GENERAL CONSTRUCTION NOTES:

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.
- 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
- 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.
- 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.
- 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.

STANDARD NOTES FOR EL PASO COUNTY CONSTRUCTION PLANS:

- ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).
- CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES. INCLUDING THE FOLLOWING: a. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
- b. CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2 C. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION d. CDOT M & S STANDARDS
- NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
- 5. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
- CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT -INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) REGIONAL BUILDING FLOODPLAIN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS-ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.
- 8. CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND DPW. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES
- 9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY DPW.
- 10. CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY DPW PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
- 11. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- 12. SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.
- 13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS AND MUTCD CRITERIA.
- 14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS. 15. THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN
- WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING. OR CONSTRUCTION
- 16. SIDEWALK TO BE 6" AT DRIVEWAY LOCATIONS.

SIGNING AND STRIPING NOTES:

- ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS. AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.
- 3. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS. 4. ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLAN SHALL BE NEW SIGNS. EXISTING SIGNS MAY REMAIN OR BE REUSED IF THEY MEET
- CURRENT EL PASO COUNTY AND MUTCD STANDARDS.
- 5. STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
- 6. ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
- ALL STREET NAME SIGNS SHALL HAVE "D" SERIES LETTERS, WITH LOCAL ROADWAY SIGNS BEING 4" UPPER-LOWER CASE LETTERING ON 8" BLANK AND NON-LOCAL ROADWAY SIGNS BEING 6" LETTERING, UPPER-LOWER CASE ON 12" BLANK, WITH A WHITE BORDER THAT IS NOT RECESSED. MULTI-LANE ROADWAYS WITH SPEED LIMITS OF 40 MPH OR HIGHER SHALL HAVE 8" UPPER-LOWER CASE LETTERING ON 18" BLANK WITH A WHITE BORDER THAT IS NOT RECESSED. THE WIDTH OF THE NON-RECESSED WHITE BORDERS SHALL MATCH PAGE 255 OF THE 2012 MUTCD "STANDARD HIGHWAY SIGNS.'
- 8. ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.
- 9. ALL LOCAL RESIDENTIAL STREET SIGNS SHALL BE MOUNTED ON A 1.75" X 1.75" SQUARE TUBE SIGN POST AND STUB POST BASE. FOR OTHER APPLICATIONS, REFER TO THE CDOT STANDARD S-614-8 REGARDING USE OF THE P2 TUBULAR STEEL POST SLIPBASE DESIGN. 10. ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.
- 11. ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS SHALL BE A MINIMUM 125 MIL THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S-627-1. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALKS LINES SHALL BE 12" WIDE AND 8' LONG PER CDOT S-627-1.
- 12. ALL LONGITUDINAL LINES SHALL BE A MINIMUM 15MIL THICKNESS EPOXY PAINT. ALL NON-LOCAL RESIDENTIAL ROADWAYS SHALL INCLUDE BOTH RIGHT AND LEFT EDGE LINE STRIPING AND ANY ADDITIONAL STRIPING AS REQUIRED BY CDOT S-627-1.
- 13. THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS (719) 520-6819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
- 14. THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS (DPW) PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.

BENCHMARKS:

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PRESERVE ANY AND ALL UNDERGROUND UTILITIES.			

AGENCIES:	
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 MR. KYLE R. CAMPBELL, P.E. (719) 785–2800
COUNTY ENGINEERING:	EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT 2880 INTERNATIONAL CIRCLE, SUITE 110 COLORADO SPRINGS, CO 80910 MR. JEFF RICE, (719) 520-7877
WATER & SANITATION DISTRICT:	STERLING RANCH METROPOLITAN DISTRICT
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:

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY DIRECTLY CAUSED BY THE NEGLIGENT ACTS, ERRORS, OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

DAVID L GIBSON, COLORADO P.E. #46477 FOR AND ON THE BEHALF OF CLASSIC CONSULTING ENGINEERS & SURVEYORS

OWNER/DEVELOPER'S STATEMENT:

THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE EROSION CONTROL PLAN AND AS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

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





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> 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.

fy road width per DSP comments

NOTES:

100

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

SCALE: 1" = 50'

50

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1.	STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A	
2.	MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS. STORM DRAINAGE AND FROSION CONTROL SHALL CONFORM TO THE STANDARDS AND	
	REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED,	
3.	AND APPROVED, IN WRITING. A SEPARATE STORMWATER MANAGEMENT PLAN (SMWP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. MANAGEMENT OF THE	
	SWMP DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE DESIGNATED QUALIFIED STORMWATER MANAGER OR CERTIFIED EROSION CONTROL INSPECTOR. THE SWMP SHALL BE LOCATED ON SITE AT ALL TIMES DURING CONSTRUCTION AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.	
4.	ONCE THE ESQCP IS APPROVED AND A 'NOTICE TO PROCEED" HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE APPROVED GEC. A PRECONSTRUCTION MEETING BETWEEN THE CONTRACTOR, ENGINEER, AND EL PASO COUNTY WILL BE HELD PRIOR TO ANY CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY STAFF.	
5.	CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER. CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, AND DISTURBED LAND AREAS SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF THE DISTURBANCE.	
6.	ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED. ALL PERSONS ENGAGED IN LAND DISTURBANCE ACTIVITIES SHALL ASSESS THE ADEQUACY OF CONTROL MEASURES AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CONTROL MEASURES ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CONTROL MEASURES. ALL CHANGES TO TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES MUST BE INCORPORATED INTO THE STORMWATER MANAGEMENT PLAN.	
7.	TEMPORARY STABILIZATION SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.	
8.	FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES ARE COMPLETE AND ALL DISTURBED AREAS EITHER HAVE A UNIFORM VEGETATIVE COVER WITH INDIVIDUAL PLANT DENSITY OF 70 PERCENT OF PRE-DISTURBANCE LEVELS ESTABLISHED OR EQUIVALENT PERMANENT ALTERNATIVE STABILIZATION METHOD IS IMPLEMENTED. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED UPON FINAL STABILIZATION AND BEFORE PERMIT CLOSURE.	
9.	ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT AFFECT THE DESIGN OR FUNCTION OF PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.	
10.	EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A WATERS OF THE STATE UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED.	
11.	COMPACTION OF SOIL MUST BE PREVENTED IN AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES OR WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF COMPACTION PREVENTION IS NOT FEASIBLE DUE TO SITE CONSTRAINTS, ALL AREAS DESIGNATED FOR INFILTRATION AND VEGETATION CONTROL MEASURES MUST BE LOOSENED PRIOR TO INSTALLATION OF THE CONTROL MEASURE(S).	
12.	ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF SITE.	
13.	CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. CONCRETE WASHOUTS SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK OR STREAM.	
14.	DURING DEWATERING OPERATIONS OF UNCONTAMINATED GROUND WATER MAY BE DISCHARGED ON SITE, BUT SHALL NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF UNLESS AN APPROVED STATE DEWATERING PERMIT IS IN PLACE.	
16.	CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING	
17.	MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE. WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. CONTROL MEASURES MAY BE REQUIRED BY EL	
18.	PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES. TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.	
9.	THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, SOIL, AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE SYSTEMS AND STORMWATER APPLICATION AS A RESULT OF SITE DEVELOPMENT.	
20.	THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT ORDERLY MANNER IN THEIR ORIGINAL CONTAINERS WITH ORIGINAL MANUFACTURER'S LABELS	
21.	NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ONSITE UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN CRANTING APPROVALEOR THE USE OF SUCH CHEMICAL(S) SPECIAL CONDITIONS AND MONITORING MAX BE REQUIRED	
22.	BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION TO CONTAIN ALL SPILLS ONSITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR OTHER FACILITIES.	
23.	NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.	
24.	OWNER/DEVELOPER AND THEIR AGENTS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE, DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (1041, NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.	
25.	ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.	
∠o. 27.	A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND SHALL BE UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.	
28.	THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY ENTECH ENGINEERING, INC. DATED APRIL 19, 2022 AND SHALL BE CONSIDERED A PART OF THESE PLANS.	
29.	AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1) ACRE OR MORE, THE OWNER OR OPERATOR OF 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:	
C(W) 4 DI A	OLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT ATER QUALITY CONTROL DIVISION QCD — PERMITS 300 CHERRY CREEK DRIVE SOUTH ENVER, CO 80246—1530 TTN: PERMITS UNIT	
	CONSTRUCTION CONTROL MEASURES NOTES:	
1	I. CONTRACTOR TO DETERMINE AREAS USED FOR STAGING, STORAGE OF MATERIALS, SOILS (STOCKPILES) OR WASTES AND SHALL MARK ON THE SITE SWMP AT ALL TIMES. THE USE OF CONSTRUCTION OFFICE TRAILERS REQUIRES PCD PERMITTING.	
	2. THE PROPOSED GRADING/EROSION CONTROL PLAN (SHEETS 2-7) SHOW AND CALL-OUT THE 'INITIAL' AND	

RE-SEEDED OPEN SPACE, AND CONSTRUCTED DETENTION PONDS. A PLAN IS NOT NEEDED FOR THE

FINAL STAGE.

DSION CONTROL CRITERIA:

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

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

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

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

ULCHING REQUIREMENT AND APPLICATION: 1.5 TONS PER ACRE NATIVE HAY ECHANICALLY CRIMPED INTO SOIL.

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

DIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN TWENTY-ONE (21) ALENDAR DAYS AFTER FINAL GRADING, OR FINAL EARTH DISTURBANCE, HAS EEN COMPLETED. DISTURBED AREAS AND STOCKPILES WHICH ARE NOT AT INAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAT 30 DAYS SHALL LSO 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 LLOW ANOTHER APPROPRIATE BMP TO BE IN PLACE THAT PREVENTS EDIMENT FROM LEAVING THE SITE. ALL TEMPORARY SORIL EROSION CONTROL EASURES AND BMPS SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION ONTROL MEASURES ARE IMPLEMENTED.

ALL FACILITIES, VEGETATION AND OTHER ITEMS REQUIRED BY THE APPROVED NAL GRADING, EROSION CONTROL AND RECLAMATION PLAN SHALL BE ROPERLY MAINTAINED BY THE OWNERS OF THE PROPERTY. SUCH AINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO KEEPING ALL EROSION ONTROL FACILITIES IN GOOD ORDER AND FUNCTIONAL, REPAIRING ANY ROSION DAMAGE THAT OCCURS, KEEPING ALL VEGETATION HEALTHY AND IN ROWING CONDITION AND REPLACING ANY DEAD VEGETATION AS SOON AS RACTICABLE.

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

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

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

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

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

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

EDING GUIDELINES:

SEEDBED PREPARATION

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

ERTILIZER

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

<u>SEEDING</u>

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

<u>IULCHING</u>

SEEDED AREAS SHOULD BE MULCHED TO CONSERVE MOISTURE; PREVENT SURFACE COMPACTION OR CRUSTING; REDUCE RUNOFF AND EROSION; CONTROL INSECTS; AND HELP ESTABLISH PLANT COVER.

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

SUPPLEMENTAL WATER

IN LOW RAINFALL AREAS, WHERE WATER IS AVAILABLE AND WHERE RAPID ESTABLISHMENT IS NEEDED, IRRIGATION OF NEW SEEDING SHOULD BE PERFORMED DURING THE FIRST GROWING SEASON. WATER SHOULD BE APPLIED AT APPROXIMATELY ONE WEEK INTERVALS, AT A RATE OF 3/4 TO 1 INCH PER APPLICATION, WHEN RAINFALL IS DEFI-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 THE FOURSQUARE AT STERLING RANCH FILING NO. 1 ARE LOCATED WITHIN A FLOODPLAIN AS DETERMINED BY THE FLOOD INSURANCE RATE MAPS (F.I.R.M.) MAP NUMBERS 08041C 0535G, 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 FILING NO. 1 AREA. RESEED ALL AREAS AS NEEDED TO PREVENT EROSION AND SEDIMENT

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

RUNOFF ONTO CONSTRUCTION ACTIVITIES.

<u>BEGIN_CONSTRUCTION</u>	ACTIVITY	COMPLETION	<u>EROS</u>
UPON_APPROVAL	ALL SITE ROADWAY	6 MONTHS	ALL
	GRADING AND UTILITY INSTALLATION		GRA



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

				PCD FI	
48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS 811 UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW	NO. REVISION DATE	REVIEW: PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC	CLASSIC.	FOURSQUARE AT STERLING RANCH EAST FILING NO. 1 GRADING AND EROSION CONTROL PLAN NOTES & DETAIL SHEET	<u>CLASSIC</u> CONSULTING
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			CONSULTING	DESIGNED BY MES SCALE DATE	11-30-22 OF 29
MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.		DAVID L GIBSON, COLORADO P.E. #46477 DATE	619 N. Cascade Avenue, Suite 200 (719)785-0790 Colorado Springs, Colorado 80903 (719)785-0799(Fax)	CHECKED BY (V) 1"= N/A JOB NO.	1183.23

SION CONTROL SHOWN ON ADING PLAN







Mulching (MU)

Description

Mulching consists of evenly applying straw, hay, shredded wood mulch, rock bark or compost to disturbed soils and securing the mulch by netting or other measures. Mulching helps reduce erosion by protecting bare soil from rainfall impact, increasing infiltration, and reducing runoff. Although often applied in conjunction with temporary or permanent seeding, it can also be used for temporary stabilization of areas that cannot be

reseeded due to seasonal constraints.

Mulch can be applied either using standard mechanical dry application that hydraulically applies a slurry of water, wood fiber mulch, and often a tackifier.

Appropriate Uses

than 14 days) on portions of the site not otherwise permanently stabilized.

in certain jurisdictions or may not be allowed near waterways.

Do not apply mulch during windy conditions.

Design and Installation

with heavy equipment typically compacts the soil. A variety of mulches can be used effectively at construction sites. Consider the following:

June 2012 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 **MM-1 Concrete Washout Area (CWA)** CWA MAINTENANCE NOTES 1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE. 2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY. 3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE. 4. THE CWA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE MATERIALS, ACCUMULATED IN PIT, SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 2'. 5. CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER-TIGHT CONTAINER AND DISPOSED OF PROPERLY. 6. THE CWA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED. 7. WHEN THE CWA IS REMOVED, COVER THE DISTURBED AREA WITH TOP SOIL, SEED AND MULCH OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION. THE LC SHOWN (DETAIL ADAPTED FROM DOUGLAS COUNTY, COLORADO AND THE CITY OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD). SHALL NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED. UTILITIE BE FUI MIGHT PRESEF



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DCATIONS OF EXISTING UNDERGROUND UTILITIES ARE			
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LY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH			
BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND RVE ANY AND ALL UNDERGROUND UTILITIES.			DAVID L GIBSON, COLORADO P





48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS	NO. REVISION	DATE	REVIEW:		FOURSQUARE AT STERLING RANCH EAST	
811 UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW			PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC	CLASSIC	GRADING AND EROSION CONTROL PLAN	
CATIONS OF EXISTING UNDERGROUND UTILITIES ARE IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR DETERMINE THE EXACT LOCATION OF ALL EXISTING IS REFORE COMMENCING WORK. THE CONTRACTOR SHALL				CONSULTING SM	DETAIL SHEET DESIGNED BY DLG SCALE DATE	02-24-23
LY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND EVE ANY AND ALL UNDERGROUND UTILITIES.			DAVID L GIBSON, COLORADO P.E. #46477 DATE	619 N. Cascade Avenue, Suite 200 (719)785-0790 Colorado Springs, Colorado 80903 (719)785-0799(Fax)	DRAWN BYDLG(H) 1"= N/ASHEET 7CHECKED BY(V) 1"= N/AJOB NO.	OF 29 1183.30

on Control Products (RECP)	Rolled Erosion Control Products (RECP)EC-6
N NOTES	EROSION CONTROL BLANKET MAINTENANCE NOTES
CONUT, COCONUT, OR EXCELSIOR). ACH TYPE OF ECB.	1. INSPECT BMP'S EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMP'S SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMP'S AS SOON AS POSSIBLE (AND ALWAY'S WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
MATERIALS ARE PREFERRED FOR RECPS, ALTHOUGH MATERIALS IN SOME APPLICATIONS.	2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE
ON THE PLANS, THE PERMITTEE SHALL PLACE SURFACE PREPARATION, AND SEEDING AND MULCHING.	DUCUMENTED THOROUGHET. 3. WHERE BMP'S HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON
NO GAPS OR VOIDS SHALL EXIST UNDER THE	4. ECBs SHALL BE LEFT IN PLACE TO EVENTUALLY BIODEGRADE, UNLESS REQUESTED TO BE
SE USED ALONG THE OUTSIDE PERIMETER OF ALL SED TO JOIN ROLLS OF ECBs TOGETHER	5. ANY ECB PULLED OUT, TORN, OR OTHERWISE DAMAGED SHALL BE REPAIRED OR REINSTALLED. ANY SUBGRADE AREAS BELOW THE GEOTEXTILE THAT HAVE ERODED TO CREATED A VOID UNDER THE BLANKET, OR THAT REMAIN DEVOID OF GRASS SHALL BE REPAIRED, RESEEDED AND MULCHED AND THE ECB REINSTALLED.
L BE USED AT SPACING OF ONE-HALF ROLL LENGTH	NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.
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SHALL CONFORM TO TABLE ECB-1.	
ING DISTURBED IN THE PROCESS OF INSTALLING ECBS	
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DE OF STREAMS AND DRAINAGE CHANNEL.	
Flood Control District November 2010 e Criteria Manual Volume 3	November 2010Urban Drainage and Flood Control DistrictRECP-9Urban Storm Drainage Criteria Manual Volume 3



	FUTURE STERLING RANC EAST FILING NO. PCR STA: 10+38.00 FL EL = 7130.79 STA: 10+38.00 = STA: 13+53.33 FL-FL INT. FL EL = 7130.34 <u>PROPOSED</u> PED RAMPS PCR STA: 10+68.00 END CONSTRUCTION FL EL = 7131.39 PROPOSED 8' CROSSPAN 0 = 68 M M M	H 3		INE LINE TABLE LENGTH BEARIN 968.00 N13'28'29 RB CURVE TABLE ENGTH LENGTH RADIUS JOO 90'00'00' 47.12 30.00 90'00'00' 47.12 30.00 90'00'00'	G ***
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PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF

DATE



FILING NO. I STREET IMPROVEMENT PLANS

DRAWN BY



DATE 11-12-22

JRH (H) 1"= 50' SHEET 8 OF 29

(V) 1"= 5' JOB NO. 1183.23



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L2	286.10	S76*31'31"E

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CURB CURVE TABLE								
CURVE	LENGTH	RADIUS	DELTA					
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3	31.42	20.00	90'00'00"					
4	31.42	20.00	90'00'00"					
5	31.42	20.00	90°00'00"					
6	31.42	20.00	90°00'00"					
7	47.12	30.00	90'00'00"					
8	47.12	30.00	90'00'00"					

NSTRUCT SIDEWALK RACTS AS SHOWN (TYPICAL) RAMPS MUST MATCH THE

THE DESIGN ENGINEER AS HE DESIGN ENGINEER AS HE DESIGN; THE COUNTY HAS ACCORDINGLY. CONSTRUCTION HAS NOT OF REVIEW DATE.

DATE 11–12–22

SHEET 9 OF 29

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(719)785–0790

(719)785-0799(Fax)

DATE

619 N. Cascade Avenue, Suite 200

Colorado Springs, Colorado 80903



Image:	7130)	7130	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	RADE BREAK STA =	LEV = 7120.99	PROP. GRADE AT FL OF ROAD EXISTING GRADE	2.04%
			7120		1.50%		AT FL OF ROAD	
=1.50% SIA: 5+67.00 FL-FL INT 7121.86 7121.86	7120)		STA: 1+17.00 FL-FL INT FL EL= 7119.57			<u>LEFT FL</u>	
48 HOURS BEFORE YOU F				1+00	2+0	0	3+00	
CALL UTILITY LOCATORS 811 UTILITY NOTIFICATION CENTER OF COLO IT'S THE LAW CATIONS OF EXISTING UNDERGROUND UT N AN APPROXIMATE WAY ONLY. THE C ETERMINE THE EXACT LOCATION OF AL EBEFORE COMMENCING WORK. THE CON Y RESPONSIBLE FOR ANY AND ALL DAM E CAUSED BY HIS FAILURE TO EXACTLY ZE ANY AND ALL UNDERGROUND UTILITI	ORADO IILITIES ARE CONTRACTOR L EXISTING VTRACTOR SHALL MAGES WHICH Y LOCATE AND IES.						REVIEW: PREPARED UNDER MY DI CLASSIC CONSULTING EN DAVID L GIBSON, COLOR	RECT SUI GINEERS

PAGOSA FL-FL INT. FL EL = 7121.86 STA: 5+84.00 = STA: 5+42.00 CL-CL INT. 56 55 PROPOSED 6' CROSSPAN PROPOSED PED RAMP STA: 5+67.00 = STA: 5+25.00 FL-FL INT. STA: 1+17.00 = – STA: 5+55.00 🕂 $_{\rm FL}$ EL = 7121.35 FL-FL INT. PROPOSED FL EL = 7119.57 STA: 1+00.00 = 53 STA: 5+72.00 54 CL-CL INT. PROPOSED 5' PARK PROPOSED 6' SIDEWALK CROSSPAN STA: 1+17.08 = STA: 5+89.00 FL-FL INT. FL EL **51** 7119.06 52 TRACT G 50 49 PROPOSED 5' PARK 47 48 SIDEWALK

7130

7120

121

124

125

122

123

126

STA: 5+67.00 = STA: 5+59.00

SPRINGS PLACE

50'

35

STA: 5+67.00 FL-FL INT FL EL= 7121.3

100'



olorado Springs, Colorado 80903

(719)785-0799(Fax)



RLINE LINE	TABLE
LENGTH	BEARING
784.80	S50°26'12"E
197.20	S64°11'17"E
397.37	S76*31'31"E
	RLINE LINE LENGTH 784.80 197.20 397.37

OCENTERLINE CURVE TABLE							
CURVE	LENGTH	RADIUS	DELTA				
C1	60.00	250.00	13•45'05"				
C2	43.07	200.00	12 ° 20'14"				

CURB CURVE TABLE									
CURVE	LENGTH	RADIUS	DELTA						
1	31.42	20.00	90°00'00"						
2	31.42	20.00	90'00'00"						
3	31.42	20.00	90'00'00"						
4	33.88	20.00	97 ° 03'54"						
5	31.42	20.00	90'00'00"						
6	31.42	20.00	90'00'00"						
7	48.35	38.00	72*53'43"						
8	207.45	47.00	252*53'43"						

) CENTERLINE LINE TABLE LENGTH BEARING LINE 750.00 N39°33'48"E L1

CURB CURVE TABLE								
CURVE	LENGTH	RADIUS	DELTA					
1	31.42	20.00	90°00'00"					
2	33.88	20.00	97 ° 03'54"					
3	31.42	20.00	90°00'00"					
4	31.42	20.00	90°00'00"					
5	31.42	20.00	90°00'00"					
6	31.42	20.00	90.00,00					

NOTES:

DEVELOPER IS REQUIRED TO CONSTRUCT SIDEWALK ADJACENT TO AND THRU ALL TRACTS AS SHOWN (TYPICAL) THE WIDTH OF THE PEDESTRIAN RAMPS MUST MATCH THE WIDTH OF SIDEWALKS

STATEMENTS:

EL PASO COUNTY RECOGNIZES THE DESIGN ENGINEER AS HAVING RESPONSIBILITY FOR THE DESIGN; THE COUNTY HAS LIMITED ITS SCOPE OF REVIEW ACCORDINGLY. RESUBMITTAL IS REQUIRED IF CONSTRUCTION HAS NOT COMMENCED WITHIN 180 DAYS OF REVIEW DATE.

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF

DATE

FOURSQUARE AT STERLING RANCH EAST FILING NO. 1 STREET IMPROVEMENT PLANS

VORS	DESIGNED BY	DLG	SCALE		DATE		11–12-	-22
	DRAWN BY	JRH	(H) 1"=	50'	SHEET	12	OF	29
1785—0790 1785—0799(Fax)	CHECKED BY		(V) 1"=	5'	JOB NO.		1183.:	23

BAN LOCAL							SCAL	E: 1" = 5	0'	
		PVI STA =6+	87.23							
		PVI ELEV = 71 A.D. =-0.8	28.00 0%							
		K =19.00)							
		nonu								
			- 							
		4242								
			j		7130					
			2.00%	1						
				m						
			2	6.28						
			51.0	712						
			TA:							
		/	N.		7120					
		PVI \$1A =6+64.70 PVI ELEV =7127.37								
		A.D. $=-1.30\%$								
_		L =24.70								
•		02 J 55 J								
		27. 27.								
	7130				7130					
	/100	일급 변급			7100					
			1.50%							
		A A								
			Q.	3.66						
			51.6	7128						
			+	≤ ".						
	7120		[A:		7120					
	/120 /		N		/120					
		LEFT FL								
00	6+00	7-	+00							
48 HOUR	S BEFORE YOU DIG	, NC	. REVISION				DATE	REVIEW	1:	

CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC DAVID L GIBSON, COLORADO P.E. #46477

) CENTERLINE LINE TABLE LINE LENGTH BEARING L1 668.05 N13*28'29"E

CURB CURVE TABLE							
CURVE	LENGTH	RADIUS	DELTA				
1	31.42	20.00	90°00'00"				
2	31.42	20.00	90°00'00"				
3	31.42	20.00	90°00'00"				
4	31.42	20.00	90'00'00"				

NOTES:

DEVELOPER IS REQUIRED TO CONSTRUCT SIDEWALK ADJACENT TO AND THRU ALL TRACTS AS SHOWN (TYPICAL) THE WIDTH OF THE PEDESTRIAN RAMPS MUST MATCH THE WIDTH OF SIDEWALKS

STATEMENTS:

EL PASO COUNTY RECOGNIZES THE DESIGN ENGINEER AS HAVING RESPONSIBILITY FOR THE DESIGN; THE COUNTY HAS LIMITED ITS SCOPE OF REVIEW ACCORDINGLY. RESUBMITTAL IS REQUIRED IF CONSTRUCTION HAS NOT COMMENCED WITHIN 180 DAYS OF REVIEW DATE.

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF

DATE

FOURSQUARE AT STERLING RANCH EAST FILING NO. 1 STREET IMPROVEMENT PLANS

<u>CLASSIC</u>

ORS	DESIGNED BY	DLG	SCALE	DATE	11-12-22
	DRAWN BY	JRH	(H) 1"= 50'	SHEET 13	OF 29
5–0790 5–0799(Fax)	CHECKED BY		(V) 1"= 5'	JOB NO.	1183.23

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS	NO. REVISION	DATE	REVIEW:
811			PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALI
UTILITY NOTIFICATION CENTER OF COLORADO			CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC
ITS THE LAW			
ATIONS OF EXISTING UNDERGROUND UTILITIES ARE N AN APPROXIMATE WAY ONLY. THE CONTRACTOR			
ETERMINE THE EXACT LOCATION OF ALL EXISTING			
Y RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH			
E CAUSED BT HIS FAILURE TO EXACTLY LOCATE AND E ANY AND ALL UNDERGROUND UTILITIES.			DAVID L GIBSON, COLORADO P.E. #40477 DATE

SUPERVISION FOR AND ON BEHALF OF S AND SURVEYORS, LLC

CLASSIC. SM CONSULTING ENGINEERS & SURVEYORS 619 N. Cascade Avenue, Suite 200 (719)785—0790 Colorado Springs, Colorado 80903 (719)785—0799(Fax)

STREET IMPROVEMENT PLANS PED RAMP DETAILS DESIGNED BY DLG SCALE DATE 11-12-22

DRAWN BY

CHECKED BY

JRH (H) 1"= 10' SHEET 16 OF 29

(V) 1"= N/A JOB NO. 1183.23

2. PRIVATE STREET NAME SIGNS TO BE WHITE ON BROWN

DATE

(719)785–0790

(719)785-0799(Fax)

CHECKED BY

(V) 1"= 5' JOB NO.

1183.23

619 N. Cascade Avenue, Suite 200

Colorado Springs, Colorado 80903

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 SUPERVISION F CLASSIC CONSULTING ENGINEERS AND SURVE
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 DEFERVE ANY AND ALL UNDERCROUND UTILITIES			DAVID L GIBSON, COLORADO P.E. #46477

IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR	
DETERMINE THE EXACT LOCATION OF ALL EXISTING	
ES BEFORE COMMENCING WORK. THE CONTRACTOR SI	HA
LLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHIC	Ή
BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE A	N
RVE ANY AND ALL UNDERGROUND UTILITIES.	

DPOSED NDRAIL 2 in (300 mm) RETAINED SOIL 2 in (300 mm) RETAINED SOIL 2 CRADED GRANULAR WALL CK 0.25 in to 1.5 in mm to 38 mm) SS THAN 10% FINES 4 in (100 mm) TOE DRAIN PIPE VENTED TO DAYLIGHT (IF REQUIRED) DESIGN BY OTHERS)		CONC. PANEL	CONC. STONE DATERN PER DEVELOPER
ISTON	5' MIN. SETBACK TYP Plon 354.0 (PLAN MAY VARY) SETBACK TYP. 5.0' 5.0' 5.0' 5.0' 15' MIN. SETBACK TYP. 15' MIN. 15' MI	19.0' 59.5' Plan 353.0 (PLAN MAY VARY)	TIO 5' MIN. SETBACK TYP. THIS LOT MAY HAVE DRIVEWAY ACCESS PERPENDICULAR TO PUBLIC STREET MIN. SETBACK TYP. HAVE DRIVEWAY ACCESS PERPENDICULAR TO PUBLIC STREET
SUPERVISION FOR AND ON BEHALF OF S AND SURVEYORS, LLC	NOTES: TYPICAL DETAIL SHOWN IS FO ONLY. SPECIFIC HOUSE PLAI CONFIGURATIONS MAY VARY. LOT LINE DIMENSIONS MAY V NO TRASH OR DELIVERY TRU LOT TRASH CANS TO BE TAK <u>TYPICA</u> SC SC SC SC SC SC SC SC SC SC	ARY (SEE SITE PLAN) CKS TO USE SHARED DRIVEWAY. REAR EEN TO CURB. LOT DETAIL ALE: 1" = 20' FOURSQUARE AT STEE FILING NO. 1 STREET IMPROVEMENT PL TYPICAL STREET SECTION DESIGNED BY DLG SC	RLING RANCH EAST ANS IS & DETAILS CALE DATE 11-12-22
P.E. #46477 DATE	619 N. Cascade Avenue, Suite 200 (719)785-(Colorado Springs, Colorado 80903 (719)785-(DRAWN BY JRH (H)790 (V)799(Fax) CHECKED BY) 1"= 50' SHEET 19 OF 29) 1"= 5' JOB NO. 1183.23

CONC. POST CAP-

CONC. POST

-CONC. PANEL CAP

				\bigcap	CENTERLINE LINE TABL	F	
			s s s	LINE LENGT	H BEARING	SIZE/MATERIAL	PIPE #
				L2 93.14 L3 94.79	S76*31'31"E S76*31'31"E	42" RCP STORM PUBLIC 42" RCP STORM PUBLIC	PIPE 17 PIPE 15
				L4 368.17 L5 241.89	7 S76°31'31"E 9 S64°11'17"E	42" RCP STORM PUBLIC 42" RCP STORM PUBLIC	PIPE 13 PIPE 13
				L6 36.67 L7 84.52	S52'56'17"E S50'26'12"E	42" RCP STORM PUBLIC 36" RCP STORM PUBLIC	PIPE 13 PIPE 6
32 33 36 37 40			M.	L8 401.48	3 S50°26'12"E	36" RCP STORM PUBLIC	PIPE 3
	41 ////////////////////////////////////						
75	44 /				in the second se		
34 35 38 39	42	45			W- W		
$30 \qquad 31 \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad$	TA. 9+97.01	$\frac{58 - 10 + 38.68 \text{ STM} - 1}{0 \text{ STM} - 2}$			w		
INSTALL 11.25° HC	ORIZ. BEND = 7105.25	X5.0' TYPE I MH	TRACT				
6∓00 IVELC C&G 7∓00 1 8 8±00 9∓00		<u>STA. 11+23.20 – 11+28.20 STM-1=</u> STA. 1+05.67 – 1+10.67 STM-LAT-3		4			
AIN (PUB) (L4) MARICOPA COURT	40	INSTALL 5.0'X5.0' TYPE I MH RIM = 7116.79	52 / /				
MAIN (PUB) TYPE A C&G		4/	53				
		50		56	Ħ/ 		
135 134 131 170			51	57		\land	
138 135 101 101 130 127		B" PVC WT	_ / 54 /				٨
		A COLOR MAIN (PUB)	55				
		TRACT COLOR DI 2 10					
137 136 133 132 129 128							
		84					
		81					
		82			_		
TRACT G						KEY MAP	
				STA. 15+29.68 STM-1	•	NOT TO SCALE	
		80	59	$\nabla \mathbf{N}$			
		79 / /	6	o ///			
50 100	88			<i>#</i> /		ALL STORM SEWER IS UNLESS OTHERWISE I	5 PUBLIC NOTED.
			//// en /	<u>////</u>			
50 HORIZ. / 1 = 5 VERI.							
							_
PUBLIC RCP STORM SEWER MAIN	- MAIN 1	Show distance between					
		HGL and proposed ground. Per DCM Vol 1 section 8.3					
Per ECM section 3.3.1.D, storm		HGL shall not be closer					7120
sewer pipes shall be designed free of						-	
pressure heads except for short runs.		street surface	ALL STORM SEWER WITH 100-YR HO	GL ABOVE	><		
pressure heads except for short runs. Look at upsizing pipes to remove pressure head within system		street surface	ALL STORM SEWER WITH 00-YR HO THE TOPE OF PIPE SHALL BE INSTA WITH PRESSURE PIPE AND WATERTIC	GL ABOVE			
pressure heads except for short runs. Look at upsizing pipes to remove pressure head within system EXISTING GRADE AT CL OF PIPE		street surface	ALL STORM SEWER WITH 100-YR HO THE TOPE OF PIPE SHALL BE INSTA WITH PRESSURE PIPE AND WATERTIC JOINTS WITH A 100-YR SERVICE LIF				
pressure heads except for short runs. Look at upsizing pipes to remove pressure head within system EXISTING GRADE AT CL OF PIPE			ALL STORM SEWER WITH 100-YR HO THE TOPE OF PIPE SHALL BE INSTA WITH PRESSURE PIPE AND WATERTIO JOINTS WITH A 100-YR SERVICE LIF	GL ABOVE			
pressure heads except for short runs. Look at upsizing pipes to remove pressure head within system EXISTING GRADE AT CL OF PIPE 100-YB HGI	1 <u>00-YR HGL</u> Per FD	DR, slope is 1%	ALL STORM SEWER WITH 100-YR HO THE TOPE OF PIPE SHALL BE INSTA WITH PRESSURE PIPE AND WATERTIC JOINTS WITH A 100-YR SERVICE LIF		FUTURE	STORM SEWER	
pressure heads except for short runs. Look at upsizing pipes to remove pressure head within system		DR, slope is 1%	ALL STORM SEWER WITH 100-YR HO THE TOPE OF PIPE SHALL BE INSTA WITH PRESSURE PIPE AND WATERTIC JOINTS WITH A 100-YR SERVICE LIF.		FUTURES	STORM SEWER	7110
pressure heads except for short runs. Look at upsizing pipes to remove pressure head within system EXISTING GRADE AT CL OF PIPE 100-YR HGL INDO-YR HGL IN	100-YR HGL 100-YR HGL B4.52 LF~ SEWER @	DR, slope is 1%	ALL STORM SEWER WITH 00-YR HO THE TOPE OF PIPE SHALL BE INSTA WITH PRESSURE PIPE AND WATERTIC JOINTS WITH A 100-YR SERVICE LIF, 56 LF~ 36" RCP STORM ER @ 0.50% (PUBLIC)	SL ABOVE	FUTURE	STORM SEWER	7110
pressure heads except for short runs. Look at upsizing pipes to remove pressure head within system EXISTING GRADE AT CL OF PIPE 100-YR HG 278.55 LF~ 42" RCP STORM SEWER @ 0.50% (PUBLIC)	100-YR HGL Per FD	DR, slope is 1%	ALL STORM SEWER WITH 100-YR HO THE TOPE OF PIPE SHALL BE INSTA WITH PRESSURE PIPE AND WATERTIG JOINTS WITH A 100-YR SERVICE LIF.		FUTURES	STORM SEWER	7110
Pressure heads except for short runs. Look at upsizing pipes to remove pressure head within system EXISTING GRADE AT CL OF PIPE IO0-YR HGL 278.55 LF~ 42" RCP STORM SEWER @ 0.50% (PUBLIC)	100-YR HGL Per FD B4.52 LF~ SEWER @ Inv's in do not m	DR, slope is 1%	ALL STORM SEWER WITH 00-YR HO THE TOPE OF PIPE SHALL BE INSTA WITH PRESSURE PIPE AND WATERTIC JOINTS WITH A 100-YR SERVICE LIF, S6 LF~ 36" RCP STORM ER @ 0.50% (PUBLIC)		FUTURE S	STORM SEWER	7110
Pressure heads except for short runs. Look at upsizing pipes to remove pressure head within system EXISTING CRADE AT CL OF PiPE IOD-YR HCL IDD-YR HCL Z78.55 LF~ 42" RCP STORM SEWER @ 0.50% (PUBLIC)	100-YR HGL 100-YR HGL Per FD 100-YR HGL Per FD 100-YR HGL Per FD 100-YR HGL 100-YR HGL Per FD 100-YR HGL 100-YR HG	DR, slope is 1%	ALL STORM SEWER WITH 00-YR HO THE TOPE OF PIPE SHALL BE INSTA WITH PRESSURE PIPE AND WATERTIC JOINTS WITH A 100-YR SERVICE LIF, 56 LF~ 36" RCP STORM ER @ 0.50% (PUBLIC)	SL ABOVE	FUTURE S	STORM SEWER	7110
Pressure heads except for short runs. Look at upsizing pipes to remove pressure head within system	100-YR HGL 100-YR HGL 100-YR HGL Per FD 100-YR HGL 100-YR	DR, slope is 1%	ALL STORM SEWER WITH 00-YR HO THE TOPE OF PIPE SHALL BE INSTA WITH PRESSURE PIPE AND WATERTIC JOINTS WITH A 100-YR SERVICE LIF.		FUTURES	STORM SEWER	7110
Pressure heads except for short runs. Look at upsizing pipes to remove pressure head within system EXISTING GRADE AT CL OF PIPE 100-YR HCL 278.55 LF~ 42" RCP STORM SEWER @ 0.50% (PUBLIC) PUBLIC)	100-YR HGL 100-YR	DR, slope is 1% 100-YR HGL 367 RCP STORM 368 367 RCP STORM 369 368 (PUBLIC) 52 100-YR HGL 55 100-YR HGL 369	ALL STORM SEWER WITH 00-YR HO THE TOPE OF PIPE SHALL BE INSTA WITH PRESSURE PIPE AND WATERTIC JOINTS WITH A 100-YR SERVICE LIF, S6 LF~ 36" RCP STORM ER @ 0.50% (PUBLIC)		FUTURE S		7110
Pressure heads except for short runs. Look at upsizing pipes to remove pressure head within system	100-YR HGL 100-YR	$\begin{array}{c} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 $	ALL STORM SEWER WITH 00-YR HO THE TOPE OF PIPE SHALL BE INSTA WITH PRESSURE PIPE AND WATERTIC JOINTS WITH A 100-YR SERVICE LIF, 56 LF~ 36" RCP STORM ER @ 0.50% (PUBLIC)	SL ABOVE			7110
Pressure heads except for short runs. Look at upsizing pipes to remove pressure head within system	$100 - \lambda H H C = 100 - \lambda H H H H = 71125 + 00 H H H = 7110 - 00 - 100$	$\begin{array}{c} 100 - YR + HGL \\ \hline \\ 00 - YR + HGL \\ \hline $	ALL STORM SEWER WITH 00-YR HO THE TOPE OF PIPE SHALL BE INSTA WITH PRESSURE PIPE AND WATERTIC JOINTS WITH A 100-YR SERVICE LIF S6 LF~ 36" RCP STORM ER @ 0.50% (PUBLIC)		FUTURE S		7110
Pressure heads except for short runs. Look at upsizing pipes to remove pressure head within system 100−YR HGL 278.55 LF ~ 42" RCP_STORM SEWER @ 0.50% (PUBLIC) 100−YR HGL 278.55 LF ~ 42" RCP_STORM SEWER @ 0.50% (PUBLIC)	$\frac{100 - \lambda K H dr}{100 - \lambda K H dr} = \frac{1105 \cdot 0}{100 - \lambda K H dr} = \frac{1125 \cdot 0}{100 - \lambda K H dr} = \frac{1125 \cdot 0}{100 - \lambda K H dr} = \frac{1125 \cdot 0}{100 - \lambda K H dr} = \frac{10 + 38.68}{100 - \lambda K K K H dr} = \frac{10 + 38.68}{100 - \lambda K K K H dr} = \frac{10 + 38.68}{100 - \lambda K K K H dr} = \frac{10 + 38.68}{100 - \lambda K K K H dr} = \frac{10 + 38.68}{100 - \lambda K K K H dr} = \frac{10 + 38.68}{100 - \lambda K K K K H dr} = \frac{10 + 38.68}{100 - \lambda K K K K K H dr} = \frac{10 + 38.68}{100 - \lambda K K K K K H dr} = \frac{10 + 38.68}{100 - \lambda K K K K K K K K K K K K K K K K K K$	DR, slope is 1% 360 RCP STORM 360 RCP STORM 3.06% (PUBLIC) 100-YR HGL 100-YR HGL 100-YR HGL 100-YR HGL 100-YR HGL 3.06% (PUBLIC) 100-YR HGL 100-YR HGL	ALL STORM SEWER WITH 00-YR HO THE TOPE OF PIPE SHALL BE INSTA WITH PRESSURE PIPE AND WATERTIC JOINTS WITH A 100-YR SERVICE LIF, S6 LF~ 36" RCP STORM ER @ 0.50% (PUBLIC)		FUTURE S		7110
Pressure heads except for short runs. Look at upsizing pipes to remove pressure head within system EXISTING GRADE AT CL OF PIPE 100-YR HGL 100-YR HGL 278.55 LF~ 42" RCP STORM SEWER © 0.50% (PUBLIC) THE CC STORM (PUBLIC) THE CC STORM (PUBLIC)	$100-\overline{AR} H\overline{GL}$ $100-\overline{AR} H\overline{GL}$ $100-\overline{AR} H\overline{GL}$ $100-\overline{AR} H\overline{GL}$ $100-\overline{AR} H\overline{GL}$ $100-\overline{AR} H\overline{GL}$ $1105.0 H\overline{A}$ $100-\overline{AR} H\overline{A}$ $1105.0 H\overline{A}$ $100-\overline{AR} H\overline{A}$ $1105.0 H\overline{A}$ $100-\overline{AR} H\overline{A}$ $100-\overline{A}$ 1	$\begin{array}{c} 100 - YR + IGL Street surface 100 - YR + IGL 100 - Y$	ALL STORM SEWER WITH 00-YR HO THE TOPE OF PIPE SHALL BE INSTA WITH PRESSURE PIPE AND WATERTIC JOINTS WITH A 100-YR SERVICE LIF S6 LF~ 36" RCP STORM ER @ 0.50% (PUBLIC)		FUTURE S		7110
Pressure heads except for short runs. Look at upsizing pipes to remove pressure head within system	100 - XK HCl = 100 - XK + 100 - X	$\frac{100 - YR + HGL}{Street surface}$ $\frac{100 - YR + HGL}{100 - YR + HGL}$ $\frac{100 - YR + HGL}{100 - YR + HGL}$ $\frac{100 - YR + HGL}{100 - YR + HGL}$ $\frac{100 - YR + HGL}{100 - YR + HGL}$ $\frac{360}{2} \times 10^{-1} \times 10$	ALL STORM SEWER WITH 00-YR HO THE TOPE OF PIPE SHALL BE INSTA WITH PRESSURE PIPE AND WATERTIC JOINTS WITH A 100-YR SERVICE LIF, 56 LF~ 36" RCP STORM ER @ 0.50% (PUBLIC)		FUTURE S		7110
pressure heads except for short runs. Look at upsizing pipes to remove pressure head within system EXISTING (GRADE AT CL OF PIPE 100-YR HGL 100-YR HGL 278.55 Ur~ 42 ^x RCP-STORM (PUBLIC) 278.55 Ur~ 42 ^x RCP-STORM (PUBLIC) 100-YR HGL 100-YR HGL 110-YR HGL 100-YR H	100-YR HGL Per FD 100-YR HGL Per FD NSTALL 11.25 B4'25 fter NNV. Ster INV. Ster INV. Status	$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} $	ALL STORM SEWER WITH 100-YR HC THE TOPE OF PIPE SHALL BE INSTA WITH PRESSURE PIPE AND WATERTIC JOINTS WITH A 100-YR SERVICE LIF 56 LF~ 36" RCP STORM ER @ 0.50% (PUBLIC)		FUTURE S		7110 7100 7090
Pressure heads except for short runs. Look at upsizing pipes to remove pressure head within system EXISTING OF PIPE	100-XB HGr ber LD 100-XB HGR <td< td=""><td>DR, slope is 1% 100-YR HGL 36U RCP STORM 360 3.06% (PUBLIC) 45 (20) (20) (20) (20) (20) (20) (20) (20)</td><td>ALL STORM SEWER WITH 100-YR HC THE TOPE OF PIPE SHALL BE INSTA WITH PRESSURE PIPE AND WATERTIC JOINTS WITH A 100-YR SERVICE LIF .56 LF~ 36" RCP STORM ER @ 0.50% (PUBLIC)</td><td></td><td>FUTURE S</td><td></td><td>7110 7100 7100 7090</td></td<>	DR, slope is 1% 100-YR HGL 36U RCP STORM 360 3.06% (PUBLIC) 45 (20) (20) (20) (20) (20) (20) (20) (20)	ALL STORM SEWER WITH 100-YR HC THE TOPE OF PIPE SHALL BE INSTA WITH PRESSURE PIPE AND WATERTIC JOINTS WITH A 100-YR SERVICE LIF .56 LF~ 36" RCP STORM ER @ 0.50% (PUBLIC)		FUTURE S		7110 7100 7100 7090
pressure heads except for short runs, Look at upsizing pipes to remove pressure head within system EXISTING (PRADE AT CL OF PIPE 100-YR HRL 278.55 LF ~ 42" RCP STORM SEWER © 0.50% (PUBLIC) ROP STORM (PUBLIC) 00 YR HRL 100 YR HRL 100 YR HRL 100 YR HRL 278.55 LF ~ 42" RCP STORM SEWER © 0.50% (PUBLIC)	100-YR HGL 100-YR	DR, slope is 1% 100-YR HGL 360 RCP STORM 360 306% (PUBLIC) 111+5320 306% (PUBLIC) 111+5320 111 111+5320 111 111:00 111 111:00 111 111:00 111 111:00 111 111:00 111 111:00 111 111:00 111 111:00 111 111:00 111 111:00 111 111:00 111 111:00 111 111:00 111 111:00 111 11:00 111 11:00 111 11:00 111 11:00 111 11:00 111 11:00 111 11:00 111 11:00 111 11:00 111 11:00 111 11:00 111 11:00 111 11:00 111 11:00 111 11:00 111 11:00 111 11:00 111 11:00 111 11:00 112 11:00<	ALL STORM SEWER WITH 00-YR HO THE TOPE OF PIPE SHALL BE INSTA WITH PRESSURE PIPE AND WATERTIC JOINTS WITH A 100-YR SERVICE LIF 56 LF~ 36" RCP STORM ER @_0.50% (PUBLIC)		FUTURE S		7110 7100 7090
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pressure heads except for short runs. Look at upsizing pipes to remove pressure head within system EXISTING pressure head within system 000-YR HGL Pressure head within system 100-YR HGL 278.55 UF~ 42" ROP STORM SEWER @ 0.50% (PUBLIC) scpc store SEWER @ 0.50% (PUBLIC) 100-YR HGL 100-YR HGL	100-YR HGL 100-YR	DR, slope is 1% 	ALL STORM SEWER WITH 00-YR HC THE TOPE OF PIPE SHALL BE INSTA WITH PRESSURE PIPE AND WATERTIC JOINTS WITH A 100-YR SERVICE LIF 56 LF~ 36" RCP STORM ER @ 0.50% (PUBLIC)				7110 7100 7090 7090
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Ризвилие новыть селоди for enon runn book all viscoling pipes to remove pressure house of pipes	<u>100-YR HGL</u> <u>100-YR HGL</u> <u></u>	JR, Slope is 1% JOD-YR HGL JR, Slope is 1% JOD-YR HGL JR, Slope is 1% JOD-YR HGL JR, Slope is 1% Street Sufface Street Sufface Street Sufface Street Sufface Street Sufface Street Sufface Street Sufface JR, Slope Street Sufface Street Sufface JR, Street Sufface Street Suffac	ALL STORM SEWER WITH 100-YR HC THE TOPE OF PIPE SHALL BE INSTA WITH PRESSURE PIPE AND WATERTIC JOINTS WITH A 100-YR SERVICE LIF ER @_0.59% (PUBLIC) ER @_0.59% (PUBLIC) IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		FUTURE S FUTURE	STERLING RANCH EAS	7110 7100 7090 7090
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Image: State and a subset of a stort runs pressure head with system Image: State and S	100-YR HGL 100-YR HGL 100-YC HG 100-YR HGL 100-YR	Street surface JR, slope is 1% JR, slope is 1%<			FUTURE S FUTURE	STORM SEWER STERLING RANCH EAS // STERLING RANCH EAS // STERLING RANCH EAS // STERLING RANCH EAS	7110 7110 7100 7090 7090

CENTERLINE LINE TABLE								
LINE	LENGTH	BEARING	SIZE/MATERIAL	PIPE #				
L9	249.88	S39 * 33'48"W	30" RCP STORM PUBLIC	PIPE 12				
L10	490.62	S39 * 33'48"W	24" RCP STORM PUBLIC	PIPE 9				
L11	48.37	N50°26'12"W	24" RCP STORM PUBLIC	PIPE 9				
L12	5.67	S50°26'12"E	24" RCP STORM PUBLIC	PIPE 10				
L13	24.67	S50°26'12"E	18" RCP STORM PUBLIC	PIPE 11				
L14	9.55	N05 * 26'12"W	18" RCP STORM PUBLIC	PIPE 7				
L15	26.43	N56°41'51"E	18" RCP STORM PUBLIC	PIPE 8				

KEY MAP

ALL STORM SEWER IS PUBLIC UNLESS OTHERWISE NOTED.

CP STORM SEWER MAIN -	PUB	BLIC RCP STORM SEWER MAIN - MAIN 2 LATERAL 5	
PROPOSED GRADE AT CL OF PIPE AT CL E S.67~LF 18" RCP / STORM SEWER / PUBLIC) @ 1.00% 100-YR HGL	7130 9.55~I STORM (PUBLI	PROPOSED EXISTING GRADE_AT_CL OF OF PIPE 26.43~LF_18" RCP /STORM_SEWER /SEWER (PUBLIC) @ 1.00% (PUBLIC) @ 1.00%	7130
	7110	E R SUMP INLET = 7121.73 = 7121.73 STA. 1+13.55 T121.63 7121.63 7121.63 7121.63 7121.63 7121.13 = 7121.13 = 7121.13 = 7121.90 = 7121.90	7110
 7115.03 7115.03 7115.03 7115.03 7114.93 7115.61 7115.61 7115.61 7115.61 7115.61 7115.67 7115.67 7115.67 7115.67 	7100	$\begin{array}{c} STA. 1+00.00\\ \text{INSTALL 5' TYPE}\\ \text{TOB } 7'26.07\\ \text{INV. OUT } 4.34'\\ \text{STA. 1+09.55} -\\ \text{STA. 1+09.55} -\\ \text{INV IN } 18'' =\\ \text{INV } 18'' =$	7100
B.O.P. (STM) T.O.P. (STM) T.O.P. (STM) T.O.P. (STM) B.O.P. (STM) B.O.P. (STM) B.O.P. (STM) B.O.P. (STM) B.O.P. (STM) B.O.P. (STM) B.O.P. (STM) B.O.P. (STM) T.O.P. (STM) B.O.P. (STM) B.O.P. (STM) B.O.P. (STM) B.O.P. (STM) B.O.P. (STM) CLEAR = 8.4 STA. 1+24.6 INV N (24") INV OUT (3(CUT = 8.54' INV OUT (18") INV. OUT (7090	Image: series of the series	7090
JPERVISION FOR AND ON BEHALF OF S AND SURVEYORS, LLC	AS	FOURSQUARE AT STERLING RAN FILING NO. 1 PUBLIC STORM SEWER	NCH EAST
.E. #46477 DATE 619 N. Cascade Avenu Colorado Springs, Colo	ue, Suite 200 orado 80903	I I I V DESIGNED BY JRH SCALE DRAWN BY JRH (H) 1"= 50" (719)785-0790 CHECKED BY (V) 1"= 5"	DATE 10/07/22 SHEET 21 OF 29 JOB NO. 1183.23

PUBLIC RCP STORM SEWER MAIN 1 LATERAL 1	MAIN -		PUBLIC RCP ST MAIN 1	ORM SEWER MAIN - LATERAL 2
	7120	7120		
dd note regarding atertight joints where GL is above top of pipe	-" RCP R 	7110	PROPOSED GRADE AT CL OF PIPE EXISTING GRADE AT CL OF PIPE 24.67~LF 24" RCP STORM SEWER (PUBLIC) @ 2.00%	100-YR HGL
	7100	7100		
STA. 1+00.00 STA. 1+00.00 INSTALL 15' TYPE R SUMP INLET TOB = 7'11.06 INV. OUT (24") = 7104.06 CUT = 7.00' STA. 1+24.38 INSTALL 6.0'x5.0' TYPE I MH RIM = 7111.34 INV N (24") = 7102.05 INV N (42") = 7100.55 INV N (42") = 7100.55 INV. OUT (42") = 7100.55	7090	7090	DR, inv=7101.75	7090.96 7107.16 7107.36 7105.81 7105.81 7105.81 7105.81 7105.81 7105.81 7105.81 7105.81 7105.81 7105.81 7105.81 7105.81 7105.81 7105.81 7105.81
1+00	2+00	7080	STA. 1+00.00 STA. 1+00.00 INSTALL 5.0'x5.0 RIM = 7112.39 INV N (42") = INV N (42") = INV. CUT (42") = INV. CUT (42") = INV. SUT (42") = STA. 1+07.00 B [*] SAN SEW CR	T.O.P. (SAN) = B.O.P. (STM) = CLEAR = 16.20' STA. 1+17.00 B.O.P. (STM) = T.O.P. (WTR) = CLEAR = 1.55' NMY OUT (24") INV. OUT (24")
48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS 811 UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW	NO. REVISION		DATE	REVIEW: PREPARED UNDER MY DIRECT SU CLASSIC CONSULTING ENGINEERS
CATIONS OF EXISTING UNDERGROUND UTILITIES ARE IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR DETERMINE THE EXACT LOCATION OF ALL EXISTING S BEFORE COMMENCING WORK. THE CONTRACTOR SHALL LY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND EVE ANY AND ALL UNDERGROUND UTILITIES.				DAVID L GIBSON, COLORADO P.

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS	NO. REVISION	DATE	REVIEW:
811 UTILITY NOTIFICATION CENTER OF COLORADO			PREPARED UNDER MY DIRECT SU CLASSIC CONSULTING ENGINEERS
IT'S THE LAW ATIONS OF EXISTING UNDERGROUND UTILITIES ARE A AN APPROXIMATE WAY ONLY. THE CONTRACTOR			
TERMINE THE EXACT LOCATION OF ALL EXISTING BEFORE COMMENCING WORK. THE CONTRACTOR SHALL RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND			DAVID L GIBSON, COLORADO P.E
ANT AND ALL UNDERGROUND UTILITIES.			L

3" x 3" x 3/8"

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ACCES
ANCH
WITH
WEDG

20'X4' OUTLET BOX OVERFLOW TRASH RACK SCALE 1" = 2'

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS	NO. REVISION	DATE	REVIEW:
811			PREPARED UNDER MY DIRECT SU
UTILITY NOTIFICATION CENTER OF COLORADO			CLASSIC CONSULTING ENGINEERS
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BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND			DAVID L GIBSON, COLORADO P.

} 3" × 3" × 3∕8"

3" × 3" × 3/8"

<u>CLASSIC</u> FOURSQUARE AT STERLING RANCH FIL. NO. 1 \$ PRIVATE PERMANENT CONTROL MEASURE ASSIC SUPERVISION FOR AND ON BEHALF OF PRIVATE EXTENDED DETENTION BASIN S AND SURVEYORS, LLC OUTLET BOX DETAILS CONSULTING DATE 10/11/22 DESIGNED BY JRH SCALE JRH (H) 1"= 5' SHEET 27 OF 29 DRAWN BY P.E. #46477 DATE
 619 N. Cascade Avenue, Suite 200
 (719)785-0790

 Colorado Springs, Colorado 80903
 (719)785-0799(Fax)
 (V) 1"= N/A JOB NO. 1183.23

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SHALL UTILITII BE FUI MIGHT PRESEI	

Ø INCLUDE	E 18" NO.	4 BARS (SEE CHANNI	EL LAYOUT	DETAIL).				V				V	
V SEE CU	RB FACE	ASSEMBLY	on sheet 1	I AND CHA	NNEL LAYO	out details	on this	SHEET. RI	EGULAR NLETS			DR(IN	op box Lets	
TAB	LE TW	/0 ~	BARS A	AND Q	UANTII	TIES VA	RIABL	e with "	Ή"					
, _L ,	L	ENGTH		NO. RE	Q'D. AR	NO. RE	<u>Q'D.</u>	L=5'		L=10)'	L=	15'	
	401	402	410	403	407	403	407	CU.YD.CONC.	LB.STEEL	CU.YD.CONC.	LB.STEEL	CU.YD.CONC.	LB.STEEL	REGU
3'-0"	2'–8"	1'-8"		10	7			3.2	285	5.3	497	7.4	706	NEED THE
3'-6"	3'-2"	2'-2"		10	7			3.4	305	5.7	528	7.9	747	DROF
4'-0"	3'-8"	2'-8"		12	9			3.7	326	6.0	559	8.4	786	TIES HEAV
4'-6"	4'-2"	3'-2"		12	9			3.9	334	6.4	571	8.8	803	
5'-0"	4'-8"	3'-8"		14	11			4.1	354	6.7	602	9.3	844	
5'-6"	5'-2"	4'-2"	3'-5"	16	13	15	6	4.4	375	6.0	607	7.4	850	
6'-0"	5'-8"	4'-8"	3'-11"	16	13	16	6	4.6	382	6.2	616	7.6	860	
6'-6"	6'-2"	5'-2"	4'-5"	18	15	18	8	4.8	402	6.4	637	7.8	880	
7'-0"	6'-8"	5'-8"	4'-11"	20	17	19	10	5.0	423	6.6	654	8.0	897	
7'-6"	7'-2"	6'-2"	5'-5"	20	17	20	10	5.3	430	6.9	664	8.3	907	
8'-0"	7'-8"	6'-8"	5'-11"	22	19	22	12	5.5	451	7.1	684	8.5	927	
8'-6"	8'-2"	7'-2"	6'-5"	24	21	23	14	5.7	471	7.3	702	8.7	944	STEE
9'-0"	8'-8"	7'–8"	6'-11"	24	21	24	14	6.0	479	7.6	711	9.0	954	STEE
9'-6"	9'-2"	8'-2"	7'–5"	26	23	26	16	6.2	499	7.8	732	9.2	974	
10'-0"	9'-8"	8'-8"	7'-11"	28	25	27	18	6.4	520	8.0	749	9.4	992	
10'-6"	10'-2"	9'-2"	8'-5"	28	25	28	18	6.7	527	8.3	759	9.7	1001	
11'-0'	10'-8"	9'-8"	8'-11"	30	27	30	20	6.9	547	8.5	779	9.9	1022	

		LLIO	
	L=	15'	NOTE: FOR L=5', L=10' ANI
.STEEL	CU.YD.CONC.	LB.STEEL	REGULAR INLETS: TOTAL QUAN
97	7.4	706	NEEDED ARE OUTSIDE OF THE HEAVY BLACK LINE.
28	7.9	747	DROP BOX INLETS: TOTAL QU
59	8.4	786	TIES NEEDED ARE INSIDE OF
71	8.8	803	
502	9.3	844	
607	7.4	850	
16	7.6	860	
37	7.8	880	
54	8.0	897	
64	8.3	907	-
684	8.5	927	
02	8.7	944	INCLUDE STRUCTURAL

INLETS, I≯ 5'

4'-0" ||

11 6'-10"

6 10'-10"

3 2'-9"

7 10'-10"

11 | 11'-5"||

2 | 8'-10" ||

1 10'-10"

5'-2"

3'-4"

15'

11 | 6'-10

7 8'–10"

6 15'-10"

7 | 15'-10"

1 15'-10"

3

- 33

17

6

5

4

4'-10"

5'-10

16'-0"

10'-2"

2'-9"

3'-4"

11'-5"

3'-6"

8'-4"

8'-10'

10'

7

3

22

nd l=15' Natities uanti.... • The

OF 712.06.

TABLE	ONE	\sim	BAR	LIST	FOR	CURB	INLETS,	TYPE	"R"	

II 15 * 21 * 26 * 11 *

10'-10

H < 5'

21 6'-10" 31 6'-10"

15'

|| NO.REQ'D. |LENGTH || NO.REQ'D. |LENGTH | NO.REQ'D. |LENGTH || NO.REQ'D. |LENGTH || NO.REQ'D. | LENGTH

* 15'-10"

6 15'-10"

16 3'-6" 27 3'-6" 6 3'-6"

2 8'-10"

1

|| 2BARS,1ROD | ----- ||4BARS,3RODS | ----- ||8BARS,5RODS | ----- ||4BARS,3RODS | ----- ||8BARS,5RODS | -----

15'-10"

16'-0"

INLETS.

11" II 7 * 13 * 18 *

9" | || $\frac{1}{4}$ | 4'-10" || $\frac{1}{4}$ | 4'-0" | $\frac{1}{4}$ | 4'-0" |

6'-10"

5'-10"

3'-6"

8'-10"

5'-10" ||

10'

6 " VIII 7 8'-10" 7 13'-10" 7 18'-10" 7 8'-10"

3 11'-0"

6 10'-10"

11 3'-4" 22 3'-4" 33 3'-4"

2 8'-10"

1 10'-10"

*

ALL INLETS

11

*

1

L= → 5'

DI/

MARK

402

405

406

408

409

410

411

503

ø8[8.5

407

403

0.C.

1 1"

6"

5¹/2" || 5

11"

 412
 11"
 II

 413
 9"
 II

501 5¹/2" IV

502 5<u>/8"</u> 51/2" III

504 🕴 51/2" IX

601 2¹/2" V 2

3/4"

* VARIABLE, REFER TO TABLE TWO.

1 1<u>/2" 9"</u> 1

vi ll

____ II

12" || 3 |6'-10"

8["] II 6 5'-10"

IN. SPACING

CDOT MANHOLES STD. PLAN NO: M-604-20

11'-4" -----

16'-4" —

TRANSITION GUTTER

~ 2" All

AROUND

 $\frac{(\frac{1}{4})}{(\frac{1}{4})} \in$

* EMBEDMENT

CDOT TYPE R INLET STD. PLAN NO: M-604-12

48 HOURS BEFORE YOU DIG,	NO. REVISION	DATE	REVIEW:
811			PREPARED UNDER MY DIRECT SU
UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW			CLASSIC CONSULTING ENGINEERS
CATIONS OF EXISTING UNDERGROUND UTILITIES ARE			
DETERMINE THE EXACT LOCATION OF ALL EXISTING S BEFORE COMMENCING WORK. THE CONTRACTOR SHALL			
LY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND RVE ANY AND ALL UNDERGROUND UTILITIES.			DAVID L GIBSON, COLORADO P.

-3/4" DIA LIFTHOLE

4" FROM EDGE

