CONTACT LIST

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GREENWOOD VILLAGE, CO 80111

CONTACT: GRANT NELSON 720–897–6091

ENGINEER

RICK ENGINEERING COMPANY
9801 E. EASTER AVE.
CENTENNIAL, CO 80112
PHONE: 303.537.8020
CONTACT: TROY BALES

SURVEYOR

RICK ENGINEERING COMPANY
5690 WEBSTER ST.
ARVADA, CO 80002
PHONE: 303.403.2433
CONTACT: ROBERT HENNESSY

PARKER PUBLIC WORKS

20120 E. MAINSTREET
PARKER, CO. 80138
STREETS – MIKE WAUGH
STORM WATER – JACOB JAMES 303–840–9546

TOWN OF PARKER POLICE DEPARTMENT

19,600 E. PARKER SQUARE DR.
PARKER, CO. 80134 303–841–9800

PARKER WATER AND SANITATION DISTRICT

18100 E. WOODMAN DR.
PARKER, CO. 80134 303–841–4627

FIRE & LIFE SAFETY

RANDALL CAPRA
20120 E. MAINSTREET
CENTENNIAL, CO 80138 303–205–3169

UTILITY NOTIFICATION COMPANY OF COLORADO

2801 SOUTH YOUNGFIELD ST, SUITE 301
GOLDEN, CO 80401 800–922–1987
LOCAL CALLS (811)

XCEL ENERGY

MICHELLE O'NAN
5909 E. 38TH AVE.
DENVER, CO 80207 303–329–1618

COMCAST

KEVIN YOUNG
6850 S. TUCSON WAY
ENGLEWOOD, CO 80112 720–490–3867

CENTURY LINK

WILLIAM BENSON
9750 E. COSTILLA AVE.
ENGLEWOOD, CO 80220 303–792–6069

COLORADO DEPARTMENT OF HEALTH

4210 E. 11TH AVE.
DENVER, CO 303–320–8333

INTERMOUNTAIN RURAL ELECTRIC ASSOCIATION

JASON JENKS
5496 NORTH US HWY 85
P.O BOX DRAWER A
SEDALIA, CO 80135 303–688–3100

URBAN DRAINAGE FLOOD CONTROL DISTRICT (UDFCD)

MIKE SARMENTO
2480 W. 26THA AVE.
SUITE 156–B
DENVER, CO 80211 303–455–6277

BASIS OF BEARINGS:

THE SOUTH LINE OF THE SOUTHEAST QUARTER OF SECTION 29 TOWNSHIP6 SOUTH, RANGE 66 WEST, 6TH P.M. BEARING SOUTH 89°15'13" WEST AS SHOWN ON FINAL PLAT DOUGLAS 234 FILING NO. 1

BENCHMARKS:

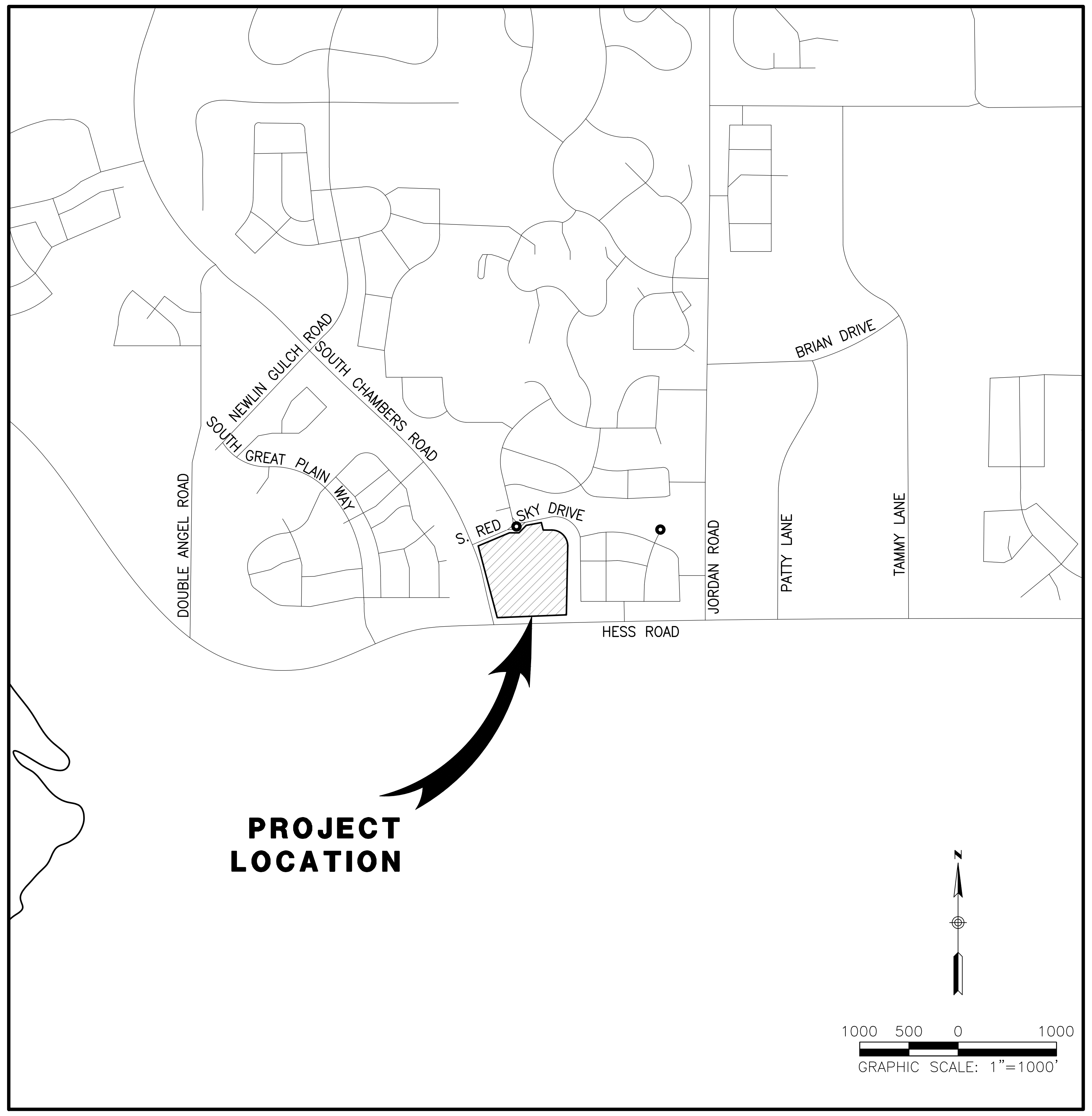
BENCHMARK IS BY GPS OBSERVATION NAVD 88. SET SITE BENCHMARK AT NORTHWEST CORNER OF INLET ON CHAMBERS RD. APPROXIMATELY 200'+/– NORTH OF HESS RD.

C:\RICK\Projects\D_CEN_L\1173_Chambers&Hess\Civil\Plans\RoadwayStormDrain\4 RD & STORM COVER SHEET.dwg 2020–09–14 – 11:27PM – jscanlon

ROADWAY & STORM DRAIN CONSTRUCTION PLANS FOR

DOUGLAS 234, FILING NO. 6

A PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 29,
TOWNSHIP 6 SOUTH, RANGE 66 WEST, 6TH PRINCIPAL MERIDIAN,
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO
13.80 ACRES, 11 COMMERCIAL LOTS



VICINITY MAP

SCALE 1"= 1000'

ABBREVIATIONS

BOW	BACK OF WALK
B/P	BOTTOM OF PIPE
BC	BEGIN CURVE
BM	BENCHMARK
BOV	BLOW OFF VALVE
CL	CENTERLINE
CY	CUBIC YARD
E	ELECTRIC
EC	END CURVE
EL	ELEVATION
E/P	EDGE OF PAVEMENT
EX.	EXISTING
FG	FINISHED GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FS	FINISHED SURFACE
GV	GATE VALVE
HYD.	HYRANT
INL	INLET
INV	INVERT
LP	LOW POINT
LT	LEFT
MAX.	MAXIMUM
MH	MANHOLE
MIN.	MINIMUM
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PCR	POINT OF CURVE RETURN
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PROP.	PROPOSED
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE PIPE
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
P	PAVEMENT
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RIM	RIM ELEVATION
R.O.W.	RIGHT OF WAY
REM	REMOVAL
RT	RIGHT
SAN	SANITARY SEWER
SF	SQUARE FOOT
SDMH	STORM DRAIN MANHOLE
SMH	SANITARY MANHOLE
STA.	STATION
STD	STANDARD
SY	SQUARE YARDS
TFI	TOP FRONT OF INLET
T	TELEPHONE
TB	THRUST BLOCK
TC	TOP OF CURB
T/P	TOP OF PIPE
TEMP	TEMPORARY
TRANS	TRANSFORMER
VB	VALVE BOX
WM	WATER MAIN

PLAN SHEET INDEX

NO.	TITLE
1	COVER SHEET
2	NOTES
3	EXISTING CONDITIONS
4	OVERALL GRADING PLAN
5	INITIAL CBMP PLAN
6	INTERIM–FINAL CBMP PLAN
7–14	CBMP DETAILS
15	SLICEROO DRIVE PLAN & PROFILE
18	INTERSECTION DETAILS
19	SIGNING & STRIPING PLAN
20	TRUCK TURNING TEMPLATES
21–23	STORM DRAIN PLAN & PROFILE
24–25	STANDARD DETAILS

LEGEND

	EXISTING	PROPOSED
PROPERTY BOUNDARY	— – – —	
PROPERTY LINE		— – – —
RIGHT–OF–WAY		— – – —
CENTERLINE	— – —	— – —
CURB	═	═
CURB & GUTTER	≡	≡
DAYLIGHT LINE		—II—
EASEMENT	– – – –	– – – –
FLOWLINE	— · · · —	— · · · —
SLOPE	TOP OF SLOPE	TOP OF SLOPE
CONTOURS	═	═
WATER LINE	W	W
SANITARY SEWER LINE	S	S
STORM DRAIN LINE	SD	▬
GAS LINE	G	G
ELECTRIC LINE	E	E
FENCE–GENERAL USE	—×—×—	—×—×—
OVERHEAD WIRES	OHE	OHE
TYPICAL LATERALS		XX
SANITARY SEWER MANHOLE	SS	SS
STORM DRAIN MANHOLE		SD
STORM DRAIN INLET		▣
FIRE HYDRANT		♁
WATER VALVE		⊗
STREET LAMP		☼
AC PAVING		▨
CONCRETE		▤
DG TRAIL/CRUSHER FINES		▤

SIGHT DISTANCE CERTIFICATION:

"I, THE UNDERSIGNED, HEREBY CERTIFY THAT THE PROPOSED SUBDIVISION IS DESIGNED WITH ADEQUATE CORNER SIGHT DISTANCE FOR ALL INTERSECTIONS, AND PEDESTRIAN CROSSING LOCATIONS. CONSIDERATION OF LANDSCAPING IMPACTS TO THE CORNER SIGHT DISTANCE AT BOTH INITIAL AND MATURE GROWTH HAS BEEN REVIEWED. THE MINIMUM CORNER SIGHT DISTANCE IS IN COMPLIANCE WITH AASHTO "POLICY ON GEOMETRIC DESIGN OF HIGHWAY AND STREETS".

I HEREBY AFFIRM THAT THESE CONSTRUCTION PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION.

____
TROY BALES
RICK ENGINEERING COMPANY

TOWN OF PARKER APPROVALS

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH THE TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATION. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

THIS REVIEW DOES NOT CONSTITUTE APPROVAL OF ANY PRIVATE ON–SITE IMPROVEMENTS WHICH MAY BE SHOWN. CONSTRUCTION CANNOT COMMENCE UNTIL ALL REQUIRED DRAINAGE/TRAFFIC REPORT(S), FINAL DEVELOPMENT PLAN(S), SPECIAL REVIEW(S), GRADING PERMIT, AND/OR OTHER PERMITS ARE COMPLETE, APPROVED AND ON FILE WITH THE TOWN OF PARKER.

____
TOWN OF PARKER, DIRECTOR OF ENGINEERING/PUBLIC WORKS DATE

ROADWAY & STORM DRAIN PLANS FOR
DOUGLAS 234
FILING, NO. 6
DOUGLAS COUNTY, COLORADO

RICK
ENGINEERING COMPANY
9801 EAST EASTER AVE
CENTENNIAL, CO 80112
303.537.8020
Tucson - San Diego - Riverside - Orange
Sacramento - San Luis Obispo - Phoenix
rickengineering.com

811
Know what's below.
Call before you dig.

REVISIONS:

NO.	DESCRIPTION	DATE:
△ -	-	-

SCALE: AS SHOWN
DATE: 9/14/2020
DRAWN BY: WD
CHECKED BY: JS
JOB NO: D01173–A

COVER SHEET

PROJECT NO. D01173–A
DRAWING NO. 1
SHEET NO. 1 OF 25 SHEETS

PRELIMINARY
NOT FOR CONSTRUCTION

RICK ENGINEERING COMPANY SPECIAL NOTES:

1. ANY QUESTION RAISED RELATIVE TO THE ACCURACY OF IMPROVEMENT INSTALLATION SHALL NOT BE RAISED SUBSEQUENT TO COMPLETION OF THE WORK UNLESS ALL SURVEY STAKES ARE MAINTAINED INTACT. SHOULD SUCH STAKES NOT BE PRESENT AND VERIFIED AS TO THEIR ORIGIN, NO CLAIM FOR ADDITIONAL COMPENSATION FOR CORRECTION SHALL BE PRESENTED TO ANY PARTY AND SUCH WORK SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE.

2. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOBSITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

3. NEITHER THE OWNER, NOR THE ENGINEER OF WORK WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT, AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.

4. THE CONTRACTOR SHALL FOLLOW THE GUIDELINES AND REGULATIONS AS SET FORTH BY OSHA

5. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL UTILITIES ARE BUILT IN ACCORDANCE WITH THESE PLANS. IF THERE ARE ANY QUESTIONS REGARDING THESE PLANS OR FIELD STAKES, THE CONTRACTOR SHALL REQUEST AN INTERPRETATION BEFORE DOING ANY WORK BY CALLING THE ENGINEER OF WORK AT 303-537-8020. THE CONTRACTOR SHALL ALSO TAKE THE NECESSARY STEPS TO PROTECT THE PROJECT AND ADJACENT PROPERTY FROM ANY EROSION AND SILTATION THAT RESULT FROM HIS OPERATIONS BY APPROPRIATE MEANS (TEMPORARY EROSION CONTROL BMPS) UNTIL SUCH TIME THAT THE PROJECT IS COMPLETED AND ACCEPTED FOR MAINTENANCE BY WHATEVER OWNER, AGENCY OR ASSOCIATIONS IS TO BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE.

6. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED FROM A SEARCH OF THE AVAILABLE RECORDS AND UNDERGROUND UTILITY LOCATING SERVICE AT AN ASCE 38-02 MINIMUM LEVEL B. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO OTHER EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HEREON AND ANY OTHER NOT OF RECORD OR NOT SHOWN ON THESE PLANS. ALL DAMAGES THERETO CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE APPROPRIATE SPECIFICATIONS AND AT THE EXPENSE OF THE CONTRACTOR.

7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UNDERGROUND PIPELINES, TELEPHONE AND ELECTRIC CONDUITS AND STRUCTURES IN ADVANCE OF ANY CONSTRUCTION AND TO OBSERVE ALL POSSIBLE PRECAUTIONS TO AVOID ANY DAMAGE TO SUCH. THE ENGINEER AND/OR OWNER WILL NOT GUARANTEE ANY LOCATIONS AS SHOWN ON THESE PLANS OR THOSE OMITTED FROM SAME.

8. CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATIONS OF EXISTING FACILITIES.

9. BEFORE EXCAVATING FOR THIS CONTRACT, THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES WITH THE APPROPRIATE UTILITY COMPANY.

10. LOCATION AND ELEVATION OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK.

11. CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS REQUIRED TO PROTECT ADJACENT PROPERTIES DURING THE GRADING OPERATIONS.

12. WHERE TRENCHES ARE WITHIN EASEMENTS OR WITHIN 10' OF ANY BUILDING, A SOILS REPORT SHALL BE SUBMITTED TO THE ENGINEER OF WORK BY A QUALIFIED SOILS ENGINEER WHICH INDICATES THAT TRENCH BACKFILL WAS COMPACTED UNDER THE OBSERVATION OF THE SOILS ENGINEER AND IN ACCORDANCE WITH THE ABOVE-NAMED SPECIFICATIONS.

13. ALL FRAMES, COVERS, VALVE BOXES AND MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE UPON COMPLETION OF PAVING OR RELATED CONSTRUCTION.

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE PWSD ENGINEERING STANDARDS AND SPECIFICATIONS, LATEST VERSION, THE TOWN OF PARKER ROADWAY DESIGN AND CONSTRUCTION CRITERIA, THE TOWN OF PARKER STORM DRAINAGE AND ENVIRONMENTAL CRITERIA, THE ENVIRONMENTAL PROTECTION AGENCY AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.
2. THE CONTRACTOR SHALL CONTACT ALL APPROPRIATE UTILITY COMPANIES AND THE TOWN OF PARKER PRIOR TO ANY CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ANY EXISTING UTILITY (INCLUDING DEPTHS) WHICH MAY CONFLICT WITH THE PROPOSED CONSTRUCTION. ALL EXISTING UTILITIES SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. DAMAGED UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE. ALL ITEMS SHOWN ON THE PLANS AS EXISTING ARE APPROXIMATE LOCATIONS ONLY. THE ACTUAL LOCATIONS MAY VARY FROM THE PLANS, ESPECIALLY IN THE CASE OF UNDERGROUND UTILITIES. WHENEVER THE CONTRACTOR DISCOVERS A DISCREPANCY IN LOCATIONS CONTACT THE PWSD IMMEDIATELY.
3. PWSD ENGINEER AND OTHER APPROVING AGENCIES ARE TO BE NOTIFIED 48 HOURS PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL OBTAIN, AT HIS EXPENSE, ALL PERMITS NECESSARY TO PERFORM THE PROPOSED WORK, INCLUDING STREET CUTS, UTILITY INTERFERENCE AND TRAFFIC CONTROLS.
5. ALL CONCRETE SHALL BE A MINIMUM OF CLASS A, 6 SACK, TYPE II, 3000-POUND COMPRESSION STRENGTH. ALL CONCRETE ASSOCIATED WITH ROADWAY CONSTRUCTION SHALL BE CLASS D.
6. THE DESIGN ENGINEER SHALL SUBMIT ONE (1) SET OF "AS-BUILT" DRAWINGS AND ELECTRONIC FILES TO THE DISTRICT ENGINEER FOR APPROVAL BY DISTRICT. AFTER APPROVAL HAS BEEN GRANTED BY THE DISTRICT ENGINEER, FULL-SIZED PRINTS SHALL BE TRANSMITTED TO THE PWSD OFFICE.
7. NO WORK SHALL BE BACKFILLED UNTIL THE CONSTRUCTION HAS BEEN INSPECTED AND APPROVED FOR BACKFILLING BY THE DISTRICT ENGINEER OR REPRESENTATIVE OF THE DISTRICT ENGINEER. ALL BACKFILL MATERIAL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY. COMPACTION TESTS MUST BE SUBMITTED TO DISTRICT ENGINEER PRIOR TO PROBATIONARY ACCEPTANCE.
8. ALL CURBS SHALL BE CAREFULLY AND FIRMLY BACKFILLED BY THE CONTRACTOR. ANY EXCESS MATERIAL FROM SUBGRADE TRIMMING SHALL NOT BE LEFT IN THE STREET CORE, BUT SHALL BE SPREAD UNIFORMLY IN A 20-FOOT WIDE ZONE BEHIND THE WALK.
9. REFER TO OVERLOT GRADING AND EROSION CONTROL PLANS FOR GRADING NOTES.
10. EXPANSION JOINTS WILL BE PLACED IN ALL SIDEWALKS AND CURB AND GUTTER AT PCS, PTS, AND AT ANY FIXED OBJECT, BUT IN NO CASE MORE THAN 500 FT APART.
11. THE APPLICANT IS PBSI CHAMBERS & HESS UNITS, LLC.
12. THE UTILITY CONTRACTOR THAT INSTALLS SANITARY SEWER, STORM SEWER AND WATER SHALL, AFTER PROPERLY COMPLETING THE WORK, WALK THE SITE WITH THE OWNER'S REPRESENTATIVE(S) TO INSPECT MANHOLES, HYDRANTS, VALVE BOXES, AND INLETS PRIOR TO THE START OF WORK BY THE CURB, GUTTER AND WALK CONTRACTOR. A SIMILAR FIELD INSPECTION SHALL OCCUR WITH THE UTILITY CONTRACTOR AND CURB CONTRACTOR TO INSPECT THESE ITEMS PLUS CURB STOP BOXES AND CONCRETE WORK PRIOR TO THE START OF WORK BY THE PAVING CONTRACTOR. THESE FIELD INSPECTIONS ARE INTENDED TO HELP ESTABLISH RESPONSIBILITY FOR ANY NECESSARY REPAIRS, CLEANING, ETC. THAT ARE NEEDED. THESE INSPECTIONS WITH A REPRESENTATIVE OF THE OWNER ARE IN ADDITION TO ANY INSPECTIONS BY REPRESENTATIVES OF THE TOWN OF PARKER OR PARKER WATER AND SANITATION DISTRICT.
13. ALL TESTING AND INSPECTION FOR COMPLIANCE WITH TOWN OF PARKER STANDARDS SHALL BE COMPLETED BEFORE ANY CONDITIONAL ACCEPTANCE.
14. THE DESIGN ENGINEER SHALL SUBMIT ONE (1) SET OF ROLLED "AS-BUILT" DRAWINGS AND ELECTRONIC FILES TO THE DISTRICT ENGINEER FOR APPROVAL PRIOR TO PRINTING MYLAR DRAWINGS FOR THE DISTRICT. AFTER APPROVAL HAS BEEN GRANTED BY THE DISTRICT ENGINEER, FULL SIZED MYLAR PRINTS SHALL BE TRANSMITTED TO THE PWSD OFFICE AND AN ADDITIONAL SET OF ROLLED PRINTS SHALL BE TRANSMITTED TO THE DISTRICT ENGINEER'S OFFICE PRIOR TO PROBATIONARY ACCEPTANCE.
15. TRENCHES SHALL BE EXCAVATED AND THE PIPE EXPOSED FOR INSPECTION AT ANY LOCATION ON THE PROJECT IF SO ORDERED BY THE INSPECTOR.
16. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE PROPER FUNCTIONING OF LINES (WATER AND SEWER) FOR UP TO TWO (2) YEARS FROM THE DATE OF PROBATIONARY ACCEPTANCE OF LINES BY THE DISTRICT. ANY MALFUNCTION DURING THIS PERIOD OF GUARANTEE SHALL BE REMEDIED BY THE CONTRACTOR TO THE SATISFACTION OF THE DISTRICT ENGINEER AT NO COST TO THE DISTRICT.
17. SURFACE GRADES ARE TO BE WITHIN PLUS OR MINUS ONE FOOT OF FINISHED GRADE AND VERIFICATION OF COMPACTION RESULTS OBTAINED PRIOR TO THE INSTALLATION OF WATER AND SEWER LINES. RESULTS MUST BE SUBMITTED TO THE DISTRICT ENGINEER.
18. NO WORK SHALL BE BACKFILLED UNTIL THE CONSTRUCTION HAS BEEN INSPECTED AND APPROVED FOR BACKFILLING BY THE DISTRICT ENGINEER OR REPRESENTATIVE OF THE DISTRICT ENGINEER.
19. ALL SERVICES WILL BE PERMANENTLY MARKED ON CURB FACE AS FOLLOWS:
    "X" FOR SANITARY SERVICE SEWERS
    "V" FOR WATER SERVICES
20. NO TREES ALLOWED IN EASEMENTS OR WITHIN 8' OF WATER OR SANITARY SEWER MAINS IN RIGHT OF WAY. NO TREES ALLOWED WITHIN 7' OF THE EDGE OF ANY STORM SEWER.
21. BENCHMARKS:
    DOUGLAS COUNTY:

22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, PROTECTION, AND REPAIR OF ALL UTILITIES ENCOUNTERED DURING CONSTRUCTION, WHETHER SHOWN ON THESE PLANS OR NOT. CONTRACTOR SHALL CONTACT REPRESENTATIVES OF THE RESPECTIVE UTILITIES AND HAVE ALL UTILITIES FIELD LOCATED PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL LOCATIONS OF EXISTING STRUCTURES AND UTILITIES SHOWN ON THE DRAWINGS, TO ASCERTAIN WHETHER ANY STRUCTURES AND UTILITIES MAY EXIST, AND REPAIR AND/OR REPLACE ANY STRUCTURES AND/OR UTILITIES THAT ARE DAMAGED BY THE CONTRACTOR.
23. ALL DIMENSIONS AND RADII ARE TO FLOW LINE UNLESS OTHERWISE NOTED.
24. THE CONTRACTOR SHALL FURNISH THE ENGINEER WITH A SET OF "AS-BUILT" PLANS MARKED WITH ALL DEVIATIONS FROM THE CONSTRUCTION PLANS PRIOR TO INITIAL ACCEPTANCE.
25. ALL STATIONING IS ON CENTERLINE OF RIGHT OF WAY UNLESS OTHERWISE NOTED.

ROADWAY NOTES:

1. PAVING SHALL NOT COMMENCE UNTIL A SOILS REPORT AND PAVEMENT DESIGN IS APPROVED BY THE ENGINEERING DIVISION AND SUB-GRADE COMPACTION TESTS ARE SUBMITTED TO AND APPROVED BY THE DEVELOPMENT REVIEW ENGINEER.
2. STANDARD TOWN OF PARKER CURB RAMPS ARE TO BE CONSTRUCTED AT ALL CURB RETRUNS AND "T" INTERSECTIONS.
3. ALL STATIONING IS BASED ON CENTERLINE OF ROADWAYS UNLESS OTHERWISE NOTED.
4. ALL ELEVATIONS ARE ON USGS DATUM WITH DATE. RANGE POINT OR MONUMENT SHALL BE SHOWN ON THE CONSTRUCTION PLANS.
5. EXCEPT WHERE OTHERWISE PROVIDED FOR IN THESE PLANS AND SPECIFICATIONS, THE COLORADO DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE COLORADO DEPARTMENT OF HIGHWAYS M-STANDARDS AND THE TOWN OF PARKER ROADWAY DESIGN AND CONSTRUCTION CRITERIA MANUAL, LATEST EDITION, SHALL APPLY.

CONSTRUCTION NOTES:

1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE COLORADO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE LATEST EDITION OF THE TOWN OF PARKER ROADWAY DESIGN AND CONSTRUCTION CRITERIA MANUAL AND THE TOWN OF PARKER STORM DRAINAGE AND ENVIRONMENTAL CRITERIA MANUAL.
2. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE TOWN OF PARKER PUBLIC WORKS DEPARTMENT. THE TOWN RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.
3. A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF CONSTRUCTION. A PRE-CONSTRUCTION MEETING WILL NOT BE SCHEDULED UNTIL THE GRADING PERMIT AND ALL OTHER NECESSARY PERMITS HAVE BEEN OBTAINED.
4. A DEVELOPMENT REVIEW ENGINEER SHALL BE CONTACTED A MINIMUM OF 24 HOURS PRIOR TO A NECESSARY INSPECTION. IF A DEVELOPMENT REVIEW ENGINEER IS NOT AVAILABLE AFTER PROPER NOTICE OF CONSTRUCTION ACTIVITY HAS BEEN PROVIDED, THE PERMITTEE MAY COMMENCE WORK IN THE DEVELOPMENT REVIEW ENGINEER'S ABSENCE; HOWEVER, TOWN OF PARKER RESERVES THE RIGHT TO REJECT THE IMPROVEMENT IF SUBSEQUENT TESTING REVEALS AN IMPROPER INSTALLATION.
5. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ACTUAL CONSTRUCTION. FOR INFORMATION, CONTACT DENVER INTER-UTILITY GROUP AT 303-534-6700 OR 1-800-922-1987. THE CONTRACTOR SHALL FIELD VERIFY SIZE AND HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING FACILITIES PRIOR TO CONSTRUCTION, AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
6. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE PLANS, APPROVED BY THE TOWN OF PARKER PUBLIC WORKS DIRECTOR, AND ONE (1) COPY OF THE ROADWAY DESIGN AND CONSTRUCTION CRITERIA AT THE JOB SITE AT ALL TIMES.
7. ALL PROPSED STREET CUTS TO EXISTING PAVEMENTS FOR UTILITIES, STORM SEWER, OR FOR OTHER PURPOSES ARE LISTED AND REFERENCED BELOW:
    WATER TIE IN:
    SANITARY SEWER CONNECTION
    STORM SEWER CONNECTION
8. A PLAN FOR TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE SUBMITTED TO THE TOWN OF PARKER FOR ACCEPTANCE WITH THE RIGHT OF WAY PERMIT USE APPLICATION. A PERMIT WILL NOT BE ISSUED WITHOUT AN APPROVED TRAFFIC CONTROL PLAN FOR USE DURING CONSTRUCTION.
9. ALL TRENCHES SHALL BE ADEQUATELY SUPPORTED AND THE SAFETY OF WORKERS PROVIDED FOR AS REQUIRED BY THE MOST RECENT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION'"
10. COMPACTION OF ALL TRENCHES MUST BE ATTAINED AND COMPACTION TEST RESULTS SUBMITTED TO THE DEVELOPMENT REVIEW ENGINEER IN PRELIMINARY FORM PRIOR TO PAVING AND IN FINAL FORM PRIOR TO PROBATIONARY ACCEPTANCE.
11. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES AT ALL TIMES DURING CONSTRUCTION. THE PLAN MAY BE MODIFIED AS FIELD CONDITIONS WARRANT WITH APPROVAL FROM THE TOWN OF PARKER PUBLIC WORKS DEPARTMENT.
12. THE CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN PROPER TRAFFIC CONTROL DEVICES UNTIL THE SITE IS OPEN TO TRAFFIC. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE TOWN OF PARKER PUBLIC WORKS DEPARTMENT FOR APPROVAL PRIOR TO CONSTRUCTION.
13. PLANS ARE APPROVED FOR ONE (1) YEAR FROM THE DATE SHOWN ON THE TOWN OF PARKER SIGNATURE BLOCK. PLANS SHALL BE RESUBMITTED TO THE TOWN FOR APPROVAL AFTER ONE (1) YEAR. THE COST OF THE PLAN RE-REVIEW AND RE-ACCEPTANCE WILL BE CHARGED BACK TO THE DEVELOPER INCLUDING ALL TIME AND EXPENSES OF THE TOWN OF PARKER PUBLIC WORKS DEPARTMENT.
14. REPAIR OF ANY DAMAGE TO EXISTING IMPROVEMENTS OR LANDSCAPING IS THE RESPONSIBILITY OF THE CONTRACTOR.
15. ALL DAMAGED EXISTING CURB, GUTTER, AND SIDEWALK SHALL BE REPAIRED PRIOR TO ACCEPTANCE OF COMPLETED IMPROVEMENTS.
16. ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH THE STATE OF COLORADO PERMITTING PROCESS FOR "STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY". FOR INFORMATION, PLEASE CONTACT COLORADO DEPARTMENT OF HEALTH, WATER QUALITY CONTROL DIVISION, WQCD-PE-B2, 4300 CHERRY DRIVE SOUTH, DENVER, COLORADO, 80222-1530. ATTN: PERMITS AND ENFORCEMENT SECTION. PHONE: 303-692-3500
17. IF DEWATERING IS REQUIRED, A STATE CONSTRUCTION DEWATERING DISCHARGE PERMIT IS REQUIRED FOR DISCHARGES TO A STORM SEWER, CHANNEL, IRRIGATION DITCH, ANY STREET THAT IS TRIBUTARY TO THE AFOREMENTIONED FACILITIES OR ANY WATER OF THE UNITED STATES.
18. ALL REFERENCES TO BOOKS, PAGES, MAPS AND RECEPTION NUMBER ARE PUBLIC DOCUMENTS ON FILE WITH THE COUNTY CLERK AND RECORDERS OFFICE.

UDFCD NOTE:

1. THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT MAY CONDUCT SITE VISITS DURING PROJECT CONSTRUCTION WITHIN OR NEAR THE CHANNEL TO OBSERVE CONSTRUCTION FOR CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. COORDINATION WITH THE UDFCD CONSTRUCTION MANAGER IS REQUIRED 48 HOURS PRIOR TO ANY CONSTRUCTION. CONTACT MIKE SARMENTO, UDFCD CONSTRUCTION MANAGER AT 303-455-6277, WSARMENTO@UDFCD.ORG

PARKER STANDARD STORM DRAINAGE INFRASTRUCTURE NOTES:

1. ALL STORM DRAINAGE IMPROVEMENTS ARE SUBJECT TO COMPLIANCE WITH THE COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, M & S STANDARDS, AND ALL STANDARD SPECIAL PROVISIONS CURRENTLY USED BY CDOT, WITH THE MODIFICATIONS SET FORTH IN THE TOWN OF PARKER'S STORM DRAINAGE AND ENVIRONMENTAL CRITERIA MANUAL (SDECM), AS AMENDED.
2. THE CONTRACTOR SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8 CRS), THE "PROTECTION OF FISHING STREAMS" TITLE 33, ARTICLE 5, CRS), THE "CLEAN WATER ACT" (33 USC 1344), CHERRY CREEK RESERVOIR CONTROL REGULATION NO. 72" (5 CCR 1002-72), THE REGULATION PROMULGATED, CERTIFICATION OR PERMITS ISSUES, AND THE REQUIREMENTS PRESENTED IN THE SDECM REVISION TO SECTION 107 AND THE CONSTRUCTION BMP PLAN. IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND WATER QUALITY CONTROL LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, OR STATE AGENCIES, THE MORE RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
3. INSPECTIONS: CONSTRUCTION SHALL NOT BEGIN UNTIL A GRADING PERMIT HAS BEEN ISSUED FOR THE PROJECT. THE CONTRACTOR SHALL NOTIFY THE TOWN OF PARKER ENGINEERING DEPARTMENT (PUBLIC WORKS) TO SCHEDULE INSPECTIONS A MINIMUM OF 48 HOURS PRIOR THE CONSTRUCTION OF ALL DRAINAGE INFRASTRUCTURE (STORM SEWERS, INLETS, MANHOLES, ENERGY DISSIPATERS, RIPRAP, GROUTED BOULDERS, DETENTION POND OUTLET STRUCTURES, FOREBAYS, TRICKLE CHANNELS, ETC). FAILURE TO NOTIFY THE ENGINEERING DEPARTMENT FOR INSPECTIONS MAY RESULT IN NON-ACCEPTANCE OF THE INFRASTRUCTURE BY THE TOWN. URBAN DRAINAGE AND FLOOD CONTROL DISTRICT MUST ALSO BE NOTIFIED IN A SIMILAR MANNER FOR ALL MAINTENANCE ELIGIBLE DRAINAGE INFRASTRUCTURES (CONSULT WITH STORMWATER ENGINEERING DIVISION).
4. STRUCTURAL BACKFILL (CDOT CLASS 1) SHALL BE COMPACTED TO CONFORM TO CDOT STANDARD SPECIFICATION 203.03. STRUCTURAL BACKFILL (CDOT CLASS 2) SHALL CONFORM TO CDOT STANDARD SPECIFICATION 203.07. AT THE CONTRACTOR'S OPTION, STRUCTURAL BACKFILL (SQUEEGEE) MEETING THE GRADATION REQUIREMENTS CONTAINED IN REVISION OF SECTION 206 OF THE CDOT STANDARD SPECIFICATIONS AS PRESENTED IN THE SDECM, MAY BE SUBSTITUTED FOR STRUCTURE BACKFILL (CLASS 1) OR CLASS 2) FOR BACKFILLING OF CULVERT PIPES, STORM SEWER PIPES, MANHOLES AND INLET STRUCTURES; HOWEVER, THE TOP 2 FEET BELOW SUBGRADE ELEVATION SHALL BE THE REQUIRED EMBANKMENT MATERIAL.
5. ALL EXCAVATIONS SHALL MEET OSHA REQUIREMENTS.
6. TESTING: PROBATIONARY ACCEPTANCE OF STORM DRAINAGE IMPROVEMENTS WILL BE CONTINGENT UPON SATISFACTORY TESTING RESULTS. IN ALL CASES WHERE TESTS INDICATE COMPACTION LESS THAN THAT REQUIRED BY TOWN SPECIFICATIONS, ADDITIONAL COMPACTION AND TESTS WILL BE REQUIRED UNTIL THE SPECIFICATIONS ARE MET. FREQUENCY OF TESTING WILL BE AS FOLLOWS: 1 TEST FOR SUBGRADE AND 1 TEST FOR BACKFILL AT EVERY ABOVE GROUND APPURTENANCE (MANHOLES, INLETS, ETC) 1 TEST EVERY 200 LF OF MAINLINE TRENCH EVERY 1 FOOT OF BACKFILL LIFT AND WITHIN 1 FOOT FROM ALL STRUCTURES.
7. ALLOWABLE STORM SEWER CONDUIT MATERIAL WITHIN THE TOWN OF PARKER SHALL BE LIMITED TO REINFORCED CONCRETE PIPE (RCP) CONFORMING TO CDOT STANDARD SPECIFICATION 706.02.
8. ALL RCP JOINTS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C443. RUBBER GASKETS SHALL BE USED ON ALL PIPE JOINTS CONFORMING TO ASTM C443. ALL RCP SECTIONS SHALL BE JOINED IN SUCH A TOWN OF PARKER PAGE 2 OF 2 MANNER THAT THE ENDS ARE FULLY ENTERED AND THE INNER SURFACES ARE REASONABLE FLUSH. AVERAGE JOINT GAP THAT EXCEEDS ½ INCH SHALL BE FILLED WITH AN APPROVED FLEXIBLE PLASTIC SEALANT.
9. JOINT RESTRAINTS AND TOE-WALLS, CONFORMING TO CDOT M&S STANDARD PLAN NO. M-601-11 SHALL BE USED ON ALL RCP FLARED END SECTION OUTFALLS.
10. EPOXY COATED REBAR SHALL BE USED AS REINFORCING STEEL ON ALL STORM INLETS AND STRUCTURES. REFERENCE CDOT M&S STANDARD PLAN NO. M-604-10, 11, 12, AND 13.
11. CDOT CLASS D CONCRETE SHALL BE USED FOR ALL CONCRETE DRAINAGE STRUCTURES.
12. PRE-CAST INLETS AND MANHOLE BASES SHALL NOT BE USED WITHIN THE TOWN OF PARKER RIGHT-OF-WAY, WITH THE EXCEPTION OF CDOT TYPE C AND D INLETS.
13. TWO- (2) MANHOLE ACCESS POINTS ARE REQUIRED ON ALL TYPE "R" CURB INLETS GREATER THAN OR EQUAL TO TEN (10) FEET IN LENGTH AS PRESENTED IN CDOT M&S STANDARD PLAN NO. M-604-12.
14. ALL GROUTING (BOULDERS, RIPRAP) SHALL BE IN ACCORDANCE WITH THE REVISION OF SECTION 506 OF THE CDOT STANDARD SPECIFICATIONS AS PRESENTED IN THE SDECM.
15. ALL BOULDERS AND RIPRAP SHALL BE SELECTED AND PLACED IN ACCORDANCE WITH THE REVISION OF SECTION 506 OF THE CDOT STANDARD SPECIFICATIONS AS PRESENTED IN THE SDECM.
16. CONTRACTOR SHALL REFER TO THE TOWN OF PARKER'S CONSTRUCTION BEST MANAGEMENT PRACTICES DETAILS AND NOTES FOR ALL REQUIREMENTS RELATING TO RE-VEGETATION, SEDIMENT AND EROSION CONTROL REQUIREMENTS FOR CONSTRUCTION ACTIVITIES.
17. PIPE BELLS SHALL NOT BE CAST INTO MANHOLE BASES OR INLETS.

SIGNAGE AND STRIPING NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MOST RECENT VERSION OF THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), COLORADO SUPPLEMENTAL MUTCD, AND THE TOWN OF PARKER ROADWAY DESIGN AND CONSTRUCTION CRITERIA MANUAL. FURTHER SPECIFICATIONS AND ILLUSTRATIONS ARE LOCATED IN THE COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) M&S STANDARDS.
2. A FIELD INSPECTION OF LOCATION AND INSTALLATION OF ALL SIGNS, AND MARKING SHALL BE PERFORMED BY THE TOWN OF PARKER.
3. THE CONTRACTOR INSTALLING SIGNS SHALL BE RESPONSIBLE FOR THE LOCATING AND PROTECTING OF ALL UNDERGROUND UTILITIES.
4. TYPE III (LIGHTED) BARRICADES SHALL BE SET AT THE ENDS OF ROADWAYS SEPARATING FINISHED (AND/OR ACCEPTED) AND UNFINISHED CONSTRUCTION AREAD AND SHALL BE MAINTAINED BY THE CONTRACTOR/DEVELOPER. "ROAD CLOSED AHEAD" AND "TO BE EXTENDED" WARNING SIGNS SHALL BE INSTALLED APPROPRIATELY IN ADVANCE OF THE TYPE III BARRICADES.
5. SPECIAL CARE SHALL BE TAKEN IN SIGN LOCATIONS TO ENSURE AN UNOBSTRUCTED VIEW OF EACH SIGN.
6. WHERE STOP SIGN CONTROL IS APPROPRIATE, 36-INCH STOP SIGNS SHALL BE USED FOR APPROACHES TO ANY ROADWAY THAT IS CLASSIFIED AS A COLLECTOR OR GREATER.
7. A 7-FOOT MINIMUM POST LENGTH SHALL BE MAINTAINED FROM THE BOTTOM OF THE SIGN PANEL TO THE GROUND. THIS REQUIREMENT FOR VERTICAL CLEARANCE IS FOR ALL SIGNS.
8. DELINEATION OF ROADWAYS SHALL BE AS SPECIFIED IN THE COLORADO DEPARTMENT OF TRANSPORTATION M&S STANDARDS.
9. RAISED MEDIAN ISLAND NOSES SHALL HAVE R4-7 SIGNS AT EACH END.
10. SIGNAGE AND STRIPING HAVE BEEN DETERMINED BY INFORMATION AVAILABLE AT THE TIM OF REVIEW. PRIOR TO THE INITIATION OF ANY WARRANTY PERIOD, THE TOWN OF PARKER RESERVES THE RIGHT TO REQUIRE MODIFICATIONS TO EXISTING OR INSTALLATION OF, ADDITIONAL SIGNAGE AND/OR PAVEMENT MARKING IF IT IS DETERMINED THAT CONDITIONS WARRANT SUCH MODIFICATION ACCORDING TO THE MUTCD OR THE CDOT M&S STANDARDS. ALL SIGNAGE AND STRIPING SHALL FALL UNDER THE REQUIREMENTS OF THE TWO-YEAR WARRANTY PERIOD FOR NEW CONSTRUCTION. ADDITIONALLY, ALL PAVEMENT MARKING SHALL NOT LIFT OR PEEL DURING THE FIRST YEAR AFTER INSTALLATION
11. DIAMOND GRADE MATERIAL SHALL BE USED ON ALL STOP SIGNAND OVERHEAD SIGNS. ALL OTHER ROADSIDE SIGNS SHALL USE HIGH-INTENSITY GRADE SHEETING. NO FLOURESCENT YELLOW-GREEN SHEETING SHALL BE USED UNLESS SPECIFICALLY APPROVED BY THE TOWN OF PARKER.
12. ALL STREET NAME SIGNS SHALL BE HIGH INTENSITY, EXTRUDED, GREEN AND WHITE BLADES. ARTERIAL AND COLLECTOR STREET NAME SIGNS SHALL BE 9-INCH BLADES AND HAVE MIXED CASE LETTERING. LOCAL STREET NAME SIGNS SHALL BE 6-INCH BLADES WITH ALL MIXED CASE LETTERING.
13. ALL LAYOUTS FOR INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL BE SUBMITTED TO THE TOWN FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
14. ALL REMOVED SIGNS SHALL BE RETURNED TO THE TOWN OF PARKER.

TOWN OF PARKER APPROVALS

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____

TOWN OF PARKER, DIRECTOR OF ENGINEERING/PUBLIC WORKS DATE

ROADWAY & STORM DRAIN PLANS FOR
DOUGLAS 234
FILING, NO. 6
DOUGLAS COUNTY, COLORADO

RICK™
ENGINEERING COMPANY
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CHECKED BY: JS
JOB NO: D01173-A

NOTES SHEET

PROJECT NO.
D01173-A

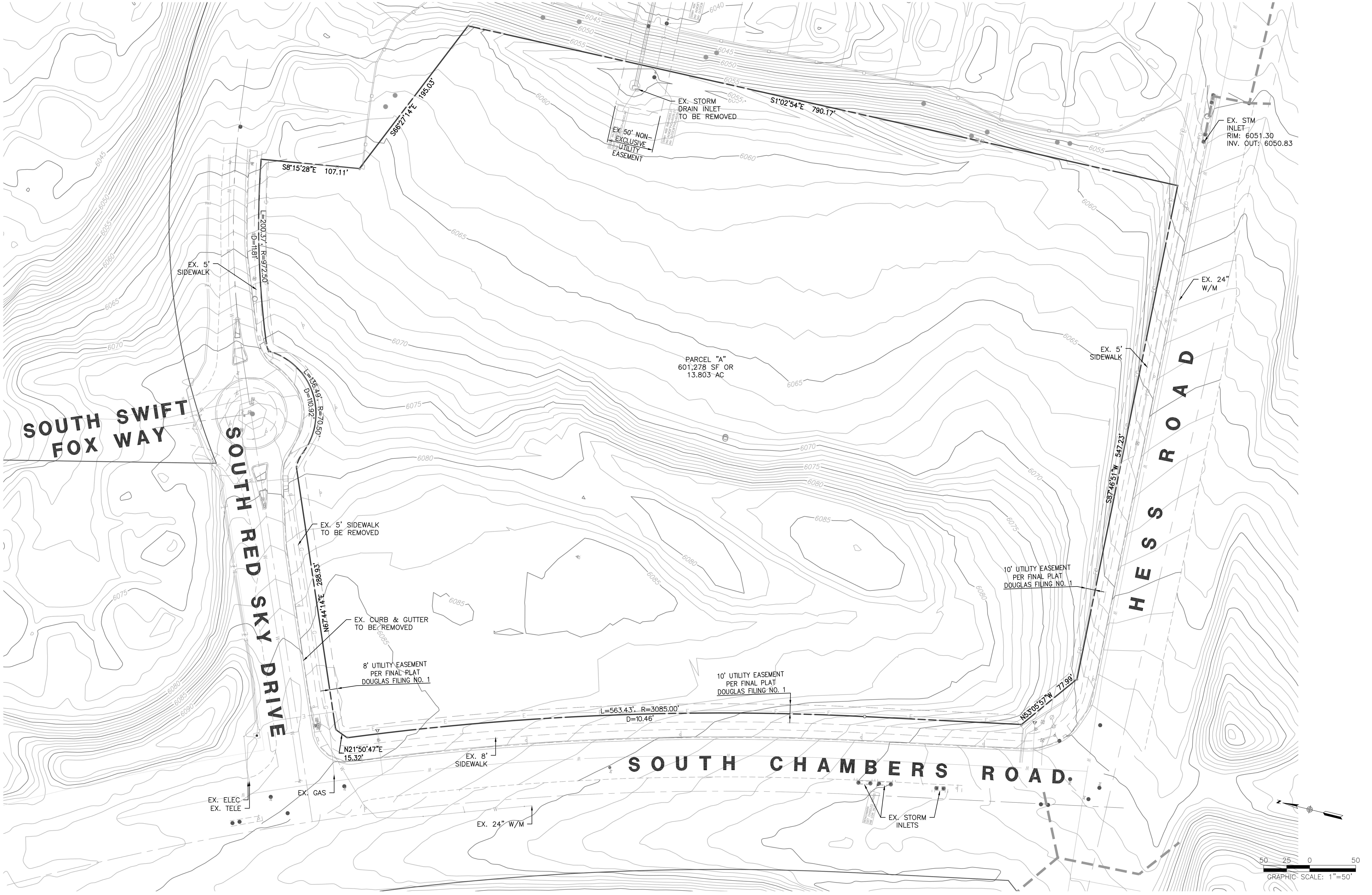
DRAWING NO.
2

SHEET NO. 2 OF 25 SHEETS

PRELIMINARY
NOT FOR CONSTRUCTION

DOUGLAS 234, FILING NO. 6

A PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 29,
TOWNSHIP 6 SOUTH, RANGE 66 WEST, 6TH PRINCIPAL MERIDIAN,
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO
13.80 ACRES, 11 COMMERCIAL LOTS


EX. STORM
DRAIN INLET
TO BE REMOVED
EX 50' NON-EXCLUSIVE UTILITY EASEMENT
S1°02'54"E 790.17'
S66°27'14"E 195.03'
S8°15'28"E 107.11'
EX. STM
INLET
RIM: 6051.30
INV. OUT: 6050.83
L=200.37', R=972.50'
D=11.81'
EX. 5' SIDEWALK
EX. 24" W/M
L=136.49', R=70.50'
D=110.92'
PARCEL "A"
601,278 SF OR
13.803 AC
EX. 5' SIDEWALK
SOUTH SWIFT FOX WAY
SOUTH RED SKY DRIVE
HESS ROAD
S87°46'51"W 547.23'
EX. 5' SIDEWALK
TO BE REMOVED
N67°44'14"E 288.93'
EX. CURB & GUTTER
TO BE REMOVED
10' UTILITY EASEMENT
PER FINAL PLAT
DOUGLAS FILING NO. 1
8' UTILITY EASEMENT
PER FINAL PLAT
DOUGLAS FILING NO. 1
10' UTILITY EASEMENT
PER FINAL PLAT
DOUGLAS FILING NO. 1
L=563.43', R=3085.00'
D=10.46'
N53°05'57"W 77.99'
N21°50'47"E
15.32'
EX. 8'
SIDEWALK
SOUTH CHAMBERS ROAD
EX. GAS
EX. ELEC
EX. TELE
EX. 24" W/M
EX. STORM
INLETS
6040
6045
6050
6055
6060
6065
6070
6075
6080
6085
6090
50 25 0 50
GRAPHIC SCALE: 1"=50'

ROADWAY & STORM DRAIN PLANS FOR
DOUGLAS 234
FILING, NO. 6
DOUGLAS COUNTY, COLORADO

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ROBERT K. FITCH
48704

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EXISTING CONDITIONS & DEMOLITION PLAN

PROJECT NO. D01173–A
DRAWING NO. 3

SHEET NO. 3 OF 25 SHEETS

PRELIMINARY
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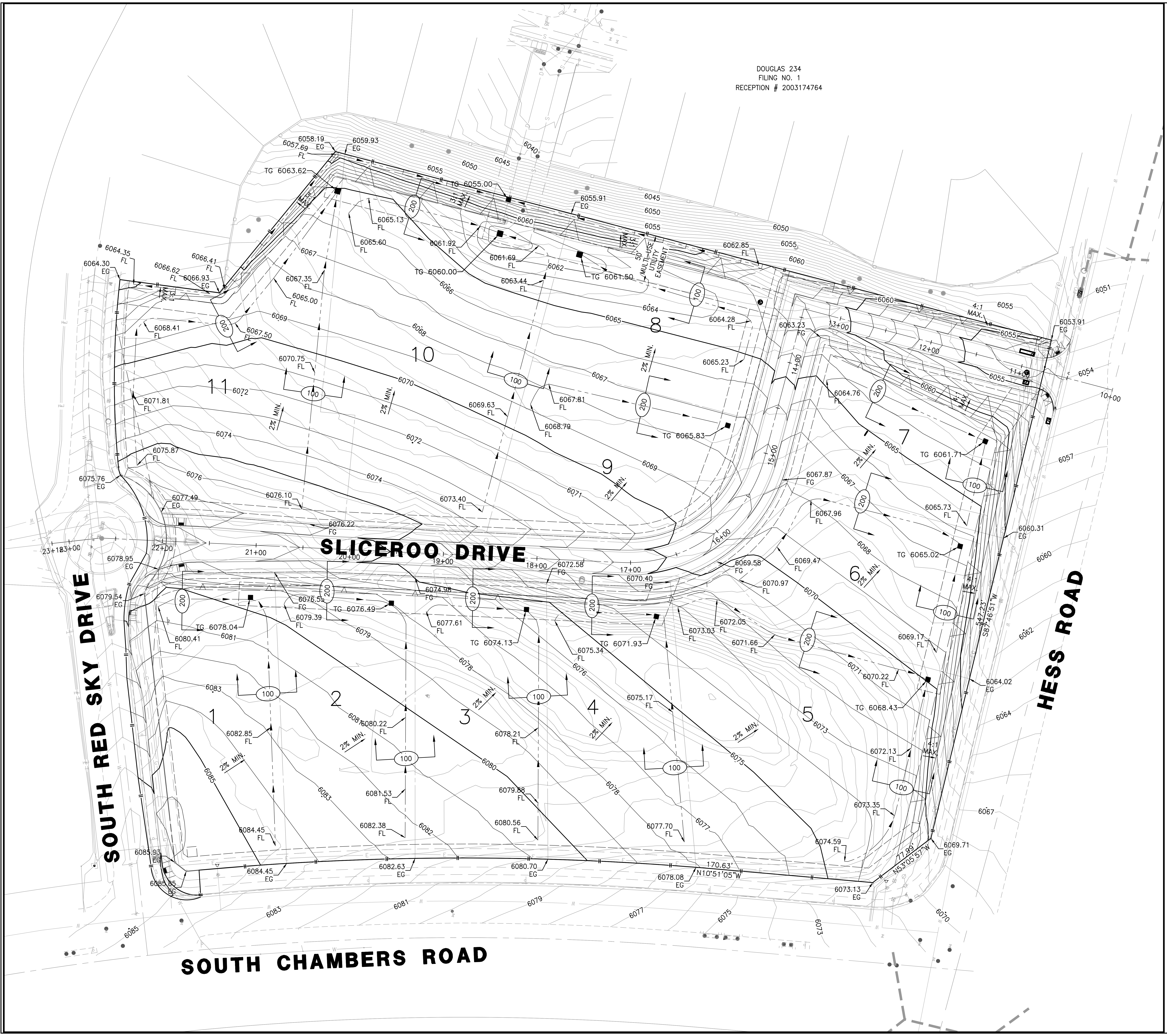
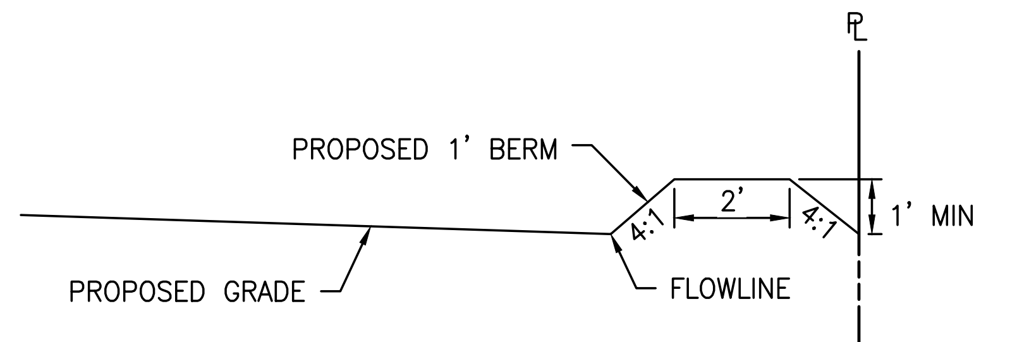
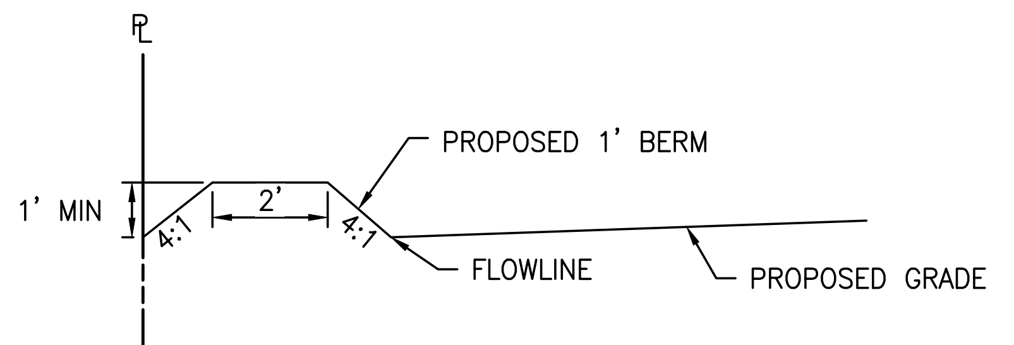

DOUGLAS 234
FILING NO. 1
RECEPTION # 2003174764
SLICEROO DRIVE
HESS ROAD
SOUTH RED SKY DRIVE
SOUTH CHAMBERS ROAD
1
2
3
4
5
6
7
8
9
10
11
2% MIN.
4:1 MAX.
50' MULTI-USE UTILITY EASEMENT
170.63'
N10°51'05"W
N53°05'57"W
S87°46'51"W
17.99'
10+00
11+00
12+00
13+00
14+00
15+00
16+00
17+00
18+00
19+00
20+00
21+00
22+00
23+18
23+00
TG 6063.62
TG 6055.00
TG 6060.00
TG 6061.50
TG 6065.83
TG 6061.71
TG 6065.02
TG 6068.43
TG 6078.04
TG 6076.49
TG 6074.13
TG 6071.93

GRADING NOTES

1. CONTRACTOR SHALL REFER TO GEOTECHNICAL ENGINEER'S REPORT TO ENSURE REQUIREMENTS FOR MINIMUM GROUND SLOPE ARE MET.
2. RETAINING WALL DESIGN PROVIDED BY OTHERS.
3. ALL ADA RAMPS SHALL BE CONSTRUCTED WITH A MAXIMUM CROSS SLOPE OF 2.0%.
4. MEET EXISTING GRADE AT PROPERTY LIMITS UNLESS NOTED OTHERWISE.
5. THE CONTRACTOR SHALL CALL 811 PRIOR TO ANY WORK TO LOCATE UTILITIES AND SHALL CONTACT THE OWNER SHOULD UTILITIES APPEAR TO BE IN CONFLICT WITH THE PROPOSED IMPROVEMENT.
6. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
7. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITION OR BETTER.
8. EXISTING TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS AS PREPARED BY MANHARD CONSULTING ON AUGUST 31, 2018. CONTRACTOR SHALL FIELD CHECK EXISTING ELEVATIONS AND CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT AND ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING CONSTRUCTION. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY, AT THEIR EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR TO THE OWNER FOR REVIEW.
9. TRANSITIONS FROM DEPRESSED CURB TO FULL HEIGHT CURB SHALL BE TAPERED AT 2:1 UNLESS OTHERWISE NOTED.
10. CONTRACTOR SHALL REFER TO THE SOIL EROSION AND SEDIMENT CONTROL PLAN AND DETAILS FOR CONSTRUCTION SCHEDULING AND EROSION CONTROL MEASURES TO BE INSTALLED PRIOR TO BEGINNING GRADING OPERATIONS.


PL
PROPOSED 1' BERM
PROPOSED GRADE
FLOWLINE
4:1
2'
4:1
1' MIN

SECTION 100


PL
1' MIN
4:1
2'
4:1
PROPOSED 1' BERM
FLOWLINE
PROPOSED GRADE

SECTION 200

TYPICAL SWALE DETAILS

N.T.S.

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TOWN OF PARKER, DIRECTOR OF ENGINEERING ____________ DATE

ROADWAY & STORM DRAIN PLANS FOR
DOUGLAS 234
FILING, NO. 6

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JOB NO: D01173-A

OVERALL GRADING PLAN

PROJECT NO.
D01173-A
DRAWING NO.
4
SHEET NO. 4 OF 25 SHEETS

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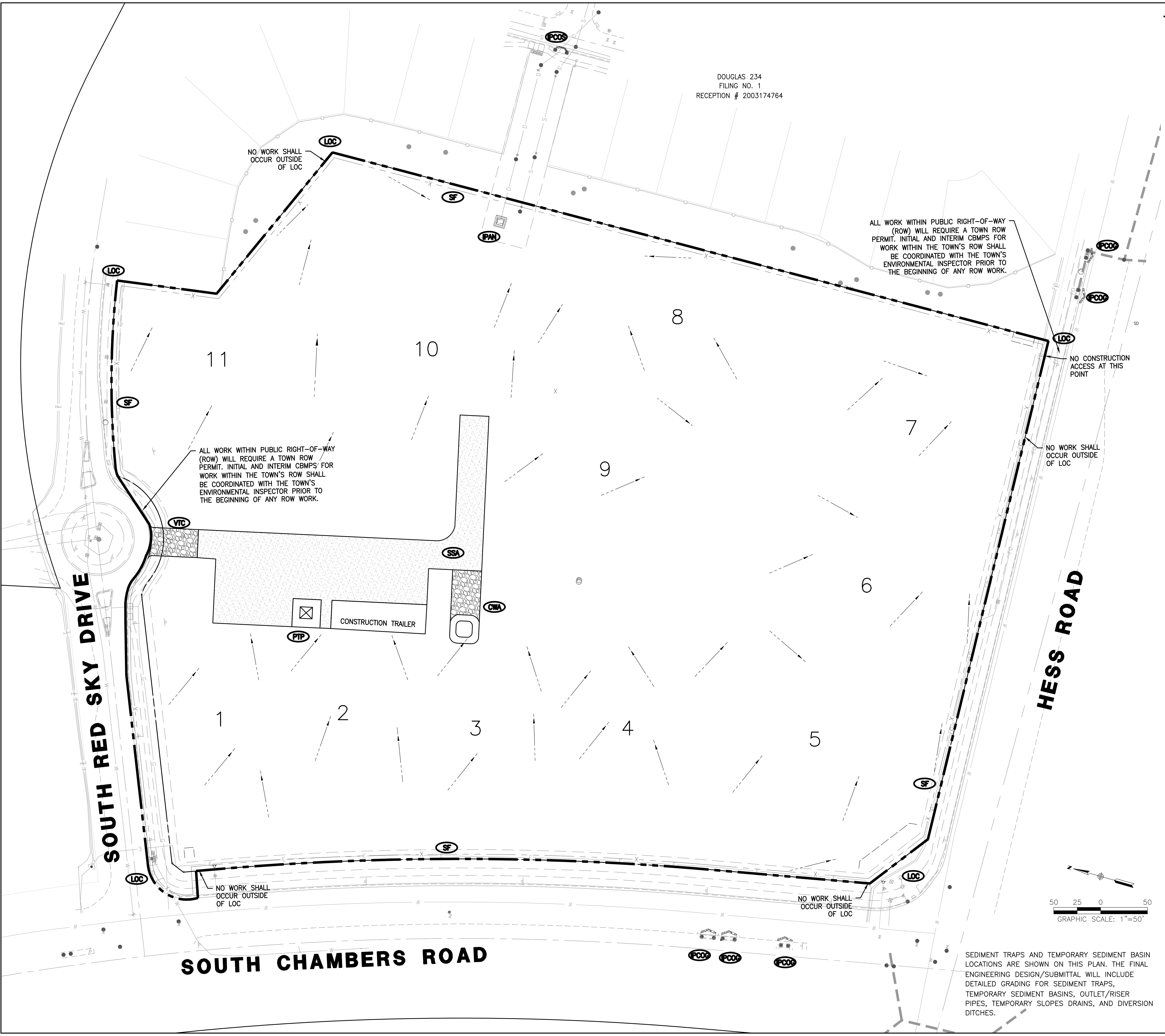

DOUGLAS 234
FILING NO. 1
RECEPTION # 2003174764
NO WORK SHALL OCCUR OUTSIDE OF LOC
LOC
SF
IPAN
IPCOS
IPCOG
ALL WORK WITHIN PUBLIC RIGHT–OF–WAY (ROW) WILL REQUIRE A TOWN ROW PERMIT. INITIAL AND INTERIM CBMPS FOR WORK WITHIN THE TOWN'S ROW SHALL BE COORDINATED WITH THE TOWN'S ENVIRONMENTAL INSPECTOR PRIOR TO THE BEGINNING OF ANY ROW WORK.
NO CONSTRUCTION ACCESS AT THIS POINT
11
10
8
7
9
6
1
2
3
4
5
VTC
SSA
CWA
PTP
CONSTRUCTION TRAILER
SOUTH RED SKY DRIVE
HESS ROAD
SOUTH CHAMBERS ROAD
50 25 0 50
GRAPHIC SCALE: 1"=50'

SEDIMENT TRAPS AND TEMPORARY SEDIMENT BASIN LOCATIONS ARE SHOWN ON THIS PLAN. THE FINAL ENGINEERING DESIGN/SUBMITTAL WILL INCLUDE DETAILED GRADING FOR SEDIMENT TRAPS, TEMPORARY SEDIMENT BASINS, OUTLET/RISER PIPES, TEMPORARY SLOPES DRAINS, AND DIVERSION DITCHES.

NOTES:

1. SILT FENCE TO BE INSTALLED IN AREAS OF SIGNIFICANT TOPOGRAPHY AND SHALL HAVE STAKES @ 5'–0" O.C.
2. ALL SILT FENCE AND OTHER SEDIMENT BMP'S MUST BE PLACED IMMEDIATELY BEHIND THE BACK OF CURB OR SIDEWALK. IF GAP EXISTS AFTER INSTALLATION, ECB MAY BE NECESSARY.
3. LOT PROTECTION (LP) IS REQUIRED ON COMMERCIAL LOTS WHEN LANDSCAPING IS NOT POSSIBLE.
4. ALL CONSTRUCTION TRASH MUST BE THOROUGHLY CLEANED UP ON A DAILY BASIS.
5. REFER TO IRRIGATION AND LANDSCAPE PLANS FOR TEMPORARY IRRIGATION PLANS.
6. ALL PERMANENT SLOPES STEEPER THAN 4:1 NEED ECB.
7. CONCRETE WASHOUT, STABILIZED STAGING AREA, PORTABLE TOILETS AND SOIL STOCKPILE LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR/DEVELOPER AND UPDATED ON THE STORMWATER MANAGEMENT PLAN AS REQUIRED BY THE STATE ISSUED STORMWATER DISCHARGE PERMIT. ANY CBMP PLAN CHANGES SHALL BE COORDINATED THROUGH THE TOWN'S ENVIRONMENTAL INSPECTOR.

LEGEND

▨	CWA	CONCRETE WASHOUT AREA
—>—	DD	DIVERSION DITCH
▣	IPAN	INLET PROTECTION FOR AREA INLETS NOT IN PAVEMENT
	IPCOG	INLET PROTECTION, CURB ON–GRADE, TYPE R INLET
	IPCOS	INLET PROTECTION, CURB ON SUMP, TYPE R INLET
—·—·—	LOC	LIMITS OF CONSTRUCTION
☒	PTP	PORTABLE TOILET PROTECTION
—x—	SF	SILT FENCE
▨	SSA	STABILIZED STAGING AREA
▨	VTC	VEHICLE TRACKING CONTROL

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____
TOWN OF PARKER, DIRECTOR OF ENGINEERING DATE

ROADWAY & STORM DRAIN PLANS FOR
DOUGLAS 234
FILING, NO. 6

DOUGLAS COUNTY, COLORADO

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INITIAL CBMP PLAN

PROJECT NO. D01173–A
DRAWING NO. 5
SHEET NO. 5 OF 25 SHEETS

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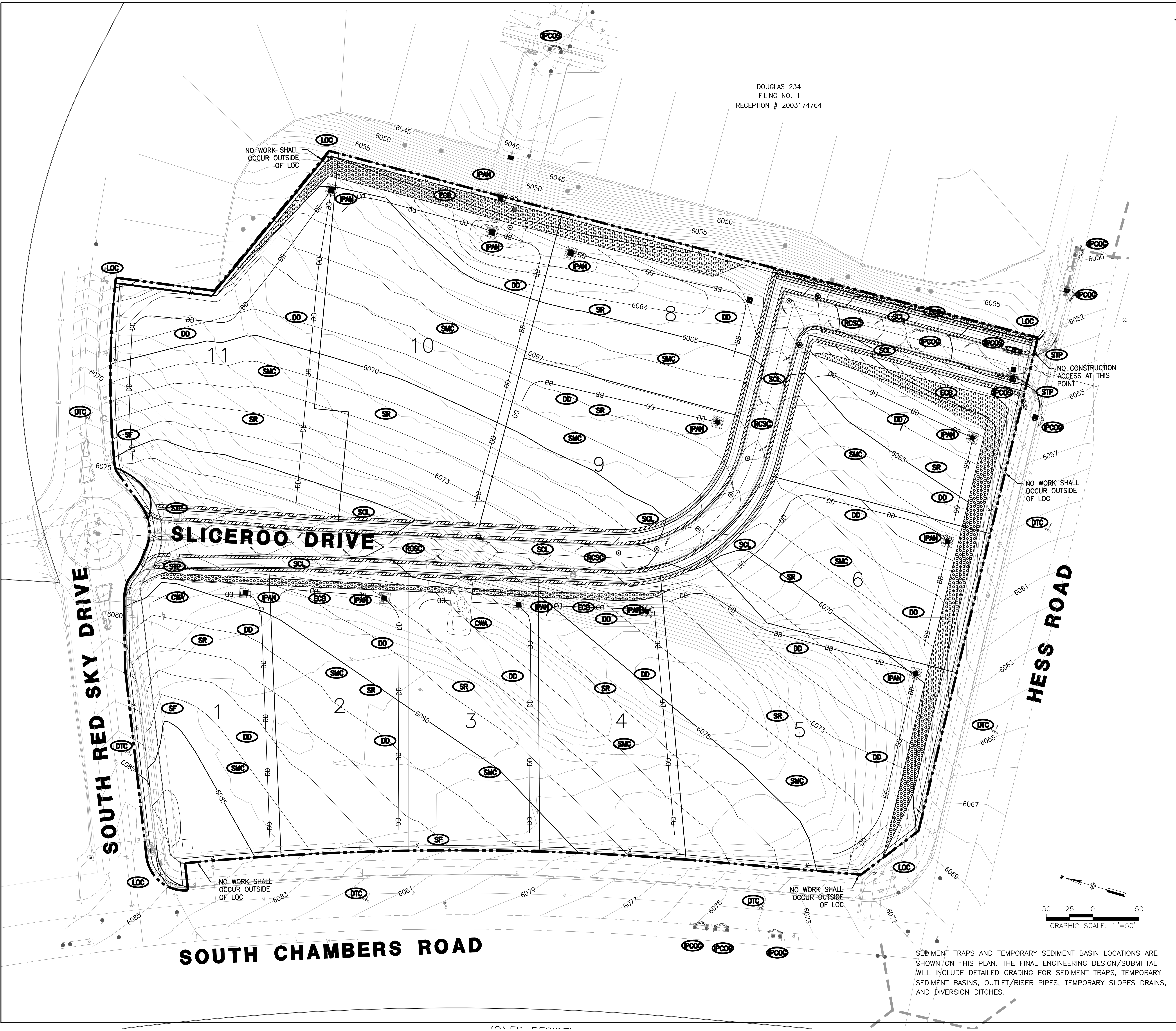
NOT FOR CONSTRUCTION


DOUGLAS 234
FILING NO. 1
RECEPTION # 2003174764
NO WORK SHALL OCCUR OUTSIDE OF LOC
NO CONSTRUCTION ACCESS AT THIS POINT
SLICEROO DRIVE
SOUTH RED SKY DRIVE
HESS ROAD
SOUTH CHAMBERS ROAD
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LOC
DTC
SF
STP
SCL
RCSC
CWA
IPAN
ECB
IPCOG
IPCOS
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50 25 0 50
GRAPHIC SCALE: 1"=50'

SEDIMENT TRAPS AND TEMPORARY SEDIMENT BASIN LOCATIONS ARE SHOWN ON THIS PLAN. THE FINAL ENGINEERING DESIGN/SUBMITTAL WILL INCLUDE DETAILED GRADING FOR SEDIMENT TRAPS, TEMPORARY SEDIMENT BASINS, OUTLET/RISER PIPES, TEMPORARY SLOPES DRAINS, AND DIVERSION DITCHES.

NOTES:

1. SILT FENCE TO BE INSTALLED IN AREAS OF SIGNIFICANT TOPOGRAPHY AND SHALL HAVE STAKES @ 5'–0" O.C.
2. ALL SILT FENCE AND OTHER SEDIMENT BMP'S MUST BE PLACED IMMEDIATELY BEHIND THE BACK OF CURB OR SIDEWALK. IF GAP EXISTS AFTER INSTALLATION, ECB MAY BE NECESSARY.
3. LOT PROTECTION (LP) IS REQUIRED ON COMMERCIAL LOTS WHEN LANDSCAPING IS NOT POSSIBLE.
4. ALL CONSTRUCTION TRASH MUST BE THOROUGHLY CLEANED UP ON A DAILY BASIS.
5. REFER TO IRRIGATION AND LANDSCAPE PLANS FOR TEMPORARY IRRIGATION PLANS.
6. ALL PERMANENT SLOPES STEEPER THAN 4:1 NEED ECB.
7. CONCRETE WASHOUT, STABILIZED STAGING AREA, PORTABLE TOILETS AND SOIL STOCKPILE LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR/DEVELOPER AND UPDATED ON THE STORMWATER MANAGEMENT PLAN AS REQUIRED BY THE STATE ISSUED STORMWATER DISCHARGE PERMIT. ANY CBMP PLAN CHANGES SHALL BE COORDINATED THROUGHT THE TOWN'S ENVIRONMENTAL INSPECTOR.
8. EROSION CONTROL BLANKET (ECB) MAY BE UTILIZED OVER THE ENTIRE TREE LAWN IN LIEU OF THE SCL.

LEGEND

▨	CWA	CONCRETE WASHOUT AREA
	DTC	DEBRIS TRASH CONTROL
▣	IPAN	INLET PROTECTION FOR AREA INLETS NOT IN PAVEMENT
	IPCOG	INLET PROTECTION, CURB ON–GRADE, TYPE R INLET
	IPCOS	INLET PROTECTION, CURB ON SUMP, TYPE R INLET
━ ▪ ▪ ━	LOC	LIMITS OF CONSTRUCTION
	STP	SIDEWALK TRANSITION PROTECTION
	RCSC	ROUGH CUT STREET CONTROL
▨	SCL	SEDIMENT CONTROL LOG
▨	ECB	EROSION CONTROL BLANKET
—— X ——	SF	SILT FENCE
	SMC	SEEDING, MULCHING AND CRIMPING
	SR	SURFACE ROUGHING
——DD——	DD	DIVERSION DITCH

TOWN OF PARKER APPROVALS

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH THE TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATION. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

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TOWN OF PARKER, DIRECTOR OF ENGINEERING DATE

ROADWAY & STORM DRAIN PLANS FOR
DOUGLAS 234
FILING, NO. 6
DOUGLAS COUNTY, COLORADO

RICK™
ENGINEERING COMPANY
9801 EAST EASTER AVE
CENTENNIAL, CO 80112
303.537.8020
Tucson - San Diego - Riverside - Orange
Sacramento - San Luis Obispo - Phoenix
rickengineering.com

811
Know what's below.
Call before you dig.

REVISIONS:

NO.	DESCRIPTION	DATE:
△	-	-

SCALE: 1" = 50'
DATE: 9/14/2020
DRAWN BY: WD
CHECKED BY: JS
JOB NO: D01173–A

**INTERIM-
FINAL
CBMP
PLAN**

PROJECT NO. D01173–A
DRAWING NO. 6
SHEET NO. 6 OF 25 SHEETS

PRELIMINARY
NOT FOR CONSTRUCTION

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

CD	CHECK DAM
CF	CONSTRUCTION FENCE
CP	CULVERT PROTECTION
CWA	CONCRETE WASHOUT AREA
D	DEWATERING
DD	DIVERSION DITCH
DP	DETENTION POND PROTECTION
DTC	DEBRIS TRASH CONTROL
ECB	EROSION CONTROL BLANKET
IPAN	INLET PROTECTION FOR AREA INLETS NOT IN PAVEMENT
IPAP	INLET PROTECTION FOR AREA INLETS IN PAVEMENT
IPCOG	INLET PROTECTION, CURB ON-GRADE, TYPE R INLET
IPCOS	INLET PROTECTION, CURB ON SUMP, TYPE R INLET

Town of Parker COLORADO | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | LEGEND 1 OF 3 Oct. 2013

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LP	LOT PROTECTION
MWP	MASONRY WORK PROTECTION
PTP	PORTABLE TOILET PROTECTION
RCSC	ROUGH CUT STREET CONTROL
RS	ROCK SOCK
RSS	ROCK SOCK IN SWALE
SB	STRAW BALE
SCL	SEDIMENT CONTROL LOGS
SF	SILT FENCE
SMC	SEEDING, MULCHING AND CRIMPING
SR	SURFACE ROUGHING
SSA	STABILIZED STAGING AREA
STP	SIDEWALK TRANSITION PROTECTION

Town of Parker COLORADO | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | LEGEND 2 OF 3 Oct. 2013

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TI	TEMPORARY IRRIGATION
TSB	TEMPORARY SEDIMENT BASIN
VTC	VEHICLE TRACKING CONTROL

Town of Parker COLORADO | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | LEGEND 3 OF 3 Oct. 2013

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1. GRADING, DRILLING, CLEARING, EXCAVATING, BACK-FILLING, SOIL STRIPPING, SOIL IMPORTING EXPORTING OR ANY OTHER FORM OF SOIL DISTURBANCE SHALL NOT COMMENCE UNTIL A TOWN OF PARKER GRADING/EXCAVATION PERMIT HAS BEEN ISSUED.
2. THE TOWN OF PARKER GRADING/EXCAVATION PERMIT IS VALID FOR A PERIOD OF 2 YEARS FROM THE DATE OF ISSUANCE. ANY LAPSE IN PERMIT COVERAGE MAY RESULT IN THE ISSUANCE OF A STOP WORK ORDER AND/OR FINES.
3. ALL EROSION AND SEDIMENT CONTROL BMPS SHALL BE INSTALLED ACCORDING TO THE CBMP PLAN INSTALLATION NOTES AND DETAILS AND/OR PERMITTED VARIANCES. ALL MATERIALS, WORKMANSHIP AND INSTALLATION METHODS ARE SUBJECT TO INSPECTION BY THE TOWN'S INSPECTOR. THE TOWN OF PARKER RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS, WORKMANSHIP AND/OR INSTALLATION METHODS THAT DO NOT CONFORM TO THE CBMP PLAN AND/OR PERMITTED VARIANCES.
4. THE EROSION CONTROL SUPERVISOR SHALL REVISE OR MODIFY THE EROSION AND SEDIMENT CONTROL MEASURES IF IT BECOMES APPARENT THAT THE ORIGINAL PLAN IS INADEQUATE, OR AS A RESULT OF DEFICIENCIES IDENTIFIED DURING INSPECTIONS PERFORMED BY THE TOWN'S INSPECTOR.
5. THE INSTALLATION OF ADDITIONAL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPS) MAY BE REQUIRED OF THE EROSION CONTROL SUPERVISOR, PROPERTY OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS AT ANY TIME THROUGHOUT THE DURATION OF THE PROJECT CONSTRUCTION AND/OR SUBSEQUENT REVEGETATION PERIOD.
6. THE EROSION CONTROL SUPERVISOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE SITE REMAINS IN COMPLIANCE WITH THE NOTICE OF NUISANCE REPORTS (a.k.a, CONSTRUCTION SITE RUNOFF CONTROL INSPECTION REPORTS), APPROVED CBMP PLAN(S) AND THE TOWN OF PARKER STORM DRAINAGE AND ENVIRONMENTAL CRITERIA MANUAL.
7. THE EROSION CONTROL SUPERVISOR SHALL BE READILY AVAILABLE TO DISCUSS AND CORRECT ANY PROBLEMS THAT MAY ARISE RELATING TO GRADING, EROSION AND SEDIMENT CONTROL.
8. IF IT IS ANTICIPATED THAT ALL OR A PORTION OF THE PROJECT WILL OCCUR DURING SEASONS SUSCEPTIBLE TO SNOWFALL, THE USE OF CERTAIN EROSION AND SEDIMENT CONTROL BMPS ADJACENT TO PUBLIC ROADWAYS MAY NEED TO BE RECONSIDERED DUE TO THE NATURE OF SNOW REMOVAL OPERATIONS. AN APPROVED ALTERNATIVE MAY BE NECESSARY TO MINIMIZE DAMAGE FROM THESE OPERATIONS. THE TOWN OF PARKER ASSUMES NO RESPONSIBILITY FOR DAMAGE TO ANY BMPS AS A RESULT OF SNOW PLOWING AND SNOW REMOVAL.
9. AREAS OF LAND DISTURBANCE EQUAL TO 40 ACRES OR GREATER SHALL NOT BE EXPOSED FOR MORE THAN 30 CONSECUTIVE DAYS WITHOUT TEMPORARY OR PERMANENT STABILIZATION.
10. AUTHORIZED EXEMPTIONS MAY BE ALLOWED TO THE 40-ACRE LIMIT FOR REMOVAL AND STORAGE OF CUT MATERIAL WHERE (A) GEOTECHNICAL LIMITATIONS RESTRICT THE USE OF TEMPORARY OR PERMANENT STABILIZATION OF THE STORED MATERIAL (E.G., SWELLING SOILS, ROCK) AND (B) WHEN THE OWNER CAN DEMONSTRATE THAT THE 40-ACRE LIMIT IS PHYSICALLY AND/OR FINANCIALLY IMPRACTICABLE. FOR SITES GRANTED THIS EXEMPTION, A PHASING AND EARTHWORK QUANTITIES PLAN SHALL BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT AND APPROVED PRIOR TO THE COMMENCEMENT OF LAND DISTURBANCE ACTIVITIES. SUBMITTAL REQUIREMENTS INCLUDE:
    - (I) PHASING PLAN SHOWING CUT AND FILL VOLUMES AND LOCATIONS FOR EACH PHASE AND PROJECT TOTALS.
    - (II) EARTHWORK QUANTITY PLAN SHOWING CUT AND FILL VOLUMES AND LOCATIONS FOR EACH PHASE AND PROJECT TOTALS.
    - (III) BMP PLAN SHOWING SPECIFIC EROSION AND SEDIMENT CONTROLS FOR EACH PHASE.

Town of Parker COLORADO | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | GEN NOTES 1 OF 4 Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

11. ANY EROSION AND SEDIMENT CONTROL BMPS THAT ARE DAMAGED OR IN NEED OF MAINTENANCE OR REPLACEMENT SHALL BE CORRECTED AS SOON AS POSSIBLE, IMMEDIATELY IN MOST CASES.
12. ALL DEFICIENCIES LISTED ON THE NOTICE OF NUISANCE FORM SHALL BE COMPLETED AS SOON AS POSSIBLE, IMMEDIATELY IN MOST CASES. ALL REQUIRED ACTIONS MUST BE IN THE CORRECTED FORM DURING THE FOLLOW-UP INSPECTION.
13. THE EROSION CONTROL SUPERVISOR IS RESPONSIBLE FOR ENSURING THAT ALL STREETS, CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS, PARKING LOTS, ALLEYS, TRICKLE CHANNELS, AND/OR OTHER IMPERVIOUS SURFACES IMPACTED BY CONSTRUCTION ACTIVITIES ARE THOROUGHLY CLEANED THROUGHOUT THE DAY IF THEY BECOME SOILED. THESE AREAS MUST ALSO BE THOROUGHLY CLEAN BEFORE THE END OF THE WORK DAY.
14. BULK STORAGE STRUCTURES FOR PETROLEUM PRODUCTS AND OTHER CHEMICALS SHALL HAVE ADEQUATE PROTECTION SO AS TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM ENTERING STATE WATERS.
15. ALL TRASH RECEPTACLES ON SITE SHALL BE FREE OF HOLES, CRACKS, GAPS, AND/OR OTHER PERMEABLE AREAS THAT MAY ALLOW FOR THE DISCHARGE OF POLLUTANTS.
16. ALL TRASH RECEPTACLES ON SITE SHALL BE EMPTIED AT A FREQUENCY AS TO ENSURE THAT THE TRASH REMAINS CONFINED TO THE RECEPTACLE.
17. ALL LOOSE TRASH AND LITTER ASSOCIATED WITH THE PROJECT MUST BE REMOVED AND PROPERLY DISCARDED ON A DAILY BASIS.
18. ALL PORTABLE TOILETS SHALL BE STAKED DOWN AT ALL TIMES USING U-SHAPED REBAR STAKES. THE PORTABLE TOILETS SHALL ALSO BE PLACED A MINIMUM DISTANCE OF 10 FEET FROM ALL IMPERVIOUS SURFACES, INCLUDING, BUT NOT LIMITED TO STREETS CURBS, GUTTERS, SIDEWALKS AND PARKING LOTS.
19. THE EROSION CONTROL SUPERVISOR SHALL MAINTAIN STRICT ADHERENCE TO THE LIMITS OF CONSTRUCTION AND PROPERTY LIMITS FOR ALL MATERIALS, VEHICLES AND EQUIPMENT. FAILURE TO ABIDE BY THIS REQUIREMENT MAY RESULT IN THE ISSUANCE OF A STOP WORK ORDER.
20. ALL CONSTRUCTION TRAFFIC MUST ENTER AND EXIT THE SITE THROUGH THE APPROVED ACCESS POINT(S). A VEHICLE TRACKING CONTROL PAD IS REQUIRED AT ALL APPROVED ACCESS POINTS TO THE SITE. EXCEPTIONS MAY BE CONSIDERED FOR CONSTRUCTION ACTIVITY OCCURRING IMMEDIATELY ADJACENT TO PAVED AREAS AND WHERE ALTERNATIVE BMP'S ARE IMPLEMENTED. SUCH ACTIVITY MAY INCLUDE, BUT NOT BE LIMITED TO RESIDENTIAL CONSTRUCTION, UTILITY CONSTRUCTION, ETC.
21. NO PERMANENT SLOPES GREATER THAN 3:1 ARE ALLOWED.
22. ALL PERMANENT SLOPES STEEPER THAN 4:1 (HORIZONTAL TO VERTICAL) SHALL REQUIRE EROSION CONTROL BLANKET(S). TEMPORARY SLOPES IN TEMPORARY SEDIMENT BASINS THAT ARE STEEPER THAN 4:1 MAY REQUIRE EROSION CONTROL BLANKETS.
23. THE EROSION CONTROL SUPERVISOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ADVERSE IMPACTS THAT OCCUR TO NEIGHBORING PROPERTIES. THE EROSION CONTROL SUPERVISOR MUST OBTAIN PERMISSION FROM LAND OWNERS PRIOR TO ENTERING SUCH PROPERTY.
24. A WATER SOURCE SHALL BE AVAILABLE ONSITE DURING CONSTRUCTION ACTIVITIES, AND UTILIZED TO MINIMIZE FUGITIVE DUST. ALTERNATIVE BMPS MAY BE REQUIRED IF INITIAL ATTEMPTS TO SUPPRESS DUST ARE UNSUCCESSFUL.

Town of Parker COLORADO | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | GEN NOTES 2 OF 4 Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

25. ALL CHEMICAL OR HAZARDOUS MATERIAL SPILLS, INCLUDING CONCRETE WASHOUT WATER, WHICH MAY ENTER WATERS OF THE STATE OF COLORADO, WHICH INCLUDES BUT ARE NOT LIMITED TO, SURFACE WATER, GROUND WATER, DRY GULLIES OR STORM SEWERS LEADING TO SURFACE WATER, SHALL BE IMMEDIATELY REPORTED TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT (CDPHE) PER 25-8-601, AND THE TOWN OF PARKER. RELEASES OF PETROLEUM PRODUCTS AND CERTAIN HAZARDOUS SUBSTANCES LISTED UNDER THE FEDERAL CLEAN WATER ACT (40 CFR PART 116) MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER AND THE CDPHE. SPILLS THAT POSE AN IMMEDIATE SAFETY HAZARD SHALL BE REPORTED TO 911.
26. THE CLEANING OF CONCRETE TRUCKS AND EQUIPMENT IS RESTRICTED TO THE APPROVED CONCRETE WASHOUT LOCATION ON THE JOB SITE. CONCRETE WASH WATER SHALL NOT BE DISCHARGED TO STATE WATERS OR STORM SEWER SYSTEMS.
27. VEHICLE AND EQUIPMENT DEGREASING IS PROHIBITED ON THE JOB SITE.
28. ALL DEWATERING ON SITE SHALL BE COORDINATED WITH THE TOWN'S INSPECTOR. A STATE PERMIT MAY BE REQUIRED FOR DEWATERING. THE EROSION CONTROL SUPERVISOR IS RESPONSIBLE FOR OBTAINING AND ADHERING TO ALL APPLICABLE PERMITS.
29. HYDRAULIC SEEDING AND/OR HYDRAULIC MULCHING ARE ONLY ALLOWED IN AREAS UNDER TEMPORARY OR PERMANENT IRRIGATION OR FOR THE PURPOSE OF TEMPORARY SOIL STABILIZATION.
30. APPLICABLE CONSTRUCTION BMPS SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL ALL LANDSCAPING HAS BEEN INSTALLED AND THE DESIRABLE VEGETATION HAS REACHED A POINT IN WHICH EROSION AND SEDIMENTATION IS NO LONGER A CONCERN AS DETERMINED BY THE TOWN'S INSPECTOR.
31. GRADING SECURITY RELEASE REQUIREMENTS:

    1) DEVELOPABLE PROPERTY: IN ORDER FOR THE GRADING SECURITY TO BE RELEASED, THE SITE MUST MEET ITEMS A-H OR ITEM I (BELOW).

    A. ALL SOIL-DISTURBING ACTIVITIES ASSOCIATED WITH THE GRADING PERMIT HAVE PERMANENTLY CEASED.
    B. UNIFORM PERENNIAL VEGETATION COVER HAS BEEN ESTABLISHED WITH AN INDIVIDUAL PLANT DENSITY OF AT LEAST SEVENTY PERCENT (70%) OF PRE-DISTURBANCE LEVELS.
    C. ALL CBMPS HAVE BEEN PROPERLY REMOVED FROM THE SITE.
    D. IF ANY EROSION IS PRESENT, IT IS INSIGNIFICANT AND IS NOT LEAVING THE SITE AND/OR LEADING INTO ANY ON-SITE DRAINAGE INFRASTRUCTURE THAT MAY CONVEY SURFACE WATER OFF SITE.
    E. WEEDS REPRESENT NO MORE THAN FIFTY PERCENT (50%) OF THE TOTAL VEGETATION ON THE SITE.
    F. NO WEEDS ARE PRESENT FROM LIST A OF THE COLORADO NOXIOUS WEED LIST, AS AMENDED.
    G. THE SITE IS PREDOMINANTLY FREE OF WEEDS FROM LIST B OF THE COLORADO NOXIOUS WEED LIST, AS AMENDED.
    H. WEEDS ARE EVENLY DISTRIBUTED THROUGHOUT THE SITE WITH NO LARGE CONCENTRATIONS PRESENT.
    I. A NEW GRADING PERMIT AND REPLACEMENT SECURITY HAS BEEN SUBMITTED AND APPROVED

FOR THE APPLICABLE SITE OR ASSIGNMENT AS PROVIDED BY SECTION 11.10.150 OF THE TOWN OF PARKER MUNICIPAL CODE. IT IS THE PROPERTY OWNER'S OBLIGATION AT THE TIME OF CLOSING TO ENSURE THAT THE NEW SITE OWNER HAS PROVIDED THE TOWN WITH A REPLACEMENT SECURITY.

Town of Parker COLORADO | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | GEN NOTES 3 OF 4 Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

2) NONDEVELOPABLE PROPERTY: IN ORDER FOR THE GRADING SECURITY TO BE RELEASED, THE SITE MUST MEET ITEMS A-H AND J, OR ITEMS I AND J (BELOW).

A. ALL SOIL-DISTURBING ACTIVITIES ASSOCIATED WITH THE GRADING PERMIT HAVE PERMANENTLY CEASED.
B. ALL CBMPS HAVE BEEN PROPERLY REMOVED FROM THE SITE.
C. EROSION IS NEGLIGIBLE, IF EVEN PRESENT.
D. THE VEGETATION REPRESENTS A PERENNIAL STAND OF A DENSE, UNIFORM SURFACE OF GRASS WITH NO AREA GREATER THAN ONE (1) SQUARE FOOT THAT IS BARREN OF DESIRABLE VEGETATION. INFREQUENT, WIDELY SCATTERED AREAS WHERE NATIVE VEGETATION HAS NOT YET TAKEN HOLD MAY QUALIFY FOR ACCEPTANCE AT THE DISCRETION OF THE TOWN.
E. WEEDS REPRESENT NO MORE THAN TEN PERCENT (10%) OF THE TOTAL VEGETATION ON SITE.
F. NO WEEDS ARE PRESENT FROM LIST A OF THE COLORADO NOXIOUS WEED LIST, AS AMENDED.
G. THE SITE IS PREDOMINANTLY FREE OF WEEDS FROM LIST B OF THE COLORADO NOXIOUS WEED LIST, AS AMENDED.
H. WEEDS ARE EVENLY DISTRIBUTED THROUGHOUT THE SITE WITH NO LARGE CONCENTRATIONS PRESENT.
I. A NEW GRADING PERMIT AND REPLACEMENT SECURITY HAS BEEN SUBMITTED AND APPROVED FOR THE APPLICABLE SITE OR THE GRADING PERMIT HAS BEEN ASSIGNED AS PROVIDED BY SECTION 11.10.150 OF THE TOWN OF PARKER MUNICIPAL CODE. IT IS THE PROPERTY OWNER'S OBLIGATION, AT THE TIME OF CLOSING ON THE SALE OF A SITE THAT IS SUBJECT TO A GRADING PERMIT, TO ENSURE THAT THE NEW PROPERTY OWNER HAS PROVIDED THE TOWN WITH A REPLACEMENT SECURITY.
J. ALL KNOWN DRAINAGE ISSUES ASSOCIATED WITH THE PROJECT HAVE BEEN MITIGATED AND A SUFFICIENT AMOUNT OF TIME HAS PASSED TO ENSURE THAT SUCH ISSUES HAVE BEEN CORRECTED. THIS REQUIREMENT DOES NOT INCLUDE THOSE DRAINAGE ISSUES ORIGINATING ON RESIDENTIAL LOTS.

(D) NOXIOUS WEEDS MUST BE CONTROLLED AS PROVIDED UNDER STATE LAW AND SECTION 6.01.260 OF THE TOWN OF PARKER MUNICIPAL CODE. FAILURE TO CONTROL NOXIOUS WEEDS ON THE SITE MAY CONSTITUTE A NUISANCE, SUBJECT TO THE PENALTIES CONTAINED IN THE CODE.

DEFINITIONS:

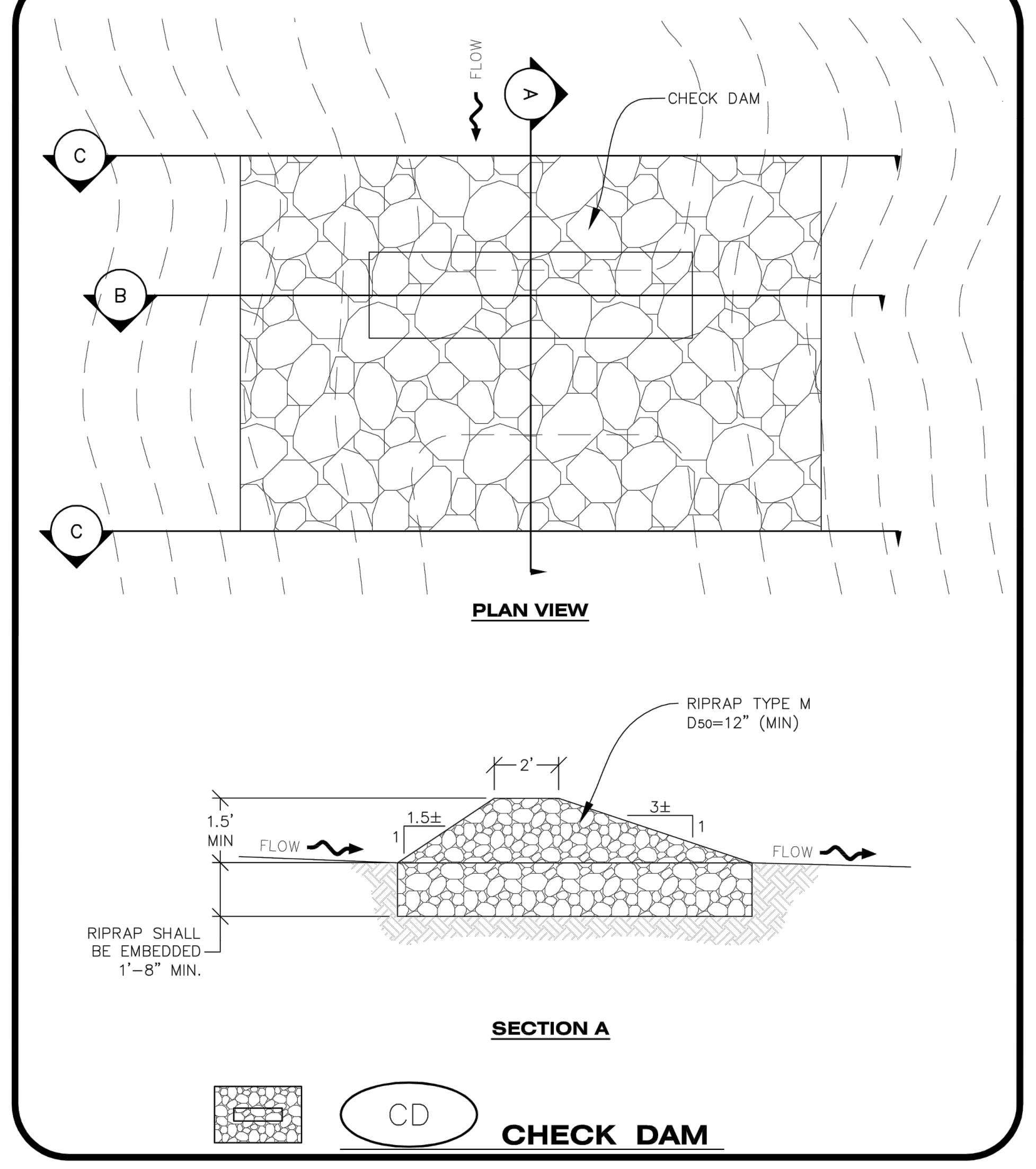
DEVELOPABLE PROPERTY MEANS ANY LAND THAT HAS BEEN GRADED AND IS PART OF A PLATTED LOT OR PLATTED TRACT OF RECORD, THAT WAS PLATTED FOR FUTURE DEVELOPMENT, INCLUDING RESIDENTIAL HOME CONSTRUCTION OR PUBLIC IMPROVEMENTS.

NONDEVELOPABLE PROPERTY MEANS LAND THAT HAS BEEN GRADED AND WILL NOT BE FURTHER DISTURBED AS PART OF ANY FUTURE DEVELOPMENT. EXAMPLES INCLUDE, BUT ARE NOT LIMITED TO: PARKS, OPEN SPACE, HOMEOWNER ASSOCIATION OR BUSINESS ASSOCIATION PLATTED TRACTS, DETENTION PONDS AND DRAINAGEWAYS.

32. FAILURE TO COMPLY WITH ANY OF THE REQUIREMENTS DESCRIBED IN THIS SECTION MAY RESULT IN THE ISSUANCE OF: A NOTICE OF INTENT TO ISSUE A STOP WORK ORDER, A STOP WORK ORDER AND/OR THE REMEDIES/PENALTIES DESCRIBED IN CHAPTER 11.10 OF THE TOWN OF PARKER MUNICIPAL CODE.
33. ANY PERSON CONVICTED OF VIOLATING ANY PROVISION OF THE TOWN OF PARKER, GRADING & EARTH MOVEMENT SECTION OF THE MUNICIPAL CODE SHALL BE GUILTY OF A MISDEMEANOR AND, UPON CONVICTION, BE PUNISHED BY A FINE OF NOT MORE THAN FOUR HUNDRED NINETY NINE DOLLARS ($499.00) FOR EACH SEPARATE OFFENSE. EACH DAY A VIOLATION CONTINUES SHALL CONSTITUTE A SEPARATE OFFENSE. THE TOWN ALSO MAY SEEK IN MUNICIPAL COURT AN INJUNCTION, ABATEMENT, RESTITUTION OR ANY OTHER REMEDY TO PREVENT, ENJOIN, ABATE OR REMOVE THE VIOLATION. A PERSON CONVICTED OF VIOLATING CHAPTER 11.10 OF THE TOWN OF PARKER MUNICIPAL CODE SHALL BE LIABLE FOR THE ACTUAL COST OF REHABILITATING THE PROPERTY. THE COSTS MAY BE RECOVERED AS RESTITUTION IN MUNICIPAL COURT PROCEEDINGS OR IN A SEPARATE CIVIL ACTION.
34. THE TOWN OF PARKER RESERVES THE RIGHT TO ALLOW MODIFICATIONS AND SUBSTITUTIONS TO THE CBMP NOTES AND DETAILS WHEN SUCH MODIFICATIONS AND SUBSTITUTIONS OFFER THE SAME LEVEL OF PROTECTION AS THE STANDARD REQUIREMENTS BASED UPON THE SPECIFIC SITUATION, AS DETERMINED BY TOWN STAFF. DUE TO THE INSIGNIFICANCE AND REGULARITY OF SUCH MODIFICATIONS AND SUBSTITUTIONS, THE APPROVAL OF SUCH VARIATIONS MAY NOT BE DOCUMENTED BY TOWN STAFF.

Town of Parker COLORADO | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | GEN NOTES 4 OF 4 Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.



CD CHECK DAM

Town of Parker COLORADO | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | CD 1 OF 3 Oct. 2013

TOWN OF PARKER APPROVALS

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TOWN OF PARKER, DIRECTOR OF ENGINEERING/PUBLIC WORKS DATE

ROADWAY & STORM DRAIN PLANS FOR
DOUGLAS 234
FILING, NO. 6
DOUGLAS COUNTY, COLORADO

RICK ENGINEERING COMPANY
9801 EAST EASTER AVE
CENTENNIAL, CO 80112
303.537.8020
Tucson - San Diego - Riverside - Orange
Sacramento - San Luis Obispo - Phoenix
rickengineering.com

811 Know what's below. Call before you dig.

REVISIONS:

NO.	DESCRIPTION	DATE:
△	-	-

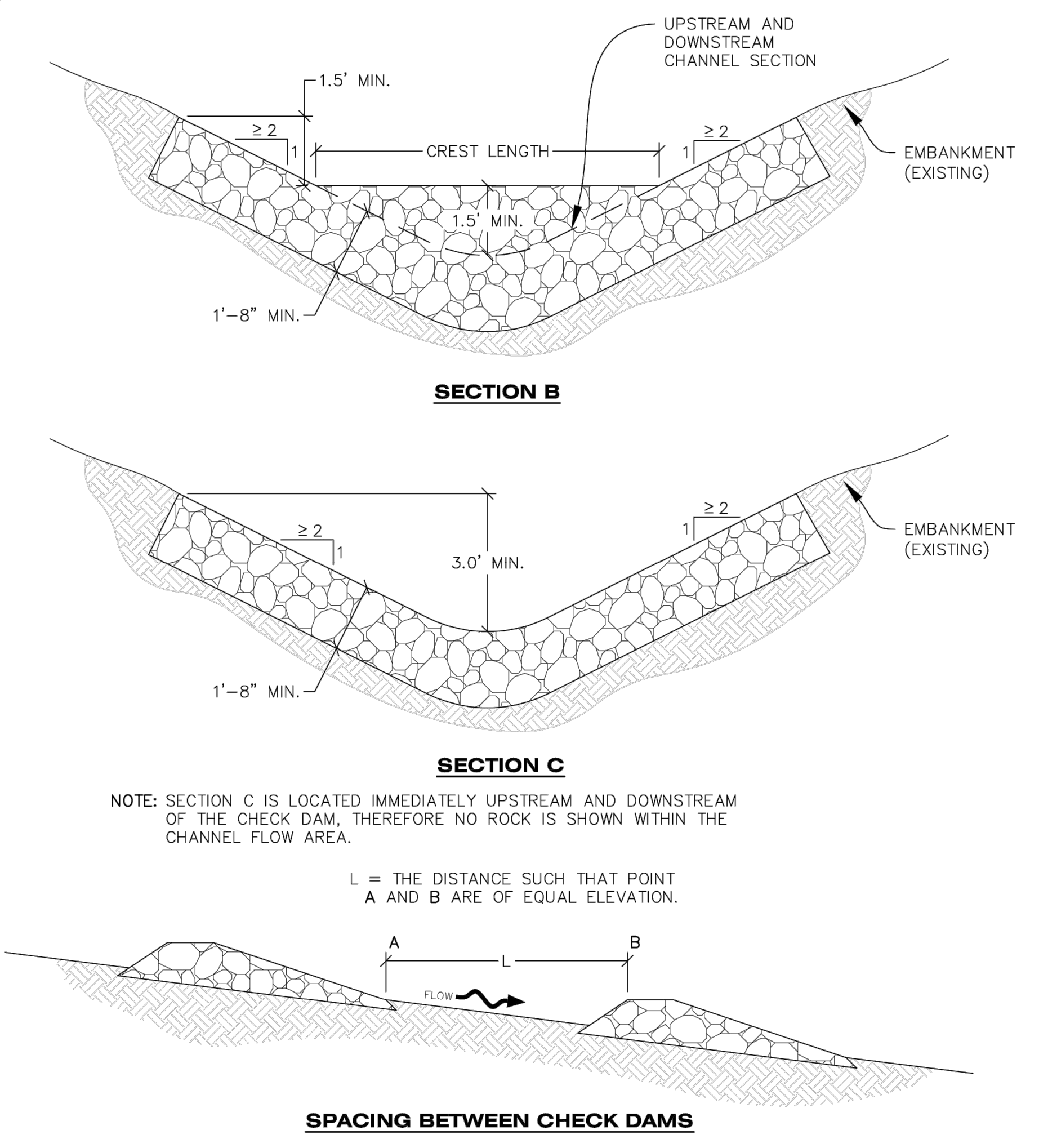
SCALE: NTS
DATE: 9/14/2020
DRAWN BY: WD
CHECKED BY: JS
JOB NO: D01173-A

CBMP
DETAILS 1

PROJECT NO. D01173-A
DRAWING NO. 7
SHEET NO. 7 OF 25 SHEETS

PRELIMINARY
NOT FOR CONSTRUCTION

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.


UPSTREAM AND DOWNSTREAM CHANNEL SECTION
1.5' MIN.
≥ 2
1
CREST LENGTH
1.5' MIN.
EMBANKMENT (EXISTING)
1'–8" MIN.
SECTION B
3.0' MIN.
1'–8" MIN.
SECTION C
A
B
L
FLOW
SPACING BETWEEN CHECK DAMS

NOTE: SECTION C IS LOCATED IMMEDIATELY UPSTREAM AND DOWNSTREAM OF THE CHECK DAM, THEREFORE NO ROCK IS SHOWN WITHIN THE CHANNEL FLOW AREA.

L = THE DISTANCE SUCH THAT POINT A AND B ARE OF EQUAL ELEVATION.

CD **CHECK DAM**

Town of Parker COLORADO
CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES
CD
2 OF 3
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

CHECK DAM INSTALLATION NOTES

1. SEE PLAN VIEW FOR LOCATION(S) OF CHECK DAMS.
2. CHECK DAMS SHOWN ON CBMP PLAN SHALL BE INSTALLED WHEN DIRECTED BY THE TOWN'S INSPECTOR.
3. RIPRAP UTILIZED FOR CHECK DAMS SHALL HAVE A D50 MEDIAN STONE SIZE OF 12".
4. RIPRAP PAD SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF 1'–8".
5. THE MAXIMUM SPACING BETWEEN CHECK DAMS SHOULD BE SUCH THAT THE BOTTOM OF THE UPSTREAM DAM IS AT THE SAME ELEVATION AS THE TOP OF THE DOWNSTREAM DAM AS SHOWN IN THE DETAIL.

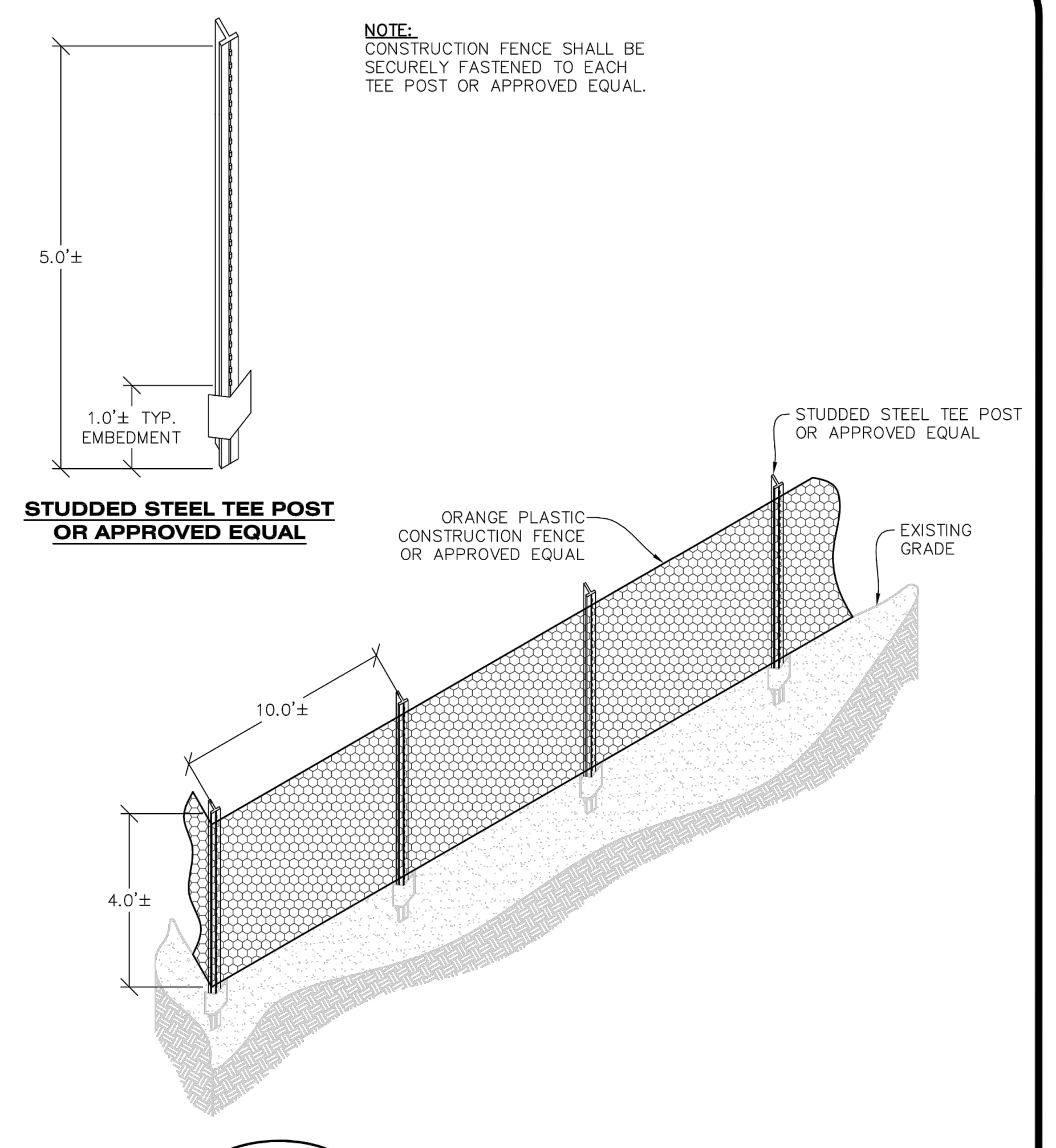
CHECK DAM INSPECTION AND MAINTENANCE NOTES

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE CHECK DAMS.
2. ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE SEDIMENT HAS REACHED A DEPTH EQUAL TO 1/2 THE HEIGHT OF THE CREST OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.
3. CHECK DAMS SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.
4. WHEN CHECK DAMS ARE REMOVED, THE TOWN'S INSPECTOR MAY REQUIRE EXCAVATIONS TO BE FILLED WITH SUITABLE COMPACTED TOPSOIL AND ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE CHECK DAMS BE ROUGHENED, SEEDED, MULCHED, AND CRIMPED PER THE TOWN'S SPECIFICATIONS (SEE DETAIL SMC).
5. IN SOME INSTANCES, CHECK DAMS MAY REMAIN IN PLACE PERMANENTLY.

Town of Parker COLORADO
CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES
CD
3 OF 3
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

NOTE:
CONSTRUCTION FENCE SHALL BE SECURELY FASTENED TO EACH TEE POST OR APPROVED EQUAL.


5.0'±
1.0'± TYP. EMBEDMENT
STUDDED STEEL TEE POST OR APPROVED EQUAL
STUDDED STEEL TEE POST OR APPROVED EQUAL
ORANGE PLASTIC CONSTRUCTION FENCE OR APPROVED EQUAL
EXISTING GRADE
10.0'±
4.0'±

CF **CONSTRUCTION FENCE**

Town of Parker COLORADO
CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES
CF
1 OF 2
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

CONSTRUCTION FENCE INSTALLATION NOTES

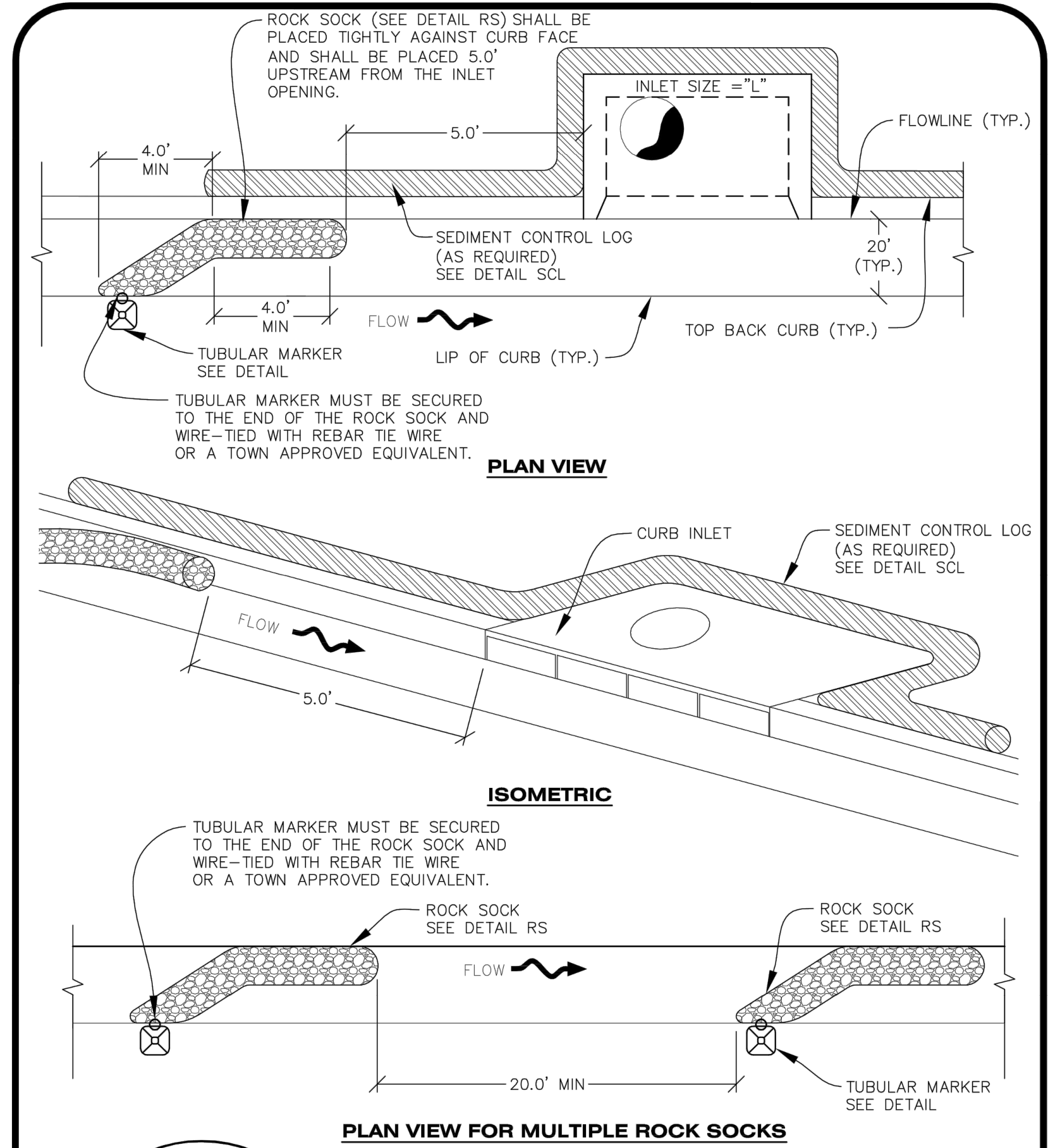
1. THE CONSTRUCTION FENCE SHALL BE SECURELY FASTENED TO EACH POST OR APPROVED EQUAL.

CONSTRUCTION FENCE INSPECTION AND MAINTENANCE NOTES

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE CONSTRUCTION FENCE AND MAKE ANY NECESSARY REPAIRS.
2. CONSTRUCTION FENCE SHALL BE REPAIRED WHEN THE FENCING MATERIAL FALLS OUT OF COMPLIANCE WITH THE NOTES AND DETAILS.

Town of Parker COLORADO
CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES
CF
2 OF 2
Oct. 2013

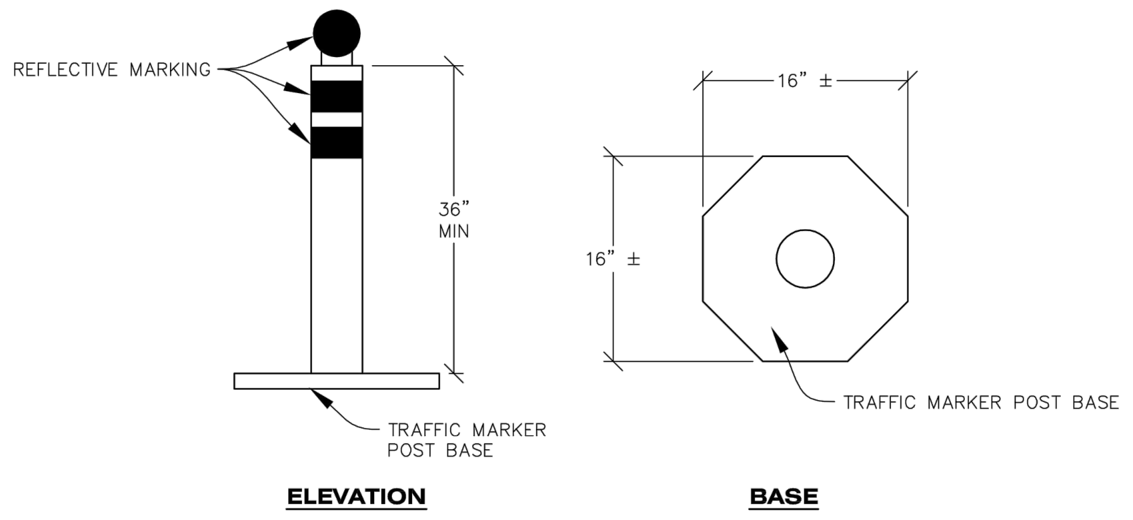
NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.


ROCK SOCK (SEE DETAIL RS) SHALL BE PLACED TIGHTLY AGAINST CURB FACE AND SHALL BE PLACED 5.0' UPSTREAM FROM THE INLET OPENING.
INLET SIZE ="L"
5.0'
4.0' MIN
FLOWLINE (TYP.)
SEDIMENT CONTROL LOG (AS REQUIRED) SEE DETAIL SCL
20' (TYP.)
4.0' MIN
FLOW
TOP BACK CURB (TYP.)
TUBULAR MARKER SEE DETAIL
LIP OF CURB (TYP.)
TUBULAR MARKER MUST BE SECURED TO THE END OF THE ROCK SOCK AND WIRE–TIED WITH REBAR TIE WIRE OR A TOWN APPROVED EQUIVALENT.
PLAN VIEW
CURB INLET
SEDIMENT CONTROL LOG (AS REQUIRED) SEE DETAIL SCL
FLOW
5.0'
ISOMETRIC
TUBULAR MARKER MUST BE SECURED TO THE END OF THE ROCK SOCK AND WIRE–TIED WITH REBAR TIE WIRE OR A TOWN APPROVED EQUIVALENT.
ROCK SOCK SEE DETAIL RS
ROCK SOCK SEE DETAIL RS
FLOW
20.0' MIN
TUBULAR MARKER SEE DETAIL
PLAN VIEW FOR MULTIPLE ROCK SOCKS

IPCOG **INLET PROTECTION, CURB ON-GRADE, TYPE R INLET**

Town of Parker COLORADO
CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES
IPCOG
1 OF 3
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.


REFLECTIVE MARKING
36" MIN
TRAFFIC MARKER POST BASE
16" ±
16" ±
TRAFFIC MARKER POST BASE
ELEVATION
BASE

TUBULAR TRAFFIC MARKER DETAIL

Town of Parker COLORADO
CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES
IPCOG
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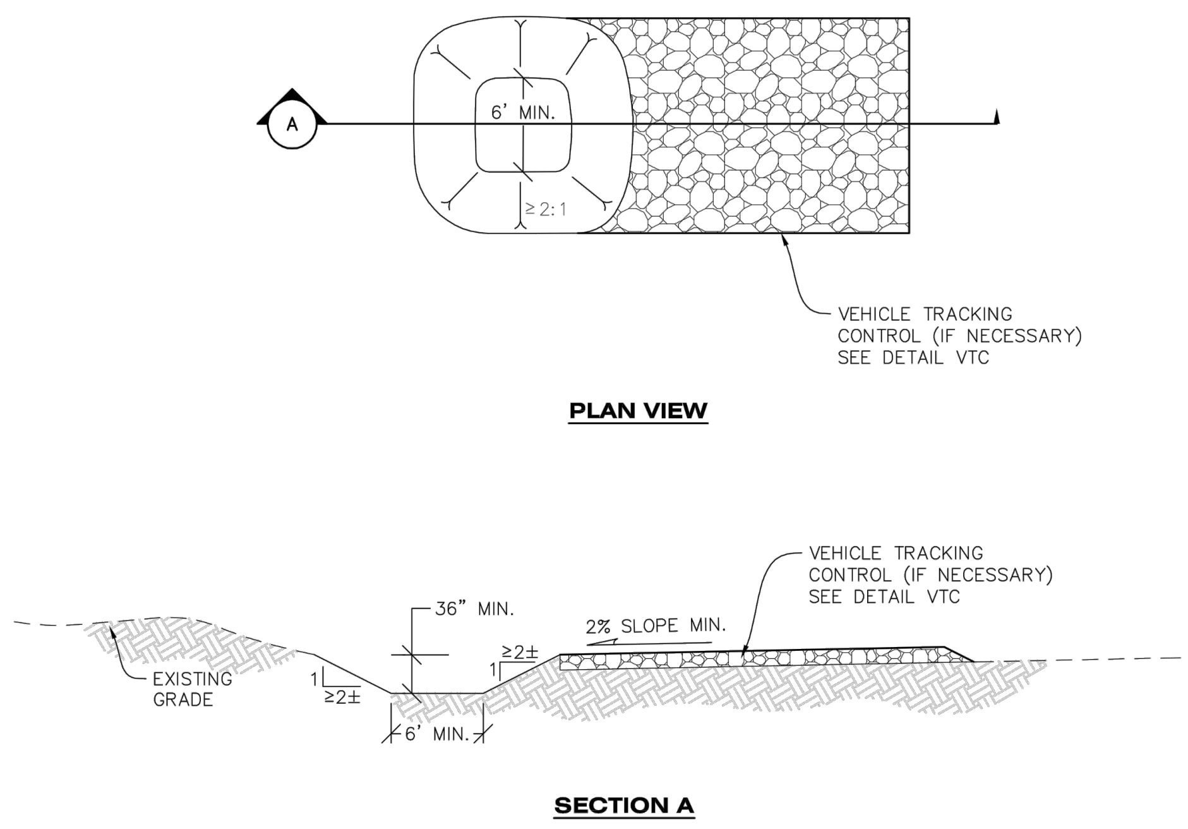
NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

NOTE:
A VTC PAD IS NOT NECESSARY IF THERE IS ANOTHER VTC PAD IN BETWEEN THE CWA AND ROADWAY, PARKING LOT, DRIVE AISLES, ETC.


A
6' MIN.
≥2:1
VEHICLE TRACKING CONTROL (IF NECESSARY) SEE DETAIL VTC
PLAN VIEW
VEHICLE TRACKING CONTROL (IF NECESSARY) SEE DETAIL VTC
36" MIN.
2% SLOPE MIN.
≥2±
1
EXISTING GRADE
1
≥2±
6' MIN.
SECTION A

CWA **CONCRETE WASHOUT AREA**

Town of Parker COLORADO
CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES
CWA
1 OF 2
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

CONCRETE WASHOUT AREA INSTALLATION NOTES

1. CONCRETE WASHOUT AREAS SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
2. A VEHICLE TRACKING CONTROL PAD IS REQUIRED AT THE ACCESS POINT TO ALL CONCRETE WASHOUT AREAS WHEN NO OTHER VTC PAD EXISTS IN BETWEEN THE CWA AND THE ROADWAY.
3. IF GROUNDWATER IS ENCOUNTERED WHEN DIGGING THE PIT, A NEW LOCATION SHOULD BE SELECTED. IF NO OTHER LOCATION CAN BE FOUND, A ONE–PIECE IMPERVIOUS LINER SHALL BE REQUIRED ALONG THE BOTTOM AND SIDES OF THE SUBSURFACE PIT.

CONCRETE WASHOUT AREA INSPECTION AND MAINTENANCE NOTES

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE CONCRETE WASHOUT AREA.
2. CONCRETE WASHOUT MATERIALS SHALL BE REMOVED BEFORE ITS CAPACITY HAS BEEN REACHED.
3. CONCRETE WASHOUT AREAS SHALL BE ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE AND ASSOCIATED WASH WATER.
4. CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE AS NECESSARY TO ENSURE ADEQUATE CAPACITY.
5. CONCRETE WASHOUT AREAS SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
6. WHEN CONCRETE WASHOUT AREAS ARE REMOVED, THE TOWN'S INSPECTOR MAY REQUIRE EXCAVATIONS TO BE FILLED WITH SUITABLE COMPACTED BACKFILL AND TOPSOIL, ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE CONCRETE WASHOUT AREAS SHALL BE ROUGHENED, SEEDED, MULCHED, AND CRIMPED PER THE TOWN'S SPECIFICATIONS (SEE DETAIL SMC).

Town of Parker COLORADO
CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES
CWA
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Oct. 2013

TOWN OF PARKER APPROVALS

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH THE TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATION. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

THIS REVIEW DOES NOT CONSTITUTE APPROVAL OF ANY PRIVATE ON–SITE IMPROVEMENTS WHICH MAY BE SHOWN. CONSTRUCTION CANNOT COMMENCE UNTIL ALL REQUIRED DRAINAGE/TRAFFIC REPORT(S), FINAL DEVELOPMENT PLAN(S), SPECIAL REVIEW(S), GRADING PERMIT, AND/OR OTHER PERMITS ARE COMPLETE, APPROVED AND ON FILE WITH THE TOWN OF PARKER.

____
TOWN OF PARKER, DIRECTOR OF ENGINEERING/PUBLIC WORKS DATE

ROADWAY & STORM DRAIN PLANS FOR
DOUGLAS 234
FILING, NO. 6
DOUGLAS COUNTY, COLORADO

RICK™
ENGINEERING COMPANY
9801 EAST EASTER AVE
CENTENNIAL, CO 80112
303.537.8020
Tucson - San Diego - Riverside - Orange
Sacramento - San Luis Obispo - Phoenix
rickengineering.com

811 Know what's below. Call before you dig.

REVISIONS:

NO.	DESCRIPTION	DATE:
△	-	-

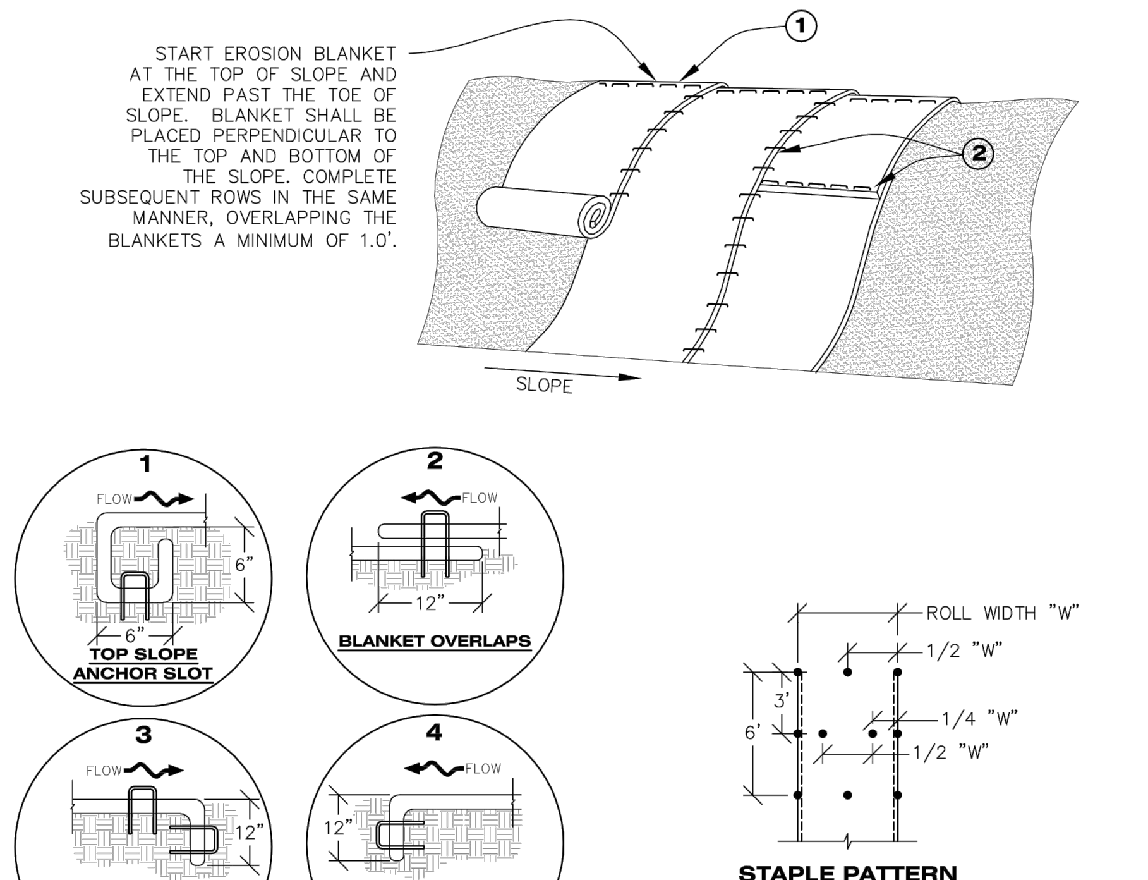
SCALE:	NTS
DATE:	9/14/2020
DRAWN BY:	WD
CHECKED BY:	JS
JOB NO:	D01173–A

CBMP DETAILS 2

PROJECT NO.
D01173–A
DRAWING NO.
8
SHEET NO. 8 OF 25 SHEETS

PRELIMINARY
NOT FOR CONSTRUCTION

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.


START EROSION BLANKET AT THE TOP OF SLOPE AND EXTEND PAST THE TOE OF SLOPE. BLANKET SHALL BE PLACED PERPENDICULAR TO THE TOP AND BOTTOM OF THE SLOPE. COMPLETE SUBSEQUENT ROWS IN THE SAME MANNER, OVERLAPPING THE BLANKETS A MINIMUM OF 1.0'.
①
②
SLOPE
1
FLOW
6"
6"
TOP SLOPE ANCHOR SLOT
2
FLOW
12"
BLANKET OVERLAPS
3
FLOW
12"
TOP SIDE SLOPE EDGE OF BLANKET
4
FLOW
12"
BLANKET TERMINAL ENDS
ROLL WIDTH "W"
1/2 "W"
1/4 "W"
1/2 "W"
3'
6'

STAPLE PATTERN

NOTE: STAPLES SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATION. IF MANUFACTURER INFO IS NOT AVAILABLE THEN ABOVE STAPLE PATTERN SHALL BE USED. WOODEN STAKES SHALL NOT BE USED FOR EROSION CONTROL BLANKET ON SLOPES.

NOTE:
WHEN NECESSARY, ALL SEEDING SHALL BE COMPLETED PRIOR TO THE PLACEMENT OF EROSION CONTROL BLANKETS. PLEASE SEE DETAIL SMC FOR SEEDING, MULCHING, AND CRIMPING REQUIREMENTS.

ECB

EROSION CONTROL BLANKET (SLOPE)

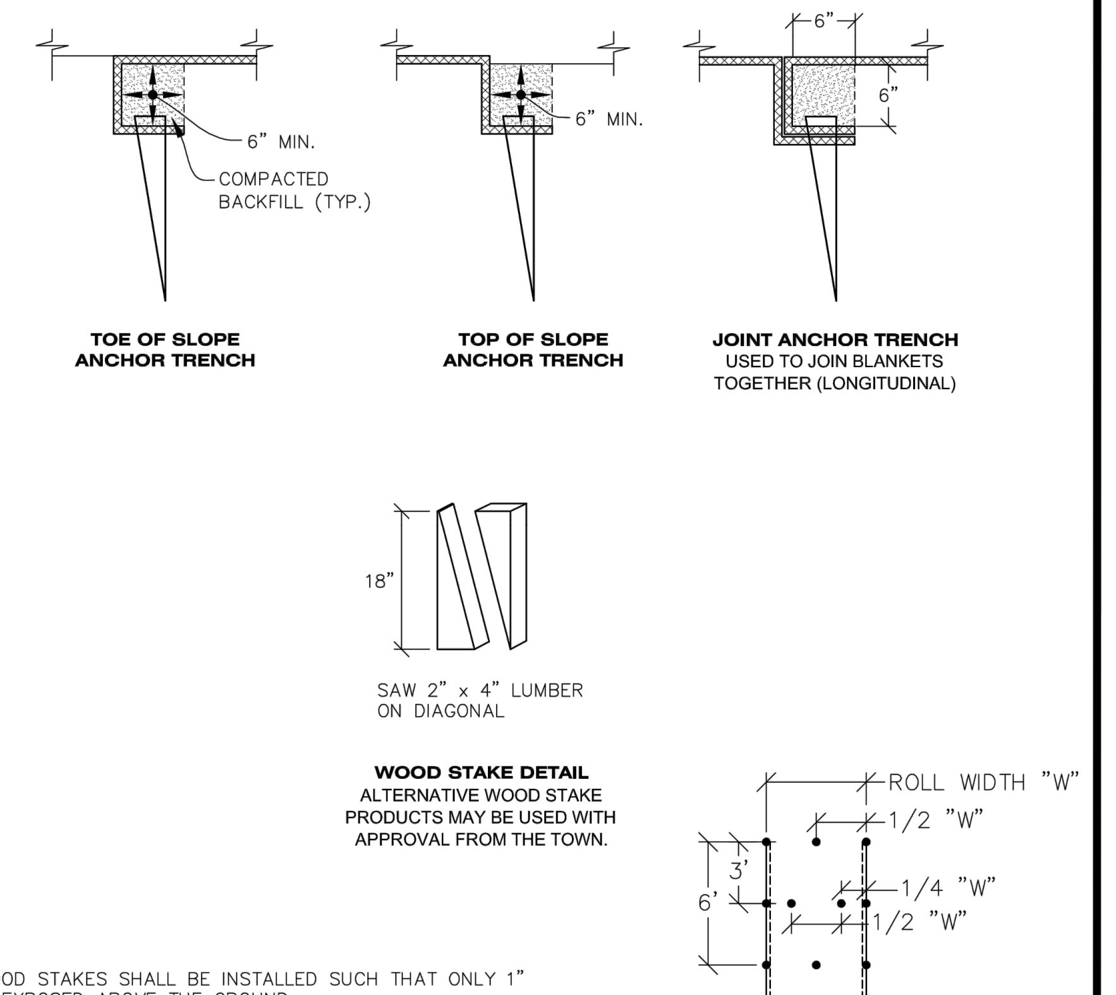
Town of Parker COLORADO

CBMP

CONSTRUCTION BEST MANAGEMENT PRACTICES

ECB
1 OF 3
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.


6" MIN.
COMPACTED BACKFILL (TYP.)
TOE OF SLOPE ANCHOR TRENCH
6" MIN.
TOP OF SLOPE ANCHOR TRENCH
6"
6"
JOINT ANCHOR TRENCH
USED TO JOIN BLANKETS TOGETHER (LONGITUDINAL)
18"
SAW 2" x 4" LUMBER ON DIAGONAL
ROLL WIDTH "W"
1/2 "W"
1/4 "W"
1/2 "W"
3'
6'

WOOD STAKE DETAIL
ALTERNATIVE WOOD STAKE PRODUCTS MAY BE USED WITH APPROVAL FROM THE TOWN.

NOTES:
1. WOOD STAKES SHALL BE INSTALLED SUCH THAT ONLY 1" IS EXPOSED ABOVE THE GROUND.
2. WHEN NECESSARY, ALL SEEDING SHALL BE COMPLETED PRIOR TO THE PLACEMENT OF EROSION CONTROL BLANKETS. PLEASE SEE DETAIL SMC FOR SEEDING, MULCHING, AND CRIMPING REQUIREMENTS.

STAKING PATTERN

NOTE: STAKES SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATION. IF MANUFACTURER INFO IS NOT AVAILABLE THEN ABOVE STAKING PATTERN SHALL BE USED. STAPLES SHALL NOT BE USED FOR EROSION CONTROL BLANKET IN CHANNELS.

ECB

EROSION CONTROL BLANKET (CHANNEL)

Town of Parker COLORADO

CBMP

CONSTRUCTION BEST MANAGEMENT PRACTICES

ECB
2 OF 3
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

EROSION CONTROL BLANKET INSTALLATION NOTES

1. SEE THE PLAN VIEW FOR THE LOCATION(S) OF THE EROSION CONTROL BLANKETS.
2. EROSION CONTROL BLANKETS USED FOR CHANNEL PROTECTION SHALL BE PROPERLY SELECTED BY THE DESIGN ENGINEER BASED ON CURRENT AND FUTURE FLOW RATES WITHIN THE CHANNEL. BASED ON THESE CALCULATIONS, TURF REINFORCEMENT MATTING OR RIPRAP MAY BE NECESSARY IN LIEU OF EROSION CONTROL BLANKETS.
3. IMMEDIATELY PRIOR TO BLANKET INSTALLATION, SOIL SURFACE SHALL BE SMOOTH. AND FREE OF ANY GAPS, VOIDS, WEEDS, ROCKS, STICKS, OR OTHER MISCELLANEOUS DEBRIS.
4. EROSION CONTROL BLANKET SHALL THEN BE INSTALLED ACCORDING TO THE DETAILED DRAWINGS.
5. ANY DAMAGED OR REMAINING STAPLES OR STAKES SHALL BE REMOVED FROM THE SITE.
6. ALL EROSION CONTROL BLANKETS FOR SLOPE PROTECTION INSTALLED IN THE TOWN SHALL BE DOUBLE NET, STRAW OR EXCELSIOR.

MANUFACTURER	PRODUCT NAME
NORTH AMERICAN GREEN	S150
APPROVED EQUAL	APPROVED EQUAL

7. IN MOST CASES, EROSION CONTROL BLANKETS FOR SLOPE PROTECTION ARE TO REMAIN IN PLACE PERMANENTLY.

EROSION CONTROL BLANKET MAINTENANCE NOTES

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE EROSION CONTROL BLANKETS AND MAKE ANY NECESSARY REPAIRS.

Town of Parker COLORADO

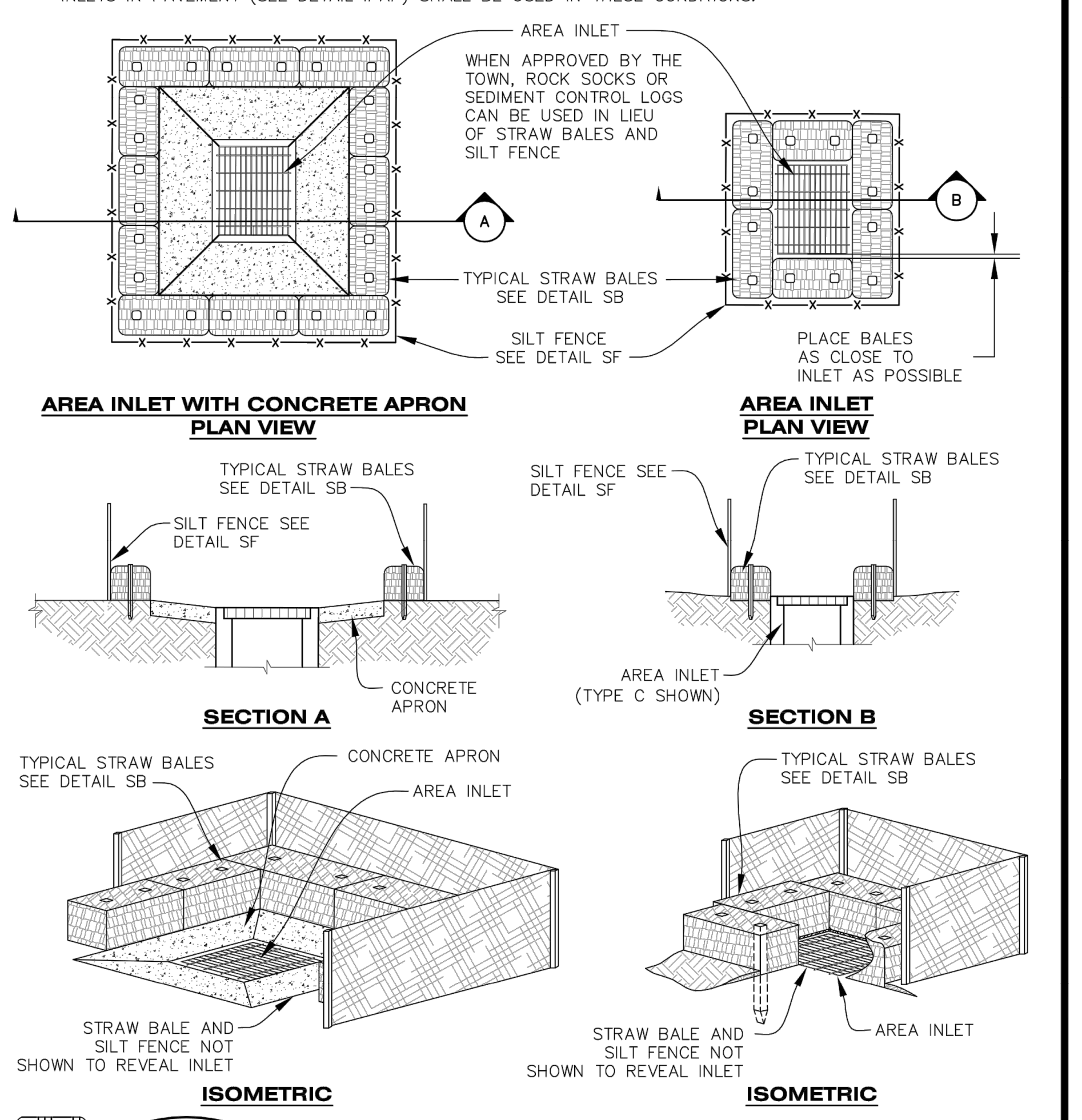
CBMP

CONSTRUCTION BEST MANAGEMENT PRACTICES

ECB
3 OF 3
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

THIS METHOD OF INLET PROTECTION SHALL NOT BE USED ON INLETS RECEIVING SIGNIFICANT FLOWS, SUCH AS IN CERTAIN SWALES/CHANNELS OR HIGHWAY MEDIANS. INLET PROTECTION FOR AREA INLETS IN PAVEMENT (SEE DETAIL IPAP) SHALL BE USED IN THESE CONDITIONS.


AREA INLET
WHEN APPROVED BY THE TOWN, ROCK SOCKS OR SEDIMENT CONTROL LOGS CAN BE USED IN LIEU OF STRAW BALES AND SILT FENCE
A
B
TYPICAL STRAW BALES SEE DETAIL SB
SILT FENCE SEE DETAIL SF
PLACE BALES AS CLOSE TO INLET AS POSSIBLE
AREA INLET WITH CONCRETE APRON PLAN VIEW
AREA INLET PLAN VIEW
TYPICAL STRAW BALES SEE DETAIL SB
SILT FENCE SEE DETAIL SF
CONCRETE APRON
SECTION A
SILT FENCE SEE DETAIL SF
TYPICAL STRAW BALES SEE DETAIL SB
AREA INLET (TYPE C SHOWN)
SECTION B
TYPICAL STRAW BALES SEE DETAIL SB
CONCRETE APRON
AREA INLET
STRAW BALE AND SILT FENCE NOT SHOWN TO REVEAL INLET
ISOMETRIC
TYPICAL STRAW BALES SEE DETAIL SB
STRAW BALE AND SILT FENCE NOT SHOWN TO REVEAL INLET
AREA INLET
ISOMETRIC

IPAN

INLET PROTECTION FOR AREA INLETS NOT IN PAVEMENT

Town of Parker COLORADO

CBMP

CONSTRUCTION BEST MANAGEMENT PRACTICES

IPAN
1 OF 1
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

AREA INLET PROTECTION INSTALLATION NOTES

1. SEE PLAN VIEW FOR LOCATION(S) OF AREA INLET PROTECTION.
2. THE AREA INLET PROTECTION SHOWN ON CBMP PLANS SHALL BE INSTALLED ON EXISTING INLETS PRIOR TO ANY LAND DISTURBING ACTIVITIES OR IMMEDIATELY AFTER THE INSTALLATION OF NEW INLETS. AN INTERIM STYLE OF INLET PROTECTION MAY BE ALLOWED UNTIL THE INSTALLATION OF THE GUTTER AND/OR PAVEMENT.

AREA INLET PROTECTION INSPECTION AND MAINTENANCE NOTES

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE AREA INLET PROTECTION.
2. AREA INLET PROTECTION SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.
3. WHEN THE AREA INLET PROTECTION IS REMOVED, ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE AREA INLET PROTECTION MAY NEED TO BE ROUGHENED, SEEDED, MULCHED, AND CRIMPED PER THE TOWN'S SPECIFICATIONS (SEE DETAIL SMC).
4. ACCUMULATED SEDIMENT SHALL BE REMOVED AS SOON AS POSSIBLE, IMMEDIATELY IN MOST CASES.

Town of Parker COLORADO

CBMP

CONSTRUCTION BEST MANAGEMENT PRACTICES

IPA
1 OF 1
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

INLET PROTECTION, CURB ON-GRADE INSTALLATION NOTES

1. SEE CBMP PLAN FOR LOCATION(S) OF ON–GRADE INLET PROTECTION.
2. CRUSHED ROCK SHALL BE 2.0"–3.0" IN SIZE WITH A FRACTURED FACE (ALL SIDES).
3. ROCK SOCK FOR ON–GRADE INLET PROTECTION SHALL BE ONE CONTINUOUS PIECE.
4. ROCK SOCK SHALL BE CONSTRUCTED USING CHICKEN WIRE OR OTHER APPROVED MATERIAL, SIZED TO KEEP ROCK FROM SPILLING OUT.
5. ROCK SOCK SHALL BE PLACED 5.0' UPHILL OF THE INLET OPENING.
6. TUBULAR MARKER SHALL BE A MINIMUM OF 3.0' HIGH WITH REFLECTIVE BANDS AND OCTAGON SHAPED BASES.
7. THE CURB INLET PROTECTION SHOWN ON CBMP PLAN SHALL BE INSTALLED ON EXISTING INLETS PRIOR TO ANY LAND DISTURBING ACTIVITIES OR IMMEDIATELY AFTER THE APPLICABLE INSTALLATION OF THE FIRST LIFT OF ASPHALT ON ROADWAYS DRAINING TO THE INLET.

ON-GRADE INLET PROTECTION INSPECTION AND MAINTENANCE NOTES

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE ON–GRADE INLET PROTECTION.
2. ACCUMULATED SEDIMENT SHALL BE REMOVED AS SOON AS POSSIBLE, IMMEDIATELY IN MOST CASES.
3. ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED OR DAMAGED.
4. ON–GRADE INLET PROTECTION SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.

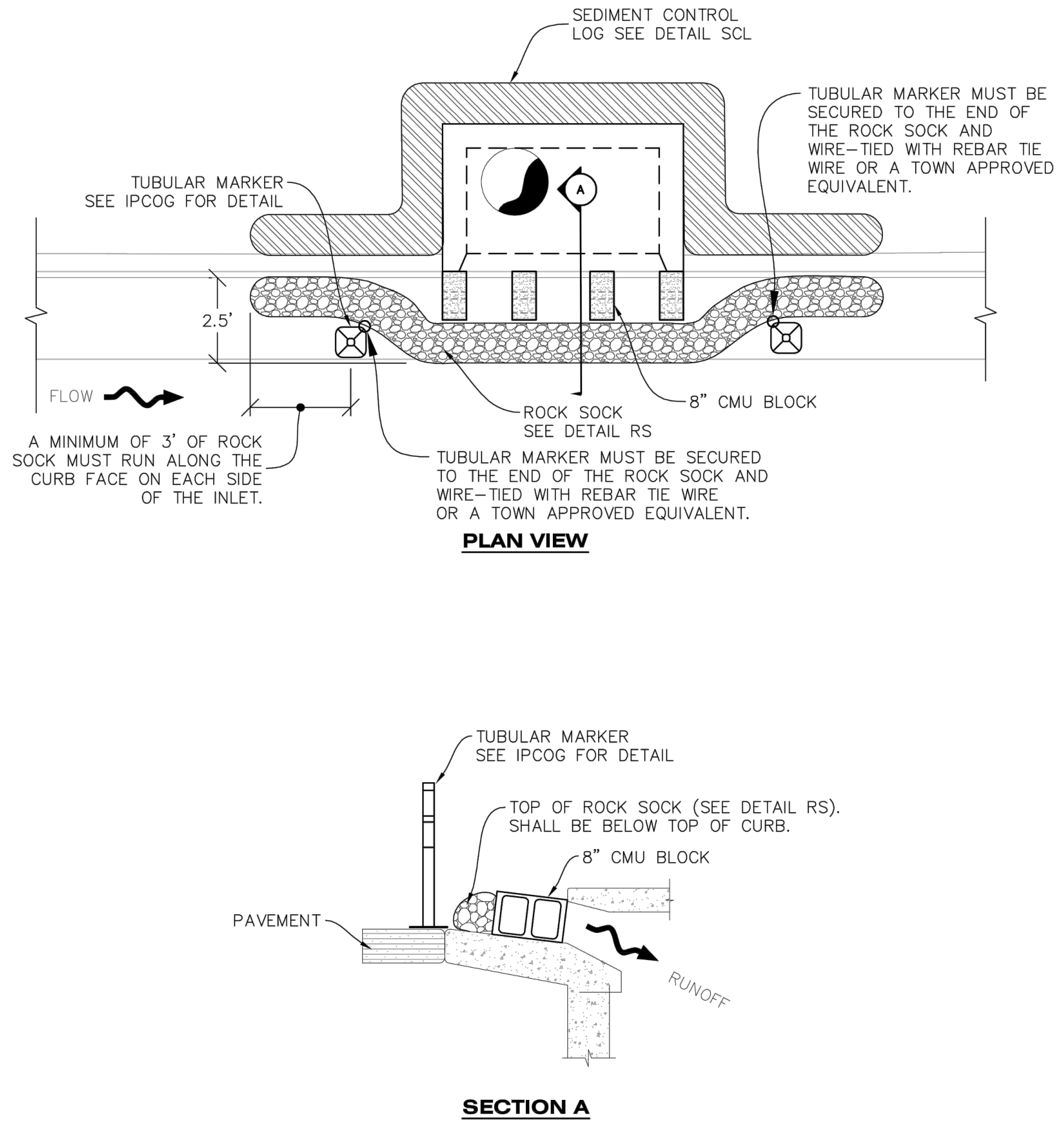
Town of Parker COLORADO

CBMP

CONSTRUCTION BEST MANAGEMENT PRACTICES

IPCOG
3 OF 3
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.


SEDIMENT CONTROL LOG SEE DETAIL SCL
TUBULAR MARKER MUST BE SECURED TO THE END OF THE ROCK SOCK AND WIRE–TIED WITH REBAR TIE WIRE OR A TOWN APPROVED EQUIVALENT.
TUBULAR MARKER SEE IPCOG FOR DETAIL
A
2.5'
FLOW
A MINIMUM OF 3' OF ROCK SOCK MUST RUN ALONG THE CURB FACE ON EACH SIDE OF THE INLET.
ROCK SOCK SEE DETAIL RS
8" CMU BLOCK
TUBULAR MARKER MUST BE SECURED TO THE END OF THE ROCK SOCK AND WIRE–TIED WITH REBAR TIE WIRE OR A TOWN APPROVED EQUIVALENT.
PLAN VIEW
TUBULAR MARKER SEE IPCOG FOR DETAIL
TOP OF ROCK SOCK (SEE DETAIL RS). SHALL BE BELOW TOP OF CURB.
8" CMU BLOCK
PAVEMENT
RUNOFF
SECTION A

IPCOS

INLET PROTECTION, CURB ON SUMP, TYPE R INLET

Town of Parker COLORADO

CBMP

CONSTRUCTION BEST MANAGEMENT PRACTICES

IPCOS
1 OF 2
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

CURB INLET PROTECTION INSTALLATION NOTES

1. SEE CBMP PLAN FOR LOCATION(S) OF CURB INLET PROTECTION.
2. CRUSHED ROCK SHALL BE 2.0"–3.0" IN SIZE WITH A FRACTURED FACE (ALL SIDES).
3. ROCK SOCK SHALL BE ONE CONTINUOUS PIECE OR SHALL BE CONSTRUCTED USING WIRE WRAPPED JOINTS (SEE DETAIL RS).
4. ROCK SOCK SHALL BE CONSTRUCTED USING CHICKEN WIRE OR OTHER APPROVED MATERIAL SIZED TO KEEP ROCK FROM SPILLING OUT.
5. ROCK SOCK SHALL EXTEND 3.0' ALONG THE CURB BEYOND LOCATIONS WHERE IT RETURNS TO CONTACT CURB FACE.
6. TUBULAR TRAFFIC MARKERS SHALL BE A MINIMUM OF 36" IN HEIGHT WITH REFLECTIVE BANDS AND OCTAGON SHAPED BASES.
7. THE CURB INLET PROTECTION SHOWN ON CBMP PLAN SHALL BE INSTALLED ON EXISTING INLETS PRIOR TO ANY LAND DISTURBING ACTIVITIES OR IMMEDIATELY AFTER THE INSTALLATION OF THE FIRST LIFT OF ASPHALT ON ROADWAYS DRAINING TO THE CURB INLET. CMU BLOCKS OR THE ROCK SOCK SHALL BE USED AS INTERIM PROTECTION UNTIL THE FIRST LIFT OF ASPHALT IS INSTALLED.

CURB INLET PROTECTION INSPECTION AND MAINTENANCE NOTES

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE CURB INLET PROTECTION.
2. ACCUMULATED SEDIMENT SHALL BE REMOVED AS SOON AS POSSIBLE, IMMEDIATELY IN MOST CASES.
3. ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED OR DAMAGED.
4. CURB INLET PROTECTION SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.

Town of Parker COLORADO

CBMP

CONSTRUCTION BEST MANAGEMENT PRACTICES

IPCOS
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Oct. 2013

TOWN OF PARKER APPROVALS

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH THE TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATION. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

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____
TOWN OF PARKER, DIRECTOR OF ENGINEERING/PUBLIC WORKS DATE

ROADWAY & STORM DRAIN PLANS FOR
DOUGLAS 234
FILING, NO. 6
DOUGLAS COUNTY, COLORADO

RICK™
ENGINEERING COMPANY
9801 EAST EASTER AVE
CENTENNIAL, CO 80112
303.537.8020
Tucson - San Diego - Riverside - Orange
Sacramento - San Luis Obispo - Phoenix
rickengineering.com

811 Know what's below. Call before you dig.

REVISIONS:

NO.	DESCRIPTION	DATE:
△	-	-

SCALE: NTS
DATE: 9/14/2020
DRAWN BY: WD
CHECKED BY: JS
JOB NO: D01173–A

CBMP DETAILS 3

PROJECT NO. D01173–A
DRAWING NO. 9
SHEET NO. 9 OF 25 SHEETS

PRELIMINARY
NOT FOR CONSTRUCTION

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

PORTABLE TOILET PROTECTION INSTALLATION NOTES

1. PORTABLE TOILETS SHALL BE PLACED A MINIMUM OF 10.0' BEHIND ALL CURBS, SIDEWALKS, AND OTHER IMPERVIOUS AREAS.
2. ALL PORTABLE TOILETS MUST BE GROUPED TOGETHER.
3. PORTABLE TOILETS SHALL BE SECURELY ANCHORED TO THE GROUND USING U–SHAPED REBAR STAKES.
4. U–SHAPED REBAR STAKES SHALL BE POSITIONED ON AT LEAST 2 OPPOSING (DIGITAL) CORNERS.

PORTABLE TOILET PROTECTION INSPECTION AND MAINTENANCE NOTES

2. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE PORTABLE TOILET PROTECTION.
3. PORTABLE TOILETS SHALL BE SERVICED AT THE NECESSARY INTERVALS TO ELIMINATE THE POSSIBILITY OF OVERFLOW.
4. WHEN THE PORTABLE TOILETS ARE REMOVED, ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE TOILETS MAY NEED TO BE LANDSCAPED OR ROUGHENED, SEEDED, MULCHED, AND CRIMPED PER THE TOWN'S SPECIFICATIONS (SEE DETAIL SMC).
5. PORTABLE TOILETS THAT ARE NOT CONSISTENTLY MAINTAINED IN ACCORDANCE WITH THESE REQUIREMENTS MAY NEED TO BE CLUSTERED TOGETHER, IN ONE CENTRALIZED LOCATION IN ORDER TO INCREASE COMPLIANCE AND REDUCE THE CHANCE OF A SPILL.

Town of Parker COLORADO | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | PTP 2 OF 2 Oct. 2013

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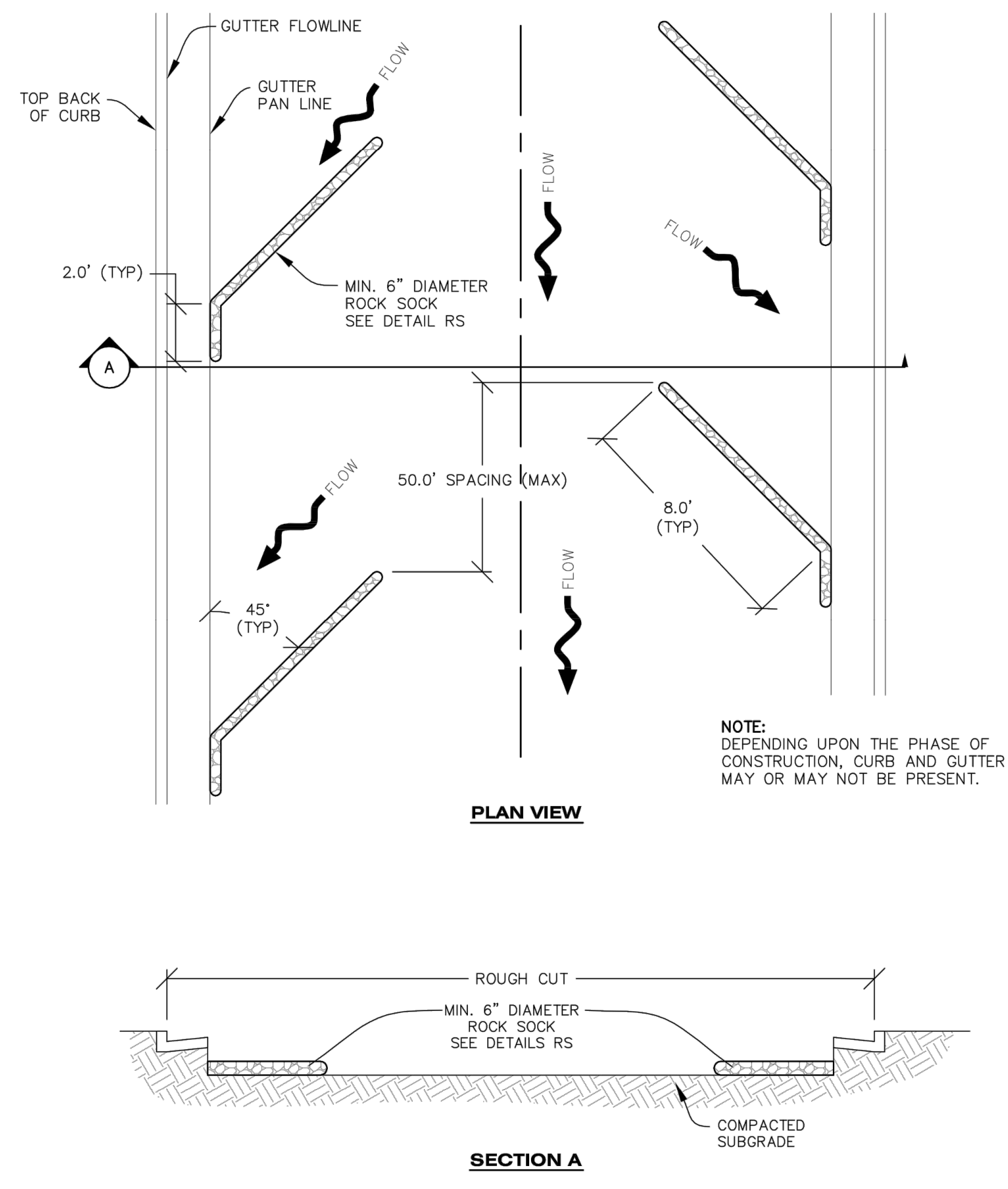
GUTTER FLOWLINE
TOP BACK OF CURB
GUTTER PAN LINE
FLOW
2.0' (TYP)
MIN. 6" DIAMETER ROCK SOCK SEE DETAIL RS
A
50.0' SPACING (MAX)
8.0' (TYP)
45° (TYP)
ROUGH CUT
MIN. 6" DIAMETER ROCK SOCK SEE DETAILS RS
COMPACTED SUBGRADE

NOTE:
DEPENDING UPON THE PHASE OF CONSTRUCTION, CURB AND GUTTER MAY OR MAY NOT BE PRESENT.

PLAN VIEW

SECTION A

RCSC **ROUGH CUT STREET CONTROL**

Town of Parker COLORADO | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | RCSC 1 OF 2 Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

ROUGH CUT STREET CONTROL INSTALLATION NOTES

1. SEE CBMP PLAN FOR LOCATION(S) OF ROUGH CUT STREET CONTROL.
2. THE SPACING OF THE ROUGH CUT STREET CONTROL MAY BE DETERMINED BY THE DESIGN ENGINEER AND SHOWN ON THE CBMP PLAN.

ROUGH CUT STREET CONTROL INSPECTION AND MAINTENANCE NOTES

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE ROUGH CUT STREET CONTROL.
2. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT DEPTH IS 1/2 THE HEIGHT OF THE ROCK SOCK.
3. ROUGH CUT STREET CONTROL SHALL BE REPAIRED IMMEDIATELY FOLLOWING ANY SIGN OF WEAR OR ALTERATION OF THE ORIGINAL SHAPE AND DIMENSIONS.
4. ROUGH CUT STREET CONTROL SHALL BE KEPT IN PLACE AND MAINTAINED UNTIL SUB–GRADE PREPARATION BEGINS FOR PAVING. AT THAT POINT, THE RCSC SHOULD BE REMOVED IN INCREMENTS BASED ON SUBGRADE PREPARATION.

Town of Parker COLORADO | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | RCSC 2 OF 2 Oct. 2013

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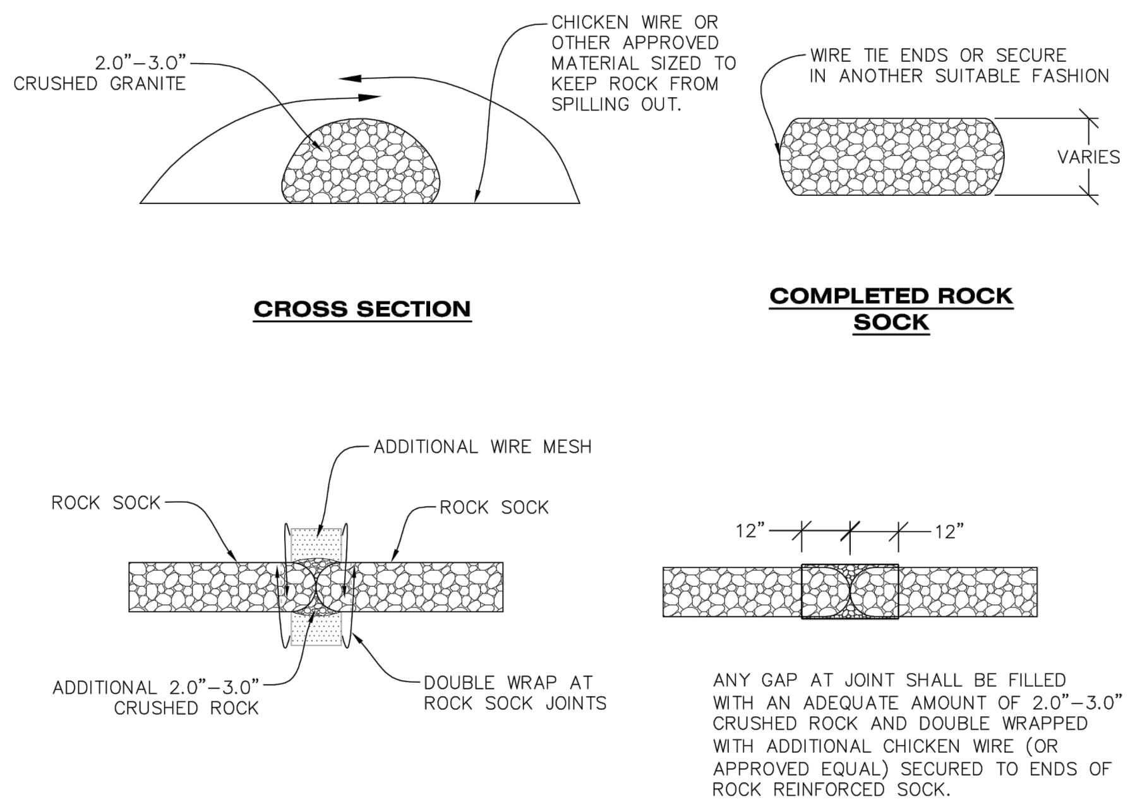
2.0"–3.0" CRUSHED GRANITE
CHICKEN WIRE OR OTHER APPROVED MATERIAL SIZED TO KEEP ROCK FROM SPILLING OUT.
WIRE TIE ENDS OR SECURE IN ANOTHER SUITABLE FASHION
VARIES
ADDITIONAL WIRE MESH
ROCK SOCK
ROCK SOCK
ADDITIONAL 2.0"–3.0" CRUSHED ROCK
DOUBLE WRAP AT ROCK SOCK JOINTS
12"
12"

CROSS SECTION

COMPLETED ROCK SOCK

ANY GAP AT JOINT SHALL BE FILLED WITH AN ADEQUATE AMOUNT OF 2.0"–3.0" CRUSHED ROCK AND DOUBLE WRAPPED WITH ADDITIONAL CHICKEN WIRE (OR APPROVED EQUAL) SECURED TO ENDS OF ROCK REINFORCED SOCK.

JOINT PLAN VIEW

JOINT ELEVATION

RS **ROCK SOCK**

Town of Parker COLORADO | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | RS 1 OF 2 Oct. 2013

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EROSION CONTROL BLANKET FOR LOT PROTECTION INSTALLATION NOTES

1. ALL EROSION CONTROL BLANKETS FOR LOT PROTECTION INSTALLED IN THE TOWN SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS:

MANUFACTURER	PRODUCT NAME
NORTH AMERICAN GREEN	S150 BN
APPROVED EQUAL	APPROVED EQUAL

2. ALL EROSION CONTROL BLANKETS FOR LOT PROTECTION SHALL BE INSTALLED ACCORDING TO THE DETAIL DRAWINGS, WITH THE FOLLOWING ALLOWANCES AND ADDITIONS:
   - THE TOWN WILL ALLOW THE USE OF BIODEGRADABLE, EROSION CONTROL BLANKET–SPECIFIC STAPLES, IN LIEU OF TRADITIONAL METAL STAPLES.
   - ALL EROSION CONTROL BLANKET EDGES (SIDES AND ENDS) MUST OVERLAP THE ADJACENT BLANKET BY A MINIMUM OF 6–INCHES WITH THE UP–GRADIENT EDGES BEING PLACED ON TOP OF THE DOWN–GRADIENT EDGE OF THE ADJACENT BLANKET.
   - THE EDGES (SIDES AND ENDS) OF THE EROSION CONTROL BLANKETS DO NOT NEED TO BE TRENCHED INTO THE GROUND ASSUMING THE SITE CONDITIONS WILL NOT CAUSE EROSION BENEATH THE BLANKETS. THESE ASSUMPTIONS WILL BE THE RESPONSIBILITY OF THE EROSION CONTROL SUPERVISOR. ON OCCASION, THE TOWN'S INSPECTOR MAY REQUEST TRENCHING BASED UPON SITE CONDITIONS.
   - TOPSOIL PLACEMENT, SEEDING, AND MULCHING WILL NOT BE REQUIRED ON THE LOTS PRIOR TO THE INSTALLATION OF THE EROSION CONTROL BLANKET.
3. ANY DAMAGED OR EXCESS STAPLES SHALL BE REMOVED FROM THE SITE FOLLOWING INSTALLATION.
4. THE EROSION CONTROL BLANKETING REQUIRED AS PART OF THE LOT PROTECTION (LP) REQUIREMENT MUST BE INSTALLED OVER ALL UN–LANDSCAPED AREAS WITHIN EACH RESIDENTIAL, MULTI–FAMILY, AND COMMERCIAL LOT PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY / TEMPORARY CERTIFICATE OF OCCUPANCY.

EROSION CONTROL BLANKET FOR LOT PROTECTION MAINTENANCE NOTES

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE EROSION CONTROL BLANKET FOR LOT PROTECTION.
2. EROSION CONTROL BLANKETS FOR LOT PROTECTION ARE INTENDED TO REMAIN IN PLACE AND MAINTAINED UNTIL LANDSCAPING IS INSTALLED.

Town of Parker COLORADO | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | LP 2 OF 2 Oct. 2013

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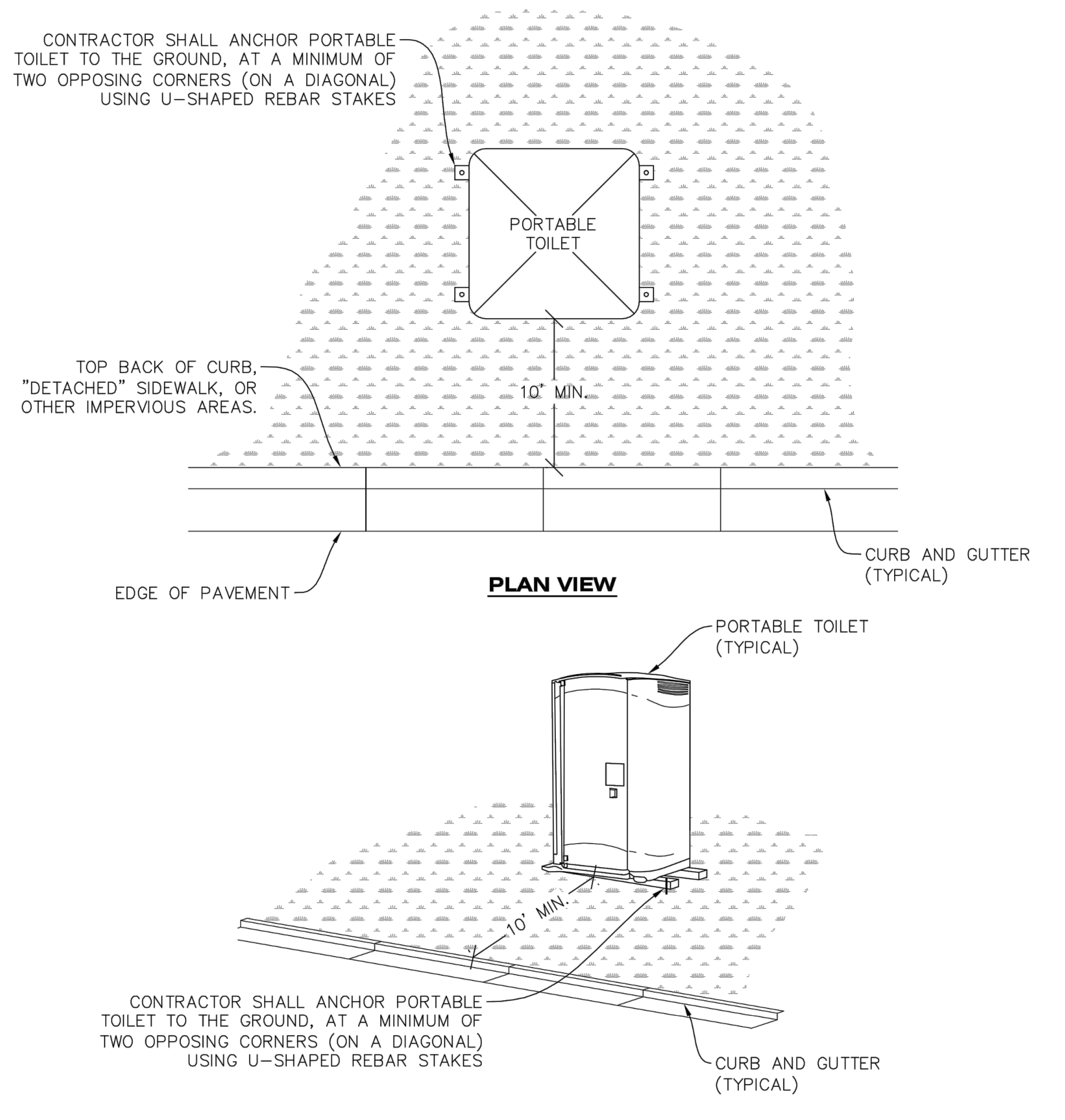
CONTRACTOR SHALL ANCHOR PORTABLE TOILET TO THE GROUND, AT A MINIMUM OF TWO OPPOSING CORNERS (ON A DIAGONAL) USING U–SHAPED REBAR STAKES
PORTABLE TOILET
TOP BACK OF CURB, "DETACHED" SIDEWALK, OR OTHER IMPERVIOUS AREAS.
10' MIN.
EDGE OF PAVEMENT
CURB AND GUTTER (TYPICAL)
PORTABLE TOILET (TYPICAL)
10' MIN.
CONTRACTOR SHALL ANCHOR PORTABLE TOILET TO THE GROUND, AT A MINIMUM OF TWO OPPOSING CORNERS (ON A DIAGONAL) USING U–SHAPED REBAR STAKES
CURB AND GUTTER (TYPICAL)

PLAN VIEW

ISOMETRIC

PTP **PORTABLE TOILET PROTECTION**

Town of Parker COLORADO | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | PTP 1 OF 2 Oct. 2013

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ROCK SOCK INSTALLATION NOTES

1. SEE CBMP PLAN FOR LOCATION(S) OF ROCK SOCK.
2. CRUSHED ROCK SHALL BE APPROXIMATELY 2.0"–3.0" GRANITE IN SIZE WITH A FRACTURED FACE (ALL SIDES).
3. ROCK SOCK SHALL BE APPROXIMATELY ONE CONTINUOUS PIECE OR SHALL BE CONSTRUCTED USING WIRE WRAPPED JOINTS (SEE DETAIL RS).
4. ROCK SOCK SHALL BE CONSTRUCTED USING CHICKEN WIRE OR OTHER APPROVED MATERIAL SIZED TO KEEP ROCK FROM SPILLING OUT.
5. MINIMUM ROCK SOCK DIAMETER SHALL VARY BASED ON APPLICATION (7" MIN).
6. TUBULAR MARKERS MAY NEED TO BE USED IN CONJUNCTION WITH ROCKS SOCKS ANYTIME THE ROCK SOCK IS PLACED ON A ROADWAY, SIDEWALK, PARKING LOT OR OTHER LOCATION SUSCEPTIBLE TO VEHICLE OR PEDESTRIAN TRAFFIC. TUBULAR MARKERS SHALL CONFORM TO THE TUBULAR MARKER DETAIL.

ROCK SOCK INSPECTION AND MAINTENANCE NOTES

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE ROCK SOCKS.
2. ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED OR DAMAGED.
3. ROCK SOCKS SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.

Town of Parker COLORADO | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | RS 2 OF 2 Oct. 2013

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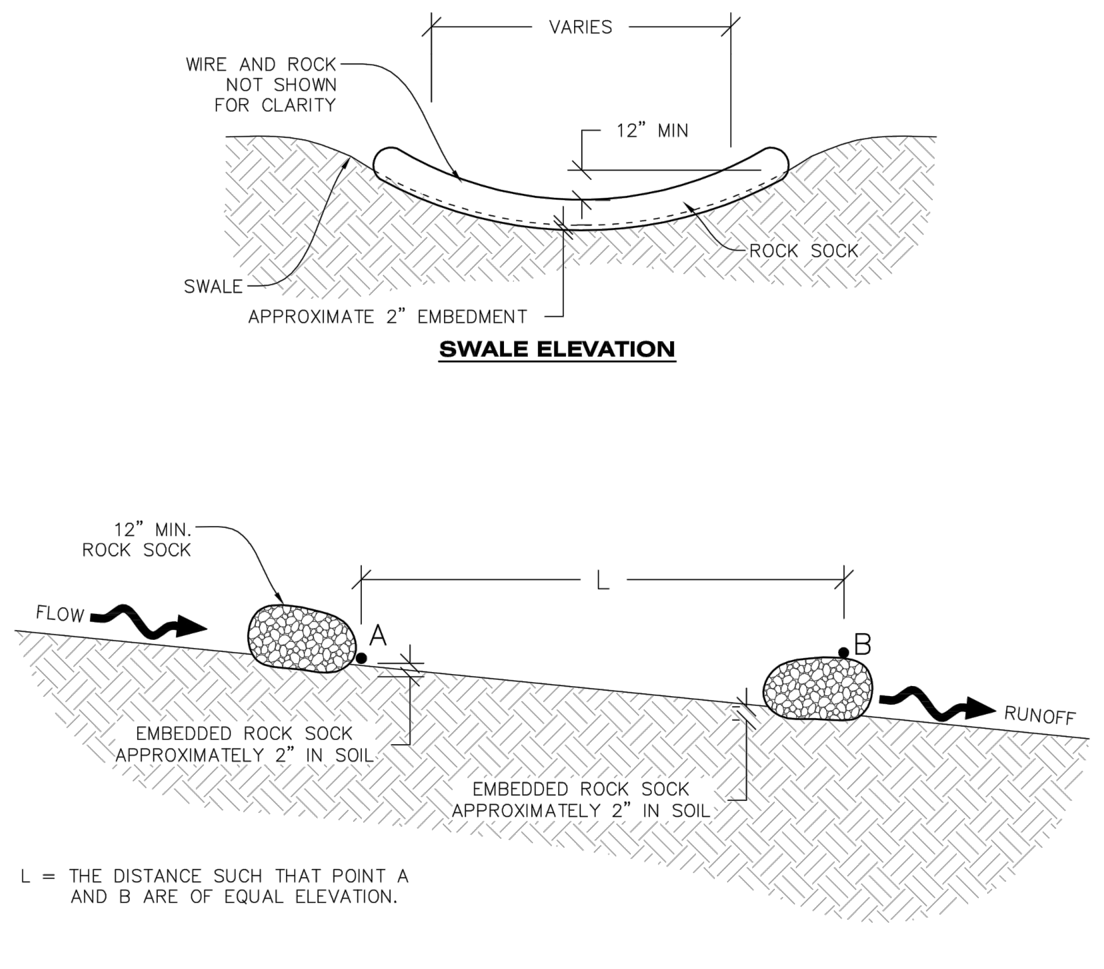
VARIES
WIRE AND ROCK NOT SHOWN FOR CLARITY
12" MIN
ROCK SOCK
SWALE
APPROXIMATE 2" EMBEDMENT
12" MIN. ROCK SOCK
L
FLOW
A
B
RUNOFF
EMBEDDED ROCK SOCK APPROXIMATELY 2" IN SOIL
EMBEDDED ROCK SOCK APPROXIMATELY 2" IN SOIL

SWALE ELEVATION

L = THE DISTANCE SUCH THAT POINT A AND B ARE OF EQUAL ELEVATION.

SWALE SPACING

RSS **ROCK SOCK IN SWALE**

Town of Parker COLORADO | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | RSS 1 OF 1 Oct. 2013

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TOWN OF PARKER, DIRECTOR OF ENGINEERING/PUBLIC WORKS   DATE

ROADWAY & STORM DRAIN PLANS FOR
DOUGLAS 234
FILING, NO. 6
DOUGLAS COUNTY, COLORADO

RICK™
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9801 EAST EASTER AVE
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Tucson - San Diego - Riverside - Orange
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REVISIONS:

NO.	DESCRIPTION	DATE:
△	-	-

SCALE: NTS
DATE: 9/14/2020
DRAWN BY: WD
CHECKED BY: JS
JOB NO: D01173–A

CBMP
DETAILS 4

PROJECT NO. D01173–A
DRAWING NO. 10
SHEET NO. 10 OF 25 SHEETS

PRELIMINARY
NOT FOR CONSTRUCTION

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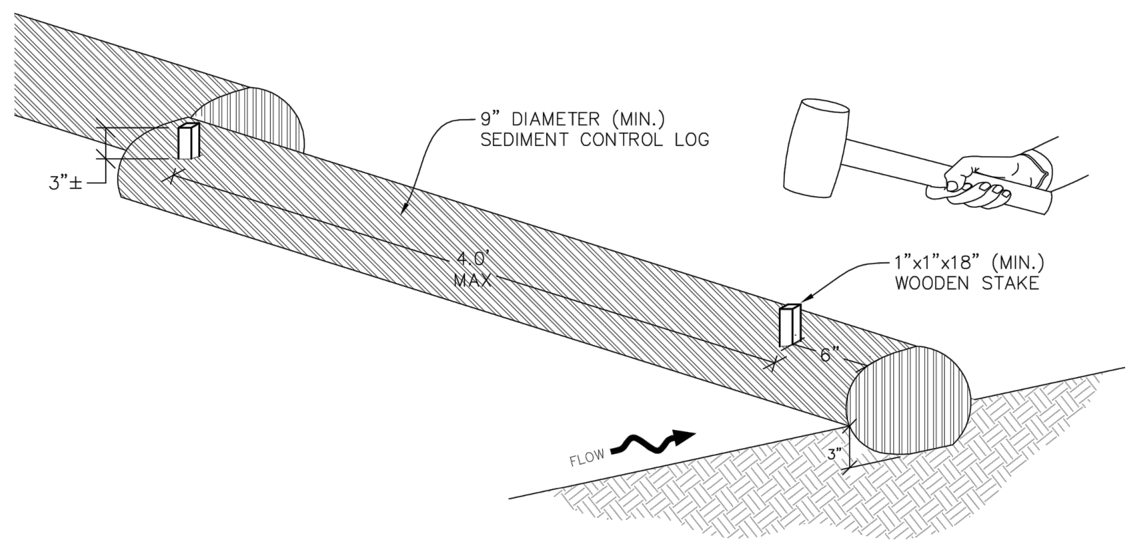
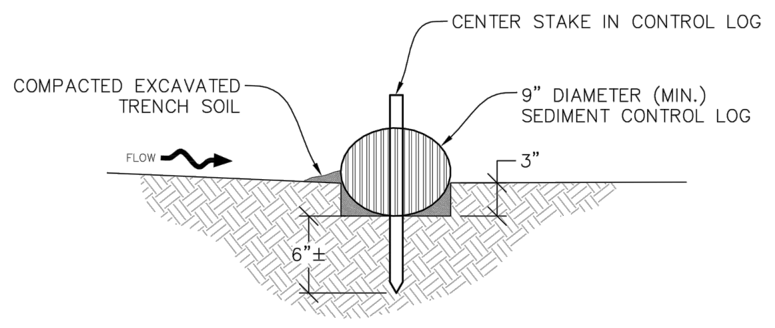

9" DIAMETER (MIN.)
SEDIMENT CONTROL LOG
3"±
4.0' MAX
1"x1"x18" (MIN.)
WOODEN STAKE
6"
3"
FLOW


CENTER STAKE IN CONTROL LOG
COMPACTED EXCAVATED TRENCH SOIL
9" DIAMETER (MIN.)
SEDIMENT CONTROL LOG
FLOW
3"
6"±

SECTION A

▨ (SCL) **SEDIMENT CONTROL LOG**

Town of Parker COLORADO

CBMP

CONSTRUCTION BEST MANAGEMENT PRACTICES

SCL
1 OF 3
Oct. 2013

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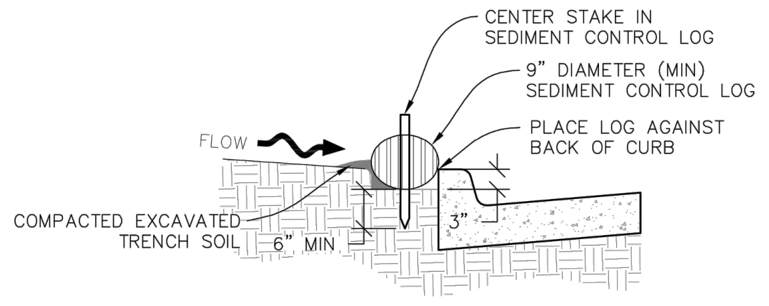
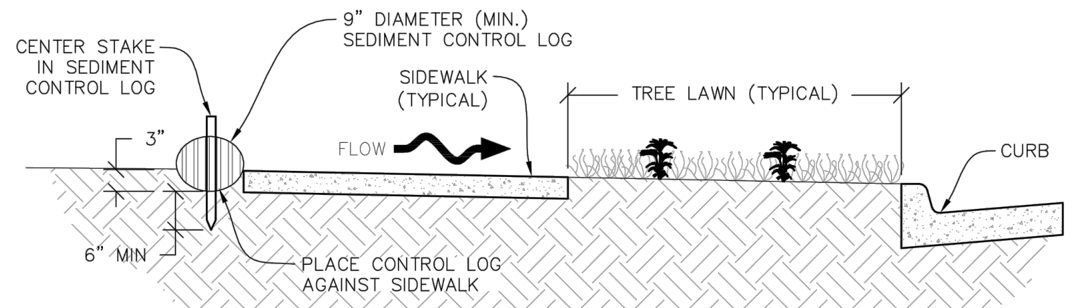
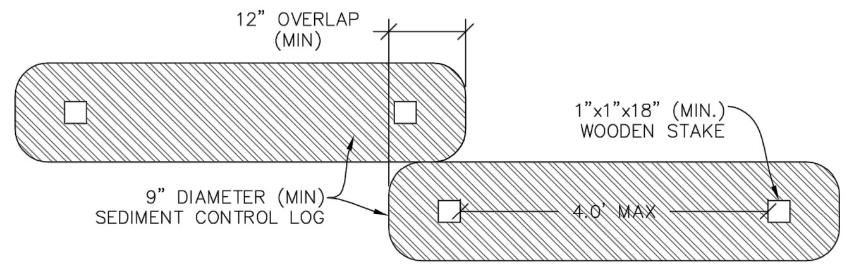

CENTER STAKE IN
SEDIMENT CONTROL LOG
9" DIAMETER (MIN)
SEDIMENT CONTROL LOG
PLACE LOG AGAINST
BACK OF CURB
FLOW
COMPACTED EXCAVATED
TRENCH SOIL
6" MIN
3"

SEDIMENT CONTROL LOG AT BACK OF CURB


9" DIAMETER (MIN.)
SEDIMENT CONTROL LOG
CENTER STAKE
IN SEDIMENT
CONTROL LOG
SIDEWALK
(TYPICAL)
TREE LAWN (TYPICAL)
3"
FLOW
CURB
6" MIN
PLACE CONTROL LOG
AGAINST SIDEWALK

SEDIMENT CONTROL LOG AT SIDEWALK WITH TREE LAWN


12" OVERLAP
(MIN)
1"x1"x18" (MIN.)
WOODEN STAKE
9" DIAMETER (MIN)
SEDIMENT CONTROL LOG
4.0' MAX

SEDIMENT CONTROL LOG JOINTS

▨ (SCL) **SEDIMENT CONTROL LOG**

Town of Parker COLORADO

CBMP

CONSTRUCTION BEST MANAGEMENT PRACTICES

SCL
2 OF 3
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

SEDIMENT CONTROL LOG INSTALLATION NOTES

1. SEE CBMP PLAN FOR LOCATION(S) OF SEDIMENT CONTROL LOGS.
2. ALL SEDIMENT CONTROL LOGS SHALL BE INSTALLED FREE OF DEFECTS INCLUDING RIPS, HOLES AND OBVIOUS WEAR.
3. SEDIMENT CONTROL LOGS SHALL BE INSTALLED IMMEDIATELY ADJACENT TO AN IMPERVIOUS SURFACE SUCH AS A CURB HEAD, SIDEWALK, INLET LID, ETC. NO GAPS SHALL EXIST BETWEEN THE SEDIMENT CONTROL LOG AND THE IMPERVIOUS SURFACE.
4. A UNIFORM 3" DEEP ANCHOR TRENCH (APPROX.) IN THE SHAPE OF A HALF–SPHERE SHALL BE EXCAVATED USING A TRENCHER, SPADE–SHAPED SHOVEL, OR PICK. THE ANCHOR TRENCH SHALL BE SIZED TO ALLOW FOR THE SEDIMENT CONTROL LOG TO SEAT TIGHTLY AGAINST THE ANCHOR TRENCH.
5. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF THE ANCHOR TRENCH AND PROPERLY COMPACTED.
6. ANCHOR TRENCH SHALL BE RELATIVELY FREE OF ROCKS OR OTHER DEBRIS PRIOR TO THE PLACEMENT.
7. All SEDIMENT CONTROL LOGS SHALL BE PLACED 3" (APPROX.) BELOW THE GROUND AND PULLED TIGHT ON BOTH ENDS TO REMOVE ANY CURVES OR SNAGS.
8. THE UPHILL SIDE OF THE SEDIMENT CONTROL LOG SHALL BE BACKFILLED WITH SOIL THAT IS RELATIVELY FREE OF ROCKS AND DEBRIS. THE SOIL SHALL BE TIGHTLY COMPACTED AGAINST THE GROUND AND SEDIMENT CONTROL LOG USING A SHOVEL, OR SIMILAR DEVICE.
9. SEDIMENT CONTROL LOG STAKES SHALL BE MADE OF WOOD AND SECURELY ANCHOR THE SCL IN PLACE.
10. STAKES SHALL BE PLACED ON 4.0' CENTERS AND EMBEDDED APPROXIMATELY 6" INTO THE GROUND. STAKES THAT ARE BROKEN PRIOR TO OR DURING INSTALLATION SHALL BE REPLACED.
11. SEDIMENT CONTROL LOGS SHALL OVERLAP A MINIMUM OF 12". THE OVERLAPPING SHALL OCCUR ON THE UP–GRADIENT SIDE OF THE LOGS.
12. SEDIMENT CONTROL LOGS SHALL BE STAKED WITHIN 6" FROM EACH END.
13. SEDIMENT CONTROL LOGS THAT ARE INSTALLED BEHIND CURBS AND SIDEWALKS MUST BE DONE SO THAT NO MORE THAN A 2" GAP EXISTS BETWEEN THE CONCRETE AND THE LOG. EROSION CONTROL BLANKETING (ECB) BETWEEN THE GAP MAY BE REQUIRED IN INSTANCES WHERE THIS DOES NOT OCCUR.

SEDIMENT CONTROL LOG INSPECTION AND MAINTENANCE NOTES

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE SEDIMENT CONTROL LOGS.
2. ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE THE SEDIMENT HAS REACHED A DEPTH EQUAL TO 1/2 THE HEIGHT OF EXPOSED LOG.
3. SEDIMENT CONTROL LOGS SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.
4. SEDIMENT CONTROL LOGS SHALL BE REPLACED WHEN THERE ARE ANY SIGNS OF WEAR OR DAMAGE THAT WOULD PREVENT THE SCL FROM FUNCTIONING AS DESIGNED.
5. WHEN THE SEDIMENT CONTROL LOGS ARE REMOVED, ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE SEDIMENT CONTROL LOGS MAY NEED TO BE ROUGHENED, SEEDED, MULCHED, AND CRIMPED PER THE TOWN'S SPECIFICATIONS (SEE DETAIL SMC).

Town of Parker COLORADO

CBMP

CONSTRUCTION BEST MANAGEMENT PRACTICES

SCL
3 OF 3
Oct. 2013

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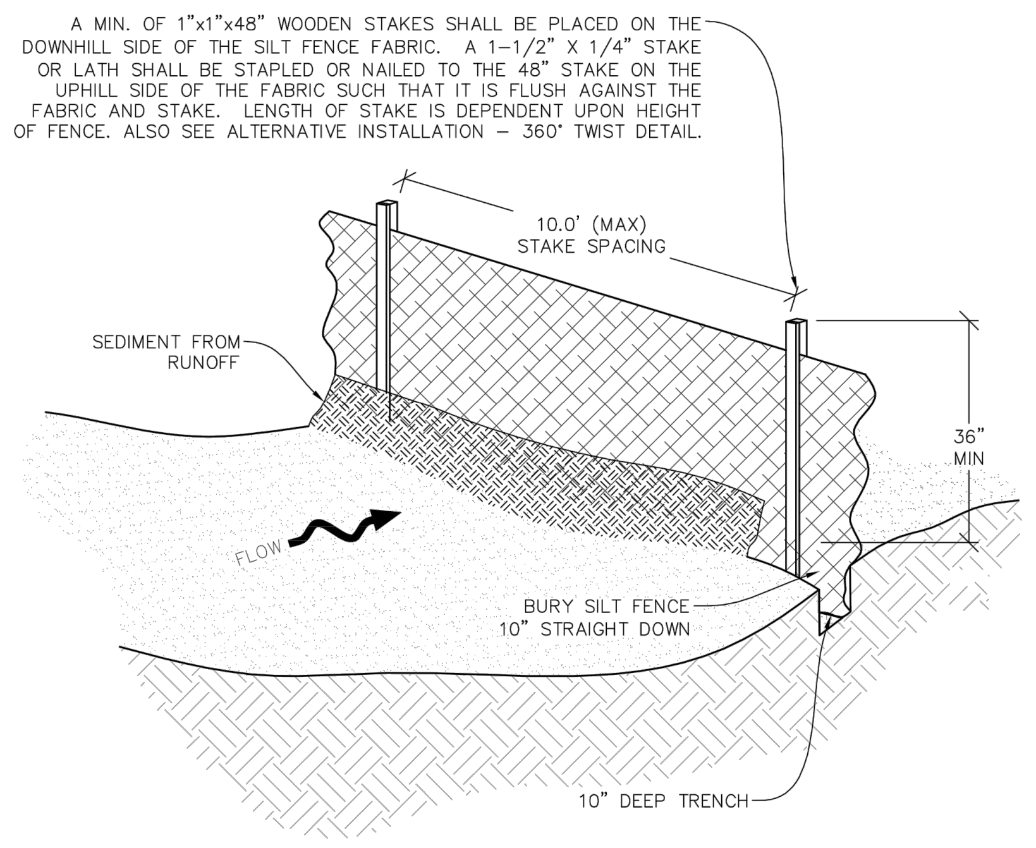
A MIN. OF 1"x1"x48" WOODEN STAKES SHALL BE PLACED ON THE DOWNHILL SIDE OF THE SILT FENCE FABRIC. A 1–1/2" X 1/4" STAKE OR LATH SHALL BE STAPLED OR NAILED TO THE 48" STAKE ON THE UPHILL SIDE OF THE FABRIC SUCH THAT IT IS FLUSH AGAINST THE FABRIC AND STAKE. LENGTH OF STAKE IS DEPENDENT UPON HEIGHT OF FENCE. ALSO SEE ALTERNATIVE INSTALLATION – 360° TWIST DETAIL.
10.0' (MAX)
STAKE SPACING
SEDIMENT FROM
RUNOFF
36"
MIN
FLOW
BURY SILT FENCE
10" STRAIGHT DOWN
10" DEEP TRENCH

—X—X— (SF) **SILT FENCE**

Town of Parker COLORADO

CBMP

CONSTRUCTION BEST MANAGEMENT PRACTICES

SF
1 OF 4
Oct. 2013

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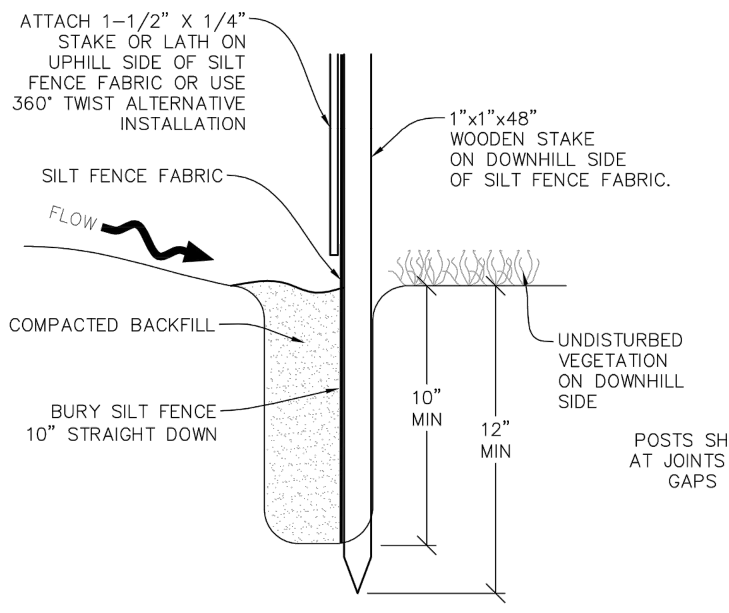
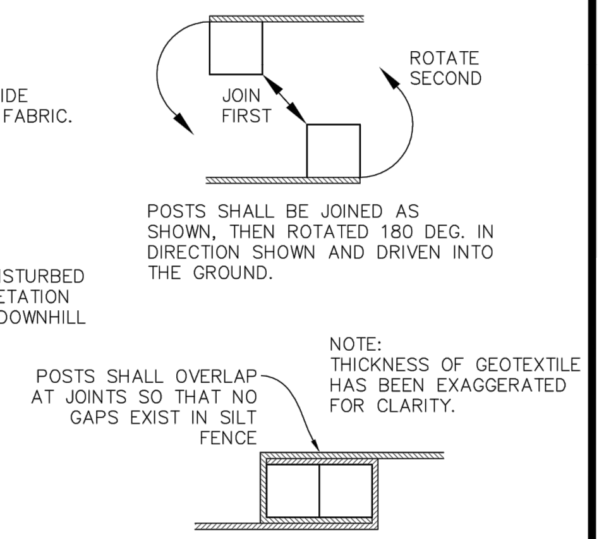
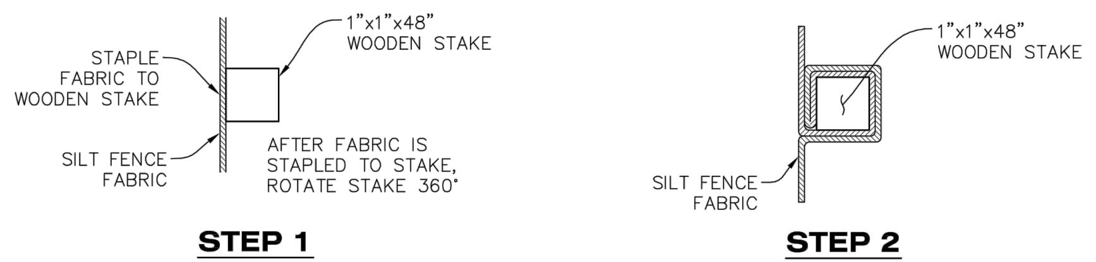

ATTACH 1–1/2" X 1/4"
STAKE OR LATH ON
UPHILL SIDE OF SILT
FENCE FABRIC OR USE
360° TWIST ALTERNATIVE
INSTALLATION
1"x1"x48"
WOODEN STAKE
ON DOWNHILL SIDE
OF SILT FENCE FABRIC.
SILT FENCE FABRIC
FLOW
COMPACTED BACKFILL
UNDISTURBED
VEGETATION
ON DOWNHILL
SIDE
BURY SILT FENCE
10" STRAIGHT DOWN
10" MIN
12" MIN

INSTALLATION DETAIL


JOIN
FIRST
ROTATE
SECOND
POSTS SHALL BE JOINED AS SHOWN, THEN ROTATED 180 DEG. IN DIRECTION SHOWN AND DRIVEN INTO THE GROUND.
POSTS SHALL OVERLAP AT JOINTS SO THAT NO GAPS EXIST IN SILT FENCE
NOTE:
THICKNESS OF GEOTEXTILE HAS BEEN EXAGGERATED FOR CLARITY.

JOINT SECTIONS


STAPLE
FABRIC TO
WOODEN STAKE
1"x1"x48"
WOODEN STAKE
SILT FENCE
FABRIC
AFTER FABRIC IS
STAPLED TO STAKE,
ROTATE STAKE 360°
1"x1"x48"
WOODEN STAKE
SILT FENCE
FABRIC

STEP 1 **STEP 2**

ALTERNATIVE INSTALLATION - 360° TWIST

—X—X— (SF) **SILT FENCE**

Town of Parker COLORADO

CBMP

CONSTRUCTION BEST MANAGEMENT PRACTICES

SF
2 OF 4
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

SILT FENCE INSTALLATION NOTES

1. SEE CBMP PLAN FOR LOCATION(S) OF SILT FENCE.
2. ALL SILT FENCE SHALL BE INSTALLED IN GOOD CONDITION AND FREE OF ANY DEFECTS INCLUDING RIPS, HOLES AND OBVIOUS WEAR.
3. A UNIFORM 10" DEEP ANCHOR TRENCH SHALL BE EXCAVATED USING A TRENCHER.
4. A 10" DEEP ANCHOR SLIT SHALL BE FORMED IF USING A STATIC SLICING METHOD.
5. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF THE ANCHOR TRENCH.
6. ANCHOR TRENCH SHALL BE GENERALLY FREE OF ROCKS OR OTHER DEBRIS PRIOR TO THE PLACEMENT OF THE SILT FENCE.
7. THE ANCHOR TRENCH SHALL BE THOROUGHLY BACKFILLED WITH SOIL THAT IS GENERALLY FREE OF ROCKS AND DEBRIS.
8. ALL EXCAVATED MATERIAL SHALL BE PLACED ON THE UP–GRADIENT SIDE OF THE SILT FENCE.
9. STAKES SHALL BE POSITIONED ON THE DOWNHILL SIDE OF THE SILT FENCE FABRIC AND PLACED ON 10.0' CENTERS OR LESS. STAKES SHALL BE EMBEDDED A MINIMUM OF 12" INTO THE GROUND. A WOODEN LATH SHALL BE ATTACHED TO THE OPPOSING (UPHILL) SIDE OF THE STAKE FOR ADDED STRENGTH AND SUPPORT. THE LATH SHALL HAVE THE FOLLOWING DIMENSIONS: 1"x¼"x24".
10. SILT FENCE SHALL BE PULLED TIGHT AS IT IS ANCHORED TO THE STAKES. THERE SHOULD NOT BE SIGNIFICANT SAGGING ALONG ANY PORTION OF THE SILT FENCE AFTER IT HAS BEEN ANCHORED TO THE STAKES.
11. SILT FENCE FABRIC SHALL BE ANCHORED TO THE STAKES AND LATHS USING STAPLES OR NAILS OF AN APPROXIMATE LENGTH. ENOUGH STAPLES AND NAILS SHOULD BE PLACED ALONG THE LATH TO ENSURE PROPER ATTACHMENT.
12. SILT FENCE FABRIC SHALL MEET THE FOLLOWING MANDATORY REQUIREMENTS:

PROPERTIES	TEST METHOD	MANDATORY REQUIREMENTS
GRAB TENSILE STRENGTH	ASTM D 4632	≥ 124 LBS
MULLEN BURST STRENGTH	ASTM D 3786	≥ 300 PSI
PUNCTURE STRENGTH	ASTM D 4833	≥ 60 LBS
TRAPEZOID TEAR STRENGTH	ASTM D 4533	≥ 65 LBS
UV RESISTANCE	ASTM D 4355	≥ 80% AT 500 HOURS OF UV EXPOSURE
FLOW RATE	ASTM D 4491	≥ 10 GAL/MIN/FT2

13. AN ORIGINAL PRODUCT SPECIFICATION SHEET FROM THE SILT FENCE MANUFACTURER SHALL BE MADE AVAILABLE AT THE REQUEST OF THE TOWN'S INSPECTOR. THE PRODUCT SPECIFICATION SHEET SHALL PROVIDE THE RESULTS FOR THE TEST METHODS ABOVE.
14. SILT FENCE JOINTS SHALL BE CONNECTED ACCORDING TO THE ATTACHED DRAWING.
15. SILT FENCE THAT IS INSTALLED BEHIND CURBS AND SIDEWALKS MUST BE DONE SO THAT NO MORE THAN A 2" GAP EXISTS BETWEEN CONCRETE AND THE SILT FENCE. EROSION CONTROL BLANKETING (ECB) BETWEEN THE GAP MAY BE REQUIRED IN INSTANCES WHERE THIS DOES NOT OCCUR.

Town of Parker COLORADO

CBMP

CONSTRUCTION BEST MANAGEMENT PRACTICES

SF
3 OF 4
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

SILT FENCE INSPECTION AND MAINTENANCE NOTES

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE SILT FENCE.
2. ACCUMULATED SEDIMENT SHALL BE REMOVED REGULARLY.
3. SILT FENCE SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.
4. SILT FENCE SHALL BE REPLACED WHEN THERE ARE ANY SIGNS OF WEAR AND/OR DAMAGE.
5. WHEN THE SILT FENCE IS REMOVED, ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE SILT FENCE MAY NEED TO BE ROUGHENED, SEEDED, MULCHED, AND CRIMPED PER THE TOWN'S SPECIFICATIONS (SEE DETAIL SMC).

Town of Parker COLORADO

CBMP

CONSTRUCTION BEST MANAGEMENT PRACTICES

SF
4 OF 4
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

SEEDING AND MULCHING SHALL BE PERFORMED ACCORDING TO THE ACCOMPANYING DETAIL(S) AND TEXT. NO EXCEPTIONS SHALL BE MADE

1. SEE PLAN VIEW FOR:
   - LOCATION(S) OF SEEDING AND MULCHING
   - TYPE OF SEED MIX
2. SEED MIXES MAY CONFORM TO THE TABLE PROVIDED WITH THE SMC NOTES OR ALTERNATIVES MAY BE ALLOWED WITH PRIOR PERMISSION BY THE TOWN'S INSPECTOR.
3. SEEDING MAY BE PERFORMED YEAR ROUND ASSUMING THE SOIL IS NOT FROZEN. SEEDING DURING TIMES OF EXTREME TEMPERATURES SHOULD BE AVOIDED IF POSSIBLE.
4. AT THE BEGINNING OF THE LAND DISTURBANCE ACTIVITIES, IT IS HIGHLY RECOMMENDED THAT AN APPROPRIATE AMOUNT OF NATIVE TOPSOIL BE STRIPPED FROM THE SITE AND STOCKPILED. ALL AREAS, PRIOR TO PERMANENT SEEDING AND MULCHING, WILL LIKELY NEED TO BE COVERED WITH AN APPROPRIATE LAYER OF TOPSOIL. THIS REQUIREMENT APPLIES TO ALL AREAS WHERE NATIVE SEEDING IS SPECIFIED ON THE CBMP PLAN AND/OR LANDSCAPING PLANS.
5. IT IS STRONGLY RECOMMENDED THAT SAMPLES FROM THE STRIPPED TOPSOIL BE PROPERLY COLLECTED AND TESTED BY A QUALIFIED LABORATORY TO ENSURE ADEQUATE NUTRIENT CONTENT PRIOR TO SEEDING AND MULCHING. IF IT IS DISCOVERED THAT THE TOPSOIL IS VOID OF THE NUTRIENTS NECESSARY TO SUCCESSFULLY ESTABLISH THE REQUIRED VEGETATION, THEN THE APPROPRIATE AMENDMENTS SHALL BE ADDED.
6. ALL AREAS TO BE SEEDED AND MULCHED SHALL BE SURFACE ROUGHENED ACCORDING TO THE SURFACE ROUGHENING DETAILS AND NOTES. SURFACE ROUGHENING SHALL OCCUR AFTER PLACEMENT OF THE TOPSOIL.
7. WHEN INSTALLED WITH A DRILL SEEDER, SEED SHALL BE PLACED AT A DEPTH OF ¼ – ½ INCH. ROW SPACING SHALL BE NO MORE THAN 6–INCHES.
8. ALL AREAS INCAPABLE OF BEING DRILL SEEDED SHALL BE SURFACE ROUGHENED ACCORDING TO THE SURFACE ROUGHENING NOTES OR EFFECTIVELY ROUGHENED USING A HARROW OR OTHER SUCH IMPLEMENT. ALL AREAS SHALL BE UNIFORMLY HAND BROADCASTED WITH THE PROPER SEED MIX APPLIED AT TWO TIMES THE DRILL SEEDED RATE. BROADCASTED AREAS SHALL THEN BE RE–HARROWED OR RE–RAKED USING A HARD–TIPPED RAKE TO ENSURE THAT SEEDS ARE BURIED TO AN APPROXIMATE DEPTH OF ¼ – ½ INCH.
9. AFTER SEEDING HAS BEEN COMPLETED, MULCH SHALL BE UNIFORMLY APPLIED AT A RATE OF 2 TONS/ACRE (4,000 LBS/ACRE). MULCH SHALL BE MECHANICALLY CRIMPED TO A DEPTH OF 2 INCHES USING A CRIMPER. MULCH SHALL BE HAND CRIMPED AND COVERED WITH A TACKIFIER IN AREAS WHERE MECHANICAL CRIMPING IS NOT POSSIBLE. WHEN SOILS PERMIT, ALL MULCH SHALL BE CRIMPED SUCH THAT THE INDIVIDUAL PIECES OF STRAW OR HAY FORM EXAGGERATED V–SHAPES PROTRUDING OUT OF THE GROUND SEVERAL INCHES.
10. IN CERTAIN INSTANCES, IT MAY BE NECESSARY TO APPLY A TACKIFIER IN ORDER TO HELP WITH STRAW DISPLACEMENT. TACKIFIER SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.

Town of Parker COLORADO

CBMP

CONSTRUCTION BEST MANAGEMENT PRACTICES

SMC
1 OF 3
Oct. 2013

TOWN OF PARKER APPROVALS

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH THE TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATION. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

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____
TOWN OF PARKER, DIRECTOR OF ENGINEERING/PUBLIC WORKS DATE

ROADWAY & STORM DRAIN PLANS FOR
DOUGLAS 234
FILING, NO. 6
DOUGLAS COUNTY, COLORADO

RICK
ENGINEERING COMPANY
9801 EAST EASTER AVE
CENTENNIAL, CO 80112
303.537.8020
Tucson - San Diego - Riverside - Orange
Sacramento - San Luis Obispo - Phoenix
rickengineering.com

811 Know what's below. Call before you dig.

REVISIONS:

NO.	DESCRIPTION	DATE:
△	-	-

SCALE: NTS
DATE: 9/14/2020
DRAWN BY: WD
CHECKED BY: JS
JOB NO: D01173–A

CBMP DETAILS 5

PROJECT NO. D01173–A
DRAWING NO. 11
SHEET NO. 11 OF 25 SHEETS

PRELIMINARY
NOT FOR CONSTRUCTION

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

SEEDING AND MULCHING MAINTENANCE NOTES

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE SEEDING AND MULCHING.
2. ANY SEEDED AND MULCHED AREAS THAT BECOME DAMAGED SHALL BE REPAIRED WITHIN THE TIME FRAME SPECIFIED BY THE TOWN'S INSPECTOR.

WEED MANAGEMENT

1. ALL HERBICIDES SHALL BE APPLIED BY COMMERCIAL PESTICIDE APPLICATORS LICENSED BY THE COLORADO DEPARTMENT OF AGRICULTURE AS QUALIFIED APPLICATORS. THE CONTRACTOR SHALL FURNISH DOCUMENTATION OF SUCH LICENSING PRIOR TO HERBICIDE APPLICATION.
2. HERBICIDE APPLICATION METHOD SHALL BE SUCH THAT PLANT GROWTH OUTSIDE THE DESIGNATED TREATMENT AREAS WILL NOT BE DAMAGED. ALL DAMAGE CAUSED BY IMPROPER HERBICIDE APPLICATION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
3. HERBICIDES SHALL BE APPLIED DURING THE APPROPRIATE SEASONS, WHEN TARGET PLANTS ARE ACTIVELY GROWING.
4. AFTER THE GRASS SEED IS ESTABLISHED, APPROPRIATE HERBICIDES SHALL BE APPLIED TO CONTROL THE REMAINING WEEDS TO ENSURE A TIMELY RETURN OF THE FINANCIAL SECURITY. PROPER TIMING OF HERBICIDE APPLICATIONS ARE NECESSARY TO ACHIEVE THE SUPPRESSION OF WEED SEED PRODUCTION AND DEPLETION OF WEED ROOT MASS. ULTIMATELY, THE HERBICIDES USED SHALL BE BASED UPON THE TARGET WEEDS.
5. HERBICIDE TREATMENTS SHALL CONTINUE AT AN APPROPRIATE RATE UNTIL IT IS EVIDENT THAT WEED GROWTH PRESENCE AND GROWTH IS MINIMAL AND MAY BE CONTROLLED THROUGH MOWING AND/OR ANNUAL HERBICIDE TREATMENT.

Town of Parker COLORADO | CBMP | CONSTRUCTION BEST MANAGEMENT PRACTICES | SMC | 2 OF 3 | Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

TOWN OF PARKER, SEED MIX 1
20% CANADA WILDRYE
15% CRESTED WHEATGRASS
15% SLENDER WHEATGRASS
10% ANNUAL RYEGRASS
10% SHEEP FESCUE
10% BIG BLUESTEM
10% SIDEOATS GRAMA
5% CANADA BLUEGRASS
5% BLUE GRAMA

SEEDING RATE:
DRILLED: 25 LBS/ACRE
BROADCAST: 50 LBS/ACRE

TOWN OF PARKER, SEED MIX 2
22% SLENDER WHEATGRASS
18% SODAR STREAMBANK WHEATGRASS
13% ARIZONA FESCUE
13% BLUE GRAMA
12% BUFFALOGRASS
12% BARLEY OR OATS
5% SPIKE MUHLY
5% INDIAN RICEGRASS

SEEDING RATE:
DRILLED: 25 LBS/ACRE
BROADCAST: 50 LBS/ACRE

TOWN OF PARKER, SEED MIX 3 (LOW-GROWTH MIX)
25% EPHRAIM CRESTED WHEATGRASS
23% SHEEP FESCUE
18% PERENNIAL RYEGRASS
13% CANADA BLUEGRASS
12% BARLEY OR OATS
9% BLUE FESCUE

SEEDING RATE:
DRILLED: 25 LBS/ACRE
BROADCAST: 50 LBS/ACRE

SEED MIX 4:
OTHER SEED MIXES APPROVED BY THE TOWN OF PARKER

Town of Parker COLORADO | CBMP | CONSTRUCTION BEST MANAGEMENT PRACTICES | SMC | 3 OF 3 | Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

SEEDING AND MULCHING SHALL BE PERFORMED ACCORDING TO THE ACCOMPANYING DETAIL(S) AND TEXT. NO EXCEPTIONS SHALL BE MADE

1. SEE PLAN VIEW FOR:
   - LOCATION(S) OF SEEDING AND MULCHING
   - TYPE OF SEED MIX
2. SEED MIXES MAY CONFORM TO THE TABLE PROVIDED WITH THE SMC NOTES OR ALTERNATIVES MAY BE ALLOWED WITH PRIOR PERMISSION BY THE TOWN'S INSPECTOR.
3. SEEDING MAY BE PERFORMED YEAR ROUND ASSUMING THE SOIL IS NOT FROZEN. SEEDING DURING TIMES OF EXTREME TEMPERATURES SHOULD BE AVOIDED IF POSSIBLE.
4. AT THE BEGINNING OF THE LAND DISTURBANCE ACTIVITIES, IT IS HIGHLY RECOMMENDED THAT AN APPROPRIATE AMOUNT OF NATIVE TOPSOIL BE STRIPPED FROM THE SITE AND STOCKPILED. ALL AREAS, PRIOR TO PERMANENT SEEDING AND MULCHING, WILL LIKELY NEED TO BE COVERED WITH AN APPROPRIATE LAYER OF TOPSOIL. THIS REQUIREMENT APPLIES TO ALL AREAS WHERE NATIVE SEEDING IS SPECIFIED ON THE CBMP PLAN AND/OR LANDSCAPING PLANS.
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6. ALL AREAS TO BE SEEDED AND MULCHED SHALL BE SURFACE ROUGHENED ACCORDING TO THE SURFACE ROUGHENING DETAILS AND NOTES. SURFACE ROUGHENING SHALL OCCUR AFTER PLACEMENT OF THE TOPSOIL.
7. WHEN INSTALLED WITH A DRILL SEEDER, SEED SHALL BE PLACED AT A DEPTH OF ¼ – ½ INCH. ROW SPACING SHALL BE NO MORE THAN 6–INCHES.
8. ALL AREAS INCAPABLE OF BEING DRILL SEEDED SHALL BE SURFACE ROUGHENED ACCORDING TO THE SURFACE ROUGHENING NOTES OR EFFECTIVELY ROUGHENED USING A HARROW OR OTHER SUCH IMPLEMENT. ALL AREAS SHALL BE UNIFORMLY HAND BROADCASTED WITH THE PROPER SEED MIX APPLIED AT TWO TIMES THE DRILL SEEDED RATE. BROADCASTED AREAS SHALL THEN BE RE–HARROWED OR RE–RAKED USING A HARD–TIPPED RAKE TO ENSURE THAT SEEDS ARE BURIED TO AN APPROXIMATE DEPTH OF ¼ – ½ INCH.
9. AFTER SEEDING HAS BEEN COMPLETED, MULCH SHALL BE UNIFORMLY APPLIED AT A RATE OF 2 TONS/ACRE (4,000 LBS/ACRE). MULCH SHALL BE MECHANICALLY CRIMPED TO A DEPTH OF 2 INCHES USING A CRIMPER. MULCH SHALL BE HAND CRIMPED AND COVERED WITH A TACKIFIER IN AREAS WHERE MECHANICAL CRIMPING IS NOT POSSIBLE. WHEN SOILS PERMIT, ALL MULCH SHALL BE CRIMPED SUCH THAT THE INDIVIDUAL PIECES OF STRAW OR HAY FORM EXAGGERATED V–SHAPES PROTRUDING OUT OF THE GROUND SEVERAL INCHES.
10. IN CERTAIN INSTANCES, IT MAY BE NECESSARY TO APPLY A TACKIFIER IN ORDER TO HELP WITH STRAW DISPLACEMENT. TACKIFIER SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.

Town of Parker COLORADO | CBMP | CONSTRUCTION BEST MANAGEMENT PRACTICES | SMC | 1 OF 3 | Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

SURFACE ROUGHENING INSTALLATION NOTES

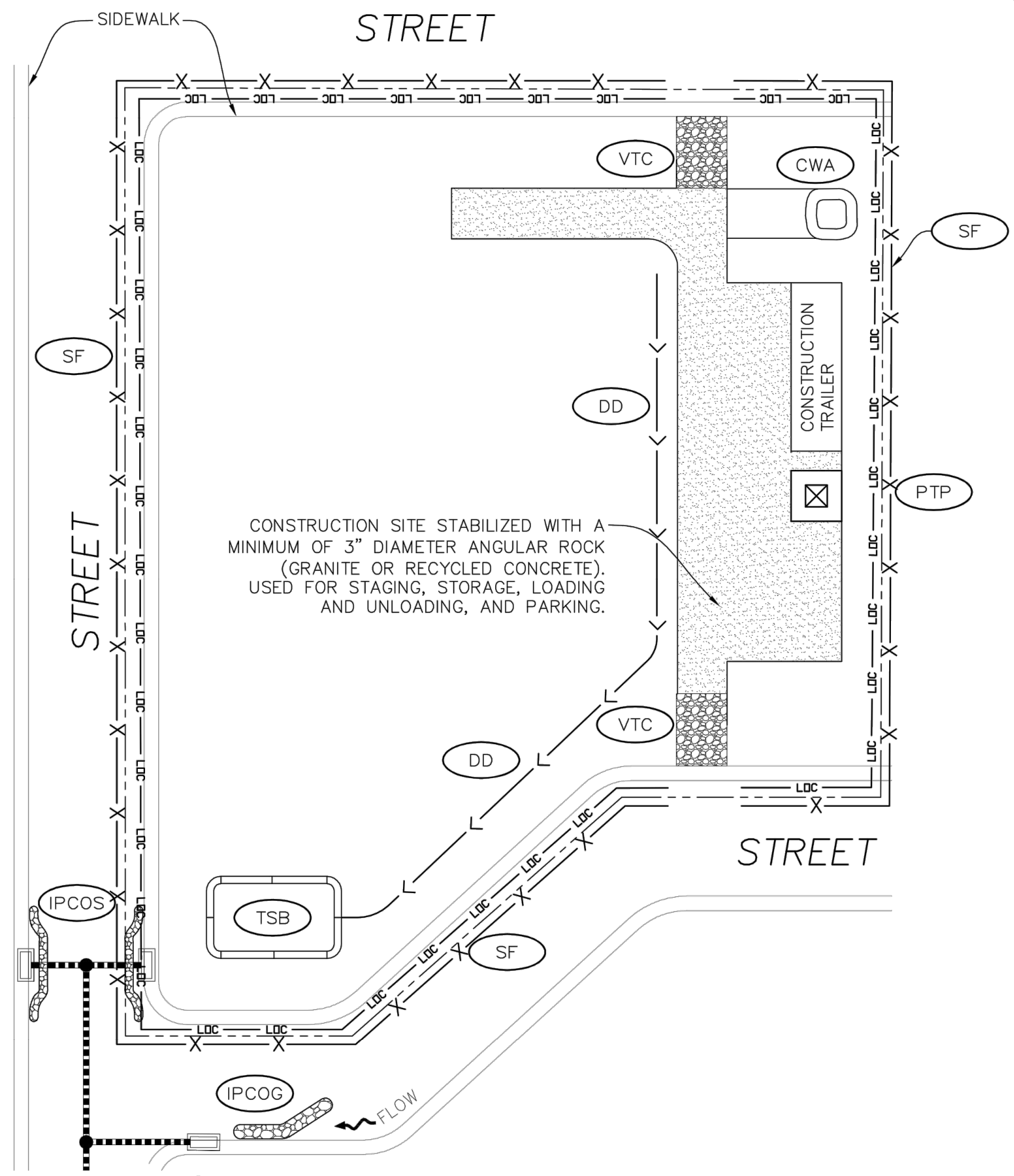
1. SEE CBMP PLAN FOR LOCATION(S) OF SURFACE ROUGHENING.
2. ANY DISTURBED LAND THAT REMAINS INACTIVE FOR MORE THAN 14 CONSECUTIVE DAYS MUST RECEIVE SURFACE ROUGHENING. DETERMINATION OF JOB SITE INACTIVITY IS AT THE DISCRETION OF THE TOWN'S INSPECTOR.
3. SURFACE ROUGHENING SHALL BE PERFORMED PERPENDICULAR TO THE SLOPE.
4. SOIL SHALL BE ROUGHENED A MINIMUM OF 6–INCHES DEEP USING RIGID SHANKS.
5. A FARMING DISC SHALL NOT BE USED FOR SURFACE ROUGHENING.
6. FOR STEEP SLOPES (3:1 OR STEEPER), IT IS ACCEPTABLE TO "TRACK" THE SLOPES, ACCORDING TO THE CBMP DETAILS.

SURFACE ROUGHENING INSPECTION AND MAINTENANCE NOTES

1. THE EROSION CONTROL SUPERVISOR SHALL INSPECT THE SURFACE ROUGHENING AT THE FOLLOWING INTERVALS:
   - IMMEDIATELY FOLLOWING INITIAL INSTALLATION.
   - EVERY 7 DAYS DURING ACTIVE CONSTRUCTION.
   - IMMEDIATELY FOLLOWING ANY STORM EVENT.

Town of Parker COLORADO | CBMP | CONSTRUCTION BEST MANAGEMENT PRACTICES | SR | JUNE 2006

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.



CONSTRUCTION SITE STABILIZED WITH A MINIMUM OF 3" DIAMETER ANGULAR ROCK (GRANITE OR RECYCLED CONCRETE). USED FOR STAGING, STORAGE, LOADING AND UNLOADING, AND PARKING.

STABILIZED STAGING AREA

Town of Parker COLORADO | CBMP | CONSTRUCTION BEST MANAGEMENT PRACTICES | SSA | 1 OF 2 | Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

STABILIZED STAGING AREA INSTALLATION NOTES

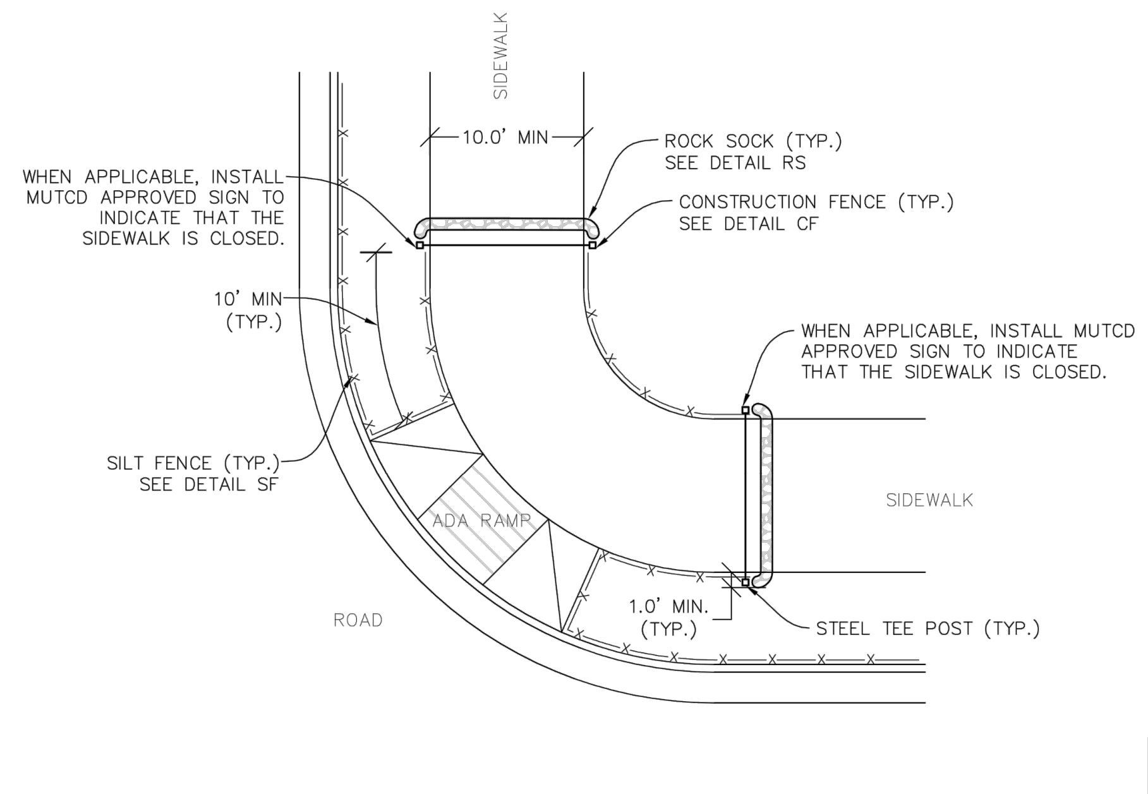
1. SEE CBMP PLAN FOR LOCATION OF STAGING AREA. CONTRACTOR MAY MODIFY LOCATION AND SIZE OF STABILIZED STAGING AREA WITH TOWN APPROVAL.
2. STABILIZED STAGING AREA SHALL BE LARGE ENOUGH TO FULLY CONTAIN PARKING, STORAGE, AND LOADING OPERATIONS.
3. THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM OF 3" DIAMETER OF ANGULAR ROCK (GRANITE OR RECYCLED CONCRETE).
4. SSA FOR SMALLER SITES MAY NOT BE PRACTICAL. IN THESE AND SIMILAR SITUATIONS, VARIANCES MAY BE PERMITTED BY THE TOWN.

STABILIZED STAGING AREA INSPECTION AND MAINTENANCE NOTES

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE STAGING AREA.
2. STABILIZED STAGING AREA SHALL BE ENLARGED AS NECESSARY TO CONTAIN PARKING, STORAGE, LOADING, AND UNLOADING.

Town of Parker COLORADO | CBMP | CONSTRUCTION BEST MANAGEMENT PRACTICES | SSA | 2 OF 2 | Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

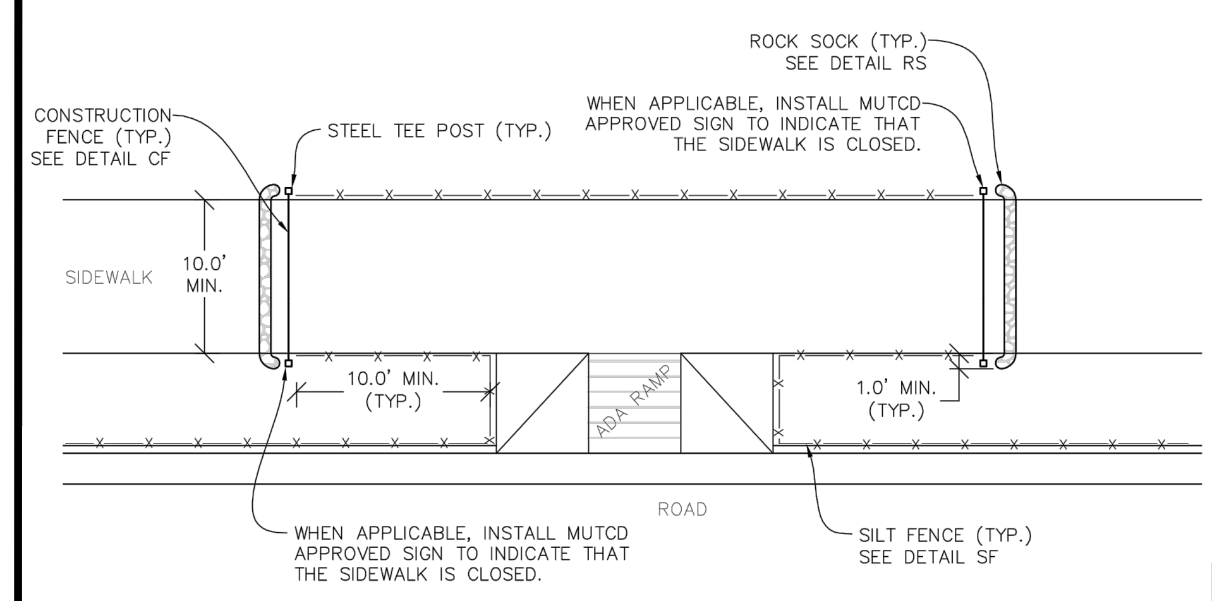

SIDEWALK
10.0' MIN
ROCK SOCK (TYP.)
SEE DETAIL RS
CONSTRUCTION FENCE (TYP.)
SEE DETAIL CF
WHEN APPLICABLE, INSTALL MUTCD APPROVED SIGN TO INDICATE THAT THE SIDEWALK IS CLOSED.
10' MIN
(TYP.)
WHEN APPLICABLE, INSTALL MUTCD APPROVED SIGN TO INDICATE THAT THE SIDEWALK IS CLOSED.
SILT FENCE (TYP.)
SEE DETAIL SF
SIDEWALK
ADA RAMP
ROAD
1.0' MIN.
(TYP.)
STEEL TEE POST (TYP.)

NOTE:
SEDIMENT CONTROL LOGS (SCL) MAY BE USED IN LIEU OF SILT FENCE (SF) WITH PRIOR APPROVAL FROM TOWN.

STP **SIDEWALK TRANSITION PROTECTION (AT INTERSECTION)**

Town of Parker COLORADO | CBMP | CONSTRUCTION BEST MANAGEMENT PRACTICES | STP | 1 OF 3 | Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.


ROCK SOCK (TYP.)
SEE DETAIL RS
CONSTRUCTION FENCE (TYP.)
SEE DETAIL CF
STEEL TEE POST (TYP.)
WHEN APPLICABLE, INSTALL MUTCD APPROVED SIGN TO INDICATE THAT THE SIDEWALK IS CLOSED.
SIDEWALK
10.0' MIN.
10.0' MIN.
(TYP.)
ADA RAMP
1.0' MIN.
(TYP.)
ROAD
WHEN APPLICABLE, INSTALL MUTCD APPROVED SIGN TO INDICATE THAT THE SIDEWALK IS CLOSED.
SILT FENCE (TYP.)
SEE DETAIL SF

NOTE:
SEDIMENT CONTROL LOGS (SCL) MAY BE USED IN LIEU OF SILT FENCE (SF) WITH PRIOR APPROVAL FROM TOWN.

STP **SIDEWALK TRANSITION PROTECTION (ALONG STRAIGHT ROADWAY)**

Town of Parker COLORADO | CBMP | CONSTRUCTION BEST MANAGEMENT PRACTICES | STP | 2 OF 3 | Oct. 2013

TOWN OF PARKER APPROVALS

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____
TOWN OF PARKER, DIRECTOR OF ENGINEERING/PUBLIC WORKS   DATE

ROADWAY & STORM DRAIN PLANS FOR
DOUGLAS 234
FILING, NO. 6
DOUGLAS COUNTY, COLORADO

RICK™
ENGINEERING COMPANY
9801 EAST EASTER AVE
CENTENNIAL, CO 80112
303.537.8020
Tucson - San Diego - Riverside - Orange
Sacramento - San Luis Obispo - Phoenix
rickengineering.com

811 Know what's below. Call before you dig.

REVISIONS:

NO.	DESCRIPTION	DATE:
△	-	-

SCALE: NTS
DATE: 9/14/2020
DRAWN BY: WD
CHECKED BY: JS
JOB NO: D01173–A

CBMP
DETAILS 6

PROJECT NO. D01173–A
DRAWING NO. 12
SHEET NO. 12 OF 25 SHEETS

PRELIMINARY
NOT FOR CONSTRUCTION

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

SIDEWALK TRANSITION PROTECTION INSTALLATION NOTES

1. SEE PLAN VIEW FOR LOCATION(S) OF SIDEWALK TRANSITION PROTECTION.
2. ROCK SOCK SHALL BE CONSTRUCTED ACCORDING TO THE DETAIL (SEE DETAIL RS).
3. SILT FENCE SHALL BE CONSTRUCTED ACCORDING TO THE DETAIL (SEE DETAIL SF).
4. CONSTRUCTION FENCE SHALL BE CONSTRUCTED ACCORDING TO THE DETAIL (SEE DETAIL CF).
5. SEDIMENT CONTROL LOGS MAY BE USED IS LIEU OF SILT FENCE WITH PRIOR APPROVAL FROM THE TOWN.

SIDEWALK TRANSITION PROTECTION INSPECTION & MAINTENANCE NOTES

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE SIDEWALK TRANSITION INSPECTION.

Town of Parker COLORADO | **CBMP** | CONSTRUCTION BEST MANAGEMENT PRACTICES | STP | 3 OF 3 | Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

DEWATERING INSTALLATION NOTES

1. IT IS THE EROSION CONTROL SUPERVISOR'S RESPONSIBILITY TO ENSURE THAT ALL DEWATERING IS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT (CDPHE).

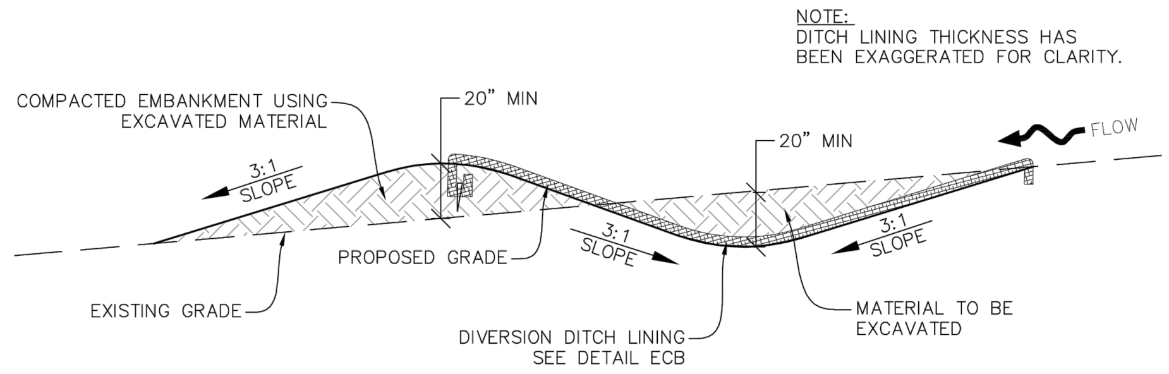
DEWATERING MAINTENANCE NOTES

1. THE EROSION CONTROL SUPERVISOR SHALL INSPECT THE DEWATERING OPERATION TO ENSURE THAT THE DISCHARGE WATER IS DRAINING TO THE PROPER LOCATION(S) AND PERFORM ANY NECESSARY REPAIRS OR MAINTENANCE ON A FREQUENT BASIS.

Town of Parker COLORADO | **CBMP** | CONSTRUCTION BEST MANAGEMENT PRACTICES | D | 2 OF 2 | Oct. 2013

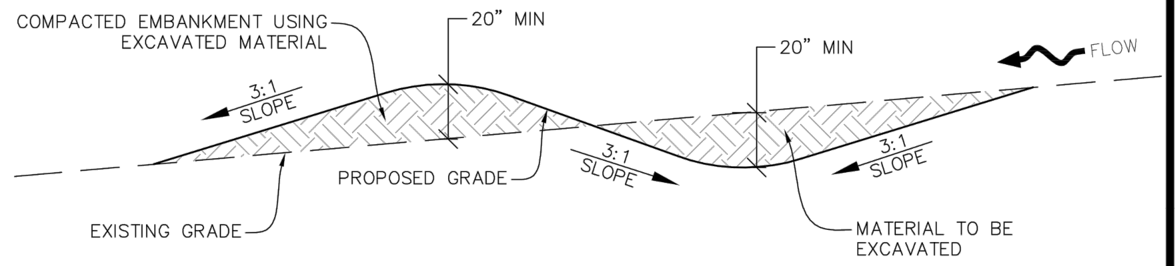
NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

NOTE:
DITCH LINING THICKNESS HAS BEEN EXAGGERATED FOR CLARITY.


COMPACTED EMBANKMENT USING EXCAVATED MATERIAL
20" MIN
20" MIN
FLOW
3:1 SLOPE
3:1 SLOPE
3:1 SLOPE
PROPOSED GRADE
EXISTING GRADE
DIVERSION DITCH LINING SEE DETAIL ECB
MATERIAL TO BE EXCAVATED

DIVISION DITCH GEOMETRY AND REQUIRED LINING MATERIAL SHALL BE OBTAINED FROM ASSOCIATED CBMP PLANS VIA THE DESIGN ENGINEER. IF THIS INFORMATION IS NOT PROVIDED ON THE CBMP PLANS, THE CONTRACTOR SHALL NOTIFY THE TOWN PRIOR TO CONSTRUCTION

DIVERSION DITCH SECTION LINED CHANNEL


COMPACTED EMBANKMENT USING EXCAVATED MATERIAL
20" MIN
20" MIN
FLOW
3:1 SLOPE
3:1 SLOPE
3:1 SLOPE
PROPOSED GRADE
EXISTING GRADE
MATERIAL TO BE EXCAVATED

DIVERSION DITCH SECTION UNLINED CHANNEL

DD **DIVERSION DITCH**

Town of Parker COLORADO | **CBMP** | CONSTRUCTION BEST MANAGEMENT PRACTICES | DD | 1 OF 2 | Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

DIVERSION DITCH INSTALLATION NOTES

1. SEE THE PLAN VIEW FOR THE LOCATION(S) OF THE DIVERSION DITCHES.
2. A PLASTIC LINER, RIPRAP, OR EROSION CONTROL BLANKET MAY BE NECESSARY TO PROTECT THE DIVERSION DITCH. THE REQUIRED LINING MATERIAL SHALL BE OBTAINED FROM THE CBMP PLANS VIA THE DESIGN ENGINEER.
3. ALL MATERIAL EXCAVATED FROM THE DITCH MAY BE USED TO CONSTRUCT THE BERM ON THE DOWNHILL SIDE OF THE DITCH.
4. THE DIVERSION DITCH SHALL BE A MINIMUM OF 20" DEEP WITH APPROX. 3:1 SIDE SLOPES. THE ADJACENT BERM SHALL BE A MINIMUM OF 20" IN HEIGHT WITH APPROX. 3:1 SIDE SLOPES. ALL EMBANKMENTS SHALL BE FIRMLY COMPACTED.
5. THE DISCHARGE FROM THE DIVERSION DITCH SHALL BE DIRECTED TOWARDS AN APPROPRIATELY SIZED TEMPORARY SEDIMENT BASIN OR OTHER APPROVED AREA.

DIVERSION DITCH INSPECTION AND MAINTENANCE NOTES

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE DIVERSION DITCH.
2. ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE THE SEDIMENT HAS REACHED A DEPTH EQUAL TO 1/2 (10") THE CREST HEIGHT.
3. DIVERSION DITCHES SHALL BE RE-GRADED FOLLOWING THE SIGNS OF MODERATE OR MORE SOIL EROSION OR ANY DAMAGE.
4. DIVERSION DITCHES ARE TO REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR. ALTERNATIVELY, THE DIVERSION DITCHES MAY BE REMOVED WHEN THE SITE'S TOPOGRAPHY CHANGES SUCH THAT SIGNIFICANT RUNOFF IS NO LONGER POSSIBLE. IN SOME INSTANCES, THE DIVERSION DITCHES MAY REMAIN IN PLACE PERMANENTLY.

Town of Parker COLORADO | **CBMP** | CONSTRUCTION BEST MANAGEMENT PRACTICES | DD | 2 OF 2 | Oct. 2013

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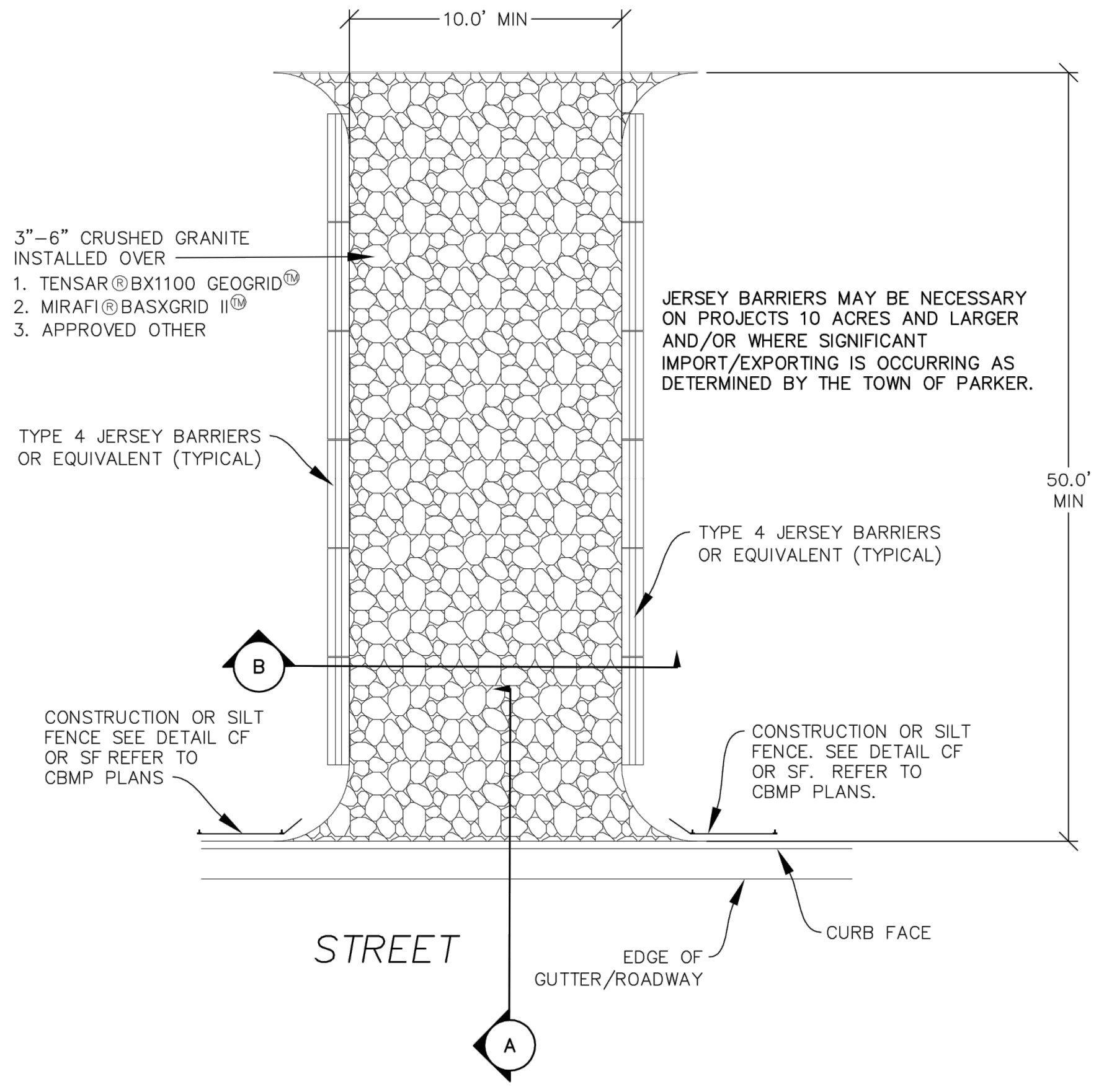
ON SITES LESS THAN 10 ACRES AND WHERE SIGNIFICANT SOIL IMPORTING/EXPORTING IS NOT OCCURRING, CONSTRUCTION FENCE (CF) OR SILT FENCE (SF) MAY BE USED IN LIEU OF THE TYPE 4 JERSEY BARRIERS WITH PRIOR APPROVAL FROM THE TOWN'S INSPECTOR.

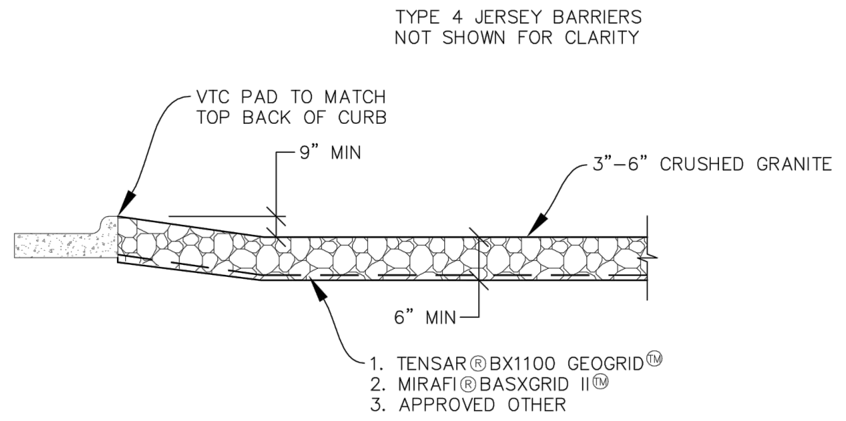

10.0' MIN
50.0' MIN
3"–6" CRUSHED GRANITE INSTALLED OVER
1. TENSAR®BX1100 GEOGRID™
2. MIRAFI®BASXGRID II™
3. APPROVED OTHER
JERSEY BARRIERS MAY BE NECESSARY ON PROJECTS 10 ACRES AND LARGER AND/OR WHERE SIGNIFICANT IMPORT/EXPORTING IS OCCURRING AS DETERMINED BY THE TOWN OF PARKER.
TYPE 4 JERSEY BARRIERS OR EQUIVALENT (TYPICAL)
TYPE 4 JERSEY BARRIERS OR EQUIVALENT (TYPICAL)
B
CONSTRUCTION OR SILT FENCE SEE DETAIL CF OR SF REFER TO CBMP PLANS
CONSTRUCTION OR SILT FENCE. SEE DETAIL CF OR SF. REFER TO CBMP PLANS.
STREET
EDGE OF GUTTER/ROADWAY
CURB FACE
A

VTC **VEHICLE TRACKING CONTROL**

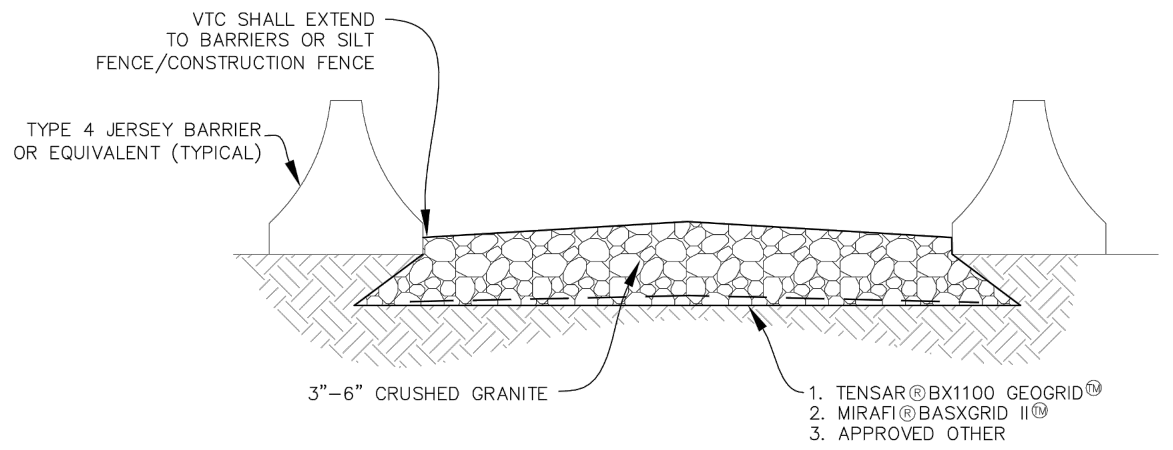
Town of Parker COLORADO | **CBMP** | CONSTRUCTION BEST MANAGEMENT PRACTICES | VTC | 1 OF 3 | Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

TYPE 4 JERSEY BARRIERS NOT SHOWN FOR CLARITY


VTC PAD TO MATCH TOP BACK OF CURB
9" MIN
3"–6" CRUSHED GRANITE
6" MIN
1. TENSAR®BX1100 GEOGRID™
2. MIRAFI®BASXGRID II™
3. APPROVED OTHER

SECTION A


VTC SHALL EXTEND TO BARRIERS OR SILT FENCE/CONSTRUCTION FENCE
TYPE 4 JERSEY BARRIER OR EQUIVALENT (TYPICAL)
3"–6" CRUSHED GRANITE
1. TENSAR®BX1100 GEOGRID™
2. MIRAFI®BASXGRID II™
3. APPROVED OTHER

SECTION B

VTC **VEHICLE TRACKING CONTROL**

Town of Parker COLORADO | **CBMP** | CONSTRUCTION BEST MANAGEMENT PRACTICES | VTC | 2 OF 3 | Oct. 2013

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VEHICLE TRACKING CONTROL PAD INSTALLATION NOTES

1. SEE CBMP PLAN FOR LOCATION(S) OF VEHICLE TRACKING CONTROL PAD(S).
2. ALL CONSTRUCTION TRAFFIC MUST ENTER AND EXIT THE SITE THROUGH THE APPROVED ACCESS POINT(S). A VEHICLE TRACKING CONTROL PAD IS REQUIRED AT ALL APPROVED ACCESS POINTS TO THE SITE. EXCEPTIONS MAY BE CONSIDERED FOR CONSTRUCTION ACTIVITY OCCURRING IMMEDIATELY ADJACENT TO PAVED AREAS AND WHERE ALTERNATIVE BMP'S ARE IMPLEMENTED. SUCH ACTIVITY MAY INCLUDE, BUT NOT BE LIMITED TO RESIDENTIAL CONSTRUCTION, UTILITY CONSTRUCTION, ETC.
3. THE VEHICLE TRACKING CONTROL PAD(S) INDICATED ON CBMP PLAN SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
4. VEHICLE TRACKING CONTROL PADS SHALL BE A MINIMUM OF 50-FEET LONG AND 10-FEET WIDE, UNLESS A VARIANCE HAS BEEN GRANTED BY THE TOWN'S INSPECTOR.
5. A BIAXIAL GEO-GRID SHALL BE PLACED UNDER THE VEHICLE TRACKING CONTROL PAD PRIOR TO THE PLACEMENT OF ROCK. THE AREA SHALL BE FREE FROM ANY VOIDS, ROCKS AND DEBRIS. THE BIAXIAL GEO-GRID SHALL BE TENSAR BX1100, MIRAFI BASXGRID II, OR AN APPROVED EQUAL. GEO-GRID SHALL BE PLACED, AND APPROPRIATELY OVERLAPPED IF NECESSARY, TO COVER THE ENTIRE LENGTH AND WIDTH OF THE VEHICLE TRACKING CONTROL PAD.
6. CRUSHED ROCK SHALL BE A MINIMUM OF 3-6" GRANITE WITH A FRACTURED FACE (ALL SIDES).

VEHICLE TRACKING CONTROL PAD INSTALLATION AND MAINTENANCE NOTES

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE VEHICLE TRACKING CONTROL PAD.
2. WHEN THE VEHICLE TRACKING CONTROL PAD IS REMOVED, ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE VEHICLE TRACKING CONTROL PAD SHALL BE ROUGHENED, SEEDED, MULCHED, AND CRIMPED PER THE TOWN'S SPECIFICATIONS (SEE DETAIL SMC).
3. THE VEHICLE TRACKING CONTROL PAD SHALL BE MAINTAINED SUCH THAT THE ROCK REMAINS RELATIVELY LOOSE AND ACCUMULATED MUD AND OTHER DEBRIS IS REGULARLY REMOVED.

Town of Parker COLORADO | **CBMP** | CONSTRUCTION BEST MANAGEMENT PRACTICES | VTC | 3 OF 3 | Oct. 2013

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DEBRIS CONTROL NOTES:

1. A COMBINATION OF SURFACE SCRAPING AND SWEEPING MAY BE NECESSARY TO PROPERLY CLEAN THESE AREAS.
2. ALL CHEMICAL SPILLS AND/OR STAINS ON THE SITE SHALL BE CLEANED TO THE MAXIMUM EXTENT PRACTICABLE. IN SOME CASES IT MAY BE NECESSARY TO USE PRESSURIZED WATER AND A VAC-TRUCK.
3. ON-SITE PERSONNEL, DELIVERY DRIVERS, ETC., SHOULD BE EDUCATED ON THE NEED FOR CONTINUAL DEBRIS AND TRASH CONTROL.

Town of Parker COLORADO | **CBMP** | CONSTRUCTION BEST MANAGEMENT PRACTICES | DTC | 2 OF 2 | Oct. 2013

TOWN OF PARKER APPROVALS

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH THE TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATION. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

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TOWN OF PARKER, DIRECTOR OF ENGINEERING/PUBLIC WORKS DATE

ROADWAY & STORM DRAIN PLANS FOR
DOUGLAS 234
FILING, NO. 6
DOUGLAS COUNTY, COLORADO

RICK™
ENGINEERING COMPANY
9801 EAST EASTER AVE
CENTENNIAL, CO 80112
303.537.8020
Tucson - San Diego - Riverside - Orange
Sacramento - San Luis Obispo - Phoenix
rickengineering.com

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Know what's below.
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REVISIONS:

NO.	DESCRIPTION	DATE:
△ -	-	-

SCALE: NTS
DATE: 9/14/2020
DRAWN BY: WD
CHECKED BY: JS
JOB NO: D01173–A

CBMP
DETAILS 7

PROJECT NO.
D01173–A
DRAWING NO.
13
SHEET NO. 13 OF 25 SHEETS

PRELIMINARY
NOT FOR CONSTRUCTION

C:\RICK\Projects\D_CEN_L\1173_Chambers&Hess\Civil\Plans\RoadwayStormDrain\15 CBMP DETAILS 7.dwg 2020-09-14 – 11:33PM – jscanlon

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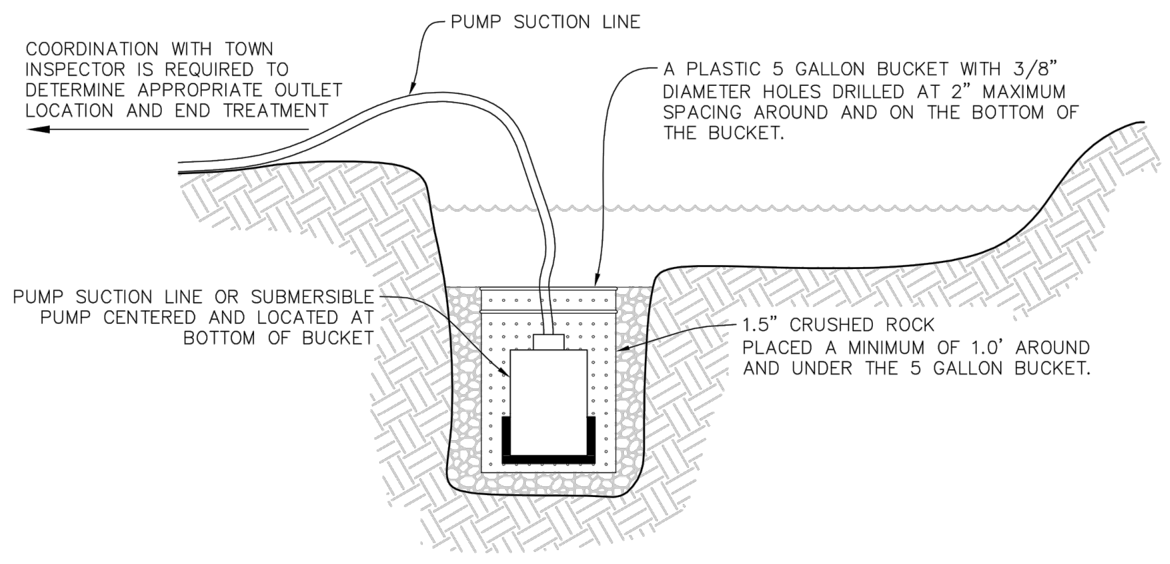

PUMP SUCTION LINE
COORDINATION WITH TOWN INSPECTOR IS REQUIRED TO DETERMINE APPROPRIATE OUTLET LOCATION AND END TREATMENT
A PLASTIC 5 GALLON BUCKET WITH 3/8" DIAMETER HOLES DRILLED AT 2" MAXIMUM SPACING AROUND AND ON THE BOTTOM OF THE BUCKET.
PUMP SUCTION LINE OR SUBMERSIBLE PUMP CENTERED AND LOCATED AT BOTTOM OF BUCKET
1.5" CRUSHED ROCK PLACED A MINIMUM OF 1.0' AROUND AND UNDER THE 5 GALLON BUCKET.

TYPICAL DEWATERING SUMP

NOTE:
IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE APPROPRIATE MEASURES TO PROTECT PUMPING EQUIPMENT AND MINIMIZE SEDIMENT. USE OF A PLASTIC 5 GALLON BUCKET IS SUGGESTED BUT NOT REQUIRED. THE CONTRACTOR SHALL NOT HOLD THE TOWN LIABLE FOR DAMAGE TO PUMPING EQUIPMENT REGARDLESS OF METHODS USED.

D **DEWATERING**

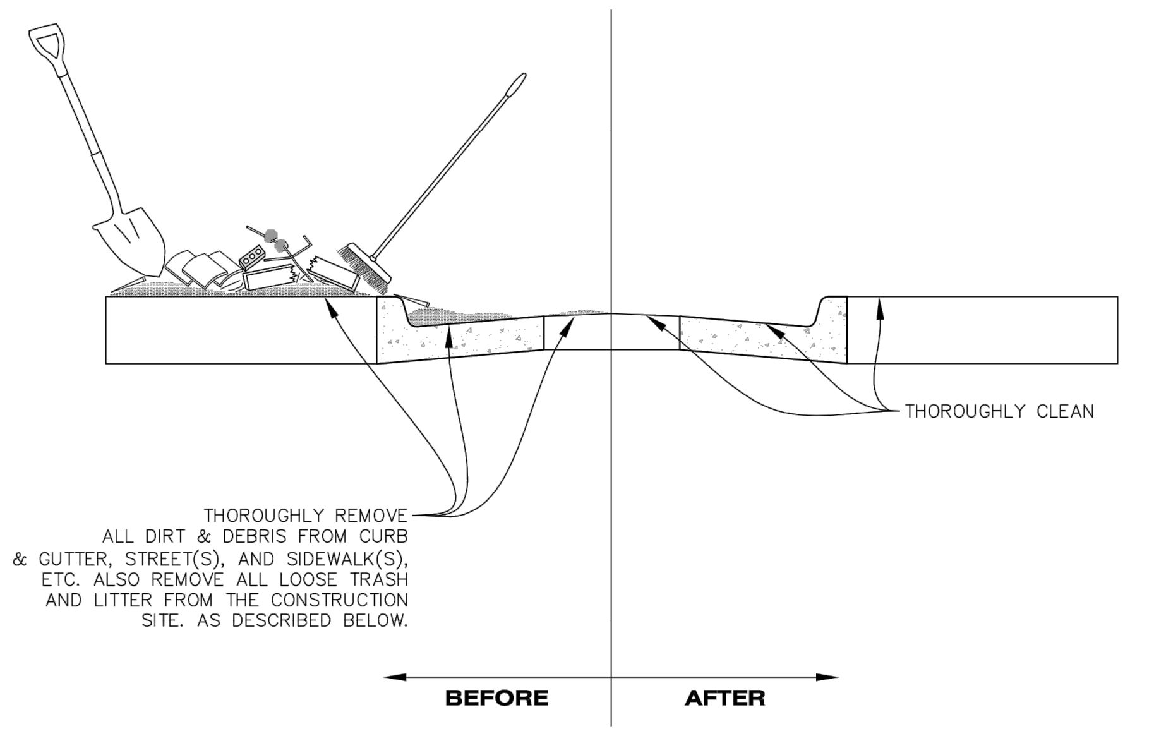
Town of Parker COLORADO

CBMP

CONSTRUCTION BEST MANAGEMENT PRACTICES

D
1 OF 2
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.


THOROUGHLY CLEAN
THOROUGHLY REMOVE ALL DIRT & DEBRIS FROM CURB & GUTTER, STREET(S), AND SIDEWALK(S), ETC. ALSO REMOVE ALL LOOSE TRASH AND LITTER FROM THE CONSTRUCTION SITE. AS DESCRIBED BELOW.
BEFORE
AFTER

NOTE:

1. THE EROSION CONTROL SUPERVISOR IS RESPONSIBLE FOR ENSURING THAT ALL STREETS, CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS, PARKING LOTS, ALLEYS, TRICKLE CHANNELS, AND/OR OTHER IMPERVIOUS SURFACES IMPACTED BY CONSTRUCTION ACTIVITIES ARE THOROUGHLY CLEANED THROUGHOUT THE DAY IF THEY BECOME SOILED. THESE AREAS MUST ALSO BE THOROUGHLY CLEAN BEFORE THE END OF THE WORK DAY. FURTHERMORE, ALL LOOSE TRASH AND LITTER ASSOCIATED WITH THE PROJECT MUST BE REMOVED AND PROPERLY DISCARDED ON A DAILY BASIS.

DTC **DEBRIS AND TRASH CONTROL**

Town of Parker COLORADO

CBMP

CONSTRUCTION BEST MANAGEMENT PRACTICES

DTC
1 OF 2
Oct. 2013

TOWN OF PARKER APPROVALS

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____
TOWN OF PARKER, DIRECTOR OF ENGINEERING/PUBLIC WORKS DATE

ROADWAY & STORM DRAIN PLANS FOR
DOUGLAS 234
FILING, NO. 6
DOUGLAS COUNTY, COLORADO

RICK ENGINEERING COMPANY
9801 EAST EASTER AVE
CENTENNIAL, CO 80112
303.537.8020
Tucson - San Diego - Riverside - Orange
Sacramento - San Luis Obispo - Phoenix
rickengineering.com

Know what's below. Call before you dig.

REVISIONS:

NO.	DESCRIPTION	DATE:
△	-	-

SCALE: NTS
DATE: 9/14/2020
DRAWN BY: WD
CHECKED BY: JS
JOB NO: D01173–A

CBMP DETAILS 8

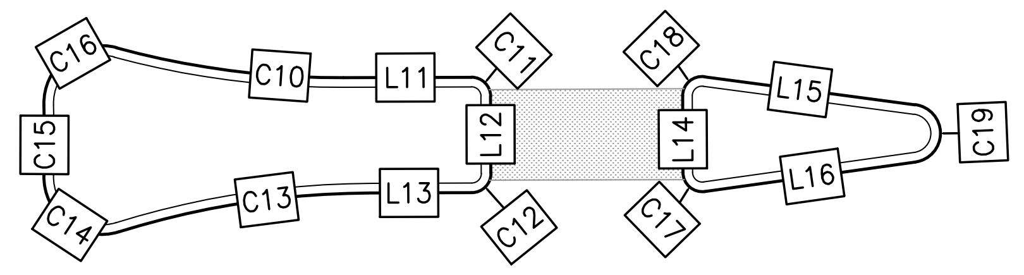
PROJECT NO. D01173–A
DRAWING NO. 14
SHEET NO. 14 OF 25 SHEETS

PRELIMINARY
NOT FOR CONSTRUCTION

C:\RICK\Projects\D_CEN_L\1173_Chambers&Hess\Civil\Plans\RoadwayStormDrain\16 CBMP DETAILS 8.dwg 2020-09-14 – 11:33PM – jscanlon

ROADWAY NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION., AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
2. REFER TO GENERAL NOTES ON SHEET 2 FOR ALL APPLICABLE CONSTRUCTION STANDARDS.
3. ALL ROAD ELEVATIONS SHOWN IN PROFILE ARE CENTERLINE OF PAVEMENT UNLESS OTHERWISE NOTED.
4. ALL STATIONING OFFSETS ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED. REFER TO FINAL PLAT FOR RIGHT-OF-WAY AND CENTERLINE DIMENSIONS AND HORIZONTAL CONTROL.
5. ACCESSIBLE RAMP SYMBOLS SHOWN ON THESE PLANS ARE FOR LOCATION ONLY. ACCESSIBLE RAMPS SHALL BE CONSTRUCTED PER THE TOWN OF PARKER DETAILS INCLUDED IN THIS PLAN SET.
6. REFER TO SHEET 25 FOR TYPICAL STREET SECTIONS USED FOR THIS PROJECT.
7. REFER TO SHEET 19 FOR DETAILED INTERSECTION AND MEDIAN GRADING AND STAKING INFORMATION.


C16
C10
L11
C11
C18
L15
C19
C15
L12
L14
L16
C14
C13
L13
C12
C17

PLAN – MEDIAN

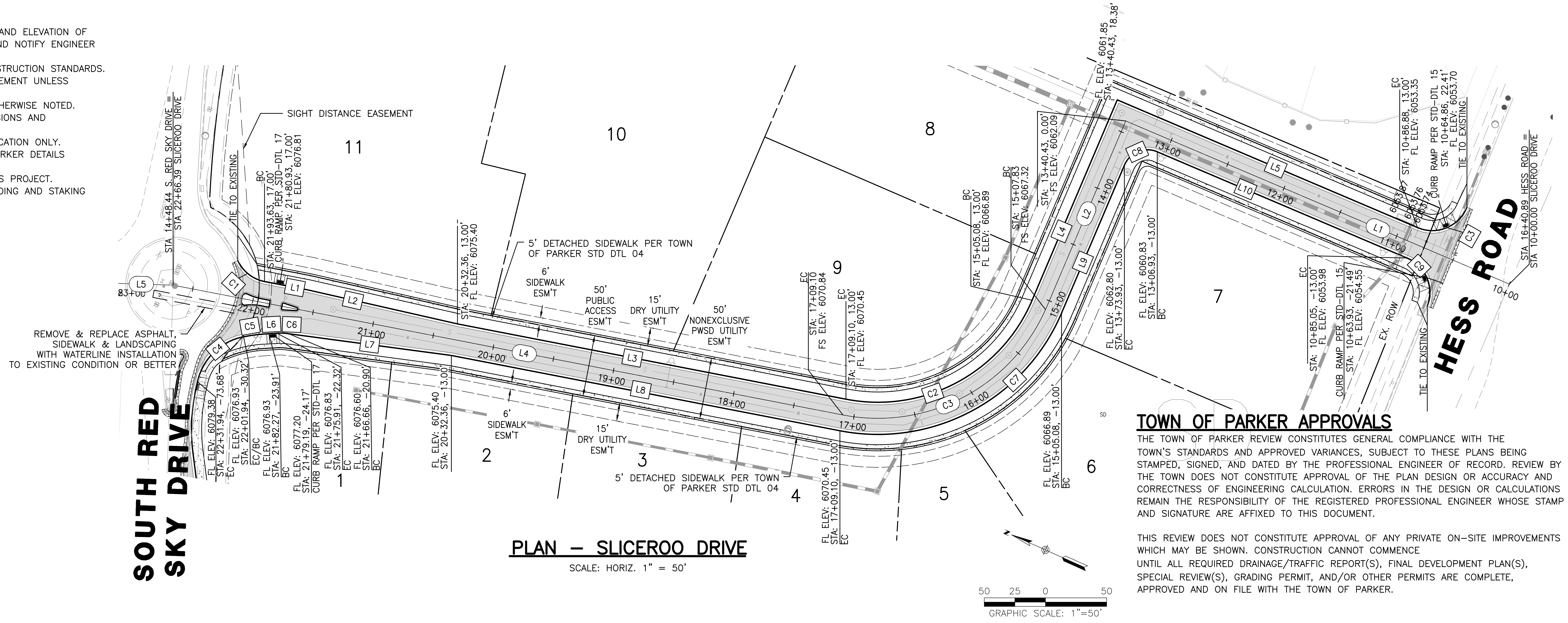
SCALE: HORIZ. 1" = 10'

CURB LINE & CURVE TABLE

CURVE #/LINE #	LENGTH	BEARING/DELTA	RADIUS	TYPE
C1	28.89'	054°15'55"	30.50'	TYPE 2 SECTION II–B
C2	186.34'	077°55'45"	137.00'	TYPE 2 SECTION II–B
C3	48.60'	091°17'40"	30.50'	TYPE 2 SECTION II–B
C4	55.81'	066°37'21"	48.00'	TYPE 2 SECTION II–B
C5	20.70'	007°54'24"	150.00'	TYPE 2 SECTION II–B
C6	9.37'	010°44'07"	50.00'	TYPE 2 SECTION II–B
C7	221.70'	077°55'45"	163.00'	TYPE 2 SECTION II–B
C8	32.20'	090°00'00"	20.50'	TYPE 2 SECTION II–B
C9	47.30'	088°50'50"	30.50'	TYPE 2 SECTION II–B
C10	11.95'	015°22'48"	44.50'	TYPE 2 SECTION II–B
C11	1.57'	090°00'00"	1.00'	TYPE 2 SECTION II–B
C12	1.57'	090°00'00"	1.00'	TYPE 2 SECTION II–B
C13	13.32'	017°08'53"	44.50'	TYPE 2 SECTION II–B
C14	5.72'	109°10'54"	3.00'	TYPE 2 SECTION II–B
C15	3.62'	003°40'19"	56.50'	TYPE 2 SECTION II–B
C16	5.60'	107°01'06"	3.00'	TYPE 2 SECTION II–B
C17	1.71'	097°45'55"	1.00'	TYPE 2 SECTION II–B
C18	1.71'	097°45'55"	1.00'	TYPE 2 SECTION II–B
C19	4.31'	164°28'11"	1.50'	TYPE 2 SECTION II–B
L1	36.28	S13°07'09"E	N/A	TYPE 2 SECTION II–B
L2	125.06	S11°17'10"E	N/A	TYPE 2 SECTION II–B
L3	323.25	S13°07'09"E	N/A	TYPE 2 SECTION II–B
L4	177.65	N88°57'06"E	N/A	TYPE 2 SECTION II–B
L5	266.55	S1°02'54"E	N/A	TYPE 2 SECTION II–B
L6	6.56	N27°13'09"W	N/A	TYPE 2 SECTION II–B
L7	134.54	N16°29'02"W	N/A	TYPE 2 SECTION II–B
L8	323.25	S13°07'09"E	N/A	TYPE 2 SECTION II–B
L9	131.15	N88°57'06"E	N/A	TYPE 2 SECTION II–B
L10	221.89	S1°02'54"E	N/A	TYPE 2 SECTION II–B
L11	6.64	S89°48'14"W	N/A	TYPE 2 SECTION II–B
L12	4.00	N0°11'46"W	N/A	TYPE 2 SECTION II–B
L13	5.25	N89°48'14"E	N/A	TYPE 2 SECTION II–B
L14	3.98	N0°11'46"W	N/A	TYPE 2 SECTION II–B
L15	11.07	S82°25'51"E	N/A	TYPE 2 SECTION II–B
L16	11.07	S82°02'20"W	N/A	TYPE 2 SECTION II–B

CENTERLINE LINE & CURVE TABLE

CURVE #/LINE #	RADIUS	LENGTH	DELTA (Δ)	DIRECTION
C3	150.00'	204.02'	77°55'45"	N52° 05' 01.35"W
L1	N/A	340.43'	N/A	N1° 02' 54.00"W
L2	N/A	164.65'	N/A	S88° 57' 06.00"W
L4	N/A	557.29'	N/A	N13° 07' 08.70"W
L5	N/A	51.95'	N/A	N22° 15' 46.00"W


SOUTH RED SKY DRIVE
HESS ROAD
SIGHT DISTANCE EASEMENT
TIE TO EXISTING
STA: 14+48.44 S. RED SKY DRIVE = STA: 22+66.39 SLICEROO DRIVE
STA: 16+40.89 HESS ROAD = STA: 10+00.00 SLICEROO DRIVE
REMOVE & REPLACE ASPHALT, SIDEWALK & LANDSCAPING WITH WATERLINE INSTALLATION TO EXISTING CONDITION OR BETTER
5' DETACHED SIDEWALK PER TOWN OF PARKER STD DTL 04
6' SIDEWALK ESM'T
50' PUBLIC ACCESS ESM'T
15' DRY UTILITY ESM'T
50' NONEXCLUSIVE PWSD UTILITY ESM'T
CURB RAMP PER STD-DTL 15
CURB RAMP PER STD-DTL 17
EX. ROW
1
2
3
4
5
6
7
8
9
10
11
22+00
21+00
20+00
19+00
18+00
17+00
16+00
15+00
14+00
13+00
12+00
11+00
10+00
GRAPHIC SCALE: 1"=50'

PLAN – SLICEROO DRIVE

SCALE: HORIZ. 1" = 50'

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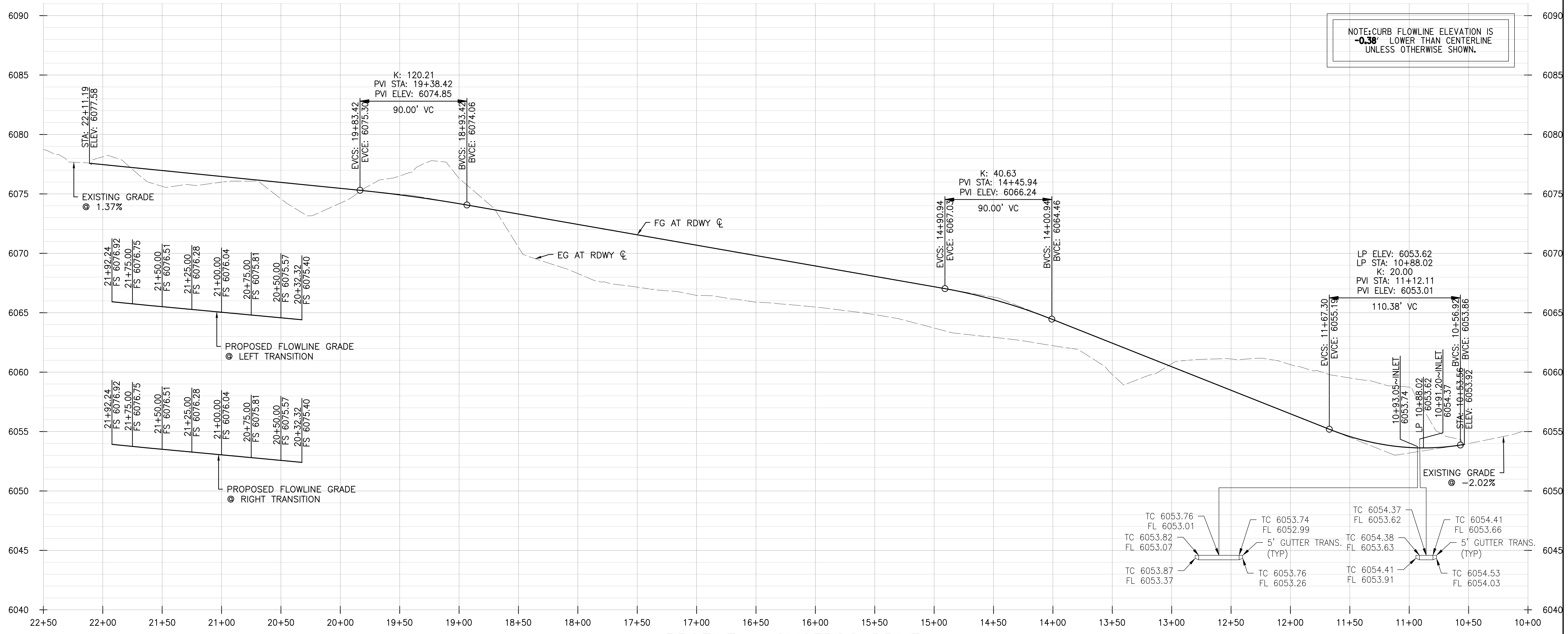
TOWN OF PARKER, DIRECTOR OF ENGINEERING DATE



PROFILE – SLICEROO DRIVE

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

ROADWAY & STORM DRAIN PLANS FOR
DOUGLAS 234
FILING, NO. 6
DOUGLAS COUNTY, COLORADO

RICK ENGINEERING COMPANY
9801 EAST EASTER AVE
CENTENNIAL, CO 80112
303.537.8020
Tucson - San Diego - Riverside - Orange
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rickengineering.com

ROBERT K. FITCH
48704

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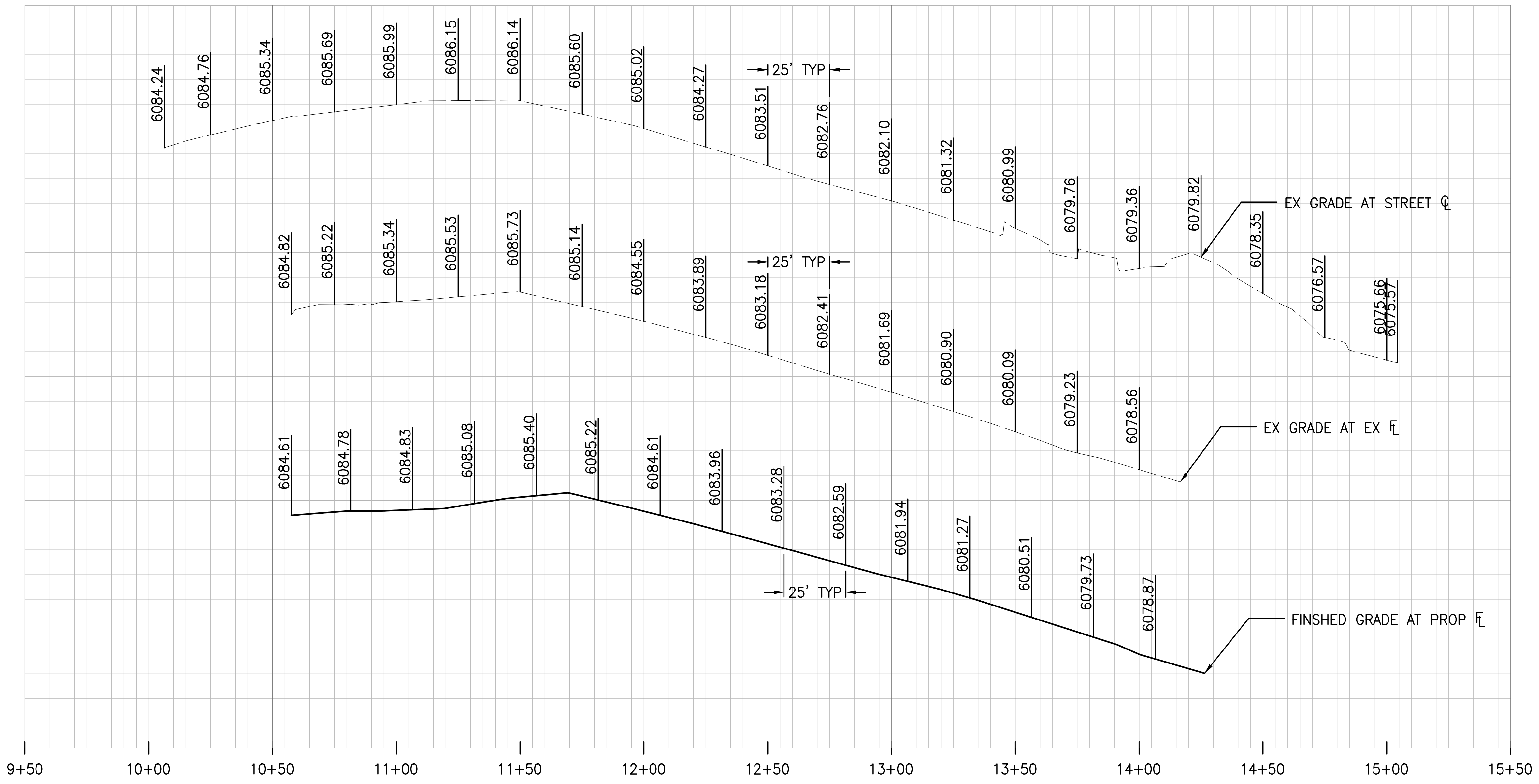
△	-	-

SCALE: 1" = 50'
DATE: 9/14/2020
DRAWN BY: WD
CHECKED BY: JS
JOB NO: D01173–A

SLICEROO DR PLAN & PROFILE

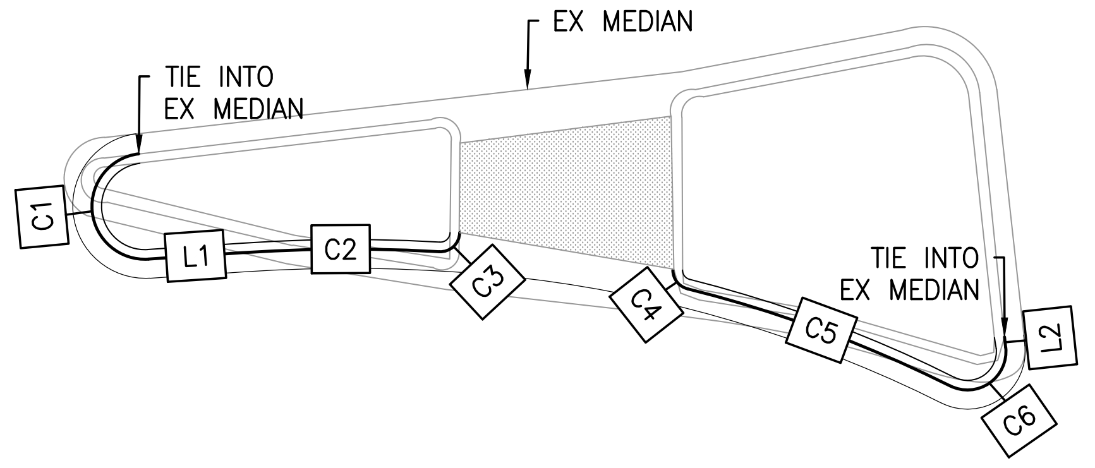
PROJECT NO. D01173–A
DRAWING NO. 15
SHEET NO. 15 OF 25 SHEETS

PRELIMINARY
NOT FOR CONSTRUCTION



PROFILE – SOUTH RED SKY DRIVE

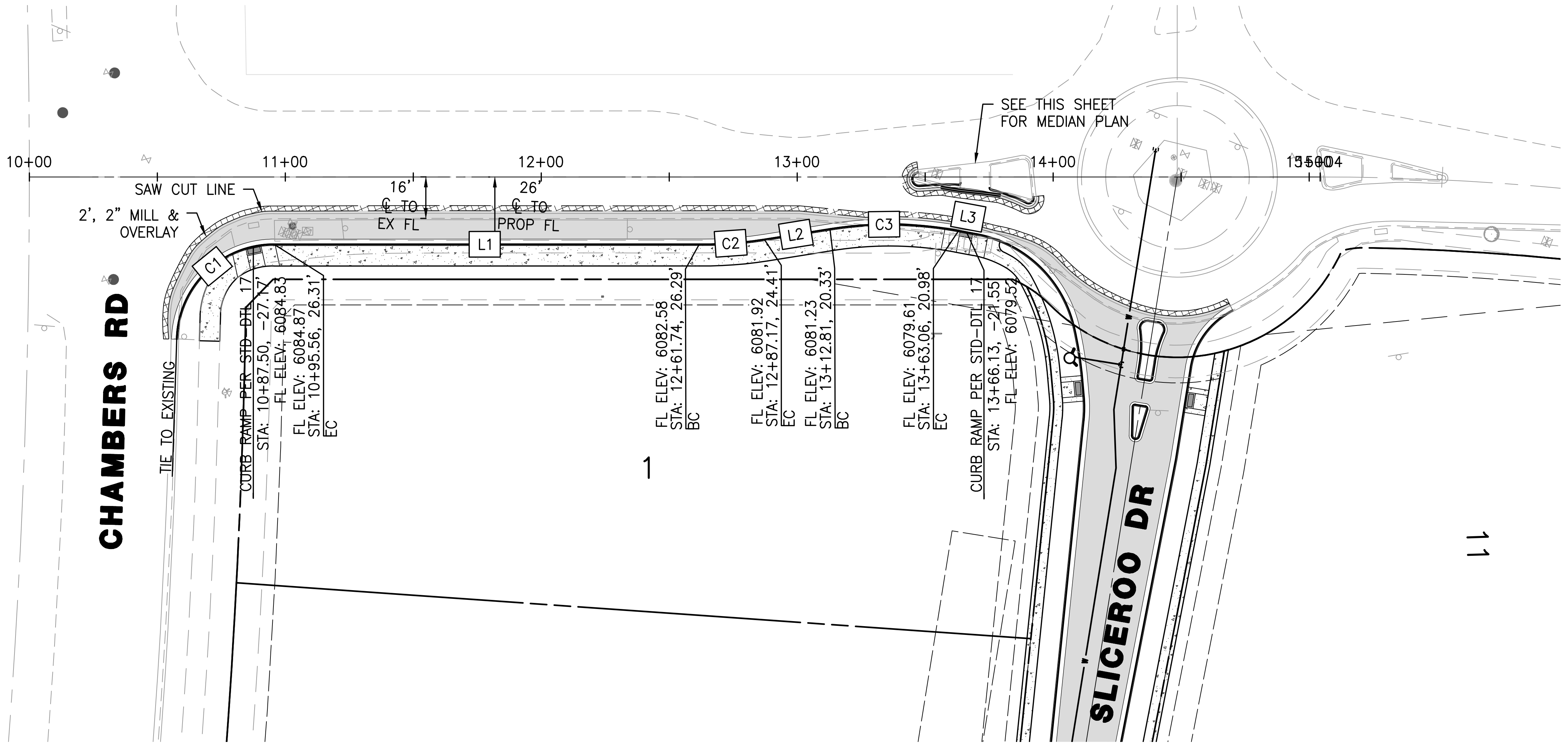
SCALE: HORIZ. 1" = 40' VERT. 1" = 4'

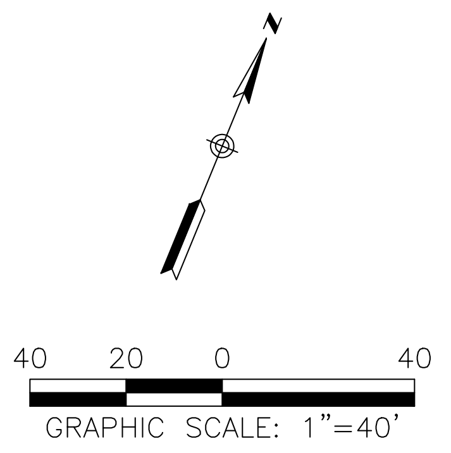

EX MEDIAN
TIE INTO
EX MEDIAN
C1
L1
C2
C3
C4
C5
TIE INTO
EX MEDIAN
L2
C6

PLAN – SOUTH RED SKY DRIVE MEDIAN

SCALE: 1"=10'

MEDIAN CURB LINE AND CURVE TABLE				
CURVE #/LINE #	LENGTH	BEARING/DELTA	RADIUS	TYPE
C1	8.50'	177°11'44"	2.75'	TYPE 2 SECTION I–B
C2	10.27'	007°10'29"	82.00'	TYPE 2 SECTION I–B
C3	1.61'	092°30'14"	1.00'	TYPE 2 SECTION I–B
C4	1.32'	075°41'10"	1.00'	TYPE 2 SECTION I–B
C5	14.61'	012°29'49"	67.00'	TYPE 2 SECTION I–B
C6	4.28'	122°36'51"	2.00'	TYPE 2 SECTION I–B
L1	4.88	N63°50'08"E	N/A	TYPE 2 SECTION I–B
L2	0.56	N28°19'14"W	N/A	TYPE 2 SECTION I–B


SEE THIS SHEET
FOR MEDIAN PLAN
10+00
11+00
12+00
13+00
14+00
15+04
SAW CUT LINE
2', 2" MILL &
OVERLAY
16'
℄ TO
EX FL
26'
℄ TO
PROP FL
C1
L1
C2
L2
C3
L3
CHAMBERS RD
TIE TO EXISTING
CURB RAMP PER STD-DTL 17
STA: 10+87.50, -27.17'
FL ELEV: 6084.83
FL ELEV: 6084.87
STA: 10+95.56, 26.31'
EC
FL ELEV: 6082.58
STA: 12+61.74, 26.29'
BC
FL ELEV: 6081.92
STA: 12+87.17, 24.41'
EC
FL ELEV: 6081.23
STA: 13+12.81, 20.33'
BC
FL ELEV: 6079.61
STA: 13+63.06, 20.98'
EC
CURB RAMP PER STD-DTL 17
STA: 13+66.13, -21.55
FL ELEV: 6079.52
1
11
SLICEROO DR


40
20
0
40
GRAPHIC SCALE: 1"=40'

PLAN – SOUTH RED SKY DRIVE

SCALE: 1"=40'

CURB LINE AND CURVE TABLE				
CURVE #/LINE #	LENGTH	BEARING/DELTA	RADIUS	TYPE
C1	58.79'	088°38'51"	38.00'	TYPE 2 SECTION II–B
C2	25.53'	009°37'25"	152.00'	TYPE 2 SECTION II–B
C3	50.50'	019°33'07"	148.00'	TYPE 2 SECTION II–B
L1	166.17	S67°43'48"W	N/A	TYPE 2 SECTION II–B
L2	25.96	S58°41'59"W	N/A	TYPE 2 SECTION II–B
L3	7.28	N78°15'06"E	N/A	TYPE 2 SECTION II–B

ROADWAY NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION., AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
2. REFER TO GENERAL NOTES ON SHEET 2 FOR ALL APPLICABLE CONSTRUCTION STANDARDS.
3. ALL ROAD ELEVATIONS SHOWN IN PROFILE ARE CENTERLINE OF PAVEMENT UNLESS OTHERWISE NOTED.
4. ALL STATIONING OFFSETS ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED. REFER TO FINAL PLAT FOR RIGHT–OF–WAY AND CENTERLINE DIMENSIONS AND HORIZONTAL CONTROL.
5. ACCESSIBLE RAMP SYMBOLS SHOWN ON THESE PLANS ARE FOR LOCATION ONLY. ACCESSIBLE RAMPS SHALL BE CONSTRUCTED PER THE TOWN OF PARKER DETAILS INCLUDED IN THIS PLAN SET.
6. REFER TO SHEET 25 FOR TYPICAL STREET SECTIONS USED FOR THIS PROJECT.
7. REFER TO SHEET 19 FOR DETAILED INTERSECTION AND MEDIAN GRADING AND STAKING INFORMATION.

TOWN OF PARKER APPROVALS

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TOWN OF PARKER, DIRECTOR OF ENGINEERING DATE

ROADWAY & STORM DRAIN PLANS FOR
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FILING, NO. 6
DOUGLAS COUNTY, COLORADO

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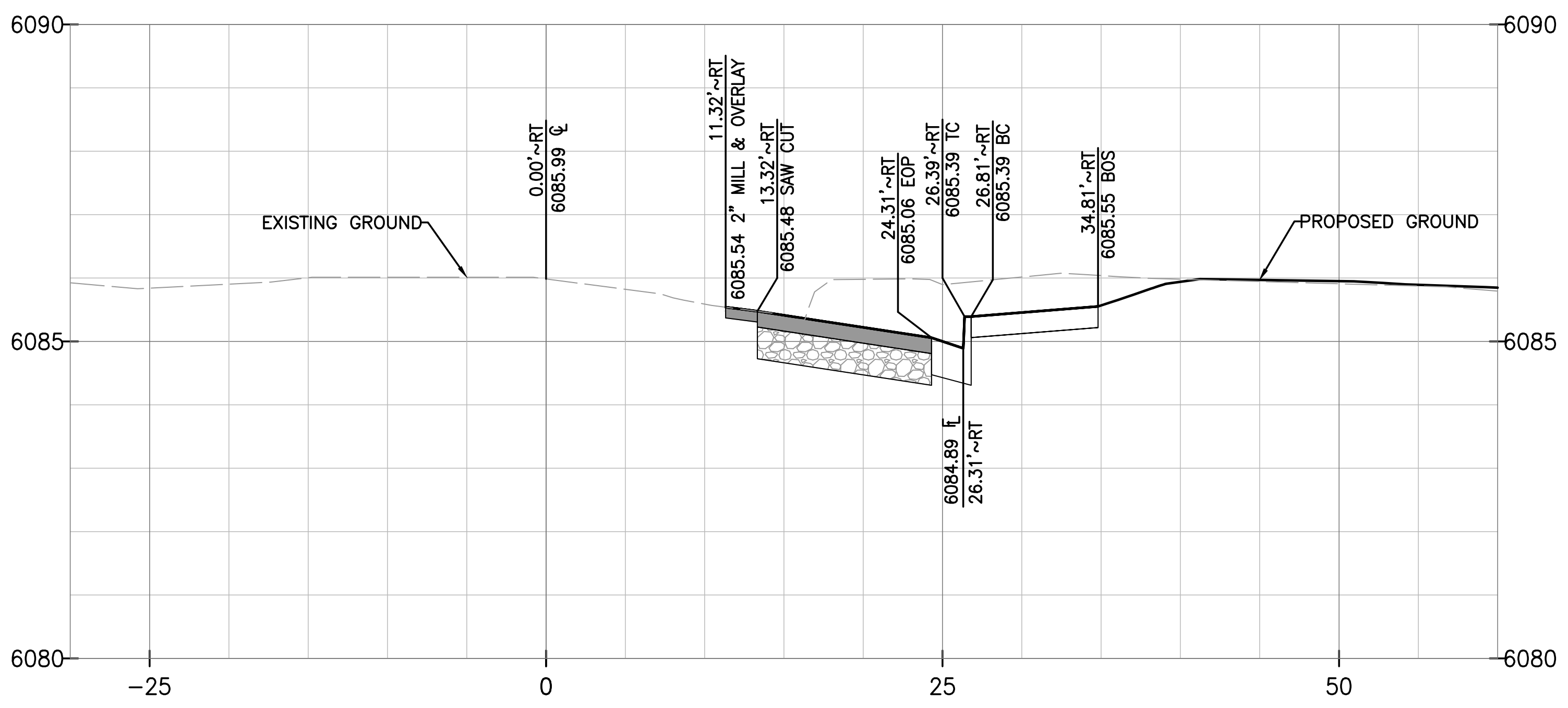
SCALE: 1" = 40'
DATE: 9/14/2020
DRAWN BY: WD
CHECKED BY: JS
JOB NO: D01173–A

S. RED SKY DRIVE PLAN & PROFILE

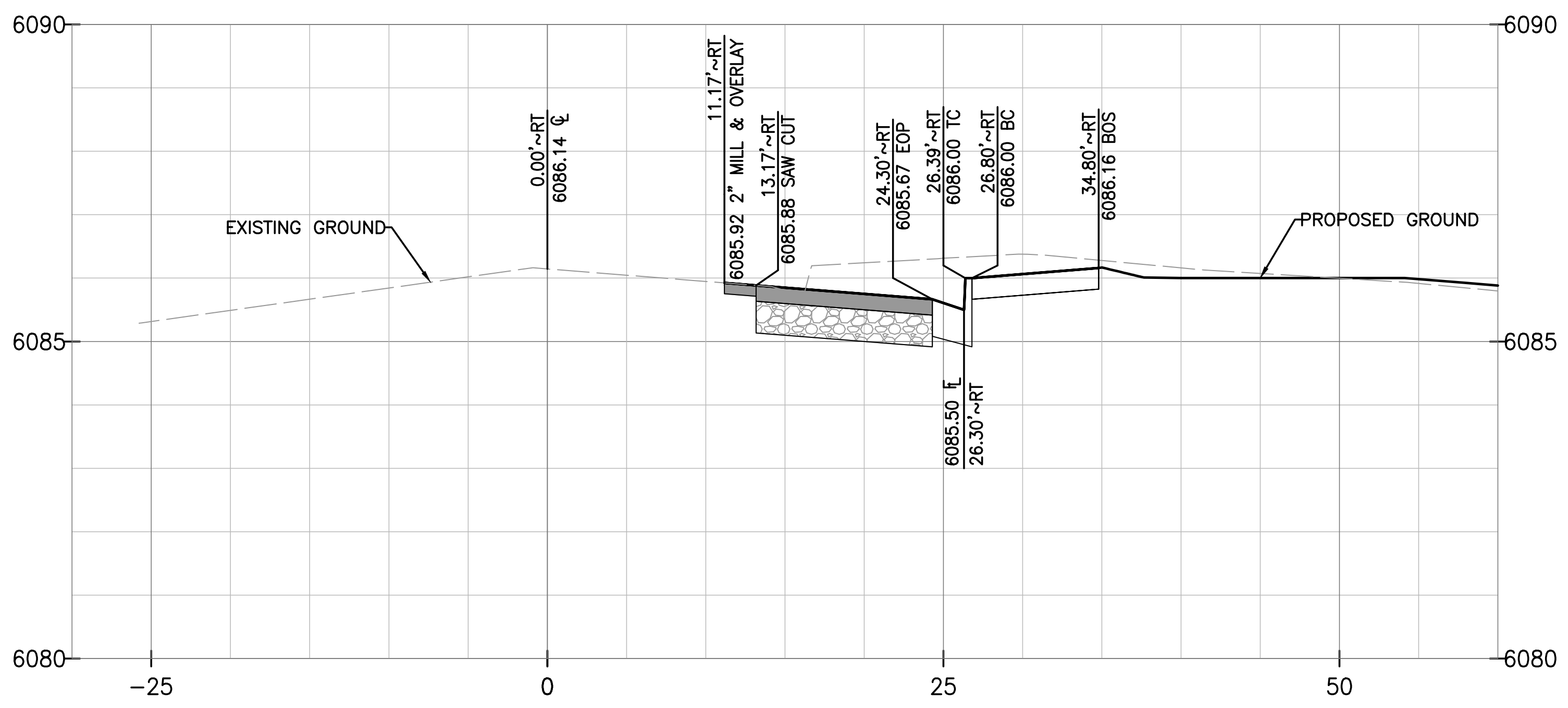
PROJECT NO. D01173–A
DRAWING NO. 16
SHEET NO. 16 OF 25 SHEETS

PRELIMINARY
NOT FOR CONSTRUCTION


6090
6085
6080
-25
0
25
50
EXISTING GROUND
PROPOSED GROUND
0.00'~RT 6085.99 ℄
11.32'~RT 6085.54 2" MILL & OVERLAY
13.32'~RT 6085.48 SAW CUT
24.31'~RT 6085.06 EOP
26.39'~RT 6085.39 TC
26.81'~RT 6085.39 BC
34.81'~RT 6085.55 BOS
6084.89 FL 26.31'~RT

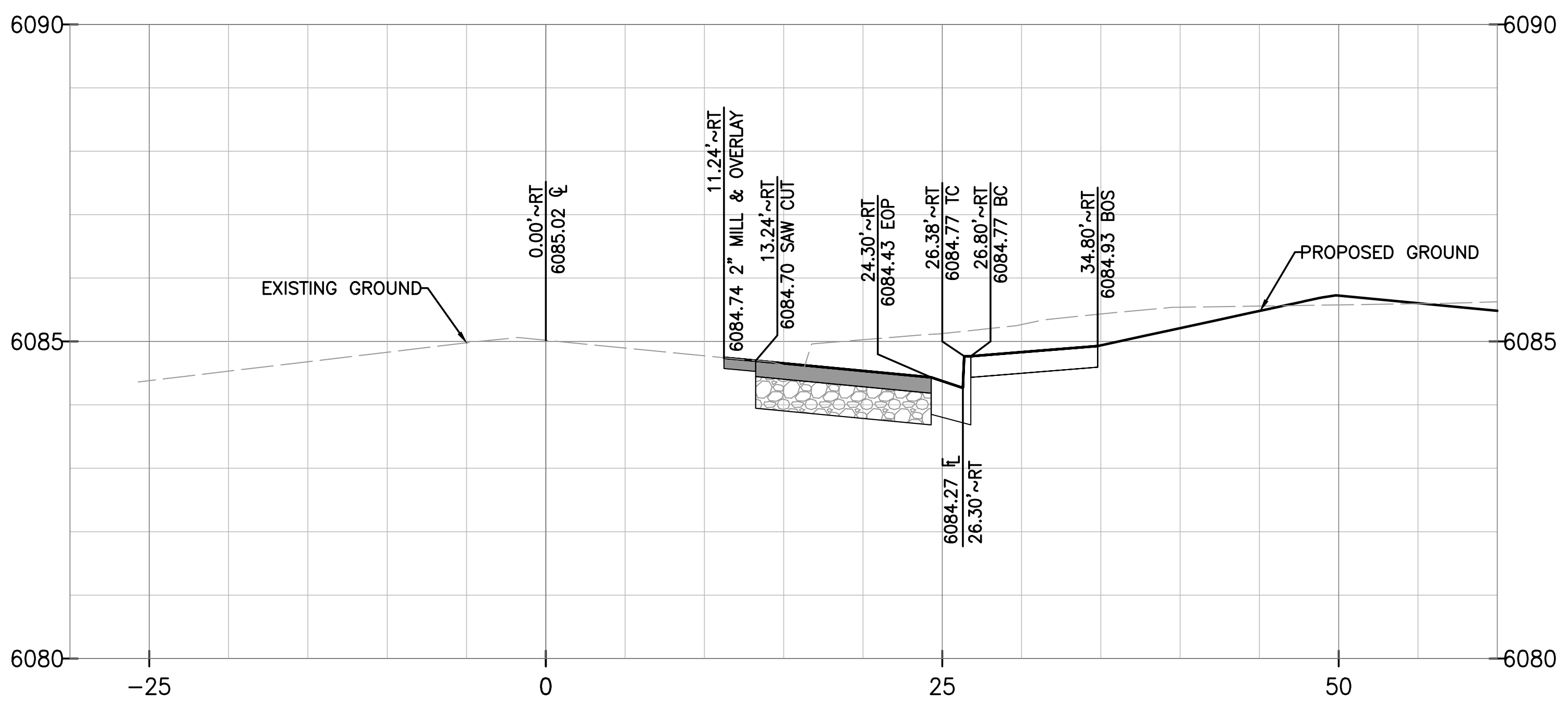
PROFILE – SOUTH RED SKY DRIVE STA 11+00

SCALE: HORIZ. 1"=10' VERT. 1" = 4'


6090
6085
6080
-25
0
25
50
EXISTING GROUND
PROPOSED GROUND
0.00'~RT 6086.14 ℄
11.17'~RT 6085.92 2" MILL & OVERLAY
13.17'~RT 6085.88 SAW CUT
24.30'~RT 6085.67 EOP
26.39'~RT 6086.00 TC
26.80'~RT 6086.00 BC
34.80'~RT 6086.16 BOS
6085.50 FL 26.30'~RT

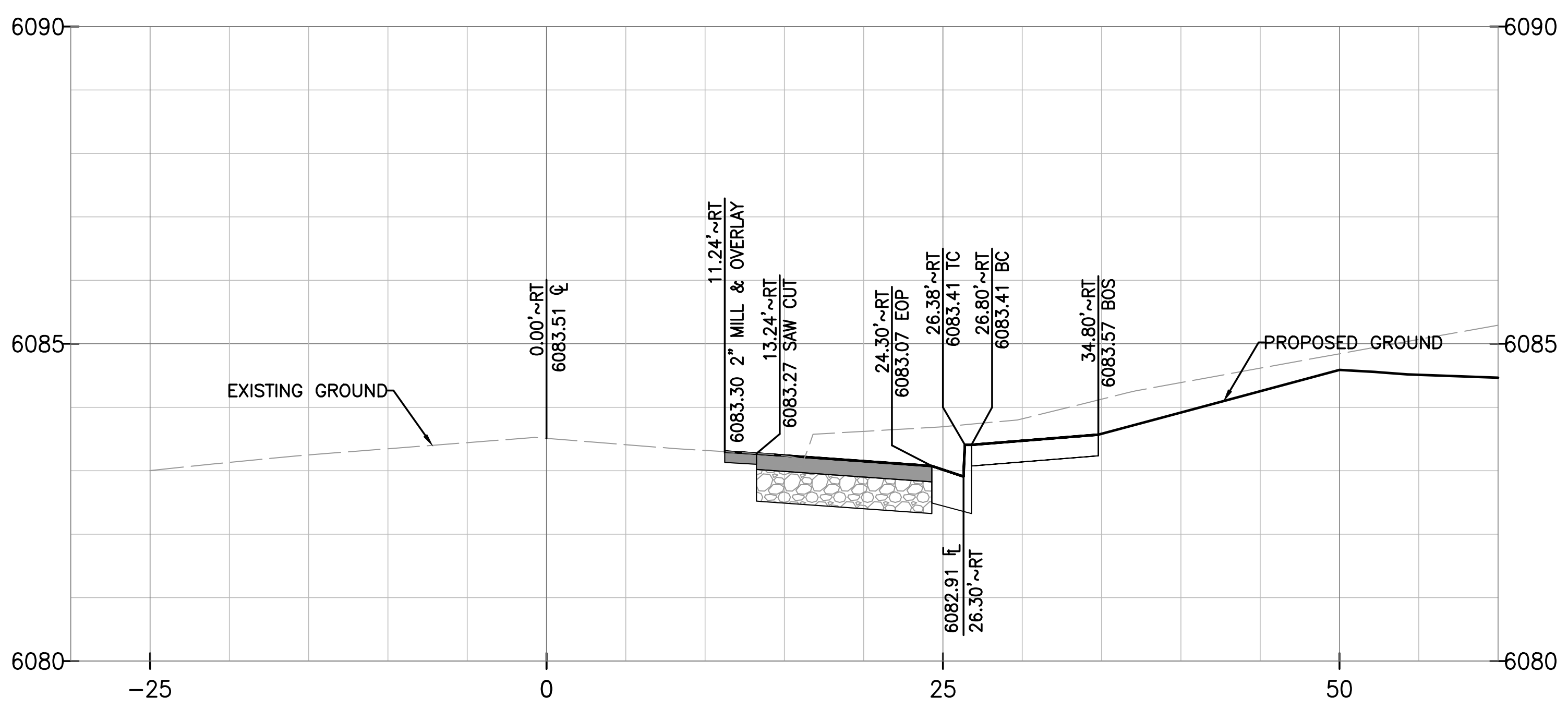
PROFILE – SOUTH RED SKY DRIVE STA 11+50

SCALE: HORIZ. 1"=10' VERT. 1" = 4'


6090
6085
6080
-25
0
25
50
EXISTING GROUND
PROPOSED GROUND
0.00'~RT 6085.02 ℄
11.24'~RT 6084.74 2" MILL & OVERLAY
13.24'~RT 6084.70 SAW CUT
24.30'~RT 6084.43 EOP
26.38'~RT 6084.77 TC
26.80'~RT 6084.77 BC
34.80'~RT 6084.93 BOS
6084.27 FL 26.30'~RT

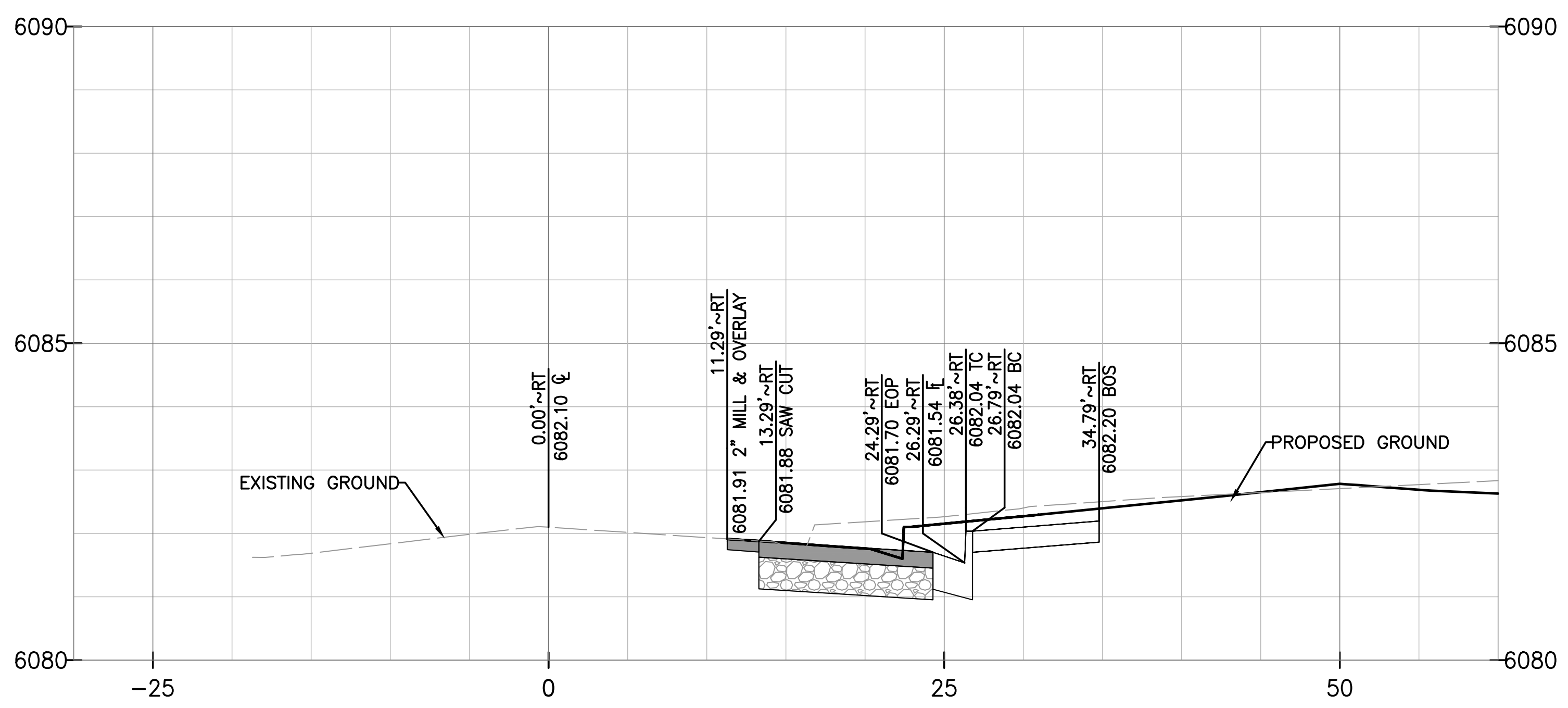
PROFILE – SOUTH RED SKY DRIVE STA 12+00

SCALE: HORIZ. 1"=10' VERT. 1" = 4'


6090
6085
6080
-25
0
25
50
EXISTING GROUND
PROPOSED GROUND
0.00'~RT 6083.51 ℄
11.24'~RT 6083.30 2" MILL & OVERLAY
13.24'~RT 6083.27 SAW CUT
24.30'~RT 6083.07 EOP
26.38'~RT 6083.41 TC
26.80'~RT 6083.41 BC
34.80'~RT 6083.57 BOS
6082.91 FL 26.30'~RT

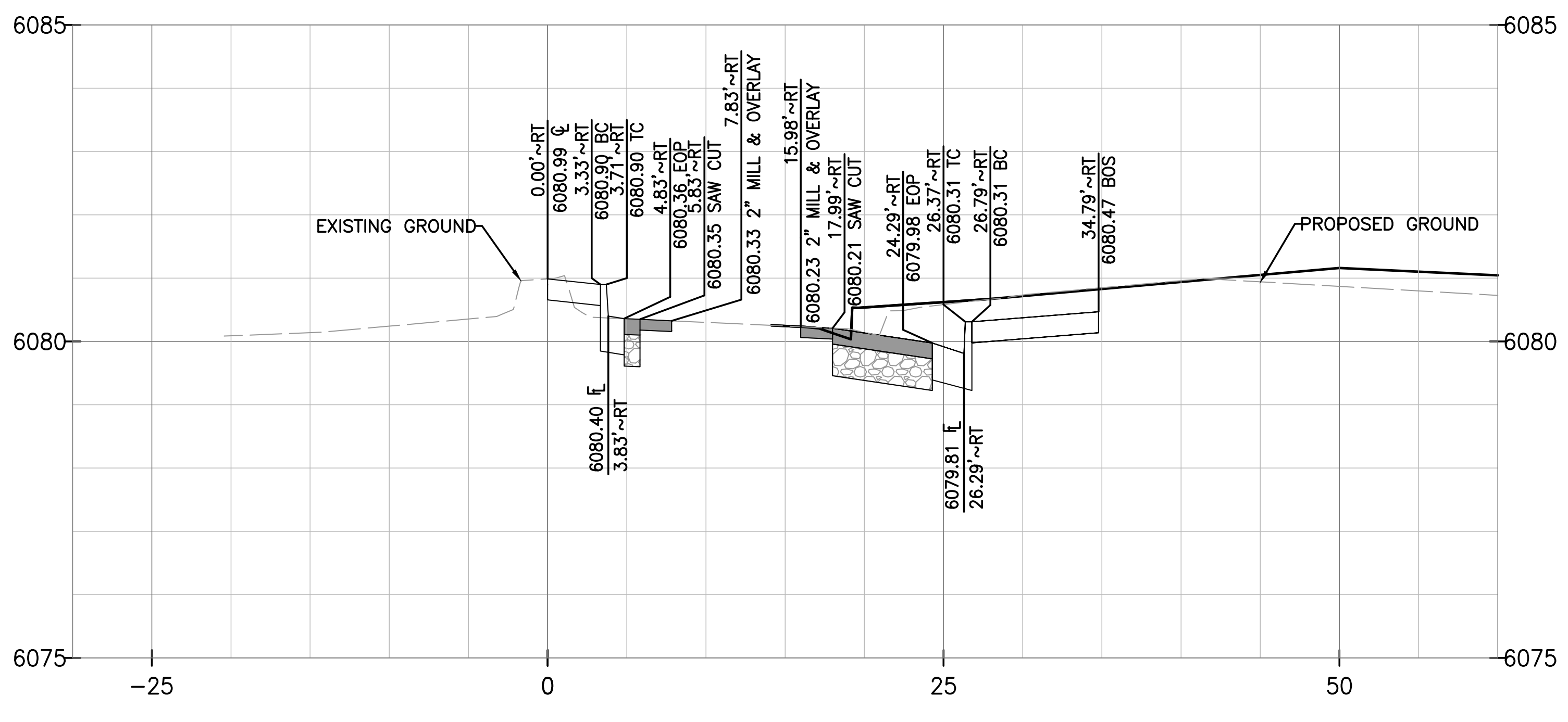
PROFILE – SOUTH RED SKY DRIVE STA 12+50

SCALE: HORIZ. 1"=10' VERT. 1" = 4'


6090
6085
6080
-25
0
25
50
EXISTING GROUND
PROPOSED GROUND
0.00'~RT 6082.10 ℄
11.29'~RT 6081.91 2" MILL & OVERLAY
13.29'~RT 6081.88 SAW CUT
24.29'~RT 6081.70 EOP
26.29'~RT 6081.54 FL
26.38'~RT 6082.04 TC
26.79'~RT 6082.04 BC
34.79'~RT 6082.20 BOS

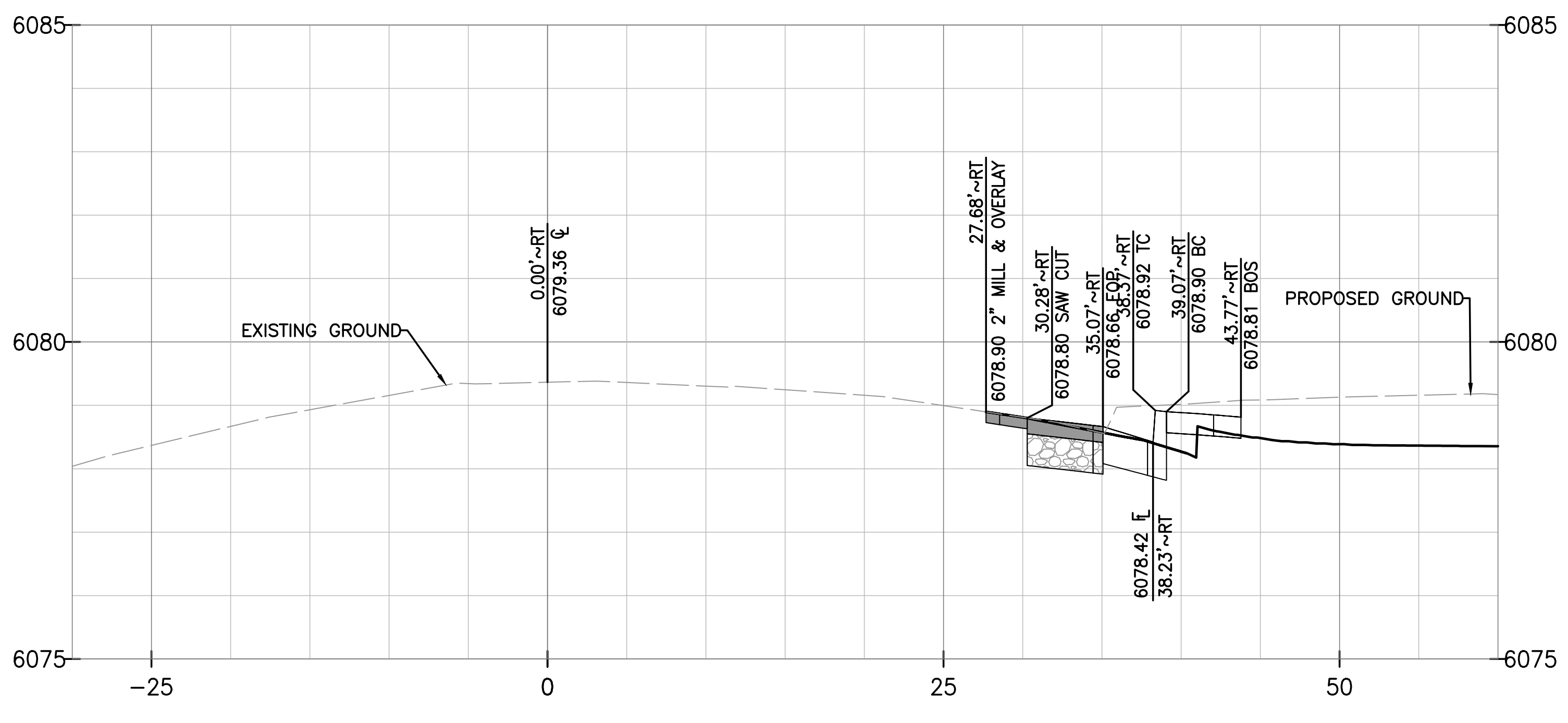
PROFILE – SOUTH RED SKY DRIVE STA 13+00

SCALE: HORIZ. 1"=10' VERT. 1" = 4'


6085
6080
6075
-25
0
25
50
EXISTING GROUND
PROPOSED GROUND
0.00'~RT 6080.99 ℄
3.33'~RT 6080.90 BC
3.71'~RT 6080.90 TC
4.83'~RT 6080.36 EOP
5.83'~RT 6080.35 SAW CUT
7.83'~RT 6080.33 2" MILL & OVERLAY
15.98'~RT 6080.23 2" MILL & OVERLAY
17.99'~RT 6080.21 SAW CUT
24.29'~RT 6079.98 EOP
26.37'~RT 6080.31 TC
26.79'~RT 6080.31 BC
34.79'~RT 6080.47 BOS
6080.40 FL 3.83'~RT
6079.81 FL 26.29'~RT

PROFILE – SOUTH RED SKY DRIVE STA 13+50

SCALE: HORIZ. 1"=10' VERT. 1" = 4'


6085
6080
6075
-25
0
25
50
EXISTING GROUND
PROPOSED GROUND
0.00'~RT 6079.36 ℄
27.68'~RT 6078.90 2" MILL & OVERLAY
30.28'~RT 6078.80 SAW CUT
35.07'~RT 6078.66 EOP
38.57'~RT 6078.92 TC
39.07'~RT 6078.90 BC
43.77'~RT 6078.81 BOS
6078.42 FL 38.23'~RT

PROFILE – SOUTH RED SKY DRIVE STA 14+00

SCALE: HORIZ. 1"=10' VERT. 1" = 4'

TOWN OF PARKER APPROVALS

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TOWN OF PARKER, DIRECTOR OF ENGINEERING ______ DATE ______

ROADWAY & STORM DRAIN PLANS FOR
DOUGLAS 234
FILING, NO. 6
DOUGLAS COUNTY, COLORADO

RICK
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DATE: 9/14/2020
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CHECKED BY: JS
JOB NO: D01173-A

S. RED SKY DRIVE CROSS SECTIONS

PROJECT NO. D01173-A
DRAWING NO. 17
SHEET NO. 17 OF 25 SHEETS

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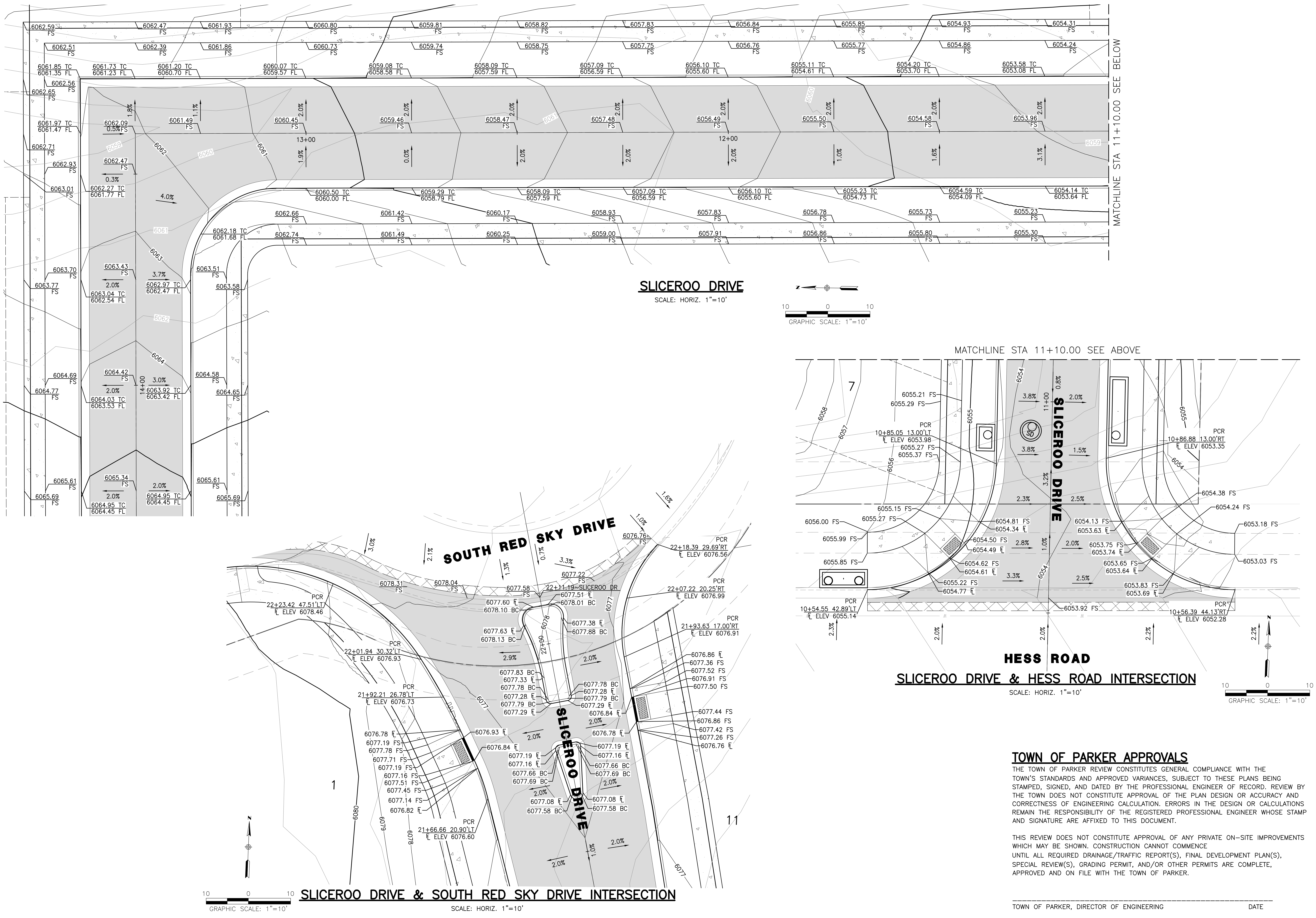

SLICEROO DRIVE

SCALE: HORIZ. 1"=10'

10 0 10
GRAPHIC SCALE: 1"=10'

SLICEROO DRIVE & HESS ROAD INTERSECTION

SCALE: HORIZ. 1"=10'

10 0 10
GRAPHIC SCALE: 1"=10'

SLICEROO DRIVE & SOUTH RED SKY DRIVE INTERSECTION

SCALE: HORIZ. 1"=10'

10 0 10
GRAPHIC SCALE: 1"=10'

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TOWN OF PARKER, DIRECTOR OF ENGINEERING DATE

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DOUGLAS COUNTY, COLORADO

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SCALE: 1" = 10'
DATE: 9/14/2020
DRAWN BY: WD
CHECKED BY: JS
JOB NO: D01173-A

INTERSECTION DETAILS

PROJECT NO.
D01173-A
DRAWING NO.
18
SHEET NO. 18 OF 25 SHEETS

PRELIMINARY
NOT FOR CONSTRUCTION

SIGNING AND STRIPING NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MOST RECENT VERSION OF THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), COLORADO SUPPLEMENTAL MUTCD, AND THE TOWN OF PARKER ROADWAY DESIGN AND CONSTRUCTION CRITERIA MANUAL. FURTHER SPECIFICATIONS AND ILLUSTRATIONS ARE LOCATED IN THE COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) M AND S STANDARDS.

2. A FIELD INSPECTION OF LOCATION AND INSTALLATION OF ALL SIGNS AND MARKINGS SHALL BE PERFORMED BY THE TOWN OF PARKER.

3. THE CONTRACTOR INSTALLING SIGNS SHALL BE RESPONSIBLE FOR THE LOCATING AND PROTECTING OF ALL UNDERGROUND UTILITIES.

4. TYPE III (LIGHTED) BARRICADES SHALL BE SET AT THE ENDS OF ROADWAYS SEPARATING FINISHED (AND/OR ACCEPTED) AND UNFINISHED CONSTRUCTION AREAS AND SHALL BE MAINTAINED BY THE CONTRACTOR/DEVELOPER. A "ROAD CLOSED AHEAD" AND "TO BE EXTENDED" WARNING SIGNS SHALL BE INSTALLED APPROPRIATELY IN ADVANCE OF THE TYPE III BARRICADES.

5. SPECIAL CARE SHALL BE TAKEN IN SIGN LOCATIONS TO ENSURE AN UNOBSTRUCTED VIEW OF EACH SIGN.

6. WHERE STOP SIGN CONTROL IS APPROPRIATE, 36 INCH STOP SIGNS SHALL BE USED FOR APPROACHES TO ANY ROADWAY THAT IS CLASSIFIED AS A COLLECTOR OR GREATER.

7. A 7 FOOT MINIMUM POST LENGTH SHALL BE MAINTAINED FROM THE BOTTOM OF THE SIGN PANEL TO THE GROUND. THIS REQUIREMENT FOR VERTICAL CLEARANCE IS FOR ALL SIGNS.

8. DELINEATION OF ROADWAYS SHALL BE AS SPECIFIED IN THE COLORADO DEPARTMENT OF TRANSPORTATION M AND S STANDARDS.

9. RAISED MEDIAN ISLAND NOSES SHALL HAVE R4-7 SIGNS AT EACH END AND A 4"X12" HIGH INTENSITY YELLOW SIGN BLANK LOCATED MIDWAY BETWEEN THE R4-7 SIGN AND FINISHED GRADE ON EACH POST.

10. SIGNAGE AND STRIPING HAS BEEN DETERMINED BY INFORMATION AVAILABLE AT THE TIME OF REVIEW. PRIOR TO THE INITIATION OF ANY WARRANTY PERIOD, THE TOWN OF PARKER RESERVES THE RIGHT TO REQUIRE MODIFICATIONS TO EXISTING, OR INSTALLATION OF, ADDITIONAL SIGNAGE AND/OR PAVEMENT MARKING IF IT IS DETERMINED THAT CONDITIONS WARRANT SUCH MODIFICATION ACCORDING TO THE MUTCD OR THE CDOT M AND S STANDARDS. ALL SIGNAGE AND STRIPING SHALL FALL UNDER THE REQUIREMENTS OF THE TWO-YEAR WARRANTY PERIOD FOR NEW CONSTRUCTION. ADDITIONALLY, ALL PAVEMENT MARKINGS SHALL NOT LIFT OR PEEL DURING THE FIRST YEAR AFTER INSTALLATION.

11. DIAMOND GRADE MATERIAL SHALL BE USED ON ALL STOP SIGNS AND OVERHEAD SIGNS. ALL OTHER ROADSIDE TRAFFIC CONTROL DEVICES SHALL USE HIGH INTENSITY GRADE SHEETING. NO FLUORESCENT YELLOW GREEN SHEETING SHALL BE USED UNLESS SPECIFICALLY APPROVED BY THE TOWN OF PARKER.

12. ALL STREET NAME SIGNS SHALL BE HIGH INTENSITY, EXTRUDED, GREEN AND WHITE BLADES. ARTERIAL AND COLLECTOR STREET NAME SIGNS SHALL BE 9 INCH BLADES AND HAVE MIXED CASE LETTERING. LOCAL STREET NAME SIGNS SHALL BE 6 INCHES BLADES WITH MIXED CASE LETTERING.

13. ALL LAYOUTS FOR INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL BE SUBMITTED TO THE TOWN FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

14. ALL REMOVED SIGNS SHALL BE RETURNED TO THE TOWN OF PARKER.

15. CROSSWALKS: SHALL BE CONSTRUCTED USING PREFORMED THERMO-PLASTIC OR AN APPROVED EQUAL.

SHALL BE LONGITUDINAL 2 FEET BY 10 FEET (CONTINENTAL) TYPE OR OTHER APPROVED BY THE TOWN OF PARKER.

SHALL LINE UP WITH HANDICAP RAMPS. SHALL BE CENTERED WITHIN LANES AND PLACED ON LANE AND CURB LINES SO AS TO AVOID VEHICLE WHEEL PATHS.

16. ALL PAVEMENT MARKING MATERIAL (INCLUDING WORDS AND SYMBOLS) SHALL BE AS FOLLOWS:

FOR CONCRETE SURFACE:

LONG LINE MARKINGS (CHANNELIZATION LINES, SKIPS, ETC.) SHALL BE EPOXY PAINT. OTHER PAINT MAY BE USED FOR TEMPORARY APPLICATION ONLY WHEN APPROVED BY THE TOWN OF PARKER.

WORDS, SYMBOLS, AND CROSSWALKS/STOP BARS SHALL BE METHYL-MYTHACRALATE, PREFORMED THERMOPLASTIC (90 MIL), PREFORMED PLASTIC (90 MIL), INLAYED TAPE (STAMARK), OR AS SPECIFIED.

(SAND OR WATER BLAST CURING COMPOUND PRIOR TO INSTALLATION OF MARKINGS.)

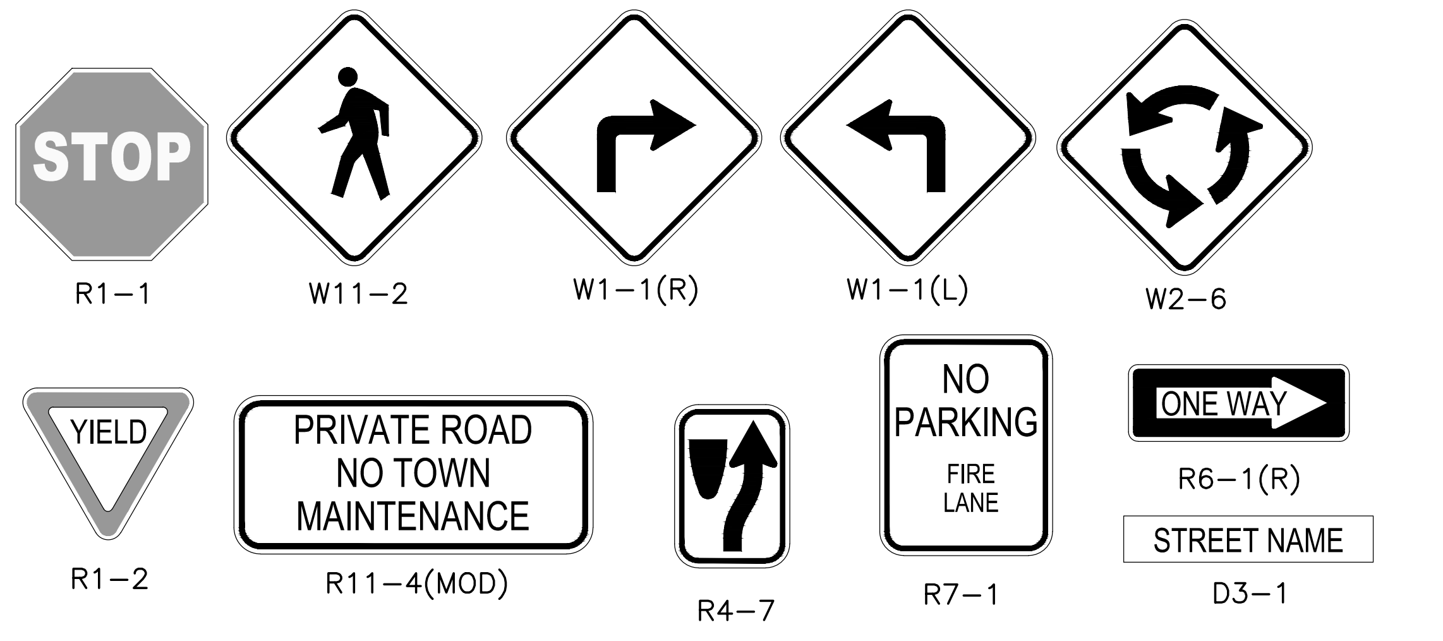
FOR ASPHALT SURFACE:

LONG LINE MARKINGS (CHANNELIZATION LINES, SKIPS, ETC.) SHALL BE EPOXY PAINT. OTHER PAINT MAY BE USED FOR TEMPORARY APPLICATION ONLY WHEN APPROVED BY THE TOWN OF PARKER.

WORDS, SYMBOLS, AND CROSSWALKS/STOP BARS SHALL BE HOT APPLIED THERMOPLASTIC (90 MIL), PREFORMED PLASTIC (90 MIL), INLAYED TAPE (STAMARK), METHYL-MYTHACRALATE, OR AS SPECIFIED.

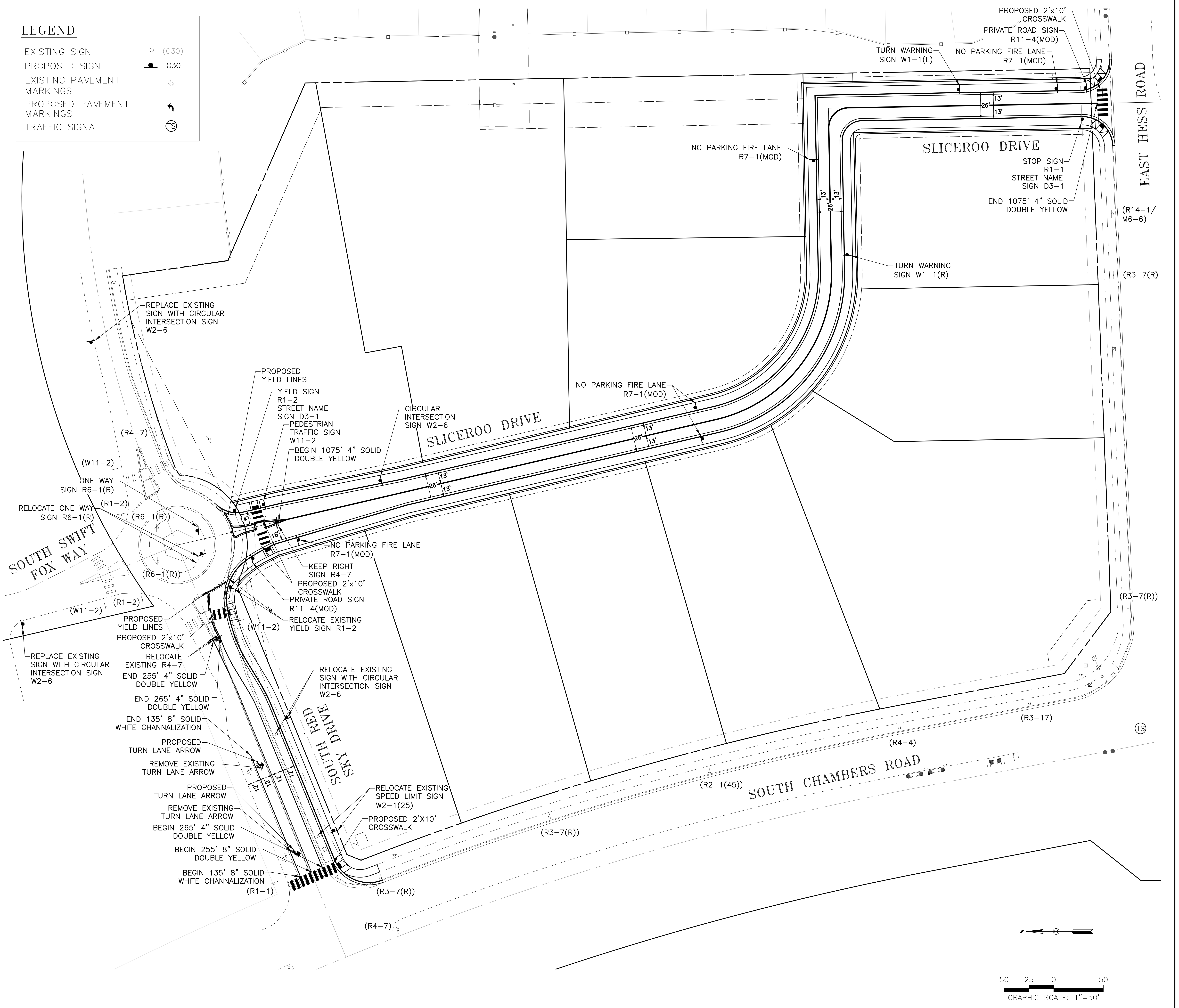
17. INSPECTION AND APPROVAL OF STRIPING AND CROSSWALK LAYOUT TO BE DONE BY TOWN OF PARKER DEVELOPMENT REVIEW ENGINEER (CALL 303-840-9546) PRIOR TO APPLICATION OF FINAL STRIPING.

PROPOSED SIGNS THIS SHEET:


STOP
R1-1
W11-2
W1-1(R)
W1-1(L)
W2-6
YIELD
R1-2
PRIVATE ROAD
NO TOWN
MAINTENANCE
R11-4(MOD)
R4-7
NO
PARKING
FIRE
LANE
R7-1
ONE WAY
R6-1(R)
STREET NAME
D3-1

LEGEND

EXISTING SIGN	(C30)
PROPOSED SIGN	C30
EXISTING PAVEMENT MARKINGS	↰
PROPOSED PAVEMENT MARKINGS	↰
TRAFFIC SIGNAL	(TS)


SLICEROO DRIVE
SLICEROO DRIVE
EAST HESS ROAD
SOUTH CHAMBERS ROAD
SOUTH SWIFT FOX WAY
SOUTH RED SKY DRIVE
PROPOSED 2'x10' CROSSWALK
PRIVATE ROAD SIGN R11-4(MOD)
TURN WARNING SIGN W1-1(L)
NO PARKING FIRE LANE R7-1(MOD)
NO PARKING FIRE LANE R7-1(MOD)
STOP SIGN R1-1
STREET NAME SIGN D3-1
END 1075' 4" SOLID DOUBLE YELLOW
(R14-1/ M6-6)
TURN WARNING SIGN W1-1(R)
(R3-7(R))
NO PARKING FIRE LANE R7-1(MOD)
REPLACE EXISTING SIGN WITH CIRCULAR INTERSECTION SIGN W2-6
PROPOSED YIELD LINES
YIELD SIGN R1-2
STREET NAME SIGN D3-1
PEDESTRIAN TRAFFIC SIGN W11-2
BEGIN 1075' 4" SOLID DOUBLE YELLOW
CIRCULAR INTERSECTION SIGN W2-6
(R4-7)
(W11-2)
ONE WAY SIGN R6-1(R)
RELOCATE ONE WAY SIGN R6-1(R)
(R1-2)
(R6-1(R))
(R6-1(R))
NO PARKING FIRE LANE R7-1(MOD)
KEEP RIGHT SIGN R4-7
PROPOSED 2'x10' CROSSWALK
PRIVATE ROAD SIGN R11-4(MOD)
RELOCATE EXISTING YIELD SIGN R1-2
(R1-2)
(W11-2)
(W11-2)
REPLACE EXISTING SIGN WITH CIRCULAR INTERSECTION SIGN W2-6
PROPOSED YIELD LINES
PROPOSED 2'x10' CROSSWALK
RELOCATE EXISTING R4-7
END 255' 4" SOLID DOUBLE YELLOW
END 265' 4" SOLID DOUBLE YELLOW
END 135' 8" SOLID WHITE CHANNALIZATION
PROPOSED TURN LANE ARROW
REMOVE EXISTING TURN LANE ARROW
PROPOSED TURN LANE ARROW
REMOVE EXISTING TURN LANE ARROW
BEGIN 265' 4" SOLID DOUBLE YELLOW
BEGIN 255' 8" SOLID DOUBLE YELLOW
BEGIN 135' 8" SOLID WHITE CHANNALIZATION
(R1-1)
RELOCATE EXISTING SIGN WITH CIRCULAR INTERSECTION SIGN W2-6
RELOCATE EXISTING SPEED LIMIT SIGN W2-1(25)
PROPOSED 2'X10' CROSSWALK
(R3-7(R))
(R4-7)
(R3-7(R))
(R2-1(45))
(R4-4)
(R3-17)
(R3-7(R))
13'
13'
26'
4'
16'
12'
12'
12'
12'
50 25 0 50
GRAPHIC SCALE: 1"=50'

ROADWAY & STORM DRAIN PLANS FOR
DOUGLAS 234
FILING, NO. 6
DOUGLAS COUNTY, COLORADO

RICK
ENGINEERING COMPANY
9801 EAST EASTER AVE
CENTENNIAL, CO 80112
303.537.8020
Tucson - San Diego - Riverside - Orange
Sacramento - San Luis Obispo - Phoenix
rickengineering.com

COLORADO LICENSED PROFESSIONAL ENGINEER
BRIAN R. STEPHENSON
48708

811 Know what's below. Call before you dig.

REVISIONS:

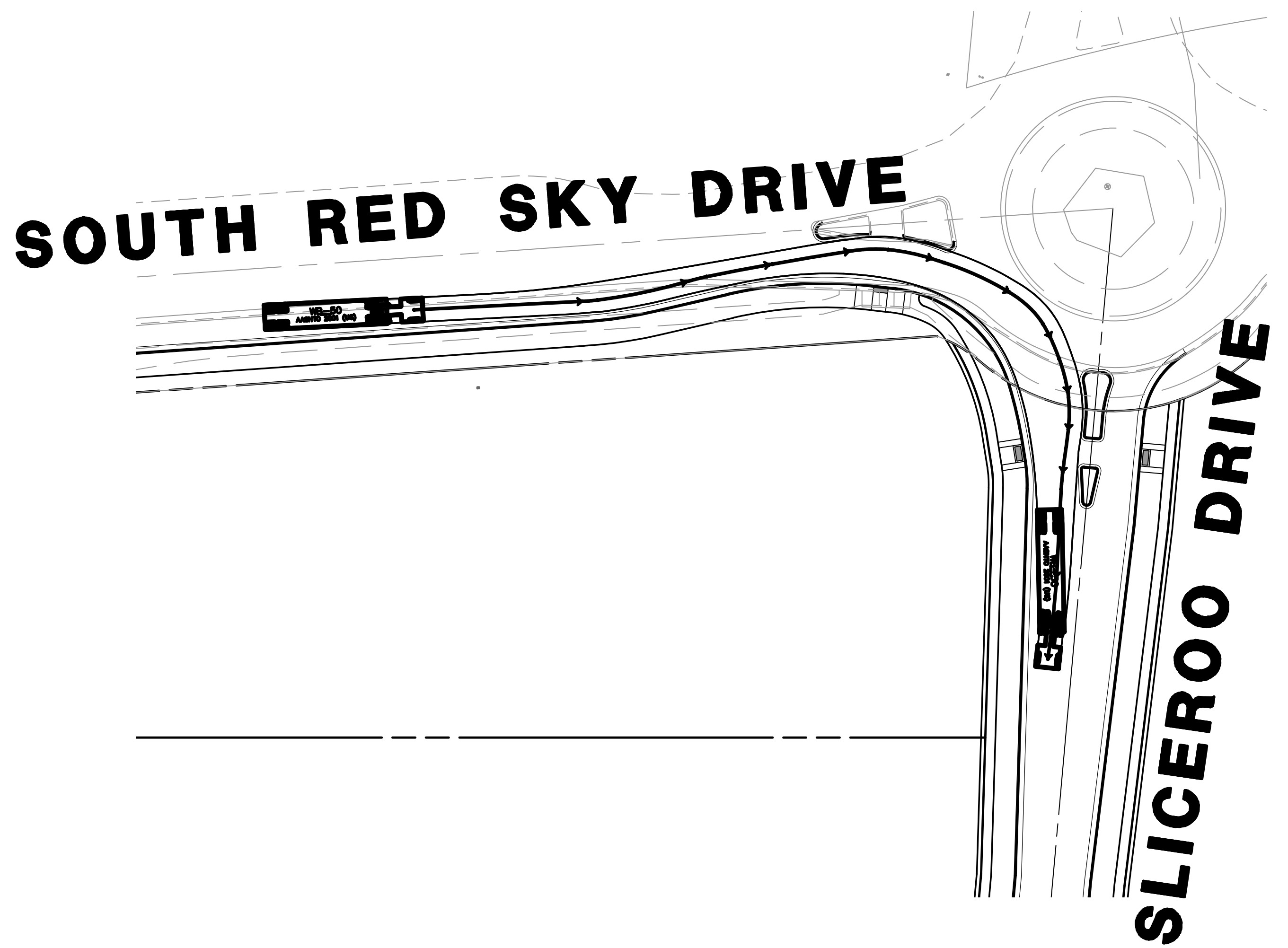
NO.	DESCRIPTION	DATE:
-	-	-

SCALE:	1"=50'
DATE:	9/14/2020
DRAWN BY:	JP
CHECKED BY:	AE
JOB NO:	D01173-A

SIGNING & STRIPING

PROJECT NO.
D01173-A
DRAWING NO.
19
SHEET NO. 19 OF 25 SHEETS

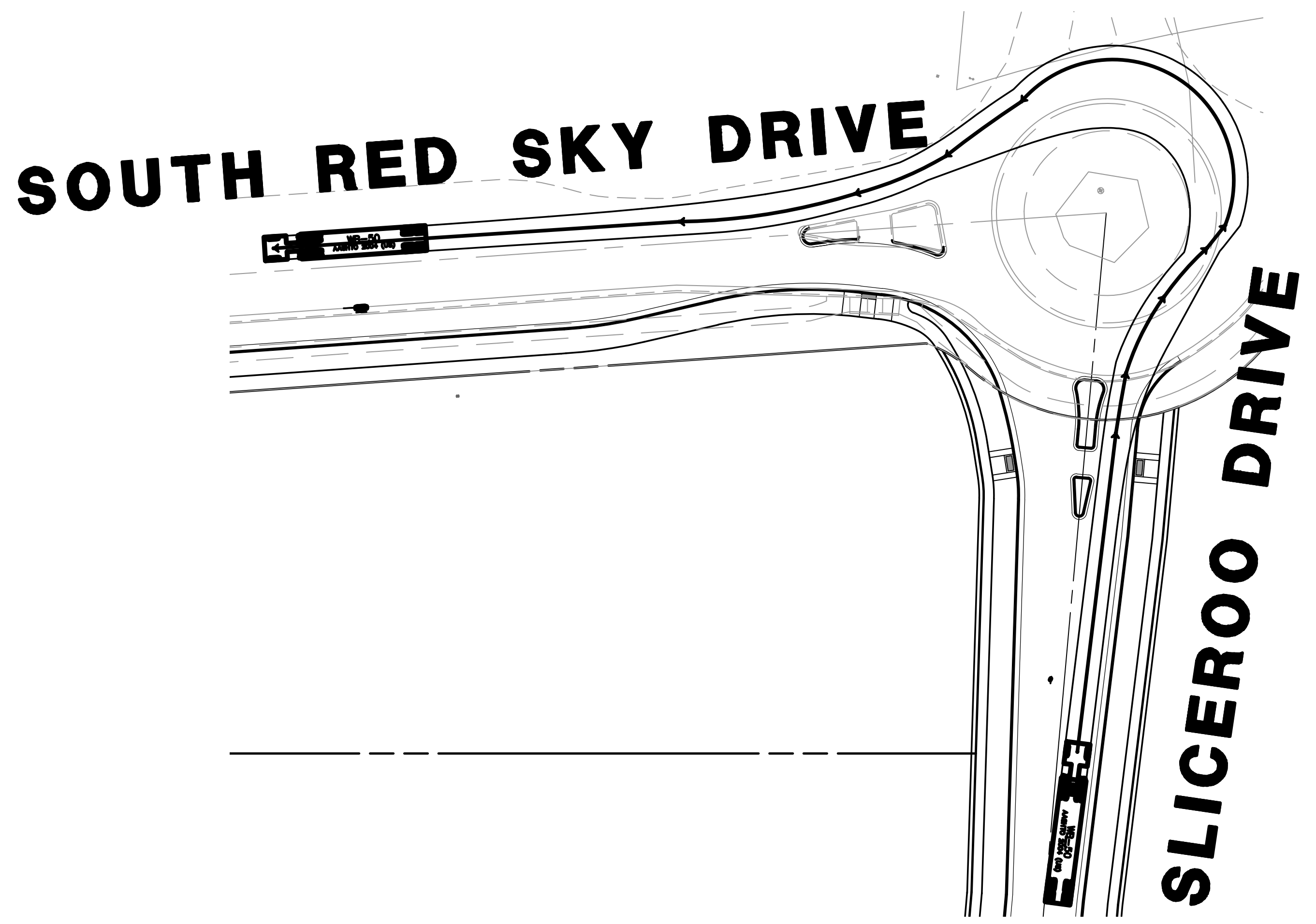
PRELIMINARY
NOT FOR CONSTRUCTION



S. RED SKY DR – TRUCK TURNING ENTRANCE

SCALE: 1" = 50'

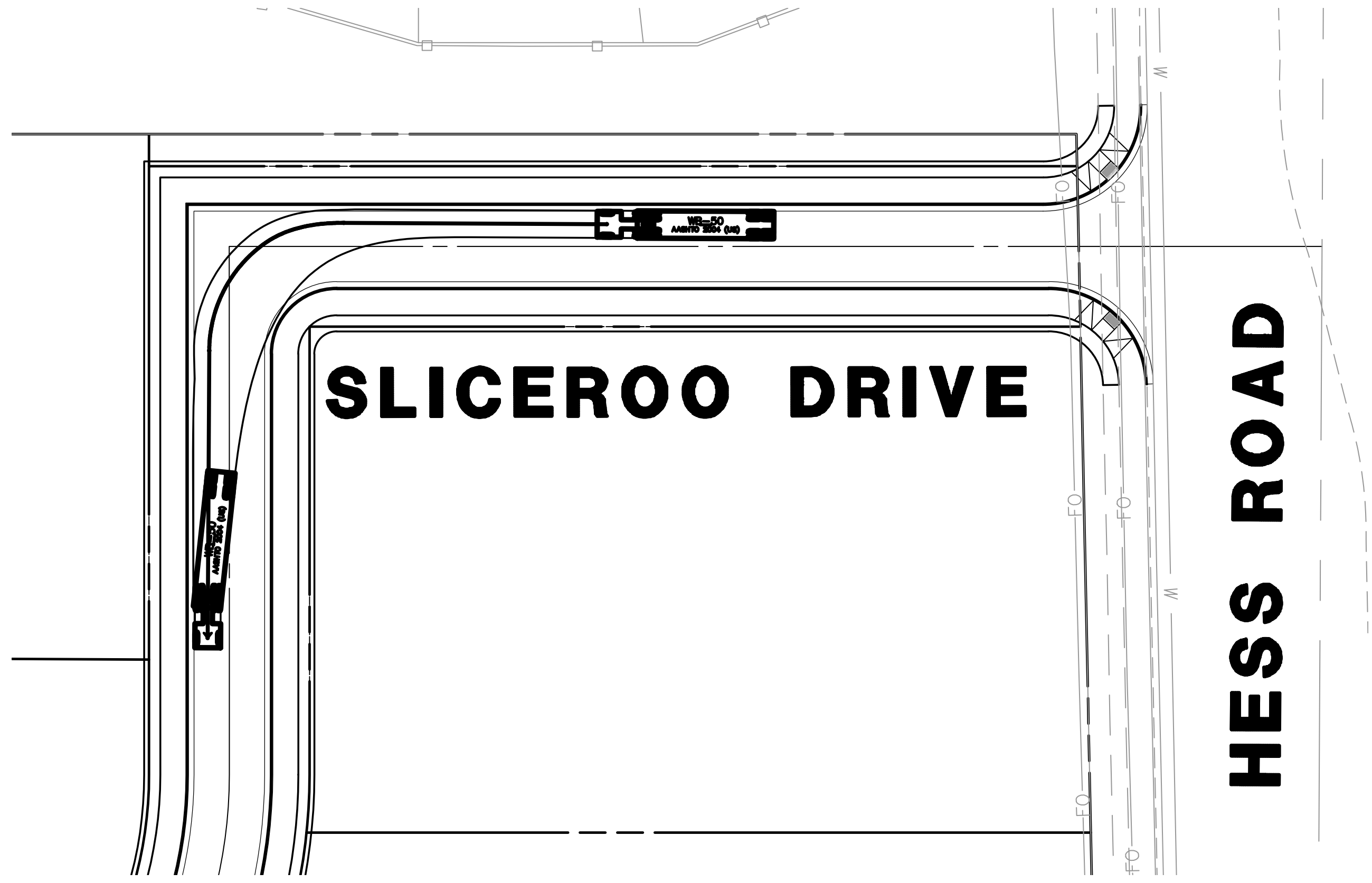
50 25 0 50
GRAPHIC SCALE: 1"=50'



S. RED SKY DR – TRUCK TURNING EXIT

SCALE: 1" = 50'

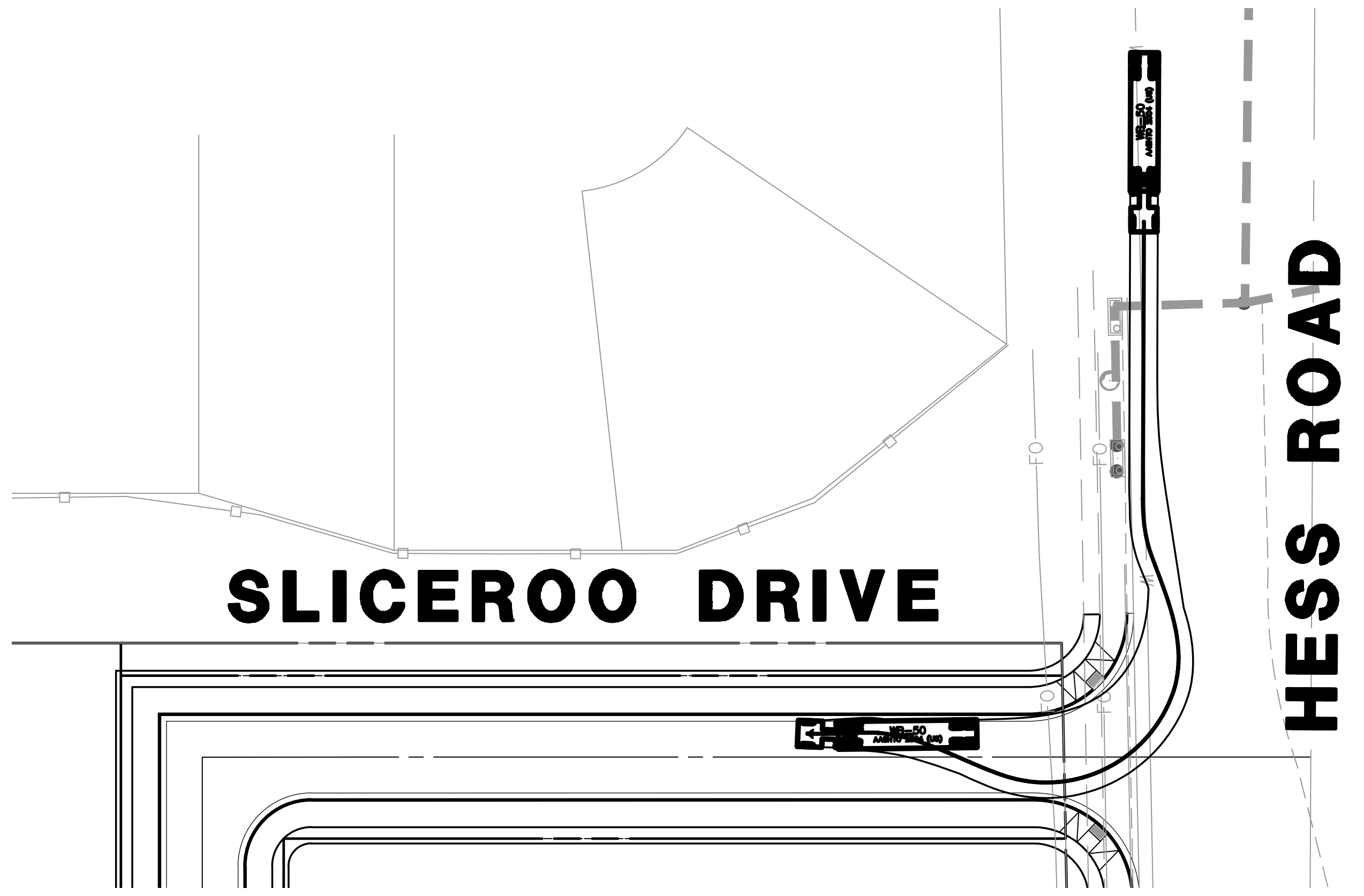
50 25 0 50
GRAPHIC SCALE: 1"=50'



SLICEROO DR – TRUCK TURNING MOVEMENT

SCALE: 1" = 50'

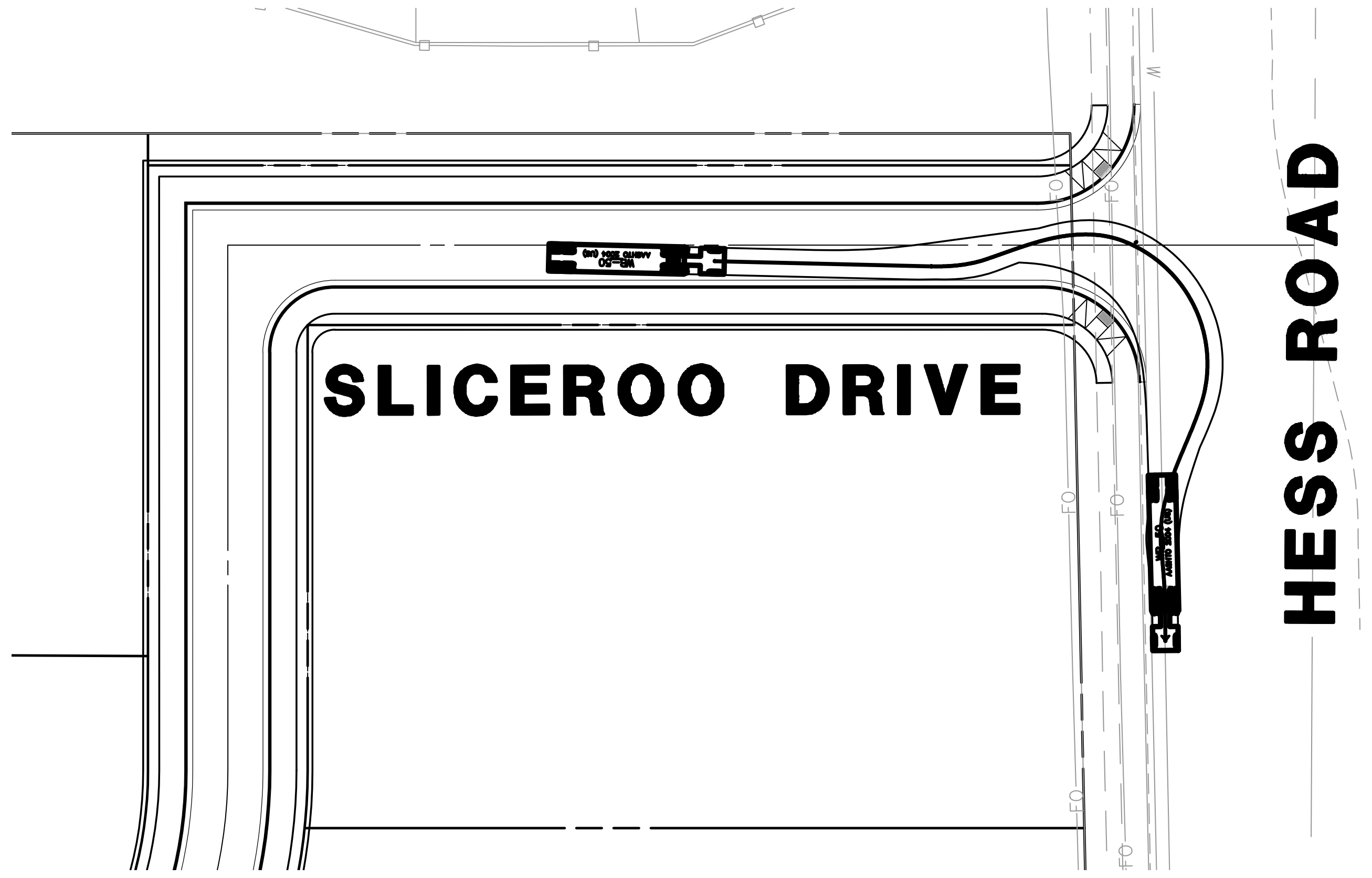
50 25 0 50
GRAPHIC SCALE: 1"=50'



HESS RD – TRUCK TURNING ENTRANCE

SCALE: 1" = 50'

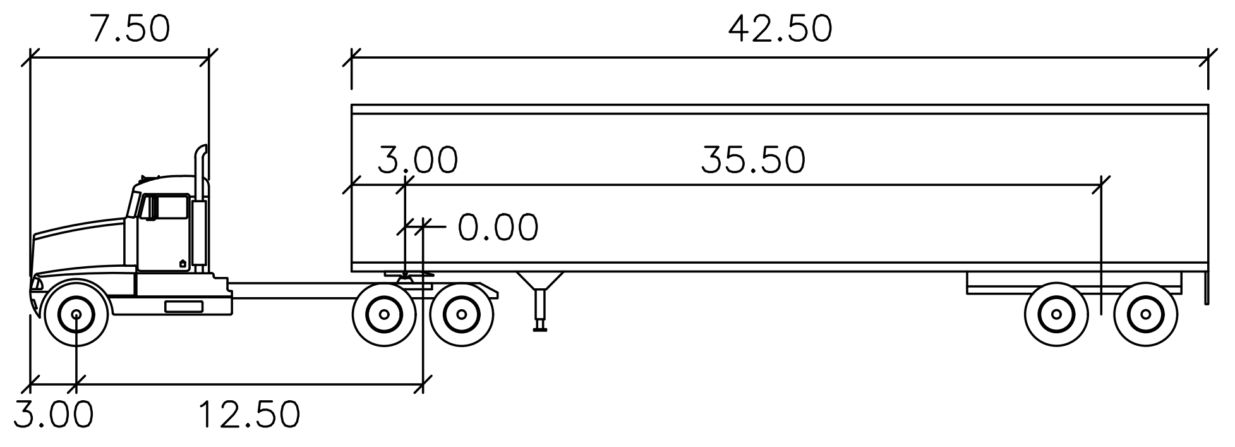
50 25 0 50
GRAPHIC SCALE: 1"=50'



HESS RD – TRUCK TURNING EXIT

SCALE: 1" = 50'

50 25 0 50
GRAPHIC SCALE: 1"=50'



WB–50

feet

Tractor Width : 8.00
Trailer Width : 8.50
Tractor Track : 8.00
Trailer Track : 8.50

Lock to Lock Time : 6.0
Steering Angle : 17.7
Articulating Angle : 70.0

WB–50 VEHICLE PROFILE

SCALE: N.T.S.

TOWN OF PARKER APPROVALS

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH THE TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATION. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

THIS REVIEW DOES NOT CONSTITUTE APPROVAL OF ANY PRIVATE ON–SITE IMPROVEMENTS WHICH MAY BE SHOWN. CONSTRUCTION CANNOT COMMENCE UNTIL ALL REQUIRED DRAINAGE/TRAFFIC REPORT(S), FINAL DEVELOPMENT PLAN(S), SPECIAL REVIEW(S), GRADING PERMIT, AND/OR OTHER PERMITS ARE COMPLETE, APPROVED AND ON FILE WITH THE TOWN OF PARKER.

____
TOWN OF PARKER, DIRECTOR OF ENGINEERING DATE

C:\RICK\Projects\D_CEN_L\1173_Chambers&Hess\Civil\Plans\RoadwayStormDrain\18 TRUCK TURNING TEMPLATES.dwg 2020-09-14 – 11:37PM – jscanlon

ROADWAY & STORM DRAIN PLANS FOR
DOUGLAS 234
FILING, NO. 6
DOUGLAS COUNTY, COLORADO

RICK ENGINEERING COMPANY
9801 EAST EASTER AVE
CENTENNIAL, CO 80112
303.537.8020
Tucson - San Diego - Riverside - Orange
Sacramento - San Luis Obispo - Phoenix
rickengineering.com

811 Know what's below. Call before you dig.

REVISIONS:

NO.	DESCRIPTION	DATE:
△	-	-

SCALE: 1" = 10'
DATE: 9/14/2020
DRAWN BY: WD
CHECKED BY: JS
JOB NO: D01173–A

TRUCK TURNING TEMPLATES

PROJECT NO. D01173–A
DRAWING NO. 20
SHEET NO. 20 OF 25 SHEETS

PRELIMINARY
NOT FOR CONSTRUCTION

STORM SEWER NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION, AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
2. REFER TO GENERAL NOTES ON SHEET 2 FOR ALL APPLICABLE CONSTRUCTION STANDARDS.
3. ALL STATIONING OFFSETS ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED. REFER TO FINAL PLAT FOR RIGHT-OF-WAY AND CENTERLINE DIMENSIONS AND HORIZONTAL CONTROL.
4. RIM ELEVATIONS GIVEN FOR ALL TYPE-R INLETS IN CURB LINE ARE TOP-OF-CURB (OR FRONT TOP OF INLET) ELEVATIONS. STATIONS AND OFFSETS SHOWN IN PROFILE FOR TYPE-R INLETS ARE AT CENTER OF INLET.
5. ALL STORM SEWER PIPE LENGTHS ARE TO CENTER OF STRUCTURE FOR MANHOLES AND TO THE INSIDE OF THE CONCRETE BOX FOR TYPE-R AND TYPE-C INLETS.
6. ALL WATER MAIN CROSSINGS WITH STORM SEWER AND SANITARY SEWER SHALL HAVE A MINIMUM OF 18" CLEAR DISTANCE, VERTICAL. PIPE PROTECTION AT ALL CROSSINGS SHALL BE PROVIDED PER TOWN OF PARKER AND STATE SPECIFICATIONS.
7. ALL STORM SEWER SHALL BE RCP CLASS III UNLESS OTHERWISE NOTED.

TOWN OF PARKER APPROVALS

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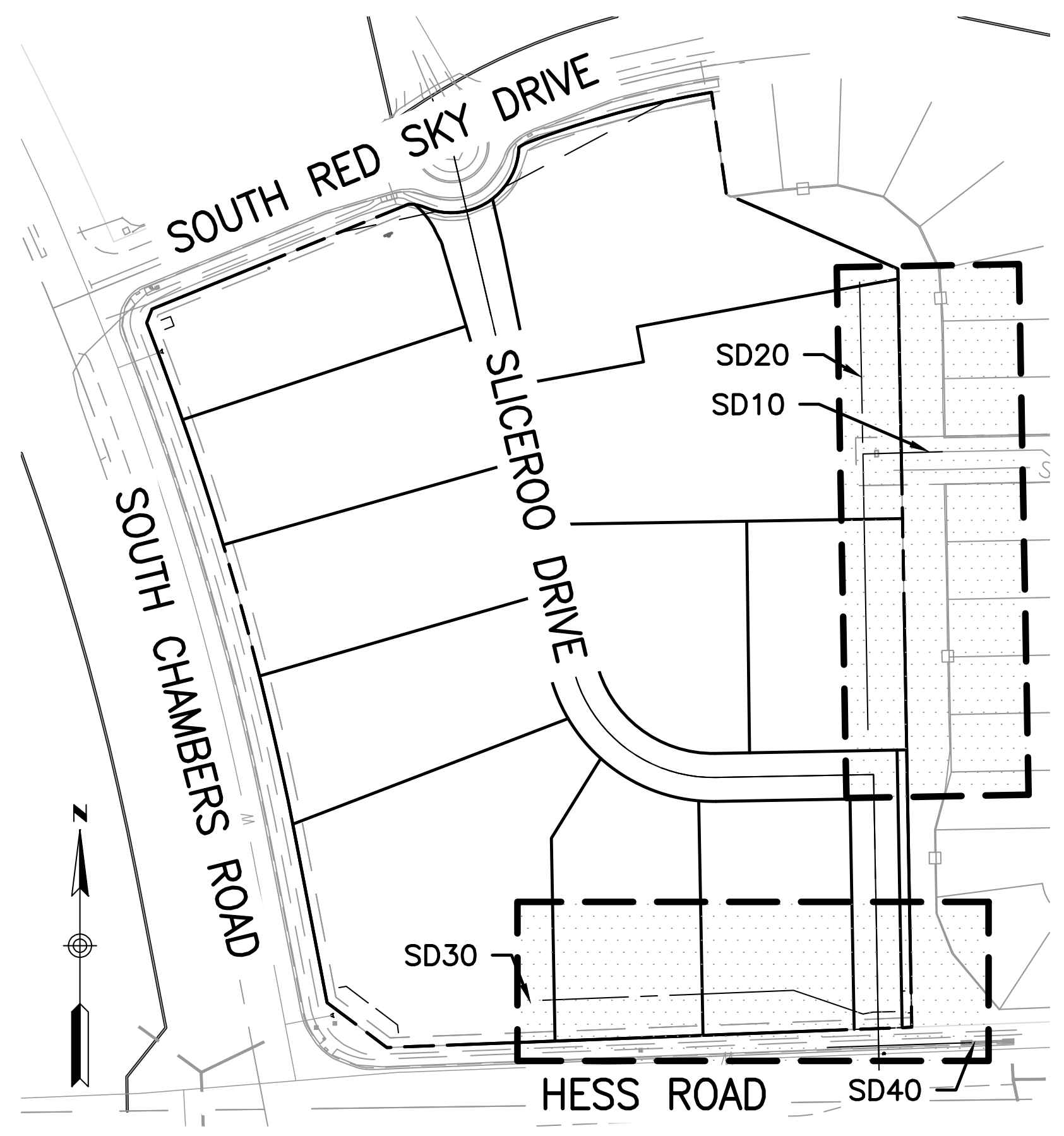
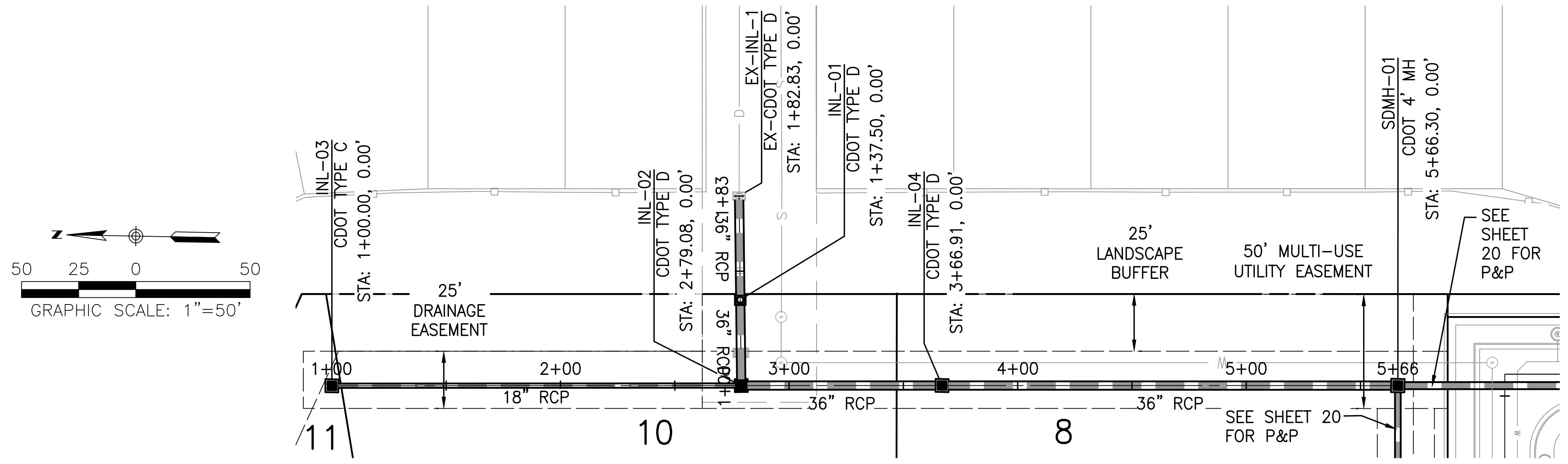
TOWN OF PARKER, DIRECTOR OF ENGINEERING DATE


SOUTH RED SKY DRIVE
SOUTH CHAMBERS ROAD
SLICEROO DRIVE
SD20
SD10
SD30
SD40
HESS ROAD

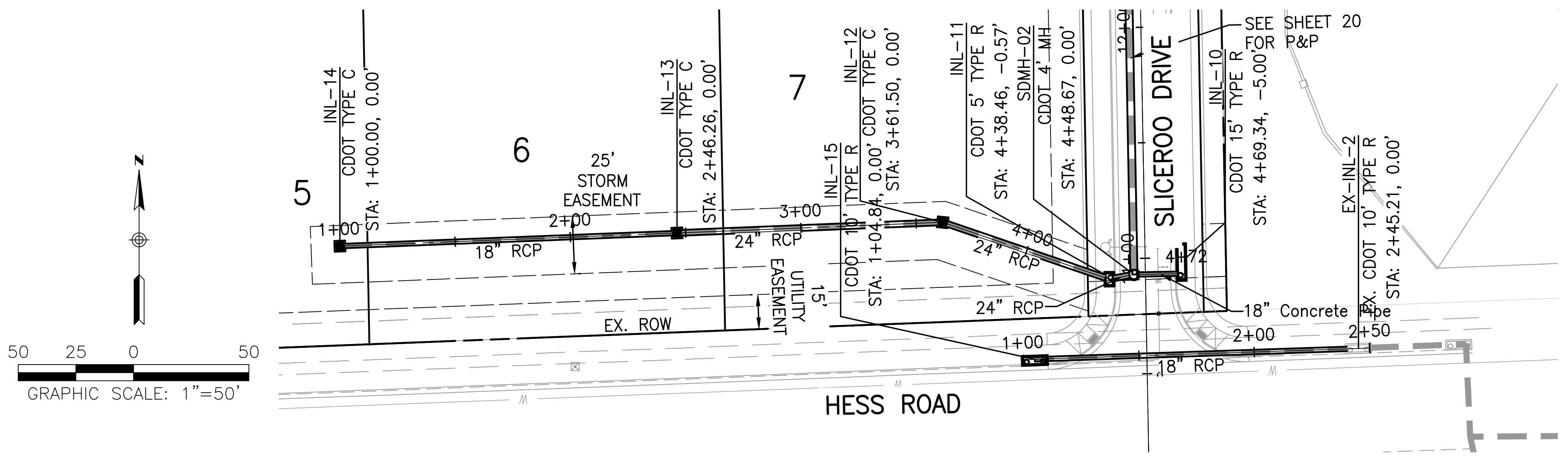
KEY MAP

SCALE: HORIZ. 1" = 200'


INL-03
CDOT TYPE C
STA: 1+00.00, 0.00'
INL-02
CDOT TYPE D
STA: 2+79.08, 0.00'
36" RCP
1+83
EX-INL-1
EX-CDOT TYPE D
STA: 1+82.83, 0.00'
INL-01
CDOT TYPE D
STA: 1+37.50, 0.00'
INL-04
CDOT TYPE D
STA: 3+66.91, 0.00'
SDMH-01
CDOT 4' MH
STA: 5+66.30, 0.00'
25' DRAINAGE EASEMENT
25' LANDSCAPE BUFFER
50' MULTI-USE UTILITY EASEMENT
SEE SHEET 20 FOR P&P
1+00
2+00
3+00
4+00
5+00
5+66
18" RCP
36" RCP
36" RCP
SEE SHEET 20 FOR P&P
11
10
8
50 25 0 50
GRAPHIC SCALE: 1"=50'

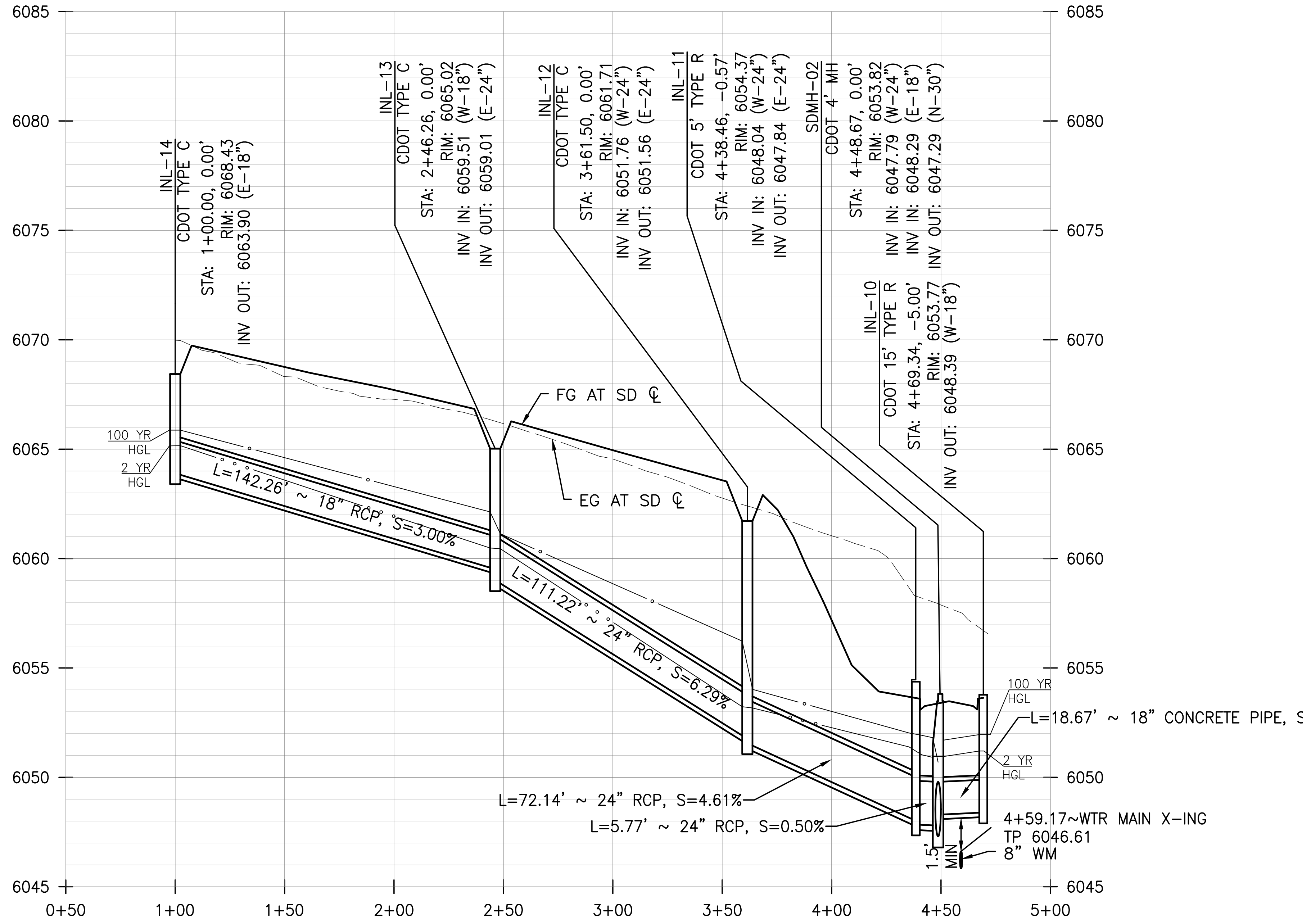
PLAN - SD10 & SD20

SCALE: HORIZ. 1" = 50'


INL-14
CDOT TYPE C
STA: 1+00.00, 0.00'
INL-13
CDOT TYPE C
STA: 2+46.26, 0.00'
INL-15
CDOT 10' TYPE R
STA: 1+04.84, 0.00'
INL-12
CDOT TYPE C
STA: 3+61.50, 0.00'
INL-11
CDOT 5' TYPE R
STA: 4+38.46, -0.57'
SDMH-02
CDOT 4' MH
STA: 4+48.67, 0.00'
INL-10
CDOT 15' TYPE R
STA: 4+69.34, -5.00'
EX-INL-2
EX. CDOT 10' TYPE R
STA: 2+45.21, 0.00'
SEE SHEET 20 FOR P&P
5
6
7
25' STORM EASEMENT
15' UTILITY EASEMENT
EX. ROW
1+00
2+00
3+00
4+00
18" RCP
24" RCP
24" RCP
24" RCP
18" Concrete Pipe
18" RCP
SLICEROO DRIVE
HESS ROAD
50 25 0 50
GRAPHIC SCALE: 1"=50'

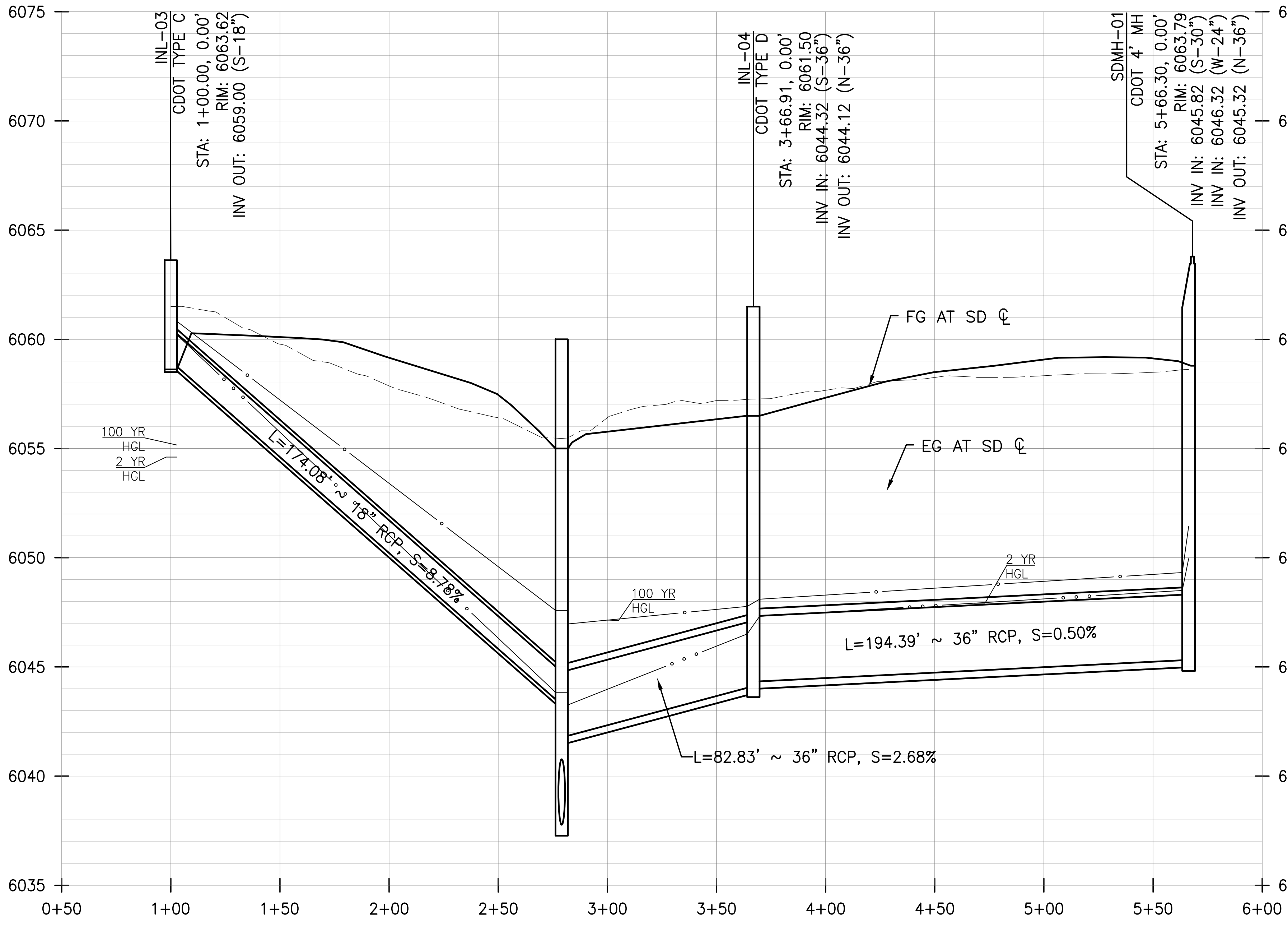
PLAN - SD30 & SD40

SCALE: HORIZ. 1" = 50'


INL-14
CDOT TYPE C
STA: 1+00.00, 0.00'
RIM: 6068.43
INV OUT: 6063.90 (E-18")
INL-13
CDOT TYPE C
STA: 2+46.26, 0.00'
RIM: 6065.02
INV IN: 6059.51 (W-18")
INV OUT: 6059.01 (E-24")
INL-12
CDOT TYPE C
STA: 3+61.50, 0.00'
RIM: 6061.71
INV IN: 6051.76 (W-24")
INV OUT: 6051.56 (E-24")
INL-11
CDOT 5' TYPE R
STA: 4+38.46, -0.57'
RIM: 6054.37
INV IN: 6048.04 (W-24")
INV OUT: 6047.84 (E-24")
SDMH-02
CDOT 4' MH
STA: 4+48.67, 0.00'
RIM: 6053.82
INV IN: 6047.79 (W-24")
INV IN: 6048.29 (E-18")
INV OUT: 6047.29 (N-30")
INL-10
CDOT 15' TYPE R
STA: 4+69.34, -5.00'
RIM: 6053.77
INV OUT: 6048.39 (W-18")
FG AT SD ℄
EG AT SD ℄
100 YR HGL
2 YR HGL
L=142.26' ~ 18" RCP, S=3.00%
L=111.22' ~ 24" RCP, S=6.29%
L=72.14' ~ 24" RCP, S=4.61%
L=5.77' ~ 24" RCP, S=0.50%
L=18.67' ~ 18" CONCRETE PIPE, S
4+59.17~WTR MAIN X-ING
TP 6046.61
8" WM
1.5' MIN
6085
6080
6075
6070
6065
6060
6055
6050
6045
0+50
1+00
1+50
2+00
2+50
3+00
3+50
4+00
4+50
5+00

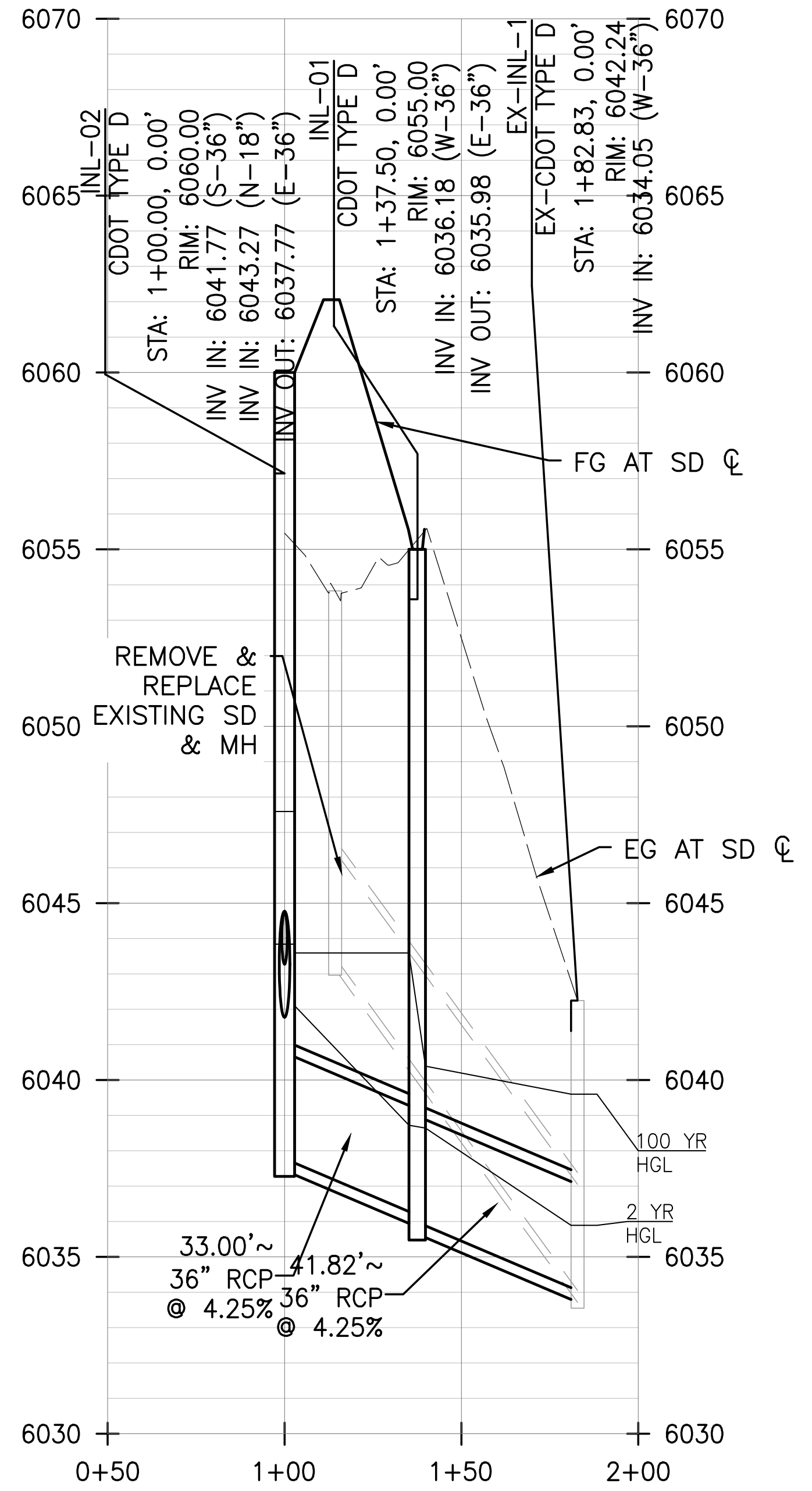
PROFILE - SD30

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


INL-03
CDOT TYPE C
STA: 1+00.00, 0.00'
RIM: 6063.62
INV OUT: 6059.00 (S-18")
INL-04
CDOT TYPE D
STA: 3+66.91, 0.00'
RIM: 6061.50
INV IN: 6044.32 (S-36")
INV OUT: 6044.12 (N-36")
SDMH-01
CDOT 4' MH
STA: 5+66.30, 0.00'
RIM: 6063.79
INV IN: 6045.82 (S-30")
INV IN: 6046.32 (W-24")
INV OUT: 6045.32 (N-36")
FG AT SD ℄
EG AT SD ℄
100 YR HGL
2 YR HGL
L=174.08' ~ 18" RCP, S=8.78%
L=194.39' ~ 36" RCP, S=0.50%
L=82.83' ~ 36" RCP, S=2.68%
6075
6070
6065
6060
6055
6050
6045
6040
6035
0+50
1+00
1+50
2+00
2+50
3+00
3+50
4+00
4+50
5+00
5+50
6+00

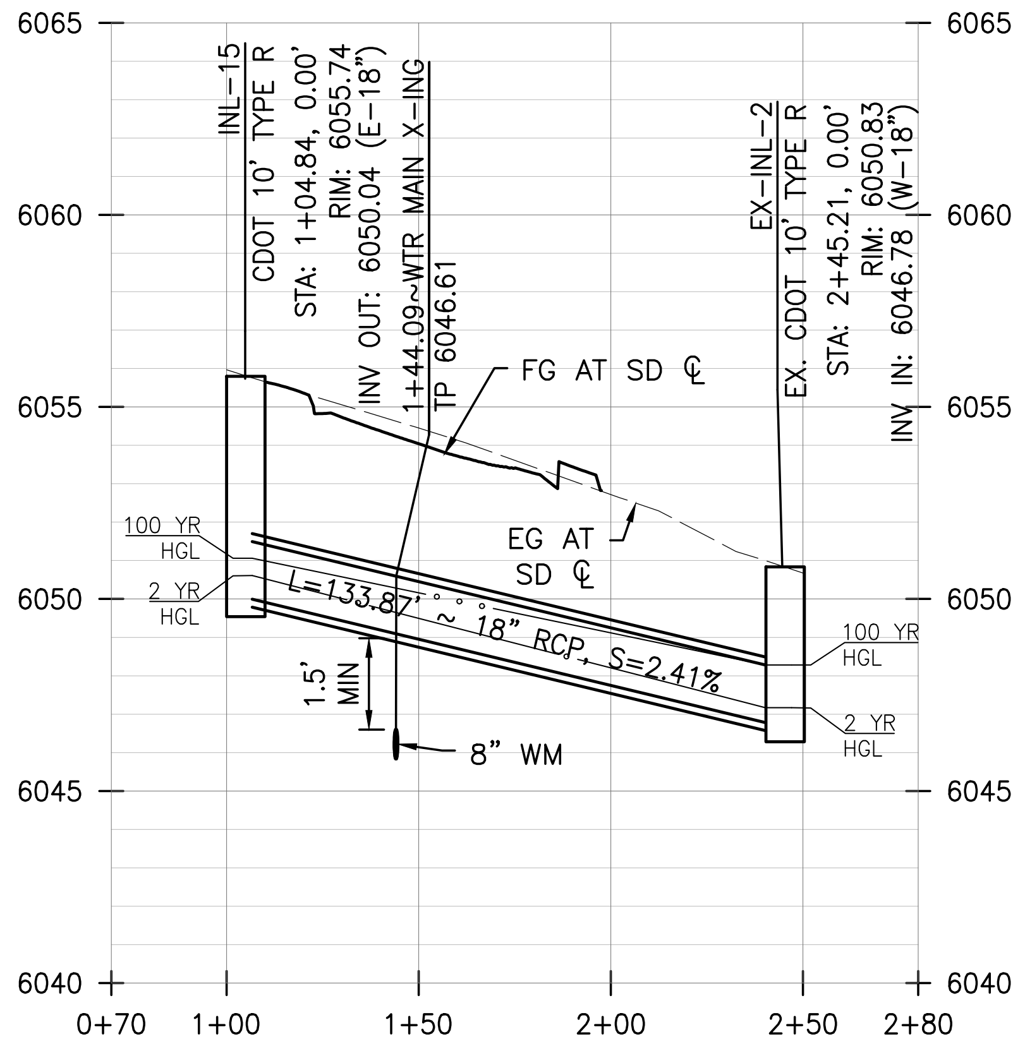
PROFILE - SD20

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


INL-02
CDOT TYPE D
STA: 1+00.00, 0.00'
RIM: 6060.00
INV IN: 6041.77 (S-36")
INV IN: 6043.27 (N-18")
INV OUT: 6037.77 (E-36")
INL-01
CDOT TYPE D
STA: 1+37.50, 0.00'
RIM: 6055.00
INV IN: 6036.18 (W-36")
INV OUT: 6035.98 (E-36")
EX-INL-1
EX-CDOT TYPE D
STA: 1+82.83, 0.00'
RIM: 6042.24
INV IN: 6034.05 (W-36")
FG AT SD ℄
EG AT SD ℄
REMOVE & REPLACE EXISTING SD & MH
100 YR HGL
2 YR HGL
33.00' ~ 36" RCP @ 4.25%
41.82' ~ 36" RCP @ 4.25%
6070
6065
6060
6055
6050
6045
6040
6035
6030
0+50
1+00
1+50
2+00

PROFILE - SD10

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


INL-15
CDOT 10' TYPE R
STA: 1+04.84, 0.00'
RIM: 6055.74
INV OUT: 6050.04 (E-18")
1+44.09~WTR MAIN X-ING
TP 6046.61
EX-INL-2
EX. CDOT 10' TYPE R
STA: 2+45.21, 0.00'
RIM: 6050.83
INV IN: 6046.78 (W-18")
FG AT SD ℄
EG AT SD ℄
100 YR HGL
2 YR HGL
L=133.87' ~ 18" RCP, S=2.41%
1.5' MIN
8" WM
6065
6060
6055
6050
6045
6040
0+70
1+00
1+50
2+00
2+50
2+80

PROFILE - SD40

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

ROADWAY & STORM DRAIN PLANS FOR
DOUGLAS 234
FILING, NO. 6

DOUGLAS COUNTY, COLORADO

RICK
ENGINEERING COMPANY
9801 EAST EASTER AVE
CENTENNIAL, CO 80112
303.537.8020
Tucson - San Diego - Riverside - Orange
Sacramento - San Luis Obispo - Phoenix
rickengineering.com

ROBERT K. FITCH
48704

811
Know what's below. Call before you dig.

REVISIONS:

NO.	DESCRIPTION	DATE:
△	-	-

SCALE: AS SHOWN
DATE: 9/14/2020
DRAWN BY: WD
CHECKED BY: JS
JOB NO: D01173-A

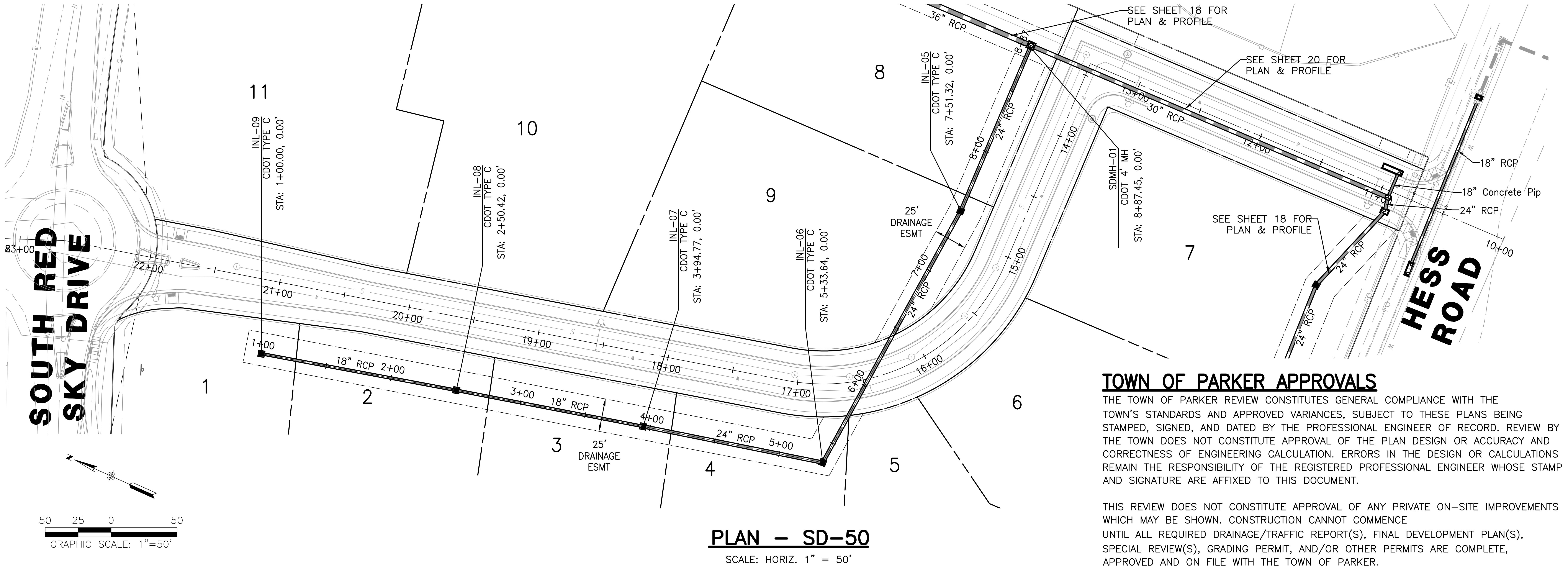
STORM DRAIN PLAN & PROFILE

PROJECT NO. D01173-A
DRAWING NO. 21
SHEET NO. 21 OF 25 SHEETS

PRELIMINARY
NOT FOR CONSTRUCTION

STORM SEWER NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION, AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
2. REFER TO GENERAL NOTES ON SHEET 2 FOR ALL APPLICABLE CONSTRUCTION STANDARDS.
3. ALL STATIONING OFFSETS ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED. REFER TO FINAL PLAT FOR RIGHT—OF—WAY AND CENTERLINE DIMENSIONS AND HORIZONTAL CONTROL.
4. RIM ELEVATIONS GIVEN FOR ALL TYPE—R INLETS IN CURB LINE ARE TOP—OF—CURB (OR FRONT TOP OF INLET) ELEVATIONS. STATIONS AND OFFSETS SHOWN IN PROFILE FOR TYPE—R INLETS ARE AT CENTER OF INLET.
5. ALL STORM SEWER PIPE LENGTHS ARE TO CENTER OF STRUCTURE FOR MANHOLES AND TO THE INSIDE OF THE CONCRETE BOX FOR TYPE—R AND TYPE—C INLETS.
6. ALL WATER MAIN CROSSINGS WITH STORM SEWER AND SANITARY SEWER SHALL HAVE A MINIMUM OF 18" CLEAR DISTANCE, VERTICAL. PIPE PROTECTION AT ALL CROSSINGS SHALL BE PROVIDED PER TOWN OF PARKER AND STATE SPECIFICATIONS.
7. ALL STORM SEWER SHALL BE RCP CLASS III UNLESS OTHERWISE NOTED.
8. A BLANKET DRAINAGE AND PUBLIC ACCESS EASEMENT IS DEDICATED ACROSS THE PRIVATE DRIVE TRACT AS SHOWN ON THE MINOR DEVELOPMENT PLAT.


SOUTH RED SKY DRIVE
HESS ROAD
83+00
22+00
21+00
20+00
19+00
18+00
17+00
16+00
15+00
14+00
13+00
12+00
11+00
10+00
1+00
2+00
3+00
4+00
5+00
6+00
7+00
8+00
8+87
18" RCP
24" RCP
30" RCP
36" RCP
18" Concrete Pip
11
10
9
8
7
6
5
4
3
2
1
INL—09
CDOT TYPE C
STA: 1+00.00, 0.00'
INL—08
CDOT TYPE C
STA: 2+50.42, 0.00'
INL—07
CDOT TYPE C
STA: 3+94.77, 0.00'
INL—06
CDOT TYPE C
STA: 5+33.64, 0.00'
INL—05
CDOT TYPE C
STA: 7+51.32, 0.00'
SDMH—01
CDOT 4' MH
STA: 8+87.45, 0.00'
25' DRAINAGE ESMT
25' DRAINAGE ESMT
SEE SHEET 18 FOR PLAN & PROFILE
SEE SHEET 20 FOR PLAN & PROFILE
SEE SHEET 18 FOR PLAN & PROFILE
50
25
0
50
GRAPHIC SCALE: 1"=50'

PLAN — SD—50

SCALE: HORIZ. 1" = 50'

TOWN OF PARKER APPROVALS

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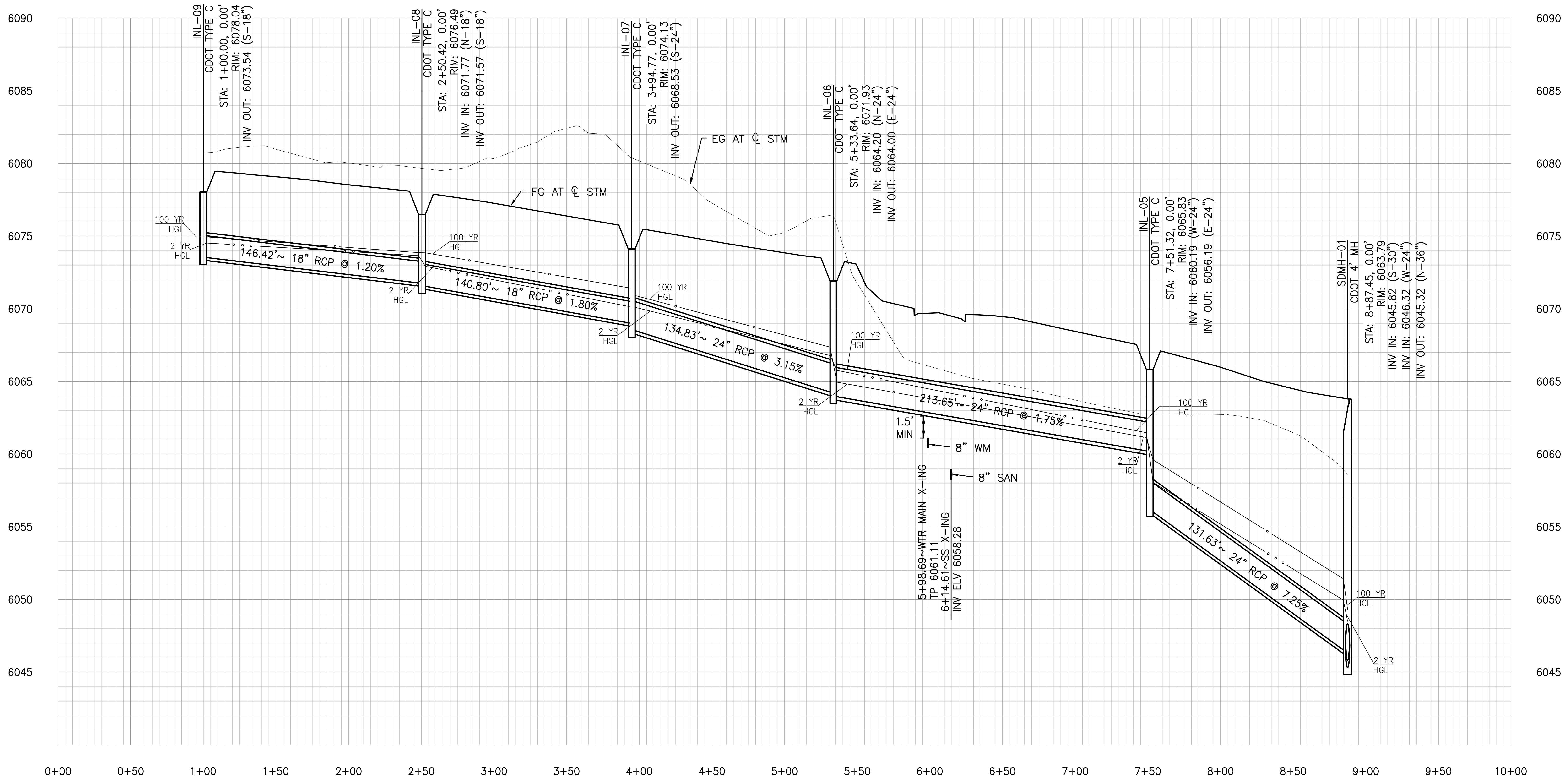
TOWN OF PARKER, DIRECTOR OF ENGINEERING DATE


6090
6085
6080
6075
6070
6065
6060
6055
6050
6045
INL—09
CDOT TYPE C
STA: 1+00.00, 0.00'
RIM: 6078.04
INV OUT: 6073.54 (S—18")
INL—08
CDOT TYPE C
STA: 2+50.42, 0.00'
RIM: 6076.49
INV IN: 6071.77 (N—18")
INV OUT: 6071.57 (S—18")
INL—07
CDOT TYPE C
STA: 3+94.77, 0.00'
RIM: 6074.13
INV OUT: 6068.53 (S—24")
INL—06
CDOT TYPE C
STA: 5+33.64, 0.00'
RIM: 6071.93
INV IN: 6064.20 (N—24")
INV OUT: 6064.00 (E—24")
INL—05
CDOT TYPE C
STA: 7+51.32, 0.00'
RIM: 6065.83
INV IN: 6060.19 (W—24")
INV OUT: 6056.19 (E—24")
SDMH—01
CDOT 4' MH
STA: 8+87.45, 0.00'
RIM: 6063.79
INV IN: 6045.82 (S—30")
INV IN: 6046.32 (W—24")
INV OUT: 6045.32 (N—36")
EG AT ℄ STM
FG AT ℄ STM
100 YR HGL
2 YR HGL
146.42'~ 18" RCP @ 1.20%
140.80'~ 18" RCP @ 1.80%
134.83'~ 24" RCP @ 3.15%
213.65'~ 24" RCP @ 1.75%
131.63'~ 24" RCP @ 7.25%
1.5' MIN
8" WM
8" SAN
5+98.69~WTR MAIN X—ING
TP 6061.11
6+14.61~SS X—ING
INV ELV 6058.28
0+00
0+50
1+00
1+50
2+00
2+50
3+00
3+50
4+00
4+50
5+00
5+50
6+00
6+50
7+00
7+50
8+00
8+50
9+00
9+50
10+00

PROFILE — SD—50

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

ROADWAY & STORM DRAIN PLANS FOR
DOUGLAS 234
FILING, NO. 6
DOUGLAS COUNTY, COLORADO

RICK™
ENGINEERING COMPANY
9801 EAST EASTER AVE
CENTENNIAL, CO 80112
303.537.8020
Tucson - San Diego - Riverside - Orange
Sacramento - San Luis Obispo - Phoenix
rickengineering.com

ROBERT K. FITCH
48704

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REVISIONS:

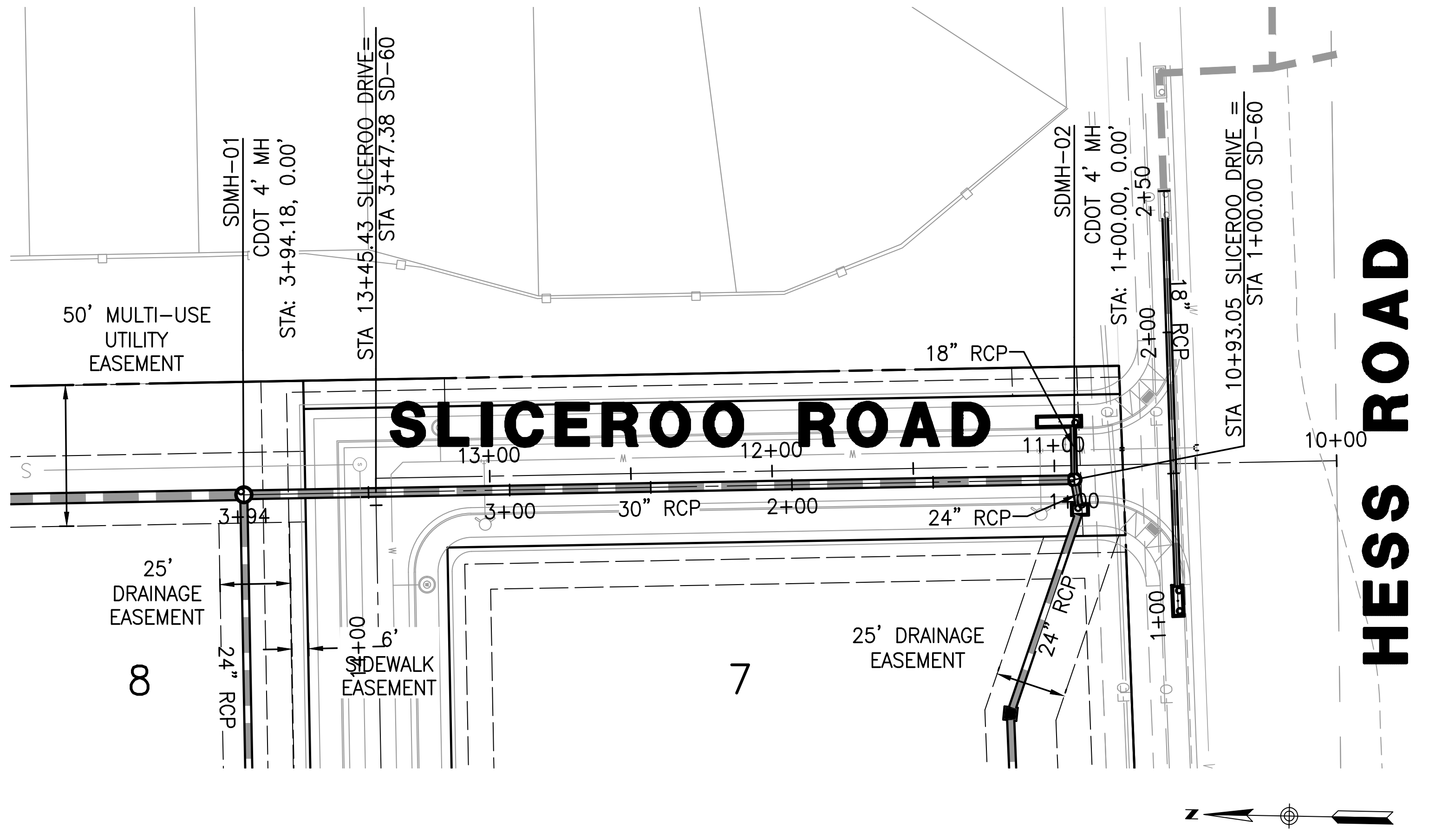
NO.	DESCRIPTION	DATE:
△	-	-

SCALE: 1" = 50'
DATE: 9/14/2020
DRAWN BY: WD
CHECKED BY: JS
JOB NO: D01173—A

STORM DRAIN PLAN & PROFILE

PROJECT NO.
D01173—A
DRAWING NO.
22
SHEET NO. 22 OF 25 SHEETS

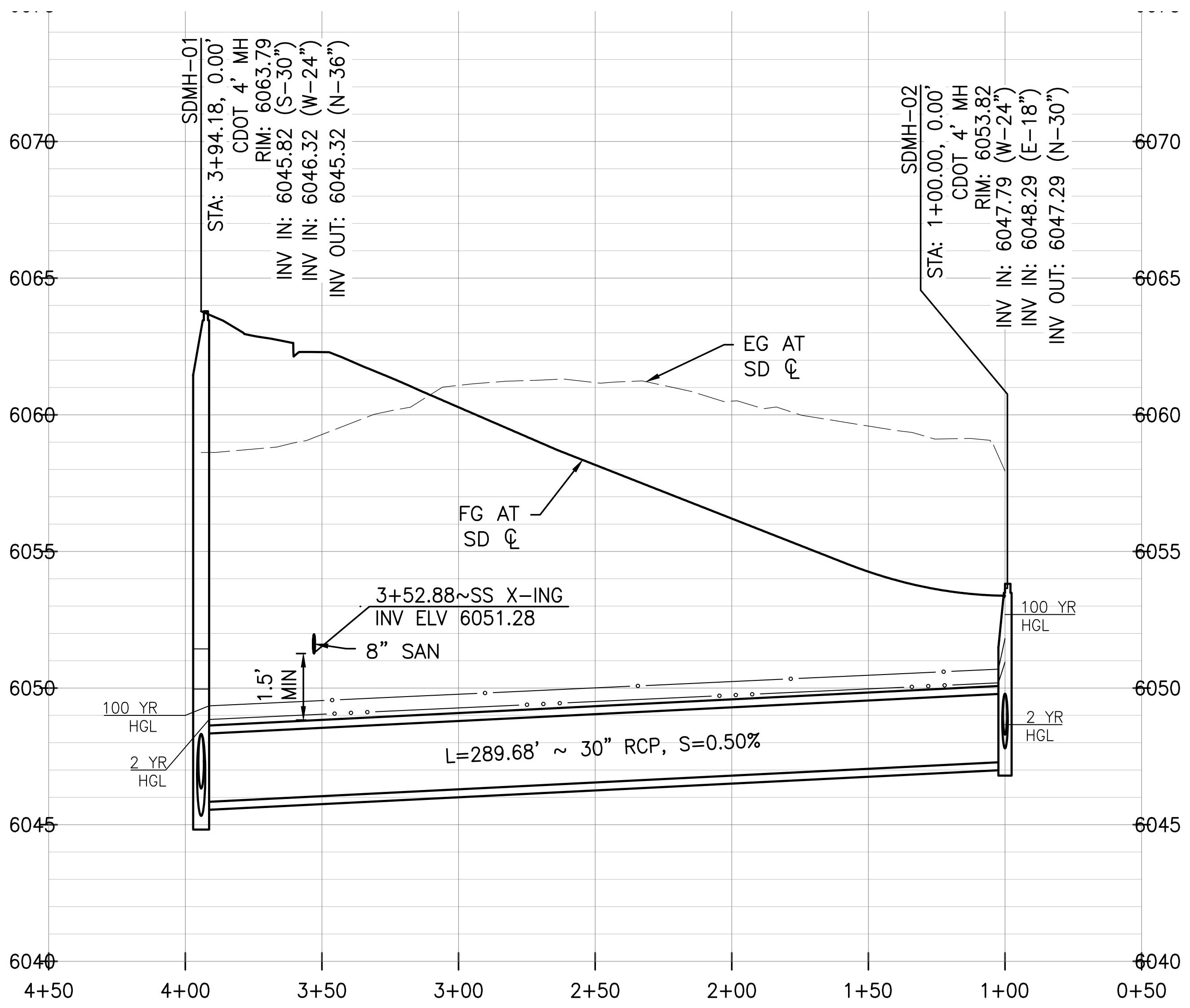
PRELIMINARY
NOT FOR CONSTRUCTION


SDMH-01
CDOT 4' MH
STA: 3+94.18, 0.00'
STA 13+45.43 SLICEROO DRIVE=
STA 3+47.38 SD-60
SDMH-02
CDOT 4' MH
STA: 1+00.00, 0.00'
STA 10+93.05 SLICEROO DRIVE =
STA 1+00.00 SD-60
50' MULTI-USE UTILITY EASEMENT
SLICEROO ROAD
HESS ROAD
18" RCP
13+00
12+00
11+00
10+00
3+94
3+00
30" RCP
2+00
24" RCP
1+00
2+50
2+00
18" RCP
25' DRAINAGE EASEMENT
24" RCP
4+00
6' SIDEWALK EASEMENT
8
7
25' DRAINAGE EASEMENT
24" RCP
1+00
N

PLAN – SD-60

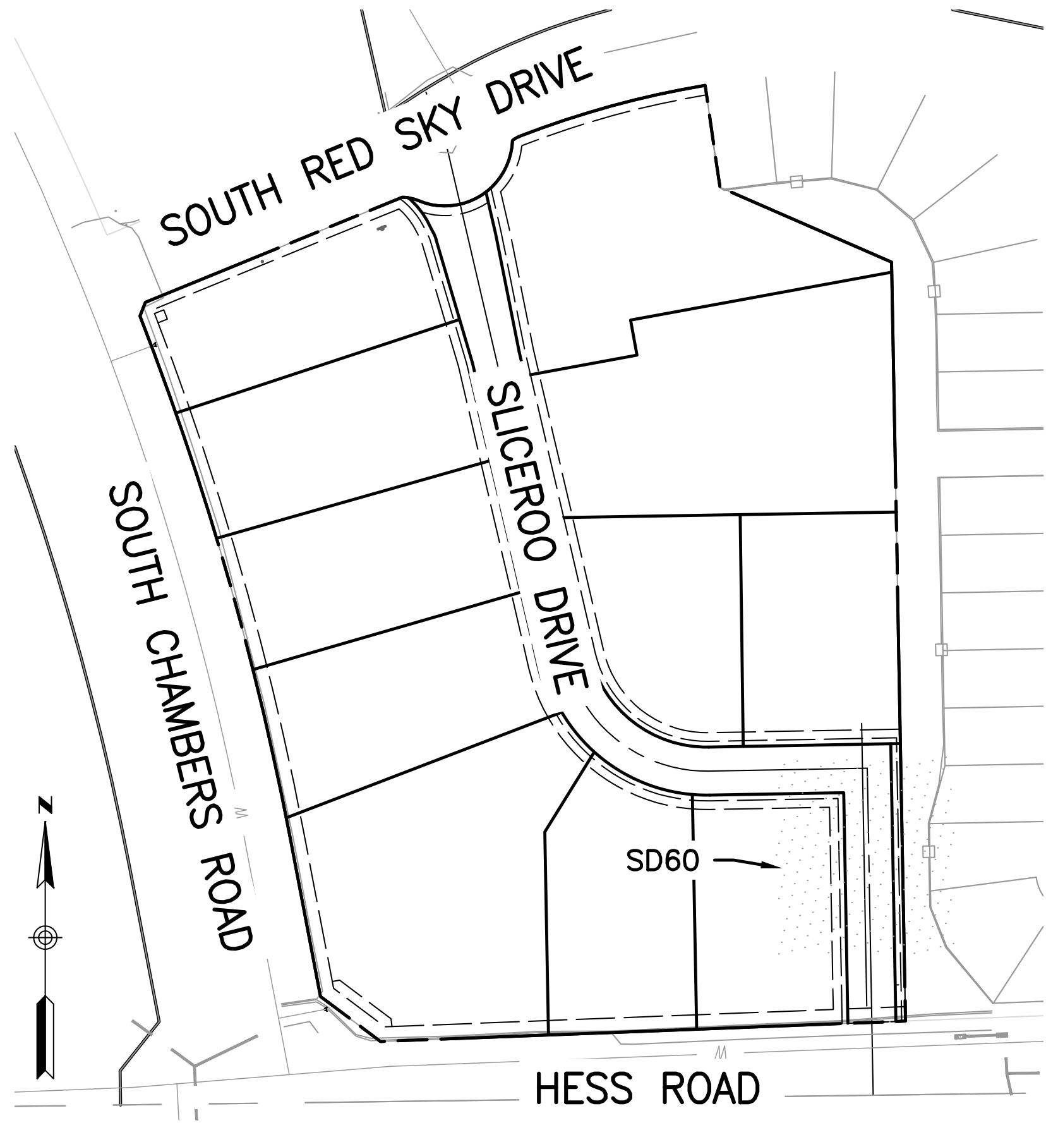
SCALE: HORIZ. 1" = 50'

50 25 0 50
GRAPHIC SCALE: 1"=50'


SDMH-01
STA: 3+94.18, 0.00'
CDOT 4' MH
RIM: 6063.79
INV IN: 6045.82 (S-30")
INV IN: 6046.32 (W-24")
INV OUT: 6045.32 (N-36")
SDMH-02
STA: 1+00.00, 0.00'
CDOT 4' MH
RIM: 6053.82
INV IN: 6047.79 (W-24")
INV IN: 6048.29 (E-18")
INV OUT: 6047.29 (N-30")
EG AT SD ℄
FG AT SD ℄
3+52.88~SS X-ING
INV ELV 6051.28
8" SAN
1.5' MIN
100 YR HGL
2 YR HGL
100 YR HGL
2 YR HGL
L=289.68' ~ 30" RCP, S=0.50%
6070
6065
6060
6055
6050
6045
6040
4+50
4+00
3+50
3+00
2+50
2+00
1+50
1+00
0+50

PROFILE – SD-60

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


SOUTH RED SKY DRIVE
SOUTH CHAMBERS ROAD
SLICEROO DRIVE
SD60
HESS ROAD
N

KEY MAP

SCALE: HORIZ. 1" = 200'

STORM SEWER NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION, AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
2. REFER TO GENERAL NOTES ON SHEET 2 FOR ALL APPLICABLE CONSTRUCTION STANDARDS.
3. ALL STATIONING OFFSETS ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED. REFER TO FINAL PLAT FOR RIGHT-OF-WAY AND CENTERLINE DIMENSIONS AND HORIZONTAL CONTROL.
4. RIM ELEVATIONS GIVEN FOR ALL TYPE-R INLETS IN CURB LINE ARE TOP-OF-CURB (OR FRONT TOP OF INLET) ELEVATIONS. STATIONS AND OFFSETS SHOWN IN PROFILE FOR TYPE-R INLETS ARE AT CENTER OF INLET.
5. ALL STORM SEWER PIPE LENGTHS ARE TO CENTER OF STRUCTURE FOR MANHOLES AND TO THE INSIDE OF THE CONCRETE BOX FOR TYPE-R AND TYPE-C INLETS.
6. ALL WATER MAIN CROSSINGS WITH STORM SEWER AND SANITARY SEWER SHALL HAVE A MINIMUM OF 18" CLEAR DISTANCE, VERTICAL. PIPE PROTECTION AT ALL CROSSINGS SHALL BE PROVIDED PER TOWN OF PARKER AND STATE SPECIFICATIONS.
7. ALL STORM SEWER SHALL BE RCP CLASS III UNLESS OTHERWISE NOTED.

TOWN OF PARKER APPROVALS

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____
TOWN OF PARKER, DIRECTOR OF ENGINEERING — DATE

ROADWAY & STORM DRAIN PLANS FOR
DOUGLAS 234
FILING, NO. 6

DOUGLAS COUNTY, COLORADO

RICK
ENGINEERING COMPANY
9801 EAST EASTER AVE
CENTENNIAL, CO 80112
303.537.8020
Tucson - San Diego - Riverside - Orange
Sacramento - San Luis Obispo - Phoenix
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811 Know what's below. Call before you dig.

REVISIONS:

NO.	DESCRIPTION	DATE:
△	-	-

SCALE:	1" = 50'
DATE:	9/14/2020
DRAWN BY:	WD
CHECKED BY:	JS
JOB NO:	D01173-A

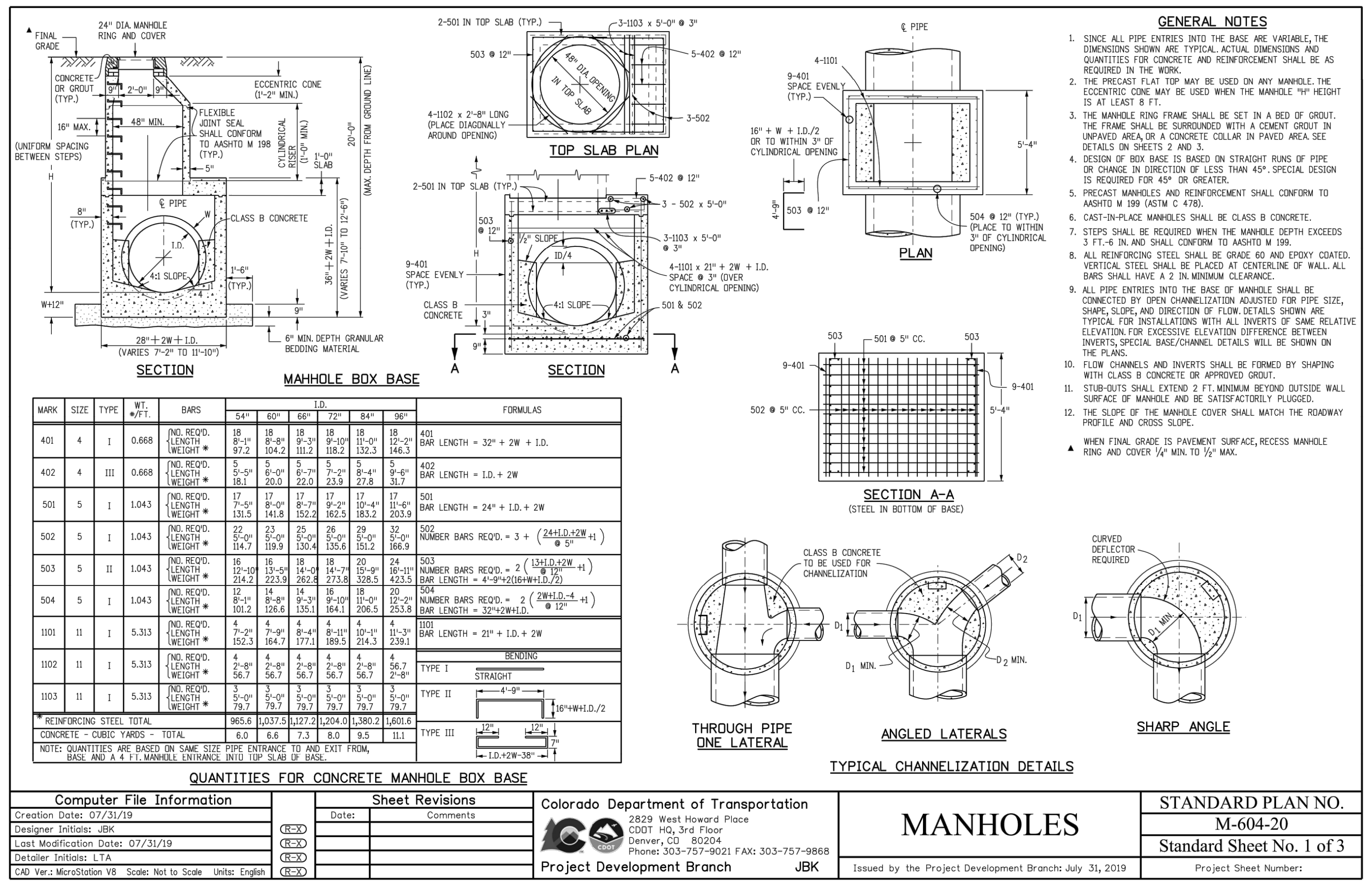
STORM DRAIN PLAN & PROFILE

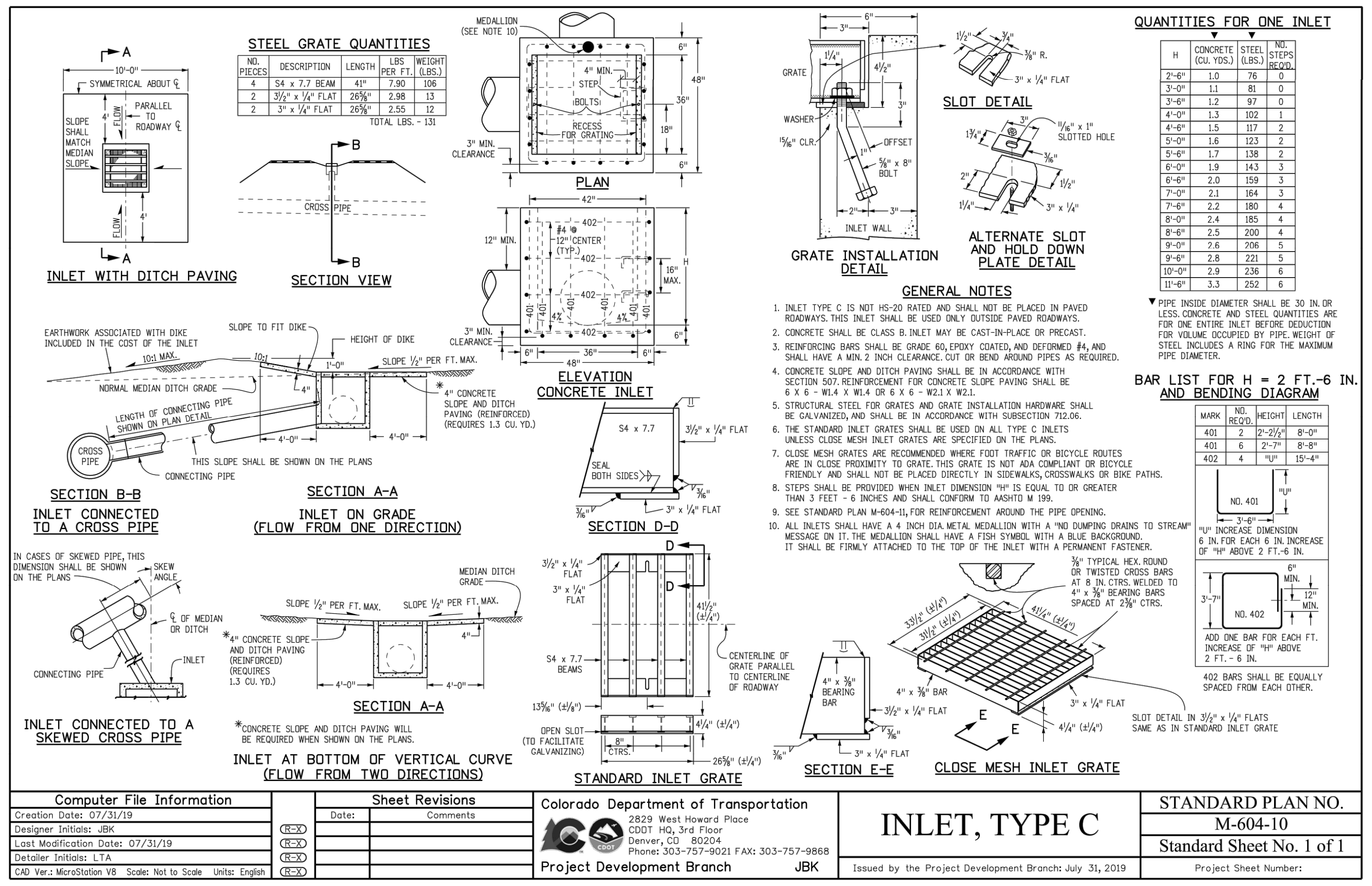
PROJECT NO.
D01173-A

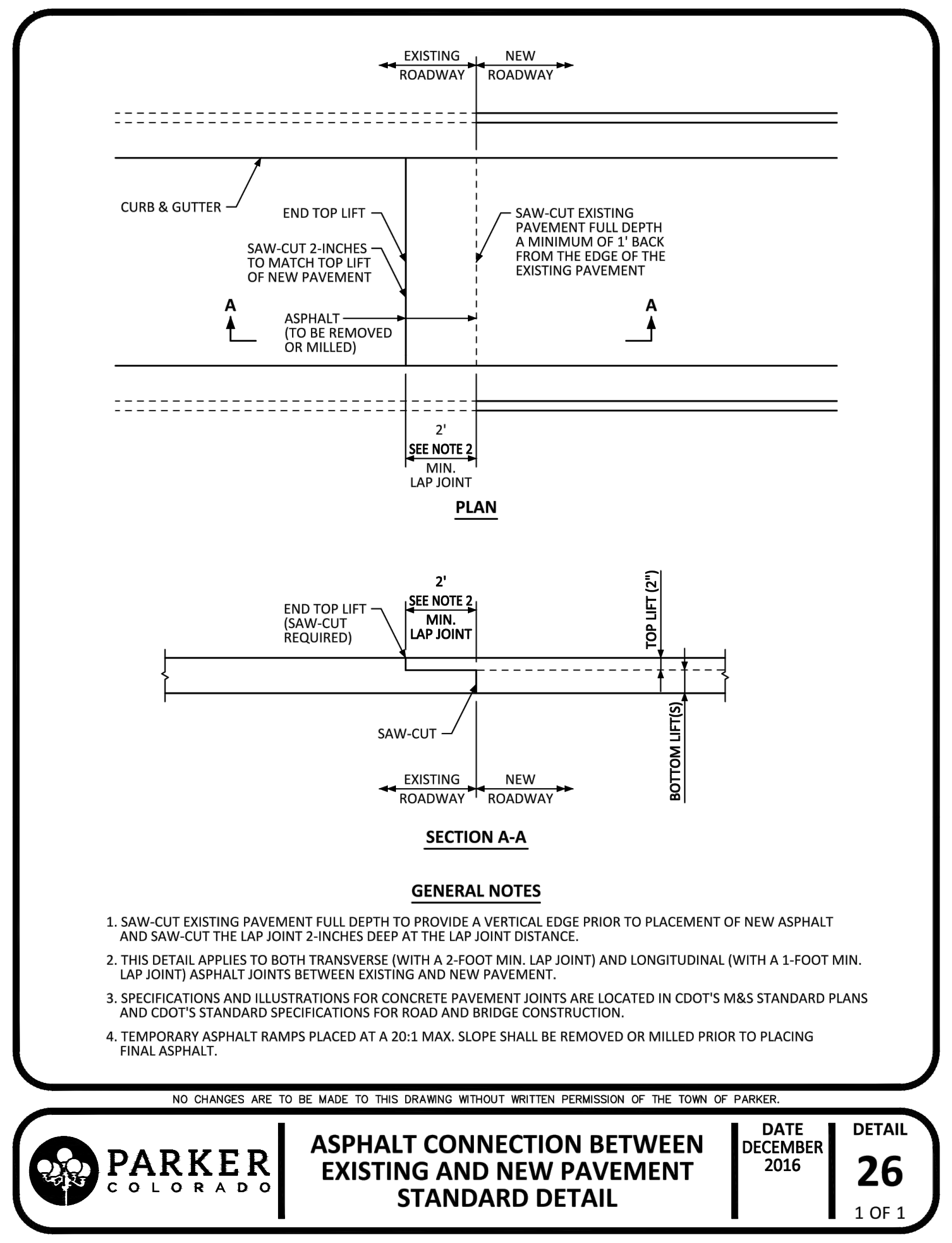
DRAWING NO.
23

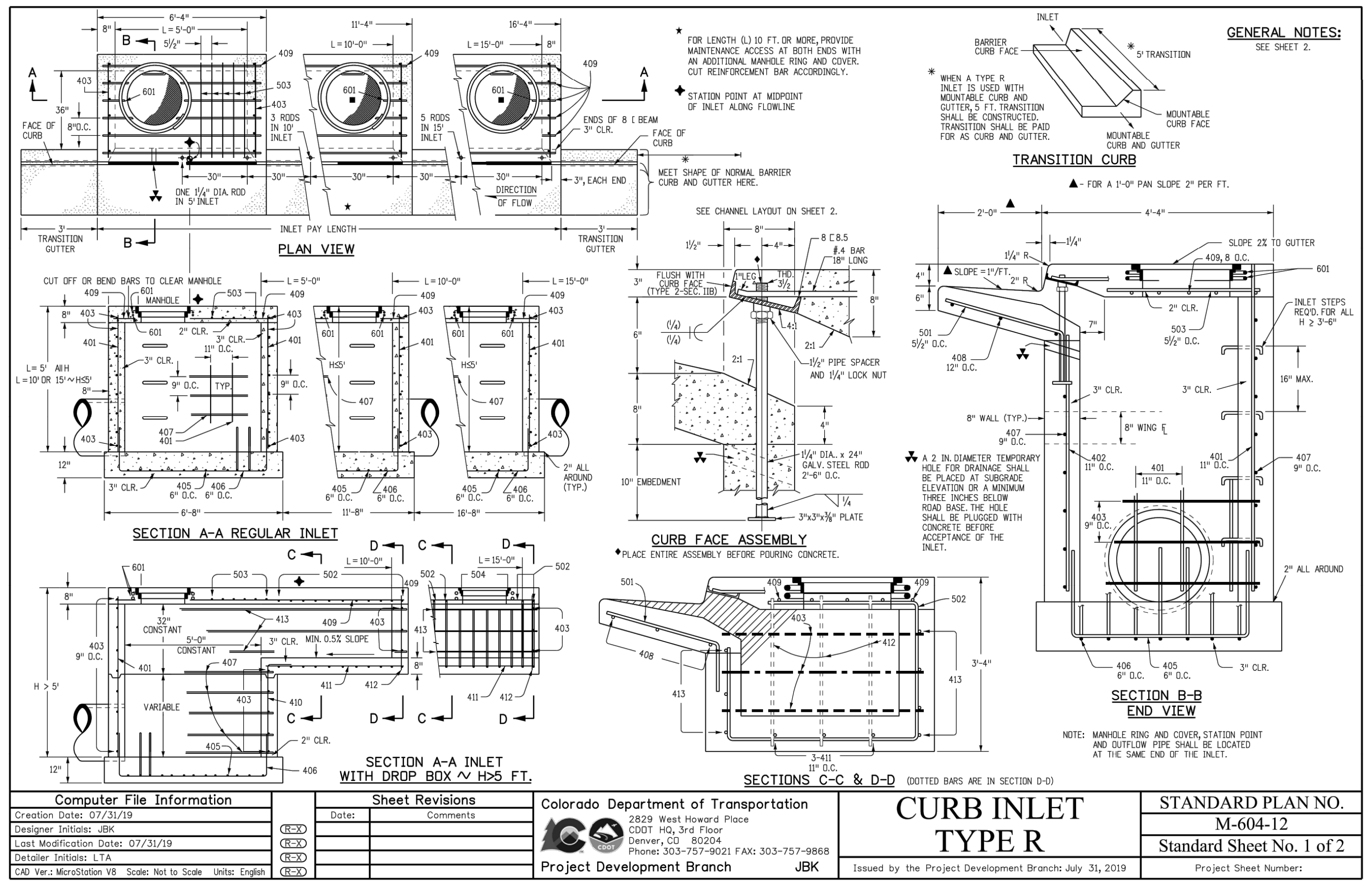
SHEET NO. 23 OF 25 SHEETS

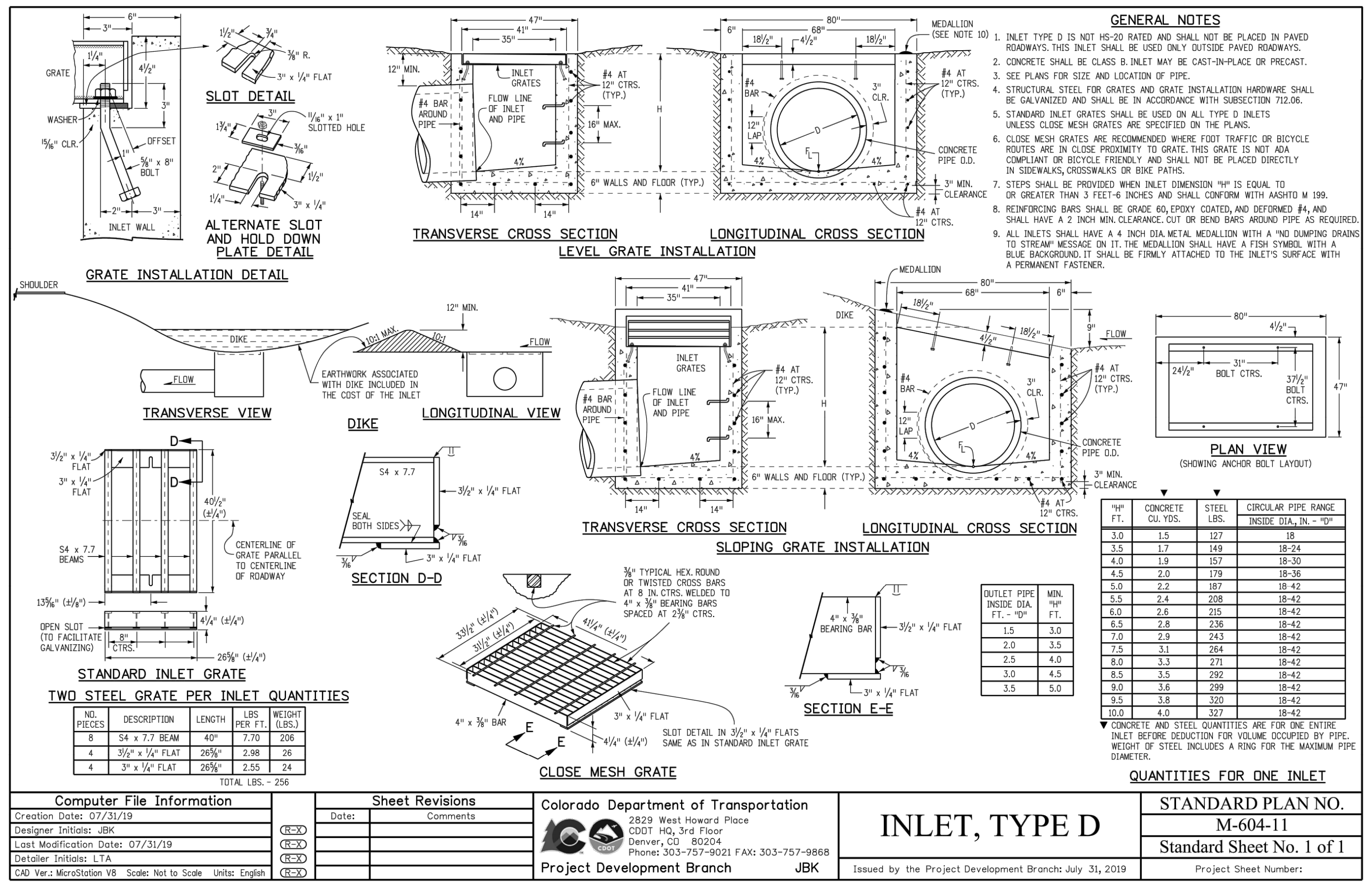
PRELIMINARY
NOT FOR CONSTRUCTION

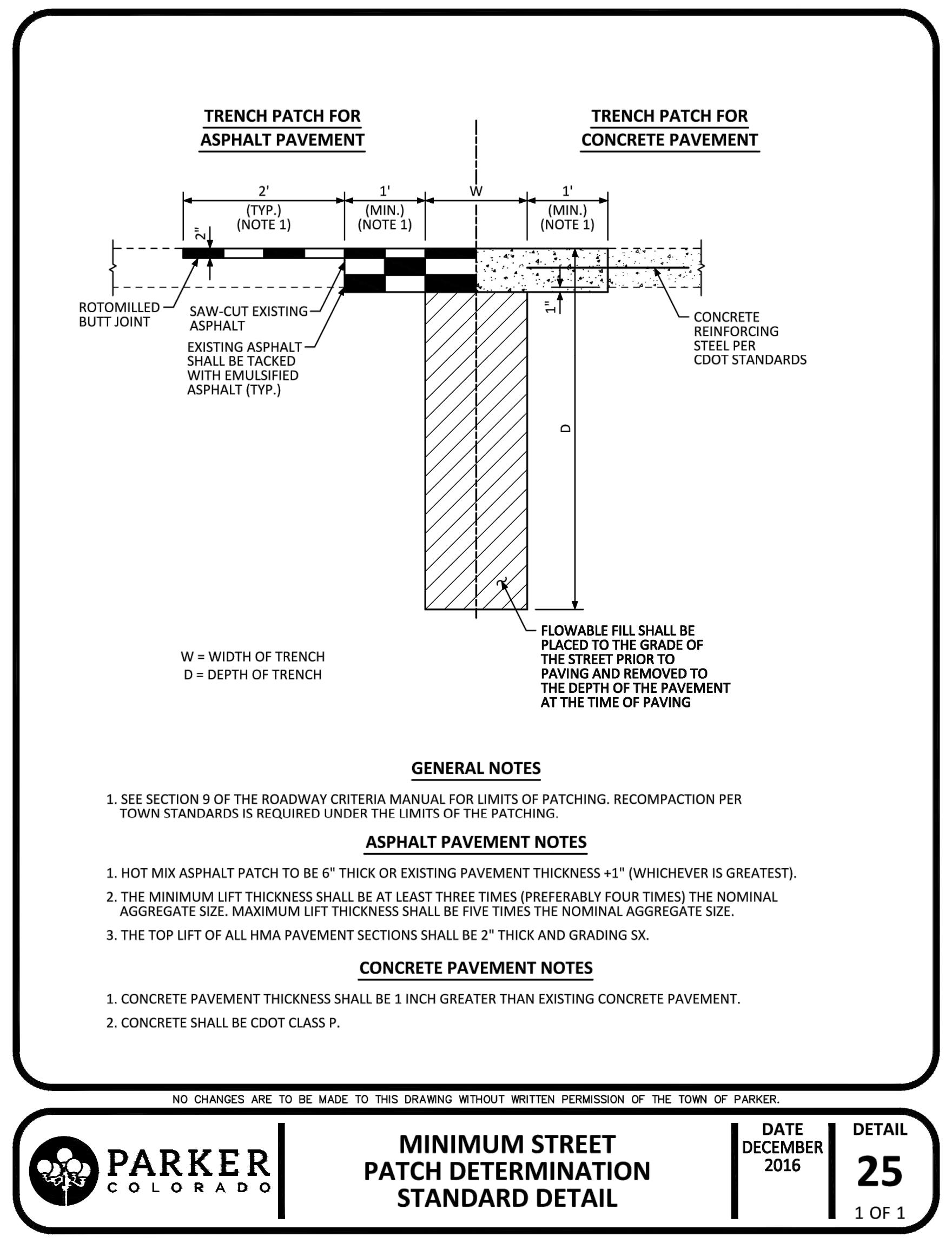

SECTION
MANHOLE BOX BASE
TOP SLAB PLAN
PLAN
SECTION A-A
GENERAL NOTES
QUANTITIES FOR CONCRETE MANHOLE BOX BASE
THROUGH PIPE ONE LATERAL
ANGLED LATERALS
SHARP ANGLE
TYPICAL CHANNELIZATION DETAILS
Colorado Department of Transportation
Project Development Branch
MANHOLES
STANDARD PLAN NO. M-604-20
Standard Sheet No. 1 of 3

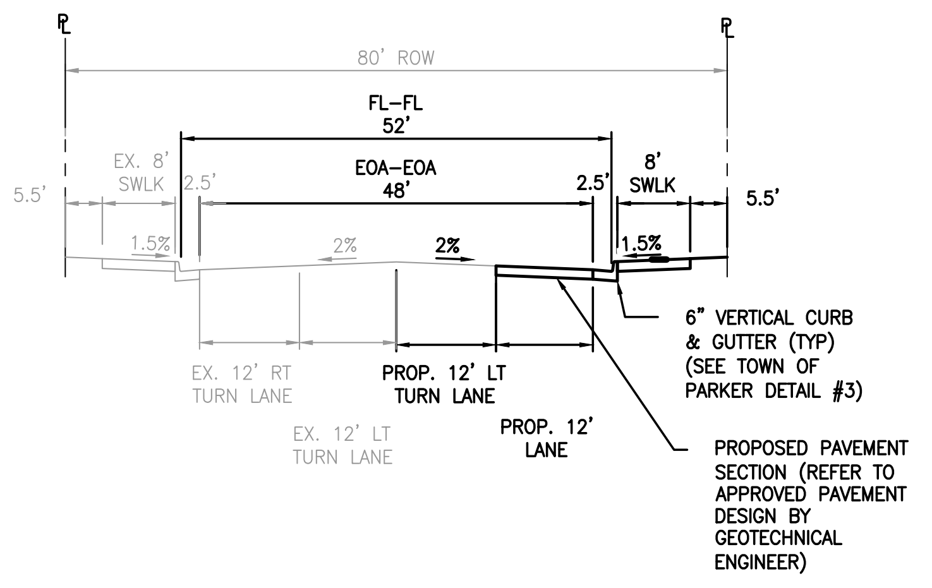

STEEL GRATE QUANTITIES
INLET WITH DITCH PAVING
SECTION VIEW
SECTION B-B INLET CONNECTED TO A CROSS PIPE
INLET ON GRADE (FLOW FROM ONE DIRECTION)
SECTION A-A
ELEVATION CONCRETE INLET
GRATE INSTALLATION DETAIL
SLOT DETAIL
ALTERNATE SLOT AND HOLD DOWN PLATE DETAIL
QUANTITIES FOR ONE INLET
BAR LIST FOR H = 2 FT.-6 IN. AND BENDING DIAGRAM
GENERAL NOTES
INLET CONNECTED TO A SKEWED CROSS PIPE
INLET AT BOTTOM OF VERTICAL CURVE (FLOW FROM TWO DIRECTIONS)
SECTION D-D
STANDARD INLET GRATE
SECTION E-E
CLOSE MESH INLET GRATE
Colorado Department of Transportation
Project Development Branch
INLET, TYPE C
STANDARD PLAN NO. M-604-10
Standard Sheet No. 1 of 1


EXISTING ROADWAY
NEW ROADWAY
CURB & GUTTER
END TOP LIFT
SAW-CUT 2-INCHES TO MATCH TOP LIFT OF NEW PAVEMENT
SAW-CUT EXISTING PAVEMENT FULL DEPTH A MINIMUM OF 3' BACK FROM THE EDGE OF THE EXISTING PAVEMENT
ASPHALT (TO BE REMOVED OR MILLED)
SEE NOTE 2
MIN. LAP JOINT
PLAN
SECTION A-A
GENERAL NOTES
1. SAW-CUT EXISTING PAVEMENT FULL DEPTH TO PROVIDE A VERTICAL EDGE PRIOR TO PLACEMENT OF NEW ASPHALT AND SAW-CUT THE LAP JOINT 2-INCHES DEEP AT THE LAP JOINT DISTANCE.
2. THIS DETAIL APPLIES TO BOTH TRANSVERSE (WITH A 2-FOOT MIN. LAP JOINT) AND LONGITUDINAL (WITH A 1-FOOT MIN. LAP JOINT) ASPHALT JOINTS BETWEEN EXISTING AND NEW PAVEMENT.
3. SPECIFICATIONS AND ILLUSTRATIONS FOR CONCRETE PAVEMENT JOINTS ARE LOCATED IN CDOT'S M&S STANDARD PLANS AND CDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
4. TEMPORARY ASPHALT RAMPS PLACED AT A 20:1 MAX. SLOPE SHALL BE REMOVED OR MILLED PRIOR TO PLACING FINAL ASPHALT.
NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.
PARKER COLORADO
ASPHALT CONNECTION BETWEEN EXISTING AND NEW PAVEMENT STANDARD DETAIL
DATE DECEMBER 2016
DETAIL 26
1 OF 1


PLAN VIEW
SECTION A-A REGULAR INLET
TRANSITION CURB
CURB FACE ASSEMBLY
SECTION A-A INLET WITH DROP BOX ~/ H>5 FT.
SECTIONS C-C & D-D
SECTION B-B END VIEW
GENERAL NOTES:
Colorado Department of Transportation
Project Development Branch
CURB INLET TYPE R
STANDARD PLAN NO. M-604-12
Standard Sheet No. 1 of 2

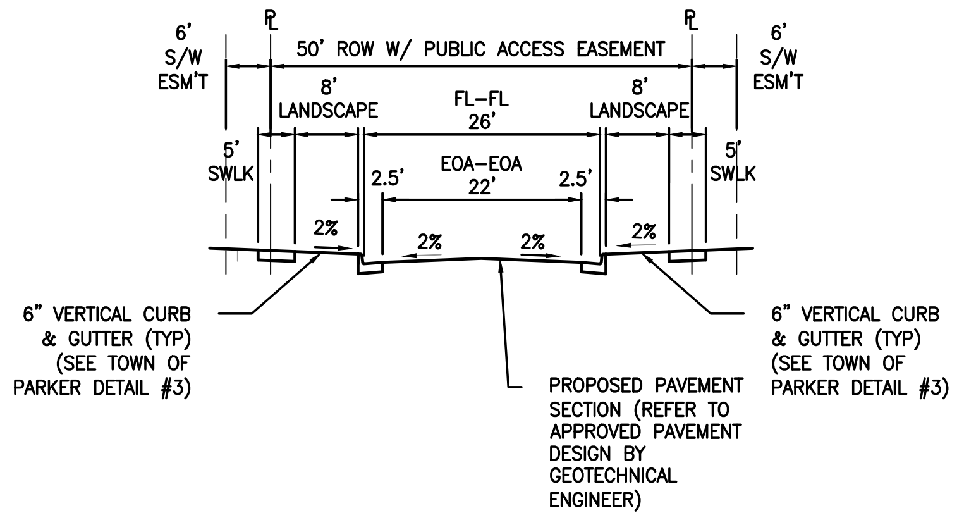

SLOT DETAIL
ALTERNATE SLOT AND HOLD DOWN PLATE DETAIL
GRATE INSTALLATION DETAIL
TRANSVERSE CROSS SECTION
LONGITUDINAL CROSS SECTION
LEVEL GRATE INSTALLATION
TRANSVERSE VIEW
DIKE
LONGITUDINAL VIEW
SLOPING GRATE INSTALLATION
PLAN VIEW
SECTION D-D
STANDARD INLET GRATE
TWO STEEL GRATE PER INLET QUANTITIES
SECTION E-E
CLOSE MESH GRATE
QUANTITIES FOR ONE INLET
GENERAL NOTES
Colorado Department of Transportation
Project Development Branch
INLET, TYPE D
STANDARD PLAN NO. M-604-11
Standard Sheet No. 1 of 1


TRENCH PATCH FOR ASPHALT PAVEMENT
TRENCH PATCH FOR CONCRETE PAVEMENT
ROTOMILLED BUTT JOINT
SAW-CUT EXISTING ASPHALT
EXISTING ASPHALT SHALL BE TACKED WITH EMULSIFIED ASPHALT (TYP.)
CONCRETE REINFORCING STEEL PER CDOT STANDARDS
W = WIDTH OF TRENCH
D = DEPTH OF TRENCH
FLOWABLE FILL SHALL BE PLACED TO THE GRADE OF THE STREET PRIOR TO PAVING AND REMOVED TO THE DEPTH OF THE PAVEMENT AT THE TIME OF PAVING
GENERAL NOTES
1. SEE SECTION 9 OF THE ROADWAY CRITERIA MANUAL FOR LIMITS OF PATCHING. RECOMPACTION PER TOWN STANDARDS IS REQUIRED UNDER THE LIMITS OF THE PATCHING.
ASPHALT PAVEMENT NOTES
1. HOT MIX ASPHALT PATCH TO BE 6" THICK OR EXISTING PAVEMENT THICKNESS +1" (WHICHEVER IS GREATEST).
2. THE MINIMUM LIFT THICKNESS SHALL BE AT LEAST THREE TIMES (PREFERABLY FOUR TIMES) THE NOMINAL AGGREGATE SIZE. MAXIMUM LIFT THICKNESS SHALL BE FIVE TIMES THE NOMINAL AGGREGATE SIZE.
3. THE TOP LIFT OF ALL HMA PAVEMENT SECTIONS SHALL BE 2" THICK AND GRADING SX.
CONCRETE PAVEMENT NOTES
1. CONCRETE PAVEMENT THICKNESS SHALL BE 1 INCH GREATER THAN EXISTING CONCRETE PAVEMENT.
2. CONCRETE SHALL BE CDOT CLASS P.
NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.
PARKER COLORADO
MINIMUM STREET PATCH DETERMINATION STANDARD DETAIL
DATE DECEMBER 2016
DETAIL 25
1 OF 1


80' ROW
FL-FL 52'
EOA-EOA 48'
EX. 8' SWLK
2.5'
8' SWLK
5.5'
2%
1.5%
6" VERTICAL CURB & GUTTER (TYP) (SEE TOWN OF PARKER DETAIL #3)
EX. 12' RT TURN LANE
PROP. 12' LT TURN LANE
EX. 12' LT TURN LANE
PROP. 12' LANE
PROPOSED PAVEMENT SECTION (REFER TO APPROVED PAVEMENT DESIGN BY GEOTECHNICAL ENGINEER)

PRIVATE DRIVE CROSS SECTION

N.T.S.


6' S/W ESM'T
50' ROW W/ PUBLIC ACCESS EASEMENT
8' LANDSCAPE
FL-FL 26'
EOA-EOA 22'
5' SWLK
2.5'
2%
6" VERTICAL CURB & GUTTER (TYP) (SEE TOWN OF PARKER DETAIL #3)
PROPOSED PAVEMENT SECTION (REFER TO APPROVED PAVEMENT DESIGN BY GEOTECHNICAL ENGINEER)

PRIVATE DRIVE CROSS SECTION

N.T.S.

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TOWN OF PARKER, DIRECTOR OF ENGINEERING/PUBLIC WORKS DATE

ROADWAY & STORM DRAIN PLANS FOR
DOUGLAS 234
FILING, NO. 6
DOUGLAS COUNTY, COLORADO

RICK
ENGINEERING COMPANY
9801 EAST EASTER AVE
CENTENNIAL, CO 80112
303.537.8020
Tucson - San Diego - Riverside - Orange
Sacramento - San Luis Obispo - Phoenix
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ROBERT K. FITCH
48704

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REVISIONS:		
NO.	DESCRIPTION	DATE:
△	-	-

SCALE:	NTS
DATE:	9/14/2020
DRAWN BY:	WD
CHECKED BY:	JS
JOB NO:	D01173–A

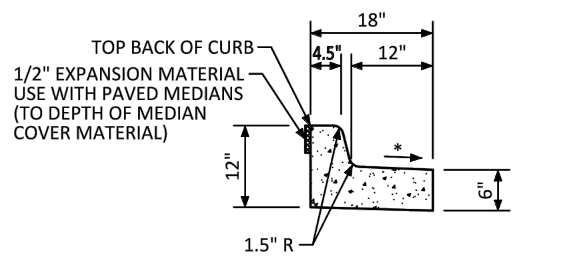
STANDARD DETAILS

PROJECT NO.
D01173–A

DRAWING NO.
24

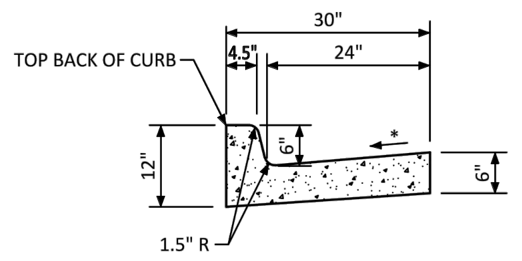
SHEET NO. 24 OF 25 SHEETS

PRELIMINARY
NOT FOR CONSTRUCTION

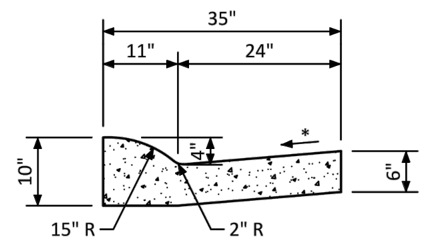

18"
4.5"
12"
TOP BACK OF CURB
1/2" EXPANSION MATERIAL USE WITH PAVED MEDIANS (TO DEPTH OF MEDIAN COVER MATERIAL)
12"
6"
*
1.5" R

MEDIAN CURB AND GUTTER SECTION
(CDOT CURB AND GUTTER TYPE 2 (SECTION I-B))

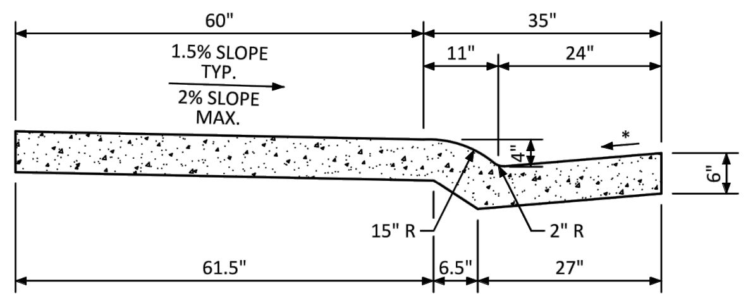
* GUTTER CROSS SLOPE SHALL BE 1/2 IN./FT. WHEN DRAINING AWAY FROM CURB AND 1 IN./FT. WHEN DRAINING TOWARD CURB. DIRECTION OF SLOPE SHALL MATCH STREET CROSS SLOPE.


30"
4.5"
24"
TOP BACK OF CURB
12"
6"
6"
*
1.5" R

VERTICAL CURB AND GUTTER SECTION
(CDOT CURB AND GUTTER TYPE 2 (SECTION II-B))


35"
11"
24"
10"
4"
6"
*
15" R
2" R

MOUNTABLE CURB AND GUTTER SECTION


60"
35"
1.5% SLOPE TYP.
2% SLOPE MAX.
11"
24"
4"
6"
*
15" R
2" R
61.5"
6.5"
27"

MONOLITHIC COMBINATION CURB, GUTTER AND SIDEWALK SECTION

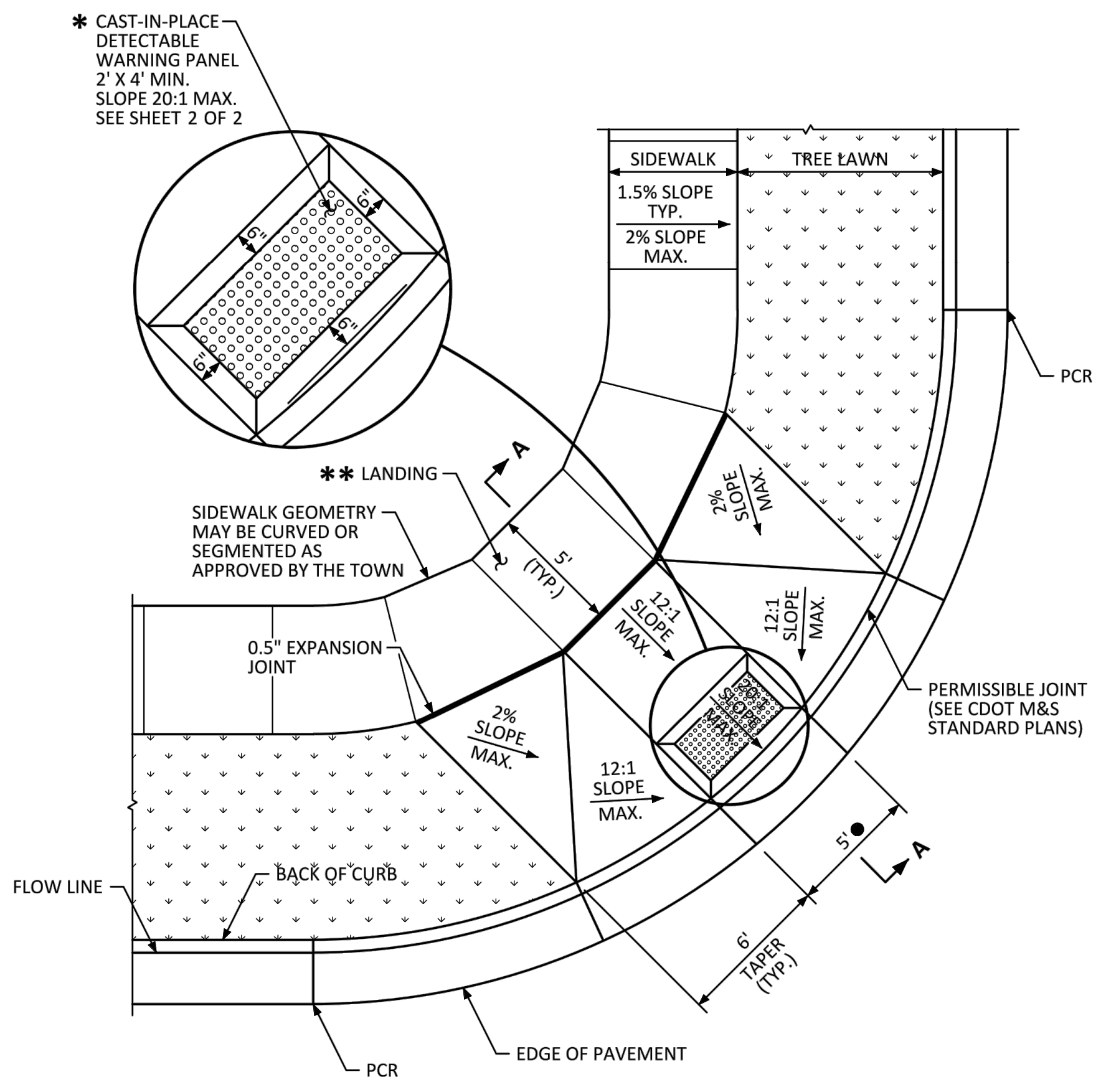
NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

PARKER
COLORADO

CURB, GUTTER, AND SIDEWALK SECTIONS STANDARD DETAIL

DATE
DECEMBER
2016

DETAIL
3
1 OF 1


✱ CAST-IN-PLACE DETECTABLE WARNING PANEL 2' X 4' MIN. SLOPE 20:1 MAX. SEE SHEET 2 OF 2
6"
6"
6"
6"
SIDEWALK
TREE LAWN
1.5% SLOPE TYP.
2% SLOPE MAX.
PCR
✱✱ LANDING
A
SIDEWALK GEOMETRY MAY BE CURVED OR SEGMENTED AS APPROVED BY THE TOWN
5' (TYP.)
2% SLOPE MAX.
12:1 SLOPE MAX.
12:1 SLOPE MAX.
0.5" EXPANSION JOINT
PERMISSIBLE JOINT (SEE CDOT M&S STANDARD PLANS)
2% SLOPE MAX.
12:1 SLOPE MAX.
5' ●
A
FLOW LINE
BACK OF CURB
6' TAPER (TYP.)
PCR
EDGE OF PAVEMENT

✱ DETECTABLE WARNINGS SHALL BE ONE OF CAST-IN-PLACE THE PRODUCTS APPROVED FOR USE AS LISTED ON CDOT'S APPROVED LIST.

✱✱ LANDING SHALL HAVE A MAXIMUM OF 2% SLOPE IN EACH DIRECTION.

● FOR RESIDENTIAL COLLECTOR/COLLECTOR LAYOUT OR COLLECTOR/ARTERIAL LAYOUT, CURB RAMP SHALL BE 7' WIDE.

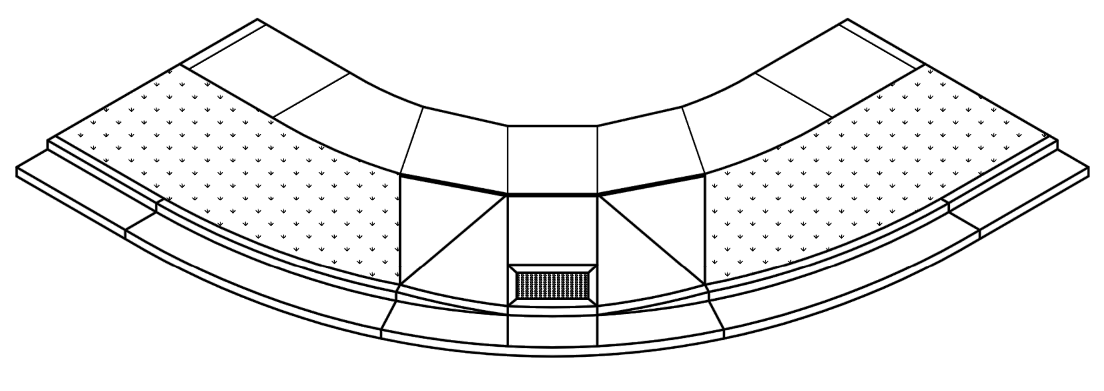
NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

PARKER
COLORADO

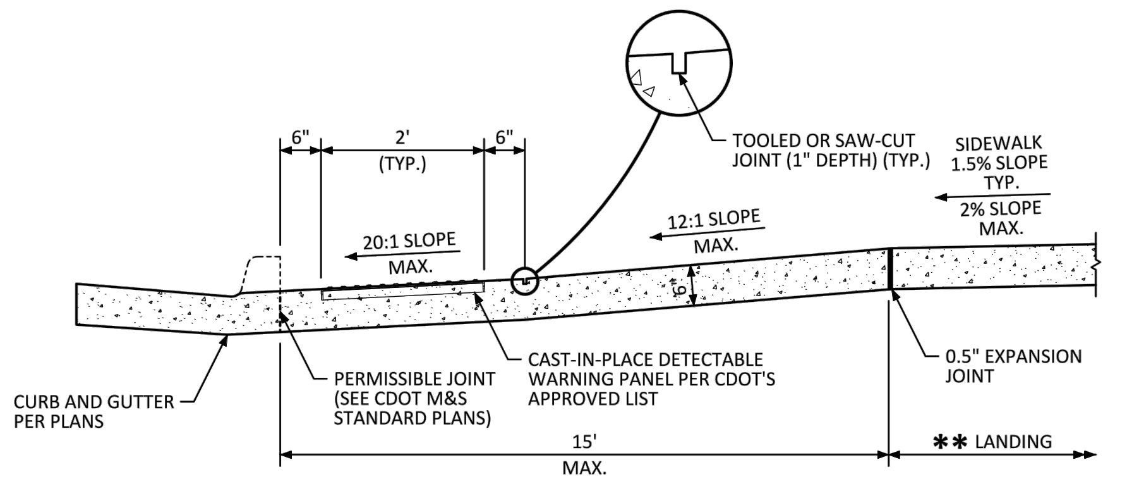
DIAGONAL CURB RAMP (DETACHED SIDEWALK) LAYOUT STANDARD DETAIL

DATE
DECEMBER
2016

DETAIL
15
1 OF 2



ISOMETRIC


TOOLED OR SAW-CUT JOINT (1" DEPTH) (TYP.)
6"
2' (TYP.)
6"
SIDEWALK 1.5% SLOPE TYP.
2% SLOPE MAX.
20:1 SLOPE MAX.
12:1 SLOPE MAX.
6"
CURB AND GUTTER PER PLANS
PERMISSIBLE JOINT (SEE CDOT M&S STANDARD PLANS)
CAST-IN-PLACE DETECTABLE WARNING PANEL PER CDOT'S APPROVED LIST
0.5" EXPANSION JOINT
15' MAX.
✱✱ LANDING

SECTION A-A

✱✱ LANDING SHALL HAVE A MAXIMUM OF 2% SLOPE IN EACH DIRECTION.

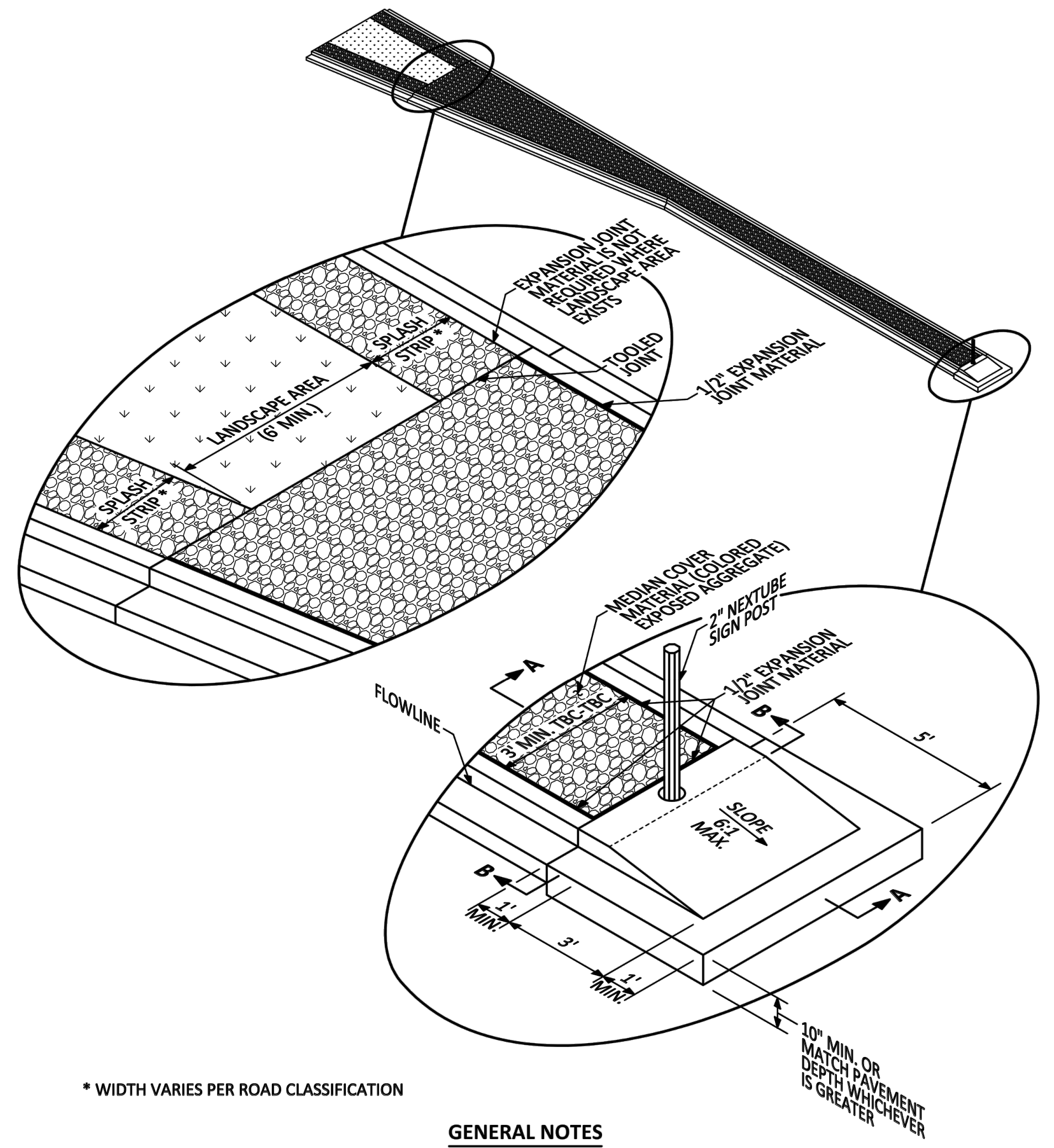
NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

PARKER
COLORADO

DIAGONAL CURB RAMP LAYOUT STANDARD DETAIL

DATE
DECEMBER
2016

DETAIL
15
2 OF 2


EXPANSION JOINT MATERIAL IS NOT REQUIRED WHERE LANDSCAPE AREA EXISTS
SPLASH STRIP *
TOOLED JOINT
LANDSCAPE AREA (6' MIN.)
1/2" EXPANSION JOINT MATERIAL
SPLASH STRIP *
MEDIAN COVER MATERIAL (COLORED EXPOSED AGGREGATE)
2" NEXTUBE SIGN POST
A
1/2" EXPANSION JOINT MATERIAL
FLOWLINE
3' MIN. TBC-TBC
B
5'
SLOPE 6:1 MAX.
B
A
1' MIN.
3'
1' MIN.
10" MIN. OR MATCH PAVEMENT DEPTH WHICHEVER IS GREATER

* WIDTH VARIES PER ROAD CLASSIFICATION

GENERAL NOTES

1. MEDIAN COVER MATERIAL SHALL BE DAVIS COLOR "RUSTIC BROWN" AND HAVE AN EXPOSED AGGREGATE FINISH. CONCRETE SHALL BE CDOT CLASS "B" WITH 3/8" MAXIMUM AGGREGATE SIZE.
2. TOOLED JOINTS IN THE MEDIAN COVER MATERIAL SHALL MATCH CURB AND GUTTER JOINTS.

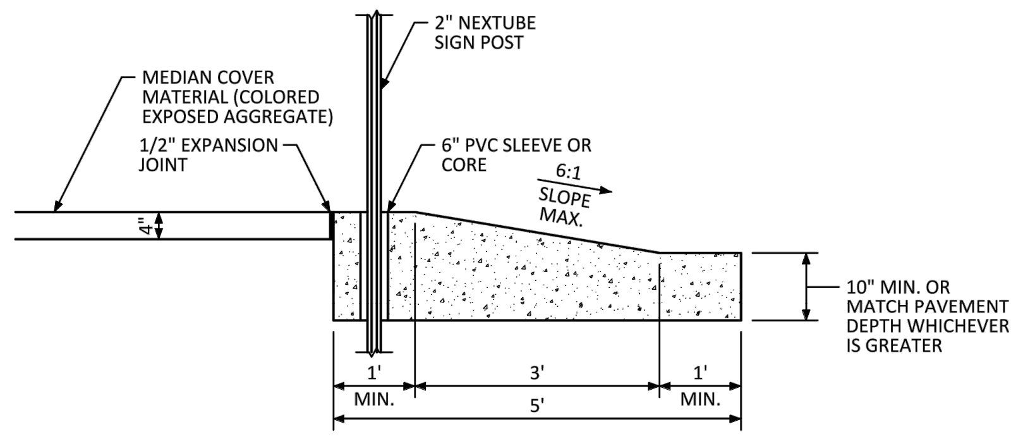
NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

PARKER
COLORADO

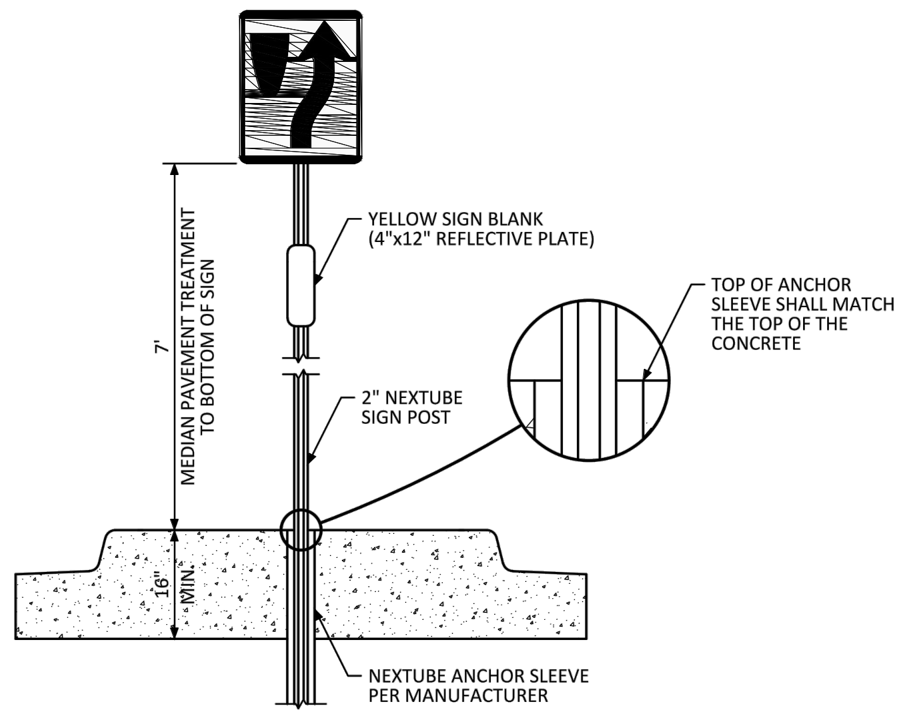
MEDIAN BULL NOSE ISOMETRIC STANDARD DETAIL

DATE
DECEMBER
2016

DETAIL
27
1 OF 2


2" NEXTUBE SIGN POST
MEDIAN COVER MATERIAL (COLORED EXPOSED AGGREGATE)
1/2" EXPANSION JOINT
6" PVC SLEEVE OR CORE
6:1 SLOPE MAX.
4"
10" MIN. OR MATCH PAVEMENT DEPTH WHICHEVER IS GREATER
1' MIN.
3'
1' MIN.
5'

SECTION A-A


YELLOW SIGN BLANK (4"x12" REFLECTIVE PLATE)
TOP OF ANCHOR SLEEVE SHALL MATCH THE TOP OF THE CONCRETE
7' MEDIAN PAVEMENT TREATMENT TO BOTTOM OF SIGN
2" NEXTUBE SIGN POST
16" MIN.
NEXTUBE ANCHOR SLEEVE PER MANUFACTURER

SECTION B-B

GENERAL NOTES

1. IF MEDIAN WIDTH IS GREATER THAN 12', ADDITIONAL DELINEATORS WILL BE REQUIRED. COORDINATE WITH DESIGNATED TOWN AUTHORITY.

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

PARKER
COLORADO

MEDIAN BULL NOSE TYPICAL SECTIONS STANDARD DETAIL

DATE
DECEMBER
2016

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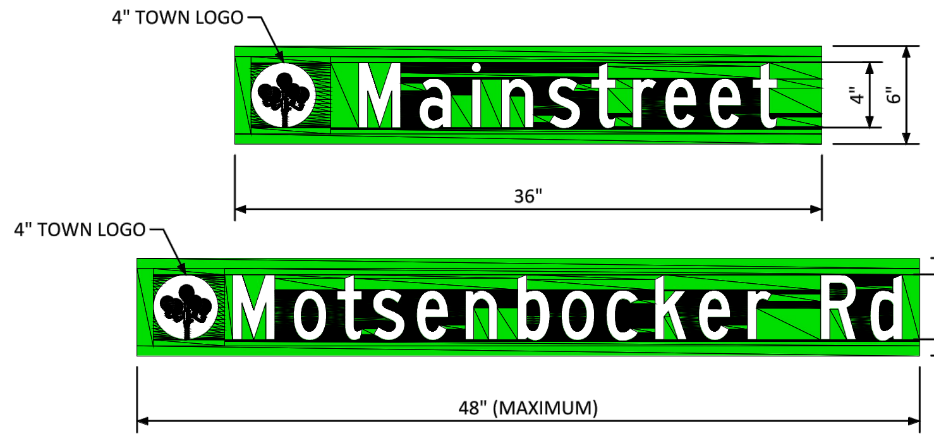
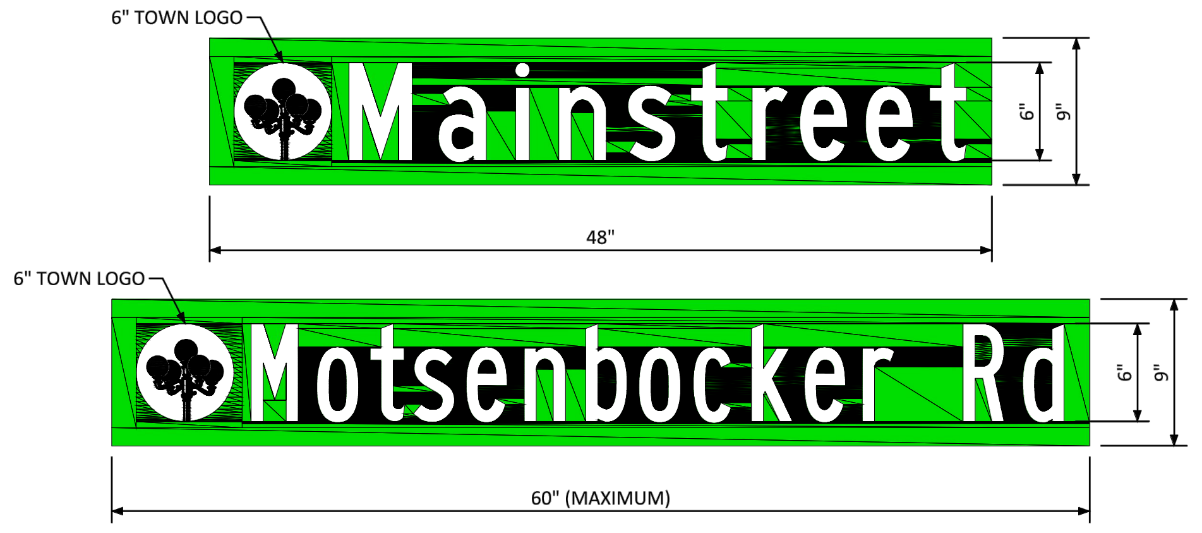
LOCAL STREETS


4" TOWN LOGO
Mainstreet
4"
6"
36"
4" TOWN LOGO
Motsenbocker Rd
4"
6"
48" (MAXIMUM)

ARTERIALS/COLLECTORS


6" TOWN LOGO
Mainstreet
6"
9"
48"
6" TOWN LOGO
Motsenbocker Rd
6"
9"
60" (MAXIMUM)

GENERAL NOTES

1. STREET NAME SIGNS SHALL BE ON EXTRUDED ALUMINUM BLANKS. ARTERIALS/COLLECTORS SHALL HAVE 9" HIGH PANELS. LOCALS MAY HAVE 6" HIGH PANELS. ARTERIAL/COLLECTOR SIZE BLANKS SHALL NOT EXCEED 60". LOCAL SIZE BLANKS SHALL NOT EXCEED 48".
2. SIGN POSTS FOR INSTALLING STREET NAME SIGNS SHALL BE 12 GAUGE Nex/S-SquareTube STEEL. FINISH TO BE HOT DIPPED GALVANIZED (ASTM A-653 G90). SIZE OF POST TO BE NOMINAL 2" x 2".
3. SIGN MOUNTING HARDWARE TO BE ZINC OR CADMIUM PLATED.
4. SIGN SHEETING SHALL BE REFLECTORIZED AND AFFIXED TO BOTH SIDES OF STREET NAME SIGN BLANK. PRIMARY SHEETING MATERIAL TO BE HIGH INTENSITY PRISMATIC WHITE WITH GREEN TRANSPARENT ELECTRO-CUT FILM. TOWN LAMP LOGO TO BE BLACK FILM ON WHITE SHEETING.
5. STREET NAME FONTS SHALL BE STANDARD HIGHWAY GOTHIC SERIES. TOTAL CHARACTERS INCLUDING SUFFIX SHALL NOT EXCEED 14.
6. MOUNTING HEIGHTS AND LOCATIONS TO BE PER MUTCD GUIDELINES OR AS DIRECTED BY THE TOWN.

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

PARKER
COLORADO

GROUND MOUNTED STREET NAME PANELS

DATE
DECEMBER
2016

DETAIL
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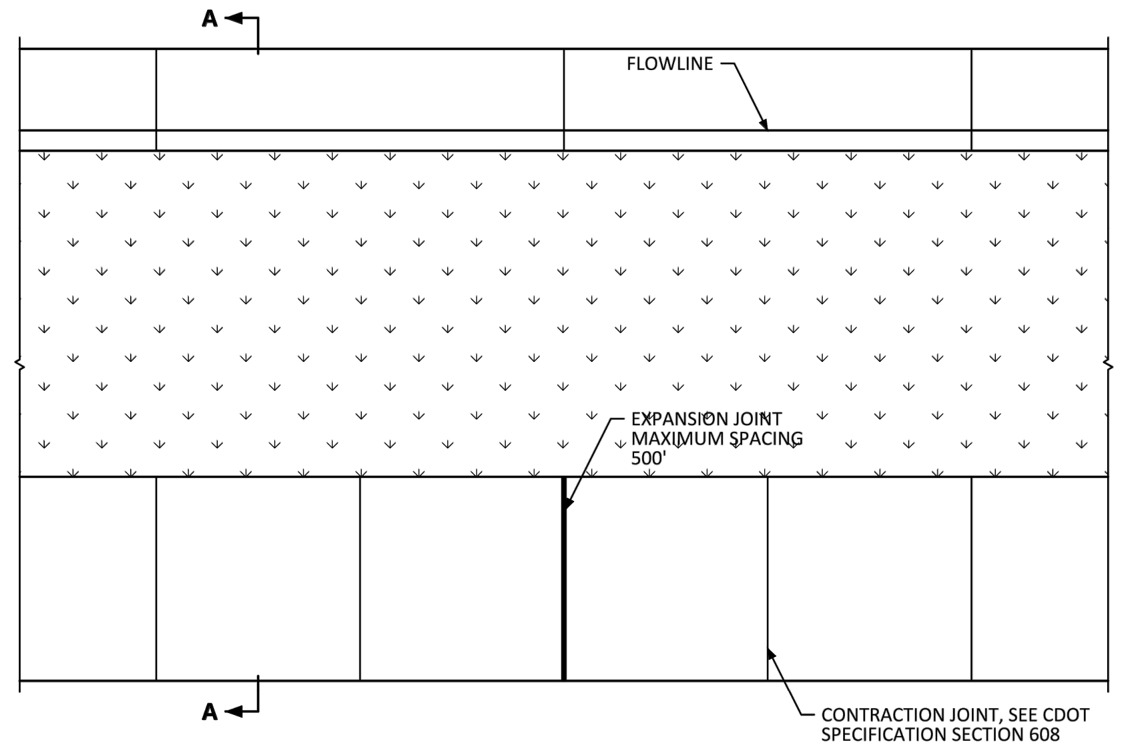
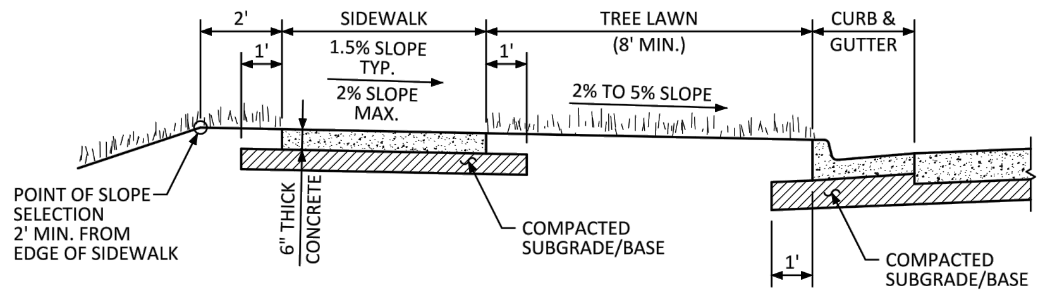
1 OF 1


A
FLOWLINE
EXPANSION JOINT MAXIMUM SPACING 500'
A
CONTRACTION JOINT, SEE CDOT SPECIFICATION SECTION 608

JOINT SPACING


2'
1'
SIDEWALK
1.5% SLOPE TYP.
2% SLOPE MAX.
1'
TREE LAWN (8' MIN.)
2% TO 5% SLOPE
CURB & GUTTER
POINT OF SLOPE SELECTION 2' MIN. FROM EDGE OF SIDEWALK
6" THICK CONCRETE
COMPACTED SUBGRADE/BASE
1'
COMPACTED SUBGRADE/BASE

SECTION A-A

GENERAL NOTES

1. CONTRACTION JOINTS ON CONCRETE TRAILS SHALL BE SAWCUT.

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

PARKER
COLORADO

DETACHED SIDEWALK STANDARD DETAIL

DATE
DECEMBER
2016

DETAIL
4
1 OF 2

TOWN OF PARKER APPROVALS

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH THE TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATION. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

THIS REVIEW DOES NOT CONSTITUTE APPROVAL OF ANY PRIVATE ON-SITE IMPROVEMENTS WHICH MAY BE SHOWN. CONSTRUCTION CANNOT COMMENCE UNTIL ALL REQUIRED DRAINAGE/TRAFFIC REPORT(S), FINAL DEVELOPMENT PLAN(S), SPECIAL REVIEW(S), GRADING PERMIT, AND/OR OTHER PERMITS ARE COMPLETE, APPROVED AND ON FILE WITH THE TOWN OF PARKER.

____
TOWN OF PARKER, DIRECTOR OF ENGINEERING/PUBLIC WORKS DATE

ROADWAY & STORM DRAIN PLANS FOR
DOUGLAS 234
FILING, NO. 6
DOUGLAS COUNTY, COLORADO

RICK
ENGINEERING COMPANY
9801 EAST EASTER AVE
CENTENNIAL, CO 80112
303.537.8020
Tucson - San Diego - Riverside - Orange
Sacramento - San Luis Obispo - Phoenix
rickengineering.com

ROBERT K. FITCH
48704

Know what's below.
Call before you dig.

REVISIONS:

NO.	DESCRIPTION	DATE:
△	-	-

SCALE: NTS
DATE: 9/14/2020
DRAWN BY: WD
CHECKED BY: JS
JOB NO: D01173–A

STANDARD DETAILS

PROJECT NO.
D01173–A
DRAWING NO.
25
SHEET NO. 25 OF 25 SHEETS

PRELIMINARY
NOT FOR CONSTRUCTION

C:\RICK\Projects\D_CEN_L\1173_Chambers&Hess\Civil\Plans\RoadwayStormDrain\23 STANDARD DETAILS.dwg 2020-09-14 – 11:41PM – jscanlon