

LEGEND

- (7700) --- EXISTING CONTOUR
- 7700 --- 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
- HP PROPOSED HIGH POINT
- LP PROPOSED LOW POINT

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

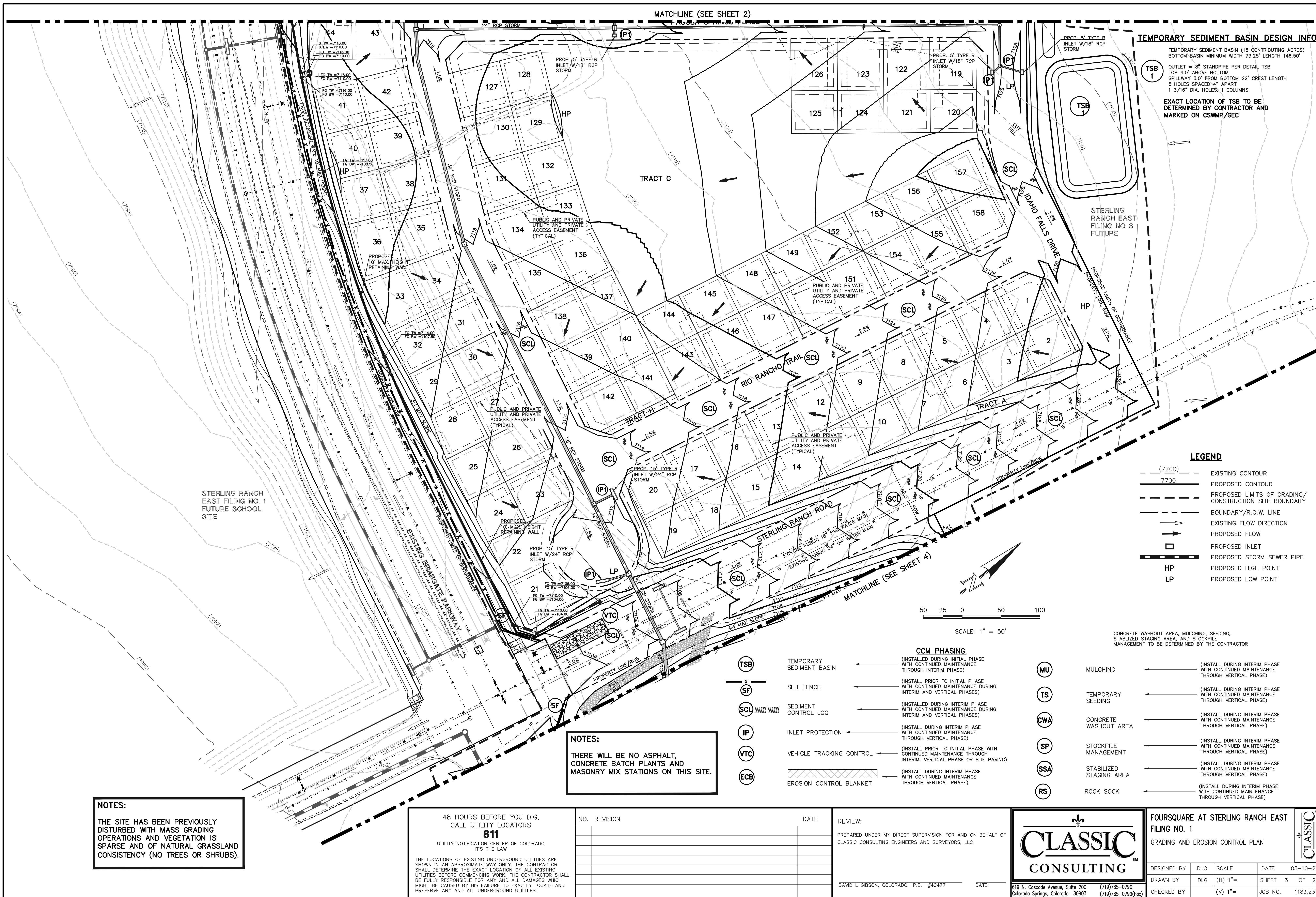
- (TSB) TEMPORARY SEDIMENT BASIN
- (SF) SILT FENCE
- (SCL) SEDIMENT CONTROL LOG
- (IP) INLET PROTECTION
- (VTC) VEHICLE TRACKING CONTROL
- (ECB) EROSION CONTROL BLANKET
- (MU) MULCHING
- (TS) TEMPORARY SEEDING
- (CWA) CONCRETE WASHOUT AREA
- (SP) STOCKPILE MANAGEMENT
- (SSA) STABILIZED STAGING AREA

- (RS) ROCK SOCK

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).

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS 811 UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW		NO. REVISION		DATE		REVIEW:	
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.						PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC	
						DAVID L GIBSON, COLORADO P.E. #46477	
						DATE	
						619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903	
						(719)785-0790 (719)785-0799(Fax)	
						CLASSIC CONSULTING	
						FOURSQUARE AT STERLING RANCH EAST FILING NO. 1 GRADING AND EROSION CONTROL PLAN	
						DESIGNED BY DLG SCALE 11-30-22	
						DRAWN BY DLG (H) 1"= SHEET 2 OF 29	
						CHECKED BY (V) 1"= JOB NO. 1183.23	



TEMPORARY SEDIMENT BASIN DESIGN INFO

TEMPORARY SEDIMENT BASIN (15 CONTRIBUTING ACRES)
BOTTOM BASIN MINIMUM WIDTH 73.25' LENGTH 146.50'

OUTLET = 8" STANDPIPE PER DETAIL TSB
TOP 4.0' ABOVE BOTTOM
SPILLWAY 3.0' FROM BOTTOM 22' CREST LENGTH
5 HOLES SPACED 4" APART
1 3/16" DIA. HOLES; 1 COLUMNS

EXACT LOCATION OF TSB TO BE
DETERMINED BY CONTRACTOR AND
MARKED ON CSWP/CEC

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

CCM PHASING			
(TSB) TEMPORARY SEDIMENT BASIN	(INSTALL DURING INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM PHASE)	(MU) MULCHING	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)
(SF) SILT FENCE	(INSTALL PRIOR TO INITIAL PHASE WITH CONTINUED MAINTENANCE DURING INTERIM AND VERTICAL PHASES)	(TS) TEMPORARY SEEDING	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)
(SCL) SEDIMENT CONTROL LOG	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE DURING INTERIM AND VERTICAL PHASES)	(CWA) CONCRETE WASHOUT AREA	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)
(IP) INLET PROTECTION	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)	(SP) STOCKPILE MANAGEMENT	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)
(VTC) VEHICLE TRACKING CONTROL	(INSTALL PRIOR TO INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM, VERTICAL PHASE OR SITE PAVING)	(SSA) STABILIZED STAGING AREA	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)
(ECB) EROSION CONTROL BLANKET	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)	(RS) ROCK SOCK	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)

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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	DAVID L GIBSON, COLORADO P.E. #46477	DATE	CLASSIC CONSULTING 619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903 (719)785-0790 (719)785-0799(Fax)	FOURSQUARE AT STERLING RANCH EAST FILING NO. 1 GRADING AND EROSION CONTROL PLAN			
								DESIGNED BY	DLG	SCALE	DATE
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								CHECKED BY		(V) 1"=	JOB NO. 1183.23

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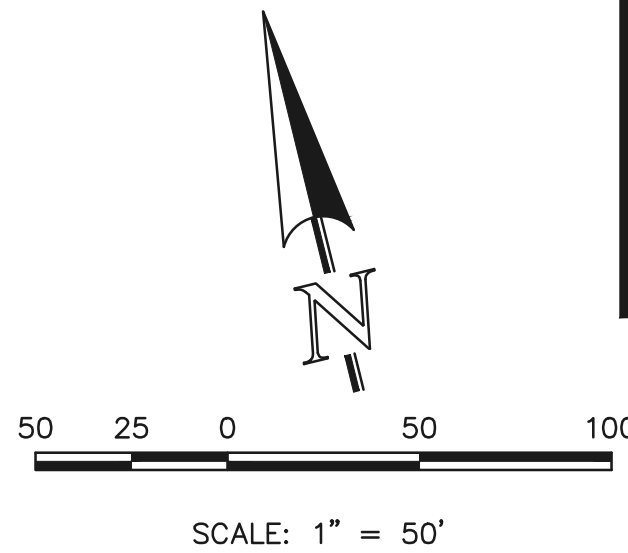
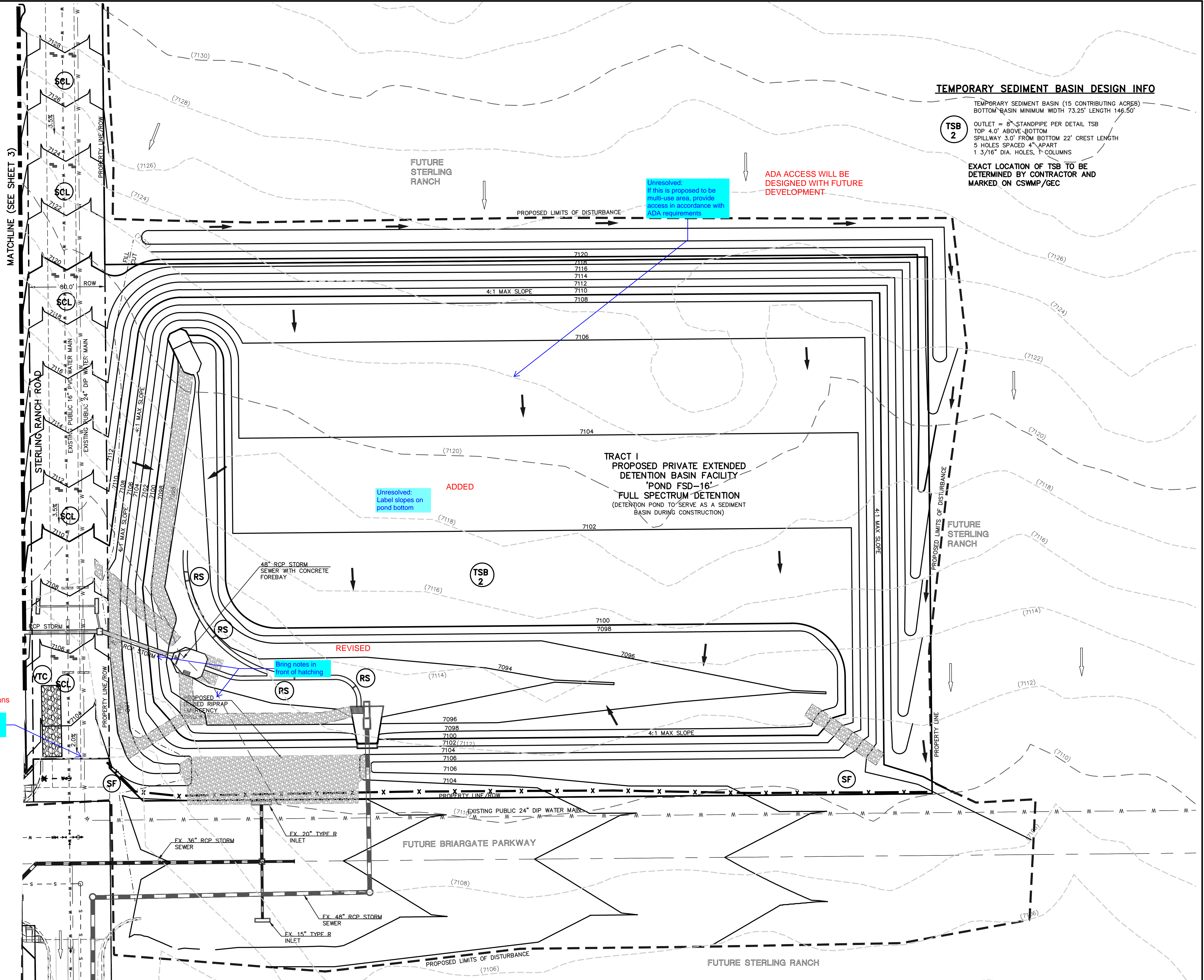
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See note on street plans

Unresolved:
Verify road width per
PUDSP comments

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UTILITY NOTIFICATION CENTER OF COLORADO
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NO. REVISION

DATE

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

DAVID L GIBSON, COLORADO P.E. #46477

DATE

CLASSIC
CONSULTING

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

(719)785-0790
(719)785-0799(Fax)

FOURSQUARE AT STERLING RANCH EAST
FILING NO. 1

GRADING AND EROSION CONTROL PLAN

DESIGNED BY	DLG	SCALE	DATE	11-30-22
DRAWN BY	DLG	(H) 1"=	SHEET	4 OF 29
CHECKED BY		(V) 1"=	JOB NO.	1183.23

CLASSIC
CONSULTING

EL PASO COUNTY GRADING AND EROSION CONTROL NOTES:

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 MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.
2. 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.
3. A SEPARATE STORMWATER MANAGEMENT PLAN (SWMP) 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 TEMPORARY 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 LOOSENEED 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.
15. EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
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 MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
17. 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 PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
18. TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
19. 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 APPURTENANCES 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 GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY 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.
26. PRIOR TO CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
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:

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

CONSTRUCTION CONTROL MEASURES NOTES:

1. 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 '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.

EROSION CONTROL CRITERIA:

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

- 1.) THE OMISSION FROM OR THE INCLUSION OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS THE NON-EXISTENCE OF OR A DEFINITE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- 2.) DURING GRADING OPERATIONS, LOCATE AND SET THE STRAW BALE CHECK DAMS AND SILT FENCES AS SHOWN ON THE EROSION CONTROL PLAN. AT THIS TIME RESEED ALL DISTURBED AREAS WITH AN EL PASO COUNTY APPROVED SEED MIX.
- 3.) SEEDING APPLICATION: DRILLED TO A DEPTH OF '25" TO '50" INTO SOIL WHERE POSSIBLE. BROADCAST AND RAKED TO COVER ON STEEPER THAN 3:1 SLOPES WHERE ACCESS IS LIMITED OR UNSAFE FOR EQUIPMENT.
- 4.) MULCHING REQUIREMENT AND APPLICATION: 1.5 TONS PER ACRE NATIVE HAY MECHANICALLY CRIMPED INTO SOIL.
- 5.) THE STRAW BALE CHECK DAMS AND SILT FENCES SHALL BE KEPT IN PLACE AND MAINTAINED UNTIL EROSION AND SEDIMENTATION POTENTIAL IS MITIGATED. REMOVAL OF SILT AND SEDIMENT COLLECTED BY THE STRAW BALES IS REQUIRED ONCE IT REACHES HALF THE HEIGHT OF THE STRAW BALES OR SILT FENCE.
- 6.) SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN TWENTY-ONE (21) CALENDAR DAYS AFTER FINAL GRADING, OR FINAL EARTH DISTURBANCE, HAS BEEN COMPLETED. DISTURBED AREAS AND STOCKPILES WHICH ARE NOT AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS SHALL ALSO BE MULCHED WITHIN 21 DAYS AFTER INTERIM GRADING. AN AREA THAT IS GOING TO REMAIN IN AN INTERIM STATE FOR MORE THAN 60 DAYS SHALL ALSO BE SEEDED, ON A CASE-BY-CASE BASIS. THE MS4 PERMITTEE MAY ALLOW ANOTHER APPROPRIATE BMP TO BE IN PLACE THAT PREVENTS SEDIMENT FROM LEAVING THE SITE. ALL TEMPORARY SORIL EROSION CONTROL MEASURES AND BMP'S SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED.
- 7.) ALL FACILITIES, VEGETATION AND OTHER ITEMS REQUIRED BY THE APPROVED FINAL GRADING, EROSION CONTROL AND RECLAMATION PLAN SHALL BE PROPERLY MAINTAINED BY THE OWNERS OF THE PROPERTY. SUCH MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO KEEPING ALL EROSION CONTROL FACILITIES IN GOOD ORDER AND FUNCTIONAL, REPAIRING ANY EROSION DAMAGE THAT OCCURS, KEEPING ALL VEGETATION HEALTHY AND IN GROWING CONDITION AND REPLACING ANY DEAD VEGETATION AS SOON AS PRACTICABLE.
- 8.) ALL SILT FENCES ARE TO BE REGULARLY INSPECTED AND REPAIRED AS NEEDED.
- 9.) THE CONTRACTOR SHALL PROVIDE VEHICLE TRACKING CONTROL FACILITIES FOR EACH ENTRANCE/EXIT TO THE SITE. THE CONTRACTOR SHALL SUBMIT A PLAN WHICH WILL ASSURE USAGE OF THIS FACILITY BY ALL VEHICLES LEAVING THE SITE.
- 10.) EROSION CONTROL MEASURES SHALL BE CHECKED AFTER EACH STORM EVENT AND REPAIRED WHEN NECESSARY.
- 11.) 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.
- 12.) ADDITIONAL EROSION CONTROL STRUCTURES MAY BE REQUIRED AT THE TIME OF CONSTRUCTION.
- 13.) THE EROSION CONTROL MEASURES OUTLINED ON THE PLAN ARE THE RESPONSIBILITY OF THE DEVELOPER TO MONITOR AND REPLACE, REGRADE AND REBUILD AS NECESSARY UNTIL VEGETATION IS ESTABLISHED.
- 14.) MAXIMUM ACREAGE OPEN AT ANY GIVEN TIME IS TO BE 30 ACRES.

SEEDING GUIDELINES:

1. SEEDBED PREPARATION

THE SEEDBED SHOULD BE WELL-SETTLED AND FIRM, BUT FRIABLE ENOUGH THAT 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.

2. FERTILIZER

FERTILIZER SHOULD BE APPLIED AT A RATE OF 50 POUNDS OF AVAIL-ABLE NITROGEN 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.

3. SEEDING

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 SPREADER, 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 INCORPORATED 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.

4. MULCHING

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.

5. 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 DEFICIENT 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 SNALES 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.

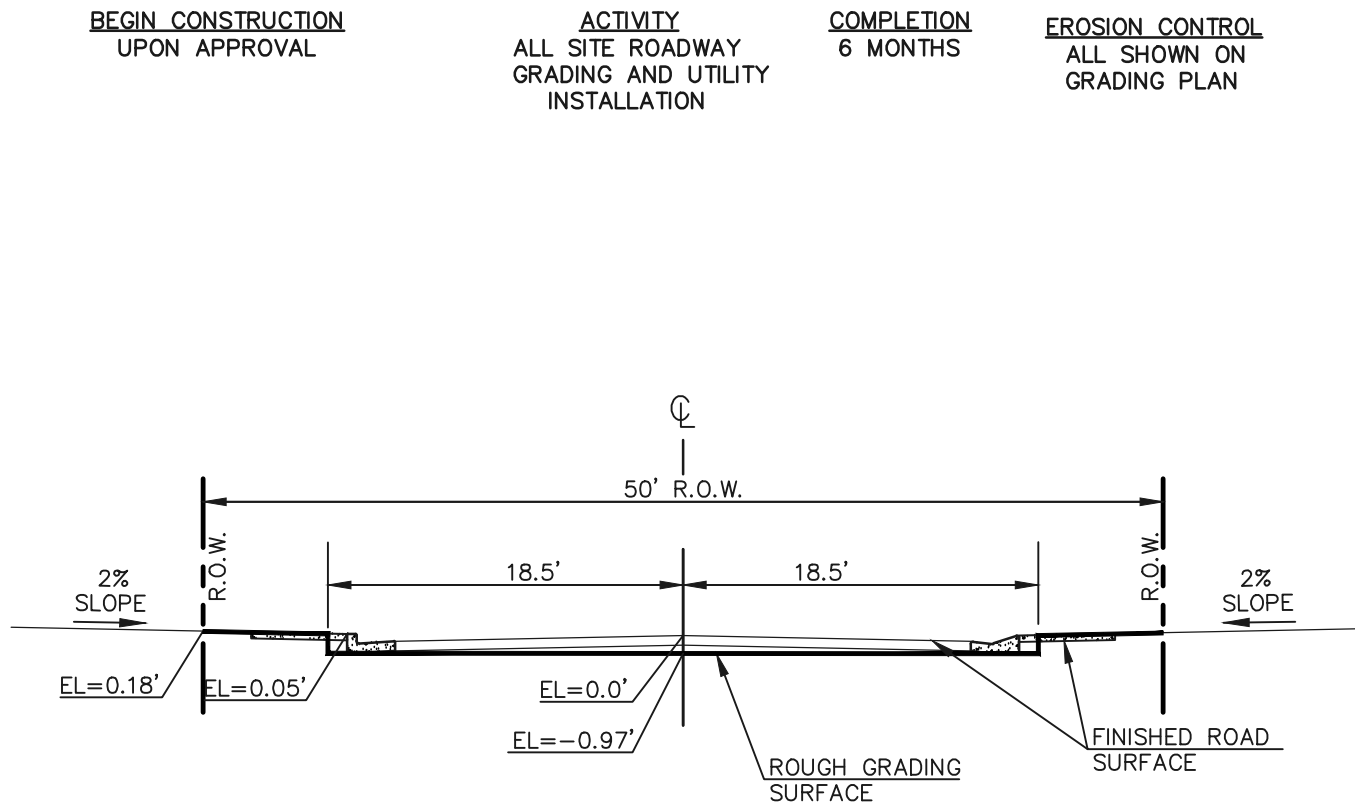
GRADING WITHIN THIS PHASE WILL BE FULLY DEVELOPED WITH HOME BUILDING OPERATIONS.

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 RESEEDD OUTSIDE OF THE FILING NO. 1 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

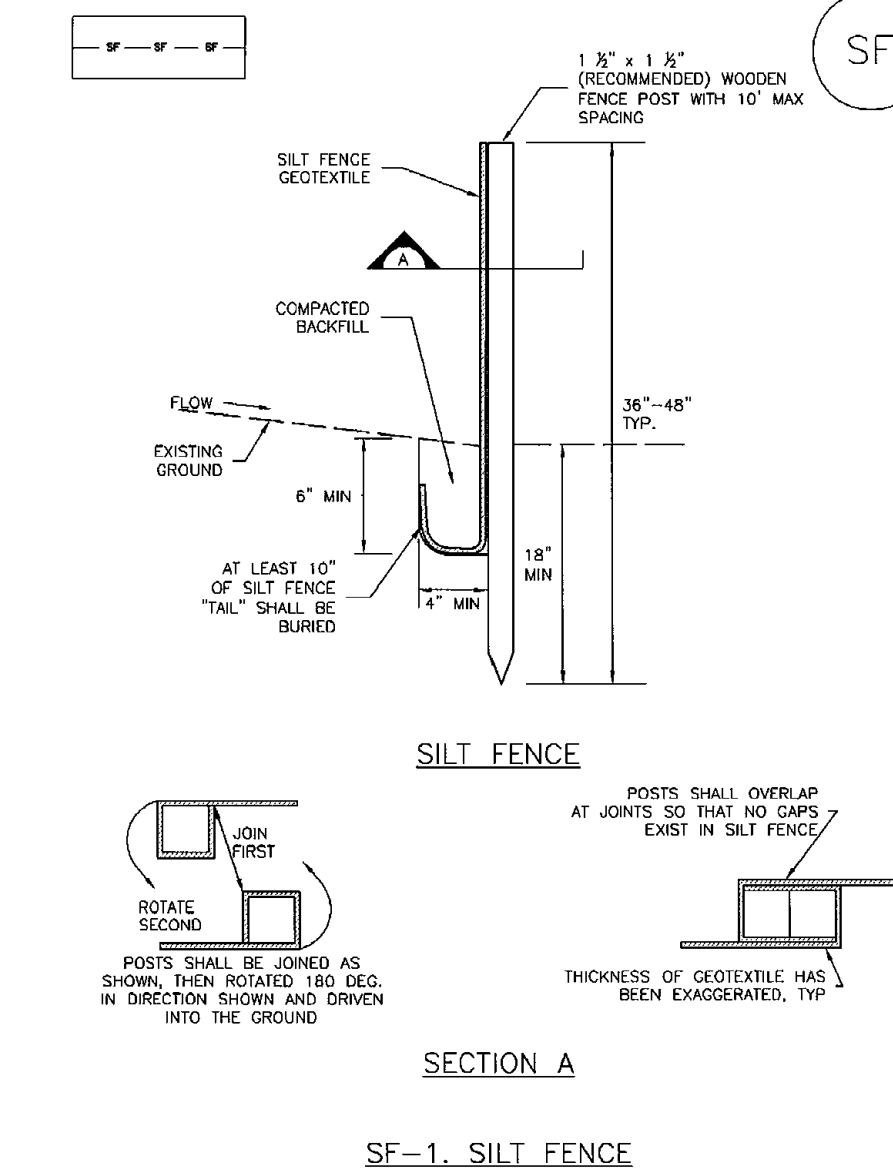


50' R.O.W. TYPICAL STREET SECTION
HOLD-DOWN OVERLOT GRADING IN ROADWAYS
SCALE 1" = 10'

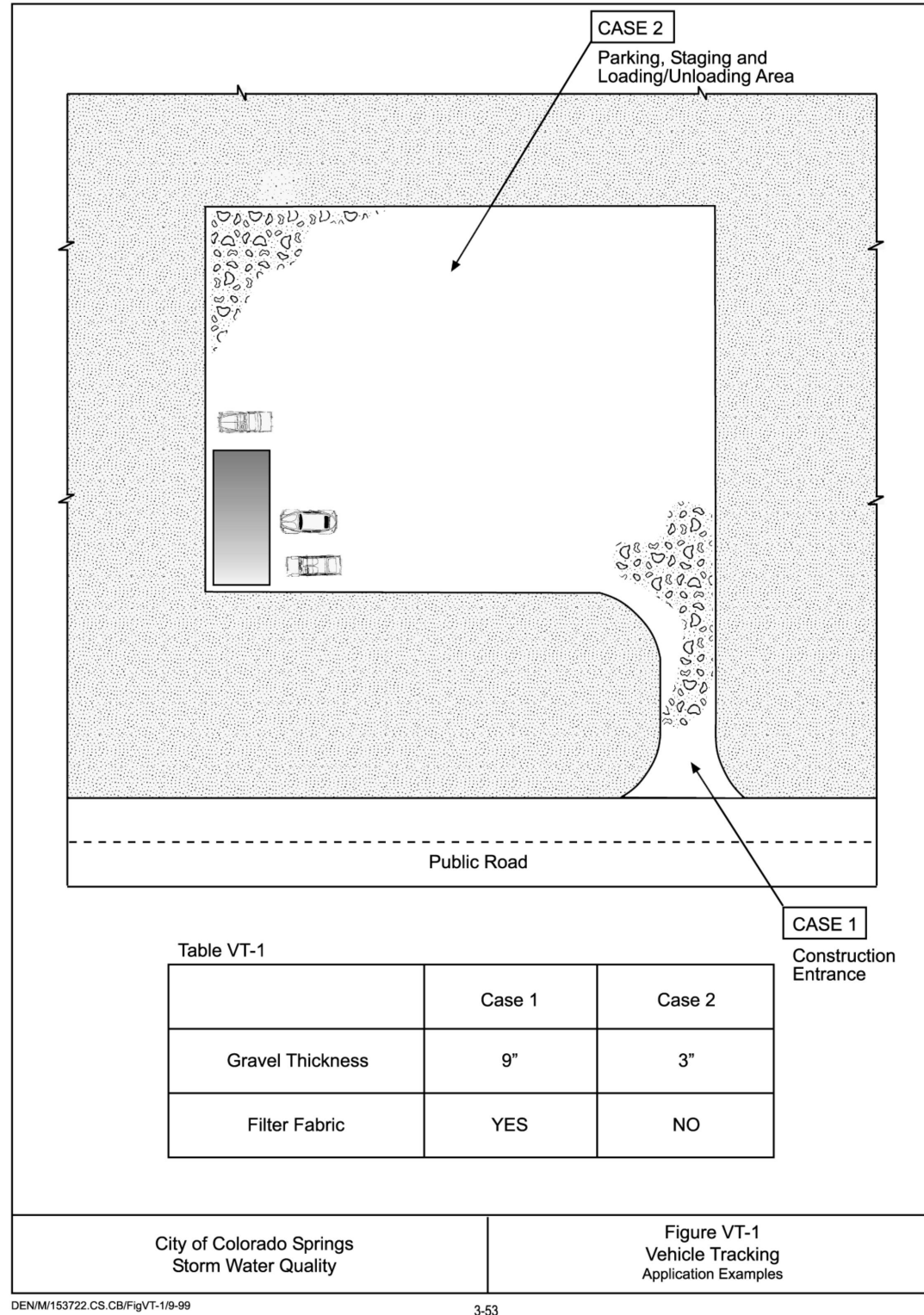
PCD FILE #

<div>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS</div> <div>811</div> <div>UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW</div> <div>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.</div>	NO. REVISION		DATE		<div>REVIEW:</div> <div>PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC</div> <div>DAVID L GIBSON, COLORADO P.E. #46477</div> <div>DATE</div>	<div><div>CLASSIC CONSULTING</div><div>619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903</div><div>(719)785-0790 (719)785-0799(fax)</div></div>	FOURSQUARE AT STERLING RANCH EAST FILING NO. 1				<div>CLASSIC CONSULTING</div>	
							GRADING AND EROSION CONTROL PLAN					
							NOTES & DETAIL SHEET					
							DESIGNED BY	MES	SCALE	DATE		11-30-22
							DRAWN BY	MES	(H) 1"= N/A	SHEET		5 OF 29
							CHECKED BY		(V) 1"= N/A	JOB NO.		1183.23

Silt Fence (SF) SC-1

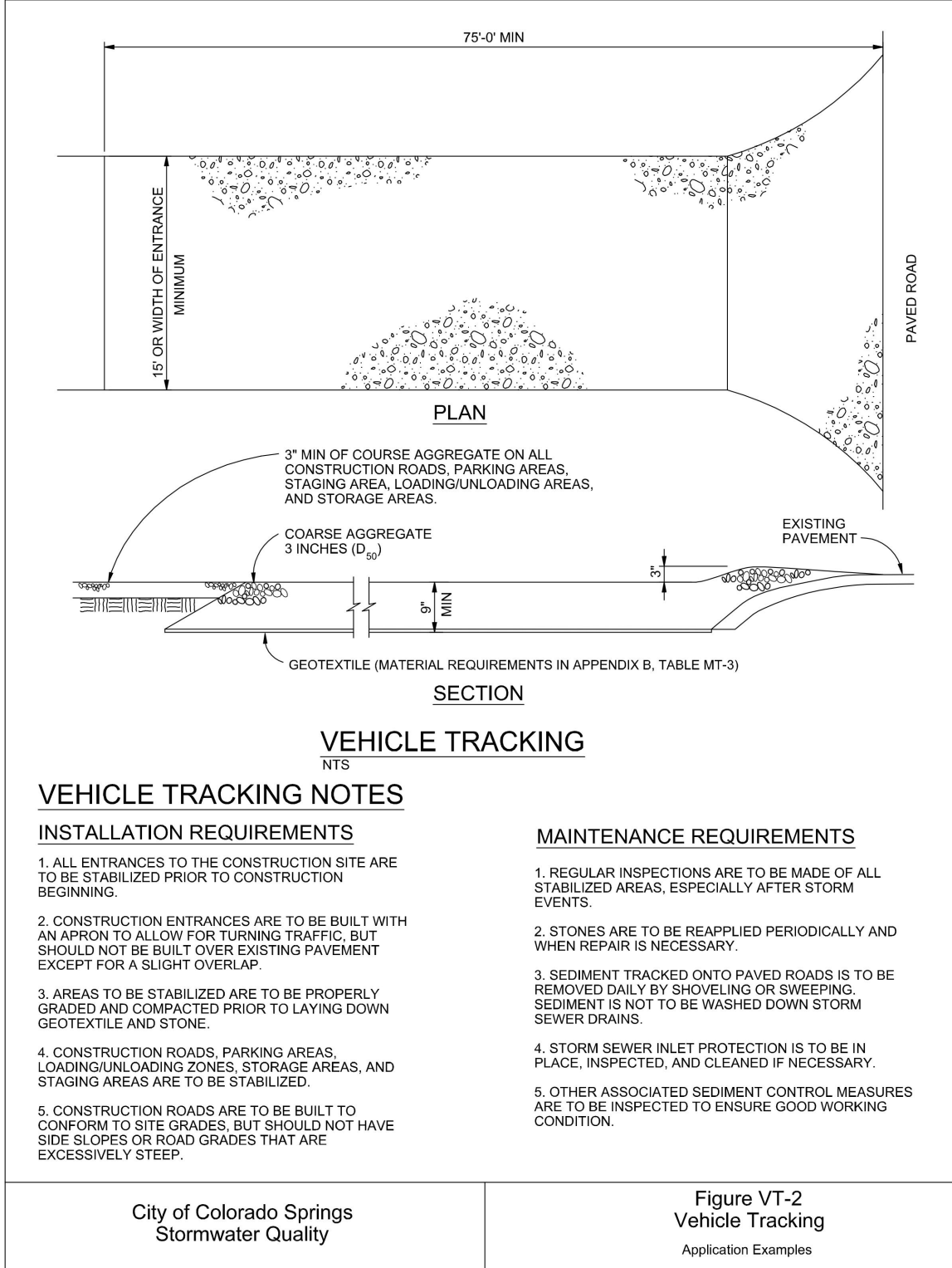


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City of Colorado Springs
Stormwater Quality

3-53

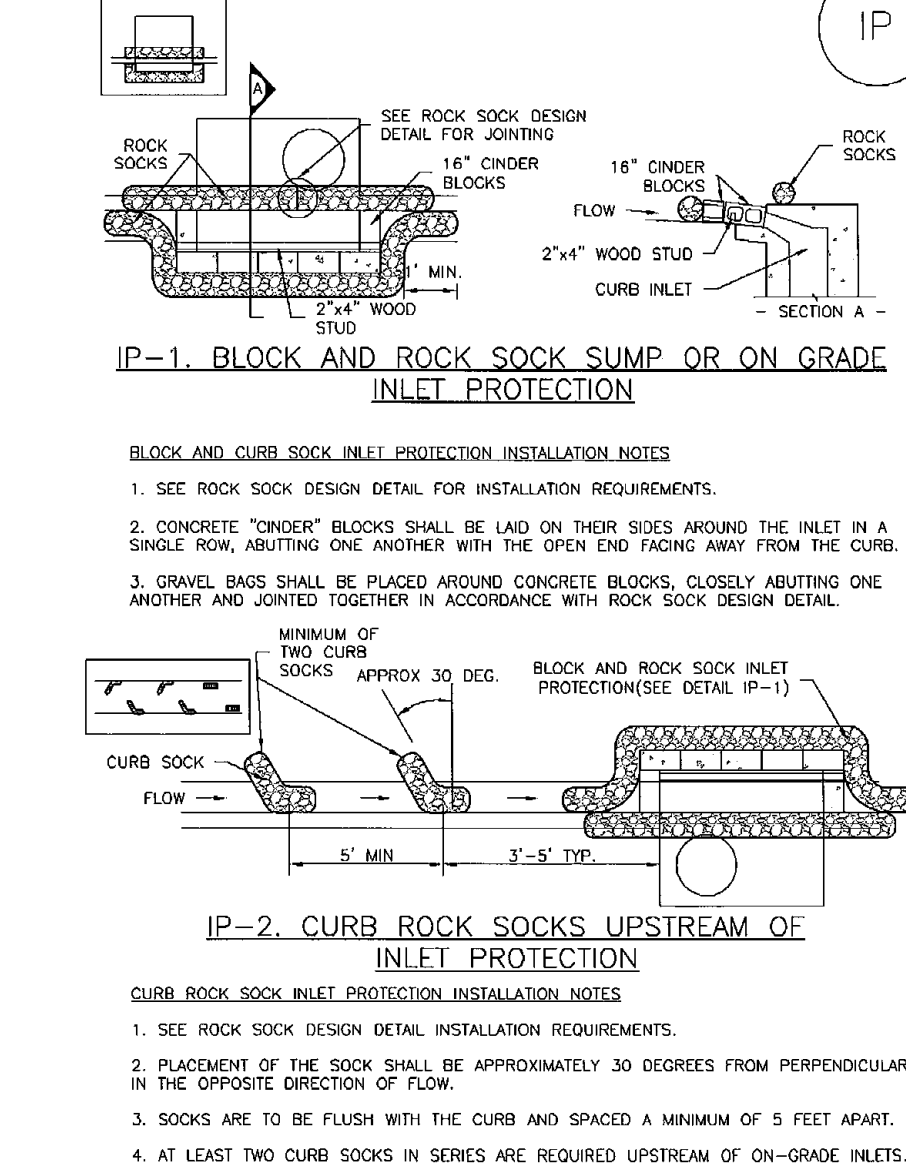


City of Colorado Springs
Stormwater Quality

Figure VT-2
Vehicle Tracking
Application Examples

3-54

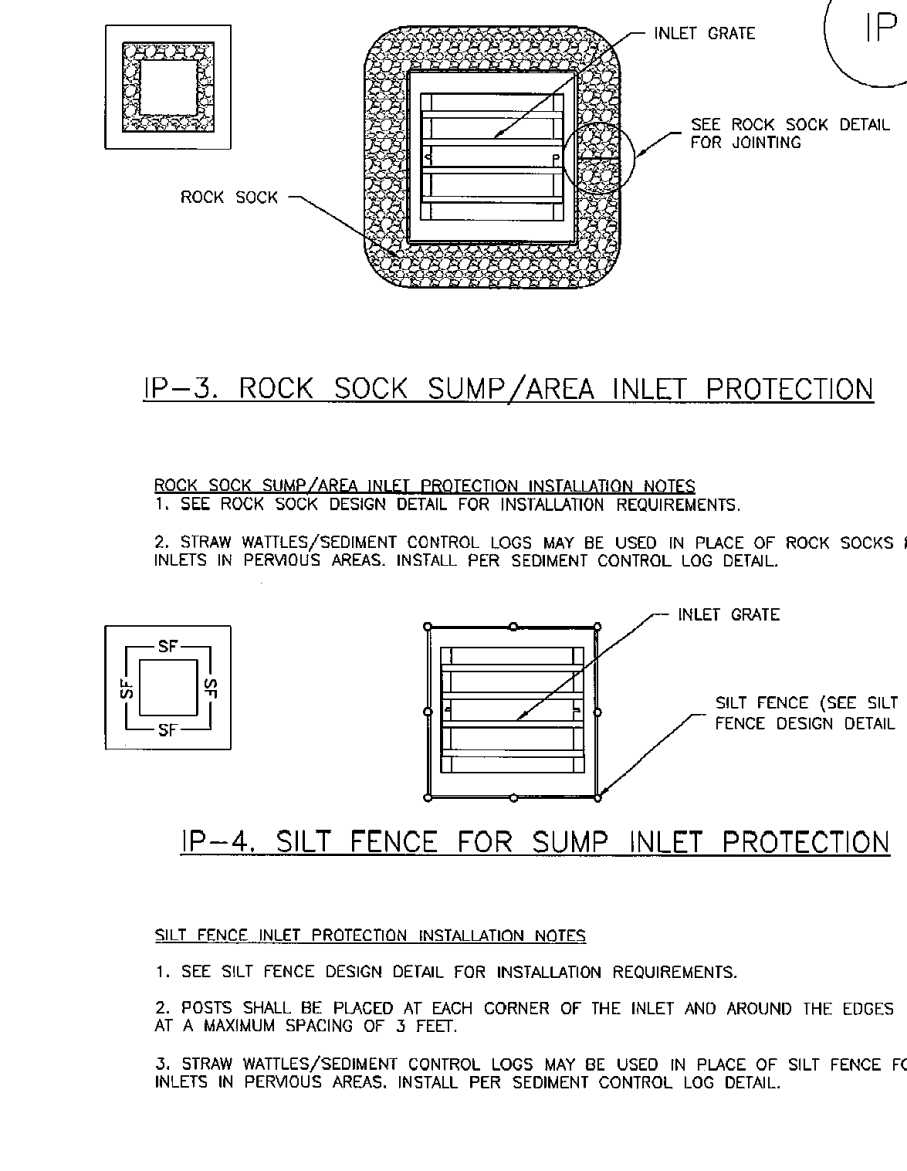
SC-6 Inlet Protection (IP)



IP-4 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3

August 2013

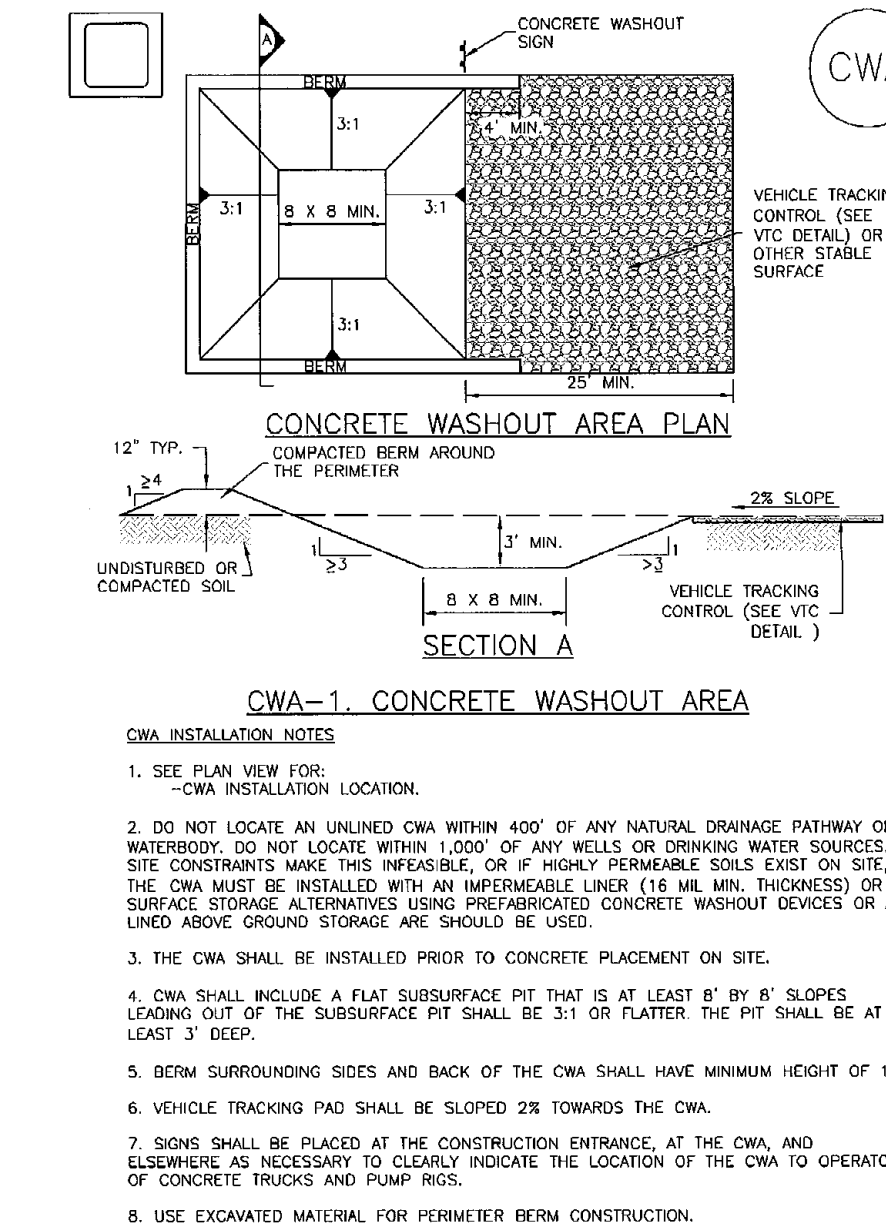
Inlet Protection (IP) SC-6



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IP-5

Concrete Washout Area (CWA) MM-1



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CWA-3

Mulching (MU) EC-4

Description

Mulching consists of evenly applying straw, hay, shredded wood mulch, rock, bark or compost to disturbed soils and securing the mulch by crimping, tackifiers, 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 methods or using hydromulching equipment that hydraulically applies a slurry of water, wood fiber mulch, and often a tackifier.

Appropriate Uses

Use mulch in conjunction with seeding to help protect the seedbed and stabilize the soil. Mulch can also be used as a temporary cover on low to mild slopes to help temporarily stabilize disturbed areas where growing season constraints prevent effective reseeded. Disturbed areas should be properly mulched and tacked, or seeded, mulched and tacked promptly after final grade is reached (typically within no longer than 14 days) on portions of the site not otherwise permanently stabilized.

Standard dry mulching is encouraged in most jurisdictions; however, hydromulching may not be allowed in certain jurisdictions or may not be allowed near waterways.

Do not apply mulch during windy conditions.

Design and Installation

Prior to mulching, surface-roughen areas by rolling with a crimping or punching type roller or by track walking. Track walking should only be used where other methods are impractical because track walking with heavy equipment typically compacts the soil.

A variety of mulches can be used effectively at construction sites. Consider the following:

Mulch	
Functions	
Erosion Control	Yes
Sediment Control	Moderate
Site/Material Management	No

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MU-1

Temporary and Permanent Seeding (TS/PS) EC-2

Description

Temporary seeding can be used to stabilize disturbed areas that will be inactive for an extended period. Permanent seeding should be used to stabilize areas at final grade that will not be otherwise stabilized. Effective seeding includes preparation of a seedbed, selection of an appropriate seed mixture, proper planting techniques, and protection of the seeded area with mulch, geotextiles, or other appropriate measures.

Appropriate Uses

When the soil surface is disturbed and will remain inactive for an extended period (typically 30 days or longer), proactive stabilization measures should be implemented. If the inactive period is short-lived (on the order of two weeks), techniques such as surface roughening may be appropriate. For longer periods of inactivity, temporary seeding and mulching can provide effective erosion control. Permanent seeding should be used on finished areas that have not been otherwise stabilized.

Typically, local governments have their own seed mixes and timelines for seeding. Check jurisdictional requirements for seeding and temporary stabilization.

Design and Installation

Effective seeding requires proper seedbed preparation, selection of an appropriate seed mixture, use of appropriate seeding equipment to ensure proper coverage and density, and protection with mulch or fabric until plants are established.

The USDCM Volume 2 *Vegetation* Chapter contains detailed seed mix, soil preparations, and seeding and mulching recommendations that may be referenced to supplement this Fact Sheet.

Drill seeding is the preferred seeding method. Hydroseding is not recommended except in areas where steep slopes prevent use of drill seeding equipment, and even in these instances it is preferable to hand seed and mulch. Some jurisdictions do not allow hydroseding or hydromulching.

Seedbed Preparation

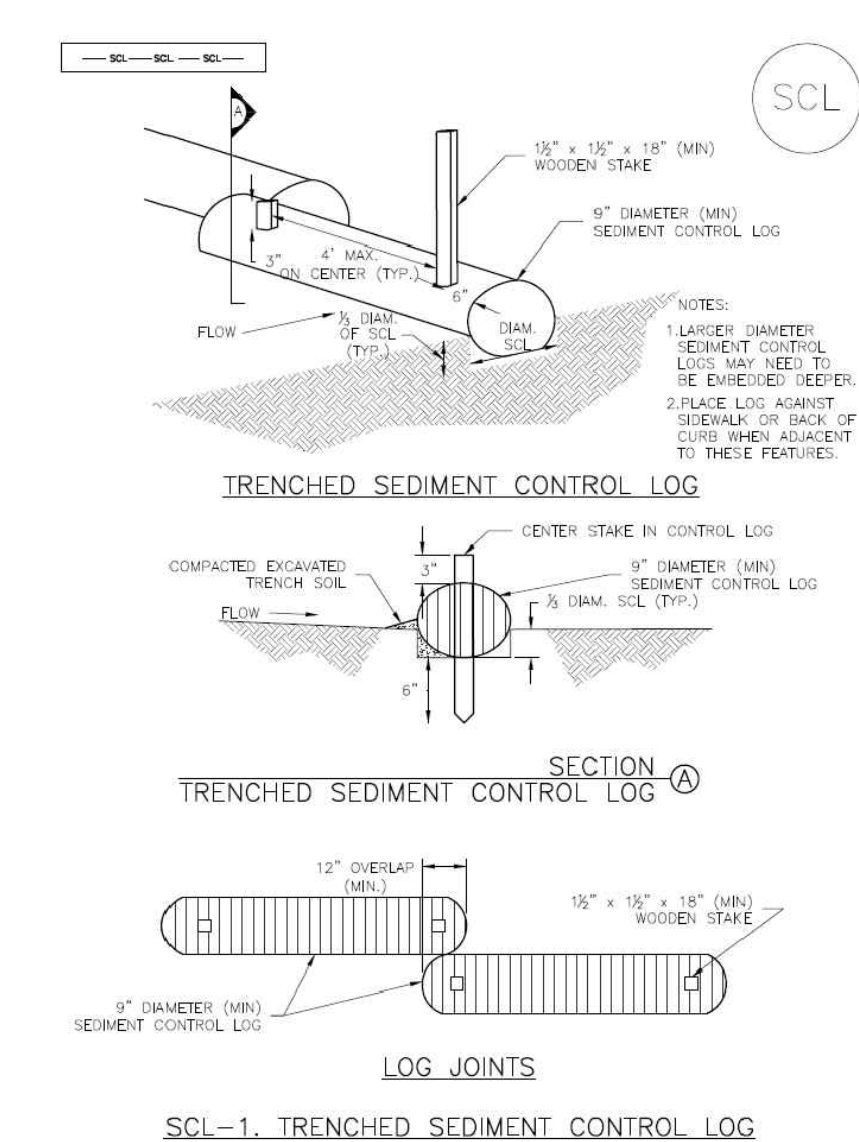
Prior to seeding, ensure that areas to be revegetated have soil conditions capable of supporting vegetation. Overlaid grading can result in loss of topsoil, resulting in poor quality subsoils at the ground surface that have low nutrient value, little organic matter content, few soil microorganisms, rooting restrictions, and conditions less conducive to infiltration of precipitation. As a result, it is typically necessary to provide stockpiled topsoil, compost, or other

Temporary and Permanent Seeding	
Functions	
Erosion Control	Yes
Sediment Control	No
Site/Material Management	No

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TS/PS-1

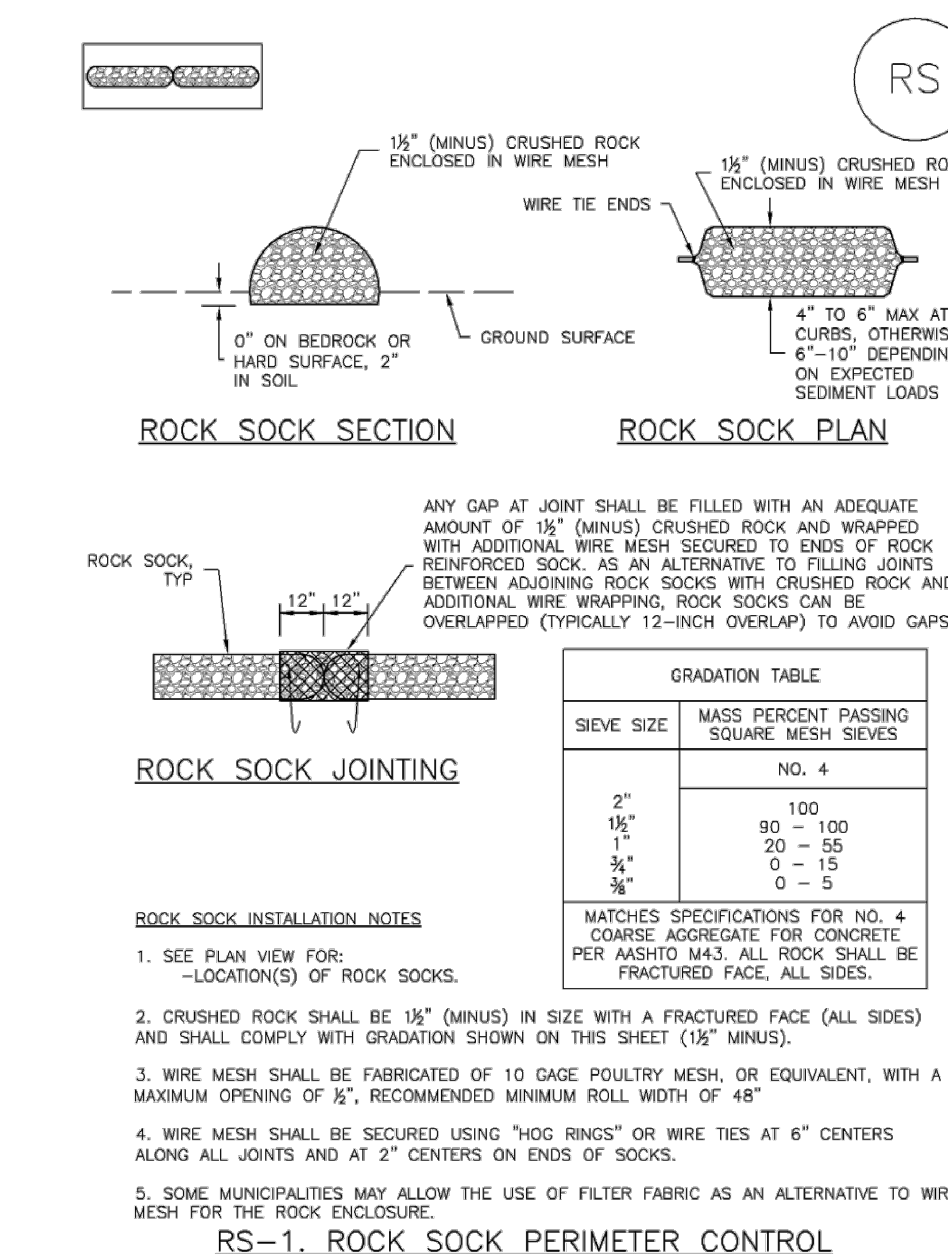
SC-2 Sediment Control Log (SCL)



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SCL-3

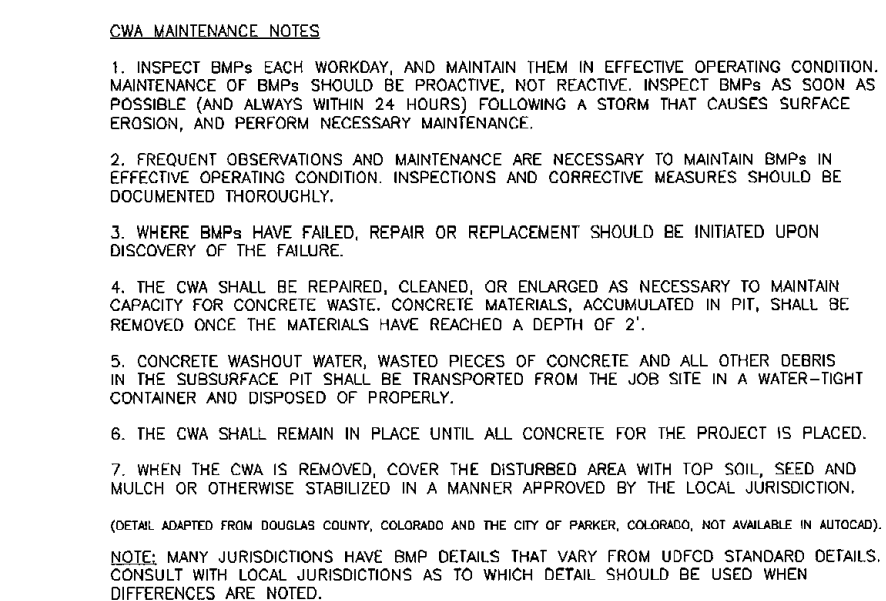
SC-5 Rock Sock (RS)



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RS-2

MM-1 Concrete Washout Area (CWA)



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IT'S THE LAW

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.

NO. REVISION

DATE

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

DAVID L. GIBSON, COLORADO P.E. #46477

DATE

CLASSIC CONSULTING

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

(719) 785-0790
(719) 785-0799 (Fax)

FOURSQUARE AT STERLING RANCH EAST
FLING NO. 1

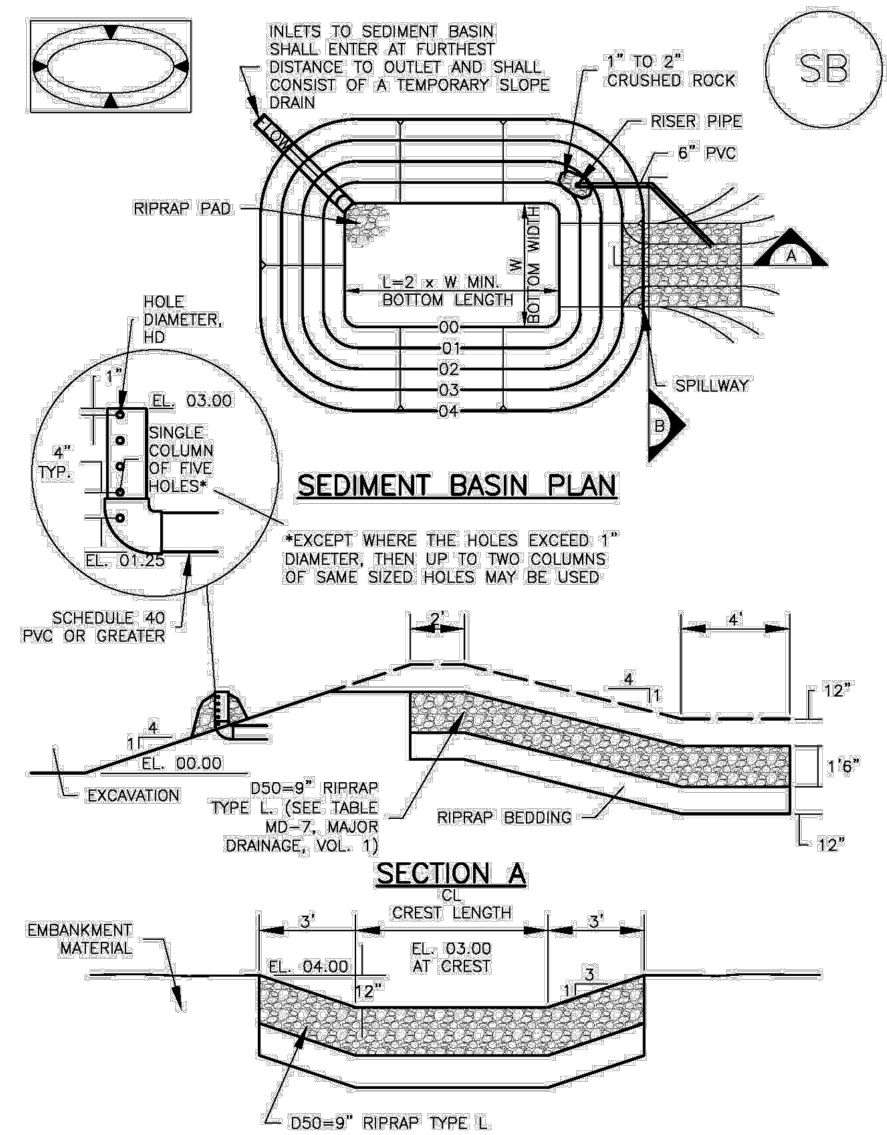
GRADING AND EROSION CONTROL PLAN
DETAIL SHEET

DESIGNED BY	DLG	SCALE	DATE	02-24-23
DRAWN BY	DLG	(H) 1"= N/A	SHEET	6 OF 29
CHECKED BY	(V) 1"= N/A	JOB NO.	1183.30	

CLASSIC CONSULTING

Sediment Basin (SB)

SC-7



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SB-5

SC-7

Sediment Basin (SB)

TABLE SB-1. SIZING INFORMATION FOR STANDARD SEDIMENT BASIN				
Upstream Drainage Area (rounded to nearest acre), (ac)	Basin Bottom Width (W), (ft)	Spillway Crest Length (CL), (ft)	Hole Diameter (HD), (in)	
1	12 1/2	2	8 1/2	
2	21	3	10 1/2	
3	28	4	12 1/2	
4	33 1/2	6	14 1/2	
5	38 1/2	8	16 1/2	
6	43 1/2	9	18 1/2	
7	47 1/2	11	20 1/2	
8	51	12	22 1/2	
9	55	13	24 1/2	
10	58 1/2	15	26 1/2	
11	61	16	28 1/2	
12	64	18	30 1/2	
13	67 1/2	19	32 1/2	
14	70 1/2	21	34 1/2	
15	73 1/2	22	36 1/2	

SEDIMENT BASIN INSTALLATION NOTES

- SEE PLAN VIEW FOR:
 - LOCATION OF SEDIMENT BASIN.
 - TYPE OF BASIN (STANDARD BASIN OR NONSTANDARD BASIN).
 - FOR STANDARD BASIN, BOTTOM WIDTH W, CREST LENGTH CL, AND HOLE DIAMETER, HD.
 - FOR NONSTANDARD BASIN, SEE CONSTRUCTION DRAWINGS FOR DESIGN OF BASIN INCLUDING RISER HEIGHT H, NUMBER OF COLUMNS N, HOLE DIAMETER HD AND PIPE DIAMETER D.
- FOR STANDARD BASIN, BOTTOM DIMENSION MAY BE MODIFIED AS LONG AS BOTTOM AREA IS NOT REDUCED.
- SEDIMENT BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER LAND-DISTURBING ACTIVITY THAT RELIES ON OR BASINS AS A STORMWATER CONTROL.
- EMBANKMENT MATERIAL SHALL CONSIST OF SOIL FREE OF DEBRIS, ORGANIC MATERIAL, AND ROCKS OR CONCRETE GREATER THAN 3 INCHES AND SHALL HAVE A MINIMUM OF 15 PERCENT BY WEIGHT PASSING THE NO. 200 SIEVE.
- EMBANKMENT MATERIAL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D698.
- PIPE SCH 40 OR GREATER SHALL BE USED.
- THE DETAILS SHOWN ON THESE SHEETS PERTAIN TO STANDARD SEDIMENT BASIN(S) FOR DRAINAGE AREAS LESS THAN 15 ACRES. SEE CONSTRUCTION DRAWINGS FOR EMBANKMENT, STORAGE, SPILLWAY, OUTLET, AND OUTLET PROTECTION DETAILS FOR ANY SEDIMENT BASIN(S) THAT HAVE BEEN INDIVIDUALLY DESIGNED FOR DRAINAGE AREAS LARGER THAN 15 ACRES.

SB-6 Urban Drainage and Flood Control District
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Sediment Basin (SB)

SC-7

SEDIMENT BASIN MAINTENANCE NOTES

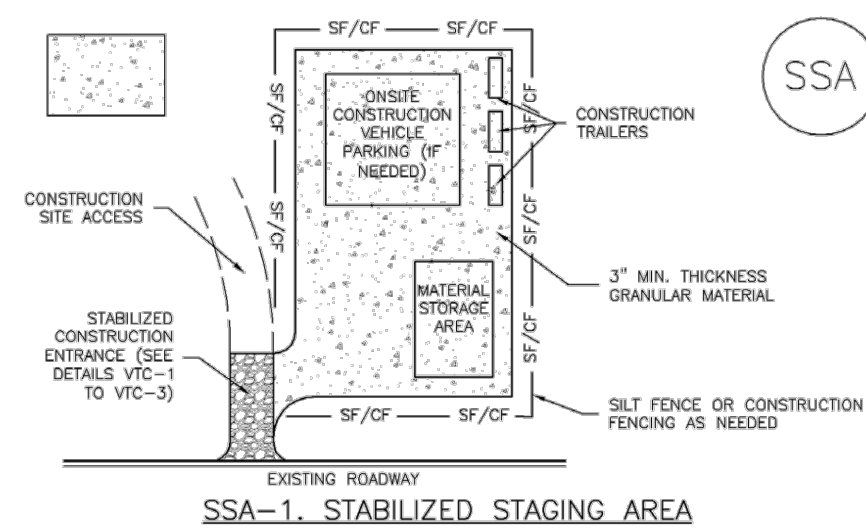
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - SEDIMENT ACCUMULATED IN BASIN SHALL BE REMOVED AS NEEDED TO MAINTAIN BMP EFFECTIVENESS. TYPICALLY WHEN SEDIMENT DEPTH REACHES ONE FOOT (I.E., TWO FEET BELOW THE SPILLWAY CREST).
 - SEDIMENT BASINS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRASS COVER IS ACCEPTED BY THE LOCAL JURISDICTION.
 - WHEN SEDIMENT BASINS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.
- (DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO)
- 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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SB-7

Stabilized Staging Area (SSA)

SM-6



STABILIZED STAGING AREA INSTALLATION NOTES

- SEE PLAN VIEW FOR:
 - LOCATION OF STAGING AREAS.
 - CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.
 - STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE. OVERSIZING RESULTS IN A LARGER AREA TO STABILIZE FOLLOWING CONSTRUCTION.
 - STAGING AREA SHALL BE STABILIZED PRIOR TO OTHER OPERATIONS ON THE SITE.
 - THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM 3" THICK GRANULAR MATERIAL.
 - UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AND/TO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.
 - ADDITIONAL PERIMETER BMPs MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO SILT FENCE AND CONSTRUCTION FENCING.
- STABILIZED STAGING AREA MAINTENANCE NOTES
- 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.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

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SSA-3

SM-6

Stabilized Staging Area (SSA)

STABILIZED STAGING AREA MAINTENANCE NOTES

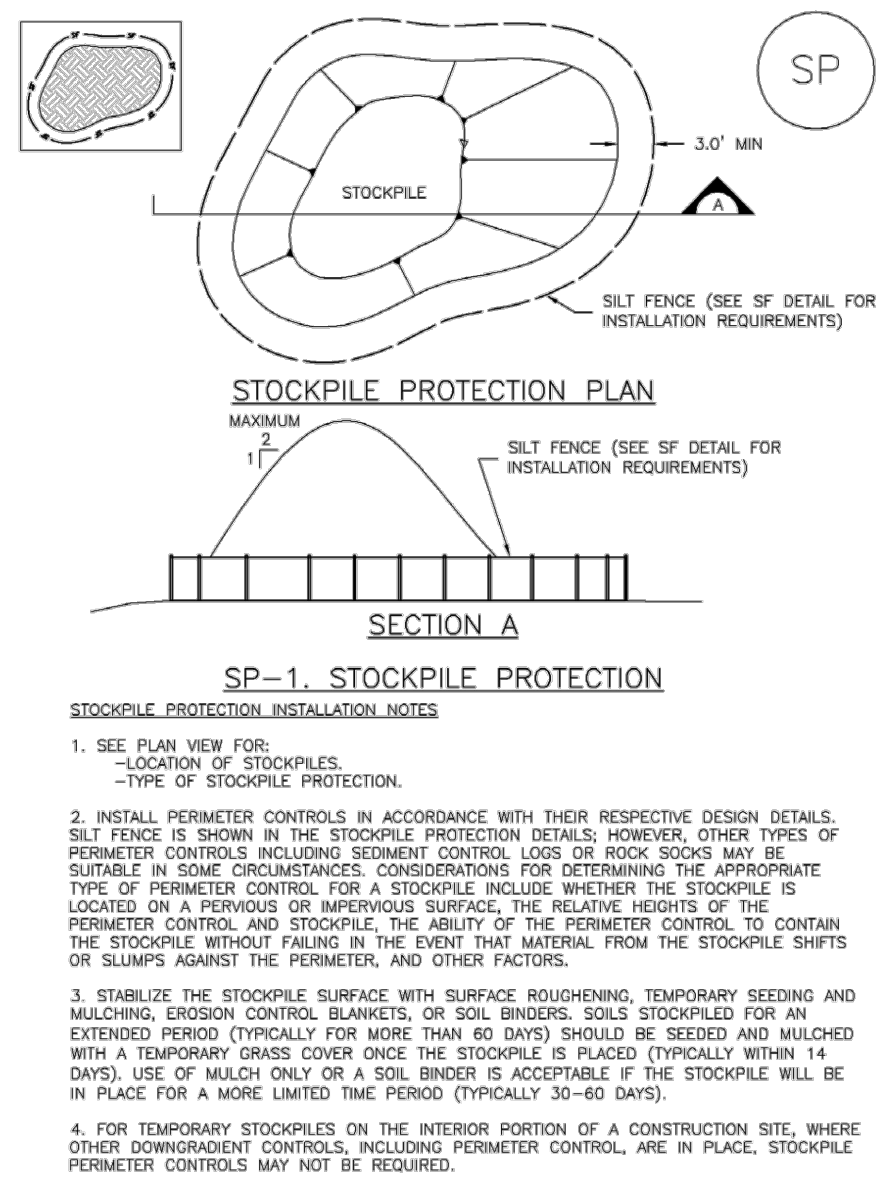
- STABILIZED STAGING AREA SHALL BE CHANGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.
 - THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY THE LOCAL JURISDICTION, USED ON SITE, AND THE AREA COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.
- NOTE: MANY JURISDICTIONS PROHIBIT THE USE OF RECYCLED CONCRETE AS GRANULAR MATERIAL FOR STABILIZED STAGING AREAS DUE TO DIFFICULTIES WITH RE-ESTABLISHMENT OF VEGETATION IN AREAS WHERE RECYCLED CONCRETE WAS PLACED.
- 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.
- (DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)

SSA-4 Urban Drainage and Flood Control District
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Stockpile Management (SP)

MM-2



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SP-3

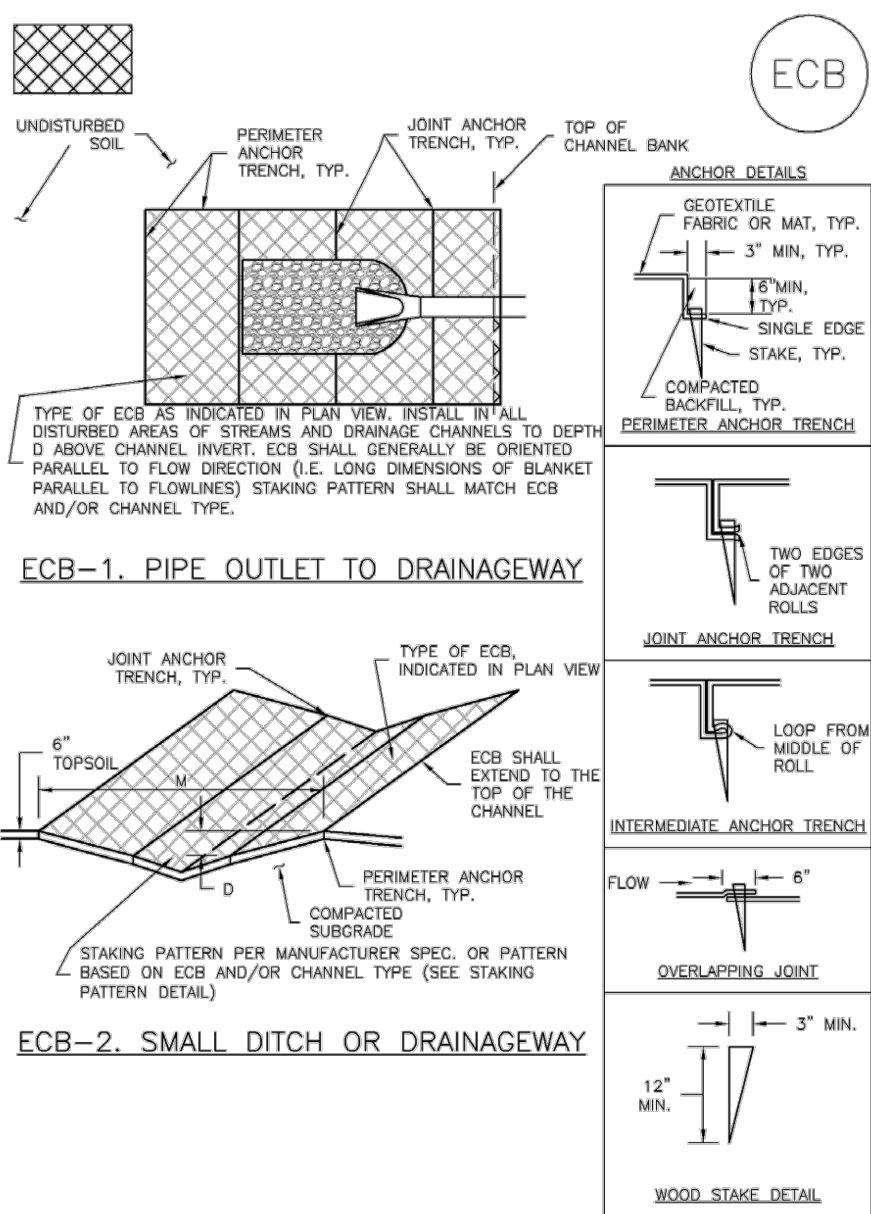
MM-2

Stockpile Management (SM)

STOCKPILE PROTECTION MAINTENANCE NOTES

- 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.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- STOCKPILE PROTECTION MAINTENANCE NOTES
- IF PERIMETER PROTECTION MUST BE MOVED TO ACCESS SOIL STOCKPILE, REPLACE PERIMETER CONTROLS BY THE END OF THE WORKDAY.
 - STOCKPILE PERIMETER CONTROLS CAN BE REMOVED ONCE ALL THE MATERIAL FROM THE STOCKPILE HAS BEEN USED.
- (DETAILS ADAPTED FROM PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)
- 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.

ECB-6 Rolled Erosion Control Products (RECP)

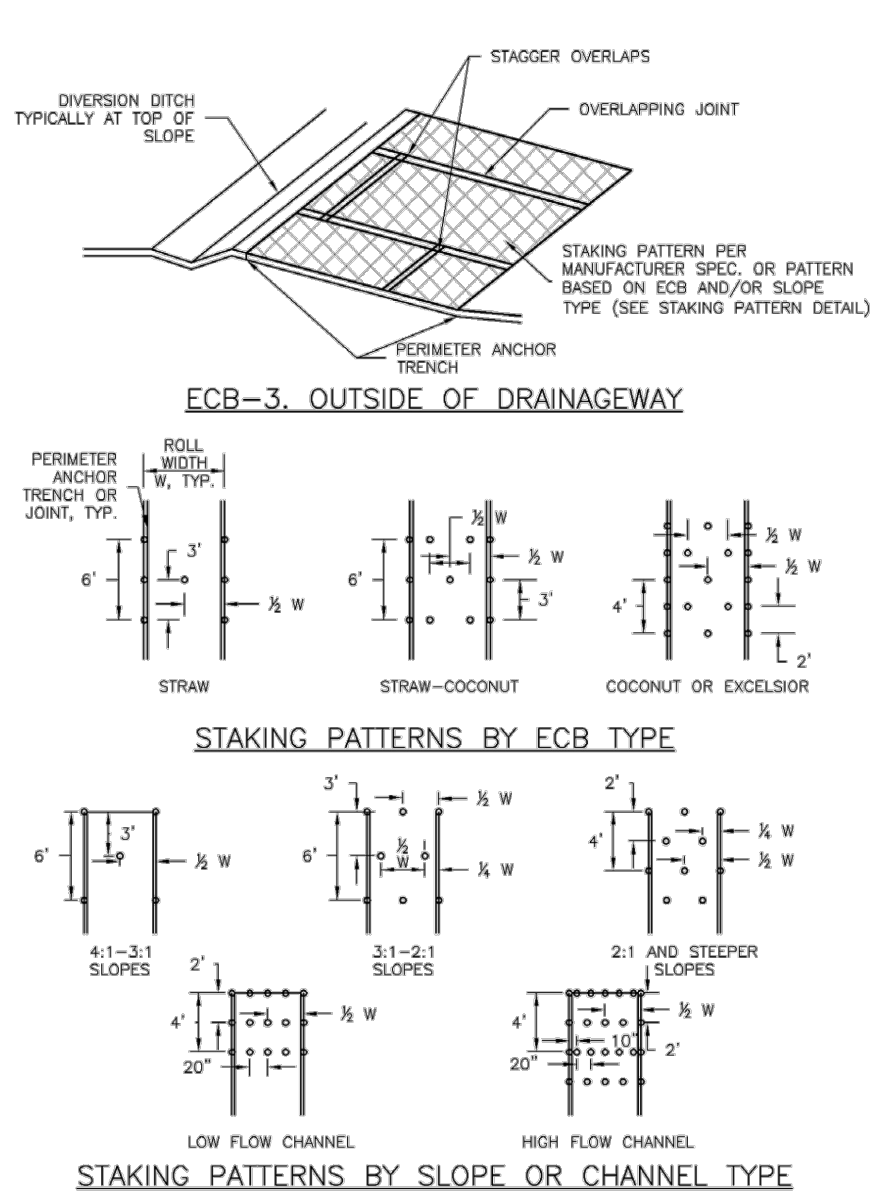


RECP-6 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3

November 2010

Rolled Erosion Control Products (RECP)

EC-6



November 2010 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3

RECP-7

ECB-6 Rolled Erosion Control Products (RECP)

EROSION CONTROL BLANKET INSTALLATION NOTES

- SEE PLAN VIEW FOR:
 - LOCATION OF ECB.
 - TYPE OF ECB (STRAW, STRAW-COCOONUT, COCONUT, OR EXCELSIOR).
 - AREA, A, IN SQUARE YARDS OF EACH TYPE OF ECB.
- 100% NATURAL AND BIODEGRADABLE MATERIALS ARE PREFERRED FOR RECPs, ALTHOUGH SOME JURISDICTIONS MAY ALLOW OTHER MATERIALS IN SOME APPLICATIONS.
- IN AREAS WHERE ECBs ARE SHOWN ON THE PLANS, THE PERMITTEE SHALL PLACE TOPSOIL AND PERFORM FINAL GRADING, SURFACE PREPARATION, AND SEEDING AND MULCHING. SUBGRADE SHALL BE SMOOTH AND MOIST PRIOR TO ECB INSTALLATION AND THE ECB SHALL BE IN FULL CONTACT WITH SUBGRADE. NO GAPS OR VOIDS SHALL EXIST UNDER THE BLANKET.
- PERIMETER ANCHOR TRENCH SHALL BE USED ALONG THE OUTSIDE PERIMETER OF ALL BLANKET AREAS.
- JOINT ANCHOR TRENCH SHALL BE USED TO JOIN ROLLS OF ECBs TOGETHER (LONGITUDINALLY AND TRANSVERSELY) FOR ALL ECBs EXCEPT STRAW WHICH MAY USE AN OVERLAPPING JOINT.
- INTERMEDIATE ANCHOR TRENCH SHALL BE USED AT SPACING OF ONE-HALF ROLL LENGTH FOR COCONUT AND EXCELSIOR ECBs.
- OVERLAPPING JOINT DETAIL SHALL BE USED TO JOIN ROLLS OF ECBs TOGETHER FOR ECBs ON SLOPES.
- MATERIAL SPECIFICATIONS OF ECBs SHALL CONFORM TO TABLE ECB-1.
- ANY AREAS OF SEEDING AND MULCHING DISTURBED IN THE PROCESS OF INSTALLING ECBs SHALL BE RESEEDED AND MULCHED.
- DETAILS ON DESIGN PLANS FOR MAJOR DRAINAGEWAY STABILIZATION WILL GOVERN IF DIFFERENT FROM THOSE SHOWN HERE.

TABLE ECB-1. ECB MATERIAL SPECIFICATIONS				
TYPE	COCONUT CONTENT	STRAW CONTENT	EXCELSIOR CONTENT	RECOMMENDED NETTING
STRAW	-	100%	-	DOUBLE/NATURAL
STRAW-COCOONUT	30% MIN	70% MAX	-	DOUBLE/NATURAL
COCONUT	100%	-	-	DOUBLE/NATURAL
EXCELSIOR	-	-	100%	DOUBLE/NATURAL

STRAW ECBs MAY ONLY BE USED SURFACE OF CHANNELS AND DRAINAGE CHANNELS.

ALTERNATE NETTING MAY BE ACCEPTABLE IN SOME JURISDICTIONS.

RECP-8 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3

November 2010

Rolled Erosion Control Products (RECP)

EC-6

EROSION CONTROL BLANKET MAINTENANCE NOTES

- 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.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - ECBs SHALL BE LEFT IN PLACE TO EVENTUALLY BIODEGRADE, UNLESS REQUESTED TO BE REMOVED BY THE LOCAL JURISDICTION.
 - ANY ECB PULLED OUT, TORN, OR OTHERWISE DAMAGED SHALL BE REPAIRED OR REPLACED. ANY SUBGRADE AREAS BELOW THE GEOTEXTILE THAT HAVE ERODED TO CREATED A VOID UNDER THE BLANKET, OR THAT REMAIN EXPOSED OF GRASS SHALL BE REPAIRED, RESEEDED AND MULCHED AND THE ECB REINSTALLED.
- 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.
- (DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO AND TOWN OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

November 2010 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3

RECP-9

48 HOURS BEFORE YOU DIG,
CALL UTILITY LOCATORS

811

UTILITY NOTIFICATION CENTER OF COLORADO
IT'S THE LAW

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NO. REVISION

DATE

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

DAVID L GIBSON, COLORADO P.E. #46477

DATE

CLASSIC CONSULTING

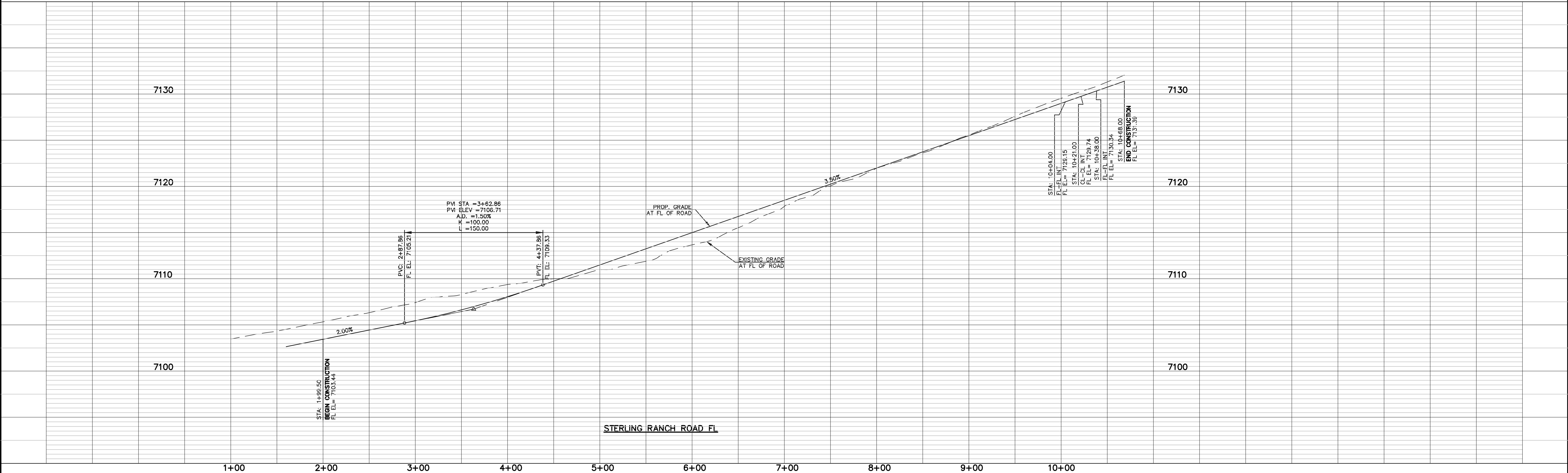
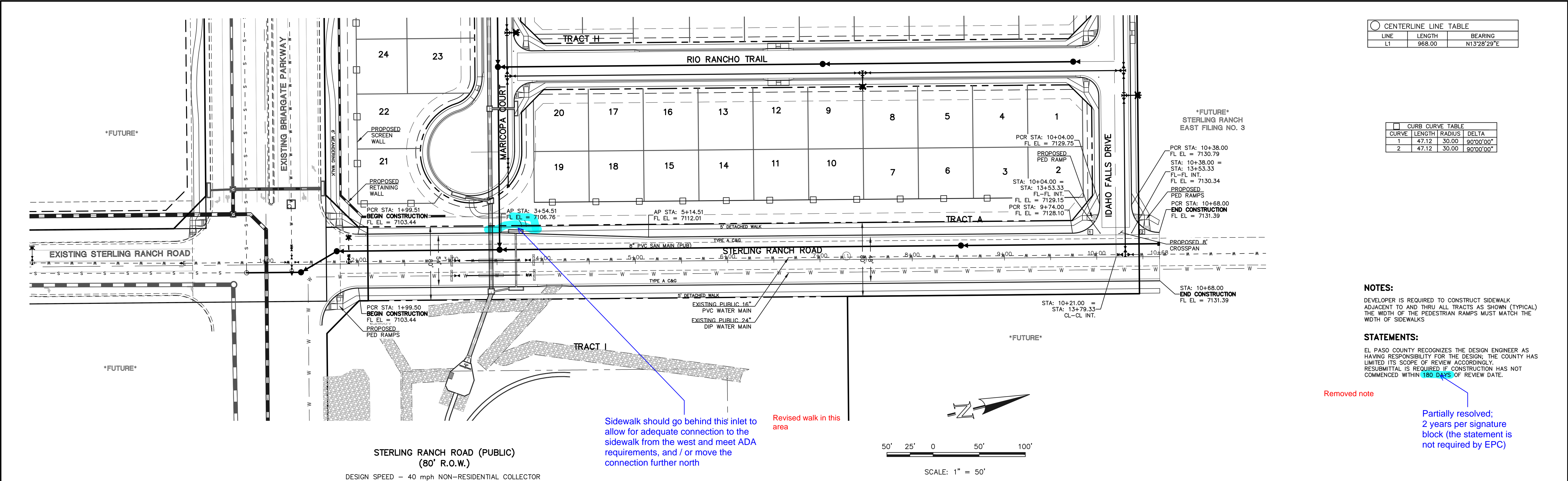
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

(719)785-0790
(719)785-0799(Fax)

FOURSQUARE AT STERLING RANCH EAST
FLING NO. 1

GRADING AND EROSION CONTROL PLAN
DETAIL SHEET

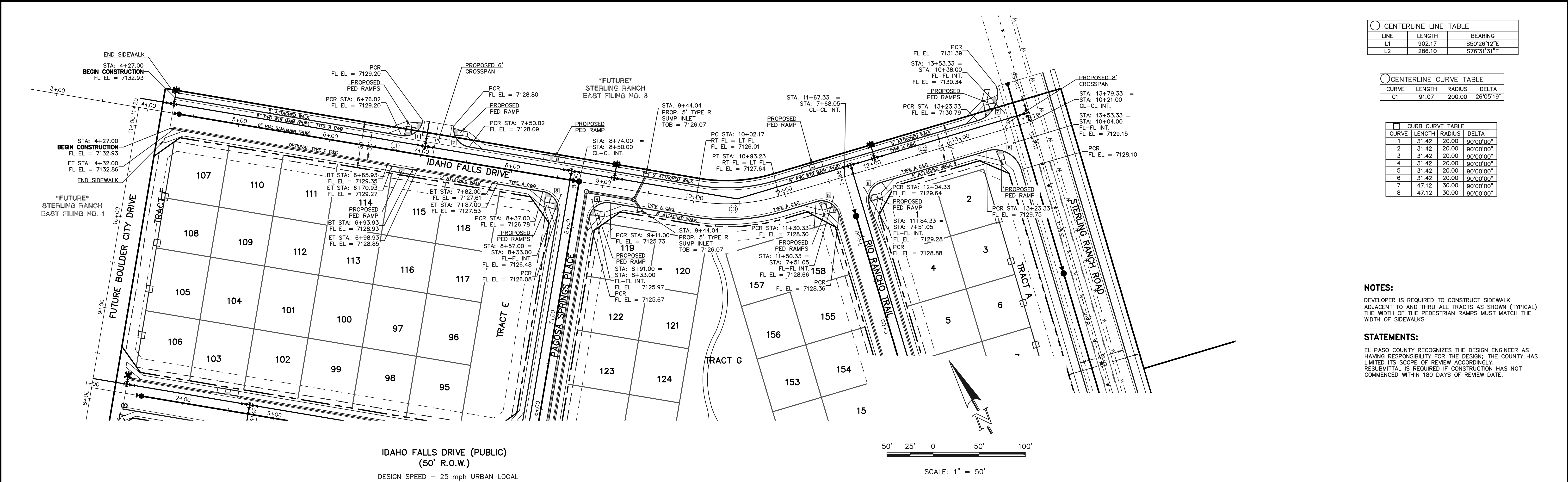
DESIGNED BY	DLG	SCALE	DATE	02-24-23
DRAWN BY	DLG	(H) 1"= N/A	SHEET	7 OF 29
CHECKED BY	(V) 1"= N/A	JOB NO.	1183.30	



LEGEND		WALK CONSTRUCTION:		48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS 811		NO. REVISION		DATE		REVIEW:		CLASSIC CONSULTING ENGINEERS & SURVEYORS		FOURSQUARE AT STERLING RANCH EAST FILING NO. 1	
BOUNDARY LINE	---	4" THICK SIDEWALK ALLOWED ALONG OPEN SPACE TRACTS & 'ESTATE LOT' FRONTAGE.		UTILITY NOTIFICATION CENTER OF COLORADO						PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC		619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903	DESIGNED BY	DLG	
ROW LINE	---	5" THICK SIDEWALK TYPICAL ALONG RESIDENTIAL LOTS PER EL PASO COUNTY DIRECTION. 6" REQUIRED AT DRIVEWAY CONNECTIONS. WALK NOT INSTALLED AT 6" THICKNESS WILL BE RE-CONSTRUCTED WITH DRIVEWAY PERMIT AND INSTALLATION AS REQUIRED.		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.								(719)785-0790 (719)785-0799(Fax)	SCALE	1" = 50'	
LOT LINE	---												DRAWN BY	JRH	SHEET 8 OF 29
CURB & GUTTER	---												CHECKED BY	(V)	JOB NO. 1183.23
PED RAMP	---														
LIGHT POLE	---														
SIGN	---														
TYPE R INLET	---														

SCALE: 1" = 50' HORIZ./5' VERT.

DATE 11-12-22



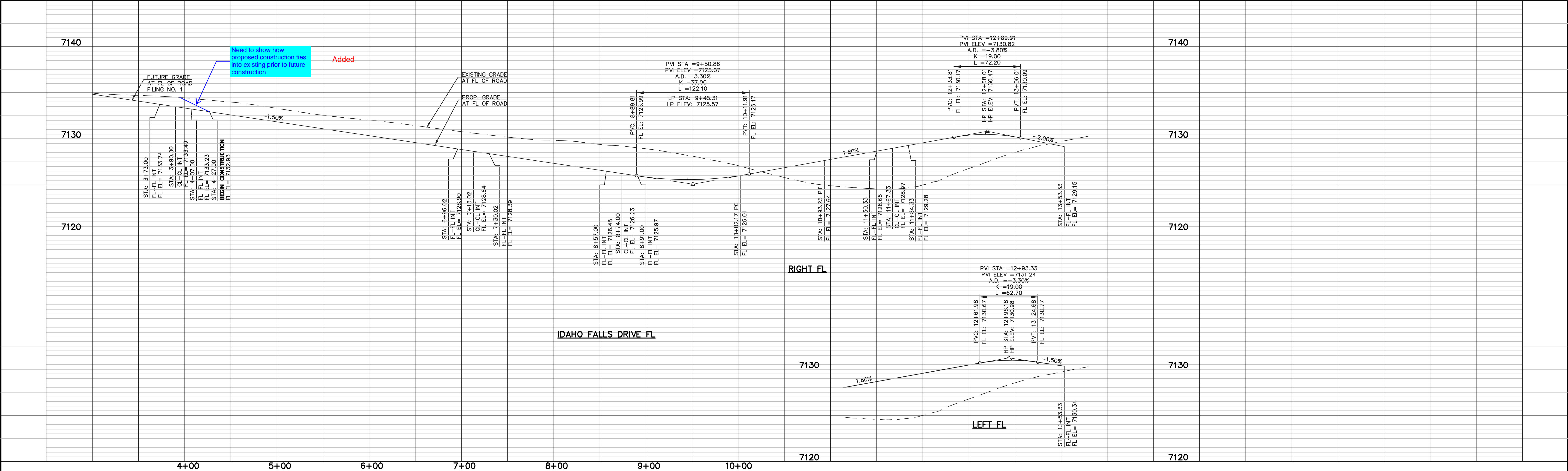
CENTERLINE LINE TABLE		
LINE	LENGTH	BEARING
L1	902.17	S50°26'12"E
L2	286.10	S76°31'31"E

CENTERLINE CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C1	91.07	200.00	26°05'19"

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"
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"

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.



LEGEND

BOUNDARY LINE ---

ROW LINE ---

LOT LINE ---

CURB & GUTTER ---

PED RAMP [Symbol]

LIGHT POLE [Symbol]

SIGN [Symbol]

TYPE R INLET [Symbol]

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NO. REVISION

DATE

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DAVID L GIBSON, COLORADO P.E. #46477

DATE

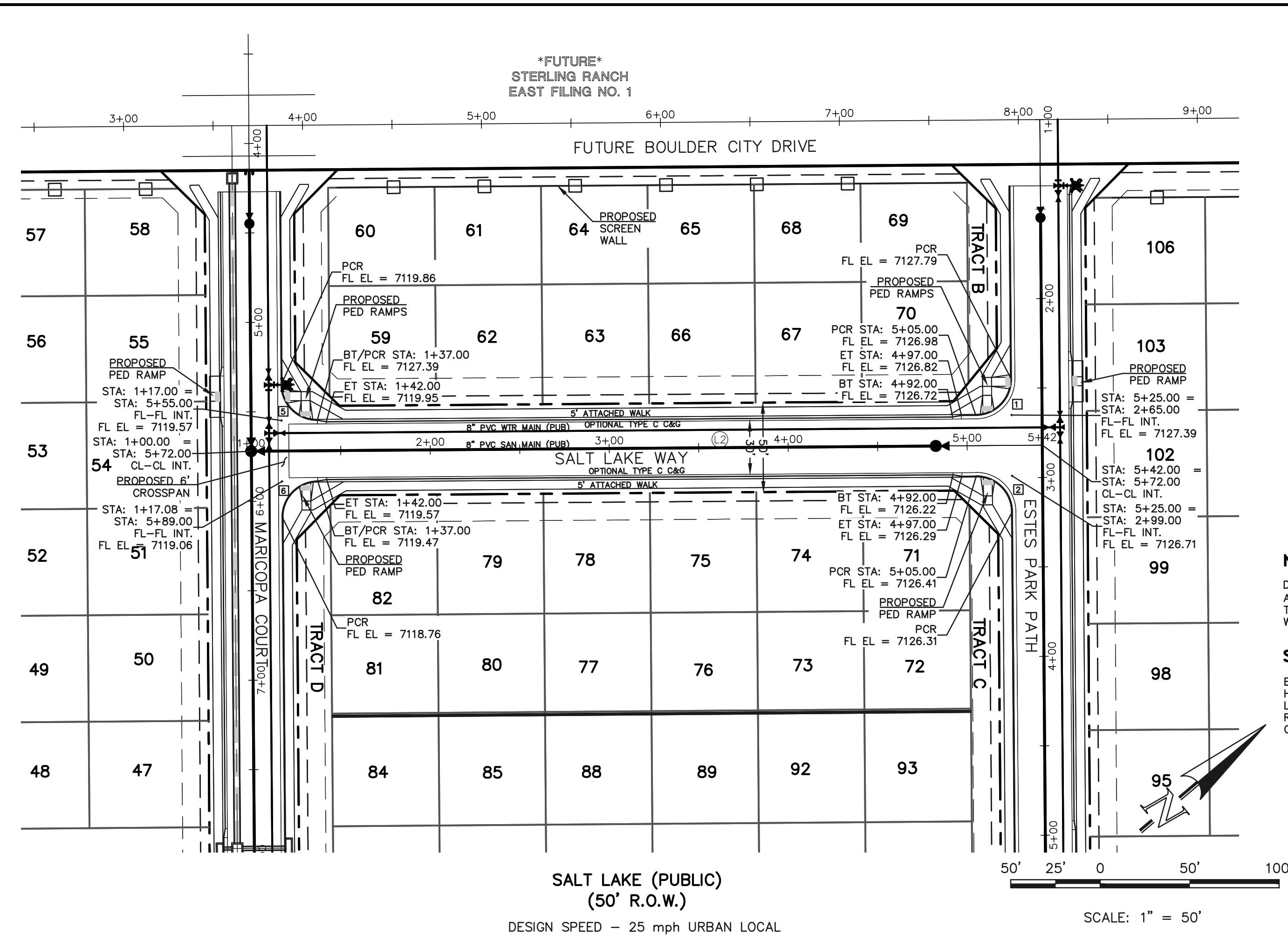
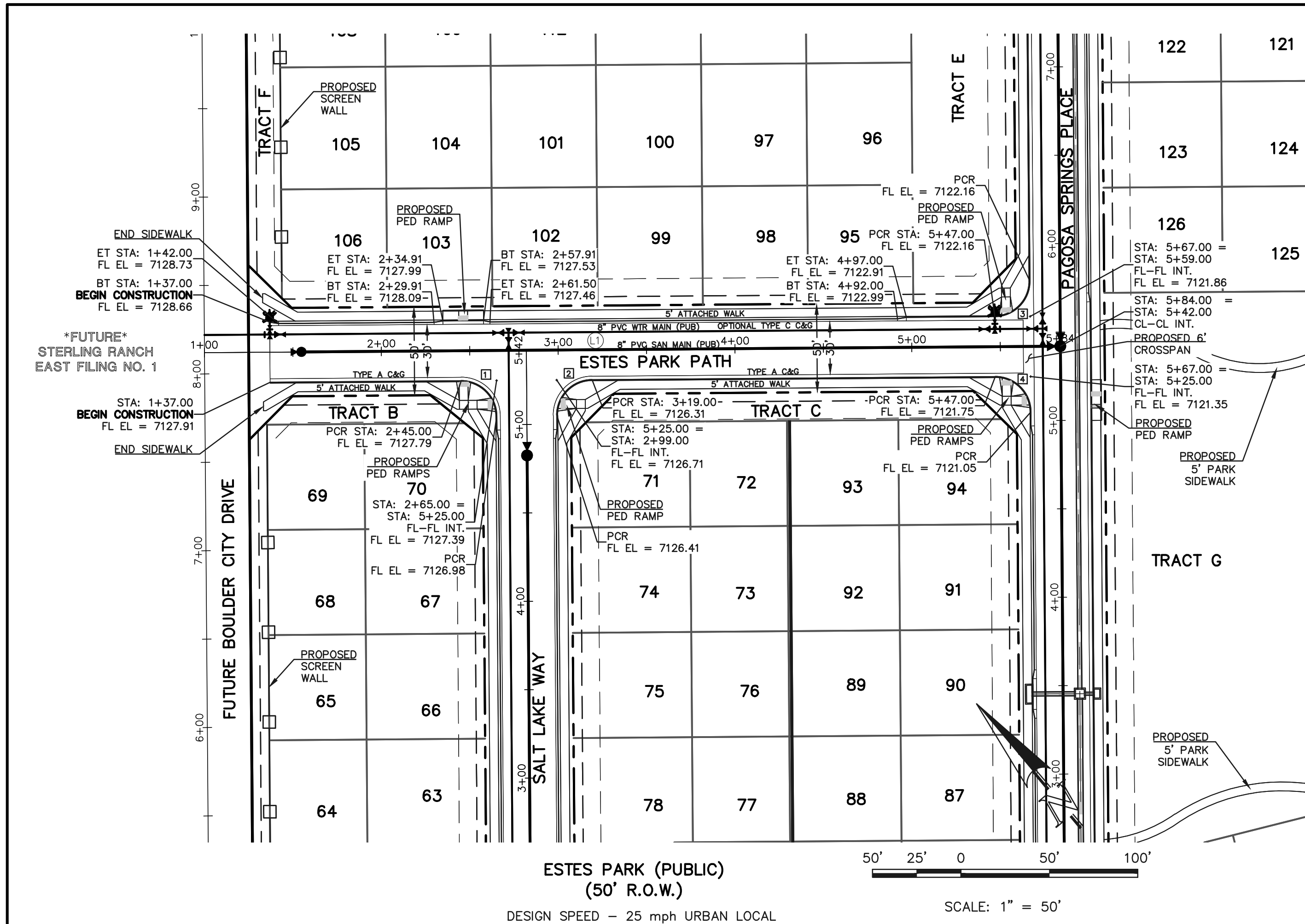
CLASSIC
CONSULTING
ENGINEERS & SURVEYORS

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

(719)785-0790
(719)785-0799(Fax)

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

DESIGNED BY	DLG	SCALE	DATE	11-12-22
DRAWN BY	JRH	(H) 1"= 50'	SHEET	9 OF 29
CHECKED BY		(V) 1"= 5'	JOB NO.	1183.23



CENTERLINE LINE TABLE

LINE	LENGTH	BEARING
L1	484.00	S50°26'12"E
L2	442.00	N39°33'48"E

CURB CURVE TABLE

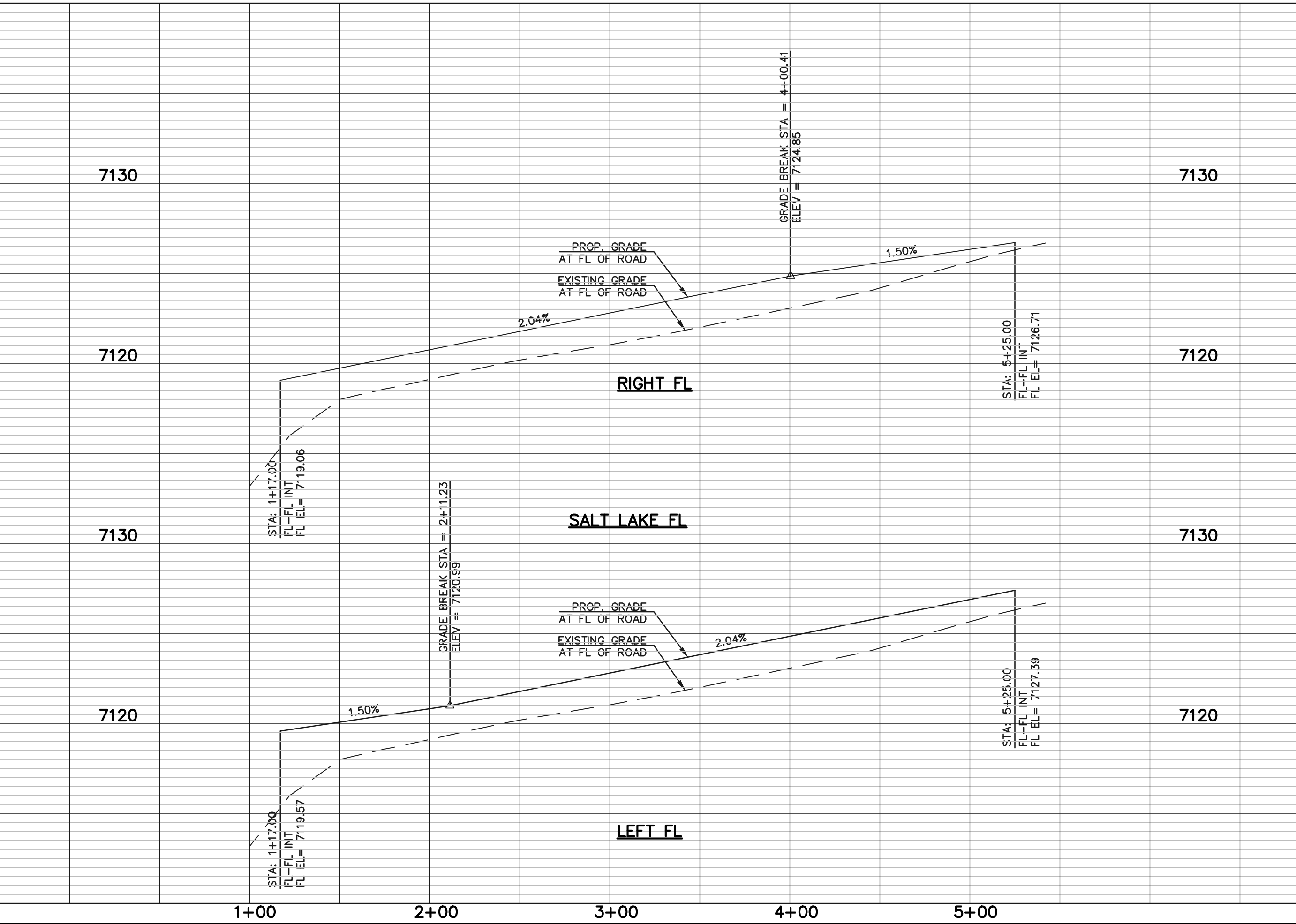
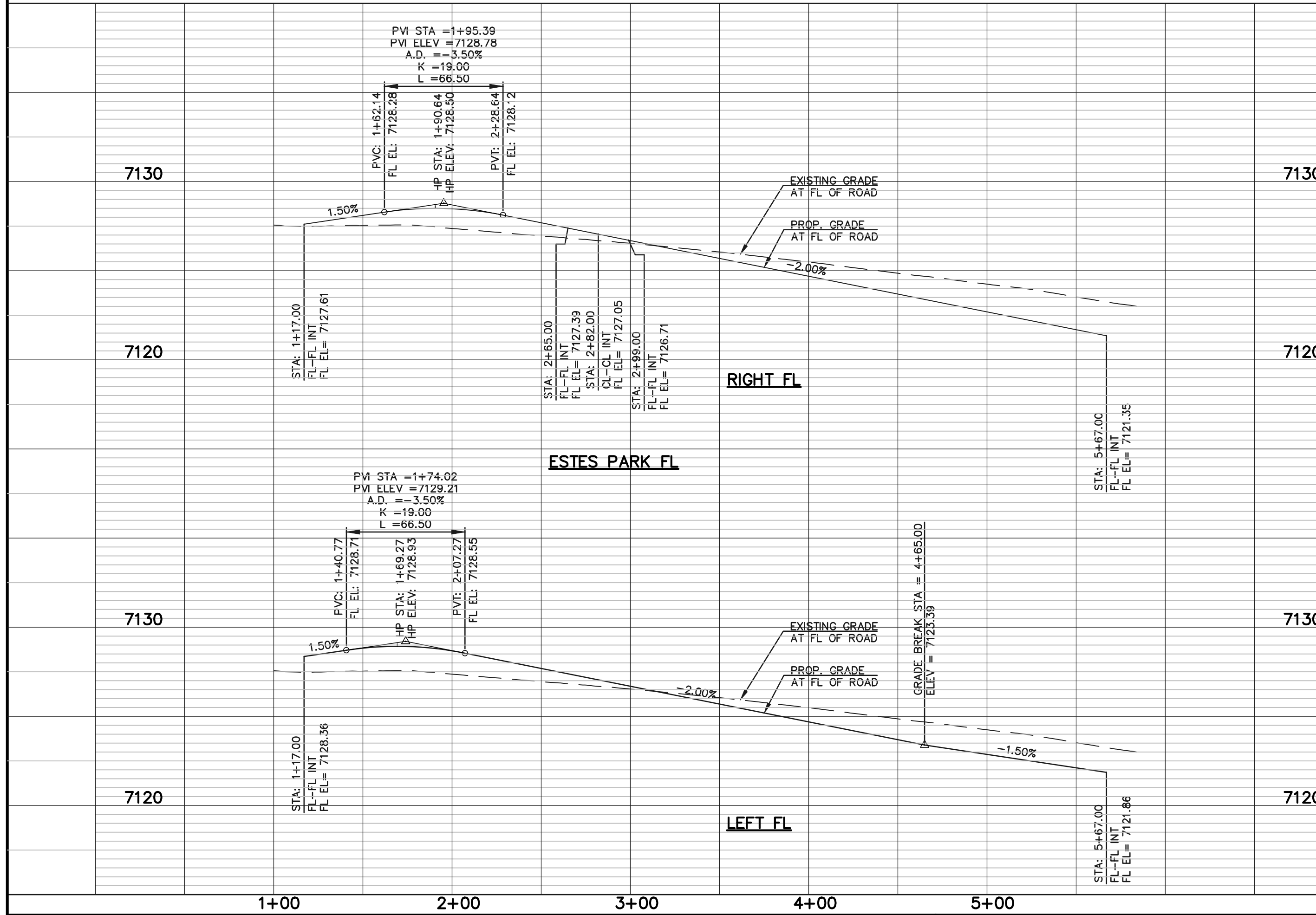
CURVE	LENGTH	RADIUS	DELTA
1	31.42	20.00	90°00'00"
2	31.42	20.00	90°00'00"
3	31.42	20.00	90°00'00"
4	31.42	20.00	90°00'00"
5	31.42	20.00	90°00'00"
6	31.42	20.00	90°00'00"

NOTES:

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LEGEND

- BOUNDARY LINE
- ROW LINE
- LOT LINE
- CURB & GUTTER
- PED RAMP
- LIGHT POLE
- SIGN
- TYPE R INLET

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CLASSIC CONSULTING ENGINEERS & SURVEYORS

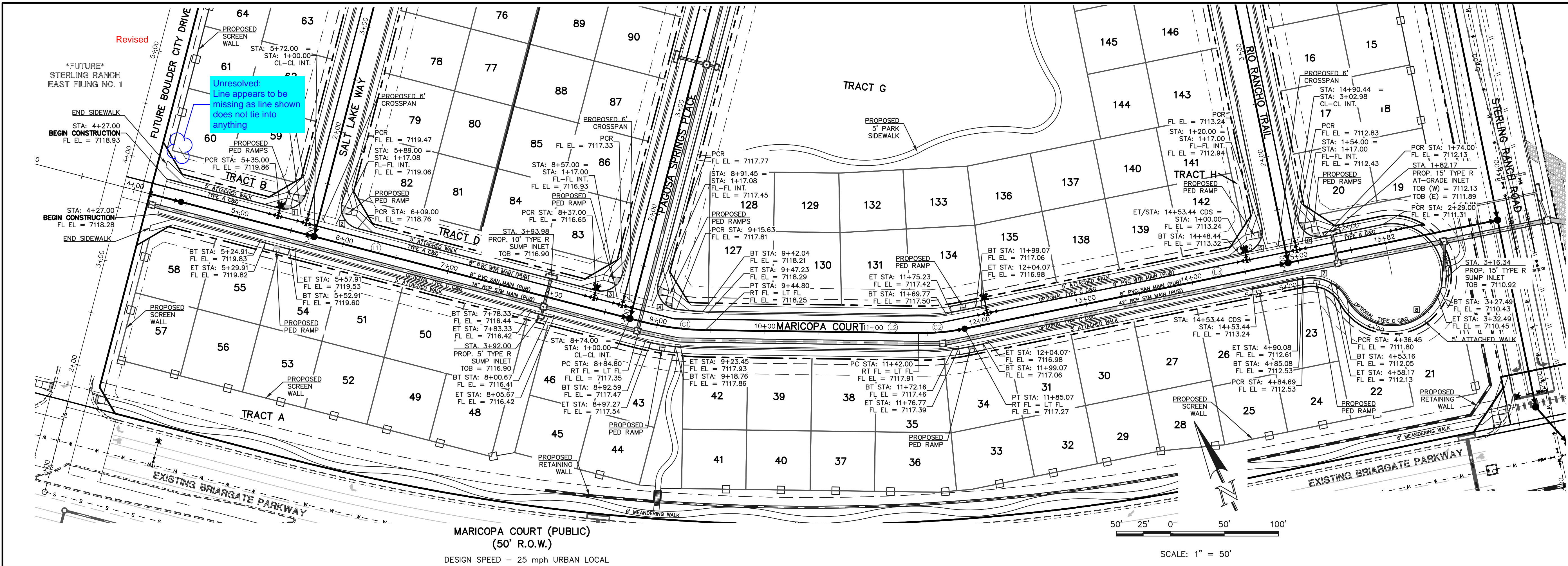
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(719)785-0790
(719)785-0799(Fax)

FOURSQUARE AT STERLING RANCH EAST FILING NO. 1

STREET IMPROVEMENT PLANS

DESIGNED BY	DLG	SCALE	DATE	11-12-22
DRAWN BY	JRH	(H) 1"= 50'	SHEET	10 OF 29
CHECKED BY		(V) 1"= 5'	JOB NO.	1183.23



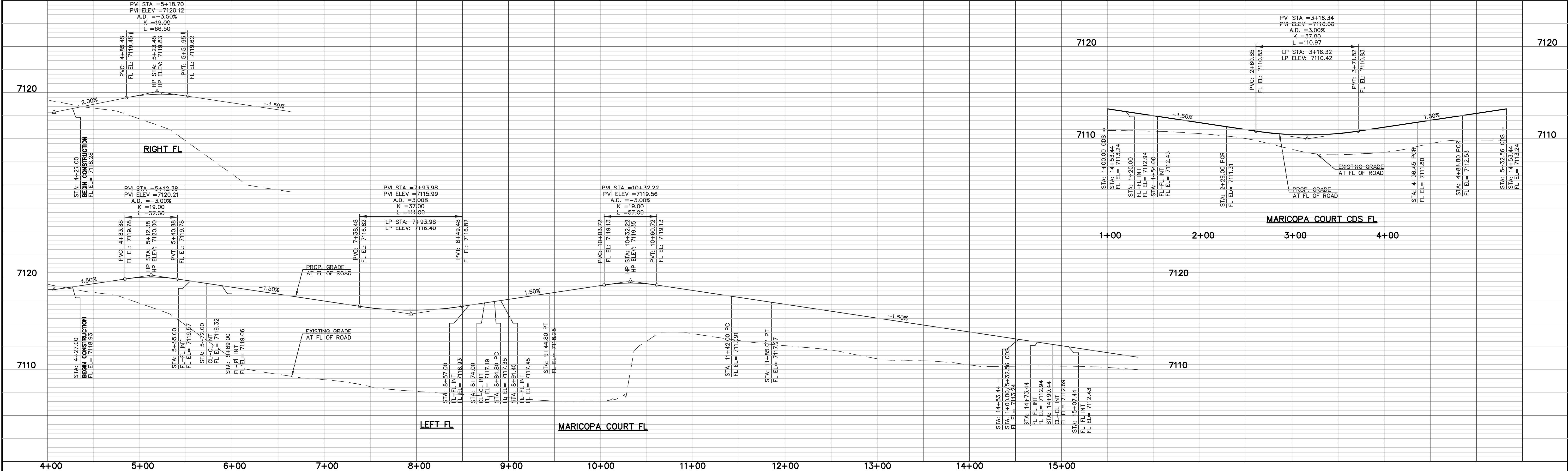
CENTERLINE LINE TABLE		
LINE	LENGTH	BEARING
L1	784.80	S50°26'12"E
L2	197.20	S64°11'17"E
L3	397.37	S76°31'31"E

CENTERLINE 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"

NOTES:
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LEGEND

BOUNDARY LINE ---

ROW LINE ---

LOT LINE ---

CURB & GUTTER ---

PED RAMP [Symbol]

LIGHT POLE [Symbol]

SIGN [Symbol]

TYPE R INLET [Symbol]

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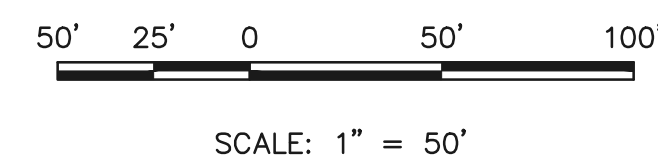
FOURSQUARE AT STERLING RANCH EAST
FILING NO. 1
STREET IMPROVEMENT PLANS

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

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"

DEVELOPER IS REQUIRED TO CONSTRUCT SIDEWALK
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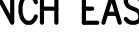
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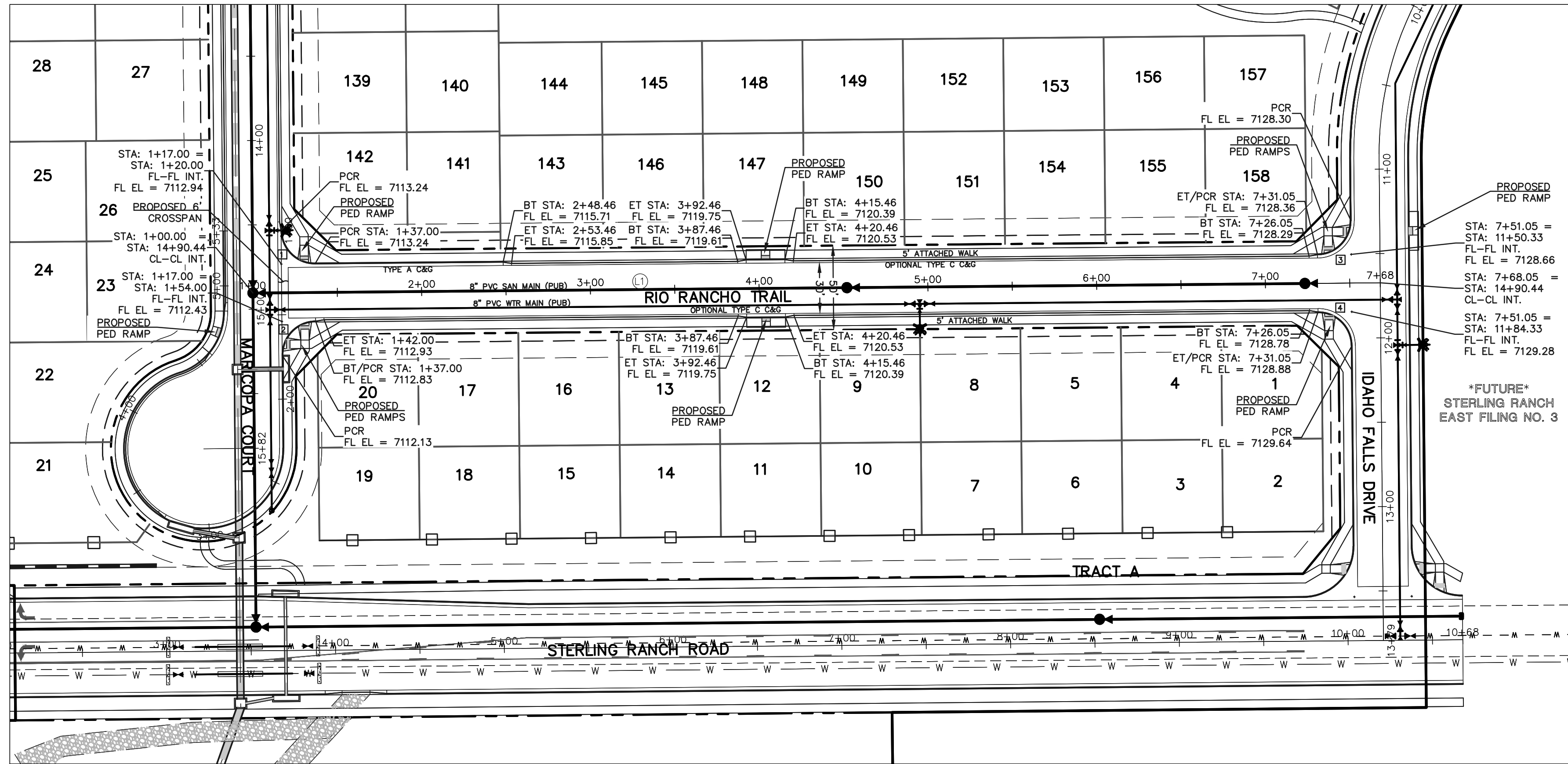
[illegible]

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

DAVID L GIBSON, COLORADO P.E. #46477 DATE

 <p>CLASSICSM CONSULTING ENGINEERS & SURVEYORS</p>	<p>FOUR SQUARE AT STERLING RANCH EAST FILING NO. 1</p> <p>STREET IMPROVEMENT PLANS</p>	 <p>CLASSICSM ENGINEERS & SURVEYORS</p>															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DESIGNED BY</td> <td style="width: 15%;">DLG</td> <td style="width: 20%;">SCALE</td> <td style="width: 40%;">DATE</td> <td style="width: 20%; text-align: center;">11-12-22</td> </tr> <tr> <td>DRAWN BY</td> <td>JRH</td> <td>(H) 1" = 50'</td> <td>SHEET 12</td> <td>OF 29</td> </tr> <tr> <td>CHECKED BY</td> <td></td> <td>(V) 1" = 5'</td> <td>JOB NO.</td> <td>1183.23</td> </tr> </table>			DESIGNED BY	DLG	SCALE	DATE	11-12-22	DRAWN BY	JRH	(H) 1" = 50'	SHEET 12	OF 29	CHECKED BY		(V) 1" = 5'	JOB NO.	1183.23
DESIGNED BY	DLG	SCALE	DATE	11-12-22													
DRAWN BY	JRH	(H) 1" = 50'	SHEET 12	OF 29													
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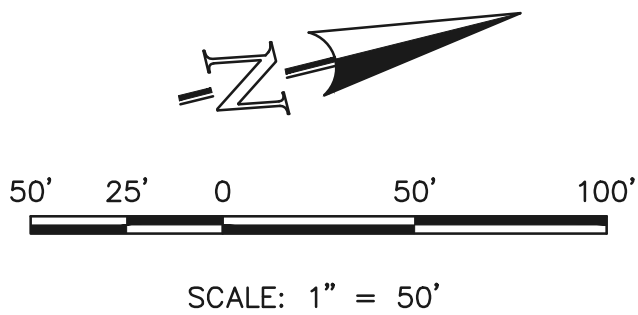


CENTERLINE LINE TABLE		
LINE	LENGTH	BEARING
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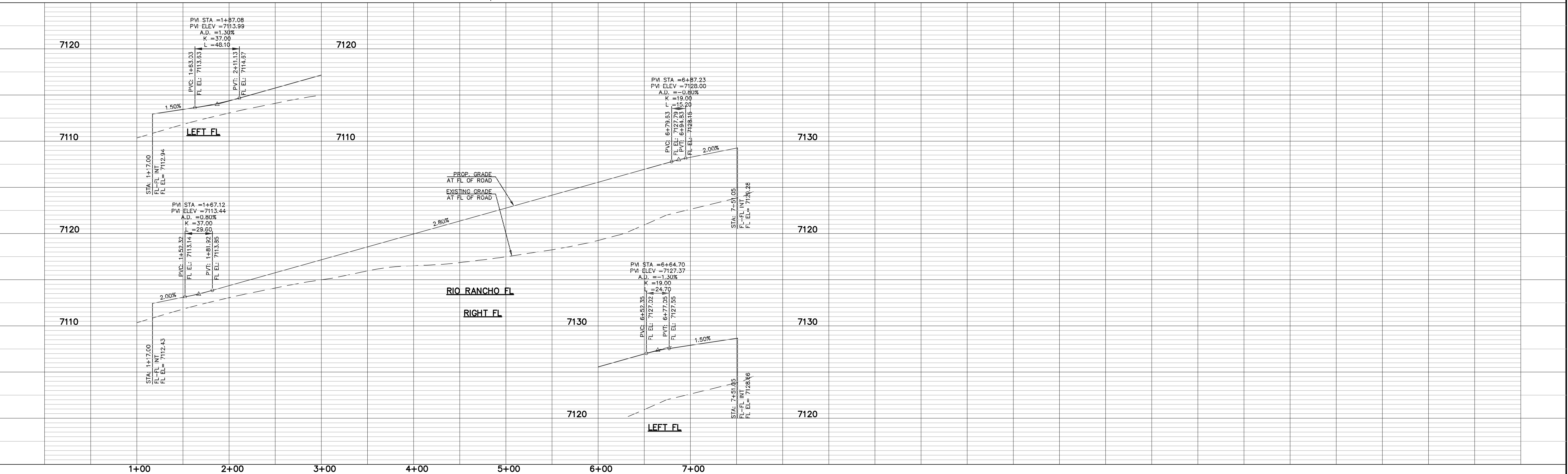
CURB CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
1	31.42	20.00	90°00'00"
2	31.42	20.00	90°00'00"
3	31.42	20.00	90°00'00"
4	31.42	20.00	90°00'00"

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RIO RANCHO TRAIL (PUBLIC)
(50' R.O.W.)
DESIGN SPEED - 30 mph URBAN LOCAL



LEGEND

BOUNDARY LINE ---

ROW LINE ---

LOT LINE ---

CURB & GUTTER ---

PED RAMP [Symbol]

LIGHT POLE [Symbol]

SIGN [Symbol]

TYPE R INLET [Symbol]

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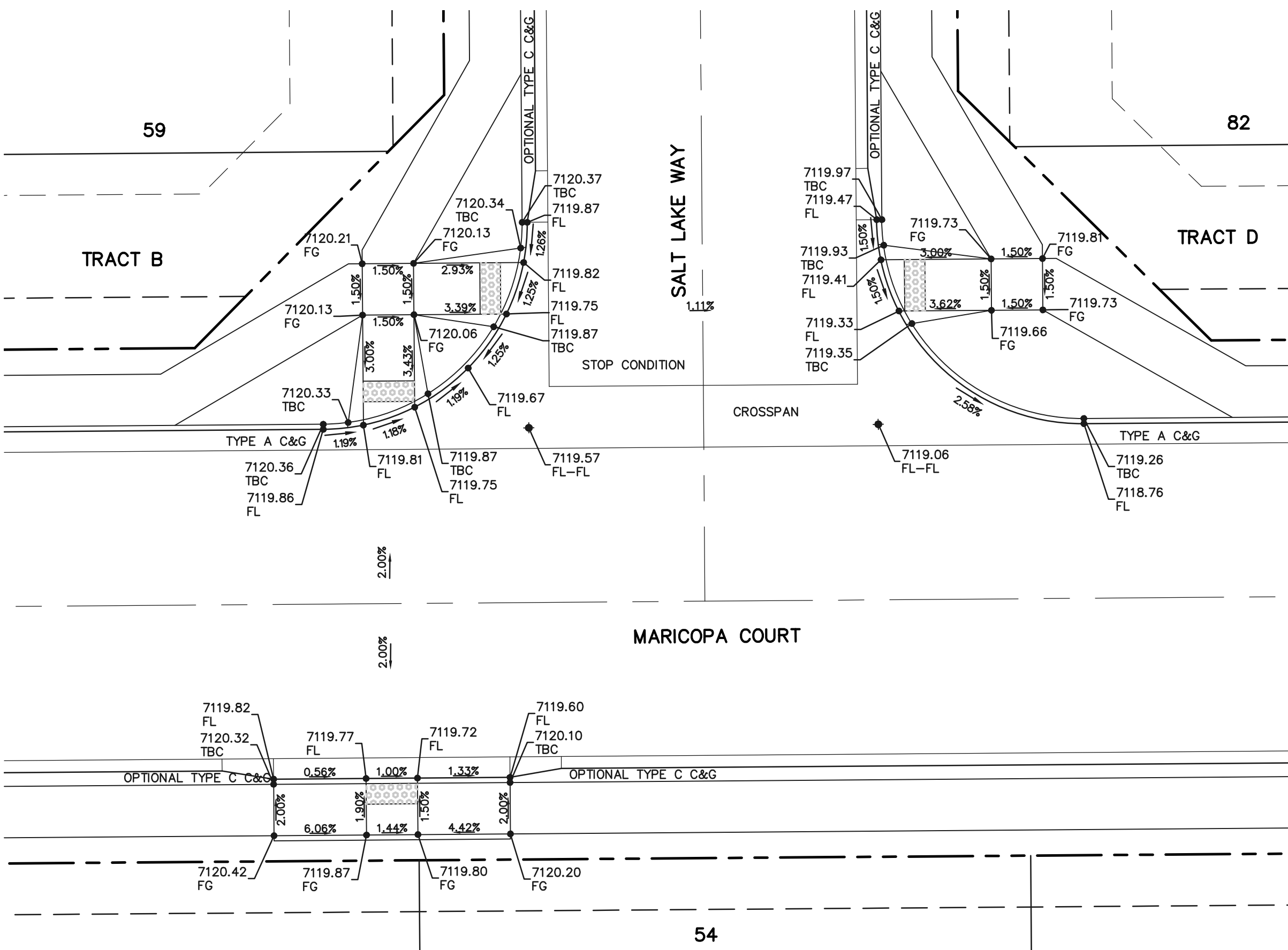
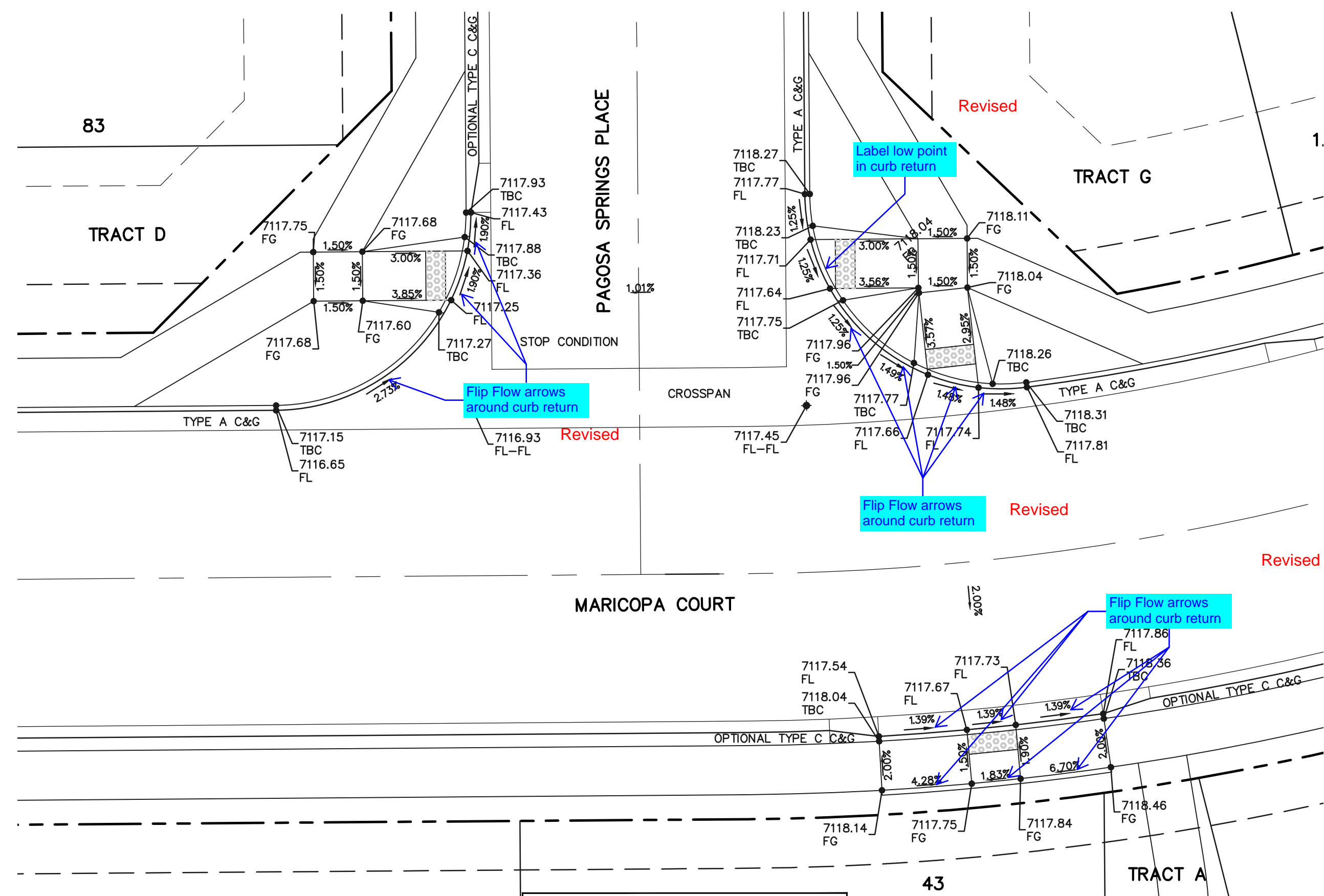
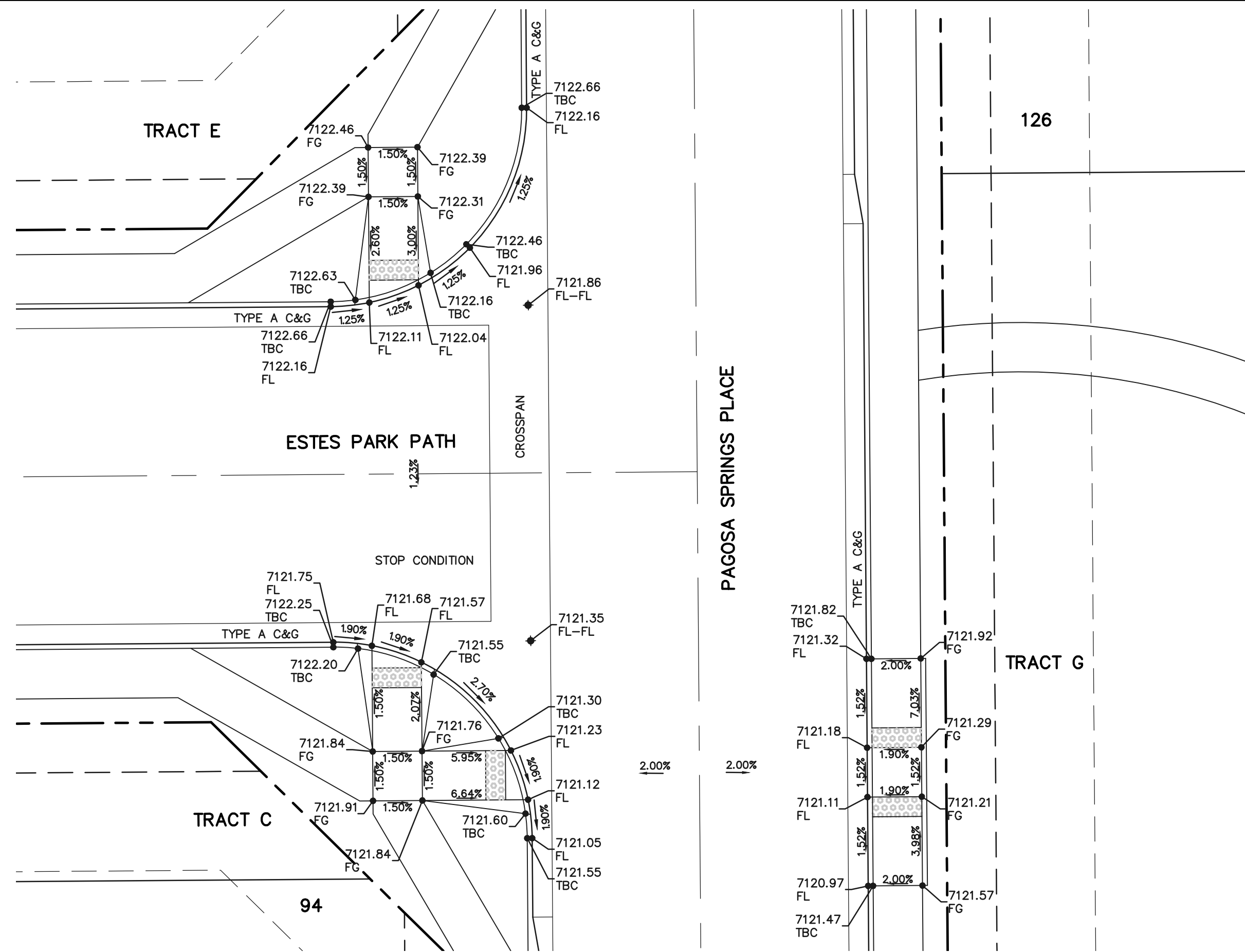
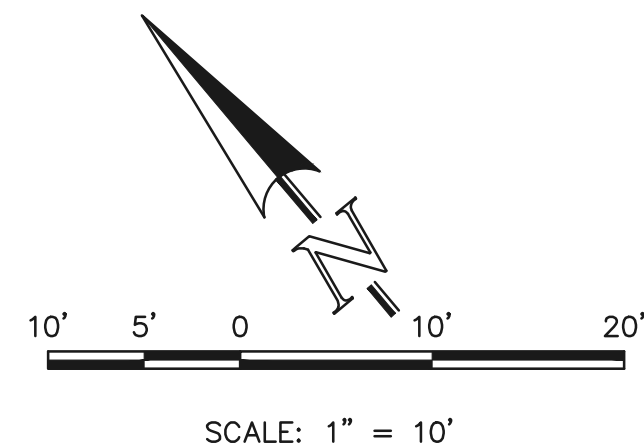
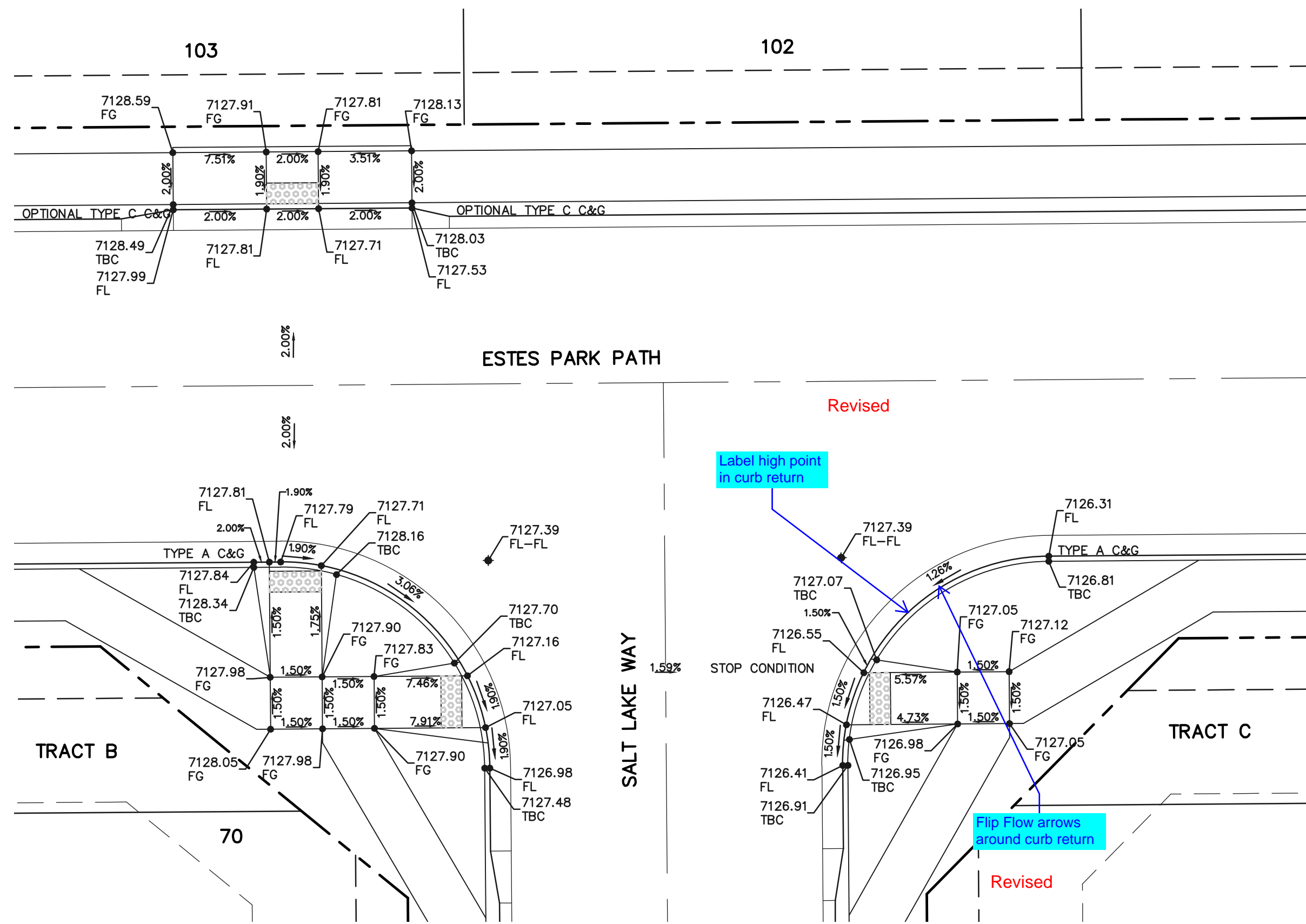
DAVID L GIBSON, COLORADO P.E. #46477 DATE

CLASSIC
CONSULTING
ENGINEERS & SURVEYORS

619 N. Cascade Avenue, Suite 200 (719)785-0790
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

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

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



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NO.	REVISION	DATE

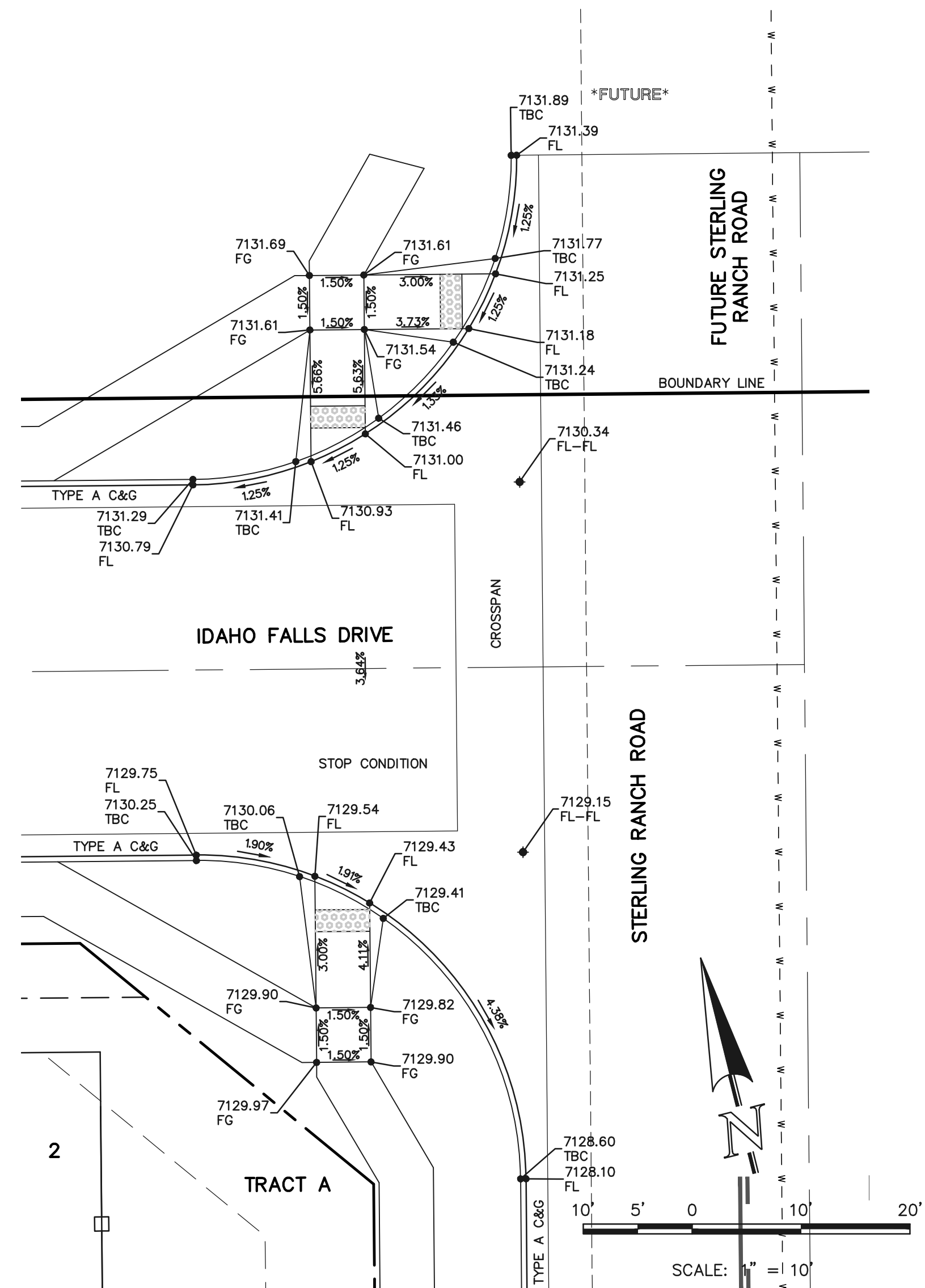
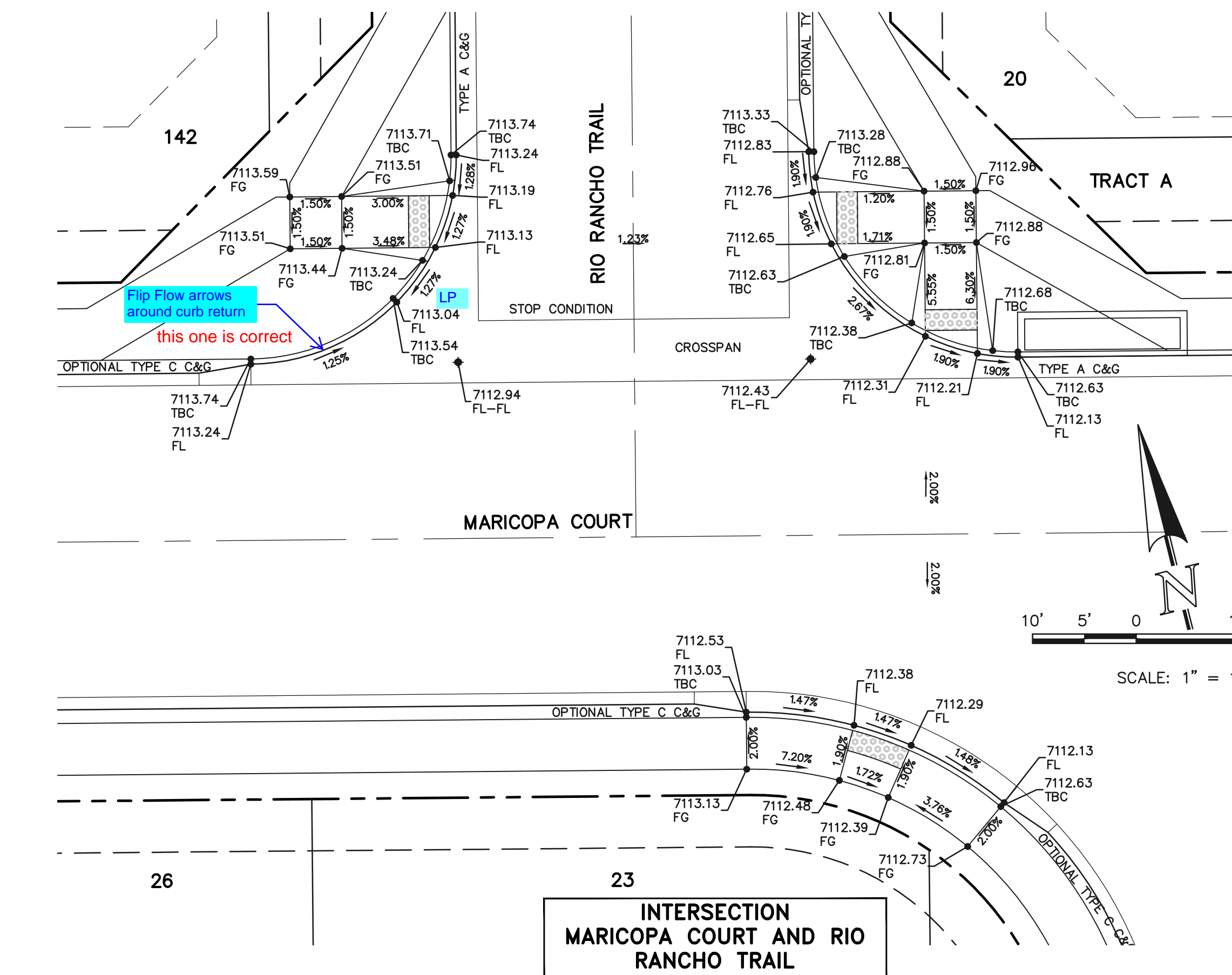
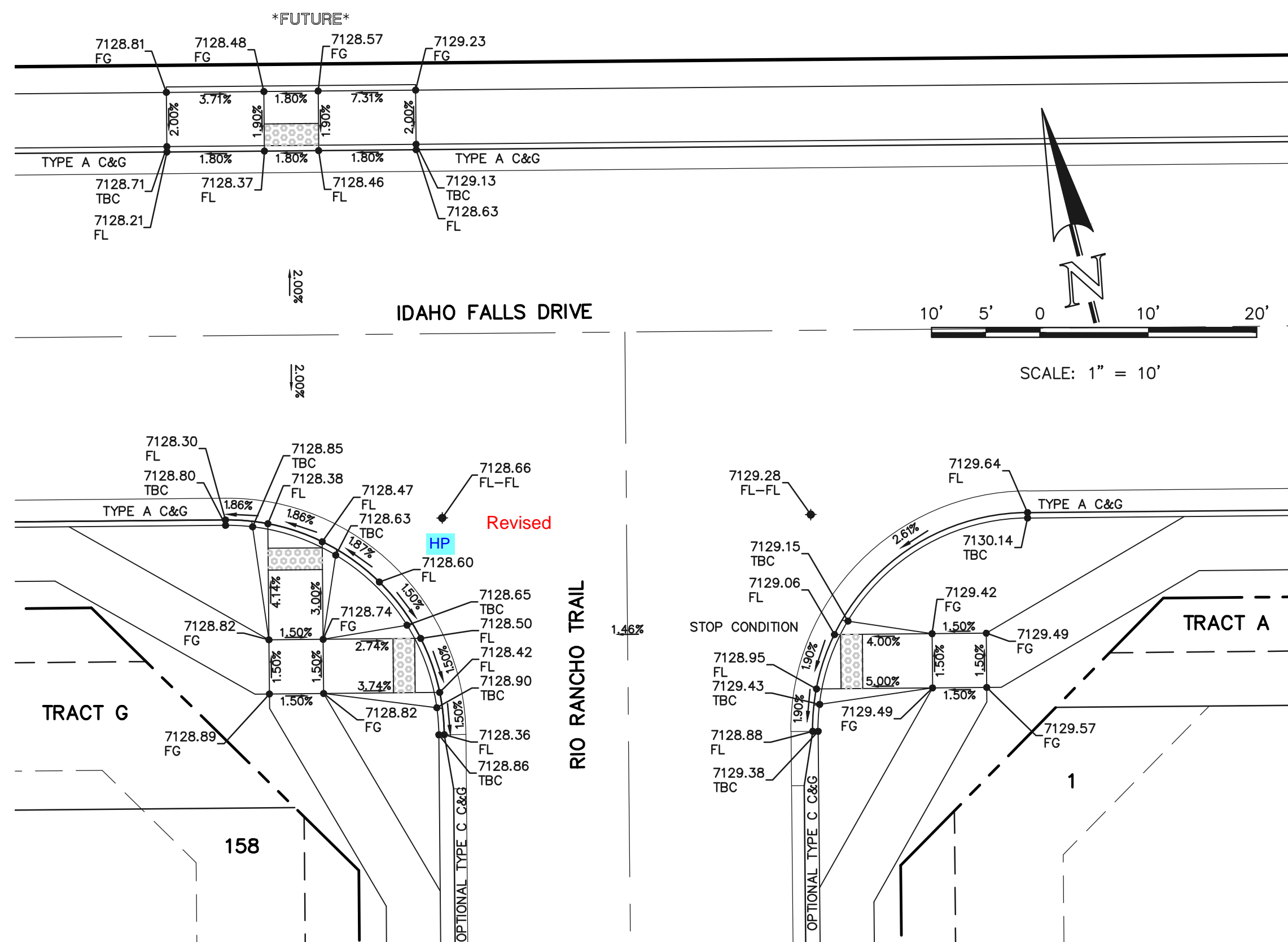
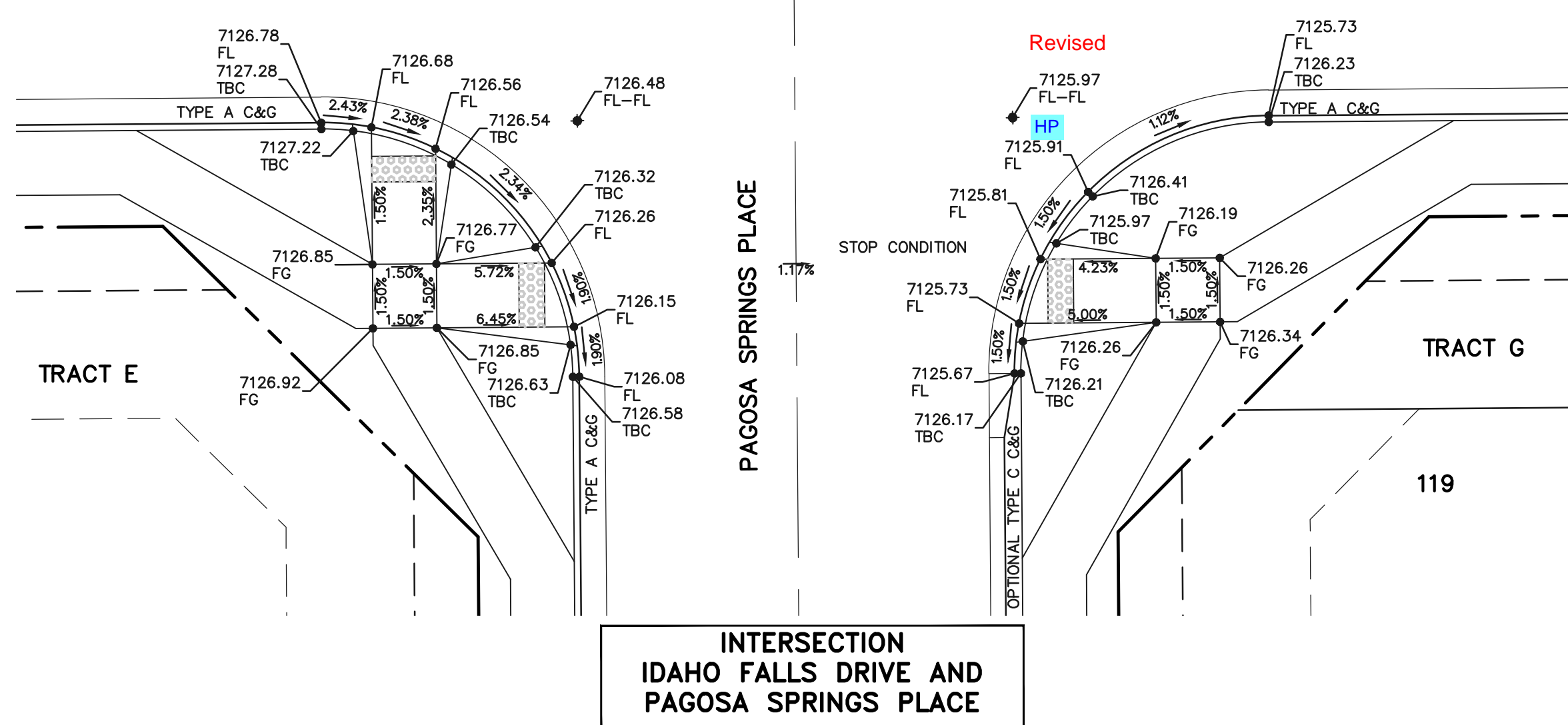
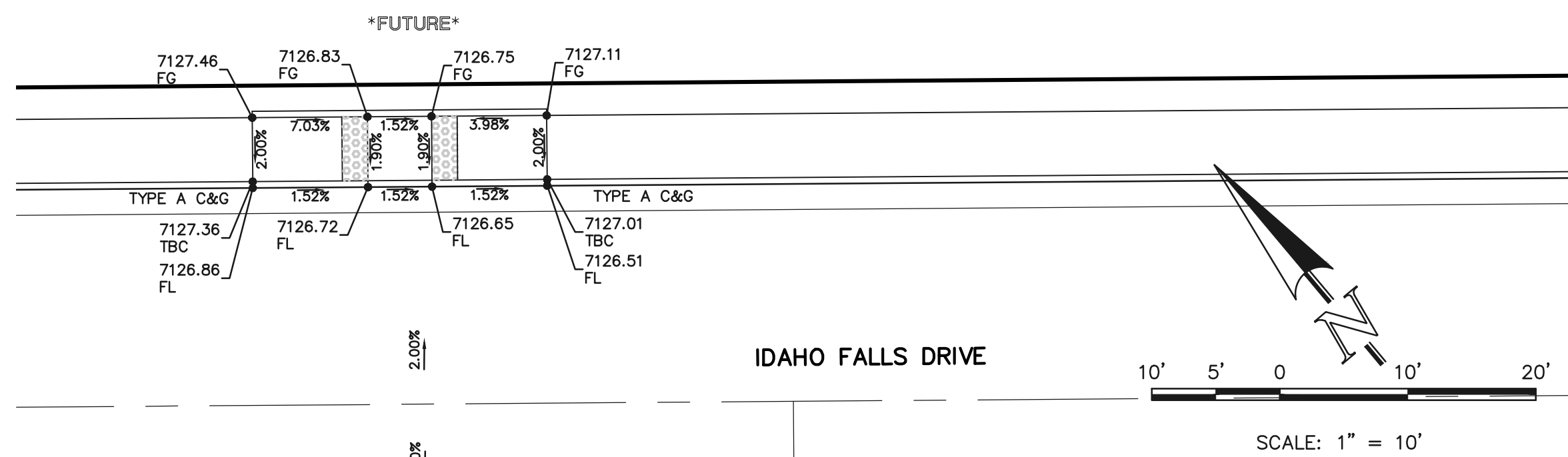
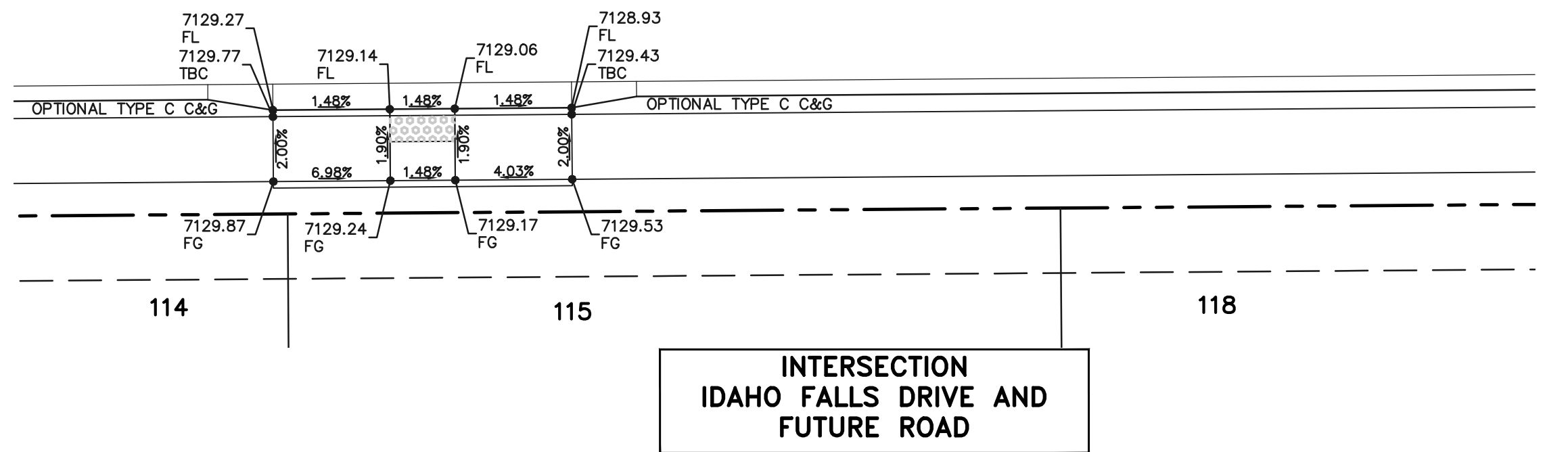
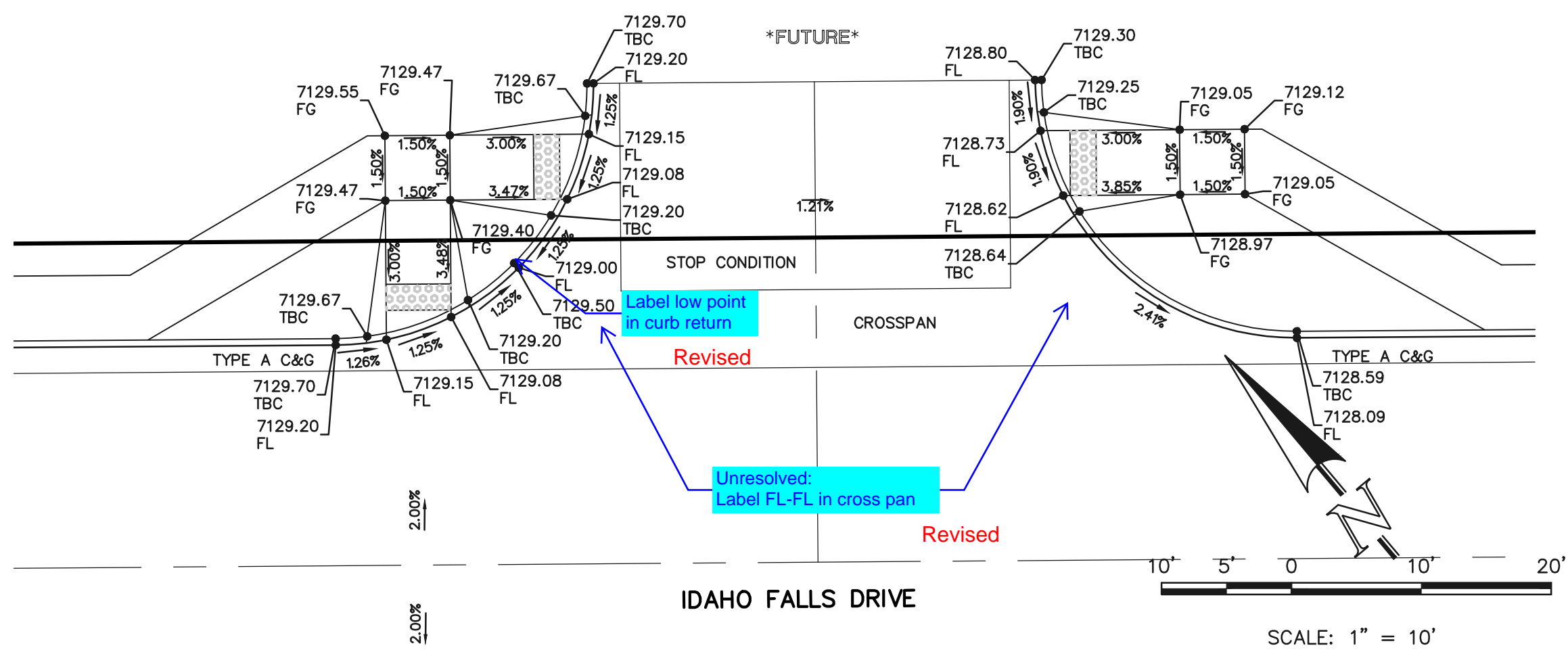
REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

DAVID L GIBSON, COLORADO P.E. #46477 DATE



FOURSQUARE AT STERLING RANCH EAST STREET IMPROVEMENT PLANS PED RAMP DETAILS			
DESIGNED BY	DLG	SCALE	DATE 11-12-22
DRAWN BY	JRH	(H) 1"= 10'	SHEET 14 OF 29
CHECKED BY		(V) 1"= N/A	JOB NO. 1183.23



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NO.	REVISION	DATE

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DAVID L. GIBSON, COLORADO P.E. #46477 DATE: / /

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Colorado Springs, Colorado 80903

(719) 785-0790
(719) 785-0799 (Fax)

FOURSQUARE AT STERLING RANCH EAST
STREET IMPROVEMENT PLANS
PED RAMP DETAILS

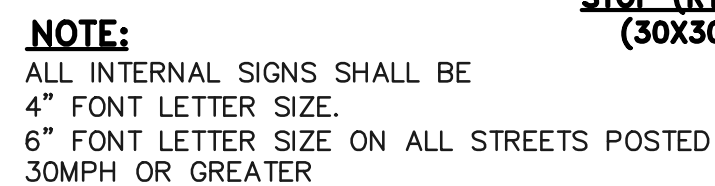
DESIGNED BY	DLG	SCALE	DATE
11-12-22			

DRAWN BY	JRH	(H) 1"= 10'	SHEET 15 OF 29

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

1. All signs and pavement markings shall be in compliance with the current Manual on Uniform Traffic Control Devices (MUTCD).
2. 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 Planning and Community Development.
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.
7. 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.
8. Multi-lane roadways with speed limits of 35 mph or higher shall have 8" upper-lower case lettering on 12" 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". Signal pole mounted and overhead street name signs shall be per MUTCD size standards.
9. 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 a .0100" 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. Stop bars shall be 24" in width. Crosswalk lines shall be 24" wide and a minimum of 9' long.
12. Word and symbol markings shall be the narrow type.
13. 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.
14. The contractor shall notify El Paso County Planning and Community Development (719) 520-6819 prior to and upon completion of signing and striping.
15. 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.

Revised



MOVABLE – SKIDS

AS REQUIRED *

ROAD CLOSED R11-2

DETOUR M4-10(R)

1'-6"

1'-6"

SANDBAGS FOR ADDED STABILITY

5' MAX.

6'-8" MAX. 5'-0" MIN.

The diagram illustrates a movable barrier system for a road closure. It shows a series of horizontal barriers with diagonal hatching. A sign on the barrier reads "ROAD CLOSED R11-2" and "DETOUR M4-10(R)". The barriers are supported by a base that can be adjusted horizontally, indicated by a dimension line labeled "AS REQUIRED *". The barriers are also supported by a vertical post on the left, which is secured with "SANDBAGS FOR ADDED STABILITY". The height of the barriers is specified as 1'-6" and 1'-8". The total length of the barrier system is indicated as 5' MAX. The width of the barrier system is specified as 6'-8" MAX. 5'-0" MIN.

MOVABLE-HINGED

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


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Colorado Springs, Colorado 80903 (719) 785-0790/f

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

1. 4" LETTERS ON STREET NAME SIGNS INTERSECTING STREET OF 25 MPH OR LESS.
6" LETTERS ON STREET NAME SIGNS INTERSECTING STREETS OF 30 TO 40 MPH'S.
8" LETTERS ON STREET NAME SIGNS INTERSECTING STREETS OF GREATER THAN
40 MPH.

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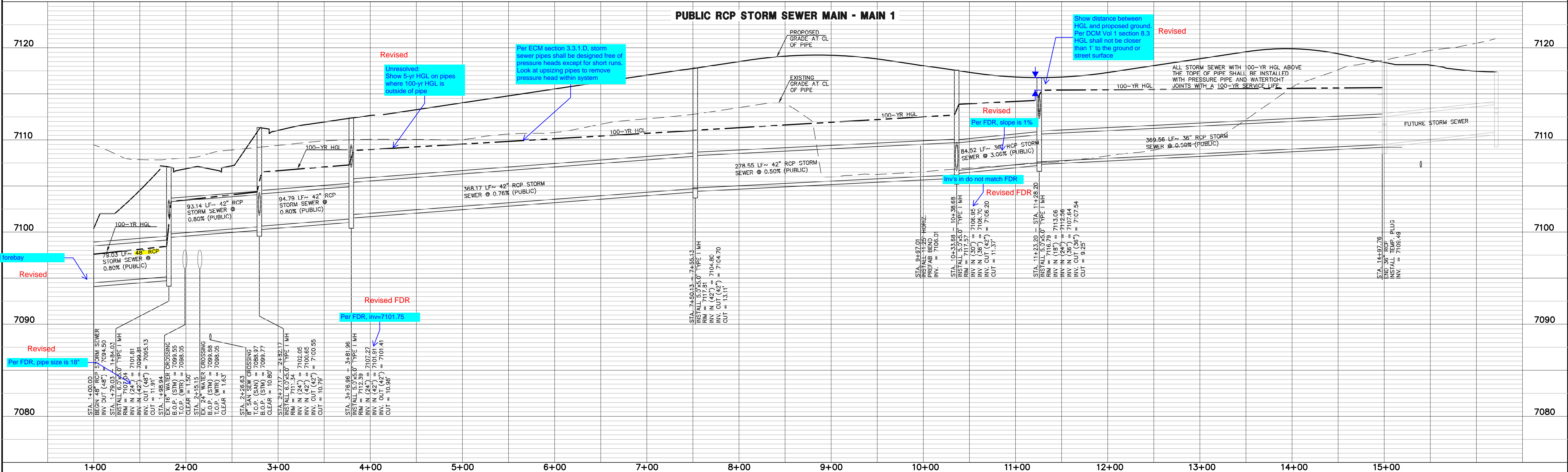
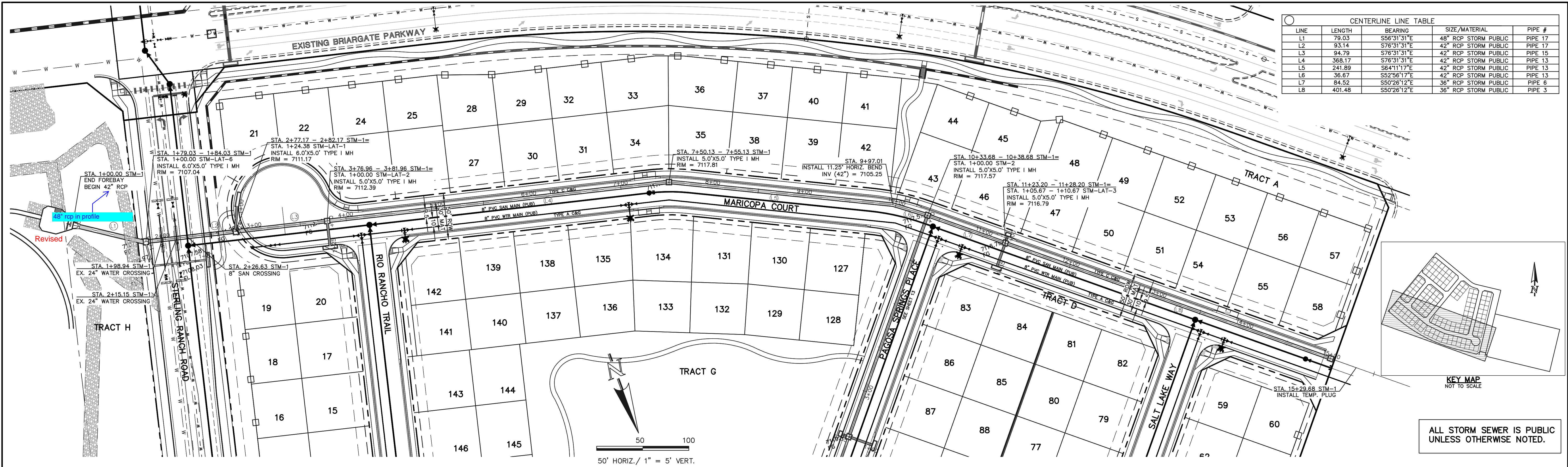
NO.	REVISION	DATE

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

DAVID I. GIBSON, COLORADO P.F. #46477

DATE _____

CLASSICSM
CONSULTING



LEGEND

PROPOSED FIRE HYDRANT	EXISTING FIRE HYDRANT
PROPOSED WATER MAIN	EXISTING WATER MAIN
PROPOSED SANITARY SEWER MAIN	EXISTING SANITARY SEWER MAIN
PROPOSED STORM SEWER	EXISTING STORM SEWER
PROPOSED STORM INLET	EXISTING STORM INLET
ROW/BOUNDARY LINE	EXISTING G MAIN
	EXISTING ELECTRIC

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DAVID L GIBSON, COLORADO P.E. #46477 DATE

CLASSIC CONSULTING

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Colorado Springs, Colorado 80903

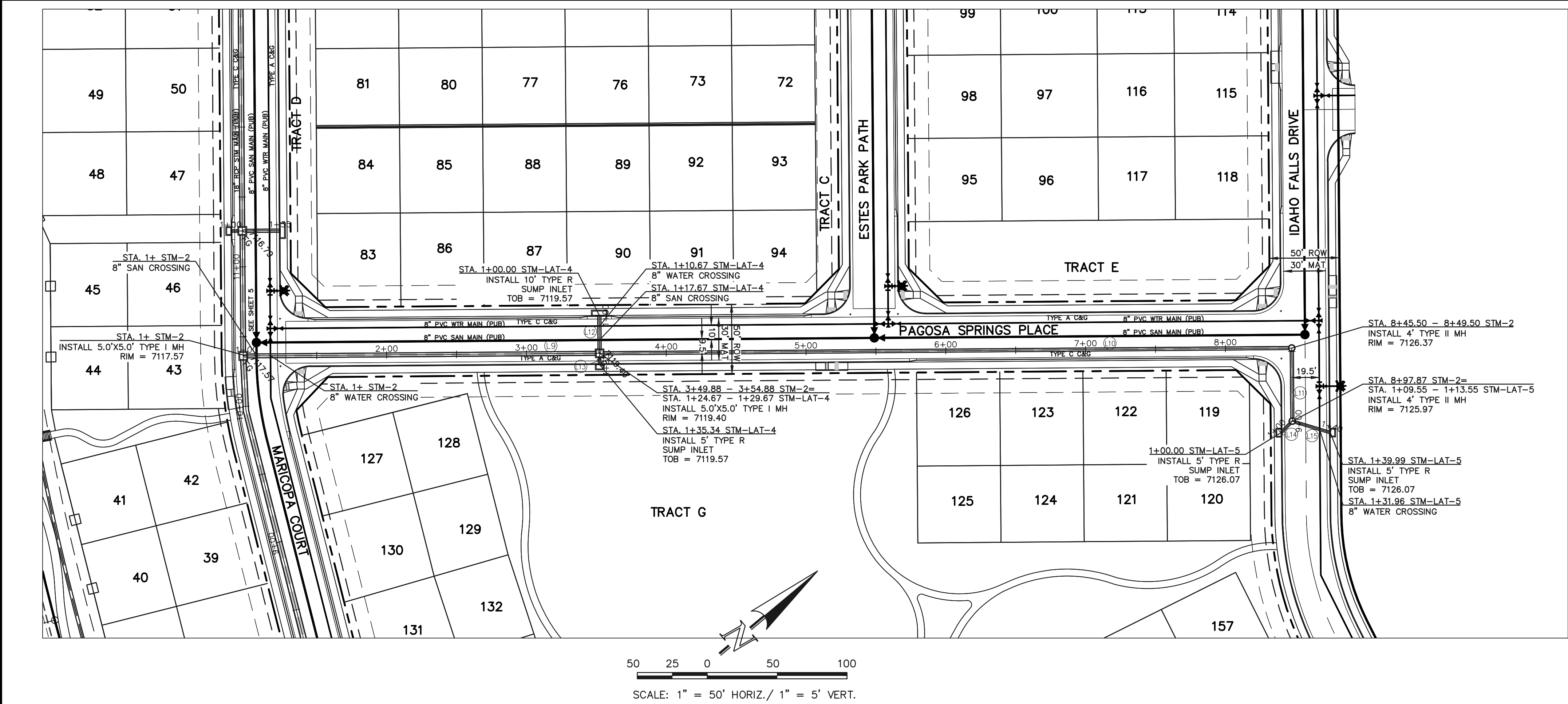
(719)785-0790
(719)785-0799(Fax)

FOURSQUARE AT STERLING RANCH EAST

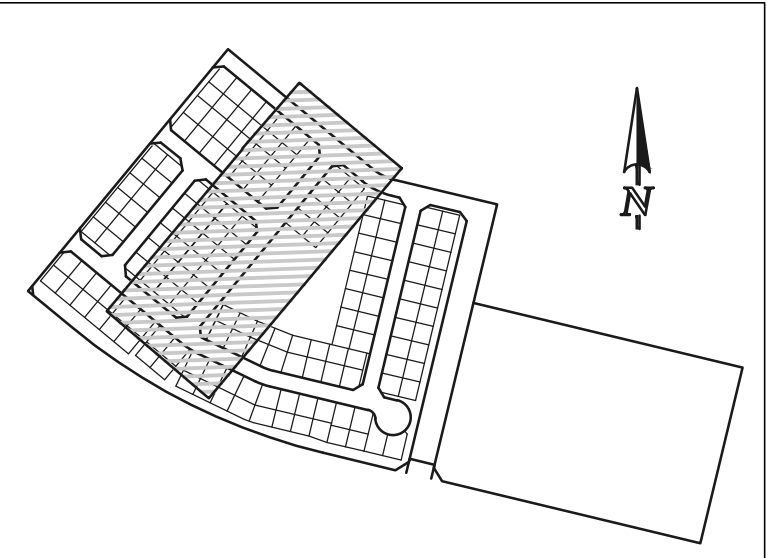
FILING NO. 1

PUBLIC STORM SEWER

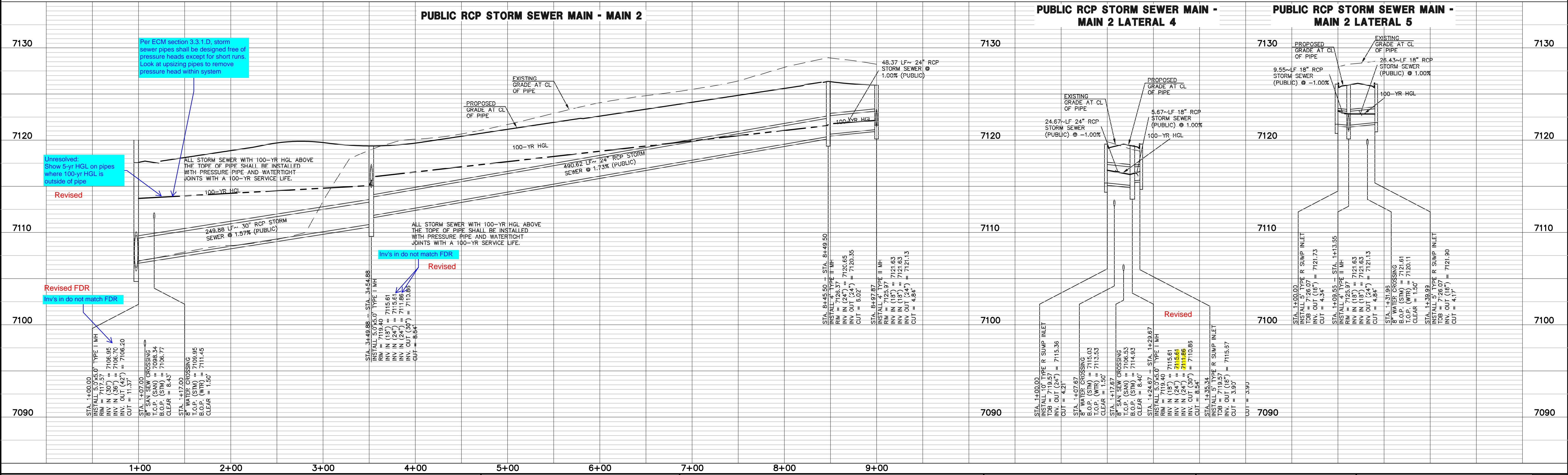
DESIGNED BY	JRH	SCALE	DATE	10/07/22
DRAWN BY	JRH	(H) 1"= 50'	SHEET	20 OF 29
CHECKED BY		(V) 1"= 5'	JOB NO.	1183.23



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



ALL STORM SEWER IS PUBLIC
UNLESS OTHERWISE NOTED.



PROPOSED FIRE HYDRANT

PROPOSED WATER MAIN

PROPOSED SANITARY SEWER MAIN

PROPOSED STORM SEWER

PROPOSED STORM INLET

ROW/BOUNDARY LINE

EXISTING FIRE HYDRANT

EXISTING WATER MAIN

EXISTING SANITARY SEWER MAIN

EXISTING STORM SEWER

EXISTING STORM INLET

EXISTING GAS MAIN

EXISTING ELECTRIC

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REVIEW:

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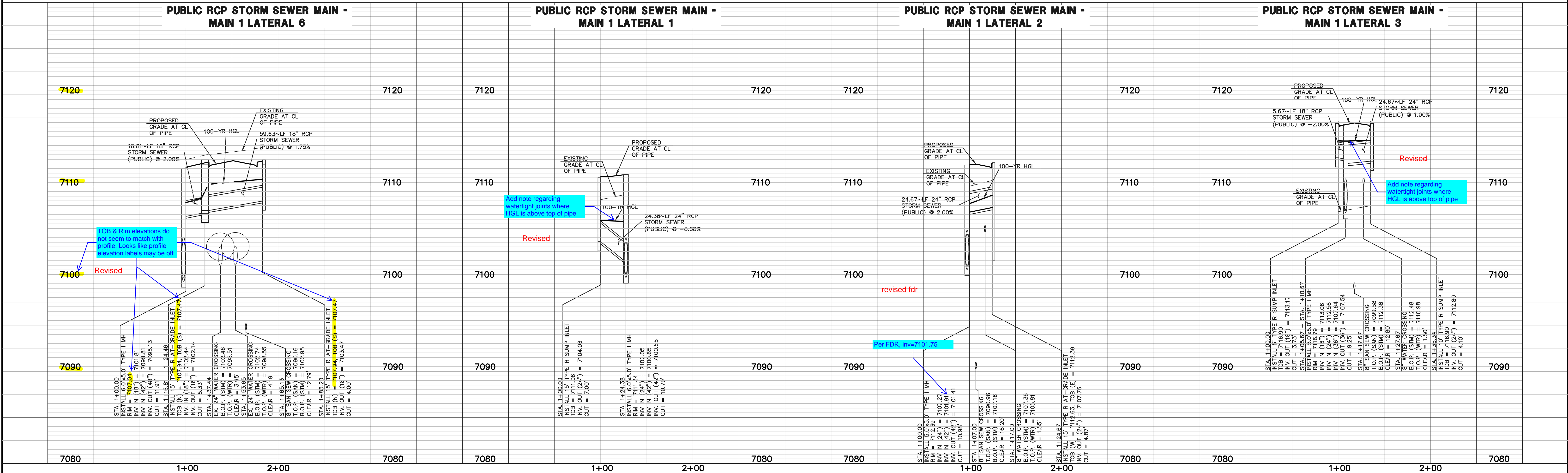
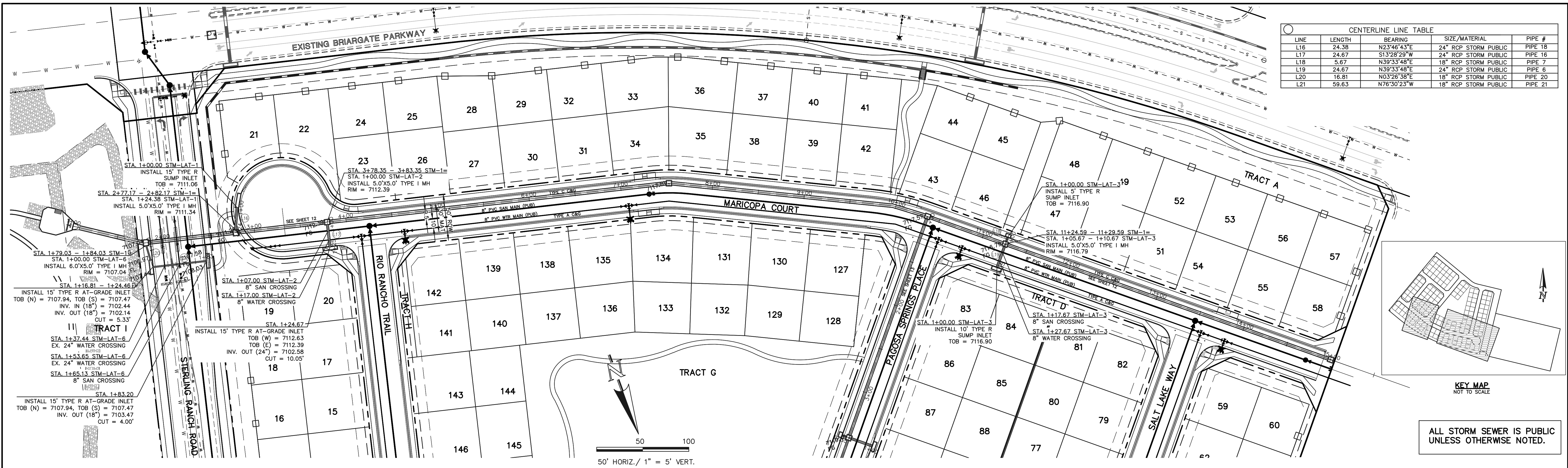
DAVID L. GIBSON, COLORADO P.E. #46477

DATE

FOURSQUARE AT STERLING RANCH EAST
FILING NO. 1

PUBLIC STORM SEWER

DESIGNED BY	JRH	SCALE	DATE	10/07/22
DRAWN BY	JRH	(H) 1" = 50'	SHEET	21 OF 29
CHECKED BY		(V) 1" = 5'	JOB NO.	1183.23



LEGEND

PROPOSED FIRE HYDRANT

PROPOSED WATER MAIN

PROPOSED SANITARY SEWER MAIN

PROPOSED STORM SEWER

PROPOSED STORM INLET

ROW/BOUNDARY LINE

EXISTING FIRE HYDRANT

EXISTING WATER MAIN

EXISTING SANITARY SEWER MAIN

EXISTING STORM SEWER

EXISTING STORM INLET

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EXISTING ELECTRIC

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NO. REVISION

DATE

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DAVID L. GIBSON, COLORADO P.E. #46477

DATE

CLASSIC CONSULTING

FOURSQUARE AT STERLING RANCH EAST
FILING NO. 1

PUBLIC STORM SEWER

DESIGNED BY: JRH

SCALE: (H) 1" = 50'

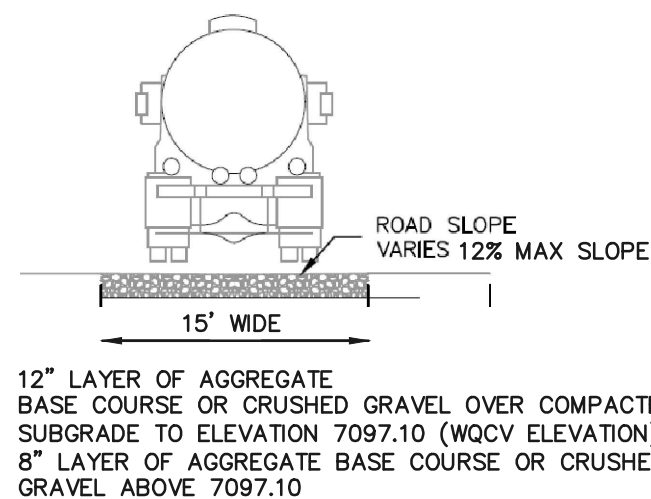
DATE: 10/07/22

DRAWN BY: JRH

CHECKED BY: JRH

SHEET 22 OF 29

JOB NO. 1183.23

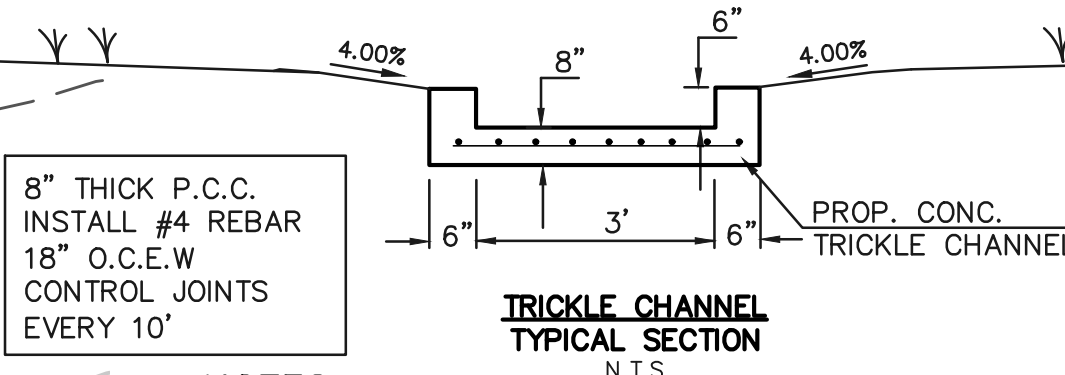


ACCESS ROAD

Unresolved: If this is a park provide access grading (see Parks comments)

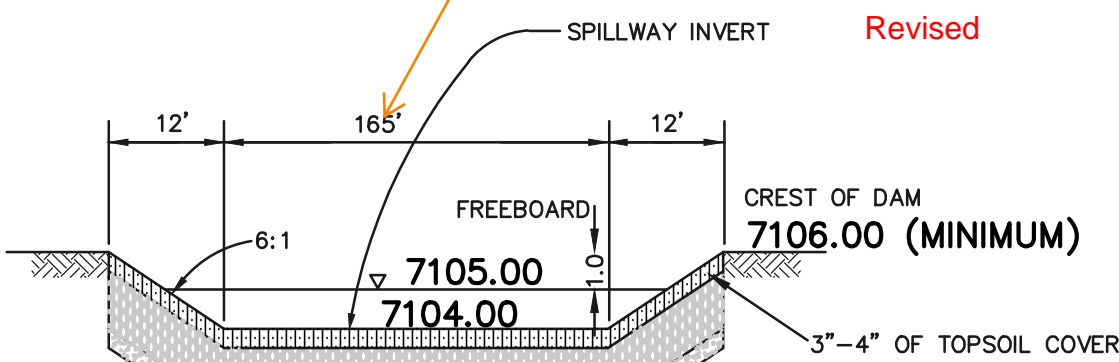
NOTES:
DEVELOPER IS REQUIRED TO CONSTRUCT SIDEWALK ADJACENT TO AND THRU ALL TRACTS AS SHOWN (TYPICAL) THE WIDTH OF THE PEDESTRIAN RAMPS MUST MATCH THE WIDTH OF SIDEWALKS

note removed

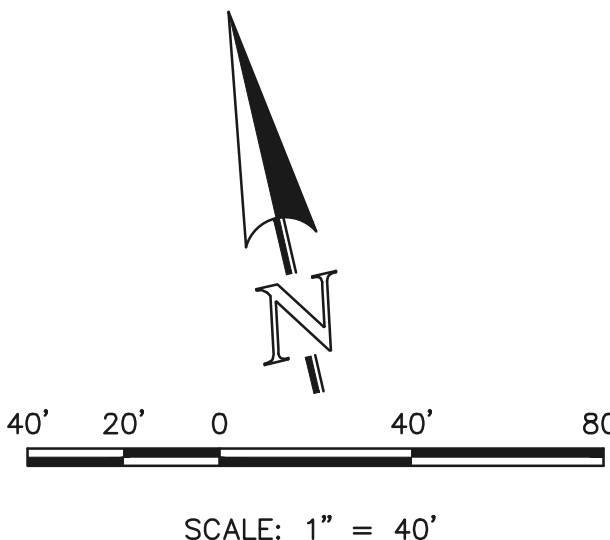


NOTES:
- POND BOTTOM TO SLOPE TOWARD TRICKLE CHANNEL AT 4%

This length does match the calcs on FDR pg 88. Calcs show that this should be 170ft. It was shown as 165ft in calcs with the first submittal but now does not match with this 2nd submittal.

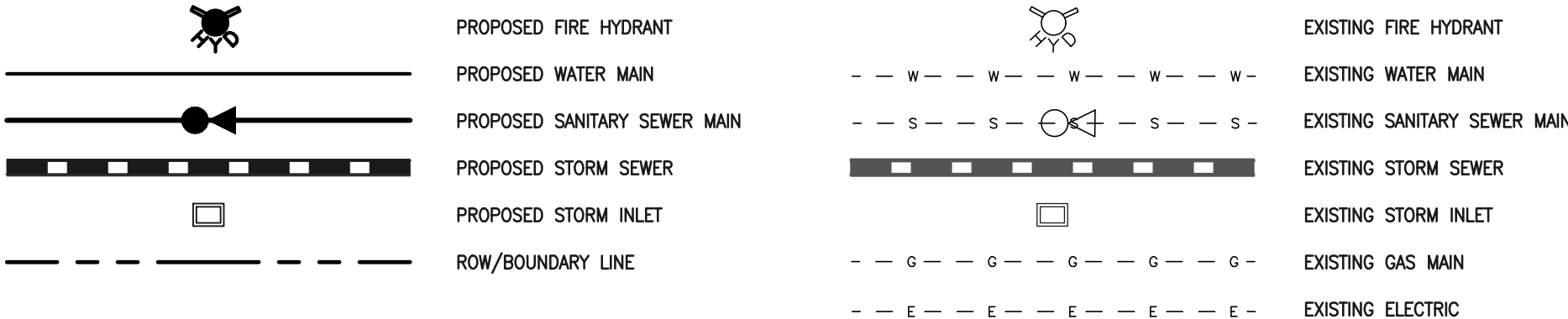


EMERGENCY SPILLWAY SECTION
SCALE: N.T.S.



RESEEDING NOTE:
ALL AREAS OF LAND DISTURBANCE ARE TO BE RESEED. REAPPLY SEED & OTHER EROSION CONTROL MEASURES AS NEEDED TO PREVENT EROSION AND SEDIMENT RUNOFF ONTO AND FROM CONSTRUCTION ACTIVITIES.

LEGEND



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NO.	REVISION	DATE

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CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

DAVID L GIBSON, COLORADO P.E. #46477 DATE

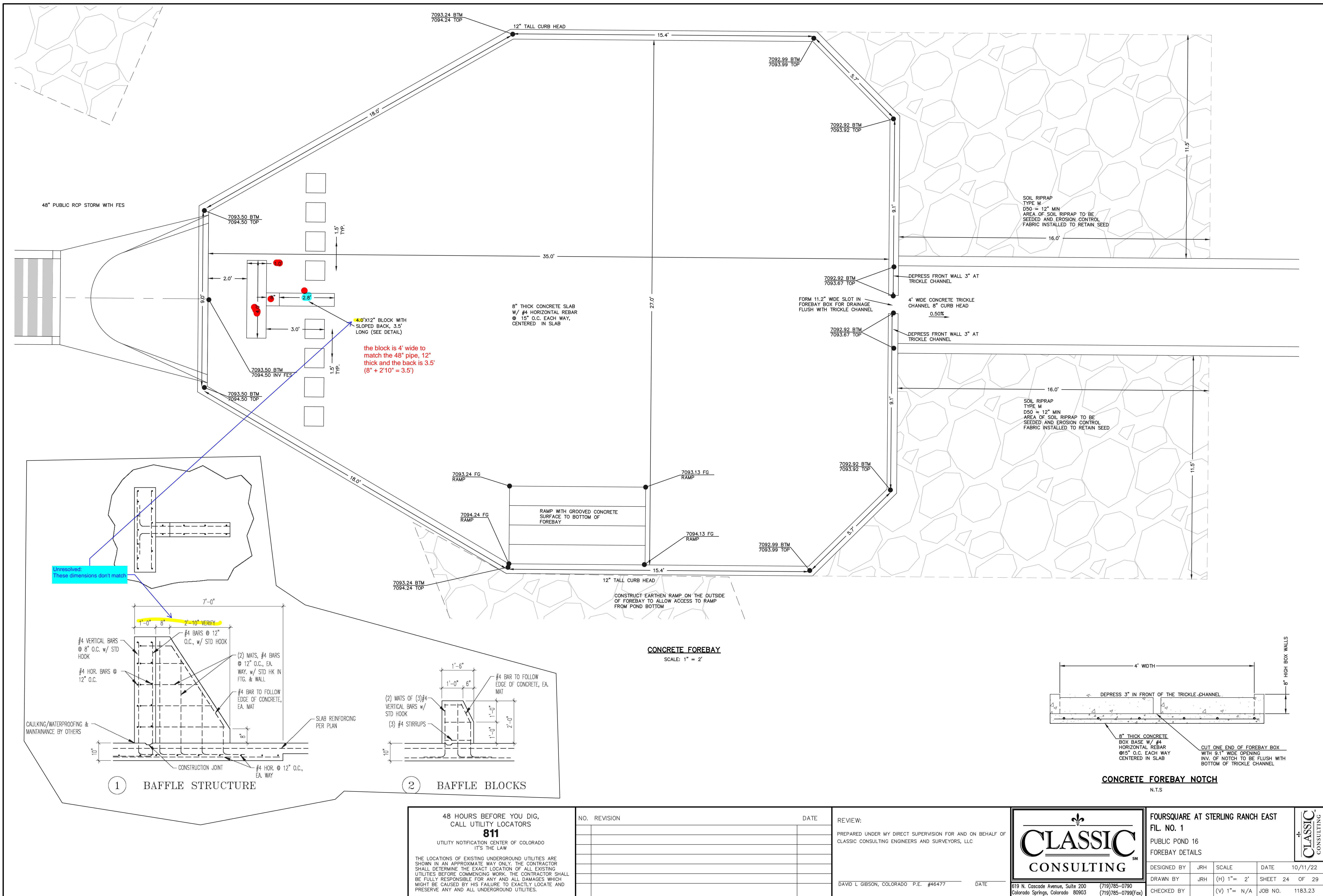


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(719)785-0799(Fax)

FOURSQUARE AT STERLING RANCH EAST
FILE NO. 1

PRIVATE PERMANENT CONTROL MEASURE
PRIVATE EXTENDED DETENTION BASIN PLAN SET

DESIGNED BY	JRH	SCALE	DATE	10/07/22
DRAWN BY	JRH	(H) 1"= 40'	SHEET	23 OF 29
CHECKED BY	(V) 1"= N/A	JOB NO.	1183.23	



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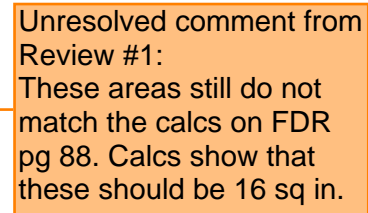
DAVID L GIBSON, COLORADO P.E. #46477 DATE



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FOURSQUARE AT STERLING RANCH EAST FIL NO. 1 PUBLIC POND 16 FOREBAY DETAILS			
DESIGNED BY	JRH	SCALE	DATE 10/11/22
DRAWN BY	JRH	(H) 1"= 2'	SHEET 24 OF 29
CHECKED BY		(V) 1"= N/A	JOB NO. 1183.23



INSTALL STEPS

WQ INV. = 7091.50

MICRO POOL

FG CONCRETE/BOTTOM OF
MICROPOOL = 7089.00

ULTIMATE - 100-YR W.S.E. = 7103.21

$$\frac{\text{ULTIMATE} - \text{EURV YR W.S.E.}}{\text{ULTIMATE} - 5\text{-YR W.S.E.}} = \frac{7100.85}{7100.82}$$

INTERIM - 100-YR W.S.E. = 7097.76

$$\frac{\text{INTERIM}}{\text{INTERIM}} - \frac{\text{EURV YR W.S.E.}}{5\text{-YR W.S.E.}} = \frac{7096.07}{7095.99}$$

INTERIM - WQCV YR W.S.E. = 7094.48

MICROPOOL WING WALL

MICROPOOL W.S.E./SWQ

FG CONCRETE ELEV. =7089.00

20'X4' OUTLET BOX MICRO POOL SECTION A

SCALE 1" = 2'

O.C. EACH WAY, CENTERED

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

DAVID L GIBSON, COLORADO P.E. #46477

DATE _____

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Colorado Springs, Colorado 80903 (719)785-0799(Fax)

FOURSQUARE AT STERLING RANCH EAST FIL. NO. 1
PRIVATE PERMANENT CONTROL MEASURE

PRIVATE EXTENDED DETENTION BASIN OUTLET BOX DETAILS

DESIGNED BY	JRH	SCALE	DATE	10/11/22
DRAWN BY	JRH	(H) 1"= 5'	SHEET 25	OF 29
CHECKED BY		(V) 1"= N/A	JOB NO.	1183.23

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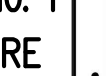
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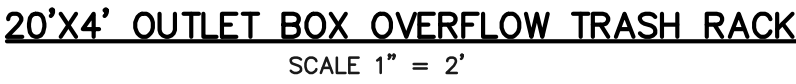
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REVIEW:

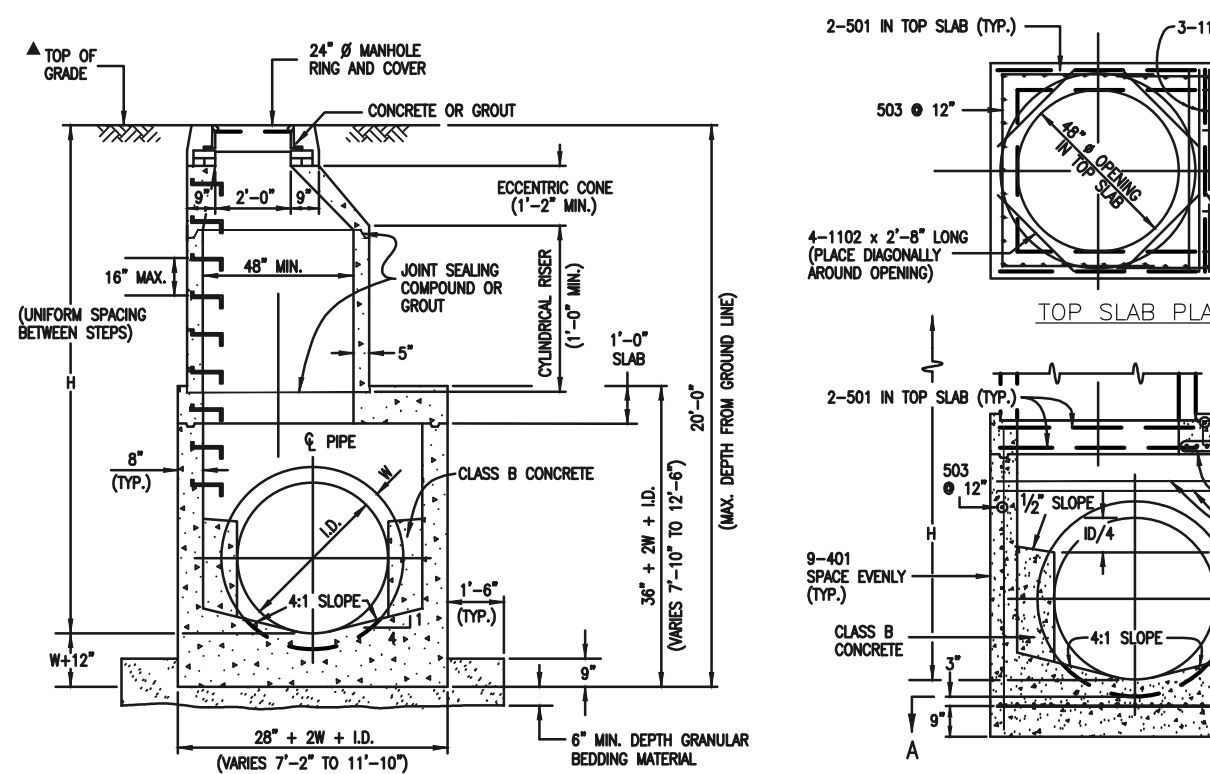
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
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DAVID L. GIBSON, COLORADO P.E. #46477 DATE

FOURSQUARE AT STERLING RANCH EAST FIL. NO. 1 PRIVATE PERMANENT CONTROL MEASURE PRIVATE EXTENDED DETENTION BASIN OUTLET BOX DETAILS					
DESIGNED BY	JRH	SCALE	DATE		10/11/22
DRAWN BY	JRH	(H) 1"= 5'	SHEET		25 OF 29
CHECKED BY	(V) 1"= N/A	JOB NO.	1183.23		

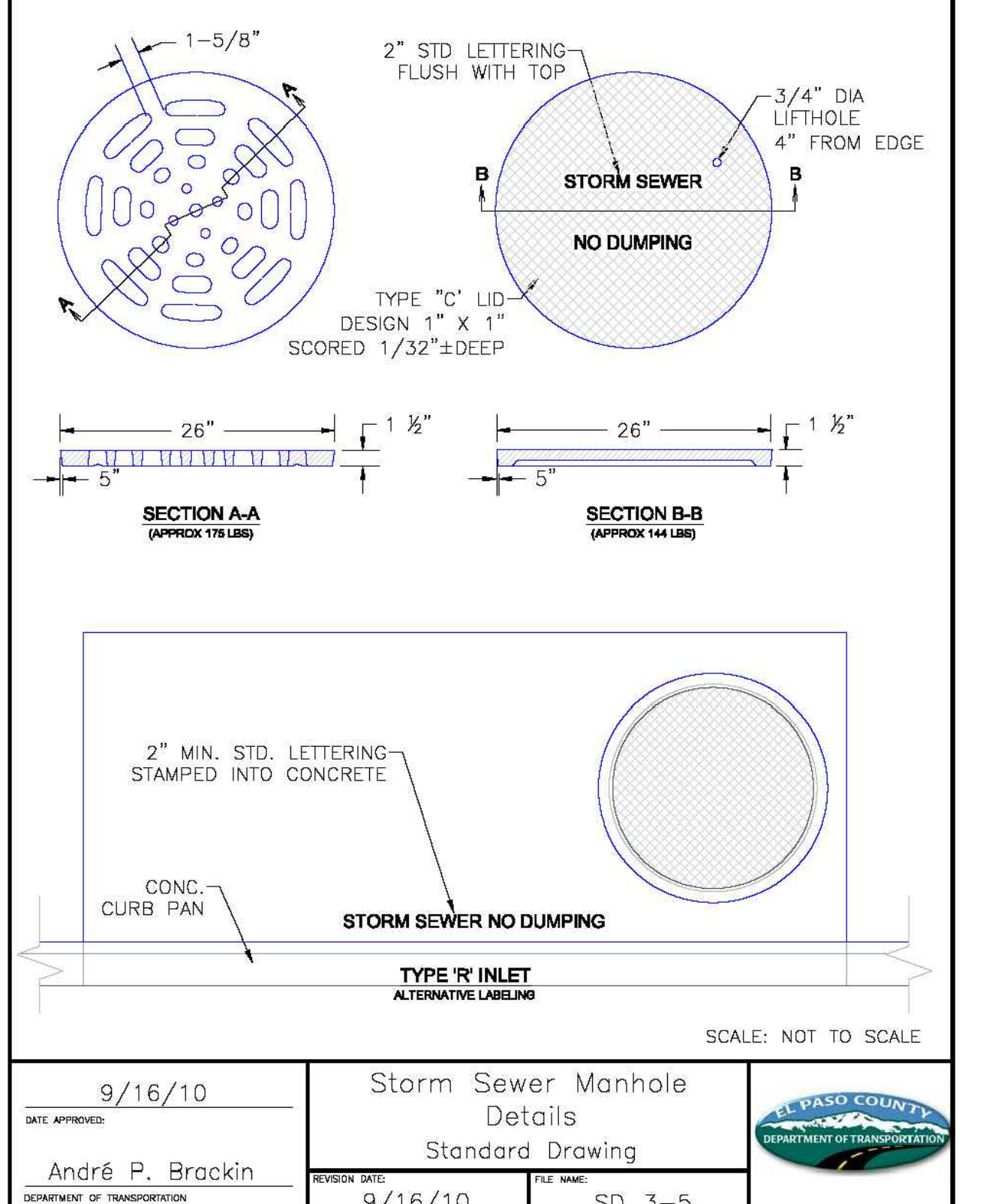
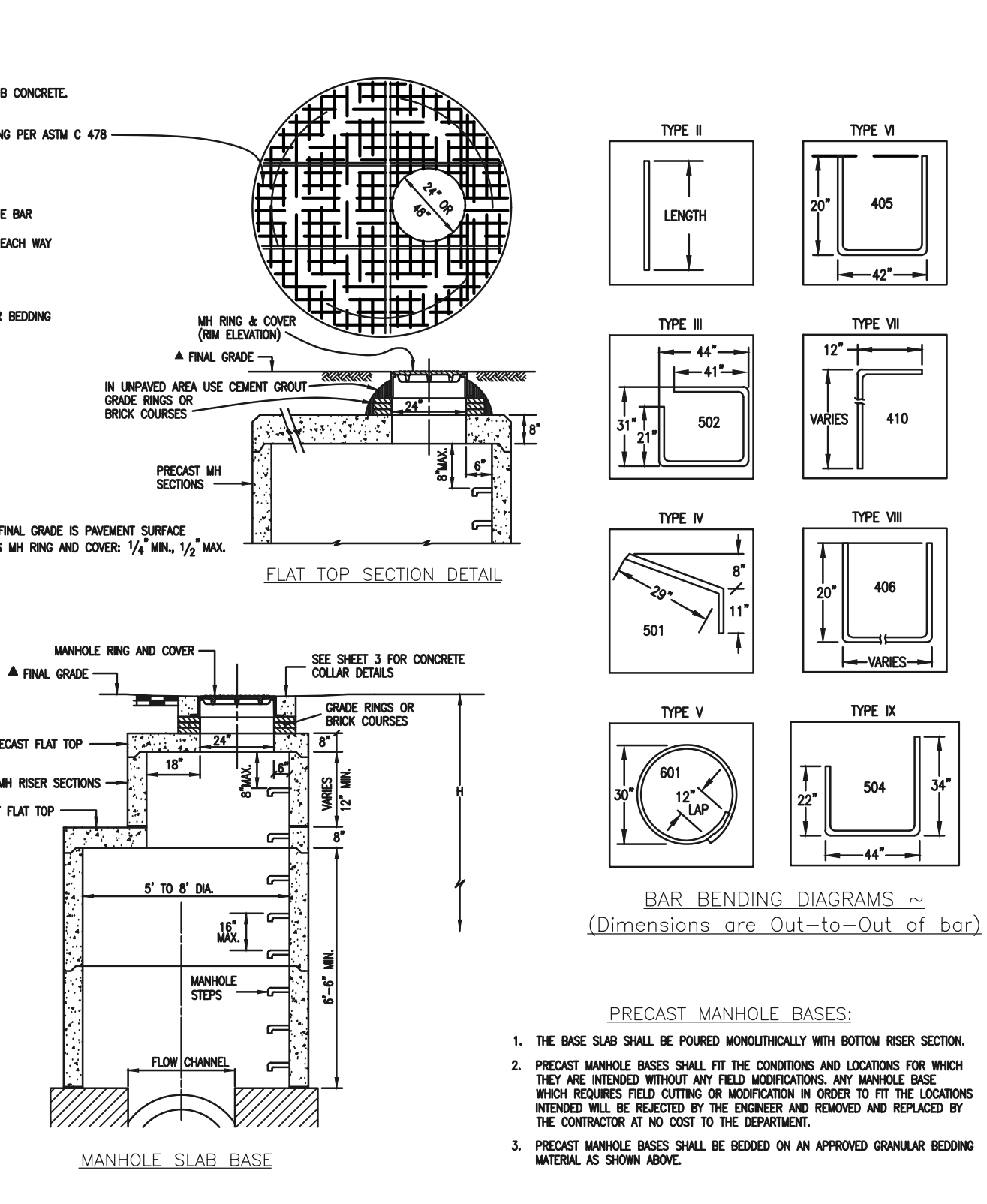
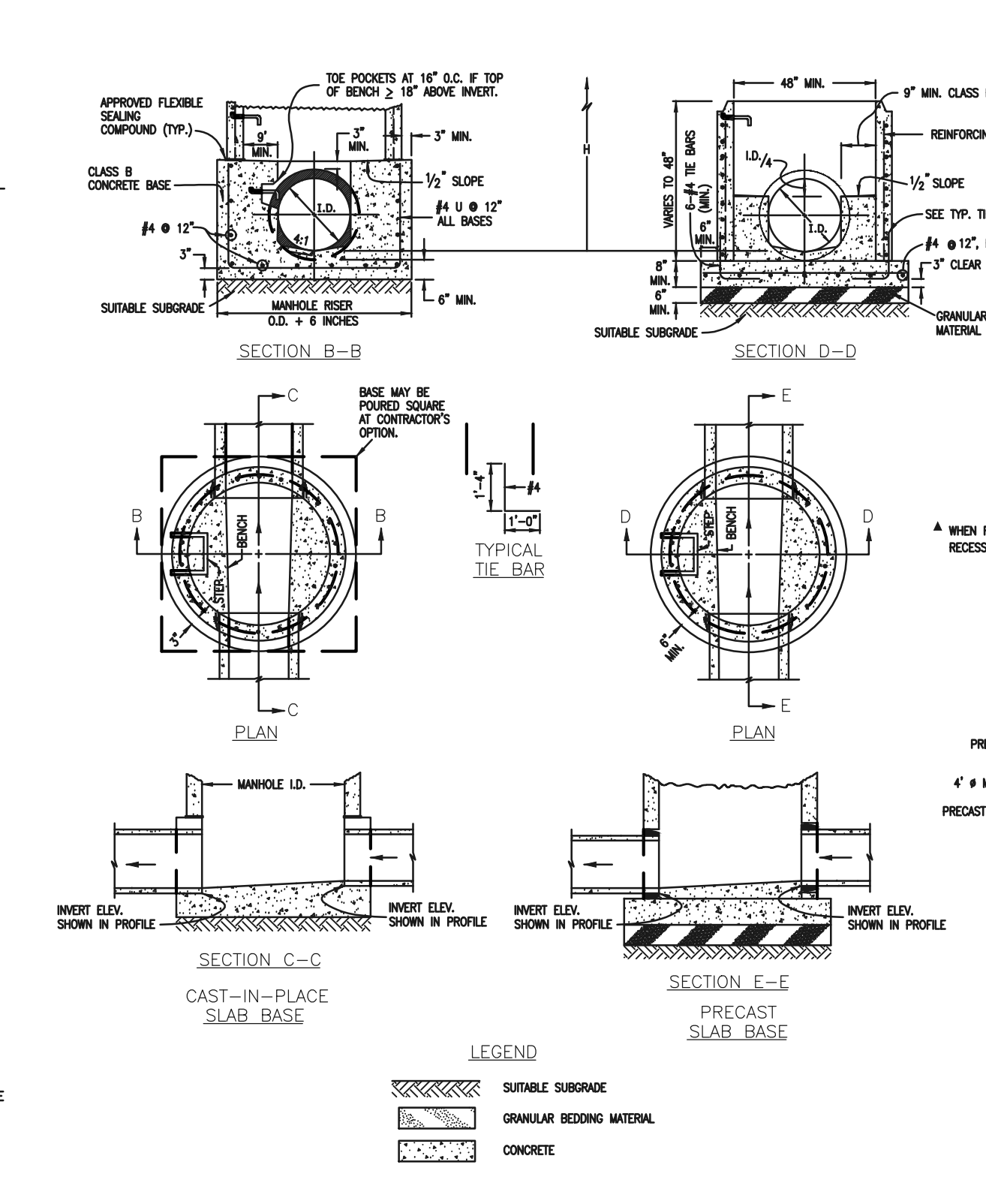
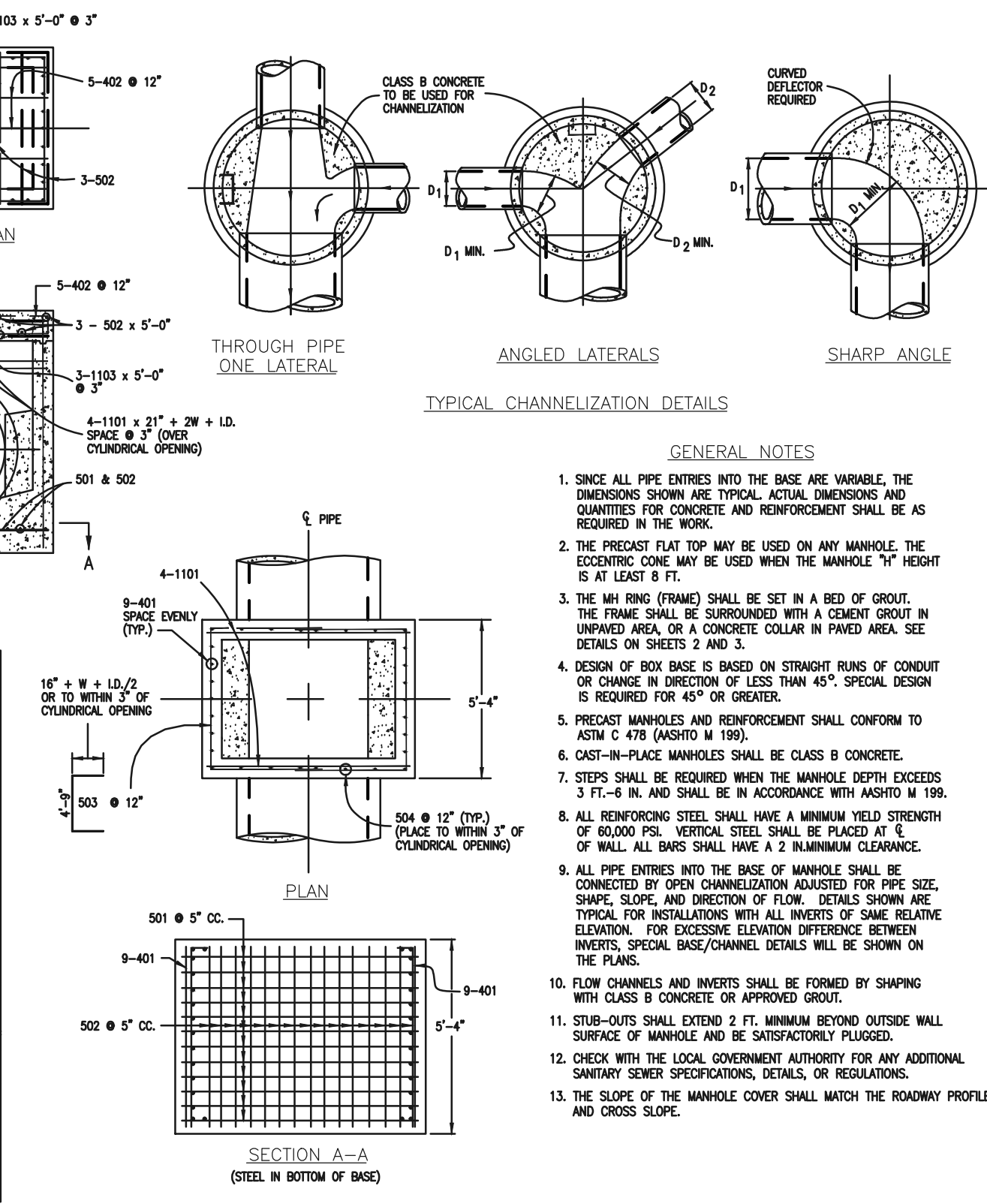


<div>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS</div> <div>811</div> <div>UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW</div> <div>THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES 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.</div>	NO. REVISION		DATE	REVIEW: PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC <
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QUANTITIES FOR CONCRETE MANHOLE BOX BASE

MARK	TYPE	WT. #/FT.	MARK	TYPE	WT. #/FT.	MARK	TYPE	WT. #/FT.	MARK	TYPE	WT. #/FT.
401	I	0.688	402	II	0.688	403	I	1.043	404	II	1.043
405	I	1.043	406	II	1.043	407	I	1.043	408	II	1.043
409	I	1.043	410	II	1.043	411	I	1.043	412	II	1.043
413	I	1.043	414	II	1.043	415	I	1.043	416	II	1.043
417	I	1.043	418	II	1.043	419	I	1.043	420	II	1.043
421	I	1.043	422	II	1.043	423	I	1.043	424	II	1.043
425	I	1.043	426	II	1.043	427	I	1.043	428	II	1.043
429	I	1.043	430	II	1.043	431	I	1.043	432	II	1.043
433	I	1.043	434	II	1.043	435	I	1.043	436	II	1.043
437	I	1.043	438	II	1.043	439	I	1.043	440	II	1.043
441	I	1.043	442	II	1.043	443	I	1.043	444	II	1.043
445	I	1.043	446	II	1.043	447	I	1.043	448	II	1.043
449	I	1.043	450	II	1.043	451	I	1.043	452	II	1.043
453	I	1.043	454	II	1.043	455	I	1.043	456	II	1.043
457	I	1.043	458	II	1.043	459	I	1.043	460	II	1.043
461	I	1.043	462	II	1.043	463	I	1.043	464	II	1.043
465	I	1.043	466	II	1.043	467	I	1.043	468	II	1.043
469	I	1.043	470	II	1.043	471	I	1.043	472	II	1.043
473	I	1.043	474	II	1.043	475	I	1.043	476	II	1.043
477	I	1.043	478	II	1.043	479	I	1.043	480	II	1.043
481	I	1.043	482	II	1.043	483	I	1.043	484	II	1.043
485	I	1.043	486	II	1.043	487	I	1.043	488	II	1.043
489	I	1.043	490	II	1.043	491	I	1.043	492	II	1.043
493	I	1.043	494	II	1.043	495	I	1.043	496	II	1.043
497	I	1.043	498	II	1.043	499	I	1.043	500	II	1.043
501	I	1.043	502	II	1.043	503	I	1.043	504	II	1.043
505	I	1.043	506	II	1.043	507	I	1.043	508	II	1.043
509	I	1.043	510	II	1.043	511	I	1.043	512	II	1.043
513	I	1.043	514	II	1.043	515	I	1.043	516	II	1.043
517	I	1.043	518	II	1.043	519	I	1.043	520	II	1.043
521	I	1.043	522	II	1.043	523	I	1.043	524	II	1.043
525	I	1.043	526	II	1.043	527	I	1.043	528	II	1.043
529	I	1.043	530	II	1.043	531	I	1.043	532	II	1.043
533	I	1.043	534	II	1.043	535	I	1.043	536	II	1.043
537	I	1.043	538	II	1.043	539	I	1.043	540	II	1.043
541	I	1.043	542	II	1.043	543	I	1.043	544	II	1.043
545	I	1.043	546	II	1.043	547	I	1.043	548	II	1.043
549	I	1.043	550	II	1.043	551	I	1.043	552	II	1.043
553	I	1.043	554	II	1.043	555	I	1.043	556	II	1.043
557	I	1.043	558	II	1.043	559	I	1.043	560	II	1.043
561	I	1.043	562	II	1.043	563	I	1.043	564	II	1.043
565	I	1.043	566	II	1.043	567	I	1.043	568	II	1.043
569	I	1.043	570	II	1.043	571	I	1.043	572	II	1.043
573	I	1.043	574	II	1.043	575	I	1.043	576	II	1.043
577	I	1.043	578	II	1.043	579	I	1.043	580	II	1.043
581	I	1.043	582	II	1.043	583	I	1.043	584	II	1.043
585	I	1.043	586	II	1.043	587	I	1.043	588	II	1.043
589	I	1.043	590	II	1.043	591	I	1.043	592	II	1.043
593	I	1.043	594	II	1.043	595	I	1.043	596	II	1.043
597	I	1.043	598	II	1.043	599	I	1.043	600	II	1.043
601	I	1.043	602	II	1.043	603	I	1.043	604	II	1.043
605	I	1.043	606	II	1.043	607	I	1.043	608	II	1.043
609	I	1.043	610	II	1.043	611	I	1.043	612	II	1.043
613	I	1.043	614	II	1.043	615	I	1.043	616	II	1.043
617	I	1.043	618	II	1.043	619	I	1.043	620	II	1.043
621	I	1.043	622	II	1.043	623	I	1.043	624	II	1.043
625	I	1.043	626	II	1.043	627	I	1.043	628	II	1.043
629	I	1.043	630	II	1.043	631	I	1.043	632	II	1.043
633	I	1.043	634	II	1.043	635	I	1.043	636	II	1.043
637	I	1.043	638	II	1.043	639	I	1.043	640	II	1.043
641	I	1.043	642	II	1.043	643	I	1.043	644	II	1.043
645	I	1.043	646	II	1.043	647	I	1.043	648	II	1.043
649	I	1.043	650	II	1.043	651	I	1.043	652	II	1.043
653	I	1.043	654	II	1.043	655	I	1.043	656	II	1.043
657	I	1.043	658	II	1.043	659	I	1.043	660	II	1.043
661	I	1.043	662	II	1.043	663	I	1.043	664	II	1.043
665	I	1.043	666	II	1.043	667	I	1.043	668	II	1.043
669	I	1.043	670	II	1.043	671	I	1.043	672	II	1.043
673	I	1.043	674	II	1.043	675	I	1.043	676	II	1.043
677	I	1.043	678	II	1.043	679	I	1.043	680	II	1.043
681	I	1.043	682	II	1.043	683	I	1.043	684	II	1.043
685	I	1.043	686	II	1.043	687	I	1.043	688	II	1.043
689	I	1.043	690	II	1.043	691	I	1.043	692	II	1.043
693	I	1.043	694	II	1.043	695	I	1.043	696	II	1.043
697	I	1.043	698	II	1.043	699	I	1.043	700	II	1.043
701	I	1.043	702	II	1.043	703	I	1.043	704	II	1.043
705	I	1.043	706	II	1.043	707	I	1.043	708	II	1.043
709	I	1.043	710	II	1.043	711	I	1.043	712	II	1.043
713	I	1.043	714	II	1.043	715	I	1.043	716	II	1.043
717	I	1.043	718	II	1.043	719	I	1.043	720	II	1.043
721	I	1.043	722	II	1.043	723	I	1.043	724	II	1.043
725	I	1.043	726	II	1.043	727	I	1.043	728	II	1.043
729	I	1.043	730	II	1.043	731	I	1.043	732	II	1.043
733	I	1.043	734	II	1.043	735	I	1.043	736	II	1.043
737	I	1.043	738	II	1.043	739	I	1.043	740	II	1.043
741	I	1.043	742	II	1.043	743	I	1.043	744	II	1.043
745	I	1.043	746	II	1.043	747	I	1.043	748	II	1.043
749	I	1.043	750	II	1.043	751	I	1.043	752	II	1.043
753	I	1.043	754	II	1.043	755	I	1.043	756	II	1.043
757	I	1.043	758	II	1.043	759	I	1.043	760	II	1.043
761	I	1.043	762	II	1.043	763	I	1.043	764	II	1.043
765	I	1.043	766	II	1.043	767	I	1.043	768	II	1.043
769	I	1.043	770	II	1.043	771	I	1.043	772	II	1.043
773	I	1.043	774	II	1.043	775	I	1.043	776	II	1.043
777	I	1.043	778	II	1.043	779	I	1.043	780	II	1.043
781	I	1.043	782	II	1.043	783	I	1.043	784	II	1.043
785	I	1.043	786	II	1.043	787	I	1.043	788	II	1.043
789	I	1.043	790	II	1.043	791	I	1.043	792	II	1.043
793	I	1.043	794	II	1.043	795	I	1.043	796	II	1.043
797	I	1.043	798	II	1.043	799	I	1.043	800	II	1.043



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

MARK	DIA. IN.	O.C. SPACING	TYPE	ALL INLETS		INLETS, H ≤ 5'				INLETS, H > 5'			
				L= → 5'		10'		15'		10'		15'	
				NO. REQ'D	LENGTH	NO. REQ'D	LENGTH	NO. REQ'D	LENGTH	NO. REQ'D	LENGTH	NO. REQ'D	LENGTH
401	11"	II		15	*	21	*	26	*	11	*	11	*
402	11"	II		7	*	13	*	18	*	7	*	7	*
403	9"	II		7	4'-10"	*	4'-0"	*	4'-0"	*	4'-0"	*	4'-10"
405	6"	VI	11	6'-10"	21	6'-10"	31	6'-10"	11	6'-10"	11	6'-10"	
406	6"	VIII	7	8'-10"	7	13'-10"	7	18'-10"	7	8'-10"	7	8'-10"	
407	9"	II	*	5'-10"	*	10'-10"	*	15'-10"	*	5'-10"	*	5'-10"	
408	12"	II	3	6'-10"	3	11'-0"	3	16'-0"	3	11'-0"	3	16'-0"	
409	8"	II	6	5'-10"	6	10'-10"	6	15'-10"	6	10'-10"	6	15'-10"	
410	11"	VII							3		3		
411	11"	II							3	5'-2"	3	10'-2"	
412	11"	II							3	2'-9"	3	2'-9"	
413	9"	II							7	10'-10"	7	15'-10"	
501	5 1/2"	IV	11	3'-4"	22	3'-4"	33	3'-4"	22	3'-4"	33	3'-4"	
502	5 1/2"	III	7	3'-4"	16	3'-4"	26	3'-4"	11	11'-5"	17	11'-5"	
503	5 1/2"	II	5	3'-6"	16	3'-6"	27	3'-6"	6	3'-6"	6	3'-6"	
504	5 1/2"	IX									5	8'-4"	
601	3/4"												
801	2 1/2"	V	2	8'-10"	2	8'-10"	2	8'-10"	2	8'-10"	2	8'-10"	
#8(8.5			1	5'-10"	1	10'-10"	1	15'-10"	1	10'-10"	1	15'-10"	
			2BARS,1FOOT		4BARS,3FOOTS		6BARS,3FOOTS		4BARS,3FOOTS		6BARS,3FOOTS		

* VARIABLE, REFER TO TABLE TWO.
INCLUDE 1" W/ 1" & BARS (SEE CHAMFER LAYOUT DETAILS)