

GENERAL NOTES:

- 1. APPROVAL OF THIS GRADING PLAN DOES NOT CONSTITUTE APPROVAL OF VERTICAL OR HORIZONTAL ALIGNMENT OF ANY PRIVATE ROAD SHOWN HEREON FOR COUNTY ROAD PURPOSES.
2. FINAL APPROVAL OF THESE GRADING PLANS SUBJECT TO FINAL APPROVAL OF THE ASSOCIATED IMPROVEMENT PLANS WHERE APPLICABLE. FINAL CURB ELEVATIONS MAY REQUIRE CHANGES IN THESE PLANS.
3. IMPORT MATERIAL SHALL BE OBTAINED FROM A LEGAL SITE.
4. A CONSTRUCTION, EXCAVATION OR ENCROACHMENT PERMIT FROM THE DEPARTMENT OF PUBLIC WORKS WILL BE REQUIRED FOR ANY WORK IN THE COUNTY RIGHT-OF-WAY.
5. ALL SLOPES OVER THREE FEET IN HEIGHT WILL BE PLANTED IN ACCORDANCE WITH SAN DIEGO COUNTY SPECIFICATIONS.
6. THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK. NOTICE OF PROPOSED WORK SHALL BE GIVEN TO THE FOLLOWING AGENCIES:
SAN DIEGO GAS & ELECTRIC: TELEPHONE: (877) 789-9866
AT&T (TELEPHONE): (866) 722-3425
COK (CITY): TELEPHONE: (619) 262-1122
VALLEY CENTER MUNICIPAL WATER DISTRICT: (SEWER AND WATER) TELEPHONE: (760) 749-1603
7. A SOILS REPORT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.
8. APPROVAL OF THESE PLANS BY THE DIRECTOR OF PUBLIC WORKS DOES NOT AUTHORIZE ANY WORK OR GRADING TO BE PERFORMED UNTIL THE PROPERTY OWNER'S PERMISSION HAS BEEN OBTAINED AND VALID GRADING PERMIT HAS BEEN ISSUED.
9. THE DIRECTOR OF PUBLIC WORKS' APPROVAL OF THESE PLANS DOES NOT CONSTITUTE COUNTY BUILDING OFFICIAL APPROVAL OF ANY FOUNDATION FOR STRUCTURES TO BE PLACED ON THE AREA COVERED BY THESE PLANS. NO WAIVER OF THE GRADING ORDINANCE REQUIREMENTS CONCERNING MINIMUM COVER OVER EXPANSIVE SOIL IS MADE OR IMPLIED (SECTIONS 87.403 & 87.410). ANY SUCH WAIVER MUST BE OBTAINED FROM THE DIRECTOR OF PLANNING AND LAND USE.
10. ALL OPERATIONS CONDUCTED ON THE PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTHMOVING EQUIPMENT, AND ANY OTHER ASSOCIATED GRADING EQUIPMENT SHALL BE LIMITED TO THE PERIOD BETWEEN 7:00 AM AND 6:00 PM EACH DAY, MONDAY THRU SATURDAY, AND NO EARTHMOVING OR GRADING OPERATIONS SHALL BE CONDUCTED ON THE PREMISES ON SUNDAYS OR HOLIDAYS.
11. ALL MAJOR SLOPES SHALL BE ROUNDED INTO EXISTING TERRAIN TO PRODUCE A CONTINUOUS TRANSITION FROM CUT OR FILL FACES TO NATURAL GROUND AND ABUTTING CUT OR FILL SURFACES.
12. NOTWITHSTANDING THE MINIMUM STANDARDS SET FORTH IN THE GRADING ORDINANCE AND NOTWITHSTANDING THE APPROVAL OF THESE GRADING PLANS, THE PERMITEE IS RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO ADJACENT PROPERTY. NO PERSON SHALL EXCAVATE ON LAND SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY ADJACING PUBLIC STREET, SIDEWALK, ALLEY, FUNCTION OF ANY SEWAGE DISPOSAL SYSTEM, OR ANY OTHER PUBLIC OR PRIVATE PROPERTY WITHOUT SUPPORTING AND PROTECTING SUCH PROPERTY FROM SETTLING, CRACKING, EROSION SILTING, SCOUR OR OTHER DAMAGE WHICH MIGHT RESULT FROM THE GRADING DESCRIBED ON THIS PLAN. THE COUNTY WILL HOLD THE PERMITEE RESPONSIBLE FOR CORRECTION OF NON-DEDICATED IMPROVEMENTS WHICH DAMAGE ADJACENT PROPERTY.
13. SLOPE RATIOS: EXCAVATION: 12,115 CY
FILL: 29,050 CY
CUT-2:1 UNDERCUTS: 6,145 CY
FILL-2:1 IMPORT: 10,790 CY
GRAVEL: 3,200 CY (GRAVEL FOR GRAVELPAVE2)
(NOTE: A SEPARATE VALID PERMIT MUST EXIST FOR EITHER WASTE OR IMPORT AREAS BEFORE PERMIT TO BE ISSUED)
14. SPECIAL CONDITION: IF ANY ARCHEOLOGICAL RESOURCES ARE DISCOVERED ON THE SITE OF THIS GRADING DURING GRADING OPERATIONS, SUCH OPERATIONS WILL CEASE IMMEDIATELY, AND THE PERMITEE WILL NOTIFY THE DIRECTOR OF PUBLIC WORKS OF THE DISCOVERY. GRADING OPERATIONS WILL NOT RECOMMENCE UNTIL THE PERMITEE HAS RECEIVED WRITTEN AUTHORITY FROM THE DIRECTOR OF PUBLIC WORKS.
15. PERMANENT POST-CONSTRUCTION BMP DEVICES SHOWN ON PLAN SHALL NOT BE REMOVED OR MODIFIED WITHOUT THE APPROVAL FROM THE DEPARTMENT OF PUBLIC WORKS.
16. ALL GRADING DETAILS WILL BE ACCORDANCE WITH SAN DIEGO COUNTY DESIGN STANDARDS DS-8, DS-10 AND DS-11.
17. THE CONSTRUCTION OF ONE PCC STANDARD RESIDENTIAL DRIVEWAY PER LOT, LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER OF WORK. PCC SURFACING OF DRIVEWAY TO EXTEND FROM CURB TO PROPERTY LINE. USE STANDARD DRAWINGS G-14A, G-14B, G-14C, G-15 AND G-16.
18. FINISHED GRADING SHALL BE CERTIFIED BY A REGISTERED CIVIL ENGINEER AND INSPECTED BY THE COUNTY ENGINEER FOR DRAINAGE CLEARANCE (APPROVAL OF ROUGH GRADING DOES NOT CERTIFY FINISH BECAUSE OF POTENTIAL SURFACE DRAINAGE PROBLEMS THAT MAY BE CREATED BY LANDSCAPING ACCOMPLISHED AFTER ROUGH GRADING CERTIFICATION).

- 1. GRADING FOR THE PROJECT SHOULD BE ENCOURAGED DURING THE DRY SEASON (MAY 1 THROUGH SEPTEMBER 30). GRADING WHICH OCCURS DURING THE RAINY SEASON (OCTOBER 1 TO APRIL 30) SHALL REQUIRE SPECIAL ENGINEERING TECHNIQUES APPROVED BY THE COUNTY ENGINEER, IN ADDITION TO EROSION CONTROL MEASURES CONTAINED IN THE COUNTY'S LAND DEVELOPMENT ORDINANCE.
2. EMERGENCY EROSION CONTROL MEASURES ARE REQUIRED TO CONTROL SOILS MOVEMENT SATISFACTORY TO THE DIRECTOR OF PUBLIC WORKS IN THE EVENT THE SITE IS EXPOSED TO EROSION DURING THE PERIOD BETWEEN OCTOBER 1ST AND APRIL 30TH. EROSION CONTROL MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, SLOPE PROTECTION, INSTALLATION OF JUTE MATTING OR APPROVED EQUIVALENT, SILTING BASINS, SILT CONTROL GRAVEL BAGGING AND STORM DRAINS.
3. TEMPORARY EROSION CONTROL DEVICES SHOWN ON THE GRADING PLAN WHICH INTERFERE WITH THE WORK SHALL BE RELOCATED OR MODIFIED AS NECESSARY AND WHEN THE INSPECTOR SO DIRECTS AS THE WORK PROGRESSES.
4. BRUSH AND TREES SHALL BE REMOVED ONLY WITHIN THE AREA TO BE GRADED. WHEN TREES ARE REMOVED, THE ROOT SYSTEMS SHALL ALSO BE REMOVED AND THE RESULTING EXCAVATION FILLED WITH PROPERLY COMPACTED FILL SOILS.
5. CUT AND FILL SLOPES SHALL BE TRIMMED TO THE FINISH GRADE TO PRODUCE A SMOOTH AND UNIFORM SURFACE OR CROSS-SECTION. THE SLOPES OF EXCAVATIONS OR EMBANKMENTS SHALL BE SHAPED AND TRIMMED AS DIRECTED BY THE ENGINEER OF WORK AND LEFT IN A NEAT AND ORDERLY CONDITION. ALL STONES, ROOTS, OR OTHER WASTE MATTER EXPOSED ON EXCAVATION OR EMBANKMENT SLOPE SHALL BE REMOVED AND DISPOSED OF.
6. WHERE TRENCHES ARE WITHIN EASEMENTS, SOILS REPORTS SHALL BE SUBMITTED TO THE ENGINEER OF WORK BY A QUALIFIED SOILS ENGINEER WHICH INDICATES THAT TRENCH BACKFILL WAS COMPACTED AS OBSERVED BY THE SOILS ENGINEER IN ACCORDANCE WITH ON-SITE EARTHWORK SPECIFICATIONS.
7. CONTRACTOR WILL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF LOCATION OF EXISTING FACILITIES.
8. CONTRACTOR SHALL NOTIFY THE SAN DIEGO GAS & ELECTRIC COMPANY PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES.
9. CONTRACTOR SHALL NOTIFY AT&T PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES.
10. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
11. CONTRACTOR TO REPLACE ANY DAMAGED OR LOST MONUMENTS PER THE COUNTY OF SAN DIEGO STANDARDS AND PROCEDURES AND TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS.

IMPACT/EXPORT EARTHWORK Q > 1,000 C.Y.
PRIOR TO BEGINNING OF GRADING, SUBMIT A TRAFFIC CONTROL PLAN TO ENVIRONMENTAL SERVICE UNIT (ESU) FOR APPROVAL INCLUDING:
1. SPECIFIC TRUCK TRAVEL ROUTES.
2. ANTICIPATED LENGTH OF GRADING PERIOD INVOLVING THE NEED FOR TRUCK IMPORTS OF SOIL.
3. TIME OF OPERATIONS.
4. EXISTING CONDITIONS OF THE IMPACTED ROAD AREAS - INCLUDING TRAFFIC AND ROAD CONDITIONS.
5. TRAFFIC SAFETY INCLUDING SAFETY TO RESIDENTS ON FOOT, ON BICYCLE AND IN VEHICLES, AND POSSIBLE MITIGATION FOR AVOIDANCE OF SIGNIFICANT PEAK HOUR TRAFFIC AT CERTAIN INTERCHANGES, AND
6. INTERCHANGE GEOMETRY TO DETERMINE IF IT WILL ALLOW SAFE USE BY THE TRUCKS.

IMPORTANT NOTICE
Section 4216 of the Government Code requires that a Dig Alert Identification Number be issued before a "Permit to Excavate" will be valid. For your Dig Alert I.D. Number Call Underground Service Alert TOLL FREE 1-800-422-4133 Two working days before you dig

CONTRACTOR'S NOTE
Construction contractor agrees that in accordance with generally accepted construction practices, construction contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of the project, including safety of all persons and property, that this requirement shall be made to apply continuously and not be limited to normal working hours, and construction contractor further agrees to defend, indemnify and hold County of San Diego harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting liability arising from the sole negligence of County of San Diego professional.

ENGINEER'S NOTE
UNAUTHORIZED CHANGES & USES: The engineer preparing these plans will not be responsible for or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

GRADING NOTES:

- 1. GRADING FOR THE PROJECT SHOULD BE ENCOURAGED DURING THE DRY SEASON (MAY 1 THROUGH SEPTEMBER 30). GRADING WHICH OCCURS DURING THE RAINY SEASON (OCTOBER 1 TO APRIL 30) SHALL REQUIRE SPECIAL ENGINEERING TECHNIQUES APPROVED BY THE COUNTY ENGINEER, IN ADDITION TO EROSION CONTROL MEASURES CONTAINED IN THE COUNTY'S LAND DEVELOPMENT ORDINANCE.
2. EMERGENCY EROSION CONTROL MEASURES ARE REQUIRED TO CONTROL SOILS MOVEMENT SATISFACTORY TO THE DIRECTOR OF PUBLIC WORKS IN THE EVENT THE SITE IS EXPOSED TO EROSION DURING THE PERIOD BETWEEN OCTOBER 1ST AND APRIL 30TH. EROSION CONTROL MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, SLOPE PROTECTION, INSTALLATION OF JUTE MATTING OR APPROVED EQUIVALENT, SILTING BASINS, SILT CONTROL GRAVEL BAGGING AND STORM DRAINS.
3. TEMPORARY EROSION CONTROL DEVICES SHOWN ON THE GRADING PLAN WHICH INTERFERE WITH THE WORK SHALL BE RELOCATED OR MODIFIED AS NECESSARY AND WHEN THE INSPECTOR SO DIRECTS AS THE WORK PROGRESSES.
4. BRUSH AND TREES SHALL BE REMOVED ONLY WITHIN THE AREA TO BE GRADED. WHEN TREES ARE REMOVED, THE ROOT SYSTEMS SHALL ALSO BE REMOVED AND THE RESULTING EXCAVATION FILLED WITH PROPERLY COMPACTED FILL SOILS.
5. CUT AND FILL SLOPES SHALL BE TRIMMED TO THE FINISH GRADE TO PRODUCE A SMOOTH AND UNIFORM SURFACE OR CROSS-SECTION. THE SLOPES OF EXCAVATIONS OR EMBANKMENTS SHALL BE SHAPED AND TRIMMED AS DIRECTED BY THE ENGINEER OF WORK AND LEFT IN A NEAT AND ORDERLY CONDITION. ALL STONES, ROOTS, OR OTHER WASTE MATTER EXPOSED ON EXCAVATION OR EMBANKMENT SLOPE SHALL BE REMOVED AND DISPOSED OF.
6. WHERE TRENCHES ARE WITHIN EASEMENTS, SOILS REPORTS SHALL BE SUBMITTED TO THE ENGINEER OF WORK BY A QUALIFIED SOILS ENGINEER WHICH INDICATES THAT TRENCH BACKFILL WAS COMPACTED AS OBSERVED BY THE SOILS ENGINEER IN ACCORDANCE WITH ON-SITE EARTHWORK SPECIFICATIONS.
7. CONTRACTOR WILL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF LOCATION OF EXISTING FACILITIES.
8. CONTRACTOR SHALL NOTIFY THE SAN DIEGO GAS & ELECTRIC COMPANY PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES.
9. CONTRACTOR SHALL NOTIFY AT&T PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES.
10. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
11. CONTRACTOR TO REPLACE ANY DAMAGED OR LOST MONUMENTS PER THE COUNTY OF SAN DIEGO STANDARDS AND PROCEDURES AND TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS.

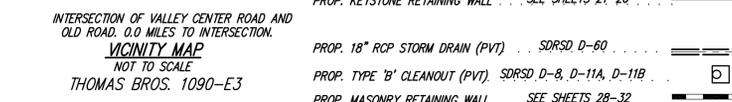
STORMWATER MANAGEMENT NOTES:

- 1. DURING THE RAINY SEASON THE AMOUNT OF EXPOSED SOIL ALLOWED AT ONE TIME SHALL NOT EXCEED THAT WHICH CAN BE ADEQUATELY PROTECTED BY THE PROPERTY OWNER IN THE EVENT OF A RAINSTORM. 120% OF ALL SUPPLIES NEEDED FOR BMP MEASURES SHALL BE RETAINED ON THE JOB SITE IN A MANNER THAT ALLOWS FOR FULL DEPLOYMENT AND COMPLETE INSTALLATION IN 48 HOURS OR LESS OF A FORECAST RAIN.
2. NO AREA BEING DISTURBED SHALL EXCEED 50 ACRES AT ANY GIVEN TIME WITHOUT DEMONSTRATING TO THE SAN DIEGO COUNTY DPW DIRECTOR'S SATISFACTION THAT ADEQUATE EROSION AND SEDIMENT CONTROL CAN BE MAINTAINED. ANY DISTURBED AREA THAT IS NOT ACTIVELY PROTECTED SHALL BE FULLY PROTECTED FROM EROSION. UNTIL ADEQUATE LONG-TERM PROTECTIONS ARE INSTALLED, THE DISTURBED AREA SHALL BE INCLUDED WHEN CALCULATING THE ACTIVE DISTURBANCE AREA. ALL EROSION CONTROL MEASURES SHALL REMAIN INSTALLED AND MAINTAINED DURING ANY INACTIVE PERIOD.
3. THE PROPERTY OWNER IS OBLIGATED TO INSURE COMPLIANCE WITH ALL APPLICABLE STORMWATER REGULATIONS AT ALL TIMES. THE BMP'S (BEST MANAGEMENT PRACTICES) THAT HAVE BEEN INCORPORATED INTO THIS PLAN SHALL BE IMPLEMENTED AND MAINTAINED TO EFFECTIVELY PREVENT THE POTENTIALLY NEGATIVE IMPACTS OF THIS PROJECT'S CONSTRUCTION ACTIVITIES ON STORMWATER QUALITY. THE MAINTENANCE OF THE BMP'S IS THE PERMITEE'S RESPONSIBILITY, AND FAILURE TO PROPERLY INSTALL OR MAINTAIN THE BMP'S MAY RESULT IN ENFORCEMENT ACTION BY THE COUNTY OF SAN DIEGO OR OTHERS. IF INSTALLED BMP'S FAIL, THEY MUST BE REPAIRED OR REPLACED WITH AN ACCEPTABLE ALTERNATE WITHIN 24 HOURS, OR AS SOON AS SAFE TO DO SO.
4. A NOTICE OF INTENT (NOI) HAS BEEN, OR WILL BE FILED WITH THE STATE WATER RESOURCES CONTROL BOARD (SWRCB) AND THAT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN OR WILL BE PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF CALIFORNIA GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY (PERMIT NO. CAS000002) AT ALL OPERATIONS ASSOCIATED WITH THESE PLANS. THE NOI NUMBER ASSIGNED BY SWRCB FOR THIS PROJECT IS NOT YET ASSIGNED, BUT WILL BE PROVIDED BEFORE A PERMIT ISSUED. THE PERMITEE SHALL KEEP A COPY OF THE SWPPP ON SITE AND AVAILABLE FOR REVIEW BY COUNTY.

ENGINEER-OF-WORK NOTE:

THE ENGINEER-OF-WORK SHALL COMPLY WITH ALL PROJECT APPLICABLE LAWS THAT INCLUDE, BUT ARE NOT LIMITED TO, HEALTH, SAFETY, AND ENVIRONMENTAL LAWS, ORDINANCES, AND REGULATIONS RELATING TO THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, AND U.S. FEDERAL GOVERNMENT. THE PROJECT IS SUBJECT TO ENFORCEMENT UNDER PERMITS FROM THE SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD (SWRCB) AND THE COUNTY OF SAN DIEGO WATERSHED PROTECTION, STORM WATER MANAGEMENT, AND DISCHARGE CONTROL ORDINANCE NO. 10410, COUNTY OF SAN DIEGO HYDRAULIC DESIGN MANUAL, AND ALL OTHER APPLICABLE ORDINANCES AND STANDARDS FOR THE LIFE OF THIS PERMIT. THE PROJECT SITE SHALL BE IN COMPLIANCE WITH ALL APPLICABLE STORM WATER REGULATIONS REFERENCED ABOVE AND ALL OTHER APPLICABLE ORDINANCES AND STANDARDS. THIS INCLUDES COMPLIANCE WITH THE APPROVED STORM WATER QUALITY MANAGEMENT PLAN (SWQMP), ALL REQUIREMENTS FOR LOW IMPACT DEVELOPMENT (LID), HYDROMODIFICATION, DETENTION FACILITIES, MATERIALS AND WASTES CONTROL, EROSION CONTROL, AND SEDIMENT CONTROL ON THE PROJECT SITE.

SOUTH VILLAGE STORAGE



GRADING AND GEOTECHNICAL SPECIFICATIONS:

- 1. ALL GRADING SHALL BE DONE UNDER OBSERVATION AND TESTING BY A QUALIFIED CIVIL ENGINEER OR GEOTECHNICAL ENGINEER AND, IF REQUIRED, BOTH A QUALIFIED CIVIL ENGINEER OR GEOTECHNICAL ENGINEER AND AN ENGINEERING GEOLOGIST. ALL GRADING MUST BE PERFORMED IN ACCORDANCE WITH APPLICABLE COUNTY ORDINANCE AND THE RECOMMENDATIONS AND SPECIFICATIONS SET FORTH IN THE SOILS REPORT OR GEOLOGICAL/GEOCHEMICAL INVESTIGATION ENTITLED: "GEOCHEMICAL INVESTIGATION, SOUTH VILLAGE STORAGE, VALLEY CENTER ROAD AND OLD ROAD, VALLEY CENTER, CALIFORNIA" DATED OCTOBER 31, 2023 PREPARED BY GEOCO INCORPORATED, PROJECT NO. G3194-42-01
2. ALL FILL MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 90% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE MOST RECENT VERSION OF A.S.T.M. D-1557 OR AN APPROVED ALTERNATIVE STANDARD.
3. AT THE COMPLETION OF THE GRADING OPERATIONS, AN AS-GRADED SOILS, OR IF REQUIRED, AN AS-GRADED SOILS AND GEOLOGICAL REPORT WILL BE PREPARED IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE COUNTY OF PREPARED IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE COUNTY OF SAN DIEGO TECHNICAL GUIDELINES FOR GEOTECHNICAL REPORTS. ONE COPY OF THE AS-GRADED REPORT WILL BE SUBMITTED TO THE FIELD INSPECTION SECTION AND THE SUBDIVISION SECTION OF THE COUNTY ENGINEER'S OFFICE WITHIN 15 DAYS OF THE COMPLETION OF GRADING.
4. SOILS ENGINEER CERTIFICATION: THIS GRADING PLAN HAS BEEN REVIEWED BY THE UNDERSIGNED AND FOUND TO BE IN CONFORMANCE WITH THE RECOMMENDATIONS AS OUTLINED IN OUR SOILS REPORT FOR THIS PROJECT. THE SOILS REPORT SHALL BE CONSIDERED AS A PART OF THIS PLAN, AND ALL GRADING WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF SAID REPORT DATED: OCTOBER 10, 2016.

Table with columns: NAME, LIC NO., DATE. Includes RUPERT S. ADAMS (LIC NO. CEG 2581) and ROD MIKESSELL (LIC NO. GE 2533).

ROD MIKESSELL
GEOCO INCORPORATED
ADDRESS: 6960 FLANDERS DRIVE, SAN DIEGO, CA 92121

GEOTECHNICAL NOTES:

- 1. GEOTECHNICAL ENGINEER OF RECORD SHALL TEST AND APPROVE ALL FILL MATERIAL, PRIOR TO PLACEMENT, TO VERIFY SOILS PARAMETERS, INCLUDING EXPANSIVE INDEX, AND ENSURE THAT THE FILL MATERIAL IS ADEQUATE TO SUPPORT IMPROVEMENTS. TEST RESULTS AND CERTIFICATION LETTER STATING THAT SOIL HAS BEEN TESTED AND IS ADEQUATE TO SUPPORT THE PROPOSED IMPROVEMENTS SHALL BE PROVIDED TO THE COUNTY INSPECTOR.
2. PURSUANT TO COUNTY GRADING ORDINANCE SECTION 87.420 THE GEOTECHNICAL ENGINEER OF RECORD SHALL OBSERVE GRADING OPERATIONS AND PERFORM COMPACTION TESTING AND THE CIVIL ENGINEER OF RECORD SHALL SUPERVISE GRADING OPERATIONS AND SHALL COMPLY WITH THE REPORTING REQUIREMENTS OF COUNTY OF SAN DIEGO GRADING ORDINANCE SECTIONS 87.421 TO 87.430.

NOTE A: PRIMARY MAINTENANCE OF BIOPHILTRATION BASINS, BIO-SWALES, INFILTRATION BASINS INCLUDING STORM DRAIN PIPING, LANDSCAPE AND ANY OTHER TREATMENT CONTROL (TC) BMP'S SHOULD BE THE RESPONSIBILITY OF THE DEVELOPER AND LANDOWNER.

NOTICE: THE ISSUANCE OF THIS PERMIT/APPROVAL BY THE COUNTY OF SAN DIEGO DOES NOT AUTHORIZE THE APPLICANT FOR SAID PERMIT/APPROVAL TO VIOLATE ANY FEDERAL, STATE, OR COUNTY LAWS, ORDINANCES, REGULATIONS, OR POLICIES INCLUDING, BUT NOT LIMITED TO, THE FEDERAL ENDANGERED SPECIES ACT AND CLEAN WATER ACT. GRADING AND/OR FURTHER DEVELOPMENT ARE PROHIBITED WITHIN THE AREAS DESIGNATED "LIMITS OF JURISDICTIONAL HABITAT" UNTIL FEDERAL PERMITS AND STATE PERMITS (IF ANY) HAVE BEEN ACQUIRED.

TRAFFIC CONTROL NOTE: TRAFFIC CONTROL AND HAUL ROUTE PLANS MUST BE APPROVED BY THE DEPARTMENT OF PUBLIC WORKS, TRAFFIC ENGINEERING SECTION, PRIOR TO STARTING WORK.
DISTURBED AREA CALCS: DISTURBED AREA = 4.194 ACRES (182,677 S.F.)
TOTAL SITE AREA = 5.238 ACRES (GROSS)
EXISTING IMPERVIOUS AREA = 0.854 ACRES (37,183 S.F.)
DEVELOPED IMPERVIOUS AREA = 3.139 ACRES (136,742 S.F.)

GRADING PLAN NOTE:

NOTICE: THE ISSUANCE OF THIS PERMIT/APPROVAL BY THE COUNTY OF SAN DIEGO DOES NOT AUTHORIZE THE APPLICANT FOR SAID PERMIT/APPROVAL TO VIOLATE ANY FEDERAL, STATE, OR COUNTY LAWS, ORDINANCES, REGULATIONS, OR POLICIES INCLUDING, BUT NOT LIMITED TO, THE FEDERAL ENDANGERED SPECIES ACT AND ANY AMENDMENTS THERETO.

SUPERVISED GRADING: THIS PROJECT IS SUBJECT TO SUPERVISED GRADING. THE APPLICANT SHALL HIRE A LICENSED CIVIL ENGINEER TO SERVE AS THE PERMIT COMPLIANCE ENGINEER AND SHALL MEET THE REPORTING REQUIREMENTS OF SECTION 87.422 AND 87.423 OF THE COUNTY OF SAN DIEGO GRADING ORDINANCE. IT SHALL BE THE RESPONSIBILITY OF THE PERMIT COMPLIANCE ENGINEER TO OVERSEE AND COORDINATE ALL FIELD SURVEYS, SETTING OF GRADE STAKES IN CONFORMANCE WITH THE PLANS, AND SITE INSPECTION DURING GRADING OPERATIONS TO ASSURE THAT THE SITE IS GRADED IN ACCORDANCE WITH THIS PERMIT, THIS DIVISION, AND THE SAN DIEGO COUNTY WATERSHED PROTECTION AND STORM WATER MANAGEMENT ORDINANCE. THIS RESPONSIBILITY SHALL NOT INCLUDE THE SUPERINTENDENCY OF THE CONTRACTOR'S EQUIPMENT OR PERSONNEL.

Form containing sections: ENGINEER OF WORK (Brent C. Moore), LEGAL DESCRIPTION (28010 Valley Center Rd.), RECORD PLAN, COUNTY APPROVED CHANGES, PDS ENVIRONMENTAL, and FIRE AGENCY (Valley Center Fire Prevention District).

EXISTING LEGEND CONT'D:

Table with columns: ITEM, SYMBOL, QUANTITIES. Lists existing features like fence/gate, lane striping, dg path, and median.

PROPOSED LEGEND

Table with columns: ITEM, STANDARD DWG, SYMBOL, QUANTITIES. Lists proposed features like storm drain, catch basin, culvert, and various pavement types.

SHEET INDEX:

Table listing sheet numbers and titles: 1 TITLE SHEET, 2 KEY MAP SHEET, 3-4 NOTES SHEET, 5-7 DETAILS, 8-11 GRADING PLAN, 12 STORM DRAIN PROFILES, 13 EROSION CONTROL PLAN, 14-15 HORIZONTAL CONTROL PLAN, 16-17 PRIVATE UTILITY PLAN, 18-20 STRUCTURAL DETAILS, 21-26 RETAINING WALL PLANS, 27 DMA EXHIBIT, 28-32 RETAINING WALL PLANS.

WORK TO BE DONE

GRADING AND DRAINAGE WORK CONSISTS OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS, THE CURRENT SAN DIEGO AREA REGIONAL STANDARD DRAWINGS, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2021 EDITION AND PER THE SAN DIEGO COUNTY GRADING ORDINANCE.
STANDARD SPECIFICATIONS:
1. STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (2018 EDITION), INCLUDING THE REGIONAL SUPPLEMENT AMENDMENT.
2. THE MUTCD, 2014 EDITION, INCLUDING THE CALIFORNIA SUPPLEMENT.
3. STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS APPROVED 2023.
STANDARD DRAWINGS:
1. SAN DIEGO AREA REGIONAL STANDARD DRAWINGS, APPROVED 2022.
2. STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD PLANS APPROVED 2023.
3. COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS DESIGN STANDARDS, OCTOBER 2012.

EXISTING LEGEND:

Table with columns: ITEM, SYMBOL. Lists existing features like boundary, easement, brush, contour, concrete, trees, canopy, bike lane striping, ac road, electrical facilities, gas facilities, lights, storm drain, retaining wall, berm, handicap stall, rock outcropping, building, ditch, and mail box.

OWNER/PERMITEE CERTIFICATE

IT IS AGREED THAT FIELD CONDITIONS MAY REQUIRE CHANGES TO THESE PLANS. IT IS FURTHER AGREED THAT THE OWNER (DEVELOPER) SHALL HAVE A REGISTERED CIVIL ENGINEER MAKE SUCH CHANGES ALTERATIONS OR ADDITIONS TO THESE PLANS WHICH THE DIRECTOR OF PUBLIC WORKS DETERMINES ARE NECESSARY AND DESIRABLE FOR THE PROPER COMPLETION OF THE IMPROVEMENTS. I, FURTHER AGREE TO COMMENCE WORK ON ANY IMPROVEMENTS SHOWN ON THESE PLANS WITHIN EXISTING COUNTY RIGHT-OF-WAY WITHIN 60 DAYS AFTER ISSUANCE OF THE CONSTRUCTION PERMIT AND TO PURSUE SUCH WORK ACTIVELY ON EVERY NORMAL WORKING DAY UNTIL COMPLETED.
OWNER: VALLEY CENTER OIL CORPORATION AND DEVELOPMENT, LLC. PHONE NO: (760) 580-1436
ADDRESS: P.O. BOX 366 VALLEY CENTER, CA 92082
BY: DAVE BOHORQUEZ DATE: APN(S) 186-230-16, 22 AND 84

Table for STORMWATER STRUCTURAL POLLUTANT CONTROL & HYDROMODIFICATION CONTROL BMP'S. Columns: DESCRIPTION / TYPE, PLAN SHEET, BMP ID#, MAINTENANCE CATEGORY, MAINTENANCE AGREEMENT RECORDED DOC #.

*BMP'S APPROVED AS PART OF STORMWATER QUALITY MANAGEMENT PLAN (SWQMP) DATED ON FILE WITH DPW. ANY CHANGES TO THE ABOVE BMP'S WILL REQUIRE SWQMP REVISION AND PLAN CHANGE APPROVALS.

PERMITS

NOTICE OF INTENT WDD #
BUILDING PERMIT NO. X
SDP NO. PDS2023-STP-23-0023
LANDSCAPE PLAN NO. PDS2024-LP-24-
IMPROVEMENT PLAN NO. PDS2025-LDPIP-

BENCH MARK

DESCRIPTION: FOUND 2" BRASS CAP MARKED "VCR-92"
LOCATION: STORM DRAIN CURB INLET AT THE NORTHWEST CORNER OF OLD ROAD AND VALLEY CENTER ROAD
RECORD FROM: COUNTY OF SAN DIEGO
ELEVATION: 1,314.45 DATUM: M.S.L.

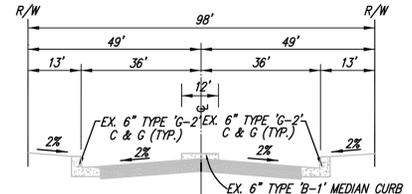
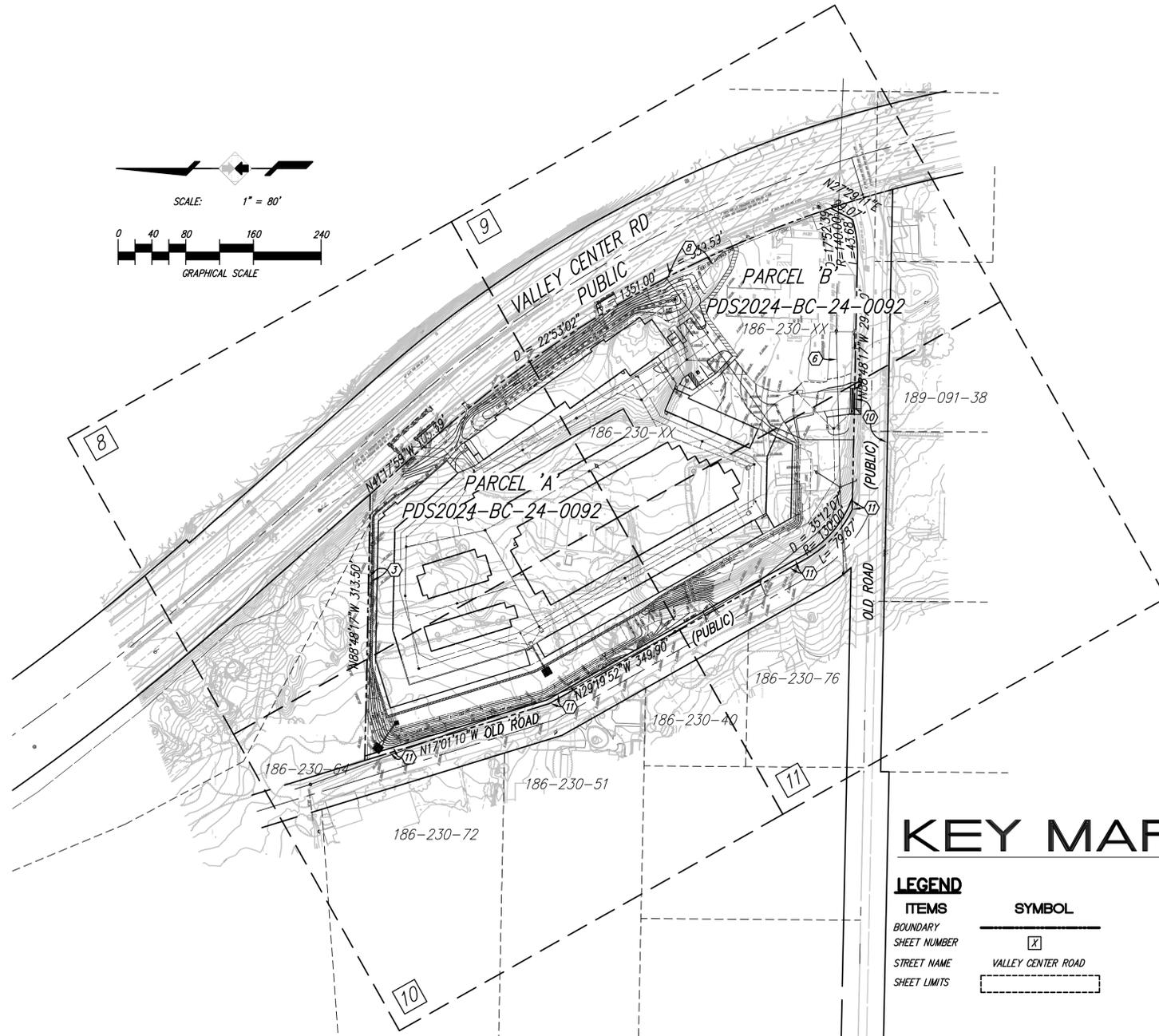
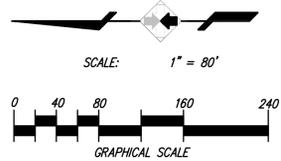
PRIVATE CONTRACT

SHEET 1 OF 32 SHEETS
COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS
GRADING PLAN FOR: SOUTH VILLAGE STORAGE
CALIFORNIA COORDINATE INDEX 380-1750
APPROVED FOR WILLIAM P. MORGAN, COUNTY ENGINEER
ENGINEER OF WORK: BRENT C. MOORE, R.C.E. 59121
DATE:
PDS2024-LDGRMJ-30505 GRADING PERMIT NO.

SOUTH VILLAGE STORAGE

ABBREVIATIONS

AC	ASPHALT CONCRETE	K.O.	KNOCKOUT
BLDG	BUILDING	OHE	OVERHEAD ELECTRICAL
BP	BOTTOM OF PIPE	P	PAVEMENT
BW	BOTTOM OF WALL	PERF	PERFORATED
CL	CENTERLINE	P/L	PROPERTY LINE
C.O.	CLEANOUT	PPR	PORTION
CONC	CONCRETE	PP	POWER POLE
C & G	CURB AND GUTTER	PPSD	POLYPROPYLENE STORM DRAIN PIPE
CRB	CURB	PVT	PRIVATE
DIA	DIAMETER	RCP	REINFORCED CONCRETE PIPE
DOC	DOCUMENT	SD	STORM DRAIN
DWG	DRAWING	S.D.C.O.	STORM DRAIN CLEANOUT
EX	EXISTING	SDRSD	SAN DIEGO REGIONAL STANDARD DRAWINGS
ELEC	ELECTRICAL	SHT	SHEET
EOP	EDGE OF PAVEMENT	STA	STATION
FF	FINISH FLOOR	SWR	SEWER
FG	FINISH GRADE	TC	TOP OF CURB
FH	FIRE HYDRANT	TC/P	ZERO CURB
FL	FLOWLINE	TC/FS	ZERO CURB
FS	FINISHED SURFACE	TEL	TELEPHONE
G.B.	GRADEBREAK	TF	TOP OF FOOTING
HDPE	HIGH DENSITY POLYETHYLENE	TG	TOP OF GRATE
H.P.	HIGH POINT	TP	TOP OF PIPE
I.E.	INVERT ELEVATION	TS	TOP OF SITE WALL
I.O.D.	IRREVOCABLE OFFER TO DEDICATE	TW	TOP OF WALL
IRR	IRRIGATION	TYP	TYPICAL
L.P.	LOW POINT	V	GATE VALVE
M	METER	VCMD	VALLEY CENTER MUNICIPAL WATER DISTRICT
MB	MAIL BOX	W/	WITH
M.E.	MATCH EXISTING	WTR	WATER
MH	MANHOLE		
MIN	MINIMUM		
N.A.P.	NOT A PART		
NO.	NUMBER		



VALLEY CENTER ROAD (PUBLIC)
NOT TO SCALE

EASEMENT NOTES:

- ① EASEMENT TO AT&T PER DOC. RECORDED 04-28-1910 IN BK 482, PG 418 AND 423 OF DEEDS. THE LOCATION OF SAID EASEMENT IS NOT SET FORTH AND CANNOT BE PLOTTED.
- ② ROAD EASEMENT TO THE COUNTY OF SAN DIEGO PER DOC. RECORDED 08-01-1935 IN BK 421, PG 195, O.R. THE LOCATION OF SAID EASEMENT IS NOT SET FORTH AND CANNOT BE PLOTTED.
- ③ PRIVATE WATER EASEMENT PER DOC. RECORDED 02-20-1973 AS FILE NO. 73-043397, O.R.
- ④ ROAD EASEMENT TO THE COUNTY OF SAN DIEGO PER DOC. RECORDED 12-10-1886 IN BK 72, PG 195, OF DEEDS. THE LOCATION OF SAID EASEMENT IS NOT SET FORTH AND CANNOT BE PLOTTED.
- ⑤ EASEMENT TO THE COUNTY OF SAN DIEGO FOR EXCAVATION AND EMBANKMENTS PER DOC. RECORDED 12-10-34 IN BK 349, PG 377, O.R. THE LOCATION OF SAID EASEMENT IS NOT SET FORTH AND CANNOT BE PLOTTED.
- ⑥ EASEMENT TO SDG&E FOR POLES AND WIRES PER DOC. RECORDED 8-5-46 AS FILE NO. 83499, O.R.
- ⑦ EASEMENT TO THE COUNTY OF SAN DIEGO FOR EXCAVATION AND EMBANKMENTS PER DOC. RECORDED 10-28-86 AS FILE/PAGE NO. 86-486045, O.R.
- ⑧ ORDER OF CONDEMNATION TO THE COUNTY FOR PUBLIC R-0-W AND AN EASEMENT FOR EXCAVATION AND EMBANKMENT SLOPES PER DOC. RECORDED 10-02-2006 AS FILE/PAGE NO. 2006-0700533, O.R.
- ⑨ WATER RIGHTS, CLAIMS OR TITLE TO WATER, WHETHER OR NOT SHOWN BY THE PUBLIC RECORD. UNPLOTTABLE.
- ⑩ 40' COUNTY ROAD EASEMENT PER DOC. RECORDED IN BK 58, PG 485 OF DEEDS.
- ⑪ 5' I.O.D. PER DOC. RECORDED _____ AS DOC. NO. 26-_____ O.R.

POLYPROPYLENE AND HDPE STORM DRAIN PIPE (PPSD) NOTES:

1. PIPE WILL BE BACKFILLED WITH CRUSHED ROCK IN ACCORDANCE WITH SAN DIEGO REGIONAL STANDARD DRAWING D-60. FOR PIPE DIAMETERS 36 INCH AND GREATER, DISTANCE BETWEEN PIPE OD AND TRENCH WALL SHALL BE 12 INCH MINIMUM.
2. THE REMAINDER OF THE TRENCH WILL BE BACKFILLED WITH THE SPECIFIED BACKFILL COMPACTED TO 90 PERCENT RELATIVE COMPACTION PER CALIFORNIA TEST METHOD 216 AS MODIFIED BY THE COUNTY OF SAN DIEGO OR ASTM D1557 (LATEST EDITION) EXCEPT FOR THE PORTION IN THE PAVEMENT SUBGRADE WHICH SHALL BE COMPACTED TO 95 PERCENT RELATIVE COMPACTION.
3. PPSD PIPE WITH LESS THAN 2 FEET OF COVER TO BOTTOM OF FLEXIBLE PAVEMENT UNDER HIGHWAY LOADING SHALL BE ENCASED IN PORTLAND CEMENT CONCRETE (PCC) IN ACCORDANCE WITH REGIONAL STANDARD DRAWING SP-03. THE PORTION ABOVE THE ENCASEMENT SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE ABOVE PARAGRAPH.
4. MAXIMUM PPSD PIPE COVER SHALL NOT EXCEED 25 FEET FOR 12 INCH DIAMETER TO 30 INCH DIAMETER AND 20 FEET FOR 36 INCH DIAMETER TO 60 INCH DIAMETER AS SPECIFIED IN THE CALTRANS POLYPROPYLENE APPROVAL.
5. PPSD PIPE SHALL CONFORM TO CURRENT AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) DESIGNATION M-330, FOR SIZES 12 INCH DIAMETER THROUGH 60 INCH DIAMETER. JOINT SHALL BE WATERTIGHT PER ASTM D3212 WITH DOUBLE GASKETED SPIGOT AND ELONGATED BELL WITH POLYMER COMPOSITE BAND.
6. THE LAST 16 FEET (2 SECTIONS TYPICALLY) OF CULVERT AT EACH EXPOSED END IS REQUIRED TO BE RCP. THIS WILL NECESSITATE A CONCRETE COLLAR FOR THE PPSD/RCP TRANSITION.
7. DEPTH OF COVER SHOULD BE CONSISTENT WITH CALTRANS TABLE 856.5 OF THE HIGHWAY DESIGN MANUAL - IF LESS COVER IS PROPOSED, PROVIDE CONCRETE ENCASEMENT. IF CALTRANS HAS A NEWER UPDATE, COUNTY WILL REVIEW AND COMMENT.
8. IF THE INSTALLATION IS IN STRICT ACCORDANCE WITH ASTM (OR AASHTO) CRITERIA FOR INSTALLATION, THEN THE ROCK ENVELOPE AND BURRITO WRAP CAN BE ELIMINATED WITH CONCURRENCE OF GEOTECHNICAL ENGINEER AND APPROPRIATE FIELD INSPECTION AND TESTING. IF ROCK ENVELOPE IS TO BE USED TO ALLOW FOR NARROWER TRENCH, THE BURRITO WRAP IS REQUIRED UNLESS A GEOTECHNICAL CONSULTANT IS UTILIZED AND DETERMINES THAT THERE IS NO RISK OF MATERIAL OUTSIDE THE ROCK ENVELOPE MIGRATING INTO THE ROCK.
9. AREAS OF HIGH GROUND WATER TABLE SHOULD BE AVOIDED. A SPECIAL STUDY AND REVIEW BY COUNTY MATERIAL LAB IS REQUIRED FOR AFFECTED PIPES.

ROAD MAINTENANCE NOTE:

THE APPLICANT IS RESPONSIBLE FOR THE ROAD MAINTENANCE (SWEEPING AS NECESSARY) AND REPAIR OF ANY DAMAGE CAUSED BY THEM TO THE ON-SITE AND OFF-SITE COUNTY MAINTAINED OR PRIVATE ROADS THAT SERVE THE PROPERTY EITHER DURING CONSTRUCTION OR SUBSEQUENT OPERATIONS. THE APPLICANT WILL REPAIR THOSE PORTIONS OF THE ROUTE THAT WOULD BE DAMAGED BY THE HEAVY LOADS THAT LOADED TRUCKS PLACE ON THE ROUTE IDENTIFIED.

CAUTION! THE LOCATION OF THE EXISTING UTILITIES ON THESE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

KEY MAP

LEGEND

ITEMS	SYMBOL
BOUNDARY	_____
SHEET NUMBER	[X]
STREET NAME	VALLEY CENTER ROAD
SHEET LIMITS	-----

TABLE 1705.6
REQUIRED VERIFICATION AND INSPECTION OF SOILS

VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.		X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.		X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.		X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUB-GRADE AND VERIFY THAT THE SITE HAS BEEN PREPARED PROPERLY.		X

MONUMENTATION NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE AND PROTECT ALL SURVEY CONTROL MONUMENTS, WHETHER SHOWN ON THESE PLANS OR NOT, WITHIN THE PROJECT AREA. ALL SURVEY MONUMENTS, WHETHER FOR HORIZONTAL OR VERTICAL CONTROL, THAT WILL OR COULD BE DISTURBED OR REMOVED BY THE CONTRACTOR, OR HIS EMPLOYEES, AGENTS, SUBCONTRACTORS, CONSULTANT OR LICENSEES, SHALL BE LOCATED PRIOR TO BEING DISTURBED OR REMOVED AND REPLACED OR RESET, IN ACCORDANCE WITH THE CALIFORNIA BUSINESS AND PROFESSIONS CODE, SECTION 87710, AT THE CONTRACTOR'S SOLE EXPENSE, UNDER THE SUPERVISION OF A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING IN THE STATE OF CALIFORNIA. IN ADDITION, A RECORD OF SURVEY OR CORNER RECORD, AS APPLICABLE, SHALL BE FILED AND/OR RECORDED, IN ACCORDANCE WITH THE PROVISIONS OF SAID CODE.

RECORD PLAN		COUNTY APPROVED CHANGES	
BY: _____	DATE: _____	NO. _____	DESCRIPTION: _____
R.C.E. _____		APPROVED BY: _____	DATE: _____
EXPIRES: _____			

BENCH MARK	
DESCRIPTION: FOUND 2" BRASS CAP MARKED "VCR-92"	
LOCATION: STORM DRAIN CURB INLET AT THE NORTHWEST CORNER OF OLD ROAD AND VALLEY CENTER ROAD	
RECORD FROM: COUNTY OF SAN DIEGO	
ELEVATION: 1314.45	DATUM: M.S.L.

Alidade ENGINEERING
43950 MARGARITA ROAD, SUITE 'C'
TEMECULA, CA 92592
PH: (951) 587-2020
FAX: (951) 587-2626



PRIVATE CONTRACT

SHEET 2 COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS 32 SHEETS

KEY MAP & TYPICAL STREET SECTIONS FOR:
SOUTH VILLAGE STORAGE

CALIFORNIA COORDINATE INDEX 380-1750

APPROVED FOR WILLIAM P. MORGAN, COUNTY ENGINEER

ENGINEER OF WORK: BRENT C. MOORE, R.C.E. 59121

DATE: _____

BY: _____

DATE: _____

PDS2024-LDGRMJ-30505
GRADING PERMIT NO. _____

ENGINEERS NAME: ALIDADE ENGINEERING
PHONE NO. (951) 587-2020

EMERGENCY EROSION CONTROL MEASURE NOTES

- ALL BUILDING PADS TO BE DIKED AND THE DIKES MAINTAINED TO PREVENT WATER FROM FLOWING FROM THE PAD UNTIL THE STREETS AND DRIVEWAYS ARE PAVED AND WATER CAN FLOW FROM THE PADS WITHOUT CAUSING EROSION, OR CONSTRUCT DRAINAGE FACILITIES TO THE SATISFACTION OF THE COUNTY DEPARTMENT OF PUBLIC WORKS THAT WILL ALLOW WATER TO DRAIN FROM THE PAD WITHOUT CAUSING EROSION.
- TOPS OF ALL SLOPES TO BE DIKED OR TRENCHED TO PREVENT WATER FROM FLOWING OVER THE CREST OF SLOPES.
- MANUFACTURED SLOPES AND PADS SHALL BE ROUNDED VERTICALLY AND HORIZONTALLY AS APPROPRIATE TO BLEND WITH THE SURROUNDING TOPOGRAPHY.
- AS SOON AS CUTS OR EMBANKMENTS ARE COMPLETED, BUT NOT LATER THAN OCTOBER 1 ALL CUT AND FILL SLOPES SHALL BE STABILIZED WITH A HYDROMULCH MIXTURE OR AN EQUAL TREATMENT APPROVED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS BETWEEN OCTOBER 1 AND APRIL 15. APPROVED SOLE PROTECTION MEASURES SHALL PROCEED IMMEDIATELY BEHIND THE EXPOSURE OF CUT SLOPES AND/OR THE CREATION OF EMBANKMENT SLOPES.
- CATCH BASINS, DESILTING BASINS AND STORM DRAIN SYSTEM SHALL BE INSTALLED TO THE SATISFACTION OF THE COUNTY DEPARTMENT OF PUBLIC WORKS.
- GRAVEL BAG CHECK DAMS TO BE PLACED IN A MANNER APPROVED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS IN UNPAVED STREETS WITH GRADIENTS IN EXCESS OF 2% AND ON OR IN OTHER GRADED OR EXCAVATED AREAS AS REQUIRED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS.
- THE DEVELOPER TO MAINTAIN THE PLANTING AND EROSION CONTROL MEASURES DESCRIBED ABOVE UNTIL RELIEVED OF THE SAME BY THE COUNTY DEPARTMENT OF PUBLIC WORKS. THE DEVELOPER TO REMOVE ALL SOIL INTERCEPTED BY THE SAND BAGS, CATCH BASINS AND DESILTING BASINS AND KEEP THESE FACILITIES CLEAN AND FREE OF SILT AND SAND AS DIRECTED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS. THE DEVELOPER SHALL REPAIR ANY ERODED SLOPES AS DIRECTED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS.

SILTATION AND SEDIMENT CONTROL MEASURES NOTES:

- THE SEDIMENT BASINS SHALL BE PROVIDED AT THE LOWER END OF EVERY DRAINAGE AREA PRODUCING SEDIMENT RUNOFF. THE BASINS SHALL BE MAINTAINED AND CLEANED TO DESIGN CONTOURS AFTER EVERY RUNOFF PRODUCING STORM. THE BASINS SHOULD BE SEMI-PERMANENT STRUCTURES THAT WOULD REMAIN UNTIL SOIL STABILIZING VEGETATION HAS BECOME WELL ESTABLISHED ON ALL ERODIBLE SLOPES.
- SEDIMENTATION BASINS MAY NOT BE REMOVED OR MADE INOPERATIVE WITHOUT PRIOR APPROVAL OF THE COUNTY ENGINEER.
- SEWER OR STORM DRAIN TRENCHES THAT ARE CUT THROUGH BASIN DIKES OR BASIN INLET DIKES SHALL BE PLUGGED WITH SANDBAGS FROM TOP OF PIPE TO TOP OF DIKE.
- ALL UTILITY TRENCHES SHALL BE BLOCKED AT THE PRESCRIBED INTERVALS WITH A DOUBLE ROW OF SANDBAGS WITH A TOP ELEVATION TWO SANDBAGS BELOW THE GRADED SURFACE OF THE STREET. SANDBAGS ARE TO BE PLACED WITH LAPPED COURSES. THE INTERVALS PRESCRIBED BETWEEN SANDBAG BLOCKING SHALL DEPEND ON THE SLOPE OF THE GROUND SURFACE BUT NOT TO EXCEED THE FOLLOWING:

GRADE OF THE STREET	INTERVAL
LESS THAN 2%	AS REQUIRED
2% TO 4%	100 FEET
4% TO 10%	50 FEET
OVER 10%	25 FEET
- AFTER UTILITY TRENCHES ARE BACKFILLED AND COMPACTED, THE SURFACES OVER SUCH TRENCHES SHALL BE MOUNDING SLIGHTLY TO PREVENT CHANNELING OF WATER IN THE TRENCH AREA. CARE SHOULD BE EXERCISED TO PROVIDE FOR CROSS FLOW AT FREQUENT INTERVALS WHERE TRENCHES ARE NOT ON THE CENTERLINE OF A CROWNED STREET.
- ALL BUILDING PADS SHOULD BE SLOPED TOWARDS THE DRIVEWAYS AND VELOCITY CHECK DAMS PROVIDED AT THE BASE OF ALL DRIVEWAYS DRAINING INTO THE STREET.
- PROVIDE VELOCITY CHECK DAMS IN ALL UNPAVED GRADED CHANNELS AT THE INTERVALS INDICATED BELOW:

GRADE OF CHANNEL	INTERVALS BETWEEN CHECK DAMS
LESS THAN 3%	100 FEET
3% TO 6%	50 FEET
OVER 6%	25 FEET

- PROVIDE A GRAVEL BAG SILT BASIN OR TRAP BY EVERY STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING DRAIN SYSTEM.
- GRAVEL BAGS AND FILL MATERIAL SHALL BE STOCKPILED AT INTERVALS, READY FOR USE WHEN REQUIRED.
- ALL EROSION CONTROL DEVICES WITHIN THE DEVELOPMENT SHOULD BE MAINTAINED DURING AND AFTER EVERY RUNOFF PRODUCING STORM, IF POSSIBLE, MAINTENANCE CREWS WOULD BE REQUIRED TO HAVE ACCESS TO ALL AREAS.
- PROVIDE ROCK RIPRAP ON CURVES AND STEEP DROPS IN ALL EROSION PRONE DRAINAGE CHANNELS DOWNSTREAM FROM THE DEVELOPMENT. THIS PROTECTION WOULD REDUCE EROSION CAUSED BY THE INCREASED FLOWS THAT MAY BE ANTICIPATED FROM DENUDED SLOPES, OR FROM IMPERVIOUS SURFACES.
- ANY PROPOSED ALTERNATE CONTROL MEASURES MUST BE APPROVED IN ADVANCE BY ALL RESPONSIBLE AGENCIES: I.E., COUNTY ENGINEER, DEPARTMENT OF ENVIRONMENTAL HEALTH AND FLOOD CONTROL, OFFICE OF ENVIRONMENTAL MANAGEMENT, ETC.

BMP STENCIL PLACEMENT NOTES

- ALL STORM DRAIN INLETS AND CATCH BASINS WITHIN THE PROJECT AREA SHALL HAVE A STENCIL OR TILE PLACED WITH PROHIBITIVE LANGUAGE (SUCH AS: "NO DUMPING - I LIVE IN THE PACIFIC OCEAN") AND/OR GRAPHICAL ICONS TO DISCOURAGE ILLEGAL DUMPING.
- SIGNS AND PROHIBITIVE LANGUAGE AND/OR GRAPHICAL ICONS, WHICH PROHIBIT ILLEGAL DUMPING, MUST BE POSTED AT PUBLIC ACCESS POINTS ALONG CHANNELS AND CREEKS WITHIN THE PROJECT AREA.
- LEGIBILITY OF STENCILS, TILES AND SIGNS MUST BE MAINTAINED AND TILES MUST BE PLACED FLUSH WITH THE TOP OF CONCRETE TO REDUCE TRIPPING BY PEDESTRIANS.

SPECIAL NOTES

- THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK. THE COUNTY ENGINEER'S SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF ANY OF THESE NOTES, AND THE COUNTY WILL NOT BE RESPONSIBLE FOR THEIR ENFORCEMENT.
- NEITHER THE OWNER NOR THE ENGINEER OF WORK WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
 - CONTRACTOR WILL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS, IF REVISIONS ARE NECESSARY BECAUSE OF LOCATION OF EXISTING FACILITIES. CONTRACTOR SHALL REQUEST DIRECTION BEFORE DOING WORK FROM THE ENGINEER OF WORK FOR CLARIFICATIONS.
 - BEFORE EXCAVATING FOR THIS CONTRACT, VERIFY LOCATION OF UNDERGROUND UTILITIES. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS HAS BEEN OBTAINED FROM AVAILABLE RECORDS ONLY AND MAY NOT REFLECT ALL EXISTING UTILITIES. LOCATIONS OF ALL EXISTING UTILITIES SHALL BE CONFIRMED BY FIELD MEASUREMENTS BY CONTRACTOR PRIOR TO CONSTRUCTION OF WORK.
 - CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HEREON AND ANY OTHER EXISTING LINES NOT OF RECORD OR SHOWN ON THESE PLANS.
 - WHERE TRENCHES ARE ADJACENT TO FUTURE BUILDING SITES, SOILS REPORTS SHALL BE SUBMITTED TO THE ENGINEER OF WORK BY A QUALIFIED SOILS ENGINEER WHICH CERTIFY* THAT ALL TRENCH BACKFILL SHALL BE COMPACTED PER RECOMMENDATIONS IN THE GEOTECHNICAL REPORT FOR THE PROJECT.
 - * AS DEFINED IN AND LIMITED IN SECTION 6735.5 OF THE BUSINESS AND PROFESSIONAL CODE OF CALIFORNIA.
 - SAFETY FENCES SHALL BE PROVIDED BY THE CONTRACTOR WHERE REQUIRED BY THE COUNTY ENGINEER.
 - DURING ACTIVE CONSTRUCTION, AREAS SHALL BE WATERED TO REDUCE FUGITIVE DUST.
 - CONTRACTOR TO ADJUST ALL PROPOSED AND EXISTING FACILITIES TO GRADE.
 - CONTRACTOR TO REMOVE/REPLACE/RELOCATE ALL EXISTING FACILITIES REQUIRED TO INSTALL PROPOSED IMPROVEMENTS.
 - CONTRACTOR TO REMOVE/REPLACE/RELOCATE ANY LANDSCAPING/HARDSCAPING WHICH CONFLICTS IN ANY WAY WITH THE INSTALLATION OR PROPER FUNCTIONING OF THE PROPOSED IMPROVEMENTS.
 - ALL PROPOSED STORM DRAIN FACILITIES ARE PRIVATE UNLESS OTHERWISE NOTED.
 - REFER TO ARCHITECT'S PLAN FOR HARDSCAPE LAYOUT & SPECIFICATIONS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE QUANTITIES SHOWN HEREON AND BALANCING THE EARTHWORK ON SITE. IF THE SITE CANNOT BE BALANCED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL IMPORT OR EXPORT OF MATERIALS. ALL ADJUSTMENTS MUST BE PRESENTED TO ENGINEER OF WORK WITH ADEQUATE TIME FOR REVISIONS PRIOR TO CONSTRUCTION. ONLY IN SUCH CASES AS REQUESTED BY THE CONTRACTOR SHALL THE ENGINEER OF WORK PROVIDE AREAS OF ELEVATION ADJUSTMENT TO THE APPROVED PLANS AT THE LIABILITY OF THE CONTRACTOR.
 - THE CONTRACTOR SHALL BE RESPONSIBLE TO INSURE THAT ALL SLOPES ARE BUILT IN ACCORDANCE WITH THESE PLANS. IF THERE IS ANY QUESTION REGARDING THESE PLANS OR FIELD STAKES, THE CONTRACTOR SHALL REQUEST AN INTERPRETATION BEFORE DOING ANY WORK BY CALLING THE ENGINEER OF WORK.
 - THE CONTRACTOR SHALL UNCOVER ALL UTILITIES THAT MAY BE JOINED, CROSSED, OR PARALLELED TO VERIFY BOTH HORIZONTAL AND VERTICAL LOCATION PRIOR TO ANY CONSTRUCTION. ANY CONFLICT OR DISCREPANCY SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO CONSTRUCTION. OTHERWISE THE CONTRACTOR ACCEPTS FULL RESPONSIBILITY FOR ANY ADDITIONAL CONSTRUCTION OR RELOCATION COSTS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, MAINTAINING, RELOCATING, AND/OR REMOVAL OF EXISTING UTILITIES.
 - THE CONTRACTOR SHALL REPLACE ALL DESTROYED OR DAMAGED SURFACE IMPROVEMENTS WITH IMPROVEMENT EQUAL OR SUPERIOR.
 - SURVEY MONUMENTS SHALL BE PRESERVED & REFERENCED BEFORE CONSTRUCTION & REPLACED AFTER CONSTRUCTION PURSUANT TO SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE.
 - CONTRACTOR SHALL NOTIFY SAN DIEGO GAS & ELECTRIC, AT&T AND COX COMMUNICATIONS PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES.
 - CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF OTHER CONTRACTORS WORKING ON THE SITE, INCLUDING GRADING, DRAINAGE, LANDSCAPING AND IRRIGATION.
 - CONTRACTOR SHALL MEET THE INTENT OF THESE PLANS. IF GRADE STAKE CONFLICT WITH THE INTENT OF THE PLANS, CONTRACTOR SHALL NOTIFY ENGINEER OF WORK PRIOR TO WORK BEING PERFORMED.
 - CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD COUNTY OF SAN DIEGO HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF COUNTY OF SAN DIEGO PERSONNEL.
 - GRADING QUANTITIES ARE GEOMETRIC ESTIMATES FOR PERMIT PURPOSES ONLY AND ARE NOT TO BE USED FOR BID OR FINAL PAY QUANTITIES. CONTRACTOR SHALL BE REQUIRED TO CREATE A FINAL EARTHWORK PRIOR TO ANY ONSITE CONSTRUCTION. THIS EARTHWORK SHALL ACCOUNT FOR SUBSIDENCE, SHRINKAGE, UNDERCUTS, PROJECT PHASING, SEQUENCING, OVER-EXCAVATION AND ET CETERA. SHOULD ANY DISCREPANCY ARISE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF WORK IMMEDIATELY.

STABILIZED FIBER MATRIX (SFM)

- THE USE OF SFM IS SUBJECT TO THE FOLLOWING LIMITATIONS AND RESTRICTIONS:
- SFM MAY BE USED FOR TEMPORARY EROSION CONTROL FOR DISTURBED AREAS WITH A SLOPE RATIO OF 1 VERTICAL TO 2 HORIZONTAL OR SHALLOWER, INCLUDING PAD AND SEPTIC FIELD AREAS. THE SFM SHALL BE APPLIED AT LEAST 24 HOURS BEFORE OR AFTER RAINFALL AND SHALL BE APPLIED TO PROVIDE 100% COVERAGE (I.E. APPLIED FROM MULTIPLE DIRECTIONS AND ANGLES) THE APPLICATION AREA MUST BE PROTECTED BY BROW DITCHES AND OR DIVERSION DIKES AT TOP OF SLOPES TO DIVERT FLOW FROM THE FACE OF THE PROTECTED SLOPE.
 - FOR PERMANENT EROSION CONTROL PURPOSES, SFM MUST BE INSTALLED IN CONJUNCTION WITH SEEDED EROSION CONTROL VEGETATION OR HAND PLANTINGS. AS WITH ALL OTHER APPLICATIONS, SFM WILL NOT BE CONSIDERED PERMANENT UNTIL 70% VEGETATION ESTABLISHMENT.
 - COVERAGE AND CONCENTRATION: FOR EACH ACRE COVERED, THE MINIMUM APPLICATION VOLUME SHALL BE 10 GALLONS NON-TOXIC WATER-PERMEABLE SOIL-STABILIZING LIQUID EMULSION WITH 3,000 LBS. OF HYDRAULIC MULCH. THE EMULSION MUST BE DESIGNED TO PROTECT SOIL, PREVENT EROSION, AND FLOCCULATE (CLUMP) SEDIMENT.
 - A LETTER FROM THE HYDROSEEDED CONTRACTOR CERTIFYING THE SFM WAS INSTALLED IN ACCORDANCE WITH APPROVED APPLICATION RATES, COVERAGE, AND MANUFACTURER'S DILUTION RATIO SHALL BE SUBMITTED TO THE COUNTY INSPECTOR FOR APPROVAL.

OPERATION AND MAINTENANCE PLAN / SWPPP NOTES

- DISCHARGING SEDIMENT-LADEN WATER WHICH WILL CAUSE OR CONTRIBUTE TO AN EXCEEDANCE OF THE APPLICABLE RWQCB'S BASIN PLANS FROM A DEWATERING SITE OR SEDIMENT BASIN/TRAP INTO ANY RECEIVING WATER OR STORM DRAIN WITHOUT FILTRATION OR EQUIVALENT TREATMENT IS PROHIBITED.
- THE DISCHARGER SHALL AMEND THE SWPPP WHENEVER THERE IS A CHANGE IN CONSTRUCTION OR OPERATIONS, WHICH MAY AFFECT THE DISCHARGE OF POLLUTANTS TO SURFACE WATERS, GROUNDWATER, OR A MUNICIPAL STORM DRAIN SYSTEM. THE SWPPP SHALL ALSO BE AMENDED IF THE DISCHARGER VIOLATES ANY CONDITION OF THE GENERAL PERMIT OR HAS NOT ACHIEVED THE GENERAL OBJECTIVE OF REDUCING OR ELIMINATING POLLUTANTS IN STORM WATER DISCHARGES. ALL AMENDMENTS SHOULD BE DATED AND DIRECTLY ATTACHED TO THE SWPPP.
- TEMPORARY ON-SITE DRAINAGE TO CARRY CONCENTRATED FLOW SHALL BE SELECTED TO COMPLY WITH COUNTY REQUIREMENTS TO CONTROL EROSION, TO RETURN FLOWS TO THEIR NATURAL DRAINAGE COURSES, AND TO PREVENT DAMAGE TO DOWNSTREAM PROPERTIES.
- DISCHARGES ORIGINATING FROM OFF-SITE, WHICH FLOW ACROSS OR THROUGH AREAS DISTURBED BY CONSTRUCTION THAT MAY CONTAIN POLLUTANTS, SHOULD BE REPORTED TO THE RWQCB.
- DISCHARGERS WHO ARE PRESENTLY COVERED UNDER NPDES GENERAL PERMIT NO. CA000002 FOR DISCHARGE OF STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY MAY SUBMIT A NOTICE OF TERMINATION WHEN THEY MEET ONE OF THE FOLLOWING CRITERIA.
 - THE CONSTRUCTION PROJECT HAS BEEN COMPLETED AND THE FOLLOWING CONDITIONS HAVE BEEN MET: ALL ELEMENTS OF THE STORM WATER POLLUTION PREVENTION PLAN HAVE BEEN COMPLETED; CONSTRUCTION MATERIALS AND EQUIPMENT MAINTENANCE WASTE HAVE BEEN DISPOSED OF PROPERLY; THE SITE IS IN COMPLIANCE WITH ALL LOCAL STORM WATER MANAGEMENT REQUIREMENTS INCLUDING EROSION/SEDIMENT CONTROL REQUIREMENTS AND THE APPROPRIATE USE PERMITS HAVE BEEN OBTAINED; AND A POST-CONSTRUCTION STORM WATER OPERATION AND MANAGEMENT PLAN IS IN PLACE.
 - CONSTRUCTION ACTIVITIES HAVE BEEN SUSPENDED, EITHER TEMPORARILY OR INDEFINITELY AND THE FOLLOWING CONDITIONS HAVE BEEN MET: ALL ELEMENTS OF THE STORM WATER POLLUTION PREVENTION PLAN HAVE BEEN COMPLETED; CONSTRUCTION MATERIALS AND EQUIPMENT MAINTENANCE WASTE HAVE BEEN DISPOSED OF PROPERLY; ALL DENUDED AREAS AND OTHER AREAS OF POTENTIAL EROSION ARE STABILIZED; AN OPERATION AND MAINTENANCE PLAN FOR EROSION AND SEDIMENT CONTROL IS IN PLACE; AND THE SITE IS IN COMPLIANCE WITH ALL LOCAL STORM WATER MANAGEMENT REQUIREMENTS INCLUDING EROSION/SEDIMENT CONTROL REQUIREMENTS. THE DATE CONSTRUCTION ACTIVITIES WERE SUSPENDED, AND THE EXPECTED DATE CONSTRUCTION ACTIVITIES WILL START UP AGAIN SHOULD BE PROVIDED.
 - CONSTRUCTION SITE CAN NOT DISCHARGE STORM WATER TO WATERS OF THE UNITED STATES. PLEASE INDICATE IF ALL STORM WATER IS RETAINED ON SITE OR IF STORM WATER IS COLLECTED OFFSITE.
 - DISCHARGE OF CONSTRUCTION STORM WATER FROM THE SITE IS NOW SUBJECT TO ANOTHER NPDES GENERAL PERMIT OR AN INDIVIDUAL NPDES PERMIT. THE GENERAL PERMIT OR INDIVIDUAL PERMIT NPDES NUMBER AND DATE COVERAGE BEGAN SHOULD BE PROVIDED.
 - THERE IS A NEW OWNER OF THE IDENTIFIED SITE. IF OWNERSHIP OR OPERATION OF THE FACILITY HAS BEEN TRANSFERRED THEN THE PREVIOUS OWNER MUST SUBMIT A NOTICE OF TERMINATION AND THE NEW OWNER MUST SUBMIT A NOTICE OF INTENT FOR COVERAGE UNDER THE GENERAL PERMIT. THE DATE OF TRANSFER AND INFORMATION ON THE NEW OWNER SHOULD BE PROVIDED. NOTE THAT THE PREVIOUS OWNER MAY BE LIABLE FOR DISCHARGE FROM THE SITE UNTIL THE NEW OWNER FILES A NOTICE OF INTENT FOR COVERAGE UNDER THE GENERAL PERMIT.
- SEDIMENT CONTROL BMP'S ARE REQUIRED AT APPROPRIATE LOCATIONS ALONG THE SITE PERIMETER AND AT ALL OPERATIONAL INTERNAL INLETS TO THE STORM DRAIN SYSTEM AT ALL TIMES.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ADEQUATE SEDIMENT CONTROL MATERIALS ARE AVAILABLE TO CONTROL SEDIMENT DISCHARGES AT THE DOWNGRADE PERIMETER AND OPERATIONAL INLETS (WEATHER AND STORM PREDICTIONS CAN BE OBTAINED BY CALLING THE NATIONAL WEATHER SERVICE AT (858) 675-8700 OR BY VISITING THE NATIONAL WEATHER SERVICE WEB SITE AT [HTTP://WWW.WRH.NOAA.GOV/SANDIEGO/INDEX.SHTML](http://www.wrh.noaa.gov/sandiego/index.shtml) FOR WEATHER INFORMATION AND CURRENT SATELLITE/RAUTER FEEDS).
- THE OUTLETS OF ALL SEDIMENT BASINS, TRAPS, AND LOCATIONS OF ARTIFICIALLY CONCENTRATED FLOW SHALL BE PROVIDED WITH OUTLET PROTECTION TO PREVENT EROSION AND SCOUR.
- INSPECTIONS SHALL BE PERFORMED BEFORE AND AFTER STORM EVENTS AND ONCE EACH 24-HOUR PERIOD DURING EXTENDED STORM EVENTS TO IDENTIFY BMP EFFECTIVENESS AND IMPLEMENT REPAIRS OR DESIGN CHANGES AS SOON AS FEASIBLE, DEPENDING ON FIELD CONDITIONS. EQUIPMENT, MATERIALS, AND WORKERS MUST BE AVAILABLE FOR RAPID RESPONSE TO FAILURES AND EMERGENCIES. ALL CORRECTIVE MAINTENANCE TO BMP'S SHALL BE PERFORMED AS SOON AS POSSIBLE AFTER THE CONCLUSION OF EACH STORM, DEPENDING UPON WORKER SAFETY.
- FOR EACH INSPECTION, A QUALIFIED PERSON SHALL COMPLETE AN INSPECTION CHECKLIST CONTAINING THE FOLLOWING MINIMUM INFORMATION: INSPECTION DATE, WEATHER INFORMATION (BEGINNING/END OF STORM EVENT, DURATION, TIME SINCE LAST STORM, APPROXIMATE RAINFALL IN INCHES), DESCRIPTION OF INADEQUATE BMP'S, LIST OF OBSERVATIONS OF ALL BMP'S AND VISIBLE INSPECTION OF OUTFALLS, DISCHARGE POINTS, DOWNSTREAM LOCATIONS, AND PROJECTED REQUIRED MAINTENANCE ACTIVITIES, CORRECTIVE ACTIONS REQUIRED, INCLUDING CHANGES TO THE SWPPP AND IMPLEMENTATION DATES, INSPECTOR'S NAME, TITLE, SIGNATURE, AND QUALIFICATIONS.
- INDIVIDUALS RESPONSIBLE FOR SWPPP IMPLEMENTATION, AND PERMIT COMPLIANCE SHALL BE APPROPRIATELY TRAINED. THIS INCLUDES THOSE PERSONNEL RESPONSIBLE FOR INSTALLATION, INSPECTION, MAINTENANCE, AND REPAIR OF BMP'S. THOSE RESPONSIBLE FOR OVERSEEING, REVISING, AND AMENDING THE SWPPP SHALL ALSO DOCUMENT THEIR TRAINING. THE QUALIFIED PERSON SHALL ATTEND THE PRE-CONSTRUCTION MEETING. THE QUALIFIED PERSON SHALL HAVE KNOWLEDGE AND TRAINING OF THE INTENT AND ENFORCEMENT OF SWPPP'S AND BMP'S AND BE PROPERLY TRAINED TO CONDUCT INSPECTIONS AND PREPARE REPORTS OF THE CONSTRUCTION SITE WITH RESPECT TO THE COUNTY'S GRADING ORDINANCE AND THE SWPPP.
- THE CONTRACTOR SHALL MAINTAIN A COPY OF THE SWPPP AT THE CONSTRUCTION SITE, WHICH SHALL BE PROVIDED, UPON REQUEST, TO THE RWQCB OR CITY PERSONNEL. THE SWPPP IS CONSIDERED A REPORT THAT SHALL BE AVAILABLE TO THE PUBLIC BY THE RWQCB UNDER SECTION 308(B) OF THE CLEAN WATER ACT.

- DISCHARGING SEDIMENT-LADEN WATER WHICH WILL CAUSE OR CONTRIBUTE TO AN EXCEEDANCE OF THE APPLICABLE RWQCB'S BASIN PLANS FROM A DEWATERING SITE OR SEDIMENT BASIN/TRAP INTO ANY RECEIVING WATER OR STORM DRAIN WITHOUT FILTRATION OR EQUIVALENT TREATMENT IS PROHIBITED.
- THE DISCHARGER SHALL AMEND THE SWPPP WHENEVER THERE IS A CHANGE IN CONSTRUCTION OR OPERATIONS, WHICH MAY AFFECT THE DISCHARGE OF POLLUTANTS TO SURFACE WATERS, GROUNDWATER, OR A MUNICIPAL STORM DRAIN SYSTEM. THE SWPPP SHALL ALSO BE AMENDED IF THE DISCHARGER VIOLATES ANY CONDITION OF THE GENERAL PERMIT OR HAS NOT ACHIEVED THE GENERAL OBJECTIVE OF REDUCING OR ELIMINATING POLLUTANTS IN STORM WATER DISCHARGES. ALL AMENDMENTS SHOULD BE DATED AND DIRECTLY ATTACHED TO THE SWPPP.
- TEMPORARY ON-SITE DRAINAGE TO CARRY CONCENTRATED FLOW SHALL BE SELECTED TO COMPLY WITH COUNTY REQUIREMENTS TO CONTROL EROSION, TO RETURN FLOWS TO THEIR NATURAL DRAINAGE COURSES, AND TO PREVENT DAMAGE TO DOWNSTREAM PROPERTIES.
- DISCHARGES ORIGINATING FROM OFF-SITE, WHICH FLOW ACROSS OR THROUGH AREAS DISTURBED BY CONSTRUCTION THAT MAY CONTAIN POLLUTANTS, SHOULD BE REPORTED TO THE RWQCB.
- DISCHARGERS WHO ARE PRESENTLY COVERED UNDER NPDES GENERAL PERMIT NO. CA000002 FOR DISCHARGE OF STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY MAY SUBMIT A NOTICE OF TERMINATION WHEN THEY MEET ONE OF THE FOLLOWING CRITERIA.
 - THE CONSTRUCTION PROJECT HAS BEEN COMPLETED AND THE FOLLOWING CONDITIONS HAVE BEEN MET: ALL ELEMENTS OF THE STORM WATER POLLUTION PREVENTION PLAN HAVE BEEN COMPLETED; CONSTRUCTION MATERIALS AND EQUIPMENT MAINTENANCE WASTE HAVE BEEN DISPOSED OF PROPERLY; THE SITE IS IN COMPLIANCE WITH ALL LOCAL STORM WATER MANAGEMENT REQUIREMENTS INCLUDING EROSION/SEDIMENT CONTROL REQUIREMENTS AND THE APPROPRIATE USE PERMITS HAVE BEEN OBTAINED; AND A POST-CONSTRUCTION STORM WATER OPERATION AND MANAGEMENT PLAN IS IN PLACE.
 - CONSTRUCTION ACTIVITIES HAVE BEEN SUSPENDED, EITHER TEMPORARILY OR INDEFINITELY AND THE FOLLOWING CONDITIONS HAVE BEEN MET: ALL ELEMENTS OF THE STORM WATER POLLUTION PREVENTION PLAN HAVE BEEN COMPLETED; CONSTRUCTION MATERIALS AND EQUIPMENT MAINTENANCE WASTE HAVE BEEN DISPOSED OF PROPERLY; ALL DENUDED AREAS AND OTHER AREAS OF POTENTIAL EROSION ARE STABILIZED; AN OPERATION AND MAINTENANCE PLAN FOR EROSION AND SEDIMENT CONTROL IS IN PLACE; AND THE SITE IS IN COMPLIANCE WITH ALL LOCAL STORM WATER MANAGEMENT REQUIREMENTS INCLUDING EROSION/SEDIMENT CONTROL REQUIREMENTS. THE DATE CONSTRUCTION ACTIVITIES WERE SUSPENDED, AND THE EXPECTED DATE CONSTRUCTION ACTIVITIES WILL START UP AGAIN SHOULD BE PROVIDED.
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 - DISCHARGE OF CONSTRUCTION STORM WATER FROM THE SITE IS NOW SUBJECT TO ANOTHER NPDES GENERAL PERMIT OR AN INDIVIDUAL NPDES PERMIT. THE GENERAL PERMIT OR INDIVIDUAL PERMIT NPDES NUMBER AND DATE COVERAGE BEGAN SHOULD BE PROVIDED.
 - THERE IS A NEW OWNER OF THE IDENTIFIED SITE. IF OWNERSHIP OR OPERATION OF THE FACILITY HAS BEEN TRANSFERRED THEN THE PREVIOUS OWNER MUST SUBMIT A NOTICE OF TERMINATION AND THE NEW OWNER MUST SUBMIT A NOTICE OF INTENT FOR COVERAGE UNDER THE GENERAL PERMIT. THE DATE OF TRANSFER AND INFORMATION ON THE NEW OWNER SHOULD BE PROVIDED. NOTE THAT THE PREVIOUS OWNER MAY BE LIABLE FOR DISCHARGE FROM THE SITE UNTIL THE NEW OWNER FILES A NOTICE OF INTENT FOR COVERAGE UNDER THE GENERAL PERMIT.
- SEDIMENT CONTROL BMP'S ARE REQUIRED AT APPROPRIATE LOCATIONS ALONG THE SITE PERIMETER AND AT ALL OPERATIONAL INTERNAL INLETS TO THE STORM DRAIN SYSTEM AT ALL TIMES.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ADEQUATE SEDIMENT CONTROL MATERIALS ARE AVAILABLE TO CONTROL SEDIMENT DISCHARGES AT THE DOWNGRADE PERIMETER AND OPERATIONAL INLETS (WEATHER AND STORM PREDICTIONS CAN BE OBTAINED BY CALLING THE NATIONAL WEATHER SERVICE AT (858) 675-8700 OR BY VISITING THE NATIONAL WEATHER SERVICE WEB SITE AT [HTTP://WWW.WRH.NOAA.GOV/SANDIEGO/INDEX.SHTML](http://www.wrh.noaa.gov/sandiego/index.shtml) FOR WEATHER INFORMATION AND CURRENT SATELLITE/RAUTER FEEDS).
- THE OUTLETS OF ALL SEDIMENT BASINS, TRAPS, AND LOCATIONS OF ARTIFICIALLY CONCENTRATED FLOW SHALL BE PROVIDED WITH OUTLET PROTECTION TO PREVENT EROSION AND SCOUR.
- INSPECTIONS SHALL BE PERFORMED BEFORE AND AFTER STORM EVENTS AND ONCE EACH 24-HOUR PERIOD DURING EXTENDED STORM EVENTS TO IDENTIFY BMP EFFECTIVENESS AND IMPLEMENT REPAIRS OR DESIGN CHANGES AS SOON AS FEASIBLE, DEPENDING ON FIELD CONDITIONS. EQUIPMENT, MATERIALS, AND WORKERS MUST BE AVAILABLE FOR RAPID RESPONSE TO FAILURES AND EMERGENCIES. ALL CORRECTIVE MAINTENANCE TO BMP'S SHALL BE PERFORMED AS SOON AS POSSIBLE AFTER THE CONCLUSION OF EACH STORM, DEPENDING UPON WORKER SAFETY.
- FOR EACH INSPECTION, A QUALIFIED PERSON SHALL COMPLETE AN INSPECTION CHECKLIST CONTAINING THE FOLLOWING MINIMUM INFORMATION: INSPECTION DATE, WEATHER INFORMATION (BEGINNING/END OF STORM EVENT, DURATION, TIME SINCE LAST STORM, APPROXIMATE RAINFALL IN INCHES), DESCRIPTION OF INADEQUATE BMP'S, LIST OF OBSERVATIONS OF ALL BMP'S AND VISIBLE INSPECTION OF OUTFALLS, DISCHARGE POINTS, DOWNSTREAM LOCATIONS, AND PROJECTED REQUIRED MAINTENANCE ACTIVITIES, CORRECTIVE ACTIONS REQUIRED, INCLUDING CHANGES TO THE SWPPP AND IMPLEMENTATION DATES, INSPECTOR'S NAME, TITLE, SIGNATURE, AND QUALIFICATIONS.
- INDIVIDUALS RESPONSIBLE FOR SWPPP IMPLEMENTATION, AND PERMIT COMPLIANCE SHALL BE APPROPRIATELY TRAINED. THIS INCLUDES THOSE PERSONNEL RESPONSIBLE FOR INSTALLATION, INSPECTION, MAINTENANCE, AND REPAIR OF BMP'S. THOSE RESPONSIBLE FOR OVERSEEING, REVISING, AND AMENDING THE SWPPP SHALL ALSO DOCUMENT THEIR TRAINING. THE QUALIFIED PERSON SHALL ATTEND THE PRE-CONSTRUCTION MEETING. THE QUALIFIED PERSON SHALL HAVE KNOWLEDGE AND TRAINING OF THE INTENT AND ENFORCEMENT OF SWPPP'S AND BMP'S AND BE PROPERLY TRAINED TO CONDUCT INSPECTIONS AND PREPARE REPORTS OF THE CONSTRUCTION SITE WITH RESPECT TO THE COUNTY'S GRADING ORDINANCE AND THE SWPPP.
- THE CONTRACTOR SHALL MAINTAIN A COPY OF THE SWPPP AT THE CONSTRUCTION SITE, WHICH SHALL BE PROVIDED, UPON REQUEST, TO THE RWQCB OR CITY PERSONNEL. THE SWPPP IS CONSIDERED A REPORT THAT SHALL BE AVAILABLE TO THE PUBLIC BY THE RWQCB UNDER SECTION 308(B) OF THE CLEAN WATER ACT.

GREEN BUILDING CODE REQUIREMENT

- 100% OF TREES, STUMPS, ROCKS, AND ASSOCIATED VEGETATION AND SOILS RESULTING PRIMARILY FROM LAND CLEARING SHALL BE REUSED OR RECYCLED UNLESS SUCH MATERIAL IS CONTAMINATED BY DISEASE OR PEST INFESTATION.

OPER AND MAINT. PLAN / SWPPP NOTES (CONT)

- RECORDS OF ALL INSPECTIONS, COMPLIANCE CERTIFICATIONS, NONCOMPLIANCE REPORTING, SWPPP AND ANY OTHER DOCUMENTS GENERATED AS PART OF SWPPP, MUST BE RETAINED FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE GENERATED.
- A CONCRETE WASHOUT SHALL BE INSTALLED FOR ALL PROJECTS THAT PROPOSE CONCRETE TO BE MIXED ON SITE OR DELIVERED FROM A BATCH PLANT. THE CONCRETE WASHOUT SHALL BE LOCATED A MINIMUM OF 50' FROM ANY DRAINAGE INFRASTRUCTURE OR NATURAL DRAINAGE FEATURES OR WATERBODIES AND INCORPORATE ANY PERMEABLE LINER (6 MIL MIN) TO CONTAIN THE REQUIRED VOLUME. ALL DRIED CONCRETE WASTE SHALL BE BROKEN INTO MANAGEABLE PIECES AND DISPOSED OF IN A PROPER MANNER. THE CONTRACTOR OR QUALIFIED PERSON SHALL LOCATE CONCRETE WASHOUTS IN THIS PRESCRIBED MANNER AS CONSTRUCTION PROGRESSES.
- THE QUALIFIED PERSON SHALL CONDUCT REGULAR INSPECTIONS OF THE PROJECT SITE IN ACCORDANCE WITH RECOMMENDATIONS OUTLINED IN THE SWPPP. EACH INSPECTION SHALL BE DOCUMENTED IN THE FORM OF WRITTEN REPORTS RETAINED ON SITE. ALL REPORTS SHALL BE MADE AVAILABLE TO THE COUNTY OF SAN DIEGO AND RWQCB REPRESENTATIVES UPON REQUEST.
- THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS SUCH AS DAMAGE TO UNDERGROUND WATER AND SEWER UTILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT POLLUTION.
- THE PERMITTEE OR DESIGNEE SHALL PROVIDE EVIDENCE OF COVERAGE UNDER THE GENERAL CONSTRUCTION NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT, IN THE FORM OF A NOTICE OF INTENT (NOI) FILED WITH THE STATE WATER RESOURCES CONTROL BOARD, PRIOR TO ISSUANCE OF ANY CONSTRUCTION PERMITS.*
- SEDIMENT AND EROSION CONTROLS MAY BE REMOVED ONLY WHEN CONTRIBUTARY UPSTREAM AREAS BECOME STABILIZED OR ARE MANAGED UPSTREAM (I.E. SINGLE-LOT SEDIMENT CONTROLS) AND AS LONG AS SEDIMENT LADEN RUNOFF WILL NOT DISCHARGE FROM THE SITE.
- WHEN FUTURE WORK BY THE DEVELOPER NOT SHOWN ON THIS PLAN IS TO BE PERFORMED, THE SWPPP SHALL BE AMENDED TO INCLUDE SAID WORK AND ANY ADDITIONAL WATER QUALITY CONTROL MEASURES REQUIRED.
- WHEN OWNERSHIP CHANGES FOR PORTIONS OF THE SITE OR THE LIMITS OR NATURE OF WORK ARE ALTERED, THE DEVELOPER SHALL FILE A CHANGE OF INFORMATION (COI) OR A REVISED NOTICE OF INTENT (NOI), RESPECTIVELY, WITH THE RWQCB AND SWRCB, RESPECTIVELY.
- THIS PLAN SHALL BE IN EFFECT UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED, TRANSFERRED TO NEW OWNERSHIP, OR DEVELOPED UNDER FUTURE PLANS WITH ANY NEW NOI, SWPPP, AND WQID NUMBER.

INFILTRATION FACILITIES OR PRACTICES

THE OPERATIONAL AND MAINTENANCE NEEDS OF AN INFILTRATION FACILITY ARE:

- ACCUMULATION OF SEDIMENT, LITTER OR DEBRIS - INSPECT MONTHLY. REMOVE AND PROPERLY DISPOSE OF ACCUMULATED MATERIALS.
- OBSCTURED INLET OR OUTLET STRUCTURE - INSPECT MONTHLY AND AFTER EVERY 0.5-INCH OR LARGER STORM EVENT. CLEAR BLOCKAGE.
- EROSION DUE TO CONCENTRATED IRRIGATION FLOW - INSPECT MONTHLY. REPAIR/RE-SEED/RE-PLANT ERODED AREAS OF THE FACILITY SLOPES AND ADJUST THE IRRIGATION SYSTEM.
- EROSION DUE TO CONCENTRATED STORM WATER RUNOFF FLOW - INSPECT AFTER EVERY 0.5-INCH OR LARGER STORM EVENT. IF EROSION DUE TO STORM WATER FLOW HAS BEEN OBSERVED, INCREASE INSPECTION FREQUENCY TO 0.1-INCH OR LARGER STORM EVENT. REPAIR/RE-SEED/RE-PLANT ERODED AREAS OF THE FACILITY SLOPES AND MAKE APPROPRIATE CORRECTIVE MEASURES SUCH AS ADDING EROSION CONTROL BLANKETS, ADDING STONE AT FLOW ENTRY POINTS, OR MINOR RE-GRADEING TO RESTORE PROPER DRAINAGE ACCORDING TO THE ORIGINAL PLAN.
- STANDING WATER IN INFILTRATION BASIN FOR LONGER THAN 24-96 HOURS FOLLOWING A STORM EVENT - INSPECT MONTHLY AND AFTER EVERY 0.5-INCH OR LARGER STORM EVENT. IF STANDING WATER IS OBSERVED, INCREASE INSPECTION FREQUENCY TO AFTER EVERY 0.1-INCH OR LARGER STORM EVENT. IF IT HAS BEEN DETERMINED THAT THE UNDERLYING SOILS HAVE BEEN COMPACTED OR DO NOT HAVE THE INFILTRATION CAPACITY EXPECTED, THE COUNTY REVIEWER SHALL BE CONTACTED PRIOR TO ANY ADDITIONAL REPAIRS OR RECONSTRUCTION.
- PRESENCE OF MOSQUITOS/LARVAE - INSPECT MONTHLY AND AFTER EVERY 0.5-INCH OR LARGER STORM EVENT. IF MOSQUITOS ARE OBSERVED, INCREASE INSPECTION FREQUENCY TO AFTER EVERY 0.1-INCH OR LARGER STORM EVENT. FIRST REMOVE ANY STANDING WATER BY DISPERSING TO NEARBY LANDSCAPING; SECOND, MAKE CORRECTIVE MEASURES AS APPLICABLE TO RESTORE BMP DRAINAGE TO PREVENT STANDING WATER. IF MOSQUITOS PERSIST FOLLOWING CORRECTIVE MEASURES TO REMOVE STANDING WATER OR IF THE BMP DOES NOT MEET THE 96-HOUR DRAW DOWN CRITERIA BECAUSE THE UNDERLYING SOILS HAVE BEEN COMPACTED OR DO NOT HAVE THE INFILTRATION CAPACITY EXPECTED, THE COUNTY REVIEWER SHALL BE CONTACTED TO DETERMINE A SOLUTION. A DIFFERENT BMP TYPE, OR A VECTOR MANAGEMENT PLAN PREPARED WITH CONCURRENCE FROM THE COUNTY OF SAN DIEGO DEPARTMENT OF ENVIRONMENTAL HEALTH, MAY BE REQUIRED.

BONDED FIBER MATRIX (BFM)

THE USE OF BFM IS SUBJECT TO THE FOLLOWING LIMITATIONS AND RESTRICTIONS:

- APPLICATION RATES SHALL BE 3500 POUNDS PER ACRE MINIMUM FOR 2:1 OR SHALLOWER SLOPES AND 4000 POUNDS PER ACRE FOR SLOPES STEEPER THAN 2:1.
- BFM SHALL BE APPLIED AT LEAST 24 HOURS BEFORE OR AFTER RAINFALL.
- THE SITE MUST BE PROTECTED WITH BROW DITCHES AND/OR DIVERSION DIKES AT THE TOP OF SLOPES TO DIVERT FLOW FROM THE FACE OF THE SLOPE.
- BFM SHALL BE APPLIED TO PROVIDE 100% COVERAGE (I.E. APPLICATION FROM MULTIPLE ANGLES).
- FOR PERMANENT EROSION CONTROL PURPOSES, BFM MUST BE INSTALLED IN CONJUNCTION WITH SEEDED EROSION CONTROL VEGETATION.
- A LETTER FROM THE HYDROSEEDED CONTRACTOR CERTIFYING THAT THE BFM HAS BEEN INSTALLED IN ACCORDANCE WITH THE APPROVED APPLICATION RATES AND COVERAGE REQUIREMENTS SHALL BE SUBMITTED TO THE COUNTY INSPECTOR FOR APPROVAL.

RECORD PLAN			
BY:	NAME	DATE:	
R.C.E.:			
EXPIRES:			
COUNTY APPROVED CHANGES			
NO.	DESCRIPTION:	APPROVED BY:	DATE:

BENCH MARK	
DESCRIPTION:	FOUND 2" BRASS CAP MARKED "VCR-92"
LOCATION:	STORM DRAIN CURB INLET AT THE NORTHWEST CORNER OF OLD ROAD AND VALLEY CENTER ROAD
RECORD FROM:	COUNTY OF SAN DIEGO
ELEVATION:	1,314.45
DATUM:	M.S.L.

PRIVATE CONTRACT		
SHEET 3	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	32 SHEETS
NOTES FOR:		
SOUTH VILLAGE STORAGE		
CALIFORNIA COORDINATE INDEX		380-1750
APPROVED FOR WILLIAM P. MORGAN, COUNTY ENGINEER	ENGINEER OF WORK DATE: BRENT C. MOORE, R.C.E. 59121	
BY:		
DATE:		
PDS2024-LDGRMJ-30505 GRADING PERMIT NO.		

GRADING PLAN NOTES:

PRE-CONSTRUCTION GRADING AND/OR IMPROVEMENTS: (PRIOR TO ANY CLEARING, GRUBBING, TRENCHING, GRADING, OR ANY LAND DISTURBANCES.)

CULT#GR-1 – ARCHAEOLOGICAL MONITORING – PRE-CONSTRUCTION MEETING
 INTENT: IN ORDER TO COMPLY WITH THE COUNTY OF SAN DIEGO GUIDELINES FOR SIGNIFICANCE – CULTURAL RESOURCES, AN ARCHAEOLOGICAL MONITORING PROGRAM SHALL BE IMPLEMENTED. DESCRIPTION OF REQUIREMENT: THE COUNTY APPROVED PROJECT ARCHAEOLOGIST AND LUISENO NATIVE AMERICAN MONITOR SHALL ATTEND THE PRE-CONSTRUCTION MEETING WITH THE CONTRACTORS TO EXPLAIN AND COORDINATE THE REQUIREMENTS OF THE ARCHAEOLOGICAL MONITORING PROGRAM. THE PROJECT ARCHAEOLOGIST AND LUISENO NATIVE AMERICAN MONITOR SHALL MONITOR THE ORIGINAL CUTTING OF PREVIOUSLY UNDISTURBED DEPOSITS IN ALL AREAS IDENTIFIED FOR DEVELOPMENT INCLUDING OFF-SITE IMPROVEMENTS. THE PROJECT ARCHAEOLOGIST AND LUISENO NATIVE AMERICAN MONITOR SHALL ALSO EVALUATE FILL SOILS TO DETERMINE THAT THEY ARE CLEAN OF CULTURAL RESOURCES. THE ARCHAEOLOGICAL MONITORING PROGRAM SHALL COMPLY WITH THE COUNTY OF SAN DIEGO GUIDELINES FOR DETERMINING SIGNIFICANCE AND REPORT FORMAT AND CONTENT REQUIREMENTS FOR CULTURAL RESOURCES. DOCUMENTATION: THE APPLICANT SHALL HAVE THE CONTRACTED PROJECT ARCHAEOLOGIST AND LUISENO NATIVE AMERICAN ATTEND THE PRE-CONSTRUCTION MEETING TO EXPLAIN THE MONITORING REQUIREMENTS. TIMING: PRIOR TO ANY CLEARING, GRUBBING, TRENCHING, GRADING, OR ANY LAND DISTURBANCES THIS CONDITION SHALL BE COMPLETED. MONITORING: THE [DPW, PDCI] SHALL CONFIRM THE ATTENDANCE OF THE APPROVED PROJECT ARCHAEOLOGIST.

BIOPR-1–RESOURCE AVOIDANCE
 INTENT: IN ORDER TO AVOID IMPACTS TO RAPTORS AND MIGRATORY BIRDS, WHICH ARE A SENSITIVE BIOLOGICAL RESOURCE PURSUANT TO THE MIGRATORY BIRD TREATY ACT, A RESOURCE AVOIDANCE AREA (RAA), SHALL BE IMPLEMENTED ON ALL PLANS. DESCRIPTION OF REQUIREMENT: THERE SHALL BE NO BRUSHING, CLEARING AND/OR GRADING SUCH THAT NONE WILL BE ALLOWED WITHIN 300 FEET OF HABITAT DURING THE BREEDING SEASON OF THE RAPTOR AND MIGRATORY BIRDS. THE BREEDING SEASON IS DEFINED AS OCCURRING BETWEEN JANUARY 15TH AND AUGUST 31ST. THE DIRECTOR OF PDS [PDS, PCC] MAY WAIVE THIS CONDITION, THROUGH WRITTEN CONCURRENCE FROM THE US FISH AND WILDLIFE SERVICE AND THE CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE, PROVIDED THAT NO RAPTORS OR MIGRATORY BIRDS ARE PRESENT IN THE VICINITY OF THE BRUSHING, CLEARING OR GRADING AS DEMONSTRATED BY A SURVEY COMPLETED NO MORE THAN 72-HOURS PRIOR TO PROPOSED CLEARING OR GRADING. DOCUMENTATION: THE APPLICANT SHALL PROVIDE A LETTER OF AGREEMENT WITH THIS CONDITION; ALTERNATIVELY, THE APPLICANT MAY SUBMIT A WRITTEN REQUEST FOR WAIVER OF THIS CONDITION. ALTHOUGH, NO GRADING SHALL OCCUR WITHIN THE RAA UNTIL CONCURRENCE IS RECEIVED FROM THE COUNTY AND THE WILDLIFE AGENCIES. TIMING: PRIOR TO PRE-CONSTRUCTION CONFERENCE AND PRIOR TO ANY CLEARING, GRUBBING, TRENCHING, GRADING, OR ANY LAND DISTURBANCES AND THROUGHOUT THE DURATION OF THE GRADING AND CONSTRUCTION, COMPLIANCE WITH THIS CONDITION IS MANDATORY UNLESS THE REQUIREMENT IS WAIVED BY THE COUNTY UPON RECEIPT OF CONCURRENCE FROM THE WILDLIFE AGENCIES. MONITORING: THE [DPW, PDCI] SHALL NOT ALLOW ANY GRADING IN THE RAA DURING THE SPECIFIED DATES, UNLESS A CONCURRENCE FROM THE [PDS, PCC] IS RECEIVED. THE [PDS, PCC] SHALL REVIEW THE CONCURRENCE LETTER.

DURING CONSTRUCTION: (THE FOLLOWING ACTIONS SHALL OCCUR THROUGHOUT THE DURATION OF THE GRADING CONSTRUCTION).

NOISE#GP-1–NOISE–TEMPORARY CONSTRUCTION NOISE:

INTENT: IN ORDER TO MINIMIZE TEMPORARY CONSTRUCTION NOISE FOR GRADING OPERATIONS ASSOCIATED WITH STP-17-037. DESCRIPTION OF REQUIREMENT: THE PROJECT SHALL COMPLY WITH THE FOLLOWING TEMPORARY CONSTRUCTION NOISE CONTROL MEASURES AND SHALL COMPLY WITH THE EIGHT-HOUR AVERAGE SOUND LEVEL OF 75 DBA PURSUANT TO NOISE ORDINANCE SECTION 36.408 & 36.409:

- TURN OFF EQUIPMENT WHEN NOT IN USE.
- EQUIPMENT USED IN CONSTRUCTION SHOULD BE MAINTAINED IN PROPER OPERATING CONDITION, AND ALL LOADS SHOULD BE PROPERLY SECURED, TO PREVENT RATTLING AND BANGING.
- USE EQUIPMENT WITH EFFECTIVE MUFFLERS
- MINIMIZE THE USE OF BACK UP ALARM.
- EQUIPMENT STAGING AREAS SHOULD BE PLACED AT LOCATIONS AWAY FARTHEST AWAY FROM NOISE SENSITIVE RECEIVERS AS DEEMED FEASIBLE.
- TEMPORARY CONSTRUCTION EQUIPMENT OPERATIONS SHALL COMPLY WITH THE COUNTY NOISE ORDINANCE SECTIONS 36.408, 409, AND 410.

DOCUMENTATION: THE APPLICANT SHALL COMPLY WITH THE TEMPORARY CONSTRUCTION NOISE MEASURES AND THE COUNTY NOISE ORDINANCE AS DESCRIBED WITHIN THIS CONDITION. TIMING: THE FOLLOWING ACTIONS SHALL OCCUR THROUGHOUT THE DURATION OF THE GRADING CONSTRUCTION AND CONSTRUCTION EQUIPMENT OPERATIONS. MONITORING: THE [DPW, PDCI] SHALL MAKE SURE THAT THE GRADING CONTRACTOR COMPLIES WITH THE CONSTRUCTION NOISE CONTROL MEASURES OF THIS CONDITION. THE [DPW, PDCI] SHALL CONTACT THE [PDS, PCC] IF THE APPLICANT FAILS TO COMPLY WITH THIS CONDITION.

CULT#GR-2 – ARCHAEOLOGICAL MONITORING – DURING CONSTRUCTION
 INTENT: IN ORDER TO COMPLY WITH THE COUNTY OF SAN DIEGO GUIDELINES FOR DETERMINING SIGNIFICANCE AND REPORT FORMAT AND CONTENT REQUIREMENTS FOR CULTURAL RESOURCES, A CULTURAL RESOURCE GRADING MONITORING PROGRAM SHALL BE IMPLEMENTED. DESCRIPTION OF REQUIREMENT: THE PROJECT ARCHAEOLOGIST AND LUISENO NATIVE AMERICAN MONITOR SHALL MONITOR THE ORIGINAL CUTTING OF PREVIOUSLY UNDISTURBED DEPOSITS IN ALL AREAS IDENTIFIED FOR DEVELOPMENT INCLUDING OFF-SITE IMPROVEMENTS. THE ARCHAEOLOGICAL MONITORING PROGRAM SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS DURING EARTH-DISTURBING ACTIVITIES:

- MONITORING. DURING THE ORIGINAL CUTTING OF PREVIOUSLY UNDISTURBED DEPOSITS, THE PROJECT ARCHAEOLOGIST AND LUISENO NATIVE AMERICAN MONITOR SHALL BE ON-SITE AS DETERMINED NECESSARY BY THE PROJECT ARCHAEOLOGIST. INSPECTIONS WILL VARY BASED ON THE RATE OF EXCAVATION, THE MATERIALS EXCAVATED, AND THE PRESENCE AND ABUNDANCE OF ARTIFACTS AND FEATURES. THE FREQUENCY AND LOCATION OF INSPECTIONS WILL BE DETERMINED BY THE PROJECT ARCHAEOLOGIST IN CONSULTATION WITH THE LUISENO NATIVE AMERICAN MONITOR. MONITORING OF THE CUTTING OF PREVIOUSLY DISTURBED DEPOSITS WILL BE DETERMINED BY THE PROJECT ARCHAEOLOGIST IN CONSULTATION WITH THE LUISENO NATIVE AMERICAN MONITOR.
- INADVERTENT DISCOVERIES. IN THE EVENT THAT PREVIOUSLY UNIDENTIFIED POTENTIALLY SIGNIFICANT CULTURAL RESOURCES ARE DISCOVERED:

- THE PROJECT ARCHAEOLOGIST OR THE LUISENO NATIVE AMERICAN MONITOR SHALL HAVE THE AUTHORITY TO DIVERT OR TEMPORARILY HALT GROUND DISTURBANCE OPERATIONS IN THE AREA OF DISCOVERY TO ALLOW EVALUATION OF POTENTIALLY SIGNIFICANT CULTURAL RESOURCES.
- AT THE TIME OF DISCOVERY, THE PROJECT ARCHAEOLOGIST SHALL CONTACT THE PDS STAFF ARCHAEOLOGIST.
- THE PROJECT ARCHAEOLOGIST, IN CONSULTATION WITH THE PDS STAFF ARCHAEOLOGIST AND THE LUISENO NATIVE AMERICAN MONITOR, SHALL DETERMINE THE SIGNIFICANCE OF THE DISCOVERED RESOURCES.
- CONSTRUCTION ACTIVITIES WILL BE ALLOWED TO RESUME IN THE AFFECTED AREA ONLY AFTER THE PDS STAFF ARCHAEOLOGIST HAS CONCURRED WITH THE EVALUATION.
- ISOLATES AND CLEARLY NON-SIGNIFICANT DEPOSITS SHALL BE MINIMALLY DOCUMENTED IN THE FIELD. SHOULD THE ISOLATES AND/OR NON-SIGNIFICANT DEPOSITS NOT BE COLLECTED BY THE PROJECT ARCHAEOLOGIST, THEN THE LUISENO NATIVE AMERICAN MONITOR MAY COLLECT THE CULTURAL MATERIAL FOR TRANSFER TO A TRIBAL CURATION FACILITY OR REPATRIATION PROGRAM.
- IF CULTURAL RESOURCES ARE DETERMINED TO BE SIGNIFICANT, A RESEARCH DESIGN AND DATA RECOVERY PROGRAM (PROGRAM) SHALL BE PREPARED BY THE PROJECT ARCHAEOLOGIST IN CONSULTATION WITH THE LUISENO NATIVE AMERICAN MONITOR. THE COUNTY ARCHAEOLOGIST SHALL REVIEW AND APPROVE THE PROGRAM, WHICH SHALL BE CARRIED OUT USING PROFESSIONAL ARCHAEOLOGICAL METHODS. THE PROGRAM SHALL INCLUDE (1) REASONABLE EFFORTS TO PRESERVE (AVOIDANCE) UNIQUE CULTURAL RESOURCES OR SACRED SITES; (2) THE CAPPING OF IDENTIFIED SACRED SITES OR UNIQUE CULTURAL RESOURCES AND PLACEMENT OF DEVELOPMENT OVER THE CAP, IF AVOIDANCE IS INFEASIBLE; AND (3) DATA RECOVERY FOR NON-UNIQUE CULTURAL RESOURCES. THE PREFERRED OPTION IS PRESERVATION (AVOIDANCE).

c. HUMAN REMAINS. IF ANY HUMAN REMAINS ARE DISCOVERED:

- THE PROPERTY OWNER OR THEIR REPRESENTATIVE SHALL CONTACT THE COUNTY CORONER AND THE PDS STAFF ARCHAEOLOGIST.
- UPON IDENTIFICATION OF HUMAN REMAINS, NO FURTHER DISTURBANCE SHALL OCCUR IN THE AREA OF THE FIND UNTIL THE COUNTY CORONER HAS MADE THE NECESSARY FINDINGS AS TO ORIGIN. IF THE HUMAN REMAINS ARE TO BE TAKEN OFFSITE FOR EVALUATION, THEY SHALL BE ACCOMPANIED BY THE LUISENO NATIVE AMERICAN MONITOR.
- IF THE REMAINS ARE DETERMINED TO BE OF NATIVE AMERICAN ORIGIN, THE NABC SHALL IMMEDIATELY CONTACT THE MOST LIKELY DESCENDANT (MLD).
- THE IMMEDIATE VICINITY WHERE THE NATIVE AMERICAN HUMAN REMAINS ARE LOCATED IS NOT TO BE DAMAGED OR DISTURBED BY FURTHER DEVELOPMENT ACTIVITY UNTIL CONSULTATION WITH THE MLD REGARDING THEIR RECOMMENDATIONS AS REQUIRED BY PUBLIC RESOURCES CODE SECTION 5097.98 HAS BEEN CONDUCTED.
- THE MLD MAY WITH THE PERMISSION OF THE LANDOWNER, OR THEIR AUTHORIZED REPRESENTATIVE, INSPECT THE SITE OF THE DISCOVERY OF THE NATIVE AMERICAN HUMAN REMAINS AND MAY RECOMMEND TO THE OWNER OR THE PERSON RESPONSIBLE FOR THE EXCAVATION WORK MEANS FOR TREATMENT OR DISPOSITION, WITH APPROPRIATE DIGNITY, OF THE HUMAN REMAINS AND ANY ASSOCIATED GRAVE GOODS. THE DESCENDANTS SHALL COMPLETE THEIR INSPECTION AND MAKE RECOMMENDATIONS OR PREFERENCES FOR TREATMENT WITHIN 48 HOURS OF BEING GRANTED ACCESS TO THE SITE.
- PUBLIC RESOURCES CODE §5097.98, CEQA §15064.5 AND HEALTH & SAFETY CODE §7050.5 SHALL BE FOLLOWED IN THE EVENT THAT HUMAN REMAINS ARE DISCOVERED.

d. FILL SOILS. THE PROJECT ARCHAEOLOGIST AND LUISENO NATIVE AMERICAN MONITOR SHALL EVALUATE FILL SOILS TO DETERMINE THAT THEY ARE CLEAN OF CULTURAL RESOURCES.

e. MONTHLY REPORTING. THE PROJECT ARCHAEOLOGIST SHALL SUBMIT MONTHLY STATUS REPORTS TO THE DIRECTOR OF PLANNING AND DEVELOPMENT SERVICES STARTING FROM THE DATE OF THE NOTICE TO PROCEED TO TERMINATION OF IMPLEMENTATION OF THE ARCHAEOLOGICAL MONITORING PROGRAM. THE REPORT SHALL BRIEFLY SUMMARIZE ALL ACTIVITIES DURING THE PERIOD AND THE STATUS OF PROGRESS ON OVERALL PLAN IMPLEMENTATION. UPON COMPLETION OF THE IMPLEMENTATION PHASE, A FINAL REPORT SHALL BE SUBMITTED DESCRIBING THE PLAN COMPLIANCE PROCEDURES AND SITE CONDITIONS BEFORE AND AFTER CONSTRUCTION.

DOCUMENTATION: THE APPLICANT SHALL IMPLEMENT THE ARCHAEOLOGICAL MONITORING PROGRAM PURSUANT TO THIS CONDITION. TIMING: THE FOLLOWING ACTIONS SHALL OCCUR THROUGHOUT THE DURATION OF THE EARTH DISTURBING ACTIVITIES. MONITORING: THE [DPW, PDCI] SHALL MAKE SURE THAT THE PROJECT ARCHAEOLOGIST IS ON-SITE PERFORMING THE MONITORING DUTIES OF THIS CONDITION. THE [DPW, PDCI] SHALL CONTACT THE [PDS, PPD] IF THE PROJECT ARCHAEOLOGIST OR APPLICANT FAILS TO COMPLY WITH THIS CONDITION.

PALEO#GR-1 – PALEONTOLOGICAL MONITORING
 INTENT: IN ORDER TO COMPLY WITH THE COUNTY OF SAN DIEGO SIGNIFICANCE AND REPORT FORMAT GUIDELINES FOR PALEONTOLOGICAL RESOURCES, A PALEONTOLOGICAL MONITORING PROGRAM SHALL BE IMPLEMENTED. DESCRIPTION OF REQUIREMENT: THIS PROJECT SITE HAS MARGINAL LEVELS OF SENSITIVE PALEONTOLOGICAL RESOURCES. ALL GRADING ACTIVITIES ARE SUBJECT TO THE COUNTY OF SAN DIEGO GRADING ORDINANCE SECTION 87.421.A.2. IF ANY SIGNIFICANT RESOURCES (FOSSILS) ARE ENCOUNTERED DURING GRADING ACTIVITIES.

a. THE GRADING CONTRACTOR IS RESPONSIBLE TO MONITOR FOR PALEONTOLOGICAL RESOURCES DURING ALL GRADING ACTIVITIES. IF ANY FOSSILS ARE FOUND GREATER THAN 12 INCHES IN ANY DIMENSION, STOP ALL GRADING ACTIVITIES AND CONTACT PDS BEFORE CONTINUING GRADING OPERATIONS.

IF ANY PALEONTOLOGICAL RESOURCES ARE DISCOVERED AND SALVAGED, THE MONITORING, RECOVERY, AND SUBSEQUENT WORK DETERMINED NECESSARY SHALL BE COMPLETED BY OR UNDER THE SUPERVISION OF A QUALIFIED PALEONTOLOGIST PURSUANT TO THE SAN DIEGO COUNTY GUIDELINES FOR DETERMINING SIGNIFICANCE FOR PALEONTOLOGICAL RESOURCES.

TIMING: THE FOLLOWING ACTIONS SHALL OCCUR THROUGHOUT THE DURATION OF THE GRADING CONSTRUCTION. MONITORING: THE [DPW, PDCI] SHALL MAKE SURE THAT THE GRADING CONTRACTOR IS ON-SITE PERFORMING THE MONITORING DUTIES OF THIS CONDITION. THE [DPW, PDCI] SHALL CONTACT PDS IF THE GRADING CONTRACTOR OR APPLICANT FAILS TO COMPLY WITH THIS CONDITION.

AIR#1–FUGITIVE DUST

INTENT: IN ORDER TO MITIGATE FOR FUGITIVE DUST DURING CONSTRUCTION ACTIVITIES. DESCRIPTION OF REQUIREMENT: THE PROJECT SHALL COMPLY WITH THE FOLLOWING AIR QUALITY MEASURES:

- ALL HAUL/DUMP TRUCKS ENTERING OR LEAVING THE SITE WITH SOIL OR FILL MATERIAL MUST MAINTAIN AT LEAST TWO (2) FEET OF FREEBOARD OR COVER LOADS OF ALL HAUL/DUMP TRUCKS SECURELY.
- AREAS RECENTLY DISTURBED BY DOZERS/SCRAPER PASSES AND ANY UNPAVED ROADS WITHIN THE PROJECT LIMITS WILL BE WATERED A MINIMUM OF THREE (3) TIMES DAILY.
- GRADING ACTIVITIES WILL BE TERMINATED IN WINDS IN EXCESS OF 25 MILES PER HOUR (MPH).
- DUST AND DEBRIS AT PUBLIC STREET ACCESS POINTS SHALL BE CLEANED REGULARLY USING SWEEPERS AND WATER TRUCKS.
- DIRT STORAGE PILES WILL BE STABILIZED BY CHEMICAL BINDERS, TARPS, FENCING, OR OTHER SUPPRESSION MEASURES.
- INTERNAL CONSTRUCTION-ROADWAYS WILL BE STABILIZED BY PAVING, CHIP SEALING OR APPLYING STABILIZING CHEMICALS AFTER ROUGH GRADING.
- A 15-MPH SPEED LIMIT ON UNPAVED SURFACES SHALL BE ENFORCED.

DOCUMENTATION: THE APPLICANT OR DESIGNEE SHALL COMPLY WITH THE AIR QUALITY REQUIREMENTS OF THIS CONDITION. TIMING: THE FOLLOWING ACTIONS SHALL OCCUR THROUGHOUT THE DURATION OF CONSTRUCTION AND GRADING. MONITORING: THE [DPW, PDCI] SHALL MAKE SURE THAT THE GRADING CONTRACTOR COMPLIES WITH THE AIR QUALITY REQUIREMENTS OF THIS CONDITION. THE [DPW, PDCI] SHALL CONTACT THE [DPLU, PCC] IF THE APPLICANT FAILS TO COMPLY WITH THIS CONDITION.

AIR#2–CONSTRUCTION EXHAUST EMISSIONS

INTENT: IN ORDER TO MITIGATE FOR EXHAUST EMISSIONS DURING CONSTRUCTION ACTIVITIES. DESCRIPTION OF REQUIREMENT: THE PROJECT SHALL COMPLY WITH THE FOLLOWING AIR QUALITY AND GREENHOUSE GAS MEASURES:

- THE PROJECT SHALL REQUIRE THE CONSTRUCTION CONTRACTOR TO PROVIDE A CONSTRUCTION FLEET THAT USES HEAVY-DUTY DIESEL-POWERED EQUIPMENT EQUIPPED WITH TIER 4 DIESEL ENGINES. AN EXEMPTION FROM THESE REQUIREMENTS MAY BE GRANTED BY THE COUNTY IF THE APPLICANT DOCUMENTS THAT EQUIPMENT WITH THE REQUIRED TIER IS NOT REASONABLY AVAILABLE AND CORRESPONDING REDUCTIONS IN CRITERIA AIR POLLUTANT EMISSIONS ARE ACHIEVED FROM OTHER CONSTRUCTION EQUIPMENT. BEFORE AN EXEMPTION MAY BE CONSIDERED BY THE COUNTY, THE APPLICANT SHALL BE REQUIRED TO DEMONSTRATE THAT THREE CONSTRUCTION FLEET OWNERS/OPERATORS IN THE SAN DIEGO REGION WERE CONTACTED AND THAT THOSE OWNERS/OPERATORS CONFIRMED TIER 4 EQUIPMENT COULD NOT BE LOCATED WITHIN THE SAN DIEGO REGION.
- THE PROJECT SHALL REQUIRE THE CONSTRUCTION CONTRACTOR TO EQUIP ALL HEAVY-DUTY DIESEL-POWERED CONSTRUCTION EQUIPMENT WITH DIESEL PARTICULATE FILTERS (DPFS).
- CONSTRUCTION EQUIPMENT SHALL BE OUTFITTED WITH BEST AVAILABLE CONTROL TECHNOLOGY (BACT) DEVICES CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD. A COPY OF EACH UNIT'S BACT DOCUMENTATION SHALL BE PROVIDED TO THE COUNTY OF SAN DIEGO AT THE TIME OF MOBILIZATION OF EACH APPLICABLE UNIT OF EQUIPMENT.

DOCUMENTATION: THE APPLICANT OR DESIGNEE SHALL COMPLY WITH THE AIR QUALITY AND GREENHOUSE GAS REQUIREMENTS OF THIS CONDITION. THE APPLICANT SHALL SHOW COMPLIANCE WITH THIS MEASURE BY PROVIDING THE CONSTRUCTION BID/ESTIMATE FROM THE CONSTRUCTION CONTRACTOR THAT WILL BE USED. TIMING: PRIOR TO APPROVAL OF ANY GRADING AND/OR IMPROVEMENT PLANS AND ISSUANCE OF ANY GRADING OR CONSTRUCTION PERMITS. MONITORING: THE [DPW, PDCI] SHALL MAKE SURE THAT THE GRADING CONTRACTOR COMPLIES WITH THE AIR QUALITY REQUIREMENTS OF THIS CONDITION. THE [DPW, PDCI] SHALL CONTACT THE [DPLU, PCC] IF THE APPLICANT FAILS TO COMPLY WITH THIS CONDITION.

AIR#3–CUMULATIVE CONSTRUCTION SCHEDULE

INTENT: IN ORDER TO AVOID A SIGNIFICANT CUMULATIVE AIR QUALITY IMPACT. DESCRIPTION OF REQUIREMENT: THE PROJECT SHALL COORDINATE GRADING SCHEDULES WITH COUNTY STAFF AND OTHER CONSTRUCTION PROJECTS OCCURRING WITHIN THE PROJECT VICINITY TO AVOID SIMULTANEOUS GRADING ACTIVITIES, TO THE EXTENT FEASIBLE. DOCUMENTATION: THE APPLICANT SHALL COMPLY WITH THE AIR QUALITY REQUIREMENTS OF THIS CONDITION. TIMING: THE FOLLOWING ACTION SHALL OCCUR THROUGHOUT THE DURATION OF THE CONSTRUCTION GRADING ACTIVITIES. MONITORING: THE [DPW, PDCI] SHALL MAKE SURE THAT THE GRADING CONTRACTOR COMPLIES WITH THE AIR QUALITY REQUIREMENTS OF THIS CONDITION. THE [DPW, PDCI] SHALL CONTACT THE [DPLU, PCC] IF THE APPLICANT FAILS TO COMPLY WITH THIS CONDITION.

ROUGH GRADING: (PRIOR TO ROUGH GRADING APPROVAL AND ISSUANCE OF ANY BUILDING PERMIT).

CULT#GR-3 – ARCHAEOLOGICAL MONITORING – ROUGH GRADING

INTENT: IN ORDER TO COMPLY WITH THE COUNTY OF SAN DIEGO GUIDELINES FOR DETERMINING SIGNIFICANCE AND REPORT FORMAT AND CONTENT REQUIREMENTS FOR CULTURAL RESOURCES, AN ARCHAEOLOGICAL MONITORING PROGRAM SHALL BE IMPLEMENTED. DESCRIPTION OF REQUIREMENT: THE PROJECT ARCHAEOLOGIST SHALL PREPARE ONE OF THE FOLLOWING REPORTS UPON COMPLETION OF THE EARTH-DISTURBING ACTIVITIES THAT REQUIRE MONITORING:

- NO ARCHAEOLOGICAL RESOURCES ENCOUNTERED. IF NO ARCHAEOLOGICAL RESOURCES ARE ENCOUNTERED DURING EARTH-DISTURBING ACTIVITIES, THEN SUBMIT A FINAL NEGATIVE MONITORING REPORT SUBSTANTIATING THAT EARTH-DISTURBING ACTIVITIES ARE COMPLETED AND NO CULTURAL RESOURCES WERE ENCOUNTERED. ARCHAEOLOGICAL MONITORING LOGS SHOWING THE DATE AND TIME THAT THE MONITOR WAS ON SITE AND ANY COMMENTS FROM THE NATIVE AMERICAN MONITOR MUST BE INCLUDED IN THE NEGATIVE MONITORING REPORT.
- ARCHAEOLOGICAL RESOURCES ENCOUNTERED. IF ARCHAEOLOGICAL RESOURCES WERE ENCOUNTERED DURING THE EARTH DISTURBING ACTIVITIES, THE PROJECT ARCHAEOLOGIST SHALL PROVIDE AN ARCHAEOLOGICAL MONITORING REPORT STATING THAT THE FIELD MONITORING ACTIVITIES HAVE BEEN COMPLETED, AND THAT RESOURCES HAVE BEEN ENCOUNTERED. THE REPORT SHALL DETAIL ALL CULTURAL ARTIFACTS AND DEPOSITS DISCOVERED DURING MONITORING AND THE ANTICIPATED TIME SCHEDULE FOR COMPLETION OF THE CURATION AND/OR REPATRIATION PHASE OF THE MONITORING.

DOCUMENTATION: THE APPLICANT SHALL SUBMIT THE ARCHAEOLOGICAL MONITORING REPORT TO [PDS, PPD] FOR REVIEW AND APPROVAL. ONCE APPROVED, A FINAL COPY OF THE REPORT SHALL BE SUBMITTED TO THE SOUTH COASTAL INFORMATION CENTER, AND ANY CULTURALLY AFFILIATED TRIBE WHO REQUESTS A COPY. TIMING: UPON COMPLETION OF ALL EARTH-DISTURBING ACTIVITIES, AND PRIOR TO ROUGH GRADING FINAL INSPECTION (GRADING ORDINANCE SEC 87.421.A.2), THE REPORT SHALL BE COMPLETED. MONITORING: [PDS, PPD] SHALL REVIEW THE REPORT OR FIELD MONITORING MEMO FOR COMPLIANCE WITH THE PROJECT MMRP, AND INFORM [DPW, PDCI] THAT THE REQUIREMENT IS COMPLETED.

PALEO#GR-2 – PALEONTOLOGICAL MONITORING

INTENT: IN ORDER TO COMPLY WITH THE COUNTY OF SAN DIEGO SIGNIFICANCE AND REPORT FORMAT GUIDELINES FOR PALEONTOLOGICAL RESOURCES, A PALEONTOLOGICAL MONITORING PROGRAM SHALL BE IMPLEMENTED. DESCRIPTION OF REQUIREMENT: ONE OF THE FOLLOWING LETTERS SHALL BE PERFORMED UPON COMPLETION OF THE GRADING ACTIVITIES THAT REQUIRE MONITORING:

- IF NO PALEONTOLOGICAL RESOURCES WERE DISCOVERED, SUBMIT A 'NO FOSSILS FOUND' LETTER FROM THE GRADING CONTRACTOR TO PDS STATING THAT THE MONITORING HAS BEEN COMPLETED AND THAT NO FOSSILS WERE DISCOVERED, AND INCLUDING THE NAMES AND SIGNATURES FROM THE FOSSIL MONITORS. THE LETTER SHALL BE IN THE FORMAT OF ATTACHMENT E OF THE COUNTY OF SAN DIEGO GUIDELINES FOR DETERMINING SIGNIFICANCE FOR PALEONTOLOGICAL RESOURCES.
- IF PALEONTOLOGICAL RESOURCES WERE ENCOUNTERED DURING GRADING, A LETTER SHALL BE PREPARED STATING THAT THE FIELD GRADING MONITORING ACTIVITIES HAVE BEEN COMPLETED, AND THAT RESOURCES HAVE BEEN ENCOUNTERED. THE LETTER SHALL DETAIL THE ANTICIPATED TIME SCHEDULE FOR COMPLETION OF THE CURATION PHASE OF THE MONITORING.

DOCUMENTATION: THE APPLICANT SHALL SUBMIT THE LETTER REPORT TO PDS FOR REVIEW AND APPROVAL. TIMING: UPON COMPLETION OF ALL GRADING ACTIVITIES, AND PRIOR TO ROUGH GRADING FINAL INSPECTION (GRADING ORDINANCE SEC 87.421.A.2), THE LETTER REPORT SHALL BE COMPLETED. MONITORING: PDS SHALL REVIEW THE FINAL NEGATIVE LETTER REPORT OR FIELD MONITORING MEMO FOR COMPLIANCE WITH THE PROJECT MMRP, AND INFORM [DPW, PDCI] THAT THE REQUIREMENT IS COMPLETED.

FINAL GRADING RELEASE: (PRIOR TO ANY OCCUPANCY, FINAL GRADING RELEASE, OR USE OF THE PREMISES IN RELIANCE OF THIS PERMIT).

CULT#GR-4 – ARCHAEOLOGICAL MONITORING – FINAL GRADING

INTENT: IN ORDER TO COMPLY WITH THE COUNTY OF SAN DIEGO GUIDELINES FOR DETERMINING SIGNIFICANCE AND REPORT FORMAT AND CONTENT REQUIREMENTS FOR CULTURAL RESOURCES, AN ARCHAEOLOGICAL MONITORING PROGRAM SHALL BE IMPLEMENTED. DESCRIPTION OF REQUIREMENT: THE PROJECT ARCHAEOLOGIST SHALL PREPARE A FINAL REPORT THAT DOCUMENTS THE RESULTS, ANALYSIS, AND CONCLUSIONS OF ALL PHASES OF THE ARCHAEOLOGICAL MONITORING PROGRAM IF CULTURAL RESOURCES WERE ENCOUNTERED DURING EARTH-DISTURBING ACTIVITIES. THE REPORT SHALL INCLUDE THE FOLLOWING, IF APPLICABLE:

- DEPARTMENT OF PARKS AND RECREATION PRIMARY AND ARCHAEOLOGICAL SITE FORMS.
- DAILY MONITORING LOGS
- EVIDENCE THAT ALL CULTURAL MATERIALS HAVE BEEN CONVEYED AS FOLLOWS:

(1) EVIDENCE THAT ALL PREHISTORIC MATERIALS COLLECTED DURING THE ARCHAEOLOGICAL MONITORING PROGRAM HAVE BEEN SUBMITTED TO A SAN DIEGO CURATION FACILITY OR A CULTURALLY AFFILIATED NATIVE AMERICAN TRIBAL CURATION FACILITY THAT MEETS FEDERAL STANDARDS PER 36 CFR PART 79, AND, THEREFORE, WOULD BE PROFESSIONALLY CURATED AND MADE AVAILABLE TO OTHER ARCHAEOLOGISTS/RESEARCHERS FOR FURTHER STUDY. THE COLLECTIONS AND ASSOCIATED RECORDS, INCLUDING TITLE, SHALL BE TRANSFERRED TO THE SAN DIEGO CURATION FACILITY OR CULTURALLY AFFILIATED NATIVE AMERICAN TRIBAL CURATION FACILITY AND SHALL BE ACCOMPANIED BY PAYMENT OF THE FEES NECESSARY FOR PERMANENT CURATION. EVIDENCE SHALL BE IN THE FORM OF A LETTER FROM THE CURATION FACILITY STATING THAT THE PREHISTORIC ARCHAEOLOGICAL MATERIALS HAVE BEEN RECEIVED AND THAT ALL FEES HAVE BEEN PAID.

OR

EVIDENCE THAT ALL PREHISTORIC MATERIALS COLLECTED DURING THE GRADING MONITORING PROGRAM HAVE BEEN REPATRIATED TO A NATIVE AMERICAN GROUP OF APPROPRIATE TRIBAL AFFINITY AND SHALL BE ACCOMPANIED BY PAYMENT OF THE FEES NECESSARY, IF REQUIRED. EVIDENCE SHALL BE IN THE FORM OF A LETTER FROM THE NATIVE AMERICAN TRIBE TO WHOM THE CULTURAL RESOURCES HAVE BEEN REPATRIATED IDENTIFYING THAT THE ARCHAEOLOGICAL MATERIALS HAVE BEEN RECEIVED.

(2) HISTORIC MATERIALS SHALL BE CURATED AT A SAN DIEGO CURATION FACILITY AND SHALL NOT BE CURATED AT A TRIBAL CURATION FACILITY OR REPATRIATED. THE COLLECTIONS AND ASSOCIATED RECORDS, INCLUDING TITLE, SHALL BE TRANSFERRED TO THE SAN DIEGO CURATION FACILITY AND SHALL BE ACCOMPANIED BY PAYMENT OF THE FEES NECESSARY FOR PERMANENT CURATION. EVIDENCE SHALL BE IN THE FORM OF A LETTER FROM THE CURATION FACILITY STATING THAT THE HISTORIC MATERIALS HAVE BEEN RECEIVED AND THAT ALL FEES HAVE BEEN PAID.

d. IF NO CULTURAL RESOURCES ARE DISCOVERED, A NEGATIVE MONITORING REPORT MUST BE SUBMITTED STATING THAT THE ARCHAEOLOGICAL MONITORING ACTIVITIES HAVE BEEN COMPLETED. GRADING MONITORING LOGS MUST BE SUBMITTED WITH THE NEGATIVE MONITORING REPORT.

DOCUMENTATION: THE APPLICANT'S ARCHAEOLOGIST SHALL PREPARE THE FINAL REPORT AND SUBMIT IT TO [PDS, PPD] FOR APPROVAL. ONCE APPROVED, A FINAL COPY OF THE REPORT SHALL BE SUBMITTED TO THE SOUTH COASTAL INFORMATION CENTER (SCIC), SAN LUIS REY BAND OF MISSION INDIANS, AND ANY CULTURALLY AFFILIATED TRIBE WHO REQUESTS A COPY. TIMING: PRIOR TO ANY OCCUPANCY, FINAL GRADING RELEASE, OR USE OF THE PREMISES IN RELIANCE OF THIS PERMIT, THE FINAL REPORT SHALL BE PREPARED. MONITORING: [PDS, PPD] SHALL REVIEW THE FINAL REPORT FOR COMPLIANCE WITH THIS CONDITION AND THE REPORT FORMAT GUIDELINES. UPON ACCEPTANCE OF THE REPORT, [PDS, LOR] AND [DPW, PDCI] SHALL INFORM [PDS, LOR] AND [DPW, PDCI] THAT THE REQUIREMENT IS COMPLETE, AND THE BOND AMOUNT CAN BE RELINQUISHED. IF THE MONITORING WAS BONDED SEPARATELY, THEN [PDS, PPD] SHALL INFORM [PDS OR DPW FISCAL] TO RELEASE THE BOND BACK TO THE APPLICANT.

LANDSCP#2–CERTIFICATION OF INSTALLATION

INTENT: IN ORDER TO PROVIDE ADEQUATE LANDSCAPING THAT PROVIDES SCREENING, AND TO COMPLY WITH THE CSD WATER EFFICIENT LANDSCAPE DESIGN MANUAL, THE CSD WATER CONSERVATION IN LANDSCAPING ORDINANCE, THE CSD PARKING DESIGN MANUAL, THE CSD GRADING ORDINANCE, AND THE VALLEY CENTER DESIGN GUIDELINES, ALL LANDSCAPING SHALL BE INSTALLED. DESCRIPTION OF REQUIREMENT: ALL OF THE LANDSCAPING SHALL BE INSTALLED PURSUANT TO THE APPROVED LANDSCAPE DOCUMENTATION PACKAGE. THIS DOES NOT SUPERSEDE ANY EROSION CONTROL PLANTINGS THAT MAY BE APPLIED PURSUANT TO SECTION 87.417 AND 87.418 OF THE COUNTY GRADING ORDINANCE. THESE AREAS MAY BE OVERLAPPING, BUT ANY REQUIREMENTS OF A GRADING PLAN SHALL BE COMPLIED WITH SEPARATELY. THE INSTALLATION OF THE LANDSCAPING CAN BE PHASED PURSUANT TO CONSTRUCTION OF SPECIFIC BUILDINGS OR PHASES TO THE SATISFACTION OF THE [PDS, LA, PCC] [DPR, TC, PP]. DOCUMENTATION: THE APPLICANT SHALL SUBMIT TO THE [PDS, LA, PCC] A LANDSCAPE CERTIFICATE OF COMPLETION FROM THE PROJECT CALIFORNIA LICENSED LANDSCAPE ARCHITECT, ARCHITECT, OR CIVIL ENGINEER, THAT ALL LANDSCAPING HAS BEEN INSTALLED AS SHOWN ON THE APPROVED LANDSCAPE DOCUMENTATION PACKAGE. THE APPLICANT SHALL PREPARE THE LANDSCAPE CERTIFICATE OF COMPLETION USING THE LANDSCAPE CERTIFICATE OF COMPLETION CHECKLIST, PDS FORM #406. TIMING: PRIOR TO ANY OCCUPANCY, FINAL GRADING RELEASE, OR USE OF THE PREMISES IN RELIANCE OF THIS PERMIT, THE LANDSCAPING SHALL BE INSTALLED. MONITORING: THE [PDS, LA] SHALL VERIFY THE LANDSCAPE INSTALLATION UPON NOTIFICATION OF OCCUPANCY OR USE OF THE PROPERTY, AND NOTIFY THE [PDS, PCC] [DPR, TC, PP] OF COMPLIANCE WITH THE APPROVED LANDSCAPE DOCUMENTATION PACKAGE.

HAZARDS NOTICE: IN THE EVENT THAT ANY ACTIVITY, INCLUDING EARTHMOVING OR CONSTRUCTION, DISCOVERS THE PRESENCE OF CONTAMINATED SOILS ON-SITE, THE CONTRACTOR AND/OR PROPERTY OWNER SHALL NOTIFY THE COUNTY OF SAN DIEGO PLANNING & DEVELOPMENT SERVICES DEPARTMENT AND THE DEPARTMENT OF ENVIRONMENTAL HEALTH. THE PRESENCE OF CONTAMINATED SOILS WILL REQUIRE SOIL TESTING AND REMEDIATION IN ACCORDANCE WITH STANDARD COUNTY PROCEDURES. THIS PROCESS WILL BE DETERMINED ONCE THE COUNTY IS NOTIFIED OF THE PRESENCE OF CONTAMINATED SOILS.

RECORD PLAN			
BY: _____		DATE: _____	
R.C.E. _____			
EXPIRES: _____			
COUNTY APPROVED CHANGES			
NO.	DESCRIPTION:	APPROVED BY:	DATE:



43950 MARGARITA ROAD, SUITE 'C'
 TEMECULA, CA 92592
 PH: (951) 587-2020
 FAX: (951) 587-2626

BENCH MARK

DESCRIPTION: FOUND 2" BRASS CAP MARKED "VCR-92"

LOCATION: STORM DRAIN CURB INLET AT THE NORTHWEST CORNER OF OLD ROAD AND VALLEY CENTER ROAD

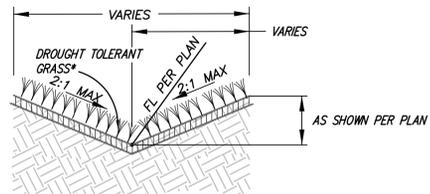
RECORD FROM: COUNTY OF SAN DIEGO

ELEVATION: 1314.45 DATUM: M.S.L.

PRIVATE CONTRACT		
SHEET 4	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	32 SHEETS
NOTES FOR: SOUTH VILLAGE STORAGE		
CALIFORNIA COORDINATE INDEX		380-1750
APPROVED FOR WILLIAM P. MORGAN, COUNTY ENGINEER	ENGINEER OF WORK DATE: BRENT C. MOORE, R.C.E. 59121	PDS2024-LDGRMJ-30505 GRADING PERMIT NO.
BY: _____	DATE: _____	

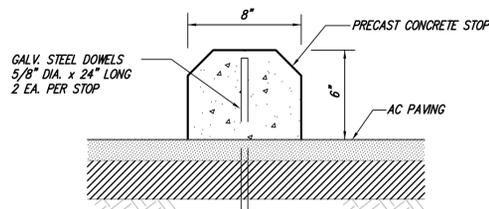


ENGINEERS NAME: ALIDADE ENGINEERING
 PHONE NO. (951) 587-2020



*SLOPES/FLOWLINE TO BE PROTECTED WITH DROUGHT TOLERANT HYDROSEED MIX. FLOWLINE SHOWN PER PLAN AT TOP OF HYDROSEED.

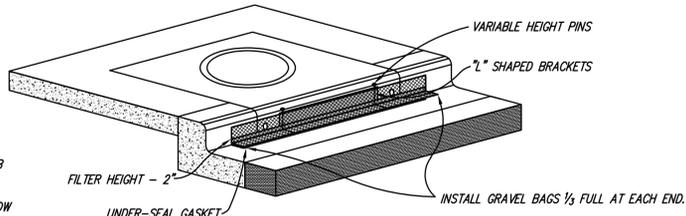
BLADED/VEGETATED SWALE (PVT) 14
NOT TO SCALE



6" CONCRETE WHEEL STOP (PVT) 73
NOT TO SCALE

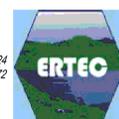
INLET SIZE	# OF CIG SEGMENTS
5'	1
10'	2
15'	3
20'	4
25'	5
30'	6

CONSTRUCTION DETAILS
 *MINIMUM 2 INTEGRATED "L" BRACKETS
 *MINIMUM 2 VARIABLE-HEIGHT PINS FOR CURB
 *FILTER HEIGHT = 2 INCHES
 *UV RESISTANT HDPE OUTER JACKET
 *UNDER-SEAL GASKET TO PREVENT UNDERFLOW
 *CIG HEIGHT = 8 INCHES
 *CIG LENGTH = 6.25 FEET

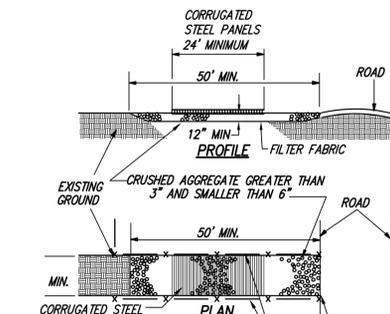


INSTALLATION DETAILS
 *PLACEMENT: PLACE CIG TIGHTLY AGAINST DRAIN OPENING WITH METAL VARIABLE HEIGHT PINS AT TOP.
 *CHANGE HEIGHT FOR HIGH OPENINGS: EXTEND VARIABLE HEIGHT PINS UPWARD IF NECESSARY.
 *INTERCONNECTING FOR LONG CURB OPENINGS: OVERLAP SEGMENTS SO THE BOTTOM GASKET PROVIDES A CONTINUOUS SEAL (ONE SIDE HAS A CUT-OUT). EACH 6.25" SEGMENT FITS A 5 FOOT OPENING OR SMALLER. USE 2 SEGMENTS FOR 8 TO 10 FEET. USE 3 SEGMENTS FOR 15 FEET, ETC.
 *ANCHORING: INSTALL GRAVEL BAGS AT EACH END AND AT OVERLAPS. USE 1/3 FULL GRAVEL BAGS FOR LOW PROFILE AND BEST TRAFFIC AVOIDANCE. USE CLEAN GRAVEL AT DRAIN INLETS - NOT SAND. SELECT BAGS WITH LONG TERM UV EXPOSURE AND TOUGHNESS FOR RESISTANCE TO TRAFFIC. WHERE NOT POSSIBLE TO INSTALL GRAVEL BAGS DUE TO TRAFFIC PROXIMITY, IT IS ACCEPTABLE TO ANCHOR WITH CONCRETE ANCHORS, OR MASONRY NAILS - ONE AT EACH END. ANCHOR CURB INLET GUARD SO THAT WATER CANNOT FLOW BEHIND IT. USE 1" WASHERS.
 *IMPORTANT: ALL INFORMATION, INCLUDING ILLUSTRATIONS, IS BELIEVED TO BE RELIABLE. USERS, HOWEVER, SHOULD INDEPENDENTLY EVALUATE THE SUITABILITY OF EACH PROJECT FOR THEIR APPLICATION. ERTec ENVIRONMENTAL SYSTEMS MAKES NO WARRANTIES AS TO THE ACCURACY OF COMPLETENESS OF THE INFORMATION, AND DISCLAIMS ANY LIABILITY REGARDING ITS USE. ERTec ENVIRONMENTAL SYSTEMS'S ONLY OBLIGATIONS ARE THOSE IN THE ERTec ENVIRONMENTAL SYSTEMS STANDARD TERMS AND CONDITIONS OF SALE FOR THIS PRODUCT, AND IN NO CASE WILL ERTec ENVIRONMENTAL SYSTEMS OR ITS DISTRIBUTORS BE LIABLE FOR ANY INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING FROM THE SALE, RESALE, USE OR MISUSE OF THE PRODUCT. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. IN ADDITION, ERTec ENVIRONMENTAL SYSTEMS RESERVES THE RIGHT TO MAKE CHANGES, WITHOUT NOTIFICATION TO BUYER, TO PROCESSING OR MATERIALS THAT DO NOT AFFECT COMPLIANCE WITH ANY APPLICABLE SPECIFICATION.

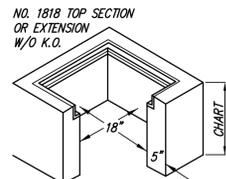
ERTec ENVIRONMENTAL SYSTEMS
 1150 BALLENA BLVD. P. 866-521-0724
 SUITE 250 F. 510-521-3972
 ALAMEDA, CA 94501



DETAIL: ERTec CURB INLET GUARD (PVT) 46
NOT TO SCALE



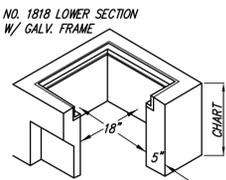
INSTALL TEMPORARY CHAINLINK FENCE OR ALTERNATE TO DIRECT CONSTRUCTION TRAFFIC THROUGH THE STABILIZED CONSTRUCTION ENTRANCE
 PROVIDE APPROPRIATE TRANSITION BETWEEN STABILIZED CONSTRUCTION ENTRANCE AND ROAD
STABILIZED CONSTRUCTION ENTRANCE (PVT) 45
 NOT TO SCALE



NO. 1818 STEEL PARKWAY OR TRAFFIC GRATE MAX. 1/2" SPACING
 WT. 33# PARKWAY
 WT. 60# TRAF.



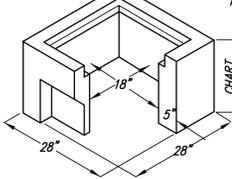
NO. 1818 STEEL PARKWAY OR TRAFFIC SOLID COVER
 WT. 51# PARKWAY
 WT. 70# TRAF.



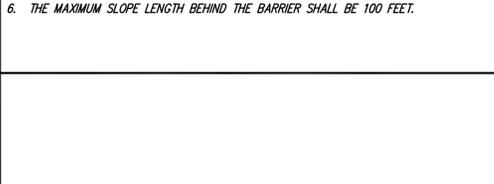
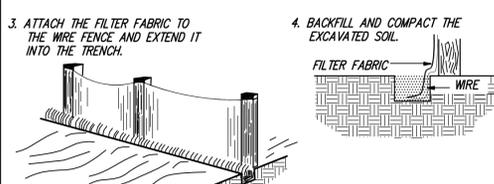
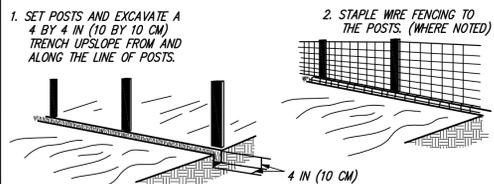
NO. 1818 LOWER SECTION W/O GALV. FRAME

NO. 1818 TOP SECTION	HT.	LBS.	AVAILABLE
1818 T6	6"	230	W/O K.O.
1818 T12	12"	460	W/O K.O.

NO. 1818 LOWER SECTION	HT.	LBS.	AVAILABLE
1818 L18	18"	612	W/2 10"x14 K.O.
1818 L24	24"	852	W/2 10"x14 K.O.

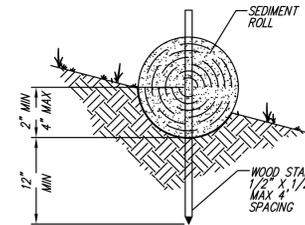


18" X 18" BROOKS BOX CATCH BASIN 3 OR EQUIVALENT (PVT)
NOT TO SCALE

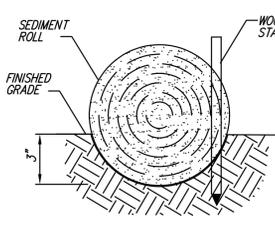


SILT FENCE NOTES:
 1. POSTS FOR SILT FENCES SHALL BE EITHER 4-INCH-DIAMETER WOOD OR EQUIVALENT WITH A MINIMUM LENGTH OF 5 FEET. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 12 INCHES). 2" DIA. WOOD OR EQUIVALENT MAY BE USED PROVIDED POST SPACING DOES NOT EXCEED 4'.
 2. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 4 INCHES DEEP ALONG THE LINE OF POSTS.
 3. THE FILTER FABRIC SHALL BE STAPLED OR WREDED TO THE POST, AND 8 INCHES OF THE FABRIC SHALL EXTEND INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
 4. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE TOE OF THE FILTER FABRIC.
 5. THE MAXIMUM DRAINAGE AREA BEHIND THE SILT FENCE SHALL BE 1.0 ACRE.
 6. THE MAXIMUM SLOPE LENGTH BEHIND THE BARRIER SHALL BE 100 FEET.

SILT FENCE DETAIL (PVT) 49
NOT TO SCALE

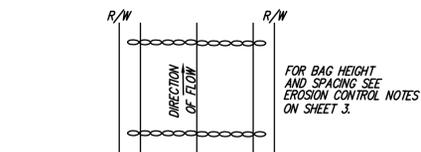


ENTRENCHMENT DETAIL IN SLOPE AREA



ENTRENCHMENT DETAIL IN FLAT AREA

FIBER ROLL (PVT) 47 51 53
NOT TO SCALE

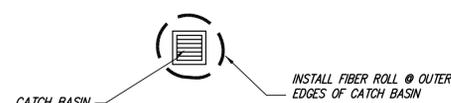


GRAVEL/GRAVEL BAGGING ON STREETS



BAG EMBEDDING DETAIL

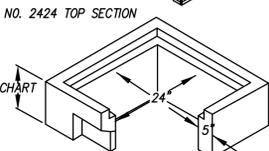
GRAVELBAG DETAILS (PVT)
NOT TO SCALE



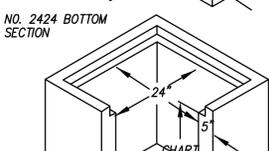
CATCH BASIN PROTECTION DETAIL (PVT) 50
NOT TO SCALE

NO. 2424 STEEL TRAFFIC GRATE MAX. 1/2" SPACING
 WT. 10.3# TRAF.

NO. 2424 STEEL TRAFFIC COVER
 WT. 114#

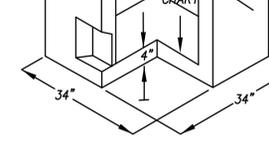


TOP SECTION	HT.	LBS.	AVAILABLE
2424 T6	6"	270	NO K.O.
2424 T12	12"	495	(4) 6" X 11"
2424 T18	18"	745	(4) 9" X 12"
2424 T24	24"	870	(4) 14" X 14"

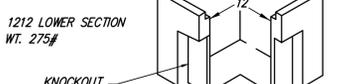
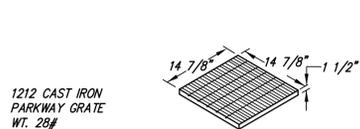


LOWER SECTION	HT.	LBS.	AVAILABLE
2424 L12	12"	495	(4) 6" X 11"
2424 L18	18"	745	(4) 9" X 12"
2424 L24	24"	870	(4) 14" X 14"

BOTTOM SECTION	HT.	LBS.	AVAILABLE
2424 B30	30"	1595	(4) 18" X 18"
2424 B36	36"	1905	(4) 18" X 18"

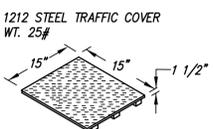


24"x24" BROOKS BOX CATCH BASIN OR EQUIVALENT (PVT) 6
NOT TO SCALE



12"x12" BROOKS BOX CATCH BASIN OR EQUIVALENT (PVT) 7
NOT TO SCALE

CAUTION! THE LOCATION OF THE EXISTING UTILITIES ON THESE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.



TOP SECTION	HT.	LBS.	AVAILABLE
1212 T6	6"	170	NO K.O.
1212 T12	12"	275	(4) 5" X 10"
1212 T18	18"	270	(4) 8" X 12"
1212 T24	24"	430	(4) 8" X 15"
1212 T28	28"	380	(4) 8" X 22"

EXTENSION SECTION	HT.	LBS.	AVAILABLE
1212 E6	6"	170	NO K.O.

LOWER SECTION	HT.	LBS.	AVAILABLE
1212 L12	12"	275	(4) 5" X 10"
1212 L18	18"	270	(4) 8" X 12"
1212 L24	24"	430	(4) 8" X 15"
1212 L28	28"	380	(4) 8" X 22"

1212 LOWER SECTION WT. 275#

1212 CAST IRON PARKWAY GRATE WT. 28#

1212 STEEL TRAFFIC COVER WT. 25#

1212 TOP SECTION WT. 275#

1212 LOWER SECTION WT. 275#

1212 CAST IRON PARKWAY GRATE WT. 28#

1212 STEEL TRAFFIC COVER WT. 25#

1212 TOP SECTION WT. 275#

1212 LOWER SECTION WT. 275#

1212 CAST IRON PARKWAY GRATE WT. 28#

1212 STEEL TRAFFIC COVER WT. 25#

1212 TOP SECTION WT. 275#

1212 LOWER SECTION WT. 275#

1212 CAST IRON PARKWAY GRATE WT. 28#

1212 STEEL TRAFFIC COVER WT. 25#

1212 TOP SECTION WT. 275#

1212 LOWER SECTION WT. 275#

1212 CAST IRON PARKWAY GRATE WT. 28#

1212 STEEL TRAFFIC COVER WT. 25#

1212 TOP SECTION WT. 275#

1212 LOWER SECTION WT. 275#

1212 CAST IRON PARKWAY GRATE WT. 28#

1212 STEEL TRAFFIC COVER WT. 25#

1212 TOP SECTION WT. 275#

1212 LOWER SECTION WT. 275#

1212 CAST IRON PARKWAY GRATE WT. 28#

1212 STEEL TRAFFIC COVER WT. 25#

1212 TOP SECTION WT. 275#

1212 LOWER SECTION WT. 275#

1212 CAST IRON PARKWAY GRATE WT. 28#

1212 STEEL TRAFFIC COVER WT. 25#

1212 TOP SECTION WT. 275#

1212 LOWER SECTION WT. 275#

1212 CAST IRON PARKWAY GRATE WT. 28#

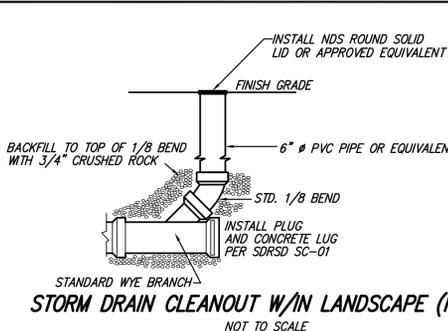
1212 STEEL TRAFFIC COVER WT. 25#

1212 TOP SECTION WT. 275#

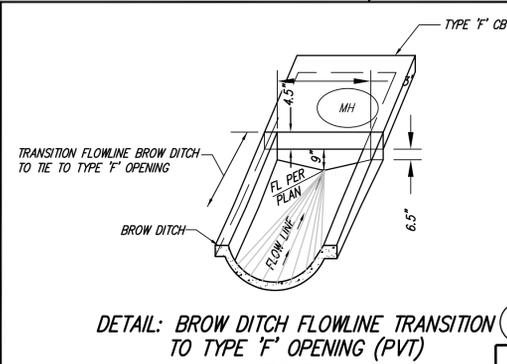
1212 LOWER SECTION WT. 275#

1212 CAST IRON PARKWAY GRATE WT. 28#

1212 STEEL TRAFFIC COVER WT. 25#



STORM DRAIN CLEANOUT W/IN LANDSCAPE (PVT) 88
NOT TO SCALE



DETAIL: BROW DITCH FLOWLINE TRANSITION TO TYPE 'F' OPENING (PVT) 85
NOT TO SCALE

COUNTY APPROVED CHANGES

NO.	DESCRIPTION:	APPROVED BY:	DATE:

RECORD PLAN

BY: _____ DATE: _____
 NAME _____
 R.C.E. _____
 EXPIRES: _____

BENCH MARK

DESCRIPTION: FOUND 2" BRASS CAP MARKED "VCR-92"
 LOCATION: STORM DRAIN CURB INLET AT THE NORTHWEST CORNER OF OLD ROAD AND VALLEY CENTER ROAD
 RECORD FROM: COUNTY OF SAN DIEGO
 ELEVATION: 1,314.45 DATUM: M.S.L.

PRIVATE CONTRACT

SHEET 5	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	32 SHEETS
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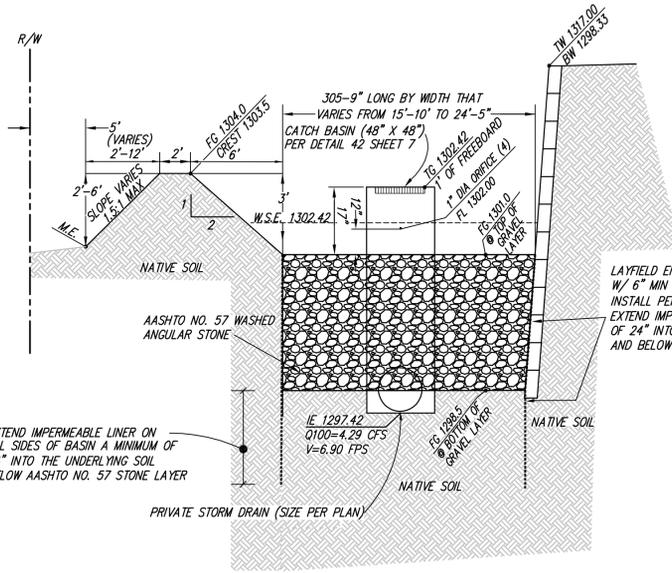
NOTES AND DETAILS FOR:
SOUTH VILLAGE STORAGE

CALIFORNIA COORDINATE INDEX	380-1750
APPROVED FOR WILLIAM P. MORGAN, COUNTY ENGINEER	ENGINEER OF WORK DATE: BRENT C. MOORE, R.C.E. 59121
BY: _____	PDS2024-LDGRMJ-30505 GRADING PERMIT NO.
DATE: _____	

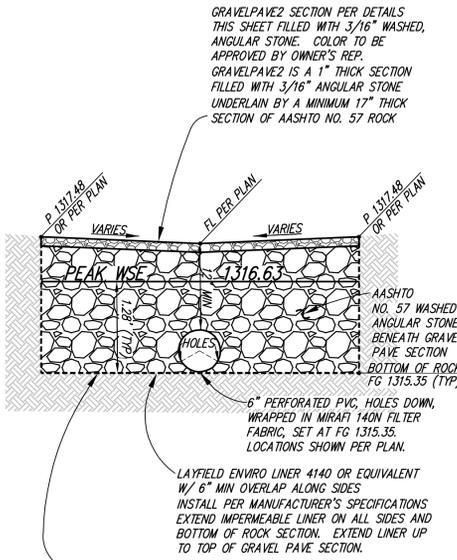


43950 MARGARITA ROAD, SUITE 'C'
 TEMECULA, CA 92592
 PH: (951) 587-2020
 FAX: (951) 587-2626

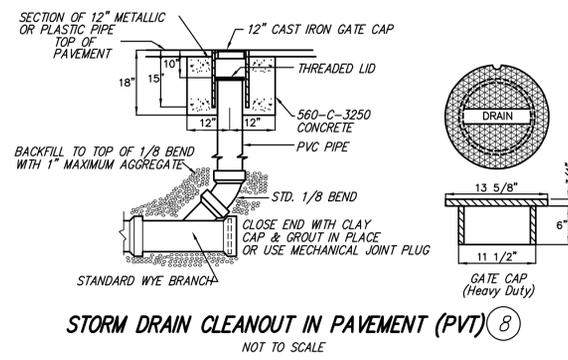




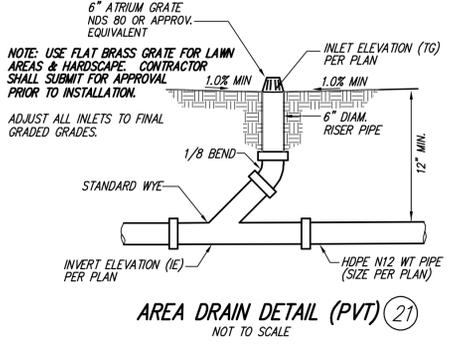
DETAIL: INFILTRATION BASIN INF1 - SECTION 'c' - 'c' (PVT) 32
NOT TO SCALE



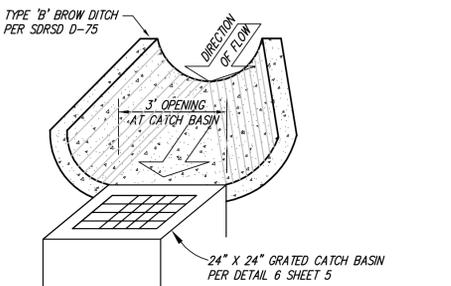
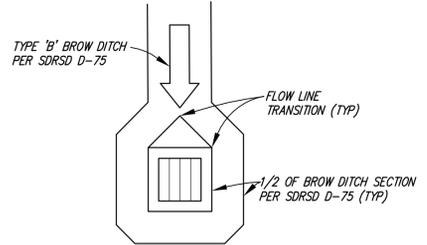
DETAIL: GRAVELPAVE2 DETENTION AREA (PVT) 10
NOT TO SCALE



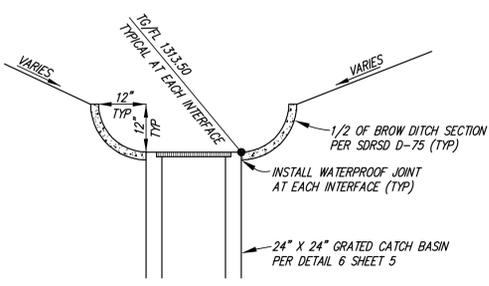
STORM DRAIN CLEANOUT IN PAVEMENT (PVT) 8
NOT TO SCALE



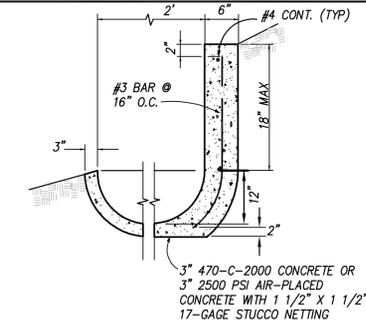
AREA DRAIN DETAIL (PVT) 21
NOT TO SCALE



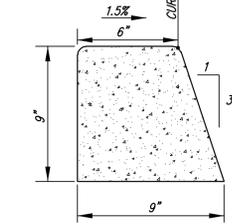
TYPE 'B' BROW DITCH AT FACE OF RETAINING WALL (PVT) 12
PER SDRSD D-75
SCALE: 1" = 10"



DETAIL: BROW DITCH TRANSITION AT CATCH BASIN (PVT) 20
NOT TO SCALE



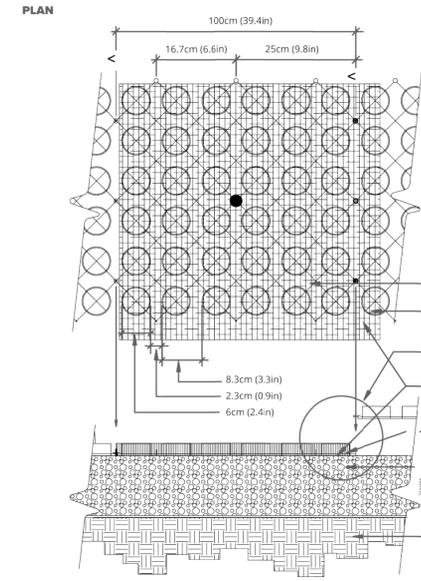
WALL EXTENSION DETAIL FOR SDRSD D-75 (PVT) 12, 19
NOT TO SCALE



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GRAVELPAVE2 DETAIL

Choose This Product For Reinforcing Gravel Wearing Surfaces



GRAVELPAVE2
BY INVISIBLE STRUCTURES™

SPECIFICATIONS
UNITS
Unit Size - 1m X 1m X 2.5cm (40in X 40in X 1in)
Available in 2 standard roll sizes:
1010 Roll - 3.3 ft x 32.8 ft - 108 sq. ft.
2020 Roll - 6.6 ft x 65.6 ft - 430 sq. ft.
Unit Weight - 538 g (19 oz) or 2.2 kg (4.8 lbs)
Strength - 1121 kg/sq.m (15340 PSI)
Colors - Black (standard), Granite, Grey, Tan, Terra Cotta
Resin - 100% Post-Consumer recycled HDPE
FABRIC
Weight - 1.4 to 1.7 oz/sq.y (47-58 gm/sq.m)
Tensile - 120 lb/sq.ft (585 kg/sq.m)
Flow - 275 gal/min/sq.ft (11,200 l/min/sq.m)

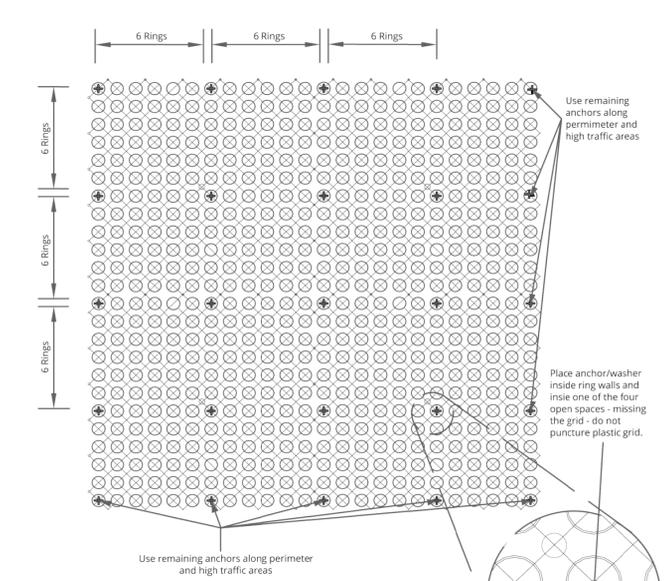
- Gravelpave2
- Adjacent Gravelpave2
- See enlargement below
- 8.3cm (3.3in)
- 2.3cm (0.9in)
- 6cm (2.4in)
- Filter fabric attached to bottom of Gravelpave2
- Gravelpave2 filled with 3/16in to 3/8in angular gravel, uniform size, washed
- Compacted sandy gravel road base - 95% modified proctor density
- See full technical specifications for composition
- Compacted subgrade
- Top of gravel
- Gravelpave2 attach with snap fit fasteners
- Filter fabric - Overlapping joints
- Fill ring section with 3/16in to 3/8in angular gravel, uniform size, washed
- Compacted sandy gravel base course

InvisibleStructures.com 303-233-8383



GRAVELPAVE2 PINNING DETAILS

Choose This Product On How to Pin Gravelpave2



- Place one anchor (minimum) ever six rings
- Place anchor inside rings, in one of the four open spaces (do not puncture grid).
- Place remaining anchors around perimeter of site and in high traffic areas.

InvisibleStructures.com 303-233-8383



COUNTY APPROVED CHANGES

NO.	DESCRIPTION:	APPROVED BY:	DATE:

RECORD PLAN

BY: _____ DATE: _____
NAME _____
R.C.E. _____
EXPIRES: _____



43950 MARGARITA ROAD, SUITE 'C'
TEMECULA, CA 92592
PH: (951) 587-2020
FAX: (951) 587-2626

BENCH MARK

DESCRIPTION: FOUND 2" BRASS CAP MARKED "VCR-92"
LOCATION: STORM DRAIN CURB INLET AT THE NORTHWEST CORNER OF OLD ROAD AND VALLEY CENTER ROAD
RECORD FROM: COUNTY OF SAN DIEGO
ELEVATION: 1314.45 DATUM: M.S.L.

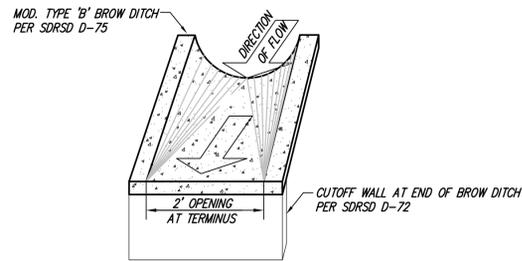
PRIVATE CONTRACT

SHEET 6	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	32 SHEETS
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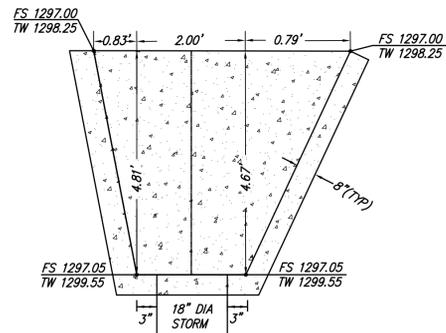
DETAILS FOR:
SOUTH VILLAGE STORAGE
CALIFORNIA COORDINATE INDEX 380-1750
APPROVED FOR WILLIAM P. MORGAN, COUNTY ENGINEER
ENGINEER OF WORK BRENT C. MOORE, R.C.E. 59121
DATE: _____
BY: _____
DATE: _____
PDS2024-LDGRMJ-30505 GRADING PERMIT NO:



ENGINEERS NAME: ALIDADE ENGINEERING
PHONE NO. (951) 587-2020

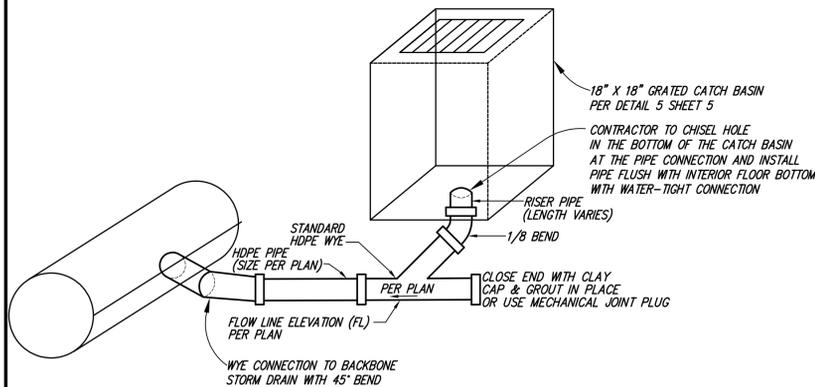


MODIFIED BROW DITCH DEPTH TRANSITION PER SDRSD D-75 (PVT) (35)
NOT TO SCALE

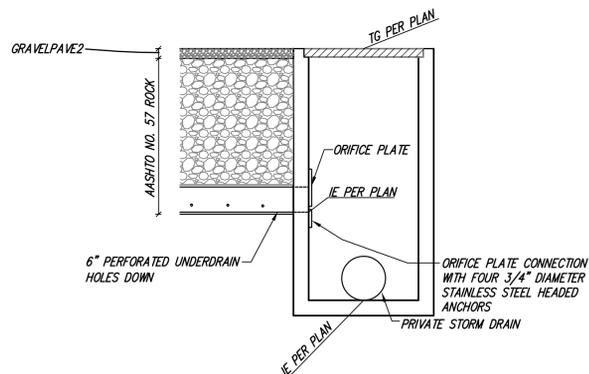


DETAIL: MODIFIED WING TYPE HEADWALL PER SDRSD D-34 (PVT) (33)
@ BIOFILTRATION BASIN
NOT TO SCALE

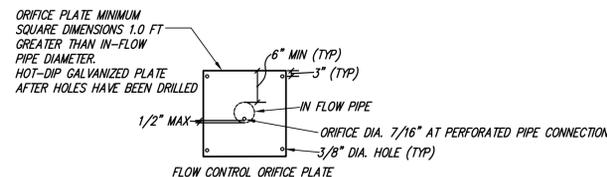
SEE SDRSD D-34 FOR STEEL AND CONCRETE REQUIREMENTS AND CUTOFF WALL AT EDGE OF HEADWALL



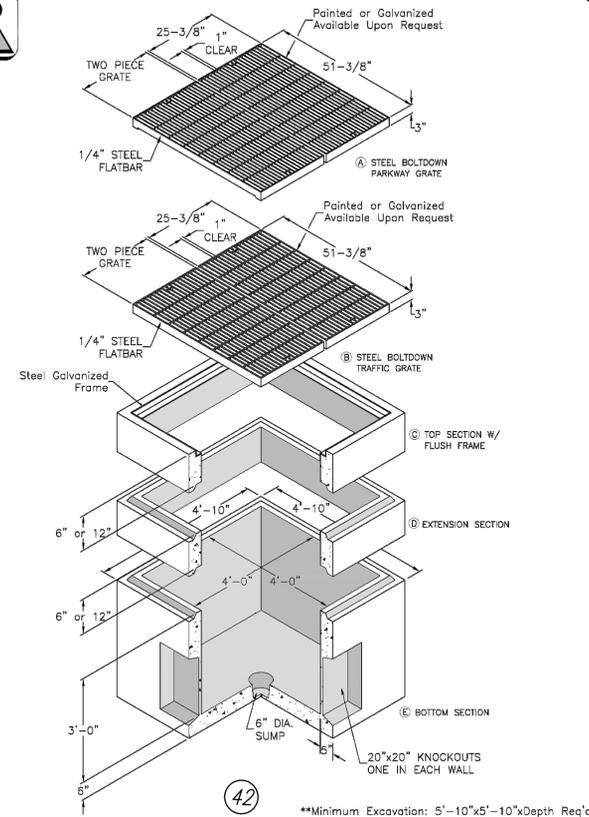
DETAIL: MODIFIED CATCH BASIN WITH BOTTOM OUTLET (PVT) (38)
CONNECTION TO BACK BONE STORM DRAIN
NOT TO SCALE



DETAIL: FLOW CONTROL ORIFICES AT 18" X 18" CATCH BASINS (PVT) (5)
NOT TO SCALE



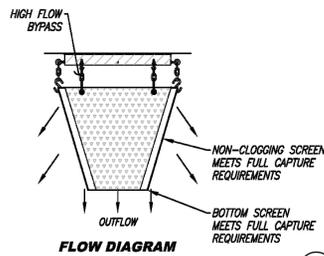
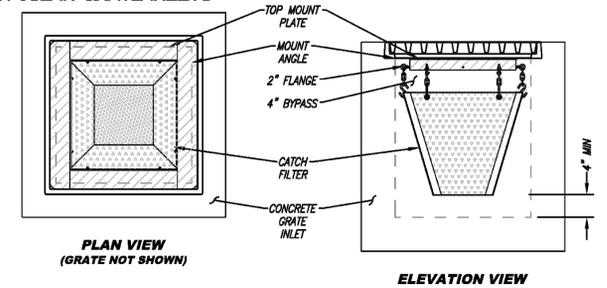
DETAIL: FLOW CONTROL ORIFICE PLATE (PVT)
NOT TO SCALE



4'-0" X 4'-0" CLOSED BOTTOM CATCH BASIN W/ STEEL TRAFFIC GRATE OR STEEL PARKWAY GRATE
NOTES:
1. Traffic Grates Are Designed For ASHTO H-20 Wheel Loading, But Are Not Intended For Direct Traffic Installations.
2. Parkway Grates Are Designed For A Live Load of 300 p.s.f.

BIO CLEAN FULL CAPTURE FILTER

FOR USE IN GRATE INLETS



MODEL #	TREATMENT FLOW RATE (CFS)	BYPASS FLOW (CFS)	SOLIDS STORAGE CAPACITY (CF)
80 BIO-GRATE-FULL 12-12-12	1.04	1.24	0.15
78 BIO-GRATE-FULL 18-18-12	1.78	2.79	0.33
79 BIO-GRATE-FULL 24-24-12	2.70	4.96	0.59
BIO-GRATE-FULL 24-24-12	3.70	6.35	0.88
BIO-GRATE-FULL 24-24-24	7.31	4.96	1.22
BIO-GRATE-FULL 24-40-24	9.53	6.35	1.82
BIO-GRATE-FULL 36-36-24	11.93	7.74	2.73

INSTALLATION NOTES:

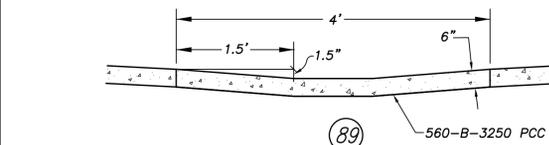
- ALL HARDWARE, FLANGE, FRAME, SCREENS SHALL BE STAINLESS STEEL.
- OPTIONAL HYDROCARBON BOOM SHALL BE 2" DIAMETER.
- SEE PERFORMANCE REPORTS IN MANUFACTURER'S SPECIFICATIONS.
- OTHER STANDARD AND CUSTOM MODEL SIZES AVAILABLE - CONTACT BIO CLEAN FOR MORE INFORMATION.
- BASED ON 37% OPEN AREA.
- CONSIDERS A SAFETY FACTOR OF 2.0.
- CONSIDERS A LOCAL DEPRESSION PONDING DEPTH OF 6 INCHES.
- STORAGE CAPACITY BASED ON THE BASKET HALF FULL.
- CONCRETE STRUCTURES SOLD SEPARATELY.

NOT TO SCALE

PROPRIETARY AND CONFIDENTIAL:
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE SOLE PROPERTY OF CONTECH AND ITS COMPANIES. THIS DOCUMENT, IN WHOLE OR IN PART, SHOULD NOT BE USED, REPRODUCED OR MODIFIED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF CONTECH.

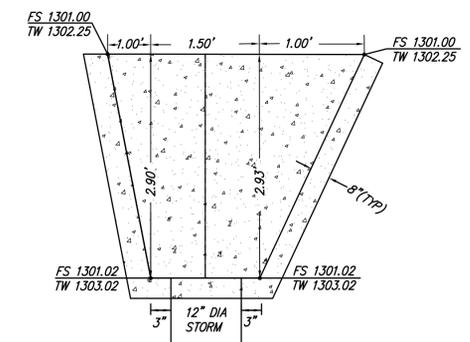
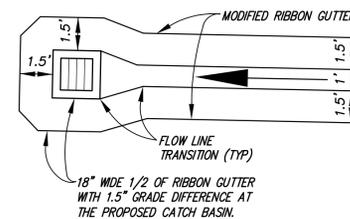


GRATE INLET FILTER FULL CAPTURE STANDARD DETAIL



89 RIBBON GUTTER W/ TRENCH DRAIN DETAIL IN CONCRETE PAVEMENT (PVT)
NOT TO SCALE

SECTION SHOWN IS PRELIMINARY ONLY. CONTRACTOR SHALL COORDINATE WITH THE SOILS ENGINEER TO DETERMINE FINAL PAVEMENT SECTION DURING CONSTRUCTION. OWNER SHALL RETAIN A SOILS ENGINEER TO PERFORM THE REQUIRED SOIL TESTING DURING CONSTRUCTION ACTIVITIES AND AS-GRADED REPORTS.



DETAIL: MODIFIED WING TYPE HEADWALL PER SDRSD D-34 (PVT) (87)
@ BIOFILTRATION BASIN
NOT TO SCALE

SEE SDRSD D-34 FOR STEEL AND CONCRETE REQUIREMENTS AND CUTOFF WALL AT EDGE OF HEADWALL



COUNTY APPROVED CHANGES

NO.	DESCRIPTION:	APPROVED BY:	DATE:

RECORD PLAN

BY: _____ DATE: _____
NAME _____

R.C.E. _____

EXPIRES: _____



43950 MARGARITA ROAD, SUITE 'C'
TEMECULA, CA 92592
PH: (951) 587-2020
FAX: (951) 587-2626

BENCH MARK

DESCRIPTION: FOUND 2" BRASS CAP MARKED "VCR-92"
LOCATION: STORM DRAIN CURB INLET AT THE NORTHWEST CORNER OF OLD ROAD AND VALLEY CENTER ROAD
RECORD FROM: COUNTY OF SAN DIEGO
ELEVATION: 1314.45 DATUM: M.S.L.

PRIVATE CONTRACT

SHEET 7	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	32 SHEETS
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DETAILS FOR:
SOUTH VILLAGE STORAGE

CALIFORNIA COORDINATE INDEX 380-1750

APPROVED FOR WILLIAM P. MORGAN, COUNTY ENGINEER

ENGINEER OF WORK: BRENT C. MOORE, R.C.E. 59121

DATE: _____

BY: _____

DATE: _____

PDS2024-LDGRMJ-30505 GRADING PERMIT NO.

STORM DRAIN DATA (PRIVATE)					
NO.	DELTA OR BRG.	RADIUS	LENGTH	REMARKS	SLOPE
9	N 30°31'04" W	55.91'	6"	HDPE N-12 W.T.*	0.98%
10	N 15°32'12" E	28.39'	6"	HDPE N-12 W.T.*	6.87%
11	N 79°07'42" E	70.58'	6"	HDPE N-12 W.T.*	0.92%
12	N 55°52'18" W	31.38'	6"	HDPE N-12 W.T.*	9.69%
13	N 41°35'05" W	70.10'	8"	HDPE N-12 W.T.*	0.71%
14	N 60°32'07" E	40.23'	12"	HDPE N-12 W.T.*	1.00%
15	N 29°22'38" W	92.25'	6"	HDPE N-12 W.T.*	2.60%
16	N 20°49'07" E	81.06'	12"	HDPE N-12 W.T.*	1.00%
17	N 69°10'53" W	6.90'	6"	HDPE N-12 W.T.*	14.35%
43	N 02°29'02" E	50.11'	6"	HDPE N-12 W.T.*	2.93%
44	N 42°30'58" W	7.50'	6"	HDPE N-12 W.T.*	8.40%

*SEE HDPE NOTES THIS SHEET FOR INSTALLATION REQUIREMENTS

STORM DRAIN DATA (PRIVATE)					
NO.	DELTA OR BRG.	RADIUS	LENGTH	REMARKS	SLOPE
49	N 30°31'04" W	14.85'	6"	PERFORATED PVC	0.00%
50	N 30°31'01" W	75.79'	6"	PERFORATED PVC	0.00%
51	N 60°37'11" E	18.72'	6"	PERFORATED PVC	0.00%
52	N 41°35'05" W	70.10'	6"	PERFORATED PVC	0.00%
53	N 35°23'57" W	30.00'	6"	PERFORATED PVC	0.00%
54	N 60°37'11" E	24.99'	6"	PERFORATED PVC	0.00%
55	N 24°03'49" E	64.18'	6"	PERFORATED PVC	0.00%
56	N 24°01'15" E	35.84'	6"	PERFORATED PVC	0.00%
57	N 29°22'38" W	80.00'	6"	PERFORATED PVC	0.00%
69	N 44°40'30" E	59.16'	8"	HDPE N-12 W.T.*	7.52%

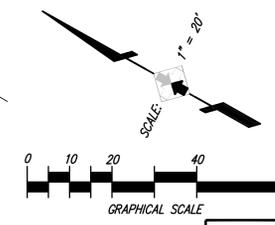
HDPE NOTES:
 1. INSTALL HDPE STORM DRAIN PER COUNTY OF SAN DIEGO REGIONAL STANDARD DRAWING D-60 WITH FILTER FABRIC AROUND THE PIPE ZONE PER COUNTY OF SAN DIEGO HYDRAULIC DESIGN MANUAL (APPENDIX B.5.2).
 2. SEE "POLYPROPYLENE STORM DRAIN PIPE (PPSD) NOTES" ON SHEET 2 FOR ADDITIONAL INSTALLATION REQUIREMENTS.

- CONSTRUCTION NOTES**
- LIMITS OF GRADING.
 - CONSTRUCT CURB TRANSITION FROM 6" CURB HEIGHT TO 0" CURB HEIGHT. ELEVATIONS SHOWN PER PLAN.
 - INSTALL 18" X 18" BROOKS BOX CATCH BASIN OR EQUIVALENT PER DETAIL SHEET 5 WITH A TRAFFIC RATED GRATE WITH 7/16" DIAMETER FLOW CONTROL ORIFICES AT THE PERFORATED DRAIN CONNECTIONS PER DETAIL SHEET 7. ELEVATIONS SHOWN PER PLAN.
 - INSTALL 24" X 24" BROOKS BOX CATCH BASIN OR EQUIVALENT PER DETAIL SHEET 5. ELEVATIONS SHOWN PER PLAN.
 - INSTALL STORM DRAIN CLEANOUT PER DETAIL SHEET 6. ELEVATIONS SHOWN PER PLAN.
 - INSTALL AN UNGLUED PVC SCREW CAP WITH A 7/16" DIAMETER FLOW CONTROL ORIFICE DRILLED INTO THE PVC SCREW CAP AT THE FLOW LINE OF THE PERFORATED UNDERDRAIN PER DETAIL SHEET 7.
 - INSTALL GRAVELPAVE2 OVERTOP UNDERLYING NO. 57 STONE ROCK SECTION WITH IMPERMEABLE LINER PER DETAILS SHEET 6.
 - CONSTRUCT MODIFIED TYPE 'B' PCC BROW DITCH PER SDRSD D-75. DEPTH OF DITCH WILL VARY FROM 6" TO 12". ELEVATIONS AND DEPTH SHOWN PER PLAN.
 - CONSTRUCT 4" THICK CONCRETE SIDEWALK PER SDRSD G-7, G-9 AND G-10. PER PROJECT GEOTECHNICAL INVESTIGATION, SIDEWALK SHOULD BE REINFORCED WITH EITHER NO. 3 BARS AT 18 INCHES ON CENTER BOTH WAYS OR 6X6-W2.9/W2.9 (6X6-6/6) WELDED WIRE MESH. ELEVATIONS SHOWN PER PLAN.
 - CONSTRUCT ZERO FACE CURB PER SDRSD G-1 AND PER DETAIL SHEET 6. ELEVATIONS SHOWN PER PLAN.
 - PROPOSED SITE LIGHT PER ARCHITECTURAL BUILDING PLANS (NOT A PART).
 - CONSTRUCT TYPE 'B' PCC BROW DITCH PER SDRSD D-75. ELEVATIONS SHOWN PER PLAN.
 - CONSTRUCT MODIFIED TYPE 'B' BROW DITCH PER SDRSD D-75 AND DETAIL SHEET 6 AT CATCH BASIN. ELEVATIONS SHOWN PER PLAN AND DETAIL.
 - INSTALL LANDSCAPE AREA DRAIN PER DETAIL SHEET 6. ELEVATIONS SHOWN PER PLAN.
 - EXISTING POWER POLE TO BE REMOVED BY OTHERS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - CONSTRUCT TYPE 'A-4' CLEANOUT PER SDRSD D-9. ELEVATIONS SHOWN PER PLAN.
 - CONTRACTOR TO CONSTRUCT VARIABLE HEIGHT STEM WALL WHERE ADJACENT GRADE IS GREATER THAN OR EQUAL TO BUILDING FINISH FLOOR ELEVATION (NOT A PART).
 - SAW CUT
 - GRADE AREA TO DRAIN TO LANDSCAPE AREA DRAIN. ELEVATIONS SHOWN PER PLAN.
 - CONSTRUCT MODIFIED TYPE 'G' CURB TO BE DEEPENED WITH A MINIMUM 12" EMBEDMENT BELOW THE ADJACENT SIDEWALK GRADE. ELEVATIONS SHOWN PER PLAN.
 - CONSTRUCT TRASH ENCLOSURE PER ARCHITECTURAL BUILDING PLANS (NOT A PART).
 - GRADE PLANTER AREA TO DRAIN TO PARKING LOT OR ADJACENT ACCESS ROAD.
 - INSTALL CONCRETE WHEEL STOP PER DETAIL SHEET 5 AND PER SDRSD M-27A.
 - INSTALL LANDSCAPE AREA DRAIN IN HARDSCAPE PER DETAIL SHEET 6. TG = 1316.82, IE = 1312.82.
 - INSTALL LANDSCAPE AREA DRAIN IN LANDSCAPING PER DETAIL SHEET 6. TG 1317.00, IE 1313.00.
 - INSTALL 18-18-12 FULL CAPTURE GRATE INLET FILTER PER DETAIL SHEET 7 OR EQUIVALENT.
 - INSTALL 24-24-12 FULL CAPTURE GRATE INLET FILTER PER DETAIL SHEET 7 OR EQUIVALENT.
 - INSTALL 18" X 18" CATCH BASIN PER DETAIL 5 ON SHEET 5 WITH A TRAFFIC RATED GRATE. ELEVATIONS SHOWN PER PLAN.
 - CONSTRUCT MASONRY RETAINING WALL WITH PEDESTRIAN RATED SAFETY RAILING. SEE RETAINING WALL PLANS (SHEET 28 THRU 32) FOR CONSTRUCTION DETAILS, SPECS AND WALL ELEVATIONS.
 - SAW CUT, REMOVE AND PROPERLY DISPOSE OF OFFSITE PORTION OF EXISTING BROW DITCH AND CONSTRUCT A TYPE 'B' BROW DITCH TRANSITION FROM THE END OF THE EXISTING BROW DITCH TO A TYPE 'F' CATCH BASIN OPENING PER DETAIL SHEET 5. ELEVATIONS SHOWN PER PLAN.
 - CONSTRUCT TYPE 'F' CATCH BASIN AT BACK OF EXISTING AND PROPOSED RETAINING WALLS PER SDRSD D-7, D-11A AND D-11B. ELEVATIONS SHOWN PER PLAN.

MATCH LINE - SEE SHEET 8



ALL EXISTING IMPROVEMENTS, SIGNAGE, LANDSCAPING AND IRRIGATION WITHIN LIMITS OF WORK TO BE REMOVED AND PROPERLY DISPOSED OF OFFSITE UNLESS NOTED OTHERWISE. SEE LANDSCAPING AND IRRIGATION PLANS FOR ADDITIONAL INFORMATION.



Alidade ENGINEERING
 43950 MARGARITA ROAD, SUITE 'C'
 TEMECULA, CA 92592
 PH: (951) 587-2020
 FAX: (951) 587-2626

REGISTERED PROFESSIONAL ENGINEER
 BRENT C. MOORE
 No. 59121
 Exp. 6-30-27
 CIVIL
 STATE OF CALIFORNIA

SEE SHEET 2 FOR EASEMENT IDENTIFICATION NOTES. (X)

CAUTION! THE LOCATION OF THE EXISTING UTILITIES ON THESE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

SEE SHEETS 16-17 FOR ONSITE WATER AND SEWER FACILITIES

SEE SHEETS 14-15 FOR PAVEMENT STRUCTURAL SECTIONS

SEE ARCHITECTURAL PLANS FOR BUILDING DETAILS PER BUILDING PERMIT NO. PDS2025-CMASPC-

MATCHLINE - SEE SHEET 11

SEE LANDSCAPE AND IRRIGATION PLANS FOR ALL LANDSCAPING AND IRRIGATION PER PDS2025-LP-25-

CONTRACTOR TO CONNECT PROPOSED WALL SUBDRAINS TO PROPOSED STORM DRAIN SYSTEM. LOCATION TO BE DETERMINED IN THE FIELD.

RECORD PLAN

BY: _____ DATE: _____
 NAME _____
 R.C.E. _____
 EXPIRES: _____

COUNTY APPROVED CHANGES			
NO.	DESCRIPTION:	APPROVED BY:	DATE:

BENCH MARK	
DESCRIPTION:	FOUND 2" BRASS CAP MARKED "VCR-92"
LOCATION:	STORM DRAIN CURB INLET AT THE NORTHWEST CORNER OF OLD ROAD AND VALLEY CENTER ROAD
RECORD FROM:	COUNTY OF SAN DIEGO
ELEVATION:	1314.45
DATUM:	M.S.L.

PRIVATE CONTRACT

SHEET 9 COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS 32 SHEETS

PRECISE GRADING PLANS FOR:
SOUTH VILLAGE STORAGE

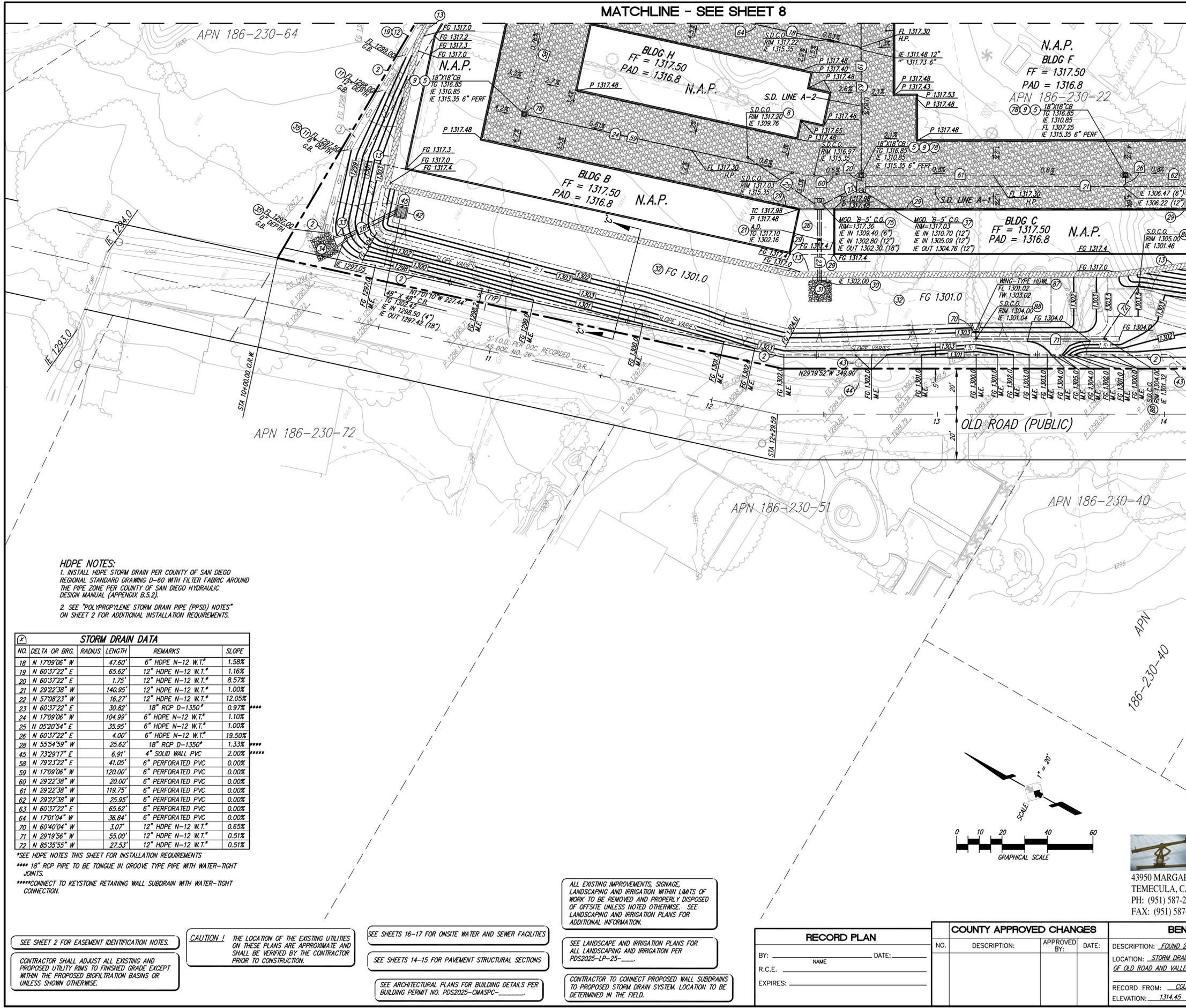
CALIFORNIA COORDINATE INDEX 380-1750

APPROVED FOR WILLIAM P. MORGAN, COUNTY ENGINEER

ENGINEER OF WORK
 BRENT C. MOORE, R.C.E. 59121
 DATE: _____
 PDS2024-LDGRMJ-30505
 GRADING PERMIT NO. _____

ENGINEERS NAME: ALIDADE ENGINEERING
 PHONE NO. (951) 587-2020

MATCHLINE - SEE SHEET 8



CONSTRUCTION NOTES

- 2 LIMITS OF GRADING.
- 5 INSTALL 18" X 18" BROOKS BOX CATCH BASIN OR EQUIVALENT PER DETAIL SHEET 5 WITH A TRAFFIC RATED GRATE WITH 7/16" DIAMETER FLOW CONTROL ORIFICES AT THE PERFORATED DRAIN CONNECTIONS PER DETAIL SHEET 7. ELEVATIONS SHOWN PER PLAN.
- 8 INSTALL STORM DRAIN CLEANOUT PER DETAIL SHEET 6. ELEVATIONS SHOWN PER PLAN.
- 9 INSTALL AN UNGLUED PVC SCREW CAP WITH A 7/16" DIAMETER FLOW CONTROL ORIFICE DRILLED INTO THE PVC SCREW CAP AT THE FLOW LINE OF THE PERFORATED UNDERDRAIN PER DETAIL SHEET 7.
- 10 INSTALL GRAVELPAVE2 OVERTOP UNDERLYING NO. 57 STONE ROCK SECTION WITH IMPERMEABLE LINER PER DETAILS SHEET 6.
- 11 CONSTRUCT MODIFIED TYPE 'B' PCC BROW DITCH PER SDRSD D-75. DEPTH OF DITCH WILL VARY FROM 6" TO 12". ELEVATIONS AND DEPTH SHOWN PER PLAN.
- 12 CONSTRUCT TYPE 'B' PCC BROW DITCH PER SDRSD D-75 AT FACE OF PROPOSED RETAINING WALL PER DETAIL SHEET 6. ELEVATIONS SHOWN PER PLAN. CONSTRUCT 12" MAX EXTENDED WALL AT THE DITCH AS NECESSARY TO MEET EXISTING GRADES. IF EXISTING SITE CONDITIONS DICTATE THAT A WALL EXTENSION OVER 12" IS REQUIRED, THEN CONSTRUCT THE WALL EXTENSION OVER 12" IS REQUIRED, THEN CONSTRUCT THE WALL EXTENSION PER DETAIL SHEET 6.
- 13 CONSTRUCT KEYSTONE TYPE RETAINING WALL WITH SAFETY RAILING. SEE SHEETS 21 THRU 26 FOR RETAINING WALL PLANS PREPARED BY OTHERS.
- 19 CONSTRUCT TYPE 'B' PCC BROW DITCH PER SDRSD D-75. ELEVATIONS SHOWN PER PLAN. CONSTRUCT 12" MAX EXTENDED WALL AT THE DITCH AS NECESSARY TO MEET EXISTING GRADES. IF EXISTING SITE CONDITIONS DICTATE THAT A WALL EXTENSION OVER 12" IS REQUIRED, THEN CONSTRUCT THE WALL EXTENSION PER DETAIL SHEET 6.
- 21 INSTALL LANDSCAPE AREA DRAIN PER DETAIL SHEET 6. ELEVATIONS SHOWN PER PLAN.
- 23 CONSTRUCT TYPE 'A-4' CLEANOUT PER SDRSD D-9. ELEVATION SHOWN PER PLAN.
- 26 GRADE AREA TO DRAIN TO LANDSCAPE AREA DRAIN. ELEVATIONS SHOWN PER PLAN.
- 29 CONTRACTOR TO CONSTRUCT VARIABLE DEPTH DEEPEENED FOOTING IN ORDER TO NOT LOAD THE PROPOSED STORM DRAIN ADJACENT TO THE BUILDING (NOT A PART).
- 30 CONSTRUCT TYPE 'B' STRAIGHT HEADWALL PER SDRSD D-32 ADJACENT TO THE KEYSTONE RETAINING WALL AS SHOWN ON DETAIL 'L' ON SHEET 26. CONTRACTOR TO END 18" STORM DRAIN AT FACE OF HEADWALL.
- 31 INSTALL RIP RAP ENERGY DISSIPATER PER SDRSD D-40, TYPE 2, 10' LONG BY 10' WIDE. INSTALL NO. 2 BACKING RIP RAP 1.1" THICK OVER MIRAFI 140N FILTER FABRIC OR EQUIVALENT. (Q100 = 7.2 CFS, V100 = 6.3 FPS).
- 32 CONSTRUCT INFILTRATION BASIN PER DETAIL(S) SHEET 6. ELEVATIONS SHOWN PER PLAN.
- 33 CONSTRUCT MODIFIED WING-TYPE HEADWALL PER SDRSD D-34 AND DETAIL ON SHEET 7. ELEVATIONS SHOWN PER PLAN AND DETAIL.
- 34 INSTALL RIP RAP ENERGY DISSIPATER PER SDRSD D-40, TYPE 2, 10' LONG BY 10' WIDE. INSTALL NO. 2 BACKING RIP RAP 1.1" THICK OVER MIRAFI 140N FILTER FABRIC OR EQUIVALENT. (Q100 = 5.51 CFS, V100 = 6.7 FPS).
- 35 CONSTRUCT MODIFIED TYPE 'B' PCC BROW DITCH PER SDRSD D-75 AND DETAIL SHEET 7. DEPTH OF DITCH WILL VARY FROM 6" TO 0" AT THE OUTLET. CONSTRUCT CUTOFF WALL AT END OF BROW DITCH PER SDRSD D-72. ELEVATIONS AND DEPTH SHOWN PER PLAN.
- 37 CONSTRUCT EXTENDED DEPTH TYPE 'B-5' CLEANOUT PER SDRSD D-10 AND STRUCTURAL DETAILS SHEET 19. ELEVATIONS SHOWN PER PLAN.
- 38 INSTALL MODIFIED 18" X 18" BROOKS BOX CATCH BASIN OR EQUIVALENT PER DETAIL 5 ON SHEET 5. DUE TO DEPTH OF STORM DRAIN, OUTLET SHALL BE MADE FROM THE BOTTOM OF THE BOX PER DETAIL SHEET 7. ELEVATIONS SHOWN PER PLAN.
- 42 INSTALL 48" X 48" PRECAST GRATED CATCH BASIN PER DETAIL SHEET 7. ELEVATIONS SHOWN PER PLAN.
- 43 EXISTING POWER POLE TO BE PROTECTED IN PLACE.
- 44 EXISTING GUY WIRE TO BE PROTECTED IN PLACE.
- 76 CONSTRUCT EXTENDED DEPTH TYPE 'B-5' CLEANOUT PER SDRSD D-10 AND STRUCTURAL DETAILS SHEET 20. ELEVATIONS SHOWN PER PLAN.
- 78 INSTALL 18-18-12 FULL CAPTURE GRATE INLET FILTER PER DETAIL SHEET 7 OR EQUIVALENT.
- 87 CONSTRUCT MODIFIED WING-TYPE HEADWALL PER SDRSD D-34 AND DETAIL SHEET 7. ELEVATIONS SHOWN PER PLAN AND DETAIL. Q100 = 0.62 CFS, V100 = 2.93 FPS.
- 88 CONSTRUCT STORM DRAIN CLEAN OUT IN LANDSCAPING PER DETAIL SHEET 5. ELEVATIONS SHOWN PER PLAN.

MATCHLINE - SEE SHEET 11

HDPE NOTES:

1. INSTALL HDPE STORM DRAIN PER COUNTY OF SAN DIEGO REGIONAL STANDARD DRAWING D-60 WITH FILTER FABRIC AROUND THE PIPE ZONE PER COUNTY OF SAN DIEGO HYDRAULIC DESIGN MANUAL (APPENDIX B.5.2).
2. SEE "POLYPROPYLENE STORM DRAIN PIPE (PPSD) NOTES" ON SHEET 2 FOR ADDITIONAL INSTALLATION REQUIREMENTS.

NO.	DELTA OR BRG.	RADIUS	LENGTH	REMARKS	SLOPE
18	N 1709'06" W	47.60'	6"	HDPE N-12 W.T.*	1.58%
19	N 6037'22" E	65.62'	12"	HDPE N-12 W.T.*	1.16%
20	N 6037'22" E	1.75'	12"	HDPE N-12 W.T.*	8.57%
21	N 2922'38" W	140.95'	12"	HDPE N-12 W.T.*	1.00%
22	N 5708'23" W	16.27'	12"	HDPE N-12 W.T.*	12.05%
23	N 6037'22" E	30.82'	18"	RCP D-1350*	0.97%
24	N 1709'06" W	104.99'	6"	HDPE N-12 W.T.*	1.10%
25	N 0520'54" E	35.95'	6"	HDPE N-12 W.T.*	1.00%
26	N 6037'22" E	4.00'	6"	HDPE N-12 W.T.*	19.50%
28	N 5554'59" W	25.62'	18"	RCP D-1350*	1.33%
45	N 7329'17" E	6.91'	4"	SOLID WALL PVC	2.00%
58	N 7923'22" E	41.05'	6"	PERFORATED PVC	0.00%
59	N 1709'06" W	120.00'	6"	PERFORATED PVC	0.00%
60	N 2922'38" W	20.00'	6"	PERFORATED PVC	0.00%
61	N 2922'38" W	119.75'	6"	PERFORATED PVC	0.00%
62	N 2922'38" W	25.95'	6"	PERFORATED PVC	0.00%
63	N 6037'22" E	65.62'	6"	PERFORATED PVC	0.00%
64	N 1701'04" W	36.84'	6"	PERFORATED PVC	0.00%
70	N 6040'04" W	3.07'	12"	HDPE N-12 W.T.*	0.65%
71	N 2919'56" W	55.00'	12"	HDPE N-12 W.T.*	0.51%
72	N 8535'55" W	27.53'	12"	HDPE N-12 W.T.*	0.51%

*SEE HDPE NOTES THIS SHEET FOR INSTALLATION REQUIREMENTS
 **** 18" RCP PIPE TO BE TONGUE IN GROOVE TYPE PIPE WITH WATER-TIGHT JOINTS.
 *****CONNECT TO KEYSTONE RETAINING WALL SUBDRAIN WITH WATER-TIGHT CONNECTION.

SEE SHEET 2 FOR EASEMENT IDENTIFICATION NOTES.
 CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED UTILITY RIMS TO FINISHED GRADE EXCEPT WITHIN THE PROPOSED BIOPILTRATION BASINS OR UNLESS SHOWN OTHERWISE.

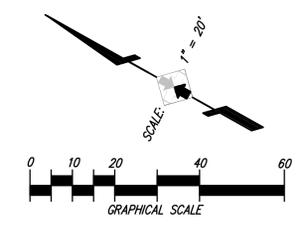
CAUTION! THE LOCATION OF THE EXISTING UTILITIES ON THESE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

SEE SHEETS 16-17 FOR ONSITE WATER AND SEWER FACILITIES
 SEE SHEETS 14-15 FOR PAVEMENT STRUCTURAL SECTIONS
 SEE ARCHITECTURAL PLANS FOR BUILDING DETAILS PER BUILDING PERMIT NO. PDS2025-CMASPC-

ALL EXISTING IMPROVEMENTS, SIGNAGE, LANDSCAPING AND IRRIGATION WITHIN LIMITS OF WORK TO BE REMOVED AND PROPERLY DISPOSED OF OFFSITE UNLESS NOTED OTHERWISE. SEE LANDSCAPING AND IRRIGATION PLANS FOR ADDITIONAL INFORMATION.

SEE LANDSCAPE AND IRRIGATION PLANS FOR PDS2025-LP-25-

CONTRACTOR TO CONNECT PROPOSED WALL SUBDRAINS TO PROPOSED STORM DRAIN SYSTEM. LOCATION TO BE DETERMINED IN THE FIELD.



43950 MARGARITA ROAD, SUITE 'C'
 TEMECULA, CA 92592
 PH: (951) 587-2020
 FAX: (951) 587-2626



PRIVATE CONTRACT

SHEET 10 COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS 32 SHEETS

PRECISE GRADING PLANS FOR:
SOUTH VILLAGE STORAGE

CALIFORNIA COORDINATE INDEX 380-1750

APPROVED FOR WILLIAM P. MORGAN, COUNTY ENGINEER

ENGINEER OF WORK: BRENT C. MOORE, R.C.E. 59121

DATE: _____

BY: _____ DATE: _____

PDS2024-LDRMJ-30505 GRADING PERMIT NO.

RECORD PLAN

BY: _____ NAME _____ DATE: _____

R.C.E. _____

EXPIRES: _____

COUNTY APPROVED CHANGES		BENCH MARK	
NO.	DESCRIPTION:	APPROVED BY:	DATE:
	DESCRIPTION: FOUND 2" BRASS CAP MARKED "VCR-92"		
	LOCATION: STORM DRAIN CURB INLET AT THE NORTHWEST CORNER OF OLD ROAD AND VALLEY CENTER ROAD		
	RECORD FROM: COUNTY OF SAN DIEGO		
	ELEVATION: 1314.45 DATUM: M.S.L.		

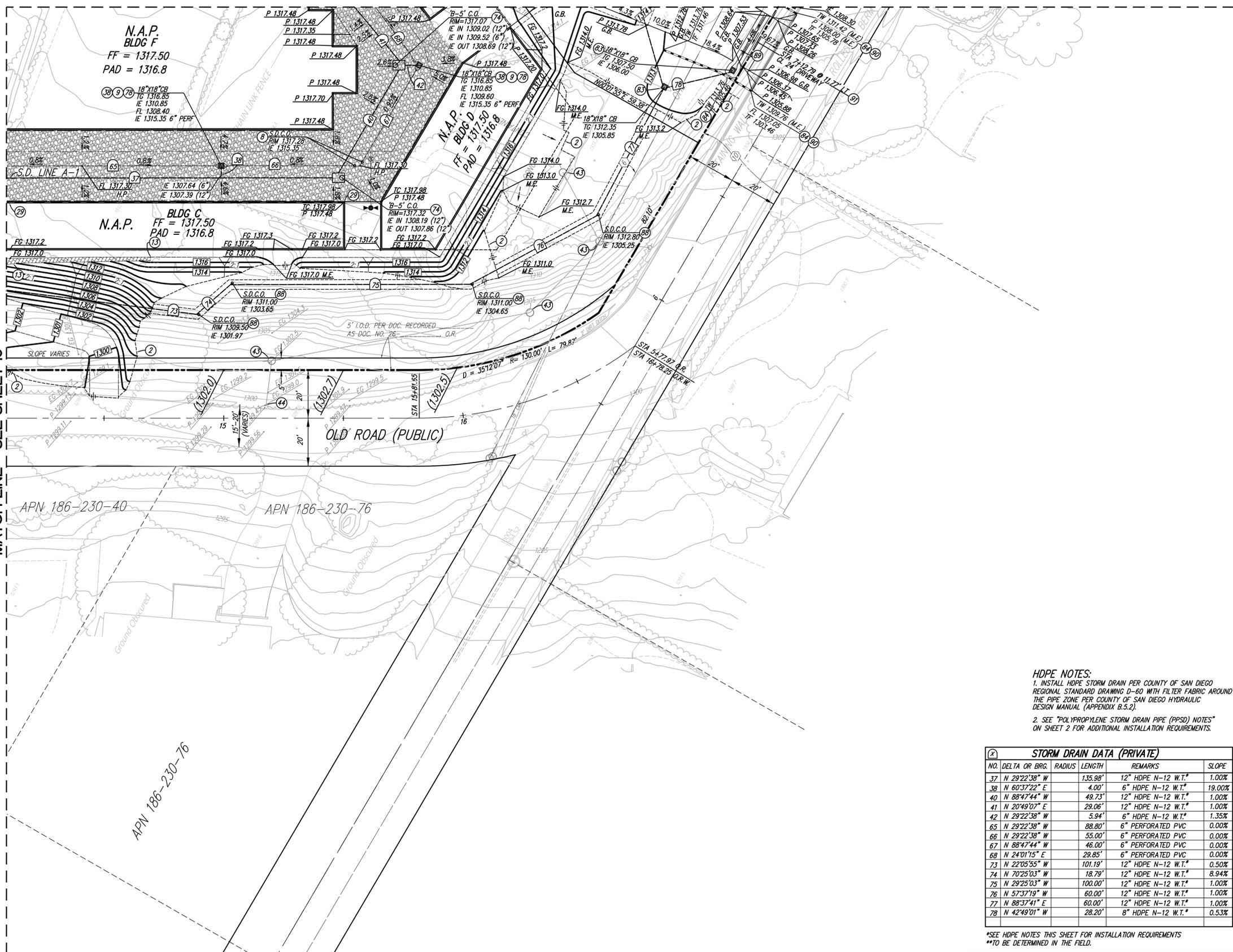
ENGINEERS NAME: ALIDADE ENGINEERING PHONE NO. (951) 587-2020

MATCHLINE - SEE SHEET 9

CONSTRUCTION NOTES

- ② LIMITS OF GRADING.
- ⑤ INSTALL 18" X 18" BROOKS BOX CATCH BASIN OR EQUIVALENT PER DETAIL SHEET 5 WITH A TRAFFIC RATED GRATE WITH 7/16" DIAMETER FLOW CONTROL ORIFICES AT THE PERFORATED DRAIN CONNECTIONS PER DETAIL SHEET 7. ELEVATIONS SHOWN PER PLAN.
- ⑧ INSTALL STORM DRAIN CLEANOUT PER DETAIL SHEET 6. ELEVATIONS SHOWN PER PLAN.
- ⑨ INSTALL AN UNGLUED PVC SCREW CAP WITH A 7/16" DIAMETER FLOW CONTROL ORIFICE DRILLED INTO THE PVC SCREW CAP AT THE FLOW LINE OF THE PERFORATED UNDERDRAIN PER DETAIL SHEET 7.
- ⑬ CONSTRUCT KEYSTONE TYPE RETAINING WALL WITH SAFETY RAILING. SEE SHEETS 21 THRU 26 FOR RETAINING WALL PLANS PREPARED BY OTHERS.
- ⑲ CONTRACTOR TO CONSTRUCT VARIABLE DEPTH DEEPEENED FOOTING IN ORDER TO NOT LOAD THE PROPOSED STORM DRAIN ADJACENT TO THE BUILDING (NOT A PART).
- ⑳ INSTALL MODIFIED 18" X 18" BROOKS BOX CATCH BASIN OR EQUIVALENT PER DETAIL 5 ON SHEET 5. DUE TO DEPTH OF STORM DRAIN, OUTLET SHALL BE MADE FROM THE BOTTOM OF THE BOX PER DETAIL SHEET 7. ELEVATIONS SHOWN PER PLAN.
- ㉓ EXISTING POWER POLE TO BE PROTECTED IN PLACE.
- ㉔ EXISTING GUY WIRE TO BE PROTECTED IN PLACE.
- ㉕ CONSTRUCT TYPE "B-5" CLEANOUT PER SDRSD D-10. ELEVATIONS SHOWN PER PLAN.
- ㉖ INSTALL 18-18-12 FULL CAPTURE GRATE INLET FILTER PER DETAIL SHEET 7 OR EQUIVALENT.
- ㉗ INSTALL 18" X 18" CATCH BASIN PER DETAIL 5 ON SHEET 5 WITH A TRAFFIC RATED GRATE. ELEVATIONS SHOWN PER PLAN.
- ㉘ CONSTRUCT MASONRY RETAINING WALL WITH PEDESTRIAN RATED SAFETY RAILING. SEE RETAINING WALL PLANS (SHEET 28 THRU 32) FOR CONSTRUCTION DETAILS, SPECS AND WALL ELEVATIONS.
- ㉙ CONSTRUCT STORM DRAIN CLEAN OUT IN LANDSCAPING PER DETAIL SHEET 5. ELEVATIONS SHOWN PER PLAN.
- ㉚ CONSTRUCT MODIFIED RIBBON GUTTER PER DETAIL SHEET 7. ELEVATIONS SHOWN PER PLAN.
- ㉛ SAW CUT, REMOVE AND PROPERLY DISPOSE OF OFFSITE PORTION OF EXISTING RETAINING WALL, FOOTING, AND CONCRETE BROW DITCH WITHIN LIMITS OF WORK.
- ㉜ CONSTRUCT MODIFIED 24" WIDE CONCRETE DRIVEWAY PER SDRSD G-26. DRIVEWAY MODIFIED DUE TO NO EXISTING SIDEWALK ON OLD ROAD. ELEVATIONS SHOWN PER PLAN.

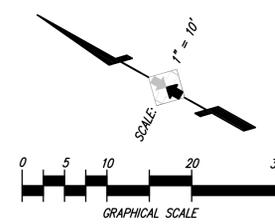
MATCH LINE - SEE SHEET 10



HDPE NOTES:
 1. INSTALL HDPE STORM DRAIN PER COUNTY OF SAN DIEGO REGIONAL STANDARD DRAWING D-60 WITH FILTER FABRIC AROUND THE PIPE ZONE PER COUNTY OF SAN DIEGO HYDRAULIC DESIGN MANUAL (APPENDIX B.5.2).
 2. SEE "POLYPROPYLENE STORM DRAIN PIPE (PPSD) NOTES" ON SHEET 2 FOR ADDITIONAL INSTALLATION REQUIREMENTS.

ALL EXISTING IMPROVEMENTS, SIGNAGE, LANDSCAPING AND IRRIGATION WITHIN LIMITS OF WORK TO BE REMOVED AND PROPERLY DISPOSED OF OFFSITE UNLESS NOTED OTHERWISE. SEE LANDSCAPING AND IRRIGATION PLANS FOR ADDITIONAL INFORMATION.

STORM DRAIN DATA (PRIVATE)				
NO.	DELTA OR BRG.	RADIUS	LENGTH	SLOPE
37	N 29°22'38" W		135.98'	12" HDPE N-12 W.T.* 1.00%
38	N 60°37'22" E		4.00'	6" HDPE N-12 W.T.* 19.00%
40	N 88°47'44" W		49.73'	12" HDPE N-12 W.T.* 1.00%
41	N 20°49'07" E		29.06'	12" HDPE N-12 W.T.* 1.00%
42	N 29°22'38" W		5.94'	6" HDPE N-12 W.T.* 1.35%
65	N 29°22'38" W		88.80'	6" PERFORATED PVC 0.00%
66	N 29°22'38" W		55.00'	6" PERFORATED PVC 0.00%
67	N 88°47'44" W		46.00'	6" PERFORATED PVC 0.00%
68	N 24°01'15" E		29.85'	6" PERFORATED PVC 0.00%
73	N 22°05'55" W		101.19'	12" HDPE N-12 W.T.* 0.50%
74	N 70°25'03" W		18.79'	12" HDPE N-12 W.T.* 8.94%
75	N 29°25'03" W		100.00'	12" HDPE N-12 W.T.* 1.00%
76	N 57°37'19" E		60.00'	12" HDPE N-12 W.T.* 1.00%
77	N 88°37'41" E		60.00'	12" HDPE N-12 W.T.* 1.00%
78	N 42°49'01" W		28.20'	8" HDPE N-12 W.T.* 0.53%



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 FAX: (951) 587-2626

REGISTERED PROFESSIONAL ENGINEER
 BRENT C. MOORE
 No. 59121
 Exp. 6-30-27
 CIVIL
 STATE OF CALIFORNIA

SEE SHEET 2 FOR EASEMENT IDENTIFICATION NOTES.
 CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED UTILITY RIMS TO FINISHED GRADE EXCEPT WITHIN THE PROPOSED BIOFILTRATION BASINS OR UNLESS SHOWN OTHERWISE.

CAUTION! THE LOCATION OF THE EXISTING UTILITIES ON THESE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

SEE SHEETS 16-17 FOR ONSITE WATER AND SEWER FACILITIES

SEE SHEETS 14-15 FOR PAVEMENT STRUCTURAL SECTIONS

SEE ARCHITECTURAL PLANS FOR BUILDING DETAILS PER BUILDING PERMIT NO. PDS2025-CMASPC-

SEE LANDSCAPE AND IRRIGATION PLANS FOR ALL LANDSCAPING AND IRRIGATION PER PDS2025-LP-25-

CONTRACTOR TO CONNECT PROPOSED WALL SUBDRAINS TO PROPOSED STORM DRAIN SYSTEM. LOCATION TO BE DETERMINED IN THE FIELD.

RECORD PLAN

BY: _____ NAME _____ DATE: _____
 R.C.E. _____
 EXPIRES: _____

COUNTY APPROVED CHANGES

NO.	DESCRIPTION:	APPROVED BY:	DATE:

BENCH MARK

DESCRIPTION: FOUND 2" BRASS CAP MARKED "VCR-92"
 LOCATION: STORM DRAIN CURB INLET AT THE NORTHWEST CORNER OF OLD ROAD AND VALLEY CENTER ROAD
 RECORD FROM: COUNTY OF SAN DIEGO
 ELEVATION: 1314.45 DATUM: M.S.L.

PRIVATE CONTRACT

SHEET 11 COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS 32 SHEETS

PRECISE GRADING PLANS FOR:
SOUTH VILLAGE STORAGE

CALIFORNIA COORDINATE INDEX 380-1750

APPROVED FOR WILLIAM P. MORGAN, COUNTY ENGINEER
 BY: _____ DATE: _____
 DATE: _____

ENGINEER OF WORK
 BRENT C. MOORE, R.C.E. 59121
 PDS2024-LDGRMJ-30505
 GRADING PERMIT NO. _____

ENGINEERS NAME: ALIDADE ENGINEERING
 PHONE NO. (951) 587-2020

1330- 1330-

1320- 1320-

1310- 1310-

1300- 1300-

1320- 1320-

1310- 1310-

1300- 1300-

1310-

1300- HGL = 1297.71

1290-

SEE SHEETS 10 FOR PLAN VIEW
PROFILE: STORM DRAIN LINE 'B-1'
 SCALE: HOR. 1"=20'; VER. 1"=4'

SEE SHEETS 9, 10 AND 11 FOR PLAN VIEW
PROFILE: STORM DRAIN LINE 'A-1'
 SCALE: HOR. 1"=20'; VER. 1"=4'

SEE SHEETS 8 AND 10 FOR PLAN VIEW
PROFILE: STORM DRAIN LINE 'A-2'
 SCALE: HOR. 1"=20'; VER. 1"=4'



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PRIVATE CONTRACT		
SHEET 12	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	32 SHEETS

STORM DRAIN PROFILES FOR: SOUTH VILLAGE STORAGE	
CALIFORNIA COORDINATE INDEX	380-1750
APPROVED FOR WILLIAM P. MORGAN, COUNTY ENGINEER	ENGINEER OF WORK BRENT C. MOORE, R.C.E. 59121
BY: _____	DATE: _____
DATE: _____	PDS2024-LDGRMJ-30505 GRADING PERMIT NO:

RECORD PLAN	
BY: _____	DATE: _____
R.C.E. _____	
EXPIRES: _____	

COUNTY APPROVED CHANGES			
NO.	DESCRIPTION:	APPROVED BY:	DATE:

BENCH MARK	
DESCRIPTION:	FOUND 2" BRASS CAP MARKED "VCR-92"
LOCATION:	STORM DRAIN CURB INLET AT THE NORTHWEST CORNER OF OLD ROAD AND VALLEY CENTER ROAD
RECORD FROM:	COUNTY OF SAN DIEGO
ELEVATION:	1314.45
DATUM:	M.S.L.

CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED UTILITY RIMS TO FINISHED GRADE EXCEPT WITHIN THE PROPOSED BIOPFILTRATION BASINS OR UNLESS SHOWN OTHERWISE.

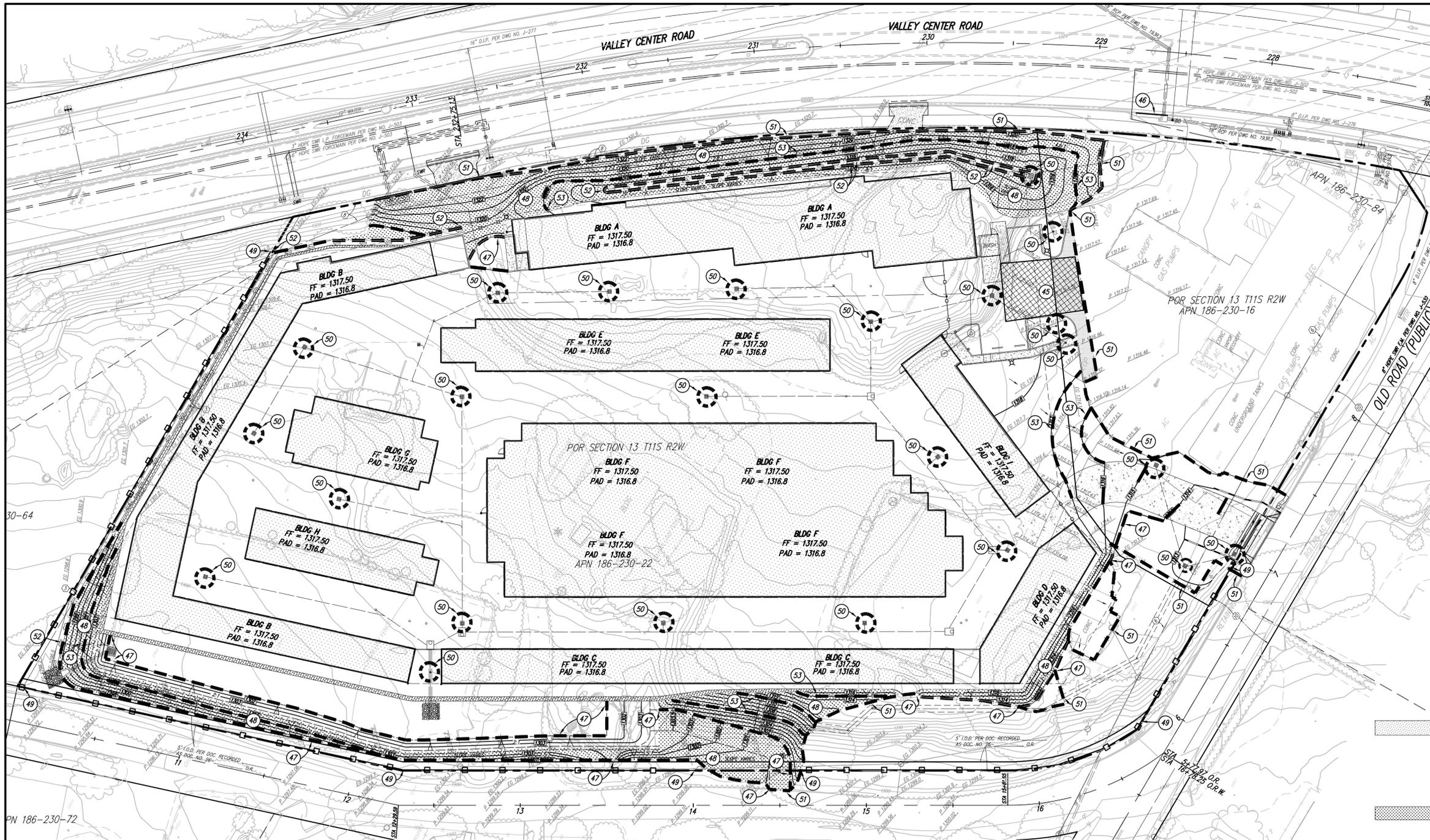
CAUTION! THE LOCATION OF THE EXISTING UTILITIES ON THESE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

SEE IMPROVEMENT PLAN PDS2024-LDPIIP- FOR WATER AND SEWER FACILITIES WITHIN THE PUBLIC EASEMENT TO VCMWD.

SEE ARCHITECTURAL PLANS FOR BUILDING DETAILS PER BUILDING PERMIT NO. PDS2024-CMASPC-

SEE LANDSCAPE AND IRRIGATION PLANS FOR ALL LANDSCAPING AND IRRIGATION PER PDS2024-LP-24-

CONTRACTOR TO CONNECT PROPOSED WALL SUBDRAINS TO PROPOSED STORM DRAIN SYSTEM. LOCATION TO BE DETERMINED IN THE FIELD.



LEGEND:

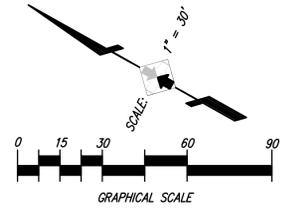
DESCRIPTION	SYMBOL
STABILIZED CONSTRUCTION ENTRANCE (TC-1)	[Symbol]
SILT FENCE (SC-1)	[Symbol]
FIBER ROLLS (SC-5)	[Symbol]
ENERGY DISSIPATER OUTLET PROTECTION (EC-10)	[Symbol]
FIBER ROLLS CIRCLE (SC-5)	[Symbol]
CONCRETE WASTE MANAGEMENT* (WM-6 & WM-8)	[Symbol]
SANITARY WASTE MANAGEMENT* (WM-9)	[Symbol]
CONCRETE WASHOUT FACILITIES* (WM-8)	[Symbol]
WASTE MANAGEMENT FACILITIES* (WM-5 & 10)	[Symbol]
MATERIAL DELIVERY AND STORAGE* (WM-1)	[Symbol]
STREET SWEEPING AND VACUUMING* (SE-7)	[Symbol]
STOCKPILE MANAGEMENT* (WM-3)	[Symbol]
VEHICLE STORAGE AND SERVICE AREA* (NS-8, 9 & 10)	[Symbol]
EQUIPMENT STORAGE AND SERVICE AREA* (NS-8, 9 & 10)	[Symbol]
SPILL PREVENTION AND CONTROL* (WM-4)	[Symbol]
WATER CONSERVATION PRACTICES* (NS-1)	[Symbol]

* CONTRACTOR TO DETERMINE LOCATION(S) IN FIELD, LOCATIONS MAY CHANGE THROUGHOUT THE DURATION OF CONSTRUCTION.

FLAT AREAS OF LESS THAN 5% (LIKE BUILDING PADS, PARKING AREAS, LEACH FIELDS) SHALL HAVE 100% PROTECTION USING GEOTEXTILES, MATS (EC-7), OR OTHER MATERIALS APPROVED BY THE TOWN FOR STABILIZING SLOPES, OR USING TRACKING AND SOIL STABILIZERS/BINDERS (EC-5), TEMPORARY SEEDING (EC-4), MULCH/WOOD CHIPS (EC-3, EC-6, EC-8), OR JUTE MATTING (EC-7). AREAS OF GRADED PADS THAT HAVE ACTIVE STRUCTURE CONSTRUCTION UNDERWAY MAY BE PROTECTED BY ROLLED PLASTIC AS PART OF A WEATHER-TRIGGERED ACTION PLAN UNTIL THE STRUCTURE'S ROOF HAS BEEN COMPLETED. THE REMAINDER OF THE PAD AREA MUST CONTINUE TO BE PROTECTED USING EROSION CONTROL MEASURES IDENTIFIED ABOVE.

APPLY BONDED FIBER MATRIX TO ALL SLOPES OVER 3' HEIGHT PER SAN DIEGO COUNTY STANDARDS. SEE BONDED FIBER MATRIX NOTES ON SHEET 3.

- EROSION CONTROL NOTES:**
- 45 INSTALL STABILIZED CONSTRUCTION ENTRANCE PER DETAIL SHEET 5. CONTRACTOR TO DIRECT CONSTRUCTION TRAFFIC THROUGH THE STABILIZED CONSTRUCTION ENTRANCE AT ALL TIMES.
 - 46 INSTALL ERTEC CURB INLET GUARD PER DETAIL SHEET 5 OR EQUIVALENT.
 - 47 INSTALL FIBER ROLLS AT TOE OF SLOPE PER DETAIL SHEET 5.
 - 48 APPLY HYDROSEED WITH BONDED FIBER MATRIX ON SLOPES FOR EROSION CONTROL PURPOSES.
 - 49 INSTALL SILT FENCE AT PROPERTY LINE PER DETAIL SHEET 5.
 - 50 INSTALL FIBER ROLL CIRCLE AROUND AREA DRAINS AND CATCH BASINS PER DETAIL SHEET 5.
 - 51 INSTALL FIBER ROLLS AT LIMITS OF WORK PER DETAIL SHEET 5. IF FIBER ROLLS ARE PLACED ON A PAVED SURFACE, THEN INSTALL GRAVEL BAGS AT 5' ON CENTER TO HOLD FIBER ROLLS IN PLACE.
 - 52 INSTALL FIBER ROLLS AT BACK OF BROW DITCH. INSTALL GRAVEL BAGS AT 5' ON CENTER TO HOLD FIBER ROLLS IN PLACE.
 - 53 INSTALL FIBER ROLLS ON THE SLOPE AT THE APPROXIMATE INTERVALS SHOWN PER DETAIL SHEET 5.



SEE LANDSCAPE AND IRRIGATION PLANS FOR ALL LANDSCAPING AND IRRIGATION PER PDS2024-LP-24

SEE SHEETS 8-11 FOR GRADING PLANS

SEE SHEET 2 FOR EASEMENT IDENTIFICATION NOTES.

CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED UTILITY RIMS TO FINISHED GRADE EXCEPT WITHIN THE PROPOSED BIOFILTRATION BASINS OR UNLESS SHOWN OTHERWISE.

THE LOCATION OF THE EXISTING UTILITIES ON THESE PLANS ARE APPROXIMATE AND CAUTION! SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

ALL EXISTING IMPROVEMENTS, LANDSCAPING & IRRIGATION WITHIN THE LIMITS OF WORK TO BE REMOVED AND PROPERLY DISPOSED OF OFFSITE UNLESS NOTED OTHERWISE. SEE LANDSCAPING & IRRIGATION PLANS FOR ADDITIONAL INFORMATION.

RECORD PLAN

BY: _____ DATE: _____
 NAME _____
 R.C.E. _____
 EXPIRES: _____

COUNTY APPROVED CHANGES

NO.	DESCRIPTION:	APPROVED BY:	DATE:

BENCH MARK

DESCRIPTION: FOUND 2" BRASS CAP MARKED "VCR-92"
 LOCATION: STORM DRAIN CURB INLET AT THE NORTHWEST CORNER OF OLD ROAD AND VALLEY CENTER ROAD
 RECORD FROM: COUNTY OF SAN DIEGO
 ELEVATION: 1314.45 DATUM: M.S.L.

PRIVATE CONTRACT

SHEET 13 COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS 32 SHEETS

EROSION CONTROL PLAN FOR:
SOUTH VILLAGE STORAGE

CALIFORNIA COORDINATE INDEX 380-1750

APPROVED FOR WILLIAM P. MORGAN, COUNTY ENGINEER

ENGINEER OF WORK: BRENT C. MOORE, R.C.E. 59121
 DATE: 6-30-27

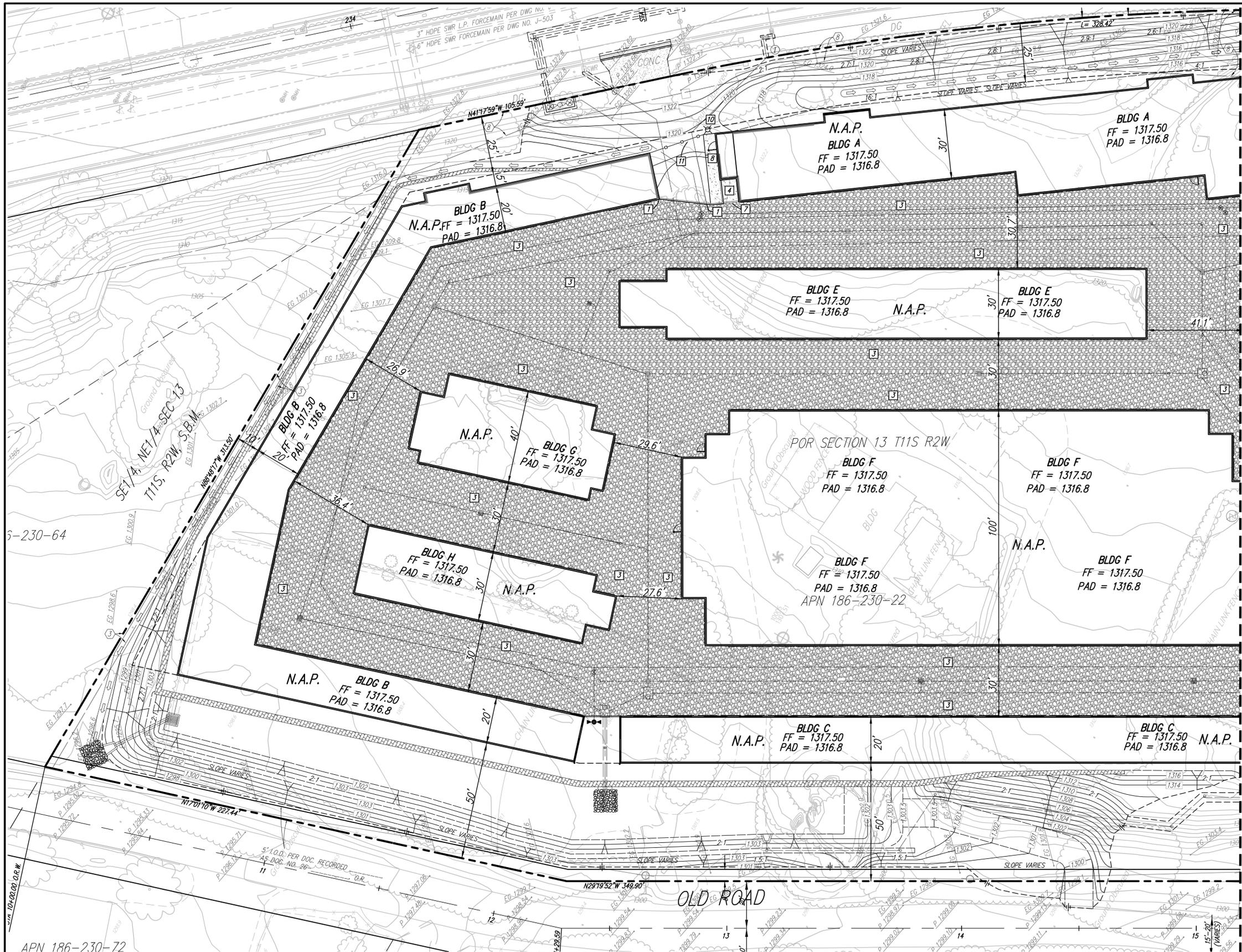
BY: _____ DATE: _____
 PDS2024-LDGRMJ-30505 GRADING PERMIT NO.

Alidade ENGINEERING

43950 MARGARITA ROAD, SUITE 'C'
 TEMECULA, CA 92592
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 FAX: (951) 587-2626

REGISTERED PROFESSIONAL ENGINEER
 BRENT C. MOORE
 No. 59121
 Exp. 6-30-27
 CIVIL
 STATE OF CALIFORNIA

ENGINEER NAME: ALIDADE ENGINEERING
 PHONE NO. (951) 587-2020



LEGEND:

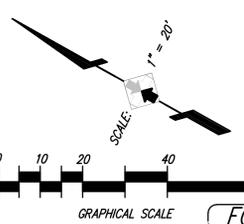
1	6" CURB (PVT)	SDRSO G-1	
3	GRAVELPAVE2 (PVT)	SEE DETAILS SHEET 6	
4	6" PCC PAVEMENT OVER NATIVE (PVT)	(NOT FOR CONSTRUCTION*)	
7	0" CURB (PVT)	SDRSO G-1	
8	CONCRETE SIDEWALK (4" ON NATIVE)*(PVT)SEE LANDSCAPE PLANS FOR DETAILS		
10	PARKING LOT LIGHT POLES (PVT)	SEE ARCHITECTURAL DRAWINGS	
17	SECURITY FENCE AND GATE	SEE ARCHITECTURAL DRAWINGS	

PROPERTY BOUNDARY
 EXISTING RIGHT-OF-WAY
 EXISTING EASEMENT

(*) THE ABOVE MENTIONED SECTION IS FOR PRELIMINARY DESIGN AND SHALL BE CONFIRMED BY THE GEOTECHNICAL ENGINEER OF RECORD BY FINAL TESTING AND OBSERVATION AND VERIFIED BY THE COUNTY OF SAN DIEGO MATERIALS LAB AFTER PROVIDED TEST RESULTS.

EXISTING CONTOUR
 EXISTING CONCRETE
 EXISTING TREES
 EXISTING GROUND ELEVATION
 EXISTING CANOPY
 EXISTING BIKE LANE STRIPING
 EXISTING AC ROAD
 EXISTING ELECTRICAL FACILITIES
 EXISTING GAS FACILITIES
 EXISTING LIGHTS
 EXISTING STORM DRAIN
 EXISTING RETAINING WALL
 EXISTING ROLLED AC BERM
 EXISTING HANDICAP STALL
 EXISTING ROCK OUTCROPPING
 EXISTING BUILDING
 EXISTING CONC DITCH
 EXISTING WATER FACILITIES
 EXISTING SIGN
 EXISTING MAIL BOX
 EXISTING CURB AND GUTTER
 EXISTING FENCE/GATE

MATCHLINE - SEE SHEET 15



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 No. 59121
 Exp. 6-30-27
 CIVIL
 STATE OF CALIFORNIA

FOR REFERENCE ONLY

APN 186-230-72

SEE SHEET 2 FOR EASEMENT IDENTIFICATION NOTES.

SEE SHEETS 8-12 FOR ONSITE GRADING, STORM DRAIN FACILITY ELEVATIONS AND PROFILES AND CONSTRUCTION NOTES.

CAUTION! THE LOCATION OF THE EXISTING UTILITIES ON THESE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED UTILITY RIMS TO FINISHED GRADE EXCEPT WITHIN THE PROPOSED BIOFILTRATION BASINS OR UNLESS SHOWN OTHERWISE.

RECORD PLAN		COUNTY APPROVED CHANGES				BENCH MARK	
BY:	DATE:	NO.	DESCRIPTION:	APPROVED BY:	DATE:	DESCRIPTION:	
						FOUND 2" BRASS CAP MARKED "VCR-92"	
R.C.E.						STORM DRAIN CURB INLET AT THE NORTHWEST CORNER OF OLD ROAD AND VALLEY CENTER ROAD	
EXPIRES:						RECORD FROM: COUNTY OF SAN DIEGO	
						ELEVATION: 1314.45	DATUM: M.S.L.

PRIVATE CONTRACT

SHEET 14	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	32 SHEETS
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HORIZONTAL CONTROL PLAN FOR:
SOUTH VILLAGE STORAGE

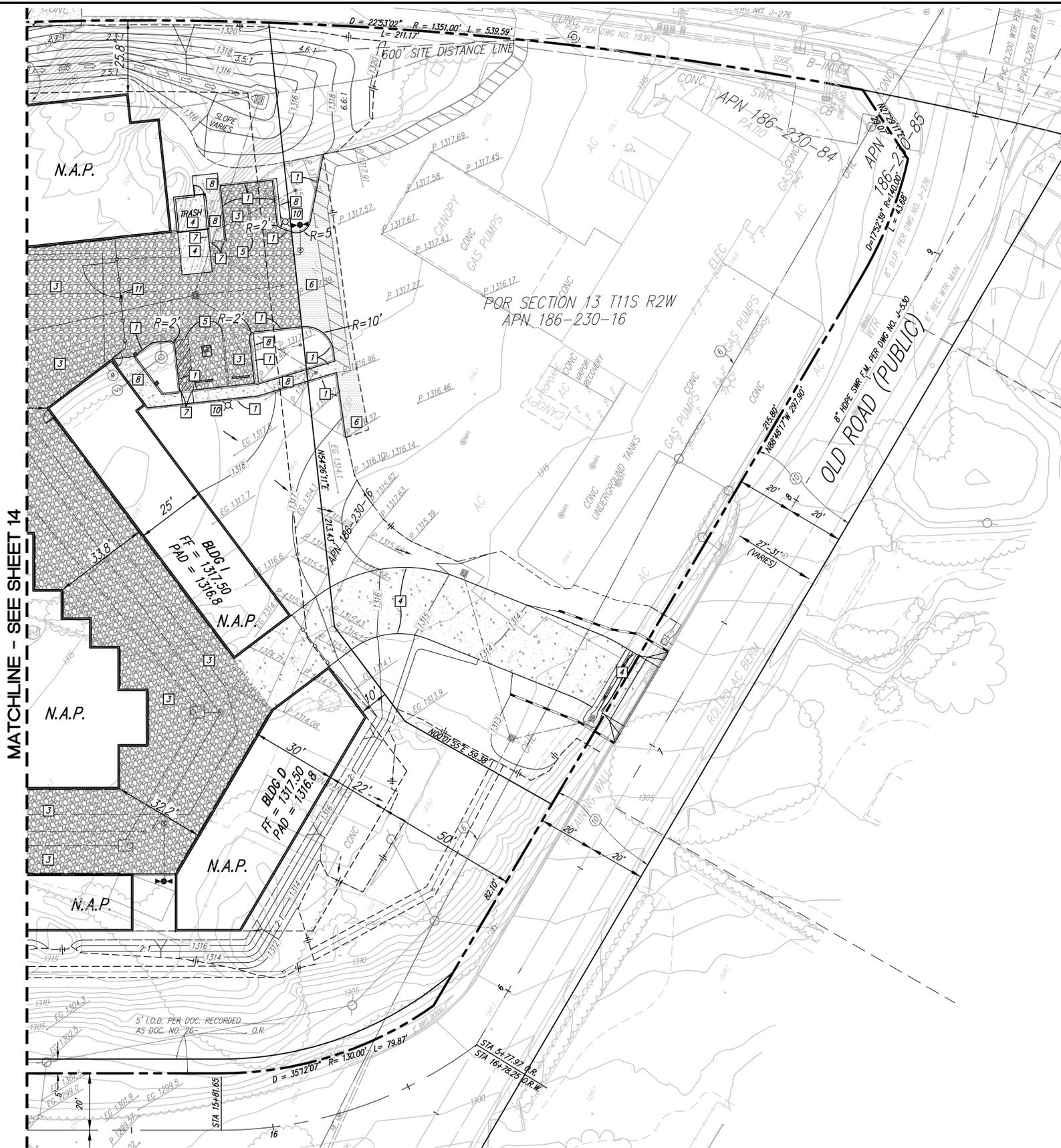
CALIFORNIA COORDINATE INDEX 380-1750

APPROVED FOR WILLIAM P. MORGAN,
 COUNTY ENGINEER

BY: BRENT C. MOORE, R.C.E. 59121
 DATE:

PDS2024-LDGRMJ-30505
 GRADING PERMIT NO.

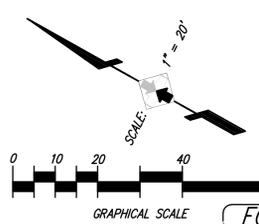
ENGINEER NAME: ALIDADE ENGINEERING
 PHONE NO. (951) 587-2020



MATCHLINE - SEE SHEET 14

- LEGEND:**
- 1 6" CURB (PVT) SDRSD G-1
 - 3 GRAVELPAVEZ (PVT) SEE DETAILS SHEET 6
 - 4 6" PCC PAVEMENT OVER NATIVE (PVT) (NOT FOR CONSTRUCTION*)
 - 5 PARKING STRIPE/HANDICAP (PVT) SEE ARCH PLANS FOR DETAILS
 - 6 4" AC OVER 4.5" CLASS II BASE (PVT) (NOT FOR CONSTRUCTION*)
 - 7 0" CURB (PVT) SDRSD G-1
 - 8 CONCRETE SIDEWALK (4" ON NATIVE)*(PVT) SEE LANDSCAPE PLANS FOR DETAILS
 - 10 PARKING LOT LIGHT POLES (PVT) SEE ARCHITECTURAL DRAWINGS
 - 11 SECURITY FENCE AND GATE SEE ARCHITECTURAL DRAWINGS
- PROPERTY BOUNDARY
- EXISTING RIGHT-OF-WAY
- EXISTING EASEMENT
- (*) THE ABOVE MENTIONED SECTION IS FOR PRELIMINARY DESIGN AND SHALL BE CONFIRMED BY THE GEOTECHNICAL ENGINEER OF RECORD BY FINAL TESTING AND OBSERVATION AND VERIFIED BY THE COUNTY OF SAN DIEGO MATERIALS LAB AFTER PROVIDED TEST RESULTS.

- EXISTING CONTOUR
- EXISTING CONCRETE
- EXISTING TREES
- EXISTING GROUND ELEVATION
- EXISTING CANOPY
- EXISTING BIKE LANE STRIPING
- EXISTING AC ROAD
- EXISTING ELECTRICAL FACILITIES
- EXISTING GAS FACILITIES
- EXISTING LIGHTS
- EXISTING STORM DRAIN
- EXISTING RETAINING WALL
- EXISTING ROLLED AC BERM
- EXISTING HANDICAP STALL
- EXISTING ROCK OUTCROPPING
- EXISTING BUILDING
- EXISTING CONC DITCH
- EXISTING WATER FACILITIES
- EXISTING SIGN
- EXISTING MAIL BOX
- EXISTING CURB AND GUTTER
- EXISTING FENCE/GATE



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FOR REFERENCE ONLY

SEE SHEET 2 FOR EASEMENT IDENTIFICATION NOTES.

CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED UTILITY RIMS TO FINISHED GRADE EXCEPT WITHIN THE PROPOSED BIOFILTRATION BASINS OR UNLESS SHOWN OTHERWISE.

SEE SHEETS 8-12 FOR ONSITE GRADING, STORM DRAIN FACILITY ELEVATIONS AND PROFILES AND CONSTRUCTION NOTES.

CAUTION! THE LOCATION OF THE EXISTING UTILITIES ON THESE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

RECORD PLAN	COUNTY APPROVED CHANGES	BENCH MARK
BY: _____ DATE: _____	NO. DESCRIPTION: APPROVED BY: DATE:	DESCRIPTION: FOUND 2" BRASS CAP MARKED "VCR-92"
R.C.E. _____		LOCATION: STORM DRAIN CURB INLET AT THE NORTHWEST CORNER OF OLD ROAD AND VALLEY CENTER ROAD
EXPIRES: _____		RECORD FROM: COUNTY OF SAN DIEGO
		ELEVATION: 1314.45 DATUM: M.S.L.

PRIVATE CONTRACT

SHEET 15	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	32 SHEETS
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HORIZONTAL CONTROL PLAN FOR:
SOUTH VILLAGE STORAGE

CALIFORNIA COORDINATE INDEX 380-1750

APPROVED FOR WILLIAM P. MORGAN,
COUNTY ENGINEER

BY: _____ DATE: _____

ENGINEER OF WORK
BRENT C. MOORE, R.C.E. 59121
DATE: _____

PDS2024-LDGRMJ-30505
GRADING PERMIT NO. _____

CONSTRUCTION NOTES

- 1. INSTALL FLOW METER PER VCMWD STANDARD DRAWING LPS-3. ELEVATIONS SHOWN PER PLAN.
- 2. INSTALL BACKFLOW PREVENTER ASSEMBLY AT BACK OF EXISTING WATER METER BOX PER SDRSD WR-01.
- 3. CONNECT LOW PRESSURE SEWER LATERAL TO EXISTING LOW PRESSURE SEWER LATERAL STUB. MAINTAIN MINIMUM 2" COVER OVER TOP OF PROPOSED LOW PRESSURE SEWER LATERAL. ELEVATIONS SHOWN PER PLAN.
- 4. INSTALL FLEX COUPLING AS NEEDED DUE TO VERTICAL GRADE BREAK.
- 5. INSTALL 6" MINIMUM SAND CUSHION BETWEEN BOTTOM OF WATER MAIN AND TOP OF STORM DRAIN AT CROSSINGS WITH LESS THAN 12" VERTICAL SEPARATION.

LEGEND:

- 1 PROPERTY LINE/ PROJECT BOUNDARY
 - 2 4" FIRE SERVICE LINE (PVT)
 - 3 8" BACKFLOW R.P.B.P.D. W/ TATTLE-TAIL METER VCMWD W-8 W/ FDC MOUNTED TO SYSTEM SIDE OF THE R.P.B.P.D.
 - 4 6" FIRE HYDRANT ASSEMBLY VCMWD W-12
 - 5 1" DOMESTIC BACKFLOW PREVENTER (PVT) SDRSD WR-01
 - 6 1" IRRIGATION BACKFLOW PREVENTER (PVT) SDRSD WR-01
 - 7 1" IRRIGATION SERVICE LINE (PVT) VCMWD W-3
- EXISTING CONTOUR
- EXISTING CONCRETE
- EXISTING TREES
- EXISTING GROUND ELEVATION
- EXISTING CANOPY
- EXISTING BIKE LANE STRIPING
- EXISTING AC ROAD
- EXISTING ELECTRICAL FACILITIES
- EXISTING GAS FACILITIES
- EXISTING LIGHTS
- EXISTING STORM DRAIN
- EXISTING RETAINING WALL
- EXISTING ROLLED AC BERM
- EXISTING HANDICAP STALL
- EXISTING ROCK OUTCROPPING
- EXISTING BUILDING
- EXISTING CONC DITCH
- EXISTING WATER FACILITIES
- EXISTING SIGN
- EXISTING MAIL BOX
- EXISTING CURB AND GUTTER
- EXISTING FENCE/GATE

CONSTRUCTION NOTES

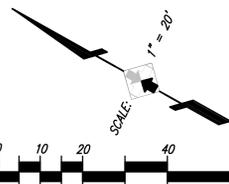
- 54. INSTALL 8" 45° HORIZONTAL BEND WITH RESTRAINED JOINTS (L = 15').
- 55. INSTALL 8"x8"x8" TEE WITH 2-8" GATE VALVES WITH RESTRAINED JOINTS. JOINT LENGTH = 5' IN BOTH DIRECTIONS ALONG THE RUN AND 89' ALONG THE BRANCH.
- 56. INSTALL 8" 11.25° HORIZONTAL BEND WITH RESTRAINED JOINTS (L = 4').
- 57. INSTALL 8" 45° HORIZONTAL BEND WITH FLEX COUPLING (α = 47.48°) WITH RESTRAINED JOINTS (L = 15').
- 58. INSTALL 8" 22.5° HORIZONTAL BEND WITH FLEX COUPLING (α = 18.35°) WITH RESTRAINED JOINTS (L = 7').
- 59. INSTALL 8" 11.25° HORIZONTAL BEND WITH FLEX COUPLING (α = 12.23°) WITH RESTRAINED JOINTS (L = 4').
- 60. INSTALL 8"x8"x6" TEE WITH 1-6" GATE VALVE WITH RESTRAINED JOINTS. JOINT LENGTH = 3' IN BOTH DIRECTIONS ALONG THE RUN AND 55' ALONG THE BRANCH.
- 61. INSTALL 22.5° AND 11.25° HORIZONTAL BENDS WITH FLEX COUPLING(S) (α = 36.69°) WITH RESTRAINED JOINTS (L = 8').
- 62. INSTALL 8"x8"x8" TEE WITH 8"x6" REDUCER WITH RESTRAINED JOINTS. JOINT LENGTH = 5' IN BOTH DIRECTIONS ALONG THE RUN AND 89' ALONG THE BRANCH.

SEE SHEET 2 FOR EASEMENT IDENTIFICATION NOTES.

CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED UTILITY RIMS TO FINISHED GRADE EXCEPT WITHIN THE PROPOSED BIOPULTRATION BASINS OR UNLESS SHOWN OTHERWISE.



43950 MARGARITA ROAD, SUITE 'C'
 TEMECULA, CA 92592
 PH: (951) 587-2020
 FAX: (951) 587-2626



FOR REFERENCE ONLY

UTILITIES SHOWN HEREON ARE FOR REFERENCE AND BONDING PURPOSES ONLY

MINIMUM DESIGN PRESSURE = 250 PSI

SEWER DATA (PVT)					WATER DATA (PVT)					WATER DATA (PVT)					WATER DATA (PVT)				
NO.	DELTA OR BRG.	RADIUS	LENGTH	REMARKS	NO.	DELTA OR BRG.	RADIUS	LENGTH	REMARKS	NO.	DELTA OR BRG.	RADIUS	LENGTH	REMARKS	NO.	DELTA OR BRG.	RADIUS	LENGTH	REMARKS
1	N 48°42'01" E	1.62'	1-1/2"	I.P.S. PE 4170 DR-17	1	N 03°42'01" E	66.73'	8"	PVC C-900 CL305	7	N 17°09'06" W	107.80'	8"	PVC C-900 CL305	13	N 50°38'19" E	8.63'	1"	PVC SCH 80
2	N 03°42'01" E	15.13'	1-1/2"	I.P.S. PE 4170 DR-17	2	N 48°40'23" E	24.97'	8"	PVC C-900 CL305	8	N 29°22'38" W	275.37'	8"	PVC C-900 CL305	14	N 74°06'41" W	44.97'	1"	PVC SCH 80
3	N 03°42'01" E	21.29'	1-1/2"	I.P.S. PE 4170 DR-17	3	N 41°19'37" W	95.45'	8"	PVC C-900 CL305	9	N 30°31'04" W	241.20'	8"	PVC C-900 CL305	15	N 48°40'23" E	35.36'	1"	PVC SCH 80
4	N 48°40'23" E	40.62'	1-1/2"	I.P.S. PE 4170 DR-17	4	N 88°48'17" W	68.04'	8"	PVC C-900 CL305	10	N 30°31'04" W	6.41'	8"	PVC C-900 CL305	16	N 29°22'38" W	3.00'	8"	PVC CL305
5	N 30°31'04" W	236.75'	1-1/2"	I.P.S. PE 4170 DR-17	5	N 72°50'54" E	77.71'	8"	PVC C-900 CL305	11	N 60°37'22" E	54.96'	8"	PVC C-900 CL305	22	N 30°31'04" W	226.48'	1"	PVC SCH 80
9	N 48°40'23" E	14.86'	1-1/2"	I.P.S. PE 4170 DR-17	6	N 27°50'54" E	15.00'	8"	PVC C-900 CL305	12	N 23°56'02" E	10.64'	8"	PVC C-900 CL305					

RECORD PLAN

BY: _____ DATE: _____

R.C.E. _____

EXPIRES: _____

COUNTY APPROVED CHANGES

NO.	DESCRIPTION:	APPROVED BY:	DATE:

BENCH MARK

DESCRIPTION: FOUND 2" BRASS CAP MARKED "VCR-92"

LOCATION: STORM DRAIN CURB INLET AT THE NORTHWEST CORNER OF OLD ROAD AND VALLEY CENTER ROAD

RECORD FROM: COUNTY OF SAN DIEGO

ELEVATION: 1314.45 DATUM: M.S.L.

PRIVATE CONTRACT

SHEET 16 COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS 32 SHEETS

PRIVATE UTILITY PLAN FOR: **SOUTH VILLAGE STORAGE**

CALIFORNIA COORDINATE INDEX 380-1750

APPROVED FOR WILLIAM P. MORGAN, COUNTY ENGINEER

ENGINEER OF WORK: BRENT C. MOORE, R.C.E. 59121

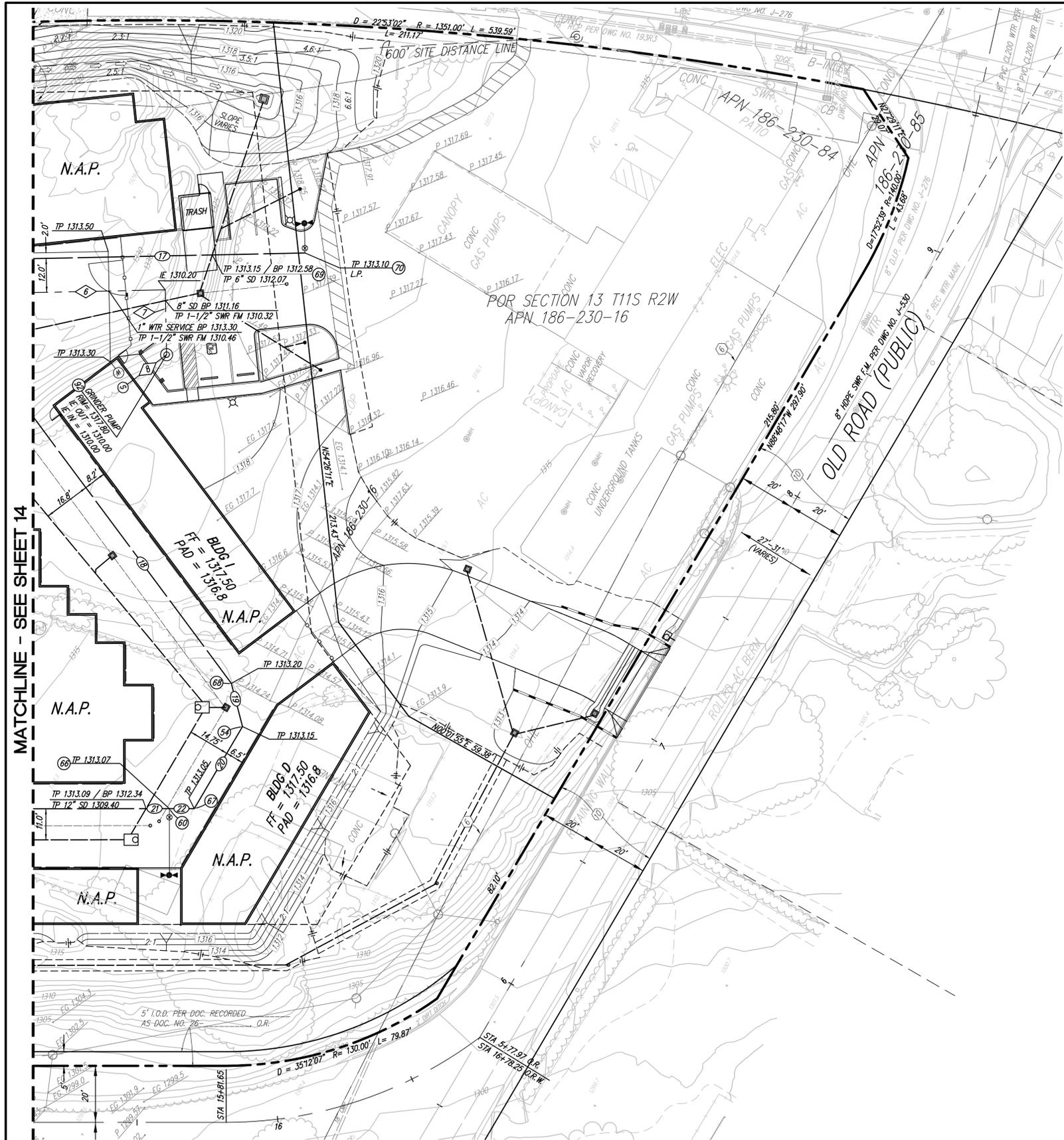
DATE: _____

BY: _____

DATE: _____

PDS2024-LDGRMJ-30505 GRADING PERMIT NO.

ENGINEERS NAME: ALIDADE ENGINEERING PHONE NO. (951) 587-2020



WATER DATA (PVT)				
NO.	DELTA OR BRG.	RADIUS	LENGTH	REMARKS
17	N 30°31'04\" W	90.89'	6\" PVC C-900 CL305	
18	N 23°56'02\" E	108.19'	8\" PVC C-900 CL305	
19	N 46°12'16\" E	15.77'	8\" PVC C-900 CL305	
20	N 88°47'44\" W	33.68'	8\" PVC C-900 CL305	
21	N 29°22'38\" W	42.68'	8\" PVC C-900 CL305	
22	N 29°22'38\" W	8.87'	8\" PVC C-900 CL305	

MINIMUM DESIGN PRESSURE = 250 PSI

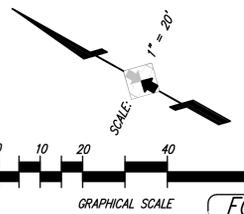
SEWER DATA (PVT)				
NO.	DELTA OR BRG.	RADIUS	LENGTH	REMARKS
6	N 30°31'04\" W	41.77'	1-1/2\" I.P.S. PE 4170 DR-17	
7	N 59°28'56\" E	22.93'	1-1/2\" I.P.S. PE 4170 DR-17	
8	N 66°14'38\" W	14.51'	4\" PVC SDR-35	

LEGEND:

- PROPERTY LINE/ PROJECT BOUNDARY
- 4\" FIRE SERVICE LINE (PVT)
- 6\" FIRE HYDRANT ASSEMBLY VCMWD W-12
- EXISTING CONTOUR
- EXISTING CONCRETE
- EXISTING TREES
- EXISTING GROUND ELEVATION
- EXISTING CANOPY
- EXISTING BIKE LANE STRIPING
- EXISTING AC ROAD
- EXISTING ELECTRICAL FACILITIES
- EXISTING GAS FACILITIES
- EXISTING LIGHTS
- EXISTING STORM DRAIN
- EXISTING RETAINING WALL
- EXISTING ROLLED AC BEAM
- EXISTING HANDICAP STALL
- EXISTING ROCK OUTCROPPING
- EXISTING BUILDING
- EXISTING CONC DITCH
- EXISTING WATER FACILITIES
- EXISTING SIGN
- EXISTING MAIL BOX
- EXISTING CURB AND GUTTER
- EXISTING FENCE/GATE

CONSTRUCTION NOTES

- 54 INSTALL 8\" 45\" HORIZONTAL BEND WITH RESTRAINED JOINTS (L = 15')
- 60 INSTALL 8\"x8\"x6\" TEE WITH 1-6\" GATE VALVE WITH RESTRAINED JOINTS. JOINT LENGTH = 3' IN BOTH DIRECTIONS ALONG THE RUN AND 55' ALONG THE BRANCH.
- 62 INSTALL 8\"x8\"x8\" TEE WITH 8\"x6\" REDUCER WITH RESTRAINED JOINTS. JOINT LENGTH = 5' IN BOTH DIRECTIONS ALONG THE RUN AND 89' ALONG THE BRANCH.
- 66 INSTALL FLEX COUPLING AS NEEDED DUE TO VERTICAL GRADE BREAK.
- 67 INSTALL 45\" AND 11.25\" HORIZONTAL BENDS WITH FLEX COUPLING (< = 59.42') WITH RESTRAINED JOINTS (L = 15').
- 68 INSTALL 22.5\" HORIZONTAL BEND WITH FLEX COUPLING (< = 22.25') WITH RESTRAINED JOINTS (L = 7').
- 69 INSTALL 6\" MINIMUM SAND CUSHION BETWEEN BOTTOM OF WATER MAIN AND TOP OF STORM DRAIN AT CROSSINGS WITH LESS THAN 12\" VERTICAL SEPARATION.)
- 70 INSTALL 90\" HORIZONTAL BEND WITH 1-6\" GATE VALVE WITH RESTRAINED JOINTS (L = 26').
- 92 INSTALL GRINDER PUMP PER VCMWD STANDARD DRAWING LPS-3. ELEVATIONS SHOWN PER PLAN.



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SEE SHEET 2 FOR EASEMENT IDENTIFICATION NOTES.

SEE SHEETS 8-12 FOR ONSITE GRADING, STORM DRAIN FACILITY ELEVATIONS AND PROFILES AND CONSTRUCTION NOTES.

CAUTION! THE LOCATION OF THE EXISTING UTILITIES ON THESE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

UTILITIES SHOWN HEREON ARE FOR REFERENCE AND BONDING PURPOSES ONLY

RECORD PLAN

BY: _____ DATE: _____

R.C.E. _____

EXPIRES: _____

COUNTY APPROVED CHANGES			
NO.	DESCRIPTION:	APPROVED BY:	DATE:

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PRIVATE UTILITY PLAN FOR:
SOUTH VILLAGE STORAGE

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APPROVED FOR WILLIAM P. MORGAN, COUNTY ENGINEER

ENGINEER OF WORK: BRENT C. MOORE, R.C.E. 59121

DATE: _____

BY: _____

DATE: _____

PDS2024-LDRMJ-30505 GRADING PERMIT NO.

ENGINEERS NAME: ALIDADE ENGINEERING
 PHONE NO. (951) 587-2020