EROSION CONTROL NOTES

STORM WATER AND EROSION CONTROL NOTES

- 1. TOTAL AREA OF LAND DISTURBANCE = ____ ACRES
- 2. THIS PROJECT IS SUBJECT TO ALL APPLICABLE GENERAL AND PROJECT SPECIFIC PROHIBITIONS AND REQUIREMENTS IN CHAPTERS 13.18 AND 17.56 OF THE VISTA MUNICIPAL CODE, AND THE CITY STORMWATER STANDARDS MANUAL.
- 3. BMPS AT MANNED FACILITIES MUST BE INSPECTED BY THE EROSION CONTROL CONTRACTOR BEFORE AND FOLLOWING PREDICTED RAIN EVENTS. BMPS AT UNMANNED FACILITIES MUST BE INSPECTED BY THE DISCHARGER REGULARLY DURING THE RAINY SEASON AND PERIODICALLY BETWEEN EACH RAINY SEASON. THESE BMPS MUST BE MAINTAINED SO THAT THEY CONTINUE TO FUNCTION AS DESIGNED. BMPS WHICH FAIL MUST BE REPAIRED AS SOON AS IT IS SAFE TO DO SO. IF THE FAILURE OF A BMP INDICATES THAT THE BMPS IN USE ARE INAPPROPRIATE OR INADEQUATE TO THE CIRCUMSTANCES, THE BMPS MUST BE MODIFIED OR UPGRADED TO PREVENT ANY FURTHER FAILURE IN THE SAME OR SIMILAR CIRCUMSTANCES.
- 4. 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 OF WHICH (INCLUDING AN INITIAL MOBILIZATION AMOUNT) SHALL BE CHARGED TO THE OWNER.
- 5. SEDIMENTATION BASINS MAY NOT BE REMOVED OR MADE INOPERATIVE WITHOUT PRIOR APPROVAL OF THE CITY ENGINEER.
- 6. 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.
- 7. ALL LOOSE SOIL AND DEBRIS SHALL BE REMOVED FROM THE STREET AREAS UPON STARTING OPERATIONS, AND PERIODICALLY THEREAFTER, AS DIRECTED BY THE INSPECTOR.
- 8. A 12-INCH HIGH BY 4-FOOT WIDE BERM SHALL BE MAINTAINED ALONG THE TOP OF SLOPE OF THOSE FILLS ON WHICH GRADING IS NOT IN PROGRESS. CONCENTRATED WATER SHALL NOT BE CARRIED WITHIN 10 FEET FROM THE TOP OF SLOPES.
- 9. STAND-BY CREWS SHALL BE ALERTED BY THE CONTRACTOR, PERMITTEE, OR OWNER FOR EMERGENCY WORK DURING RAINSTORMS.
- 10. ALL UTILITY TRENCHES SHALL BE BACKFILLED WITHIN 24 HOURS AND MUST BE BACKFILLED BEFORE THE END OF THE WORK DAY IF A 40% CHANCE OF RAIN IS PREDICTED.
- 11. 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 ONTO THE STREET.
- 12. PROVIDE VELOCITY CHECK DAMS IN ALL STREET AREAS, PAVED OR UNPAVED, 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 OR CHANNEL AT RIGHT ANGLES TO THE CENTERLINE. EARTHEN DIKES MAY NOT BE USED AS VELOCITY CHECK DAMS.

STREET GRADE
LESS THAN 2%
2% TO 4%
4% TO 10%
OVER 10%

CHECK DAM INTERVAL
AS REQUIRED
100 FEET
50 FEET
25 FEET

13. PROVIDE VELOCITY CHECK DAMS IN ALL UNPAVED GRADED CHANNELS AT THE INTERVALS INDICATED BELOW UNLESS CHANNELS ARE LINED WITH TEMPORARY MATERIALS SUCH AS PLASTIC SHEETING.

CHANNEL GRADE
LESS THAN 3%CHECK DAM INTERVAL
100 FEET3% TO 6%50 FEET

OVER 6%

14. A GRAVEL BAG SILT BASIN, OR SILT TRAP, SHALL BE PROVIDED AT EVERY STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM.

25 FEET

- 15. A GUARD SHALL BE POSTED ON SITE WHENEVER THE DEPTH OF WATER IN ANY DEVICE EXCEEDS TWO FEET.
- 16. ALL REMOVABLE PROTECTION DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5-DAY RAIN FORCAST PROBABLITY EXCEEDS 40%. AFTER EACH RAINSTORM EXCEEDING 1/4 INCH IN A 12 HOUR PERIOD, SILT AND DEBRIS SHALL BE REMOVED FROM CHECK DAMS AND DESILTING BASINS, AND BASINS SHALL BE PUMPED DRY.
- 17. EFFECTIVE PLANTING SHALL BE INSTALLED, FULLY GERMINATED, AND SHALL EFFECTIVELY COVER THE REQUIRED SLOPES PRIOR TO FINAL APPROVAL. THE PLANTING MIX SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION. SPRINKLER SYSTEMS ARE REQUIRED ON ALL SLOPES OVER FIVE FEET IN HEIGHT. TEMPORARY SPRINKLER SYSTEMS WILL BE REQUIRED ON ALL SLOPES UNTIL PLANTING IS ESTABLISHED, AND MAY NOT BE REMOVED WITHOUT PRIOR APPROVAL OF THE CITY ENGINEER.
- 18. GRAVEL BAGS AND NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE 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.
- 19. ANY PROPOSED ALTERNATE EROSION CONTROL MEASURES ARE TO BE RECOMMENDED BY THE ENGINEER OF WORK, FOR APPROVAL BY THE CITY ENGINEER, PRIOR TO INSTALLATION.
- 20. FROM OCTOBER 1ST THROUGH APRIL 30TH OF EACH YEAR, COV MUNICIPAL CODE, CHAPTER 17.56, REQUIRES THAT ALL DENUDED SLOPE FACES BE PROTECTED FROM EROSION, AND THAT ALL SEDIMENT BE KEPT ON SITE. THE USE OF INDUSTRY STANDARD SLOPE PROTECTION AND SEDIMENT CONTROL METHODS ARE REQUIRED TO BE IN PLACE AND MAINTAINED 24 HOURS A DAY/7 DAYS A WEEK.
- 21. MATERIALS AND WASTE WITH THE POTENTIAL TO POLLUTE URBAN RUN-OFF SHALL BE USED IN ACCORDANCE WITH LABEL DIRECTIONS AND SHALL BE STORED IN A MANNER THAT EITHER PREVENTS CONTACT WITH RAINFALL OR CONTAINS CONTAMINATED RUN-OFF FOR TREATMENT AND DISPOSAL.

EROSION CONTROL NOTES (cont'd.)

23. THE OWNER DESIGNATED 24—HOUR TELEPHONE NUMBER AND THE NAME(S) OF THE PERSON(S) RESPONSIBLE FOR EMERGENCY WORK APPEARS BELOW AND SHALL AT ALL TIMES BE POSTED IN A CONSPICUOUS PLACE ONSITE TO FACILITATE PUBLIC REPORTING OF PROBLEMS. (A TELEPHONE ANSWERING MACHINE OR ANSWERING SERVICE IS UNACCEPTABLE.)

_____ NAME

24 HOUR PHONE NUMBER

CONTRACTOR SHALL IMPLEMENT AND MAINTAIN ONSITE AT ALL TIMES A STORMWATER MANAGEMENT PLAN (SWMP) OR STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN CITY APPROVED FORMAT WHICH IS HEREBY INCORPORATED WITH THESE PLANS BY REFERENCE. SAID PLAN SHALL BE KEPT CURRENT AND REFLECTIVE OF CURRENT SITE CONDITIONS.

<u>HYDROSEED MIX ONE</u>

CONDITION: HIGH VISIBILITY, HIGHLY ORNAMENTAL AREAS (ADJACENT TO ROADWAYS, RESIDENTIAL SLOPES, PARK AREAS, ETC.). IN ADDITION, THIS MIX IS SUITED TO ALL SLOPE HEIGHTS. HOWEVER, DUE TO THE RELATIVELY SMALLER MATURE SIZE OF THE PLANT MATERIAL, IT IS ESPECIALLY SUITED TO SLOPES LESS THAN TEN FEET IN HEIGHT. IN THESE CONDITIONS, THE PLANT MATERIAL WILL NOT EXTEND MUCH BEYOND THE LIMITS OF THE SLOPE.

<u>APPLICATION RATE</u> NURSE CROP	<u>BOTANICAL NAME</u>
<i>3 LBS/ACRE</i>	LOBULARIA MARITIMA 'CARPET OF SNOW' (1
<i>3 LBS/ACRE</i>	LOBULARIA MARITIMA 'ROYAL CARPET' (2)
<i>3 LBS/ACRE</i>	ENCHOCHOLZIA CALIFORNICA
<i>3 LBS/ACRE</i>	LINUM GRANDIFLORUM 'RUBRUM'
PERENNIALS	
<i>9 LBS/ACRE</i>	ATRIPLEX SEMIBACCATA
<i>5 LBS/ACRE</i>	GAZANIA 'PIXIE DELIGHT' (3)
<i>6 LBS/ACRE</i>	LIMONIUM PEREZII
2 LBS/ACRE	OENOTHERA CHEIRANTHIFOLIA
SHRUBS/TREES	
<i>2 LBS/ACRE</i>	ACACIA SALIGNA
<i>3 LBS/ACRE</i>	MIMULUS PUNICEUS
<i>4 LBS/ACRE</i>	ENCELIA COLIFORNICA
<u>3 LBS/ACRE</u>	CISTUS CORSICUS

% MINIMUM PURITY OF SEED - 95

47 LBS/ACRE TOTAL

(1) CAN BE USED WITHOUT 'ROYAL CARPET' AT THE RATE OF 5 LBS/ACRE (2) CAN BE USED WITHOUT 'CARPET OF SNOW' AT THE RATE OF 5 LBS/ACRE (3) CAN BE SPECIFIED IN EITHER WHITE, ORANGE OR YELLOW, OR MIXED

HYDROSEED MIX TWO

CONDITION: MODERATE VISIBILITY (INTERIOR SLOPES OF COMMERCIAL AND INDUSTRIAL DEVELOPMENTS).

APPLICATION RATE NURSE CROP	BOTANICAL NAME
3 LBS/ACRE	LOBULARIA MARITIMA 'CARPET OF SNOW' (4)
3 LBS/ACRE	LOBULARIA MARITIMA 'ROYAL CARPET' (5)
3 LBS/ACRE	ENCHOCHOLZIA COLIFORNICA
2 LBS/ACRE	LINUM GRANDIFLORUM 'RUBRUM'
PERENNIALS	
14 LBS/ACRE	ERIGONUM FASICULATUM
8 LBA/ACRE	LOTUS SCOPARIUS
9 LBS/ACRE	ATRIPLEX SEMIBACCATA
7 LBS/ACRE	ATRIPLEX GLAUCA
<i>3 LBS/ACRE</i>	ARTEMISIA PYNOCEPHALA
SHRUBS/TREES	
2 LBS/ACRE	MIMULUS PUNICEUS
<i>3 LBS/ACRE</i>	ENCELIA COLIFORNICA
5 LBS/ACRE	VIQUIERA LACINLATA
2 LBS/ACRE	SALVIA CLEVELANDII
2 LBS/ACRE	SALVIA MELIFERA
67 LBS/ACRE TOTAL	

NOTE: FOR NON-IRRIGATED APPLICATION, INCREASE THE APPLICATION RATE BY 20% OF THE FOLLOWING SPECIES: ERIOGONUM FASICULATUM, ATRIPLEX GLAUCA, ATRIPLEX SEMIBACCATA, ENCELIA COLIFORNICA.

NON—IRRIGATED APPLICATION REQUIRES THE PRIOR APPROVAL OF THE PLANNING DEPARTMENT.

% MINIMUM PURITY OF SEED — 95

(4) CAN BE USED WITHOUT 'ROYAL CARPET' AT THE RATE OF 5 LBS/ACRE (5) CAN BE USED WITHOUT 'CARPET OF SNOW' AT THE RATE OF 5 LBS/ACRE

<u>HYDROSEED MIX THREE</u> CONDITION: LOW VISIBILITY, OPEN SPACE AREAS.

APPLICATION RATE
NURSE CROP

10 LBS/ACRE
3 LBS/ACRE
PERENNIALS

ATDIDLEY SEMIRACCATA

10 LBS/ACRE ATRIPLEX SEMIBACCATA
8 LBA/ACRE LOTUS SCOPARIUS
10 LBS/ACRE ATRIPLEX GLAUCA
8 LBS/ACRE ATRIPLEX CARNASCENE
2 LBS/ACRE HAPLOPAPPUS VENETUS
SHRUBS/TREES
3 LBS/ACRE MIMULUS PUNICEUS
3 LBS/ACRE ENCELIA COLIFORNICA

67 LBS/ACRE TOTAL

NOTE: FOR NON-IRRIGATED APPLICATION, INCREASE THE APPLICATION RATE BY 20% OF THE FOLLOWING SPECIES: ERIOGONUM FASICULATUM, ATRIPLEX GLAUCA,

VIQUIERA LACINLATA

BACCHARIS PILULARIS 'CONSANGUIENA'

NON—IRRIGATED APPLICATION REQUIRES THE PRIOR APPROVAL OF THE PLANNING DEPARTMENT.

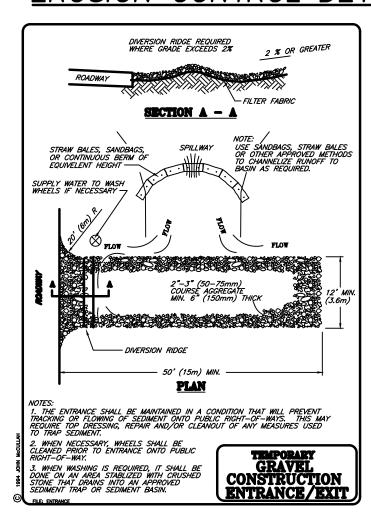
% MINIMUM PURITY OF SEED - 95

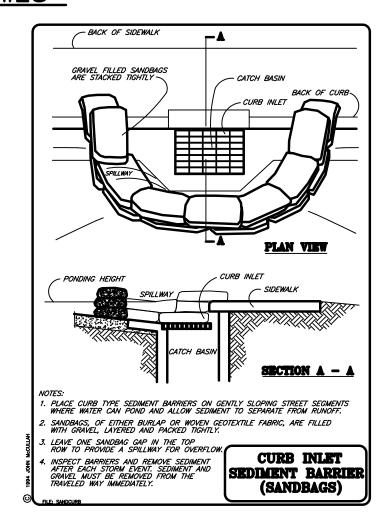
ATRIPLEX SEMIBACCATA, ENCELIA COLIFORNICA.

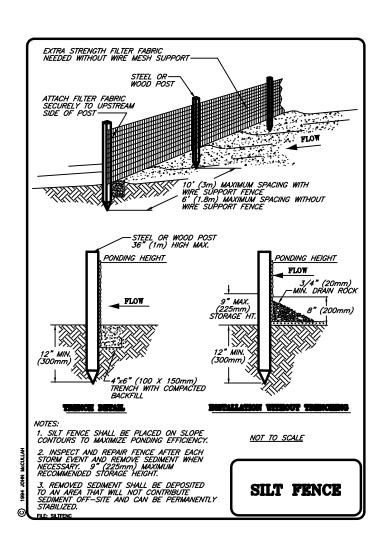
5 LBS/ACRE

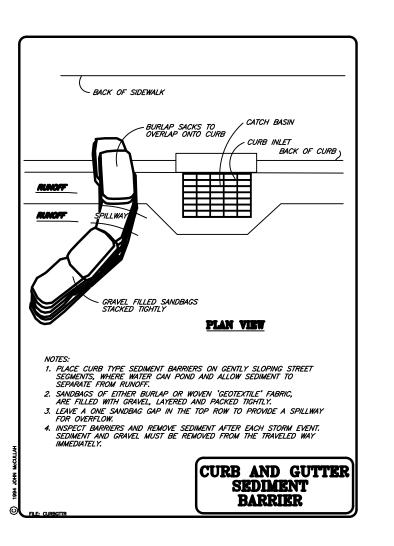
3 LBS/ACRE

EROSION CONTROL DETAILS









SITE DEVELOPMENT PLAN EXPIES: ______ THIS PLAN IS VALID FOR 2 YEARS FROM APPROVAL

STORMWATER

INSPECTION PRIORITY ______ WDID NO. ____

							ROUGH (AND/OR PRECISE) GRADING & EROSION/SEDIMENTATION CONTROL PLANS FOR:
							ADDRESS:
						/ \	APPROVED TO 100 (70 (00
)	FOR CITY ENGINEER 70128 9/30/20 DATE SHEET OF
						\ /	BENCH MARK:
DESCRIPTION	CITY	DATE	VID	DATE			GPXX-X

RCE EXP.LIC.DATE DATE

ENGINEER OF WORK

P.C.: LD# DWG#:

APPROVED CHANGES