





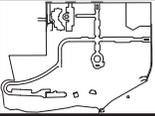








DESIGNED BY:	SR
DRAWN BY:	AMP
CHECKED BY:	CHM
JOB #:	262226
DATE:	01/15/2019
NO.	2
DATE	05/20/19
DESS	DB
TWN	
TECHNICAL DOCUMENT SIGHTPLAN #10	
REVISION DESCRIPTION	



THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE., BOULDER, CO 80303  
 OVERALL EROSION CONTROL PLAN

SHEET NO.  
**CE1.0**

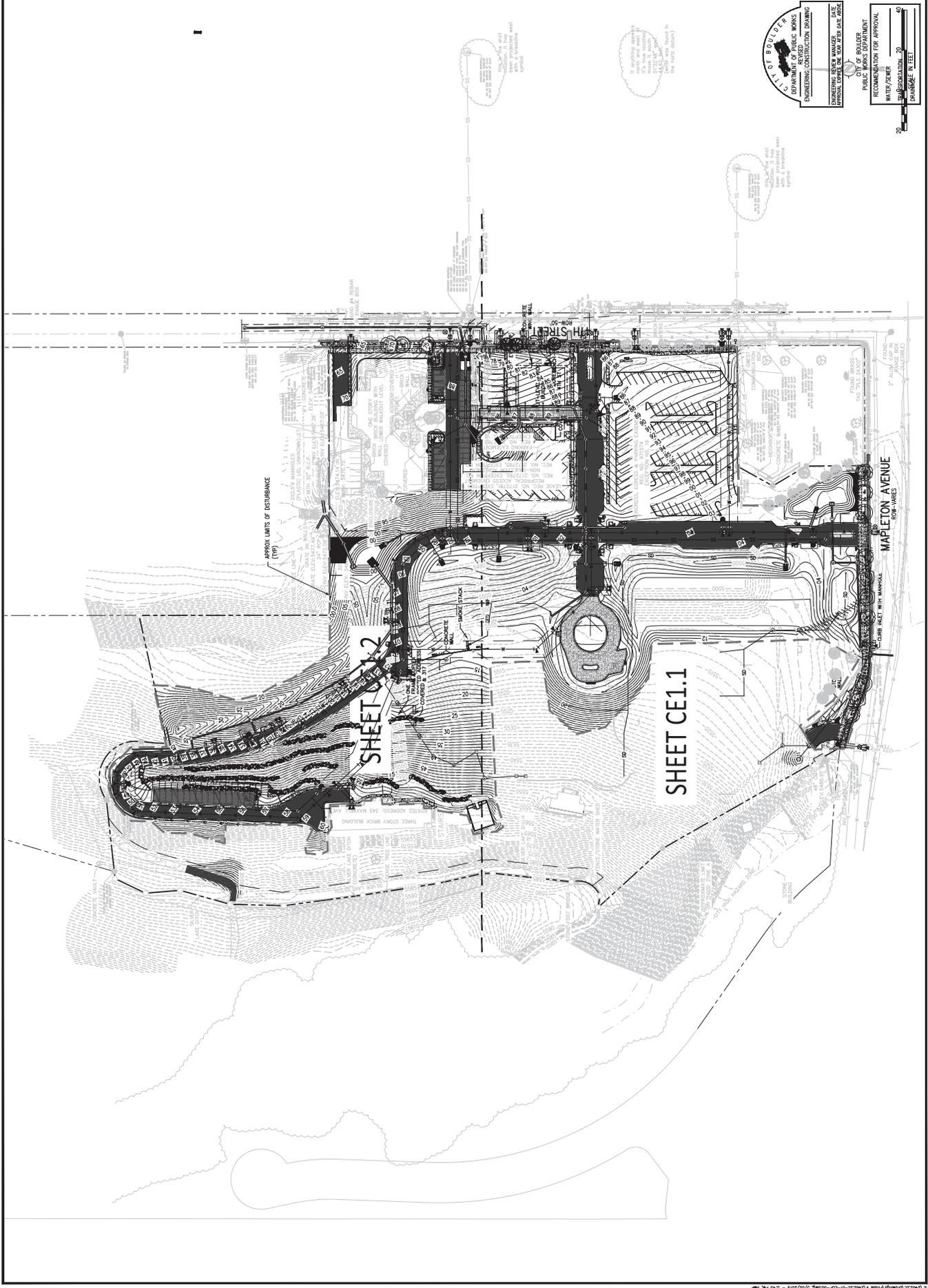
**CITY OF BOULDER**  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING CONSTRUCTION DIVISION

ENGINEERING REVIEW MANAGER: [Signature] DATE: [Blank]  
 PUBLIC WORKS DEPARTMENT APPROVAL: [Signature] DATE: [Blank]  
 WATER/SEWER MANAGER: [Signature] DATE: [Blank]

RECOMMENDATION FOR APPROVAL: [Signature] DATE: [Blank]

SCALE: 1" = 20'

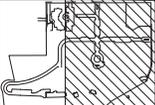
GRAPHIC SCALE: 0 20 40 FEET





pcs group inc.

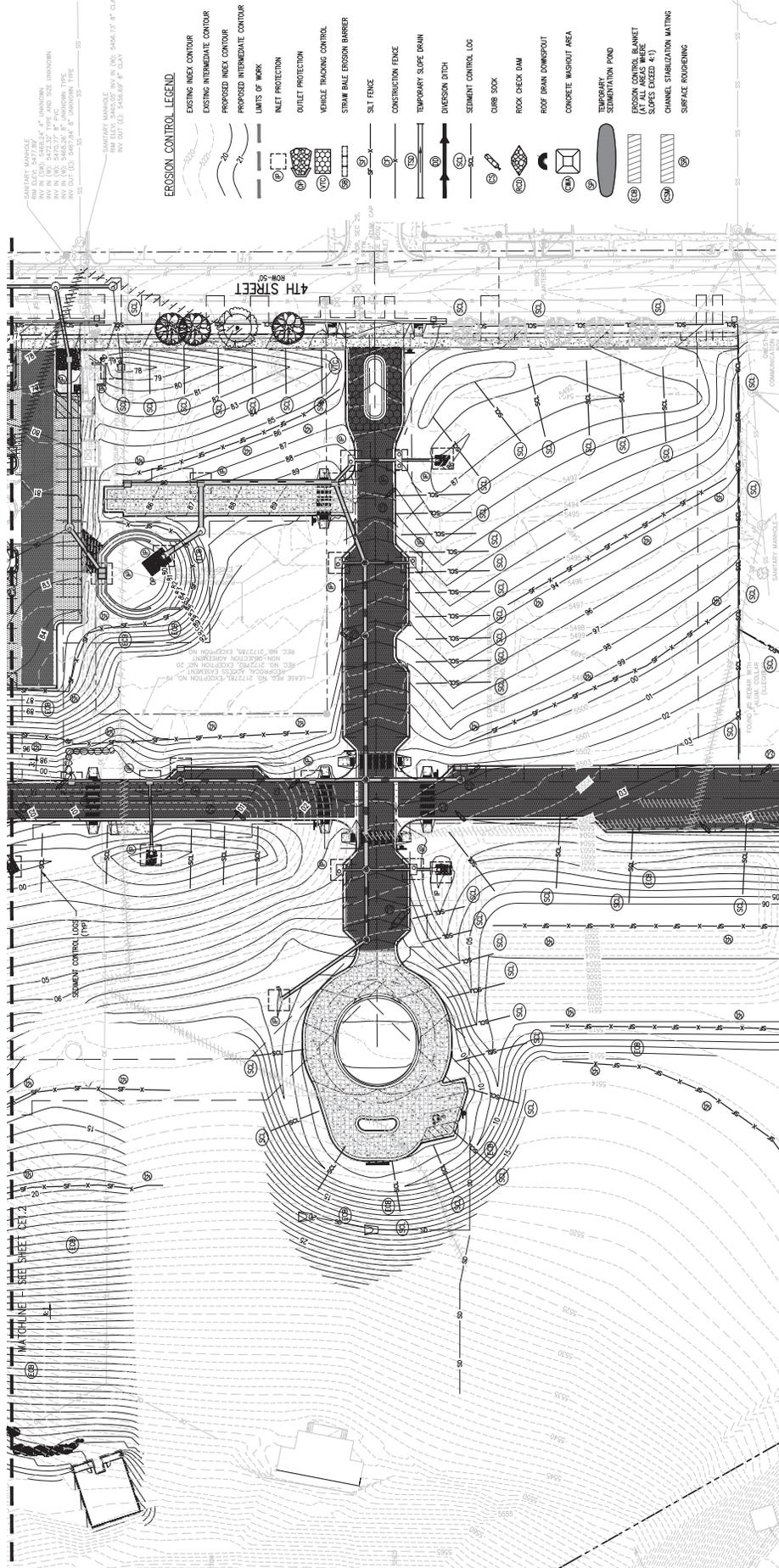
NO.	DATE	BY	CHK	DESCRIPTION
2	09/20/18	DM	DVM	TECHNICAL DOCUMENT SIGNOFF
1				REVISION DESCRIPTION



DESIGNED BY: SB  
 DRAWN BY: AMP  
 CHECKED BY: CSM  
 JOB #:  
 DATE: 01/15/2019

THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE., BOULDER, CO 80303  
 SOUTH  
 DETAILED EROSION CONTROL PLAN -

SHEET NO. CE1.1



**EROSION CONTROL LEGEND**

- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- LIMITS OF WORK
- INLET PROTECTION
- VEHICLE TRACKING CONTROL
- STREAM BALE EROSION BARRIER
- SILT FENCE
- CONSTRUCTION FENCE
- TEMPORARY SLOPE DRAIN
- DIVERSION DITCH
- SEDIMENT CONTROL LOG
- CURB SOOK
- ROCK CHECK DAM
- ROOF DRAIN DOWNSPOUT
- CONCRETE WASHOUT AREA
- TEMPORARY SEDIMENTATION POND
- EROSION CONTROL INLET (AT ALL SLOPES WHERE SLOPES EXCEED 4:1)
- CHANNEL STABILIZATION MATING
- SURFACE ROUGHENING

**EROSION AND SEDIMENTATION NOTES:**

- ALL CONTROLS SHALL BE INSTALLED WITHIN THE PROPERTY LINES CONTIGUOUS TO THE EXISTING EROSION CONTROL MEASURES. ALL CONTROLS SHALL BE INSTALLED WITHIN THE PROPERTY LINES CONTIGUOUS TO THE EXISTING EROSION CONTROL MEASURES. ALL CONTROLS SHALL BE INSTALLED WITHIN THE PROPERTY LINES CONTIGUOUS TO THE EXISTING EROSION CONTROL MEASURES.
- ALL CONTROLS SHALL BE INSTALLED WITHIN THE PROPERTY LINES CONTIGUOUS TO THE EXISTING EROSION CONTROL MEASURES. ALL CONTROLS SHALL BE INSTALLED WITHIN THE PROPERTY LINES CONTIGUOUS TO THE EXISTING EROSION CONTROL MEASURES.
- MODIFICATIONS TO THIS PLAN BY THE CONTRACTOR ARE REQUIRED DURING CONSTRUCTION.

SEAL OF PROFESSIONAL ENGINEER

ENGINEERING REVIEW MANAGER: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SEPARATION OF PUBLIC WORKS: \_\_\_\_\_  
 ENGINEERING CONSTRUCTION DRAWING: \_\_\_\_\_

CITY OF BOULDER  
 RECOMMENDATION FOR APPROVAL: \_\_\_\_\_  
 WATER/SEWER: \_\_\_\_\_  
 TRANSPORTATION: \_\_\_\_\_  
 PLANNING: \_\_\_\_\_











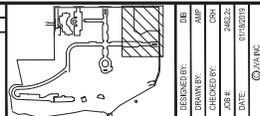




**PCS GROUP INC.**  
 15151 S. 151st Avenue, Suite 100  
 Aurora, CO 80012  
 Tel: 303.741.1100  
 www.pcsgr.com

NO.	DATE	DESCRIPTION
1	06/02/2018	DESIGN
2	06/02/2018	DESIGN

TECHNICAL DOCUMENT SUBMITTAL NO. 1  
 REVISION DESCRIPTION



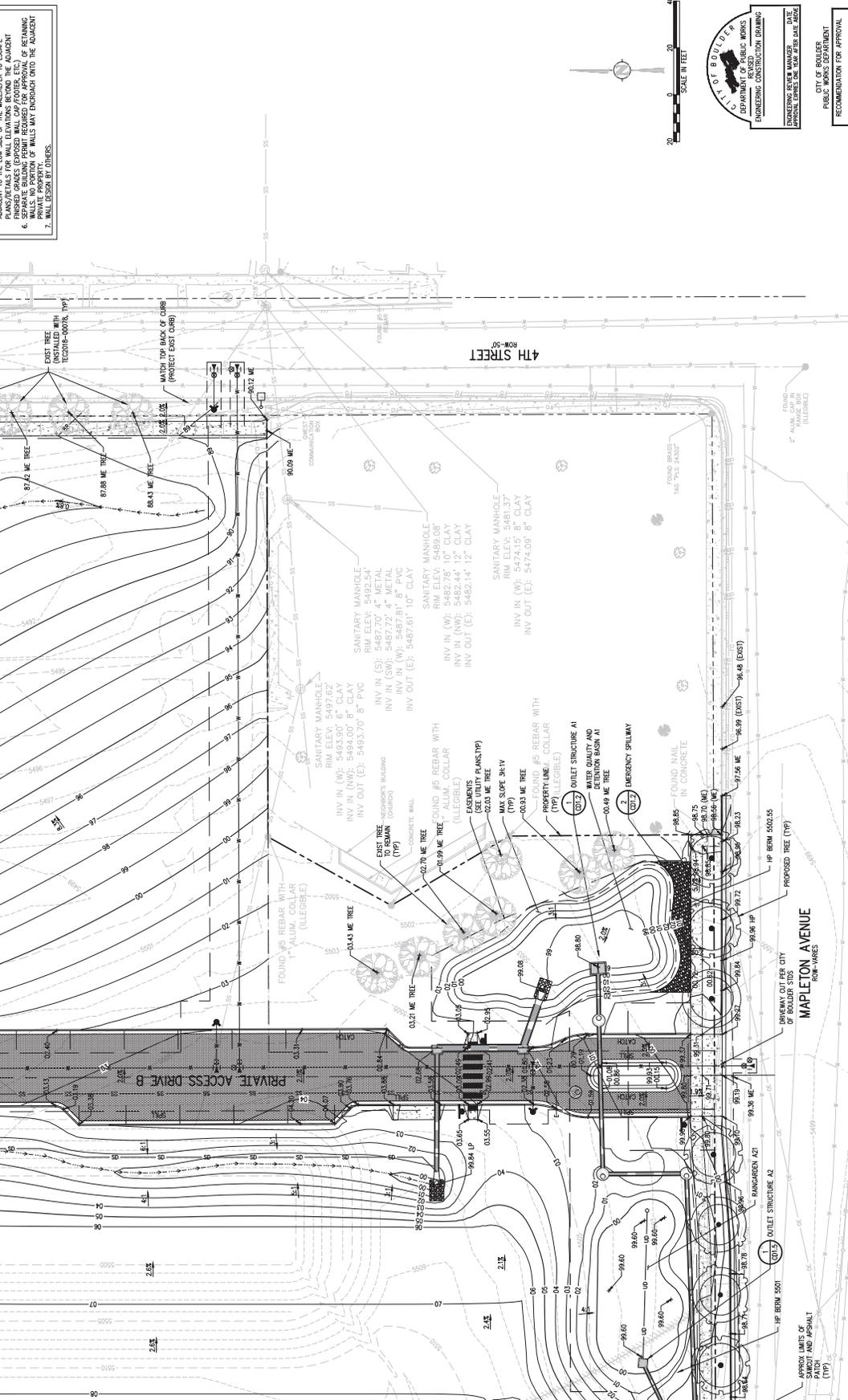
**THE ACADEMY AT MAPLETON HILL**  
**INFRASTRUCTURE PACKAGE**  
**311 MAPLETON AVE., BOULDER, CO 80303**

**DETAILED GRADING AND DRAINAGE PLAN**

DESIGNED BY: JAM  
 DRAWN BY: JAM  
 CHECKED BY: JAM  
 DATE: 01/28/2018

SHEET NO. **C1.1**

- GRADING AND DRAINAGE NOTES:**
1. ALL ELEVATIONS UNLESS OTHERWISE INDICATED ARE IN FEET.
  2. LOCATION AND PROTECTION NOTES: PLAN FOR FURTHER INFORMATION PRIOR TO CONSTRUCTION. REFER TO GENERAL NOTES FOR UTILITY PROTECTION.
  3. PERFORMING TO CURB & GUTTER, CHASES, AND DRAINAGE PANS, TO THEIR ORIGINAL CONDITIONS.
  4. ALL SPOT ELEVATIONS ARE TO FINISHED GRADE OR FINISHED GRADE TO BE MAINTAINED.
  5. IF WALL IS SHOWN, TO DENOTES THE FINISHED GRADE ADJACENT TO THE WALL. THE WALL IS TO BE CONSTRUCTED TO THE FINISHED GRADE.
  6. SEPARATE SLOPES ARE SHOWN FOR EACH SIDE OF THE WALL. WALLS NO PORTION OF WALLS MAY ENOUGH INTO THE ADJACENT PROPERTY.
  7. WALL DESIGN BY OTHERS.



CITY OF BOULDER  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING CONSTRUCTION DIVISION

CITY OF BOULDER  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 WATER/SEWER  
 TRANSPORTATION  
 DRAINAGE

ENGINEERING REVIEW MANAGER  
 ENGINEERING SUPERVISOR  
 ORIGINAL ISSUE DATE: 01/28/2018





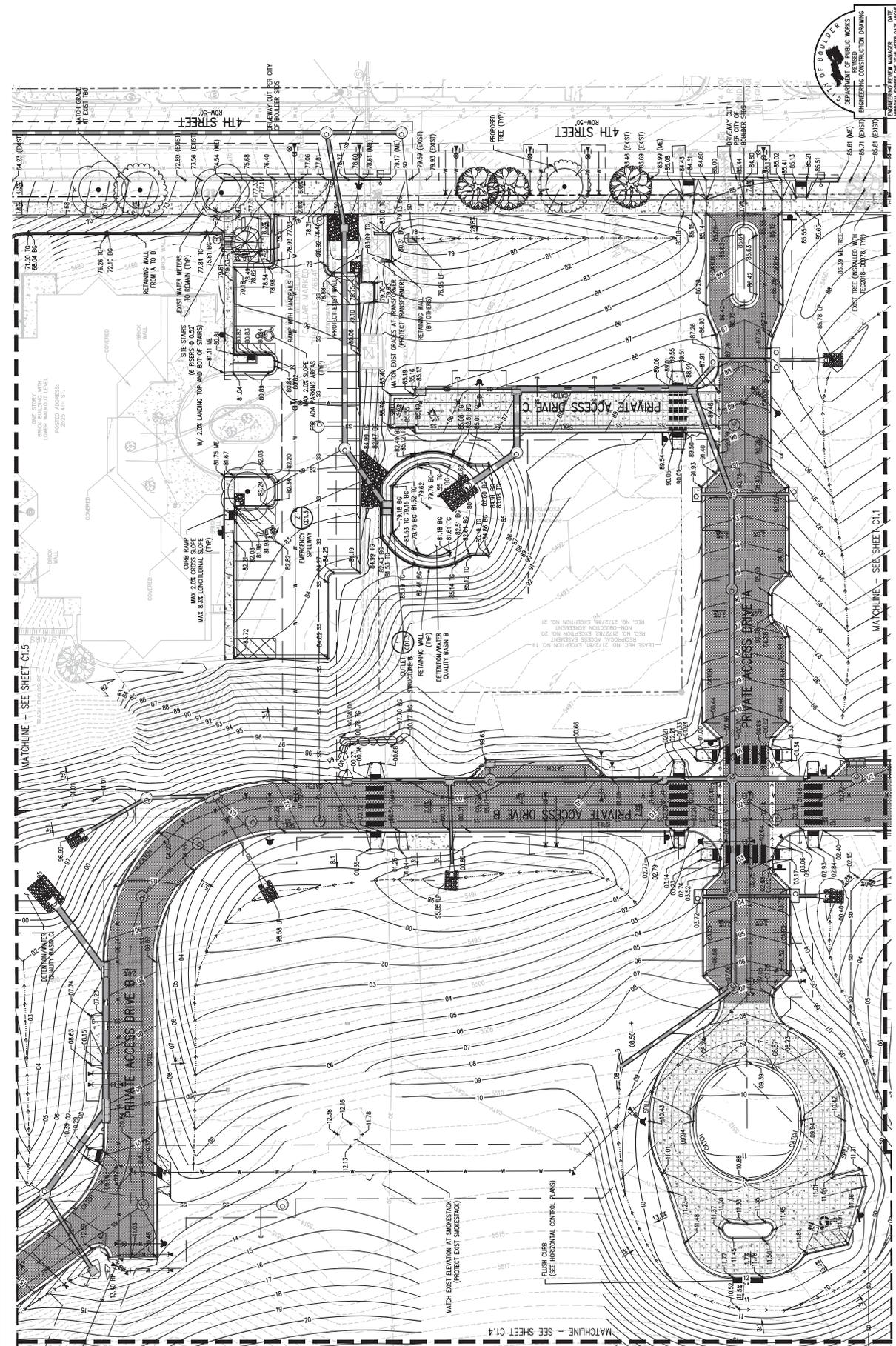
pcs group inc.  
 1400 N. 143rd Avenue, Suite 100  
 Denver, Colorado 80242  
 Phone: 303.755.1100  
 Fax: 303.755.1101  
 www.pcsgr.com

NO.	DATE	DESCRIPTION
1	06/09/2011	ISSUED FOR PERMITS
2	06/09/2011	REVISIONS

DESIGNED BY:	DATE:
DRAWN BY:	CHECKED BY:
DATE:	DATE:

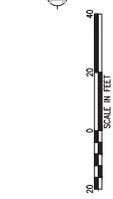
THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE., BOULDER, CO 80303  
 DETAILED GRADING AND  
 DRAINAGE PLAN

SHEET NO. C1.3



CITY OF BOULDER  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 WATER USER  
 TRANSPORTATION  
 DRAINAGE

DATE: 06/09/2011  
 TIME: 10:00 AM



- 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. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES AND AGENCIES TO THE BOULDER COUNTY.
  3. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES AND AGENCIES TO THE BOULDER COUNTY.
  4. ALL SPOT ELEVATIONS ARE TO FINISHED GRADE OR FINISH UNLESS OTHERWISE SPECIFIED.
  5. FINISHED GRADE ELEVATIONS ARE TO BE SHOWN AS FINISHED GRADE UNLESS OTHERWISE SPECIFIED.
  6. SEPARATE BUILDING PERMIT REQUIRED FOR APPROVAL OF RETAINING WALLS. NO PORTION OF RETAINING WALLS MAY ENDOUR ONTO THE ADJACENT PRIVATE PROPERTY.
  7. WALL DESIGN BY OTHERS.

MATCHLINE - SEE SHEET C1.2

MATCHLINE - SEE SHEET C1.4

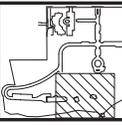
MATCHLINE - SEE SHEET C1.1



pci group inc.

NO.	DATE	DESCRIPTION	BY	CHKD
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2	05/08/2018	REVISED	CB	CB

TECHNICAL DOCUMENT SUBMITTAL NO. 103

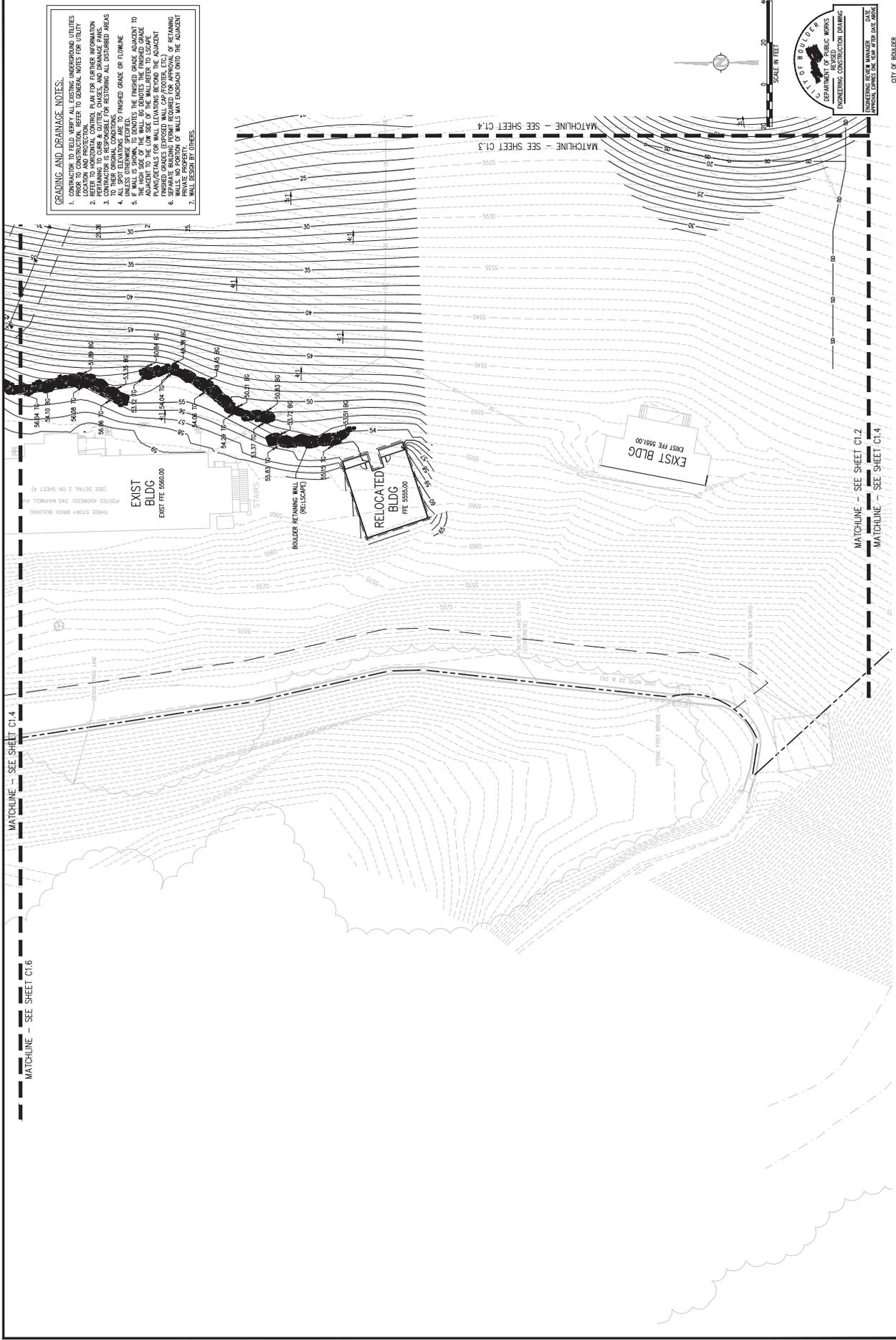


DESIGNED BY	CB
DRAWN BY	CB
CHECKED BY	CB
DATE	05/08/2018

THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE., BOULDER, CO 80303  
 DETAILED GRADING AND  
 DRAINAGE PLAN

SHEET NO. C1.4

- GRADING AND DRAINAGE NOTES:**
- CONTRACTOR TO FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. REFER TO GENERAL NOTES FOR UTILITY INFORMATION.
  - REFER TO HORIZONTAL CONTROL PLAN FOR FURTHER INFORMATION PERTAINING TO CURB & GUTTER, CHASSES, AND DRAINAGE PANS.
  - CONTRACTOR TO VERIFY ALL EXISTING AND PROPOSED AREAS TO THEIR ORIGINAL CONDITIONS.
  - UNLESS OTHERWISE SPECIFIED, FINISHED GRADE OR FINISH GRADE SHALL BE AS SHOWN.
  - IF WALL IS SHOWN TO BENTONITE, THE FINISHED GRADE ADJACENT TO THE BENTONITE SHALL BE AS SHOWN. THE WALL SHALL BE ADJACENT TO THE LOW SIDE OF THE WALL REFER TO LS/AE PLANS/DETAILS FOR WALL ELEVATIONS BEYOND THE ADJACENT BENTONITE.
  - SEPARATE BUILDING PERMIT REQUIRED FOR APPROVAL OF RETAINING WALLS. PROVISION OF WALLS MAY ENOUGH ON TO THE ADJACENT WALL DESIGN BY OTHERS.



CITY OF BOULDER  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING CONSTRUCTION TRAINING  
 DATE: \_\_\_\_\_  
 RECOMMENDATION FOR APPROVAL:  
 WATER/SEWER \_\_\_\_\_  
 TRANSPORTATION \_\_\_\_\_  
 DRAINAGE \_\_\_\_\_

MATCHLINE - SEE SHEET C1.4

MATCHLINE - SEE SHEET C1.6

MATCHLINE - SEE SHEET C1.3

MATCHLINE - SEE SHEET C1.4

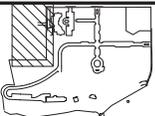
MATCHLINE - SEE SHEET C1.2

MATCHLINE - SEE SHEET C1.4



pcs group inc.

NO.	DATE	DESCRIPTION
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2	06/05/2018	TECHNICAL DOCUMENT SUBMITTAL #03

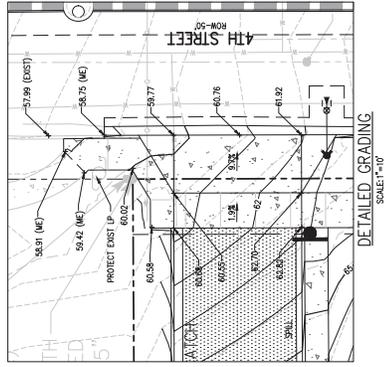


DESIGNED BY:	DR
DRAWN BY:	JMP
CHECKED BY:	CRK
DATE:	01/19/2018

THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE., BOULDER, CO 80303  
 DETAILED GRADING AND  
 DRAINAGE PLAN

SHEET NO. C1.5

- GRADING AND DRAINAGE NOTES:**
- CONTRACTOR TO FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. REFER TO GENERAL NOTES FOR UTILITY LOCATIONS AND DEPT. RECORDS.
  - REFER TO HORIZONTAL CONTROL PLAN FOR FURTHER INFORMATION PERTAINING TO CURB & GUTTER, CHASES, AND DRAINAGE PANS.
  - CONTRACTOR TO VERIFY ALL EXISTING AND PROPOSED AREAS TO THEIR ORIGINAL CONDITIONS.
  - UNLESS OTHERWISE SPECIFIED, FINISHED GRADE OR FINISH 5% IF WALL IS SHOWN. TO INDICATE THE FINISHED GRADE ADJACENT TO PLANS/DETAILS FOR WALL ELEVATIONS BEYOND THE ADJACENT WALL, FINISHED GRADE SHALL BE THE FINISHED GRADE ADJACENT TO PRIVATE PROPERTY.
  - WALL DESIGN BY OTHERS.



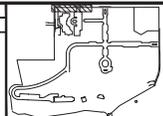




**pcc group inc.**  
 1515 Larimer Street, Suite 200  
 Denver, CO 80202  
 Tel: 303.733.8800  
 Fax: 303.733.8801  
 www.pccgroup.com

NO.	DATE	DESC	DRAWN	CHKD	APP'D
1	06/02/18	DB	TMM		
2	06/02/18	DB	TMM		

TECHNICAL DOCUMENT SUBMITTAL NO. 1  
 REVISION DESCRIPTION



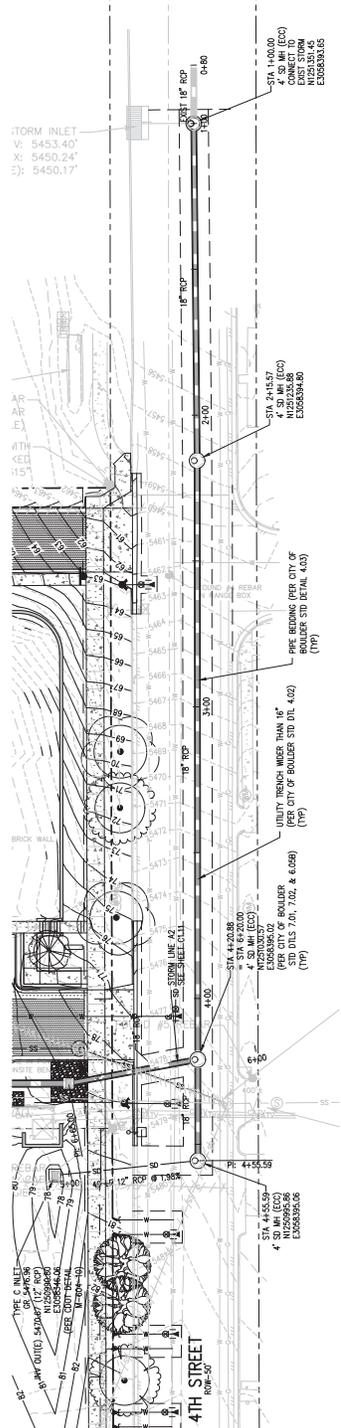
DESIGNED BY:	DB
DRAWN BY:	TMM
CHECKED BY:	CRM
DATE:	01/18/2018

**STORM PLAN AND PROFILE**  
 311 MAPLETON AVE, BOULDER, CO 80303  
 THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 TRANSPORTATION

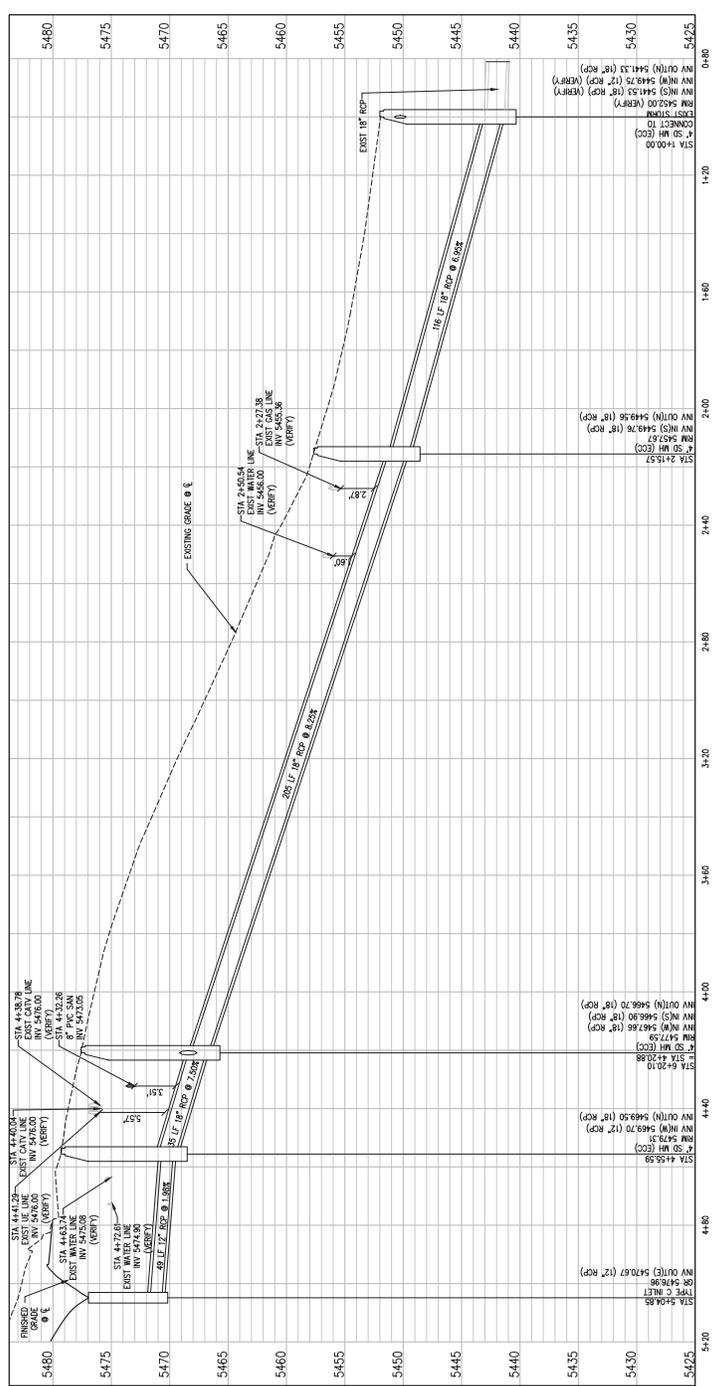
SHEET NO. **C1.7**



CITY OF BOULDER  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 ENGINEERING REVIEW MANAGER  
 DEPARTMENT REVIEWED  
 ENGINEERING CONSTRUCTION DIVISION  
 ORIGINAL EXPIRES ON: 10/01/2018



**STORM A PLAN**



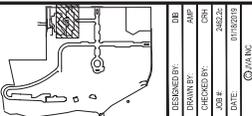
**STORM A PROFILE**

SCALE: 1\"/>



pcs group inc.

NO.	DATE	DESC	BY	CHKD	APP	REVISION/DESCRIPTION
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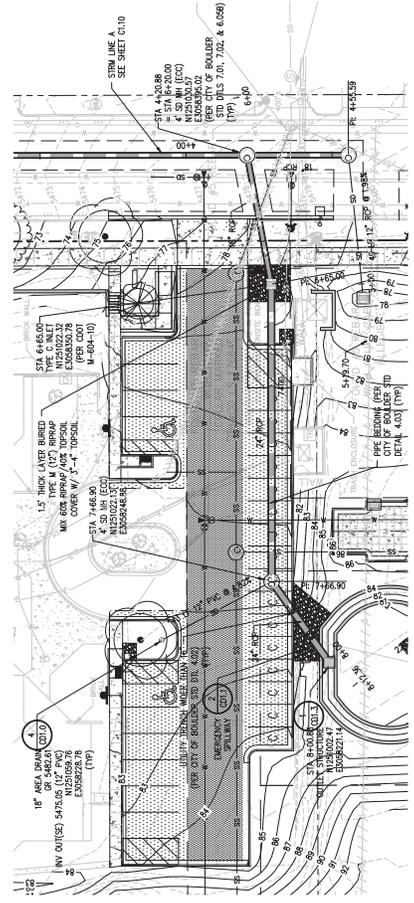


THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE, BOULDER, CO 80303  
 STORM PLAN AND PROFILE

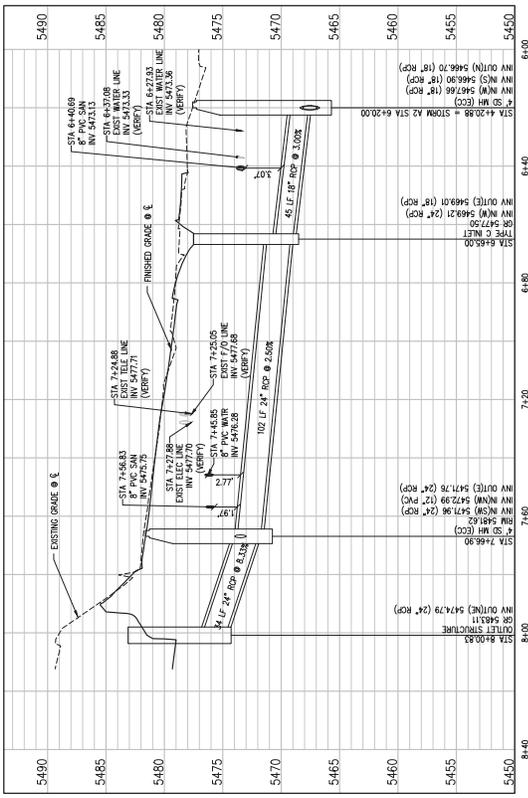
SHEET NO. C1.8



CITY OF BOULDER  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 WATER/SEWER  
 TRANSPORTATION  
 DRAINAGE



STORM A2 PLAN



STORM A2 PROFILE  
 SCALE: 1"=20' HORIZ  
 1"=5' VERT



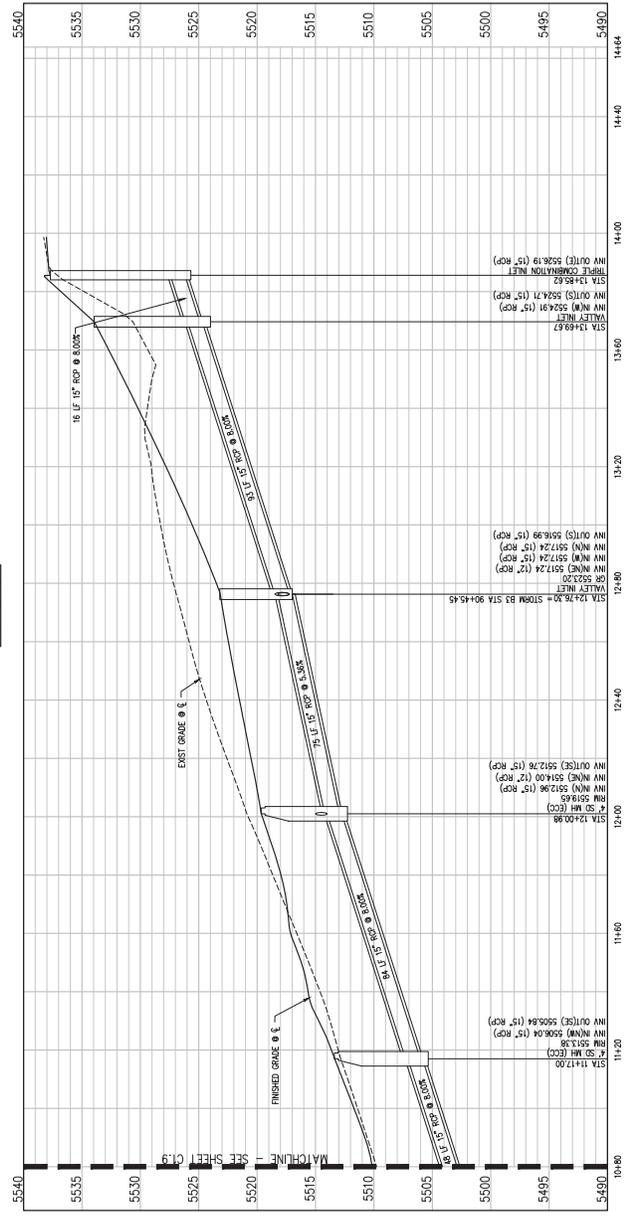
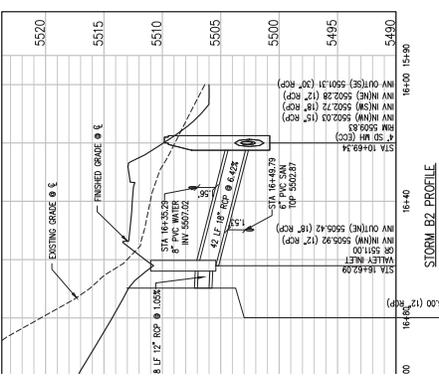
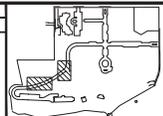
CITY OF BOULDER  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL

ENGINEERING REVIEW MANAGER  
 ENGINEERING REVIEWER  
 ENGINEERING CONSTRUCTION DRAINING  
 CITY OF BOULDER  
 DEPARTMENT OF PUBLIC WORKS

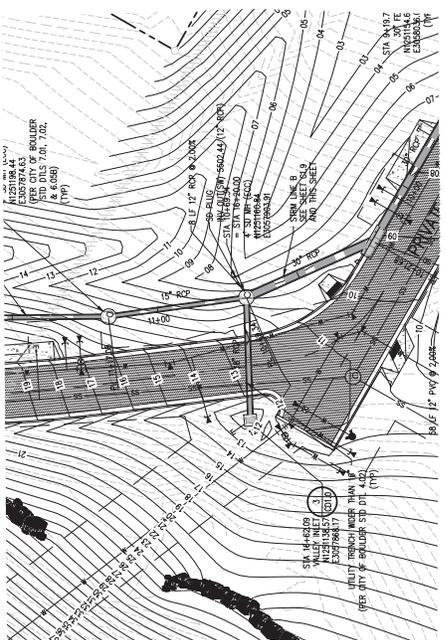
THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE, BOULDER, CO 80303

STORM PLAN AND PROFILE

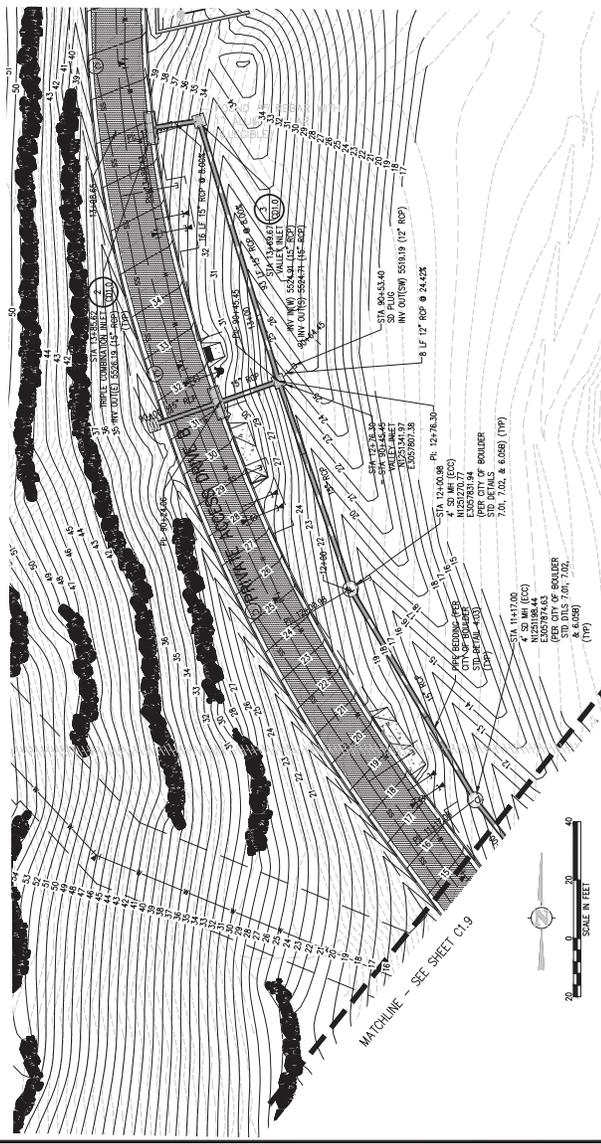
DESIGNED BY:	DB
DRAWN BY:	JAM
CHECKED BY:	CRN
DATE:	01/28/2019



STORM B2 PLAN



STORM B PLAN



pcsi group inc.  
 1500 N. 155th Street, Suite 100  
 Denver, CO 80242  
 www.pcsi.com

NO.	DATE	DESC	BY
1	06/02/2018	DB	TWY
2	06/02/2018	DB	TWY

TECHNICAL DOCUMENT SUBMITTAL M.D.  
 REVISION DESCRIPTION







pcs group inc.  
 1515 S. 15th Street, Suite 100  
 Denver, CO 80202  
 Phone: 303.733.1111  
 Fax: 303.733.1112  
 Email: info@pcsgr.com

NO.	DATE	DESC	BY	CHKD	APPV	REVISION/DESCRIPTION
1	06/02/2011	08	TMM			TECHNICAL DOCUMENT SUBMITTAL NO. 3

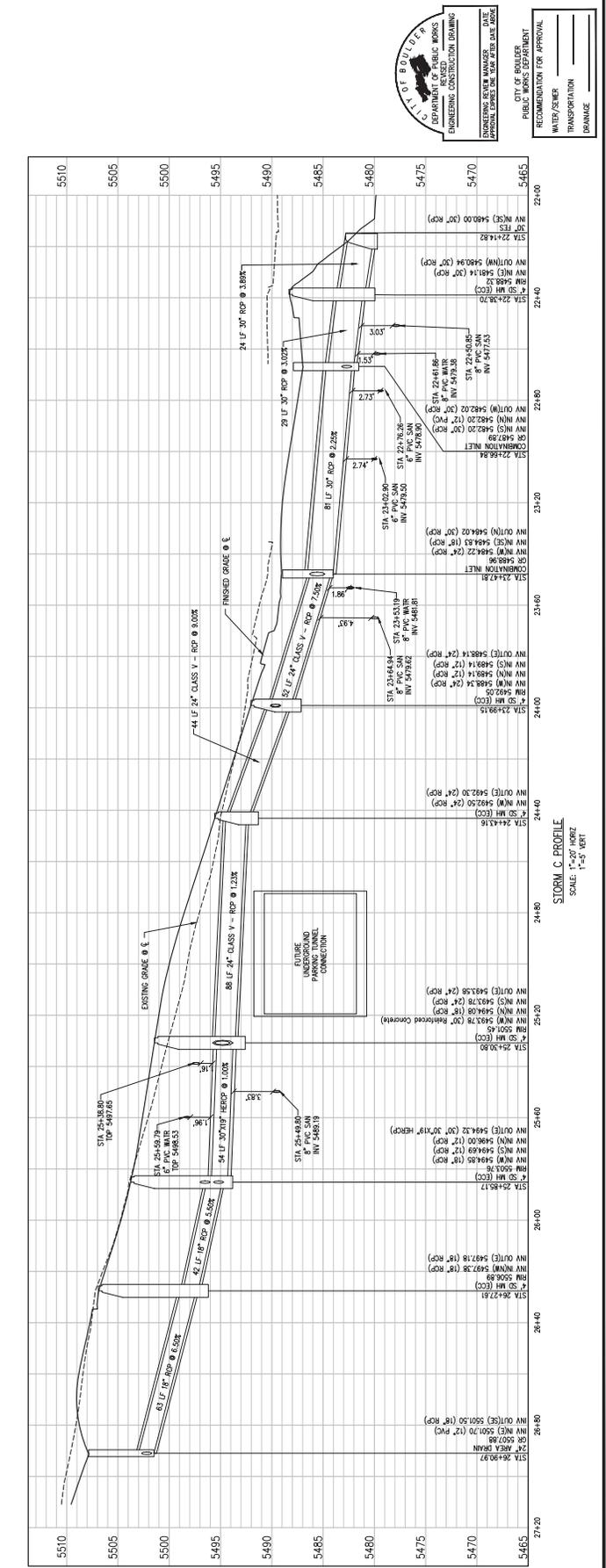
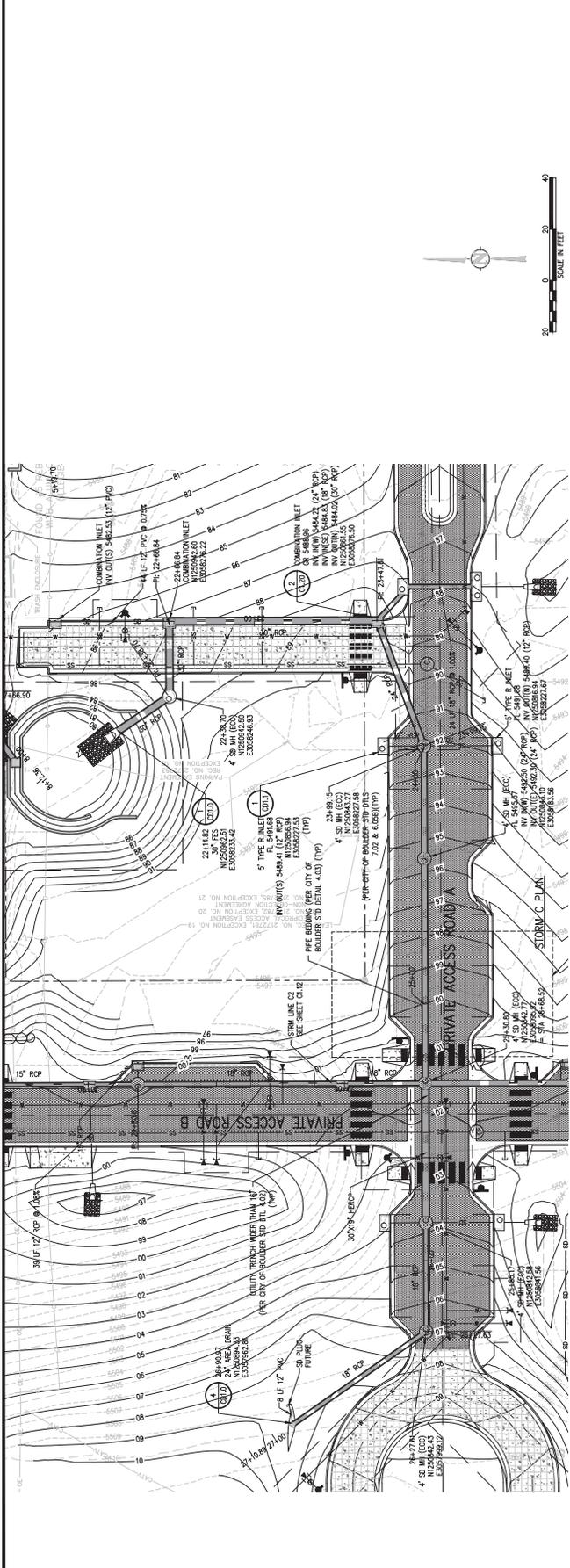
DESIGNED BY:	DR
DRAWN BY:	JAM
CHECKED BY:	CRN
DATE:	01/12/2012

THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE, BOULDER, CO 80303  
 STORM PLAN AND PROFILE

SHEET NO.  
**C1.12**



CITY OF BOULDER  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING CONSTRUCTION DIVISION  
 ENGINEERING REVIEW MANAGER  
 APPROVAL EXPIRES 30 DAYS FROM DATE ABOVE



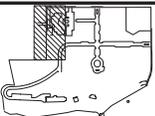
STORM C PROFILE  
 SCALE: 1"=20' HORIZ  
 1"=5' VERT





pcs group inc.

NO.	DATE	DESC	BY	CHKD	REVISION DESCRIPTION
1	06/02/2018	DB	TWV	JAM	TECHNICAL DOCUMENT SUBMITTAL MGS
2	06/02/2018	DB	TWV	JAM	



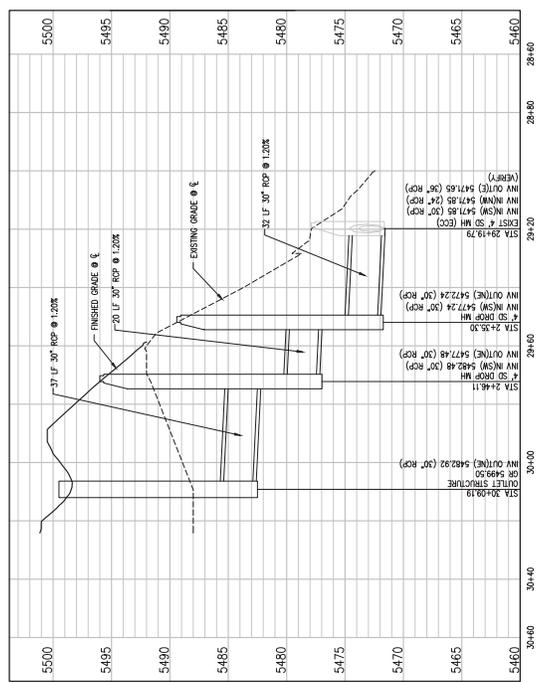
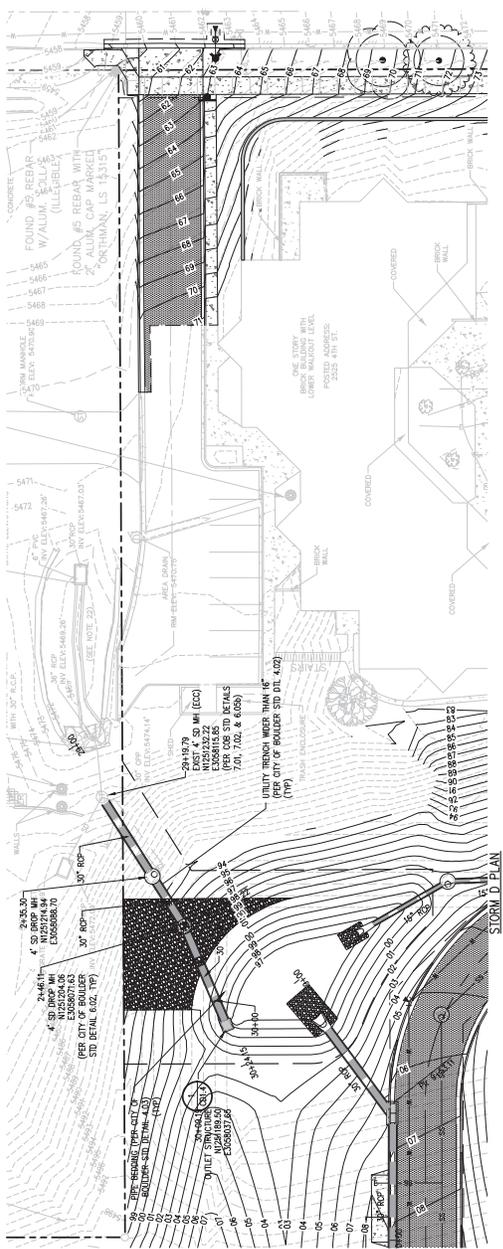
DESIGNED BY:	DB
DRAWN BY:	JAM
CHECKED BY:	JAM
DATE:	01/19/2018

THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE, BOULDER, CO 80303  
 STORM PLAN AND PROFILE

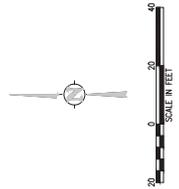
SHEET NO. C1.14



CITY OF BOULDER  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING CONSTRUCTION DIVISION  
 ENGINEERING REVIEW MANAGER  
 RECOMMENDATION FOR APPROVAL  
 WATER/SEWER  
 TRANSPORTATION  
 DRAINAGE



STORM D PROFILE  
 SCALE: 1" = 20' VERT  
 1" = 30' HORIZ





pcs group inc.

NO.	DATE	DESC	BY	TWY
2	06/02/21	08	TWY	

TECHNICAL DOCUMENT SUBMITTAL AND REVISION DESCRIPTION

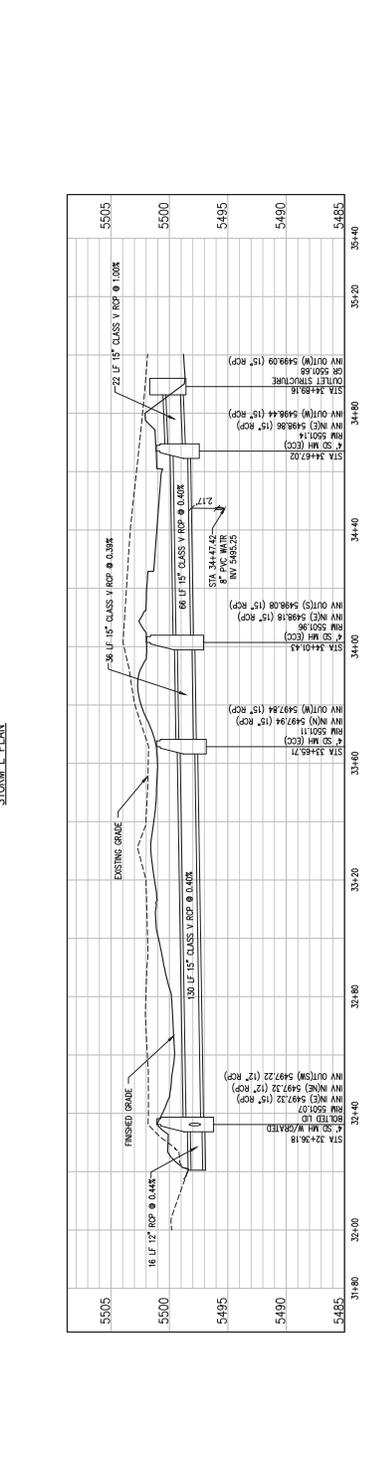
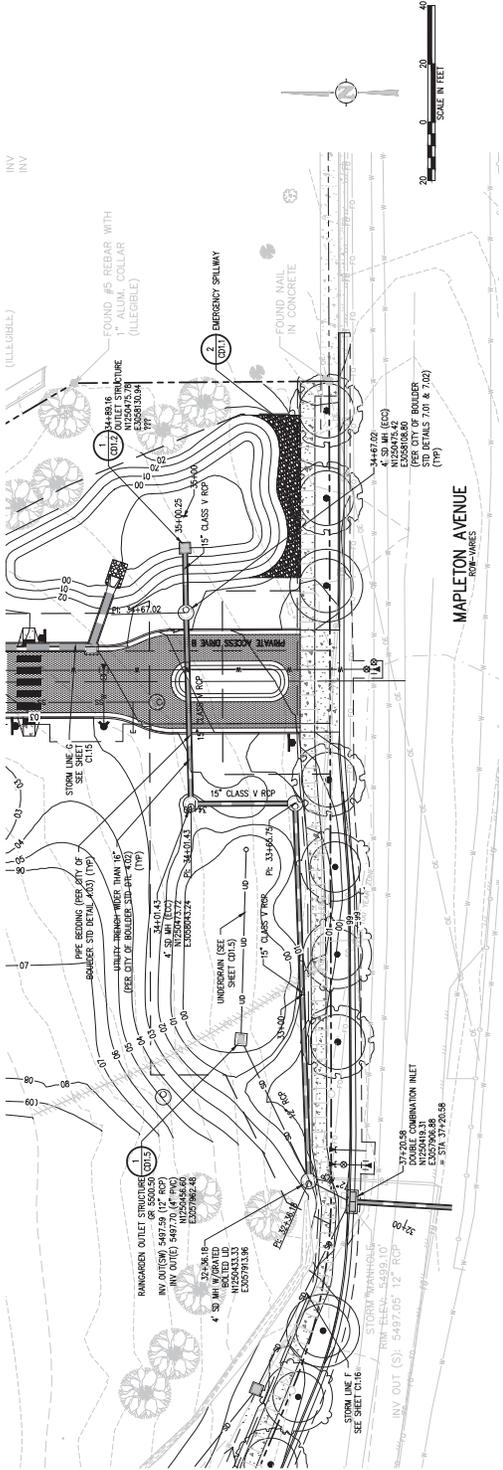
DESIGNED BY:	DR
DRAWN BY:	DR
CHECKED BY:	DR
DATE:	01/28/21

STORM PLAN AND PROFILE  
 311 MAPLETON AVE, BOULDER, CO 80303  
 THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE

SHEET NO. C1.15



CITY OF BOULDER  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 WATER/SEWER  
 TRANSPORTATION  
 DRAINAGE

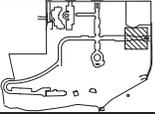


SCALE IN FEET



pcs group inc.

NO.	DATE	DESS	BY	CHKD	APP'D	REVISION DESCRIPTION
2	06/05/2018	DB	TMM			TECHNICAL DOCUMENT SUBMITTAL MGS

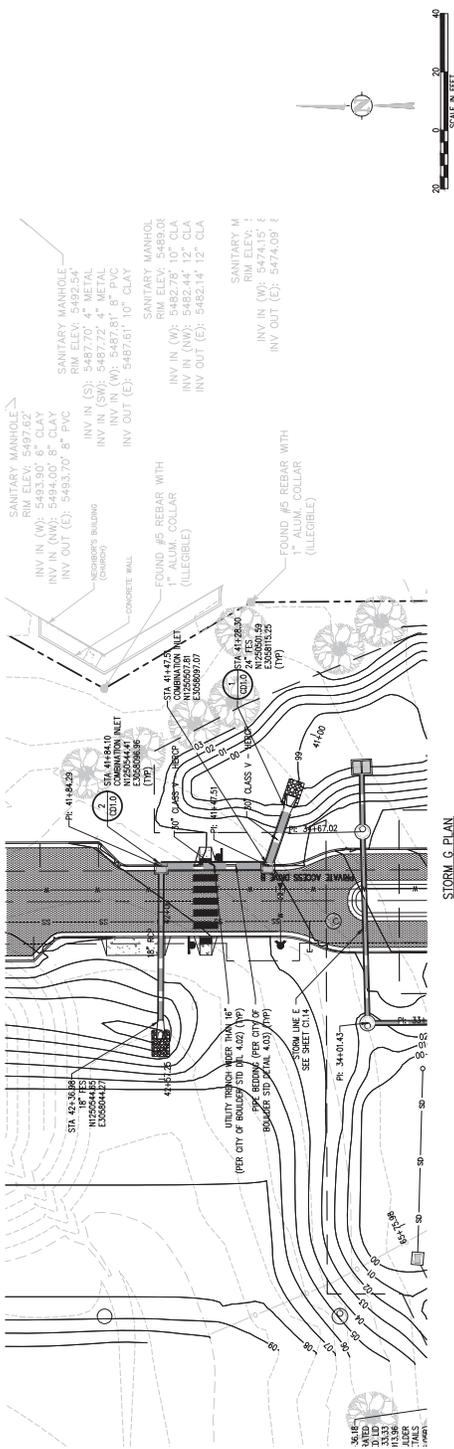


THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE., BOULDER, CO 80303  
 STORM PLAN AND PROFILE

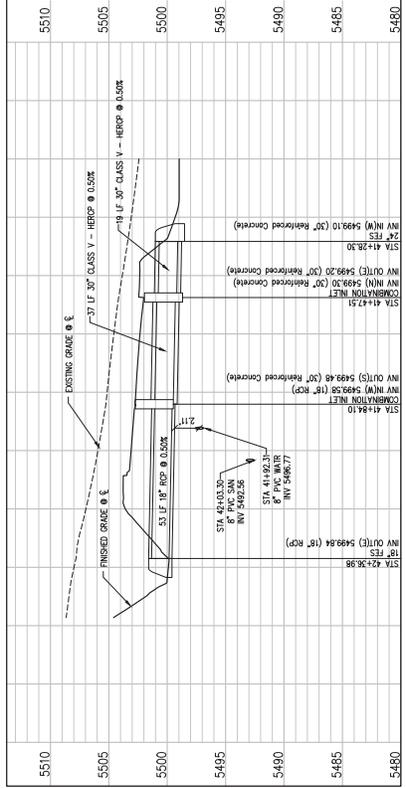
SHEET NO.  
 C1.16



CITY OF BOULDER  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 WATER/SEWER  
 TRANSPORTATION  
 DRAINAGE



STORM G PLAN



STORM G PROFILE  
 SCALE: 1"=20' HORIZ  
 1"=5' VERT





pcs group inc.

NO.	DATE	DESC	BY	TWY	REVISION DESCRIPTION
1	06/02/18	08	TWY		TECHNICAL DOCUMENT SUBMITTAL MFG



THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE., BOULDER, CO 80303

STORM PLAN AND PROFILE

DESIGNED BY: JRM  
 DRAWN BY: JRM  
 CHECKED BY: JRM  
 DATE: 01/20/18

SHEET NO.  
 C1.18

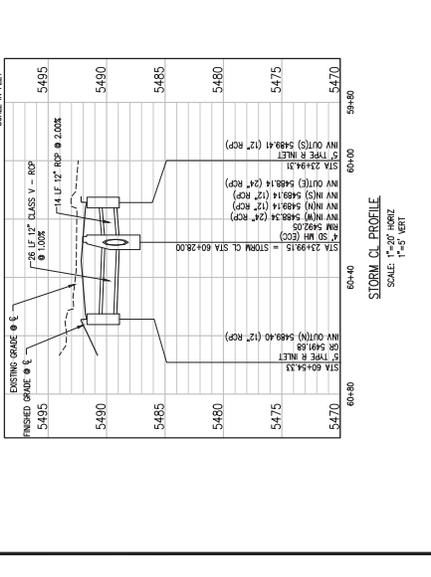
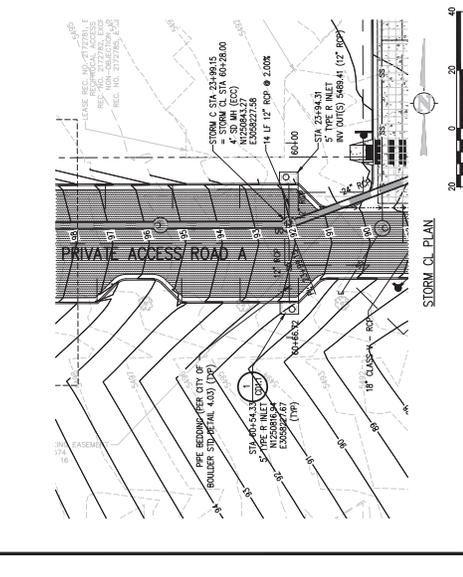
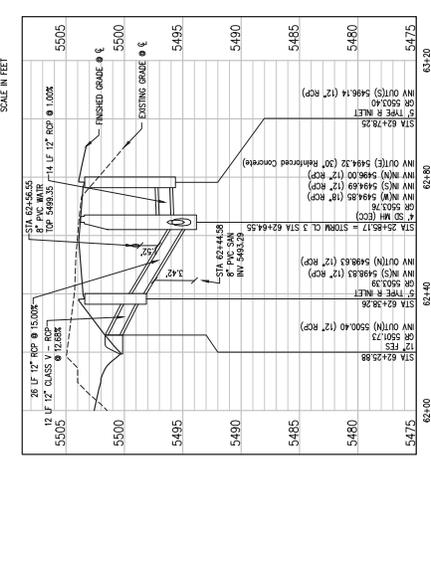
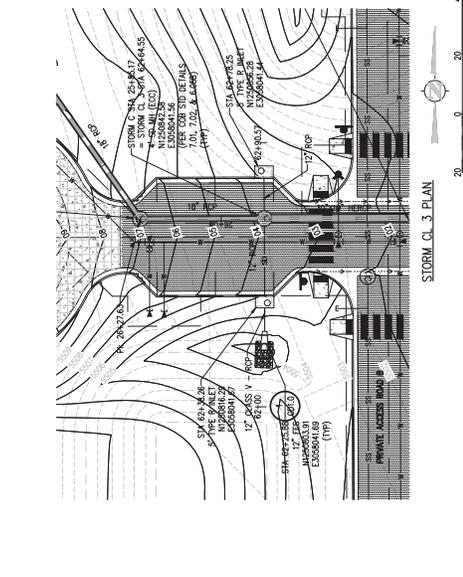
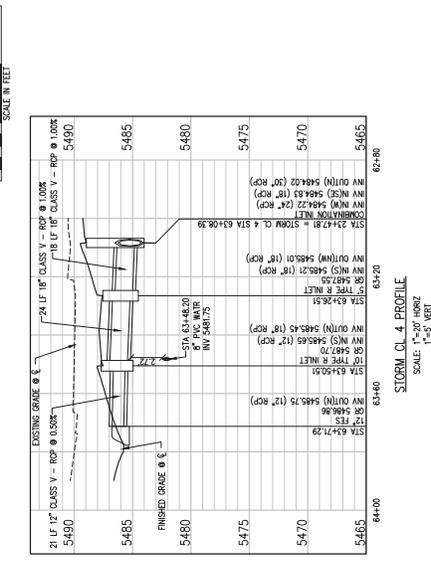
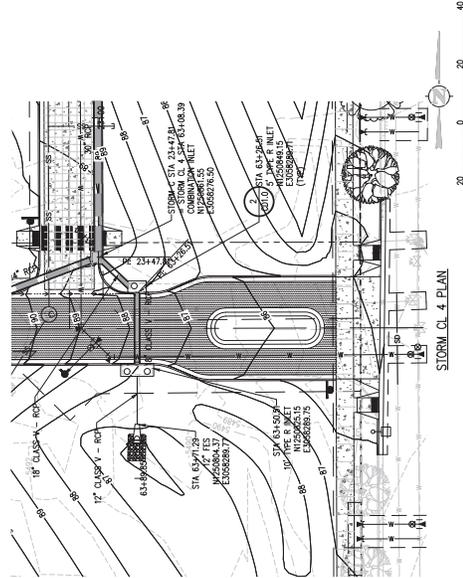
CITY OF BOULDER  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING CONSTRUCTION DIVISION

RECOMMENDATION FOR APPROVAL

WATER/SEWER  
 TRANSPORTATION  
 DRAINAGE

PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL

DATE: \_\_\_\_\_  
 TIME: \_\_\_\_\_





pcs group inc.

NO.	DATE	BY	CHKD.	APP.	DESCRIPTION
2	09/20/18	DB	DWM		TECHNICAL DOCUMENT SUBMITTAL

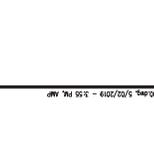
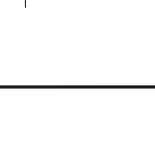
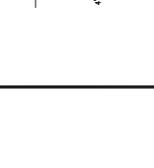
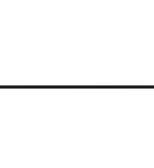
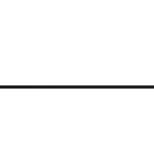
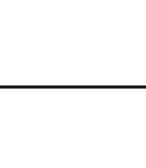
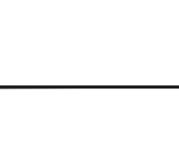
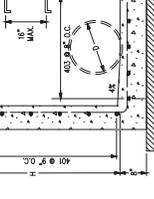
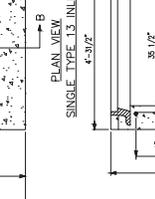
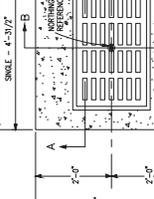
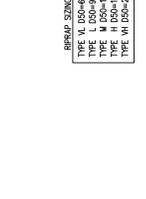
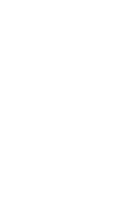
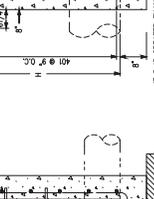
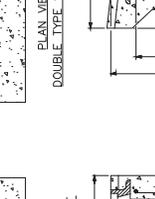
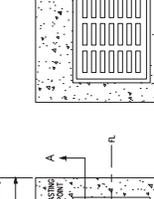
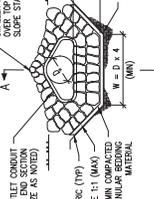
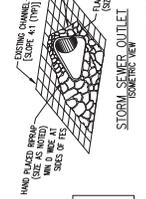
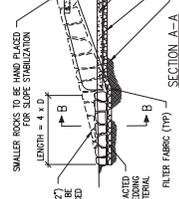
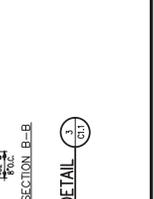
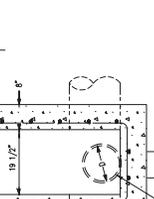
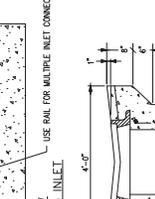
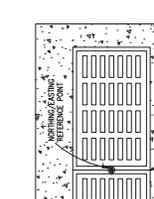
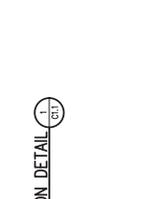
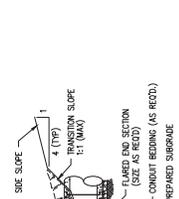
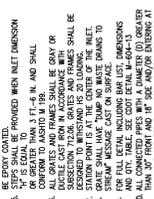
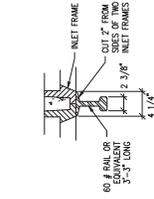
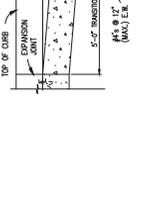
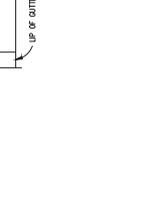
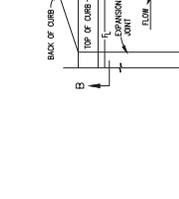
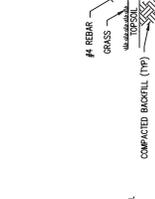
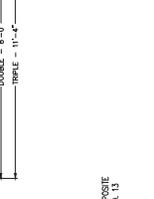
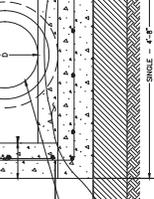
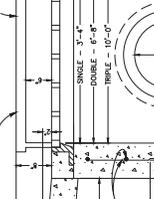
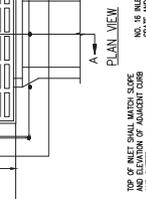
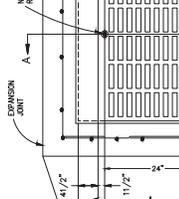
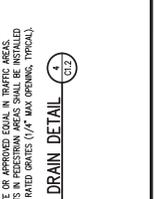
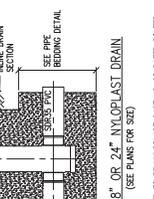
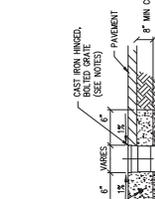
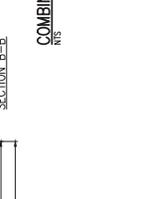
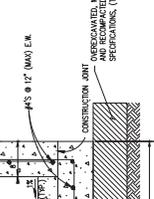
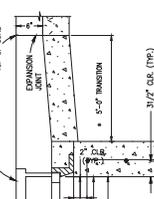
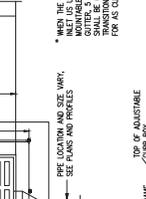
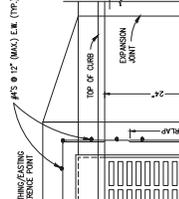
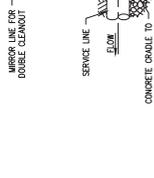
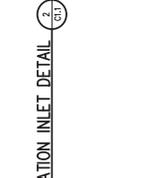
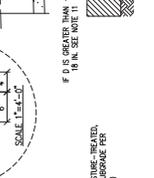
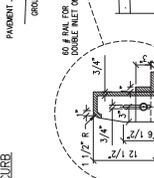
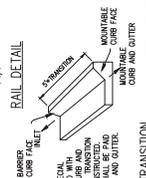
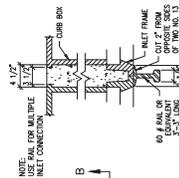


DESIGNED BY: DB  
 DRAWN BY: DB  
 CHECKED BY: DWM  
 JOB #:  
 DATE: 09/20/18

THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE., BOULDER, CO 80303

GRADING AND DRAINAGE DETAILS  
 SHEET NO. CD1.0

- NOTES:**
1. MAINTAIN SLOPE OF INLET FROM TO ASTM A-48(1.5%) WITH A MINIMUM 1/8" SLOPE TO THE INLET.
  2. ALL SURFACES SHALL BE FINISHED TO A FINISH GRADE OF 1/8" BELOW FINISH GRADE.
  3. FLOOR SLOPE MAY BE POURED MANUALLY WITH BASE.
  4. ALL SURFACES SHALL BE FINISHED TO A FINISH GRADE OF 1/8" BELOW FINISH GRADE.
  5. ALL SURFACES SHALL BE FINISHED TO A FINISH GRADE OF 1/8" BELOW FINISH GRADE.
  6. CONCRETE SHALL HAVE A 28 DAY STRENGTH OF 4000 PSI.
  7. ALL CONCRETE SHALL BE FINISHED TO A FINISH GRADE OF 1/8" BELOW FINISH GRADE.
  8. ALL CONCRETE SHALL BE FINISHED TO A FINISH GRADE OF 1/8" BELOW FINISH GRADE.
  9. ALL CONCRETE SHALL BE FINISHED TO A FINISH GRADE OF 1/8" BELOW FINISH GRADE.
  10. ALL CONCRETE SHALL BE FINISHED TO A FINISH GRADE OF 1/8" BELOW FINISH GRADE.

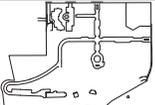






PCS GROUP INC.  
 11000 W. ALPINE DRIVE, SUITE 100  
 BOULDER, CO 80504  
 TEL: 303.440.8800  
 WWW.PCSGROUP.COM

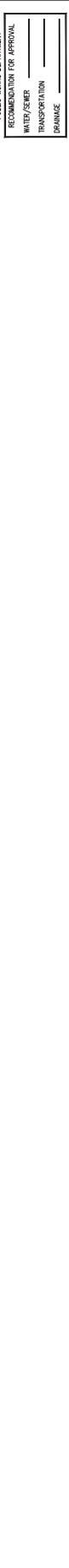
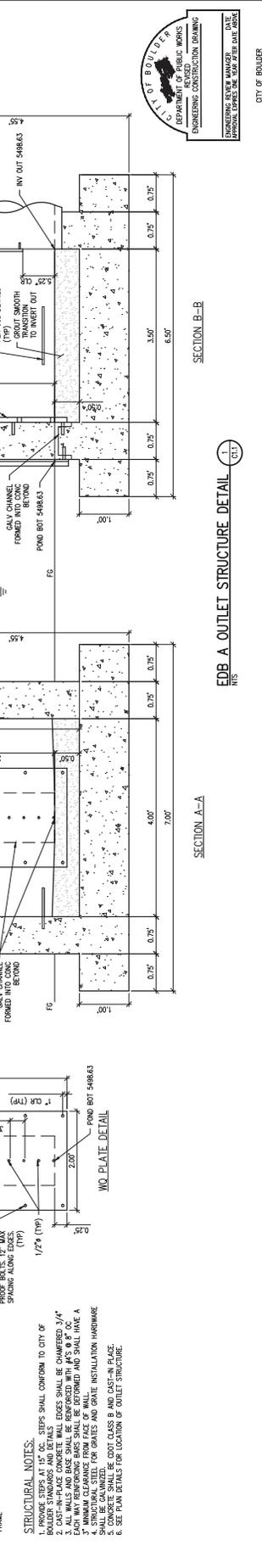
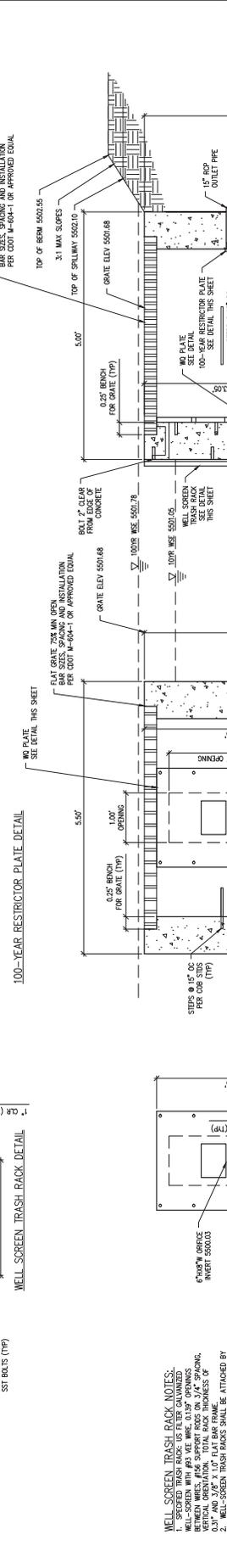
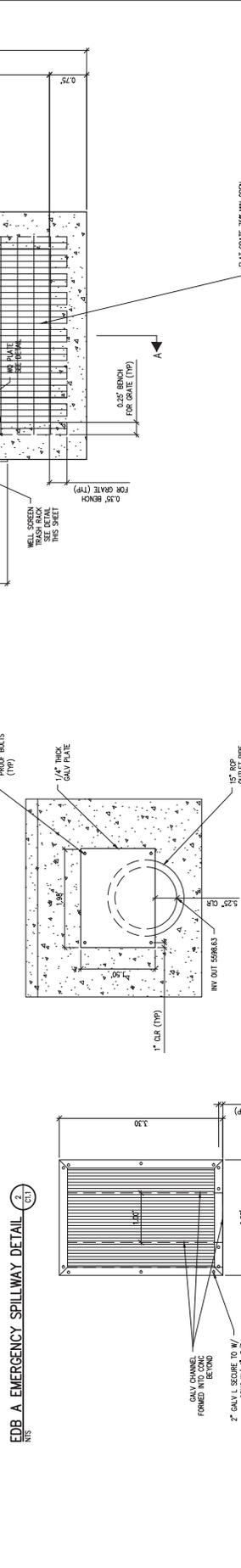
NO.	DATE	DESIGN	BY	CHKD	APP'D	REVISED	DESCRIPTION
2	09/20/2018	DESIGN	JMB	JMB	JMB		TECHNICAL DOCUMENT SUBMITTAL #10



DESIGNED BY: JMB  
 DRAWN BY: JMB  
 CHECKED BY: JMB  
 DATE: 09/20/2018

THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE., BOULDER, CO 80303  
 GRADING AND DRAINAGE DETAILS

SHEET NO. CD1.2



ENGINEERING CONSTRUCTION DRAWING  
 DEPARTMENT OF PUBLIC WORKS  
 REUSED  
 ENGINEERING REVIEW MANAGER: \_\_\_\_\_ DATE: \_\_\_\_\_  
 PROJECT MANAGER: \_\_\_\_\_  
 APPROVAL: \_\_\_\_\_  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL: \_\_\_\_\_  
 WATER/SEWER  
 TRANSPORTATION  
 DRAINAGE

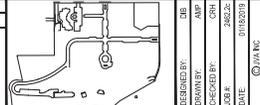
**WELL SCREEN TRASH RACK NOTES:**  
 1. PROVIDE STEPS AT 15" O.C. STEPS SHALL CONFORM TO CITY OF BOULDER STANDARDS AND DETAILS. GATES SHALL BE DIMENSIONED 3/4" BETWEEN WELLS, #16 SUPPORT RODS ON 3/4" SPACING.  
 2. GALV W/ BRIDGE SHALL BE DIMENSIONED WITH #16 O.C. EACH WAY REINFORCING BARS SHALL BE DIMENSIONED AND SHALL HAVE A STRUCTURAL STEEL FOR GRATES AND GRATE INSTALLATION HARDWARE SHALL BE DIMENSIONED TO FOOT CLAS 5 AND CAST-IN PLACE.  
 3. GALV W/ BRIDGE SHALL BE DIMENSIONED WITH #16 O.C. EACH WAY REINFORCING BARS SHALL BE DIMENSIONED AND SHALL HAVE A STRUCTURAL STEEL FOR GRATES AND GRATE INSTALLATION HARDWARE SHALL BE DIMENSIONED TO FOOT CLAS 5 AND CAST-IN PLACE.  
 4. PROVIDE STEPS AT 15" O.C. STEPS SHALL CONFORM TO CITY OF BOULDER STANDARDS AND DETAILS. GATES SHALL BE DIMENSIONED 3/4" BETWEEN WELLS, #16 SUPPORT RODS ON 3/4" SPACING.  
 5. GALV W/ BRIDGE SHALL BE DIMENSIONED WITH #16 O.C. EACH WAY REINFORCING BARS SHALL BE DIMENSIONED AND SHALL HAVE A STRUCTURAL STEEL FOR GRATES AND GRATE INSTALLATION HARDWARE SHALL BE DIMENSIONED TO FOOT CLAS 5 AND CAST-IN PLACE.  
 6. SEE PLAN DETAILS FOR LOCATION OF OUTLET STRUCTURE.

**STRUCTURAL NOTES:**  
 1. PROVIDE STEPS AT 15" O.C. STEPS SHALL CONFORM TO CITY OF BOULDER STANDARDS AND DETAILS. GATES SHALL BE DIMENSIONED 3/4" BETWEEN WELLS, #16 SUPPORT RODS ON 3/4" SPACING.  
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 6. SEE PLAN DETAILS FOR LOCATION OF OUTLET STRUCTURE.



NO.	DATE	BY	CHKD	DESC	APP	DWN	REVISED
2	09/20/18	DB	TWM	100-YEAR WQ 5000.00			

TECHNICAL DOCUMENT SHEET #10  
 REVISION DESCRIPTION



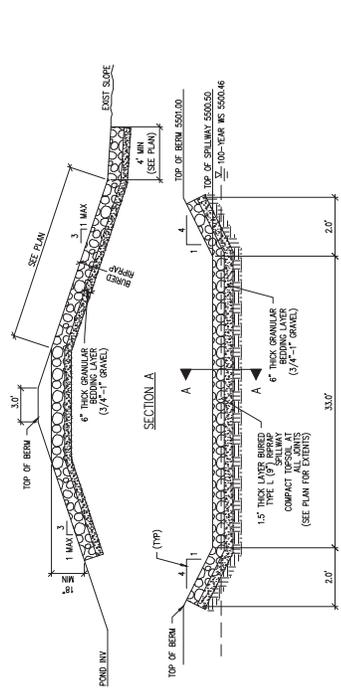
GRADING AND DRAINAGE DETAILS



CITY OF BOULDER  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING CONSTRUCTION DRAWING

ENGINEERING REVIEW MANAGER: \_\_\_\_\_ DATE: \_\_\_\_\_  
 ENGINEER: \_\_\_\_\_  
 PROJECT NO.: \_\_\_\_\_  
 DRAWING NO.: \_\_\_\_\_

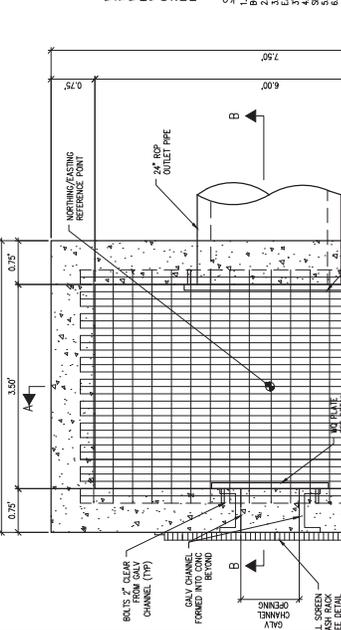
PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 WATER/SEWER \_\_\_\_\_  
 TRANSPORTATION \_\_\_\_\_  
 PLANNING \_\_\_\_\_



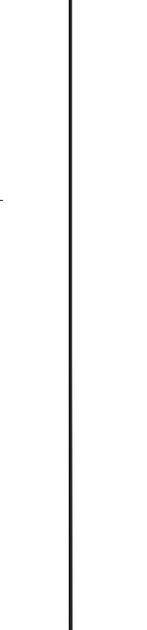
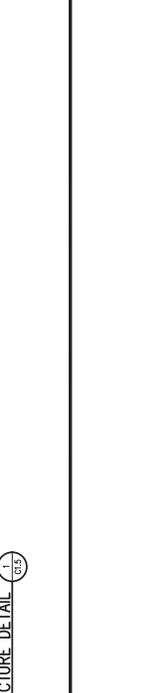
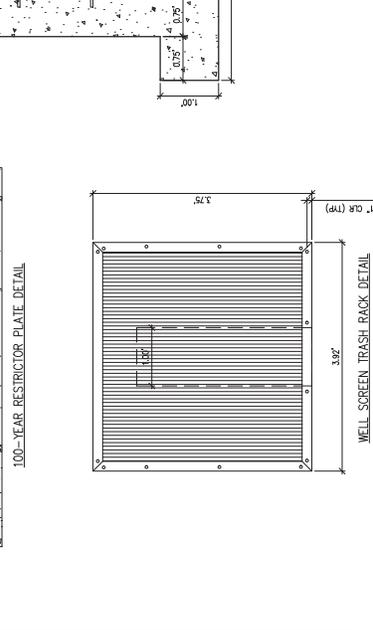
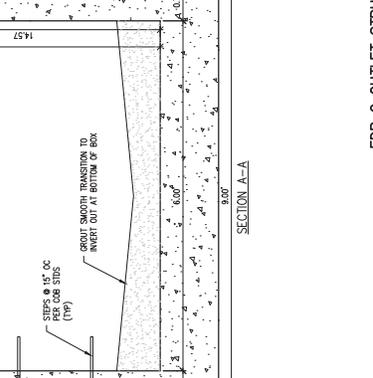
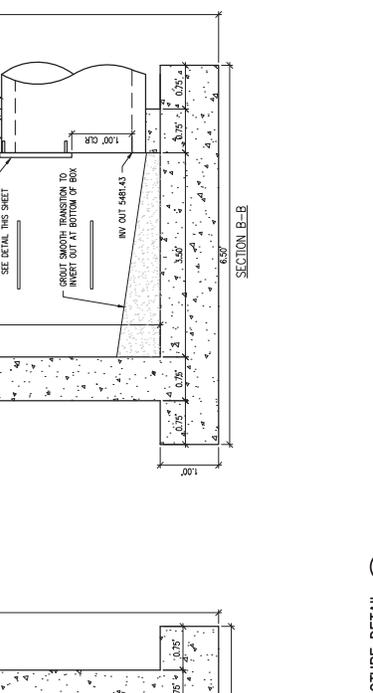
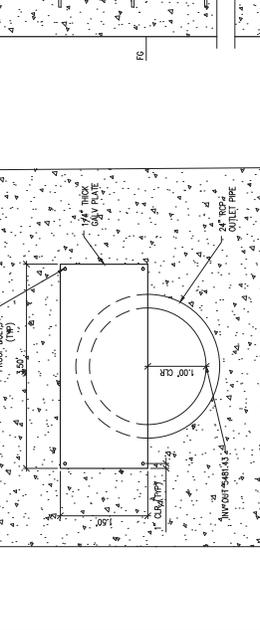
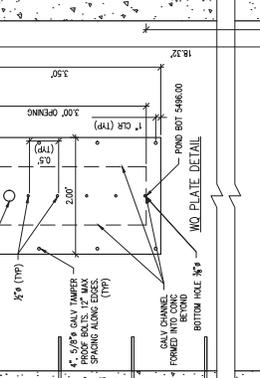
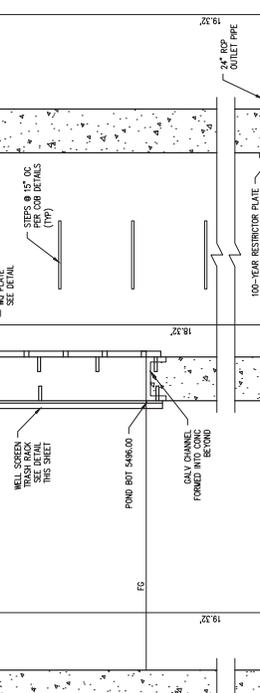
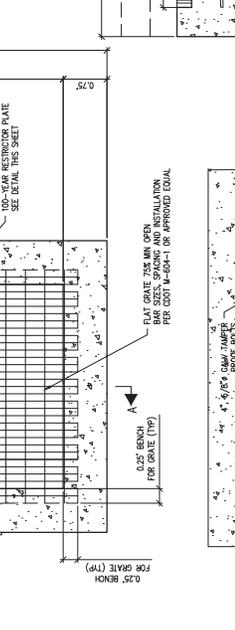
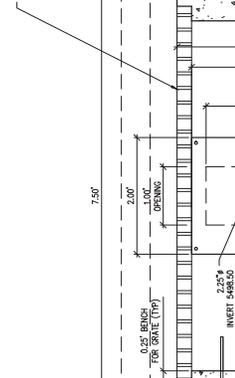
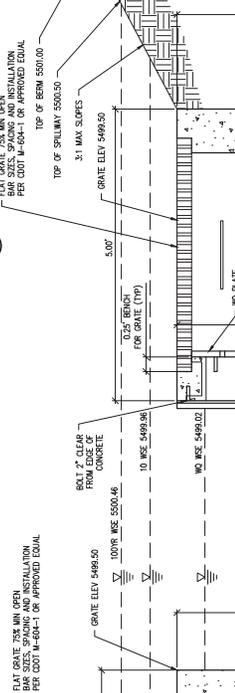
**EDB C EMERGENCY SPILLWAY DETAIL**  
 2  
 C1.3



**EDB C OUTLET STRUCTURE DETAIL**  
 1  
 C1.3



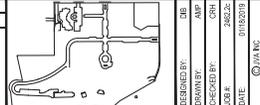
**WELL SCREEN TRASH RACK DETAIL**



- WELL SCREEN TRASH RACK NOTES:**
1. PROVIDE STEPS AT 15" OC. STEPS SHALL CONFORM TO CITY OF BOULDER SPECIFICATIONS.
  2. SLOTTED TRASH RACK USE FILTER GALVANIZED.
  3. ALL WALLS AND BASE SHALL BE REINFORCED WITH #4'S @ 8" OC.
  4. MINIMUM CLEARANCE FROM FACE OF WALL TO BE MAINTAINED.
  5. MINIMUM CLEARANCE FROM FACE OF WALL TO BE MAINTAINED.
  6. STRUCTURAL STEEL FOR GRATES AND GRATE INSTALLATION HORIZONTAL.
  7. CONCRETE SHALL BE COOT CLASS B AND CAST-IN PLACE.
  8. SEE PLAN DETAILS FOR LOCATION OF OUTLET STRUCTURE.

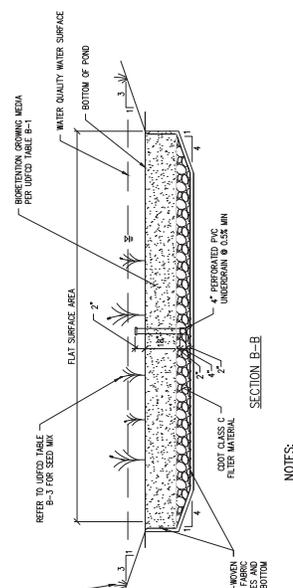
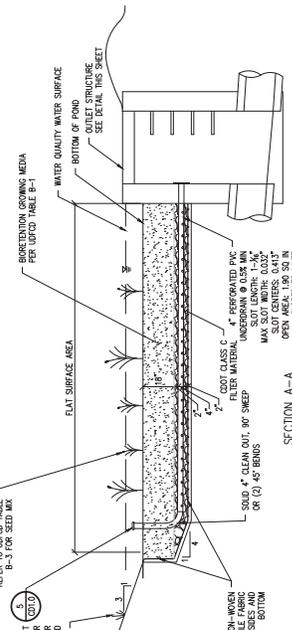
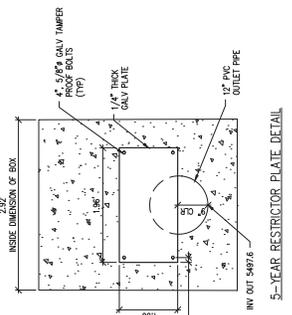
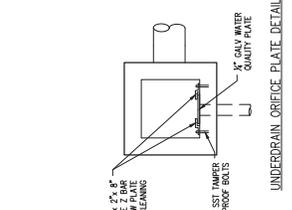
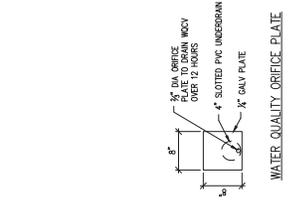
- STRUCTURAL NOTES:**
1. PROVIDE STEPS AT 15" OC. STEPS SHALL CONFORM TO CITY OF BOULDER SPECIFICATIONS.
  2. CAST-IN-PLACE CONCRETE WALL EDGES SHALL BE CHAMFERED 3/4".
  3. ALL WALLS AND BASE SHALL BE REINFORCED WITH #4'S @ 8" OC.
  4. MINIMUM CLEARANCE FROM FACE OF WALL TO BE MAINTAINED.
  5. MINIMUM CLEARANCE FROM FACE OF WALL TO BE MAINTAINED.
  6. STRUCTURAL STEEL FOR GRATES AND GRATE INSTALLATION HORIZONTAL.
  7. CONCRETE SHALL BE COOT CLASS B AND CAST-IN PLACE.
  8. SEE PLAN DETAILS FOR LOCATION OF OUTLET STRUCTURE.

NO.	DATE	REV	BY	CHKD	APP	DESCRIPTION
2	09/30/2018	08	TMM	DVM		TECHNICAL DOCUMENT SUBMITTAL #10



DESIGNED BY: SJB	DATE: 01/15/2019
DRAWN BY: AMP	CHECKED BY: 262/2
JOB #:	
DATE: 01/15/2019	

CITY OF BOULDER  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING CONSTRUCTION DRAWING  
 ENGINEERING REVIEW MANAGER: \_\_\_\_\_ DATE: \_\_\_\_\_  
 APPROVAL: \_\_\_\_\_  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 WATER/SEWER  
 TRANSPORTATION  
 DRAINAGE



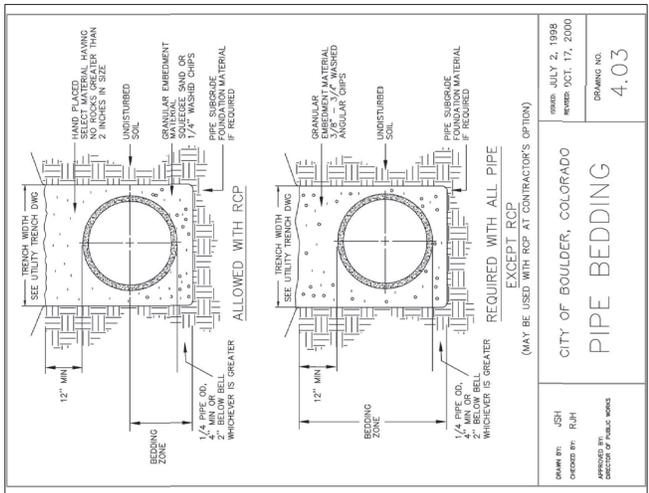
- NOTES:**
- SEE PLAN FOR BASIN AND PIPE LAYOUT, DIMENSIONS, AND INVERTS.
  - MATERIAL SPECIFICATIONS PER UFGD STD.
  - ROUTINE MAINTENANCE: REMOVE WEEDS, DEBRIS, AND LITTER FROM BASIN AND KEEP THE AREA CLEAN FOR AESTHETIC REASONS, WHICH ALSO REDUCES THE RISK OF CLOGGING.
  - ANNUALLY & AFTER LARGE STORM EVENTS: INSPECT AND REPAIR AREAS IF DAMAGED DUE TO HIGH FLOWS. CHECK THE BASIN SIDES FOR FILTER MATERIAL LAYER COVERAGE. FILTER LAYER REMOVAL IS REQUIRED WHEN THE WATER IN THE BASIN FAILS TO INFILTRATE DUE TO HIGH SEDIMENT DEPOSITS IN THE FILTER LAYER. REMOVE AND DISPOSE OF ALL VEGETATION GROWING ON THE SURFACE OF THE RAIN GARDEN MEDIA. REMOVE AND REPLACE THE 1/2" SAND/COMPOST MIX. RESOW THE TOP LAYER OF SAND/COMPOST MIX WITH PERFORATED DRAINAGE PIPE WITH PERFORATIONS FACING DOWN.

**RAIN GARDEN A2 DETAIL 1**

DATE: JULY 2, 1998  
 REVISION: OCT. 17, 2000

CHANGING REVIEW MANAGER:  
 SEPARATE FROM PUBLIC WORKS  
 ENGINEERING CONSTRUCTION DRAWING

CITY OF BOULDER  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 WATER/SEWER  
 TRANSPORTATION  
 FINANCE

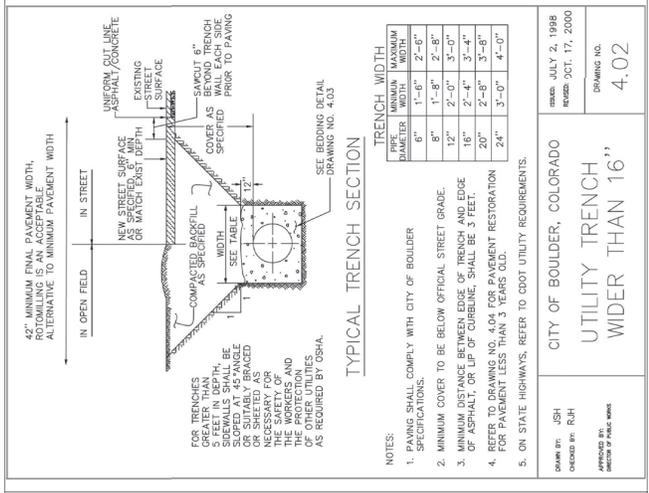


**PIPE BEDDING**  
 (MAY BE USED WITH RCP AT CONTRACTOR'S OPTION)

CITY OF BOULDER, COLORADO  
 DRAWN BY: JSH  
 CHECKED BY: R/JH  
 APPROVED BY: DIRECTOR OF PUBLIC WORKS

DATE: JULY 2, 1998  
 REVISION: OCT. 17, 2000  
 DRAWING NO. 4.03

NOTES:  
 1. HAND PLACED GRANULAR MATERIAL, NO ROCKS GREATER THAN 2 INCHES IN SIZE.  
 2. GRANULAR EMERGENT MATERIAL, 3/8" - 3/4" WASHED ANGULAR CHIPS.  
 3. UNDISTURBED SOIL.  
 4. PIPE SUBGRADE FOUNDATION MATERIAL, IF REQUIRED.  
 5. 1/4" PIPE OD, 2" BELOW BELL, WHICHEVER IS GREATER.  
 6. 1/4" PIPE OD, 2" BELOW BELL, WHICHEVER IS GREATER.  
 7. 1/4" PIPE OD, 2" BELOW BELL, WHICHEVER IS GREATER.  
 8. 1/4" PIPE OD, 2" BELOW BELL, WHICHEVER IS GREATER.



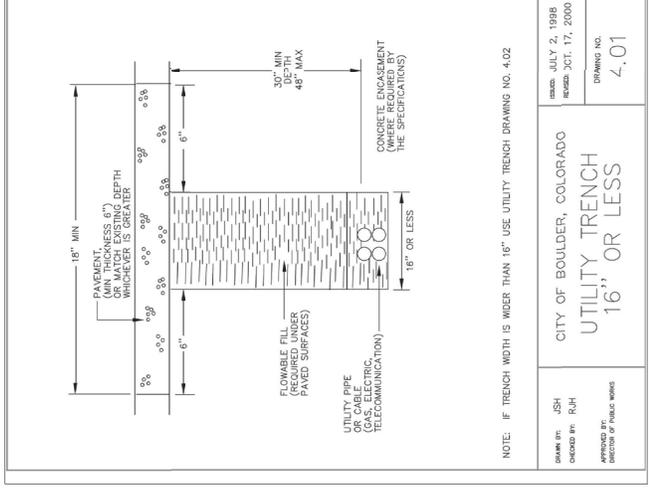
**UTILITY TRENCH WIDER THAN 16"**

CITY OF BOULDER, COLORADO  
 DRAWN BY: JSH  
 CHECKED BY: R/JH  
 APPROVED BY: DIRECTOR OF PUBLIC WORKS

DATE: JULY 2, 1998  
 REVISION: OCT. 17, 2000  
 DRAWING NO. 4.02

NOTES:  
 1. PAVING SHALL COMPLY WITH CITY OF BOULDER SPECIFICATIONS.  
 2. MINIMUM COVER TO BE BELOW OFFICIAL STREET GRADE.  
 3. MINIMUM DISTANCE BETWEEN EDGE OF TRENCH AND EDGE OF ASPHALT, OR LIP OF CURBLINE, SHALL BE 3 FEET.  
 4. REFER TO DRAWING NO. 4.04 FOR PAVEMENT RESTORATION FOR PAVEMENT LESS THAN 3 YEARS OLD.  
 5. ON STATE HIGHWAYS, REFER TO CDDT UTILITY REQUIREMENTS.

PIPE DIAMETER	TRENCH WIDTH	MINIMUM	MAXIMUM
6"	18"	1'-6"	2'-0"
8"	18"	1'-6"	2'-0"
10"	24"	1'-6"	2'-0"
12"	24"	1'-6"	2'-0"
14"	24"	1'-6"	2'-0"
16"	24"	1'-6"	2'-0"
18"	24"	1'-6"	2'-0"
20"	24"	1'-6"	2'-0"
24"	30"	1'-6"	2'-0"

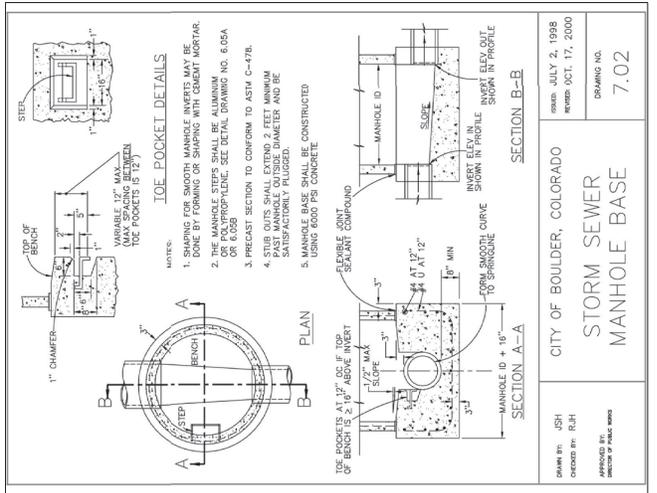


**UTILITY TRENCH 16" OR LESS**

CITY OF BOULDER, COLORADO  
 DRAWN BY: JSH  
 CHECKED BY: R/JH  
 APPROVED BY: DIRECTOR OF PUBLIC WORKS

DATE: JULY 2, 1998  
 REVISION: OCT. 17, 2000  
 DRAWING NO. 4.01

NOTES:  
 IF TRENCH WIDTH IS WIDER THAN 16" USE UTILITY TRENCH DRAWING NO. 4.02

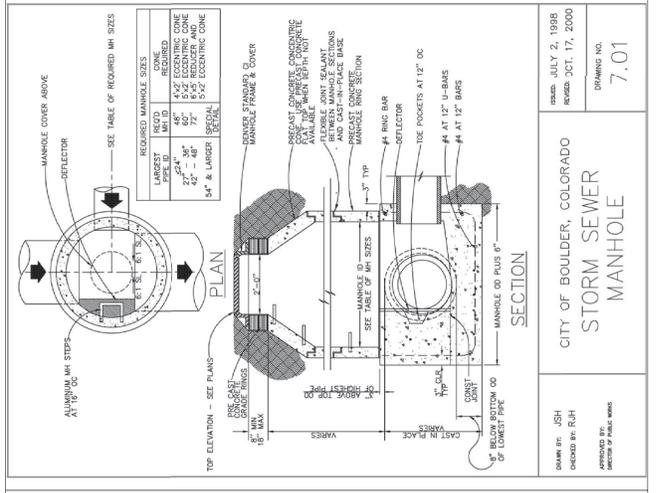


**STORM SEWER MANHOLE BASE**

CITY OF BOULDER, COLORADO  
 DRAWN BY: JSH  
 CHECKED BY: R/JH  
 APPROVED BY: DIRECTOR OF PUBLIC WORKS

DATE: JULY 2, 1998  
 REVISION: OCT. 17, 2000  
 DRAWING NO. 7.02

NOTES:  
 1. SHAPING FOR SMOOTH MANHOLE INVERTS MAY BE DONE BY FORMING OR SHAPING WITH COBALT MORTAR.  
 2. THE MANHOLE STEPS SHALL BE ALUMINUM OR FIBERGLASS. SEE DETAIL DRAWING NO. 6.05A OR 6.05B.  
 3. PRECAST SECTION TO CONFORM TO ASTM C-478.  
 4. STUB OUTS SHALL EXTEND 2 FEET MINIMUM PAST MANHOLE OUTSIDE DIAMETER AND BE REINFORCED AND PLUGGED.  
 5. USING 6000 PSI CONCRETE.

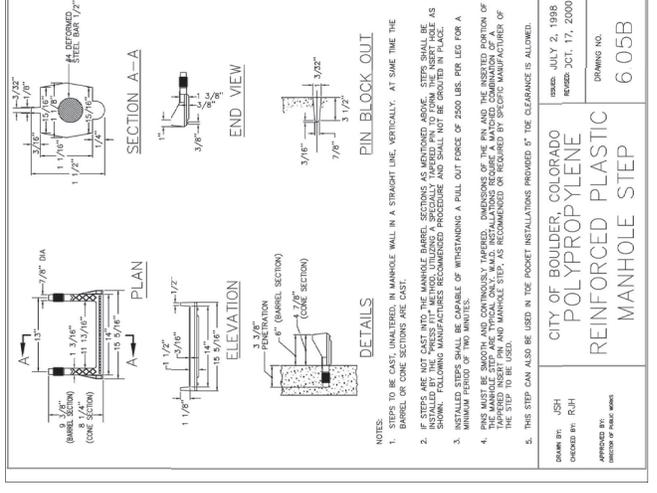


**STORM SEWER MANHOLE**

CITY OF BOULDER, COLORADO  
 DRAWN BY: JSH  
 CHECKED BY: R/JH  
 APPROVED BY: DIRECTOR OF PUBLIC WORKS

DATE: JULY 2, 1998  
 REVISION: OCT. 17, 2000  
 DRAWING NO. 7.01

NOTES:  
 1. CONCRETE FINISH TO MATCH SURFACE.  
 2. COVER AS BEYOND TRENCH SHALL BE SLOPED AT 45° ANGLE PRIOR TO PAVING.  
 3. COMPACTED BACKFILL AS SPECIFIED.  
 4. SEE BEDDING DETAIL DRAWING NO. 4.03.



**REINFORCED PLASTIC MANHOLE STEP**

CITY OF BOULDER, COLORADO  
 DRAWN BY: JSH  
 CHECKED BY: R/JH  
 APPROVED BY: DIRECTOR OF PUBLIC WORKS

DATE: JULY 2, 1998  
 REVISION: OCT. 17, 2000  
 DRAWING NO. 6.05B

NOTES:  
 1. THIS STEP CAN ALSO BE USED IN THE POCKET INSTALLATIONS PROVIDED 5" TIE CLEARANCE IS ALLOWED.  
 2. THIS STEP MUST BE SMOOTH AND CONTINUOUSLY TAPERED. DIMENSIONS OF THE PIN AND THE INSERTED PORTION OF THE STEP TO BE USED.  
 3. THIS STEP CAN ALSO BE USED IN THE POCKET INSTALLATIONS PROVIDED 5" TIE CLEARANCE IS ALLOWED.





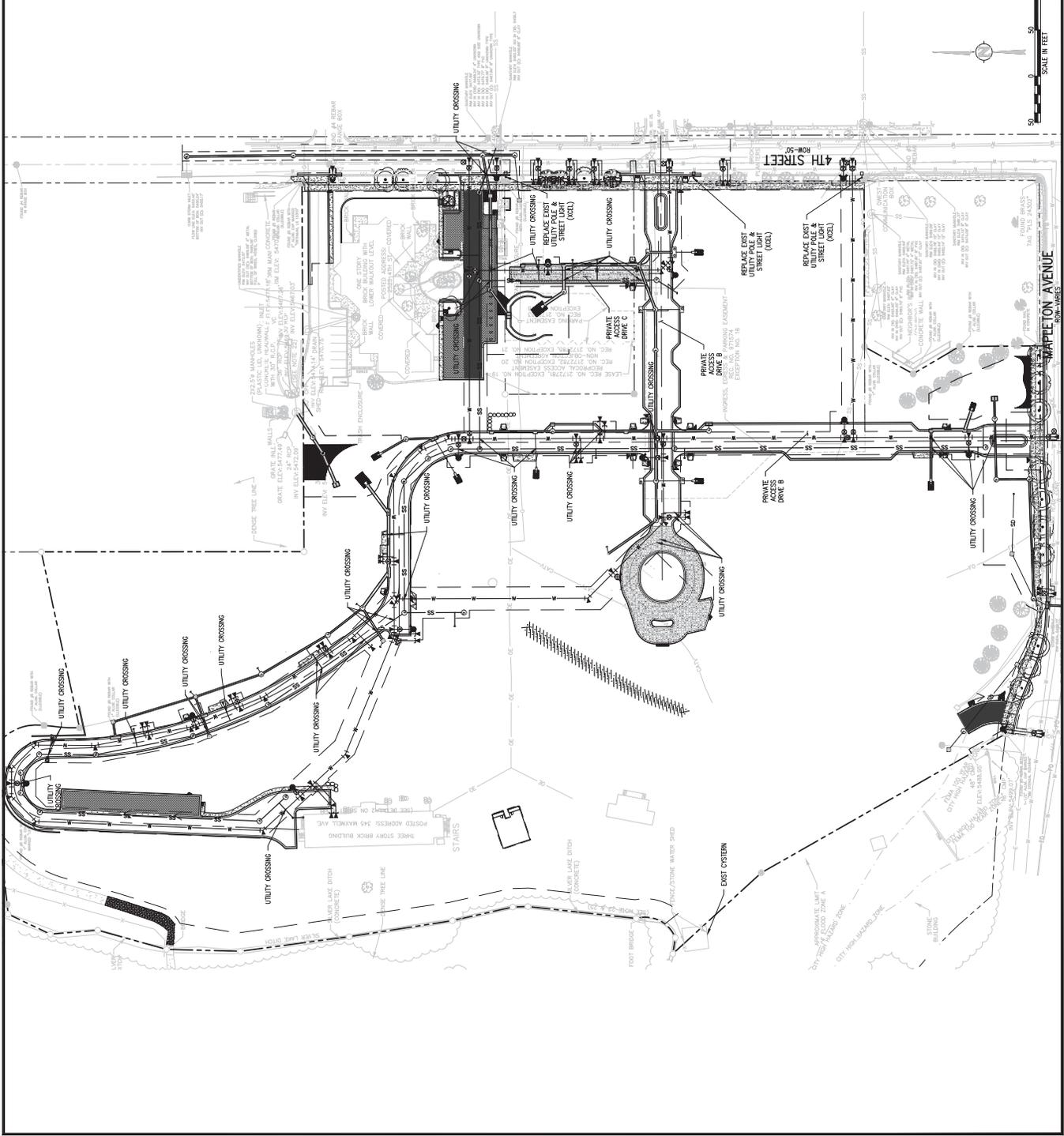
**pcs group inc.**  
15551 Lemay Parkway Suite 200  
Boulder, Colorado 80504  
Tel: 303.440.5500  
www.pcsgr.com

NO.	DATE	DESCRIPTION
2	06/02/09	REVISED TO REFLECT CHANGES TO THE ORIGINAL PLAN
1	05/20/09	ISSUED FOR PERMITTING

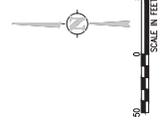
THE ACADEMY AT MAPLETON HILL  
INFRASTRUCTURE PACKAGE  
311 MAPLETON AVE., BOULDER, CO 80303  
OVERALL UTILITY PLAN

SHEET NO.  
**C2.0**

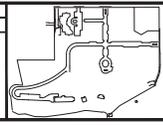
**UTILITY NOTES:**  
1. CONTRACTOR TO FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES (WATER, GAS, SEWER, FIBER, ETC.) PRIOR TO CONSTRUCTION. REFER TO GENERAL NOTES FOR UTILITY LOCATION AND PROTECTION.  
2. ALL NEW UTILITY AND ELECTRIC SERVICES ARE PROVIDED BY OTHERS. CONTRACTOR TO FIELD VERIFY EXISTING UTILITIES AND COORDINATE WITH ALL UTILITY OWNERS AS TO LOCATION, DEPTH, AND PROTECTION. REFER TO SPECIFICATIONS AND COORDINATE WITH ALL UTILITY OWNERS AS TO PROTECTION REQUIREMENTS.  
3. CONTRACTOR TO MARK ALL UTILITY CHAINS WITH MARKERS.



CITY OF BOULDER  
PUBLIC WORKS DEPARTMENT  
RECOMMENDATION FOR APPROVAL  
WATER/SEWER  
TRANSPORTATION  
DRAINAGE



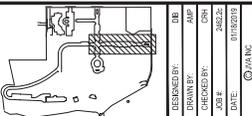
RESIGNED BY: JRM  
DRAWN BY: JRM  
CHECKED BY: JRM  
DATE: 01/20/09





pcs group inc.

NO.	DATE	DESS	OWN
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TECHNICAL DOCUMENT SUBMITTAL NO. 1			
REVISION DESCRIPTION			

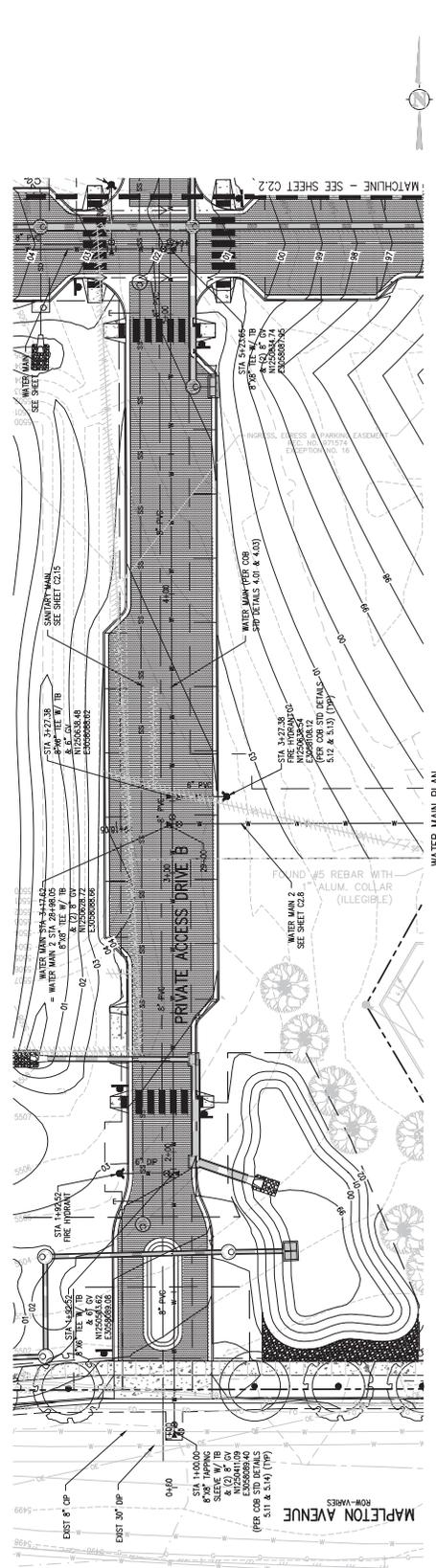


THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE., BOULDER, CO 80303  
 WATER PLAN AND PROFILE

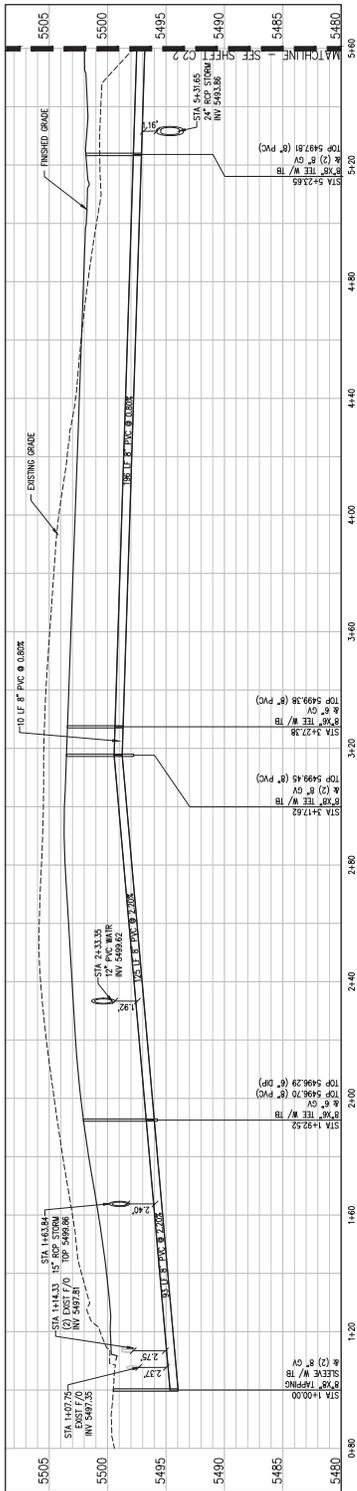
SHEET NO. C2.1



CITY OF BOULDER  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 WATER/SEWER  
 TRANSPORTATION  
 DRAINAGE

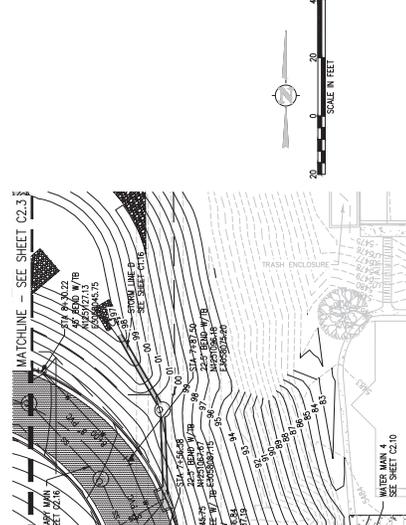


WATER MAIN PLAN



WATER MAIN PROFILE

SCALE: 1"=20' HORIZ  
 1"=6' VERT

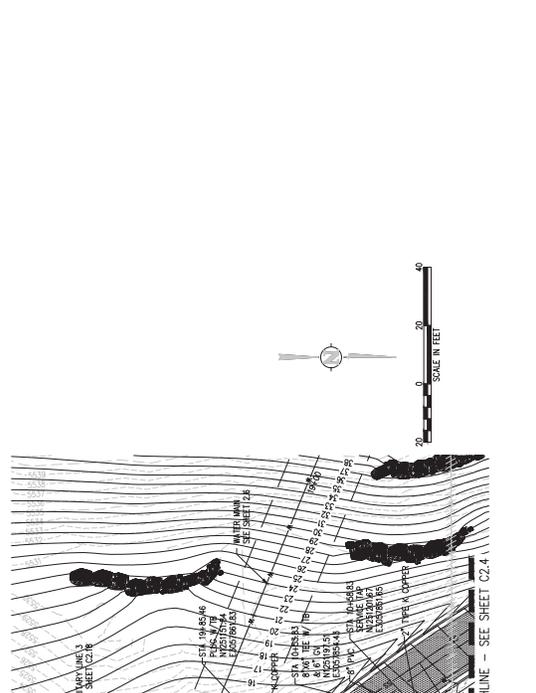


WATER MAIN PLAN

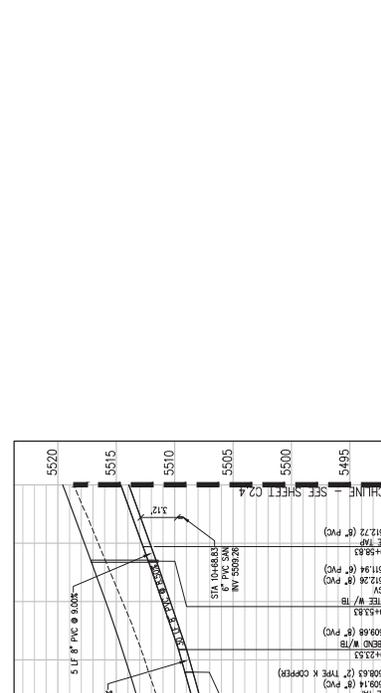


WATER MAIN PROFILE

SCALE: 1"=40' HORIZ.  
 1"=5' VERT



WATER MAIN PLAN



WATER MAIN PROFILE

MATCHLINE - SEE SHEET C2.2

MATCHLINE - SEE SHEET C2.4

SCALE: 1" = 20' HORIZ  
 1" = 5' VERT

SCALE IN FEET

NO. DATE DESG. DWN

TECHNICAL DOCUMENT SUBMITTAL NO. 15-0023-01-01

REVISION DESCRIPTION

DESIGNED BY: JRM

DRAWN BY: JRM

CHECKED BY: JRM

JOB # 24822

DATE 01/20/15

CITY OF BOULDER

DEPARTMENT OF PUBLIC WORKS

ENGINEERING CONSTRUCTION DIVISION

RECOMMENDATION FOR APPROVAL

WATER/SEWER

TRANSPORTATION

DRAINAGE

PCS GROUP INC.

1425 17th Street, Suite 300

Boulder, CO 80502

303.440.1500

www.pcsgr.com



NO.	DATE	DESCRIPTION
2	06/02/2018	DB
1	05/22/2018	DB

TECHNICAL DOCUMENT SUBMITTAL AND REVISION DESCRIPTION

DESIGNED BY: JAM  
 DRAWN BY: JAM  
 CHECKED BY: JAM  
 DATE: 01/18/2018



THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE, BOULDER, CO 80303

WATER PLAN AND PROFILE

CITY OF BOULDER  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 WATER/SEWER  
 TRANSPORTATION  
 DRAINAGE

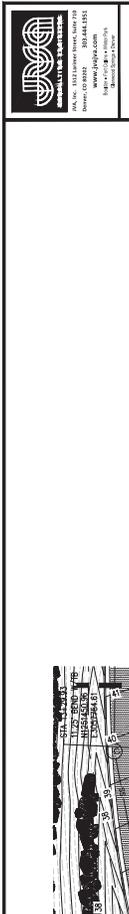
ENGINEERING REVIEW MANAGER  
 ENGINEERING REVIEWER  
 SPECIAL ENGINEER  
 DATE: 01/18/2018

CITY OF BOULDER  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING CONSTRUCTION DRAWING

SCALE: 1"=50' HORIZONTAL  
 1"=5' VERTICAL

SCALE IN FEET

SCALE: 1"=50' HORIZONTAL  
 1"=5' VERTICAL



WATER MAIN PROFILE

SCALE: 1"=50' HORIZONTAL  
 1"=5' VERTICAL

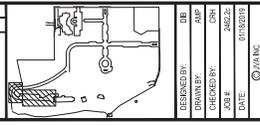


WATER MAIN PLAN



pcs group inc.

NO.	DATE	DESC	DWN
2	06/02/2018	DB	TMM
TECHNICAL DOCUMENT SUBMITTAL NO. 15			
REVISION DESCRIPTION			



THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE, BOULDER, CO 80303

DESIGNED BY: DB  
 DRAWN BY: DB  
 CHECKED BY: TMM  
 DATE: 01/18/2018

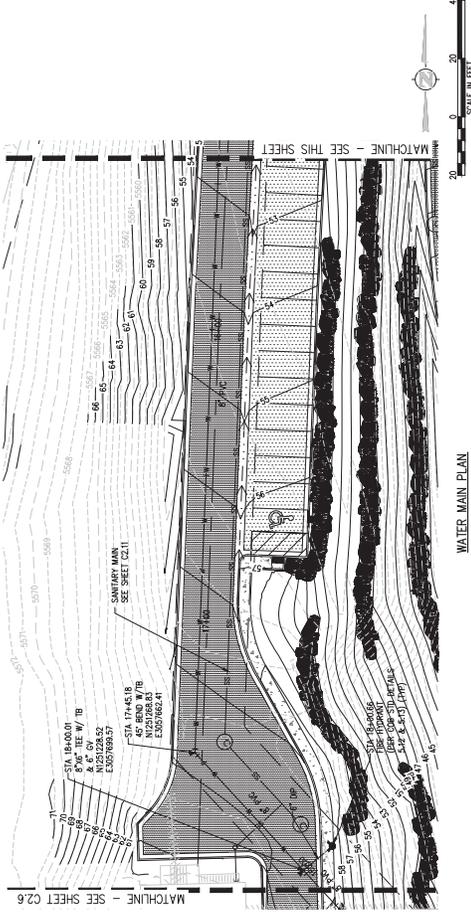
SHEET NO. C2.5



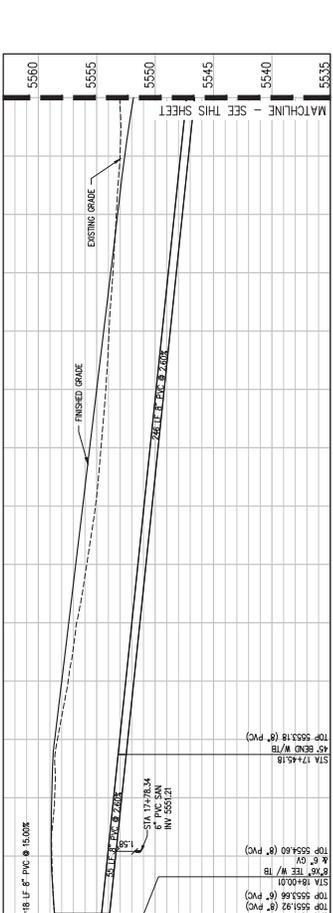
CITY OF BOULDER  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING CONSTRUCTION DIVISION

ENGINEERING REVIEW MANAGER  
 PUBLIC WORKS SUPERVISOR  
 RECOMMENDATION FOR APPROVAL

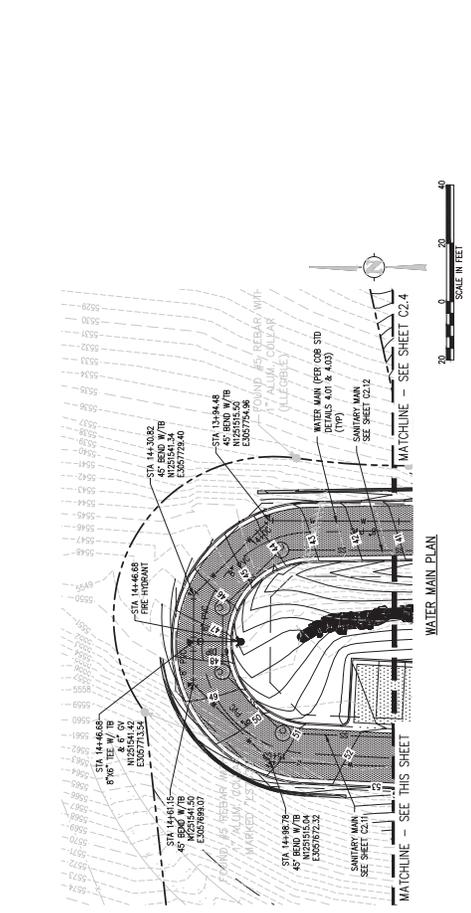
WATER/SEWER  
 TRANSPORTATION  
 DRAINAGE



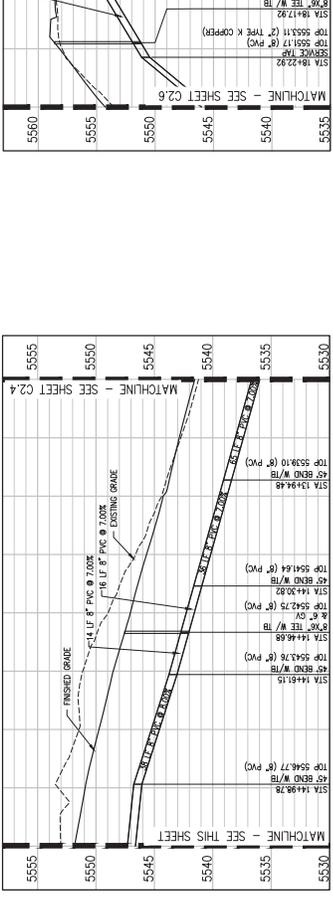
WATER MAIN PROFILE



WATER MAIN PLAN



WATER MAIN PROFILE



WATER MAIN PLAN



PCS GROUP INC.  
 10000 E. 10th Avenue, Suite 100  
 Denver, CO 80231  
 Phone: 303.750.1000  
 Fax: 303.750.1001  
 Email: sales@pcsgr.com

NO.	DATE	DESC	DRAWN	CHKD	APP'D
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2	06/20/2018	TECHNICAL DOCUMENT SUBMITTAL AND REVISION DESCRIPTION			

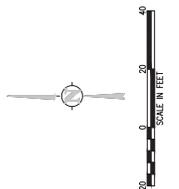
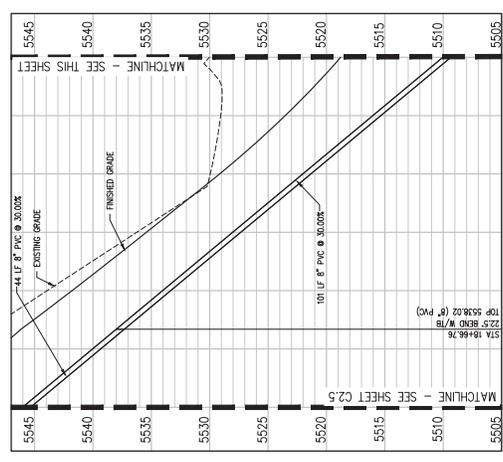
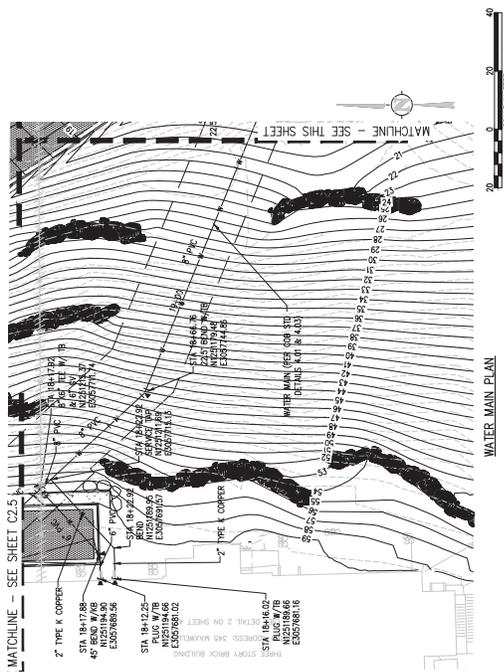
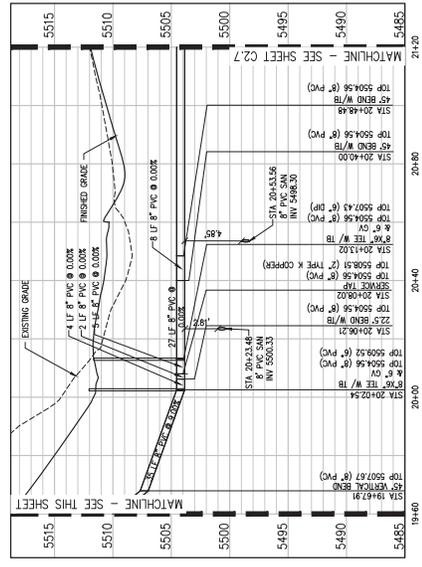
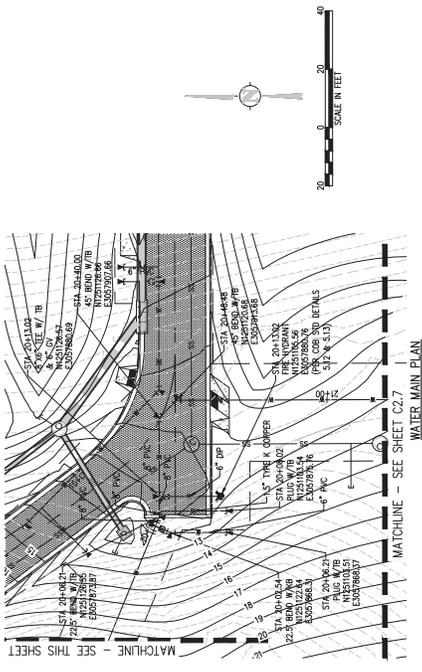


THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE., BOULDER, CO 80303  
 WATER PLAN AND PROFILE

SHEET NO.  
**C2.6**



CITY OF BOULDER  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING CONSTRUCTION DIVISION  
 ENGINEERING REVIEW MANAGER  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 WATER/SEWER  
 TRANSPORTATION  
 DRAINAGE





pcs group inc.

NO.	DATE	DESS	BY	TW	DESCRIPTION
2	06/02/2018	08	TW	TW	TECHNICAL DOCUMENT SUBMITTAL NO. 1
1					REVISION DESCRIPTION

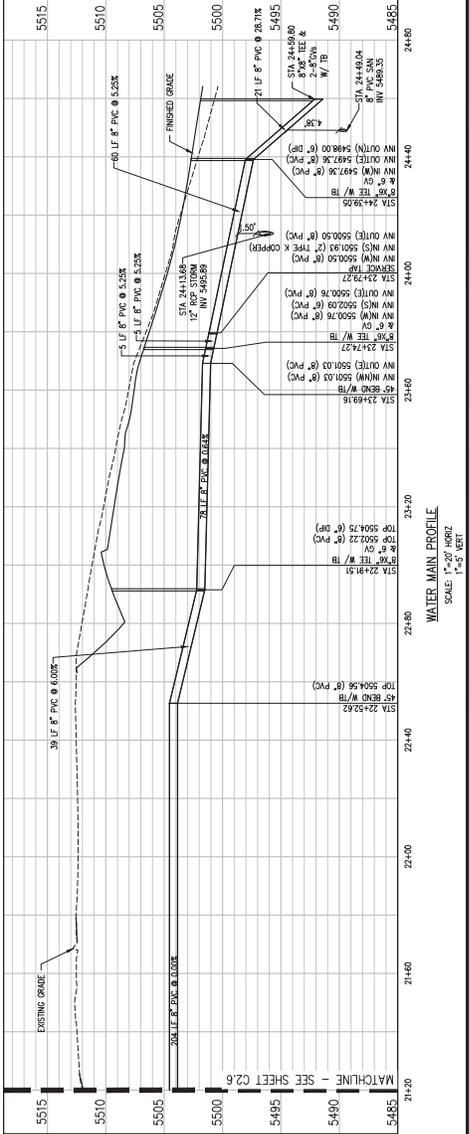
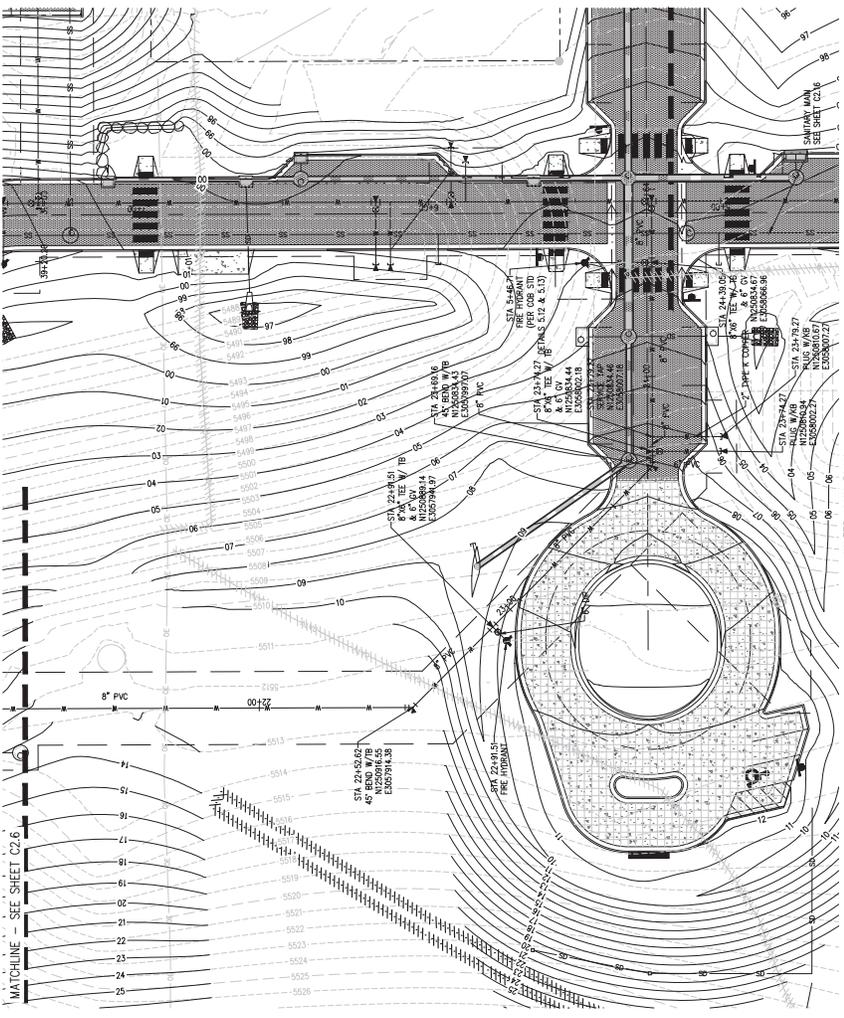
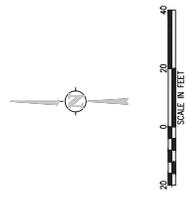
DESIGNED BY:	DR
DRAWN BY:	JAM
CHECKED BY:	CRK
DATE:	01/15/2018
2018	24622
DATE:	01/15/2018

THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE, BOULDER, CO 80303  
 WATER PLAN AND PROFILE

SHEET NO. C2.7



CITY OF BOULDER  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING CONSTRUCTION DRAWING  
 ENGINEERING REVIEW MANAGER  
 RECOMMENDATION FOR APPROVAL  
 WATER/SEWER  
 TRANSPORTATION  
 DRAINAGE



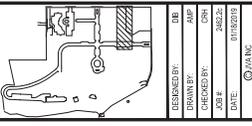
MATCHLINE - SEE SHEET C2.6

SCALE: 1" = 5' VERT



pcs group inc.

NO.	DATE	DESC	BY	TWY	REVISION DESCRIPTION
2	06/20/21	DB	TWY		TECHNICAL DOCUMENT SUBMITTAL



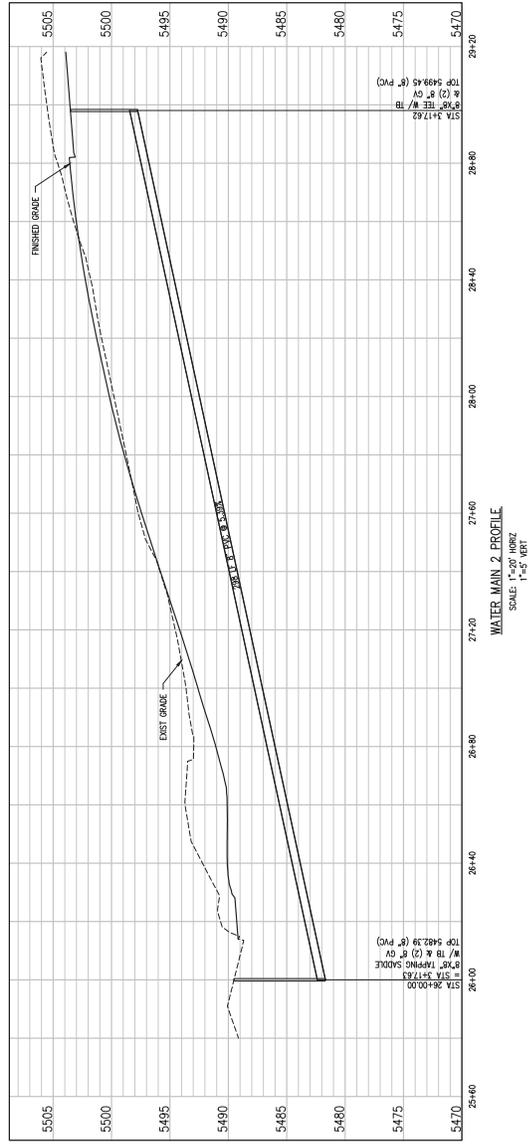
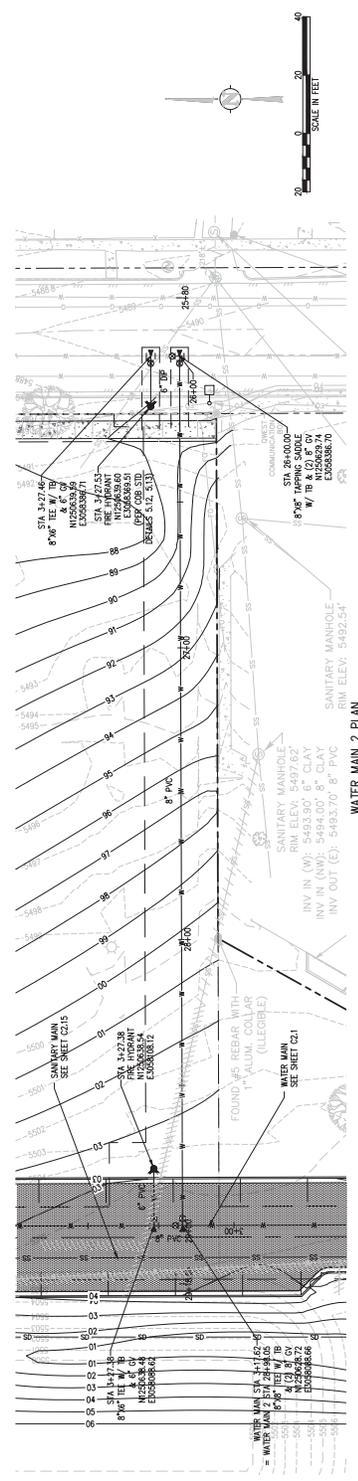
DESIGNED BY: DB  
 DRAWN BY: TWY  
 CHECKED BY: JSM  
 JOB #: 2022-002  
 DATE: 01/13/21

THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE, BOULDER, CO 80303  
 WATER PLAN AND PROFILE

SHEET NO. C2.8

CITY OF BOULDER  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL

ENGINEERING REVIEW MANAGER  
 DEPARTMENT MANAGER  
 TRANSPORTATION  
 PLANNING



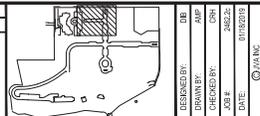
WATER MAIN 2 PROFILE  
 SCALE: 1"=20' VERT  
 1"=5' HORIZ



**pcc group inc.**  
 1515 S. 15th Street, Suite 100  
 Denver, CO 80202  
 Tel: 303.733.1100  
 Fax: 303.733.1101  
 www.pccgroup.com

NO.	DATE	DESC.	BY	CHK.
1	06/02/2018	DB	TMM	TMM
2	06/02/2018	DB	TMM	TMM

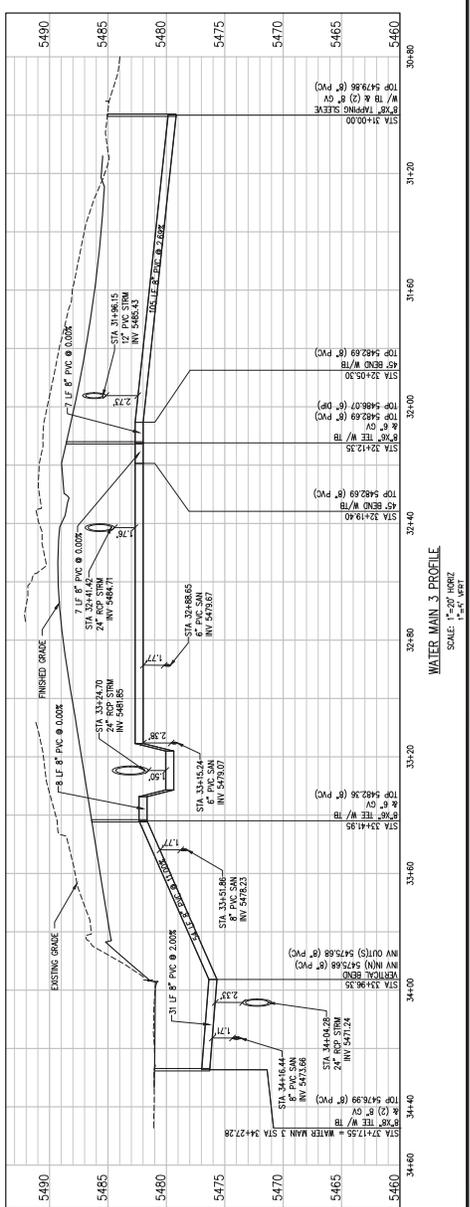
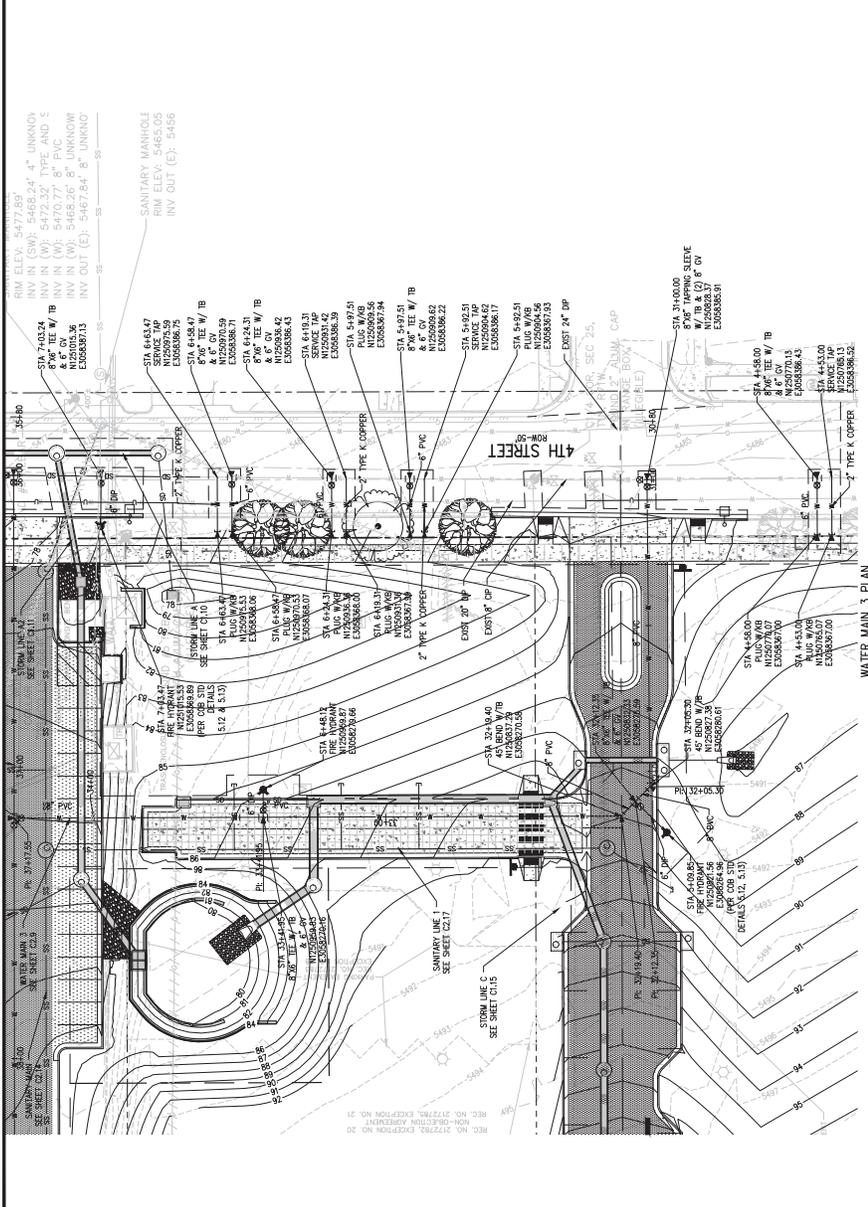
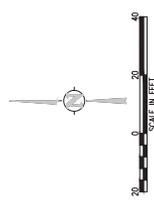
TECHNICAL DOCUMENT SUBMITTAL NO. 20  
 REVISION DESCRIPTION



DESIGNED BY: DB  
 DRAWN BY: JAM  
 CHECKED BY: JAM  
 DATE: 01/12/2018

THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE, BOULDER, CO 80303

WATER PLAN AND PROFILE  
 SHEET NO. C2.9

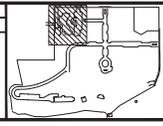


REC. NO. 0172782, EXCEPTION NO. 20  
 REC. NO. 0172782, EXCEPTION NO. 20



pcs group inc.

NO.	DATE	DESC	BY	CHKD	REVISION DESCRIPTION
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2	06/02/18	DB	MMW	MMW	REVISION DESCRIPTION



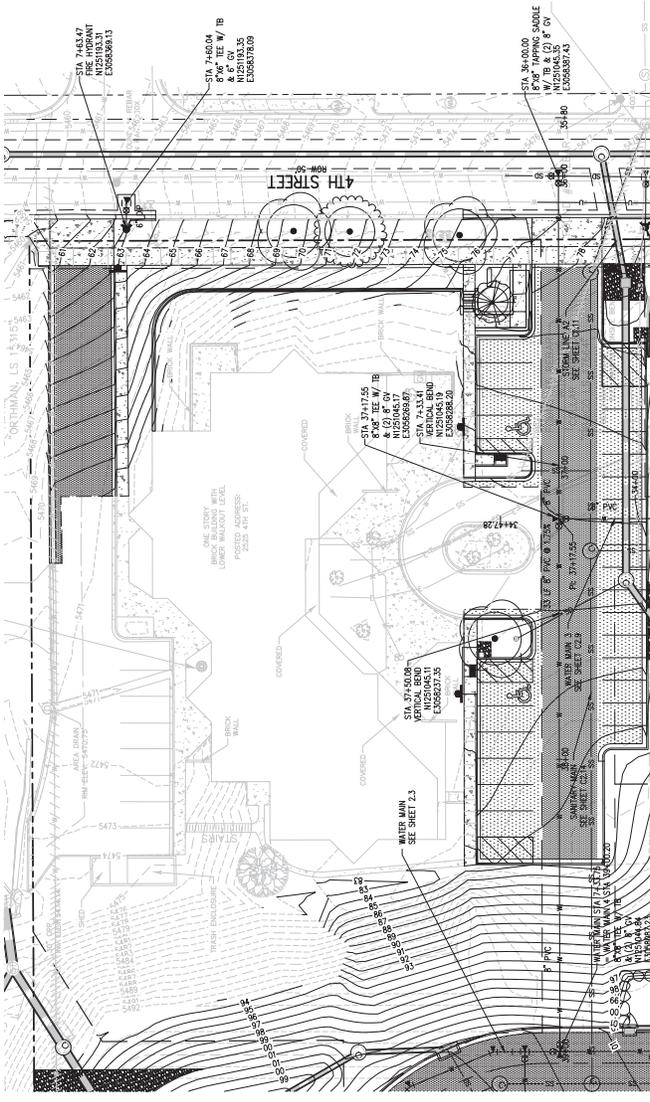
DESIGNED BY:	DB
DRAWN BY:	MMW
CHECKED BY:	MMW
DATE:	01/15/2018

THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE, BOULDER, CO 80303

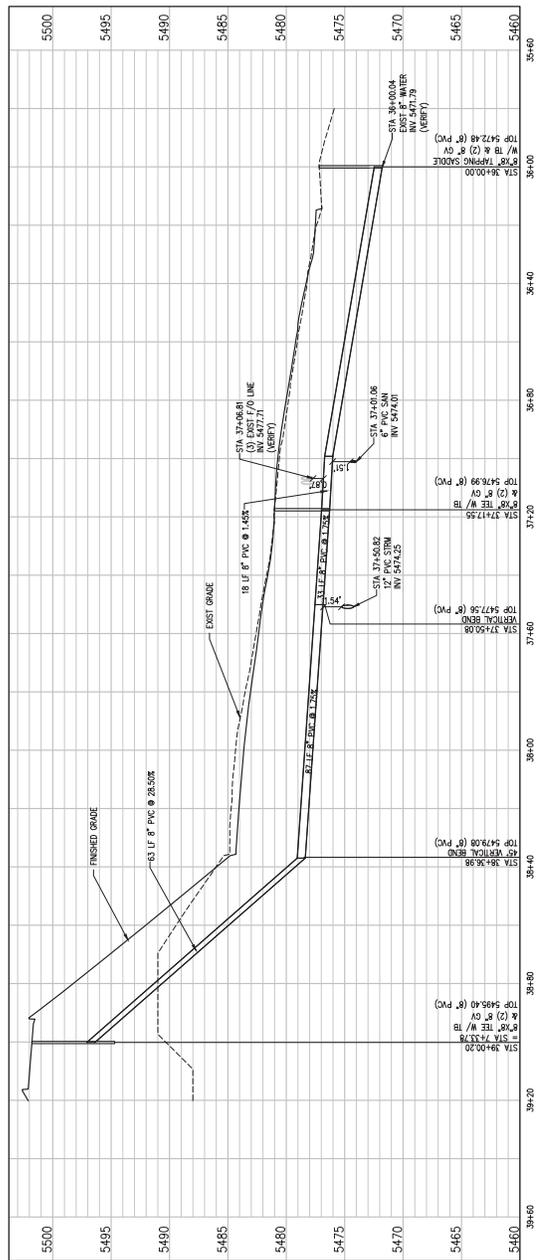
SHEET NO. C2.10



CITY OF BOULDER  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 ENGINEERING REVIEWER: \_\_\_\_\_  
 WATER/SEWER: \_\_\_\_\_  
 TRANSPORTATION: \_\_\_\_\_  
 DRAINAGE: \_\_\_\_\_



WATER MAIN 4 PLAN

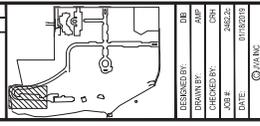


WATER MAIN 4 PROFILE  
 SCALE: 1"=20' HORIZ  
 1"=5' VERT



pcs group inc.

NO.	DATE	DESC	BY	TWY	REVISION DESCRIPTION
1	06/09/2011	08	JAW		TECHNICAL DOCUMENT SUBMITTAL NO. 1
2	06/09/2011	08	JAW		TECHNICAL DOCUMENT SUBMITTAL NO. 2

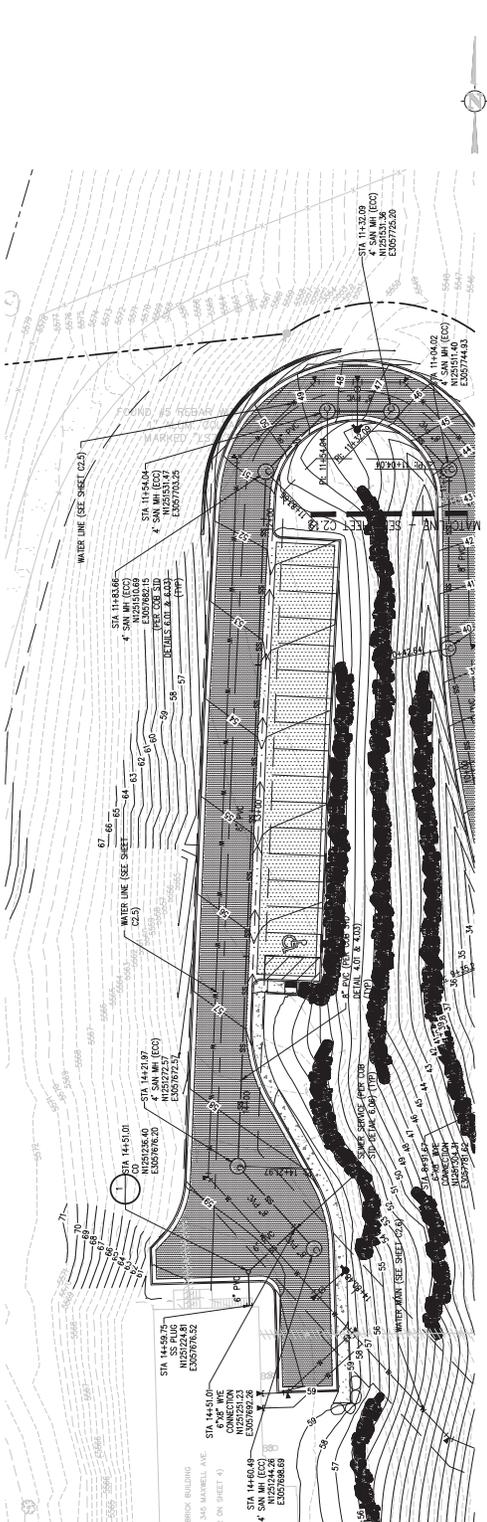


THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE., BOULDER, CO 80303  
 SANITARY PLAN AND PROFILE

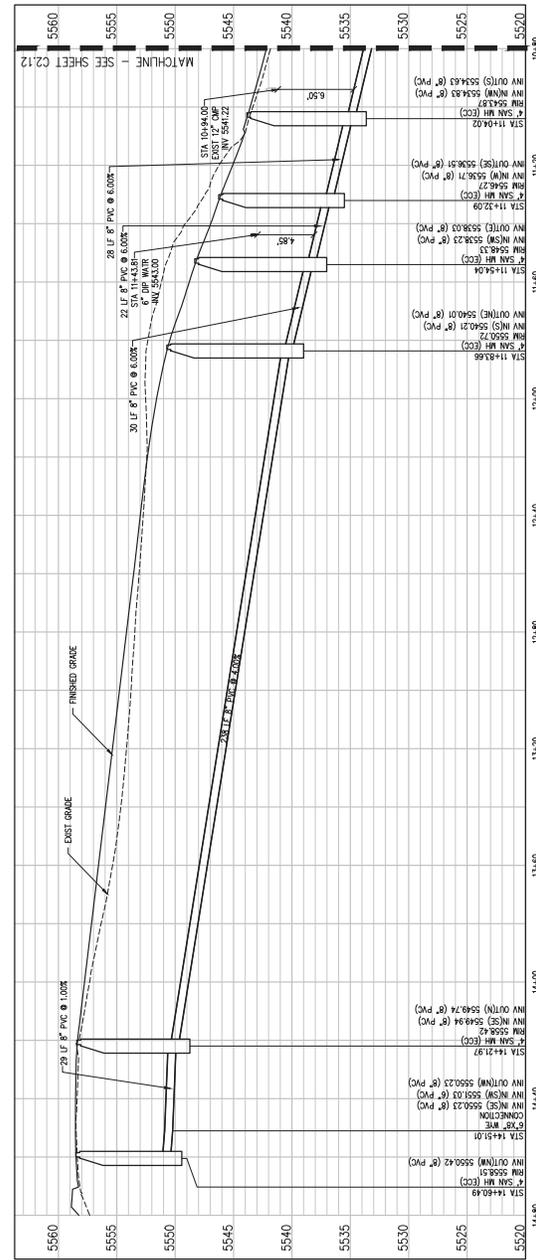
SHEET NO. C2.11



CITY OF BOULDER  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 WATER/SEWER  
 TRANSPORTATION  
 DRAINAGE



SANITARY MAIN PLAN



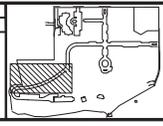
SANITARY MAIN PROFILE

SCALE: 1"=20' HORIZ  
 1"=5' VERT



pcs group inc.

NO.	DATE	DESIGN	BY	REVISION DESCRIPTION
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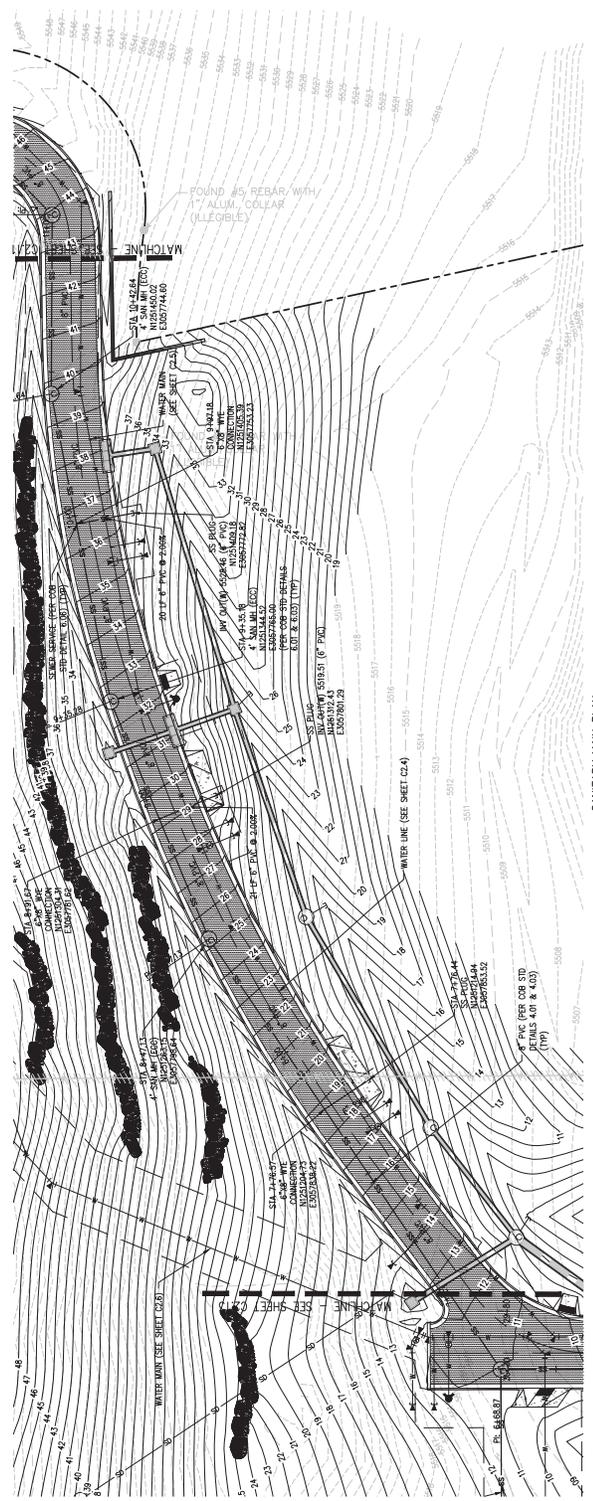
DESIGNED BY:	DR
DRAWN BY:	JAM
CHECKED BY:	CRK
DATE:	01/18/2018

THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE., BOULDER, CO 80303  
 SANITARY PLAN AND PROFILE

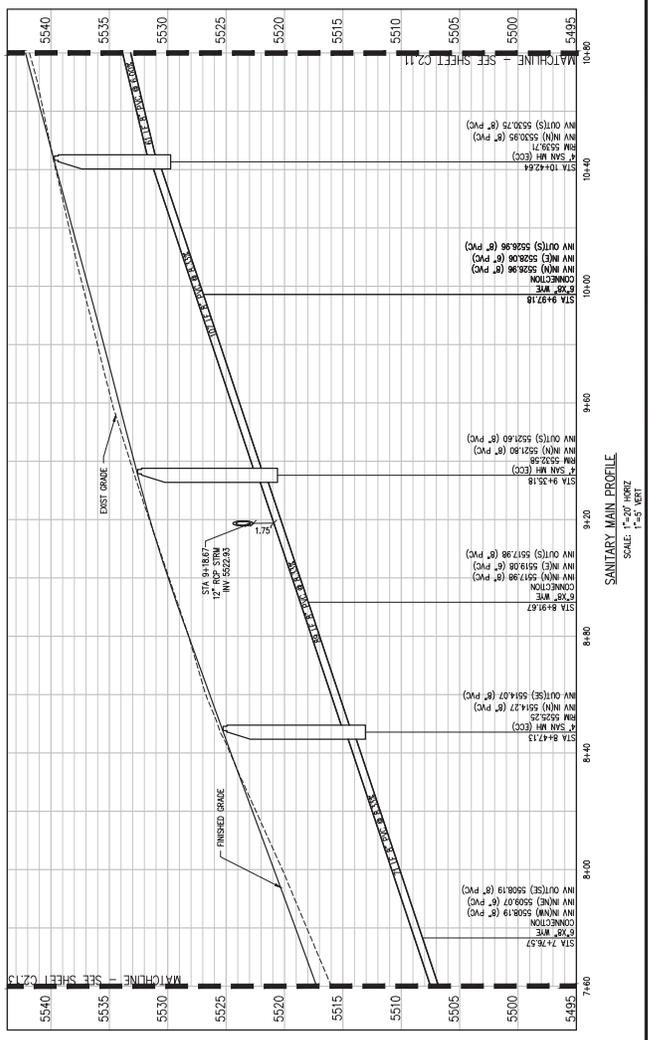
SHEET NO.  
**C2.12**



CITY OF BOULDER  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING CONSTRUCTION TRAINING  
 ENGINEERING REVIEW MANAGER  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 WATER/SEWER  
 TRANSPORTATION  
 DRAINAGE



SANITARY MAIN PLAN

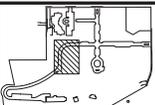


SANITARY MAIN PROFILE  
 SCALE: 1"=5' HORIZ  
 1"=5' VERT



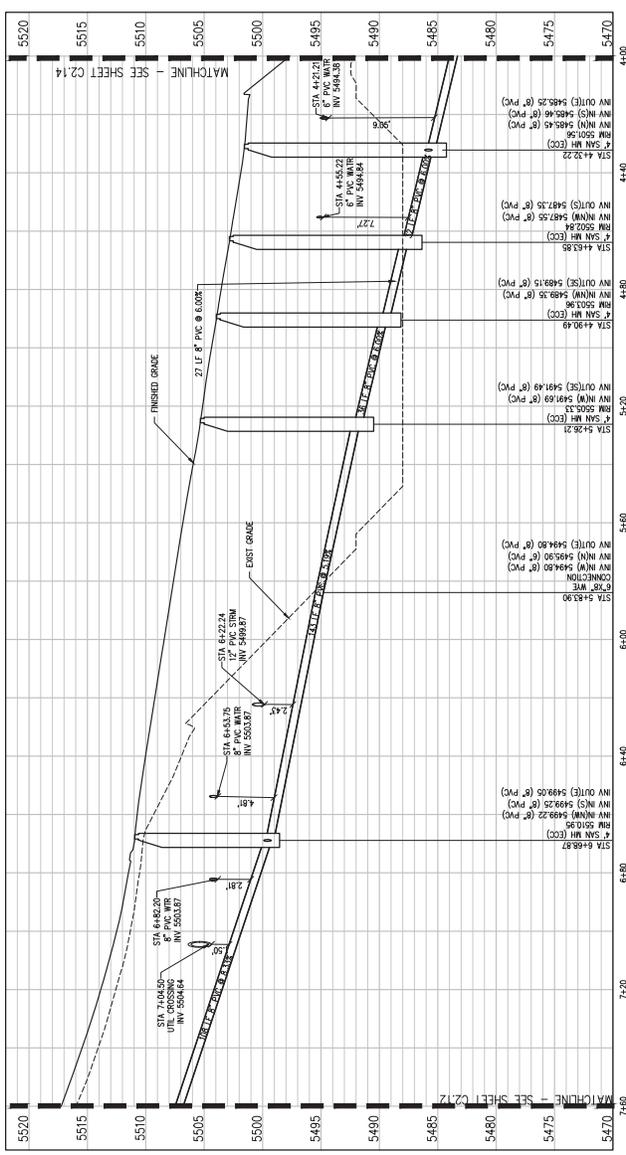
CITY OF BOULDER  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 WATER/SEWER  
 TRANSPORTATION  
 DRAINAGE

DESIGNED BY: JAM  
 DRAWN BY: JAM  
 CHECKED BY: JAM  
 JOB #: 200222  
 DATE: 01/18/2018

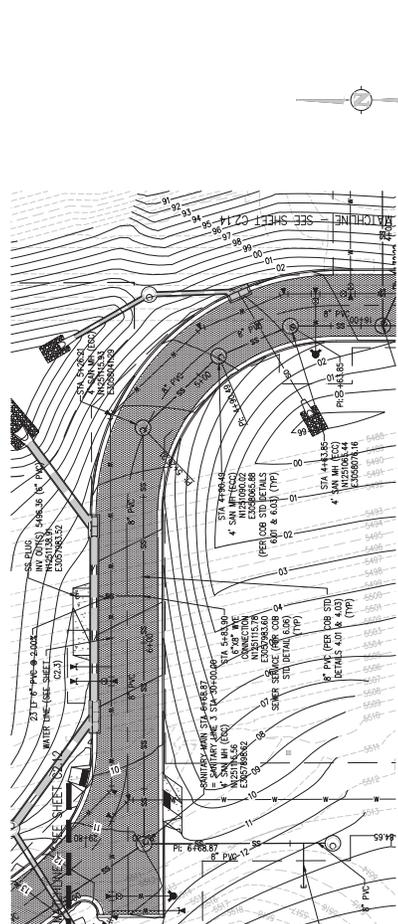


NO.	DATE	DESCRIPTION
2	06/05/2018	TECHNICAL DOCUMENT SUBMITTAL AND REVISION DESCRIPTION

pcs group inc.



SANITARY MAIN PROFILE  
 SCALE: 1"=20' HORIZ  
 1"=5' VERT



SANITARY MAIN PLAN







pcs group inc.  
 1555 S. 1000 E. Suite 100  
 Provo, UT 84604  
 (801) 734-1100  
 www.pcsgr.com

NO.	DATE	DESCRIPTION
2	06/02/19	DB
1	05/20/19	DB

TECHNICAL DOCUMENT SUBMITTAL NO. 1  
 REVISION DESCRIPTION

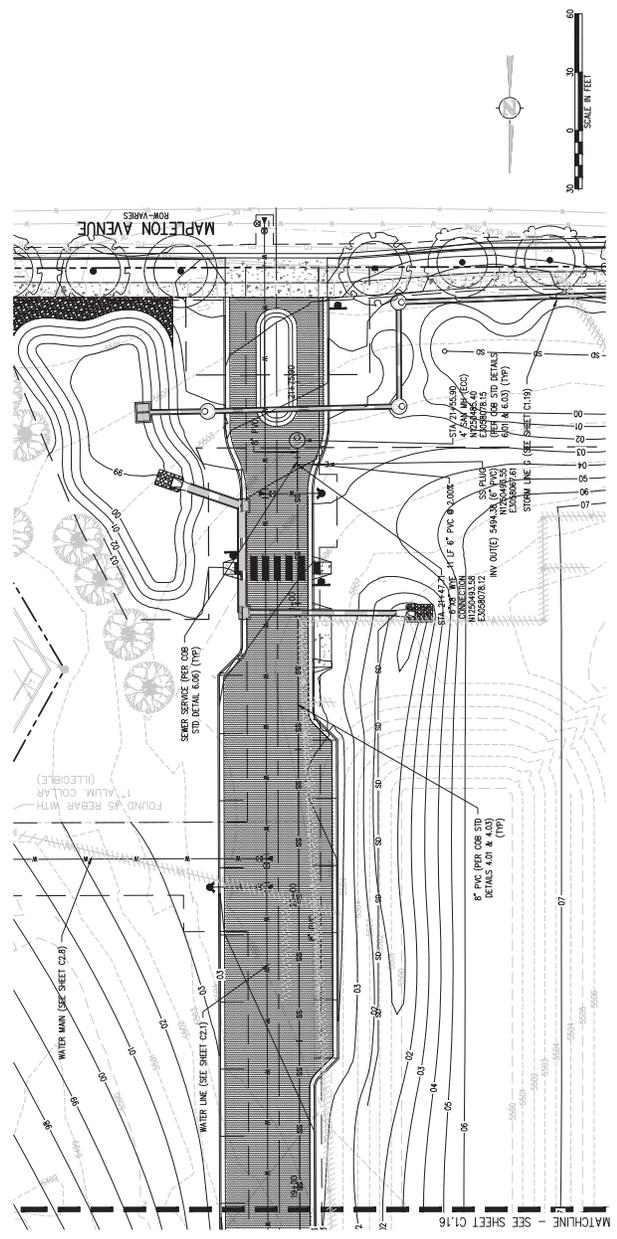
DESIGNED BY:	DB
DRAWN BY:	JMP
CHECKED BY:	CRK
DATE:	01/15/2019

THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE, BOULDER, CO 80303  
 SANITARY PLAN AND PROFILE

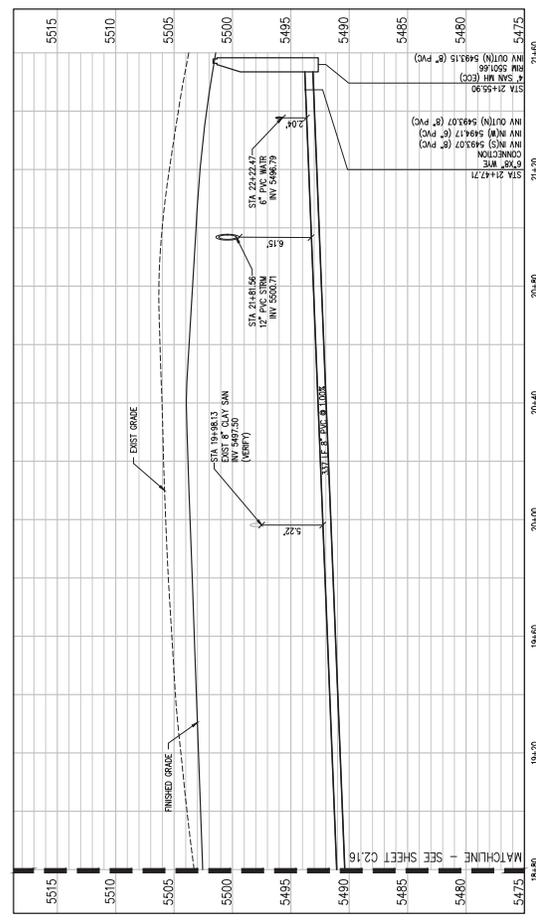
SHEET NO. C2.15



CITY OF BOULDER  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING CONSTRUCTION DIVISION  
 RECOMMENDATION FOR APPROVAL  
 PUBLIC WORKS DEPARTMENT  
 WATER/SEWER  
 TRANSPORTATION  
 DRAINAGE



SANITARY MAIN 2 PLAN



SANITARY MAIN 2 PROFILE

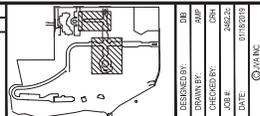
SCALE: 1"=20' HORIZ  
 1"=5' VERT





pcs group inc.  
 1515 14th Street, Suite 100  
 Boulder, CO 80302  
 Phone: 303.440.1100  
 Fax: 303.440.1101  
 Email: info@pcsgr.com

NO.	DATE	DESC	BY	CHKD	APPV
2	05/02/18	DB	TWY		
TECHNICAL DOCUMENT SUBMITTAL M/S					
REVISION DESCRIPTION					

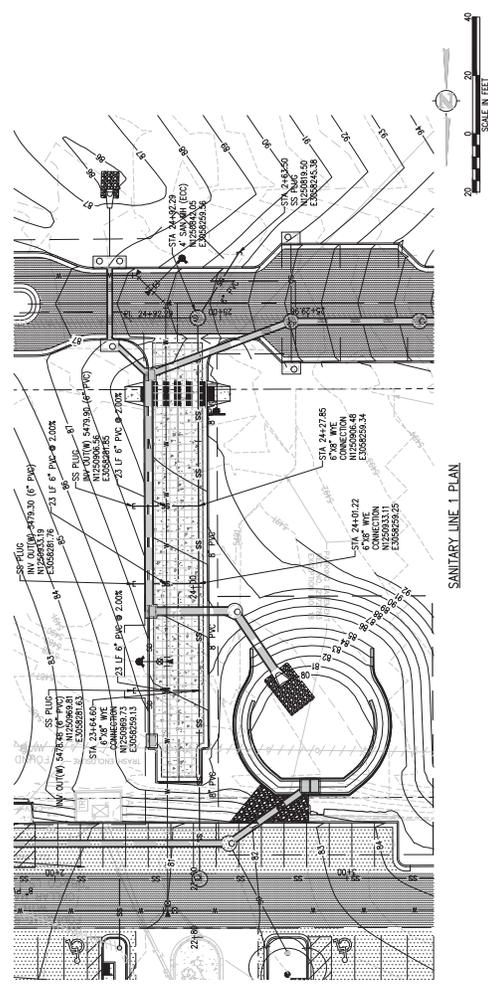


THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE, BOULDER, CO 80303  
 SANITARY PLAN AND PROFILE

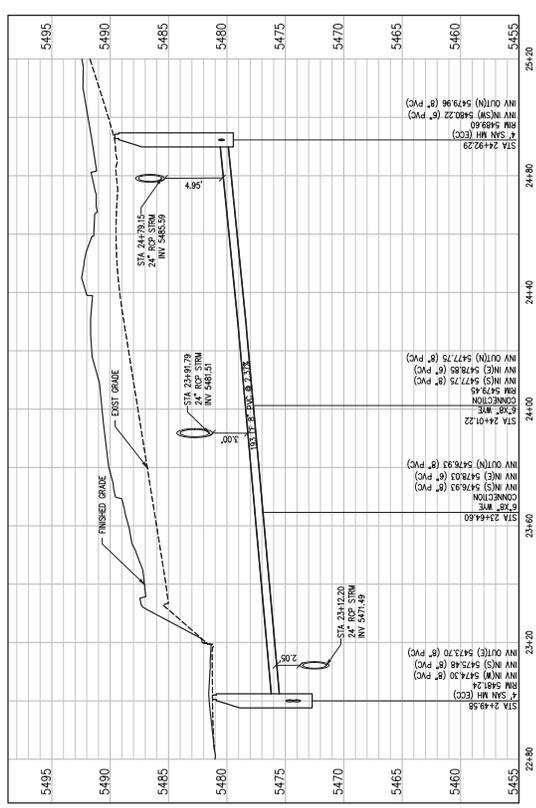
SHEET NO.  
**C2-17**



CITY OF BOULDER  
 PUBLIC WORKS DEPARTMENT  
 ENGINEERING REVIEW MANAGER  
 RECOMMENDATION FOR APPROVAL  
 WATER/SEWER  
 TRANSPORTATION  
 DRAINAGE



SANITARY LINE 1 PLAN

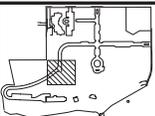


SANITARY LINE 1 PROFILE  
 SCALE: 1\"/>



pcs group inc.

NO.	DATE	DESC	BY	CHKD	TWNL	APPV
2	06/02/2018	DB	TWNL			
TECHNICAL DOCUMENT SUBMITTAL #10						
REVISION DESCRIPTION						



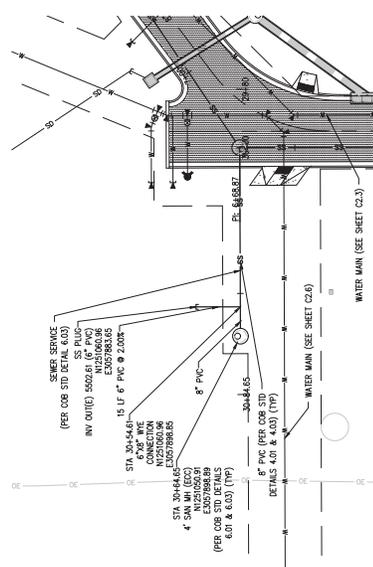
DESIGNED BY:	DB
DRAWN BY:	JAM
CHECKED BY:	OSK
DATE:	01/18/2018
PROJECT:	24822

THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE, BOULDER, CO 80303  
 SANITARY PLAN AND PROFILE

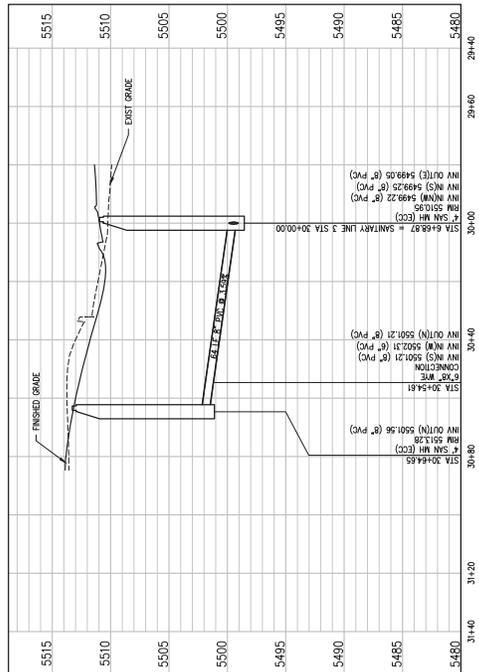
SHEET NO. C2.18



CITY OF BOULDER  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING CONSTRUCTION DIVISION  
 RECOMMENDATION FOR APPROVAL  
 ENGINEERING REVIEWER  
 TRANSPORTATION  
 DRAINAGE



SANITARY LINE 3 PLAN



SANITARY LINE 3 PROFILE

SCALE: 1"=20' HORIZ  
 1"=5' VERT



pcs group inc.

NO.	DATE	REVISION	DESCRIPTION
2	09/20/18	08	TECHNICAL DOCUMENT SUBMITTAL #10
1		07	



DESIGNED BY: SJB  
 DRAWN BY: AMP  
 CHECKED BY: GJM  
 JOB #: 26222  
 DATE: 01/15/2019  
 CITY OF BOULDER  
 UTILITY DETAILS

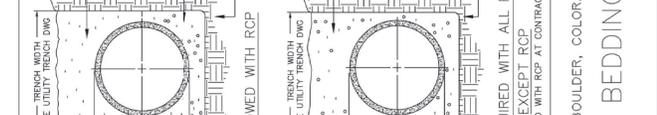
311 MAPLETON AVE., BOULDER, CO 80303  
 THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE



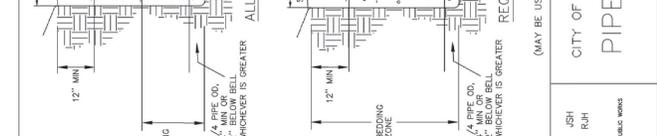
CITY OF BOULDER, COLORADO  
**PIPE BEDDING**  
 (MAY BE USED WITH RCP AT CONTRACTOR'S OPTION)  
 DRAWN BY: JSH  
 CHECKED BY: R.J.H.  
 APPROVED BY: DIRECTOR OF PUBLIC WORKS  
 issued: JULY 2, 1998  
 revised: OCT. 17, 2000  
 DRAWING NO. 4.03



CITY OF BOULDER, COLORADO  
**UTILITY TRENCH WIDER THAN 16"**  
 DRAWN BY: JSH  
 CHECKED BY: R.J.H.  
 APPROVED BY: DIRECTOR OF PUBLIC WORKS  
 issued: JULY 2, 1998  
 revised: OCT. 17, 2000  
 DRAWING NO. 4.04



CITY OF BOULDER, COLORADO  
**RESTORATION OF ASPHALT STREET EXCAVATIONS**  
 DRAWN BY: JSH  
 CHECKED BY: R.J.H.  
 APPROVED BY: DIRECTOR OF PUBLIC WORKS  
 issued: JULY 2, 1998  
 revised: OCT. 17, 2000  
 DRAWING NO. 4.05



CITY OF BOULDER, COLORADO  
**GROUND WATER BARRIER**  
 DRAWN BY: JSH  
 CHECKED BY: R.J.H.  
 APPROVED BY: DIRECTOR OF PUBLIC WORKS  
 issued: JULY 2, 1998  
 revised: OCT. 17, 2000  
 DRAWING NO. 4.06



CITY OF BOULDER, COLORADO  
**TYPICAL TRENCH SECTION**  
 DRAWN BY: JSH  
 CHECKED BY: R.J.H.  
 APPROVED BY: DIRECTOR OF PUBLIC WORKS  
 issued: JULY 2, 1998  
 revised: OCT. 17, 2000  
 DRAWING NO. 4.07

NOTES:

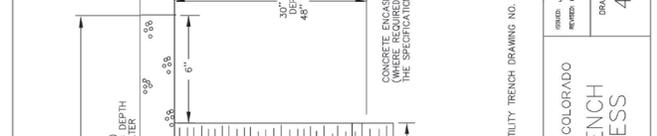
- PAVING SHALL COMPLY WITH CITY OF BOULDER SPECIFICATIONS.
- MINIMUM COVER TO BE BELOW OFFICIAL STREET GRADE.
- MINIMUM DISTANCE BETWEEN EDGE OF TRENCH AND EDGE OF ASPHALT, OR LIP OF CURBLINE, SHALL BE 3 FEET.
- REFER TO DRAWING NO. 4.04 FOR PAVEMENT RESTORATION.
- ON STATE HIGHWAYS, REFER TO CDOT UTILITY REQUIREMENTS.

PIPE DIAMETER	MINIMUM WIDTH	MAXIMUM WIDTH
6"	1'-0"	2'-10"
8"	1'-8"	2'-5"
12"	2'-0"	3'-0"
16"	2'-4"	3'-4"
20"	2'-8"	3'-8"
24"	3'-0"	4'-0"

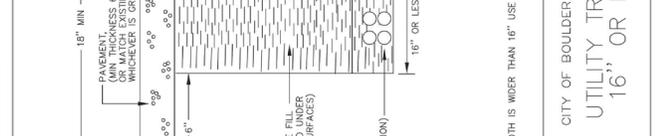
FOR TRENCHES GREATER THAN 5 FEET IN DEPTH, BE SLOPED AT 45° ANGLE OR SUITABLY BRACED NECESSARY FOR THE SAFETY AND PROTECTION OF UTILITIES AS REQUIRED BY G.S.M.A.



CITY OF BOULDER, COLORADO  
**UTILITY TRENCH 16" OR LESS**  
 DRAWN BY: JSH  
 CHECKED BY: R.J.H.  
 APPROVED BY: DIRECTOR OF PUBLIC WORKS  
 issued: JULY 2, 1998  
 revised: OCT. 17, 2000  
 DRAWING NO. 4.01



CITY OF BOULDER, COLORADO  
**UTILITY TRENCH 16" OR LESS**  
 DRAWN BY: JSH  
 CHECKED BY: R.J.H.  
 APPROVED BY: DIRECTOR OF PUBLIC WORKS  
 issued: JULY 2, 1998  
 revised: OCT. 17, 2000  
 DRAWING NO. 4.01



CITY OF BOULDER, COLORADO  
**UTILITY TRENCH 16" OR LESS**  
 DRAWN BY: JSH  
 CHECKED BY: R.J.H.  
 APPROVED BY: DIRECTOR OF PUBLIC WORKS  
 issued: JULY 2, 1998  
 revised: OCT. 17, 2000  
 DRAWING NO. 4.01



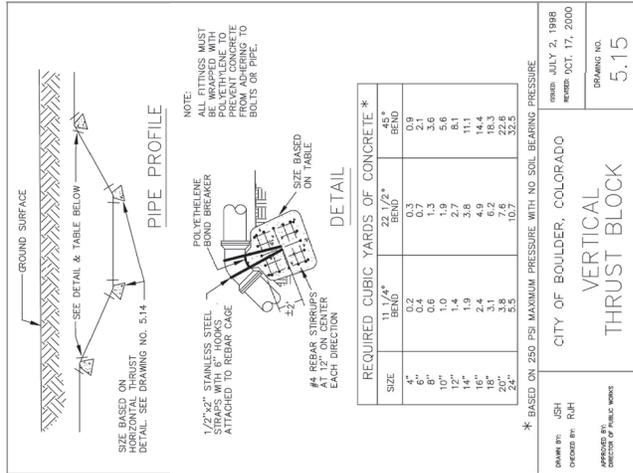
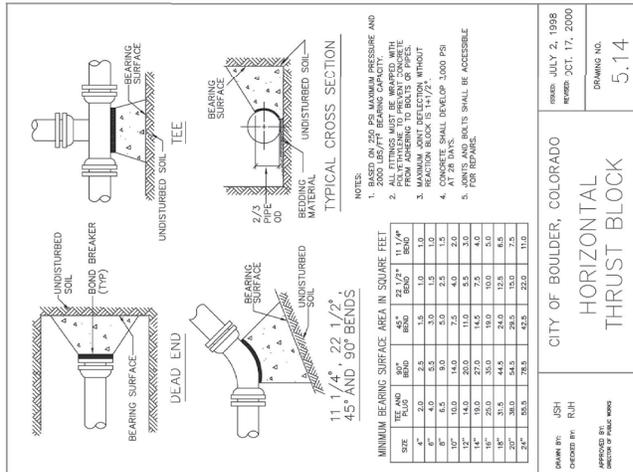
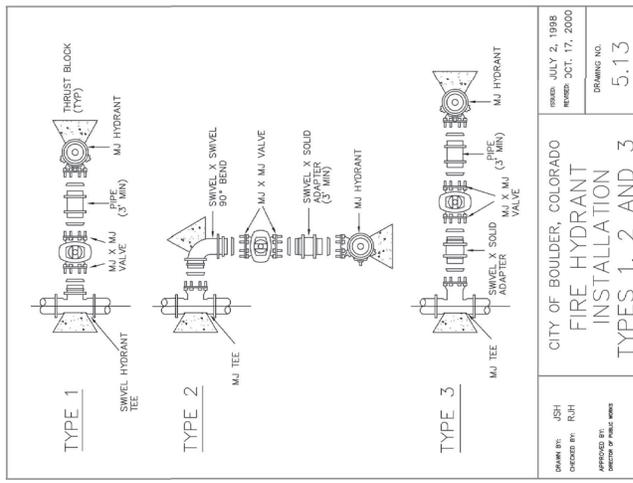
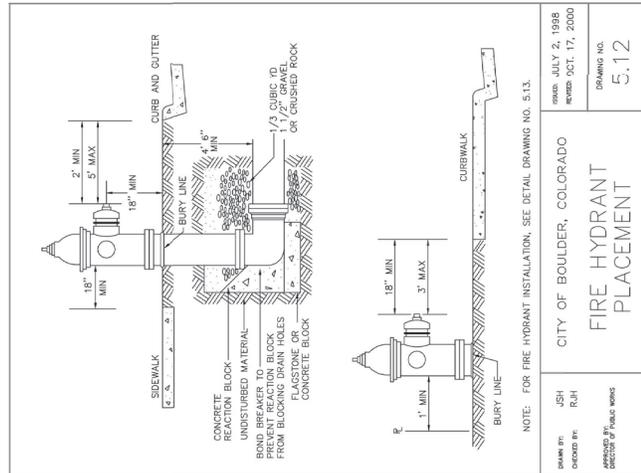
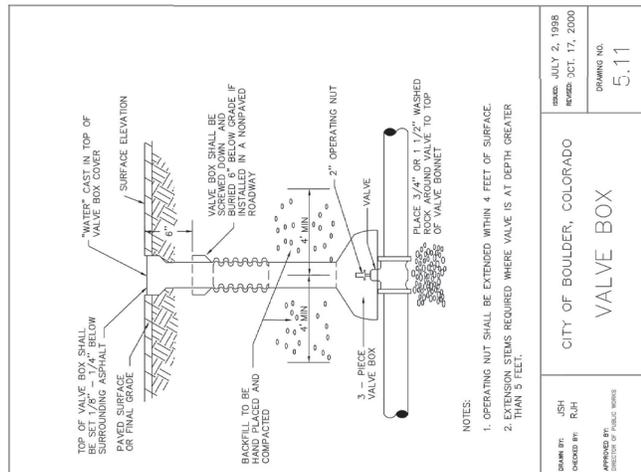
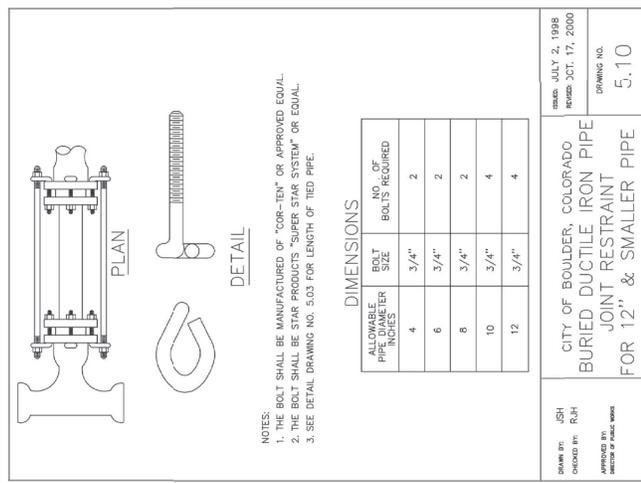
CITY OF BOULDER, COLORADO  
**UTILITY TRENCH 16" OR LESS**  
 DRAWN BY: JSH  
 CHECKED BY: R.J.H.  
 APPROVED BY: DIRECTOR OF PUBLIC WORKS  
 issued: JULY 2, 1998  
 revised: OCT. 17, 2000  
 DRAWING NO. 4.01



CITY OF BOULDER, COLORADO  
**UTILITY TRENCH 16" OR LESS**  
 DRAWN BY: JSH  
 CHECKED BY: R.J.H.  
 APPROVED BY: DIRECTOR OF PUBLIC WORKS  
 issued: JULY 2, 1998  
 revised: OCT. 17, 2000  
 DRAWING NO. 4.01







**pcs group inc.**  
1333 FORT COLLINS BLVD STE 200  
FORT COLLINS, CO 80504  
970.226.1111  
www.pcsgr.com

NO. DATE RESS DWN  
2 09/30/98 08 TWM

TECHNICAL DOCUMENT SUBMITTAL #10  
REVISION DESCRIPTION

**THE ACADEMY AT MAPLETON HILL**  
INFRASTRUCTURE PACKAGE  
311 MAPLETON AVE., BOULDER, CO 80303

DESIGNED BY: CDR  
DRAWN BY: AMP  
CHECKED BY: SAC/CS  
JOB #: 011832019  
DATE: 01/18/2019  
SCALE: 1/8" = 1'-0"

WATER LINE DETAILS

SHEET NO. CD2.3

CITY OF BOULDER  
PUBLIC WORKS DEPARTMENT  
RECOMMENDATION FOR APPROVAL  
WATER/SEWER  
TRANSPORTATION  
FINANCE

ENGINEERING REVIEW MANAGER: [Signature]  
DATE: [Date]  
ENGINEERING REVIEW MANAGER: [Signature]  
DATE: [Date]

NO.	DATE	REVISION	DESCRIPTION
2	09/30/2018	08B	TECHNICAL DOCUMENT SIGHTLINE #10
1			



THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE, BOULDER, CO 80303

CD2.4  
 SHEET NO.

**NOTES:**

1. SHOULD ANY SITUATION ARISE OTHER THAN SHOWN CONCERNING THE DEPTH OR OBSTRUCTION OF SERVICE LINE OR PLACEMENT OF METER PIT, CALL THE CITY OF BOULDER FOR INSPECTION.
2. METER TO BE PLACED IN SIDEWALK OR DRIVE.
3. PLACEMENT OF METER PIT SHALL BE 2" FROM CENTERLINE OF LID TO BACK EDGE OF METER PIT. METER PIT SHALL BE 2" FROM CENTERLINE OF LID TO BACK EDGE OF METER PIT. METER PIT SHALL BE 2" FROM CENTERLINE OF LID TO BACK EDGE OF METER PIT. METER PIT SHALL BE 2" FROM CENTERLINE OF LID TO BACK EDGE OF METER PIT.
4. METER, LID, VALVE & FITTINGS SHALL BE PURCHASED FROM THE CITY OF BOULDER.
5. METER SHALL BE INSTALLED BY CITY.
6. CORPORATION STOP AND DOUBLE STRAP BRONZE SERVICE SADDLE REQUIRED FOR PVC WATER MAINS.

**PROFILE**

CITY OF BOULDER, COLORADO  
**STANDARD**  
**1 1/2" - 2" SERVICE**  
 DRAWING NO. 5.17A

**NOTES:**

1. SHOULD ANY SITUATION ARISE OTHER THAN SHOWN CONCERNING THE DEPTH OR OBSTRUCTION OF SERVICE LINE OR PLACEMENT OF METER PIT, CALL THE CITY OF BOULDER FOR INSPECTION.
2. METER TO BE PLACED IN SIDEWALK OR DRIVE.
3. PLACEMENT OF METER PIT SHALL BE 2" FROM CENTERLINE OF LID TO BACK EDGE OF METER PIT. METER PIT SHALL BE 2" FROM CENTERLINE OF LID TO BACK EDGE OF METER PIT. METER PIT SHALL BE 2" FROM CENTERLINE OF LID TO BACK EDGE OF METER PIT.
4. METER, LID, VALVE & FITTINGS SHALL BE PURCHASED FROM THE CITY OF BOULDER.
5. METER SHALL BE INSTALLED BY THE CITY.
6. CORPORATION STOP AND DOUBLE STRAP BRONZE SERVICE SADDLE REQUIRED FOR PVC WATER MAINS.

**PROFILE**

CITY OF BOULDER, COLORADO  
**STANDARD**  
**1 1/2" - 2" IRRIGATION SERVICE**  
 DRAWING NO. 5.17D

**NOTES:**

1. METER PIT TO BE PLACED IN PUBLIC ROW OR EASEMENT. DO NOT PLACE IN SIDEWALK OR DRIVE.
2. SHOULD ANY SITUATION ARISE OTHER THAN SHOWN CONCERNING THE DEPTH OR OBSTRUCTION OF SERVICE LINE OR THE PLACEMENT OF METER PIT, CALL THE CITY OF BOULDER FOR INSPECTION.

**METER PIT PLAN**

SEE DETAIL DRAWING NO. 5.16A FOR PROFILE VIEW

CITY OF BOULDER, COLORADO  
**STANDARD METER PIT**  
**3/4" - 1" SERVICES**  
 DRAWING NO. 5.16B

**NOTES:**

1. SHOULD ANY SITUATION ARISE OTHER THAN SHOWN CONCERNING THE DEPTH OR OBSTRUCTION OF SERVICE LINE OR PLACEMENT OF METER PIT, CALL THE CITY OF BOULDER FOR INSPECTION.
2. METER TO BE PLACED IN SIDEWALK OR DRIVE.
3. PLACEMENT OF METER PIT SHALL BE 2" FROM CENTERLINE OF LID TO BACK EDGE OF METER PIT. METER PIT SHALL BE 2" FROM CENTERLINE OF LID TO BACK EDGE OF METER PIT. METER PIT SHALL BE 2" FROM CENTERLINE OF LID TO BACK EDGE OF METER PIT.
4. METER, LID, VALVE & FITTINGS SHALL BE PURCHASED FROM THE CITY OF BOULDER.
5. METER SHALL BE INSTALLED BY THE CITY.
6. CORPORATION STOP AND DOUBLE STRAP BRONZE SERVICE SADDLE REQUIRED FOR PVC WATER MAINS.

**METER DETAIL**

CITY OF BOULDER, COLORADO  
**STANDARD**  
**1 1/2" - 2" METER SETTING**  
 DRAWING NO. 5.17C

**NOTES:**

1. SHOULD ANY SITUATION ARISE OTHER THAN SHOWN CONCERNING THE DEPTH OR OBSTRUCTION OF SERVICE LINE OR PLACEMENT OF METER PIT, CALL THE CITY OF BOULDER FOR INSPECTION.
2. METER TO BE PLACED IN SIDEWALK OR DRIVE.
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5. METER SHALL BE INSTALLED BY CITY.
6. CORPORATION STOP AND DOUBLE STRAP BRONZE SERVICE SADDLE REQUIRED FOR PVC WATER MAINS.

**PROFILE**

CITY OF BOULDER, COLORADO  
**STANDARD**  
**3/4" - 1" SERVICE**  
 DRAWING NO. 5.16A

**NOTES:**

1. SHOULD ANY SITUATION ARISE OTHER THAN SHOWN CONCERNING THE DEPTH OR OBSTRUCTION OF SERVICE LINE OR PLACEMENT OF METER PIT, CALL THE CITY OF BOULDER FOR INSPECTION.
2. METER TO BE PLACED IN SIDEWALK OR DRIVE.
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4. METER, LID, VALVE & FITTINGS SHALL BE PURCHASED FROM THE CITY OF BOULDER.
5. METER SHALL BE INSTALLED BY THE CITY.
6. CORPORATION STOP AND DOUBLE STRAP BRONZE SERVICE SADDLE REQUIRED FOR PVC WATER MAINS.

**PROFILE**

CITY OF BOULDER, COLORADO  
**STANDARD**  
**3/4" - 1" SERVICE**  
 DRAWING NO. 5.16A

**NOTES:**

1. SHOULD ANY SITUATION ARISE OTHER THAN SHOWN CONCERNING THE DEPTH OR OBSTRUCTION OF SERVICE LINE OR PLACEMENT OF METER PIT, CALL THE CITY OF BOULDER FOR INSPECTION.
2. METER TO BE PLACED IN SIDEWALK OR DRIVE.
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4. METER, LID, VALVE & FITTINGS SHALL BE PURCHASED FROM THE CITY OF BOULDER.
5. METER SHALL BE INSTALLED BY CITY.
6. CORPORATION STOP AND DOUBLE STRAP BRONZE SERVICE SADDLE REQUIRED FOR PVC WATER MAINS.

**PROFILE**

CITY OF BOULDER, COLORADO  
**STANDARD**  
**3/4" - 1" SERVICE**  
 DRAWING NO. 5.16A

**NOTES:**

1. SHOULD ANY SITUATION ARISE OTHER THAN SHOWN CONCERNING THE DEPTH OR OBSTRUCTION OF SERVICE LINE OR PLACEMENT OF METER PIT, CALL THE CITY OF BOULDER FOR INSPECTION.
2. METER TO BE PLACED IN SIDEWALK OR DRIVE.
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5. METER SHALL BE INSTALLED BY THE CITY.
6. CORPORATION STOP AND DOUBLE STRAP BRONZE SERVICE SADDLE REQUIRED FOR PVC WATER MAINS.

**PLAN**

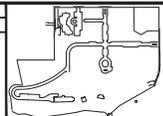
CITY OF BOULDER, COLORADO  
**STANDARD**  
**3/4" - 1" SERVICE**  
 DRAWING NO. 5.16A





pcs group inc.  
 1515 14th Street, Suite 1000  
 Boulder, CO 80302  
 (303) 440-1000  
 www.pcsgr.com

NO.	DATE	BY	DESC	OWN	TECHNICAL DOCUMENT SUBMITTAL NO.	REVISION DESCRIPTION
2	06/02/2018	DB	TW			



DESIGNED BY: DB  
 DRAWN BY: JAM  
 CHECKED BY: JAM  
 XREF: 24022  
 DATE: 01/25/18

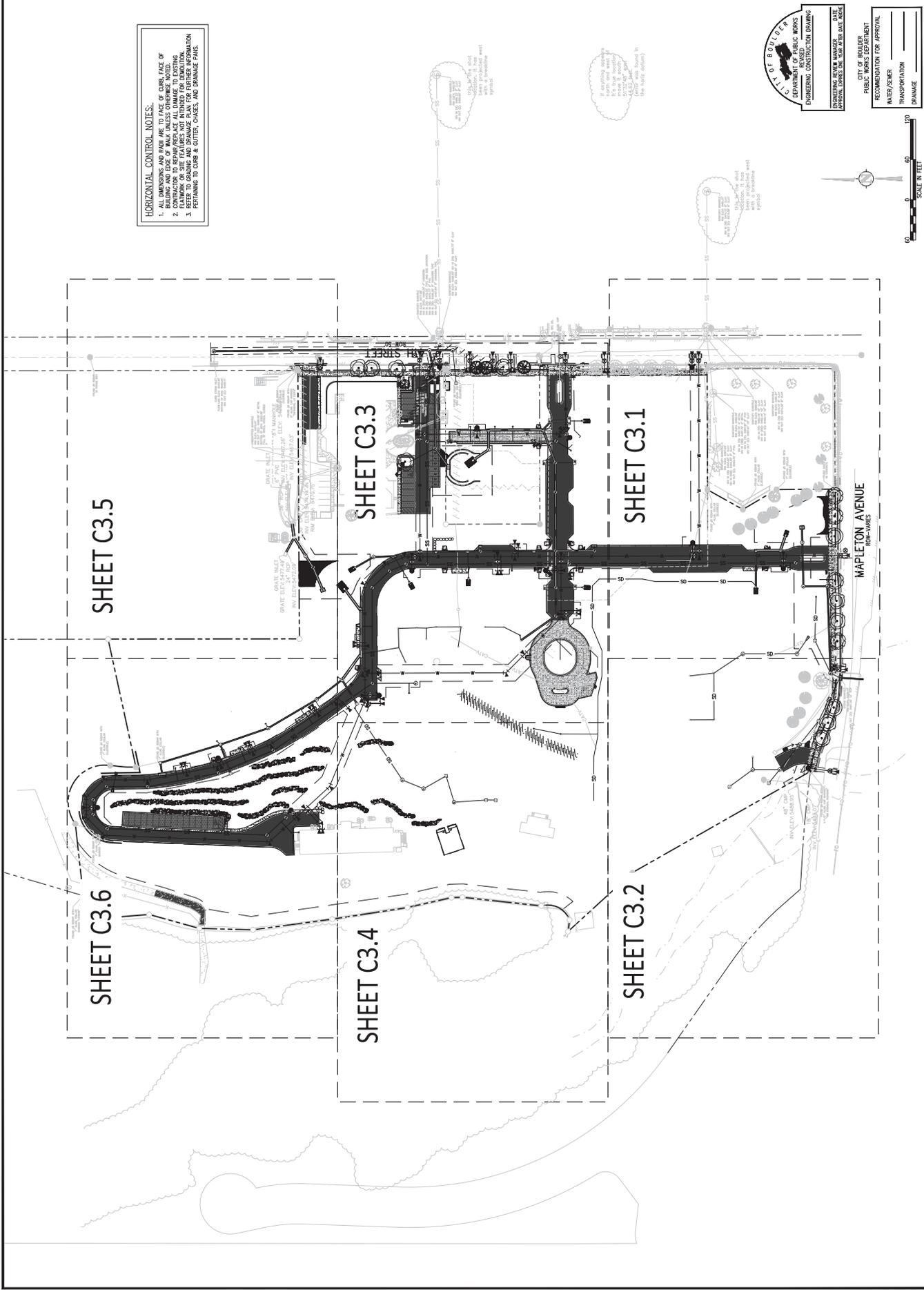
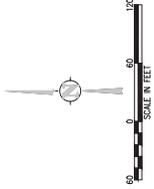
THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE., BOULDER, CO 80303  
 OVERALL HORIZONTAL CONTROL PLAN

SHEET NO.  
**C3.0**

**HORIZONTAL CONTROL NOTES:**  
 1. ALL DIMENSIONS AND DIM LINES TO FACE OF CURB, FACE OF PAVEMENT, OR FACE OF CONCRETE CURB.  
 2. CONTRACTOR TO REPAIR/REPLACE ALL DAMAGE TO EXISTING CURB, PAVEMENT, OR CONCRETE CURB.  
 3. REFER TO GRADING AND DRAINAGE PLANS FOR FURTHER INFORMATION PERTAINING TO CURB & GUTTER, CHASES, AND DRAINAGE PANS.



CITY OF BOULDER  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING CONSTRUCTION DIVISION  
 ENGINEERING REVIEW MANAGER  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 WATER/SEWER  
 TRANSPORTATION  
 DRAINAGE







PCS GROUP INC.  
 1515 14th Street, Suite 100  
 Boulder, CO 80302  
 (303) 440-1100  
 www.pcsgr.com

PROJECT NO. 151514  
 PROJECT NAME: THE ACADEMY AT MAPLETON HILL  
 PROJECT ADDRESS: 311 MAPLETON AVE., BOULDER, CO 80303

DATE: 01/13/2016  
 CHECKED BY: [Signature]  
 DRAWN BY: [Signature]

NO. DATE DESG DWG  
 2 06/05/2015 DB TYP  
 1 06/05/2015 DB TYP

TECHNICAL DOCUMENT SUBMITTAL NO. 104  
 REFERENCE DESCRIPTION

REVISIONS

DATE: 01/13/2016

CHECKED BY: [Signature]

DRAWN BY: [Signature]

PROJECT NO. 151514

PROJECT NAME: THE ACADEMY AT MAPLETON HILL

PROJECT ADDRESS: 311 MAPLETON AVE., BOULDER, CO 80303

DATE: 01/13/2016

CHECKED BY: [Signature]

DRAWN BY: [Signature]

PROJECT NO. 151514

PROJECT NAME: THE ACADEMY AT MAPLETON HILL

PROJECT ADDRESS: 311 MAPLETON AVE., BOULDER, CO 80303

DATE: 01/13/2016

CHECKED BY: [Signature]

DRAWN BY: [Signature]

PROJECT NO. 151514

PROJECT NAME: THE ACADEMY AT MAPLETON HILL

PROJECT ADDRESS: 311 MAPLETON AVE., BOULDER, CO 80303

DATE: 01/13/2016

CHECKED BY: [Signature]

DRAWN BY: [Signature]

PROJECT NO. 151514

PROJECT NAME: THE ACADEMY AT MAPLETON HILL

PROJECT ADDRESS: 311 MAPLETON AVE., BOULDER, CO 80303

DATE: 01/13/2016

CHECKED BY: [Signature]

DRAWN BY: [Signature]

PROJECT NO. 151514

PROJECT NAME: THE ACADEMY AT MAPLETON HILL

PROJECT ADDRESS: 311 MAPLETON AVE., BOULDER, CO 80303

DATE: 01/13/2016

CHECKED BY: [Signature]

DRAWN BY: [Signature]

PROJECT NO. 151514

PROJECT NAME: THE ACADEMY AT MAPLETON HILL

PROJECT ADDRESS: 311 MAPLETON AVE., BOULDER, CO 80303

DATE: 01/13/2016

CHECKED BY: [Signature]

DRAWN BY: [Signature]

PROJECT NO. 151514

PROJECT NAME: THE ACADEMY AT MAPLETON HILL

PROJECT ADDRESS: 311 MAPLETON AVE., BOULDER, CO 80303

DATE: 01/13/2016

CHECKED BY: [Signature]

DRAWN BY: [Signature]

PROJECT NO. 151514

PROJECT NAME: THE ACADEMY AT MAPLETON HILL

PROJECT ADDRESS: 311 MAPLETON AVE., BOULDER, CO 80303

DATE: 01/13/2016

CHECKED BY: [Signature]

DRAWN BY: [Signature]

PROJECT NO. 151514

PROJECT NAME: THE ACADEMY AT MAPLETON HILL

PROJECT ADDRESS: 311 MAPLETON AVE., BOULDER, CO 80303

DATE: 01/13/2016

CHECKED BY: [Signature]

DRAWN BY: [Signature]

PROJECT NO. 151514

PROJECT NAME: THE ACADEMY AT MAPLETON HILL

PROJECT ADDRESS: 311 MAPLETON AVE., BOULDER, CO 80303

DATE: 01/13/2016

CHECKED BY: [Signature]

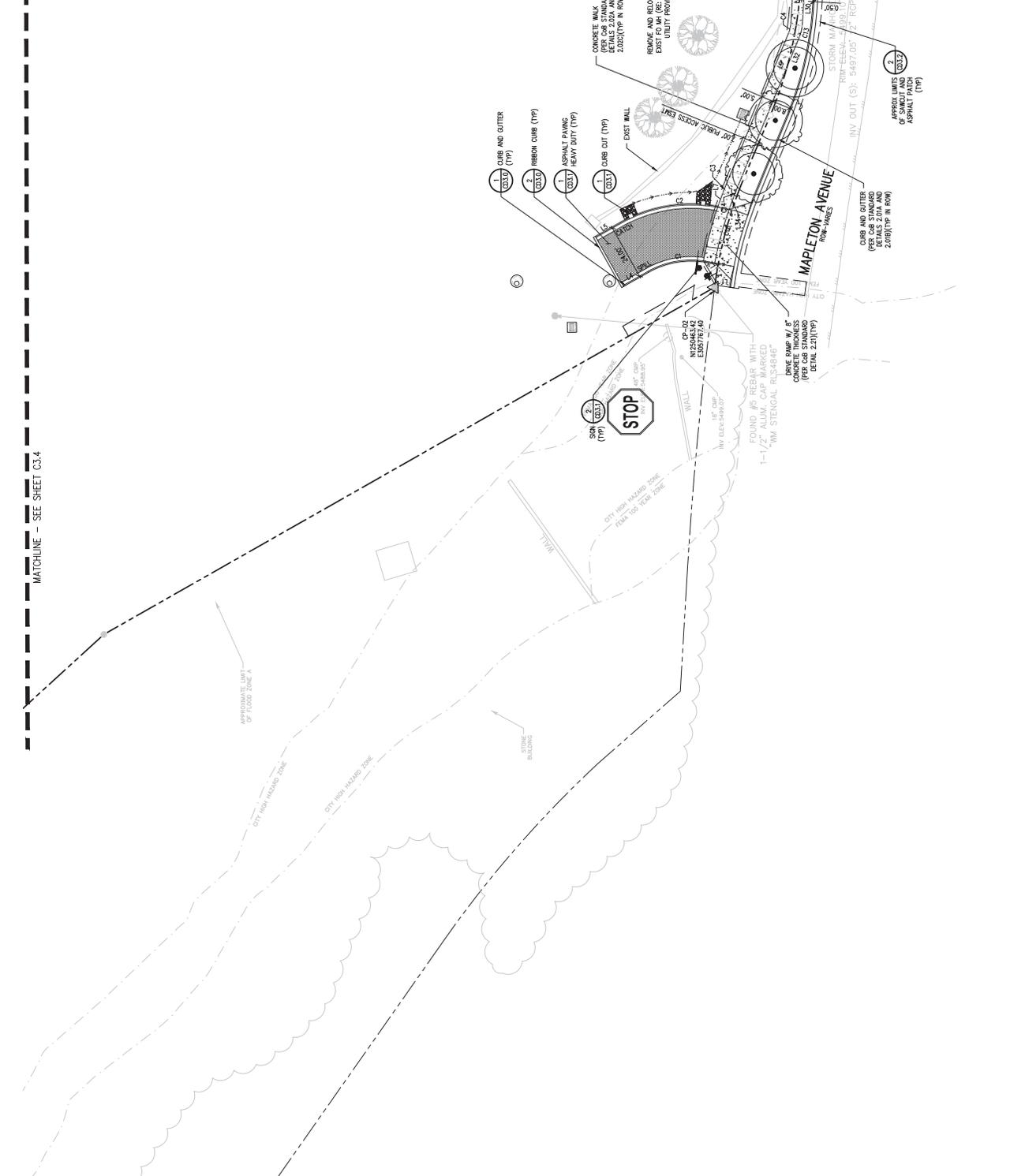
DRAWN BY: [Signature]

**HORIZONTAL CONTROL NOTES:**

1. ALL DIMENSIONS AND RADII ARE TO FACE OF CURB, FACE OF BULBING AND EDGE OF WALK UNLESS OTHERWISE NOTED.
2. FLANKING OF SITE FEATURES NOT INTENDED FOR REMOVAL.
3. ALL DIMENSIONS ARE TO FACE OF CURB, FACE OF BULBING AND EDGE OF WALK UNLESS OTHERWISE NOTED.
4. SEE SHEET C3.7 FOR LINE AND CURVE TABLES.

**PAVING LEGEND:**

- COMPOSITE CONCRETE PAVING
- FULL DEPTH ASPHALT PAVING
- FULL DEPTH ASPHALT PAVING (HEAVY DUTY)
- 2" MILL & OVERLAY



MATCHLINE - SEE SHEET C3.4

MATCHLINE - SEE SHEET C3.1

MATCHLINE - SEE SHEET C3.4

MATCHLINE - SEE SHEET C3.1

MATCHLINE - SEE SHEET C3.4

MATCHLINE - SEE SHEET C3.1

MATCHLINE - SEE SHEET C3.4

MATCHLINE - SEE SHEET C3.1

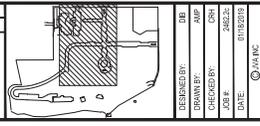
MATCHLINE - SEE SHEET C3.4

MATCHLINE - SEE SHEET C3.1



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www.pcsgr.com

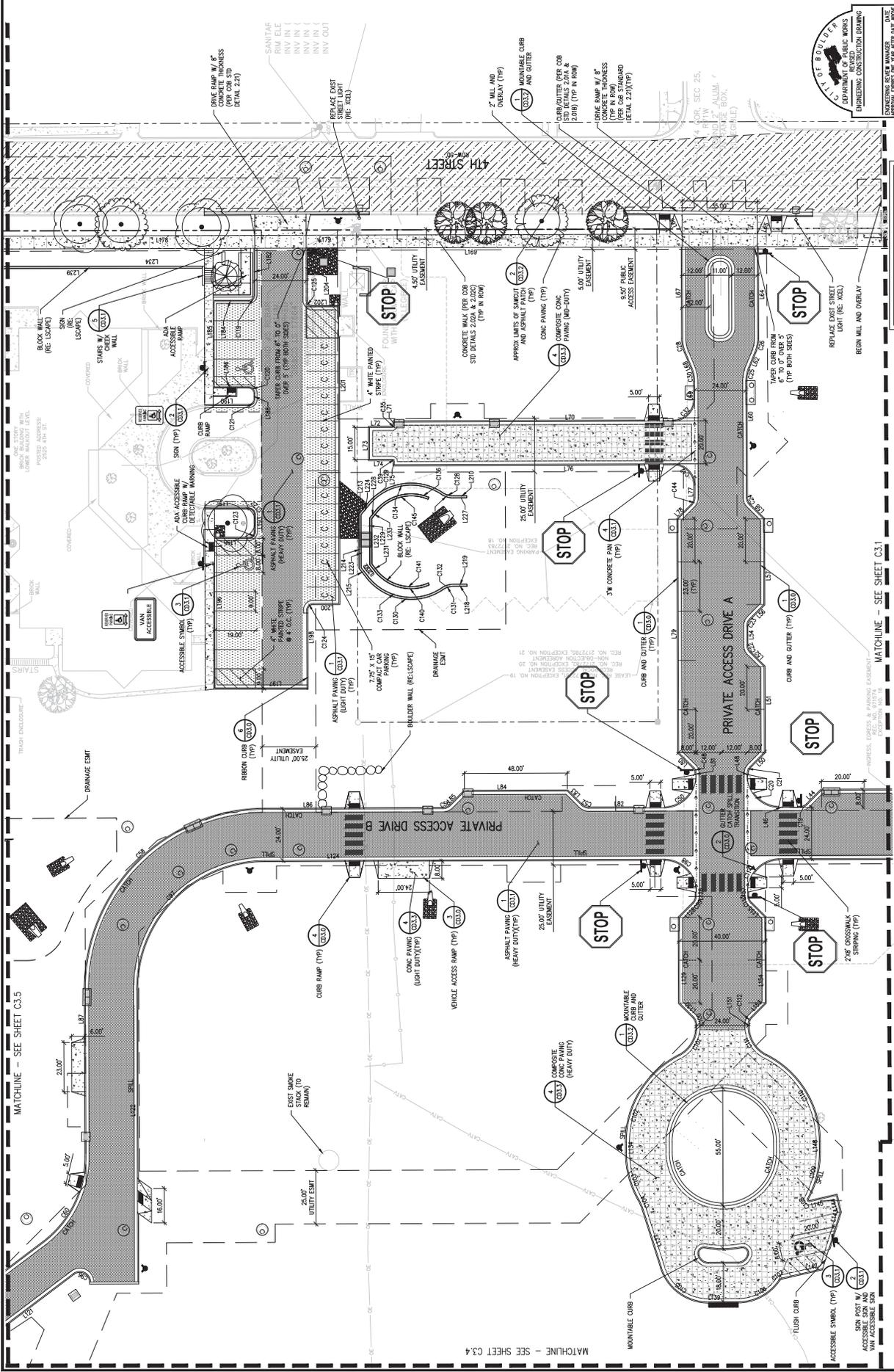
NO.	DATE	DESS	BY	APP	REVISION DESCRIPTION
1	09/05/2018	DB	TWM	DB	TECHNICAL DOCUMENT SUBMITTALS
2	09/05/2018	DB	TWM	DB	



THE ACADEMY AT MAPLETON HILL  
INFRASTRUCTURE PACKAGE  
311 MAPLETON AVE., BOULDER, CO 80303

DESIGNED BY: DB  
DRAWN BY: DB  
CHECKED BY: DB  
DATE: 01/18/2018

DETAILED HORIZONTAL CONTROL PLAN  
SHEET NO. C3.3



CITY OF BOULDER  
ENGINEERING DEPARTMENT  
ENGINEERING MANAGER  
PHILIP L. HARRIS, P.E.  
DATE: 01/18/2018

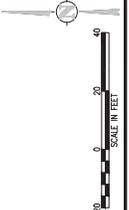
PUBLIC WORKS DEPARTMENT  
RECOMMENDATION FOR APPROVAL  
WATER/SEWER  
TRANSPORTATION  
DRAINAGE

**PAVING LEGEND**

- 1. COMPOSITE CONCRETE PAVING (LIGHT DUTY)
- 2. FULL DEPTH ASPHALT PAVING (HEAVY DUTY)
- 3. FULL DEPTH ASPHALT PAVING (HEAVY DUTY)
- 4. 2" MILL & OVERLAY

**HORIZONTAL CONTROL NOTES:**

1. ALL DIMENSIONS AND RAMP ARE TO FACE OF CURB, FACE OF CURB AND EDGE OF WALK UNLESS OTHERWISE NOTED.
2. DIMENSIONS OF SIDEWALKS AND DRIVEWAYS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
3. REFER TO GRADING AND DRAINAGE PLAN FOR FURTHER INFORMATION ON THE LOCATION OF CURBS, GUTTERS, AND DRAINAGE PANS.
4. SEE SHEET C3.7 FOR LINE AND CURVE TABLES



MATCHLINE - SEE SHEET C3.5

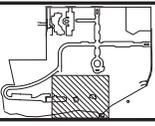
MATCHLINE - SEE SHEET C3.4



pcs group inc.

NO.	DATE	DESC	BY	CHKD	APP
1	06/02/2018	DRN	TMM	DB	JAM
2	06/02/2018	DRN	TMM	DB	JAM

TECHNICAL DOCUMENT SUBMITTAL NO. 1318  
REVISION DESCRIPTION



DESIGNED BY:	DB
DRAWN BY:	JAM
CHECKED BY:	DB
DATE:	01/13/2018
PROJECT:	24622
DATE:	01/13/2018

THE ACADEMY AT MAPLETON HILL  
INFRASTRUCTURE PACKAGE  
311 MAPLETON AVE, BOULDER, CO 80303  
DETAILED HORIZONTAL CONTROL PLAN

SHEET NO. C3.4

**HORIZONTAL CONTROL NOTES.**

1. ALL DIMENSIONS AND RAIN ARE TO FACE OF CURB, FACE OF CURB TO FACE OF SIDEWALK, AND FACE OF SIDEWALK TO FACE OF PLANTING OR SITE FEATURES NOT INTENDED FOR REMEDIATION CONTRACTOR TO REPAIR/REPLACE ALL DAMAGE TO EXISTING PAVING OR SITE FEATURES NOT INTENDED FOR REMEDIATION CONTRACTOR TO REPAIR/REPLACE ALL DAMAGE TO EXISTING PAVING TO CURB & GUTTER, CHANGES, AND DRAINAGE PANS.
2. SEE SHEET C3.7 FOR LINE AND CURVE TABLES

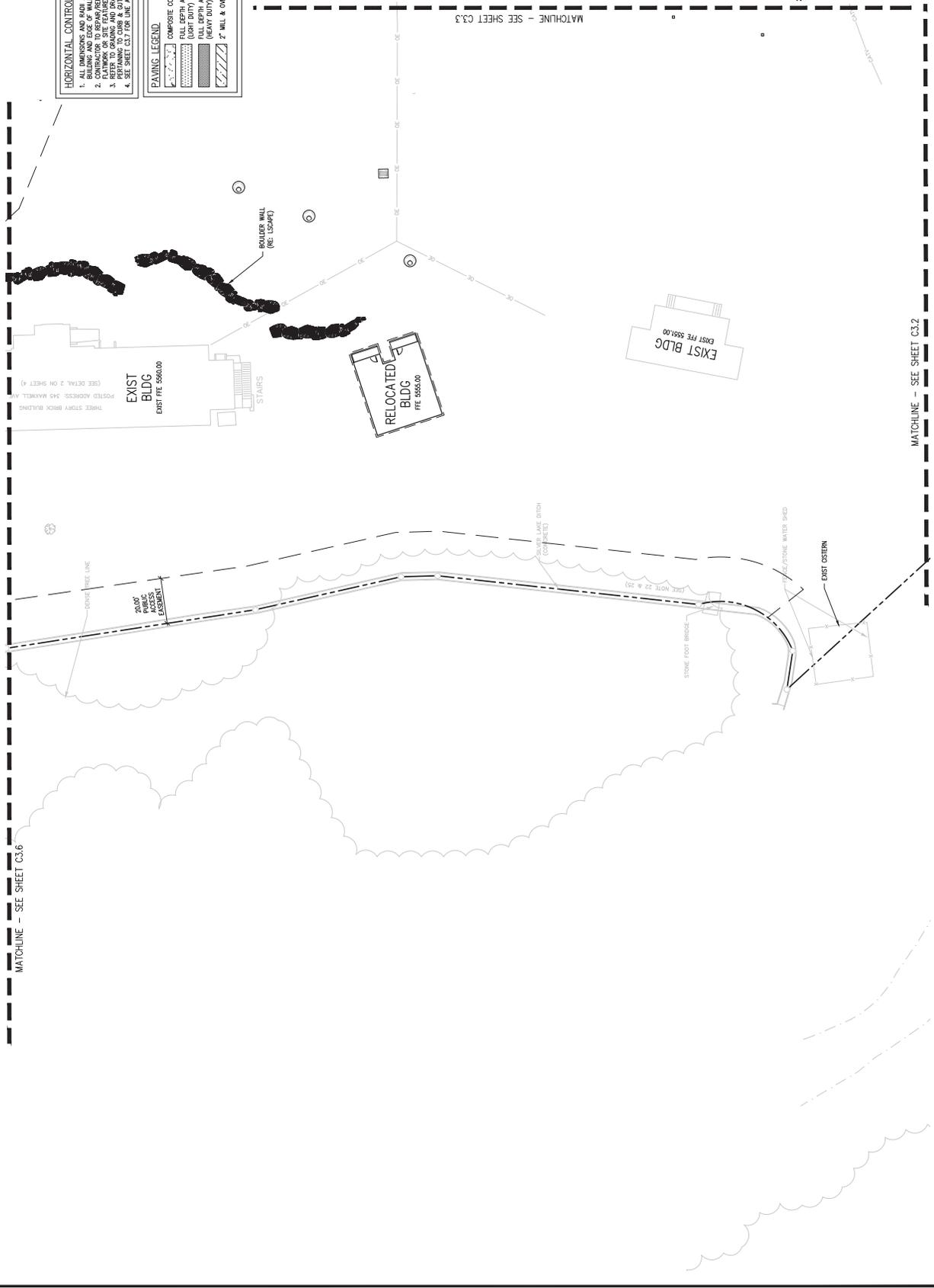
**PAVING LEGEND**

	COMPOSITE CONCRETE PAVING
	FULL DEPTH ASPHALT PAVING (LIGHT DUTY)
	FULL DEPTH ASPHALT PAVING (HEAVY DUTY)
	2" MILL & OVERLAY



CITY OF BOULDER  
DEPARTMENT OF PUBLIC WORKS  
ENGINEERING SERVICES  
ENGINEERING CONSTRUCTION DIVISION  
ENGINEERING REVIEW MANAGER  
SPECIAL EXPENSE FOR NEW PDR DATE 2/20/18

PUBLIC WORKS DEPARTMENT  
RECOMMENDATION FOR APPROVAL  
WATER/SEWER  
TRANSPORTATION  
DRAINAGE



MATCHLINE - SEE SHEET C3.6

MATCHLINE - SEE SHEET C3.3

MATCHLINE - SEE SHEET C3.2

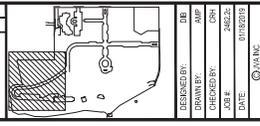




PCS GROUP INC.  
 1515 15th Street, Suite 100  
 Boulder, CO 80302  
 Tel: 303.440.8800  
 www.pcsgr.com

NO.	DATE	DESCRIPTION	BY	CHKD BY
1	06/20/2018	REVISED	DB	DB
2	06/20/2018	ISSUED FOR PERMIT	DB	DB

TECHNICAL DOCUMENT SUBMITTAL NO. 1515-15-001



THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE., BOULDER, CO 80303

DESIGNED BY: DB  
 DRAWN BY: JAM  
 CHECKED BY: JAM  
 DATE: 01/12/2018

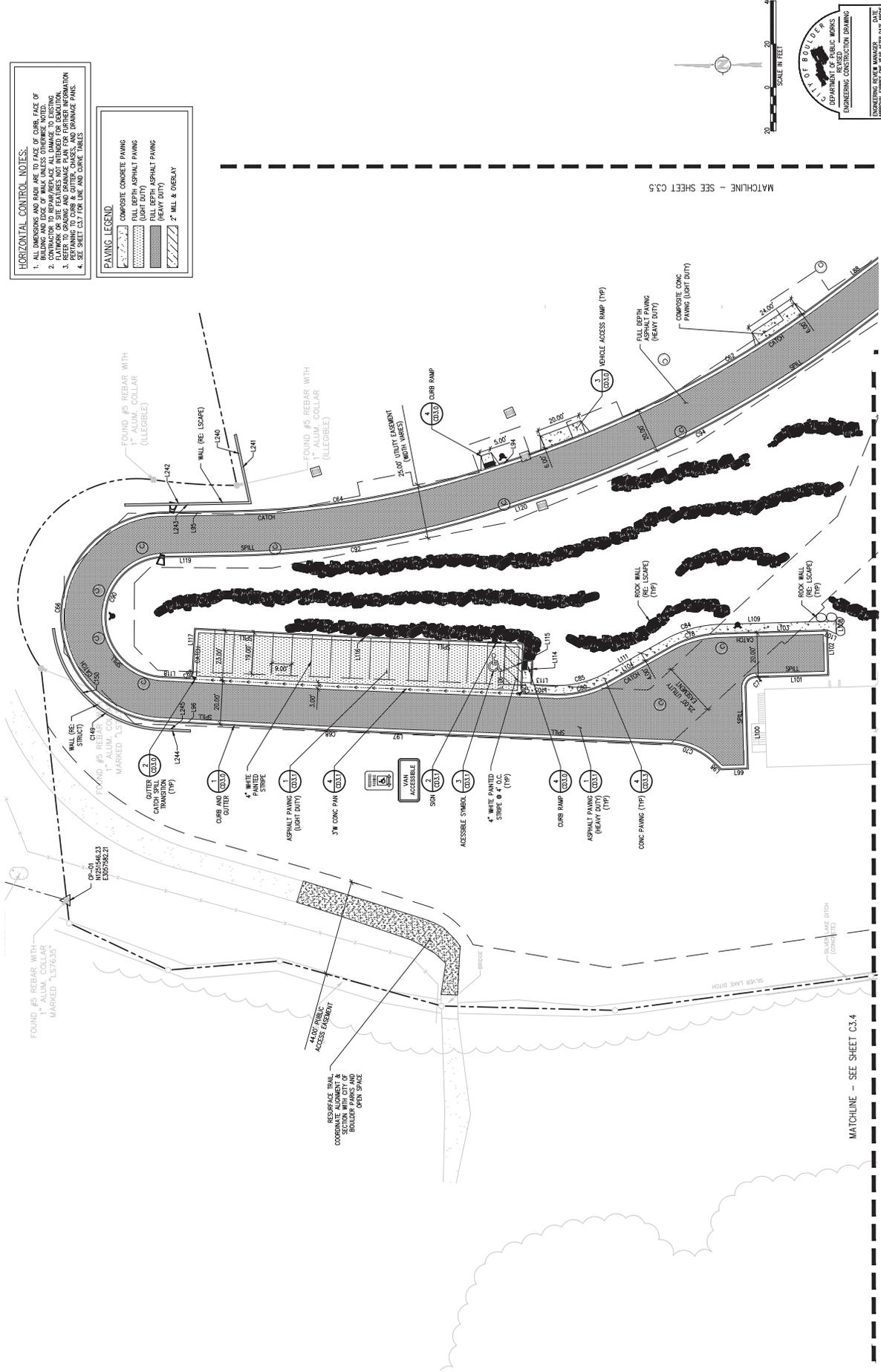
REVISIONS: 1, 2

DETAILED HORIZONTAL CONTROL PLAN  
 SHEET NO. C3.6

- HORIZONTAL CONTROL NOTES:**
1. ALL DIMENSIONS AND RADII ARE TO FACE OF CURB, FACE OF BUILDING AND EDGE OF WALK UNLESS OTHERWISE NOTED.
  2. FINISH ELEVATIONS ARE TO FINISH GRADE UNLESS OTHERWISE NOTED. FINISH GRADE IS TO BE DETERMINED BY FIELD SURVEY OR SITE FEATURES NOT INTENDED FOR REDUCTION.
  3. ALL PAVING SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF BOULDER'S STANDARD SPECIFICATIONS FOR PAVING TO CURB TO CURB, CURBS AND WALKWAYS PAVES.
  4. SEE SHEET C3.7 FOR LINE AND CURVE TABLES.

**PAVING LEGEND**

[Pattern]	COMPOSITE CONCRETE PAVING
[Pattern]	ASPHALT PAVING (LIGHT DUTY)
[Pattern]	FULL DEPTH ASPHALT PAVING (HEAVY DUTY)
[Pattern]	2" MILL & OVERLAY



CITY OF BOULDER  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING CONSTRUCTION DIVISION  
 ENGINEERING SENIOR MANAGER  
 SPECIAL ENGINEER: SEE "FOR PDS DATE ABOVE"

CITY OF BOULDER  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 WATER/SEWER  
 TRANSPORTATION  
 DRAINAGE

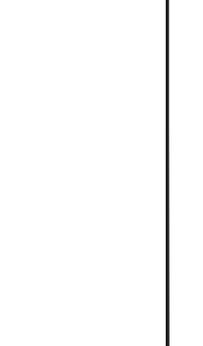
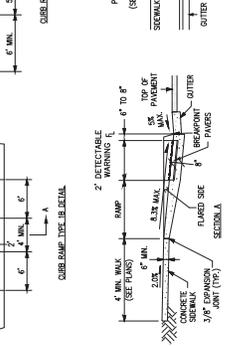
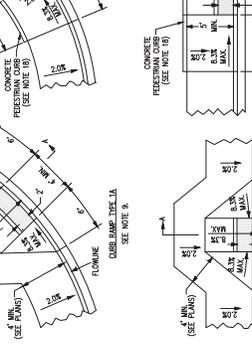
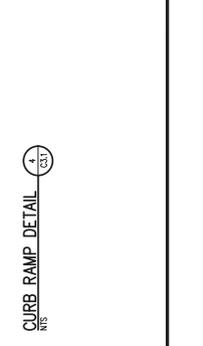
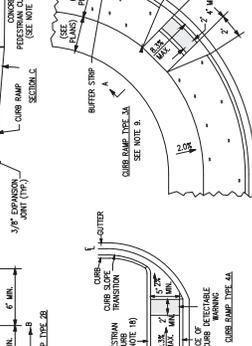
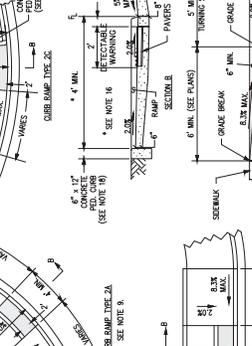
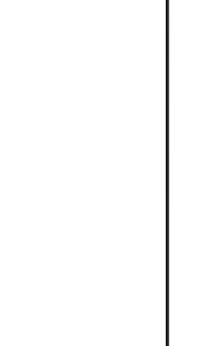
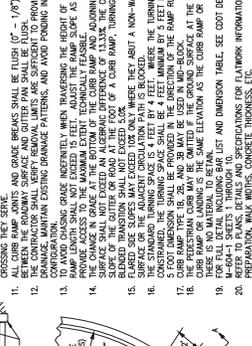
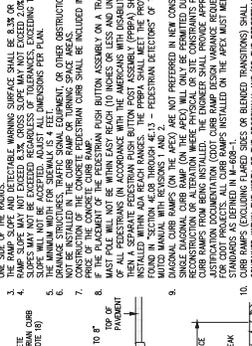
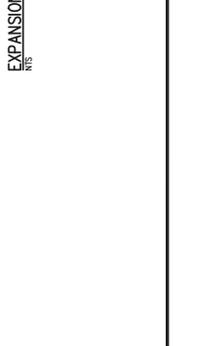
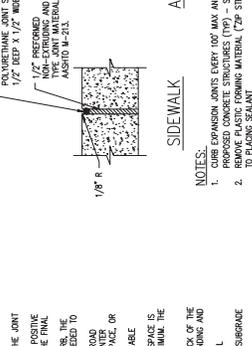
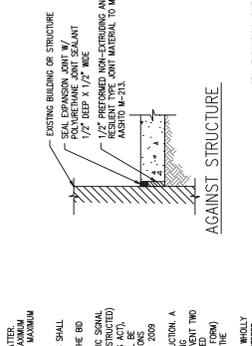
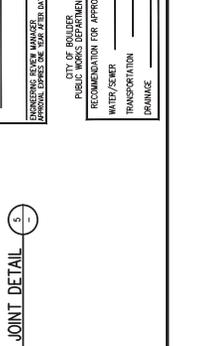
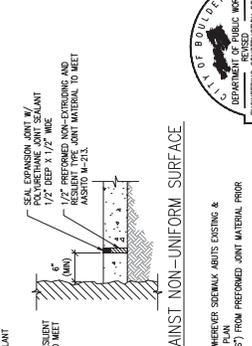
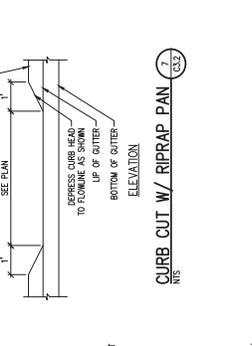
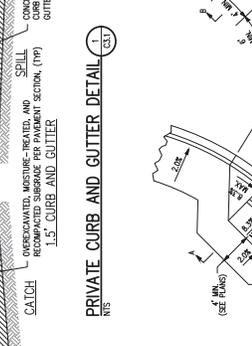
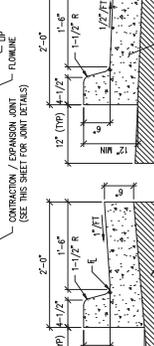
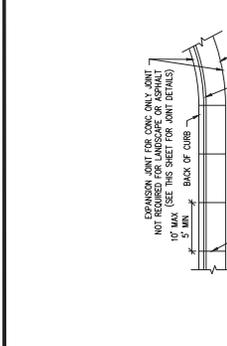
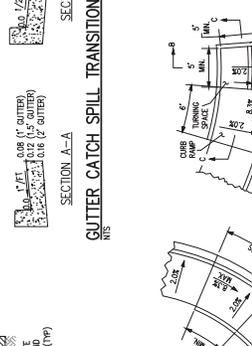
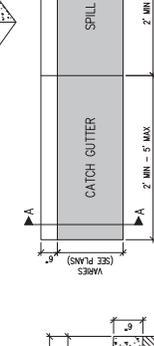
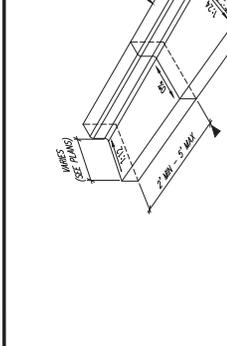
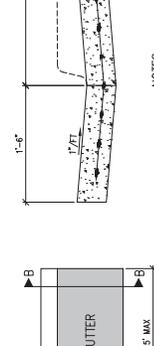
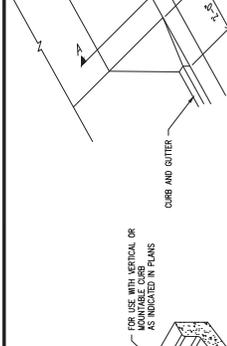
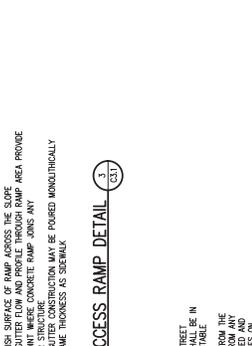
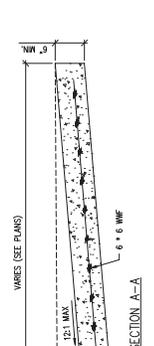
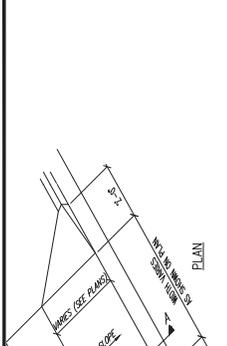
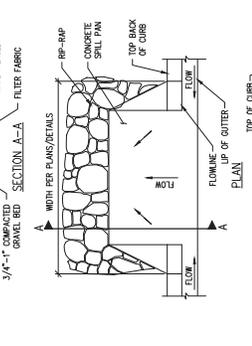
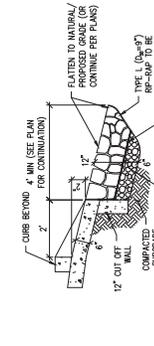
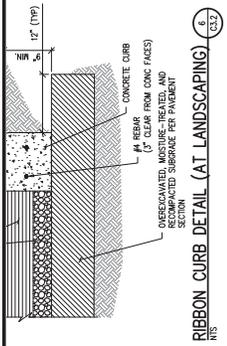
SCALE IN FEET  
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311 MAPLETON AVE. (SEE SHEET C3.5)  
 MATCHLINE - SEE SHEET C3.4



NO.	DATE	DESCRIPTION
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2	09/20/18	REVISED

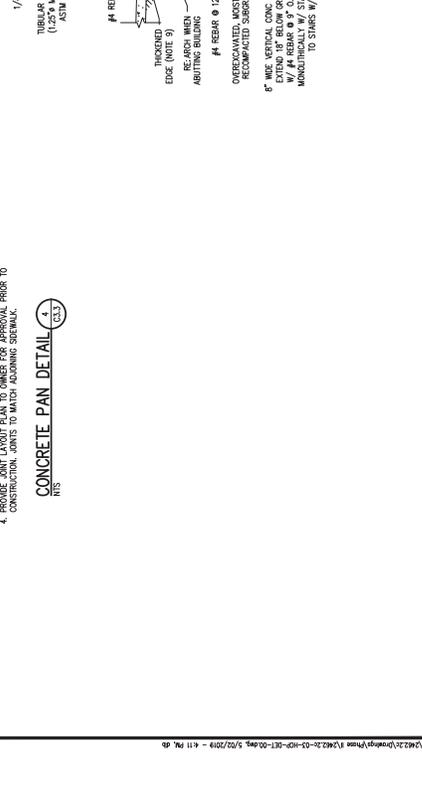
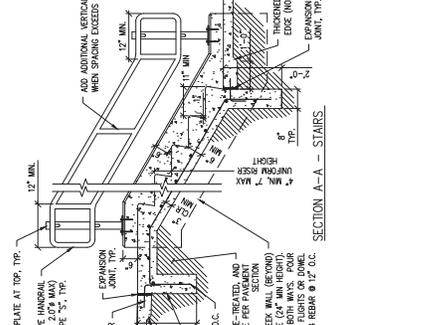
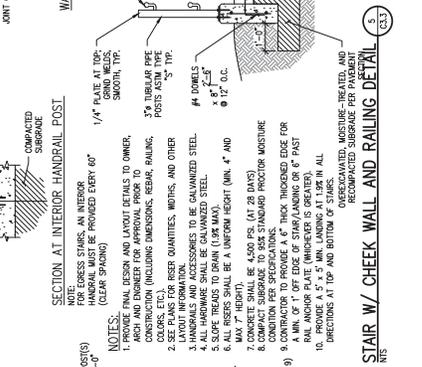
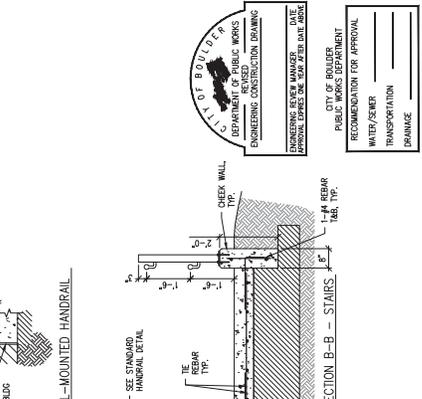
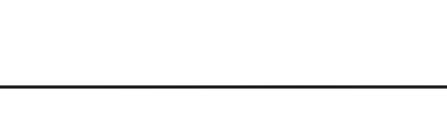
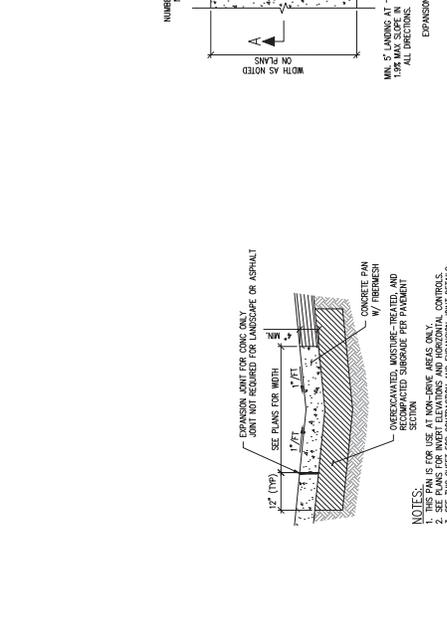
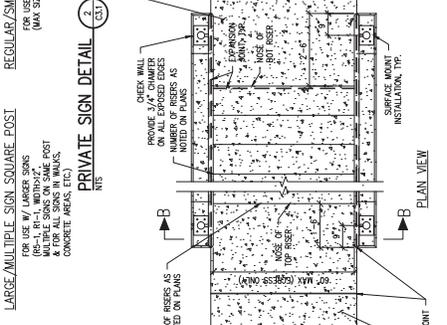
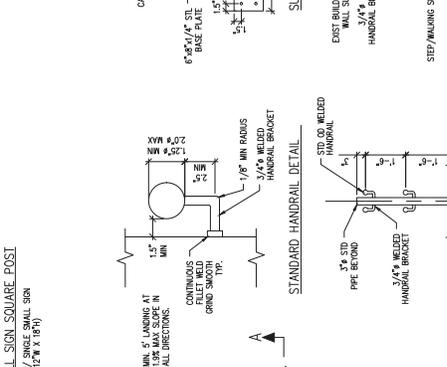
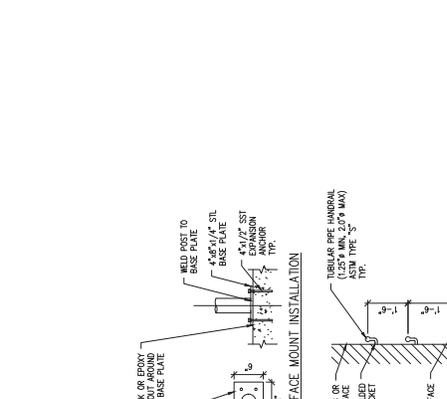
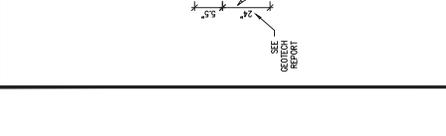
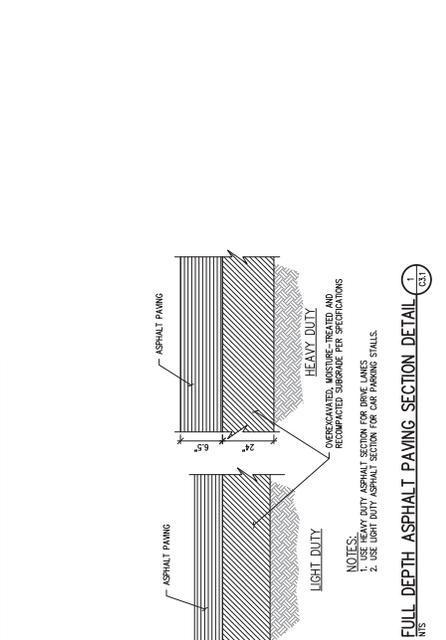
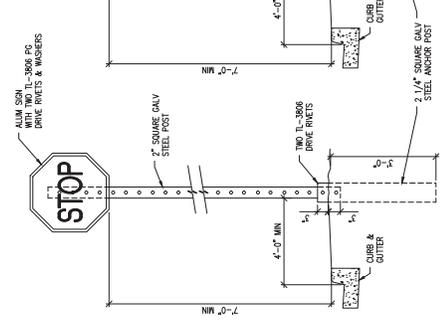
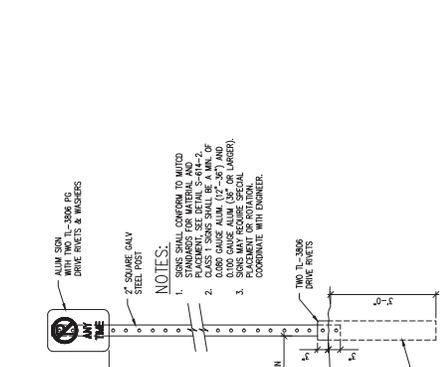
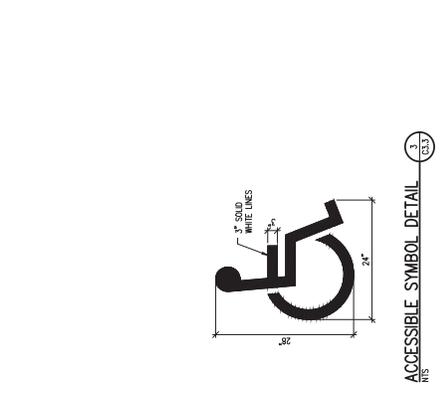
TECHNICAL DOCUMENT SHEET/410  
 REVISION DESCRIPTION



**NOTES:**  
 1. ALL DETECTABLE WARNING SURFACES SHALL BE INSTALLED AT INTERVALS IN STREET TRANSITIONS THEY SHALL HAVE A TRUNCATED DOME SURFACE. THE COMES SHALL BE IN A SQUARE GRID PATTERN AND ALIGNED WITH PEDESTRIAN ROUTES. THE DETECTABLE ALL RELEASABLE WARNING SURFACES SHALL START A MINIMUM OF 6 INCHES FROM THE POINT OF THE CURB. WITH EXCEPTION FOR TYPES THAT ARE NOT WORKED ON 30 MODIFIED CURB RAMP AS THIS DIMENSION MAY BE GREATER THAN 6 INCHES ON THE RAMP. THE SLOPE AND DETECTABLE WARNING SURFACE SHALL BE 3:8 OR FLATTER. SURFACES MAY NOT BE EXCEEDED TO A MAXIMUM OF 1/4" IN ANY DIRECTION. THE MAXIMUM SLOPE WILL NOT BE ACCEPTED. ADJUST ALL DIMENSIONS PER PLAN.  
 2. DRAINAGE STRUCTURES, TRAFFIC SIGNAL EQUIPMENT, OR OTHER OBSTRUCTIONS SHALL NOT BE INSTALLED IN THE CURB RAMP OR TURNING SPACE AS DESCRIBED IN THE RIDGE OF THE CONCRETE CURB RAMP.  
 3. CURB RAMP TURNING SPACES ON A TRAFFIC SIGNAL CROSSING SHALL BE INSTALLED WITH AN EASY REACH (10 INCHES OR LESS AND UNOBSTRUCTED) OF ALL PEDESTRIANS (IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT). THE TURNING SPACE SHALL BE INSTALLED WITHIN ADA REACH RANGES. THE PAVEMENT SHALL MEET THE PROVISIONS FOUND IN SECTION 409 THROUGH 413 - PEDESTRIAN DETECTORS OF THE 2009 INTERNATIONAL BUILDING CODE (IBC).  
 4. SINGLE DIAGONAL CURB RAMP (ON THE APX) WILL ONLY BE PERMITTED DURING CONSTRUCTION OF THE CURB RAMP. THE CURB RAMP DESIGN ADVANCE REQUEST FORM AND JUSTIFICATION DOCUMENTATION (CURB RAMP DESIGN ADVANCE REQUEST FORM) SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. THE CURB RAMP SHALL BE INSTALLED WITHIN ADA REACH RANGES.  
 5. CURB RAMP TURNING SPACES SHALL BE INSTALLED WITHIN ADA REACH RANGES. THE PAVEMENT SHALL MEET THE PROVISIONS FOUND IN SECTION 409 THROUGH 413 - PEDESTRIAN DETECTORS OF THE 2009 INTERNATIONAL BUILDING CODE (IBC).  
 6. CURB RAMP TURNING SPACES SHALL BE INSTALLED WITHIN ADA REACH RANGES. THE PAVEMENT SHALL MEET THE PROVISIONS FOUND IN SECTION 409 THROUGH 413 - PEDESTRIAN DETECTORS OF THE 2009 INTERNATIONAL BUILDING CODE (IBC).  
 7. CURB RAMP TURNING SPACES SHALL BE INSTALLED WITHIN ADA REACH RANGES. THE PAVEMENT SHALL MEET THE PROVISIONS FOUND IN SECTION 409 THROUGH 413 - PEDESTRIAN DETECTORS OF THE 2009 INTERNATIONAL BUILDING CODE (IBC).  
 8. CURB RAMP TURNING SPACES SHALL BE INSTALLED WITHIN ADA REACH RANGES. THE PAVEMENT SHALL MEET THE PROVISIONS FOUND IN SECTION 409 THROUGH 413 - PEDESTRIAN DETECTORS OF THE 2009 INTERNATIONAL BUILDING CODE (IBC).  
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 10. CURB RAMP TURNING SPACES SHALL BE INSTALLED WITHIN ADA REACH RANGES. THE PAVEMENT SHALL MEET THE PROVISIONS FOUND IN SECTION 409 THROUGH 413 - PEDESTRIAN DETECTORS OF THE 2009 INTERNATIONAL BUILDING CODE (IBC).  
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 16. CURB RAMP TURNING SPACES SHALL BE INSTALLED WITHIN ADA REACH RANGES. THE PAVEMENT SHALL MEET THE PROVISIONS FOUND IN SECTION 409 THROUGH 413 - PEDESTRIAN DETECTORS OF THE 2009 INTERNATIONAL BUILDING CODE (IBC).  
 17. CURB RAMP TURNING SPACES SHALL BE INSTALLED WITHIN ADA REACH RANGES. THE PAVEMENT SHALL MEET THE PROVISIONS FOUND IN SECTION 409 THROUGH 413 - PEDESTRIAN DETECTORS OF THE 2009 INTERNATIONAL BUILDING CODE (IBC).  
 18. CURB RAMP TURNING SPACES SHALL BE INSTALLED WITHIN ADA REACH RANGES. THE PAVEMENT SHALL MEET THE PROVISIONS FOUND IN SECTION 409 THROUGH 413 - PEDESTRIAN DETECTORS OF THE 2009 INTERNATIONAL BUILDING CODE (IBC).  
 19. CURB RAMP TURNING SPACES SHALL BE INSTALLED WITHIN ADA REACH RANGES. THE PAVEMENT SHALL MEET THE PROVISIONS FOUND IN SECTION 409 THROUGH 413 - PEDESTRIAN DETECTORS OF THE 2009 INTERNATIONAL BUILDING CODE (IBC).  
 20. CURB RAMP TURNING SPACES SHALL BE INSTALLED WITHIN ADA REACH RANGES. THE PAVEMENT SHALL MEET THE PROVISIONS FOUND IN SECTION 409 THROUGH 413 - PEDESTRIAN DETECTORS OF THE 2009 INTERNATIONAL BUILDING CODE (IBC).

NO.	DATE	REVISION
1	08/20/18	ISSUE FOR CONSTRUCTION
2	09/05/18	REVISION: TECHNICAL DOCUMENT SIGNATURES

DESIGNED BY:	DRP
DRAWN BY:	DRP
CHECKED BY:	CSH
DATE:	01/18/2019

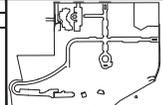


ENGINEERING REVIEW MANAGER  
DATE: \_\_\_\_\_  
SEAL: \_\_\_\_\_  
ENGINEERING CONSTRUCTION DRAWING

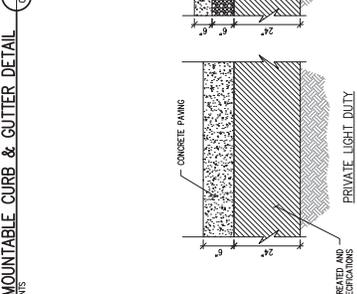
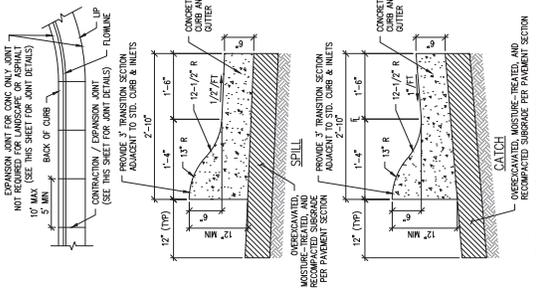
NO.	DATE	REVISION
1	08/20/18	ISSUE FOR CONSTRUCTION
2	09/05/18	REVISION: TECHNICAL DOCUMENT SIGNATURES

DESIGNED BY:	DRP
DRAWN BY:	DRP
CHECKED BY:	CSH
DATE:	01/18/2019

NO.	DATE	DESCRIPTION
2	09/30/2018	REVISION: TECHNICAL DOCUMENT SUBMITTAL #10
1	08/22/2018	ISSUED FOR PERMIT

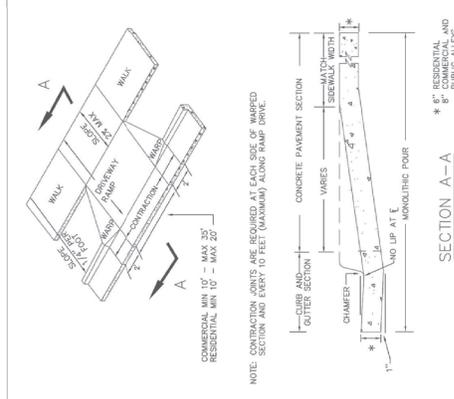


DESIGNED BY:	AMP
DRAWN BY:	AMP
CHECKED BY:	262/26
JOB #:	262/26
DATE:	01/15/2018



CITY OF BOULDER  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING CONSTRUCTION DRAWING  
 ENGINEERING REVIEW MANAGER: \_\_\_\_\_ DATE: \_\_\_\_\_  
 PERMITTING MANAGER: \_\_\_\_\_ DATE: \_\_\_\_\_  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 WATER/SEWER \_\_\_\_\_  
 TRANSPORTATION \_\_\_\_\_  
 FIRE/SAFETY \_\_\_\_\_





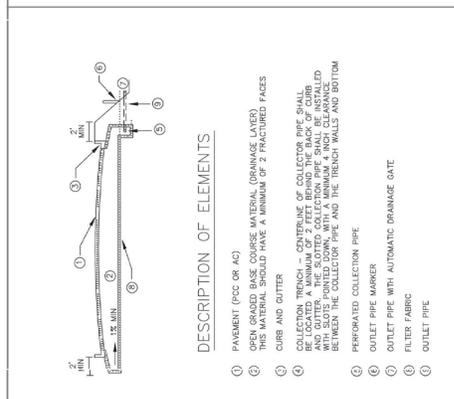
**NOTE:** CONSTRUCTION JOINTS ARE REQUIRED AT EACH SIDE OF RAMP DRIVE SECTION AND EVERY 10 FEET (MAXIMUM) ALONG RAMP DRIVE.

**SECTION A-A**  
 \* 8" RESIDENTIAL AND 8" PUBLIC ALLEYS

**CITY OF BOULDER, COLORADO**  
**DRIVEWAY RAMP**  
**DETACHED WALK**

DRAWN BY: JSH  
 CHECKED BY: WCH  
 DESIGNED BY: WCH  
 APPROVED BY: DIRECTOR OF PUBLIC WORKS

REVISION: JULY 2, 1998  
 REVISION: OCT 6, 2009  
 DRAWING NO. 2.21



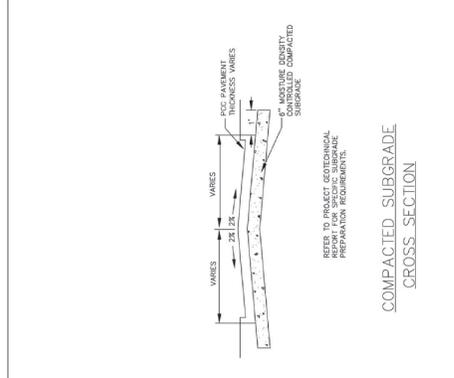
**DESCRIPTION OF ELEMENTS**

1. PAVEMENT (PCC OR AC)
2. CURB AND GUTTER
3. COLLECTION TRASH - CONTINUING OF COLLECTOR PIPE SHALL BE LOCATED A MINIMUM OF 2 FEET BEHIND THE BACK OF CURB WITH SLOTE POINTED DOWN WITH A MINIMUM 4 INCH CLEARANCE BETWEEN THE COLLECTOR PIPE AND THE TRENCH WALLS AND BOTTOM
4. PERFORATED COLLECTION PIPE
5. OUTLET PIPE WITH AUTOMATIC DRAINAGE GATE
6. FILTER FABRIC
7. OUTLET PIPE

**CITY OF BOULDER, COLORADO**  
**PORTLAND CEMENT**  
**CONCRETE PAVEMENT**

DRAWN BY: JSH  
 CHECKED BY: WCH  
 DESIGNED BY: WCH  
 APPROVED BY: DIRECTOR OF PUBLIC WORKS

REVISION: JULY 2, 1998  
 REVISION: OCT 17, 2009  
 DRAWING NO. 2.71.A



**COMPACTED SUBGRADE**  
**CROSS SECTION**

REFER TO PROJECT GEOTECHNICAL PREPARATION RECOMMENDATIONS.

**CITY OF BOULDER, COLORADO**  
**PORTLAND CEMENT**  
**CONCRETE PAVEMENT**

DRAWN BY: JSH  
 CHECKED BY: WCH  
 DESIGNED BY: WCH  
 APPROVED BY: DIRECTOR OF PUBLIC WORKS

REVISION: JULY 2, 1998  
 REVISION: OCT 17, 2009  
 DRAWING NO. 2.71.B

NO.	DATE	DESCRIPTION
2	09/30/2018	REVISED
1	08/27/2018	ISSUED

TECHNICAL DOCUMENT SHEET 410

DESIGNED BY:	WCH
DRAWN BY:	JSH
CHECKED BY:	WCH
DATE:	08/27/2018

THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE., BOULDER, CO 80303

PUBLIC SITE DETAILS

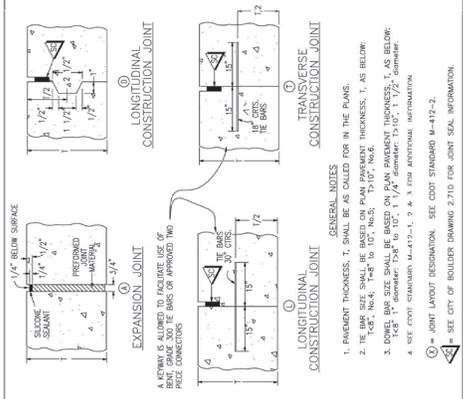
SHEET NO. CD3.4

**CITY OF BOULDER**  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING CONSTRUCTION DRAWING

CHANGING REVIEW MANAGER: \_\_\_\_\_ DATE: \_\_\_\_\_  
 APPROVAL: \_\_\_\_\_  
 REVISIONS: \_\_\_\_\_

CITY OF BOULDER  
 PUBLIC WORKS DEPARTMENT

RECOMMENDATION FOR APPROVAL:  
 WATER/SEWER \_\_\_\_\_  
 TRANSPORTATION \_\_\_\_\_  
 PLANNING \_\_\_\_\_



**GENERAL NOTES**

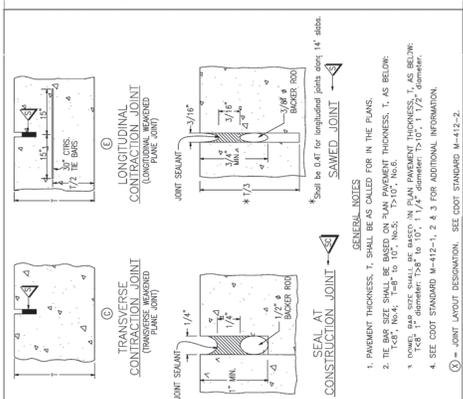
1. PAVEMENT THICKNESS, T, SHALL BE AS CALLED FOR IN THE PLANS.
2. THE BAR SIZE SHALL BE BASED ON PLAN PAVEMENT THICKNESS, T, AS BELOW:  
 1 1/2" T: 1/2" dia. bars  
 1 1/4" T: 3/8" dia. bars  
 1 1/2" T: 1/2" dia. bars  
 1 3/4" T: 5/8" dia. bars  
 2" T: 3/4" dia. bars
3. DOWEL BAR SIZE SHALL BE BASED ON PLAN PAVEMENT THICKNESS, T, AS BELOW:  
 1 1/2" T: 1/2" dia. bars  
 1 1/4" T: 3/8" dia. bars  
 1 1/2" T: 1/2" dia. bars  
 1 3/4" T: 5/8" dia. bars  
 2" T: 3/4" dia. bars
4. SEE CITY STANDARD M-412-1, 2 & 3 FOR ADDITIONAL INFORMATION.

SEE CITY OF BOULDER DRAWING 2.71D FOR JOINT SEAL INFORMATION.

**CITY OF BOULDER, COLORADO**  
**PORTLAND CEMENT**  
**CONCRETE PAVEMENT**

DRAWN BY: JSH  
 CHECKED BY: WCH  
 DESIGNED BY: WCH  
 APPROVED BY: DIRECTOR OF PUBLIC WORKS

REVISION: JULY 2, 1998  
 REVISION: OCT 17, 2009  
 DRAWING NO. 2.71.C



**GENERAL NOTES**

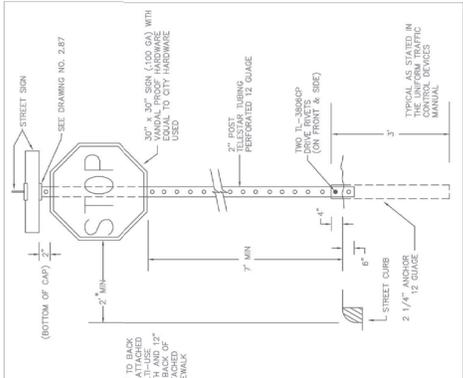
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2. THE BAR SIZE SHALL BE BASED ON PLAN PAVEMENT THICKNESS, T, AS BELOW:  
 1 1/2" T: 1/2" dia. bars  
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 1 1/4" T: 3/8" dia. bars  
 1 1/2" T: 1/2" dia. bars  
 1 3/4" T: 5/8" dia. bars  
 2" T: 3/4" dia. bars
4. SEE CITY STANDARD M-412-1, 2 & 3 FOR ADDITIONAL INFORMATION.

SEE CITY OF BOULDER DRAWING M-412-2.

**CITY OF BOULDER, COLORADO**  
**PORTLAND CEMENT**  
**CONCRETE PAVEMENT**

DRAWN BY: JSH  
 CHECKED BY: WCH  
 DESIGNED BY: WCH  
 APPROVED BY: DIRECTOR OF PUBLIC WORKS

REVISION: JULY 2, 1998  
 REVISION: OCT 17, 2009  
 DRAWING NO. 2.71.D



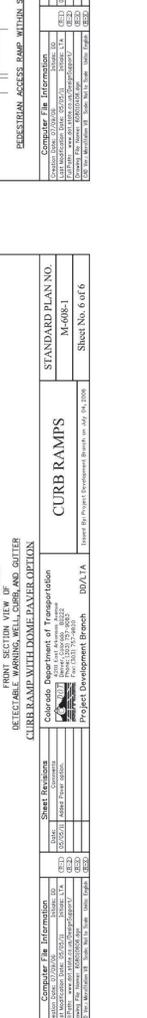
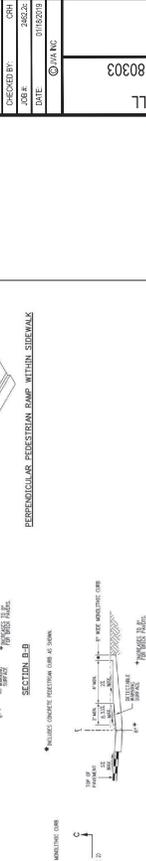
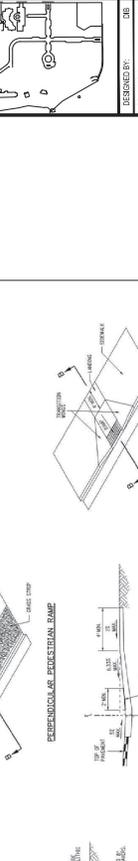
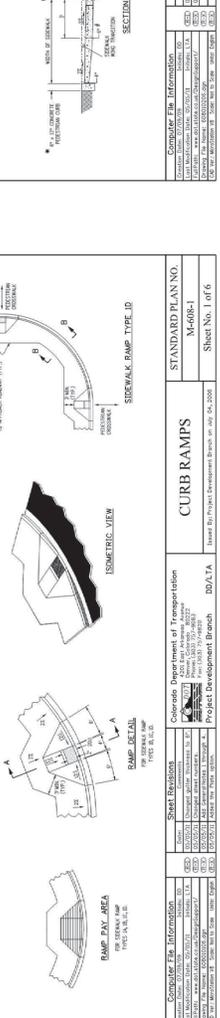
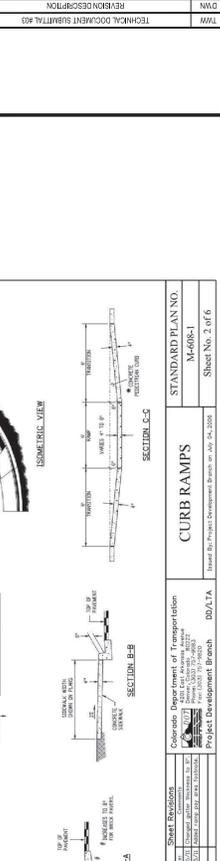
**CITY OF BOULDER, COLORADO**  
**SIGN INSTALLATION**  
**DETAILS**

DRAWN BY: JSH  
 CHECKED BY: WCH  
 DESIGNED BY: WCH  
 APPROVED BY: DIRECTOR OF PUBLIC WORKS

REVISION: JULY 2, 1998  
 REVISION: OCT 6, 2009  
 DRAWING NO. 2.81

NO.	DATE	DESIGN	BY	DATE	DESIGN	BY
2	09/30/2018	088	TWM			
TECHNICAL DOCUMENT SHEET TITLE AND REVISION DESCRIPTION						

<b>COMPUTER FILE INFORMATION</b> PROJECT: THE ACADEMY AT MAPLETON HILL DRAWING: CD3.5 SHEET: CD3.5 DATE: 09/30/2018 USER: TWM PLOTTER: HP DesignJet T1100PS	<b>PROJECT INFORMATION</b> PROJECT: THE ACADEMY AT MAPLETON HILL PROJECT NO.: 18-001 PROJECT NAME: THE ACADEMY AT MAPLETON HILL PROJECT ADDRESS: 311 MAPLETON AVE., BOULDER, CO 80303 PROJECT CONTACT: TWM PROJECT PHONE: 303.440.3000 PROJECT FAX: 303.440.3000 PROJECT EMAIL: TWM@CITYOFBOULDER.CO	<b>STANDARD PLAN NO.</b> M-608-1 <b>Sheet No.</b> 2 of 6
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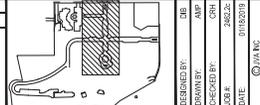
<b>COMPUTER FILE INFORMATION</b> PROJECT: THE ACADEMY AT MAPLETON HILL DRAWING: CD3.5 SHEET: CD3.5 DATE: 09/30/2018 USER: TWM PLOTTER: HP DesignJet T1100PS	<b>PROJECT INFORMATION</b> PROJECT: THE ACADEMY AT MAPLETON HILL PROJECT NO.: 18-001 PROJECT NAME: THE ACADEMY AT MAPLETON HILL PROJECT ADDRESS: 311 MAPLETON AVE., BOULDER, CO 80303 PROJECT CONTACT: TWM PROJECT PHONE: 303.440.3000 PROJECT FAX: 303.440.3000 PROJECT EMAIL: TWM@CITYOFBOULDER.CO	<b>STANDARD PLAN NO.</b> M-608-1 <b>Sheet No.</b> 4 of 6
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PCS GROUP INC.  
 311 MAPLETON AVE. BOULDER, CO 80303  
 PHONE: 303.440.8888  
 WWW.PCSGROUP.COM  
 311 MAPLETON AVE. BOULDER, CO 80303  
 PHONE: 303.440.8888  
 WWW.PCSGROUP.COM

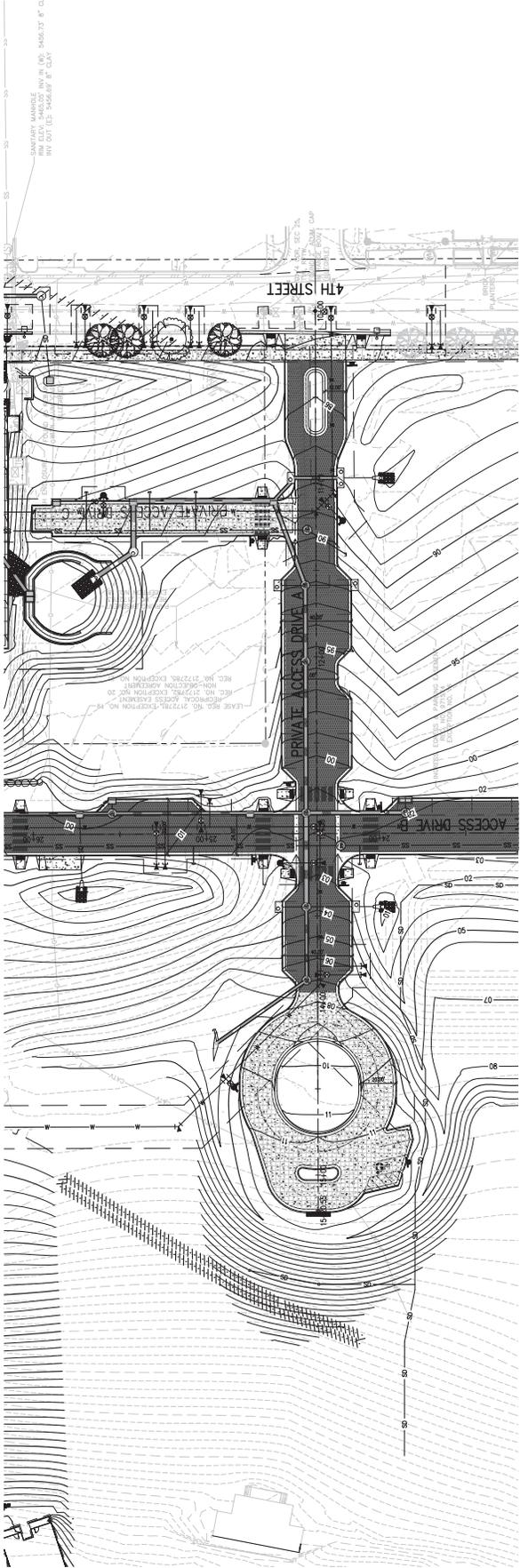
NO.	DATE	DESCRIPTION
2	10/06/2019	REVISION: DOCUMENT SIGHTLINES



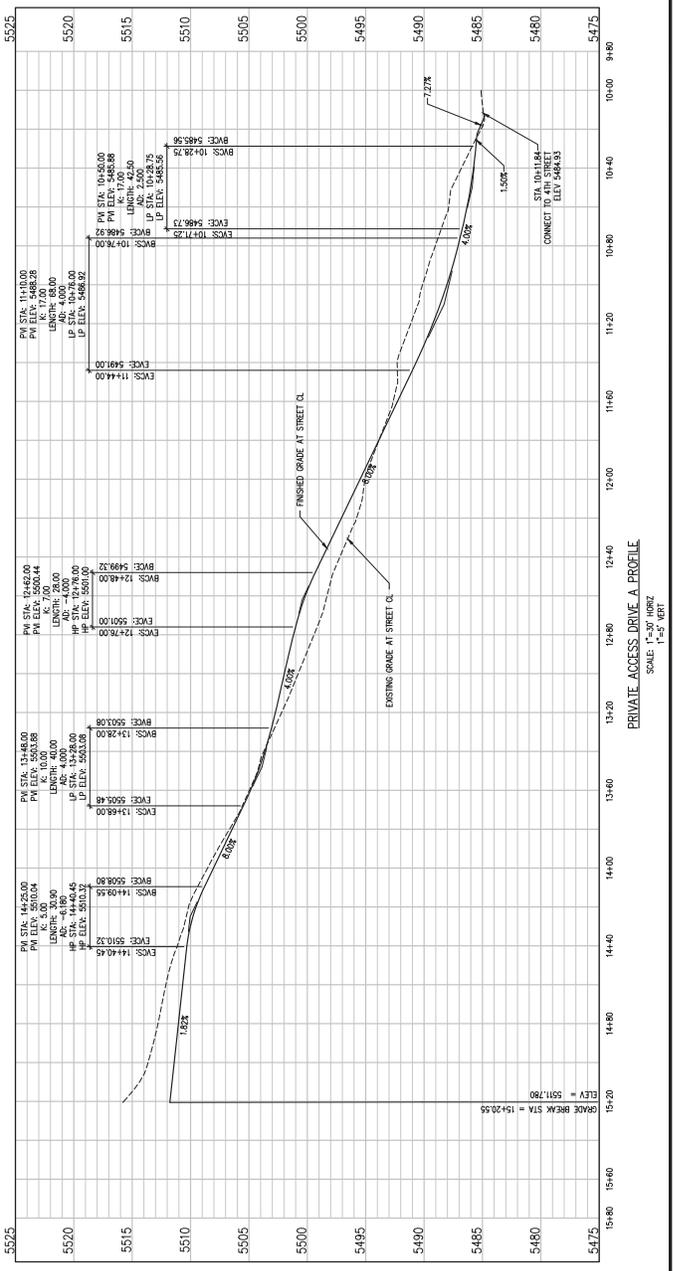
DESIGNED BY: JAV INC.  
 DRAWN BY: JAV INC.  
 CHECKED BY: JAV INC.  
 DATE: 01/13/2019

STREET PLAN AND PROFILE  
 311 MAPLETON AVE., BOULDER, CO 80303

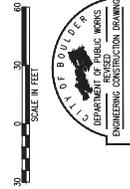
SHEET NO. C4.0



PRIVATE ACCESS DRIVE A PLAN  
 SCALE: 1"=30'



PRIVATE ACCESS DRIVE A PROFILE  
 SCALE: 1"=30' VERT  
 1"=5' HORIZ



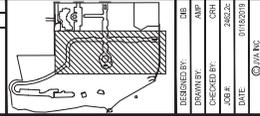
CITY OF BOULDER  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING REVIEW MANAGER  
 ENGINEERING REVIEW MANAGER  
 DATE: \_\_\_\_\_  
 APPROVED: \_\_\_\_\_  
 ENGINEER: \_\_\_\_\_  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 WATER/SEWER \_\_\_\_\_  
 TRANSPORTATION \_\_\_\_\_  
 PLANNING \_\_\_\_\_

J:\2019\09\09\311 Mapleton Ave\311 Mapleton Ave.dwg 5/22/2019 - 4:13 PM



PCS GROUP INC.  
 1333 CHERRY STREET, SUITE 200  
 BOULDER, CO 80502  
 (303) 440-0000  
 www.pcsgr.com

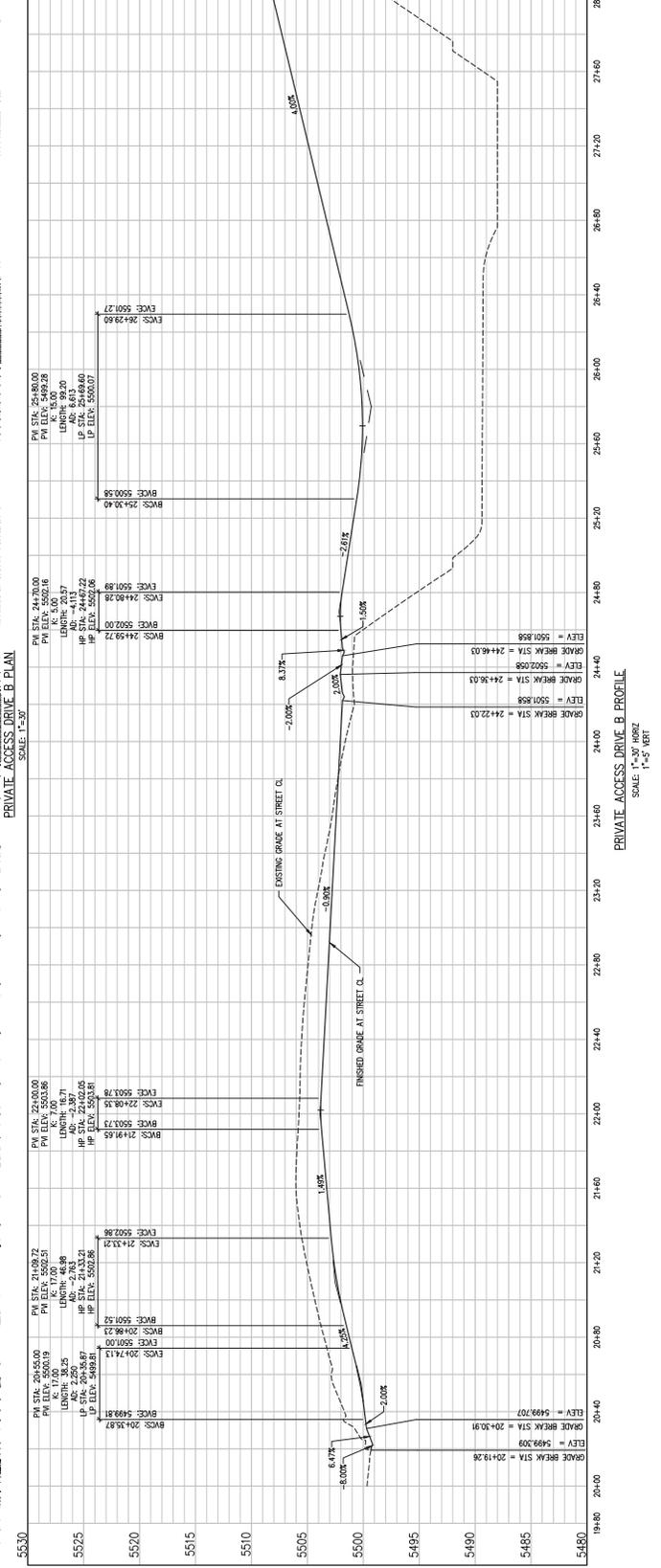
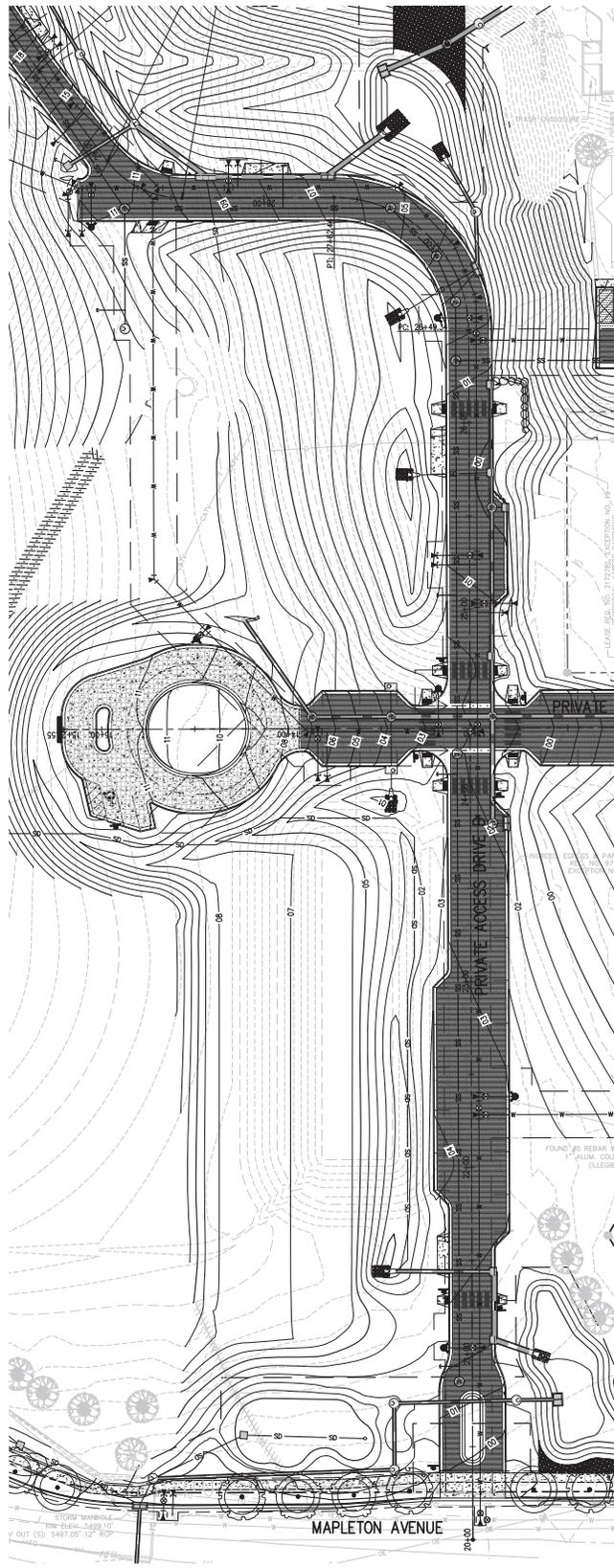
NO.	DATE	REVISION	DESCRIPTION
2	09/20/19	08	TECHNICAL DOCUMENT SUBMITTAL #10



DESIGNED BY: [blank]  
 DRAWN BY: AMP  
 CHECKED BY: AEG/CS  
 DATE: 08/15/2019  
 JAV INC.

THE ACADEMY AT MAPLETON HILL  
 INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE., BOULDER, CO 80303

SHEET NO.  
 C4.1





pcs group inc.

1333 FIFTH AVENUE, SUITE 200  
DENVER, CO 80202  
303.733.1100  
www.pcsinc.com

NO. DATE DESG. DWN

2 10/09/2018 088

TECHNICAL DOCUMENT SUBMITTAL #10

REVISION DESCRIPTION

DATE

DESIGNED BY: JAV

DRAWN BY: JAV

CHECKED BY: JAV

DATE: 01/18/2019

JAV INC.

THE ACADEMY AT MAPLETON HILL  
INFRASTRUCTURE PACKAGE  
311 MAPLETON AVE., BOULDER, CO 80303

STREET PLAN AND PROFILE

SHEET NO. C4.2



PRIVATE ACCESS DRIVE B PLAN  
SCALE: 1"=30'

THREE STORY BRICK BUILDING  
POSTED ADDRESS: 348 MANWELL AVE.  
(SEE DETAIL 2 ON SHEET 4)

STAIRS

POINT OF BEGINNING (P.O.B.)

POINT OF INTERSECTION (P.O.I.)

POINT OF TANGENCY (P.O.T.)

POINT OF CURVATURE (P.O.C.)

POINT OF BEGINNING (P.O.B.)

POINT OF INTERSECTION (P.O.I.)

POINT OF TANGENCY (P.O.T.)

POINT OF CURVATURE (P.O.C.)

POINT OF BEGINNING (P.O.B.)

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POINT OF TANGENCY (P.O.T.)

POINT OF CURVATURE (P.O.C.)

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POINT OF INTERSECTION (P.O.I.)

POINT OF TANGENCY (P.O.T.)

POINT OF CURVATURE (P.O.C.)

POINT OF BEGINNING (P.O.B.)

POINT OF INTERSECTION (P.O.I.)

POINT OF TANGENCY (P.O.T.)

POINT OF CURVATURE (P.O.C.)

POINT OF BEGINNING (P.O.B.)

GRADE BREAK STA. = 34+73.23

ELEV. = 5559.816

GRADE BREAK STA. = 34+73.23

ELEV. = 5520

5515

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38+80

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39+80

40+00

PM STA: 29+00.00

PVI ELEV: 5502.08

LEN: 165.00

LC: 18.00

LC: 18.00

AD: -2.405

UP STA: 29+50.00

UP ELEV: 5510.32

BVC: 28+55.80

EVC: 29+44.00

PM STA: 29+51.19

PVI ELEV: 5520.48

LEN: 17.00

LC: 18.00

LC: 18.00

AD: -2.405

UP STA: 29+50.00

UP ELEV: 5531.89

BVC: 29+79.17

EVC: 30+28.83

PM STA: 30+43.83

PVI ELEV: 5544.66

LEN: 18.00

LC: 18.00

LC: 18.00

AD: -5.008

UP STA: 30+50.00

UP ELEV: 5552.77

BVC: 30+50.58

EVC: 31+45.72

PM STA: 31+45.72

PVI ELEV: 5554.44

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LC: 18.00

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37+00

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37+40

37+60

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38+00

38+20

38+40

38+60

38+80

39+00

39+20



www.pcsgr.com  
 1310 S. 10TH AVENUE, SUITE 200  
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 BOULDER, CO 80302  
 PHONE: 303.440.1111  
 WWW.PCSGR.COM

NO.	DATE	DESCRIPTION
1	01/18/19	PCS
2	02/16/19	PCS
3	03/05/19	PCS
4	03/22/19	PCS

NO.	DATE	DESCRIPTION
1	01/18/19	PCS
2	02/16/19	PCS
3	03/05/19	PCS
4	03/22/19	PCS

THE ACADEMY AT MAPLETON HILL  
 SITE INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE., BOULDER, CO 80303

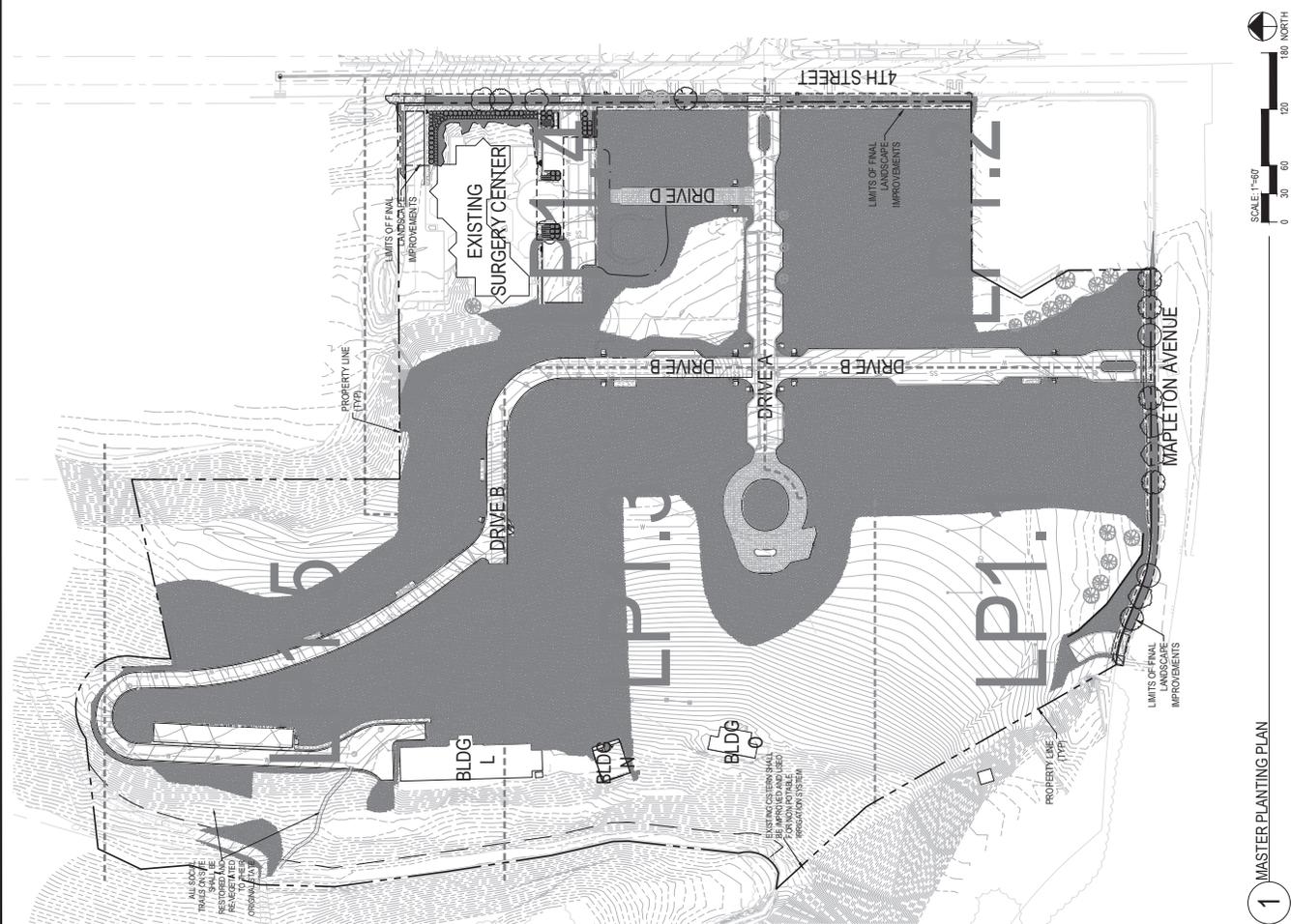
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**LPO.1**

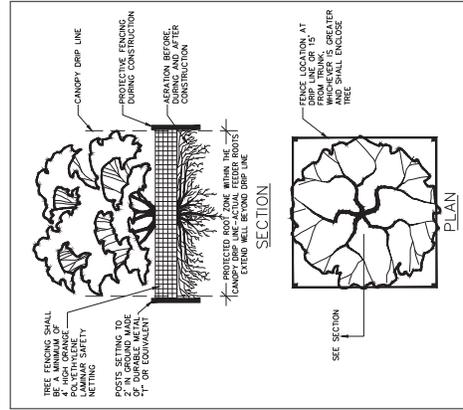


ENGINEERING CONSTRUCTION DRAWING  
 DATE: 01/22/2019  
 DRAWING REVIEW MANAGER: [REDACTED]  
 PROJECT NUMBER: [REDACTED]  
 PROJECT NAME: [REDACTED]

**GENERAL LANDSCAPE NOTES**

- ALL WORK SHALL CONFORM TO THE CITY OF BOULDER CODES. CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES, LINES AND STRUCTURES PRIOR TO EXCAVATION OR TRENCHING. DAMAGE TO THESE UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER. OWNERS REPRESENTATIVE OR LANDSCAPE ARCHITECT.
- PLANT QUANTITIES TO BE BASED ON CONTRACTOR'S ESTIMATE ACCORDING TO PLANS, WHICH ARE SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT OR OWNER.
- PLANT QUANTITIES SHALL BE BASED ON THE QUANTITIES SHOWN ON THE PLANS.
- ALL TREE AND SHRUB LOCATIONS SHALL BE STAKED BY THE CONTRACTOR AND APPROVED BY THE OWNER, OWNERS REPRESENTATIVE OR LANDSCAPE ARCHITECT.
- PLANT SUBSTITUTIONS WILL NOT BE PERMITTED WITHOUT APPROVAL BY THE OWNER, OWNERS REPRESENTATIVE OR LANDSCAPE ARCHITECT.
- WATER PROTECTION AND WATERING OF TREES SHALL BE PROVIDED WHEN NECESSARY TO MAINTAIN THE HEALTH AND SURVIVAL OF PLANT MATERIAL.
- WOOD MULCH TO BE SPHERED BARK MULCH TO A DEPTH OF 3 INCHES MINIMUM WITHOUT LANDSCAPE FABRIC.
- WOOD MULCH TO BE SPHERED BARK MULCH TO A DEPTH OF 3 INCHES MINIMUM WITHOUT LANDSCAPE FABRIC.
- ALL TREE RINGS TO BE MATCHED WITH WOOD MULCH TO A DEPTH OF 4 INCHES MINIMUM WITH WOOD LANDSCAPE FABRIC.
- OF WOOD MULCH OVER 3 DIAMETER BED FOLLOWING SOIL INSTALLATION.
- SEED TO BE LOW GROW SEED MIX FROM ARKANSAS VALLEY SEED CO. PHONE 817.507.3337.
- THE CITY STANDARD DETAILS AND MANUFACTURE DETAILS DEPICTED IN THESE DRAWINGS SHOULD BE USED AS REFERENCE. THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ALL PERTINENT CONSTRUCTION & INSTALLATION DETAILS.
- ALL SHRUB AND SOIL AREAS SHALL RECEIVE THE FOLLOWING SOIL AMENDMENTS PER 1000 SF: 4 CUBIC YARDS "SUPREME ORGANIC" COMPOST (5% COV MANURE, 50% WOOD FINES) OR APPROVED EQUAL, PLUS 15 LB. OF 20-10-5 FERTILIZER PER 1000 SF.
- PLANTS SHALL BE INSTALLED TO PREVENT DEFORMATION.
- HEELED IN AND WATERED TO PREVENT DEFORMATION.
- PLANTING PITS SHALL BE EXCAVATED TO A MINIMUM OF TWICE THE WIDTH OF THE ROOTBALL. DO NOT DISTURB SOIL AT THE BOTTOM OF THE PIT.
- PLANTS SHOULD BE THOROUGHLY WATERED IMMEDIATELY AFTER PLANTING. ALLOWING WATER TO SOAK DOWN AND FILL REMAINDER OF HOLE WITH LOOSE SOIL. WITHOUT FURTHER PACKING. AMOUNT OF SOIL SHALL BE FORMED AROUND THE EDGE OF EACH TREE PIT TO FORM A SHALLOW SAUCER.
- THANK FINISH GRADE. 1" HIGHER FOR TREES.
- ALL LANDSCAPE SHOW ON THESE PLANS SHALL BE MAINTAINED IN A NEAT AND ADEQUATE MANNER. REQUIRED MAINTENANCE ACTIVITIES SHALL INCLUDE, BUT NOT BE LIMITED TO TRIMMING OF HEDGES, ADEQUATE IRRIGATION, APPROPRIATE WEEDING, AND REMOVAL OF WEEDS FROM PLANTING AREAS, AND APPROPRIATE TRIMMING OF PLANT MATERIALS.
- THE CONTRACTOR SHALL STAKE OUT ALL KEY AREAS INCLUDING BUT NOT LIMITED TO SIDE WALKS, STEEL EDGING, PLANT BEDS, TREE AND SHRUB LOCATIONS AND OBTAIN APPROVAL BY THE LANDSCAPE ARCHITECT OR OWNER (MARKING SHALL BE DONE WITH 1/2" DIA. GALVANIZED STEEL EDGERS). ALL PLANTING SHALL BE DONE WITHIN THE STAKED LOCATIONS. SOIL BACKFILL MIXTURE FOR ALL PERENNIAL BEDS SHALL BE 10 COV MANURE, 100 IMPORTED TOPSOIL AND 10 COV SITE SOIL.
- THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND BASE HIS BID ON ACTUAL ON-SITE CONDITIONS AND NOT ON THE INFORMATION PROVIDED IN THESE DRAWINGS. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS DUE TO FAILURE TO GIVE SUCH NOTICE.
- THE CONTRACTOR SHALL RESTORE ANY AND ALL DAMAGE DUE TO HIS CONSTRUCTION OPERATIONS TO THEIR ORIGINAL CONDITION.
- LANDSCAPE EDGER TO BE PERFORATED GALVANIZED ROLL TOP STEEL EDGER. STEEL EDGER IS TO BE USED WHEREVER THERE IS A CHANGE IN SURFACING TYPE. - SEE PLANT LEGEND.
- MANUFACTURE DETAILS DEPICTED IN THESE DRAWINGS ARE SUBJECT TO SUBSTITUTIONS AND OMISSIONS BASED ON AVAILABILITY OF LANDSCAPE MATERIALS AND SUPPLIERS. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL MATERIALS AND SUPPLIERS THROUGH THE CONSTRUCTION DOCUMENTS.
- SITE FURNISHMENTS ARE DEPICTED TO ILLUSTRATE HOW THE HARDSCAPE AREAS MAY SPATIALLY ACCOMMODATE PLANTING. PLANTING SHALL BE DETAILED AND DEPICTED WITHIN THE CONSTRUCTION DOCUMENTS, BASED ON THE PROGRAM AND OTHER USES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND AVAILABILITY OF PROPOSED LOCATION FOR PLANTING. THE CONTRACTOR SHALL VERIFY THE LOCATION AND AVAILABILITY OF PROPOSED LOCATION DUE TO ACCESS, SOILS, AND TOPOGRAPHY AND MAY BE RELOCATED AT THAT TIME.





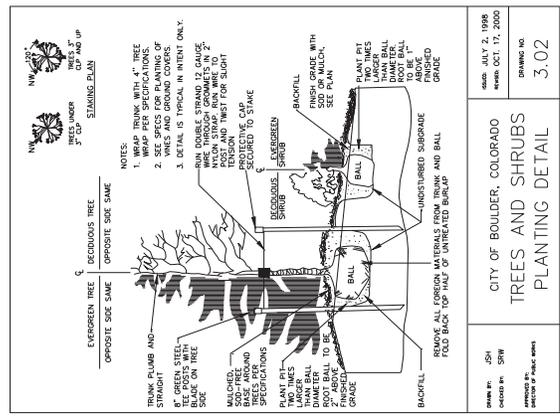
**CITY OF BOULDER, COLORADO  
PROTECTED ROOT  
ZONE AND  
DRAINAGE**

DATE: JULY 2, 1998  
REVISED: OCT. 17, 2000  
DRAWING NO. 3.12

- TREE PRESERVATION, RELOCATION AND REMOVAL NOTES**
- PRIOR TO THE BEGINNING OF CONSTRUCTION, INSTALL BARRICADE FENCING AROUND ALL EXISTING TREES TO REMAIN. LOCATED FENCING AT OR OUTSIDE OF THE DRIP LINE OF THE TREE. BARRICADE FENCING SHALL BE 4' HEIGHT, ORANGE MESH FENCING ATTACHED TO T-POSTS.
  - FENCING SHALL BE MAINTAINED DAILY. CONTRACTORS SHALL BE RESPONSIBLE FOR ALL OF THEIR WORKERS, SUBCONTRACTORS AND MATERIAL MEN UNDER THIS REQUIREMENT.
  - CONSTRUCTION WITHIN THE ROOT ZONE OF TREES TO REMAIN SHALL BE RESTRICTED TO BACKFILL, STUMP REMOVAL, AND ACCESS.
  - APPROVED SHALL RESULT IN A FINE BASED ON THE PERCENTAGE OF THE CIRCUMFERENCE AFFECTED.
  - NO DAMAGE IS PROHIBITED UNLESS APPROVED PRIOR TO CONSTRUCTION OR AS AUTHORIZED BY THE CITY OF BOULDER. PRUNING OF AFFECTED BRANCHES SHALL BE DONE PRIOR TO START OF CONSTRUCTION. DAMAGED BRANCHES SHALL BE PRUNED WITHIN 10 BUSINESS DAYS OF THE END OF CONSTRUCTION. CONCRETE FENCE WASHOUT AREAS SHALL BE INDICATED AREAS ONLY. WASHOUT RUNOFF SHALL NOT FLOW INTO OR ACROSS ROOT ZONES OF TREES.
  - TREE PROTECTION MEASURES SHALL BE IN PLACE PRIOR TO CONSTRUCTION AND INSPECTED BY THE CITY OF BOULDER.
  - AS A GENERAL RULE, WHEN TRANSPANTING TREES THE ROOT BALL SIZE SHOULD BE 1 FOOT FOR EVERY INCH OF THE TRUNK CALIPER, EVENLY DISTRIBUTED ON ALL SIDES FROM THE CENTER OF THE TRUNK.
  - THE CONTRACTOR SHALL ENSURE THAT THE TRANSPANTED TREE SURVIVES WITHOUT SIGNIFICANT LOSS OF TREE VALUE FOR 1 YEAR.
  - IN GENERAL, TRANSPANTING SHALL BE DONE BETWEEN MARCH 1ST AND APRIL 30TH UNLESS DEEMED UNSUITABLE FOR EARLY SPRING TRANSPANTING WHICH THEN SHOULD BE DETERMINED BETWEEN SEPTEMBER 10TH AND OCTOBER 30TH.
  - ROOT PROTECTION SHALL BE EMPLOYED DURING CONSTRUCTION, AND NOT BE CUT UNLESS NECESSARY TO PREVENT DAMAGE TO EXISTING TREES. ALL EXPOSED ROOTS SHALL BE COVERED IMMEDIATELY WITH SOIL OR BARKMULCH TO KEEP MOIST.
  - TREES SHALL ONLY BE REMOVED IN COMPLIANCE WITH THIS LANDSCAPE PLAN, APPROVED BY THE CITY AS SET FORTH. ALL TREES REMOVED SHALL BE MARKED WITH AN 7" X 1/2" BLUE PERMANENT MARKING AND APPROVED BY THE CITY PRIOR TO REMOVAL.
  - ALL TREES REMOVED SHALL INCLUDE STUMP GRINDING TO A MINIMUM DEPTH OF 12 INCHES.

**PLANT LIST**

EXISTING TREES	COMMON NAME	CONT.	SIZE	INTERVALS	MATURE POLLINATOR
EDR 18	EXISTING TREE	NA	NA	NA	NA
AMC 2	ACER SACCHARINUM	8.8.8	7CAL	LOW	YES
OS 1	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 2	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 3	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 4	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 5	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 6	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 7	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 8	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 9	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 10	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 11	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 12	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 13	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 14	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 15	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 16	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 17	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
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OS 21	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 22	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 23	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 24	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 25	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 26	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 27	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 28	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 29	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 30	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 31	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 32	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 33	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 34	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 35	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 36	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 37	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 38	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 39	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 40	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 41	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 42	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 43	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 44	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 45	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 46	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 47	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 48	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 49	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 50	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 51	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 52	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 53	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 54	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 55	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 56	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 57	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 58	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 59	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 60	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 61	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 62	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 63	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 64	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 65	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 66	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 67	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 68	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 69	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 70	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 71	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 72	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 73	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 74	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 75	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
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OS 79	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 80	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 81	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 82	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
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OS 91	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
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OS 98	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 99	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES
OS 100	OSYRIS SPICATA	8.8.8	7CAL	LOW	YES



**CITY OF BOULDER, COLORADO  
TREES AND SHRUBS  
PLANTING DETAIL**

DATE: JULY 2, 1998  
REVISED: OCT. 17, 2000  
DRAWING NO. 3.02

**SEED MIX**

FOOTHILLS SEED MIX

COMMON NAME	SPECIES NAME	VARIETY	% OF MIX	#FS S/GORE
BLUE GRAMA	BOULEGARDI/PENDULA	NAVY BLUE	15%	1.82
SLENDER WHEAT GRASS	ELYMUS TRACYPICATUS	NATIVE	20%	4.38
JUNE GRASS	KOeleria MACRANTHA	NATIVE	10%	0.15
WESTERN WHEAT GRASS	PASCOPYRUM TILLI	NATIVE	10%	3.17
SWITCHGRASS	PANICUM VIRGATUM	BLACKWELLER	7%	0.63
LITTLE BLUESTEM	SCHIZACHYRIUM SCOPARIUM	NEBRASKA 28	8%	1.07
GREEN NEEDLEGRASS	STIPA VIRIDULA	NATIVE	100%	16.36

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NO.	DATE	DESCRIPTION	REVISION DESCRIPTION
1	10/18/98	PLANS	TECHNICAL DOCUMENT SUBMITTAL #02
2	02/06/99	PLANS	TECHNICAL DOCUMENT SUBMITTAL #03
3	02/06/99	PLANS	TECHNICAL DOCUMENT SUBMITTAL #02

**LANDSCAPE NOTES**

THE ACADEMY AT MAPLETON HILL  
SITE INFRASTRUCTURE PACKAGE  
311 MAPLETON AVE., BOULDER, CO 80303

SHEET NO. LP02



CITY OF BOULDER  
PUBLIC WORKS DEPARTMENT  
RECOMMENDATION FOR APPROVAL

ENGINEERING SUPERVISOR: \_\_\_\_\_  
DATE: \_\_\_\_\_

DESIGNER: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
JOB # \_\_\_\_\_  
DATE: 01/22/09

CITY OF BOULDER  
PUBLIC WORKS DEPARTMENT  
RECOMMENDATION FOR APPROVAL

ENGINEERING SUPERVISOR: \_\_\_\_\_  
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DESIGNER: \_\_\_\_\_  
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JOB # \_\_\_\_\_  
DATE: 01/22/09

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PUBLIC WORKS DEPARTMENT  
RECOMMENDATION FOR APPROVAL

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DATE: \_\_\_\_\_

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CHECKED BY: \_\_\_\_\_  
JOB # \_\_\_\_\_  
DATE: 01/22/09

CITY OF BOULDER  
PUBLIC WORKS DEPARTMENT  
RECOMMENDATION FOR APPROVAL

ENGINEERING SUPERVISOR: \_\_\_\_\_  
DATE: \_\_\_\_\_

DESIGNER: \_\_\_\_\_  
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CHECKED BY: \_\_\_\_\_  
JOB # \_\_\_\_\_  
DATE: 01/22/09

CITY OF BOULDER  
PUBLIC WORKS DEPARTMENT  
RECOMMENDATION FOR APPROVAL

ENGINEERING SUPERVISOR: \_\_\_\_\_  
DATE: \_\_\_\_\_

DESIGNER: \_\_\_\_\_  
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JOB # \_\_\_\_\_  
DATE: 01/22/09

CITY OF BOULDER  
PUBLIC WORKS DEPARTMENT  
RECOMMENDATION FOR APPROVAL

ENGINEERING SUPERVISOR: \_\_\_\_\_  
DATE: \_\_\_\_\_

DESIGNER: \_\_\_\_\_  
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CHECKED BY: \_\_\_\_\_  
JOB # \_\_\_\_\_  
DATE: 01/22/09

CITY OF BOULDER  
PUBLIC WORKS DEPARTMENT  
RECOMMENDATION FOR APPROVAL

ENGINEERING SUPERVISOR: \_\_\_\_\_  
DATE: \_\_\_\_\_

DESIGNER: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
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JOB # \_\_\_\_\_  
DATE: 01/22/09

CITY OF BOULDER  
PUBLIC WORKS DEPARTMENT  
RECOMMENDATION FOR APPROVAL

ENGINEERING SUPERVISOR: \_\_\_\_\_  
DATE: \_\_\_\_\_

DESIGNER: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
JOB # \_\_\_\_\_  
DATE: 01/22/09

CITY OF BOULDER  
PUBLIC WORKS DEPARTMENT  
RECOMMENDATION FOR APPROVAL

ENGINEERING SUPERVISOR: \_\_\_\_\_  
DATE: \_\_\_\_\_

DESIGNER: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
JOB # \_\_\_\_\_  
DATE: 01/22/09

1 LANDSCAPE PLAN



SHEET NO. LP1.1

THE ACADEMY AT MAPLETON HILL  
SITE INFRASTRUCTURE PACKAGE  
311 MAPLETON AVE., BOULDER, CO 80303

PLANTING PLAN

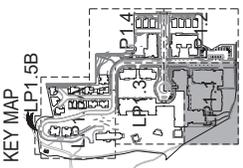


ENGINEERING REVIEW MANAGER: \_\_\_\_\_ DATE: \_\_\_\_\_  
SEPARATION OF PUBLIC WORKS REUSED  
CITY OF BOULDER  
PUBLIC WORKS DEPARTMENT  
RECOMMENDATION FOR APPROVAL  
WATER/SEWER  
TRANSPORTATION  
PARANAGE

NO.	DATE	BY	DESCRIPTION
1	12/18/18	PMS	TECHNICAL DOCUMENT SUBMITTAL #02
2	02/06/19	PMS	TECHNICAL DOCUMENT SUBMITTAL #03

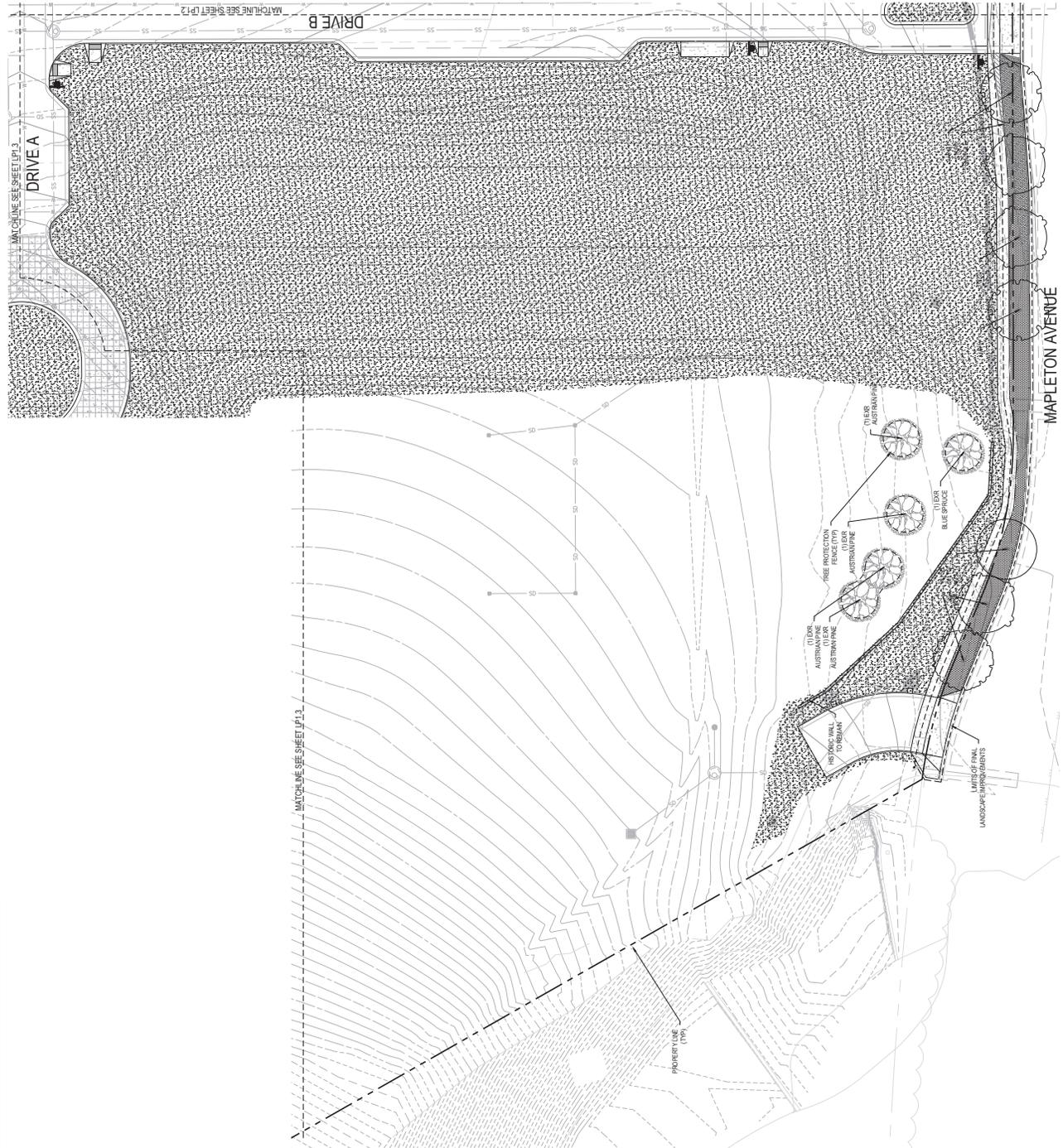
DESIGNED BY:	SA
DRAWN BY:	DCS
CHECKED BY:	PMS
DATE:	01/22/2019
PROJECT:	311 MAPLETON AVE.
DATE:	01/22/2019

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BOULDER, CO 80521  
1310.537.4925 / 303.433.4928



LEGEND

- EXISTING TREE TO REMAIN
- CANOPY TREE
- EVERGREEN TREE
- ORNAMENTAL TREE
- EVERGREEN SHRUB
- DECIDUOUS SHRUB
- ORNAMENTAL SHRUB
- PERENNIAL SHRUB
- WOOD MULCH
- SOD
- SEED
- EDGER
- RETAINING WALL BLOCK (P.3) (TYP)
- RETAINING WALL BOULDER (P.3) (TYP)



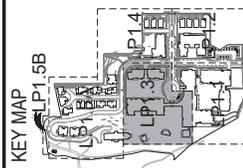


NO.	DATE	BY	DESCRIPTION
1	02.18.19	PMS	TECHNICAL DOCUMENT SUBMITTAL #02
2	02.06.19	PMS	TECHNICAL DOCUMENT SUBMITTAL #03

DESIGNED BY:	SA
DRAWN BY:	DCS
CHECKED BY:	PMS
DATE:	01/22/2019

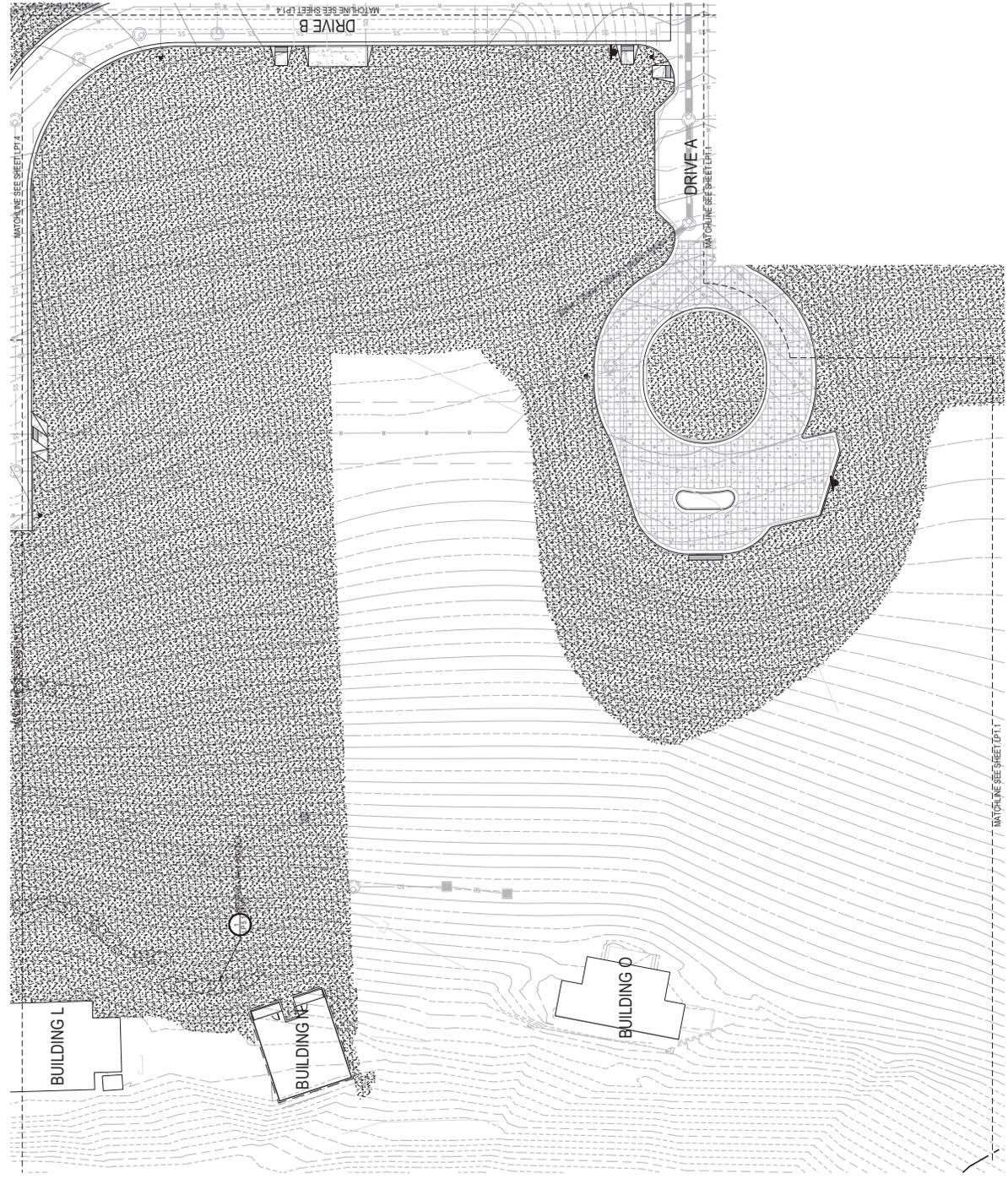
THE ACADEMY AT MAPLETON HILL  
 SITE INFRASTRUCTURE PACKAGE  
 311 MAPLETON AVE., BOULDER, CO 80303  
 PLANTING PLAN

SHEET NO.  
**LP1.3**



LEGEND

- EXISTING TREE TO REMAIN
- CLUMPY TREE
- EVERGREEN TREE
- ORNAMENTAL TREE
- EVERGREEN SHRUB
- DECIDUOUS SHRUB
- ORNAMENTAL SHRUB
- PERENNIAL SHRUB
- WOOD MULCH
- SOIL
- SEED
- EDGER
- RETAINING WALL BLOCK (1:1)
- RETAINING WALL BOLLER (1:1)



CITY OF BOULDER  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING CONSTRUCTION DIVISION  
 ENGINEERING REVIEW MANAGER: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SEPARATION OF PUBLIC WORKS: \_\_\_\_\_  
 REVISIONS: \_\_\_\_\_  
 ORIGINAL DATES OF THIS PLAN: \_\_\_\_\_  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 WATER/SEWER \_\_\_\_\_  
 TRANSPORTATION \_\_\_\_\_  
 PLANNING \_\_\_\_\_



SCALE: 1"=30'  
 0 10 20 40 60 NORTH

1 LANDSCAPE PLAN



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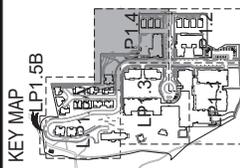
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NO.	DATE	REVISION DESCRIPTION
1	02/18/19	TECHNICAL DOCUMENT SUBMITTAL #02
2	02/06/19	TECHNICAL DOCUMENT SUBMITTAL #02

DESIGNED BY:	SA
DRAWN BY:	CS
CHECKED BY:	PCS
DATE:	01/22/2019
PROJECT:	311 MAPLETON AVE., BOULDER, CO 80303

PLANTING PLAN  
THE ACADEMY AT MAPLETON HILL  
SITE INFRASTRUCTURE PACKAGE  
311 MAPLETON AVE., BOULDER, CO 80303

SHEET NO.  
LP14

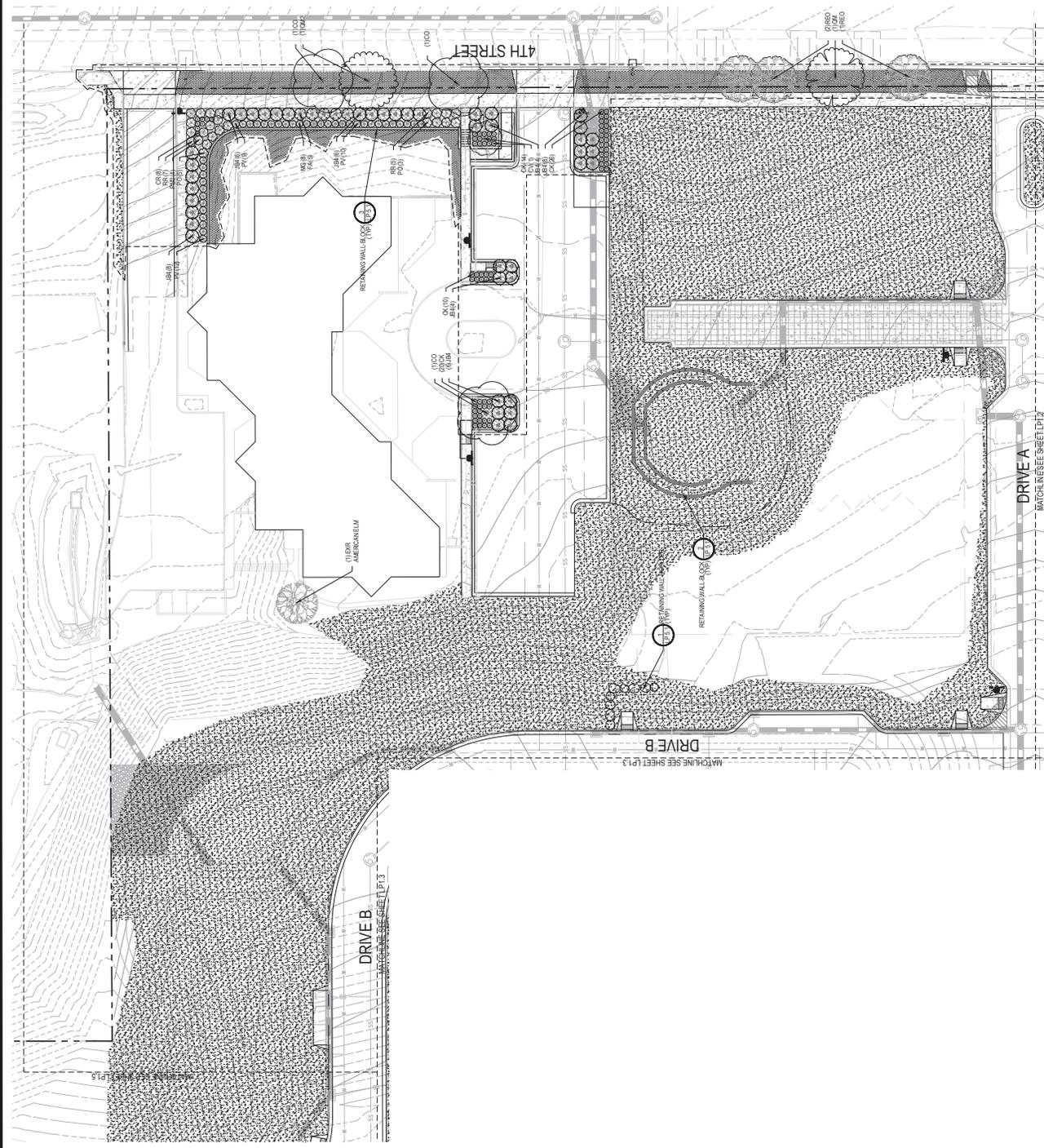


LEGEND

- EXISTING TREE TO REMAIN
- WANDY TREE
- EVERGREEN TREE
- ORNAMENTAL TREE
- EVERGREEN SHRUB
- DECIDUOUS SHRUB
- ORNAMENTAL SHRUB
- PERENNIAL SHRUB
- WOOD MULCH
- SOD
- SEED
- EDGER
- RETAINING WALL BLOCK (1.5' (1.5'))
- RETAINING WALL BOLLIDER (1.5' (1.5'))

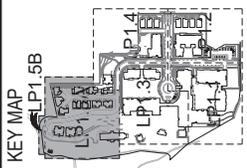


CITY OF BOULDER  
SEPARATING PUBLIC WORKS  
RE USED  
ENGINEERING CONSTRUCTION DRAWING  
ENGINEER REVIEW MANAGER DATE  
CIVIL ENGINEER REVIEW DATE  
CIVIL ENGINEER REVIEW DATE  
CIVIL ENGINEER REVIEW DATE



1 LANDSCAPE PLAN

File Path: \\jand\jand\Projects\2019\311 Mapleton Ave\311 Mapleton Ave\_Site Infrastructure\311 Mapleton Ave\_Site Infrastructure\_Civil.dwg  
Date: 01/22/2019 10:58:11 AM  
User: jand\jand\jand



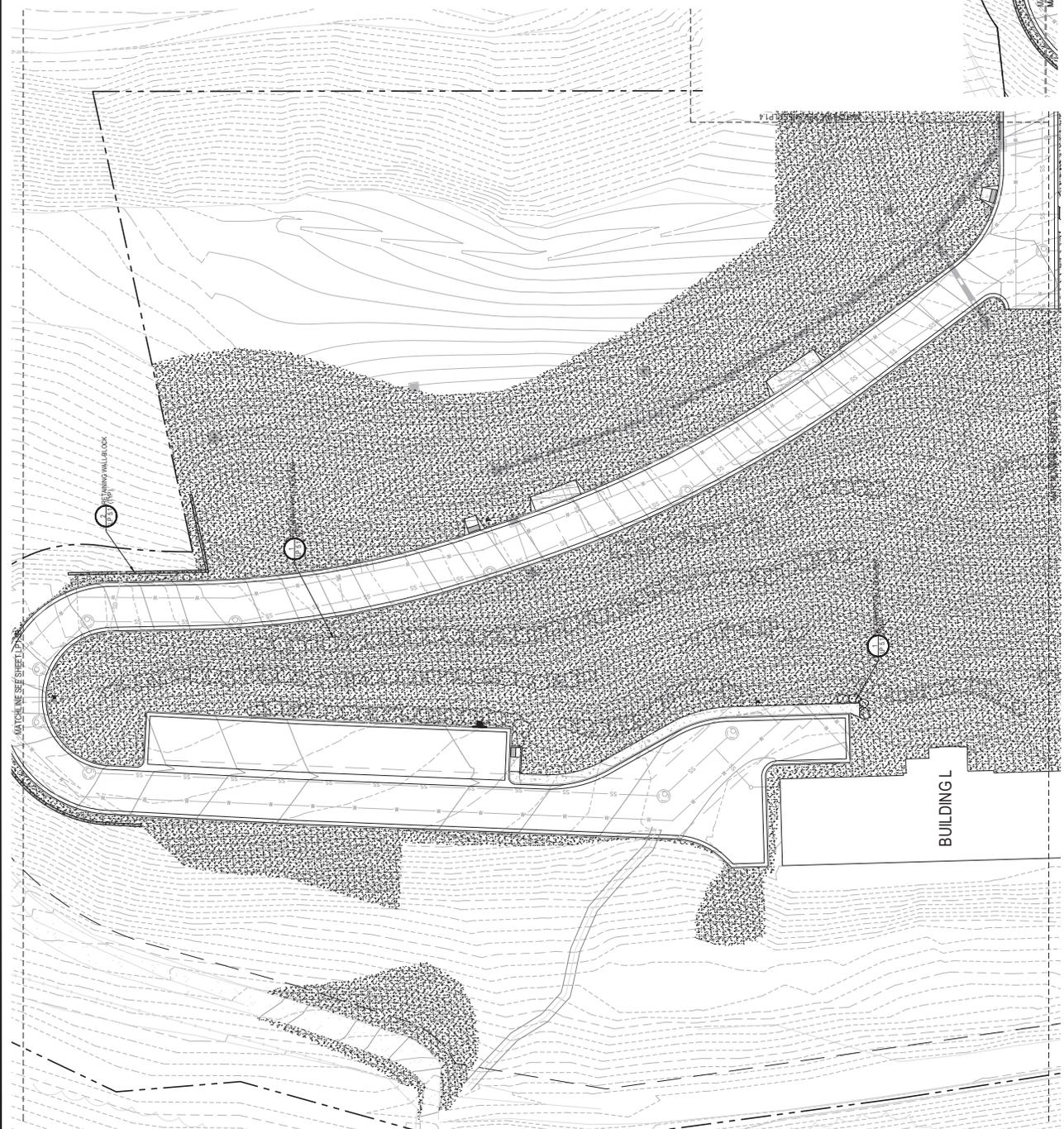
**LEGEND**

- EXISTING TREE TO REMAIN
- WANDY TREE
- EVERGREEN TREE
- ORNAMENTAL TREE
- EVERGREEN SHRUB
- DECIDUOUS SHRUB
- ORNAMENTAL SHRUB
- PERENNIAL SHRUB
- WOOD MULCH
- SOD
- SEED
- EDGER
- RETAINING WALL BLOCK (1:1)
- RETAINING WALL BLOCK (1:1.5)

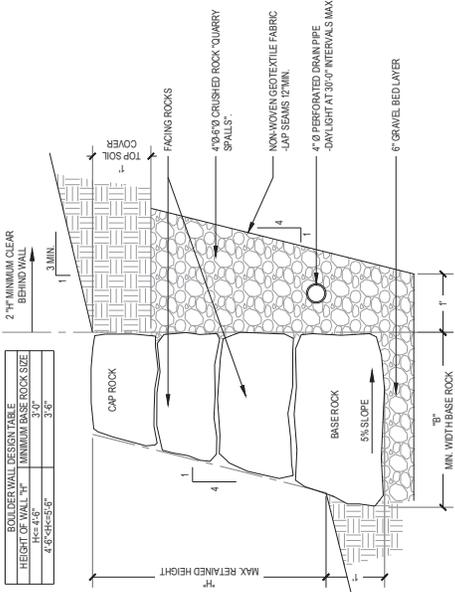
CITY OF BOULDER  
 SEPARATION OF PUBLIC WORKS  
 RE USE CASE #1020  
 ENGINEERING CONSTRUCTION DRAWING

DATE: \_\_\_\_\_  
 ENGINEERING REVIEW MANAGER: \_\_\_\_\_  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL

DATE: \_\_\_\_\_  
 WATER/SEWER  
 TRANSPORTATION  
 PERMITS

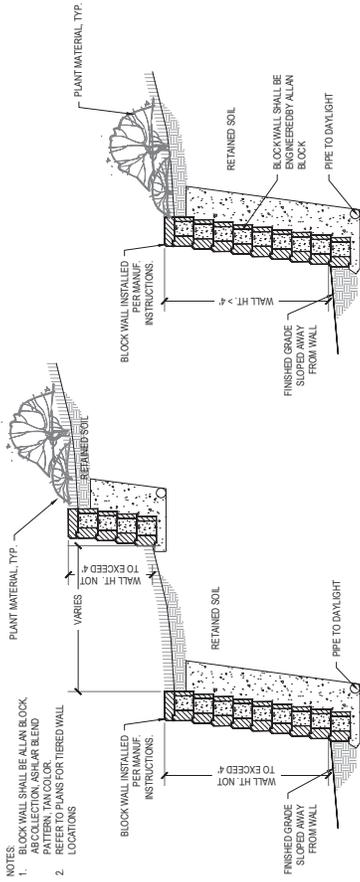


- NOTES:
- BOLLER WALLS SHALL BE CONSTRUCTED PER FINANCIAL ENGINEERS
  - PLACE BASE AND CAP ROCKS SUCH THAT THEIR HEIGHT DIMENSIONS IS NOT GREATER THAN THEIR WIDTH. THE LONGEST DIMENSION OF THE BASE, FACING AND CAP ROCKS IS PERPENDICULAR TO FACE OF WALL.
  - EACH ROCK ABOVE BASE ROCK SHOULD BEAR ON AT LEAST TWO OTHER ROCKS AND WITH A MINIMUM OF THREE POINTS OF CONTACT.



**1** RETAINING WALL - BOULDER  
Scale: NTS

- NOTES:
1. BLOCK WALL SHALL BE ALAN BLOCK COLLECTION, SUEDE BLEND PATENTED BY ALAN BLOCK. REFER TO PLANS FOR TIERED WALL LOCATIONS
  2. WALL HT. NOT TO EXCEED 4'



LESS THAN 4 FEET HIGH

GREATER THAN 4 FEET HIGH

**2** RETAINING WALL - BLOCK  
Scale: NTS



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303.437.4902  
303.437.4908  
13103.571.4900  
13103.571.4902  
13103.571.4908

NO.	DATE	DESCRIPTION	BY	CHKD.	APP.
1	02/18/19	PCS	PCS	PCS	PCS
2	02/06/19	PCS	PCS	PCS	PCS

TECHNICAL DOCUMENT SUBMITTAL #02  
REVISION DESCRIPTION

DESIGNED BY: SA	SA
DRAWN BY: DCS	DCS
CHECKED BY: PMS	PMS
JOB #	
DATE	01/22/2019
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THE ACADEMY AT MAPLETON HILL  
SITE INFRASTRUCTURE PACKAGE  
311 MAPLETON AVE., BOULDER, CO 80303

SITE DETAILS

SHEET NO.  
LPS.1



ENGINEERING REVIEW MANAGER: \_\_\_\_\_ DATE: \_\_\_\_\_  
SEPARATION OF PUBLIC WORKS: \_\_\_\_\_  
ENGINEERING CONSTRUCTION DRAWING: \_\_\_\_\_

CITY OF BOULDER  
PUBLIC WORKS DEPARTMENT  
RECOMMENDATION FOR APPROVAL:  
WATER/SEWER \_\_\_\_\_  
TRANSPORTATION \_\_\_\_\_  
PLANNING \_\_\_\_\_







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 1311 13th Street, Suite 212  
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NO.	DATE	REVISION DESCRIPTION
1	02.18.18	PCS
2	02.06.18	PCS

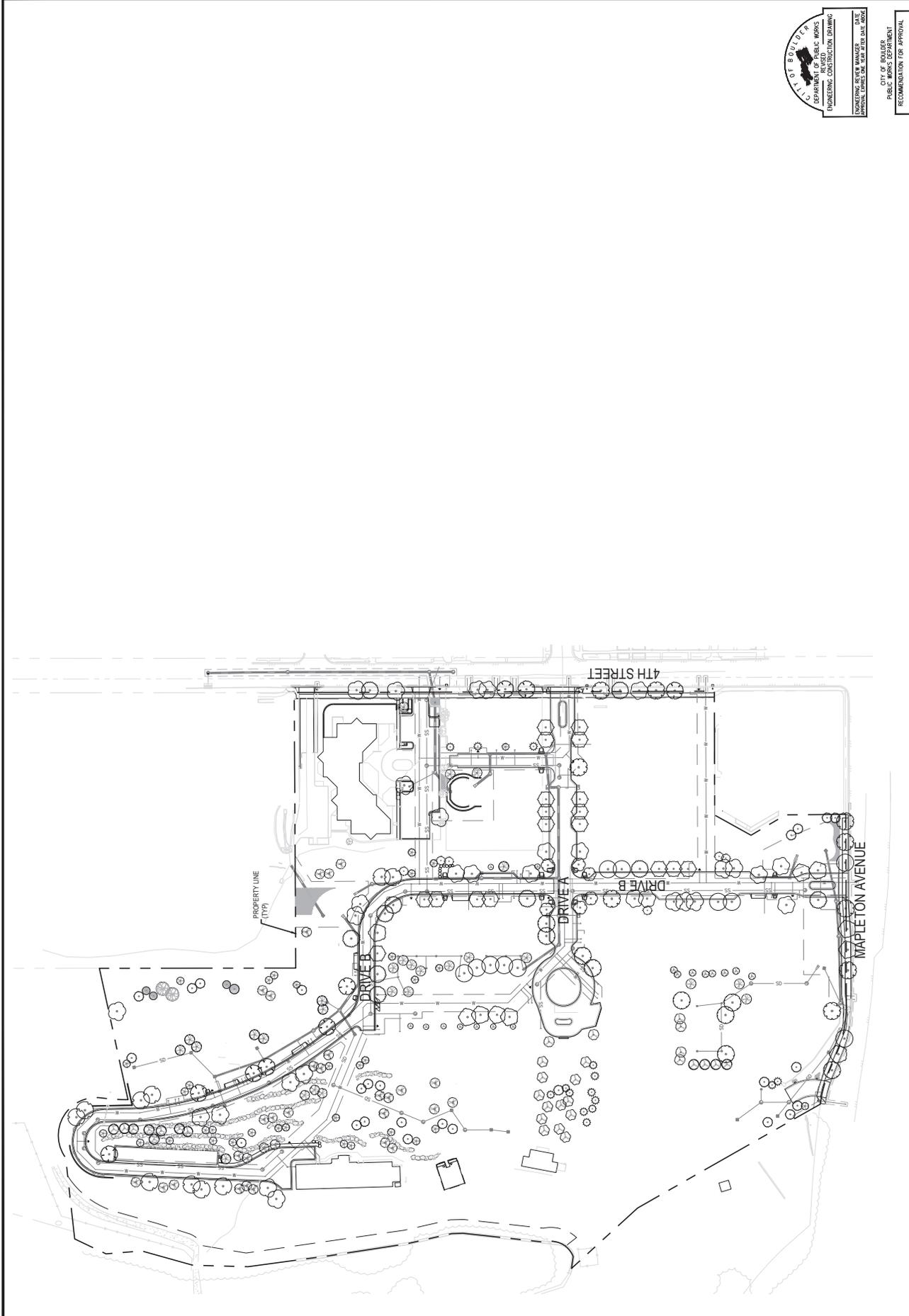
DESIGNED BY: SA	PCS
DRAWN BY: PCS	PCS
CHECKED BY: PCS	PCS
DATE: 01/22/2018	

THE ACADEMY AT MAPLETON HILL  
 311 MAPLETON AVE., BOULDER, CO 80303  
 UTILITIES AND TREES PLAN

SHEET NO.  
 UTO.1



CITY OF BOULDER  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 WATER/SEWER  
 TRANSPORTATION  
 PLANNING



1 UTILITIES AND TREES PLAN



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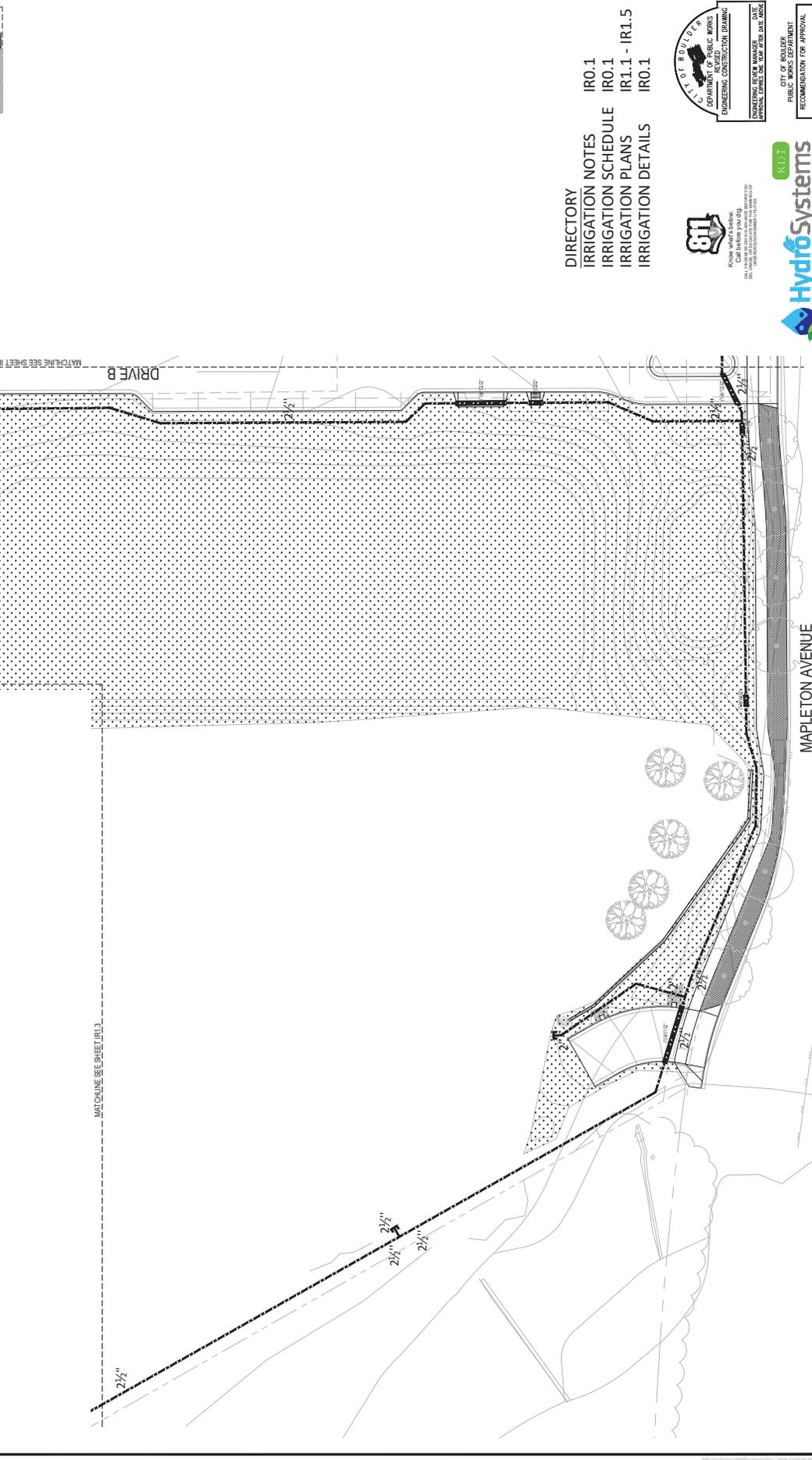
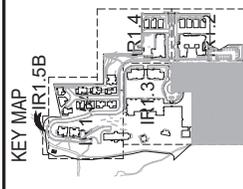
NO.	DATE	DESIGN	REVISION DESCRIPTION

DESIGNED BY	308
DRAWN BY	308
CHECKED BY	R.D.
APP. #	2462-3
DATE	01/22/2019
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MAPLETON HILL DEVELOPMENT GROUP  
THE ACADEMY AT MAPLETON HILL  
311 MAPLETON AVE., BOULDER, CO 80303

IRRIGATION PLAN

SHEET NO.  
IR 1.1



- DIRECTORY
  - IRRIGATION NOTES
  - IRRIGATION SCHEDULE
  - IRRIGATION PLANS
  - IRRIGATION DETAILS
- IR 0.1
  - IR 0.1
  - IR 1.1 - IR 1.5
  - IR 0.1

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PUBLIC WORKS DEPARTMENT  
RECOMMENDATION FOR APPROVAL  
WATER/SEWER  
TRANSPORTATION  
DRAINAGE

DATE: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
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APPROVED BY: \_\_\_\_\_

1 IRRIGATION PLAN



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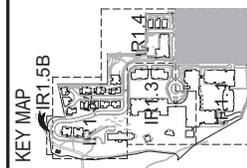
pcs group inc.  
 www.pcsgrrouponline.com  
 3100 10th Street, Suite 100  
 Boulder, Colorado 80502  
 303.440.1000  
 1300.531.4905, 1300.531.4908

NO.	DATE	DESIGN	BY	DESCRIPTION

DESIGNED BY: JAR  
 DRAWN BY: JAR  
 CHECKED BY: JAR  
 APPR: JAR  
 DATE: 01/22/2019  
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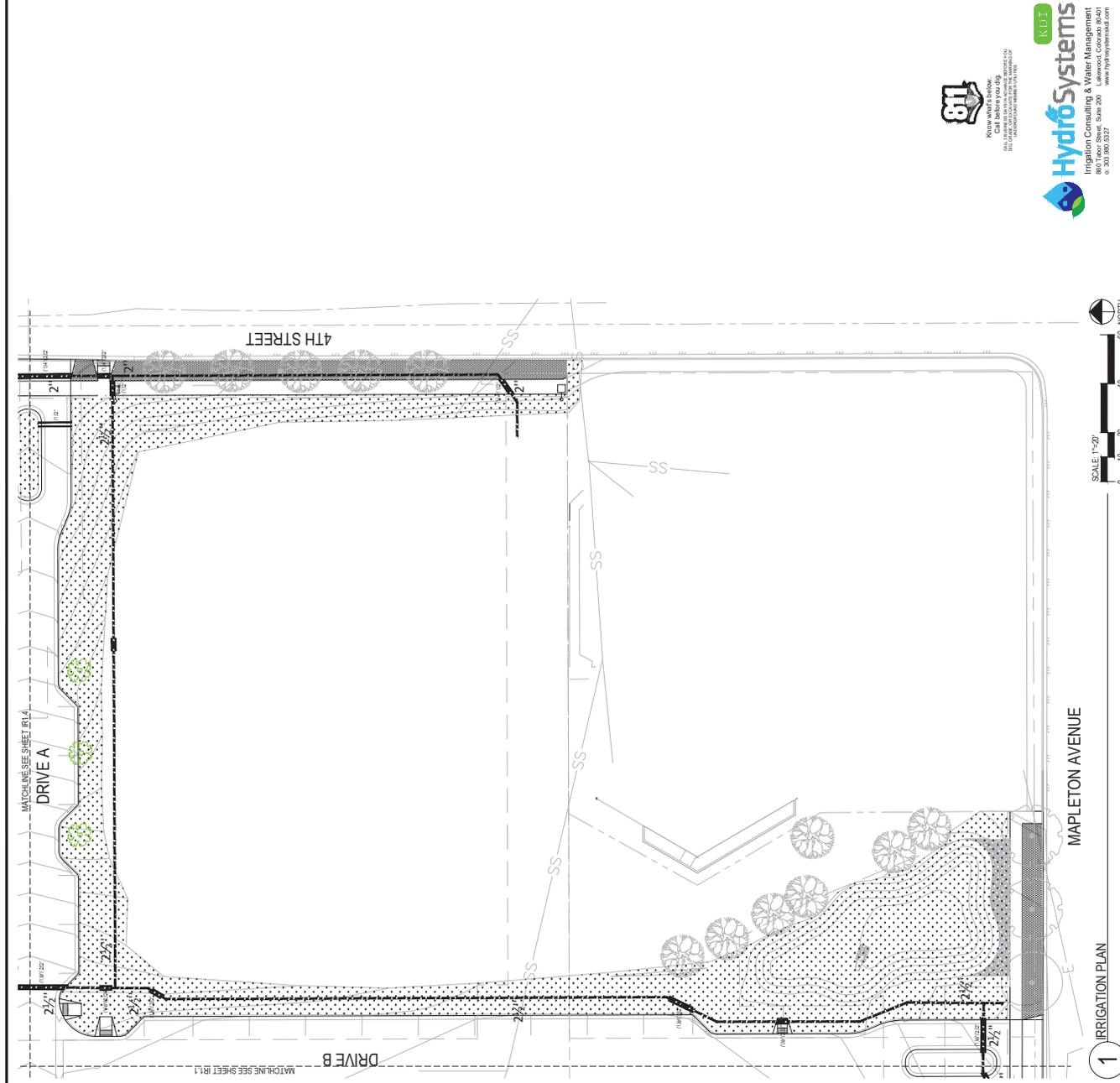
MAPLETON HILL DEVELOPMENT GROUP  
 THE ACADEMY AT MAPLETON HILL  
 311 MAPLETON AVE., BOULDER, CO 80303

SHEET NO.  
 IR 1.2



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 ENGINEERING CONSTRUCTION DRAWING

ENGINEERING REVIEW MANAGER: \_\_\_\_\_ DATE: \_\_\_\_\_  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL:  
 WATER/SEWER \_\_\_\_\_  
 TRANSPORTATION \_\_\_\_\_  
 DRAINAGE \_\_\_\_\_



SCALE: 1"=20'

0 10 20 40 60 NORTH

1 IRRIGATION PLAN

IR 0.1  
 IRRIGATION NOTES  
 IRRIGATION SCHEDULE  
 IRRIGATION PLANS  
 IRRIGATION DETAILS

IR 0.1  
 IR 0.1  
 IR 1.1 - IR 1.5  
 IR 0.1





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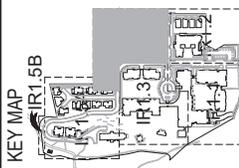
NO.	DATE	DESIGN	BY	DESCRIPTION

DESIGNED BY	308
DRAWN BY	308
CHECKED BY	R.D.
APP. #	2462-2
DATE	01/22/2019
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IRRIGATION PLAN

SHEET NO.  
IR 1.4



- DIRECTORY
- IRRIGATION NOTES
- IRRIGATION SCHEDULE
- IRRIGATION PLANS
- IRRIGATION DETAILS

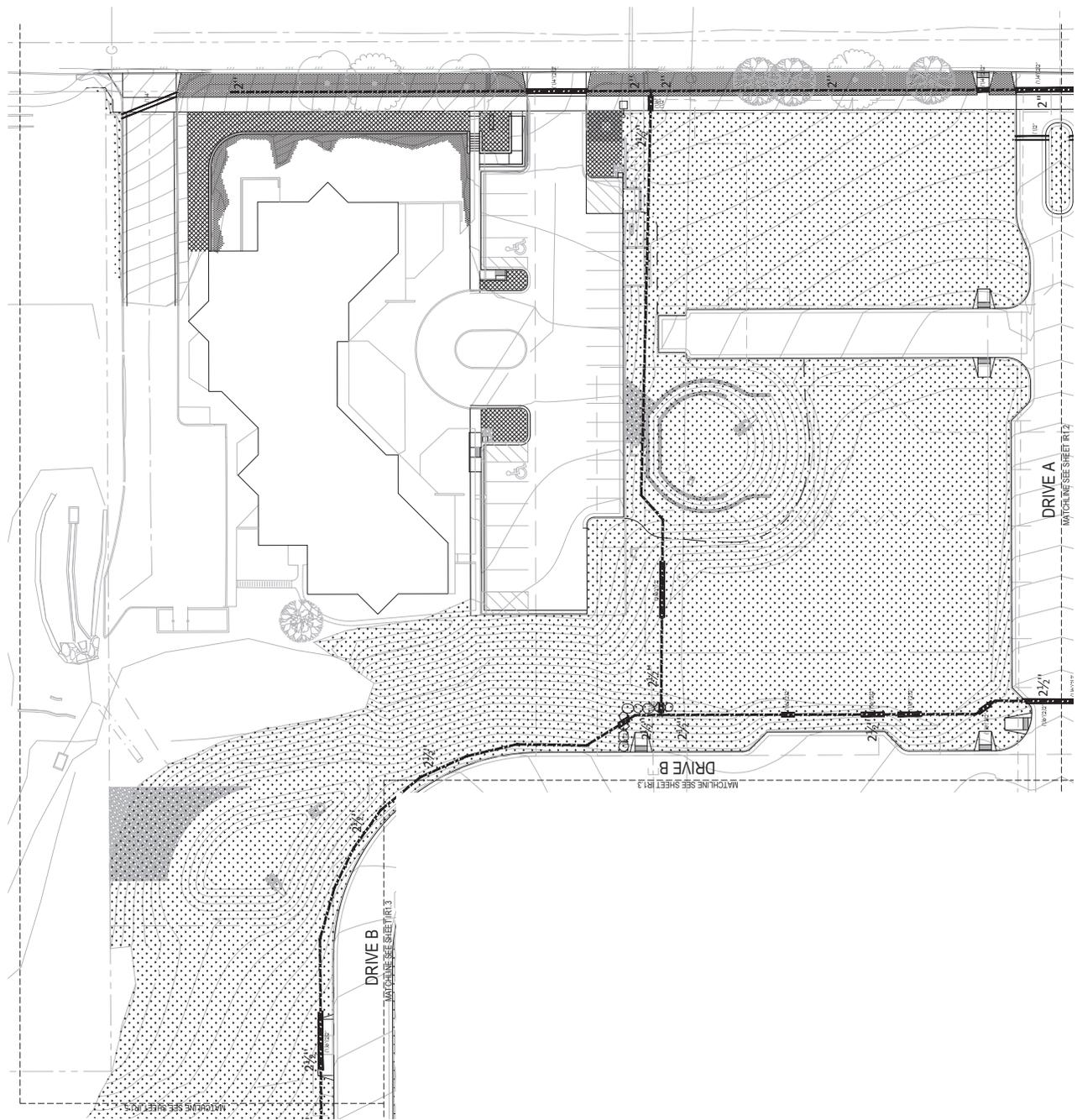


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WATER/SEWER  
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PERMITS



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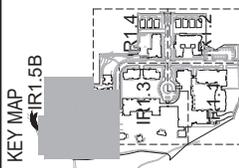
1 IRRIGATION PLAN

NO.	DATE	DESCRIPTION	BY	CHKD.	APP.

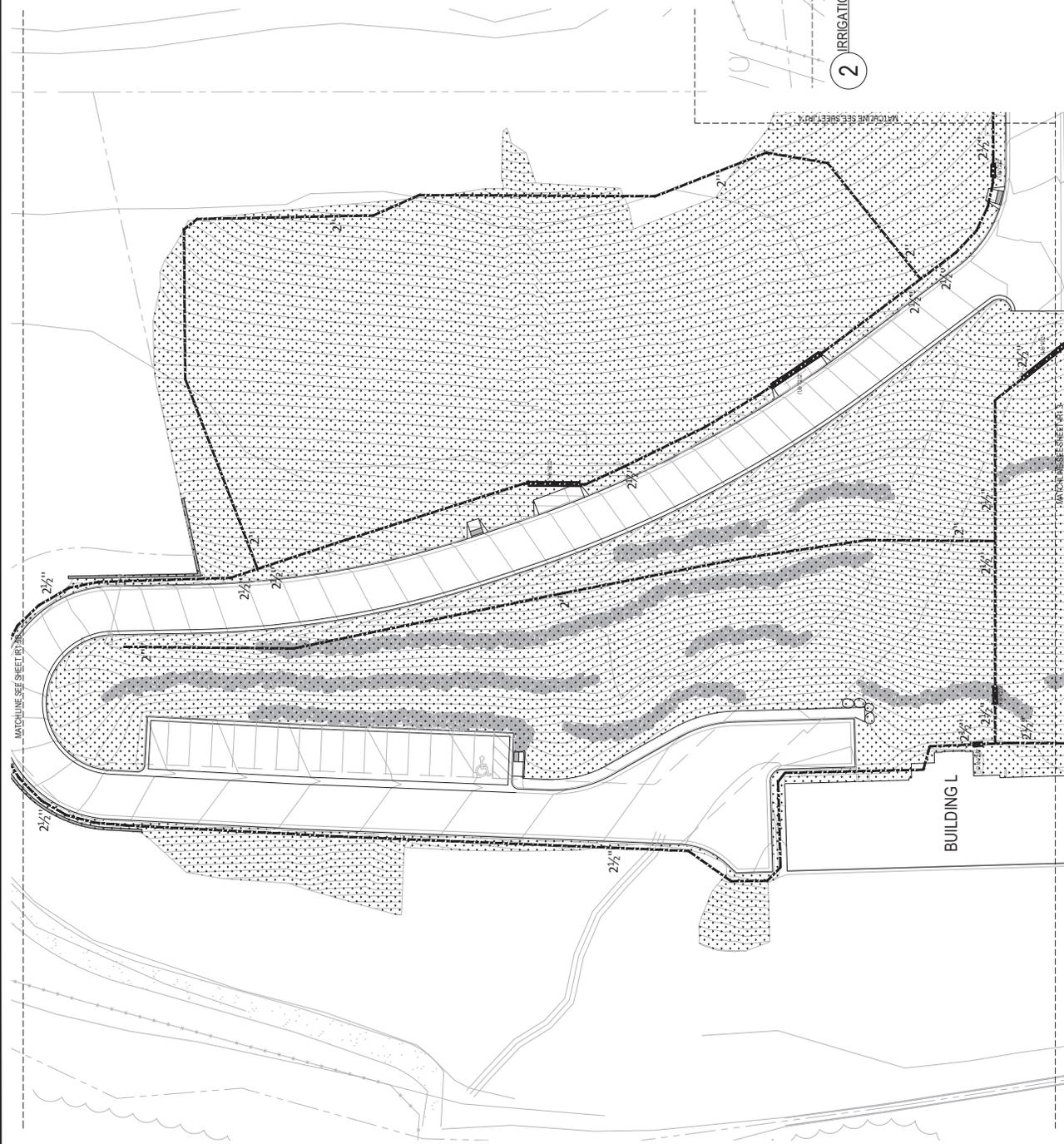
DESIGNED BY: JAR
DRAWN BY: JAR
CHECKED BY: JAR
DATE: 01/22/2019

MAPLETON HILL DEVELOPMENT GROUP  
 THE ACADEMY AT MAPLETON HILL  
 311 MAPLETON AVE., BOULDER, CO 80303

SHEET NO.  
**IR1.5**



- DIRECTORY
- IRRIGATION NOTES
- IRRIGATION SCHEDULE
- IRRIGATION PLANS
- IRRIGATION DETAILS

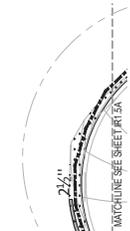



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 RECOMMENDED FOR APPROVAL  
 ENGINEERING CONSTRUCTION DRAWING  
 DRAWING NO. 19-001  
 PROJECT: THE ACADEMY AT MAPLETON HILL  
 DATE: 01/22/2019

CITY OF BOULDER  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 WATER/SSEWER  
 TRANSPORTATION  
 DRAWING



SCALE: 1"=20'  
 0 10 20 40 60 NORTH

SCALE: 1"=20'  
 0 10 20 40 60 NORTH

1 IRRIGATION PLAN - A