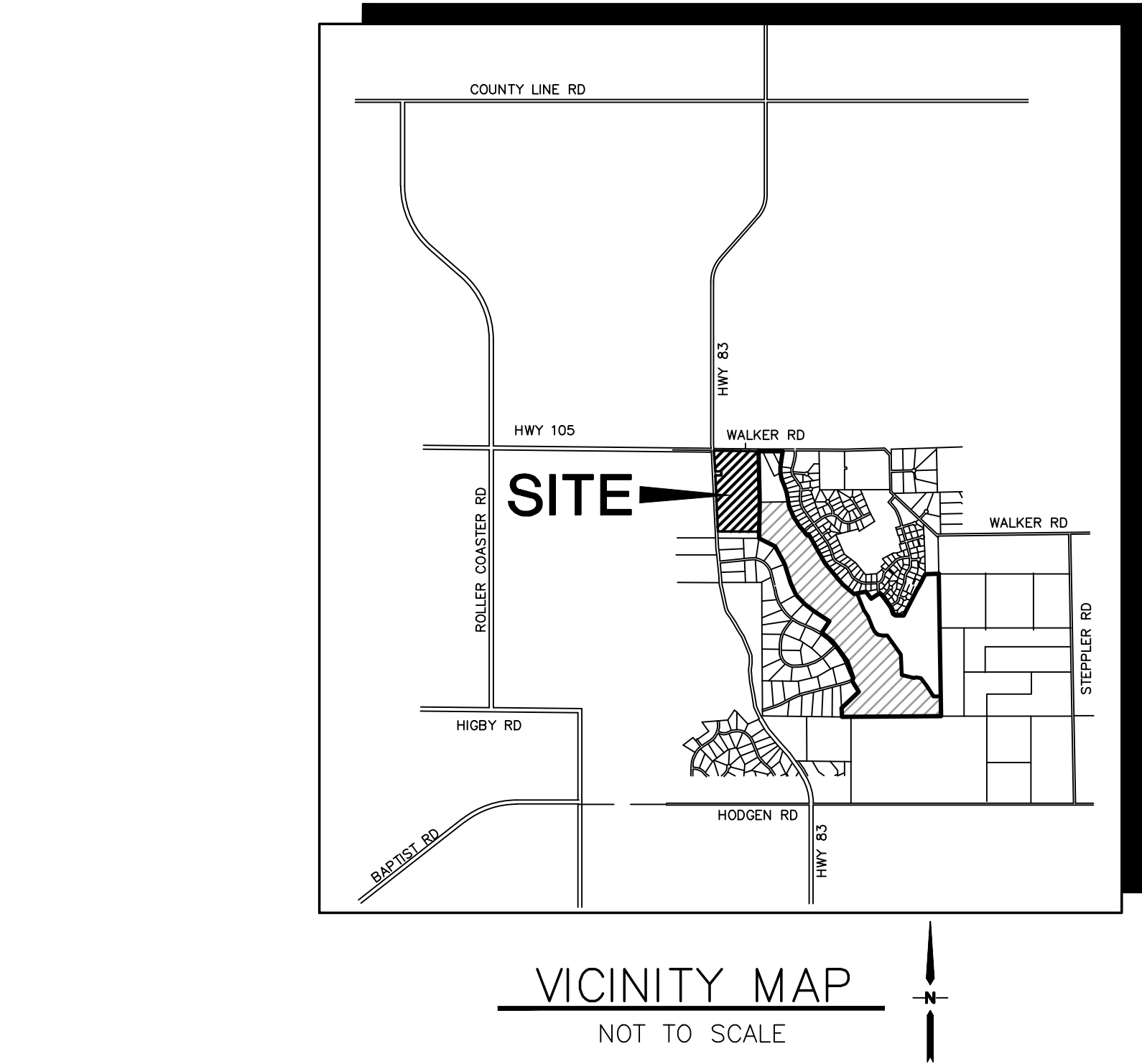


Z:\040201.walden\dwg\civil\WALDEN PRESERVE 2\MONUMENT ACADEMY\C10.dwg May 01, 2019 -- 4:08pm



COUNTY GENERAL CONSTRUCTION NOTES:

1. ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD LOCATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).
3. CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES, INCLUDING THE FOLLOWING:
- A. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
 - B. CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
 - C. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
 - D. CDOT M & S STANDARDS
4. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
5. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
6. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY DEVELOPMENT SERVICES DEPARTMENT (DSD) - INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL BUILDING FLOODPLAIN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS-ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.
8. CONTRACTOR SHALL NOT DEViate FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND DSD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP WITH CLASS B BEDDING UNLESS OTHERWISE NOTED AND APPROVED BY DSD.
10. CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY DSD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
11. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
12. SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.
13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DOT AND MUTCD CRITERIA.
14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
15. THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

PROJECT GENERAL NOTES:

1. STATIONING IS AT CENTERLINE UNLESS OTHERWISE NOTED. ALL ELEVATIONS ARE AT EDGE OF ASPHALT (EOA) UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE FROM EDGE OF ASPHALT TO EDGE OF ASPHALT UNLESS OTHERWISE NOTED.
2. PROPOSED CONTOURS SHOWN ARE TO FINISHED GRADE.
3. LENGTHS SHOWN FOR STORM SEWER PIPES ARE TO CENTER OF MANHOLE.
4. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING STRUCTURES, DEBRIS, WASTE AND OTHER UNSUITABLE FILL MATERIAL FOUND WITHIN THE LIMITS OF EXCAVATION.
5. MATCH INTO EXISTING GRADES AT 3:1 MAX CUT AND FILL SLOPES.
6. REVEGETATION OF ALL DISTURBED AREAS SHALL BE DONE WITH SPECIFIED SEED MIX WITHIN 60 DAYS AFTER FINE GRADING IS COMPLETE.
7. EROSION CONTROL SHALL CONSIST OF SILT FENCE AND OTHER BMP'S AS SHOWN ON THE DRAWING, AND TOPSOIL WITH GRASS SEED, WHICH WILL BE WATERED UNTIL VEGETATION HAS BEEN REESTABLISHED.
8. THE EROSION CONTROL MEASURES OUTLINED ON THIS PLAN ARE THE RESPONSIBILITY OF THE DEVELOPER TO MONITOR AND REPLACE, REGRADE, AND REBUILD AS NECESSARY UNTIL VEGETATION IS REESTABLISHED.
9. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED IN A MANNER THAT WILL PROTECT ADJACENT PROPERTIES AND PUBLIC FACILITIES FROM THE ADVERSE EFFECTS OF EROSION AND SEDIMENTATION AS A RESULT OF CONSTRUCTION AND EARTHWORK ACTIVITIES WITHIN THE PROJECT SITE.
10. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS DETERMINED BY SITE CONDITIONS.
11. THE CONTRACTOR WILL TAKE THE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES FROM DAMAGE DUE TO THIS OPERATION. ANY DAMAGE TO THE UTILITIES WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, AND ANY SERVICE DISRUPTION WILL BE SETTLED BY THE CONTRACTOR.
12. ALL BACKFILL, SUB-BASE, AND/OR BASE COURSE MATERIAL SHALL BE COMPACTED PER EL PASO COUNTY SPECIFICATIONS AND PROJECT GEOTECHNICAL REPORT.
13. ALL FINISHED GRADES SHALL HAVE A MINIMUM 1.0% SLOPE TO PROVIDE POSITIVE DRAINAGE.
14. IN CASE OF CONFLICT BETWEEN PROPOSED SLOPES AND PROPOSED SPOT ELEVATIONS, SPOT ELEVATIONS SHALL GOVERN.
15. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO BEGINNING WORK.

GENERAL DRAINAGE NOTES:

1. INDIVIDUAL BUILDERS SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURES AND ACCOUNT FOR POTENTIAL CROSS-LOT DRAINAGE IMPACTS WITHIN EACH LOT.
2. BUILDERS AND PROPERTY OWNERS SHALL IMPLEMENT & MAINTAIN EROSION CONTROL BEST MANAGEMENT PRACTICES FOR PROTECTION OF DOWNSTREAM PROPERTIES AND FACILITIES INCLUDING PROTECTION OF EXISTING GRASS BUFFER STRIPS ALONG THE DOWNSTREAM PROPERTY BOUNDARIES.
3. GRADING AND DRAINAGE WITHIN LOTS IS THE RESPONSIBILITY OF THE INDIVIDUAL BUILDERS AND PROPERTY OWNERS.

NO.	REVISION	BY	DATE
1	FOR PERMIT	JPS	4/01/19
2	COUNTY COMMENTS	JPS	4/29/19

MONUMENT ACADEMY

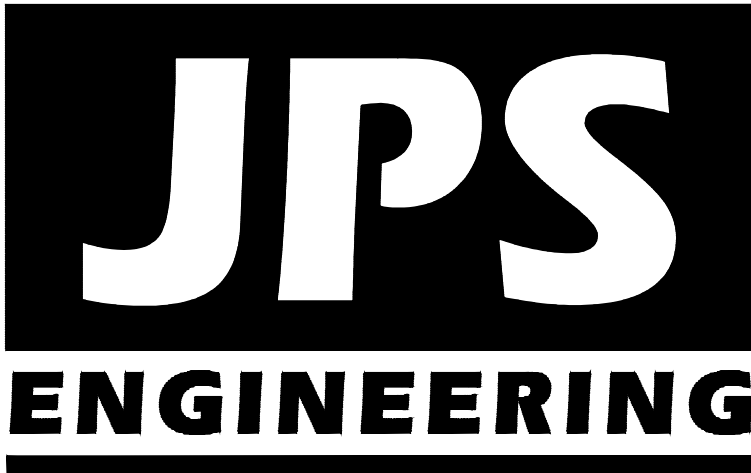
Grading & Erosion Control Plans

El Paso County, Colorado

PREPARED FOR:

Monument Academy
1150 Village Ridge Point
Monument, CO 80132

PREPARED BY:



PREPARED BY:

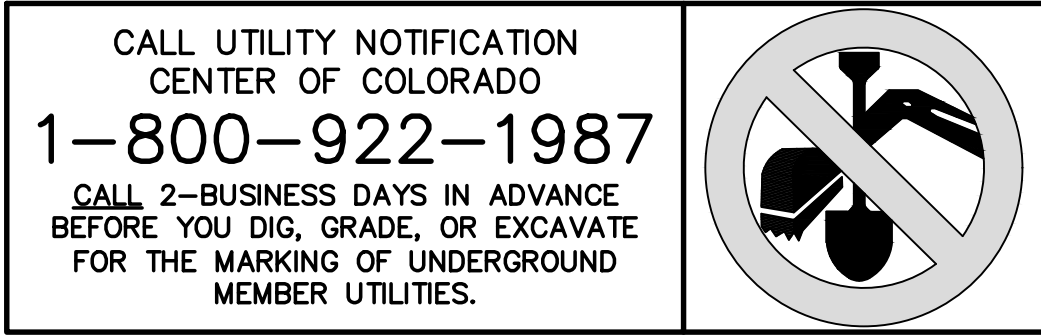
19 East Willamette Avenue
Colorado Springs, Colorado 80903
APRIL, 2019

GEC SHEET INDEX

C1.0	GEC PLAN TITLE SHEET
C2.0	SITE GRADING & EROSION CONTROL PLAN
C2.1	NORTH SITE GRADING & EROSION CONTROL PLAN
C2.2	SOUTH SITE GRADING & EROSION CONTROL PLAN
C2.3	SOUTH WATER LINE GRADING & EROSION CONTROL PLAN
C3.1	DETENTION POND M3 PLAN & DETAILS
C3.2	DETENTION POND C14 PLAN & DETAILS
C3.3	WATER QUALITY POND DETAILS
C4.1	SITE GRADING & EROSION CONTROL NOTES & DETAILS
C4.2	CIVIL DETAILS
C5.1	ENLARGED GRADING PLAN - NORTH FIELD
C5.2	ENLARGED GRADING PLAN - NORTH PARKING LOT
C5.3	ENLARGED GRADING PLAN - BUILDING AREA
C5.4	ENLARGED GRADING PLAN - SOUTH PARKING LOT

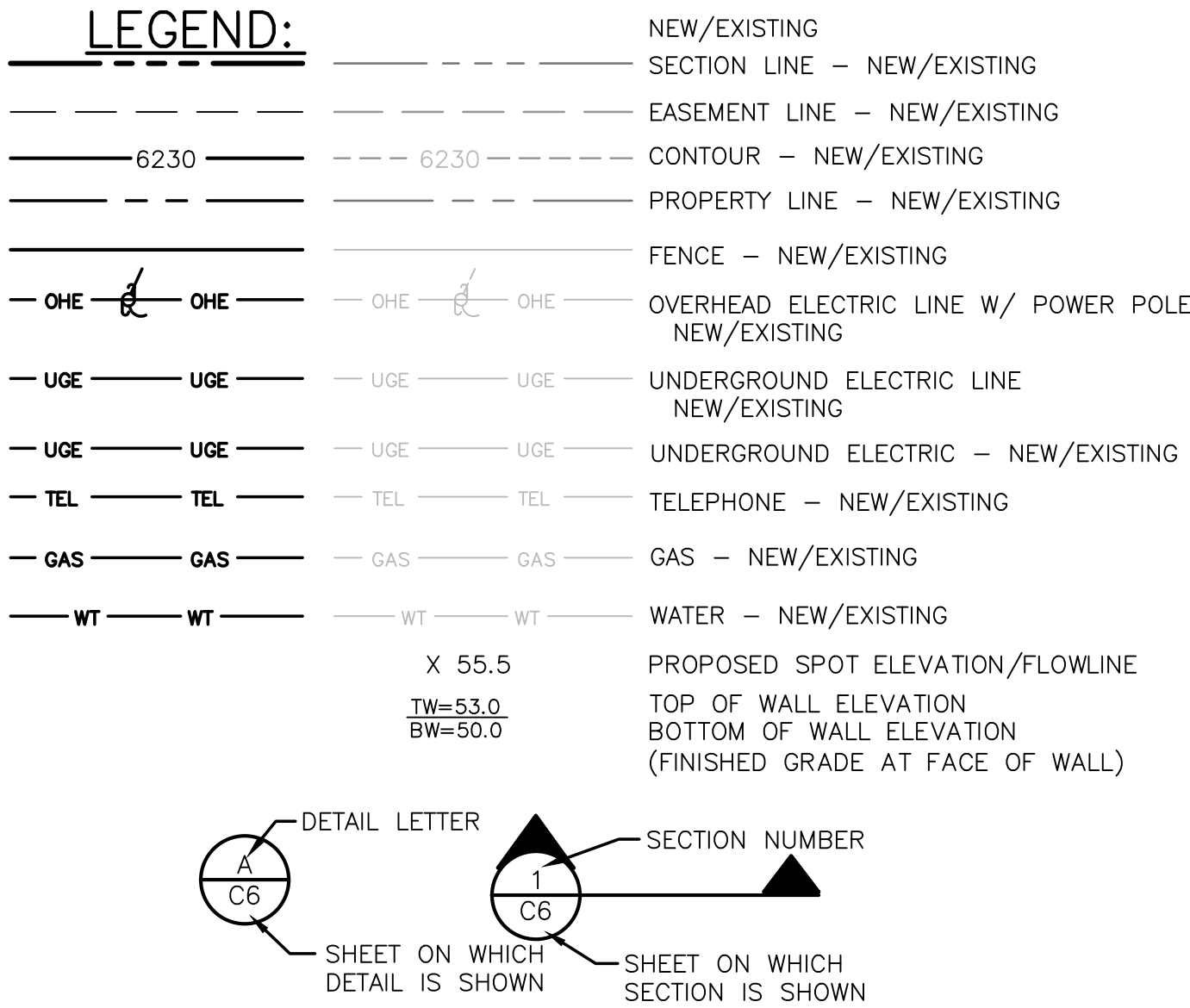
AGENCIES/CONTACTS

OWNER:	MONUMENT ACADEMY 1150 VILLAGE RIDGE PT MONUMENT, CO 80132 MR. DON GRIFFIN (719) 339-2410	CIVIL ENGINEER:	JPS ENGINEERING, INC. 19 E. WILLAMETTE AVENUE COLORADO SPRINGS, CO 80903 MR. JOHN P. SCHWAB, P.E. (719) 477-9429	WATER/WASTEWATER:	WALDEN CORPORATION PO BOX 1870 MONUMENT, CO 80132 MR. MATT DUNSTON (719) 339-2410
ARCHITECT:	CRP ARCHITECTS 100 E. ST. VRAIN ST., STE. 300 COLORADO SPRINGS, CO 80903 MR. BRIAN RISLEY (719) 633-5901	LOCAL ROADS & DRAINAGE:	EL PASO COUNTY PCD 2880 INTERNATIONAL CIRCLE COLORADO SPRINGS, CO 80910 (719) 520-6300	GAS DEPARTMENT:	BLACK HILLS ENERGY MR. SEBASTIAN SCHWENDER (719) 399-3176
OWNER'S REP:	1703 SAND LILY DRIVE GOLDEN, CO 80401 MR. KURT CONNOLLY (303) 526-7928	STATE HIGHWAY	COLORADO DEPARTMENT OF TRANSPORTATION REGION 2 5615 WILLS BLVD. PUEBLO, CO 81008 MS. VALERIE SWORD (719) 546-5407	ELECTRIC DEPARTMENT:	MOUNTAIN VIEW ELECTRIC ASSOCIATION 11140 E. WOODMEN ROAD COLORADO SPRINGS, CO 80908 MR. DAVE WALDNER (719) 495-2283
GENERAL CONTRACTOR:	JHL CONSTRUCTORS, INC. 7076 SOUTH ALTON WAY, BLDG. H CENTENNIAL, CO 80112 MR. WILL VALKNER (303) 741-6116	FIRE DISTRICT	TRI-LAKES MONUMENT FIRE PROTECTION DISTRICT 16055 OLD FOREST POINT, STE. 1003 MONUMENT, CO 8032 MR. JAMEY BUMGARDNER, FIRE MARSHAL (719) 484-0911	TELEPHONE COMPANY:	CENTURY LINK COMMUNICATIONS (LOCATORS) (800) 922-1987 A.T. & T. (LOCATORS) (719) 635-3674



MONUMENT
ACADEMY
HIGH SCHOOL

FOR CONSTRUCTION



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

BASIS OF BEARING:
COMMENCING AT THE SOUTHEAST CORNER OF SAID E1/2 NW1/4, SAID POINT ALSO BEING THE SOUTHWEST CORNER OF THE NORTHEAST ONE-QUARTER (NE1/4) OF SAID SECTION 15, AS MONUMENTED BY A 1/2" REBAR (NO CAP), FROM WHICH THE SOUTHWEST CORNER OF THE NORTHWEST ONE-QUARTER (NW1/4) OF SAID SECTION 15, AS MONUMENTED BY A REBAR AND 3-1/4" ALUMINUM CAP STAMPED "BERGE-BREWER LS 9646" BEARS N88°08'01"W, A DISTANCE OF 2636.22 FEET AND IS THE BASIS OF BEARINGS USED HEREIN.

ENGINEER:

DESIGN ENGINEER'S STATEMENT:

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR LIABILITY CAUSED BY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

JOHN P. SCHWAB, P.E. #29891

DATE

OWNER/DEVELOPER'S STATEMENT:

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

DATE

MONUMENT ACADEMY
1150 VILLAGE RIDGE POINT
MONUMENT, CO 80132

EL PASO COUNTY:

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL, AND ENGINEERING CRITERIA MANUAL AS AMENDED.

JENNIFER IRVINE, P.E.,
COUNTY ENGINEER / ECM ADMINISTRATOR

DATE

PCD PROJECT NO. PPR-19-009

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

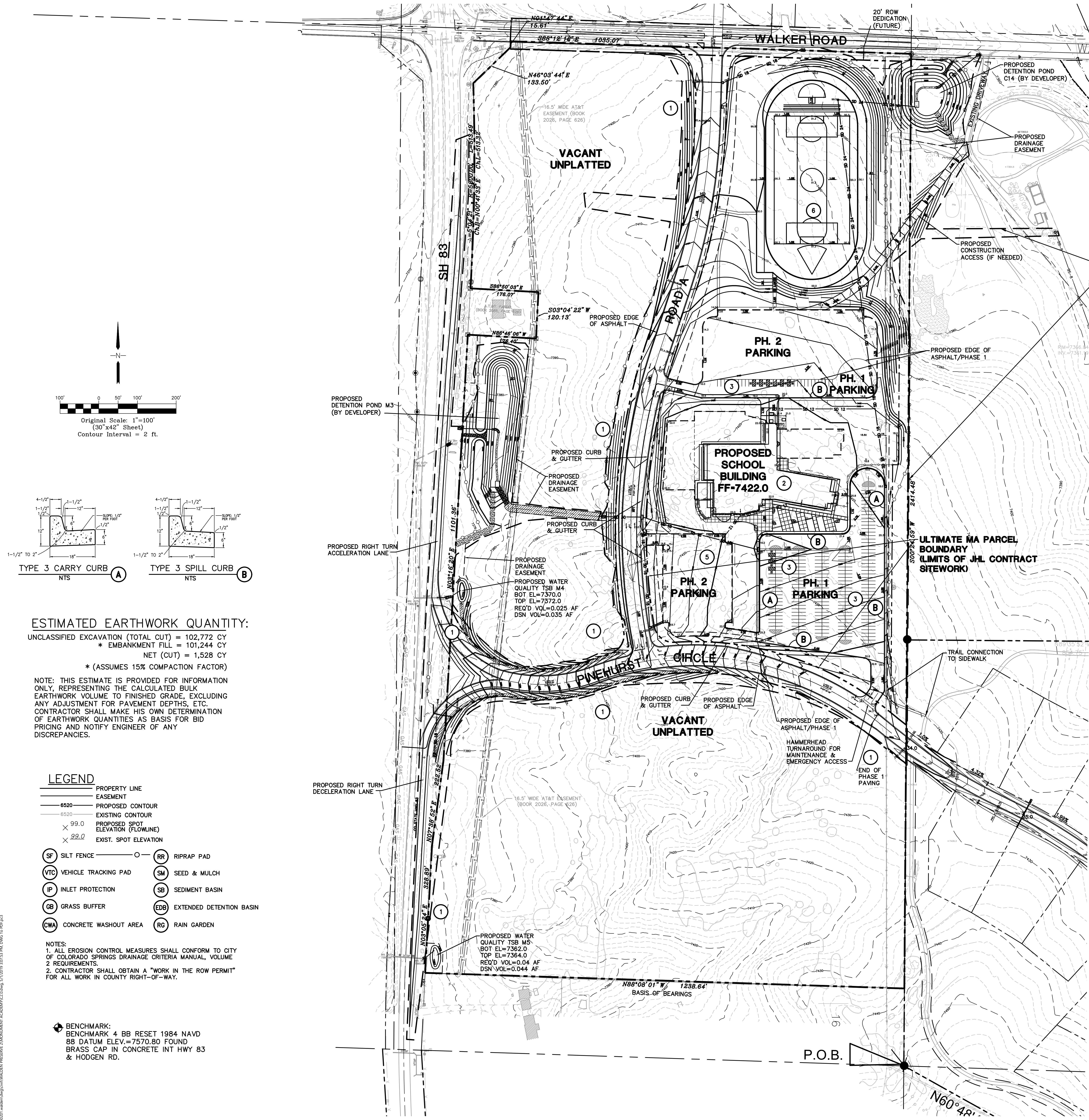
GEC PLAN TITLE SHEET

NORTH	DATE: 12/21/18
	DRAWN BY: BJJ
	CHECKED BY: JPS
	REVISED: 4/29/19

C1.0

MONUMENT
ACADEMY
HIGH SCHOOL

FOR CONSTRUCTION



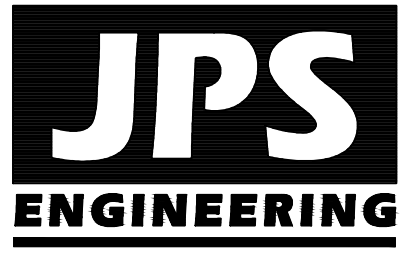
NOTE. PHASE 1 SITEWORK
INCLUDES ALL SITE
GRADING AND STORM
DRAINAGE FACILITIES

KEYED NOTES:

- 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.
- PREPARE AND COMPACT BUILDING FOUNDATION & SLABS PER PROJECT GEOTECHNICAL REPORT
- HEAVY DUTY PAVEMENT:
5" HBP OVER 5" ABC (REFER TO GEOTECH REPORT)
- LIGHT DUTY PAVEMENT:
4" HBP OVER 5" ABC (REFER TO GEOTECH REPORT)
- BUILDING MATERIAL STORAGE AREA
- TOPSOIL STOCKPILE AREA

NO.	REVISION	BY	DATE
1	FOR PERMIT	JPS	4/01/19
2	COUNTY COMMENTS	JPS	4/29/19

PCD PROJECT NO. PPR-19-009



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

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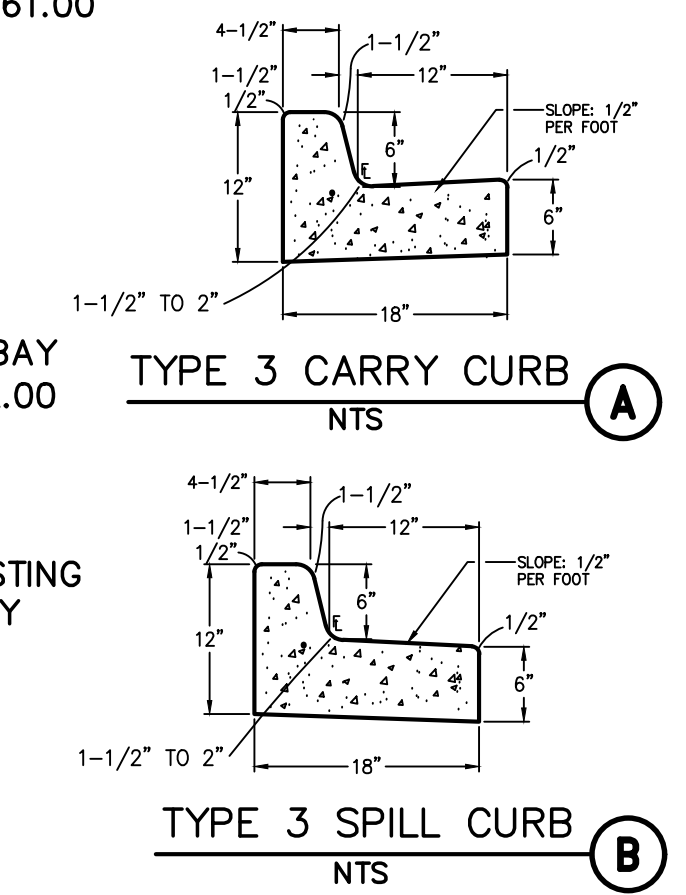
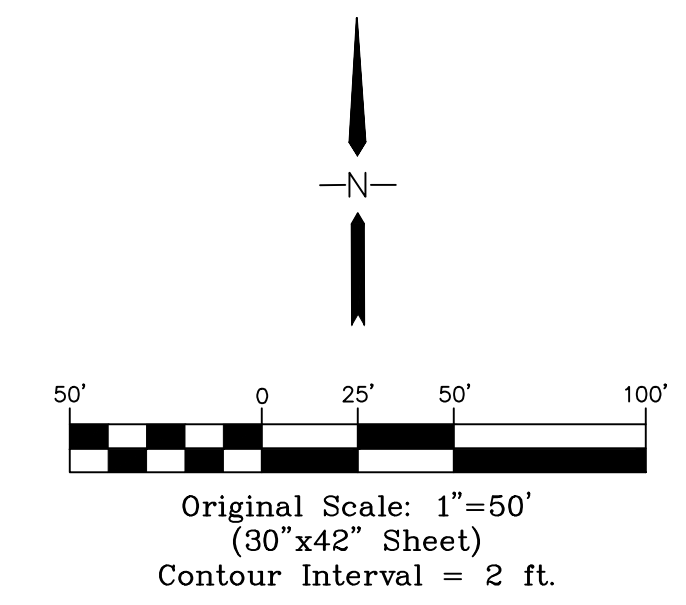
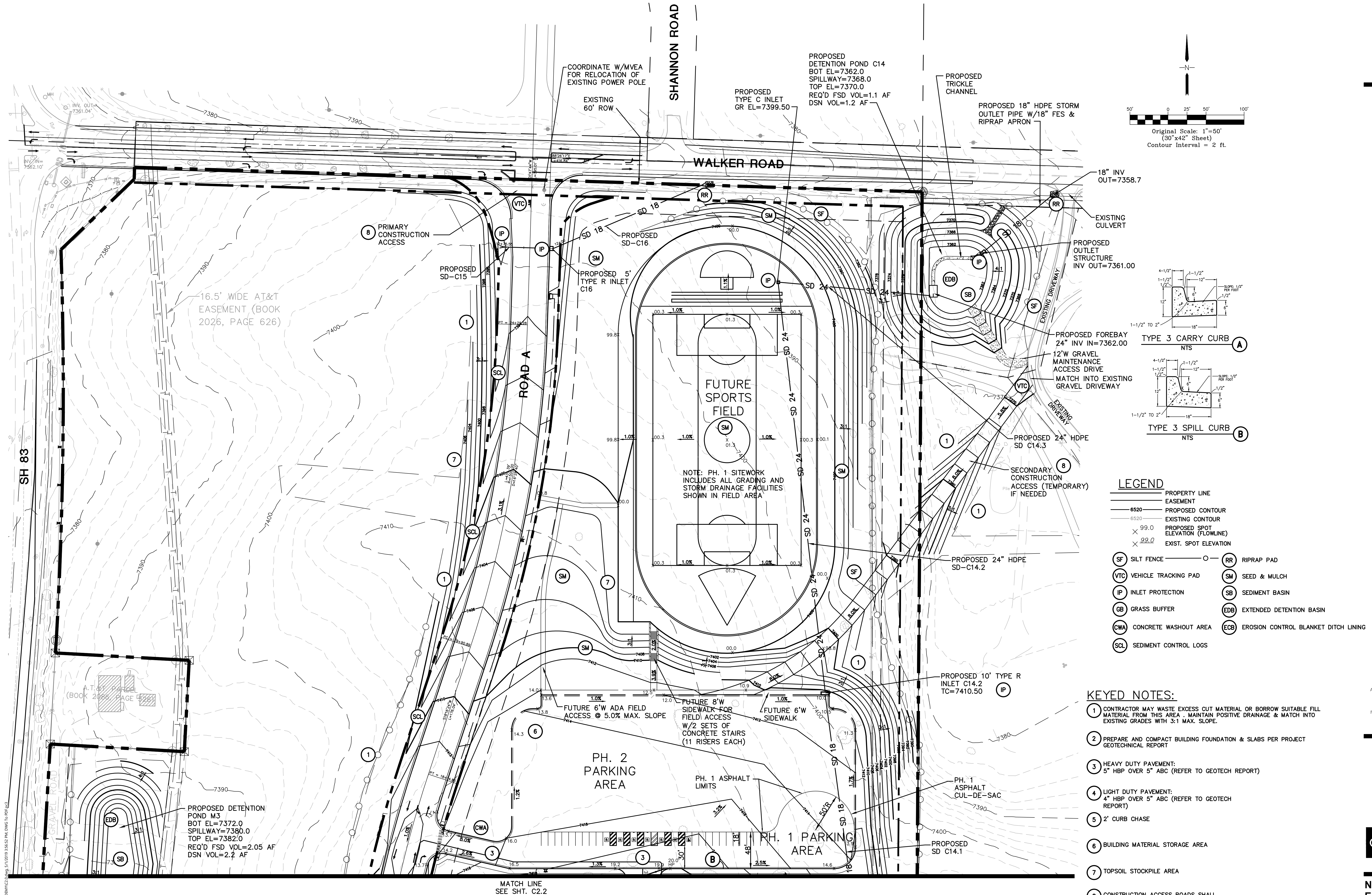
SITE GRADING & EROSION
CONTROL PLAN

SCALE : 1"=100'

	DATE:	12/20/18
	DRAWN BY:	BJJ
	CHECKED BY:	JPS
	REVISED:	4/29/19

MONUMENT
ACADEMY
HIGH SCHOOL

FOR CONSTRUCTION

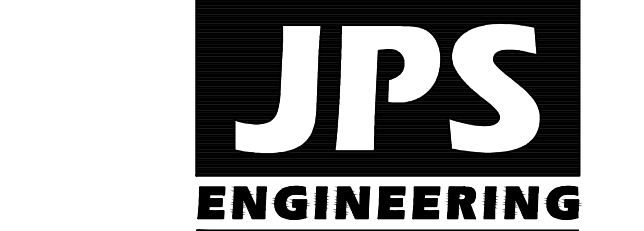


- LEGEND**
- PROPERTY LINE
 - EASEMENT
 - 6520 PROPOSED CONTOUR
 - 6520 EXISTING CONTOUR
 - 99.0 PROPOSED SPOT ELEVATION (FLOWLINE)
 - 99.0 EXIST. SPOT ELEVATION
 - SF SILT FENCE
 - VTC VEHICLE TRACKING PAD
 - IP INLET PROTECTION
 - GB GRASS BUFFER
 - CWA CONCRETE WASHOUT AREA
 - SCL SEDIMENT CONTROL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

- KEYED NOTES:**
- 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.
 - PREPARE AND COMPACT BUILDING FOUNDATION & SLABS PER PROJECT GEOTECHNICAL REPORT
 - HEAVY DUTY PAVEMENT:
5" HBP OVER 5" ABC (REFER TO GEOTECH REPORT)
 - LIGHT DUTY PAVEMENT:
4" HBP OVER 5" ABC (REFER TO GEOTECH REPORT)
 - 2' CURB CHASE
 - BUILDING MATERIAL STORAGE AREA
 - TOPSOIL STOCKPILE AREA
 - CONSTRUCTION ACCESS ROADS SHALL MEET TRI-LAKES MONUMENT FIRE PROTECTION DISTRICT CRITERIA (MIN. 20' WIDE COMPACTED GRAVEL)

NO.	REVISION	BY	DATE
1	FOR PERMIT	JPS	4/01/19
2	COUNTY COMMENTS	JPS	4/29/19

PCD PROJECT NO. PPR-19-009



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Colorado Springs, Colorado 80903

NORTH SITE GRADING &
EROSION CONTROL PLAN

SCALE : 1"=50'

	DATE:	12/20/18
	DRAWN BY:	BJJ
	CHECKED BY:	JPS
	REVISED:	4/29/19

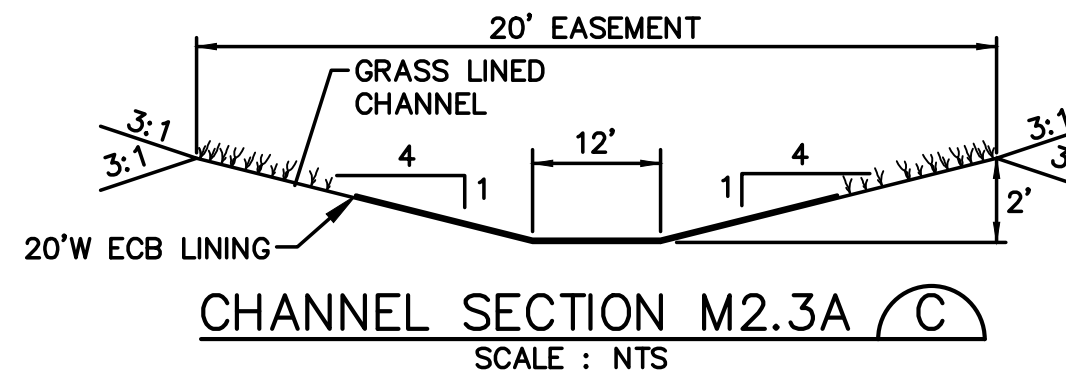
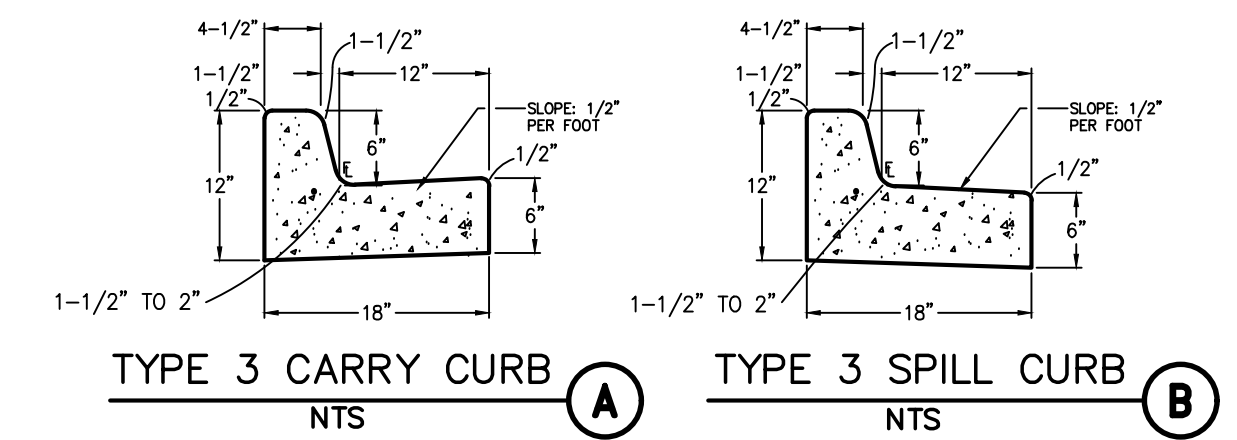
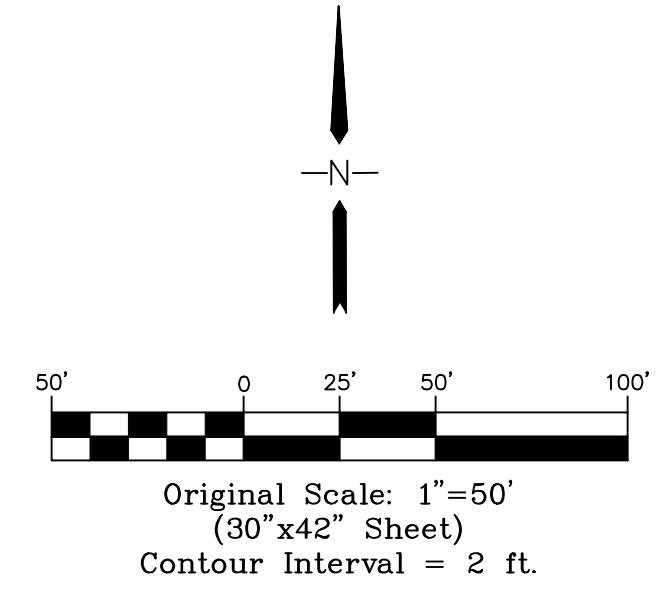
C2.1

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

MATCH LINE
SEE SHT. C2.1

MONUMENT ACADEMY HIGH SCHOOL

FOR CONSTRUCTION



LEGEND

- PROPERTY LINE
- EASEMENT
- PROPOSED CONTOUR
- EXISTING CONTOUR
- PROPOSED SPOT ELEVATION (FLOWLINE)
- 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)

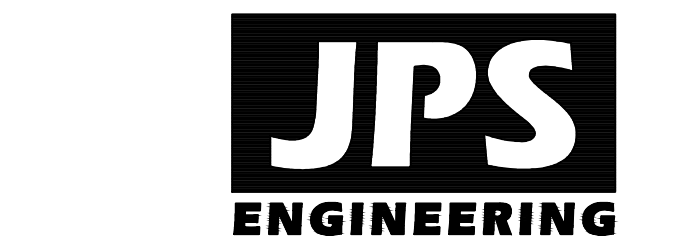
NOTE:
ALL EROSION CONTROL MEASURES SHALL CONFORM TO CITY OF COLORADO SPRINGS DRAINAGE CRITERIA MANUAL, VOLUME 2 REQUIREMENTS.

KEYED NOTES:

- 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.
- PREPARE AND COMPACT BUILDING FOUNDATION & SLABS PER PROJECT GEOTECHNICAL REPORT
- HEAVY DUTY PAVEMENT:
5" HBP OVER 5" ABC (REFER TO GEOTECH REPORT)
- LIGHT DUTY PAVEMENT:
4" HBP OVER 5" ABC (REFER TO GEOTECH REPORT)
- 2' CURB CHASE
- BUILDING MATERIAL STORAGE AREA
- TOPSOIL STOCKPILE AREA

NO.	REVISION	BY	DATE
1	FOR PERMIT	JPS	4/17/19
2	COUNTY COMMENTS	JPS	4/29/19

PCD PROJECT NO. PPR-19-009



19 E. Willamette Ave.
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80903

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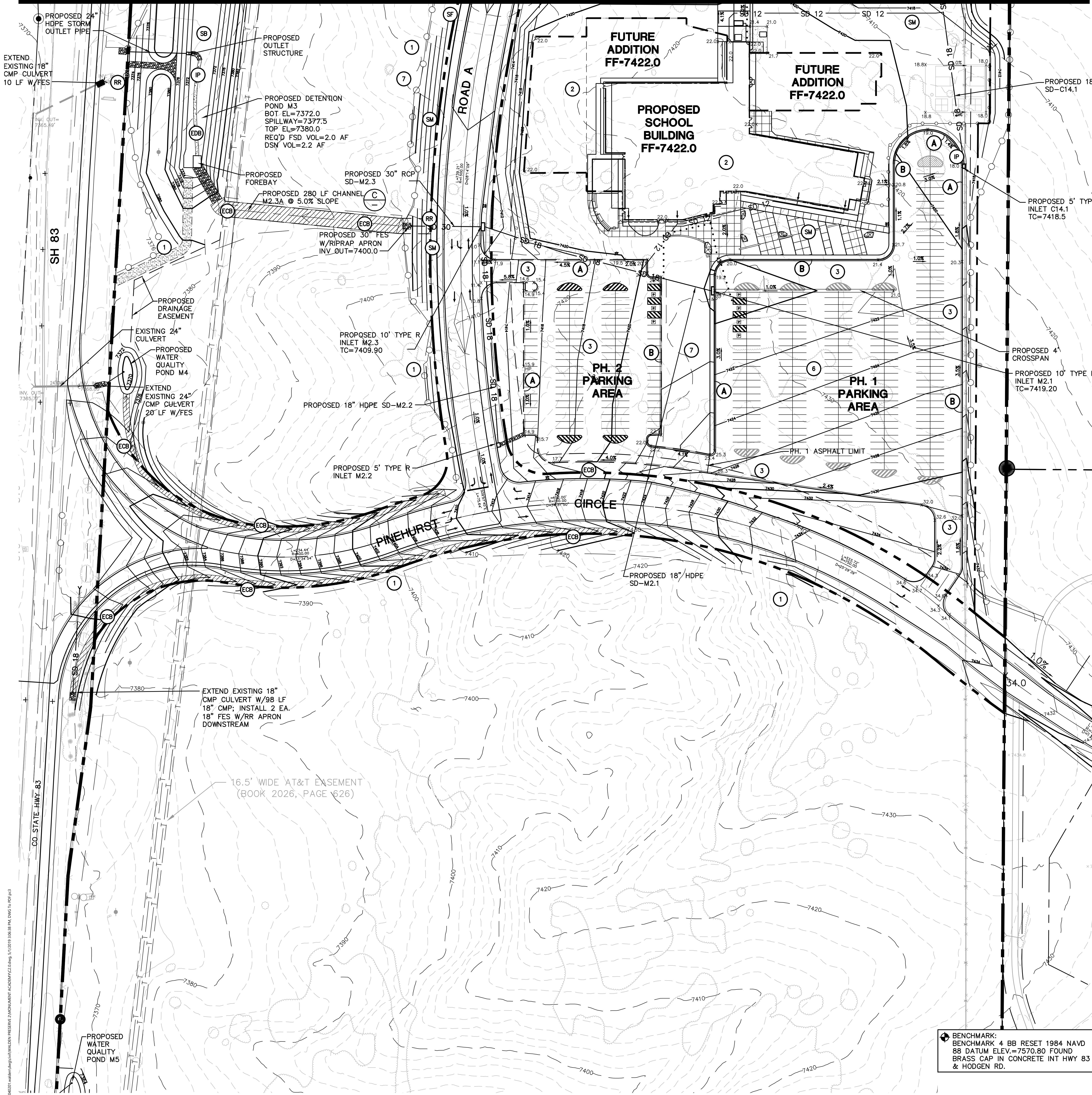
CRP ARCHITECTS AIA
100 E. St. Vrain, Suite 300
Colorado Springs, Colorado 80903

SOUTH SITE GRADING &
EROSION CONTROL PLAN

SCALE: 1"=50'

	DATE:	12/20/18
	DRAWN BY:	BJJ
	CHECKED BY:	JPS
	REVISED:	4/29/19

C2.2



FOR CONSTRUCTION



NORTH

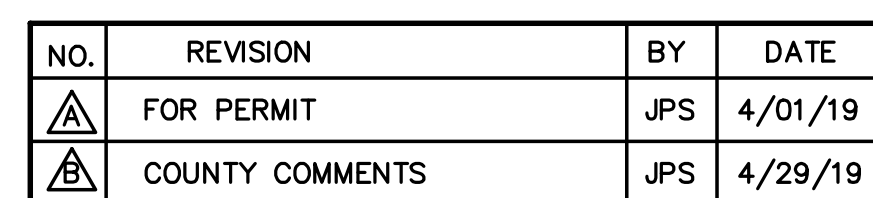
DATE: 4/23/19

DRAWN BY: BJJ

CHECKED BY: JPS

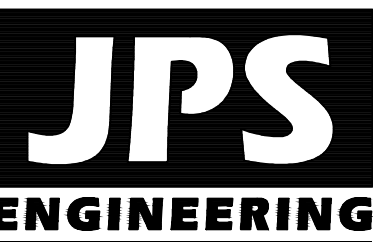
REVISED: 4/29/19

C2.3



MONUMENT
ACADEMY
HIGH SCHOOL

FOR CONSTRUCTION



19 E. Willamette Ave.
Colorado Springs, CO
80903

PH: 719-477-9429
FAX: 719-471-0766
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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

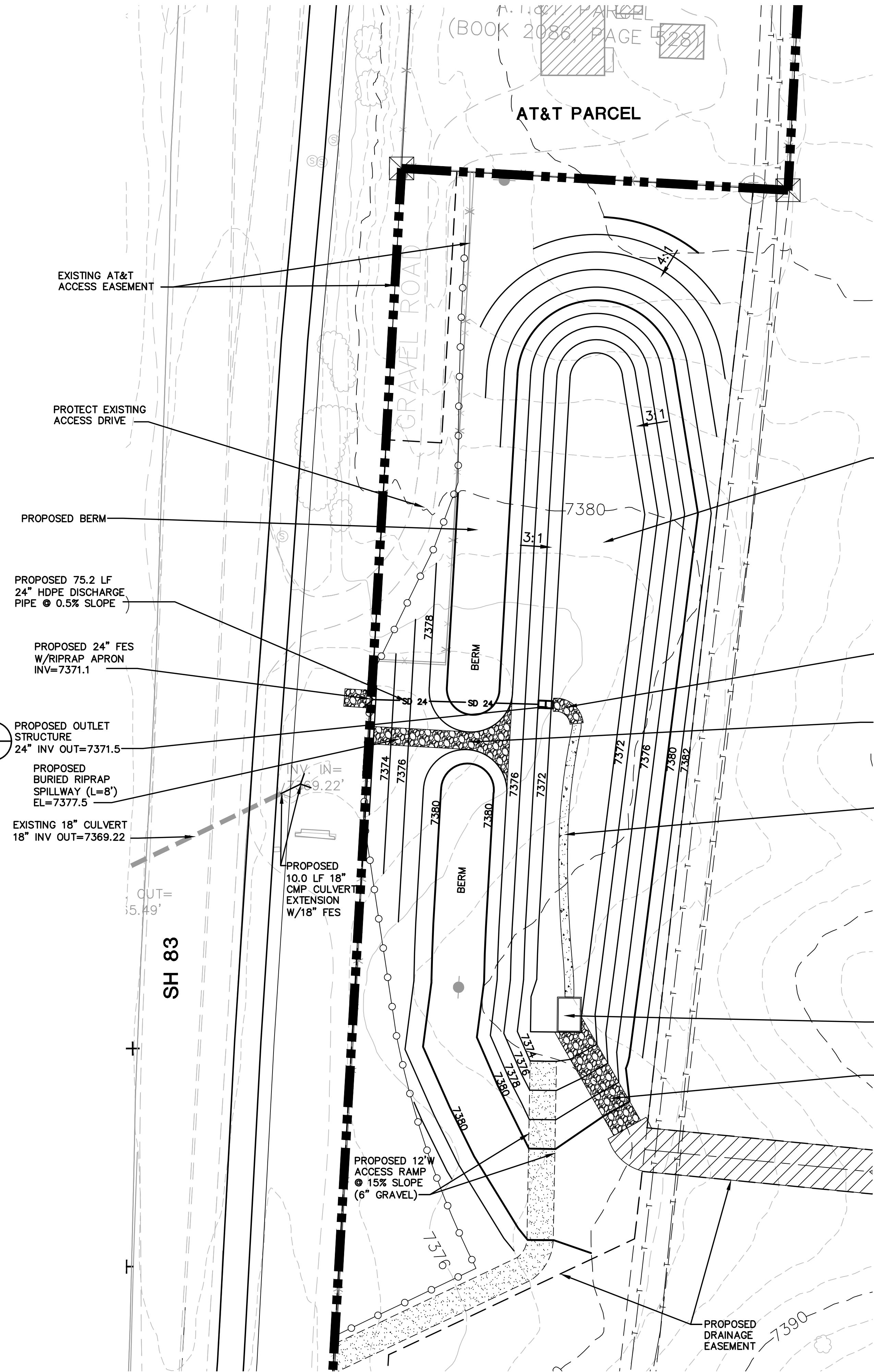
DETENTION POND M3
PLAN & DETAILS

SCALE : AS SHOWN

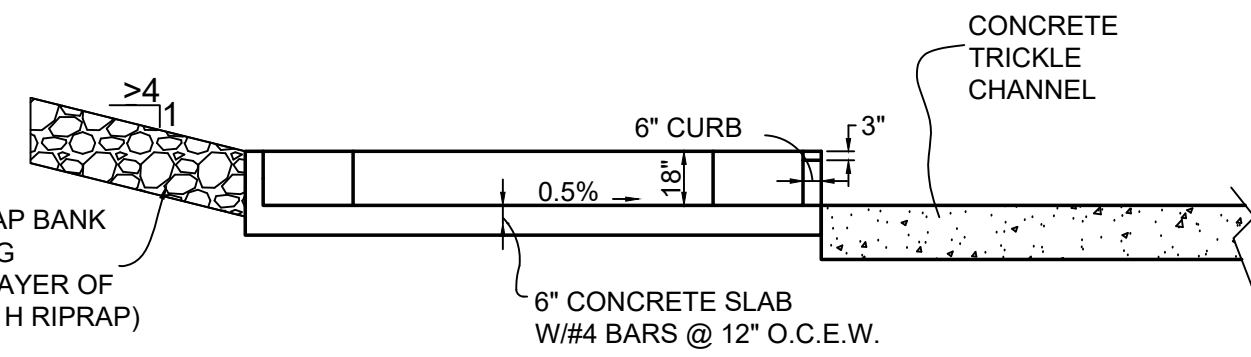
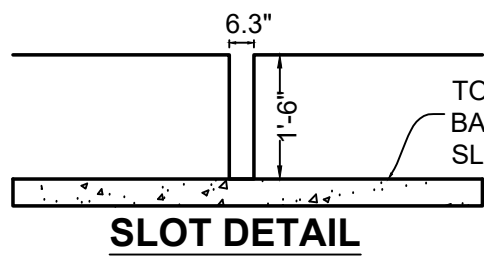
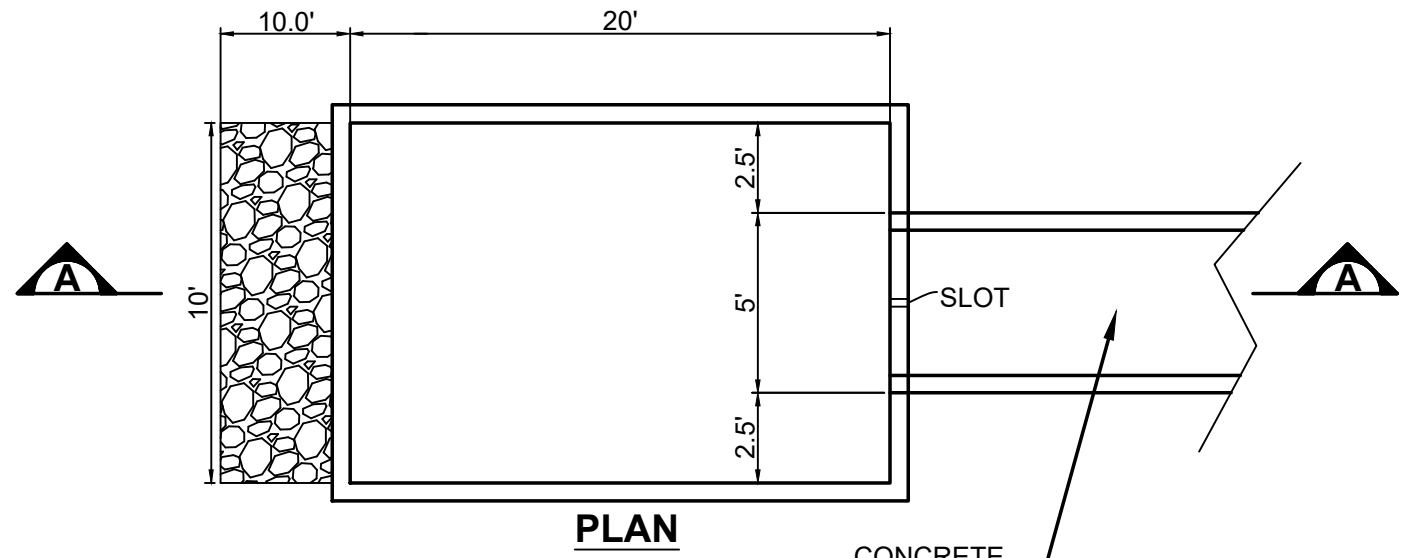
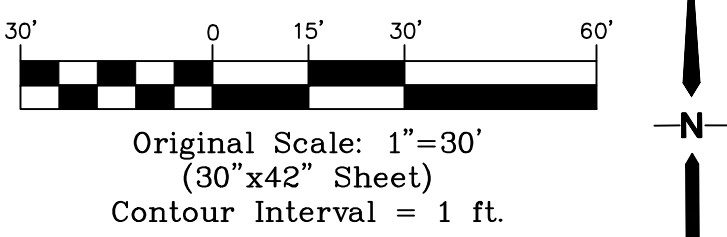
NORTH
DATE: 12/20/18
DRAWN BY: BJJ
CHECKED BY: JPS
REVISED: 4/29/19

PCD PROJECT NO. PPR-19-009

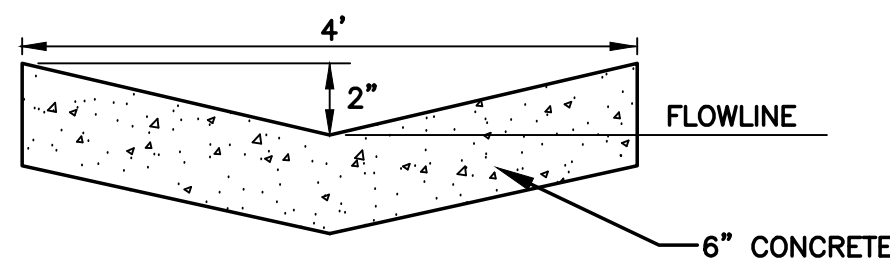
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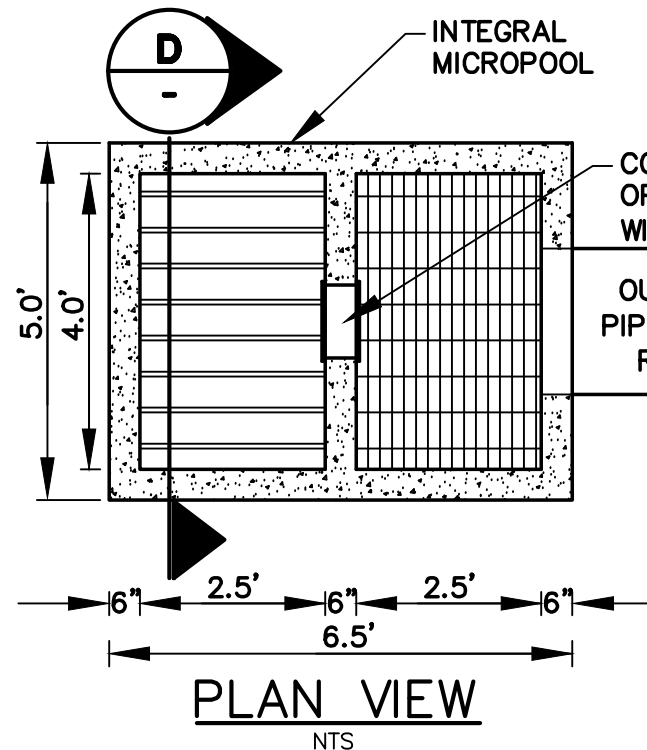
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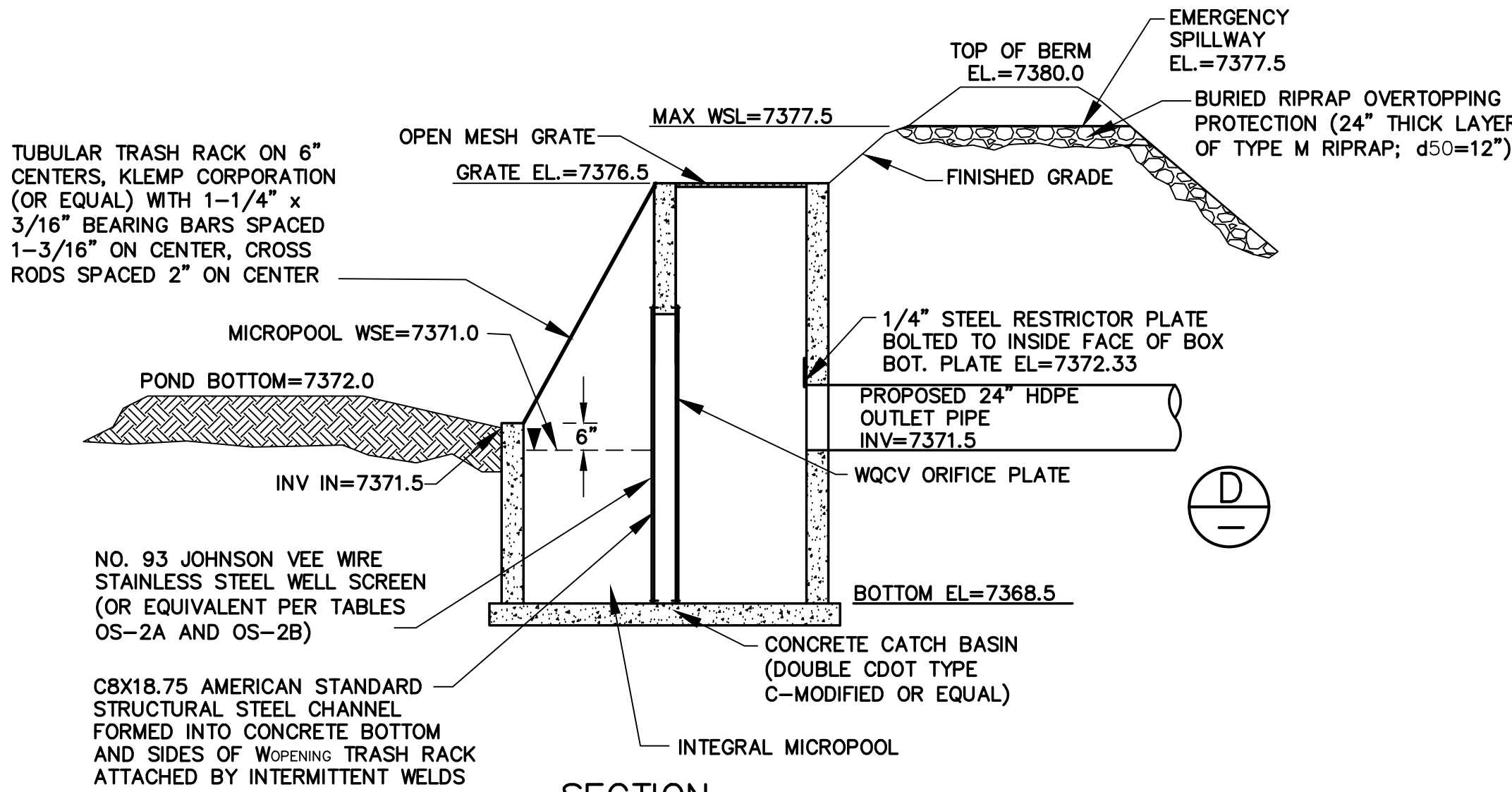
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NOT TO SCALE



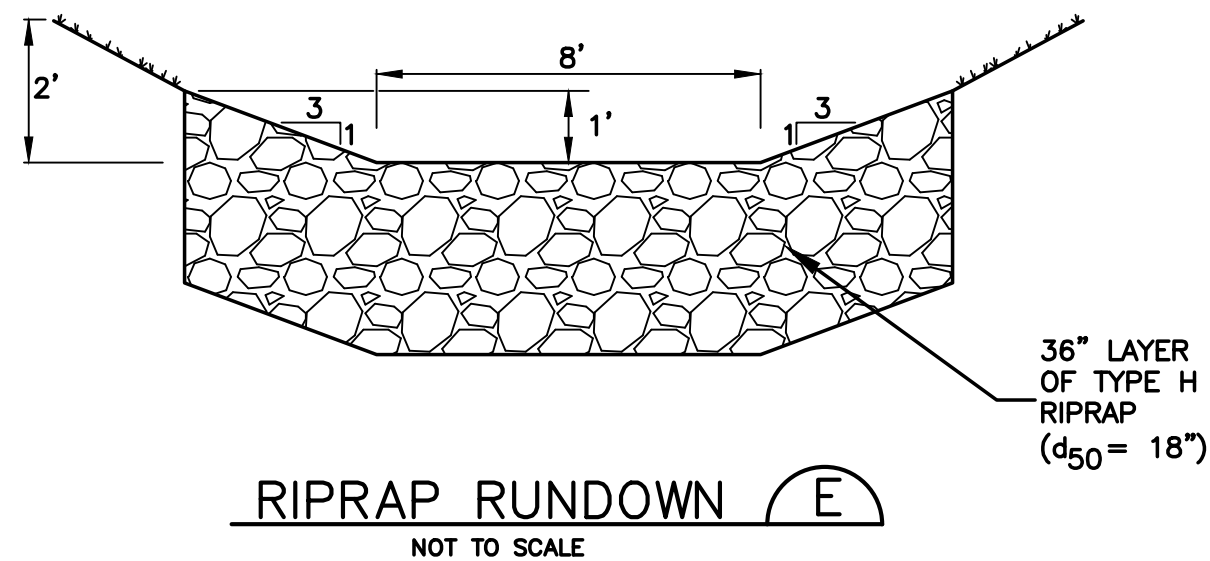
TYPICAL CONCRETE TRICKLE CHANNEL (B)
NOT TO SCALE



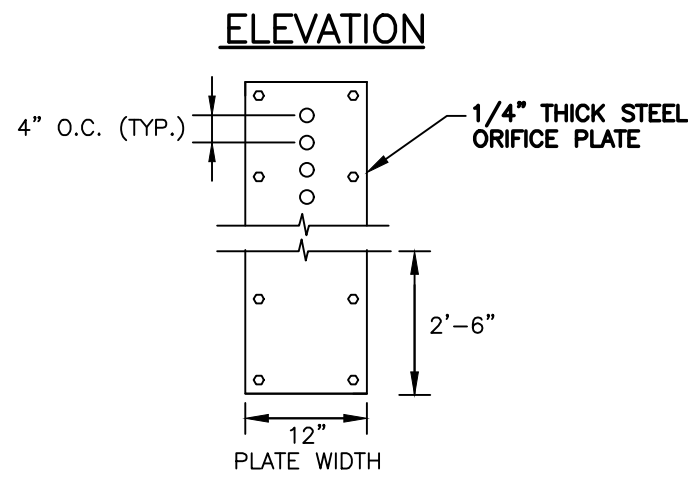
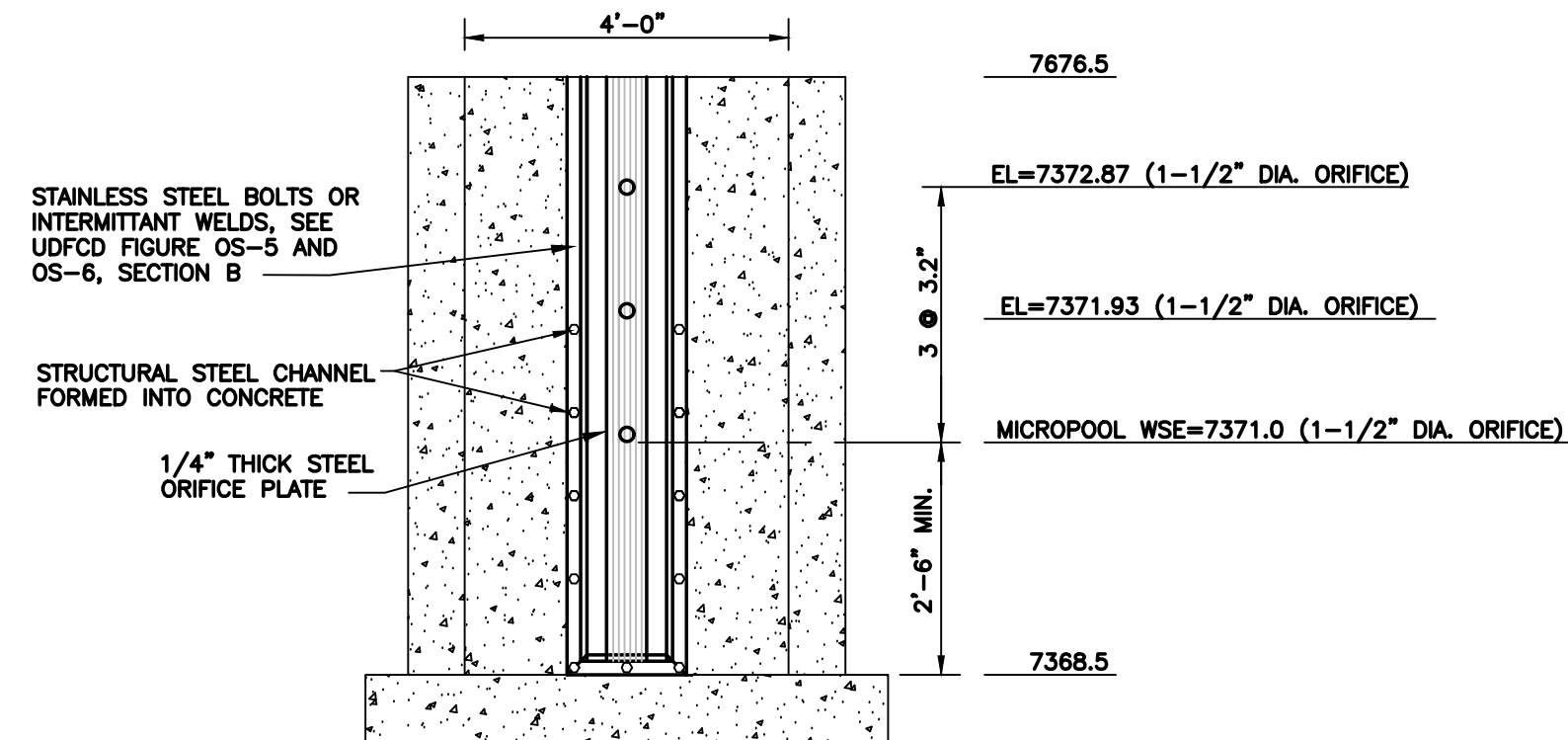
PLAN VIEW
NTS



SECTION
DETENTION POND OUTLET STRUCTURE (C)
SCALE: NTS



RIPRAP RUNDOWN (E)
NOT TO SCALE



ORIFICE PATTERN

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:

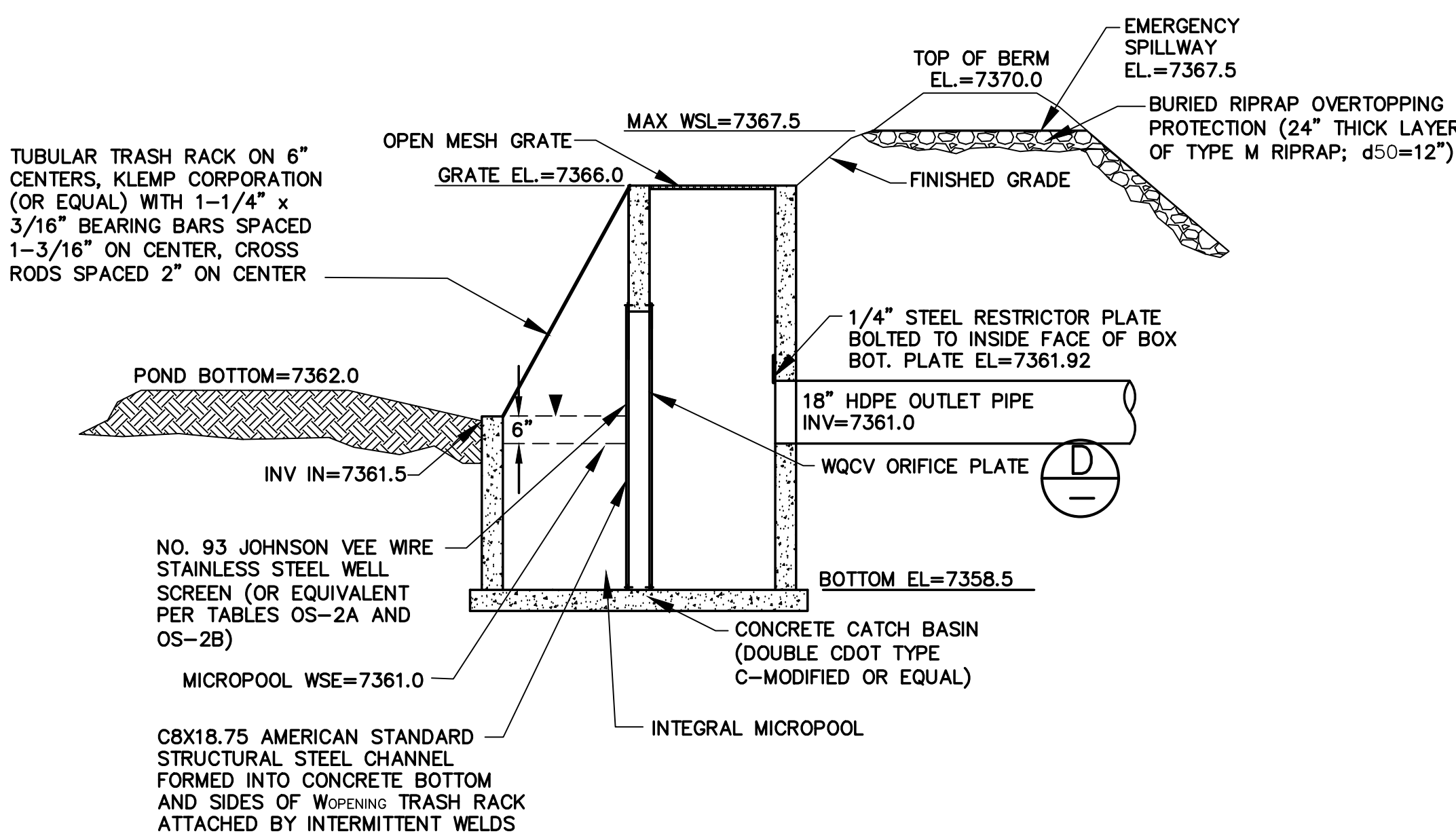
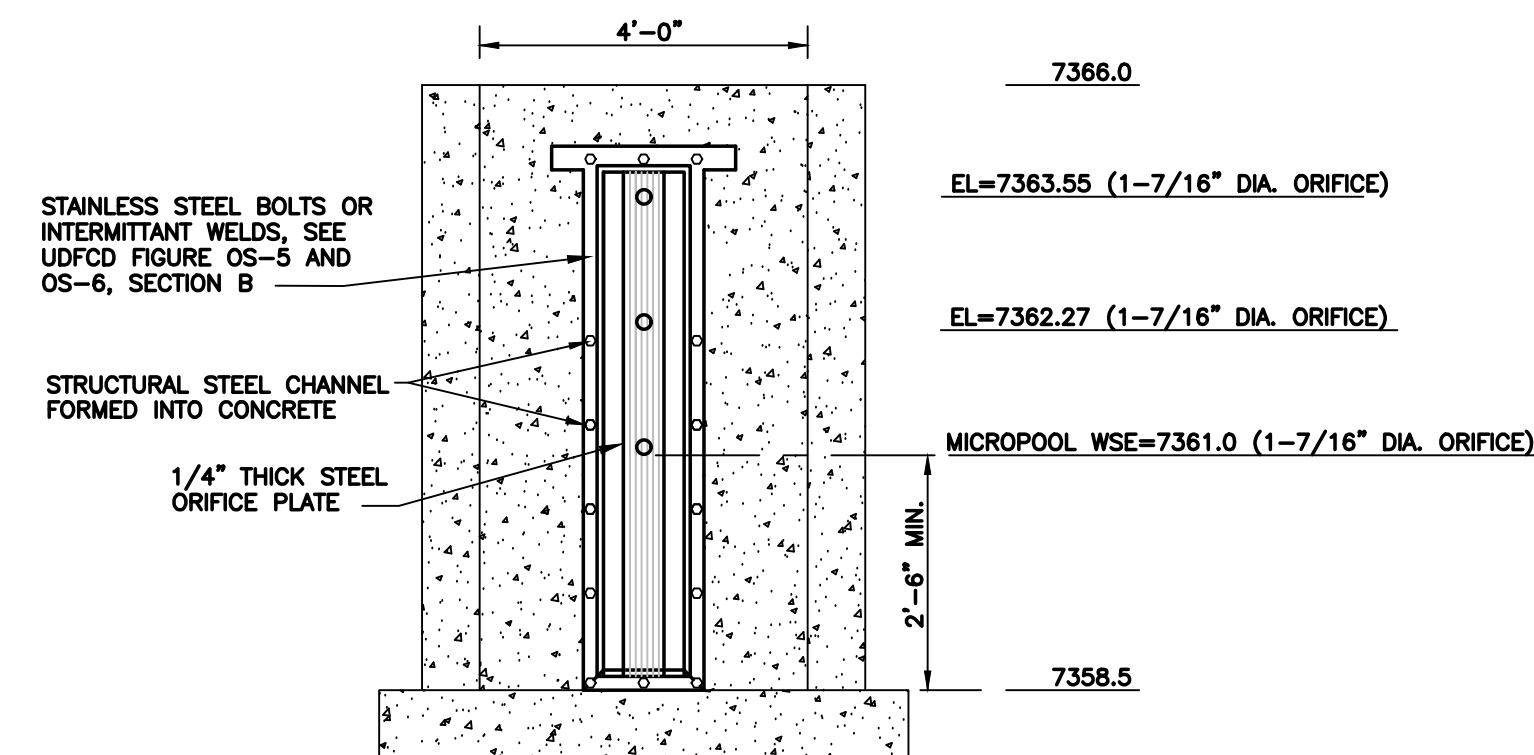
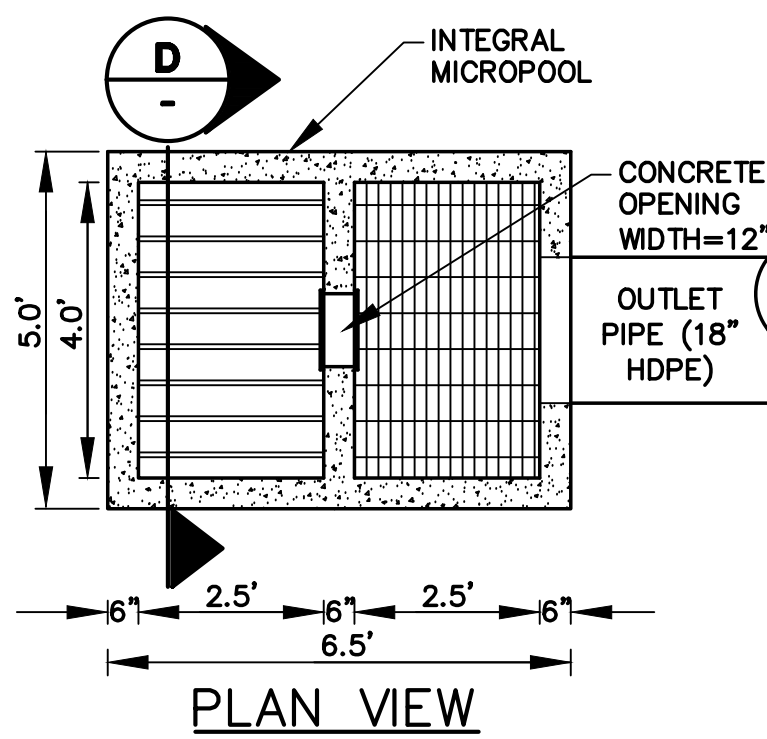
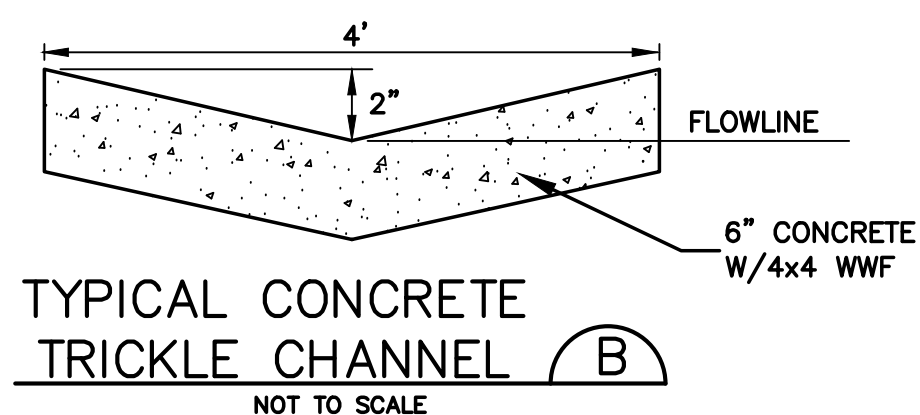
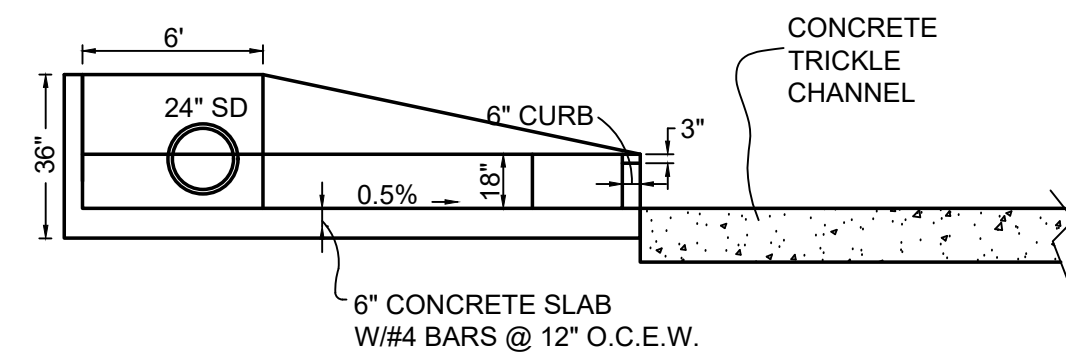
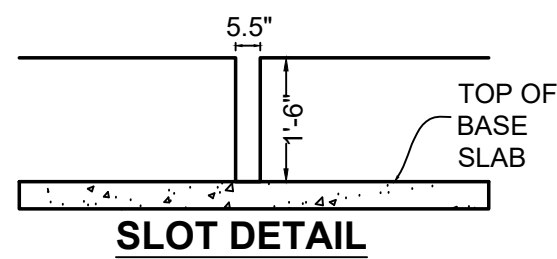
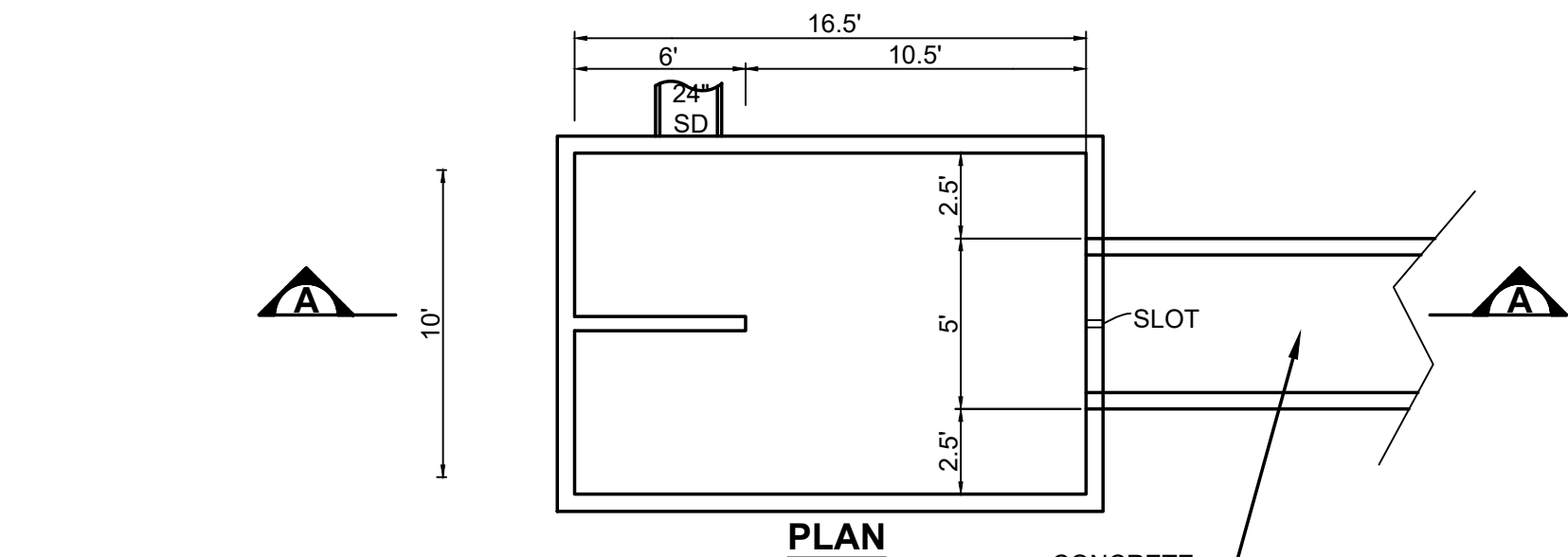
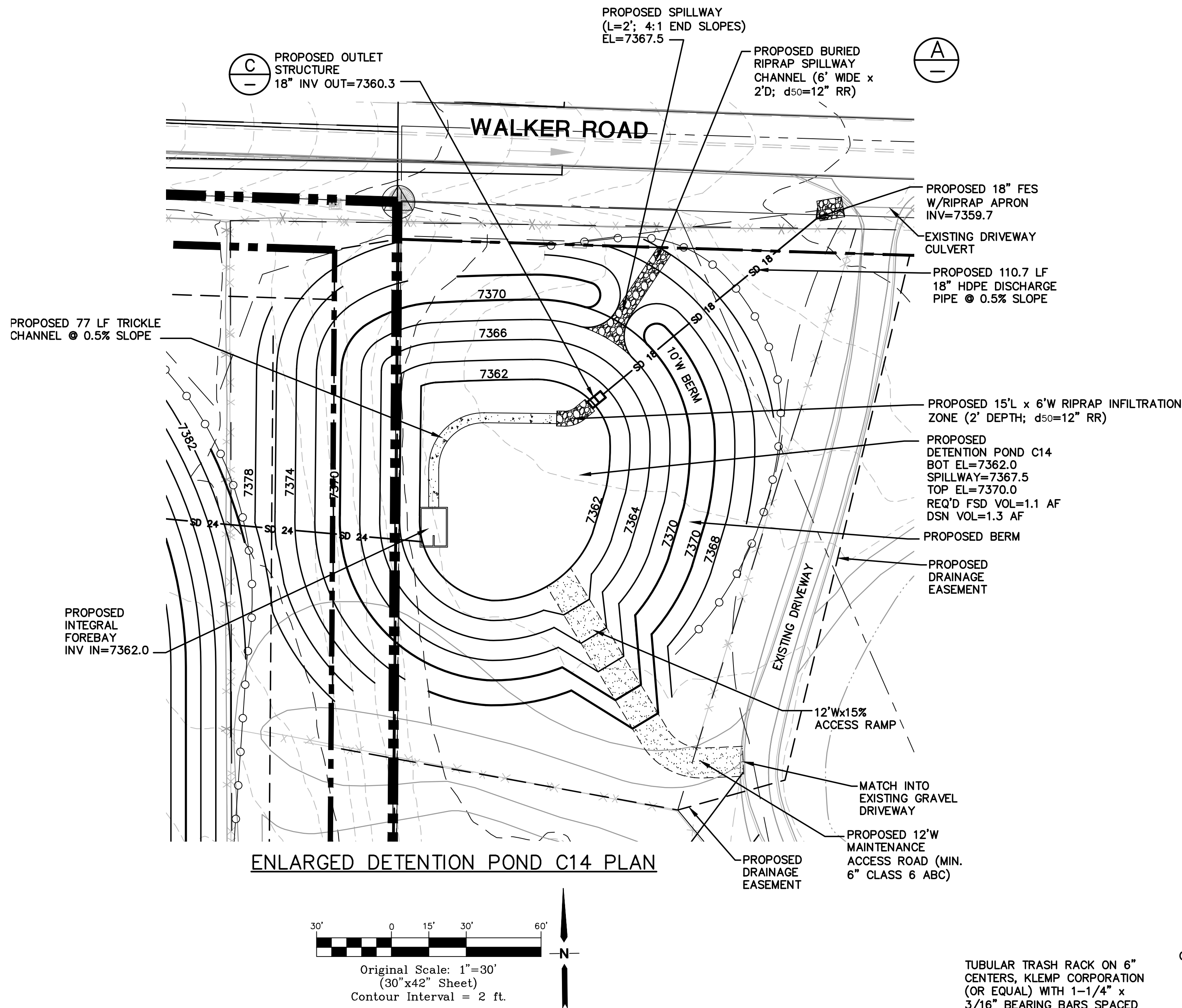
1. ALL TRASH RACKS SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND PROVIDED WITH HINGED AND LOCKABLE OR BOLTABLE ACCESS PANELS.
2. TRASH RACKS SHALL BE STAINLESS STEEL, ALUMINUM, OR STEEL. STEEL TRASH RACKS SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
3. TRASH RACKS 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

NO.	REVISION	BY	DATE
1	FOR PERMIT	JPS	4/17/19
2	COUNTY COMMENTS	JPS	4/29/19

MONUMENT
ACADEMY
HIGH SCHOOL

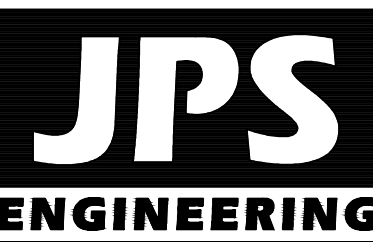
FOR CONSTRUCTION



- 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.
- EURY 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.
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TYPICAL WQCV ORIFICE PLATE DETAIL D

SCALE: NTS



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DETENTION POND C14
PLAN & DETAILS

SCALE : AS SHOWN

NORTH	DATE:	12/20/18
	DRAWN BY:	BJJ
	CHECKED BY:	JPS
	REVISED:	4/29/19

NO.	REVISION	BY	DATE
1	FOR PERMIT	JPS	4/17/19
2	COUNTY COMMENTS	JPS	4/29/19

PCD PROJECT NO. PPR-19-009

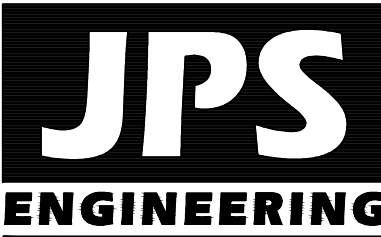
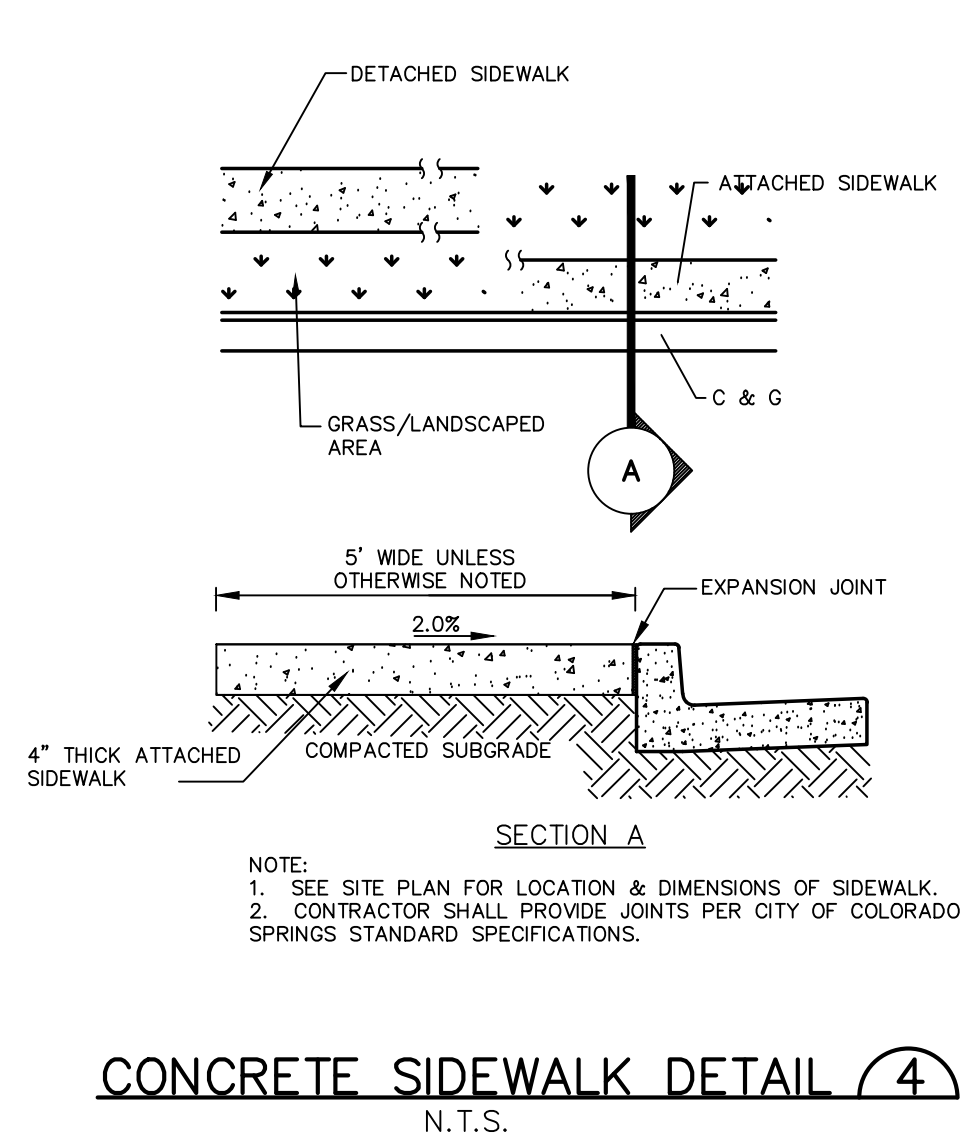
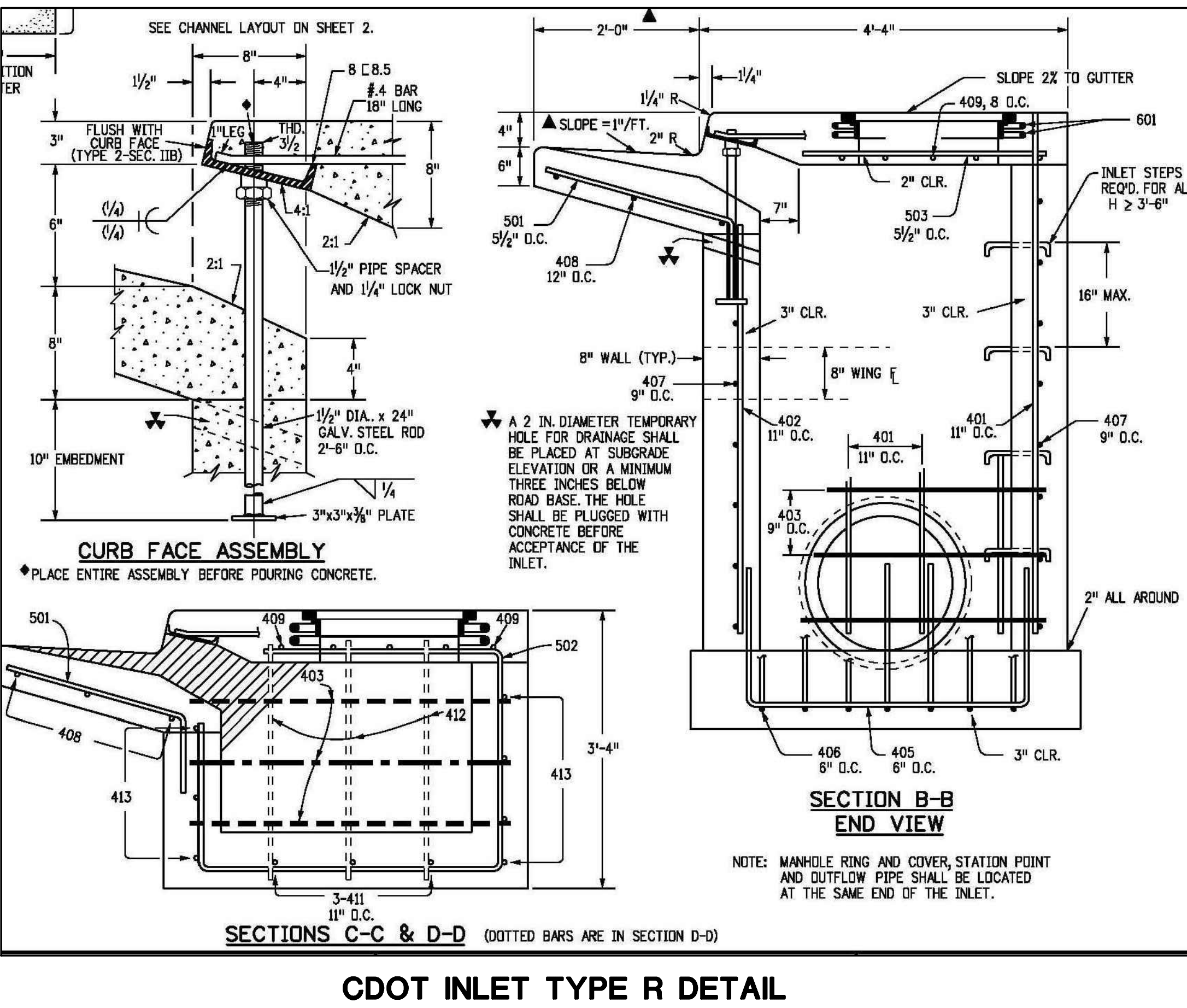
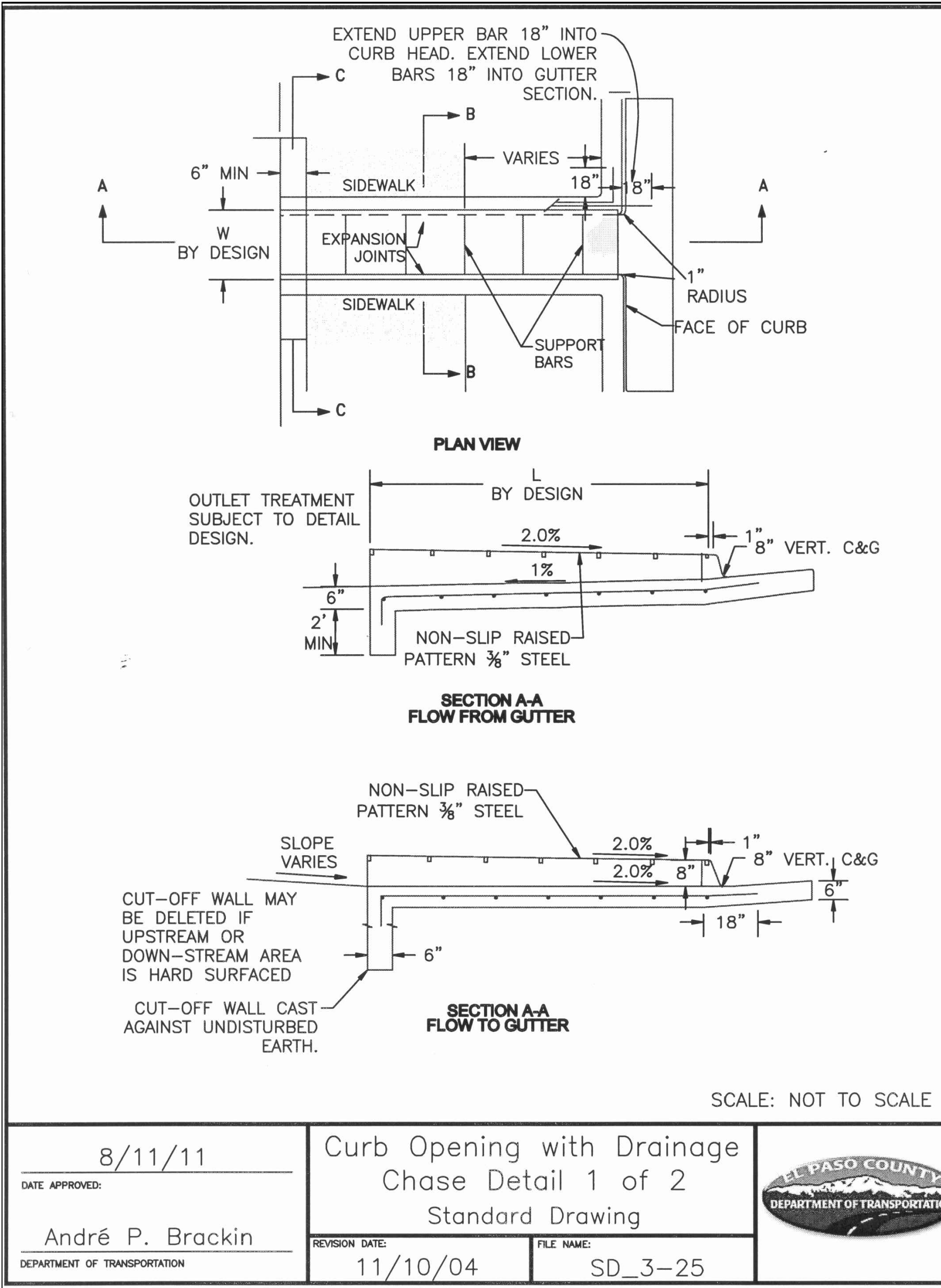
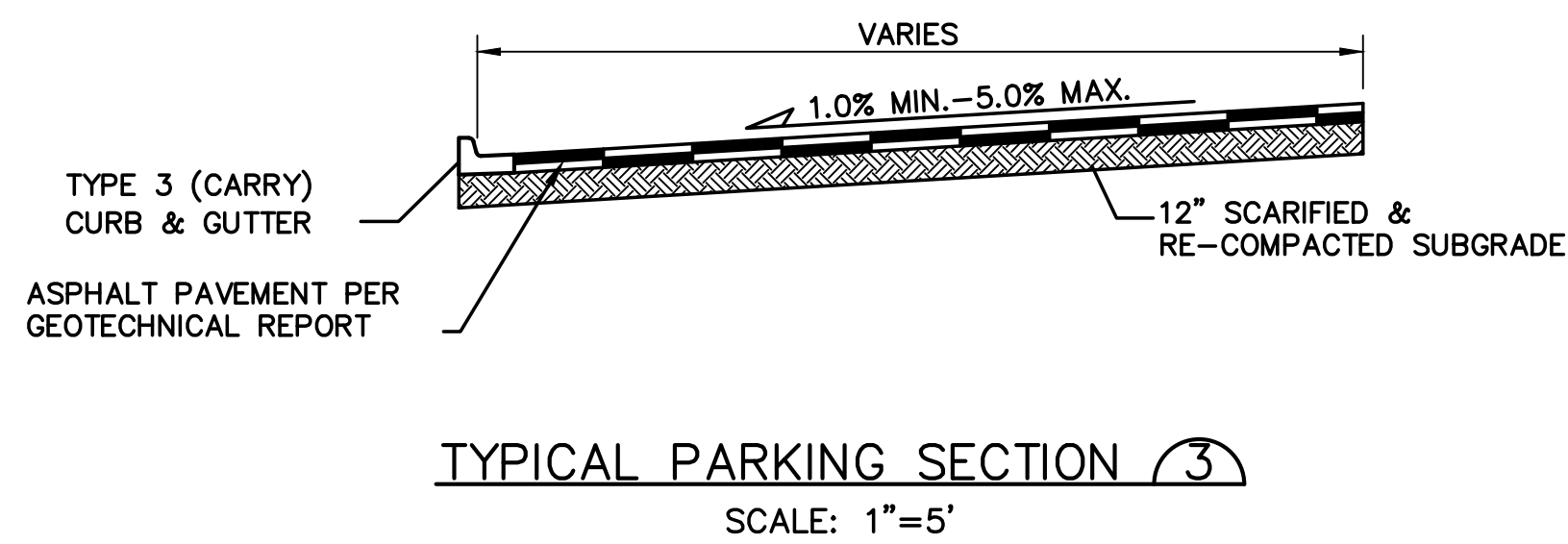
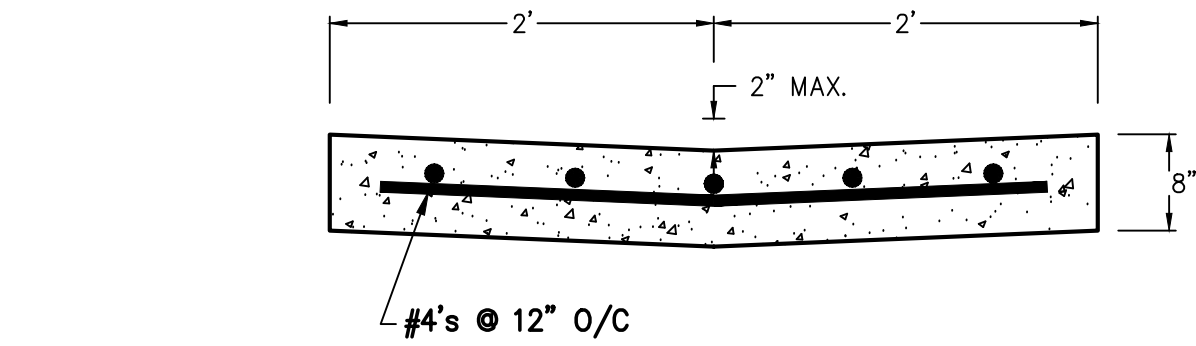
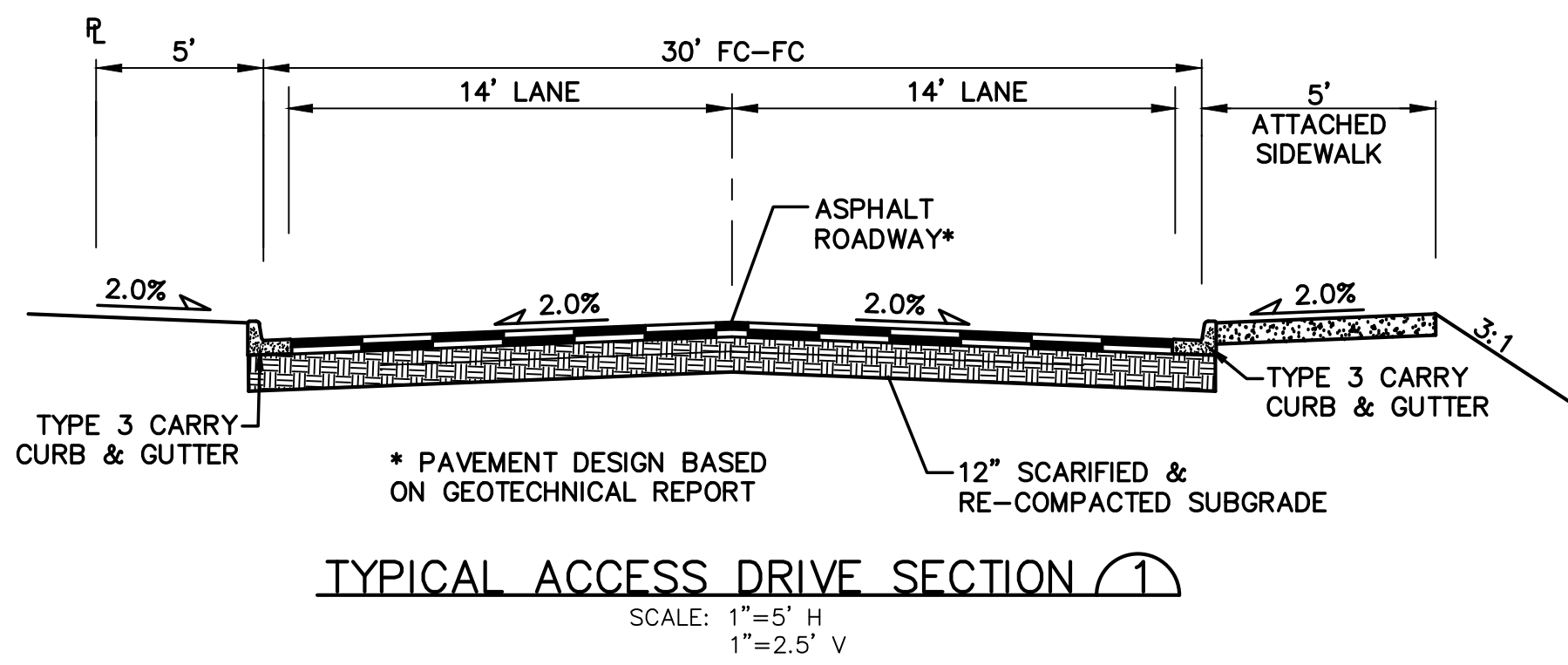
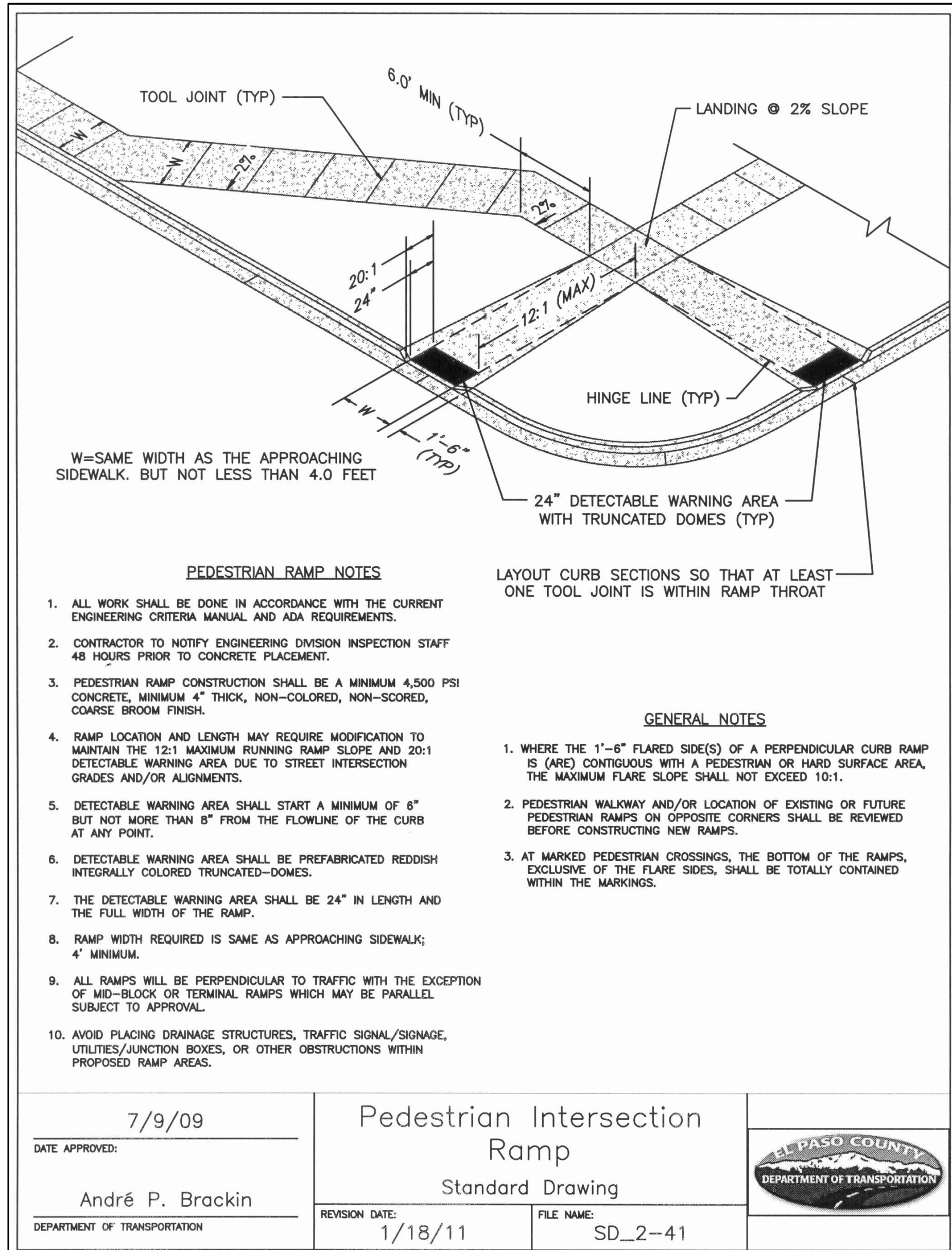
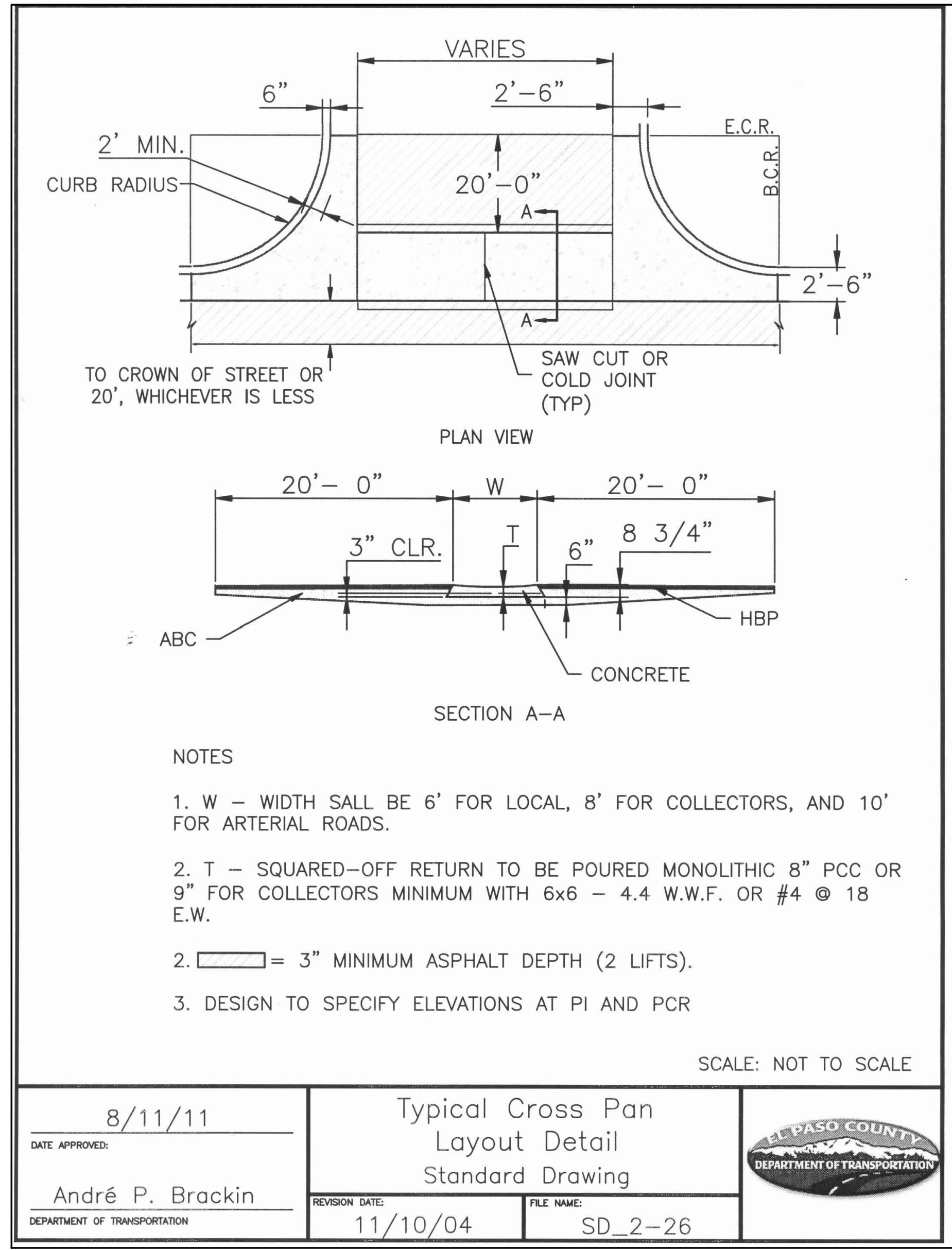
FOR CONSTRUCTION



3.3

MONUMENT
ACADEMY
HIGH SCHOOL

FOR CONSTRUCTION



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CIVIL DETAILS

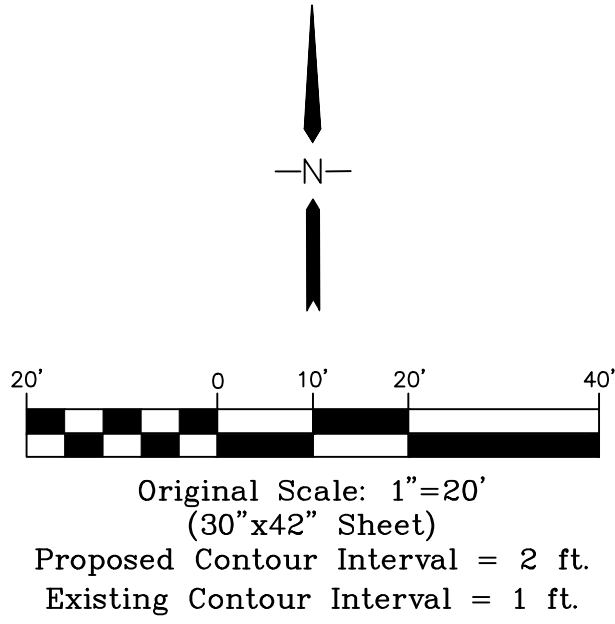
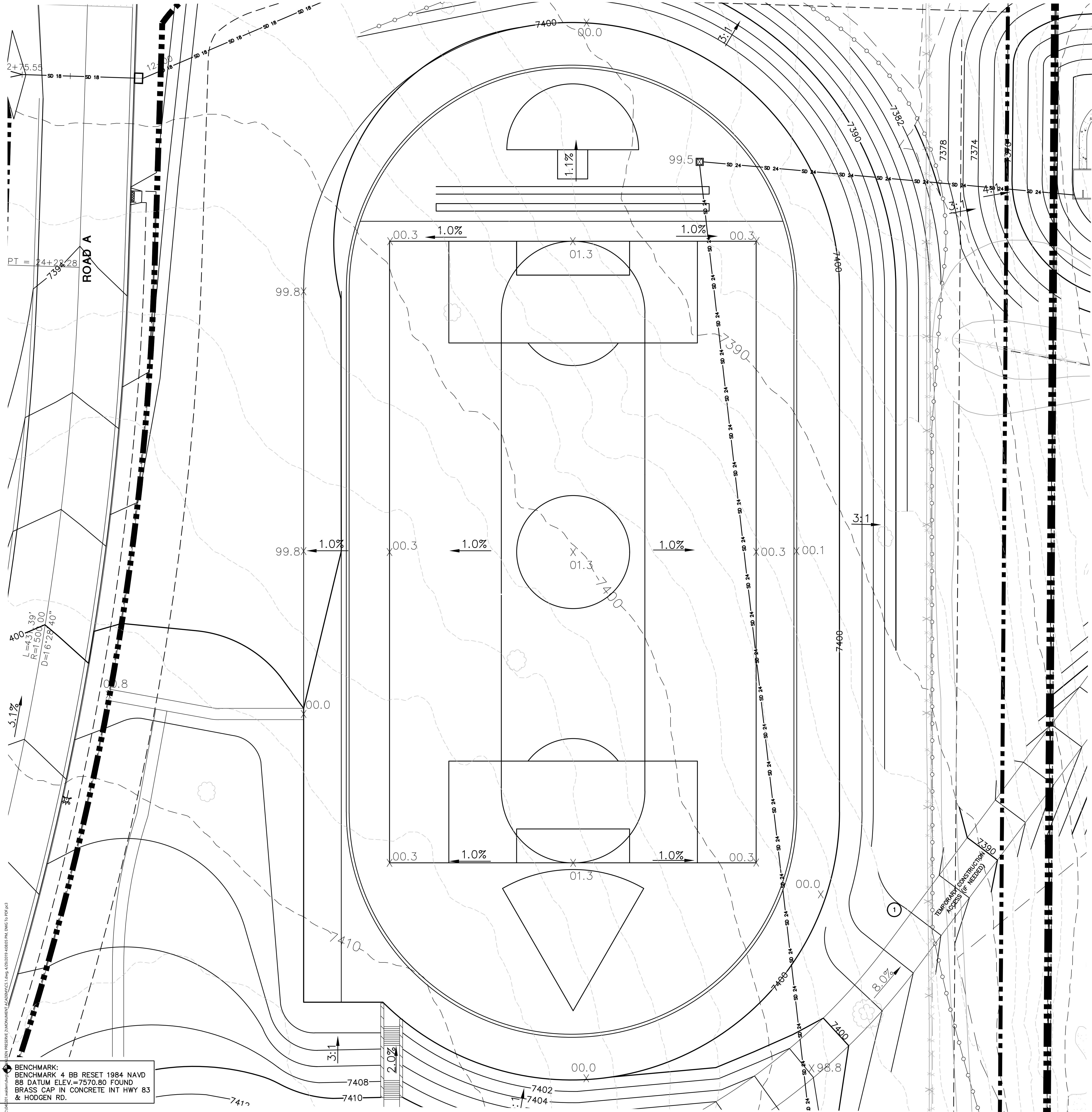
NO.	REVISION	BY	DATE
1	FOR PERMIT	JPS	4/01/19
2	COUNTY COMMENTS	JPS	4/29/19

NORTH

DATE: 12/21/18
DRAWN BY: BJJ
CHECKED BY: JPS
REVISED: 4/29/19

PCD PROJECT NO. PPR-19-009

C4.2



LEGEND	
	PROPERTY LINE
	EASEMENT
	PROPOSED CONTOUR
	EXISTING CONTOUR
	PROPOSED SPOT ELEVATION (FLOWLINE)
	EXIST. SPOT ELEVATION

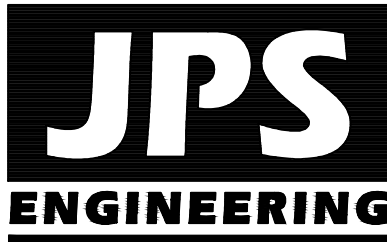
- KEYED NOTES:**
- CONTRACTOR MAY WASTE EXCESS CUT MATERIAL OR BORROW SUITABLE FILL MATERIAL FROM THIS AREA . MAINTAIN POSITIVE DRAINAGE & MATCH INTO EXISTING GRADES WITH 3:1 MAX. SLOPE.
 - PREPARE AND COMPACT BUILDING FOUNDATION & SLABS PER PROJECT GEOTECHNICAL REPORT
 - HEAVY DUTY ASPHALT PAVEMENT: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

NO.	REVISION	BY	DATE
	FOR PERMIT	JPS	4/01/19
	COUNTY COMMENTS	JPS	4/29/19

PCD PROJECT NO. PPR-19-009

MONUMENT ACADEMY HIGH SCHOOL

FOR CONSTRUCTION



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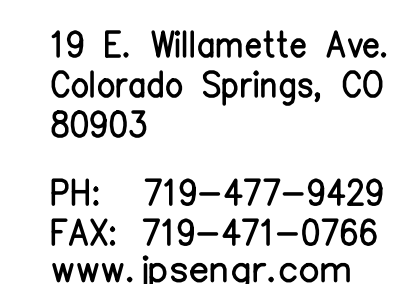
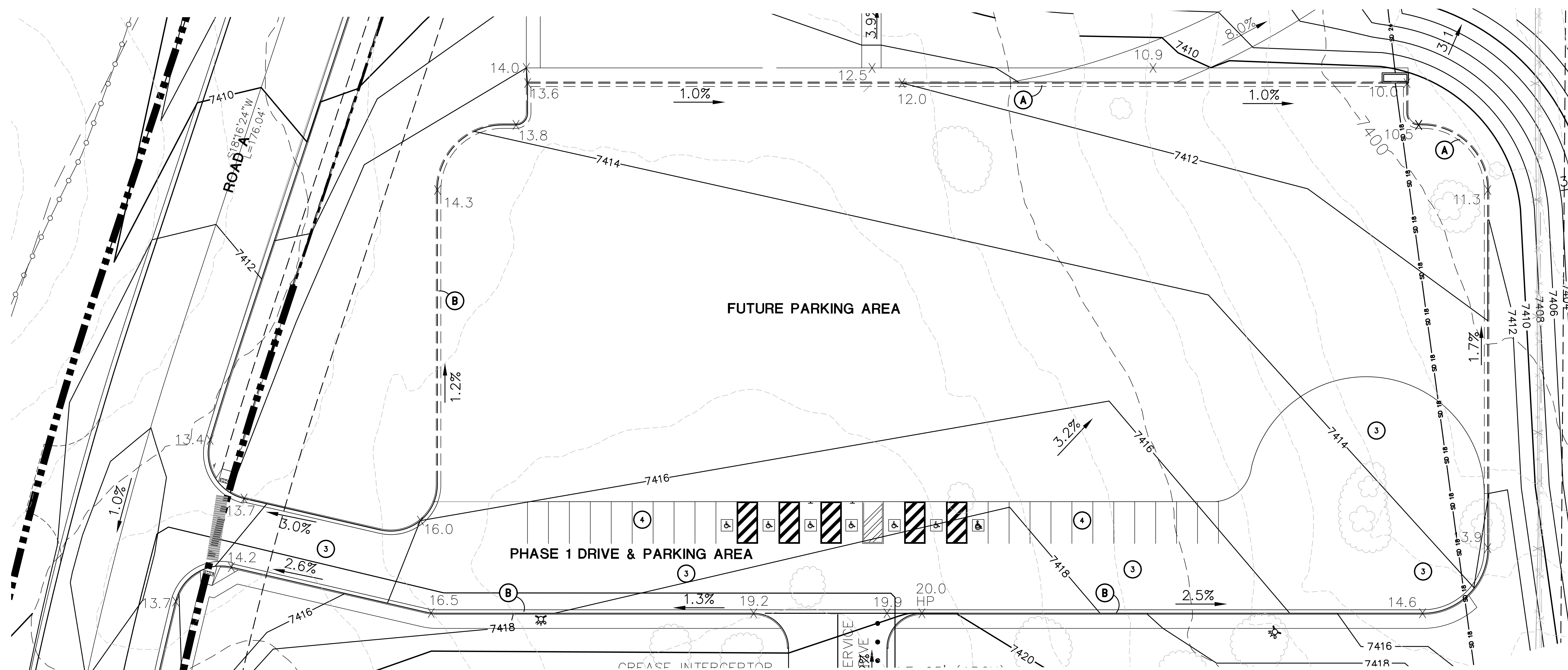
ENLARGED GRADING
PLAN - NORTH FIELD

SCALE : 1"=20'



DATE: 12/20/18
DRAWN BY: BJJ
CHECKED BY: JPS
REVISED: 4/29/19

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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 ASPHALT PAVEMENT:
5" HBP OVER 5" ABC (REFER TO GEOTECH REPORT)
4. LIGHT DUTY ASPHALT 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
A	FOR PERMIT	JPS	4/01/1
B	COUNTY COMMENTS	JPS	4/29/1

PCD PROJECT NO. PPR-19-009



SCALE : 1"=20'

NORTH

DATE: 12/24/18

DRAWN BY: BJJ

CHECKED BY: JPS


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C5.2

TYPE 3 CARRY CURB
NTS

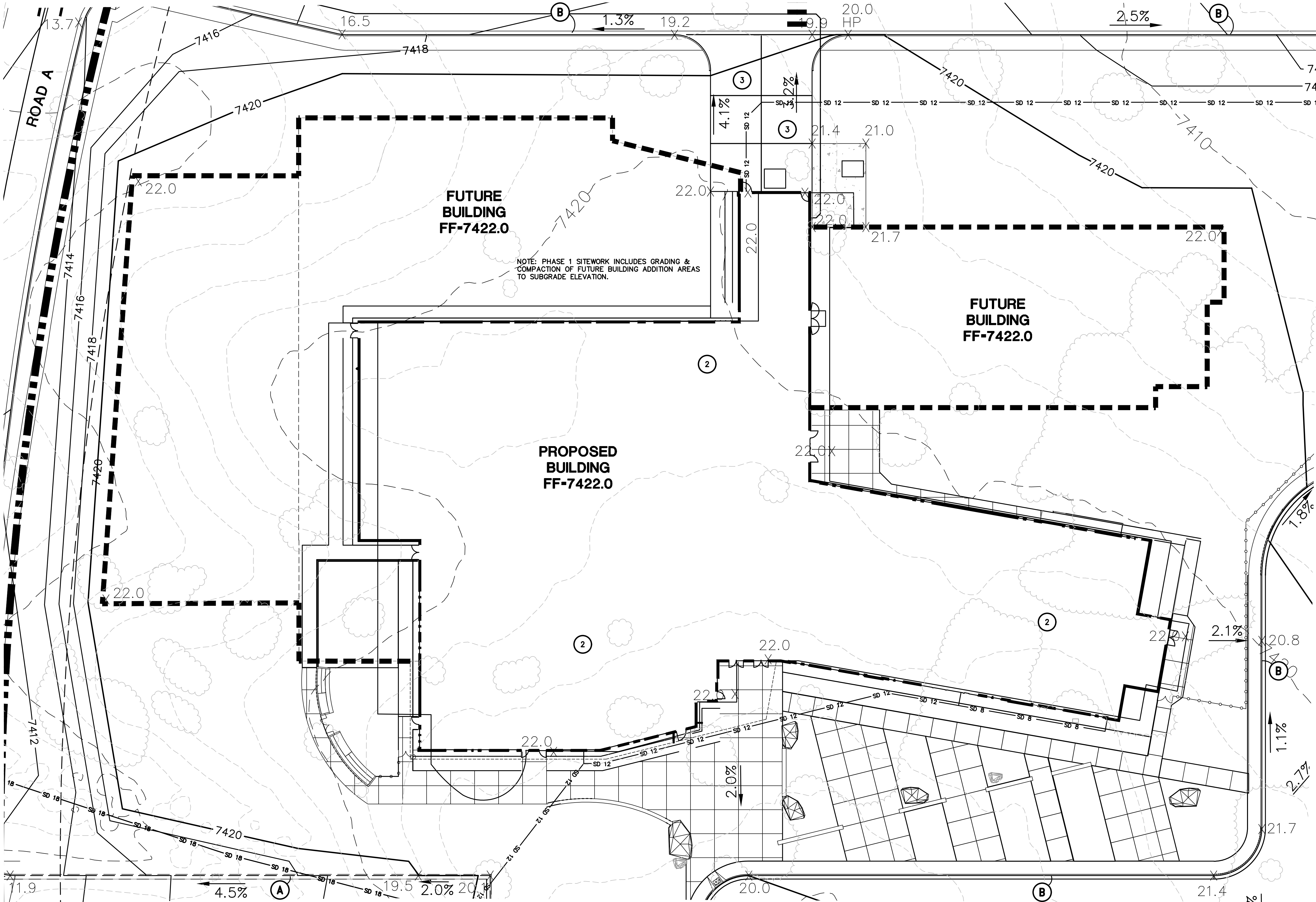
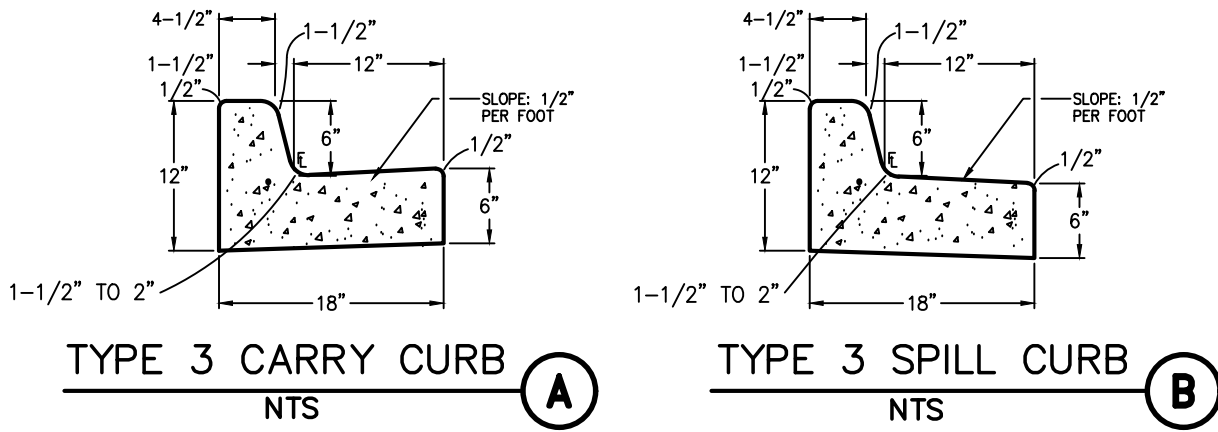
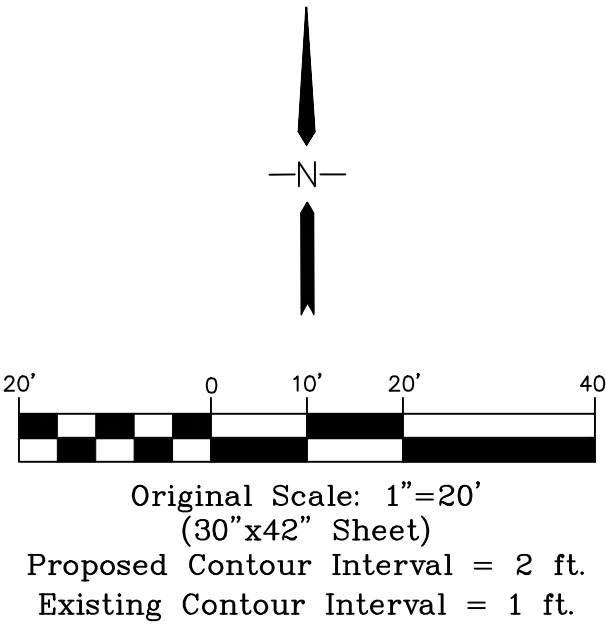
TYPE 3 SPILL CURB
NTS

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

10/0001 unladen) *flammaria* MAI (NEN DECEDEVE 2% MONUMENT ACORDAVIC 1 dia 4/25/2010 6:00:50 AM P.M.C. In ONE n-2

MONUMENT
ACADEMY
HIGH SCHOOL

FOR CONSTRUCTION



LEGEND

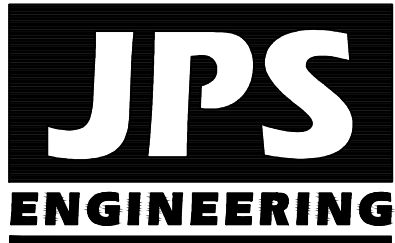
- PROPERTY LINE
- EASEMENT
- PROPOSED CONTOUR
- EXISTING CONTOUR
- PROPOSED SPOT ELEVATION (FLOWLINE)
- EXIST. SPOT ELEVATION

KEYED NOTES:

- 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.
- PREPARE AND COMPACT BUILDING FOUNDATION & SLABS PER PROJECT GEOTECHNICAL REPORT
- HEAVY DUTY CONCRETE PAVEMENT: 6.5" CONCRETE (REFER TO GEOTECH REPORT)
- LIGHT DUTY ASPHALT PAVEMENT: 4" HBP OVER 5" ABC (REFER TO GEOTECH REPORT)
- 2' CURB CHASE
- BUILDING MATERIAL STORAGE AREA
- TOPSOIL STOCKPILE AREA

NO.	REVISION	BY	DATE
1	FOR PERMIT	JPS	4/01/19
2	COUNTY COMMENTS	JPS	4/29/19

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Colorado Springs, Colorado 80903

ENLARGED GRADING
PLAN - BUILDING AREA

SCALE : 1"=20'

NORTH	DATE: 12/24/18
	DRAWN BY: BJJ
	CHECKED BY: JPS
	REVISED: 4/29/19

C5.3

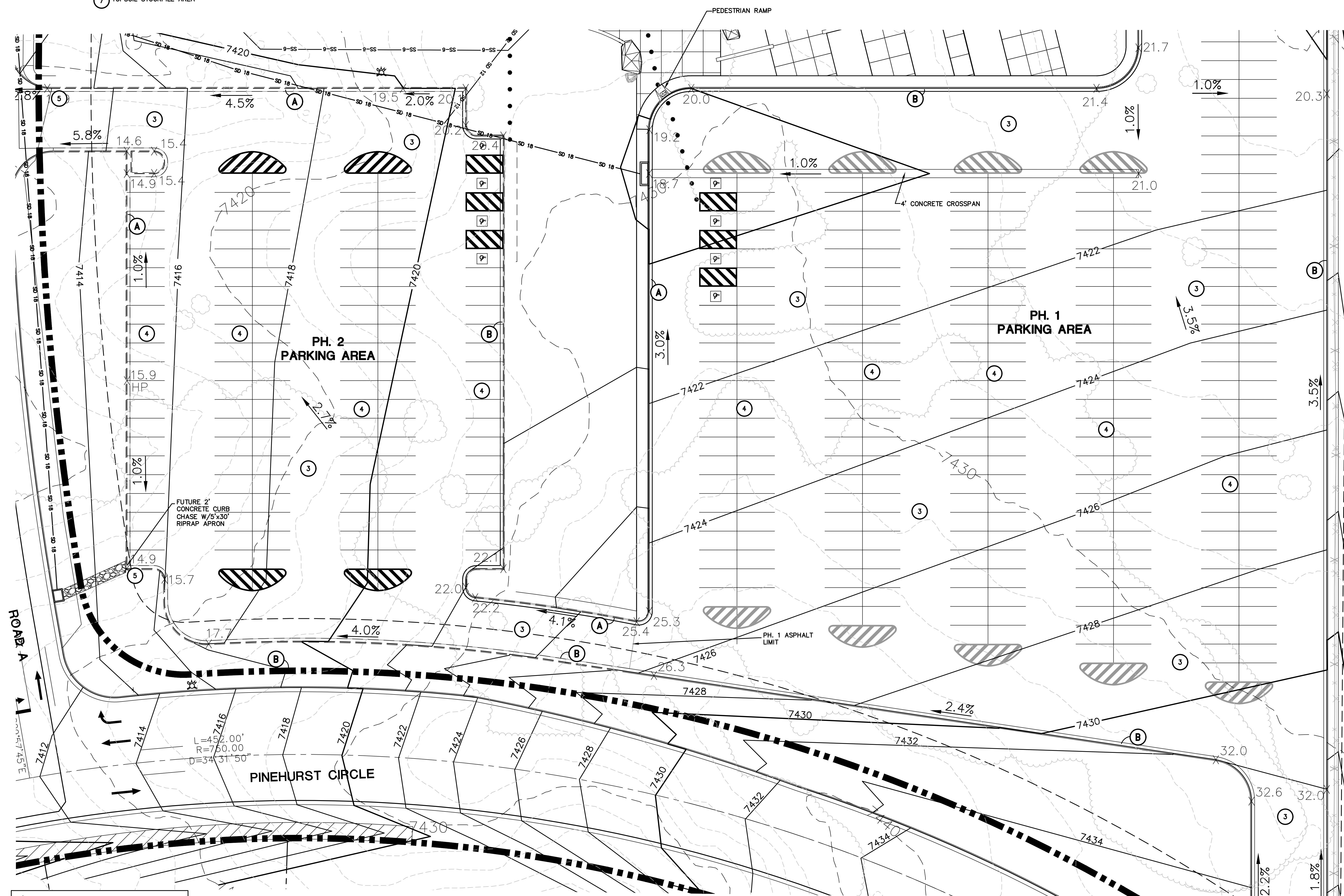
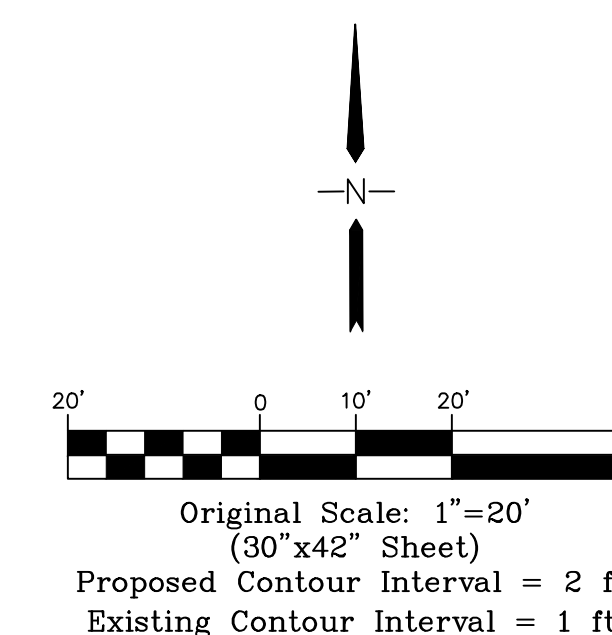
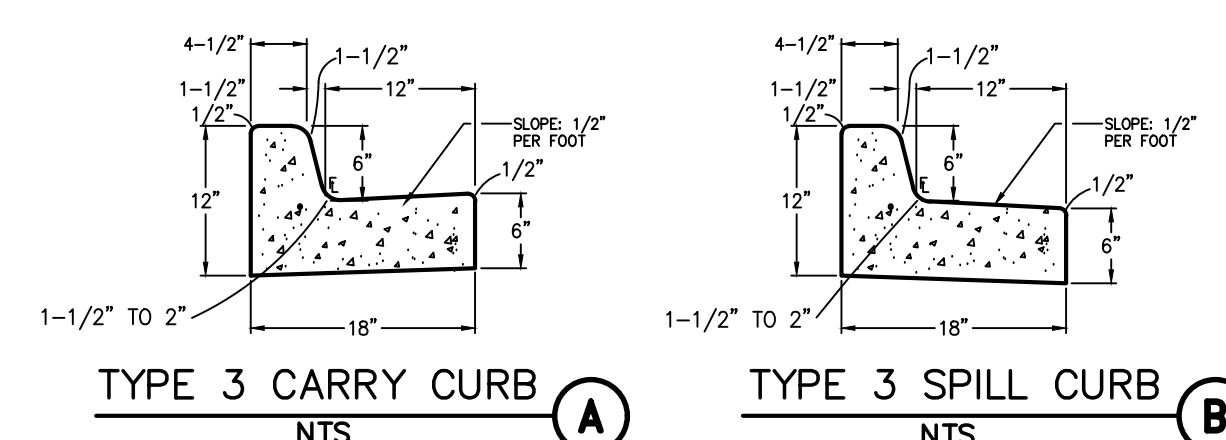
BENCHMARK:
BENCHMARK 4 BB RESET 1984 NAVD
88 DATUM ELEV.=7570.80 FOUND
BRASS CAP IN CONCRETE INT HWY 83
& HODGEN RD.


FOR CONSTRUCTION

1. CONTRACTOR MAY WASTE EXCESS CUT MATERIAL OR BORROW SUITABLE 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 ASPHALT PAVEMENT:
5" HBP OVER 5" ABC (REFER TO GEOTECH REPORT)
4. LIGHT DUTY ASPHALT PAVEMENT:
4" HBP OVER 5" ABC (REFER TO GEOTECH REPORT)
5. 2' CURB CHASE W/RIPRAP APRON
(15'Lx5'Wx2'D; d50=12" RR)
6. BUILDING MATERIAL STORAGE AREA
7. TOPSOIL STOCKPILE AREA

LEGEND


---	PROPERTY LINE
---	EASEMENT
—6520—	PROPOSED CONTOUR
—6520—	EXISTING CONTOUR
× 99.0	PROPOSED SPOT ELEVATION (FLOWLINE)
× <u>99.0</u>	EXIST. SPOT ELEVATION



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

NO.	REVISION	BY	DATE
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Colorado Springs, Colorado 80903

**ENLARGED GRADING PLAN
- SOUTH PARKING LOT**

SCALE : 1"=20'



DATE: 12/24/18
DRAWN BY: BJJ
CHECKED BY: JPS
REVISED: 4/29/19

C5.4

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