

CONSTRUCTION PLANS GOVERNMENT RESOURCE CENTER 123 CARDINAL DRIVE EXTENSION SITE PLAN

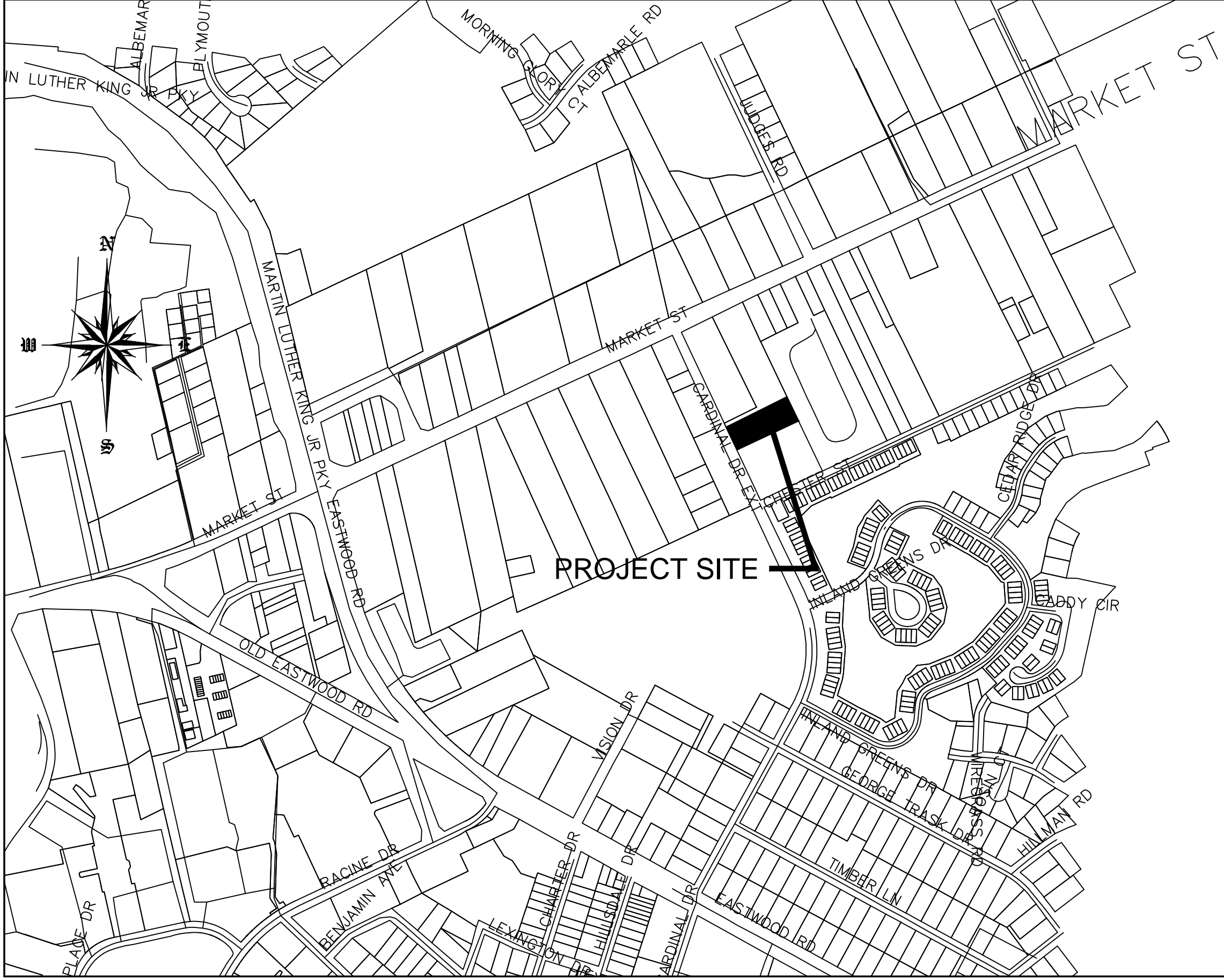
Approved Construction Plan	
Name _____	Date _____
Planning _____	
Traffic _____	
Fire _____	

STORMWATER MANAGEMENT PLAN APPROVED	
CITY OF WILMINGTON ENGINEERING DEPARTMENT	
DATE _____	PERMIT # _____
SIGNED _____	

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

NOTES

1. PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING (IF REQUIRED) WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION.
2. ANY TREES AND/OR AREAS DESIGNATED TO BE PROTECTED MUST BE PROPERLY BARRICADED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO CLEARING, GRADING OR STAGING OF MATERIALS OCCUR IN THOSE AREAS.
3. NO EQUIPMENT IS ALLOWED ON SITE UNTIL ALL TREE PROTECTION FENCING AND SILT FENCING IS INSTALLED AND APPROVED. PROTECTIVE FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT, AND CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTION ON TREE PROTECTION METHODS.
4. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS OF WAY AND FOR DRIVEWAY ARE TO BE THERMO PLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
5. ONCE STREETS ARE OPEN TO TRAFFIC, CONTACT TRAFFIC ENGINEERING REGARDING THE INSTALLATION OF TRAFFIC AND STREET NAME SIGNS. PROPOSED STREET NAMES MUST BE APPROVED PRIOR TO INSTALLATION OF STREET SIGN NAMES.
6. TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD STANDARDS AND BE MAINTAINED BY THE OWNER.
7. CONTACT TRAFFIC ENGINEERING AT 910-341-7888 TO ENSURE THAT ALL TRAFFIC SIGNAL FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN.
8. TRAFFIC ENGINEERING TO BE NOTIFIED AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.
9. TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKING PRIOR TO ACTUAL STRIPING.
10. ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN PARKING AREAS SHALL BE WHITE. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS OF WAY FOR DRIVEWAY ARE TO BE THERMO PLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
11. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT OF WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER.
12. STOP SIGNS AND STREET SIGNS TO REMAIN IN PLACE DURING CONSTRUCTION.
13. TACTILE WARNING MATS WILL BE INSTALLED ON ALL WHEEL CHAIR RAMPS.
14. A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET.
15. ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.
16. CONTACT TRAFFIC ENGINEERING AT 341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
17. WATER AND SEWER SERVICE SHALL MEET CAPE FEAR PUBLIC UTILITY AUTHORITY DETAILS AND SPECIFICATIONS.
18. PROJECT SHALL COMPLY WITH CFPWA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METERS CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL.
19. IF THE CONTRACTOR DESIRES CFPWA WATER FOR CONSTRUCTION HE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST SUPPLY A RPZ BACKFLOW PREVENTION DEVICE ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.
20. ANY IRRIGATION SYSTEM SUPPLIED BY CFPWA SHALL COMPLY WITH THE CFPWA CROSS CONNECTION REGULATIONS.
21. ANY IRRIGATION SYSTEM SHALL BE EQUIPPED WITH A RAIN AND FREEZE SENSOR.
22. ANY BACKFLOW PREVENTION DEVICES REQUIRED BY THE CFPWA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USCFCOCHR.
23. CONTRACTOR TO FILED VERIFY EXISTING WATER AND SEWER LOCATIONS, SIZES AND MATERIALS PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED OF CONFLICTS.
24. AN ALL WEATHER DRIVING SURFACE FOR EMERGENCY VEHICLES MUST BE MAINTAINED DURING CONSTRUCTION.
25. UNDERGROUND FIRE LINE(S) MUST BE PERMITTED AND INSPECTED BY THE WILMINGTON FIRE DEPARTMENT FROM THE PUBLIC ROW TO THE BUILDING. CONTACT THE WILMINGTON FIRE DEPARTMENT DIVISION OF FIRE AND LIFE SAFETY AT 910-341-0696.
26. NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND TEN (TEN) FEET ABOVE THE GROUND WITHIN THE TRIANGLE SIGHT DISTANCE.
27. CONTRACTOR IS TO NOTIFY (AT A MINIMUM) THE FOLLOWING COMPANIES FOR LOCATION SERVICES:
ULOCO1-800-632-4949, 48 HOURS IN ADVANCE
BELL SOUTH.....1-800-392-8712 (STEVE DAYVAULT)
CAROLINA ONE CALL CENTER 1-800-632-4949
28. THERE SHALL BE NO ENCUMBRANCES WITHIN THE NCDOT RIGHT OF WAY.
29. A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAT (SD 15-14 CoW TECH STDS)
30. FIRE HYDRANTS CANNOT BE FURTHER THAN 6' FROM THE CURB.
31. PARKING AND LANDSCAPING CANNOT BLOCK FIRE HYDRANTS OF FDC'S
32. FDC'S CAN BE NO FURTHER THAN 40' FROM FIRE DEPARTMENT VEHICLE PLACEMENT
33. FDC'S CAN BE NO FURTHER THAN 150' FROM A FIRE HYDRANT
34. BICYCLE PARKING IS PROVIDED ON THE SOUTHWEST CORNER OF PROPOSED BUILDING



SCALE 1" = 600'

**VICINITY MAP
FEBRUARY, 2015
REVISED MARCH, 2016**

LIST OF DRAWINGS

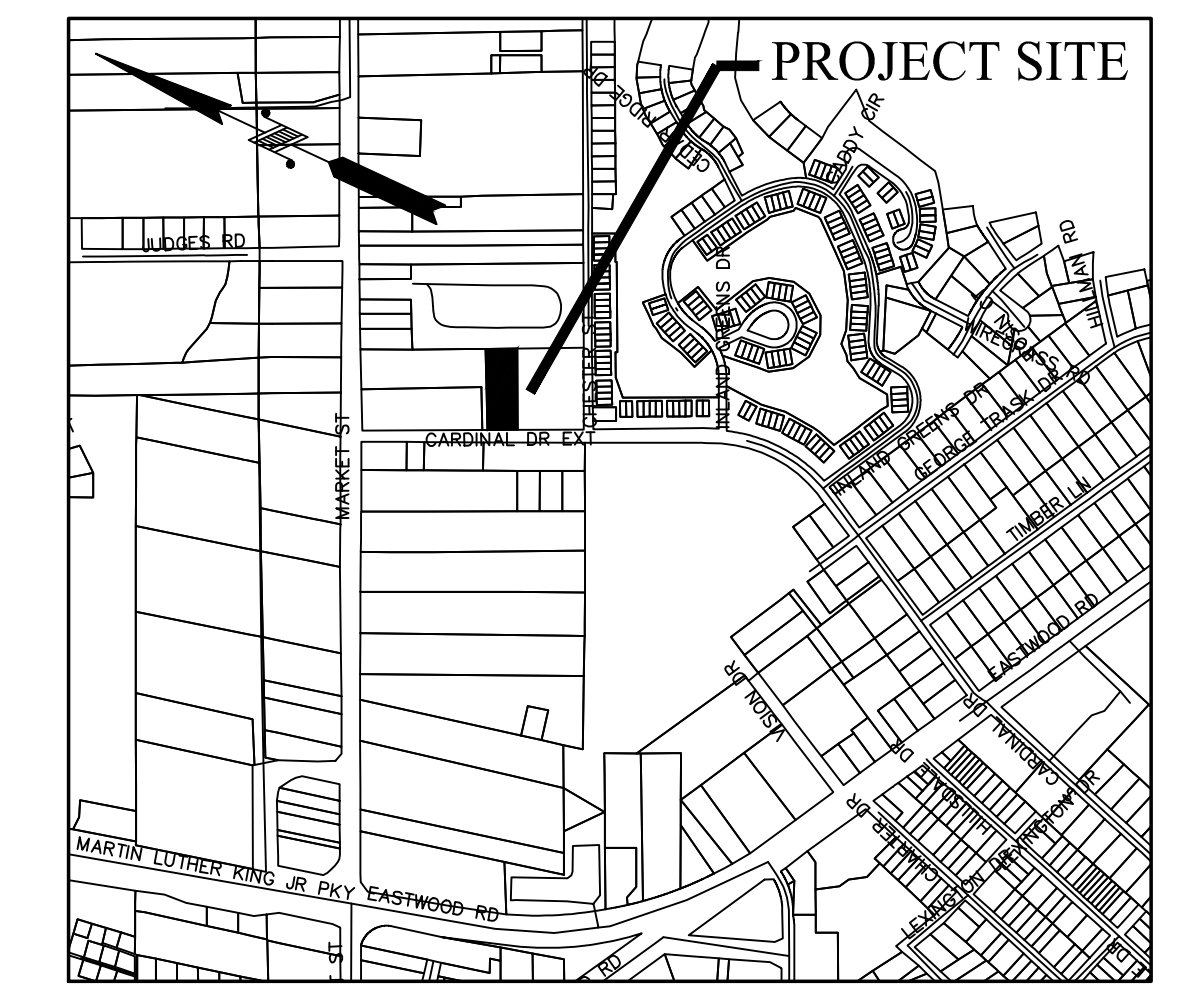
XX	COVER SHEET
C1	SITE PLAN
C2	GRADING, DRAINAGE & EROSION CONTROL
C2A	STORM DETAILS
C3	DETAILS
C4	TREE SURVEY
C5	DRAINAGE BASINS
L1	LANDSCAPE PLAN
A201	PRELIMINARY BLDG ELEVATION & PLAN VIEW
WSD-1	CFPUA WATER - STANDARD DETAILS
SSD-2	CFPUA SEWER - STANDARD DETAILS

OWNER/DEVELOPER
CARD HOLDINGS, LLC
MR. EARL WORSLEY
1135 MILITARY CUTOFF
WILMINGTON, NC 28405
1-910-256-0044

CIVIL ENGINEER
JBS CONSULTING, PA
BRAD SEDGWICK, PE
7332 COTESWORTH DRIVE
WILMINGTON, NC 28405
1-910-619-9990

SURVEYOR
GEOINNOVATION, PC
MR. DEAN EXLINE, PLS
311 JUDGES ROAD
SUITE 3D
WILMINGTON, NC 28405
1-910-367-2110





SITE DATA

ADDRESS 123 CARDINAL DRIVE EXTENSION WILMINGTON, NC 28405

PARCEL ID NUMBERS R05010-001-022-000

DEED BOOK & PAGE D.B. 5295 PG. 293

MAP BOOK & PAGE M.B. 60 PG. 239

ZONING RB-REGIONAL BUSINESS CITY OF WILMINGTON

TOTAL LOT AREA 4.42 ACRES

CAMA LAND USE CLASSIFICATION .. URBAN

PROPOSED USE.....OFFICE

NUMBER OF BUILDINGS 1 PROPOSED 1 EXISTING

BUILDING SQUARE FOOTAGE

TOTAL..... 9,000 SF

RB - REGIONAL BUSINESS

	REQUIRED	PROPOSED
MIN. LOT AREA	1 ACRE	1.04 ACRES
MIN. LOT WIDTH	100'	113.74'
MAX. LOT COVERAGE	40%	20.05% (9000/45,302)
FRONT BUILDING SETBACK	25'	25'
REAR BUILDING SETBACK	25'	30'
SIDE BUILDING SETBACK	0'	10.25'
MAX. BUILDING HEIGHT	35'	EAVE HEIGHT = 11' PEAK HEIGHT = 21.5'

PARKING REQUIREMENTS

NUMBER OF SPACES 1 PER 300 MIN (9000/300) = 30 SPACES
1 PER 200 MAX (9000/200) = 45 SPACES

PROPOSED SPACES.....30 SPACES + 2 H/C = 32

BUA CALCULATIONS

NCDEM PERMIT SW8 920211 (EXISTING) 124,200 SF ALLOWABLE BUA

PRE PROJECT BUA 83,706 SF

CONCRETE PAD REMOVED -611 SF

DRIVEWAY APRON REMOVED -1,455 SF

PRO. CONCRETE PAD 2,761 SF

PRO. BUILDING 9,000 SF

PRO. CONCRETE SIDEWALK 2,002 SF

PRO. ASPHALT 16,998 SF

FUTURE DEVELOPMENT (REMAINING IN PERMIT) 10,000 SF

SUB TOTAL 40,761 SF

EXISTING + PROPOSED 122,401 SF

PRO CONCRETE IN ROW 790 SF

% IMPERVIOUS (122,401/192,730) 64%

OVERLAY DISTRICTS

THE SITE IS NOT IN A KNOWN OVERLAY DISTRICT

FLOOD INFORMATION

PER FLOOD MAP 37203314800J THIS SITE IS IN A "X" ZONE.

STORMWATER - THIS SITE IS COVERED UNDER AN EXISTING NCDEM STORMWATER PERMIT # SW8 920211 AND OFFSITE SUPPLEMENT SW8 970715. ACCORDING TO THE PERMIT THERE IS EXTRA ALLOWABLE BUA ALLOWED FOR THIS DEVELOPMENT. THIS DEVELOPMENT CAN BE COVERED BY THE EXTRA ALLOWABLE BUA IN THE PERMIT. PERMIT FROM CITY OF WILMINGTON WILL BE REQUESTED.

WATER/SEWER INFO

GENERAL OFFICE 25 GPD/EMPLOYEE/SHIFT
3 EMPLOYEES/4 OFFICES/ 1 SHIFT = 300 GPD

WATER USE - CURRENT - 0 GPD
WATER USE - PROPOSED - 300 GPD
SEWER USE - CURRENT - 0 GPD
SEWER USE - PROPOSED - 300 GPD

LEGEND

PRO. ASPHALT PAVEMENT [Symbol]

EX. SPOT ELEVATION [Symbol] 29

PROPOSED SPOT ELEVATION x 33.33 [Symbol]

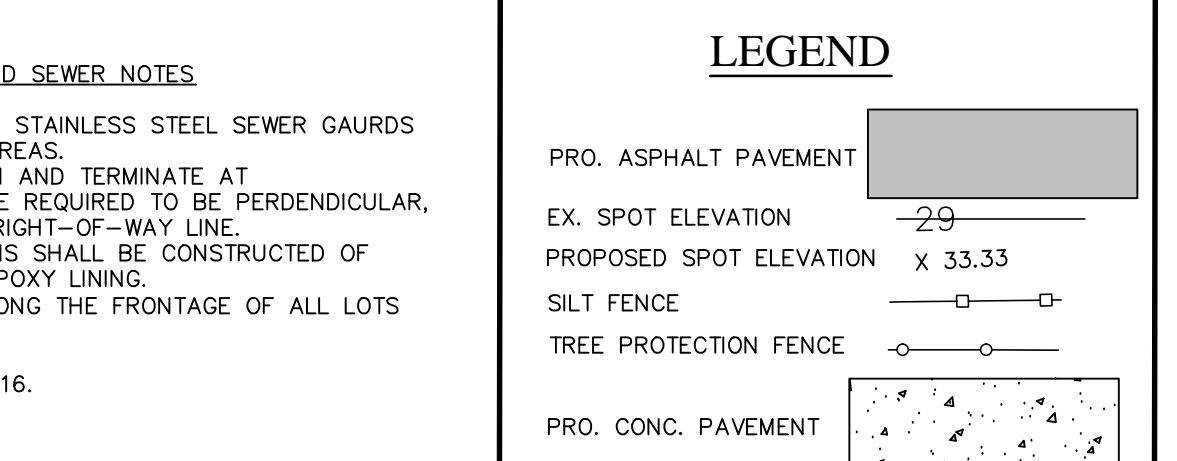
SILT FENCE [Symbol]

TREE PROTECTION FENCE [Symbol]

PRO. CONC. PAVEMENT [Symbol]

CAPE FEAR PUBLIC UTILITY AUTHORITY STANDARD SEWER NOTES

- SEWER GUARDS REQUIRED AT ALL MANHOLES. STAINLESS STEEL SEWER GUARDS REQUIRED AT MANHOLES LOCATED IN TRAFFIC AREAS.
- SERVICES SHALL BE PERPENDICULAR TO MAIN AND TERMINATE AT RIGHT-OF-WAY. SERVICES IN CUL-DE-SACS ARE REQUIRED TO BE PERPENDICULAR, OR ORIGINATE IN MANHOLE AND TERMINATE AT RIGHT-OF-WAY LINE.
- ALL SERVICES TYING INTO DUCTILE IRON MAINS SHALL BE CONSTRUCTED OF CLASS 50, DIP, WITH PROTECTO 401 CERAMIC EPOXY LINING.
- MINIMUM 10' UTILITY EASEMENT PROVIDED ALONG THE FRONTAGE OF ALL LOTS AND AS SHOWN FOR NEW DEVELOPMENTS.
- NO FLEXIBLE COUPLINGS SHALL BE USED.
- ALL STAINLESS STEEL FASTNERS SHALL BE 316.



STORMWATER MANAGEMENT PLAN APPROVED

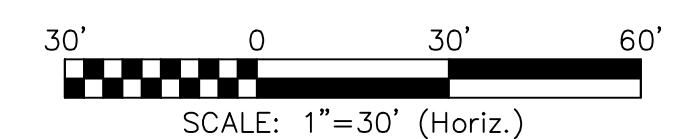
CITY OF WILMINGTON
ENGINEERING DEPARTMENT

DATE _____ PERMIT # _____

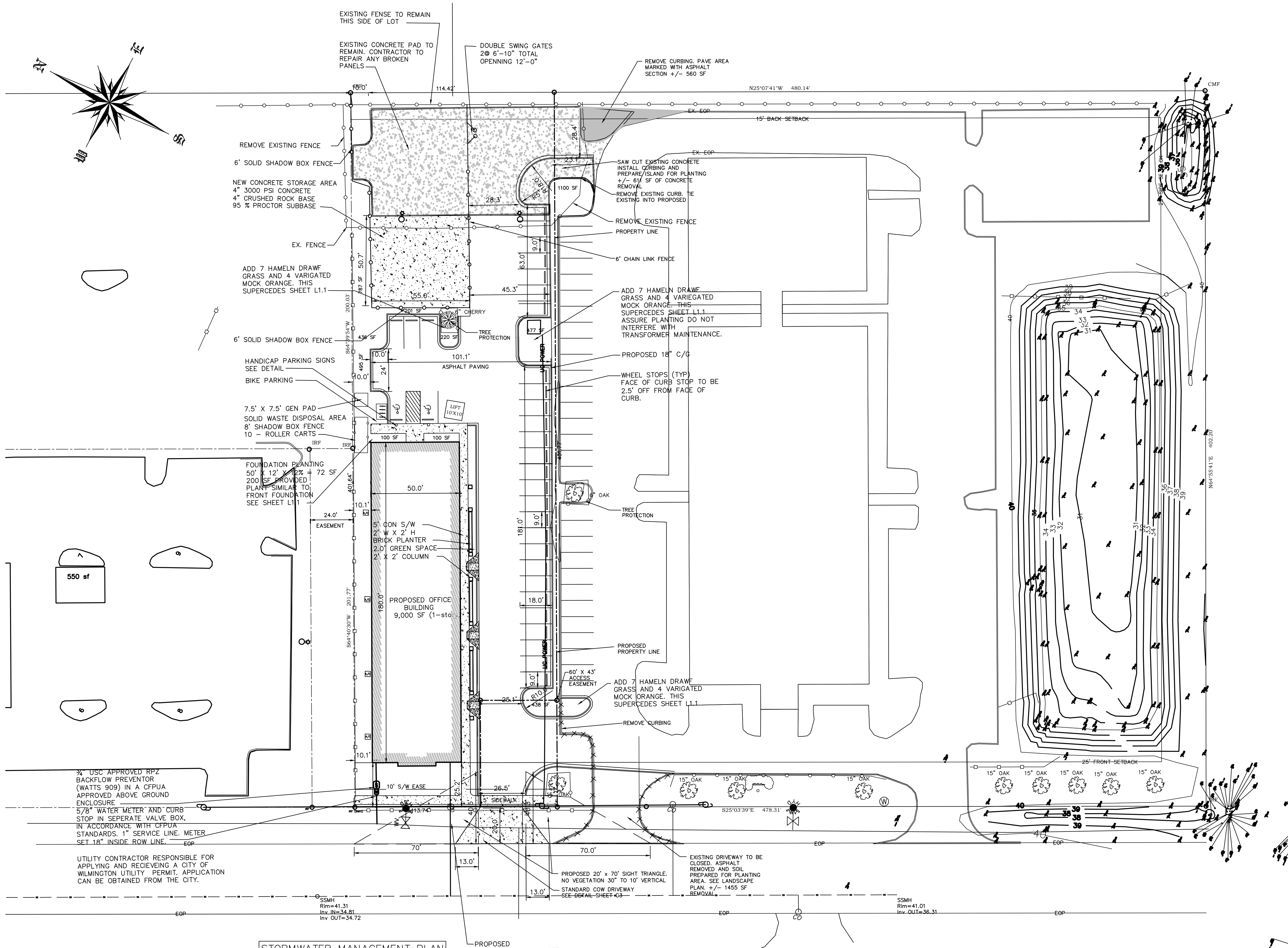
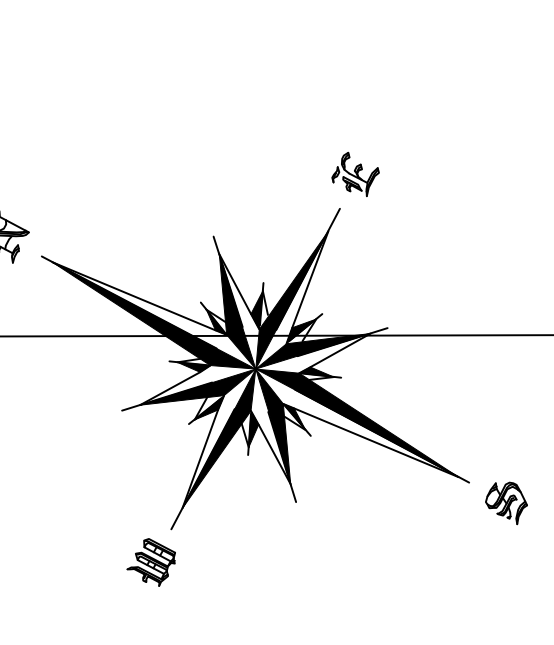
SIGNED _____

NO WETLAND WITHIN PROJECT AREA

SITE PLAN
SCALE 1" = 30'



NO WETLAND WITHIN PROJECT AREA



FOR EACH OPEN UTILITY CUT OF CITY STREETS, A \$325 PERMIT SHALL BE REQUIRED FROM THE CITY PRIOR TO OCCUPANCY AND/OR PROJECT ACCEPTANCE.

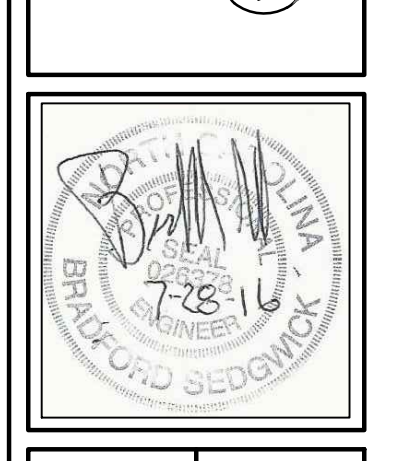
STOP
BEFORE YOU DIG
CALL 1 800 632-4949
N.C. ONE-CALL CENTER
IT'S THE LAW

NO WETLAND WITHIN PROJECT AREA

7/28/2016 3:09:53 PM

DESIGN BY: BDS
DRAWN BY: BDS
CHECKED BY: BDS
DATE: FEBRUARY, 2015

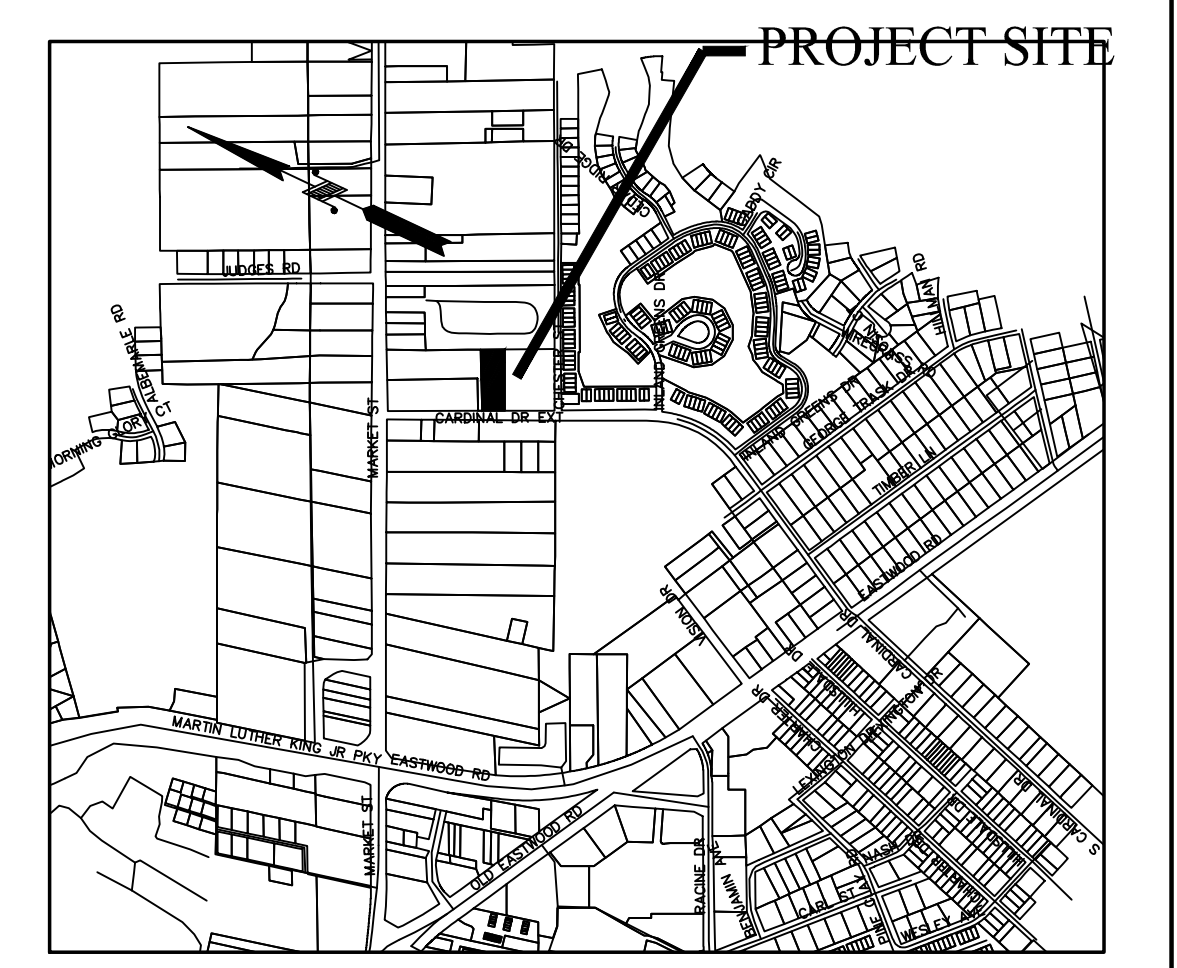
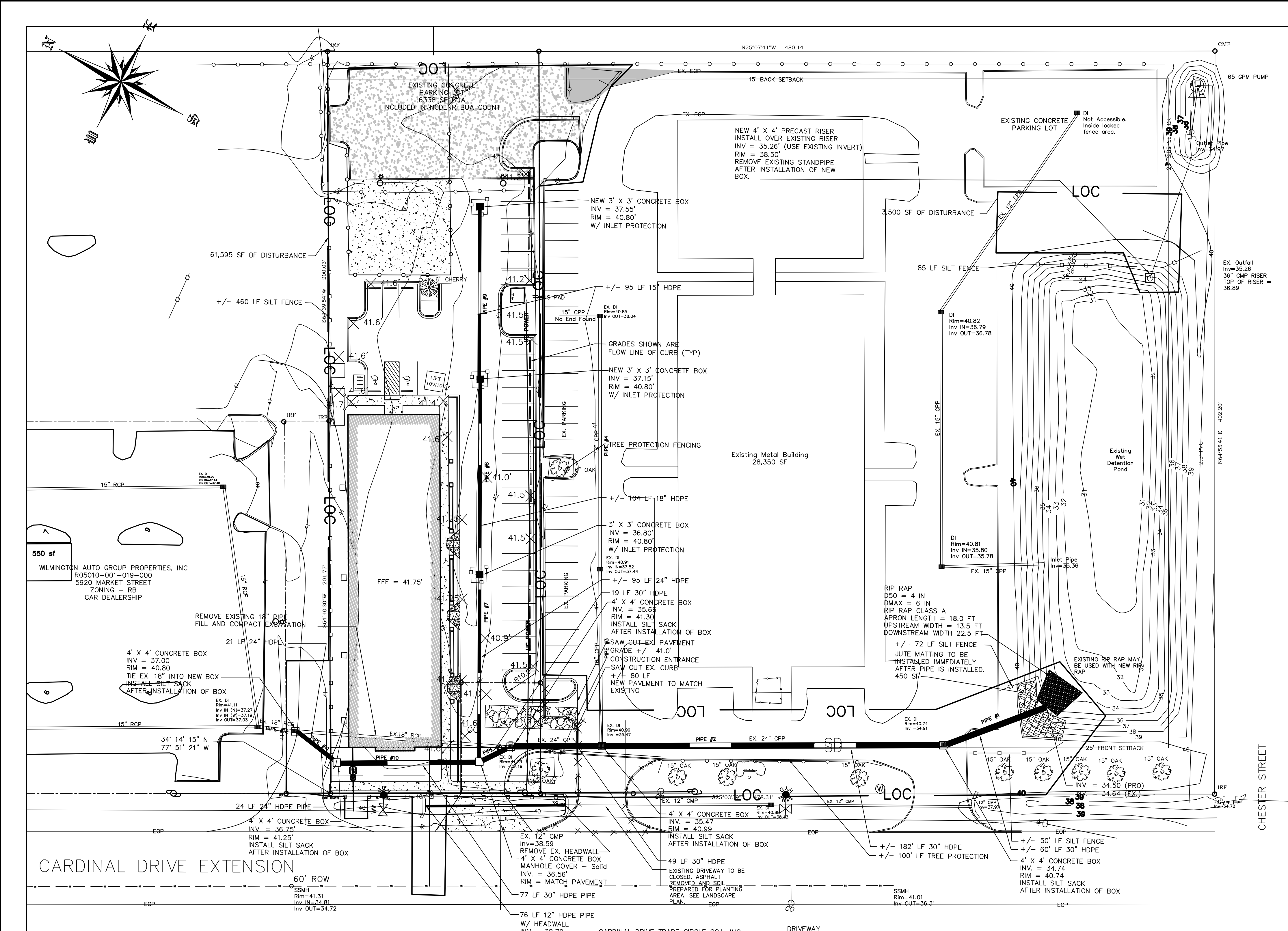
JBS CONSULTING, PA
7332 Cotesworth Drive
Wilmington, NC 28045
(910) 619-9990
LICENSE NUMBER C-2625
PLANNING - ENGINEERING - PROJECT MANAGEMENT



SITE PLAN
GOVERNMENT RESOURCE CENTER
123 CARDINAL DRIVE EXTENSION
WILMINGTON, NORTH CAROLINA 28405

CARD HOLDINGS, LLC
1135 MILITARY CUTOFF ROAD
WILMINGTON, NC 28405
1-910-256-0044

SHEET
C1
of 6
JOB NO. 051-004



GRADING NOTES

1. INITIATE EROSION CONTROL SEQUENCE BEFORE BEGINNING CLEARING, GRUBBING AND GRADING OPERATIONS.
2. CLEAR AREAS TO BE GRADED OF ALL VEGETATION. PROTECT VEGETATION BEYOND GRADING LIMITS.
3. STRIP TOPSOIL TO FULL DEPTH IN AREAS TO BE GRADED AND STOCKPILE.
4. COMPACT ALL FILL AREAS TO 95% OF MAXIMUM DENSITY.
5. ALL BANKS AND SWALE SIDE SLOPES SHALL BE GRADED WITH NO GREATER THAN 3:1 SLOPES.
6. ALL AREAS ARE TO BE GRADED SO THAT NO AREAS OF STANDING WATER OCCUR.
7. PROPOSED SPOT ELEVATIONS ARE SHOWN AT FINISHED GRADE.
8. OPERATOR SHALL FIELD VERIFY EXISTING TOPOGRAPHY IN RELATION TO THE PROPOSED GRADES TO ENSURE DRAINAGE IN THE DIRECTIONS INDICATED ON THE PLAN.

CONSTRUCTION SEQUENCE

1. OBTAIN ALL NECESSARY PERMIT APPROVALS PRIOR TO ANY LAND DISTURBING ACTIVITY.
2. HOLD A PRE-CONSTRUCTION MEETING WITH THE EROSION CONTROL INSPECTOR.
3. INSTALL GRAVEL CONSTRUCTION ENTRANCE AND SILT FENCE. COMMENCE CLEARING AND ROUGH GRADING OPERATIONS TO ESTABLISH DIVERSION SWALES AND SEDIMENT TRAPS AND BASIN.
4. ROUGH GRADE SITE AND INSTALL UNDERGROUND UTILITIES.
5. PROVIDE TEMPORARY PROTECTION MEASURES AND DEVICES AS REQUIRED UNTIL UNDERGROUND UTILITIES AND PAVEMENT SECTION IS COMPLETE AND FINAL GRADES ARE STABILIZED WITH TEMPORARY VEGETATIVE COVER.
6. STABILIZE (FERTILIZE, SEED, AND MULCH) ALL DISTURBED AREAS AS SOON AS FINAL GRADES ARE ESTABLISHED.
7. ONCE CONSTRUCTION IS COMPLETE AND ALL DISTURBED AREAS ARE STABILIZED, REMOVE TEMPORARY EROSION CONTROL MEASURES.

EROSION CONTROL MAINTENANCE PLAN

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RAINFALL - PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
2. INSPECT SEDIMENT TRAPS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT, AND RESTORE THE TRAP TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. PLACE THE SEDIMENT THAT IS REMOVED IN DESIGNATED DISPOSAL AREA, AND REPLACE THE PART OF THE GRAVEL FACING THAT IS IMPAIRED BY SEDIMENT.
3. SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES ABOUT 0.5 FEET DEEP AT THE FENCE. THE SEDIMENT FENCE WILL BE REPAIRED OR REPLACED AS NECESSARY TO MAINTAIN A BARRIER.
4. ALL AREAS WILL BE FERTILIZED, RESEED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.
5. GRAVEL CONSTRUCTION ENTRANCE TO BE CLEANED WHEN SEDIMENT ACCUMULATIONS ARE VISIBLE OR SEDIMENT IS DEPOSITED ON THE ASPHALT AND STONE WILL BE PERIODICALLY TOP DRESSED WITH 2 INCHES OF #4 STONE TO MAINTAIN 6 INCH DEPTH.
6. INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1" OR GREATER) RAINFALL EVENT. CLEAR THE WIRE OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS NEEDED.

EROSION CONTROL NOTES

1. ANY CONSTRUCTION ACTIVITY BEYOND THE 1.5 ACRE LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO FINES.
2. CONTRACTOR SHALL REMOVE ALL TREES AND VEGETATION WITHIN ROAD RIGHT OF WAYS UNLESS OTHERWISE DESIGNATED TO REMAIN.
3. CONTRACTOR SHALL RAKE AND REMOVE ROOTS, STUMPS, VEGETATION, DEBRIS, EXISTING STRUCTURES ABOVE AND BELOW GRADE, ORGANIC MATERIAL OR ANY OTHER UNSUITABLE MATERIAL WITH IN THE LIMITS OF CONSTRUCTION.
4. CONTRACTOR SHALL COORDINATE WITH OWNER AND THEIR GEOTECHNICAL REPRESENTATIVE TO COORDINATE REMOVAL OF ANY UNSUITABLE SOILS.
5. CLEARED, GRUBBED, STRIPPED OR OTHER WASTE MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A PROPERLY PERMITTED FACILITY.
6. THE CONTRACTOR SHALL FURNISH ANY REQUIRED BORROW MATERIALS FROM A PROPERLY PERMITTED OFF-SITE FACILITY.
7. ALL GRADED SLOPES MUST BE SEEDED AND MULCHED WITHIN 21 CALENDAR DAYS OF COMPLETION OF GRADING. STABILIZE AREAS OTHER THAN SLOPES WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS, WHICHEVER IS SHORTER.
8. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE COUNTY ENGINEERING DEPARTMENT.
9. SLOPES SHALL BE GRADED NO STEEPER THAN 3:1.
10. ADDITIONAL DEVICES MAY BE REQUIRED AS AGREED UPON BY THE FIELD INSPECTOR, ENGINEER, AND OWNER.
11. IF ACTIVE CONSTRUCTION CEASES IN ANY AREA FOR MORE THAN 15 CALENDAR DAYS, ALL DISTURBED AREAS MUST BE SEEDED, MULCHED, AND TACKED.

**GRADING, DRAINAGE, EROSION CONTROL
SCALE 1" = 30'**

1. INSPECT SKIMMER SEDIMENT BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1" OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO ONE-HALF THE HEIGHT OF THE FIRST BAFFLE. PULL THE SKIMMER TO ONE SIDE SO THAT THE SEDIMENT UNDERNEATH IT CAN BE EXCAVATED. EXCAVATE THE SEDIMENT FROM THE ENTIRE BASIN, NOT JUST AROUND THE SKIMMER OR THE FIRST CELL. MAKE SURE VEGETATION GROWING IN THE BOTTOM OF THE BASIN DOES NOT HOLD DOWN THE SKIMMER.

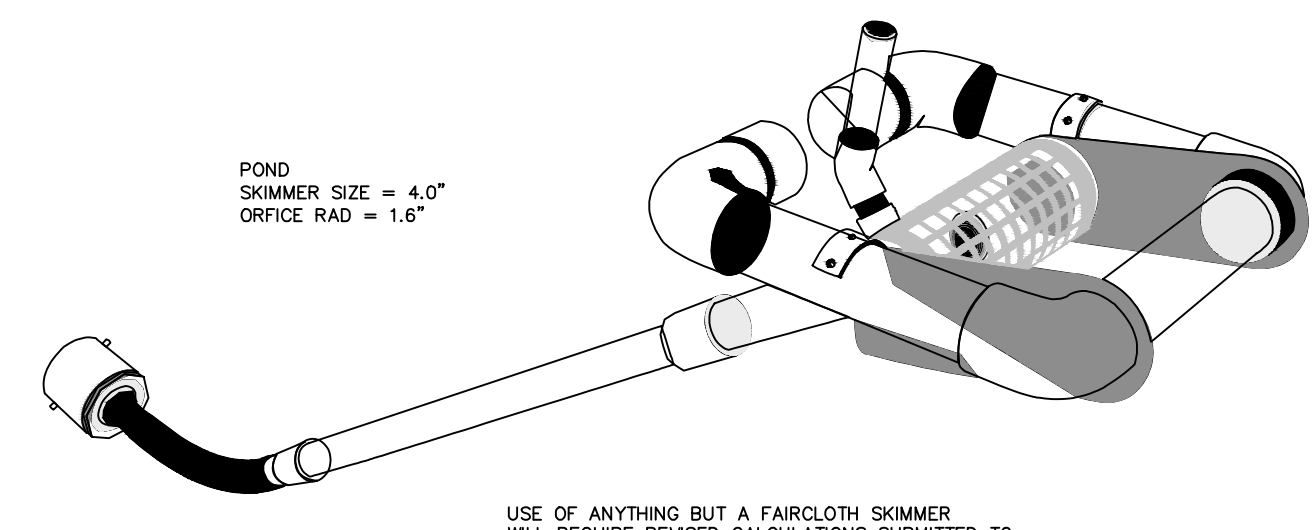
REPAIR THE BAFFLES IF THEY ARE DAMAGED. RE-ANCHOR THE BAFFLES IF WATER IS FLOWING UNDERNEATH OR AROUND THEM.

IF THE SKIMMER IS CLOGGED WITH TRASH AND THERE IS WATER IN THE BASIN, USUALLY JERRING ON THE ROPE WILL MAKE THE SKIMMER BOB UP AND DOWN AND DISLodge THE DEBRIS AND RESTORE FLOW. IF THIS DOES NOT WORK, PULL THE SKIMMER OVER TO THE SIDE OF THE BASIN AND REMOVE THE DEBRIS. ALSO CHECK THE ORIFICE INSIDE THE SKIMMER TO SEE IF IT IS CLOGGED; IF SO REMOVE DEBRIS.

IF THE SKIMMER ARM OR BARREL PIPE IS CLOGGED, THE ORIFICE CAN BE REMOVED AND THE OBSTRUCTION CLEARED WITH A PLUMBER'S SNAKE OR BY FLUSHING WITH WATER. BE SURE TO REPLACE THE ORIFICE BEFORE REPOSITIONING THE SKIMMER.

CHECK THE FABRIC LINED SPILLWAY FOR DAMAGE AND MAKE ANY REQUIRED REPAIRS WITH FABRIC THAT SPANS THE FULL WIDTH OF THE SPILLWAY. CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE SKIMMER POOL AREA.

FREEZING WEATHER CAN RESULT IN ICE FORMING IN THE BASIN. SOME SPECIAL PRECAUTIONS SHOULD BE TAKEN IN THE WINTER TO PREVENT THE SKIMMER FROM PLUGGING WITH ICE.



FAIRCLOTH FLOATING SKIMMER
NOT TO SCALE

LEGEND

PRO. ASPHALT PAVEMENT	[Symbol]
EX. CONTOUR	[Symbol]
PROPOSED SPOT ELEVATION	x 33.33
SILT FENCE	[Symbol]
TREE PROTECTION FENCE	[Symbol]
PRO. CONC. PAVEMENT	[Symbol]
JUTE MATTING	[Symbol]
INLET PROTECTION	[Symbol]



STORMWATER MANAGEMENT PLAN
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CITY OF WILMINGTON
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DATE _____ PERMIT # _____
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Approved Construction Plan

Name	Date
Planning	
Traffic	
Fire	



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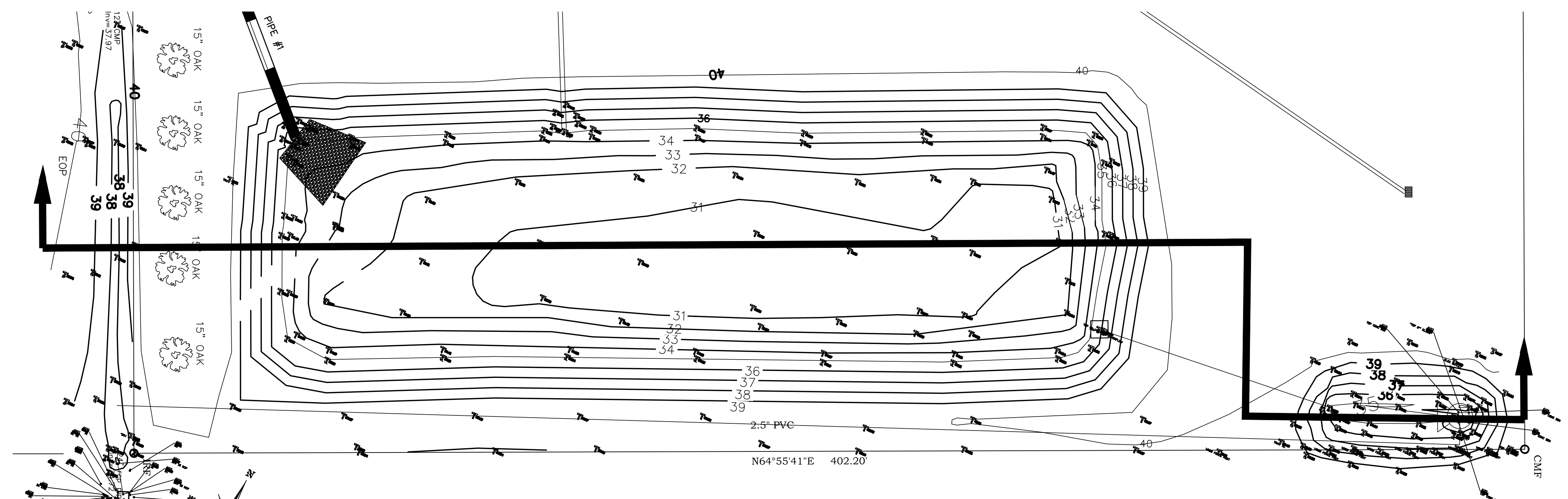
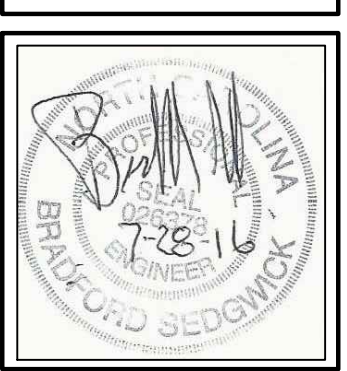
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GRADING, DRAINAGE, EROSION CONTROL

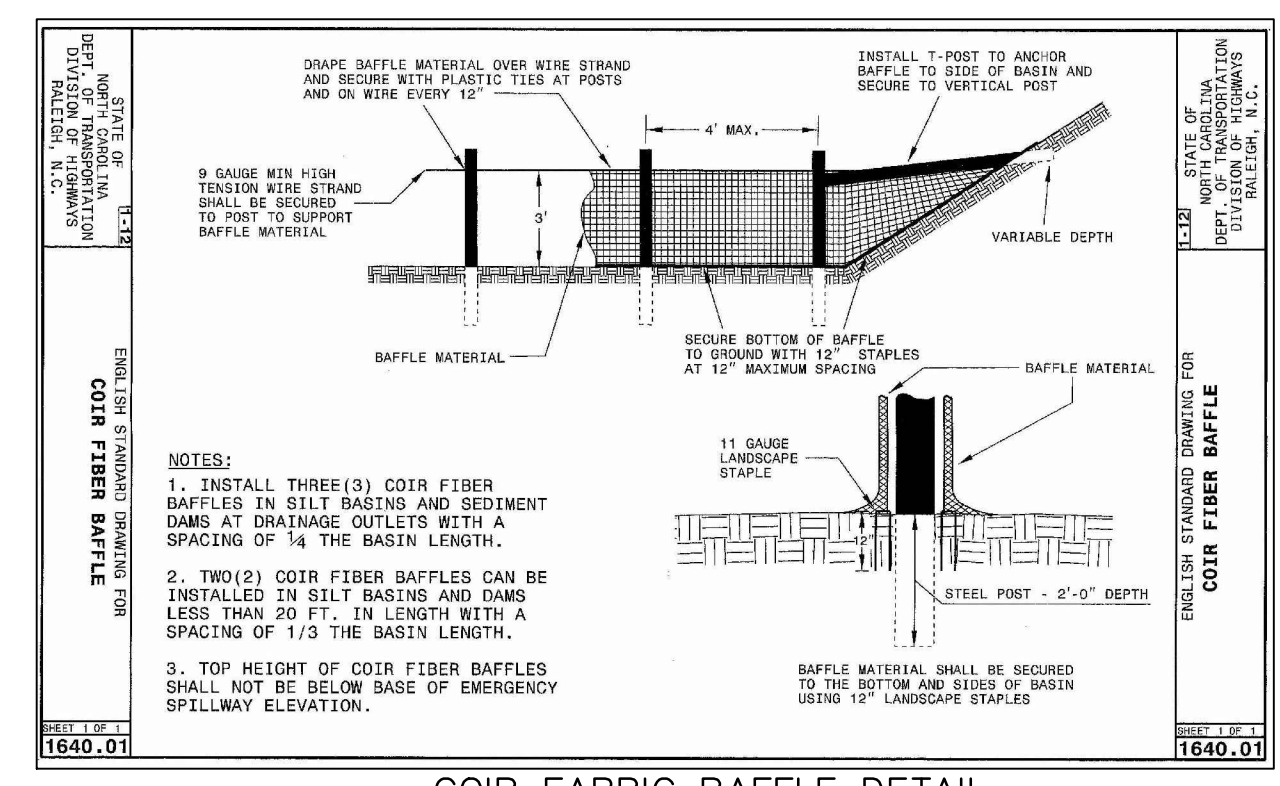
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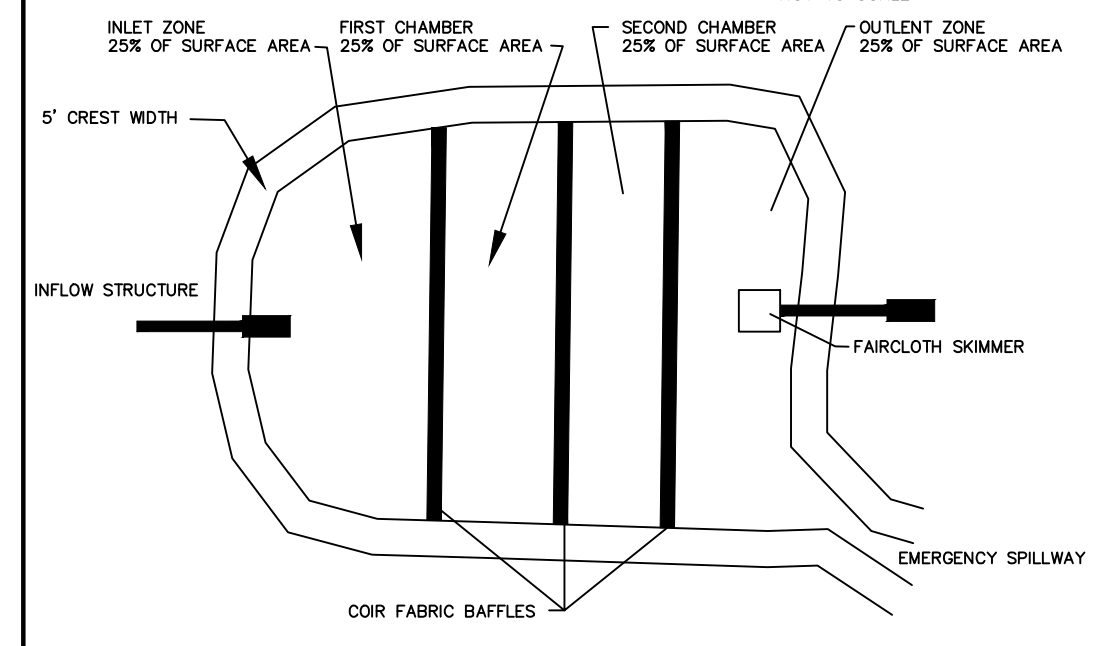
SHEET
C2
of 6
JOB NO. 051-004



EX. STORMWATER POND PLAN
 SCALE 1" = 20'



COIR FABRIC BAFFLE DETAIL
 NOT TO SCALE



BAFFLES IN SEDIMENTATION BASIN/SWM POND
 NOT TO SCALE

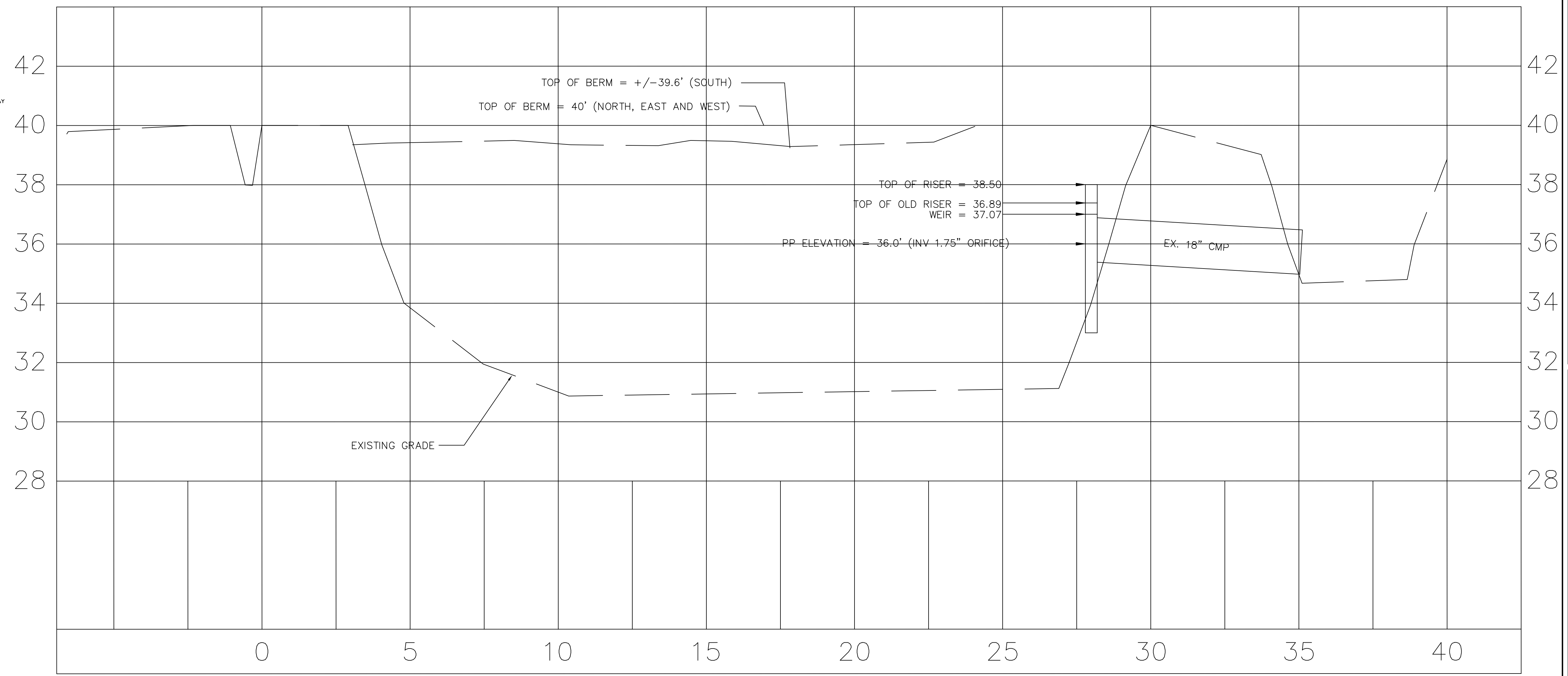
BAFFLE MAINTENANCE PLAN
 INSPECT BAFFLES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
 BE SURE TO MAINTAIN ACCESS TO BAFFLES. SHOULD FABRIC OF A BAFFLE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.
 REMOVE SEDIMENT DEPOSITS WHEN IT REACHES HALF FULL. PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE BAFFLES. TAKE CARE TO AVOID DAMAGING THE BAFFLES DURING CLEANOUT, AND REPLACE IF DAMAGED DURING CLEANOUT OPERATIONS. SEDIMENT DEPTH SHOULD NEVER EXCEED HALF THE DESIGNED STORAGE DEPTH.
 AFTER THE CONTRIBUTING DRAINAGE BASIN IS STABILIZED, REMOVE ALL BAFFLE MATERIALS AND UNSTABLE SEDIMENT DEPOSITS, BRING THE AREA TO PERMITTED GRADE, AND STABILIZE.

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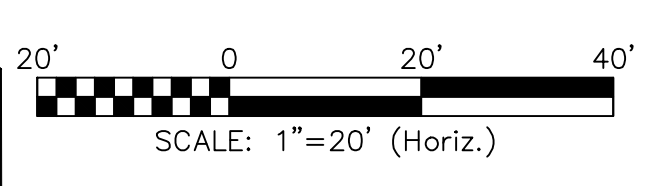
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Fire	

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.



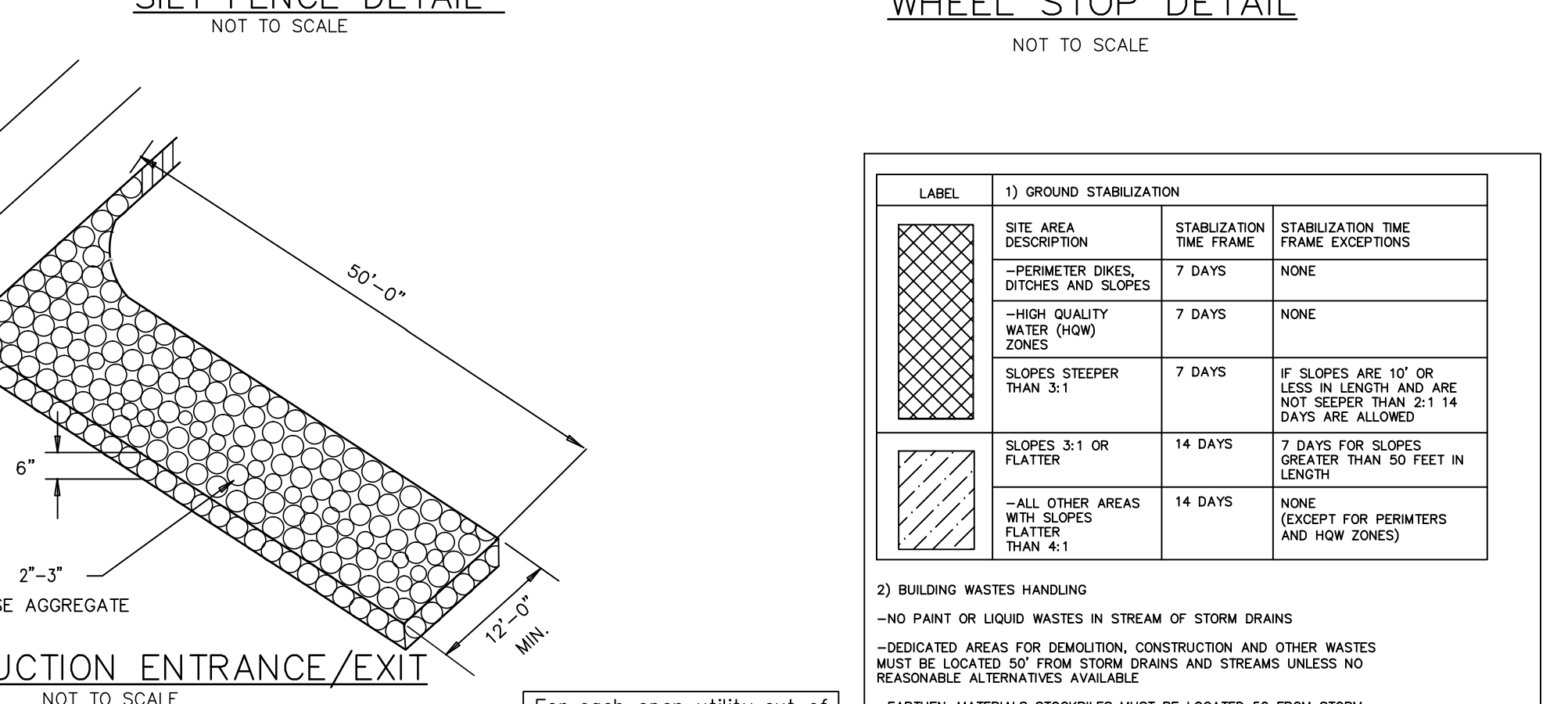
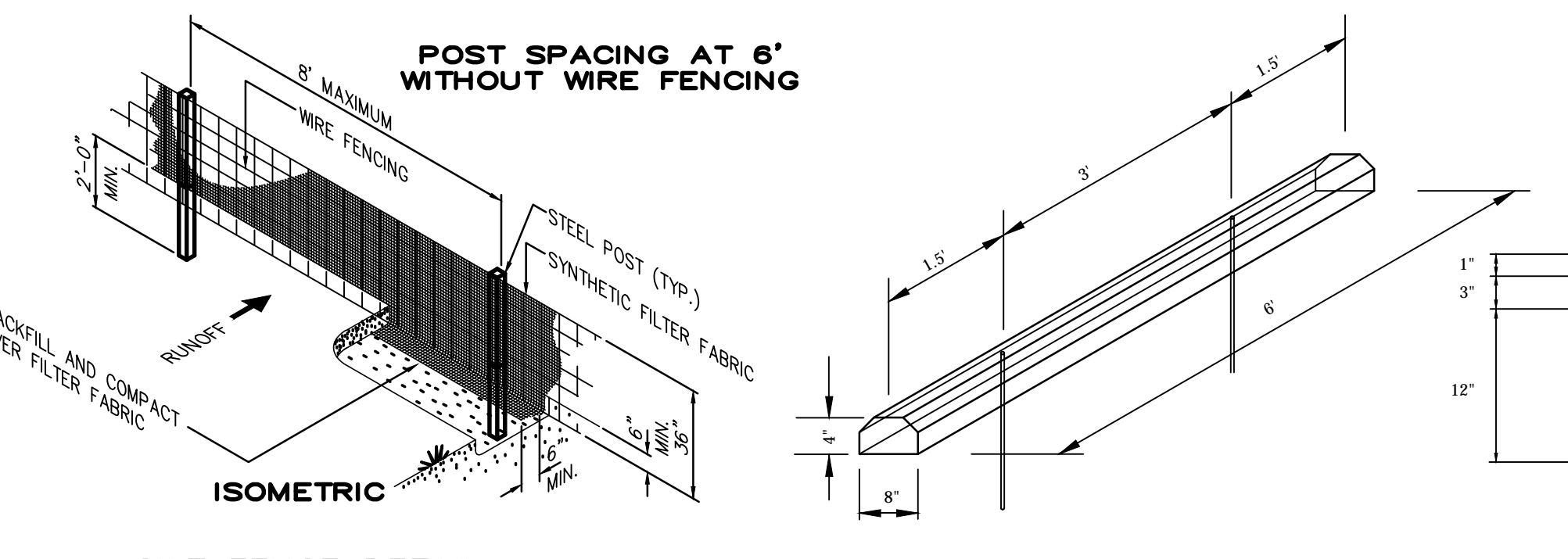
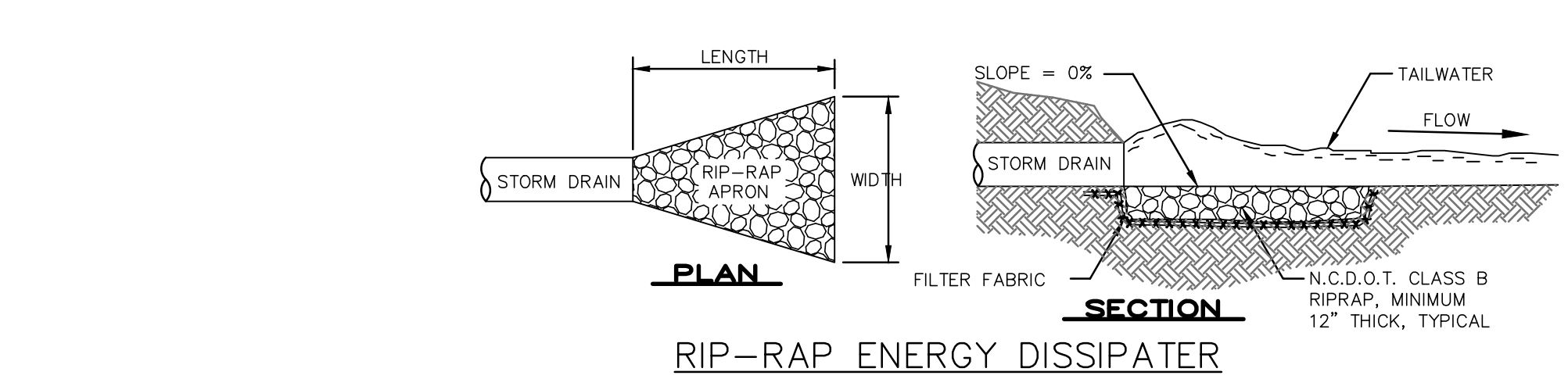
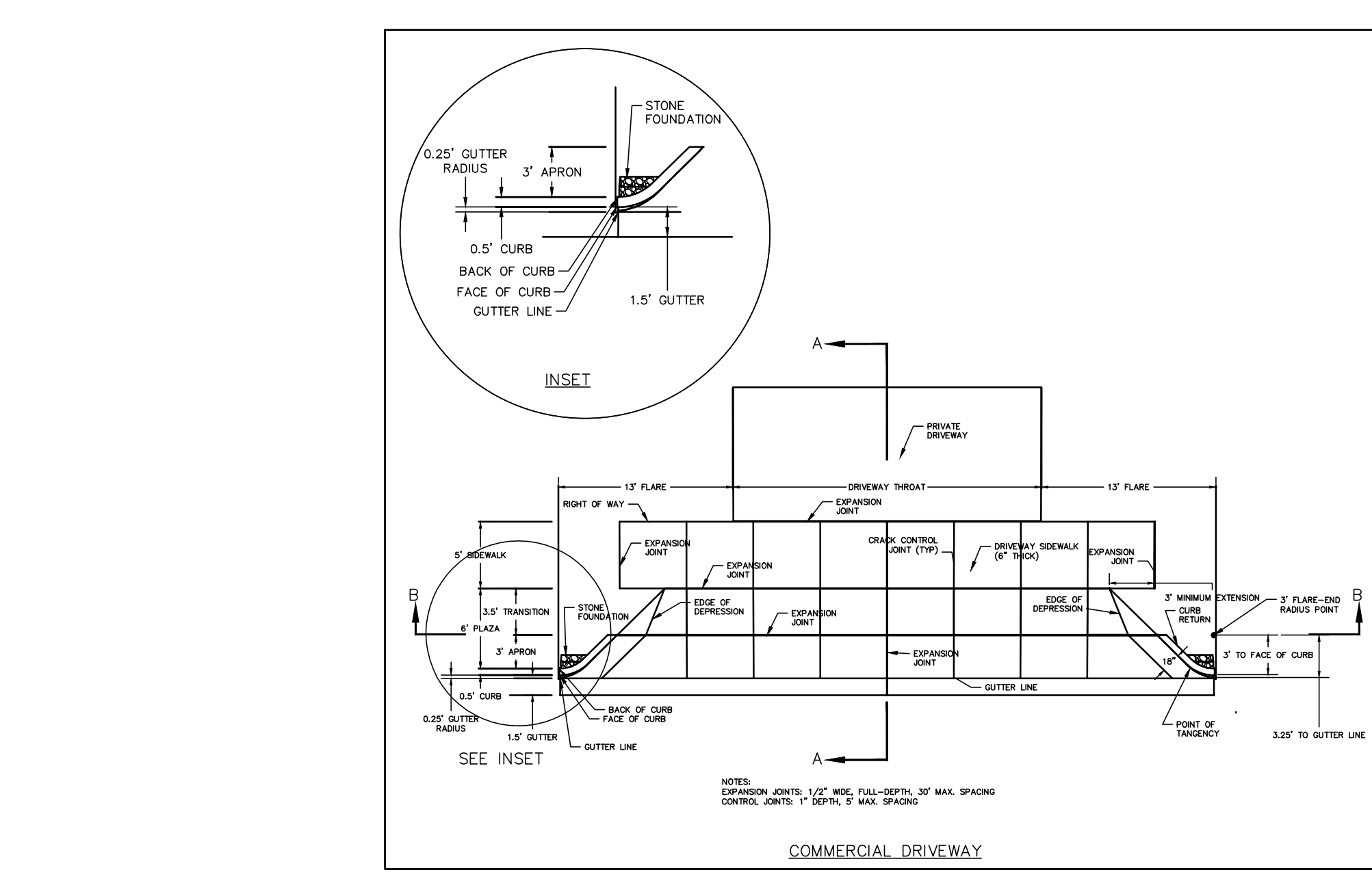
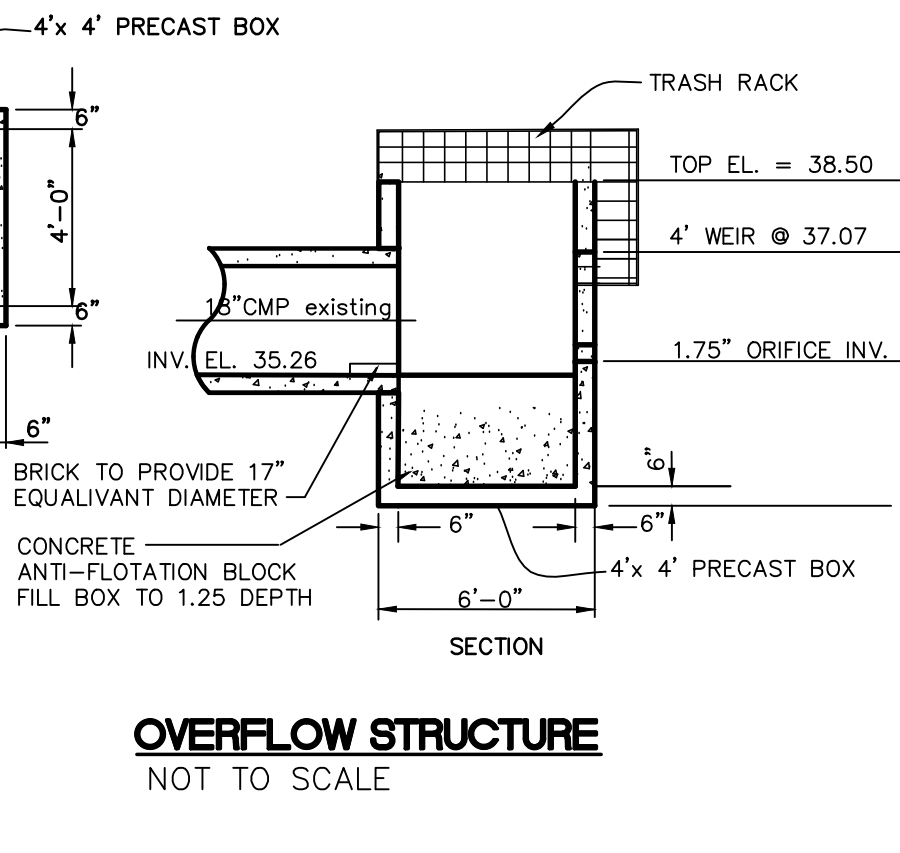
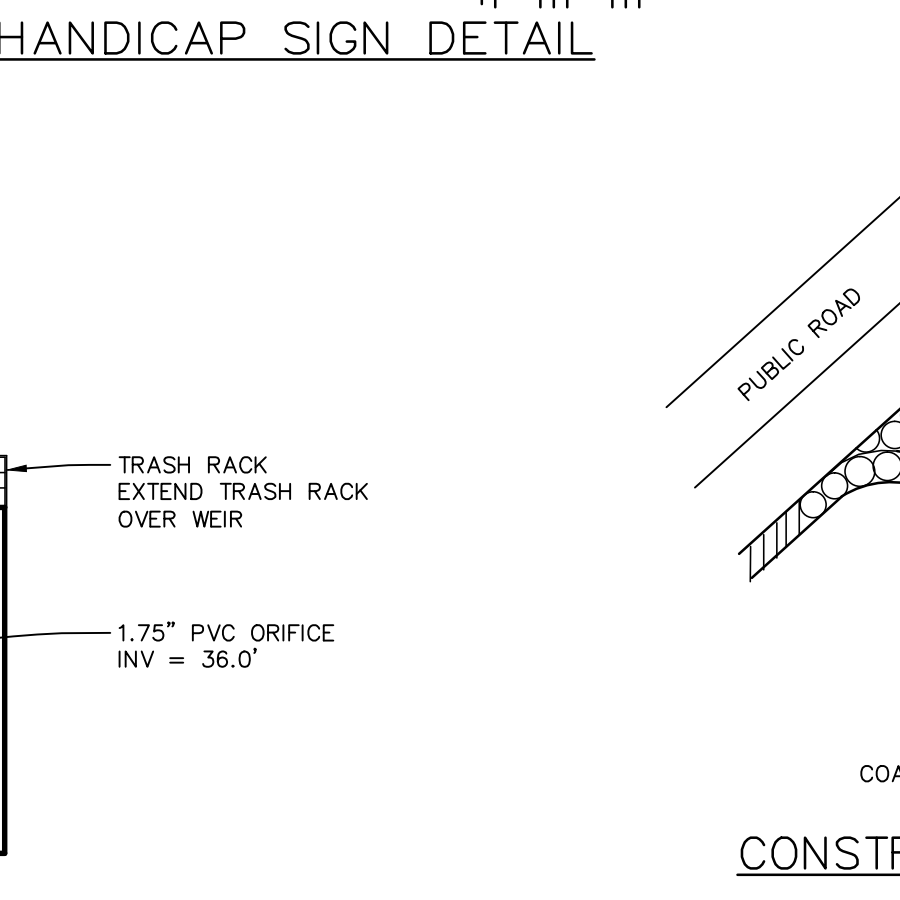
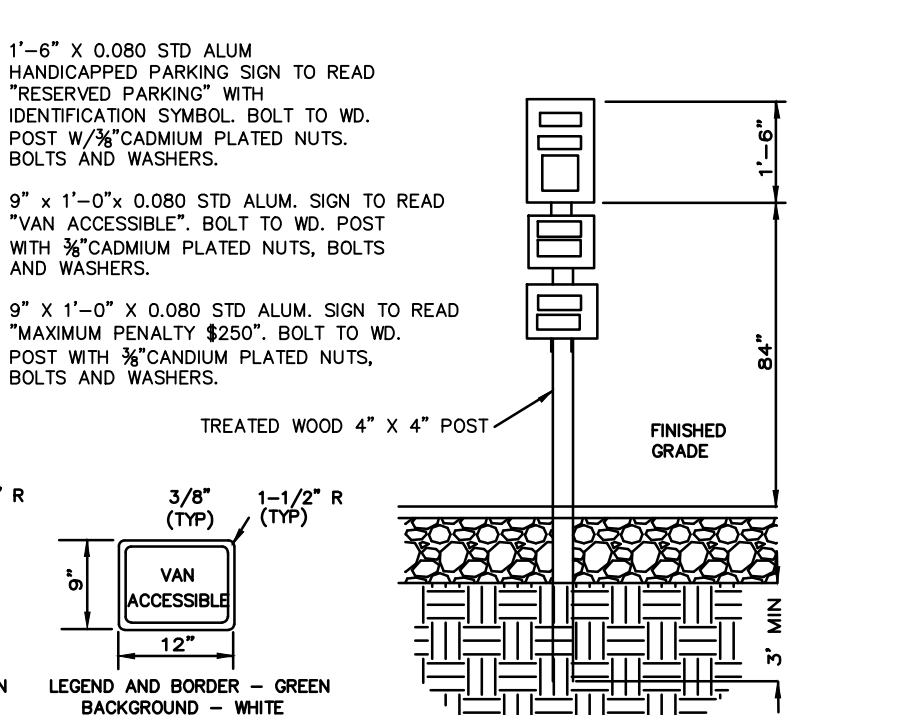
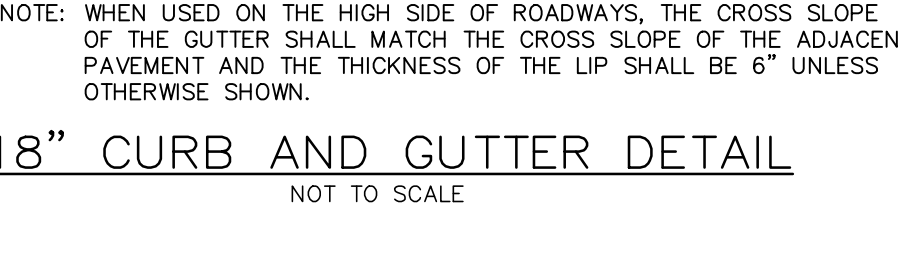
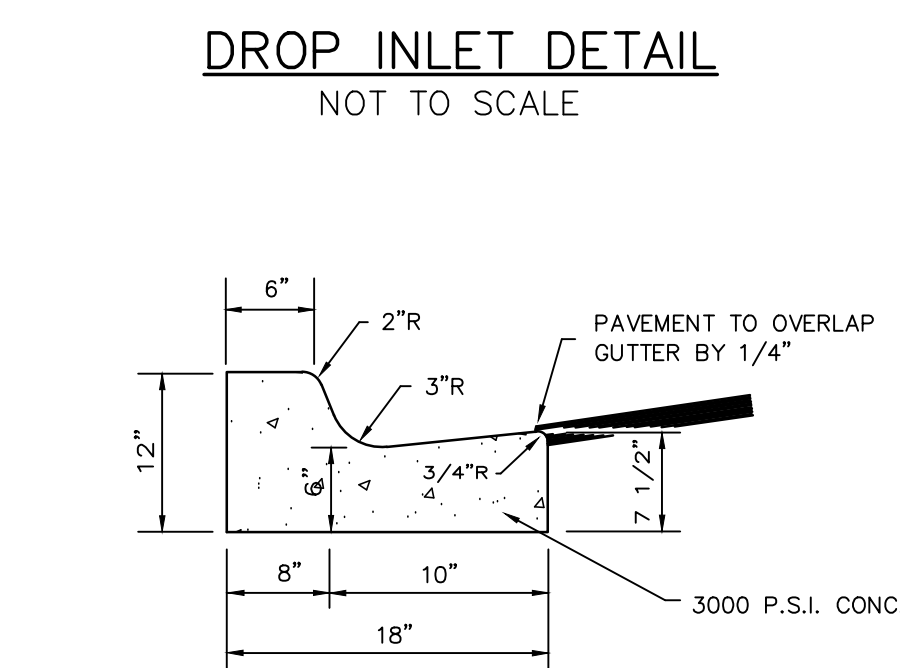
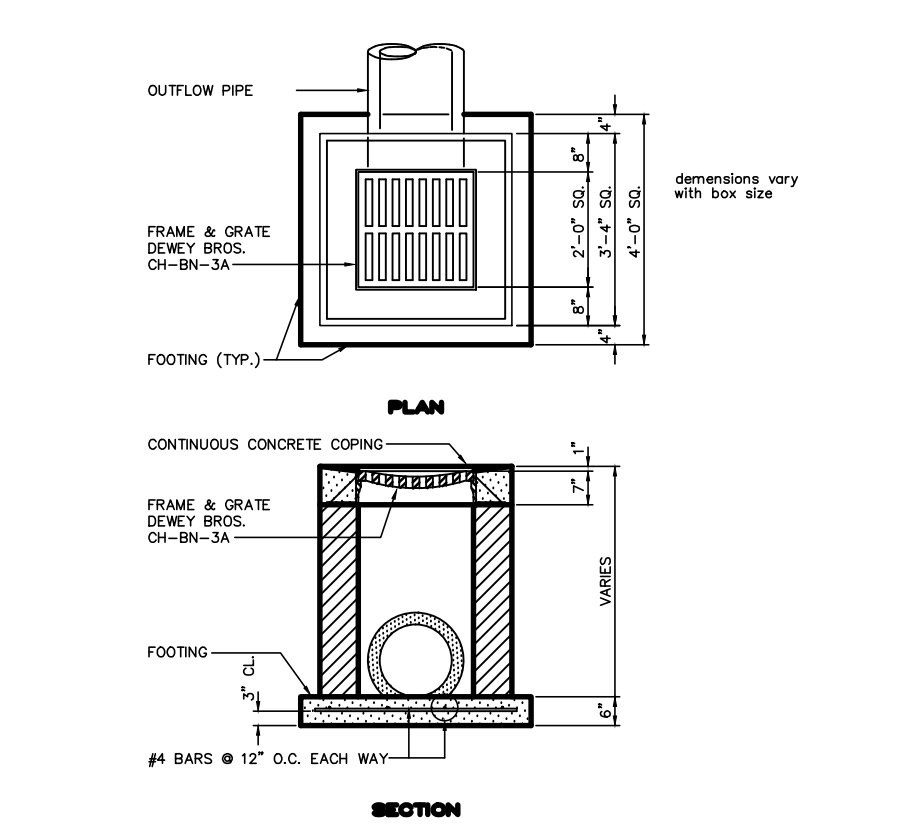
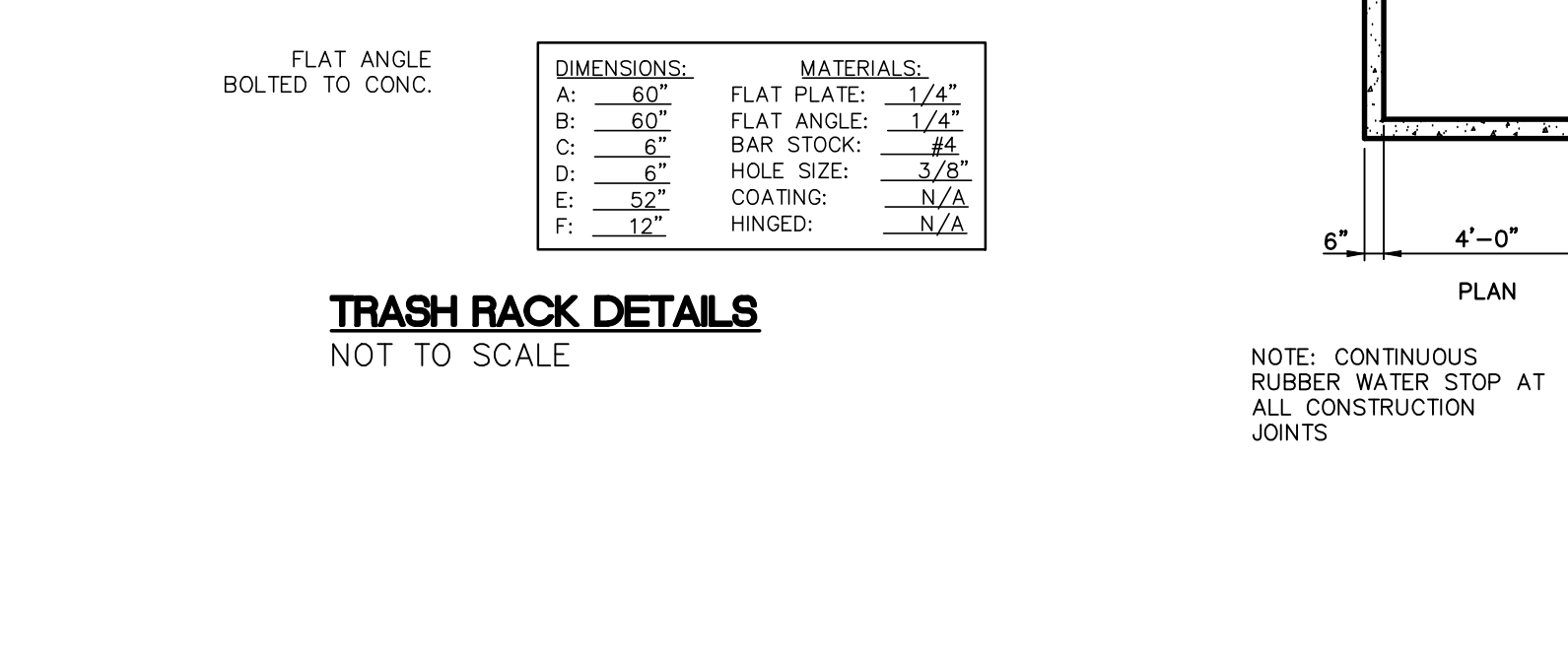
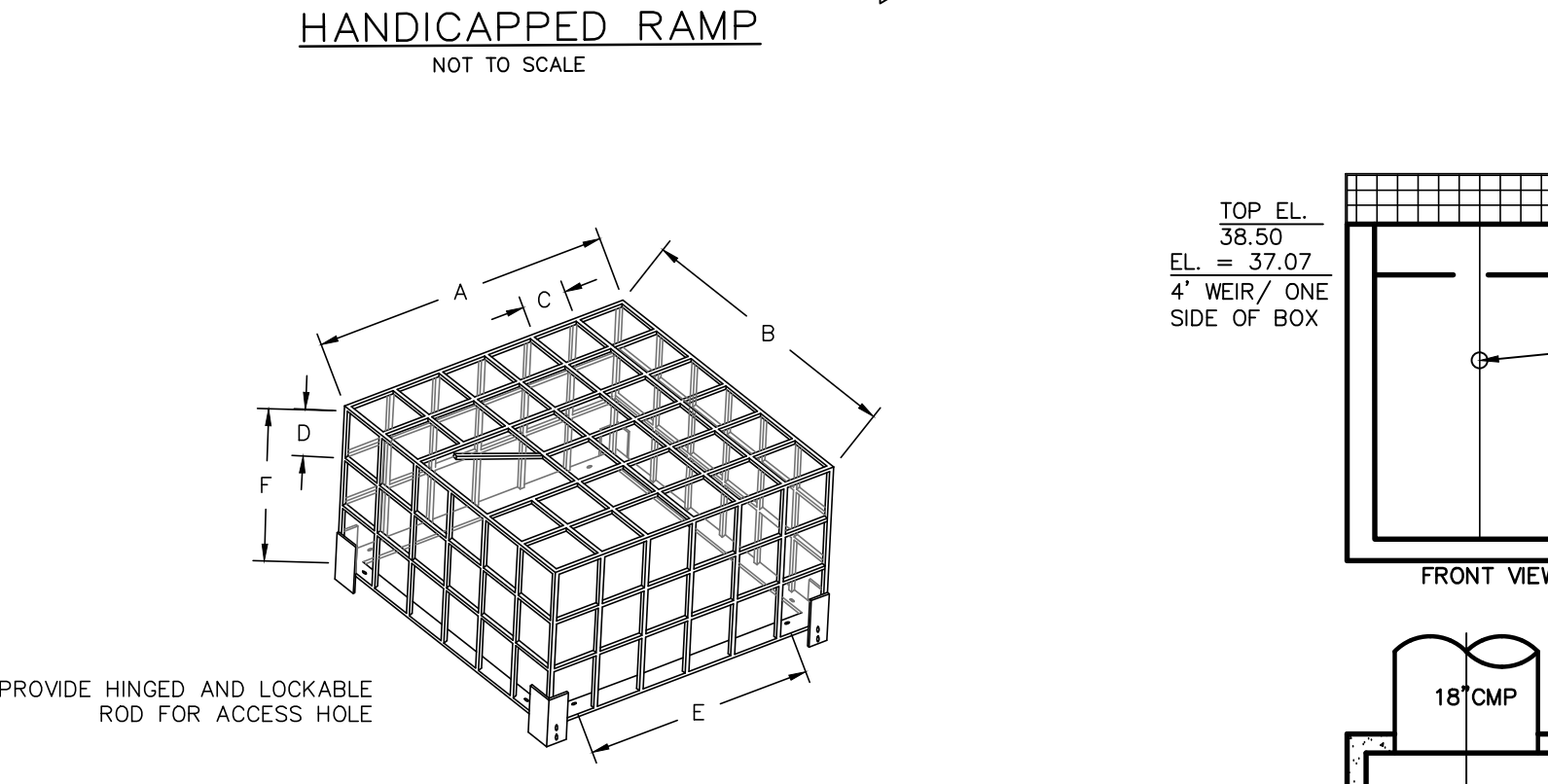
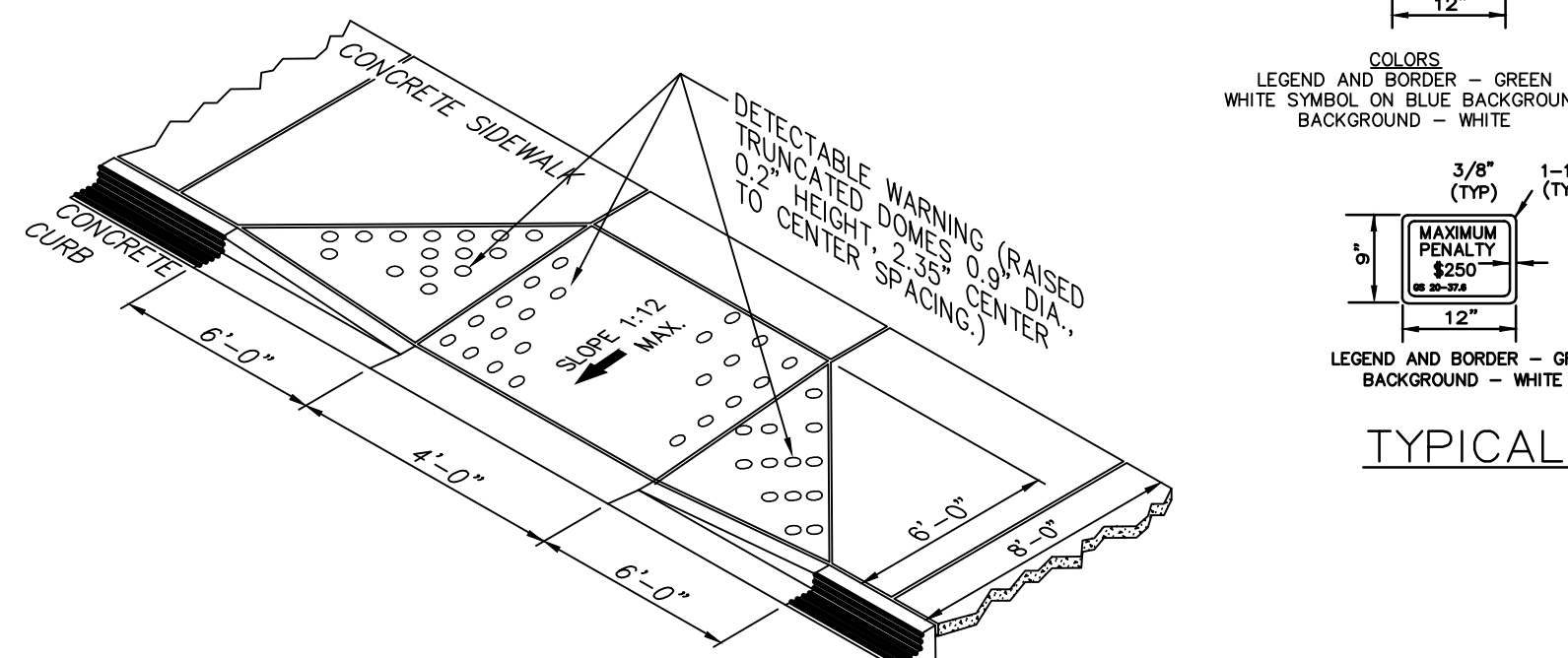
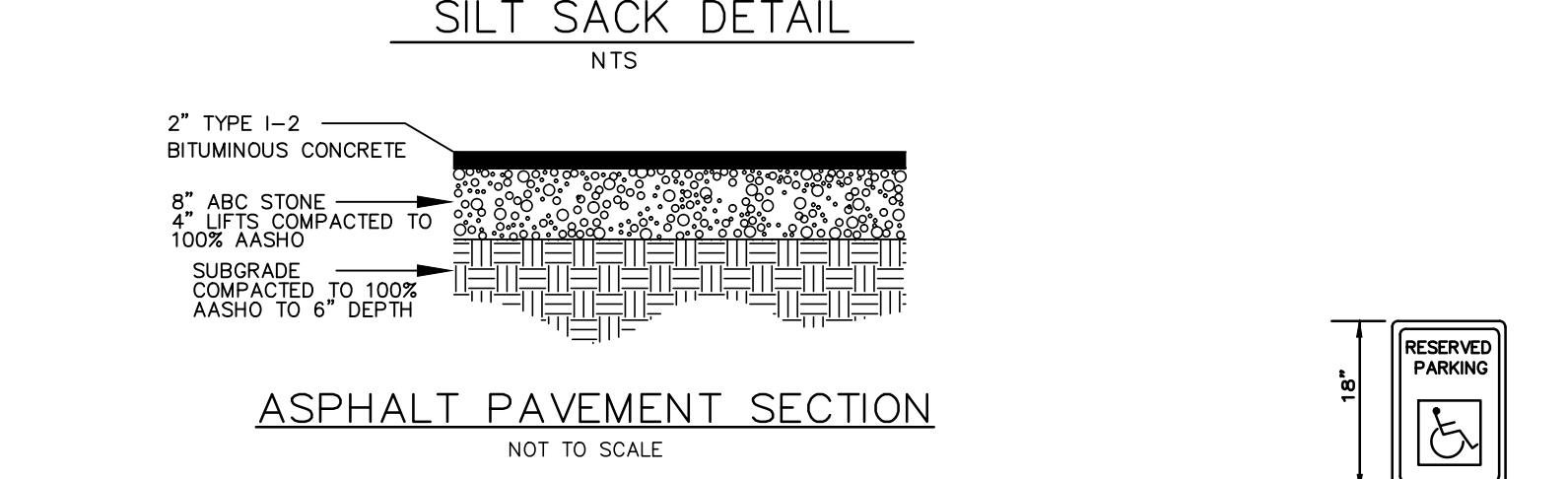
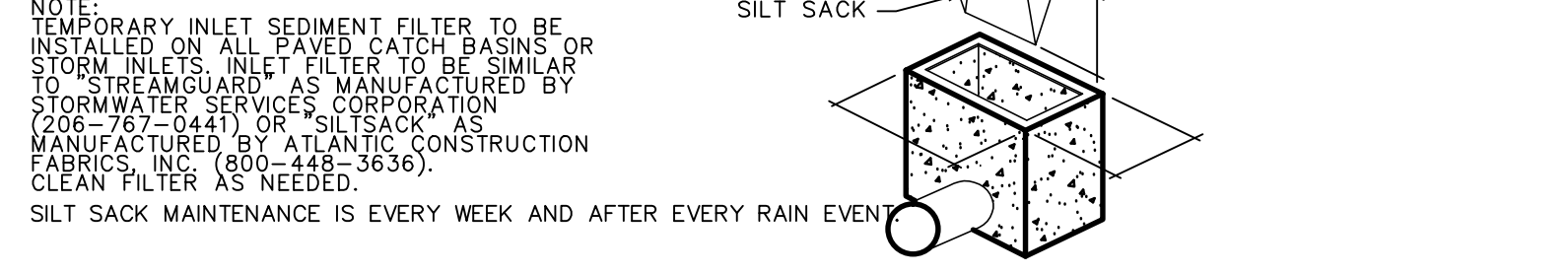
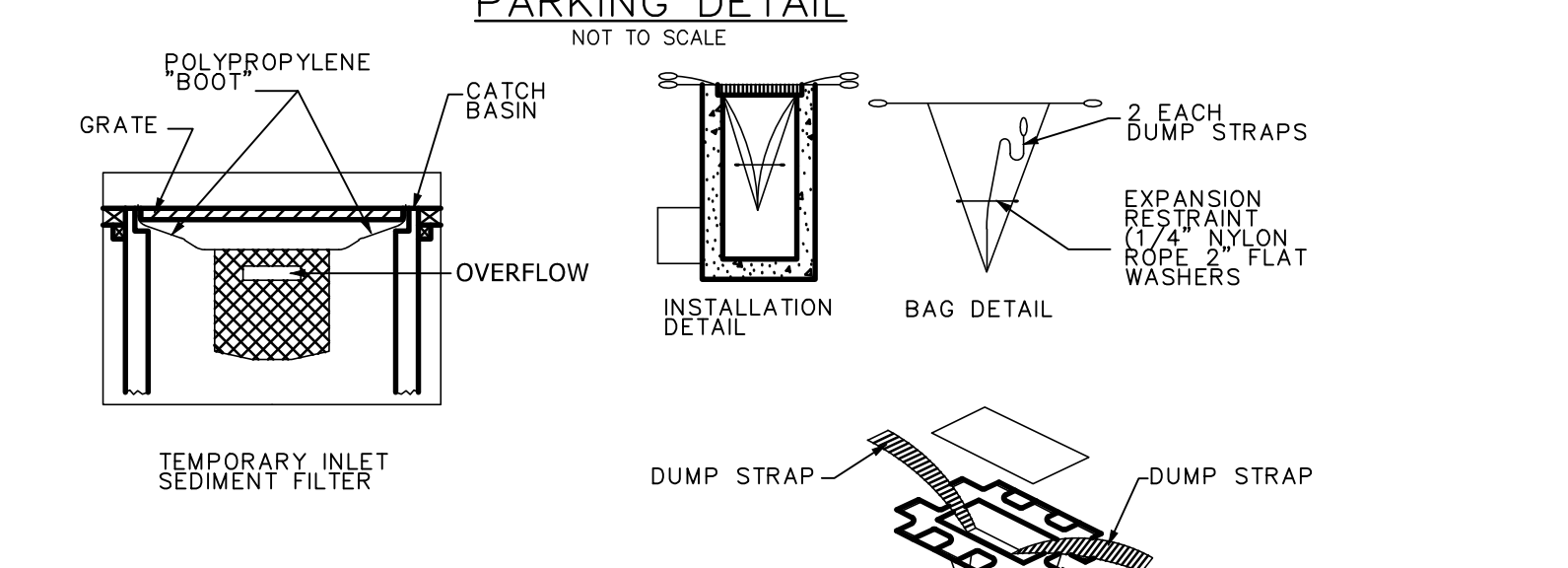
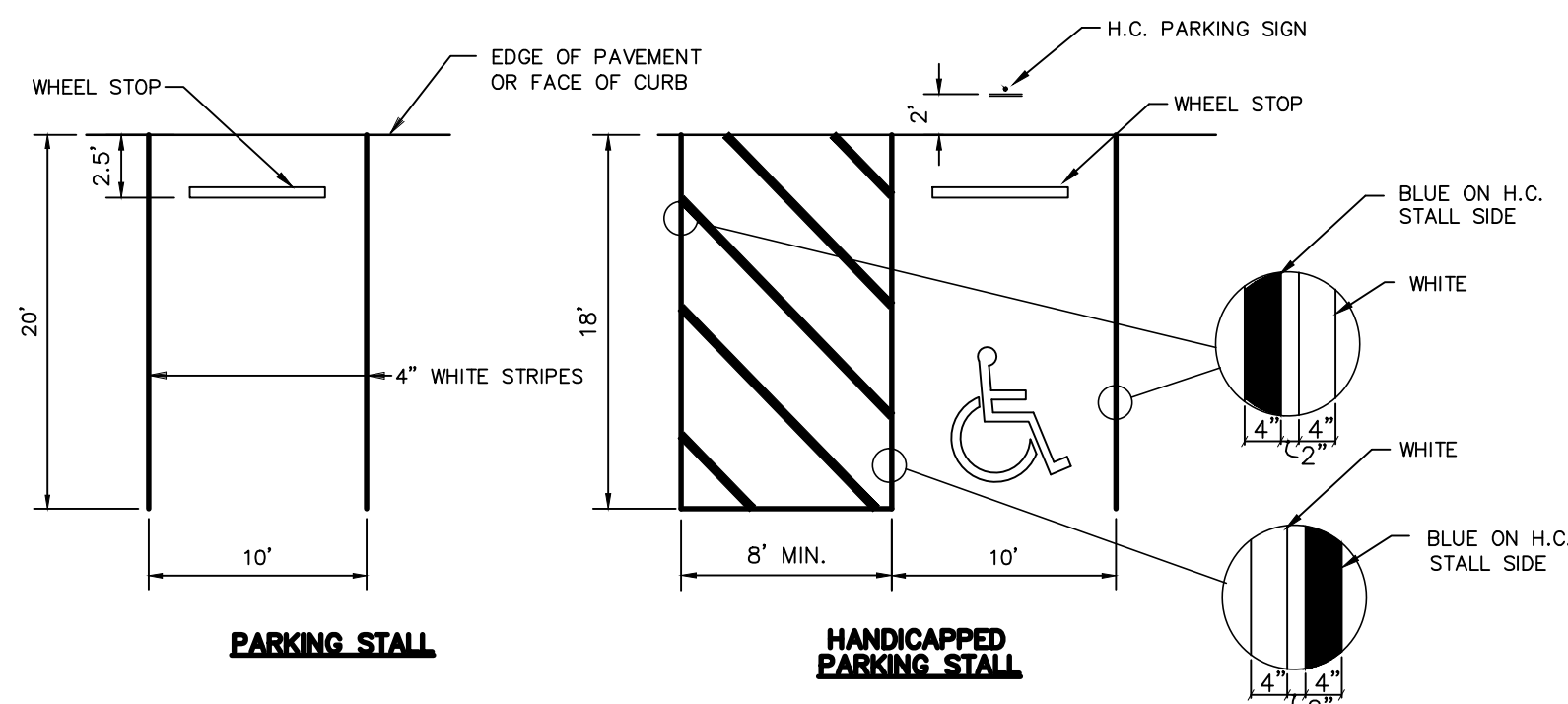
EX. STORMWATER POND PROFILE
 SCALE 1" = 20' H
 1" = 2' V



NO WETLAND WITHIN PROJECT AREA



NO.	DATE	REVISION
1	7/28/16	MORE COMMENTS FROM COW STORM



Approved Construction Plan

Name _____ Date _____

Planning _____

Traffic _____

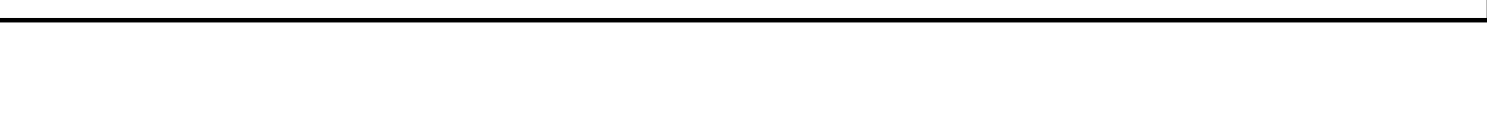
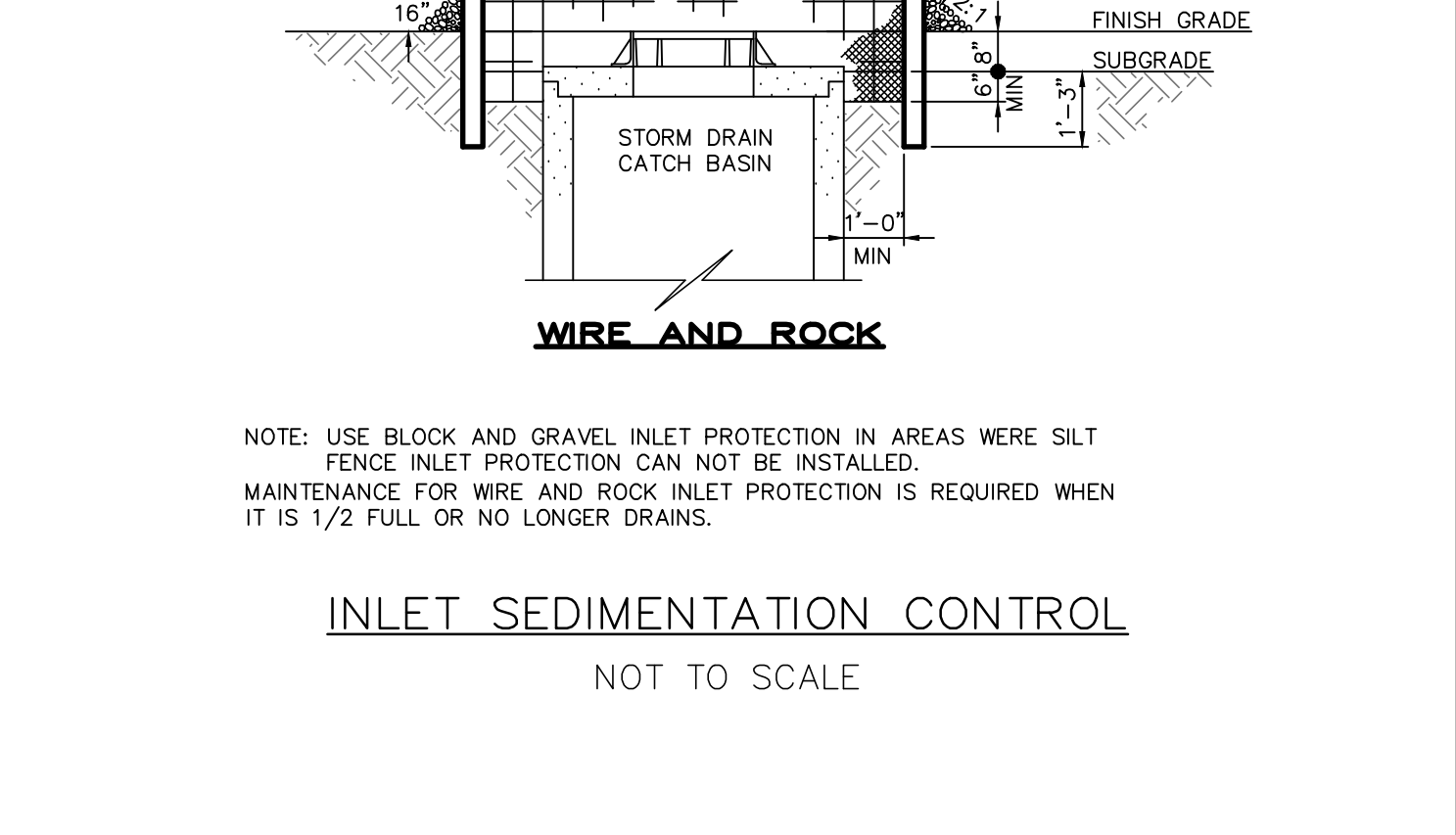
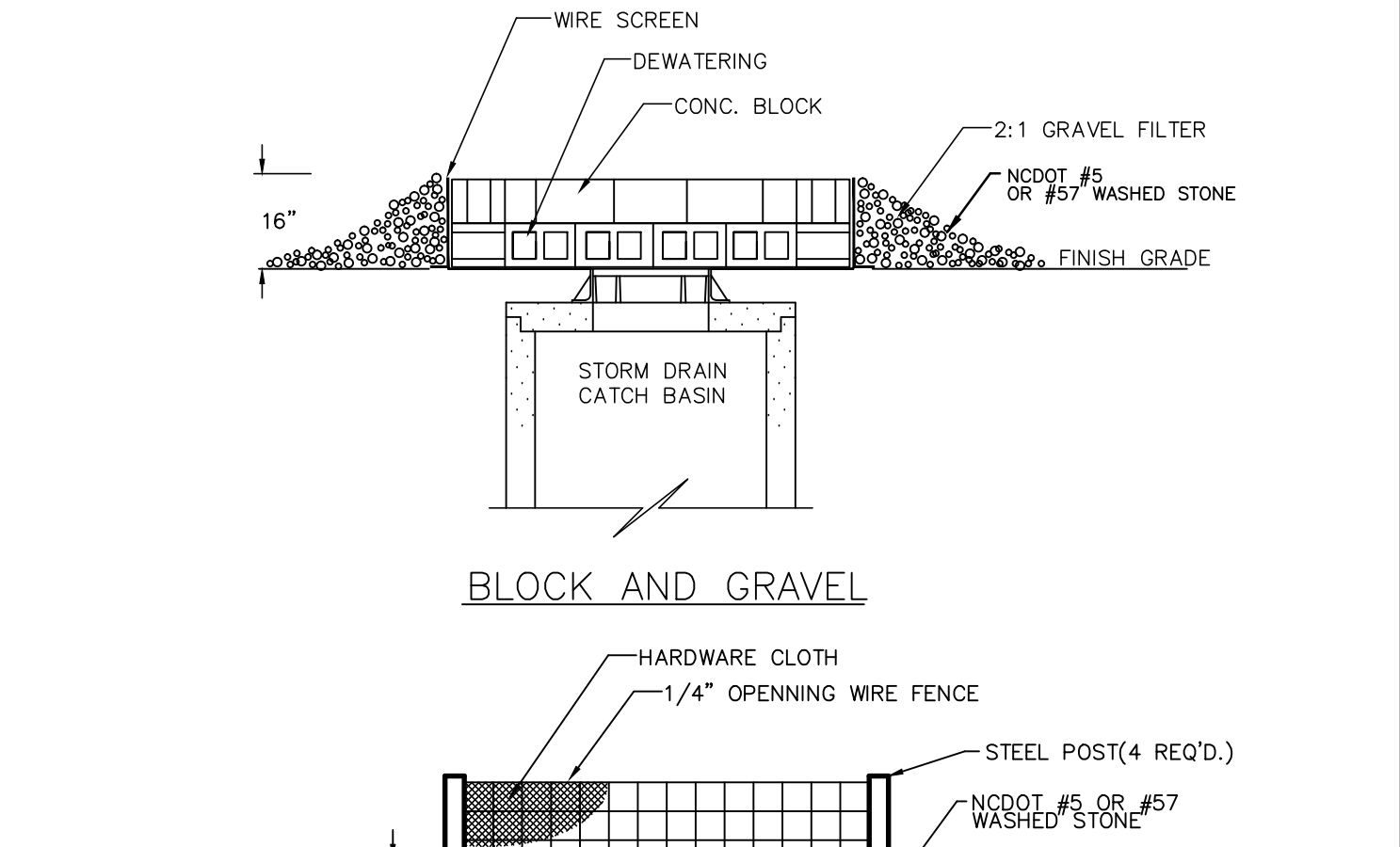
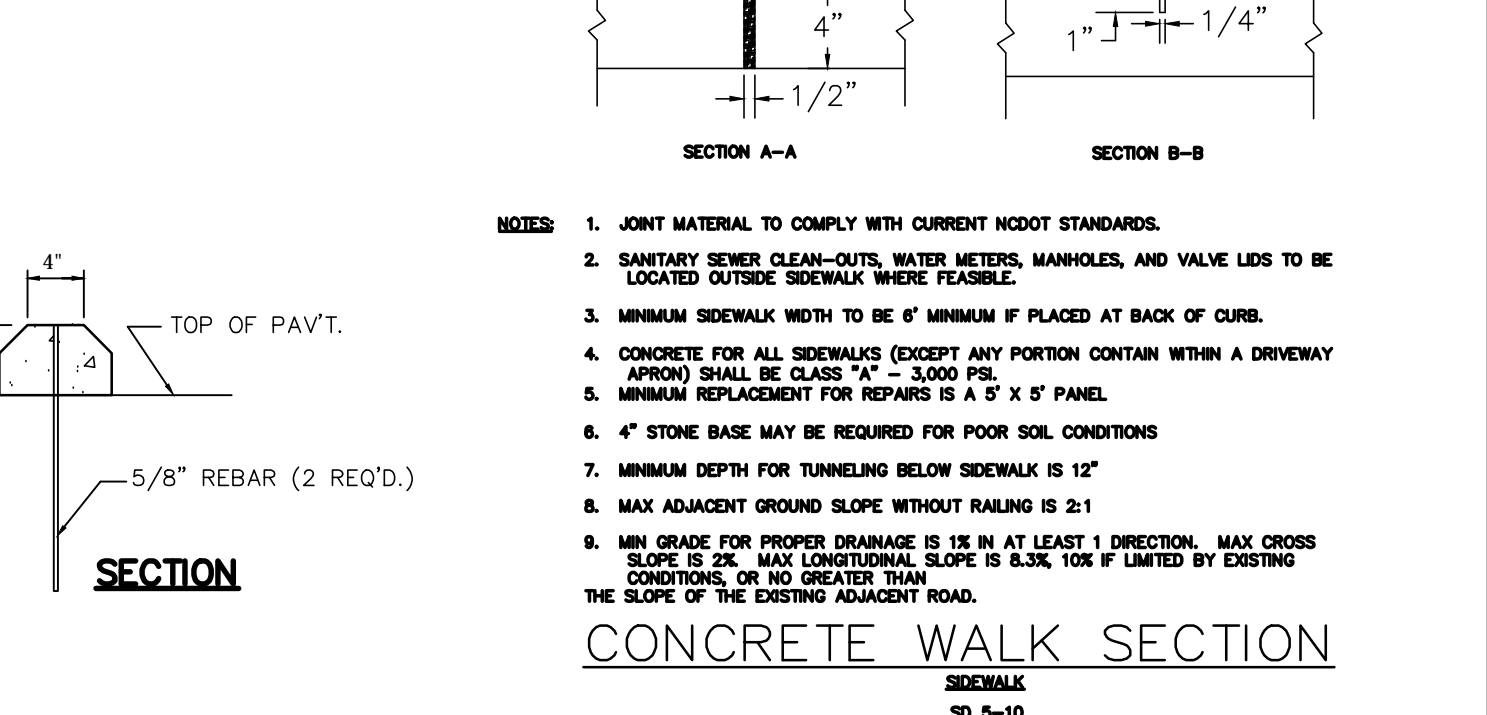
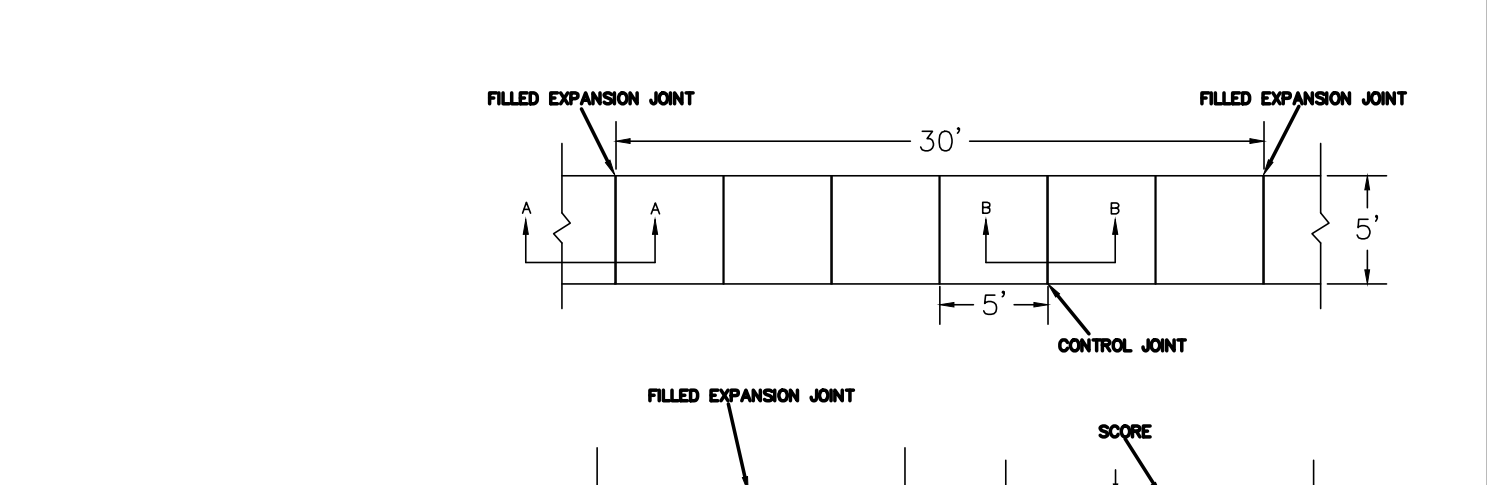
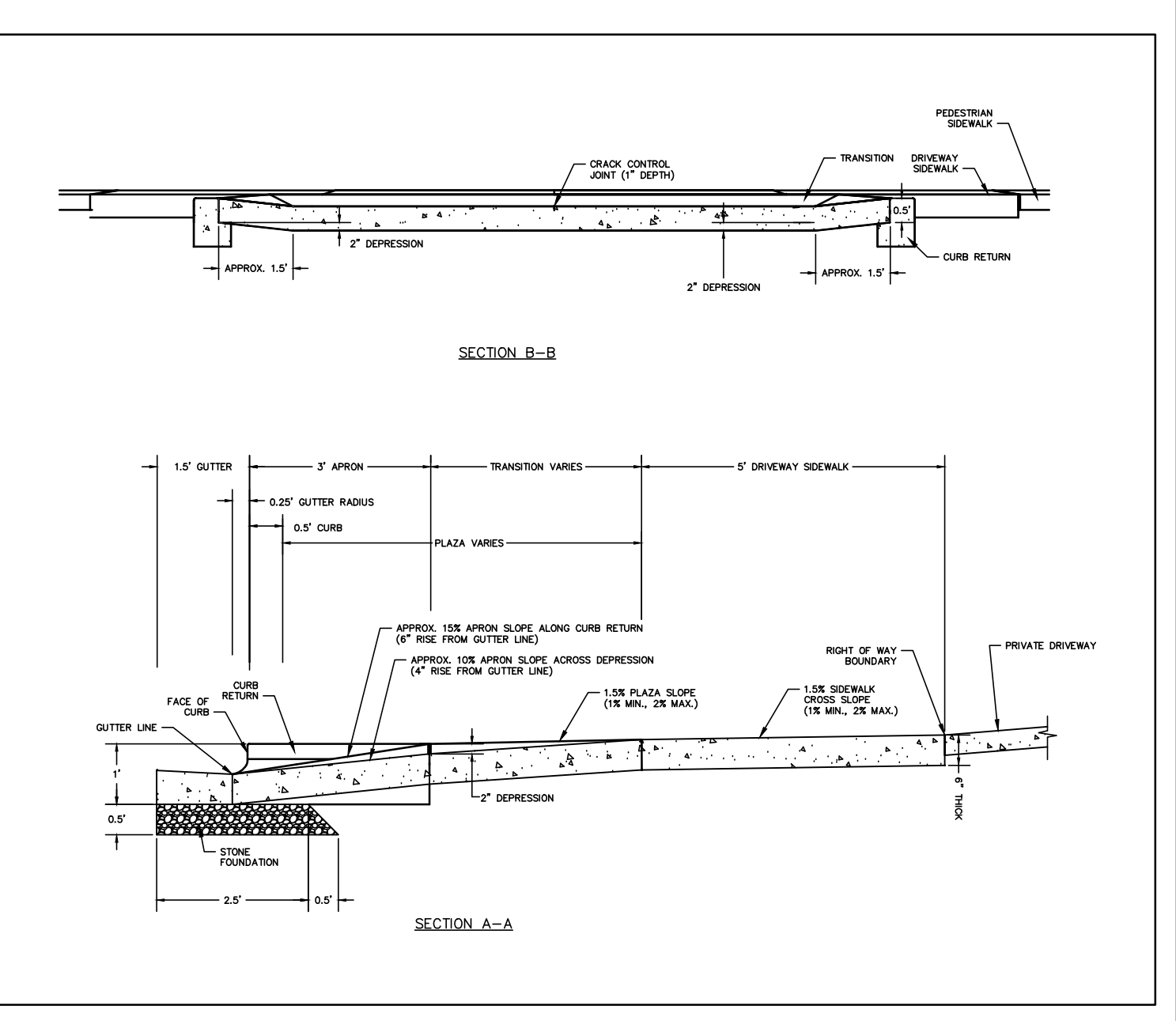
Fire _____

STORMWATER MANAGEMENT PLAN APPROVED

CITY OF WILMINGTON
 ENGINEERING DEPARTMENT

DATE _____ PERMIT # _____

SIGNED _____



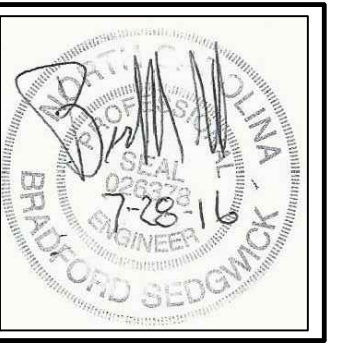
REVISION	DATE	DESCRIPTION
1	7/28/16	MORE COMMENTS FROM COW STORM

7/28/2016 3:10:08 PM

DESIGN BY: BDS
 DRAWN BY: BDS
 CHECKED BY: BDS
 DATE: FEBRUARY, 2015

JBS CONSULTING, PA
 7332 Colesworth Drive
 Wilmington, NC 28045
 (910) 619-9990
 LICENSE NUMBER C-2525

PLANNING - ENGINEERING - PROJECT MANAGEMENT



DETAILS

GOVERNMENT RESOURCE CENTER
 127 CARDINAL DRIVE EXTENSION
 WILMINGTON, NORTH CAROLINA 28405

CARD HOLDINGS, LLC
 1135 MILITARY CUTOFF ROAD
 WILMINGTON, NC 28405
 1-910-256-0044

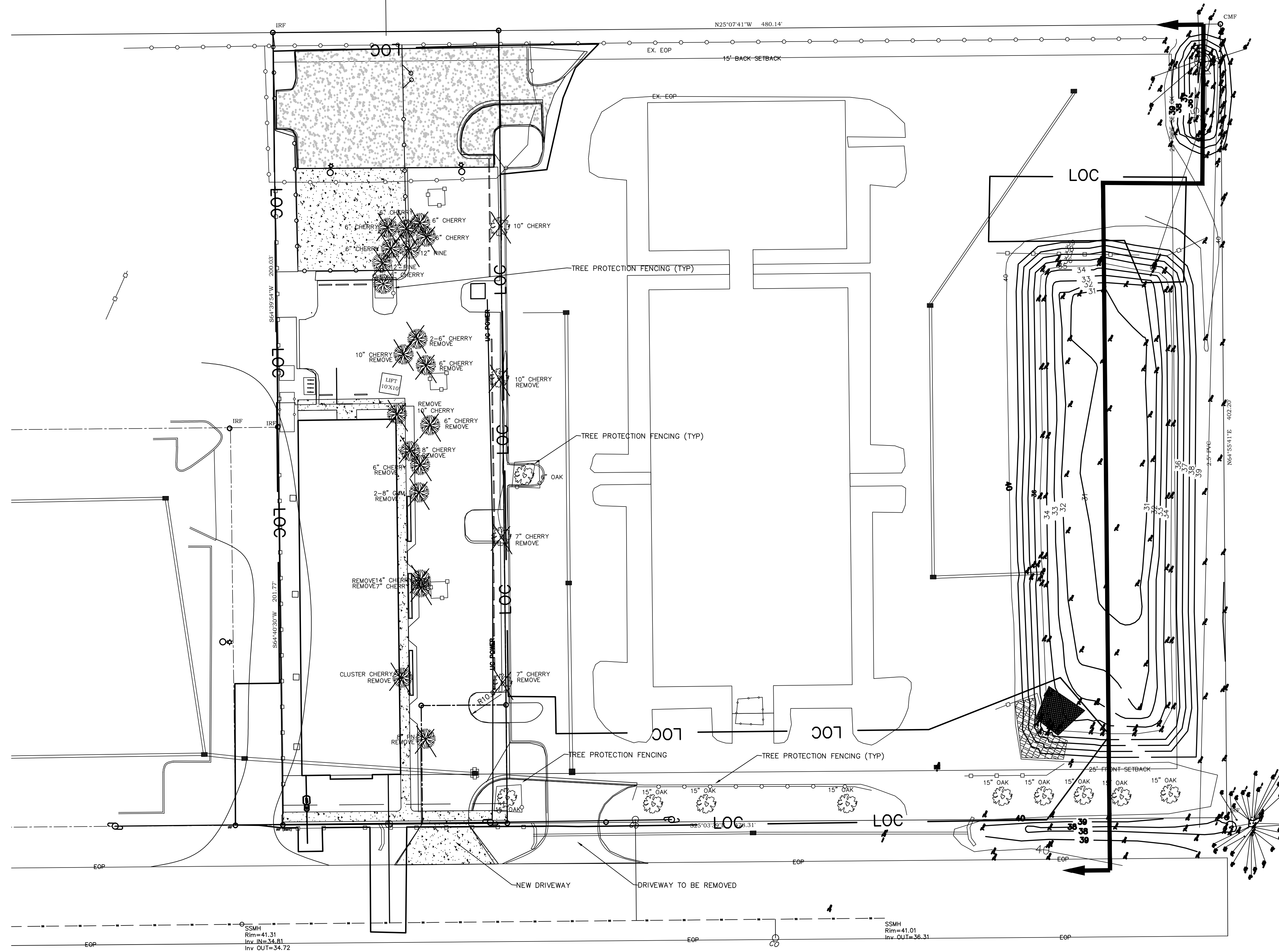
SHEET

C3

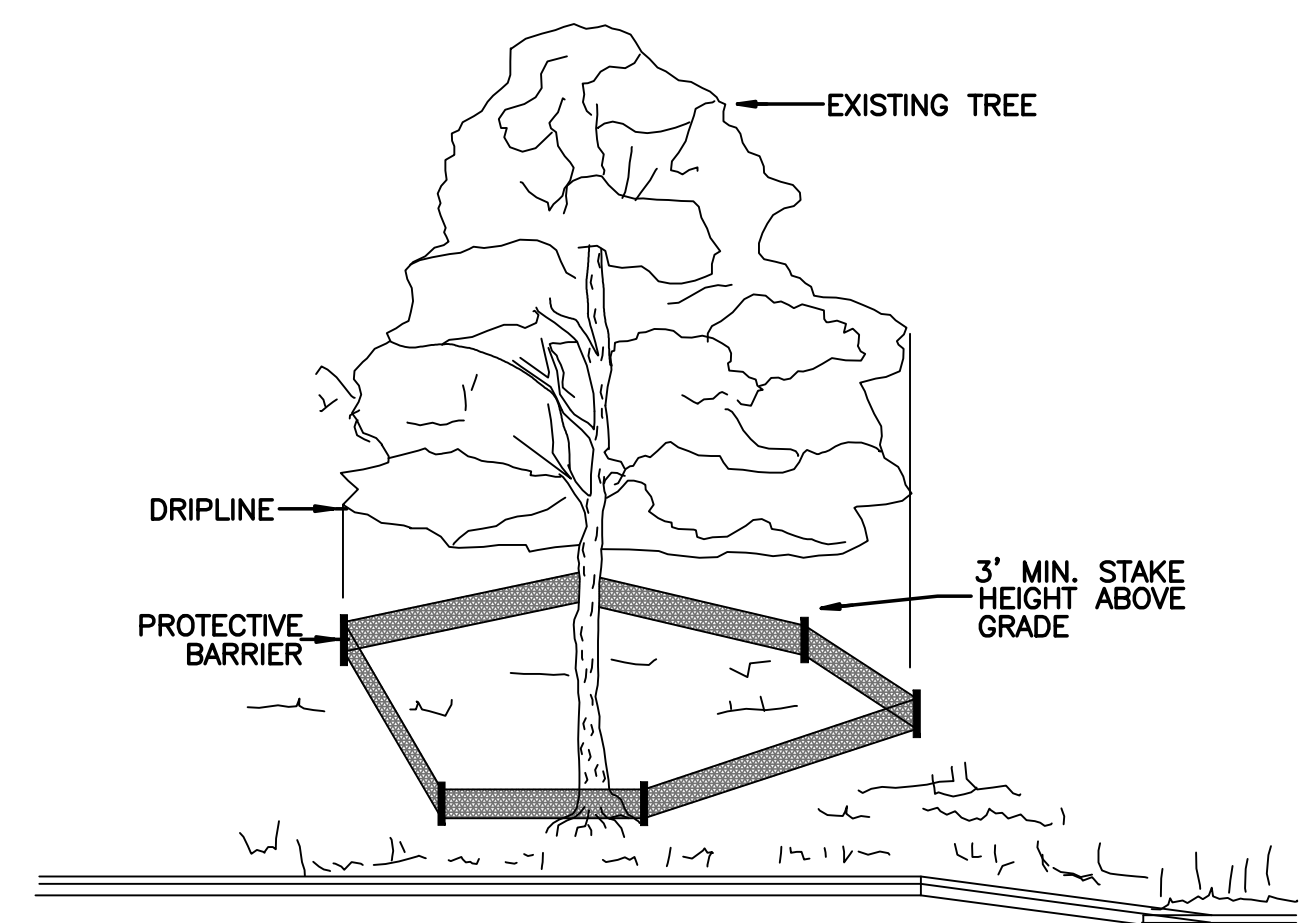
of 6

JOB NO. 051-004

REVISION NUMBER	DATE	DESCRIPTION
06	7-13-16	REVISED PER COW SIGN/MATERIAL COMMENTS DATED 7-7-16
05	5-25-16	REVISED PER TRC VERSION 4 COMMENTS
04	5-25-16	REVISED PER PLANNING AND TRAFFIC COMMENTS
03	5-17-16	REVISED PER PLANNING AND TRAFFIC COMMENTS
02	4-22-15	SUBMITTED TO COW WITH TRC COMMENTS ADDRESSED
01		REVISION

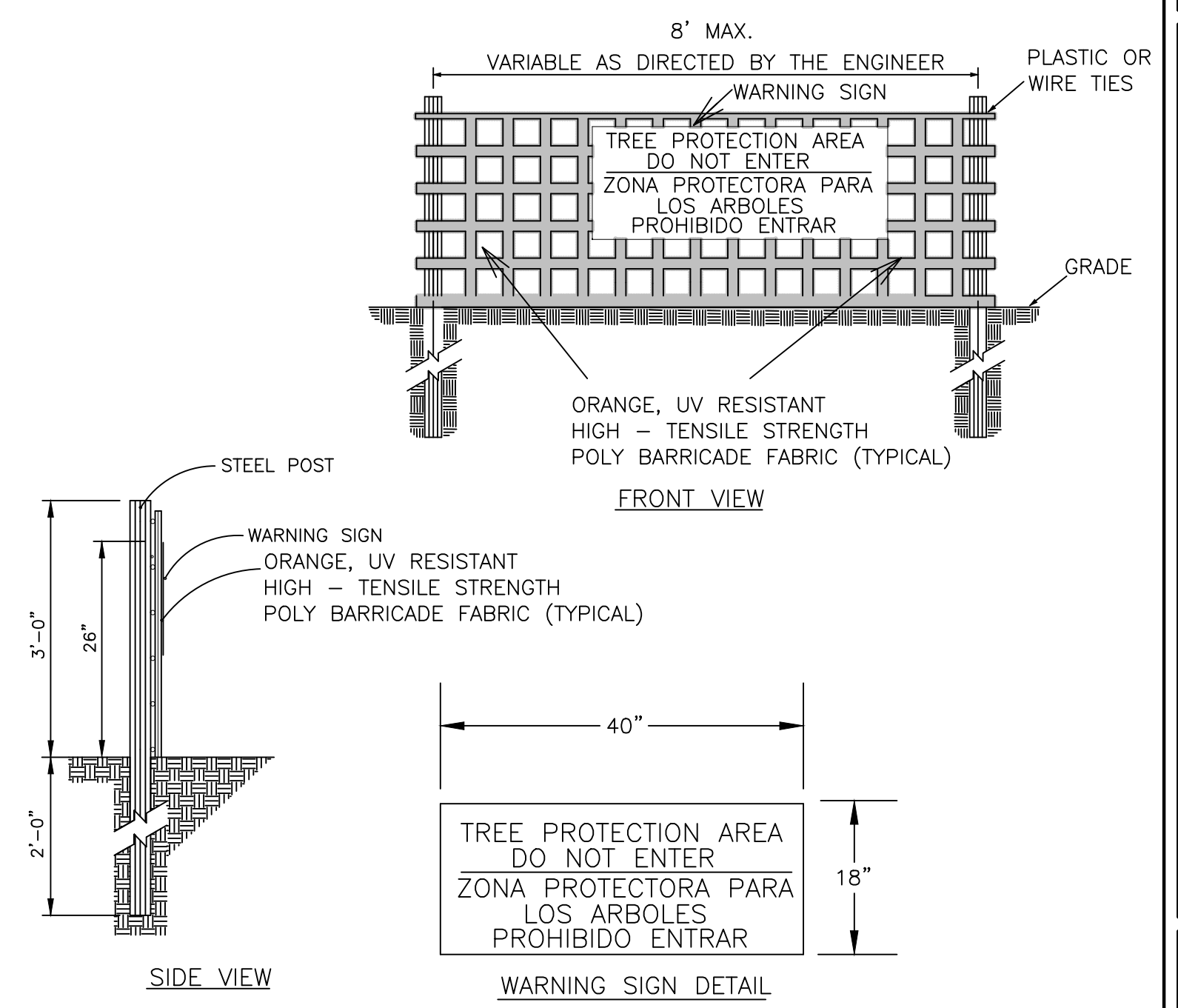


TREE INVENTORY MAP
SCALE 1" = 30'



TREES TO BE SAVED WILL BE CLEARLY MARKED PRIOR TO CONSTRUCTION AND A PROTECTIVE BARRIER IS TO BE INSTALLED AT THE DRIPLINE.
DRIPLINE - THE AREA OF SOIL DIRECTLY BENEATH THE TREE EXTENDING OUT TO THE TIPS OF THE OUTERMOST BRANCHES.
CONTRACTOR TO COMPLY WITH COW SIGN ORDINANCE FOR MARKING FENCING

METHOD OF TREE PROTECTION DURING CONSTRUCTION
SD 15-08
NOT TO SCALE

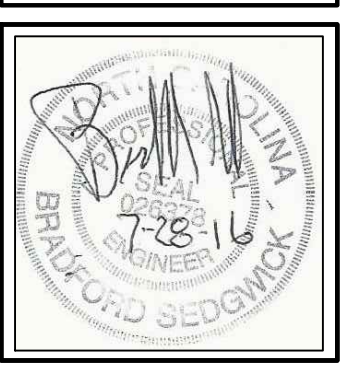


- NOTES:
1. THE TREE PROTECTION FENCING SHALL NOT BE VIOLATED FOR THE ENTIRE DURATION OF THE PROJECT WITHOUT APPROVAL FROM URBAN FORESTRY STAFF.
 2. WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL. LETTERS TO BE 3" HIGH, MINIMUM, CLEARLY LEGIBLE AND SPACED AS DETAILED.
 3. SIGNS SHALL BE PLACED AT 50' MAXIMUM INTERVALS. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER. FOR TREE PROTECTION AREAS LESS THAN 100' IN PERIMETER, PROVIDE NO LESS THAN TWO SIGNS PER PROTECTION AREA.
 4. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC. MAINTAIN TREE PROTECTION FENCE AND SIGNS THROUGHOUT DURATION OF PROJECT.
 5. TREE PROTECTION FENCING AND SIGNAGE SHALL BE REMOVED AFTER CONSTRUCTION.
 6. ADDITIONAL SIGNS MAY BE REQUIRED BY CITY OF WILMINGTON, BASED ON ACTUAL FIELD CONDITIONS.

TREE PROTECTION DURING CONSTRUCTION
SD 15-09
NOT TO SCALE

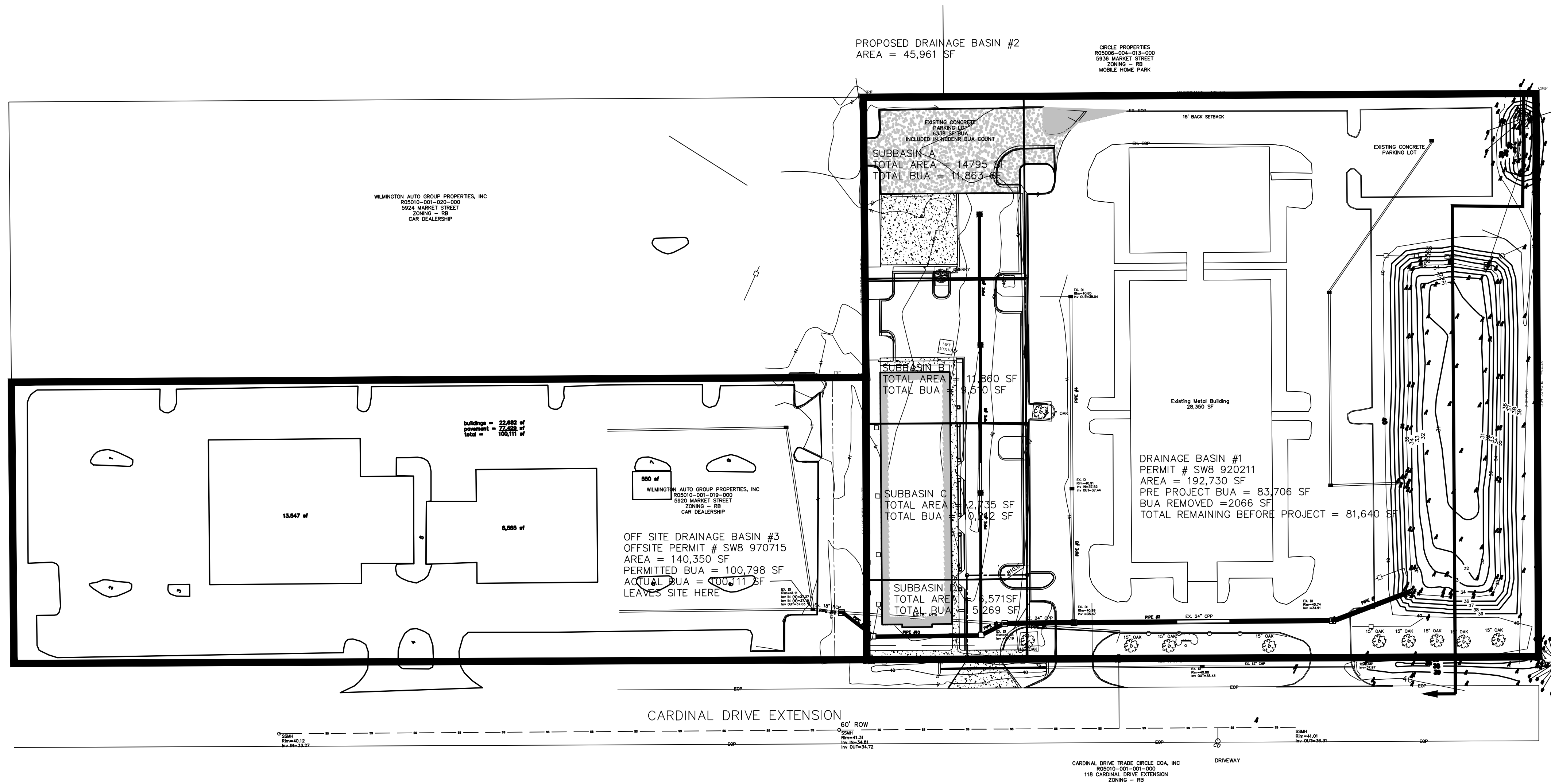
DESIGN BY: BDS
DRAWN BY: BDS
CHECKED BY: BDS
DATE: FEBRUARY, 2015

JBS CONSULTING, PA
7332 Cotesworth Drive
Wilmington, NC 28045
(910) 619-9990
LICENSE NUMBER C-2525
PLANNING - ENGINEERING - PROJECT MANAGEMENT



TREE INVENTORY MAP
GOVERNMENT RESOURCE CENTER
127 CARDINAL DRIVE EXTENSION
WILMINGTON, NORTH CAROLINA 28405

CARD HOLDINGS, LLC
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1-910-256-0044



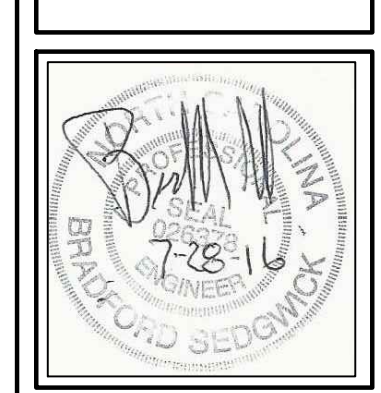
DRAINAGE BASIN
SCALE 1" = 50'

NO.	DATE	REVISION
1	7-13-16	REVISED PER CIVIL/SURVIVOR COMMENTS DATED 7-7-16
2	5-25-16	REVISED PER TRC REVISION COMMENTS
3	4-22-16	SUBMITTED TO CIVIL WITH TRC COMMENTS ADDRESSED
4		REVISION

7/28/2016 3:10:18 PM

DESIGN BY: BDS
DRAWN BY: BDS
CHECKED BY: BDS
DATE: FEBRUARY, 2015

JBS CONSULTING, PA
7332 Catesworth Drive
Wilmington, NC 28045
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LICENSE NUMBER C-2525
PLANNING - ENGINEERING - PROJECT MANAGEMENT



DRAINAGE BASIN
GOVERNMENT RESOURCE CENTER
127 CARDINAL DRIVE EXTENSION
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C5
of 6
JOB NO. 051-004