

# WEST BRANCH HIGH SCHOOL

## PHASE 1 PARKING AND SITE IMPROVEMENTS

### WEST BRANCH, IOWA

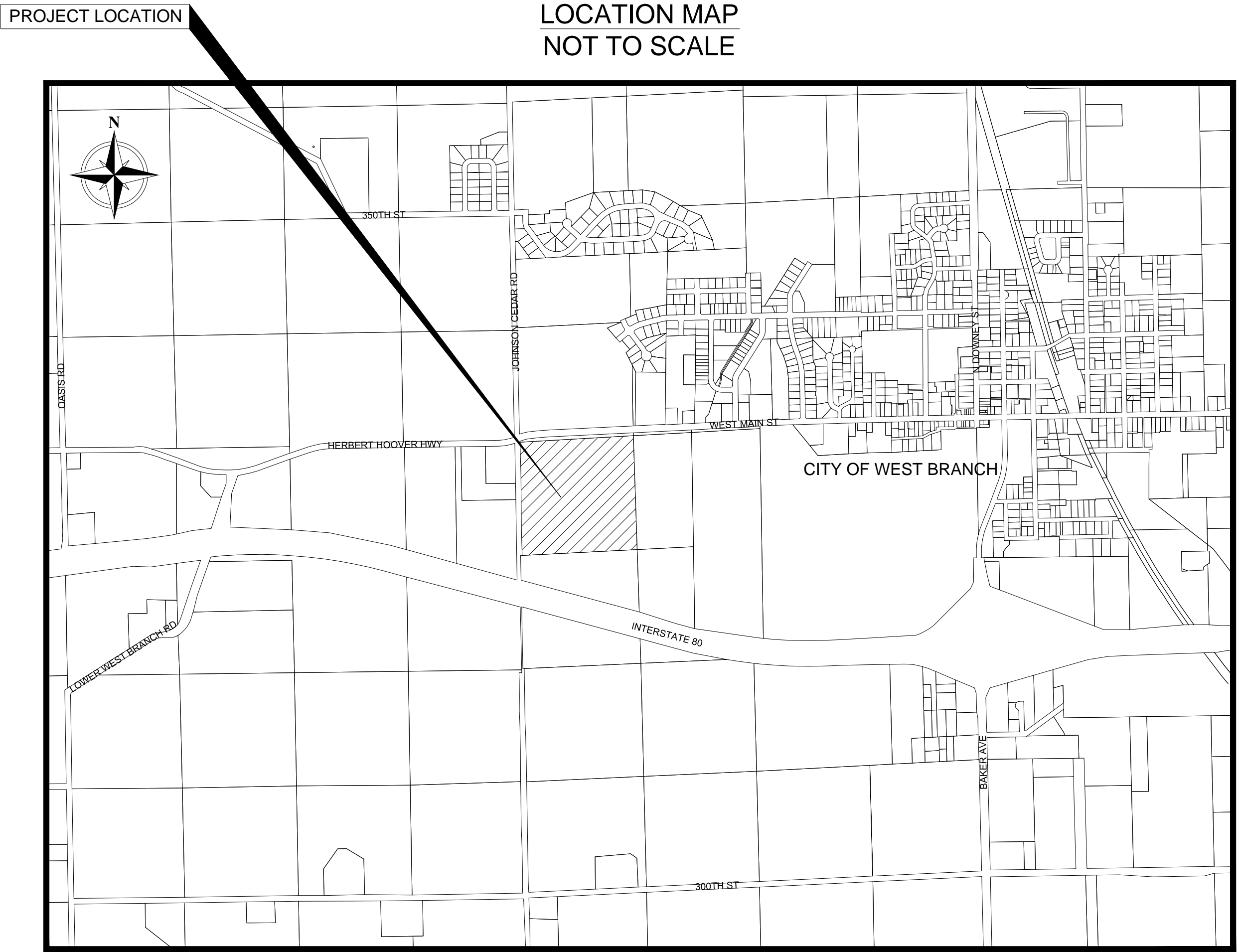
**EASEMENTS:**  
ALL PUBLIC EASEMENTS OF RECORD WHICH COULD BE LOCATED ARE SHOWN ON THIS PLAN. NO INFORMATION WAS MADE AVAILABLE BY THE OWNER, AS REQUESTED, FOR ON SITE PRIVATE EASEMENTS AT THE TIME OF THIS PLAN.

**ZONING:**  
EXISTING AND PROPOSED ZONING: A1 AGRICULTURAL DISTRICT

**PLAT:**  
RECORDED IN BK 5, PG 155, OF THE RECORDS OF THE CEDAR COUNTY AUDITOR'S OFFICE.

**LEGAL DESCRIPTION:**  
BEGINNING AT THE NORTHWEST CORNER OF SECTION 7, TOWNSHIP 79 NORTH, RANGE 4 WEST OF THE FIFTH PRINCIPAL MERIDIAN, CEDAR COUNTY, IOWA  
THENCE SOUTH 1,291.88 FEET ALONG THE WEST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 7 TO A POINT (THIS IS A ASSUMED BEARING FOR PURPOSES OF THIS DESCRIPTION ONLY);  
THENCE NORTH 88°58'40" EAST 1,393.50 FEET TO A POINT;  
THENCE NORTH 00°00'20" WEST 1,398.15 FEET TO A POINT OF INTERSECTION WITH THE RECORDED COUNTY ROAD CENTER LINE;  
THENCE SOUTH 88°16'20" WEST 1,393.78 FEET ALONG SAID RECORDED COUNTY ROAD CENTER LINE TO A POINT;  
THENCE SOUTH 89.10 FEET TO THE POINT OF BEGINNING AND CONTAINING 44.4 ACRES MORE OR LESS.  
RECORDED IN BK 97, PG 209 OF THE RECORDS OF THE CEDAR COUNTY RECORDER'S OFFICE.

- GENERAL NOTES:**
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH SUDAS STANDARD SPECIFICATIONS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL UTILITIES. ANY DAMAGE TO SAID UTILITIES SHALL BE REPAIRED AT CONTRACTORS EXPENSE.
  - ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT OSHA CODES AND STANDARDS. NOTHING INDICATED ON THESE PLANS SHALL RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE APPROPRIATE SAFETY REGULATIONS.
  - THE CONTRACTOR IS LIABLE FOR ALL DAMAGES TO PUBLIC OR PRIVATE PROPERTY CAUSED BY THEIR ACTION OR INACTION IN PROVIDING FOR STORM WATER FLOW DURING CONSTRUCTION. DO NOT RESTRICT FLOWS IN EXISTING DRAINAGE CHANNELS, STORM SEWER, OR OTHER FACILITIES.
  - ALL NECESSARY CONSTRUCTION SIGNS, BARRICADES, AND OTHER TRAFFIC CONTROL DEVICES REQUIRED DURING CONSTRUCTION WILL BE FURNISHED BY THE CONTRACTOR SIGNS, BARRICADES AND OTHER TRAFFIC CONTROL DEVICES MUST BE CONFORMANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
  - THE CONTRACTOR SHALL PROTECT ALL STRUCTURES NOT SHOWN AS REMOVAL ON THE PLANS.
  - ALL WALKS, PARKING LOTS, HANDICAP PARKING, RAMPS, ETC. SHALL COMPLY WITH ALL ADA AND CITY CODES. HANDICAP PARKING SIGNAGE IS REQUIRED FOR ALL HANDICAP STALLS AND SHALL BE CONSIDERED INCIDENTAL.
  - ACTIVE EXISTING FIELD TILES ENCOUNTERED DURING CONSTRUCTION SHALL BE REPAIRED, REROUTED, OR CONNECTED TO PUBLIC OR PRIVATE STORM SEWER TO REMAIN IN SERVICE.



#### INDEX OF SHEETS

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C1.1	EXISTING SITE LAYOUT
C2.0	SITE DEMOLITION
C3.0	OVERALL GRADING AND EROSION CONTROL
C3.1	PAVING
C3.2	STORMWATER MANAGEMENT
C3.3	SITE RESTORATION AND LANDSCAPING
C4.0	TRAFFIC CONTROL
C5.0	DETAILS
C5.1	DETAILS
E1.0	ELECTRICAL

STANDARD LEGEND AND NOTES	
Boundary or Property Line	---
Congressional Section Line	---
Lot Line, Internal	---
Lot Line, Platted or by Deed	---
Existing Centerline	---
Proposed Centerline	---
Existing Right-of-Way	---
Proposed Right-of-Way	---
Existing Easement	---
Proposed Easement	---
Existing Contour	--- 650 ---
Proposed Contour	--- 650 ---
Existing Water Main	--- W ---
Proposed Water Main	--- W ---
Existing Sanitary Sewer	--- SAN ---
Proposed Sanitary Sewer	--- SAN ---
Existing Storm Sewer	--- ST ---
Proposed Storm Sewer	--- ST ---
Existing Telephone	--- T ---
Existing Fiber Optic	--- FO ---
Existing Underground Electric	--- E ---
Existing Overhead Electric	--- OHE ---
Existing Gas Main	--- G ---
Existing Fence Line	--- X --- X ---
Existing Tree Line	---
Benchmark	⬮
Congressional Corner, Found	⬮
Congressional Corner, Reestablished	⬮
Congressional Corner, Recorded Location	⬮
Property Corner, Found	●
Property Corner, Set	○
Cut "X"	⊗
Recorded Dimensions	(R)
Measured Dimensions	(M)
Manhole	⊙
Storm Sewer Intake	⊙
Fire Hydrant	⊙
Water Main Valve	⊙
Utility Pole	⊙
Street Light	⊙
Traffic Sign	⊙
Telephone Junction Box	⊙
Gas Valve	⊙
Traffic Signal Pedestal	⊙
Traffic Signal w/ Mast Arm	⊙
Traffic Signal Cabinet	⊙
Flared End Section	⊙
Guy Anchor	⊙
Mailbox	⊙
Deciduous Tree	⊙
Coniferous Tree	⊙
Shrub	⊙



PROJECT NO.:  
**14-0204**

PROJECT:  
**WEST BRANCH  
HIGH SCHOOL  
PHASE 1  
PARKING AND SITE  
IMPROVEMENTS**

WWW.HBKENGINEERING.COM

ENGINEER:  
**hbk  
ENGINEERING**  
HBK ENGINEERING, LLC  
509 SOUTH GILBERT ST.  
IOWA CITY, IA 52240  
PHONE: (319) 338-7557 FAX: (319) 358-2937  
STATE OF IOWA, DEPARTMENT OF LABOR  
WORKFORCE NO. 0857328

OWNER/DEVELOPER:  
  
WEST BRANCH  
COMMUNITY SCHOOL DISTRICT  
148 N. OLIPHANT ST  
WEST BRANCH, IA 52358

ARCHITECT:  

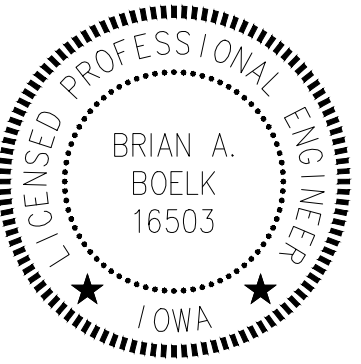

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**C1.0  
COVER SHEET**

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I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

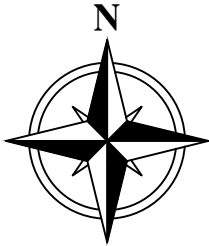
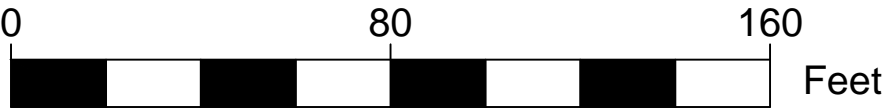
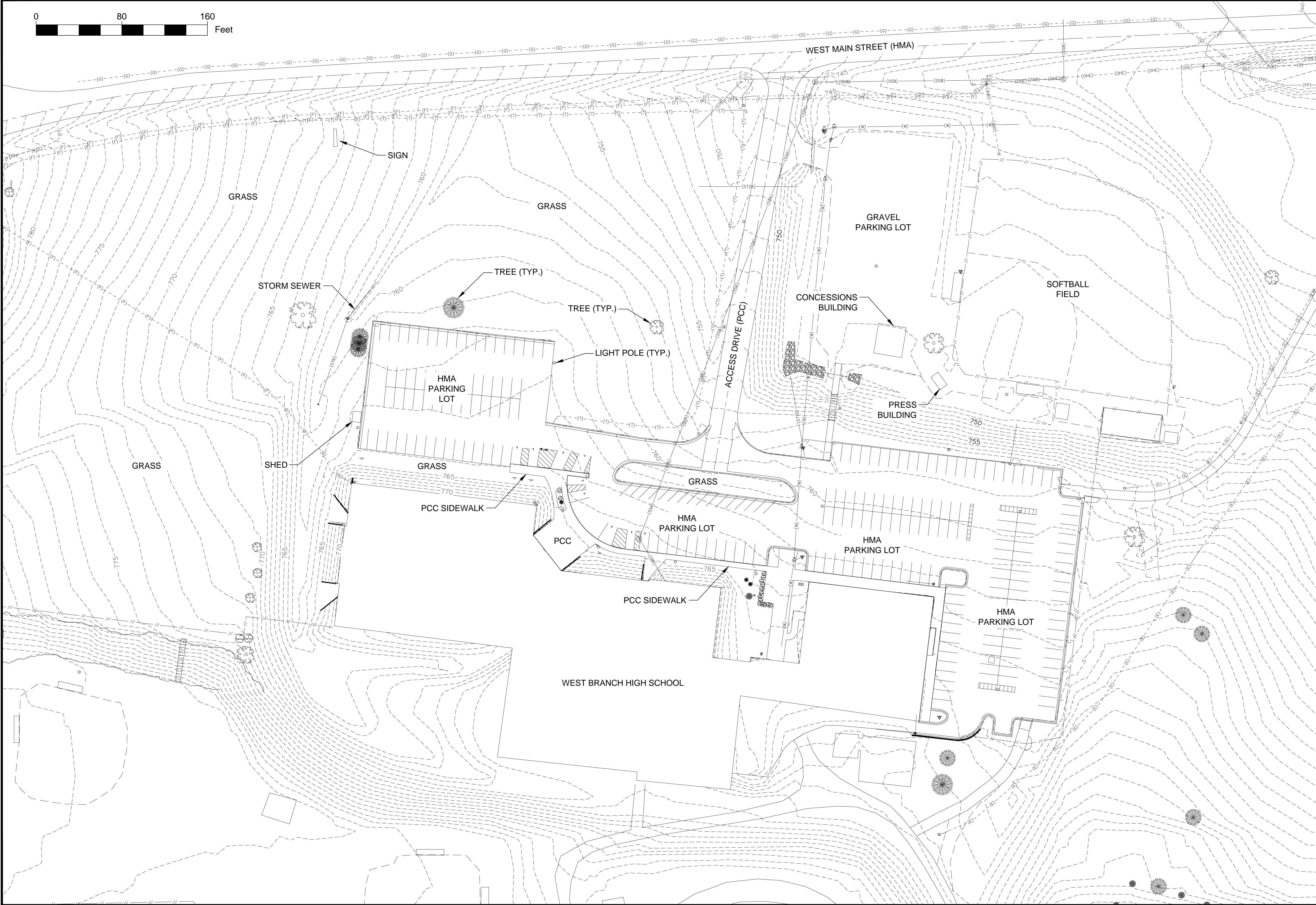
Signed: \_\_\_\_\_ Date: \_\_\_\_\_

Brian A. Boelk, P.E.  
City of Iowa City  
Iowa Registration No. 16503

My licensed renewal date is December 31, \_\_\_\_\_

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OWNER/DEVELOPER:

  
**WEST BRANCH  
COMMUNITY SCHOOLS**

WEST BRANCH  
COMMUNITY SCHOOL DISTRICT  
148 N. OLIPHANT ST  
WEST BRANCH, IA 52358

ARCHITECT:

  
**STRUXTURE  
ARCHITECTS**

TITLE:

**C1.1  
EXISTING SITE LAYOUT**

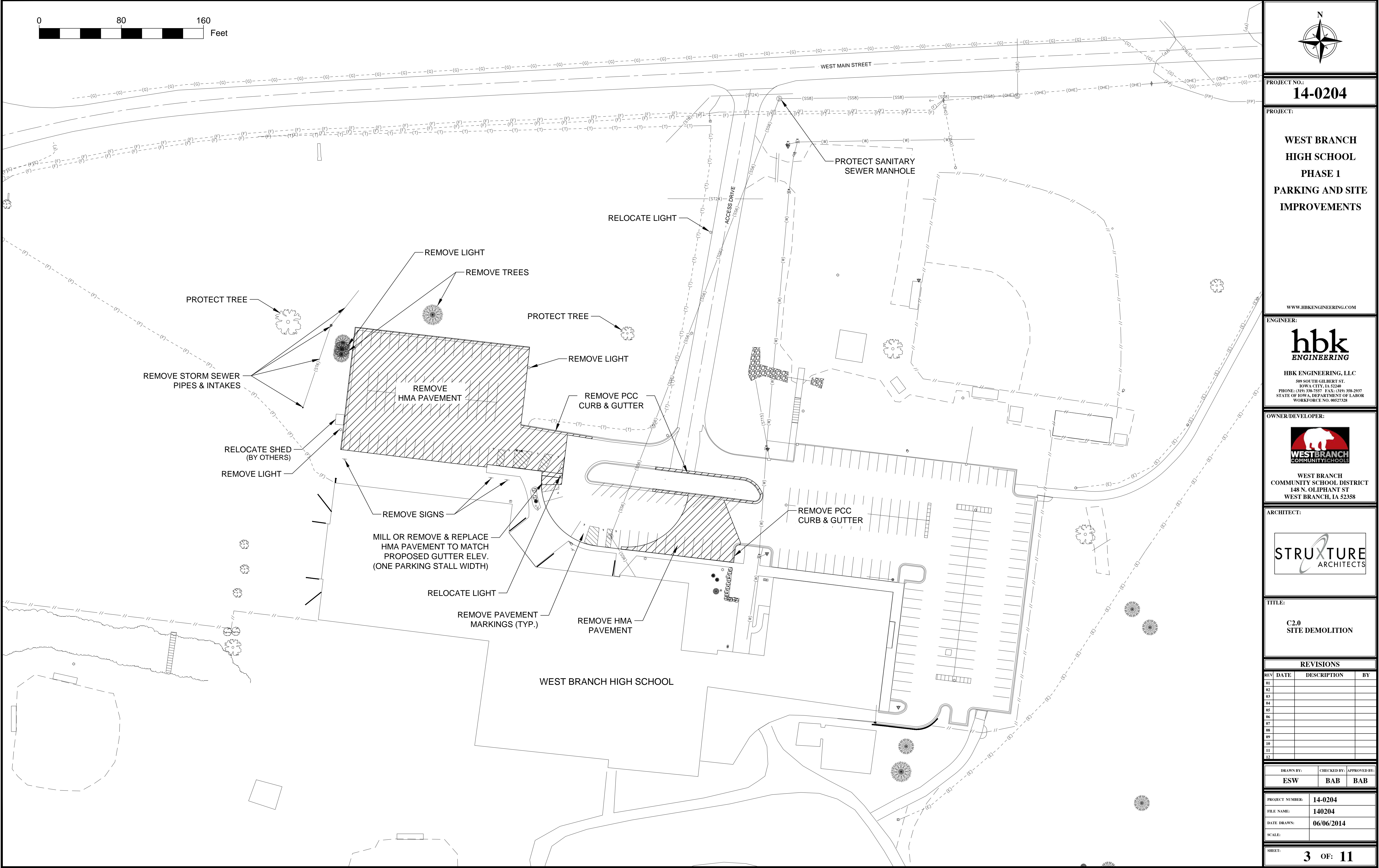
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COMMUNITY SCHOOL DISTRICT  
148 N. OLIPHANT ST  
WEST BRANCH, IA 52358

ARCHITECT:  


TITLE:  
  
**C2.0  
SITE DEMOLITION**

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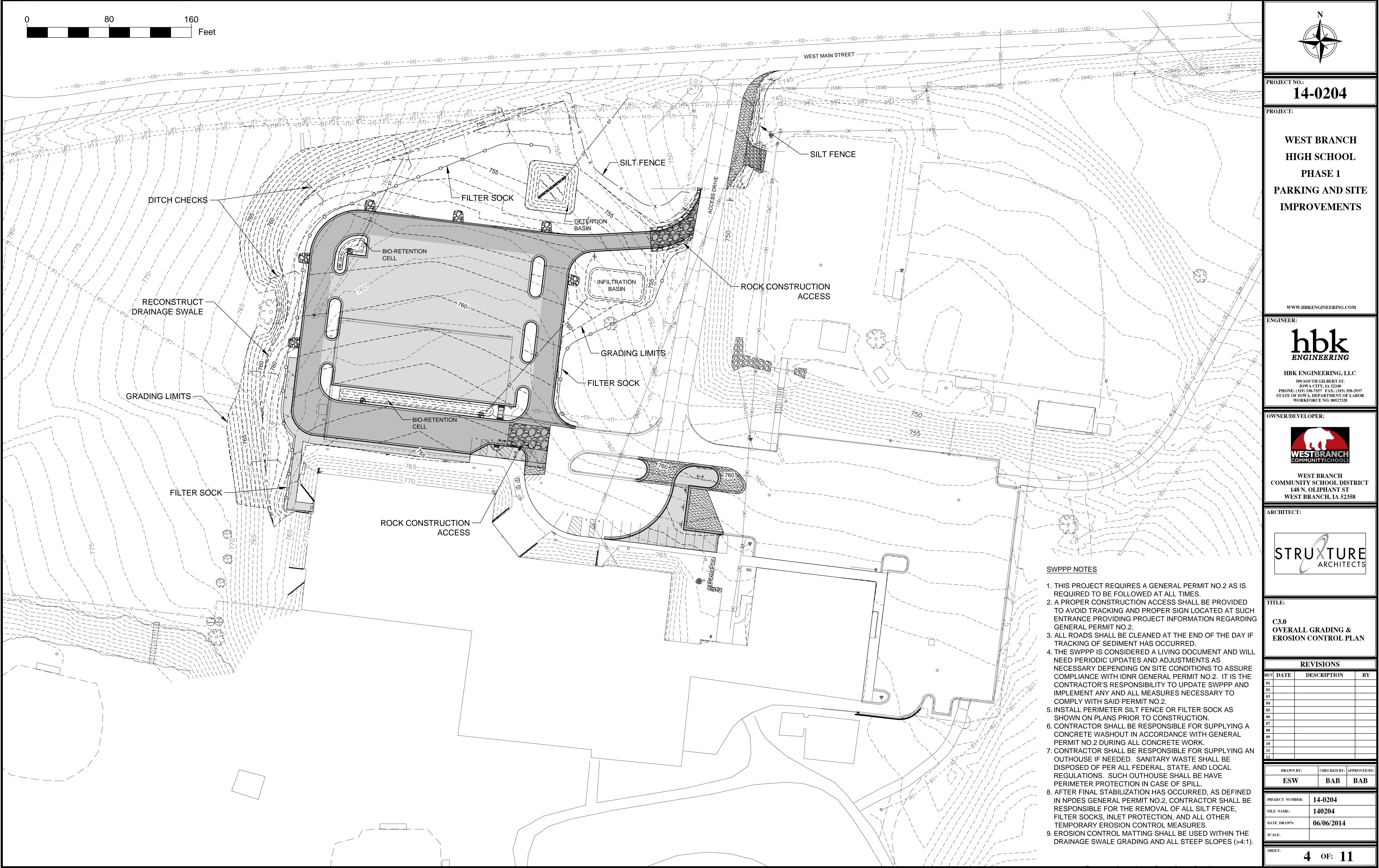
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COMMUNITY SCHOOL DISTRICT  
148 N. OLIPHANT ST  
WEST BRANCH, IA 52358

ARCHITECT:  


TITLE:  
**C3.0  
OVERALL GRADING &  
EROSION CONTROL PLAN**

REVISIONS

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CHECKED BY:  
**BAB**

APPROVED BY:  
**BAB**

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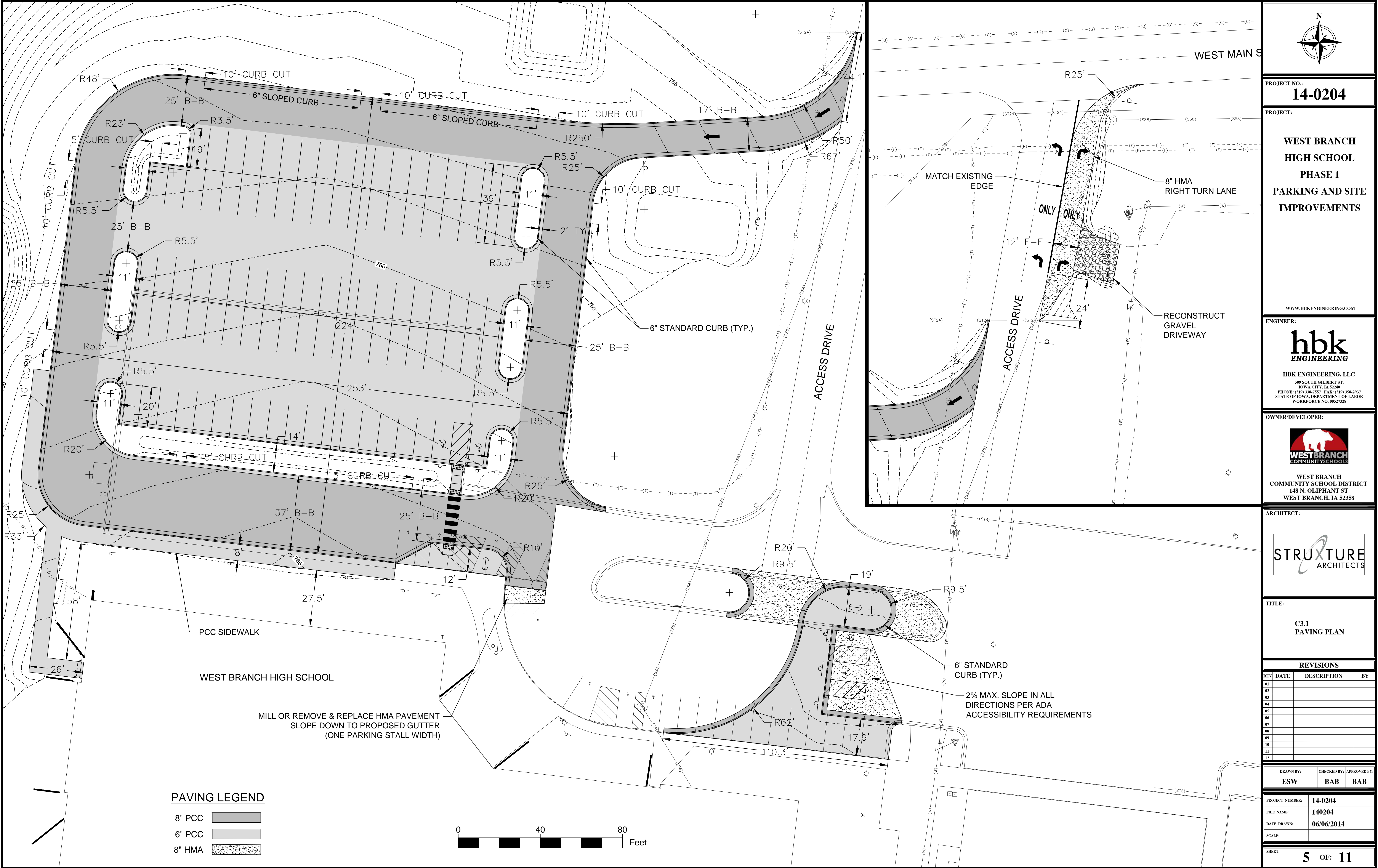
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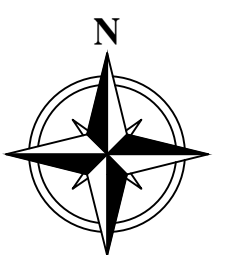
SWPPP NOTES

1. THIS PROJECT REQUIRES A GENERAL PERMIT NO.2 AS IS REQUIRED TO BE FOLLOWED AT ALL TIMES.
2. A PROPER CONSTRUCTION ACCESS SHALL BE PROVIDED TO AVOID TRACKING AND PROPER SIGN LOCATED AT SUCH ENTRANCE PROVIDING PROJECT INFORMATION REGARDING GENERAL PERMIT NO.2.
3. ALL ROADS SHALL BE CLEANED AT THE END OF THE DAY IF TRACKING OF SEDIMENT HAS OCCURRED.
4. THE SWPPP IS CONSIDERED A LIVING DOCUMENT AND WILL NEED PERIODIC UPDATES AND ADJUSTMENTS AS NECESSARY DEPENDING ON SITE CONDITIONS TO ASSURE COMPLIANCE WITH IDNR GENERAL PERMIT NO.2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UPDATE SWPPP AND IMPLEMENT ANY AND ALL MEASURES NECESSARY TO COMPLY WITH SAID PERMIT NO.2.
5. INSTALL PERIMETER SILT FENCE OR FILTER SOCK AS SHOWN ON PLANS PRIOR TO CONSTRUCTION.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING A CONCRETE WASHOUT IN ACCORDANCE WITH GENERAL PERMIT NO.2 DURING ALL CONCRETE WORK.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING AN OUTHOUSE IF NEEDED. SANITARY WASTE SHALL BE DISPOSED OF PER ALL FEDERAL, STATE, AND LOCAL REGULATIONS. SUCH OUTHOUSE SHALL BE HAVE PERIMETER PROTECTION IN CASE OF SPILL.
8. AFTER FINAL STABILIZATION HAS OCCURRED, AS DEFINED IN NPDES GENERAL PERMIT NO.2, CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL SILT FENCE, FILTER SOCKS, INLET PROTECTION, AND ALL OTHER TEMPORARY EROSION CONTROL MEASURES.
9. EROSION CONTROL MATTING SHALL BE USED WITHIN THE DRAINAGE SWALE GRADING AND ALL STEEP SLOPES (>4:1).

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**14-0204**

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**WEST BRANCH  
HIGH SCHOOL  
PHASE 1  
PARKING AND SITE  
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PHONE: (319) 338-7557 FAX: (319) 358-2937  
STATE OF IOWA, DEPARTMENT OF LABOR  
WORKFORCE NO. 0852735

OWNER/DEVELOPER:  
  
WEST BRANCH  
COMMUNITY SCHOOL DISTRICT  
148 N. OLIPHANT ST  
WEST BRANCH, IA 52358

ARCHITECT:  


TITLE:  
**C3.1  
PAVING PLAN**

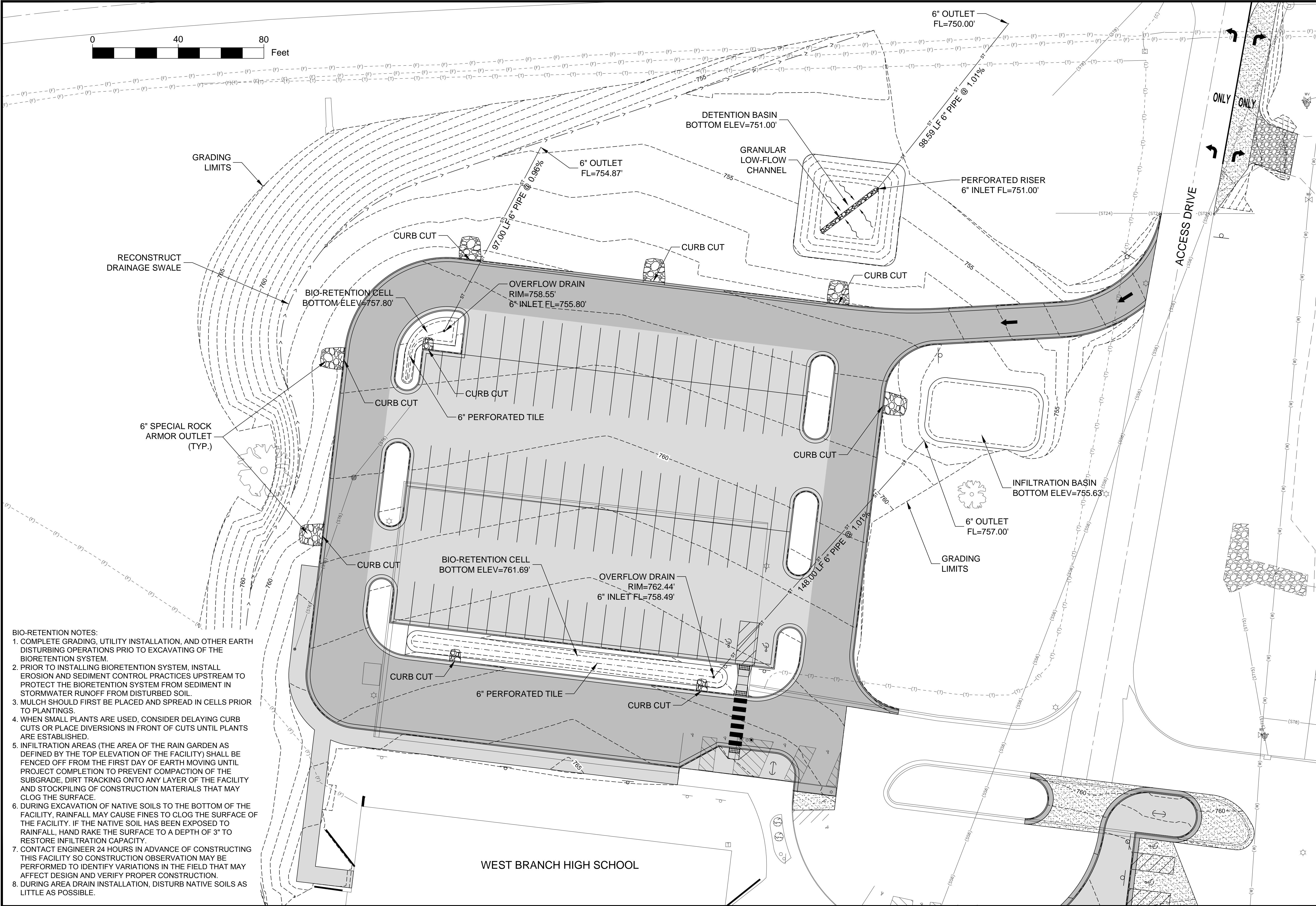
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- BIO-RETENTION NOTES:
1. COMPLETE GRADING, UTILITY INSTALLATION, AND OTHER EARTH DISTURBING OPERATIONS PRIOR TO EXCAVATING OF THE BIORETENTION SYSTEM.
  2. PRIOR TO INSTALLING BIORETENTION SYSTEM, INSTALL EROSION AND SEDIMENT CONTROL PRACTICES UPSTREAM TO PROTECT THE BIORETENTION SYSTEM FROM SEDIMENT IN STORMWATER RUNOFF FROM DISTURBED SOIL.
  3. MULCH SHOULD FIRST BE PLACED AND SPREAD IN CELLS PRIOR TO PLANTINGS.
  4. WHEN SMALL PLANTS ARE USED, CONSIDER DELAYING CURB CUTS OR PLACE DIVERSIONS IN FRONT OF CUTS UNTIL PLANTS ARE ESTABLISHED.
  5. INFILTRATION AREAS (THE AREA OF THE RAIN GARDEN AS DEFINED BY THE TOP ELEVATION OF THE FACILITY) SHALL BE FENCED OFF FROM THE FIRST DAY OF EARTH MOVING UNTIL PROJECT COMPLETION TO PREVENT COMPACTION OF THE SUBGRADE, DIRT TRACKING ONTO ANY LAYER OF THE FACILITY AND STOCKPIILING OF CONSTRUCTION MATERIALS THAT MAY CLOG THE SURFACE.
  6. DURING EXCAVATION OF NATIVE SOILS TO THE BOTTOM OF THE FACILITY, RAINFALL MAY CAUSE FINES TO CLOG THE SURFACE OF THE FACILITY. IF THE NATIVE SOIL HAS BEEN EXPOSED TO RAINFALL, HAND RAKE THE SURFACE TO A DEPTH OF 3" TO RESTORE INFILTRATION CAPACITY.
  7. CONTACT ENGINEER 24 HOURS IN ADVANCE OF CONSTRUCTING THIS FACILITY SO CONSTRUCTION OBSERVATION MAY BE PERFORMED TO IDENTIFY VARIATIONS IN THE FIELD THAT MAY AFFECT DESIGN AND VERIFY PROPER CONSTRUCTION.
  8. DURING AREA DRAIN INSTALLATION, DISTURB NATIVE SOILS AS LITTLE AS POSSIBLE.





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**14-0204**

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**WEST BRANCH  
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PHASE 1  
PARKING AND SITE  
IMPROVEMENTS**

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ENGINEER:  
**hbk  
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HBK ENGINEERING, LLC  
509 SOUTH GILBERT ST.  
IOWA CITY, IA 52240  
PHONE: (319) 338-7557 FAX: (319) 358-2937  
STATE OF IOWA, DEPARTMENT OF LABOR  
WORKFORCE NO. 06527328

OWNER/DEVELOPER:  
  
WEST BRANCH  
COMMUNITY SCHOOL DISTRICT  
148 N. OLIPHANT ST  
WEST BRANCH, IA 52358

ARCHITECT:  


TITLE:  
**C3.2  
STORMWATER  
MANAGEMENT**

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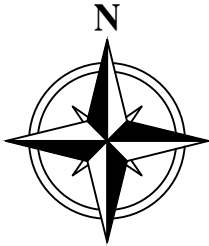
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LANDSCAPING NOTES:

1. ALL SODDING AND LANDSCAPE PLANTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE URBAN STANDARD SPECIFICATIONS, UNLESS SPECIFIED OTHERWISE.
2. ALL PLANT MATERIAL SHALL CONFORM TO THE 'AMERICAN STANDARD FOR NURSERY STOCK'.
3. CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR FROM THE DATE OF INSTALLATION.
4. IT IS THE CONTRACTORS RESPONSIBILITY TO REMOVE IDENTIFICATION TAGS AND CORDS ON ALL PLAT MATERIAL PRIOR TO THE COMPLETION OF THE CONTRACT.
5. CONTRACTOR SHALL PLACE SHREDDED HARDWOOD MULCH AROUND ALL TREES, SHRUBS, AND GROUND COVER BEDS TO A DEPTH OF 3 INCHES, UNLESS NOTED OTHERWISE.
6. THE LANDSCAPING CONTRACTOR SHALL HAVE ALL UTILITIES LOCATED BEFORE STARTING ANY SITE WORK OR PLANTING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES.
7. CONTRACTOR SHALL BE RESPONSIBLE MAINTAINING APPROPRIATE LEVEL OF WATERING FOR ALL NEW PLANTS FOR A PERIOD OF 30 DAYS.
8. ALL SEEDING SHALL BE HYDRO-SEEDED AND HYDRO-MULCHED. WOOD CELLULOSE HYDRAULIC MULCH WITH TACKIFIER SHALL BE APPLIED AT A RATE OF 2500 LBS/ACRE.
9. BIO-RETENTION CELL PLANTINGS SHALL INCLUDE GRASSES AS SHOWN IN PLANTING SCHEDULE AND LABELED ON PLAN. BLUE GRAMA TO BE INSTALLED AS OUTSIDE BORDER WITH LITTLE BLUESTEM INSTALLED INSIDE.

PLANT SCHEDULE						
CODE	QUANTITY	COMMON NAME	LATIN NAME	SIZE	ROOT	NOTES
GBP	4	PRINCETON SENTRY GINKO	GINKO BALBOA "PRINCETON SENTRY"	2.5" CAL	B&B	FRUITLESS MALE - ISLANDS AS NOTED ON PLANS
THL	4	THORNLESS HONELOCUST	GLEDITSIA TRICANTHOS VAR. INERMIS	2.5" CAL	B&B	ISLANDS AS NOTED ON PLANS
BG	150	BLUE GRAMA	BOUTELOUA GRACILIS	PLUGS		SOUTH BIO-RETENTION CELL
LBS	75	LITTLE BLUESTEM	SCHIZACHYRIUM SCOPARIUM	PLUGS		SOUTH BIO-RETENTION CELL
BG	18	BLUE GRAMA	BOUTELOUA GRACILIS	PLUGS		NW BIO-RETENTION CELL
LBS	18	LITTLE BLUESTEM	SCHIZACHYRIUM SCOPARIUM	PLUGS		NW BIO-RETENTION CELL
BG	48	BLUE GRAMA	BOUTELOUA GRACILIS	PLUGS		ISLANDS AS NOTED ON PLANS



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WEST BRANCH  
COMMUNITY SCHOOL DISTRICT  
148 N. OLIPHANT ST  
WEST BRANCH, IA 52358

ARCHITECT:

**STRUXTURE**  
ARCHITECTS

TITLE:

**C3.3  
SITE RESTORATION  
& LANDSCAPING PLAN**

REVISIONS

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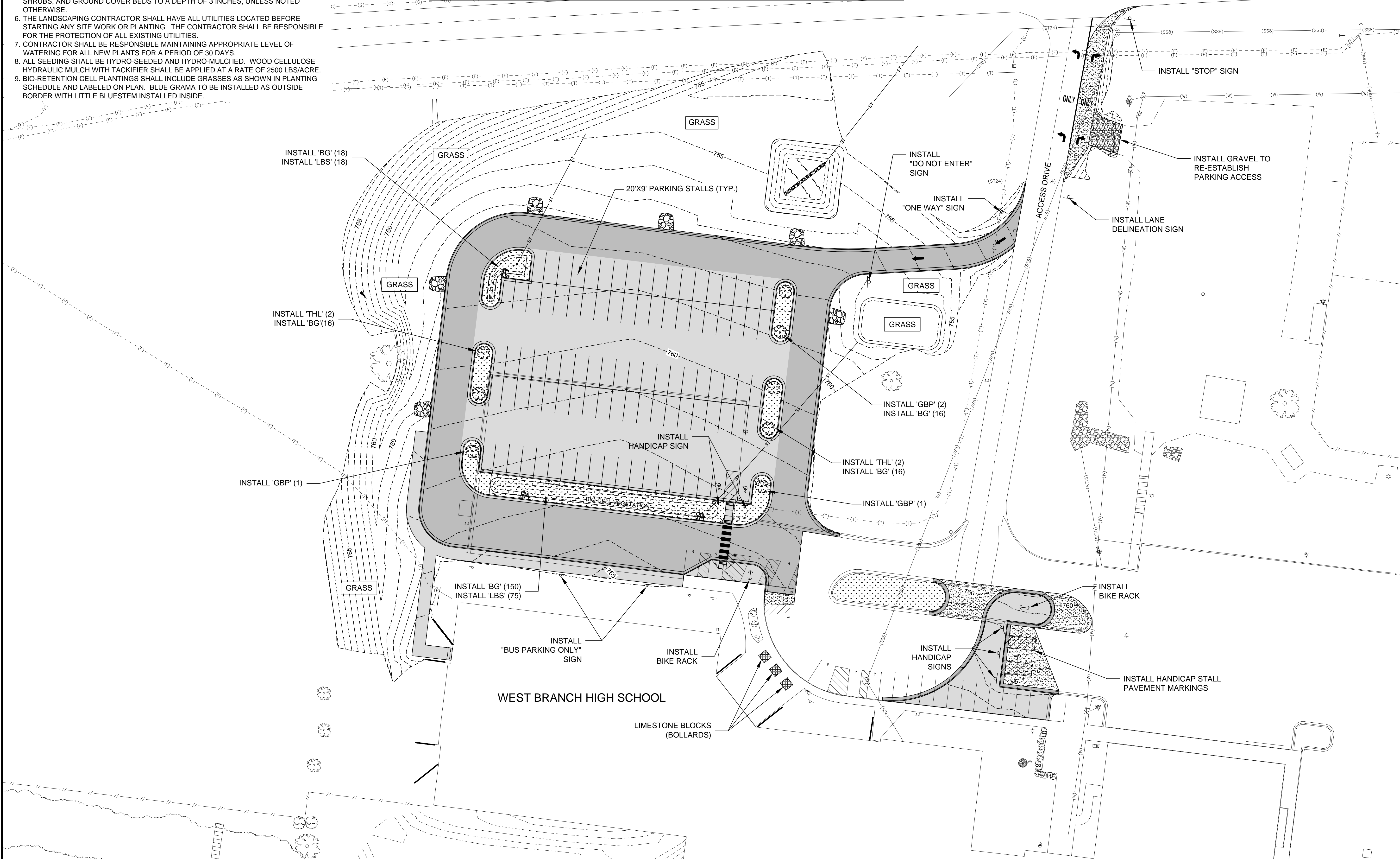
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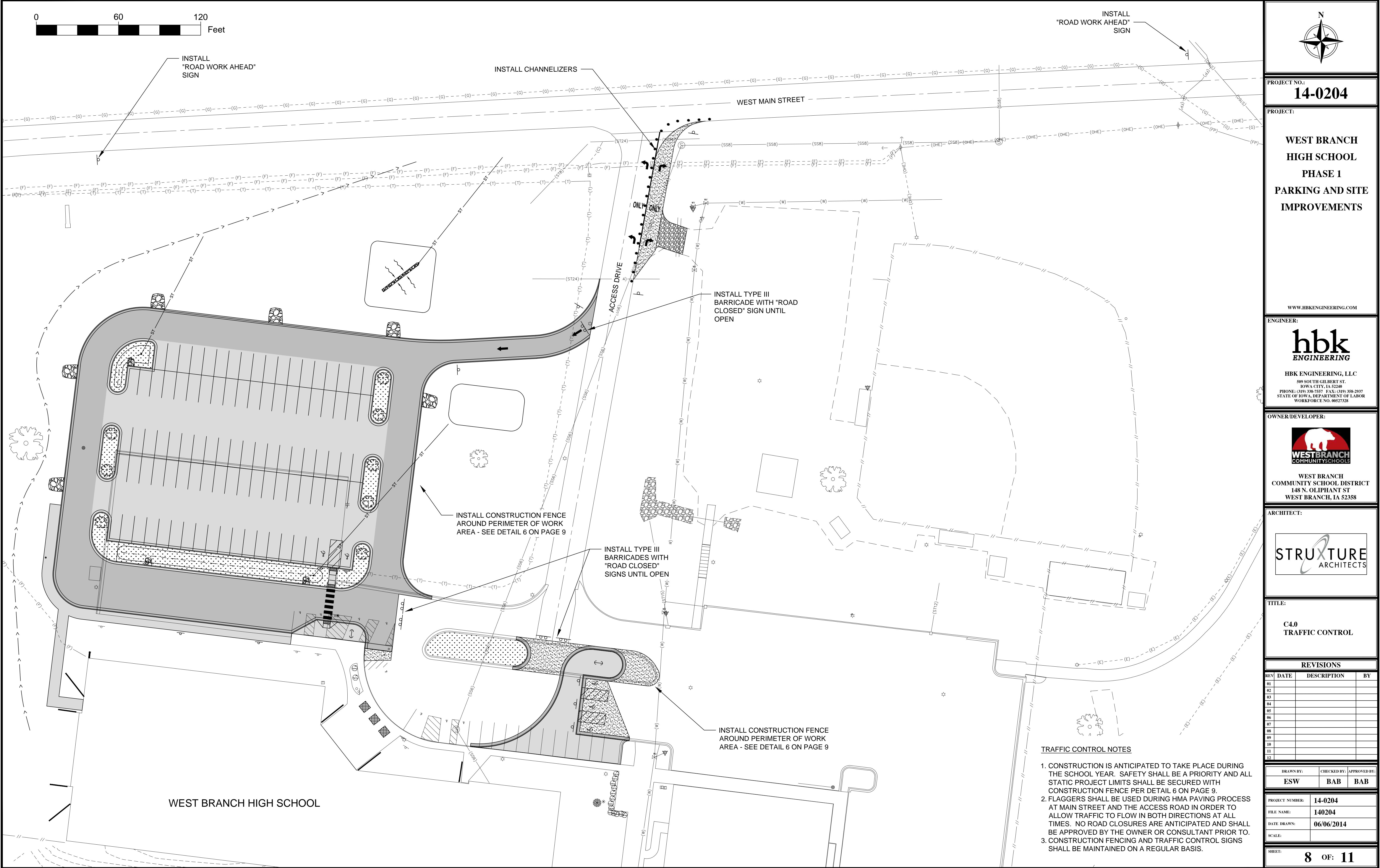
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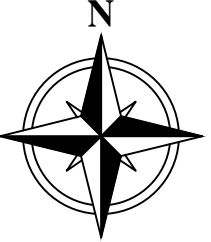
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ARCHITECT:  
  
**STRUXTURE  
ARCHITECTS**

TITLE:  
**C4.0  
TRAFFIC CONTROL**

REVISIONS

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**8 OF 11**

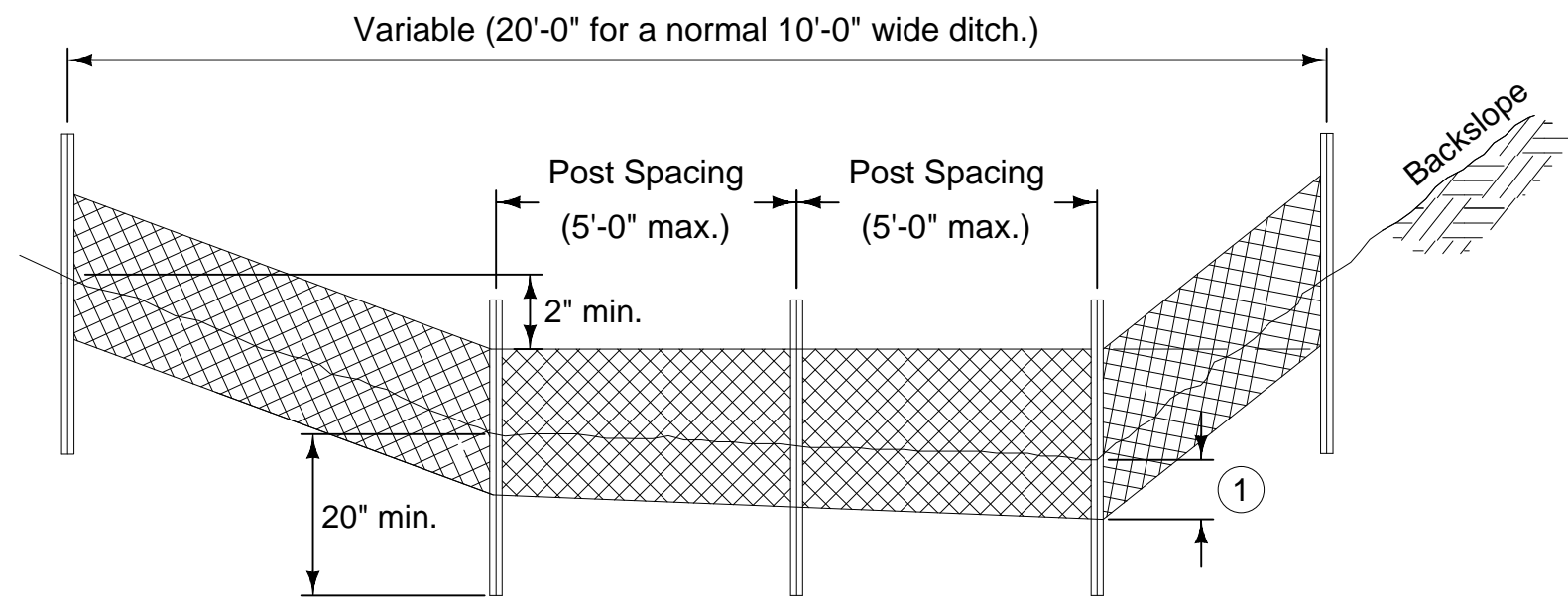
TRAFFIC CONTROL NOTES

1. CONSTRUCTION IS ANTICIPATED TO TAKE PLACE DURING THE SCHOOL YEAR. SAFETY SHALL BE A PRIORITY AND ALL STATIC PROJECT LIMITS SHALL BE SECURED WITH CONSTRUCTION FENCE PER DETAIL 6 ON PAGE 9.

2. FLAGGERS SHALL BE USED DURING HMA PAVING PROCESS AT MAIN STREET AND THE ACCESS ROAD IN ORDER TO ALLOW TRAFFIC TO FLOW IN BOTH DIRECTIONS AT ALL TIMES. NO ROAD CLOSURES ARE ANTICIPATED AND SHALL BE APPROVED BY THE OWNER OR CONSULTANT PRIOR TO.

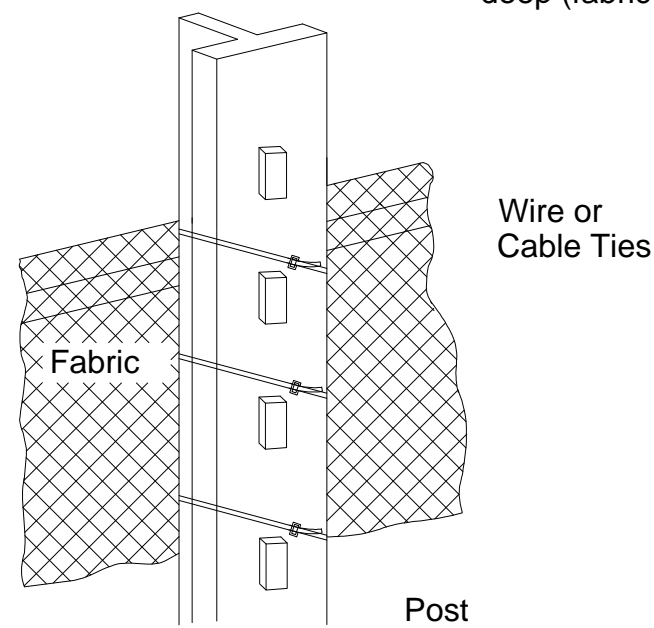
3. CONSTRUCTION FENCING AND TRAFFIC CONTROL SIGNS SHALL BE MAINTAINED ON A REGULAR BASIS.



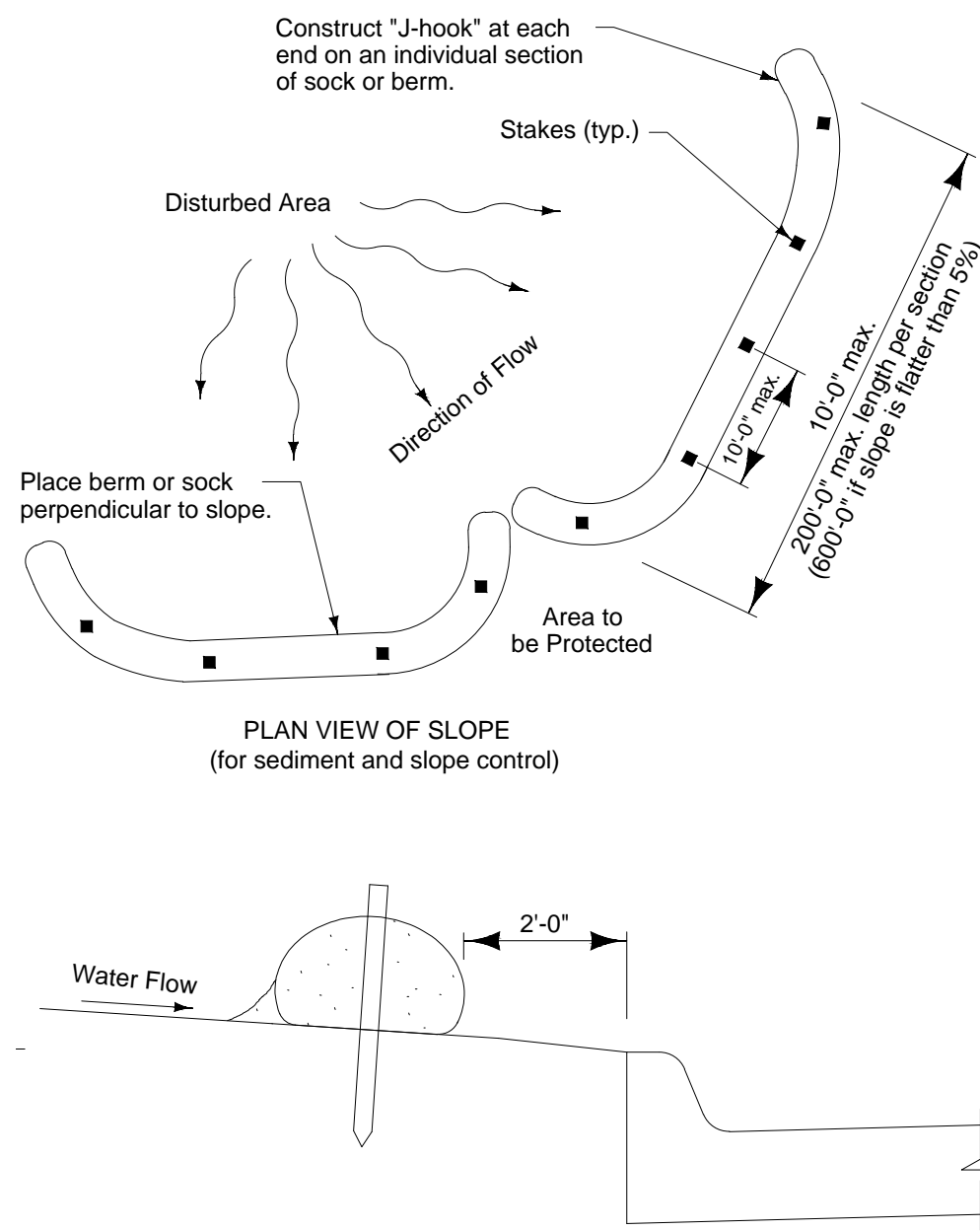


TYPICAL SILT FENCE DITCH CHECK

- ① Insert 12 inches of fabric a minimum of 6 inches deep (fabric may be folded below the ground line).

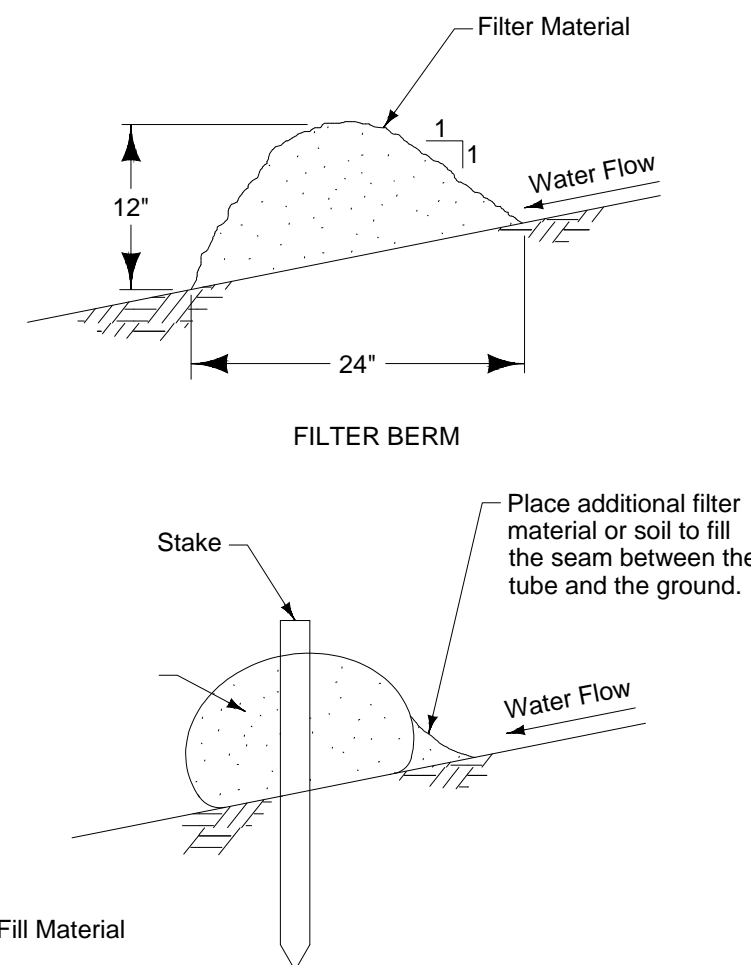


## 1 SILT FENCE



TYPICAL PLACEMENT OF BERM OR SOCK

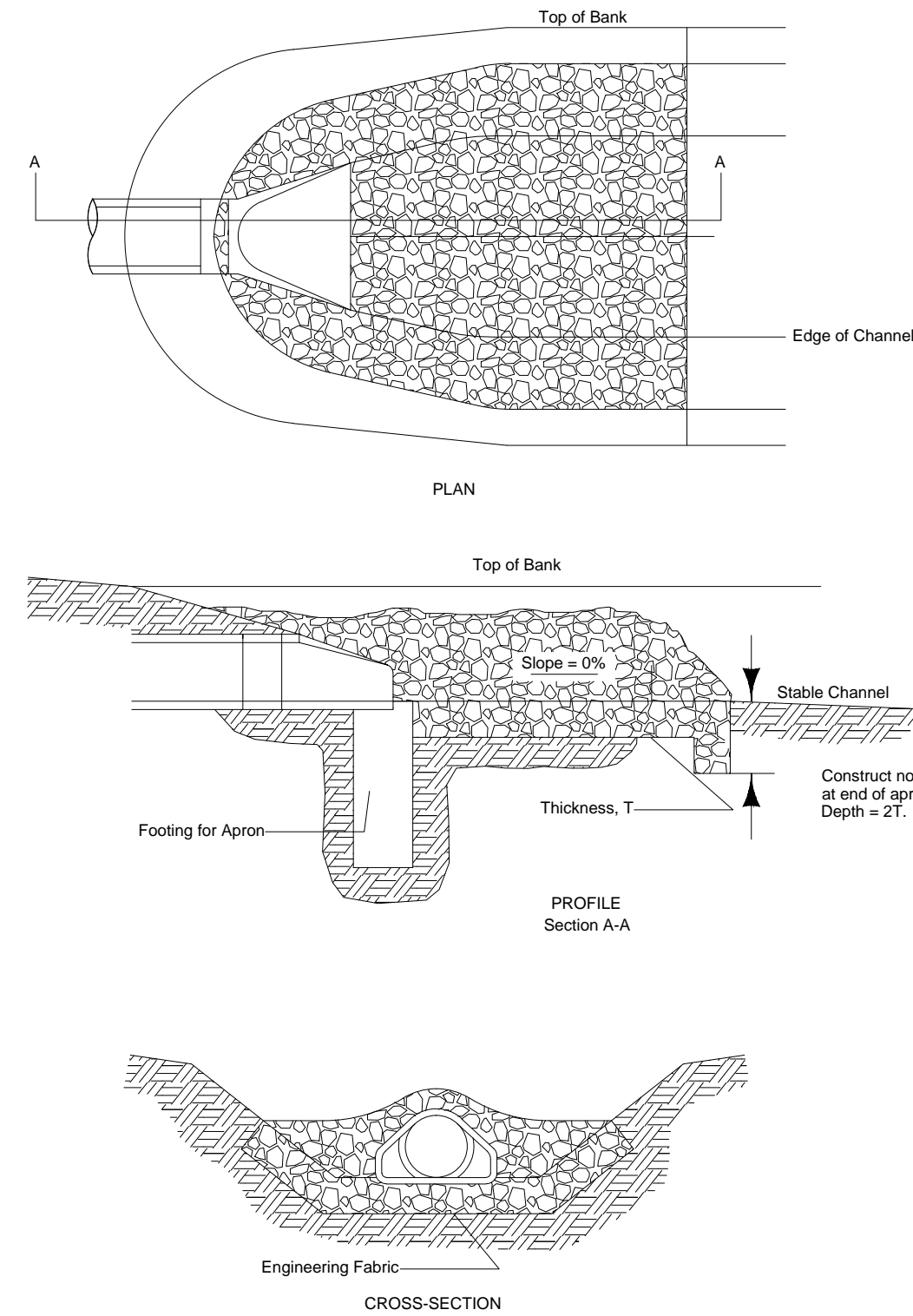
## 2 FILTER SOCK



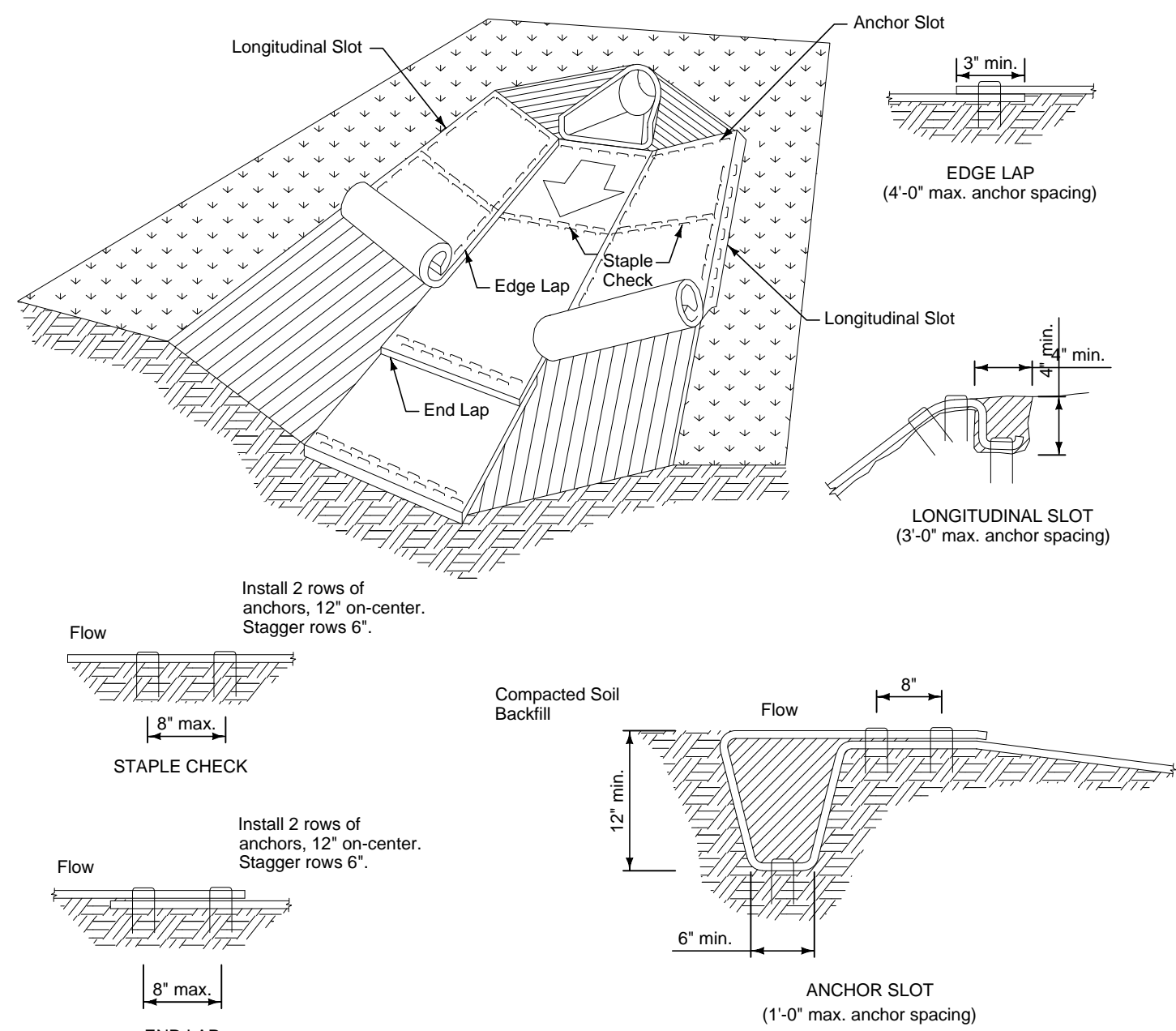
Berm shown is typical for slopes flatter than 3:1. For steeper slopes, increase berm size as directed by the Engineer.

Place berm in uncompacted windrow perpendicular to the slope at locations specified in the contract documents.

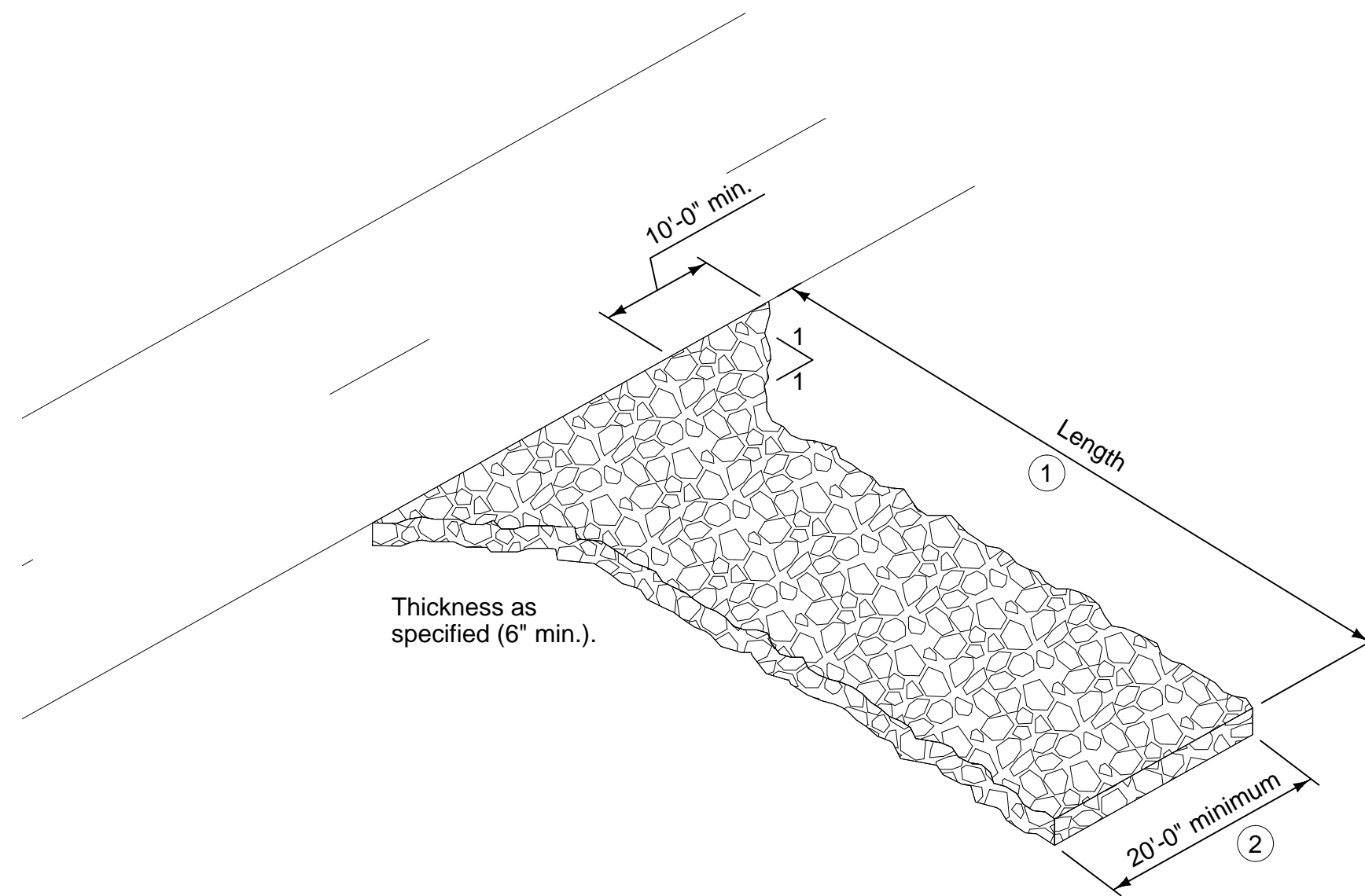
Filter sock diameter as specified in the contract documents.



## 3 REVETMENT INSTALLATION

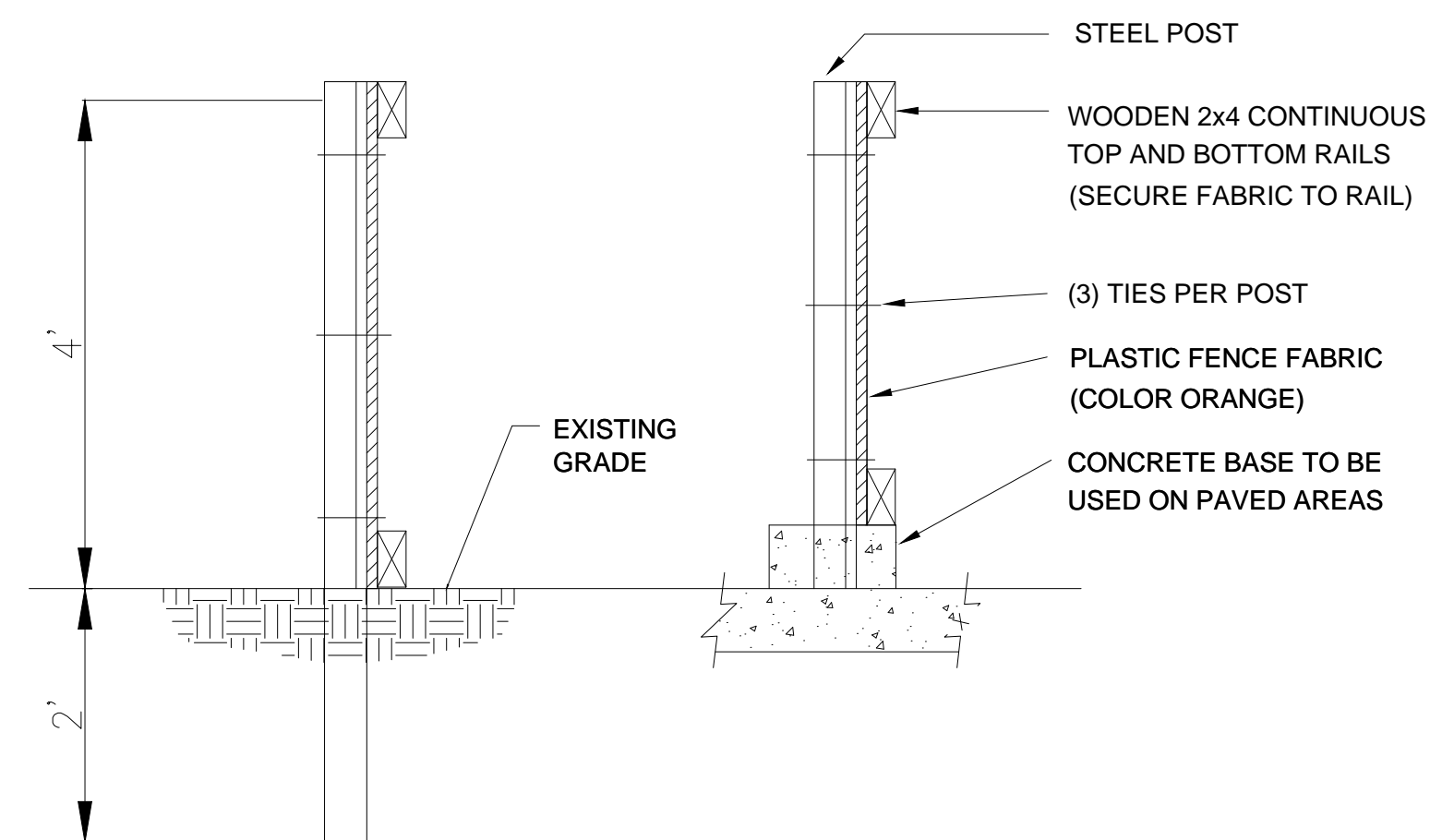


## 4 EROSION CONTROL MAT

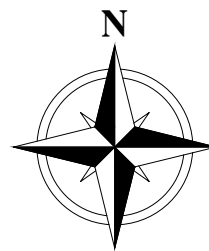


- ① Entrance length: 50 foot minimum (30 foot for single family residential), or as specified in the contract documents. Length of entrance may be increased if sediment track-out occurs.

## 5 ROCK ACCESS



## 6 CONSTRUCTION FENCE



PROJECT NO.:  
**14-0204**

PROJECT:  
**WEST BRANCH  
HIGH SCHOOL  
PHASE 1  
PARKING AND SITE  
IMPROVEMENTS**

WWW.HBKENGINEERING.COM

ENGINEER:

**hbk  
ENGINEERING**

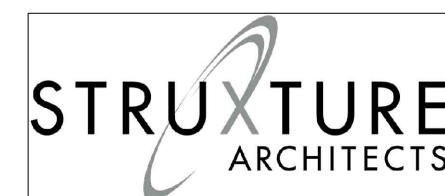
HBK ENGINEERING, LLC  
509 SOUTH GILBERT ST.  
IOWA CITY, IA 52240  
PHONE: (319) 338-7557 FAX: (319) 358-2937  
STATE OF IOWA, DEPARTMENT OF LABOR  
WORKFORCE NO. 0857335

OWNER/DEVELOPER:



WEST BRANCH  
COMMUNITY SCHOOL DISTRICT  
148 N. OLIPHANT ST  
WEST BRANCH, IA 52358

ARCHITECT:



TITLE:

**C5.0  
DETAILS**

REVISIONS

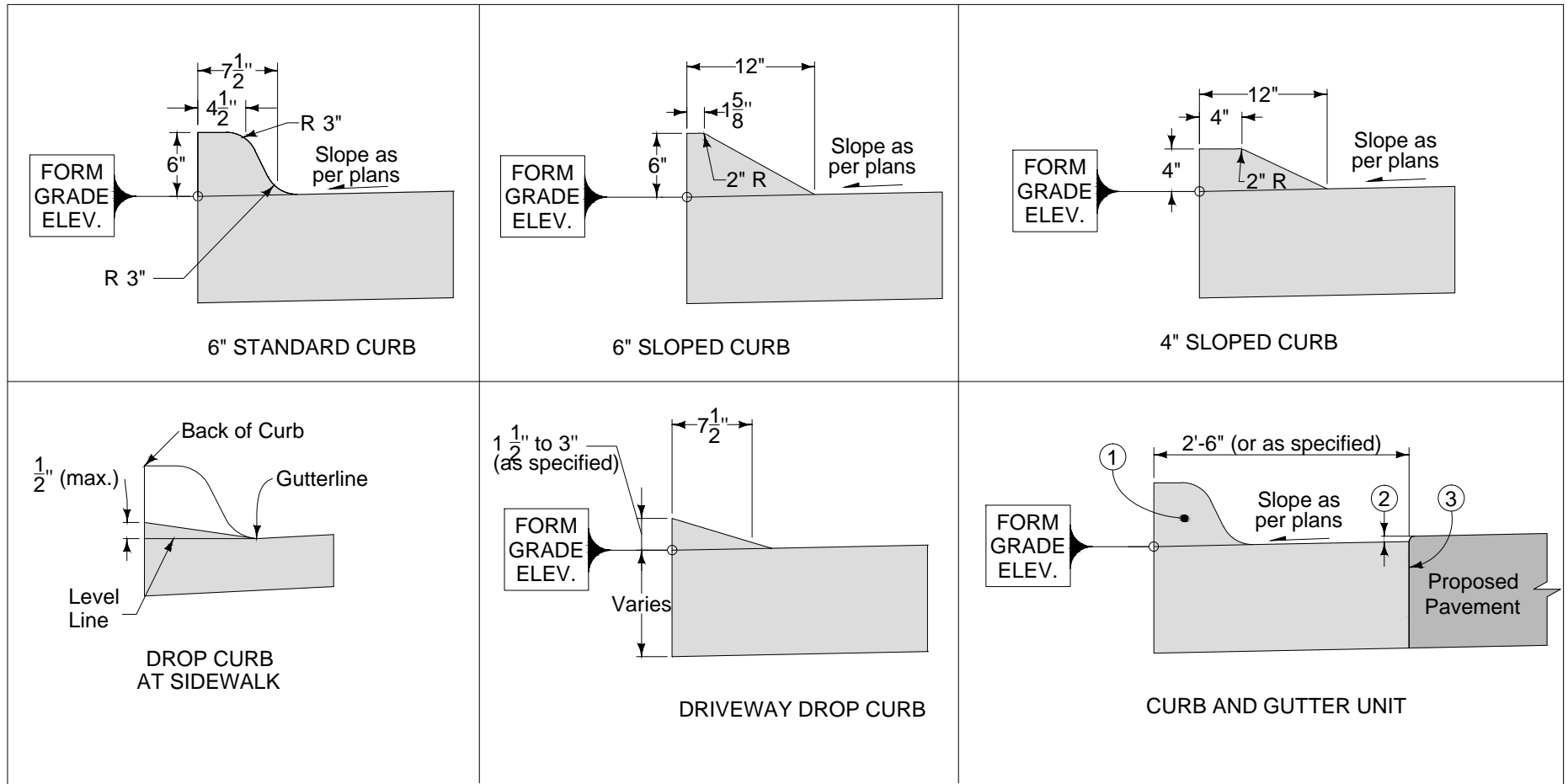
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ESW	BAB	BAB

PROJECT NUMBER:	14-0204
FILE NAME:	140204
DATE DRAWN:	06/06/2014
SCALE:	NTS

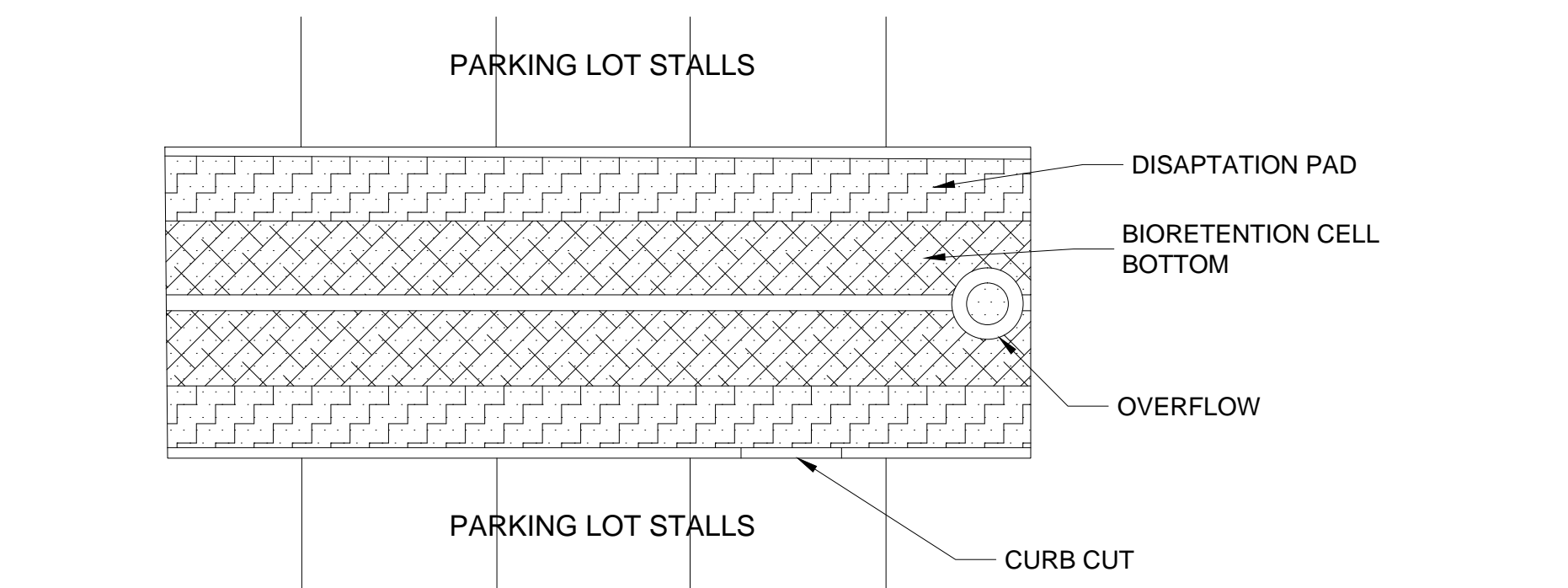
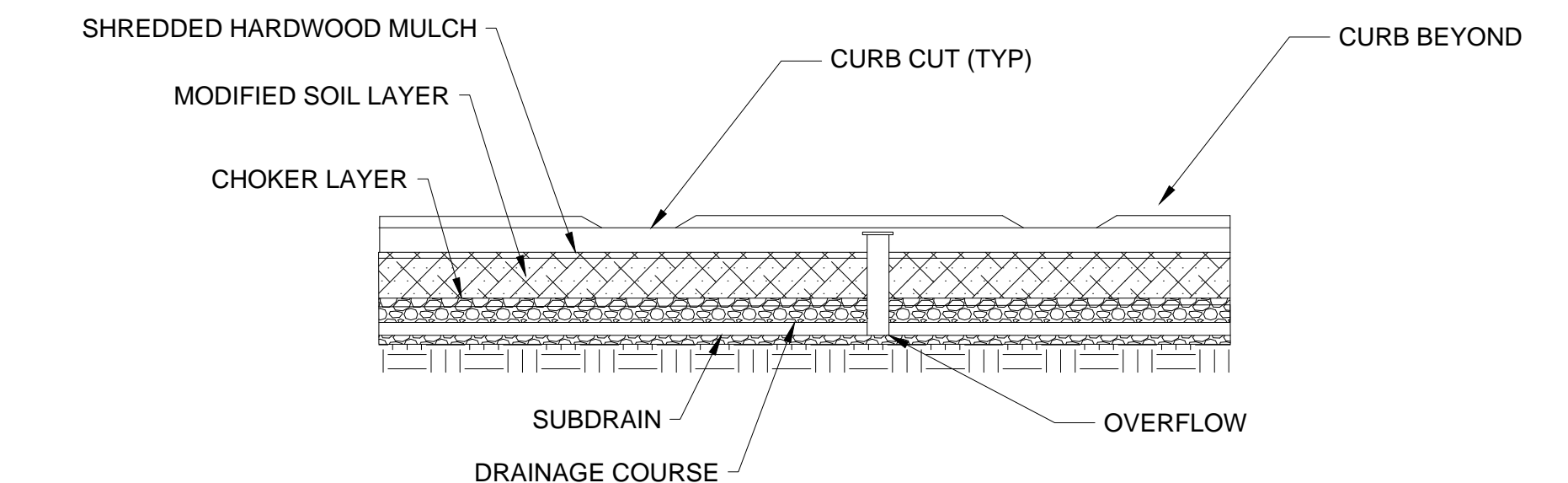
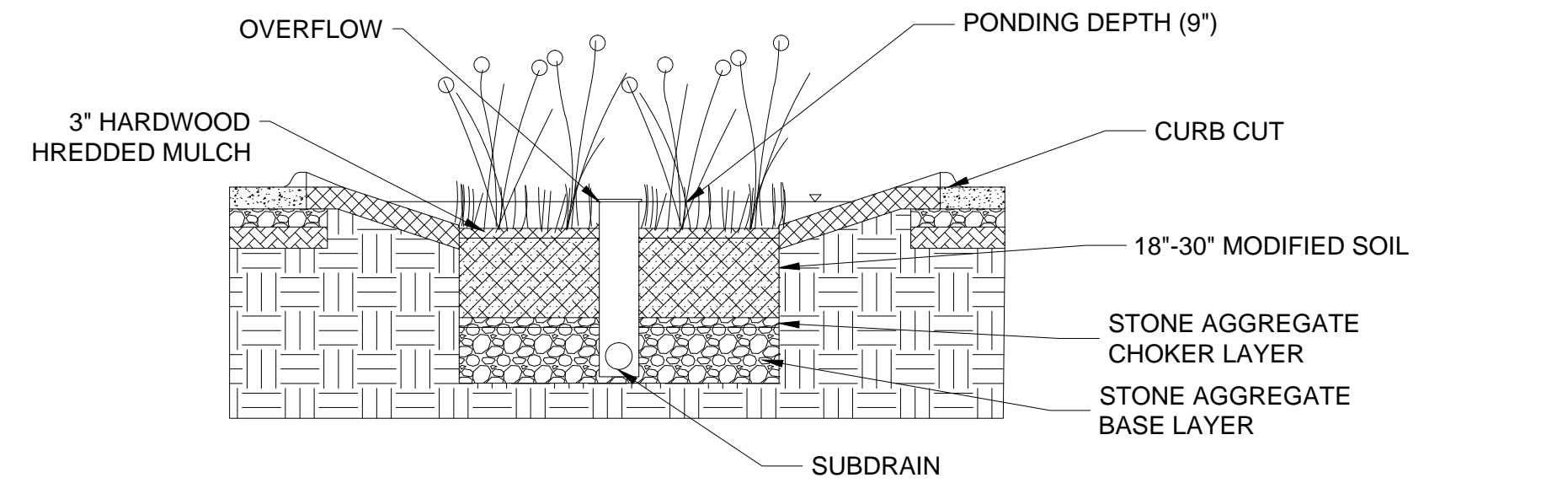
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**9 OF: 11**



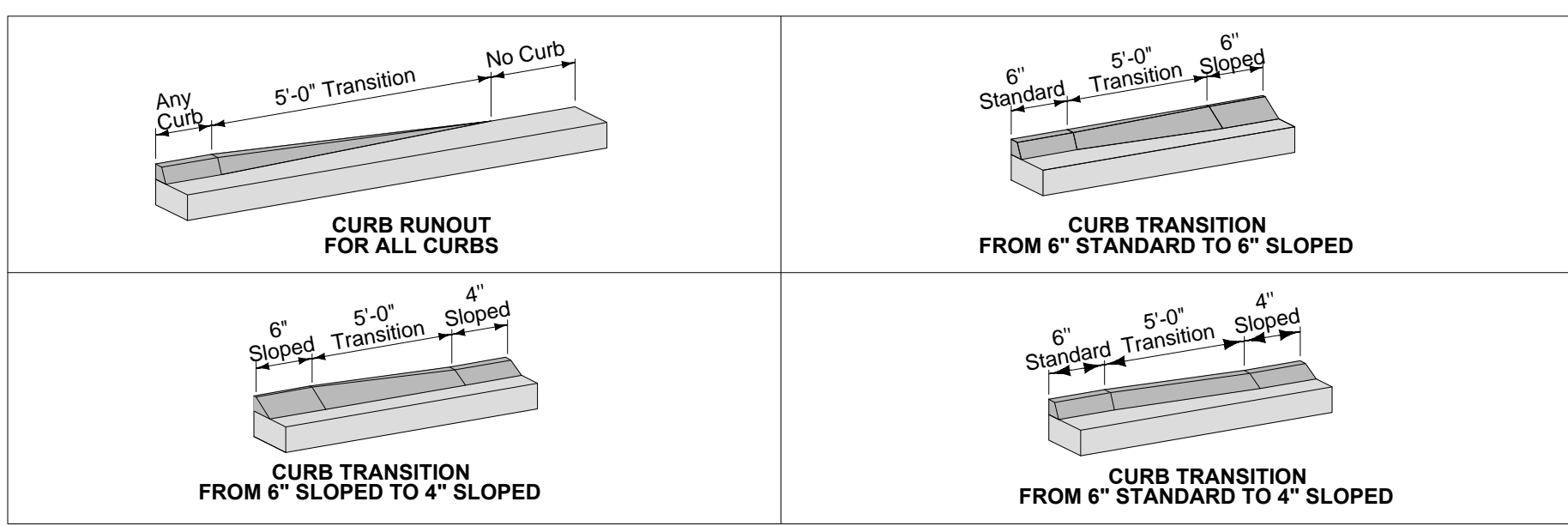
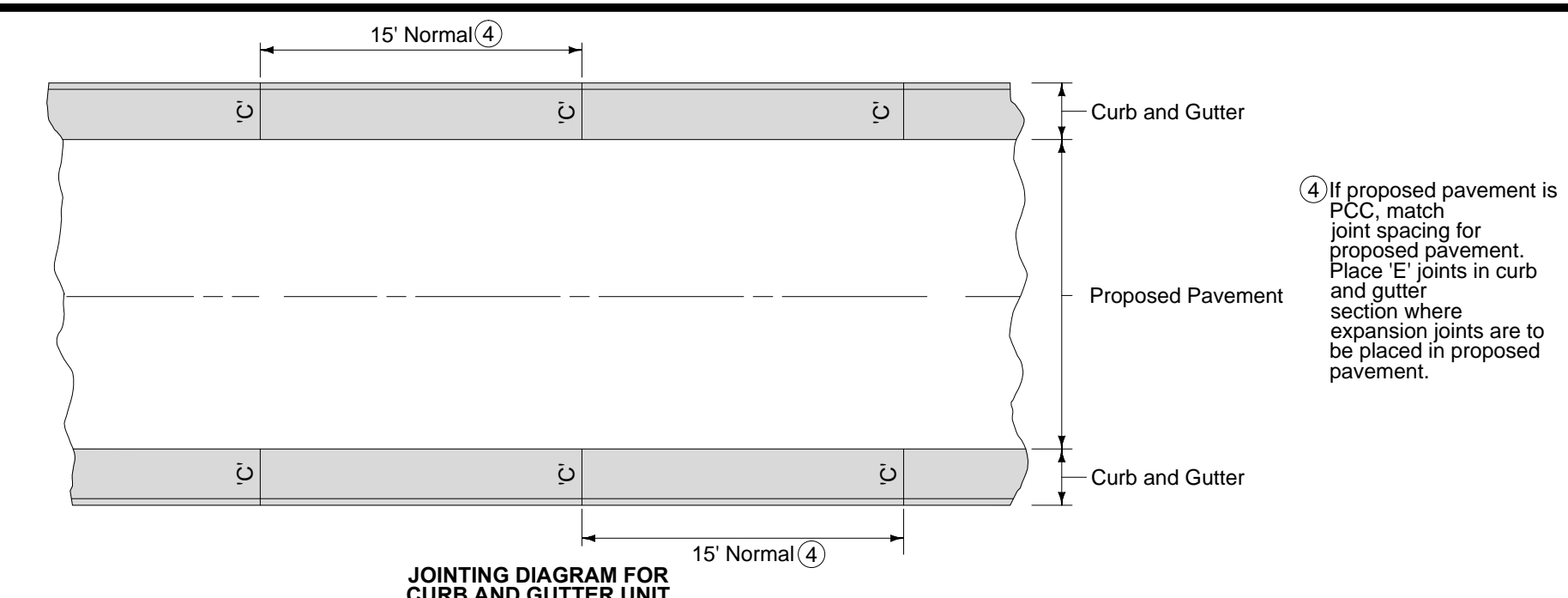


- ① 6" Standard Curb, 6" Sloped Curb, or 4" Sloped Curb as specified.
- ②  $\frac{1}{8}$ " if Proposed Pavement is HMA. No elevation difference if Proposed Pavement is PCC.
- ③ 'BT', 'KT', or 'L' joint if Proposed Pavement is PCC. 'B' joint if Proposed Pavement is PCC.

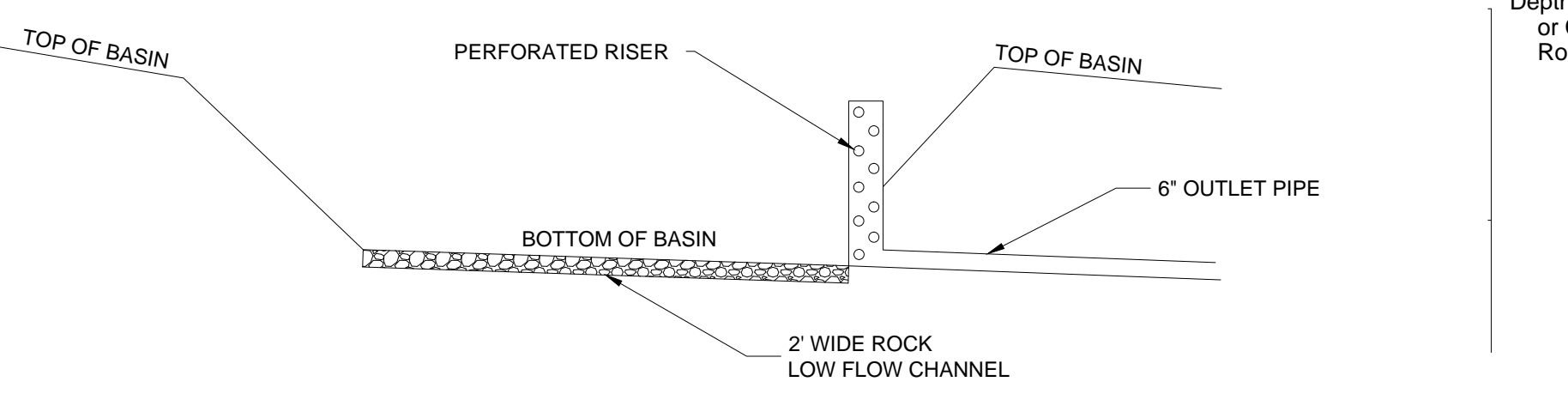
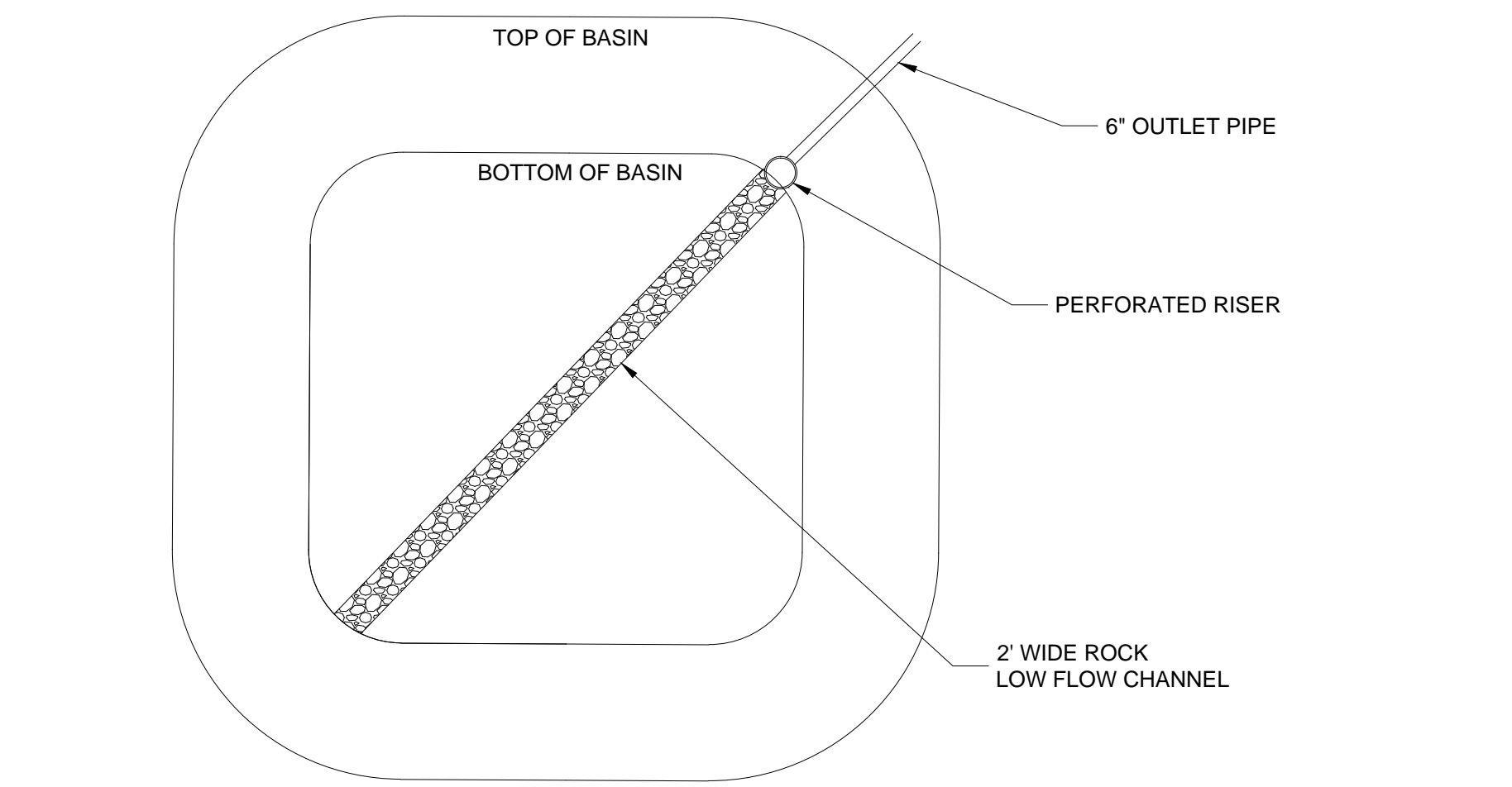
7 PCC CURB



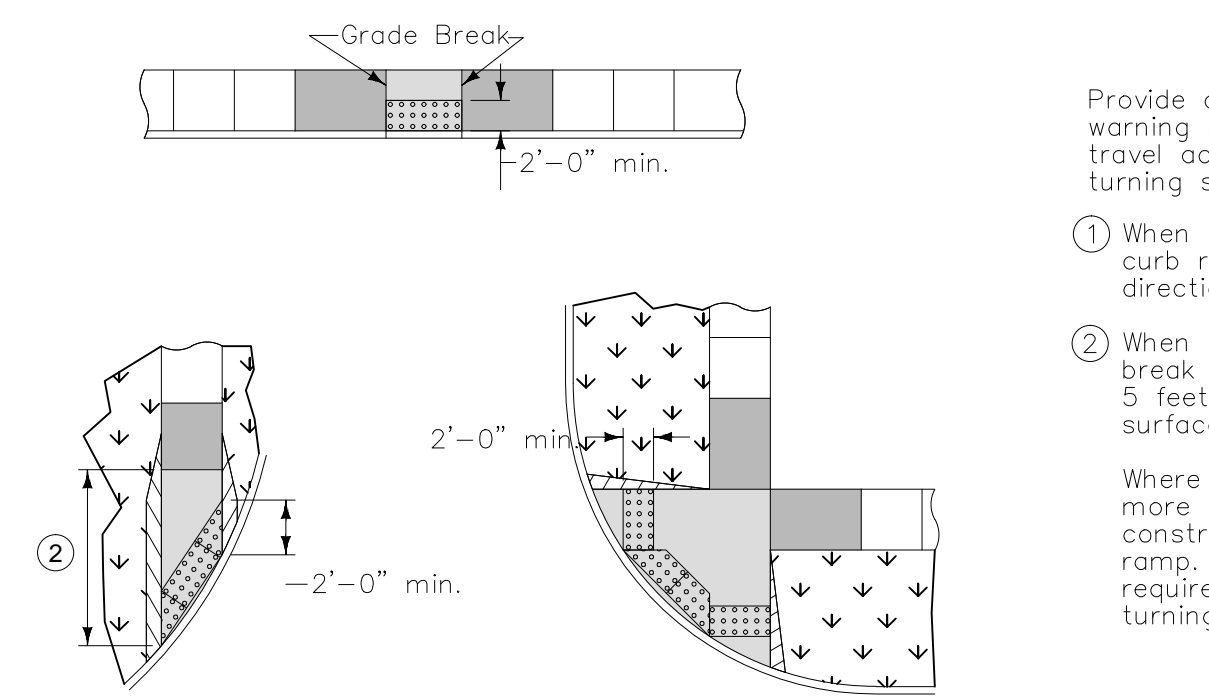
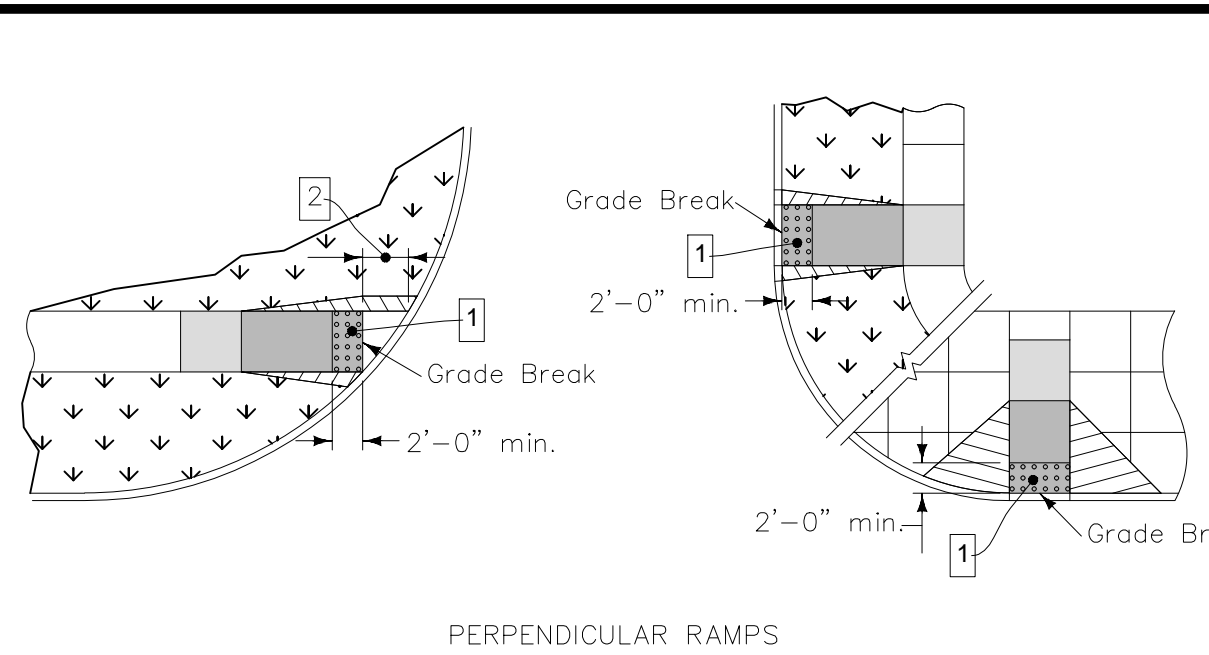
10 BIO-RETENTION CELL



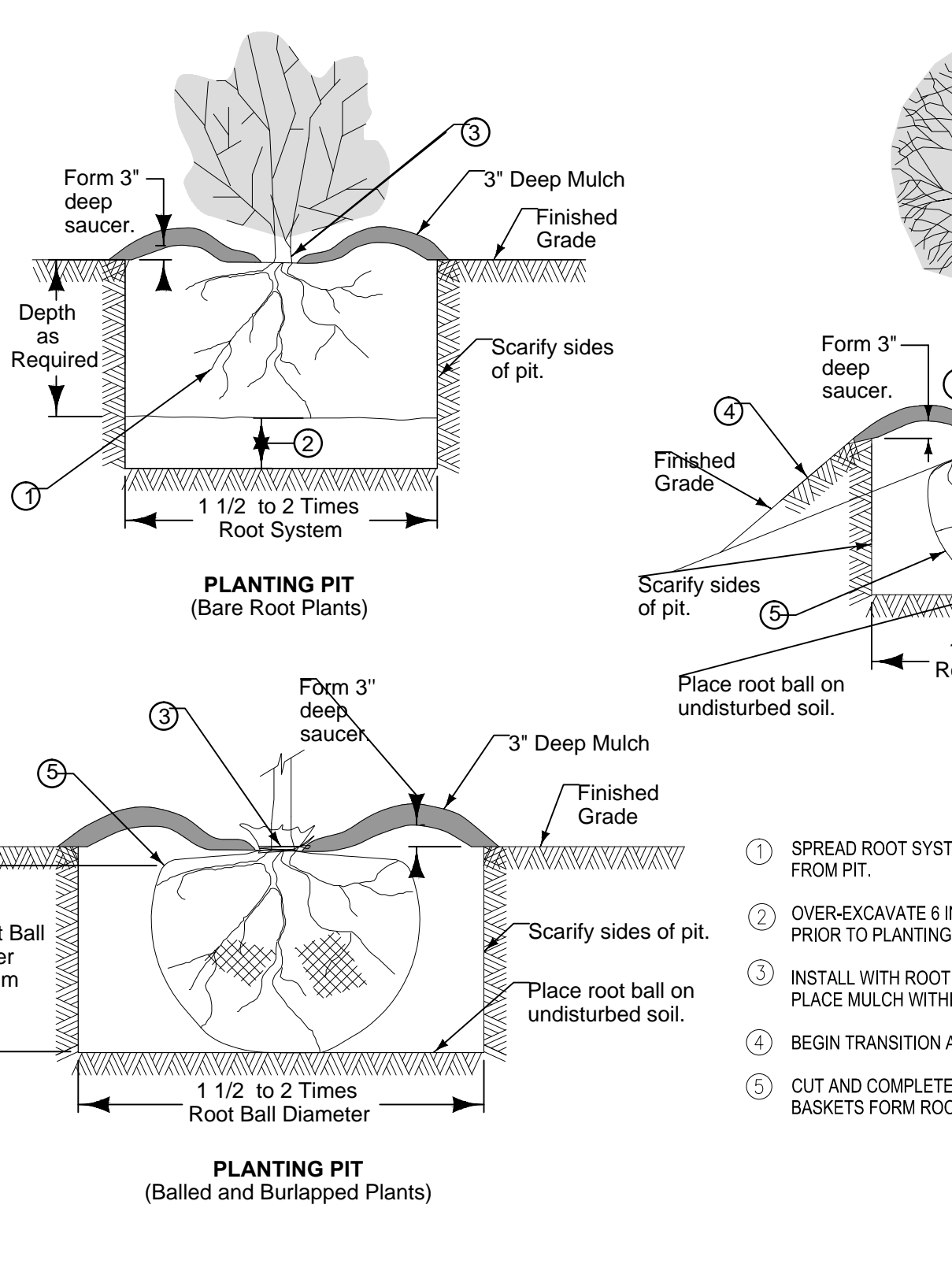
8 PCC CURB



11 DETENTION BASIN



9 ADA CURB RAMP



12 TREE PLANTINGS

N

PROJECT NO:

14-0204

PROJECT:

WEST BRANCH  
HIGH SCHOOL  
PHASE 1  
PARKING AND SITE  
IMPROVEMENTS

WWW.HBKENGINEERING.COM

ENGINEER:

hbk  
ENGINEERING

HBK ENGINEERING, LLC  
509 SOUTH GILBERT ST.  
IOWA CITY, IA 52240  
PHONE: (319) 338-7557 FAX: (319) 358-2937  
STATE OF IOWA, DEPARTMENT OF LABOR  
WORKFORD NO. 0657328

OWNER/DEVELOPER:

WEST BRANCH  
COMMUNITY SCHOOL DISTRICT  
148 N. OLIPHANT ST  
WEST BRANCH, IA 52358

ARCHITECT:

STRUXTURE  
ARCHITECTS

TITLE:

C5.1  
DETAILS

REVISIONS

REV	DATE	DESCRIPTION	BY
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DRAWN BY:

ESW

CHECKED BY:

BAB

APPROVED BY:

BAB

PROJECT NUMBER:

14-0204

FILE NAME:

140204

DATE DRAWN:

06/06/2014

SCALE:

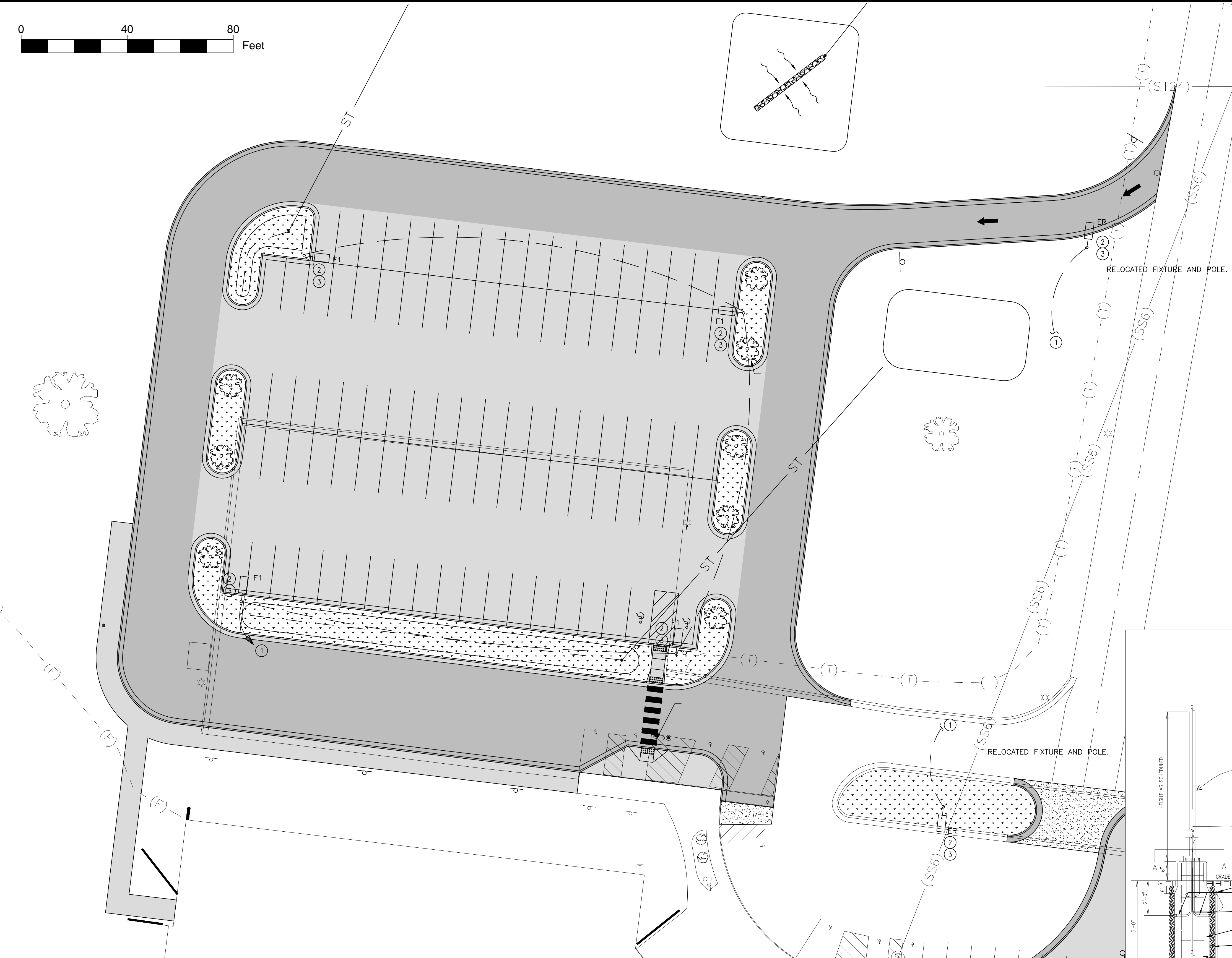
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SHEET:

10 OF: 11

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ELECTRICAL GENERAL NOTES

1. THE ENTIRE PROJECT SHALL COMPLY WITH THE CURRENT ISSUE OF THE NATIONAL ELECTRIC CODE (NEC), INCLUDING AMENDMENTS, AND WITH ALL STATE, LOCAL, AND OTHER CODES AS APPLICABLE. THE CURRENT ISSUE SHALL BE THE ISSUE THAT IS IN EFFECT WHEN THE CONSTRUCTION PERMITS ARE SECURED FOR THE WORK. THE INTERPRETATIONS AND DECISIONS OF THE AUTHORITY HAVING JURISDICTION OF APPLICABLE CODES SHALL GOVERN.
2. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED STATE AND LOCAL PERMITS AND ASSOCIATED FEES.
3. NOTE THAT THE ELECTRICAL DRAWINGS ARE ONLY A PORTION OF THE COMPLETE SET OF PLANS. THE COMPLETE SET OF PLANS SHALL BE USED TO DEFINE THE ELECTRICAL WORK. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, USING THE ARCHITECTURAL PLANS FOR DIMENSIONS AND DETAILS; EQUIPMENT PLANS FOR ROUGH-IN REQUIREMENTS; AND THE MECHANICAL PLANS FOR EQUIPMENT SIZES AND LOCATIONS. COORDINATE ALL WIRING DEVICE LOCATIONS AND ELEVATIONS INDICATED ON PLANS WITH THE OWNER, ARCHITECT AND FINAL FURNITURE/EQUIPMENT LAYOUTS.
4. COORDINATE LOCATION/INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION WITH ALL TRADES ASSOCIATED WITH THE INSTALLATION HAS TRANSPIRED. ITEMS TO BE COORDINATED SHALL INCLUDE BUT NOT BE LIMITED TO: BUILDING STRUCTURE, SHEET METAL, ALL PIPING SYSTEMS, LIGHT FIXTURES, CONDUITS, CABLE TRAYS, ETC. REFER TO ALL GENERAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
5. RACEWAYS AND BOXES ARE SHOWN DIAGRAMMATICALLY ONLY AND INDICATE THE GENERAL AND APPROXIMATE LOCATION. THE LAYOUT DOES NOT SHOW THE TOTAL NUMBER OF RACEWAYS OR BOXES FOR THE CIRCUITS REQUIRED, NOR ARE THE LOCATIONS OF INDICATED RUNS INTENDED TO SHOW THE ACTUAL ROUTING OF THE RACEWAYS.
6. ALL CONDUCTOR SIZES ARE BASED ON COPPER UNLESS OTHERWISE NOTED.

ELECTRICAL SYMBOLS

- POLE MOUNTED FIXTURE
- CONDUIT CONCEALED IN CEILING OR WALL CONSTRUCTION
- CONDUIT CONCEALED IN FLOOR CONSTRUCTION OR UNDERGROUND
- NOTE REFERENCE

ELECTRICAL ABBREVIATIONS

- EC ELECTRICAL CONTRACTOR
- ER NEW LOCATION OF EXISTING ITEM

GENERAL NOTE:

1. REMOVE EXISTING LIGHT POLES AS INDICATED ON CIVIL DEMOLITION PLAN.

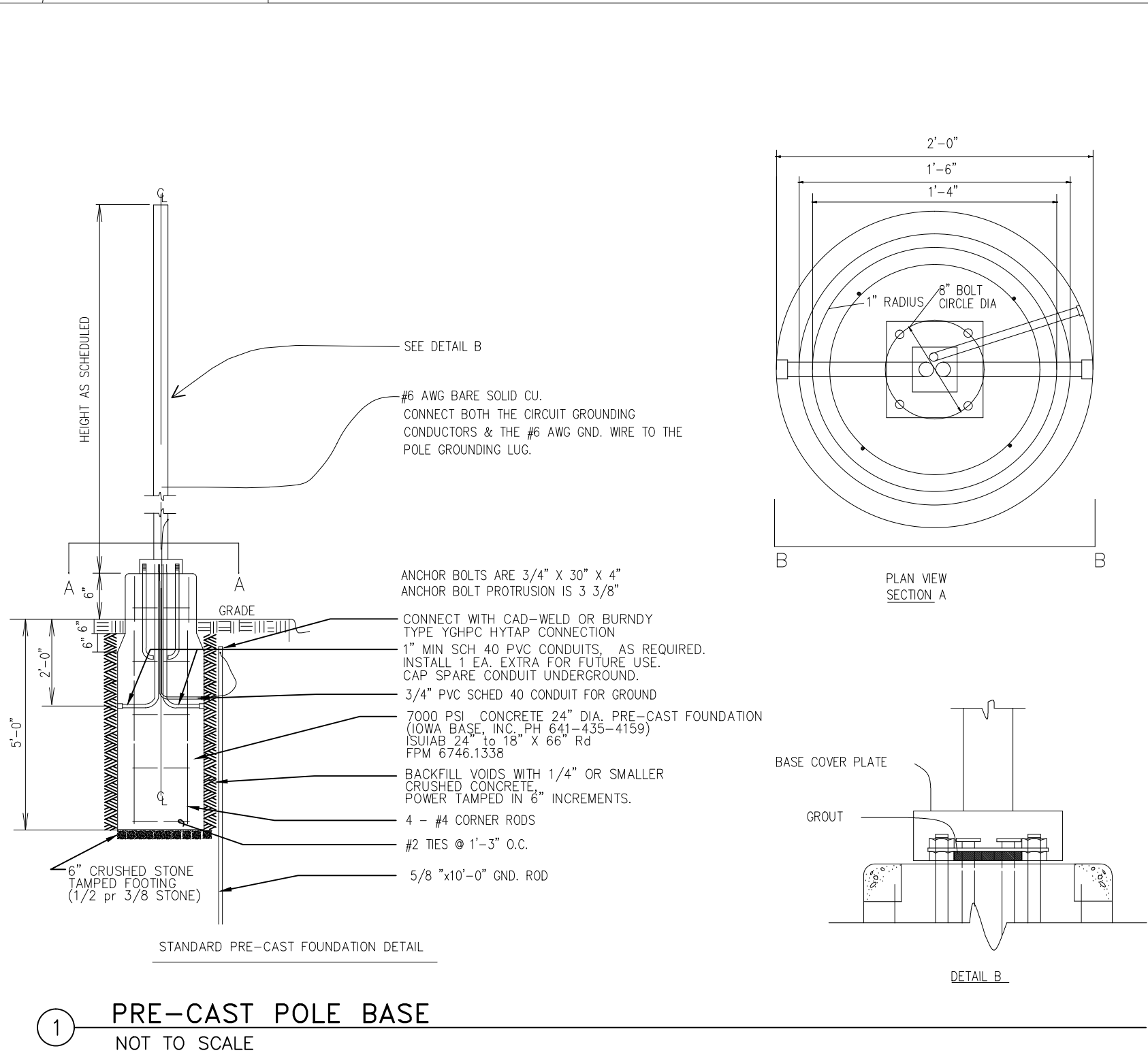
KEYED NOTES:

1. EXTEND AND CONNECT TO EXISTING PARKING LOT LIGHTING CIRCUIT FROM PREVIOUS LOCATION. PROVIDE IN-GRADE HAND HOLE WHERE REQUIRED FOR CIRCUIT EXTENSION. NEW WIRE SHALL BE #8 IN 3/4" CONDUIT.
2. REFER TO DETAIL 1 FOR POLE BASE DETAIL.
3. SET POLE +3'-0" FROM CURB.

LUMINAIRE SCHEDULE										
TYPE	MANUFACTURER	MODEL NUMBER	DESCRIPTION	DIMENSIONS	LAMP		BALLAST	FIXTURE LOAD	FIXTURE VOLTS	APPROVED EQUALS
					TYPE	QUANTITY				
F1	LEOTEK	AR13-10M-MV-NW-5-BK-530-PCR	ARIETA GENERAL AREA LUMINAIRE. 10 LEDS DRIVEN AT 530mA AT 4,000K CCT. MINIMUM DELIVERED LUMENS OF 7,300. MINIMUM 70 CRI. DIE CAST ALUMINUM HOUSING WITH UNIVERSAL MOUNTING DESIGN. PROVIDE WITH PHOTO CONTROL. MOUNT AT +30' TO STANDARD 5" SQUARE STEEL POLE. MOUNT POLE TO PRECAST CONCRETE BASE.	13" X 25.5"	LED	10 LEDS	LED DRIVER 530mA AT 4,000K CCT	65	120 / 277	CREE EDGE SERIES, LITHONIA D SERIES OR AS APPROVED BY ENGINEER

GENERAL NOTES:

1. REFER TO ARCHITECTURAL DOCUMENTS FOR EXACT MOUNTING LOCATIONS, DETAILS, AND CONFIGURATIONS OF ALL LUMINAIRES. IF ARCHITECTURAL DRAWINGS DO NOT CLARIFY EXACT MOUNTING LOCATION OR DETAIL, CONTRACTOR SHALL ISSUE AN RFI FOR ARCHITECT TO SPECIFICALLY CLARIFY PRIOR TO FIXTURE ROUGH-IN.
2. VERIFY COMPATIBILITY OF LIGHT FIXTURES WITH CEILING MATERIAL, ADJACENT CONSTRUCTION, AND ADJACENT FINISHES PRIOR TO SHOP DRAWINGS SUBMITTAL AND NOTIFY THE ARCHITECT OF ANY CONFLICTS WITH THE PROPOSED INSTALLATION.
3. CONTRACTOR IS RESPONSIBLE FOR ALL MISCELLANEOUS HARDWARE NECESSARY TO INSTALL AND SUPPORT THE LUMINAIRES.



1 PRE-CAST POLE BASE  
NOT TO SCALE

PROJECT NO.:  
**14-0204**

PROJECT:  
**WEST BRANCH  
HIGH SCHOOL  
PHASE 1  
PARKING AND SITE  
IMPROVEMENTS**

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ENGINEER:

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218 1/2 5th St.  
West Des Moines, Iowa 50266  
info@kclengineering.com  
515.724.7938

OWNER/DEVELOPER:

**WEST BRANCH  
COMMUNITYSCHOOLS**  
WEST BRANCH  
COMMUNITY SCHOOL DISTRICT  
148 N. OLIPHANT ST  
WEST BRANCH, IA 52358

ARCHITECT:

**STRUXTURE  
ARCHITECTS**

TITLE:

**E1.0  
ELECTRICAL  
SITE PLAN**

REVISIONS

REV	DATE	DESCRIPTION	BY
01			
02			
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DRAWN BY:	CHECKED BY:	APPROVED BY:
JL	JD	JD

PROJECT NUMBER: **14-0204**

FILE NAME: **140204**

DATE DRAWN: **6-10-14**

SCALE:

SHEET: **11 OF 11**