERIALS TO MIN. 95% COMPACTION. INSTALL PERMIT DISPENSER COMPLETE WITH ELECTRICAL/COMMUNICATION LINE PER
- (32) CONSTRUCT 4" DIA. REMOVABLE METAL BOLLARDS, TOTAL 5 BOLLARDS, PER DETAIL "9" ON SHEET C9.
- (33) PAINT 4" YELLOW CENTERLINE STRIPE (DETAIL 1) PER 2010 CALTRANS STANDARD PLAN A20A.
- PAINT 4" WHITE PARKING STRIPES PER PLAN (12" LONG PERPENDICULAR TO ROAD AND 24" LONG PARALLEL TO ROAD).
- (35) CONSTRUCT POROUS PAVEMENT PER STRUCTURAL SECTION DETAIL "16" ON SHEET C10.
- (36) CONSTRUCT CONCRETE PAVERS PER STRUCTURAL SECTION DETAIL "17" ON SHEET C10.
- (37) CONSTRUCT GRADED SWALE PER DETAIL "18" ON SHEET C10.

# PROTECT, ADJUST, AND REMOVE UTILITY CONSTRUCTION NOTES

- (FOR ALL EXISTING UTILITIES IN CONFLICT WITH PROPOSED CONSTRUCTION AND RECORRECT).
- ADJUST EXISTING UTILITIES TO FINISH GRADES (TYP. FOR ENTIRE PROJECT INCLUDING THOSE NOT SHOWN ON PLAN).
- REMOVE EXISTING UTILITIES BOTH ABOVE AND BELOW GRADES AND BACKFILLED WITH SOILS AND COMPACTED TO 95% COMPACTION TO BELOW PROPOSED STRUCTURAL SECTION.
- (3) PROTECT AND RELOCATE FIRE HYDRANT COMPLETE WITH VALVES AND RECONNECTION TO EXISTING WATERLINE.
- ABANDON EXISTING UNDERGROUND PIPE/SYSTEM IN PLACE OR REMOVE IT IF IN CONFLICT WITH PROPOSED CONSTRUCTION. (5) PROTECT AND RELOCATE EXISTING STREET LIGHT PER LANDSCAPE PLAN.
- (6) PROTECT EXISTING TRANSFORMER IN PLACE.
- 7 RELOCATE EXISTING BACKFLOW PREVENTER AND INSTALL PER DETAIL "15" ON SHEET C9. CONSTRUCT 4" DIA. C900 CLASS 305 PVC WATERLINE PER DETAIL "11" ON SHEET C9. CONNECT WATERLINE TO EXISTING 4" DIA. PVC WATERLINE WITH ALL NECESSARY FITTINGS.

# STORM DRAIN CONSTRUCTION NOTES

- CONSTRUCT 6" OR 8" OR 12" DIA. HIGH DENSITY POLYETHYLENE PIPE (HDPE) STORM DRAIN, HANCOR PRODUCT SURE-LOK WT OR EQUAL PER DETAIL SECTION "11" ON SHEET C9. SIZE AS SHOWN ON PLANS.
- 2 CONSTRUCT 12"x12" CONCRETE CATCH BASIN BROOKS PRODUCT OR EQUAL. USE TRAFFIC RATED GRATE AND COVER IN PAVEMENT AREA.
- 3 CONNECT STORM DRAIN TO EXISTING OR PROPOSED CATCH BASIN.
- CONSTRUCT 6" HIGH CONCRETE CURB PER DETAIL "3" ON SHEET C9 AROUND CONCRETE CATCH BASIN STRUCTURE.
- 5 CONSTRUCT 5' LONG TYPE C DROP INLET PER COUNTY STANDARD DETAIL 3-050, 6" WINDOW ON FRONT. APRON NOT REQUIRED.
- 6 CONNECT TO PROPOSED AND EXISTING STORM DRAINS WITH WYE CONNECTION PER DETAIL "13" ON SHEET C9.
- 7 CONSTRUCT 18"x18" CONCRETE CATCH BASIN BROOKS PRODUCT OR EQUAL.
- USE TRAFFIC RATED GRATE AND COVER IN PAVEMENT AREA.
- 8 ADJUST CATCH BASIN STRUCTURE TO FINISH GRADE.
- 9 CONSTRUCT 4' DIA. DRAINAGE MANHOLE PER COUNTY STANDARD DETAIL 3-080
- 10 CONSTRUCT 7' LONG OPEN CURB DROP INLET WITH APRON LIP PER COUNTY STANDARD 3-020, 6" WINDOW ON FRONT.
- 11 CONSTRUCT ULTRA-URBAN FILTER WITH SMART SPONGE IN EXISTING OR PROPOSED CATCH BASIN OR INLET, ABTECH INDUSTRIES INC.



GRADING AND DRAINAGE PLAN (EAS UCSB FM NO. 140426L/986615

SUDING DESIGN Landscape Architects

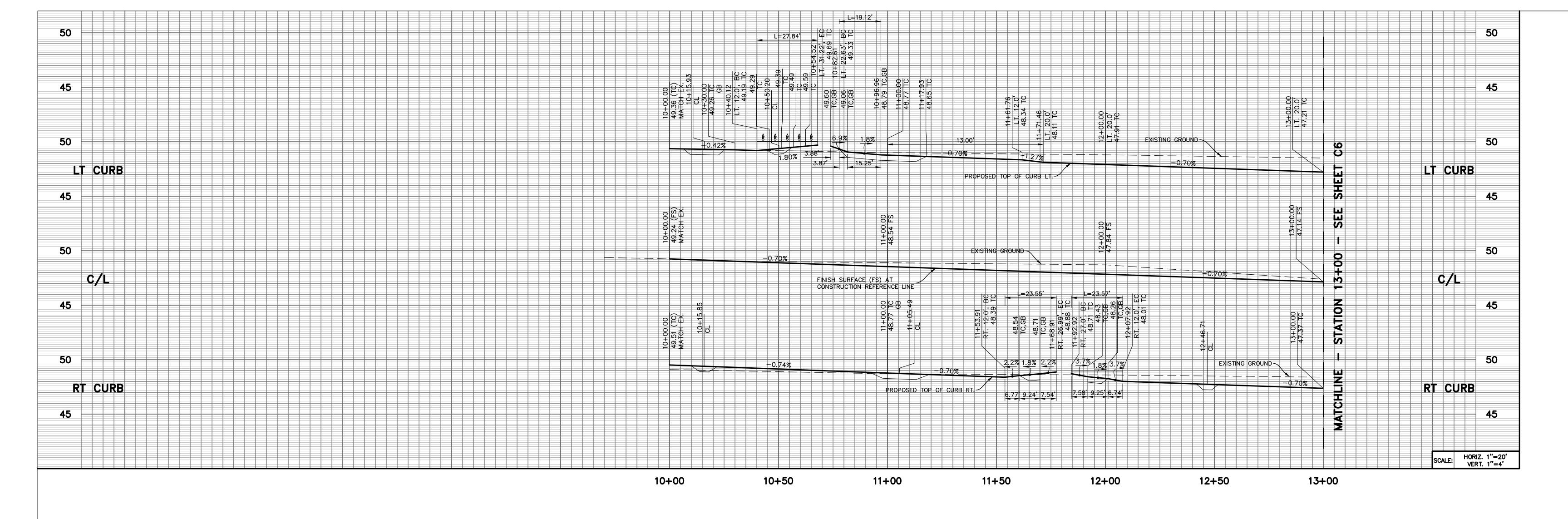
1263 Bel Air Drive Santa Barbara, CA 93101 Telephone (805) 687-9455 Facsimile (805) 687-9433

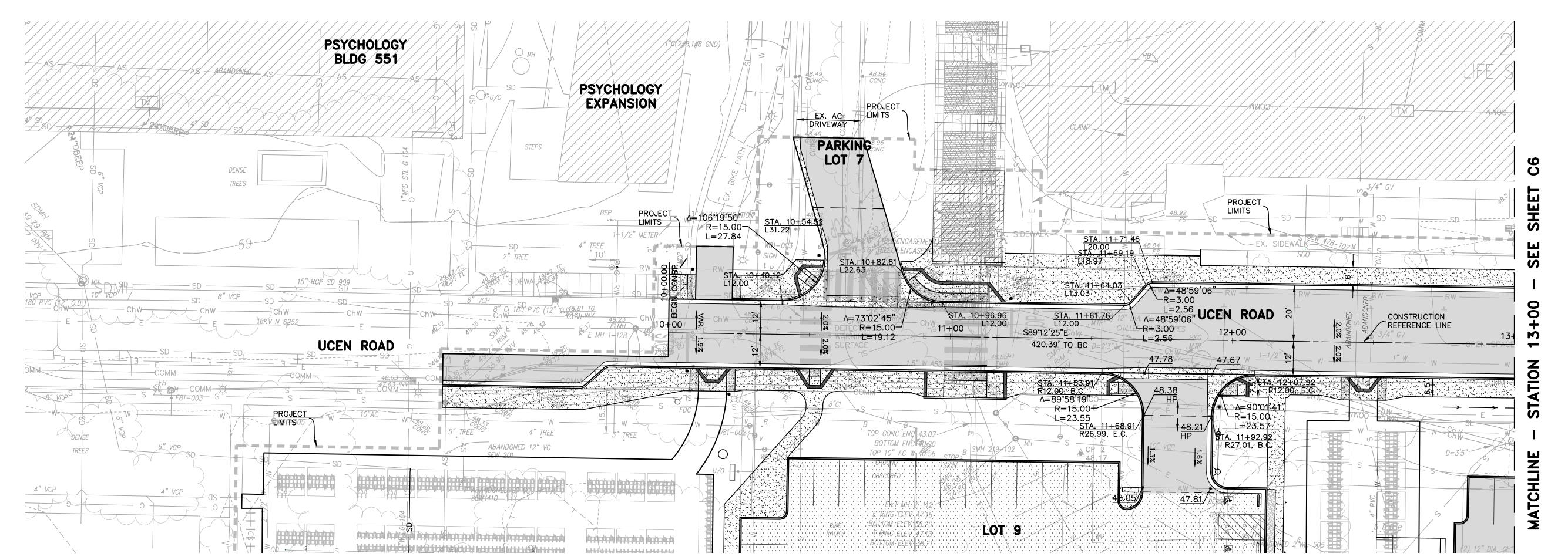
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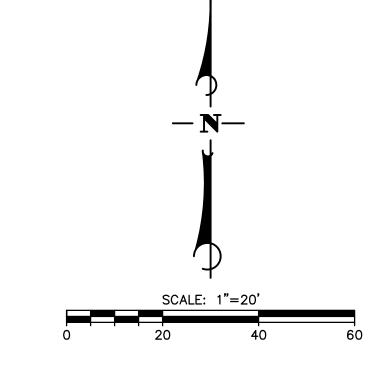


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CAUTION

FOR REDUCED PLANS
ORIGINAL SCALE IN INCHES

CONTRACTOR SHALL POTHOLE AND VERIFY ALL EXISTING UTILITIES WITHIN PROJECT SITE PRIOR TO CONSTRUCTION AND REPORT ANY CONFLICTS TO THE UNIVERSITY'S REPRESENTATIVE. CONTRACTOR SHALL PROPOSE ANY HORIZONTAL REALIGNMENT AND/OR VERTICAL ADJUSTMENT FOR UTILITY DESIGN TO THE UNIVERSITY'S REPRESENTATIVE FOR APPROVAL PRIOR TO CONSTRUCTION AT NO ADDITIONAL COST TO THE UNIVERSITY OR THE PROJECT.

ROAD PLAN AND PROFILE (WEST)

UCSB FM NO. 140426L/986615

SUDING DESIGN Landscape Architects

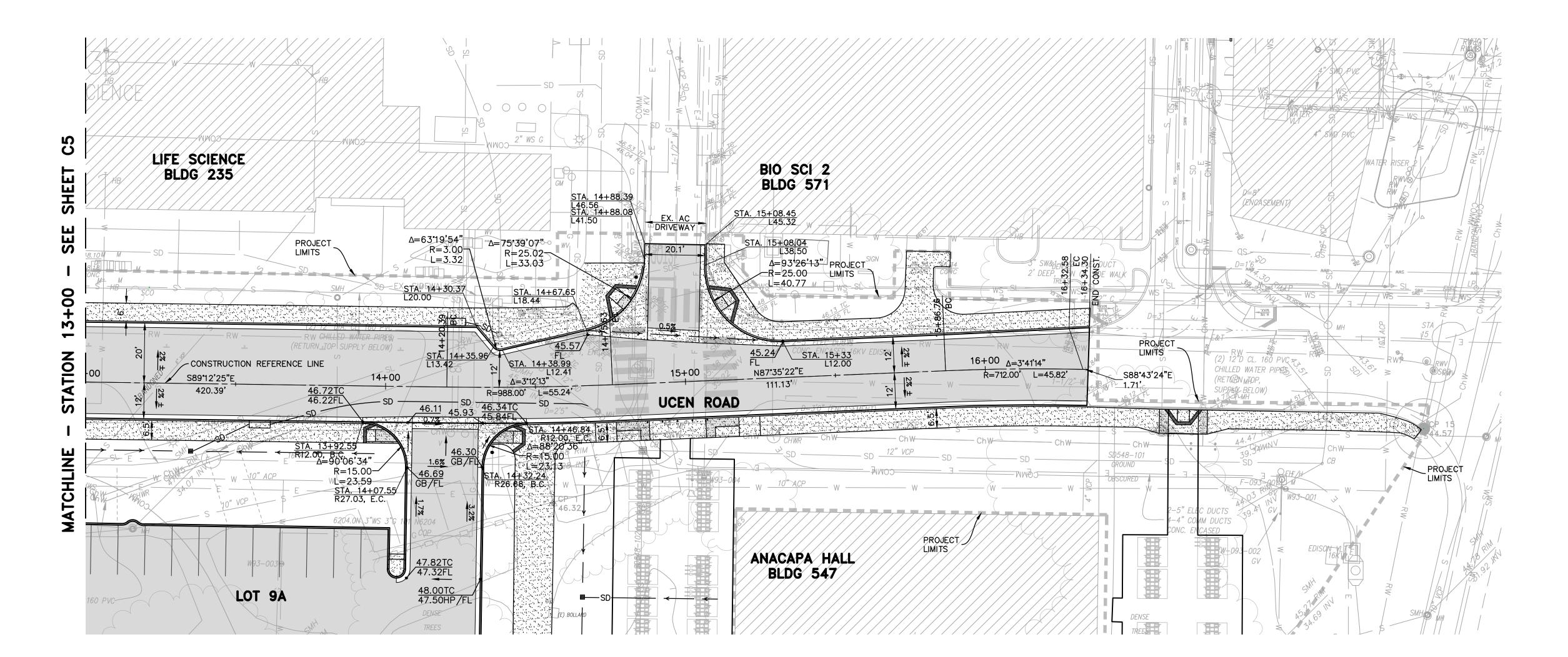
1263 Bel Air Drive Santa Barbara, CA 93101 Telephone (805) 687-9455 Facsimile (805) 687-9433

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ROAD PLAN AND PROFILE (EAST)

UCSB FM NO. 140426L/986615

CAUTION

CONTRACTOR SHALL POTHOLE AND VERIFY ALL EXISTING UTILITIES WITHIN PROJECT SITE PRIOR TO CONSTRUCTION AND REPORT ANY CONFLICTS TO THE UNIVERSITY'S REPRESENTATIVE. CONTRACTOR SHALL PROPOSE ANY HORIZONTAL REALIGNMENT AND/OR VERTICAL ADJUSTMENT FOR UTILITY DESIGN TO THE UNIVERSITY'S REPRESENTATIVE FOR APPROVAL PRIOR TO CONSTRUCTION AT NO ADDITIONAL COST TO THE UNIVERSITY OR THE PROJECT.

FOR REDUCED PLANS
ORIGINAL SCALE IN INCHES

SUDING DESIGN Landscape Architects

Santa Barbara, CA 93101 Telephone (805) 687-9455 Facsimile (805) 687-9433

11-12-13 4-16-14 5-12-14 6-20-14 8-20-14 4-15-15



NO 44255

UCSB DWG NO. 34-388

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SUDING DESIGN

1263 Bel Air Drive

Santa Barbara, CA 93101

111 East Victoria Street,

Santa Barbara, CA 93101

Phone: (805) 963-9532

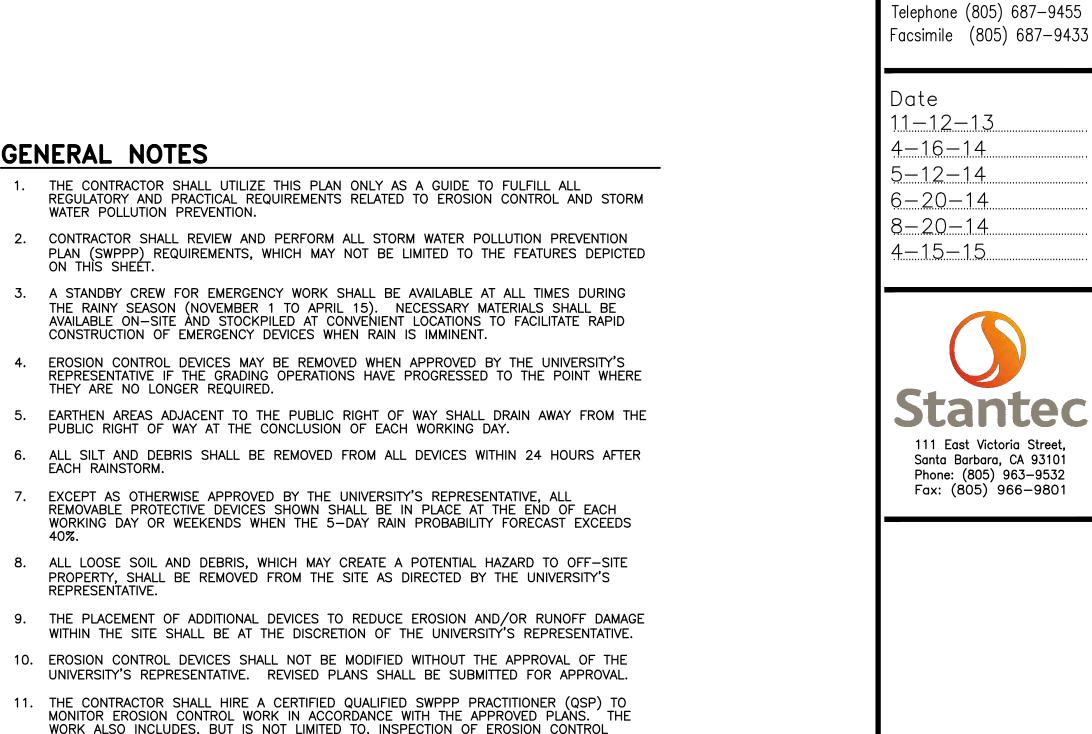
Fax: (805) 966-9801

Landscape Architects

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UCSB DWG NO. 34-388

EROSION CONTROL PLAN (WEST) UCSB FM NO. 140426L/986615



FIBER ROLL AND SILT FENCE CONCRETE WASH-OFF AREA STABILIZED ENTRANCE

# EROSION CONTROL CONSTRUCTION NOTES

1 CONSTRUCT FIBER ROLL PER DETAIL "A" ON SHEET C10 AND SILT FENCE PER DETAIL "D" ON SHEET C10. FIBER ROLL SPACING SHALL NOT EXCEED 20' SPACING FOR SLOPES 4:1 AND FLATTER, 15' FOR SLOPES BETWEEN 2:1 AND 4:1, AND 10' FOR SLOPES 2:1 AND GREATER (U.N.O.).

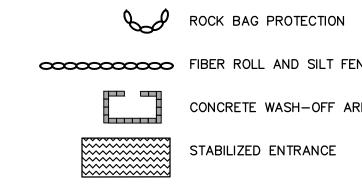
COMPACTED THICKNESS OF 2" TO 3" DIAMETER GRAVEL PAD) AT ALL ACCESS POINTS

# **GENERAL NOTES**

- THE CONTRACTOR SHALL UTILIZE THIS PLAN ONLY AS A GUIDE TO FULFILL ALL REGULATORY AND PRACTICAL REQUIREMENTS RELATED TO EROSION CONTROL AND STORM WATER POLLUTION PREVENTION.
- 2. CONTRACTOR SHALL REVIEW AND PERFORM ALL STORM WATER POLLUTION PREVENTION PLAN (SWPPP) REQUIREMENTS, WHICH MAY NOT BE LIMITED TO THE FEATURES DEPICTED
- 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 MAY BE REMOVED WHEN APPROVED BY THE UNIVERSITY'S REPRESENTATIVE IF THE GRADING OPERATIONS HAVE PROGRESSED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED.
- 5. EARTHEN AREAS ADJACENT TO THE PUBLIC RIGHT OF WAY SHALL DRAIN AWAY FROM THE PUBLIC RIGHT OF WAY AT THE CONCLUSION OF EACH WORKING DAY.

- PROPERTY, SHALL BE REMOVED FROM THE SITE AS DIRECTED BY THE UNIVERSITY'S REPRESENTATIVE.
- 9. THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION AND/OR RUNOFF DAMAGE WITHIN THE SITE SHALL BE AT THE DISCRETION OF THE UNIVERSITY'S REPRESENTATIVE.
- UNIVERSITY'S REPRESENTATIVE. REVISED PLANS SHALL BE SUBMITTED FOR APPROVAL.
- 11. THE CONTRACTOR SHALL HIRE A CERTIFIED QUALIFIED SWPPP PRACTITIONER (QSP) TO MONITOR EROSION CONTROL WORK IN ACCORDANCE WITH THE APPROVED PLANS. THE WORK ALSO INCLUDES, BUT IS NOT LIMITED TO, INSPECTION OF EROSION CONTROL MEASURES BEFORE EACH RAINSTORM AND 5-DAY PROBABILITY RAIN FORECAST, AS WELL AS WEEKLY AND QUARTERLY MONITORING, AND FILE ANNUAL REPORTS AND NOTICE OF TERMINATION AFTER THE PROJECT COMPLETION.
- 12. IF RAIN IS FORECAST OR THREATENING, ALL STOCKPILED MATERIALS SHALL BE TARPED TO PREVENT EROSION. TARP SHALL BE ANCHORED WITH GRAVEL FILLED BAGS AT 8' INTERVALS.
- 13. WHENEVER SEDIMENT-LADEN WATER MUST BE REMOVED FROM THE CONSTRUCTION SITE, A DEWATERING PUMP, A FILTER BOX, PORTABLE SEDIMENT TANK, OR SOME FORM OF FILTERING MEDIA IS TO BE USED PRIOR TO OR DURING DISCHARGE.

# EROSION CONTROL LEGEND



- 2 CONSTRUCT DRAIN INLET PROTECTION PER DETAIL "B" ON SHEET C10 FOR USE DURING PROJECT CONSTRUCTION.
- 3 CONSTRUCT CONCRETE WASH-OUT AREA PER DETAIL "C" ON SHEET C10.
- 4 CONSTRUCT STABILIZED ENTRANCE (A MINIMUM 20 FEET LONG BY FULL CONSTRUCTION ENTRANCE ROADWAY WIDTH METAL RUMBLE STRIP OR AS AN ALTERNATE 12" FROM THE JOB SITE TO PREVENT TRACKING OF MUD ONTO PUBLIC ROADS, UNLESS OTHERWISE APPROVED BY UNIVERSITY'S REPRESENTATIVE.

- ABANDONED 6" VC SV -

PSYCHOLOGY

**BLDG** 551

UCEN ROAD

20 / s

SEW 410

BACKFILLED SMH 201-105

Juny Juny

\_**\_\_\_LIMITS**105

PROJECT \_ LIMITS

PSYCHOLOGY EXPANSION

PROJECT

LIMITS

1+1/2" METER/

PROJECT \_ LIMITS

SANTA ROSA HALL

**BLDG 527** 

PRÓJECT

\$11+00

PROJECT

BOTTOM ENCHED:20 TOP 10" AC WILLEPE

E. RING ELEV 47.16

T RING ELEV 47.13 BOTTOM ELEV 38.21

BOTTOM ELEV 38:20

PROJECT

EX. SIDEWALK 478-10-11

YEX. SIDEWALK .

ANACAPA HALL

**BLDG 547** 

LIMITS

UCEN ROAD

12+00

LIMITS

DRIVEWAY

PARKING

FOR REDUCED PLANS
ORIGINAL SCALE IN INCHES

- 2. CONTRACTOR SHALL REVIEW AND PERFORM ALL STORM WATER POLLUTION PREVENTION

- 5. EARTHEN AREAS ADJACENT TO THE PUBLIC RIGHT OF WAY SHALL DRAIN AWAY FROM THE PUBLIC RIGHT OF WAY AT THE CONCLUSION OF EACH WORKING DAY.
- 6. ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM.
- EXCEPT AS OTHERWISE APPROVED BY THE UNIVERSITY'S REPRESENTATIVE, ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY OR WEEKENDS WHEN THE 5-DAY RAIN PROBABILITY FORECAST EXCEEDS
- 8. ALL LOOSE SOIL AND DEBRIS, WHICH MAY CREATE A POTENTIAL HAZARD TO OFF-SITE

- UNIVERSITY'S REPRESENTATIVE. REVISED PLANS SHALL BE SUBMITTED FOR APPROVAL.
- 12. IF RAIN IS FORECAST OR THREATENING, ALL STOCKPILED MATERIALS SHALL BE TARPED TO PREVENT EROSION. TARP SHALL BE ANCHORED WITH GRAVEL FILLED BAGS AT 8'

# **EROSION CONTROL LEGEND**

ROCK BAG PROTECTION

CONCRETE WASH-OFF AREA

- 1 CONSTRUCT FIBER ROLL PER DETAIL "A" ON SHEET C10 AND SILT FENCE PER DETAIL "D" ON SHEET C10. FIBER ROLL SPACING SHALL NOT EXCEED 20' SPACING FOR SLOPES 4:1 AND FLATTER, 15' FOR SLOPES BETWEEN 2:1 AND 4:1, AND 10' FOR SLOPES 2:1 AND GREATER (U.N.O.).
- 3 CONSTRUCT CONCRETE WASH-OUT AREA PER DETAIL "C" ON SHEET C10.

GENERAL NOTES

THE CONTRACTOR SHALL UTILIZE THIS PLAN ONLY AS A GUIDE TO FULFILL ALL REGULATORY AND PRACTICAL REQUIREMENTS RELATED TO EROSION CONTROL AND STORM WATER POLLUTION PREVENTION.

- PLAN (SWPPP) REQUIREMENTS, WHICH MAY NOT BE LIMITED TO THE FEATURES DEPICTED ON THIS SHEET.
- 3. A STANDBY 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 MAY BE REMOVED WHEN APPROVED BY THE UNIVERSITY'S REPRESENTATIVE IF THE GRADING OPERATIONS HAVE PROGRESSED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED.

- PROPERTY, SHALL BE REMOVED FROM THE SITE AS DIRECTED BY THE UNIVERSITY'S REPRESENTATIVE.
- 9. THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION AND/OR RUNOFF DAMAGE WITHIN THE SITE SHALL BE AT THE DISCRETION OF THE UNIVERSITY'S REPRESENTATIVE.
- 10. EROSION CONTROL DEVICES SHALL NOT BE MODIFIED WITHOUT THE APPROVAL OF THE
- 11. THE CONTRACTOR SHALL HIRE A CERTIFIED QUALIFIED SWPPP PRACTITIONER (QSP) TO MONITOR EROSION CONTROL WORK IN ACCORDANCE WITH THE APPROVED PLANS. THE WORK ALSO INCLUDES, BUT IS NOT LIMITED TO, INSPECTION OF EROSION CONTROL MEASURES BEFORE EACH RAINSTORM AND 5-DAY PROBABILITY RAIN FORECAST, AS WELL AS WEEKLY AND QUARTERLY MONITORING, AND FILE ANNUAL REPORTS AND NOTICE OF TERMINATION AFTER THE PROJECT COMPLETION.
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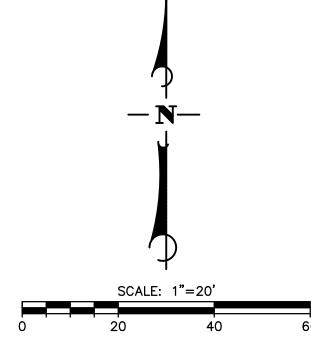
FIBER ROLL AND SILT FENCE

STABILIZED ENTRANCE

EROSION CONTROL CONSTRUCTION NOTES

2 CONSTRUCT DRAIN INLET PROTECTION PER DETAIL "B" ON SHEET C10 FOR USE DURING PROJECT CONSTRUCTION.

CONSTRUCT STABILIZED ENTRANCE (A MINIMUM 20 FEET LONG BY FULL CONSTRUCTION ENTRANCE ROADWAY WIDTH METAL RUMBLE STRIP OR AS AN ALTERNATE 12" COMPACTED THICKNESS OF 2" TO 3" DIAMETER GRAVEL PAD) AT ALL ACCESS POINTS FROM THE JOB SITE TO PREVENT TRACKING OF MUD ONTO PUBLIC ROADS, UNLESS OTHERWISE APPROVED BY UNIVERSITY'S REPRESENTATIVE.



EROSION CONTROL PLAN (EAST) UCSB FM NO. 140426L/986615

UCSB DWG NO. 34-388

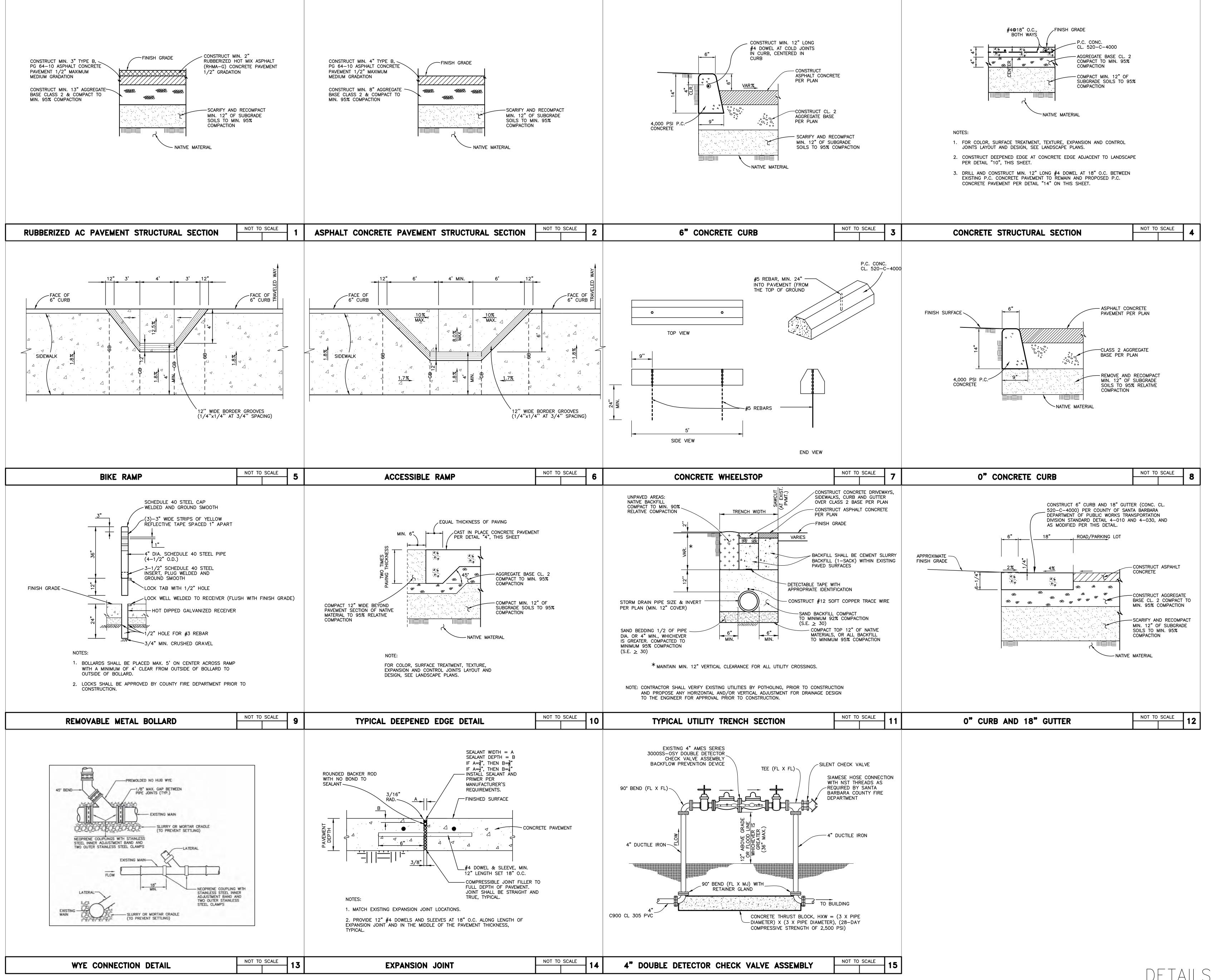
SUDING DESIGN Landscape Architects

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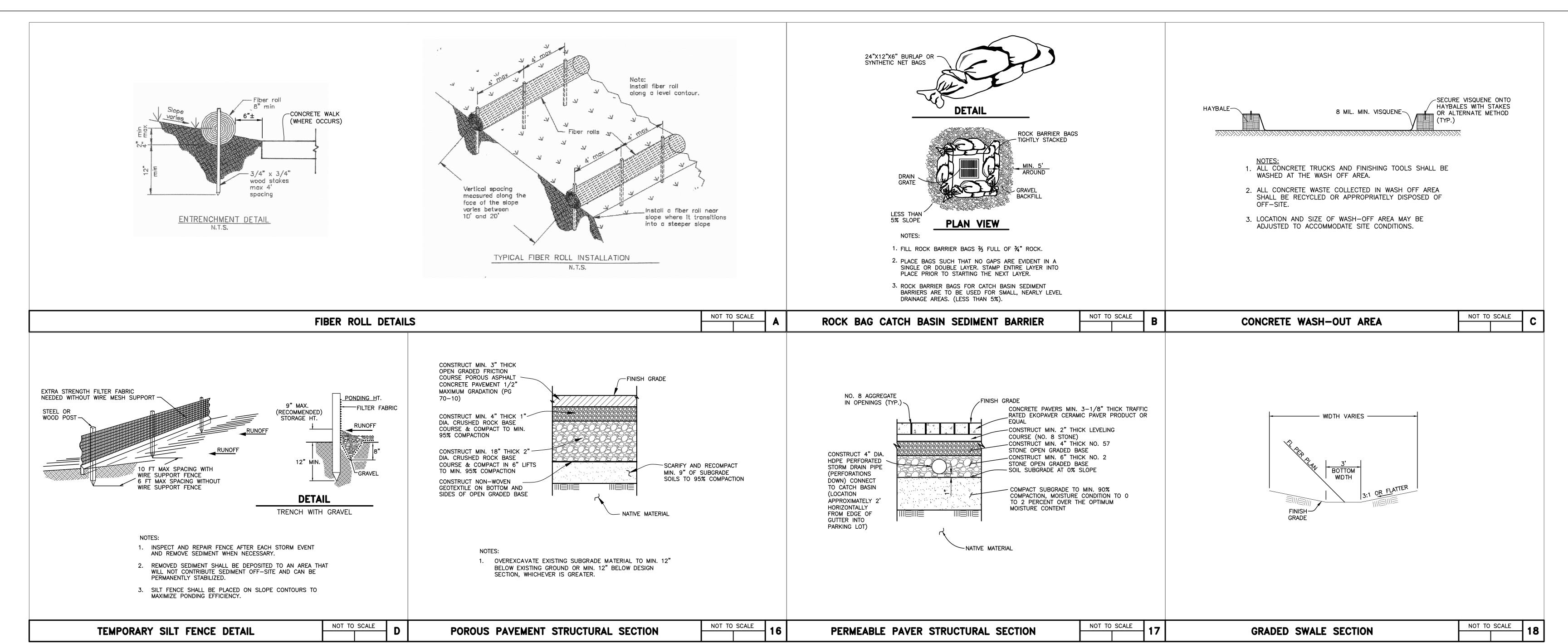
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DETAILS