



Building a Better World for All of Us®

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NEW HORIZON ACADEMY - DOUGLAS 234 FILING, NO. 6 PARKER, CO

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SEH Project Checked By: TIM NUETZEL License No. 37763

Project Status: TOWN REVIEW Issue Date: 8/26/2020

Revision Issue: Rev. # 1 Description TOWN COMMENTS Date 1/22/2021

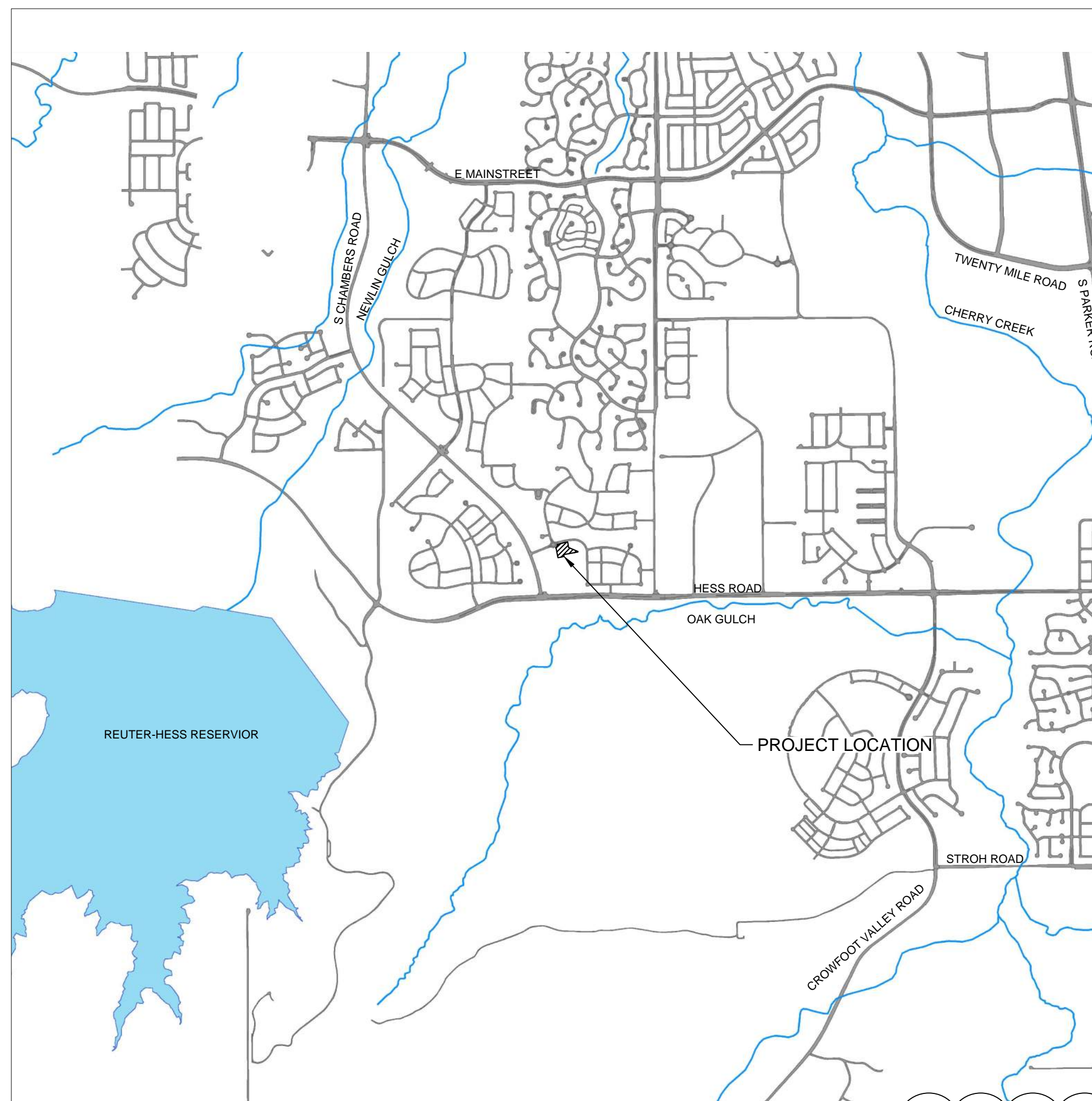
COVER SHEET

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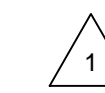
DOUGLAS 234, FILING NO. 6

A PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 29, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO 1.651 ACRES

SITE PLANS FOR NEW HORIZON ACADEMY



PLAN SHEET INDEX table with columns SHEET NUMBER and SHEET TITLE. Rows include C0.0 COVER SHEET, C0.1 GENERAL NOTES, C1.0 EXISTING CONDITIONS, C1.1 OVERALL SITE, C1.2 BUILDING SITE LAYOUT, C1.3 PARKING LOT SITE LAYOUT, C1.4 RETAINING WALL PLAN, C1.5 - C1.6 CIVIL DETAILS, C2.0 GRADING PLAN, C3.0 INITIAL CBMP PLAN, C3.1 INTERIM-FINAL CBMP PLAN, C3.2 - C3.9 CBMP DETAILS, C4.0 STORM SEWER PLAN - PARKING LOT, C4.1 STORM SEWER PLAN - PLAYGROUND, C4.2 - C4.3 STORM SEWER DETAILS, C5.0 SIGNAGE PLAN, A2.1 - A2.2 PRELIMINARY EXTERIOR ELEVATIONS, A2.3 PRELIMINARY ELEVATIONS, A2.4 - A2.5 PERSPECTIVES, ES.01 PHOTOMETRIC SITE PLAN, ES.02 - ES.03 LIGHT FIXTURE CUTSHEETS, L1.01 LANDSCAPE PLAN, L1.02 IRRIGATION DIAGRAM, L1.03 LANDSCAPE DETAILS, L1.04 SIGN DETAILS, and PLAYGROUND PLANS.



SITE DISTANCE CERTIFICATION

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THE PROPOSED SUBDIVISION IS DESIGNED IN ACCORDANCE WITH THE TOWN OF PARKER SIGHT DISTANCE CRITERIA AND WITH AASHTO POLICY ON GEOMETRIC DESIGN OF HIGHWAY & STREETS.

TIM NUETZEL LICENSE NO. 37763

EXISTING

- RIGHT OF WAY
PERMANENT EASEMENT
PROPERTY LINE
HORIZONTAL CONTROL POINT
BENCHMARK
SURVEY MARKER
SOIL BORING
SANITARY SEWER AND MANHOLE
FORCE MAIN AND LIFT STATION
SANITARY SEWER SERVICE & CLEANOUT
WATER MAIN, HYDRANT, VALVE AND MANHOLE
WATER SERVICE AND CURB STOP BOX
STORM SEWER, MANHOLE AND CATCH BASIN
CULVERT AND APRON ENDWALL
GAS MAIN, VALVE, VENT AND METER
HANDHOLE
BURIED FIBER OPTIC CABLE AND MANHOLE
BURIED PHONE CABLE, PEDESTAL AND MANHOLE
BURIED TV CABLE, PEDESTAL AND MANHOLE
BURIED ELECTRIC CABLE, PEDESTAL, MANHOLE, TRANSFORMER AND METER
OVERHEAD WIRE, POLE AND GUY WIRE
LIGHT POLE
TRAFFIC SIGNAL
STREET NAME SIGN
SIGN (NON STREET NAME)
RAILROAD TRACKS
DECIDUOUS AND CONIFEROUS TREE
BUSH / SHRUB AND STUMP
EDGE OF WOODED AREA
WETLAND
BUILDING
FENCE (UNIDENTIFIED)
BARBED WIRE FENCE
CHAIN LINK FENCE
ELECTRIC WIRE FENCE
WOOD FENCE
WOVEN WIRE FENCE
PLATE BEAM GUARDRAIL
CABLE GUARDRAIL
POST / BOLLARD
RETAINING WALL

PROPOSED

- STREET CENTERLINE
RIGHT-OF-WAY
PERMANENT EASEMENT
TEMPORARY EASEMENT
CONSTRUCTION LIMITS
SANITARY SEWER, BULKHEAD AND MANHOLE
FORCE MAIN
SANITARY SERVICE AND CLEANOUT
WATER MAIN, TEE, HYDRANT, BULKHEAD AND VALVE
WATER VALVE MANHOLE, REDUCER, BEND AND CROSS
WATER SERVICE AND CURB STOP BOX
STORM SEWER, MANHOLE AND CATCH BASIN
CULVERT AND APRON ENDWALL
DRAIN TILE
DITCH / SWALE
RIPRAP
STREET NAME SIGN
SIGN (NON STREET NAME)
RETAINING WALL

SOIL PREPARATION AND PAVEMENT DESIGN NOTE

SOIL PREPARATION AND PAVEMENT DESIGN SHALL BE PER RECOMMENDATIONS FROM A GEOTECHNICAL REPORT PREPARED FOR THIS SITE AS FOLLOWS.

GEOTECHNICAL ENGINEER: ROCKY MOUNTAIN GROUP. PROJECT NO. 167366

THE CONTRACTOR MUST FULLY REVIEW THIS REPORT AND BRING ANY CONFLICTS BETWEEN IT AND THE CONSTRUCTION PLANS AND SPECIFICATIONS TO THE ENGINEER'S ATTENTION PRIOR TO BEGINNING WORK.

BASIS OF BEARINGS:

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

BENCHMARK

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

SCREENING

ALL MECHANICAL EQUIPMENT SHALL BE SCREENED FROM VIEW FROM A PUBLIC RIGHT OF WAY. FINAL LOCATION AND SCREENING MEASURES SHALL BE DETERMINED AT TIME OF FINAL SITE PLAN UNDER CHAPTER 13.06 OF THIS TITLE.

LEGAL DESCRIPTION:

THIS IS AN AS-SURVEYED PERIMETER DESCRIPTION AROUND THE SUBJECT PROPERTY AND IS NOT INTENDED TO REPLACE THE RECORD LEGAL DESCRIPTION.

LOT 11, DOUGLAS 234, FILING 6, TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO.



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NOT FOR CONSTRUCTION

TOWN OF PARKER GENERAL NOTES – CONSTRUCTION

- 1. ALL MATERIALS AND CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE COLORADO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION...
2. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE TOWN OF PARKER PUBLIC WORKS DEPARTMENT...
3. A PRECONSTRUCTION MEETING SHALL BE SCHEDULED A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF CONSTRUCTION...
4. THE TOWN INSPECTOR SHALL BE CONTACTED A MINIMUM OF 24 HOURS PRIOR TO A NECESSARY INSPECTION...
5. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ACTUAL CONSTRUCTION...
6. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE PLANS, APPROVED BY THE TOWN OF PARKER DIRECTOR OF ENGINEERING/PUBLIC WORKS...
7. A PLAN FOR TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE SUBMITTED TO THE TOWN OF PARKER FOR ACCEPTANCE...
8. 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."
9. 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.
10. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES AT ALL TIMES DURING CONSTRUCTION...
11. THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN PROPER TRAFFIC CONTROL DEVICES UNTIL THE SITE IS OPEN TO TRAFFIC...
12. PLANS ARE APPROVED FOR PERIOD OF 1 (ONE) YEAR FROM THE DATE SHOWN ON THE TOWN OF PARKER SIGNATURE BLOCK...
13. REPAIR OF ANY DAMAGE TO EXISTING IMPROVEMENTS OR LANDSCAPING IS THE RESPONSIBILITY OF THE CONTRACTOR...
14. ALL DAMAGED EXISTING CURB, GUTTER, AND SIDEWALK SHALL BE REPAIRED PRIOR TO ACCEPTANCE OF COMPLETED IMPROVEMENTS.
15. ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH THE STATE OF COLORADO PERMITTING PROCESS FOR "STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY."
16. 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.
17. ALL REFERENCES TO BOOKS, PAGES, MAPS, AND RECEPTION NUMBER ARE PUBLIC DOCUMENTS ON FILE WITH THE COUNTY CLERK AND RECORDER'S OFFICE

TOWN OF PARKER GENERAL NOTES – ROADWAY NOTES

- 1. PAVING SHALL NOT COMMENCE UNTIL A SOILS REPORT AND PAVEMENT DESIGN IS APPROVED BY THE TOWN OF PARKER AND SUBGRADE COMPACTION TESTS ARE SUBMITTED TO AND APPROVED BY THE TOWN INSPECTOR.
2. STANDARD TOWN OF PARKER CURB RAMPS ARE TO BE CONSTRUCTED AT ALL CURB RETURNS AND AT ALL "T" INTERSECTIONS IN ACCORDANCE WITH THE LATEST TOWN OF PARKER STANDARDS
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 AND S STANDARDS, AND THE TOWN OF PARKER ROADWAY DESIGN AND CONSTRUCTION CRITERIA MANUAL, LATEST EDITION, SHALL APPLY.

TOWN OF PARKER GENERAL NOTES – STORM SEWER SYSTEM

- 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 TO THE CONSTRUCTION OF ALL DRAINAGE INFRASTRUCTURE (STORM SEWERS, INLETS, MANHOLES, ENERGY DISSIPATORS, RIPRAP, GROUDED 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 MANNER THAT THE ENDS ARE FULLY ENTERED AND THE INNER SURFACES ARE REASONABLE FLUSH, AVERAGE JOINT GAP THAT EXCEEDS 1/2 INCH SHALL BE FILLED WITH AN APPROVED FLEXIBLE PLASTIC SEALANT.

TOWN OF PARKER GENERAL NOTES – STORM SEWER SYSTEM (CONT.)

- 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.

TOWN OF PARKER GENERAL NOTES – SIGNAGE AND STRIPING

- 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 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.

TOWN OF PARKER GENERAL NOTES – SIGNAGE AND STRIPING

- 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.

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SEH Project NHOAC 156217
Checked By DEH
Drawn By AMP

Project Status Issue Date
TOWN REVIEW 8/26/2020
TOWN REVIEW 1/22/2021

Revision Issue
Rev. # Description Date
1 TOWN COMMENTS 1/22/21

GENERAL NOTES

C0.1

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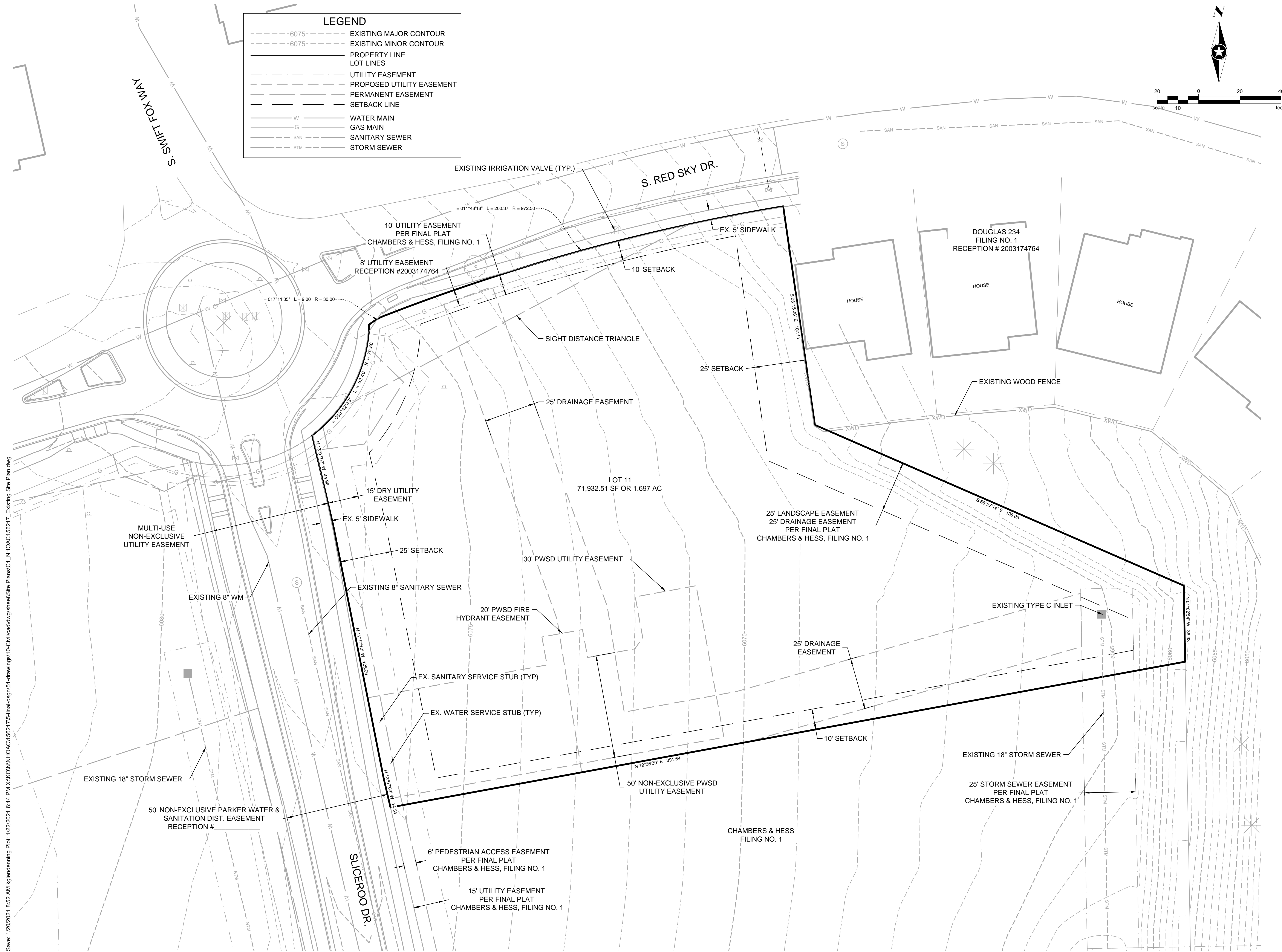
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EXISTING CONDITIONS



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NEW HORIZON ACADEMY -  
DOUGLAS 234 FILING, NO. 6  
PARKER, CO

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SEH Project Checked By Drawn By

Project Status TOWN REVIEW TOWN REVIEW

Issue Date 8/26/2020 1/22/2021

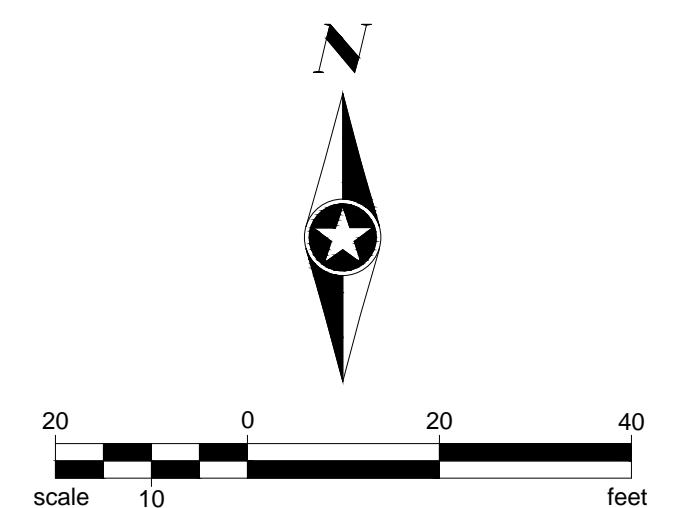
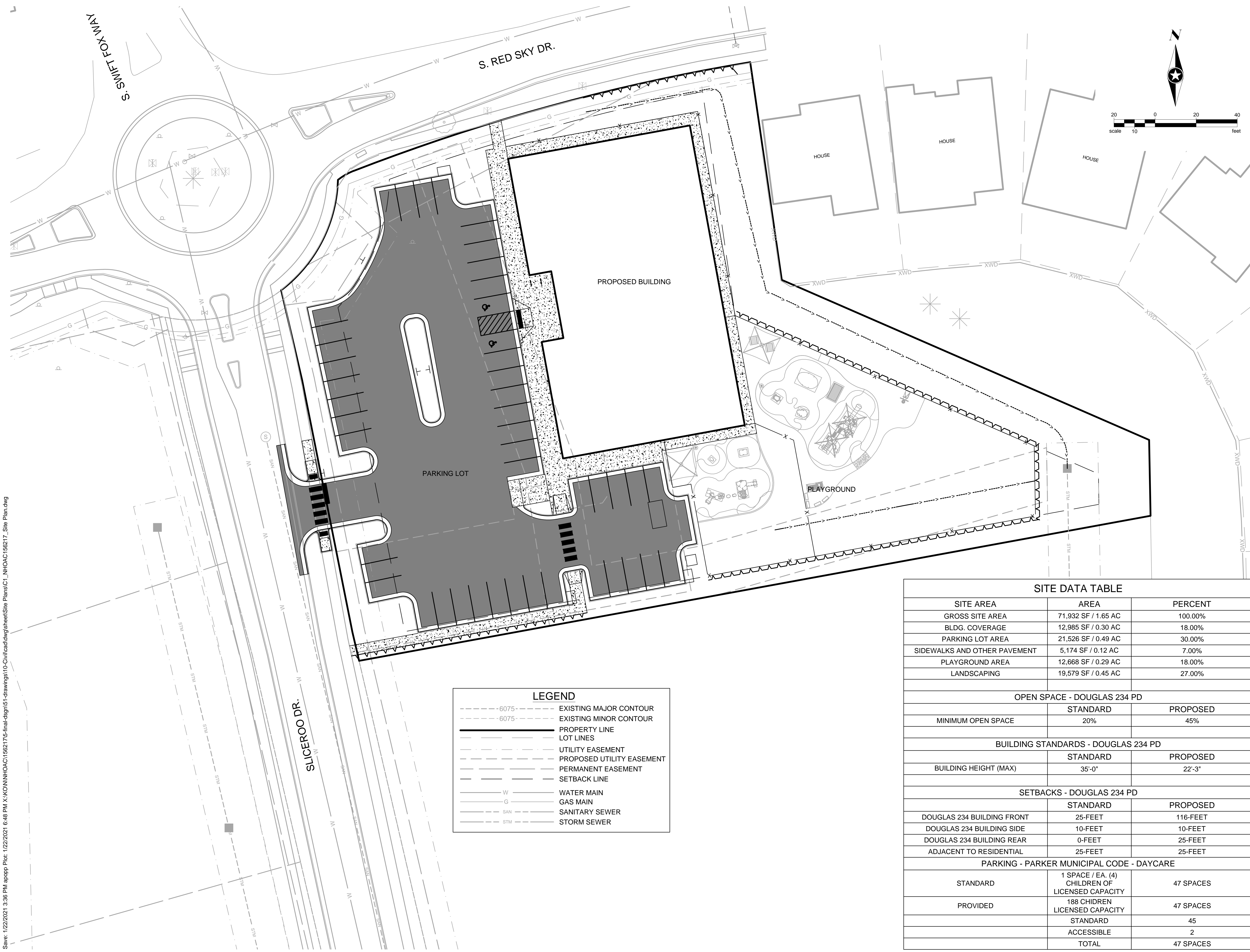
Revision Issue Description Date

1 TOWN COMMENTS 1/22/21

OVERALL SITE



C1.1



**LEGEND**

- - - - -6075- - - - - EXISTING MAJOR CONTOUR
- - - - -6075- - - - - EXISTING MINOR CONTOUR
- PROPERTY LINE
- LOT LINES
- - - - - UTILITY EASEMENT
- - - - - PROPOSED UTILITY EASEMENT
- - - - - PERMANENT EASEMENT
- SETBACK LINE
- W ——— WATER MAIN
- G ——— GAS MAIN
- SAN ——— SANITARY SEWER
- STM ——— STORM SEWER

SITE DATA TABLE		
SITE AREA	AREA	PERCENT
GROSS SITE AREA	71,932 SF / 1.65 AC	100.00%
BLDG. COVERAGE	12,985 SF / 0.30 AC	18.00%
PARKING LOT AREA	21,526 SF / 0.49 AC	30.00%
SIDEWALKS AND OTHER PAVEMENT	5,174 SF / 0.12 AC	7.00%
PLAYGROUND AREA	12,668 SF / 0.29 AC	18.00%
LANDSCAPING	19,579 SF / 0.45 AC	27.00%
OPEN SPACE - DOUGLAS 234 PD		
	STANDARD	PROPOSED
MINIMUM OPEN SPACE	20%	45%
BUILDING STANDARDS - DOUGLAS 234 PD		
	STANDARD	PROPOSED
BUILDING HEIGHT (MAX)	35'-0"	22'-3"
SETBACKS - DOUGLAS 234 PD		
	STANDARD	PROPOSED
DOUGLAS 234 BUILDING FRONT	25- FEET	116- FEET
DOUGLAS 234 BUILDING SIDE	10- FEET	10- FEET
DOUGLAS 234 BUILDING REAR	0- FEET	25- FEET
ADJACENT TO RESIDENTIAL	25- FEET	25- FEET
PARKING - PARKER MUNICIPAL CODE - DAYCARE		
STANDARD	1 SPACE / EA. (4) CHILDREN OF LICENSED CAPACITY	47 SPACES
PROVIDED	188 CHIDREN LICENSED CAPACITY	47 SPACES
	STANDARD	45
	ACCESSIBLE	2
	TOTAL	47 SPACES

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**NOT FOR  
CONSTRUCTION**

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**NEW HORIZON ACADEMY -  
DOUGLAS 234 FILING, NO. 6  
PARKER, CO**

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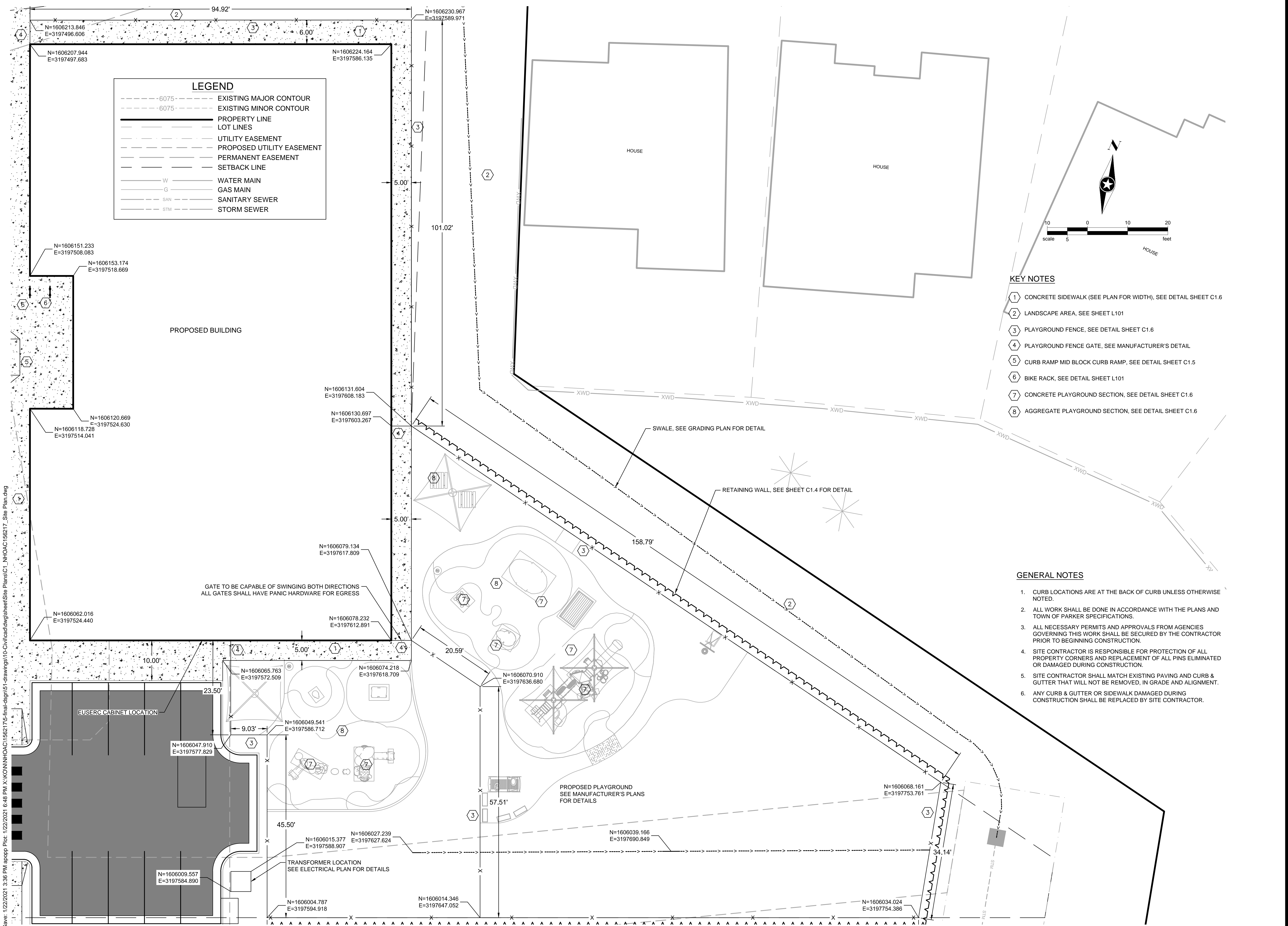
Project Status: TOWN REVIEW  
Issue Date: 8/26/2020  
TOWN REVIEW: 1/22/2021

Rev. #	Description	Date
1	TOWN COMMENTS	1/22/21

BUILDING SITE LAYOUT

1

**C1.2**



**LEGEND**

- - - - -6075- - - - - EXISTING MAJOR CONTOUR
- - - - -6075- - - - - EXISTING MINOR CONTOUR
- PROPERTY LINE
- LOT LINES
- - - - - UTILITY EASEMENT
- - - - - PROPOSED UTILITY EASEMENT
- PERMANENT EASEMENT
- SETBACK LINE
- W — WATER MAIN
- G — GAS MAIN
- SAN — SANITARY SEWER
- STM — STORM SEWER

- KEY NOTES**
- 1 CONCRETE SIDEWALK (SEE PLAN FOR WIDTH), SEE DETAIL SHEET C1.6
  - 2 LANDSCAPE AREA, SEE SHEET L101
  - 3 PLAYGROUND FENCE, SEE DETAIL SHEET C1.6
  - 4 PLAYGROUND FENCE GATE, SEE MANUFACTURER'S DETAIL
  - 5 CURB RAMP MID BLOCK CURB RAMP, SEE DETAIL SHEET C1.5
  - 6 BIKE RACK, SEE DETAIL SHEET L101
  - 7 CONCRETE PLAYGROUND SECTION, SEE DETAIL SHEET C1.6
  - 8 AGGREGATE PLAYGROUND SECTION, SEE DETAIL SHEET C1.6

- GENERAL NOTES**
1. CURB LOCATIONS ARE AT THE BACK OF CURB UNLESS OTHERWISE NOTED.
  2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS AND TOWN OF PARKER SPECIFICATIONS.
  3. ALL NECESSARY PERMITS AND APPROVALS FROM AGENCIES GOVERNING THIS WORK SHALL BE SECURED BY THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION.
  4. SITE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL PROPERTY CORNERS AND REPLACEMENT OF ALL PINS ELIMINATED OR DAMAGED DURING CONSTRUCTION.
  5. SITE CONTRACTOR SHALL MATCH EXISTING PAVING AND CURB & GUTTER THAT WILL NOT BE REMOVED, IN GRADE AND ALIGNMENT.
  6. ANY CURB & GUTTER OR SIDEWALK DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY SITE CONTRACTOR.

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**KEY NOTES**

- 1 CONCRETE SIDEWALK (SEE PLAN FOR WIDTH), SEE DETAIL SHEET C1.6
- 2 LANDSCAPE AREA, SEE LANDSCAPE PLANS
- 3 PLAYGROUND FENCE, SEE DETAIL SHEET C1.6
- 4 PLAYGROUND FENCE GATE, SEE MANUFACTURER'S DETAIL
- 5 CURB RAMP MID BLOCK CURB RAMP, SEE DETAIL SHEET C1.5
- 6 BIKE RACK, SEE LANDSCAPE PLANS
- 7 ASPHALT PARKING LOT, SEE DETAIL SHEET C1.6
- 8 CONCRETE DUMPSTER PAD, SEE DETAIL SHEET C1.6
- 9 DUMPSTER ENCLOSURE FENCE, SEE ARCHITECTURAL PLANS
- 10 DUMPSTER ENCLOSURE FENCE GATE, SEE ARCHITECTURAL PLANS
- 11 VERTICAL CURB AND GUTTER SECTION (CATCH), SEE DETAIL SHEET C1.5
- 12 VERTICAL CURB AND GUTTER SECTION (SPILL), SEE DETAIL SHEET C1.5
- 13 DIRECTIONAL CURB RAMP WITHIN RADIUS, SEE DETAIL SHEET C1.5
- 14 PEDESTRIAN CURB RAMP FOR SIDEWALK OR TRAIL, SEE DETAIL SHEET C1.5

**LEGEND**

- - - - -6075- EXISTING MAJOR CONTOUR
- - - - -6075- EXISTING MINOR CONTOUR
- PROPERTY LINE
- LOT LINES
- - - - - UTILITY EASEMENT
- - - - - PROPOSED UTILITY EASEMENT
- PERMANENT EASEMENT
- SETBACK LINE
- W ————— WATER MAIN
- G ————— GAS MAIN
- SAN ————— SANITARY SEWER
- STM ————— STORM SEWER

CONNECT TO EXISTING SIDEWALK

**RADIUS TABLE**

POINT #	NORTHING	EASTING	RADIUS
1	1606004.909	3197526.268	4.5'
2	1605989.988	3197446.653	4.5'
3	1606027.163	3197433.881	4.5'
4	1606060.532	3197427.345	4.5'
5	1606157.222	3197406.08	4.5'
6	1606199.903	3197344.409	94.5'
7	1606190.568	3197476.979	4.5'
8	1606176.196	3197415.564	26.5'
9	1606083.346	3197460.281	4.5'
10	1606083.483	3197461.027	4.5'
11	1606126.604	3197453.119	0.75'
12	1606126.224	3197451.049	0.75'
13	1606017.4	3197408.364	9.5'
14	1606060.7	3197400.543	9.5'
15	1606052.341	3197399.005	1.0'
16	1606053.237	3197406.972	1.0'
17	1606026.667	3197411.771	1.0'
18	1606024.694	3197403.998	1.0'
19	1606006.172	3197533.153	1.50'
20	1606014.926	3197586.448	4.50'
21	1606048.363	3197580.287	4.50'
22	1606037.647	3197527.385	1.50'
23	1606054.09	3197517.256	19.50'
24	1606039.096	3197507.297	1.50'

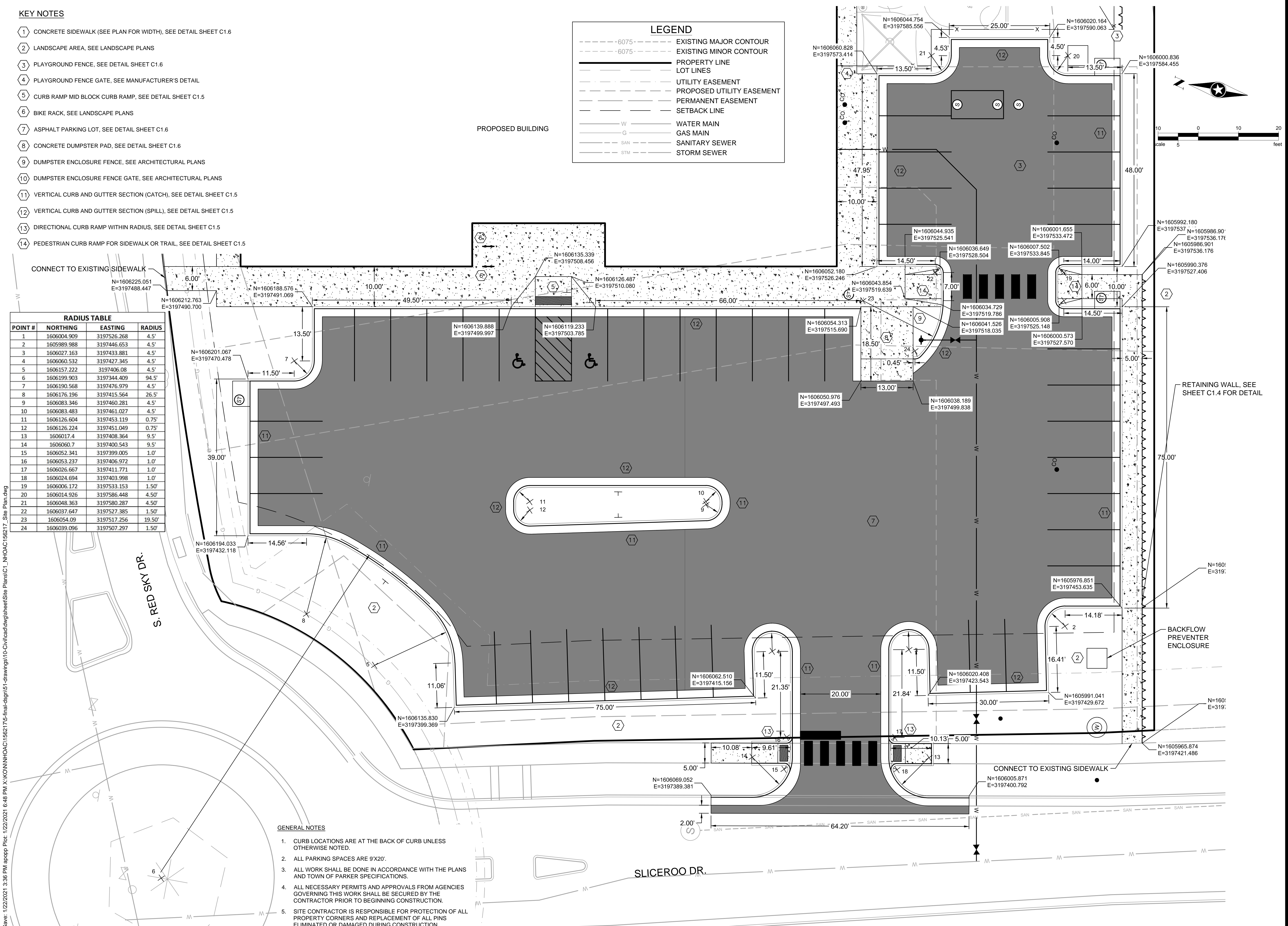
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S. RED SKY DR.

SLICEROO DR.

**GENERAL NOTES**

- 1. CURB LOCATIONS ARE AT THE BACK OF CURB UNLESS OTHERWISE NOTED.
- 2. ALL PARKING SPACES ARE 9'X20'.
- 3. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS AND TOWN OF PARKER SPECIFICATIONS.
- 4. ALL NECESSARY PERMITS AND APPROVALS FROM AGENCIES GOVERNING THIS WORK SHALL BE SECURED BY THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION.
- 5. SITE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL PROPERTY CORNERS AND REPLACEMENT OF ALL PINS ELIMINATED OR DAMAGED DURING CONSTRUCTION.



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**NEW HORIZON ACADEMY - DOUGLAS 234 FILING, NO. 6**  
PARKER, CO

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Project Status Issue Date  
TOWN REVIEW 8/26/2020  
TOWN REVIEW 1/22/2021

Revision Issue  
Rev. # Description Date  
1 TOWN COMMENTS 1/22/21

PARKING LOT SITE LAYOUT

**C1.3**

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**SEH Project** NHOAC 156217  
**Checked By** DJH  
**Drawn By** AMP

**Project Status** Issue Date  
TOWN REVIEW 8/26/2020  
TOWN REVIEW 1/22/2021

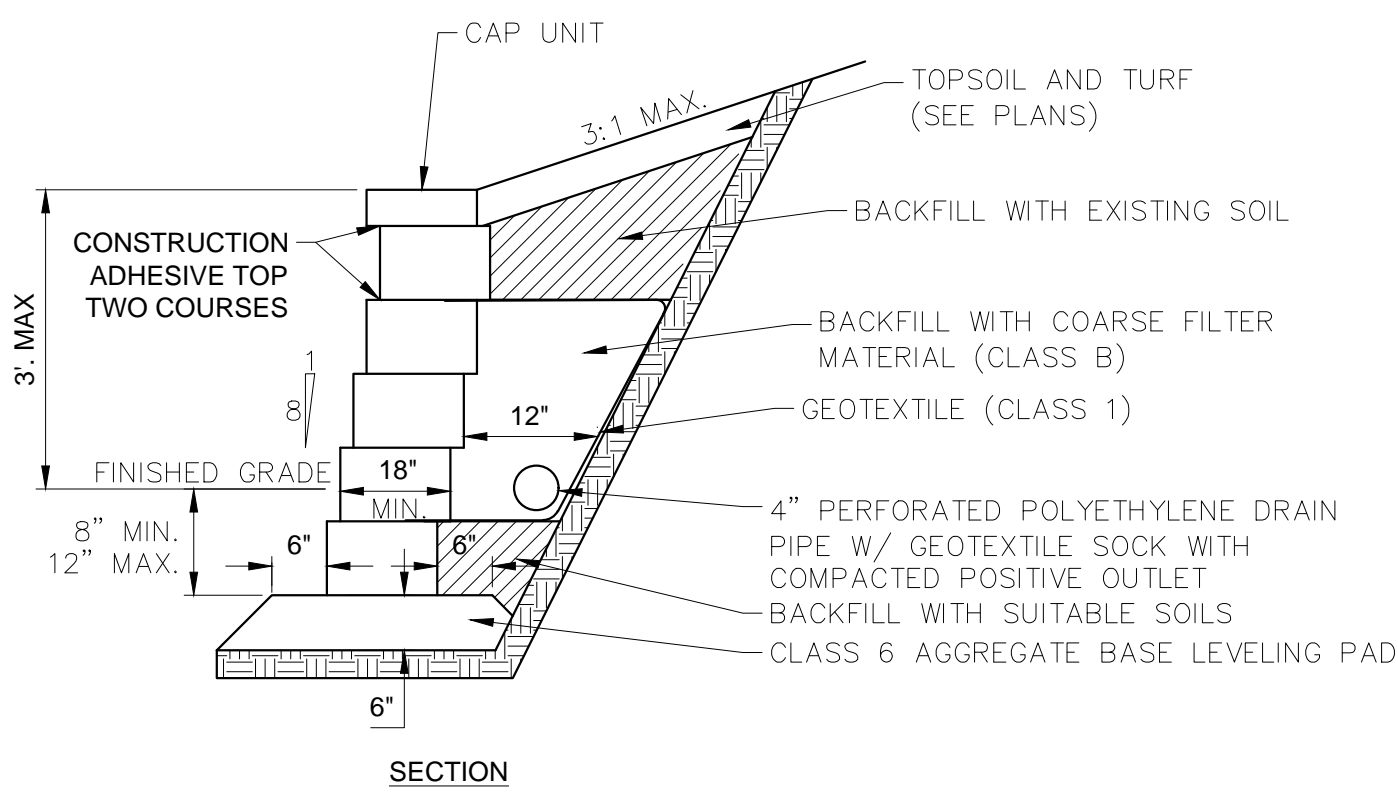
Rev. #	Description	Date
1	TOWN COMMENTS	1/22/21

RETAINING WALL PLAN

1

**C1.4**

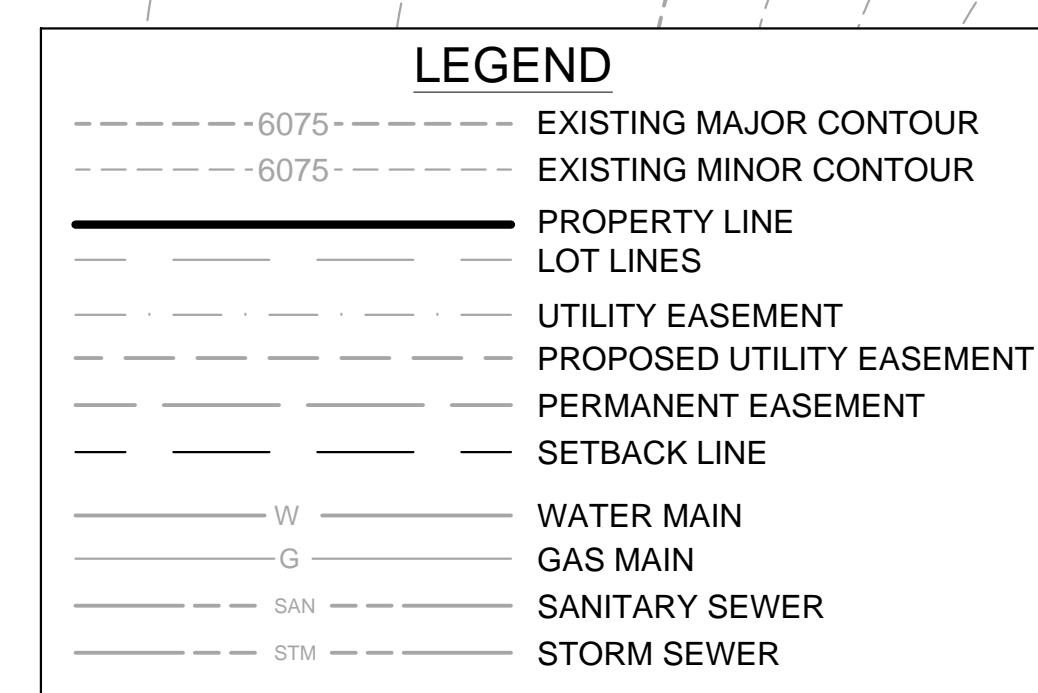
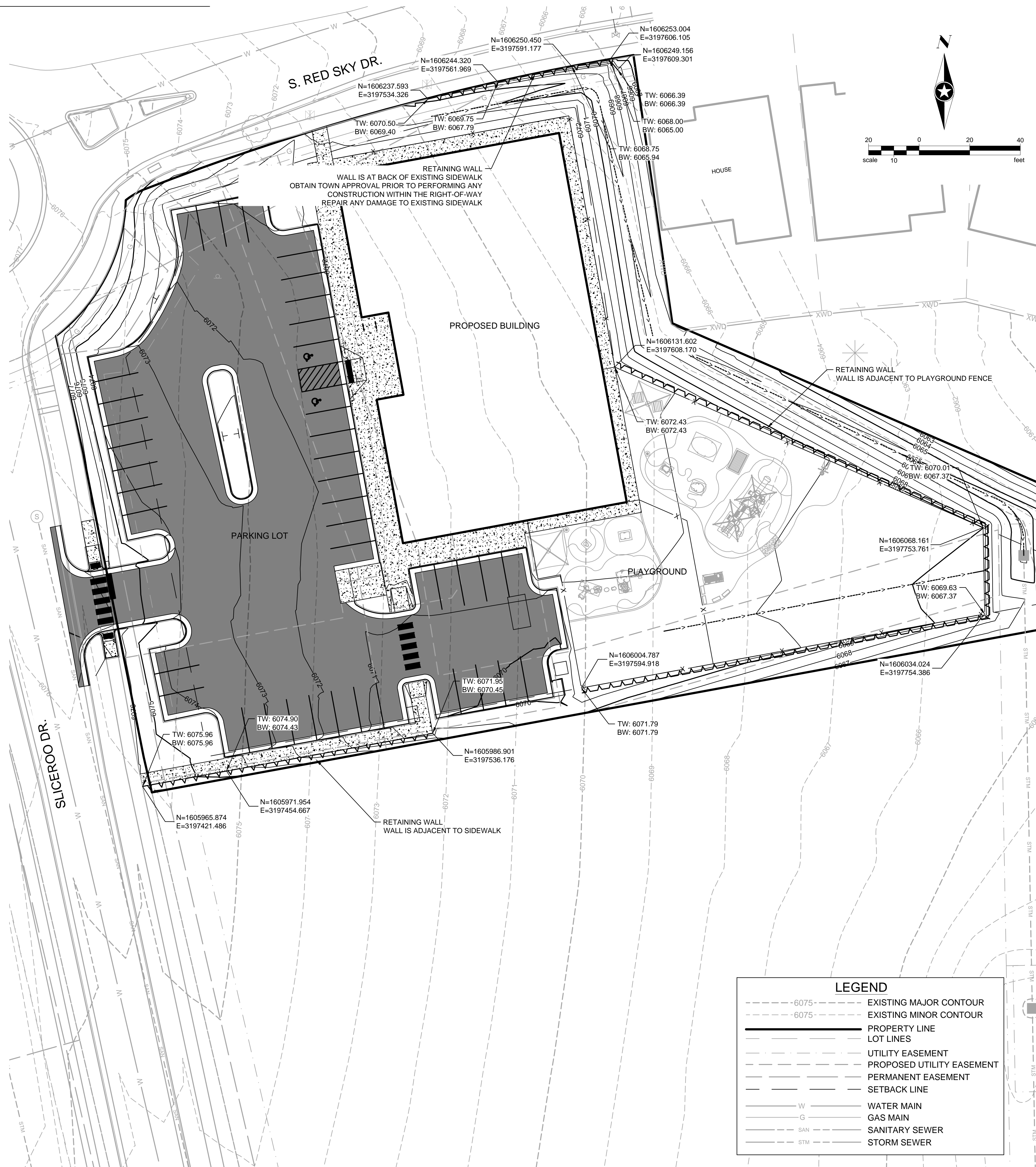
- NOTES:**
1. MAXIMUM EXPOSED HEIGHT NOT TO EXCEED 3 FEET. A SPECIFIC ENGINEERED DESIGN IS REQUIRED FOR WALLS WITH AN EXPOSED HEIGHT OVER 3 FEET.
  2. FILL ALL VOID AREAS IN MODULAR BLOCK UNITS WITH COARSE FILTER MATERIAL (CLASS B) OR PEA GRAVEL AS APPROVED BY ENGINEER.
  3. MODULAR BLOCK UNITS MUST HAVE INTERLOCKING LIP OR PIN CONNECTIONS.
  4. RETAINING WALL LOCATION SHOWN ON PLANS.
  5. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR PROPOSED MODULAR BLOCK UNITS.
  6. OUTLET DRAIN PIPE TO A STORM SEWER CATCH BASIN OR MANHOLE OR THROUGH FACE OF WALL.
  7. RETAINING WALL BLOCK TO BE SPLIT FACE AND MATCH BUILDING COLOR PALETTE.



NTS

Revised:  
Oct. 2011  
SEH Plate No.  
MISC-02

**RETAINING WALL DETAIL  
GRAVITY WALL**



**NOT FOR  
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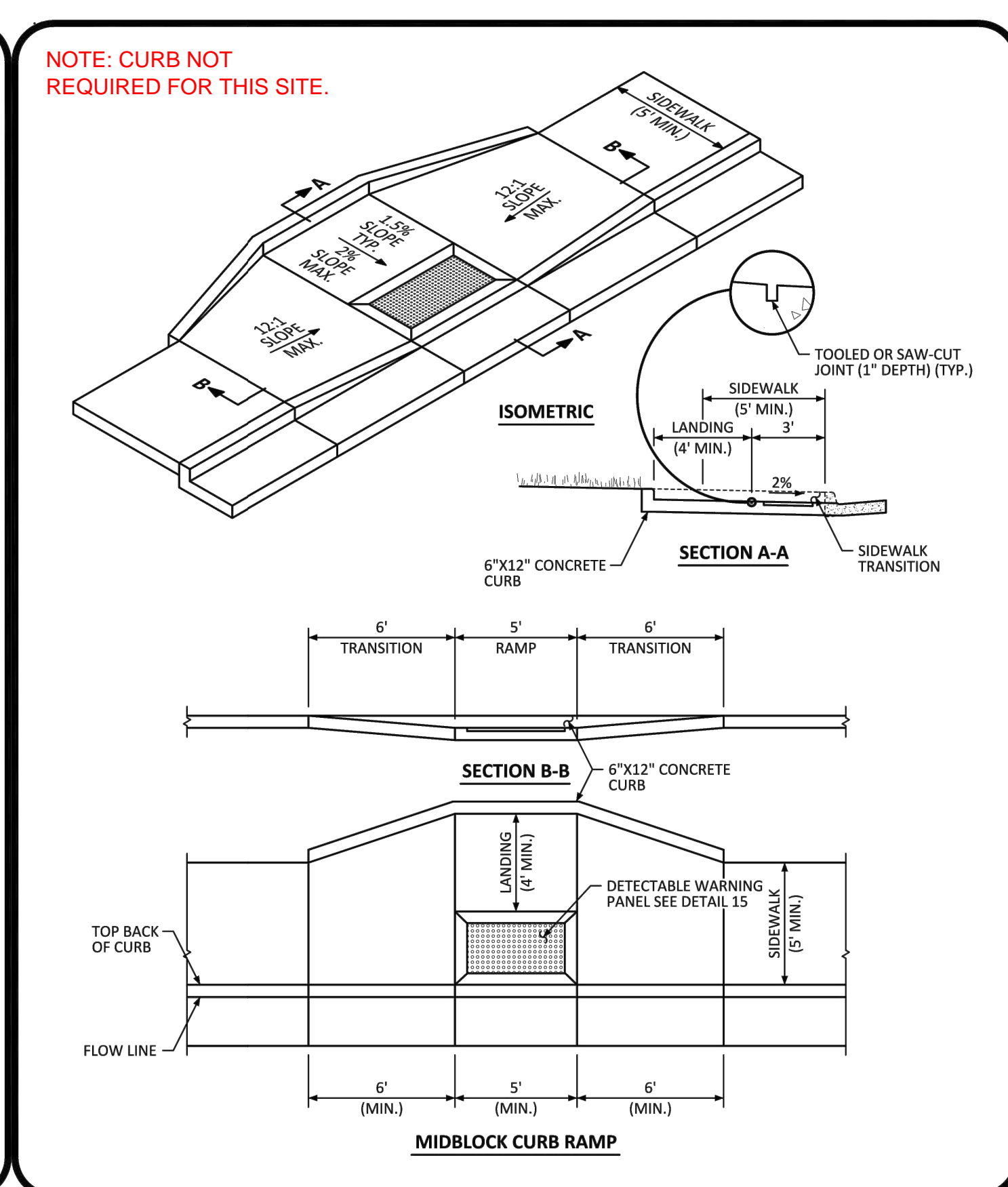
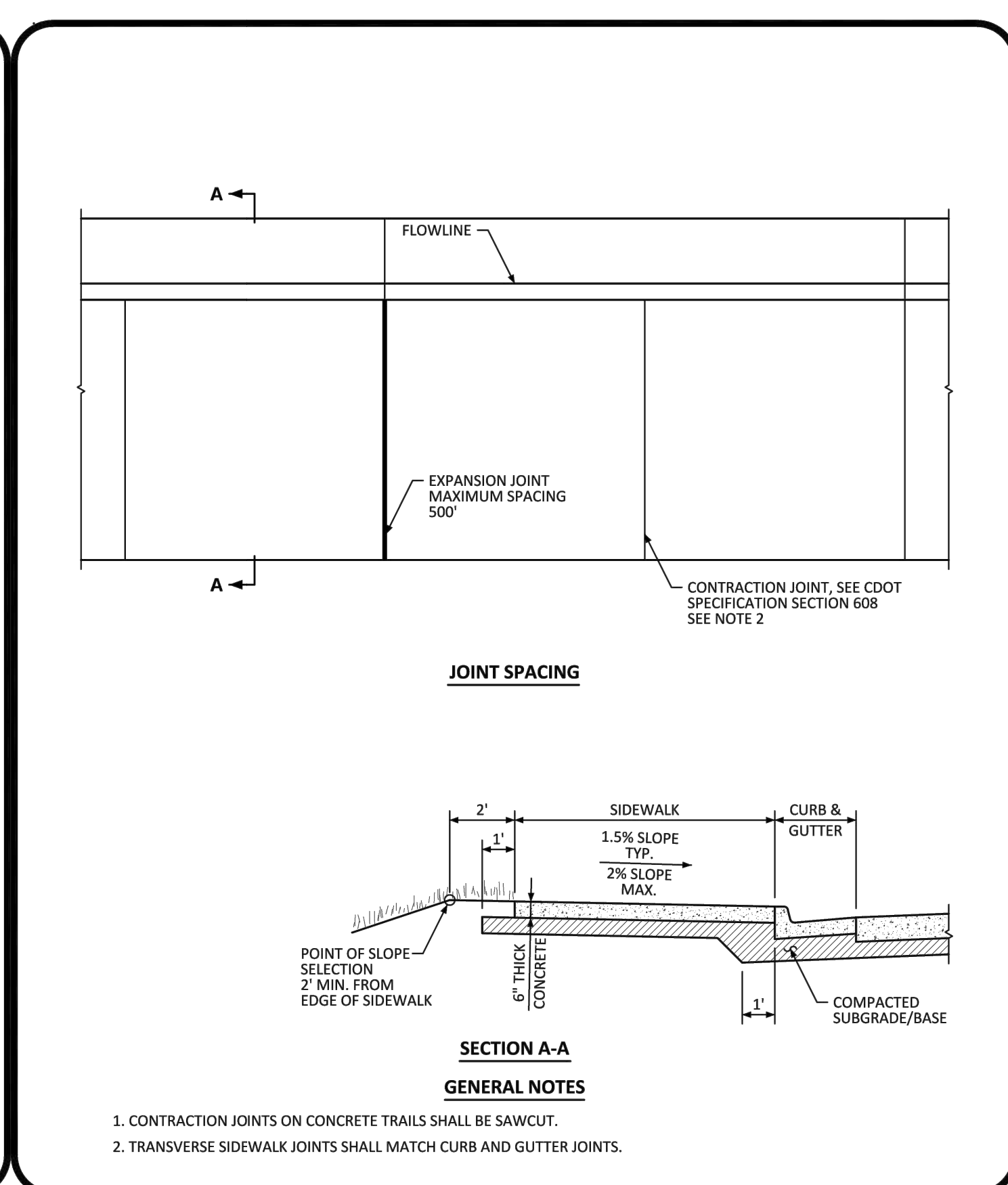
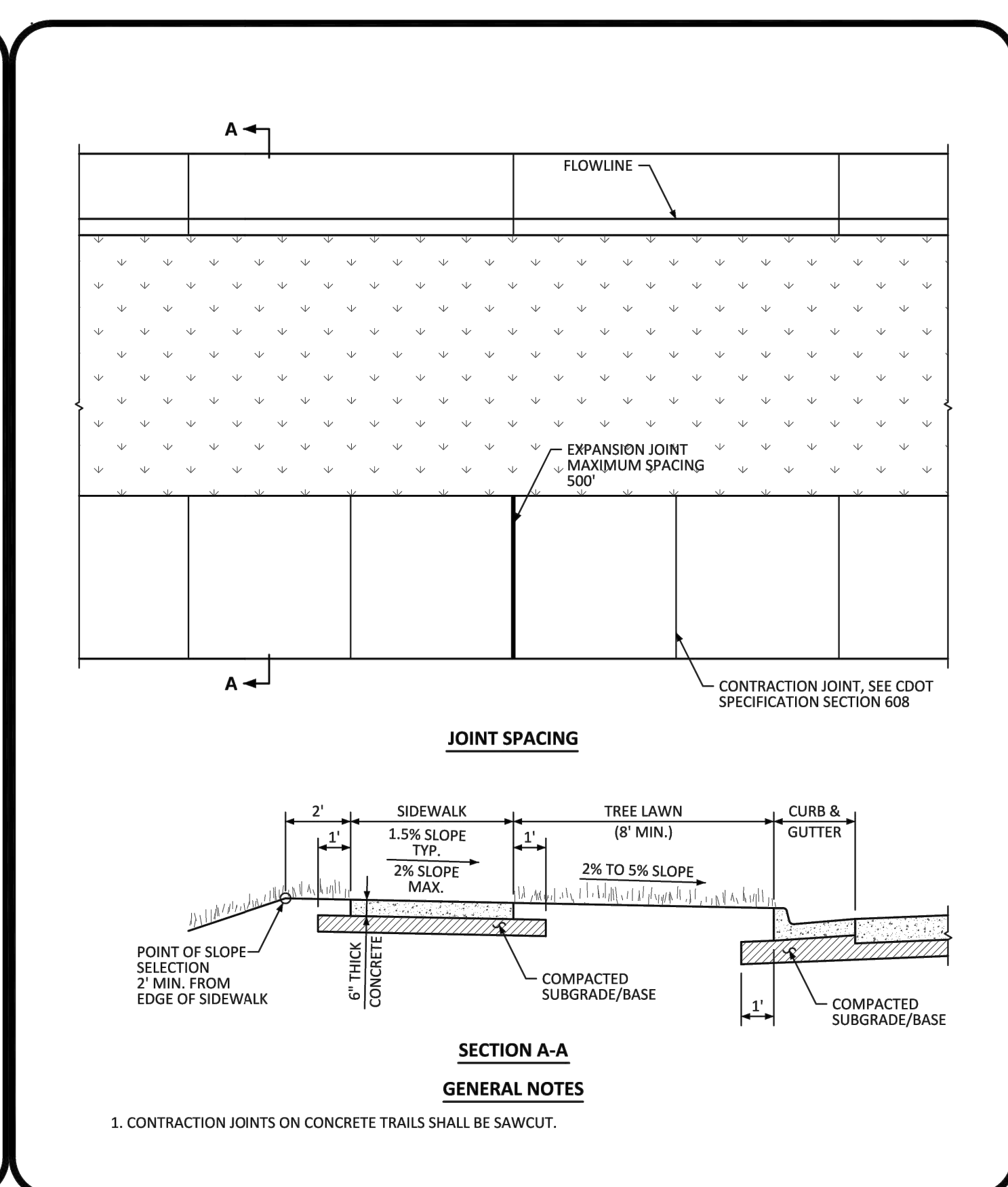
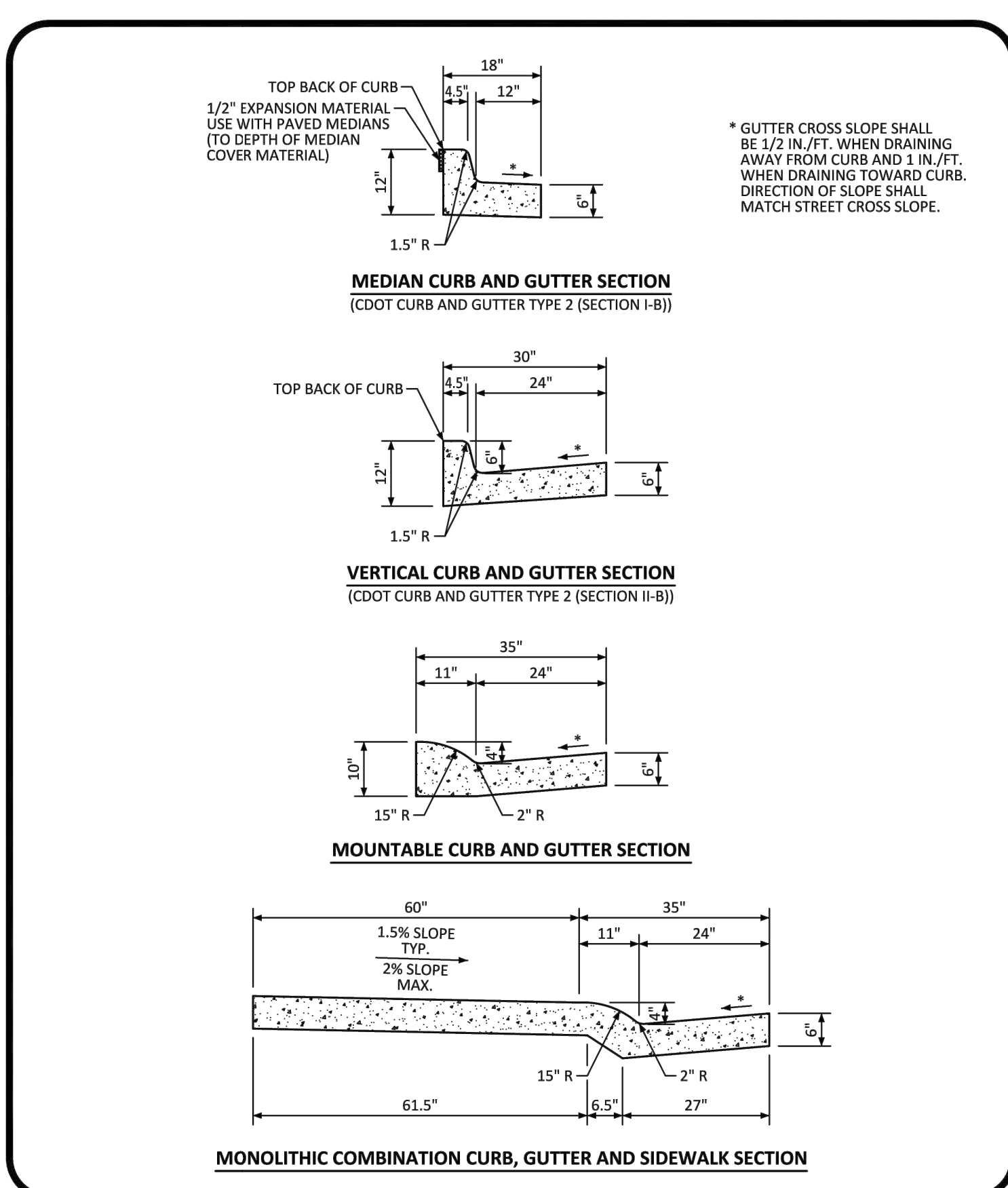
Project Status: TOWN REVIEW Issue Date: 8/26/2020  
TOWN REVIEW 1/22/2021

Revision Issue  
Rev. # Description Date  
1 TOWN COMMENTS 1/22/21

CIVIL DETAILS

1

C1.5



**PARKER COLORADO**

**CURB, GUTTER, AND SIDEWALK SECTIONS STANDARD DETAIL**

DATE: DECEMBER 2016

DETAIL: 3

1 OF 1

**PARKER COLORADO**

**DETACHED SIDEWALK STANDARD DETAIL**

DATE: DECEMBER 2016

DETAIL: 4

1 OF 2

**PARKER COLORADO**

**ATTACHED SIDEWALK STANDARD DETAIL**

DATE: DECEMBER 2016

DETAIL: 4

2 OF 2

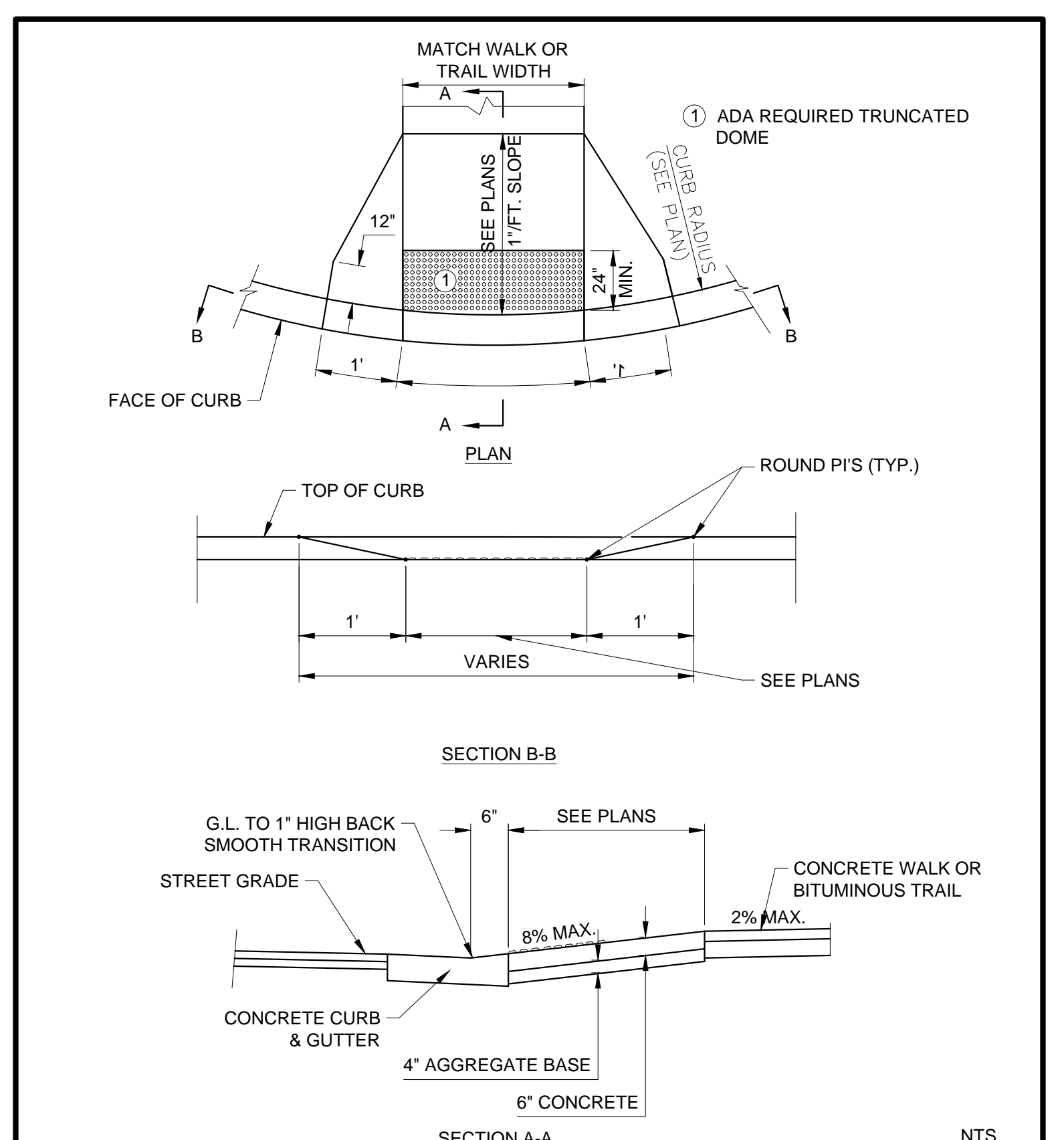
**PARKER COLORADO**

**MIDBLOCK CURB RAMP LAYOUT STANDARD DETAIL**

DATE: DECEMBER 2016

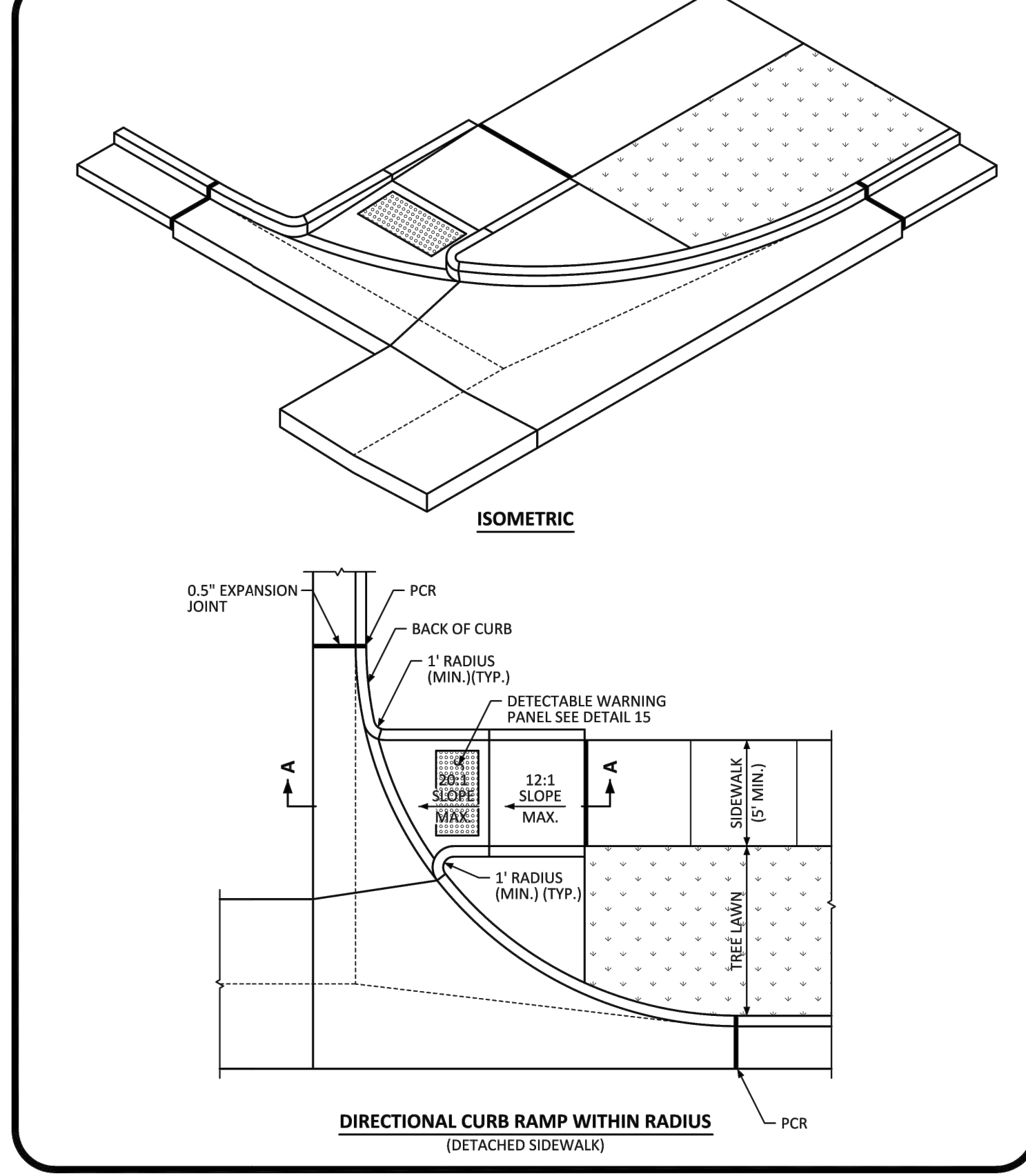
DETAIL: 17

2 OF 2



**SEH**

Revised: Oct. 2011  
SEH Plate No. STR-04



**PARKER COLORADO**

**DIRECTIONAL CURB RAMP WITHIN RADIUS LAYOUT STANDARD DETAIL**

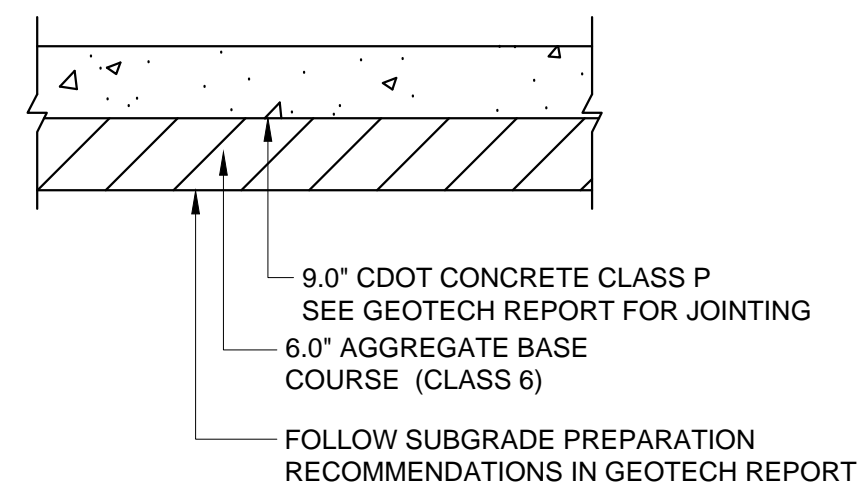
DATE: DECEMBER 2016

DETAIL: 18

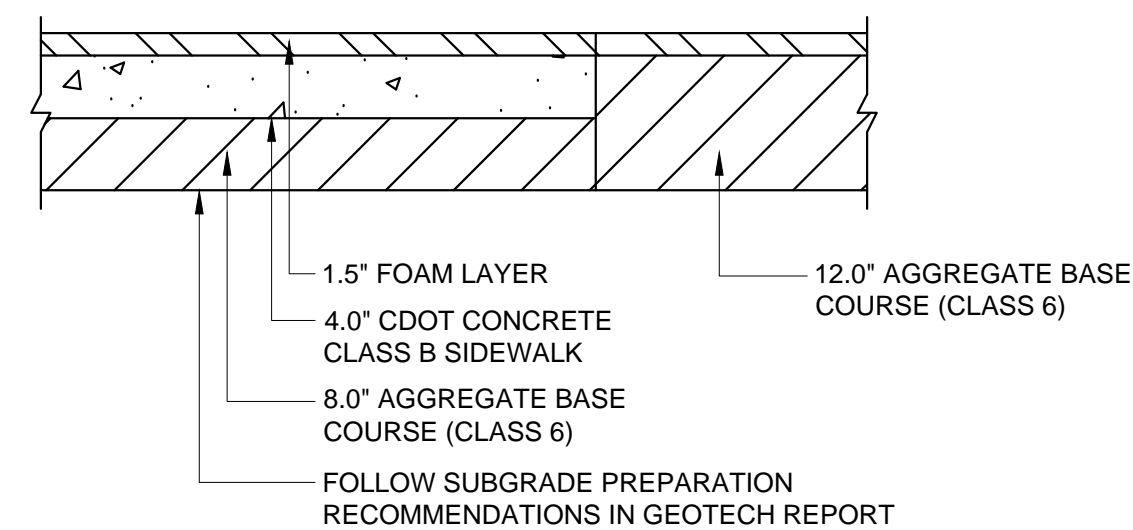
2 OF 2

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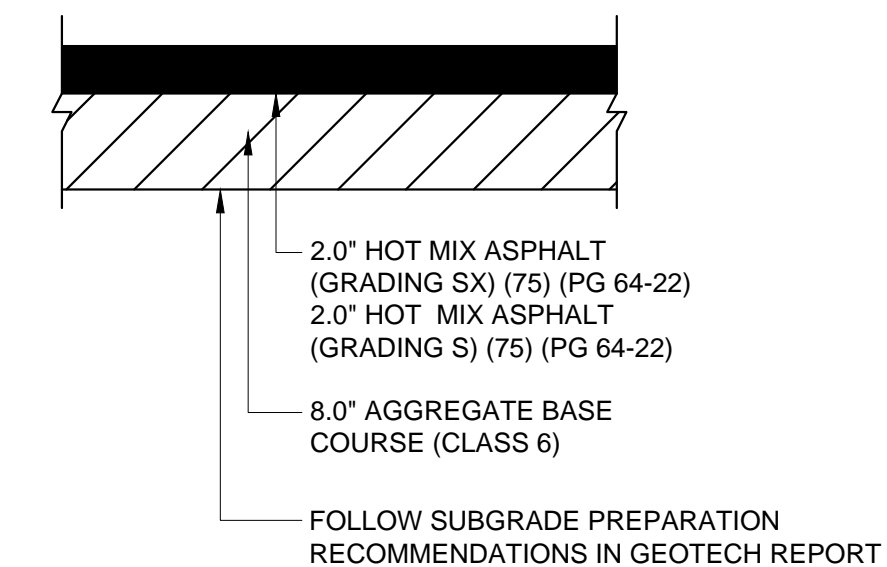
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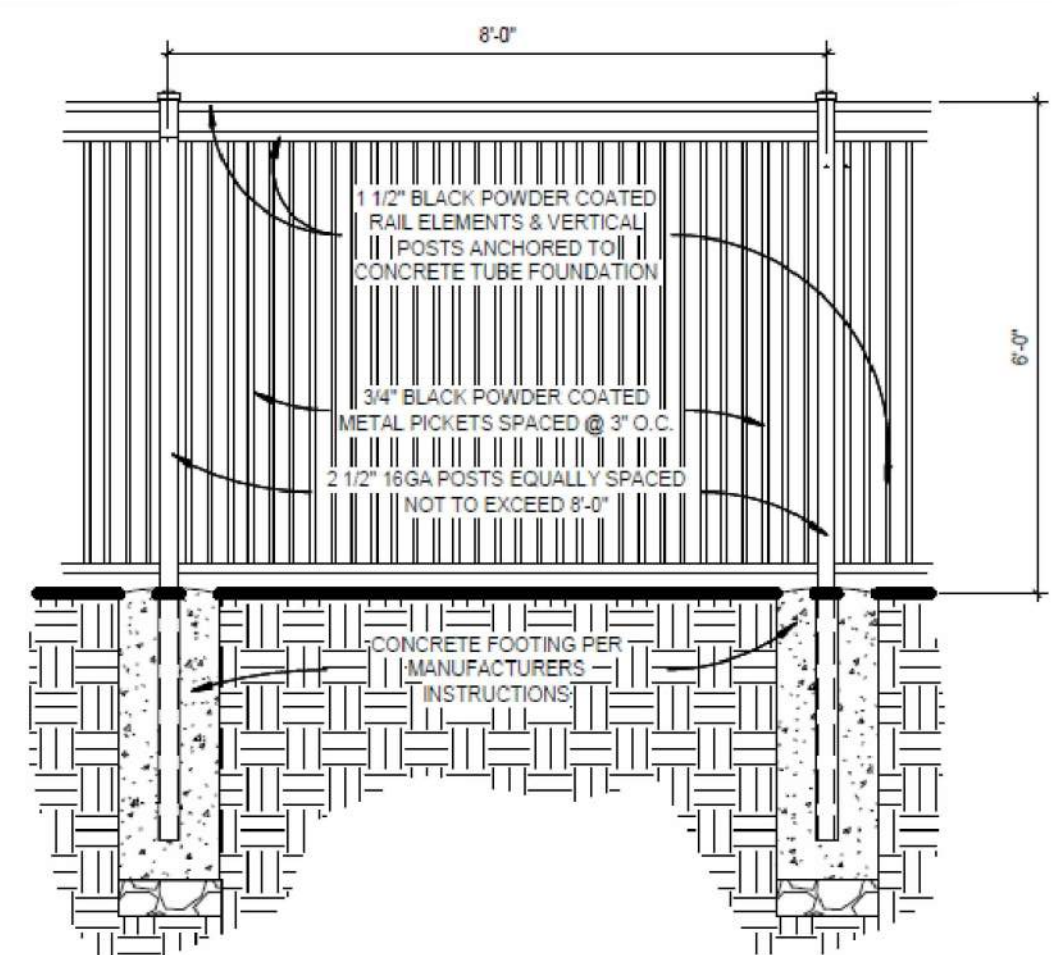
**CONCRETE DUMPSTER PAD**  
NTS



**PLAYGROUND SECTION**  
NTS



**ASPHALT PARKING LOT**  
NTS



**PLAYGROUND FENCE DETAIL**  
1/2" = 1'-0"

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SEH Project: NHOAC 156217  
Checked By: DEH  
Drawn By: AMP

Project Status: Issue Date  
TOWN REVIEW: 8/26/2020  
TOWN REVIEW: 1/22/2021

Revision Issue  
Rev. # Description Date  
1 TOWN COMMENTS 1/22/21

CIVIL DETAILS

1

C1.6



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Owner: New Horizon Academy... Architect: Short Elliot Hendrickson, Inc... Civil Engineer: Short Elliot Hendrickson, Inc... Mechanical Engineer: Short Elliot Hendrickson, Inc... Electrical Engineer: Short Elliot Hendrickson, Inc

NEW HORIZON ACADEMY - DOUGLAS 234 FILING, NO. 6 PARKER, CO

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SEH Project Checked By Drawn By

Project Status: TOWN REVIEW, TOWN REVIEW. Issue Date: 8/26/2020, 1/22/2021

Revision Issue: TOWN COMMENTS. Date: 1/22/21

GRADING PLAN

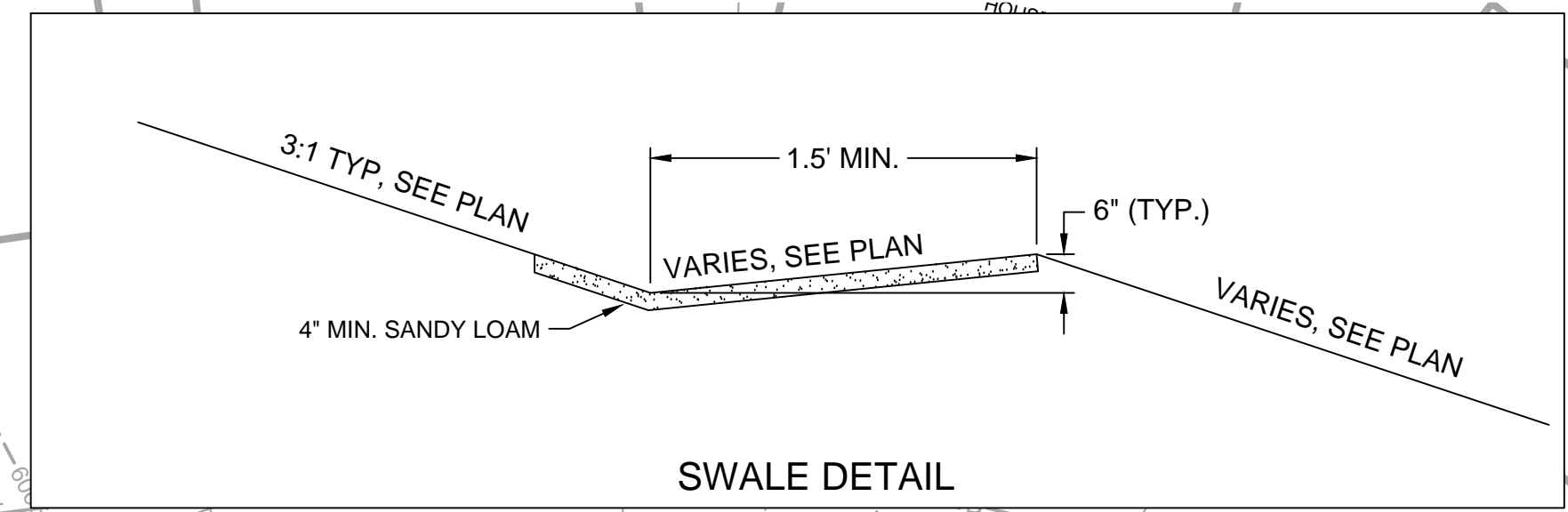
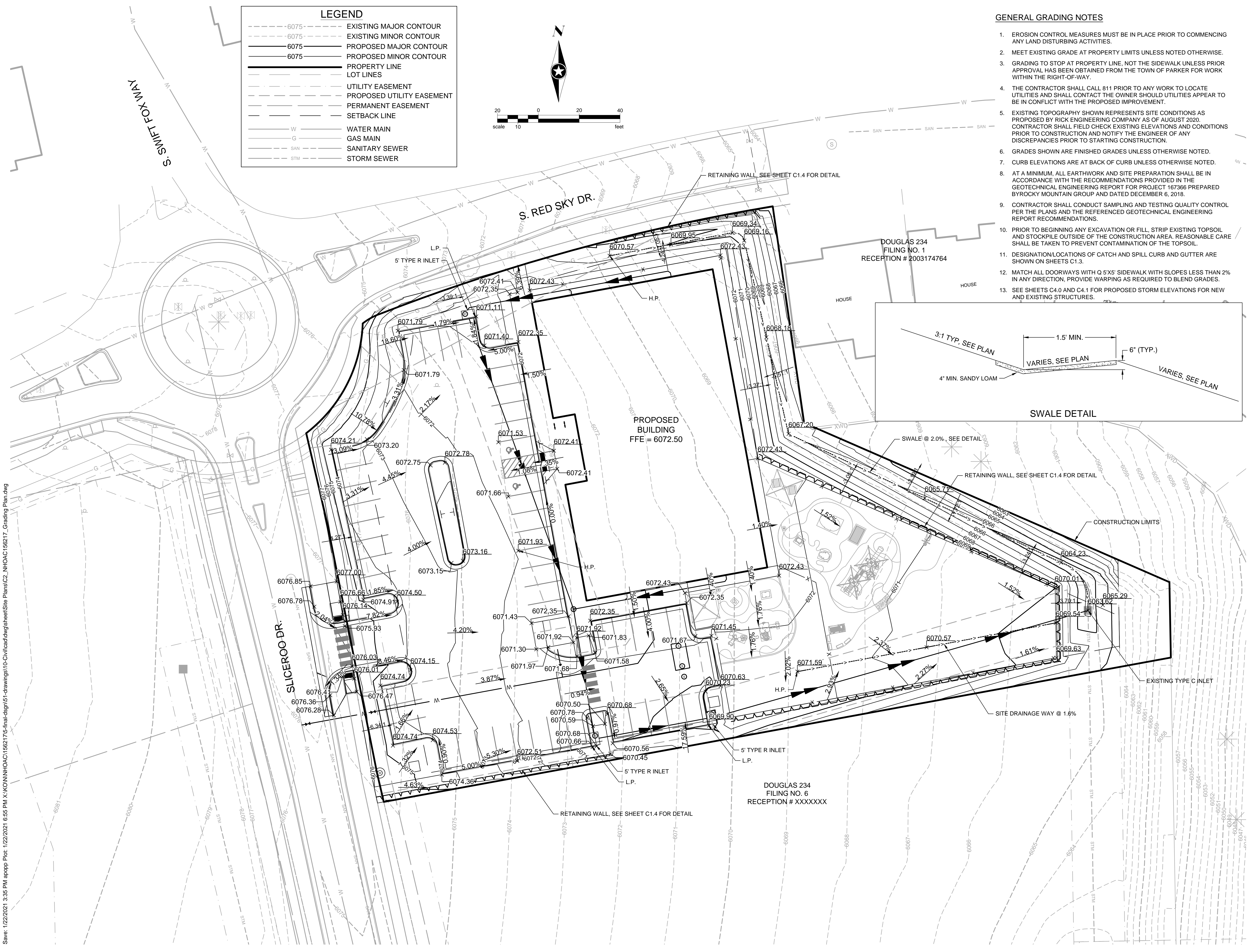
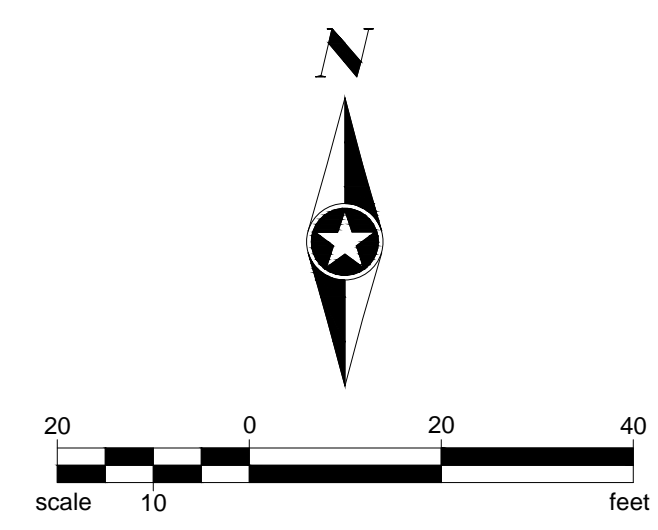


C2.0

GENERAL GRADING NOTES

- 1. EROSION CONTROL MEASURES MUST BE IN PLACE PRIOR TO COMMENCING ANY LAND DISTURBING ACTIVITIES. 2. MEET EXISTING GRADE AT PROPERTY LIMITS UNLESS NOTED OTHERWISE. 3. GRADING TO STOP AT PROPERTY LINE, NOT THE SIDEWALK UNLESS PRIOR APPROVAL HAS BEEN OBTAINED FROM THE TOWN OF PARKER FOR WORK WITHIN THE RIGHT-OF-WAY. 4. 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. 5. EXISTING TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS AS PROPOSED BY RICK ENGINEERING COMPANY AS OF AUGUST 2020. CONTRACTOR SHALL FIELD CHECK EXISTING ELEVATIONS AND CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING CONSTRUCTION. 6. GRADES SHOWN ARE FINISHED GRADES UNLESS OTHERWISE NOTED. 7. CURB ELEVATIONS ARE AT BACK OF CURB UNLESS OTHERWISE NOTED. 8. AT A MINIMUM, ALL EARTHWORK AND SITE PREPARATION SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL ENGINEERING REPORT FOR PROJECT 167366 PREPARED BY ROCKY MOUNTAIN GROUP AND DATED DECEMBER 6, 2018. 9. CONTRACTOR SHALL CONDUCT SAMPLING AND TESTING QUALITY CONTROL PER THE PLANS AND THE REFERENCED GEOTECHNICAL ENGINEERING REPORT RECOMMENDATIONS. 10. PRIOR TO BEGINNING ANY EXCAVATION OR FILL, STRIP EXISTING TOPSOIL AND STOCKPILE OUTSIDE OF THE CONSTRUCTION AREA. REASONABLE CARE SHALL BE TAKEN TO PREVENT CONTAMINATION OF THE TOPSOIL. 11. DESIGNATION/LOCATIONS OF CATCH AND SPILL CURB AND GUTTER ARE SHOWN ON SHEETS C1.3. 12. MATCH ALL DOORWAYS WITH Q 5'X5' SIDEWALK WITH SLOPES LESS THAN 2% IN ANY DIRECTION, PROVIDE WARPING AS REQUIRED TO BLEND GRADES. 13. SEE SHEETS C4.0 AND C4.1 FOR PROPOSED STORM ELEVATIONS FOR NEW AND EXISTING STRUCTURES.

LEGEND: 6075- EXISTING MAJOR CONTOUR, 6075- EXISTING MINOR CONTOUR, 6075- PROPOSED MAJOR CONTOUR, 6075- PROPOSED MINOR CONTOUR, PROPERTY LINE, LOT LINES, UTILITY EASEMENT, PROPOSED UTILITY EASEMENT, PERMANENT EASEMENT, SETBACK LINE, WATER MAIN, GAS MAIN, SANITARY SEWER, STORM SEWER



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DOUGLAS 234 FILING, NO. 6  
PARKER, CO

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SEH Project: NHOAC 156217  
Checked By: DJH  
Drawn By: AMP

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Project Status: TOWN REVIEW  
Issue Date: 8/26/2021

TOWN REVIEW: 1/22/2021

Revision Issue

Rev. #	Description	Date
1	TOWN COMMENTS	1/22/21

INITIAL CBMP PLAN

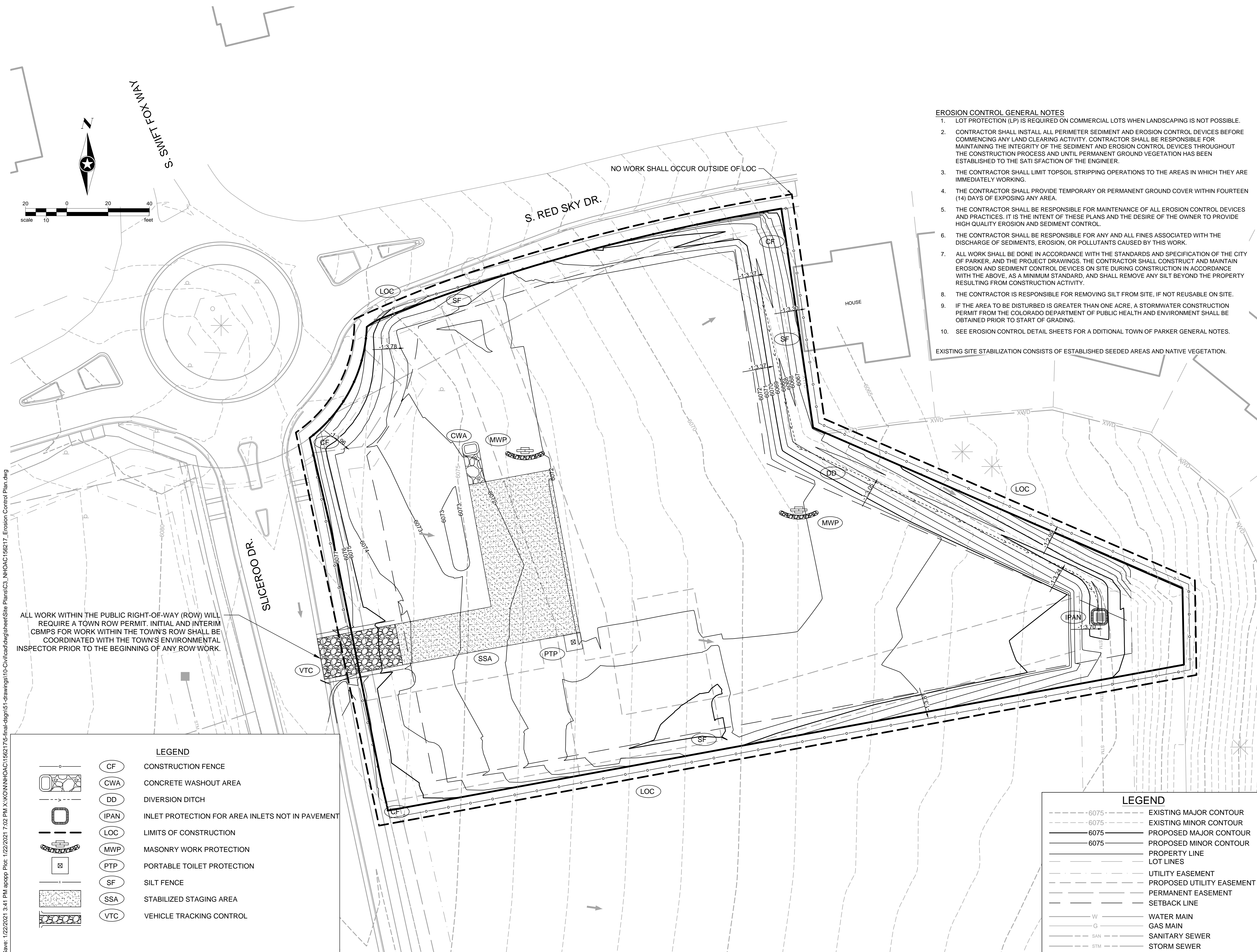
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**C3.0**

**EROSION CONTROL GENERAL NOTES**

1. LOT PROTECTION (LP) IS REQUIRED ON COMMERCIAL LOTS WHEN LANDSCAPING IS NOT POSSIBLE.
2. CONTRACTOR SHALL INSTALL ALL PERIMETER SEDIMENT AND EROSION CONTROL DEVICES BEFORE COMMENCING ANY LAND CLEARING ACTIVITY. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF THE SEDIMENT AND EROSION CONTROL DEVICES THROUGHOUT THE CONSTRUCTION PROCESS AND UNTIL PERMANENT GROUND VEGETATION HAS BEEN ESTABLISHED TO THE SATISFACTION OF THE ENGINEER.
3. THE CONTRACTOR SHALL LIMIT TOPSOIL STRIPPING OPERATIONS TO THE AREAS IN WHICH THEY ARE IMMEDIATELY WORKING.
4. THE CONTRACTOR SHALL PROVIDE TEMPORARY OR PERMANENT GROUND COVER WITHIN FOURTEEN (14) DAYS OF EXPOSING ANY AREA.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL DEVICES AND PRACTICES. IT IS THE INTENT OF THESE PLANS AND THE DESIRE OF THE OWNER TO PROVIDE HIGH QUALITY EROSION AND SEDIMENT CONTROL.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL FINES ASSOCIATED WITH THE DISCHARGE OF SEDIMENTS, EROSION, OR POLLUTANTS CAUSED BY THIS WORK.
7. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATION OF THE CITY OF PARKER, AND THE PROJECT DRAWINGS. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN EROSION AND SEDIMENT CONTROL DEVICES ON SITE DURING CONSTRUCTION IN ACCORDANCE WITH THE ABOVE, AS A MINIMUM STANDARD, AND SHALL REMOVE ANY SILT BEYOND THE PROPERTY RESULTING FROM CONSTRUCTION ACTIVITY.
8. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SILT FROM SITE, IF NOT REUSABLE ON SITE.
9. IF THE AREA TO BE DISTURBED IS GREATER THAN ONE ACRE, A STORMWATER CONSTRUCTION PERMIT FROM THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT SHALL BE OBTAINED PRIOR TO START OF GRADING.
10. SEE EROSION CONTROL DETAIL SHEETS FOR A ADDITIONAL TOWN OF PARKER GENERAL NOTES.

EXISTING SITE STABILIZATION CONSISTS OF ESTABLISHED SEEDED AREAS AND NATIVE VEGETATION.



ALL WORK WITHIN THE 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.

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**LEGEND**

	CF	CONSTRUCTION FENCE
	CWA	CONCRETE WASHOUT AREA
	DD	DIVERSION DITCH
	IPAN	INLET PROTECTION FOR AREA INLETS NOT IN PAVEMENT
	LOC	LIMITS OF CONSTRUCTION
	MWP	MASONRY WORK PROTECTION
	PTP	PORTABLE TOILET PROTECTION
	SF	SILT FENCE
	SSA	STABILIZED STAGING AREA
	VTC	VEHICLE TRACKING CONTROL

**LEGEND**

	6075-	EXISTING MAJOR CONTOUR
	6075-	EXISTING MINOR CONTOUR
	6075	PROPOSED MAJOR CONTOUR
	6075	PROPOSED MINOR CONTOUR
		PROPERTY LINE
		LOT LINES
		UTILITY EASEMENT
		PROPOSED UTILITY EASEMENT
		PERMANENT EASEMENT
		SETBACK LINE
	W	WATER MAIN
	G	GAS MAIN
	SAN	SANITARY SEWER
	STM	STORM SEWER



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SEH Project	NHOAC 156217	
Checked By	DMH	
Drawn By	AMP	
Project Status	Issue Date	
TOWN REVIEW	8/26/2020	
TOWN REVIEW	1/22/2021	
Revision Issue	Date	
Rev. #	Description	Date
1	TOWN COMMENTS	1/22/21

CBMP DETAILS

C3.2

- NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.
- 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.
  - 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.
  - 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.
  - 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.
  - 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.
  - 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.
  - THE EROSION CONTROL SUPERVISOR SHALL BE READILY AVAILABLE TO DISCUSS AND CORRECT ANY PROBLEMS THAT MAY ARISE RELATING TO GRADING, EROSION AND SEDIMENT CONTROL.
  - 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.
  - 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.
  - 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:
    - PHASING PLAN SHOWING CUT AND FILL VOLUMES AND LOCATIONS FOR EACH PHASE AND PROJECT TOTALS.
    - EARTHWORK QUANTITY PLAN SHOWING CUT AND FILL VOLUMES AND LOCATIONS FOR EACH PHASE AND PROJECT TOTALS.
    - BMP PLAN SHOWING SPECIFIC EROSION AND SEDIMENT CONTROLS FOR EACH PHASE.

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	TI	TEMPORARY IRRIGATION
	TSB	TEMPORARY SEDIMENT BASIN
	VTC	VEHICLE TRACKING CONTROL

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

	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

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	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

**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES  
LEGEND  
1 OF 3  
Oct. 2013

**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES  
LEGEND  
2 OF 3  
Oct. 2013

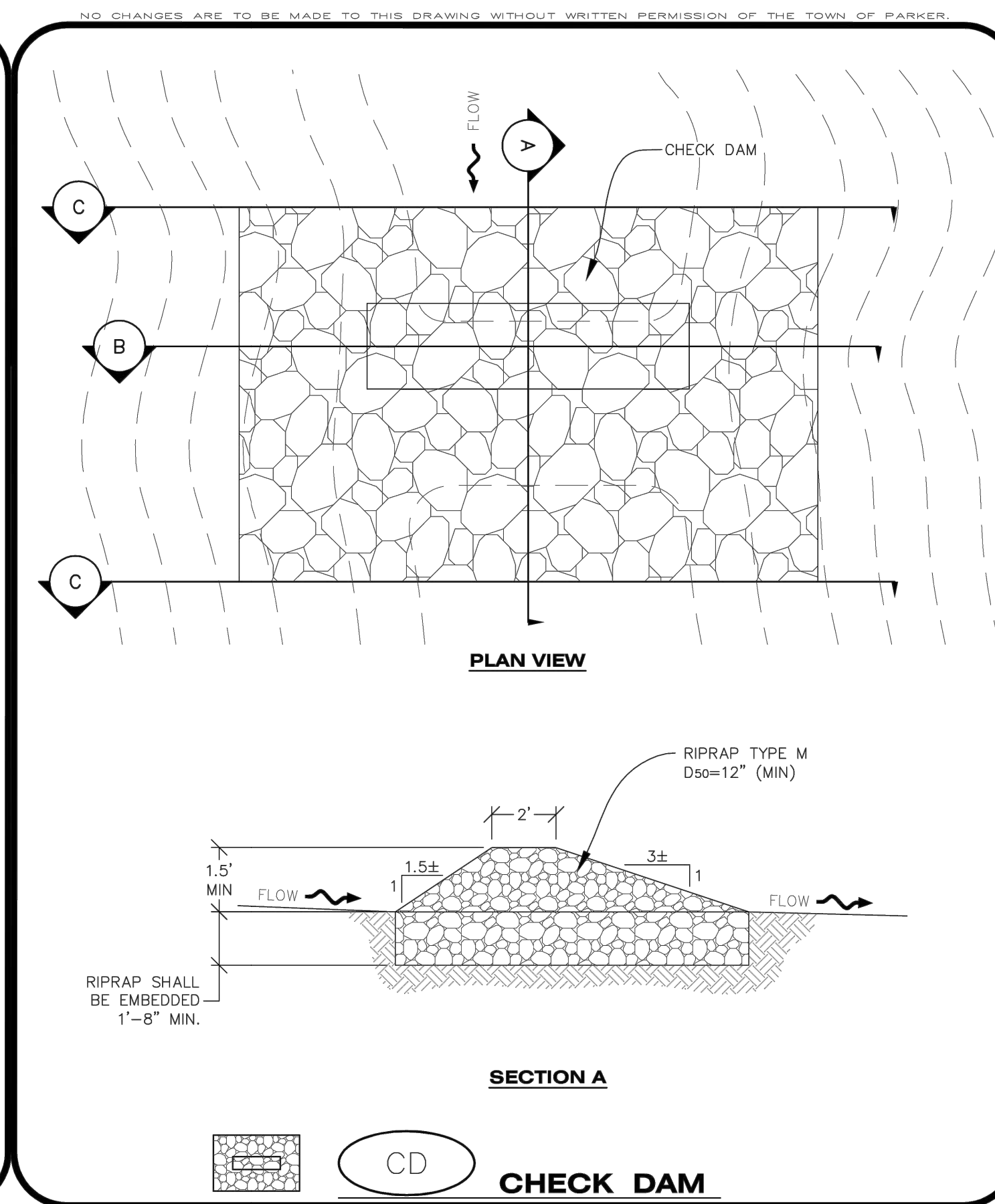
**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES  
LEGEND  
3 OF 3  
Oct. 2013

**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.
- 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.
  - 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.
  - 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.
  - 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.
  - 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.
  - ALL TRASH RECEPTACLES ON SITE SHALL BE EMPTIED AT A FREQUENCY AS TO ENSURE THAT THE TRASH REMAINS CONFINED TO THE RECEPTACLE.
  - ALL LOOSE TRASH AND LITTER ASSOCIATED WITH THE PROJECT MUST BE REMOVED AND PROPERLY DISCARDED ON A DAILY BASIS.
  - 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.
  - 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.
  - 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 BMPs ARE IMPLEMENTED. SUCH ACTIVITY MAY INCLUDE, BUT NOT BE LIMITED TO RESIDENTIAL CONSTRUCTION, UTILITY CONSTRUCTION, ETC.
  - NO PERMANENT SLOPES GREATER THAN 3:1 ARE ALLOWED.
  - 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.
  - 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.
  - 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.

- NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.
- 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.
  - 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.
  - VEHICLE AND EQUIPMENT DEGREASING IS PROHIBITED ON THE JOB SITE.
  - 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.
  - HYDRAULIC SEEDING AND/OR HYDRAULIC MULCHING ARE ONLY ALLOWED IN AREAS UNDER TEMPORARY OR PERMANENT IRRIGATION OR FOR THE PURPOSE OF TEMPORARY SOIL STABILIZATION.
  - 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.
  - GRADING SECURITY RELEASE REQUIREMENTS:
    - DEVELOPABLE PROPERTY: IN ORDER FOR THE GRADING SECURITY TO BE RELEASED, THE SITE MUST MEET ITEMS A-H OR ITEM I (BELOW).
- 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.
- 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.
  - 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.
  - 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.

- NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.
- 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).
    - ALL SOIL-DISTURBING ACTIVITIES ASSOCIATED WITH THE GRADING PERMIT HAVE PERMANENTLY CEASED.
    - ALL CBMPs HAVE BEEN PROPERLY REMOVED FROM THE SITE.
    - EROSION IS NEGLIGIBLE, IF EVEN PRESENT.
    - 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.
    - WEEDS REPRESENT NO MORE THAN TEN PERCENT (10%) OF THE TOTAL VEGETATION ON SITE.
    - NO WEEDS ARE PRESENT FROM LIST A OF THE COLORADO NOXIOUS WEED LIST, AS AMENDED.
    - THE SITE IS PREDOMINANTLY FREE OF WEEDS FROM LIST B OF THE COLORADO NOXIOUS WEED LIST, AS AMENDED.
    - WEEDS ARE EVENLY DISTRIBUTED THROUGHOUT THE SITE WITH NO LARGE CONCENTRATIONS PRESENT.
    - 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.
    - 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.
  - 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.



**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES  
GEN NOTES  
2 OF 4  
Oct. 2013

**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES  
GEN NOTES  
3 OF 4  
Oct. 2013

**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES  
GEN NOTES  
4 OF 4  
Oct. 2013

**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES  
CD  
1 OF 3  
Oct. 2013

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NEW HORIZON ACADEMY -  
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PARKER, CO

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SEH Project Checked By Drawn By  
NHOAC 156217  
DEH  
AMP

Project Status Issue Date  
TOWN REVIEW 8/26/2020  
TOWN REVIEW 1/22/2021

Rev. #	Description	Date
1	TOWN COMMENTS	1/22/21

CBMP DETAILS

C3.3

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**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.

**CONSTRUCTION FENCE**

**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.

**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.

**CHECK DAM**

**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.

**SECTION B**

**SECTION C**

**SPACING BETWEEN CHECK DAMS**

**CHECK DAM**

**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES **CD** 2 OF 3 Oct. 2013

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**SECTION B**

**SECTION C**

**SPACING BETWEEN CHECK DAMS**

**CHECK DAM**

**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.

**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).

**CONCRETE WASHOUT AREA**

**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES **CWA** 2 OF 2 Oct. 2013

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**CULVERT PROTECTION (INLET) INSTALLATION NOTES**

1. SEE PLAN VIEW FOR LOCATION(S) OF CULVERT PROTECTION (INLET).
2. ROCK SOCK SHALL BE CONSTRUCTED ACCORDING TO THE DETAIL (SEE DETAIL RS).
3. ROCK SOCK SHALL BE APPROXIMATELY 12" IN DIAMETER.
4. ROCK SOCK SHALL EXTEND ABOVE THE FLOW LINE ELEVATION ON BOTH SIDES OF THE CULVERT END SECTION.

**CULVERT PROTECTION (INLET) INSPECTION AND MAINTENANCE NOTES**

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE CULVERT PROTECTION (INLET).
2. AT A MINIMUM, ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE SEDIMENT HAS REACHED A DEPTH EQUAL TO 1/2 THE HEIGHT OF THE ROCK SOCK.
3. CULVERT PROTECTION (INLET) IS 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.
4. WHEN THE CULVERT INLET PROTECTION IS REMOVED, THE TOWN'S INSPECTOR MAY REQUIRE ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE CULVERT INLET PROTECTION TO BE ROUGHENED, SEEDED, MULCHED, AND CRIMPED PER THE TOWN'S SPECIFICATIONS (SEE DETAIL SMC).

**CULVERT PROTECTION (INLET)**

**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES **CP** 2 OF 2 Oct. 2013

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**PLAN**

**CULVERT END SECTION**

**ISOMETRIC**

**CULVERT PROTECTION (INLET)**

**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES **CP** 1 OF 2 Oct. 2013

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**PLAN**

**CULVERT END SECTION**

**ISOMETRIC**

**CONCRETE WASHOUT AREA**

**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES **CWA** 1 OF 2 Oct. 2013

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NEW HORIZON ACADEMY - DOUGLAS 234 FILING, NO. 6 PARKER, CO

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SEH Project: NHOAC 156217  
Checked By: DGH  
Drawn By: AMP

Project Status: TOWN REVIEW  
Issue Date: 8/26/2020

TOWN REVIEW: 1/22/2021

Rev. #	Description	Date
1	TOWN COMMENTS	1/22/21

CBMP DETAILS

C3.4

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

**DIVERSION DITCH INSTALLATION NOTES**

- SEE THE PLAN VIEW FOR THE LOCATION(S) OF THE DIVERSION DITCHES.
- 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.
- ALL MATERIAL EXCAVATED FROM THE DITCH MAY BE USED TO CONSTRUCT THE BERM ON THE DOWNHILL SIDE OF THE DITCH.
- 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.
- 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**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE DIVERSION DITCH.
- ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE THE SEDIMENT HAS REACHED A DEPTH EQUAL TO 1/2 (10") THE CREST HEIGHT.
- DIVERSION DITCHES SHALL BE RE-GRADED FOLLOWING THE SIGNS OF MODERATE OR MORE SOIL EROSION OR ANY DAMAGE.
- 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.

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

**DIVERSION DITCH SECTION LINED CHANNEL**

**DIVERSION DITCH SECTION UNLINED CHANNEL**

**DIVERSION DITCH**

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

**DEWATERING INSTALLATION NOTES**

- 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**

- 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.

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

**TYPICAL DEWATERING SUMP**

**DEWATERING**

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**CBMP**

CONSTRUCTION BEST MANAGEMENT PRACTICES

DD 2 OF 2 Oct. 2013

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**CBMP**

CONSTRUCTION BEST MANAGEMENT PRACTICES

DD 1 OF 2 Oct. 2013

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**DEBRIS CONTROL NOTES:**

- A COMBINATION OF SURFACE SCRAPING AND SWEEPING MAY BE NECESSARY TO PROPERLY CLEAN THESE AREAS.
- 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.
- ON-SITE PERSONNEL, DELIVERY DRIVERS, ETC., SHOULD BE EDUCATED ON THE NEED FOR CONTINUAL DEBRIS AND TRASH CONTROL.

**DEBRIS AND TRASH CONTROL**

**DEBRIS AND TRASH CONTROL**

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**DETENTION POND PROTECTION INSTALLATION NOTES**

- DETENTION POND PROTECTION SHALL BE INSTALLED IMMEDIATELY FOLLOWING THE CONSTRUCTION OF THE TRICKLE CHANNEL AND FOREBAY.
- CRUSHED ROCK SHALL BE 2.0"-3.0" IN SIZE WITH A FRACTURED FACE (ALL SIDES).
- ROCK SOCK FOR OUTLET STRUCTURE AND FOREBAY PROTECTION SHALL BE ONE CONTINUOUS PIECE (SEE DETAIL RS).

**DETENTION POND PROTECTION INSPECTION AND MAINTENANCE NOTES**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE OUTLET STRUCTURE PROTECTION.
- ACCUMULATED SEDIMENT SHALL BE REMOVED IMMEDIATELY.
- OUTLET STRUCTURE 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.

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**FOREBAY**

**OUTLET / MICROPOOL**

**DETENTION POND PROTECTION**

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**CBMP**

CONSTRUCTION BEST MANAGEMENT PRACTICES

DP 2 OF 2 Oct. 2013

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**CBMP**

CONSTRUCTION BEST MANAGEMENT PRACTICES

DP 1 OF 2 Oct. 2013

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**CBMP**

CONSTRUCTION BEST MANAGEMENT PRACTICES

DTC 1 OF 2 Oct. 2013

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**CBMP**

CONSTRUCTION BEST MANAGEMENT PRACTICES

DTC 2 OF 2 Oct. 2013

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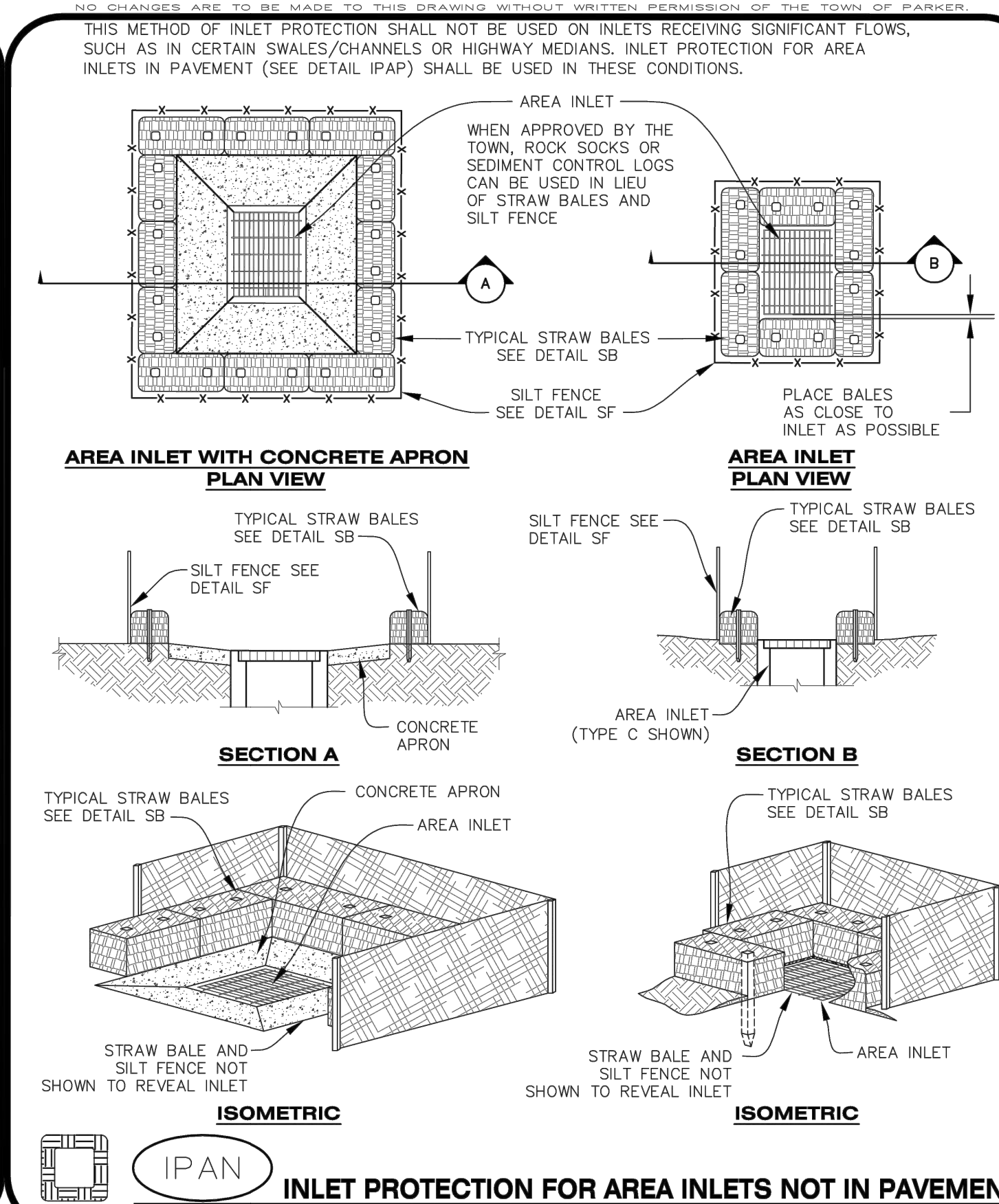
SEH Project: NHOAC 156217  
Checked By: DGH  
Drawn By: AMP

Project Status: TOWN REVIEW  
Issue Date: 8/26/2020

TOWN REVIEW: 1/22/2021

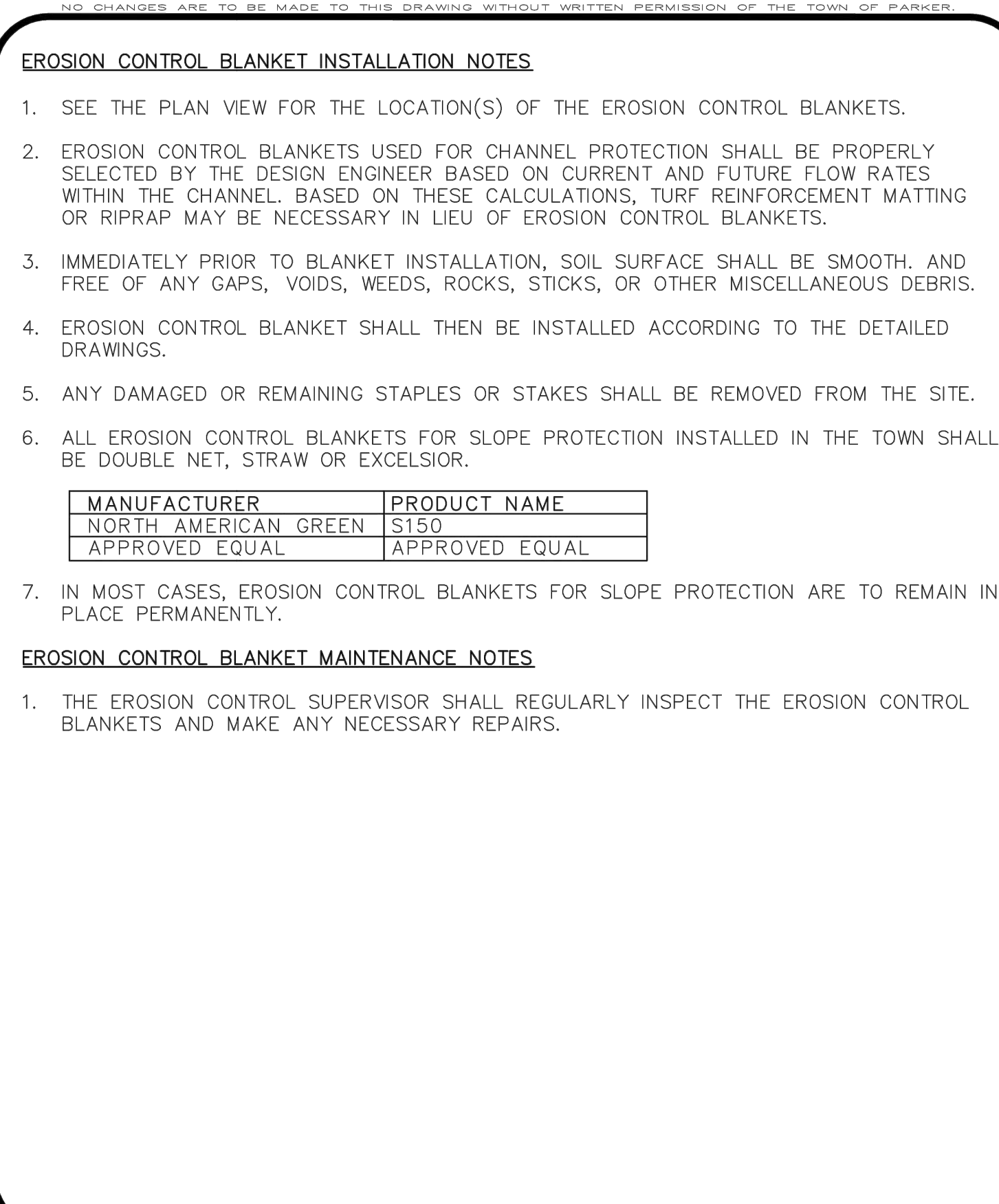
Revision Issue:  
Rev. # 1 Description: TOWN COMMENTS Date: 1/22/21

CBMP DETAILS  
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C3.5



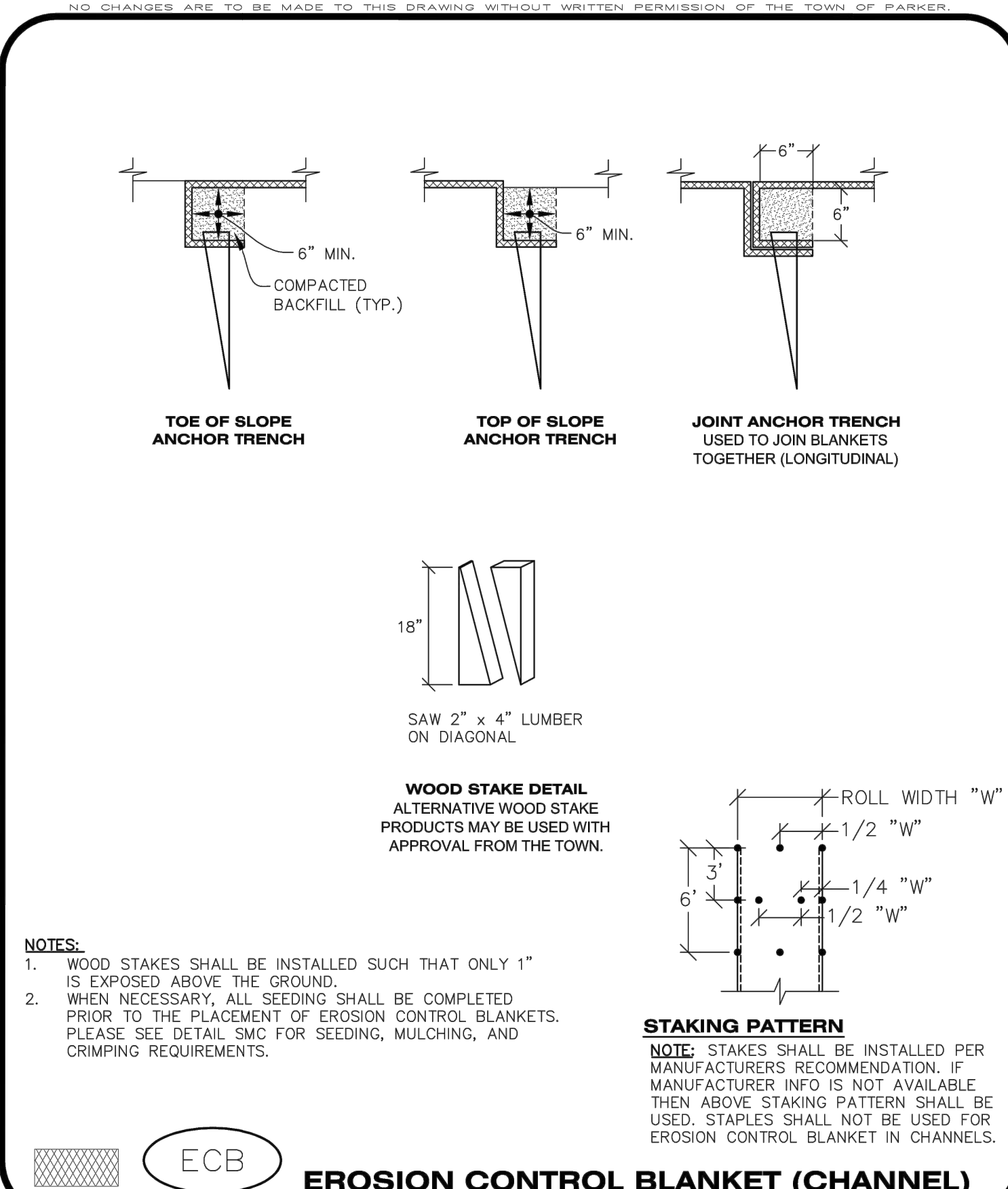
**IPAN** INLET PROTECTION FOR AREA INLETS NOT IN PAVEMENT

1 OF 1  
Oct. 2013



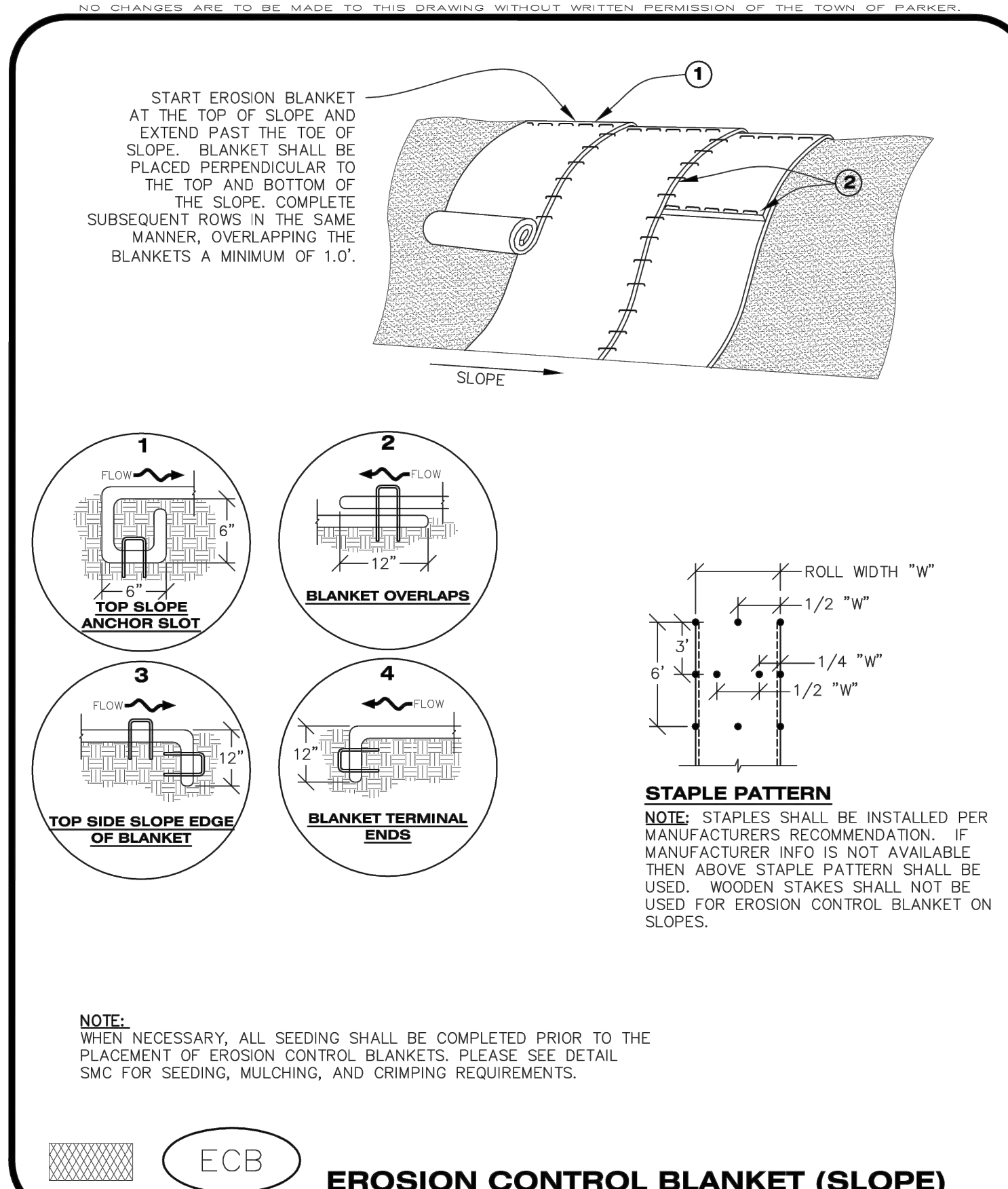
**ECB** EROSION CONTROL BLANKET (CHANNEL)

2 OF 3  
Oct. 2013



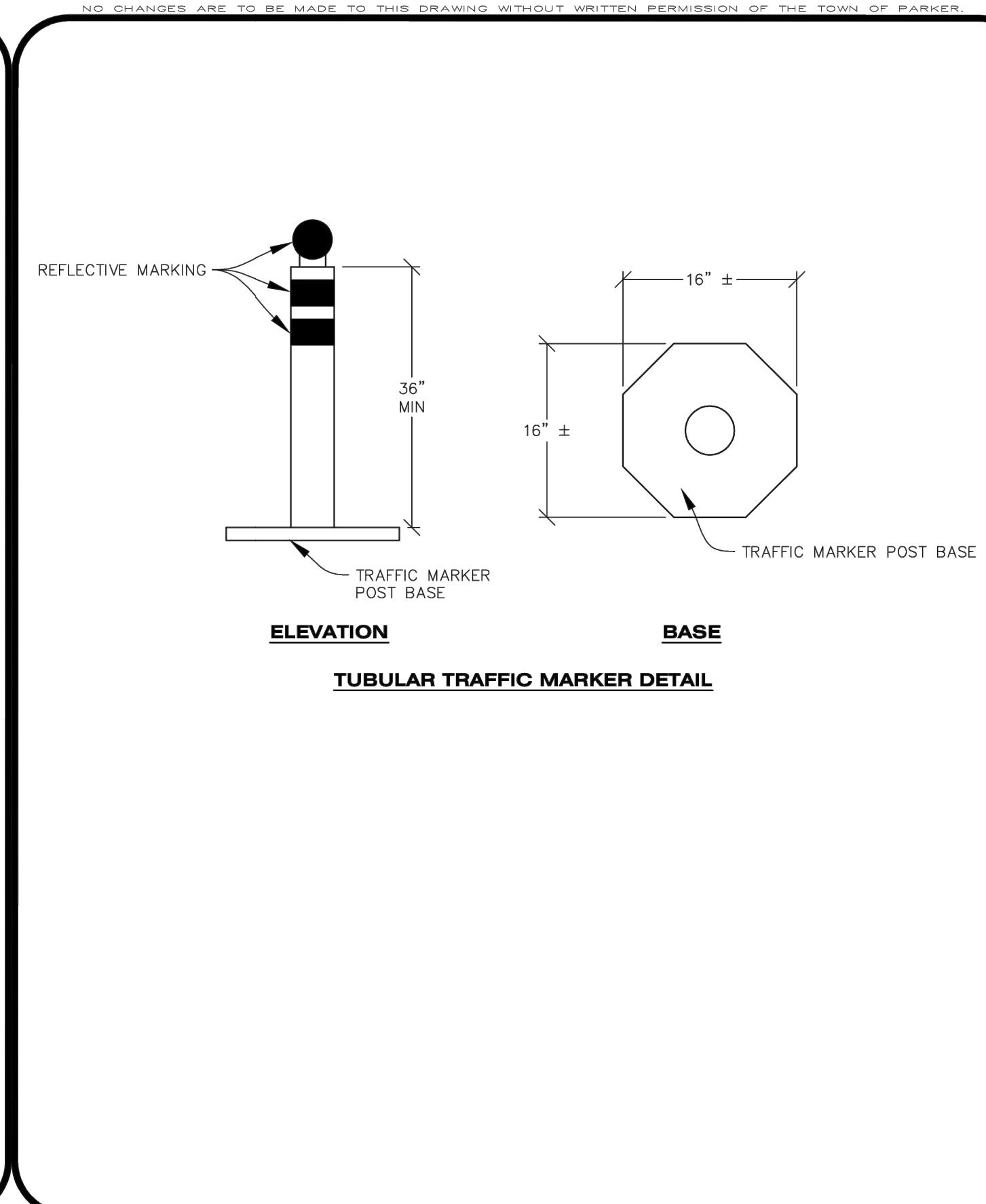
**ECB** EROSION CONTROL BLANKET (SLOPE)

1 OF 3  
Oct. 2013



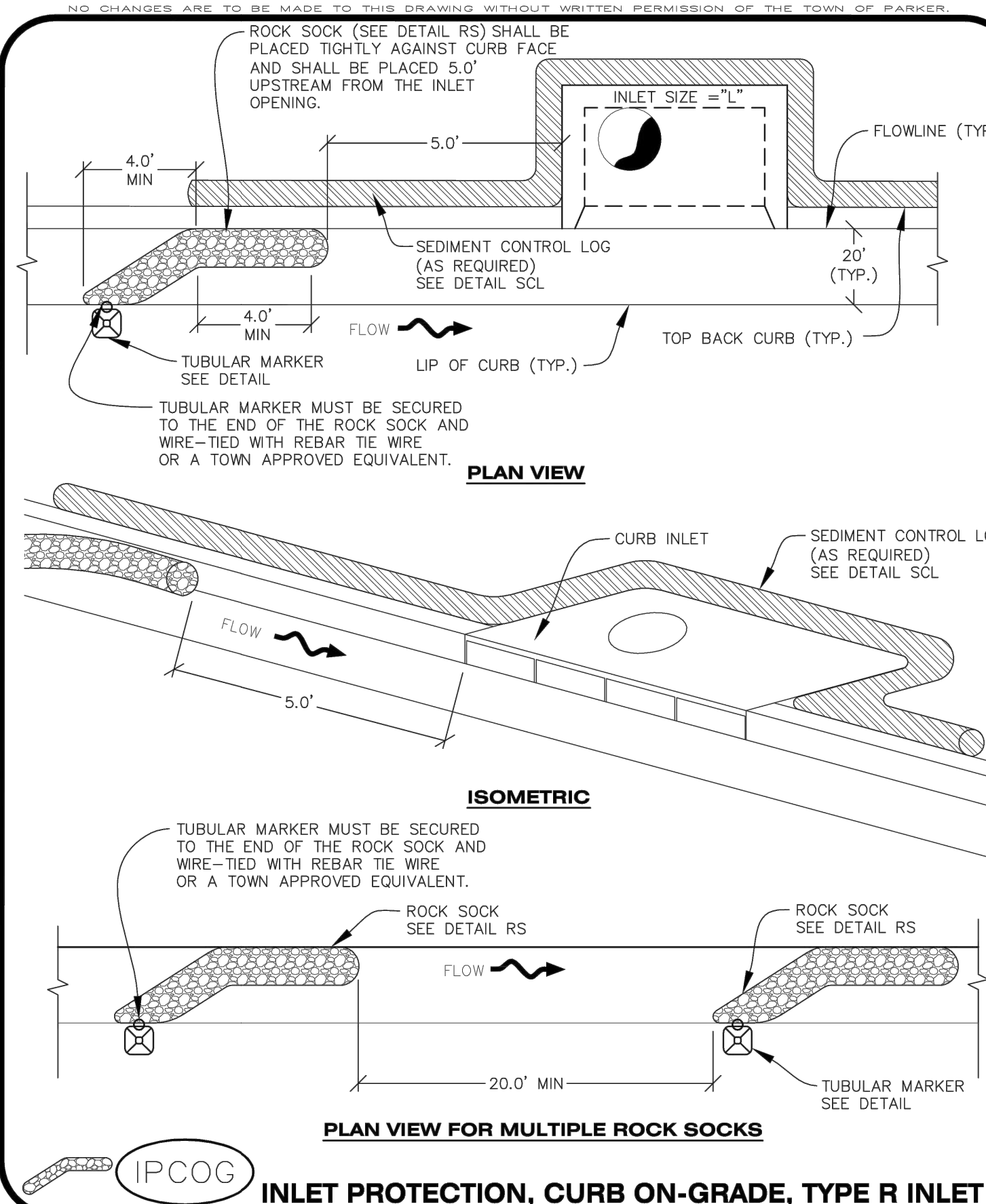
**ECB** EROSION CONTROL BLANKET (SLOPE)

1 OF 3  
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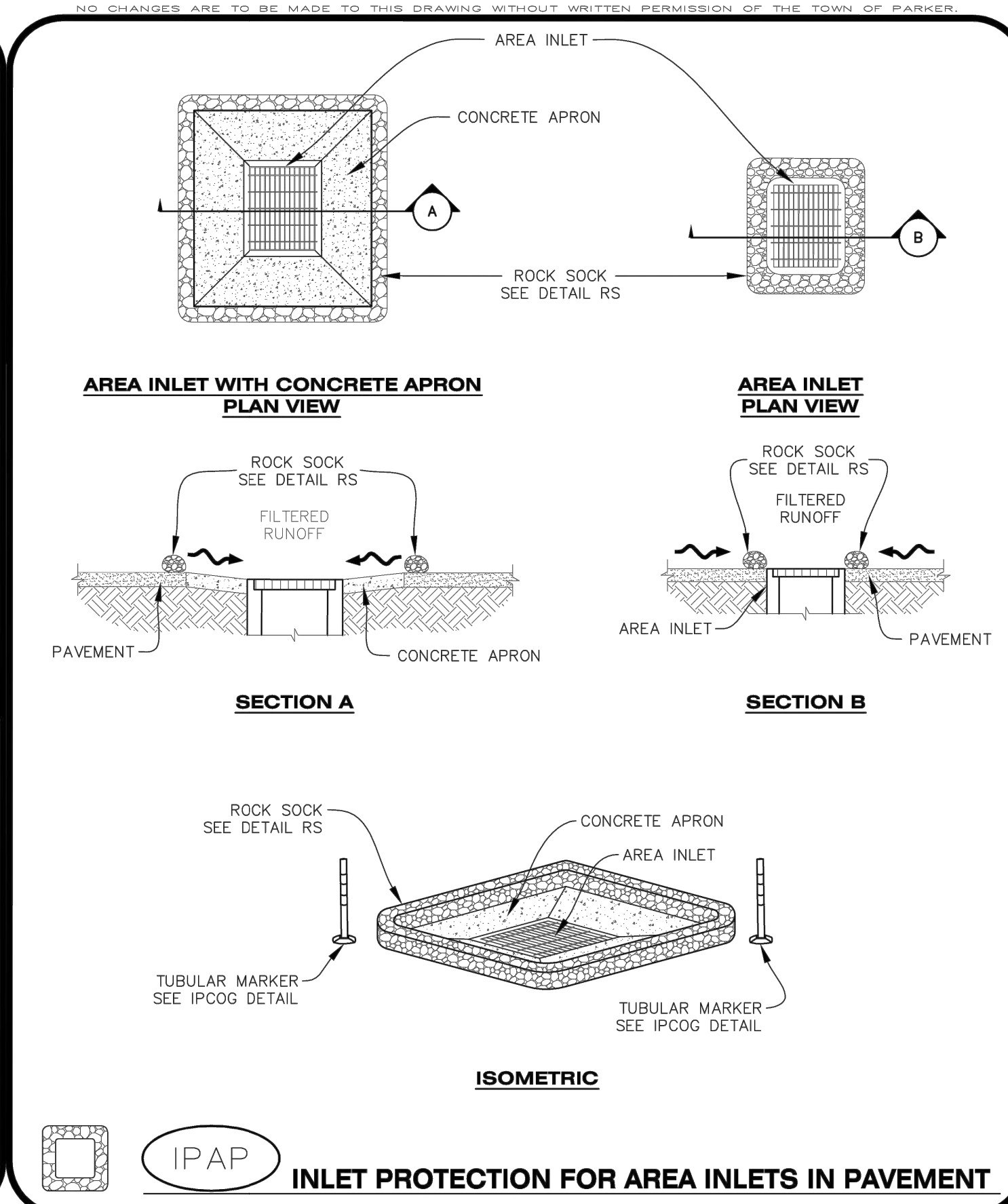
**IPCOG** INLET PROTECTION, CURB ON-GRADE, TYPE R INLET

2 OF 3  
Oct. 2013



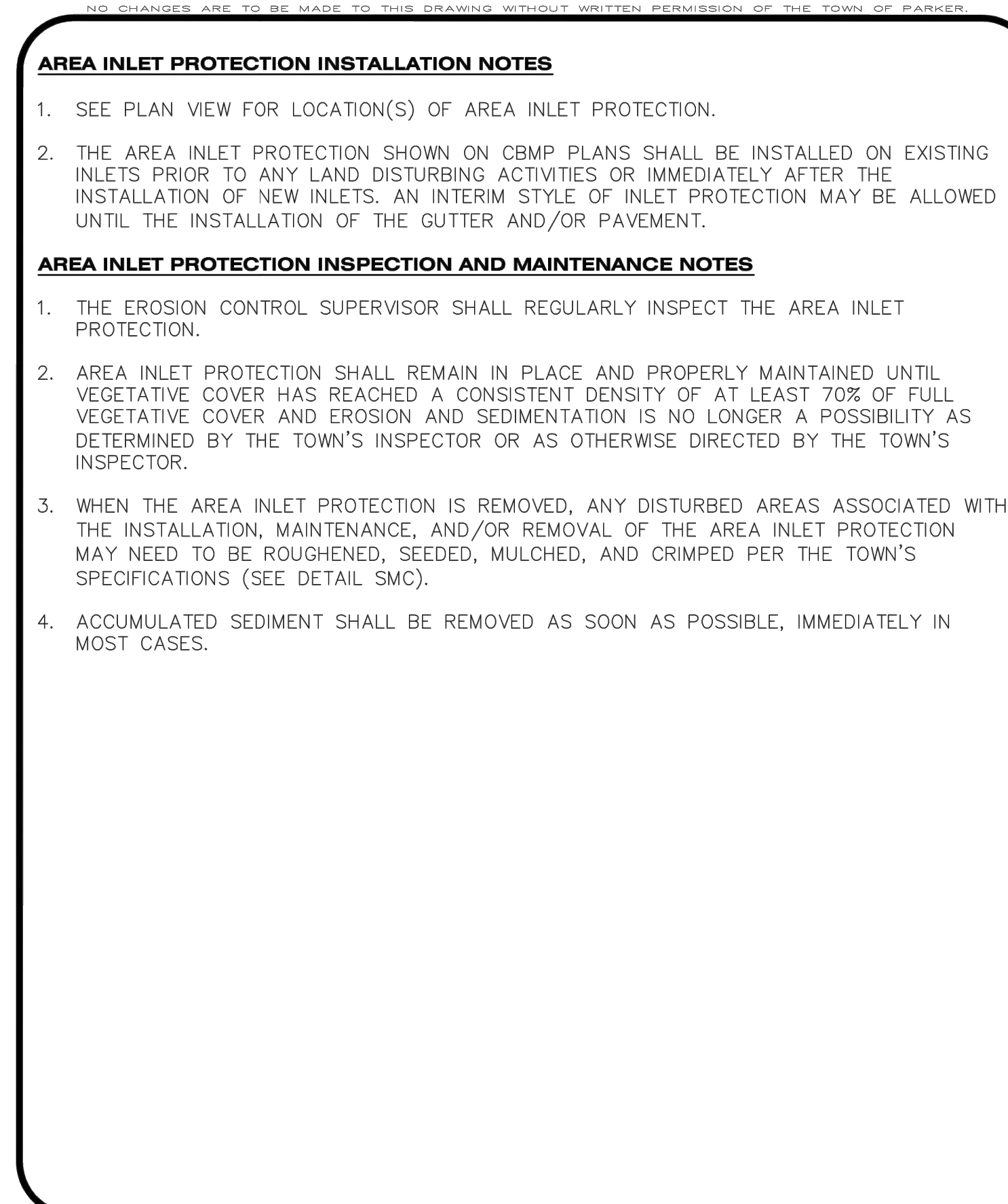
**IPCOG** INLET PROTECTION, CURB ON-GRADE, TYPE R INLET

1 OF 3  
Oct. 2013



**IPAP** INLET PROTECTION FOR AREA INLETS IN PAVEMENT

1 OF 1  
Oct. 2013



**IPA** INLET PROTECTION, AREA INLET

1 OF 1  
Oct. 2013

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NOT FOR CONSTRUCTION

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

### INLET PROTECTION, CURB ON-GRADE INSTALLATION NOTES

- SEE CBMP PLAN FOR LOCATION(S) OF ON-GRADE INLET PROTECTION.
- CRUSHED ROCK SHALL BE 2.0"-3.0" IN SIZE WITH A FRACTURED FACE (ALL SIDES).
- ROCK SOCK FOR ON-GRADE INLET PROTECTION SHALL BE ONE CONTINUOUS PIECE.
- ROCK SOCK SHALL BE CONSTRUCTED USING CHICKEN WIRE OR OTHER APPROVED MATERIAL, SIZED TO KEEP ROCK FROM SPILLING OUT.
- ROCK SOCK SHALL BE PLACED 5.0' UPHILL OF THE INLET OPENING.
- TUBULAR MARKER SHALL BE A MINIMUM OF 3.0' HIGH WITH REFLECTIVE BANDS AND OCTAGON SHAPED BASES.
- 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

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE ON-GRADE INLET PROTECTION.
- ACCUMULATED SEDIMENT SHALL BE REMOVED AS SOON AS POSSIBLE, IMMEDIATELY IN MOST CASES.
- ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED OR DAMAGED.
- 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.

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

**PLAN VIEW**

**SECTION A**

**IPCOS INLET PROTECTION, CURB ON SUMP, TYPE R INLET**

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

### CURB INLET PROTECTION INSTALLATION NOTES

- SEE CBMP PLAN FOR LOCATION(S) OF CURB INLET PROTECTION.
- CRUSHED ROCK SHALL BE 2.0"-3.0" IN SIZE WITH A FRACTURED FACE (ALL SIDES).
- ROCK SOCK SHALL BE ONE CONTINUOUS PIECE OR SHALL BE CONSTRUCTED USING WIRE WRAPPED JOINTS (SEE DETAIL RS).
- ROCK SOCK SHALL BE CONSTRUCTED USING CHICKEN WIRE OR OTHER APPROVED MATERIAL SIZED TO KEEP ROCK FROM SPILLING OUT.
- ROCK SOCK SHALL EXTEND 3.0' ALONG THE CURB BEYOND LOCATIONS WHERE IT RETURNS TO CONTACT CURB FACE.
- TUBULAR TRAFFIC MARKERS SHALL BE A MINIMUM OF 36" IN HEIGHT WITH REFLECTIVE BANDS AND OCTAGON SHAPED BASES.
- 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

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE CURB INLET PROTECTION.
- ACCUMULATED SEDIMENT SHALL BE REMOVED AS SOON AS POSSIBLE, IMMEDIATELY IN MOST CASES.
- ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED OR DAMAGED.
- 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.

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**LOT PROTECTION**

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

**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES  
IPCOS 3 OF 3 Oct. 2013

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

**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

**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES  
IPCOS 2 OF 2 Oct. 2013

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

**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES  
LP 1 OF 2 Oct. 2013

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

### EROSION CONTROL BLANKET FOR LOT PROTECTION INSTALLATION NOTES

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

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

- 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-GRADE EDGES BEING PLACED ON TOP OF THE DOWN-GRADE 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.
- ANY DAMAGED OR EXCESS STAPLES SHALL BE REMOVED FROM THE SITE FOLLOWING INSTALLATION.
- 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

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

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

**MASONRY WORK PROTECTION**

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

### MASONRY WORK PROTECTION INSTALLATION NOTES

- MASONRY WORK PROTECTION MAY NEED TO BE INSTALLED WHEN MASONRY WORK AND MIXING IS OCCURRING.
- A ROCK SOCK SHALL BE INSTALLED IN A CRESCENT SHAPE ON THE DOWNHILL SIDE OF THE MASONRY WORK AND MIXER.
- CRUSHED ROCK SHALL BE 2.0"-3.0" IN SIZE WITH A FRACTURED FACE (ALL SIDES).
- ROCK SOCK SHALL BE ONE CONTINUOUS PIECE OR SHALL BE CONSTRUCTED USING WIRE WRAPPED JOINTS (SEE DETAIL RS).
- ROCK SOCK SHALL BE CONSTRUCTED USING CHICKEN WIRE OR OTHER APPROVED MATERIAL, SIZED TO KEEP ROCK FROM SPILLING OUT.

### MASONRY WORK PROTECTION INSPECTION AND MAINTENANCE NOTES

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE MASONRY WORK PROTECTION.
- ALL CONCRETE WASTE SHALL BE REGULARLY CLEANED AND PLACED IN THE CONCRETE WASH OUT AREA.
- ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED OR DAMAGED.

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

**PORTABLE TOILET PROTECTION**

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

**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES  
LP 2 OF 2 Oct. 2013

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

**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES  
MWP 1 OF 2 Oct. 2013

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

**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES  
MWP 2 OF 2 Oct. 2013

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

**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES  
PTP 1 OF 2 Oct. 2013

NEW HORIZON ACADEMY - DOUGLAS 234 FILING, NO. 6  
PARKER, CO

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SEH Project: NHOAC 156217  
Checked By: DBH  
Drawn By: AMP

Project Status: TOWN REVIEW  
Issue Date: 8/26/2020  
TOWN REVIEW: 1/22/2021

Revision Issue: TOWN COMMENTS  
Date: 1/22/21

**CBMP DETAILS**

1

**C3.6**

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NEW HORIZON ACADEMY - DOUGLAS 234 FILING, NO. 6 PARKER, CO

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SEH Project: NHOAC 156217  
Checked By: DJH  
Drawn By: AMP

Project Status: TOWN REVIEW  
Issue Date: 8/26/2020

TOWN REVIEW: 1/22/2021

Revision Issue: TOWN COMMENTS  
Date: 1/22/21

CBMP DETAILS

C3.7

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

**ROUGH CUT STREET CONTROL INSTALLATION NOTES**

- SEE CBMP PLAN FOR LOCATION(S) OF ROUGH CUT STREET CONTROL.
- 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**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE ROUGH CUT STREET CONTROL.
- ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT DEPTH IS 1/2 THE HEIGHT OF THE ROCK SOCK.
- ROUGH CUT STREET CONTROL SHALL BE REPAIRED IMMEDIATELY FOLLOWING ANY SIGN OF WEAR OR ALTERATION OF THE ORIGINAL SHAPE AND DIMENSIONS.
- 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.

**CROSS SECTION**  
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

**COMPLETED ROCK SOCK**

**JOINT PLAN VIEW**  
ROCK SOCK  
ADDITIONAL WIRE MESH  
ROCK SOCK  
ADDITIONAL 2.0"-3.0" CRUSHED ROCK  
DOUBLE WRAP AT ROCK SOCK JOINTS

**JOINT ELEVATION**  
12" ±  
12" ±  
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.

**RS ROCK SOCK**

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

**PORTABLE TOILET PROTECTION INSTALLATION NOTES**

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

**PORTABLE TOILET PROTECTION INSPECTION AND MAINTENANCE NOTES**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE PORTABLE TOILET PROTECTION.
- PORTABLE TOILETS SHALL BE SERVICED AT THE NECESSARY INTERVALS TO ELIMINATE THE POSSIBILITY OF OVERFLOW.
- 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).
- 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.

**PLAN VIEW**  
GUTTER FLOWLINE  
GUTTER PAN LINE  
2.0' (TYP)  
MIN. 6" DIAMETER ROCK SOCK SEE DETAIL RS  
50.0' SPACING (MAX)  
45° (TYP)  
8.0' (TYP)  
NOTE: DEPENDING UPON THE PHASE OF CONSTRUCTION, CURB AND GUTTER MAY OR MAY NOT BE PRESENT.

**SECTION A**  
ROUGH CUT  
MIN. 6" DIAMETER ROCK SOCK SEE DETAILS RS  
COMPACTED SUBGRADE

**RCSC ROUGH CUT STREET CONTROL**

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

**ROCK SOCK INSTALLATION NOTES**

- SEE CBMP PLAN FOR LOCATION(S) OF ROCK SOCK.
- CRUSHED ROCK SHALL BE APPROXIMATELY 2.0"-3.0" GRANITE IN SIZE WITH A FRACTURED FACE (ALL SIDES).
- ROCK SOCK SHALL BE APPROXIMATELY ONE CONTINUOUS PIECE OR SHALL BE CONSTRUCTED USING WIRE WRAPPED JOINTS (SEE DETAIL RS).
- ROCK SOCK SHALL BE CONSTRUCTED USING CHICKEN WIRE OR OTHER APPROVED MATERIAL SIZED TO KEEP ROCK FROM SPILLING OUT.
- MINIMUM ROCK SOCK DIAMETER SHALL VARY BASED ON APPLICATION (7" MIN).
- TUBULAR MARKERS MAY NEED TO BE USED IN CONJUNCTION WITH ROCK 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**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE ROCK SOCKS.
- ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED OR DAMAGED.
- 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.

**SWALE ELEVATION**  
WIRE AND ROCK NOT SHOWN FOR CLARITY  
VARIES  
12" MIN  
ROCK SOCK  
SWALE  
APPROXIMATE 2" EMBEDMENT

**SWALE SPACING**  
12" MIN. ROCK SOCK  
L  
EMBEDDED ROCK SOCK APPROXIMATELY 2" IN SOIL  
EMBEDDED ROCK SOCK APPROXIMATELY 2" IN SOIL  
RUNOFF  
L = THE DISTANCE SUCH THAT POINT A AND B ARE OF EQUAL ELEVATION.

**RSS ROCK SOCK IN SWALE**

CONSTRUCTION BEST MANAGEMENT PRACTICES  
CBMP  
RCSC  
1 OF 2  
Oct. 2013

CONSTRUCTION BEST MANAGEMENT PRACTICES  
CBMP  
PTP  
2 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 INSPECTION AND MAINTENANCE NOTES**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE ROUGH CUT STREET CONTROL.
- ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT HAS REACHED A DEPTH EQUAL TO 1/2 THE HEIGHT OF THE STRAW BALE.
- STRAW BALES MAY NEED TO BE REPLACED IF THEY BECOME HEAVILY SOILED, ROTTEN, OR OTHERWISE DAMAGED.
- STRAW BALES 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 INSPECTOR.
- WHEN THE STRAW BALES ARE REMOVED, ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE STRAW BALES MAY NEED TO BE ROUGHENED, SEEDED, MULCHED, AND CRIMPED PER THE TOWN'S SPECIFICATIONS (SEE DETAIL SMC).

**TRENCH EXCAVATION**  
4" ±  
BALE WIDTH  
18" TYP

**STRAW BALE INSTALLATION**  
36" TYP.  
1"x1"x24" STAKE (MIN)  
FLOW  
BACKFILL AND COMPACT EXCAVATED TRENCH SOIL  
BINDING WIRE OR TWINE

**SECTION**  
18" TYP.  
1"x1"x24" STAKE (MIN)  
6" MIN  
4" ±  
FLOW  
BACKFILL AND COMPACT EXCAVATED TRENCH SOIL

**SB STRAW BALE**

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**PORTABLE TOILET PROTECTION INSPECTION AND MAINTENANCE NOTES**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE PORTABLE TOILET PROTECTION.
- PORTABLE TOILETS SHALL BE SERVICED AT THE NECESSARY INTERVALS TO ELIMINATE THE POSSIBILITY OF OVERFLOW.
- 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).
- 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.

**PLAN VIEW**  
GUTTER FLOWLINE  
GUTTER PAN LINE  
2.0' (TYP)  
MIN. 6" DIAMETER ROCK SOCK SEE DETAIL RS  
50.0' SPACING (MAX)  
45° (TYP)  
8.0' (TYP)  
NOTE: DEPENDING UPON THE PHASE OF CONSTRUCTION, CURB AND GUTTER MAY OR MAY NOT BE PRESENT.

**SECTION A**  
ROUGH CUT  
MIN. 6" DIAMETER ROCK SOCK SEE DETAILS RS  
COMPACTED SUBGRADE

**RS ROCK SOCK**

CONSTRUCTION BEST MANAGEMENT PRACTICES  
CBMP  
RSS  
1 OF 1  
Oct. 2013

CONSTRUCTION BEST MANAGEMENT PRACTICES  
CBMP  
RS  
2 OF 2  
Oct. 2013

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**ROUGH CUT STREET CONTROL INSTALLATION NOTES**

- SEE CBMP PLAN FOR LOCATION(S) OF ROUGH CUT STREET CONTROL.
- 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**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE ROUGH CUT STREET CONTROL.
- ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT DEPTH IS 1/2 THE HEIGHT OF THE ROCK SOCK.
- ROUGH CUT STREET CONTROL SHALL BE REPAIRED IMMEDIATELY FOLLOWING ANY SIGN OF WEAR OR ALTERATION OF THE ORIGINAL SHAPE AND DIMENSIONS.
- 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.

**PLAN VIEW**  
GUTTER FLOWLINE  
GUTTER PAN LINE  
2.0' (TYP)  
MIN. 6" DIAMETER ROCK SOCK SEE DETAIL RS  
50.0' SPACING (MAX)  
45° (TYP)  
8.0' (TYP)  
NOTE: DEPENDING UPON THE PHASE OF CONSTRUCTION, CURB AND GUTTER MAY OR MAY NOT BE PRESENT.

**SECTION A**  
ROUGH CUT  
MIN. 6" DIAMETER ROCK SOCK SEE DETAILS RS  
COMPACTED SUBGRADE

**RCSC ROUGH CUT STREET CONTROL**

CONSTRUCTION BEST MANAGEMENT PRACTICES  
CBMP  
SB  
1 OF 2  
Oct. 2013

CONSTRUCTION BEST MANAGEMENT PRACTICES  
CBMP  
RCSC  
2 OF 2  
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CONSTRUCTION BEST MANAGEMENT PRACTICES  
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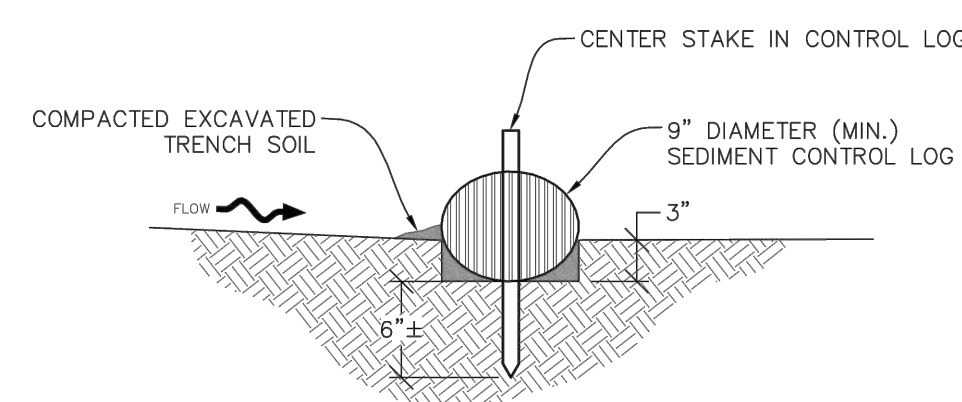
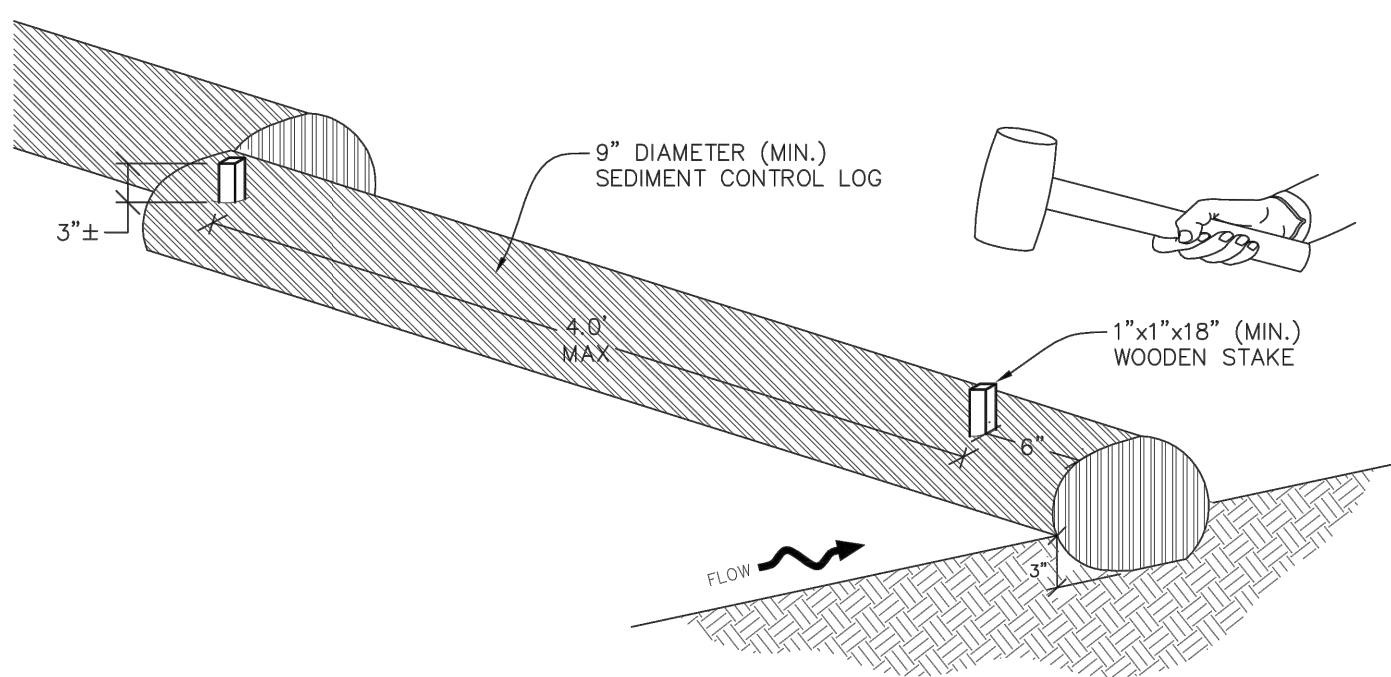
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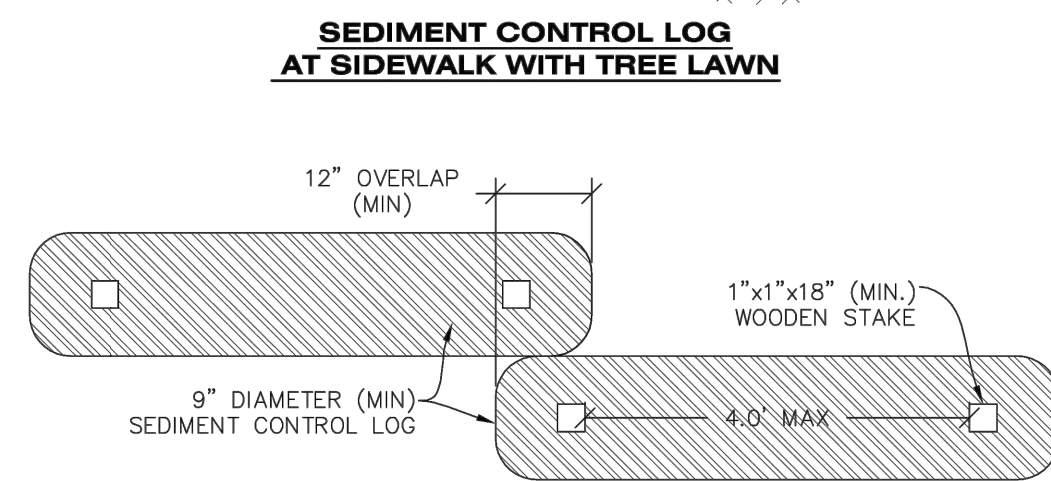
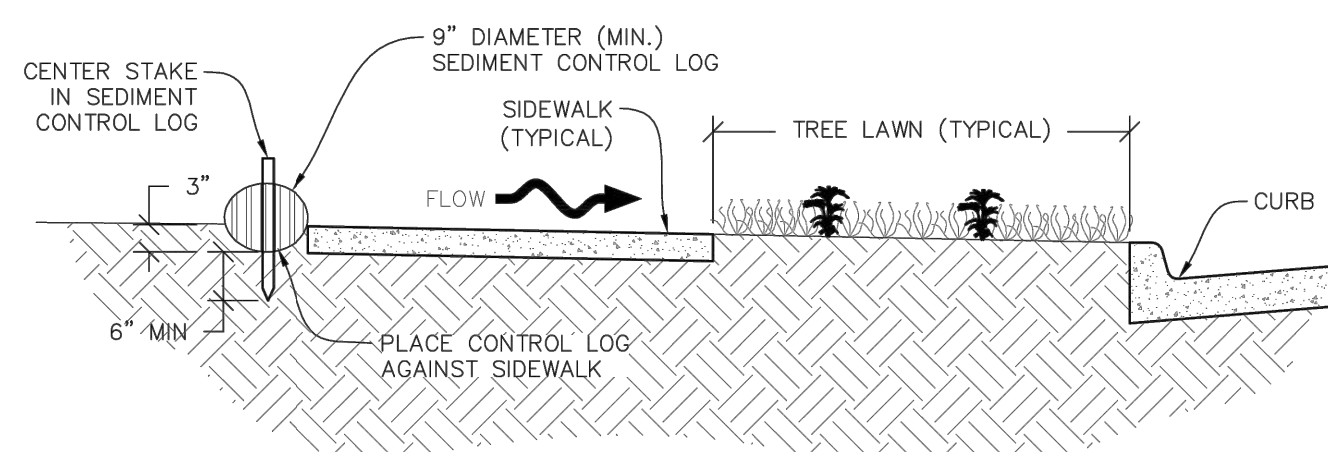
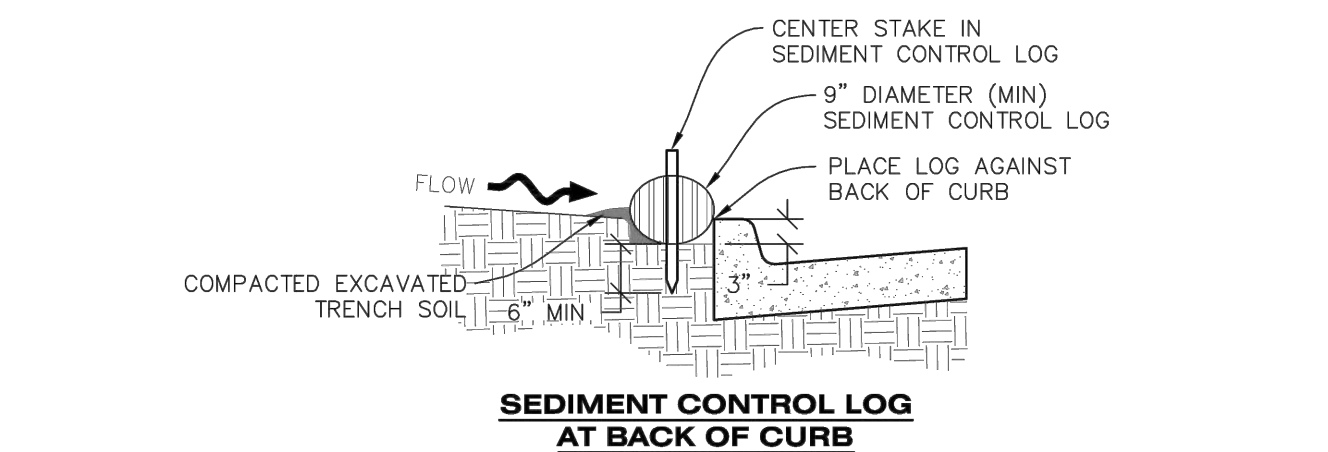
NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.



SECTION A

SCL  
**SEDIMENT CONTROL LOG**

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SEDIMENT CONTROL LOG JOINTS

SCL  
**SEDIMENT CONTROL LOG**

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

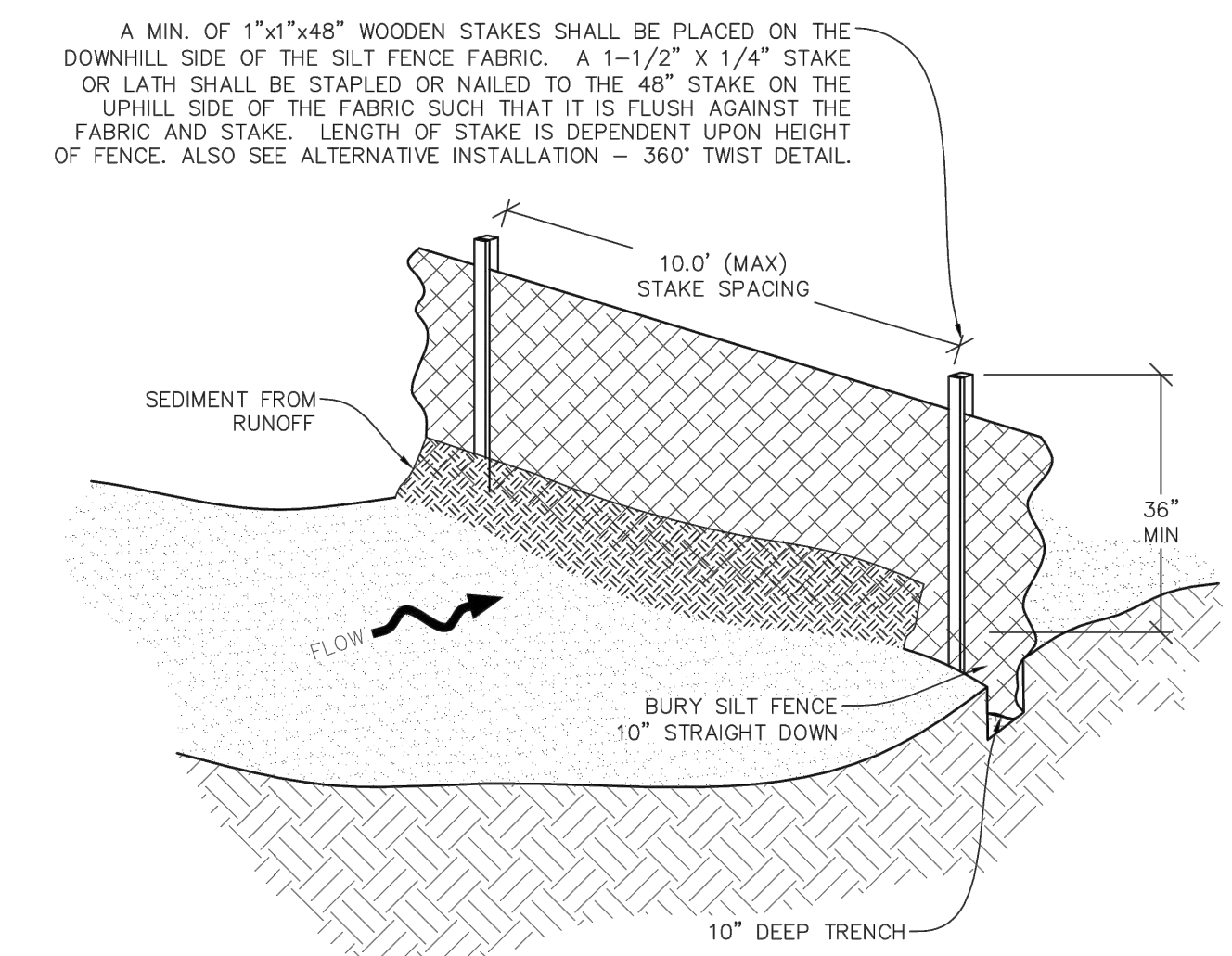
**SEDIMENT CONTROL LOG INSTALLATION NOTES**

- SEE CBMP PLAN FOR LOCATION(S) OF SEDIMENT CONTROL LOGS.
- ALL SEDIMENT CONTROL LOGS SHALL BE INSTALLED FREE OF DEFECTS INCLUDING RIPS, HOLES AND OBVIOUS WEAR.
- 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.
- 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.
- EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF THE ANCHOR TRENCH AND PROPERLY COMPACTED.
- ANCHOR TRENCH SHALL BE RELATIVELY FREE OF ROCKS OR OTHER DEBRIS PRIOR TO THE PLACEMENT.
- ALL SEDIMENT CONTROL LOGS SHALL BE PLACED 3" (APPROX.) BELOW THE GROUND AND PULLED TIGHT ON BOTH ENDS TO REMOVE ANY CURVES OR SNAGS.
- 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.
- SEDIMENT CONTROL LOG STAKES SHALL BE MADE OF WOOD AND SECURELY ANCHOR THE SCL IN PLACE.
- 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.
- SEDIMENT CONTROL LOGS SHALL OVERLAP A MINIMUM OF 12". THE OVERLAPPING SHALL OCCUR ON THE UP-GRADE SIDE OF THE LOGS.
- SEDIMENT CONTROL LOGS SHALL BE STAKED WITHIN 6" FROM EACH END.
- 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**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE SEDIMENT CONTROL LOGS.
- ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE THE SEDIMENT HAS REACHED A DEPTH EQUAL TO 1/2 THE HEIGHT OF EXPOSED LOG.
- 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.
- SEDIMENT CONTROL LOGS SHALL BE REPLACED WHEN THERE ARE ANY SIGNS OF WEAR OR DAMAGE THAT WOULD PREVENT THE SCL FROM FUNCTIONING AS DESIGNED.
- 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).

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



SF  
**SILT FENCE**

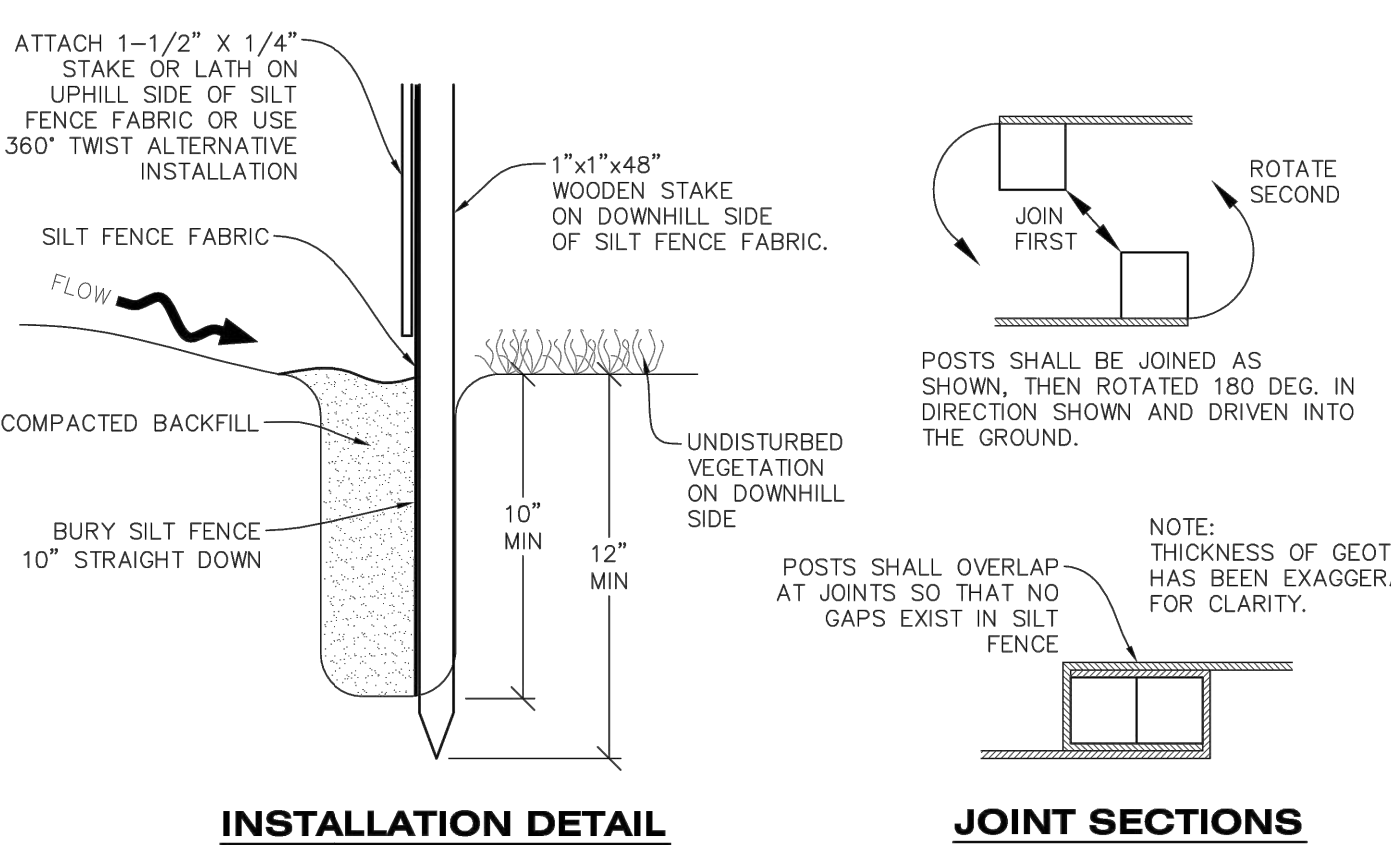
**CBMP**  
CONSTRUCTION BEST MANAGEMENT PRACTICES  
SCL  
1 OF 3  
Oct. 2013

**CBMP**  
CONSTRUCTION BEST MANAGEMENT PRACTICES  
SCL  
2 OF 3  
Oct. 2013

**CBMP**  
CONSTRUCTION BEST MANAGEMENT PRACTICES  
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CONSTRUCTION BEST MANAGEMENT PRACTICES  
SF  
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ALTERNATIVE  
INSTALLATION - 360° TWIST

SF  
**SILT FENCE**

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

**SILT FENCE INSTALLATION NOTES**

- SEE CBMP PLAN FOR LOCATION(S) OF SILT FENCE.
- ALL SILT FENCE SHALL BE INSTALLED IN GOOD CONDITION AND FREE OF ANY DEFECTS INCLUDING RIPS, HOLES AND OBVIOUS WEAR.
- A UNIFORM 10" DEEP ANCHOR TRENCH SHALL BE EXCAVATED USING A TRENCHER.
- A 10" DEEP ANCHOR SLIT SHALL BE FORMED IF USING A STATIC SLICING METHOD.
- EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF THE ANCHOR TRENCH.
- ANCHOR TRENCH SHALL BE GENERALLY FREE OF ROCKS OR OTHER DEBRIS PRIOR TO THE PLACEMENT OF THE SILT FENCE.
- THE ANCHOR TRENCH SHALL BE THOROUGHLY BACKFILLED WITH SOIL THAT IS GENERALLY FREE OF ROCKS AND DEBRIS.
- ALL EXCAVATED MATERIAL SHALL BE PLACED ON THE UP-GRADE SIDE OF THE SILT FENCE.
- 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"x4"x24".
- 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.
- 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.
- 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

- 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.
- SILT FENCE JOINTS SHALL BE CONNECTED ACCORDING TO THE ATTACHED DRAWING.
- 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.

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**SILT FENCE INSPECTION AND MAINTENANCE NOTES**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE SILT FENCE.
- ACCUMULATED SEDIMENT SHALL BE REMOVED REGULARLY.
- 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.
- SILT FENCE SHALL BE REPLACED WHEN THERE ARE ANY SIGNS OF WEAR AND/OR DAMAGE.
- 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).

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

- SEE PLAN VIEW FOR:
  - LOCATION(S) OF SEEDING AND MULCHING
  - TYPE OF SEED MIX
- 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.
- SEEDING MAY BE PERFORMED YEAR ROUND ASSUMING THE SOIL IS NOT FROZEN. SEEDING DURING TIMES OF EXTREME TEMPERATURES SHOULD BE AVOIDED IF POSSIBLE.
- 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.
- 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.
- 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.
- WHEN INSTALLED WITH A DRILL SEEDER, SEED SHALL BE PLACED AT A DEPTH OF 1/4 - 1/2 INCH. ROW SPACING SHALL BE NO MORE THAN 6-INCHES.
- ALL AREAS INCAPABLE OF BEING DRILL SEEDER 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 SEEDER 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 1/4 - 1/2 INCH.
- 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.
- 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.

**CBMP**  
CONSTRUCTION BEST MANAGEMENT PRACTICES  
SF  
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Oct. 2013

**CBMP**  
CONSTRUCTION BEST MANAGEMENT PRACTICES  
SF  
4 OF 4  
Oct. 2013

**CBMP**  
CONSTRUCTION BEST MANAGEMENT PRACTICES  
SMC  
1 OF 3  
Oct. 2013

**NEW HORIZON ACADEMY -  
DOUGLAS 234 FILING, NO. 6  
PARKER, CO**

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SEH Project  
Checked By  
Drawn By

Project Status  
TOWN REVIEW  
TOWN REVIEW

Revision Issue  
Rev. #  
1

CBMP DETAILS

1

**C3.8**

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**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.

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**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

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**STEEP SLOPES (4:1 OR STEEPER)**  
(SLOPES STEEPER THEN 4:1 MAY BE SURFACE ROUGHENED IF THE CONTRACTOR FEELS THAT IT IS SAFE TO DO SO)

**LESSER SLOPES (4:1 OR LESS)**

**SURFACE ROUGHENING**

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. DISTURBED AREAS THAT REMAIN INACTIVE FOR 15 DAYS OR MORE MUST RECEIVE SURFACE ROUGHENING OR ANOTHER APPROVED BMP FROM THE SDCM. DETERMINATION OF JOB SITE INACTIVITY IS AT THE DISCRETION OF THE TOWN'S INSPECTOR.
3. FOR STEEP SLOPES (3:1 OR STEEPER), IT IS ACCEPTABLE TO "TRACK" THE SLOPES, ACCORDING TO THE CBMP DETAILS.
4. SCHEDULES FOR REQUIRING STABILIZATION MAY BE MODIFIED BY THE PERMITEE TO ALLOW FOR SPECIAL CONSIDERATIONS SUCH AS STABILIZING ACCESS AREAS AND AREAS IN CLOSE PROXIMITY TO CONTINUING CONSTRUCTION.

**SURFACE ROUGHENING INSPECTION AND MAINTENANCE NOTES**

1. THE EROSION CONTROL SUPERVISOR SHALL PROACTIVELY INSPECT THE SURFACE ROUGHENING.

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

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

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

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

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

**STABILIZED STAGING AREA**

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

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**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.

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

**SIDEWALK TRANSITION PROTECTION (AT INTERSECTION)**

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

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

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

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

**Town of Parker COLORADO** | **CBMP** | **SSA**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 2  
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**Town of Parker COLORADO** | **CBMP** | **SSA**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 2 OF 2  
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**Town of Parker COLORADO** | **CBMP** | **STP**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 3  
Oct. 2013

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

NEW HORIZON ACADEMY - DOUGLAS 234 FILING, NO. 6  
PARKER, CO

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SEH Project: NHOAC 156217  
Checked By: DBH  
Drawn By: AMP

Project Status: TOWN REVIEW  
Issue Date: 8/26/2020  
TOWN REVIEW: 1/22/2021

Revision Issue:  
Rev. # 1 Description: TOWN COMMENTS Date: 1/22/21

**CBMP DETAILS**

1

**C3.9**

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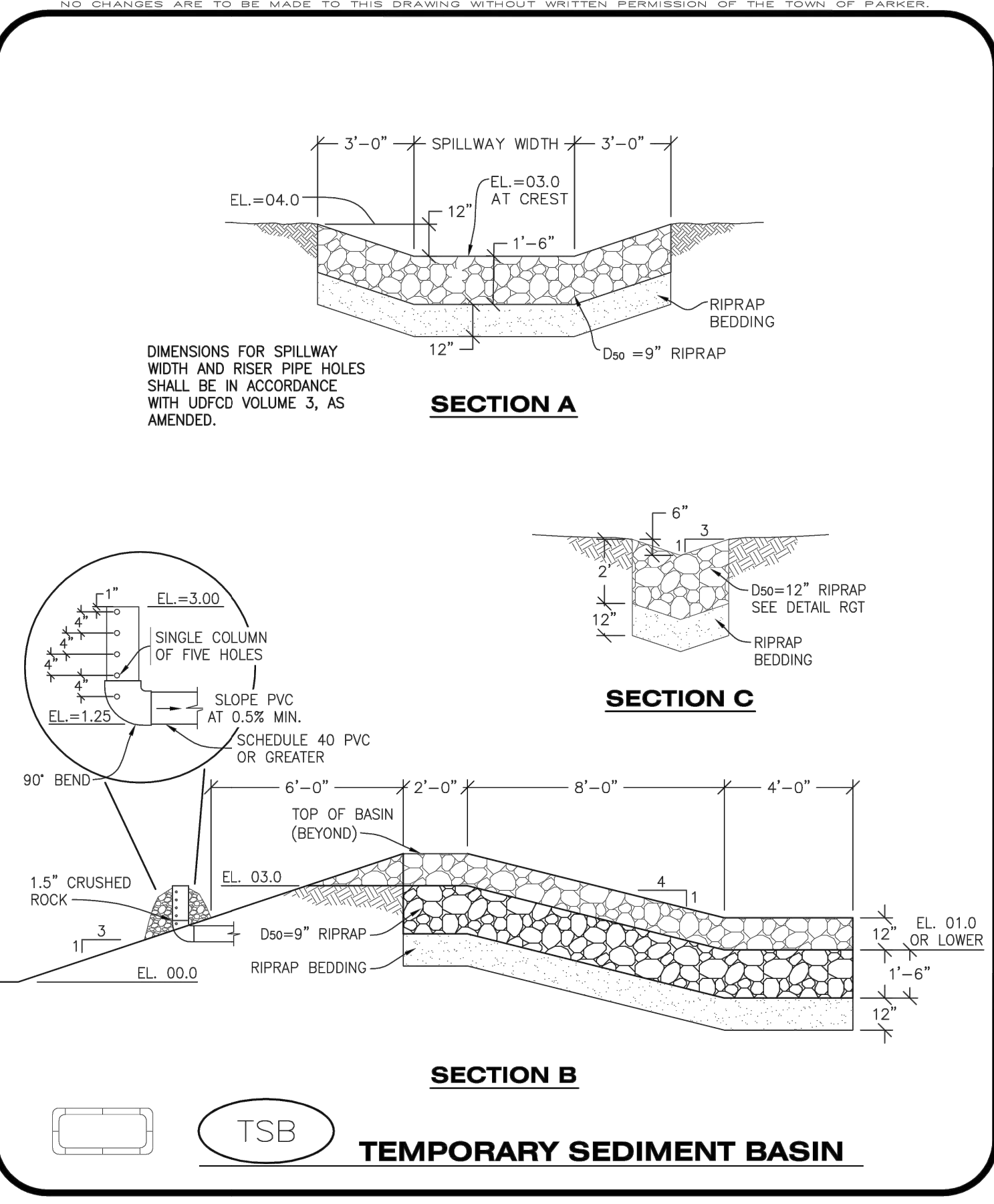
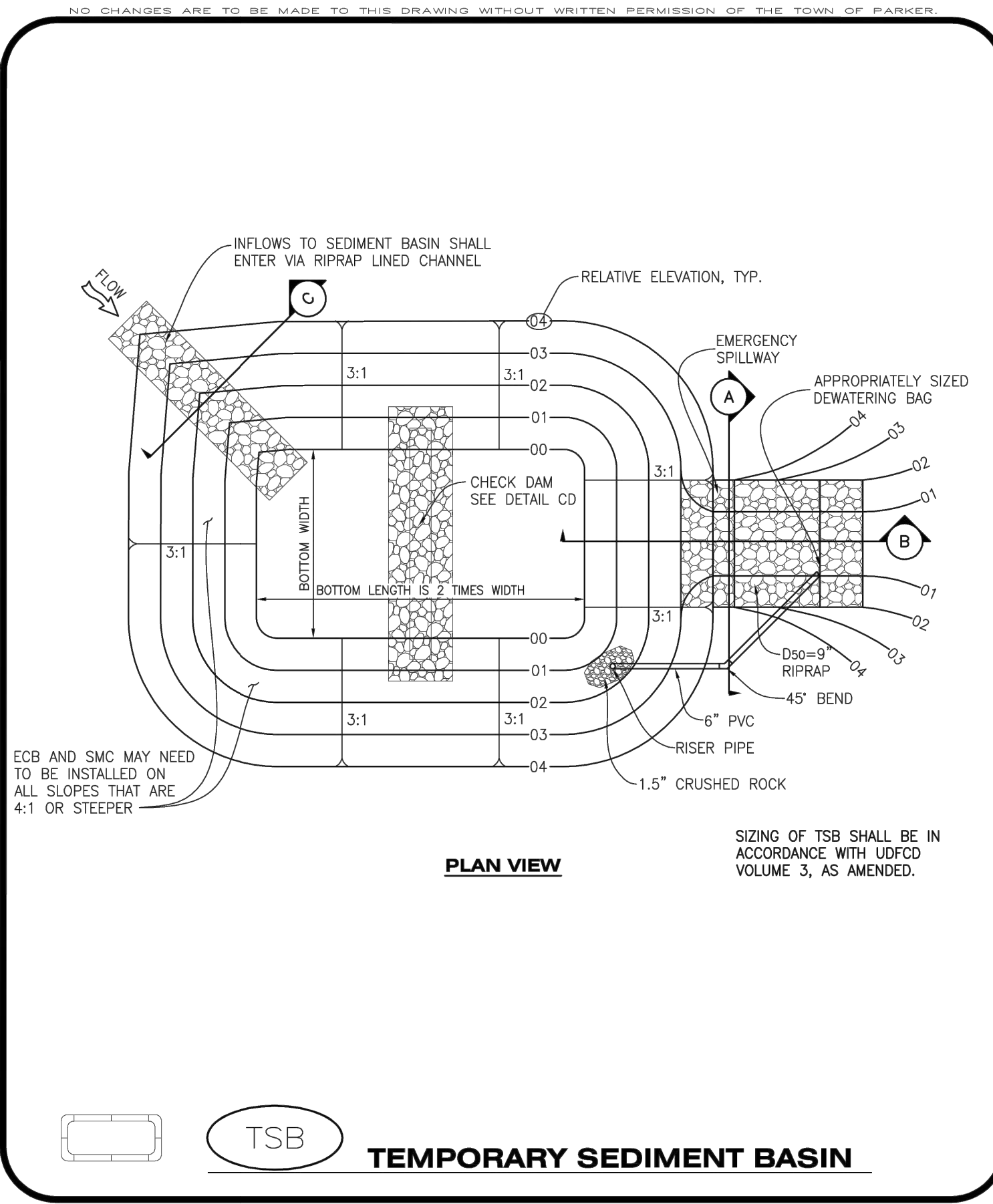
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**SIDEWALK TRANSITION PROTECTION INSTALLATION NOTES**

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

**SIDEWALK TRANSITION PROTECTION INSPECTION & MAINTENANCE NOTES**

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



**TEMPORARY SEDIMENT BASIN INSTALLATION NOTES**

- SEE CBMP PLAN FOR LOCATION(S) OF SEDIMENT BASIN(S).
- THE TEMPORARY SEDIMENT BASIN(S) SHALL BE INSTALLED AND FUNCTIONING PRIOR TO ANY OTHER GRADING ACTIVITIES.
- THE EXACT DIMENSIONS AND DETAILS OF THE TEMPORARY SEDIMENT BASIN SHALL BE DETERMINED BY THE DESIGN ENGINEER, IN ACCORDANCE WITH UDFCD VOLUME 3, AS AMENDED.
- EMBANKMENT MATERIAL SHALL CONSIST OF SOIL FREE OF DEBRIS, ORGANIC MATERIAL, AND ROCKS OR CONCRETE GREATER THAN 3" AND SHALL HAVE A MINIMUM OF 15% BY WEIGHT PASSING THE NO. 200 SIEVE.
- EMBANKMENT MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 95% DENSITY, AND WITHIN +/- 2% OF OPTIMUM MOISTURE IN ACCORDANCE WITH ASTM D698.
- AN APPROPRIATELY SIZED DEWATERING BAG SHALL BE SECURED TO THE END OF THE DISCHARGE PIPE. THE DEWATERING BAG SHALL BE REPLACED ONCE SEDIMENT ACCUMULATION REACHES 50%.

**TEMPORARY SEDIMENT BASIN INSPECTION AND MAINTENANCE NOTES**

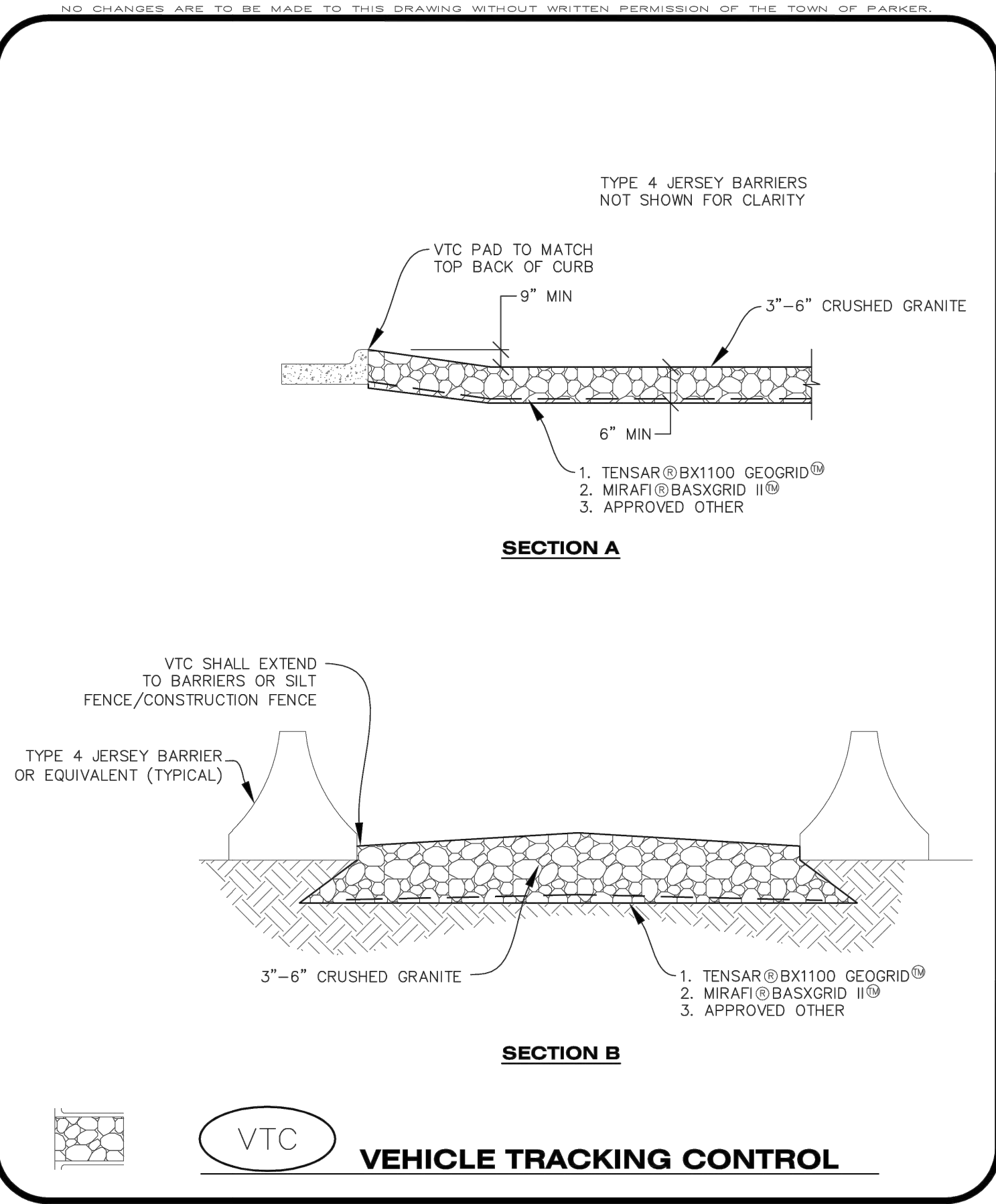
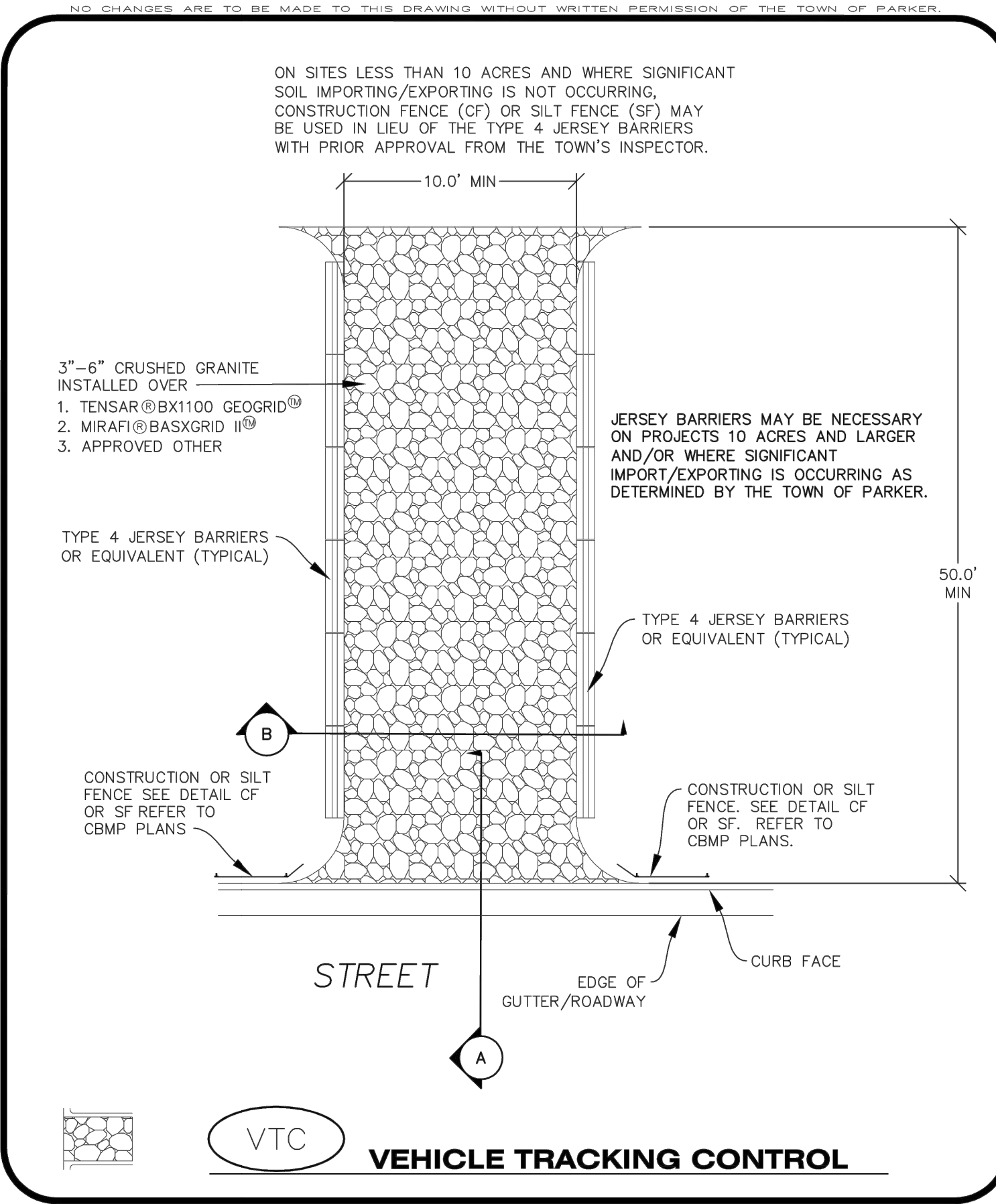
- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE TEMPORARY SEDIMENT BASIN.
- ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT REACHES A DEPTH OF 2.0', OR WITHIN 2.0' OF THE SPILLWAY CREST, OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.
- SEDIMENT BASINS SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL UPSTREAM 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.

**CBMP** | **STP**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 3 OF 3  
Oct. 2013

**CBMP** | **TSB**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 3  
Oct. 2013

**CBMP** | **TSB**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 2 OF 3  
Oct. 2013

**CBMP** | **TSB**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 3 OF 3  
Oct. 2013



**VEHICLE TRACKING CONTROL PAD INSTALLATION NOTES**

- SEE CBMP PLAN FOR LOCATION(S) OF VEHICLE TRACKING CONTROL PAD(S).
- 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.
- THE VEHICLE TRACKING CONTROL PAD(S) INDICATED ON CBMP PLAN SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- 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.
- 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.
- CRUSHED ROCK SHALL BE A MINIMUM OF 3-6" GRANITE WITH A FRACTURED FACE (ALL SIDES).

**VEHICLE TRACKING CONTROL PAD INSTALLATION AND MAINTENANCE NOTES**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE VEHICLE TRACKING CONTROL PAD.
- 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).
- THE VEHICLE TRACKING CONTROL PAD SHALL BE MAINTAINED SUCH THAT THE ROCK REMAINS RELATIVELY LOOSE AND ACCUMULATED MUD AND OTHER DEBRIS IS REGULARLY REMOVED.

**CBMP** | **VTC**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 3  
Oct. 2013

**CBMP** | **VTC**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 2 OF 3  
Oct. 2013

**CBMP** | **VTC**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 3 OF 3  
Oct. 2013

NEW HORIZON ACADEMY - DOUGLAS 234 FILING, NO. 6 PARKER, CO

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SEH Project	NHOAC 156217
Checked By	DH
Drawn By	AMP
Project Status	Issue Date
TOWN REVIEW	8/26/2020
TOWN REVIEW	1/22/2021

Revision Issue	
Rev. #	Description
1	TOWN COMMENTS
	Date
	1/22/21

**CBMP DETAILS**

1

**C3.10**



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Checked By: DJH  
Drawn By: AMP

Project Status: TOWN REVIEW  
Issue Date: 8/26/2020

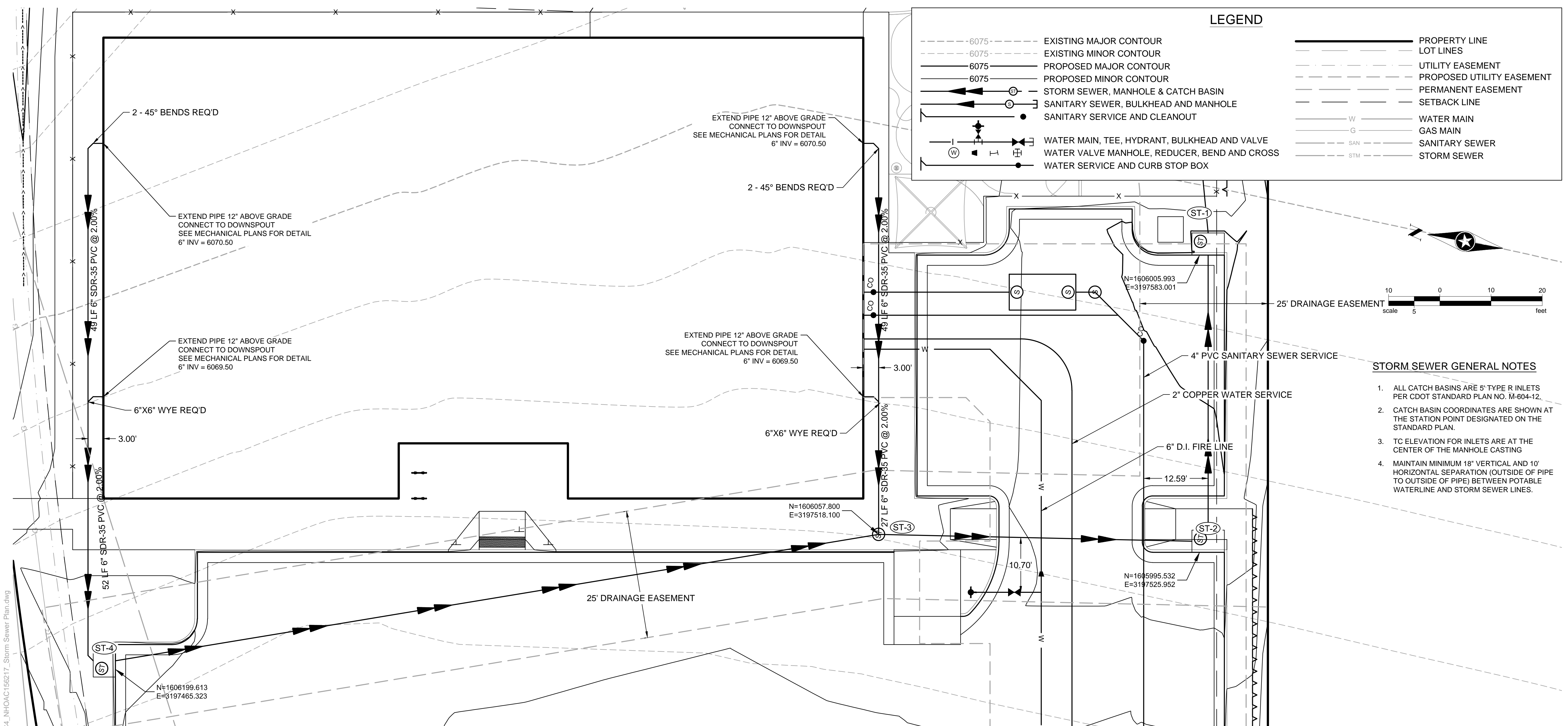
TOWN REVIEW: 1/22/2021

Revision Issue:  
Rev. # 1 Description: TOWN COMMENTS Date: 1/22/21

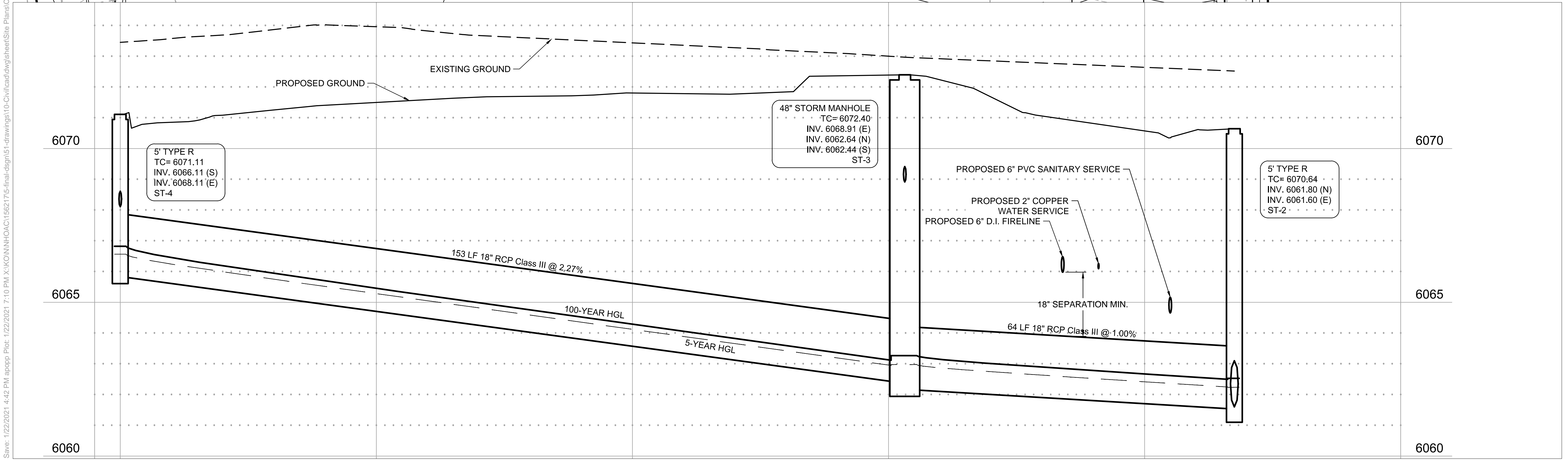
STORM SEWER PLAN -  
PARKING LOT

1

C4.0



- STORM SEWER GENERAL NOTES**
1. ALL CATCH BASINS ARE 5' TYPE R INLETS PER CDOT STANDARD PLAN NO. M-604-12.
  2. CATCH BASIN COORDINATES ARE SHOWN AT THE STATION POINT DESIGNATED ON THE STANDARD PLAN.
  3. TC ELEVATION FOR INLETS ARE AT THE CENTER OF THE MANHOLE CASTING
  4. MAINTAIN MINIMUM 18' VERTICAL AND 10' HORIZONTAL SEPARATION (OUTSIDE OF PIPE TO OUTSIDE OF PIPE) BETWEEN POTABLE WATERLINE AND STORM SEWER LINES.



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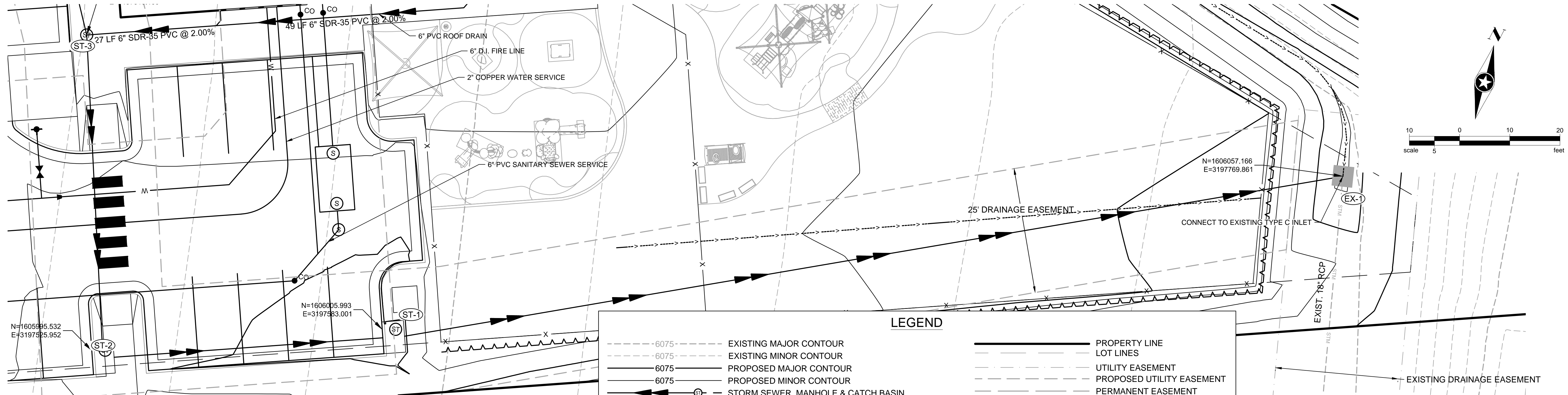
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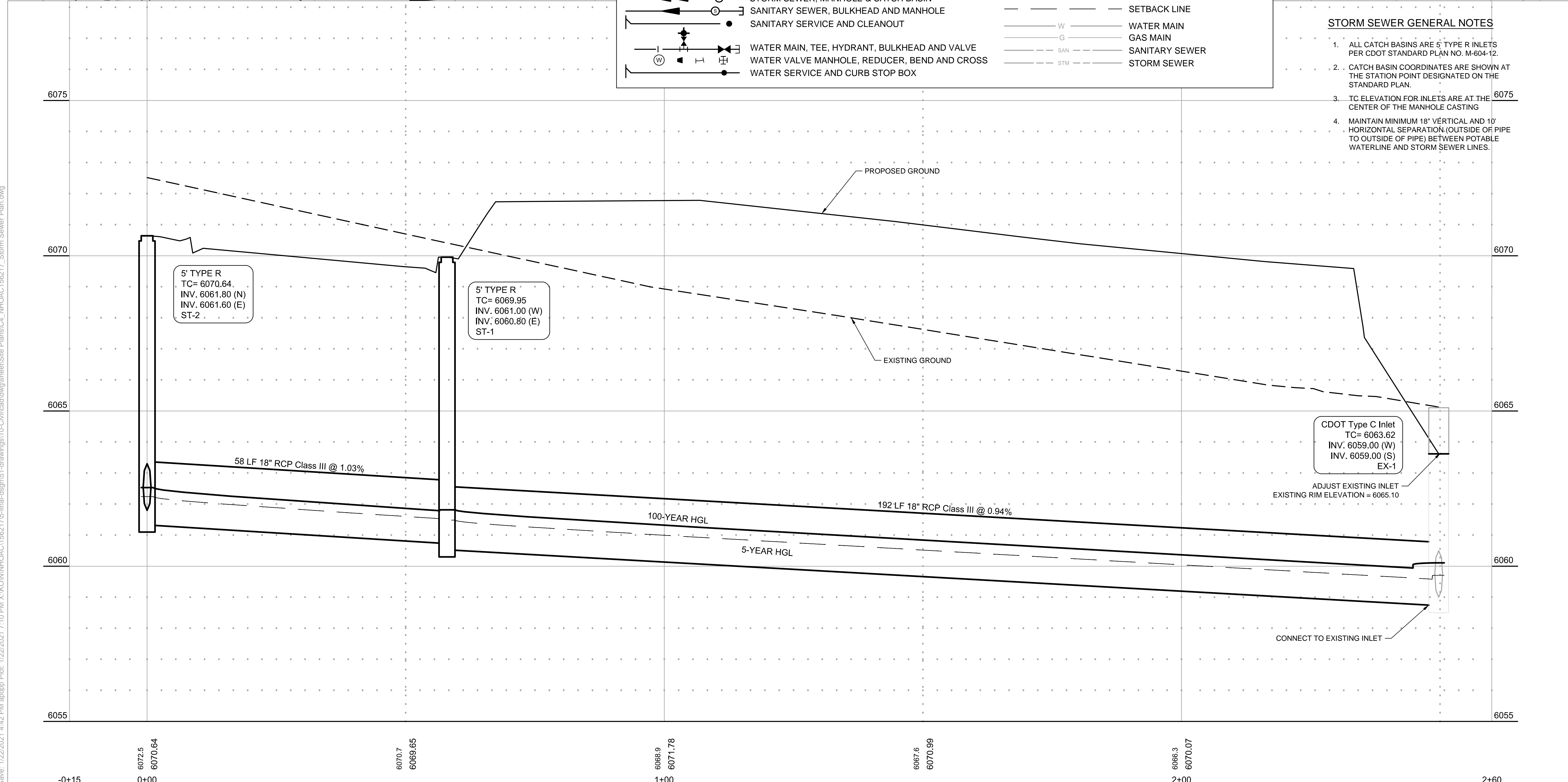
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LEGEND			
	EXISTING MAJOR CONTOUR		PROPERTY LINE
	EXISTING MINOR CONTOUR		LOT LINES
	PROPOSED MAJOR CONTOUR		UTILITY EASEMENT
	PROPOSED MINOR CONTOUR		PROPOSED UTILITY EASEMENT
	STORM SEWER, MANHOLE & CATCH BASIN		PERMANENT EASEMENT
	SANITARY SEWER, BULKHEAD AND MANHOLE		SETBACK LINE
	SANITARY SERVICE AND CLEANOUT		WATER MAIN
	WATER MAIN, TEE, HYDRANT, BULKHEAD AND VALVE		GAS MAIN
	WATER VALVE MANHOLE, REDUCER, BEND AND CROSS		SANITARY SEWER
	WATER SERVICE AND CURB STOP BOX		STORM SEWER

**STORM SEWER GENERAL NOTES**

- ALL CATCH BASINS ARE 5' TYPE R INLETS PER CDOT STANDARD PLAN NO. M-604-12.
- CATCH BASIN COORDINATES ARE SHOWN AT THE STATION POINT DESIGNATED ON THE STANDARD PLAN.
- TC ELEVATION FOR INLETS ARE AT THE CENTER OF THE MANHOLE CASTING
- MAINTAIN MINIMUM 18" VERTICAL AND 10' HORIZONTAL SEPARATION (OUTSIDE OF PIPE TO OUTSIDE OF PIPE) BETWEEN POTABLE WATERLINE AND STORM SEWER LINES.



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SEH Project Checked By Drawn By

NHOAC 156217  
 DEH  
 AMP

Project Status Issue Date  
 TOWN REVIEW 8/26/2020  
 TOWN REVIEW 1/22/2021

Revision Issue  
 Rev. # Description Date  
 1 TOWN COMMENTS 1/22/21

STORM SEWER PLAN -  
 PLAYGROUND  
 1  
**C4.1**

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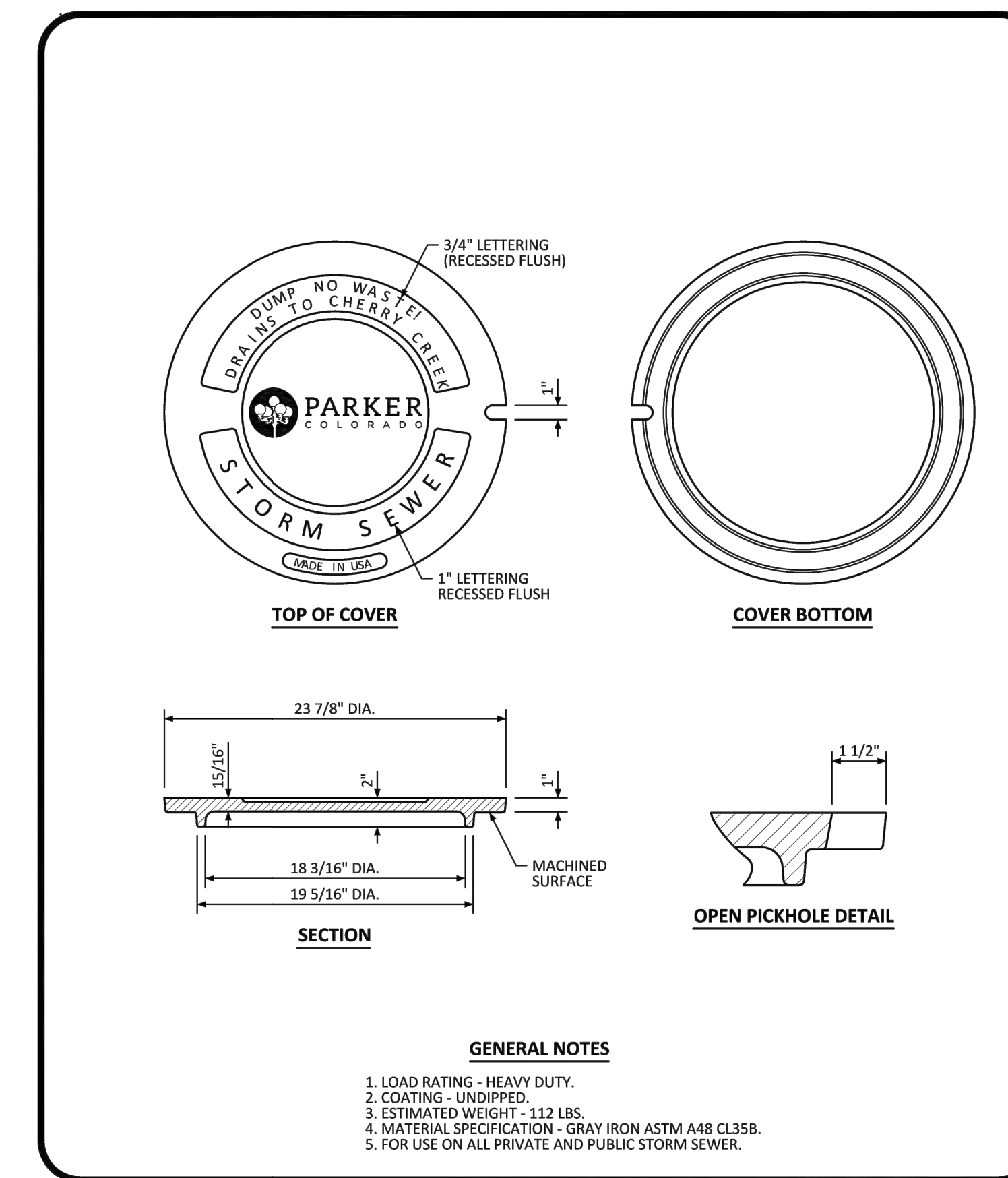
Project Status  
TOWN REVIEW  
TOWN REVIEW

Issue Date  
8/26/2020  
1/22/2021

Revision Issue  
Description  
TOWN COMMENTS

Date  
1/22/21

STORM SEWER DETAILS



**GENERAL NOTES**

- FILL HEIGHTS GREATER THAN MAXIMUM ALLOWED IN THE HEIGHTS OF FILL TABLE ON THIS SHEET REQUIRE SPECIAL DESIGN OF STRUCTURE.
- PIPE DESIGN IS BASED ON SAFETY FACTOR OF 1.33 ON ULTIMATE STRENGTH.
- THE HEIGHTS OF FILL OVER TOP OF PIPE ARE BASED ON UNIT WEIGHT OF SOIL AT 135 LBS PER CUBIC FT.
- PIPE CLASS IS DETERMINED FROM 0.01 IN. CRACK D-LOAD.
- BEDDING IS CLASS B (MODIFIED) FROM CONCRETE PIPE DESIGN MANUAL-AMERICAN CONCRETE PIPE ASSOCIATION WITH SETTLEMENT RATIO R = 0.04 (YIELDING BED). BEDDING MATERIAL FOR RIGID PIPE IN SOIL SHALL BE 3 IN. LOOSE THICKNESS STRUCTURE BACKFILL CLASS 2. BEDDING MATERIAL FOR RIGID PIPE IN ROCK SHALL BE 12 IN. LOOSE THICKNESS STRUCTURE BACKFILL CLASS 1.
- CHANGES IN DESIGN FACTORS REQUIRE COMPENSATING CHANGES IN PIPE DESIGN.
- MINIMUM WALL THICKNESS DIMENSIONS ARE BASED ON ASHTO M 170 (WALL B) FOR CIRCULAR PIPE, AND ASHTO M 207 FOR ELLIPTICAL PIPE.
- SPACING FOR MULTIPLE PIPE INSTALLATIONS SHALL CONFORM TO THE DETAILS SHOWN ON STANDARD PLAN M-200-1.
- WHEN A PIPE IS TO BE EXTENDED, THE SAME PIPE MATERIAL AND SIZE AS IN THE ORIGINAL PIPE INSTALLATION SHALL BE USED.

**NONREINFORCED CONCRETE PIPE**

- AT THE OPTION OF THE CONTRACTOR, NONREINFORCED CONCRETE PIPE CONFORMING TO ASHTO M 88 MAY BE USED IN LIEU OF REINFORCED CONCRETE PIPE FOR ALL SIZES 36 INCHES IN DIAMETER AND SMALLER. THE NONREINFORCED CONCRETE PIPE SHALL MEET THE SAME D-LOAD TO PROVIDE THE ULTIMATE LOAD UNDER THE THREE-EDGE BEARING METHOD AS SPECIFIED FOR REINFORCED CONCRETE PIPE IN CONFORMANCE WITH ASHTO M 170. THE CONTRACTOR SHALL PROVIDE WRITTEN CERTIFICATION OF CONFORMANCE. THE WALL THICKNESS OF THE NONREINFORCED PIPE MAY BE INCREASED AS REQUIRED TO MEET D-LOAD REQUIREMENT.
- ALL REQUIREMENTS FOR REINFORCED CONCRETE PIPE, EXCEPT THOSE REFERRING TO REINFORCEMENT, SHALL APPLY TO NONREINFORCED CONCRETE PIPE.

**REINFORCED CONCRETE PIPE**

HEIGHT OF FILL OVER TOP OF PIPE, H (FEET)

TYPE OF PIPE	CLASS OF PIPE (0.01 IN. CRACK D-LOAD)			
	CLASS CIR II CLASS VE II 1000 D	CLASS CIR III CLASS VE III 1350 D	CLASS CIR IV CLASS VE IV 2000 D	CLASS CIR V CLASS VE V 3000 D
CIRCULAR (CIR)	1 TO 18	1 TO 25	± 25 TO 37	± 37 TO 45
VERTICAL ELLIPTICAL (VE)	1 TO 18	1 TO 25	± 25 TO 37	± 37 TO 45
HORIZONTAL ELLIPTICAL (HE)	1 TO 18	1 TO 25	± 25 TO 37	± 45 TO 62

**ALLOWABLE RANGE OF HEIGHTS FOR FILL OVER REINFORCED CONCRETE PIPE (ALL SIZES)**



**Computer File Information**

Creation Date: 07/31/19  
Designer Initials: JBK  
Last Modification Date: 07/31/19  
Detailer Initials: LTA  
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English

**Sheet Revisions**

Date:	Comments:

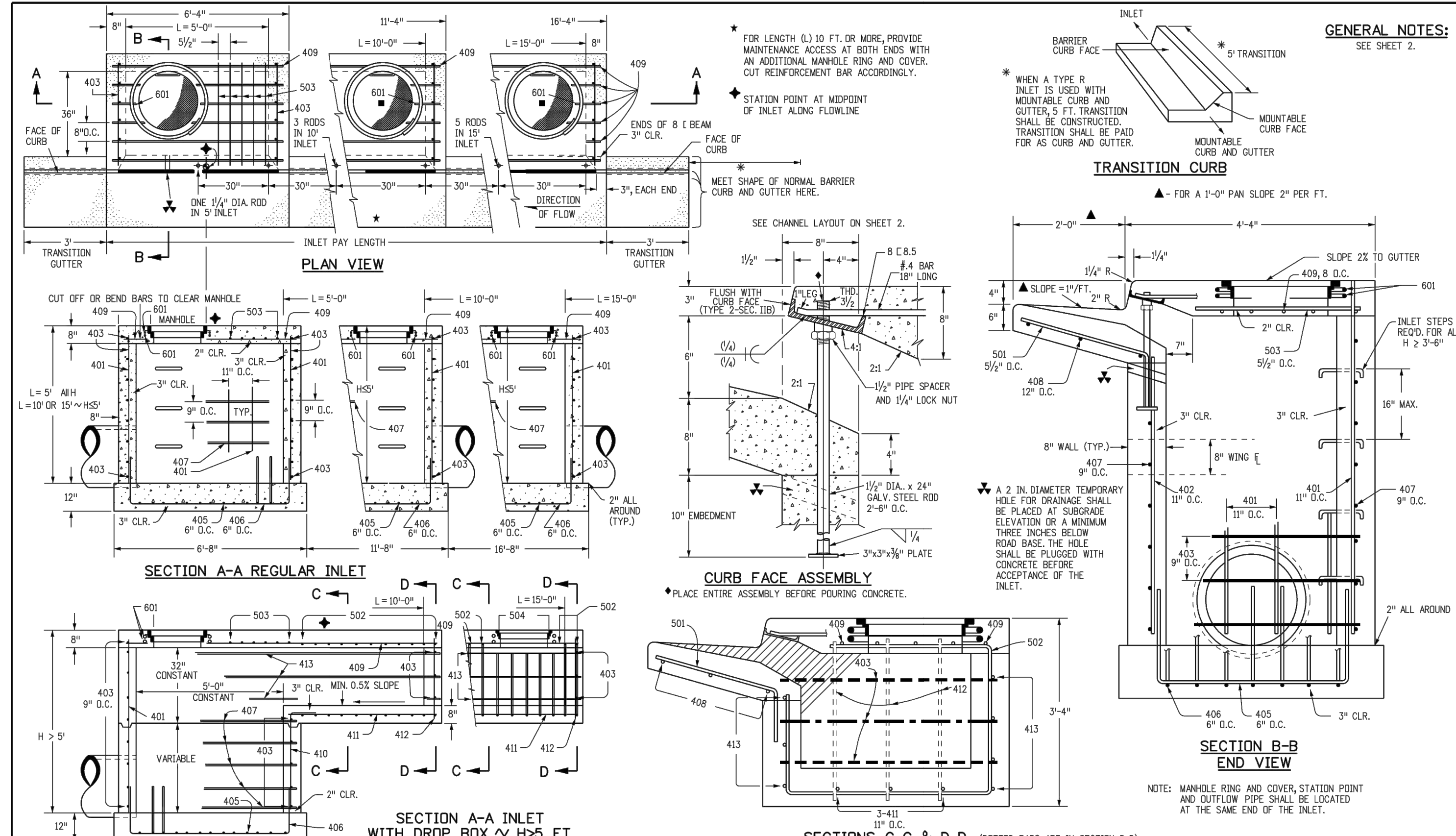
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**Project Development Branch** JBK

**REINFORCED CONCRETE PIPE**

**STANDARD PLAN NO. M-603-2**  
Standard Sheet No. 1 of 1

Issued by the Project Development Branch July 31, 2019 Project Sheet Number:



**Computer File Information**

Creation Date: 07/04/12  
Last Modification Date: 07/04/12  
Full Path: www.coloradodot.com/info/business/designsupport  
Drawing File Name: 6040120102.dgn  
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English

**Sheet Revisions**

Date:	Comments:

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**Project Development Branch** DD/LTA

**CURB INLET TYPE R**

**STANDARD PLAN NO. M-604-12**  
Sheet No. 1 of 2

Issued By: Project Development Branch July 4, 2012

**TABLE ONE ~ BAR LIST FOR CURB INLETS, TYPE "R"**

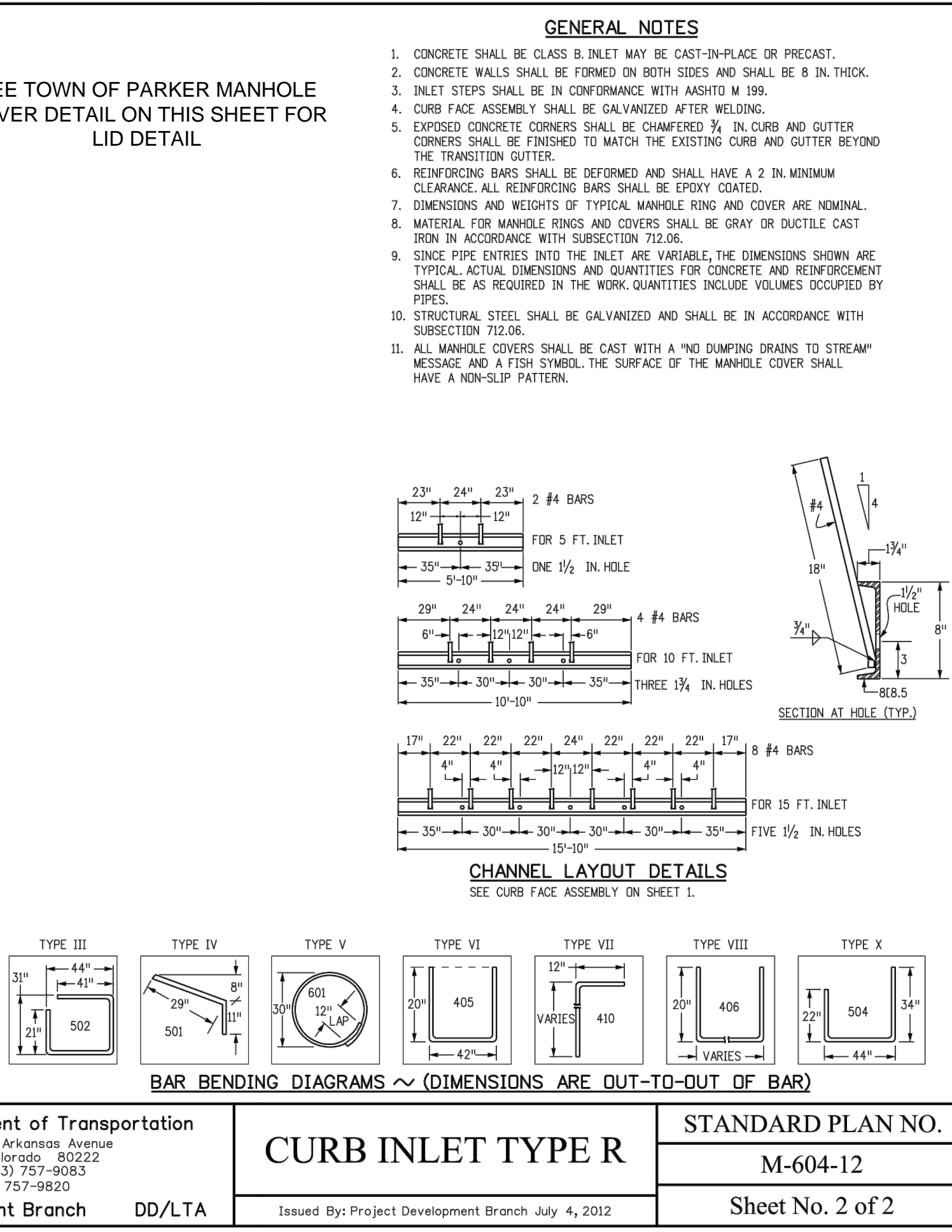
MARK	BAR OR SIZE	O.C. SPACING	TYPE	ALL INLETS			INLETS: H ≤ 5 FT.			INLETS: H > 5 FT.				
				L = 5 FT.	L = 10 FT.	L = 15 FT.	L = 5 FT.	L = 10 FT.	L = 15 FT.	L = 5 FT.	L = 10 FT.	L = 15 FT.		
401	4	11"	II	15	*	21	*	28	*	11	*	11	*	
402	4	11"	II	7	*	13	*	18	*	7	*	7	*	
403	4	9"	II	*	4'-0"	*	4'-0"	*	4'-0"	*	4'-0"	*	4'-0"	
405	4	6"	VI	11	6'-10"	21	6'-10"	31	6'-10"	11	6'-10"	11	6'-10"	
406	4	6"	VIII	7	8'-10"	7	13'-10"	7	18'-10"	7	8'-10"	7	8'-10"	
407	4	9"	II	*	5'-10"	*	10'-10"	*	15'-10"	*	5'-10"	*	5'-10"	
408	4	12"	II	3	6'-10"	3	11'-10"	3	16'-10"	3	11'-10"	3	16'-10"	
409	4	8"	II	6	3'-10"	6	10'-10"	6	15'-10"	6	10'-10"	6	15'-10"	
410	4	11"	VII											
411	4	11"	II							3	5'-2"	3	10'-2"	
412	4	11"	II							3	2'-0"	3	2'-0"	
413	4	9"	II							7	10'-10"	7	10'-10"	
501	5	5 1/2"	IV	11	3'-4"	22	3'-4"	33	3'-4"	22	3'-4"	33	3'-4"	
502	5	5 1/2"	III							11	11'-4"	17	11'-4"	
503	5	5 1/2"	II	5	3'-6"	16	3'-6"	27	3'-6"	6	3'-6"	6	3'-6"	
504	5	5 1/2"	IX										5	8'-4"
601	6	2 1/2"	V	2	8'-10"	2	8'-10"	2	8'-10"	2	8'-10"	2	8'-10"	
801	8	1 1/2"	VI	1	10'-10"	1	10'-10"	1	10'-10"	1	10'-10"	1	10'-10"	

REGULAR INLETS  
DROP BOX INLETS

**TABLE TWO ~ BARS AND QUANTITIES VARIABLE WITH "H"**

"H"	LENGTH	REGULAR		DROP BOX		L = 5 FT.		L = 10 FT.		L = 15 FT.	
		REGULAR	DROP BOX	CONC. CU. YDS.	STEEL LBS.	CONC. CU. YDS.	STEEL LBS.	CONC. CU. YDS.	STEEL LBS.	CONC. CU. YDS.	STEEL LBS.
3'-0"	2'-8"	10	7	3.2	285	5.3	497	7.4	706		
3'-6"	3'-2"	10	7	3.4	305	5.7	528	7.9	747		
4'-0"	3'-8"	12	9	3.7	326	6.0	559	8.4	786		
4'-6"	4'-2"	12	9	3.9	334	6.4	571	8.8	803		
5'-0"	4'-8"	14	11	4.1	354	6.7	602	9.3	844		
5'-6"	5'-2"	16	13	4.4	375	7.0	633	9.7	874		
6'-0"	5'-8"	16	13	4.6	382	7.2	646	10.0	887		
6'-6"	6'-2"	18	15	4.8	402	7.4	659	10.3	900		
7'-0"	6'-8"	20	17	5.0	423	7.6	672	10.6	914		
7'-6"	7'-2"	20	17	5.3	450	7.8	694	10.9	927		
8'-0"	7'-8"	22	19	5.5	451	8.0	707	11.2	940		
8'-6"	8'-2"	24	21	5.7	471	8.2	720	11.5	954		
9'-0"	8'-8"	24	21	6.0	479	8.4	733	11.8	967		
9'-6"	9'-2"	26	23	6.2	499	8.6	746	12.1	980		
10'-0"	9'-8"	28	25	6.4	520	8.8	759	12.4	994		
10'-6"	10'-2"	28	25	6.7	527	9.0	772	12.7	1007		
11'-0"	10'-8"	30	27	6.9	547	9.2	785	13.0	1020		

NOTES: FOR L = 5 FT., L = 10 FT., AND L = 15 FT.  
REGULAR INLETS: TOTAL QUANTITIES NEEDED ARE INSIDE THE HEAVY BLACK LINE.  
DROP BOX INLETS: TOTAL QUANTITIES NEEDED ARE OUTSIDE THE HEAVY BLACK LINE.  
STEEL WEIGHTS DO NOT INCLUDE STRUCTURAL STEEL CHANNEL.



**Computer File Information**

Creation Date: 07/04/12  
Last Modification Date: 07/04/12  
Full Path: www.coloradodot.com/info/business/designsupport  
Drawing File Name: 6040120102.dgn  
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English

**Sheet Revisions**

Date:	Comments:

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**Project Development Branch** DD/LTA

**CURB INLET TYPE R**

**STANDARD PLAN NO. M-604-12**  
Sheet No. 2 of 2

Issued By: Project Development Branch July 4, 2012

NOT FOR CONSTRUCTION

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### MANHOLE BOX BASE

**GENERAL NOTES**

- SINCE ALL PIPE ENTRIES INTO THE BASE ARE VARIABLE, THE DIMENSIONS SHOWN ARE TYPICAL ACTUAL DIMENSIONS AND QUANTITIES FOR CONCRETE AND REINFORCEMENT SHALL BE AS REQUIRED IN THE WORK.
- THE PRECAST FLAT TOP MAY BE USED ON ANY MANHOLE, THE ECCENTRIC CONE MAY BE USED WHEN THE MANHOLE 1/4" HEIGHT IS AT LEAST 8 FT.
- THE MANHOLE RING FRAME SHALL BE SET IN A BED OF GROUT. THE FRAME SHALL BE SURROUNDED WITH A CEMENT GROUT IN UNPAVED AREA, OR A CONCRETE COLLAR IN PAVED AREA. SEE DETAILS ON SHEETS 2 AND 3.
- DESIGN OF BOX BASE IS BASED ON STRAIGHT RUNS OF PIPE OR CHANGE IN DIRECTION OF LESS THAN 45°. SPECIAL DESIGN IS REQUIRED FOR 45° OR GREATER.
- PRECAST MANHOLES AND REINFORCEMENT SHALL CONFORM TO AASHTO M 199 (ASTM C 478).
- CAST-IN-PLACE MANHOLES SHALL BE CLASS B CONCRETE.
- STEPS SHALL BE REQUIRED WHEN THE MANHOLE DEPTH EXCEEDS 3 FT. - 6 IN. AND SHALL CONFORM TO AASHTO M 199.
- ALL REINFORCING STEEL SHALL BE GRADE 60 AND EPOXY COATED. VERTICAL STEEL SHALL BE PLACED AT CENTERLINE OF WALL. ALL BARS SHALL HAVE A 2 IN. MINIMUM CLEARANCE.
- ALL PIPE ENTRIES INTO THE BASE OF MANHOLE SHALL BE CONNECTED BY OPEN CHANNELIZATION ADJUSTED FOR PIPE SIZE, SLOPE, AND DIRECTION OF FLOW. DETAILS SHOW ARE TYPICAL FOR INSTALLATIONS WITH ALL INVERTS OF SAME RELATIVE ELEVATION. FOR EXCESSIVE ELEVATION DIFFERENCE BETWEEN INVERTS, SPECIAL BASE CHANNEL DETAILS WILL BE SHOWN ON THE PLANS.
- FLOW CHANNELS AND INVERTS SHALL BE FORMED BY SHAPING WITH CLASS B CONCRETE OR APPROVED GROUT.
- STUB-OUTS SHALL EXTEND 2 FT. MINIMUM BEYOND OUTSIDE WALL SURFACE OF MANHOLE AND BE SATISFACTORILY PLUGGED.
- THE SLOPE OF THE MANHOLE COVER SHALL MATCH THE ROADWAY PROFILE AND CROSS SLOPE.
- WHEN FINAL GRADE IS PAVEMENT SURFACE, RECESS MANHOLE RING AND COVER 1/4" MIN. TO 1/2" MAX.

MARK	SIZE	TYPE	WT. #/FT.	BARS	54"	60"	66"	72"	84"	96"	FORMULAS
401	4	I	0.668	(NO. REQ'D. LENGTH) * (WT. #/FT.)	18	18	18	18	18	18	401 BAR LENGTH = 32" + 2W + I.D.
402	4	III	0.668	(NO. REQ'D. LENGTH) * (WT. #/FT.)	5	5	5	5	5	5	402 BAR LENGTH = I.D. + 2W
501	5	I	1.043	(NO. REQ'D. LENGTH) * (WT. #/FT.)	17	17	17	17	17	17	501 BAR LENGTH = 24" + I.D. + 2W
502	5	I	1.043	(NO. REQ'D. LENGTH) * (WT. #/FT.)	22	22	22	22	22	22	502 NUMBER BARS REQ'D. = 3 + (24+I.D.+2W) / 5"
503	5	II	1.043	(NO. REQ'D. LENGTH) * (WT. #/FT.)	16	16	16	16	16	16	503 NUMBER BARS REQ'D. = 2 * (13+I.D.+2W) / 5"
504	5	I	1.043	(NO. REQ'D. LENGTH) * (WT. #/FT.)	12	12	12	12	12	12	504 NUMBER BARS REQ'D. = 2 * (2W+I.D.+2) / 5"
1101	11	I	5.313	(NO. REQ'D. LENGTH) * (WT. #/FT.)	7-2"	7-9"	8-4"	8-11"	10-3"	11-3"	1101 BAR LENGTH = 21" + I.D. + 2W
1102	11	I	5.313	(NO. REQ'D. LENGTH) * (WT. #/FT.)	2-8"	2-8"	2-8"	2-8"	2-8"	2-8"	TYPE I
1103	11	I	5.313	(NO. REQ'D. LENGTH) * (WT. #/FT.)	5-0"	5-0"	5-0"	5-0"	5-0"	5-0"	TYPE II
REINFORCING STEEL TOTAL					95.6	107.5	127.2	150.0	180.2	180.0	
CONCRETE - CUBIC YARDS - TOTAL					6.0	6.6	7.3	8.0	9.5	11.1	

NOTE: QUANTITIES ARE BASED ON SAME SIZE PIPE ENTRANCE TO AND EXIT FROM, BASE AND A 4 FT. MANHOLE ENTRANCE INTO TOP SLAB OF BASE.

**QUANTITIES FOR CONCRETE MANHOLE BOX BASE**

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Last Modification Date: 07/04/12 Initials: LTA		Project Development Branch DD/LTA	M-604-20
Full Path: www.coloradodot.info/business/designsupport			Sheet No. 1 of 3
Drawing File Name: M060402003.dgn			Issued By: Project Development Branch July 4, 2012
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English			

### T-BASE MANHOLES NOTES

- THE T-BASE SECTION SHALL BE SHOP-FABRICATED FOR DELIVERY TO THE CONSTRUCTION SITE AS A COMPLETE UNIT.
- THESE DETAILS SHOW ONLY THE CONCEPTUAL AND STANDARD DIMENSIONAL REQUIREMENTS FOR TYPE T-BASE MANHOLES. THE CONTRACTOR SHALL FURNISH DETAILED SHOP DRAWINGS FOR APPROVAL, PRIOR TO FABRICATION. THE DETAILS SHOWN HEREIN APPLY ONLY TO 48 IN. AND GREATER DIAMETER PIPES.
- EXCEPT FOR CLASS OF PIPE SPECIFICATIONS FOR THE MANHOLE SHALL BE THE SAME AS THESE REQUIRED FOR THE ADJOINING PIPE.
- THE T-BASE SECTION SHALL MAINTAIN ITS INTERNAL SHAPE AND FLOW AREA. GROUTING OR FILLING SHALL BE APPLIED SO AS TO NOT DISTURB THE NORMAL FLOW OR REDUCE THE AREA.

WHEN ADJUSTMENT HEIGHT IS 3 IN. OR LESS, METAL ADJUSTMENT RINGS COMPATIBLE WITH THE EXISTING MANHOLE RING AND COVER MAY BE USED IF APPROVED BY THE ENGINEER.

WHEN FINAL GRADE IS PAVEMENT SURFACE, RECESS MANHOLE RING AND COVER 1/4" MIN. TO 1/2" MAX.

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Full Path: www.coloradodot.info/business/designsupport			Sheet No. 2 of 3
Drawing File Name: 60402003.dgn			Issued By: Project Development Branch July 4, 2012
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### MANHOLE BOX BASE

**SECTION A-A MANHOLE RING AND COVER**

FINAL GRADE

MANHOLE RING AND COVER (RIM ELEVATION)

IN UNPAVED AREA USE CEMENT GROUT

GRADE RINGS OR BRICK COURSES

PRECAST MANHOLE SECTIONS

MANHOLE RING AND COVER

SEE SHEET 3 FOR CONCRETE COLLAR DETAILS

GRADE RINGS OR BRICK COURSES

PRECAST FLAT TOP

24" DIA. MANHOLE RISER SECTIONS

4" DIA. MANHOLE RISER SECTIONS

PRECAST FLAT TOP

FLEXIBLE JOINT SEAL CONFORMING TO AASHTO M 198 (TYP.)

MANHOLE RING AND COVER

FINAL GRADE

MANHOLE RING AND COVER

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FINAL GRADE

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SEE SHEET 3 FOR CONCRETE COLLAR DETAILS

GRADE RINGS OR BRICK COURSES

PRECAST FLAT TOP

24" DIA. MANHOLE RISER SECTIONS

4" DIA. MANHOLE RISER SECTIONS

PRECAST FLAT TOP

FLEXIBLE JOINT SEAL CONFORMING TO AASHTO M 198 (TYP.)

MANHOLE RING AND COVER

FINAL GRADE

MANHOLE RING AND COVER

SEE SHEET 3 FOR CONCRETE COLLAR DETAILS

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4" DIA. MANHOLE RISER SECTIONS

PRECAST FLAT TOP

FLEXIBLE JOINT SEAL CONFORMING TO AASHTO M 198 (TYP.)

MANHOLE RING AND COVER

FINAL GRADE

MANH



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NEW HORIZON ACADEMY -  
DOUGLAS 234 FILING, NO. 6  
PARKER, CO

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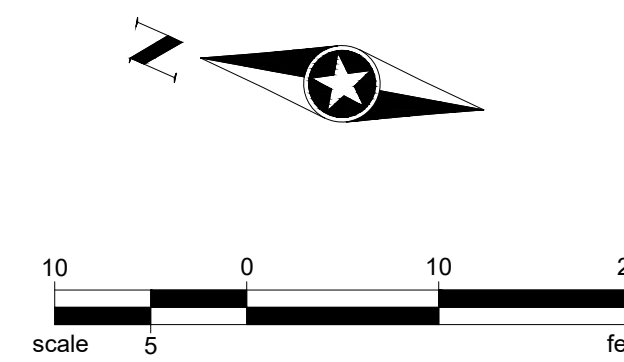
Project Status: TOWN REVIEW  
Issue Date: 8/26/2020  
TOWN REVIEW: 1/22/2021

Revision Issue  
Rev. # 1  
Description: TOWN COMMENTS  
Date: 1/22/21

SIGNAGE PLAN

1

C5.0



LEGEND	
	PROPERTY LINE
	LOT LINES
	UTILITY EASEMENT
	PROPOSED UTILITY EASEMENT
	PERMANENT EASEMENT
	SETBACK LINE
	WATER MAIN
	GAS MAIN
	SANITARY SEWER
	STORM SEWER

ACCESSIBLE PARKING, 12'X18' R7-8  
"WHEELCHAIR ACCESS AISLE, ABSOLUTELY NO PARKING" SIGN  
ACCESSIBLE PARKING, 12'X18' R7-8  
VAN ACCESSIBLE, 12'X6' R7-8B

6.00'  
24-INCH WHITE BLOCK (TYP)  
CENTER ON VEHICLE WHEEL PATH

INTERNATIONAL SYMBOL OF ACCESSIBILITY,  
WHITE PAINT, 3" MINIMUM STROKE WIDTH,  
28" HIGH BY 24" WIDE MINIMUM (TYP)  
4" WHITE STRIPE  
SPACED 4' O.C. (TYP)

NO PARKING FIRE LANE SIGN, 18"X24" R8-31

FIRE SERVICE  
USE CENTER  
DRIVE AS  
HAMMERHEAD  
24"X18" APPROX. SIZE

STOP SIGN, 30"X30" R1-1

24-INCH WHITE BLOCK (TYP)  
CENTER ON VEHICLE WHEEL PATH

24-INCH WHITE STOP LINE

Save: 1/22/2021 4:49 PM appopp Plot: 1/23/2021 8:07 AM X:\KONN\NHOAC\156217\5-final-dsgn\51-drawings\10-Civil\cd\dwg\sheet\Site Plans\C5\_NHOAC\156217\_Signage Plan.dwg

NOTE:  
ALL PARKING STALLS ARE 9' X 18'

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Checked By: SB  
Drawn By: DRS

Project Status: Issue Date  
REVIEW SET: 02.04.2020  
BUILDING PERMIT SET: 08.17.2020

Rev. #	Description	Date
1	City Comments	01/15/2021

PRELIMINARY EXTERIOR ELEVATIONS

A2.1



1 WEST ELEVATION  
SCALE: 3/16" = 1'-0"  
0' 2' 6' 12' 21'-4"

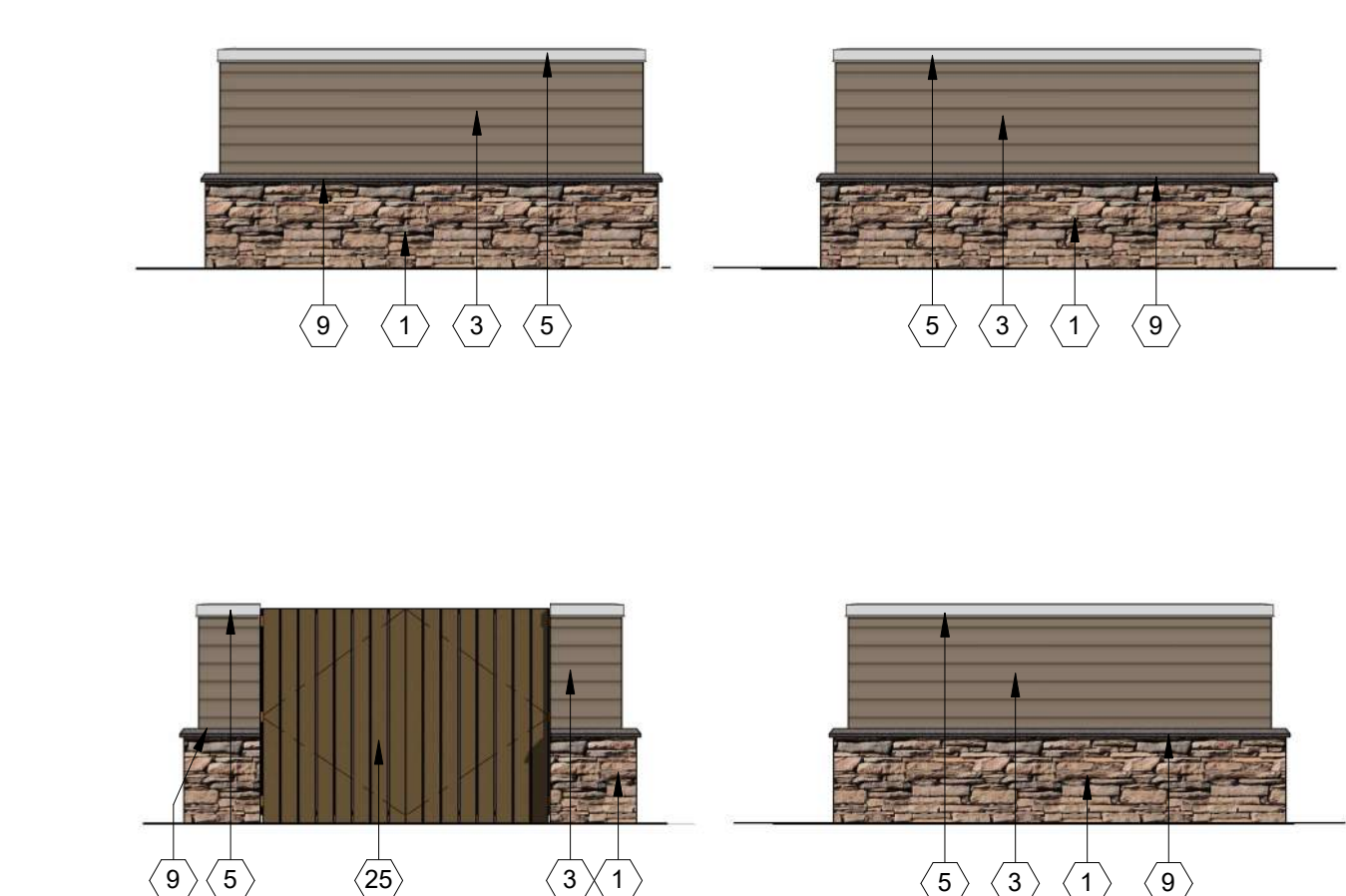


2 SOUTH ELEVATION  
SCALE: 3/16" = 1'-0"  
0' 2' 6' 12' 21'-4"

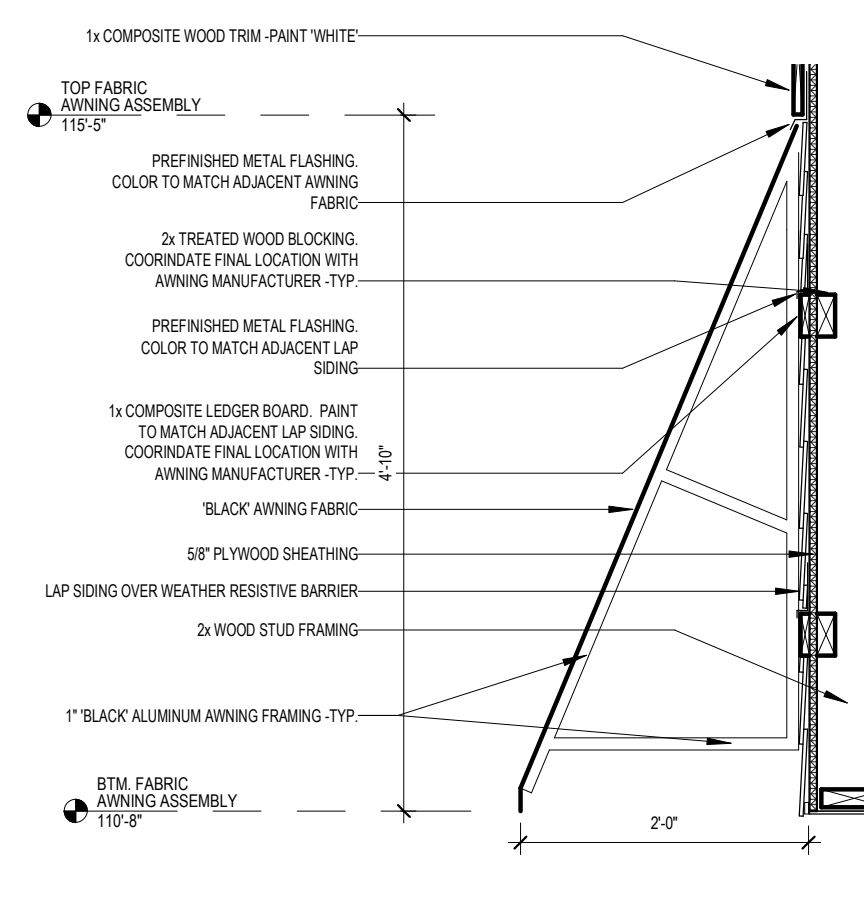


3 NORTH ENTRY ELEVATION  
3/16" = 1'-0"

4 SOUTH ENTRY ELEVATION  
3/16" = 1'-0"



5 TRASH ENCLOSURE  
3/16" = 1'-0"



6 FABRIC AWNING DETAIL  
3/4" = 1'-0"

**ELEVATION KEY NOTES (#)**

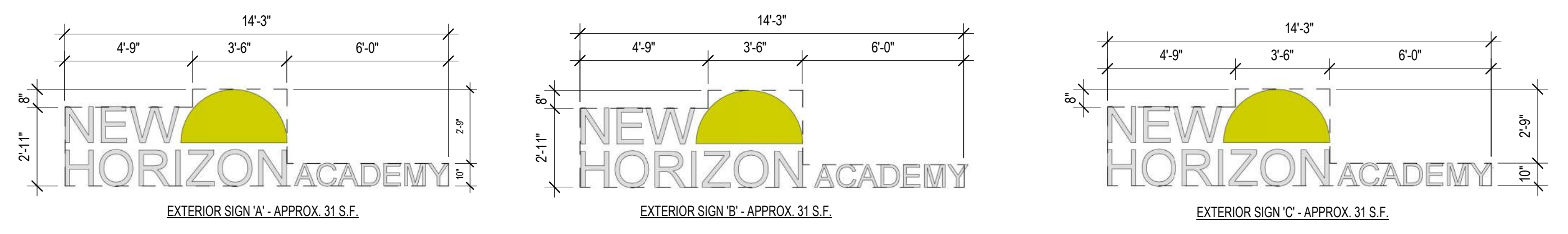
- STONE - SOUTHERN LEDGESTONE 'CHARDONNAY' BY CULTURED STONE
- FIBER CEMENT BOARD AND BATTEN SIDING - HARDIEPANEL VERTICAL SIDING - SMOOTH - 'KHAKI BROWN' WITH HARDIETRIM BOARD - SMOOTH BATTEN BOARD - 'KHAKI BROWN' BY JAMES HARDIE
- FIBER CEMENT HORIZONTAL SIDING - HARDIEPLANK - SMOOTH - 'KHAKI BROWN' BY JAMES HARDIE
- FIBER CEMENT BOARD AND BATTEN SIDING - HARDIEPANEL VERTICAL SIDING - SMOOTH - 'COBBLESTONE' WITH HARDIETRIM BOARD - SMOOTH BATTEN BOARD - 'COBBLESTONE' BY JAMES HARDIE
- PREFINISHED METAL COPING - 'WHITE'
- ALUMINUM STOREFRONT FRAMING / GLAZING ASSEMBLY - INSULATED LOW-E GLASS WITH 'DARK BRONZE' ANODIZED ALUMINUM FRAMES
- ALUMINUM DOOR / TRANSOM / GLAZING ASSEMBLY - INSULATED LOW-E GLASS WITH 'DARK BRONZE' ANODIZED ALUMINUM FRAMES
- HOLLOW METAL DOOR AND FRAME - PAINT TO MATCH 'DARK BRONZE'
- ARCHITECTURAL PRECAST CONCRETE SILL
- 14'-3" x 3'-7" EXTERIOR LED 'NEW HORIZON ACADEMY' AND 'SUN' SIGNAGE. SEE ELECTRICAL DRAWINGS FOR FURTHER INFORMATION.
- FIBER CEMENT CORNICE - PAINT 'WHITE'
- PREFINISHED METAL SCUPPER AND 4"x6" DOWNSPOUT - 'DARK BRONZE'. CONNECT DOWNSPOUT TO UNDERGROUND STORM SEWER. SEE CIVIL DRAWINGS FOR FURTHER INFORMATION.
- LED LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS FOR FURTHER INFORMATION
- 1x FIBER CEMENT TRIM - PAINT 'WHITE'
- 'BLUE' FABRIC AWNING.
- DASHED LINE DENOTES TOP OF ROOF BEYOND
- FIBER CEMENT DENTIL MOLDING - PAINT 'WHITE'
- ARCHITECTURAL PRECAST CONCRETE COLUMN CAP
- 8x8 WOOD COLUMN. SEE STRUCTURAL FOR FURTHER INFORMATION
- 4x12 WOOD BEAM
- 1x FIBER CEMENT TRIM - PAINT 'NEW HORIZON BLUE'
- WALL MOUNTED CT CABINET - PAINT TO MATCH ADJACENT FINISH
- ELECTRICAL METER - PAINT TO MATCH ADJACENT FINISH
- 1'-0" HIGH x 2'-0" WIDE SCUPPER OPENING
- WOODEN TRASH ENCLOSURE GATE AND POST ASSEMBLY



**1 EAST ELEVATION**  
SCALE: 3/16" = 1'-0"  
0' 2' 6' 12' 21'-4"



**2 NORTH ELEVATION**  
SCALE: 3/16" = 1'-0"  
0' 2' 6' 12' 21'-4"



**3 EXTERIOR SIGN SCHEDULE**  
1/4" = 1'-0"

**ELEVATION KEY NOTES #**

1. STONE - SOUTHERN LEDGESTONE 'CHARDONNAY' BY CULTURED STONE
2. FIBER CEMENT BOARD AND BATTEN SIDING - HARDIEPANEL VERTICAL SIDING - SMOOTH - 'KHAKI BROWN' WITH HARDIETRIM BOARD - SMOOTH BATTEN BOARD - 'KHAKI BROWN' BY JAMES HARDIE
3. FIBER CEMENT HORIZONTAL SIDING - HARDIEPLANK - SMOOTH - 'KHAKI BROWN' BY JAMES HARDIE
4. FIBER CEMENT BOARD AND BATTEN SIDING - HARDIEPANEL VERTICAL SIDING - SMOOTH - 'COBBLESTONE' WITH HARDIETRIM BOARD - SMOOTH BATTEN BOARD - 'COBBLESTONE' BY JAMES HARDIE
5. PREFINISHED METAL COPING - 'WHITE'
6. ALUMINUM STOREFRONT FRAMING / GLAZING ASSEMBLY - INSULATED LOW-E GLASS WITH 'DARK BRONZE' ANODIZED ALUMINUM FRAMES
7. ALUMINUM DOOR / TRANSOM / GLAZING ASSEMBLY - INSULATED LOW-E GLASS WITH 'DARK BRONZE' ANODIZED ALUMINUM FRAMES
8. HOLLOW METAL DOOR AND FRAME - PAINT TO MATCH 'DARK BRONZE'
9. ARCHITECTURAL PRECAST CONCRETE SILL
10. 14'-3" x 3'-7" EXTERIOR LED 'NEW HORIZON ACADEMY' AND 'SUN' SIGNAGE. SEE ELECTRICAL DRAWINGS FOR FURTHER INFORMATION.
11. FIBER CEMENT CORNICE - PAINT 'WHITE'
12. PREFINISHED METAL SCUPPER AND 4"x6" DOWNSPOUT - 'DARK BRONZE'. CONNECT DOWNSPOUT TO UNDERGROUND STORM SEWER. SEE CIVIL DRAWINGS FOR FURTHER INFORMATION.
13. LED LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS FOR FURTHER INFORMATION
14. 1x FIBER CEMENT TRIM - PAINT 'WHITE'
15. 'BLUE' FABRIC AWNING.
16. DASHED LINE DENOTES TOP OF ROOF BEYOND
17. FIBER CEMENT DENTIL MOLDING - PAINT 'WHITE'
18. ARCHITECTURAL PRECAST CONCRETE COLUMN CAP
19. 8x8 WOOD COLUMN. SEE STRUCTURAL FOR FURTHER INFORMATION
20. 4x12 WOOD BEAM
21. 1x FIBER CEMENT TRIM - PAINT 'NEW HORIZON BLUE'
22. WALL MOUNTED CT CABINET - PAINT TO MATCH ADJACENT FINISH
23. ELECTRICAL METER - PAINT TO MATCH ADJACENT FINISH
24. 1'-0" HIGH x 2'-0" WIDE SCUPPER OPENING
25. WOODEN TRASH ENCLOSURE GATE AND POST ASSEMBLY

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**NEW HORIZON ACADEMY**  
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SEH Project: NHOAC 156217  
Checked By: SB  
Drawn By: DRS

Project Status: Issue Date: 02.04.2020  
REVIEW SET  
BUILDING PERMIT SET: 08.17.2020

Rev. #	Description	Date
1	City Comments	01/15/2021

PRELIMINARY EXTERIOR ELEVATIONS



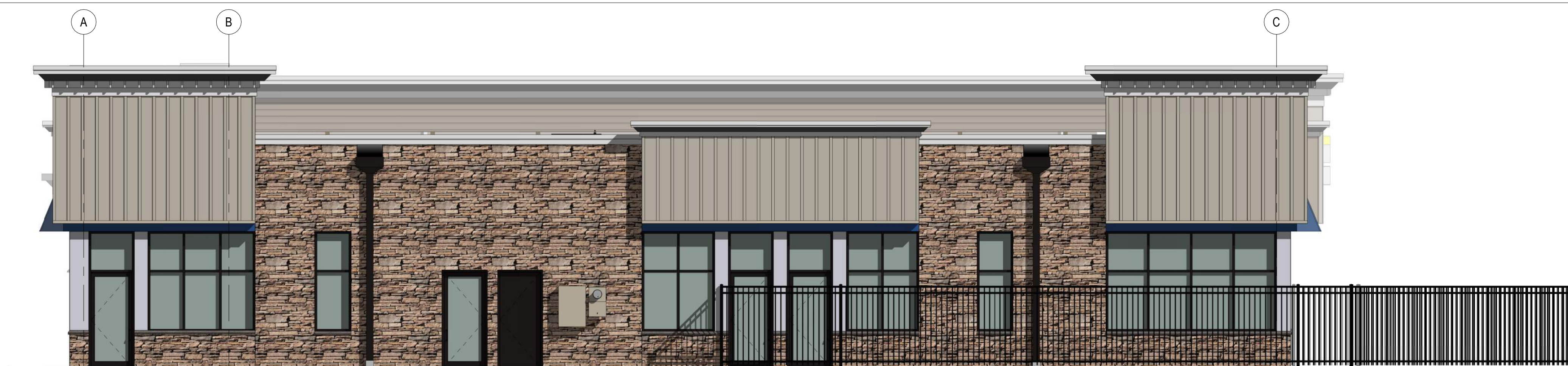
1 WEST ELEVATION  
3/16" = 1'-0"



2 NORTH ELEVATION  
3/16" = 1'-0"



3 EAST ELEVATION  
3/16" = 1'-0"



4 SOUTH ELEVATION  
3/16" = 1'-0"

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Revision Issue

Rev. #	Description	Date

PRELIMINARY ELEVATIONS



1 NORTHWEST PERSPECTIVE



2 NORTHEAST PERSPECTIVE

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Project Status: Issue Date  
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Revision Issue

Rev. #	Description	Date

PERSPECTIVE



1 SOUTHWEST PERSPECTIVE



2 SOUTHEAST PERSPECTIVE

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**Project Status** Issue Date  
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BUILDING PERMIT SET 08.17.2020

Revision Issue		
Rev. #	Description	Date



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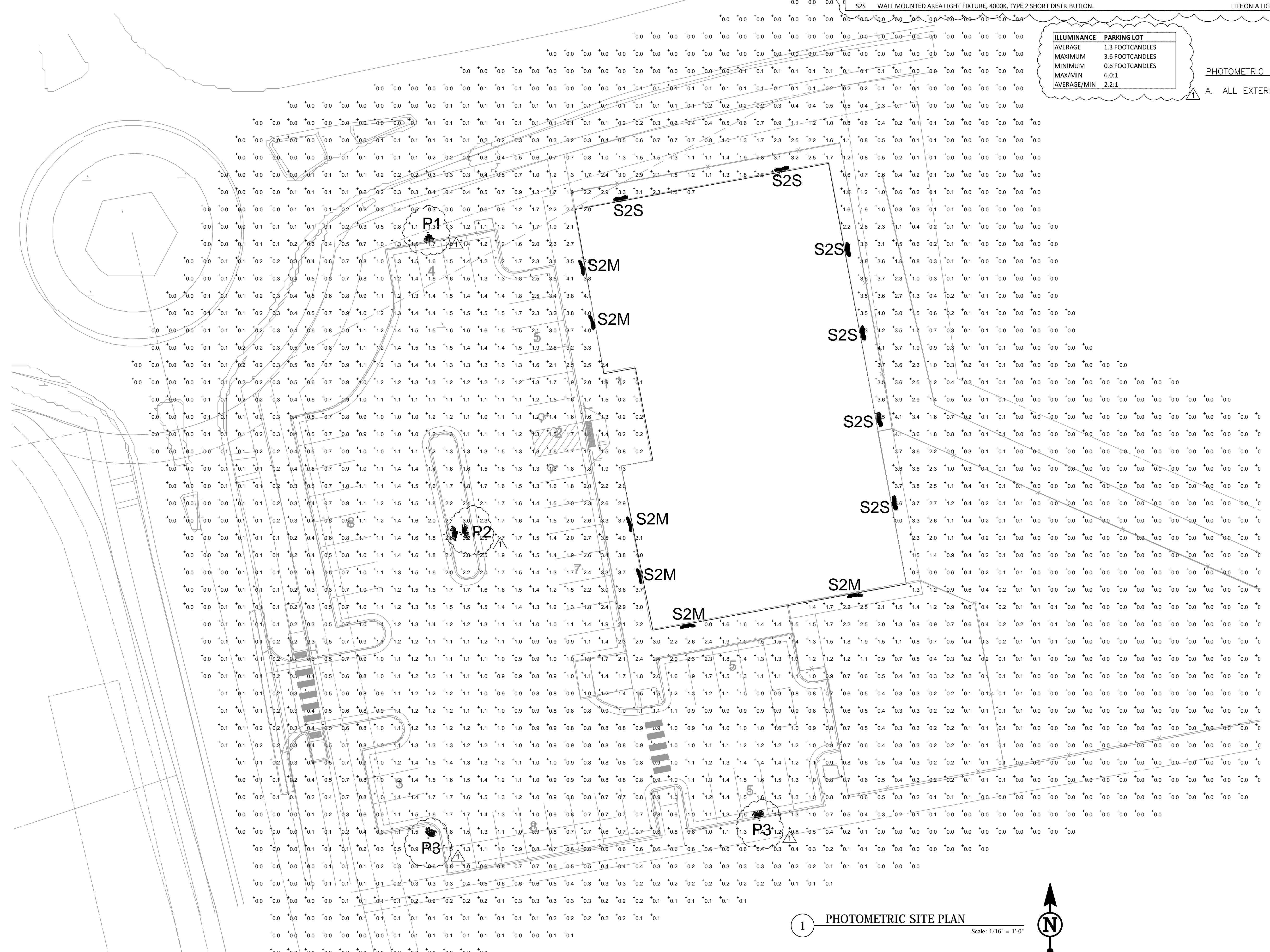
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TYPE	DESCRIPTION	CATALOG #	MOUNTING
P1	POLE MOUNTED AREA LED LIGHT FIXTURE, 4000K, TYPE TFTM FORWARD THROW DISTRIBUTION W/HOUSE SIDE SHIELDS POLE: ROUND STRAIGHT STEEL, DARK BRONZE FINISH	LITHONIA LIGHTING: DSX1-LED-P2-40K-TFTM-MVOLT-RPA-HS POLE: LITHONIA LIGHTING RSS, DDBXD	POLE: 25 FEET
P2	TWIN POLE MOUNTED AREA LED LIGHT FIXTURES, 4000K, TYPE 3 MEDIUM DISTRIBUTION POLE: ROUND STRAIGHT STEEL, DARK BRONZE FINISH	LITHONIA LIGHTING: DSX1-LED-P2-40K-T3M-MVOLT-RPA POLE: LITHONIA LIGHTING RSS, DDBXD	POLE: 25 FEET
P3	TWIN POLE MOUNTED AREA LED LIGHT FIXTURES, 4000K, TYPE 4 MEDIUM DISTRIBUTION W/HOUSE SIDE SHIELDS POLE: ROUND STRAIGHT STEEL, DARK BRONZE FINISH	LITHONIA LIGHTING: DSX1-LED-P2-40K-T4M-MVOLT-RPA-HS POLE: LITHONIA LIGHTING RSS, DDBXD	POLE: 25 FEET
S2M	WALL MOUNTED AREA LIGHT FIXTURE, 4000K, TYPE 2 MEDIUM DISTRIBUTION.	LITHONIA LIGHTING: DSXW1-LED-10C-700-40K-T2M	WALL: 12 FEET
S2S	WALL MOUNTED AREA LIGHT FIXTURE, 4000K, TYPE 2 SHORT DISTRIBUTION.	LITHONIA LIGHTING: DSXW1-LED-10C-700-40K-T2S	WALL: 12 FEET

ILLUMINANCE	PARKING LOT
AVERAGE	1.3 FOOTCANDLES
MAXIMUM	3.6 FOOTCANDLES
MINIMUM	0.6 FOOTCANDLES
MAX/MIN	6.0:1
AVERAGE/MIN	2.2:1

PHOTOMETRIC SITE PLAN GENERAL NOTES:

A. ALL EXTERIOR LIGHT FIXTURES SHALL BE FULL CUTOFF.



1 PHOTOMETRIC SITE PLAN Scale: 1/16" = 1'-0"

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**Structural Engineer**

**Mechanical Engineer**

**Electrical Engineer**

New Horizon Academy  
**NEW HORIZON ACADEMY -  
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SEH Project: NHOAC 15R217  
Checked By: RW  
Drawn By: VT

Project Status	Issue Date

Revision Issue	Date



### Performance Data

**Lumen Ambient Temperature (LAT) Multipliers**  
Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient Temperature	Lumen Multiplier
0°C	1.00
5°C	1.04
10°C	1.07
15°C	1.09
20°C	1.11
25°C	1.10
30°C	1.09
35°C	1.07
40°C	1.04

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the luminaire noted in a 25°C ambient, based on 100,000 hours of LED testing tested per IESNA LM-80-08 and projected per IESNA TM-21-11.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.96
50,000	0.92
100,000	0.85

Option	Dimmed State	High Level (stepped)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5°C	5 min	3 sec	5 min
*PIR/PICH or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 1°C	5 min	3 sec	5 min

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire, used to dim the driver dimming loads.	Allows the luminaire to be manually dimmed, effectively increasing the light output.	FAO device	Cannot be used with other control options that need the PIR/PIH.
DS	Diodes wired independently for 50/50 lumen operation.	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired diodes	Requires two separately switched circuits. Consider night/air as a more cost effective alternative.
PIH or PIRH	Twist lock photocell receptacle	Compatible with standard twist lock photocells. Includes a driver operation, or advanced control wires that provide 0-10V dimming signals.	Twist lock photocell such as DLI Elite or advanced control nodes such as ROAM.	Use 4.5" dimming leads on driver, PIRH is a capped inline luminaire.
PIR or PIRH	Motion sensor with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting.	Luminaire dim when an occupancy is detected.	Acuity Controls SGR	Also available with PIR/PICH when the sensor photocell is used for dusk-to-dawn operation.
NIGHT/PIR/PIH	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor override when wireless connected to the nLight Edge.	nLight AIR r202	nLight AIR sensors can be programmed and commissioned from the ground using the nLight App.

### Performance Data

**Lumen Output**  
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts Contact factory for performance data on any configurations not shown here.

LED Count	Drive Current	Power Package	System Watts	Bac. Type	10V (100% FC)						5V (50% FC)						0V (0% FC)					
					Lumens		lm/W		lm/W		Lumens		lm/W		Lumens		lm/W		Lumens		lm/W	
					l	ft	lm	ft	lm	ft	lm	ft	lm	ft	lm	ft	lm	ft	lm	ft	lm	ft
30	530	P1	5W	S/W	T15	6,457	2	0	2	120	6,956	2	0	2	129	7,044	2	0	2	130		
					T25	4,450	2	0	2	119	4,949	2	0	2	129	7,037	2	0	2	130		
					T30	4,483	1	0	1	120	4,944	2	0	2	129	7,073	2	0	2	131		
					T35	6,279	2	0	2	116	6,544	2	0	2	125	8,950	2	0	2	127		
					T38	4,468	1	0	1	120	4,963	1	0	1	129	7,056	1	0	1	131		
					T48	6,327	1	0	1	117	6,816	1	0	1	126	8,902	1	0	1	128		
					FT38	4,464	1	0	1	124	4,963	1	0	1	129	7,051	1	0	1	131		
					TSV5	6,722	2	0	2	73	7,242	3	0	3	124	7,314	3	0	3	126		
					TSV	6,728	2	0	2	115	7,248	2	0	2	134	7,340	2	0	2	136		
					TSM	6,713	3	0	3	124	7,220	3	0	3	134	7,311	3	0	3	136		
					TSM	6,667	3	0	3	123	7,182	3	0	3	133	7,273	3	0	3	135		
					B/C	5,299	1	0	1	98	5,709	1	0	1	106	5,781	1	0	1	107		
LED	1,943	1	0	1	73	4,248	1	0	1	79	4,320	1	0	1	78							
KCO	1,943	1	0	1	73	4,248	1	0	1	79	4,302	1	0	1	77							
T15	8,249	2	0	2	112	8,695	2	0	2	127	8,999	2	0	2	129							
T25	8,249	2	0	2	118	8,695	2	0	2	127	8,999	2	0	2	129							
T30	8,283	2	0	2	118	8,923	2	0	2	127	9,036	2	0	2	129							
T35	8,023	2	0	2	115	8,641	2	0	2	125	8,733	2	0	2	125							
T38	8,263	2	0	2	118	8,903	2	0	2	127	9,014	2	0	2	129							
T48	8,083	2	0	2	115	8,708	2	0	2	126	8,818	2	0	2	128							
FT38	8,257	2	0	2	118	8,906	2	0	2	127	9,008	2	0	2	129							
TSV5	8,388	3	0	3	123	8,923	3	0	3	132	9,369	3	0	3	134							
TSV	8,395	3	0	3	123	8,929	3	0	3	132	9,376	3	0	3	134							
TSM	8,573	3	0	3	122	9,246	3	0	3	132	9,553	3	0	3	134							
TSW	8,517	3	0	3	122	9,175	3	0	3	131	9,291	3	0	3	133							
B/C	6,976	1	0	1	97	7,293	1	0	1	104	7,386	1	0	1	106							
LED	5,038	1	0	1	72	5,427	1	0	1	78	5,496	1	0	1	79							
KCO	5,038	1	0	1	72	5,427	1	0	1	78	5,496	1	0	1	79							
T15	11,663	2	0	2	114	12,562	3	0	3	123	12,221	3	0	3	125							
T25	11,648	2	0	2	114	12,548	3	0	3	123	12,207	3	0	3	125							
T30	11,708	2	0	2	115	12,613	2	0	2	124	12,273	2	0	2	125							
T35	11,339	2	0	2	112	12,255	3	0	3	120	12,339	3	0	3	121							
T38	11,680	2	0	2	115	12,582	2	0	2	123	12,242	2	0	2	125							
T48	11,488	2	0	2	112	12,289	2	0	2	121	12,465	2	0	2	122							
FT38	11,673	2	0	2	114	12,575	2	0	2	123	12,274	2	0	2	125							
TSV5	12,140	3	0	3	119	13,078	3	0	3	128	13,244	3	0	3	130							
TSV	12,144	4	0	4	119	13,089	3	0	3	128	13,254	3	0	3	130							
TSM	12,119	4	0	4	119	13,056	4	0	4	128	13,221	4	0	4	130							
TSW	12,040	4	0	4	118	12,970	4	0	4	127	13,134	4	0	4	130							
B/C	9,576	1	0	1	96	10,130	1	0	1	101	10,460	1	0	1	102							
LED	7,121	1	0	1	70	7,671	1	0	1	75	7,748	1	0	1	76							
KCO	7,121	1	0	1	70	7,671	1	0	1	75	7,748	1	0	1	76							
T15	14,635	2	0	2	107	14,473	3	0	3	116	14,607	3	0	3	117							
T25	13,423	3	0	3	107	14,458	3	0	3	116	14,461	3	0	3	117							
T30	14,680	2	0	2	104	15,532	3	0	3	116	14,716	3	0	3	118							
T35	13,054	3	0	3	105	14,074	3	0	3	113	14,252	3	0	3	114							
T38	13,457	2	0	2	108	14,607	2	0	2	116	14,601	2	0	2	117							
T48	13,165	2	0	2	107	14,532	3	0	3	113	14,582	2	0	2	115							
FT38	13,449	2	0	2	108	14,408	2	0	2	116	14,622	2	0	2	117							
TSV5	13,987	4	0	4	112	15,068	4	0	4	121	15,259	4	0	4	122							
TSV	13,999	3	0	3	112	15,080	3	0	3	121	15,271	3	0	3	122							
TSM	13,963	4	0	4	112	15,042	4	0	4	120	15,233	4	0	4	122							
TSW	13,027	4	0	4	111	14,944	4	0	4	120	15,133	4	0	4	121							
B/C	11,027	1	0	1	88	11,279	1	0	1	95	12,029	1	0	1	96							
LED	8,295	1	0	1	66	8,839	1	0	1	71	8,951	1	0	1	72							
KCO	8,295	1	0	1	66	8,839	1	0	1	71	8,951	1	0	1	72							
T15	14,679	3	0	3	106	15,814	3	0	3	115	16,014	3	0	3	116							
T25	14,664	3	0	3	106	15,797	3	0	3	114	15,997	3	0	3	116							
T30	14,779	3	0	3	107	16,038	3	0	3	115	16,079	3	0	3	117							
T35	14,274	3	0	3	103	15,377	3	0	3	111	15,522	3	0	3	113							
T38	14,706	2	0	2	105	15,888	3	0	3	112	15,988	3	0	3	114							
T48	14,304	3	0	3	104	15,496	3	0	3	112	15,692	3	0	3	113							
FT38	14,695	2	0	2	106	15,830	3	0	3	115	16,030	3	0	3	116							
TSV5	15,881	4	0	4	114	16,464	4	0	4	119	16,652	4	0	4	121							
TSV	15,295	3	0	3	111	16,477	4	0	4	119	16,646	4	0	4	121							
TSM	15,257	4	0	4	111	16,455	4	0	4	119	16,644	4	0	4	121							
TSW	15,157	4	0	4	110	16,338	4	0	4	118	16,534	4	0	4	120							
B/C	12,048	1	0	1	87	12,979	1	0	1	94	13,143	1	0	1	95							
LED	8,965	1	0	1	65	9,657	1	0	1	70	9,786	1	0	1	71							
KCO	8,965	1	0	1	65	9,657	1	0	1	70	9,786	1	0	1	71							

### Performance Data

**Lumen Output**  
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts Contact factory for performance data on any configurations not shown here.

LED Count	Drive Current	Power Package	System Watts	Bac. Type	10V (100% FC)						5V (50% FC)						0V (0% FC)					
					Lumens		lm/W		lm/W		Lumens		lm/W		Lumens		lm/W		Lumens		lm/W	
					l	ft	lm	ft	lm	ft	lm	ft	lm	ft	lm	ft	lm	ft	lm	ft	lm	ft
40	1250	P6	10W	S/W	T15	17,654	3	0	3	108	19,078	3	0	3	117	19,279	3	0	3	118		
					T25	17,450	2	0	2	119	4,949	2	0	2	129	18,908	3	0	3	119		
					T30	17,726	3	0	3	109	19,096	3	0	3	117	19,317	3	0	3	119		
					T35	17,897	3	0	3	105	18,493	3	0	3	115	18,707	3	0	3	118		
					T38	17,883	3	0	3	108	18,969	3	0	3	117	19,200	3	0	3	118		</





Building a Better World for All of Us

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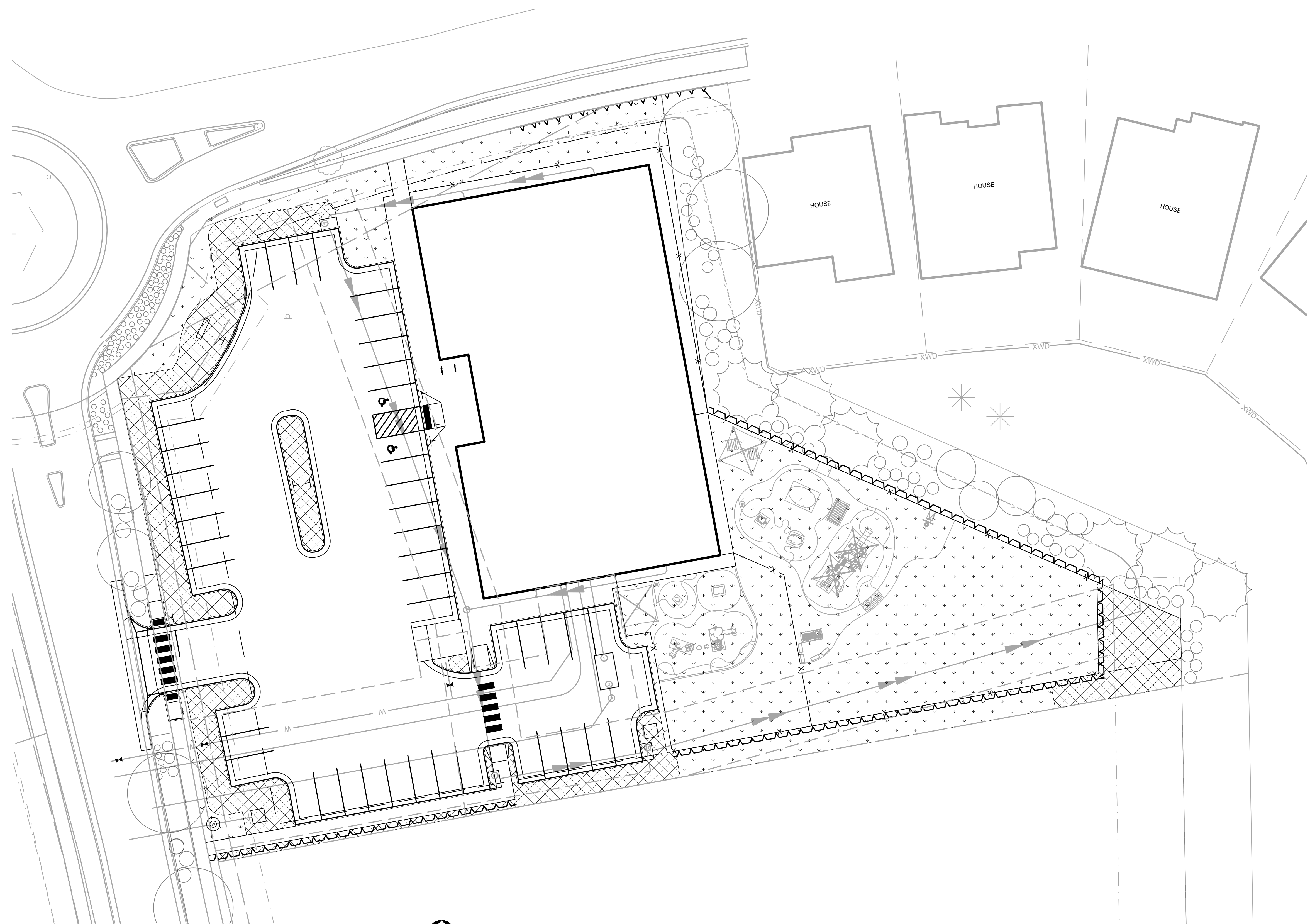
SEH Project: MHOAC 150217  
 Checked By: KW  
 Drawn By: VT

Project Status: Issue Date:

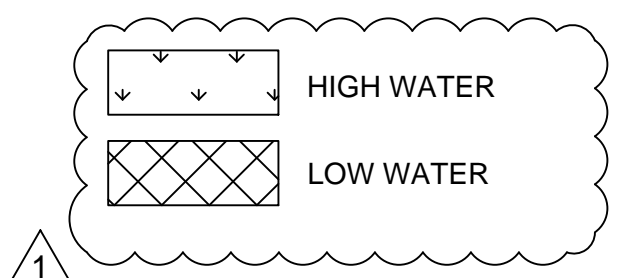
Rev. #	Description	Date
1	City Comments	01/15/2021

IRRIGATION DIAGRAM

L1.02



1 IRRIGATION DIAGRAM  
 SCALE: 1" = 20'-0"  
 0' 10' 20' 40' 80'



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MONUMENT SIGN WITH RAISED METAL LETTERS, MIN. 8" HT. FOR "NEW HORIZON" AND MIN. 4" HT. FOR "ACADEMY". (CONTRACTOR TO SUPPLY SHOP DRAWING OF LAYOUT AND AS APPROVED BY THE ENGINEER)



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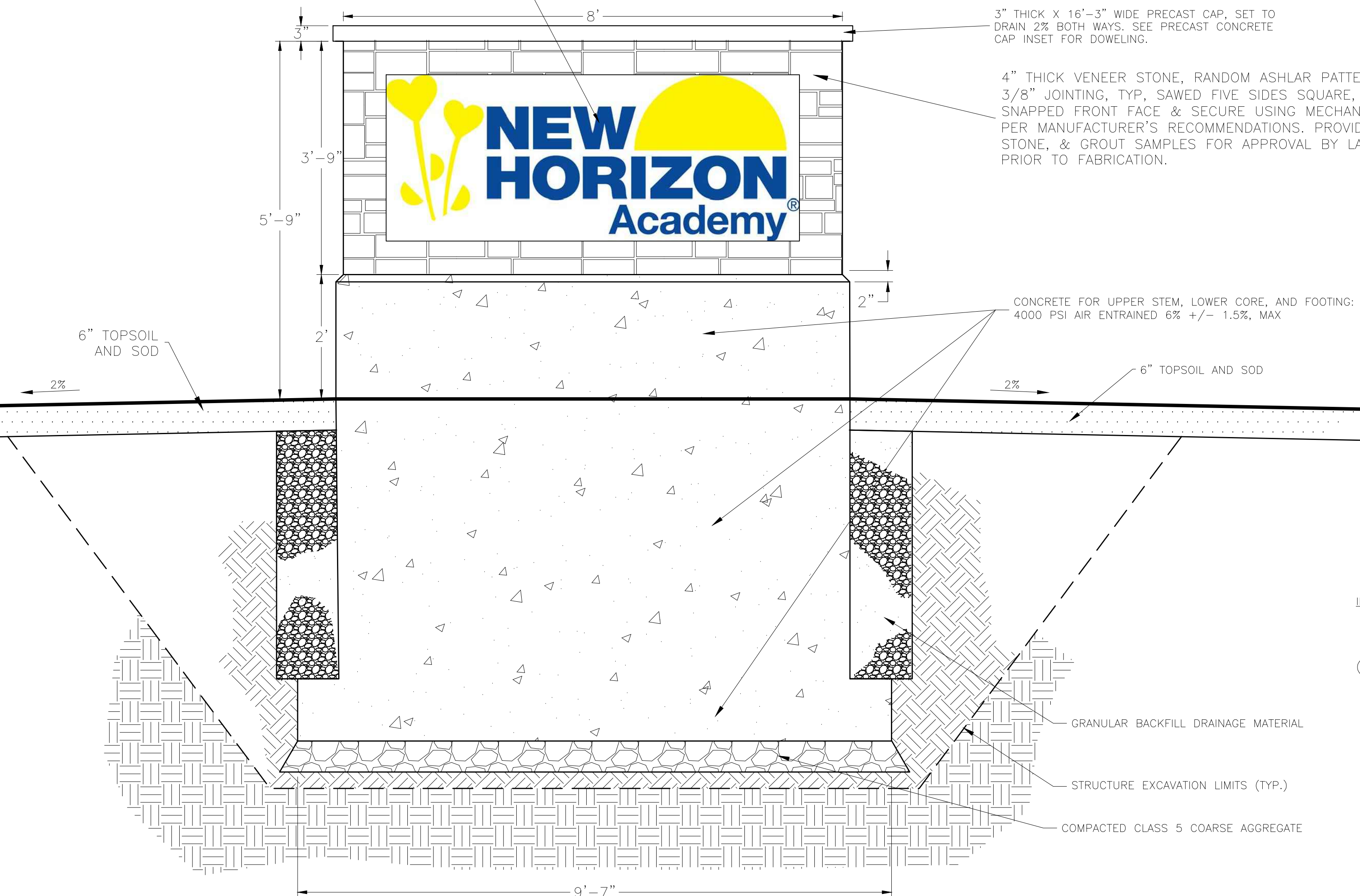
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Checked By: KW  
Drawn By: VT

Project Status: Issue Date:

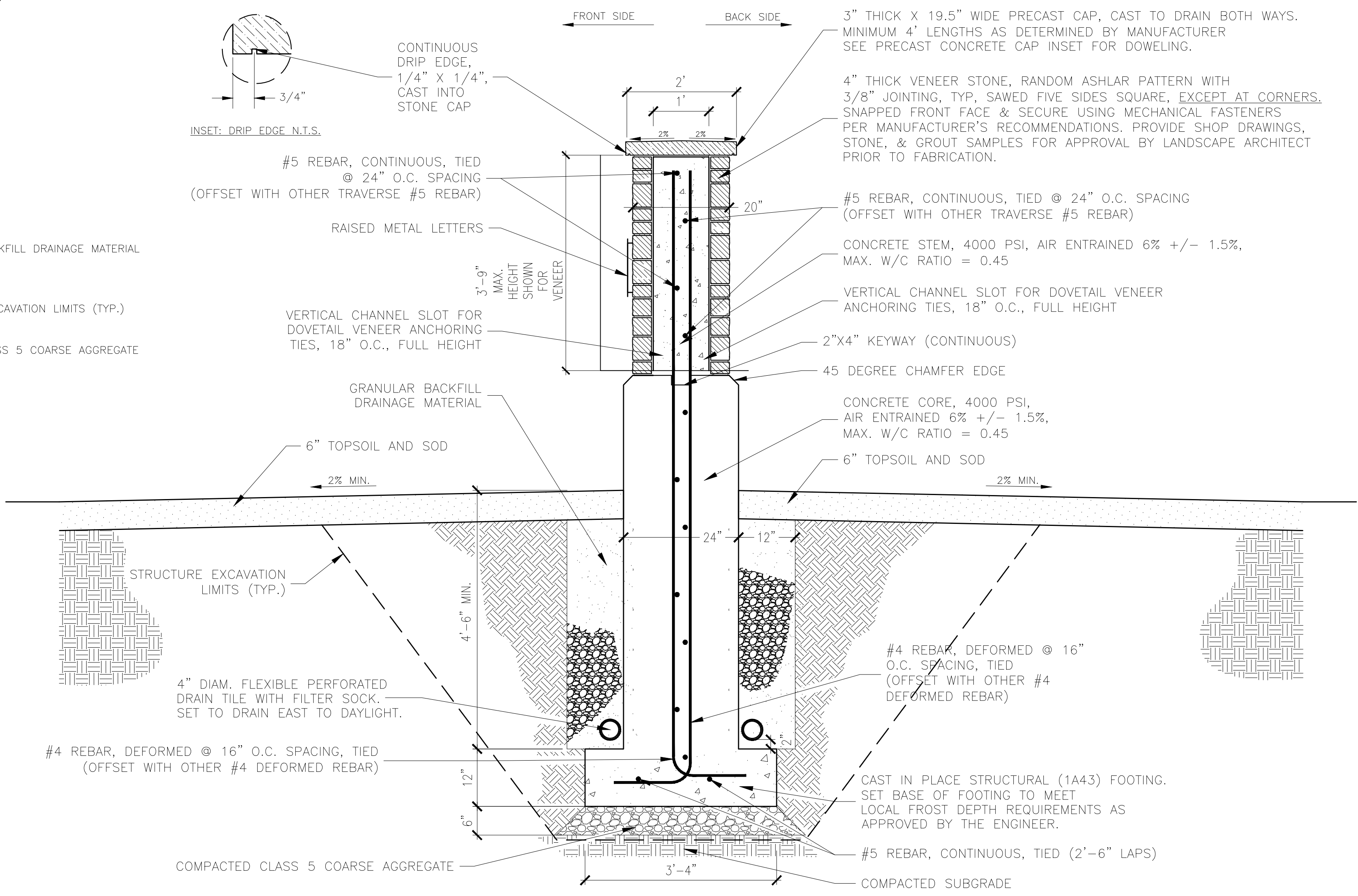
Revision Issue  
Rev. # Description Date  
1 City Comments 01/15/2021

SIGN DETAILS

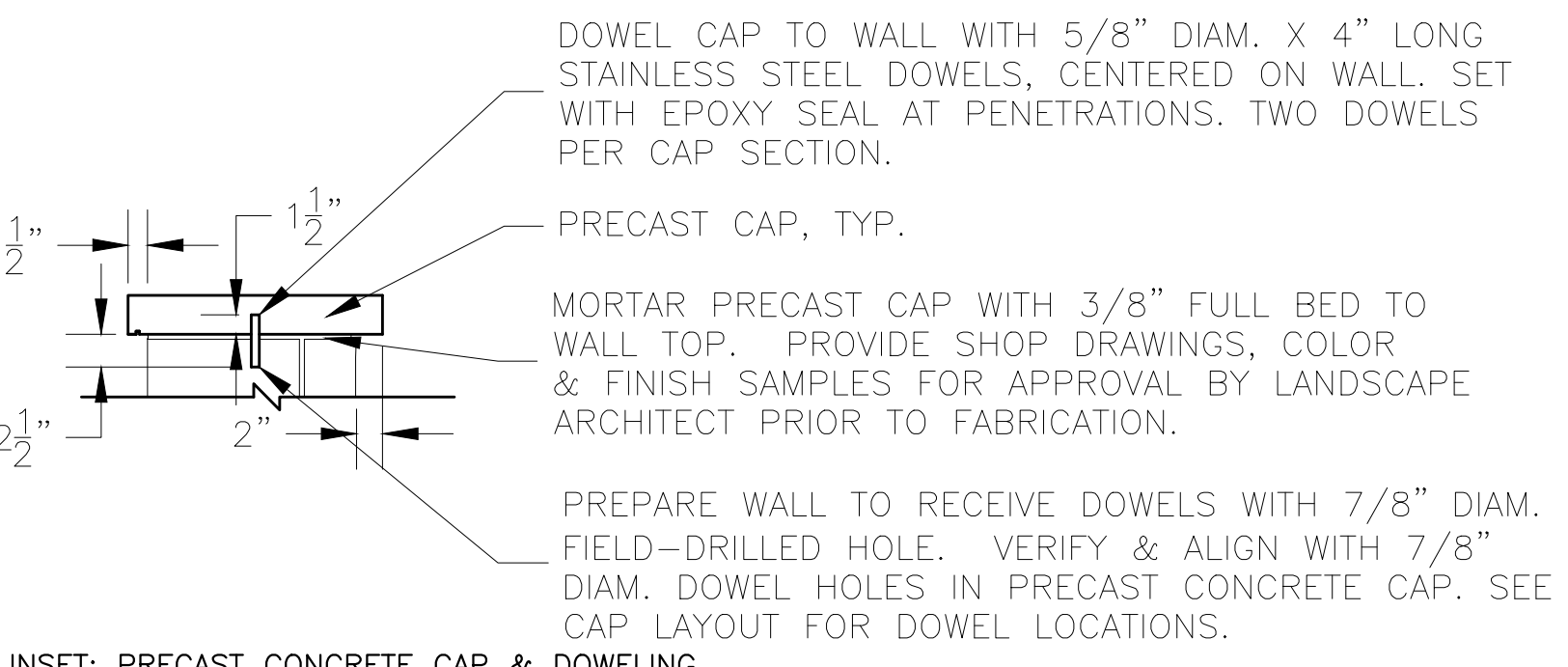
L1.04



1 SIGN ELEVATION  
NOT TO SCALE



3 SIGN SECTION  
NOT TO SCALE



2 PRECAST CONCRETE CAP DETAIL  
NOT TO SCALE

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# NEW HORIZON ACADEMY





