VILLAGES AT STERLING RANCH COUNTY OF EL PASO, STATE OF COLORADO EARLY GRADING & EROSION CONTROL PLAN

GENERAL CONSTRUCTION NOTES:

- 1. THE LOCATION OF EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND MAY NOT INCLUDE ALL UTILITIES. THE EXCAVATION CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATED AND PRESERVE ANY AND ALL UTILITIES.
- 2. BEFORE COMMENCING ANY EXCAVATION, CALL 1-800-922-1987 FOR EXISTING UTILITY LOCATIONS.
- 3. THE CONTRACTOR WILL TAKE THE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES FROM DAMAGE DUE TO THIS OPERATION. ANY DAMAGE TO THE UTILITIES WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, AND ANY SERVICE DISRUPTION WILL BE SETTLED BY THE CONTRACTOR.
- 4. ALL BACKFILL, SUB-BASE AND/OR BASE COURSE (CLASS 6) MATERIAL SHALL BE COMPACTED TO THE SOILS ENGINEER'S RECOMMENDATIONS, AND APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (PCD).
- 5. ALL STATIONING IS CENTERLINE UNLESS OTHERWISE INDICATED. ALL ELEVATIONS ARE CENTERLINE UNLESS OTHERWISE INDICATED.
- 6. THE CONTRACTOR SHALL REVEGETATE ALL DISTURBED AREAS AS SOON AS POSSIBLE AND EROSION CONTROL SHALL BE INSTALLED AND MAINTAINED IN A FUNCTIONAL MANNER AT ALL TIMES. DEVELOPER RESPONSIBLE FOR MAINTAINING DISTURBED AREAS UNTIL REVEGETATION IS COMPLETE.
- 7. ALL DISTURBED PAVEMENT EDGES SHALL BE CUT TO NEAT LINES. REPAIR SHALL CONFORM TO THE EPC ECM APPENDIX K – 1.2C.
- 8. ADDITIONAL EROSION CONTROL STRUCTURES MAY BE REQUIRED AT THE TIME OF CONSTRUCTION.
- 9. BUILDING CONTRACTORS WILL BE RESPONSIBLE FOR CONSTRUCTING POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
- 10. ASPHALT THICKNESS AND BASE COURSE THICKNESS (COMPACTED) FOR ROADS SHALL BE PER DESIGN REPORT BY OWNER'S GEOTECHNICAL ENGINEER. OWNER'S GEOTECHNICAL ENGINEER TO BE ON SITE AT TIME OF ROAD CONSTRUCTION TO EVALUATE SOIL CONDITIONS AND DETERMINE IF ADDITIONAL MEASURES ARE NECESSARY TO ASSURE STABILITY OF THE NEW ROADS. PAVEMENT DESIGN SHALL BE APPROVED BY PLANNING AND COMMUNITY DEVELOPMENT PRIOR TO CONSTRUCTION.
- 11. THE CONTRACTOR SHALL REVEGETATE ALL DISTURBED AREAS WITHIN 21 DAYS OF SUBSTANTIAL GRADING COMPLETION. EROSION CONTROL SHALL BE INSTALLED AND MAINTAINED IN A FUNCTIONAL MANNER AT ALL TIMES. DEVELOPER IS RESPONSIBLE FOR MAINTAINING DISTURBED AREAS UNTIL REVEGETATION IS COMPLETE.
- 12. TYPE M RIP-RAP WITH 4" OF TYPE II GRANULAR BEDDING AND MIRAFI 180N OR EQUAL MAY BE SUBSTITUTED WHERE TYPE L RIP-RAP WITH MIRAFI FW 700 OR EQUAL IS SPECIFIED
- 13. ALL MATERIALS AND INSTALLATION PROCEDURES SHALL BE IN COMPLIANCE WITH ANY AND ALL APPLICABLE EL PASO COUNTY STANDARDS.
- 14. LOCATION OF THE CONCRETE WASHOUT, STORAGE FOR MAINTENANCE EQUIPMENT AND TEMPORARY DISPOSAL AREAS WILL BE ADDED TO THIS PLAN BY SWMP ADMINISTRATOR UPON COORDINATION WITH SELECTED CONTRACTOR.

BENCHMARKS:

- A. EAST 1/16TH CORNER OF SECTION 28, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPLE MERIDIAN LOCATED AT SOUTHEAST CORNER OF VOLLMER ROAD AND POCO ROAD APPROXIMATELY 50 FEET SOUTH OF THE CENTERLINE OF POCO ROAD. ELEVATION = 7211.95
- B. THE SOUTH LINE OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 28, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, BEING MONUMENTED AT THE WEST END WHICH IS THE SOUTHWEST CORNER OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 28, BY A 3-1/4" ALUMINUM SURVEYORS CAP STAMPED "ESI PLS 10376, 2006" AND AT THE EAST END, WHICH IS A 30' WITNESS CORNER TO THE EAST OF THE EAST QUARTER CORNER OF SAID SECTION 28, BY A 3-1/4" ALUMINUM SURVEYORS CAP STAMPED "ESI 10376, 2006", IS ASSUMED TO BEAR N89'08'28"E, A DISTANCE OF 1356.68 FEET.

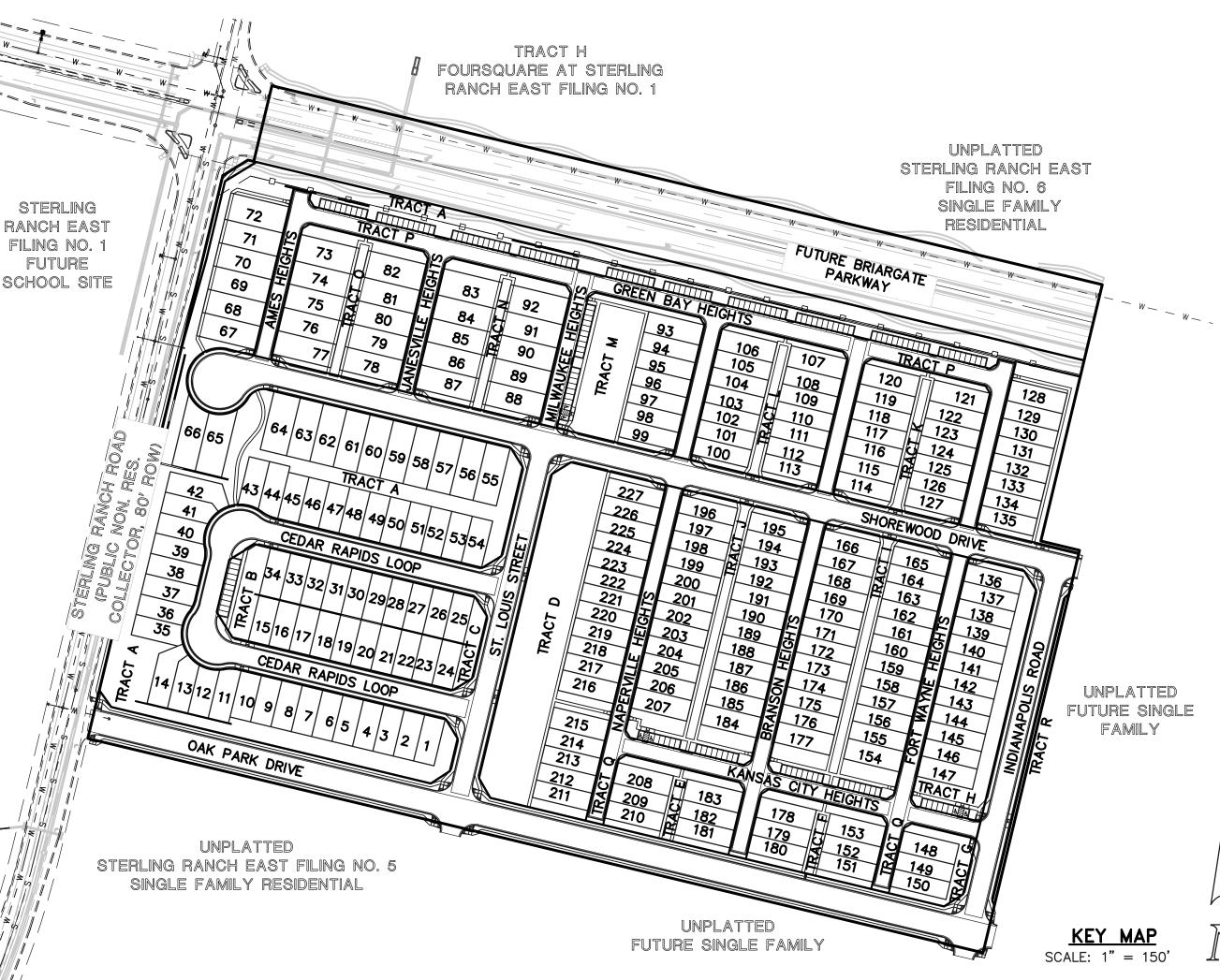
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NOVEMBER 2024

(SECTION 34, TOWNSHIP 12 SOUTH, RANGE 65 WEST)



SHEET INDEX

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EET	6	OF	6	GRADING	AND	EROSION	CONTROL	PLAN	DETAILS	

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS	NO. REVISION	DATE	REVIEW:
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UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW			CLASSIC CONSULTING ENGINEERS
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RVE ANY AND ALL UNDERGROUND UTILITIES.			

DEVELOPER:	CLASSIC SRJ LAND, LLC 2138 FLYING HORSE CLUB DR. COLORADO SPRINGS, CO 80921 MR. LOREN J. MORELAND (719) 592–9333
CIVIL ENGINEER:	CLASSIC CONSULTING ENGINEERS & SURVEYORS 619 N. CASCADE AVENUE, SUITE 200 COLORADO SPRINGS, CO 80903 MS. CATHY TESSIN, P.E. (719) 785–0790
COUNTY ENGINEERING:	EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPME 2880 INTERNATIONAL CIRCLE, SUITE 110 COLORADO SPRINGS, CO 80910 MR. CHARLENE DURHAM, (719) 520–7951
WATER & SANITATION DISTRICT:	FALCON AREA WATER AND WASTEWATER AUTHORITY
FIRE DISTRICT:	BLACK FOREST FIRE PROTECTION DISTRICT 11445 TEACHOUT ROAD COLORADO SPRINGS, CO 80908 CHIEF BRYAN JACK, (719) 495–4300
GAS COMPANY:	BLACK HILLS ENERGY 37 WIDEFIELD BOULEVARD WIDEFIELD, COLORADO 80911 MR. GEORGE M. PETERSON, (719) 392–3491
ELECTRIC COMPANY:	MOUNTAIN VIEW ELECTRIC P.O. BOX 1600 LIMON, COLORADO 80828 MR. LES ULFERS, (719) 495–2283
TELEPHONE COMPANY:	CENTURY LINK COMMUNICATIONS (LOCATORS) (800)-922-1987
	A.T.&T. (LOCATORS) (719) 635–3674

APPROVALS:

DESIGN ENGINEER'S STATEMENT: THIS GRADING AND EROSION CONTROL PLAN WAS PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR GRADING AND EROSION CONTROL PLANS. I ACCEPT THE RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARING THIS PLAN.

CATHERINE M. TESSIN, COLORADO P.E. #45004 FOR AND ON THE BEHALF OF CLASSIC CONSULTING ENGINEERS & SURVEYORS

OWNER/DEVELOPER'S STATEMENT:

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN.

LOREN J. MORELAND CLASSIC SRJ LAND, LLC 2138 FLYING HORSE CLUB DR. COLORADO SPRINGS, CO 80921

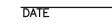
EL PASO COUNTY:

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT. FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE,

DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2 AND ENGINEERING CRITERIA MANUAL AS AMENDED.

IN ACCORDANCE WITH WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTOR'S DISCRETION.

COUNTY ENGINEER / ECM ADMINISTRATOR



DATE



MALE DISCINCTION STATE WATERS SHALL NOT CAUSE OR THREATEN TO CAUSE POLUTION, NIMATON, OR DEGRADATION OF STATE WATERS, ALL WORK AND LARTH DISTURBANCE SHALL BE COME IN A R THAT MININUES POLUTION OF ANY ON-STE OF OFT-STE WATERS, INCLUDING WETLANDS. NETADIONAL ANYTHING DEPORTED IN THESE FLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND RETAT MININUES POLUTION OF STATE WATERS, ALL WORK AND LARTH DISTURBANCE SHALL BE COME IN A RETATION RELIEFS POLUTION OF STATE WATERS, AND LARD DEPORTO, SHALL CONTROL SHALL DESIGN AND RETORN RELIEFS OFTIGE OR DRAINAGE AND BERROSING OFTIGE SHALL BE COMPLETED AND AN ENGINE WEITING INTO RELIEF OR DRAINAGE AND THE RELEVANT ADOPTED EL PASO COUNTY STANDAROS, NUCLIDING IND EVELOPUENT CODE, THE ENGINEERING GRITERIA MANUAL, THE DRAINAGE OR THEIRIA MANUAL, AND THE PROVED, IN WRITING. RARTE STORMWATER MANAGEMENT PLAN (SWMP) FOR THIS PROJECT SHALL BE COMPLETED AND AN ERGUSIAN AND WHERE OULLIVE CONTROL FREMIT (ESCO) ISSUED FOR TO COMMENCION CONSTRUCTION. MANAGEM OF MALE BURNE CONSTRUCTION IS THE RESPONSEDUITY OF THE DESIGNATED OULLIPED STORMWATER MANAGER OF MALE BURNE CONSTRUCTION IS THE RESPONSEDUITY OF THE DESIGNATED OULLIPED STORMWATER MANAGER OF MALE BURNE CONSTRUCTION IS THE RESPONSEDUITY OF THE DESIGNATED OULLIPED STORMWATER MANAGER OF MALE BURNE CONSTRUCTION AND A NOTICE TO PROCED THATE THE MEETING TIMES DURING CONSTRUCTION HALE BURNE CONSTRUCTION OF THE APPLICATION CONSTRUCTION ANA MALE AND A LOACE WITH THE ESCOPIES APPROVED AND A NOTICE TO PROCED THATE THAT COULD CONTRACTOR MAY INSTALL DURING CONSTRUCTION MEETING ADD A NOTICE TO PROCED THAT COUNTED AND THE RESTORMED THAT COULD CONTRACTOR NOTICE MEETING BE DISTALLED PROFE TO COMMENCE AND EL PROFE THAT COULD CONTRUCTION HALE BURNE AND DENTERY OF THE APPLICATE OF ACTIVITES THAT COULD CONTROL MEESING AND NETTING MEETING BE THE CONTRACTOR EXAMPLES AND THE RESTOR THAT COULD CONTROL HE SSOCH AS AND AND A NOTICE TO PROCED THE CONTRACTOR AND IN FERETORS IN THE DISTALT CONTROL MEASURES STALL SALESSES THAT ACOULD PROFE	 AND MAINTAINED U REMOVAL OF SILT REQUIRED ONCE IT FENCE. 6.) SOIL EROSION COM ANY DISTURBED L/ CALENDAR DAYS / BEEN COMPLETED. FINAL GRADE BUT ALSO BE MULCHED IS GOING TO REMA ALSO BE SEEDED. ALLOW ANOTHER / SEDIMENT FROM LE MEASURES AND BI CONTROL MEASURE 7.) ALL FACILITIES, VE FINAL GRADING, EF PROPERLY MAINTA MAINTENANCE SHA CONTROL FACILITIE EROSION DAMAGE GROWING CONDITIO PRACTICABLE. 8.) ALL SILT FENCES NEEDED. 9.) THE CONTRACTOR EACH ENTRANCE /E WHICH WILL ASSUF SITE. 10.) EROSION CONTROL AND REPAIRED 11.) CONTRACTOR SHA IN GOOD WORKING PLACE AND THE 12.) ADDITIONAL EROS OF CONSTRUCTION
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THE SITE IN THE FORM OF SURFACE RUNDER LINIESS AN APPROVED STATE DEWATERING PERMIT IS IN PLACE	13.) THE EROSION CON RESPONSIBILITY C
IN CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1.	AND REBUILD AS 14.) MAXIMUM ACREAG
ACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL ORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING AL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.	SEEDING GU
MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, S IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. CONTROL MEASURES MAY BE REQUIRED BY EL COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.	1. SEEDBED PREPAR
NG OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL CANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.	THAT THE SEED (STANDS OF WEED BY SHALLOW TILL BEEN OVER-COMF
NT, ŚOIL, AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE IS AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.	SHOULD BE TILLEI HARROWED, ROLLE
JANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT ITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON—SITE SHALL BE IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.	<u>2. FERTILIZER</u> FERTILIZER SHOUL NITROGEN PER AG THE TIME OF APP
EMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ONSITE S PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN NG APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.	THE TIME OF APP THE TIME OF SEE ON THE KIND OF
STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION TO CONTAIN ALL SPILLS ONSITE AND TO PREVENT PILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.	<u>3. SEEDING</u> SEED SHOULD BE (3:1) OR FLATTER SPREADER, OR BY TOO STEEP, OR N
RSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH VED SEDIMENT CONTROL MEASURES.	PLANTED WITH A 1/4 TO 3/4 INCH INCORPORATED IN
/DEVELOPER AND THEIR AGENTS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, E 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS OF THE LAND OPMENT CODE, DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE ACTOR PRIOR TO CONSTRUCTION (1041, NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CTS BETWEEN THESE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.	INCH, BY RAKING SEEDING IS FROM LATE FALL WILL F <u>4. MULCHING</u>
TO CONSTRUCTION THE PERMITTEE SHALL VERIEV THE LOCATION OF EXISTING UTILITIES	SEEDED AREAS S SURFACE COMPAC CONTROL INSECTS
ER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND SHALL BE UTILIZED AS REQUIRED	NATIVE HAY OR S POUNDS PER ACF GREATER THAN 3
HALL BE CONSIDERED A PART OF THESE PLANS.	5. SUPPLEMENTAL W IN LOW RAINFALL
	RAPID ESTABLISH SHOULD BE PERF SHOULD BE APPL RATE OF 3/4 TO DEFI-CIENT FOR
O DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT UALITY CONTROL DIVISION PERMITS ERRY CREEK DRIVE SOUTH CO 80246–1530	
	WHER/DEVELOPER SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, RNT, SOL, AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE WAND STORWATTER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT. UANITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL TO THAT TY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE D IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS. EMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED ON USED ONSITE SPERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN ING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED. STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION TO CONTAIN ALL SPLISS ONSITE AND TO PREVENT PHILED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FAGUINES. STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION TO CONTAIN ALL SPLISS ONSITE AND TO PREVENT PHILED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FAGUINES. RESON HALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH VED SEDIMENT CONTROL MEASURES. ('DEVELOPER AND THEIR AGENTS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT." (TITLE 25, E &, (RS), AND THE CLEAN WATER ACT. (33 USC 1344), IN ADDITION TO THE REQUIREMENTS OF THE LAND OPMENT CODE, DAN WATER AGENT SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT." (TITLE 25, E &, COROCE, DAN WATER ACT. (33 USC 1344), IN ADDITION TO THE REQUIREMENTS OF THE LAND DEDRITION TRAFFIC MUST ENTER/EXCENT ADD WITH ADDITION TO THE REQUIREMENTS OF THE LAND CICYS EDUING T

- 'INTERIM' STAGE OF CONSTRUCTION CONTROL MEASURES. 3. 'FINAL' CONSTRUCTION CONTROL MEASURES ARE STABILIZED/DEVELOPED LOTS, CONSTRUCTED ROADS,
- RE-SEEDED OPEN SPACE, AND CONSTRUCTED DETENTION PONDS. A PLAN IS NOT NEEDED FOR THE FINAL STAGE.

SION CONTROL CRITERIA:

N CONTROL MEASURES SHALL BE IMPLEMENTED IN A MANNER THAT WILL CT PROPERTIES AND PUBLIC FACILITIES FROM THE ADVERSE EFFECTS OF ON AND SEDIMENTATION AS A RESULT OF CONSTRUCTION AND EARTHWORK TIES WITHIN THE PROJECT SITE.

OMISSION FROM OR THE INCLUSION OF UTILITY LOCATIONS ON THE PLANS NOT TO BE CONSIDERED AS THE NON-EXISTENCE OF OR A DEFINITE CATION OF EXISTING UNDERGROUND UTILITIES.

RING GRADING OPERATIONS, LOCATE AND SET THE STRAW BALE CHECK MS AND SILT FENCES AS SHOWN ON THE EROSION CONTROL PLAN. AT THIS RESEED ALL DISTURBED AREAS WITH AN EL PASO COUNTY APPROVED ED MIX.

EDING APPLICATION: DRILLED TO A DEPTH OF .25" TO .50" INTO SOIL WHERE SSIBLE. BROADCAST AND RAKED TO COVER ON STEEPER THAN 3:1 SLOPES ERE ACCESS IS LIMITED OR UNSAFE FOR EQUIPMENT.

JLCHING REQUIREMENT AND APPLICATION: 1.5 TONS PER ACRE NATIVE HAY CHANICALLY CRIMPED INTO SOIL.

STRAW BALE CHECK DAMS AND SILT FENCES SHALL BE KEPT IN PLACE D MAINTAINED UNTIL EROSION AND SEDIMENTATION POTENTIAL IS MITIGATED. MOVAL OF SILT AND SEDIMENT COLLECTED BY THE STRAW BALES IS QUIRED ONCE IT REACHES HALF THE HEIGHT OF THE STRAW BALES OR SILT

EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR DISTURBED LAND AREA SHALL BE COMPLETED WITHIN TWENTY-ONE (21) LENDAR DAYS AFTER FINAL GRADING, OR FINAL EARTH DISTURBANCE, HAS EN COMPLETED. DISTURBED AREAS AND STOCKPILES WHICH ARE NOT AT AL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAT 30 DAYS SHALL SO BE MULCHED WITHIN 21 DAYS AFTER INTERIM GRADING. AN AREA THAT GOING TO REMAIN IN AN INTERIM STATE FOR MORE THAT 60 DAYS SHALL SO BE SEEDED. ON A CASE-BY-CASE BASIS, THE MS4 PERMITTEE MAY LOW ANOTHER APPROPRIATE BMP TO BE IN PLACE THAT PREVENTS DIMENT FROM LEAVING THE SITE. ALL TEMPORARY SORIL EROSION CONTROL ASURES AND BMPS SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION NTROL MEASURES ARE IMPLEMENTED.

FACILITIES, VEGETATION AND OTHER ITEMS REQUIRED BY THE APPROVED AL GRADING, EROSION CONTROL AND RECLAMATION PLAN SHALL BE OPERLY MAINTAINED BY THE OWNERS OF THE PROPERTY. SUCH INTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO KEEPING ALL EROSION NTROL FACILITIES IN GOOD ORDER AND FUNCTIONAL, REPAIRING ANY OSION DAMAGE THAT OCCURS, KEEPING ALL VEGETATION HEALTHY AND IN OWING CONDITION AND REPLACING ANY DEAD VEGETATION AS SOON AS RACTICABLE.

SILT FENCES ARE TO BE REGULARLY INSPECTED AND REPAIRED AS EDED.

CONTRACTOR SHALL PROVIDE VEHICLE TRACKING CONTROL FACILITIES FOR CH ENTRANCE/EXIT TO THE SITE. THE CONTRACTOR SHALL SUBMIT A PLAN IICH WILL ASSURE USAGE OF THIS FACILITY BY ALL VEHICLES LEAVING THE

ROSION CONTROL MEASURES SHALL BE CHECKED AFTER EACH STORM EVENT ND REPAIRED WHEN NECESSARY.

ONTRACTOR SHALL MAINTAIN ALL TEMPORARY EROSION CONTROL FACILITIES I GOOD WORKING ORDER UNTIL SUCH TIME AS PERMANENT FACILITIES ARE IN LACE AND THE CONSTRUCTION MANAGER HAS APPROVED THEIR REMOVAL. DDITIONAL EROSION CONTROL STRUCTURES MAY BE REQUIRED AT THE TIME

E EROSION CONTROL MEASURES OUTLINED ON THE PLAN ARE THE SPONSIBILITY OF THE DEVELOPER TO MONITOR AND REPLACE, REGRADE ND REBUILD AS NECESSARY UNTIL VEGETATION IS ESTABLISHED.

AXIMUM ACREAGE OPEN AT ANY GIVEN TIME IS TO BE 30 ACRES.

EDING GUIDELINES:

EEDBED PREPARATION

HE SEEDBED SHOULD BE WELL-SETTLED AND FIRM, BUT FRIABLE ENOUGH IAT THE SEED CAN BE PLACED AT THE SPECIFIED DEPTHS. COMPETITIVE TANDS OF WEEDS THAT ARE PRESENT BEFORE SEEDING MUST BE CONTROLLED SHALLOW TILLAGE OR BY APPLICATION OF HERBICIDES. SOILS THAT HAVE EEN OVER-COMPACTED BY TRAFFIC OR EQUIPMENT, ESPECIALLY WHEN WET, HOULD BE TILLED TO BREAK UP ROOTING-RESTRICTIVE LAYERS, THAN ARROWED, ROLLED, OR PACKED TO PREPARE THE REQUIRED FIRM SEEDBED.

<u>ERTILIZER</u>

ERTILIZER SHOULD BE APPLIED AT A RATE OF 50 POUNDS OF AVAIL-ABLE TROGEN PER ACRE AND 40 POUNDS OF AVAILABLE PHOSPHATE PER ACRE. E TIME OF APPLICATION SHOULD BE IMMEDIATELY PRIOR TO SEEDING, AT E TIME OF SEEDING. OR IMMEDIATELY FOL-LOWING SEEDING, DEPENDING THE KIND OF FERTILIZER AND TYPE OF EQUIPMENT USED.

<u>EEDING</u>

EED SHOULD BE PLANTED WITH A GRASS DRILL ON ALL SLOPES OF 33% 3:1) OR FLATTER. SEED MAY BE BROADCAST BY HAND, BY MECHANICAL PREADER, OR BY HYDRAULIC EQUIPMENT ON AREAS THAT ARE SMALL, OO STEEP, OR NOT ACCESSIBLE FOR SEED DRILL OPERATIONS. SEED ANTED WITH A DRILL SHOULD BE COVERED WITH SOIL TO A DEPTH OF /4 TO 3/4 INCH. SEED PLANTED BY THE BROADCAST METHOD SHALL BE CORPORATED INTO THE SOIL SURFACE, NOT TO EXCEED A DEPTH OF 3/4 CH, BY RAKING, HARROWING, OR OTHER PROVEN METHOD. THE TIME OF EEDING IS FROM OCTOBER 15TH - MAY 31ST. SEED PLANTED IN THE ATE FALL WILL REMAIN DORMANT UNTIL SPRING, WHEN IT WILL GERMINATE.

<u>ULCHING</u>

EEDED AREAS SHOULD BE MULCHED TO CONSERVE MOISTURE; PREVENT URFACE COMPACTION OR CRUSTING; REDUCE RUNOFF AND EROSION; ONTROL INSECTS; AND HELP ESTABLISH PLANT COVER.

ATIVE HAY OR STRAW SHOULD BE APPLIED AT A RATE OF 4,000 OUNDS PER ACRE AND CRIMPED INTO THE GROUND. ON SLOPES REATER THAN 3:1, AN AGRONOMY BLANKET SHOULD BE USED.

JPPLEMENTAL WATER

LOW RAINFALL AREAS, WHERE WATER IS AVAILABLE AND WHERE APID ESTABLISHMENT IS NEEDED, IRRIGATION OF NEW SEEDING HOULD BE PERFORMED DURING THE FIRST GROWING SEASON. WATER HOULD BE APPLIED AT APPROXIMATELY ONE WEEK INTERVALS, AT A ATE OF 3/4 TO 1 INCH PER APPLICATION, WHEN RAINFALL IS EFI-CIENT FOR PLANT DEVELOPMENT.

NOTES:

AT LEAST TEN DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB 1 ACRE OR MORE, THE OWNER OR OPERATOR OF THE CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A STORMWATER MANAGEMENT PLAN (SWMP), OF WHICH THIS GRADING AND EROSION CONTROL PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT WATER QUALITY CONTROL DIVISION WQCD - PERMITS 4300 CHERRY CREEK DRIVE SOUTH

DENVER, CO 80246-1530 ATTN: PERMITS UNIT

NO PORTIONS OF VILLAGES AT STERLING RANCH ARE LOCATED WITHIN A FLOODPLAIN AS DETERMINED BY THE FLOOD INSURANCE RATE MAPS (F.I.R.M.) MAP NUMBERS 08041C 0533G, EFFECTIVE DATE, DECEMBER 7, 2018

THE AVERAGE SOIL CONDITION REFLECTS HYDROLOGIC SOIL GROUP "A", BLAKELAND LOAMY SAND AND COLUMBINE GRAVELLY SANDY LOAM AS DETERMINED BY THE "SOIL SURVEY OF EL PASO COUNTY AREA" PREPARED BY THE U.S. SOIL CONSERVATION SERVICE.

EXISTING VEGETATION CONSISTS OF NATIVE GRASSES.

EMERGENCY OVERFLOW SWALES FOR INLETS IN THE INTERIM UNTIL CURB AND ASPHALT IS INSTALLED WILL BE THE LOTS, FINAL WILL BE TO OVERTOP THE HIGH POINT IN ROADWAY TO THE NEXT AVAILABLE INLET OR TO PROPOSED POND.

STOCKPILE LOCATIONS FOR HOMEBUILDING TO BE ON EACH INDIVIDUAL LOT THAT IS BEING BUILT UPON.

LIMITS OF DISTURBANCE FOR THIS PLAN INCLUDE UTILITY INSTALLATION AND ROADWAY CONSTRUCTION WITHIN THE R.O.W., AND OVERLOT GRADING FOR DEVELOPMENT THEN INDIVIDUAL LOTS FOR HOMEBUILDING ONCE CONSTRUCTION OF THE HOME BEGINS.

GRADING WITHIN THIS PHASE WILL BE FULLY DEVELOPED WITH HOME BUILDING OPERATIONS.

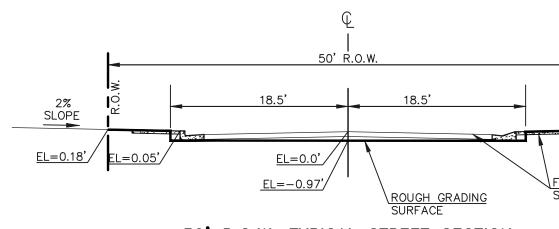
LOCATION OF THE CONCRETE WASHOUT. STORAGE FOR MAINTENANCE EQUIPMENT AND TEMPORARY DISPOSAL AREAS WILL BE ADDED TO THIS PLAN BY SWMP ADMINISTRATOR UPON COORDINATION WITH SELECTED CONTRACTOR.

ALL AREAS ARE TO BE RESEEDED OUTSIDE OF THE VILLAGES AT STERLING RANCH AREA. RESEED ALL AREAS AS NEEDED TO PREVENT EROSION AND SEDIMENT RUNOFF ONTO CONSTRUCTION ACTIVITIES.

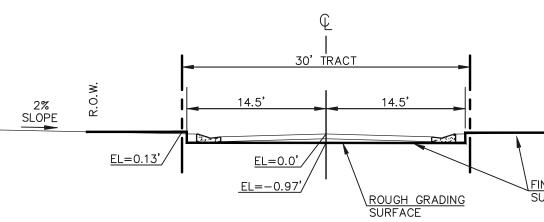
SCHEDULE OF ANTICIPATED CONSTRUCTION ACTIVITY:

1. INSTALL INITIAL BMP'S 2. INSPECTION OF INTIAL BMP'S BY COUNTY STAFF 3. PRECONSTRUCTION MEETING WITH COUNTY STAFF

BEGIN CONSTRUCTION	ACTIVITY	<u>COMPLETION</u>	EROSI
UPON APPROVAL	ALL SITE ROADWAY	6 MONTHS	ALL
	GRADING AND UTILITY		GRAI
	INSTALLATION		•••••



50' R.O.W. TYPICAL STREET SECTION HOLD-DOWN OVERLOT GRADING IN ROADWAYS SCALE 1" = 10'



30' PRIVATE ROAD TRACT TYPICAL STREET SECTION HOLD-DOWN OVERLOT GRADING IN ROADWAYS SCALE 1'' = 10'

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS	NO. REVISION	DATE	REVIEW:
811 UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW			PREPARED UNDER MY DIRECT SU CLASSIC CONSULTING ENGINEERS
THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH			
MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.			CATHERINE M. TESSIN, COLORADO

ION CONTROL SHOWN ON DING PLAN

2% SLOPE FINISHED ROAD

2% SLOPE

<u>FINISHED ROAD</u>



PCD FILE # PUDSP226

TSB	TEMPORARY SEDIMENT BASIN	CCM PHASING (INSTALLED DURING INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM PHASE)	
SF	SILT FENCE	(INSTALL PRIOR TO INITIAL PHASE WITH CONTINUED MAINTENANCE DURING INTERIM AND VERTICAL PHASES)	<u>s - </u>
	SEDIMENT CONTROL LOG	(INSTALLED DURING INTERIM PHASE ——— WITH CONTINUED MAINTENANCE DURING INTERIM AND VERTICAL PHASES)	
VTC	VEHICLE TRACKING CONTROL -	(INSTALL PRIOR TO INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM, VERTICAL PHASE OR SITE PAVIN	
ECB	EROSION CONTROL BLANKET	(INSTALL AS NEEDED ON SLOPES 3:1 OR GREATER DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)	
MU	MULCHING	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)	
TS	TEMPORARY -	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)	
CWA	CONCRETE	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)	1
SP	STOCKPILE -	(INSTALL DURING INTERIM PHASE —— WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)	1012
SSA	STABILIZED	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)	
RS	ROCK SOCK	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)	UNPLATTEC
ED /DS	EARTH	(INSTALL DURING INTERIM PHASE —— WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)	

CONCRETE WASHOUT AREA, MULCHING, SEEDING, STABLIZED STAGING AREA, AND STOCKPILE MANAGEMENT TO BE DETERMINED BY THE CONTRACTOR

NOTES:

THERE WILL BE NO ASPHALT, CONCRETE BATCH PLANTS AND MASONRY MIX STATIONS ON THIS SITE.

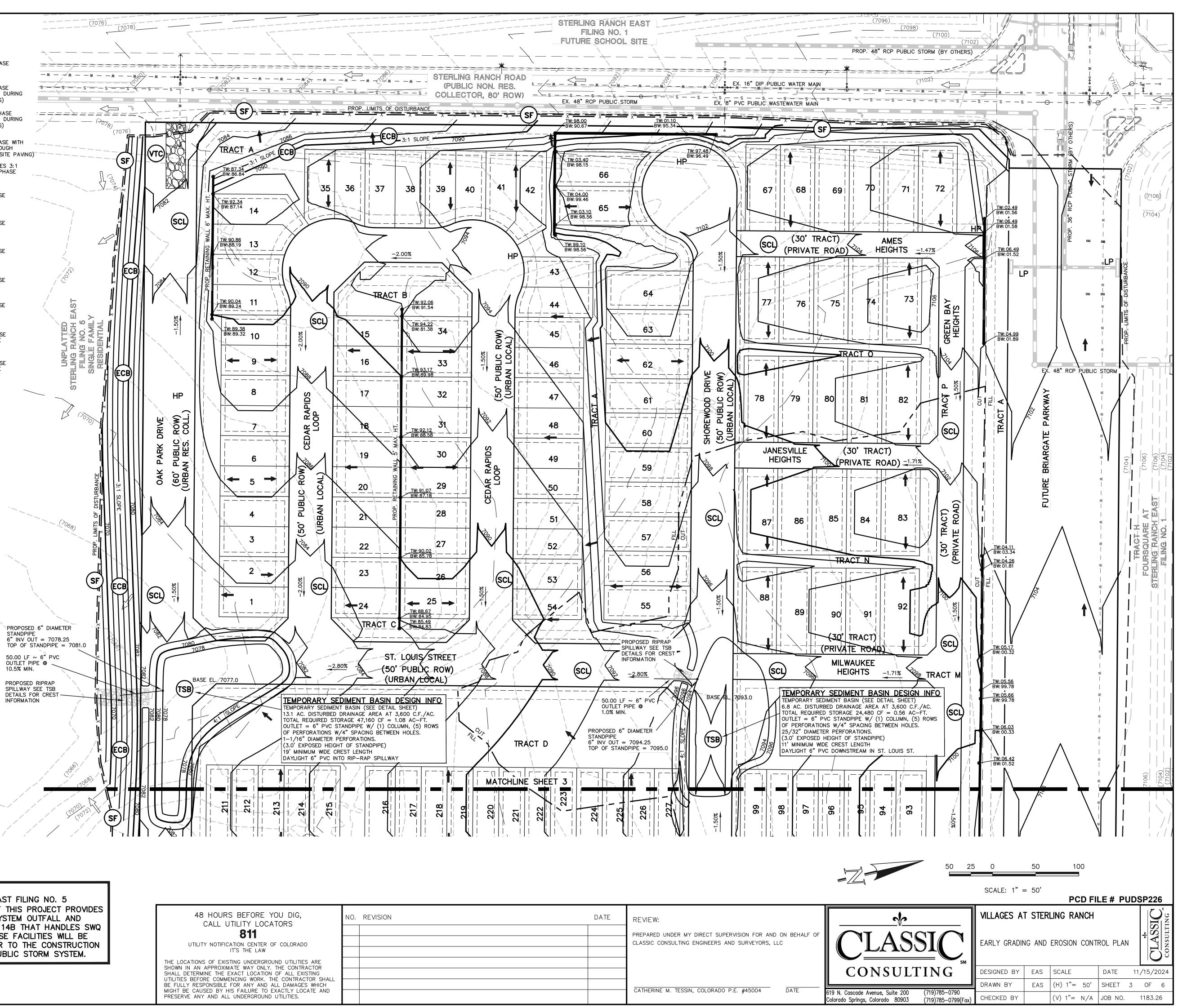
NOTES:

THE SITE HAS BEEN PREVIOUSLY DISTURBED WITH MASS GRADING OPERATIONS AND VEGETATION IS SPARSE AND OF NATURAL GRASSLAND CONSISTENCY (NO TREES OR SHRUBS).

<u>LEGEND</u>

(7700) 7700
HP LP

EXISTING CONTOUR PROPOSED CONTOUR PROPOSED LIMITS OF GRADING/ CONSTRUCTION SITE BOUNDARY BOUNDARY/R.O.W. LINE EXISTING FLOW DIRECTION PROPOSED FLOW PROPOSED INLET PROPOSED STORM SEWER PIPE PROPOSED HIGH POINT PROPOSED LOW POINT



NOTE: STERLING RANCH EAST FILING NO. 5 (SF2430) SOUTH OF THIS PROJECT PROVIDES À PUBLIC STORM SYSTEM OUTFALL AND PRIVATE FSD POND 14B THAT HANDLES SWQ FOR THIS SITE. THESE FACILITIES WILL BE CONSTRUCTED PRIOR TO THE CONSTRUCTION OF THE ON-SITE PUBLIC STORM SYSTEM.

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS	NO.	REVISION	DATE	REVIEW:
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UTILITY NOTIFICATION CENTER OF COLORADO				CLASSIC CONSULTING ENGINEERS
IT'S THE LAW				
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HP LP
7700
(7700)

_	EXISTING CONTOUR
-	PROPOSED CONTOUR
	PROPOSED LIMITS OF GRADING/ CONSTRUCTION SITE BOUNDARY
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			CCM PHASING
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	SEDIMENT CONTROL LOG		(INSTALLED DURING INTERIM PHASE WITH CONTINUED MAINTENANCE DURING INTERIM AND VERTICAL PHASES)
VTC	VEHICLE TRACKING	CONTROL -	(INSTALL PRIOR TO INITIAL PHASE WIT CONTINUED MAINTENANCE THROUGH INTERIM, VERTICAL PHASE OR SITE PA
ECB	EROSION CONTROL	BLANKET	(INSTALL AS NEEDED ON SLOPES 3:1 OR GREATER DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)
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TS	TEMPORARY SEEDING		(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)
CWA	CONCRETE WASHOUT AREA		(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)
SP	STOCKPILE MANAGEMENT		(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)
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RS	ROCK SOCK	•	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)
ED /DS	EARTH DIKE/DRAINAGE		(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)

- (60' PUBLIC - (URBAN RES. ROW) ECB \leq SF PROPOSED 6" DIAMETER STANDPIPE 6" INV OUT = 7080.25 TOP OF STANDPIPE = 7083.0 50.00 LF ~ 6" PVC OUTLET PIPE @ 10.5% MIN. PROPOSED RIPRAP SPILLWAY SEE TSB DETAILS FOR CREST -INFORMATION \leq SCL (SF) VING) (SF $\overline{}$

(SF)

OAK

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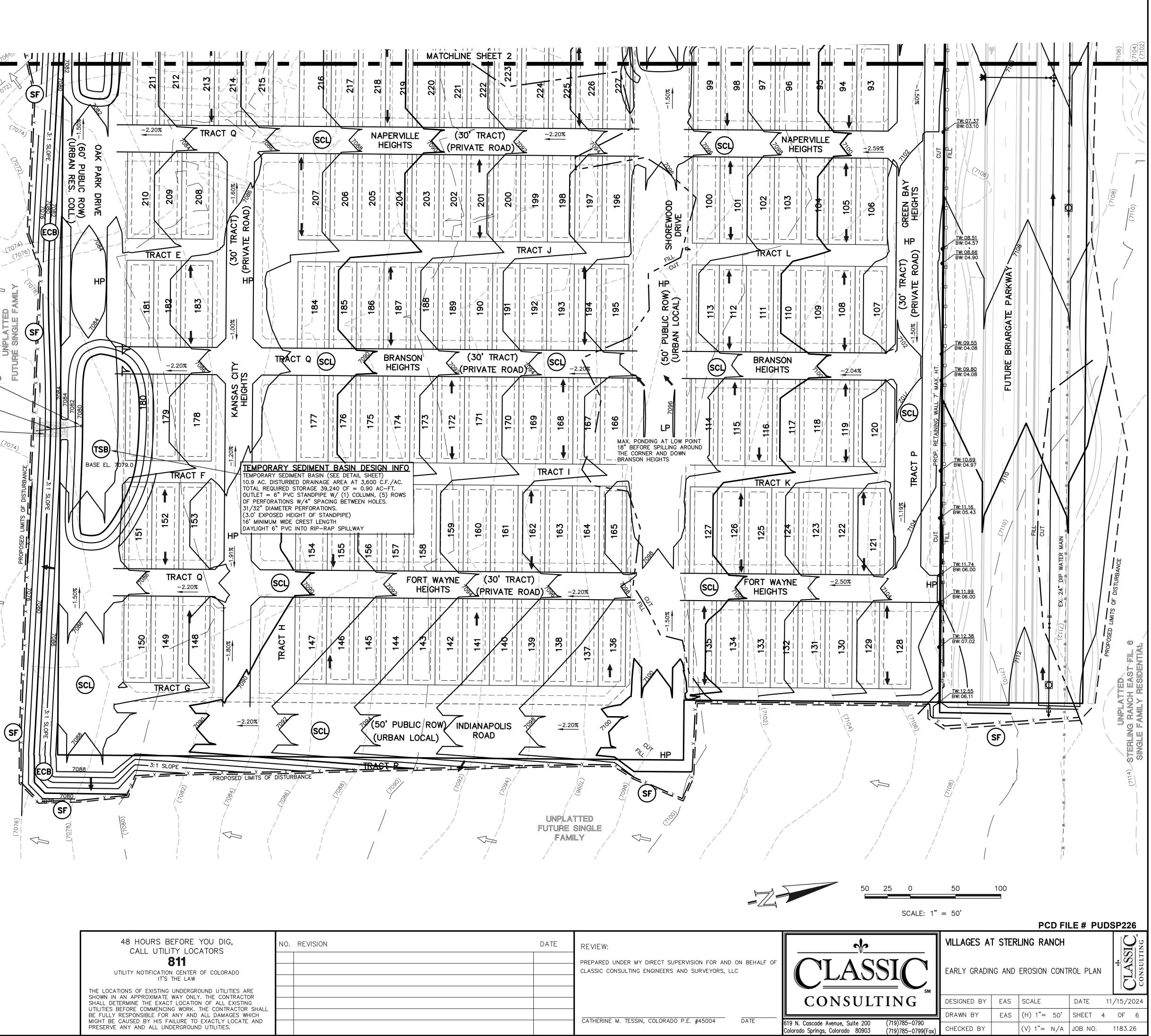
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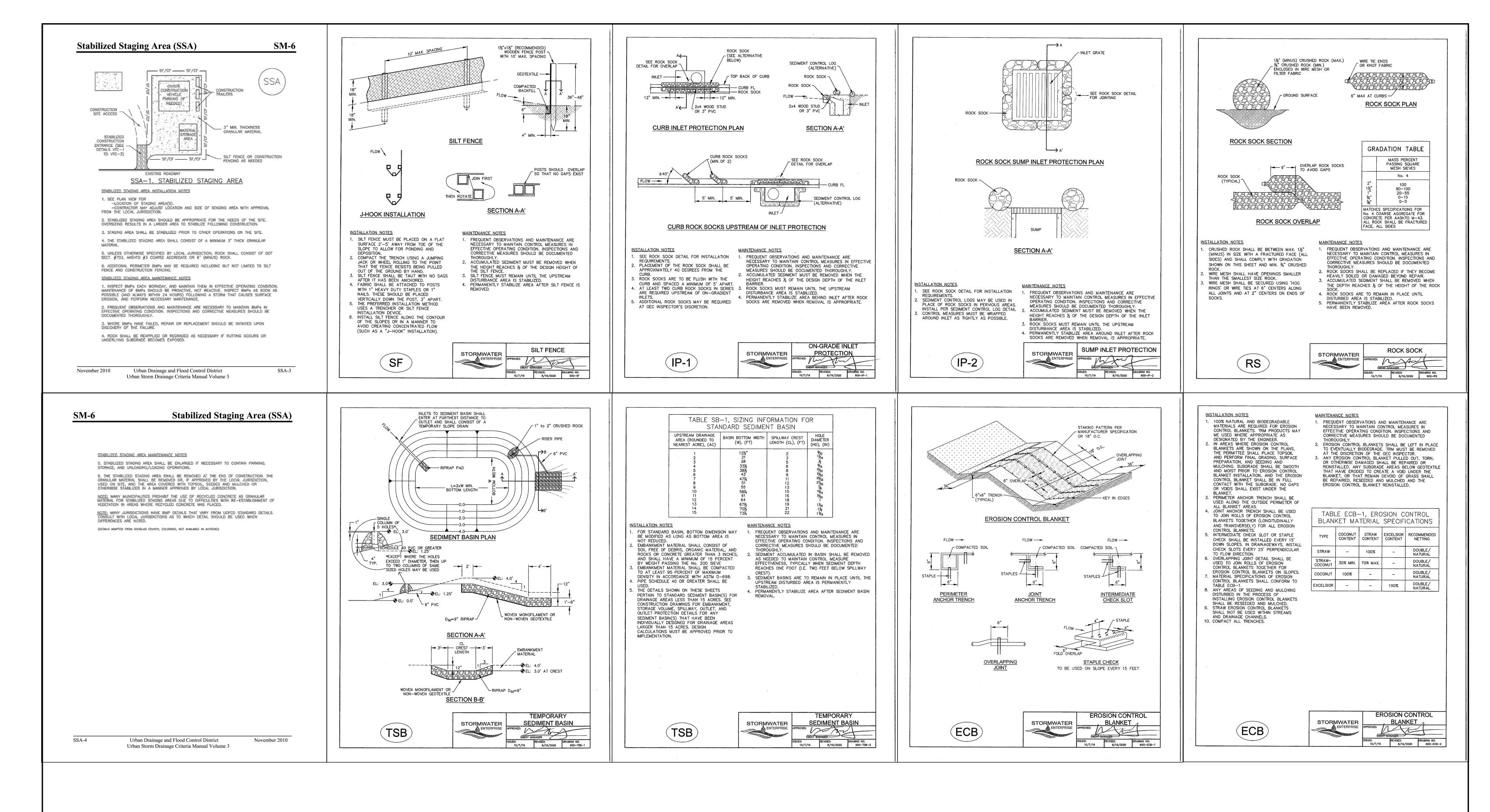
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CONCRETE WASHOUT AREA, MULCHING, SEEDING, STABLIZED STAGING AREA, AND STOCKPILE MANAGEMENT TO BE DETERMINED BY THE CONTRACTOR

SWALE

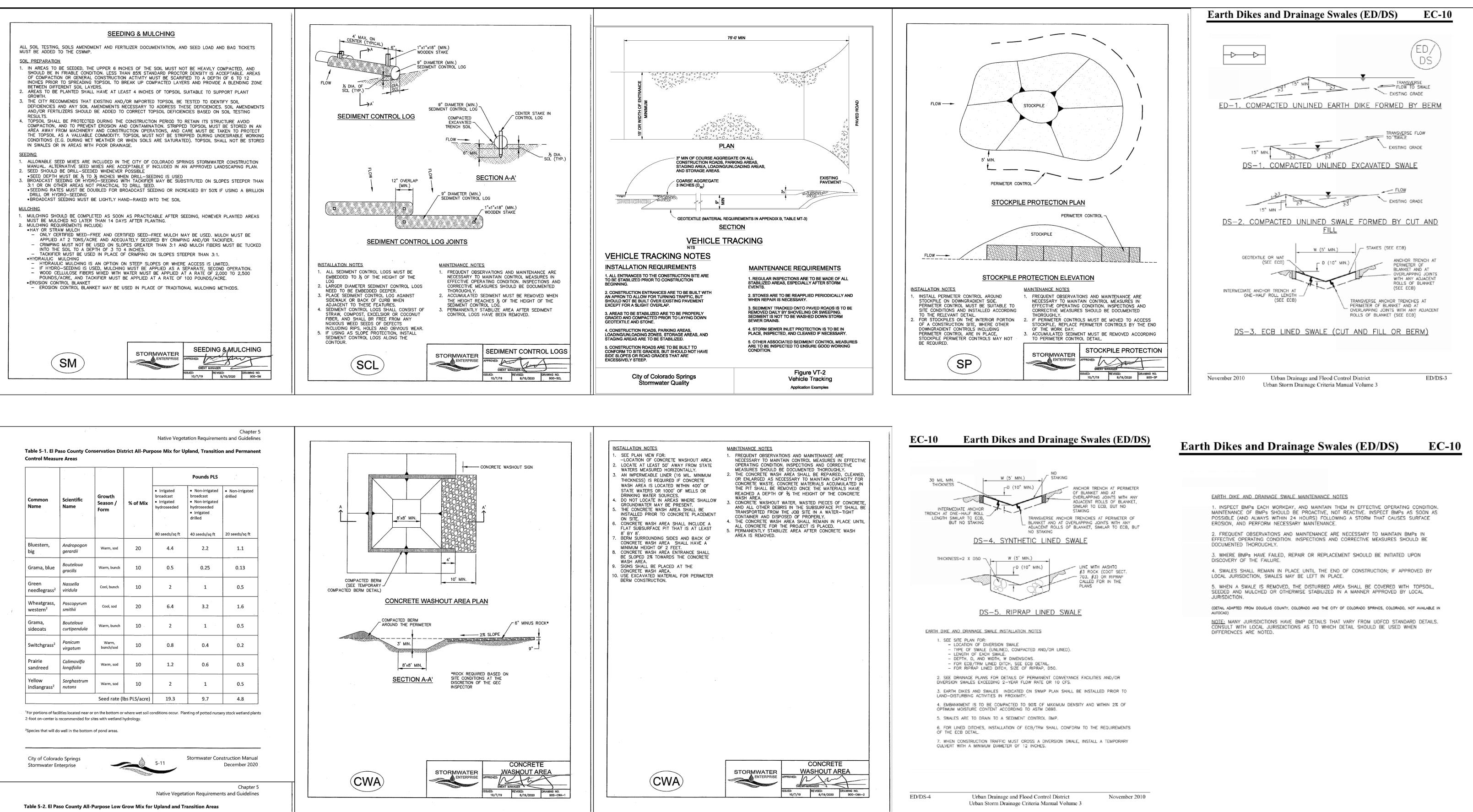


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			CLASSIC CONSULTING ENGINEERS
			CATHERINE M. TESSIN, COLORAD
	NO.	NO. REVISION	NO. REVISION DATE

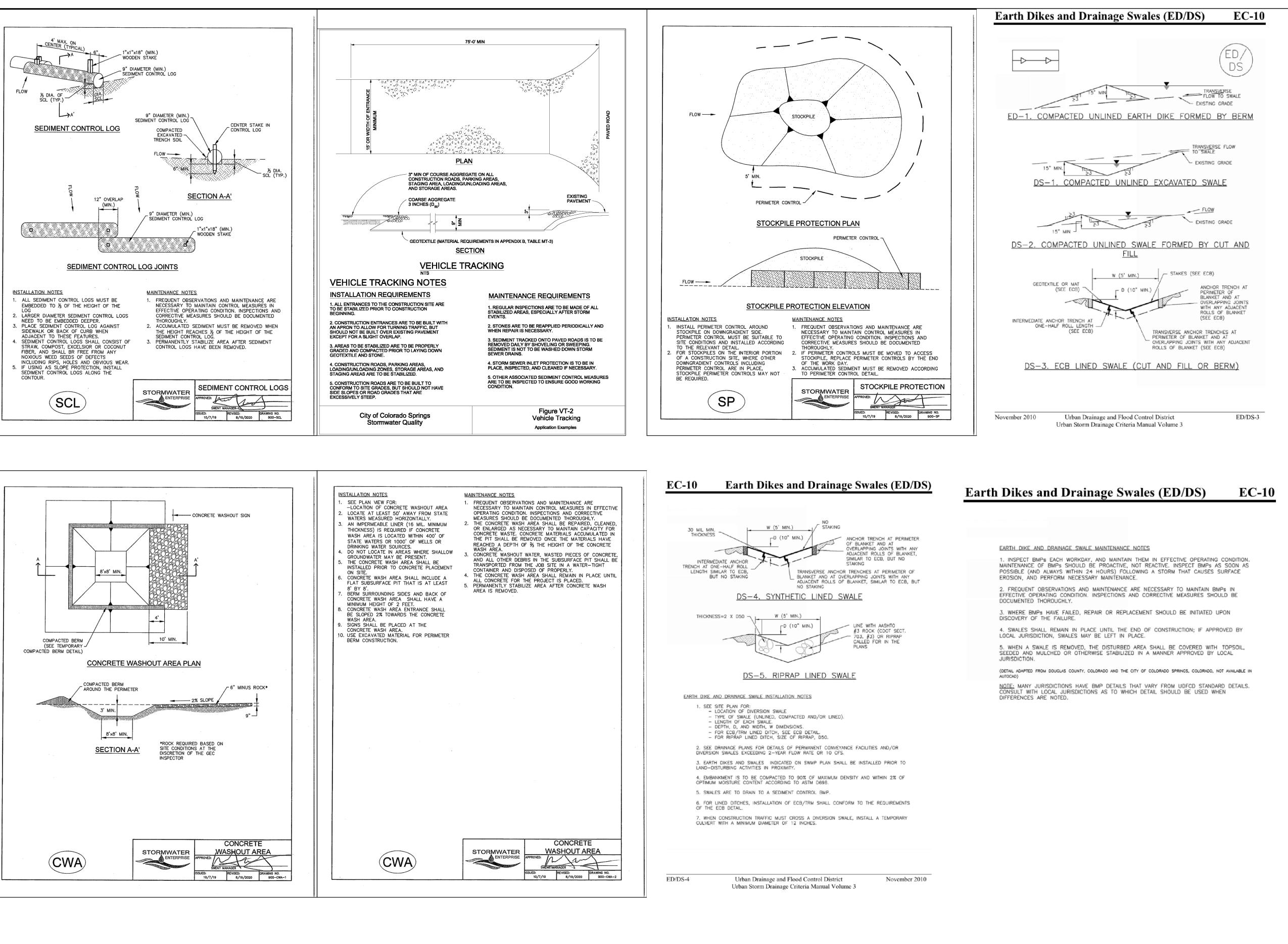


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CALL UTILITY LOCATORS 811 UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW			PREPARED UNDER MY DIRECT S CLASSIC CONSULTING ENGINEERS
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EVE ANY AND ALL UNDERGROUND UTILITIES.			

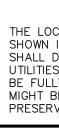




	Scientific Name	Growth Season / Form	% of Mix	Pounds PLS			
				 Irrigated broadcast Irrigated hydroseeded 	 Non-irrigated broadcast Non-irrigated hydroseeded Irrigated drilled 	• Non-irrigated drilled	
				80 seeds/sq ft	40 seeds/sq ft	20 seeds/sq ft	
Bluestem, big	Andropogon gerardii	Warm, sod	20	4.4	2.2	1.1	
Grama, blue	Bouteloua gracilis	Warm, bunch	10	0.5	0.25	0.13	
Green needlegrass ²	Nassella viridula	Cool, bunch	10	2	1	0.5	
Wheatgrass, western ²	Pascopyrum smithii	Cool, sod	20	6.4	3.2	1.6	
Grama, sideoats	Bouteloua curtipendula	Warm, bunch	10 .	2	1	0.5	
Switchgrass ²	Panicum virgatum	Warm, bunch/sod	10	0.8	0.4	0.2	
Prairie sandreed	Calimovilfa longifolia	Warm, sod	10	1.2	0.6	0.3	
Yellow indiangrass ²	Sorghastrum nutans	Warm, sod	10	2	1	0.5	
	·	Seed rate (I	bs PLS/acre)	19.3	9.7	4.8	



				Pounds PLS			
Common Name	Scientific Name	Growth Season / Form	% of Mix	 Irrigated broadcast Irrigated hydroseeded 	Non-irrigated broadcast Non-irrigated hydroseeded Irrigated drilled	• Non-irrigated drilled	
				80 seeds/sq ft	40 seeds/sq ft	20 seeds/sq ft	
Buffalograss	Buchloe dactyloides	Warm, sod	_ 25	9.6	4.8	2.4	
Grama, blue	Bouteloua gracilis	Warm; bunch	20	10.8	5.4	2.7	
Grama, sideoats	Bouteloua curtipendula	Warm, bunch	29	5.6	2.8	1.4	
Green needlegrass	Nassella viridula	Cool, bunch	5	3.2	1.6	0.8	
Wheatgrass, western	Pascopyrum smithii	Cool, sod	20	12	6	3	
Dropseed, sand	Sporobolus cryptandrus	Warm, bunch	1	0.8	0.4	0.2	
		Seed rate (I	bs PLS/acre)	.42	21	10.3	



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DATE

619 N. Cascade Avenue, Suite 200

Colorado Springs, Colorado 80903

PCD FILE # PUDSP226 VILLAGES AT STERLING RANCH 00 SUPERVISION FOR AND ON BEHALF OF EARLY GRADING AND EROSION CONTROL PLAN AND SURVEYORS, LLC F DETAILS CONSULTING DESIGNED BY EAS SCALE DATE 11/15/2024

(719)785-0790

(719)785-0799(Fax)

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EAS (H) 1"= N/A SHEET 6 OF 6

(V) 1"= N/A JOB NO. 1183.26