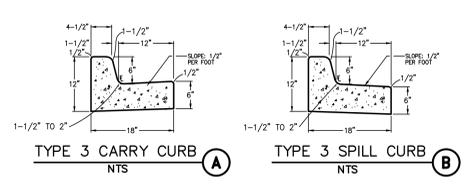
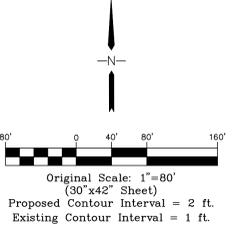
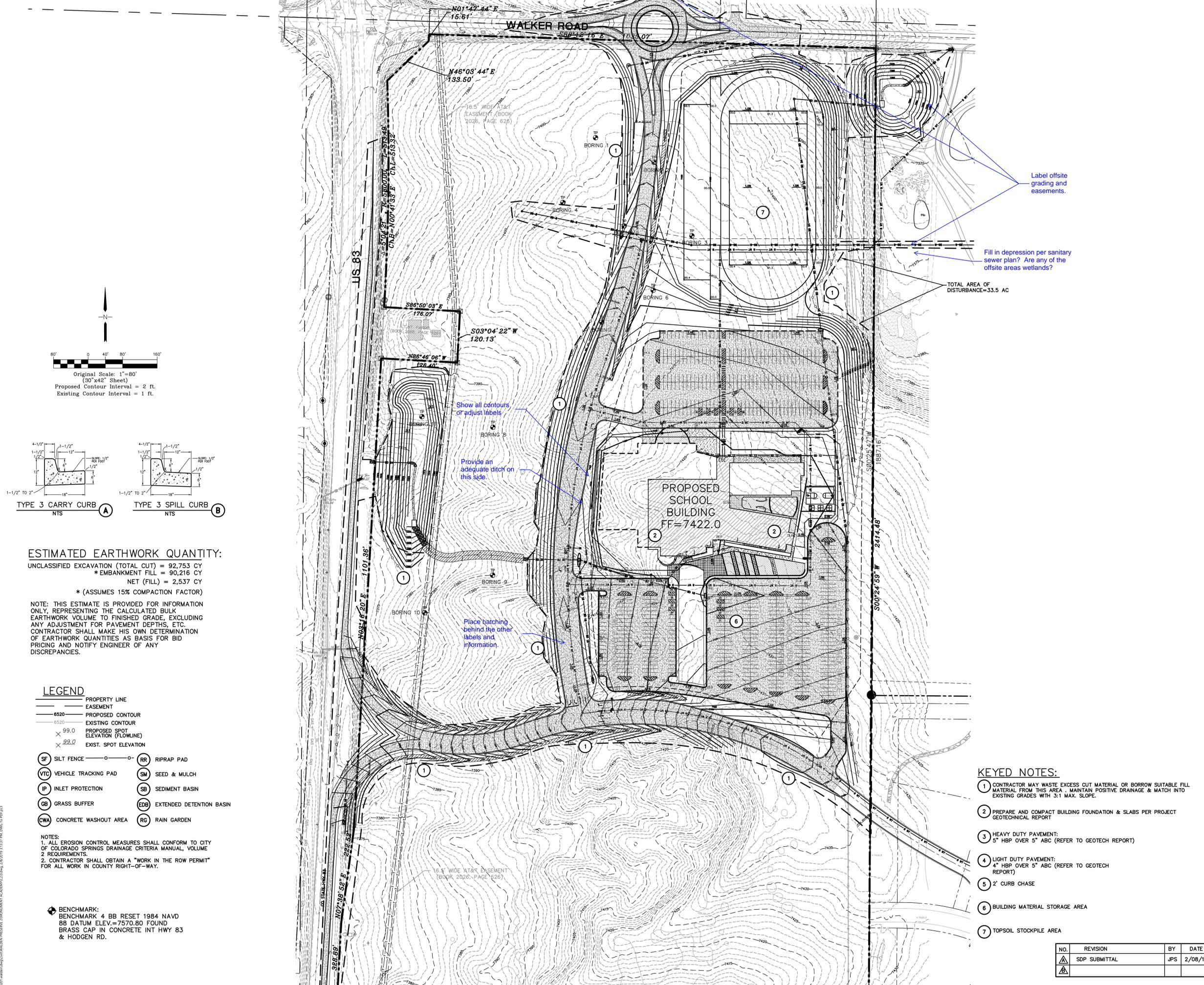


MONUMENT ACADEMY MIDDLE/HIGH SCHOOL

DEVELOPMENT PLAN



ESTIMATED EARTHWORK QUANTITY:
 UNCLASSIFIED EXCAVATION (TOTAL CUT) = 92,753 CY
 * EMBANKMENT FILL = 90,216 CY
 NET (FILL) = 2,537 CY
 * (ASSUMES 15% COMPACTION FACTOR)

NOTE: THIS ESTIMATE IS PROVIDED FOR INFORMATION ONLY, REPRESENTING THE CALCULATED BULK EARTHWORK VOLUME TO FINISHED GRADE, EXCLUDING ANY ADJUSTMENT FOR PAVEMENT DEPTHS, ETC. CONTRACTOR SHALL MAKE HIS OWN DETERMINATION OF EARTHWORK QUANTITIES AS BASIS FOR BID PRICING AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

- LEGEND**
- PROPERTY LINE
 - - - EASEMENT
 - 6520 PROPOSED CONTOUR
 - - - 6520 EXISTING CONTOUR
 - × 99.0 PROPOSED SPOT ELEVATION (FLOWLINE)
 - × 99.0 EXIST. SPOT ELEVATION
 - (SF) SILT FENCE
 - (VTC) VEHICLE TRACKING PAD
 - (IP) INLET PROTECTION
 - (GB) GRASS BUFFER
 - (CWA) CONCRETE WASHOUT AREA
 - (RR) RIPRAP PAD
 - (SM) SEED & MULCH
 - (SB) SEDIMENT BASIN
 - (EDB) EXTENDED DETENTION BASIN
 - (RG) RAIN GARDEN

NOTES:
 1. ALL EROSION CONTROL MEASURES SHALL CONFORM TO CITY OF COLORADO SPRINGS DRAINAGE CRITERIA MANUAL, VOLUME 2 REQUIREMENTS.
 2. CONTRACTOR SHALL OBTAIN A "WORK IN THE ROW PERMIT" FOR ALL WORK IN COUNTY RIGHT-OF-WAY.

BENCHMARK:
 BENCHMARK 4 BB RESET 1984 NAVD
 88 DATUM ELEV.=7570.80 FOUND
 BRASS CAP IN CONCRETE INT HWY 83
 & HODGEN RD.

Label offsite grading and easements.

Fill in depression per sanitary sewer plan? Are any of the offsite areas wetlands?

TOTAL AREA OF DISTURBANCE=33.5 AC

Show all contours or adjust labels

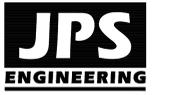
Provides an adequate ditch on this side

Place hatching behind the other labels and information.

KEYED NOTES:

- 1 CONTRACTOR MAY WASTE EXCESS CUT MATERIAL OR BORROW SUITABLE FILL MATERIAL FROM THIS AREA. MAINTAIN POSITIVE DRAINAGE & MATCH INTO EXISTING GRADES WITH 3:1 MAX. SLOPE.
- 2 PREPARE AND COMPACT BUILDING FOUNDATION & SLABS PER PROJECT GEOTECHNICAL REPORT
- 3 HEAVY DUTY PAVEMENT:
5" HBP OVER 5" ABC (REFER TO GEOTECH REPORT)
- 4 LIGHT DUTY PAVEMENT:
4" HBP OVER 5" ABC (REFER TO GEOTECH REPORT)
- 5 2' CURB CHASE
- 6 BUILDING MATERIAL STORAGE AREA
- 7 TOPSOIL STOCKPILE AREA

NO.	REVISION	BY	DATE
1	SDP SUBMITTAL	JPS	2/08/19



19 E. Willamette Ave.
 Colorado Springs, CO
 80903
 PH: 719-477-9429
 FAX: 719-471-0766
 www.jpsegr.com

OWNERSHIP OF INSTRUMENTS OF SERVICE:
 ALL REPORTS, PLANS, SPECIFICATIONS, COMPUTER FILES, FIELD DATA, NOTES AND OTHER DOCUMENTS AND INSTRUMENTS PREPARED BY DESIGN PROFESSIONAL AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF THE DESIGN PROFESSIONAL. THE DESIGN PROFESSIONAL SHALL RETAIN ALL COMMON LAW STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT THEREON.

CRP ARCHITECTS AIA
 100 E. St. Vrain, Suite 300
 Colorado Springs, Colorado 80903

SITE GRADING & EROSION CONTROL PLAN

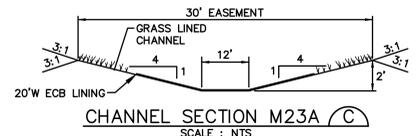
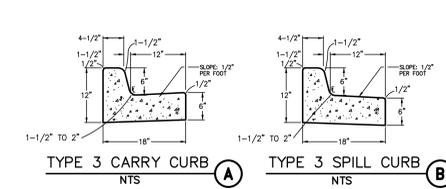
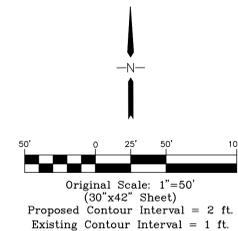
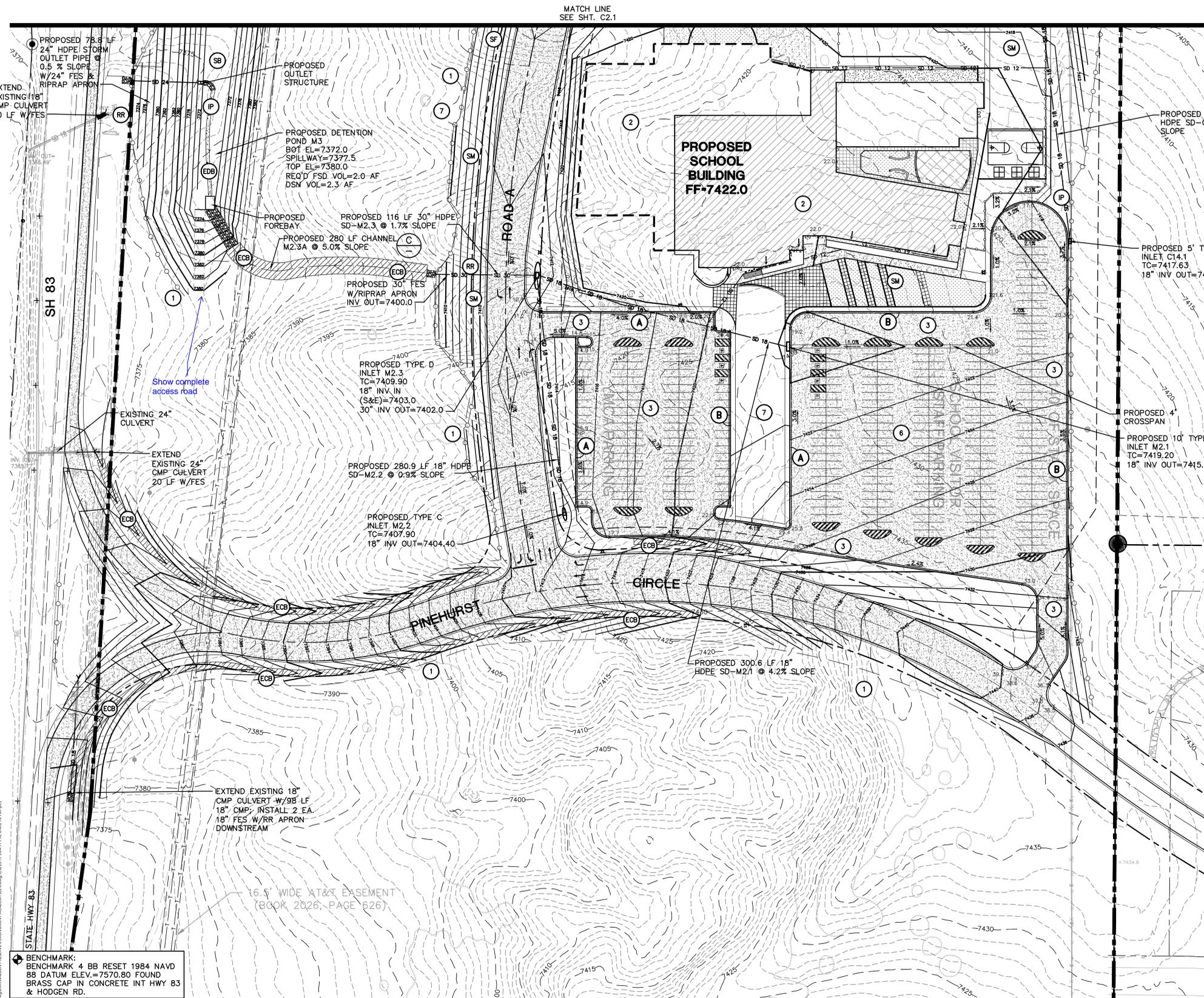
SCALE : 1"=80'

NORTH 	DATE:	12/20/18
	DRAWN BY:	BJJ
	CHECKED BY:	JPS
	REVISED:	2/08/19

C2.0

MONUMENT ACADEMY MIDDLE/HIGH SCHOOL

DEVELOPMENT PLAN



LEGEND

- PROPERTY LINE
- EASEMENT
- 6520 PROPOSED CONTOUR
- 6520 EXISTING CONTOUR
- × 99.0 PROPOSED SPOT ELEVATION (FLOWLINE)
- × 99.0 EXIST. SPOT ELEVATION
- SF SILT FENCE
- VTC VEHICLE TRACKING PAD
- IP INLET PROTECTION
- GB GRASS BUFFER
- CWA CONCRETE WASHOUT AREA
- RR RIPRAP PAD
- SM SEED & MULCH
- SB SEDIMENT BASIN
- EDB EXTENDED DETENTION BASIN
- ECB EROSION CONTROL BLANKET DITCH LINING

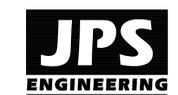
ROOF DRAIN DOWNSPOUTS: INSTALL TRANSITION COUPLINGS & EXTEND 12" PVC STORM DRAIN TO STORM SEWER SYSTEM @ 1.0% MIN. SLOPE UNLESS NOTED OTHERWISE (COORDINATE W/ARCH. & PLUMBING PLANS)

NOTE: ALL EROSION CONTROL MEASURES SHALL CONFORM TO CITY OF COLORADO SPRINGS DRAINAGE CRITERIA MANUAL, VOLUME 2 REQUIREMENTS.

KEYED NOTES:

- 1 CONTRACTOR MAY WASTE EXCESS CUT MATERIAL OR BORROW SUITABLE FILL MATERIAL FROM THIS AREA. MAINTAIN POSITIVE DRAINAGE & MATCH INTO EXISTING GRADES WITH 3:1 MAX. SLOPE.
- 2 PREPARE AND COMPACT BUILDING FOUNDATION & SLABS PER PROJECT GEOTECHNICAL REPORT
- 3 HEAVY DUTY PAVEMENT: 5" HBP OVER 5" ABC (REFER TO GEOTECH REPORT)
- 4 LIGHT DUTY PAVEMENT: 4" HBP OVER 5" ABC (REFER TO GEOTECH REPORT)
- 5 2' CURB CHASE
- 6 BUILDING MATERIAL STORAGE AREA
- 7 TOPSOIL STOCKPILE AREA

NO.	REVISION	BY	DATE
1	SDP SUBMITTAL	JPS	2/08/19



19 E. Willamette Ave.
Colorado Springs, CO
80903
PH: 719-477-9429
FAX: 719-471-0766
www.jpsegr.com

OWNERSHIP OF INSTRUMENTS OF SERVICE:
ALL REPORTS, PLANS, SPECIFICATIONS, COMPUTER FILES, FIELD DATA, NOTES AND OTHER DOCUMENTS AND INSTRUMENTS PREPARED BY DESIGN PROFESSIONAL AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF THE DESIGN PROFESSIONAL. THE DESIGN PROFESSIONAL SHALL RETAIN ALL COMMON LAW STATUTORY AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREON.

CRP ARCHITECTS AIA
100 E. St. Vrain, Suite 300
Colorado Springs, Colorado 80903

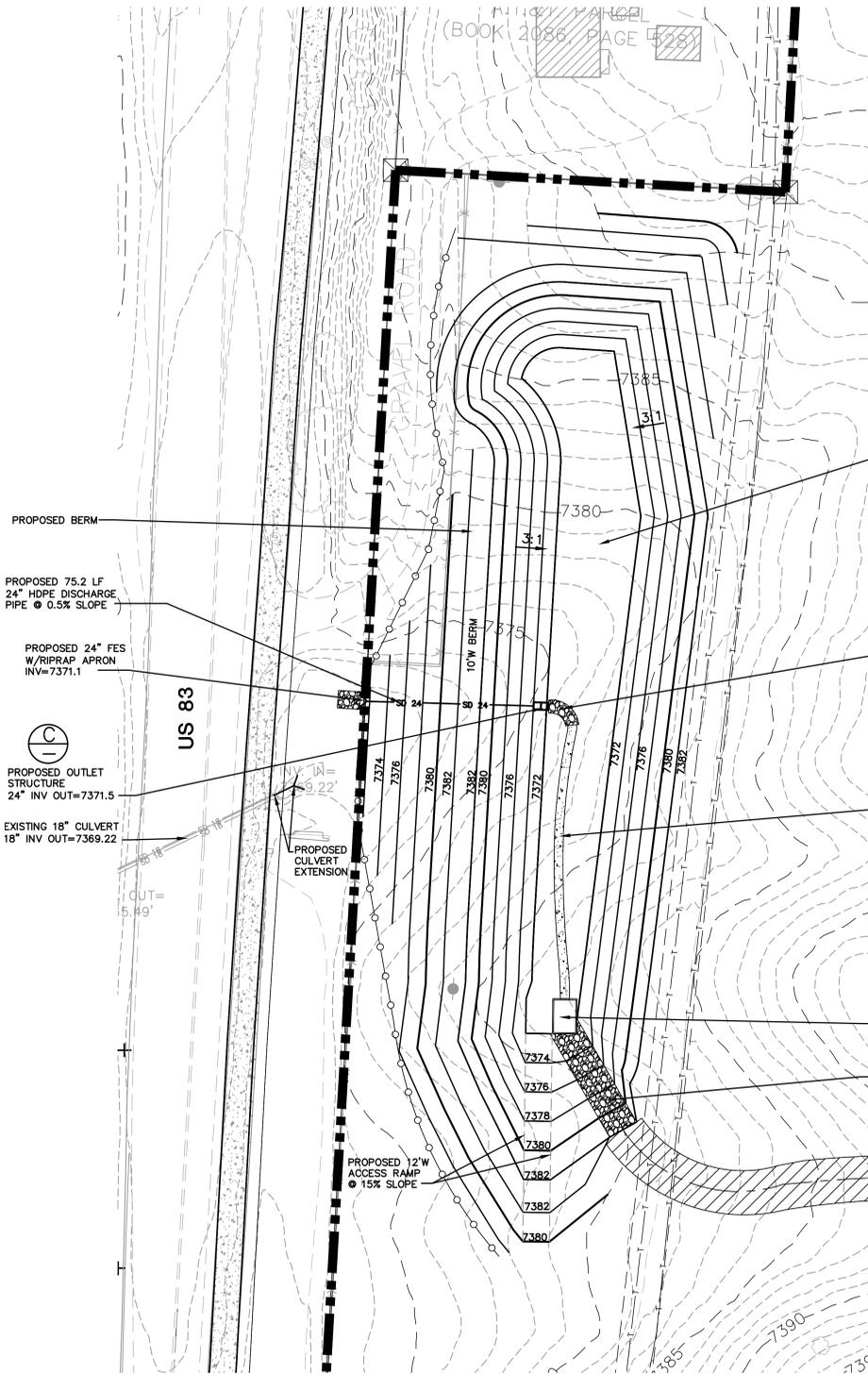
SOUTH SITE GRADING & EROSION CONTROL PLAN

SCALE: 1"=50'

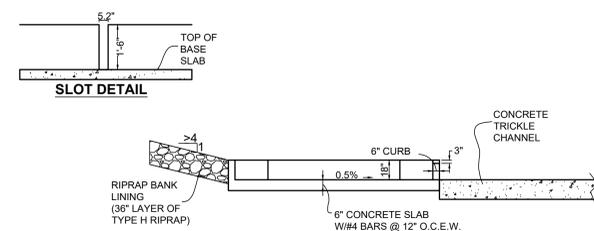
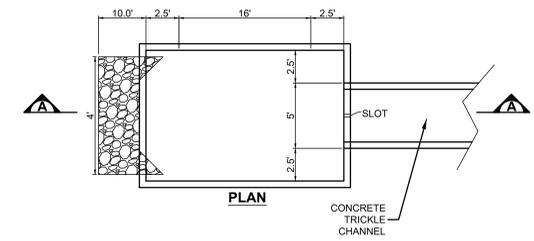
NORTH	DATE:	12/20/18
	DRAWN BY:	BJJ
CHECKED BY:	JPS	
REVISED:	2/08/19	

MONUMENT ACADEMY MIDDLE/HIGH SCHOOL

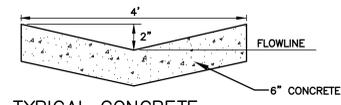
DEVELOPMENT PLAN



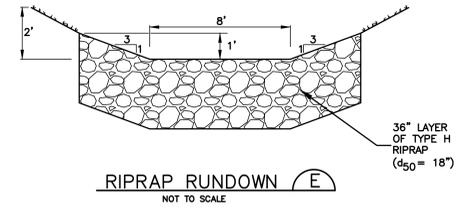
ENLARGED DETENTION POND PLAN M3
SCALE: 1"=30'



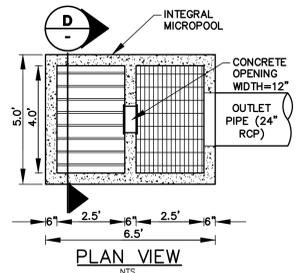
INTEGRAL FOREBAY DETAIL A
NOT TO SCALE



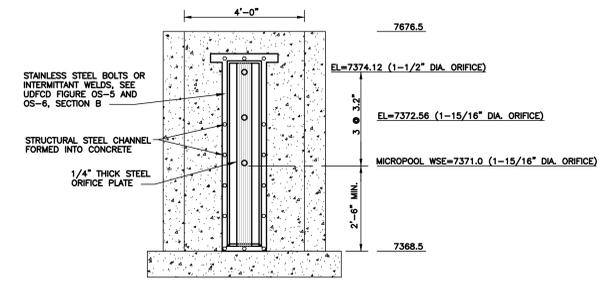
TYPICAL CONCRETE TRICKLE CHANNEL B
NOT TO SCALE



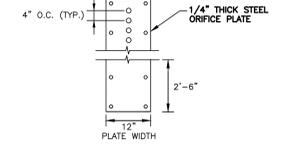
RIPRAP RUNDOWN E
NOT TO SCALE



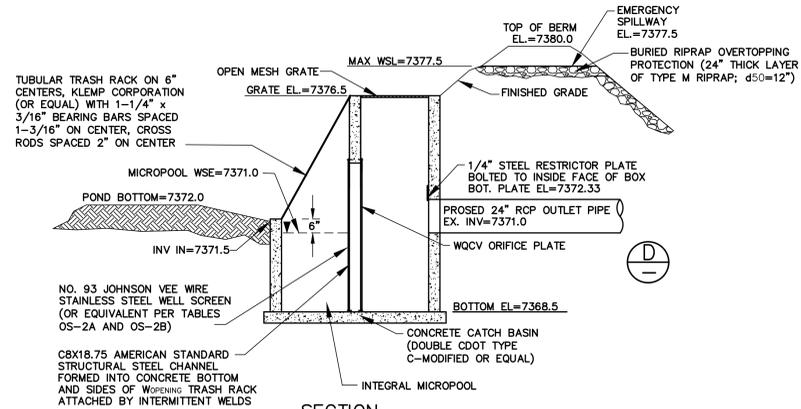
PLAN VIEW
NTS



ELEVATION



ORIFICE PATTERN

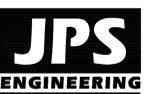


SECTION C
DETENTION POND OUTLET STRUCTURE
SCALE: NTS

ORIFICE PLATE NOTES:

1. MINIMIZE THE NUMBER OF COLUMNS.
 2. PROVIDE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
 3. BOLT PLATE TO CONCRETE 12" MAX. ON CENTER.
- EURV AND WQCV TRASH RACKS:**
1. WELL-SCREEN TRASH RACKS (FOR CIRCULAR ORIFICES) SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
 2. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.
- OVERFLOW TRASH RACKS:**
1. ALL TRASH RACKS SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND PROVIDED WITH HINGED AND LOCKABLE OR BOLTABLE ACCESS PANELS.
 2. TRASH RACKS SHALL BE STAINLESS STEEL, ALUMINUM, OR STEEL. STEEL TRASH RACKS SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
 3. TRASH RACKS SHALL BE DESIGNED SUCH THAT THE DIAGONAL DIMENSION OF EACH OPENING IS SMALLER THAN THE DIAMETER OF THE OUTLET PIPE.
 4. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.

TYPICAL WQCV ORIFICE PLATE DETAIL D
SCALE: NTS



19 E. Willamette Ave.
Colorado Springs, CO
80903

PH: 719-477-9429
FAX: 719-471-0766
www.jpsengr.com

OWNERSHIP OF INSTRUMENTS OF SERVICE:
ALL REPORTS, PLANS, SPECIFICATIONS, COMPUTER FILES, FIELD DATA, NOTES AND OTHER DOCUMENTS AND INSTRUMENTS PREPARED BY DESIGN PROFESSIONAL AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF THE DESIGN PROFESSIONAL. THE DESIGN PROFESSIONAL SHALL RETAIN ALL COMMON LAW STATUTORY AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREON.

CRP ARCHITECTS AIA
100 E. St. Vrain, Suite 300
Colorado Springs, Colorado 80903

DETENTION POND M3 PLAN & DETAILS

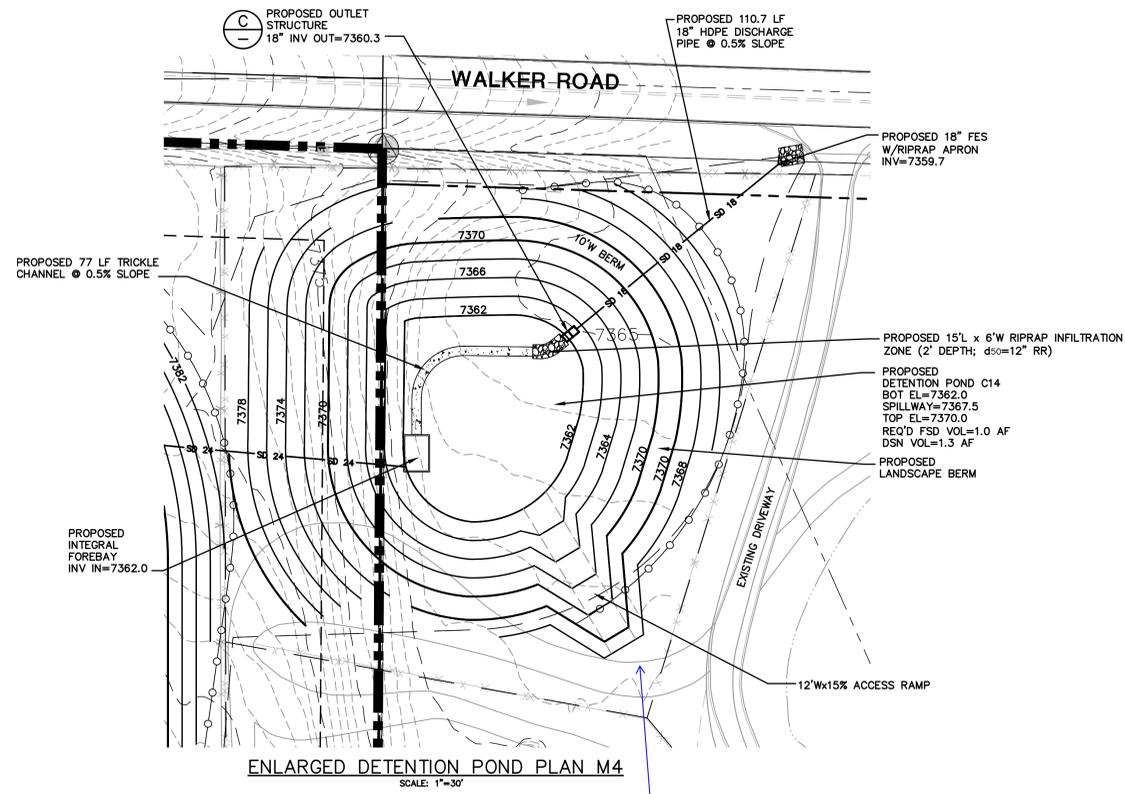
SCALE: AS SHOWN

NORTH 	DATE:	12/20/18
	DRAWN BY:	BJJ
	CHECKED BY:	JPS
	REVISED:	2/08/19

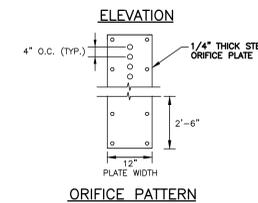
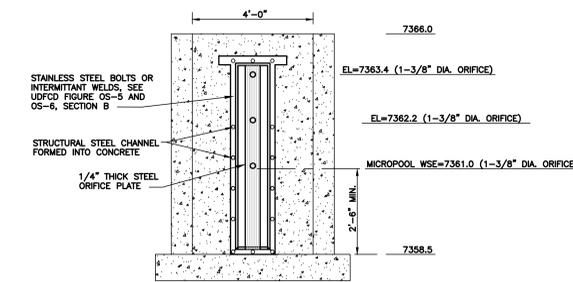
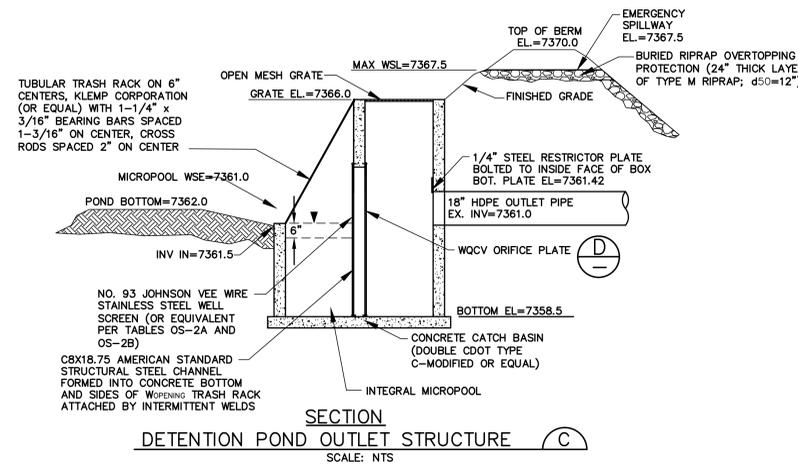
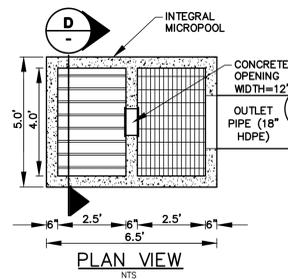
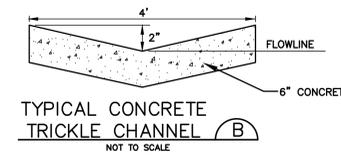
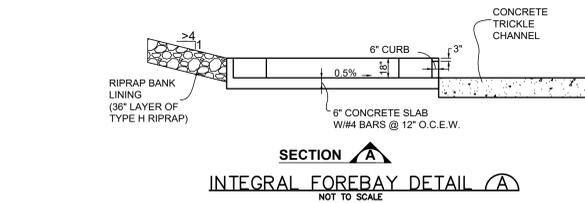
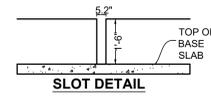
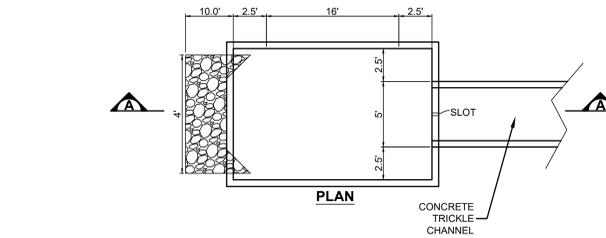
NO.	REVISION	BY	DATE
1	SDP SUBMITTAL	JPS	2/08/19

MONUMENT ACADEMY MIDDLE/HIGH SCHOOL

DEVELOPMENT PLAN



Show and label complete maintenance access road and all easements.



ORIFICE PLATE NOTES:

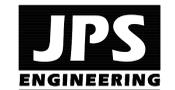
1. MINIMIZE THE NUMBER OF COLUMNS.
2. PROVIDE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
3. BOLT PLATE TO CONCRETE 12" MAX. ON CENTER.

EURV AND WQCV TRASH RACKS:

1. WELL-SCREEN TRASH RACKS (FOR CIRCULAR ORIFICES) SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
2. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.

OVERFLOW TRASH RACKS:

1. ALL TRASH RACKS SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND PROVIDED WITH HINGED AND LOCKABLE OR BOLTABLE ACCESS PANELS.
2. TRASH RACKS SHALL BE STAINLESS STEEL, ALUMINUM, OR STEEL. STEEL TRASH RACKS SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
3. TRASH RACKS SHALL BE DESIGNED SUCH THAT THE DIAGONAL DIMENSION OF EACH OPENING IS SMALLER THAN THE DIAMETER OF THE OUTLET PIPE.
4. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.



19 E. Willamette Ave.
Colorado Springs, CO
80903

PH: 719-477-9429
FAX: 719-471-0766
www.jpsegr.com

OWNERSHIP OF INSTRUMENTS OF SERVICE:
ALL REPORTS, PLANS, SPECIFICATIONS, COMPUTER FILES, FIELD DATA, NOTES AND OTHER DOCUMENTS AND INSTRUMENTS PREPARED BY DESIGN PROFESSIONALS AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF THE DESIGN PROFESSIONAL. THE DESIGN PROFESSIONAL SHALL RETAIN ALL COMMON LAW STATUTORY AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREON.

CRP ARCHITECTS AIA
100 E. St. Vrain, Suite 300
Colorado Springs, Colorado 80903

DETENTION POND C14 PLAN & DETAILS

SCALE: AS SHOWN

NORTH	DATE:	12/20/18
	DRAWN BY:	BJJ
	CHECKED BY:	JPS
	REVISED:	2/08/19

NO.	REVISION	BY	DATE
1			
2			

