



Building a Better World for All of Us®

NOT FOR CONSTRUCTION

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

This drawing is an instrument of service... SEH Project Checked By: AMP... Project Status: TOWN REVIEW... Issue Date: 8/26/2020

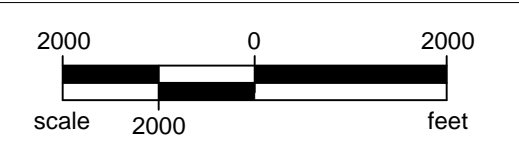
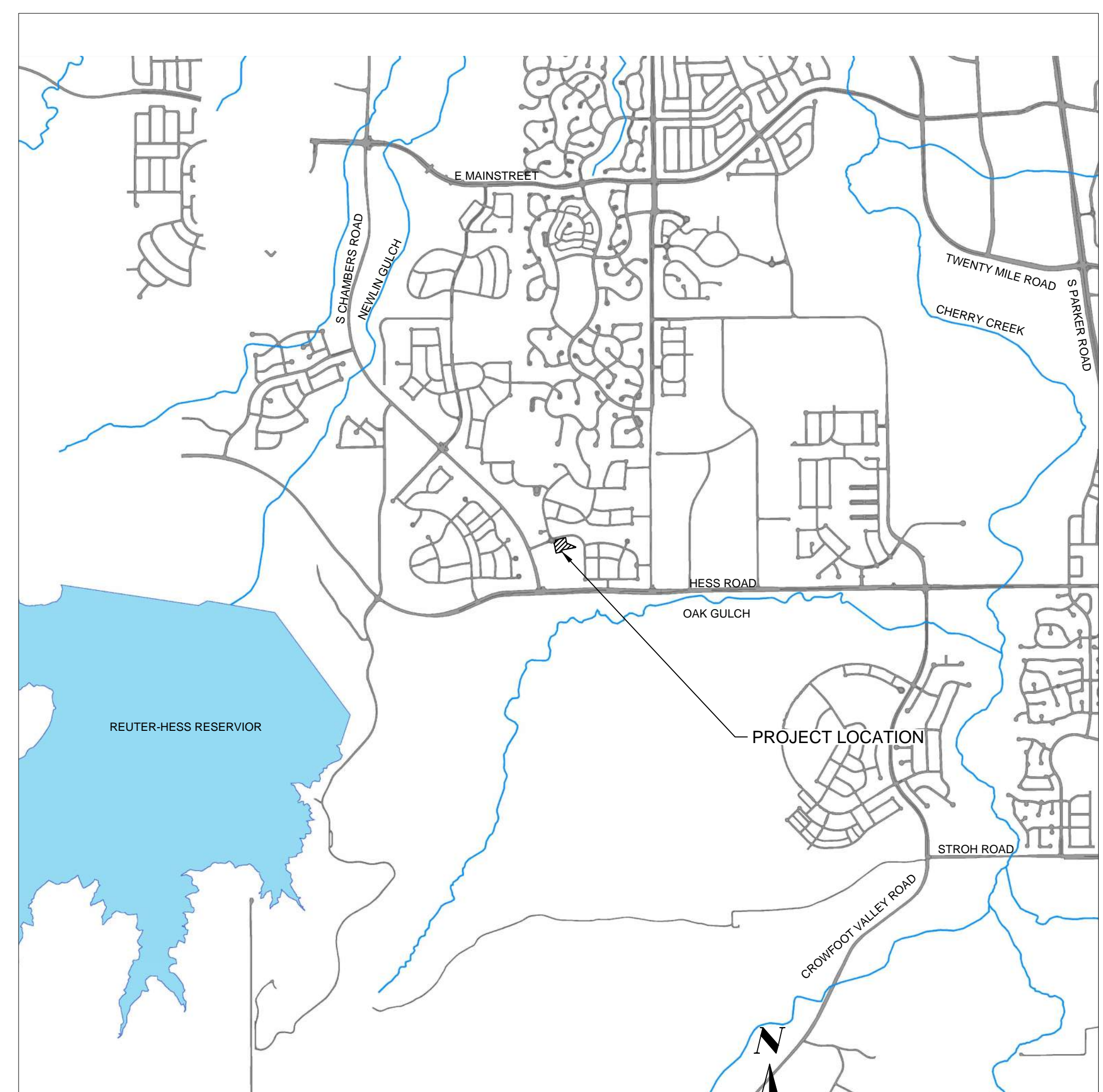
COVER SHEET

C0.0

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 1.518 ACRES

CIVIL CONSTRUCTION PLANS FOR NEW HORIZON ACADEMY



2

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 RETAINING WALL PROFILES, C1.6 CIVIL DETAILS, C2.0 GRADING PLAN, C3.0 INITIAL CBMP PLAN, C3.1 INTERIM-FINAL CBMP PLAN, C3.2 - C3.10 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

- 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.

CONTACT LIST: PARKER PUBLIC WORKS, 20120 E MAINSTREET, PARKER, CO 80138. STREETS - MIKE WAUGH, STORM WATER - JACOB JAMES. 303-840-9546

TOWN OF PARKER POLICE DEPARTMENT, 196000 E PARKER SQUARE DR., PARKER, CO 80134. 303-841-9800

PARKER WATER AND SANITATION DISTRICT, 18100 E. WOODMAN DR., PARKER, CO 80134. 303-841-4627

FIRE & LIFE SAFETY: RANDALL CAPRA, 20120 E. MAINSTREET, CENTENNIAL, CO 80138. 303-205-3169

UTILITY NOTIFICATION COMPANY OF COLORADO, 2801 S. YOUNGFIELD ST. SUITE 301, GOLDEN, CO 80401. LOCAL CALLS (811)

XCEL ENERGY: MICHELLE ONAN, 5909 E. 38TH AVE., DENVER, CO 80207. 303-329-1618

COMCAST: KEVIN YOUNG, 6859 S. TUCSON WAY, ENGLEWOOD, CO 80112. 720-490-3867

CENTURY LINK: WILLIAM BENSON, 9750 E. COSTILLA AVE., ENGLEWOOD, CO 80220. 303-792-6069

COLORADO DEPARTMENT OF HEALTH, 4210 E. 11TH AVE., DENVER, CO. 303-320-8333

INTERMOUNTAIN RURAL ELECTRIC ASSOCIATION: JASON JENKS, 5496 NORTH US HWY 85, P.O. BOX DRAWER A, SEDALIA, CO 80135. 303-688-3100

MILE HIGH FLOOD DISTRICT (MHFD): MIKE SARMENTO, 2480 W 26TH AVE. SUITE 156-B, DENVER, CO 80211. 303-455-6277

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.

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

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

TOWN OF PARKER, DIRECTOR OF ENGINEERING/PUBLIC WORKS DATE

Save: 3/20/2021 10:13 AM I:\Engineering\Proj: 3/23/2021 8:48 AM X:\KON\NHOAC\1562175-final-dsgn\51-drawings\10-Civil\cad\dwg\sheet\Site Plans\CO_NHOAC156217_CivilTitle.dwg



Building a Better World for All of Us®

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.

Save: 3/23/2021 8:36 AM X:\KONN\NHOAC\156217\Final\dsgh151-drawings\10-Civil\cdwg\sheet\Site Plans\CO_NHOAC\156217_General Notes.dwg

Owner
New Horizon Academy
3405 Annapolis Lane
N, Suite 100
Plymouth, MN 55447
763.557.1111
Architect
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800
Landscape Architect
Short Elliot Hendrickson, Inc.
Suite 300
Minnetonka, MN 55343
952.912.2600
Civil Engineer
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800
Structural Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000
Mechanical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000
Electrical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

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

This drawing is an instrument of service and shall remain the property of Short Elliot Hendrickson, Inc. (SEH). This drawing and the concepts and ideas contained herein shall not be used, reproduced, revised, or retained without the express written approval of SEH.

SEH Project NHOAC 156217
Checked By DEH
Drawn By AMP

Project Status Issue Date
TOWN REVIEW 8/26/2020
TOWN REVIEW 1/22/2021
TOWN REVIEW 3/22/2021

Revision Issue
Rev. # Description Date
1 TOWN COMMENTS 1/22/21
2 TOWN COMMENTS 3/22/21

GENERAL NOTES

C0.1



Building a Better World for All of Us®

NOT FOR CONSTRUCTION

Owner
New Horizon Academy
3405 Annapolis Lane
N., Suite 100
Flynnville, MN 55447
763.557.1111

Architect
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Landscape Architect
Short Elliott Hendrickson, Inc.
10901 Red Circle Drive
Suite 300
Minnetonka, MN 55343
952.912.2800

Civil Engineer
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Structural Engineer
Short Elliott Hendrickson, Inc.
3535 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Mechanical Engineer
Short Elliott Hendrickson, Inc.
3535 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Electrical Engineer
Short Elliott Hendrickson, Inc.
3535 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

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

This drawing is an instrument of service and shall remain the property of Short Elliott Hendrickson, Inc. (SEH). This drawing and the concepts and ideas contained herein shall not be used, reproduced, revised, or retained without the express written approval of SEH.

Substitution or distribution of this drawing to most officials or regulatory requirements or for other purposes in connection with the project is not to be construed as modification to the original any of the rights of SEH.

COPYRIGHT © 2021
Short Elliott Hendrickson, Inc.
All Rights Reserved

SEH Project NHOAC 156217
Checked By DRH
Drawn By AMP

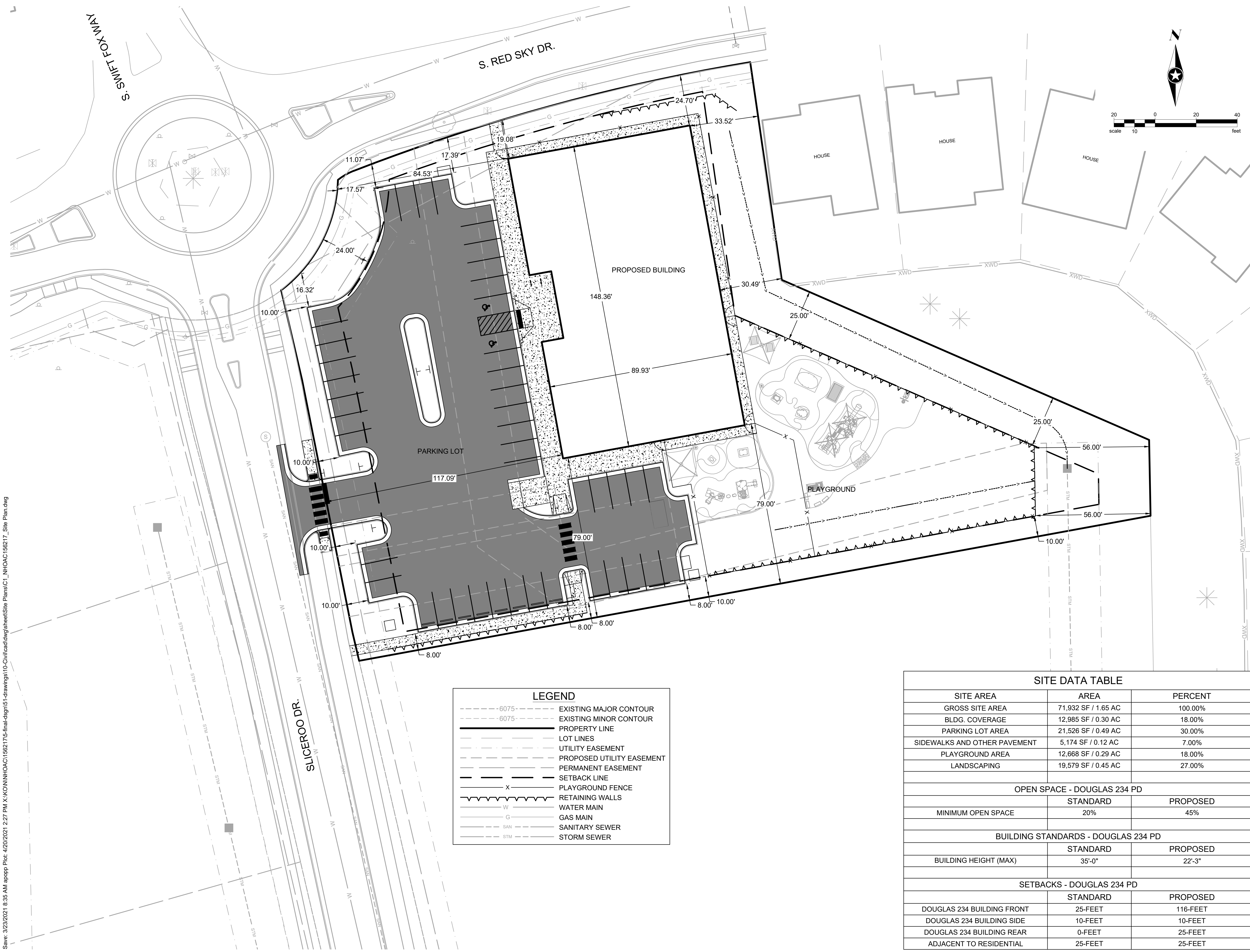
Project Status Issue Date
TOWN REVIEW 8/26/2020
TOWN REVIEW 1/22/2021
TOWN REVIEW 3/22/2021

Revision Issue
Rev. # Description Date
1 TOWN COMMENTS 1/22/21
2 TOWN COMMENTS 3/22/21

OVERALL SITE

2

C1.1



LEGEND

- - - - -6075- - - - - EXISTING MAJOR CONTOUR
- - - - -6075- - - - - EXISTING MINOR CONTOUR
- PROPERTY LINE
- LOT LINES
- UTILITY EASEMENT
- PROPOSED UTILITY EASEMENT
- PERMANENT EASEMENT
- SETBACK LINE
- x ————— PLAYGROUND FENCE
- RETAINING WALLS
- 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

Save: 3/23/2021 8:35 AM appop Plot: 4/20/2021 2:27 PM X:\KONNINHOAC\156217\5-final-dgn\51-drawings\10-Civil\dwg\sheet\Site Plans\C1_NHOAC\156217_Site Plan.dwg

**NOT FOR
CONSTRUCTION**

Owner
New Horizon Academy
3405 Annapolis Lane
N., Suite 100
Plymouth, MN 55447
763.557.1111

Architect
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Landscape Architect
Short Elliot Hendrickson, Inc.
10901 Red Circle Drive
Suite 300
Minnetonka, MN 55343
952.912.2800

Civil Engineer
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Structural Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Mechanical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Electrical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

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

This drawing is an instrument of service and shall remain the property of Short Elliot Hendrickson, Inc. (SEH). This drawing and the concepts and ideas contained herein shall not be used, reproduced, revised, or retained without the express written approval of SEH.

Substitution or modification of this drawing to meet official or regulatory requirements or for other purposes in connection with the project is not to be construed as modification to the original scope of the rights of SEH.

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

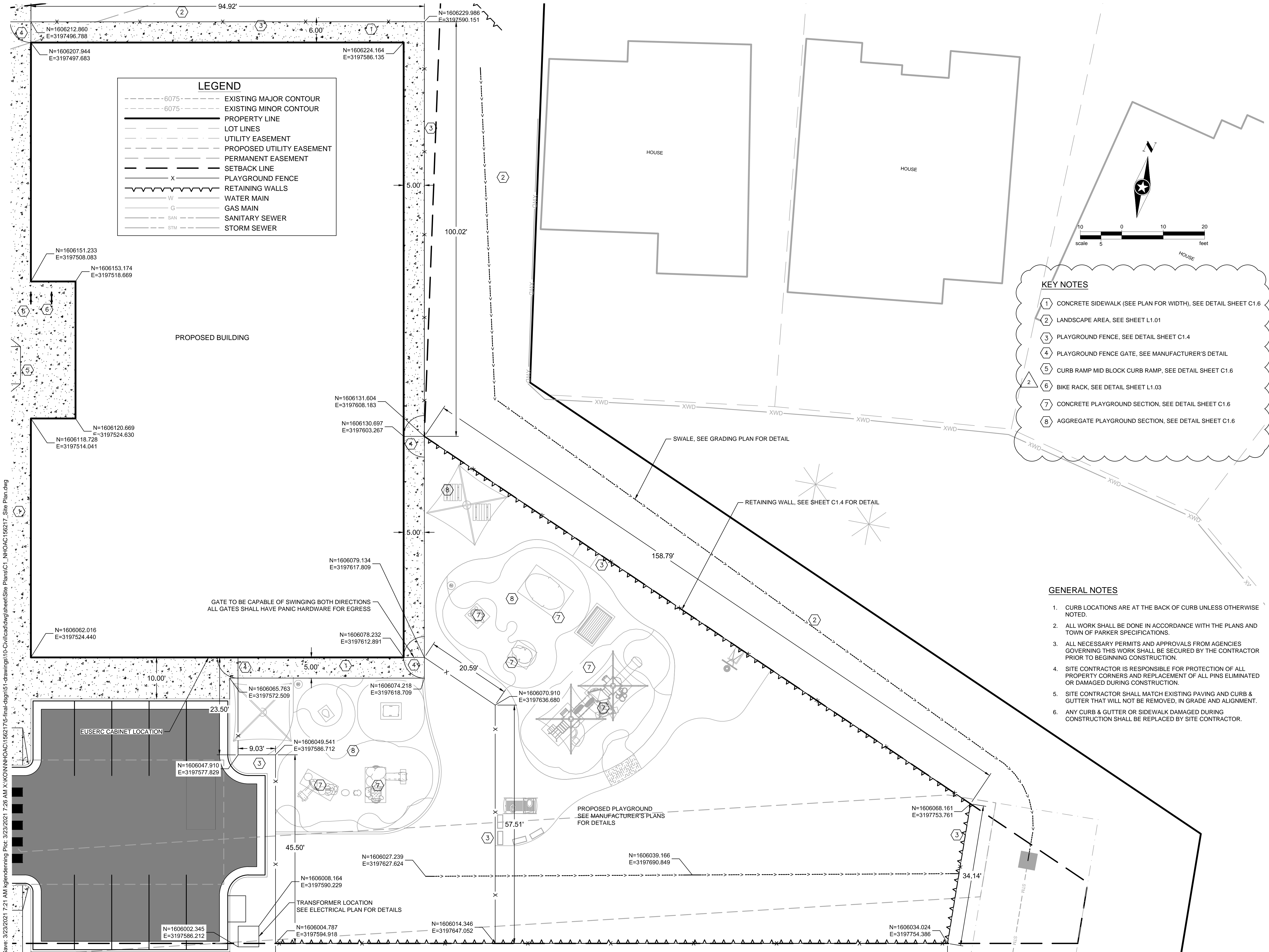
Project Status	Issue Date
TOWN REVIEW	8/26/2020
TOWN REVIEW	1/22/2021
TOWN REVIEW	3/22/2021

Rev. #	Description	Date
1	TOWN COMMENTS	1/22/21
2	TOWN COMMENTS	3/22/21

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
- X ————— PLAYGROUND FENCE
- RETAINING WALLS
- 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 L1.01
- 3 PLAYGROUND FENCE, SEE DETAIL SHEET C1.4
- 4 PLAYGROUND FENCE GATE, SEE MANUFACTURER'S DETAIL
- 5 CURB RAMP MID BLOCK CURB RAMP, SEE DETAIL SHEET C1.6
- 6 BIKE RACK, SEE DETAIL SHEET L1.03
- 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.

Save: 3/23/2021 7:21 AM kglendinning Plot: 3/23/2021 7:26 AM X:\KON\NHOAC\156217\Final\design\15-final\design\15-drawings\10-civil\cad\dwg\sheet\Site Plans\C1_NHOAC\156217_Site Plan.dwg



Building a Better World for All of Us®

NOT FOR CONSTRUCTION

Owner
New Horizon Academy
3405 Annapolis Lane
N, Suite 100
Plymouth, MN 55447
763.557.1111

Architect
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Landscaping Architect
Short Elliott Hendrickson, Inc.
10900 Red Circle Drive
Suite 300
Minnetonka, MN 55343
952.912.2600

Civil Engineer
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Structural Engineer
Short Elliott Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Mechanical Engineer
Short Elliott Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Electrical Engineer
Short Elliott Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

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

This drawing is an instrument of service and shall remain the property of Short Elliott Hendrickson, Inc. (SEH). This drawing and the concepts and ideas contained herein shall not be used, reproduced, revised, or retained without the express written approval of SEH.

SEH shall not be responsible for any errors or omissions in this drawing or for any consequences that may result from its use. SEH shall not be responsible for any consequences that may result from its use.

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

Project Status: TOWN REVIEW
Issue Date: 8/26/2020
TOWN REVIEW: 1/22/2021
TOWN REVIEW: 3/22/2021

Revision Issue
Rev. # Description Date
1 TOWN COMMENTS 1/22/21
2 TOWN COMMENTS 3/22/21

PARKING LOT SITE LAYOUT

C1.3

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 C1.4
- 4 PLAYGROUND FENCE GATE, SEE MANUFACTURER'S DETAIL
- 5 CURB RAMP MID BLOCK CURB RAMP, SEE DETAIL SHEET C1.6
- 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 C1.6
- 12 VERTICAL CURB AND GUTTER SECTION (SPILL), SEE DETAIL SHEET C1.6
- 13 DIRECTIONAL CURB RAMP WITHIN RADIUS, SEE DETAIL SHEET C1.6
- 14 PEDESTRIAN CURB RAMP FOR SIDEWALK OR TRAIL, SEE DETAIL SHEET C1.6

CONNECT TO EXISTING SIDEWALK

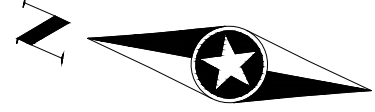
POINT #	NORTHING	EASTING	RADIUS
1	1606004.909	3197526.268	4.5'
2	1605989.988	3197446.653	4.5'
3	1606027.163	3197433.881	4.5'
4	1606060.532	3197427.345	4.5'
5	1606157.222	3197406.08	4.5'
6	1606199.903	3197344.409	94.5'
7	1606190.568	3197476.979	4.5'
8	1606176.196	3197415.564	26.5'
9	1606083.346	3197460.281	4.5'
10	1606083.483	3197461.027	4.5'
11	1606126.604	3197453.119	0.75'
12	1606126.224	3197451.049	0.75'
13	1606017.400	3197408.364	9.5'
14	1606060.700	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	1606054.090	3197517.256	19.50'
24	1606038.214	3197505.934	0.50' (FOC)

Save: 3/23/2021 8:21 AM kglendenning Plot: 3/23/2021 8:22 AM X:\KONNINHOAC\156217\5-final\design\51-drawings\10-Civil\cad\dwg\sheet\Site Plans\C1_NHOAC\156217_Site Plan.dwg

LEGEND

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

PROPOSED BUILDING

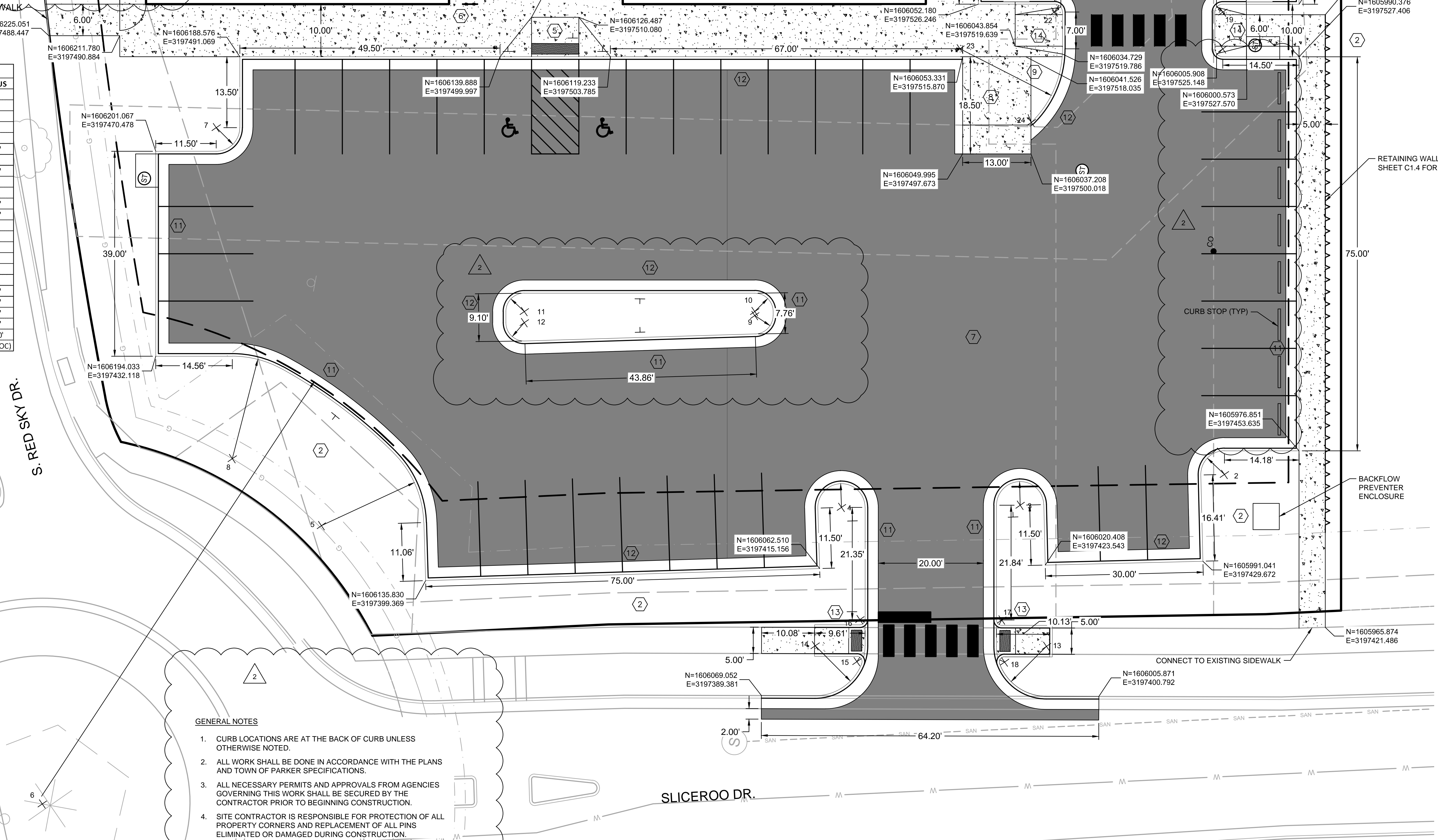


S. RED SKY DR.

SLICEROO DR.

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.



RETAINING WALL, SEE SHEET C1.4 FOR DETAIL

BACKFLOW PREVENTER ENCLOSURE

CONNECT TO EXISTING SIDEWALK

**NOT FOR
CONSTRUCTION**

Owner
New Horizon Academy
3405 Annapolis Lane
N., Suite 100
Plymouth, MN 55447
763.557.1111

Architect
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Landscape Architect
Short Elliott Hendrickson, Inc.
10901 Red Circle Drive
Suite 300
Minnetonka, MN 55343
952.912.2800

Civil Engineer
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Structural Engineer
Short Elliott Hendrickson, Inc.
3535 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Mechanical Engineer
Short Elliott Hendrickson, Inc.
3535 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Electrical Engineer
Short Elliott Hendrickson, Inc.
3535 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

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

This drawing is an instrument of service and shall remain the property of Short Elliott Hendrickson, Inc. (SEH). This drawing and the concepts and ideas contained herein shall not be used, reproduced, revised, or retained without the express written approval of SEH.

Substitution or distribution of this drawing for most official or regulatory requirements or for other purposes in connection with the project is not to be construed as a modification in description of any of the rights of SEH.

SEH Project NHOC 156217
Checked By DJH
Drawn By AMP

Project Status Issue Date
TOWN REVIEW 8/26/2020
TOWN REVIEW 1/22/2021
TOWN REVIEW 3/22/2021

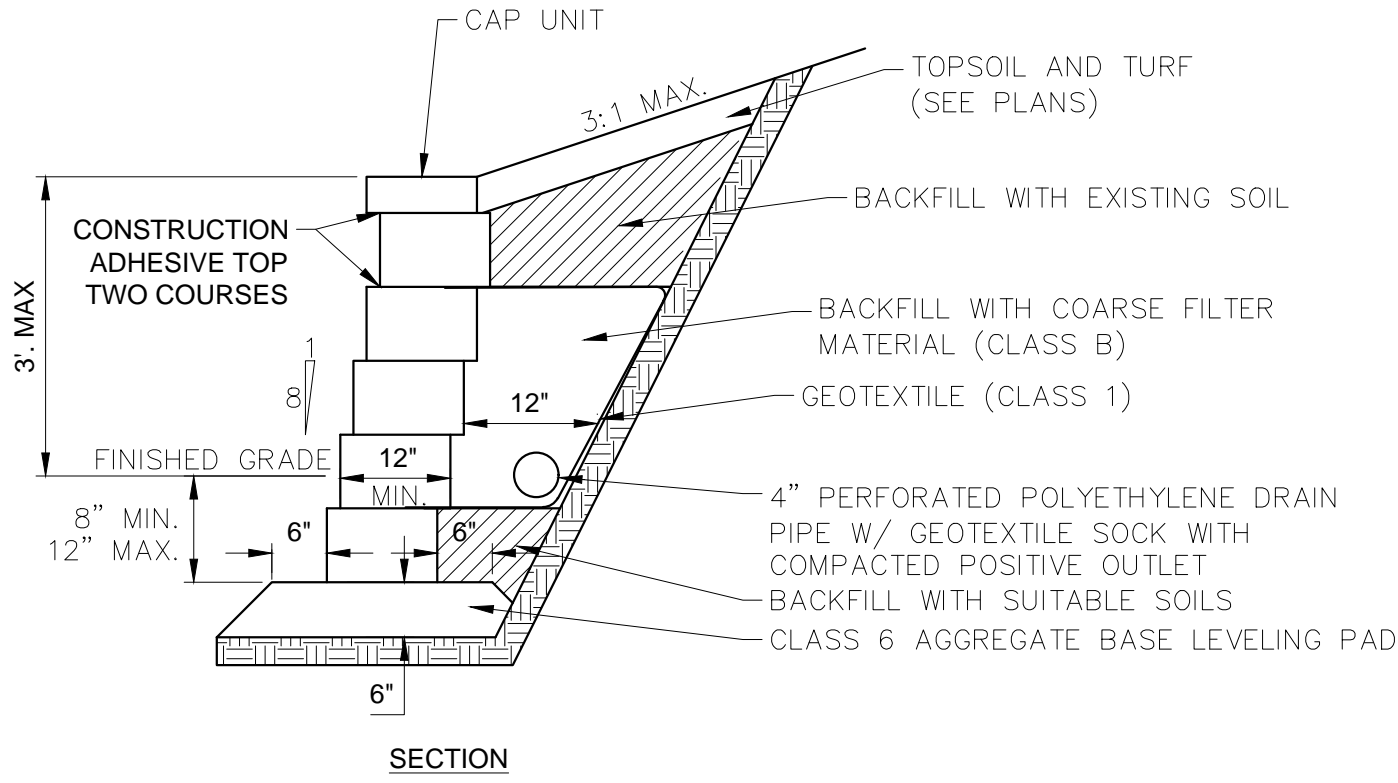
Revision Issue
Rev. # Description Date
1 TOWN COMMENTS 1/22/21
2 TOWN COMMENTS 3/22/21

RETAINING WALL PLAN

2

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.
 8. BASIS OF DESIGN IS ALLEN BLOCK CLASSIC IN TAN BLEND.



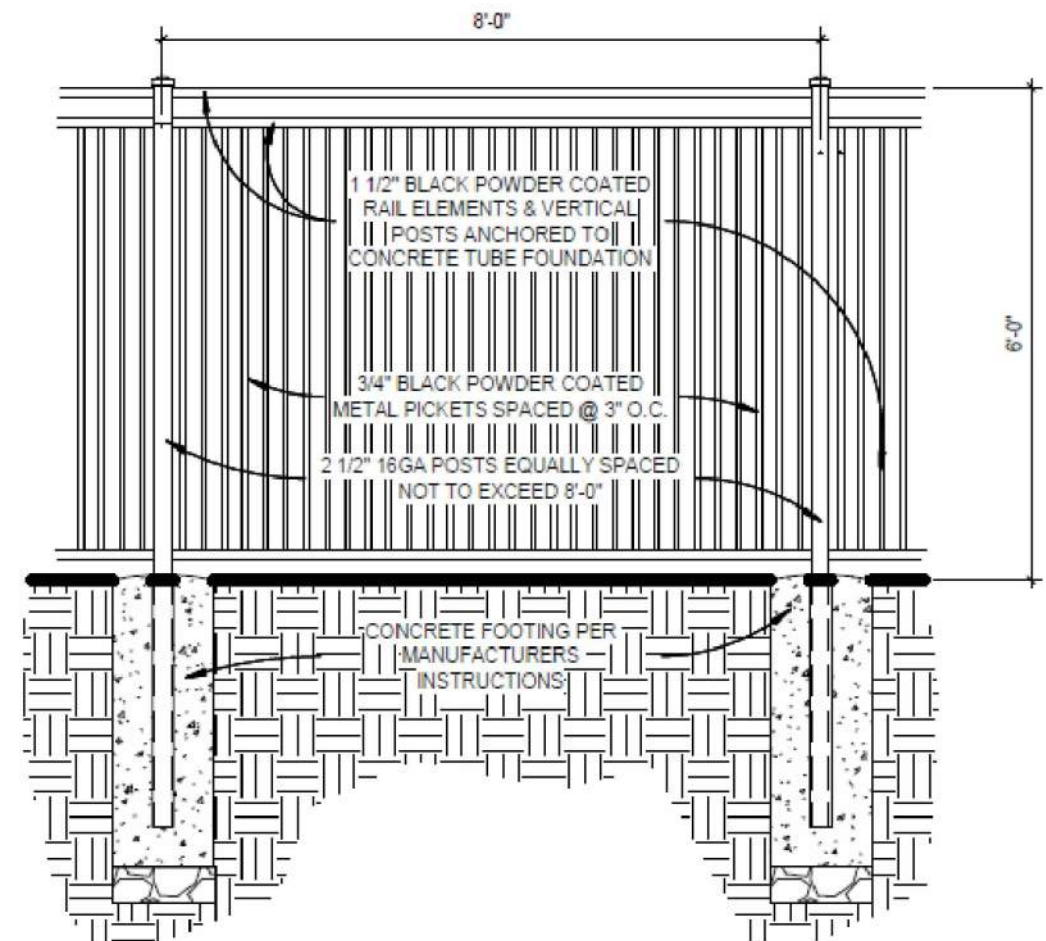
NTS

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

**RETAINING WALL DETAIL
GRAVITY WALL**

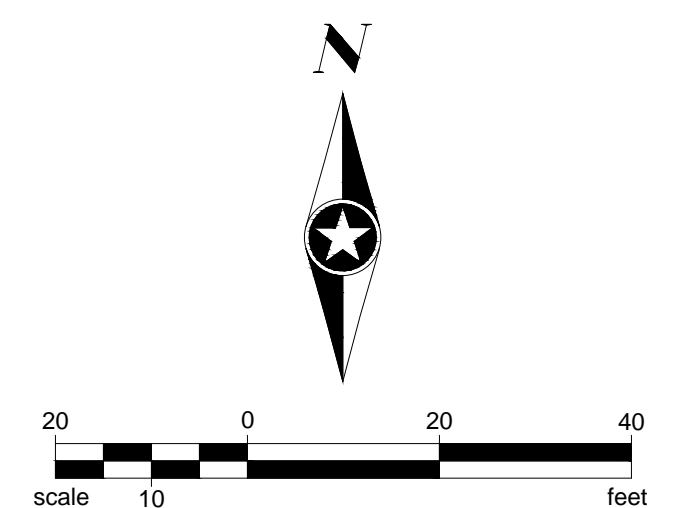
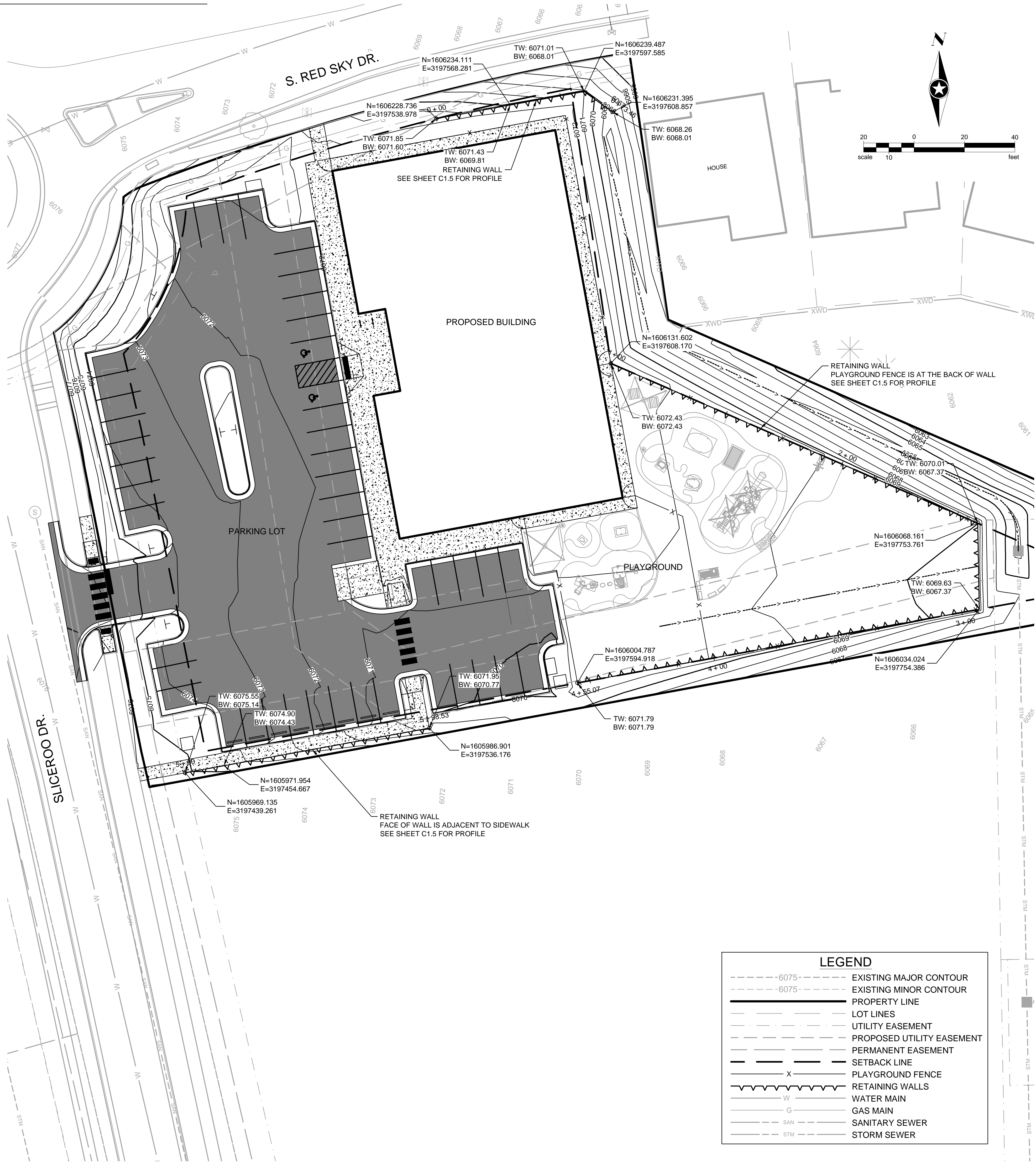


APPROXIMATE FINAL APPEARANCE OF WALL BLOCK.



PLAYGROUND FENCE DETAIL

1/2" = 1'-0"



LEGEND

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



Building a Better World for All of Us®

NOT FOR CONSTRUCTION

Owner
New Horizon Academy
3405 Annapolis Lane
N., Suite 100
Plymouth, MN 55447
763.557.1111

Architect
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

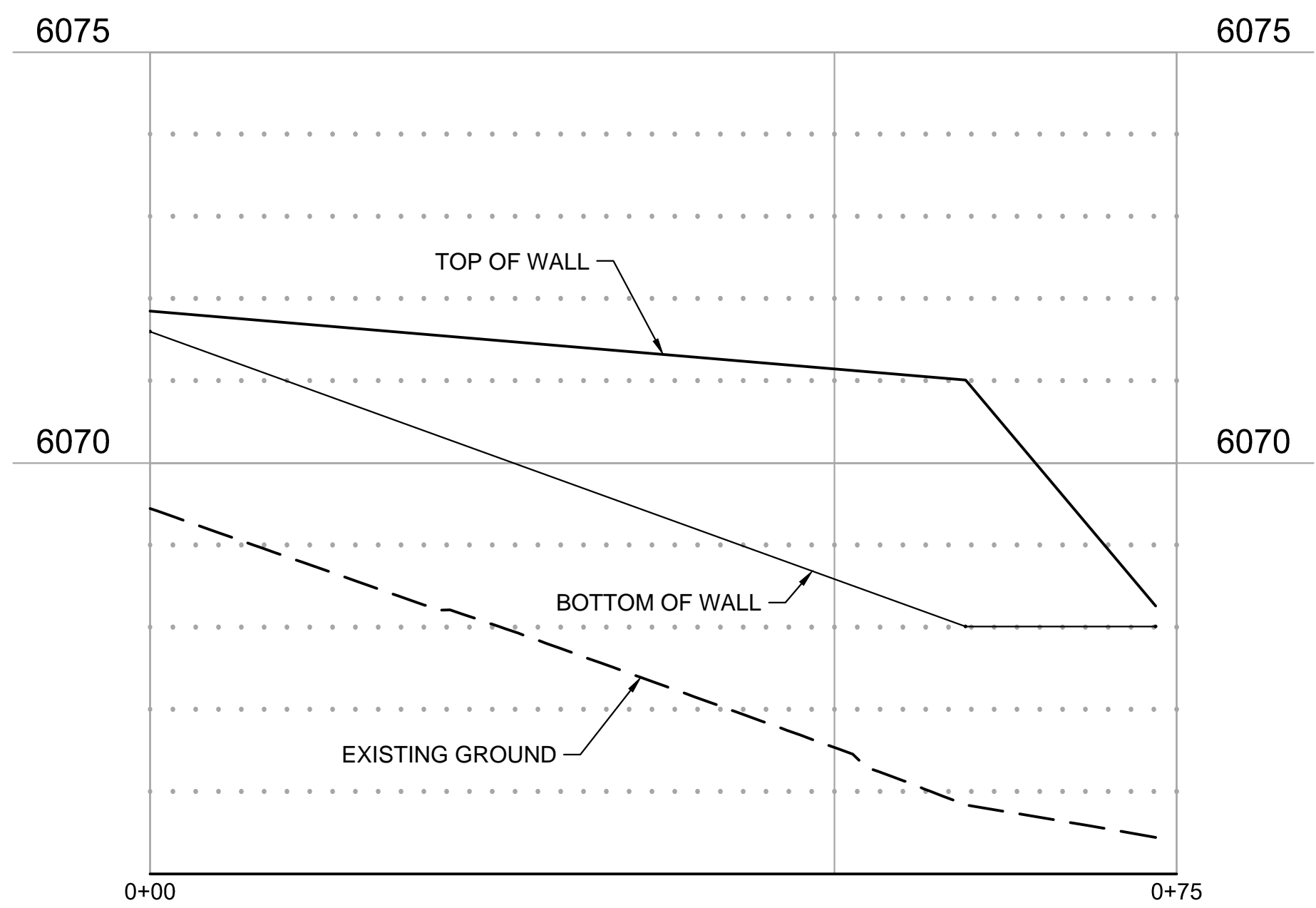
Landscape Architect
Short Elliott Hendrickson, Inc.
10901 Red Circle Drive
Suite 300
Minnetonka, MN 55343
952.912.2800

Civil Engineer
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

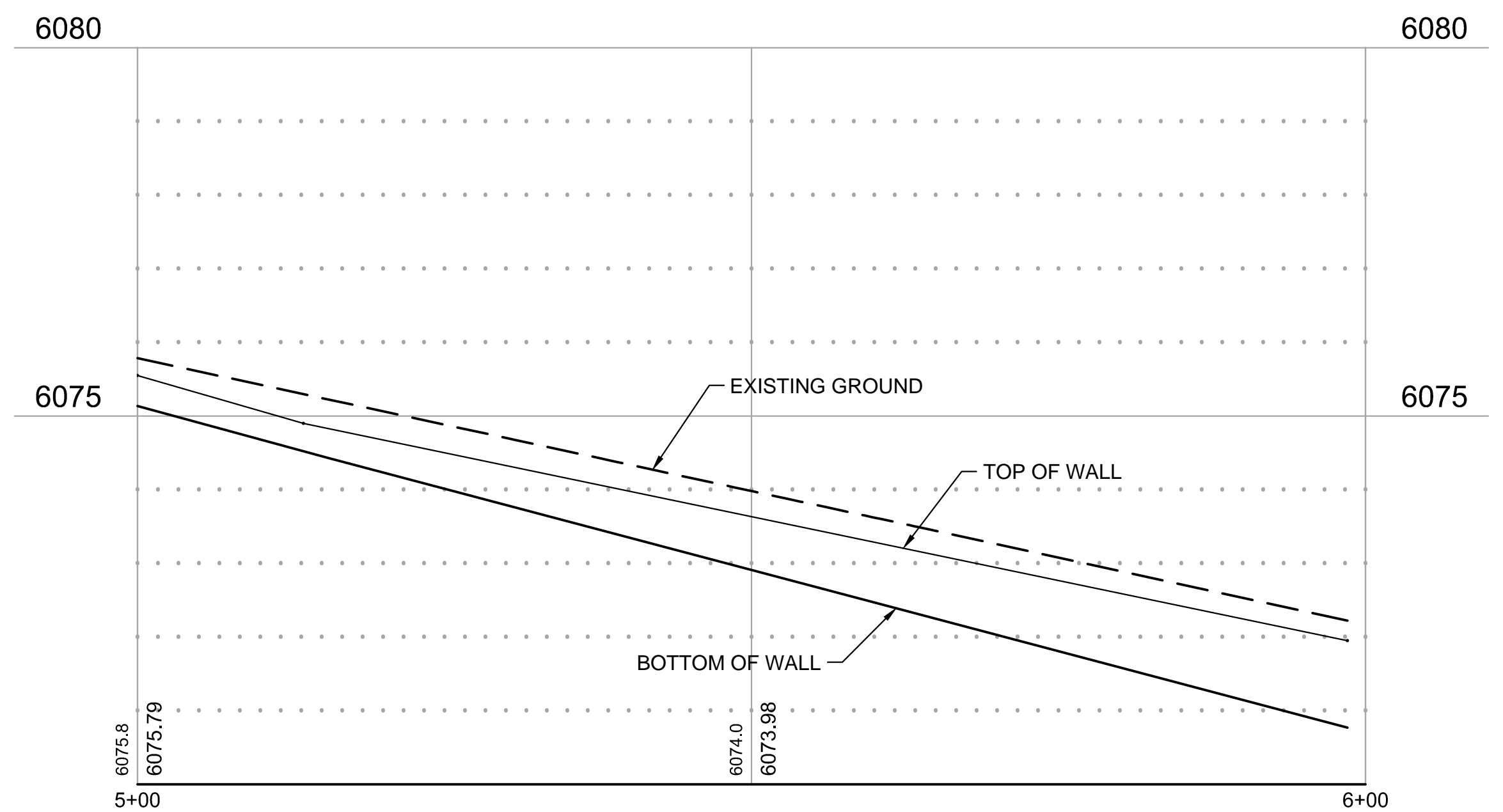
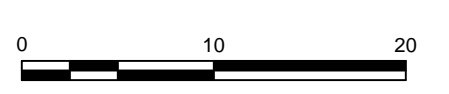
Structural Engineer
Short Elliott Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Mechanical Engineer
Short Elliott Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

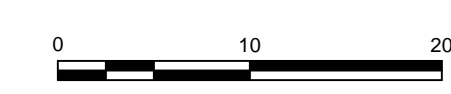
Electrical Engineer
Short Elliott Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000



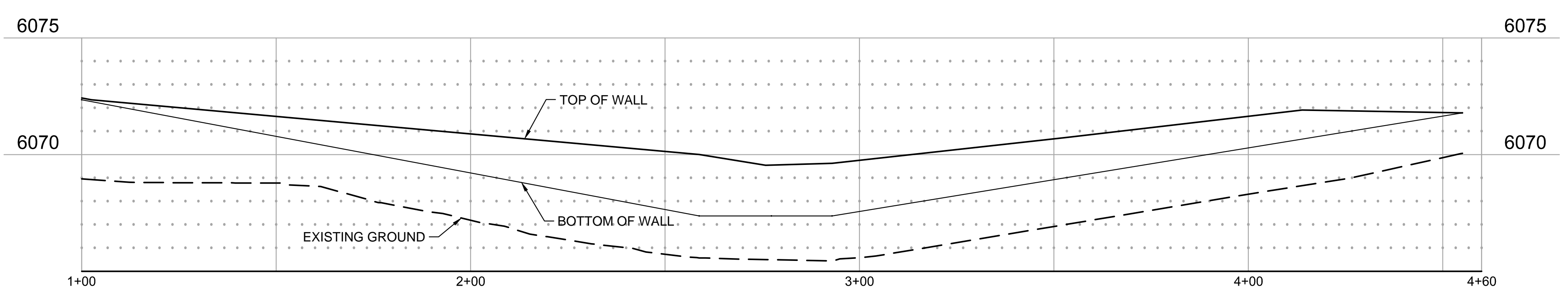
RETAINING WALL PROFILE
WALL ALONG NORTH SIDE OF BUILDING



RETAINING WALL PROFILE
WALL ALONG SOUTH SIDE OF PARKING LOT



NOTE:
RETAINING WALL PROFILES ARE SHOWN FOR
REFERENCE ONLY. ELEVATIONS SHOULD BE
DETERMINED FROM PLAN SHEETS.



RETAINING WALL PROFILE
WALL ALONG PLAYGROUND FENCE



Save: 3/23/2021 7:21 AM kglendinning Plot: 3/23/2021 7:27 AM X:\KONNINHOC\156217\5-final\design\1-drawings\10-civil\cadd\dwg\sheet\Site Plans\C1_NHOAC\156217_Site Plan.dwg

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

This drawing is an instrument of service and shall remain the property of Short Elliott Hendrickson, Inc. (SEH). This drawing and the concepts and ideas contained herein shall not be used, reproduced, copied, or retained without the express written approval of SEH.

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

Project Status: TOWN REVIEW Issue Date: 8/26/2020
TOWN REVIEW 1/22/2021
TOWN REVIEW 3/22/2021

Revision Issue
Rev. # Description Date
1 TOWN COMMENTS 1/22/21
2 TOWN COMMENTS 3/22/21

RETAINING WALL PROFILES

2

C1.5

NOT FOR
CONSTRUCTION

Owner
New Horizon Academy
3405 Annapolis Lane
N., Suite 100
Plymouth, MN 55447
763.557.1111

Architect
Short Ebbot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Landscape Architect
Short Ebbot Hendrickson, Inc.
Suite 300
Minnetonka, MN 55343
952.912.2800

Civil Engineer
Short Ebbot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Structural Engineer
Short Ebbot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Mechanical Engineer
Short Ebbot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Electrical Engineer
Short Ebbot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

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

This drawing is an instrument of service and shall remain the property of Short Ebbot Hendrickson, Inc. (SEH). This drawing and the concepts and ideas contained herein shall not be used, reproduced, revised, or retained without the express written approval of SEH.

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

Project Status: Issue Date
TOWN REVIEW: 8/26/2020
TOWN REVIEW: 1/22/2021
TOWN REVIEW: 3/22/2021

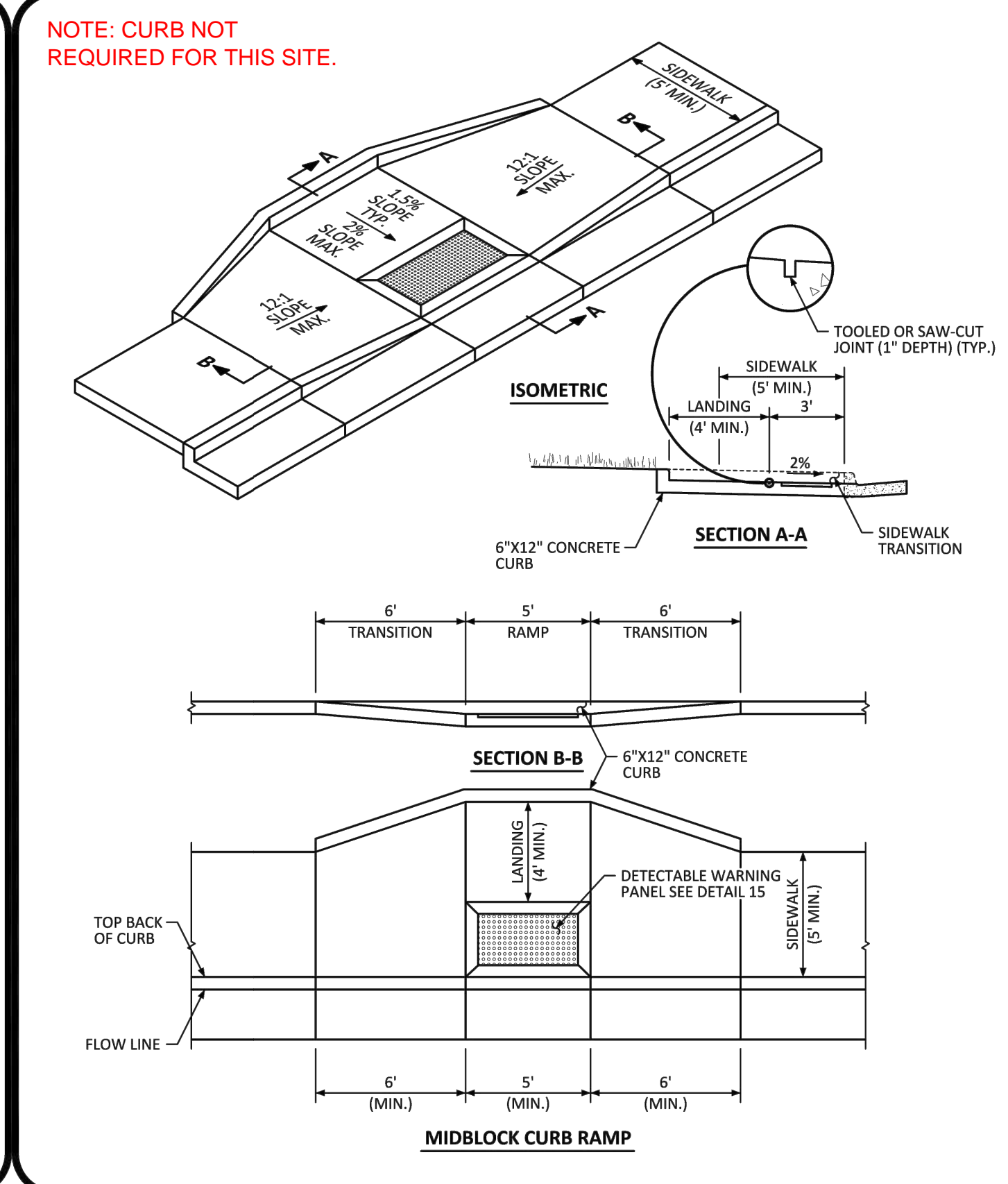
Revision Issue

Rev. #	Description	Date
1	TOWN COMMENTS	1/22/21
2	TOWN COMMENTS	3/22/21

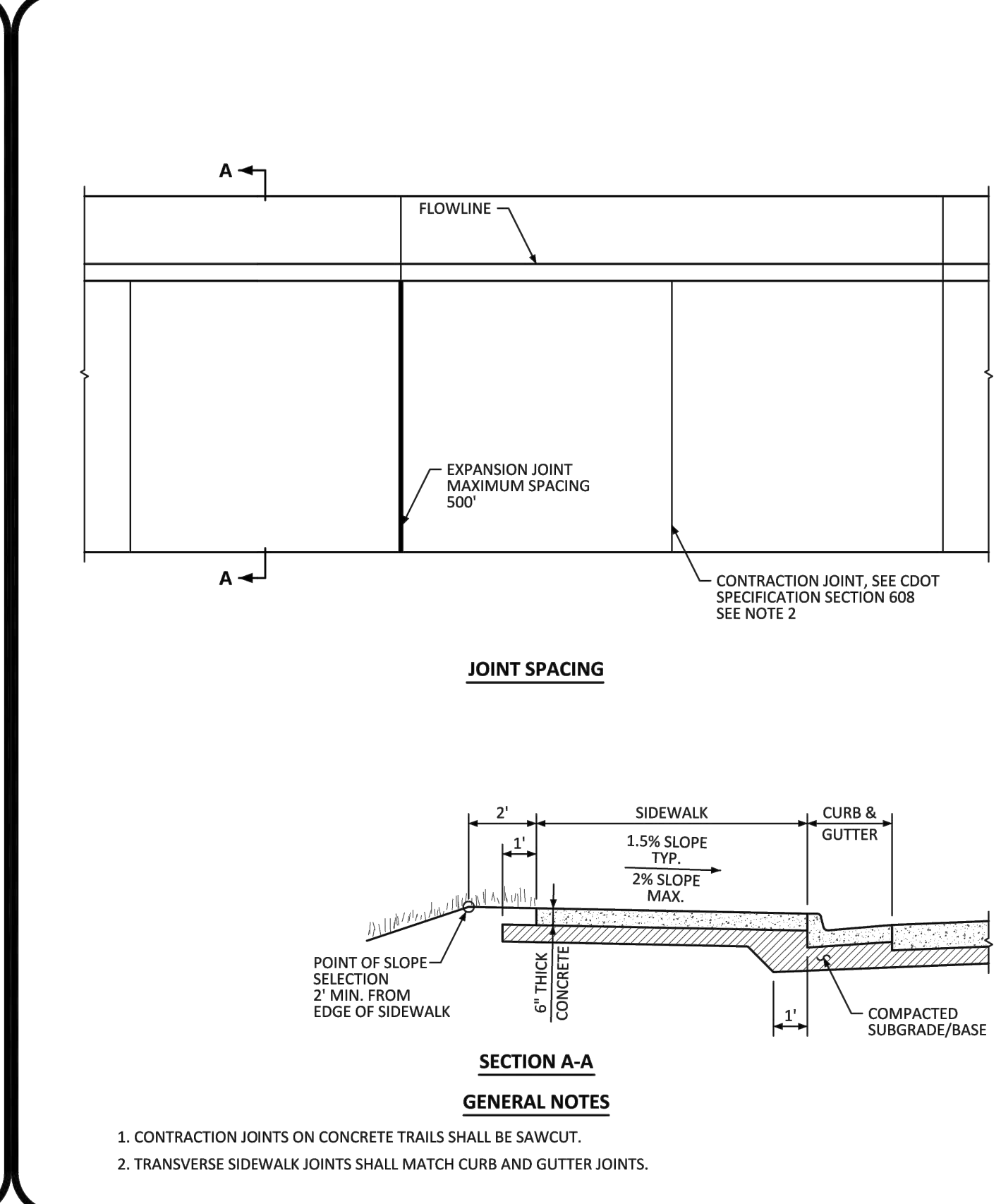
CIVIL DETAILS

1

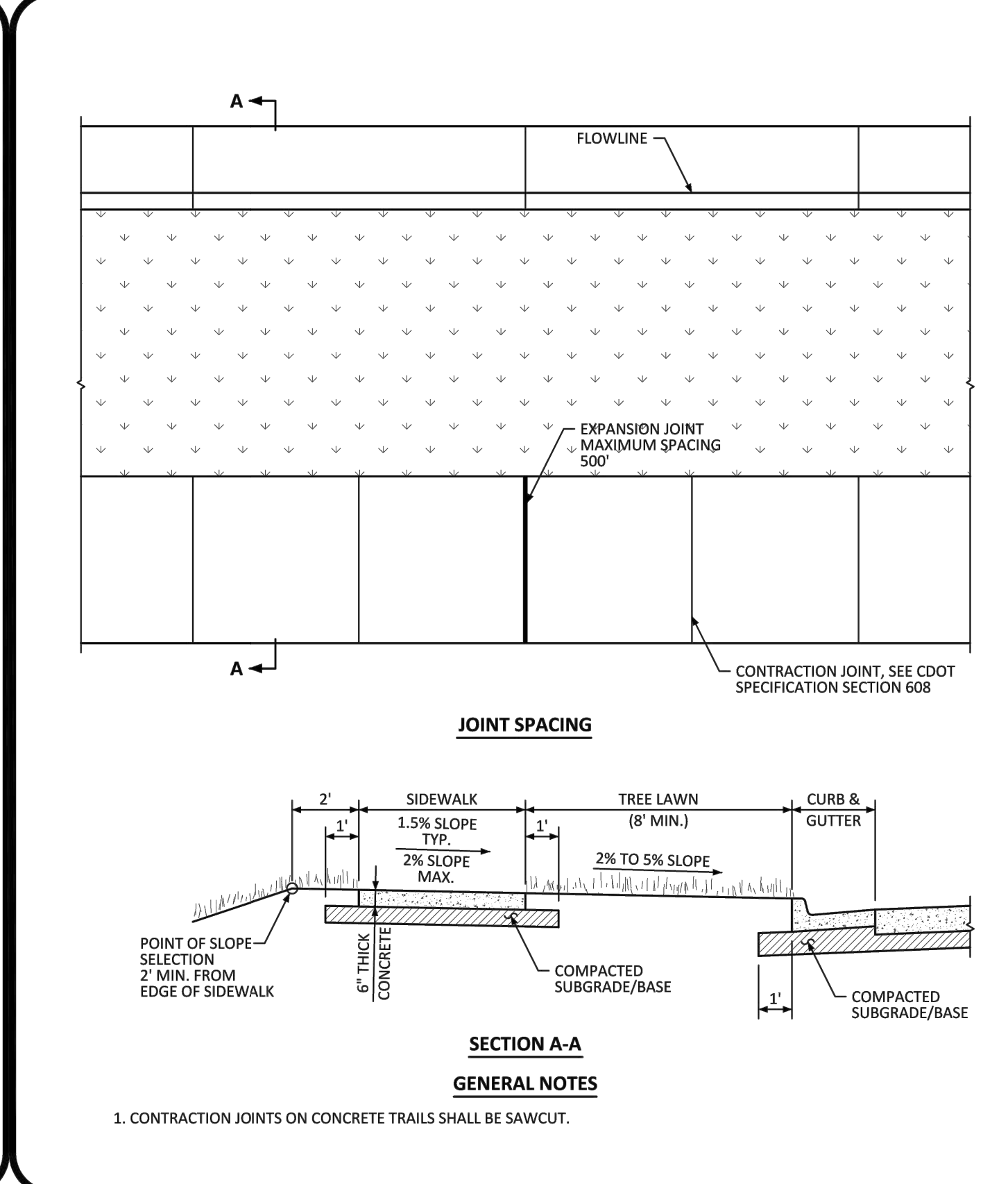
C1.6



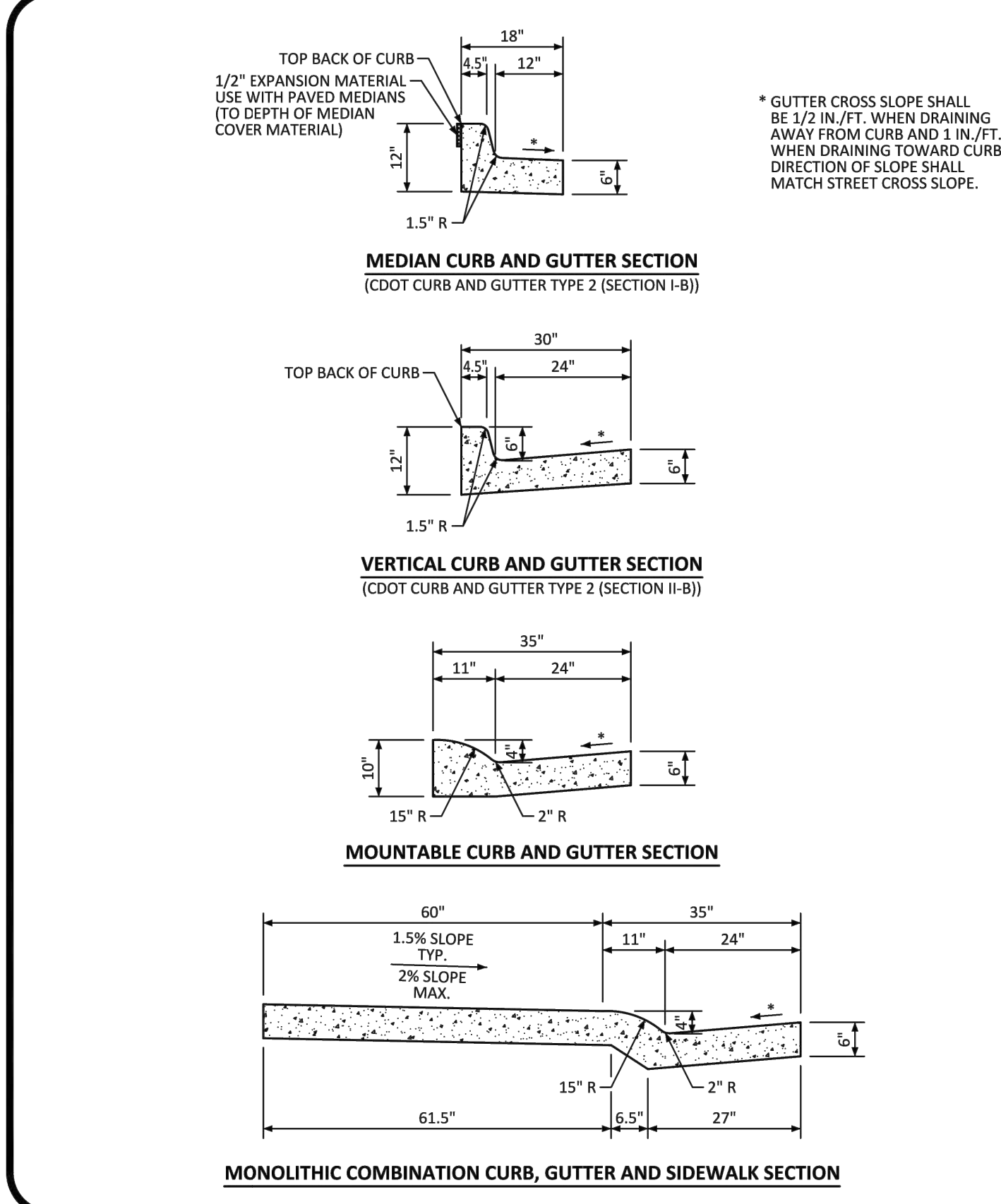
MIDDLEBLOCK CURB RAMP LAYOUT STANDARD DETAIL
DATE: DECEMBER 2016
DETAIL: 17
2 OF 2



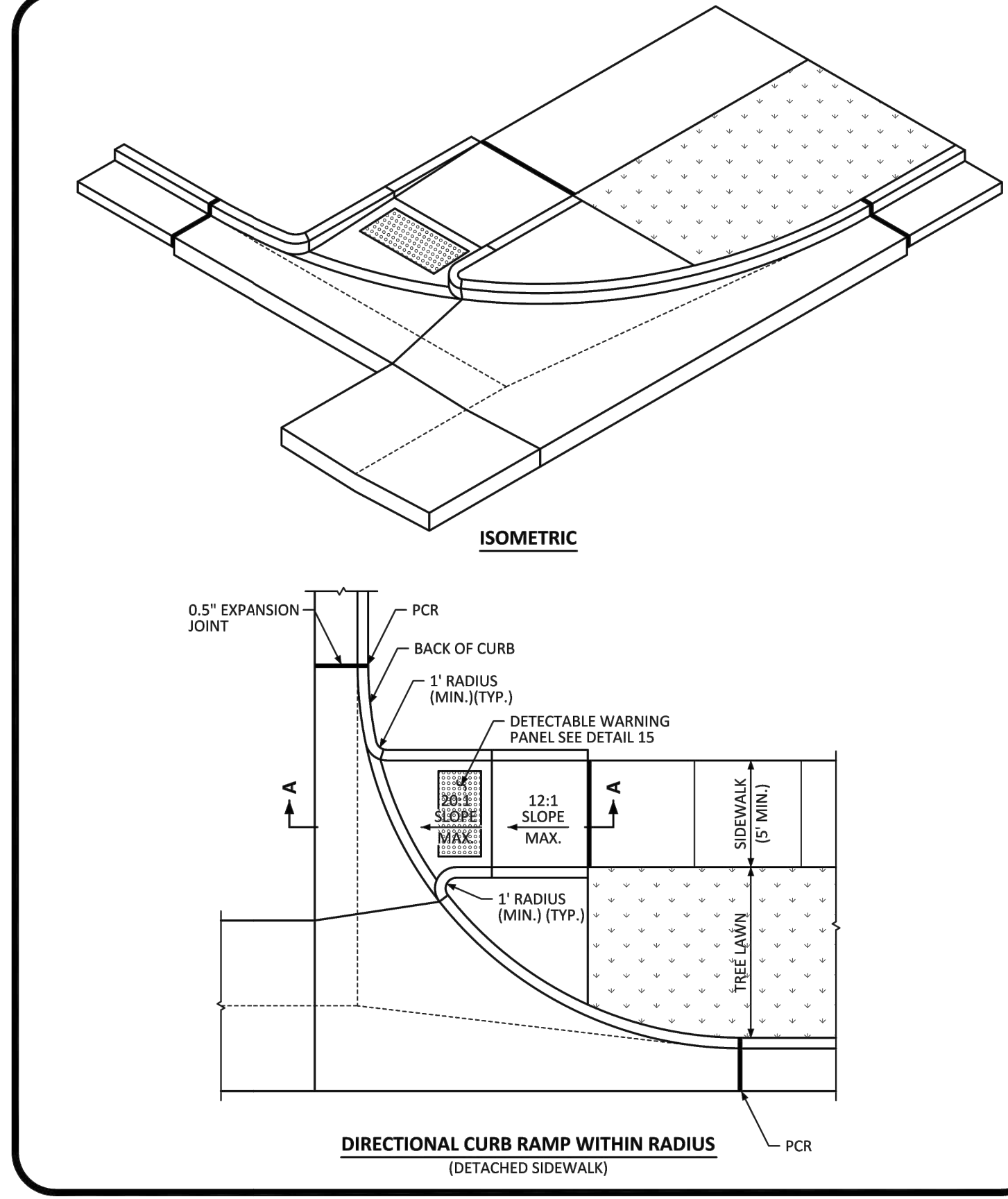
ATTACHED SIDEWALK STANDARD DETAIL
DATE: DECEMBER 2016
DETAIL: 4
2 OF 2



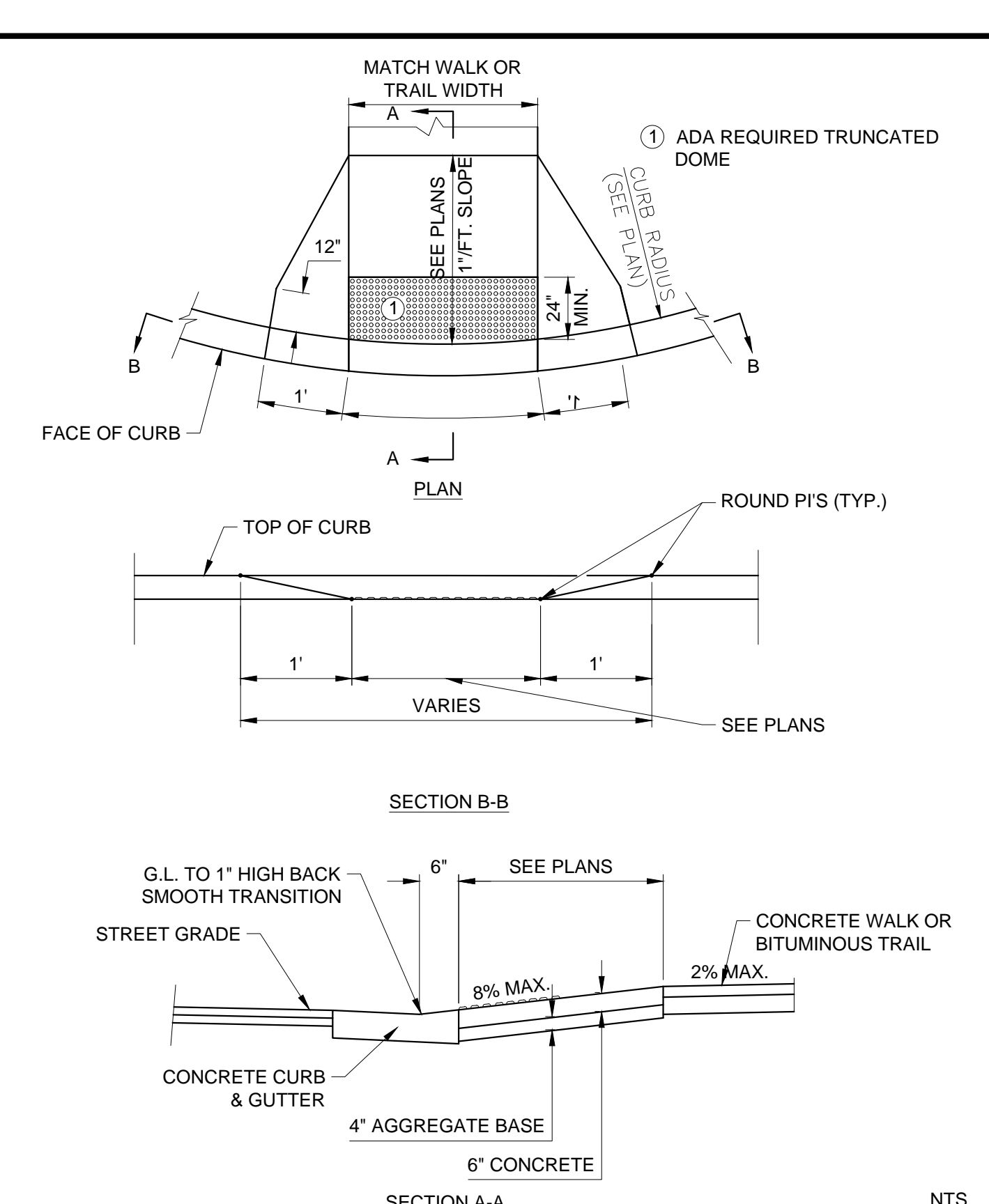
DETACHED SIDEWALK STANDARD DETAIL
DATE: DECEMBER 2016
DETAIL: 4
1 OF 2



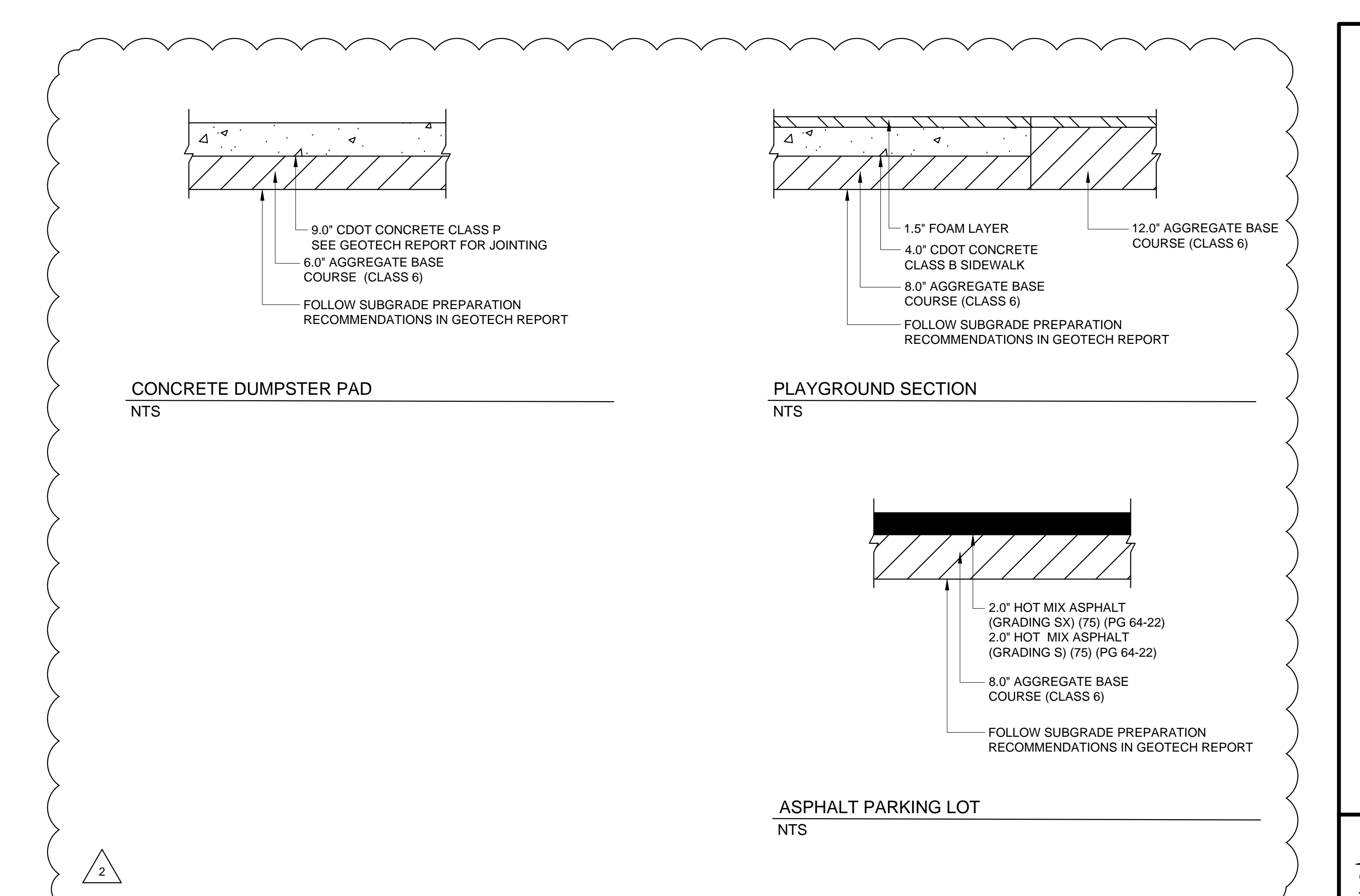
CURB, GUTTER, AND SIDEWALK SECTIONS STANDARD DETAIL
DATE: DECEMBER 2016
DETAIL: 3
1 OF 1



DIRECTIONAL CURB RAMP WITHIN RADIUS LAYOUT STANDARD DETAIL
DATE: DECEMBER 2016
DETAIL: 18
2 OF 2



PEDESTRIAN CURB RAMP FOR SIDEWALK OR TRAIL
Revised: Oct. 2011
SEH Plate No. STR-04



CONCRETE DUMPSTER PAD NTS
PLAYGROUND SECTION NTS
ASPHALT PARKING LOT NTS

Save: 3/23/2021 7:21 AM kglendenning Plot: 3/23/2021 7:27 AM X:\KONNINHOAC\156217\5-final\dsign\51-drawings\10-civil\caddwg\sheet\Site Plans\C1_NHOAC\156217_Site Plan.dwg



Building a Better World for All of Us®

NOT FOR CONSTRUCTION

Owner
New Horizon Academy
3405 Annapolis Lane
N. Suite 100
Plymouth, MN 55447
763.557.1111

Architect
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Landscape Architect
Short Elliot Hendrickson, Inc.
Suite 300
Minnetonka, MN 55343
952.912.2800

Civil Engineer
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Structural Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Mechanical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Electrical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

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

This drawing is an instrument of service and shall remain the property of Short Elliot Hendrickson, Inc. (SEH). This drawing and the concepts and ideas contained herein shall not be used, reproduced, copied, or otherwise used without the express written approval of SEH.

SEH Project
Checked By
Drawn By

Project Status
TOWN REVIEW
TOWN REVIEW
TOWN REVIEW

Revision Issue
Rev. # Description Date
1 TOWN COMMENTS 1/22/21
2 TOWN COMMENTS 3/22/21

GRADING PLAN

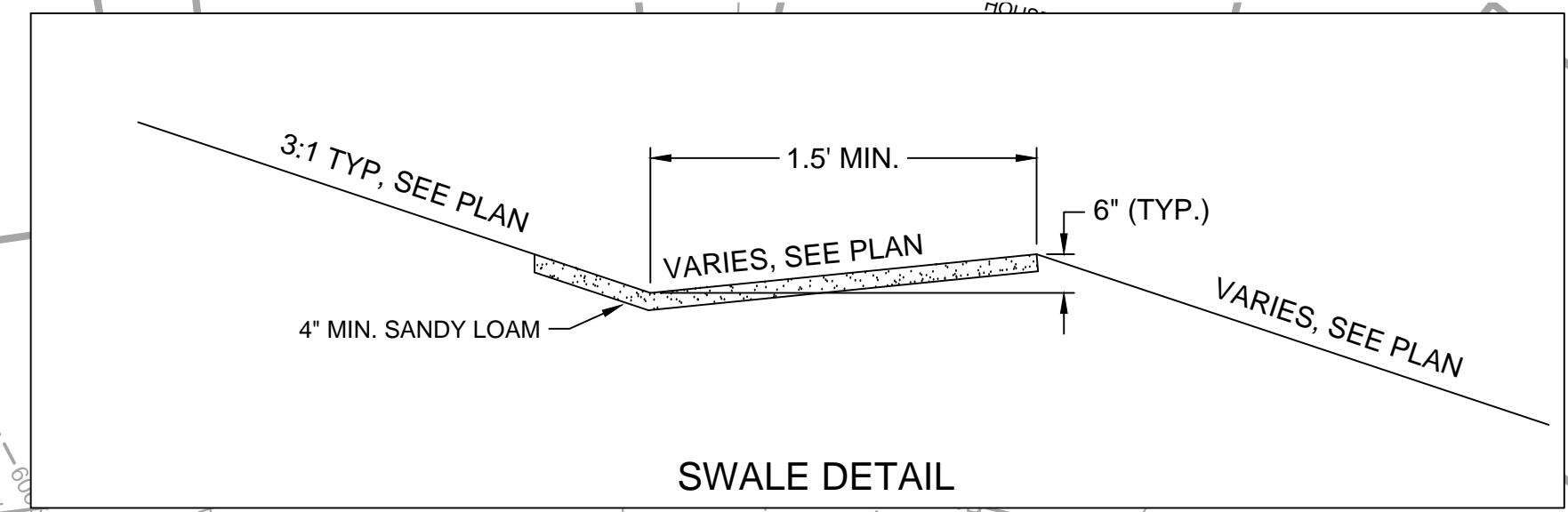
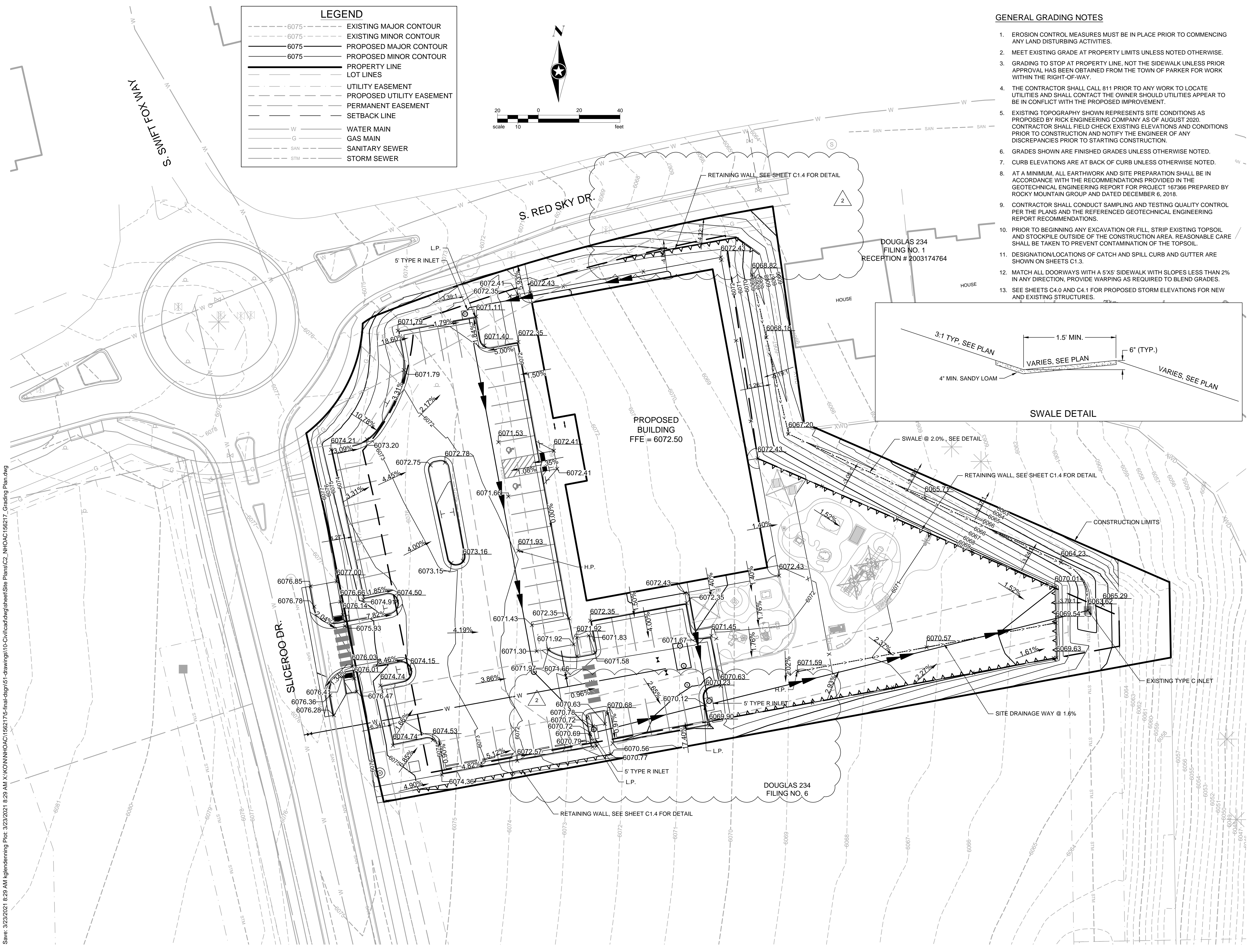
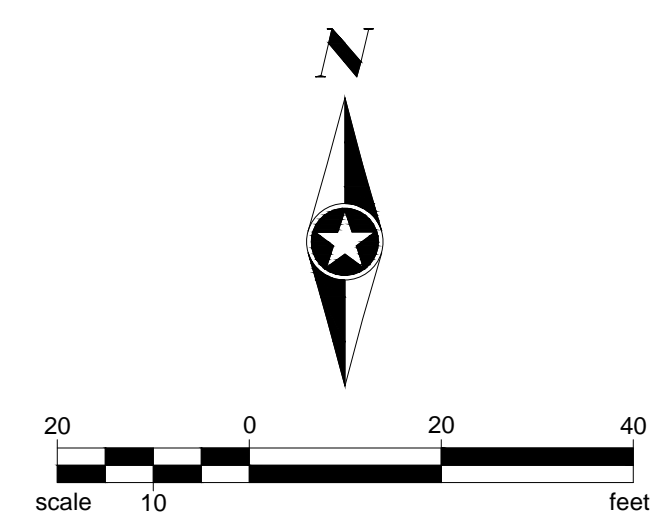
2

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 A 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
- - - SAN - SANITARY SEWER
- - - STM - STORM SEWER



Save: 3/23/2021 8:29 AM kglendenning Plot: 3/23/2021 8:29 AM X:\KONNINH\OAC\156217\5-final\design\1-drawings\10-civil\caddwg\sheet\Site Plans\C2_NHOAC\156217_Grading Plan.dwg



Building a Better World for All of Us®

NOT FOR CONSTRUCTION

Owner
New Horizon Academy
3405 Annapolis Lane
N, Suite 100
Plymouth, MN 55447
763.557.1111

Architect
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Landscape Architect
Short Elliot Hendrickson, Inc.
10901 Red Circle Drive
Suite 300
Minnetonka, MN 55343
952.912.2800

Civil Engineer
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Structural Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

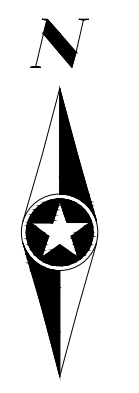
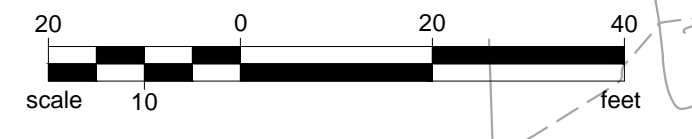
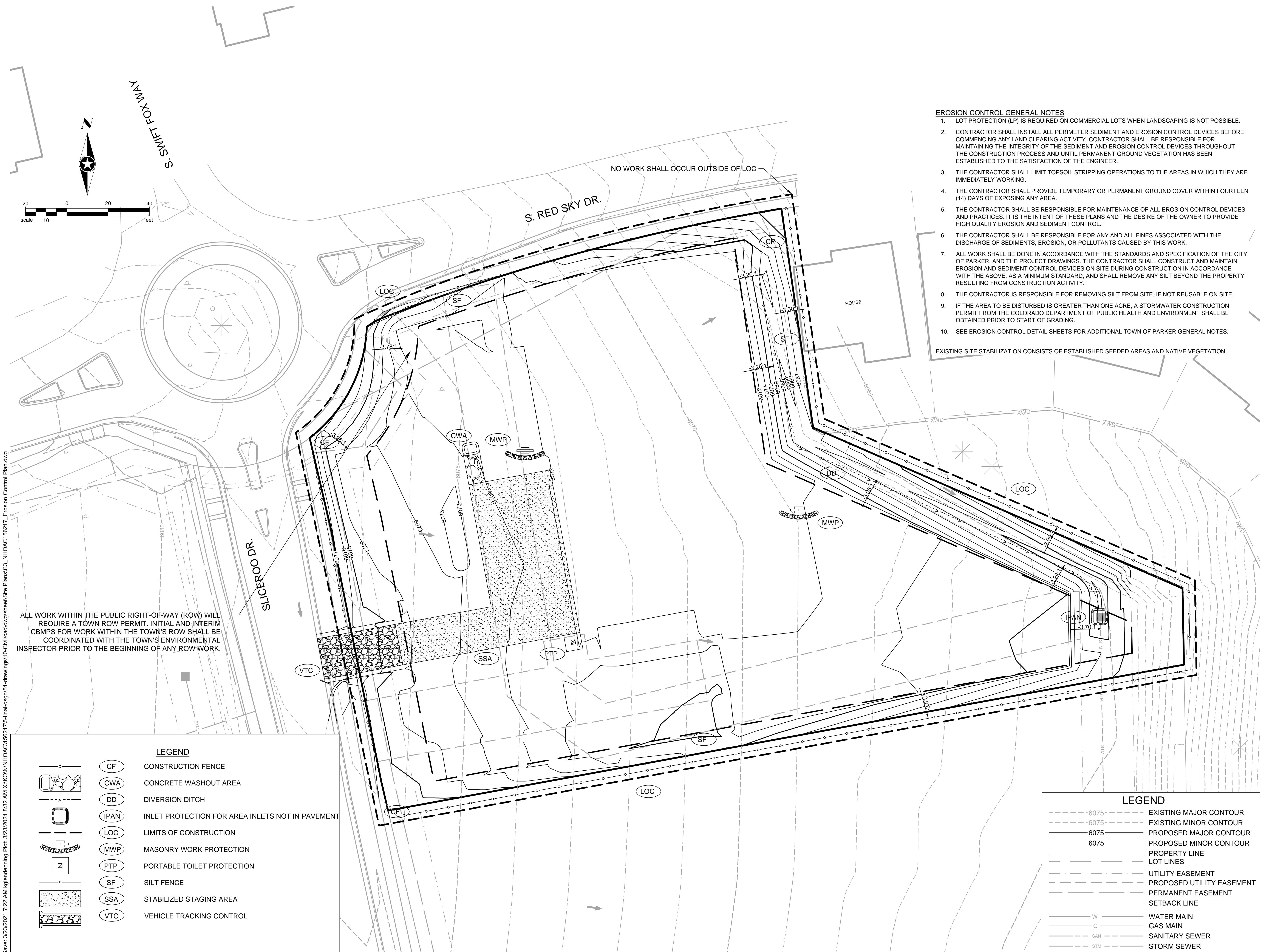
Mechanical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Electrical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

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 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.

Save: 3/23/2021 7:22 AM kglendinning Plot: 3/23/2021 8:32 AM X:\KONNINHOC\156217\5-final\dsign\5-drawings\10-civil\cad\dwg\sheet\Site Plans\C3_NHOAC\156217_Erosion Control Plan.dwg

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

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

This drawing is an instrument of service and shall remain the property of Short Elliot Hendrickson, Inc. (SEH). This drawing and the concepts and ideas contained herein shall not be used, reproduced, copied, or otherwise used without the express written approval of SEH.

Submission or distribution of this drawing to meet official or regulatory requirements or for other purposes in connection with the project is not to be construed as publication in derogation of any of the rights of SEH.

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

Project Status	Issue Date
TOWN REVIEW	8/26/2020
TOWN REVIEW	1/22/2021
TOWN REVIEW	3/22/2021

Rev. #	Description	Date
1	TOWN COMMENTS	1/22/21
2	TOWN COMMENTS	3/22/21

INITIAL CBMP PLAN

2

C3.0



Building a Better World for All of Us®

NOT FOR CONSTRUCTION

Owner
New Horizon Academy
3405 Annapolis Lane
N, Suite 100
Plymouth, MN 55447
763.557.1111

Architect
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Landscape Architect
Short Elliot Hendrickson, Inc.
10901 Red Circle Drive
Suite 300
Minnetonka, MN 55343
952.912.2600

Civil Engineer
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Structural Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

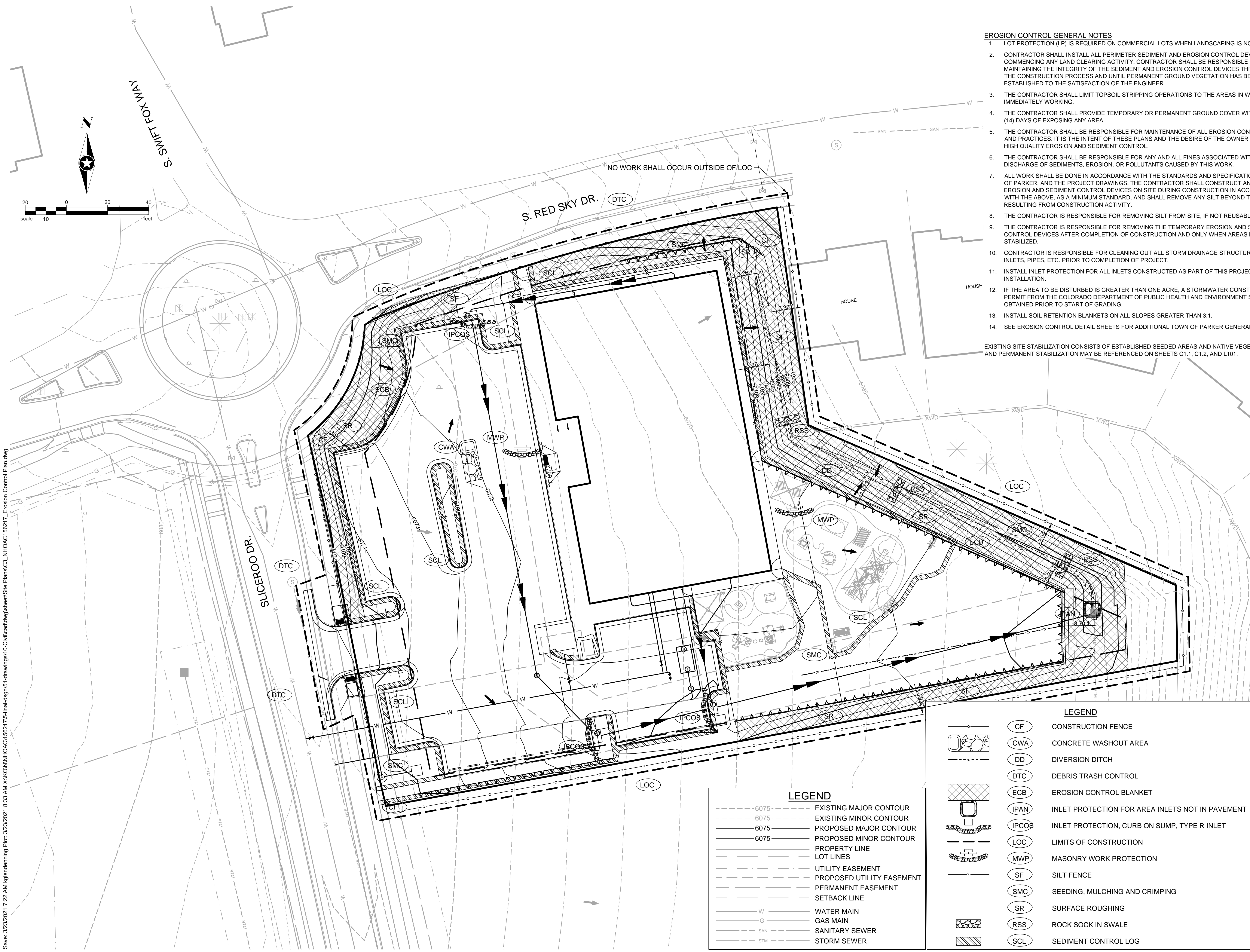
Mechanical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Electrical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

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. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABILIZED.
10. CONTRACTOR IS RESPONSIBLE FOR CLEANING OUT ALL STORM DRAINAGE STRUCTURES, INCLUDING INLETS, PIPES, ETC. PRIOR TO COMPLETION OF PROJECT.
11. INSTALL INLET PROTECTION FOR ALL INLETS CONSTRUCTED AS PART OF THIS PROJECT FOLLOWING INSTALLATION.
12. 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.
13. INSTALL SOIL RETENTION BLANKETS ON ALL SLOPES GREATER THAN 3:1.
14. SEE EROSION CONTROL DETAIL SHEETS FOR ADDITIONAL TOWN OF PARKER GENERAL NOTES.

EXISTING SITE STABILIZATION CONSISTS OF ESTABLISHED SEEDED AREAS AND NATIVE VEGETATION. FINAL AND PERMANENT STABILIZATION MAY BE REFERENCED ON SHEETS C1.1, C1.2, AND L101.



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

LEGEND

	CF	CONSTRUCTION FENCE
	CWA	CONCRETE WASHOUT AREA
	DD	DIVERSION DITCH
	DTC	DEBRIS TRASH CONTROL
	ECB	EROSION CONTROL BLANKET
	IPAN	INLET PROTECTION FOR AREA INLETS NOT IN PAVEMENT
	IPCOS	INLET PROTECTION, CURB ON SUMP, TYPE R INLET
	LOC	LIMITS OF CONSTRUCTION
	MWP	MASONRY WORK PROTECTION
	SF	SILT FENCE
	SMC	SEEDING, MULCHING AND CRIMPING
	SR	SURFACE ROUGHING
	RSS	ROCK SOCK IN SWALE
	SCL	SEDIMENT CONTROL LOG

Save: 3/23/2021 7:22 AM kglendenning Plot: 3/23/2021 8:33 AM X:\KONN\NHOAC\156217\5-final\design\5-drawings\10-civil\cad\dwg\sheet\Site Plans\C3_NHOAC\156217_Erosion Control Plan.dwg

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

This drawing is an instrument of service and shall remain the property of Short Elliot Hendrickson, Inc. (SEH). This drawing and the concepts and ideas contained herein shall not be used, reproduced, revised, or retained without the express written approval of SEH.

Substitution or modification of this drawing to meet official or regulatory requirements or for other purposes in connection with the project is not to be construed as modification to the original scope of the rights of SEH.

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

Project Status: Issue Date
TOWN REVIEW: 8/26/2020
TOWN REVIEW: 1/22/2021
TOWN REVIEW: 3/22/2021

Revision Issue

Rev. #	Description	Date
1	TOWN COMMENTS	1/22/21
2	TOWN COMMENTS	3/22/21

INTERIM-FINAL CBMP PLAN

2

C3.1

NOT FOR CONSTRUCTION

Owner
New Horizon Academy
3405 Annapolis Lane
N. Suite 100
Plymouth, MN 55447
763.557.1111

Architect
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Landscape Architect
Short Elliot Hendrickson, Inc.
19001 Red Circle Drive
Suite 300
Minnetonka, MN 55343
952.912.2800

Civil Engineer
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Structural Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Mechanical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Electrical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

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

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

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

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

	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.
- 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.

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.

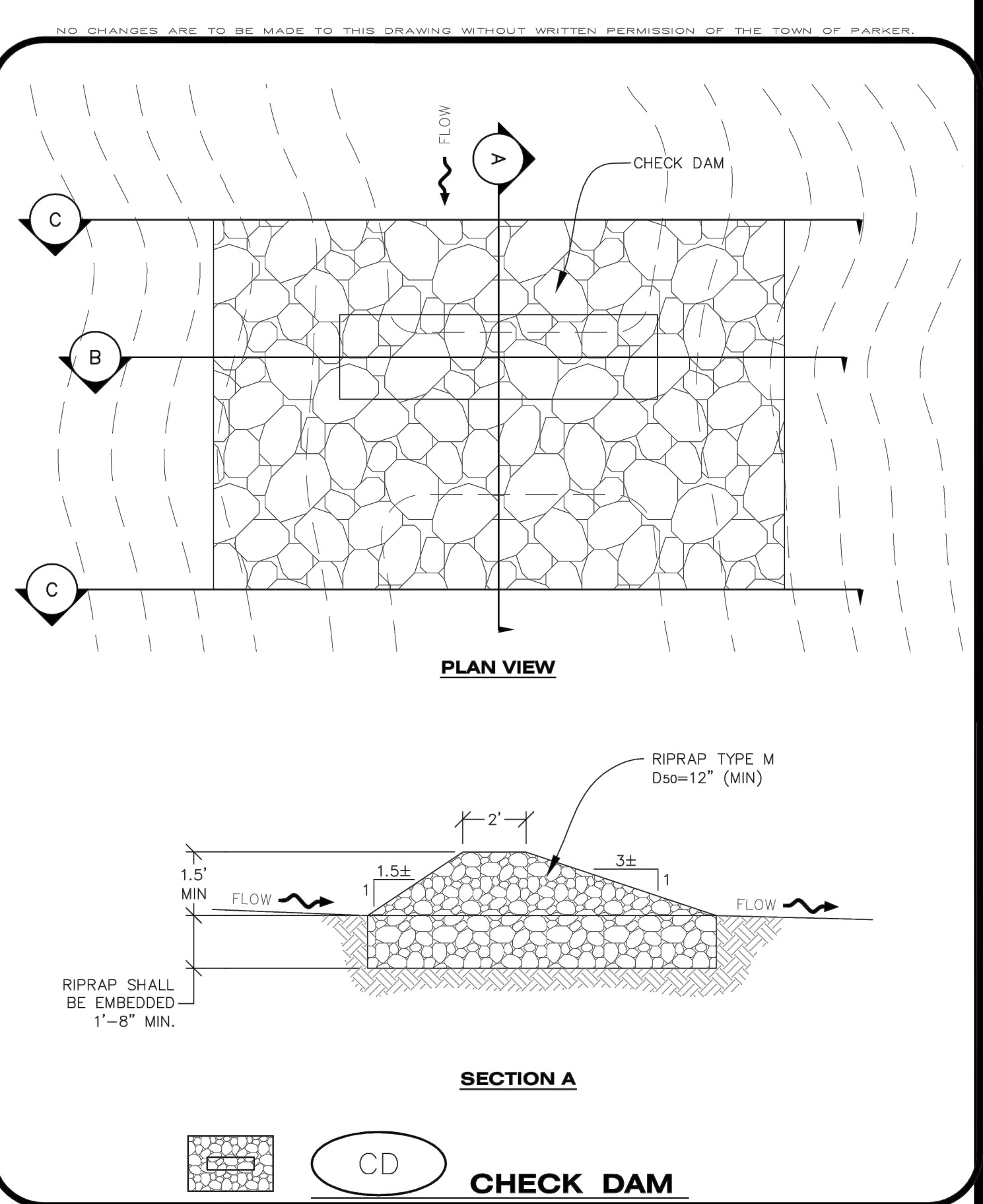
- NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.
- ALL CHEMICAL OR HAZARDOUS MATERIAL SPILLS, INCLUDING CONCRETE WASHOUT WATER, WHICH MAY ENTER WATERS OF THE STATE OF COLORADO, WHICH INCLUDES BUT ARE NOT LIMITED TO, SURFACE WATER, GROUND WATER, DRY GULLIES 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).
 - ALL SOIL-DISTURBING ACTIVITIES ASSOCIATED WITH THE GRADING PERMIT HAVE PERMANENTLY CEASED.
 - UNIFORM PERENNIAL VEGETATION COVER HAS BEEN ESTABLISHED WITH AN INDIVIDUAL PLANT DENSITY OF AT LEAST SEVENTY PERCENT (70%) OF PRE-DISTURBANCE LEVELS.
 - ALL CBMPs HAVE BEEN PROPERLY REMOVED FROM THE SITE.
 - IF ANY EROSION IS PRESENT, IT IS INSIGNIFICANT AND IS NOT LEAVING THE SITE AND/OR LEADING INTO ANY ON-SITE DRAINAGE INFRASTRUCTURE THAT MAY CONVEY SURFACE WATER OFF SITE.
 - WEEDS REPRESENT NO MORE THAN FIFTY PERCENT (50%) OF THE TOTAL VEGETATION ON THE 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 ASSIGNMENT AS PROVIDED BY SECTION 11.10.150 OF THE TOWN OF PARKER MUNICIPAL CODE. IT IS THE PROPERTY OWNER'S OBLIGATION AT THE TIME OF CLOSING TO ENSURE THAT THE NEW SITE OWNER HAS PROVIDED THE TOWN WITH A REPLACEMENT SECURITY.

- 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 OR 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.

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

DEFINITIONS:
DEVELOPABLE PROPERTY MEANS ANY LAND THAT HAS BEEN GRADED AND IS PART OF A PLATTED LOT OR PLATTED TRACT OF RECORD, THAT WAS PLATTED FOR FUTURE DEVELOPMENT, INCLUDING RESIDENTIAL HOME CONSTRUCTION OR PUBLIC IMPROVEMENTS.
NONDEVELOPABLE PROPERTY MEANS LAND THAT HAS BEEN GRADED AND WILL NOT BE FURTHER DISTURBED AS PART OF ANY FUTURE DEVELOPMENT. EXAMPLES INCLUDE, BUT ARE NOT LIMITED TO: PARKS, OPEN SPACE, HOMEOWNER ASSOCIATION OR BUSINESS ASSOCIATION PLATTED TRACTS, DETENTION PONDS AND DRAINAGEWAYS.

 - 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.



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

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

This drawing is an instrument of service and shall remain the property of Short Elliot Hendrickson, Inc. (SEH). This drawing and the concepts and ideas contained herein shall not be used, reproduced, copied, or retained without the express written approval of SEH.

SEH Project	NHOAC 156217
Checked By	DBH
Drawn By	AMP

Project Status	Issue Date
TOWN REVIEW	8/26/2020
TOWN REVIEW	1/22/2021
TOWN REVIEW	3/22/2021

Rev. #	Description	Date
1	TOWN COMMENTS	1/22/21
2	TOWN COMMENTS	3/22/21

CBMP DETAILS

C3.2

NOT FOR CONSTRUCTION

Owner
New Horizon Academy
3405 Annapolis Lane
N., Suite 100
Plymouth, MN 55447
763.557.1111

Architect
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Landscape Architect
Short Elliot Hendrickson, Inc.
10900 Red Circle Drive
Suite 300
Minnetonka, MN 55343
952.912.2600

Civil Engineer
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Structural Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Mechanical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Electrical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

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

This drawing is an instrument of service and shall remain the property of Short Elliot Hendrickson, Inc. (SEH). This drawing and the concepts and ideas contained herein shall not be used, reproduced, copied, or retained without the express written approval of SEH.

Submittal or distribution of this drawing to meet official or regulatory requirements or for other purposes in connection with the project is not to be construed as an indication of approval or acceptance of SEH.

SEH Project Checked By Drawn By NHOAC 156217 DEH AMP

Project Status Issue Date
TOWN REVIEW 8/26/2020
TOWN REVIEW 1/22/2021
TOWN REVIEW 3/22/2021

Rev. #	Description	Date
1	TOWN COMMENTS	1/22/21
2	TOWN COMMENTS	3/22/21

CBMP DETAILS

C3.3

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

CONSTRUCTION FENCE INSTALLATION NOTES

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

CONSTRUCTION FENCE INSPECTION AND MAINTENANCE NOTES

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

CONSTRUCTION FENCE

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

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

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

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

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

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

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

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.

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

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

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

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

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

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

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)

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

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

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

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)

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

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

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

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)

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

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

NOT FOR CONSTRUCTION

Owner
New Horizon Academy
3405 Annapolis Lane
N., Suite 100
Plymouth, MN 55447
763.557.1111

Architect
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Landscape Architect
Short Elliot Hendrickson, Inc.
19901 Red Circle Drive
Suite 300
Minnetonka, MN 55343
952.912.2800

Civil Engineer
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Structural Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Mechanical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Electrical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

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

This drawing is an instrument of service and shall remain the property of Short Elliot Hendrickson, Inc. (SEH). This drawing and the concepts and ideas contained herein shall not be used, reproduced, copied, or altered without the express written approval of SEH.

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

Project Status: Issue Date
TOWN REVIEW: 8/26/2020
TOWN REVIEW: 1/22/2021
TOWN REVIEW: 3/22/2021

Rev. #	Description	Date
1	TOWN COMMENTS	1/22/21
2	TOWN COMMENTS	3/22/21

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

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

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

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

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

NOTE:

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

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

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

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

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.

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

FOREBAY

OUTLET / MICROPOOL

DETENTION POND PROTECTION

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

Save: 3/23/2021 7:22 AM kglendenning Plot: 3/23/2021 7:28 AM X:\KON\NHOAC\156217\5-final\dsign\51-drawings\10-civil\cad\dwg\sheet\Site Plans\C3_NHOAC\156217_Erosion Control Plan.dwg

NOT FOR CONSTRUCTION

Owner
New Horizon Academy
3405 Annapolis Lane
N., Suite 100
Plymouth, MN 55447
763.557.1111

Architect
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Landscape Architect
Short Elliott Hendrickson, Inc.
19901 Red Circle Drive
Suite 300
Minnetonka, MN 55343
952.912.2600

Civil Engineer
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Structural Engineer
Short Elliott Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Mechanical Engineer
Short Elliott Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Electrical Engineer
Short Elliott Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

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

START EROSION BLANKET AT THE TOP OF SLOPE AND EXTEND PAST THE TOE OF SLOPE. BLANKET SHALL BE PLACED PERPENDICULAR TO THE TOP AND BOTTOM OF THE SLOPE. COMPLETE SUBSEQUENT ROWS IN THE SAME MANNER, OVERLAPPING THE BLANKETS A MINIMUM OF 1.0'.

1 TOP SLOPE ANCHOR SLOT
2 BLANKET OVERLAPS
3 TOP SIDE SLOPE EDGE OF BLANKET
4 BLANKET TERMINAL ENDS

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

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

ECB EROSION CONTROL BLANKET (SLOPE)

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

TOE OF SLOPE ANCHOR TRENCH
TOP OF SLOPE ANCHOR TRENCH
JOINT ANCHOR TRENCH USED TO JOIN BLANKETS TOGETHER (LONGITUDINAL)

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

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

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

ECB EROSION CONTROL BLANKET (CHANNEL)

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

EROSION CONTROL BLANKET INSTALLATION NOTES

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

MANUFACTURER	PRODUCT NAME
NORTH AMERICAN GREEN	S150
APPROVED EQUAL	APPROVED EQUAL

EROSION CONTROL BLANKET MAINTENANCE NOTES

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

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

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

AREA INLET WITH CONCRETE APRON PLAN VIEW
AREA INLET PLAN VIEW

SECTION A
SECTION B

ISOMETRIC
ISOMETRIC

IPAN INLET PROTECTION FOR AREA INLETS NOT IN PAVEMENT

1 OF 3
Oct. 2013

CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES

2 OF 3
Oct. 2013

CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES

3 OF 3
Oct. 2013

CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES

1 OF 1
Oct. 2013

CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES

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

AREA INLET PROTECTION INSTALLATION NOTES

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

AREA INLET PROTECTION INSPECTION AND MAINTENANCE NOTES

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

IPAN INLET PROTECTION FOR AREA INLETS IN PAVEMENT

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

AREA INLET WITH CONCRETE APRON PLAN VIEW
AREA INLET PLAN VIEW

SECTION A
SECTION B

ISOMETRIC

IPAP INLET PROTECTION FOR AREA INLETS IN PAVEMENT

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

ROCK SOCK (SEE DETAIL RS) SHALL BE PLACED TIGHTLY AGAINST CURB FACE AND SHALL BE PLACED 5.0' UPSTREAM FROM THE INLET OPENING.

PLAN VIEW
ISOMETRIC
PLAN VIEW FOR MULTIPLE ROCK SOCKS

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

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

ELEVATION
BASE

TUBULAR TRAFFIC MARKER DETAIL

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

1 OF 1
Oct. 2013

CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES

1 OF 1
Oct. 2013

CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES

1 OF 3
Oct. 2013

CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES

2 OF 3
Oct. 2013

CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES

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

This drawing is an instrument of service and shall remain the property of Short Elliott Hendrickson, Inc. (SEH). This drawing and the concepts and ideas contained herein shall not be used, reproduced, copied, or retained without the express written approval of SEH.

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

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

Project Status: TOWN REVIEW
Issue Date: 1/22/2021

Project Status: TOWN REVIEW
Issue Date: 3/22/2021

Rev. #	Description	Date
1	TOWN COMMENTS	1/22/21
2	TOWN COMMENTS	3/22/21

CBMP DETAILS

1

C3.5

NOT FOR
CONSTRUCTION

Owner
New Horizon Academy
3405 Annapolis Lane
N., Suite 100
Plymouth, MN 55447
763.557.1111

Architect
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Landscape Architect
Short Elliot Hendrickson, Inc.
10900 Red Circle Drive
Suite 300
Minnetonka, MN 55343
952.912.2800

Civil Engineer
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Structural Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Mechanical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Electrical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

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.

INLET PROTECTION, CURB ON SUMP, TYPE R INLET

IPCOS

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.

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

LOT PROTECTION

LP

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

CBMP | **IPCOS**

CONSTRUCTION BEST MANAGEMENT PRACTICES | 3 OF 3
Oct. 2013

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

CBMP | **IPCOS**

CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 2
Oct. 2013

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

CBMP | **IPCOS**

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.

CBMP | **LP**

CONSTRUCTION BEST MANAGEMENT PRACTICES | 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

MWP

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

PTP

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

CBMP | **LP**

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.

CBMP | **MWP**

CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 2
Oct. 2013

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

CBMP | **MWP**

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.

CBMP | **PTP**

CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 2
Oct. 2013

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

This drawing is an instrument of service and shall remain the property of Short Elliot Hendrickson, Inc. (SEH). This drawing and the concepts and ideas contained herein shall not be used, reproduced, copied, or retained without the express written approval of SEH.

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

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

Revision Issue

Rev. #	Description	Date
1	TOWN COMMENTS	1/22/2021
2	TOWN COMMENTS	3/22/2021

CBMP DETAILS

1

C3.6

Save: 3/23/2021 7:22 AM kglendenning Plot: 3/23/2021 7:29 AM X:\KON\NHOAC\156217\Final\dsig151-drawings\10-Civil\cad\dwg\sheet\Site Plans\C3_NHOAC\156217_Erosion Control Plan.dwg

NOT FOR
CONSTRUCTION

Owner
New Horizon Academy
3405 Annapolis Lane
N, Suite 100
Plymouth, MN 55447
763.557.1111

Architect
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Landscape Architect
Short Elliott Hendrickson, Inc.
10901 Red Circle Drive
Suite 300
Minnetonka, MN 55343
952.912.2800

Civil Engineer
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Structural Engineer
Short Elliott Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Mechanical Engineer
Short Elliott Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Electrical Engineer
Short Elliott Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

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

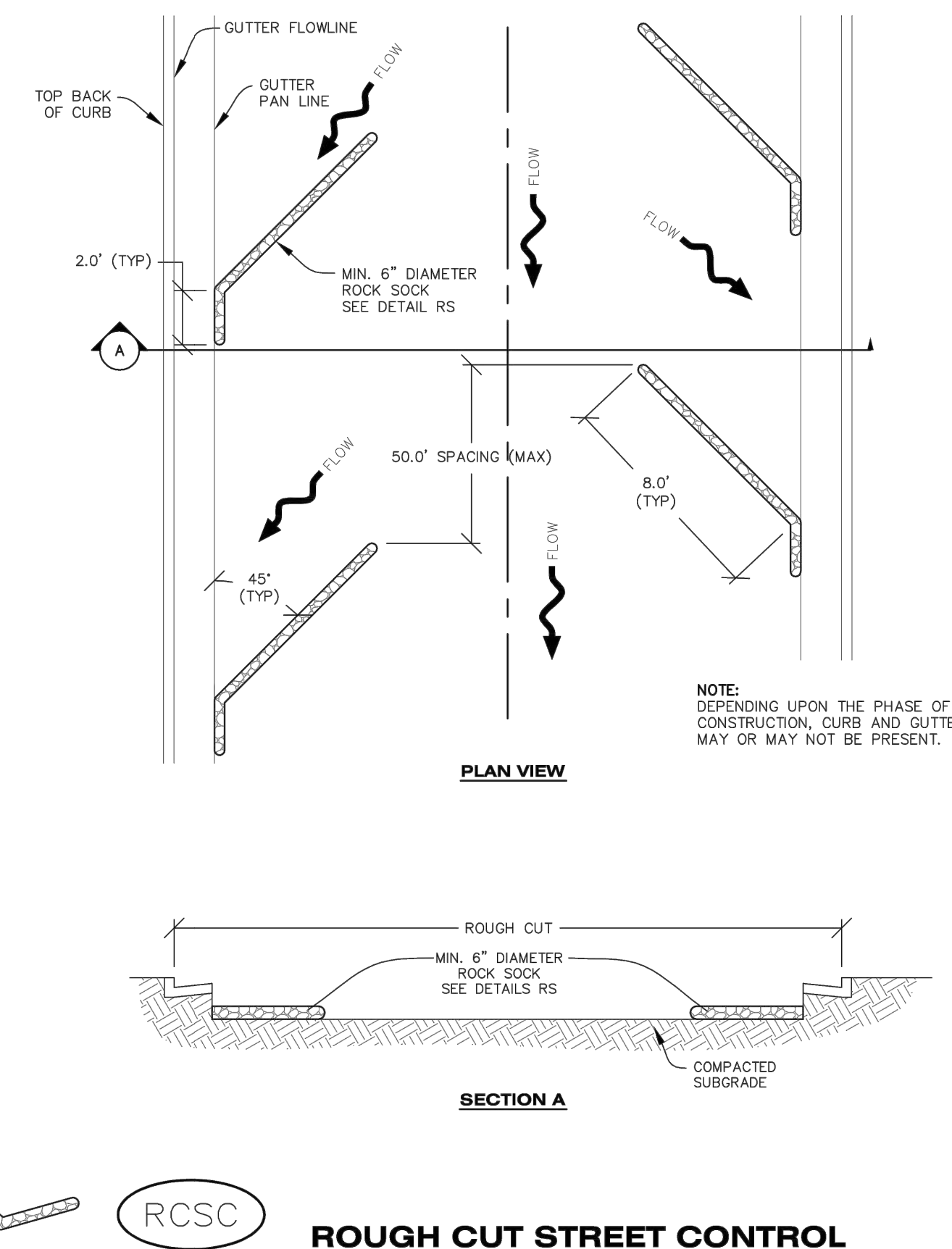
PORTABLE TOILET PROTECTION INSTALLATION NOTES

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

PORTABLE TOILET PROTECTION INSPECTION AND MAINTENANCE NOTES

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

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



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

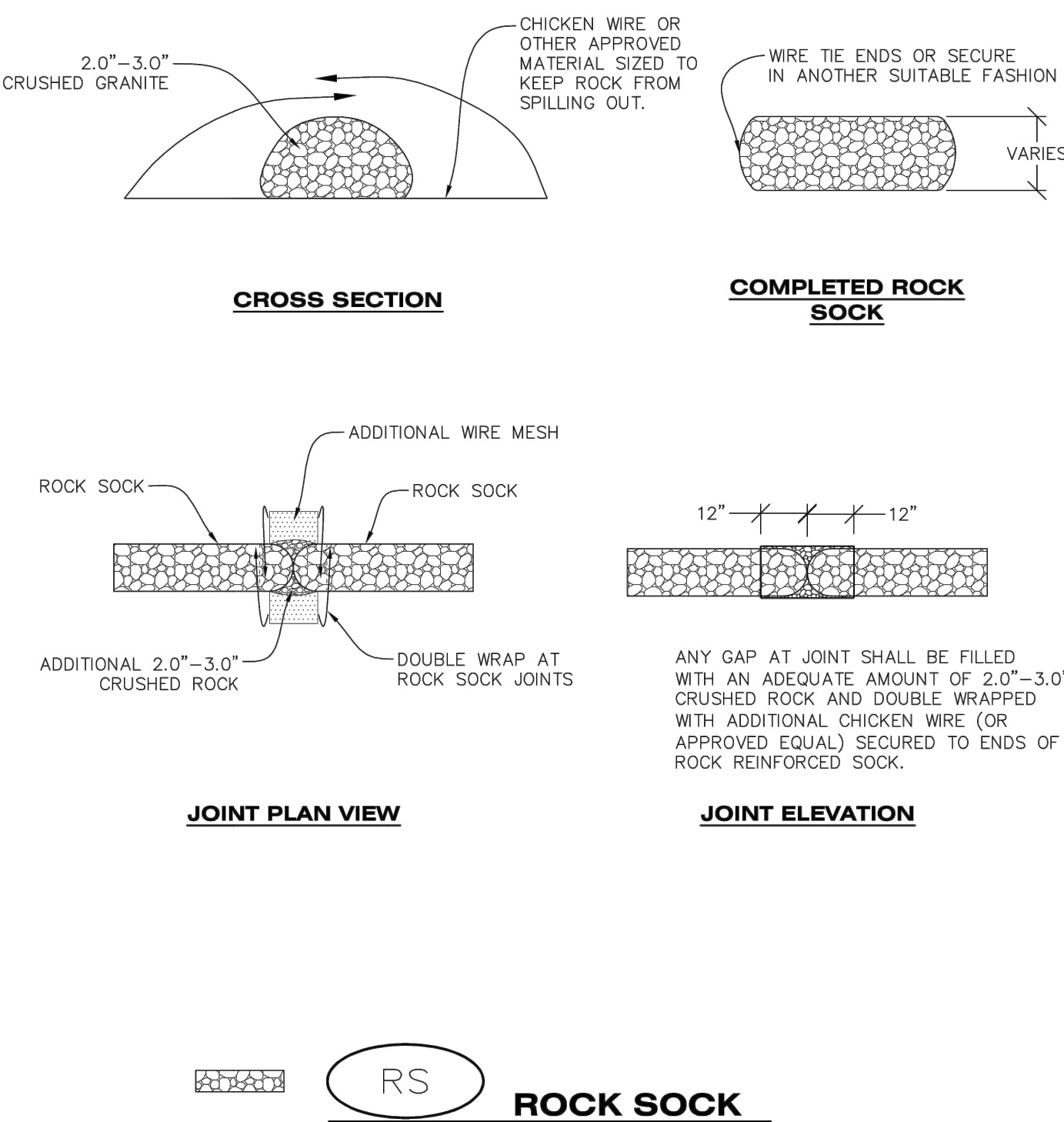
ROUGH CUT STREET CONTROL INSTALLATION NOTES

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

ROUGH CUT STREET CONTROL INSPECTION AND MAINTENANCE NOTES

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

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



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

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

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

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

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

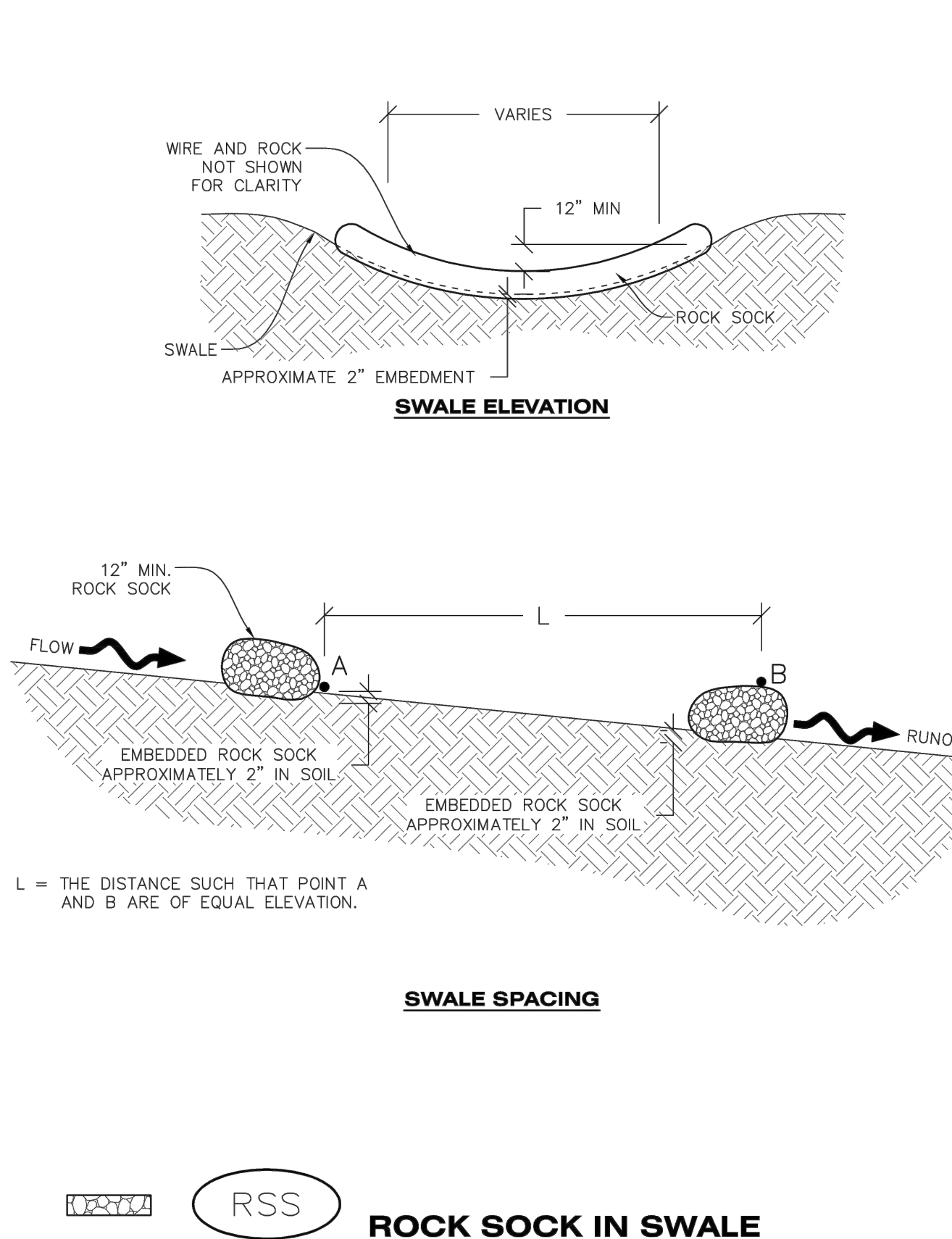
ROCK SOCK INSTALLATION NOTES

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

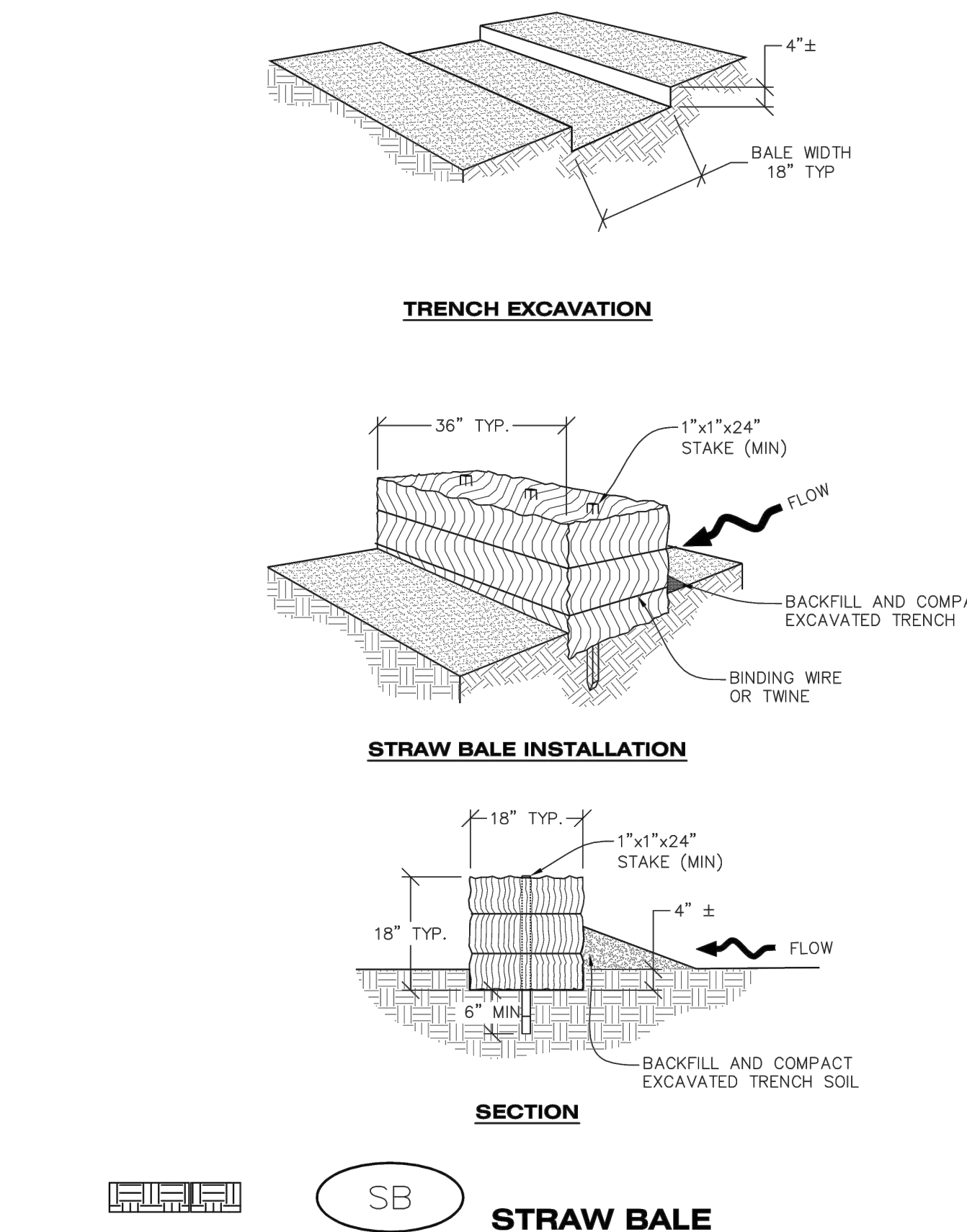
ROCK SOCK INSPECTION AND MAINTENANCE NOTES

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

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



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



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

STRAW BALE INSTALLATION NOTES

1. SEE CBMP PLAN FOR LOCATION(S) OF STRAW BALES.
2. TYPICAL STRAW BALES SHALL BE APPROXIMATELY 36"x18"x18".
3. TWO (2) WOODEN STAKES SHALL BE USED TO HOLD EACH BALE IN PLACE. WOODEN STAKES SHALL BE A MINIMUM OF 1"x1"x24".
4. WOODEN STAKES SHALL BE PLACED APPROXIMATELY 6" INTO THE GROUND.
5. STRAW BALES SHALL BE SPACED AND POSITIONED ACCORDING TO DETAILS.

STRAW BALE INSPECTION AND MAINTENANCE NOTES

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE STRAW BALES.
2. ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE THE SEDIMENT HAS REACHED A DEPTH EQUAL TO 1/2 THE HEIGHT OF THE STRAW BALE.
3. STRAW BALES MAY NEED TO BE REPLACED IF THEY BECOME HEAVILY SOILED, ROTTEN, OR OTHERWISE DAMAGED.
4. 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.
5. 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).

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

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

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

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

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

This drawing is an instrument of service and shall remain the property of Short Elliott Hendrickson, Inc. (SEH). This drawing and the concepts and ideas contained herein shall not be used, reproduced, copied, or retained without the express written approval of SEH.

Submittal or distribution of this drawing to meet official or regulatory requirements or for other purposes in connection with the project is not to be construed as publication in derogation of any of the rights of SEH.

SEH Project	NHOAC 156217
Checked By	DH
Drawn By	AMP

Project Status	Issue Date
TOWN REVIEW	8/26/2020
TOWN REVIEW	1/22/2021
TOWN REVIEW	3/22/2021

Revision	Description	Date
1	TOWN COMMENTS	1/22/21
2	TOWN COMMENTS	3/22/21

CBMP DETAILS

1

C3.7

NOT FOR
CONSTRUCTION

Owner
New Horizon Academy
3405 Annapolis Lane
N., Suite 100
Plymouth, MN 55447
763.557.1111

Architect
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Landscape Architect
Short Elliot Hendrickson, Inc.
Suite 300
Minnetonka, MN 55343
952.912.2800

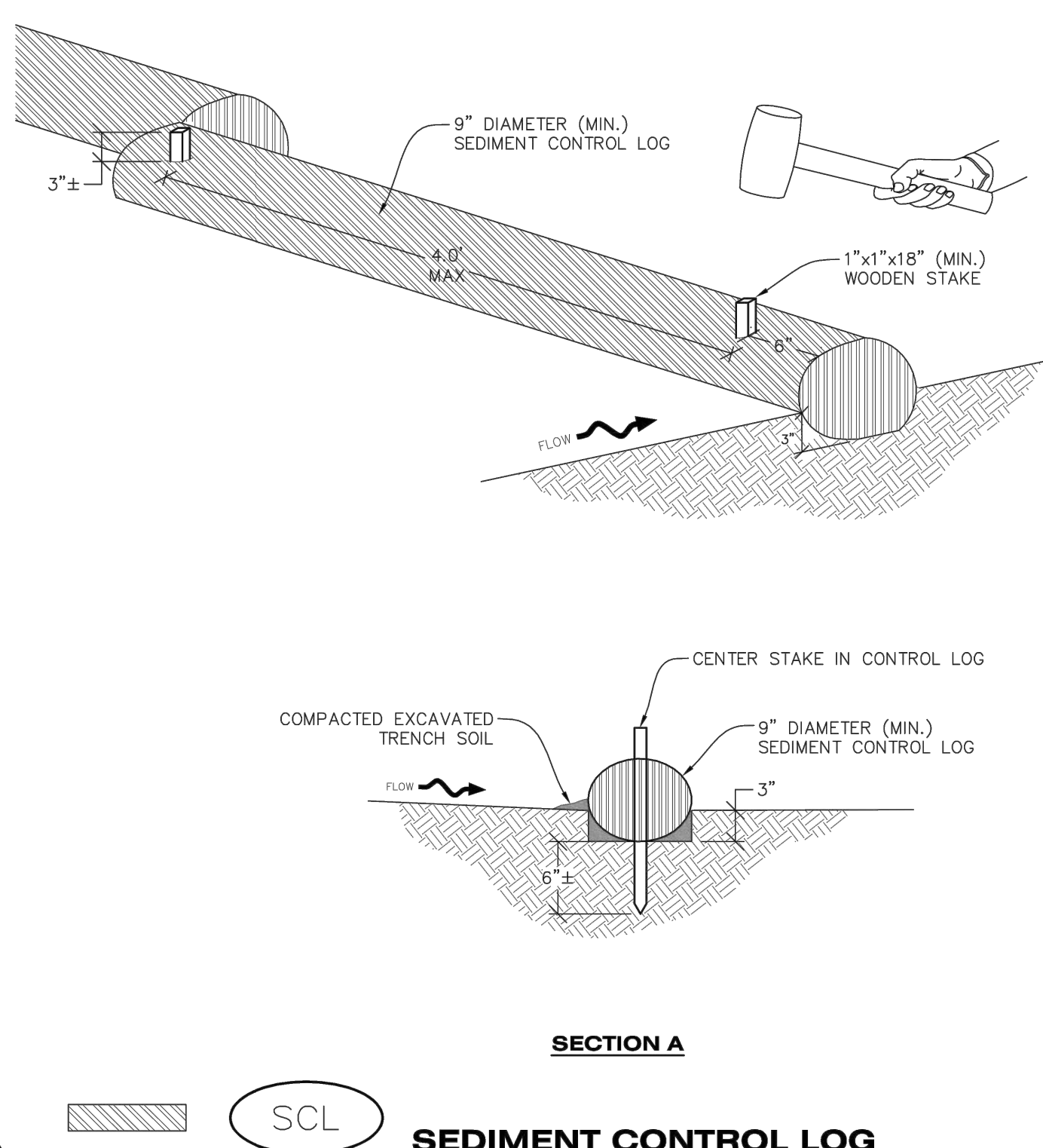
Civil Engineer
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Structural Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

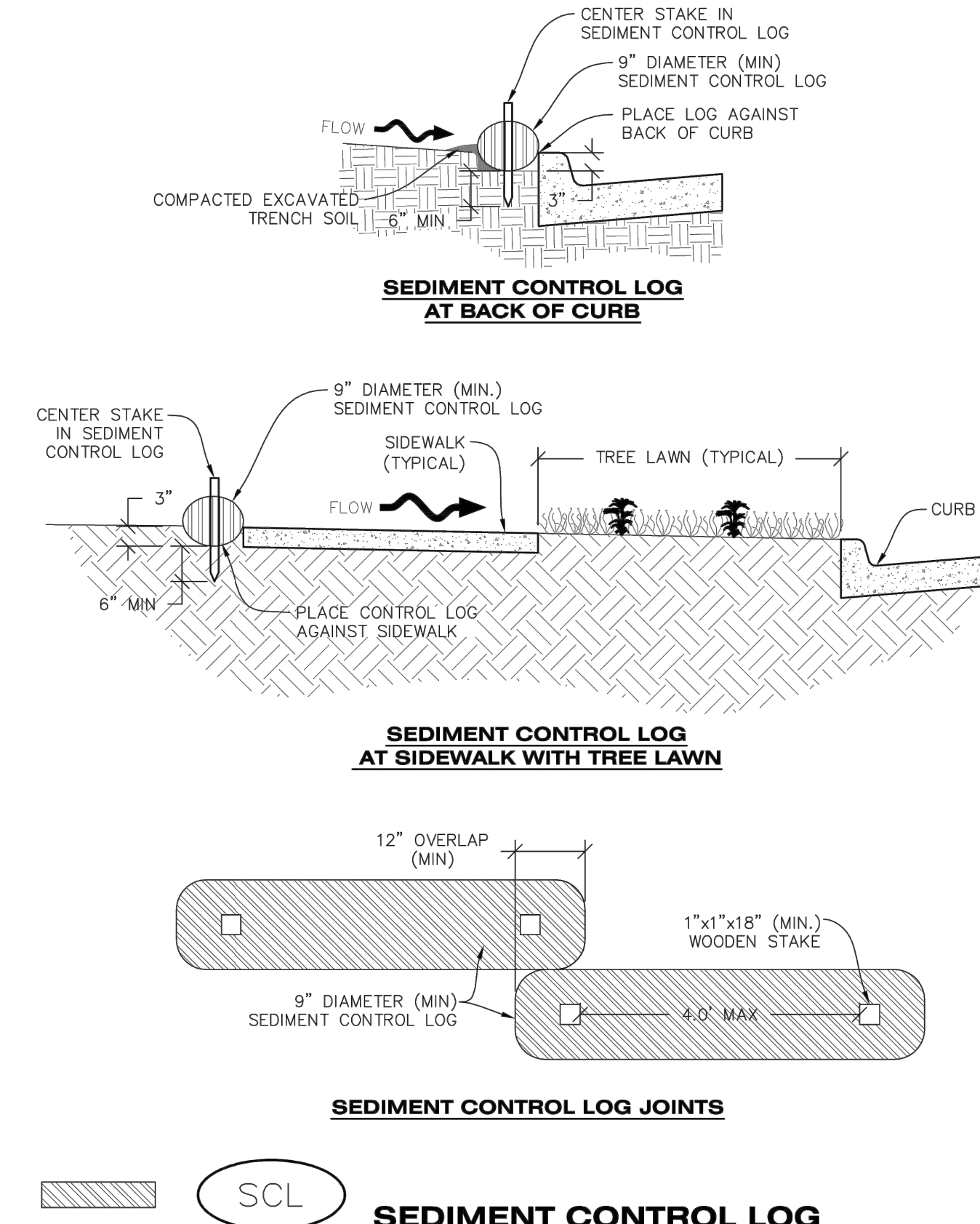
Mechanical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Electrical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

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



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



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

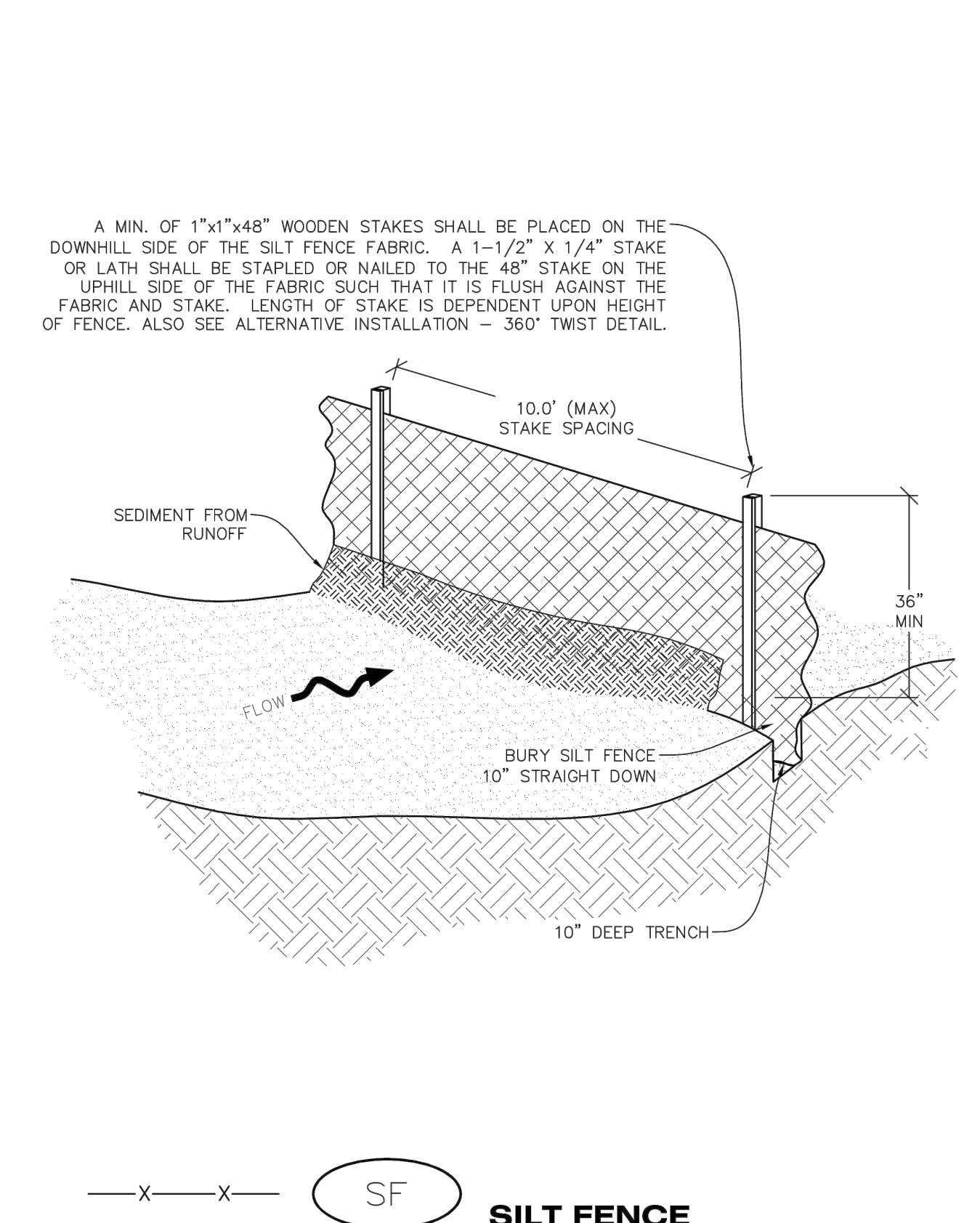
SEDIMENT CONTROL LOG INSTALLATION NOTES

- 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.



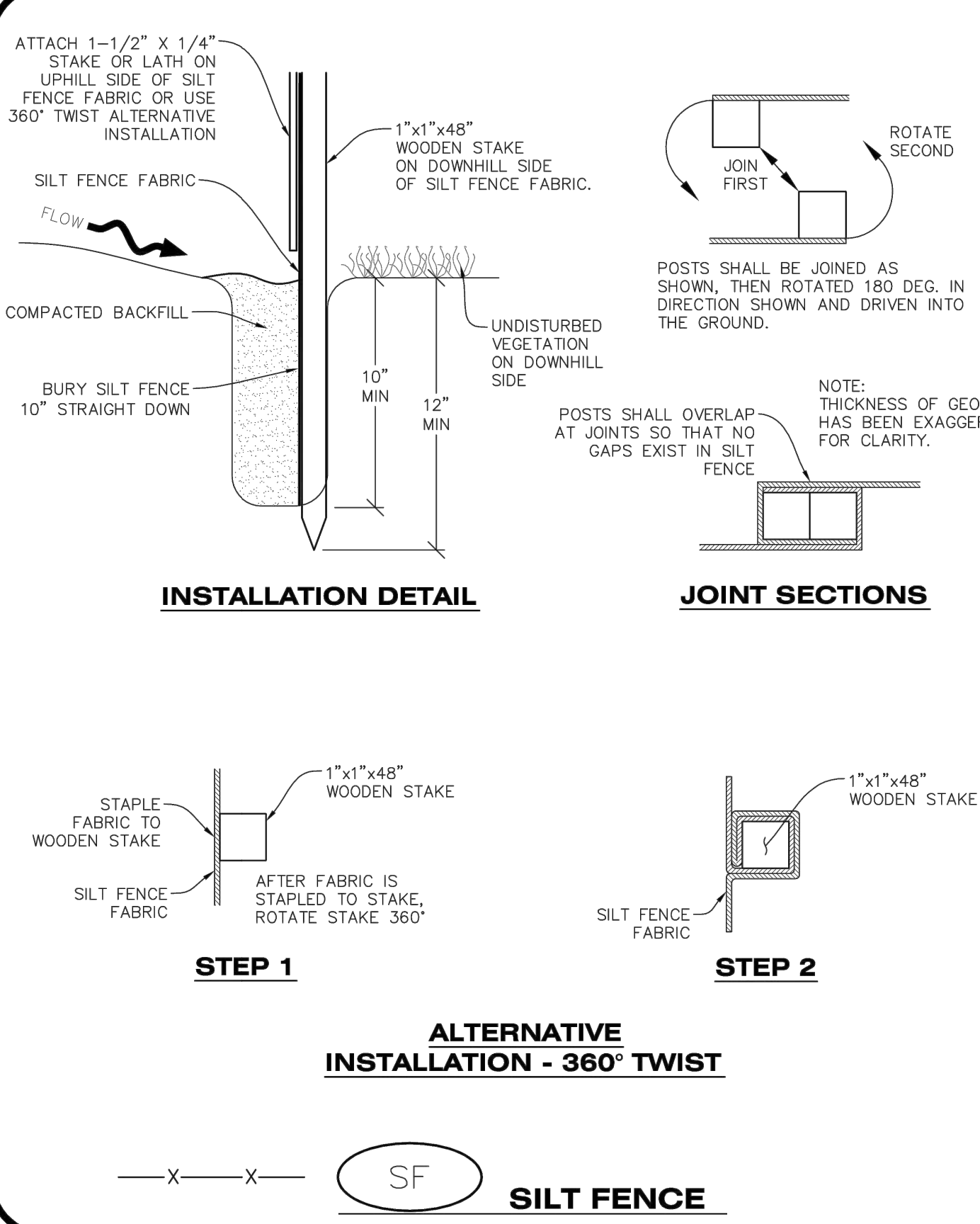
CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES
SCL 1 OF 3
Oct. 2013

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

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

CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES
SF 1 OF 4
Oct. 2013

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



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.

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

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).

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

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

- 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 SEEDED SHALL BE SURFACE ROUGHENED ACCORDING TO THE SURFACE ROUGHENING NOTES OR EFFECTIVELY ROUGHENED USING A HARROW OR OTHER SUCH IMPLEMENT. ALL AREAS SHALL BE UNIFORMLY HAND BROADCASTED WITH THE PROPER SEED MIX APPLIED AT TWO TIMES THE DRILL SEEDED RATE. BROADCASTED AREAS SHALL THEN BE RE-HARROWED OR RE-RAKED USING A HARD-TIPPED RAKE TO ENSURE THAT SEEDS ARE BURIED TO AN APPROXIMATE DEPTH OF 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 2 OF 4
Oct. 2013

CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES
SF 3 OF 4
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

This drawing is an instrument of service and shall remain the property of Short Elliot Hendrickson, Inc. (SEH). This drawing and the concepts and ideas contained herein shall not be used, reproduced, modified, or retained without the express written approval of SEH.

SEH Project Checked By Drawn By

Project Status TOWN REVIEW TOWN REVIEW TOWN REVIEW

Issue Date 8/26/2020 1/22/2021 3/22/2021

Revision Issue

Rev. #	Description	Date
1	TOWN COMMENTS	1/22/2021
2	TOWN COMMENTS	3/22/2021

CBMP DETAILS
1
C3.8

Save: 3/23/2021 7:22 AM kglendenning Plot: 3/23/2021 7:29 AM X:\KON\N\H\OAC\1562175-final\design15-drawings\10-Civil\caddwg\sheet\Site\Plane\C3_NHOAC156217_Erosion Control Plan.dwg

NOT FOR CONSTRUCTION

Owner
New Horizon Academy
3405 Annapolis Lane
N., Suite 100
Plymouth, MN 55447
763.557.1111

Architect
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Landscape Architect
Short Elliot Hendrickson, Inc.
10901 Red Circle Drive
Suite 300
Minnetonka, MN 55343
952.912.2800

Civil Engineer
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Structural Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Mechanical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Electrical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

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

SEEDING AND MULCHING MAINTENANCE NOTES

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

WEED MANAGEMENT

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

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

TOWN OF PARKER, SEED MIX 1

- 20% CANADA WILDRYE
- 15% CRESTED WHEATGRASS
- 15% SLENDER WHEATGRASS
- 10% ANNUAL RYEGRASS
- 10% SHEEP FESCUE
- 10% BIG BLUESTEM
- 10% SIDEOATS GRAMA
- 5% CANADA BLUEGRASS
- 5% BLUE GRAMA

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

TOWN OF PARKER, SEED MIX 2

- 22% SLENDER WHEATGRASS
- 18% SODAR STREAMBANK WHEATGRASS
- 13% ARIZONA FESCUE
- 13% BLUE GRAMA
- 12% BUFFALOGRASS
- 12% BARLEY OR OATS
- 5% SPIKE MUHLY
- 5% INDIAN RICEGRASS

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

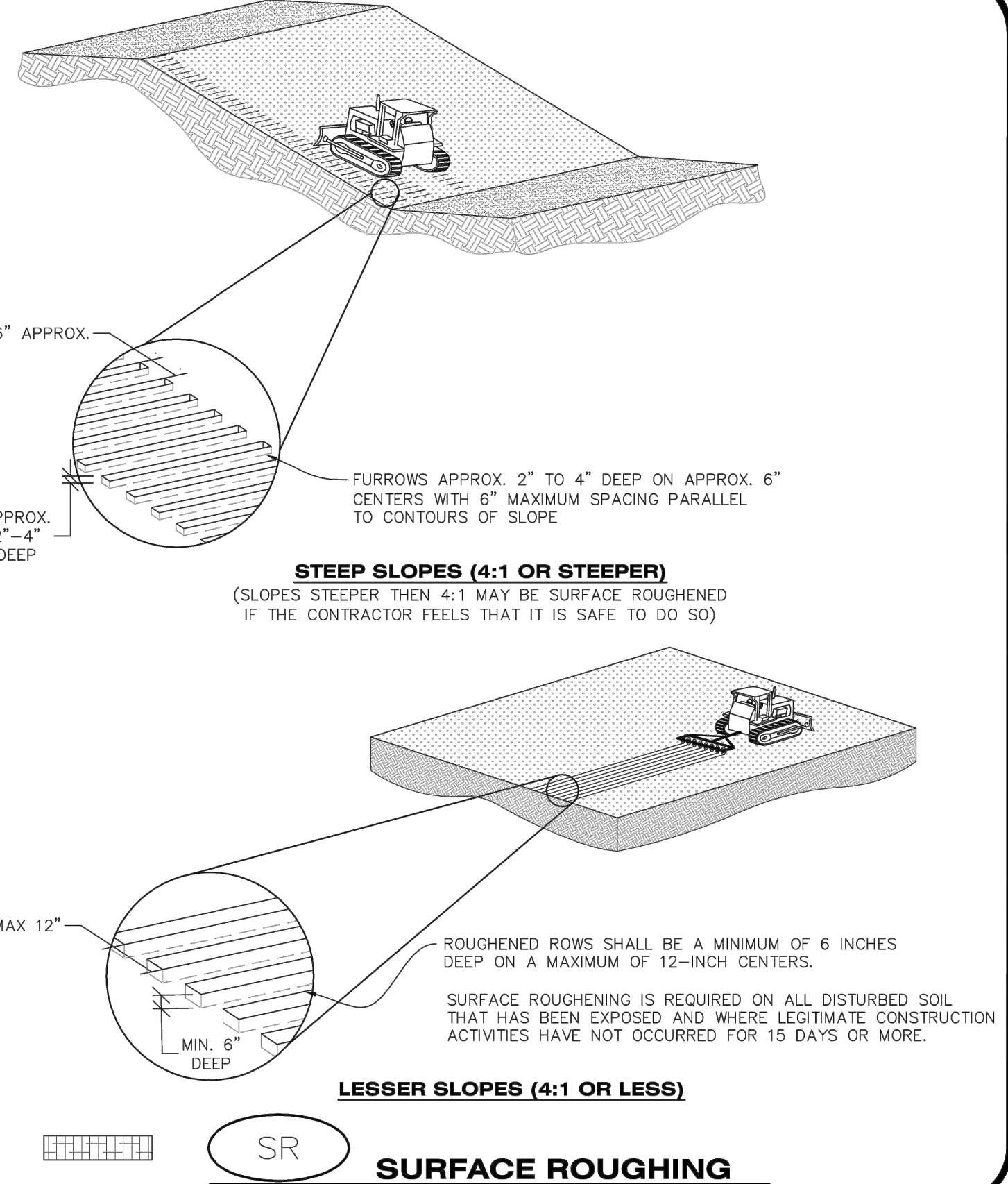
TOWN OF PARKER, SEED MIX 3 (LOW-GROWTH MIX)

- 25% EPHRAIM CRESTED WHEATGRASS
- 23% SHEEP FESCUE
- 18% PERENNIAL RYEGRASS
- 13% CANADA BLUEGRASS
- 12% BARLEY OR OATS
- 9% BLUE FESCUE

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

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

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



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 PERMITTEE 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.

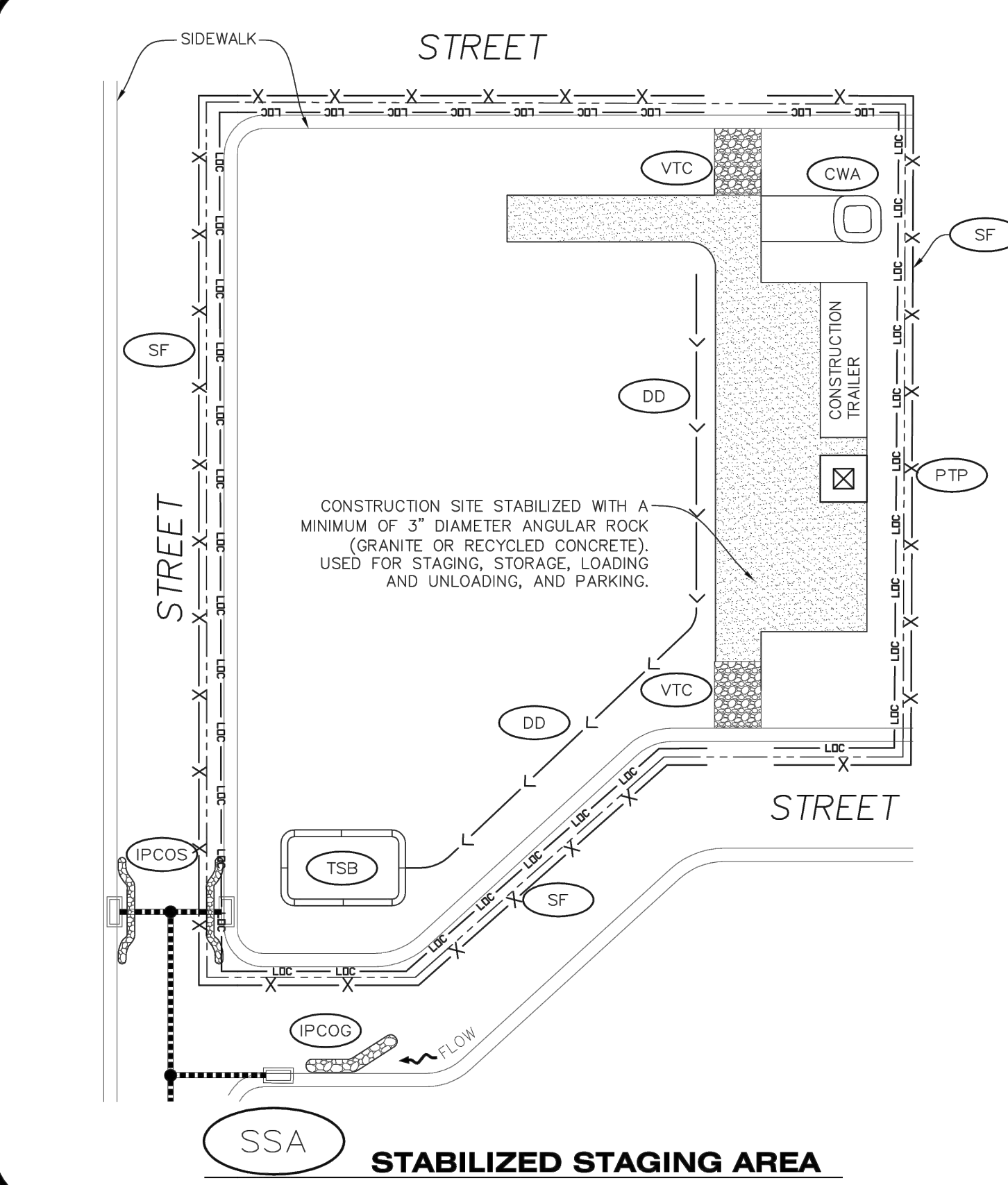
CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES
SMC
2 OF 3
Oct. 2013

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

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

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

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



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

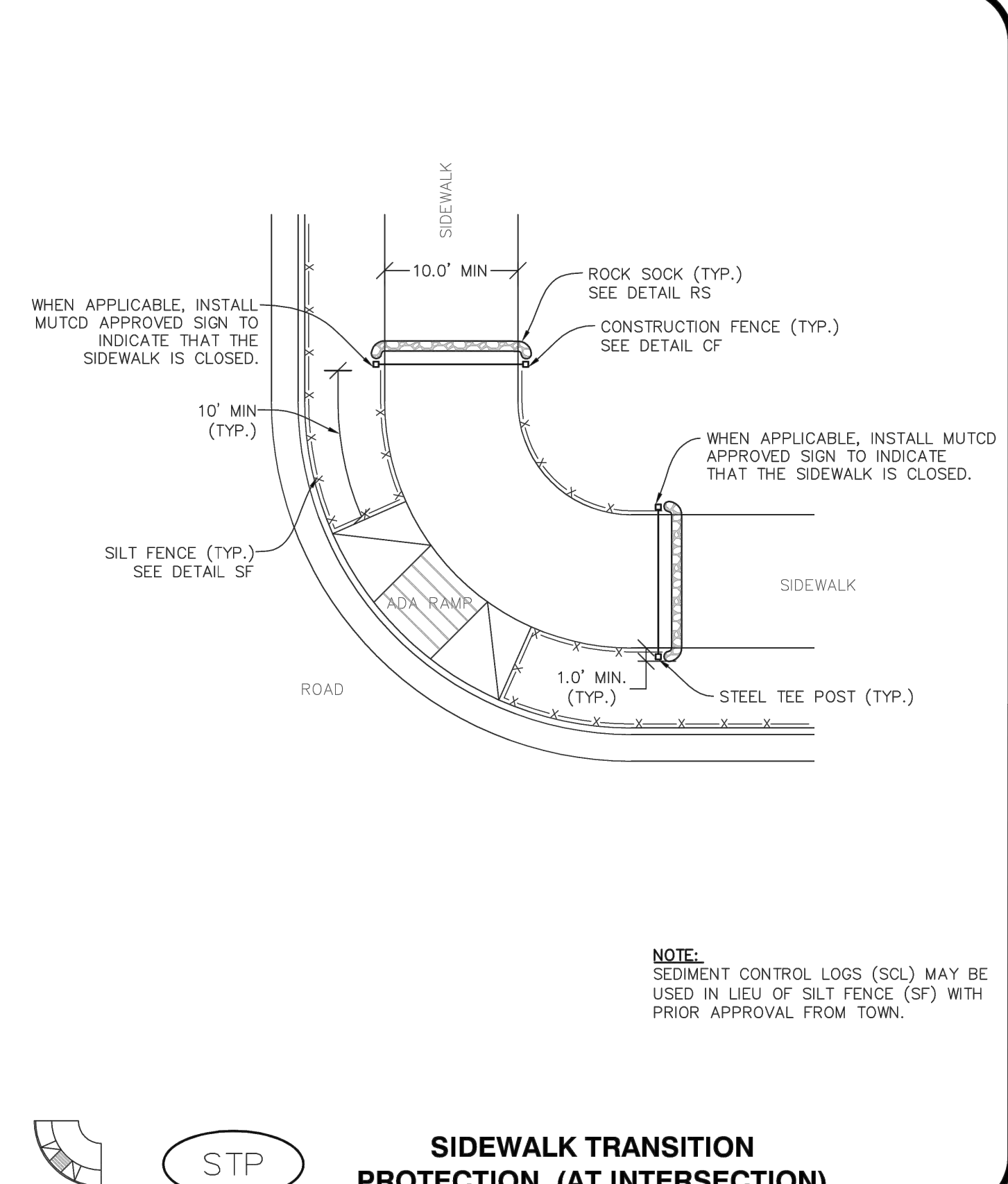
STABILIZED STAGING AREA INSTALLATION NOTES

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

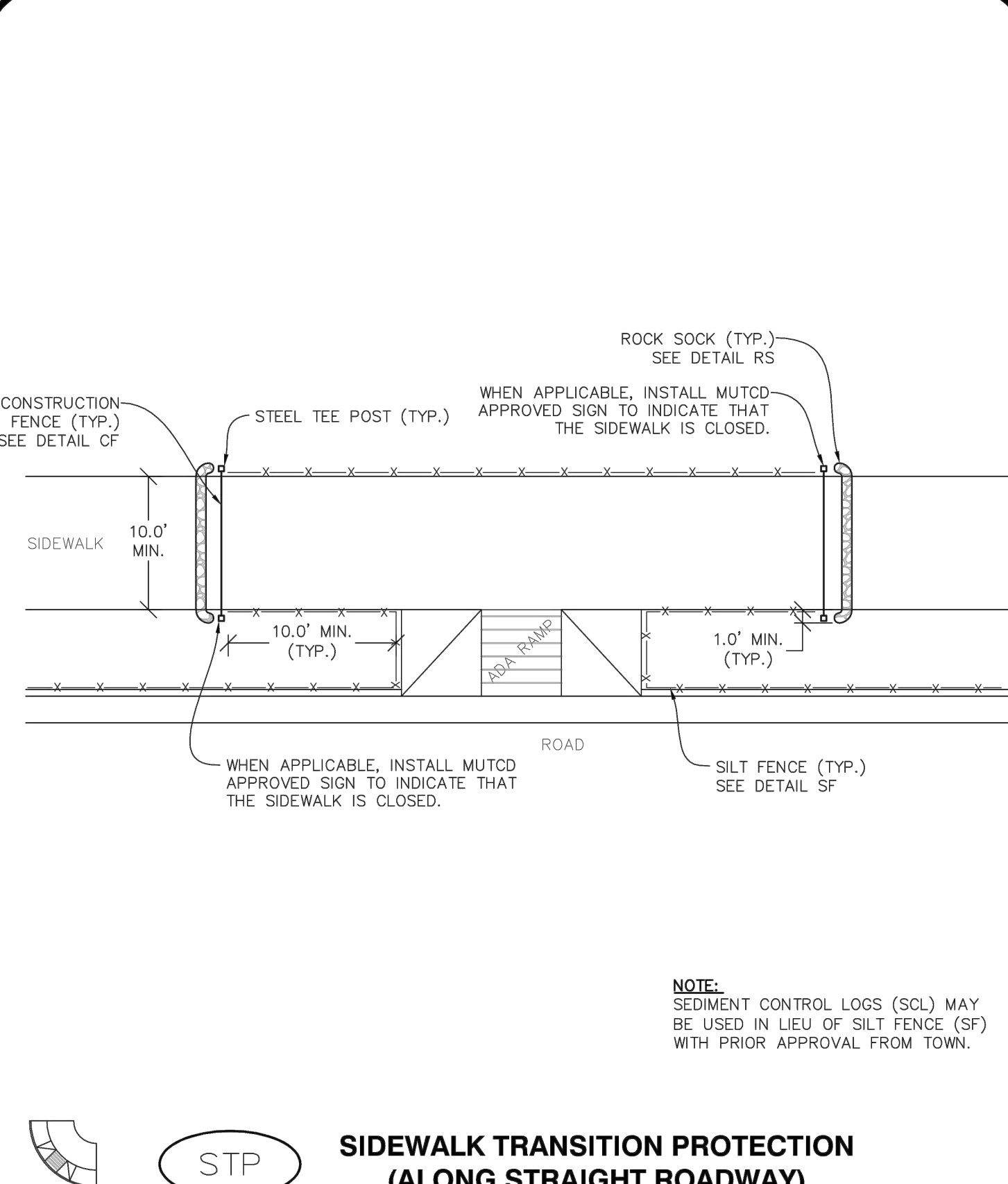
STABILIZED STAGING AREA INSPECTION AND MAINTENANCE NOTES

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

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



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



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

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

CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES
STP
1 OF 3
Oct. 2013

CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES
STP
2 OF 3
Oct. 2013

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

This drawing is an instrument of service and shall remain the property of Short Elliot Hendrickson, Inc. (SEH). This drawing and the concepts and ideas contained herein shall not be used, reproduced, copied, or altered without the express written approval of SEH.

SEH Project Checked By Drawn By

NHOAC 156217
DEH
AMP

Project Status Issue Date
TOWN REVIEW 8/26/2020
TOWN REVIEW 1/22/2021
TOWN REVIEW 3/22/2021

Rev. #	Description	Date
1	TOWN COMMENTS	1/22/21
2	TOWN COMMENTS	3/22/21

CBMP DETAILS

1

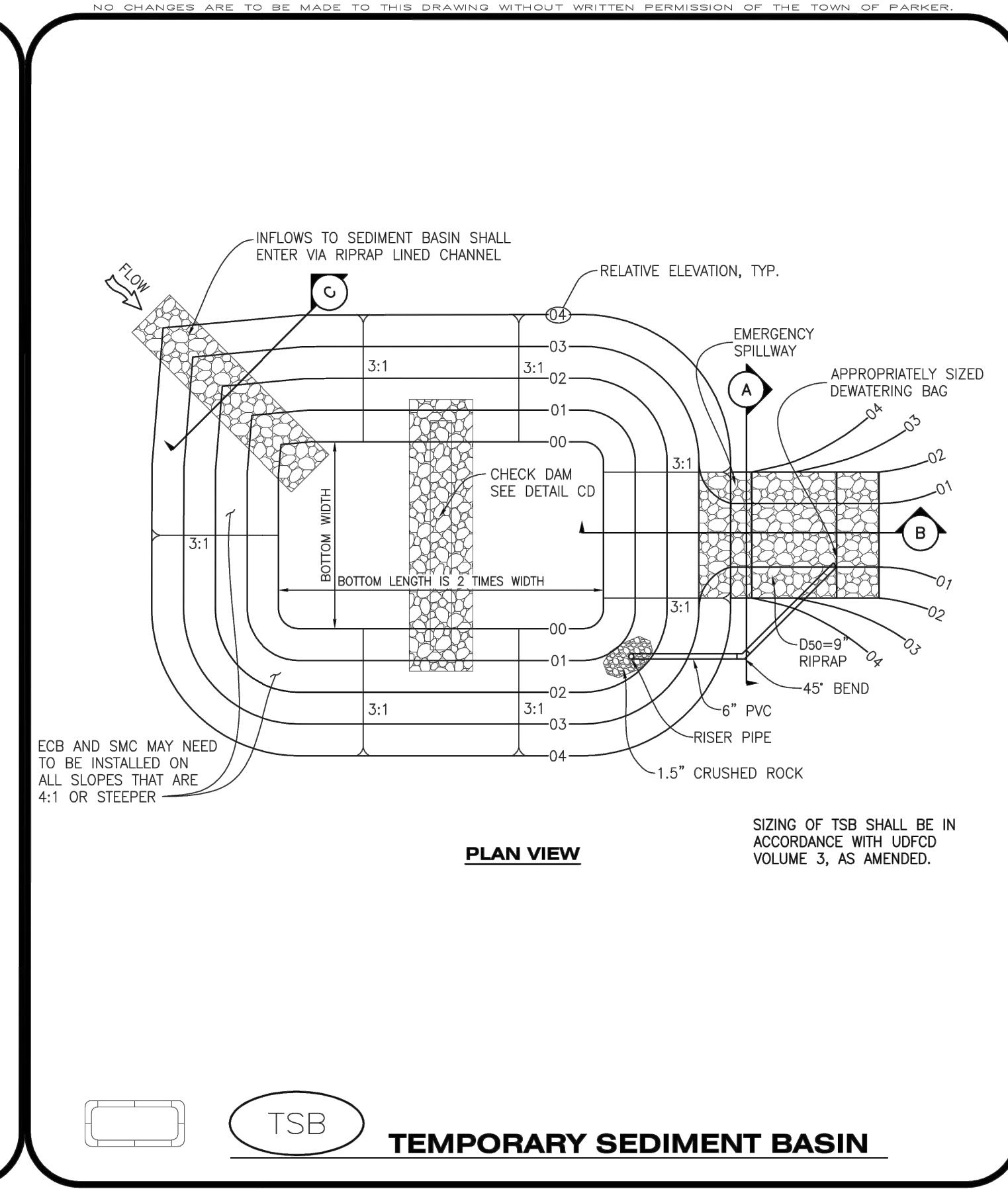
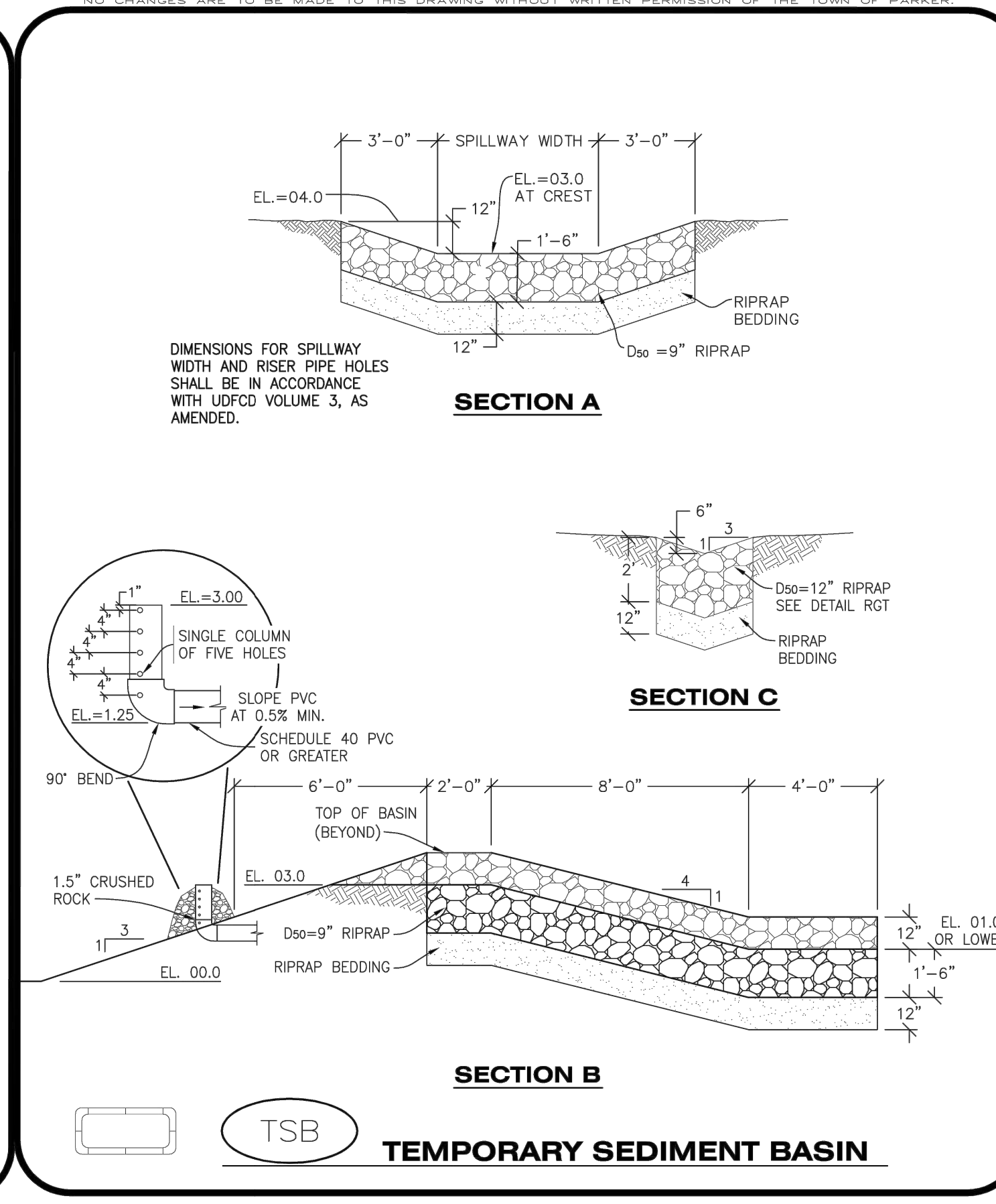
C3.9

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.



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

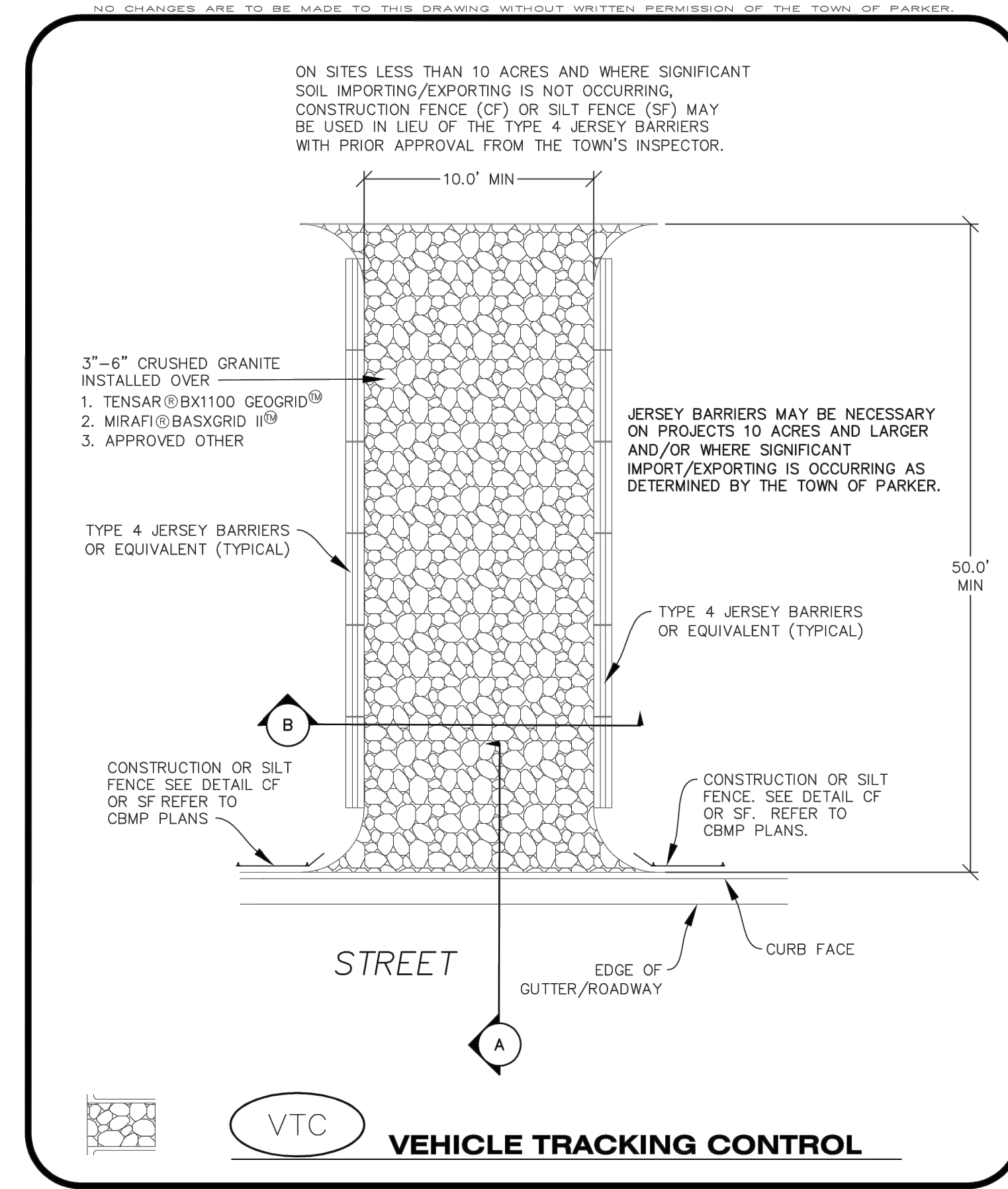
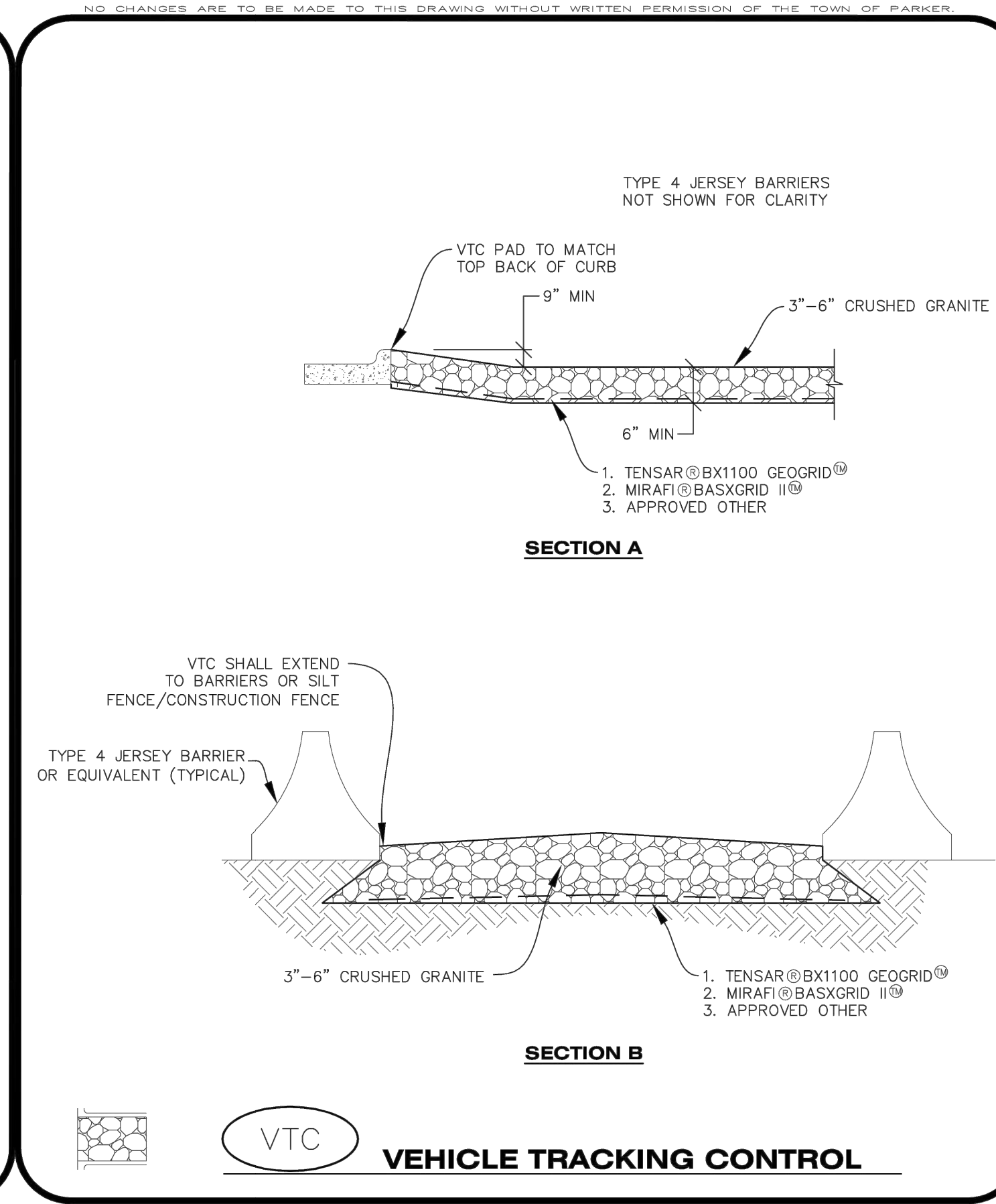
- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE SIDEWALK TRANSITION INSPECTION.

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

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

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

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

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

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

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



Building a Better World for All of Us®

NOT FOR CONSTRUCTION

Owner
New Horizon Academy
3405 Annapolis Lane
N., Suite 100
Plymouth, MN 55447
763.557.1111

Architect
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Landscape Architect
Short Elliott Hendrickson, Inc.
10901 Reed Circle Drive
Suite 300
Minnetonka, MN 55343
952.912.2600

Civil Engineer
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Structural Engineer
Short Elliott Hendrickson, Inc.
3535 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Mechanical Engineer
Short Elliott Hendrickson, Inc.
3535 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Electrical Engineer
Short Elliott Hendrickson, Inc.
3535 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

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

This drawing is an instrument of service and shall remain the property of Short Elliott Hendrickson, Inc. (SEH). This drawing and the concepts and ideas contained herein shall not be used, reproduced, revised, or retained without the express written approval of SEH.

Submission or distribution of this drawing to meet official or regulatory requirements or for other purposes in connection with the project is not to be construed as publication in derogation of any of the rights of SEH.

SEH Project
Checked By
Drawn By

NHOAC 156217
DRH
AMP

Project Status
TOWN REVIEW
TOWN REVIEW
TOWN REVIEW

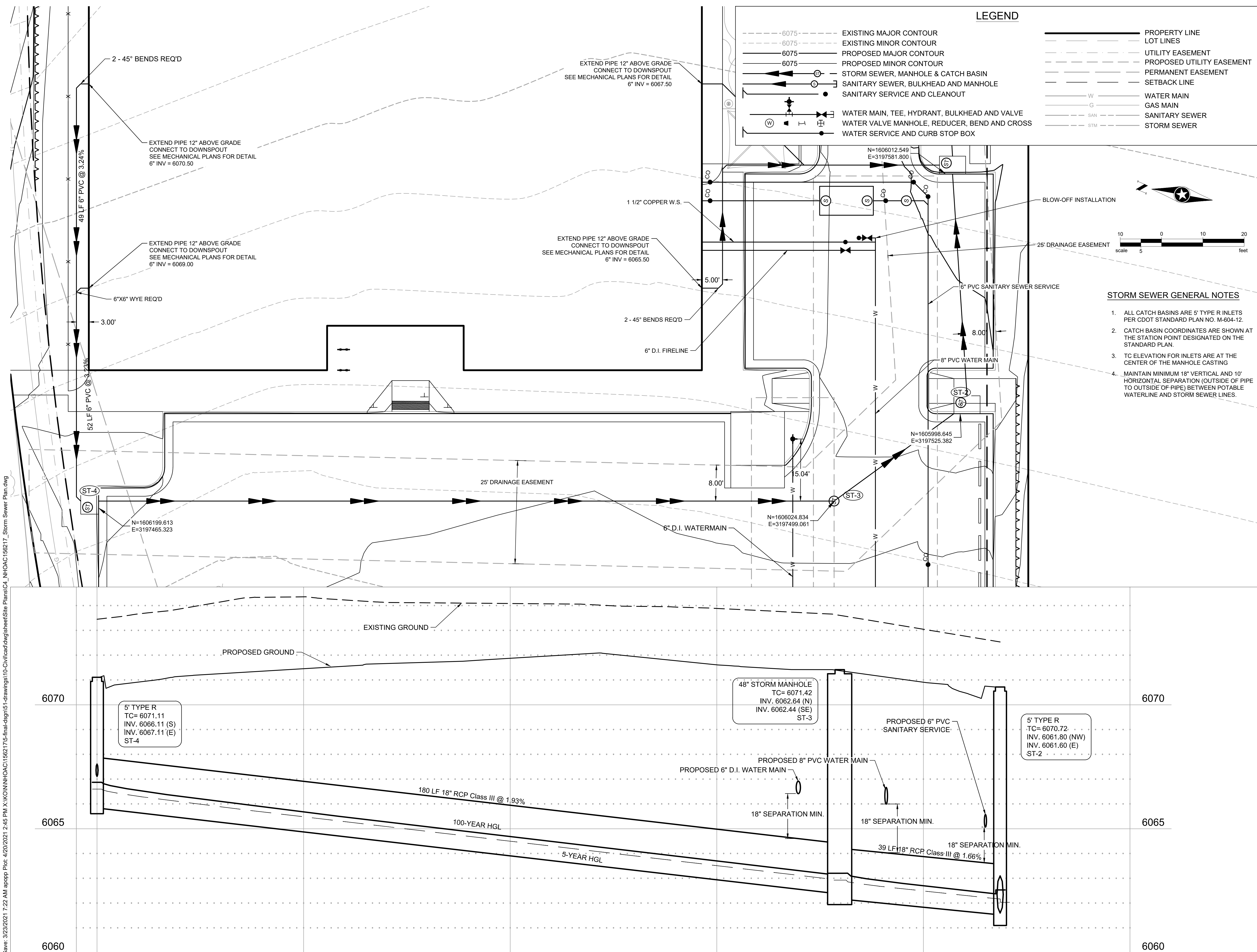
Issue Date
8/26/2020
1/22/2021
3/22/2021

Revision Issue
Rev. # Description Date
1 TOWN COMMENTS 1/22/21
2 TOWN COMMENTS 3/22/21

STORM SEWER PLAN -
PARKING LOT

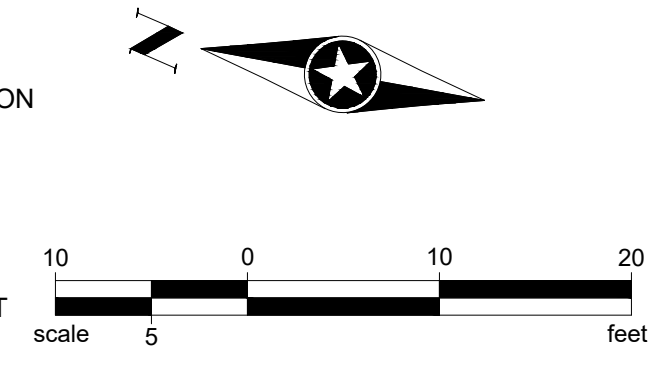
2

C4.0



LEGEND

- - - - -6075- EXISTING MAJOR CONTOUR
- - - - -6075- EXISTING MINOR CONTOUR
- 6075— PROPOSED MAJOR CONTOUR
- 6075— PROPOSED MINOR CONTOUR
- (S) — STORM SEWER, MANHOLE & CATCH BASIN
- (S) — SANITARY SEWER, BULKHEAD AND MANHOLE
- (S) — SANITARY SERVICE AND CLEANOUT
- (W) — WATER MAIN, TEE, HYDRANT, BULKHEAD AND VALVE
- (W) — WATER VALVE MANHOLE, REDUCER, BEND AND CROSS
- (W) — WATER SERVICE AND CURB STOP BOX
- — 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



- 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.

Save: 3/23/2021 7:22 AM appopp Plot: 4/20/2021 2:45 PM X:\KONN\NHOAC\156217\5-final-dsgn\51-drawings\10-Civil\load\sheet\Site Plans\CL_NHOAC\156217_Storm Sewer Plan.dwg

**NOT FOR
CONSTRUCTION**

Owner
New Horizon Academy
3405 Annapolis Lane
N., Suite 100
Plymouth, MN 55447
763.557.1111

Architect
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Landscape Architect
Short Elliott Hendrickson, Inc.
10901 Red Circle Drive
Suite 300
Minnetonka, MN 55343
952.912.2600

Civil Engineer
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Structural Engineer
Short Elliott Hendrickson, Inc.
3535 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Mechanical Engineer
Short Elliott Hendrickson, Inc.
3535 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Electrical Engineer
Short Elliott Hendrickson, Inc.
3535 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

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

This drawing is an instrument of service and shall remain the property of Short Elliott Hendrickson, Inc. (SEH). This drawing and the concepts and ideas contained herein shall not be used, reproduced, revised, or retained without the express written approval of SEH.

Submission or distribution of this drawing to meet official or regulatory requirements or for other purposes in connection with the project is not to be construed as publication in derogation of any of the rights of SEH.

SEH Project NHOAC 156217
Checked By DRH
Drawn By AMP

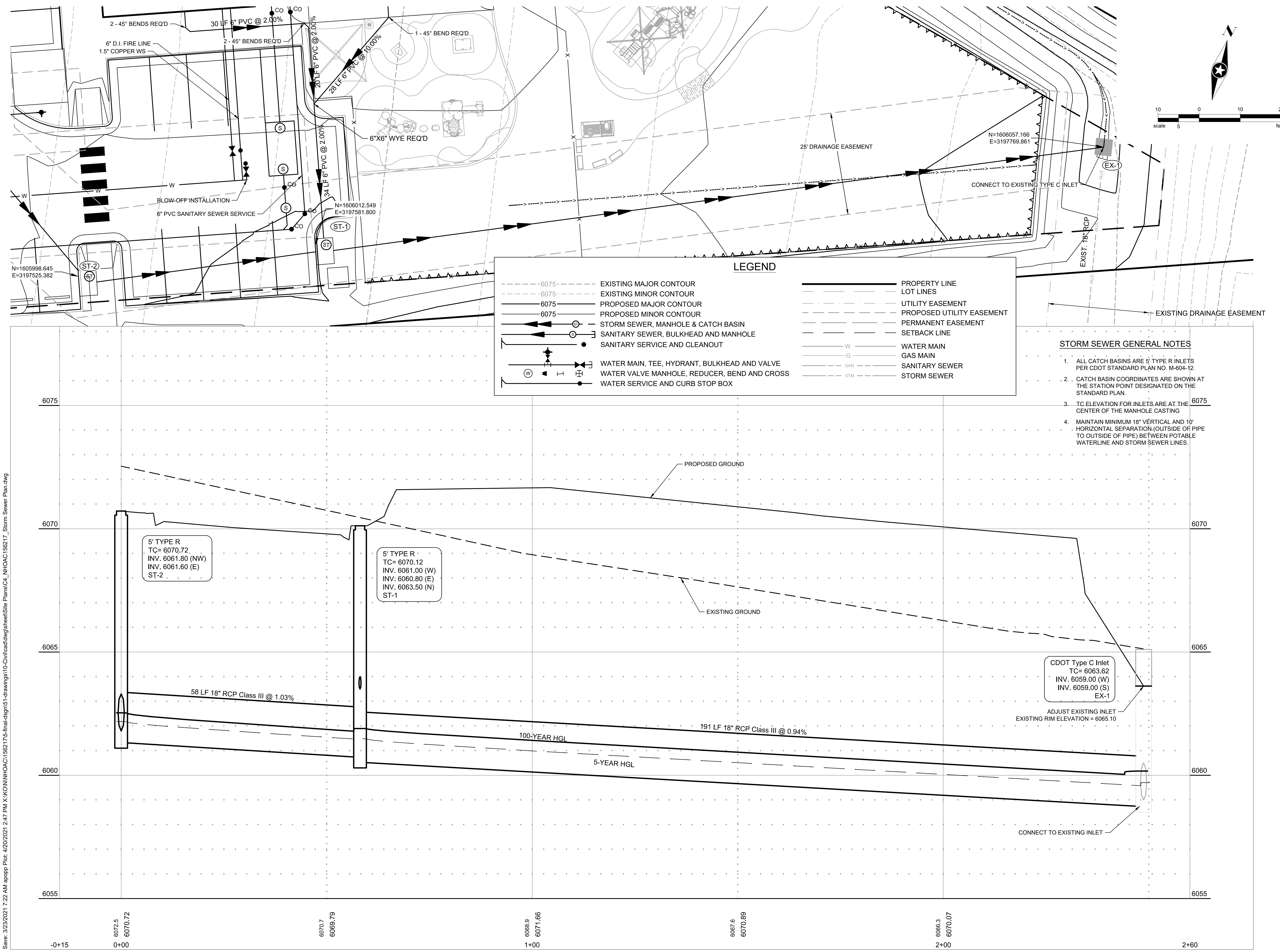
Project Status Issue Date
TOWN REVIEW 8/26/2020
TOWN REVIEW 1/22/2021
TOWN REVIEW 3/22/2021

Revision Issue
Rev. # Description Date
1 TOWN COMMENTS 1/22/21
2 TOWN COMMENTS 3/22/21

**STORM SEWER PLAN -
PLAYGROUND**

2

C4.1



Save: 3/23/2021 7:22 AM appop Plot: 4/20/2021 2:47 PM X:\KONNINHOAC\156217\5-final-dsgn\51-drawings\10-Civil\cadd\dwg\sheet\Site Plans\C4_NHOAC\156217_Storm Sewer Plan.dwg

NOT FOR CONSTRUCTION

Owner
New Horizon Academy
3405 Annapolis Lane
N. Suite 100
Plymouth, MN 55447
763.557.1111

Architect
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Landscape Architect
Short Elliot Hendrickson, Inc.
10900 Red Circle Drive
Suite 300
Minnetonka, MN 55343
952.912.2800

Civil Engineer
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Structural Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Mechanical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Electrical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Electrical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

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

This drawing is an instrument of service and shall remain the property of Short Elliot Hendrickson, Inc. (SEH). This drawing and the concepts and ideas contained herein shall not be used, reproduced, copied, or retained without the express written approval of SEH.

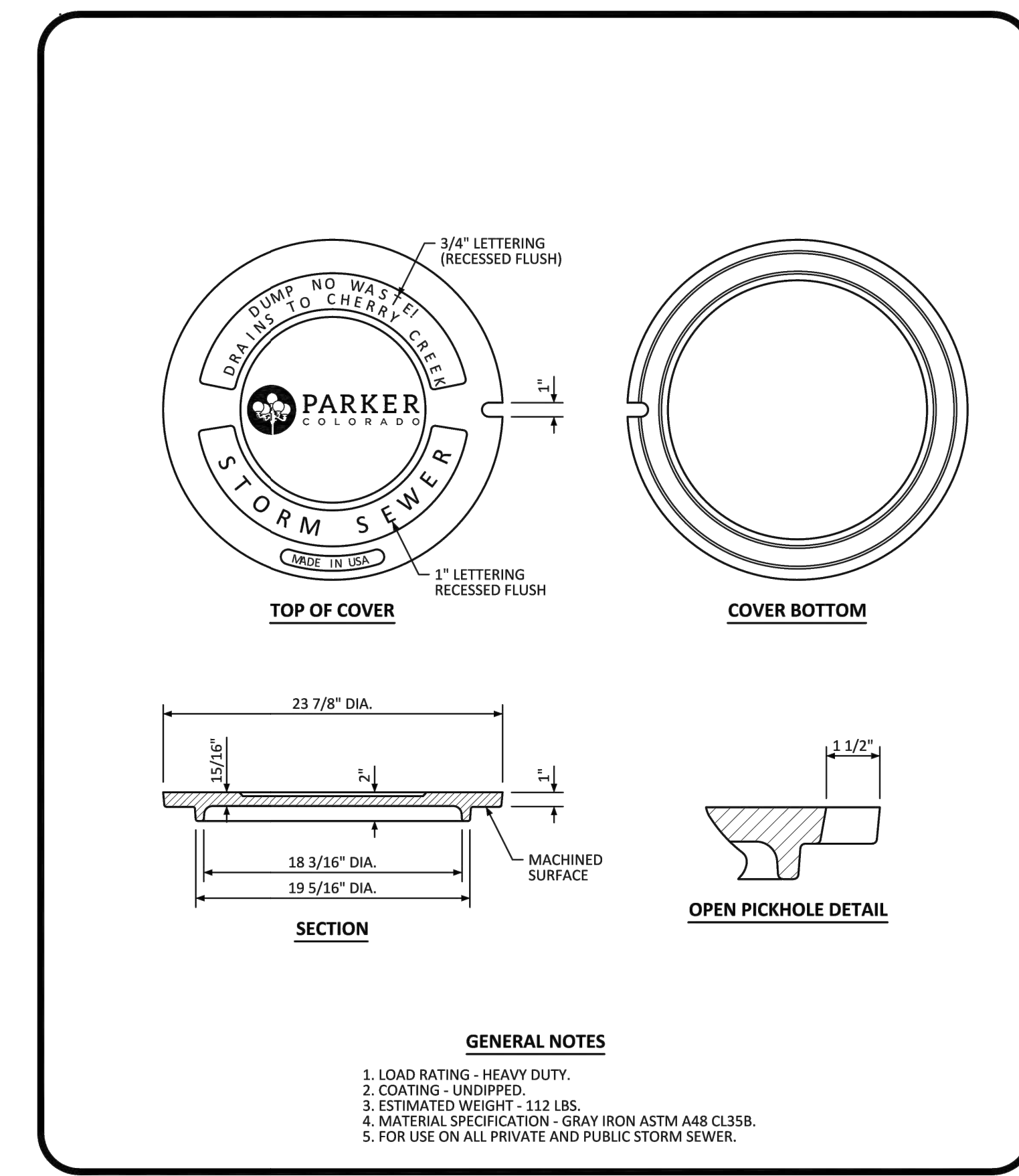
SEH Project Checked By: DDH
Drawn By: AMP

Project Status: TOWN REVIEW
Issue Date: 8/26/2020
TOWN REVIEW
Issue Date: 1/22/2021
TOWN REVIEW
Issue Date: 3/22/2021

Revision Issue
1: TOWN COMMENTS
2: TOWN COMMENTS

STORM SEWER DETAILS

C4.2



GENERAL NOTES

- LOAD RATING - HEAVY DUTY.
- COATING - UNDRIPPED.
- ESTIMATED WEIGHT - 112 LBS.
- MATERIAL SPECIFICATION - GRAY IRON ASTM A48 CLASS B.
- FOR USE ON ALL PRIVATE AND PUBLIC STORM SEWER.

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

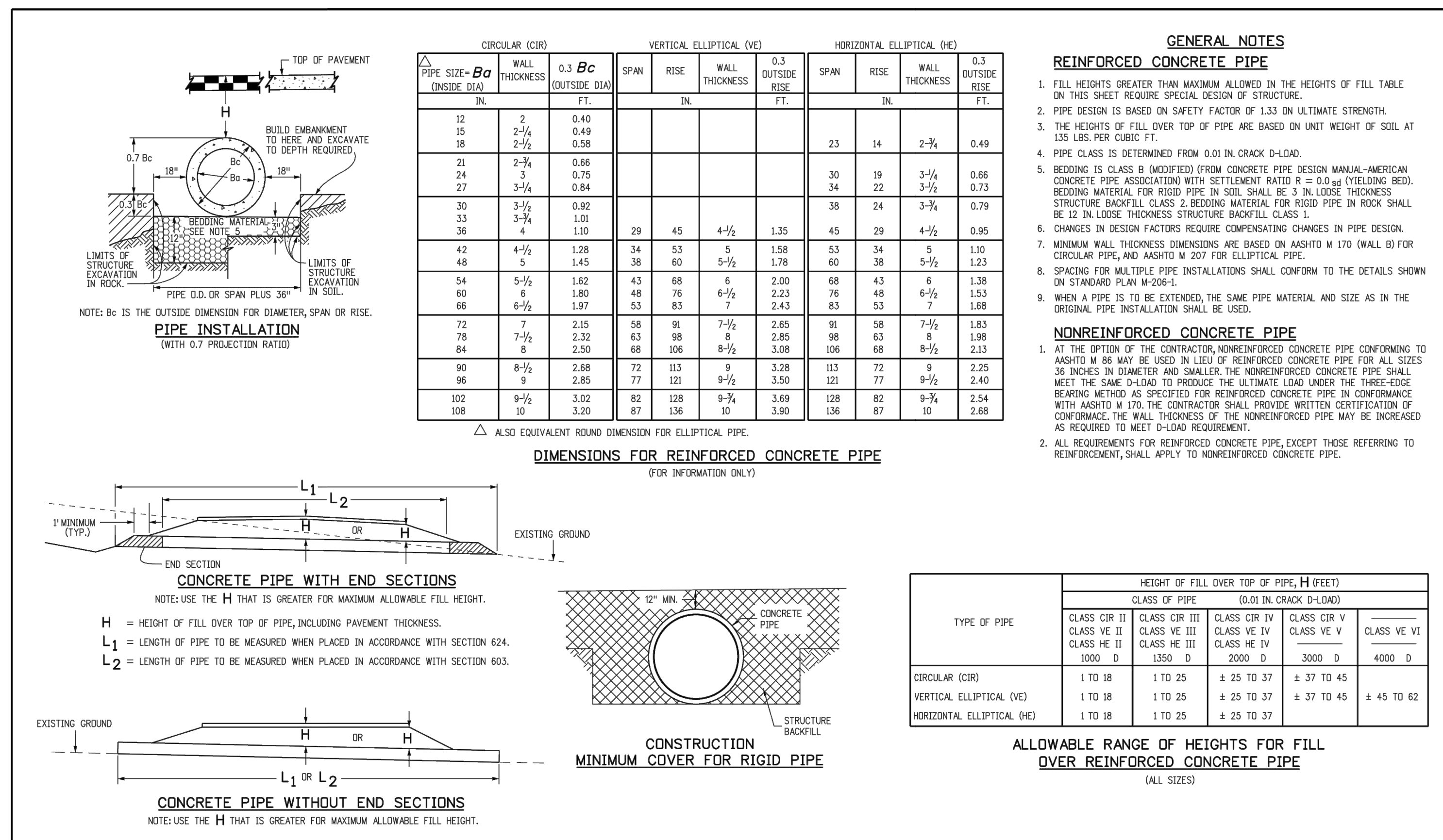
PARKER COLORADO

MANHOLE COVER STANDARD DETAIL

DATE: DECEMBER 2016

DETAIL: 33

1 OF 1



Computer File Information

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

Sheet Revisions

Date:	Comments:

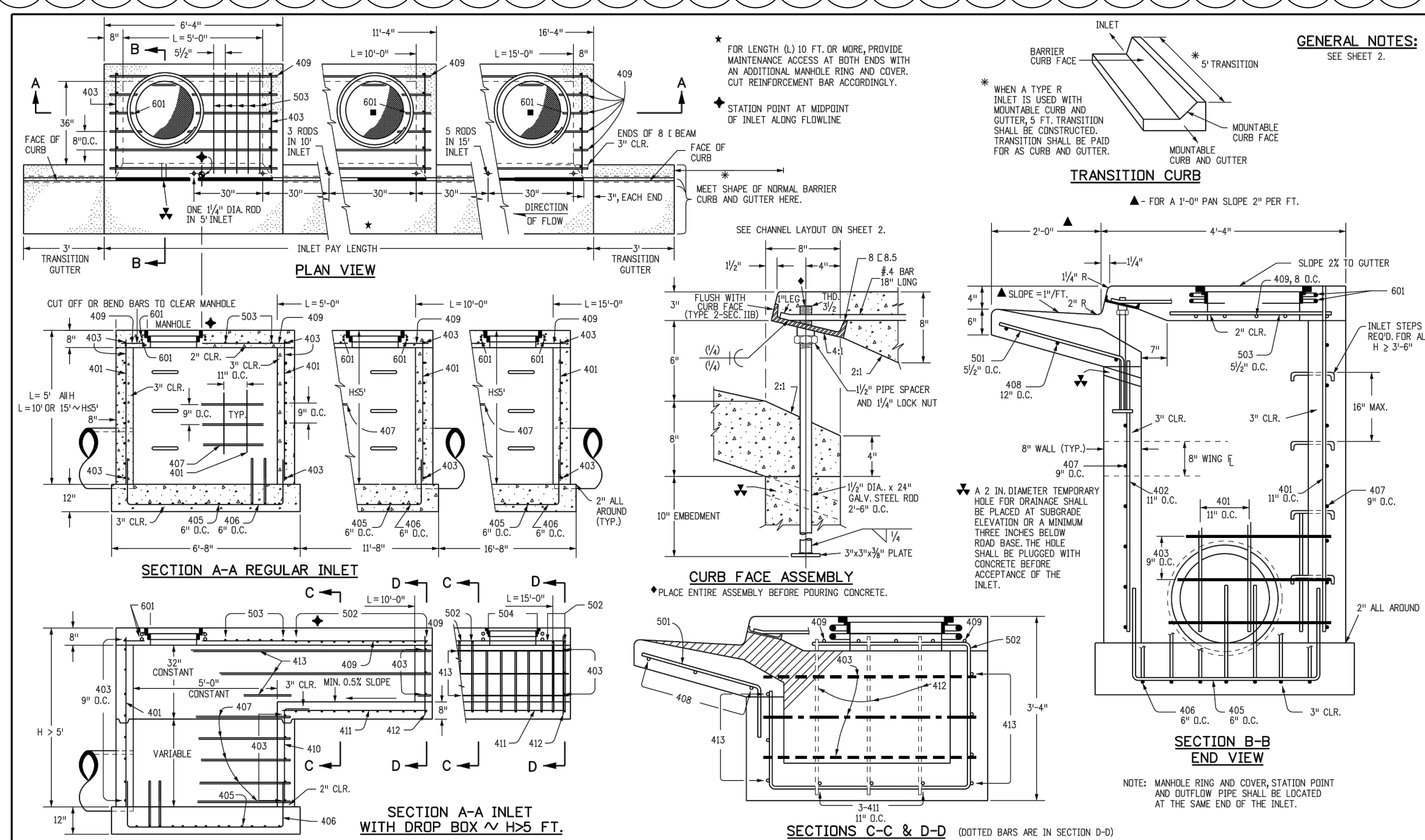
Colorado Department of Transportation
2829 West Howard Place
CDOT HQ, 3rd Floor
Denver, CO 80204
Phone: 303-757-9021 FAX: 303-757-9888

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
Drawing File Name: 6040120102.dgn
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English

Sheet Revisions

Date:	Comments:

Colorado Department of Transportation
4201 East Arkansas Avenue
Denver, Colorado 80222
Phone: (303) 757-9083
Fax: (303) 757-9820

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 = 5 FT.	L = 10 FT.	L = 5 FT.	L = 10 FT.
401	4	11"	II	15	*	21	*	28	*
402	4	11"	II	7	*	13	*	18	*
403	4	9"	II	*	4'-0"	*	4'-0"	*	4'-0"
405	4	6"	VI	11	6'-10"	21	6'-10"	31	6'-10"
406	4	6"	VIII	7	8'-10"	7	13'-10"	7	18'-10"
407	4	9"	II	*	5'-10"	*	10'-10"	*	15'-10"
408	4	12"	II	3	8'-10"	3	11'-10"	3	18'-10"
409	4	8"	II	6	3'-10"	6	10'-10"	6	10'-10"
410	4	11"	VII						
411	4	11"	II					3	5'-2"
412	4	11"	II					3	2'-0"
413	4	9"	II					7	10'-10"
501	5	5 1/2"	IV	11	3'-4"	22	3'-4"	33	3'-4"
502	5	5 1/2"	III					11	11'-4"
503	5	5 1/2"	II	5	3'-6"	16	3'-6"	27	3'-6"
504	5	5 1/2"	IX					6	3'-6"
601	6	2 1/2"	V	2	8'-10"	2	8'-10"	2	8'-10"
602	6	2 1/2"	V	2	8'-10"	2	8'-10"	2	8'-10"

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"	15	11	4.4	375	7.0	633	9.7	875		
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	913		
7'-6"	7'-2"	20	17	5.3	450	7.8	684	10.9	926		
8'-0"	7'-8"	22	19	5.5	451	8.0	697	11.2	939		
8'-6"	8'-2"	24	21	5.7	471	8.2	710	11.5	952		
9'-0"	8'-8"	24	21	6.0	479	8.4	723	11.8	965		
9'-6"	9'-2"	26	23	6.2	499	8.6	736	12.1	978		
10'-0"	9'-8"	28	25	6.4	520	8.8	749	12.4	991		
10'-6"	10'-2"	28	25	6.7	527	9.0	762	12.7	1004		
11'-0"	10'-8"	30	27	6.9	547	9.2	775	13.0	1017		

Computer File Information

Creation Date: 07/04/12
Last Modification Date: 07/04/12
Drawing File Name: 6040120102.dgn
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English

Sheet Revisions

Date:	Comments:

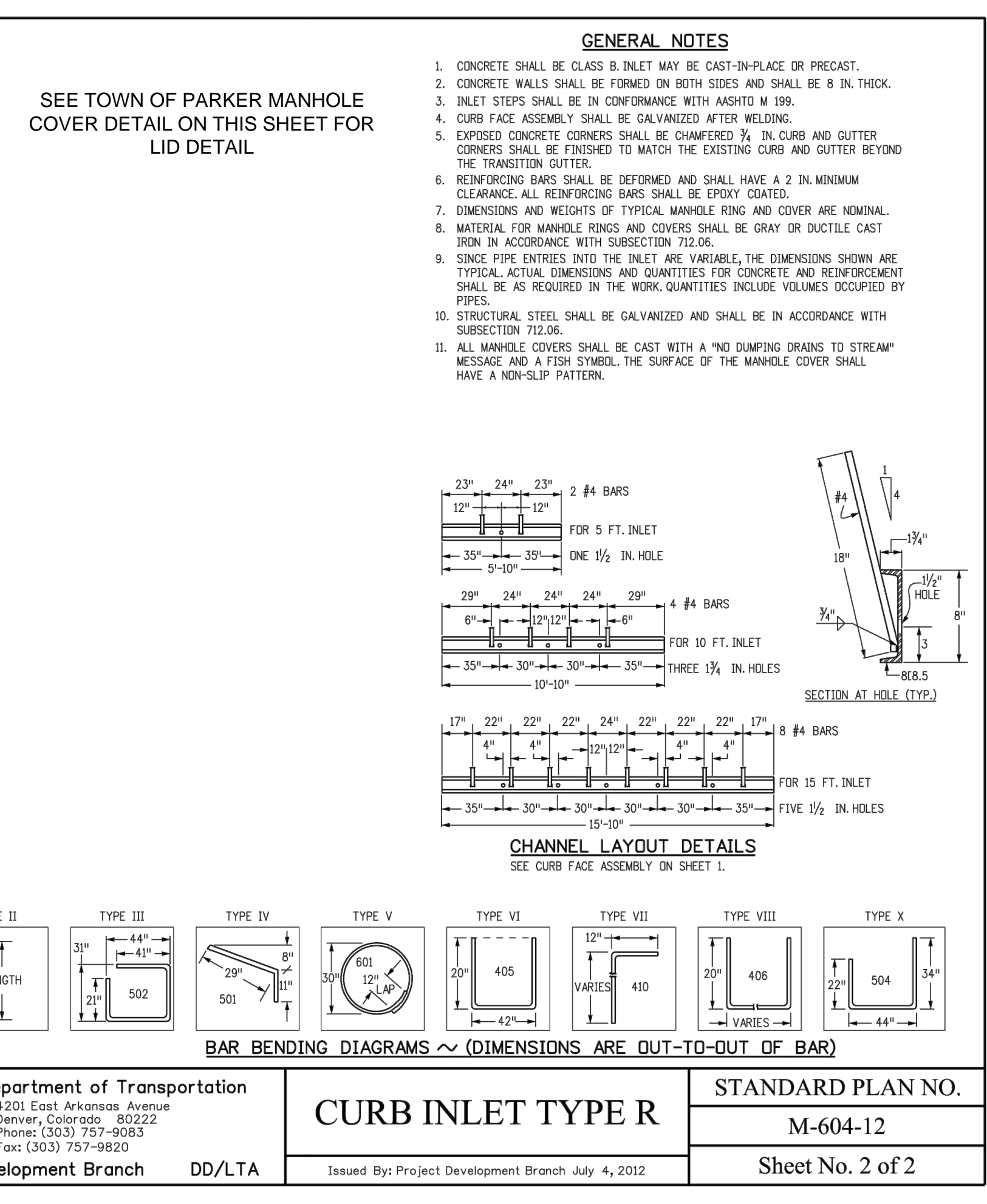
Colorado Department of Transportation
4201 East Arkansas Avenue
Denver, Colorado 80222
Phone: (303) 757-9083
Fax: (303) 757-9820

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



Save: 3/23/2021 7:22:AM appop Pic: 3/23/2021 7:30 AM X:\KONNHOC\156217-15-drawings\10-Civil\dwg\sheet\Plans\CL_NHOC\156217 - Storm Sewer Plan.dwg

NOT FOR CONSTRUCTION

Owner
New Horizon Academy
3405 Annapolis Lane
N, Suite 100
Plymouth, MN 55447
763.557.1111

Architect
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Landscape Architect
Short Elliot Hendrickson, Inc.
10901 Red Circle Drive
Suite 300
Minnetonka, MN 55343
952.912.2600

Civil Engineer
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Structural Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Mechanical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Electrical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

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

This drawing is an instrument of service and shall remain the property of Short Elliot Hendrickson, Inc. (SEH). This drawing and the concepts and ideas contained herein shall not be used, reproduced, copied, or retained without the express written approval of SEH.

SEH Project Checked By Drawn By

Project Status
TOWN REVIEW
TOWN REVIEW
TOWN REVIEW

Revision Issue
1 TOWN COMMENTS
2 TOWN COMMENTS

STORM SEWER DETAILS

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, SHAPE, SLOPE, AND DIRECTION OF FLOW. DETAILS SHOWN 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.

QUANTITIES FOR CONCRETE MANHOLE BOX BASE

MARK	SIZE	TYPE	WT. #/FT.	BARS	54"	60"	66"	72"	84"	96"	FORMULAS
401	4	I	0.668	(NO. REQ'D.) (LENGTH) (WEIGHT)	18 8.1 97.2	18 8.1 97.2	18 8.1 97.2	18 8.1 97.2	18 8.1 97.2	18 8.1 97.2	401 BAR LENGTH = 32" + 2W + I.D.
402	4	III	0.668	(NO. REQ'D.) (LENGTH) (WEIGHT)	5 2.3 18.1	5 2.3 18.1	5 2.3 18.1	5 2.3 18.1	5 2.3 18.1	5 2.3 18.1	402 BAR LENGTH = I.D. + 2W
501	5	I	1.043	(NO. REQ'D.) (LENGTH) (WEIGHT)	17 7.5 131.5	17 7.5 131.5	17 7.5 131.5	17 7.5 131.5	17 7.5 131.5	17 7.5 131.5	501 BAR LENGTH = 24" + I.D. + 2W
502	5	I	1.043	(NO. REQ'D.) (LENGTH) (WEIGHT)	22 9.5 114.7	22 9.5 114.7	22 9.5 114.7	22 9.5 114.7	22 9.5 114.7	22 9.5 114.7	502 NUMBER BARS REQ'D. = 3 + (24+I.D.+2W) / 5"
503	5	II	1.043	(NO. REQ'D.) (LENGTH) (WEIGHT)	16 7.1 114.2	16 7.1 114.2	16 7.1 114.2	16 7.1 114.2	16 7.1 114.2	16 7.1 114.2	503 NUMBER BARS REQ'D. = 2 (13+I.D.+2W) / 5"
504	5	I	1.043	(NO. REQ'D.) (LENGTH) (WEIGHT)	12 5.3 81.1	12 5.3 81.1	12 5.3 81.1	12 5.3 81.1	12 5.3 81.1	12 5.3 81.1	504 NUMBER BARS REQ'D. = 2 (2W+I.D.) / 5"
1101	11	I	5.313	(NO. REQ'D.) (LENGTH) (WEIGHT)	7-2" 3.0 15.2	7-9" 3.4 16.4	8-4" 3.8 17.7	8-11" 4.2 18.9	10-3" 4.6 21.3	11-3" 5.0 23.1	1101 BAR LENGTH = 21" + I.D. + 2W
1102	11	I	5.313	(NO. REQ'D.) (LENGTH) (WEIGHT)	2-8" 1.1 5.6	2-8" 1.1 5.6	2-8" 1.1 5.6	2-8" 1.1 5.6	2-8" 1.1 5.6	2-8" 1.1 5.6	1102 TYPE I
1103	11	I	5.313	(NO. REQ'D.) (LENGTH) (WEIGHT)	5-0" 2.1 10.5	5-0" 2.1 10.5	5-0" 2.1 10.5	5-0" 2.1 10.5	5-0" 2.1 10.5	5-0" 2.1 10.5	1103 TYPE II
				REINFORCING STEEL TOTAL		95.6	107.5	120.2	134.0	150.2	160.1
				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.

MANHOLE RING AND COVER

SECTION A-A
MANHOLE RING AND COVER
TOTAL WEIGHT: APPROXIMATELY 400 LBS. SHALL BE GRAY OR DUCTILE CAST IRON IN ACCORDANCE WITH SUBSECTION 712.06.

SECTION F-F
ADJUST MANHOLE 20 IN. OR LESS
MODIFY MANHOLE GREATER THAN 20 IN.

SECTION C-C
CAST-IN-PLACE SLAB BASE

SECTION E-E
PRECAST SLAB BASE

MANHOLE RISER DETAIL

LEGEND

- SUITABLE SUBGRADE
- GRANULAR BEDDING MATERIAL
- CONCRETE

PRECAST MANHOLE BASES NOTES:

- THE BASE SLAB SHALL BE POURED MONOLITHICALLY WITH BOTTOM RISER SECTION.
- PRECAST MANHOLE BASES SHALL FIT THE CONDITIONS AND LOCATIONS FOR WHICH THEY ARE INTENDED WITHOUT ANY FIELD MODIFICATIONS. ANY MANHOLE BASE WHICH REQUIRES FIELD CUTTING OR MODIFICATION IN ORDER TO FIT THE LOCATIONS INTENDED WILL BE REJECTED BY THE ENGINEER AND REMOVED AND REPLACED BY THE CONTRACTOR AT NO COST TO THE DEPARTMENT.
- PRECAST MANHOLE BASES SHALL BE BEDDED ON AN APPROVED GRANULAR BEDDING MATERIAL AS SHOWN ABOVE.

Computer File Information Creation Date: 07/04/12 Last Modification Date: 07/04/12 Full Path: www.coloradodot.info/business/designsupport Drawing File Name: M060402003.dgn CAD Ver.: MicroStation V8	Sheet Revisions Date: _____ Comments: _____	Colorado Department of Transportation 4201 East Arkansas Avenue Denver, Colorado 80222 Phone: (303) 757-9083 Fax: (303) 757-9820 Project Development Branch DD/LTA	STANDARD PLAN NO. M-604-20 Sheet No. 2 of 3
---	--	--	--

Computer File Information Creation Date: 07/04/12 Last Modification Date: 07/04/12 Full Path: www.coloradodot.info/business/designsupport Drawing File Name: 60402003.dgn CAD Ver.: MicroStation V8	Sheet Revisions Date: _____ Comments: _____	Colorado Department of Transportation 4201 East Arkansas Avenue Denver, Colorado 80222 Phone: (303) 757-9083 Fax: (303) 757-9820 Project Development Branch DD/LTA	STANDARD PLAN NO. M-604-20 Sheet No. 3 of 3
---	--	--	--



Building a Better World for All of Us®

NOT FOR CONSTRUCTION

Owner
New Horizon Academy
3405 Annapolis Lane
N., Suite 100
Plymouth, MN 55447
763.557.1111

Architect
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Landscape Architect
Short Elliot Hendrickson, Inc.
10901 Red Circle Drive
Suite 300
Minnetonka, MN 55343
952.912.2800

Civil Engineer
Short Elliot Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800

Structural Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Mechanical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

Electrical Engineer
Short Elliot Hendrickson, Inc.
3335 Vadnais Center Drive
St. Paul, MN 55110
651.490.2000

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

This drawing is an instrument of service and shall remain the property of Short Elliot Hendrickson, Inc. (SEH). This drawing and the concepts and ideas contained herein shall not be used, reproduced, copied, or retained without the express written approval of SEH.

SEH Project Checked By Drawn By

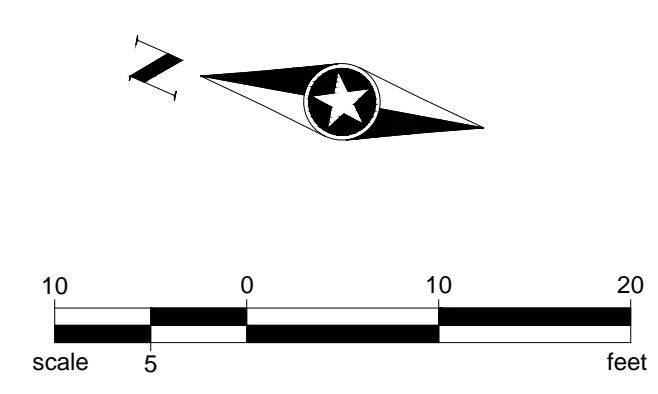
Project Status Issue Date
TOWN REVIEW 8/26/2020
TOWN REVIEW 1/22/2021
TOWN REVIEW 3/22/2021

Revision Issue
Rev. # Description Date
1 TOWN COMMENTS 1/22/21
2 TOWN COMMENTS 3/22/21

SIGNAGE PLAN

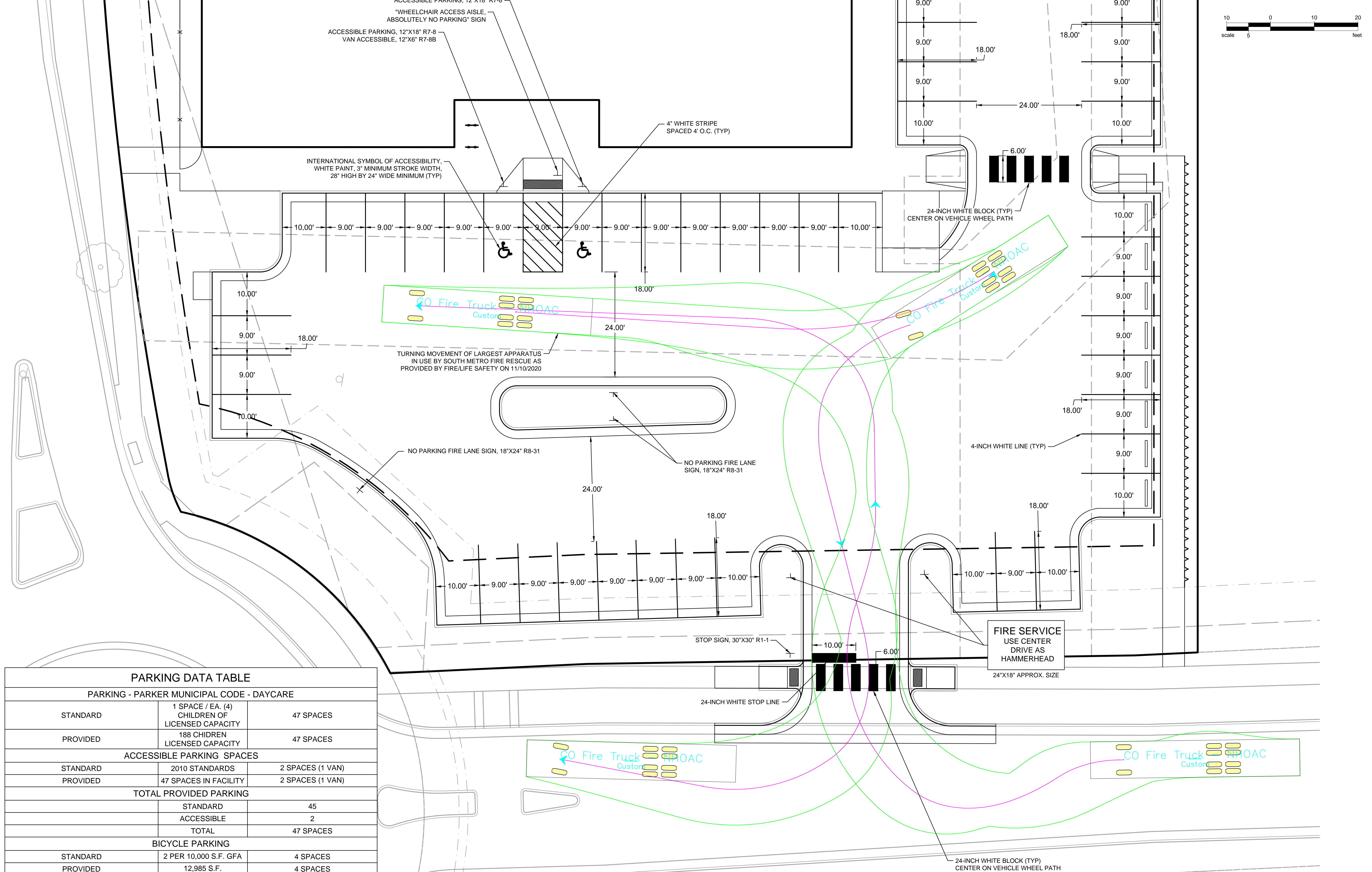
2

C5.0



LEGEND

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



PARKING DATA TABLE

PARKING - PARKER MUNICIPAL CODE - DAYCARE		
STANDARD	1 SPACE / EA. (4) CHILDREN OF LICENSED CAPACITY	47 SPACES
PROVIDED	188 CHILDREN LICENSED CAPACITY	47 SPACES
ACCESSIBLE PARKING SPACES		
STANDARD	2010 STANDARDS	2 SPACES (1 VAN)
PROVIDED	47 SPACES IN FACILITY	2 SPACES (1 VAN)
TOTAL PROVIDED PARKING		
	STANDARD	45
	ACCESSIBLE	2
	TOTAL	47 SPACES
BICYCLE PARKING		
STANDARD	2 PER 10,000 S.F. GFA	4 SPACES
PROVIDED	12,985 S.F.	4 SPACES

Save: 3/23/2021 7:21 AM appop Ploc: 3/23/2021 7:31 AM X:\KONN\NHOAC\1562175-final-dsgn\51-drawings\10-Civil\dwg\sheet\Site Plans\C5_NHOAC\156217_Signage Plan.dwg