

COUNTY OF EL PASO, STATE OF COLORADO

1. THE LOCATION OF EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND MAY NOT INCLUDE ALL UTILITIES. THE EXCAVATION CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATED AND PRESERVE ANY AND ALL UTILITIES.

5. ALL STATIONING IS CENTERLINE UNLESS OTHERWISE INDICATED. ALL ELEVATIONS ARE CENTERLINE UNLESS OTHERWISE INDICATED.

Please update to current EPC Standard Notes. Copy has been provided in EDARP

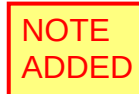
- b. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
- c. CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
- d. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
- e. CDOT M & S STANDARDS

Please update to current EPC Standard S & S Notes. Copy has been provided in EDARP

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. 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."

A. EAST 1/16TH CORNER OF SECTION 28, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPLE MERIDIAN LOCATED AT SOUTHEAST CORNER OF VOLLMER ROAD AND POCO ROAD APPROXIMATELY 50 FEET SOUTH OF THE CENTERLINE OF POCO ROAD.
ELEVATION = 7211.95

- B. THE SOUTH LINE OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 28, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, BEING MONUMENTED AT THE WEST END WHICH IS THE SOUTHWEST CORNER OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 28, BY A 3-1/4" ALUMINUM SURVEYOR'S CAP STAMPED "ESI PLS 10376, 2006" AND AT THE EAST END, WHICH IS A 30' WITNESS CORNER TO THE EAST OF THE EAST QUARTER CORNER OF SAID SECTION 28, BY A 3-1/4" ALUMINUM SURVEYOR'S CAP STAMPED "ESI 10376, 2006", IS ASSUMED TO BEAR N89°08'28"E, A DISTANCE OF 1356.68 FEET.



Condition of Approval:
Construction of any impervious surfaces (roadways, sidewalks, etc.) within Sterling Ranch East Filing 6 shall not begin until Pond FSD-16 and accompanying stormwater infrastructure required to direct flows from Sterling Ranch East Filing 6 to Pond FSD-16 are substantially completed. These areas require treatment from Pond FSD-16.



"J."
ADDED

CLASSIC

DESIGNED BY	MAW	SCALE	DATE	5-1-2021
DRAWN BY	ESO	(H) 1"= N/A	SHEET	1 OF 4
CHECKED BY		(V) 1"= N/A	JOB NO.	1183.60

PROJ NO.
ADDED

PCD No. SF-XXXX

OWNER/DEVELOPER: CLASSIC SRJ LAND, LLC
2138 FLYING HORSE CLUB DR.
COLORADO SPRINGS, CO 80921
MR. LOREN J. MORELAND (719) 592-9333

CLASSIC CONSULTING ENGINEERS & SURVEYORS
619 N. CASCADE AVENUE, SUITE 200
COLORADO SPRINGS, COLORADO 80903
MR. MARC A. WHORTON, P.E. (719) 785-2802

EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT
2880 INTERNATIONAL CIRCLE, SUITE 110
COLORADO SPRINGS, COLORADO 80910
MS. CHARLENE DURHAM (719) 520-7951

BLACKHILLS ENERGY
37 WIDEFIELD BOULEVARD
WIDEFIELD, COLORADO 80911
MR. GEORGE M. PETERSON, (719) 392-349

MOUNTAIN VIEW ELECTRIC
P.O. BOX 1600
LIMON, COLORADO 80828
MR. LES ULFERS, (719) 495-2283

BLACK FOREST FIRE PROTECTION DISTRICT
11445 TEACHOUT ROAD
COLORADO SPRINGS, CO 80908
CHIEF BRYAN JACK, (719) 495-4300

CENTURY LINK
(LOCATORS) 811

AT & T
(LOCATORS) 811

SHEET 1 OF 49	TITLE SHEET
SHEET 2 OF 49	STREET SECTIONS DETAILS AND EROSION CONTROL NOTES
SHEET 3-5 OF 49	GRADING & EROSION CONTROL PLAN--INITIAL PHASE
SHEET 6-8 OF 49	GRADING & EROSION CONTROL PLAN--INTERIM PHASE
SHEET 9-11 OF 49	GRADING & EROSION CONTROL PLAN--FINAL PHASE
SHEET 12-14 OF 49	EROSION CONTROL DETAILS
SHEET 15 OF 49	STREET PLAN AND PROFILE (STERLING RANCH RD.)
SHEET 16 OF 49	STREET PLAN AND PROFILE (APPLETON DR./VANCOUVER DR.)
SHEET 17 OF 49	STREET PLAN AND PROFILE (VANCOUVER DR./MINNEAPOLIS CT.)
SHEET 18 OF 49	STREET PLAN AND PROFILE (MINNEAPOLIS CT./MISSOULA WAY)
SHEET 19 OF 49	STREET PLAN AND PROFILE (MISSOULA WAY/GRAND FORKS WAY)
SHEET 20 OF 49	STREET PLAN AND PROFILE (MISSOULA WAY KNUCKLE/GREAT FALLS DR.)
SHEET 21 OF 49	STREET PLAN AND PROFILE (GREAT FALLS DR./ROCK SPRINGS CT.)
SHEET 22 OF 49	STREET PLAN AND PROFILE (EVANSTON PL. & KNUCKLE/RAPID CITY PL.)
SHEET 23-24 OF 49	STREET PLAN AND PROFILE (SIOUX FALLS WAY)
SHEET 25-26 OF 49	STREET PLAN AND PROFILE (BRIARGATE PARKWAY)
SHEET 27-31 OF 49	PEDESTRIAN RAMP DETAILS
SHEET 32 OF 49	SIGNAGE PLAN (BRIARGATE PARKWAY)
SHEET 33 OF 49	SIGNAGE PLAN
SHEET 34 OF 49	STREET LIGHT POLE LOCATION PLAN
SHEET 35-41 OF 49	PUBLIC STORM SEWER PLAN AND PROFILE
SHEET 42-47 OF 49	POND PLANS AND DETAILS
SHEET 48-49 OF 49	DETAIL SHEET

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 THE MOST ACCURATE AND PRACTICABLE MASTER PLANS AND WASTE MANAGEMENT TRANSPORTATION PLANS AND SPECIFICATIONS THAT CAN BE PREPARED FOR THE PROJECTS FOR WHICH THE COUNTY ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS WERE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

MARC A. WHORTON, COLORADO P.E. #37155
FOR AND ON THE BEHALF OF CLASSIC CONSULTING ENGINEERS & SURVEYORS

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

LOREN J. MORELAND, VICE PRESIDENT/PROJECT MANAGER, CLASSIC HOMES
FOR AND ON BEHALF OF ELITE PROPERTIES OF AMERICA, INC.

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 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.

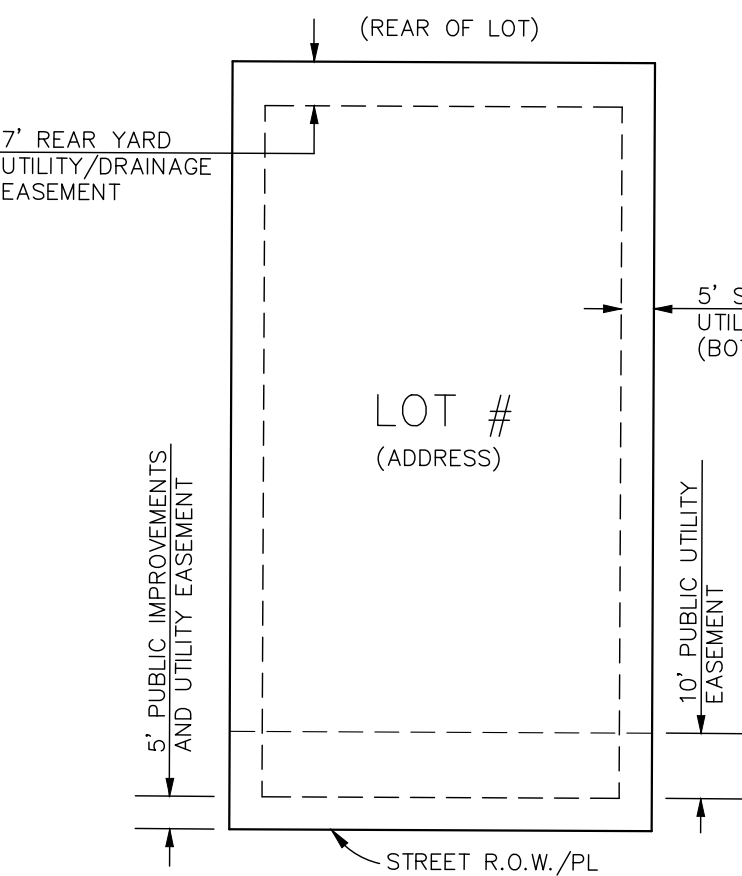
JOSHUA PALMER, P.E.
COUNTY ENGINEER / ECM ADMINISTRATOR

DATE _____

PCD No. SF-XXXX

STANDARD NOTES FOR EL PASO COUNTY GRADING AND EROSION CONTROL PLANS:

- 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.
- 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 TO REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
- 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. DURING CONSTRUCTION THE SWMP IS THE RESPONSIBILITY OF THE DESIGNATED QUALIFIED STORMWATER MANAGER OR CERTIFIED EROSION CONTROL INSPECTOR AND 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.
- 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.
- CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT MAY CONTRIBUTE POLLUTANTS TO STORMWATER. TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED IMMEDIATELY UPON COMPLETION OF THE DISTURBANCE.
- 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 IS 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.
- 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.
- 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 PLAN 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.
- ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DEFINED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT EFFECT THE HYDROLOGY OR HYDRAULICS OS A PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
- 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.
- 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 MEASURES(S).
- 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.
- CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO RUN OFF TO 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.
- DURING DEWATERING OPERATIONS, 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..
- EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
- 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.
- WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED IN THE STREET, ALLEY OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL MEASURES MAY BE REQUIRED BY EL 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 OFFSITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
- 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.
- 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.
- NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ONSITE UNLESS PERMISSION FOR THE USE OF A SPECIFIC 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.
- BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER LIQUID CHEMICALS IN ACCESS 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 FACILITIES.
- NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.
- 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 LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, OR COUNTY AGENCIES, THE MORE RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- PRIOR TO CONSTRUCTION THE PERMITEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
- A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
- THE SOILS REPORTS FOR THIS SITE HAVE BEEN PREPARED BY ENTECH ENGINEERING, INC. TITLED "SOILS AND GEOLOGY STUDY - STERLING RANCH EAST FILING NO. 5", DATED JUNE 27, 2023. THIS REPORT SHALL BE CONSIDERED A PART OF THESE PLANS.
- 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
WOOD - PERMITS
4300 CHERRY CREEK DRIVE SOUTH
DENVER, CO 80246-1530
ATTN: PERMITS UNIT



DETAIL: TYPICAL LOT EASEMENTS
N.T.S.

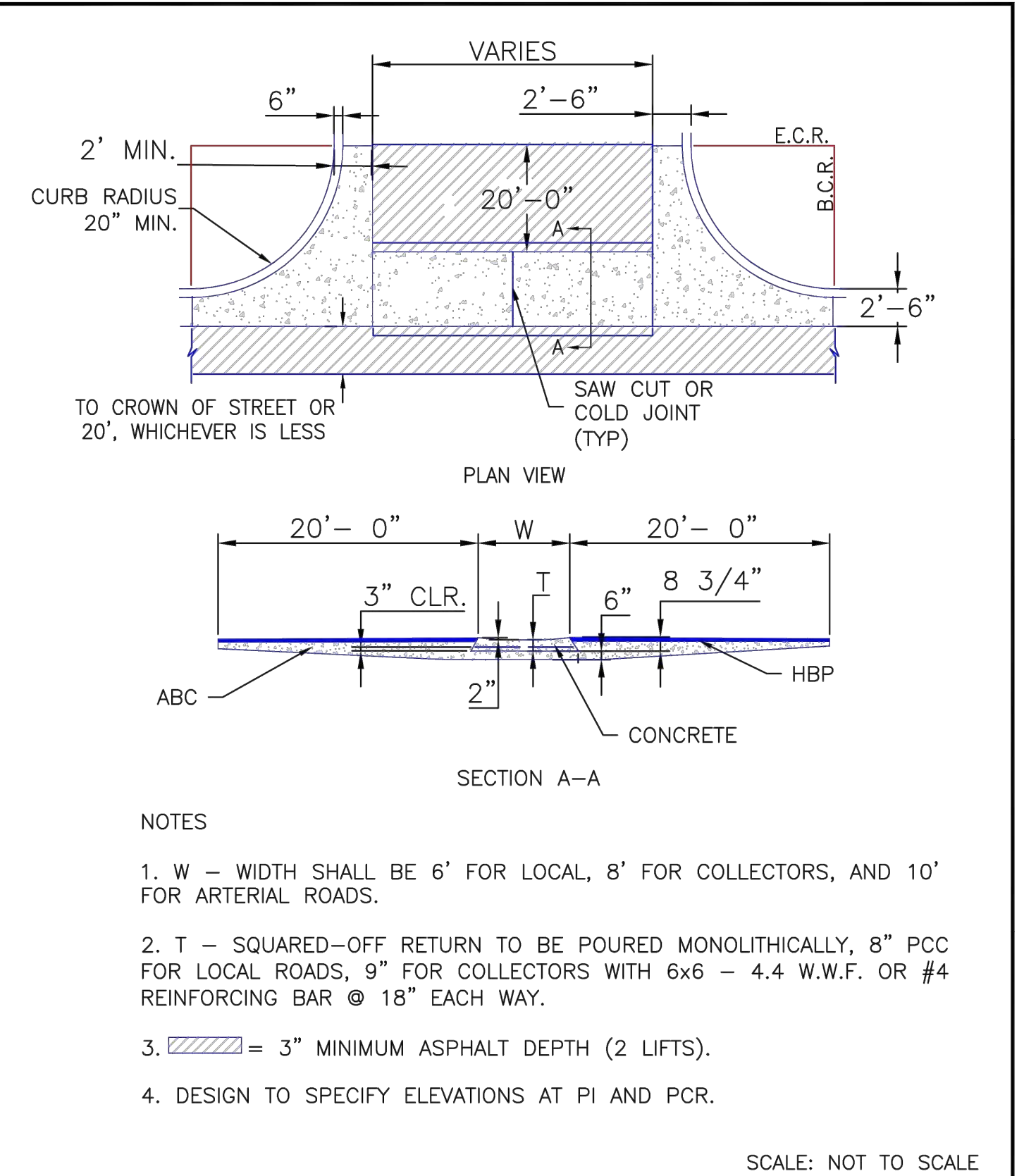
- NOTES:
- DIMENSIONS SHOWN ARE TYPICAL UNLESS OTHERWISE NOTED ON PLANS.
 - SEE PLANS FOR EASEMENTS WITHIN TRACTS
 - DEPENDING UPON FINAL UTILITY DESIGN, SOME OF THE SIDE AND REAR EASEMENTS MAY NOT BE UTILIZED.
 - UTILITY EASEMENT USE WITHIN FOREST MITIGATION AREAS WILL BE MINIMIZED AS MUCH AS POSSIBLE.

REVISED NOTES

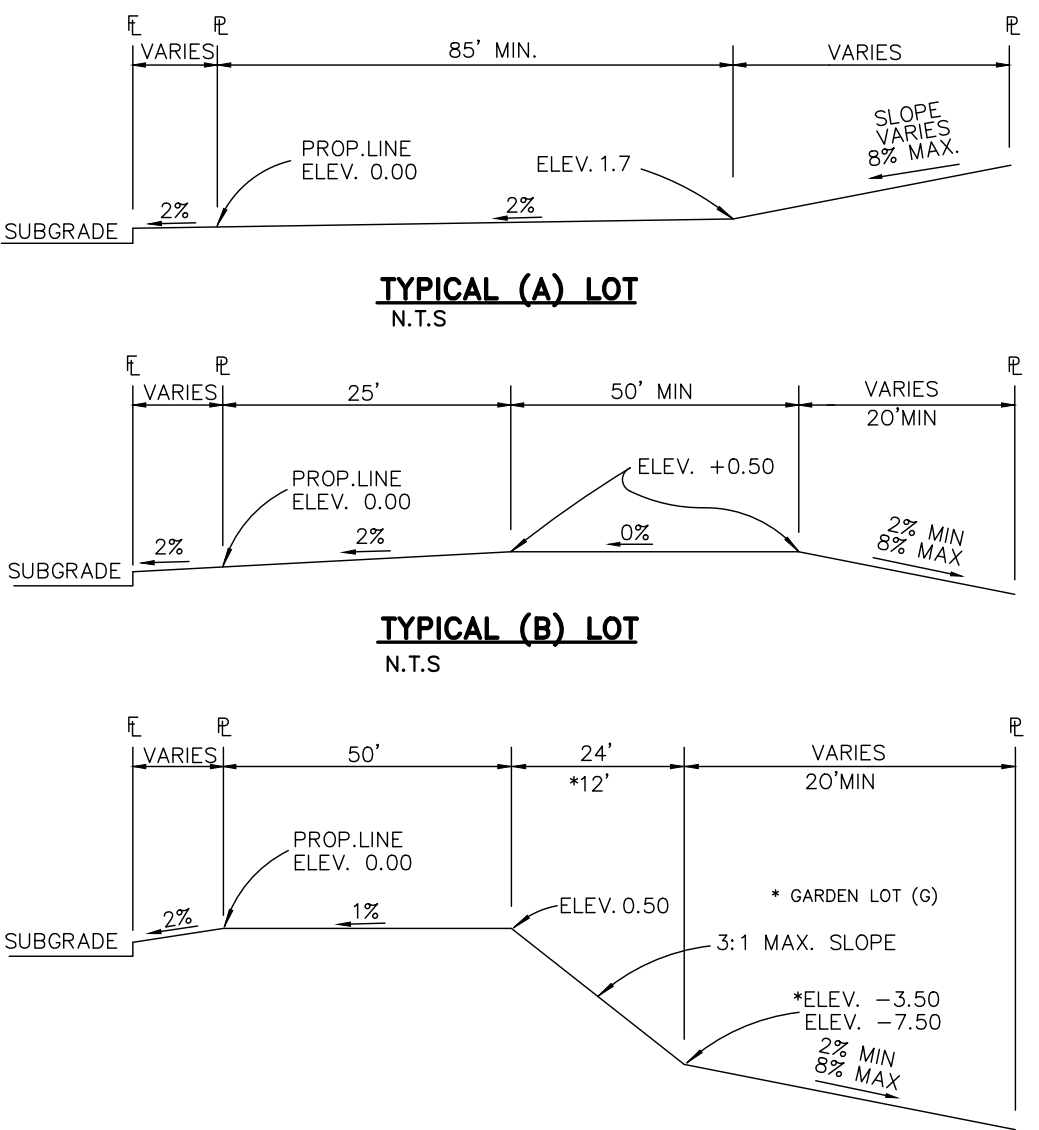
Use current standard notes for EPC GEC plans (attached).

Include details for c&g, median, ped ramps (SD 2-41, SD 2-42 & SD 2-50)

ADDED SEE SHEET 27



Typical Cross Pan Layout Detail
Standard Drawing
DATE APPROVED: 8/11/11
REVISION DATE: 12/8/15
FILE NAME: SD_2-26
DEPARTMENT OF TRANSPORTATION



TYPICAL WALKOUT LOT (W/O) OR GARDEN (G)
N.T.S.

TYPICAL TRANSITION LOT (T)
N.T.S.

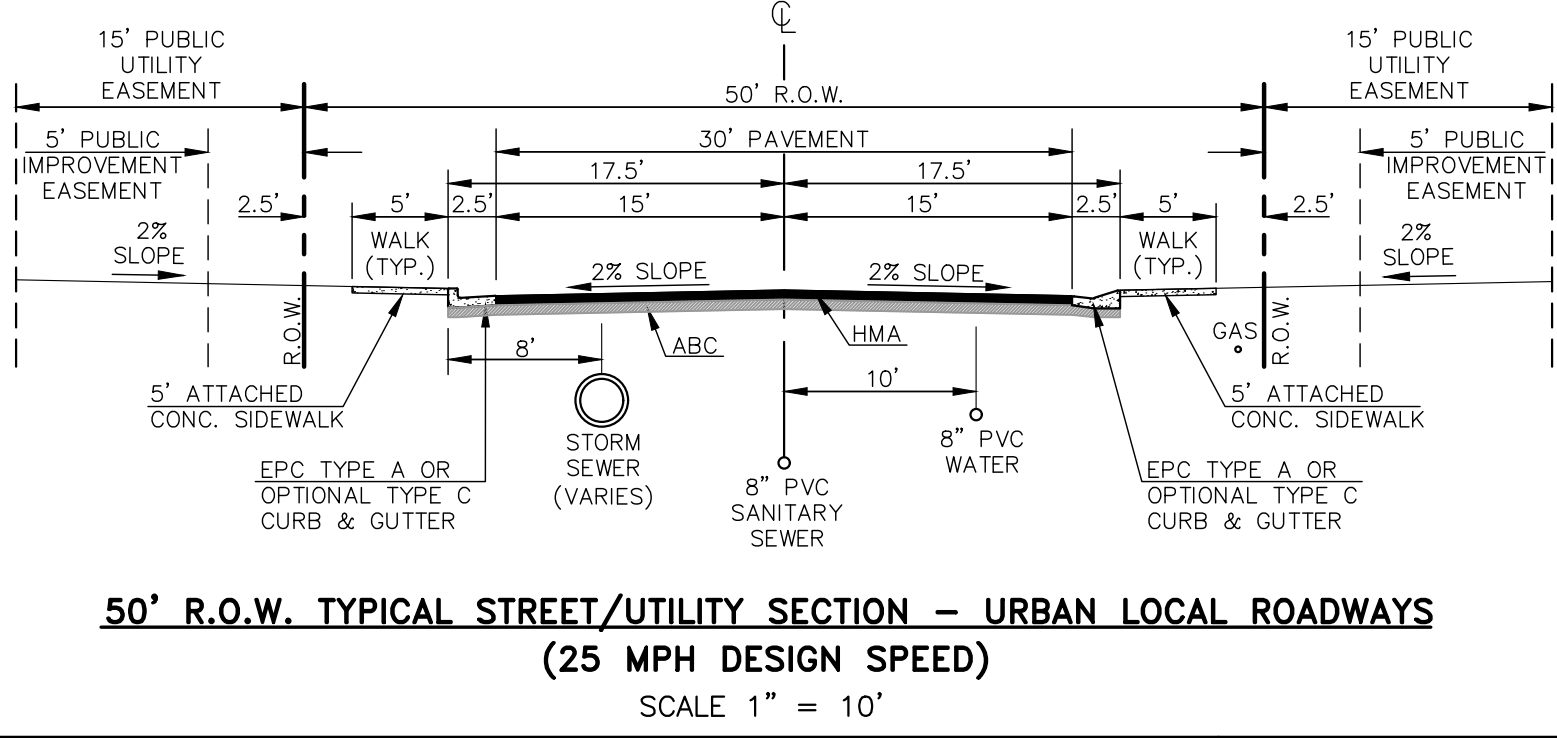
"T" LOTS OR "TRANSITION" LOTS OCCUR IN PLACES WHERE BOTH PROPERTY LINES CANNOT BE GRADED AS THE TYPICAL STANDARD LOT TEMPLATES SHOWN. THESE LOTS WILL STILL BE GRADED TO CREATE POSITIVE DRAINAGE AWAY FROM THE STRUCTURE.

SIDE LOT SWALES ARE REQUIRED ON THE DOWNHILL LOTS, EITHER BY BUILDER OR GRADING CONTRACTOR.

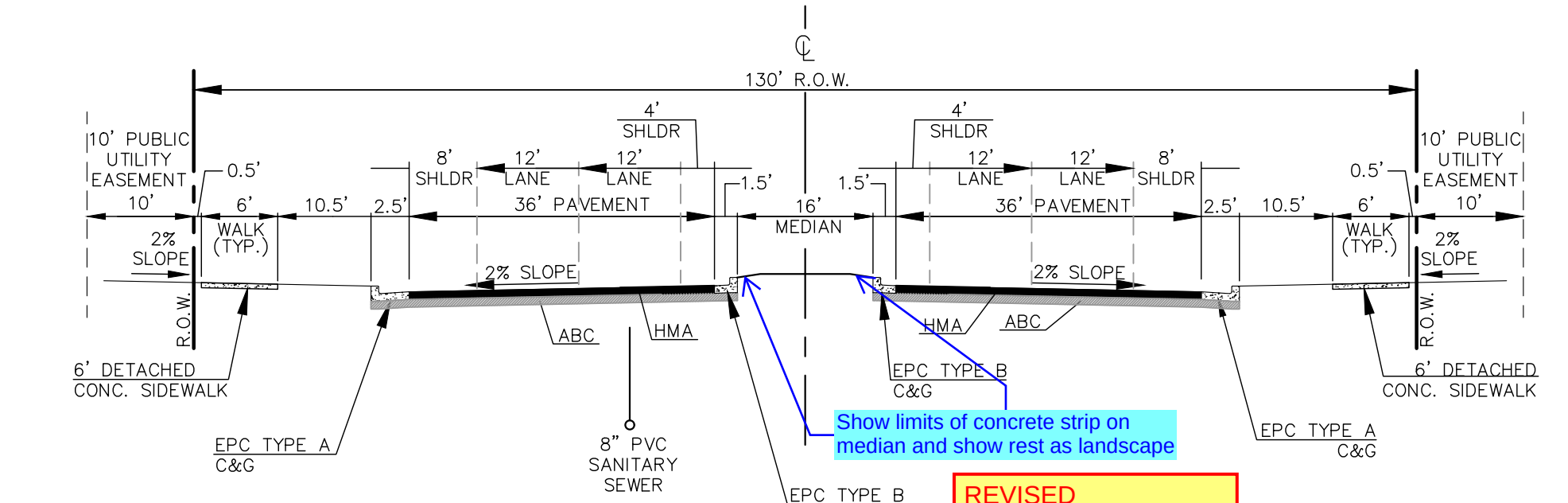
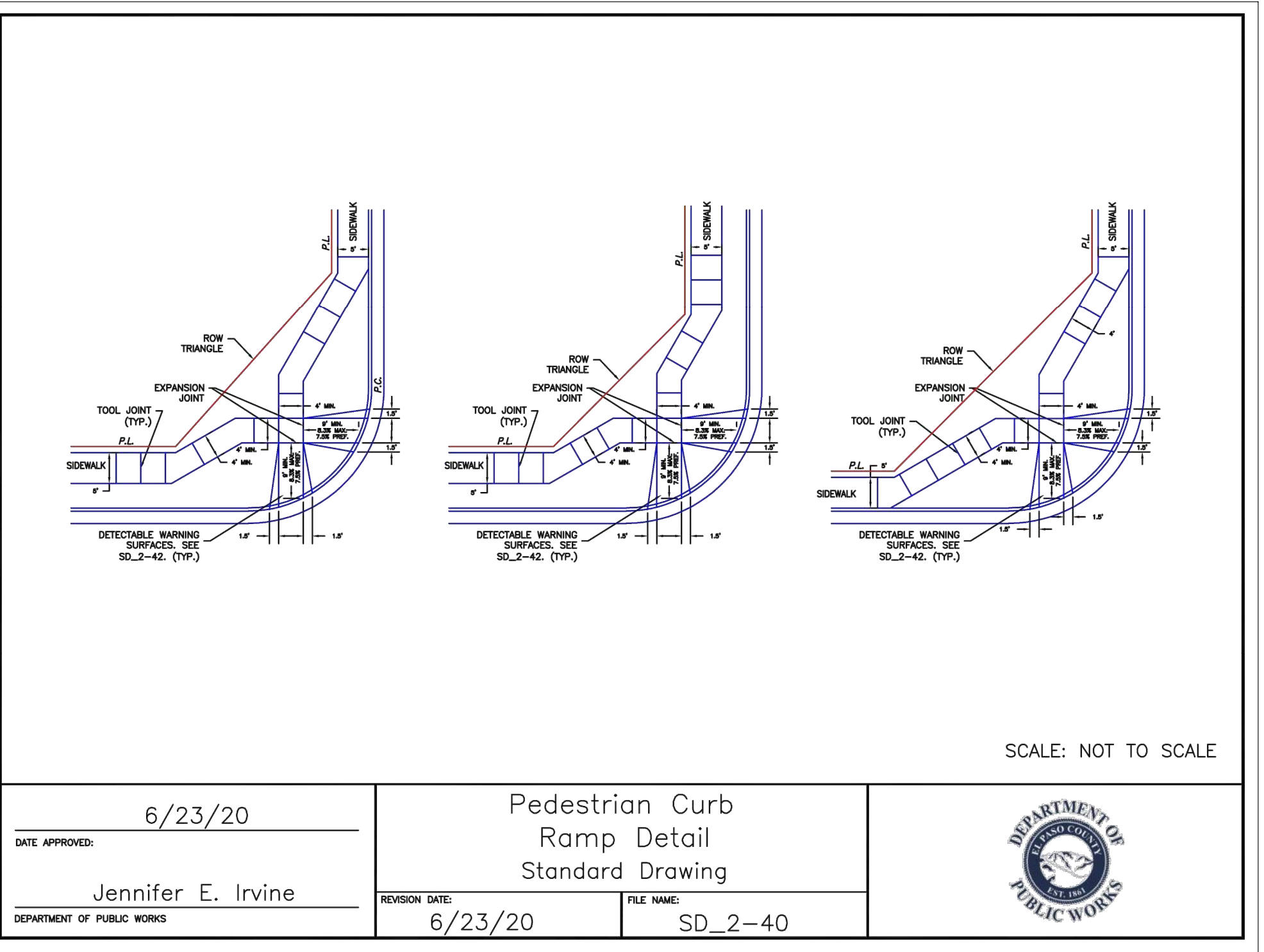
- NOTES:
- ALL TYPE C CURB & GUTTER IS THE OPTIONAL TYPE C CURB & GUTTER PER EPC STANDARDS
 - ALL PROPOSED STORM ALIGNMENT AND INLET SIZING IS PRELIMINARY. FINAL DESIGN TO BE PROVIDED WITH CD'S AND FINAL DRAINAGE REPORT

Remove this note since this is CD's and the FDR has been provided.

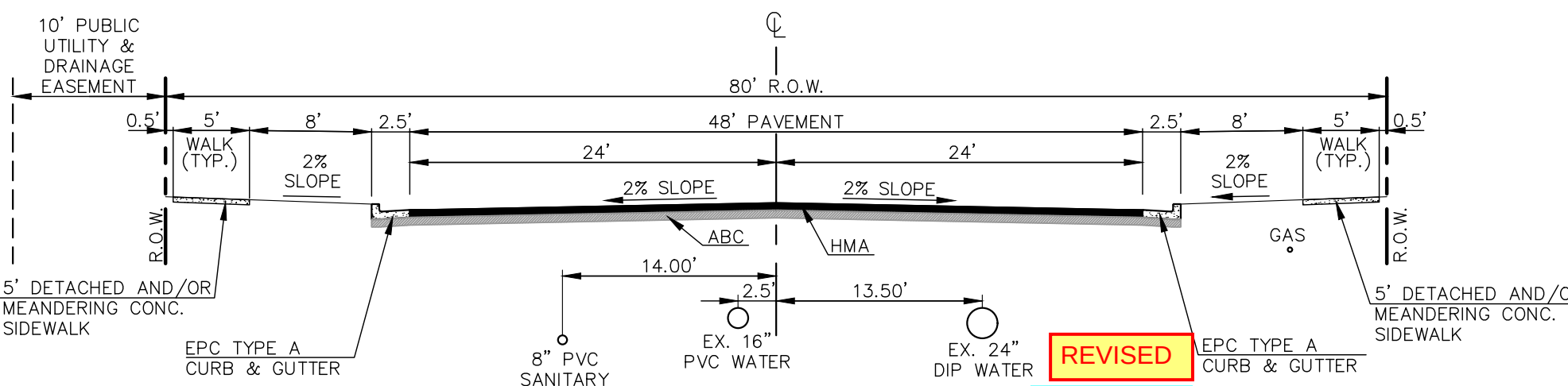
REMOVED NOTE 2



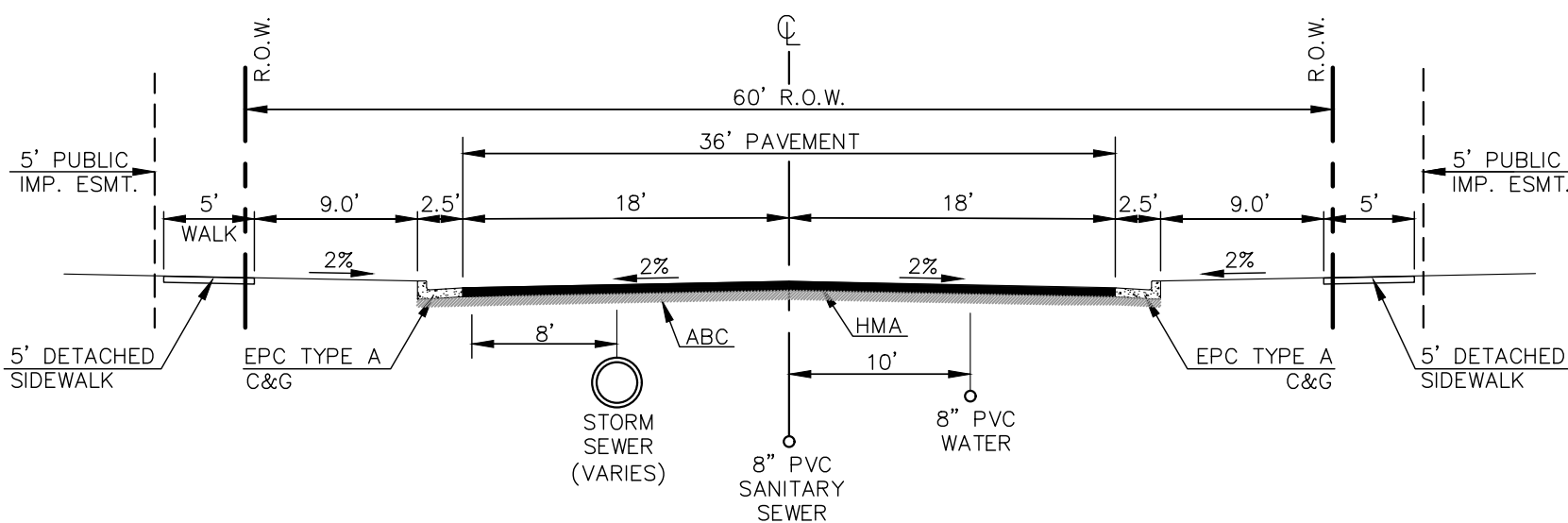
50' R.O.W. TYPICAL STREET/UTILITY SECTION - URBAN LOCAL ROADWAYS
(25 MPH DESIGN SPEED)
SCALE 1" = 10'



130' R.O.W. TYPICAL STREET/UTILITY SECTION (BRIARGATE PARKWAY)
URBAN PRINCIPAL 4-LANE ARTERIAL ROADWAY
DESIGN SPEED: 50 MPH
N.T.S.



80' R.O.W. TYPICAL STREET/UTILITY SECTION - URBAN MINOR COLLECTOR
(40 MPH DESIGN SPEED) STERLING RANCH ROAD
SCALE 1" = 10'



60' R.O.W. TYPICAL STREET/UTILITY SECTION (APPLETON DR.)
URBAN RESIDENTIAL COLLECTOR ROADWAY
(40 MPH DESIGN SPEED)
SCALE: 1" = 10'

NO.	REVISION	DATE

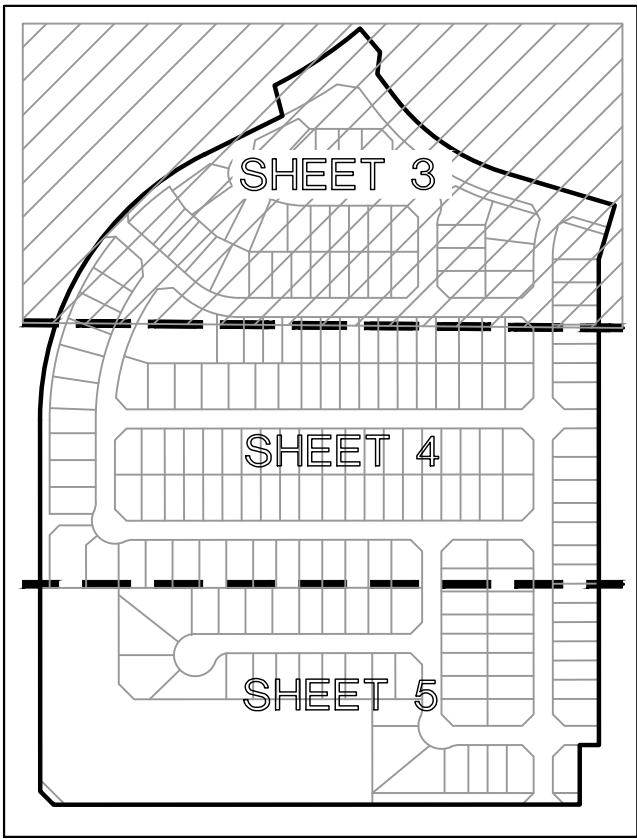
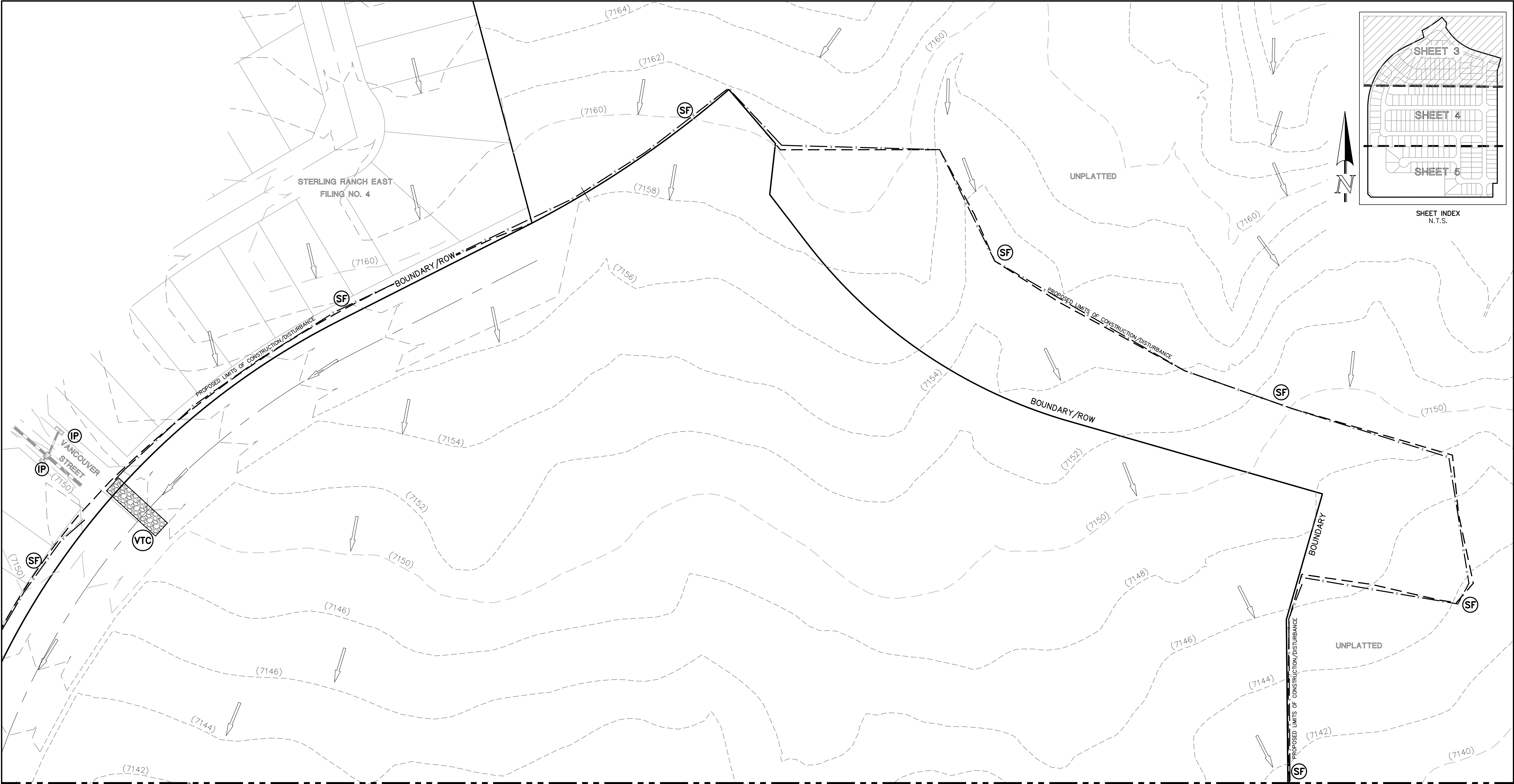
REVIEW:

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

MARC A. WHORTON, COLORADO P.E. #37155 DATE



STERLING RANCH EAST FILING NO. 6 CONSTRUCTION PLANS STREET SECTIONS / EROSION CONTROL NOTES			
DESIGNED BY	MAW	SCALE	DATE
DRAWN BY	ESO	(H) 1" = N/A	SHEET 2 OF 49
CHECKED BY		(V) 1" = N/A	JOB NO. 1183.25



LEGEND

LIMITS OF CONST./DISTURBANCE

EXISTING CONTOUR-10

EXISTING CONTOUR-2

EXIST. DIRECTION OF FLOW

BOUNDARY

EROSION CONTROL LEGEND

SILT FENCE

VEHICLE TRACKING CONTROL

INLET PROTECTION

NOTES:

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

NOTES:

PORTIONS OF THIS SITE HAVE BEEN PREVIOUSLY DISTURBED WITH GRADING OPERATIONS AND VEGETATION IS SPARSE AND OF NATURAL GRASSLAND CONSISTENCY (NO TREES OR SHRUBS).

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

48 HOURS BEFORE YOU DIG,
CALL UTILITY LOCATORS
811
UTILITY NOTIFICATION CENTER OF COLORADO
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

MARC A. WHORTON, COLORADO P.E. #37155 DATE

CLASSIC CONSULTING

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

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

STERLING RANCH EAST FILING NO. 6
CONSTRUCTION PLANS
GRADING AND EROSION CONTROL PLAN

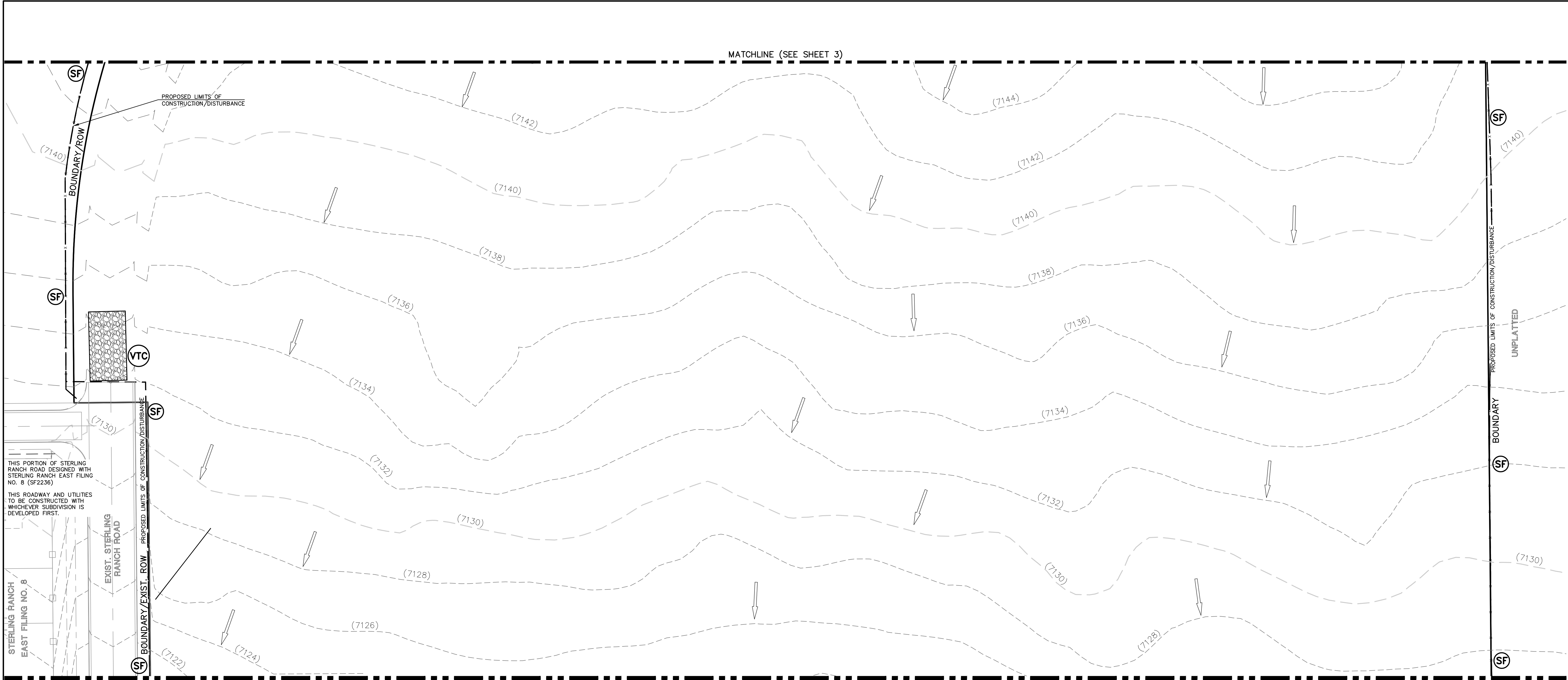
DESIGNED BY	PRA	SCALE	DATE	5-1-2025
DRAWN BY	ESO	(H) 1"= 50'	SHEET	3 OF 49
CHECKED BY		(V) 1"= N/A	JOB NO.	1183.60

SCALE: 1" = 50'

50 25 0 50 100

ADDED PROJ. NO.
PCD No. SP-244





LEGEND

LIMITS OF CONST./DISTURBANCE

EXISTING CONTOUR-10

EXISTING CONTOUR-2

EXIST. DIRECTION OF FLOW

BOUNDARY

EROSION CONTROL LEGEND

(SF) SILT FENCE

(VTC) VEHICLE TRACKING CONTROL

NOTES:

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

NOTES:

PORTIONS OF THIS SITE HAVE BEEN PREVIOUSLY DISTURBED WITH GRADING OPERATIONS AND VEGETATION IS SPARSE AND OF NATURAL GRASSLAND CONSISTENCY (NO TREES OR SHRUBS).

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

48 HOURS BEFORE YOU DIG,
CALL UTILITY LOCATORS

811

UTILITY NOTIFICATION CENTER OF COLORADO
IT'S THE LAW

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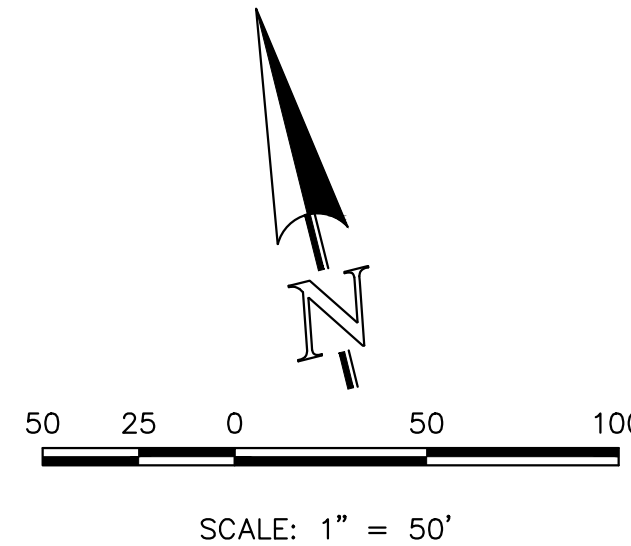
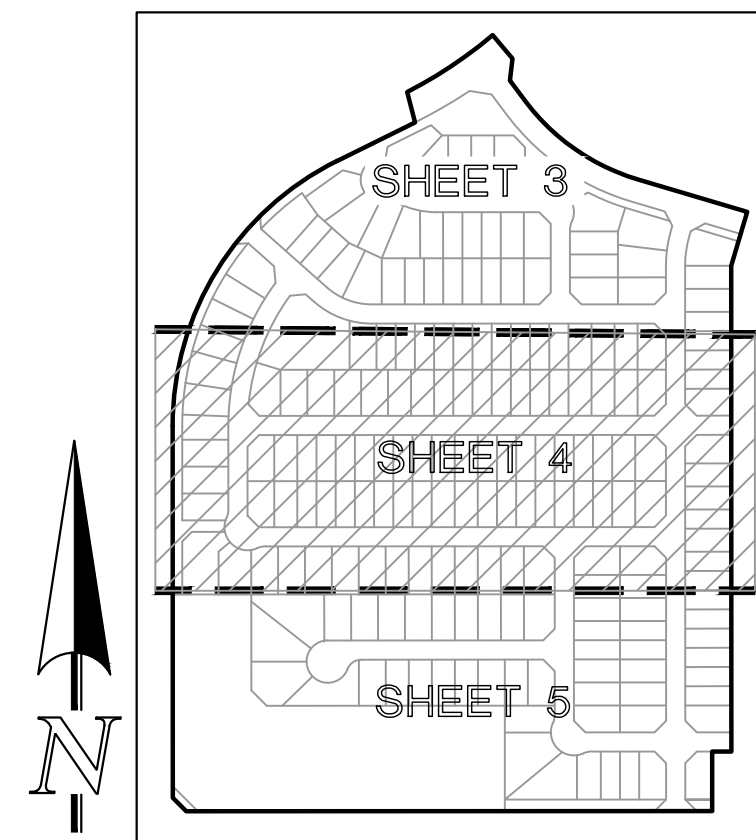
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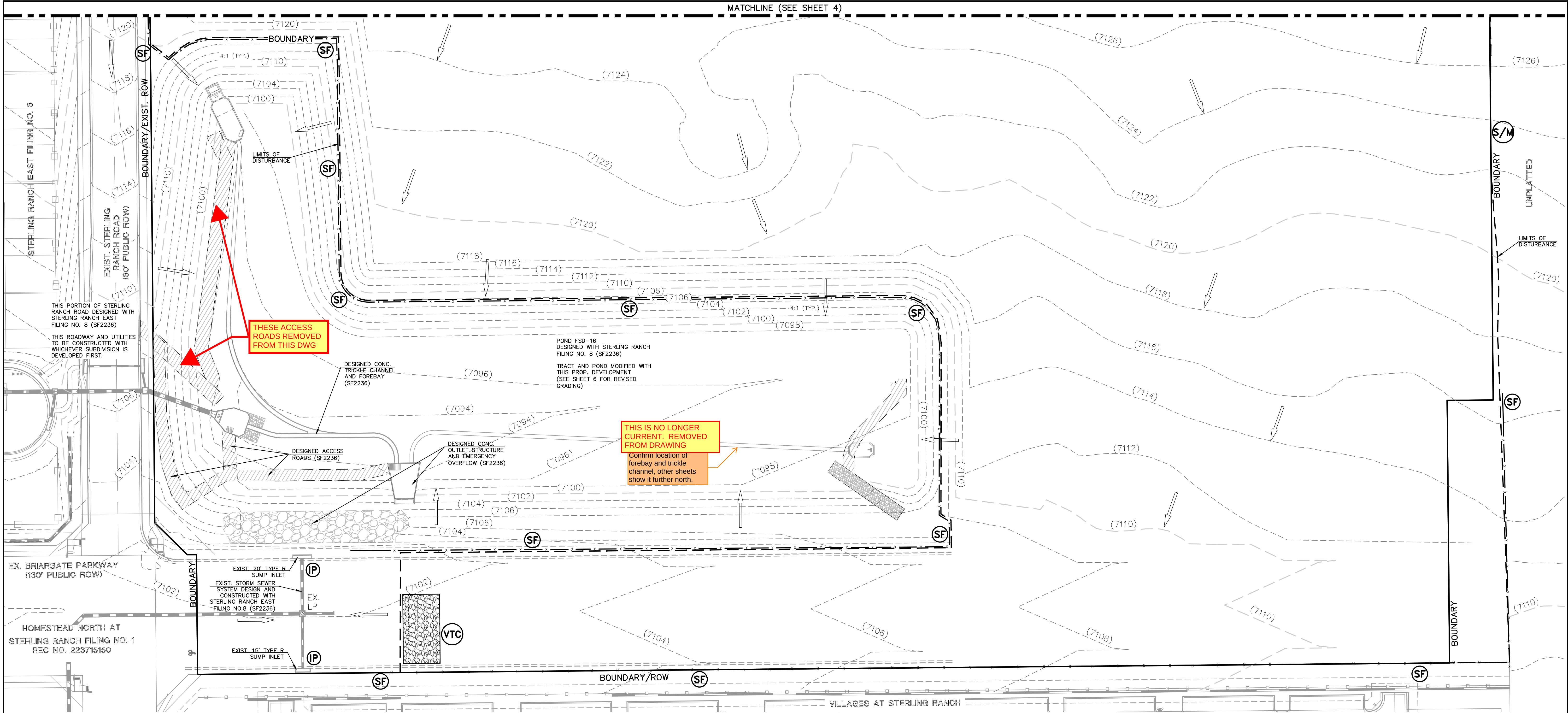
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CHECKED BY		(V) 1"= N/A	JOB NO.	1183.60

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PCD No. SF-244

SHEET INDEX
N.T.S.





LEGEND

- LIMITS OF CONST./DISTURBANCE
- EXISTING CONTOUR-10
- EXISTING CONTOUR-2
- EXIST. DIRECTION OF FLOW
- BOUNDARY

EROSION CONTROL LEGEND

- SF SILT FENCE
- VTC VEHICLE TRACKING CONTROL

NOTES:

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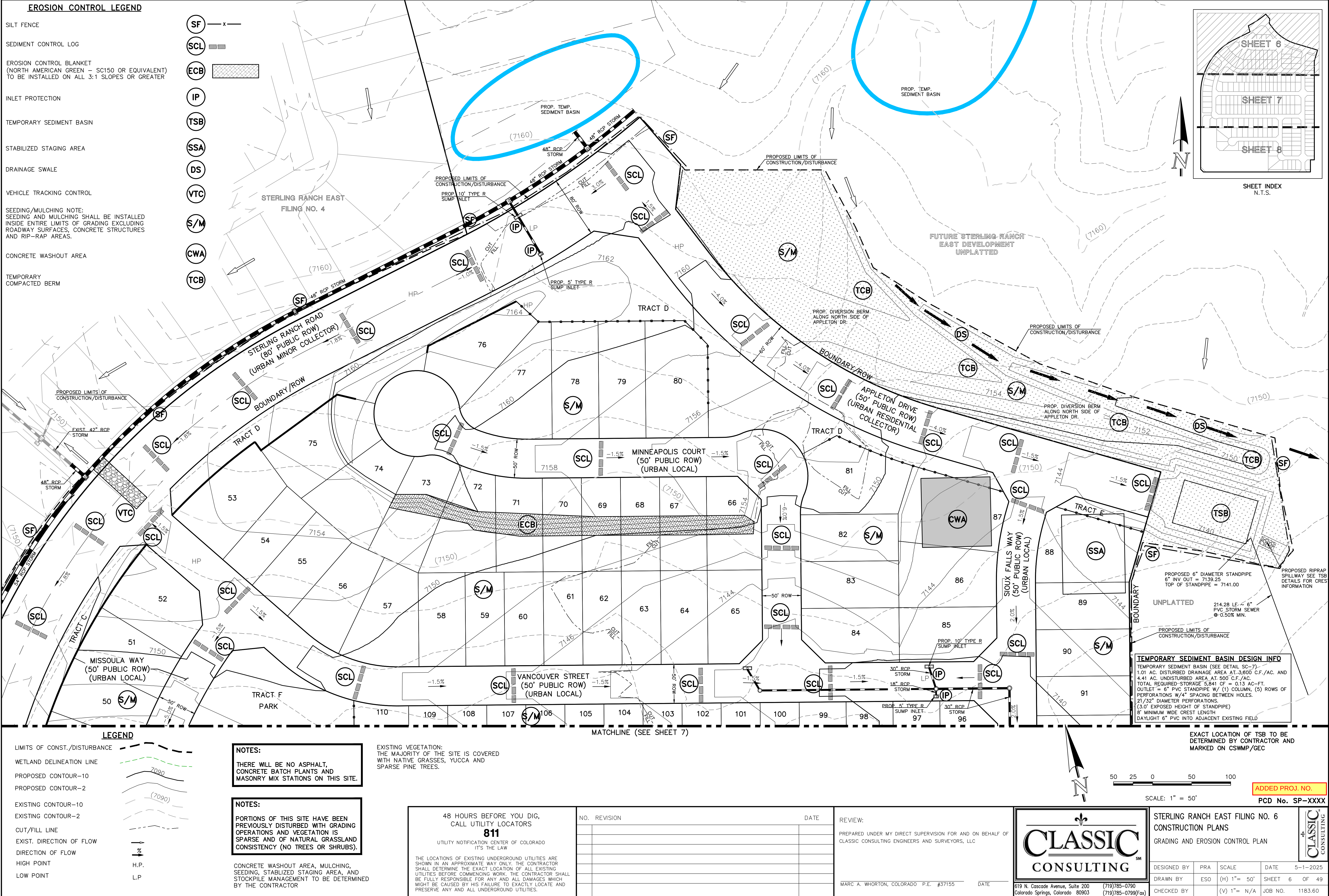
(719) 785-0790
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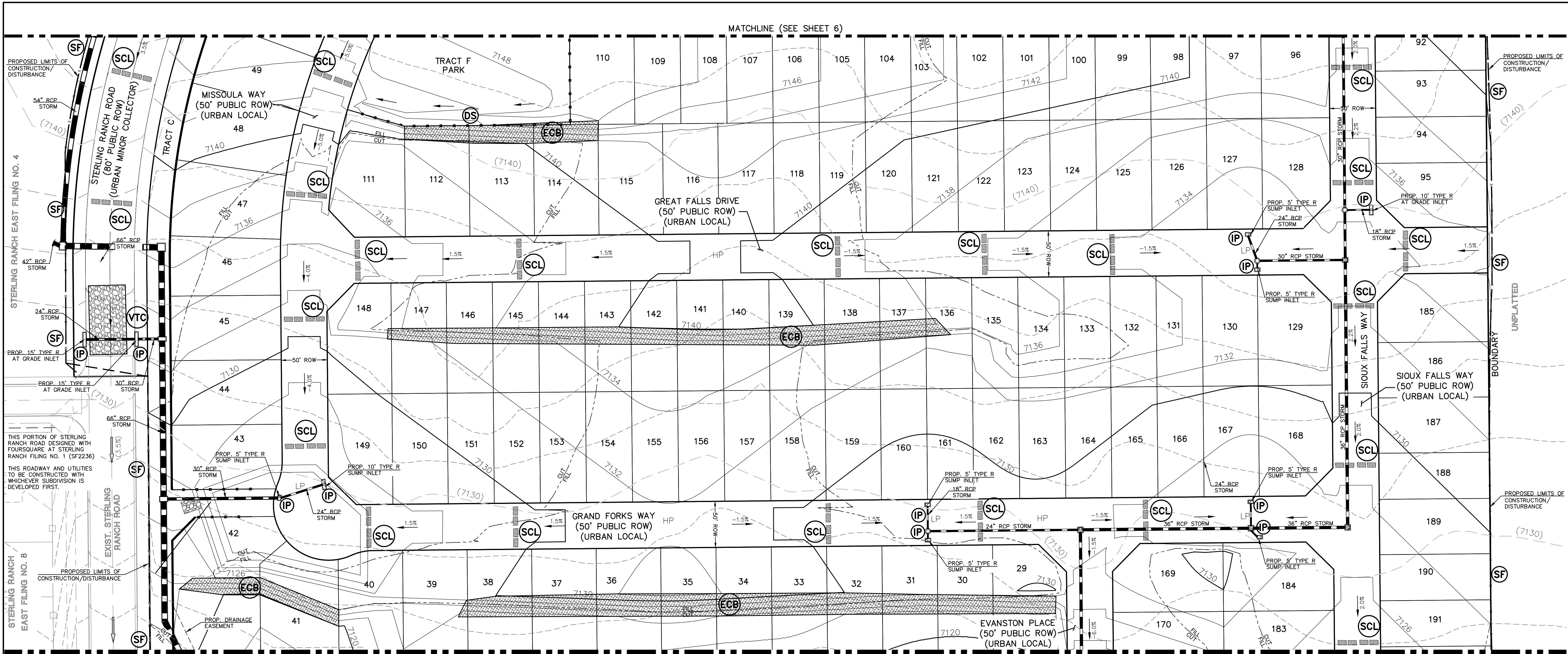
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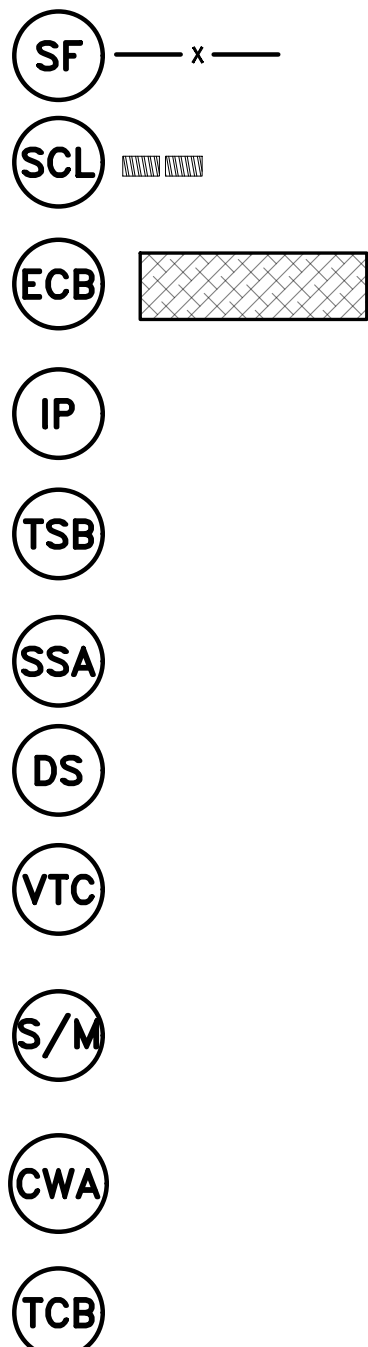
CLASSIC
CONSULTING





EROSION CONTROL LEGEND

- SILT FENCE
- SEDIMENT CONTROL LOG
- EROSION CONTROL BLANKET
(NORTH AMERICAN GREEN - SC150 OR EQUIVALENT)
TO BE INSTALLED ON ALL 3:1 SLOPES OR GREATER
- INLET PROTECTION
- TEMPORARY SEDIMENT BASIN
- STABILIZED STAGING AREA
- DRAINAGE SWALE
- VEHICLE TRACKING CONTROL
- SEEDING/MULCHING NOTE:
SEEDING AND MULCHING SHALL BE INSTALLED
INSIDE ENTIRE LIMITS OF GRADING EXCLUDING
ROADWAY SURFACES, CONCRETE STRUCTURES
AND RIP-RAP AREAS.
- CONCRETE WASHOUT AREA
- TEMPORARY
COMPACTED BERM



LEGEND

- LIMITS OF CONST./DISTURBANCE
- WETLAND DELINEATION LINE
- PROPOSED CONTOUR-10
- PROPOSED CONTOUR-2
- EXISTING CONTOUR-10
- EXISTING CONTOUR-2
- CUT/FILL LINE
- EXIST. DIRECTION OF FLOW
- DIRECTION OF FLOW
- HIGH POINT
- LOW POINT

NOTES:

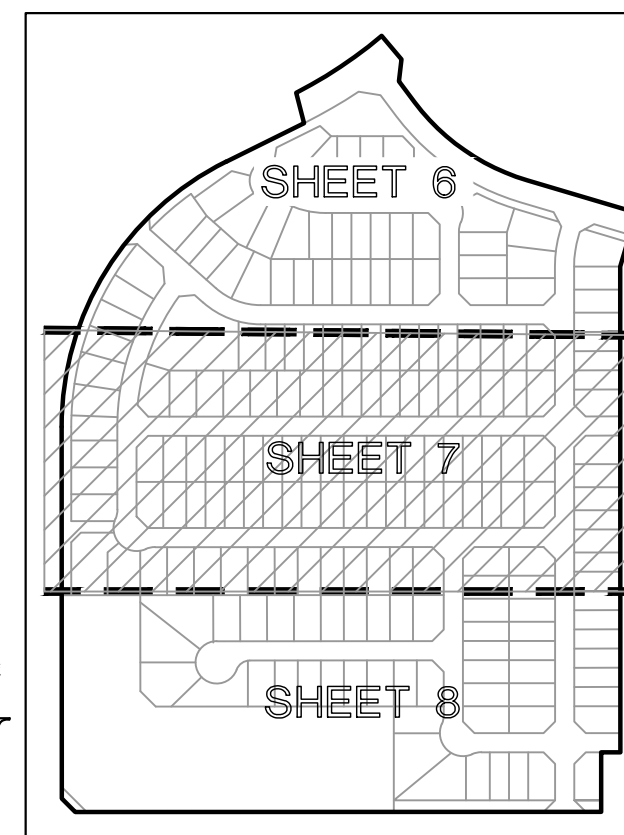
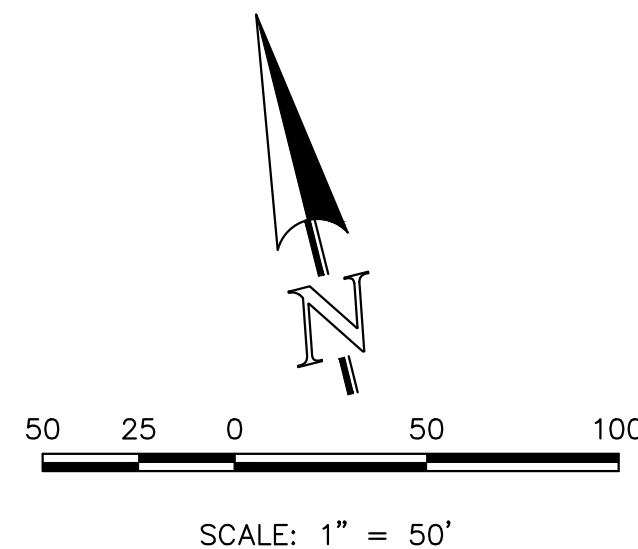
THERE WILL BE NO ASPHALT,
CONCRETE BATCH PLANTS AND
MASONRY MIX STATIONS ON THIS SITE.

NOTES:

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CONCRETE WASHOUT AREA, MULCHING,
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EXISTING VEGETATION:
THE MAJORITY OF THE SITE IS COVERED
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SPARSE PINE TREES.



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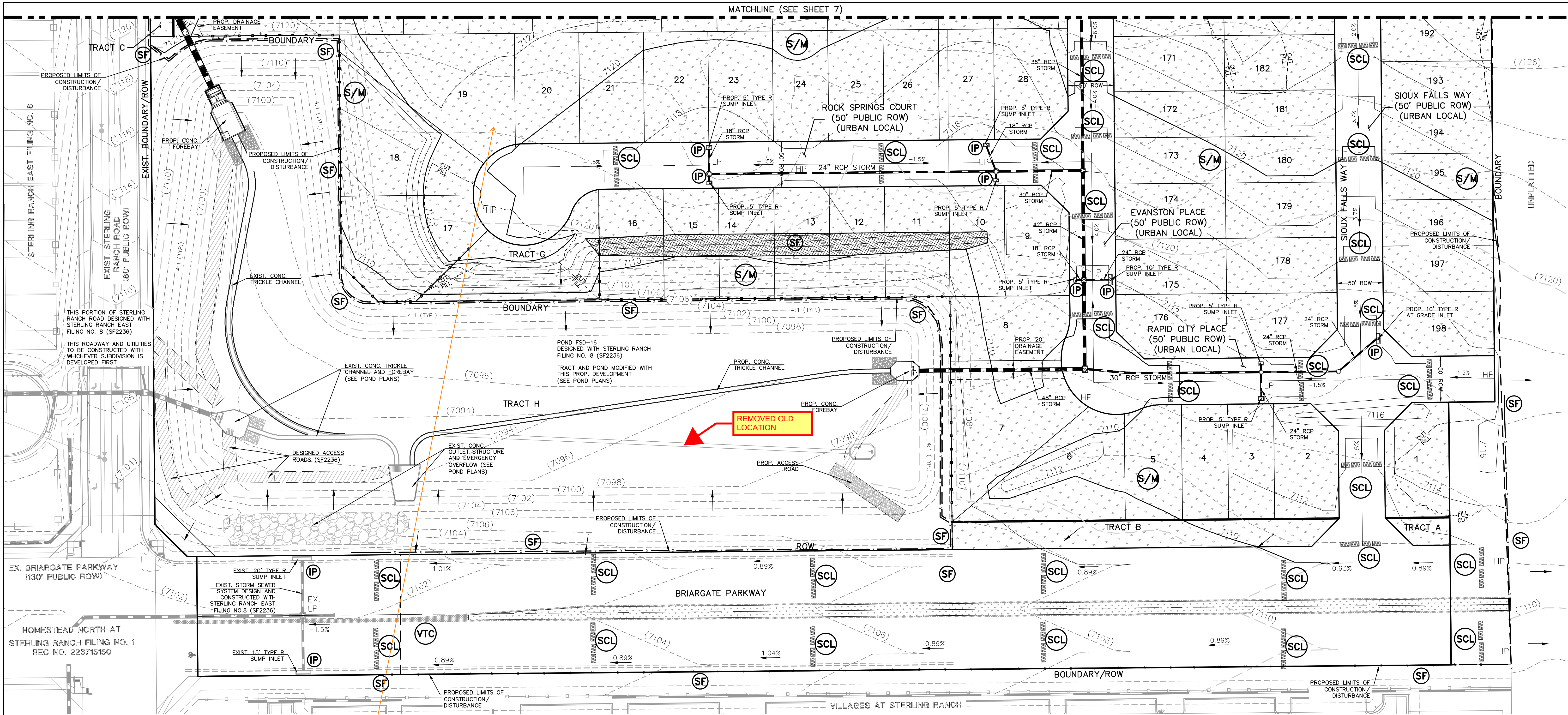
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Colorado Springs, Colorado 80903 (719) 785-0799 (Fax)

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GRADING AND EROSION CONTROL PLAN

DESIGNED BY	MAW	SCALE	DATE	5-1-2025
DRAWN BY	ESO	(H) 1"= 50'	SHEET 7	OF 40
CHECKED BY		(V) 1"= N/A	JOB NO.	1183.60

CLASSIC
CONSULTING



EROSION CONTROL LEGEND

- SILT FENCE (SF)
- SEDIMENT CONTROL LOG (SCL)
- EROSION CONTROL BLANKET (NORTH AMERICAN GREEN - SC150 OR EQUIVALENT) TO BE INSTALLED ON ALL 3:1 SLOPES OR GREATER (ECB)
- INLET PROTECTION (IP)
- TEMPORARY SEDIMENT BASIN (TSB)
- STABILIZED STAGING AREA (SSA)
- DRAINAGE SWALE (DS)
- VEHICLE TRACKING CONTROL (VTC)
- SEEDING/MULCHING NOTE: SEEDING AND MULCHING SHALL BE INSTALLED INSIDE ENTIRE LIMITS OF GRADING EXCLUDING ROADWAY SURFACES, CONCRETE STRUCTURES AND RIP-RAP AREAS.
- CONCRETE WASHOUT AREA (CWA)
- TEMPORARY COMPACTED BERM (TCB)

LEGEND

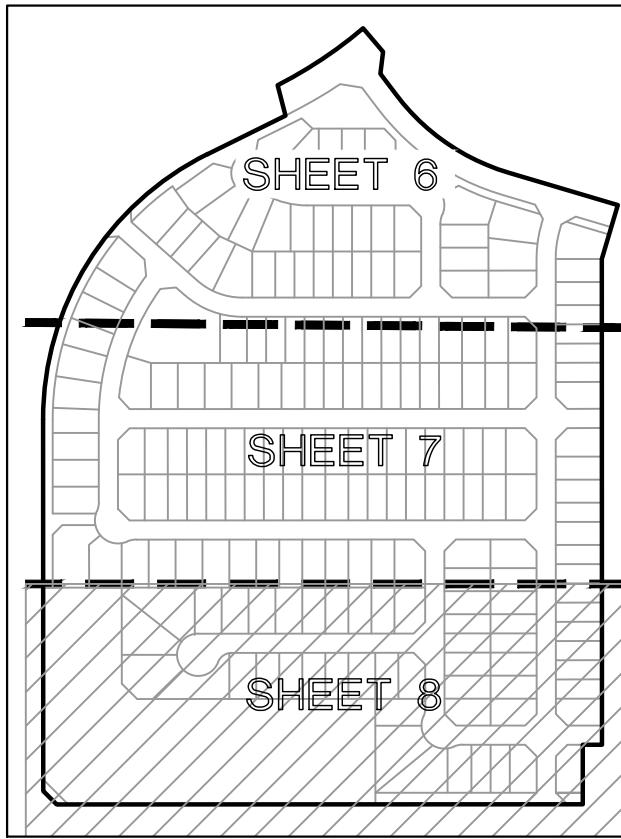
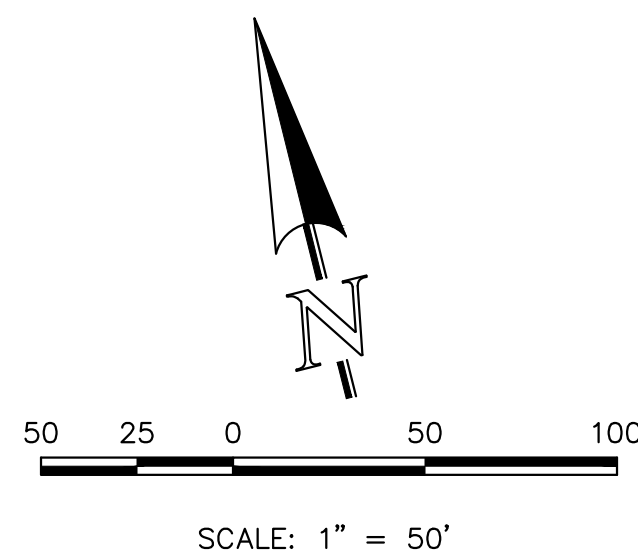
- LIMITS OF CONST./DISTURBANCE
- WETLAND DELINEATION LINE
- PROPOSED CONTOUR-10
- PROPOSED CONTOUR-2
- EXISTING CONTOUR-10
- EXISTING CONTOUR-2
- CUT/FILL LINE
- EXIST. DIRECTION OF FLOW
- DIRECTION OF FLOW
- HIGH POINT (H.P.)
- LOW POINT (L.P.)

NOTES:
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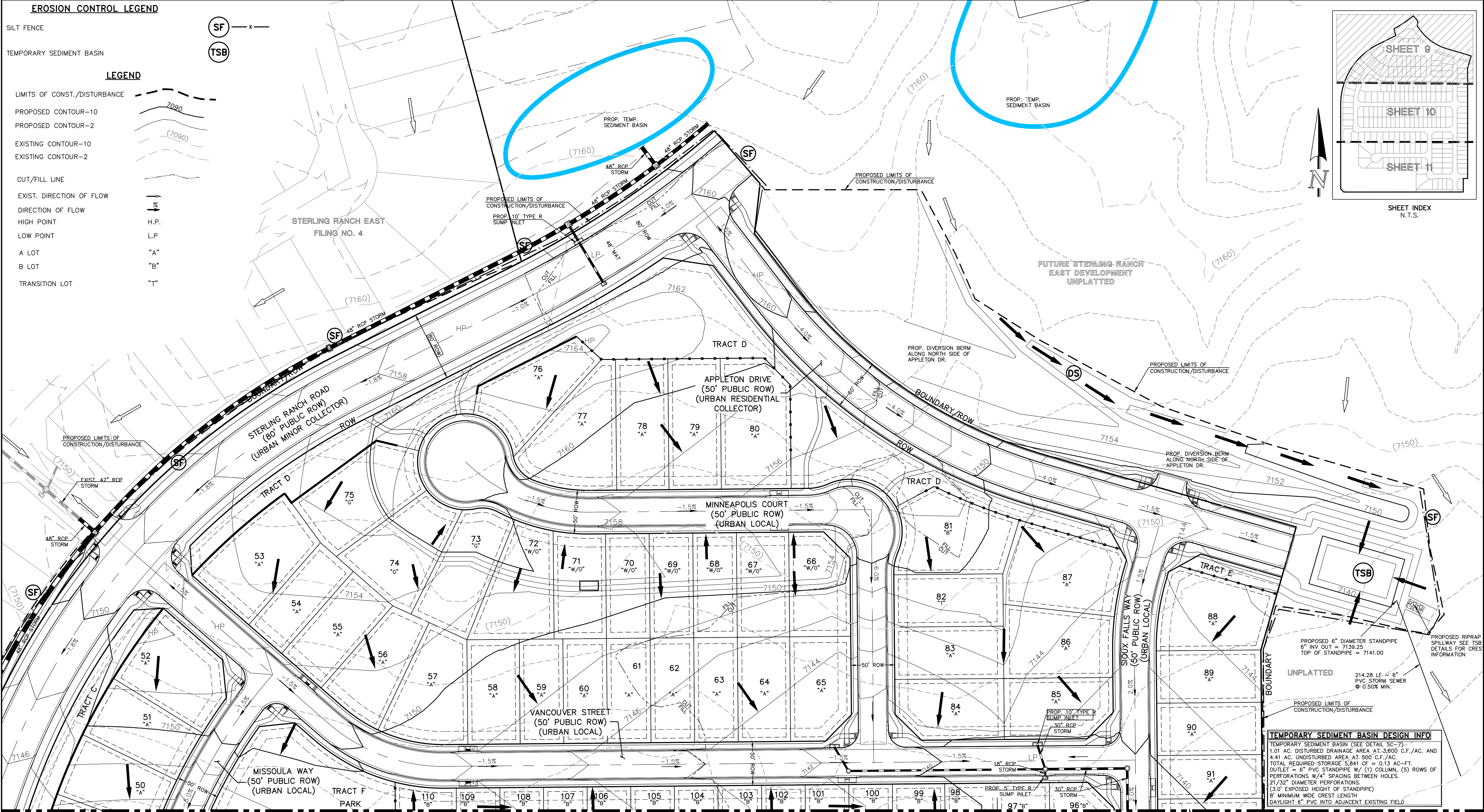
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SHEET INDEX
N.T.S.

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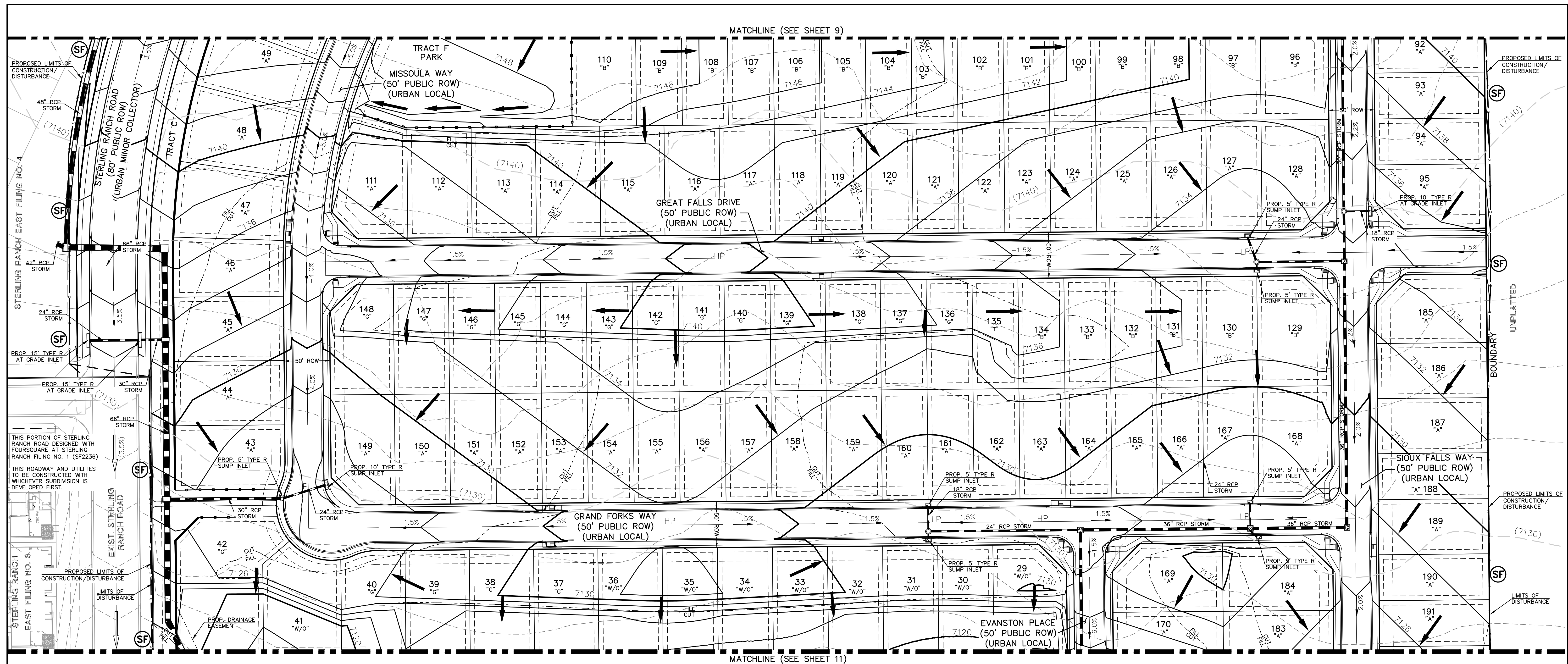
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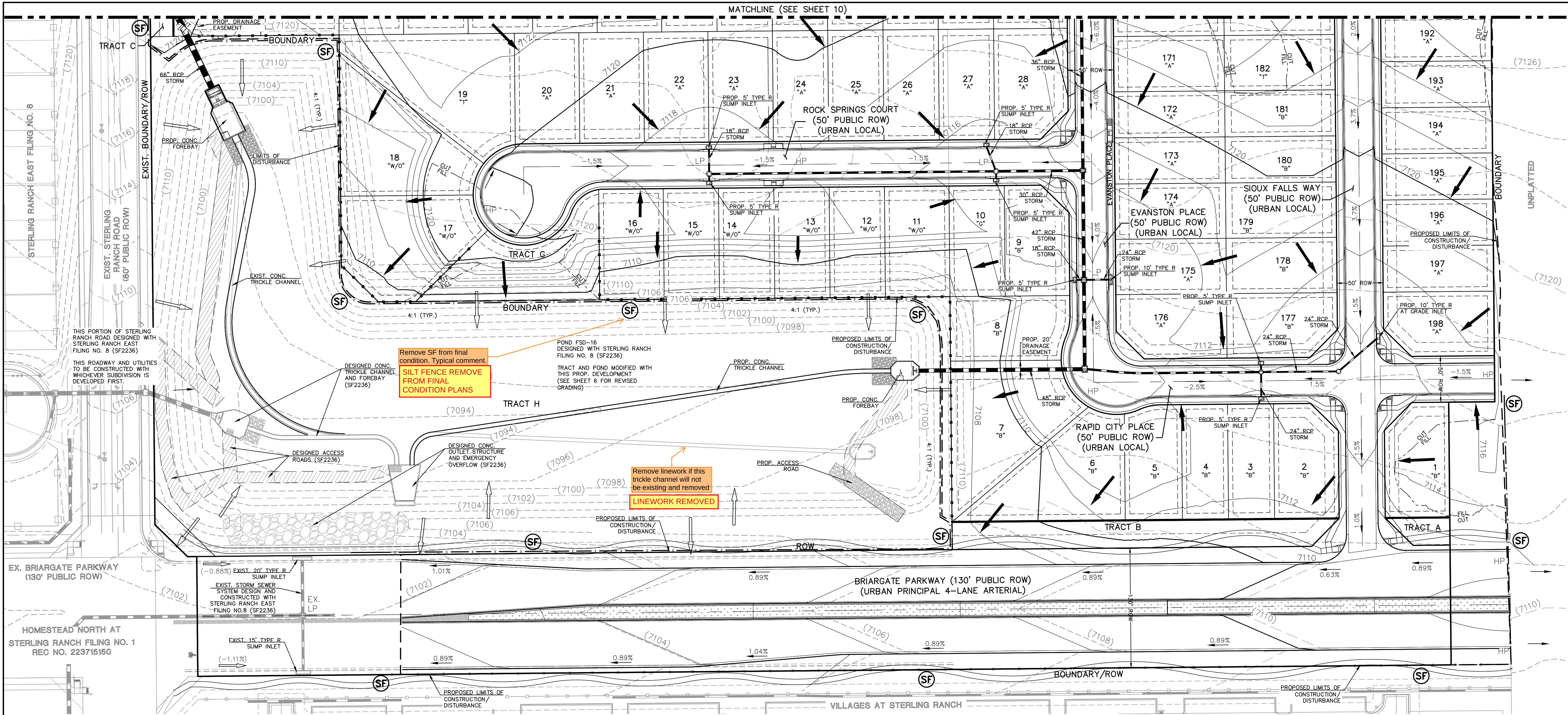
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CLASSIC CONSULTING

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DESIGNED BY	MAW	SCALE	DATE	5-1-2025
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EROSION CONTROL LEGEND

SILT FENCE (SF) x

LEGEND

LIMITS OF CONST./DISTURBANCE

PROPOSED CONTOUR-10

PROPOSED CONTOUR-2

EXISTING CONTOUR-10

EXISTING CONTOUR-2

CUT/FILL LINE

EXIST. DIRECTION OF FLOW

DIRECTION OF FLOW

HIGH POINT

LOW POINT

A LOT

B LOT

TRANSITION LOT

NOTES:

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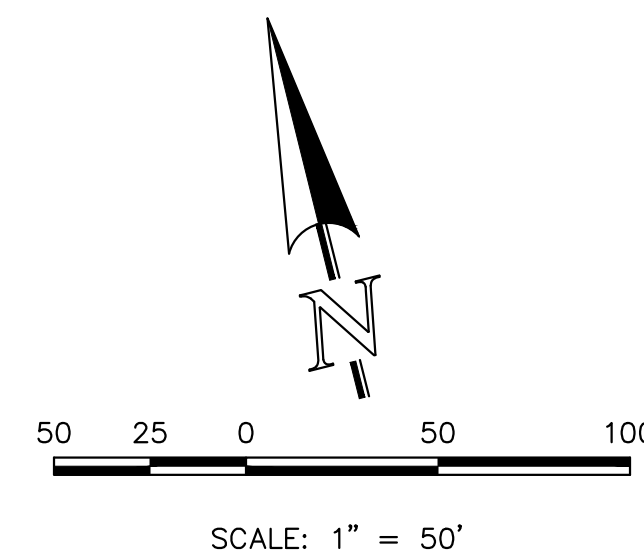
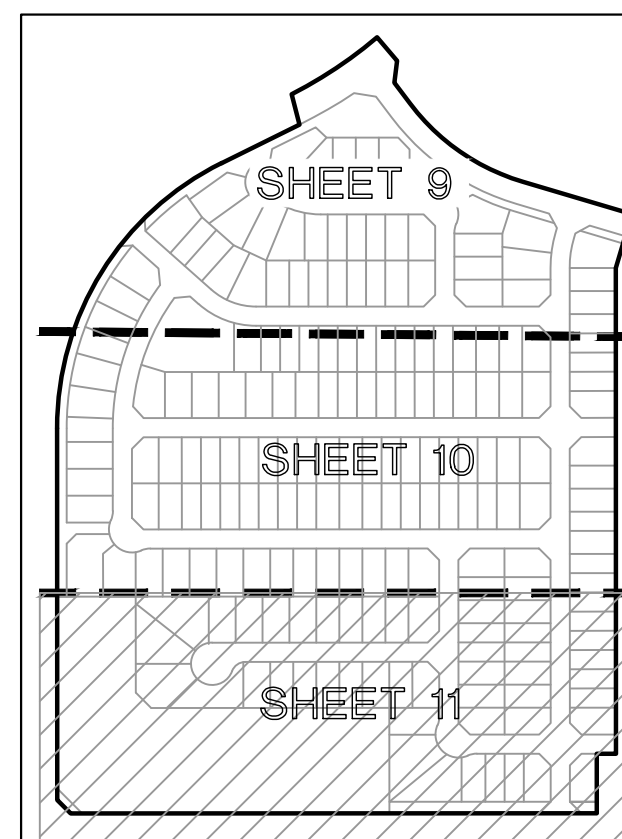
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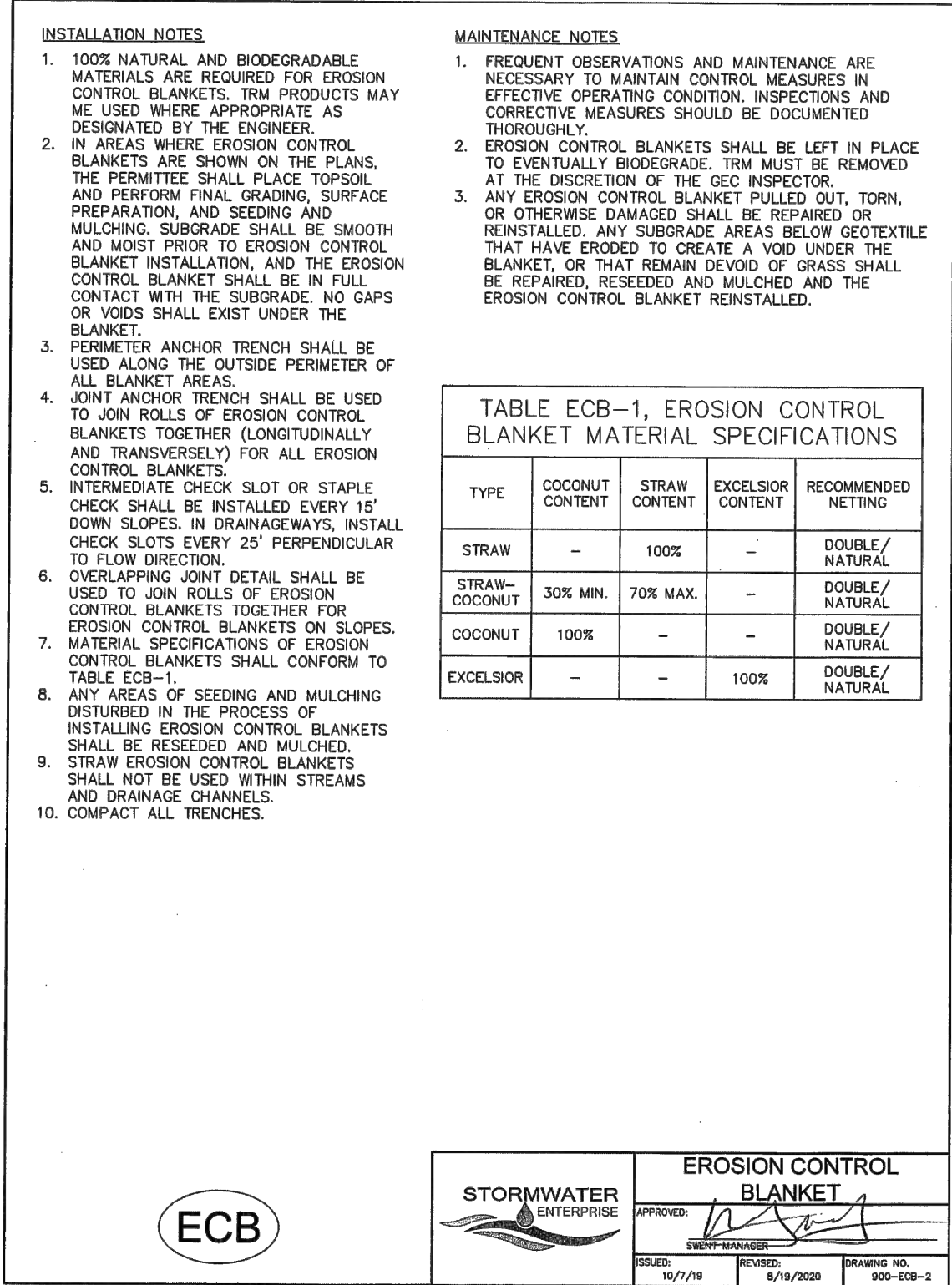
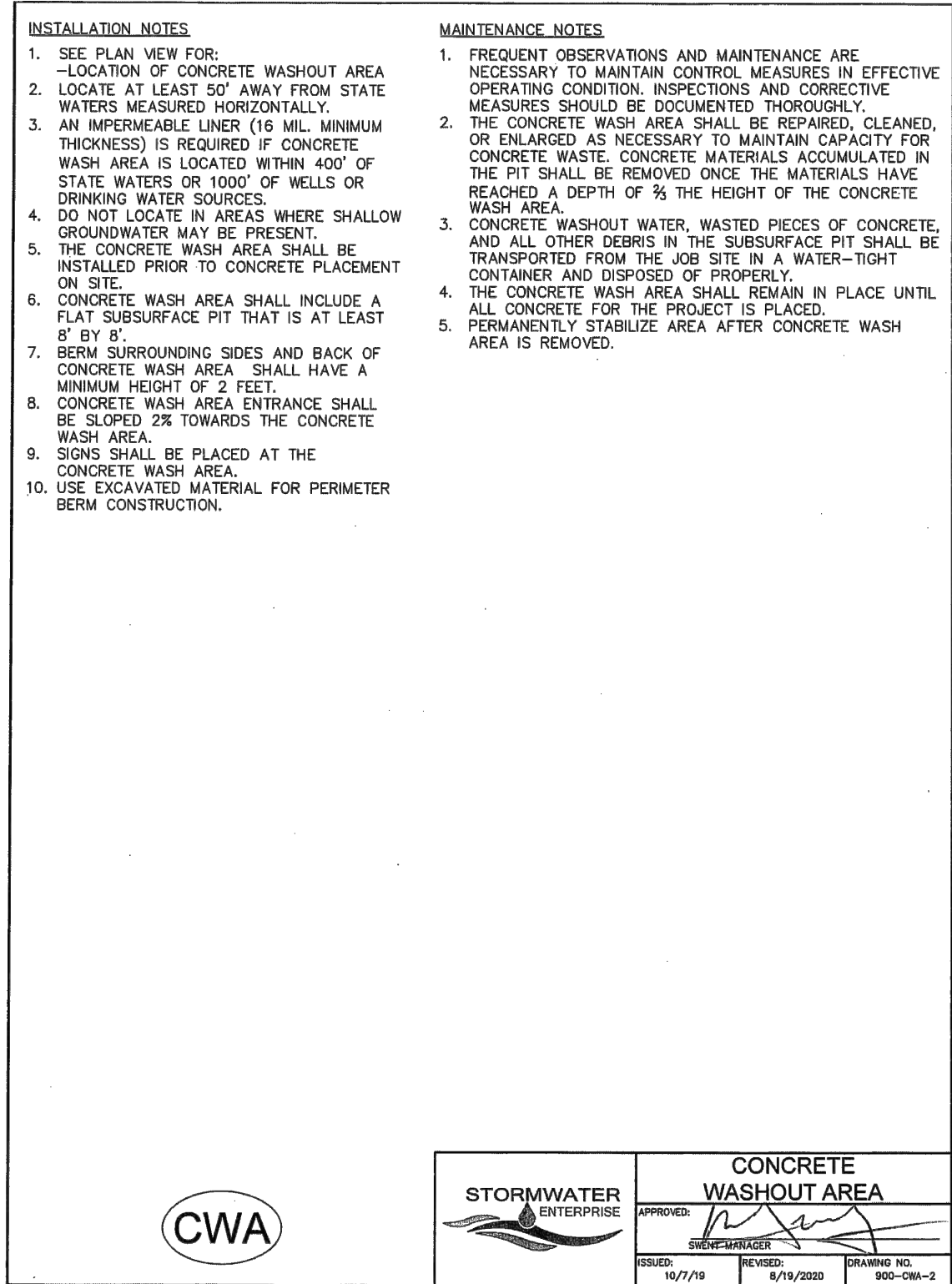
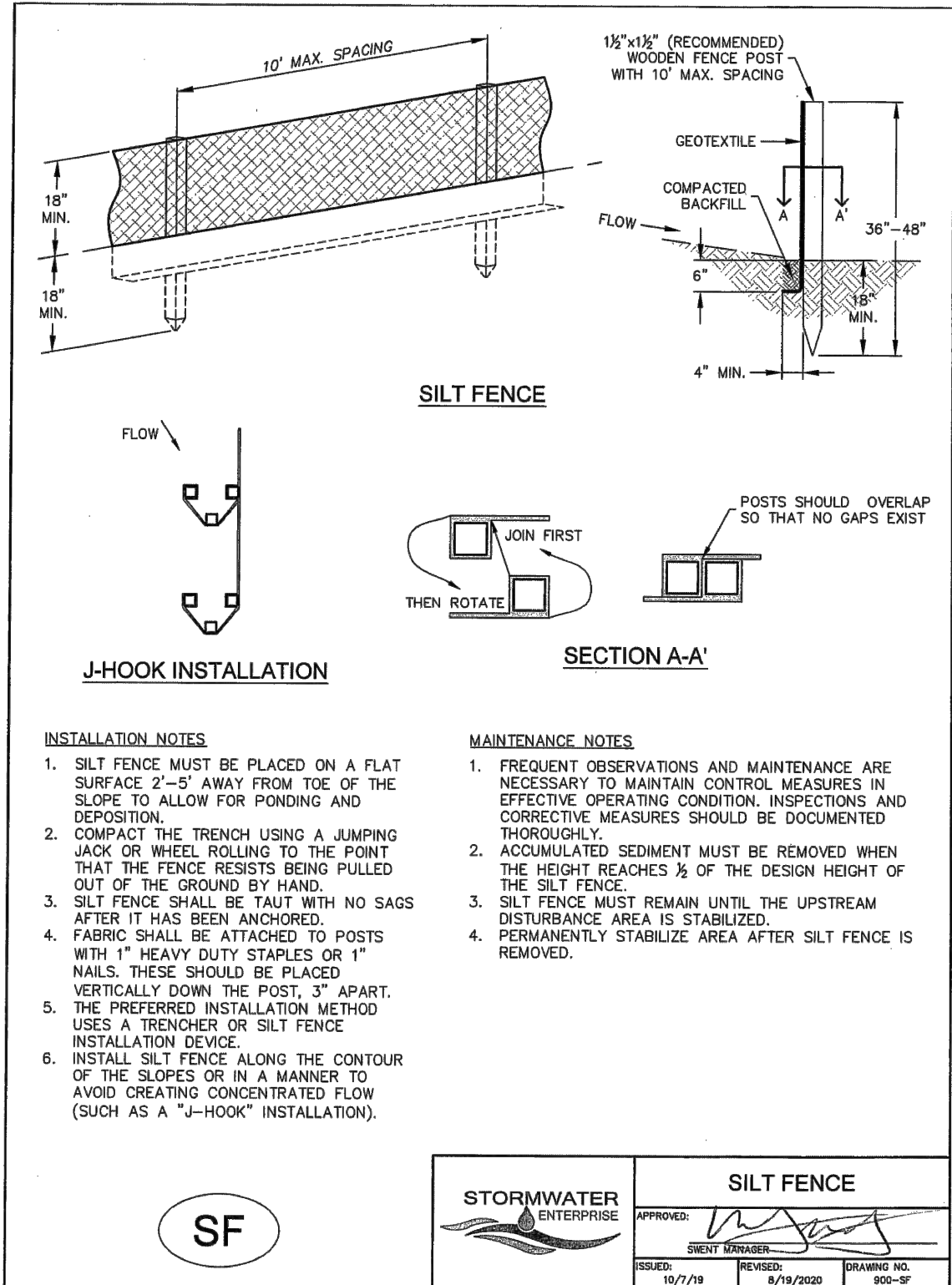
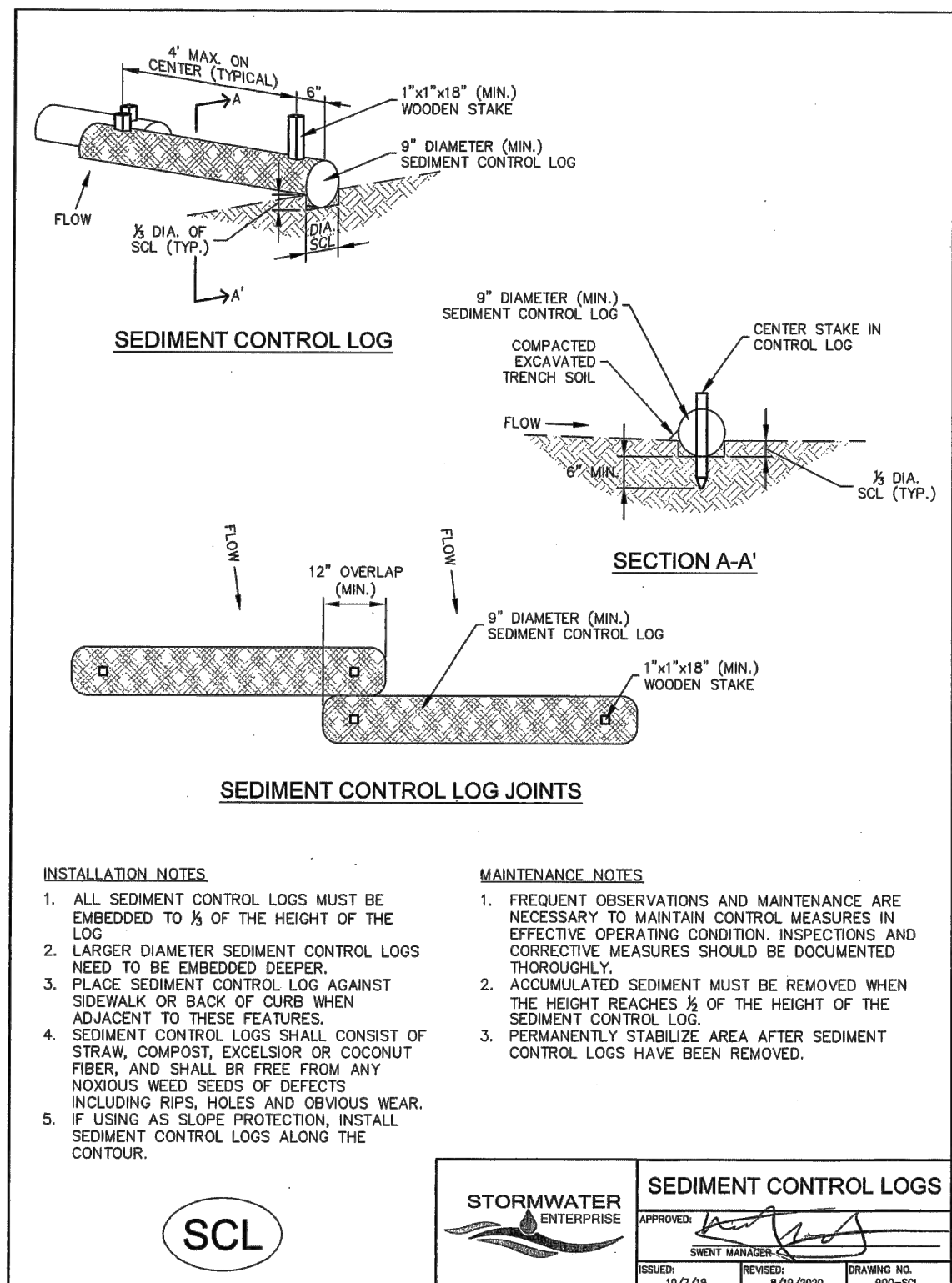
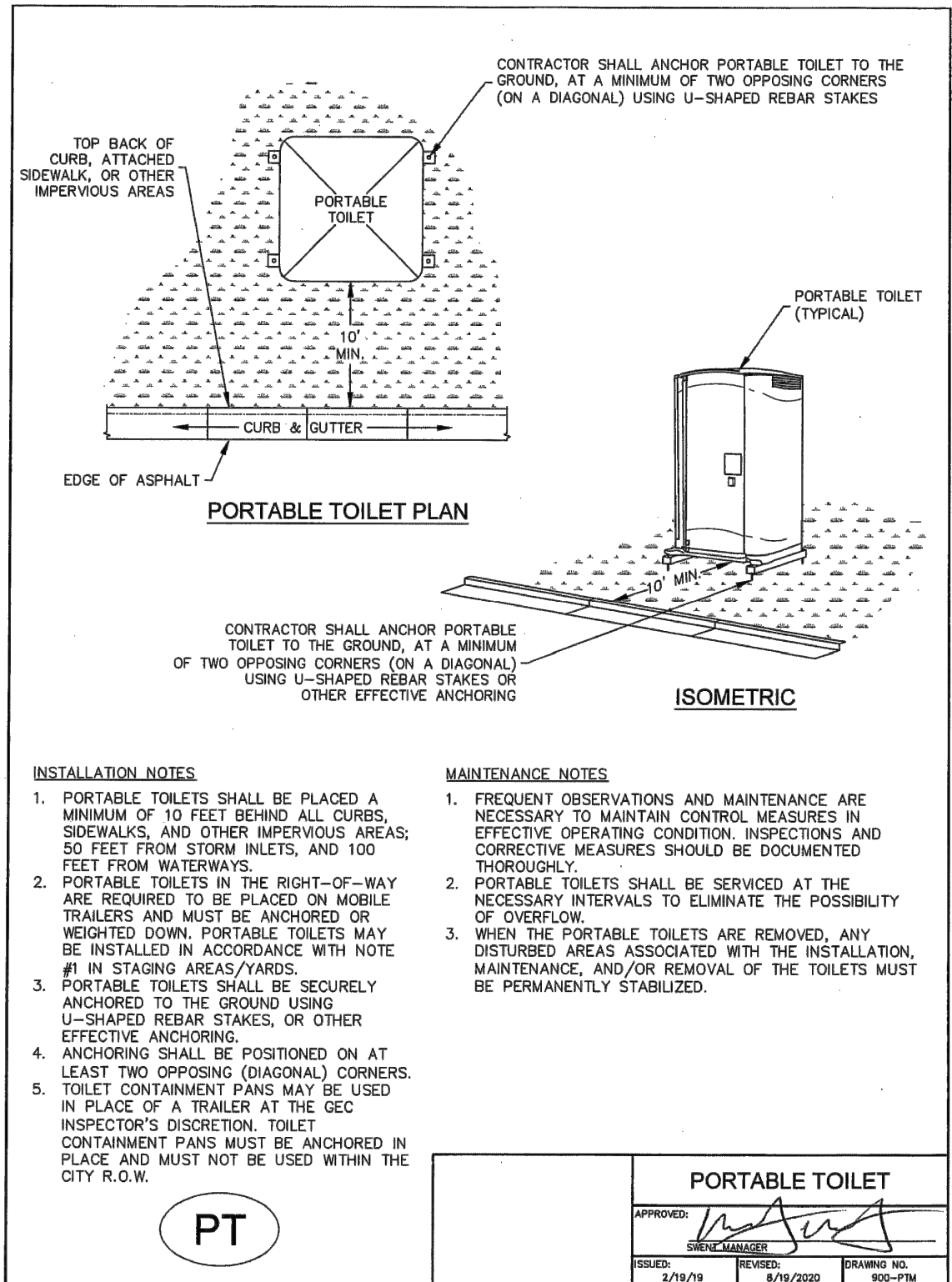
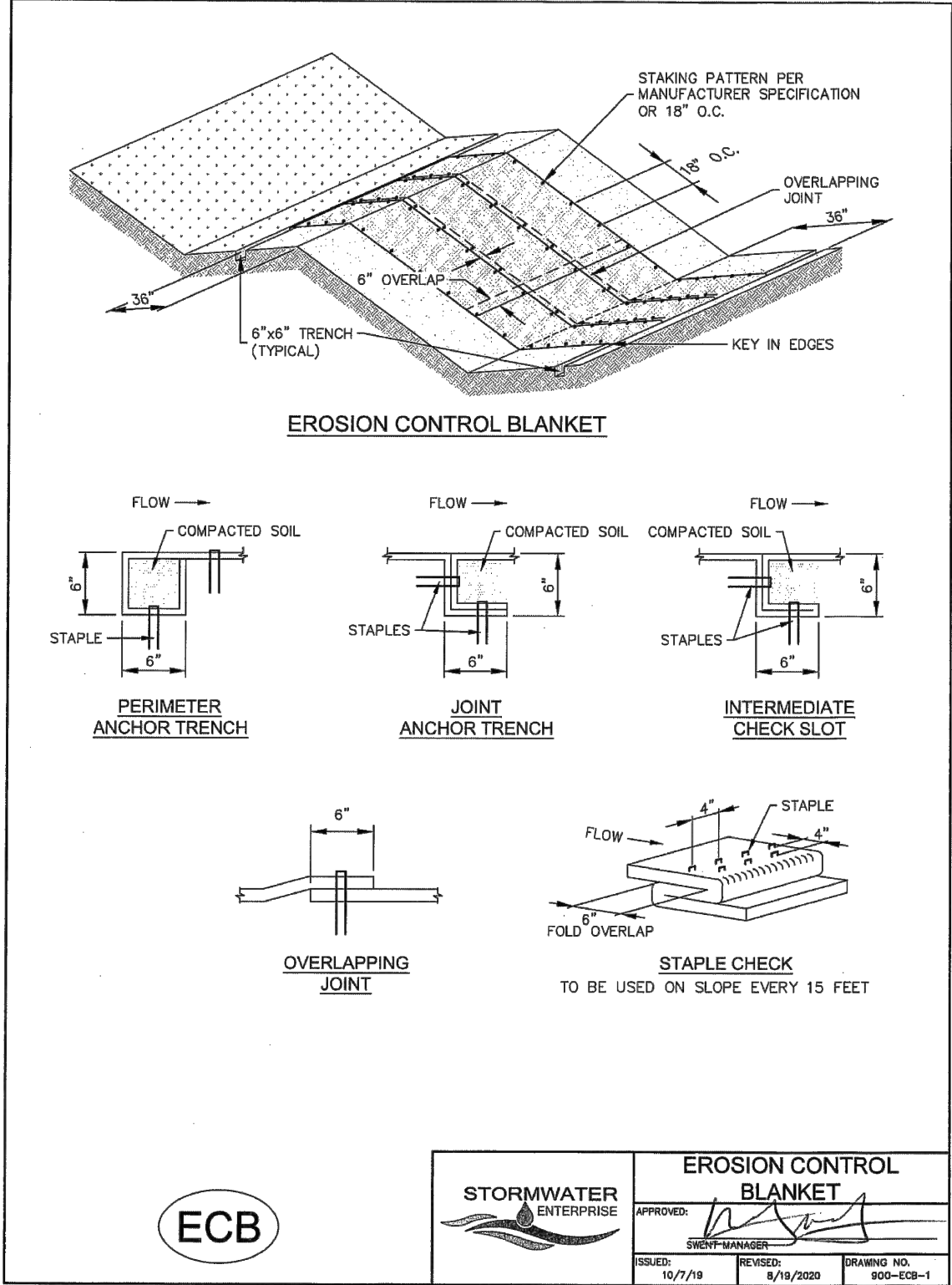
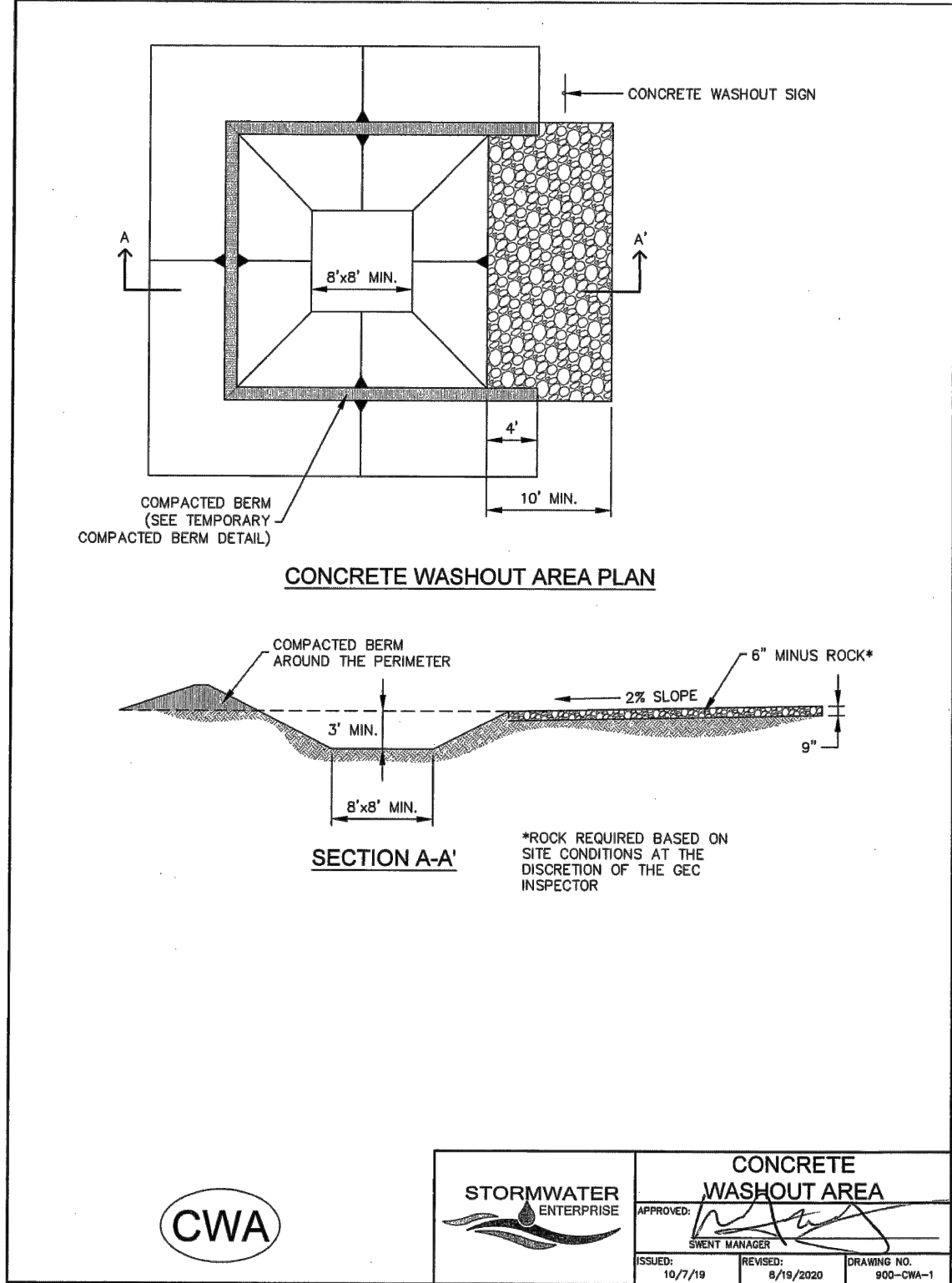
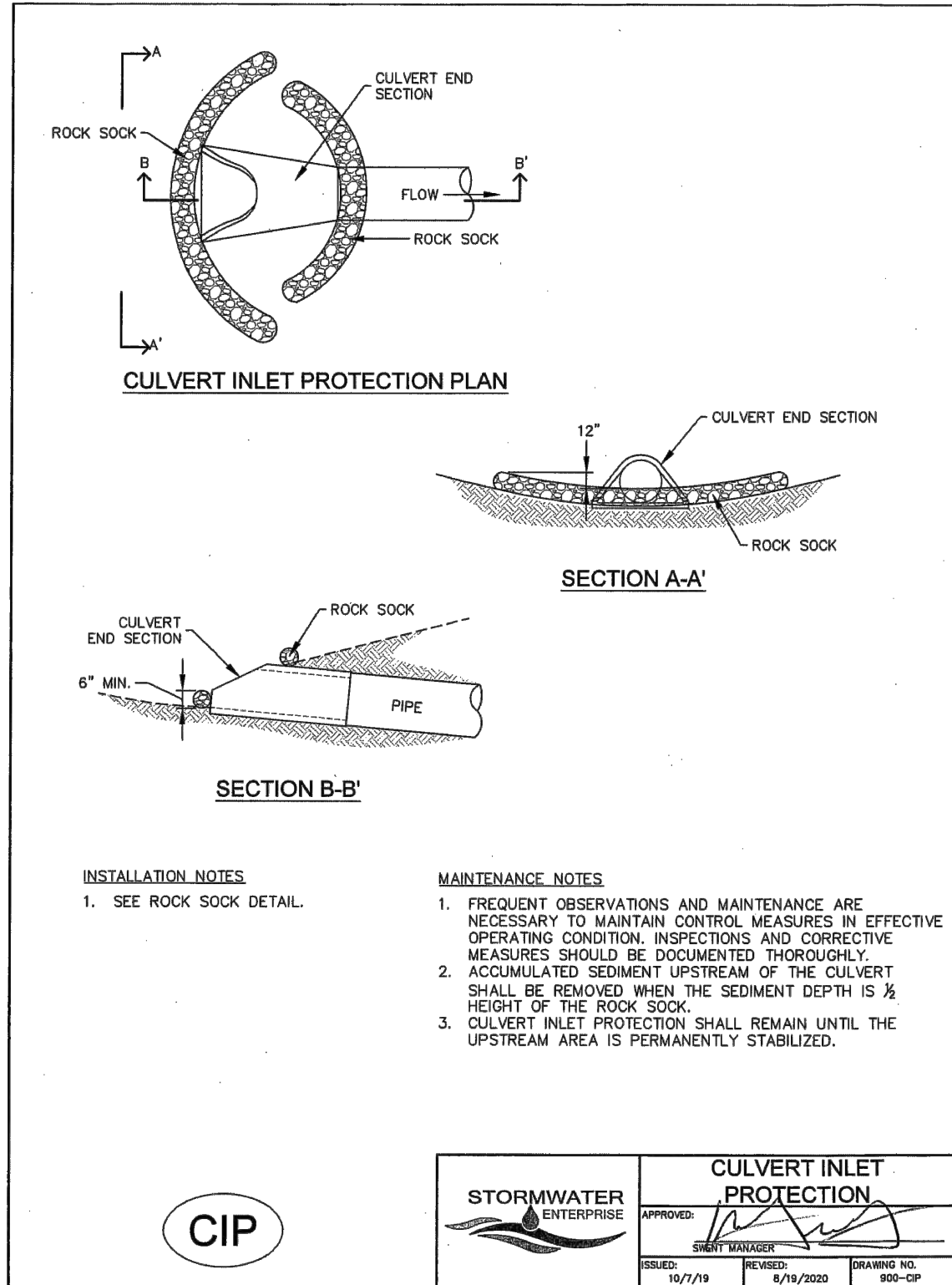
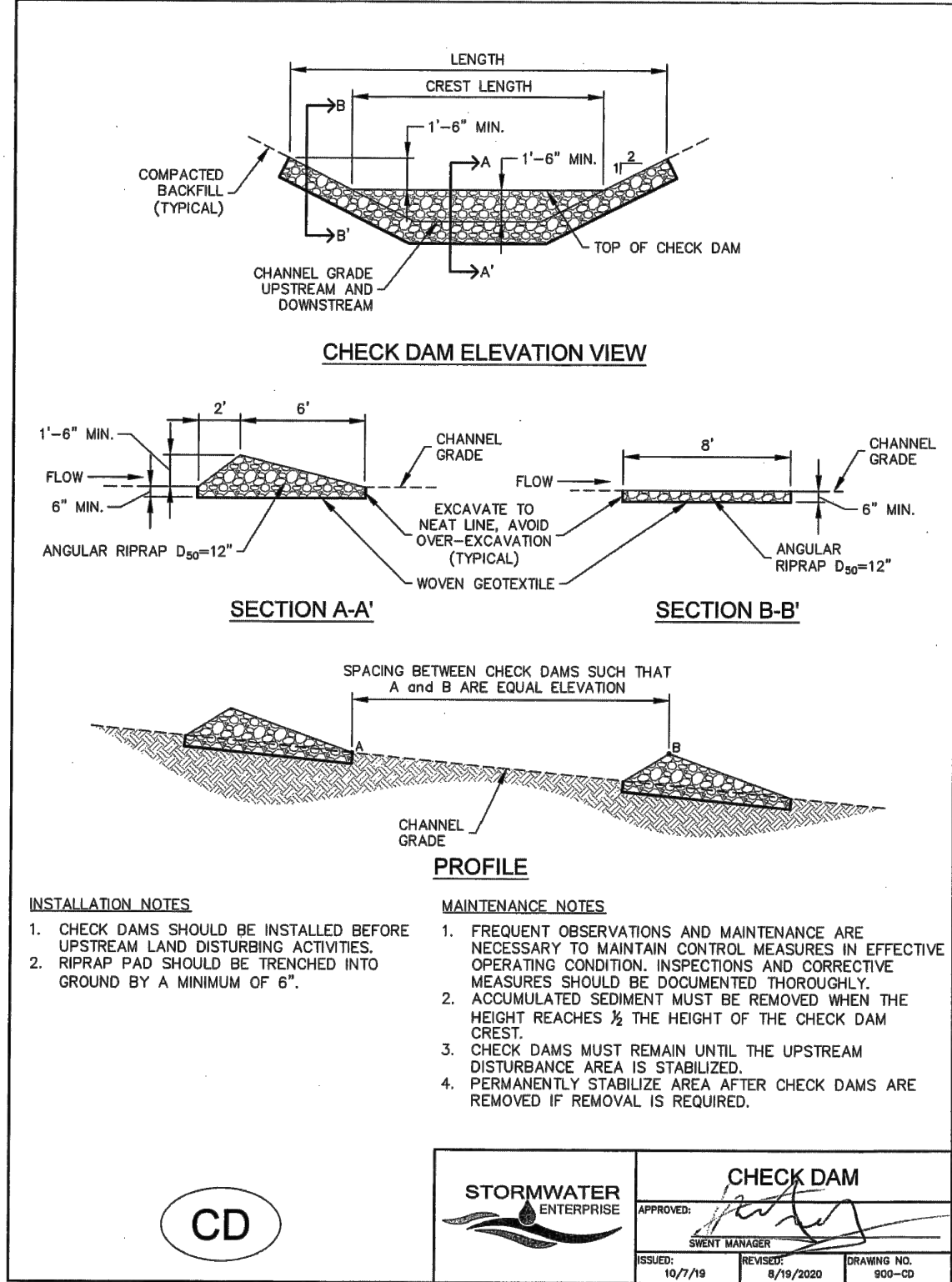


TABLE ECB-1, EROSION CONTROL BLANKET MATERIAL SPECIFICATIONS				
TYPE	COCONUT CONTENT	STRAW CONTENT	EXCORSOR CONTENT	RECOMMENDED NETTING
STRAW	-	100%	-	DOUBLE/NATURAL
STRAW-COCONUT	30% MIN.	70% MAX.	-	DOUBLE/NATURAL
COCONUT	100%	-	-	DOUBLE/NATURAL
EXCORSOR	-	-	100%	DOUBLE/NATURAL

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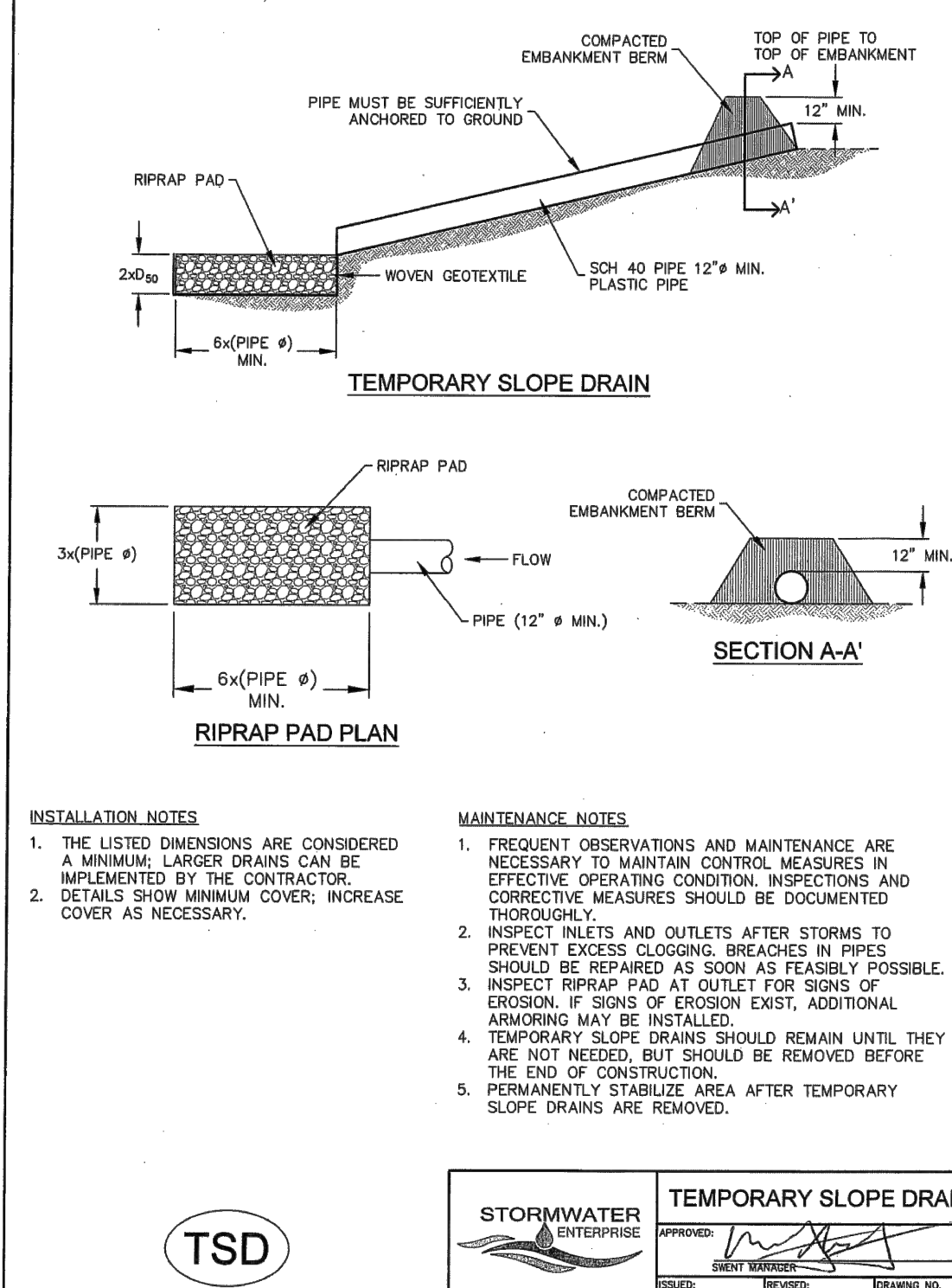
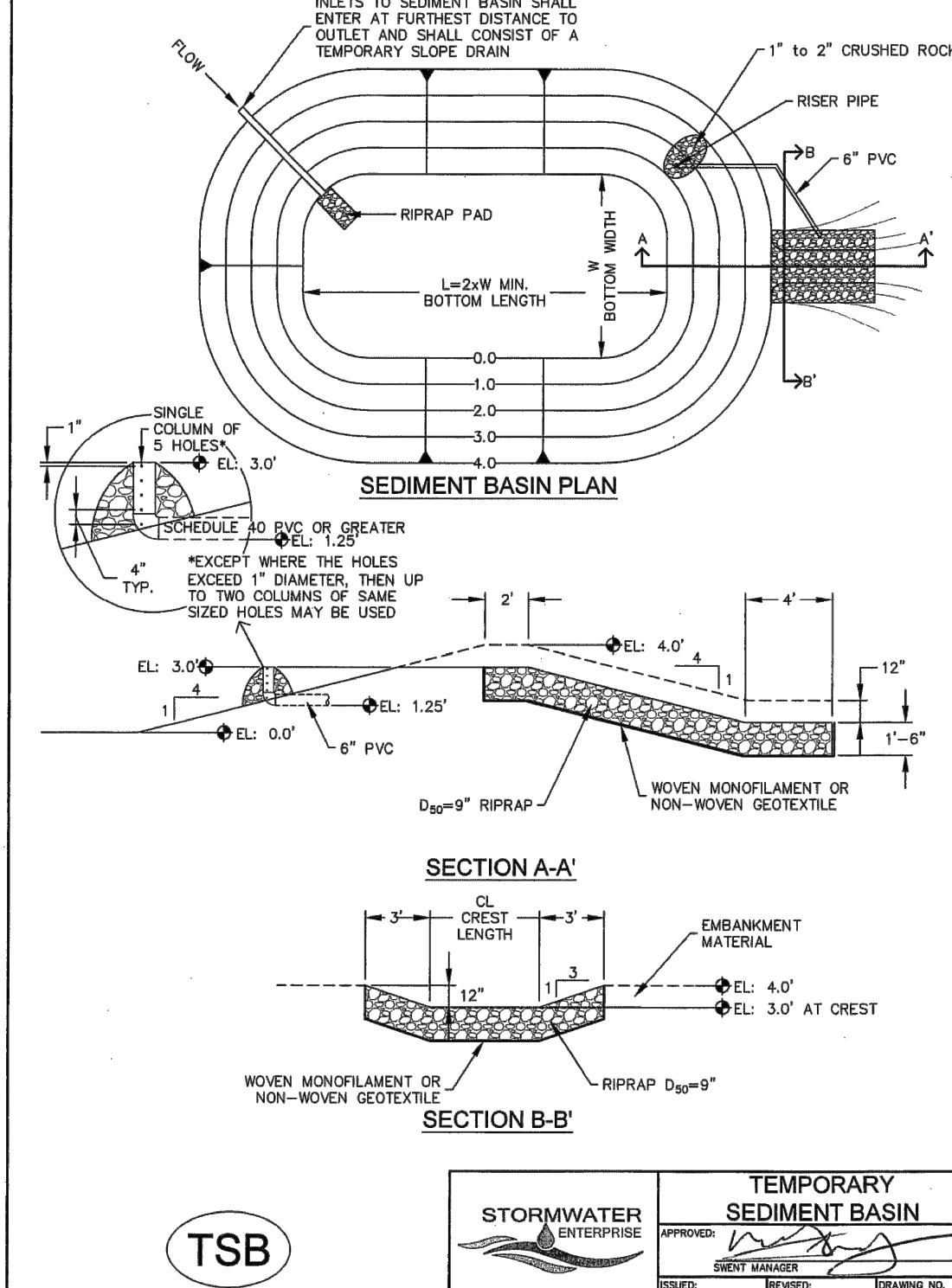
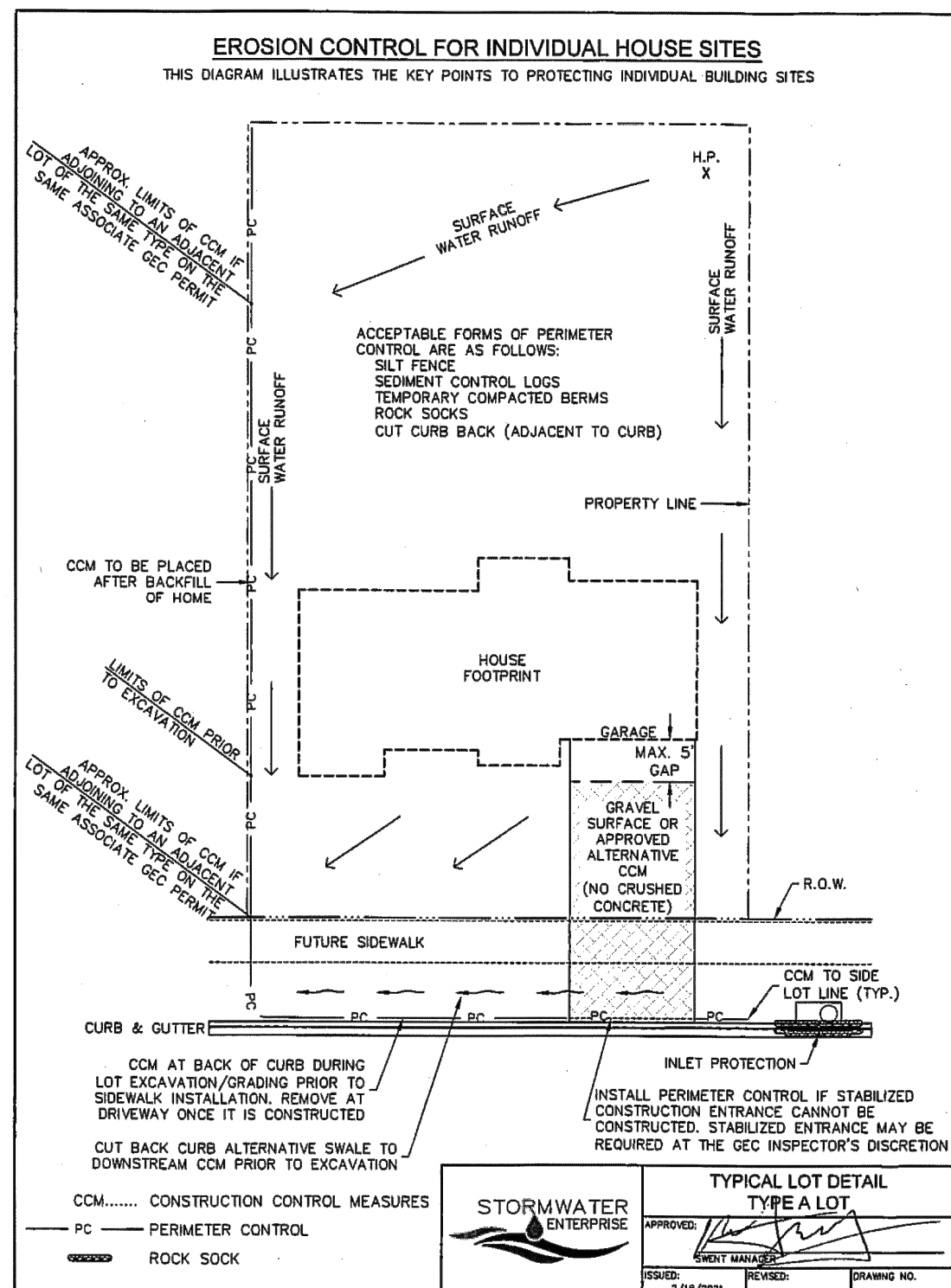


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DETAILS

DESIGNED BY	MAW	SCALE	DATE	5-1-2025
DRAWN BY	ESO	(H) 1"= N/A	SHEET	12 OF 49
CHECKED BY		(V) 1"= N/A	JOB NO.	1183.60



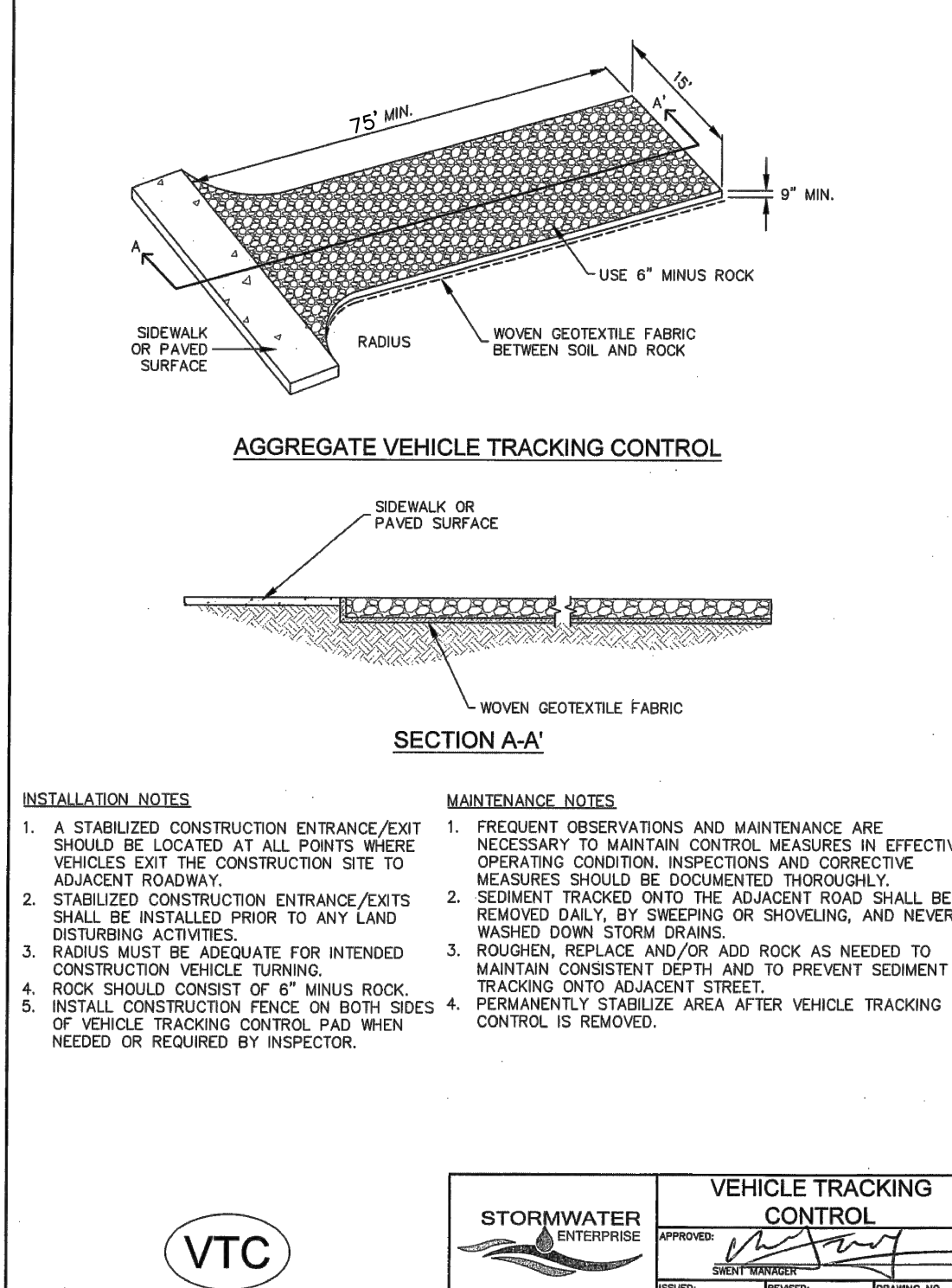
INSTALLATION NOTES

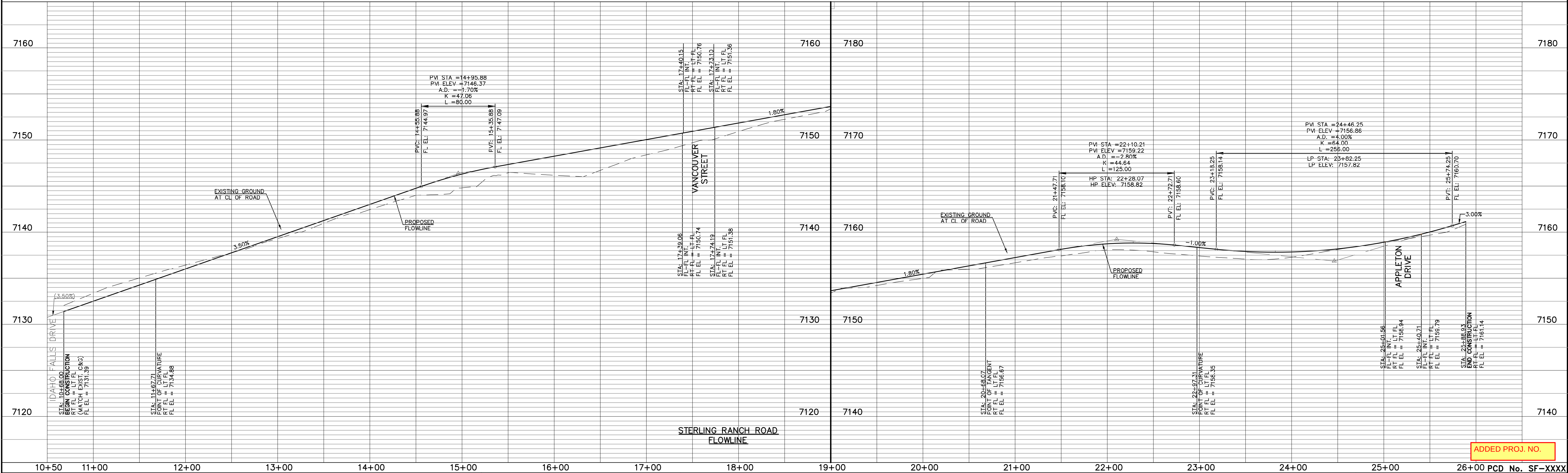
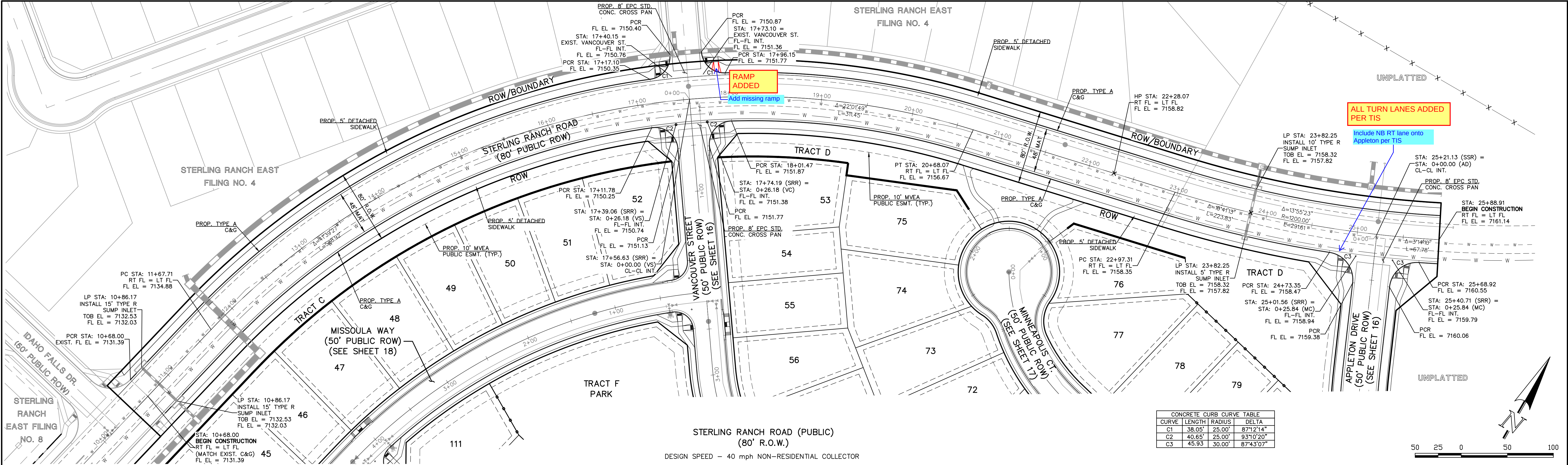
1. FOR STANDARD BASIN, BOTTOM DIMENSION MAY BE ADJUSTED AS LONG AS BOTTOM AREA IS NOT REDUCED.
2. EMBANKMENT MATERIAL SHALL CONSIST OF SOIL FREE OF DEBRIS ORGANIC MATERIAL, AND ROCKS OR CONCRETE GREATER THAN 3 INCHES, AND SHALL HAVE A MINIMUM OF 15 PERCENT BY WEIGHT PASSING THE NO. 200 SIEVE.
3. EMBANKMENT MATERIAL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D-698.
4. PIPE SCHEDULE 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, DRAINAGE VOLUME, SPILLWAY, OUTLET, AND OUTLET PROTECTION DETAILS FOR AREAS OF SEDIMENT BASIN(S) THAT HAVE BEEN INDIVIDUALLY DESIGNED FOR DRAINAGE AREAS LARGER THAN 15 ACRES. DESIGN CALCULATIONS MUST BE APPROVED PRIOR TO IMPLEMENTATION.

MAINTENANCE NOTES

1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. SEDIMENT ACCUMULATED IN BASIN SHALL BE REMOVED AS NEEDED TO MAINTAIN CONTROL MEASURE EFFECTIVENESS, TYPICALLY WHEN SEDIMENT DEPTH REACHES ONE FOOT (I.E. TWO FEET BELOW SPILLWAY CREST).
3. SEDIMENT BASINS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS PERMANENTLY STABILIZED.
4. PERMANENTLY STABILIZE AREA AFTER SEDIMENT BASIN REMOVAL.





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NO. REVISION

DATE

REVIEW:

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

MARC A. WHORTON, COLORADO P.E. #37155

DATE

CLASSIC CONSULTING

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

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

STERLING RANCH EAST FILING NO. 6
CONSTRUCTION PLANS
STREET IMPROVEMENT PLANS
STERLING RANCH ROAD

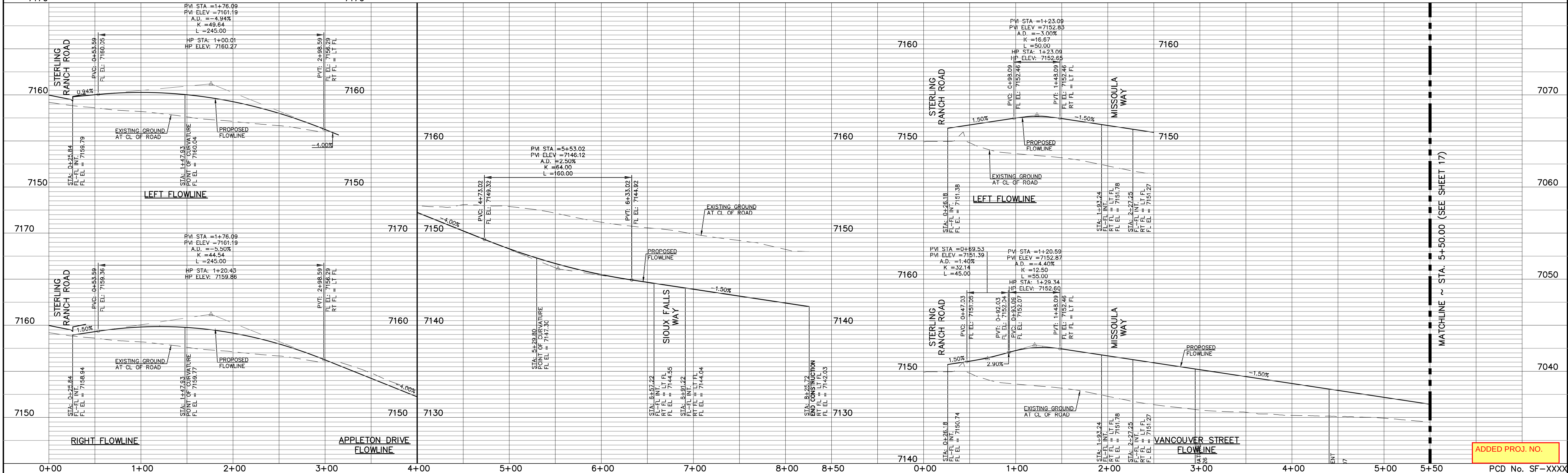
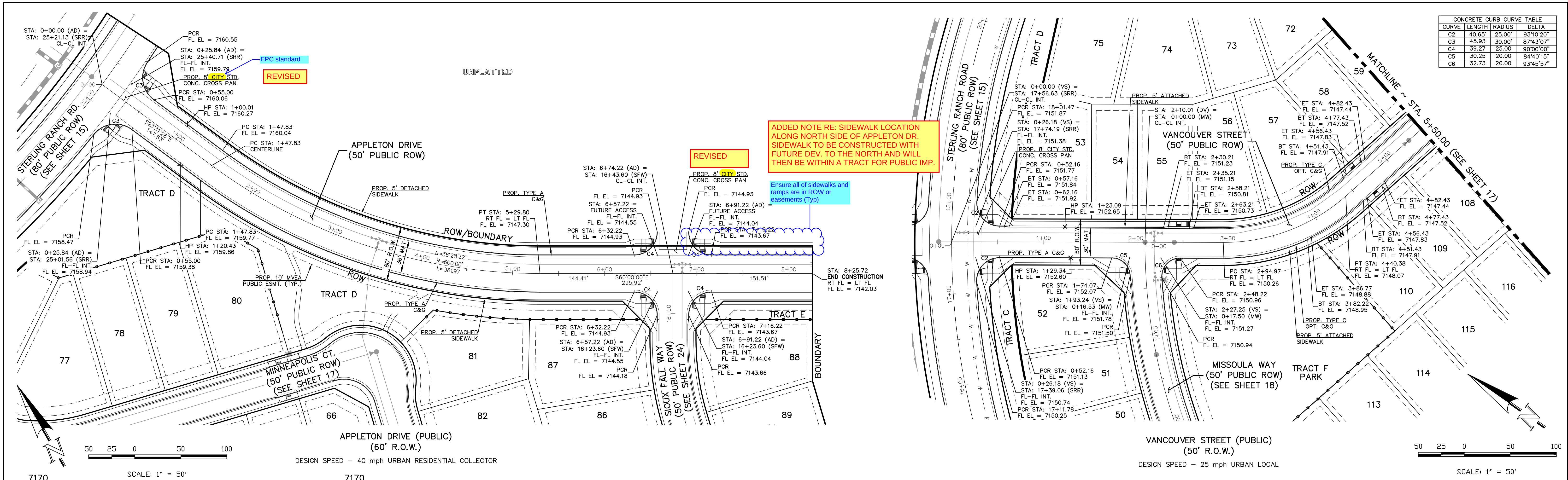
DESIGNED BY PRA
DRAWN BY ESO
CHECKED BY

SCALE (H) 1"= 50'
(V) 1"= 5'

DATE 5-1-2025
SHEET 15 OF 49
JOB NO. 1183.60

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N:\118380\DRAWINGS\CONSTRUCTION\118380-SI-02.dwg, 5/12/2026 3:24:41 PM, 1:1, AS



NO.	REVISION	DATE	REVIEW:

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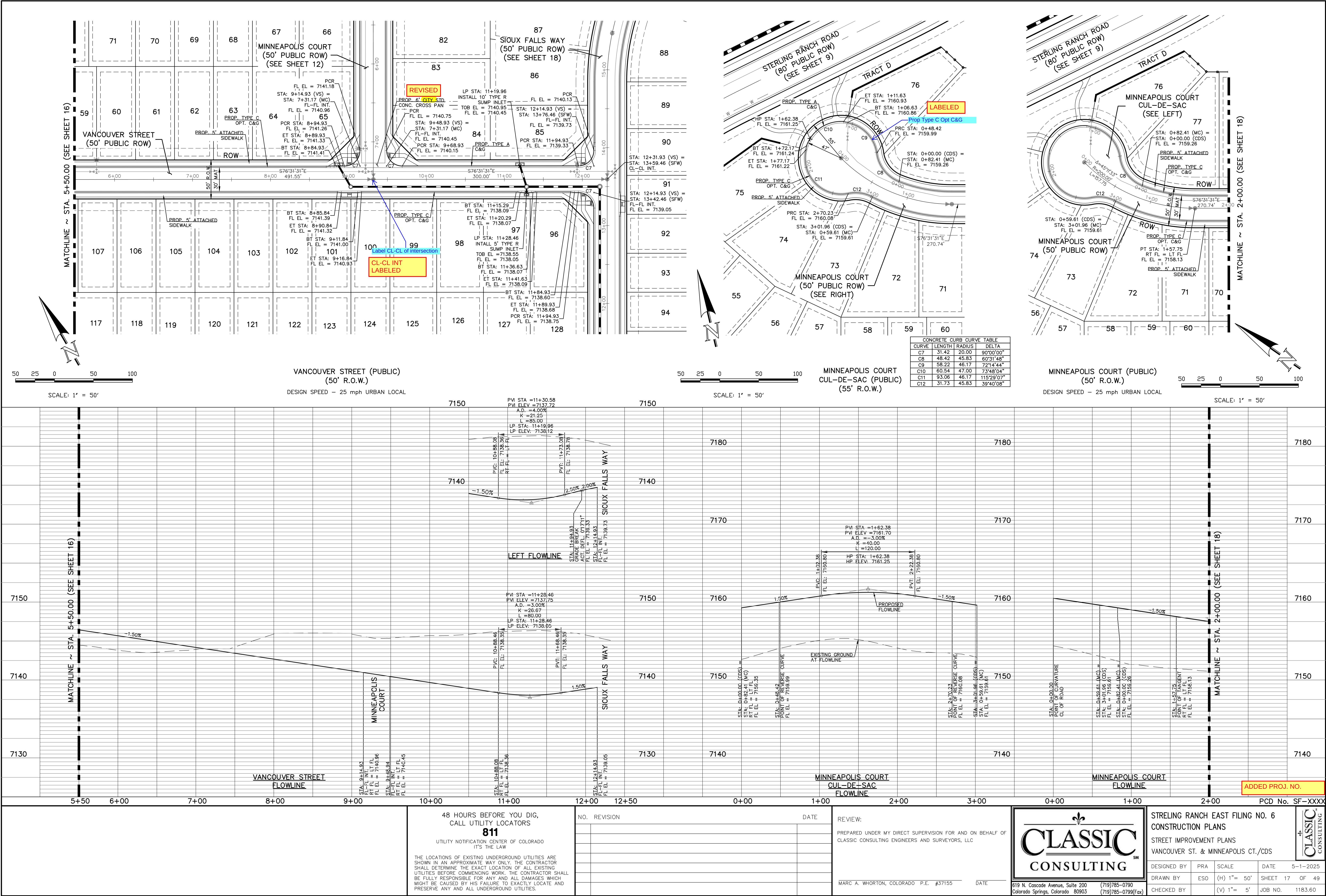
MARC A. WHORTON, COLORADO P.E. #37155 DATE

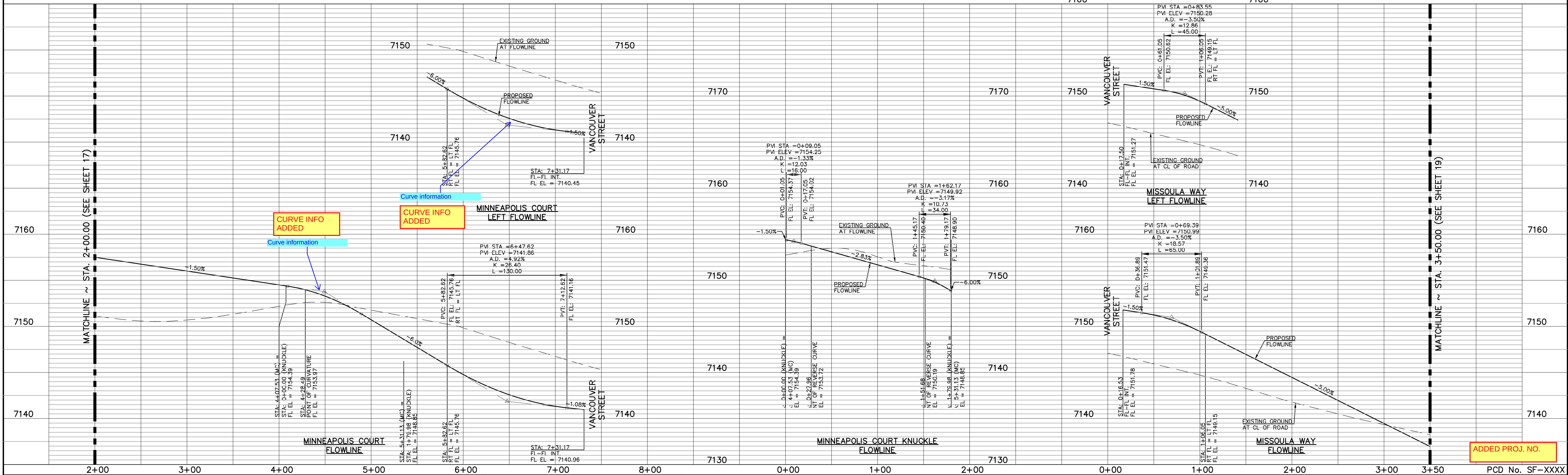
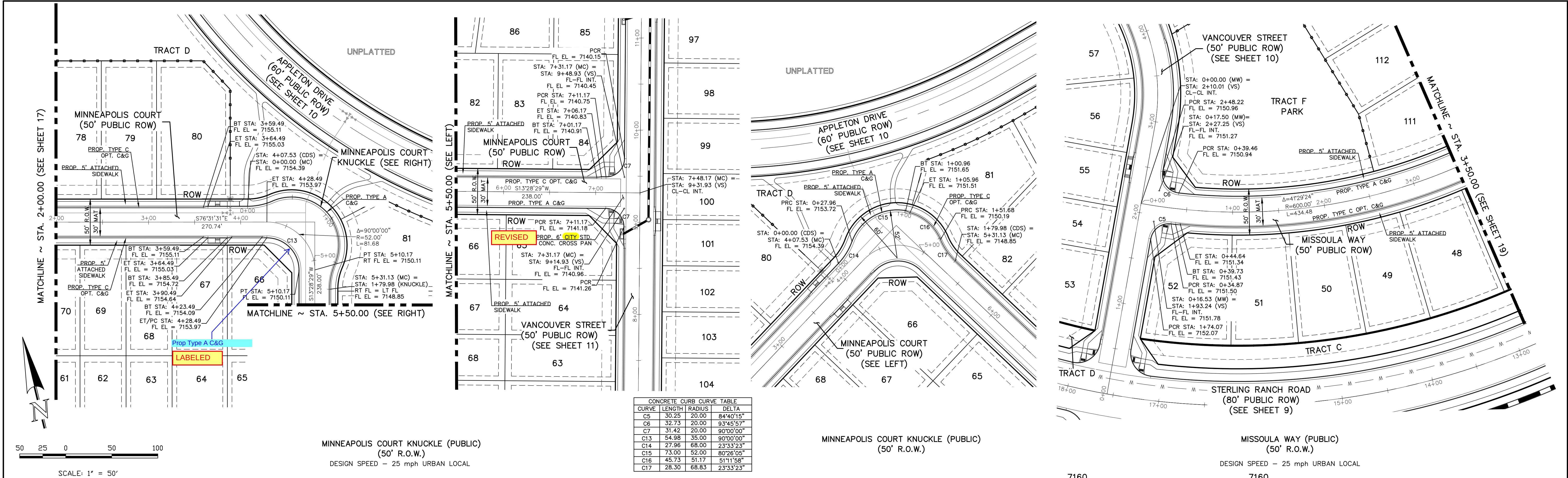
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DRAWN BY ESO (H) 1"= 50' SHEET 16 OF 49
CHECKED BY (V) 1"= 5' JOB NO. 1183.60

STRELING RANCH EAST FILING NO. 6
CONSTRUCTION PLANS
STREET IMPROVEMENT PLANS
APPLETON DRIVE & VANCOUVER STREET

CLASSIC CONSULTING

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





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MARC A. WHORTON, COLORADO P.E. #37155 DATE

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Colorado Springs, Colorado 80903

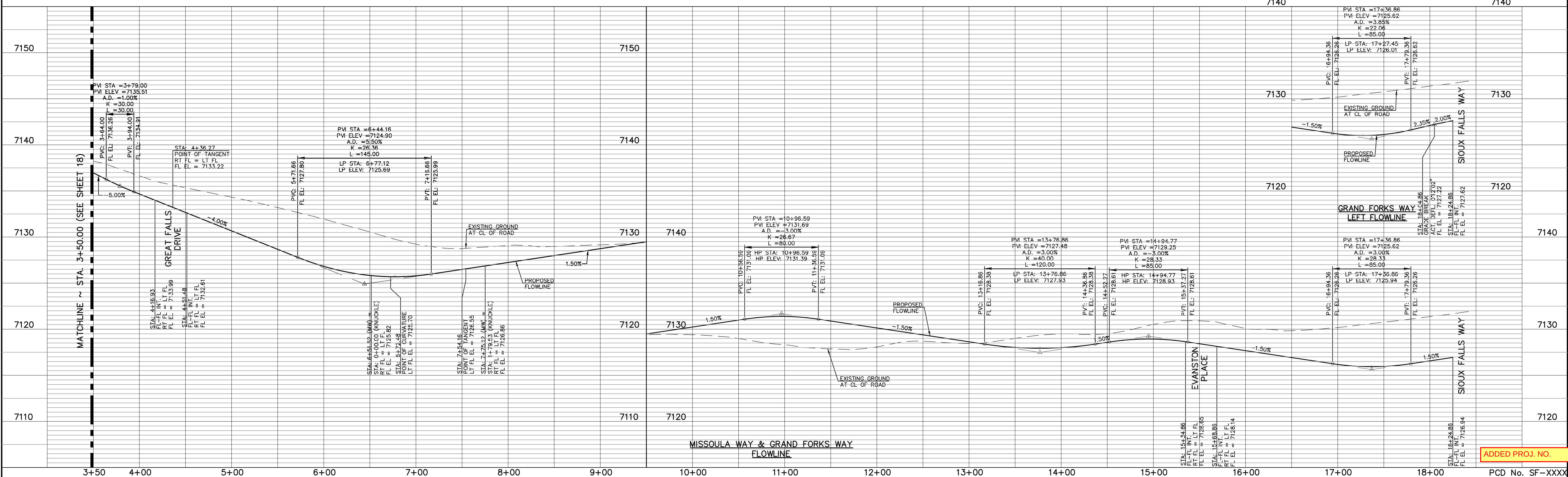
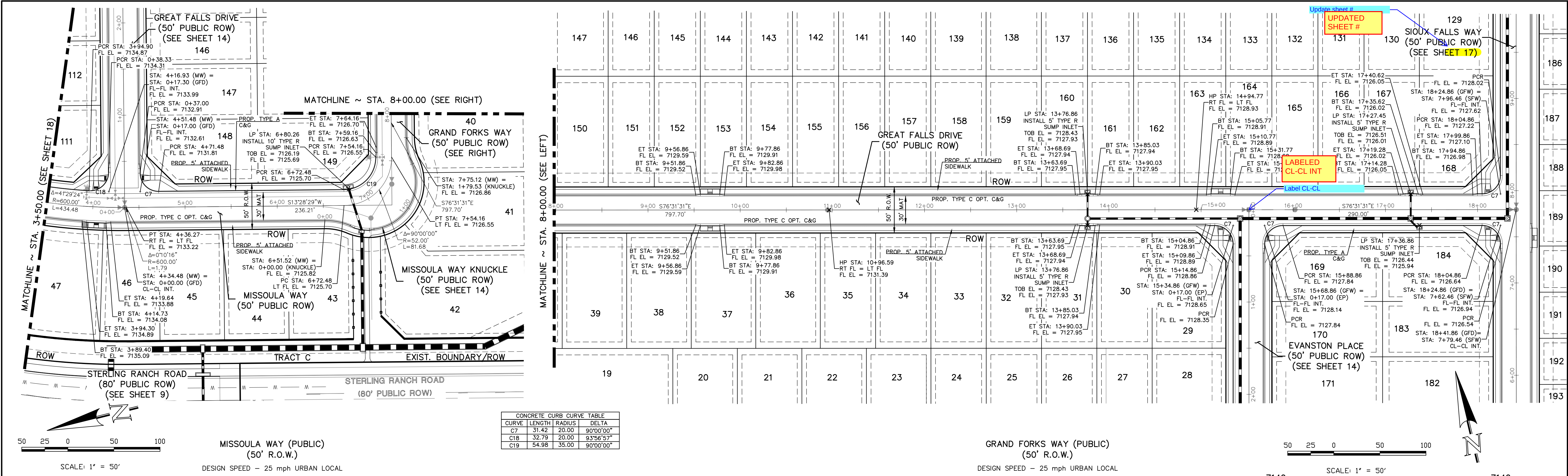
(719)785-0790
(719)785-0799(Fax)

STRELING RANCH EAST FILING NO. 6
CONSTRUCTION PLANS
STREET IMPROVEMENT PLANS
MINNEAPOLIS CT./KNUCKLE & MISSOULA WAY

DESIGNED BY	PRA	SCALE	DATE	5-1-2025
DRAWN BY	ESO	(H) 1"= 50'	SHEET	18 OF 49
CHECKED BY	(V) 1"= 5'	JOB NO.	1183.60	

CLASSIC CONSULTING

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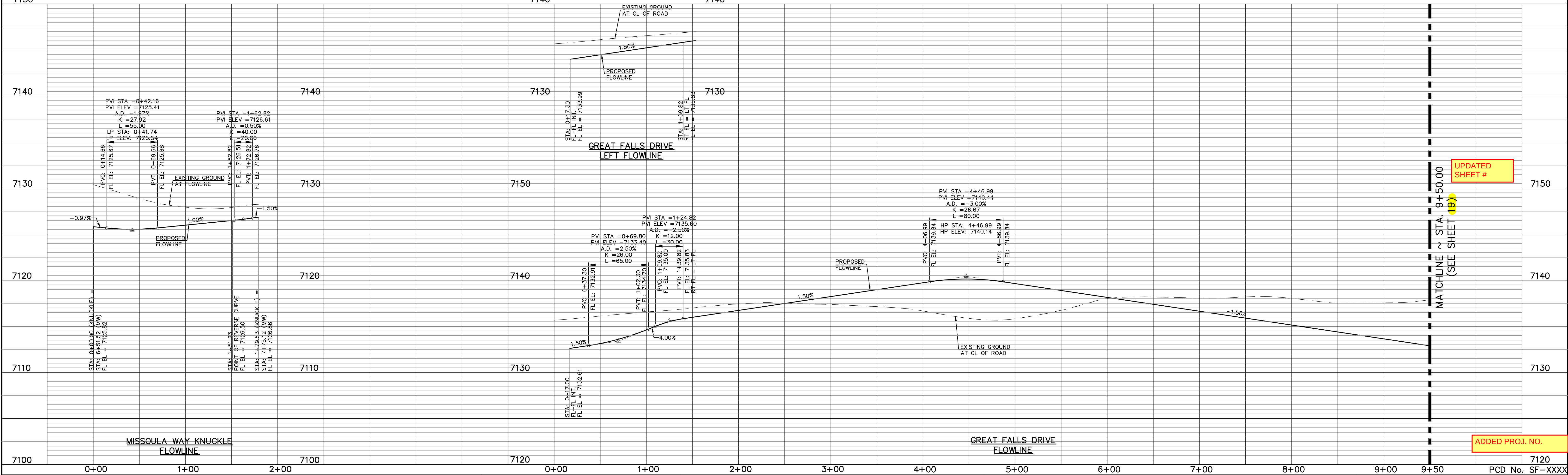
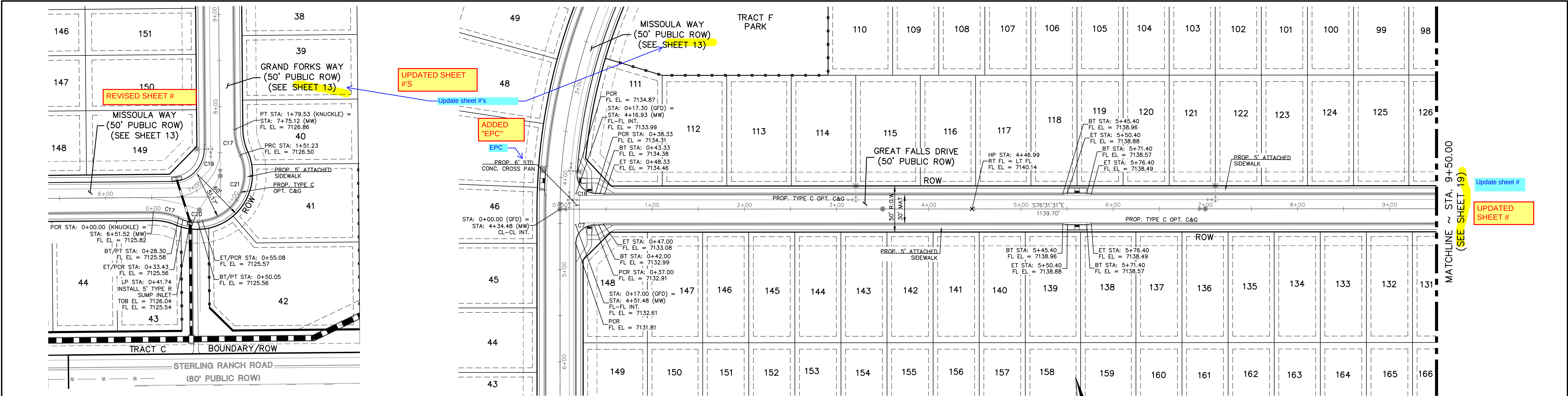
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STRELING RANCH EAST FILING NO. 6
CONSTRUCTION PLANS
STREET IMPROVEMENT PLANS
MISSOULA WAY & GRAND FORKS WAY

DESIGNED BY	PRA	SCALE	DATE	5-1-2025
DRAWN BY	ESO	(H) 1" = 50'	SHEET	19 OF 49
CHECKED BY	(V) 1" = 5'	JOB NO.	1183.60	

PCD No. SF-XXXX



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(719) 785-0790
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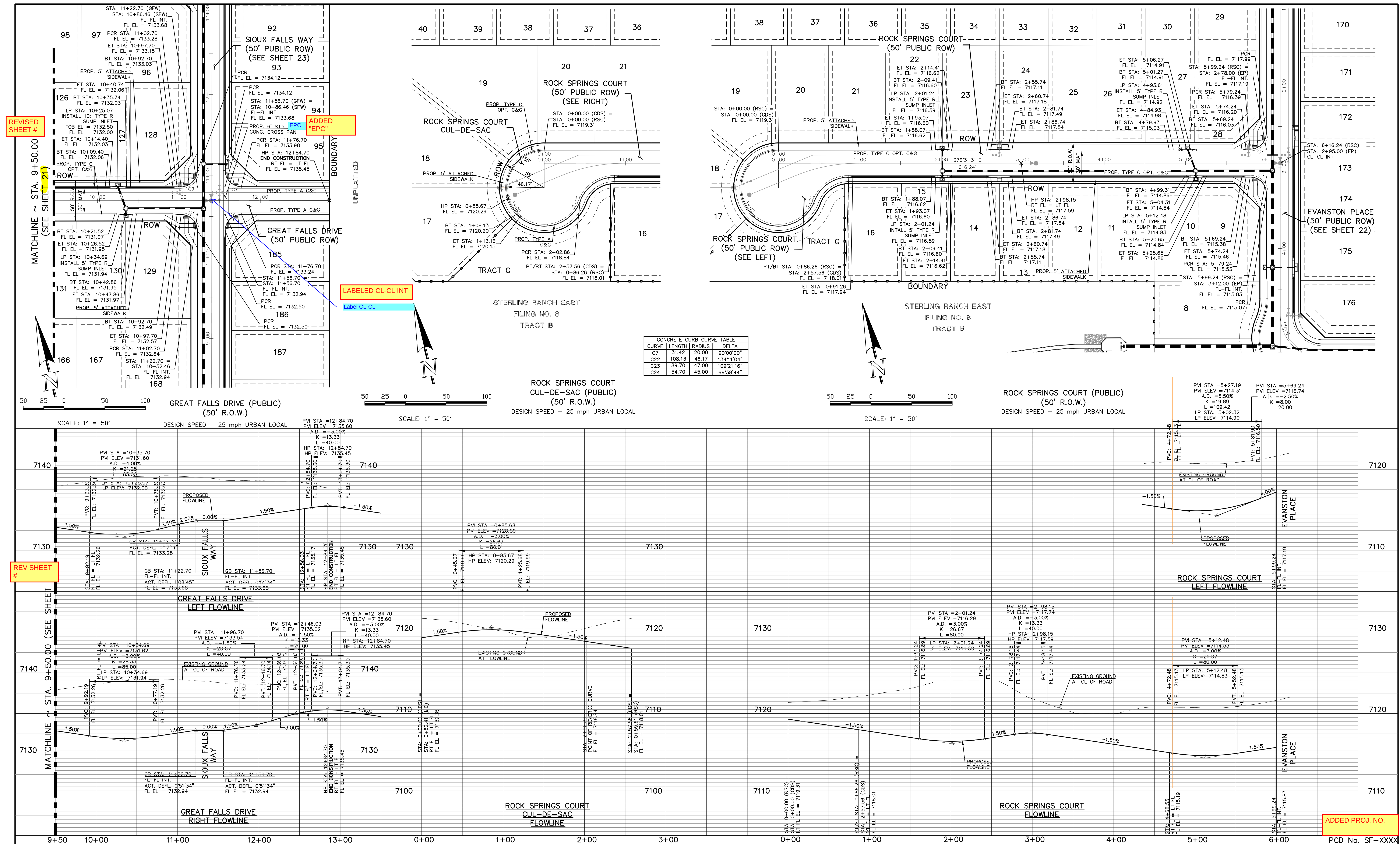
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CONSTRUCTION PLANS
STREET IMPROVEMENT PLANS
MISSOULA WAY KNUCKLE & GREAT FALLS DRIVE

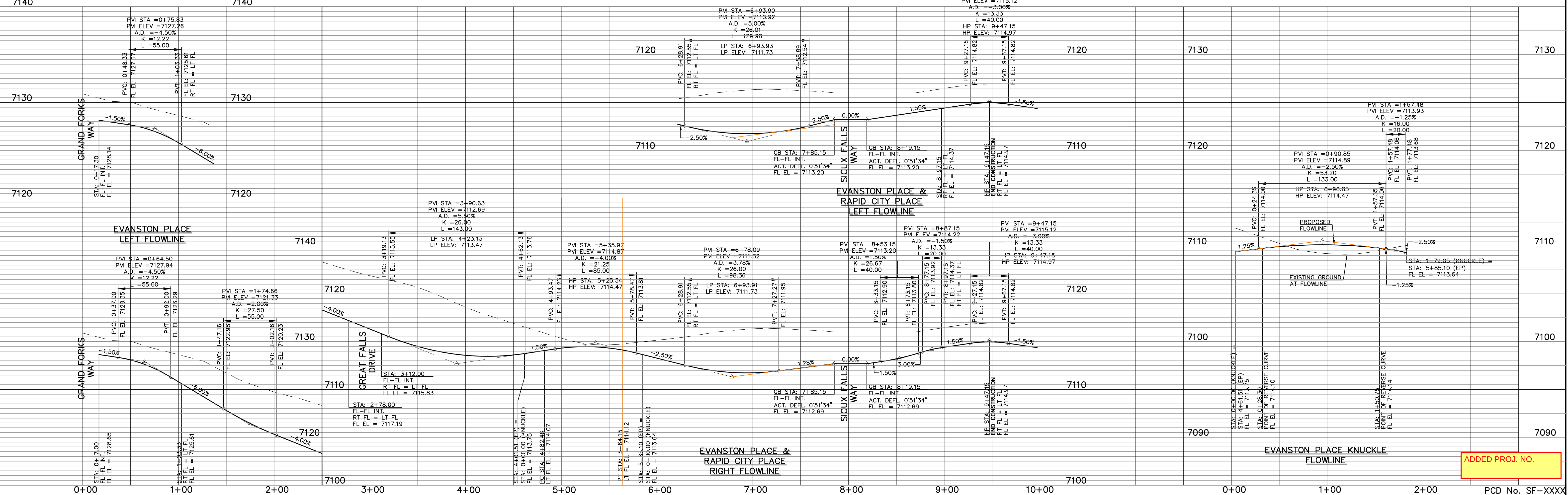
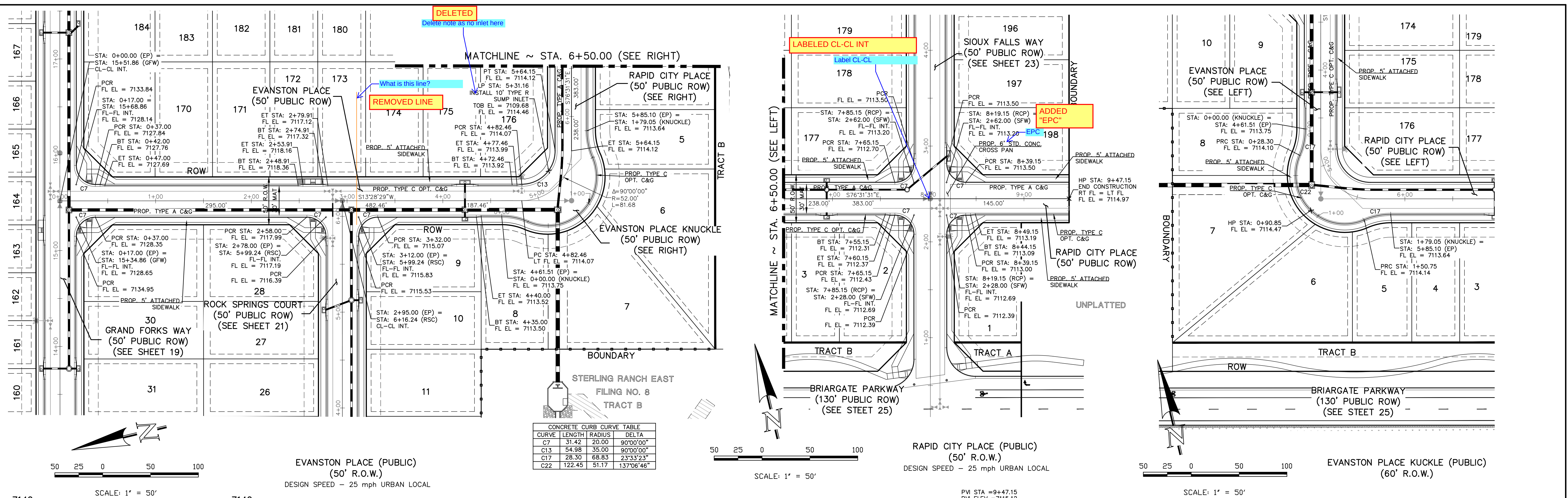
DESIGNED BY	PRA	SCALE	DATE
			5-1-2025

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CHECKED BY	(V) 1"= 5'	JOB NO.	1183.60

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NO. REVISION

DATE _____

REVIEW-

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

MADON, A. WILSON, COLORADO, D.F. #37155

DATE _____



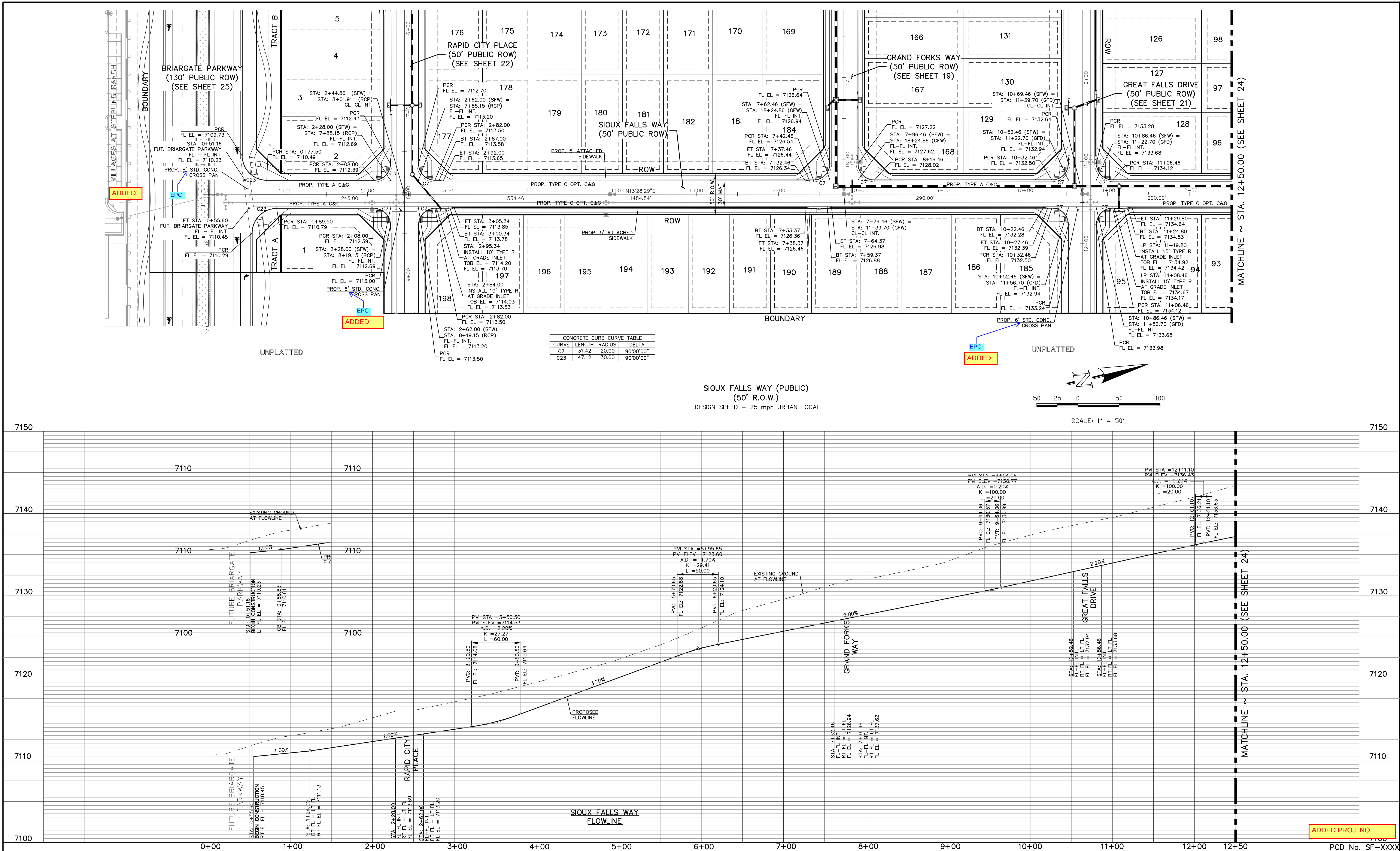
STRELING RANCH EAST FILING NO. 6
CONSTRUCTION PLANS
STREET IMPROVEMENT PLANS
EVANSTON PLACE & RAPID CITY PL./KNUCKLE

DESIGNED BY	PRA	SCALE	DATE	5-1-2025
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DRAWN BY	ESO	(H) 1"= 50'	SHEET 22 OF 49
CHECKED BY		(V) 1"= 5'	JOB NO. 1183.60

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CONSULTING

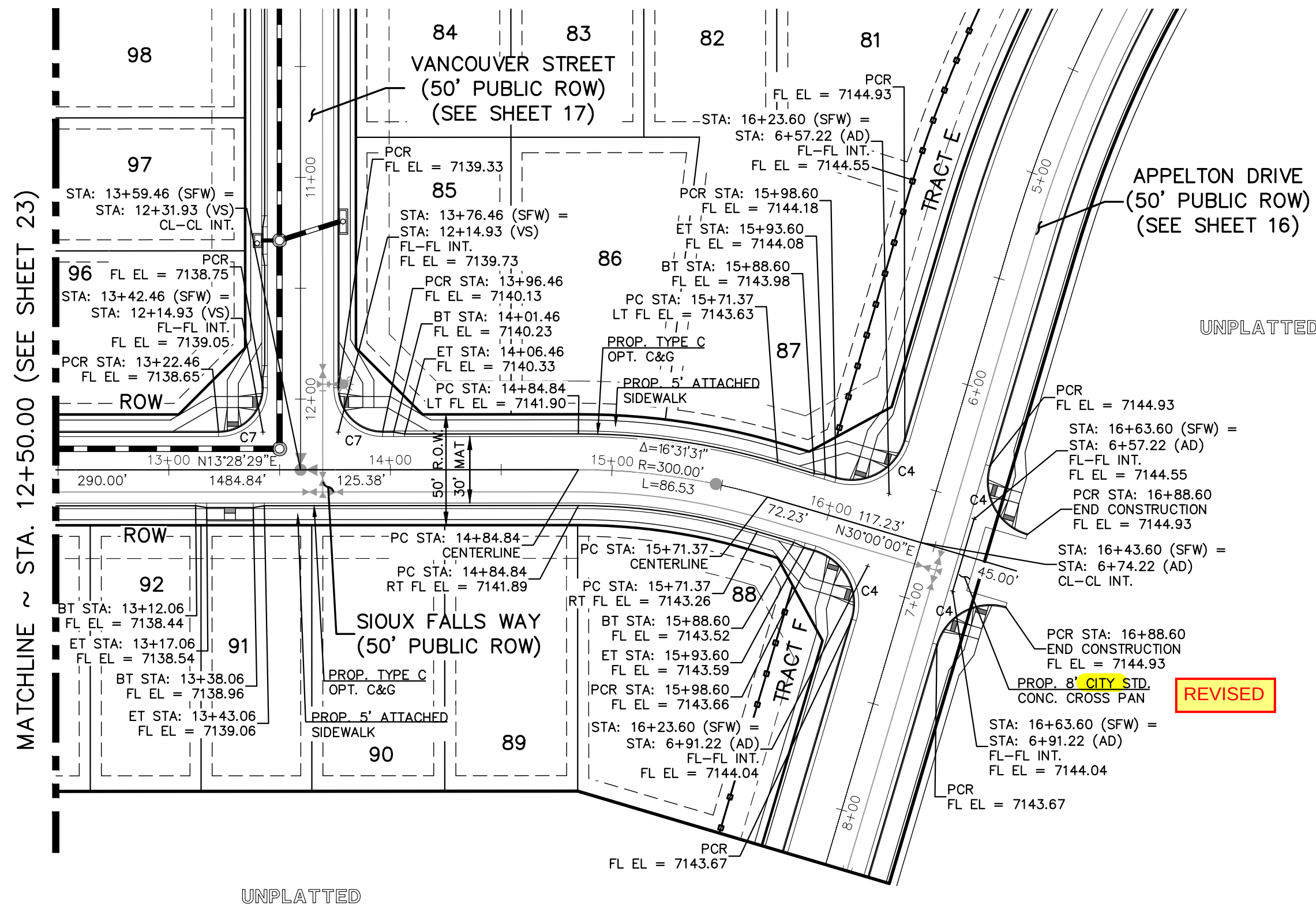
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ADDED PROJ. NO.

PCD No. SF-XXXX

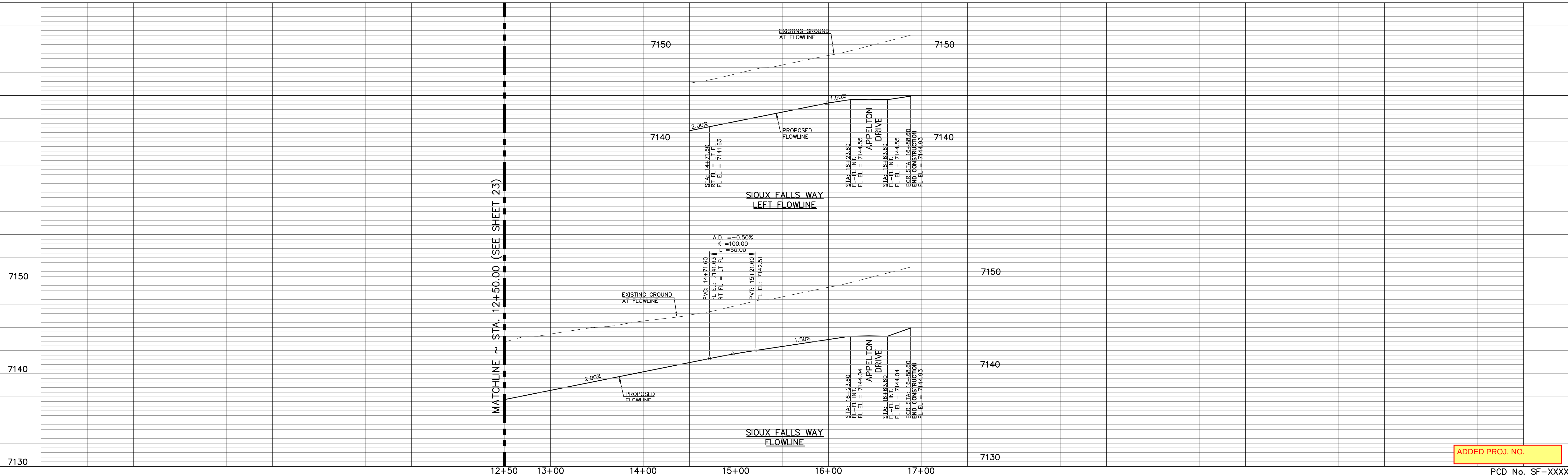
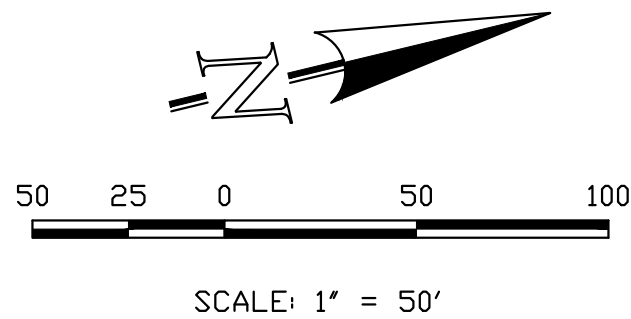
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AS



CONCRETE CURB CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C4	39.27	25.00	90°00'00"
C7	31.42	20.00	90°00'00"

UNPLATTED

SIoux FALLS WAY (PUBLIC)
(50' R.O.W.)
DESIGN SPEED - 25 mph URBAN LOCAL



ADDED PROJ. NO.

PCD No. SF-XXXX

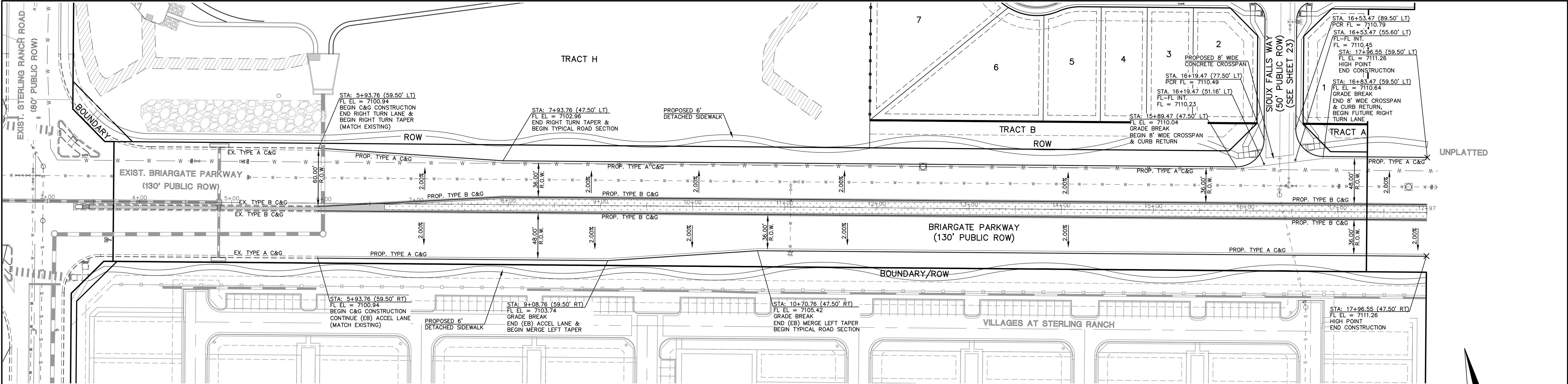
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NO.	REVISION	DATE

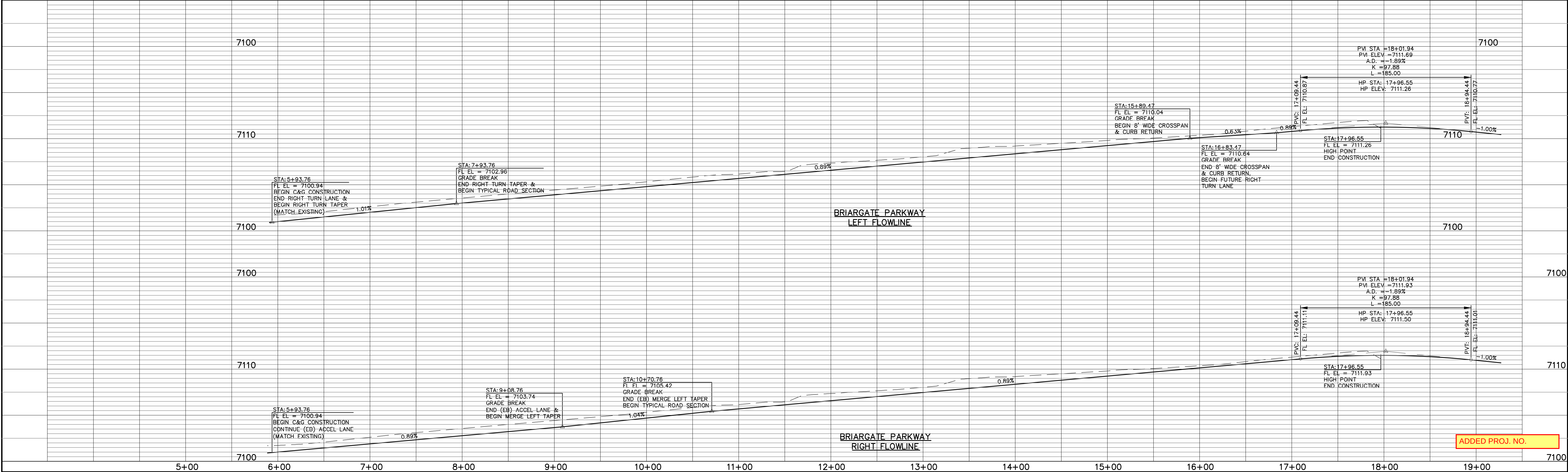
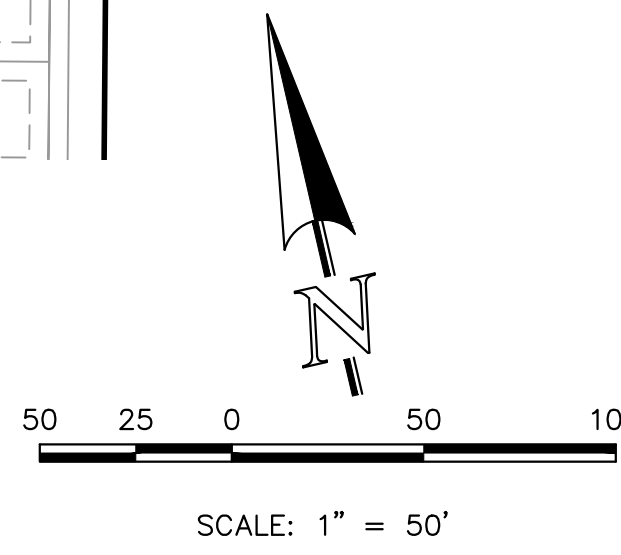
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CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC
MARC A. WHORTON, COLORADO P.E. #37155 DATE



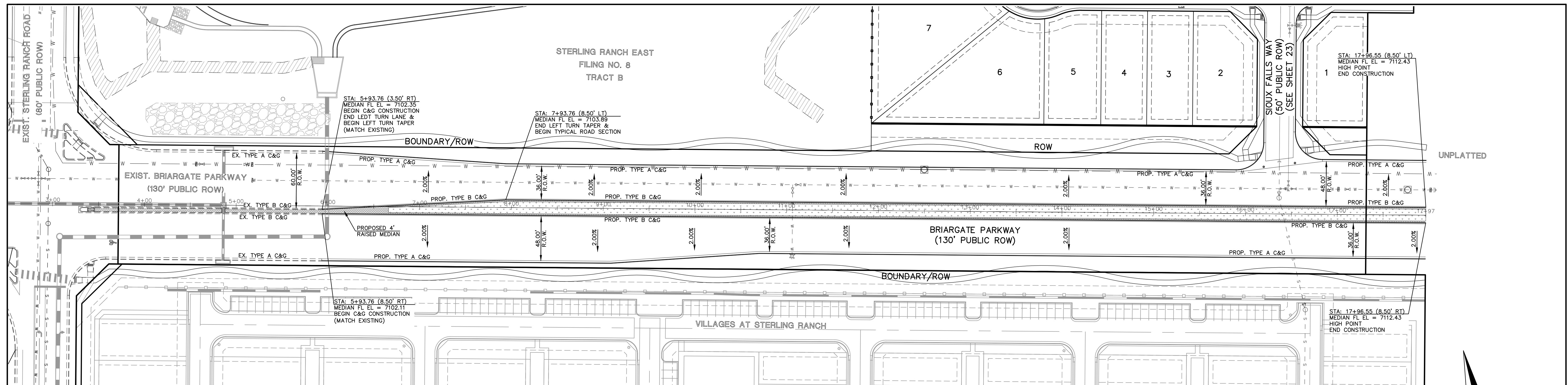
STRELING RANCH EAST FILING NO. 6
CONSTRUCTION PLANS
STREET IMPROVEMENT PLANS
SIoux FALLS WAY
DESIGNED BY PRA SCALE DATE 5-1-2025
DRAWN BY ESO (H) 1"= 50' SHEET 24 OF 49
CHECKED BY (V) 1"= 5' JOB NO. 1183.60



BRIARGATE PARKWAY (PUBLIC)
(130' R.O.W.)
DESIGN SPEED - 50 mph
URBAN PRINCIPAL 4 LANE ARTERIAL



48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS 811 UTILITY NOTIFICATION CENTER OF COLORADO 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.		<table border="1"><thead><tr><th>NO.</th><th>REVISION</th><th>DATE</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table>		NO.	REVISION	DATE													REVIEW: PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC MARC A. WHORTON, COLORADO P.E. #37155 DATE		STERLING RANCH EAST FILING NO. 6 CONSTRUCTION PLANS BRIARGATE PARKWAY PLAN AND PROFILE <table border="1"><tr><td>DESIGNED BY</td><td>PRA</td><td>SCALE</td><td>DATE</td><td>04/21/25</td></tr><tr><td>DRAWN BY</td><td>PRA</td><td>(H) 1" = 50'</td><td>SHEET</td><td>25 OF 49</td></tr><tr><td>CHECKED BY</td><td>(V) 1" = 5'</td><td>JOB NO.</td><td colspan="2">1183.60</td></tr></table>		DESIGNED BY	PRA	SCALE	DATE	04/21/25	DRAWN BY	PRA	(H) 1" = 50'	SHEET	25 OF 49	CHECKED BY	(V) 1" = 5'	JOB NO.	1183.60	
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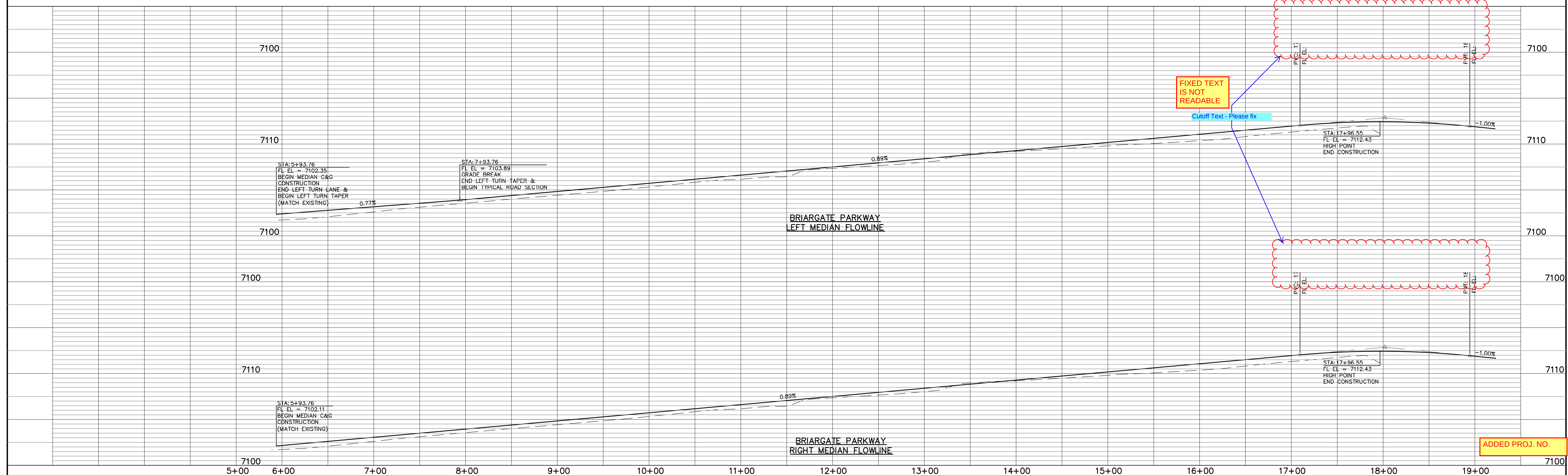
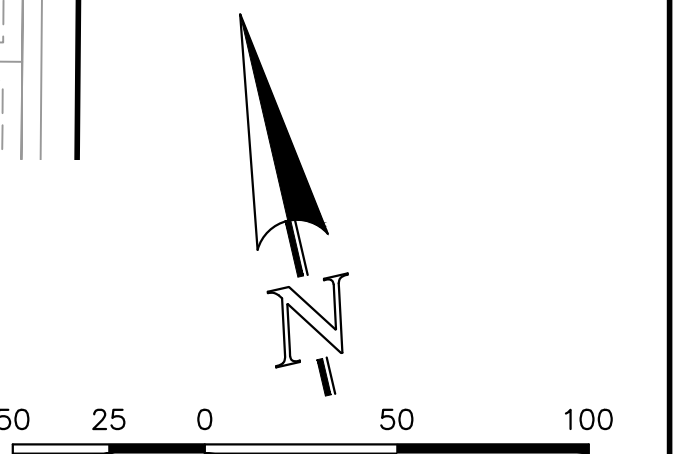


LANDSCAPE NOTES:
ALL LANDSCAPE MEDIAN TREATMENT INSTALLED WITHIN THE MEDIAN SHALL MEET HEIGHT REQUIREMENTS FOR SITE DISTANCE PER EL PASO COUNTY STDs.

ALL LANDSCAPE MEDIAN TREATMENT WITHIN THE MEDIAN SHALL BE INSTALLED BY DEVELOPER AND MAINTAINED BY THE METRO DISTRICT.

LICENSE AGREEMENT WITH EL PASO COUNTY REQUIRED FOR ALL LANDSCAPE TREATMENT WITHIN THE MEDIAN.

BRIARGATE PARKWAY (PUBLIC)
(130' R.O.W.)
DESIGN SPEED - 50 mph
4 LANE PRINCIPAL ARTERIAL



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[illegible]

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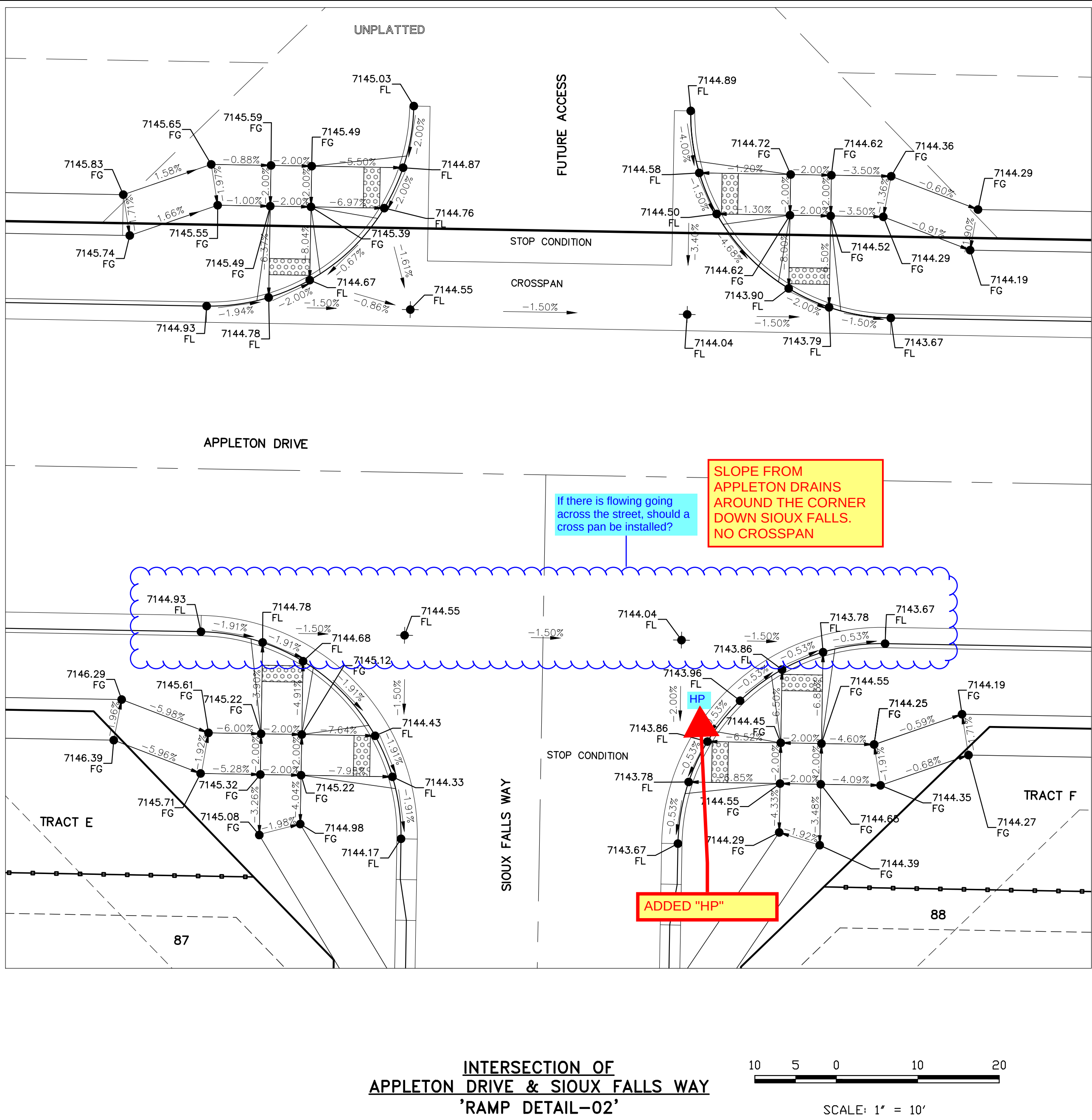
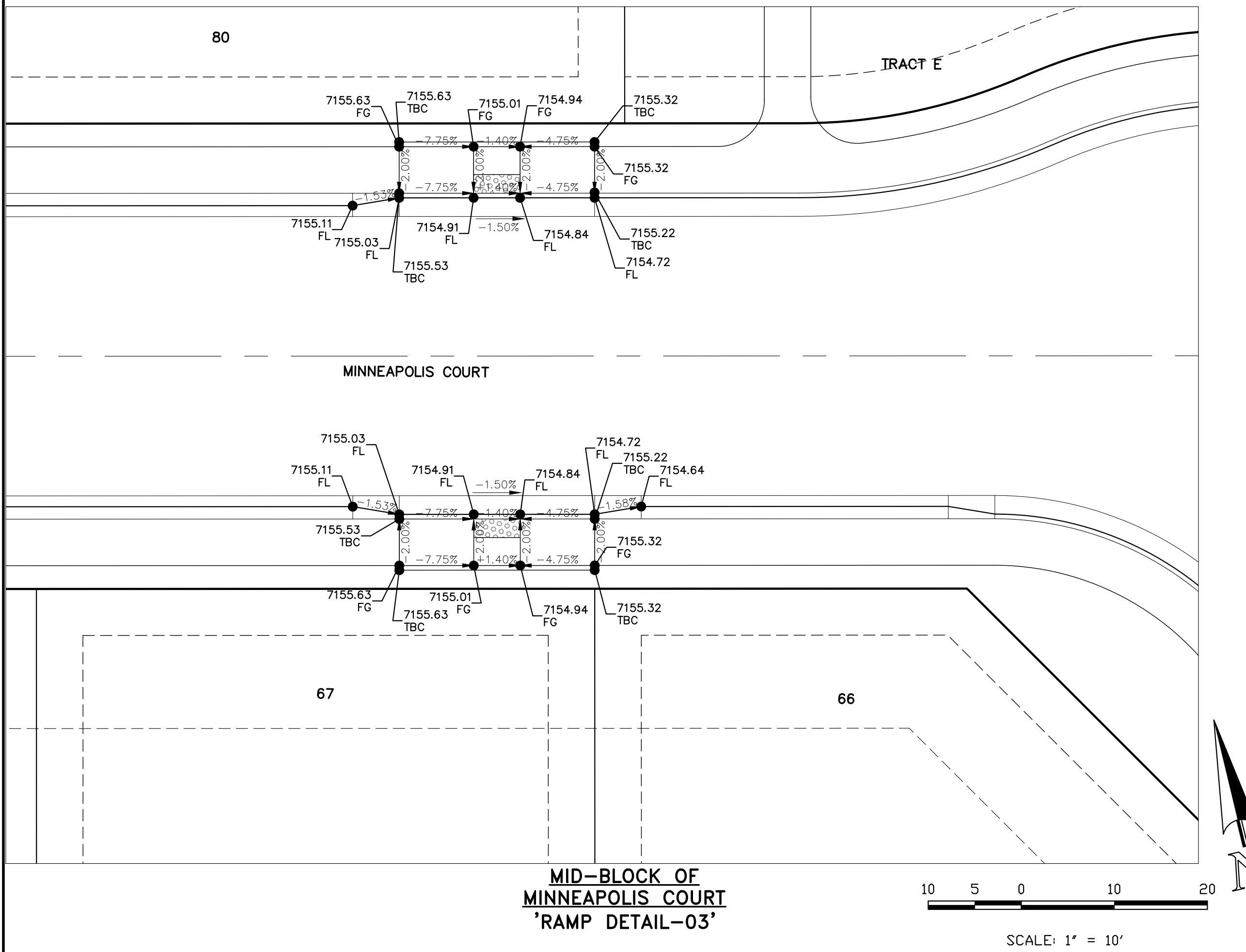
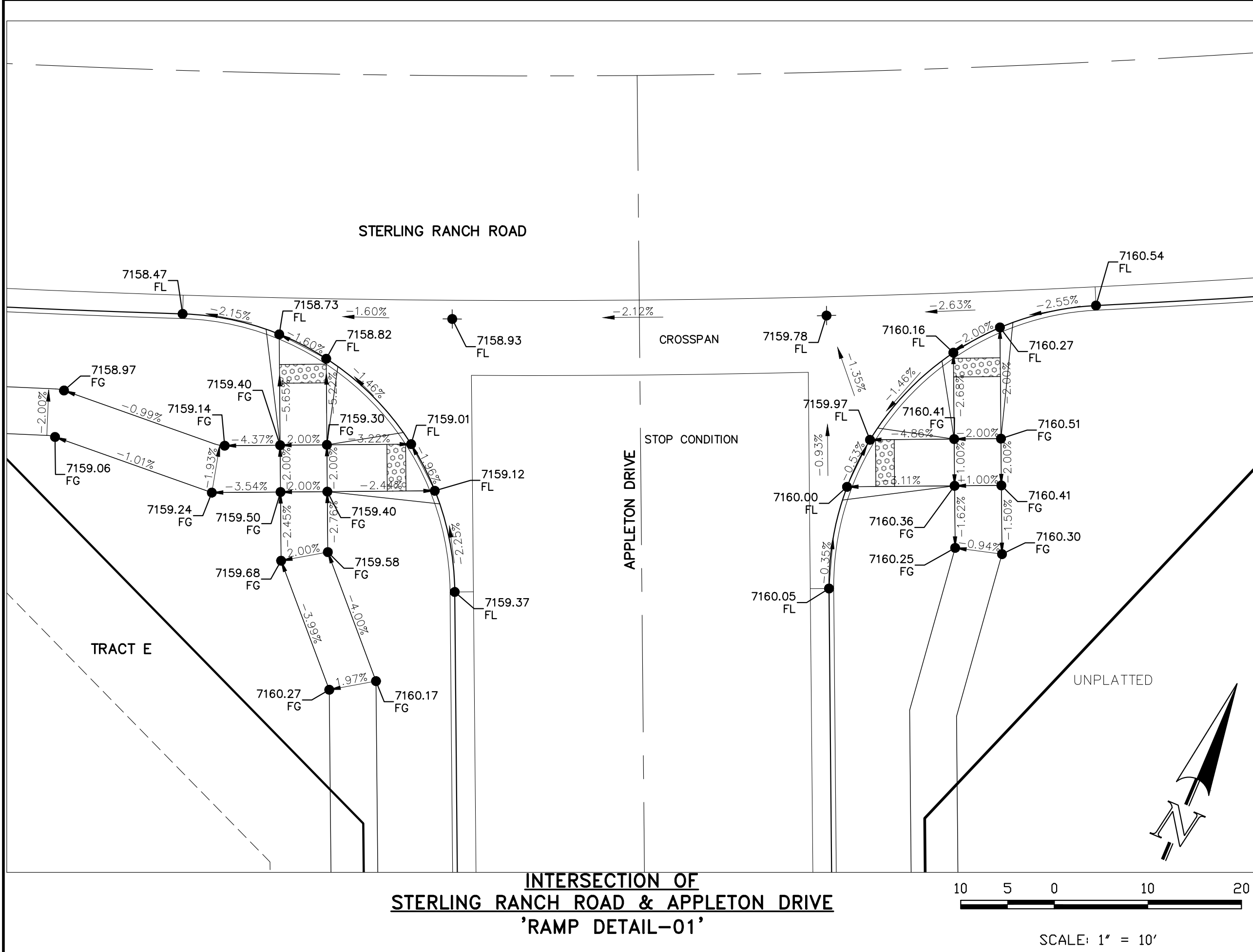
MARC A. WHORTON, COLORADO P.E. #37155 DATE



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

STERLING RANCH EAST FILING NO. 6
CONSTRUCTION PLANS
STREET IMPROVEMENT PLANS
BRIARGATE PARKWAY MEDIAN PLAN AND PROFILE

DESIGNED BY	PRA	SCALE	DATE 04/21/25
DRAWN BY	PRA	(H) 1"= 50'	SHEET 26 OF 49
CHECKED BY		(V) 1"= 5'	JOB NO. 1183.60



ADDED PROJ NO.

PCD No. SF-XXXX

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DATE

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DATE



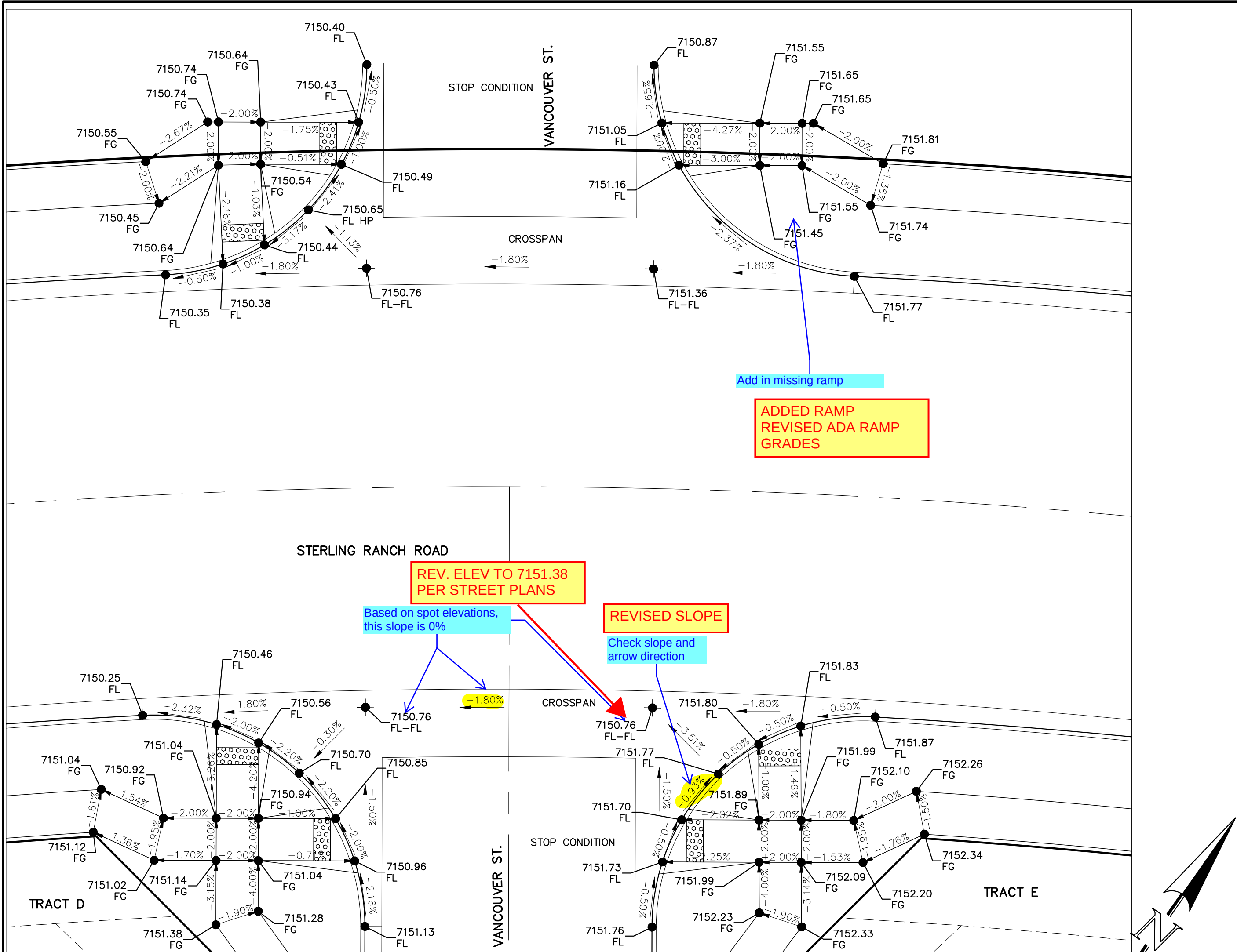
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

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

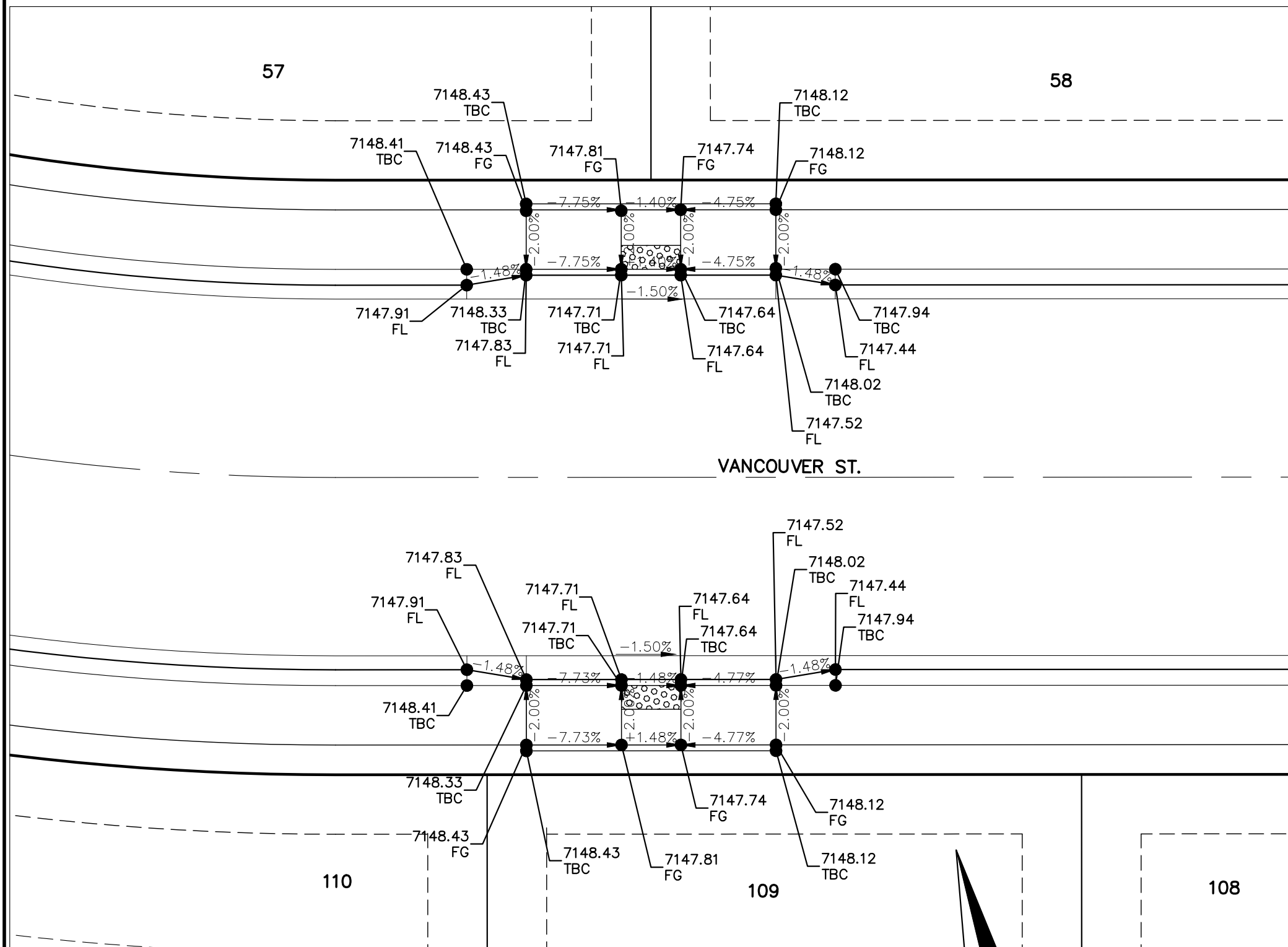
STERLING RANCH EAST FILING NO. 5
CONSTRUCTION PLANS
PEDESTRIAN RAMP DETAILS
RAMP DETAILS 01-03

DESIGNED BY	PRA	SCALE	DATE	5-1-2025
DRAWN BY	ESO	(H) 1"= 10'	SHEET	27 OF 49
CHECKED BY		(V) 1"= N/A	JOB NO.	1183.60

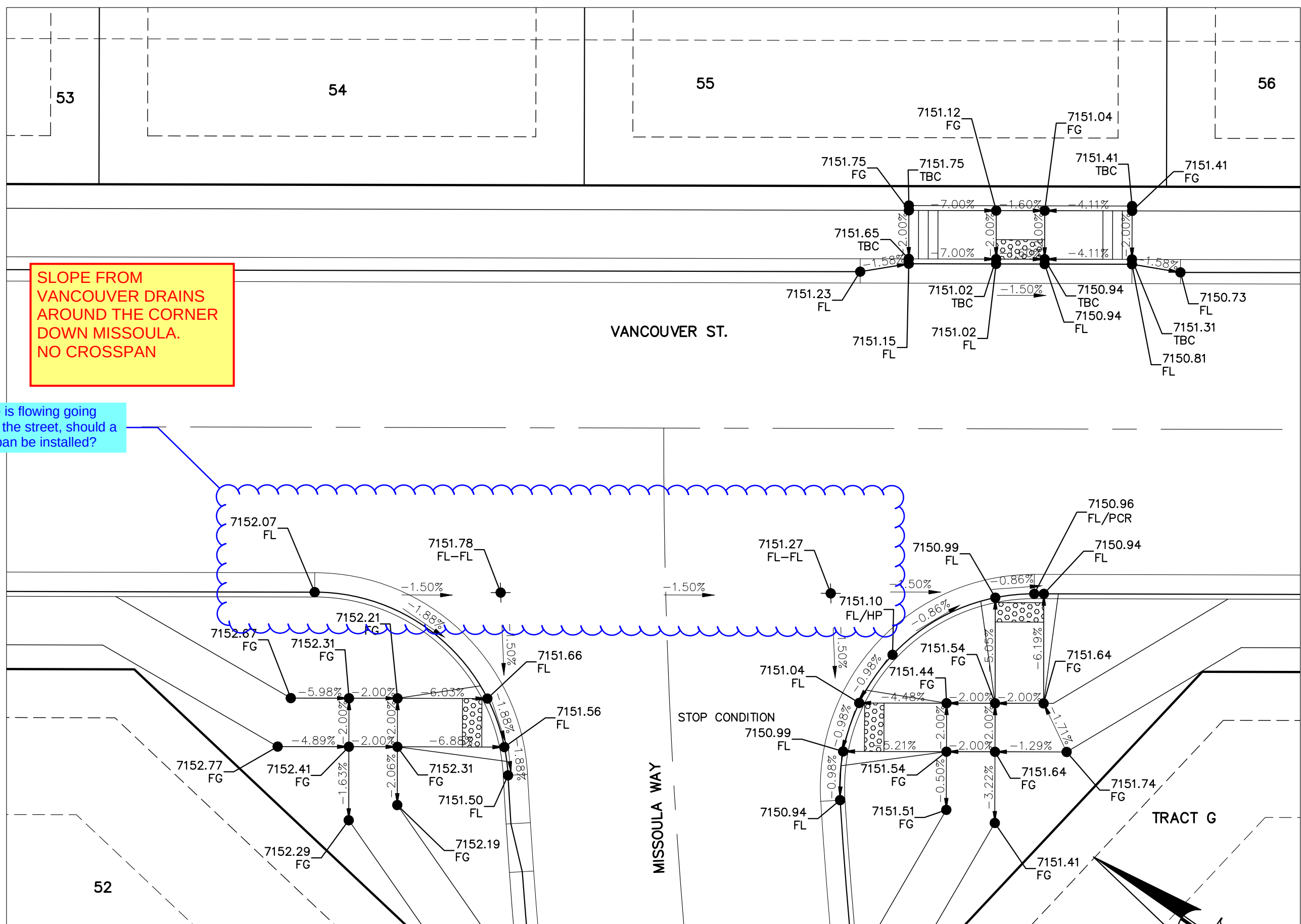




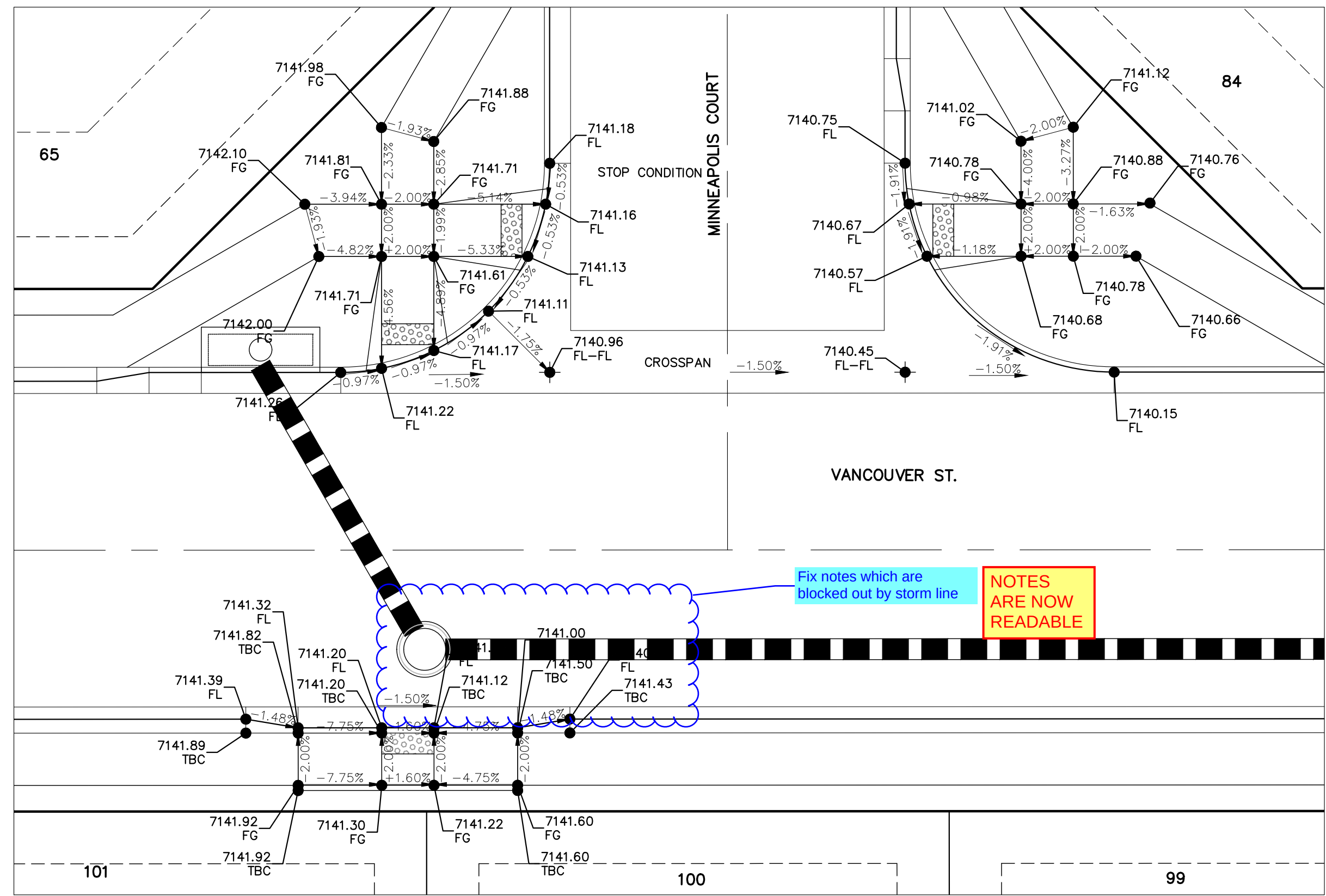
INTERSECTION OF
STERLING RANCH ROAD & VANCOUVER STREET
'RAMP DETAIL-04'



MID-BLOCK OF
VANCOUVER STREET
'RAMP DETAIL-03'



INTERSECTION OF
VANCOUVER STREET & MISSOULA WAY
'RAMP DETAIL-05'



INTERSECTION OF
VANCOUVER STREET & MINNEAPOLIS COURT
'RAMP DETAIL-05'

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UTILITY NOTIFICATION CENTER OF COLORADO
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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

MARC A. WHORTON, COLORADO P.E. #37155 DATE

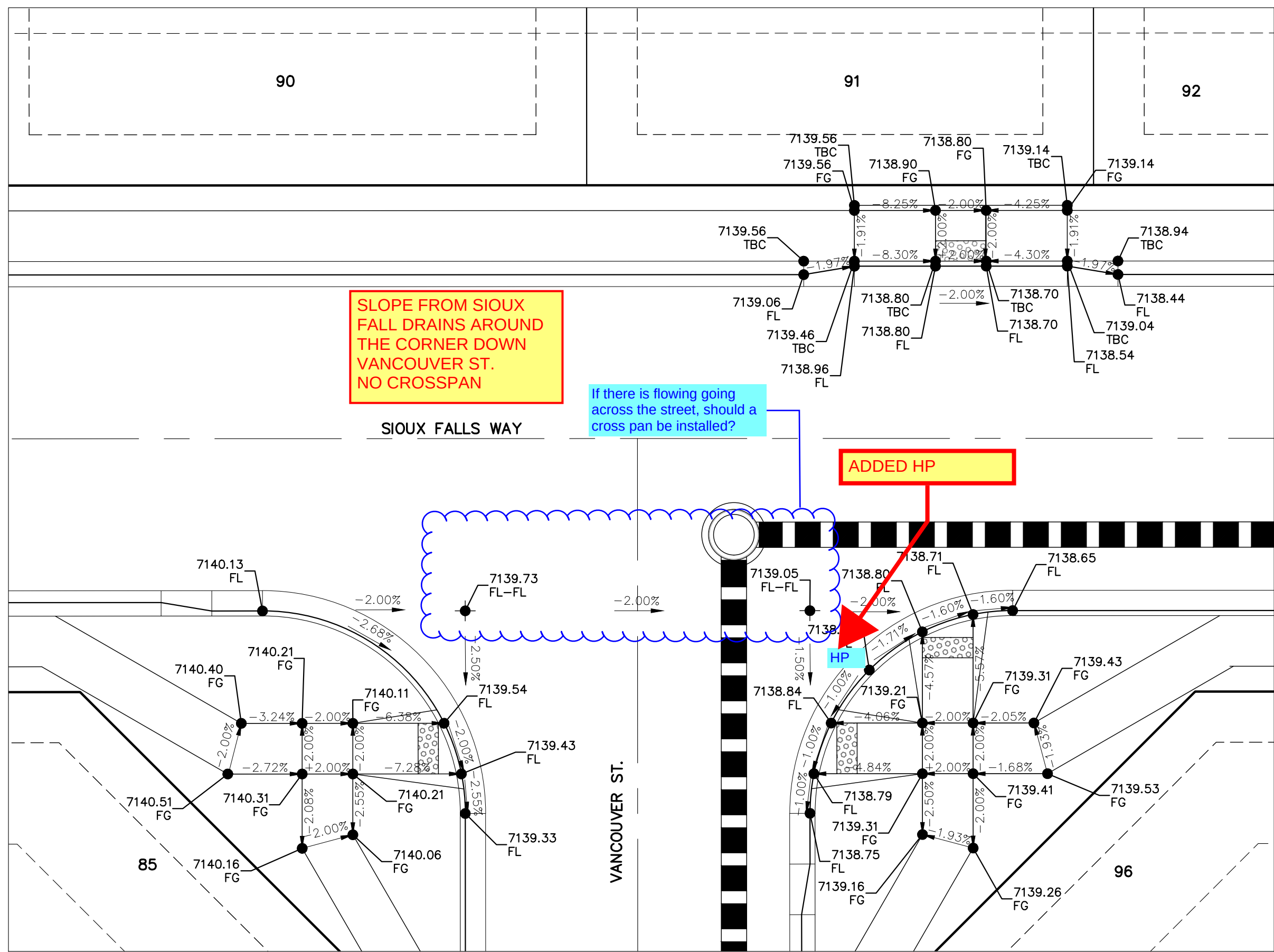


STERLING RANCH EAST FILING NO. 5
CONSTRUCTION PLANS
PEDESTRIAN RAMP DETAILS
RAMP DETAILS 04-07

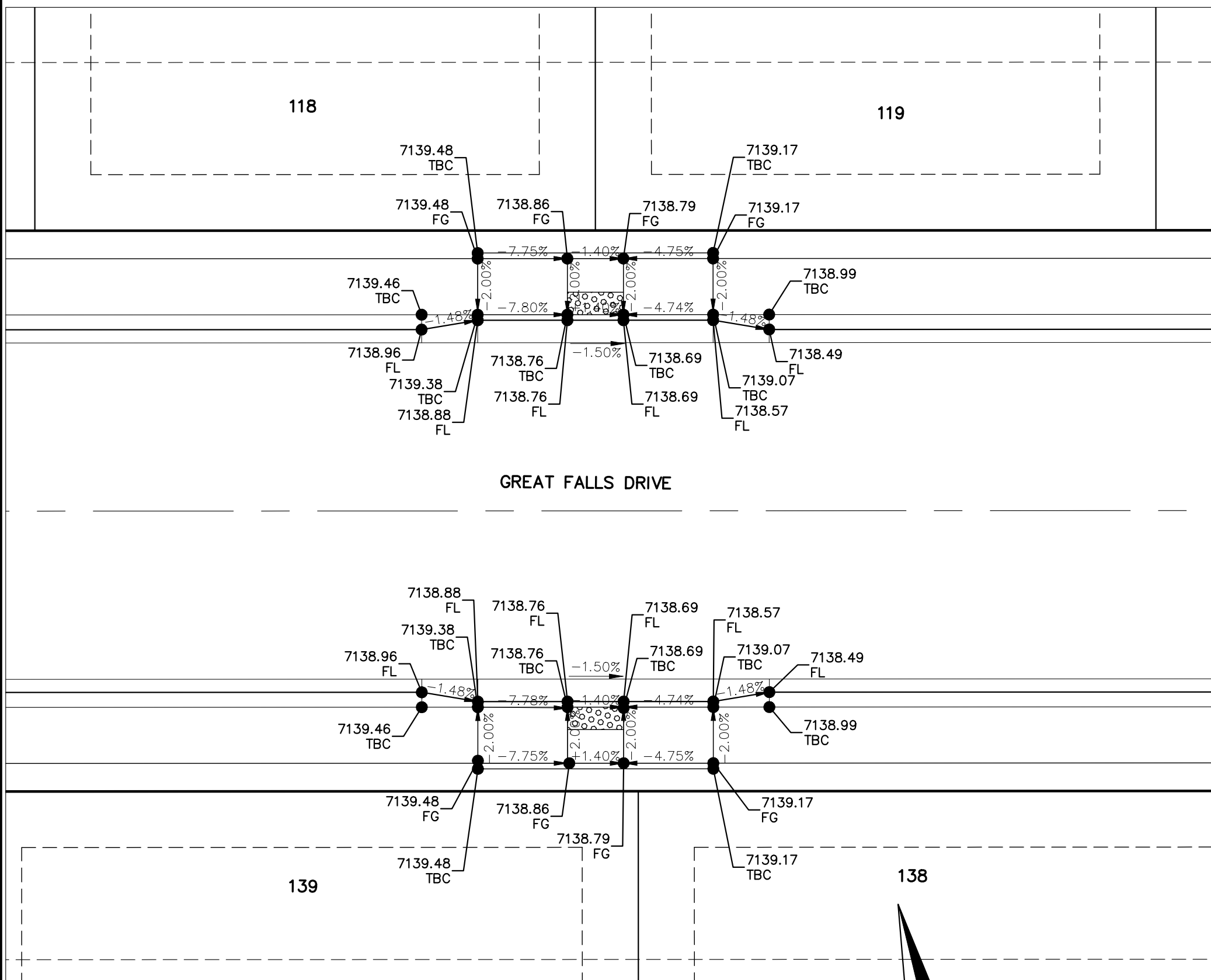
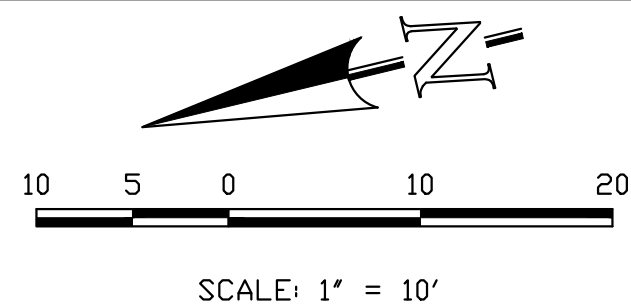
DESIGNED BY	PRA	SCALE	DATE	5-1-2025
DRAWN BY	ESO	(H) 1"= 10'	SHEET 28	OF 49
CHECKED BY	(V) 1"= N/A	JOB NO.	1183.60	

ADDED PROJ. NO.

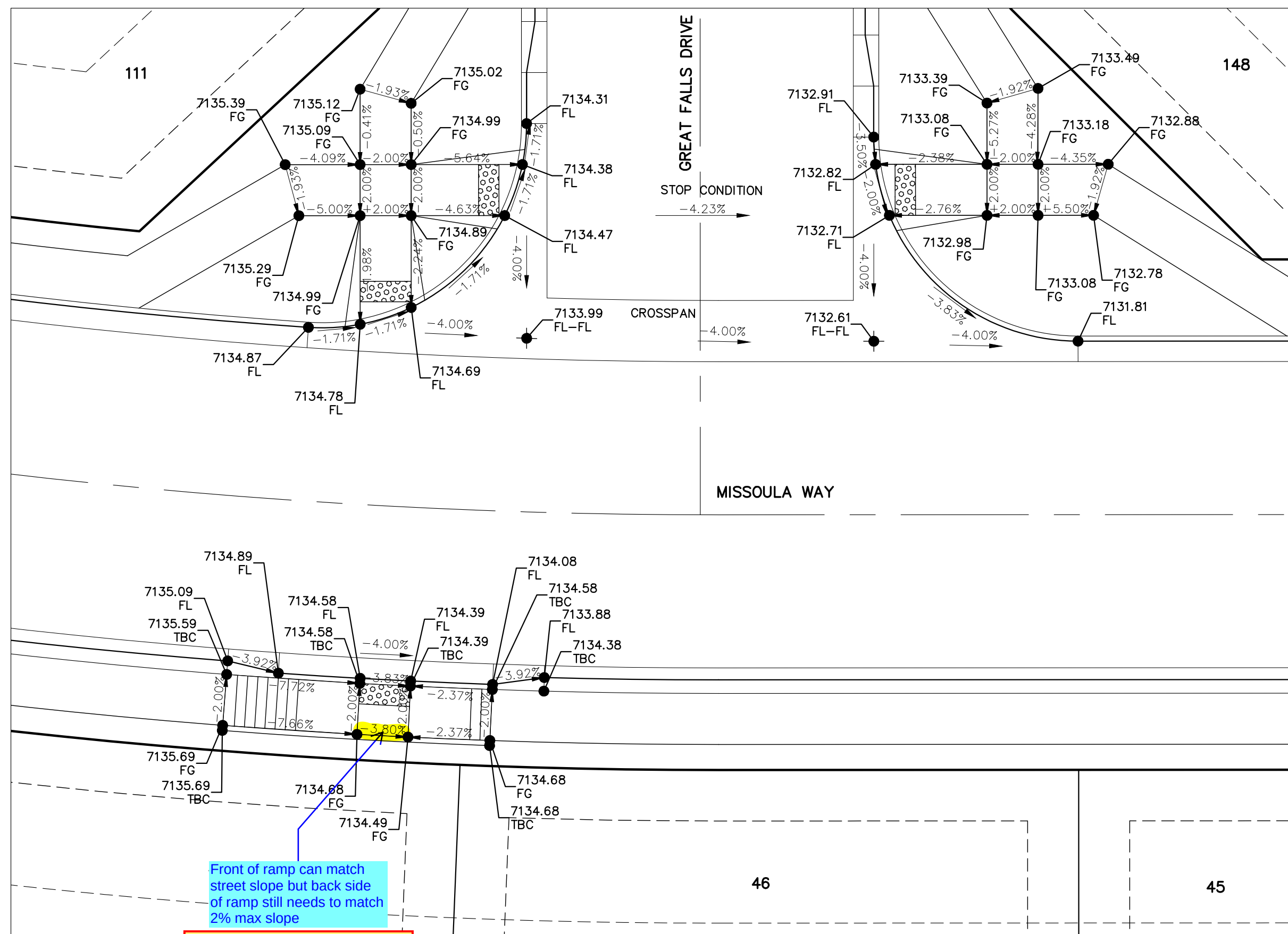
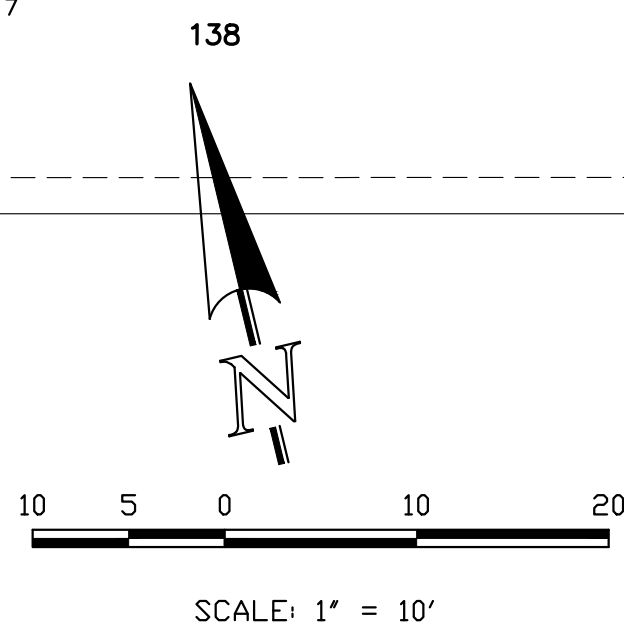
PCD No. SF-XXXX



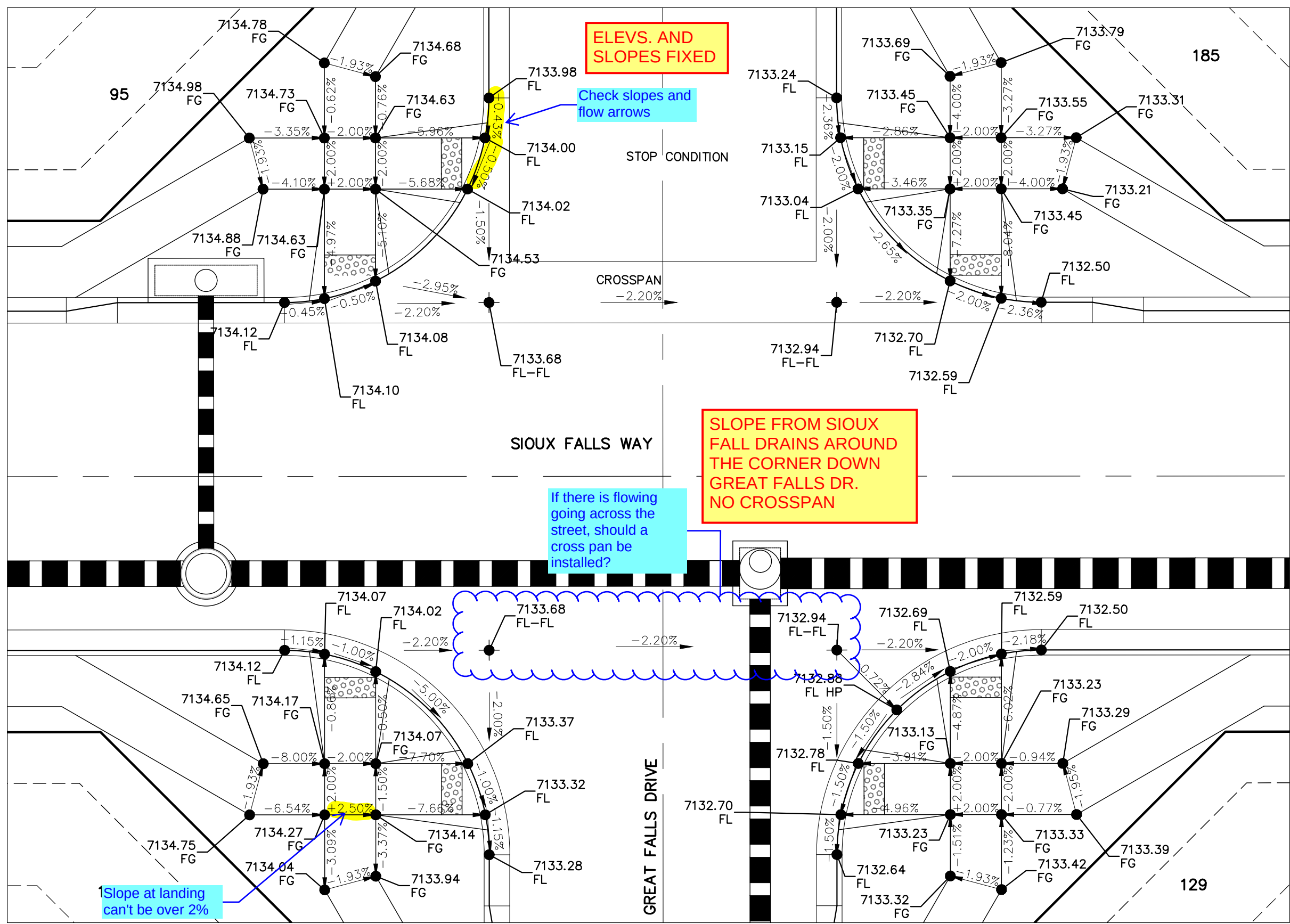
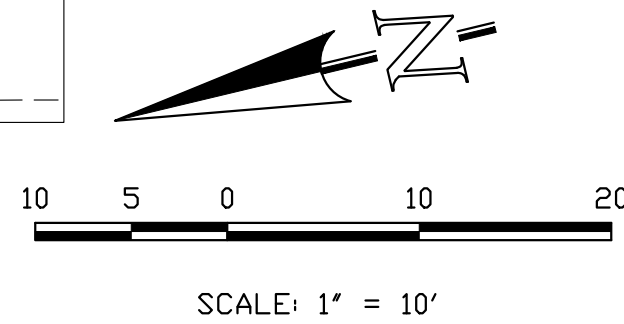
INTERSECTION OF
VANCOUVER STREET & SIOUX FALLS WAY
'RAMP DETAIL-08'



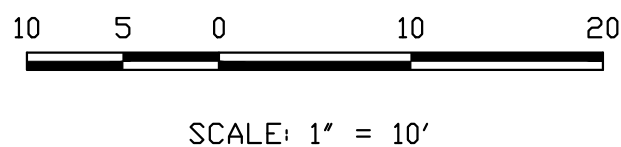
MID-BLOCK OF
GREAT FALLS DRIVE
'RAMP DETAIL-10'



INTERSECTION OF
MISSOULA WAY & GREAT FALLS DRIVE
'RAMP DETAIL-09'



INTERSECTION OF
GREAT FALLS DRIVE & SIOUX FALLS WAY
'RAMP DETAIL-11'



ADDED PROJ. NO.

PCD No. SF-XXXX

48 HOURS BEFORE YOU DIG,
CALL UTILITY LOCATORS
811

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DATE

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MARC A. WHORTON, COLORADO P.E. #37155

DATE



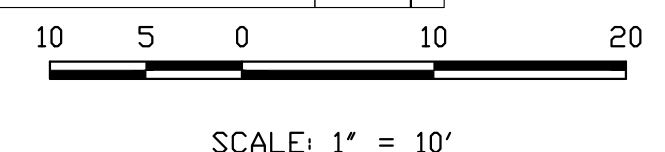
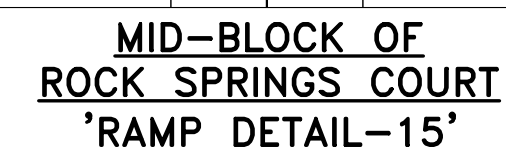
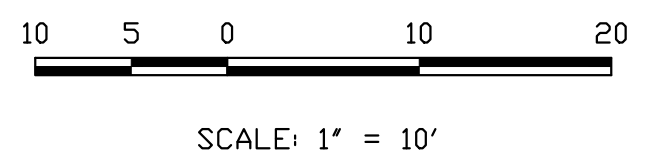
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

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

STRELING RANCH EAST FILING NO. 5
CONSTRUCTION PLANS
PEDESTRIAN RAMP DETAILS
RAMP DETAILS 08-11

DESIGNED BY	PRA	SCALE	DATE	5-1-2025
DRAWN BY	ESO	(H) 1"= 10'	SHEET 29	OF 49
CHECKED BY	(V) 1"= N/A	JOB NO.	1183.60	

CLASSIC
CONSULTING



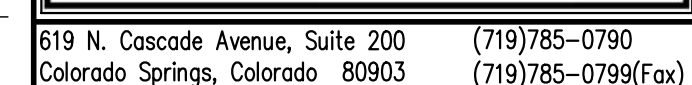
PCD No. SF-XXXX

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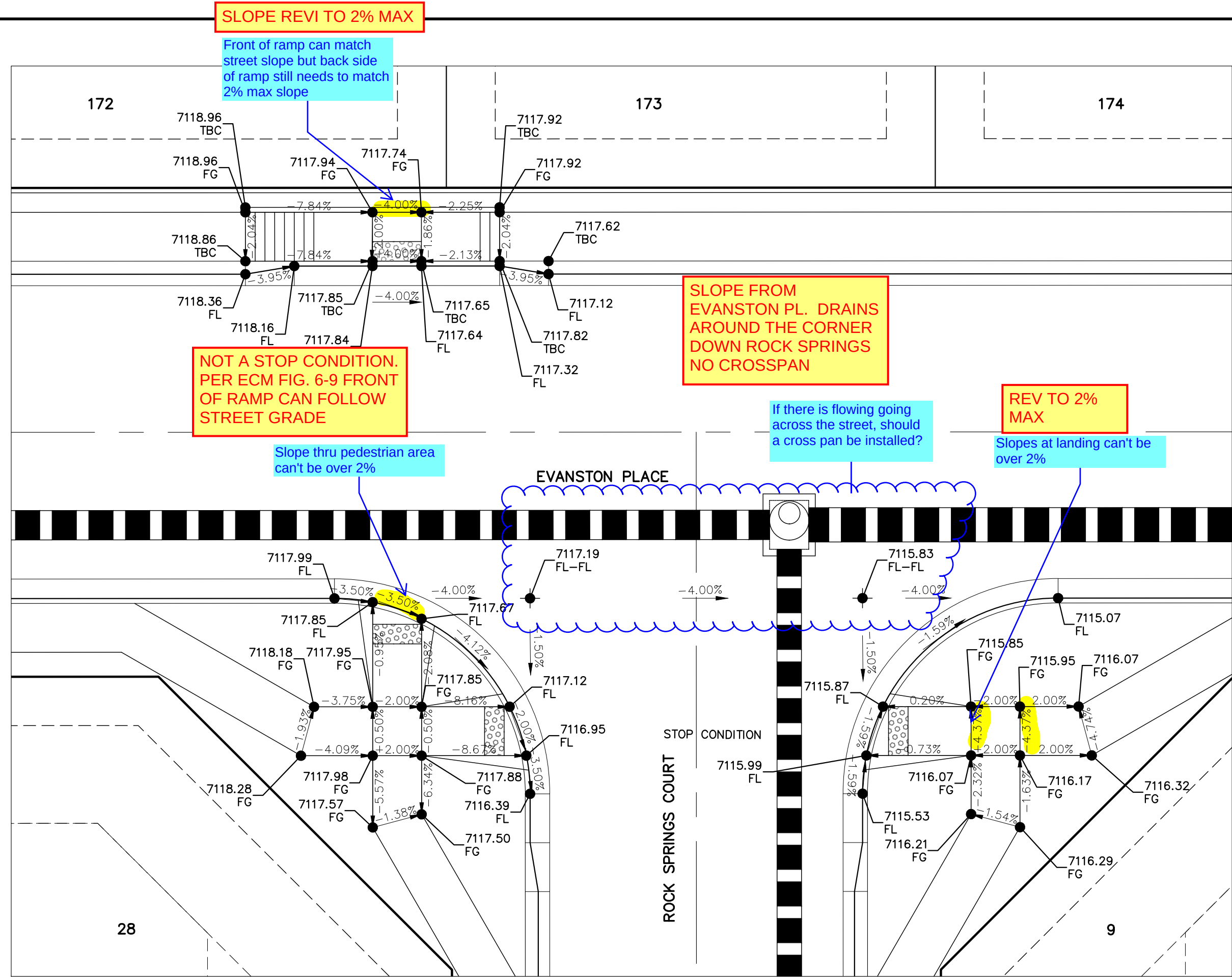
[illegible]

MARC A. WHORTON, COLORADO P.E. #37155 DATE

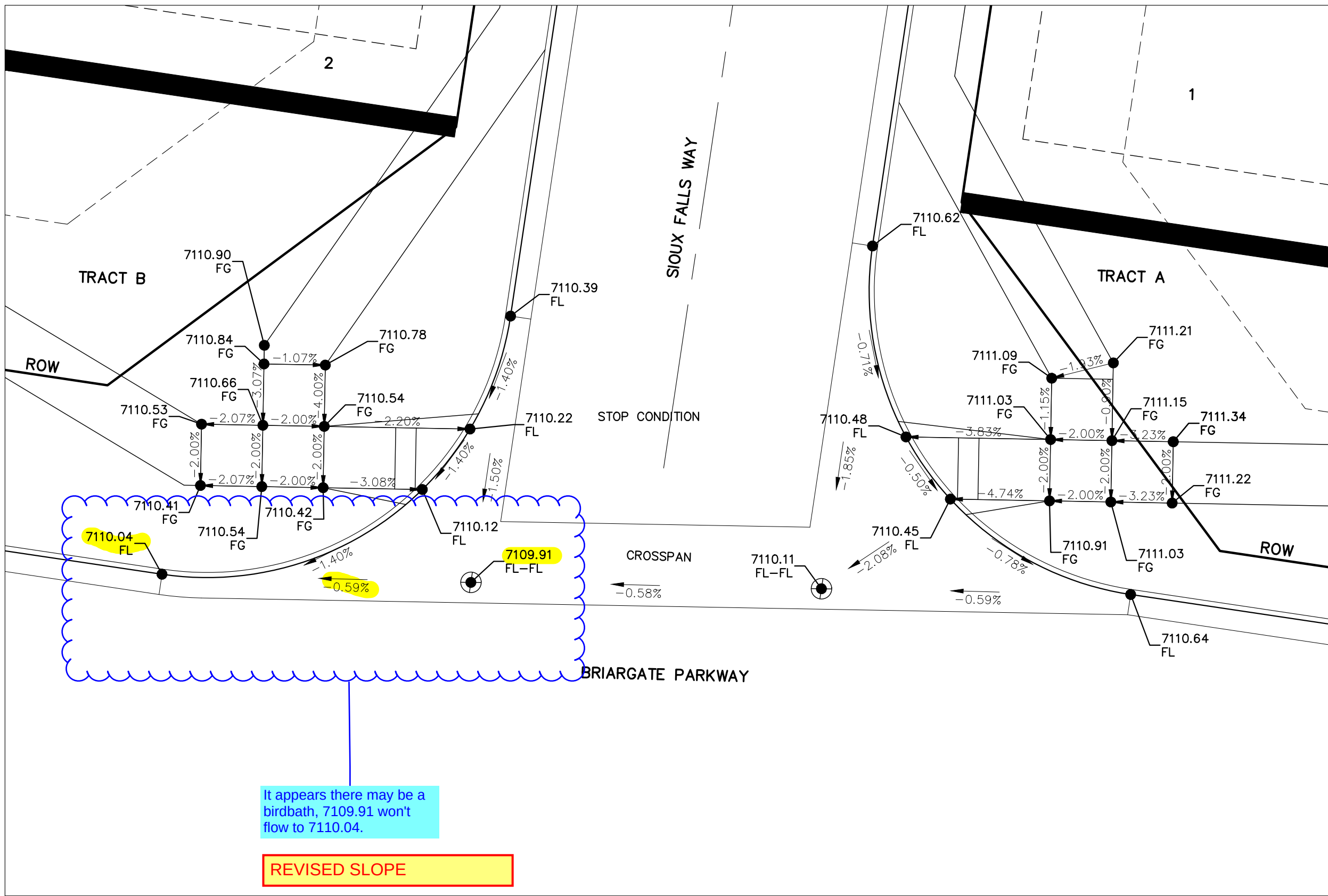
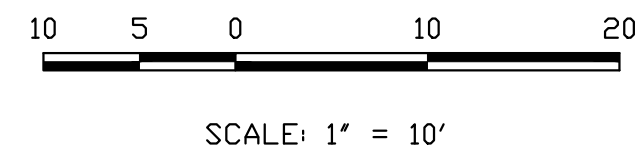
DATE _____



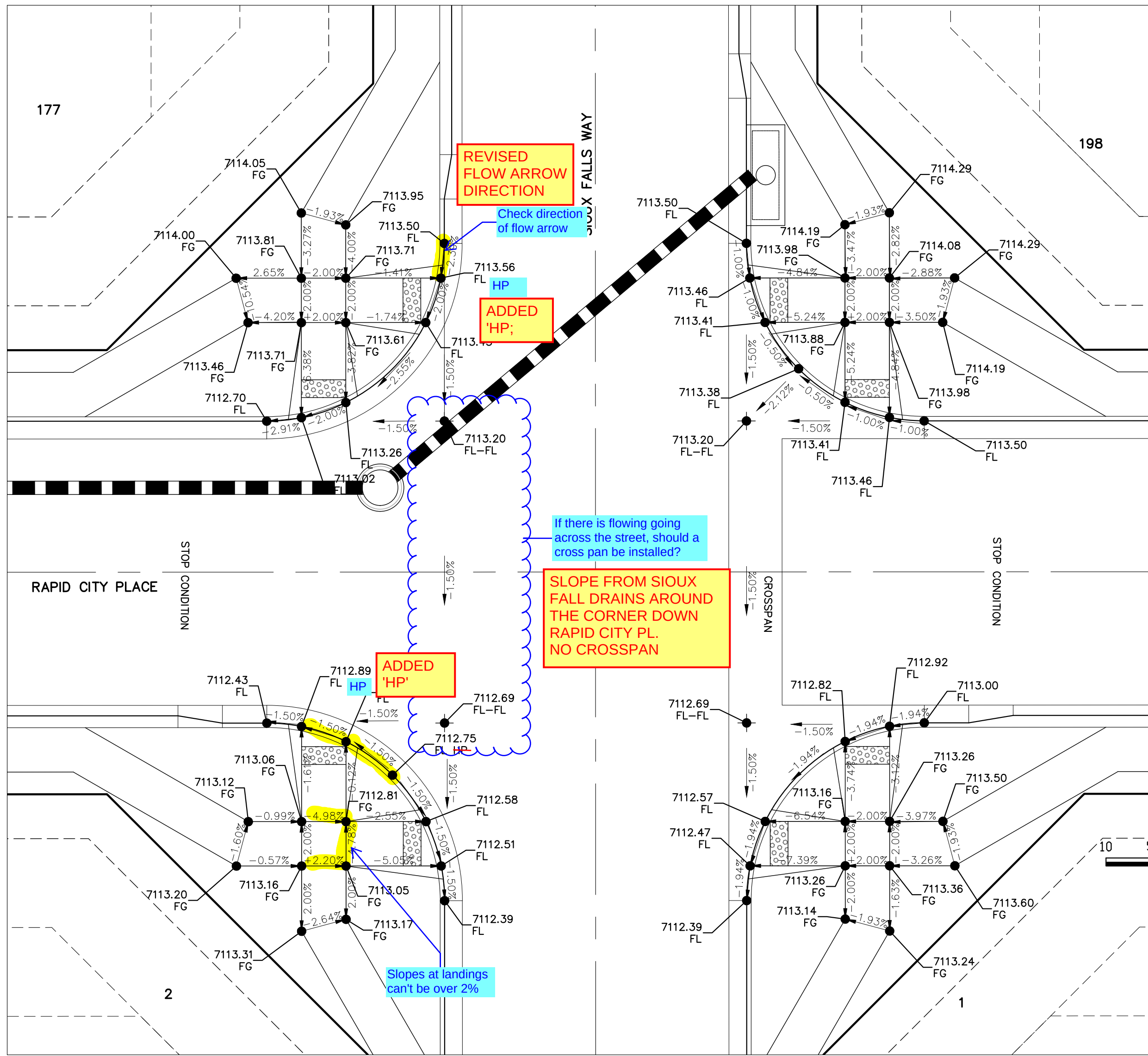
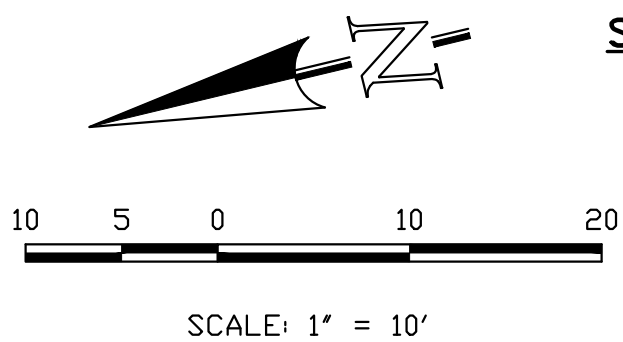
DESIGNED BY	PRA	SCALE	DATE	5-1-2025
DRAWN BY	ESO	(H) 1"= 10'	SHEET 30	OF 49
CHECKED BY		(V) 1"= N/A	JOB NO.	1183.60



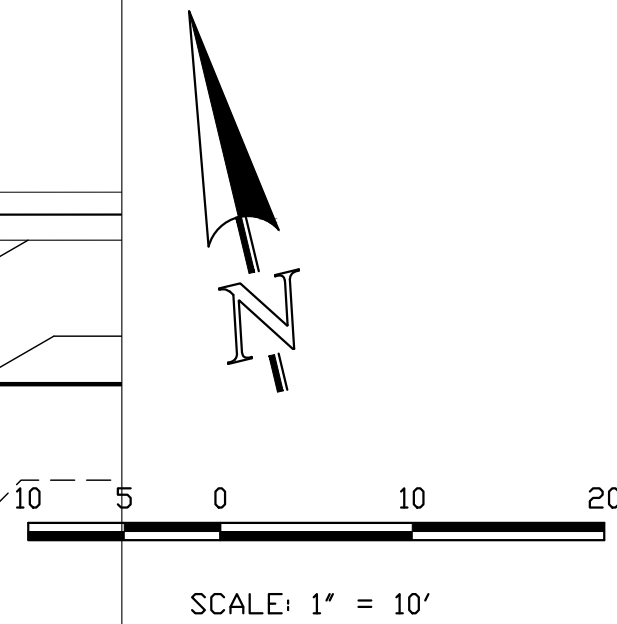
INTERSECTION OF
ROCK SPRINGS COURT & EVANSTON PLACE
'RAMP DETAIL-16'



INTERSECTION OF
SIOUX FALLS WAY & FUTURE BRIARGATE PARKWAY
'RAMP DETAIL-18'



INTERSECTION OF
RAPID CITY PLACE & SIOUX FALLS WAY
'RAMP DETAIL-17'



ADDED PROJ. NO.

PCD No. SF-XXXX

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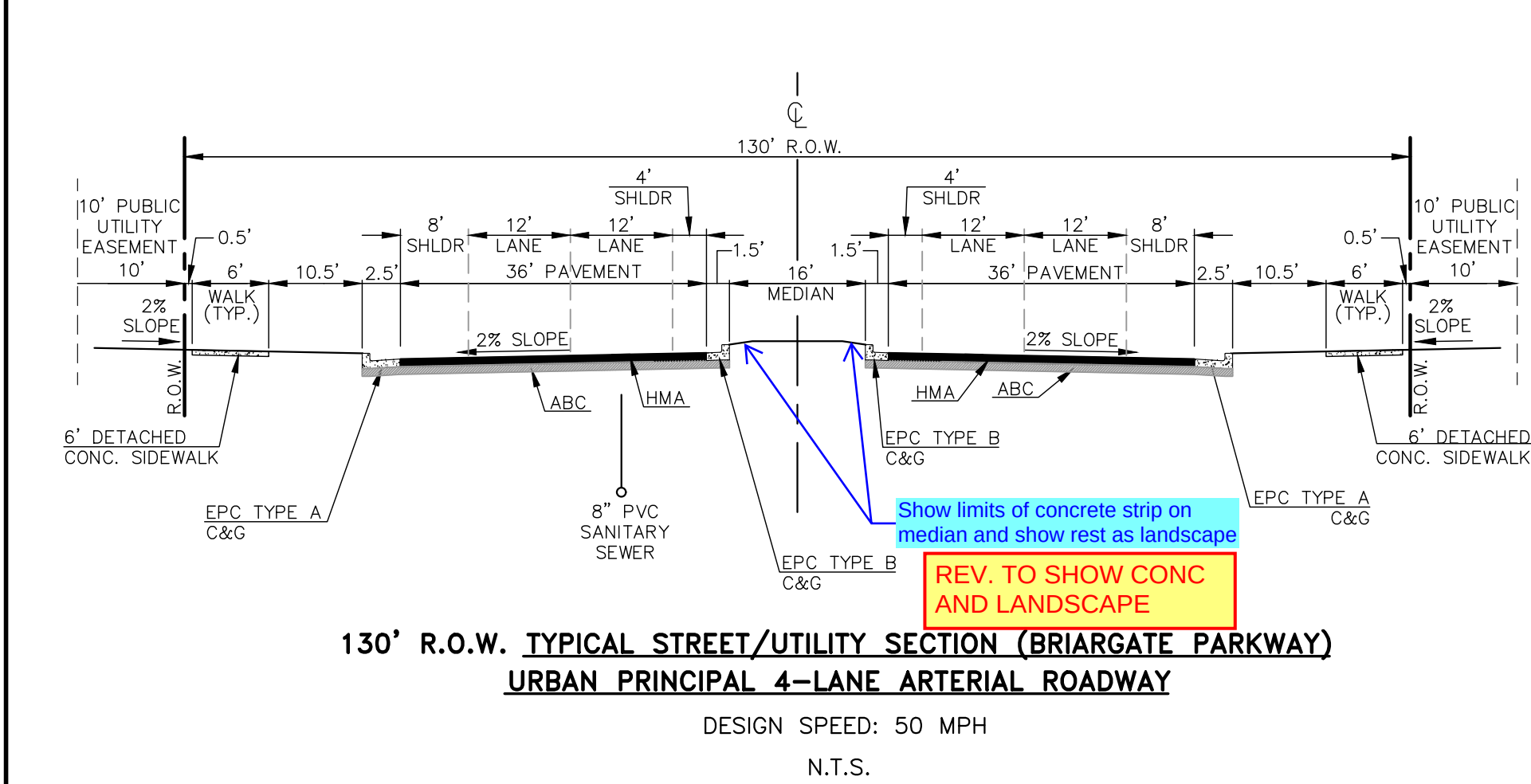
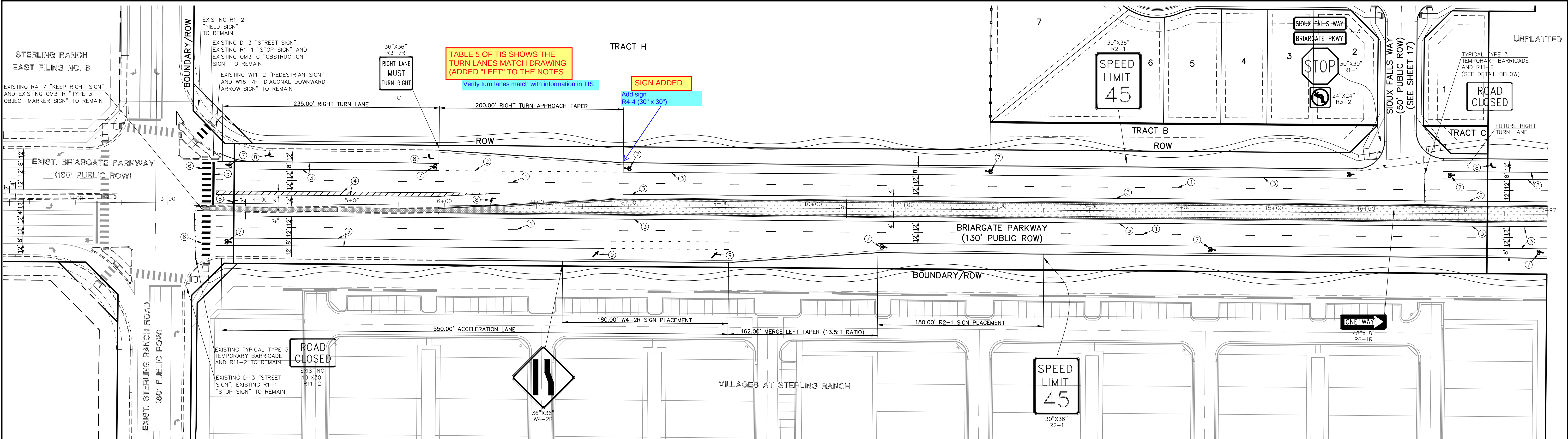
NO.	REVISION	DATE

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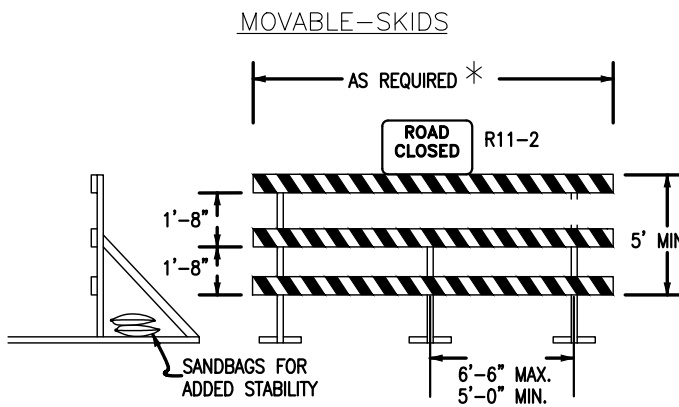
STRELING RANCH EAST FILING NO. 5 CONSTRUCTION PLANS PEDESTRIAN RAMP DETAILS RAMP DETAILS 16-18			
DESIGNED BY	PRA	SCALE	DATE 5-1-2025
DRAWN BY	ESO	(H) 1"= 10'	SHEET 31 OF 49
CHECKED BY		(V) 1"= N/A	JOB NO. 1183.60



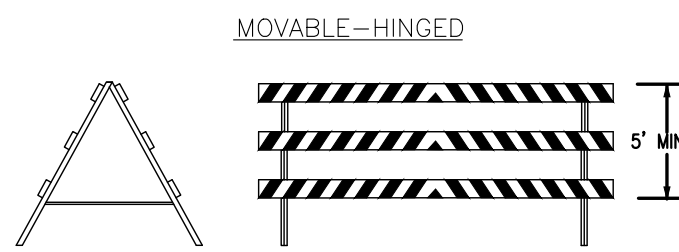


STATEMENTS:
EL PASO COUNTY RECOGNIZES THE DESIGN ENGINEER AS HAVING RESPONSIBILITY FOR THE DESIGN; THE COUNTY HAS LIMITED ITS SCOPE OF REVIEW ACCORDINGLY. RESUBMITTAL IS REQUIRED IF CONSTRUCTION HAS NOT COMMENCED WITHIN 180 DAYS OF REVIEW DATE.

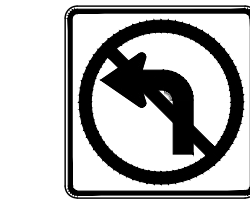
RAIL LENGTH TABLE *	
TYPE	LENGTH
F - A	8' - 14'
F - B	15' - 24'
F - C	25' - 35'
F - D	> 35'



- NOTES**
- TYPE 3 BARRICADES HAVE 3 REFLECTORIZED RAIL FACES FACING TRAFFIC IN ONE DIRECTION AND 6 IF FACING TRAFFIC IN TWO DIRECTIONS.
 - THE PORTION OF THE POST ABOVE THE GROUND LINE SHALL BE PAINTED IN ACCORDANCE WITH THE APPROPRIATE GENERAL NOTE.
 - DETACHABLE EXTENSION WING RAILS FOR BYPASSING OF CONSTRUCTION EQUIPMENT ARE PERMITTED, WHEN NECESSARY, ON FIXED OR MOVABLE TYPE 3 BARRICADES. THE LENGTH SHALL BE ADEQUATE TO CLOSE THE BORROW PIT AND/OR SHOULDER AS REQUIRED.



TYPICAL TYPE 3 BARRICADES



NO LEFT TURN (R3-2)



RIGHT LANE MUST TURN RIGHT (R3-7R) 36"X36"



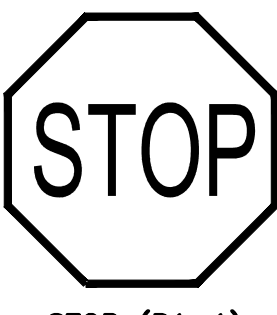
ONE WAY (R6-1R) 48"X18"



LANE MERGE (W4-2R) 36"X36"



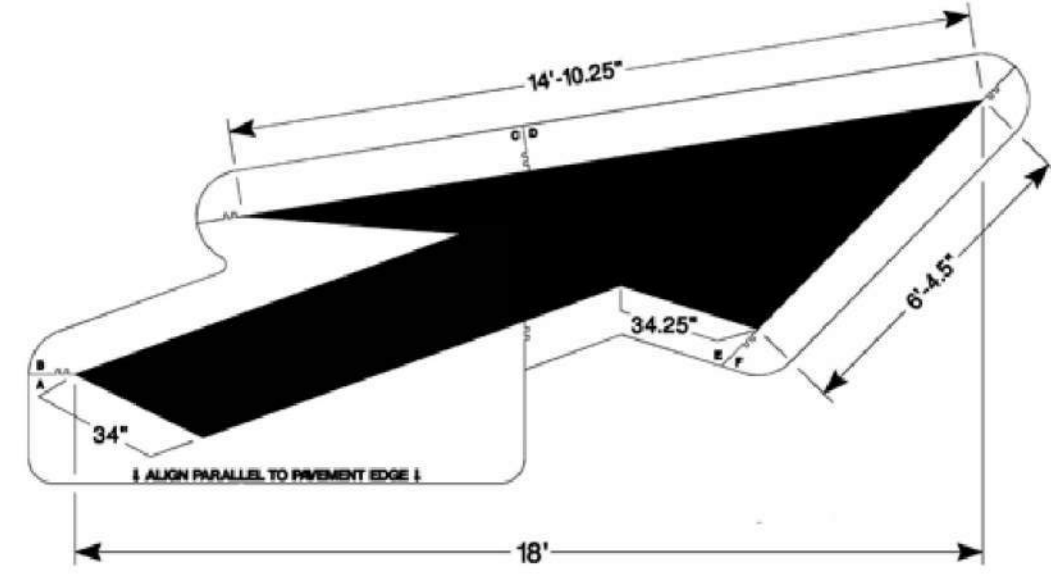
STREET NAME (D-3)



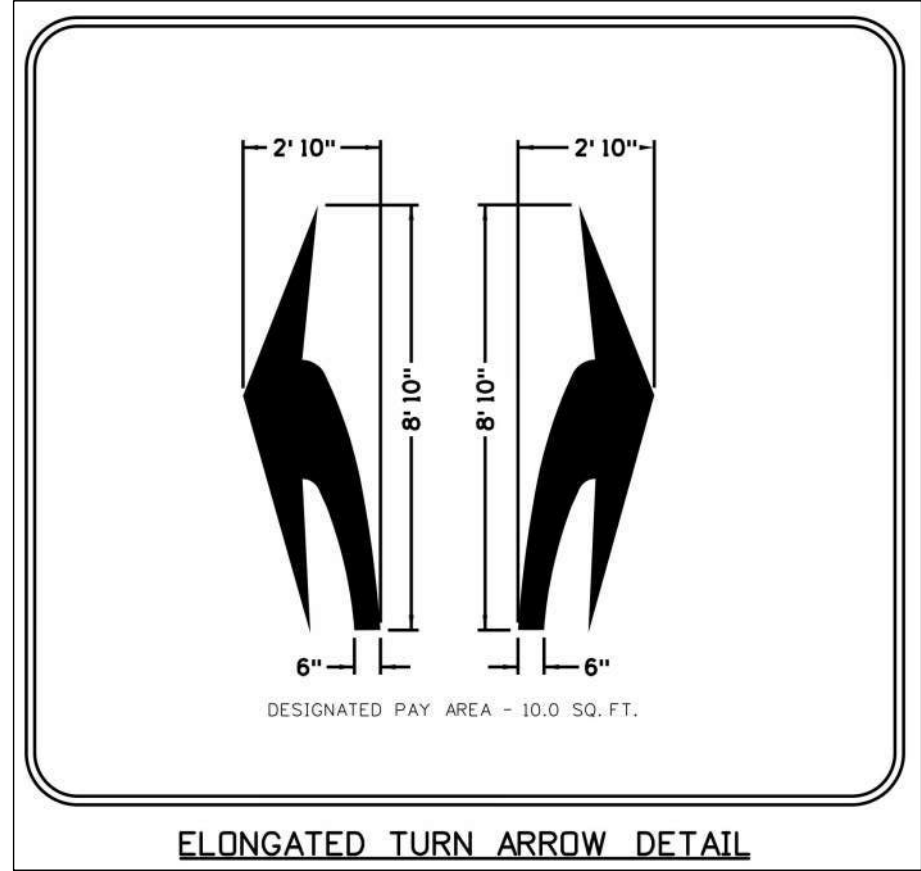
STOP (R1-1)

NOTE:

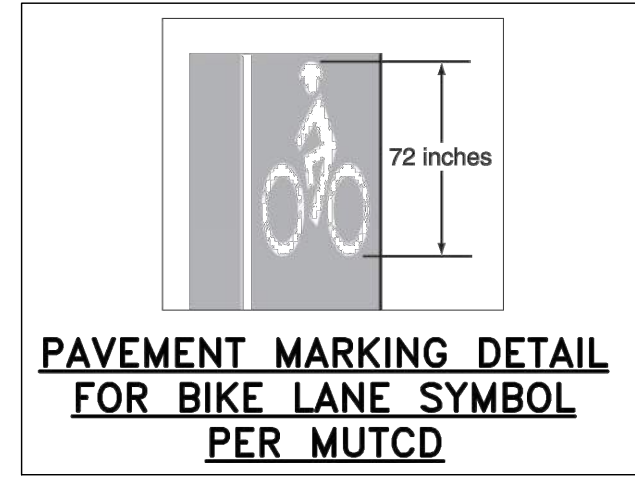
6" LETTERS ON STREET NAME SIGNS INTERSECTING STREETS OF 30 TO 40 MPH'S.
8" LETTERS ON STREET NAME SIGNS INTERSECTING STREETS OF GREATER THAN 40 MPH.



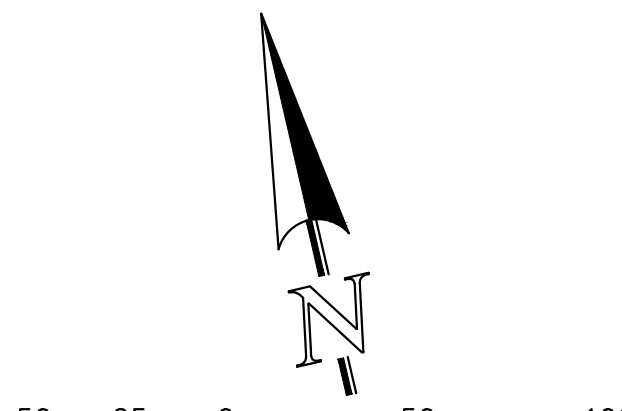
LANE REDUCTION ARROW



ELONGATED TURN ARROW DETAIL



PAVEMENT MARKING DETAIL FOR BIKE LANE SYMBOL PER MUTCD



SCALE: 1" = 50'

PROJ. NO. ADDED

NOTE TO CONTRACTOR

ALL 4", 6" & 8" SOLID OR SKIP PAVEMENT MARKING SHALL BE EPOXY.

STOP BAR, CROSSWALK LINES, YIELD LINE TRIANGLE MARKINGS, LEFT/RIGHT TURN ARROWS, BIKE LANE SYMBOL, TURN & THROUGH LANE-USE ARROW AND YIELD WORD MARKING SHALL BE 90 MIL PREFORMED THERMOPLASTIC PAVEMENT MARKING TYPE B.

ALL SIGNAGE INSTALLATION IS TO BE IN COMPLIANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

SIGN POLES SHALL BE PER CDOT STANDARDS S-614-8, S-614-2, AND S-614-3, LATEST REVISION.

STRIPING LEGEND		
STRIPE O	PAVEMENT MARKINGS	MARKING DESCRIPTION
1	LANE LINES	BROKEN WHITE, 4" WIDE-10' SEGMENTS WITH 30' GAPS
2	LANE DROP LINES	BROKEN WHITE, 4" WIDE-3' SEGMENTS WITH 12' GAPS
3	EDGE/BIKE LANE LINES	SOLID WHITE, 4" WIDE
4	CHANNELIZING LINES	SOLID WHITE, 8" WIDE
5	STOP BAR	SOLID WHITE, 24" WIDE
6	CROSSWALK LINES	SOLID WHITE, 2" WIDE, 9' LONG, 48" GAPS
7	BIKE LANE SYMBOL PAVEMENT MARKINGS	SEE BIKE LANE SYMBOL DETAIL TO RIGHT
8	TURN ARROW PAVEMENT MARKINGS	SEE TURN ARROW DETAIL TO RIGHT
9	LANE REDUCTION ARROW	SEE MERGE ARROW TO RIGHT

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CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, COLORADO P.E. #37155

DATE

CLASSIC CONSULTING

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

(719) 785-0790
(719) 785-0799 (fax)

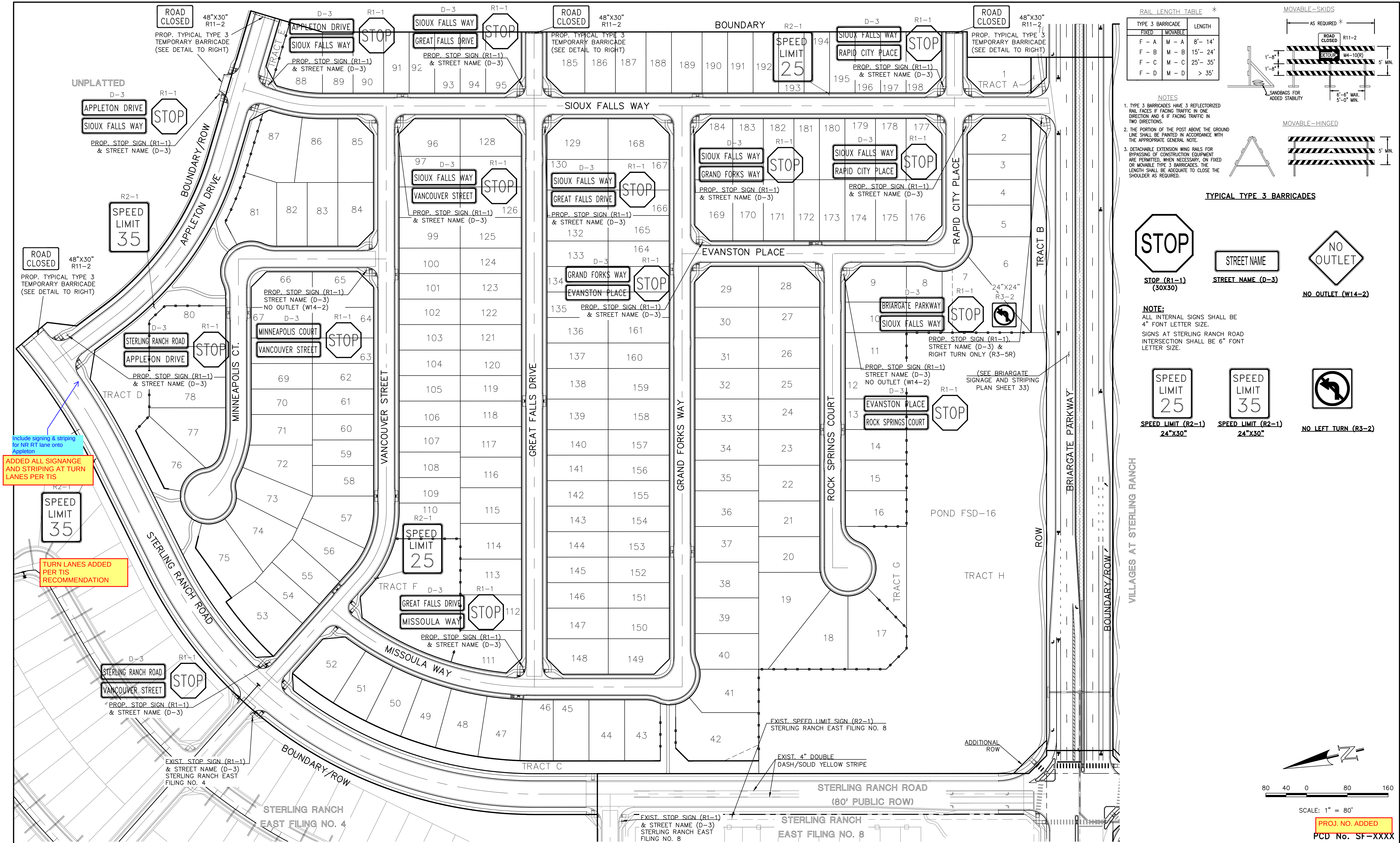
STERLING RANCH EAST FILING NO. 6
CONSTRUCTION PLANS

BRIARGATE PARKWAY PLAN AND PROFILE

DESIGNED BY	PRA	SCALE	DATE	04/21/25
DRAWN BY	PRA	(H) 1" = 50'	SHEET	32 OF 49
CHECKED BY		(V) 1" = 5'	JOB NO.	1183.60

CLASSIC CONSULTING

N:\118380\DRAWINGS\CONSTRUCTION\33-118380-SIGNAGE-PLAN.dwg, 5/12/2026 3:39:23 PM, 1:1, KS



ADDED ALL SIGNAGE AND STRIPING AT TURN LANES PER TIS

TURN LANES ADDED PER TIS RECOMMENDATION

Include signing & striping for NR RT lane onto Appleton

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS 811 UTILITY NOTIFICATION CENTER OF COLORADO 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 <table border="1"><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></table>											DATE <table border="1"><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></table>											REVIEW: PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC MARC. A. WHORTON, COLORADO P.E. #37155 DATE	CLASSIC CONSULTING 619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903 (719) 785-0790 (719) 785-0799 (Fax)	STERLING RANCH EAST FILING NO. 6 CONSTRUCTION PLANS SIGNAGE PLAN <table border="1"><tr><td>DESIGNED BY</td><td>PRA</td><td>SCALE</td><td>DATE</td><td>5-1-2025</td></tr><tr><td>DRAWN BY</td><td>ESO</td><td>(H) 1" = 80'</td><td>SHEET</td><td>33 OF 49</td></tr><tr><td>CHECKED BY</td><td>(V) 1" = N/A</td><td>JOB NO.</td><td colspan="2">1183.60</td></tr></table>	DESIGNED BY	PRA	SCALE	DATE	5-1-2025	DRAWN BY	ESO	(H) 1" = 80'	SHEET	33 OF 49	CHECKED BY	(V) 1" = N/A	JOB NO.	1183.60	
DESIGNED BY	PRA	SCALE	DATE	5-1-2025																																					
DRAWN BY	ESO	(H) 1" = 80'	SHEET	33 OF 49																																					
CHECKED BY	(V) 1" = N/A	JOB NO.	1183.60																																						



American Revolution LED Series 247L

PRODUCT OVERVIEW



Applications:

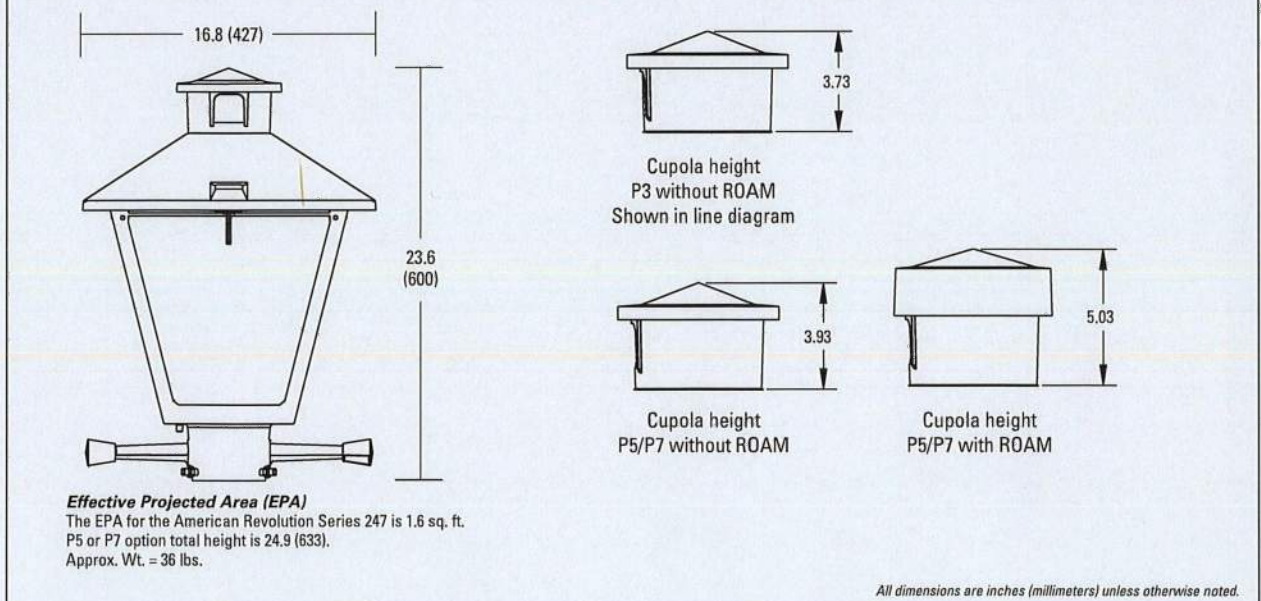
Streetscapes
Walkways
Pathways
Parks

Features:

- Die-cast aluminum housing and hood for long-life performance
- Die-cast trigger latch (TL) and captive thumb screws option available for easy access to internal components
- Optical assembly designed for maximum performance, available in Type II, Type III and Type V
- Hinged hood and captive thumb screws provision afford quick, easy access to electrical and optical area for servicing
- Slipfitter with three set screws allows secure installation to pole sizes 2-3/8" or 3" O.D.
- Surge protection device (standard) exceeds ANSI C82.41 Category C1 criteria (surge tested at 10kV/5kA)
- Complies with ANSI: C136.2, C136.10, C136.15
- CSA listed and suitable for up to 30°C ambient
- Rated L70, LED life greater than 100,000 hours at 25°C
- Replaces up to 150W HPS light source incandubant models
- LED electronic 0V-10V dimmable driver
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/DPL to confirm which versions are qualified.

MVEA Spec * 247L 10LEDE10 MVOLT 4K RS AY PCLL

DIMENSIONS



Note: Specifications subject to change without notice.
American Revolution Series 247L LED

AEL American Electric Lighting

American Revolution LED Series 247L

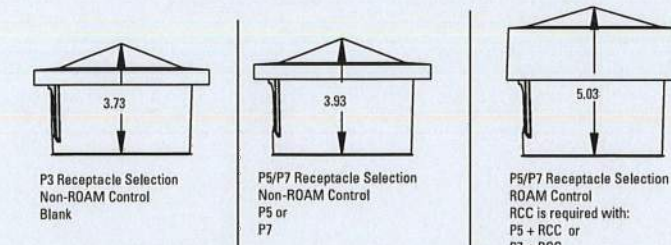
ORDERING INFORMATION

Example: 247L 20LEDE70 MVOLT 4K RS AY

Series	Performance Package	Voltage	Color Temperature (CCT)
247L American Revolution LED	20LEDE10 20 Chips, 1050 mA Driver, 72 input watts 20LEDE70 20 Chips, 700 mA Driver, 45 input watts 10LEDE10 10 Chips, 1050 mA Driver, 36 input watts 10LEDE70 10 Chips, 700 mA Driver, 25 input watts 10LEDE35 10 Chips, 350 mA Driver, 13 input watts 10LEDE36 10 Chips, 350 mA Driver, 13 input watts	MVOLT Multi-volt, 120-277V 247 247V 480 480V	3K 3000K 4K 4000K 5K 5000K

Distribution	Options	Options	Options
R2 Type II R3 Type III R5 Type V	AY Acrylic PY Polycarbonate	ELIST (blank) GY Gray DB Dark Bronze WH White BZ Bronze	Miscellaneous SS Stainless steel hardware NL NEMA Label TL Not CSA Listed TL Tool-less Entry LDR Ladder Rest SH Shorting Cap SHK Not CSA Listed Shorting Cap HSB House Side Shield Black HSW House Side Shield White GR Enhanced Corrosion Resistant Finish RCC ROAM Dimming Node Cupola Cover
	Photocontrol (blank) 3 pin NEMA Photocontrol NR 1 No Photocontrol PS 1 5 pin NEMA Photocontrol P7 1 7 pin NEMA Photocontrol PCLL 1 Solid State Long Life Photocontrol PCSS 1 Not CSA Listed Solid State Long Life Photocontrol (120-277V)		Accessories RNCS7 ROAM Dimming Node Cupola Cover

Cupola size based on type of control and receptacle

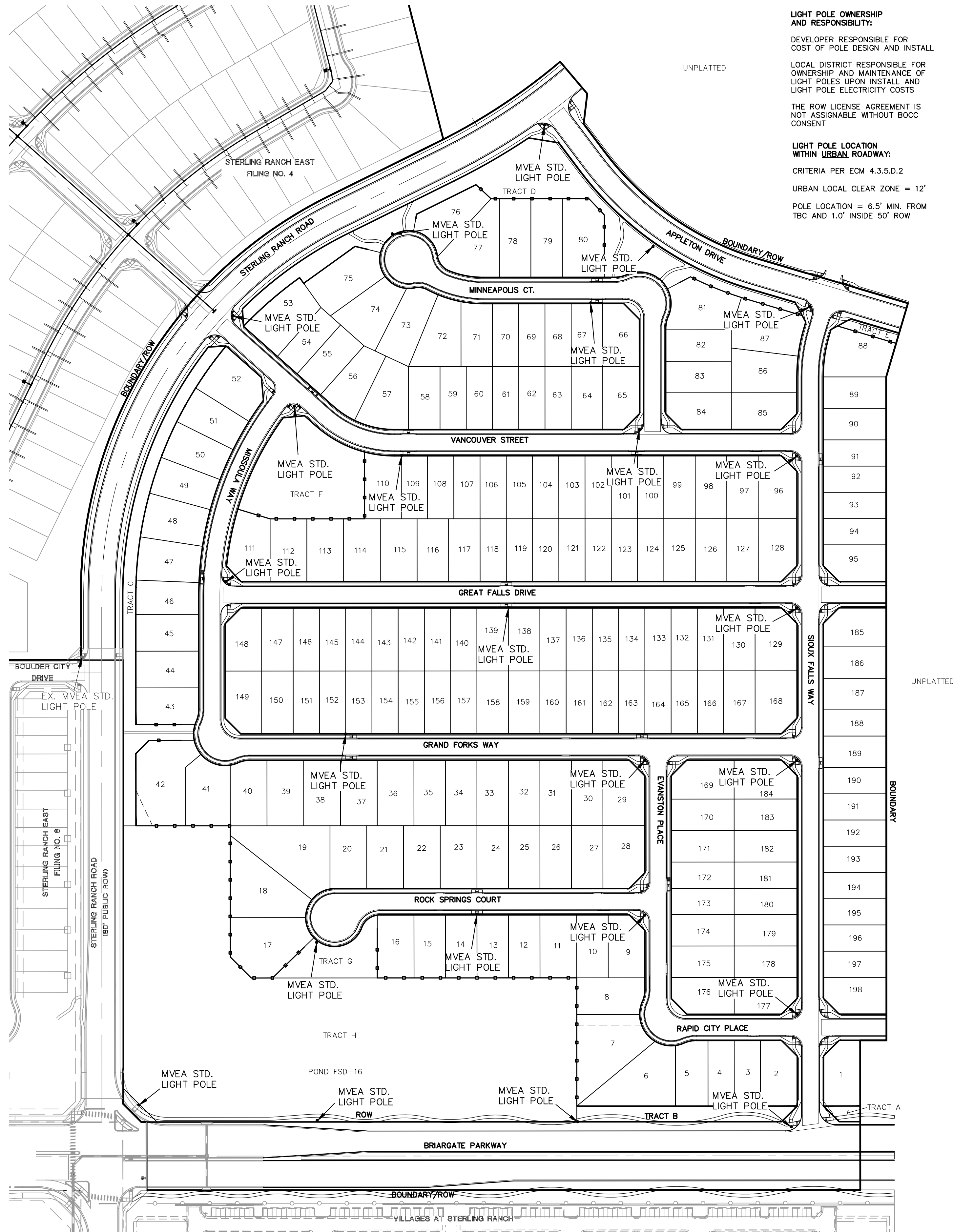


Notes:

- Other colors available, please contact factory
- P3 and SH not available with TR option
- Taller cupola cover (RCC) is required when used with ROAM or other similar wireless monitoring control systems
- Standard failure mode-Tail On
- Photocontrols supplied with ANSI Standard Turn-On levels
- XL option is required
- Ships with unit, field installed
- Required when using ROAM or other similar wireless monitoring control systems

AEL American Electric Lighting
All Headquarters, 3025 Columbus Road, Grannville, OH 43023
www.american-electric-lighting.com
© 2017 Acuity Brands Lighting, Inc. All Rights Reserved. 07/26/17

Warranty Five-year limited warranty. Complete warranty terms located at www.american-electric-lighting.com/CustomerResources/Cterms_and_conditions.aspx. Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.
Please contact your sales representative for the latest product information.



LIGHT POLE OWNERSHIP AND RESPONSIBILITY:

DEVELOPER RESPONSIBLE FOR COST OF POLE DESIGN AND INSTALL

LOCAL DISTRICT RESPONSIBLE FOR OWNERSHIP AND MAINTENANCE OF LIGHT POLES UPON INSTALL AND LIGHT POLE ELECTRICITY COSTS

THE ROW LICENSE AGREEMENT IS NOT ASSIGNABLE WITHOUT BOCC CONSENT

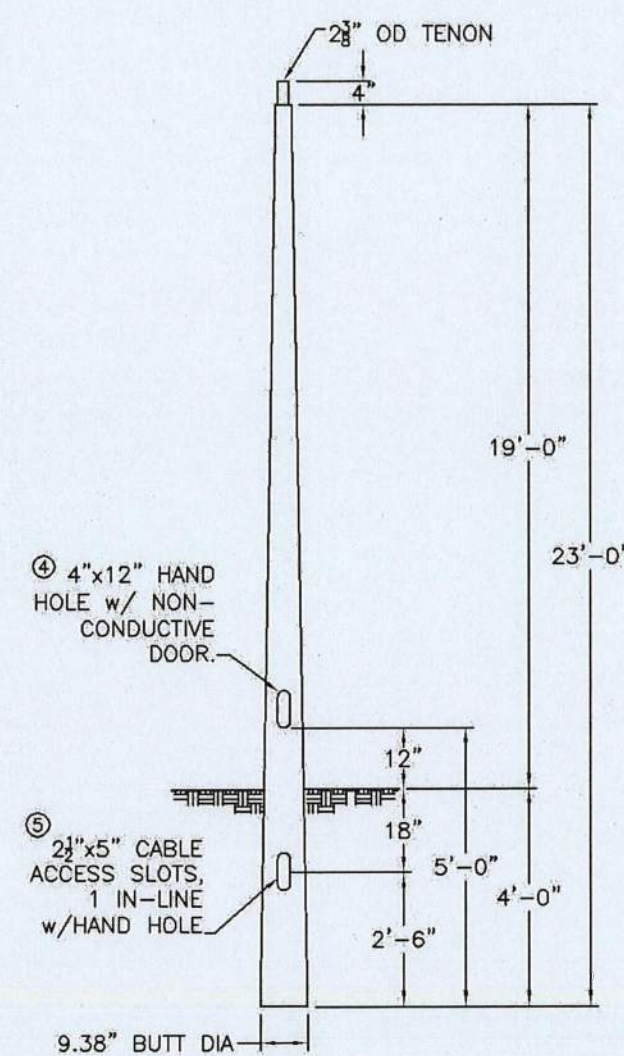
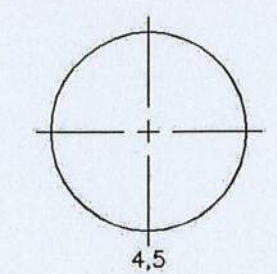
LIGHT POLE LOCATION WITHIN URBAN ROADWAY:

CRITERIA PER ECM 4.3.5.D.2

URBAN LOCAL CLEAR ZONE = 12'

POLE LOCATION = 6.5' MIN. FROM TBC AND 1.0' INSIDE 50' ROW

ORIENTATION VIEW FROM TOP OF POLE



CMT
145 Wood Street
East, SC 29918
803-414-4376
www.cmtpole.com

MOUNTAIN VIEW

CAT. NO.: TB23-D-50-3-H-T238

SPECS: WIND VEL.: 100@1.3

TOT. LENGTH: 23'-0" LUM. WEIGHT: 50 lbs.

EMBED. DEPTH: 4'-0" LUM. EPA: 3.50 sq.ft.

TIP WIDTH: 4.41" STATIC DEFL.:

WEIGHT: 50 lbs. TOTAL DEFL.:

DRAWN BY: PLF DATE: 01/16/2017

QUANTITY: JOB NUMBER:
P.O. NUMBER: APPD BY:
REV. DATE BY REMARKS
QUOTE: QUOTE: REMARKS



140 70 0 140 280

SCALE: 1" = 140'

ADDED PROJ NO. PCD No. SF-XXXX

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NO. REVISION

DATE

REVIEW:

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

MARC. A. WHORTON, COLORADO P.E. #37155 DATE

CLASSIC CONSULTING

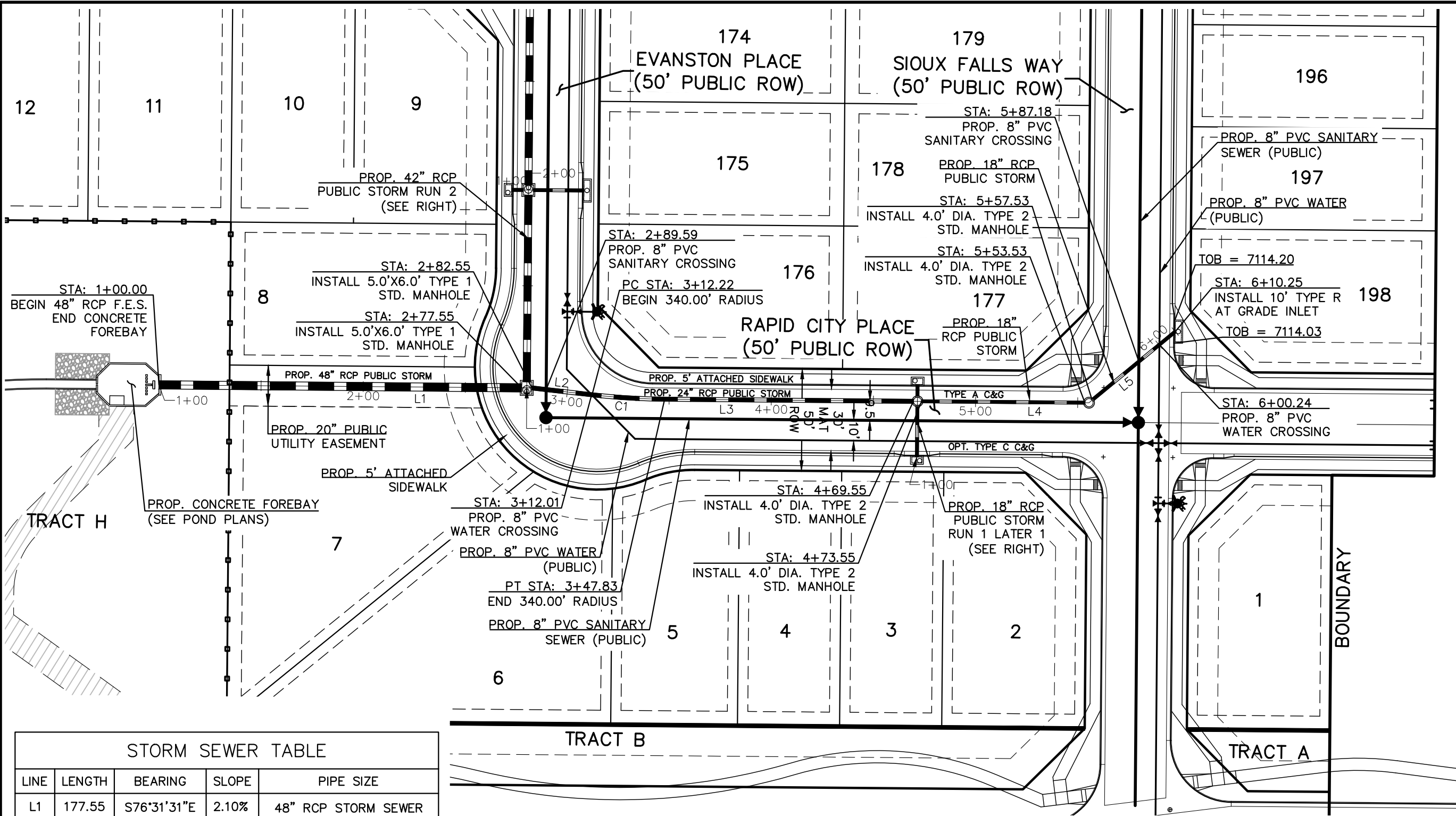
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

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

STERLING RANCH EAST FILING NO. 6
CONSTRUCTION PLANS
STREET LIGHT POLE LOCATION PLAN

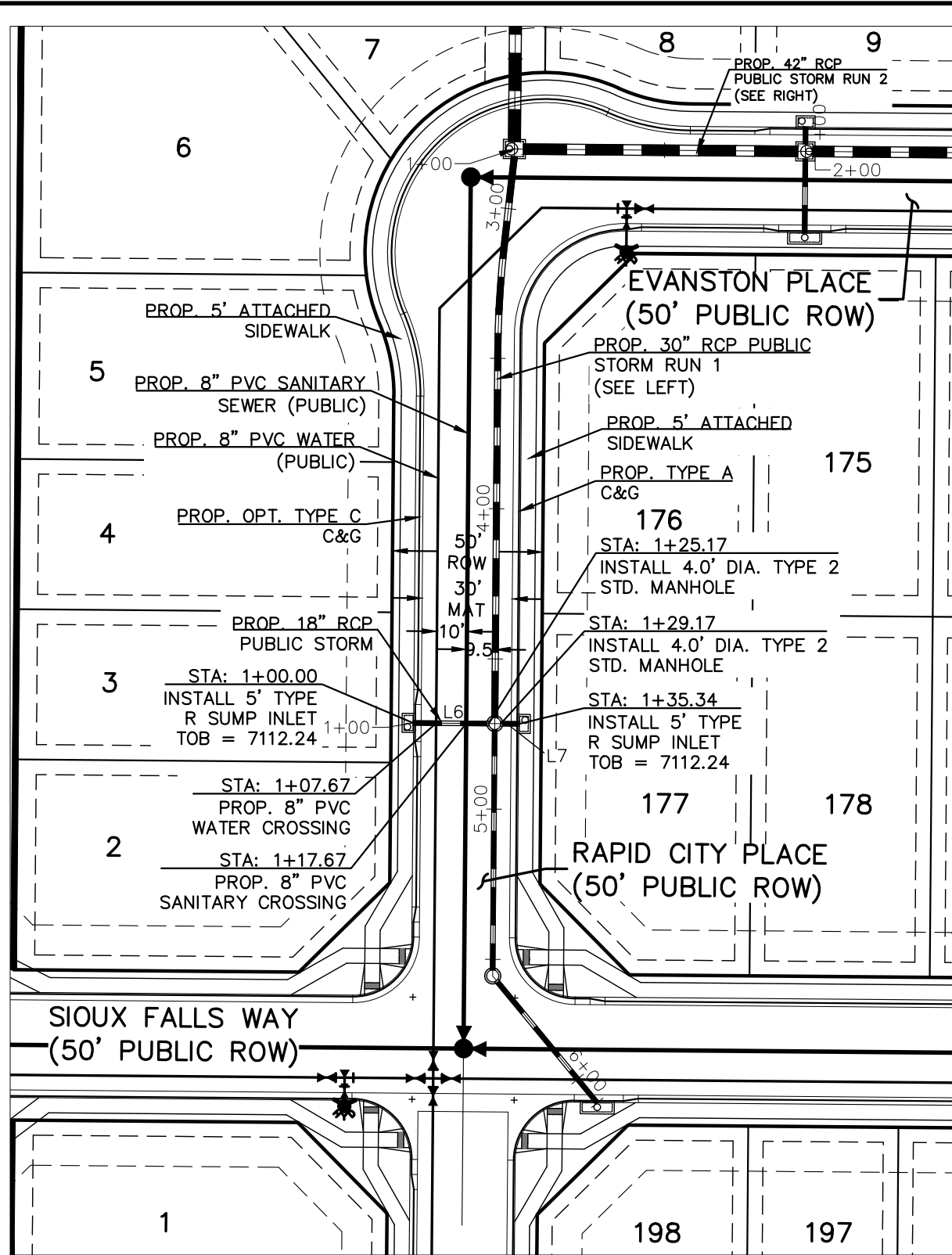
DESIGNED BY	PRA	SCALE	DATE	5-1-2025
DRAWN BY	ESO	(H) 1" = 120'	SHEET	34 OF 49
CHECKED BY	(V) 1" = N/A	JOB NO.	1183.60	

CLASSIC CONSULTING

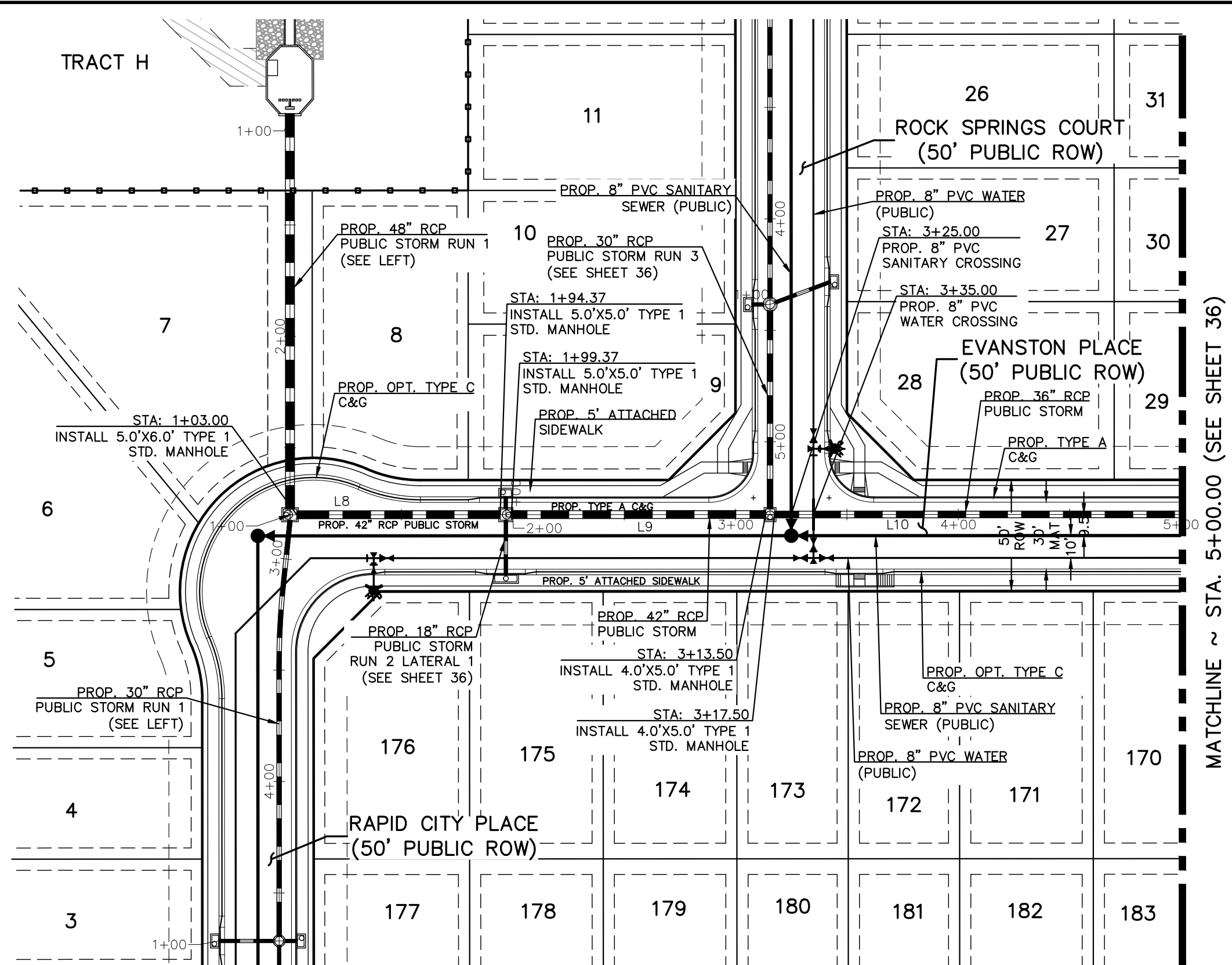


STORM SEWER TABLE				
LINE	LENGTH	BEARING	SLOPE	PIPE SIZE
L1	177.55	S76°31'31"E	2.10%	48" RCP STORM SEWER
L2	29.68	S70°31'31"E	1.57%	24" RCP STORM SEWER
L3	121.72	S76°31'31"E	1.57%	24" RCP STORM SEWER
L4	79.98	S76°31'31"E	1.00%	18" RCP STORM SEWER
L5	52.71	N63°28'29"E	1.00%	18" RCP STORM SEWER
L6	25.17	N13°28'29"E	1.00%	18" RCP STORM SEWER
L7	6.17	N13°28'29"E	0.50%	18" RCP STORM SEWER
L8	91.37	N13°28'29"E	3.00%	42" RCP STORM SEWER
L9	114.13	N13°28'29"E	1.13%	42" RCP STORM SEWER
L10	290.50	N13°28'29"E	3.00%	36" RCP STORM SEWER

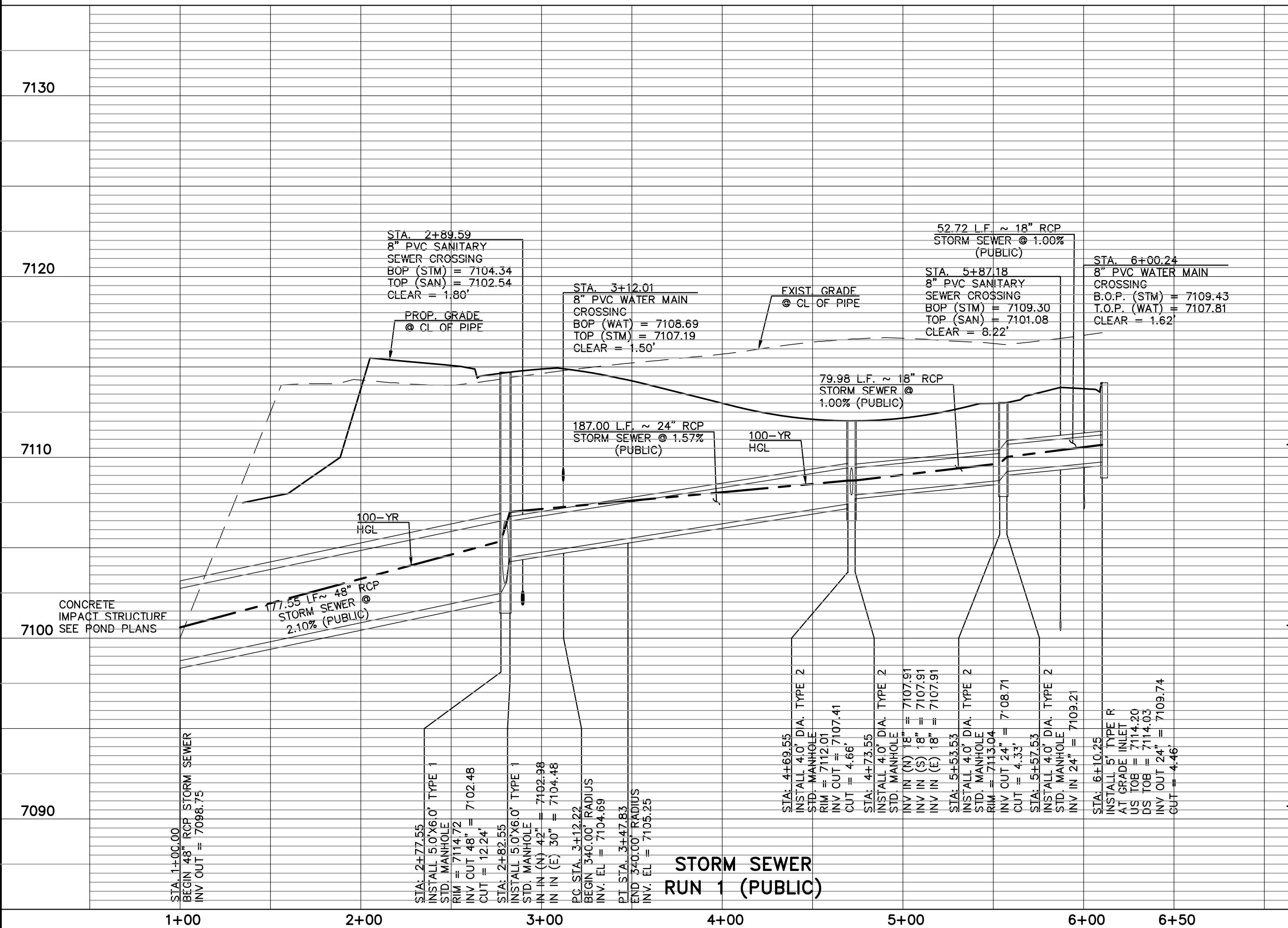
STORM SEWER TABLE					
CURVE	RADIUS	LENGTH	DELTA	SLOPE	PIPE SIZE
C1	340.00	35.60	6°00'00"	1.57%	24" RCP STORM SEWER



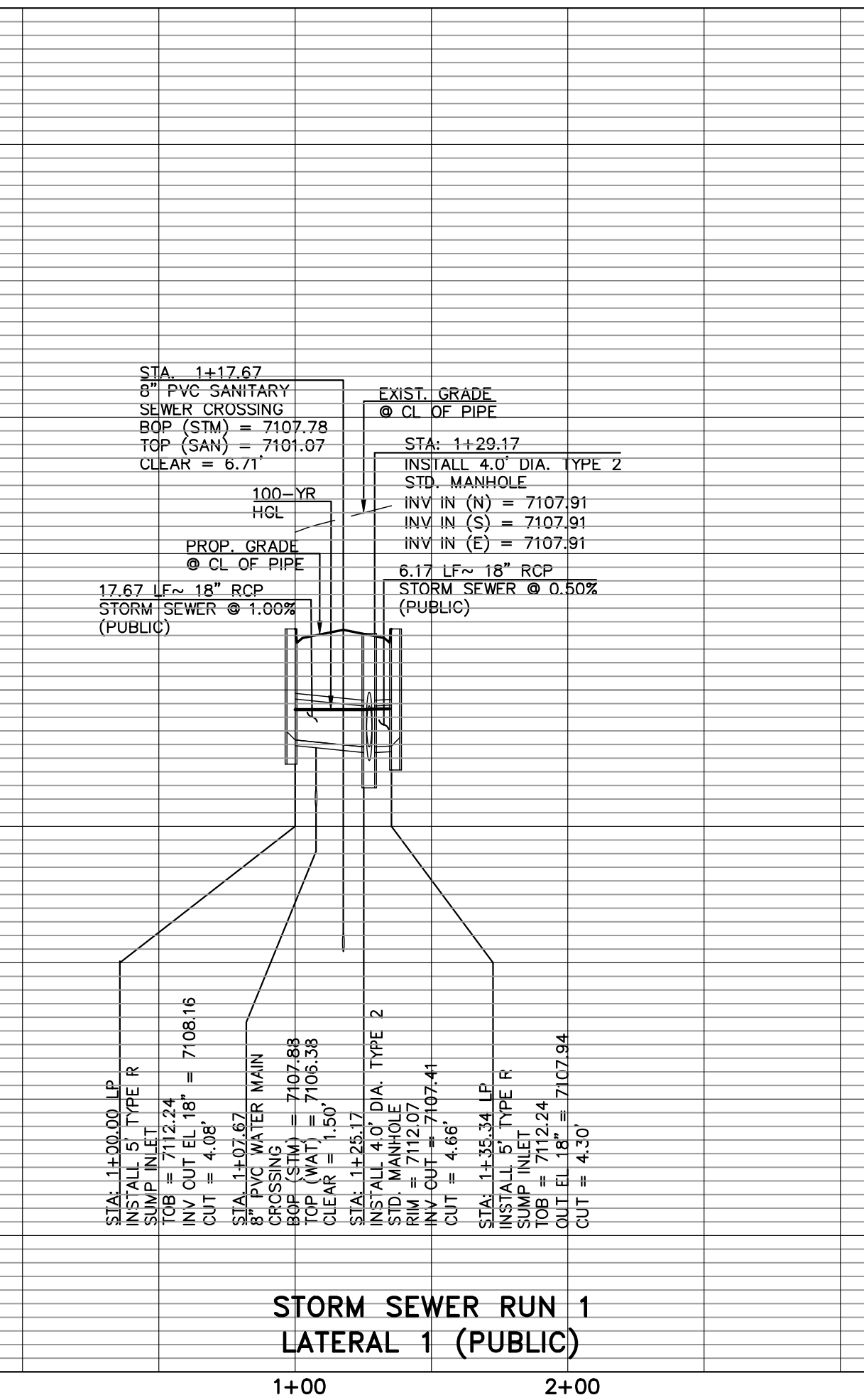
STORM SEWER RUN 1
LATERAL 1 (PUBLIC)



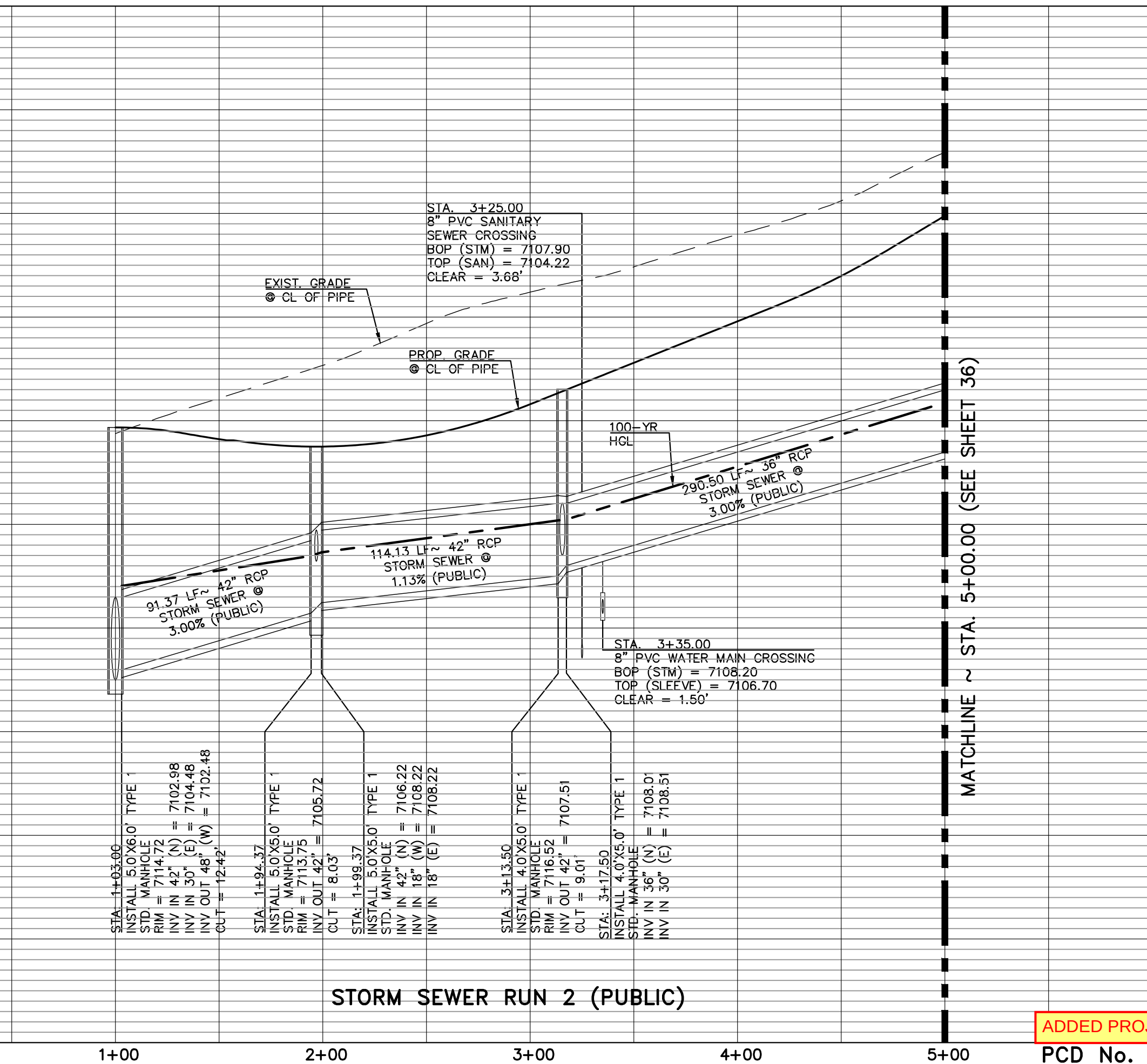
STORM SEWER RUN 2 (PUBLIC)



STORM SEWER RUN 1 (PUBLIC)



STORM SEWER RUN 1
LATERAL 1 (PUBLIC)



STORM SEWER RUN 2 (PUBLIC)

STORM SEWER PIPE NOTE:
ALL STORM SEWER WITH 100-YR HGL ABOVE
THE TOP OF THE PIPE SHALL BE INSTALLED
WITH PRESSURE PIPE AND WATERTIGHT
JOINTS WITH 100 YEAR SERVICE LIFE.

48 HOURS BEFORE YOU DIG,
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NO. REVISION

DATE

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MARC A. WHORTON, COLORADO P.E. #37155

DATE



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

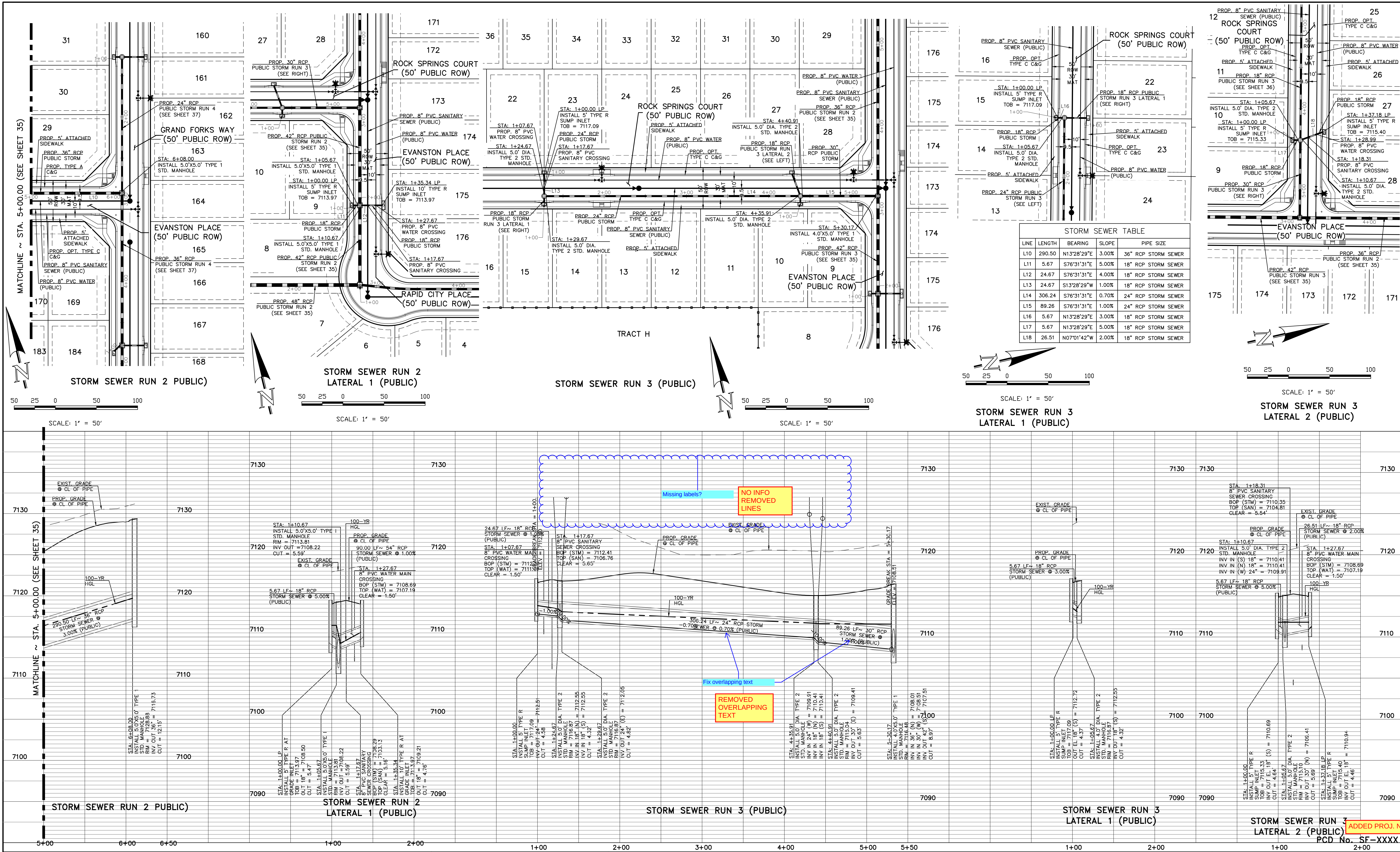
STRELING RANCH EAST FILING NO. 6
CONSTRUCTION PLANS
PUBLIC STORM SEWER PLAN

DESIGNED BY	PRA	SCALE	DATE	5-1-2025
DRAWN BY	ESO	(H) 1"= 50'	SHEET	35 OF 49
CHECKED BY	(V) 1"= 5'	JOB NO.	1183.60	



ADDED PROJ. NO.

PCD No. SF-XXXX



STORM SEWER PIPE NOTE:
ALL STORM SEWER WITH 100-YR HGL ABOVE THE TOP OF THE PIPE SHALL BE INSTALLED WITH PRESSURE PIPE AND WATER TIGHT JOINTS WITH 100 YEAR SERVICE LIFE.

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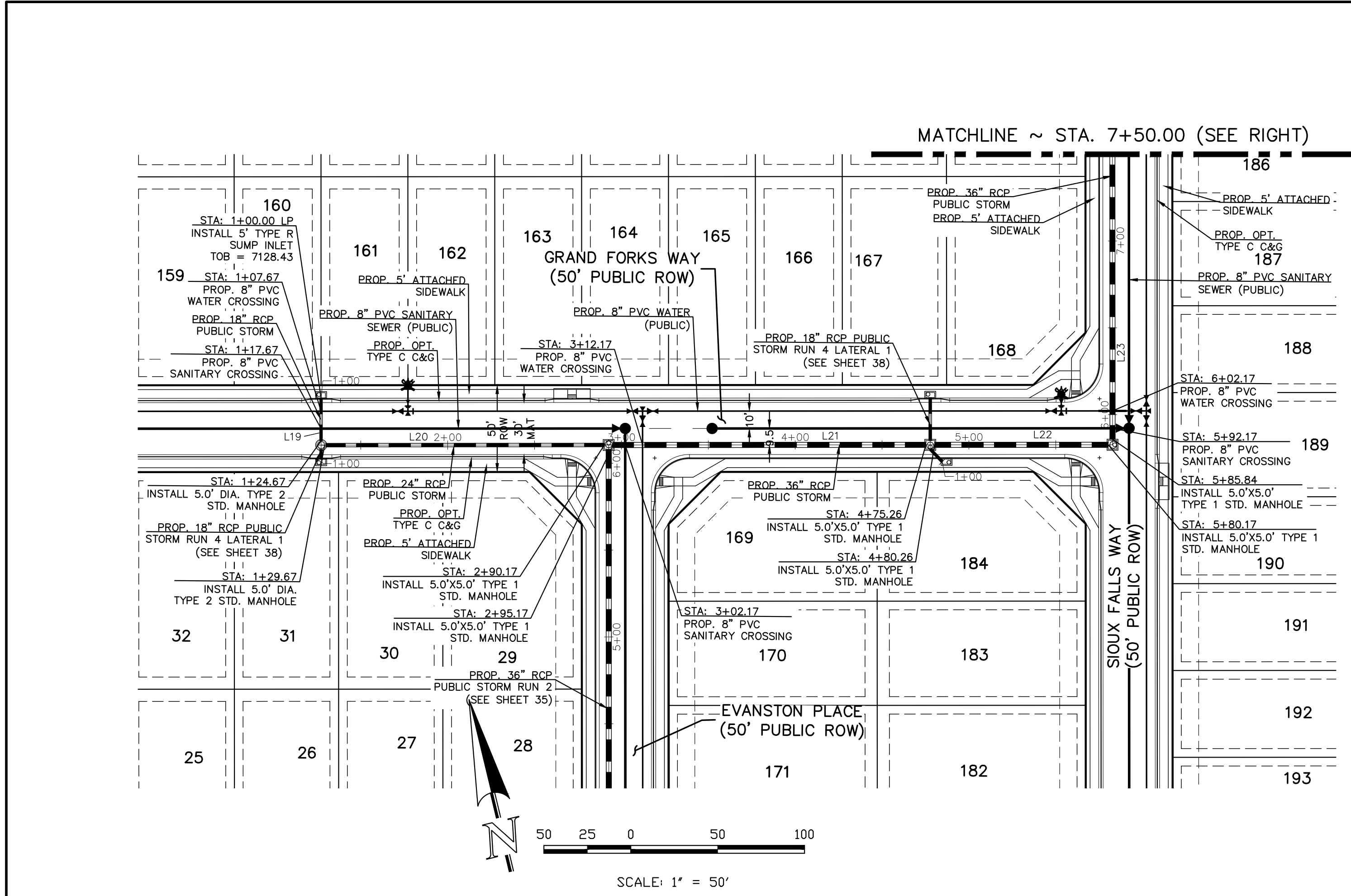
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CONSTRUCTION PLANS
PUBLIC STORM SEWER PLAN

DESIGNED BY	PRA	SCALE	DATE	5-1-2025
DRAWN BY	ESO	(H) 1"= 50'	SHEET	36 OF 49
CHECKED BY	(V) 1"= 5'	JOB NO.	1183.60	

PCD No. SF-XXXX

ADDED PROJ. NO.

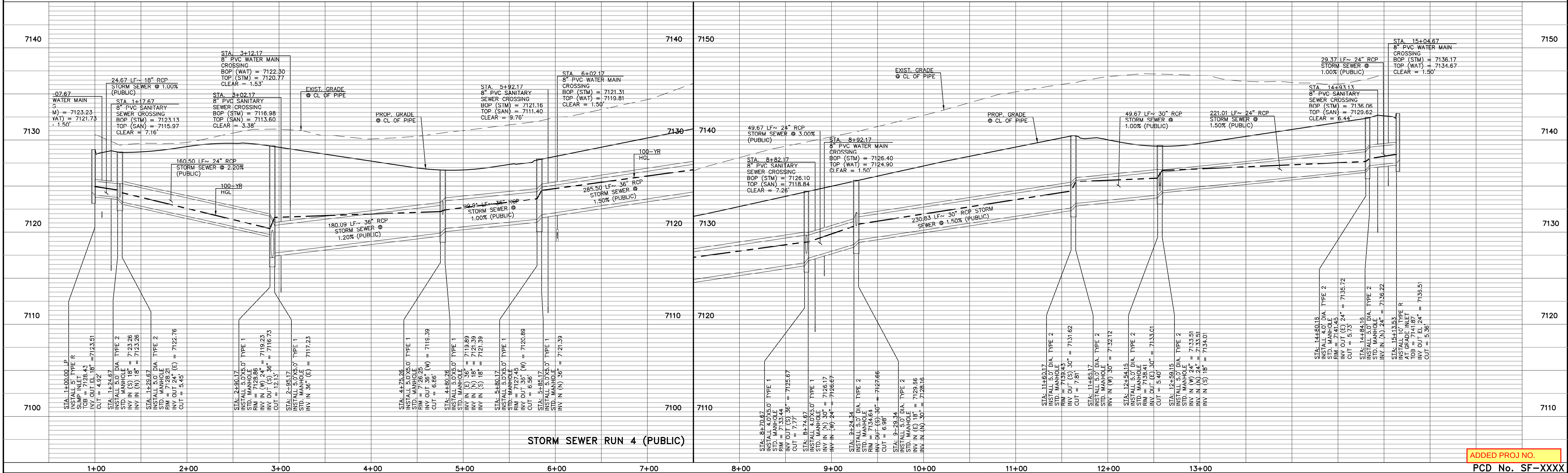
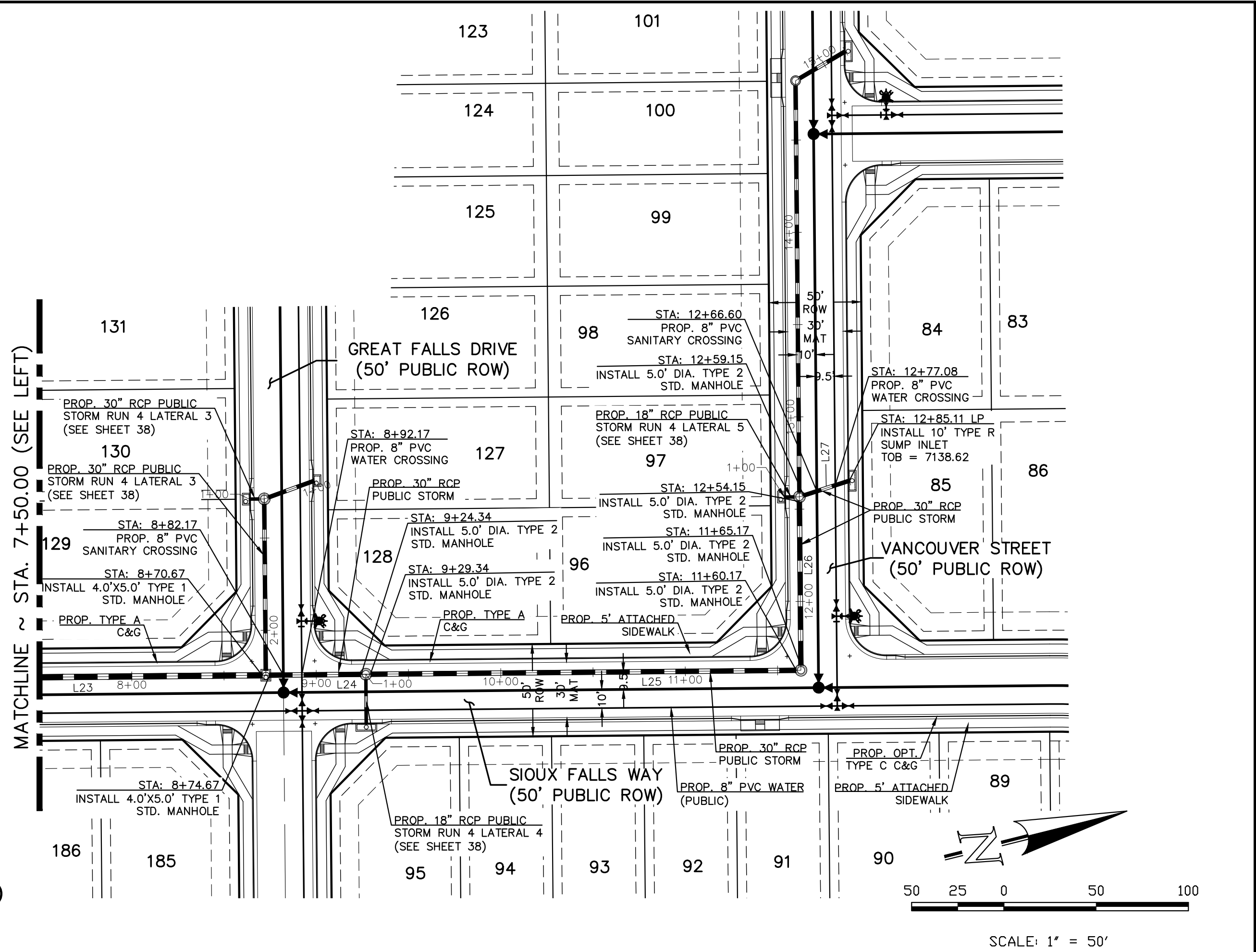
N:\118360\DRAWINGS\CONSTRUCTION\36-118360-STM-02.dwg, 5/1/2025 3:28:28 PM, 1:1, AS



LINE	LENGTH	BEARING	SLOPE	PIPE SIZE
L19	24.67	S13°28'29"W	1.00%	18" RCP STORM SEWER
L20	160.50	S76°31'31"E	2.20%	24" RCP STORM SEWER
L21	180.09	S76°31'31"E	1.20%	36" RCP STORM SEWER
L22	99.91	S76°31'31"E	1.00%	36" RCP STORM SEWER
L23	284.83	N13°28'29"E	1.50%	36" RCP STORM SEWER
L24	49.67	N13°28'29"E	3.00%	30" RCP STORM SEWER
L25	230.83	N13°28'29"E	1.50%	30" RCP STORM SEWER
L26	89.05	N76°31'31"W	1.00%	30" RCP STORM SEWER
L27	25.97	N03°53'51"W	1.50%	30" RCP STORM SEWER

THIS NOTE IS SHOWN ON ALL SHEETS
(SEE BOTTOM LEFT)

Include this note on all storm sheets



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MARC A. WHORTON, COLORADO P.E. #37155

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CLASSIC
CONSULTING

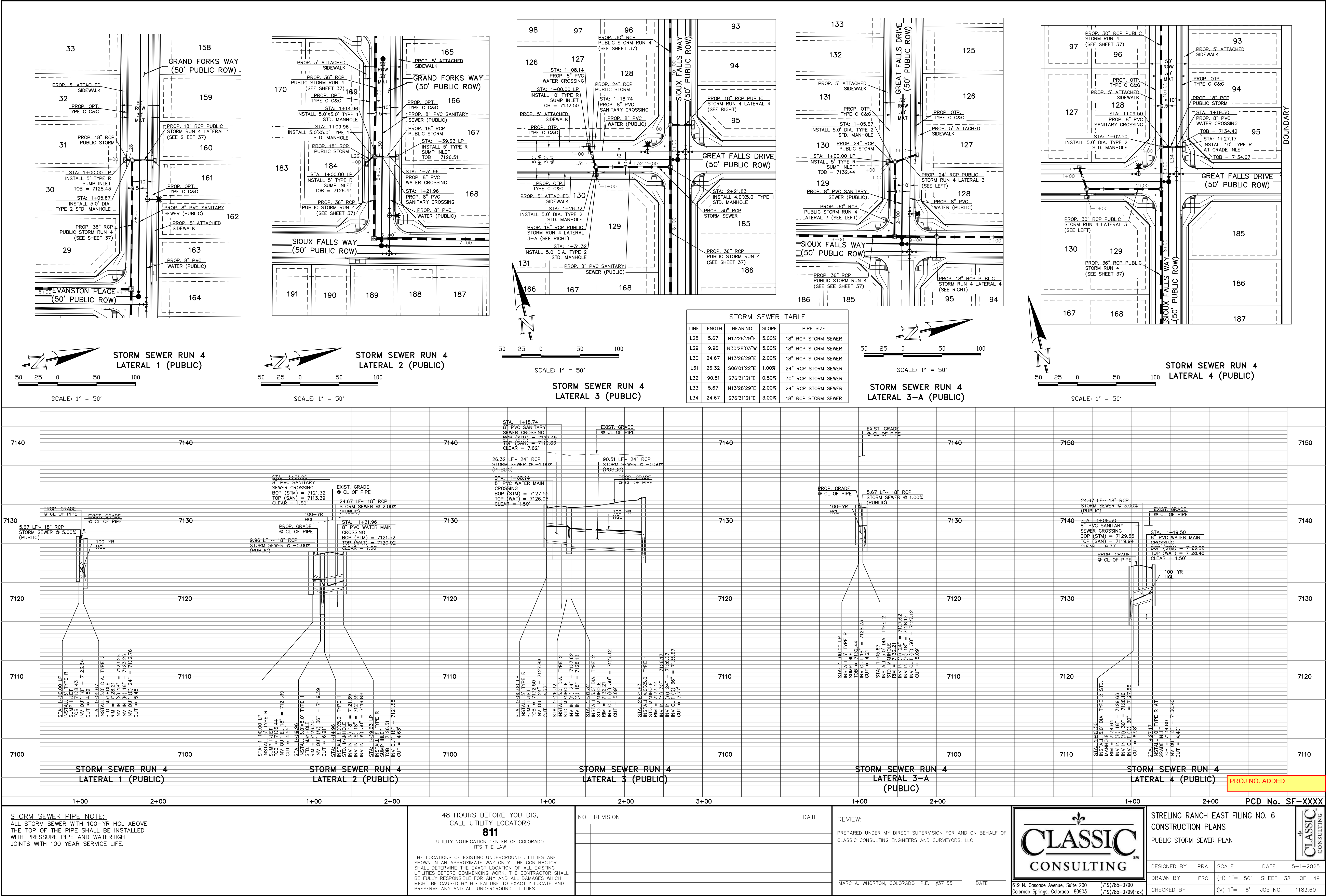
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

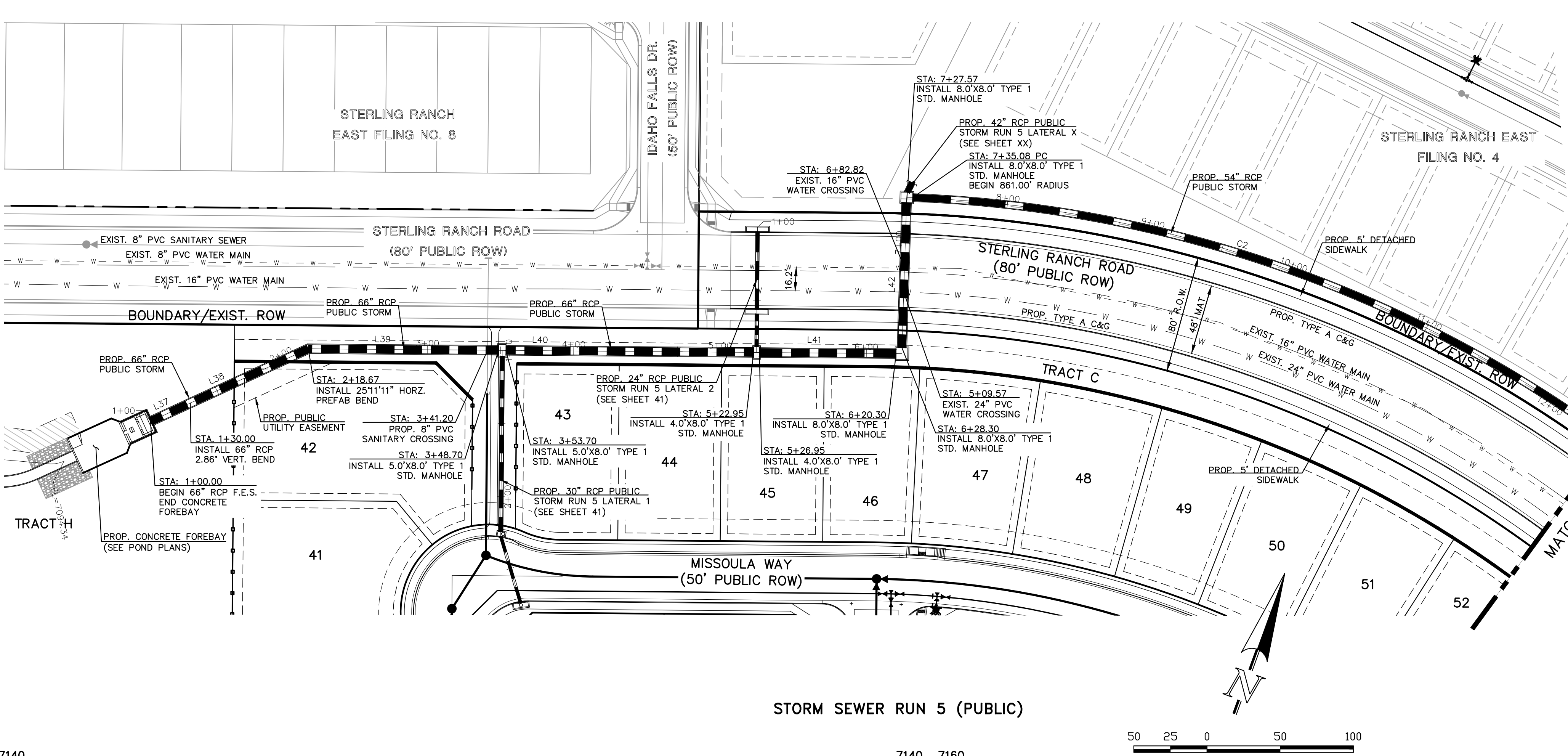
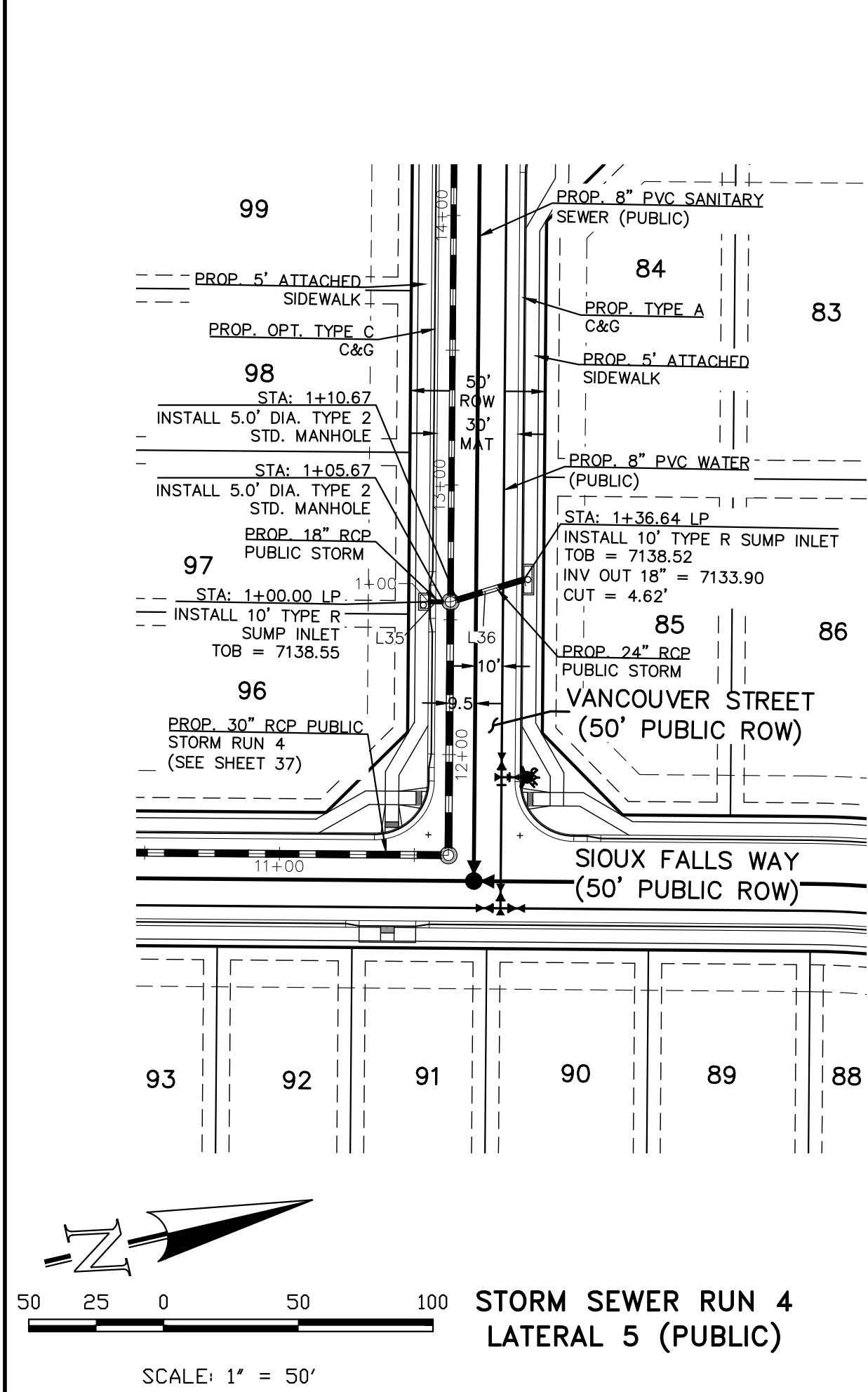
(719)785-0790
(719)785-0799(Fax)

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CONSTRUCTION PLANS
PUBLIC STORM SEWER PLAN

DESIGNED BY	PRA	SCALE	DATE	5-1-2025
DRAWN BY	ESO	(H) 1"= 50'	SHEET 37 OF 49	
CHECKED BY	(V) 1"= 5'	JOB NO.	1183.60	

CLASSIC
CONSULTING

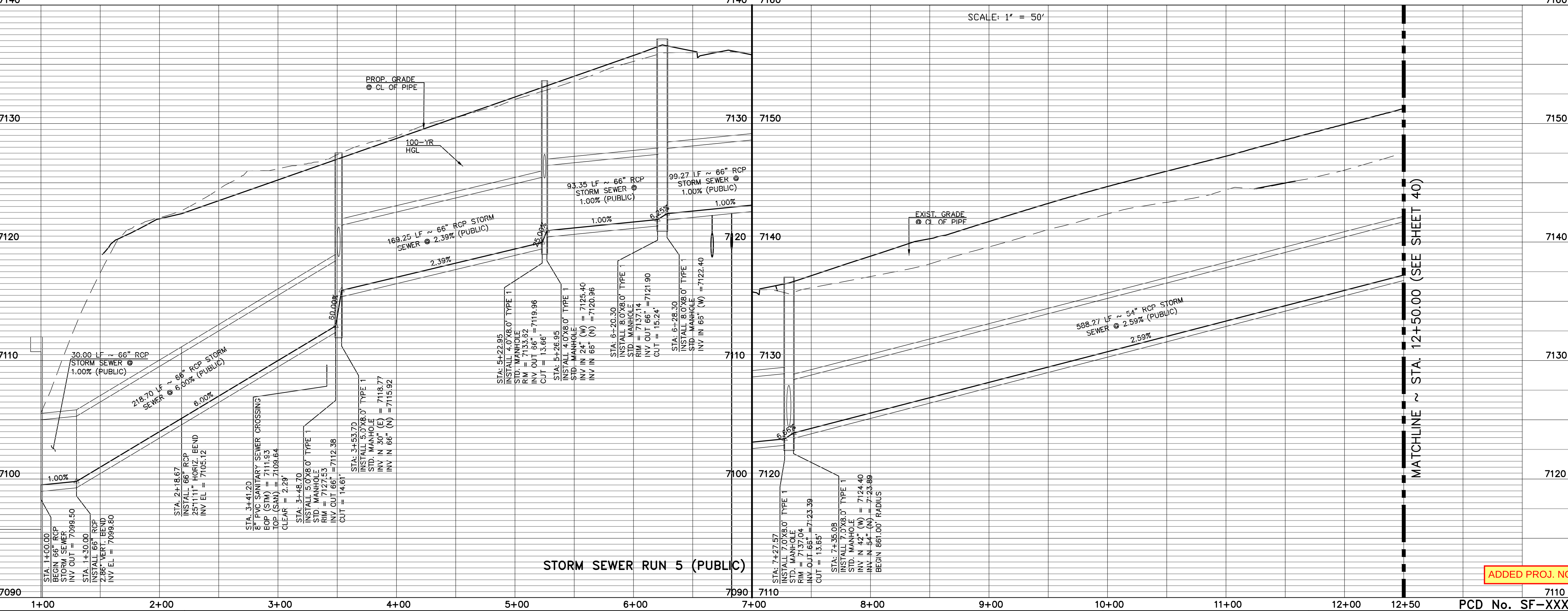
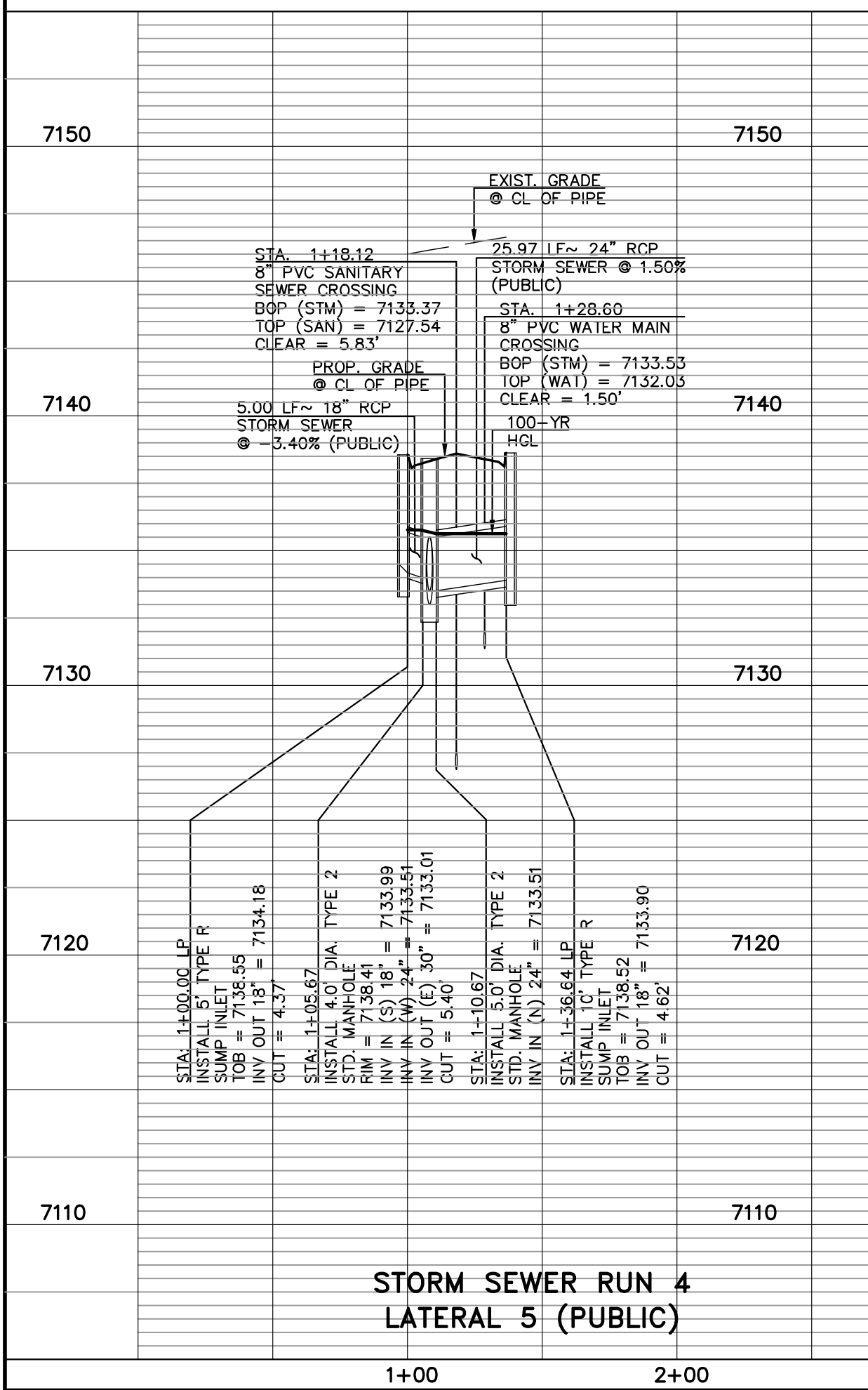




STORM SEWER TABLE				
LINE	LENGTH	BEARING	SLOPE	PIPE SIZE
L35	5.67	N13°28'29"E	3.40%	18" RCP STORM SEWER
L36	25.97	N03°53'51"W	1.50%	24" RCP STORM SEWER
L37	30.00	N11°42'42"W	1.00%	66" RCP STORM SEWER
L38	88.67	N11°42'42"W	6.00%	66" RCP STORM SEWER
L39	130.03	N13°28'29"E	6.00%	66" RCP STORM SEWER
L40	169.25	N13°28'29"E	2.39%	66" RCP STORM SEWER
L41	93.35	N13°28'29"E	1.00%	66" RCP STORM SEWER
L42	99.27	N75°10'46"W	1.00%	66" RCP STORM SEWER

STORM SEWER TABLE				
CURVE	RADIUS	LENGTH	DELTA	PIPE SIZE
C2	861.00	588.27	39°08'49"	54" RCP STORM SEWER

NOTE:
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MARC A. WHORTON, COLORADO P.E. #37155 DATE

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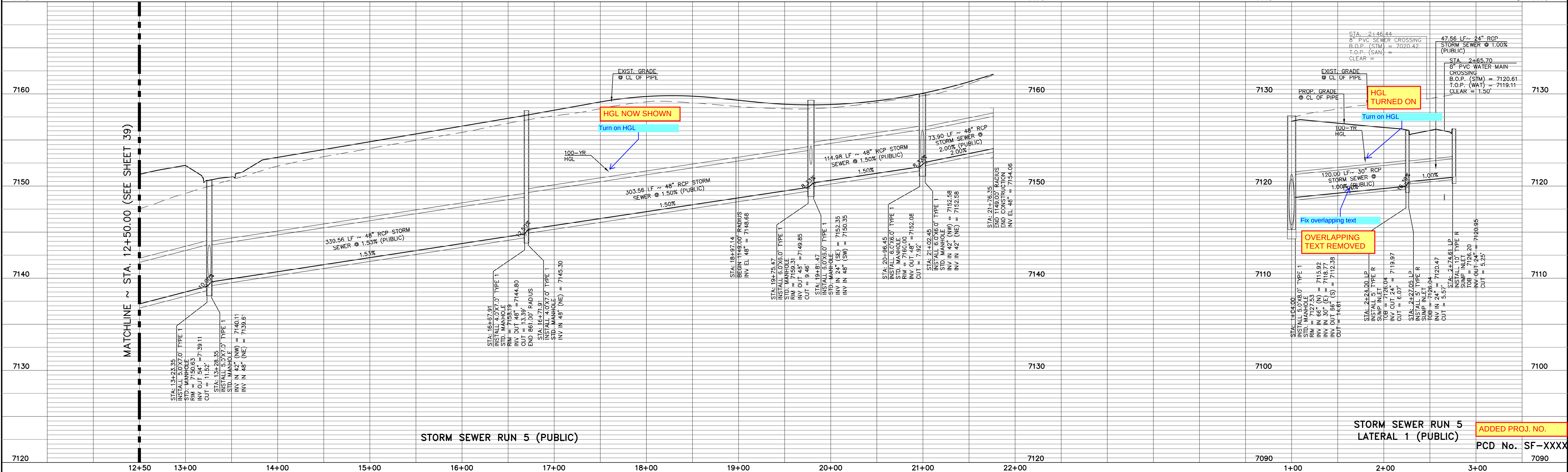
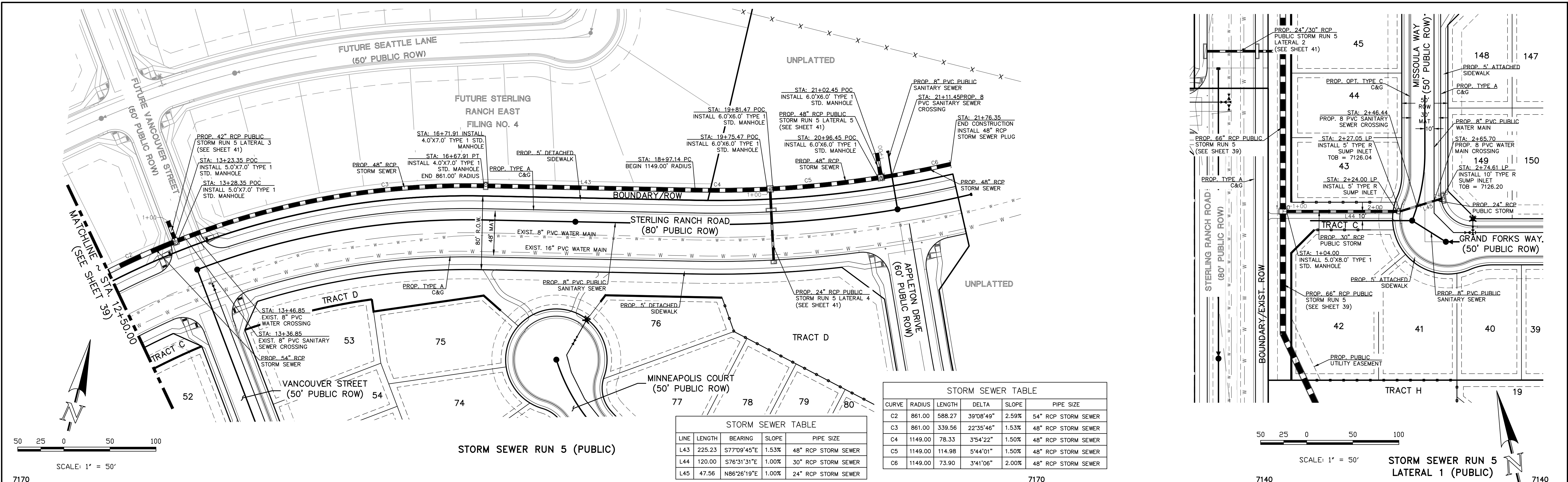
619 N. Cascade Avenue, Suite 200
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STRELING RANCH EAST FILING NO. 6
CONSTRUCTION PLANS
PUBLIC STORM SEWER PLAN

DESIGNED BY	PRA	SCALE	DATE	5-1-2025
DRAWN BY	ESO	(H) 1" = 50'	SHEET	39 OF 49
CHECKED BY	(V) 1" = 5'	JOB NO.	1183.60	

PCD No. SF-XXXX



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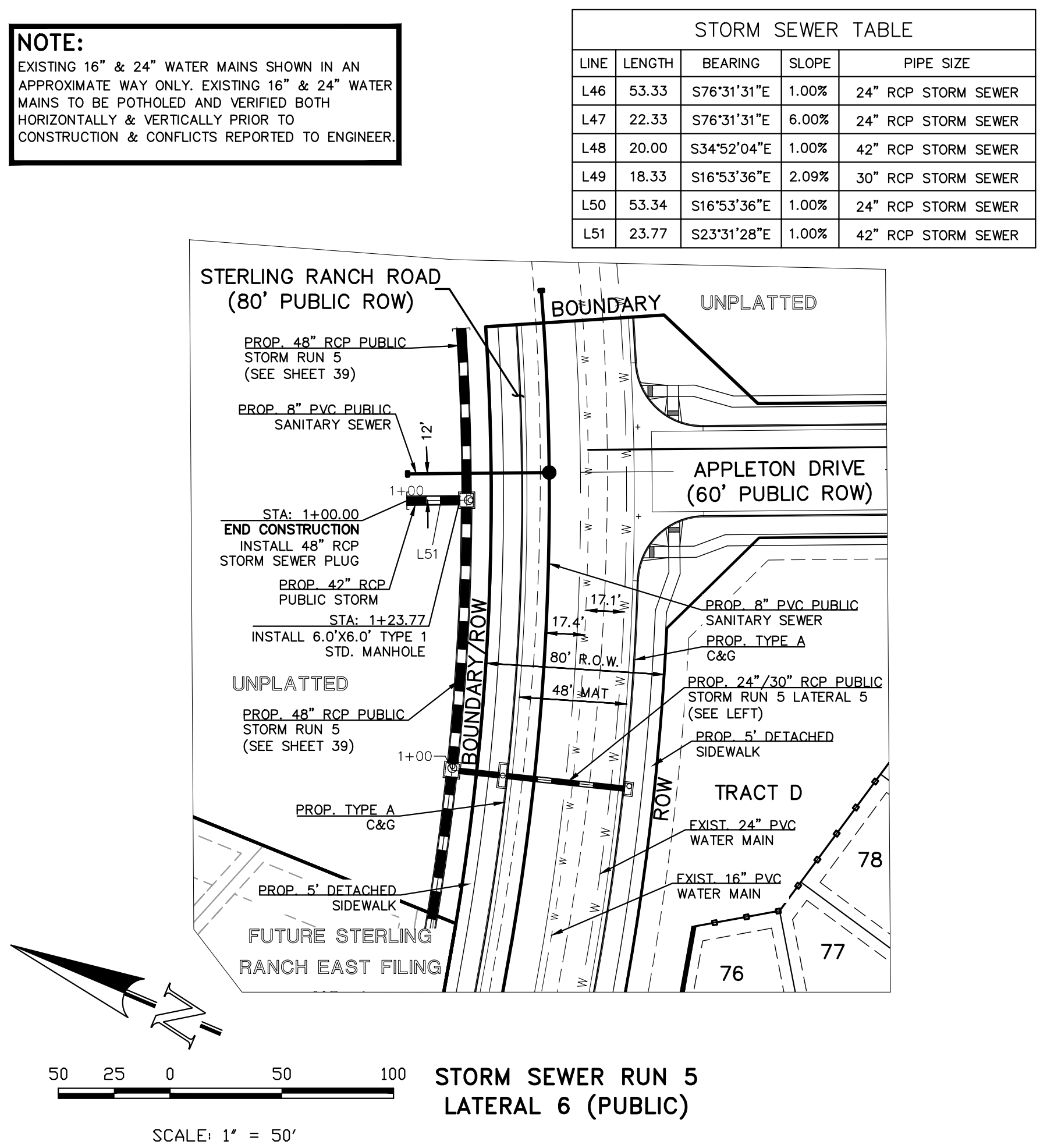
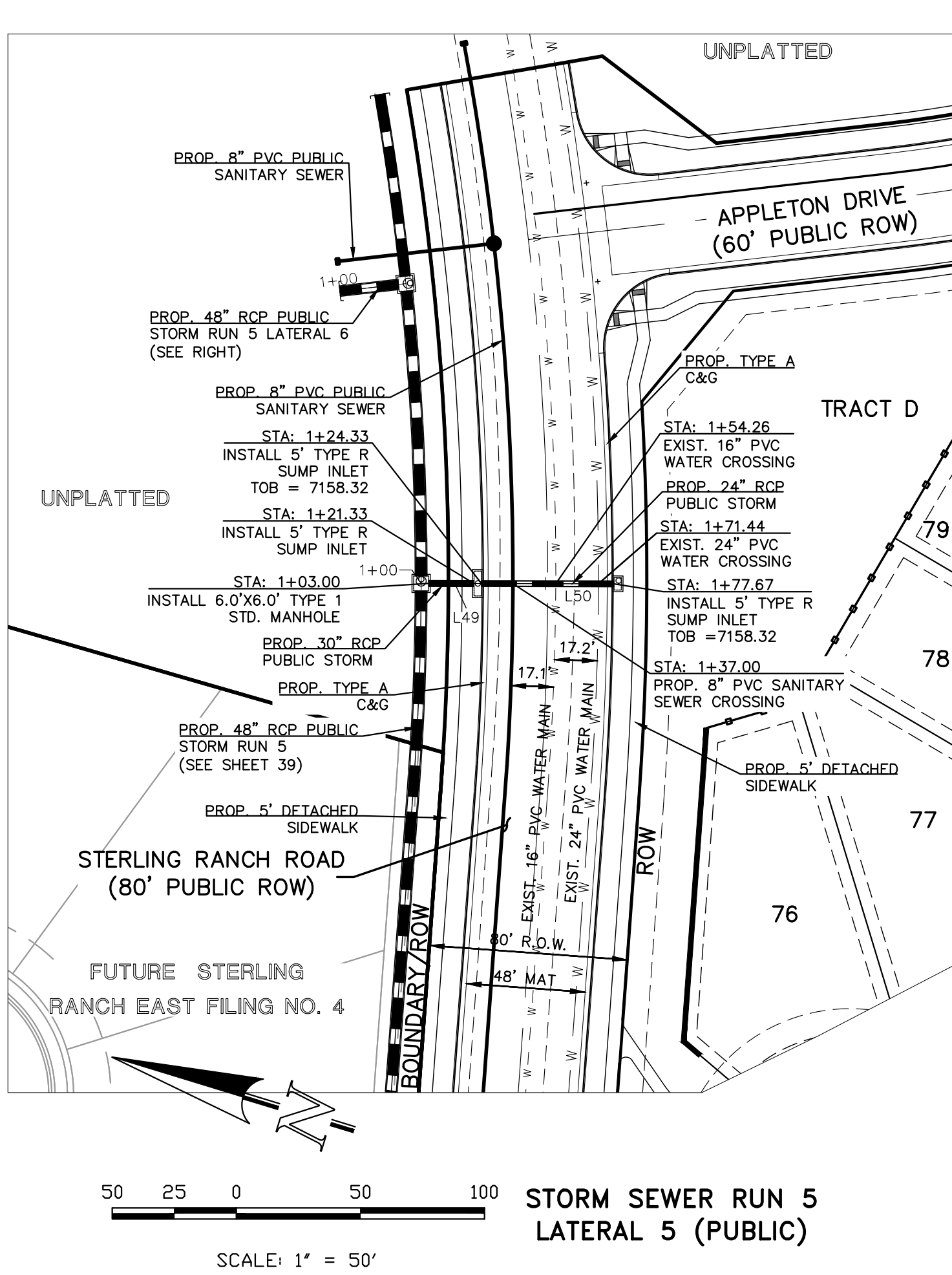
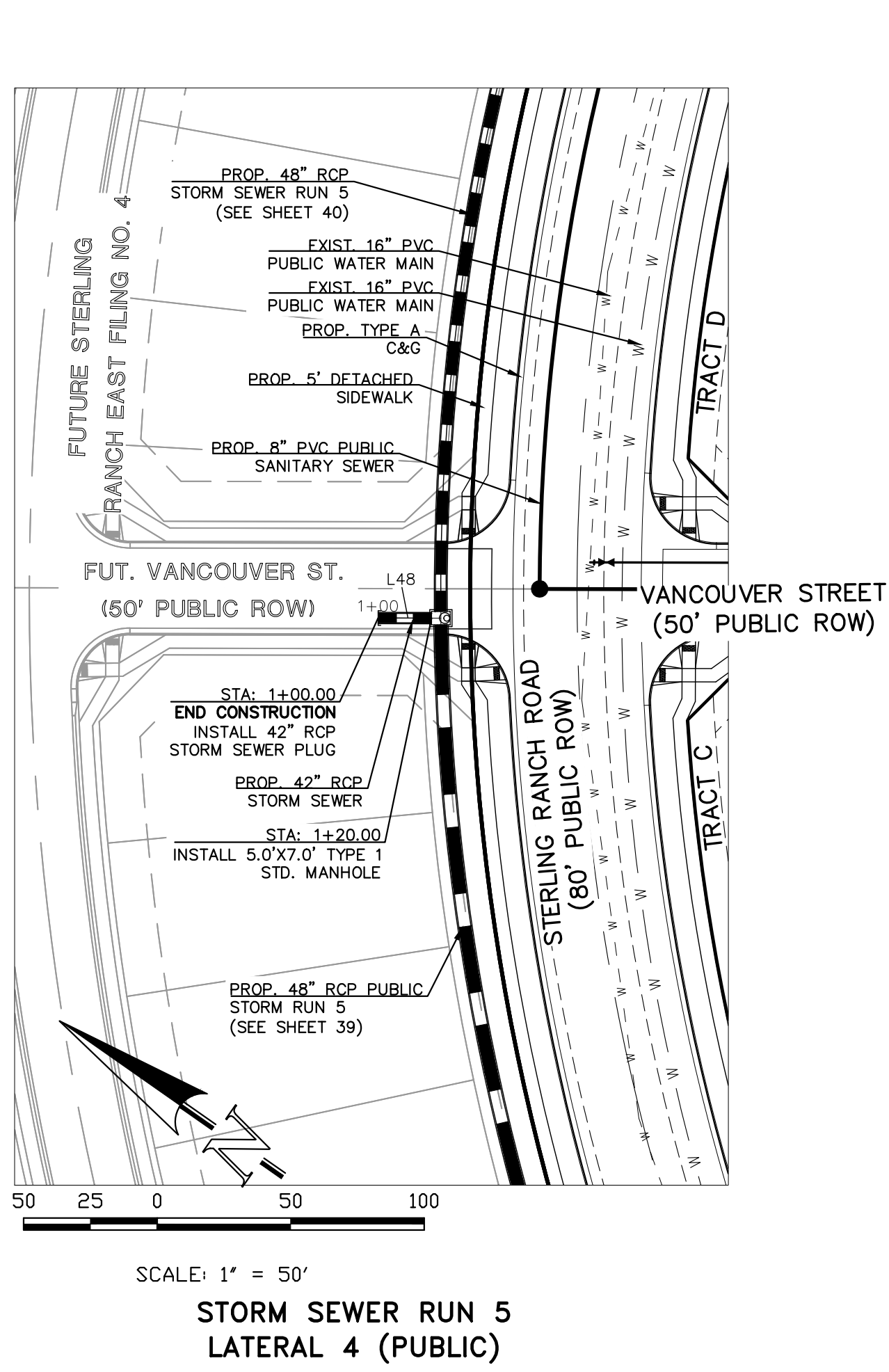
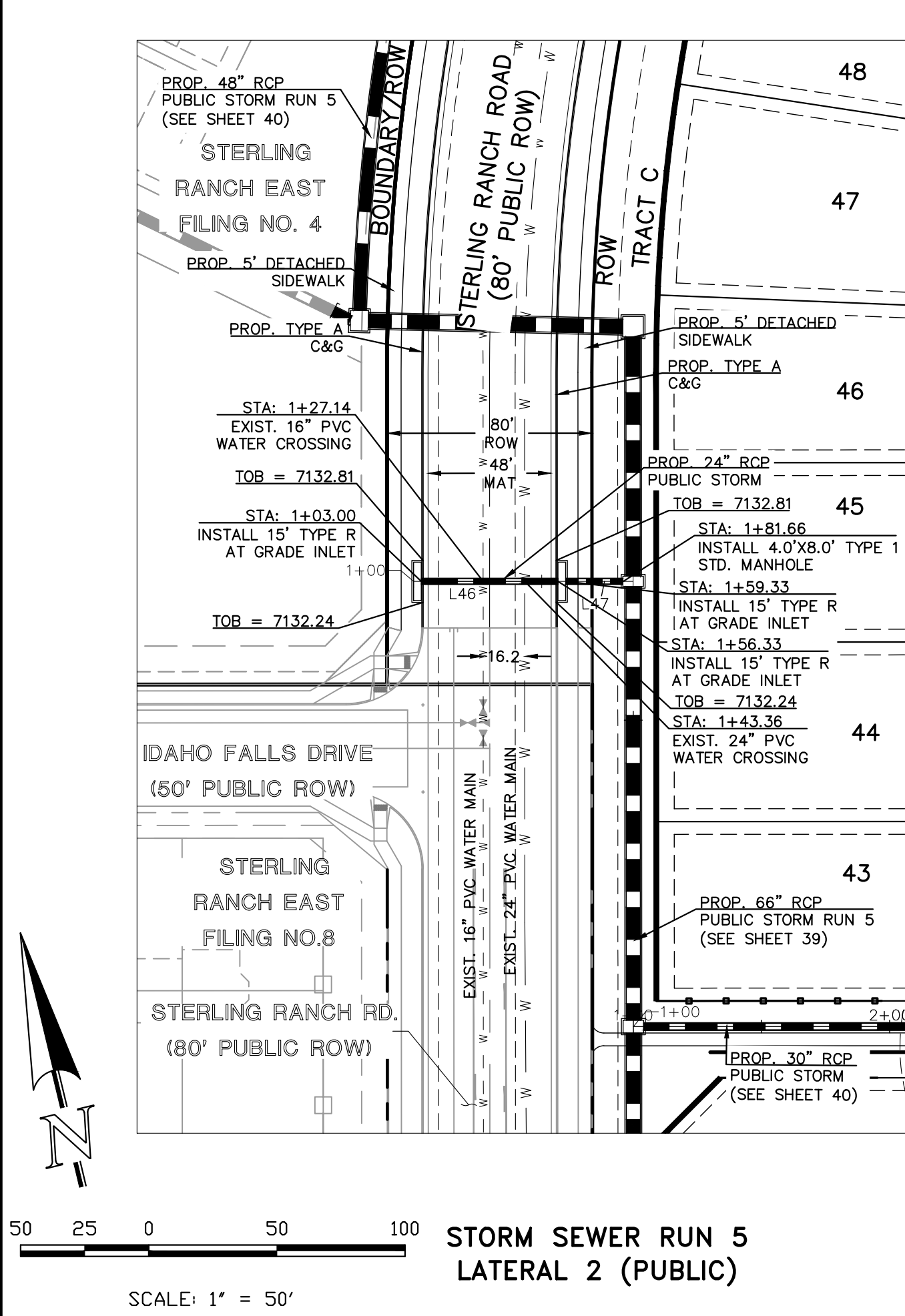
STRELING RANCH EAST FILING NO. 6
CONSTRUCTION PLANS
PUBLIC STORM SEWER PLAN

DESIGNED BY: MAW
DRAWN BY: ESO
CHECKED BY:

SCALE: (H) 1" = 50'
(V) 1" = 5'

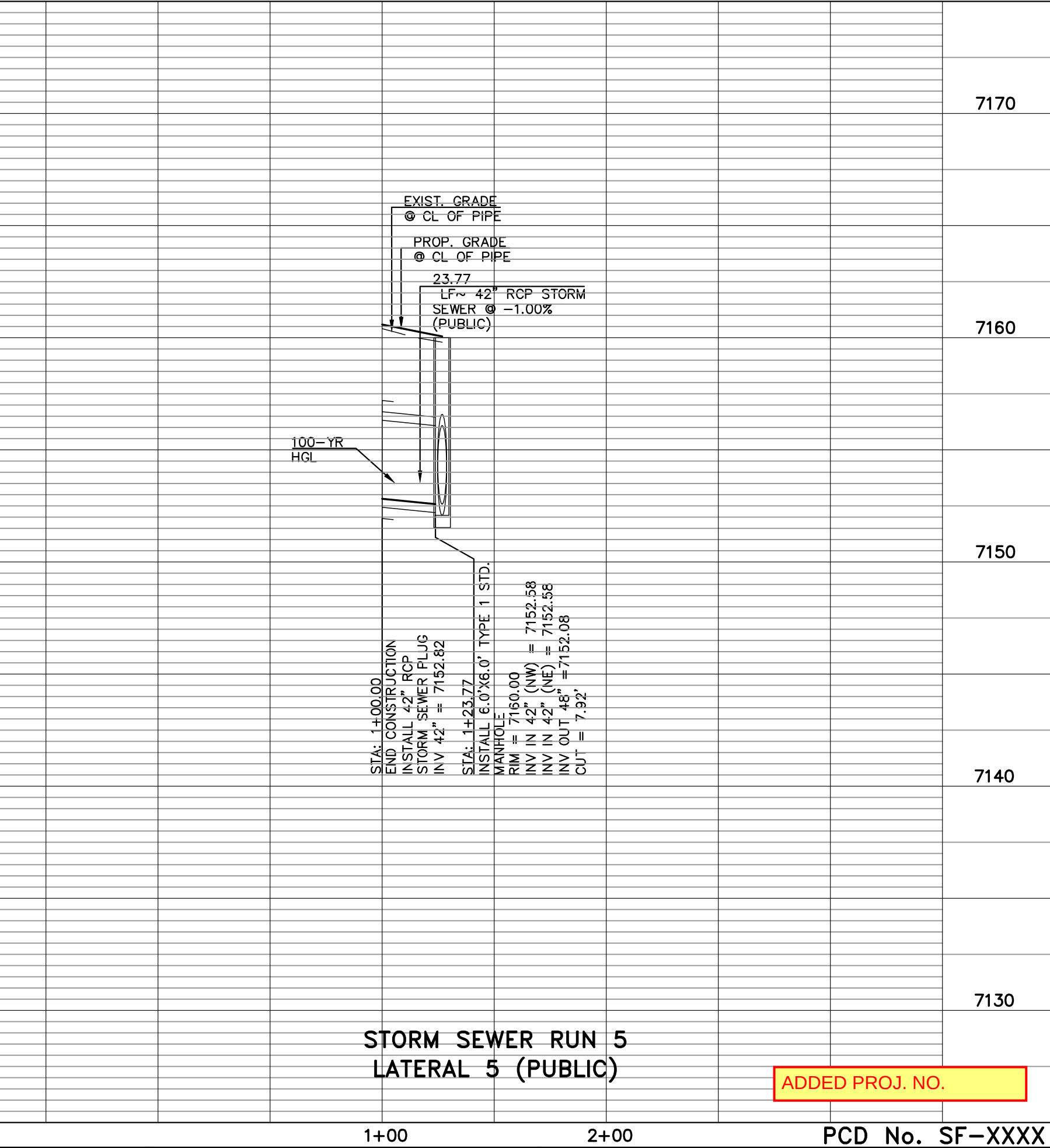
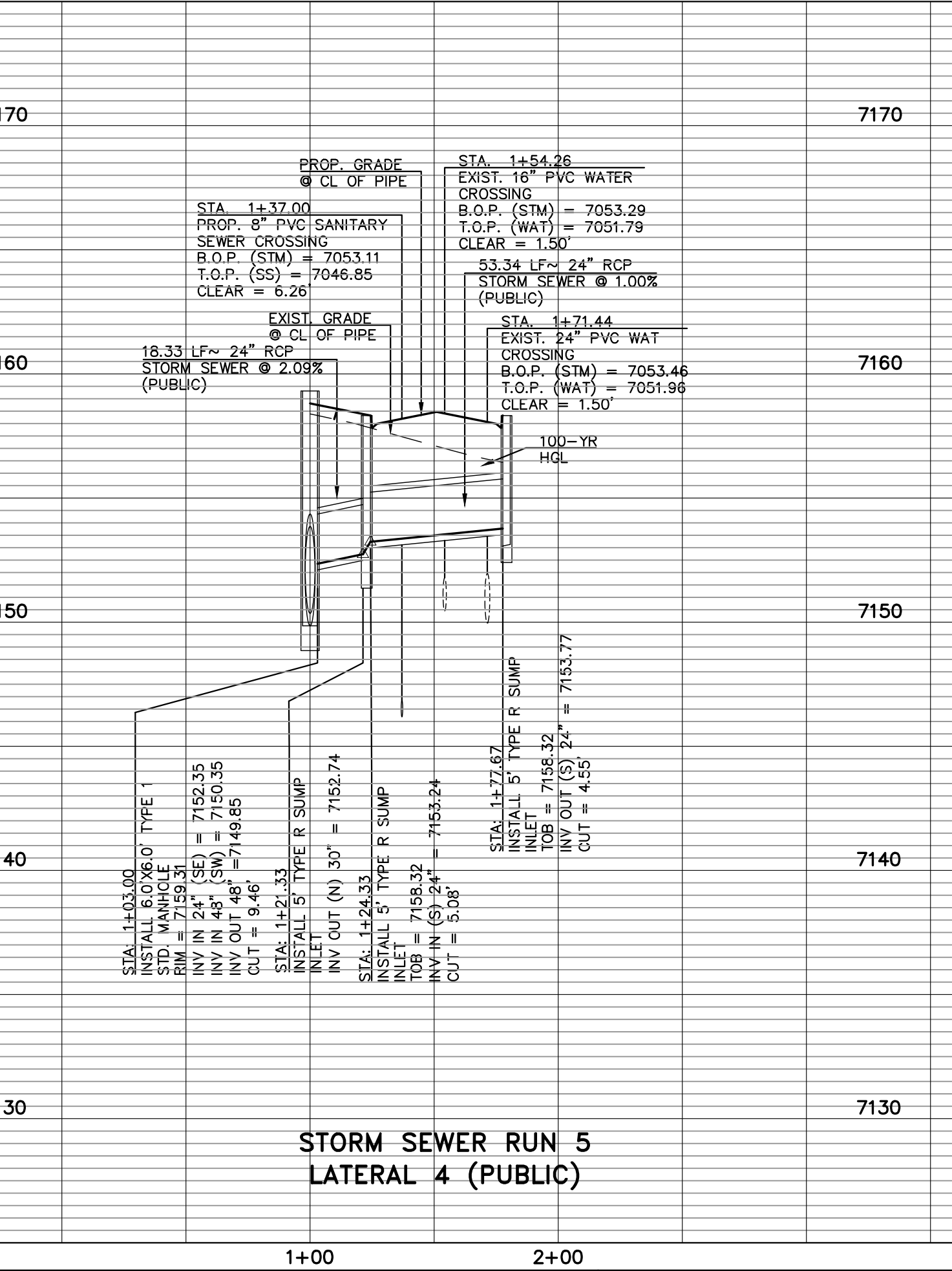
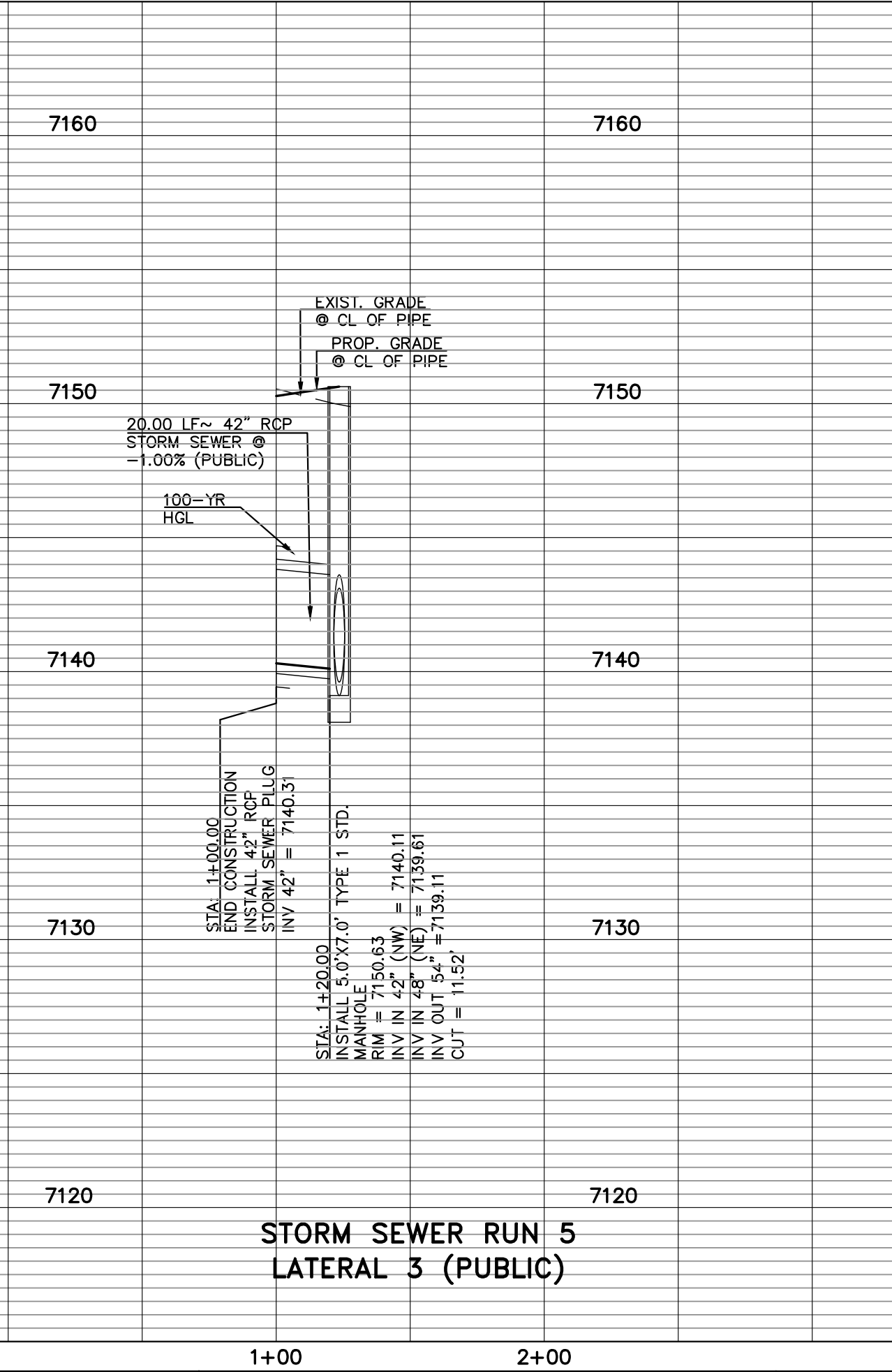
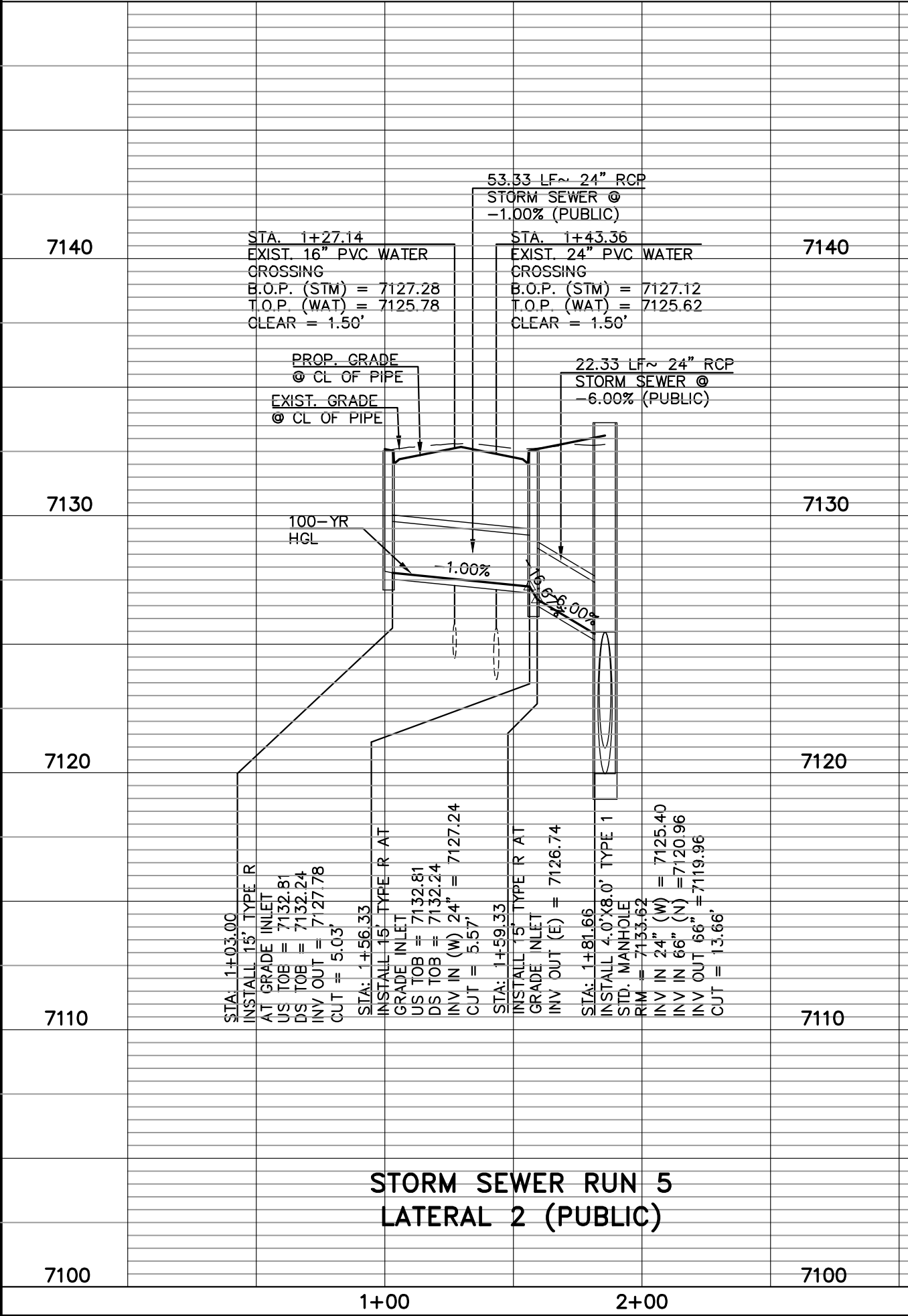
DATE: 5-1-2025
SHEET: 40 OF 49
JOB NO.: 1183.60

CLASSIC CONSULTING



STORM SEWER TABLE				
LINE	LENGTH	BEARING	SLOPE	PIPE SIZE
L46	53.33	S76°31'31"E	1.00%	24" RCP STORM SEWER
L47	22.33	S76°31'31"E	6.00%	24" RCP STORM SEWER
L48	20.00	S34°52'04"E	1.00%	42" RCP STORM SEWER
L49	18.33	S16°53'36"E	2.09%	30" RCP STORM SEWER
L50	53.34	S16°53'36"E	1.00%	24" RCP STORM SEWER
L51	23.77	S23°31'28"E	1.00%	42" RCP STORM SEWER

NOTE:
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MARC A. WHORTON, COLORADO P.E. #37155 DATE

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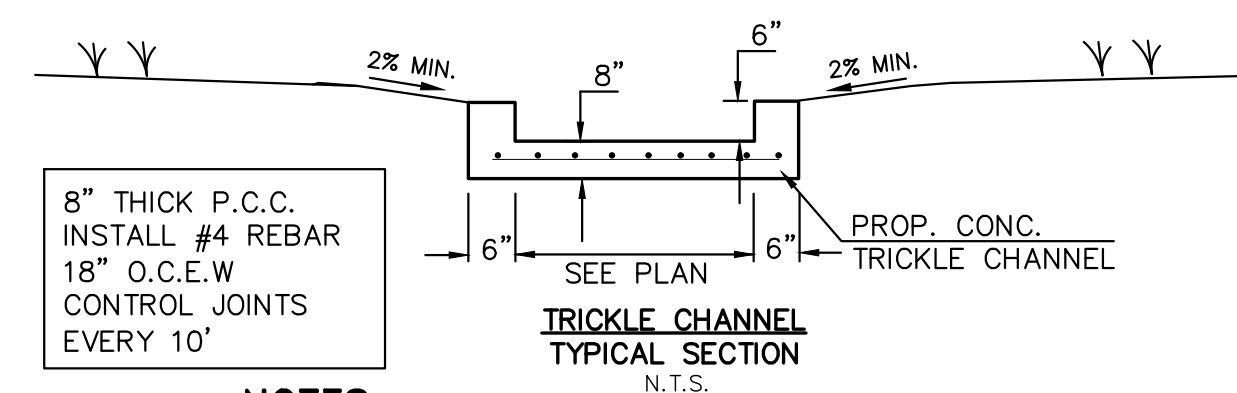
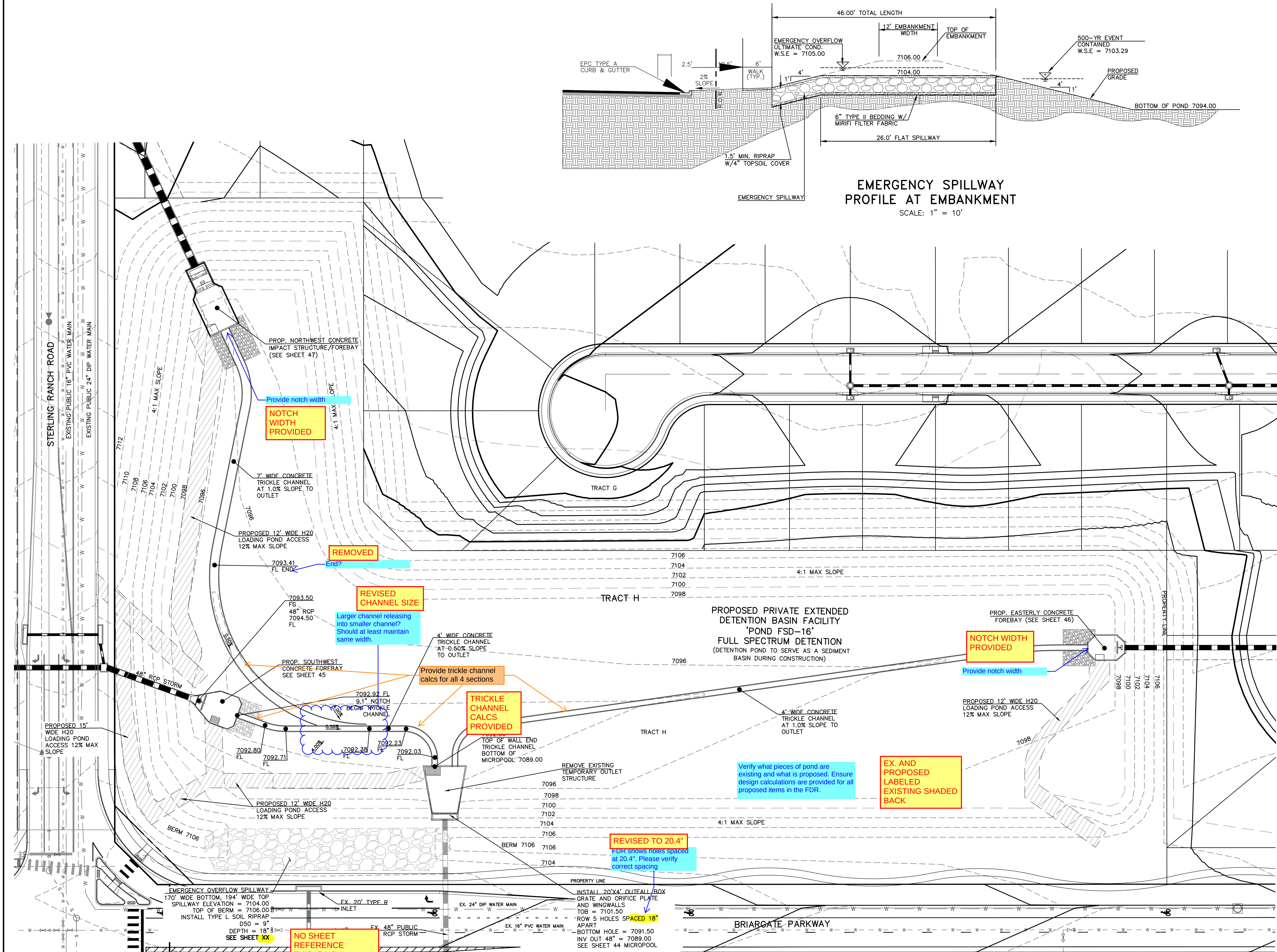
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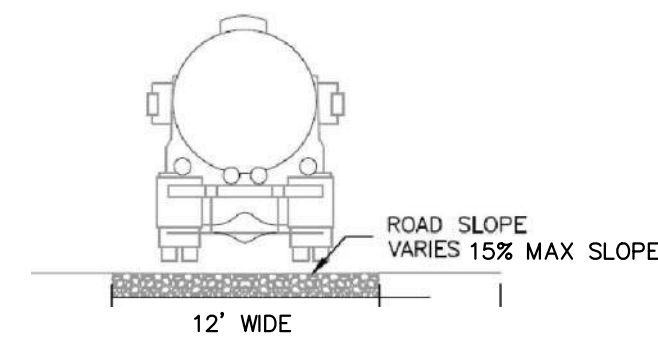
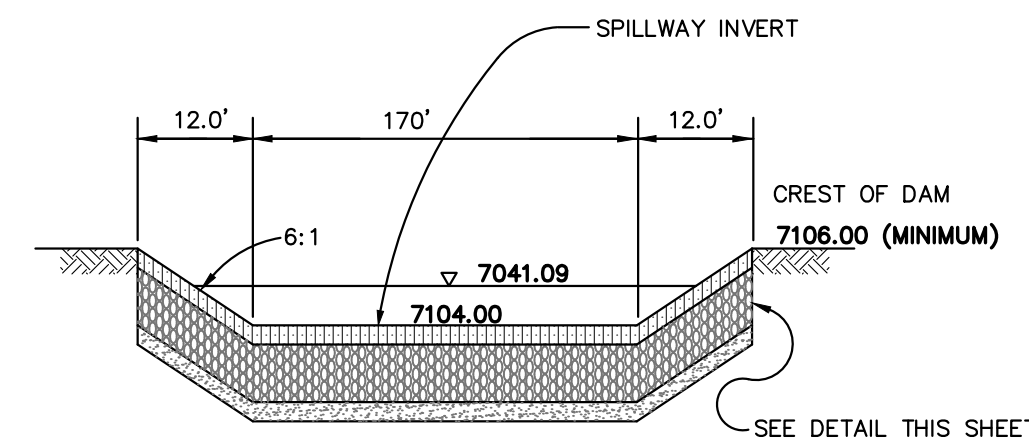
STRELING RANCH EAST FILING NO. 6
CONSTRUCTION PLANS
PUBLIC STORM SEWER PLAN

DESIGNED BY	MAW	SCALE	DATE
DRAWN BY	ESO	(H) 1" = 50'	SHEET 41 OF 49
CHECKED BY	(V) 1" = 5'	JOB NO.	1183.60

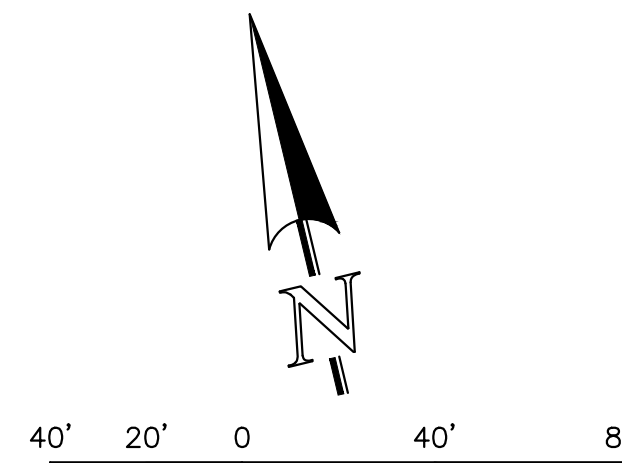
PCD No. SF-XXXX



NOTES:
- POND BOTTOM TO SLOPE TOWARD TRICKLE CHANNEL AT 2% MIN.



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.



SCALE: 1" = 40'

ADDED PROJ. NO.
PCD No. SF-XXXX

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 GAS MAIN
	EXISTING ELECTRIC

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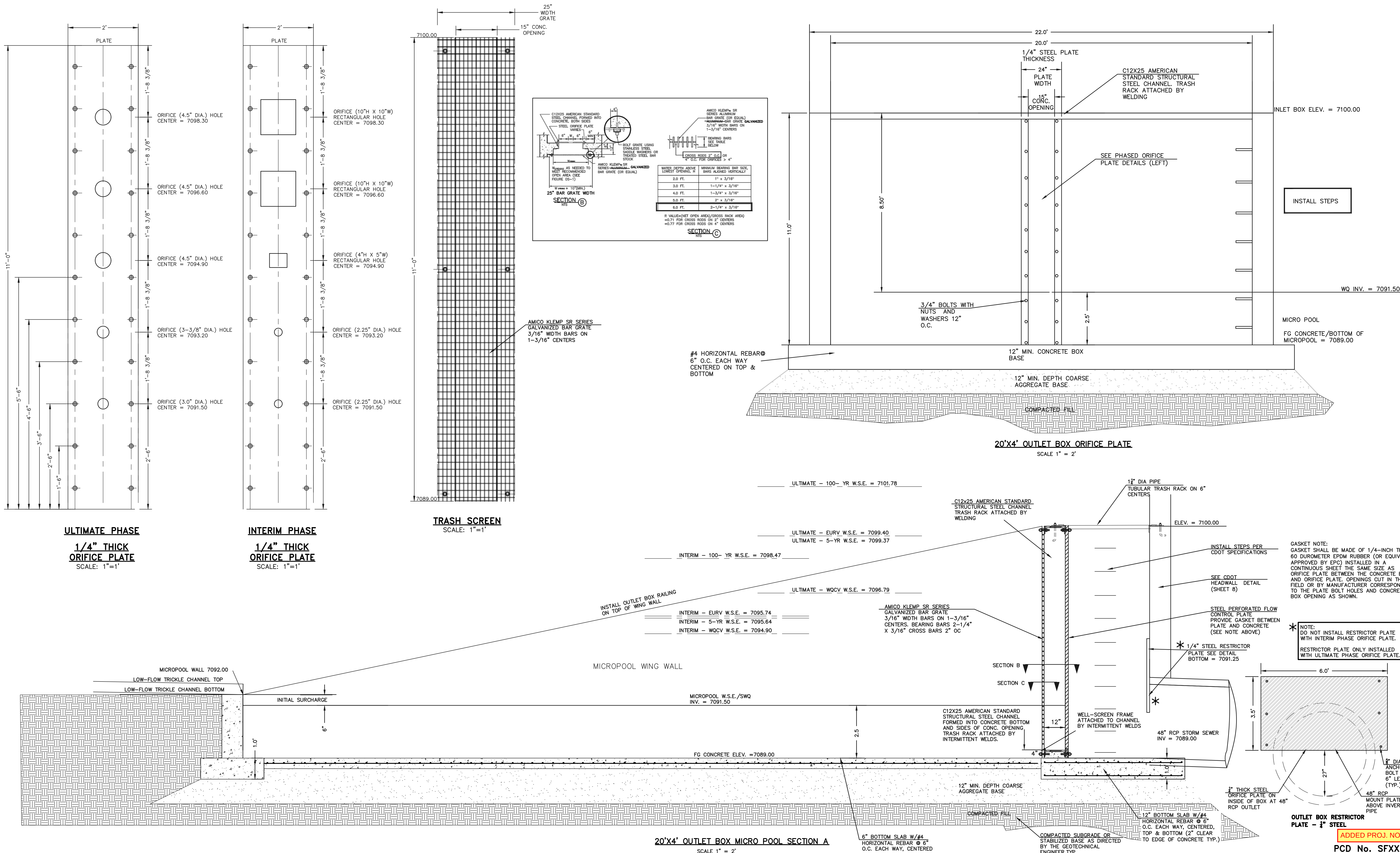
MARC A. WHORTON, COLORADO P.E. #37155 DATE



STERLING RANCH EAST FILING NO. 6 CONSTRUCTION PLANS PRIVATE EXTENDED DETENTION BASIN POND FSD-16 PLAN SHEET			
DESIGNED BY	MAW	SCALE	DATE 4/15/26
DRAWN BY	MAW	(H) 1" = 40'	SHEET 42 OF 49
CHECKED BY	(V) 1" = N/A	JOB NO.	1183.60



N:\118380\DRAWINGS\CONSTRUCTION\4-118380-POND-2-OUTLET BOX.dwg, 5/1/2026 3:42:56 PM, 1:1, KS



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Colorado Springs, Colorado 80903

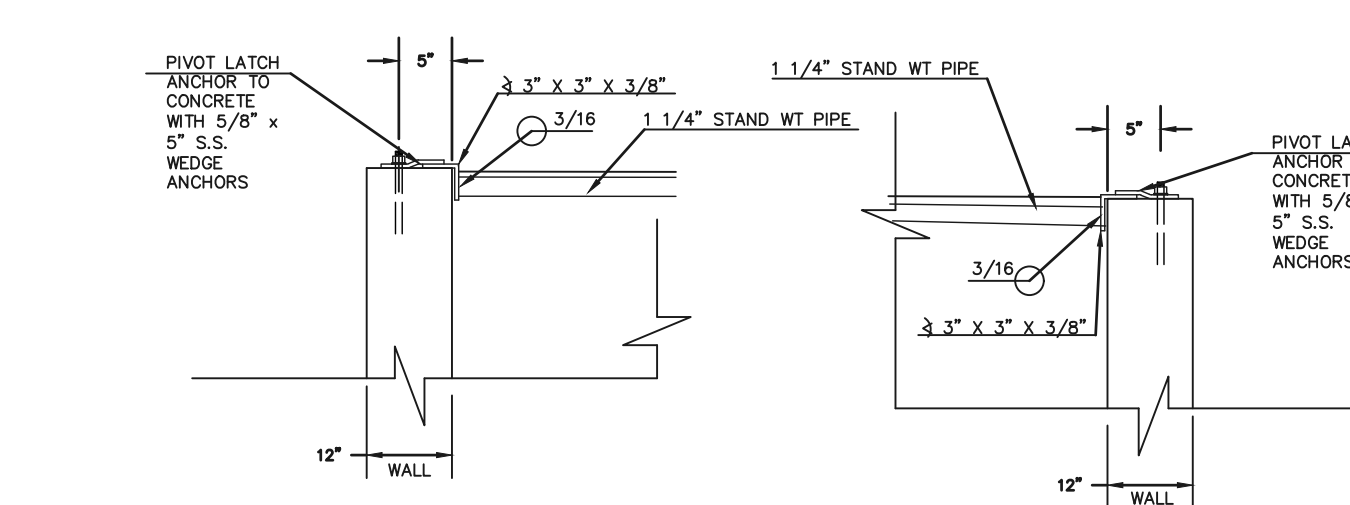
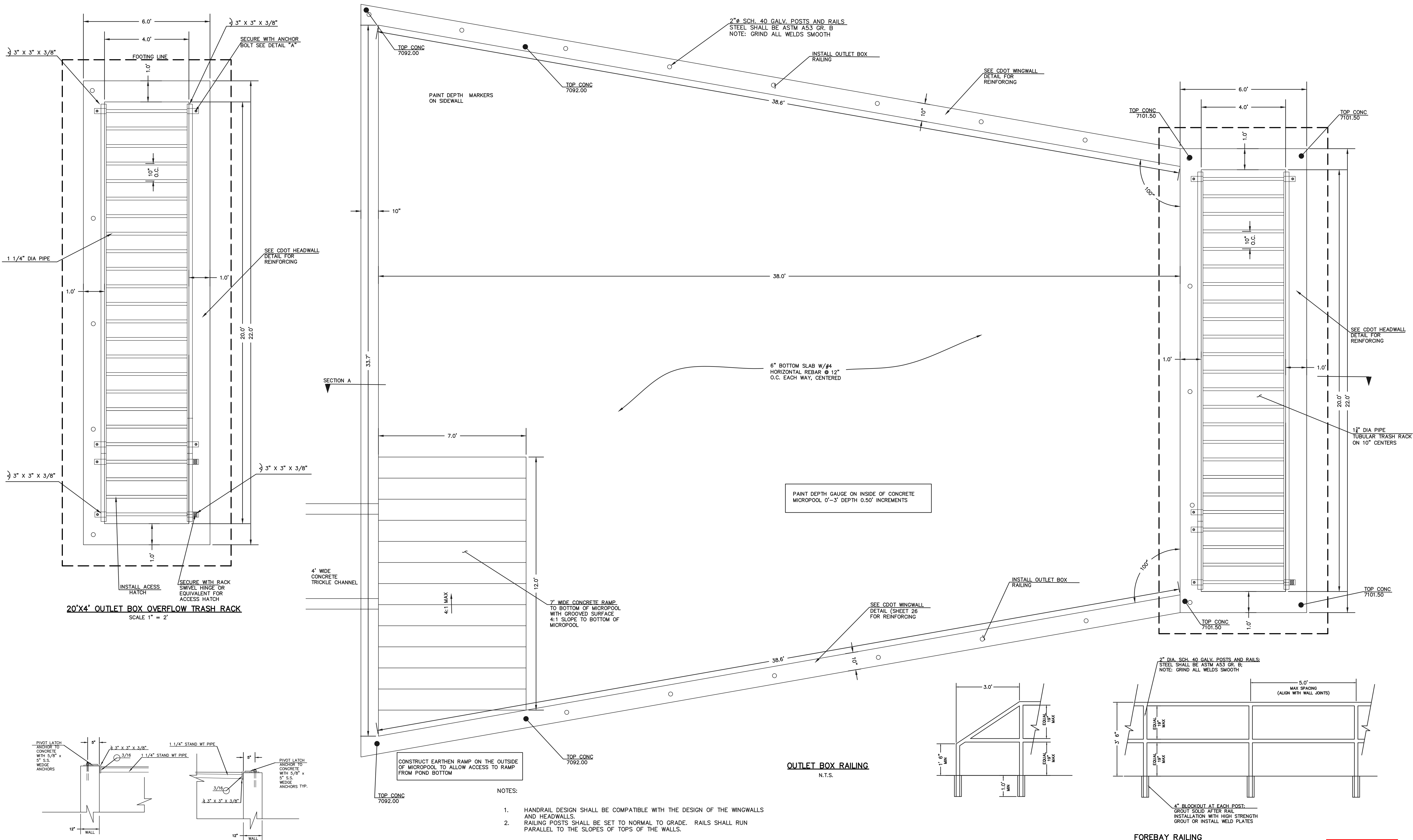
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(719) 785-0799 (Fax)

STERLING RANCH EAST FILING NO. 6
CONSTRUCTION PLANS

PRIVATE PERMANENT CONTROL MEASURE
POND FSD-16 OUTLET BOX DETAILS

DESIGNED BY	MAW	SCALE	DATE	4/21/26
DRAWN BY	MAW	(H) 1" = 5'	SHEET	43 OF 49
CHECKED BY	(V) 1" = N/A	JOB NO.	1183.60	

CLASSIC
CONSULTING



- NOTES:
- HANDRAIL DESIGN SHALL BE COMPATIBLE WITH THE DESIGN OF THE WINGWALLS AND HEADWALLS.
 - RAILING POSTS SHALL BE SET TO NORMAL TO GRADE. RAILS SHALL RUN PARALLEL TO THE SLOPES OF TOPS OF THE WALLS.

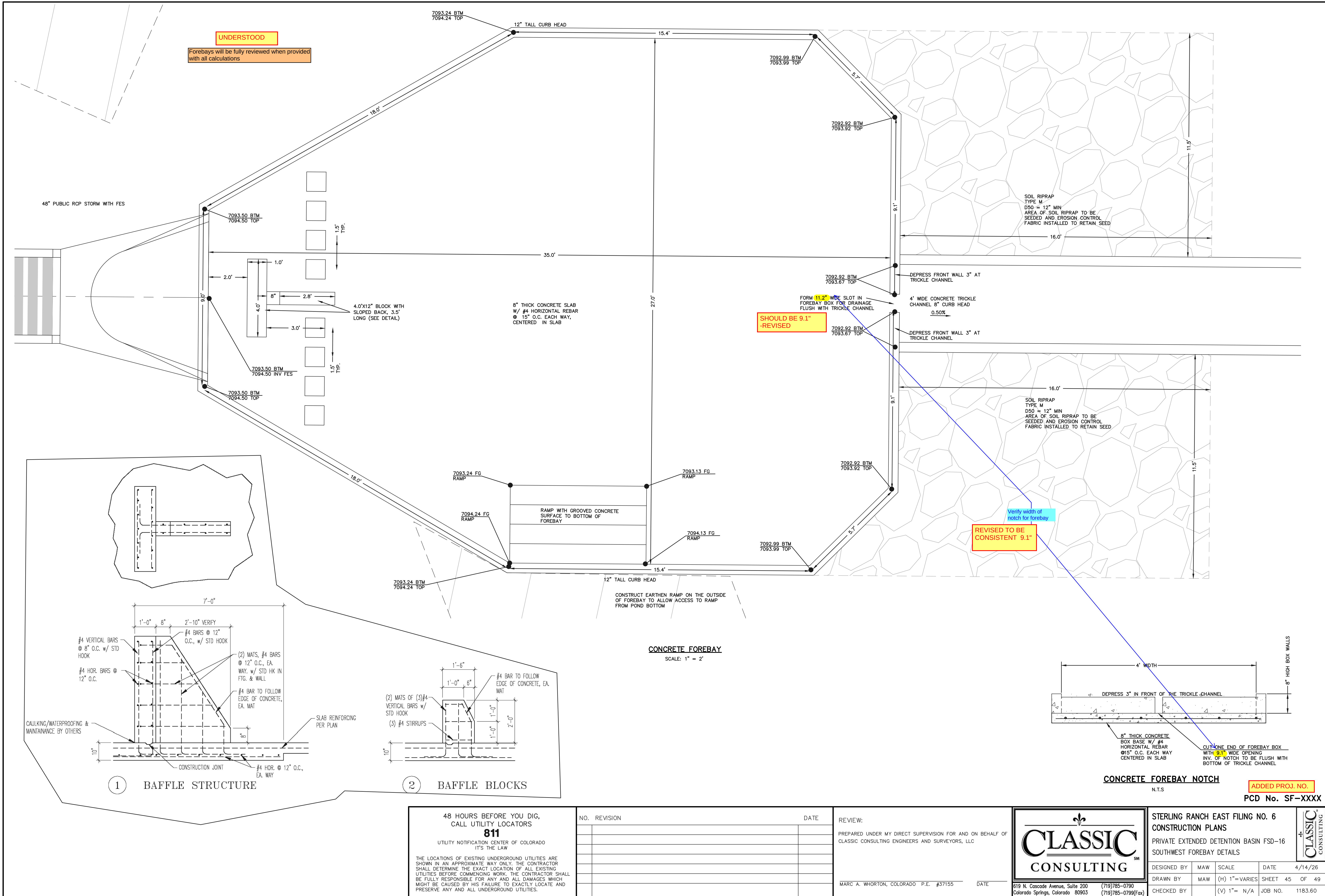
CONCRETE MICROPOOL
SCALE 1" = 2'

OUTLET BOX RAILING
N.T.S.

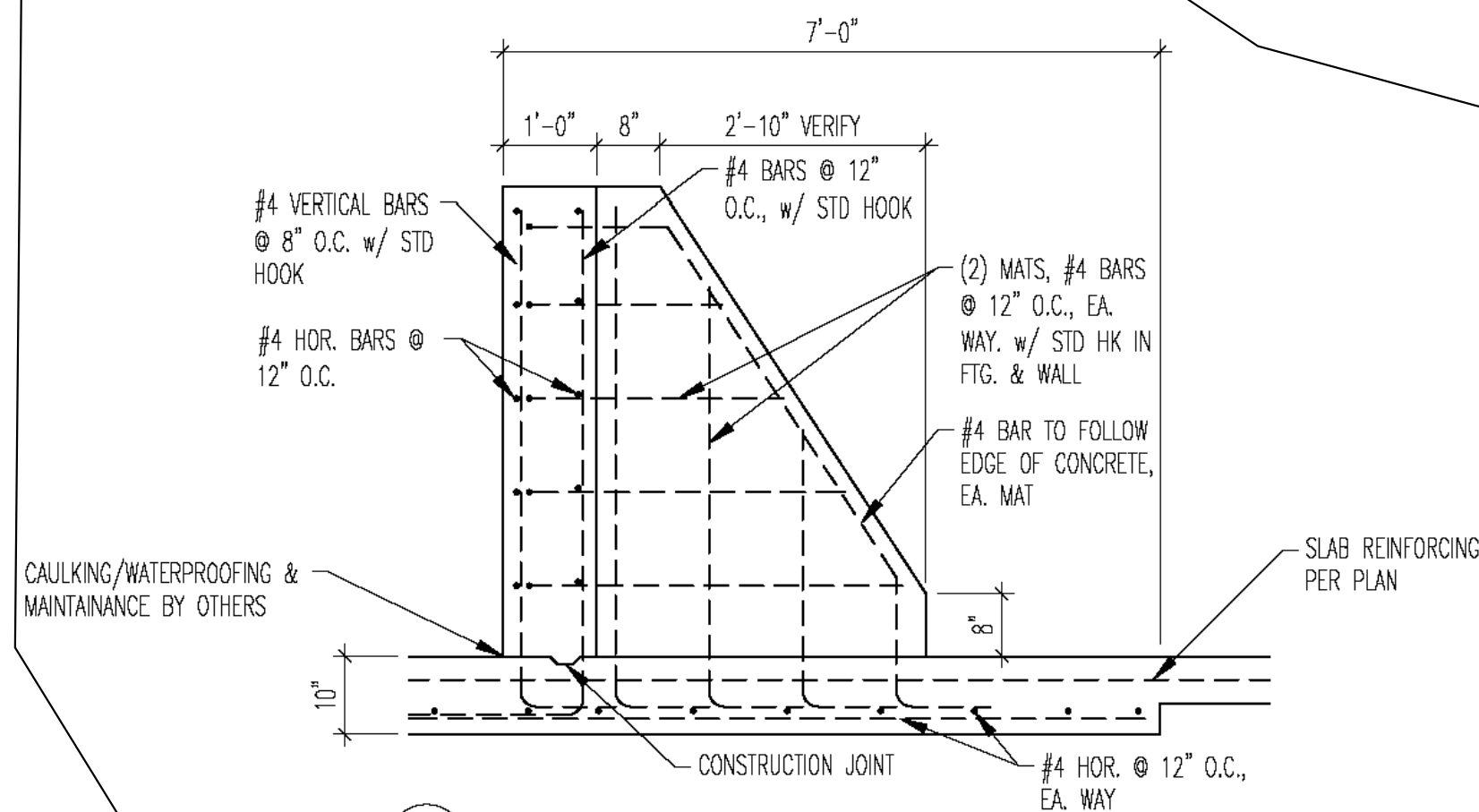
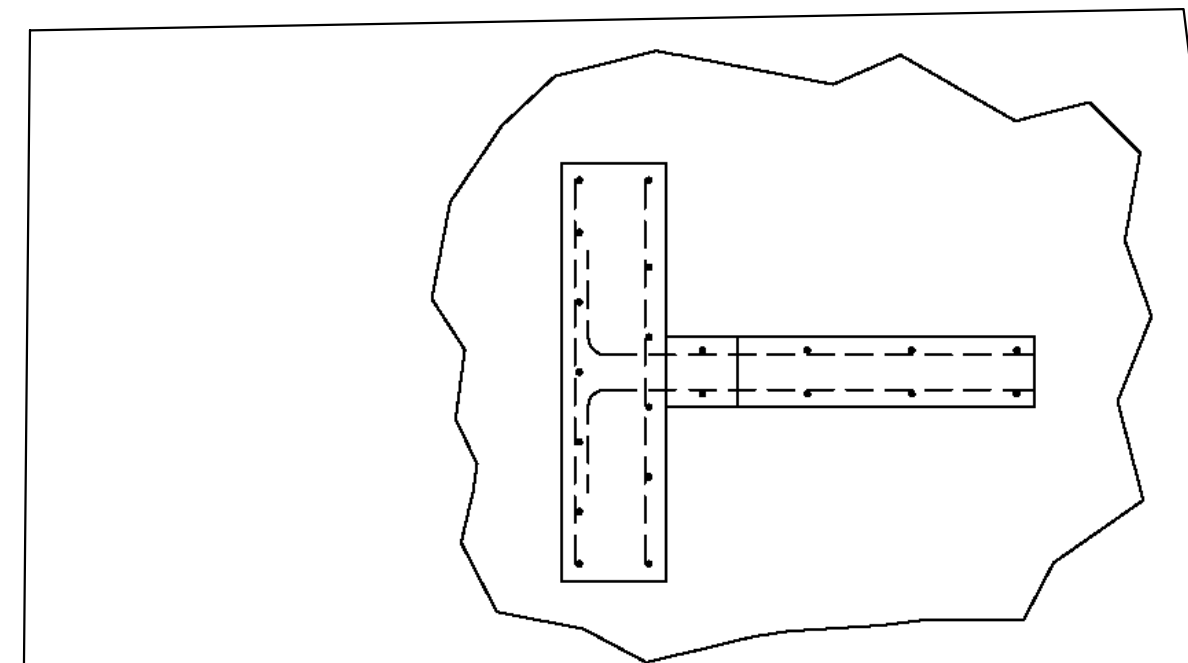
FOREBAY RAILING
N.T.S.

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS 811 UTILITY NOTIFICATION CENTER OF COLORADO 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.	<table border="1"><thead><tr><th>NO.</th><th>REVISION</th><th>DATE</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table>	NO.	REVISION	DATE																			REVIEW: PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC MARC A. WHORTON, COLORADO P.E. #37155 DATE	 619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903 (719) 785-0790 (719) 785-0799 (Fax) <table border="1"><tr><td colspan="2">STERLING RANCH EAST FILING NO. 6 CONSTRUCTION PLANS PRIVATE PERMANENT CONTROL MEASURE POND FSD-16 OUTLET BOX / MICROPOOL</td></tr><tr><td>DESIGNED BY</td><td>MAW</td></tr><tr><td>DRAWN BY</td><td>MAW</td></tr><tr><td>CHECKED BY</td><td> </td></tr><tr><td>SCALE</td><td>(H) 1" = 5'</td></tr><tr><td>DATE</td><td>4/21/26</td></tr><tr><td>SHEET</td><td>44 OF 49</td></tr><tr><td>JOB NO.</td><td>1183.60</td></tr></table>	STERLING RANCH EAST FILING NO. 6 CONSTRUCTION PLANS PRIVATE PERMANENT CONTROL MEASURE POND FSD-16 OUTLET BOX / MICROPOOL		DESIGNED BY	MAW	DRAWN BY	MAW	CHECKED BY		SCALE	(H) 1" = 5'	DATE	4/21/26	SHEET	44 OF 49	JOB NO.	1183.60
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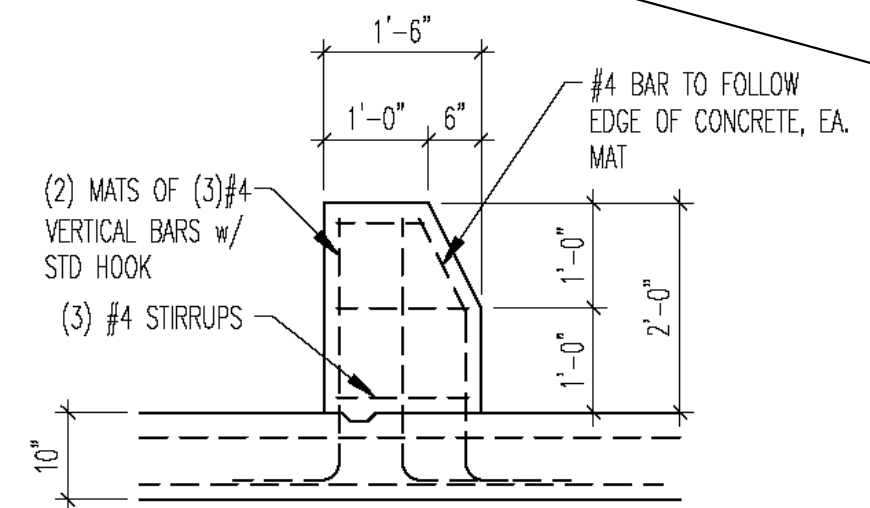
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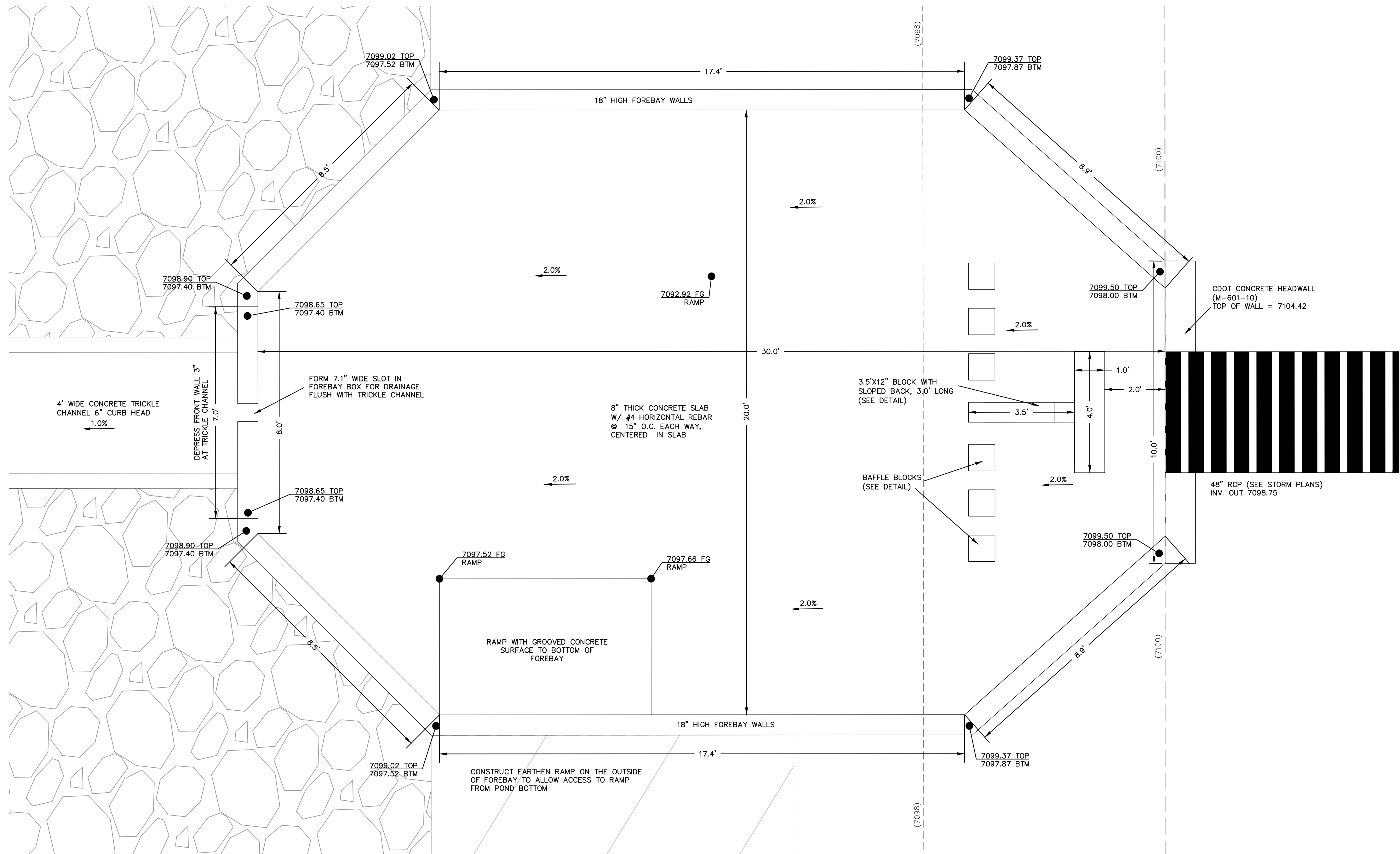
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1 BAFLE STRUCTURE

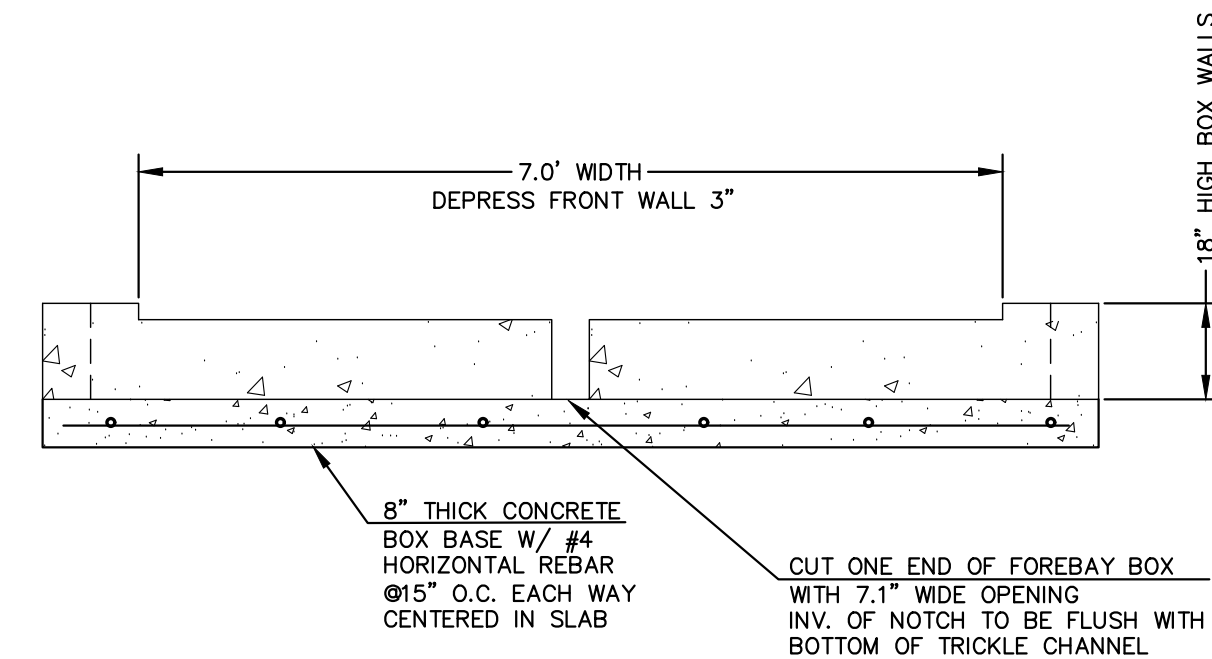


2 BAFLE BLOCKS



EASTERLY CONCRETE FOREBAY

SCALE: 1"=2'



CONCRETE FOREBAY NOTCH

N.T.S

ADDED PROJ. NO.

PCD No. SF-XXXX

48 HOURS BEFORE YOU DIG,
CALL UTILITY LOCATORS
811

UTILITY NOTIFICATION CENTER OF COLORADO
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

MARC A. WHORTON, COLORADO P.E. #37155

DATE

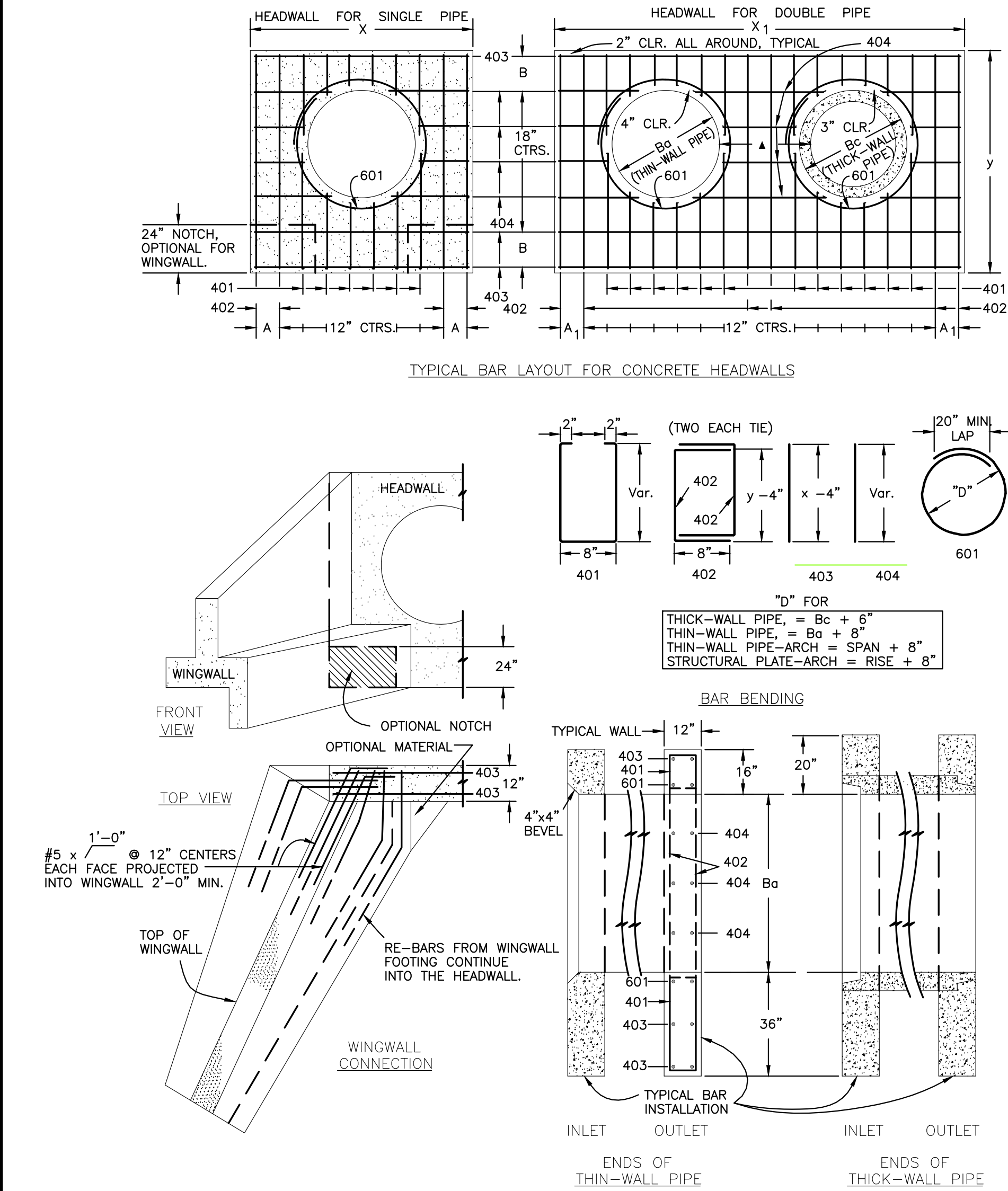


619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
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(719)785-0799(Fax)

STERLING RANCH EAST FILING NO. 6
CONSTRUCTION PLANS
PRIVATE EXTENDED DETENTION BASIN FSD-16
EASTERLY FOREBAY DETAILS

DESIGNED BY	MAW	SCALE	DATE	4/14/26
DRAWN BY	MAW	(H) 1"=VARIES	SHEET 46	OF 49
CHECKED BY		(V) 1"= N/A	JOB NO.	1183.60





DIMENSIONS										QUANTITIES					
Ba	Bc	X	A	X ₁	A ₁	y	B	X ₂	X ₃	CONCRETE	STEEL	SQ. DBL.	SQ. DBL.	SQ. DBL.	SQ. DBL.
in.	in.	ft.-in.	ft.-in.	ft.-in.	ft.-in.	ft.-in.	ft.-in.	ft.-in.	ft.-in.	cu. yd.	lbs.	cu. yd.	cu. yd.	cu. yd.	lbs.
54	65	8-9	8 1/2	15-6	7	9-2	17	20	2.12	3.55	209	364			
60	72	9-6	7	17-0	10	9-8	11	21	2.35	3.99	236	414			
66	79	10-3	11 1/2	18-6	7	10-2	14	22	2.60	4.44	249	453			
72	86	11-0	10	20-0	10	10-8	17	23	2.85	4.91	270	476			
78	93	11-9	8 1/2	21-3	11	11-2	11	24	3.11	5.29	306	527			
84	100	12-6	7	22-6	7	11-8	14	25	3.38	5.68	333	572			
90	107	13-3	11 1/2	23-9	8 1/2	12-2	17	26	3.66	6.08	335	593			
96	114	14-0	10	25-0	10	12-8	11	27	3.94	6.48	379	649			
102	121	14-9	8 1/2	26-3	11 1/2	13-2	14	28	4.24	6.89	400	664			
108	128	15-6	7	27-6	7	13-8	17	29	4.54	7.30	424	707			

HEADWALL FOR THICK - WALL ROUND PIPE

- GENERAL NOTES**
- CONCRETE SHALL BE CLASS B.
 - HEADWALL SHALL BE PERPENDICULAR TO THE CULVERT Q, UNLESS OTHERWISE SHOWN ON THE PLANS. TABULATED DIMENSIONS AND QUANTITIES MUST BE ADJUSTED FOR SKEWED INSTALLATIONS.
 - FOR WINGWALL DETAILS, SEE STANDARD M-601-20.
 - VOLUME OCCUPIED BY PIPE HAS BEEN DEDUCTED FROM STEEL AND CONCRETE QUANTITIES.
 - EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4".
 - ALL BARS SHALL HAVE A 2" MINIMUM CLEARANCE.
- ▲ WHEN TWO OR MORE CONDUITS ARE LAID SIDE BY SIDE, THEY SHALL BE PLACED SO THAT THE ADJACENT PIPES WILL BE 1/2 INSIDE DIAMETER OR 1/2 INSIDE SPAN OR 3 FEET APART (INCLUDING WALL THICKNESS) WHICHEVER IS LESS.
- ADD 0.89 x (X OR X₁) (LB.) WHEN APRON IS REQUIRED.

CDOT M-601-10 - HEADWALL DETAIL

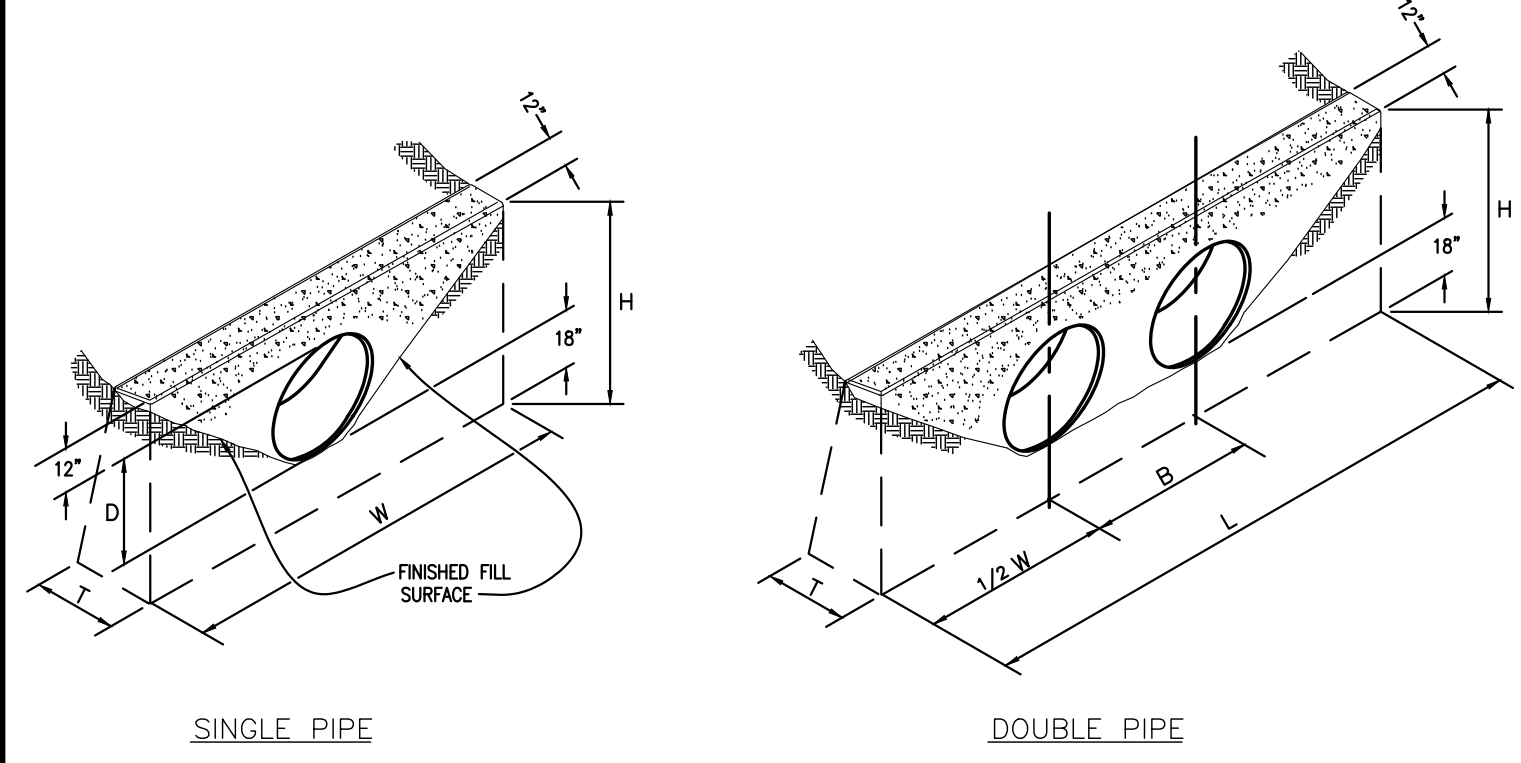
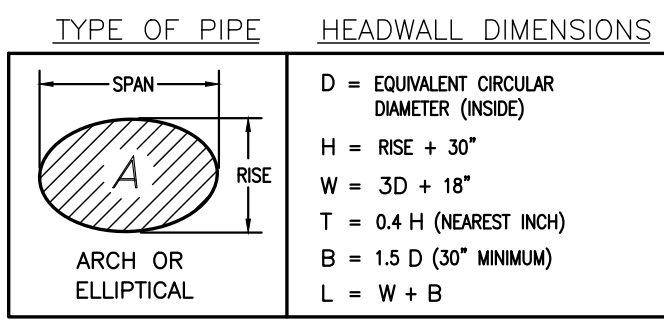
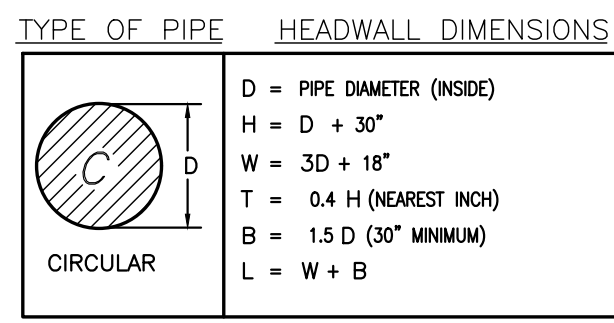


Diagram showing typical culvert outlet paving and a table of quantities for one concrete headwall.

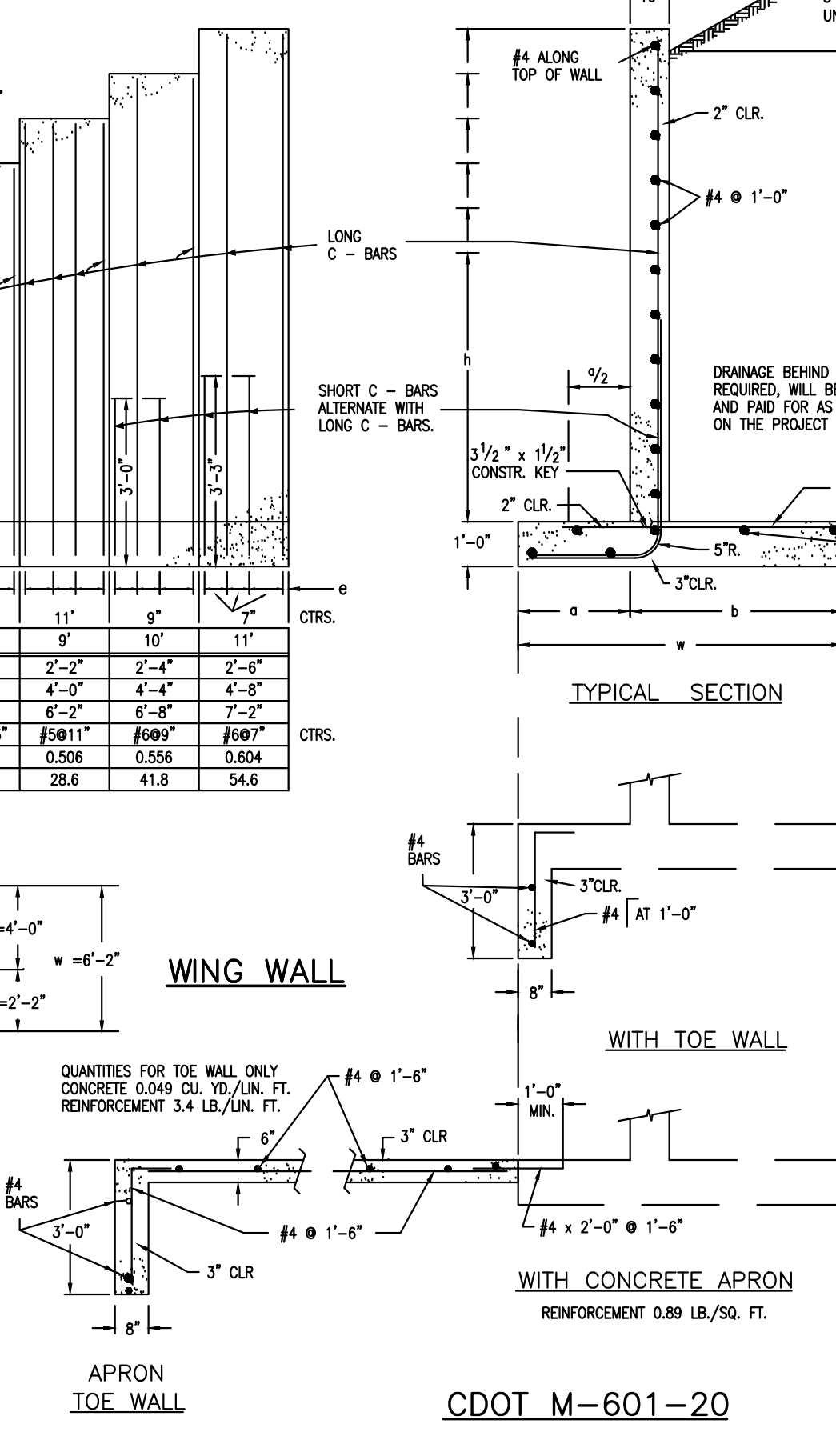
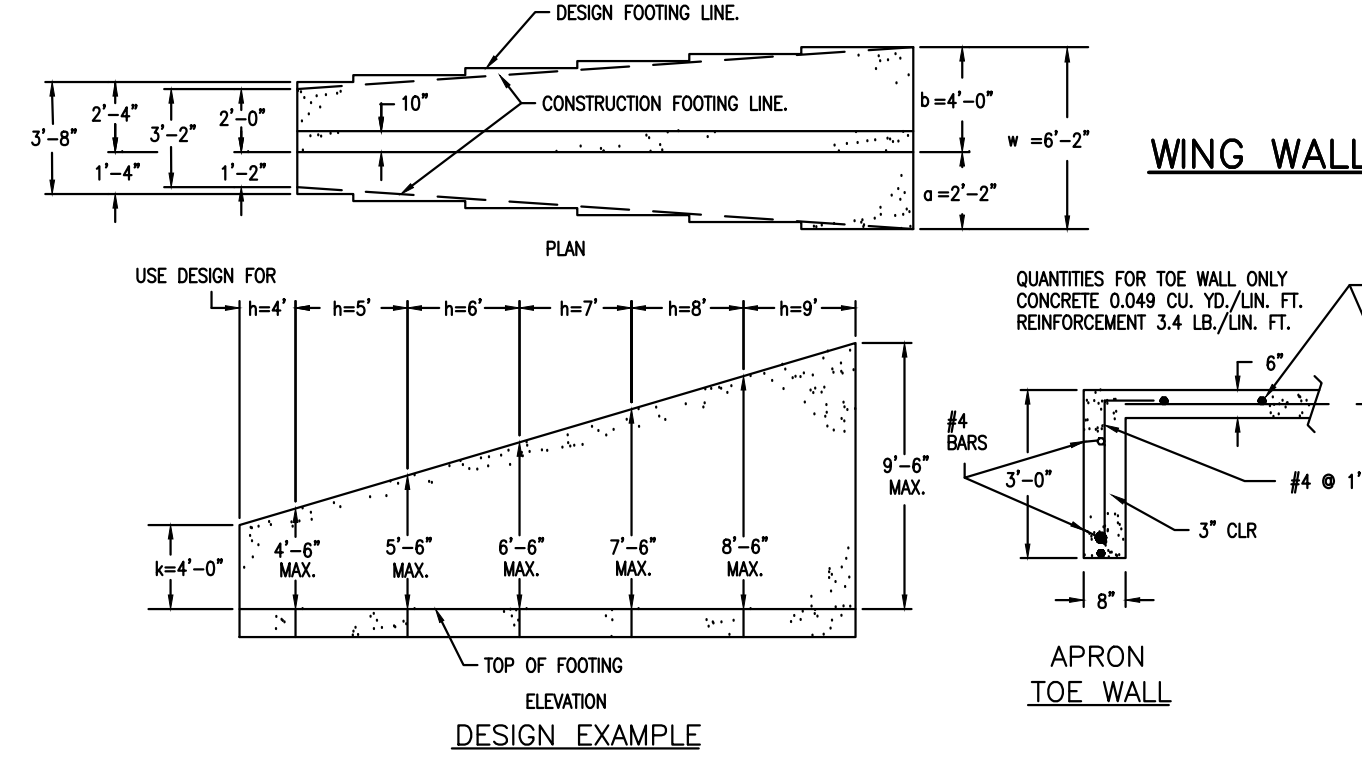
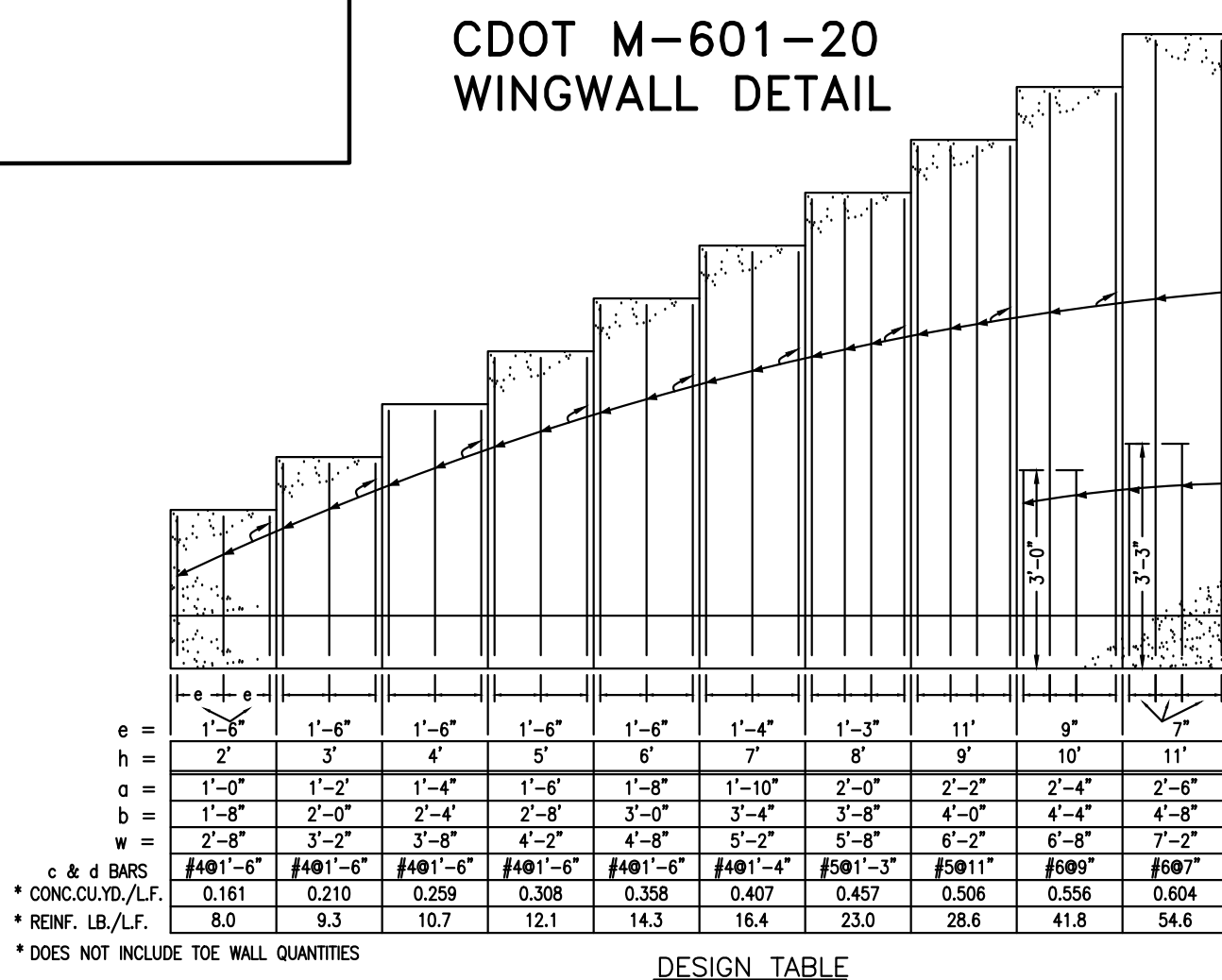
CULVERT OUTLET PAVING (CUBIC YARDS)

THICKNESS	MATERIAL	DIAMETER (INCHES)					
		18	24	30	36	42	48
4"	CONCRETE	0.4	0.8	1.2			
6"	CONCRETE				2.6	3.6	4.7
18"	RIPRAP	2.0	3.5	5.4	7.8	10.7	13.9

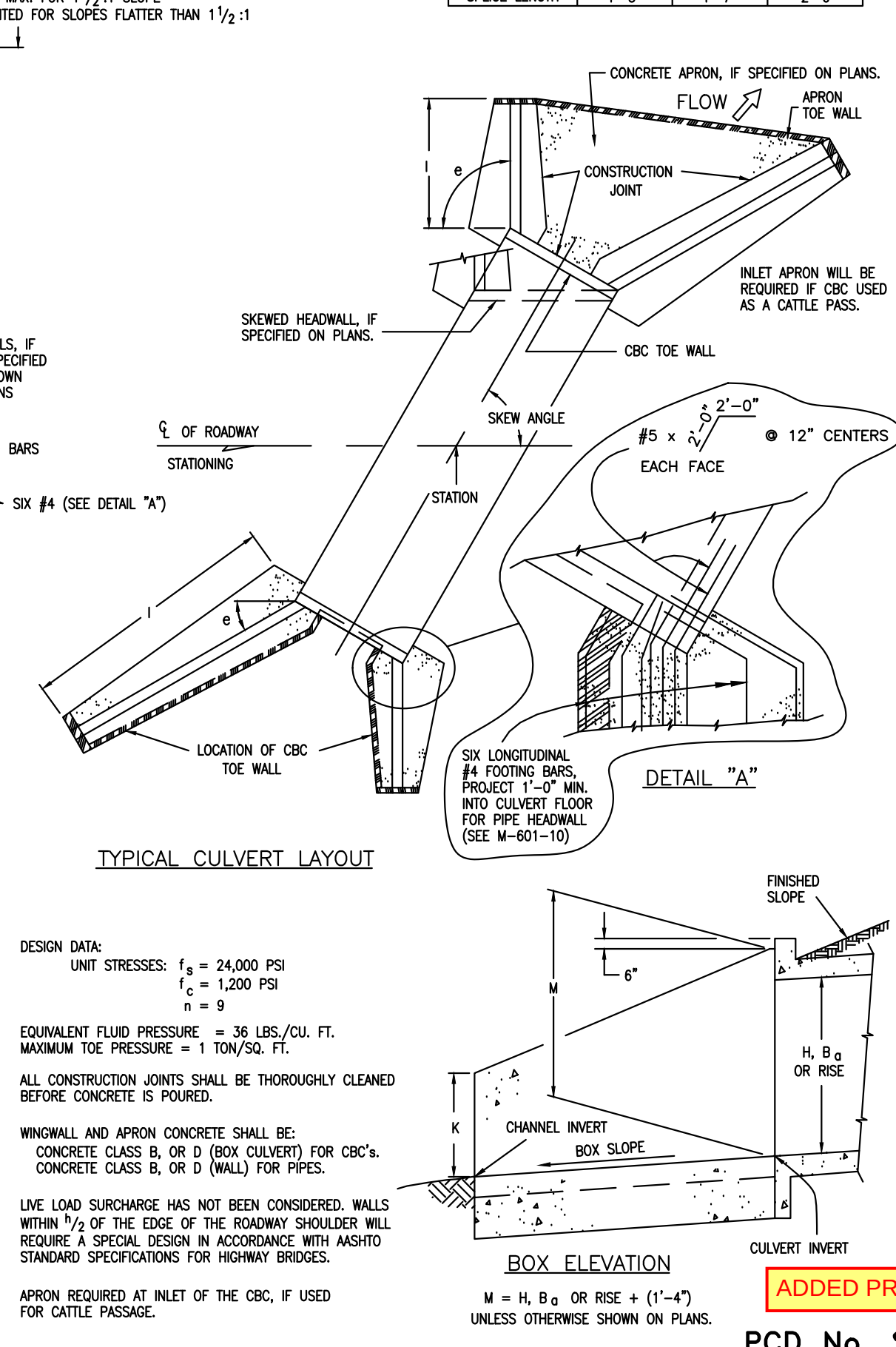


NOTE: VOLUME OCCUPIED BY PIPE HAS BEEN DEDUCTED.

CDOT M-601-20 WINGWALL DETAIL

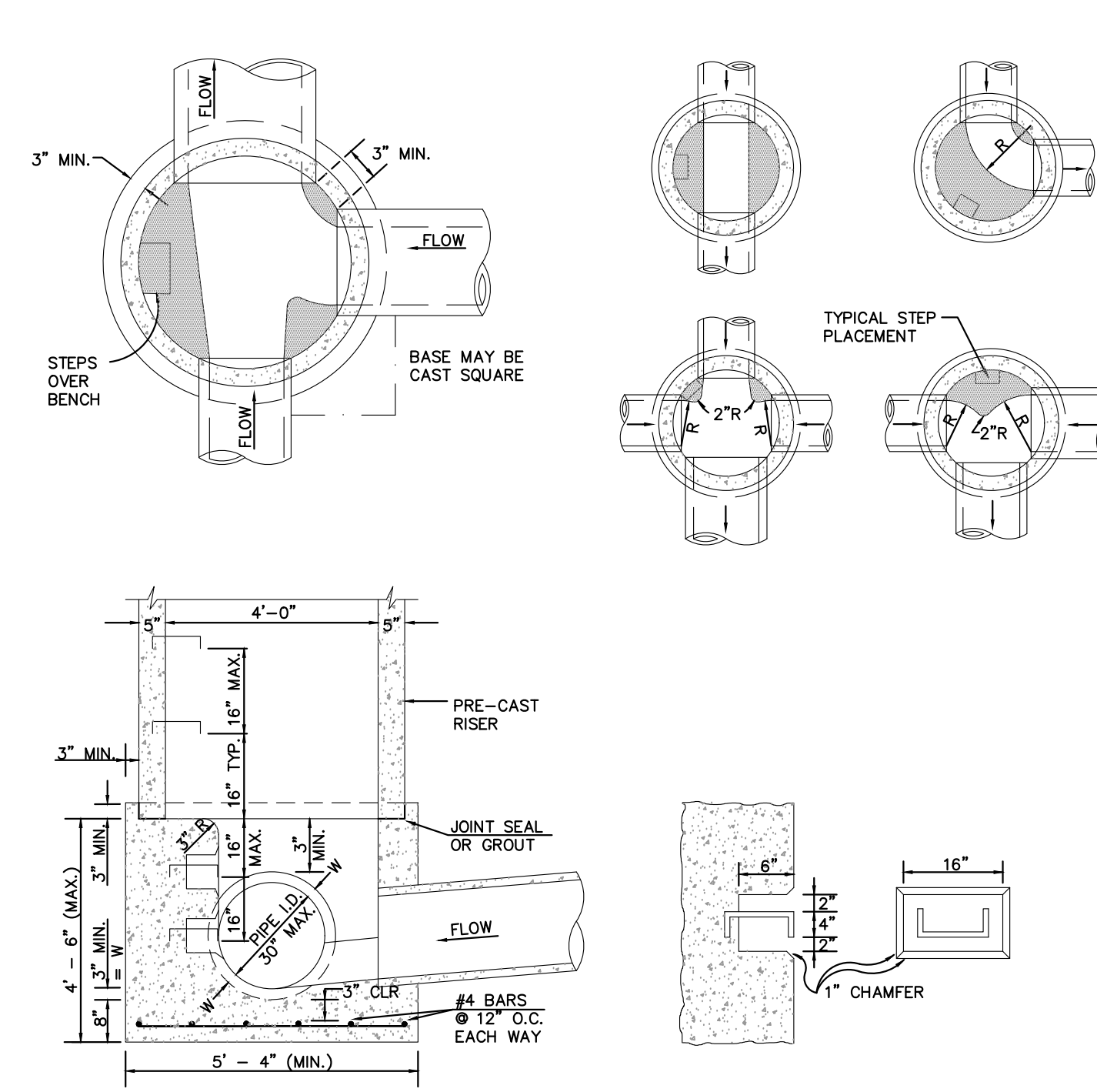


CDOT M-601-20

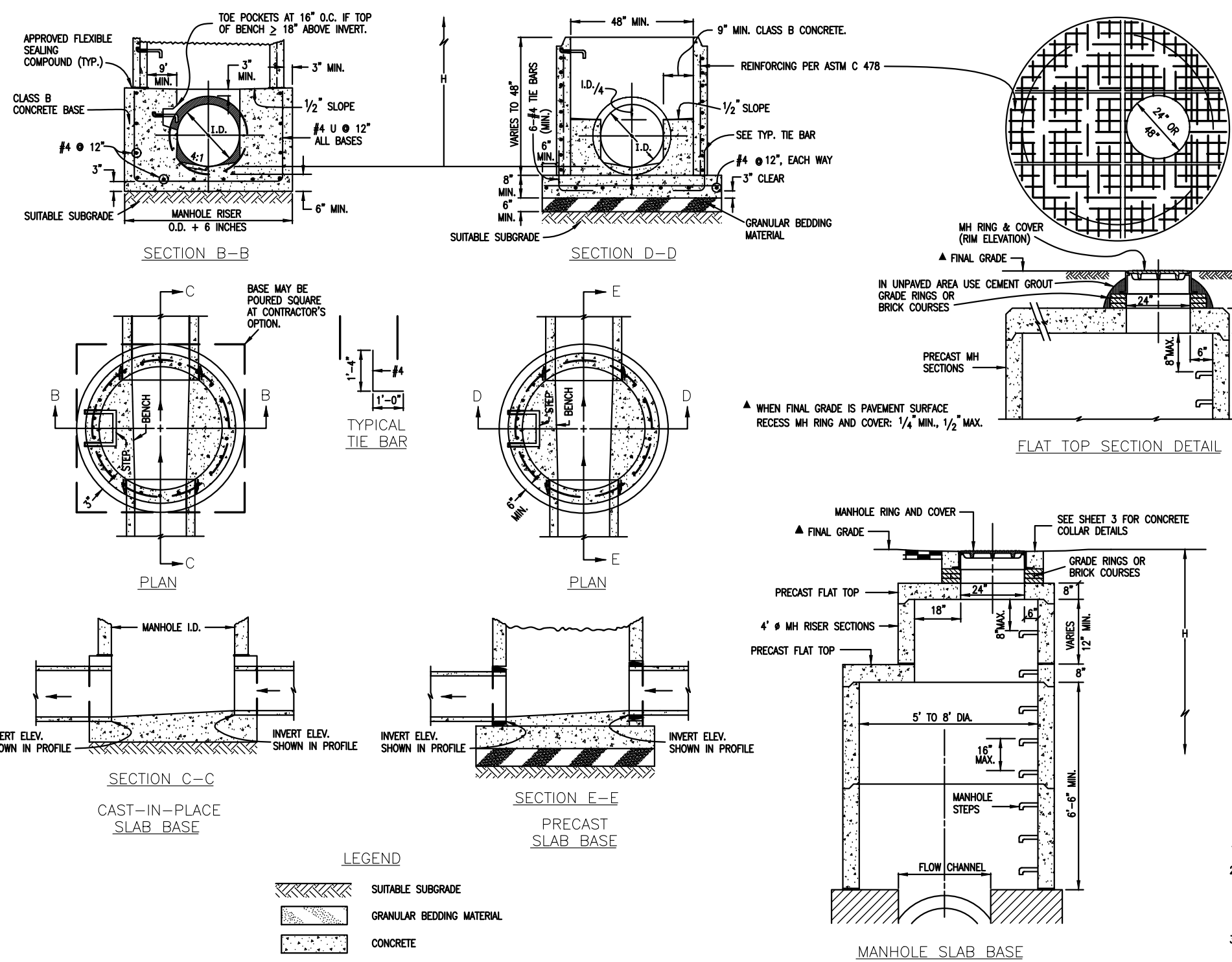


- GENERAL NOTES**
- ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4".
 - WINGWALL FOOTINGS AND FLOOR OF BOX CULVERT SHALL BE PLACED MONOTHOLICALLY.
 - DIMENSIONS "H", "Ba", "rise", "X", "Y", "m" AND ANGLES FOR WINGWALLS SHALL BE AS SHOWN ON THE PLANS.
 - REINFORCING STEEL SHALL BE GRADE 60.
 - THE MINIMUM SPLICE LENGTH FOR COMMON BAR SIZES SHALL BE:
- | BAR | #4 | #5 | #6 |
|---------------|-------|-------|-------|
| SPLICE LENGTH | 1'-3" | 1'-7" | 2'-0" |

STORM SEWER MANHOLE - TYPE II

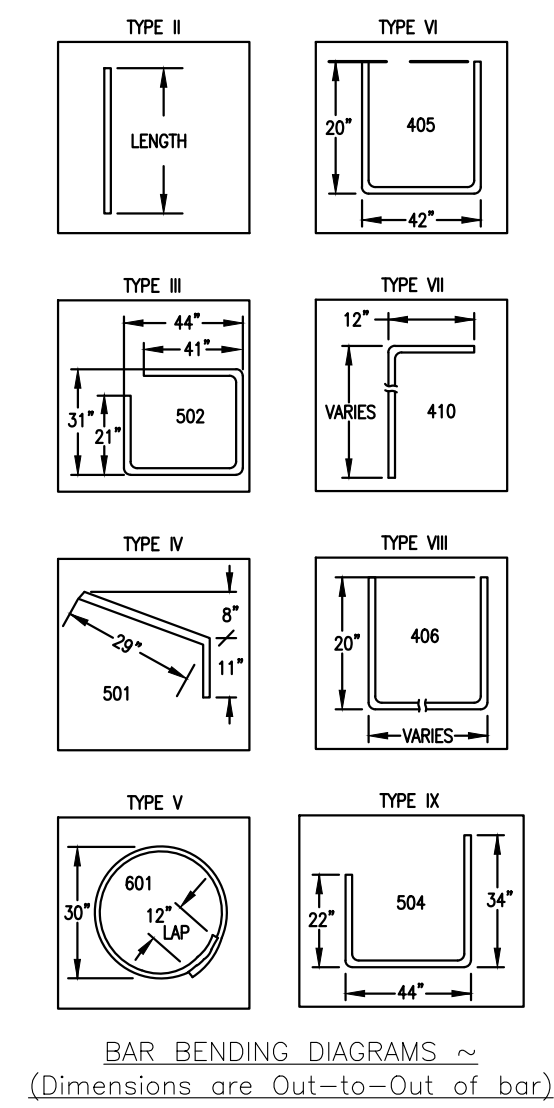
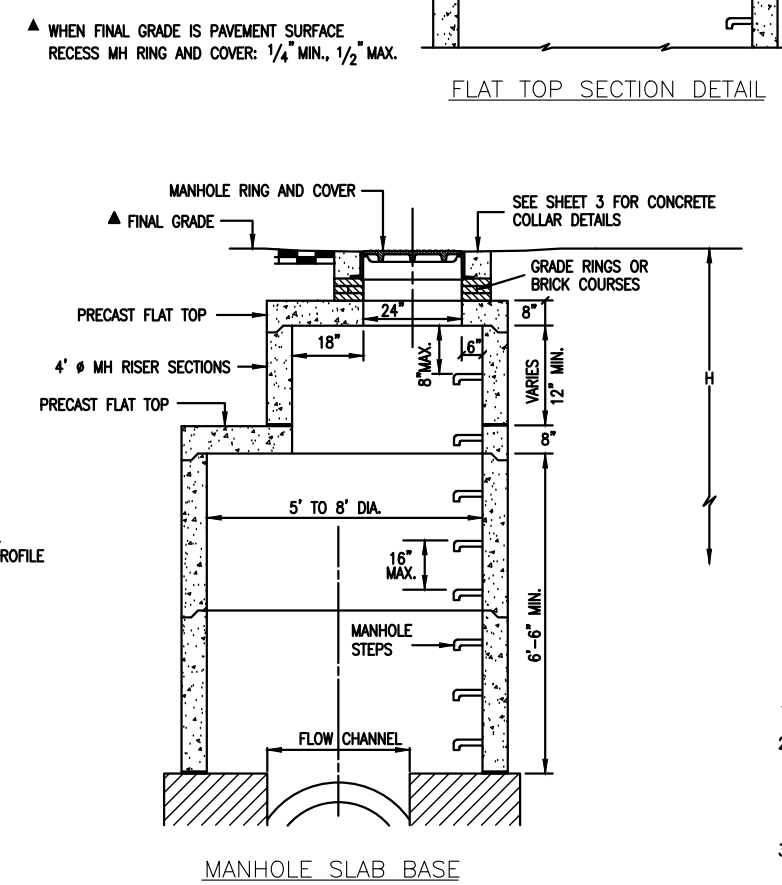
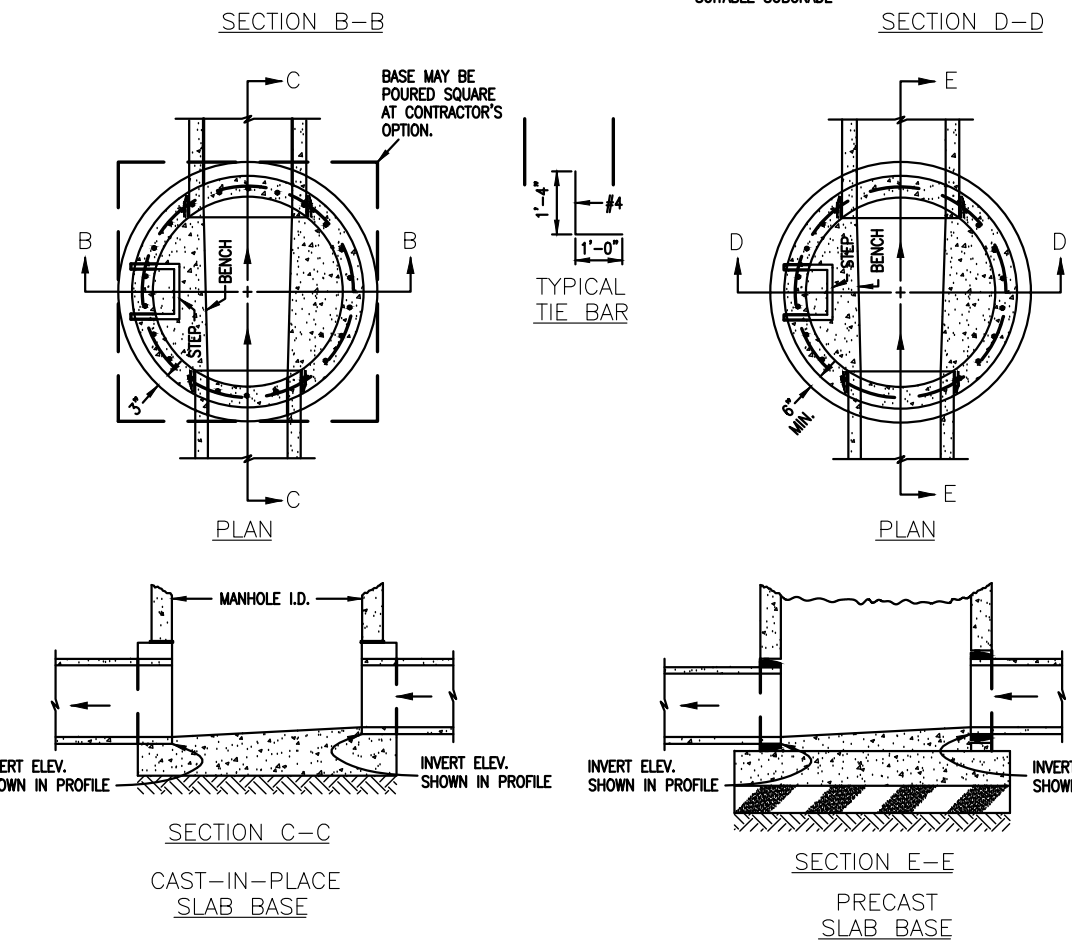


- NOTES**
- TYPE II MANHOLES SHALL BE USED ONLY WITH APPROVAL OF THE CITY ENGINEER AND ONLY WHEN THE PIPE SIZES ARE 30" OR LESS INSIDE DIAMETER.
 - VIEW AND DETAILS ARE TYPICAL. DESIGN ENGINEER SHALL DETERMINE MANHOLE BASE CONFIGURATION AND DIMENSIONS FOR PARTICULAR PIPE SIZES AND ALIGNMENT.
 - EITHER LADDER OR STEPS SHALL BE INSTALLED WHEN MANHOLE DEPTH EXCEEDS 30". STEPS IN BASE SHALL BE INSTALLED IN "TOE POCKETS" (SEE DETAIL THIS SHEET). LOWEST STEP SHALL BE A MAXIMUM OF 16" ABOVE THE FLOOR.
 - PIPES SHALL BE TRIMMED TO FINAL SHAPE AND SET BEFORE MANHOLE IS POURED.
 - BENCH SHALL BE SLOPED TOWARD CENTER OF MANHOLE BASE (4:1 MAX., 1/2" PER FT. MIN.).
 - FLOOR OF MANHOLE SHALL BE TROWELLED TO A SMOOTH, HARD SURFACE AND SHALL SLOPE TOWARDS THE OUTLET (8:1 MAX., 1/2" PER FT. MIN.). FLOOR SHALL BE SHARPED AND CHANNELLED; SEE DETAILS THIS SHEET.

[illegible]

GENERAL NOTES

1. SINCE ALL PIPE ENTRIES INTO THE BASE ARE VARIABLE, THE SLOPE OF THE SHOULDER AND THE APPROACH SHALL BE QUANTITIES FOR CONCRETE AND REINFORCEMENT SHALL BE AS REQUIRED IN THE WORK.
2. THE BREAKFAST TABLE TOP MAY BE USED ON ANY MANHOLE. THE EXISTING CONC. MAY BE SET USING THE MANHOLE "T" HEIGHT TO THE LEAST.
3. THE W/IR RING (FRAME) SHALL BE SET IN A BED OF GRAVEL. THE FRAME SHALL BE SURROUNDED WITH A COBENT GROUT IN COMPACTED SAND OR A COBENT GROUT IN COMPACTED SAND, AS SHOWN ON SHEETS 2 AND 3.
4. THE SLOPE OF BACKSLOPE SHALL BE ON STRAIGHT RUNS OF CONDUIT OR CHANGE IN DIRECTION OF LESS THAN 45°. SPECIAL DESIGN IS REQUIRED FOR 45° OR GREATER.
5. ALL MANHOLE AND INVERT AND REINFORCEMENT SHALL CONFORM TO ASTM C 478 (ASTM) W/IN.
6. CAST-IN-PLACE MANHOLE WALLS SHALL BE CLASS B CONCRETE.
7. STEPS SHALL BE REQUIRED FOR ALL MANHOLE DEPTHS EXCEEDING 3 FT.-4 IN. AND SHALL BE IN ACCORDANCE WITH ASTM D 199.
8. ALL REINFORCING STEEL SHALL HAVE A MINIMUM YIELD STRENGTH OF 60,000 PSI. ALL REINFORCING SHALL BE APPROX. 1/2" DIA. OF WALL. ALL BARS SHALL HAVE A 2" MINIMUM CLEARANCE.
9. ALL PIPE ENTRIES INTO THE BASE OF MANHOLE SHALL BE REINFORCED BY STEEL COLUMNS. THE APPROX. SIZE, SHAPE, SLOPE, AND DIRECTION OF FLOW. DETAILS SHOWN ARE FOR INFORMATION ONLY. THE EXACT DETAILS SHALL BE SHOWN IN THE SPECIFICATIONS. SPECIAL BASE/CHAMFER DETAILS WILL BE SHOWN ON THE PLANS.
10. FLOW CHANNELS AND INVERTS SHALL BE FORMED BY SHAPING WITH CLASS B CONCRETE.
11. STUB-OUTS SHALL EXTEND 2 FT. MINIMUM BEYOND OUTSIDE WALL OF MANHOLE.
12. CHECK WITH THE LOCAL GOVERNMENT AUTHORITY FOR ANY ADDITIONAL SANITARY SEWER SPECIFICATIONS, DETAILS, OR REGULATIONS.
13. THE SLOPE OF THE MANHOLE COVER SHALL MATCH THE ROADWAY SLOPE.

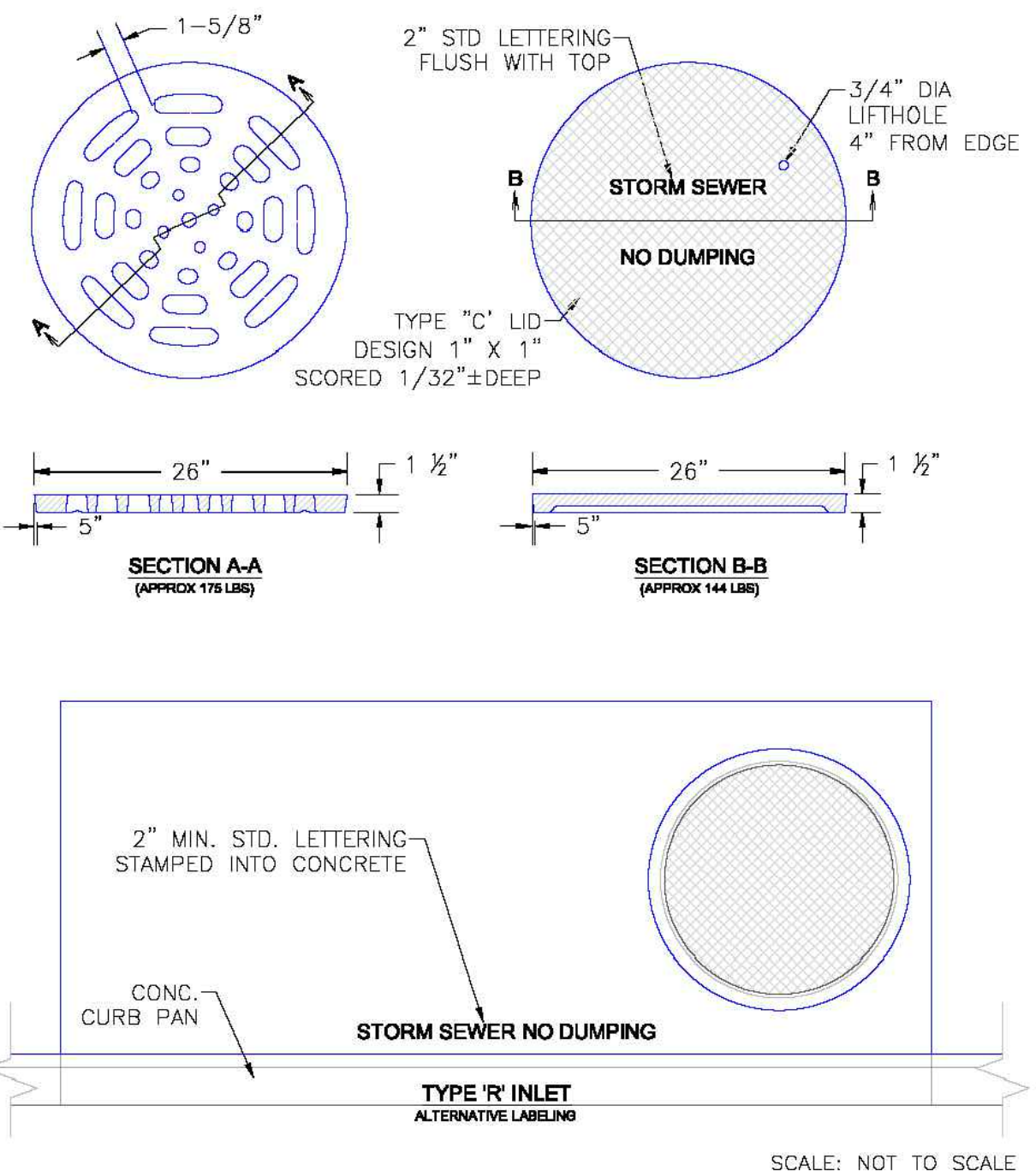


PRECAST MANHOLE BASES:

BASE SLAB SHALL BE POURED MONOLITHICALLY WITH BOTTOM RISER SECTION.

MANHOLE BASES SHALL FIT THE CONDITIONS AND LOCATIONS FOR WHICH THEY ARE INTENDED WITHOUT ANY FIELD MODIFICATIONS. ANY MANHOLE BASE WHICH REQUIRES FIELD CUTTING OR MODIFICATION IN ORDER TO FIT THE LOCATIONS DESIRED WILL BE REJECTED BY THE ENGINEER AND REMOVED AND REPLACED BY THE CONTRACTOR AT NO COST TO THE DEPARTMENT.

MANHOLE BASES SHALL BE BEDDED ON AN APPROVED GRANULAR BEDDING MATERIAL AS SHOWN ABOVE.



9/16/10	Storm Sewer Manhole Details Standard Drawing		
DATE APPROVED: André P. Brackin DEPARTMENT OF TRANSPORTATION	REVISION DATE: 9/16/10	FILE NAME: SD_3-5	

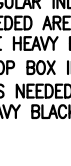
TABLE ONE ~ BAR LIST FOR CURB INLETS, TYPE "R"													
MARK	DIA. IN.	O.C. SPACING	TYPE	ALL INLETS			H ≥ 5'			INLETS, H ≥ 5'			
				L = 5'-0"		10'		15'		10'		15'	
				NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH
401	1/2"	11"	II	15	*	21	*	26	*	11	*	11	*
402		11"	II	7	*	13	*	18	*	7	*	7	*
403		9"	II	*	4'-10"	*	4'-0"	*	4'-0"	*	4'-0"	*	4'-10"
405	1/2"	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'-10"	3	16'-10"	3	11'-10"	3	16'-10"
409		8"	II	6	5'-10"	6	10'-10"	6	15'-10"	6	10'-10"	6	15'-10"
410		11"	VII							3		3	
411	1"	11"	II						3	5'-2"	3	10'-2"	
412		11"	II						3	2'-8"	3	2'-8"	
413		9"	II						7	10'-10"	7	15'-10"	
501	5/8"	5 1/2"	IV	11	3'-4"	22	3'-4"	33	3'-4"	22	3'-4"	33	3'-4"
502		5 1/2"	III						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	3/4"	5 1/2"	IX								5	8'-4"	
601		2 1/2"	V	2	8'-10"	2	8'-10"	2	8'-10"	2	8'-10"	4	8'-10"
601B.5				1	5'-10"	1	10'-10"	1	15'-10"	1	10'-10"	1	15'-10"

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

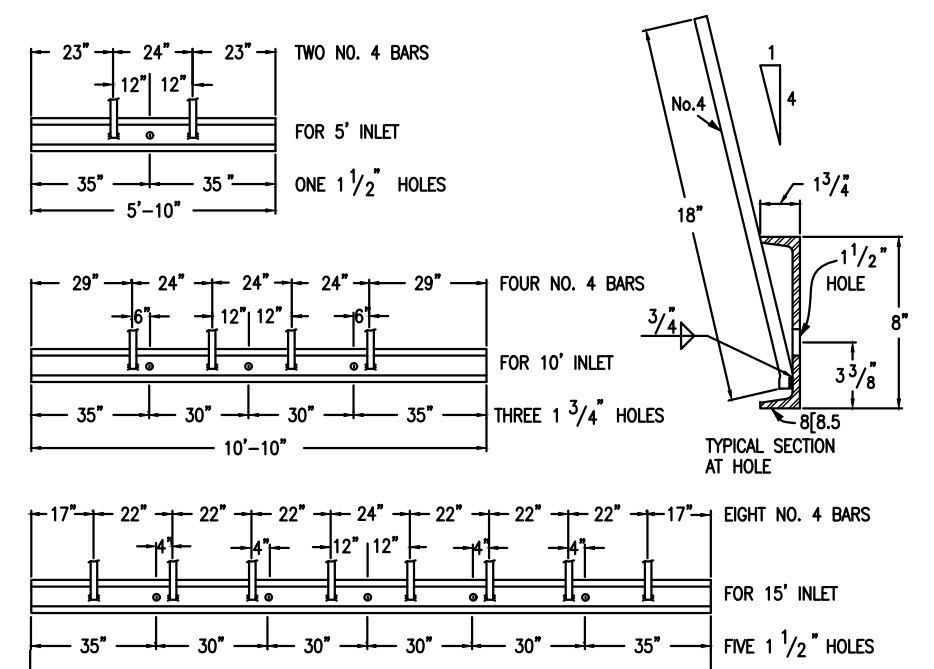
* NUMBER OF REQ'D. TO TABLE TWO

TABLE 20 ~ BARS AND QUANTITIES VARIABLE WITH "H"													
H"	LENGTH		NO. BEQ'D REGULAR		NO. BEQ'D DROP BOX		L=5'		L=15'				
	401	402	410	403	407	403	407	CUYD.CONC.	LB.STEL	CUYD.CONC.	LB.STEL		
3'-0"	2'-8"	2'-8"	10	7	7	3.2	3.85	5.3	497	7.4	708		
3'-6"	2'-8"	2'-2"	10	7	7	3.4	396	5.3	528	7.9	747		
4'-0"	3'-8"	2'-8"	12	9	9	3.7	326	6.0	559	8.4	786		
4'-6"	4'-2"	3'-2"	12	9	9	3.9	334	6.4	571	8.8	803		
5'-0"	4'-8"	3'-8"	14	11	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	12	5.3	430	6.9	664	8.3	907
8'-0"	7'-8"	6'-8"	5'-11"	22	19	22	15	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
9'-0"	8'-8"	7'-8"	6'-11"	24	21	24	14	6.0	479	7.6	711	9.0	954
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	1002
11'-0"	10'-8"	9'-8"	8'-11"	30	27	30	20	6.9	547	8.5	779	9.9	1021

NOTE: FOR $L=5'$, $L=10'$ AND $L=15'$
REGULAR INLETS: TOTAL QUANTITIES
NEEDED ARE OUTSIDE OF
THE HEAVY BLACK LINE.
DROP BOX INLETS: TOTAL QUANTITY-
NEEDED ARE INSIDE OF THE
HEAVY BLACK LINE.



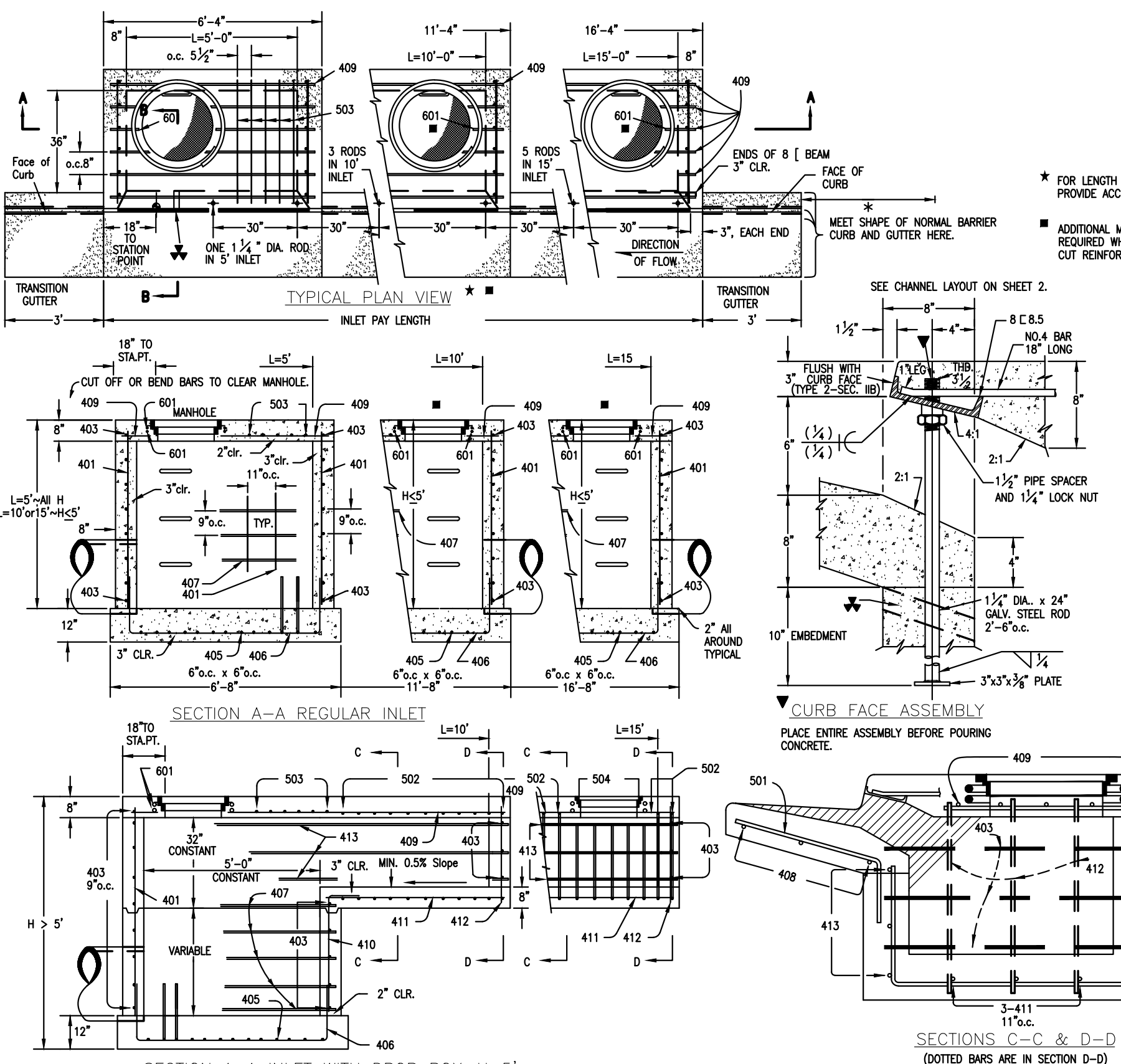
STEEL WEIGHTS DO NOT
INCLUDE STRUCTURAL
STEEL.



CHANNEL LAYOUT DETAILS

GENERAL NOTES

1. ALL CONCRETE SHALL BE CLASS B.
2. CONCRETE WALLS SHALL BE FORMED ON BOTH SIDES AND SHALL BE 8 IN. THICK.
3. INLET STEPS SHALL BE IN ACCORDANCE WITH ASHMTD M 119.
4. CURB FACE ASSESSMENT SHALL BE COMPLETED AFTER WEAVING.
5. EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 1/4 IN. CURBS AND GUTTER CORNERS SHALL BE FINISHED TO MATCH THE EXISTING CURBS AND GUTTER BEYOND THE TRANSITION GUTTER.
6. REINFORCING BARS SHALL BE DEFORMED AND SHALL HAVE A 2 IN. MINIMUM CLEARANCE. ALL REINFORCING BARS SHALL BE EPOXY COATED.
7. DIMENSIONS AND WEIGHTS OF TYPICAL MANHOLE RING AND COVER ARE NOMINAL.
8. MATERIAL FOR MANHOLE RINGS AND COVERS SHALL BE GRAY OR DUCITILE CAST IRON CONFORMING TO 712.06.
9. SLOPE PIPE DUTY INTO THE LIDETS ARE VARIABLE. THE DIMENSIONS SHOWN ARE TYPICAL. ACTUAL DIMENSIONS AND QUANTITIES FOR CONCRETE AND REINFORCEMENT SHALL BE AS REQUIRED IN THE WORK. QUANTITIES INCLUDE VOLUMES OCCUPIED BY PIPE.
10. STRUCTURAL STEEL SHALL BE GALVANIZED AND SHALL CONFORM TO THE REQUIREMENTS OF 712.06.



SECTIONS C-C & D-D
(DOTTED BARS ARE IN SECTION D-D)

NOTE: MANHOLE RING & COVER, STATION AND OUTFLOW PIPE SHALL BE LOCATED AT THE SAME END OF THE INLET.

ADDED PROJ. NO.
PCD No. SF-XXXX

NO.	REVISION	DATE

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.

REVIEW:

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

MARC A. WHORTON, COLORADO P.E. #37155	DATE
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CLASSIC
CONSULTING
ENGINEERS & SURVEYORS

STERLING RANCH EAST FILING NO. 6
CONSTRUCTION PLANS
DETAIL SHEET

DESIGNED BY	MAW	SCALE	DATE	5-1-2025
DRAWN BY	MAW	(H) 1"= 5'	SHEET 35	OF 35
CHECKED BY		(V) 1"= N/A	JOB NO.	1183.60

CLASSICSM
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ENGINEERS & SURVEYORS