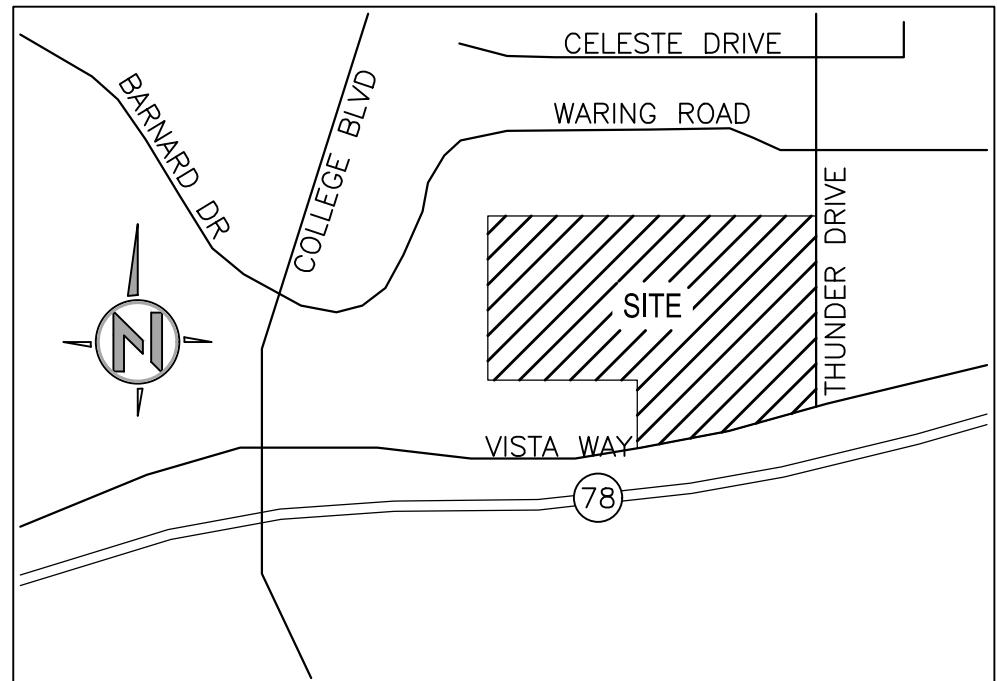


EROSION CONTROL PLAN FOR TRI-CITY SURFACE PARKING LOT

EROSION CONTROL NOTES

1. THE ENGINEER OF WORK IS REQUIRED TO CERTIFY THAT THE EROSION CONTROL MEASURES HAVE BEEN COMPLETED AND INSPECTED AND ENSURE THAT THE EROSION CONTROL PLAN IS UPDATED REFLECTING THE CURRENT CONDITIONS WITH ADEQUATE BMP CONTROL MEASURES AT ALL TIMES FOR AREAS IN WHICH VEGETATION HAS NOT BEEN PERMANENTLY ESTABLISHED AND/OR CONSTRUCTION IS NOT SCHEDULED TO COMMENCE WITHIN THE NEXT SEVEN (7) DAYS.
2. THE CONTRACTOR, PERMITTEE OR OWNER SHALL BE RESPONSIBLE FOR THE INSPECTION, MODIFICATION AND PROPER MAINTENANCE OF THE EROSION CONTROL DEVICES AS NECESSARY. IN THE EVENT OF FAILURE OR REFUSAL TO PROPERLY MAINTAIN SAID DEVICES, THE CITY ENGINEER MAY CAUSE EMERGENCY MAINTENANCE WORK TO BE DONE TO PROTECT ADJACENT PRIVATE AND PUBLIC PROPERTY, THE COST (INCLUDING AN INITIAL MOBILIZATION AMOUNT) OF WHICH SHALL BE CHARGED TO THE OWNER.
3. ALL EROSION CONTROL MEASURES REQUIRED TO RETAIN SEDIMENT ON-SITE AND TO SAFELY DISCHARGE ANY ACCELERATED RUNOFF GENERATED BY THE PROJECT SHALL BE INSTALLED DURING THE INITIAL CONSTRUCTION PHASE OF THE PROJECT.
4. THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL SYSTEMS SHALL BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED EROSION CONTROL PLAN.
5. TEMPORARY EROSION CONTROL DEVICES SHOWN ON THE EROSION CONTROL PLAN WHICH INTERFERE WITH THE WORK SHALL BE RELOCATED OR MODIFIED AS THE WORK PROGRESSES AS RECOMMENDED BY THE ENGINEER OF WORK AND AS APPROVED BY THE CITY ENGINEER.
6. ALL REMOVABLE PROTECTION DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5-DAY RAIN PROBABILITY FORECAST EXCEEDS 40-PERCENT.
7. EROSION CONTROL SYSTEMS SHALL BE SERVICED AND MAINTAINED TO PROVIDE CONTINUOUS CAPACITY AND ADEQUACY TO FUNCTION AS DESIGNED. AFTER PRECIPITATION EXCEEDING ONE-QUARTER (1/4) INCH IN ANY 12-HOUR PERIOD, OR UPON DIRECTION OF THE CITY ENGINEER, SILT AND DEBRIS SHALL BE REMOVED FROM CHECK DAMS AND DESILTING BASINS AND THE BASINS PUMPED DRY AND OTHERWISE RESTORED TO THE ORIGINAL DESIGN CONDITION.
8. DESILTING BASINS CONSTRUCTED OF COMPACTED EARTH SHALL BE COMPACTED TO A RELATIVE COMPACTION OF 90 PERCENT OF MAXIMUM DENSITY. A SOIL ENGINEERING REPORT INCLUDING THE TYPE OF FIELD TESTING PERFORMED, LOCATION, AND RESULTS OF TESTING SHALL BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL UPON COMPLETING THE DESILTING BASIN.
9. EROSION CONTROL PROVISIONS SHALL INCLUDE AND COMPLEMENT DRAINAGE PATTERNS DURING THE CURRENT AND FUTURE PHASES OF GRADING THROUGHOUT THE RAINY SEASON.
10. THE CONTRACTOR, PERMITTEE, OR PROJECT OWNER SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION. NECESSARY PRECAUTIONS MAY INCLUDE, BUT NOT BE LIMITED TO, APPROPRIATE PERIMETER FENCING OR A 24-HOUR GUARD PREVENTING UNAUTHORIZED PERSONS FROM ENTERING THE BASINS.
11. GRADED AREAS AROUND THE TRACT PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPES AT THE CONCLUSION OF EACH WORKING DAY.
12. PAVED STREETS, SIDEWALKS, AND OTHER IMPROVEMENTS SHALL BE MAINTAINED IN A NEAT AND CLEAN CONDITION, FREE OF LOOSE SOIL, CONSTRUCTION DEBRIS, AND TRASH. STREET SWEEPING OR OTHER EQUALLY EFFECTIVE MEANS SHALL BE USED ON A REGULAR BASIS TO CONTROL EROSION. WATERING SHALL NOT BE USED TO CLEAN STREETS EXCEPT FOR THE REMOVAL OF FINE MATERIAL NOT OTHERWISE REMOVED BY SWEEPING OR OTHER MECHANICAL MEANS.
13. STAND-BY CREWS SHALL BE ALERTED BY THE CONTRACTOR, PERMITTEE OR OWNER FOR EMERGENCY WORK DURING RAINSTORMS.
14. GRAVEL BAGS AND NECESSARY MATERIALS IN ACCORDANCE WITH THE APPROVED PLANS, SHALL BE AVAILABLE ONSITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES OR TO REPAIR ANY DAMAGED EROSION CONTROL MEASURES WHEN RAIN IS IMMINENT. A STAND-BY CREW SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON.
15. ALL UTILITY TRENCHES SHALL BE BACKFILLED WITHIN 24 HOURS AND MUST BE BACKFILLED BEFORE THE END OF THE WORKDAY IF A 40-PERCENT CHANCE OF RAIN IS PREDICTED.
16. A GRAVEL BAG SILT BASIN OR TRAP SHALL BE PROVIDED AT EVERY STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM.
17. A 12-INCH HIGH BY 4-FOOT WIDE BERM SHALL BE MAINTAINED ALONG THE TOP OF THE SLOPE OF THOSE FILLS ON WHICH GRADING IS NOT IN PROGRESS. CONCENTRATED WATER SHALL BE CARRIED NOT CLOSER THAN 10 FEET FROM THE TOP OF SLOPES.
18. ALL BUILDING PADS SHALL BE SLOPED TOWARDS THE DRIVEWAY AND VELOCITY CHECK DAMS PROVIDED AT THE BASE OF ALL DRIVEWAYS DRAINING INTO THE STREET. VELOCITY CHECK DAMS SHALL BE PROVIDED ACROSS THE OUTLETS OF ALL LOTS DRAINING INTO THE STREET.
19. PROVIDE VELOCITY CHECK DAMS IN ALL UNPAVED STREET AREAS AT THE INTERVALS INDICATED BELOW. VELOCITY CHECK DAMS MAY BE CONSTRUCTED OF GRAVEL BAGS, TIMBER, OR OTHER EROSION RESISTANT MATERIALS APPROVED BY THE CITY ENGINEER, AND SHALL EXTEND COMPLETELY ACROSS THE STREET AT RIGHT ANGLES TO THE CENTERLINE. EARTH DIKES MAY NOT BE USED AS VELOCITY CHECK DAMS. CHECK DAM INSTALLATION SHALL PROVIDE FOR THE PREVENTION OF EROSION AROUND THE ENDS OF THE DAM.
GRADE OF THE STREET INTERVAL
LESS THAN 2% AS REQUIRED
2% TO 4% 100 FEET
4% TO 10% 50 FEET
OVER 10% 25 FEET
20. ALL EROSION CONTROL PLANS MUST PROVIDE A 24-HOUR TELEPHONE NUMBER AND THE NAME(S) OF THE PERSON(S) RESPONSIBLE FOR EMERGENCY WORK. A TELEPHONE ANSWERING MACHINE OR ANSWERING SERVICE IS UNACCEPTABLE.

CONTACT _____ NAME _____ (AREA CODE) NUMBER _____



VICINITY MAP

"DECLARATION OF ENGINEER OF WORK"

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

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

ENGINEER _____ LICENSE NO. _____ DATE _____



APPROVED CHANGES:

NO.	DESCRIPTION	APP'D	DATE

CITY BENCHMARK:

Description: BASIS OF ELEVATION IS THE CITY OF VISTA POINT STATION NO. "V2024"
2" ALUMINUM CAP ON 5/8" REBAR, STAMPED "GPS CONTROL POINT 2024"
Location: LOCATED AT THE INTERSECTION OF THUNDER DRIVE AND GENIE DRIVE
Record From: R.O.S. 14023
Elev: 306.79 Datum: NGVD29

WORK TO BE DONE

THE PROJECT CONSISTS OF THE ADDITION OF 290 PARKING STALL TO THE WEST OF THE EXISTING PARKING LOT AT TRI-CITY MEDICAL CENTER. WORK WILL INCLUDE GRADING, ASPHALT PAVING, GENERAL LANDSCAPING, SIGHT LIGHTING, AND THE CONSTRUCTION OF A DECORATE CONCRETE MASONRY WALL (CMU) ON THE NORTH SIDE FOR SCREENING THE PROPOSED PARKING LOT FROM THE RESIDENTIAL NEIGHBORHOOD.

LEGEND :

ITEM	STD. DWG.	SYMBOL
DIRECTION OF FLOW		←
FIBER ROLLS	(CASQA SE-5)	FR
INLET PROTECTION	(CASQA SE-10)	⊙
GRAVEL BAG BERM	(CASQA SE-6)	▨
SILT FENCE	(CASQA SE-1)	— SF —
CONSTRUCTION ENTRANCE	(CASQA TC-1)	⊠

SHEET INDEX

EROSION CONTROL PLAN TITLE SHEET C-401
EROSION CONTROL PLAN C-411
EROSION CONTROL PLAN C-412

LEGAL DESCRIPTION

PARCEL 3 OF PARCEL MAP NO. 5632, IN THE CITY OF OCEANSIDE, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, FILED IN THE OFFICE OF THE COUNTY RECORDED OF SAN DIEGO COUNTY, MARK 2, 1977 AS INSTRUMENT NO. 77-077587, OF OFFICIAL RECORDS

SITE ADDRESS

TRI-CITY HOSPITAL
4002 VISTA WAY
OCEANSIDE CA
92056

A. P. N.

166-010-37
166-010-31

OWNER/PERMITEE

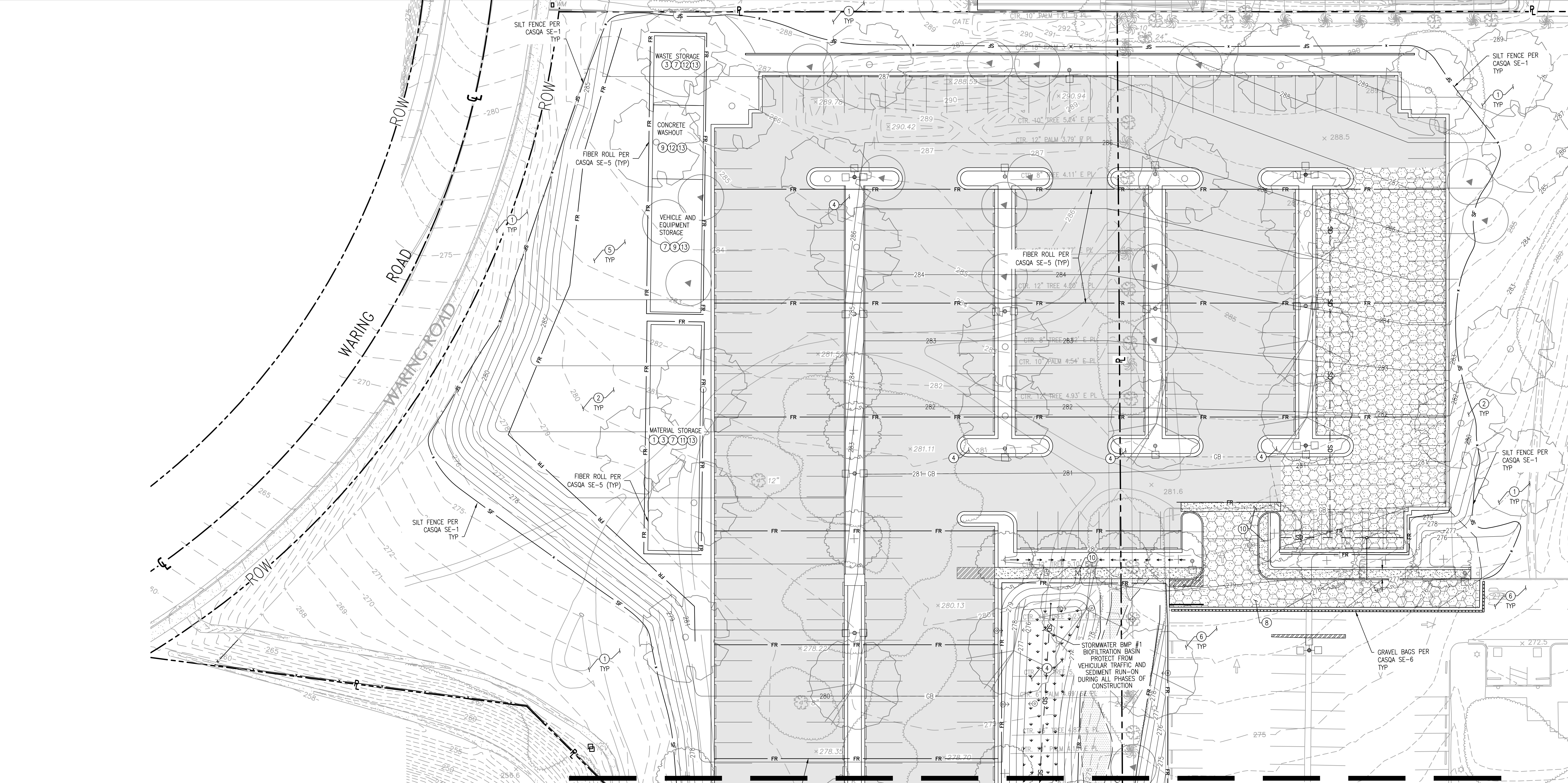
TRI-CITY HOSPITAL

ENGINEER

AMBROSE WONG
BWE CONSULTING
9449 BALBOA AVENUE, SUITE 270
SAN DIEGO, CA 92123
619.299.5550

WDID NO. _____ FILE NO. _____

SHEET 1	CITY OF OCEANSIDE ENGINEERING DIVISION	3 SHEETS
EROSION CONTROL TITLE SHEET FOR TRI-CITY SURFACE PARKING LOT		
APPROVED _____ CITY ENGINEER-STEVEN E. STRAPAC R.C.E. 57654 Date: _____		
ENGINEER OF WORK _____ Name: _____	Checked By: _____ Approval Date: _____	PLAN NUMBER C-401



EROSION & SEDIMENT CONTROL KEYNOTES (1)

- 1 PRESERVATION OF EXISTING VEGETATION (CASQA EC-2): PRESERVE VEGETATION TO THE MAXIMUM EXTENT PRACTICABLE
- 2 TEMPORARY SOIL BINDERS (CASQA EC-5), STRAW MULCH (CASQA EC-6), OR WOOD MULCH (CASQA EC-8): USED ON EXPOSED & DISTURBED SOIL SURFACES REQUIRING TEMPORARY STABILIZATION
- 3 GEOTEXTILES & MATS (CASQA EC-7): USE PLASTIC COVERS ON STOCKPILES AT THE END OF EACH WORK DAY, PRIOR TO AND DURING RAIN EVENTS. USE ON EXPOSED AND DISTURBED SOILS DURING RAIN EVENTS. MAY USE COMPOST BLANKETS (CASQA EC-14)
- 4 SOIL PREPARATION/ROUGHENING (CASQA EC-15): SOIL PREPARATION FOR VEGETATIVE ESTABLISHMENT IN CONJUNCTION WITH RECOMMENDED EROSION & SEDIMENT CONTROL BMPs. SOIL ROUGHENING ON ANY DISTURBED SLOPES OR SOIL STOCKPILES. DO NOT USE WITH EC-7
- 5 NON-VEGETATIVE STABILIZATION (CASQA EC-16): PLACE ON AREAS OF DISTURBED SOIL WHERE VEGETATION WILL NOT BE ESTABLISHED AND ON MATERIAL STOCKPILES REQUIRING STABILIZATION FROM WATER OR WIND EROSION
- 6 STREET SWEEPING & VACUUMING (CASQA WE-7): IMPLEMENT ANYWHERE SEDIMENT IS TRACKED FROM THE PROJECT SITE ONTO PUBLIC PAVED SURFACES, TYPICALLY AT POINTS OF INGRESS/EGRESS
- 7 WIND EROSION CONTROL (CASQA WE-1): IMPLEMENT AT SOIL STOCKPILES & AT ALL AREAS OF DISTURBED SOIL
- 8 PAVING & GRINDING OPERATIONS (CASQA NS-3): IMPLEMENT AT ALL LOCATIONS WHERE PAVING, SURFACING, SAWCUTTING, ETC MAY POLLUTE STORMWATER RUNOFF
- 9 VEHICLE & EQUIPMENT MAINTENANCE (CASQA NS-8, 9, & 10): VEHICLES & EQUIPMENT MAINTENANCE SHALL BE IN DESIGNATED CONTAINED AREAS ONLY
- 10 CONCRETE CURING (CASQA NS-12) & CONCRETE FINISHING (CASQA NS-13): IMPLEMENT AT ALL LOCATIONS WHERE CONCRETE IS USED
- 11 MATERIAL DELIVERY & STORAGE (CASQA WM-1) & STOCKPILE (CASQA WM-3) MANAGEMENT: SEGREGATE CONSTRUCTION MATERIALS IN BERMED/COVERED AREA
- 12 SOLID WASTE (CASQA WM-5), HAZARDOUS WASTE (CASQA WM-6), CONCRETE WASTE (CASQA WM-8), & SANITARY/SEPTIC WASTE (CASQA WM-9) MANAGEMENT: PLACE WASTE IN A COVERED AREA OR SECONDARY CONTAINMENT A MINIMUM OF 50' FROM DRAIN INLETS OR WATERCOURSES
- 13 AREA OF NON-DISTURBED SOIL ACTIVITIES WITH THE POTENTIAL TO IMPACT STORM WATER QUALITY (I.E. EXTERIOR PAINTING). IMPLEMENT MATERIAL USE (CASQA WM-2) & SPILL PREVENTION & CONTROL (CASQA WM-4).

EROSION & SEDIMENT CONTROL NOTES

1. CONTRACTOR WILL BE RESPONSIBLE FOR HIRING A QUALIFIED SWPPP PRACTITIONER (QSP) TO IMPLEMENT THE MONITORING AND OBSERVATIONS REQUIRED BY A RISK LEVEL 1 SWPPP REPORT
2. TEMPORARY EROSION CONTROL DEVICES SHOWN ON THE PLANS, WHICH INTERFERE WITH THE WORK, SHALL BE RELOCATED OR MODIFIED AS THE WORK PROGRESSES AS RECOMMENDED BY THE ENGINEER OF WORK & AS APPROVED BY THE QUALIFIED SWPPP PRACTITIONER (QSP).
3. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE ENGINEER OF WORK & QSP DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES WHICH MAY ARISE
4. THE CONTRACTOR SHALL STABILIZE ALL DISTURBED SOILS AS NECESSARY. ALL AREAS OF SOIL AND NON-SOIL DISTURBANCE SHALL BE STABILIZED DURING THE RAINY SEASON. GRADED AREAS SHALL BE STABILIZED WHEN NOT ACTIVELY IN USE.
5. EQUIPMENT & EMPLOYEES FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
6. THE CONTRACTOR SHALL IMPLEMENT WATER CONSERVATION (CASQA NS-1) & SPILL PREVENTION & CONTROL (CASQA WM-4) PRACTICES DURING WATER TRANSFER TO AREAS REQUIRING DUST CONTROL & COMPACTION. ANY POWER WASH WATER OR OTHER WASTE WATER FROM GROUTING, CUTTING, OR OTHER ACTIVITIES SHALL BE CAPTURED AND DISCHARGED TO THE SANITARY SEWER SYSTEM.
8. GRADED, DISTURBED, OR ERODED AREAS THAT WILL NOT BE PERMANENTLY PAVED, COVERED BY A STRUCTURE, OR PLANTED FOR A PERIOD OF OVER 14 DAYS SHALL BE TEMPORARILY RE-VEGETATED WITH A NON-IRRIGATED HYDROSEED MIX, GROUND COVER, OR EQUIVALENT MATERIAL PER CONSTRUCTION GENERAL PERMIT 2009-0009-DWO, ATTACHMENT C. APPLY HYDROSEED PER CASQA EC-4.

MATCHLINE - SEE SHEET C-112

APPROVED CHANGES:

NO.	DESCRIPTION	APP'VD	DATE

CITY BENCHMARK:

Description: BASIS OF ELEVATION IS THE CITY OF VISTA POINT STATION NO. "2024"
2" ALUMINUM CAP ON 5/8" REBAR, STAMPED "GPS CONTROL POINT 2024"
Location: LOCATED AT THE INTERSECTION OF THUNDER DRIVE AND GENIE DRIVE
Record From: R.O.S. 14023
Elev: 306.79 Datum: NGVD29

WDD NO. FILE NO.

SHEET 2	CITY OF OCEANSIDE ENGINEERING DIVISION	3 SHEETS
EROSION AND SEDIMENT CONTROL PLAN FOR TRI-CITY SURFACE PARKING LOT		
APPROVED CITY ENGINEER-STEVEN E. STRAPAC R.C.E. 57654 Date: _____		
ENGINEER OF WORK Sign: _____ Name: _____	Checked By: _____ Approval Date: _____	PLAN NUMBER C-411

MATCHLINE - SEE SHEET C-111

MATCHLINE - SEE SHEET C-111

EROSION & SEDIMENT CONTROL KEYNOTES

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APPROVED CHANGES:

NO.	DESCRIPTION	APP'VD	DATE

CITY BENCHMARK:

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2" ALUMINUM CAP ON 5/8" REBAR, STAMPED "GPS CONTROL POINT 2024"
Location: LOCATED AT THE INTERSECTION OF THUNDER DRIVE AND GENIE DRIVE
Record From: R.O.S. 14023
Elev: 306.79 Datum: NGVD29

WDID NO.

FILE NO.

SHEET 3	CITY OF OCEANSIDE ENGINEERING DIVISION	3 SHEETS
EROSION AND SEDIMENT CONTROL PLAN FOR TRI-CITY SURFACE PARKING LOT		
APPROVED CITY ENGINEER-STEVEN E. STRAPAC R.C.E. 57654 Date: _____		
ENGINEER OF WORK Sign: _____ Name: _____	Checked By: _____ Approval Date: _____	PLAN NUMBER C-412