

HOGGARD HIGH SCHOOL BASEBALL FACILITY BUILDING UPGRADE

WILMINGTON, NORTH CAROLINA

TRC SUBMITTAL SET JUNE 2015

PROJECT ADDRESS:
4305 Shipyard Blvd.
Wilmington, NC 28403

NCDCENR PWSS WATER PERMIT #:	_____
WATER CAPACITY:	_____ GPD
DWQ SEWER PERMIT #:	_____
SEWER CAPACITY:	_____ GPD
SEWER SHED # AND PLANT:	_____
SEWER TO FLOW THROUGH NEI:	YES or NO (CIRCLE ONE)

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

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: _____ Permit # _____
Signed: _____

Approved Construction Plan

Name	Date
Planning _____	_____
Traffic _____	_____
Fire _____	_____

NOTICE REQUIRED

ALL EXISTING UNDERGROUND UTILITIES SHALL BE PHYSICALLY LOCATED PRIOR TO THE BEGINNING OF ANY CONSTRUCTION IN THE VICINITY OF SAID UTILITIES.

CONTRACTORS SHALL NOTIFY OPERATORS WHO MAINTAIN UNDERGROUND UTILITY LINES IN THE AREA OF PROPOSED EXCAVATION AT LEAST TWO WORKING DAYS, BUT NOT MORE THAN TEN WORKING DAYS PRIOR TO COMMENCEMENT OF EXCAVATION OR DEMOLITION.

CONTACT "CAROLINA ONE CALL" AT
1-800-632-4949

CONTACT THESE UTILITIES

CITY OF WILMINGTON - PLANNING, DEVELOPMENT, & TRANSPORTATION DEPARTMENT
ATTN: BRIAN CHAMBERS
PH: 910-342-2782
PIEDMONT NATURAL GAS
ATTN: CARL PAQUET
PH: 910-350-2242

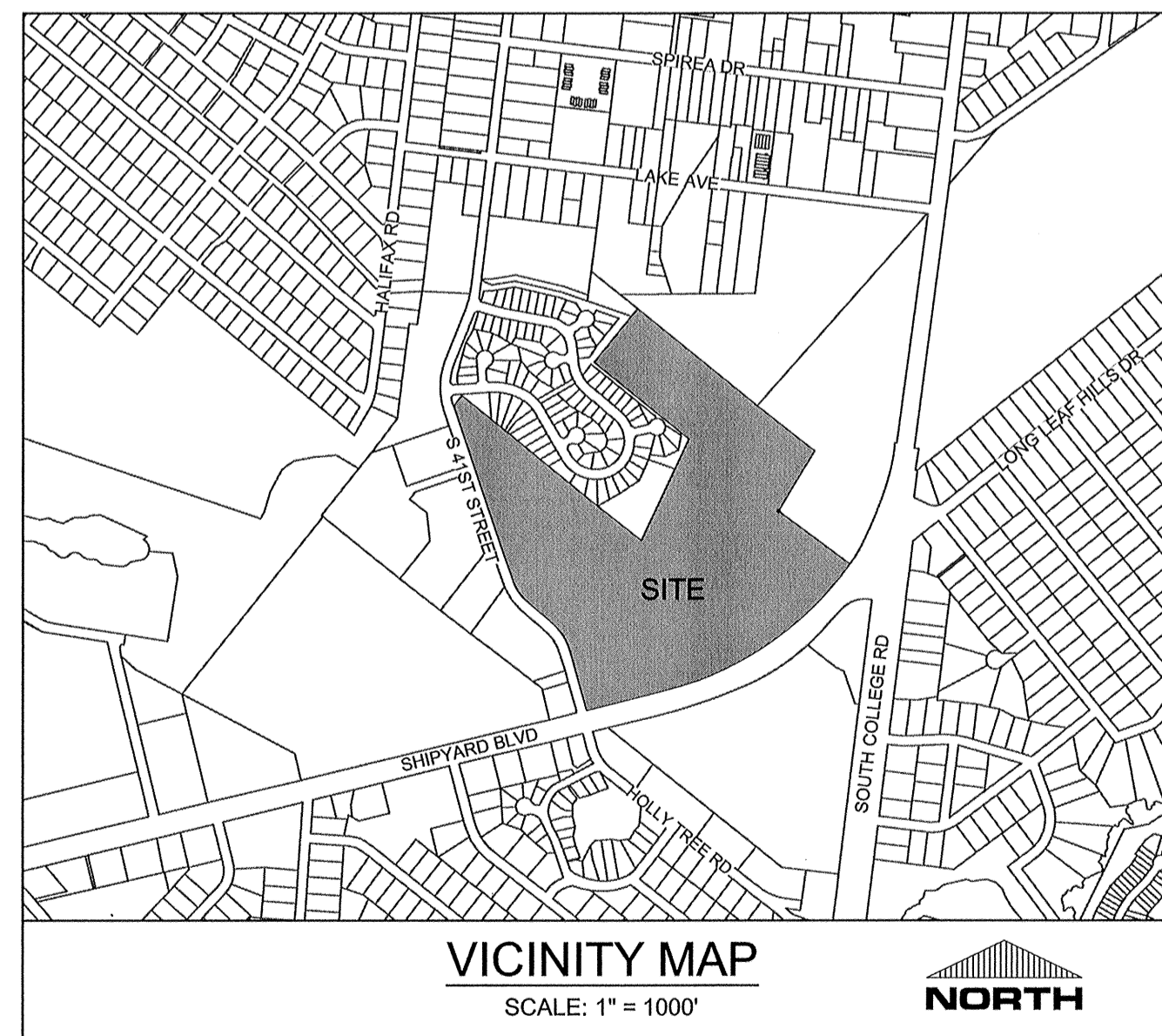
EMERGENCY DIAL 911
POLICE - FIRE - RESCUE

CAPE FEAR PUBLIC UTILITY AUTHORITY (WATER & SEWER)
ATTN: FRANK STYERS
PH: 910-332-6670

DUKE ENERGY PROGRESS
ATTN: KEVIN LEATHERWOOD
PH: 910-602-4304

BELL SOUTH
ATTN: STEVE DAYVAULT
PH: 910-332-8712

TIME WARNER CABLE
PH: 910-763-4638



DEVELOPER:
FRIENDS OF HOGGARD BASEBALL
5417 WHALER WAY
WILMINGTON, NC 28409

CIVIL ENGINEERS, LAND PLANNERS & LANDSCAPE ARCHITECTS:

PARAMOUNTE ENGINEERING, INC.
5911 OLEANDER DRIVE, SUITE 201
WILMINGTON, NORTH CAROLINA 28403
ATTN: DAN WEEKS, RLA (910) 791-6707

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
C-0.0	COVER SHEET
C-1.0	GENERAL NOTES
C-2.0	SITE PLAN
C-3.0	GRADING AND DRAINAGE
EX-1	EXISTING CONDITIONS

PREPARED BY:
PARAMOUNTE
ENGINEERING, INC.
5911 Oleander Drive, Suite 201
Wilmington, North Carolina 28403
(910) 791-6707 (F) (910) 791-6700 (F)
NC License # C-2846
PROJECT # 15186.PE

REVISIONS:	DATE	BY	DESCRIPTION

CLIENT INFORMATION:
Friends of Hoggard Baseball
5417 Whaler Way
Wilmington NC 28409

PARAMOUNTE
ENGINEERING, INC.
5911 Oleander Drive, Suite 201
Wilmington, North Carolina 28403
(910) 791-6707 (F) (910) 791-6700 (F)
NC License #: C-2846

COVER SHEET
HOGGARD BASEBALL FACILITY BUILDING UPGRADE
CITY OF WILMINGTON
NORTH CAROLINA

PROJECT STATUS:
CONCEPTUAL LAYOUT: _____
FINAL DESIGN: _____
RELEASED FOR CONSTRUCTION: _____

DRAWING INFORMATION:
DATE: _____
SCALE: _____
DRAWN BY: _____
CHECKED BY: _____

SEAL: _____
028852
7/23/15

C-0.0
PEI JOB#: 15186.PE

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

SITE DATA TABULATION
 OWNER: NEW HANOVER COUNTY SCHOOL BOARD
 PROJECT ADDRESS: JOHN T HOGGARD HIGH SCHOOL
 NEW HANOVER COUNTY PARCEL #: 4305 SHIPYARD BLVD.
 TAX PARCEL IDENTIFICATION #: R06114-001-001-000 (project area is ± 0.47 ac out of 60.56 ac)
 RECORDED LOT #: R06114-001-001-000
 CURRENT ZONING: M.B. 5791, PG 0776
 CAMA LAND USE CLASSIFICATION: OFFICE & INSTITUTIONAL-1 (O&I-1)
 MAXIMUM ALLOWABLE BUILDING HEIGHT: URBAN
 PROPOSED BUILDING HEIGHT: 45'
 EXISTING LAND USE: EDUCATIONAL
 PROPOSED LAND USE: EDUCATIONAL

UTILITY INFORMATION
SANITARY SEWER
 EXISTING SANITARY SEWER SERVICE WILL BE RETROFITTED TO SERVE THE SHIFTED BUILDING LOCATION. NO ADDITIONAL FLOW ALLOCATION OR ADDITIONAL SERVICES WILL BE REQUIRED TO SERVE THE UPDATED CONCESSION/RESTROOM BUILDING. SANITARY SEWER ALLOCATION PROVIDED BY CFPWA. PROPOSED SANITARY SEWER SERVICE SHALL BE OWNED AND MAINTAINED BY NEW HANOVER COUNTY SCHOOLS. ALL MATERIAL AND INSTALLATION SHALL CONFORM WITH BUILDING CODE REQUIREMENTS.
WATER
 EXISTING WATER SERVICE WILL BE RETROFITTED TO SERVE THE SHIFTED BUILDING LOCATION. NO ADDITIONAL FLOW ALLOCATION OR ADDITIONAL SERVICES WILL BE REQUIRED TO SERVE THE UPDATED CONCESSION/RESTROOM BUILDING. WATER SERVICE ALLOCATION PROVIDED BY CFPWA. PROPOSED WATER SERVICE SHALL BE OWNED AND MAINTAINED BY NEW HANOVER COUNTY SCHOOLS. ALL MATERIAL AND INSTALLATION SHALL CONFORM WITH BUILDING CODE REQUIREMENTS.

USE INFORMATION
WATER:
 CURRENT USE: 1,280 GPD (ESTIMATED - ONLY WHILE IN USE)
 PROPOSED USE: SAME AS CURRENT
SEWER:
 CURRENT USE: 1,160 (ESTIMATED - ONLY WHILE IN USE)
 PROPOSED USE: SAME AS CURRENT

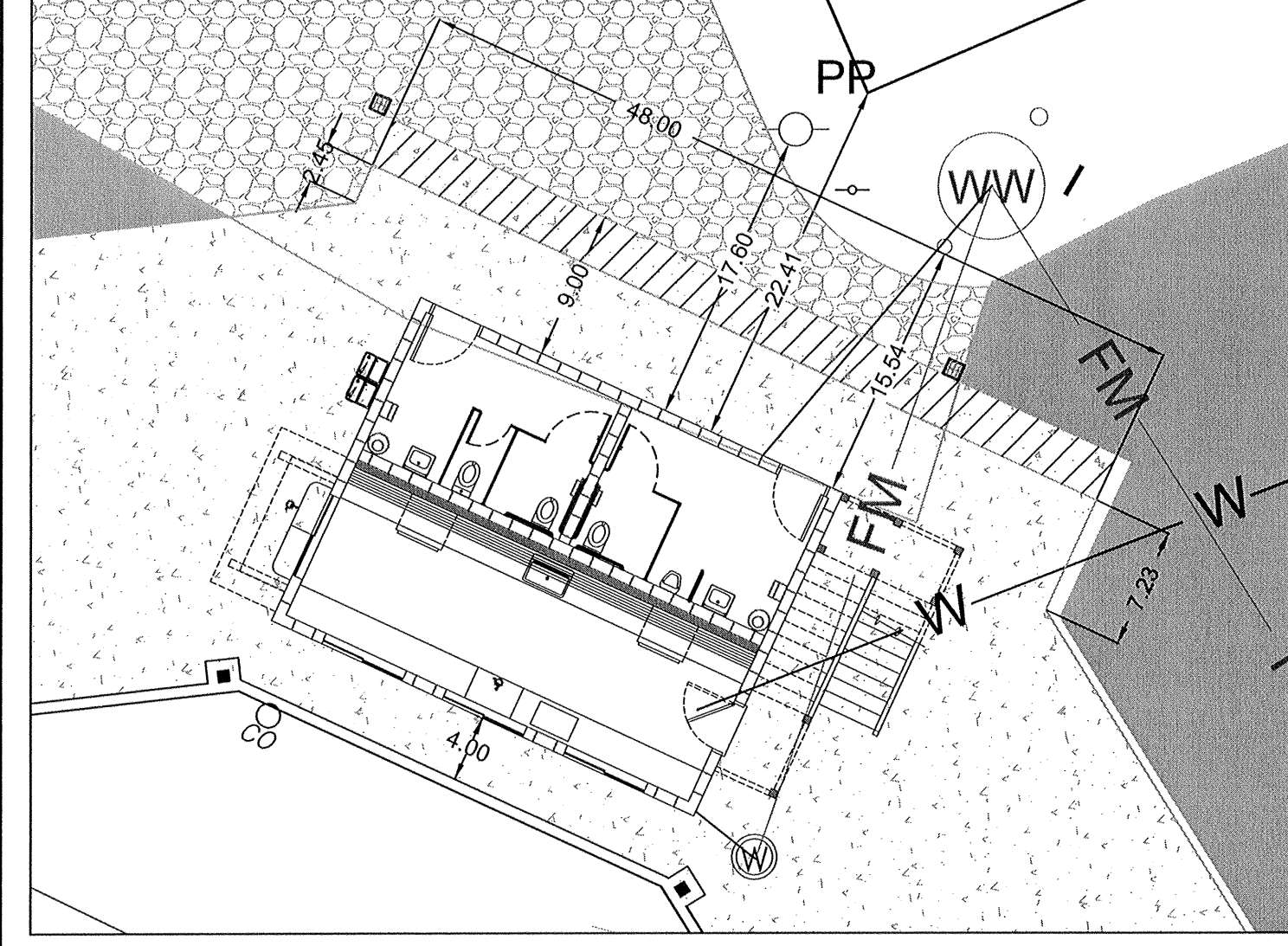
FLOOD NOTE
 THIS PARCEL LIES IN ZONE X (MINIMAL FLOOD RISK). THIS PARCEL HAS FIRM PANEL # 3136, WITH MAP # 3720313600J WITH AN EFFECTIVE DATE OF APRIL 3, 2006.

SURVEY DATUM
 HORIZONTAL CONTROL: NAD 83-2011
 VERTICAL CONTROL: NAVD 88

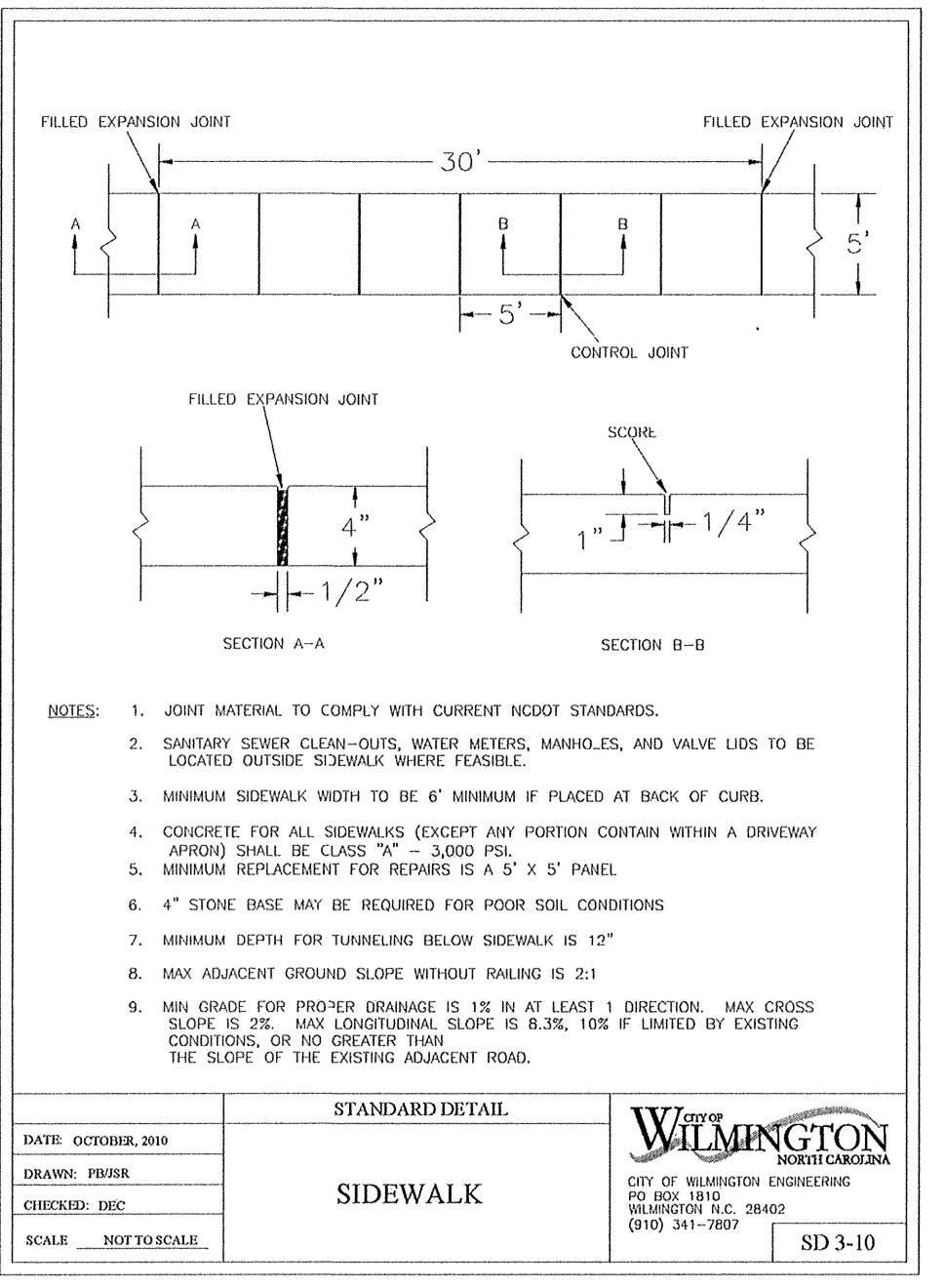
- NOTES**
- THERE ARE NO EXISTING TREES TO BE REMOVED FROM THE SITE.
 - A PORTION OF THE PROPERTY IS LOCATED IN THE CAMA LAND CLASSIFICATION WATERSHED RESOURCE PROTECTION (WRP) AREA AND IMPERVIOUS AREAS SHALL BE LIMITED TO 25% UNLESS THE PROJECT MEETS LDC ARTICLE 10 - EXCEPTIONALLY DESIGNED PROJECTS; HOWEVER, NO PORTION OF THE BASEBALL FACILITY UPGRADE PROJECT IS LOCATED IN THE WRP AREA.
 - A PORTION OF THE PROPERTY IS ENCUMBERED BY WETLANDS; HOWEVER, NO PORTION OF THE BASEBALL FACILITY UPGRADE PROJECT IS LOCATED WITHIN THE WETLAND AREA.
 - EXISTING HANDICAP SPACE SHOWN ON THIS PLAN WILL SATISFY ADA PARKING REQUIREMENT FOR PROJECT.

LEGEND:

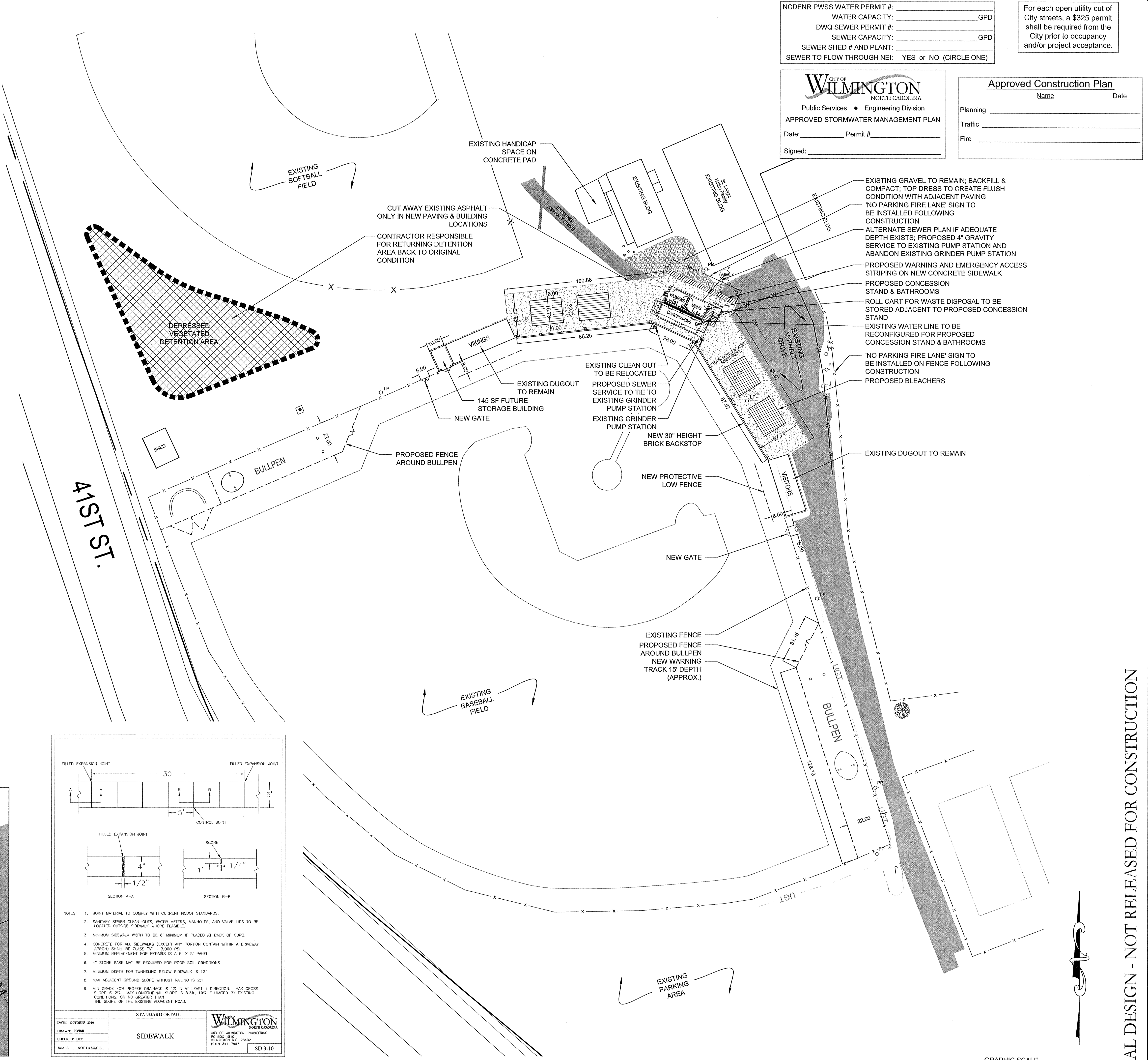
- PROPERTY LINE
- PROPOSED WATER LINE
- PROPOSED SEWER SERVICE
- LIMITS OF DISTURBANCE
- SILT FENCE



CONCESSION STAND & BATHROOM DETAIL
 SCALE: 1"=10'



STANDARD DETAIL
SIDEWALK
 DATE: OCTOBER, 2010
 DRAWN: PFB
 CHECKED: EDC
 SCALE: NOT TO SCALE
 CITY OF WILMINGTON
 WILMINGTON ENGINEERING
 201 BOB WHITE
 WILMINGTON, NC 28402
 (910) 341-2907
 SD 3-10



NC DENR PWSS WATER PERMIT #: _____
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 NORTH CAROLINA
 Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
 Date: _____ Permit # _____
 Signed: _____

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

REVISIONS:

NO.	DATE	DESCRIPTION

CLIENT INFORMATION:
 Friends of Hoggard Baseball
 5417 Whaler Way
 Wilmington, NC 28409
 NC License #: C-2846

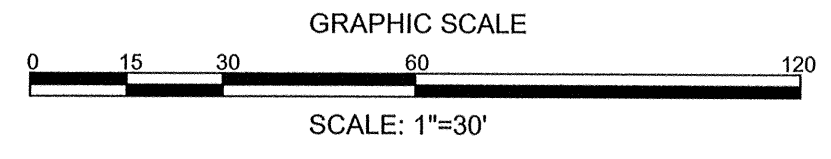
PARAMOUNT ENGINEERING
 5911 Oleander Drive, Suite 201
 Wilmington, North Carolina 28403
 (910) 791-6707 (O) (910) 791-6760 (F)
 NC License #: C-2846

SITE PLAN
 HOGGARD BASEBALL FACILITY BUILDING UPGRADE
 CITY OF WILMINGTON
 NORTH CAROLINA

PROJECT STATUS
 CONCEPTUAL LAYOUT: _____
 FINAL DESIGN LAYOUT: _____
 RELEASED FOR CONSTRUCTION: _____
DRAWING INFORMATION
 DRAWN: _____
 CHECKED: _____
 SCALE: _____
 DESIGNED: _____
 CHECKED: _____

C-2.0
 PEI JOB#: 15186.PE

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 TAX PARCEL IDENTIFICATION #:
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 CURRENT ZONING: CAMA LAND USE CLASSIFICATION:
 MAXIMUM ALLOWABLE BUILDING HEIGHT:
 PROPOSED BUILDING HEIGHT:
 EXISTING LAND USE:
 PROPOSED LAND USE:

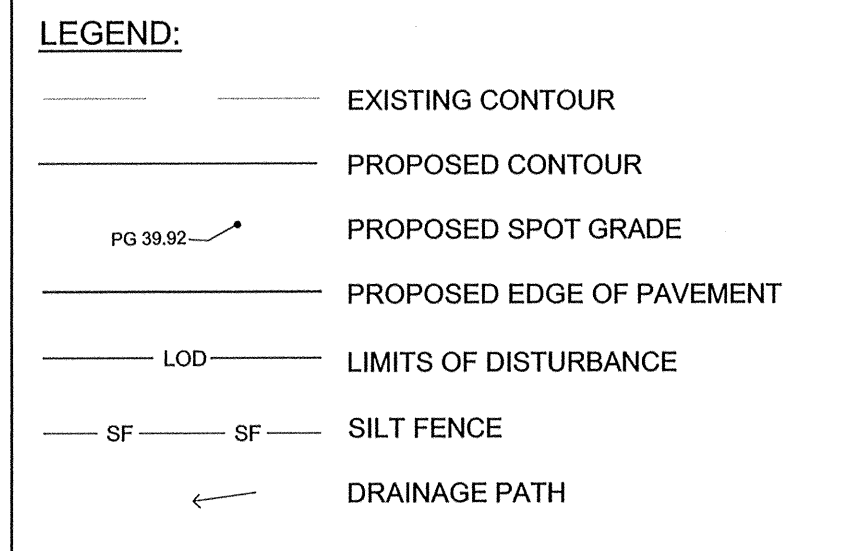
R06114-001-001-000
 M.B. 5791, PG 0776
 OFFICE & INSTITUTIONAL-1 (O&I-1)
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 NORTH CAROLINA
 Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
 Date: _____ Permit # _____
 Signed: _____

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



NOTATION:
 PG = PROPOSED GRADE

BUILDING PAD NOTE:
 1. SITE CONTRACTOR SHALL STRIP TOPSOIL AND ANY UNSUITABLE MATERIAL AND PROVIDE CUT/FILL OPERATIONS TO PROVIDE A COMPACTED CONTROLLED BUILDING PAD, IN ACCORDANCE WITH THE SUBSURFACE GEOTECHNICAL EXPLORATION AND TECHNICAL SPECIFICATIONS.

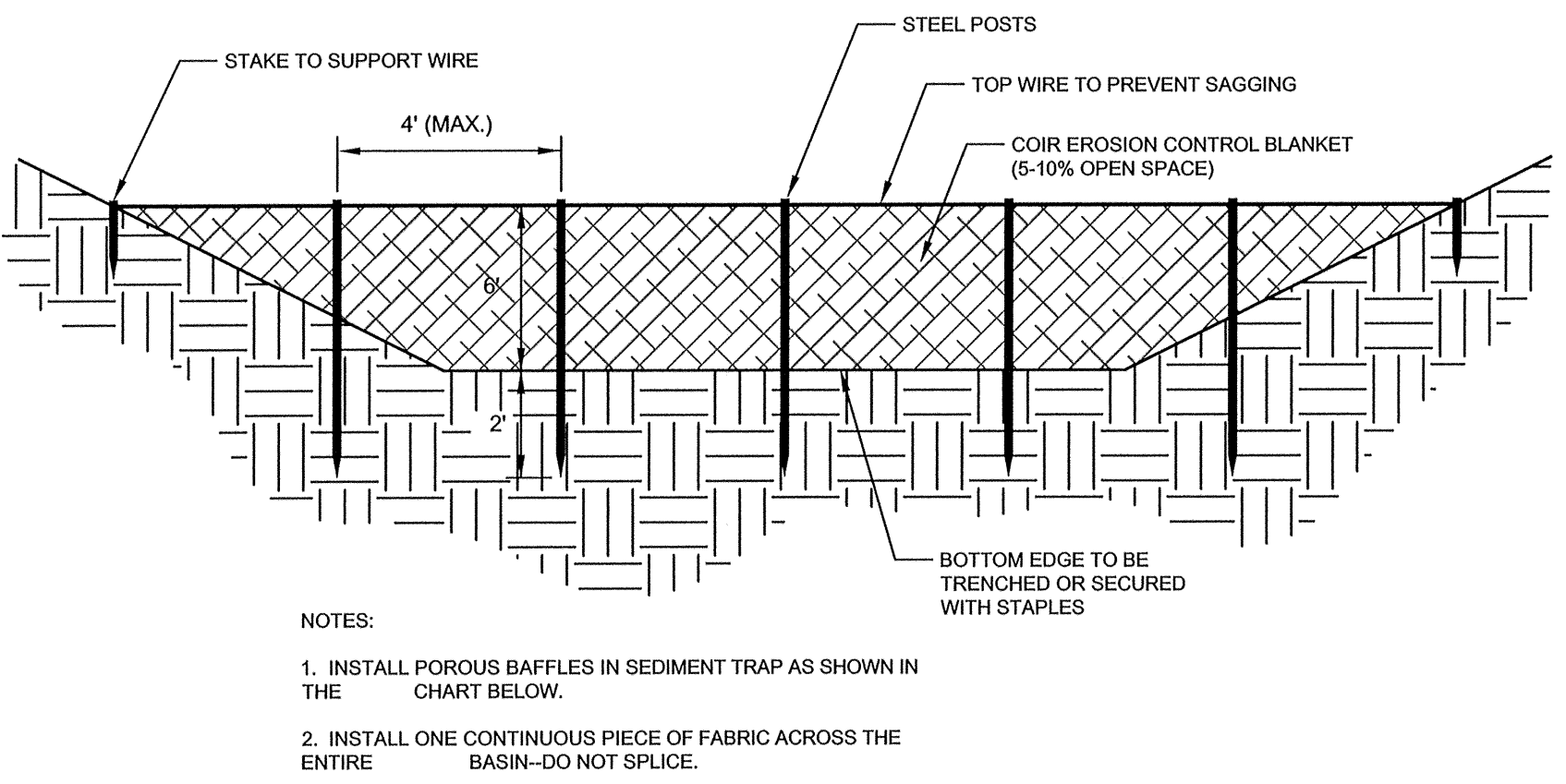
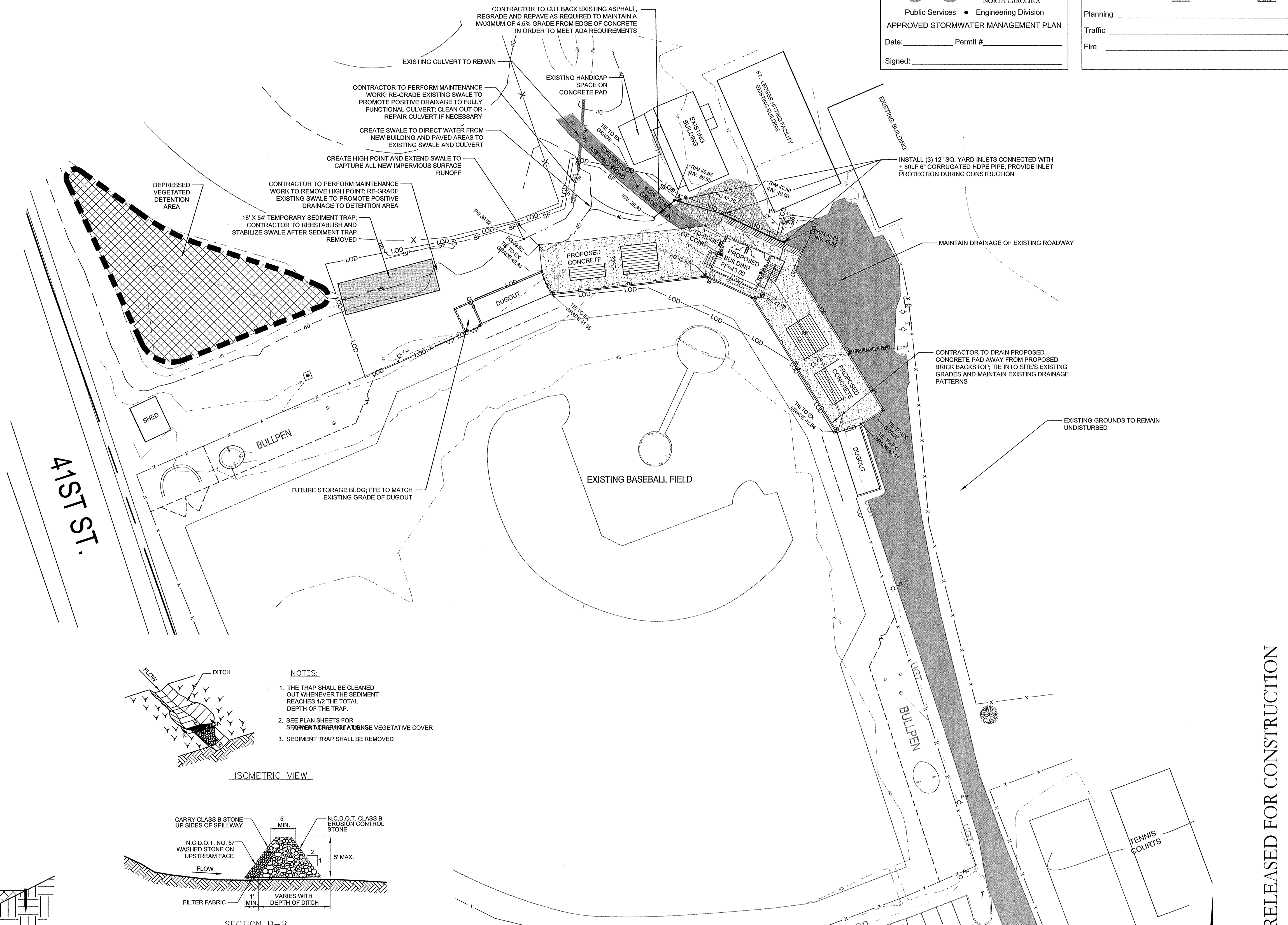
STORMWATER NOTE:
 1. THIS PROJECT WILL BE CONSIDERED A REDEVELOPMENT EXCLUSION FROM THE CITY OF WILMINGTON STORMWATER ORDINANCE.

PROPOSED IMPERVIOUS AREA
 TOTAL BUILDING (PROPOSED FOOTPRINT) 533 SF
 ON-SITE SIDEWALKS AND FUTURE STORAGE BUILDING (PROPOSED) 6367 SF
 TOTAL PROPOSED IMP. AREA 6900 SF (0.16 AC)

EXISTING IMPERVIOUS AREA (PRESS BOX, ASPHALT PAVING)
 TOTAL BUILDING (EXISTING FOOTPRINT) 489 SF
 ON-SITE ASPHALT PAVING (EXISTING TO BE REPLACED OR BUILT ON) 2375 SF
 ON-SITE SIDEWALKS & CONCRETE PADS (EXISTING) 714 SF
 TOTAL EXISTING IMP. AREA 3578 SF (0.08 AC)

GENERAL NOTES:

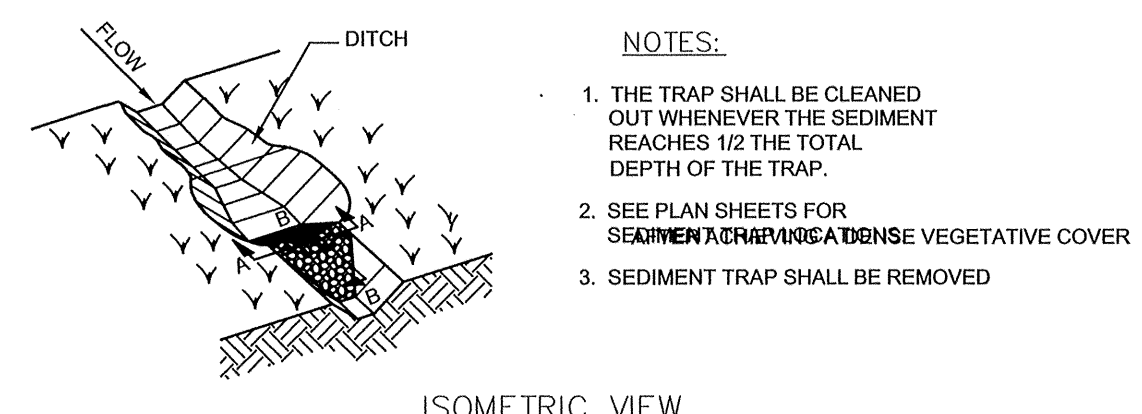
- ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CITY OF WILMINGTON AND NEW HANOVER COUNTY STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL PLACE INLET PROTECTION AROUND ALL STORM DRAIN AND YARD INLETS TO PROTECT THE SYSTEM FROM COLLECTING SEDIMENTATION DURING CONSTRUCTION. INLET PROTECTION SHALL REMAIN IN PLACE UNTIL THE PAVING IS IN PLACE.
- CONTRACTOR SHALL ADJUST ALL FRAMES OF EX. UTILITY INFRASTRUCTURE WITHIN ASPHALT OVERLAY AREAS TO MATCH PROPOSED GRADES.
- ALL PROPOSED SPOT (PG) ELEVATIONS SHOWN ARE PROPOSED EDGE OF PAVEMENT OR TOP OF SLAB, UNLESS NOTED OTHERWISE.
- ALL ROOF DRAINS SHALL BE DIRECTED TOWARDS DRAINAGE SWALE.
- ALL SIDEWALK CROSS SLOPES HAVE BEEN GRADED TO MEET ADA REGULATIONS. CONTRACTOR SHALL CONFIRM GRADES BEFORE PLACING PAVEMENT OR SIDEWALKS AND REPORT ANY DISCREPANCIES TO OWNER AND/OR ENGINEER.
- THE CONTRACTOR SHALL USE EITHER RCP (CL. III) OR HDPE PIPE FOR THE STORM DRAINAGE SYSTEM. IF THE CONTRACTOR CHOOSES TO USE HDPE PIPE, IT SHALL BE ADS N-12 HP STORM PIPE OR APPROVED EQUAL AND SHALL BE INSTALLED TO MANUFACTURER SPECIFICATIONS. IN ADDITION, THE CONTRACTOR SHALL BE SURE TO PROVIDE CONCRETE COLLARS AROUND EACH F.E.S. TO PREVENT FLOATATION IF HDPE PIPE IS CHOSEN.



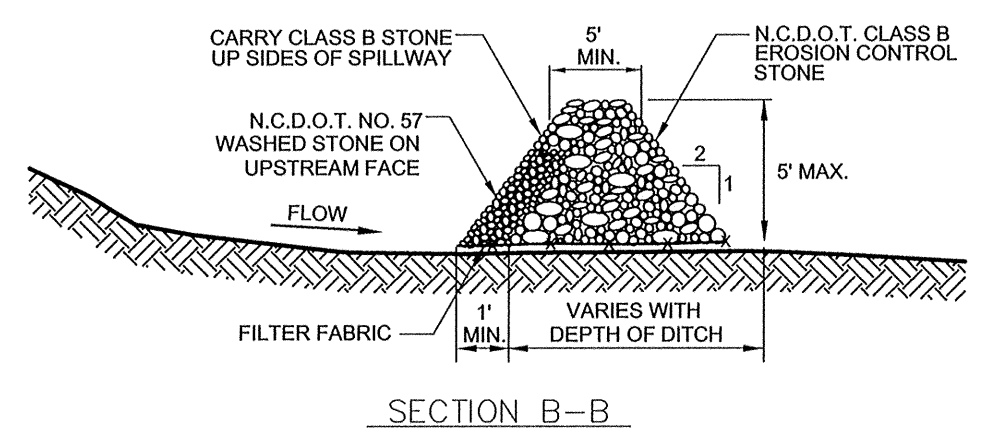
NOTES:

- INSTALL POROUS BAFFLES IN SEDIMENT TRAP AS SHOWN IN THE CHART BELOW.
- INSTALL ONE CONTINUOUS PIECE OF FABRIC ACROSS THE ENTIRE BASIN-DO NOT SPLICE.

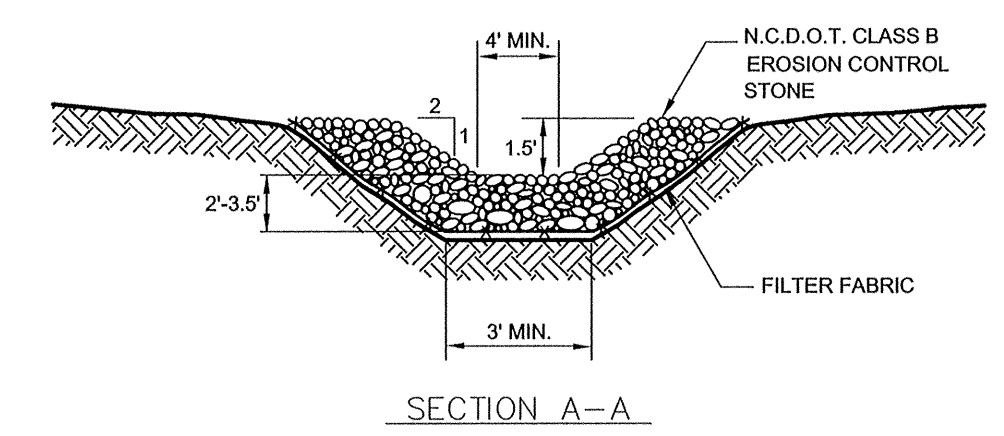
BAFFLE DETAIL
 NOT TO SCALE



ISOMETRIC VIEW



SECTION B-B



SECTION A-A

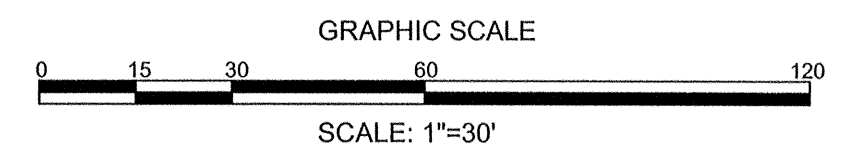
TEMPORARY SEDIMENT TRAP
 NOT TO SCALE

Hoggard Baseball Field Expansion
Baffles (Temporary Sediment Trap)
 [Designed Per NCDENR Erosion Control Design Manual (6.65)]

Requirements:

- Inlet: 35% of Surface Area
- Chamber 1: 25% of Surface Area
- Chamber 2: 25% of Surface Area
- Outlet: 15% of Surface Area

TST #	Surface Area (SF)	Length (FT)	Width (FT)	Inlet Area (SF)	Chamber 1 Area (SF)	Chamber 2 Area (SF)	Outlet Area (SF)	Baffle #1 (Distance from End) (FT)	Baffle #2 (Distance from End) (FT)	Baffle #3 (Distance from End) (FT)
1	972	54	18	340	243	243	146	19	32	46
2										
3										



REVISIONS:
 REVISION PER TRC COMMENTS DATED 12/8/15

CLIENT INFORMATION:
 Friends of Hoggard Baseball
 5417 Whaler Way
 Wilmington, NC 28409

PARAMOUNT ENGINEERING
 5911 Oleander Drive, Suite 201
 Wilmington, North Carolina 28403
 (910) 791-6707 (O) / (910) 791-6760 (F)
 NC License #: C-2846

GRADING AND DRAINAGE PLAN
 HOGGARD BASEBALL FACILITY BUILDING UPGRADE
 CITY OF WILMINGTON
 NORTH CAROLINA

PROJECT STATUS:
 CONCEPTUAL LAYOUT: _____
 PRELIMINARY LAYOUT: _____
 RELEASED FOR CONST: _____

DRAWING INFORMATION:
 DATE: _____
 DESIGNED: _____
 DRAWN: _____
 CHECKED: _____

SEAL:
 [Professional Engineer Seal for Jeffrey R. Blair, License # 028852, dated 12/15]

C-3.0
 PIE JOB#: 15186.PE

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

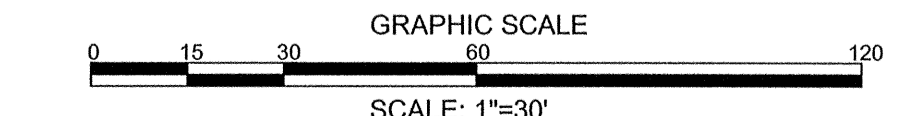
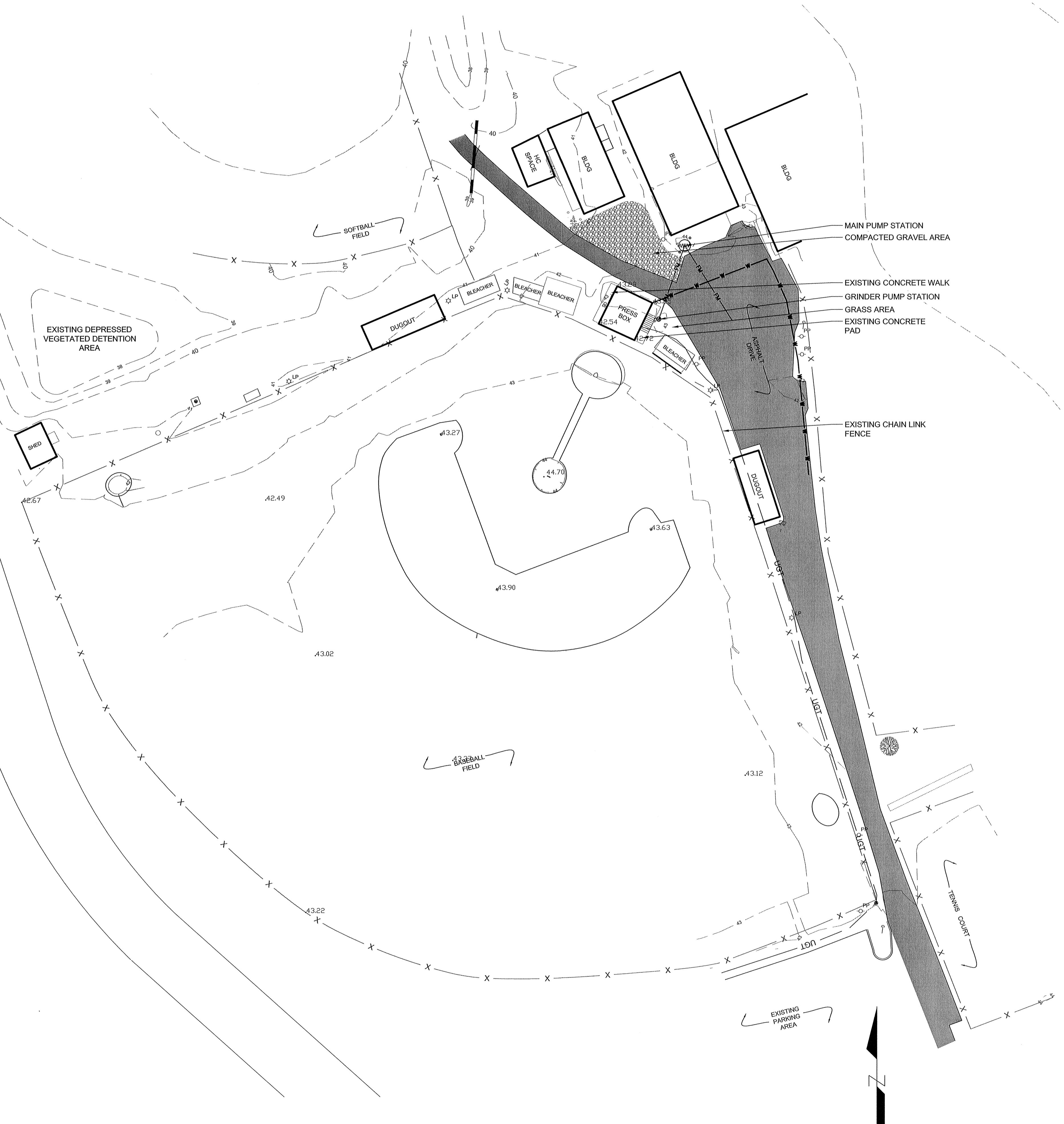
LEGEND:

- IRON PIPE FOUND
IRON ROD FOUND
IRON ROD SET
PK NAIL FOUND
PK NAIL SET
CONCRETE MONUMENT FOUND
SIGN
CONCRETE CURB & GUTTER
EDGE OF PAVEMENT
LIGHT POLE
UTILITY POLE
GUY ANCHOR
TRANSFORMER
TELEPHONE RISER
WATER METER
WATER VALVE
FIRE HYDRANT
IRRIGATION VALVE
CLEAN-OUT
SANITARY SEWER MANHOLE
STORM DRAINAGE MANHOLE
WELL
CURB INLET
CATCH BASIN
GAS METER
MAILBOX
TREES
OVERHEAD UTILITIES
BURIED TELEPHONE LINE
WATER LINE
SANITARY SEWER LINE
STORM DRAINAGE LINE
UNDERGROUND GAS LINE
CHAINLINK FENCE
EXISTING CONTOUR
RIGHT OF WAY BOUNDARY

Hoggar Baseball Adjacent Property Owners

Table with columns: KEY, PIN, Land Use, ZONING, CD/PG, OWNER, MAIL ADDRESS, PROPERTY ADDRESS, SUBDIVISION. Lists adjacent property owners for the Hoggar Baseball facility.

41ST ST.



REVISIONS table with columns: REVISED PER, DATE, COMMENTS, DATED BY. Contains one revision entry.

CLIENT INFORMATION:
Friends of Hoggar Baseball
5417 Whaler Way
Wilmington, North Carolina 28403
(910) 791-6707 (C) (910) 791-6700 (F)
NC License #: C-2846

PARAMOUNT ENGINEERING
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NC License #: C-2846

EXISTING CONDITIONS
HOGGAR BASEBALL FACILITY BUILDING UPGRADE
CITY OF WILMINGTON
NORTH CAROLINA

PROJECT STATUS, DRAWING INFORMATION, and a circular professional seal for the engineer.

EX-1
PEI JOB#: 15186.PE