

SITE DEVELOPMENT PLAN, AMENDMENT NO. 1

DOUGLAS COUNTY SCHOOL DISTRICT RE-1

A PARCEL OF LAND BEING A PORTION OF SECTION 28, TOWNSHIP 7 SOUTH, RANGE 67 WEST OF THE SIXTH PRINCIPAL MERIDIAN, TOWN OF CASTLE ROCK, COUNTY OF DOUGLAS, STATE OF COLORADO

Scope of Work

The project consists of an approximately 28,300sf 2-story F-Pod addition to Castle View High School. Two modular classrooms will be removed for site development for the addition. The addition will include spaces for a BIOTech and science center, an engineering suite for a fabrication/tech lab, five general purpose classrooms, outdoor workspaces, a journalism suite with a computer lab and a flexible CTE multi-purpose space. At the exterior, a new parking lot at the south with 50 spaces will be provided. An outdoor terraced landscape area will be installed at the west side of the new addition to accommodate the grade change as well as act as an outdoor classroom area & an outdoor build area adjacent to the shop. TCV20-0013 Lighting Variance Approved 2/26/2020.

Building Information

Building Height: 40'-8" ft.  
Number of Stories: 2 stories above grade  
Approximate Size:  
Existing to Remain: 140,675 s.f.  
Addition: 17,611 s.f.  
6 Existing Modular Classrooms to Remain: 36,570 s.f.  
Building Total: 194,856 s.f.

Benchmark

THE BENCHMARK FOR THIS SITE IS: DOUGLAS COUNTY STATION 2015030 NAVD88 ELEVATION = 6082.17.

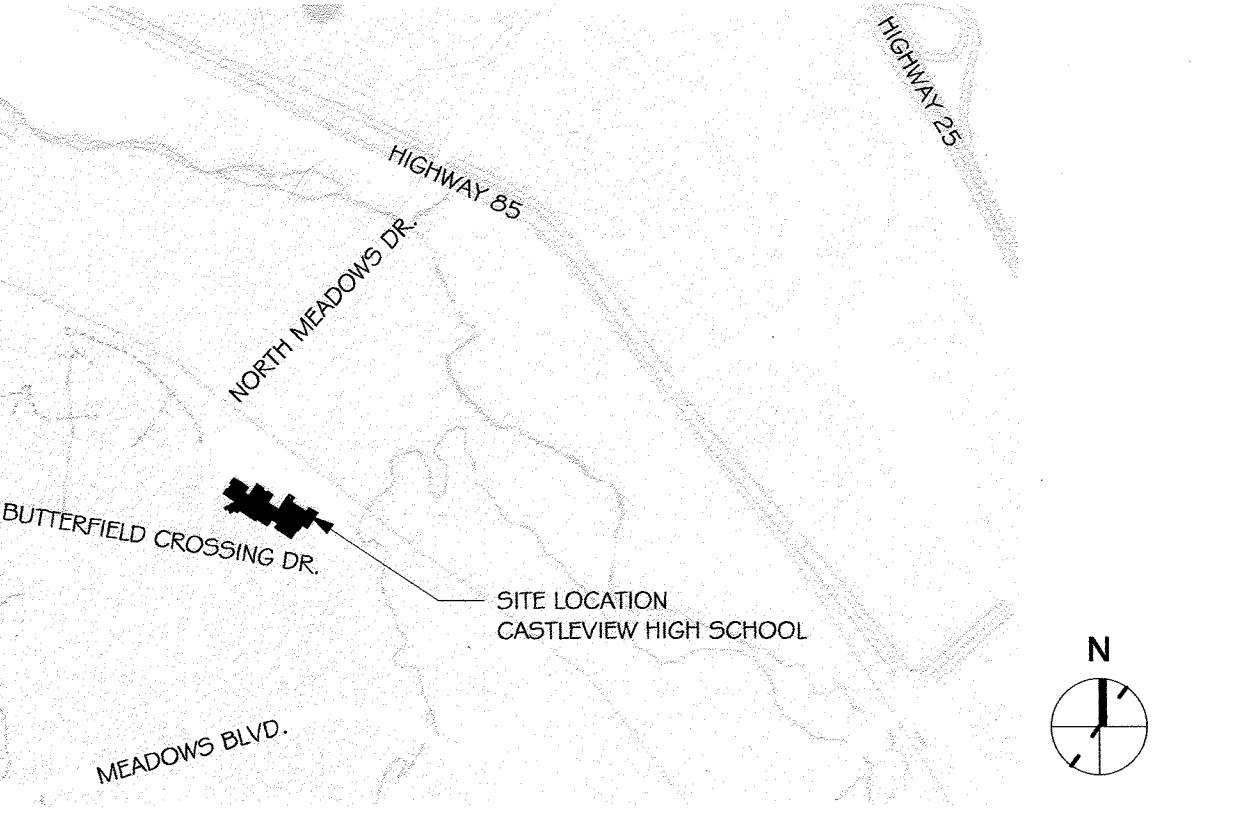
Basis of Bearing

BASIS OF BEARING: ASSUMING THE SOUTH LINE OF SECTION 28, TOWNSHIP 7 SOUTH, RANGE 67 WEST OF THE SIXTH PRINCIPAL MERIDIAN, AS MONUMENTED BY A NO. 6 REBAR WITH A 3-1/4" ALUMINUM CAP STAMPED PLS 58064 AT THE SOUTHEAST QUARTER CORNER OF SAID SECTION 28 AND A 3 INCH BRASS CAP STAMPED PLS 23515 AT THE SOUTHWEST CORNER OF SAID SECTION 28 TO BEAR NORTH 89°26'52" WEST, BEING A GRID BEARING OF THE COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICAN DATUM 1983/2007, A DISTANCE OF 5310.11 FEET WITH ALL BEARINGS CONTAINED HEREIN RELATIVE THERETO.

Site Information

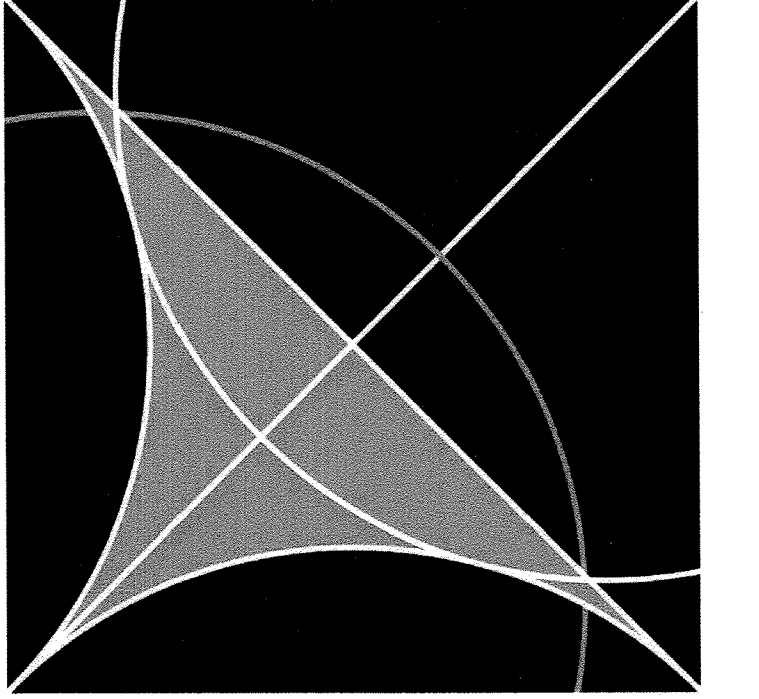
Address: 5254 N. Meadows Dr.  
Castle Rock, Colorado 80109  
Site Area: 35.208 Acres  
Zone: Meadows Third Amendment (Public Land Dedication)

VICINITY MAP



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**Eidos**  
ARCHITECTS

**Owner:**  
Douglas County School  
District RE-1  
620 Wilcox Street  
Castle Rock, Colorado 80104  
Phone: 303.387.0100

**Architects:**  
Eidos Architects, PC  
5400 Greenwood Plaza Blvd.  
Greenwood Village, CO 80111  
Phone: 720.200.0630

**Civil Engineers:**  
MVE, Inc.  
1903 Lelary Street, Suite 200  
Colorado Springs, Colorado 80909  
Phone: 719.635.5736

**Structural Engineers:**  
HCDA Engineering, Inc.  
9 South Weber Street  
Colorado Springs, Colorado 80903  
Phone: 719.633.7784

**Mechanical/Electrical/Plumbing Engineers:**  
MKK Consulting Engineers (IMEG)  
7600 E. Orchard Road, Suite 250-S  
Greenwood Village, Colorado 80111  
Phone: 303.796.8000

**Landscape Architect:**  
Design Concepts  
211 North Public Road, Suite 200  
Lafayette, CO 80025  
Phone: 303.664.5301

**General Contractor:**  
Adolfson & Peterson Construction  
797 Ventura Street  
Aurora, CO 80011  
Phone: 303.363.7101

**Owner Representative:**  
NV5  
2650 18th Street #202  
Denver, CO 80211  
Phone: 303.220.6400

SDP Standard Notes

- The Town of Castle Rock requires that maintenance access be provided to all storm drainage facilities to assure continuous operational capability of the system. The Property Owner, subsequent owners, heirs, successors and assigns shall be responsible for the maintenance of all drainage facilities including, but not limited to, inlets, pipes, culverts, channels, ditches, hydraulic structures, and detention basins located on this property, unless modified by the Subdivision Improvements Agreement. Should the Owner fail to adequately maintain said facilities, the Town shall have the right to enter said property for the purpose of operation and maintenance. All maintenance costs will be assessed to the Property Owner, subsequent owners, heirs, successors and assigns. The maintenance costs shall include all actual costs for labor, equipment and materials and a 25% fee.
- Pursuant to Section 4.3 and 8.2.3 of the Town of Castle Rock Landscape Regulations the Property Owner, subsequent owners, heirs, successors and assigns shall be responsible for the proper maintenance of the area subject to the approved Site Development Plan. Landscaping within public rights-of-way is to be maintained by the adjacent private property owner or the Homeowner/Property Owner Association, as applicable. Landscaping shall be continuously maintained including necessary watering, weeding, pruning, mowing, pest control, and replacement of dead or diseased plant material. Upon written notice by the Town, the Owner will have 45 days to cure or replace damaged or dead landscape material. In the case of diseased landscape material, a shorter compliance period may be specified in said notice. The Town of Castle Rock Water Conservation Ordinance regulates times of seasonal irrigation and prohibits the wasting of potable water through improper irrigation.
- The provided landscape counts in the Site Development Plan are minimum required counts. Any changes to the provided landscape counts shall require an SDP amendment. The location of plant material is subject to change due to field conditions with review of the Construction Documents.
- Portions of the property are not located within a designated 100-year floodplain Zone A/AE as per FEMA FIRM Panel No. 167 Dated March 16, 2016.
- Any street signs, staking, street lights and curb ramps are conceptual only and subject to Town review with the Construction Documents. These items shall comply with the Town of Castle Rock's regulations, standards and requirements.
- The Developer shall conform to the Town of Castle Rock "Water Use Management Program Implementation Policy", as amended from time to time, for this project.
- Approval of this Site Development Plan does not constitute approval of any deviations from Town of Castle Rock regulations and standards. All deviations from Town regulations and standards are subject to the appropriate procedures for approval.
- No solid object (excluding fire hydrants, traffic control devices and traffic signs) exceeding thirty (30) inches in height above the finished elevations of the adjacent street, including but not limited to buildings, utility cabinets, walls, fences, landscape plantings, crops, cut slopes, and berms shall be placed within sight distance lines and sight distance easements.
- All Utility, Drainage, Emergency Access, Sight Distance and Public Access/Trail Easements as shown on the Site Development Plan shall be granted to the Town of Castle Rock with the Plat.
- This site is zoned PLANNED DEVELOPMENT - Meadows Third Amendment
- Unless otherwise noted, all lots shall have a 10-foot Utility Easement along the front and rear lot lines and along all public rights-of-way and shall have 5-foot Utility Easements along each side lot line. These Utility Easements are for the installation, maintenance and operation of utilities and drainage facilities including, but not limited to street lights, electric lines, gas lines, cable television lines, fiber optic lines and telephone lines, as well as perpetual right for ingress and egress for installation, maintenance and replacement of such lines.
- Retaining walls, sections of retaining walls greater than 4-feet in height as measured from the bottom of the footing to the top of the wall, and retaining walls, regardless of height, which retain a surcharge or tiered walls must be designed by a Structural Engineer licensed in the State of Colorado and must receive a Building Permit from the Town of Castle Rock.
- A sign permit for each sign must be obtained from the Town of Castle Rock Building Division prior to placing any sign on the property. All signs must comply with the provisions of Title 19 (Sign Code Regulations) of the Municipal Code.
- The number of parking spaces has been set based on the proposed uses on this Site Development Plan and Chapter 17.54 of the Castle Rock Municipal Code. A change of use to a more parking intensive use as identified in Chapter 17.54 of the Castle Rock Municipal Code will require an amendment to this Site Development Plan.

SDP Fire Notes

- Fire apparatus access roads or water supply for fire protection is required to be installed, such protection shall be installed and made serviceable prior to vertical construction.
- Fire hydrant(s) are required to be installed and made serviceable prior to and during the time of construction.
- Approved fire apparatus access roads shall be provided for every facility, building or portion of a building constructed or moved into, or within the jurisdiction. The fire apparatus access road shall extend to within 150 feet of all portions of the facility and all portions of the exterior walls of the first story of the building as measured by an approved route around the exterior of the building or facility.
- Dead-end fire access roads in excess of 150 feet shall provide an approved area for turning around fire apparatus.
- Approved fire apparatus access roads shall have an unobstructed width of not less than 20 feet, exclusive of shoulders, except for approved security gates and an unobstructed vertical clearance of not less than 13 feet, 6 inches.
- Fire apparatus access roads shall be designed and maintained to support the imposed loads of fire apparatus weighing at least 75,000 pounds, and shall be surfaced so as to provide all-weather driving capabilities. The term "all-weather driving capabilities" has been interpreted to mean either concrete or asphalt, or other approved driving surface designed by an engineer and approved by the Fire Department.
- "No Parking Fire Lane" signs are required in areas that meet the following criteria and in areas designated by the Fire Prevention Bureau. Signs shall be posted on both sides of fire access roadways, public or private roadways or driveways less than 26 feet wide. Signs shall be posted on one side only of fire access roadways, public or private roadways or driveways between 26 feet wide and 32 feet wide. No signage is required for fire access roadways, public or private roadways or driveways greater than or equal to 32 feet wide.
- It is the responsibility of the property owner to maintain drive lanes for emergency vehicle ingress and egress, including snow removal.
- The developer understands that as the project develops there may be fire and life safety provisions of the Town of Castle Rock adopted International Fire Code (IFC) that may arise, and were not clearly visible during the initial reviews, but may require corrective action. These items may include, but are not limited to: Fire flow requirements, fire hydrant placement, access, etc.

Legal Description

A PORTION OF A TRACT OF LAND AS DESCRIBED IN SPECIAL WARRANTY DEED AS RECORDED IN BOOK 809 AT PAGE 984 OF THE RECORDS OF DOUGLAS COUNTY, COLORADO (RECEPTION NO. 8819235) AND LOCATED IN THE SOUTHEAST 1/4 OF SECTION 28, TOWNSHIP 7 SOUTH, RANGE 67 WEST OF THE 6TH PRINCIPAL MERIDIAN, DOUGLAS COUNTY, COLORADO, DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTH 1/4 CORNER OF SAID SECTION 28 FROM WHICH THE SOUTHEAST CORNER OF SAID SECTION 28 BEARS S89°02'01" E (BASIS OF BEARING); THENCE N21°43'41" E, 587.91 FEET TO A POINT 30.00 FEET EAST OF THE EASTERLY RIGHT-OF-WAY LINE OF NORTH MEADOWS DRIVE AS SHOWN ON "A FINAL PLAT OF NORTH MEADOWS DRIVE" AS RECORDED UNDER RECEPTION NO. 8727781 OF THE RECORDS OF DOUGLAS COUNTY, COLORADO AND THE TRUE POINT OF BEGINNING; THENCE N15°03'40"W, 210.23 FEET ALONG A LINE 30.00 FEET EAST OF AND PARALLEL TO THE EASTERLY RIGHT-OF-WAY LINE OF SAID NORTH MEADOWS DRIVE TO A POINT OF CURVE TO THE RIGHT; THENCE NORTHERLY, 231.36 FEET ALONG THE ARC OF SAID CURVE AND A LINE 30.00 FEET EAST OF AND PARALLEL TO THE EASTERLY RIGHT-OF-WAY LINE OF SAID NORTH MEADOWS DRIVE, SAID ARC HAVING A RADIUS OF 875.00 FEET, A CENTRAL ANGLE OF 35°09'00" AND BEING SUBTENDED BY A CHORD THAT BEARS N 07°29'10" W, 230.69 FEET; THENCE S84°38'21" E, 86.90 FEET; THENCE N28°50'35" E, 215.00 FEET; THENCE N04°32'14" E, 120.00 FEET; THENCE N08°23'27" W, 166.88 FEET TO A POINT 30.00 FEET EAST OF THE EASTERLY RIGHT-OF-WAY LINE OF SAID NORTH MEADOWS DRIVE; THENCE N07°33'42" E, 947.45 FEET ALONG A LINE 30.00 FEET EAST OF AND PARALLEL TO THE EASTERLY RIGHT-OF-WAY LINE OF SAID NORTH MEADOWS DRIVE TO A POINT OF CURVE TO THE LEFT; THENCE NORTHERLY, 486.54 FEET ALONG THE ARC OF SAID CURVE AND ALONG A LINE 30.00 FEET EAST OF AND PARALLEL TO THE EASTERLY RIGHT-OF-WAY LINE OF SAID NORTH MEADOWS DRIVE, SAID ARC HAVING A RADIUS OF 1465.00 FEET, A CENTRAL ANGLE OF 19°01'42" AND BEING SUBTENDED BY A CHORD THAT BEARS N01°57'09" W, 484.31 FEET; THENCE N89°35'51" E, 395.07 FEET TO A POINT ON THE SOUTHERLY RIGHT-OF-WAY LINE OF THE ATCHISON TOPEKA AND SANTA FE RAILWAY (PER RIGHT-OF-WAY AND TRACK MAP FOR BNSF RAILWAY, LINE SEGMENT 477, MP 28.3 TO MP 31.3, LAST REVISED 9/3/2002); THENCE S53°08'31" E, 637.19 FEET ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF SAID ATCHISON TOPEKA AND SANTA FE RAILWAY TO A POINT ON THE NORTH LINE OF THE SOUTHEAST 1/4 OF SAID SECTION 28; THENCE N89°13'13"W, 42.45 FEET ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF SAID ATCHISON TOPEKA AND SANTA FE RAILWAY AND THE NORTH LINE OF THE SOUTHEAST 1/4 OF SAID SECTION 28; THENCE S53°08'31" E, 565.77 FEET ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF SAID ATCHISON TOPEKA AND SANTA FE RAILWAY; THENCE N89°51'33"W, 314.94 FEET TO A POINT ON AN EASTERLY LINE OF THAT TRACT OF LAND AS DESCRIBED IN SPECIAL WARRANTY DEED AS RECORDED IN BOOK 1451 AT PAGE 1711 OF THE RECORDS OF DOUGLAS COUNTY, COLORADO (RECEPTION NUMBER 9741616); THE FOLLOWING COURSES AND DISTANCES ARE DESCRIBED IN THE EASTERLY, NORTHERLY AND WESTERLY LINES OF SAID TRACT OF LAND AS DESCRIBED IN SPECIAL WARRANTY DEED AS RECORDED IN BOOK 1451 AT PAGE 1711: THENCE N37°04'43"W, 109.29 FEET; THENCE N89°51'33"W, 297.23 FEET; THENCE S08°57'46"W, 681.40 FEET; THENCE S02°17'18"W, 768.86 FEET TO A POINT 7.00 FEET NORTH OF THE NORTHERLY RIGHT-OF-WAY LINE OF MEADOWS BOULEVARD AS PLATTED AT RECEPTION NUMBER 8727783 OF THE RECORDS OF DOUGLAS COUNTY, COLORADO; THE FOLLOWING COURSES AND DISTANCES ARE ALONG SAID LINE 7.00 FEET NORTHERLY OF AND PARALLEL TO THE NORTHERLY RIGHT-OF-WAY OF SAID MEADOWS BOULEVARD; THENCE S74°56'20"W, 331.80 FEET; THENCE S81°46'51"W, 100.72 FEET; THENCE S74°56'20"W, 128.49 FEET TO THE TRUE POINT OF BEGINNING, EXCEPT THAT PORTION CONVEYED TO THE TOWN OF CASTLE ROCK, COLORADO IN DEED RECORDED DECEMBER 20, 2013 UNDER RECEPTION NO. 2013097542.

**TITLE CERTIFICATION**  
I, **Stacy Bennett**, AN AUTHORIZED REPRESENTATIVE OF **LAND TITLE GUARANTEE CO.**, A TITLE INSURANCE COMPANY LICENSED TO DO BUSINESS IN THE STATE OF COLORADO, HAVE MADE AN EXAMINATION OF THE PUBLIC RECORDS AND STATE THAT ALL OWNERS, MORTGAGEES AND LIENHOLDERS OF THE PROPERTY ARE LISTED IN THE CERTIFICATE OF OWNERSHIP AND LIENHOLDER SUBORDINATION CERTIFICATE.  
I, **Stacy Bennett**, AN AUTHORIZED REPRESENTATIVE OF **LAND TITLE GUARANTEE CO.**, TITLE COMPANY  
SIGNED THIS **8th** DAY OF **JUNE**, 20**20**.  
**NOTARY BLOCK**  
SUBSCRIBED AND SWORN TO BEFORE ME THIS **5th** DAY OF **JUNE**, 20**20** BY **Stacy Bennett** AS AUTHORIZED REPRESENTATIVE OF **Land Title Guarantee Co.**  
**TERESA ANN HESS**  
**NOTARY PUBLIC**  
STATE OF COLORADO  
NOTARY ID 2019400095  
My Commission Expires January 2, 2022

**Zoning Comparison**

Zoning	Meadows Third Amendment - Planned Development	
Use Area	35.208 Acres (1,533,682 sf +/-)	
Lot Square Footage	1,533,682 sf.	
Building Square Footage	PD Requirement	Proposed
	Existing	School Building 140,675 sf.
	Original SDP Douglas County High School No. 8	School Building 140,675 sf.
Permitted Uses	Not Specified	8 Modulsars 48,760 sf.
	Open Space, Community Centers, Public Buildings	6 Modulsars 36,570 sf.
	School	Addition 17,611 sf.
Minimum Lot Size	Not Specified	35.208 Ac.
Maximum Building Coverage	40%	12.40%
Minimum front yard setback	30'	75'
Minimum rear yard setback	30'	162'
Minimum side yard setback	30'	150'
Minimum side to street setback	30'	150'
Maximum building height	50'	40'-8"
Maximum buildable slope	Not Specified	3:1
Minimum Parking - 1 space / 3 Students (2220 Students) + 1 space / Employee (129 Employees)	Standard - 9' x 18' Compact - 9' x 16'	Required = 869 (2220 / 3) + 129 Provided = 837
Minimum ADA Parking	Standard - 8.5'x18' w/ 5' i/sk Van Accessible 9' x 18' w/ 8' wide i/sk	Required = 17 Total lot spaces = 837 Provided = 16 + 4 Van

**Site Utilization**

	Approved SDP		Proposed SDP19-0042	
	S.F.	% of Total	S.F.	% of Total
Building Coverage	189,435	12.4%	194,856	12.7%
Parking Coverage	347,802	22.7%	369,506	24.1%
Street Coverage	60,746	4.0%	60,746	4.0%
Landscape/Open Space Coverage	798,311	52.1%	753,377	49.1%
Walks / Sheds / Dugouts	137,388	9.0%	155,197	10.1%
Total	1,533,682	100%	1,533,682	100%

**SURVEYOR'S CERTIFICATE**  
I, **AARON A. DEMO**, A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY CERTIFY THAT THE SURVEY AND LEGAL DESCRIPTION REFERENCED BY THIS SITE DEVELOPMENT PLAN WAS MADE UNDER MY SUPERVISION AND THE MONUMENTS SHOWN THEREON ACTUALLY EXIST AND THE DEVELOPMENT PLAN ACCURATELY REPRESENTS THAT SURVEY.  
**AARON A. DEMO**  
REGISTERED LAND SURVEYOR  
DATE: **6/9/20**

**CIVIL ENGINEER'S STATEMENT**  
I, **DAVID R. GORMAN**, BEING A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF COLORADO, HEREBY ATTEST THAT ALL ROADWAY, GRADING, UTILITY AND DRAINAGE IMPROVEMENTS IDENTIFIED ON THIS SITE DEVELOPMENT PLAN HAVE BEEN DESIGNATED AND ENGINEERED IN CONFORMANCE WITH ALL TOWN OF CASTLE ROCK PUBLIC WORKS CONSTRUCTION STANDARDS.  
**DAVID R. GORMAN, P.E. #31672**  
DATE: **6/1/20**

**OWNERSHIP CERTIFICATION**  
THE UNDERSIGNED ARE ALL THE OWNERS OF CERTAIN LANDS IN THE TOWN OF CASTLE ROCK, COUNTY OF DOUGLAS AND STATE OF COLORADO DESCRIBED HEREIN.  
**LEELA RAJASEKAR**  
SIGNED THIS **4** DAY OF **JUNE**, 20**20**  
**NOTARY BLOCK**  
SUBSCRIBED AND SWORN TO BEFORE ME THIS **4** DAY OF **JUNE**, 20**20** BY **LEELA RAJASEKAR**  
**NICHOLAS JOSEPH CHIRA JR.**  
**NOTARY PUBLIC**  
STATE OF COLORADO  
NOTARY ID 2019400633  
MY COMMISSION EXPIRES 12/16/2023

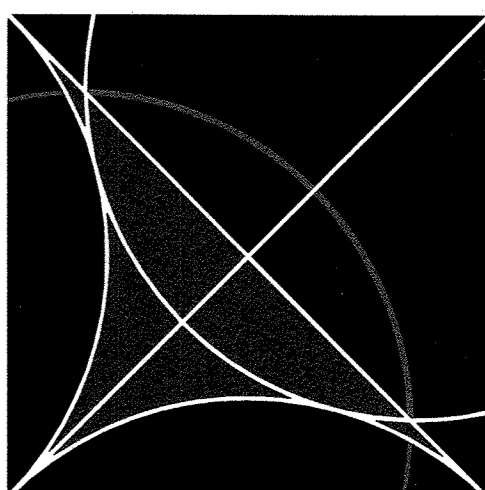
**DOUGLAS COUNTY CLERK AND RECORDER'S CERTIFICATE**  
THIS SITE DEVELOPMENT PLAN WAS FILED FOR RECORD IN THE OFFICE OF THE COUNTY CLERK AND RECORDER OF DOUGLAS COUNTY AT **1:14 pm** ON THE **2nd** DAY OF **July**, 20**20** AT RECEPTION NO. **2020058031**.  
**DOUGLAS COUNTY CLERK AND RECORDER**  
BY: **Mary Danaher**  
DEPUTY

STATEMENT OF DIRECTOR OF DEVELOPMENT SERVICES APPROVAL  
THIS SITE DEVELOPMENT PLAN WAS APPROVED BY THE DIRECTOR OF DEVELOPMENT SERVICES OF THE TOWN OF CASTLE ROCK, COLORADO ON THE **17th** DAY OF **JUNE**, 20**20**.  
**Stacy Bennett**  
DIRECTOR OF DEVELOPMENT SERVICES

SD0.1



PROPOSED BUILDING EXPANSION  
& PARKING LOT  
(SEE DETAILED SITE PLAN)



**Eidos**  
ARCHITECTS

5400 Greenwood Plaza Blvd.  
Greenwood Village, CO 80111  
Phone: 720-200-0630  
Fax: 720-200-0631

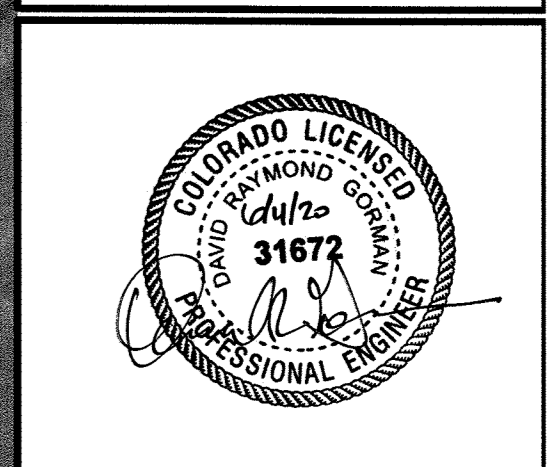
© 2019

CONSULTANTS:



**MVE, INC.**  
ENGINEERS SURVEYORS

1903 Ielary street, suite 800  
colorado springs co 80909  
719.635.5736



PROJECT TITLE:  
**Douglas County  
School District  
RE-1**

**Castle View  
High School**

Castle Rock, CO

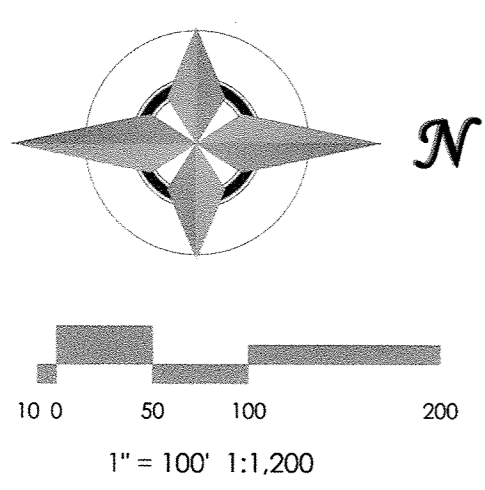
MARK	DATE	DESCRIPTION
	06/02/20	Final SDP
	02/14/20	SDP Resubmittal
	01/15/20	SDP Resubmittal
	11/08/19	SDP Submittal

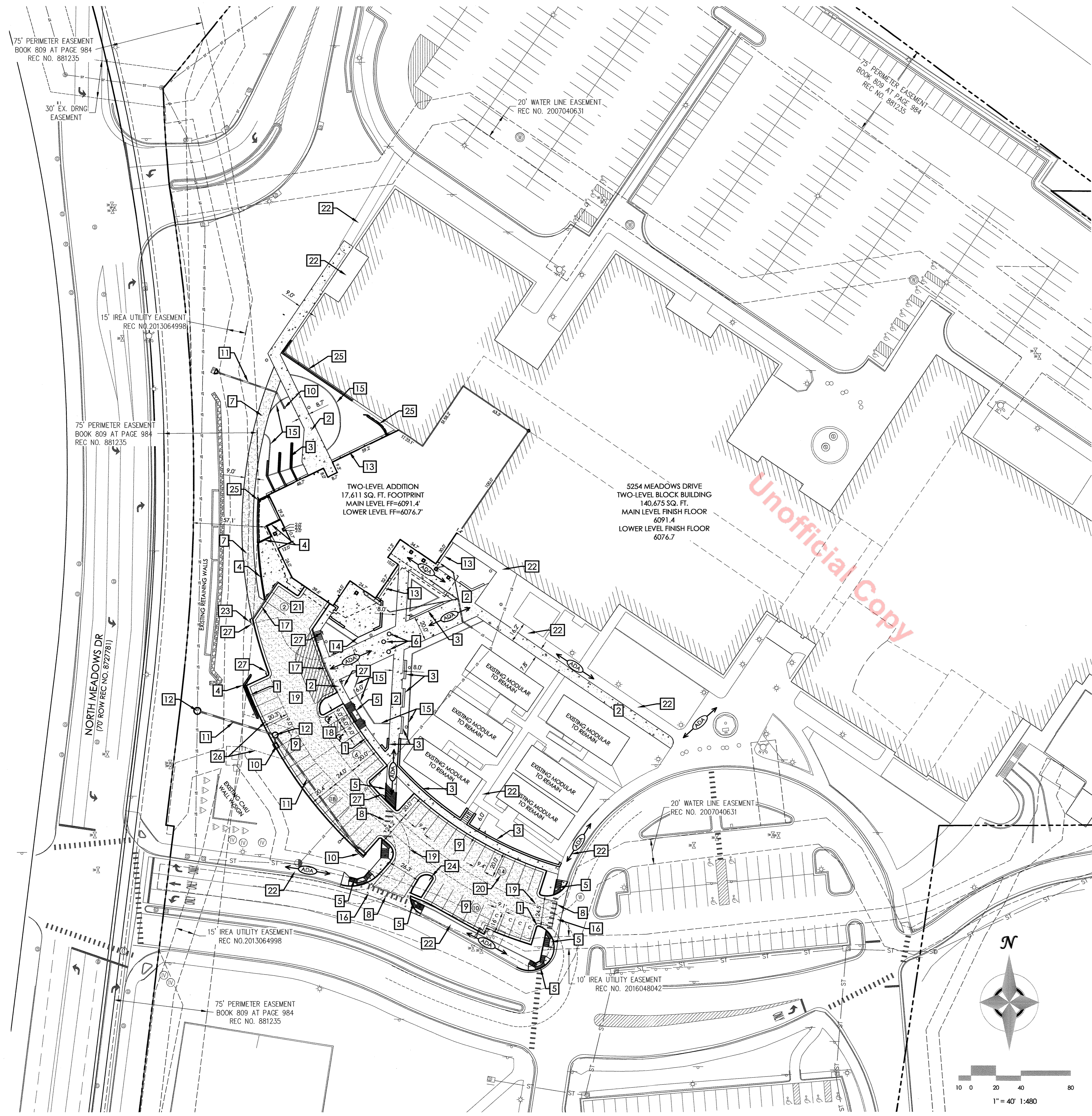
PROJECT NUMBER: 19011  
CAD FILE:  
DRAWN BY: TJW  
CHECK BY: DRG

SHEET TITLE:  
**SITE DEVELOPMENT  
PLAN (SDP)**

**OVERALL SITE PLAN**

**SD1.0**  
SHEET 2 OF 19





**LEGEND**

EXISTING		PROPOSED	
---	PROPERTY LINE	---	PROPERTY LINE
- - - -	EASEMENT LINE	- - - -	EASEMENT LINE
---	ADJACENT PROPERTY LINE	---	ADJACENT PROPERTY LINE
- - - - 5985	INDEX CONTOUR	- - - - 5985	INDEX CONTOUR
- - - - 84	INTERMEDIATE CONTOUR	- - - - 84	INTERMEDIATE CONTOUR
[Pattern]	CONCRETE AREA	[Pattern]	CONCRETE AREA
[Pattern]	ASPHALT AREA	[Pattern]	ASPHALT AREA
[Pattern]	CURB AND GUTTER	[Pattern]	CURB AND GUTTER
[Pattern]	BUILDING / BUILDING OVERHANG	[Pattern]	BUILDING / BUILDING OVERHANG
[Pattern]	RETAINING WALL	[Pattern]	RETAINING WALL
[Symbol]	SIGN	[Symbol]	SIGN
[Symbol]	BOLLARD	[Symbol]	BOLLARD
[Symbol]	WOOD FENCE	[Symbol]	WOOD FENCE
W - W	WATER MAIN	W - W	WATER MAIN
W - [Symbol] - W	WATER VALVE	W - [Symbol] - W	WATER VALVE
[Symbol] - W	FIRE HYDRANT	[Symbol] - W	FIRE HYDRANT
SAN - SAN	SANITARY SEWER MAIN	SAN - SAN	SANITARY SEWER MAIN
SAN - [Symbol] - SAN	SANITARY SEWER MANHOLE	SAN - [Symbol] - SAN	SANITARY SEWER MANHOLE
SAN - [Symbol] - SAN	SANITARY SEWER CLEANOUT	SAN - [Symbol] - SAN	SANITARY SEWER CLEANOUT
GAS	GAS MAIN	GAS	GAS MAIN
OE	OVERHEAD ELECTRIC LINE	OE	OVERHEAD ELECTRIC LINE
UE	UNDERGROUND ELECTRIC LINE / MANHOLE	UE	UNDERGROUND ELECTRIC LINE / MANHOLE
[Symbol]	UTILITY POLE / GUY WIRE	[Symbol]	UTILITY POLE / GUY WIRE
[Symbol]	WATER SHUT OFF VALVE / SPRINKLER BOX	[Symbol]	WATER SHUT OFF VALVE / SPRINKLER BOX
[Symbol]	ELECTRIC TRANSFORMER / VAULT	[Symbol]	ELECTRIC TRANSFORMER / VAULT
[Symbol]	LIGHT POLE	[Symbol]	LIGHT POLE
[Symbol]	CURB INLET	[Symbol]	CURB INLET
[Symbol]	AREA INLET	[Symbol]	AREA INLET
ST - [Symbol]	STORM DRAIN PIPE / FLARED END SECTION (FES)	ST - [Symbol]	STORM DRAIN PIPE / FLARED END SECTION (FES)
[Symbol]	STORM DRAIN MANHOLE	[Symbol]	STORM DRAIN MANHOLE
[Symbol]	RIPRAP	[Symbol]	RIPRAP

**SITE PLAN SPECIFIC NOTES:**

- CONCRETE CURB & GUTTER, TYP. UON
- CONCRETE SIDEWALK WITH ISOLATION, CONSTRUCTION, EXPANSION & SCORED CONTRACTION JOINTS AS SHOWN, SEE PLAN FOR WIDTH (WIDTH INCLUDES CURB WHERE OCCURS)
- CONCRETE RETAINING WALL / SEAT WALL (18" TO 21" HIGH) (REF: ARCH ELEVATIONS)
- CONCRETE RETAINING WALL WITH RAILING AS REQUIRED (SEE GENERAL GRADING PLAN FOR HEIGHTS).
- ACCESSIBLE RAMP.
- LARGE CONCRETE MOVEABLE BOLLARDS.
- ASPHALT VEHICULAR MAINTENANCE PATH.
- PEDESTRIAN CROSSWALK STRIPING, 12" WIDE SOLID WHITE, 24" APART, 6'-0" LONG UON.
- PARKING STRIPING:  
 A - STOP BARS: 24" SOLID WHITE  
 B - AUTO PARKING STALL LINES: 4" SOLID WHITE  
 C - HANDICAP ACCESSIBLE PARKING STALL STRIPING, LOADING AREA LINES, AND PARKING ISLAND STRIPING, 4" WIDE SOLID WHITE PERIMETER & 24" APART AT CROSSHATCH
- NEW STORMWATER INLETS
- NEW RCP STORMWATER PIPE
- NEW STORMWATER MANHOLE
- 18" WIDE CONCRETE MOW STRIP
- CONCRETE SEAT WALL w/ FENCE (REF: ARCH ELEVATIONS)
- 6" CONC. LANDSCAPE CURB (TYPICAL / REF: LANDSCAPE)
- CROSS PAN
- MOUNTABLE CONCRETE CURB & GUTTER
- ACCESSIBLE PARKING w/ SIGNAGE (SEE DETAILS)
- FIRE TRUCK TURNING CLEARANCE & HAMMERHEAD
- 51 NEW PARKING SPACES (2 LOADING / 5 COMPACT "C" / 2 ADA VAN ACCESSIBLE / 41 REGULAR)
- "LOADING ONLY" PARKING w/ SIGNAGE (SEE DETAILS)
- EXISTING SIDEWALK TO REMAIN
- TRAFFIC SIGN "DO NOT ENTER"
- TRAFFIC SIGN "DO NOT ENTER" & "RIGHT TURN ONLY"
- STACK BLOCK RETAINING WALL / SEAT WALL (0" TO 48" HIGH) (SEE DETAIL & REF: ARCH)
- PROPOSED 25' WIDE DRAINAGE EASEMENT
- "NO PARKING" FIRE LANE SIGN PER CASTLE ROCK FIRE DEPARTMENT STANDARDS

**SITE PLAN ABBREVIATIONS**

FG	FINISHED GRADE
FG/PW	FINISHED GRADE AT FACE OF WALL
FL	FLOWLINE
INV	INVERT ELEVATION
ME	MATCH EXISTING
MH	MANHOLE
TC	TOP OF CURB
TOC	TOP OF CONCRETE
TW	TOP OF WALL
UON	UNLESS OTHERWISE NOTED

**Eidos ARCHITECTS**  
 5400 Greenwood Plaza Blvd.  
 Greenwood Village, CO 80111  
 Phone: 720-200-0630  
 Fax: 720-200-0631  
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**CONSULTANTS:**

**MVE, INC.**  
 ENGINEERS SURVEYORS  
 1903 Irelay street, suite 200  
 colorado springs co. 80909  
 719.635.5736

COLORADO LICENSED  
 DAVID RAYMOND GRANT  
 6/1/20  
 31672  
 PROFESSIONAL ENGINEER

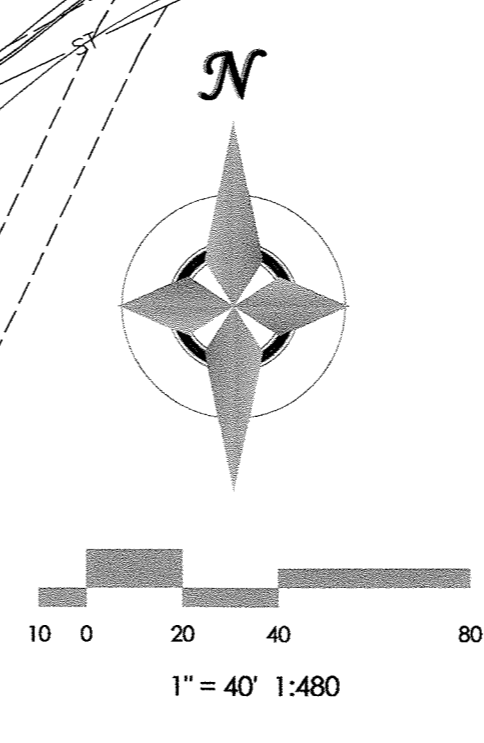
**PROJECT TITLE:**  
**Douglas County School District RE-1**  
**Castle View High School**  
 Castle Rock, CO

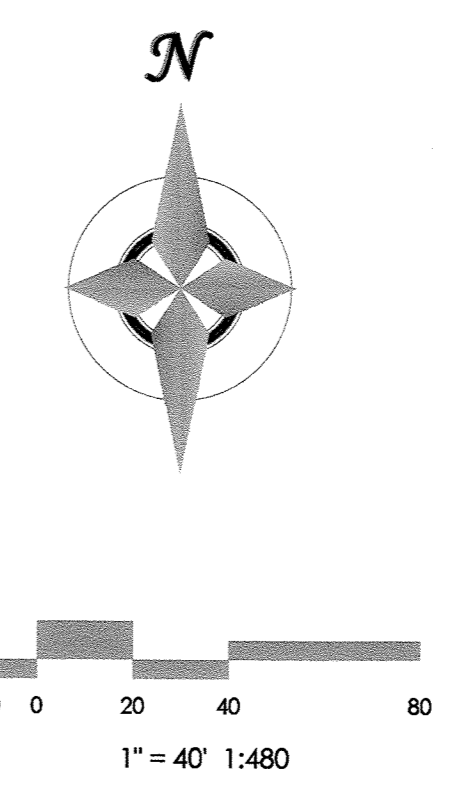
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	02/14/20	SDP Resubmittal
	01/15/20	SDP Resubmittal
	11/08/19	SDP Submittal

PROJECT NUMBER:	19011
CAD FILE:	
DRAWN BY:	TJW
CHECK BY:	DRG

**SHEET TITLE:**  
**SITE DEVELOPMENT PLAN (SDP)**  
**DETAILED SITE PLAN**

**SD1.1**  
**SHEET 3 OF 19**



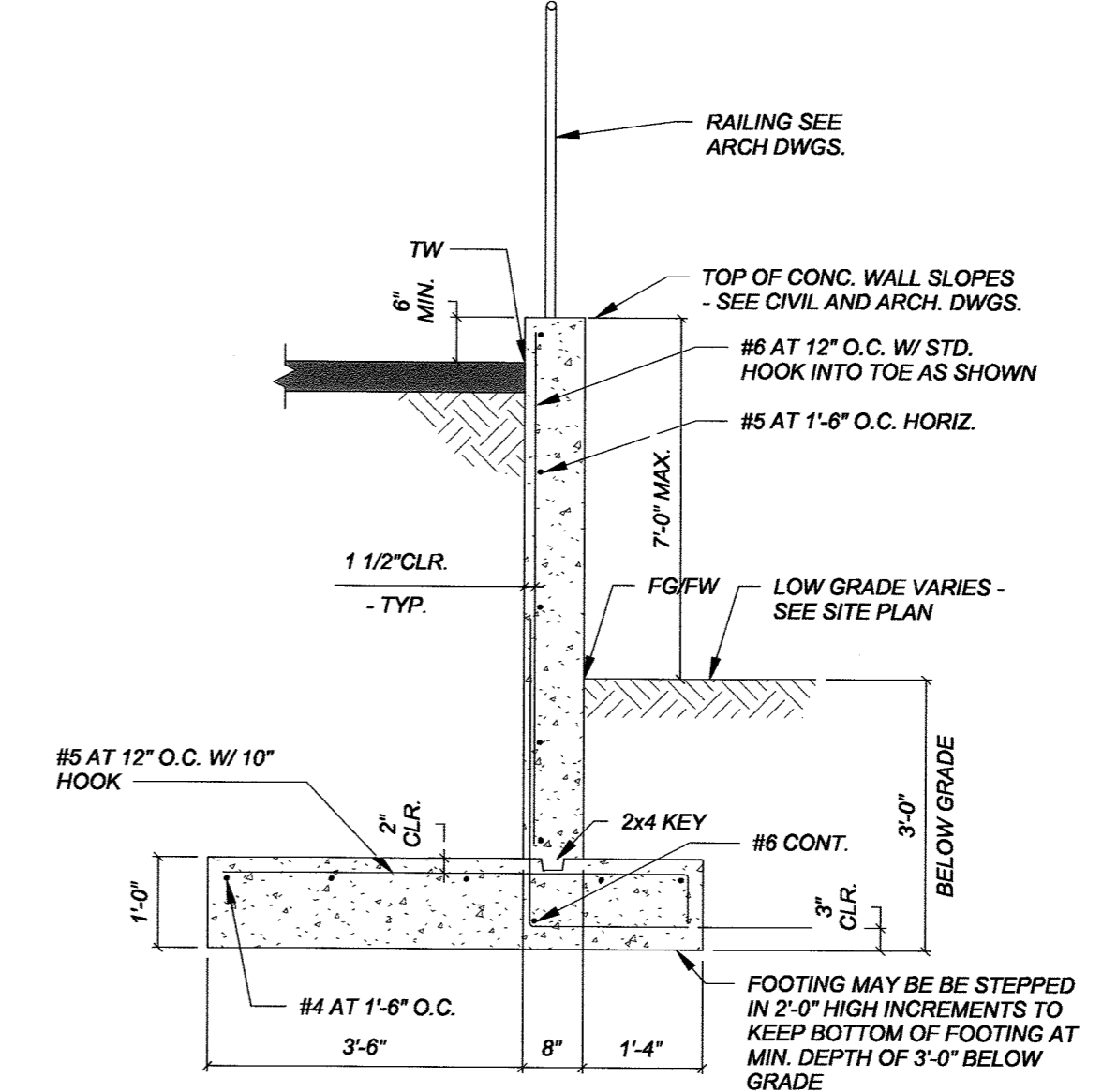


**GRADING SPECIFIC NOTES:**

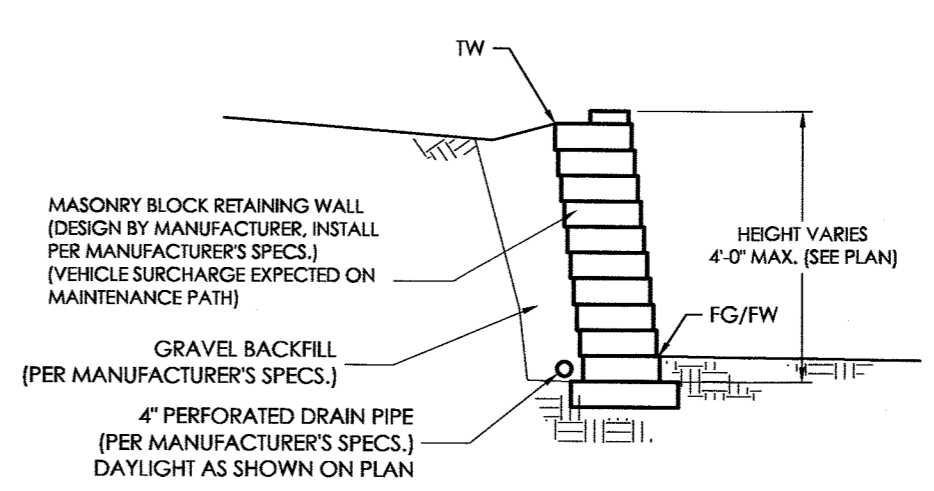
- 1 NEW BLOCK RETAINING WALL TO MATCH EXISTING
- 2 NEW DENVER TYPE 16 COMBINATION INLET (SINGLE)
- 3 NEW DENVER TYPE 16 COMBINATION INLET (DOUBLE)
- 4 NEW STORM MANHOLE
- 5 NEW 12" DIA. RCP PIPE
- 6 NEW 15" DIA. RCP PIPE
- 7 NEW GRASS SWALE BEHIND EXISTING RETAINING WALL (SEE DETAIL)
- 8 NEW ROOF DRAIN LINE
- 9 CONNECT NEW ROOF DRAIN TO EXISTING 10" PVC STUB
- 10 NEW AREA INLET
- 11 NEW 12" DIA. HDPE PIPE W/ HEADWALL
- 12 PROPOSED 25' WIDE DRAINAGE EASEMENT
- 13 NEW CONCRETE RETAINING / SEAT WALL (18 TO 21" HIGH)
- 14 NEW CONCRETE WALL W/ RAILING (SEE DETAIL)
- 15 NEW CURB CHASE
- 16 NEW CONCRETE RETAINING WALL (REF: LANDSCAPE)

TWO-LEVEL ADDITION  
17,611 SQ. FT. FOOTPRINT  
MAIN LEVEL FF=6091.4'  
LOWER LEVEL FF=6076.7'

5254 MEADOWS DRIVE  
TWO-LEVEL BLOCK BUILDING  
140,675 SQ. FT.  
MAIN LEVEL FINISH FLOOR  
6091.4  
LOWER LEVEL FINISH FLOOR  
6076.7



**CONCRETE WALL DETAIL**  
NOT TO SCALE



**MASONRY BLOCK WALL DETAIL**  
NOT TO SCALE

**Fidos**  
ARCHITECTS

5400 Greenwood Plaza Blvd.  
Greenwood Village, CO 80111  
Phone: 720-200-0630  
Fax: 720-200-0631

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1903 Icklar Street, Suite 200  
Colorado Springs, CO 80909  
719.635.5736

PROJECT TITLE:  
**Douglas County  
School District  
RE-1  
Castle View  
High School**  
Castle Rock, CO

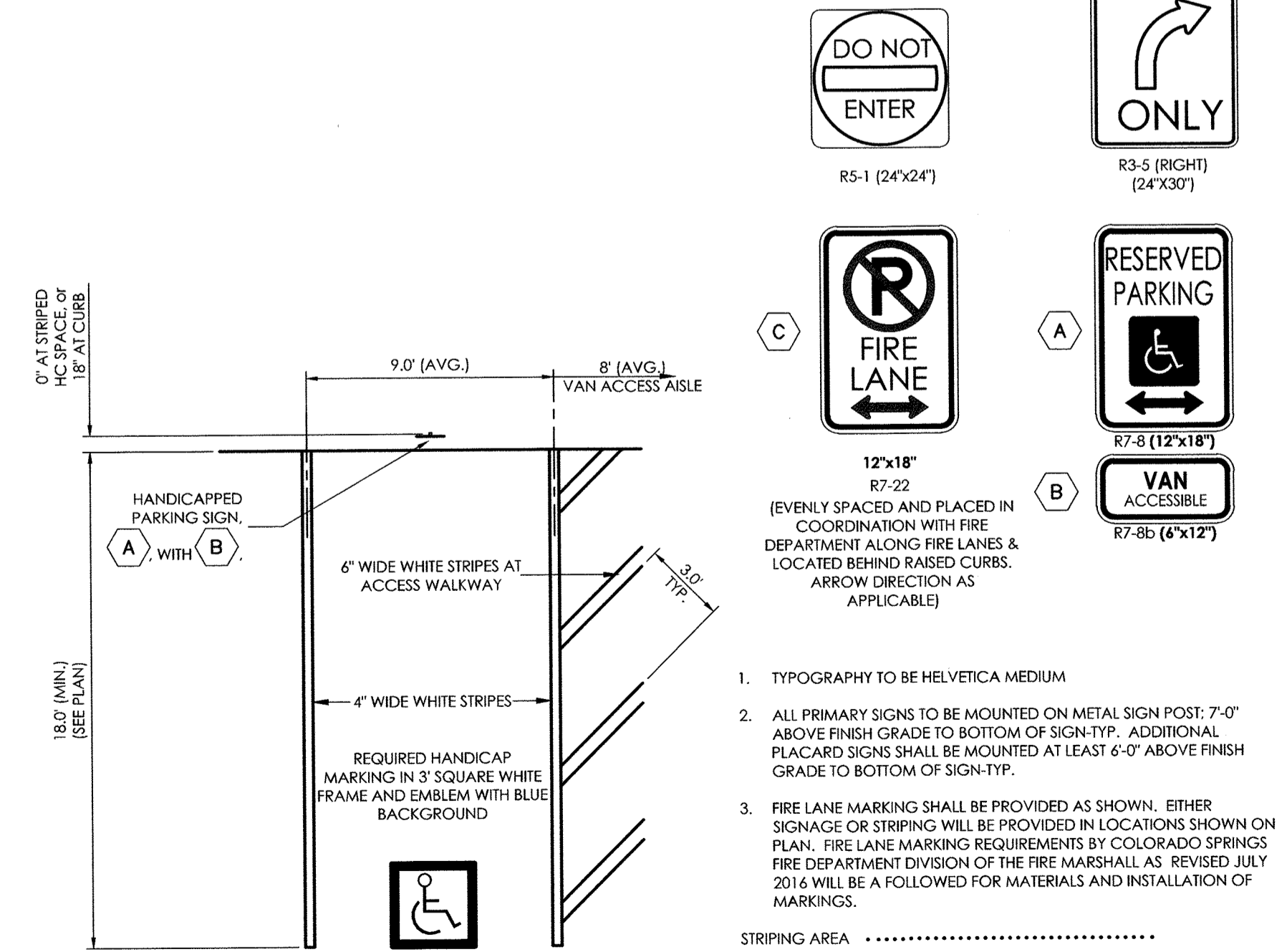
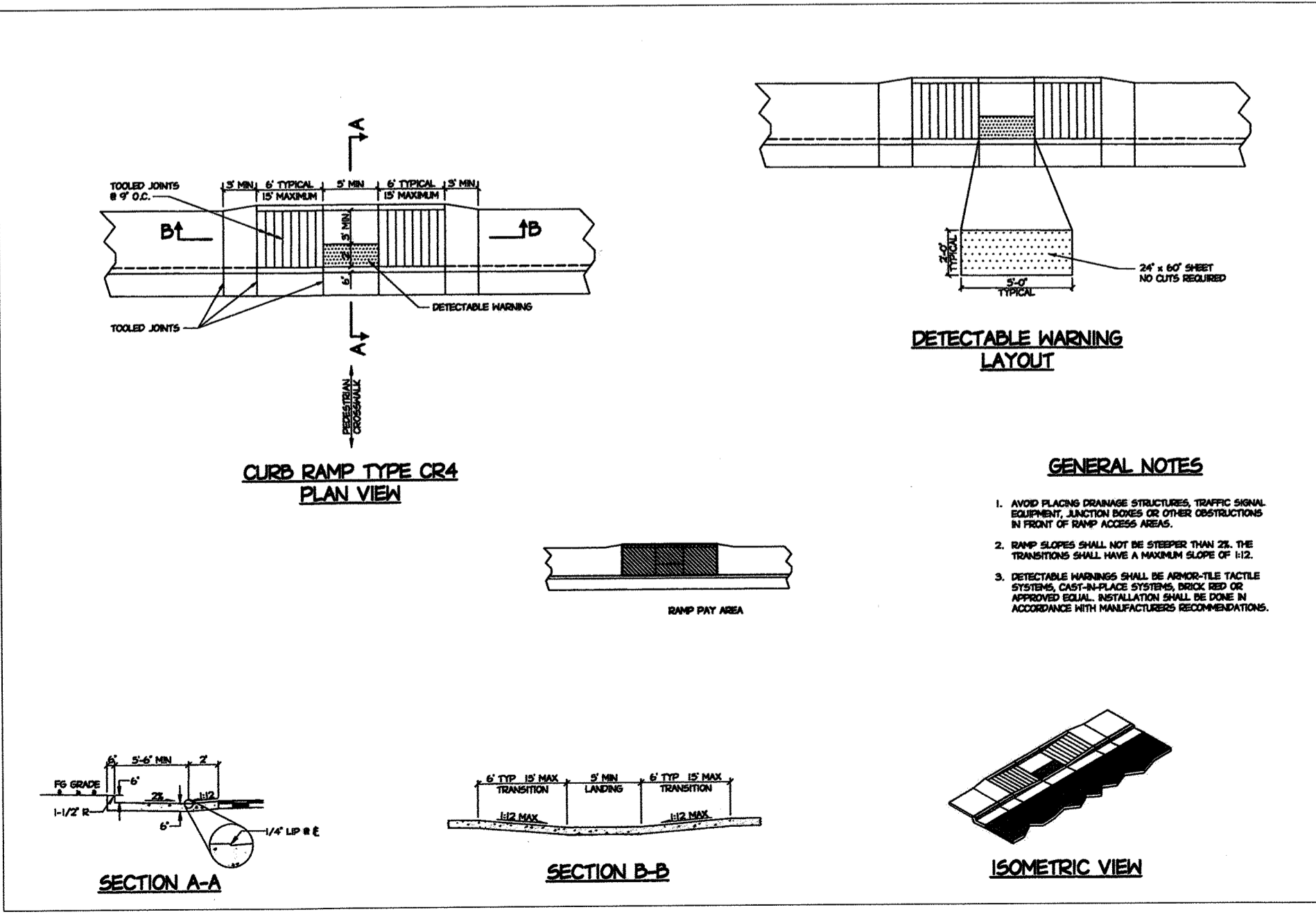
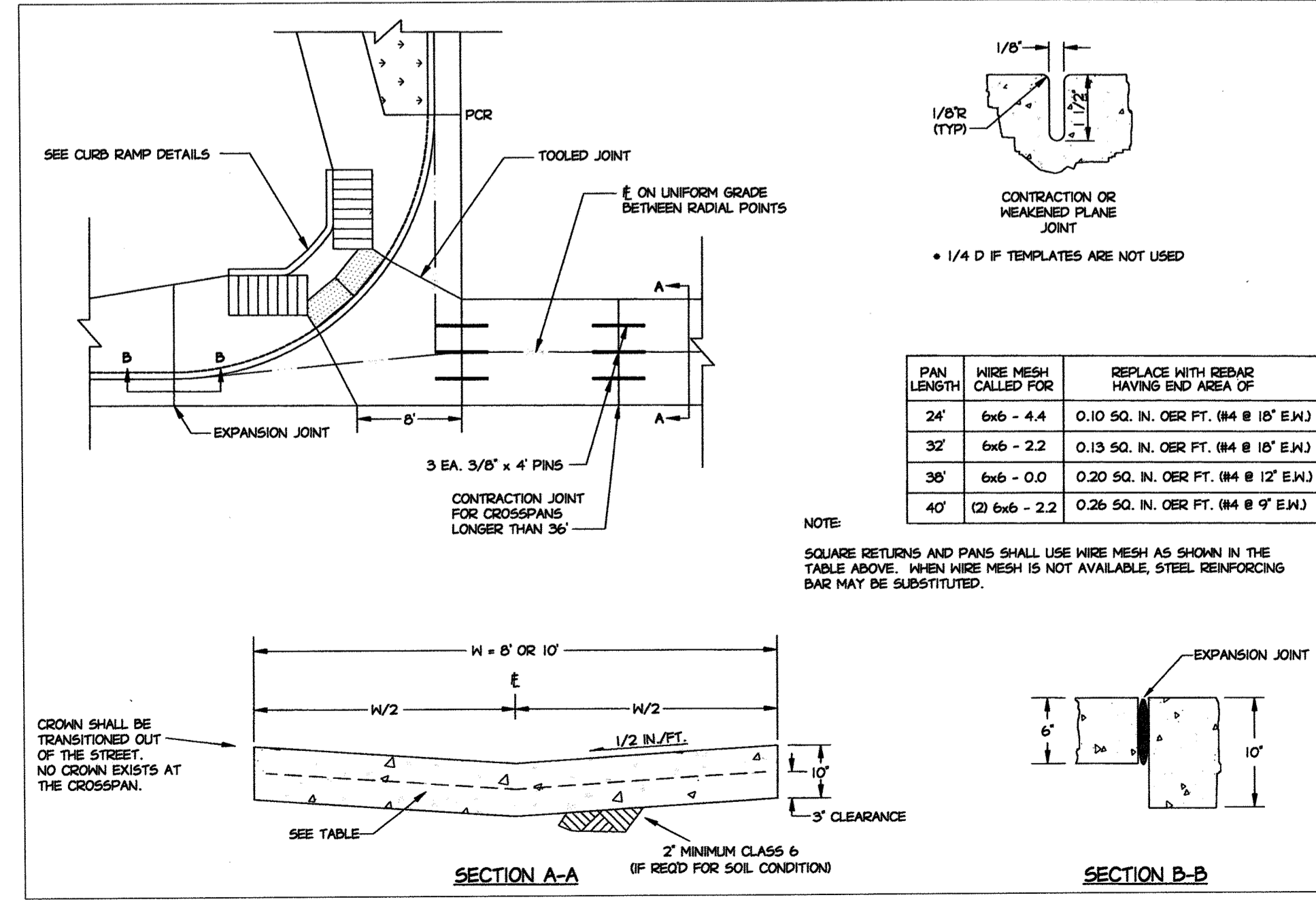
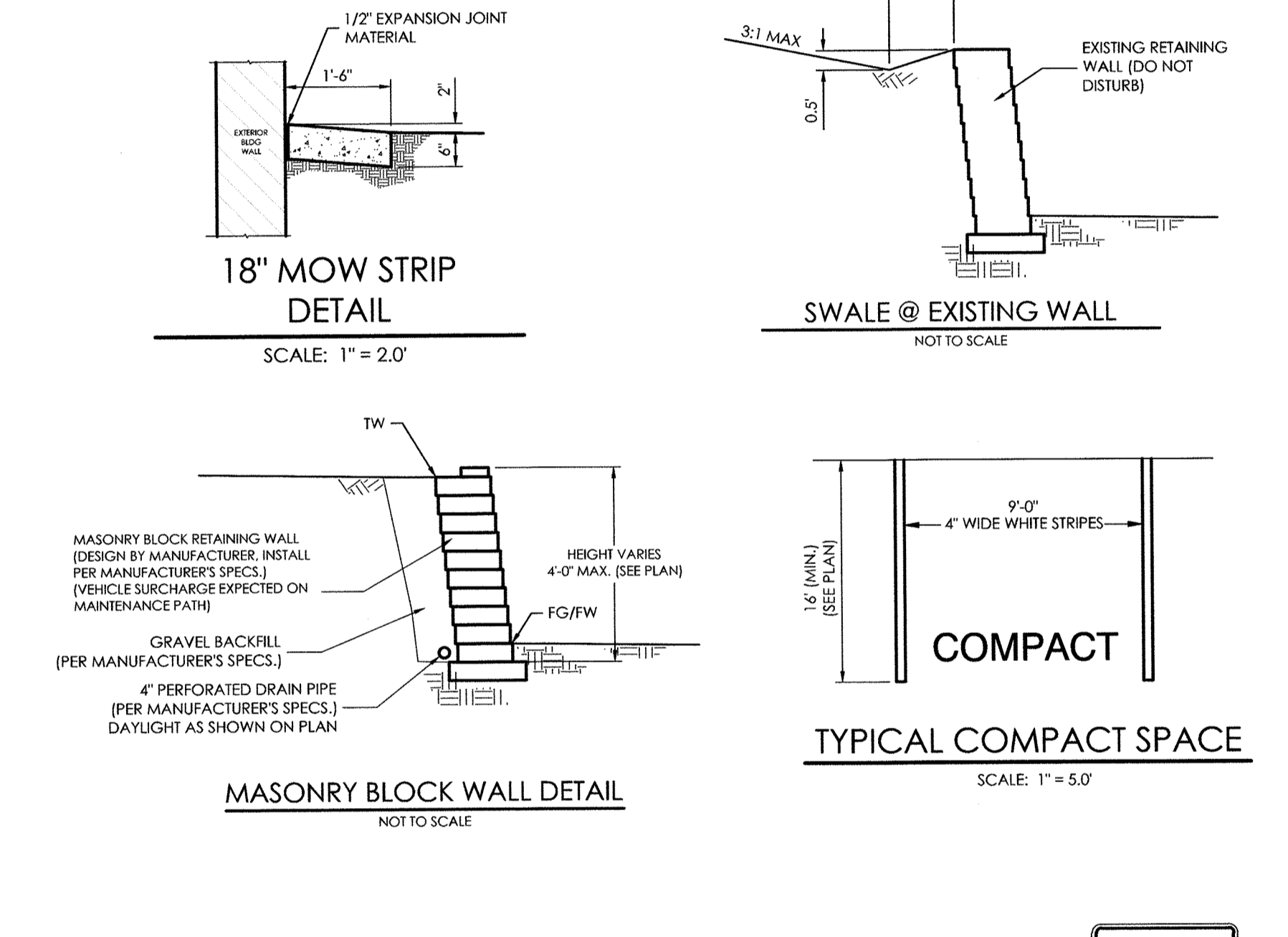
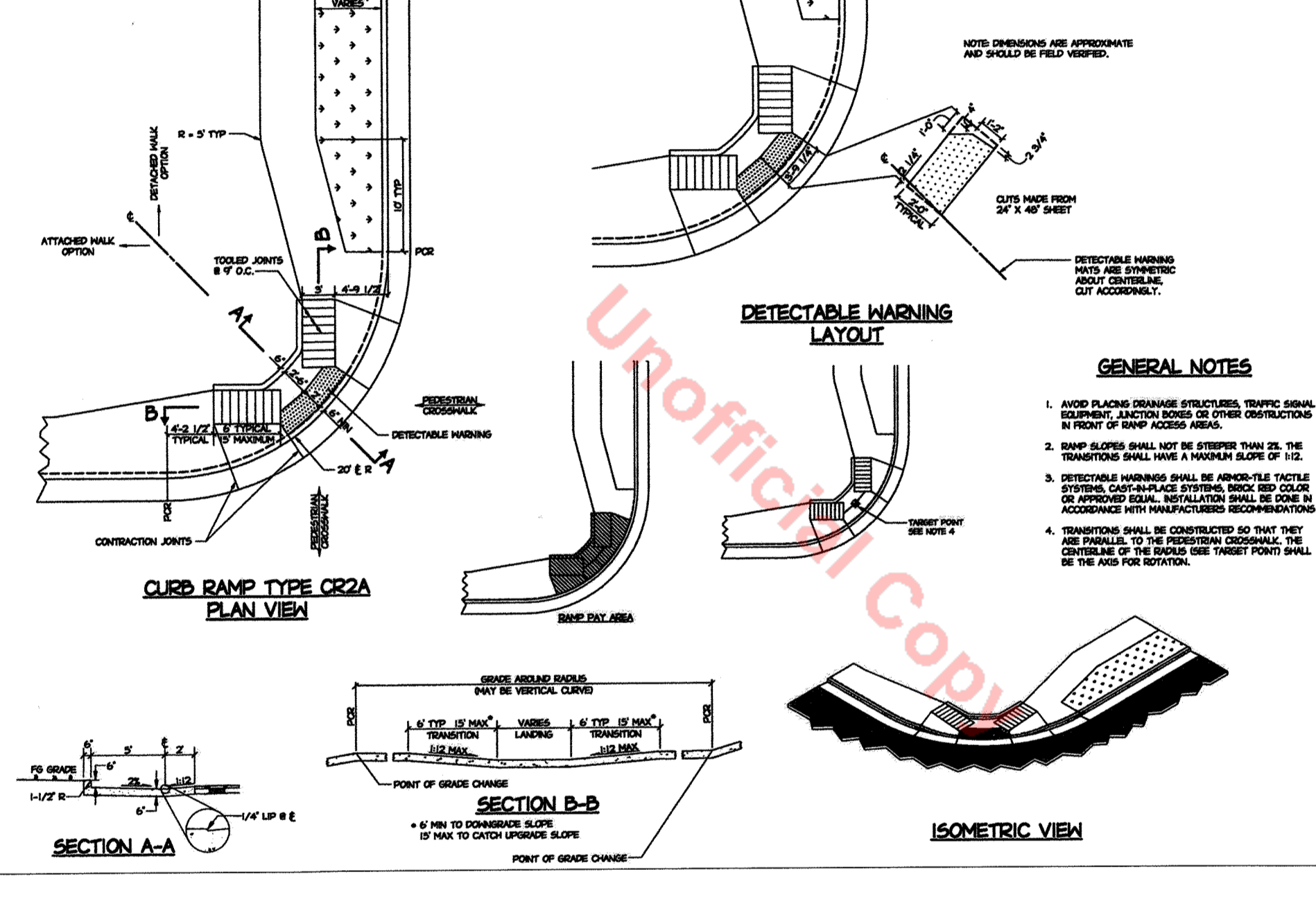
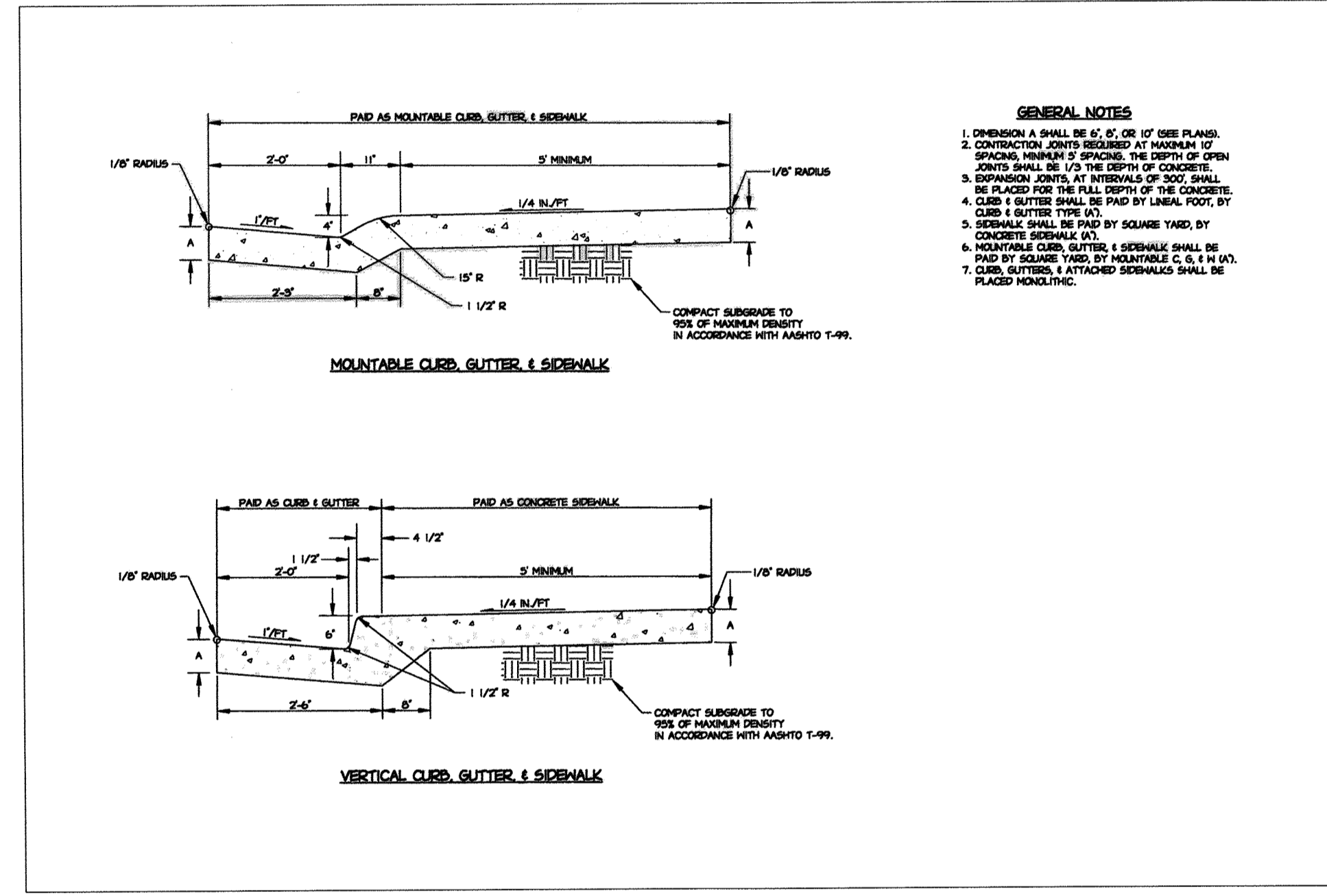
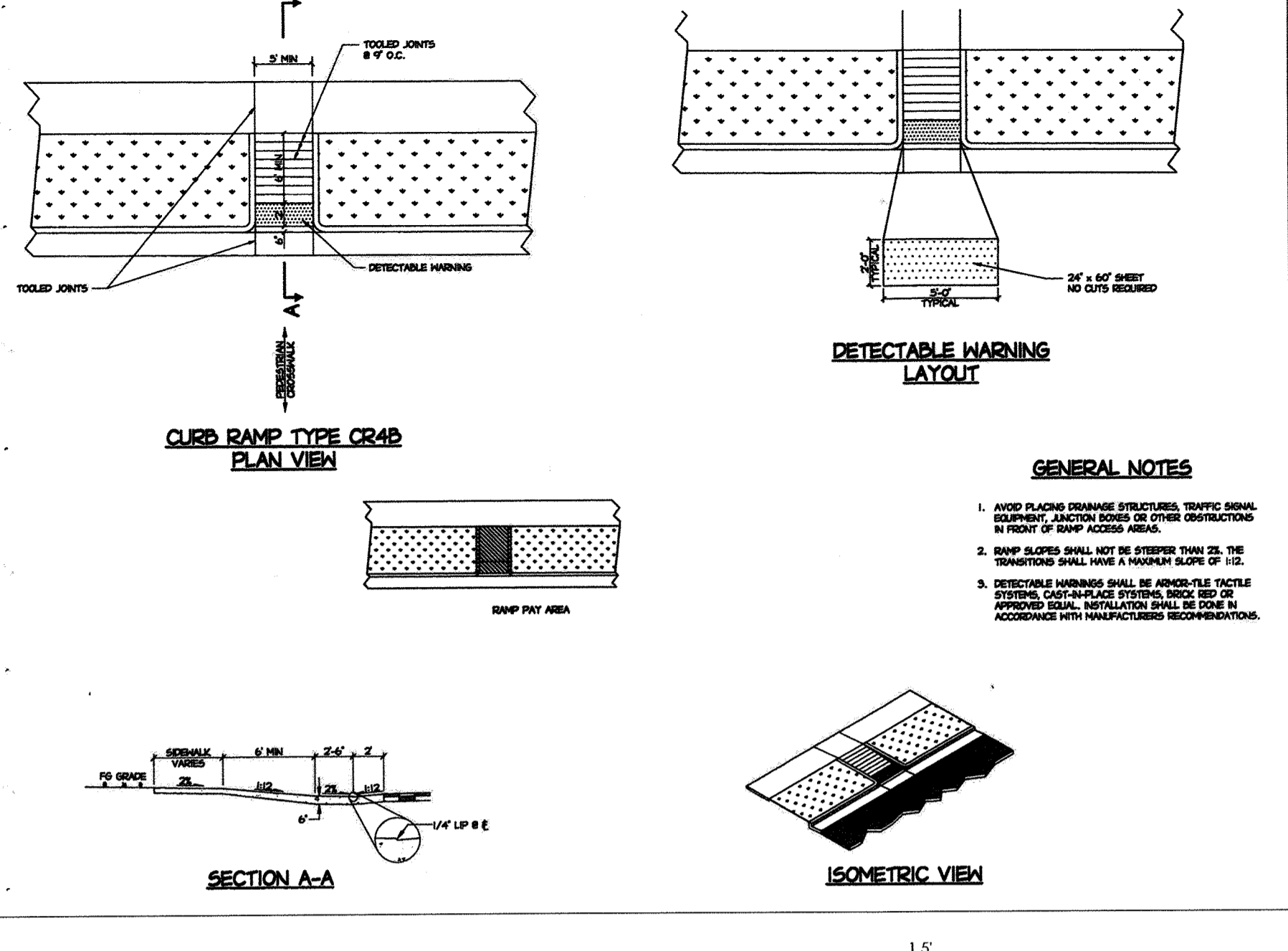
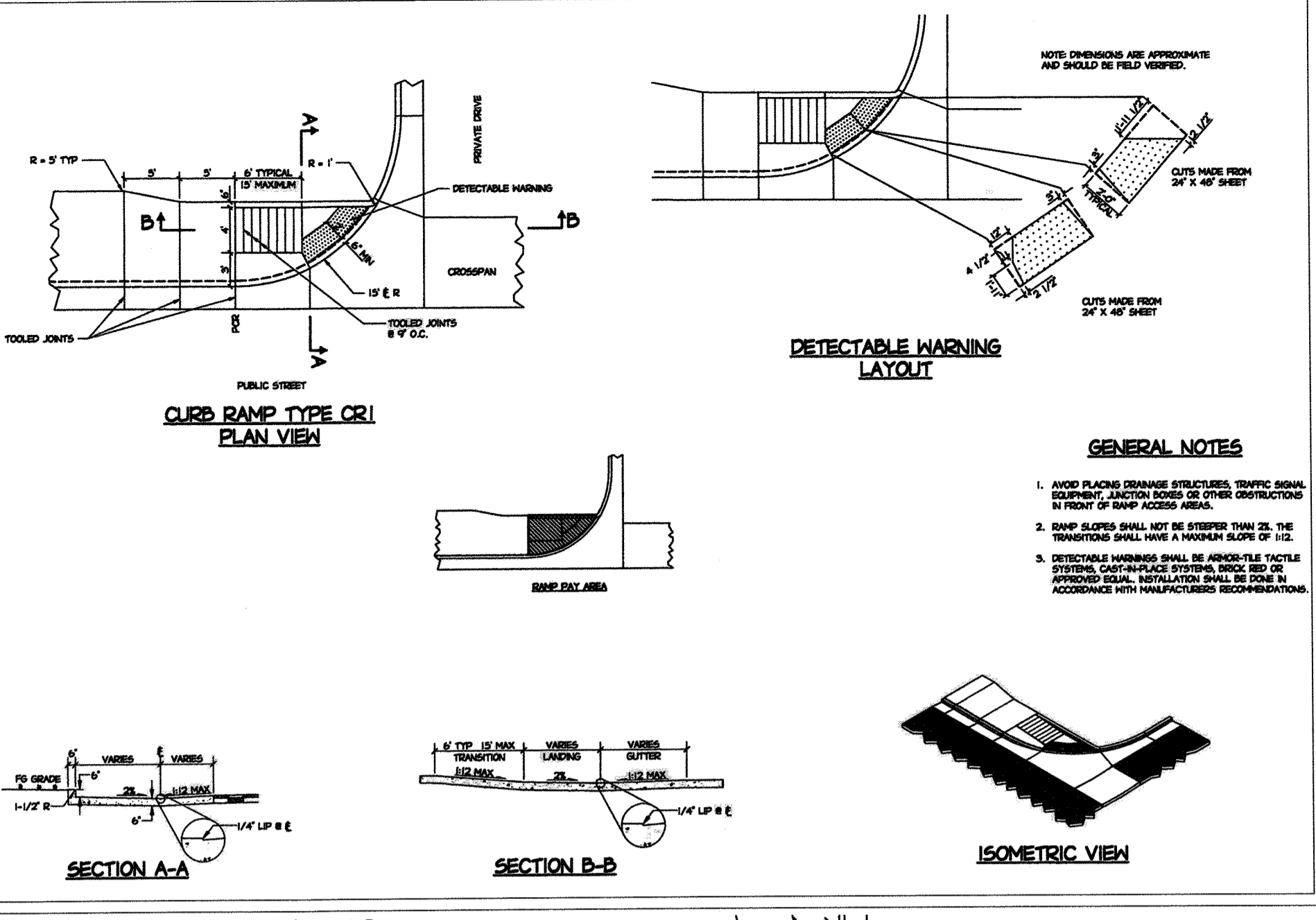
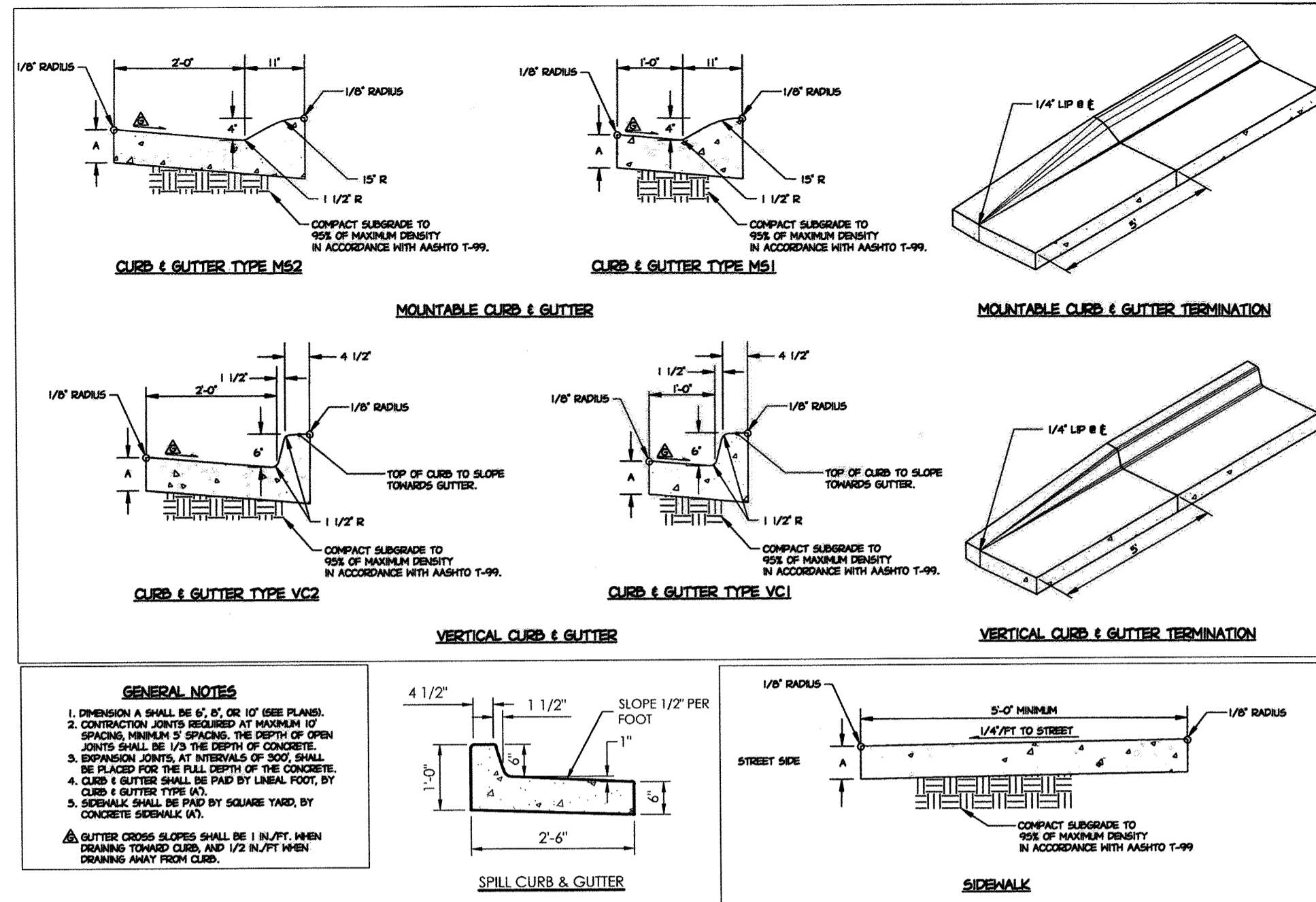
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02/14/20		SDP Resubmittal
01/15/20		SDP Resubmittal
11/08/19		SDP Submittal

CAD FILE NUMBER: 19011  
PROJECT NUMBER:  
DRAWN BY: TJW  
CHECK BY: DRG

SHEET TITLE:  
**SITE DEVELOPMENT  
PLAN (SDP)**  
**GENERAL GRADING  
PLAN**

**SD1.2**  
SHEET 4 OF 19





**Eidos ARCHITECTS**

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**MVE, INC.**  
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COLORADO LICENSED PROFESSIONAL ENGINEER

6/1/20  
31672

PROJECT TITLE:

**Douglas County School District RE-1**

**Castle View High School**

Castle Rock, CO

MARK	DATE	DESCRIPTION
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	01/15/20	SDP Resubmittal
	11/08/19	SDP Submittal
		DESCRIPTION

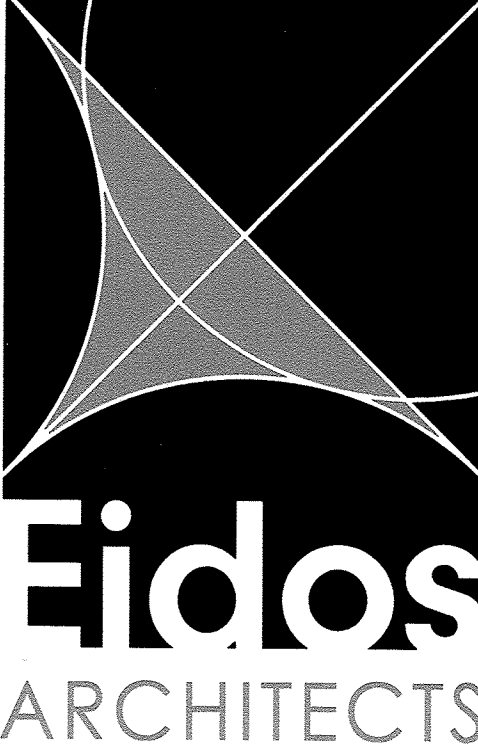
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**SITE DEVELOPMENT PLAN (SDP)**

CIVIL DETAILS

**SD1.4**  
SHEET 6 OF 19

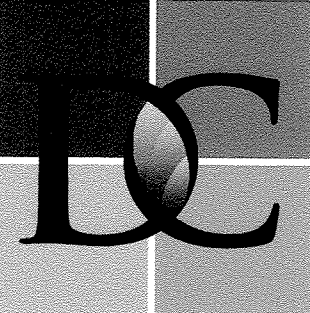
SDP SITE / PLANTING PLAN PREPARED BY CAROL HENRY, REGISTERED LANDSCAPE ARCHITECT, COLORADO STATE BOARD OF LANDSCAPE ARCHITECTS, LA #299



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DESIGN CONCEPTS  
Community + Landscape Architects  
211 North Public Road, Suite 200  
Lafayette CO 80026  
303 664 5301 www.dclanet



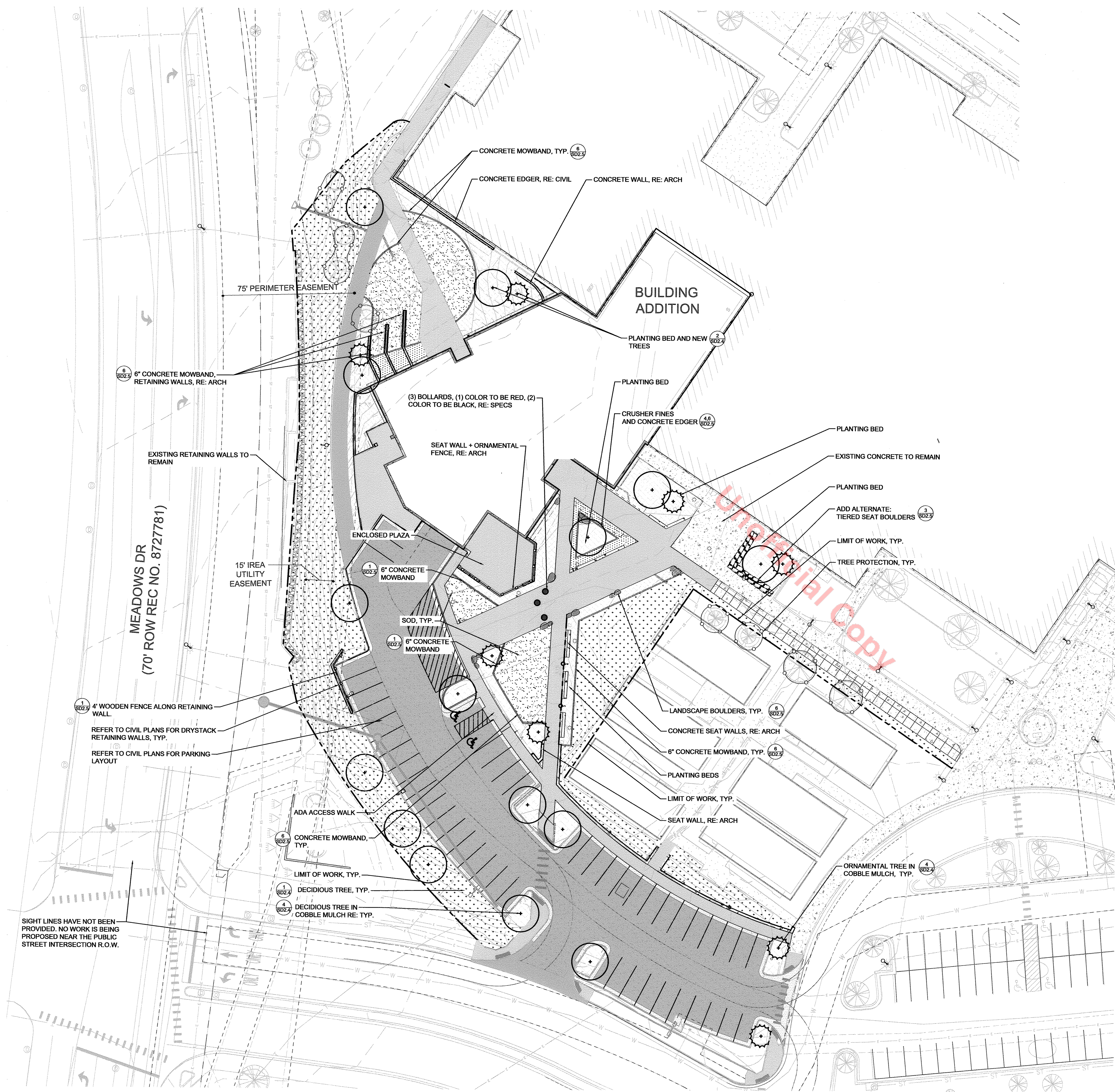
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Castle Rock, CO

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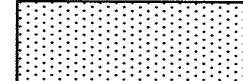
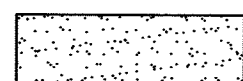
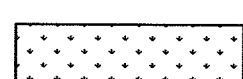


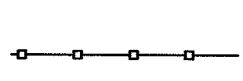
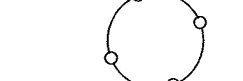
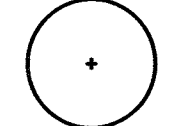
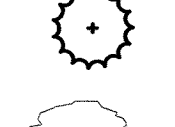


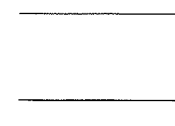

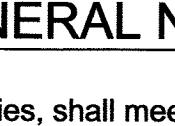
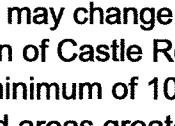
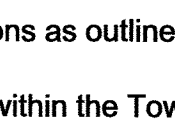
PROJECT NUMBER: 19011  
CAD FILE:  
DRAWN BY: SM  
CHECK BY: CH

SHEET TITLE:  
**SITE DEVELOPMENT PLAN (SDP)**  
**LANDSCAPE SITE PLAN**

**SD2.0**  
SHEET 7 OF 19  
SDP 19-0042



**LEGEND**

-  STABILIZED CRUSHER FINES
-  ENVIRO TURF SOD
-  NATIVE SEED
-  COBBLE MULCH 6"-12" SIZE COBBLE
-  LIMIT OF WORK
-  4' CEDAR FENCE
-  TREE PROTECTION
-  LARGE DECIDUOUS TREE
-  SMALL ORNAMENTAL TREE
-  EXISTING TREES
-  SEAT BOULDER
-  LANDSCAPE BOULDER
-  BOLLARDS, RE: SPECS
-  PROPOSED INDEX CONTOUR
-  PROPOSED CONTOUR
-  EXISTING CONTOUR

**SITE DEVELOPMENT PLAN GENERAL NOTES**

1. Final landscape area, coverage and plant quantities, shall meet or exceed quantities represented in this drawing and shall conform to subsequent submittal requirements.
2. Location of plant materials are approximated and may change slightly due to unforeseen field constraints.
3. All plants are to be properly hydrozoned per Town of Castle Rock Plant list.
4. Distance of trees to wet utility lines should be a minimum of 10 feet.
5. Permanent irrigation is required for all landscaped areas greater than 500 square feet, per Section 4.2.3 of the Landscape and Irrigation Manual.
6. Design must accommodate the watering restrictions as outlined in the Town of Castle Rock Water Use Management Plan (WUMP).
7. Irrigation systems are to be designed to operate within the Town of Castle Rock Water Use Management Plan.
8. Irrigation systems are to be designed per the Town of Castle Rock Landscape and Irrigation regulations Section 4.2.3 and to correlate with the use type on the property.
9. If any transformers, ground-mounted HVAC units, utility pedestals, or similar features existing on site, but not shown on the Site Development Plan, additional landscaping and screening may be required based upon field conditions determined during the site inspection. Installation will be required prior to the final inspection and the issuance of the certificate of occupancy, as applicable.
10. No solid object exceeding 30" in height above the flowline elevation of the adjacent street, including, but not limited to building, utility cabinets, walls, fences, trees, landscape plantings, cut slopes and berms shall be placed in sight distance triangles or easements as shown on the plan.
11. No trees, large shrubs, or permanent structures are allowed in wet utility and drainage easements.
12. An irrigation plan is required with the first submittal of the Construction Documents. Please see Sections 3.1.2B and 4.2.3 of the Town of Castle Rock Landscape and Irrigation Performance Standards and Criteria Manual for irrigation submittal and design requirements. Changes to the landscape plan may be necessary due to Construction Documents Irrigation Plan review comments.
13. Landscape and irrigation shall be installed by a Town of Castle Rock registered landscape contract professional.
14. Dead plant materials shall be removed and replaced with healthy planting materials of comparable size and species that meet the original intent of the approved landscape design within forty-five(45) days or sooner in the event of a contagious disease or invasive insect species. Town of Castle Rock is not responsible for plant replacements.
15. Slopes steeper than 3:1 are not permitted on landscape plans in the Town of Castle Rock.

**1 LANDSCAPE SITE PLAN**  
Scale: 1" = 30'-0"



SDP SITE / PLANTING PLAN PREPARED BY CAROL HENRY, REGISTERED LANDSCAPE ARCHITECT,  
 COLORADO STATE BOARD OF LANDSCAPE ARCHITECTS, LA #299

**LANDSCAPE NOTES**

- Final landscape area, coverage and plant quantities, shall meet or exceed quantities represented in this drawing and shall conform to subsequent submittal requirements.
- Location of plant materials are approximated and may change slightly due to unforeseen field constraints.
- All plants are to be properly hydrozoned per Town of Castle Rock Plant list.
- Distance of trees to wet utility lines should be a minimum of 10 feet.
- Permanent irrigation is required for all landscaped areas greater than 500 sf, per Section 4.2.3 of the Landscape and Irrigation Manual.
- Design accommodates the watering restrictions as outlined in the Town of Castle Rock Water Use Management Plan (WUMP).
- Irrigation systems are to be designed to operate within the Town of Castle Rock Water Use Management Plan.
- Irrigation systems are to be designed per the Town of Castle Rock Landscape and Irrigation regulations Section 4.2.3 and to correlate with the use type on the property.
- If any transformers, ground-mounted HVAC units, utility pedestals, or similar features existing on site, but not shown on the Site Development Plan, additional landscaping and screening may be required based upon field conditions determined during the site inspection. Installation will be required prior to the final inspection and the issuance of the certificate of occupancy, as applicable.
- No solid object exceeding 30" in height above the flowline elevation of the adjacent street, including, but not limited to building, utility cabinets, walls, fences, trees, landscape plantings, cut slopes and berms shall be placed in sight distance triangles or easements as shown on the plan.
- No trees, large shrubs, or permanent structures are allowed in wet utility and drainage easements.
- An irrigation plan will be submitted with the first submittal of the Construction Docs. Changes to the landscape plan may be necessary due to Construction Documents Irrigation Plan review comments.
- Landscape and irrigation shall be installed by a Town of Castle Rock registered landscape contract professional.
- Dead plant materials shall be removed and replaced with healthy planting materials of comparable size and species that meet the original intent of the approved landscape design within forty-five(45) days or sooner in the event of a contagious disease or invasive insect species. Town of Castle Rock is not responsible for plant replacements.
- Slopes steeper than 3:1 are not permitted on landscape plans.

**PLANT SCHEDULE**

Symbol	Botanic Name	Common Name	Cont.	Adapted or Native	Quantity
<b>DECIDUOUS TREES</b>					
CE OC	<i>Celtis occidentalis</i> 'Prairie Pride'	Prairie Pride Hackberry	2 1/2" B&B	Native	7
GL TR	<i>Gleditsia triacanthos Inermis</i> 'Shademaster'	Shademaster Honeylocust	2 1/2" B&B	Adapted	4
GL TS	<i>Gleditsia triacanthos Inermis</i> 'Skycole'	Skyline Honeylocust	2 1/2" B&B	Adapted	1
<b>ORNAMENTAL TREES</b>					
PR MA	<i>Prunus Maackii</i>	Amur Chokecherry	2 1/2" B&B	Adapted	2
PY CA	<i>Pyrus calleryana</i>	Chanticleer Pear	2 1/2" B&B	Adapted	5
<b>DECIDUOUS SHRUBS</b>					
AR CO	<i>Arctostaphylos x colordensis</i>	Colorado Manzanita	#5 CONT.	Native	15
PR BE	<i>Prunus besseyi</i> 'Pawnee Buttes'	Pawnee Buttes Sand Cherry	#5 CONT.	Native	18
RH AR	<i>Rhus aromatica</i> 'Grow Low'	Gro-Low Sumac	#5 CONT.	Native	25
RI AU	<i>Ribes aureum</i>	Golden Currant	#5 CONT.	Native	34
<b>ORNAMENTAL GRASSES</b>					
BO GR	<i>Bouteloua gracilis</i> 'Blonde Ambition'	Blonde Ambition Blue Grama Grass	#1 CONT.	Adapted	16
CA BR	<i>Calamagrostis brachytricha</i>	Feather Reed Grass	#1 CONT.	Adapted	25
MI SI	<i>Miscanthus sinensis</i> 'Yaku Jima'	Maiden Grass	#1 CONT.	Adapted	17
PE AL	<i>Pennisetum alopecuroides</i> 'Hamel'	Fountain Grass	#1 CONT.	Adapted	42
<b>PLANT LIST - ALTERNATE</b>					
Symbol	Botanic Name	Common Name	Cont.	Adapted or Native	Quantity
<b>ORNAMENTAL GRASSES</b>					
CA BR	<i>Calamagrostis brachytricha</i>	Feather Reed Grass	#1 CONT.	Adapted	14
PE AL	<i>Pennisetum alopecuroides</i> 'Hamel'	Fountain Grass	#1 CONT.	Adapted	51

**COMMERCIAL SITE INVENTORY TABLE**



**Commercial Landscape Site Inventory**

State of Colorado Registered Professional Carol Henry  
 Town of Castle Rock Registration # \_\_\_\_\_ State of Colorado License Landscape Architect # 299  
 Company Name Design Concepts Address 211 N. Public Rd., Ste. 200, Lafayette, CO 80026  
 Phone 303.664.5301 Email CarolH@dcla.net Date 11/01/2019  
 PROJECT NAME Castle View High School - F Pod Addition

Gross Site Area	Landscape Area in Sq.Ft.	Turfgrass List Species (Area in Sq.Ft.)	Nonliving Ornamental (Area in Sq.Ft.)	No. of Trees Required	No. of Trees Provided	No. of Shrubs Required	No. of Shrubs Provided	Soil Prep Amounts (In cu.yds. per 1000 Sq.Ft.)	Separate Irrigation Service Connections
83,930 SF	8,393 SF REQUIRED 26,528 SF PROVIDED (31.6%)	4,030 SF ENVIRO TURF	7,775 SF	17	19	34	92	80 CY (3CY / 1,000 SF)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> EXISTING
Parking Lot (Area in Sq.Ft.)	Parking Lot Landscape Area (Sq. ft.)	No. of Parking Spaces	Nonliving Ornamental (Area in Sq.Ft.)	No. of Interior Landscape Islands	Minimum Width of Interior Landscaped Islands	No. of Trees Required	No. of Trees Provided	No. of Shrubs Required	No. of Shrubs Provided
18,473 SF	1,847 SF REQUIRED 3,327 SF PROVIDED (18.0%)	50	470 SF	7	8'	4	8	8	8

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 Greenwood Village, CO 80111  
 Phone: 720-200-0630  
 Fax: 720-200-0631

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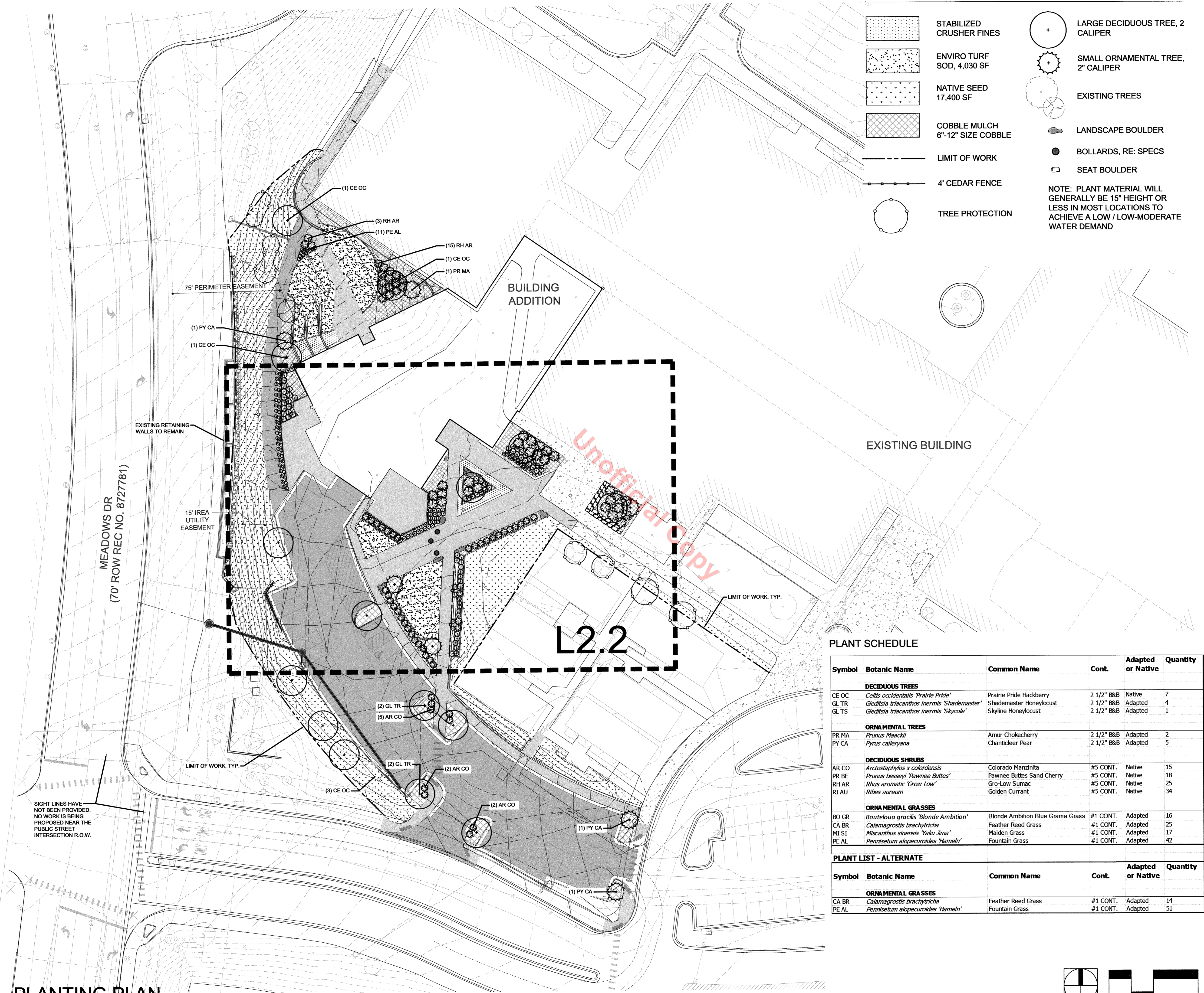
CONSULTANTS:

DESIGN CONCEPTS  
 Community + Landscape Architects  
 211 North Public Road, Suite 200  
 Lafayette CO 80026  
 303 664 5301 www.dcls.net

PROJECT TITLE:  
**Douglas County School District RE-1**  
**Castle View High School**  
 Castle Rock, CO

MARK	DATE	DESCRIPTION
	06/02/20	Final SDP
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	11/08/19	SDP Submittal

PROJECT NUMBER: 19011  
 CAD FILE:  
 DRAWN BY: SM  
 CHECK BY: CH  
 SHEET TITLE:  
**SITE DEVELOPMENT PLAN (SDP)**  
**LANDSCAPE SITE PLAN NOTES**



**LEGEND**

- STABILIZED CRUSHER FINES
  - ENVIRO TURF SOD, 4,030 SF
  - NATIVE SEED 17,400 SF
  - COBBLE MULCH 6"-12" SIZE COBBLE
  - LIMIT OF WORK
  - 4' CEDAR FENCE
  - TREE PROTECTION
  - LARGE DECIDUOUS TREE, 2 CALIPER
  - SMALL ORNAMENTAL TREE, 2" CALIPER
  - EXISTING TREES
  - LANDSCAPE BOULDER
  - BOLLARDS, RE: SPECS
  - SEAT BOULDER
- NOTE: PLANT WILL GENERALLY BE 15" HEIGHT OR LESS IN MOST LOCATIONS TO ACHIEVE A LOW / LOW-MODERATE WATER DEMAND

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L2.2

**PLANT SCHEDULE**

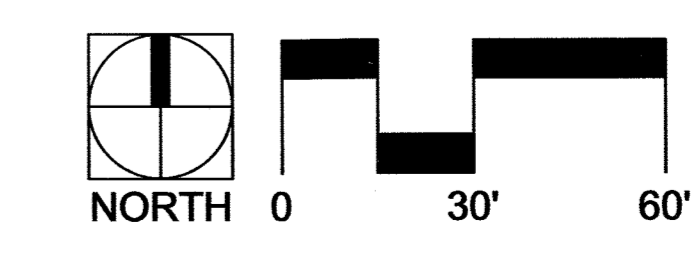
Symbol	Botanic Name	Common Name	Cont.	Adapted or Native	Quantity
<b>DECIDUOUS TREES</b>					
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GL TR	<i>Gleditsia triacanthos inermis</i> 'Shademaster'	Shademaster Honeylocust	2 1/2" B&B	Adapted	4
GL TS	<i>Gleditsia triacanthos inermis</i> 'Skycole'	Skyline Honeylocust	2 1/2" B&B	Adapted	1
<b>ORNAMENTAL TREES</b>					
PR MA	<i>Prunus Maackii</i>	Amur Chokecherry	2 1/2" B&B	Adapted	2
PY CA	<i>Prunus calleryana</i>	Chanticleer Pear	2 1/2" B&B	Adapted	5
<b>DECIDUOUS SHRUBS</b>					
AR CO	<i>Arctostaphylos x colardensis</i>	Colorado Manzanita	#5 CONT.	Native	15
PR BE	<i>Prunus besseyi</i> 'Pawnee Buttes'	Pawnee Buttes Sand Cherry	#5 CONT.	Native	18
RH AR	<i>Rhus aromatica</i> 'Grow Low'	Gro-Low Sumac	#5 CONT.	Native	25
RI AU	<i>Ribes aureum</i>	Golden Currant	#5 CONT.	Native	34
<b>ORNAMENTAL GRASSES</b>					
BO GR	<i>Bouteloua gracilis</i> 'Blonde Ambition'	Blonde Ambition Blue Grama Grass	#1 CONT.	Adapted	16
CA BR	<i>Calamagrostis brachytricha</i>	Feather Reed Grass	#5 CONT.	Adapted	25
MI SI	<i>Miscanthus sinensis</i> 'Yaku Jima'	Maiden Grass	#1 CONT.	Adapted	17
PE AL	<i>Pennisetum alopecuroides</i> 'Hamel'	Fountain Grass	#1 CONT.	Adapted	42

**PLANT LIST - ALTERNATE**

Symbol	Botanic Name	Common Name	Cont.	Adapted or Native	Quantity
<b>ORNAMENTAL GRASSES</b>					
CA BR	<i>Calamagrostis brachytricha</i>	Feather Reed Grass	#1 CONT.	Adapted	14
PE AL	<i>Pennisetum alopecuroides</i> 'Hamel'	Fountain Grass	#1 CONT.	Adapted	51

**1 PLANTING PLAN**

Scale: 1" = 30'-0"



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 Greenwood Village, CO 80111  
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 303 664 5301 www.dcds.net

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 Original Date of Licensure 01/01/2008  
 State of Colorado  
 LICENSED LANDSCAPE ARCHITECT

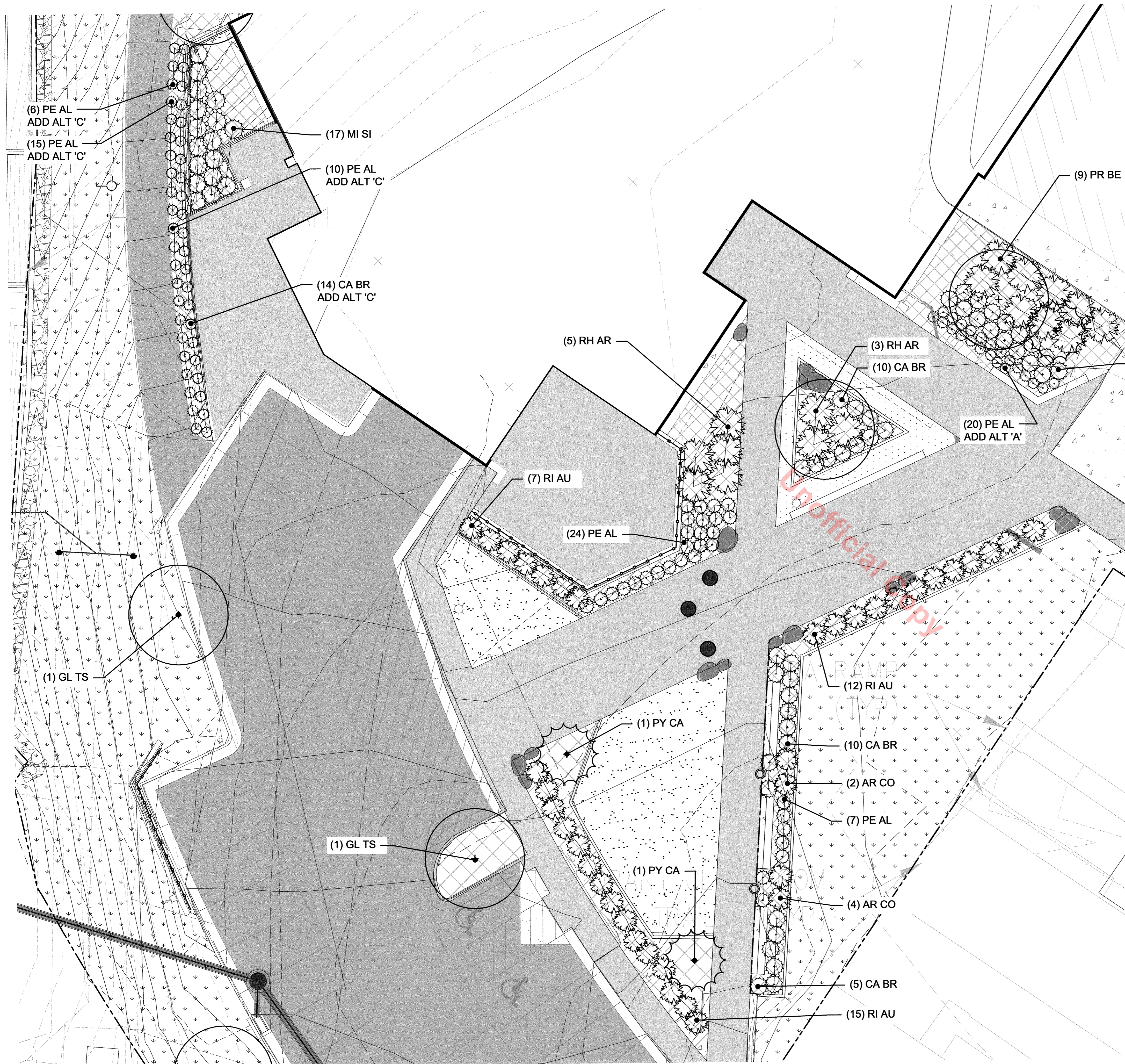
**PROJECT TITLE:**  
 Douglas County School District  
 RE-1  
 Castle View High School  
 Castle Rock, CO

MARK	DATE	DESCRIPTION
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	03/02/20	SDP Resubmittal
	02/14/20	SDP Resubmittal
	01/15/20	SDP Resubmittal
	11/08/19	SDP Submittal

PROJECT NUMBER: 19011  
 DRAWN BY: SM  
 CHECK BY: CH

**SHEET TITLE:**  
 SITE DEVELOPMENT PLAN (SDP)  
 PLANTING PLAN

**SD2.2**  
 SHEET 9 OF 19  
 SDP 19-0042



PLANT SCHEDULE

Symbol	Botanic Name	Common Name	Cont.	Adapted or Native	Quantity
<b>DECIDUOUS TREES</b>					
CE OC	<i>Celtis occidentalis</i> 'Prairie Pride'	Prairie Pride Hackberry	2 1/2" B&B	Native	7
GL TR	<i>Gleditsia triacanthos inermis</i> 'Shademaster'	Shademaster Honeylocust	2 1/2" B&B	Adapted	4
GL TS	<i>Gleditsia triacanthos inermis</i> 'Skycole'	Skyline Honeylocust	2 1/2" B&B	Adapted	1
<b>ORNAMENTAL TREES</b>					
PR MA	<i>Prunus Maackii</i>	Amur Chokecherry	2 1/2" B&B	Adapted	2
PY CA	<i>Pyrus calleryana</i>	Chanticleer Pear	2 1/2" B&B	Adapted	5
<b>DECIDUOUS SHRUBS</b>					
AR CO	<i>Arctostaphylos x coloradensis</i>	Colorado Manzanita	#5 CONT.	Native	15
PR BE	<i>Prunus besseyi</i> 'Pawnee Buttes'	Pawnee Buttes Sand Cherry	#5 CONT.	Native	18
RH AR	<i>Rhus aromatica</i> 'Grow Low'	Gro-Low Sumac	#5 CONT.	Native	25
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<b>ORNAMENTAL GRASSES</b>					
BO GR	<i>Bouteloua gracilis</i> 'Blonde Ambition'	Blonde Ambition Blue Grama Grass	#1 CONT.	Adapted	16
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PROJECT TITLE:  
**Douglas County School District RE-1**  
**Castle View High School**  
Castle Rock, CO

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	02/14/20	SDP Resubmittal
	01/15/20	SDP Resubmittal
	11/08/19	SDP Submittal
PROJECT NUMBER: 19011		
CAD FILE:		
DRAWN BY: SM		
CHECK BY: CH		

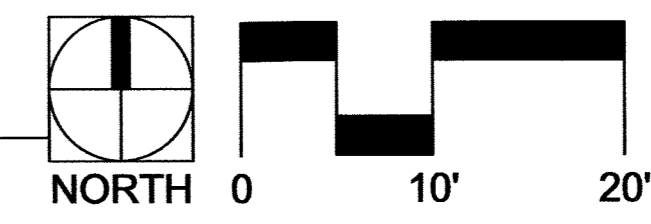
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**SITE DEVELOPMENT PLAN (SDP)**  
**PLANTING PLAN ENLARGEMENT**

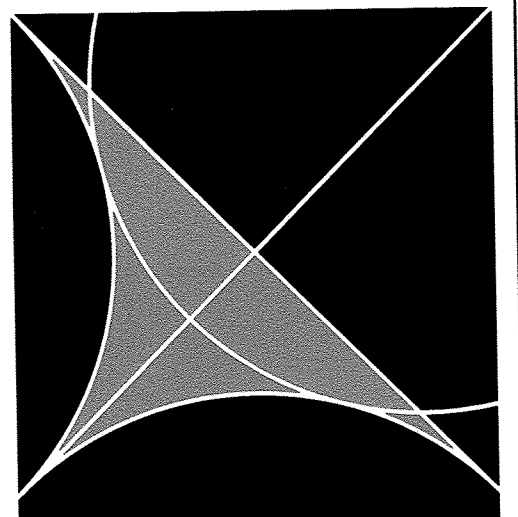
**SD2.3**  
SHEET 10 OF 19  
SDP 19-0042

LEGEND

	STABILIZED CRUSHER FINES		LARGE DECIDUOUS TREE, 2" CALIPER
	ENVIRO TURF SOD, 4,030 SF		SMALL ORNAMENTAL TREE, 2" CALIPER
	NATIVE SEED 17,400 SF		EXISTING TREES (NO EXST. TO BE REMOVED)
	COBBLE MULCH 6"-12" SIZE COBBLE		LANDSCAPE BOULDER
	LIMIT OF WORK		SEAT BOULDER
	4' CEDAR FENCE		BOLLARDS, RE: SPECS
	TREE PROTECTION	NOTE: PLANT MATERIAL WILL GENERALLY BE 15" HEIGHT OR LESS IN MOST LOCATIONS TO ACHIEVE A LOW / LOW-MODERATE WATER DEMAND	

**1 PLANTING PLAN ENLARGEMENT**  
Scale: 1" = 10'-0"



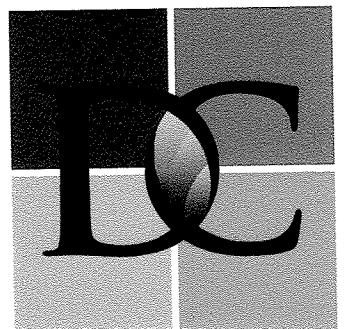


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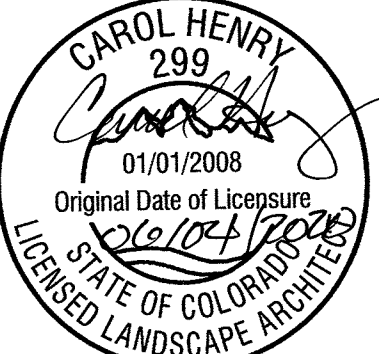
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STATE OF COLORADO

PROJECT TITLE:

**Douglas County School District RE-1**

**Castle View High School**

Castle Rock, CO

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	11/08/19	SDP Submittal

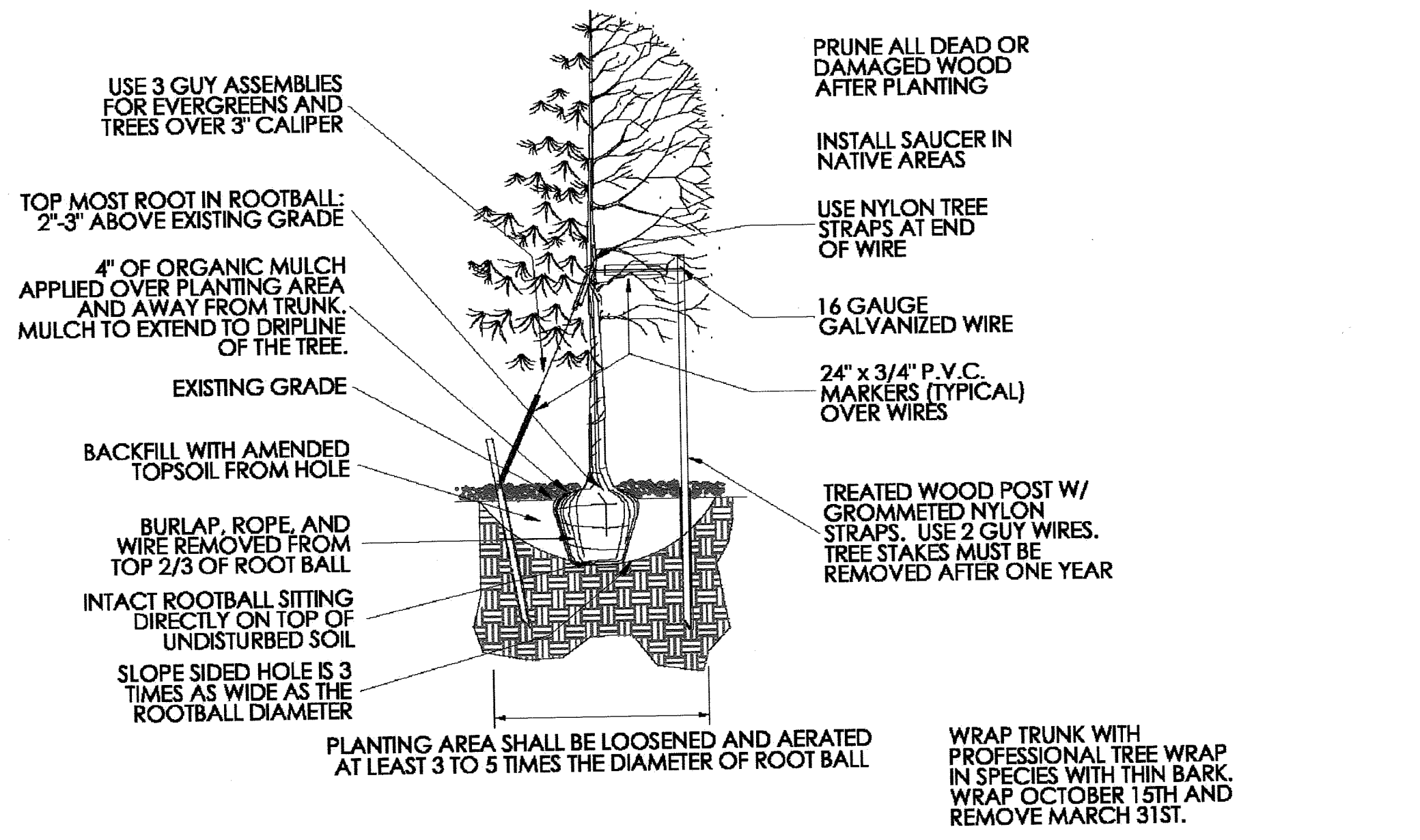
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CAD FILE:  
DRAWN BY: SM  
CHECK BY: CH

SHEET TITLE:

**SITE DEVELOPMENT PLAN (SDP)**

DETAILS - 1

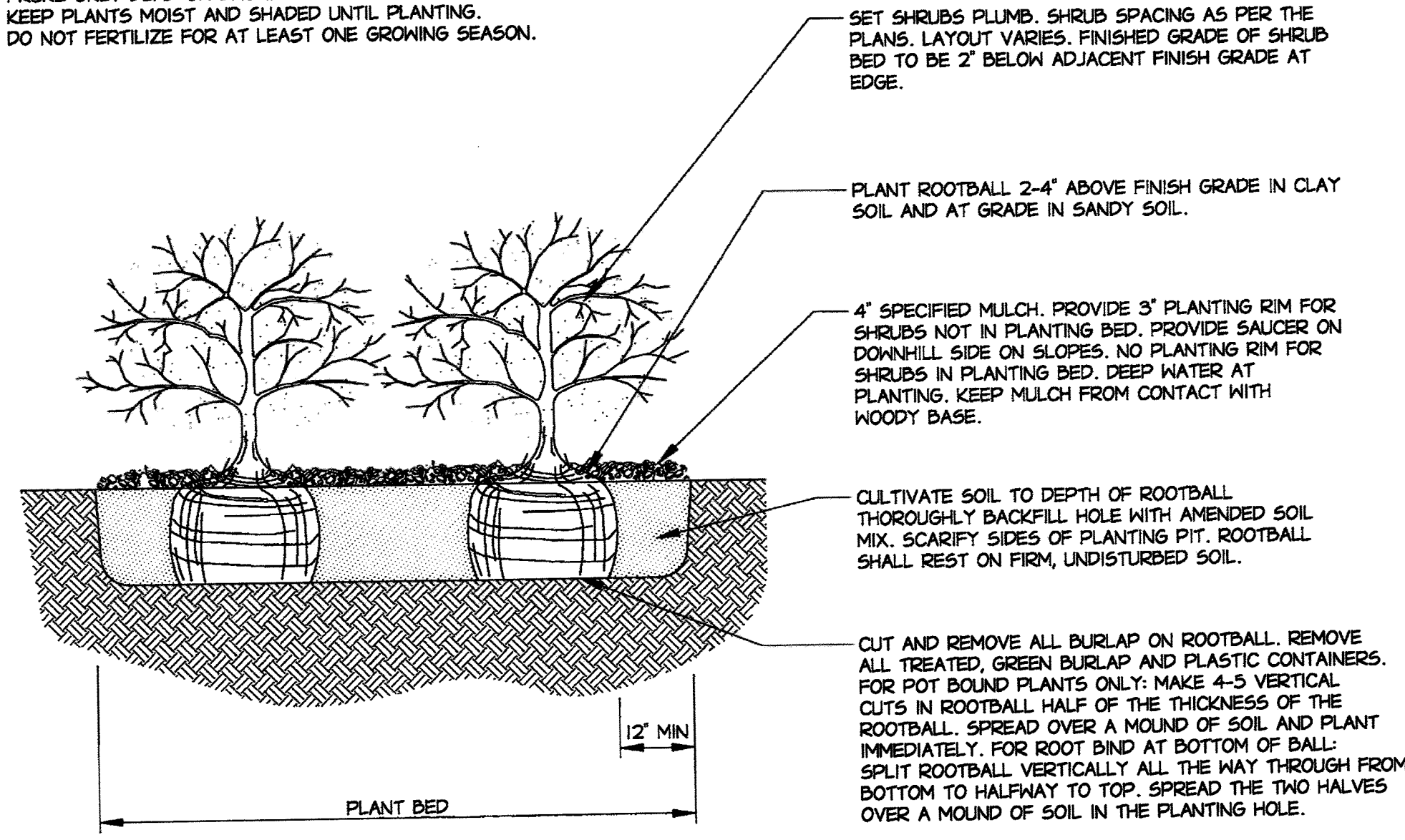
**SD2.4**  
SHEET 11 OF 19  
SDP 19-0042



Revisions	Town of Castle Rock	TREE PLANTING	DETAIL PLAN NO.
Comments	100 N. Wilcox St. Castle Rock, CO 80104 Phone: (720) 733-2200 Fax: (720) 733-2217		LS-1
	Development Services	Issued By: Town of Castle Rock, Development Services March 31, 2010	Sheet 1 of 2

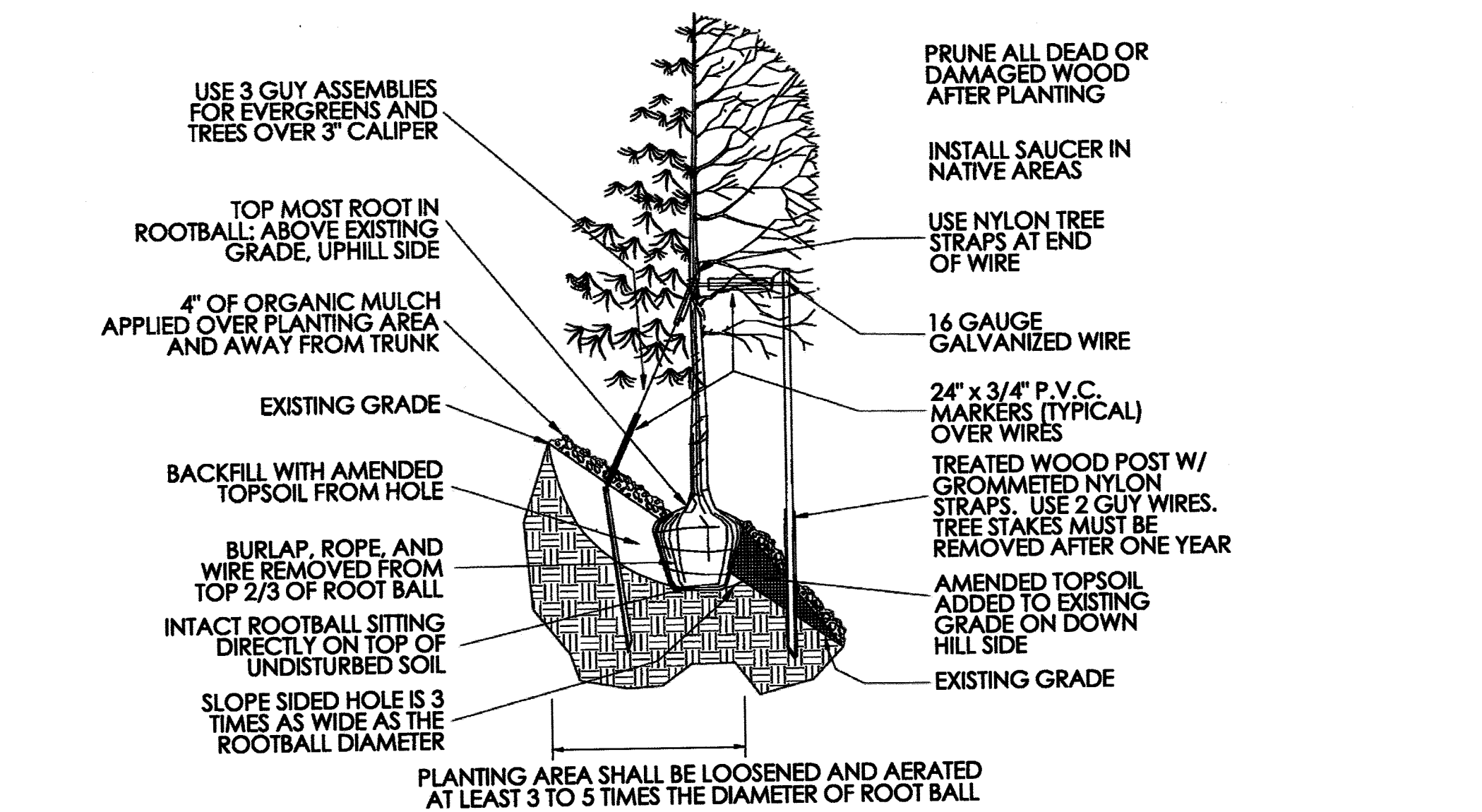
**1 CASTLE ROCK - TREE PLANTING**  
NOT TO SCALE

- NOTES:
- PRUNE ONLY DEAD OR BROKEN BRANCHES.
  - KEEP PLANTS MOIST AND SHADED UNTIL PLANTING.
  - DO NOT FERTILIZE FOR AT LEAST ONE GROWING SEASON.



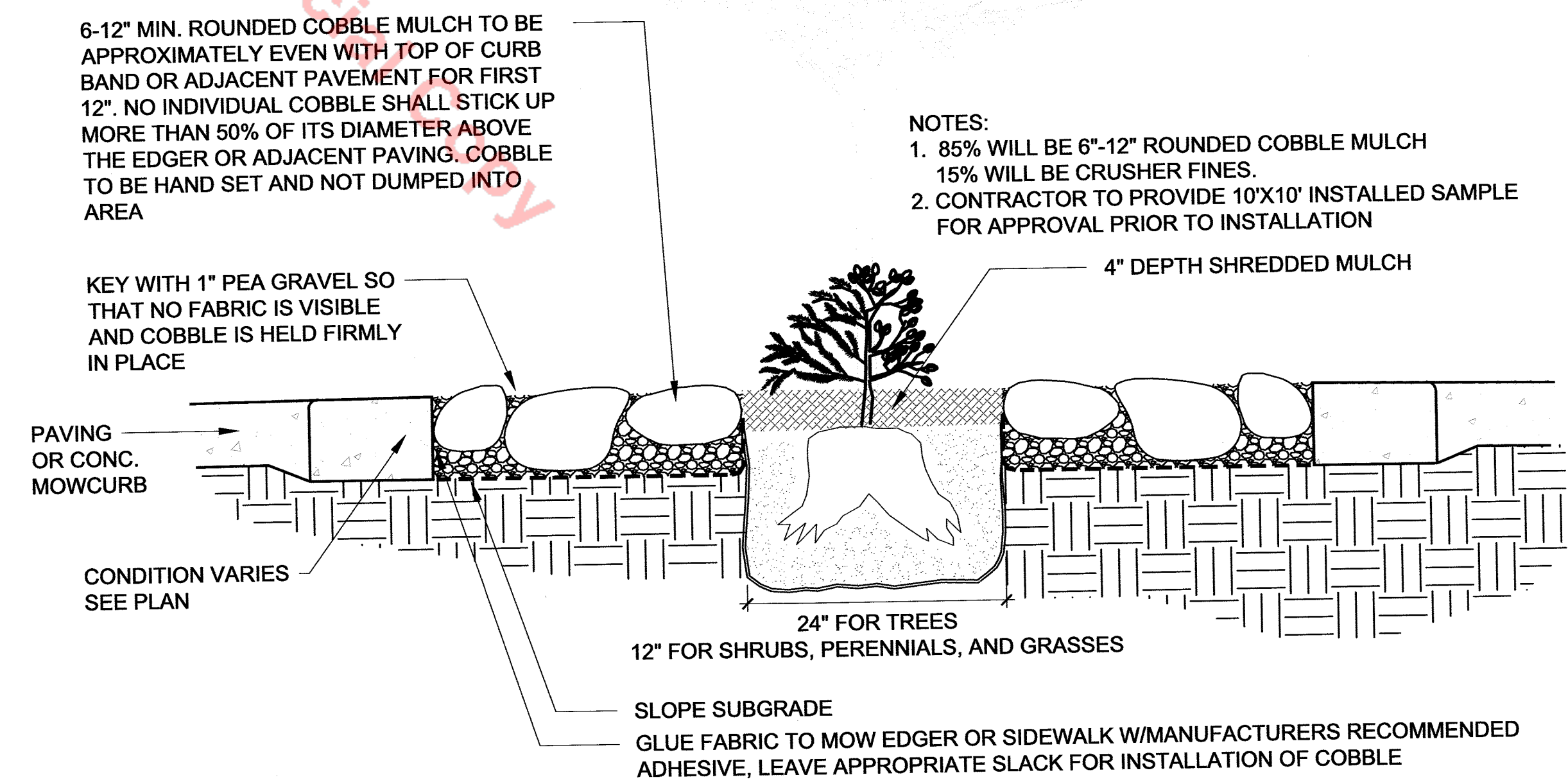
Sheet Revisions	Town of Castle Rock	SHRUB PLANTING	DETAIL PLAN NO.
Comments	100 N. Wilcox St. Castle Rock, CO 80104 Phone: (720) 733-2200 Fax: (720) 733-2217		LS-3
	Development Services	Issued By: Town of Castle Rock, Development Services March 31, 2010	Sheet 1 of 1

**3 CASTLE ROCK - SHRUB / PERENNIAL PLANTING**  
NOT TO SCALE



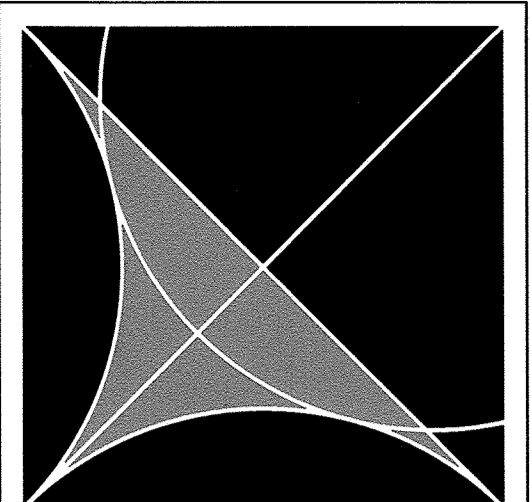
Revisions	Town of Castle Rock	TREE PLANTING	DETAIL PLAN NO.
Comments	100 N. Wilcox St. Castle Rock, CO 80104 Phone: (720) 733-2200 Fax: (720) 733-2217	SLOPES	LS-2
	Development Services	Issued By: Town of Castle Rock, Development Services March 31, 2010	Sheet 2 of 2

**2 CASTLE ROCK - TREE PLANTING ON A SLOPE**  
NOT TO SCALE



**4 PLANTING IN COBBLE MULCH**  
Scale: 1" = 1'-0"

**3 CASTLE ROCK - SHRUB / PERENNIAL PLANTING**  
NOT TO SCALE

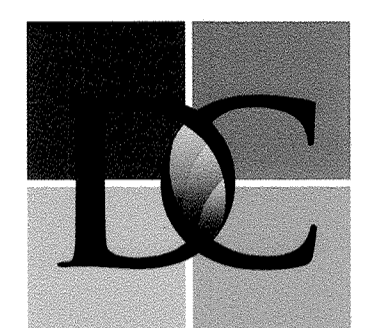


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STATE OF COLORADO  
LICENSED LANDSCAPE ARCHITECT

PROJECT TITLE:

**Douglas County School District RE-1**

**Castle View High School**

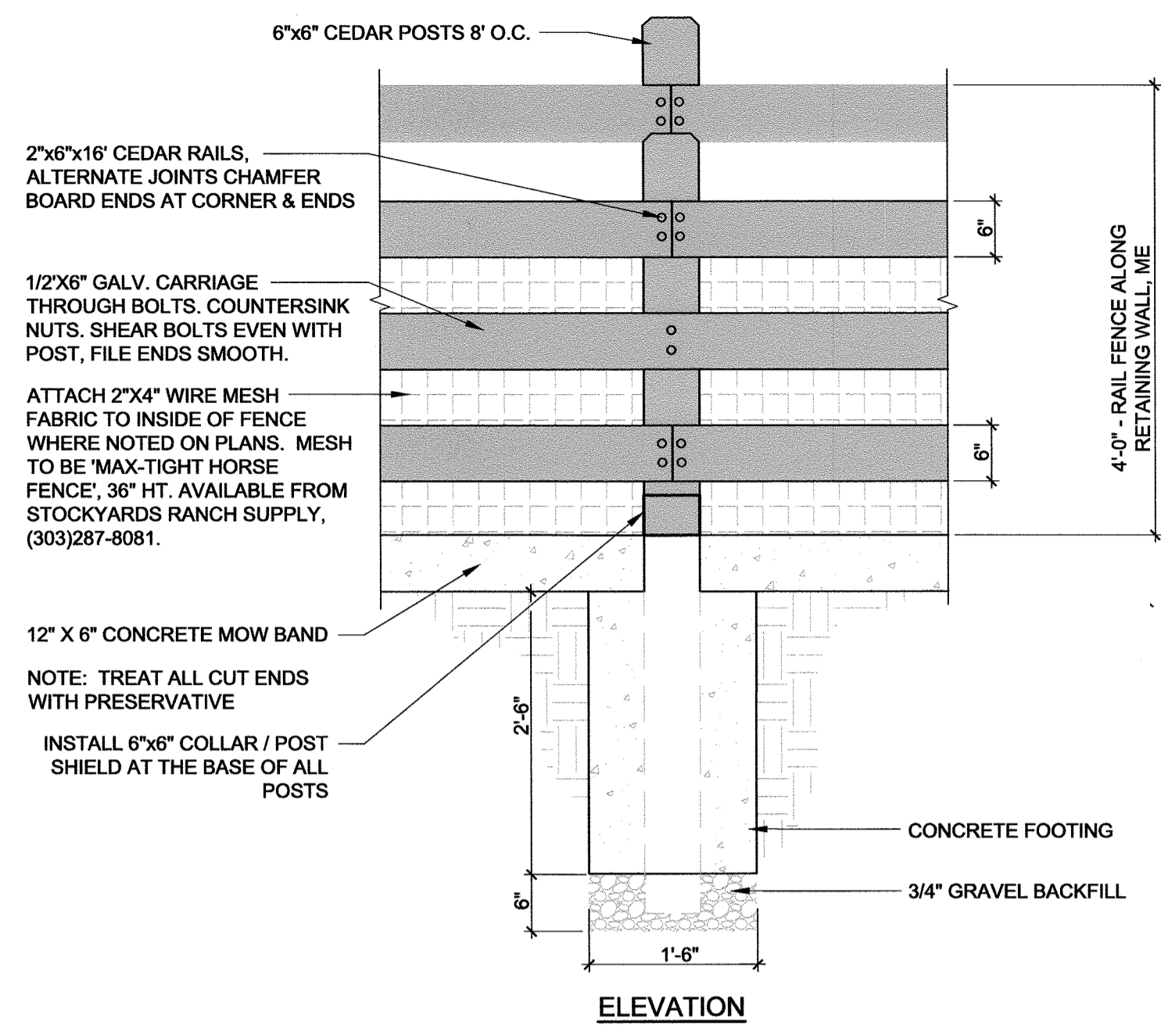
Castle Rock, CO

MARK	DATE	DESCRIPTION
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	02/14/20	SDP Resubmittal
	01/15/20	SDP Resubmittal
	11/08/19	SDP Submittal

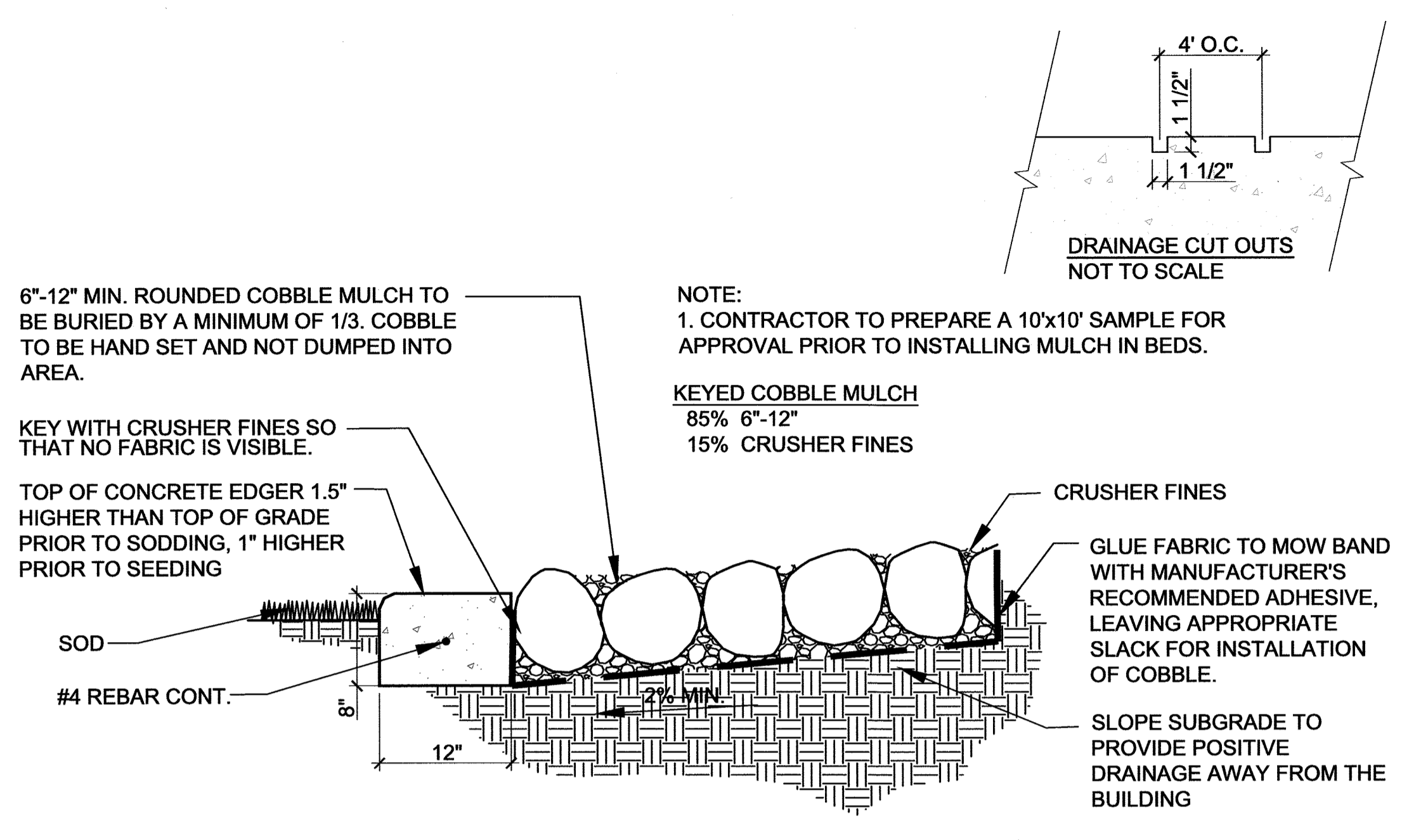
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DRAWN BY: SM  
CHECK BY: CH

SHEET TITLE:  
**SITE DEVELOPMENT PLAN (SDP)**  
DETAILS - 2

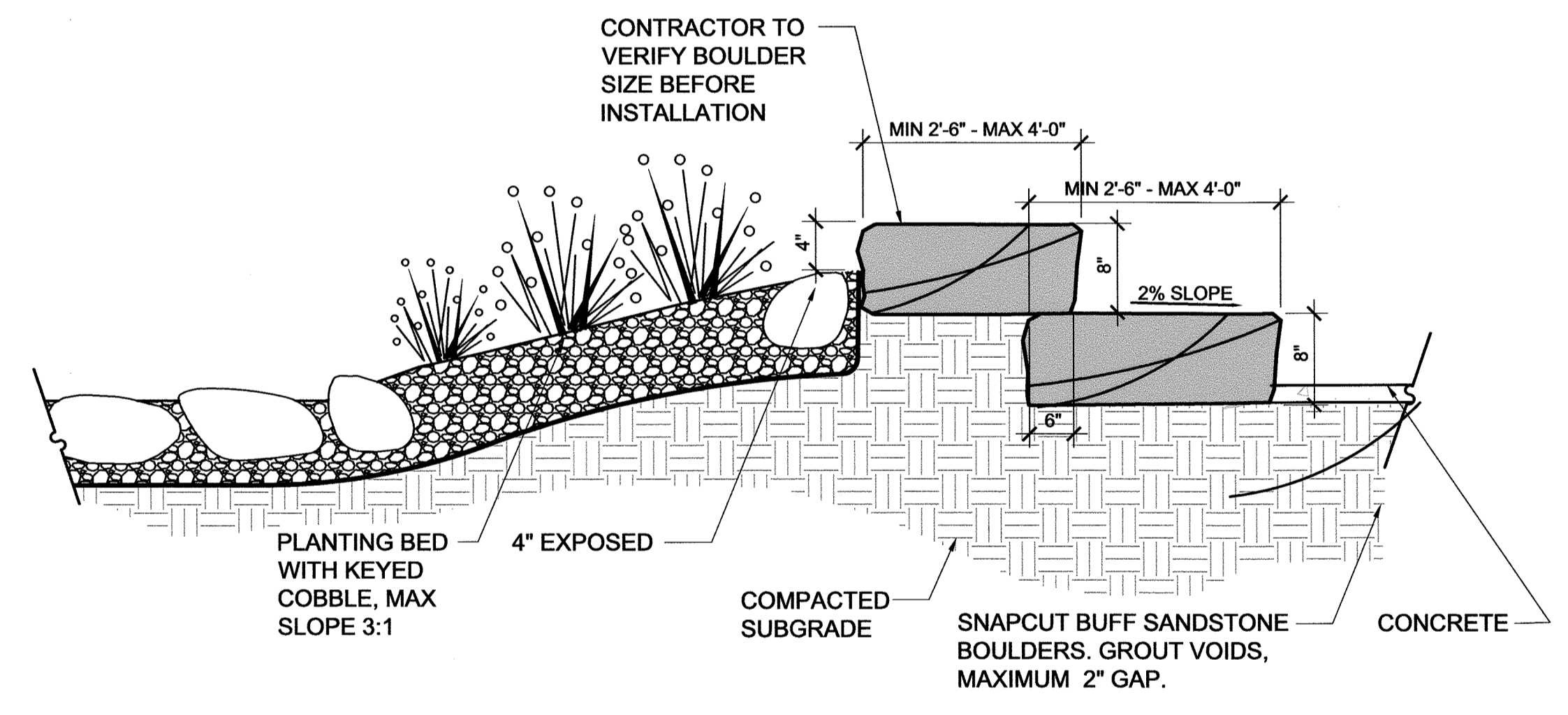
**SD2.5**  
SHEET 12 OF 19  
SDP 19-0042



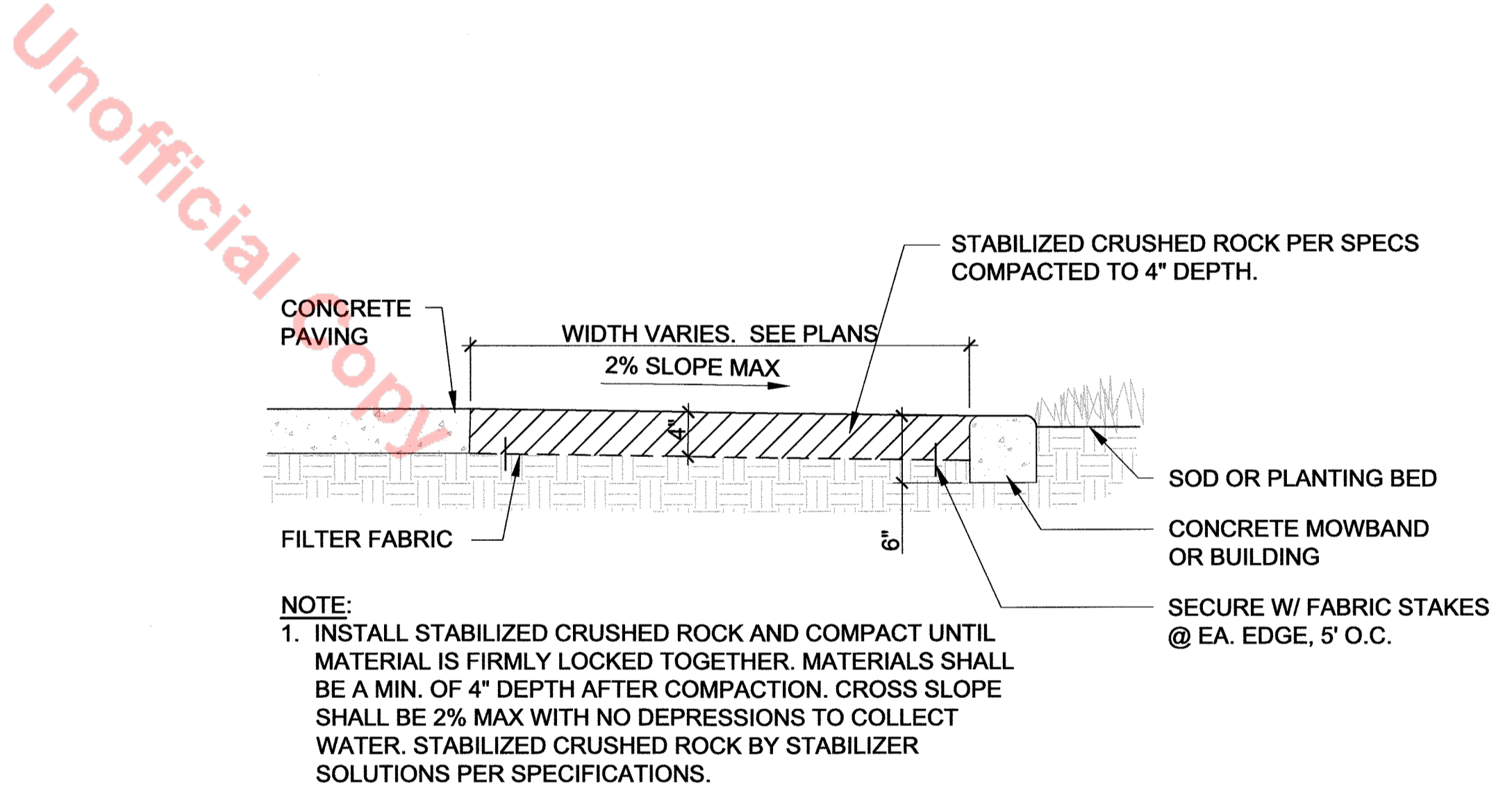
**1 4' CEDAR FENCE AT CMU RETAINING WALLS**  
SCALE: 3/4" = 1'-0"



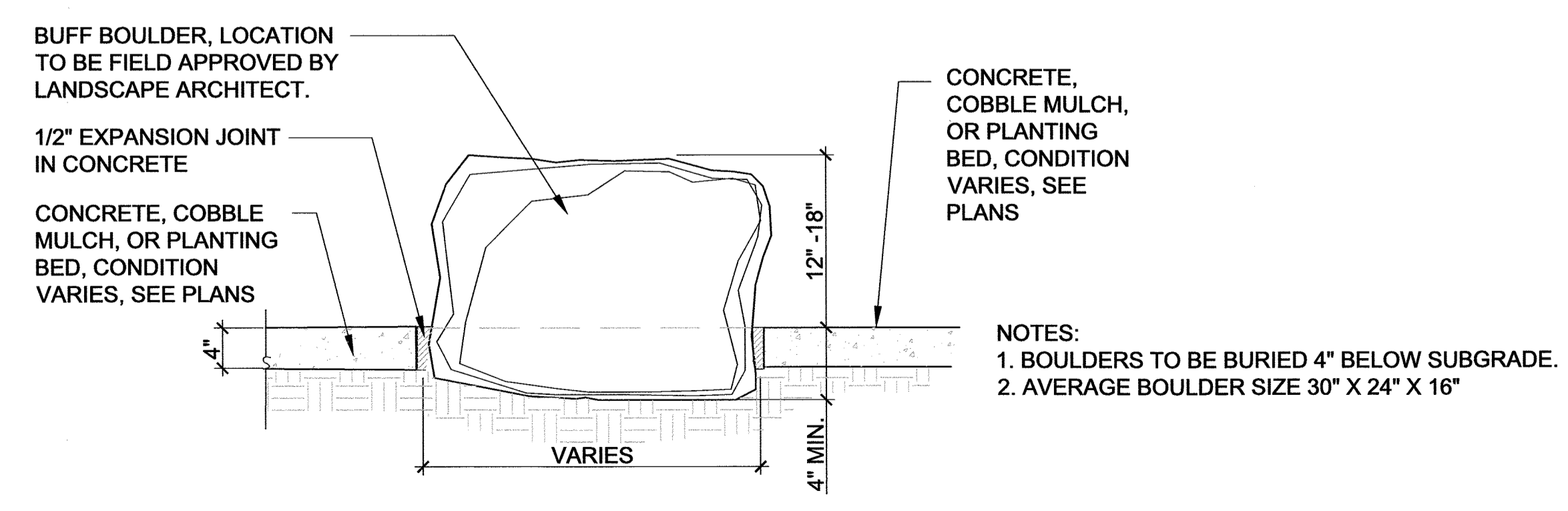
**2 KEYED COBBLE MULCH**  
Scale: NOT TO SCALE



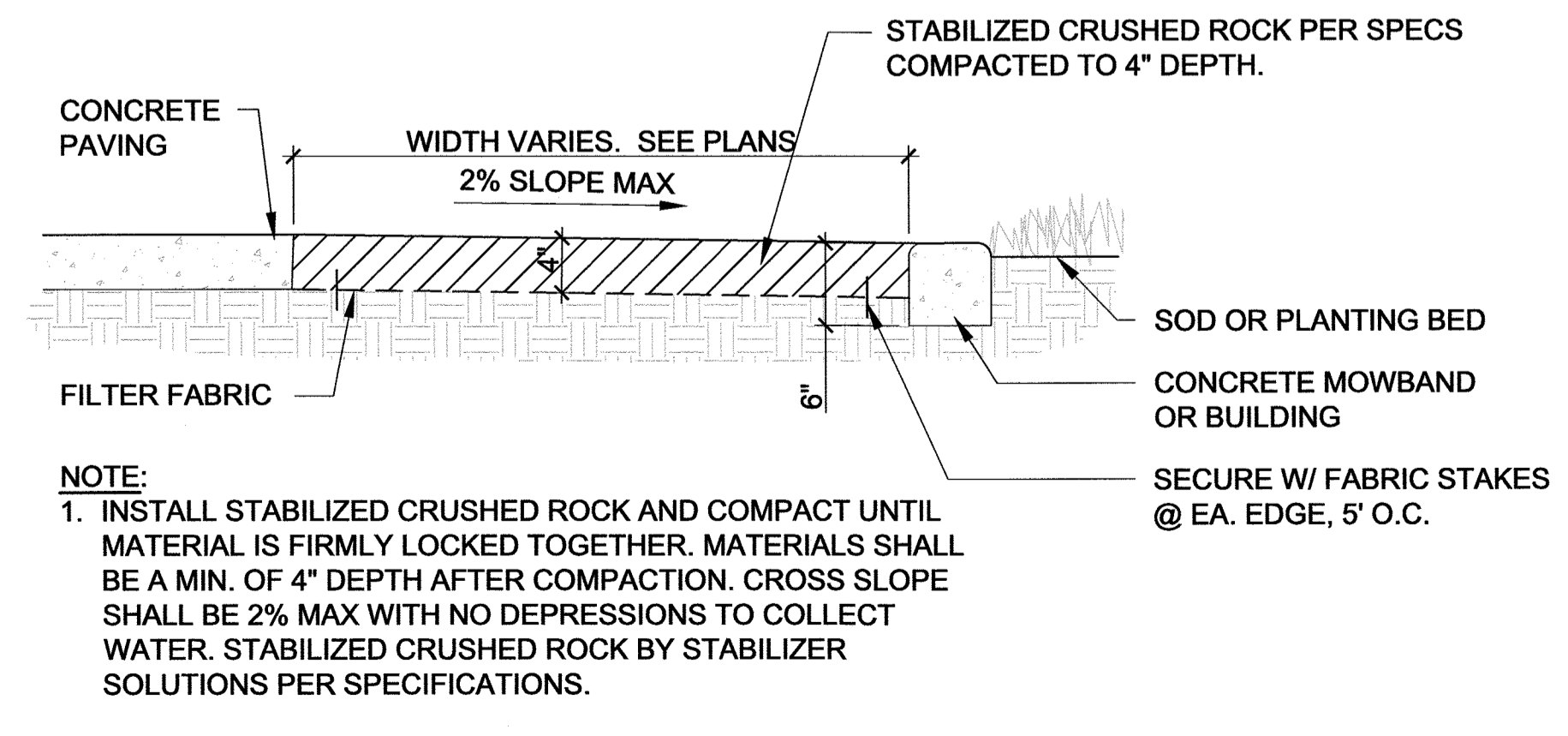
**3 TIERED STONE SEATING**  
SCALE: NTS



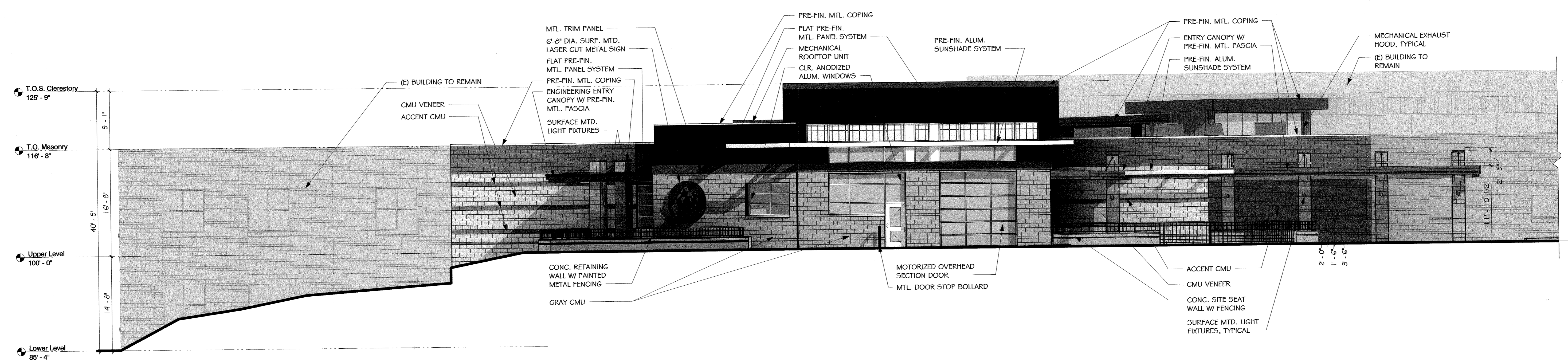
**4 CRUSHER FINES PAVING**  
Scale: 1" = 1'-0"



**5 SEAT BOULDER**  
1"-1'-0"

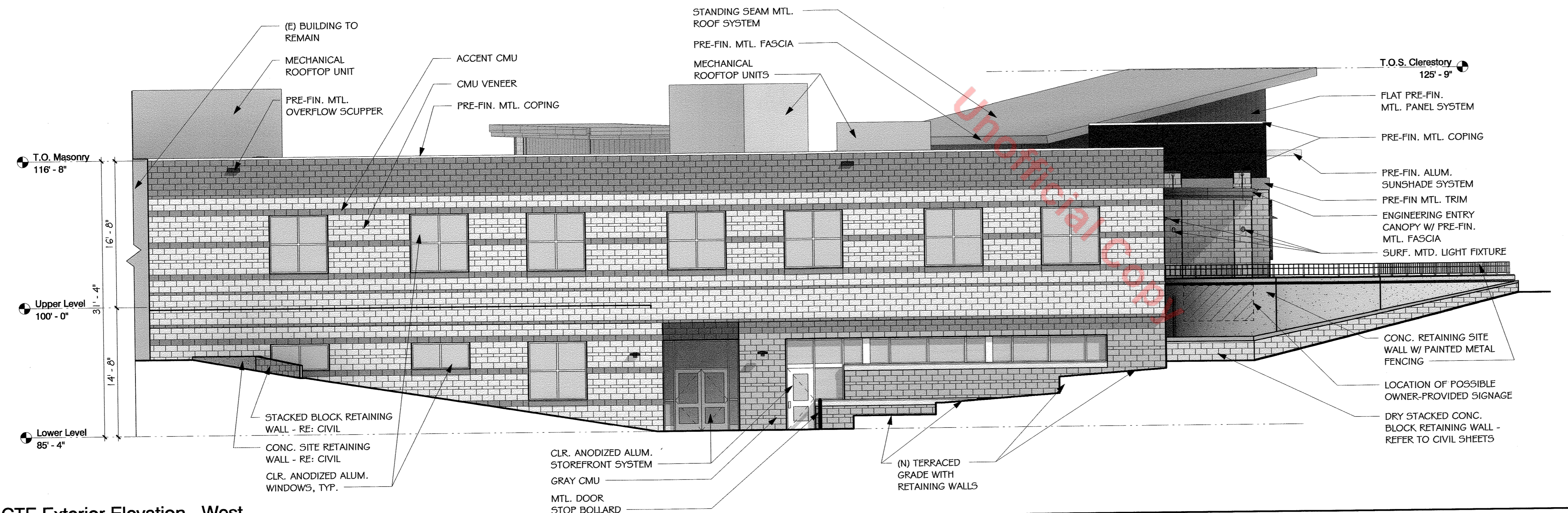


**6 CONCRETE MOWBAND**  
1"-1'-0"



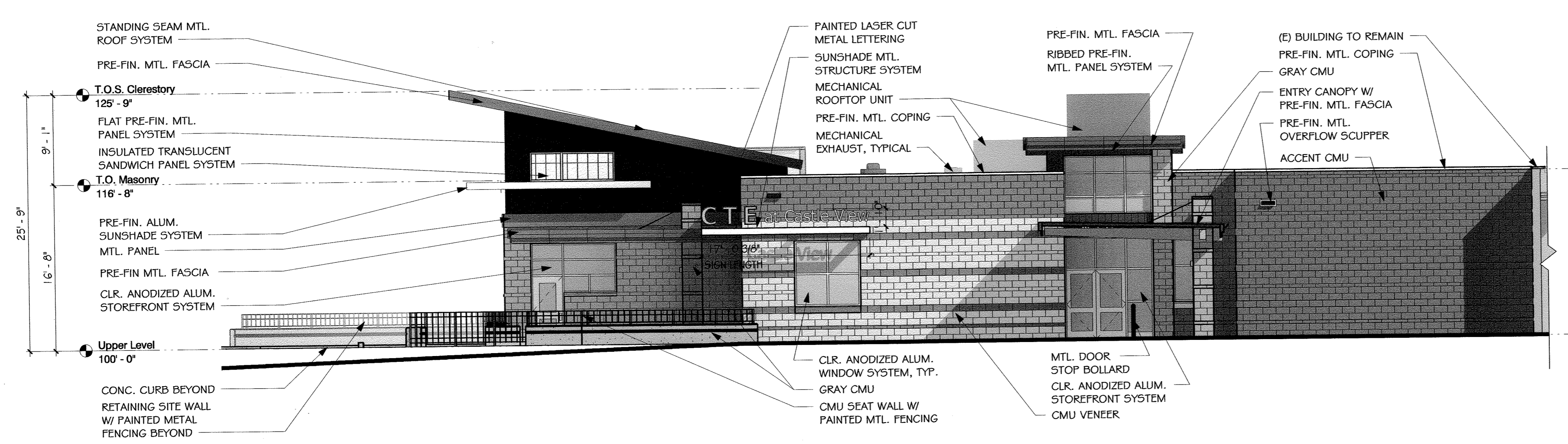
1. CTE Exterior Elevation - South

1/8" = 1'-0"



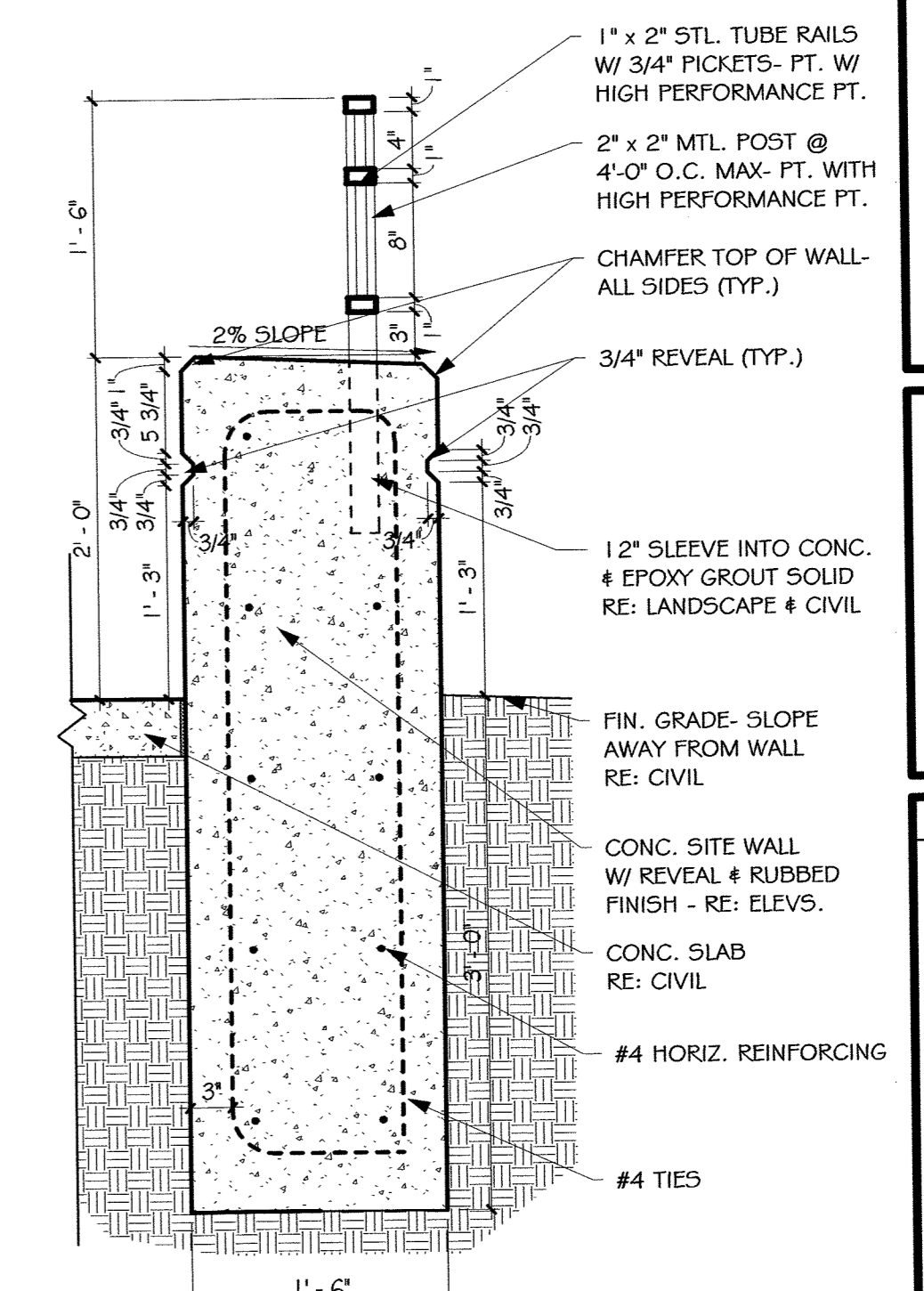
2. CTE Exterior Elevation - West

1/8" = 1'-0"



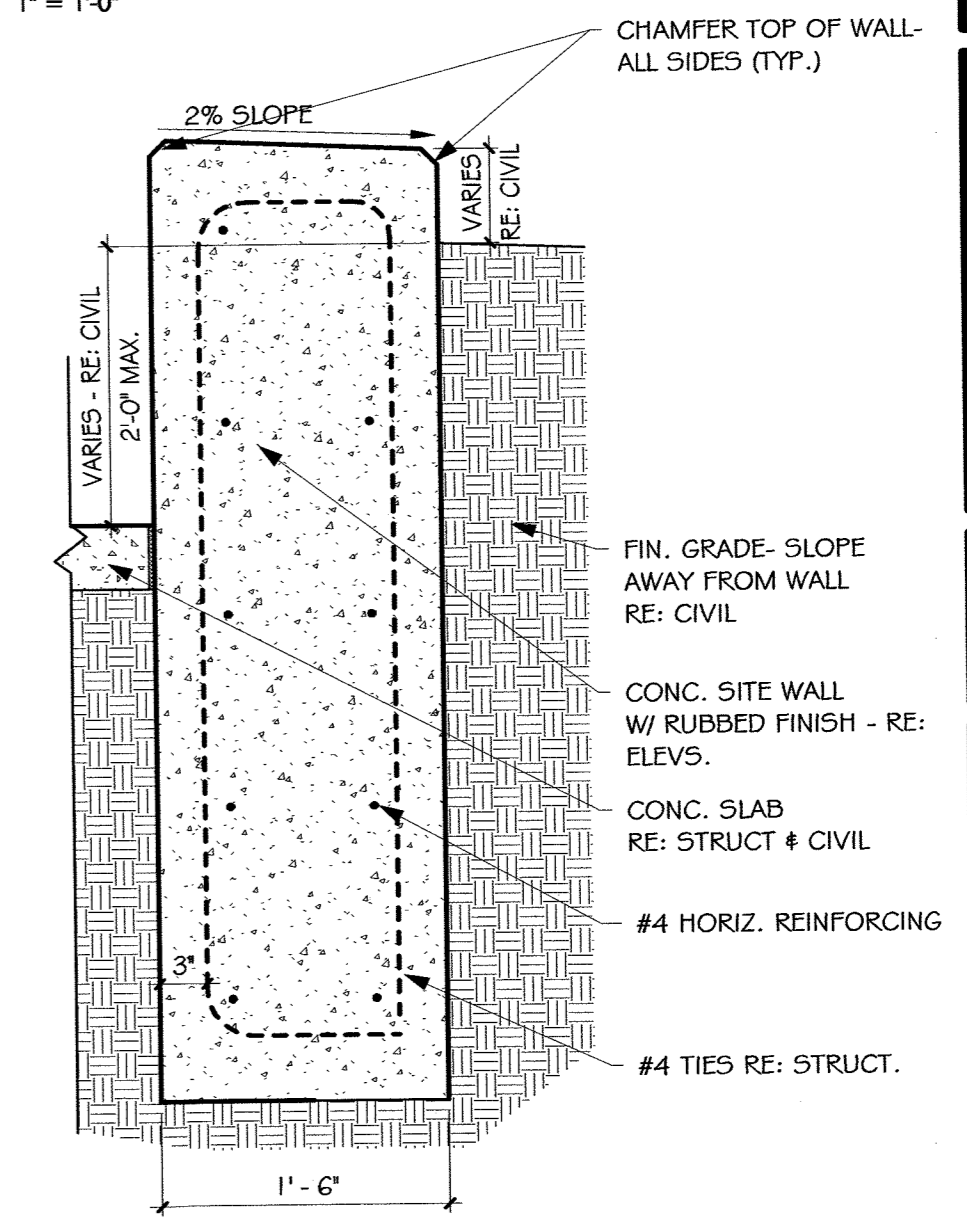
4. CTE Exterior Elevation - East

1/8" = 1'-0"



3. Typ. Wall W/Fence Detl.

1" = 1'-0"



5. Site Wall Detail - SDP

1" = 1'-0"

BUILDING SIGNAGE COMPARISON TABLE		
	REQUIRED	ACTUAL
MAXIMUM SIGN AREA	32 SF	CTE ENTRANCE: 6.5 SF SCHOOL LOGO: 27.3 SF OWNER PROVIDED: 32 SF MAX
MAXIMUM SIGN HEIGHT	8'-0"	CTE ENTRANCE: 11'-0" SCHOOL LOGO: 6'-8" OWNER PROVIDED: >8'-0"
MINIMUM SETBACK FROM PROPERTY LINE	10'-0"	CTE ENTRANCE: 152'-0" SCHOOL LOGO: 68'-9" OWNER PROVIDED: 58'-6"
MINIMUM HORIZONTAL SEPARATION BETWEEN FREESTANDING SIGNS	300'-0"	N/A

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PROJECT TITLE:  
**Douglas County School District  
RE-1  
CVHS F-Pod  
Addition**  
Castle Rock, Colorado

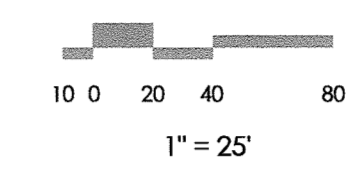
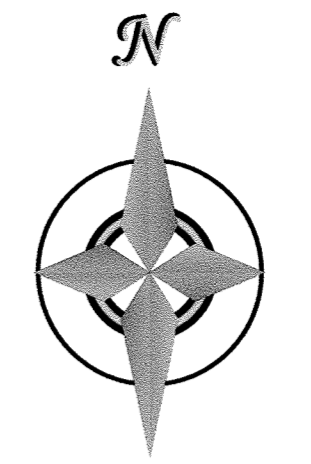
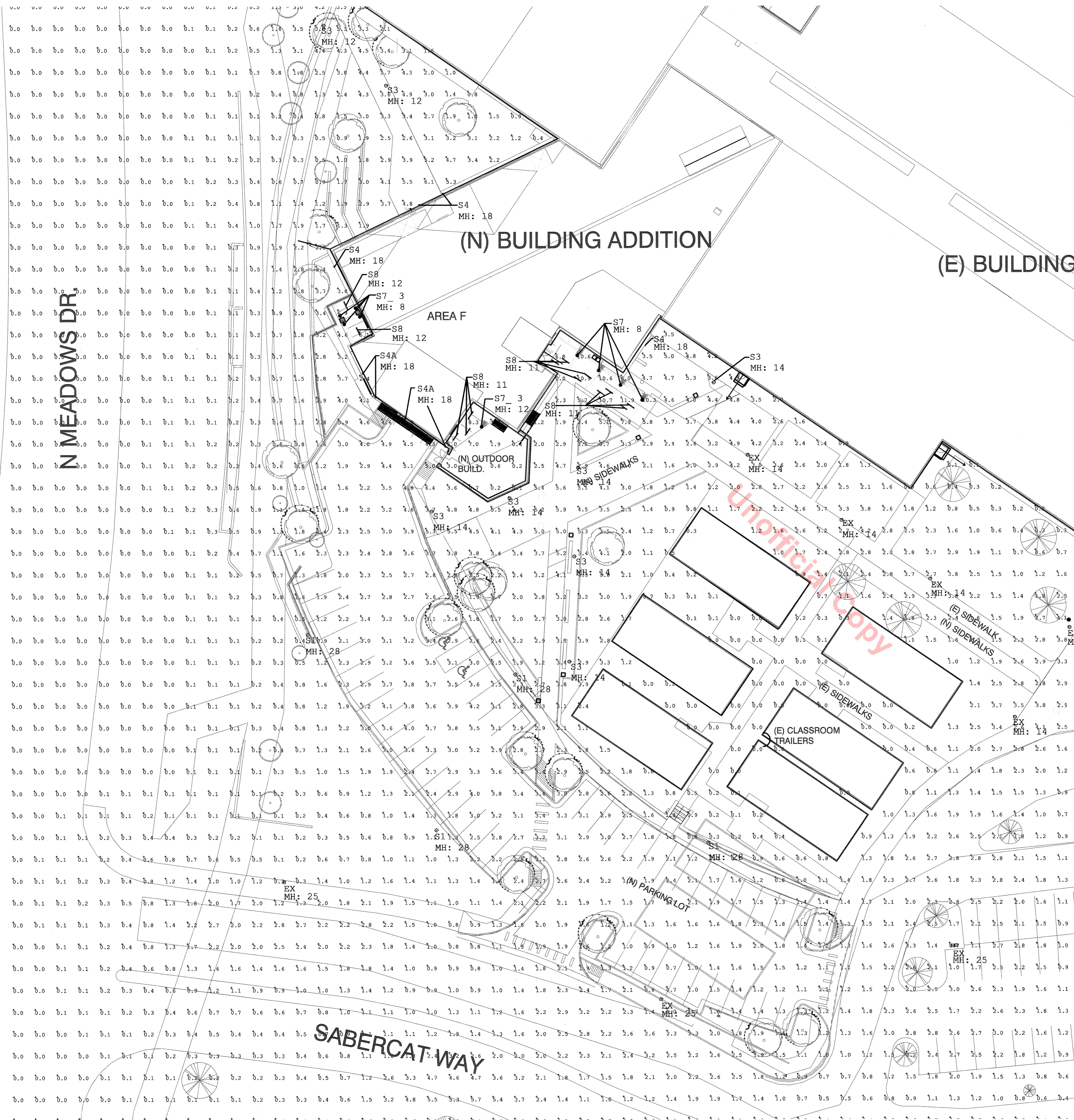
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	06/02/20	SDP Final
	02/14/20	SDP Resubmittal
	01/15/20	SDP Resubmittal
	11/08/19	SDP Submittal

Project Number: 19011  
Drawn By: AC  
Checked By: JG

SHEET TITLE:  
**Building Elevations**

**SD3.0**  
SHEET 13 OF 19  
SDP 19-0042

C:\Users\Achu\Documents\19011 Castle View HS A19 Central\_Achu@eidosarch.com.rvt



**LEGEND**

MH = MOUNTING HEIGHT

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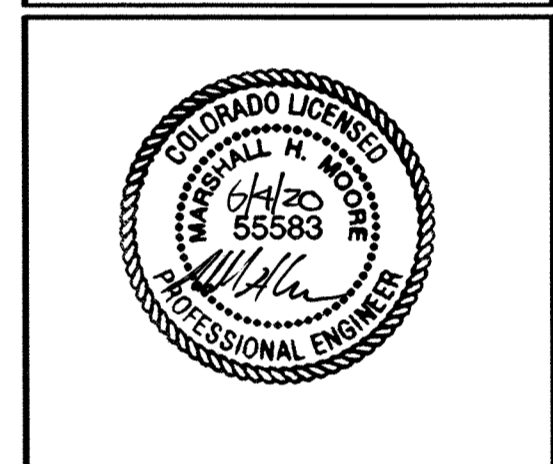
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PROJECT TITLE:

**Douglas County School District RE-1 Castle View High School**

Castle Rock, CO

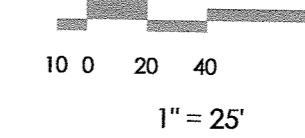
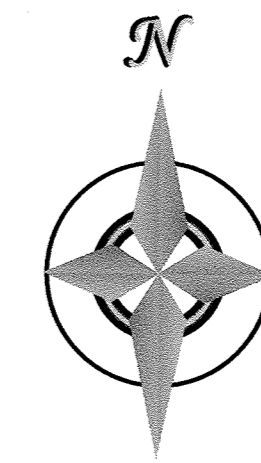
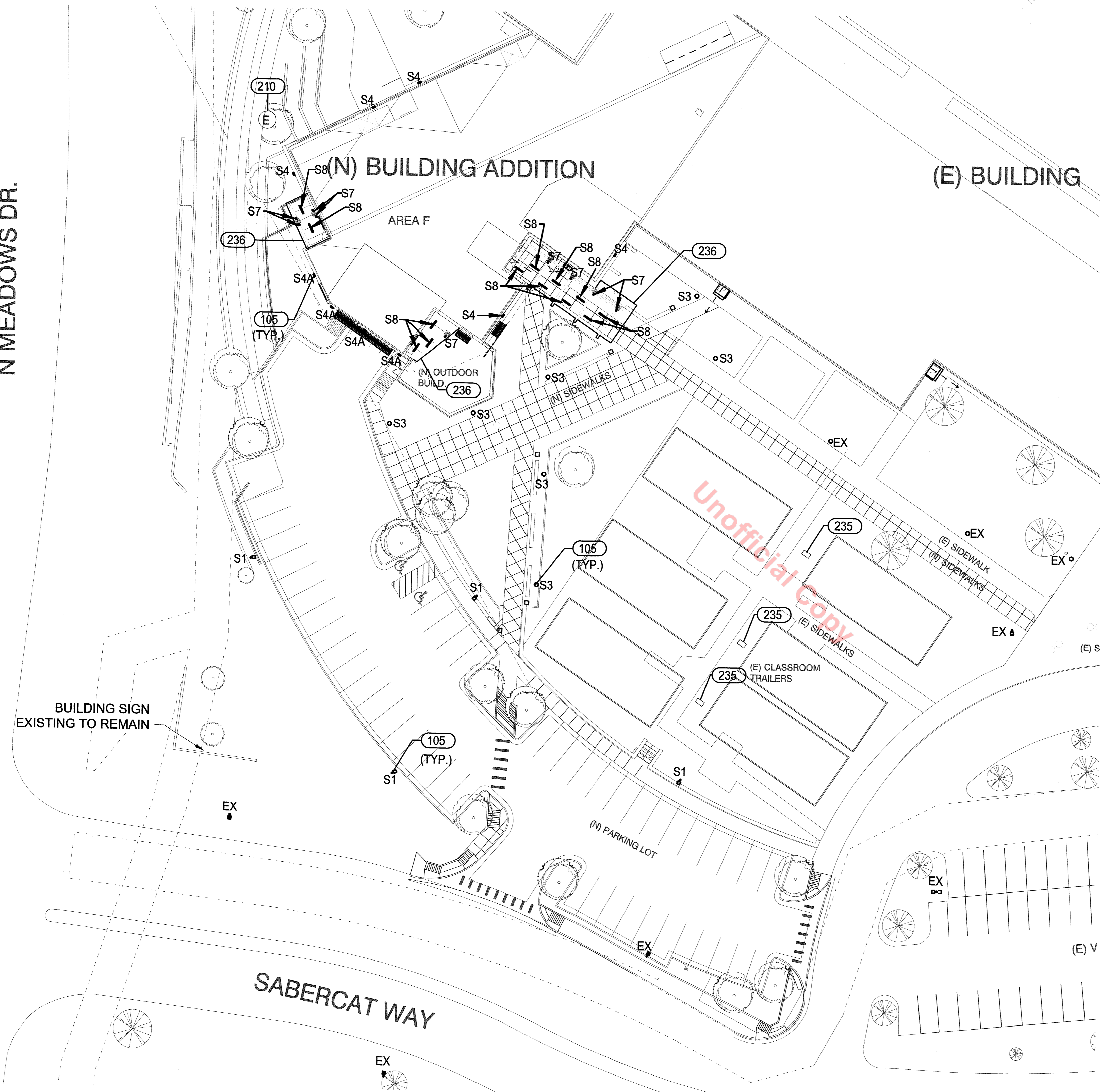
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	01/15/20	SDP RESUBMITTAL
	11/15/19	SDP SUBMITTAL

PROJECT NUMBER: 19011  
 CAD FILE:  
 DRAWN BY: KML  
 CHECK BY: MHM

SHEET TITLE:  
**SITE DEVELOPMENT PLAN (SDP)**  
**DETAILED SITE PLAN**

**SD4.0**  
 SHEET 14 OF 19  
 SDP 19-0042

N MEADOWS DR.



**KEYNOTES**

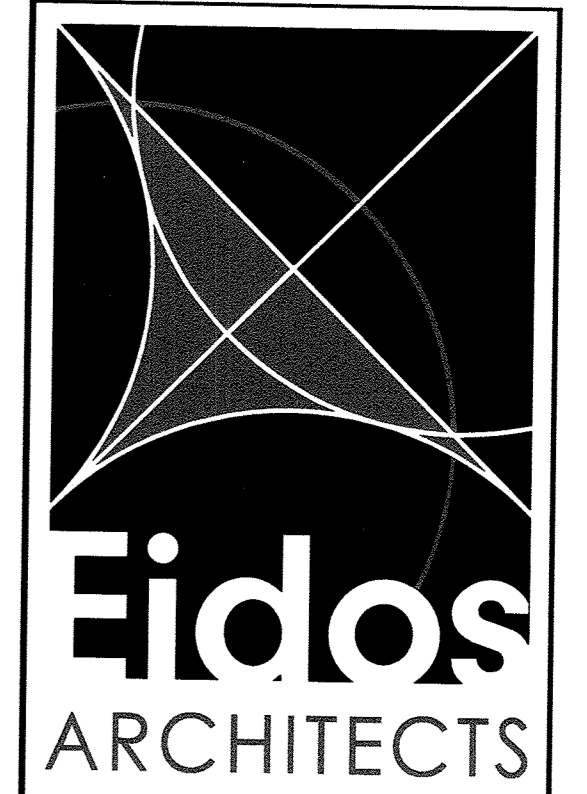
Key Value	Keynote Text
105	NEW WALL MOUNTED EXTERIOR FIXTURE(S) WILL BE CONNECTED ON TO EXISTING SITE LIGHTING CIRCUIT(S).
106	NEW POLE LIGHTING WILL BE CONNECTED ON TO EXISTING SITE LIGHTING CIRCUIT(S).
210	IRRIGATION CONTROLS, DEDICATED 20A 120V. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
235	EXISTING MODULAR LOW VOLTAGE PANEL TO REMAIN.
236	LOCATION OF CANOPY AT SECURED ENTRY

**GENERAL NOTES**

- LIGHT FIXTURES LABELED "EX" ARE EXISTING TO REMAIN. SHOWN FOR REFERENCE ONLY. NO WORK REQUIRED.
- NEW SITE LIGHTING WILL BE TIED INTO EXISTING LIGHTING CONTROL PANEL. EXISTING CONTROLS ARE:  
ON: THE LIGHTS WILL AUTOMATICALLY TURN ON 15 MINUTES BEFORE SUNSET.  
OFF: THE LIGHTS WILL AUTOMATICALLY TURN OFF AT 7:00AM.
- THERE ARE NO FIXTURES WITH TYPE IV DISTRIBUTION, NO POLE MOUNTED LIGHTS AIMED AT THE BUILDING FACADE, OR NO UNSHIELDED WALL PACKS.
- ALL BUILDING HOSTED AND POLE HOSTED FIXTURE MOUNTING HEIGHTS SHALL BE MINIMIZED AND CONTROLLED LIGHT DISTRIBUTIONS UTILIZED SUCH THAT UNWANTED LIGHT TRESPASS TO ADJACENT PROPERTIES IS MITIGATED.
- LIGHTING CALCULATIONS WERE PERFORMED ACCORDING TO TECHNICAL CRITERIA VARIANCE, 17-58-080. TO INCREASE MAXIMUM ILLUMINATION LEVELS TO AN ADDITIONAL 20% OF THE LEVELS CURRENTLY PERMITTED.

**LIGHTING AREA OBJECTIVE**

AREA	Keynote Text
CANOPY	ILLUMINATE ENTRY WAY & PATH OF EGRESS.
SIDEWALKS	ILLUMINATE PATH TO PARKING LOT & FOR SAFETY.
PARKING LOT	ILLUMINATE PARKING AREA FOR SAFETY.



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GREENWOOD VILLAGE, CO 80111



PROJECT TITLE:

**Douglas County  
School District  
RE-1**

**Castle View  
High School**

Castle Rock, CO

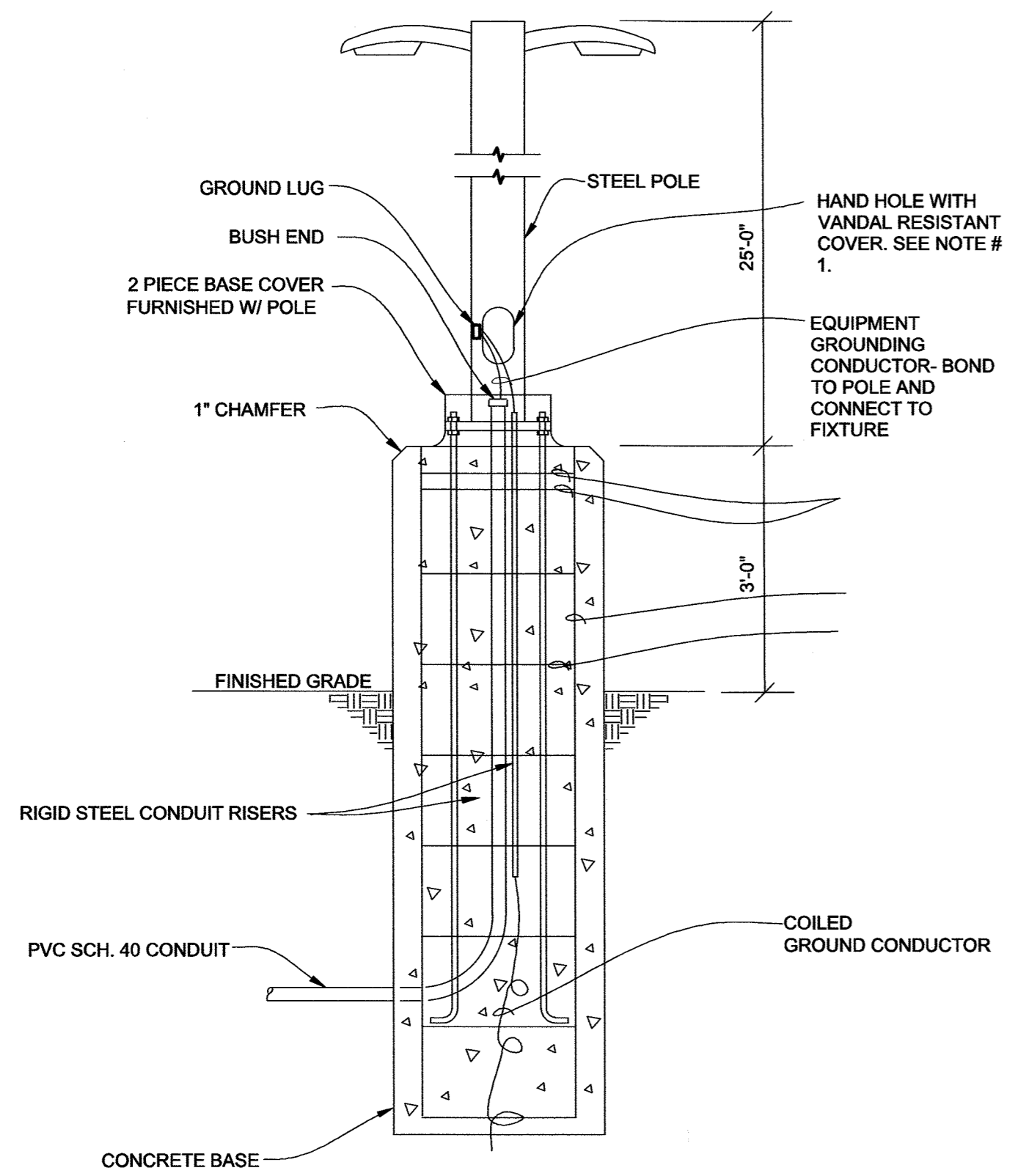
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PROJECT NUMBER:	19011
CAD FILE:	
DRAWN BY:	KML
CHECK BY:	MHM

SHEET TITLE:  
**SITE DEVELOPMENT  
PLAN (SDP)**

**SITE LIGHTING PLAN**

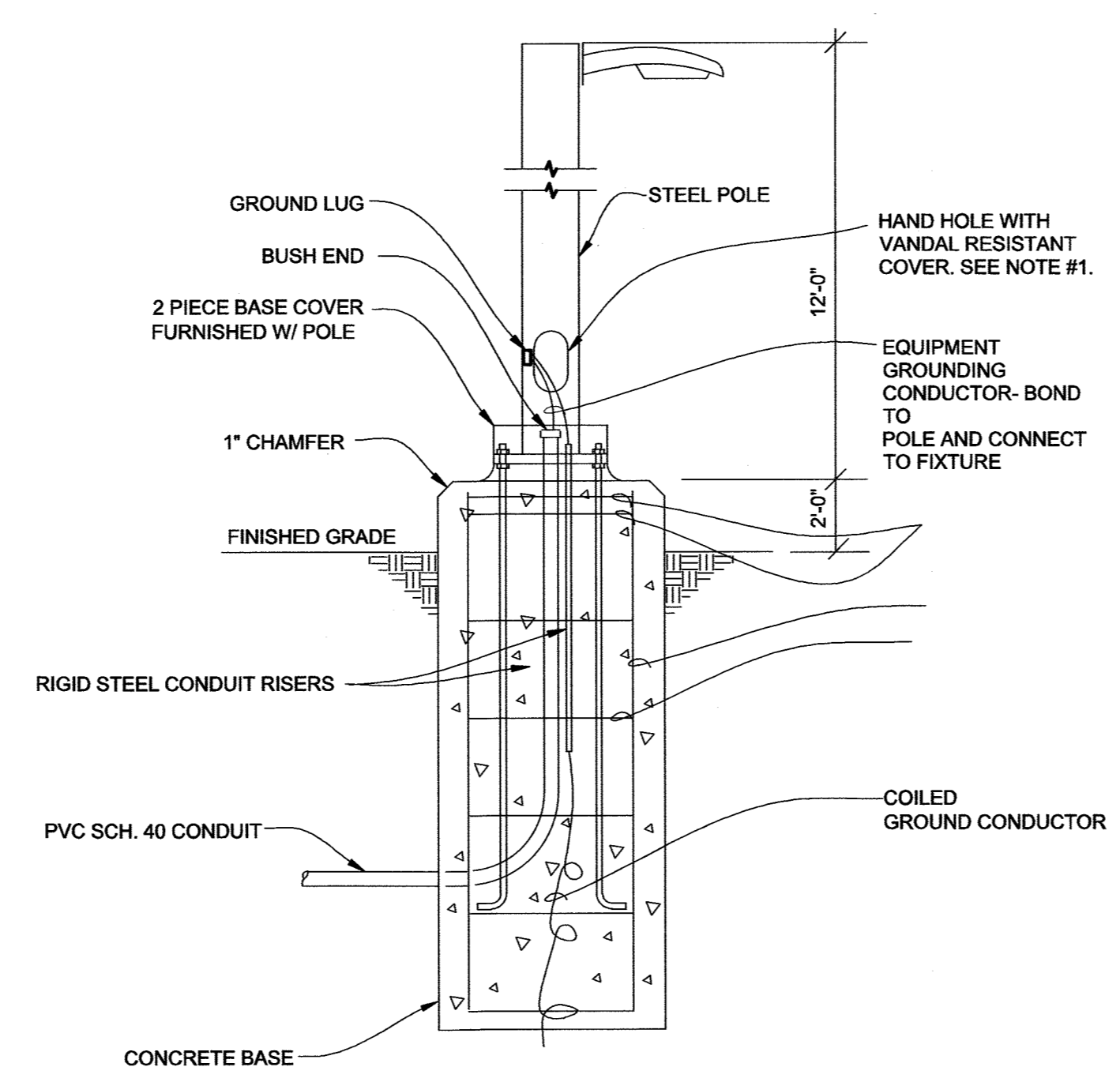
**SD4.1**  
SHEET 15 OF 19  
SDP 19-0042



- NOTES:**
1. PROVIDE A VANDAL RESISTANT COVER WITH STAINLESS STEEL TAMPER PROOF TORX HEAD CENTER PIN REJECT BOLTS BY 'HHG' HAND HOLD GUARDIAN .
  2. EACH POLE BE SHALL BE PERMANENTLY LABELED WITH A UNIQUE IDENTIFYING NUMBER ENGRAVED ON THE HAND HOLE COVER PLATE. COORDINATE NUMBER IN G WITH APS PRIOR TO ORDERING CUSTOM PLATE.
  3. SEE STRUCTURAL DRAWINGS FOR ALL LIGHT POLE BASE INFORMATION NOT INCLUDED.

**PARKING LOT FIXTURES POLE MOUNTING  
DETAIL**

NO SCALE



- NOTES:**
1. PROVIDE A VANDAL RESISTANT COVER WITH STAINLESS STEEL TAMPER PROOF TORX HEAD CENTER PIN REJECT BOLTS BY 'HHG' HAND HOLD GUARDIAN .
  2. EACH POLE BE SHALL BE PERMANENTLY LABELED WITH A UNIQUE IDENTIFYING NUMBER ENGRAVED ON THE HAND HOLE COVER PLATE. COORDINATE NUMBER IN G WITH APS PRIOR TO ORDERING CUSTOM PLATE.
  3. SEE STRUCTURAL DRAWINGS FOR ALL LIGHT POLE BASE INFORMATION NOT INCLUDED.

**PEDESTRIAN POLE MOUNTING DETAIL**

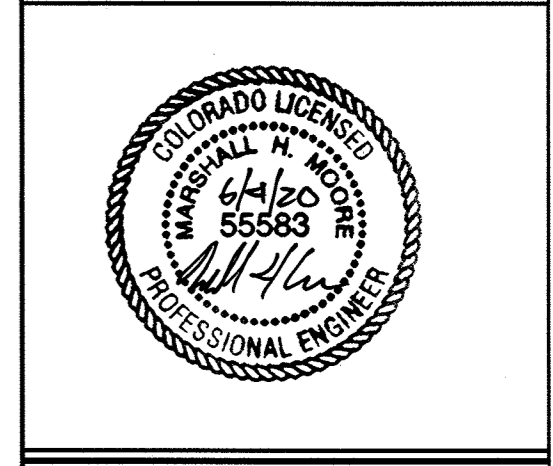
NO SCALE

LUMINAIRE SCHEDULE														
(DESC) DOOR:	DISTRIBUTION:					(L/L) LENS/OULOVER:	K19 - KSH19 .156\"							
FA - FLAT ALUMINUM	II - ANSIES TYPE 2 DISTRIBUTION					A - .125\"	M - MATTE DIFFUSE CLEAR							
FS - FLAT STEEL	III - ANSIES TYPE 3 DISTRIBUTION					B - BAFFLE/OULOVER	N - NONE							
RA - REGRESSED ALUMINUM	IV - ANSIES TYPE 4 DISTRIBUTION					C - CLEAR ALZAK	P - POLYCARBONATE							
RS - REGRESSED STEEL	V - ANSIES TYPE 5 DISTRIBUTION					F - FROSTED ACRYLIC	R - HIGH IMPACT DR ACRYLIC							
<b>FINISH:</b>						G - TEMPERED GLASS	SS - SEMI-SPECULAR CLEAR							
PAF - PAINT AFTER FABRICATION						K - KSH12 .125\"	O - OTHER (SEE DESCRIPTION)							
CPSA - COLOR FINISH SELECTION BY ARCHITECT						[DESIGN SPECIFIC BLANKS]								
(TYPE) LIGHT SOURCE TECHNOLOGY:						(MTG) MOUNTING:	PL - POLE							
DLED - DYNAMIC TUNABLE LED	FL - FLUORESCENT					CL - CEILING SURFACE	RE - RECESSED							
LED - LIGHT EMITTING DIODE	CF - COMPACT FLUORESCENT					CV - COVE	SP - SUSPENDED							
OLED - ORGANIC LED	HL - HALOGEN					FR - FLANGED RECESSED	SU - SURFACE							
RGB - COLOR CHANGING LED	HIR - HALOGEN INFRARED					O - OTHER (SEE DESCRIPTION)	UC - UNDER CABINET							
RGBA - COLOR CHANGING + AMBER LED	IN - INCANDESCENT					P - PERIMETER	WL - WALL							
RGBW - COLOR CHANGING + WHITE LED	HS - HIGH PRESSURE SODIUM					(WATT) PER: FIX - FIXTURE, FT - FOOT, LAMP								
RLED - RETROFIT LED	MH - METAL HALIDE					(TYPE) BALLAST/DRIVER:	HL - HIGH/LOW (100%/50%) STEP DIM							
TLED - TUBULAR LED LAMP	SMH - SUPER METAL HALIDE					#BF - BALLAST FACTOR	HP - HIGH PERFORMANCE / LBF							
WLED - WARM DIM LED	PSMH - PULSE START METAL HALIDE					0-10V - 0-10V DIMMING	LINE - LINE VOLTAGE DIMMING							
O - OTHER (SEE DESCRIPTION)	CMH - CERAMIC METAL HALIDE					DALI - DIGITAL ADDRESSABLE	ML - MULTI-LEVEL SWITCHING							
	XL - EXTENDED LIFE FLUORESCENT					DMX - DIGITAL MULTIPLEX	MV - MULTI-VOLTAGE ELECTRONIC							
						EB - ELECTRONIC	REM - REMOTE							
						ELV - ELECT. LOW VOLTAGE	O - OTHER (SEE DESCRIPTION)							
						EM - EMERGENCY BATTERY								
CATALOG NUMBER SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. THE COMPLETE DESCRIPTION AND THE SPECIFICATION SHALL BE COORDINATED WITH THE CATALOG NUMBER TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN.														
VERIFY AND COORDINATE ALL CEILING TYPES WITH LUMINAIRE MOUNTING AND TRIM REQUIREMENTS PRIOR TO THE RELEASE OF THE LUMINAIRE ORDER. CONFIRM ALL COLORS AND FINISHES OF ALL LUMINAIRE COMPONENTS WITH ARCHITECT AND INTERIOR DESIGNER PRIOR TO THE RELEASE OF THE LUMINAIRE ORDER. UNLESS INDICATED ON LIGHTING PLANS OR BELOW, REFER TO ARCHITECTURAL AND INTERIOR DESIGN ELEVATIONS, SECTIONS AND DETAILS FOR ALL SUSPENDED AND WALL MOUNTED LUMINAIRE MOUNTING HEIGHTS.														
EXTERIOR CORRELATED COLOR TEMPERATURE 3000K, COLOR RENDERING INDEX (CRI) AT OR ABOVE 80, UNLESS NOTED OTHERWISE.														
ITEM	DESCRIPTION	L/L	IESNA CUTOFF	HEIGHT ABOVE GRADE	LIGHT LOSS FACTOR	MTG	WATT		LIGHT SOURCE TECHNOLOGY		BALLAST/DRIVER		APPROVED MANUFACTURER / SERIES	
							MAX ANSI	PER	TYPE	QTY	MODEL / ABSOLUTE LUMENS (LM)	VOLTS	TYPE	
EXTERIOR LUMINAIRE SCHEDULE														
S1	28' POLE SINGLE HEAD FIXTURE, ONE HEAD, 3000K, TYPE 3 DISTRIBUTION, NFO OPTION, B3-U0-G3	O	FULL CUTOFF	28'	1	PL	94	FIX	LED	N/A	8,772 LM	277V	LED	KIM LIGHTING, 1SA-ET-3-P35-80L-3K-277-SF-LS-NFO
S3	12' PED POLE SINGLE HEAD FIXTURE, ONE HEAD, 3000K, TYPE 5 DISTRIBUTION, B2-U0-G2	O	FULL CUTOFF	14'	1	PL	84	FIX	LED	N/A	8,365 LM	277V	LED	ARCHITECTURAL AREA LIGHTING, FH-T5-S8LED-3K-450
S4	WALL PACK MOUNTED DOWN, 3000K, 70 CRI, TYPE 3 DISTRIBUTION, FULL CUT OFF OPTICAL PERFORMANCE IN DOWN POSITION, B1-U0-G2	O	FULL CUTOFF	18'	1	WL	60	FIX	LED	N/A	6,161 LM	277V	LED	KIM LIGHTING, WDS-D-24L-60-3K7-3-UNV
S4A	WALL PACK MOUNTED DOWN, 3000K, 70 CRI, TYPE 3 DISTRIBUTION, FULL CUT OFF OPTICAL PERFORMANCE IN DOWN POSITION, B1-U0-G2	O	FULL CUTOFF	18'	1	WL	30	FIX	LED	N/A	3,340 LM	277V	LED	KIM LIGHTING, WDS-D-24L-30-3K7-3-UNV
S7	WALL SCONCE UNDER CANOPY: 50% UP/50% WET LOCATION RATED, 4000K.	O	NON CUTOFF	8'	1	WL	3.8	FIX	LED	N/A	300 LM	277V	LED	BEGA, #33590
S8	SURFACE MOUNTED 4' LINEAR, 3000K, 80CRI, SYMMETRICAL DISTRIBUTION	O	FULL CUTOFF	11'	1	SU	14.4	FIX	LED	N/A	1,415 LM	277V	LED	FINELITE, HP-4 WL S.4-S-830-F-277-SC-C4

5400 Greenwood Plaza Blvd.  
Greenwood Village, CO 80111  
Phone: 720-200-0630  
Fax: 720-200-0631

CONSULTANTS:

7600 E ORCHARD ROAD, SUITE 250-S GREENWOOD VILLAGE, CO 80111  
PH: 303.796.6000  
www.imegcorp.com



PROJECT TITLE:  
**Douglas County School District RE-1**  
**Castle View High School**  
Castle Rock, CO

MARK	DATE	DESCRIPTION
	06/02/20	FINAL SDP
	02/14/20	SDP RESUBMITTAL
	01/15/20	SDP RESUBMITTAL
	11/15/19	SDP SUBMITTAL

PROJECT NUMBER: 19011  
CAD FILE:  
DRAWN BY: KML  
CHECK BY: MHM

SHEET TITLE:  
**SITE DEVELOPMENT PLAN (SDP)**  
**ELECTRICAL DETAILS**

### KIM LIGHTING

## S1 Entablature® Large PicoPrism® LED

ET LED  
kl\_etlped\_spec.pdf

**NOTES**

**APPROVALS**

**FEATURES**

- Full Cut-off PicoPrism technology
- Patented low profile luminaire
- Available in 3000K, 3000K, 4000K and 5000K standard CCT
- Type 1, 2, 3, 4, 5, R, L distributions
- 0-10V dimming drivers standard
- Sealed optical chamber, IP66 certified standard CCT

**Certifications**

UL LISTED, ETL, DLC

**SPECIFICATIONS**

Max. Weight = 43 lbs. EPA 1.8 for AA, 2.04 for Configuration for Addressable LED.

**ORDERING CODE**

Configuration	Finish	Mount	Optical Module	Feature Pack	Photocell Option
1 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
2 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
3 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
4 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
5 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
6 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
7 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
8 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
9 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
10 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
11 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
12 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
13 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
14 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
15 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
16 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
17 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
18 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
19 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
20 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
21 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
22 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
23 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
24 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
25 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
26 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
27 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
28 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
29 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
30 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
31 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
32 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
33 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
34 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
35 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
36 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
37 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
38 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
39 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
40 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
41 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
42 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
43 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
44 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
45 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
46 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
47 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
48 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
49 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
50 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
51 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
52 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
53 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
54 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
55 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
56 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
57 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
58 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
59 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
60 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
61 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
62 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
63 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
64 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
65 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
66 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
67 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
68 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
69 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
70 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
71 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
72 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
73 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
74 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
75 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
76 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
77 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
78 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
79 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
80 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
81 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
82 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
83 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
84 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
85 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
86 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
87 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
88 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
89 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
90 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
91 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
92 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
93 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
94 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
95 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
96 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
97 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None
98 12" x 12" x 12" (1.8)	Black	Surface	4000K	None	None
99 12" x 12" x 12" (1.8)	Black	Surface	5000K	None	None
100 12" x 12" x 12" (1.8)	Black	Surface	3000K	None	None

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**15 Patent No. 0568,521 S. Other patents pending.**

**16 Patented low profile luminaire.**

**17 Available in 3000K, 3000K, 4000K and 5000K standard CCT.**

**18 Type 1, 2, 3, 4, 5, R, L distributions.**

**19 0-10V dimming drivers standard.**

**20 Sealed optical chamber, IP66 certified standard CCT.**

**21 Max. Weight = 43 lbs. EPA 1.8 for AA, 2.04 for Configuration for Addressable LED.**

**22 Kim Lighting reserves the right to change specifications without notice.**

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### KIM LIGHTING

## Entablature® Large PicoPrism® LED

ET LED  
kl\_etlped\_spec.pdf

**SPECIFICATIONS**

**Color Rendering Index (CRI)**

3000K Average	4000K Average	5000K Average
90	90	90

**Power Factor**

3000K	4000K	5000K
> 0.90	> 0.90	> 0.90

**Projected Lumen Maintenance**

mA	90,000 hrs	100,000 hrs
350 mA	96.58%	94.30%
700 mA	91.99%	86.88%

**Electrical Drive Current**

350mA			700mA		
Volts - AC	Amps - AC	System Watts	Volts - AC	Amps - AC	System Watts
120	0.78	94	120	1.57	188
208	0.45	94	208	0.90	188
240	0.39	94	240	0.78	188
277	0.34	94	277	0.68	188
347	0.27	94	347	0.54	188
480	0.20	94	480	0.20	188

**B.U.G. Rating for 350mA (TM15) in Lumens where B = Backlight, U = Uplight, G = Glare**

Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type V L/R
3000K	B4 LU0 G4	B3 LU0 G3	B3 LU0 G3	B2 LU0 G2	B1 LU0 G3	B1 LU0 G3	B4 LU0 G3	B3 LU0 G3
4000K	B4 LU0 G4	B3 LU0 G3	B3 LU0 G3	B2 LU0 G2	B1 LU0 G3	B1 LU0 G3	B4 LU0 G3	B3 LU0 G3
5000K	B4 LU0 G4	B3 LU0 G3	B3 LU0 G3	B2 LU0 G2	B1 LU0 G3	B1 LU0 G3	B4 LU0 G3	B3 LU0 G3

**Absolute Lumens for 350mA**

Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type V L/R
3000K	10023	10144	10048	8772	10033	10285	10024	10024
4000K	10485	10424	10306	8999	10070	9277	10548	10281
5000K	10645	10523	10424	9056	10087	9383	10569	10398

**B.U.G. Rating for 700mA (TM15) in Lumens where B = Backlight, U = Uplight, G = Glare**

Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type V L/R
3000K	B5 LU0 G5	B4 LU0 G4	B3 LU0 G4	B3 LU0 G4	B1 LU0 G4	B0 LU0 G4	B4 LU0 G3	B4 LU0 G4
4000K	B5 LU0 G5	B4 LU0 G4	B3 LU0 G4	B3 LU0 G4	B1 LU0 G4	B0 LU0 G4	B4 LU0 G3	B4 LU0 G4
5000K	B5 LU0 G5	B4 LU0 G4	B3 LU0 G4	B3 LU0 G4	B1 LU0 G4	B0 LU0 G4	B5 LU0 G4	B4 LU0 G4

**Absolute Lumens for 700mA**

Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type V L/R
3000K	18985	17946	18704	16867	17711	16860	18972	17929
4000K	18549	18405	19245	17114	18185	18422	19458	17988
5000K	18761	18616	19465	17310	18393	16660	19460	18194

**Optical Module:**

- PicoPrism® refractors (enclosed LED PCBs for IP66 ratings) aimed toward the task and spreads horizontally to produce uniformity.
- Type I, II, III, IV, V, L (left), and R (right) standard distributions. Custom available.
- 3000K, 4000K, 5000K standard CCT. Amber and custom available.
- IP66 certified.
- Die-cast, low copper aluminum heat sink modules provide thermal transfer at PCB level.
- Anodized aluminum carrier plate and heat sink modules.

**Support Arm:**

- Speed Mount and a reinforcing plate are provided with square strain relief.
- Speed Mount is square or circular cut for specified pole size and shape.
- Die-cast, low copper aluminum support arm for direct pole mount.
- Die-cast aluminum tool-less entry spike access cover.
- Terminal block is mounted in the arm cavity and accepts #14 to #8 wire sizes.
- Pre-wired to electrical module with quick-disconnect plug-in located inside the electrical compartment.
- Optional cast, low copper aluminum horizontal slip-fitter with adapter plate to secure the luminaire to 1-1/4" to 2" pipe size arms.
- Optional cast aluminum wall mount plate assembly. Attached to the wall over the junction box. Luminaire attaches to the wall plate with a square cut Speed Mount.

**Neighbor Friendly Optic**

- Optional integrated Neighbor Friendly Optic on the LED module to completely control unwanted backlight. Most effective with Type III and V distributions.

**Electrical Characteristics:**

- Pre-assembled, aluminum support body.
- 120V through 480V @ 50/60Hz.
- Class 2, 350mA or 700mA.
- Power Factor = 0.90.
- National Electrical Code, ANSIFWA 70.
- 10kV surge suppression.
- 30-second thermal control.
- Thermal shielding driver.

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### KIM LIGHTING

## Entablature® Large PicoPrism® LED

ET LED  
kl\_etlped\_spec.pdf

**SPECIFICATIONS**

**Dimming:**

- 0-10V dimming interface.
- All electronic components are IP66 rated.
- Electronic components are UL and/or CSA recognized.
- Standard programmable driver for variable drive current settings from 350mA to 700mA.
- Die cast wall separates the optical and electrical compartment acting as thermal barrier.
- Electrical gear compartment doors are fastened with two gears and a latch made of stainless steel.
- Silicone gaskets seal the compartments at the barrier surface.

**Optical Module:**

- PicoPrism® refractors (enclosed LED PCBs for IP66 ratings) aimed toward the task and spreads horizontally to produce uniformity.
- Type I, II, III, IV, V, L (left), and R (right) standard distributions. Custom available.
- 3000K, 4000K, 5000K standard CCT. Amber and custom available.
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- Die-cast, low copper aluminum support arm for direct pole mount.
- Die-cast aluminum tool-less entry spike access cover.
- Terminal block is mounted in the arm cavity and accepts #14 to #8 wire sizes.
- Pre-wired to electrical module with quick-disconnect plug-in located inside the electrical compartment.
- Optional cast, low copper aluminum horizontal slip-fitter with adapter plate to secure the luminaire to 1-1/4" to 2" pipe size arms.
- Optional cast aluminum wall mount plate assembly. Attached to the wall over the junction box. Luminaire attaches to the wall plate with a square cut Speed Mount.

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- 10kV surge suppression.
- 30-second thermal control.
- Thermal shielding driver.

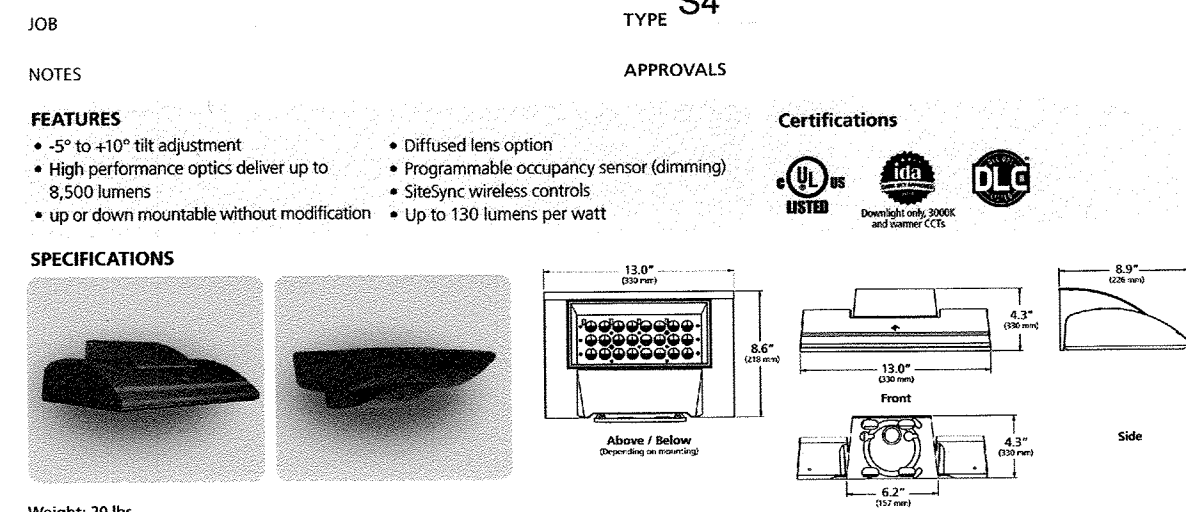
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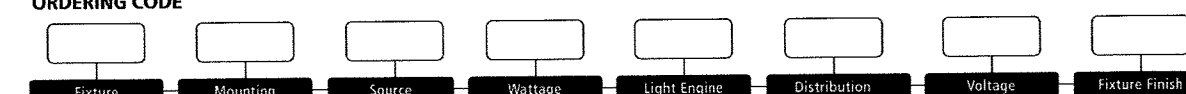
# KIMLIGHTING

## Wall Director® Small

kl\_wds\_spec.pdf



Weight: 20 lbs



Finish	Mounting	Source	Package	Distribution	Voltage	Lens
WDS - Wet Director	D - Down	24L 24100K	30 30 Wires	1 - Spot	243V 24V	DL Dark Bronze
WDS - Wet Director	U - Up	40 40 Wires	30 30 Wires	1 - Spot	243V 24V	DL Dark Bronze
WDS - Wet Director	U - Up	60 60 Wires	30 30 Wires	1 - Spot	243V 24V	DL Dark Bronze
WDS - Wet Director	U - Up	75 75 Wires	30 30 Wires	1 - Spot	243V 24V	DL Dark Bronze

PC Remote Protocol	120' Neutral Emergency Battery Backup	SCREMOTE
PC Remote Protocol	120' Neutral Emergency Battery Backup	SCREMOTE
PC Remote Protocol	120' Neutral Emergency Battery Backup	SCREMOTE
PC Remote Protocol	120' Neutral Emergency Battery Backup	SCREMOTE

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LUMINAIRE PERFORMANCE	LED #	Nominal Lumens Package	Nominal Wattage	Loss	Options	Distribution	3000K			4000K			5000K									
							Lumen	B	U	G	In/W	Lumen	B	U	G	In/W	Lumen	B	U	G	In/W	
3,000	29	3	29	1.0	Clear	Lens	1	3431	1	0	0	119	3319	1	0	0	132	3560	1	0	0	131
							2	3353	1	0	1	119	3438	1	0	1	119	3475	1	0	1	120
							3	3346	1	0	1	119	3426	1	0	1	119	3463	1	0	1	120
							4F	3343	1	0	1	119	3427	1	0	1	119	3466	1	0	1	120
							4W	3172	1	0	1	119	3262	1	0	1	133	3289	1	0	1	134
							5F	3055	1	0	0	175	3061	1	0	0	128	3131	3	0	0	139
							5W	3372	2	0	1	117	3356	2	0	1	120	3496	2	0	1	121
							6F	3055	1	0	1	95	2921	1	0	1	93	2960	1	0	1	93
							6W	3172	1	0	1	95	2921	1	0	1	93	2960	1	0	1	93
							7F	3172	1	0	1	109	3230	1	0	1	112	3267	1	0	1	113
							7W	3172	1	0	1	109	3230	1	0	1	112	3267	1	0	1	113
							8F	4232	1	0	1	111	4298	1	0	1	113	4363	1	0	1	115
8W	4484	1	0	1	108	4596	1	0	1	111	4660	1	0	1	112							
9F	4468	1	0	1	108	4581	1	0	1	110	4633	1	0	1	112							
9W	4472	1	0	1	108	4580	1	0	1	110	4637	1	0	1	112							
10F	4844	1	0	1	103	4853	1	0	1	105	4904	1	0	1	106							
10W	4817	3	0	0	116	4758	3	0	0	119	4944	3	0	0	120							
11F	4971	2	0	0	107	4924	2	0	0	111	4977	2	0	0	113							
11W	4971	2	0	0	107	4924	2	0	0	111	4977	2	0	0	113							
12F	5319	1	0	1	106	5328	1	0	1	108	5380	1	0	1	109							
12W	5319	1	0	1	106	5328	1	0	1	108	5380	1	0	1	109							
13F	6182	1	0	1	106	6188	1	0	1	108	6240	1	0	1	110							
13W	6182	1	0	1	106	6188	1	0	1	108	6240	1	0	1	110							
14F	6586	1	0	2	105	6521	1	0	2	108	6583	1	0	2	109							
14W	6581	1	0	2	100	5998	1	0	2	103	6067	1	0	2	104							
15F	5645	4	0	0	114	5688	4	0	0	116	5856	4	0	0	118							
15W	5719	3	0	1	109	6136	3	0	1	109	6459	3	0	1	110							
16F	5366	1	0	1	99	5398	2	0	1	94	5460	2	0	1	93							
16W	5319	1	0	1	99	5398	2	0	1	93	5460	2	0	1	93							
17F	5812	1	0	1	99	5959	1	0	1	93	6036	1	0	1	93							
17W	5812	1	0	1	99	5959	1	0	1	93	6036	1	0	1	93							
18F	7070	1	0	1	106	7077	1	0	1	109	7170	1	0	1	110							
18W	7070	1	0	1	104	7085	1	0	1	107	7195	1	0	1	108							
19F	7665	1	0	2	104	7688	1	0	2	106	7748	1	0	2	107							
19W	7665	1	0	2	104	7688	1	0	2	106	7748	1	0	2	107							
20F	7880	1	0	2	98	7883	1	0	2	101	7948	1	0	2	102							
20W	8263	4	0	0	112	8421	4	0	0	114	8507	4	0	0	115							
21F	7758	3	0	1	105	7833	3	0	1	107	8023	3	0	1	108							
21W	7758	3	0	1	105	7833	3	0	1	107	8023	3	0	1	108							
22F	8552	2	0	1	89	8377	2	0	1	91	8393	2	0	1	92							
22W	8552	2	0	1	89	8377	2	0	1	91	8393	2	0	1	92							

System	Current	Line Voltage							Min. Power Factor	Max THD (%)	Dimming Range	Source current out		Absolute voltage	
		VAC	120	208	240	277	347	480				Min	Max	Min	Max
29	350mA	0.24	0.14	0.12	0.10	0.10	0.08	0.06	>0.9	20	0% to 100%	0mA	1mA	0V	10V
42	500mA	0.38	0.22	0.18	0.16	0.13	0.09								
59	725mA	0.48	0.27	0.24	0.21	0.16	0.12								
74	925mA	0.62	0.39	0.34	0.29	0.23	0.17								

LUMENS	Projected Lumen Maintenance (70°C / 27°F)				\$/1000	Reported L70
	0%	97%	95%	93%		
Project Lumen	3000	97%	95%	93%	80%	>60,000 hrs

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## Wall Director® Small

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**HOUSING**

- Optical housing is a one-piece, die-cast aluminum alloy with integral heat sink. The housing rotates against mounting arm housing to provide 5° to 10° of adjustment with degree markers cast into the housing. At 0 adjustment, lens is totally concealed from view above horizontal with fixture mounted in the downcast position.
- Mounting arm housing is one-piece die-cast, cast copper (c0.6%) aluminum alloy with provisions for tilt mechanism. Mounting arm fastens to the mounting plate with hydro-slots freeing both hands for securing and wiring. One stainless steel socket head screw on the tilt mechanism frees the optical housing to rotate for aiming. Tightening the screws locks the housing and lens frame together with sealing provided by a silicone gasket. For visual aiming, adjustment may be accomplished with the fixture on.
- Lens frame is a one-piece, die-cast copper (c0.6%) aluminum alloy with integral cooling fins to dissipate driver thermal.
- Luminaire housing shall be free of any visible heat fins, hardware or fasteners.
- Bracketry and hardware shall be stainless steel.

**ELECTRONIC MODULE**

- Drivers shall be die-cast with anti-reflexive coating on the die-cast aluminum lens frame across the entire surface area of the widest face for maximum thermal transfer.
- Thermal Shield: secondary side, thermistor provides protection for the sustainable life of LED module and electronic components.
- Drivers shall have greater than a 0.9 power factor, less than 20% harmonic distortion, and be suitable for operation in -40°C to 40°C ambient environments.
- Luminaires shall have integral surge protection that shall be UL recognized and have a surge current rating of 10,000 amps using the industry standard 8/20µsec wave and surge rating of 100.

**PHOTOMETRY**

Very High Output - 4' Luminaire  
Efficiency (lumens per watt) 94  
Test luminaire output: 3488 Lumens (864 lumens/foot)  
36.9 Watts (0.2 watt/foot)  
Peak Candela Value: 1256 @ 0°  
CCT: 3000K  
TIL LM79 Report 50390

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**SPECIFICATIONS**

**HOUSING**

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**ELECTRONIC MODULE**

- Drivers shall be die-cast with anti-reflexive coating on the die-cast aluminum lens frame across the entire surface area of the widest face for maximum thermal transfer.
- Thermal Shield: secondary side, thermistor provides protection for the sustainable life of LED module and electronic components.
- Drivers shall have greater than a 0.9 power factor, less than 20% harmonic distortion, and be suitable for operation in -40°C to 40°C ambient environments.
- Luminaires shall have integral surge protection that shall be UL recognized and have a surge current rating of 10,000 amps using the industry standard 8/20µsec wave and surge rating of 100.

**PHOTOMETRY**

Very High Output - 4' Luminaire  
Efficiency (lumens per watt) 94  
Test luminaire output: 3488 Lumens (864 lumens/foot)  
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# KIMLIGHTING

## Wall Luminaire - two-sided light distribution

S7

**Application**  
Wall luminaires with light emission on two sides. Downward directed light distribution is ideal for general illumination of hallways and corridors. Upward directed light is ideal for highlighting various architectural features.

**Materials**  
Luminaires housing constructed of die-cast marine grade, copper free (50.5% copper content) A306.0 aluminum alloy.  
Clear safety glass.  
Reflectors made of pure anodized aluminum.  
Silicone applied robotically to casting, plasma treated for increased adhesion.  
High temperature silicone gasket.  
Mechanically cast stainless steel fasteners.  
NRTL listed to North American Standards, suitable for wet locations.  
Protection class IP-64.  
Weight: 1.5 lbs.

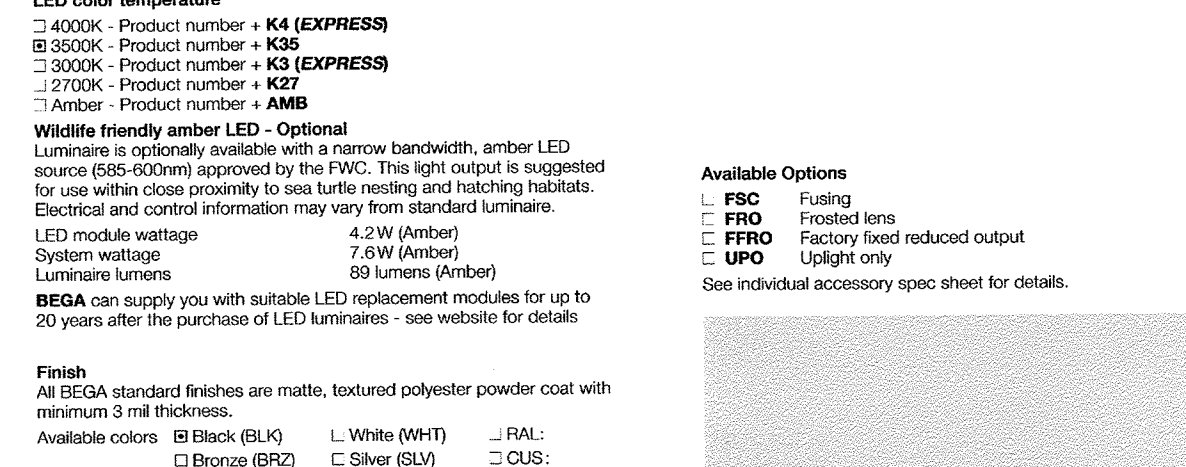
**Electrical**  
Operating voltage: 120-277VAC  
Minimum start temperature: -20°C  
Maximum ambient temperature: 40°C  
LED module wattage: 3.8W  
System wattage: 7.3W  
0-10V dimmable  
Controllability:  
Color rendering index: Ra > 90  
Luminaire lumens: 300 lumens (4000K)  
LED service life (L70): 60,000 hours

**LED color temperature**  
4000K - Product number + **K4 (EXPRESS)**  
3000K - Product number + **K30 (EXPRESS)**  
2700K - Product number + **K27 (EXPRESS)**  
- Amber - Product number + **AMB**

**Wildlife friendly amber LED - Optional**  
Luminaire is colorally available with a narrow bandwidth, amber LED source (565-600nm) approved by the FWAC. This light output is suggested for use within close proximity to sea turtle nesting and hatching habitats. Electrical and control information may vary from standard luminaires.  
LED module wattage: 4.2W (Amber)  
System wattage: 7.9W (Amber)  
Luminaire lumens: 80 lumens (Amber)

**BEGA** can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details.

**Finish**  
All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.  
Available colors: B Black (BK) L White (WHT) JRAL:  
□ B Bronze (BRZ) □ S Silver (SLV) □ CUS:



Wall Luminaire - two-sided light distribution	A	B	C
33590	1.0	2.1	3.4
33590	1.0	3.8	5.4
33590	1.0	5.4	7.9

BEGA 1000 BEGA Way, Carpinteria, CA 93013 (800)684-0533 info@bega-usa.com  
Due to the dynamic nature of lighting products and the associated technologies, product data is subject to change without notice. Please visit www.bega.com for most current data.  
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# KIMLIGHTING

## High Performance 4" Wet Location (HP-4 WL) Surface Mount

S8

**Application**  
High Performance 4" Wet Location Surface Mount (HP-4 WL) luminaire is a linear LED luminaire listed for wet location and IP65 and IK10 rated. HP-4 WL S8 delivers uniform illumination with a clean linear aesthetic free of visible attachment hardware.

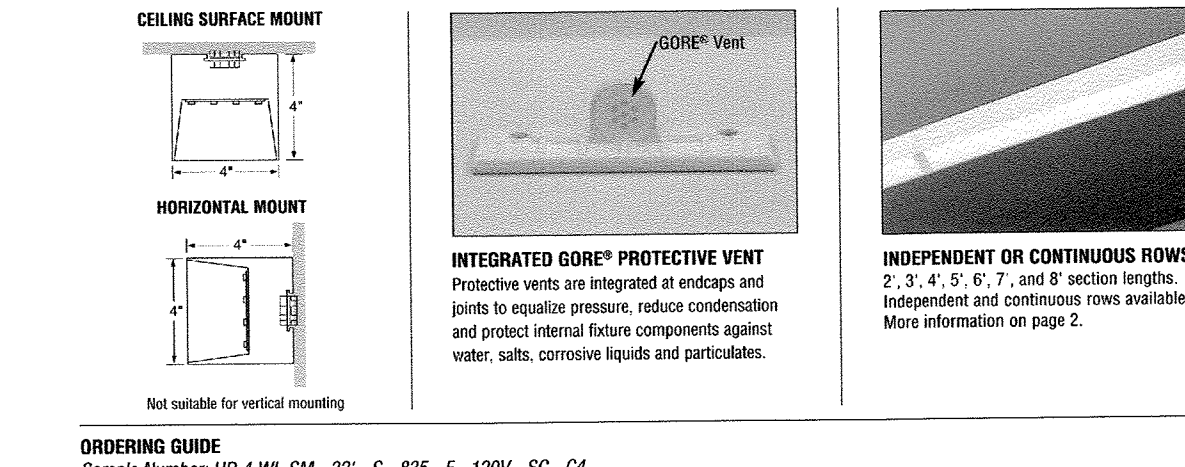
**DESCRIPTION**  
High Performance 4" Wet Location Surface Mount (HP-4 WL) luminaire is a linear LED luminaire listed for wet location and IP65 and IK10 rated. HP-4 WL S8 delivers uniform illumination with a clean linear aesthetic free of visible attachment hardware.

**CEILING SURFACE MOUNT**  
Not suitable for vertical mounting.

**HORIZONTAL MOUNT**  
Not suitable for vertical mounting.

**INTEGRATED GORE® PROTECTIVE VENT**  
Protective vents are integrated at endcaps and joints to equalize pressure, reduce condensation and protect internal fixture components against water, salts, corrosive liquids and particulates.

**INDEPENDENT OR CONTINUOUS ROWS**  
2, 3, 4, 5, 6, 7, and 8' section lengths. Independent and continuous rows available. More information on page 5.



ORDERING GUIDE	Sample Number: HP-4 WL SM - 32' - S - 835 - F - 120V - SC - C4
HP-4 WL SM	[S] [830] [F] [277] [SC] [C4]

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# KIMLIGHTING

## High Performance 4" Wet Location (HP-4 WL) Surface Mount

S8

**Application**  
High Performance 4" Wet Location Surface Mount (HP-4 WL) luminaire is a linear LED

**KIMLIGHTING** Wall Director® Small **WDS** kl\_wds\_spec.pdf

JOB \_\_\_\_\_ TYPE **S4A**

NOTES \_\_\_\_\_ APPROVALS \_\_\_\_\_

**FEATURES**

- 5° to 45° tilt adjustment
- High performance optics deliver up to 8,500 lumens
- 5° or 45° down tilt available without modification
- Diffused lens option
- Programmable occupancy sensor (dimming)
- SileSync wireless controls
- Up to 150 lumens per watt

**Certifications**

**Weight: 20 lbs**

**ORDERING CODE**

WDS: 184 (Down)	WDS: 185 (Up)	WDS: 242 (180°)	WDS: 303 (90°)	WDS: 347 (180°)	WDS: 347 (90°)	WDS: 480 (180°)	WDS: 480 (90°)
40 W/Watt	40 W/Watt	60 W/Watt	60 W/Watt	75 W/Watt	75 W/Watt	90 W/Watt	90 W/Watt

**Control Options**

- FC: Inter Frame
- SCP-18: Programmable Occ. Sensor (18" height)
- SCP-24: Programmable Occ. Sensor (24" height)
- SWP: SileSync Wireless Pre-Commission
- SWWC: SW Wireless Enabled

**Options**

- EM: Instant Emergency Battery Backup
- EMF: Instant Emergency Battery Backup
- DF: Double Face A-Fuse Holder
- DFM: Double Face A-Fuse Holder

**Accessories**

- SCPRMOTR: SCF configuration tool
- SWUSB: SileSync Software on USB
- SWTMB: SileSync Wireless Hub
- SWW: SileSync Wireless Hub
- SWWEG: SileSync Software Bridge Node

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**LUMINAIRE PERFORMANCE**

LED #	Nominal Lum. Package	Nominal Wattage	Lens Options	3000K				4000K				5000K				
				Lumen	BUG Rating	lm/w	lm/w	Lumen	BUG Rating	lm/w	lm/w	Lumen	BUG Rating	lm/w	lm/w	
24L	L2000	29	Clear Lens	1	3433	1.0	0	119	3519	1.0	0	122	3560	1.0	0	123
				2	3351	1.0	1	116	3536	1.0	1	119	3575	1.0	1	126
				3	3343	1.0	1	116	3427	1.0	1	119	3463	1.0	1	120
				4	3343	1.0	1	116	3427	1.0	1	119	3463	1.0	1	120
	4.500	42	Diffuse Lens	1	4599	1.0	0	111	4708	1.0	0	113	4862	1.0	0	115
				2	4484	1.0	1	108	4596	1.0	1	111	4648	1.0	1	112
				3	4468	1.0	1	108	4581	1.0	1	110	4631	1.0	1	112
				4	4472	1.0	1	108	4580	1.0	1	110	4637	1.0	1	112
	6.000	59	Clear Lens	1	4544	1.0	1	102	4520	1.0	1	102	4490	1.0	1	106
				2	4517	3.0	0	116	4938	3.0	0	119	4954	3.0	0	120
				3	4544	1.0	1	102	4520	1.0	1	102	4490	1.0	1	106
				4	4544	1.0	1	102	4520	1.0	1	102	4490	1.0	1	106
7.500	74	Diffuse Lens	1	4533	1.0	1	106	4602	1.0	1	111	4656	1.0	1	112	
			2	4582	1.0	1	105	4638	1.0	1	108	4640	1.0	1	110	
			3	4581	1.0	2	105	4636	1.0	2	108	4638	1.0	2	109	
			4	4566	1.0	2	105	4632	1.0	2	106	4639	1.0	2	109	

**Electrical Characteristics**

Watts	Current	Line Voltage					Min. Power Factor	Max THD (%)	Dimming Range	Source current out			Absolute voltage				
		VAC	Hz	120	208	240				277	347	Min	Max	Min	Max		
29	250mA			0.24	0.14	0.12	0.19	0.08	0.06								
42	350mA			0.38	0.22	0.19	0.16	0.13	0.09								
59	500mA	120-480	50/50	0.48	0.37	0.24	0.21	0.16	0.12	>0.9	20	10%	100%	0mA	10A	0V	10V
74	625mA			0.67	0.39	0.34	0.29	0.23	0.17								

**TM-21 LIFETIME CALCULATION**

HOURS	Projected Lumens Maintenance	Projected Lumens Maintenance (25°C/77°F)			Reported L70
		95%	90%	80%	
0	25,000	25,000	25,000	25,000	> 60,000 hrs
100%	97%	95%	90%	80%	

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**SPECIFICATIONS**

**Housing**

- Optical housing is a one-piece, die-cast low copper (c0.6%) aluminum alloy with integral heat sink. The housing mates against mounting arm housing to provide 5° to 10° of adjustment with degree markers cast into the housing. At 0 adjustment, lens is totally concealed from view above horizontal with fixture mounted in the downward position.
- Mounting arm housing is a one-piece die-cast, low copper (c0.6%) aluminum alloy with provisions for tilt mechanism. Mounting arm fastens to the mounting plate with keyhole slots freeing both hands for securing and wiring. One stainless steel socket-head screw on the tilt mechanism from the optical housing to rotate for aiming. Tightening the screws locks the housing and lens frame together with sealing provided by a silicone gasket. For visual aiming, adjustment may be accomplished with the fixture on.
- Lens frame is a one-piece, die-cast low copper (c0.6%) aluminum alloy with integral cooling fins to dissipate driver thermal.
- Luminaire housing shall be free of any visible heat fins, hardware or fasteners.
- Bracketry and hardware shall be stainless steel.

**Optical Array**

- LEDs shall be mounted to a metal printed circuit board assembly (MCPCB).
- Optical lenses shall be clear injection molded PMMA acrylic.
- Secondary lens is impact resistant 1/8" tempered glass with anti-reflective coating.

**Electronic Module**

- Drivers shall be in direct contact with the die-cast aluminum lens frame across the entire surface area of the widest face for maximum thermal transfer.
- Thermal shield: secondary side, thermistor provides protection for the sustainable life of LED module and electronic components.
- Drivers shall have greater than a 0.9 power factor, less than 20% harmonic distortion, and be suitable for operation in -40°C to 40°C ambient environments.
- Luminaires shall have integral surge protection that shall be UL recognized and have a surge current rating of 10,000 Amps using the industry standard 16,000 AIC wave and surge rating of 3721.

**Surge protection device shall be wired in series.**

**Drivers shall be UL recognized.**

- Drivers shall not be compatible with current sourcing dimmers, consult factory for current list of known compatible dimming systems approved dimmers include Lutron Diva AVTV, Lutron Nova NTV and NTVTV.

**Dimming**

- 10% to 100% dimming by the use of standard 0-10V interface driver.
- The thermal shield works in conjunction with the control system to assure that overheating will not harm the LEDs.
- The wiring harness is connected with the use of the Purple lead as the positive (+) and the Grey lead as the negative (-) to an available control signal (by other).

**Rate disabled - Fade-down rate: disabled - Photocell: Off - Sensitivity: Full - Time Delay: Fade to off: 1 hour.**

- The SCP enables any wall mounted luminaire, in excess of 30 watts, to meet California Title 24 requirements with integral 10kVA surge protection for added reliability and serviceability. For more detail: [http://www.aal.net/product/v\\_sensor\\_control\\_programmable](http://www.aal.net/product/v_sensor_control_programmable)
- SileSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit [www.hubbellighting.com/products/silesync](http://www.hubbellighting.com/products/silesync) for more details.

**Certifications and Listings**

- UL598, UL 8750 and Canadian CSA Std. C22.2 no.250
- IBA approved, down light only, 3000K with thermal jacket.
- IESG Compliant
- IP65

**CAUTION:**

- Features must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.
- For full warranty see <http://www.hubbellighting.com/resources/warranty>

**WARRANTY:**

- For full warranty see <http://www.hubbellighting.com/resources/warranty>

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**SPECIFICATIONS**

**Finish:**

- Luminaire finish shall consist of a five stage pretreatment regimen with a polymer primer sealer, oven dry off, and top coated with a thermoset super TiO<sub>2</sub> polyester powder coat finish.
- Luminaire finish shall meet the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance.
- Standard colors include (B) Black, (DB) Dark Bronze, (G) Graphite, (GL) Light Gray (PS) Platinum Silver, (T) Titanium, (WB) White, and (C) Custom Color (Include RAL).

**Control Options**

- Integral battery backup provides emergency path of egress lighting for the required 90 minutes for 0°C ambient environments or -20°C with thermal jacket.
- Fusing: SF for 120, 277 and 347 Line Volts DF for 208, 240 and 480 Line Volts High temperature fuse holders factory installed inside the fixture housing. Fuse is included.

**Mounting and Installation**

- JUNCTION BOX: Standard with steel, quick-mount junction box plate that mounts directly to 4" x 4" box.
- Mounting plate is stainless steel and features a one-piece EPDM gasket on back side of plate to firmly seal fixture to wall surface, forbidding entry of moisture and particulates.

**Service**

- Housing shall be able to hang freely in an open service position for inspection of primary wire connections. Once in service position, the housing shall be able to be removed for service by sliding the assembly to the left (for down mounting) or to the right (for up mounting) and disconnecting the wiring plugs.
- Driver assembly shall be programmable and use passive infrared (PIR) sensing technology that reacts to changes in infrared energy (moving body heat) within the coverage area. Careful consideration must be given to obstructions that may block the sensor's line of sight.
- Factory default settings for SCP option shall be - High mode: 10V - Low mode: 1V - Ramp-up rate: disabled - Fade-down rate: disabled - Photocell: Off - Sensitivity: Full - Time Delay: Fade to off: 1 hour.

**CAUTION:**

- Features must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.
- For full warranty see <http://www.hubbellighting.com/resources/warranty>

**WARRANTY:**

- For full warranty see <http://www.hubbellighting.com/resources/warranty>

Kim Lighting reserves the right to change specifications without notice.

© 2018 KIM LIGHTING | 17760 Rowland Street | City of Industry | CA 91748  
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**PROFESSIONAL ENGINEER**

SEAL: COLORADO LICENSED PROFESSIONAL ENGINEER  
No. 6420  
55583  
Date: 11/15/19

**PROJECT TITLE:**

**Douglas County School District RE-1**

**Castle View High School**

Castle Rock, CO

06/02/20	FINAL SDP	
02/14/20	SDP RESUBMITTAL	
01/15/20	SDP SUBMITTAL	
11/15/19	SDP SUBMITTAL	
MARK	DATE	DESCRIPTION
PROJECT NUMBER: 19011		
CAD FILE:		
DRAWN BY: KML		
CHECK BY: MHM		
SHEET TITLE:		

**SITE DEVELOPMENT PLAN (SDP)**

**LIGHTING CUT SHEETS**

**SD4.5 SHEET 19 OF 19**

**SDP 19-0042**