



**Bergen Valley Elementary
School Addition & Reno**
1422 Sugarbush Dr
Evergreen, CO 80439



CONSTRUCTION DOCUMENTS

07/31/2023

PROJECT NUMBER: 822808-01

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Bergen Valley
Elementary School
Addition & Reno

1422 Sugarbush Dr
Evergreen, CO 80439

DATE	DESCRIPTION
12/23/2022	SCHEMATIC DESIGN
03/17/2023	DESIGN DEVELOPMENT
06/16/2023	DESIGN DEVELOPMENT - REVISED
07/5/2023	100% CONSTRUCTION DOCUMENTS

KEY PLAN

SHEET INFORMATION

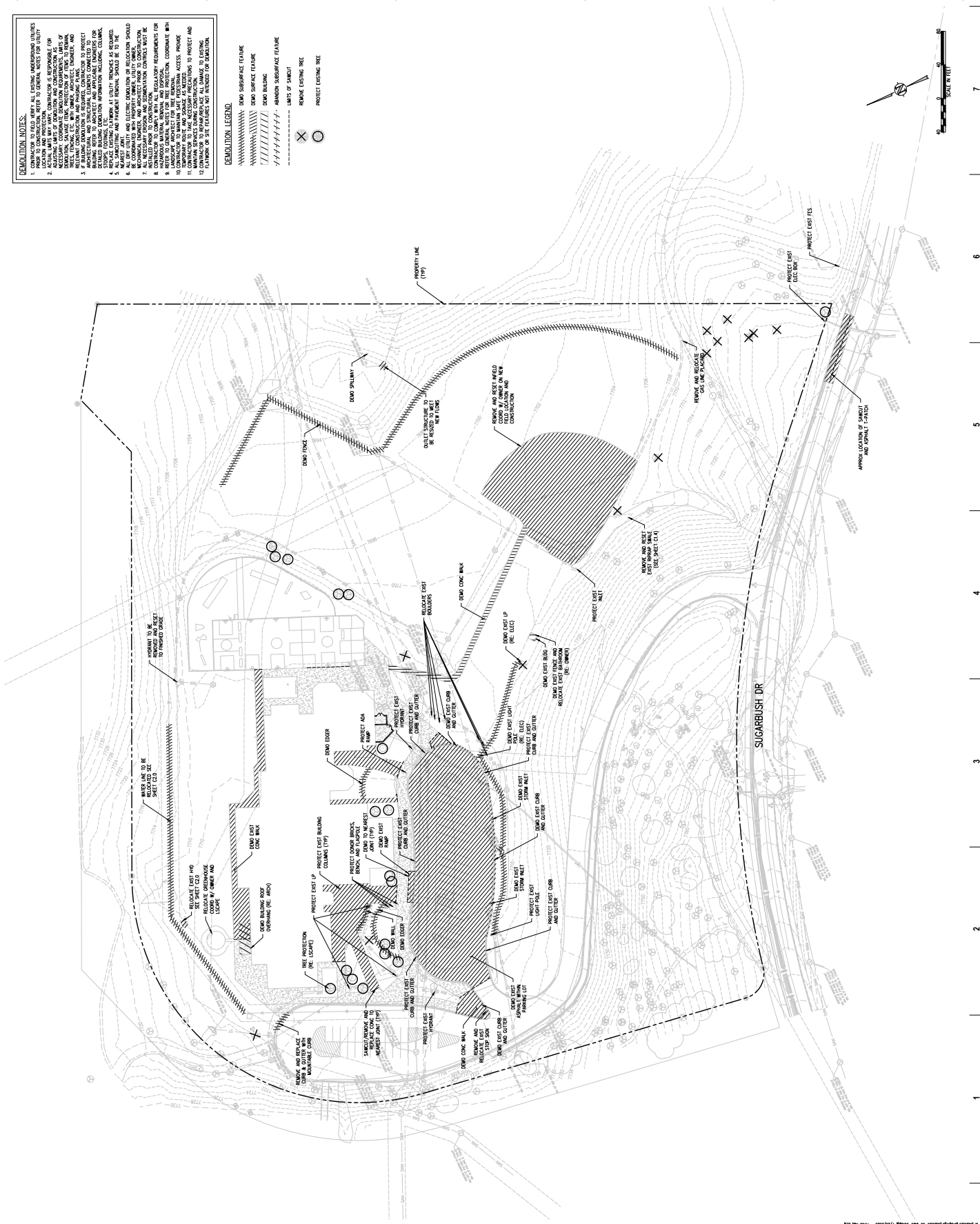


DEMOLITION PLAN

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[illegible]

DEMO SUBSURFACE FEATURE	DEMO SURFACE FEATURE	DEMO BUILDING	ABANDON SUBSURFACE FEATURE	LIMITS OF SANDCUT	REMOVE EXISTING TREE	PROTECT EXISTING TREE





irrigation | landscape | greenway | general | design
1422 Sugabush Drive, Suite 100
Denver, CO 80202
(303) 595-4500
www.eura.com



PROJECT INFORMATION

Bergen Valley
Elementary School
Addition & Reno

D 1422 Sugabush Dr
Evergreen, CO 80439

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/05/2025	FOR MAT C (0.82%)
03/05/2025	FOR MAT C (0.82%)
03/05/2025	FOR MAT C (0.82%)
03/05/2025	FOR MAT C (0.82%)

KEY PLAN

SHEET INFORMATION



PROJECT MANAGER JC
PROJECT NUMBER 82200401

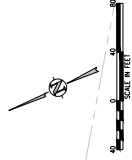
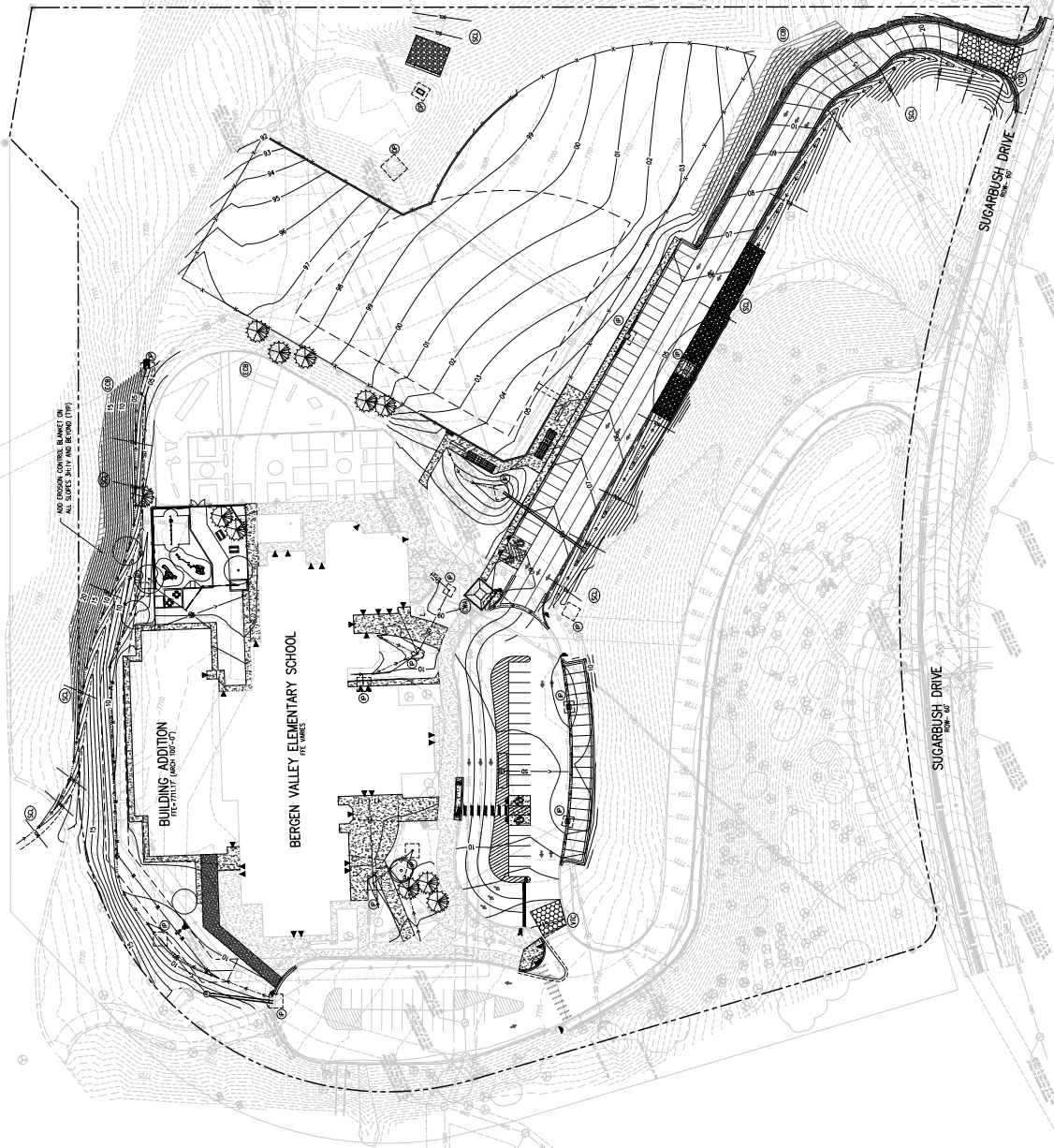
EROSION CONTROL
PLAN

CE1.0

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EROSION AND SEDIMENTATION NOTES:
1. CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL EROSION AND SEDIMENTATION CONTROLS THROUGHOUT CONSTRUCTION.
2. ALL CONTROLS SHALL BE INSTALLED WITHIN THE PROPERTY LINES AND MAINTAINED THROUGHOUT CONSTRUCTION.
3. EROSION AND SEDIMENTATION CONTROLS SHALL BE MAINTAINED AND REPAIRED AS NEEDED.
4. EROSION AND SEDIMENTATION CONTROLS SHALL BE REMOVED AND REPAIRED AS NEEDED.
5. EROSION AND SEDIMENTATION CONTROLS SHALL BE MAINTAINED AND REPAIRED AS NEEDED.

- EROSION CONTROL LEGEND
- EXISTING INDEX CONTOUR
 - EXISTING INTERIMMEDIATE CONTOUR
 - PROPOSED INDEX CONTOUR
 - PROPOSED INTERIMMEDIATE CONTOUR
 - LIMITS OF WORK
 - INLET PROTECTION
 - VEHICLE TRACKING CONTROL
 - SEMENT CONTROL LOG
 - CONCRETE WORKOUT AREA
 - EROSION CONTROL BLANKET



1 2 3 4 5 6 7

VTC-1, AGGREGATE VEHICLE TRACKING CONTROL

VTC-6
Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3
November 2010

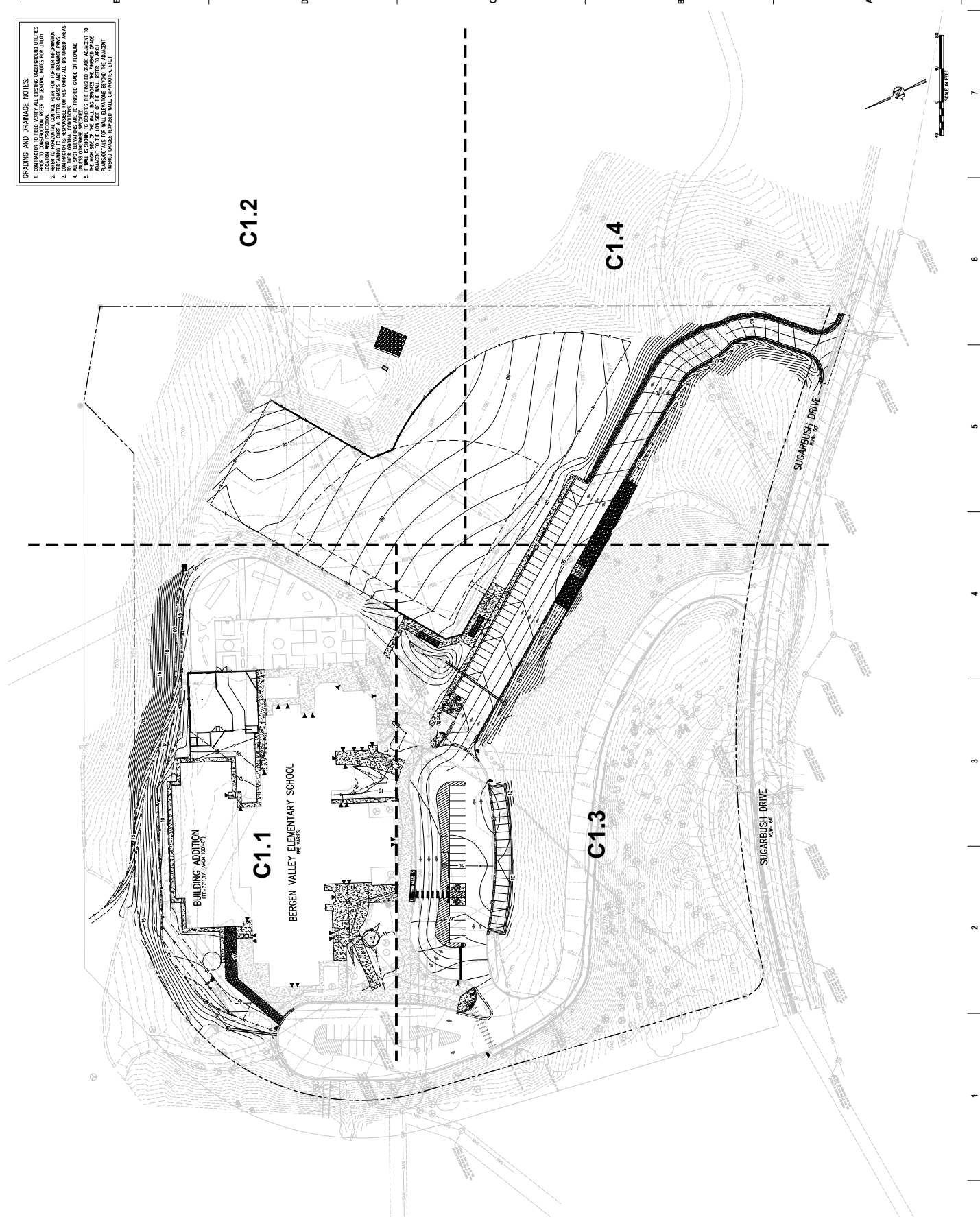
November 2010
Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3
VTC-3

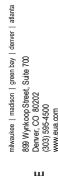
DATE	DESCRIPTION
1/23/2022	SCHEMATIC DESIGN
02/17/2023	DESIGN DEVELOPMENT
06/16/2023	DESIGN DEVELOPMENT -REVISED
07/15/2023	100% CONSTRUCTION DOCUMENTS



GRADING AND DRAINAGE NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. REFER TO GENERAL NOTES FOR UTILITY LOCATION AND PROTECTION.
2. REFER TO HORIZONTAL CONTROL PLAN FOR FURTHER INFORMATION REGARDING ELEVATIONS AND SPOT ELEVATIONS.
3. CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL DISTURBED AREAS TO THEIR ORIGINAL CONDITIONS.
4. ALL SPOT ELEVATIONS ARE TO FINISHED GRADE OR FLOWLINE UNLESS OTHERWISE NOTED.
5. ALL SPOT ELEVATIONS LOCATED TO THE FINISHED GRADE ADJACENT TO THE HIGH SIDE OF THE WALL BO DENOTES THE FINISHED GRADE ADJACENT TO THE LOW SIDE OF THE WALL. REFER TO ARCH PLANS/DETAILS FOR WALL ELEVATIONS BEYOND THE ADJACENT FINISHED GRADES (EXPPOSED WALL CAP/FOOTER, ETC.)





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	07/13/2023	100% - CONSTRUCTION DOCUMENTS

KEY POINTS AND

SHEET INFORMATION



PROJECT MANAGER	JC
PROJECT NUMBER	822808-01

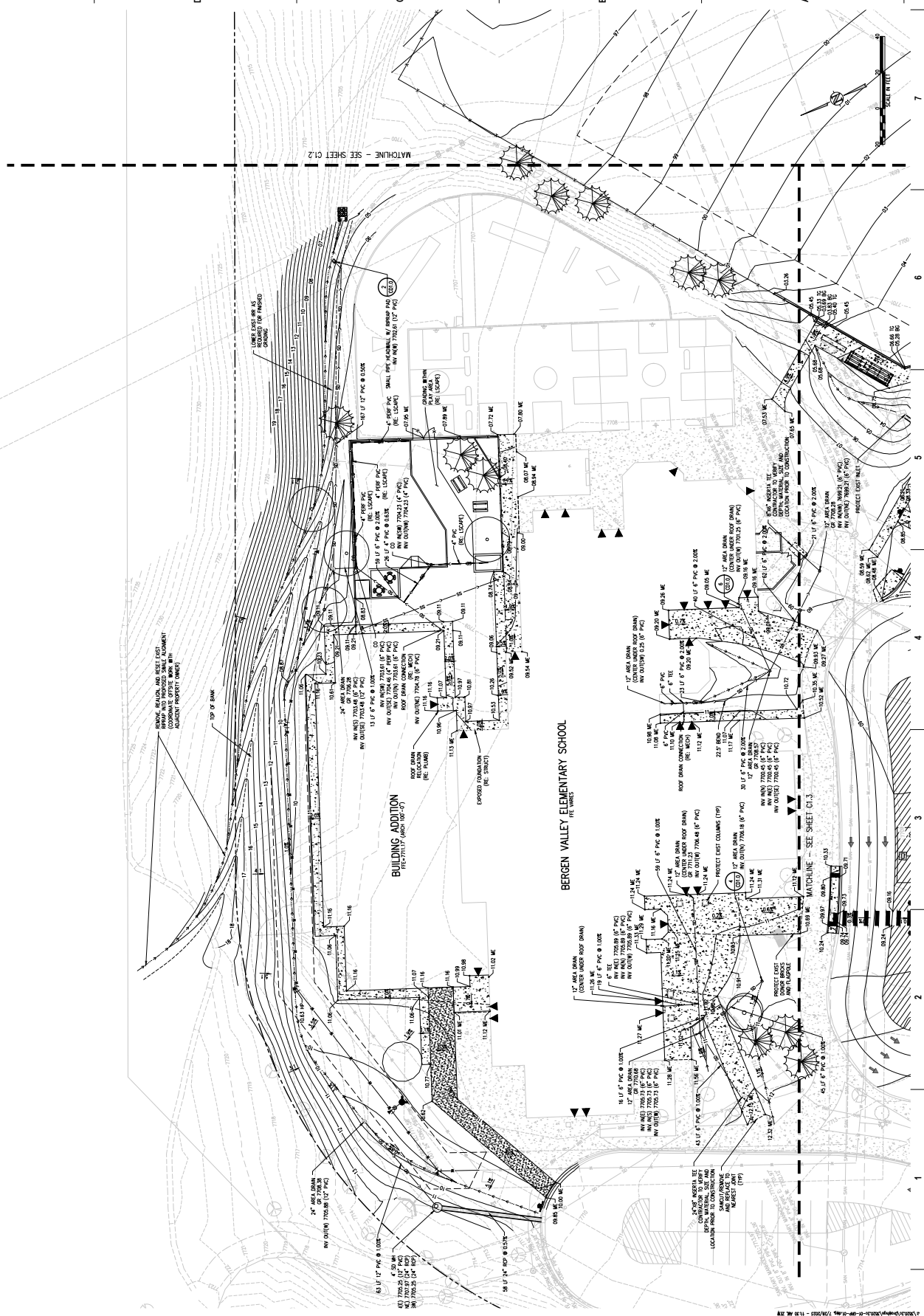
DETAILED GRADING
AND DRAINAGE PLAN

C1.1

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GRADING AND DRAINAGE NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES REFERRED TO HEREIN PRIOR TO ANY CONSTRUCTION. PROVIDE ADEQUATE LOCATION AND PROTECTION.
2. REFER TO HORIZONTAL CONTROL PLAN FOR FURTHER INFORMATION PERTAINING TO CURB & GUTTER, CHUTES, AND DRAINAGE PANS.
3. ALL EXISTING DRIVEWAYS TO BE RESTORED TO ORIGINAL DISBURSED AREAS TO THEIR ORIGINAL CONDITIONS.
4. ALL SPOT ELEVATIONS ARE TO FINISHED GRADE OR FLOWLINE.
5. FINISHED GRADE ELEVATIONS TO BE SHOWN.
6. FINISHED GRADE TO EXISTING FINISHED GRADE ADJACENT TO THE HIGH SIDE OF THE WALL BO DENOTES THE FINISHED GRADE ADJACENT TO THE LOW SIDE OF THE WALL.
7. FINISHED GRADE TO ARCH PLANT/DETAILS FOR WALL ELEVATIONS BEYOND THE ADJACENT





emkay@eae.com | madison | green bay | denver | austria
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	06/16/2023	DESIGN DEVELOPMENT - REVISED
	07/13/2023	100% - CONSTRUCTION DOCUMENTS

5

KEY PLAN

66

SHEET INFORMATION

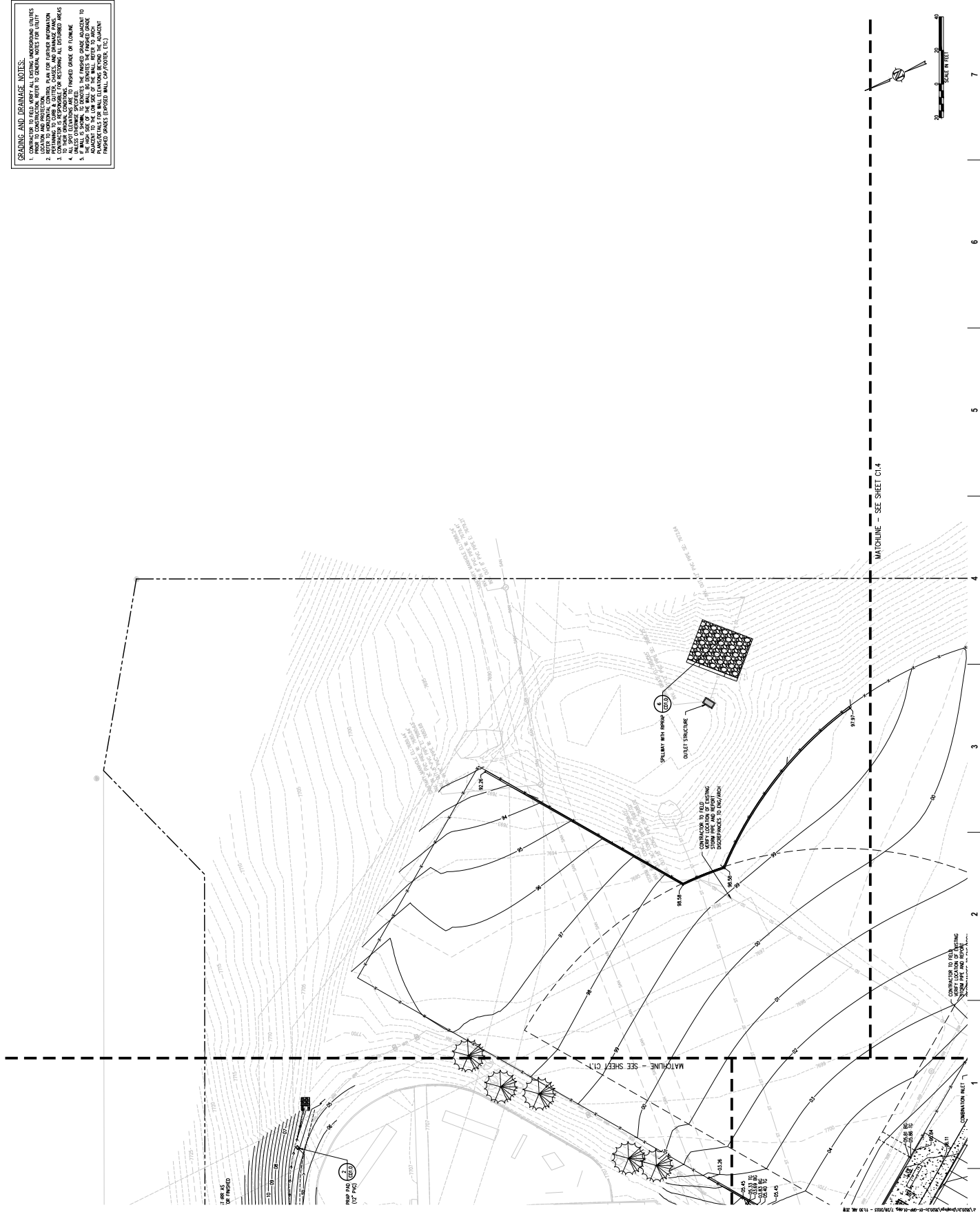


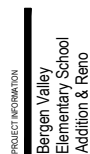
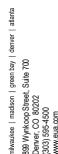
PROJECT MANAGER	JC
PROJECT NUMBER	822808-01

DETAILED GRADING
AND DRAINAGE PLAN

C1.2

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06/16/2023	DESIGN DEVELOPMENT -REVISED
07/19/2023	100% - CONSTRUCTION DOCUMENTS

KEY PLAN

SHEET INFORMATION

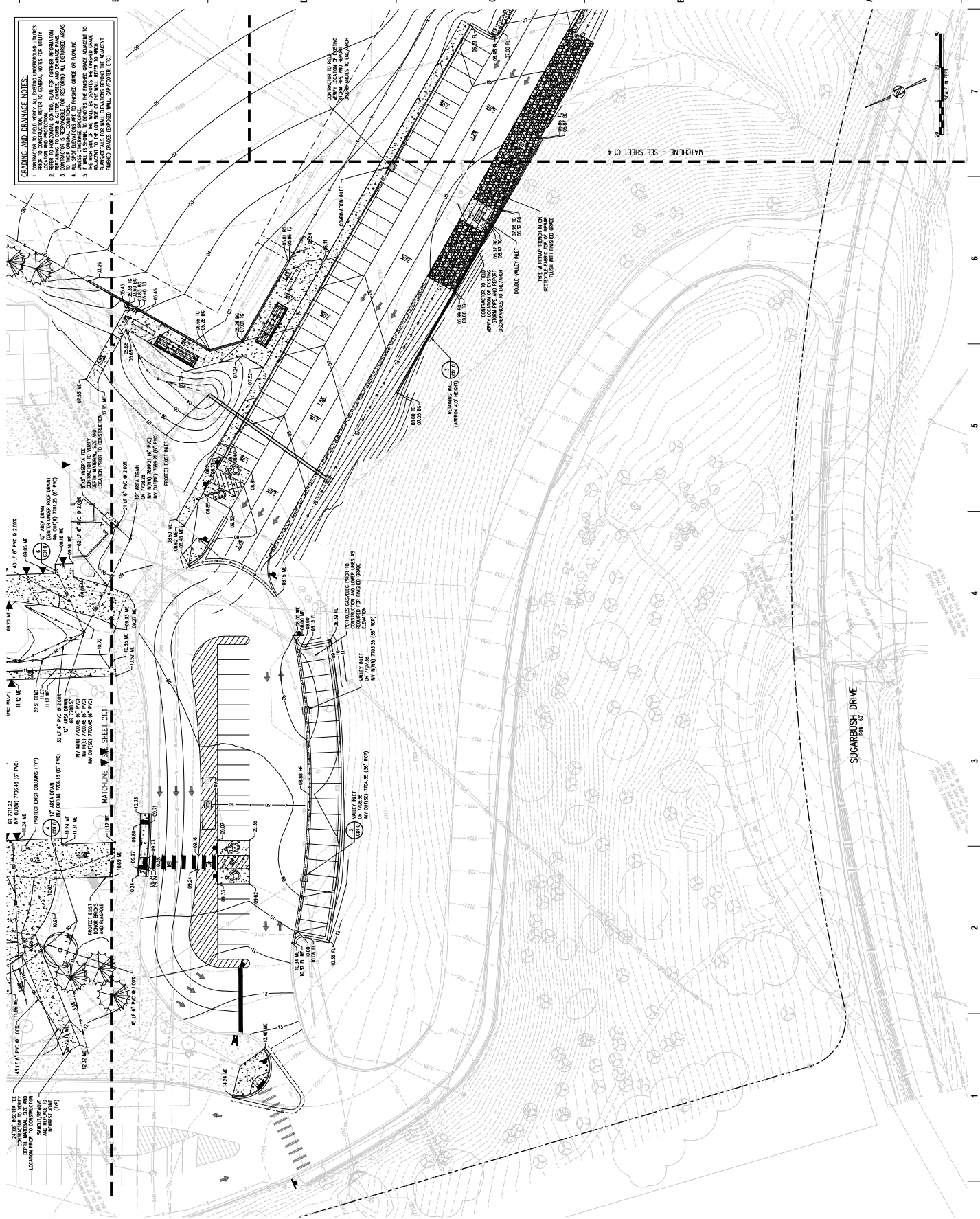


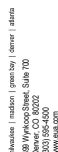
PROJECT MANAGER	JC
PROJECT NUMBER	822808-01

DETAILED GRADING AND DRAINAGE PLAN

C1.3

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Bergen Valley
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06/11/2023	DESIGN DEVELOPMENT - REVISED
07/31/2023	100% - CONSTRUCTION DOCUMENTS

SHEET INFORMATION



PROJECT MANAGER	JC
PROJECT NUMBER	822808-01

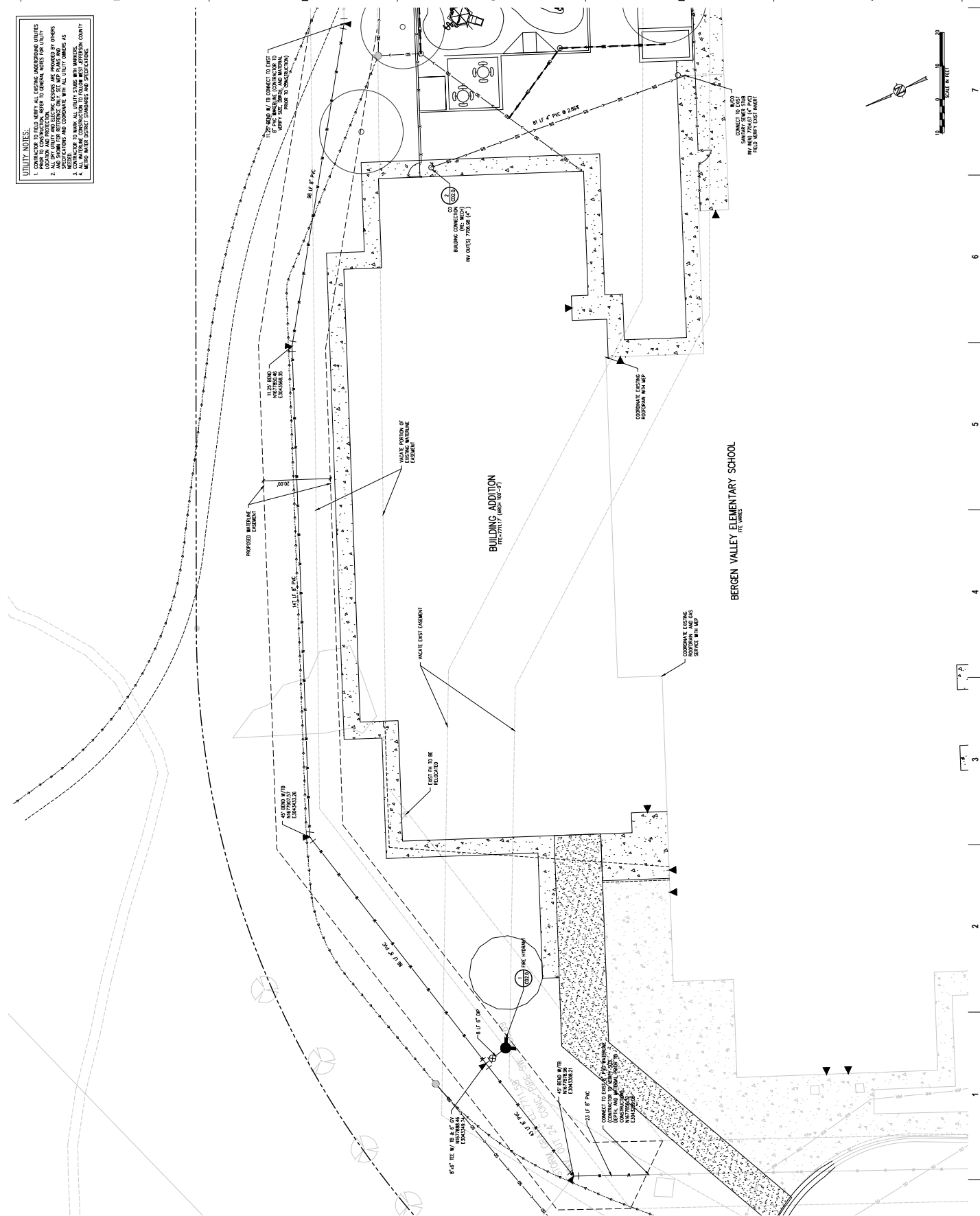
OVERALL UTILITY
SHEET

C2.0

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UTILITY NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. REFER TO GENERAL NOTES FOR UTILITY PROTECTION.
2. ALL DRY UTILITY AND ELECTRIC DESIGNS ARE PROVIDED BY OTHERS AND SHOWN FOR REFERENCE ONLY. SEE MEP PLANS AND SPECIFICATIONS AND COORDINATE WITH ALL UTILITY OWNERS AS NEEDED.
3. CONTRACTOR TO MARK ALL UTILITY STUDS WITH WARNERS.
4. ALL WATERLINE CONSTRUCTION TO FOLLOW WEST JEFFERSON COUNTY WATER DISTRICT STANDARDS AND SPECIFICATIONS.



FILE NO. 10-11 - 1002/86-7440-00-41-00-00000000000000000000



Infrastructure | Industrial | Specialty | General | Marine
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PROJECT INFORMATION

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Elementary School
Addition & Reno

D 1422 Sugarbush Dr.
Evergreen, CO 80439

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
1/20/2022	DATE OF ISSUE
1/20/2022	DATE OF REVISION
1/20/2022	DATE OF REVISION
1/20/2022	DATE OF REVISION

KEY PLAN

SHEET INFORMATION

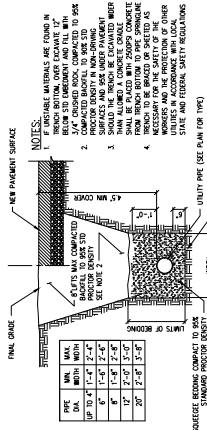


PROJECT MANAGER
PROJECT NUMBER
82208201

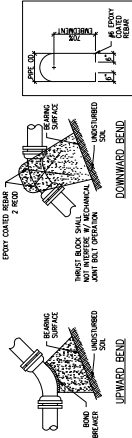
UTILITY DETAILS

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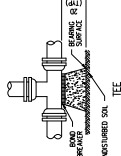


SANITARY SEWER & WATER PIPE BEDDING DETAIL 1.25.1



SANITARY SEWER & WATER PIPE BEDDING DETAIL 1.25.2

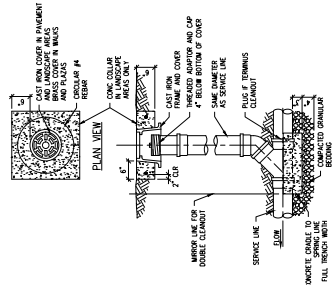
11-1/4", 22-1/2", 45" & 90" BENDS



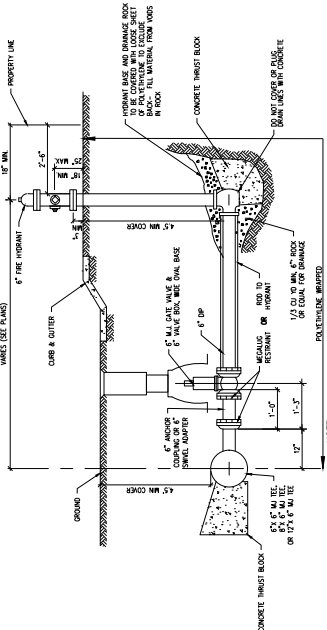
SIZE	THrust (lb)	Surface Area (sq ft)	Conc. Vol. (cu yd)
4"	150	1.1	0.02
6"	300	1.0	0.02
8"	450	1.0	0.02
10"	600	1.0	0.02
12"	750	1.0	0.02
14"	900	1.0	0.02
16"	1050	1.0	0.02
18"	1200	1.0	0.02
20"	1350	1.0	0.02
22"	1500	1.0	0.02
24"	1650	1.0	0.02
26"	1800	1.0	0.02
28"	1950	1.0	0.02
30"	2100	1.0	0.02
32"	2250	1.0	0.02
34"	2400	1.0	0.02
36"	2550	1.0	0.02
38"	2700	1.0	0.02
40"	2850	1.0	0.02
42"	3000	1.0	0.02
44"	3150	1.0	0.02
46"	3300	1.0	0.02
48"	3450	1.0	0.02
50"	3600	1.0	0.02
52"	3750	1.0	0.02
54"	3900	1.0	0.02
56"	4050	1.0	0.02
58"	4200	1.0	0.02
60"	4350	1.0	0.02
62"	4500	1.0	0.02
64"	4650	1.0	0.02
66"	4800	1.0	0.02
68"	4950	1.0	0.02
70"	5100	1.0	0.02
72"	5250	1.0	0.02
74"	5400	1.0	0.02
76"	5550	1.0	0.02
78"	5700	1.0	0.02
80"	5850	1.0	0.02
82"	6000	1.0	0.02
84"	6150	1.0	0.02
86"	6300	1.0	0.02
88"	6450	1.0	0.02
90"	6600	1.0	0.02

MINIMUM BEARING SURFACE AREA (IN SQUARE FEET)

CONCRETE THRUST BLOCK DETAIL 1.25.7



SANITARY CLEANOUT DETAIL 1.25.4



FIRE HYDRANT ASSEMBLY DETAIL 1.25.5



Infrastructure | Industrial | Greenway | General | Marine
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ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/05/2021	FOR PRELIMINARY REVIEW
04/05/2021	FOR PRELIMINARY REVIEW
05/05/2021	FOR PRELIMINARY REVIEW
06/05/2021	FOR PRELIMINARY REVIEW

KEY PLAN

SHEET INFORMATION



PROJECT MANAGER
PROJECT NUMBER
82200401

OVERALL
HORIZONTAL
CONTROL PLAN

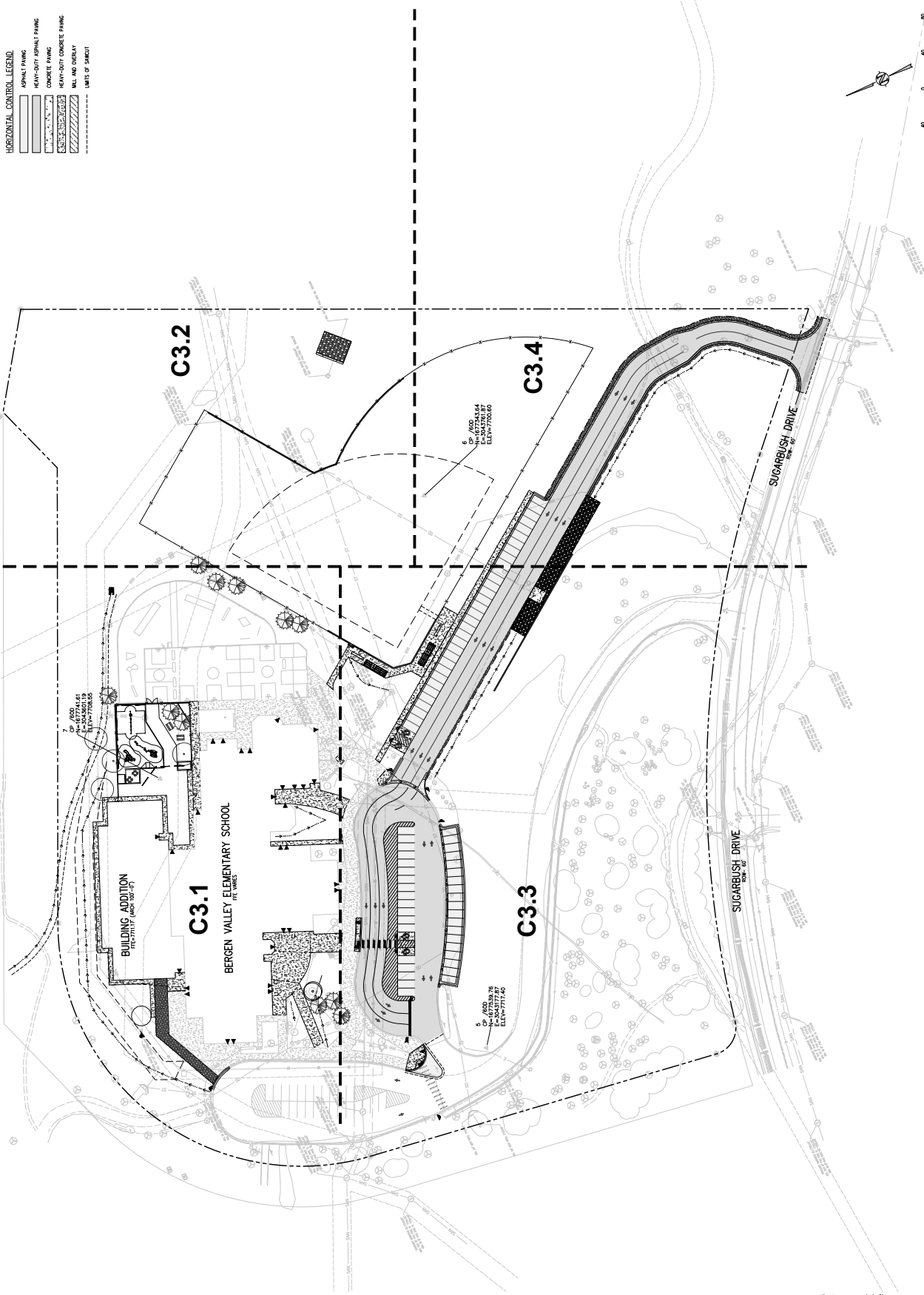
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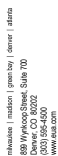
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HORIZONTAL CONTROL NOTES:
1. ALL DIMENSIONS AND AREA ARE TO FACE OF CURB, FACE OF
CONCRETE, OR FACE OF ASPHALT PAVING.
2. CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL
RELEVANT CITY, COUNTY, AND STATE REQUIREMENTS.
3. REFER TO GRADING AND DRAINAGE PLAN FOR DRAINAGE
INFORMATION.
4. REFER TO GRADING AND DRAINAGE PLAN FOR DRAINAGE
INFORMATION.
5. REFER TO GRADING AND DRAINAGE PLAN FOR DRAINAGE
INFORMATION.

HORIZONTAL CONTROL LEGEND

- ASPHALT PAVING
- HEAVY-DUTY ASPHALT PAVING
- CONCRETE PAVING
- HEAVY-DUTY CONCRETE PAVING
- RAIL AND OVERLAY
- LIMIT OF SHOULDER





midwest | madison | green bay | denver | atlanta
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KEY PLAN

SHEET INFORMATION



PROJECT MANAGER	JC
PROJECT NUMBER	822808-01

DETAILED HORIZONTAL CONTROL PLAN

C3.1

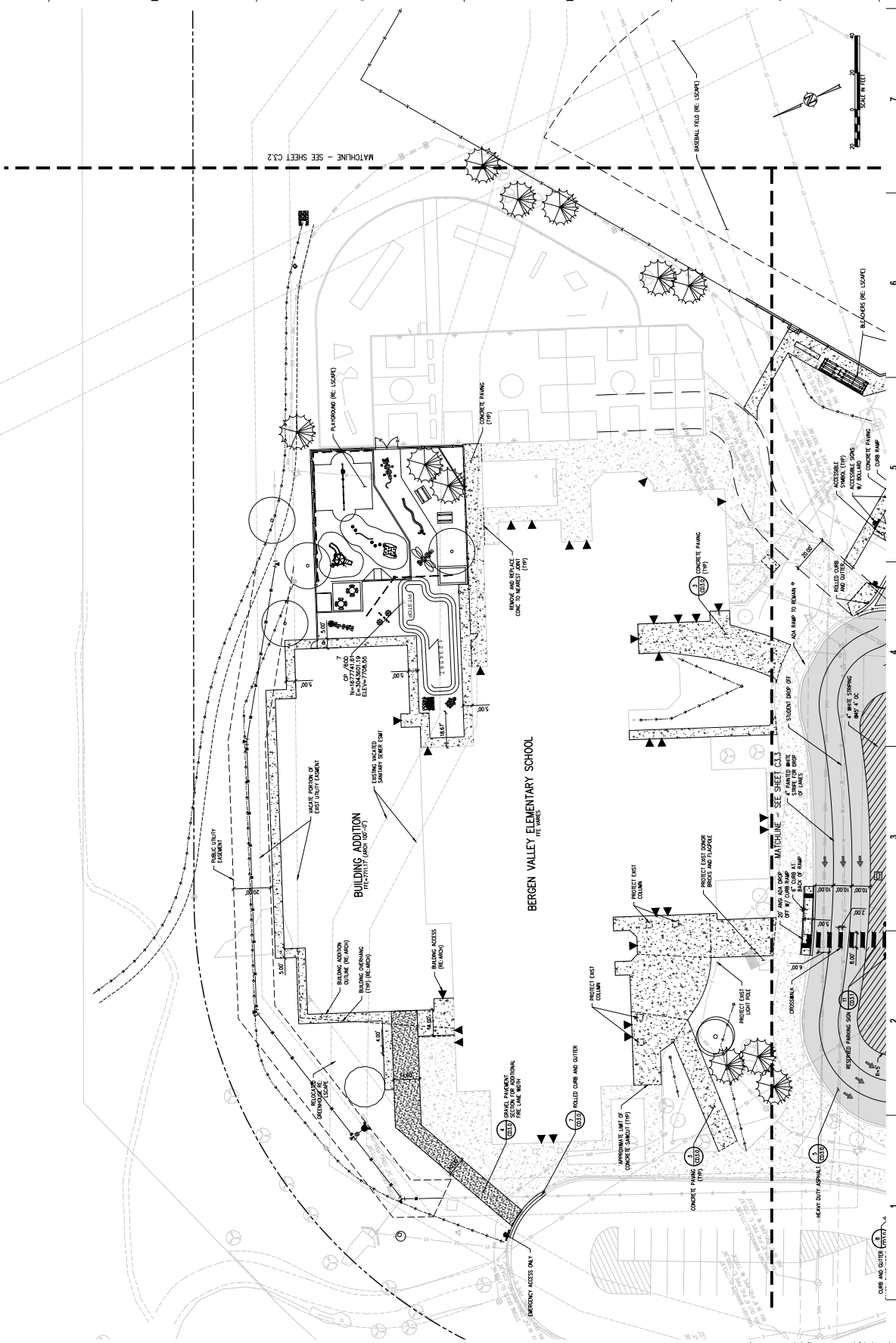
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HORIZONTAL CONTROL NOTES:

1. ALL DIMENSIONS AND RADII ARE TO FACE OF CURB, FACE OF BUILDING AND EDGE OF WALK UNLESS OTHERWISE NOTED.
2. CONTRACTOR TO REPAIR/REPLACE ALL DAMAGE TO EXISTING FLATWORK OR SITE FEATURES NOT INTENDED FOR DEMOLITION.
3. REFER TO GRADING AND DRAINAGE PLAN FOR FURTHER INFORMATION PERTAINING TO CURB & GUTTER CHANGES AND DRAINAGE PLANS.

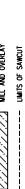
HORIZONTAL CONTROL LEGEND

- | | |
|--|----------------------------|
| | ASPHALT PAVING |
| | HEAVY-DUTY ASPHALT PAVING |
| | CONCRETE PAVING |
| | HEAVY-DUTY CONCRETE PAVING |
| | MILL AND OVERLAY |
| | LIMITS OF SAWCUT |





	HEAVY-DUTY ASPHALT PAVING
	CONCRETE PAVING
	HEAVY-DUTY CONCRETE PAVING

Bergen Valley
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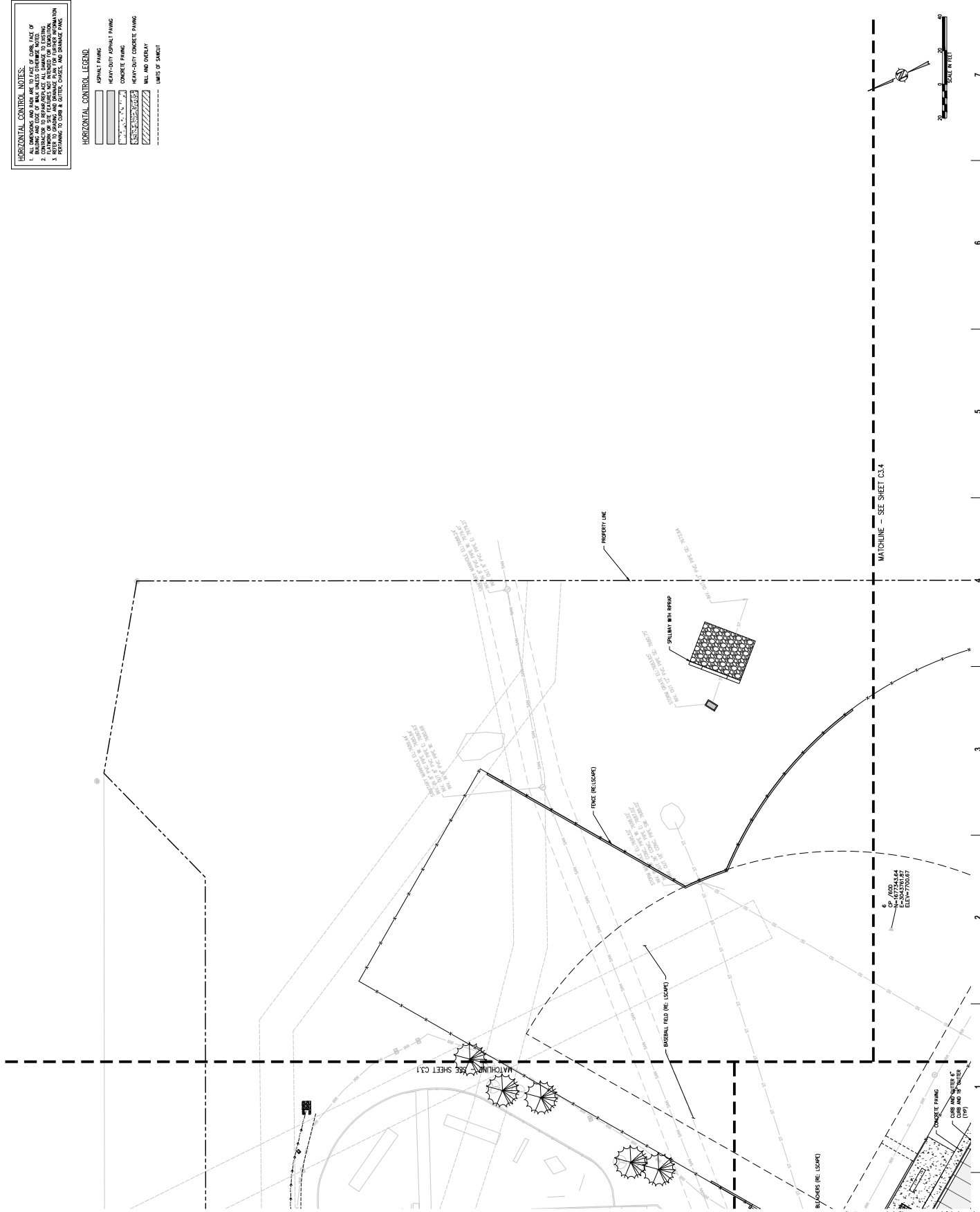
KEY PLAN



Colorado Licensed Professional Engineer Seal

DETAILED HORIZONTAL CONTROL PLAN

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Professional Engineer / Surveyor / Planner / Designer
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11/01/2023	FOR PRELIMINARY REVIEW
11/01/2023	FOR PRELIMINARY REVIEW

SHEET INFORMATION



PROJECT NUMBER
PROJECT NUMBER
82200401

DETAILED
HORIZONTAL
CONTROL PLAN

C3.3

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HORIZONTAL CONTROL NOTES:
1. ALL DIMENSIONS AND AREAS ARE TO FACE OF CURB, FACE OF
2. CONCRETE TO BE REPAIRED AT ALL DAMAGES TO EXISTING
3. REFER TO GRADING AND DRAINAGE PLANS FOR DRAINAGE INFORMATION
4. REFER TO GRADING AND DRAINAGE PLANS FOR DRAINAGE INFORMATION
5. REFER TO GRADING AND DRAINAGE PLANS FOR DRAINAGE INFORMATION

HORIZONTAL CONTROL LEGEND

- ASPHALT PAVING
- HEAVY-DUTY ASPHALT PAVING
- CONCRETE PAVING
- HEAVY-DUTY CONCRETE PAVING
- WALL AND DRIVEWAY
- WALLS OF DRIVEWAY

