CENTENNIAL RIDGE

AMBLESIDE SCHOOL

A PART OF NW 1/4 OF NW 1/4 OF SECTION 16, TOWNSHIP 6 SOUTH, RANGE 67 WEST, 6TH P.M. CITY OF LONE TREE, DOUGLAS COUNTY, COLORADO LINCOLN AVE & LONE TREE PKWY

> SITE IMPROVEMENT PLAN - SP24-0003 **JANUARY 2024**

DEVELOPMENT PLAN, SUB AREA PLAN, OR OTHER APPLICABLE PLAN OR AGREEMENT CITY OF LONE TREE 9220 KIMMER DRIVE, SUITE 100 LONE TREE, CO 80124 2. THE APPLICANT ASSUMES RESPONSIBILITY TO ENSURE THE PROJECT IS COMPLETED IN ATTN: ROSHANA FLOYD ACCORDANCE WITH THE APPROVED SIP AND ANY ASSOCIATED MATERIALS SAMPLE BOARDS PHONE: (720) 509-1180 AND FURTHER ASSUMES THE RISK ASSOCIATED WITH ANY CHANGES OR OMISSIONS MADE WITHOUT PRIOR CITY APPROVAL. MODIFICATIONS TO STRUCTURES OR SITES MAY REQUIRE AN AMENDMENT TO THE SIP AS DETERMINED BY THE CITY'S COMMUNITY DEVELOPMENT DIRECTOR PER SEC. 16-27-180. UNAUTHORIZED CHANGES OR OMISSIONS MADE WITHOUT PRIOR CITY 2829 W. HOWARD PLACE APPROVAL CORRECTIVE ACTIONS, DELAY OF PERMITS OR CITATIONS FOR ZONING VIOLATIONS DENVER, CO 80204 WITH ASSOCIATED FINES AND LEGAL MEASURES. BUILDING PLANS SHALL CONFORM TO THE ATTN: JORDAN HERRMAN EMAIL: JORDAN.RUDEL@STATE.CO.US WITHIN SITE TRIANGLES, AS SHOWN, LIMITED LANDSCAPING SHALL BE ALLOWED WITH NO PHONE: (303) 757-9881 SOLID STRUCTURES PERMITTED AS STATED IN THE CITY OF LONE TREE'S LANDSCAPE DESIGN GUIDFLINES AND STANDARDS FOR LANDSCAPING. LANDSCAPING WITHIN THE SIGHT TRIANGLE SHALL BE MAINTAINED BY THE PROPERTY OWNER OR APPROPRIATE ASSOCIATION OR CITY OF LONE TREE DISTRICT, AS MAY BE IDENTIFIED IN MAINTENANCE AGREEMENTS RECORDED WITH THE 9220 KIMMER DRIVE, SUITE 100 LONE TREE, CO 80124 4. THE OWNER IS RESPONSIBLE FOR THE INSTALLATION OF ALL ROADWAY SIGNAGE, INCLUDING ATTN: LINDA GLOVER "NO PARKING/FIRE LANE" SIGNAGE, AS REQUIRED BY THE CITY PUBLIC WORKS DEPARTMENT EMAIL: (720) 390-5211 AND/OR THE FIRE DISTRICT, SUCH SIGNAGE SHALL BE MAINTAINED BY THE PROPERTY OWNER OR APPROPRIATE ASSOCIATION OR DISTRICT, AS MAY BE IDENTIFIED IN MAINTENANCE AGREEMENTS RECORDED WITH THE DOUGLAS COUNTY CLERK AND RECORDER'S OFFICE. SOUTH METRO FIRE RESCUE - STATION 34 8871 MAXIMUS DRIVE 5. SITE LANDSCAPING. SITE AMENITIES AND FURNISHINGS, AND ALL SITE IMPROVEMENTS LONE TREE, CO 80124 INCLUDING, BUT NOT LIMITED TO, SIDEWALKS AND PARKING AREAS SHALL BE MAINTAINED IN PHONE: (720) 989-2000 A STATE OF GOOD REPAIR CONSISTENT WITH THE APPROVED SIP AND THE LONE TREE MUNICIPAL CODE AND DESIGN GUIDELINES AND STANDARDS. SUCH MAINTENANCE SHALL INCLUDE THE REGULAR MAINTENANCE OF PET WASTE STATIONS (WHEN PRESENT) TO ENGINEERING ADMINISTRATION INCLUDE WASTE COLLECTION AND WASTE BAG REPLACEMENT. LANDSCAPE PLANTINGS MUST CITY OF LONE TREE BE ALIVE AND ALL IRRIGATION MUST BE FUNCTIONAL. ALL MAINTENANCE OBLIGATIONS SHALL 9220 KIMMER DRIVE, SUITE 100 BE COMPLETED BY THE PROPERTY OWNER OR APPROPRIATE ASSOCIATION OR DISTRICT. AS LONE TREE, CO 80124 MAY BE IDENTIFIED IN MAINTENANCE AGREEMENTS RECORDED WITH THE DOUGLAS COUNTY ATTN: RONNIE ROYBAL, P.E EMAIL: (303) 662-8112 6. THE CITY OF LONE TREE REQUIRES THAT MAINTENANCE ACCESS BE PROVIDED TO ALL STORM DRAINAGE FACILITIES TO ASSURE CONTINUOUS OPERATIONAL CAPABILITY OF THE SYSTEM THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL DRAINAGE FACILITIES. INCLUDING INLETS. PIPES. CULVERTS. CHANNELS. DITCHES. HYDRAULIC 3722 E ORCHARD ROAD STRUCTURES AND DETENTION BASINS LOCATED ON THEIR LAND UNLESS MODIFIED BY THE CENTENNIAL, CO 80121 SITE IMPROVEMENT PLAN IMPROVEMENTS AGREEMENT. SHOULD THE OWNER FAIL TO PHONE: (303) 779-0261 ADEQUATELY MAINTAIN SAID FACILITIES. THE CITY OF LONE TREE SHALL HAVE THE RIGHT TO FAX: (303) 779-0220 ENTER SAID LAND FOR THE PURPOSES OF OPERATIONS AND MAINTENANCE. ALL SUCH MAINTENANCE COSTS WILL BE ASSESSED TO THE PROPERTY OWNER OR THE RESPONSIBLE MAINTENANCE AUTHORITY. 112 W 3RD AVE 7. ALL PLANTS INSTALLED SHALL FOLLOW THE PLANT SCHEDULE, INSTALLATION INSTRUCTIONS DENVER, CO 80223 AND THE LANDSCAPE DRAWINGS ON THE APPROVED LANDSCAPE PLAN INCLUDED IN THIS SITE IMPROVEMENT PLAN. ANY CHANGES TO THE APPROVED LANDSCAPE PLAN, TO INCLUDE PHONE: (800) 895-4999 PLANT SUBSTITUTIONS, MUST BE APPROVED BY THE CITY IN ADVANCE OF INSTALLATION 8. ALL MULCH AND/OR ROCK COBBLE SHALL BE INSTALLED AND MAINTAINED TO THE DEPTH(S) PROVIDED ON THE APPROVED LANDSCAPE PLAN INCLUDED IN THIS SITE IMPROVEMENT PLAN. PROJECT CONTACTS ORGANIC MULCH SHALL NOT BE PLACED WITHIN SIX (6) FEET OF STORM INLETS. 9. THE USE OF IMPERMEABLE SHEET PLASTIC AS A WEED BARRIER IS PROHIBITED. PROPERTY OWNER/DEVELOPER 10. IRRIGATION SHALL OCCUR BETWEEN THE HOURS OF 8:00 P.M. AND 6:00 A.M. AMBLESIDE COLORADO 11. ANY IRRIGATION EQUIPMENT MOUNTED TO THE BUILDING SHALL BE PAINTED TO MATCH THE 1510 E PHILLIPS AVE CENTENNIAL, CO 80122 12. ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY, NATIONAL FLOOD ARCHITECT INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP FOR THE CITY OF LONE TREE, DOUGLAS GALLOWAY & COMPANY INC COUNTY, COLORADO COMMUNITY PANEL NUMBER 0042G, DATED MARCH 16, 2016, THE 5500 GREENWOOD PLAZA BLVD., STE 200 SUBJECT PROPERTY LIES WITHIN ZONE X, "AREAS DETERMINED TO BE INSIDE/OUTSIDE OF GREENWOOD VILLAGE, CO 80111 THE 0.2% ANNUAL CHANCE FLOOD." PHONE: (303) 770-8884 ATTN: LISA METZGER, AIA, NCARB 13. IT SHALL BE THE RESPONSIBILITY OF THE OWNER (OR RESPONSIBLE ASSOCIATION OR

CITY CONTACTS

PLANNING & ZONING

<u>CIVIL ENGINEER</u>

GALLOWAY & COMPANY INC.

PHONE: (303) 770-8884

GALLOWAY & COMPANY INC.

PHONE: (303) 770-8884

SURVEYOR

GREENWOOD VILLAGE, CO 80111

ATTN: JOSEPH (SID) BIDDLE, P.E.

GREENWOOD VILLAGE, CO 80111

ATTN: KEVIN REYNOLDS, P.L.S.

5500 GREENWOOD PLAZA BLVD., STE 200

5500 GREENWOOD PLAZA BLVD., STE 200

SITE IMPROVEMENT PLAN (SIP) NOTES

THE PROPERTY DESCRIBED HEREIN IS SUBJECT TO ALL APPLICABLE REQUIREMENTS OF THE

LONE TREE ZONING CODE AND DESIGN STANDARDS, INCLUDING BUT NOT LIMITED TO.

PROPERTY MAINTENANCE, LIGHTING, PARKING, SIGNAGE, LANDSCAPING AND OUTDOOR

STORAGE, EXCEPT AS MAY OTHERWISE BE ADDRESSED IN AN APPROVED PLANNED

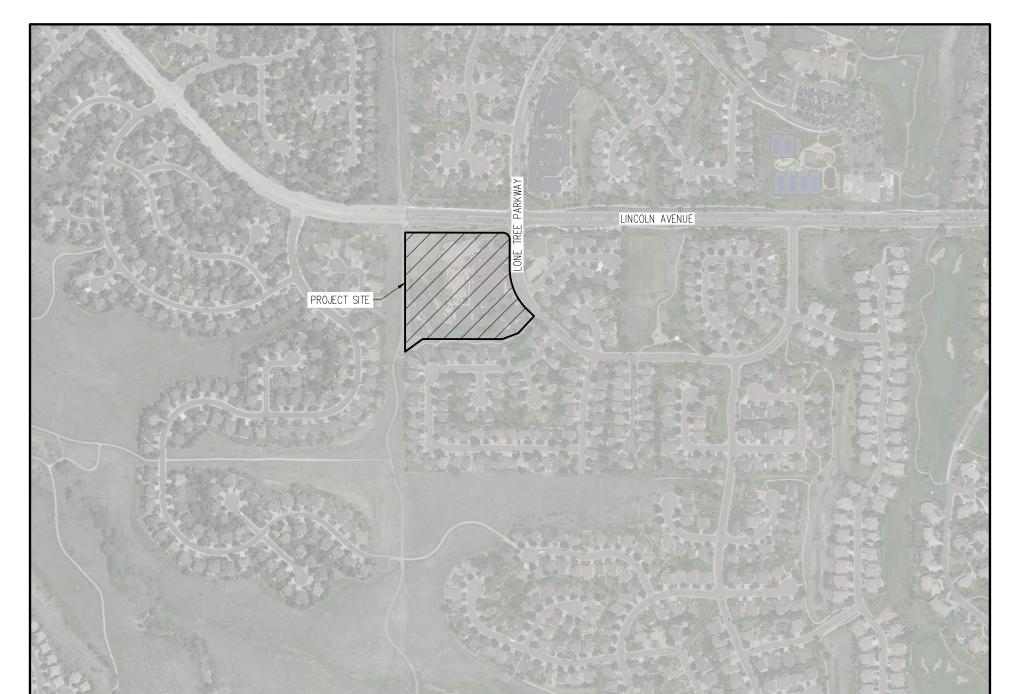
DISTRICT, AS MAY BE IDENTIFIED BY MAINTENANCE AGREEMENTS) TO MAINTAIN ALL

PLAYGROUND EQUIPMENT AND PARK INFRASTRUCTURE ON THE PROPERTY IN A STATE OF

GOOD REPAIR IN CONFORMANCE WITH ALL APPLICABLE BUILDING AND SAFETY REGULATIONS.

THE FOLLOWING SITE IMPROVEMENT PLAN IS BASED ON THE TRAFFIC IMPACT STUDY DATED: 05/31/2024

AND IS SUBJECT TO CHANGE IF THE RIGHT-OF-WAY IS IMPACTED OR ENROLLMENT INCREASES.



<u>VICINITY MAP</u>

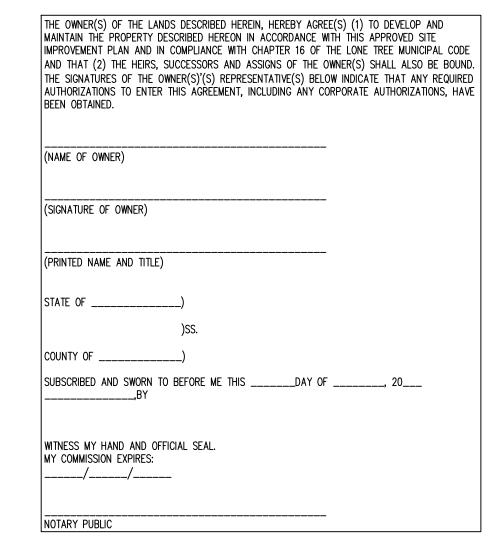
SIP AMENDMENT WITH CITY COUNCIL APPROVAL

THIS SITE IMPROVEMENT PLAN AMENDMENT WAS APPROVED FOR FILIING BY THE CITY COUNCIL OF LONE TREE, CO, ON THE _____ DAY OF _____, 20__, SUBJECT TO ANY CONDITIONS

ALL EXPENSES INCURRED WITH RESPECT TO IMPROVEMENTS FOR ALL UTILITY SERVICES, PAINTING, GRADING, LANDSCAPING, CURBS, GUTTERS, SIDEWALKS, ROAD LIGHTING, ROAD SIGNS, FLOOD PROTECTION DEVICES, DRAINAGE STRUCTURES, AND ALL OTHER IMPROVEMENTS THAT MAY BE REQUIRED SHALL BE THE RESPONSIBILITY OF THE DEVELOPER AND NOT THE CITY.

ARE SUCH BE ISSUED.

THIS ACCEPTANCE DOES NOT GUARANTEE THAT THE SOIL CONDITIONS, SUBS GROUNDWATER CONDITIONS OR FLOODING CONDITIONS OF ANY SITE SHOWN THAT A BUILDING PERMIT, WELL PERMIT OR SEWAGE DISPOSAL PERMIT CAN	HEREON
(SIGNATURE)	
(SIGNATURE)	
KELLY FIRST, COMMUNITY DEVELOPMENT DIRECTOR, CITY OF LONE TREE	
(SIGNATURE)	
JUSTIN SCHMITZ, PUBLIC WORKS DIRECTOR, CITY OF LONE TREE	



CITY OF LONE TREE STANDARD NOTES

- 1. THE CITY OF LONE TREE ENGINEERING DIRECTOR SIGNATURE AFFIXED TO THIS DOCUMENT INDICATES THE ENGINEERING DIVISION HAS REVIEWED THE DOCUMENT AND FOUND IT IN GENERAL CONFORMANCE WITH THE CITY OF LONE TREE ROADWAY DESIGN AND CONSTRUCTION STANDARDS AND THE CITY OF LONE TREE SUBDIVISION RESOLUTION OR ACCEPTED VARIANCES TO THOSE REGULATIONS. THE DOUGLAS COUNTY ENGINEERING DIRECTOR, THROUGH ACCEPTANCE OF THIS DOCUMENT, ASSUMES NO RESPONSIBILITY, OTHER THE OWNER AND ENGINEER UNDERSTAND THAT THE RESPONSIBILITY FOR THE ENGINEERING ADEQUACY OF THE FACILITIES DEPICTED IN THIS DOCUMENT LIES SOLELY WITH THE PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF COLORADO WHOSE STAMP AND SIGNATURE IS AFFIXED TO THIS DOCUMENT
- ALL CONSTRUCTION SHALL CONFORM TO CITY OF LONE TREE STANDARDS. ANY CONSTRUCTION NOT SPECIFICALLY ADDRESSED BY THESE PLANS AND SPECIFICATIONS WILL BE BUILT IN COMPLIANCE WITH THE LATEST EDITION OF THE MOST STRINGENT OF THE
- THE CITY OF LONE TREE ROADWAY DESIGN AND CONSTRUCTION STANDARDS THE COLORADO DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
- THE COLORADO DEPARTMENT OF TRANSPORTATION M STANDARDS
- 3. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE CITY OF LONE TREE ENGINEERING DIVISION AS APPLICABLE. THE COUNTY RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.
- 4. THE CONTRACTOR SHALL NOTIFY THE DOUGLAS COUNTY ENGINEERING INSPECTION DIVISION, 303-660-7487, A MINIMUM OF 24-HOURS AND A MAXIMUM OF 72-HOURS PRIOR TO STARTING CONSTRUCTION. CONTRACTOR SHALL NOTIFY DOUGLAS COUNTY ENGINFERING INSPECTION WHEN WORKING OUTSIDE OF THE PUBLIC RIGHT—OF—WAY ON ANY FACILITY THAT WILL BE CONVEYED TO THE COUNTY, URBAN DRAINAGE & FLOOD CONTROL DISTRICT, OR OTHER SPECIAL DISTRICT FOR MAINTENANCE (STORM SEWER, ENERGY DISSIPATERS, DETENTION OUTLET STRUCTURES, OR OTHER DRAINAGE INFRASTRUCTURES). FAILURE TO NOTIFY THE ENGINEERING INSPECTION DIVISION TO ALLOW THEM TO INSPECT THE CONSTRUCTION MAY RESULT IN NON-ACCEPTANCE OF THE FACILITY/INFRASTRUCTURE BY THE COUNTY AND/OR URBAN DRAINAGE.
- 5. CONSTRUCTION WILL NOT BEGIN UNTIL ALL APPLICABLE PERMITS HAVE BEEN ISSUED. IF A CITY OF LONE TREE ENGINEERING INSPECTOR IS NOT AVAILABLE AFTER PROPER NOTICE OF CONSTRUCTION ACTIVITY HAS BEEN PROVIDED, THE PERMITTEE MAY COMMENCE WORK IN THE INSPECTOR'S ABSENCE. HOWEVER. DOUGLAS COUNTY RESERVES THE RIGHT NOT TO ACCEPT THE IMPROVEMENT IF SUBSEQUENT TESTING REVEALS AN IMPROPER INSTALLATION.
- THE LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ACTUAL CONSTRUCTION. FOR INFORMATION CONTACT: COLORADO 811, AT 1-800-922-1987 (WWW.COLORADO811.ORG).
- 7. THE CONTRACTOR SHALL HAVE ONE (1) COPY OF THE PLANS SIGNED BY THE CITY OF LONE TREE ENGINEERING DIRECTOR, ONE (1) COPY OF THE ROADWAY DESIGN AND CONSTRUCTION STANDARDS, AS AMENDED, AND ALL APPLICABLE PERMITS AT THE JOB SITE AT ALL TIMES.
- 8. ALL PROPOSED STREET CUTS TO EXISTING PAVEMENTS FOR UTILITIES, STORM SEWER OR FOR OTHER PURPOSES ARE LISTED AND REFERENCED BELOW: EXAMPLES: WATER TIE-IN SHEET 3 STORM SEWER CONNECTION SHEET 6
- 9. A TRAFFIC CONTROL PLAN, IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, SHALL BE SUBMITTED TO CITY OF LONE TREE FOR ACCEPTANCE WITH THE RIGHT-OF-WAY USE AND CONSTRUCTION PERMIT APPLICATION. A RIGHT-OF-WAY USE AND CONSTRUCTION PERMIT WILL NOT BE ISSUED WITHOUT AN ACCEPTED TRAFFIC CONTROL PLAN FOR TRAFFIC CONTROL DURING CONSTRUCTION.
- 10. THE CONSTRUCTION PLANS SHALL BE CONSIDERED VALID FOR THREE (3) YEARS FROM THE DATE OF COUNTY ACCEPTANCE, AFTER WHICH TIME THESE PLANS SHALL BE VOID AND WILL BE SUBJECT TO RE-REVIEW AND RE-ACCEPTANCE BY CITY OF LONE TREE.
- 11. CITY OF LONE TREE STANDARD DETAILS SHALL NOT BE MODIFIED. ANY NON-STANDARD DETAILS WILL BE CLEARLY IDENTIFIED AS SUCH.
- 12. PAVING, INCLUDING CONSTRUCTION OF CURB AND GUTTER (WHEN USED), SHALL NOT START UNTIL A PAVEMENT DESIGN REPORT AND SUBGRADE COMPACTION TESTS ARE ACCEPTED BY THE ENGINEERING INSPECTION DIVISION FOR ALL PUBLIC AND PRIVATE ROADS.
- 13. STANDARD CITY OF LONE TREE HANDICAP RAMPS ARE TO BE CONSTRUCTED AT ALL CURB RETURNS AND AT MID-BLOCK LOCATIONS OPPOSITE OF ONE OF THE CURB RETURNS OF ALL "T" INTERSECTIONS AS IDENTIFIED ON THESE PLANS.
- 14. ALL STATIONING IS BASED ON CENTERLINE OF ROADWAYS UNLESS OTHERWISE NOTED.
- 15. ALL ELEVATIONS ARE ON UNITED STATES COAST AND GEODETIC SURVEY (USC&GS) (NAVD-88) DATUM WITH DATE. THE RANGE POINT OR MONUMENTS SHALL BE SHOWN ON CONSTRUCTION DRAWINGS.
- 16. ALL STORM SEWER IMPROVEMENTS (PUBLIC AND PRIVATE) INCLUDING, BUT NOT LIMITED TO, INLETS, PIPES, CULVERTS, CHANNELS, DITCHES, HYDRAULIC STRUCTURES, RIPRAP, DETENTION BASINS, FOREBAYS, MICROPOOLS, AND WATER QUALITY FACILITIES REQUIRE PERMITTING AND INSPECTIONS. PLEASE CONTACT THE DOUGLAS COUNTY ENGINEERING INSPECTIONS DIVISION AT 303- 660-7487 FOR PERMITTING REQUIREMENTS AND INSPECTIONS SCHEDULING.
- 17. TWO (2) MANHOLE ACCESS POINTS ARE REQUIRED ON ALL TYPE 'R" CURB INLETS GREATER THAN OR EQUAL TO TEN (10) FEET IN LENGTH.
- 18. EPOXY COATED REBAR IS REQUIRED ON ALL DRAINAGE STRUCTURES.
- 19. CITY OF LONE TREE REQUIRES CLASS D CONCRETE FOR ALL DRAINAGE STRUCTURES.
- 20. ALL RCP STORM SEWERS MUST USE ASTM C443 WATERTIGHT GASKETS PER THE CURRENT DOUGLAS COUNTY AND URBAN DRAINAGE DESIGN CRITERIA.
- 21. ALL RCP SHALL BE CLASS III STORM SEWER PIPE UNLESS OTHERWISE SPECIFIED.
- 22. JOINT RESTRAINTS ARE REQUIRED FOR A MINIMUM OF THE LAST TWO PIPE JOINTS AND FLARED END SECTION OF AN RCP OUTFALL.
- 23. PRECAST INLETS AND MANHOLE BASES ARE NOT ALLOWED.
- 24. TOE WALLS ARE REQUIRED ON FLARED END SECTIONS AT THE OUTLET END OF CULVERTS

AND STORM SEWER OUTFALLS.

- 25. FILTER FABRIC IS REQUIRED UNDER ALL RIPRAP PADS. 26. THE PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF COLORADO, SIGNING THESE
- THE STANDARD CITY OF LONE TREE DETAILS CONTAINED IN THE LATEST VERSIONS OF THE CRITERIA MANUALS. THIS INCLUDES. BUT IS NOT LIMITED TO: CITY OF LONE TREE ROADWAY DESIGN AND CONSTRUCTION STANDARDS

PLANS IS RESPONSIBLE FOR ENSURING THAT THE DETAILS INCLUDED ARE COMPATIBLE WITH

- CITY OF LONE TREE STORM DRAINAGE DESIGN AND TECHNICAL CRITERIA CITY OF LONE TREE GRADING, EROSION AND SEDIMENT CONTROL CRITERIA CDOT M & S STANDARDS
- 27. A TEMPORARY CONSTRUCTION ACCESS PERMIT FROM DOUGLAS COUNTY MAY BE REQUIRED

URBAN STORM DRAINAGE CRITERIA MANUAL VOLUMES 1,2 & 3

Greenwood Village, CO 80111 303.770.8884 GallowayUS.com

COPYRIGHT

Ç ∞ Ž

N A N

т С ш

Date Issue / Description

03/13/24 2ND SUBMITTAL

05/08/24 3RD SUBMITTAL

4 05/31/24 4TH SUBMITTAL

THESE PLANS ARE AN INSTRUMENT OF SERVICE AND ARE THE PROPERTY OF GALLOWAY, AND MAY NOT BE DUPLICATED, DISCLOSED, OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF GALLOWAY. COPYRIGHTS AND INFRINGEMENTS WILL BE ENFORCED AND PROSECUTED.



SURVEYOR TO OBTAIN AUTOCAD FILE FROM ENGINEER AND VERIFY ALL HORIZONTAL CONTROL DIMENSIONING PRIOR TO CONSTRUCTION STAKING. SURVEYOR MUST VERIFY ALL BENCHMARK, BASIS OF BEARING AND DATUM INFORMATION TO ENSURE IMPROVEMENTS WILL BE AT THE SAME HORIZONTAL AND VERTICAL LOCATIONS SHOWN ON THE DESIGN CONSTRUCTION RAWINGS. PRIOR TO CONSTRUCTION STAKING ANY DISCREPANCY MUST BE REPORTED TO

SHEET INDEX

DESCRIPTION

COVER SHEET

SITE PLAN

SITE DETAILS

GRADING PLAN

EROSION CONTROL PLAN

EROSION CONTROL DETAILS

EROSION CONTROL DETAILS

EROSION CONTROL DETAILS

CONCEPTUAL LANDSCAPE PLAN

CONTRACTOR IS RESPONSIBLE FOR AS-BUILT DRAWINGS, TESTS, REPORTS AND/OR ANY OTHER CERTIFICATES OR INFORMATION AS REQUIRED FOR ACCEPTANCE OF WORK FROM CITY, UTILITY DISTRICTS OR ANY OTHER GOVERNING AGENCY.

CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL INFORMATION FOR FINAL ACCEPTANCE OF WORK FOR ANY LOCAL, STATE OR FEDERAL AGENCY, UTILITY DISTRICT OR ANY OTHER AGENCY IS NOT LIMITED TO, AS-BUILT PLANS, CERTIFICATIONS, INSPECTIONS AND REPORTS.

OTE: CONTRACTOR MUST COORDINATE WORK WITH LITILITY COMPANY AND CITY PRIOR TO BEGINNING WORK AND IS RESPONSIBLE FOR ALL MATERIALS, LABOR, REPAIRS, ETC. TO COMPLETE WORK AND RESTORE AREA TO SAME STATE PRIOR TO STARTING WORK

DTE: CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTATION. CONTRACTOR SHALL HAVE LICENSED SURVEYOR REPLACE ANY DAMAGED OR DISTURBED MONUMENTATION AT

FLOODPLAIN STATEMENT

PARCEL IS LOCATED WITHIN FLOODPLAIN ZONE "X" DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE OF RAIN AS PER FLOOD INSURANCE RATE MAP (FIRM) NUMBER 08035C0042G, REVISED MARCH 16, 2016.

A PARCEL OF LAND LOCATED IN THE NORTHWEST $\frac{1}{4}$ OF THE NORTHWEST $\frac{1}{4}$ OF THE SECTION 16, TOWNSHIP 6 SOUTH, RANGE 67 WEST OF THE 6TH PRINCIPAL MERIDIAN, DOUGLAS COUNTY, COLORADO, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 16 AND CONSIDERING THE WEST LINE OF SAID SECTION 16 TO BEAR NO1114'50"E WITH ALL BEARINGS CONTAINED HEREIN RELATIVE THERETO:

THENCE S01114'50"W ALONG SAID SECTION 16, 75.00 FEET TO THE SOUTH LINE OF LINCOLN AVENUE AND THE POINT OF BEGINNING: THENCE CONTINUING S01°14'50W" ALONG THE SAID WEST LINE. 657.80 FEET TO A POINT ON THE NORTH LINE OF CENTENNIAL RIDGE SUBDIVISION FILING

- THENCE ALONG SAID NORTH LINE THE FOLLOWING FOUR (4) COURSES:
- N55°24'20"E, 124.62 FEET;
- S88°45'10"E, 411.36 FEET; N70°25'30"E, 100.94 FEET;
- 4. N44°11'51"E, 128.00 FEET TO A POINT ON THE WEST LINE OF LONE TREE PARKWAY;

THENCE ALONG SAID WEST LINE THE FOLLOWING FOUR (4) COURSES: THENCE N45°48'09"W, 73.59 FEET TO A POINT OF CURVE;

- THENCE ALONG SAID CURVE TO THE RIGHT HAVING A RADIUS OF 300.00 FEET, A CENTRAL ANGLE OF N01°21'36", 246.94 FEET TO A POINT OF TANGENT:
- 3. THENCE ALONG SAID CURVE TO THE LEFT HAVING A RADIUS OF 35.00 FEET, A CENTRAL ANGLE OF 90°00'00", 54.98 FEET TO A LINE OF 75.00 FEET SOUTH OF AND PARALLEL TO THE NORTH LINE OF SAID NORTHWEST 1/4 OF THE NORTHWEST $\frac{1}{4}$

THENCE N88°38'24"W ALONG SAID LINE 509.85 FEET TO THE POINT OF BEGINNING. EXCEPT THE REAL PROPERTY DESCRIBED IN THAT CERTAIN PARTIAL RELEASE OF DEED OF TRUST RECORDED AUGUST 14, 1985 IN BOOK 590, AT PAGE 392X, COUNTY OF DOUGLAS, STATE OF COLORADO.

CAUTION - NOTICE TO CONTRACTOR

THE ENGINEER PRIOR TO CONSTRUCTION.

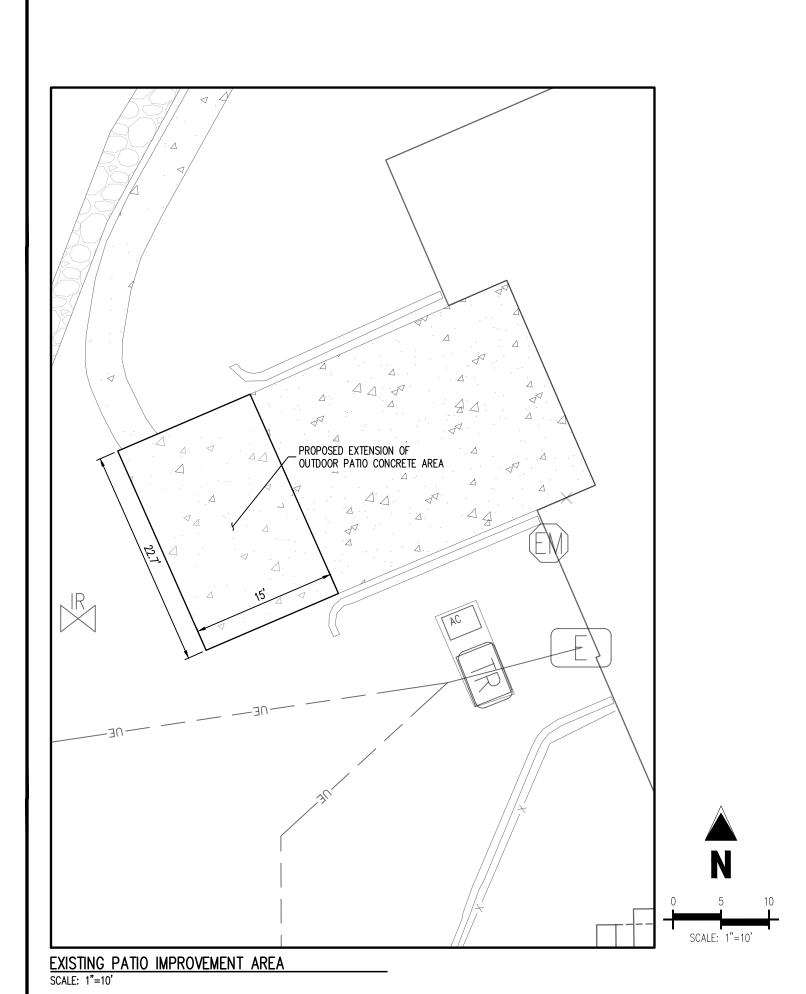
. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE Know what's Delow. ENGINEER PRIOR TO CONSTRUCTION.

Call before you dig. 2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY. EITHER THROUGH POTHOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO

JANUARY 2024 COVER SHEET

AMC000002





PROPOSED RIGHT-OF-WAY SIDEWALK CONNECTION TO LONE TREE PARKWAY

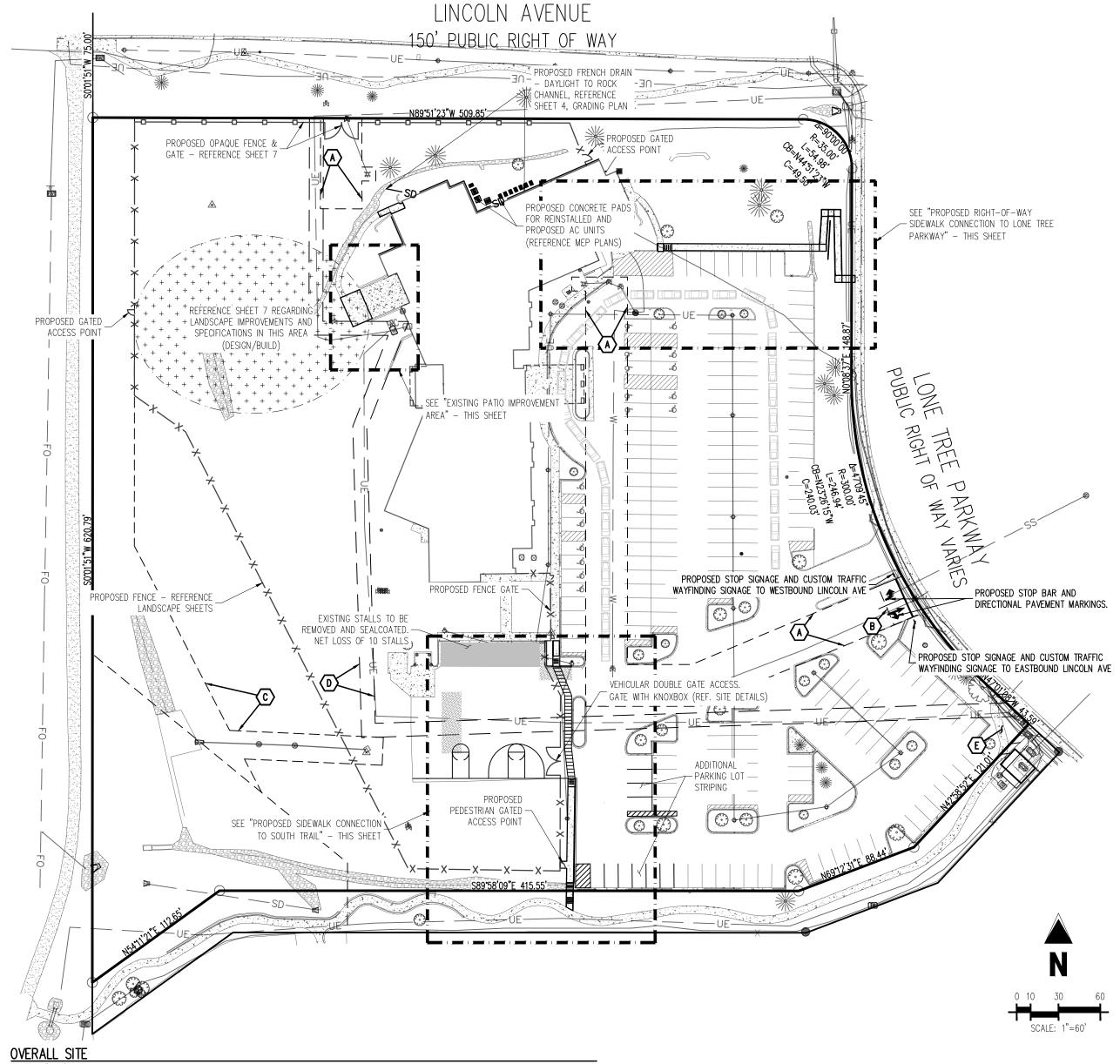
EXTEND EXISTING STORM

105.93

PIPE AS NEEDED

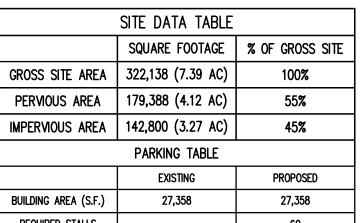
EXISTING 12" STORM

PIPE TO REMAIN



PROPOSED SIDEWALK CONNECTION TO SOUTH TRAIL

-WWWWWWWWWWWWW-	10' 10'	4	17'	-FO - X
3 1 6' X X X X X X X X X X X X X X X X X X	13	-X — X — X — X — X — — X — — X — — X — — X — — X — — X — — X — — X — — X — — X — — X — — X — — X — — X — — X — — X — — X — — X	LIGHT POLE AND LIGHT	4' 7 7 V V V V V V V V V V V V V V V V V
17.76'	9 I	POLE BASE TO NECESSARY PI	D BE ADJUSTED AS ER PROPOSED SIDEWALK	
	9		×—×—×—×—	FO



REQUIRED STALLS 60 STANDARD STALLS 175 ADA STALLS 17 17 TOTAL PARKING STALLS 195 188 BICYCLE SPACES

CITY PARKING CODE REQUIRES PARKING PER THE FOLLOWING: PER CODE, BICYCLE PARKING IS 2% OF TOTAL SITE PARKING .2 SPACES PER STUDENT (ELEMENTARY SCHOOL) .16 SPACES PER STUDENT (MIDDLE SCHOOL)

.46 SPACES PER STUDENT (HIGH SCHOOL) PROPOSED PARKING CONDITIONS ARE AS FOLLOWS: ELEMENTARY SCHOOL (K-5): 102 STUDENTS - 20.4 PARKING SPACES MIDDLE SCHOOL (6-8): 51 STUDENTS - 8.16 PARKING SPACES HIGH SCHOOL (9-12): 68 STUDENTS - 31.28 PARKING SPACES PER CITY REQUIREMENTS, 60 TOTAL STALLS NEEDED

EASEMENT SCHEDULE

- A 30' WATER LINE EASEMENT. BOOK 1373, PAGE 1334
- B SEWER LINE EASEMENT. BOOK 1773, PAGE 1334
- C DRAINAGE EASEMENT. BOOK 330, PAGE 319
- (D) 10' PUBLIC SERVICE COMPANY OF COLORADO EASEMENT. REC. NO. 200412661-
- PAVED TRAIL EASEMENT AT RECEPTION NO. 2007052048 UNDER SCHEDULE B, PART 2 ITEM 21 IN THE TITLE COMMITMENT, REFERENCED ON THIS SURVEY, APPEARS TO BE INTENDED FOR THE CONCRETE WALK AT THE SOUTHEAST CORNER OF THE PROPERTY. THE EASEMENT IN "EXHIBIT A" DOES NOT HAVE THE INFORMATION TO ACCURATELY

SITE SCHEDULE

- 1) PROPOSED CONCRETE RAMP (REFERENCE SITE DETAILS)
- 2) PROPOSED RETAINING WALL (REFERENCE SITE DETAILS)
- (3) PROPOSED CONCRETE SIDEWALK (REFERENCE SITE DETAILS)
- (4) PROPOSED YELLOW PAINTED STRIPING AT 45° AT 2'-0" O.C.
- 5) PROPOSED 2' SIDEWALK CHASE (REFERENCE SITE DETAILS)
- 6) PROPOSED 6" CURB AND GUTTER (REFERENCE SITE DETAILS)
- 7) PROPOSED HANDRAIL
- 8 PROPOSED ASPHALT PATCHBACK (IN PLACE OF EXISTING LANDSCAPE ISLAND)
- 9 PROPOSED BASKETBALL COURT STRIPING
- (10) PROPOSED CONCRETE STAIRCASE (REFERENCE SITE DETAILS)
- (11) PROPOSED CONCRETE LANDING (REFERENCE SITE DETAILS)
- 12 PROPOSED BIKE RACK

13) PROPOSED CROSSWALK

NOTE: CONTRACTOR MUST COORDINATE WORK WITH UTILITY COMPANY AND CITY PRIOR TO BEGINNING WORK AND IS RESPONSIBLE FOR ALL MATERIALS, LABOR, REPAIRS, ETC. TO COMPLETE WORK AND RESTORE AREA TO SAME STATE PRIOR TO STARTING WORK

NOTE: EXISTING SURFACE PIPE FOR ROOF DRAIN CONNECTION SHALL BE TRENCHED AND PLACED WITH A MINIMUM OF 1% SLOP AT A MINIMUM BURIAL DEPTH OF 12" AND DAYLIGHTED TO NEAREST HILLSIDE TO PROMOTE POSITIVE DRAINAGE AND REDUCE SAFETY HAZARD.

LINCOLN AVE

- PROPERTY BOUNDARY LINE

EXISTING TO REMAIN

EXISTING FENCE TO REMAIN

■ PROPOSED CURB AND GUTTER

EXISTING CURB AND GUTTER

PROPOSED ASPHALT PATCHBACK

PROPOSED SIDEWALK

PROPOSED SEALCOAT

EXISTING SIGN

PROPOSED SIGNAGE

SURVEYOR TO OBTAIN AUTOCAD FILE FROM ENGINEER AND VERIFY ALL HORIZONTAL CONTROL DIMENSIONING PRIOR TO CONSTRUCTION STAKING. SURVEYOR MUST VERIFY ALL BENCHMARK, BASIS OF BEARING AND DATUM INFORMATION TO ENSURE IMPROVEMENTS WILL BE AT THE

SAME HORIZONTAL AND VERTICAL LOCATIONS SHOWN ON THE DESIGN CONSTRUCTION DRAWINGS. PRIOR TO CONSTRUCTION STAKING ANY DISCREPANCY MUST BE REPORTED TO

CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL INFORMATION FOR FINAL ACCEPTANCE OF

IS NOT LIMITED TO, AS-BUILT PLANS, CERTIFICATIONS, INSPECTIONS AND REPORTS.

OR DISTRICT HAVING APPROVAL AUTHORITY OVER WORK. THIS INFORMATION MAY INCLUDE, BUT

CONTRACTOR IS RESPONSIBLE FOR AS-BUILT DRAWINGS, TESTS, REPORTS AND/OR ANY OTHER

CERTIFICATES OR INFORMATION AS REQUIRED FOR ACCEPTANCE OF WORK FROM CITY, UTILITY

NOTE: CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTATION. CONTRACTOR

SHALL HAVE LICENSED SURVEYOR REPLACE ANY DAMAGED OR DISTURBED MONUMENTATION A

PROPOSED NEW

----- RIGHT OF WAY BOUNDARY LINE

- ---- W---- EXISTING WATER LINE TO REMAIN

- - - - - - - Existing easement line

ADJACENT PROPERTY BOUNDARY LINE

EXISTING FIBER OPTIC LINE TO REMAIN

EXISTING UNDERGROUND ELECTRIC TO REMAIN

FXISTING PATIO AREA

KEY MAP SCALE: 1"=200'

SITE LEGEND

LEGAL DESCRIPTION

DISTRICTS OR ANY OTHER GOVERNING AGENCY.

A PARCEL OF LAND LOCATED IN THE NORTHWEST $\frac{1}{4}$ OF THE NORTHWEST $\frac{1}{4}$ OF THE SECTION 16, TOWNSHIP 6 SOUTH, RANGE 67 WEST OF THE 6TH PRINCIPAL MERIDIAN, DOUGLAS COUNTY, COLORADO, MORE PARTICULARLY

DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 16 AND CONSIDERING THE WEST LINE OF SAID SECTION 16 TO BEAR NO1114'50"E WITH ALL BEARINGS CONTAINED HEREIN RELATIVE THERETO:

THENCE S01"14'50"W ALONG SAID SECTION 16, 75.00 FEET TO THE SOUTH LINE OF LINCOLN AVENUE AND THE POINT OF BEGINNING: THENCE CONTINUING S01°14'50W" ALONG THE SAID WEST LINE. 657.80 FEET TO A POINT ON THE NORTH LINE OF CENTENNIAL RIDGE SUBDIVISION FILING

THENCE ALONG SAID NORTH LINE THE FOLLOWING FOUR (4) COURSES:

- 1. N55°24'20"E, 124.62 FEET;
- 2. S88°45'10"E, 411.36 FEET;
- 3. N70°25'30"E, 100.94 FEET; 4. N4411'51"E, 128.00 FEET TO A POINT ON THE WEST LINE OF LONE TREE PARKWAY;

THENCE ALONG SAID WEST LINE THE FOLLOWING FOUR (4) COURSES: THENCE N45°48'09"W, 73.59 FEET TO A POINT OF CURVE; THENCE ALONG SAID CURVE TO THE RIGHT HAVING A RADIUS OF 300.00 FEET, A CENTRAL ANGLE OF N01°21'36", 246.94 FEET TO A

POINT OF TANGENT: 3. THENCE ALONG SAID CURVE TO THE LEFT HAVING A RADIUS OF 35.00 FEET, A CENTRAL ANGLE OF 90°00'00", 54.98 FEET TO A LINE OF 75.00 FEET SOUTH OF AND PARALLEL TO THE NORTH LINE OF SAID NORTHWEST 1/4 OF THE NORTHWEST $\frac{1}{4}$;

THENCE N88°38'24"W ALONG SAID LINE 509.85 FEET TO THE POINT OF BEGINNING. EXCEPT THE REAL PROPERTY DESCRIBED IN THAT CERTAIN PARTIAL RELEASE OF DEED OF TRUST RECORDED AUGUST 14, 1985 IN BOOK 590, AT PAGE 392X, COUNTY OF DOUGLAS, STATE OF COLORADO.

CAUTION - NOTICE TO CONTRACTOR

ENGINEER PRIOR TO CONSTRUCTION.

I. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE Know what's below.

Call before you dig. 2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POTHOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.



Greenwood Village, CO 80111

303.770.8884

GallowayUS.com

COPYRIGHT THESE PLANS ARE AN INSTRUMENT OF SERVICE AND ARE THE PROPERTY OF GALLOWAY, AND MAY NOT BE DUPLICATED, DISCLOSED, OR REPRODUCED

WITHOUT THE WRITTEN CONSENT OF GALLOWAY.

COPYRIGHTS AND INFRINGEMENTS WILL BE

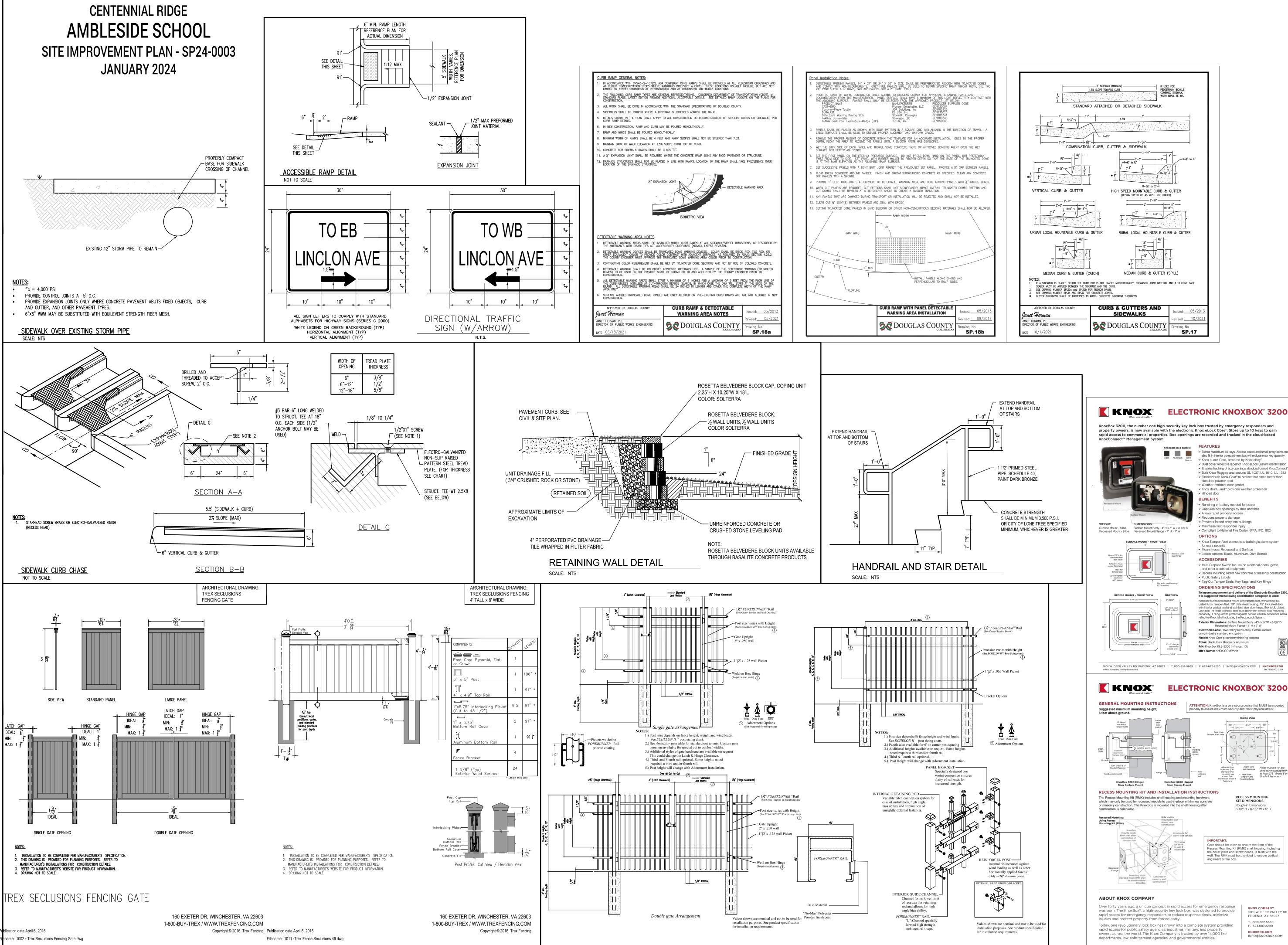
ENFORCED AND PROSECUTED.



Date Issue / Description 1 01/19/24 1ST SUBMITTAL 03/13/24 2ND SUBMITTAL 3 __05/08/24 __3RD SUBMITTAL __

AMC000002

Checked By: JANUARY 2024 SITE PLAN



Greenwood Village, CO 80111 303.770.8884 GallowayUS.com

COPYRIGHT THESE PLANS ARE AN INSTRUMENT OF SERVICE AND ARE THE PROPERTY OF GALLOWAY, AND MAY NOT BE DUPLICATED, DISCLOSED, OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF GALLOWAY. COPYRIGHTS AND INFRINGEMENTS WILL BE ENFORCED AND PROSECUTED.



Recess Mounting Kit for new concrete or masonry construction

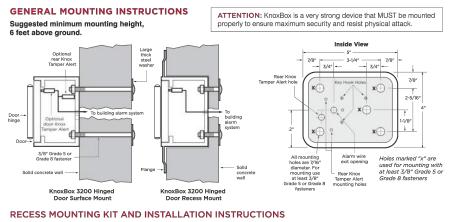
M C M

Date Issue / Description

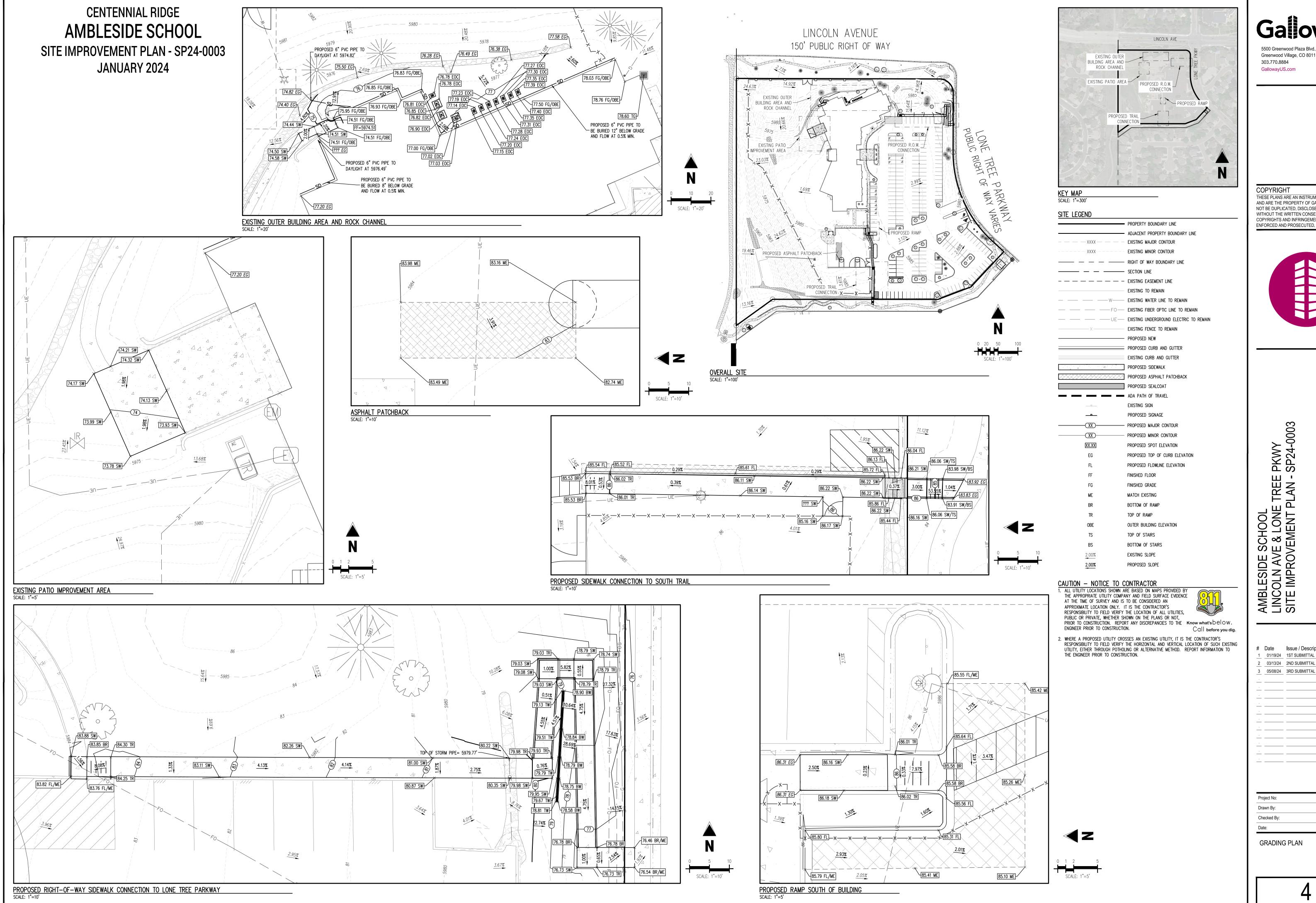
1 01/19/24 1ST SUBMITTAL 03/13/24 2ND SUBMITTAL

05/08/24 3RD SUBMITTAL

ATTENTION: KnoxBox is a very strong device that MUST be mounted



AMC000002 Checked By JANUARY 2024 SITE DETAILS



Greenwood Village, CO 80111 303.770.8884 GallowayUS.com

COPYRIGHT THESE PLANS ARE AN INSTRUMENT OF SERVICE AND ARE THE PROPERTY OF GALLOWAY, AND MAY NOT BE DUPLICATED, DISCLOSED, OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF GALLOWAY. COPYRIGHTS AND INFRINGEMENTS WILL BE

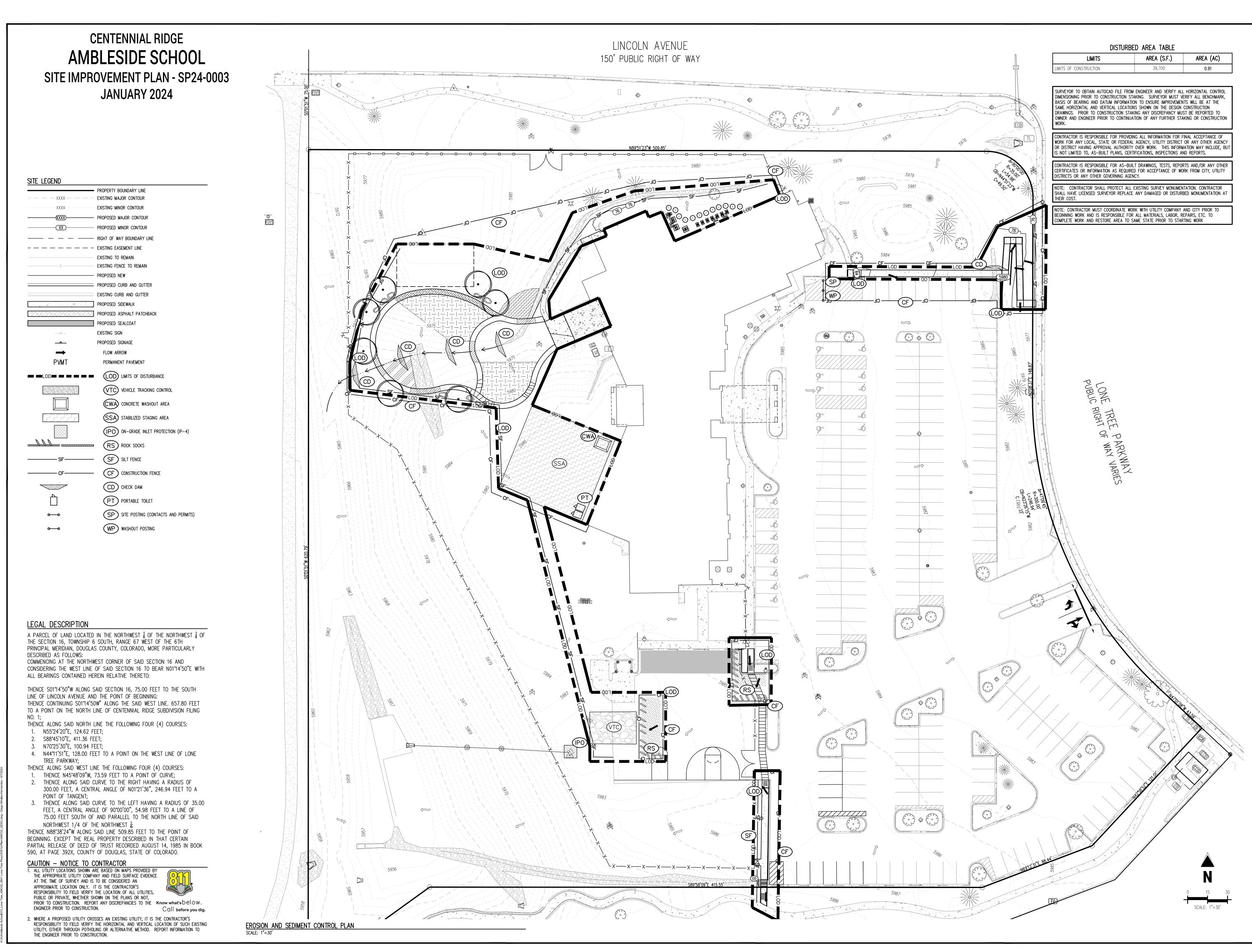


03/13/24 2ND SUBMITTAL 3 05/08/24 3RD SUBMITTAL

AMC000002

JANUARY 2024

GRADING PLAN



Galloway

5500 Greenwood Plaza Blvd., S Greenwood Village, CO 80111 303.770.8884 GallowayUS.com

COPYRIGHT

THESE PLANS ARE AN INSTRUMENT OF SERVICE AND ARE THE PROPERTY OF GALLOWAY, AND MAY NOT BE DUPLICATED, DISCLOSED, OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF GALLOWAY. COPYRIGHTS AND INFRINGEMENTS WILL BE ENFORCED AND PROSECUTED.



INCOLN AVE & LONE TREE PKWY

Date Issue / Description In 1 01/19/24 1ST SUBMITTAL ... 2 03/13/24 2ND SUBMITTAL ... 3 05/08/24 3RD SUBMITTAL ...

o: AMC000002

Drawn By: DMH

Checked By: JSB

Date: JANUARY 2024

EROSION CONTROL PLAN

5

THE GESC PLAN SHALL BE CONSIDERED VALID FOR TWO (2) YEARS FROM THE DATE OF ACCEPTANCE BY THE CITY OF LONE TREE, AFTER WHICH TIME THE PLAN SHALL BE VOID AND WILL BE SUBJECT TO RE-REVIEW AND

2. THE ADEQUACY OF THIS GESC PLAN LIES WITH THE ORIGINAL DESIGN ENGINEER.

ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE CITY OF LONE TREE ENGINEERING DIVISION. THE CITY OF LONE TREE RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO THE GESC MANUAL, GESC PLAN OR GESC PERMIT.

THE PLACEMENT OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs) SHALL BE IN ACCORDANCE WITH THE CITY OF LONE TREE - ACCEPTED GESC PLAN AND THE CITY OF LONE TREE GESC MANUAL. ANY VARIATION IN MATERIAL, TYPE OR LOCATION OF EROSION AND SEDIMENT CONTROL BMPs FROM THE CITY OF LONE TREE — ACCEPTED GESC PLAN WILL REQUIRE APPROVAL FROM AN ACCOUNTABLE REPRESENTATIVE OF THE CITY OF LONE TREE ENGINEERING DIVISION.

AFTER THE GESC PLAN HAS BEEN ACCEPTED, THE GESC PERMIT APPLIED FOR, FEES AND FISCAL SECURITY SUBMITTED TO THE CITY, AND THE GESC FIELD MANUAL OBTAINED AND REVIEWED, THE CONTRACTOR MAY INSTALL THE INITIAL—STAGE EROSION AND SEDIMENT CONTROL BMPs INDICATED ON THE ACCEPTED GESC PLAN.

THE FIRST BMP TO BE INSTALLED ON THE SITE SHALL BE CONSTRUCTION FENCE, MARKERS, OR OTHER APPROVED MEANS OF DEFINING THE LIMITS OF CONSTRUCTION, INCLUDING CONSTRUCTION LIMITS ADJACENT TO STREAM CORRIDORS AND OTHER AREAS TO BE PRESERVED.

AFTER INSTALLATION OF THE INITIAL-STAGE EROSION AND SEDIMENT CONTROL BMPs, THE PERMITTEE SHALL CALL THE CITY OF LONE TREE CONSTRUCTION INSPECTOR AT (303) 662-8112 TO SCHEDULE A PRECONSTRUCTION MEETING AT THE PROJECT SITE. THE REQUEST SHALL BE MADE A MINIMUM OF THREE BUSINESS DAYS PRIOR TO THE REQUESTED MEETING TIME. NO CONSTRUCTION ACTIVITIES SHALL BE PLANNED WITHIN 24 HOURS AFTER THE

10. THE OWNER OR OWNER'S REPRESENTATIVE, THE GESC MANAGER, THE GENERAL CONTRACTOR, AND THE GRADING SUBCONTRACTOR, IF DIFFERENT FROM THE GENERAL CONTRACTOR, MUST ATTEND THE PRECONSTRUCTION MEETING. IF ANY OF THE REQUIRED PARTICIPANTS FAIL TO ATTEND THE PRECONSTRUCTION MEETING, OR IF THE GESC FIELD MANUAL IS NOT ON SITE, OR IF THE INSTALLATION OF THE INITIAL BMPS ARE NOT APPROVED BY THE CITY OF LONE TREE GESC INSPECTOR, THE APPLICANT WILL HAVE TO PAY A REINSPECTION FEE, ADDRESS ANY PROBLEMS WITH BMP INSTALLATION, AND CALL TO RESCHEDULE THE MEETING, WITH A CORRESPONDING DELAY IN THE START OF CONSTRUCTION THE CITY OF LONE TREE STRONGLY ENCOURSE. CONSTRUCTION. THE CITY OF LONE TREE STRONGLY ENCOURAGES THE APPLICANT TO HAVE THE ENGINEER OF RECORD AT THE PRECONSTRUCTION MEETING. FAILURE OF THE ENGINEER OF RECORD TO ATTEND MAY RESULT IN A DELAY OF THE START OF CONSTRUCTION.

CONSTRUCTION SHALL NOT BEGIN UNTIL THE CITY OF LONE TREE GESC INSPECTOR APPROVES THE INSTALLATION OF THE INITIAL BMPs AND THE APPROVED GESC PERMIT IS PICKED UP FROM THE CITY AND IS IN-HAND ON THE SITE. THE COMPLETED PERMIT WILL BE AVAILABLE WITHIN 24-HOURS AFTER THE INSTALLATION OF THE INITIAL BMPs ARE

12. THE GESC MANAGER SHALL STRICTLY ADHERE TO THE CITY OF LONE TREE—APPROVED LIMITS OF CONSTRUCTION AT ALL TIMES. THE CITY OF LONE TREE ENGINEERING DIVISION MUST APPROVE ANY CHANGES TO THE LIMITS OF CONSTRUCTION AND, AT THE DISCRETION OF THE ENGINEERING DIVISION, ADDITIONAL EROSION/SEDIMENT CONTROLS MAY BE REQUIRED IN ANY ADDITIONAL AREAS OF CONSTRUCTION.

3. THE MAXIMUM AREA OF CONSTRUCTION SHALL BE LIMITED TO 40 ACRES (70 ACRES IF APPROVED FOR SOIL MITIGATION OPERATIONS) TO REDUCE THE AMOUNT OF LAND DISTURBED AT ANY ONE TIME. LARGER SITES SHALL BE DIVIDED INTO PHASES THAT ARE EACH 40 (OR 70) ACRES OR LESS IN SIZE. THESE PROJECTS SHALL CONDUCT GRADING ACTIVITIES IN ACCORDANCE WITH THE ACCEPTED GESC PLAN. BMP INSTALLATION AND APPROVAL BY THE CITY OF LONE TREE AT THE START AND COMPLETION OF EACH PHASE SHALL BE CONDUCTED IN ACCORDANCE WITH THE PROCEDURES OUTLINED IN THE GESC MANUAL AND/OR GESC FIELD MANUAL.

4. PRIOR TO ACTUAL CONSTRUCTION, THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES. FOR INFORMATION, CONTACT THE DENVER INTER-UTILITY GROUP AT 1-800-922-1987 OR FAX AT (303) 534-6700.

5. NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED WHEREVER POSSIBLE. EXPOSURE OF SOIL TO EROSION BY REMOVAL OR DISTURBANCE OF VEGETATION SHALL BE LIMITED TO THE AREA REQUIRED FOR IMMEDIATE CONSTRUCTION OPERATIONS.

16. THE GESC PERMIT SHALL BE VALID FOR A PERIOD OF ONE (1) YEAR, UNLESS EXTENDED. 17. A COPY OF THE GESC PERMIT, ACCEPTED GESC PLANS AND THE GESC FIELD MANUAL SHALL BE ON SITE AT ALL

18. THE GESC MANAGER SHALL BE RESPONSIBLE FOR ENSURING THAT THE SITE REMAINS IN COMPLIANCE WITH THE GESC PERMIT AND SHALL BE THE PERMITTEE'S CONTACT PERSON WITH THE CITY FOR ALL MATTERS PERTAINING TO THE GESC PERMIT. THE GESC MANAGER SHALL BE PRESENT AT THE SITE THE MAJORITY OF THE TIME AND SHALL

BE AVAILABLE THROUGH A 24—HOUR CONTACT NUMBER. IN THE EVENT THAT THE CONTRACTOR'S GESC MANAGER IS NOT ON SITE AND CANNOT BE REACHED DURING A VIOLATION, THE ALTERNATE GESC MANAGER SHALL BE CONTACTED. IF NEITHER THE GESC MANAGER NOR ALTERNATE GESC MANAGER CAN BE CONTACTED DURING ANY VIOLATION, A STOP WORK ORDER SHALL BE ISSUED.

19. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE THROUGH THE CITY OF LONE TREE—APPROVED ACCESS POINT. A VEHICLE TRACKING CONTROL PAD IS REQUIRED AT ALL ACCESS POINTS ON THE SITE. ADDITIONAL STABILIZED CONSTRUCTION ENTRANCES MAY BE ADDED WITH AUTHORIZATION FROM THE CITY OF LONE TREE.

20. THE GESC MANAGER IS RESPONSIBLE FOR CLEANUP OF SEDIMENT OR CONSTRUCTION DEBRIS TRACKED ONTO ADJACENT PAVED AREAS. PAVED AREAS INCLUDING STREETS ARE TO BE KEPT CLEAN THROUGHOUT BUILD—OUT AND SHALL BE CLEANED, WITH A STREET SWEEPER OR SIMILAR DEVICE, AT FIRST NOTICE OF ACCIDENTAL TRACKING OR AT THE DISCRETION OF THE CITY OF LONE TREE GESC INSPECTOR. STREET WASHING IS NOT ALLOWED. THE CITY OF LONE TREE RESERVES THE RIGHT TO REQUIRE ADDITIONAL MEASURES TO ENSURE AREA STREETS ARE KEPT FREE OF SEDIMENT AND/OR CONSTRUCTION DEBRIS. OF SEDIMENT AND/OR CONSTRUCTION DEBRIS.

APPROVED EROSION AND SEDIMENT CONTROL BMPS SHALL BE MAINTAINED AND KEPT IN GOOD REPAIR FOR THE DURATION OF THIS PROJECT. AT A MINIMUM, THE GESC MANAGER SHALL INSPECT ALL BMPS IN ACCORDANCE WITH THE ACCEPTED GESC PLAN AND GESC MANUAL. ALL NECESSARY MAINTENANCE AND REPAIR ACTIVITIES SHALL BE COMPLETED WITHIN 48 HOURS FOR LEVEL III VIOLATIONS, AND IMMEDIATELY FOR LEVEL II VIOLATIONS, OR AS DIRECTED BY A CITY OF LONE TREE GESC INSPECTOR. ACCUMULATED SEDIMENT AND CONSTRUCTION DEBRIS SHALL BE REMOVED AND PROPERLY DISPOSED.

22. STRAW BALES ARE NOT A GESC-ACCEPTED SEDIMENT CONTROL BMP. 23. TOPSOIL SHALL BE STRIPPED AND STOCKPILED IN THE LOCATION SHOWN ON THE ACCEPTED GESC PLAN. THE GESC MANAGER SHALL BE SIRIPPED AND STOCKPILED IN THE LOCATION SHOWN ON THE ACCEPTED GESC PLAN. THE GESC MANAGER SHALL SCHEDULE AN INSPECTION WITH THE CITY OF LONE TREE GESC INSPECTOR AS SOON AS TOPSOIL STRIPPING IS COMPLETED. FAILURE TO SCHEDULE SUCH INSPECTION OR FAILURE TO STOCKPILE TOPSOIL SHALL RESULT IN ISSUANCE OF A STOP WORK ORDER. THE STOP WORK ORDER SHALL REMAIN IN PLACE UNTIL TOPSOIL IS STOCKPILED ON SITE OR APPROPRIATE SOIL AMENDMENTS ARE STOCKPILED ON SITE.

24. THE ACCEPTED GESC PLAN MAY REQUIRE CHANGES OR ALTERATIONS AFTER APPROVAL TO MEET CHANGING SITE OR PROJECT CONDITIONS OR TO ADDRESS INEFFICIENCIES IN DESIGN OR INSTALLATION. THE GESC MANAGER SHALL OBTAIN PRIOR APPROVAL FROM THE DESIGN ENGINEER AND THE CITY OF LONE TREE ENGINEERING FOR ANY

25. LINING OF TEMPORARY SWALES AND DITCHES SHALL BE IN ACCORDANCE WITH THE GESC CRITERIA MANUAL. 26. NO PERMANENT EARTH SLOPES GREATER THAN 3:1 SHALL BE ALLOWED.

27. ANY SETTLEMENT OR SOIL ACCUMULATIONS BEYOND THE LIMITS OF CONSTRUCTION DUE TO GRADING OR EROSION SHALL BE REPAIRED IMMEDIATELY BY THE GESC MANAGER, THE GESC MANAGER SHALL BE HELD RESPONSIBLE FOR OBTAINING ACCESS RIGHTS TO ADJACENT PROPERTY, IF NEEDED, AND REMEDIATING ANY ADVERSE IMPACTS TO ADJACENT WATERWAYS, WETLANDS, PROPERTIES, ETC. RESULTING FROM WORK DONE AS PART OF THIS PROJECT.

28. A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND. 29. SOILS THAT WILL BE STOCKPILED FOR MORE THAN THIRTY (30) DAYS SHALL BE SEEDED AND MULCHED WITHIN

(100) FEET OF A DRAINAGE WAY UNLESS APPROVED BY THE CITY OF LONE TREE ENGINEERING DIVISION. 30. ALL CHEMICAL OR HAZARDOUS MATERIAL SPILLS WHICH MAY ENTER WATERS OF THE STATE OF COLORADO. WHICH INCLUDE BUT ARE NOT LIMITED TO, SURFACE WATER, GROUND WATER AND DRY GULLIES OR STORM SEWER LEADING TO SURFACE WATER, SHALL BE IMMEDIATELY REPORTED TO THE CDPHE PER CRS 25-8-601, AND THE CITY OF LONE TREE. 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 AS WELL AS THE CDPHE. THE APPLICABLE CONTACT INFORMATION (SEE APPENDIX A, DOUGLAS COUNTY GESC MANUAL SUBJECT TO CHANGE) IS: COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT TOLL—FREE 24—HOUR ENVIRONMENTAL EMERGENCY SPILL REPORTING LINE 1-877-518-5608; NATIONAL RESPONSE CENTER (24-HOUR NATIONAL SPILL RESPONSE) 1-800-424-8802; CITY OF LONE TREE PUBLIC WORKS (303) 662-8112. SPILLS THAT POSE AN IMMEDIATE RISK TO HUMAN LIFE SHALL BE REPORTED TO 911. FAILURE TO REPORT AND CLEAN UP

FOURTEEN (14) DAYS OF STOCKPILE CONSTRUCTION, NO STOCKPILES SHALL BE PLACED WITHIN ONE HUNDRED

ANY SPILL SHALL RESULT IN ISSUANCE OF A STOP WORK ORDER 31. ALL WORK ON SITE SHALL STAY A MINIMUM OF ONE HUNDRED (100) FEET AWAY FROM ANY DRAINAGE WAY, WETLAND, ETC. UNLESS OTHERWISE NOTED ON AN ACCEPTED CITY OF LONE TREE GESC PLAN.

ALL PROJECTS SHALL BALANCE EARTHWORK QUANTITIES ON SITE. IN THE EVENT A VARIANCE IS GRANTED BY THE CITY ENGINEER TO ALLOW IMPORT OR EXPORT OF MATERIAL, THE PERMITEE SHALL HAVE A GESC PERMIT IN HAND FOR THE IMPORT OR EXPORT SITE PRIOR TO ANY TRANSPORTING OF EARTHEN MATERIAL. THE GESC MANAGER SHALL NOTIFY THE CITY OF LONE TREE GESC INSPECTOR OF THE LOCATION AND GESC PERMIT NUMBERS OF BOTH THE EXPORTING AND IMPORTING SITES PRIOR TO ANY IMPORT/EXPORT OPERATIONS.

THE USE OF REBAR, STEEL STAKES OR STEEL FENCE POSTS FOR STAKING OR SUPPORT OF ANY EROSION OR SEDIMENT CONTROL BMP IS PROHIBITED (EXCEPT STEEL TEE-POSTS FOR USE IN SUPPORTING CONSTRUCTION

THE CLEANING OF CONCRETE DELIVERY TRUCK CHUTES IS RESTRICTED TO APPROVED CONCRETE WASH OUT LOCATIONS ON THE JOB SITE. THE DISCHARGE OF WATER CONTAINING WASTE CONCRETE TO THE STORM SEWER SYSTEM IS PROHIBITED. ALL CONCRETE WASTE SHALL BE PROPERLY CLEANED UP AND DISPOSED AT AN

35. ALL DEWATERING ON SITE SHALL BE COORDINATED WITH A CITY OF LONE TREE GESC INSPECTOR AND BE FREE OF SEDIMENT IN ACCORDANCE WITH THE GESC CRITERIA MANUAL. ALL PERMANENT INSTALLATIONS OF PIPES FOR STORM SEWERS, SLOPE DRAINS, AND CULVERTS, TOGETHER WITH RIPRAP APRONS OR OTHER INLET AND OUTLET PROTECTION, REQUIRE INSPECTION BY THE CITY OF LONE TREE

ENGINEERING (SEPARATE FROM GESC INSPECTIONS). 37. ALL DISTURBED AREAS SHALL BE DRILL SEEDED AND CRIMP MULCHED IN ACCORDANCE WITH THE DOUGLAS COUNTY GESC MANUAL CRITERIA AND THE CITY OF LONE TREE SEEDING AND MULCHING DETAIL (#17) INCLUDED HEREIN WITHIN THIRTY DAYS OF INITIAL EXPOSURE OR WITHIN SEVEN DAYS OF SUBSTANTIAL COMPLETION (AS DEFINED BY THE CITY OF LONE TREE) OF AN AREA, WHICHEVER IS LESS. THIS MAY REQUIRE MULTIPLE MOBILIZATIONS FOR

HYDRAULIC SEEDING AND HYDRAULIC MULCHING ARE NOT AN ACCEPTABLE METHOD OF SEEDING OR MULCHING IN THE CITY OF LONE TREE.

39. NO CURB AND GUTTER PERMITS SHALL BE ISSUED UNTIL ALL DISTURBED AREAS ARE DRILL SEEDED AND CRIMP 40. NO PAVING PERMITS SHALL BE ISSUED UNTIL ALL INTERIM INLET PROTECTION IS INSTALLED AND APPROVED BY THE

41. A FINAL GESC INSPECTION SHALL BE CONDUCTED A MINIMUM OF TWO WEEKS PRIOR TO THE ANTICIPATED REQUEST FOR CERTIFICATE OR TEMPORARY CERTIFICATE OF OCCUPANCY OR INITIAL ACCEPTANCE.

DETAIL SHEET BMP LEGEND <u>NO.</u> <u>NO.</u> (CD) CHECK DAM ____ DEWATERING (DD) DIVERSION DITCH SB SEDIMENT BASIN SEDIMENT TRAP * * * (SF) SILT FENCE 200004

74574

(TER)

TERRACING

CS CURB SOCK

LIMITS OF CONSTRUCTION

(VTC) VEHICLE TRACKING CONTROL

ROCK AND RIPRAP GRADATIONS

(WW) VTC WITH WHEEL WASH

22

COMPOST BLANKET COMPOST FILTER BERM CONCRETE WASHOUT AREA CONSTRUCTION FENCE CONSTRUCTION MARKERS EROSION CONTROL BLANKET INLET PROTECTION REINFORCED CHECK DAM RRB FOR CULVERT PROTECTION SEDIMENT CONTROL LOG SEEDING AND MULCHING STABILIZED STAGING AREA SURFACE ROUGHENING TEMPORARY SLOPE DRAIN TEMPORARY STREAM CROSSING

SECTION CSCALE: 1/4" = 1'-0"CHECK DAM INSTALLATION NOTES 2. CHECK DAMS INDICATED ON INITIAL GESC PLAN SHALL BE INSTALLED AFTER CONSTRUCTION FENCE, BUT PRIOR TO ANY UPSTREAM LAND-DISTURBING ACTIVITIES. 3. RIPRAP UTILIZED FOR CHECK DAMS SHALL HAVE A ${\rm D_{60}}$ MEDIAN STONE SIZE OF 12".

TRANSITION BETWEEN SECTIONS B AND C

-EXCAVATION TO NEAT LINE:

EXCAVATION TO NEAT LINE;

(1'-6" MIN.)

D50=12" RIPRAP SEE THIS SHEET FOR GRADATION

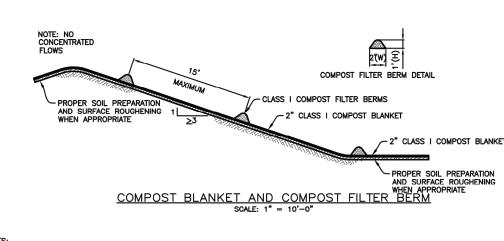
D50=12" RIPRAP SEE THIS SHEET FOR GRADATION

4. RIPRAP PAD SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF 1'-8". 5. THE ENDS OF THE CHECK DAM SHALL BE A MINIMUM OF 1'-6" HIGHER THAN THE CENTER OF THE CHECK DAM. CHECK DAM MAINTENANCE NOTES

- BUCKET FILLED WITH RIPRAP BEDDING SEE SHEET 1 FOR GRADATION

 THE GESC MANAGER SHALL INSPECT CHECK DAMS WEEKLY, DURING AND AFTER ANY STORM EVENT AND MAKE REPAIRS OR CLEAN OUT AS NECESSARY. 2. SEDIMENT ACCUMULATED UPSTREAM OF CHECK DAMS SHALL BE REMOVED WHEN THE SEDIMENT DEPTH UPSTREAM OF CHECK DAM IS WITHIN 1/2 OF THE HEIGHT OF THE CREST.

CHECK DAMS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRASS COVER IS APPROVED BY THE CITY. CD CHECK DAM 1



COMPOST BLANKET NOTES:

1. SEE PLAN VIEW FOR AREA OF COMPOST BLANKET.

MAY BE USED IN PLACE OF STRAW MULCH OR EROSION CONTROL BLANKET IN AREAS WHERE ACCESS IS DIFFICULT DUE TO LANDSCAPING OR OTHER OBJECTS OR IN AREAS WHERE A SMOOTH TURF GRASS FINISH IS DESIRED. SHALL ONLY BE UTILIZED IN AREAS WHERE SHEET FLOW CONDITIONS PREVAIL SHALL BE PROHIBITED IN AREAS OF POSSIBLE CONCENTRATED FLOW.

4. SOIL PREPARATION SHALL BE COMPLETE PER THE SPECIFICATIONS OUTLINED IN THESE CRITERIA PRIOR TO APPLICATION. 5. WHEN TURF GRASS FINISH IS NOT DESIRED, SURFACE ROUGHENING ON SLOPES SHALL TAKE PLACE PRIOR TO APPLICATION.

6. SHALL BE EVENLY APPLIED AT A DEPTH OF 2 INCH. 7. MAYBE APPLIED UTILIZING PNEUMATIC BLOWER, OR BY HAND.

8. SEEDING SHALL BE DRILLED PRIOR TO THE APPLICATION OF COMPOST OR SEED MAY BE COMBINED AND BLOWN WITH THE PNEUMATIC BLOWER. COMPOST FILTER BERM SHALL BE UTILIZED ON SLOPES WITH A MAXIMUM SPACING OF 15 FEET PER THE REQUIREMENTS FOUND IN THE COMPOST FILTER BERM SECTION

10. THE GESC MANAGER SHALL INSPECT WEEKLY DURING AND AFTER ANY STORM EVENT

COMPOST USED IN THE APPLICATION COMPOST AS DEFINED BY THE FOLLO	OF THE COMPOST BLANKET SHALL BE A CLASS I WING PHYSICAL, CHEMICAL, AND BIOLOGICAL PARAMETE
RAMETERS	CLASS I COMPOST FOR COMPOST BLANKET
IMUM STABILITY INDICATOR	STABLE TO VERY STABLE
UBLE SALTS	MAXIMUM 5mmhos/cm
	6.0 - 8.0
INDEX	> 10
URITY INDICATOR EXPRESSED AS RCENTAGE OF GERMINATION/VIGOR	80+/80+
URITY INDICATOR EXPRESSED AS MONIA N/ NITRATE N RATIO	< 4
URITY INDICATOR EXPRESSED AS RBON TO NITROGEN RATIO	20:1
TED FOR CLOPYRALID	YES/NEGATIVE RESULT
STURE CONTENT	30-60 %
SANIC MATTER CONTENT	25-45 % OF DRY WEIGHT
RTICLE SIZE DISTRIBUTION	3" (75mm) 100% PASSING 1" (25mm) 95% TO 100% PASSING 3/4" (19mm) 85% TO 90% PASSING 3/8" (9.5mm) 50% TO 60% PASSING #4 20 TO 35% PASSING
MARY, SECONDARY NUTRIENTS; CE ELEMENT	MUST BE REPORTED
TING AND TEST REPORT SUBMITTAL QUIREMENTS	STA + CLOPYRALID
GANIC MATTER PER CUBIC YARD	MUST REPORT
EMICAL CONTAMINANTS	MEET OR EXCEED US EPA CLASS A STANDARD, 40 CFR 503.1 TABLES 1 & 3 LEVELS
IMILIA MANILIEACTURINO (DRODUCTIONI	CULLY DEDMITTED LINDER COLORADO DEDADTMENT

CB) COMPOST BLANKET (2)

NOTE: CLOPYRALID IS THE COMMON NAME OF A HERBICIDE THAT KILLS BROAD-LEAVED WEEDS SUCH AS DANDELIONS, CLOVER AND THISTLE.

COMPOST FILTER BERM NOTES:

1. SEE PLAN VEW FOR LENGTH OF COMPOST FILTER BERM 2. SHALL BE APPLIED TO ALL SLOPES RECEIVING A COMPOST BLANKET AT 15' INCREMENTS. 3. FILTER BERMS SHALL RUN PARALLEL TO THE CONTOUR. 4. FILTER BERMS SHALL BE A MINIMUM OF 1' H x 2' W.

5. FILTER BERMS SHALL BE APPLIED UTILIZING PNEUMATIC BLOWER, OR BY HAND. SHALL ONLY BE UTILIZED IN AREAS WHERE SHEET FLOW CONDITIONS PREVAIL; SHALL BE PROHIBITED IN AREAS OF POSSIBLE CONCENTRATED FLOW. SOIL PREPARATION SHALL BE COMPLETE PER THE SPECIFICATIONS OUTLINED IN THESE CRITERIA PRIOR TO APPLICATION.

10. THE GESC MANAGER SHALL INSPECT WEEKLY, DURING AND AFTER ANY STORM EVENT.

. COMPOST USED IN THE APPLICATION OF THE COMPOST FILTER BERM SHALL BE A CLASS I COMPOST AS DEFINED BY THE FOLLOWING PHYSICAL CHEMICAL, AND BIOLOGICAL PARAMETER

CLASS I COMPOST FOR COMPOST FILTER BERM
STABLE TO VERY STABLE MINIMUM STABILITY INDICATOR
SOLUBLE SALTS MATURITY INDICATOR EXPRESSED AS MATURITY INDICATOR EXPRESSED AS PERCENTAGE OF GERMINATION/VIGOR MATURITY INDICATOR EXPRESSED AS AMMONIA N/ NITRATE N RATIO MATURITY INDICATOR EXPRESSED AS CARBON TO NITROGEN RATIO TESTED FOR CLOPYRALID MOISTURE CONTENT 3" (75mm) 100% PASSING 1" (25mm) 95% TO 100% PASSING 3/4" (19mm) 85% TO 90% PASSING 3/6" (9.5mm) 50% TO 60% PASSING #4 20 TO 35% PASSING PRIMARY, SECONDARY NUTRIENTS: TRACE ELEMENT
TESTING AND TEST REPORT SUBMITTAL
STA + CLOPYRALID ORGANIC MATTER PER CUBIC YARD

MUST REPORT

CHEMICAL CONTAMINANTS

MEET OR EXCEED US EPA CLASS A STANDARD,
40 CFR 503.1 TABLES 1 & 3 LEVELS

MINIMUM MANUFACTURING/PRODUCTION

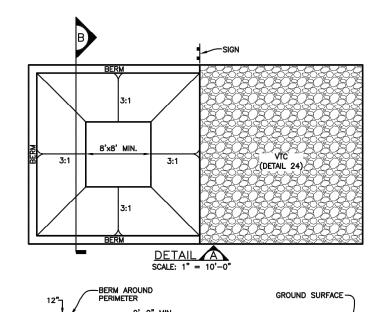
REQUIREMENT

OF PUBLIC HEALTH AND ENVIRONMENT RISK FACTOR RELATING TO PLANT NOTE: IF A BIOSOLID COMPOST IS TO BE UTILIZED IT SHALL BE PRODUCED BY A FACILITY IN POSSESSION OF A VALID NOTICE OF AUTHORIZATION (NOA) FOR THE UNRESTRICTED USE AND DISTRIBUTION BY THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT. THE NOA SHALL BE PROVIDED UPON REQUEST TO CITY OF LONE TREE.

NOTE: A LAB TEST DETAILING THE CHEMICAL, PHYSICAL, AND BIOLOGICAL PARAMETERS SHALL BE PROVIDED UPON REQUEST BY CITY OF LONE TREE.

COMPOST FILTER BERM $\sqrt{3}$

TABLE 1. RIPRAP GRADATIONS



2'-0" MIN.-12" MIN 8'x8' MIN. OR AS REQUIRED TO CONTAIN WASTE CONCRETE SECTION B SCALE: 1" = 10'-0" CONCRETE WASHOUT AREA INSTALLATION NOTES

- SEE PLAN VIEW FOR:

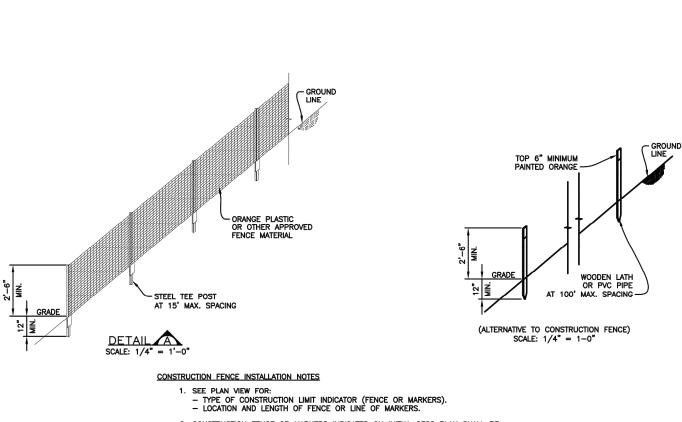
 LOCATIONS OF CONCRETE WASHOUT AREA.
- 2. THE CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE. 3. VEHICLE TRACKING CONTROL (DETAIL 24) IS REQUIRED AT THE ACCESS POINT.
- 4. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
- 5. EXCAVATED MATERIAL SHALL BE UTILIZED IN PERIMETER BERM CONSTRUCTION. CONCRETE WASHOUT AREA MAINTENANCE NOTES THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND ENLARGED OR CLEANED OUT AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.
- 2. AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED WASTE SITE.
- 4. INSPECT WEEKLY, DURING AND AFTER ANY STORM EVENT

6/30/05 ADOPTED FROM DOUGLAS COUNTY GESC PLANS

3. WHEN THE CONCRETE WASHOUT AREA IS REMOVED, THE DISTURBED AREA SHALL BE DRILL SEEDED AND CRIMP MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE CITY. CWA CONCRETE WASHOUT AREA 4

Sheet Revisions

ADD CURB SOCK DETAIL \land (REF UDFCD, V3 FIGURE C5-23), MISC. NOTE EDITS



1. ANY DAMAGED FENCE OR MARKERS SHALL BE REPAIRED ON A DAILY BASIS. FENCE OR MARKERS SHALL BE REMOVED AT THE END OF CONSTRUCTION. IF ANY DISTURBED AREA EXISTS AFTER FENCE REMOVAL, IT SHALL BE DRILL SEEDED AND CRIMP MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE CITY.

NOTE: SCALES

SHOWN ARE

FOR 24"x36'

HEETS; ADJUS

ACCORDINGLY

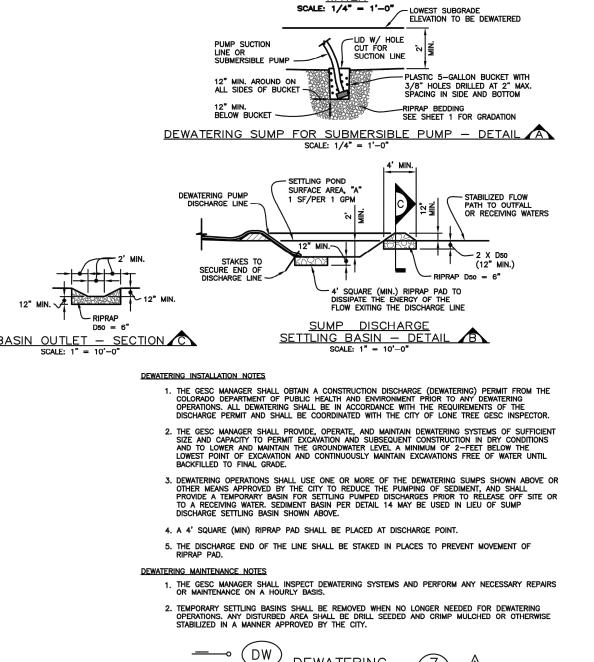
FOR 11"x17'

SHEETS.

---- CF CONSTRUCTION FENCE 5

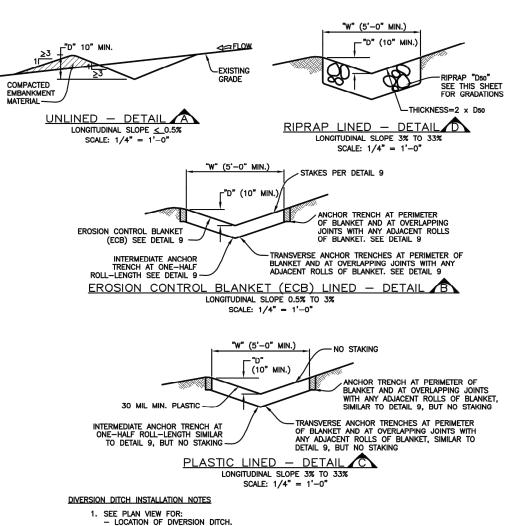


DEPARTMENT OF PUBLIC WORKS Engineering Division



ALTERNATIVE FOR DRAINING POND ALREADY FILLED WITH

DW DEWATERING 7



RISK FACTOR RELATING TO PLANT

1. SEE PLAN VIEW FOR:

- LOCATION OF DIVERSION DITCH.

- TYPE OF DITCH (UNLINED, ECB LINED, PLASTIC LINED OR RIPRAP LINED).

- LENGTH OF EACH TYPE OF DITCH. - DEPTH, "D", AND WIDTH, "W" DIMENSIONS.
- FOR ECB LINED DITCH, EROSION CONTROL BLANKET TYPE (SEE DETAIL 9).
- FOR RIPRAP LINED DITCH, SIZE OF RIPRAP, "D50".

SEE DRAINAGE PLANS FOR DETAILS OF ANY PERMANENT CONVEYANCE FACILITIES OR DIVERSION DITCHES EXCEEDING A 2—YEAR FLOW RATE OF 10 CFS. 3. DIVERSION DITCHES INDICATED ON INITIAL GESC PLAN SHALL BE INSTALLED PRIOR TO ANY LAND-DISTURBING ACTIVITIES.

4. FOR ECB LINED DITCHES, INSTALLATION OF EROSION CONTROL BLANKET SHALL CONFORM TO THE REQUIREMENTS OF DETAIL 9. IN LOCATIONS WHERE CONSTRUCTION TRAFFIC MUST CROSS A DIVERSION DITCH, THE PERMITTEES SHALL INSTALL A TEMPORARY CULVERT WITH A MINIMUM DIAMETER OF 12—INCHES.

 THE GESC MANAGER SHALL INSPECT DIVERSION DITCHES WEEKLY, DURING AND AFTER ANY STORM EVENT AND MAKE REPAIRS OR CLEAN OUT AS NECESSARY. 2. DIVERSION DITCHES ARE TO REMAIN IN PLACE UNTIL THE END OF CONSTRUCTION, OR, IF APPROVED BY THE CITY, LEFT IN PLACE. 3. IF DIVERSION DITCHES ARE REMOVED, THE DISTURBED AREA SHALL BE DRILL SEEDED AND CRIMP MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE CITY.

- (DD) DIVERSION DITCH (8) A

D50 MEDIAN STONE SIZE (INCHES)	% OF MATERIAL SMALLER THAN TYPICAL STONE DIAMETER (INCHES		TYPICAL STONE WEIGHT (POUNDS)
6	70 - 100 50 - 70 35 - 50 2 - 10	12 9 6 2	85 35 10 0.4
9	70 - 100 50 - 70 35 - 50 2 - 10	15 12 9 3	160 85 35 1.3
12	70 - 100 50 - 70 35 - 50 2 - 10	21 18 12 4	440 275 85 3
18	100 50 - 70 35 - 50 2 - 10	30 24 18 6	1280 650 275 10
24	100 50 - 70 35 - 50	42 33 24	3500 1700 650

TABLE 2. RIPRAP BEDDING

SIEVE SIZE	MASS PERCENT PASSING SQUARE MESH SIEVES			
	CLASS A			
3"	100			
1 1/2" NO. 4	20 - 90 0 - 20			
NO. 200	0 – 3			
MATCHES SPECIFICATIONS FOR CDOT CLASS A FILTER MATERIAL AND UDFCD TYPE 1 BEDDING. ALL ROCK SHALL BE FRACTURED FACE, ALL SIDES.				

TABLE 3. 1 1/2" CRUSHED ROCK

SIEVE SIZE	MASS PERCENT PASSING SQUARE MESH SIEVES			
	NO. 4			
2"	100			
1 1/2"	90 - 100			
1"	20 - 55			
3/4"	0 - 15			
3/8"	0 - 5			
MATCHES SPECIFICATIONS FOR NO. 4 COARSE AGGREGATE FOR CONCRETE PER ASHTO M43. ALL ROCK SHALL BE FRACTURED FACE, ALL SIDES.				

<u>ROCK AND RIPRAP GRADATIONS</u>

GESC PLAN GESC GRADING, EROSION, AND SEDIMENT CONTROL STANDARD NOTES SEDIMENT CONTROL AND DETAILS

SHEET OF 3

Greenwood Village, CO 80111 303.770.8884 GallowayUS.com

COPYRIGHT THESE PLANS ARE AN INSTRUMENT OF SERVICE

AND ARE THE PROPERTY OF GALLOWAY, AND MAY NOT BE DUPLICATED, DISCLOSED, OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF GALLOWAY. COPYRIGHTS AND INFRINGEMENTS WILL BE ENFORCED AND PROSECUTED



-0003 ECE

03/13/24 2ND SUBMITTAL ___05/08/24___3RD SUBMITTAL

AMC000002 JANUARY 2024

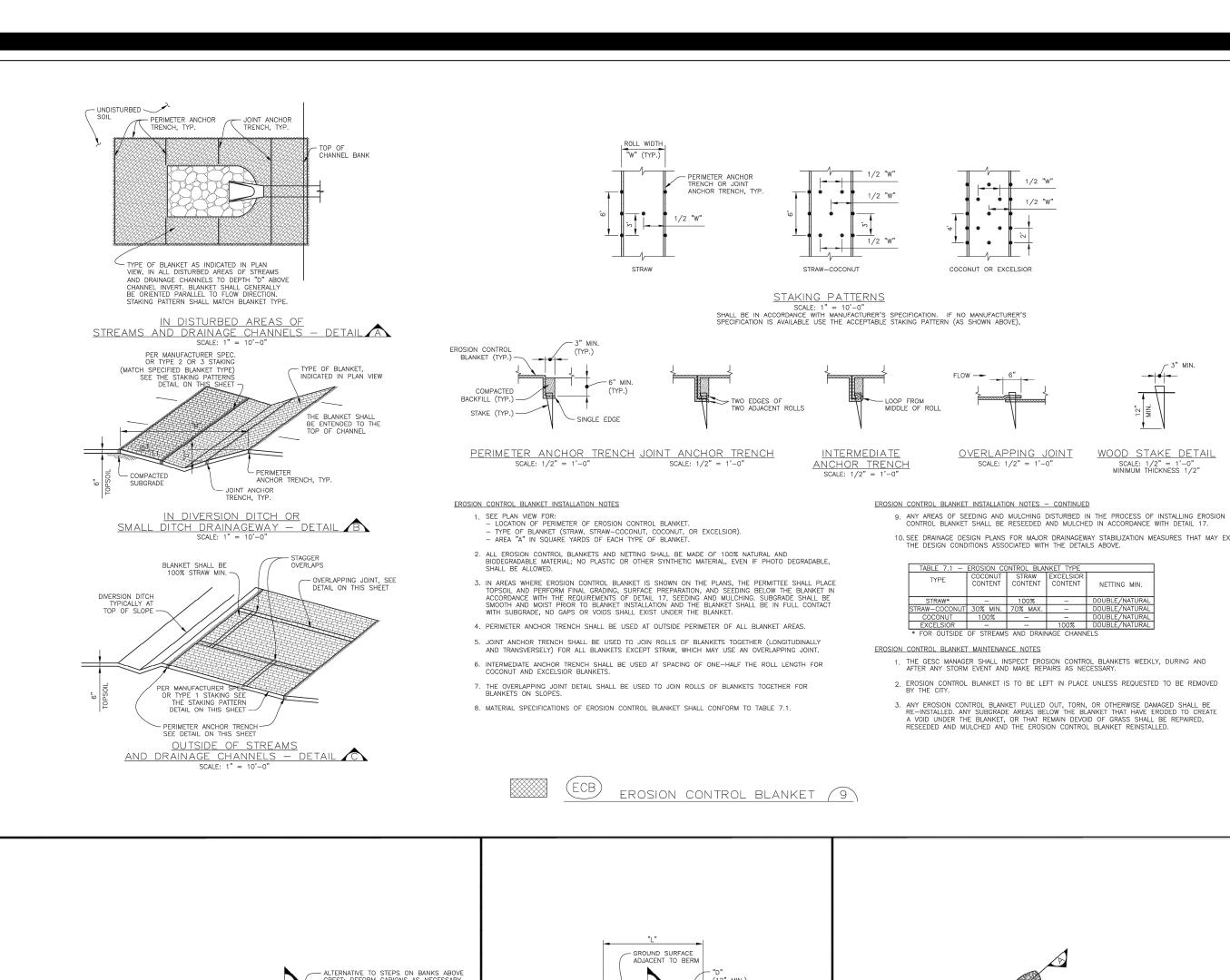
EROSION CONTROL DETAILS

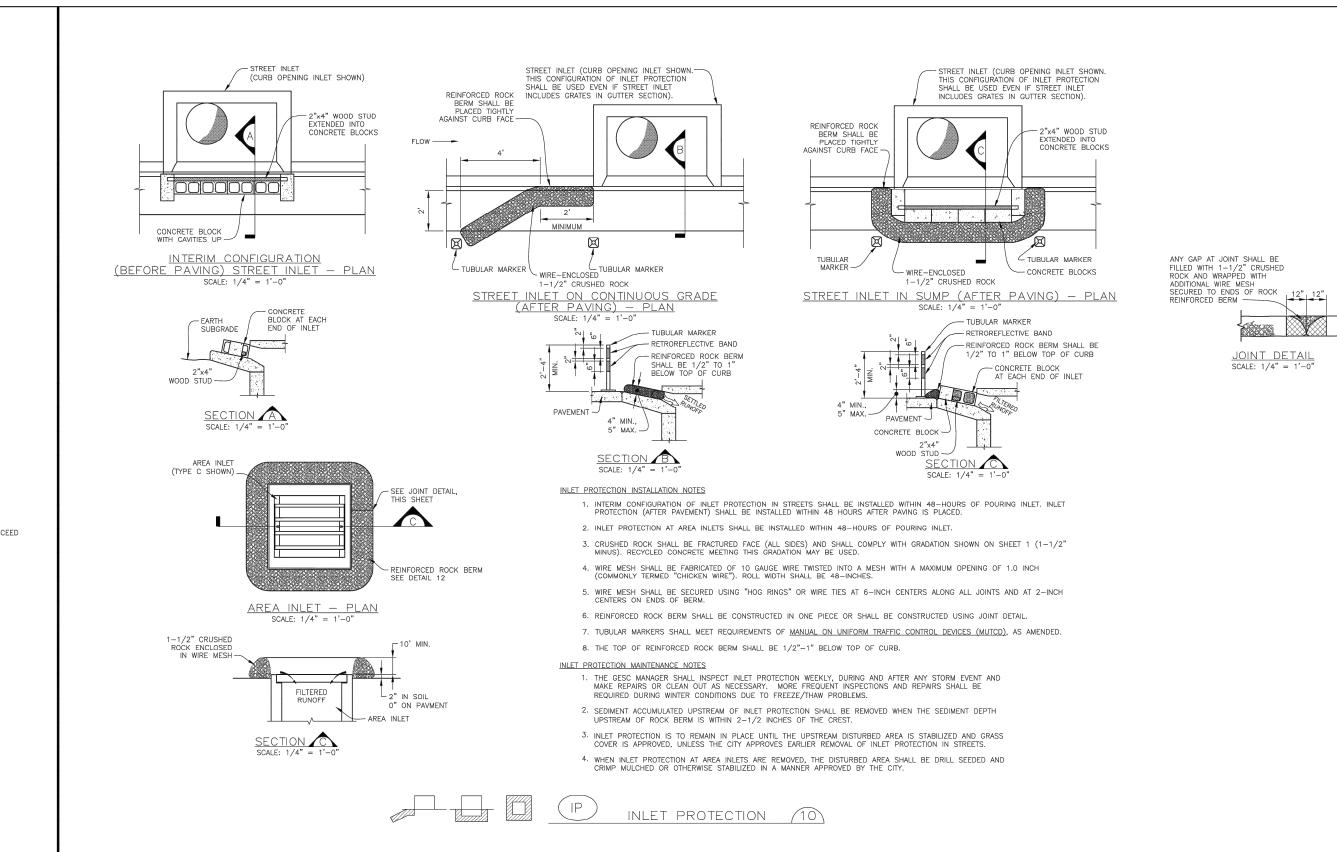
CENTENNIAL RIDGE

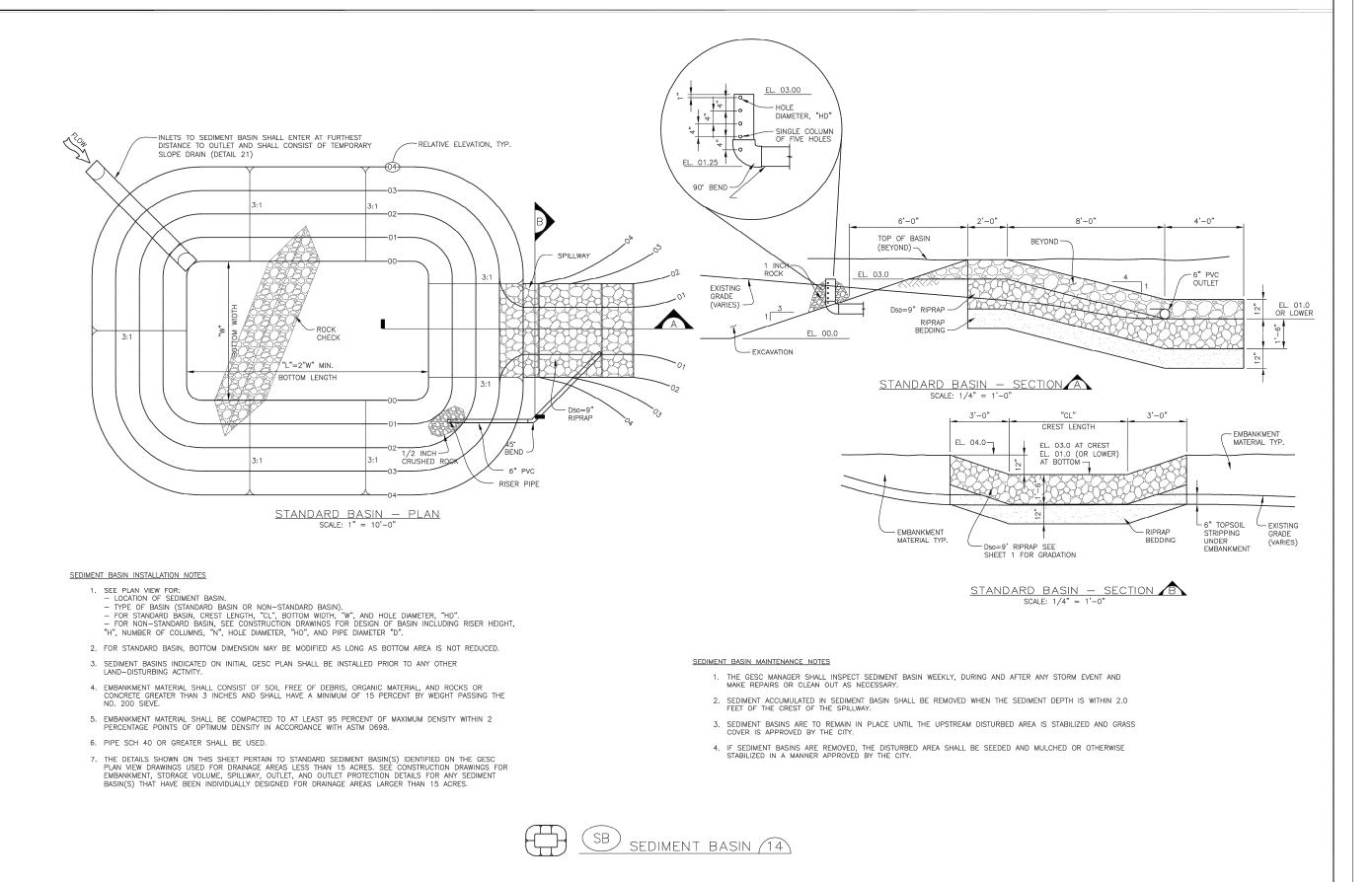
AMBLESIDE SCHOOL

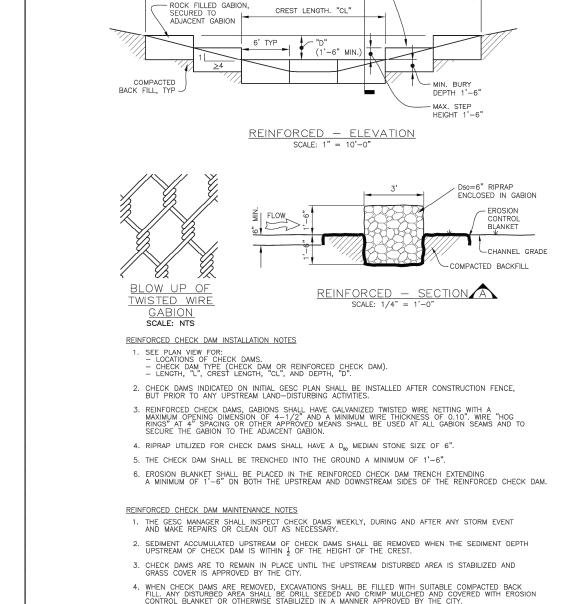
SITE IMPROVEMENT PLAN - SP24-0003











RCD REINFORCED CHECK DAM (11)

Sheet Revisions NOTE: SCALES SHOWN ARE 6/30/05 | ADOPTED FROM DOUGLAS COUNTY GESC PLANS FOR 24"x36' SHEETS; ADJUS ACCORDINGLY ADD CURB SOCK DETAIL (REF UDFCD, V3 FIGURE C5-23), MISC. NOTE EDITS GAW FOR 11"x17" SHEETS.



GROUND SURFACE

0" IN BED ROCK 2" IN SOIL

REINFORCED ROCK BERM INSTALLATION NOTES

ANY GAP AT JOINT SHALL BE

SEE PLAN VIEW FOR:

- LOCATIONS OF REINFORCED ROCK BERMS.

- LENGTH, "L", AND DEPTH, "D" DIMENSIONS.

ANT GAP AI JUINI SHALL BE
FILLED WITH 1 1/2" CRUSHED
ROCK AND WRAPPED WITH
ADDITIONAL WIRE MESH
SECURED TO ENDS OF ROCK
12" 12"
REINFORCED BERM

SECTION D SCALE: 1/4" = 1'-0"

2. REINFORCED ROCK BERM SECTION APPLIES TO CULVERT INLET FILTER AND INLET PROTECTION.

3. CRUSHED ROCK SHALL BE FRACTURED FACE (ALL SIDES) AND SHALL COMPLY WITH GRADATION SHOWN ON SHEET 1 (1-1/2" MINUS). RECYCLED CONCRETE MEETING THIS GRADATION MAY BE USED.

4. WIRE MESH SHALL BE FABRICATED OF 10 GAUGE WIRE TWISTED INTO A MESH WITH A MAXIMUM OPENING OF 1.0 INCH (COMMONLY TERMED "CHICKEN WIRE"). ROLL WIDTH SHALL BE 48—INCHES.

WIRE MESH SHALL BE SECURED USING "HOG RINGS" OR WIRE TIES AT 6-INCH CENTERS ALONG ALL JOINTS AND AT 2-INCH CENTERS ON ENDS OF BERM.

FOR CONCENTRATED FLOW AREAS THE ENDS OF THE REINFORCED ROCK BERM SHALL BE 12" HIGHER THAN THE CENTER OF THE BERM.

REINFORCED ROCK BERM MAINTENANCE NOTES

1. THE GESC MANAGER SHALL INSPECT REINFORCED ROCK BERM WEEKLY, DURING AND AFTER ANY STORM EVENT AND MAKE REPAIRS OR CLEAN OUT AS NECESSARY.

2. SEDIMENT ACCUMULATED UPSTREAM OF REINFORCED ROCK BERM SHALL BE REMOVED WHEN THE SEDIMENT DEPTH UPSTREAM OF FILTER IS WITHIN 5 INCHES OF THE CREST.

3. REINFORCED ROCK BERMS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRASS COVER IS APPROVED.

WHEN REINFORCED ROCK BERMS ARE REMOVED, ANY DISTURBED AREA SHALL BE DRILL SEEDED AND CRIMP MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE CITY.

RRB) REINFORCED ROCK BERM (12)

SCALE: 1" = 10'-0"

1-1/2" CRUSHED ROCK ENCLOSED IN WIRE MESH

SECTION B SCALE: 1/4" = 1'-0"

2. CRUSHED ROCK SHALL BE FRACTURED FACE (ALL SIDES) AND SHALL COMPLY WITH GRADATION SHOWN ON SHEET 1 (1-1/2" MINUS). RECYCLED CONCRETE MEETING THIS GRADATION MAY BE USED.

3. WIRE MESH SHALL BE FABRICATED OF 10 GAUGE WIRE TWISTED INTO A MESH WITH A MAXIMUM OPENING OF 1.0 INCH (COMMONLY TERMED "CHICKEN WIRE").

WIRE MESH SHALL BE SECURED USING "HOG RINGS" OR WIRE TIES AT 6-INCH CENTERS ALONG ALL JOINTS AND AT 2-INCH CENTERS ON ENDS OF BERM.

5. THE ENDS OF THE REINFORCED ROCK BERM SHALL BE 12" HIGHER THAN THE CENTER OF THE BERM.

THE GESC MANAGER SHALL INSPECT CULVERT INLET FILTER WEEKLY, DURING AND AFTER ANY STORM EVENT AND MAKE REPAIRS OR CLEAN OUT AS NECESSARY.

3. RRB FOR CULVERT PROTECTION ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRASS COVER IS APPROVED BY THE CITY.

4. WHEN CULVERT INLET FILTERS ARE REMOVED, ANY DISTURBED AREA SHALL BE DRILL SEEDED AND CRIMP MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE CITY.

RRC RRB FOR CULVERT PROTECTION (13)

2. SEDIMENT ACCUMULATED UPSTREAM OF CULVERT INLET FILTER SHALL BE REMOVED WHEN THE SEDIMENT DEPTH UPSTREAM OF FILTER IS $\frac{1}{2}$ THE HEIGHT OF THE REINFORCED ROCK BERM.

-0" ON BEDROCK OR RIPRAP

INSTALLATION NOTES

SEE PLAN VIEW FOR:

 LOCATIONS OF CULVERT INLET FILTERS.
 LENGTH, "L", AND DEPTH, "D".

ANY GAP AT JOINT SHALL BE
FILLED WITH 1-1/2" CRUSHED
ROCK AND WRAPPED WITH
ADDITIONAL WIRE MESH
SECURED TO ENDS OF ROCK
REINFORCED BERM

DEPARTMENT OF PUBLIC WORKS Engineering Division

GESC GRADING, EROSION, AND SEDIMENT CONTROL

GESC PLAN STANDARD NOTES AND DETAILS

SHEET 2 OF 3

Greenwood Village, CO 80111

303.770.8884 GallowayUS.com

COPYRIGHT THESE PLANS ARE AN INSTRUMENT OF SERVICE AND ARE THE PROPERTY OF GALLOWAY, AND MAY NOT BE DUPLICATED, DISCLOSED, OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF GALLOWAY. COPYRIGHTS AND INFRINGEMENTS WILL BE ENFORCED AND PROSECUTED.



AMBLESIDE (LINCOLN AVESITE IMPROV

Date Issue / Description 03/13/24 2ND SUBMITTAL 05/08/24 3RD SUBMITTAL

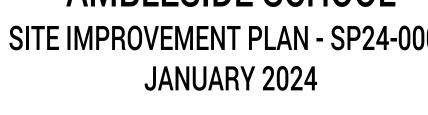
AMC000002 JANUARY 2024

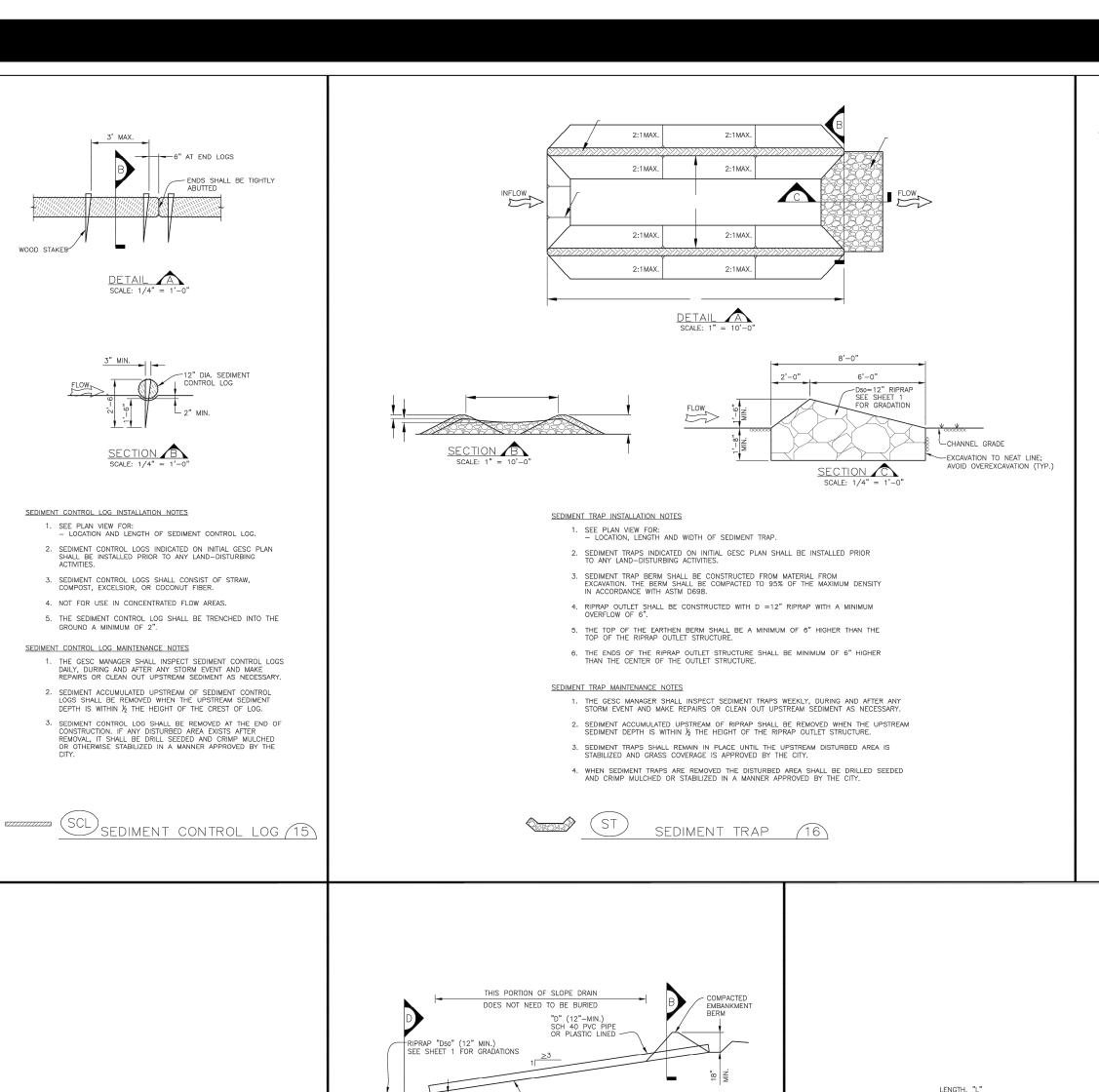
EROSION CONTROL DETAILS

CENTENNIAL RIDGE

AMBLESIDE SCHOOL

SITE IMPROVEMENT PLAN - SP24-0003

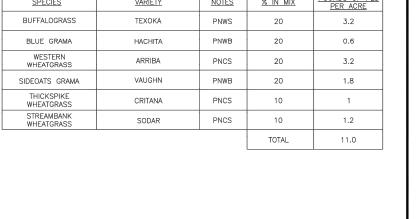




SEED	ING AND MULCHING INSTALLATION NOTES	CITY OF	LONE TREE PERM	MANENT I	DRILL SEEDI	NG MIX
1.	SEE PLAN VIEW FOR: — AREA OF SEEDING AND MULCHING. — TYPE OF SEED MIX (PERMANENT, TEMPORARY, OR LOW-GROWTH).	SPECIES	VARIETY	NOTES	% IN MIX	POUNDS OF I
2	ALL BRANDS FURNISHED SHALL BE FREE FROM SUCH NOXIOUS SEEDS AS RUSSIAN OR	BIG BLUESTEM	KAW	PNWS	10	1.1
۷.	CANADIAN THISTLE, COARSE FESCUE, EUROPEAN BINDWEED, JOHNSON GRASS, KNAP WEED AND LEAFY SPURGE.	YELLOW INDIANGRASS	CHEYENNE	PNWS	10	1
3.	THE SEEDER SHALL FURNISH TO THE CONTRACTOR A SIGNED STATEMENT CERTIFYING THAT THE SEED FURNISHED IS FROM A LOT THAT HAS BEEN TESTED BY A RECOGNIZED	SWITCHGRASS	BLACKWELL	PNWS	10	0.4
	LABORATORY. SEED WHICH HAS BECOME WET, MOLDY, OR OTHERWISE DAMAGED IN TRANSIT OR IN STORAGE WILL NOT BE ACCEPTABLE. SEED TICKETS SHALL BE PROVIDED TO CITY OF LONE TREE UPON REQUEST.	SIDEOATS GRAMA	VAUGHN	PNWB	10	0.9
4.	DRILL SEEDING MIX SHALL CONFORM TO THE TABLE ON THE RIGHT:	WESTERN WHEATGRASS	ARRIBA	PNCS	10	1.6
		BLUE GRAMA	HACHITA	PNWB	10	0.3
	LESSER PERCENTAGE OF PURITY OR GERMINATION BY FURNISHING SUFFICIENT ADDITIONAL SEED TO EQUAL THE SPECIFIED PRODUCT. THE TAGS FROM THE SEED MIXES MUST BE	THICKSPIKE WHEATGRASS	CRITANA	PNCS	10	1
	SUPPLIED TO CONTRACTOR AND FORWARDED TO THE CITY OF LONE TREE GESC INSPECTOR.	PRAIRIE SANDREED	GOSHEN	PNWS	10	0.7
6.	THE FORMULA USED FOR DETERMINING THE QUANTITY OF PURE LIVE SEED (PLS) SHALL BE (POUNDS OF SEED) X (PURITY) X (GERMINATION) = POUNDS OF PURE LIVE SEED (PLS).	GREEN NEEDLEGRASS	LODORM	PNCB	10	1
	PERMANENT SEED MIX SHALL BE USED UNLESS OTHERWISE APPROVED BY THE CITY.	SLENDER WHEATGRASS	PRYOR	PNCB	5	0.6
8.	ALL AREAS TO BE SEEDED AND MULCHED SHALL HAVE NATIVE TOPSOIL OR APPROVED SOIL AMENDMENTS SPREAD TO A DEPTH OF AT LEAST 6 INCHES (LOOSE DEPTH). HAUL ROADS AND OTHER COMPACTED AREAS SHALL BE LOOSENED TO A DEPTH OF 6 INCHES PRIOR TO	STREAMBANK WHEATGRASS	SODAR	PNCS	5	0.6
	SPREADING TOPSOIL.				TOTAL	9.2
9.	SOIL IS TO BE THOROUGHLY LOOSENED (TILLED) TO A DEPTH OF AT LEAST 6 INCHES PRIOR TO SEEDING. THE TOP 6 INCHES OF THE SEED BED SHALL BE FREE OF ROCKS GREATER THAN 4 INCHES AND SOIL CLODS GREATER THAN 2 INCHES. SEEDING OVER ANY COMPACTED AREAS THAT HAVEN'T BEEN THOROUGHLY LOOSENED SHALL BE REJECTED.					NG MIX
						POLINDS OF

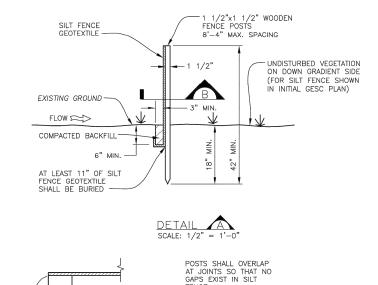
TO SEEDING. THE TOP 6 INCHES OF THE SEED BD SHALL BE FREE OF ROCKS GREATER THAN 4 INCHES AND SOIL CLODS GREATER THAN 2 INCHES. SEEDING OVER ANY COMPACTED AREAS THAT HAVEN'T BEEN THOROUGHLY LOOSENED SHALL BE REJECTED.	CITY OF	LONE TREE TEMP	ORARY D	RILL SEEDI	NG MIX
10. SEED IS TO BE APPLIED USING A MECHANICAL DRILL TO A DEPTH OF 1/4 INCH. ROW	SPECIES	VARIETY	NOTES	% IN MIX	POUNDS OF PLS PER ACRE
SPACING SHALL BE NO MORE THAN 6 INCHES. MATERIAL USED FOR MULCH SHALL CONSIST OF LONG-STEMMED STRAW. AT LEAST 50 PERCENT OF THE MULCH, BY WEIGHT, SHALL BE 10 INCHES OR MORE IN LENGTH. MULCH SHALL BE APPLIED AND MECHANICALLY ANCHORED TO	SMOOTH BROMEGRASS	LINCOLN	PICS	30	3.9
A DEPTH OF AT LEAST 2 INCHES. MULCH SHALL BE APPLIED AT A RATE OF 4000 LB. OF STRAW PER ACRE.	INTERMEDIATE WHEATGRASS	OAHE	PICS	30	4.5
11. IF THE PERMITTEE DEMONSTRATES TO THE CITY THAT IT IS NOT POSSIBLE TO DRILL SEED, SEED IS TO BE UNIFORMLY BROADCAST AT TWO TIMES THE DRILLED RATE, THEN LIGHTLY HARROWED TO PROVIDE A SEED DEPTH OF APPROXIMATELY 1/4 INCH, THEN ROLLED TO COMPACT, THEN MULCHED AS SPECIFIED ABOVE.	PUBESCENT WHEATGRASS	LUNA	PICS	30	4.2
	ANNUAL RYEGRASS	N/A	AICB	10	0.8
12. SEEDING AND MULCHING SHALL BE COMPLETED WITHIN 30 DAYS OF INITIAL EXPOSURE OR 7 DAYS AFTER GRADING IS SUBSTANTIALLY COMPLETE IN A GIVEN AREA (AS DEFINED BY THE				TOTAL	13.4
CITY). THIS MAY REQUIRE MULTIPLE MOBILIZATIONS FOR SEEDING AND MULCHING.					
13. MULCH SHALL BE APPLIED WITHIN 24-HOURS OF SEEDING.	CITY OF	LONE TREE LOW-	-GROWTH	DRILL SEE	DING MIX

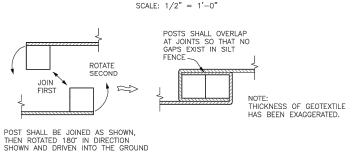
CITY OF	LONE TREE LOW-	GROWTH	DRILL SEE	DING MIX
SPECIES	VARIETY	NOTES	% IN MIX	POUNDS OF PLS PER ACRE
BUFFALOGRASS	TEXOKA	PNWS	20	3.2
BLUE GRAMA	HACHITA	PNWB	20	0.6
WESTERN WHEATGRASS	ARRIBA	PNCS	20	3.2
SIDEOATS GRAMA	VAUGHN	PNWB	20	1.8
THICKSPIKE WHEATGRASS	CRITANA	PNCS	10	1
STREAMBANK WHEATGRASS	SODAR	PNCS	10	1.2
			TOTAL	11.0



SM SEEDING AND MULCHING 17

CURB SOCK DETAIL A





JOINTS — SECTION B SCALE: N.T.S. SILT FENCE INSTALLATION NOTES

 SEE PLAN VIEW FOR:

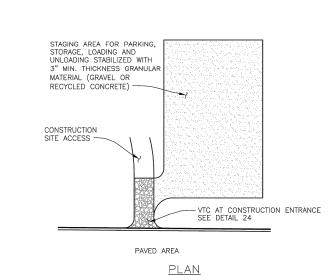
 LOCATION AND LENGTH OF FENCE.

 2. ANCHOR TRENCH SHALL BE EXCAVATED WITH TRENCHER, OR WITH SILT FENCE INSTALLATION MACHINE; NO ROAD GRADERS, BACKHOES, ETC. SHALL BE USED. TRENCH SHALL BE COMPACTED BY HAND, WITH "JUMPING JACK", OR BY WHEEL ROLLING, COMPACTION SHALL BE SUCH THAT SILT FENCE RESISTS BEING PULLED OUT OF ANCHOR TRENCH BY HAND. 3. SILT FENCE GEOTEXTILE SHALL MEET THE FOLLOWING REQUIREMENTS:

 6-TO 12-GALLONS PER MINUTE PER SQUARE FOOT FLOW CAPACITY.
 90 LB. TENSILE STRENGTH PER ASTM D4622.
 UV DESIGN AT 500 HRS MIN. 70% STRENGTH RETAINED PER ASTM D 4355. 4. SILT FENCE INDICATED ON INITIAL GESC PLAN SHALL BE INSTALLED PRIOR TO ANY LAND-DISTURBING ACTIVITIES. SILT FENCE MAINTENANCE NOTES

 THE GESC MANAGER SHALL INSPECT SILT FENCE DAILY, DURING AND AFTER ANY STORM EVENT AND MAKE REPAIRS OR CLEAN OUT UPSTREAM SEDIMENT AS NECESSARY. 2. SEDIMENT ACCUMULATED UPSTREAM OF SILT FENCE SHALL BE REMOVED WHEN THE UPSTREAM SEDIMENT REACHES A DEPTH OF 6-INCHES. 3. SILT FENCE SHALL BE REMOVED WHEN THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRASS COVER IS APPROVED BY THE CITY. IF ANY DISTURBED AREA EXISTS AFTER REMOVAL, IT SHALL BE SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE CITY.



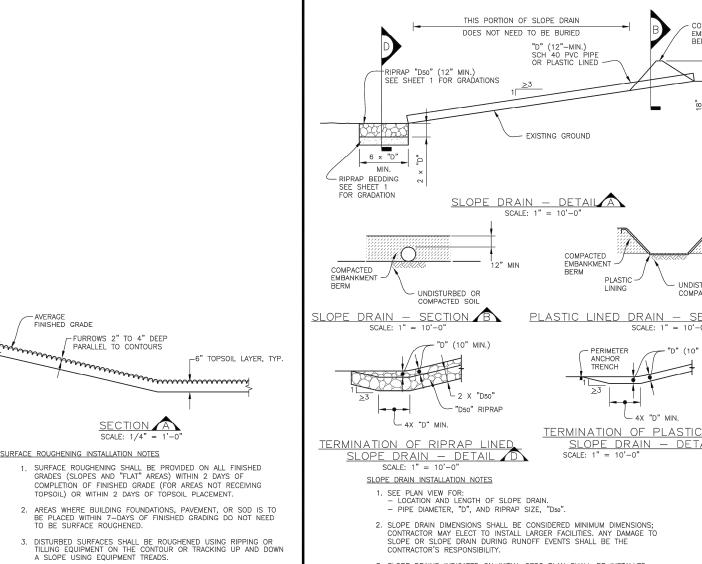


STABILIZED STAGING AREA INSTALLATION NOTES SEE PLAN VIEW FOR GENERAL LOCATION OF STAGING AREA. CONTRACTOR MAY MODIFY LOCATION AND SIZE OF STABILIZED STAGING AREA WITH CITY APPROVAL.

- STABILIZED STAGING AREA SHALL BE LARGE ENOUGH TO FULLY CONTAIN PARKING, STORAGE, AND UNLOADING AND LOADING OPERATIONS.
- IF REQUIRED BY THE CITY, SITE ACCESS ROADS SHALL BE STABILIZED IN THE SAME MANNER AS THE STAGING AREA. STAGING AREA SHALL BE STABILIZED PRIOR TO ANY OTHER OPERATIONS ON THE SITE.
- THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM OF 3" OF GRANULAR MATERIAL (GRAVEL OR RECYCLED CONCRETE).
- STABILIZED STAGING AREA MAINTENANCE NOTES THE GESC MANAGER SHALL INSPECT THE STABILIZED STAGING AREA WEEKLY, DURING AND AFTER ANY STORM EVENT AND MAKE REPAIRS OR CLEAN OUT UPSTREAM SEDIMENT AS NECESSARY.
- GESC MANAGER SHALL PROVIDE ADDITIONAL THICKNESS OF GRANULAR MATERIAL IF ANY RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

- 4. ANY ACCUMULATED DIRT OR MUD SHALL BE REMOVED FROM THE SURFACE OF THE STABILIZED STAGING AREA. 5. THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY THE CITY, USED ON SITE, AND THE AREA TOPSOILED, DRILL SEEDED AND CRIMP MULCHED OR OTHERWISE STABILIZED.

SSA STABILIZED STAGING AREA 19 A



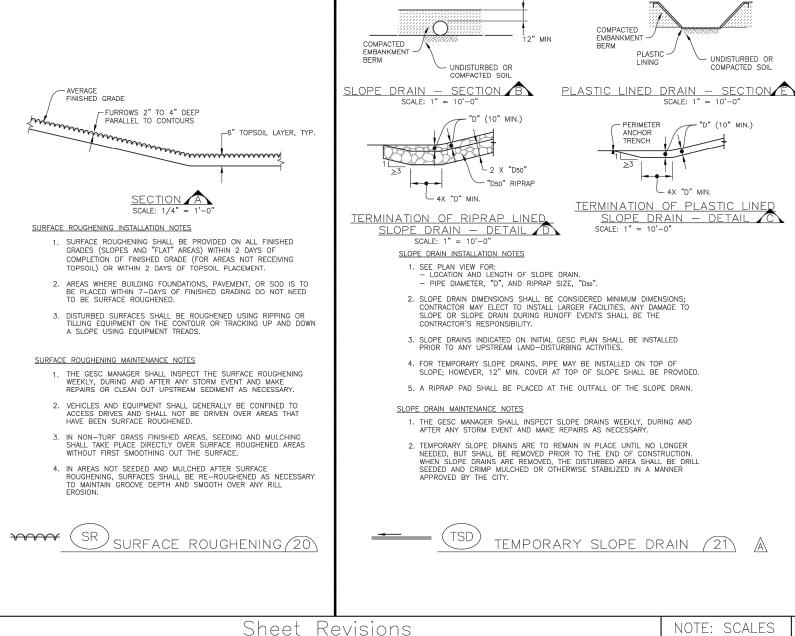
SURFACE ROUGHENING MAINTENANCE NOTES

EDIT UPDATES

UPDATE VTC & WW 🛕

ADOPTED FROM DOUGLAS COUNTY GESC PLANS

ADD CURB SOCK DETAIL (REF UDFCD, V3 FIGURE C5-23), MISC. NOTE EDITS



SHOWN ARE

FOR 24"x36"

SHEETS; ADJUST

ACCORDINGLY

FOR 11"x17

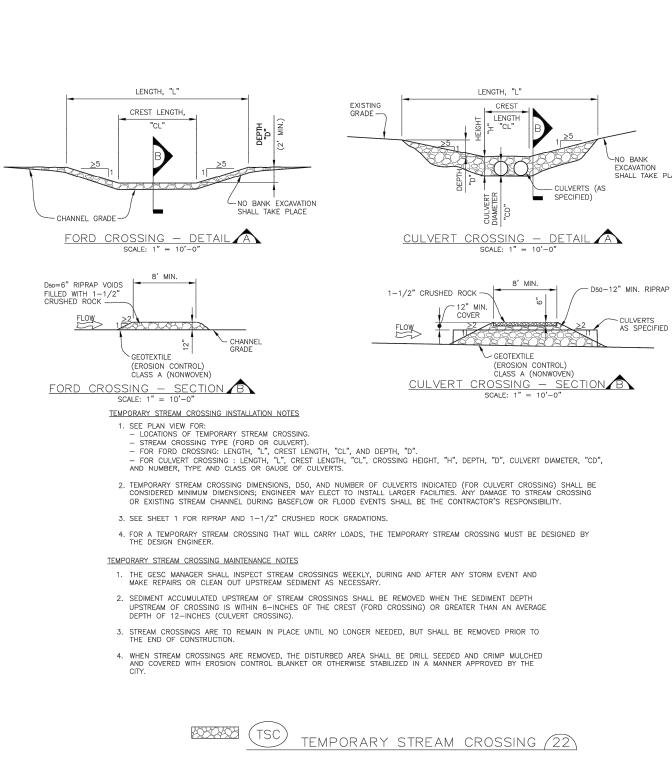
SHEETS.

MLP

GAW

GAW

GAW



CITY OF LONE TREE

DEPARTMENT OF PUBLIC WORKS

Engineering Division

SEEDING AND MULCHING MAINTENANCE NOTES

3. FREE OF ERODED AREAS.

3. FREE OF ERODED AREAS.

14. TACKIFIER SHOULD BE UTILIZED TO HELP WITH STRAW DISPLACEMENT.

SEEDED AND MULCHED AREAS SHALL BE INSPECTED FOR REQUIRED COVERAGE MONTHLY
FOR A PERIOD OF TWO YEARS FOLLOWING INITIAL SEEDING. REPAIRS AND RE—SEEDING
AND MULCHING SHALL BE UNDETTAKEN AFTER THE FIRST GROWING SEASON FOR ANY
AREAS FAILING TO MEET THE REQUIRED COVERAGE.

THREE (3) PLANTS PER SQUARE FOOT WITH A MINIMUM HEIGHT OF 3 INCHES. THE 3 PLANTS PER SQUARE FOOT SHALL BE OF THE VARIETY AND SPECIES FOUND IN THE CITY OF LONE TREE—APPROVED MIX.

2. NO BARE AREAS LARGER THAN 4 SQUARE FEET (TWO-FEET BY TWO-FEET OR

4. FREE FROM INFESTATION OF NOXIOUS WEEDS IN ACCORDANCE WITH SECTION 6.4 OF THE GESC CRITERIA MANUAL.

2. NO BARE AREAS LARGER THAN 4 SQUARE FEET (TWO-FEET BY TWO-FEET OR

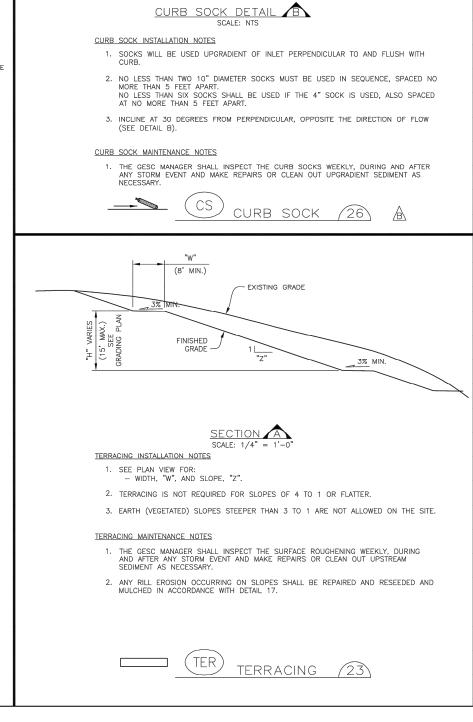
FREE FROM INFESTATION OF NOXIOUS WEEDS IN ACCORDANCE WITH SECTION 6.4 OF THE GESC CRITERIA MANUAL.

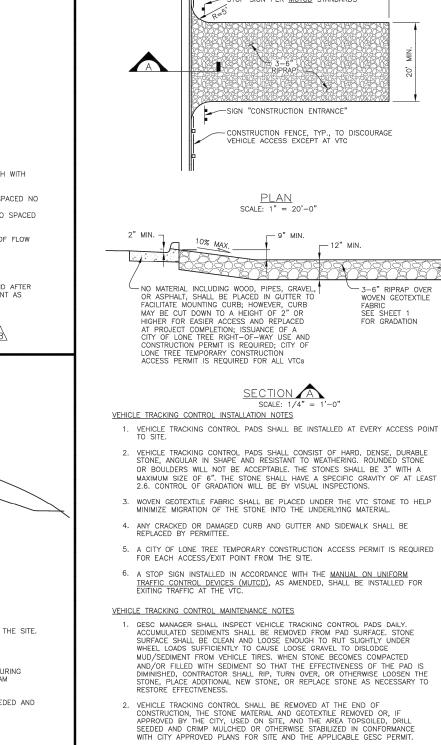
4. RILL AND GULLY EROSION SHALL BE FILLED WITH TOPSOIL PRIOR TO RESEEDING. THE RESEEDING METHOD SHALL BE APPROVED BY THE CITY.

3. REQUIRED COVERAGE FOR TURF GRASS AREAS SHALL BE DEFINED AS FOLLOWS:

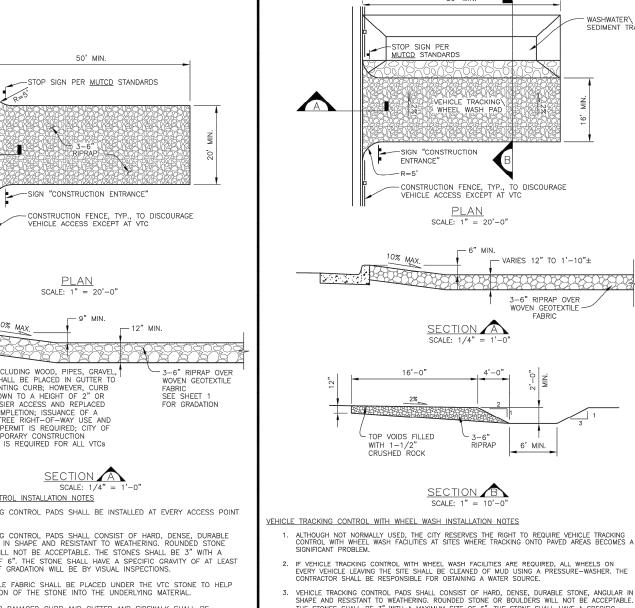
1. AT LEAST 80% VEGETATIVE COVER OF GRASS SPECIES PLANTED.

2. REQUIRED COVERAGE FOR STANDARD, OPEN SPACE AND LOW GROWTH SEED MIXES SHALL BE DEFINED AS FOLLOWS:





VTC VEHICLE TRACKING CONTROL 24 /



VEHICLE TRACKING CONTROL PADS SHALL CONSIST OF HARD, DENSE, DURABLE STONE, ANGULAR IN SHAPE AND RESISTANT TO WEATHERING. ROUNDED STONE OR BOULDERS WILL NOT BE ACCEPTABLE. THE STONES SHALL BE 3" WITH A MAXIMUM SIZE OF 6". THE STONE SHALL HAVE A SPECIFIC GRAVITY OF AT LEAST 2.6. CONTROL OF GRADATION WILL BE BY VISUAL INSPECTION. - WOVEN GEOTEXTILE FABRIC SHALL BE PLACED UNDER THE VTC STONE TO HELP MINIMIZE MIGRATION OF THE STONE INTO THE UNDERLYING BASE MATERIAL. 5. ANY CRACKED OR DAMAGED CURB AND GUTTER AND SIDEWALK SHALL BE REPLACED BY PERMITEE. 6. A CITY OF LONE TREE TEMPORARY CONSTRUCTION ACCESS PERMIT IS REQUIRED FOR EACH ACCESS/EXIT POINT FROM THE SITE. 7. A STOP SIGN INSTALLED IN ACCORDANCE WITH THE <u>MANUAL ON UNIFORM TRAFFIC CONTROL</u> <u>DEVICES (MUTCD)</u>, AS AMENDED, SHALL BE INSTALLED FOR EXITING TRAFFIC AT THE VTC. HICLE TRACKING CONTROL WITH WHEEL WASH MAINTENANCE NOTES

1. GESC MANAGER SHALL INSPECT VEHICLE TRACKING CONTROL PADS DAILY, ACCUMULATED SEDIMENTS SHALL BE REMOVED FROM PAD SURFACE. STONE SURFACE SHALL BE CLEAN AND LOOSE ENOUGH TO RUT SLIGHTLY UNDER WHEEL LOADS SUFFICIENTLY TO CAUSE LOOSE GRAVEL TO DISLODGE MUD/SEDIMENT FROM VEHICLE TIRES. WHEN STONE BECOMES COMPACTED AND/OR FILLED WITH SEDIMENT SO THAT THE EFFECTIVENESS OF THE PAD IS DIMINISHED, CONTRACTOR SHALL RIP, TURN OVER, OR OTHERWISE LOOSEN THE STONE, PLACE ADDITIONAL NEW STONE, OR REPLACE STONE AS NECESSARY TO RESTORE EFFECTIVENESS. ACCUMULATED SEDIMENT IN THE WASHWATER/SEDIMENT TRAP SHALL BE REMOVED WHEN THE SEDIMENT DEPTH REACHES AN AVERAGE OF 12-INCHES.

WW VTC WITH WHEEL WASH 25 /

GESC GRADING, EROSION, AND SEDIMENT CONTROL

GESC PLAN STANDARD NOTES AND DETAILS

SHEET 3 OF 3

Greenwood Village, CO 80111

303.770.8884 GallowayUS.com

COPYRIGHT THESE PLANS ARE AN INSTRUMENT OF SERVICE AND ARE THE PROPERTY OF GALLOWAY, AND MAY NOT BE DUPLICATED. DISCLOSED. OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF GALLOWAY. COPYRIGHTS AND INFRINGEMENTS WILL BE ENFORCED AND PROSECUTED.



PKWY SP24-0003 Х́ш́ AMBLESIDE (LINCOLN AVER) SITE IMPROV

> 1 01/19/24 1ST SUBMITTAL 03/13/24 2ND SUBMITTAL 05/08/24 3RD SUBMITTAL

Date Issue / Description

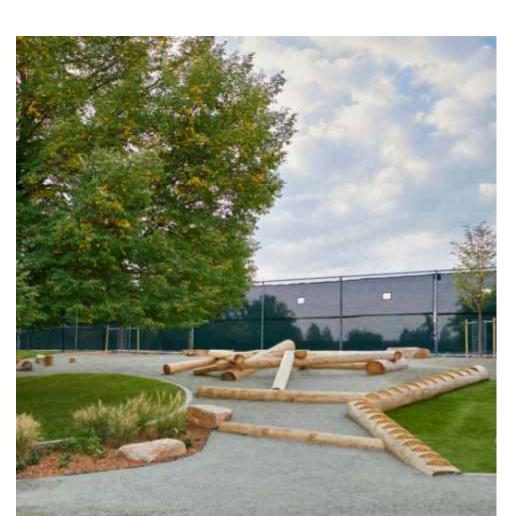
AMC000002 JANUARY 2024

EROSION CONTROL DETAILS

SOFT SURFACE PATH
TAN CRUSHER FINES, 4" DEPTH; APPROXIMATELY 5' WIDTH.



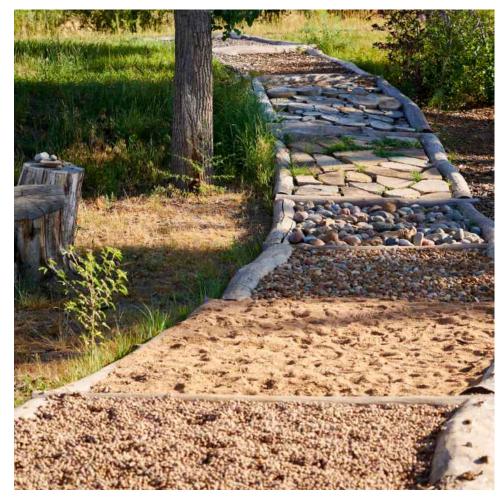
HILLSIDE PLAY - STUMP STAIRS



HILLSIDE PLAY - LOG CLIMBERS



BOULDER STEPS



LINCOLN AVENUE

TREE, TO REMAIN, TYP.

PROPOSED EXTENSION OF OUTDOOR PATIO

PROPOSED BASKETBALL

CONCRETE AREA

EXISTING DRAIN CHANNEL

→ EXISTING WALKWAY → EDUCATION GARDEN

─ BOULDER STEPŚ

SEATING

─ BOULDER OUTDÓÓR

— EXISTING DECIDUOUS

TREE, TO REMAIN, TYP.

SHRUBS, TYP

- PROPOSED SCREENING

PRÓPOSED OPAQUE -

FENCE & GATE - REFERENCE SHEET 3

HILLSIDE PLAY

QUALITY DRAINAGE

- PROPERTY BOUNDARY

PROPOSED TREE

PROPOSED GATE

ACCESS POINT

SENSORY WALK



BOULDER OUTDOOR SEATING



CAUTION - NOTICE TO CONTRACTOR

ENGINEER PRIOR TO CONSTRUCTION.

ENGINEER PRIOR TO CONSTRUCTION.

 ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE

EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT,

PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE Know what's below.

RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING

UTILITY, EITHER THROUGH POTHOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE

WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S

 \mathbb{C} a \mathbb{H} before you dig.

DDIDO

LANDSCAPE MATERIALS SCHEDULE

MBOL DESC

LANDSCAPE BOULDERS (3-6' DIA)

THE CONCEPTUAL LANDSCAPE PLAN IS CONCEPTUAL IN NATURE AND NOT BINDING; ALL FUTURE IMPROVEMENTS WILL BE SUBJECT TO THE CITY'S SITE IMPROVEMENT PLAN AMENDMENT REVIEW PROCESS AS APPLICABLE.

PROPOSED PLANT PALETTE

COMMON NAME BOTANICAL NAME

DECIDUOUS/EVERGREEN TREES

RED OAK

DECIDUOUS/EVERGREEN TREES
SKYLINE HONEY LOCUST GLEDITSIA TRIACANTHOS INERMIS 'SKYLINE'

QUERCUS RUBRA

GREENSPIRE LITTLELEAF LINDEN TILIA CORDATA 'GREENSPIRE'

BRISTLECONE PINE PINUS ARISTATA

AUSTRIAN PINE PINUS NIGRA

DECIDUOUS/EVERGREEN SHRUBS
BAYLEY'S RED TWIG DOGWOOD CORNUS SERICEA 'BAILEYI'

SAND CHERRY PRUNUS BESSEYI

GOLDFLAME JAPANESE SPIREA SPIRAEA JAPONICA 'GOLDFLAME'

MISS KIM KOREAN LILAC SYRINGA PATULA 'MISS KIM'

CRANBERRY COTONEASTER COTONEASTER APICULATUS

ARMSTRONG JUNIPER JUNIPERUS CHINENSIS 'ARMSTRONGII'

BUFFALO JUNIPER JUNIPERUS SABINA 'BUFFALO'

COMPACT OREGON GRAPE MAHONIA AQUIFOLIUM 'COMPACTA'

ORNAMENTAL GRASSES

ORNAMENTAL GRASSES
BLUE AVENA
HELICTOTRICHON SEMPERVIRENS
MAIDEN GRASS
MISCANTHUS SINENSIS 'GRACILLIMUS'
HAMELN FOUNTAIN GRASS
PENNISETUM ALOPECUROIDES 'HAMELN'

LITTLE BLUESTEM SCHIZACHYRIUM SCOPARIUM

PERENNIALS/EDUCATION GARDEN

DENVER GOLD COLUMBINE AQUILEGIA CHRYSANTHA 'DENVER GOLD'

CONEFLOWER ECHINACEA PURPUREA

GLOBE THISTLE ECHINOPS RITRO

WHIRLING BUTTERFLIES GAURA GAURA LINDHEIMERI 'WHIRLING BUTTERFLIES'

GAYFEATHER LIATRIS SPICATA

LEMON BALM MELISSA OFFICINALIS

LITTLE TRUDY CATMINT NEPETA X 'PSFIKE' TM

ELFIN PINK PENSTEMON PENSTEMON BARBATUS 'ELFIN PINK'

BLACK-EYED SUSAN RUDBECKIA FULGIDA SULLIVANTII 'GOLDSTURM'

LAMB'S EAR STACHYS BYZANTINA

Galloway

5500 Greenwood Plaza Blvd., Sui Greenwood Village, CO 80111 303.770.8884 GallowayUS.com

COPYRIGHT

THESE PLANS ARE AN INSTRUMENT OF SERVICE AND ARE THE PROPERTY OF GALLOWAY, AND MAY NOT BE DUPLICATED, DISCLOSED, OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF GALLOWAY. COPYRIGHTS AND INFRINGEMENTS WILL BE ENFORCED AND PROSECUTED.



1BLESIDE SCHOOL ICOLN AVE & LONE TREE PKWY IE IMPROVEMENT PLAN - SP24-0003

Date Issue / Description
01/19/24 1ST SUBMITTAL
03/13/24 2ND SUBMITTAL
05/08/24 3RD SUBMITTAL

 Project No:
 AMC000002

 Drawn By:
 LJP

 Checked By:
 DEF

 Date:
 JANUARY 2024

CONCEPTUAL LANDSCAPE PLAN

9