

HAWTHORNE COMMONS FITNESS CENTER ADDITION

CITY OF WILMINGTON, NEW HANOVER COUNTY, NORTH CAROLINA

DEVELOPER:

CIVIL ENGINEER

ARCHITECT:

HAWTHORNE RESIDENTIAL PARTNERS 806 GREEN VALLEY ROAD, SUITE 311 GREENSBORO, NC 27408 336.275.9512

CONTACT: MS. BEVERLY GREEAR

@/-AT

AC-ACRE

AFG- ABOVE FINISHED GRADE

BMP-BEST MANAGEMENT PRACTICE

APPR-APPROXIMATE

B/C-BOTTOM OF CURB

BOC-BACK OF CURB

BM-BOOK OF MAPS

CB-CATCH BASIN

C/L-CENTERLINE

CO-CLEANOUT

CONC-CONCRETE

CY-CUBIC YARD

DB-DEED BOOK

DI-DROP INLET

DR-DRIVEWAY

CONN-CONNECTION

CL-CLASS

BW-BOTTOM OF WALL

C&G-CURB AND GUTTER

COMM-COMMUNICATIONS

DCV-DOUBLE CHECK VALVE

DIP-DUCTILE IRON PIPE

DDCV-DOUBLE DECTECTOR CHECK VALVE

CMP-CORRUGATED METAL PIPE

ASSY-ASSEMBLY

B/L-BASE LINE

SHIPMAN ENGINEERING GROUP, PLLC 1076 CLASSIC ROAD APEX, NC 27539 919.629.8204 CONTACT: MR. ZAK SHIPMAN, PE

PLANWORX ARCHITECTURE 5711 SIX FORKS ROAD, SUITE 100 RALEIGH, NC 27609 919.846.8100 CONTACT: MR. ROBERT CLIFFORD

ALL CONSTRUCTION SHALL COMPLY WITH CITY OF WILMINGTON STANDARDS AND SPECIFICATIONS.

LEGEND WATER SITE DEVELOPMENT MISCELLANEOUS UTILITIES EXISTING WATER LINE EX. STORM SEWER PIPE EX. LIGHT POLE WATERLINE PROPOSED STORM SEWER EX. LIGHT (WALL PACK) EX. VALVE EX. STORM STRUCTURE PROPOSED LIGHT POLE PROPOSED WATER VALVE CATCH BASIN **EX. UTILITY POLE** POST INDICATOR VALVE (PIV) DROP INLET UTILITY POLE EX. WATER METER EX. STORM SEWER MANHOLE EX. GUY WIRE STORM SEWER MANHOLE EX. ELECTRICAL METER EX. FIRE HYDRANT EX. ROOF DRAIN LEADER EX. OVERHEAD ELECTRIC LINE FIRE HYDRANT ROOF DRAIN LEADER PROPOSED OVERHEAD ELECTRIC LINE REDUCER FITTING EX. ROOF DRAIN DOWNSPOUT EX. UNDERGROUND ELECTRIC LINE PLUG FITTING ROOF DRAIN DOWNSPOUT PROPOSED UNDERGROUND ELECTRIC LINE EX. CURB AND GUTTER EX. TELEPHONE PEDESTAL WATERLINE CROSS **CURB AND GUTTER** TELEPHONE PEDESTAL FIRE DEPARTMENT CONNECTION (FDC) **EXISTING PROPERTY LINE** EX. TELEPHONE MANHOLE WATERLINE BLOWOFF PROPERTY LINE EX. OVERHEAD TELEPHONE LINE EX. WELL CASING BENCHMARK AND/OR SURVEY OVERHEAD TELEPHONE LINE **CONTROL MARKER** SANITARY SEWER EX. OVERHEAD FIBER LINE SOIL BORING LOCATION OVERHEAD FIBER LINE EXISTING SANITARY SEWER LIMITS OF DISTURBANCE SANITARY SEWER MAIN EX. CABLE PEDESTAL EX. TREE EX. SEWER MANHOLE EX. OVERHEAD COMMUNICATIONS LINE EX. SHRUB **SEWER MANHOLE** OVERHEAD COMMUNICATIONS LINE EX. FENCE CLEANOUT EX. UNDERGROUND COMMUNICATIONS LINE PROPOSED FENCE **EXISTING CLEANOUT** UNDERGROUND COMMUNICATIONS LINE EX. TOPOGRAPHIC CONTOUR NATURAL GAS EX. OVERHEAD UTILITY LINE-MULTIPLE PROPOSED TOPOGRAPHIC CONTOUR EX. GAS LINE PROPOSED SPOT ELEVATION BOLLARD GAS LINE PROPERTY MARKER/IRON PIPE EX. GAS VALVE EX. SURVEY MONUMENT EX. GAS METER

CIVIL DRAWING INDEX:

COVER SHEET	C-000
EXISTING CONDITIONS SURVEY	C-100
DEMOLITION PLAN	C-101
NEIGHBORHOOD PLAN	C-102
SITE LAYOUT PLAN	C-200
SITE UTILITY PLAN	C-201
GRADING & DRAINAGE PLAN	C-202
SITE HYDROLOGY PLAN	C-203
EROSION CONTROL PLAN	C-204
NOTES AND DETAILS	C-300
NOTES AND DETAILS	C-301
NOTES AND DETAILS	C-302
LANDSCAPING PLAN & DETAILS	L-101
TOTAL NUMBER OF DRAWINGS:	13

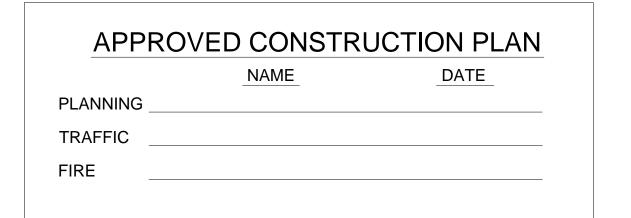
L-LENGTH

LS-LIFT STATION

CIVIL SERIES DRAWING ABBREVIATIONS:			
DS-DOWNSPOUT	MECH-MECHANICAL	R/W-RIGHT OF WAY	
EA-EACH	MH-MANHOLE	REQD-REQUIRED	
EIP-EXISTING IRON PIPE	MIN-MINIMUM	RCP-REINFORCED CONCRETE PIPE	
ELEC-ELECTRICAL	MJ-MECHANICAL JOINT	SAN-SANITARY SEWER	
E/P-EDGE OF PAVEMENT	NIC-NOT IN CONTRACT	SDWK-SIDEWALK	
EX-EXISTING	OHE-OVERHEAD ELECTRIC	SF-SQUARE FOOT	
F/C-FACE OF CURB	OHP-OVERHEAD POWER	SPT-SPOT GRADE	
FDC-FIRE DEPARTMENT CONNECTION	OHT-OVERHEAD TELEPHONE	SS-SANITARY SEWER	
FFE-FINISHED FLOOR ELEVATION	PB-PLAT BOOK	STA-STATION	
FG-FINISHED GRADE	PC-POINT OF CURVATURE	STD-STANDARD	
FH-FIRE HYDRANT	PED-PEDESTRIAN	STM-STORM	
F/L-FLOW LINE	PG-PAGE	STMH-STORM SEWER MANHOLE	
FM-FORCE MAIN	PH-PHASE	SWM-STORMWATER MANAGEMENT	
FT-FOOT	PI-POINT OF INTERSECTION	T-TELEPHONE	
G-GAS	PIV-POST INDICATOR VALVE	T/C-TOP OF CURB	
GND-GROUND	PKG-PARKING	TCM-TELEPHONE MANHOLE	
GV-GATE VALVE	P/L-PROPERTY LINE	TS&V-TAPPING SLEEVE AND VALVE	
HDPE-HIGH DENSITY POLYETHYLENE	PS-PUMP STATION	UGE-UNDERGROUND ELECTRIC	
HORIZ-HORIZONTAL	PT-POINT OF TANGENCY	UNK-UNKNOWN	
IN-INCHES	PP-POWER POLE	UP-UTILITY POLE	
INV-INVERT	PVC-POLYVINYL CHLORIDE	VAR-VARIABLE	
IP-IRON PIPE	PVMT-PAVEMENT	VERT-VERTICAL	
IPS-IRON PIPE SET	PWR-POWER	W/-WITH	
L-LENGTH	R-RADIUS	WM-WATER METER	
LF-LINEAR FOOT	RD-ROOF DRAIN	W/O-WITHOUT	
LP-LIGHT POLE	RJ-RESTRAINTED JOINT	W/L-WATERLINE	

RPZ-REDUCED PRESSURE ZONE WSEL-WATER SERVICE ELEVATION

WV-WATER VALVE





SURVEY DATUM INFORMATION:

HORIZONTAL DATUM: NAD83

VERTICAL DATUM: NAVD88

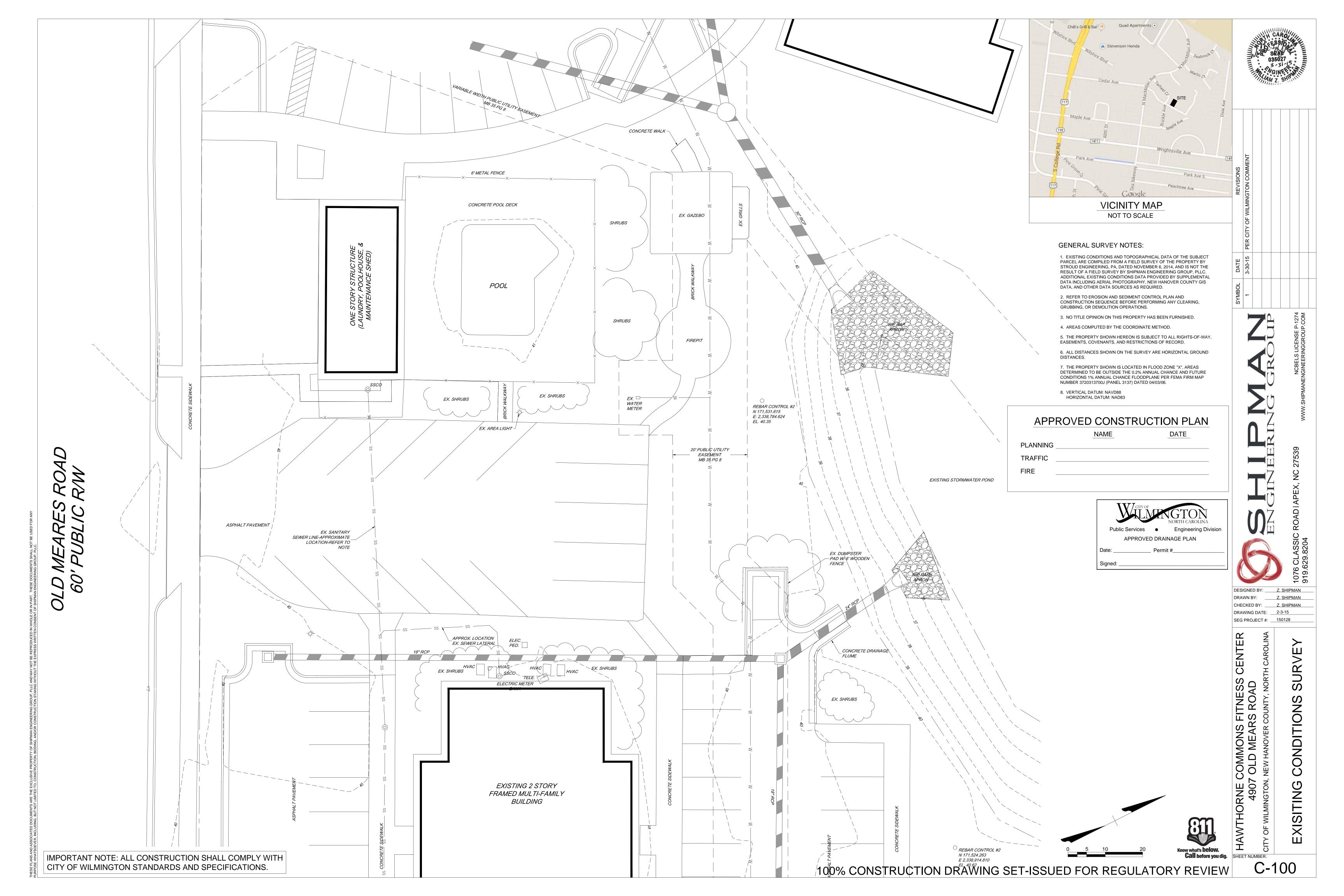
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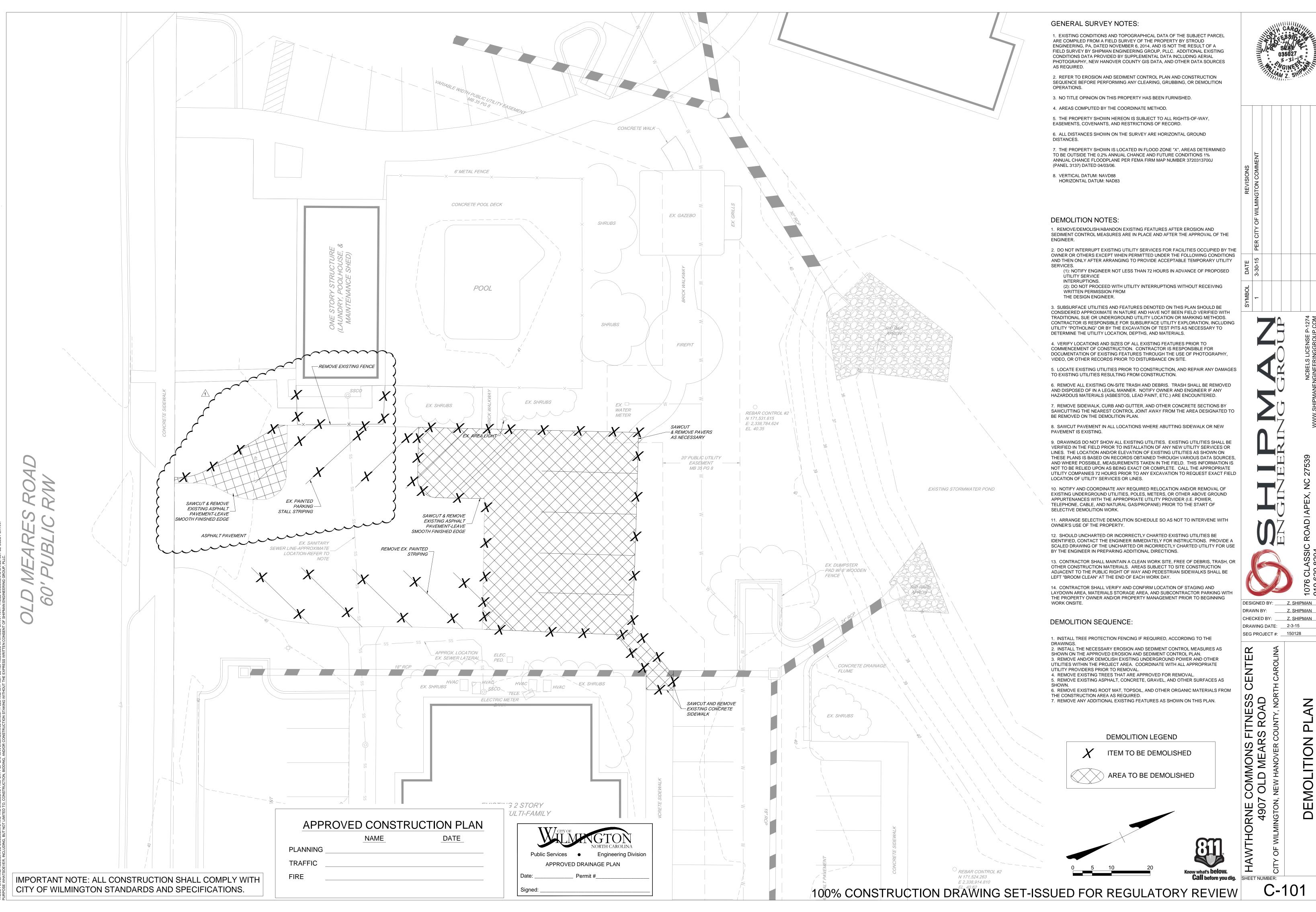
DRAWN BY: Z. SHIPMAN

CHECKED BY: Z. SHIPMAN

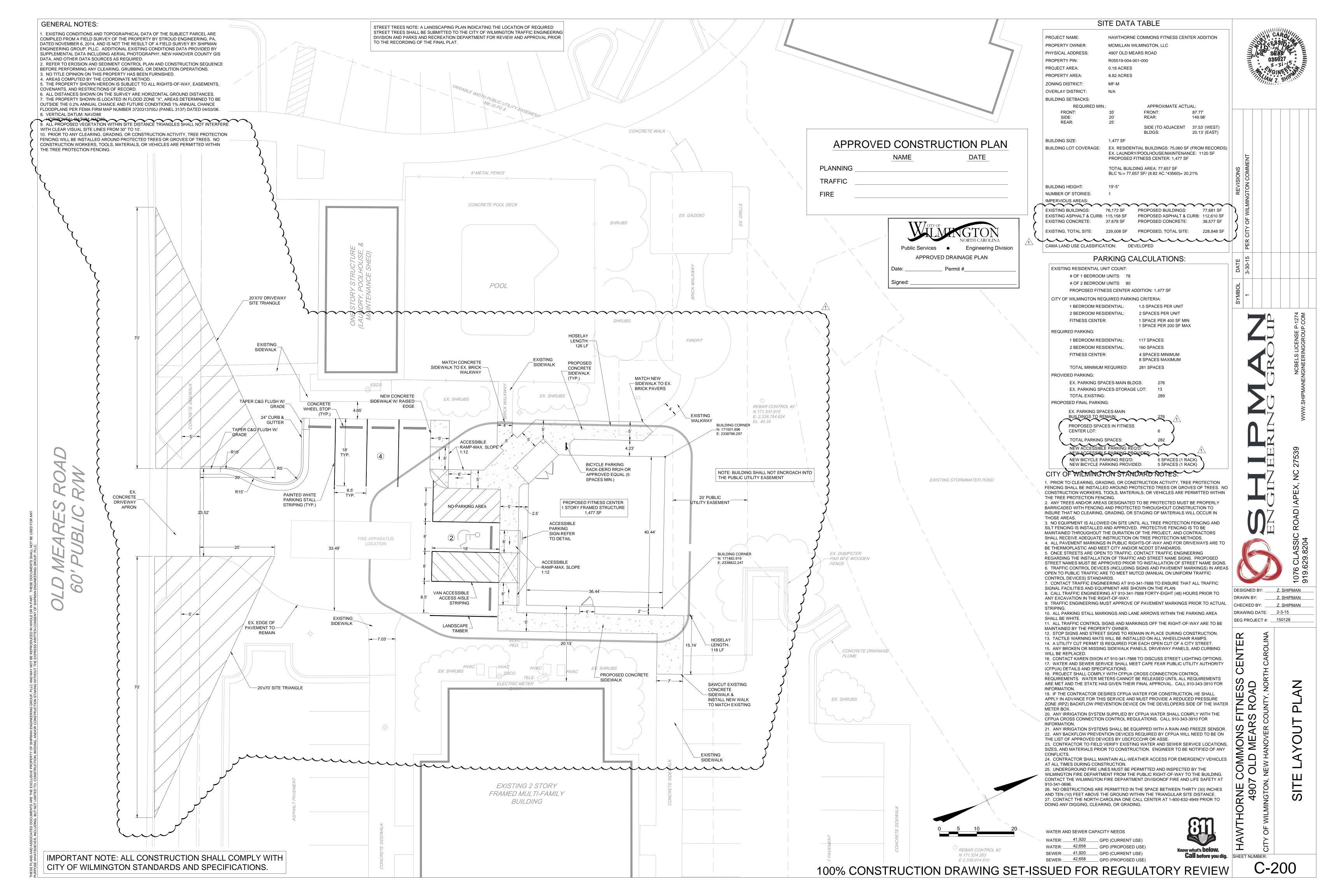
DRAWING DATE: 2-3-15 SEG PROJECT #: ___150128

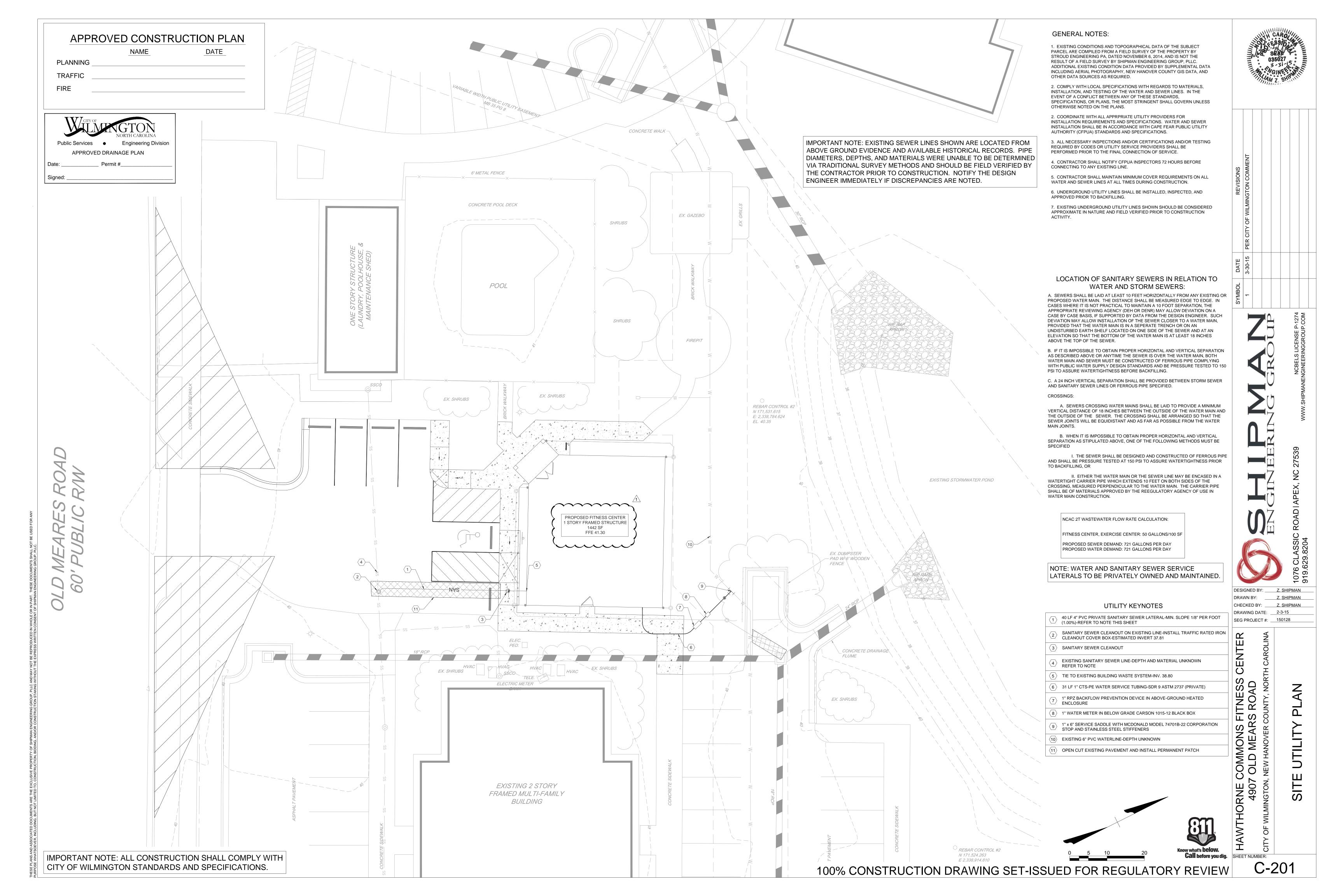


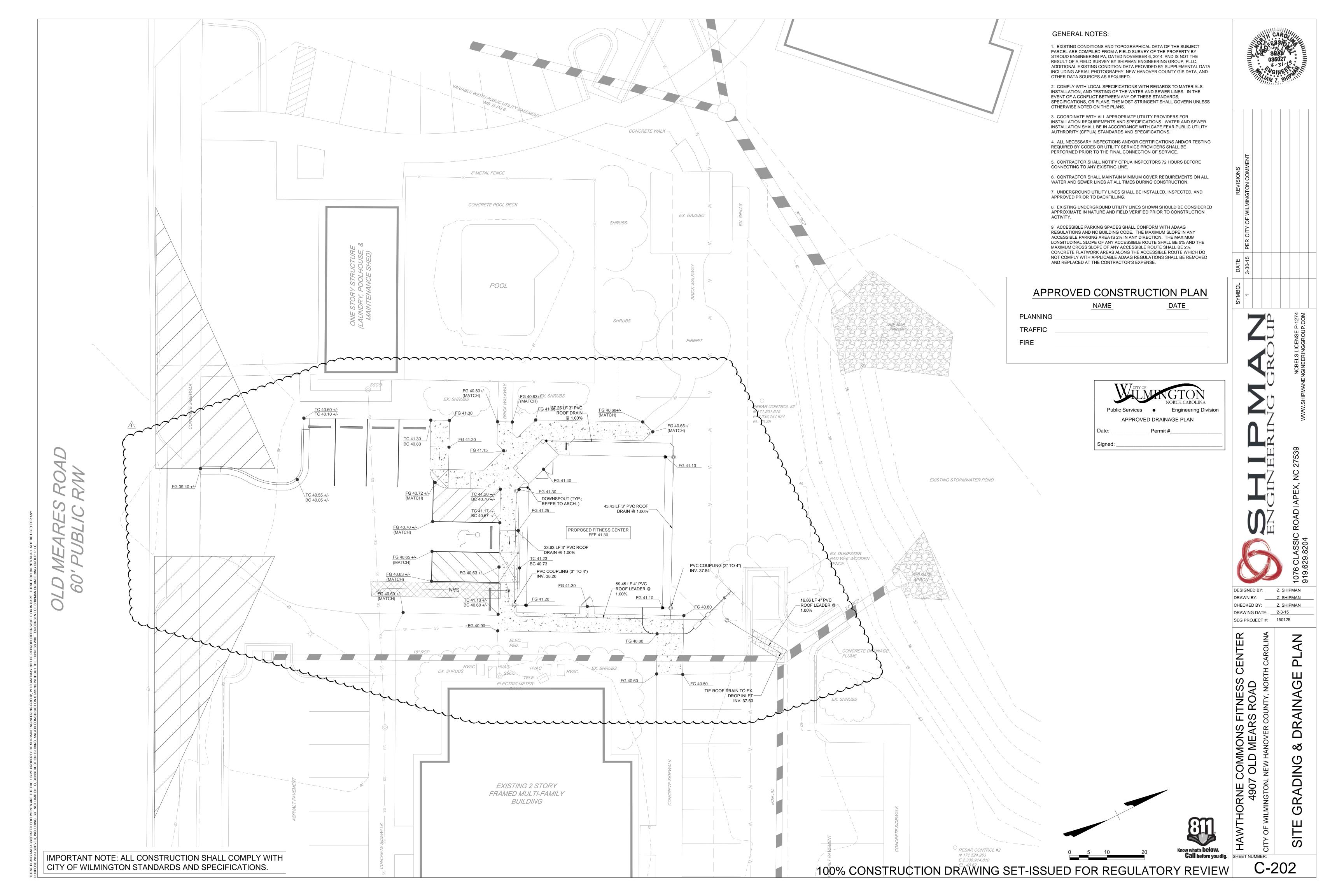


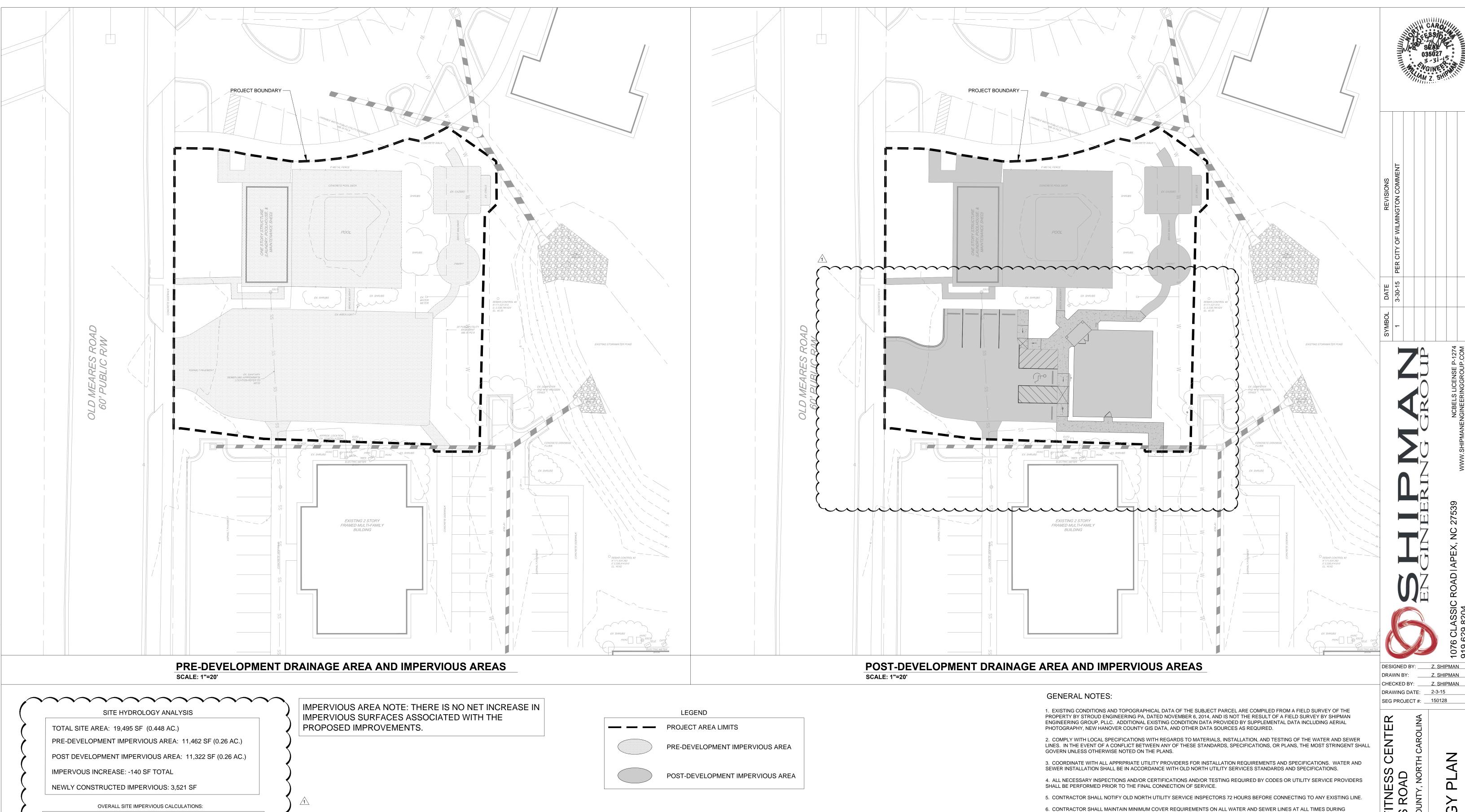












EXISTING ASPHALT & CURB: 115,158 SF PROPOSED ASPHALT & CURB: 112,610 SF EXISTING CONCRETE: 37,678 SF PROPOSED CONCRETE: 38,577 SF EXISTING, TOTAL SITE: 229,008 SF PROPOSED, TOTAL SITE: 228,848 SF

NCDENR STORMWATER PERMIT INFORMATION

THIS SITE IS COVERED UNDER EXISTING NCDENR DIVISION OF WATER QUALITY PERMIT 920613, ISSUED OCTOBER 5, 1992.

THE PERMIT ALLOCATED 14,400 SQUARE FEET OF FUTURE IMPERVIOUS AREA DENOTED AS "TENNIS COURTS OR RECREATIONAL AREA".

RECEIVING WATER BODY: BURNT MILL CREEK WATERSHED CLASSIFICATION: SC-HQW

IMPORTANT NOTE: ALL CONSTRUCTION SHALL COMPLY WITH CITY OF WILMINGTON STANDARDS AND SPECIFICATIONS.

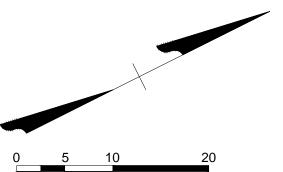
PLANNING	
TRAFFIC	
FIRE	



CONSTRUCTION.

7. UNDERGROUND UTILITY LINES SHALL BE INSTALLED, INSPECTED, AND APPROVED PRIOR TO BACKFILLING.

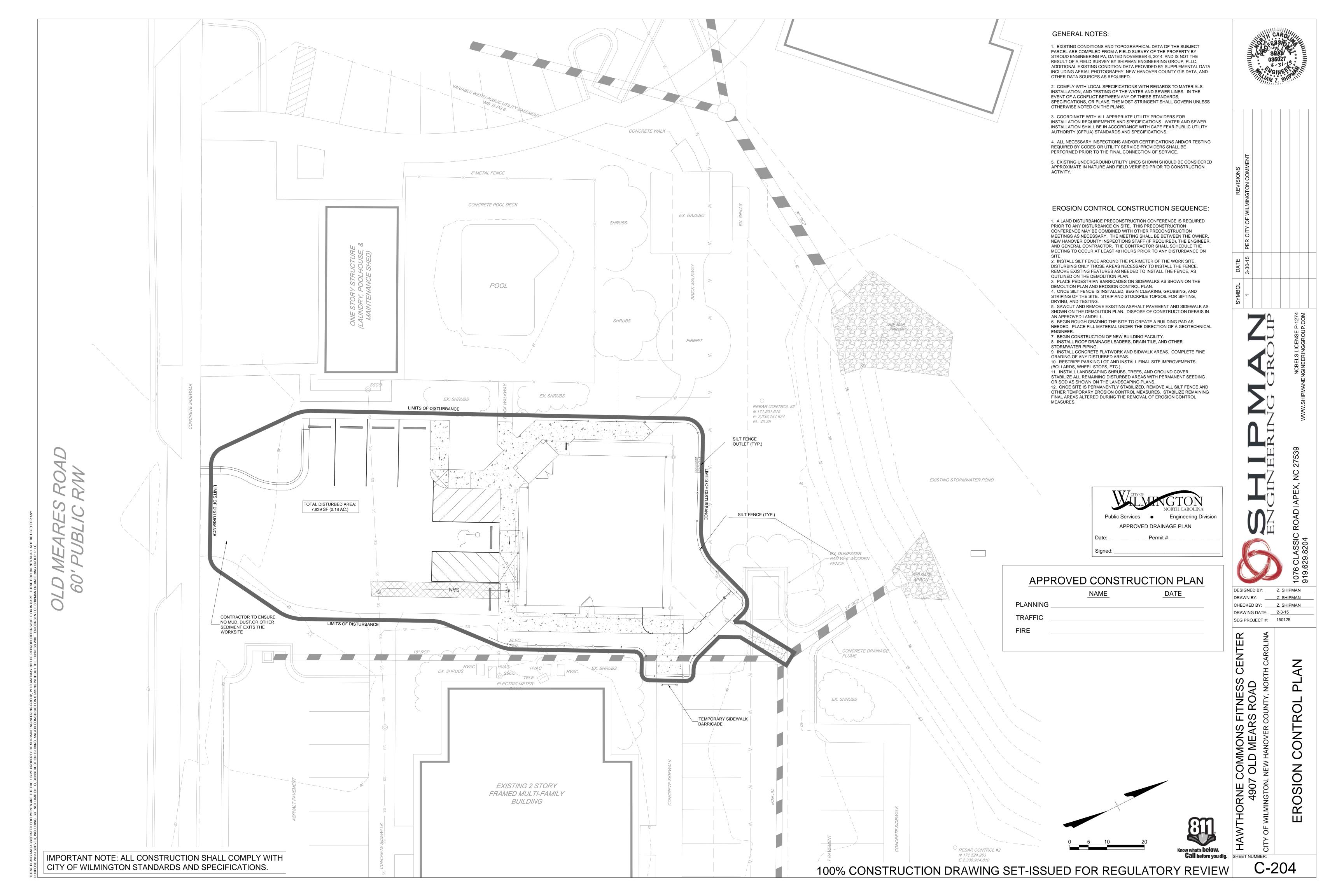
8. EXISTING UNDERGROUND UTILITY LINES SHOWN SHOULD BE CONSIDERED APPROXIMATE IN NATURE AND FIELD VERIFIED PRIOR TO

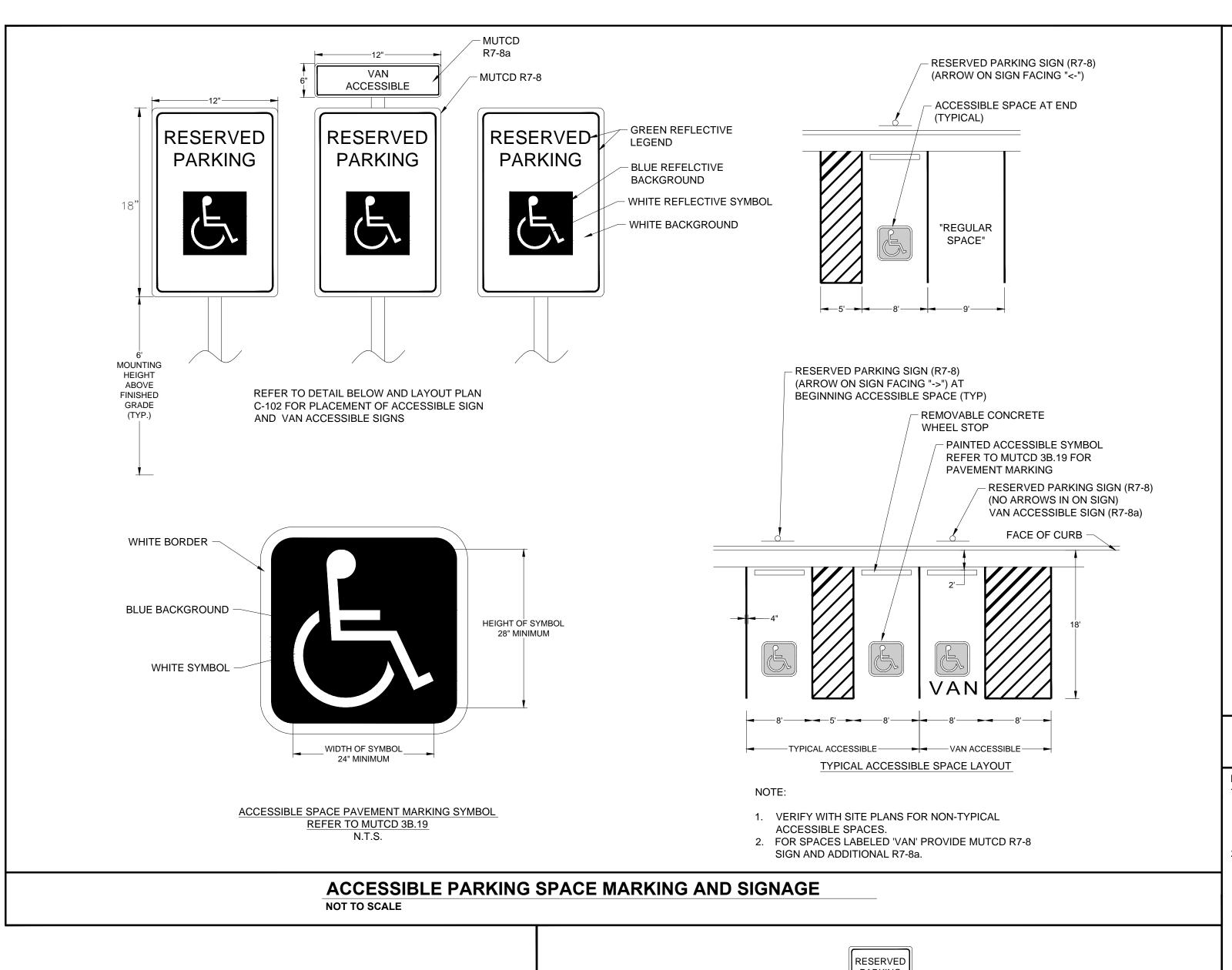


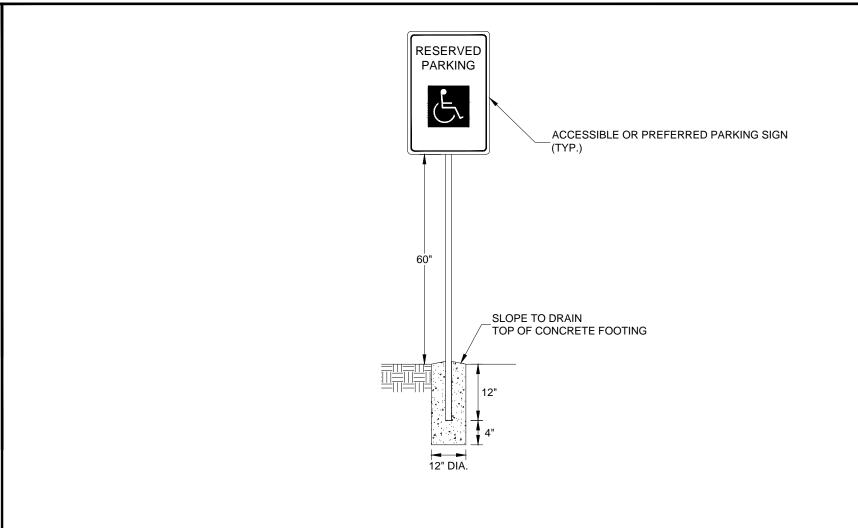


C-203

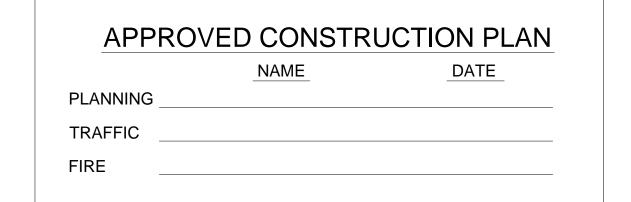
HYDROLOG

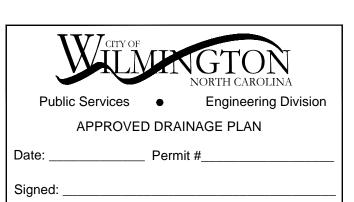




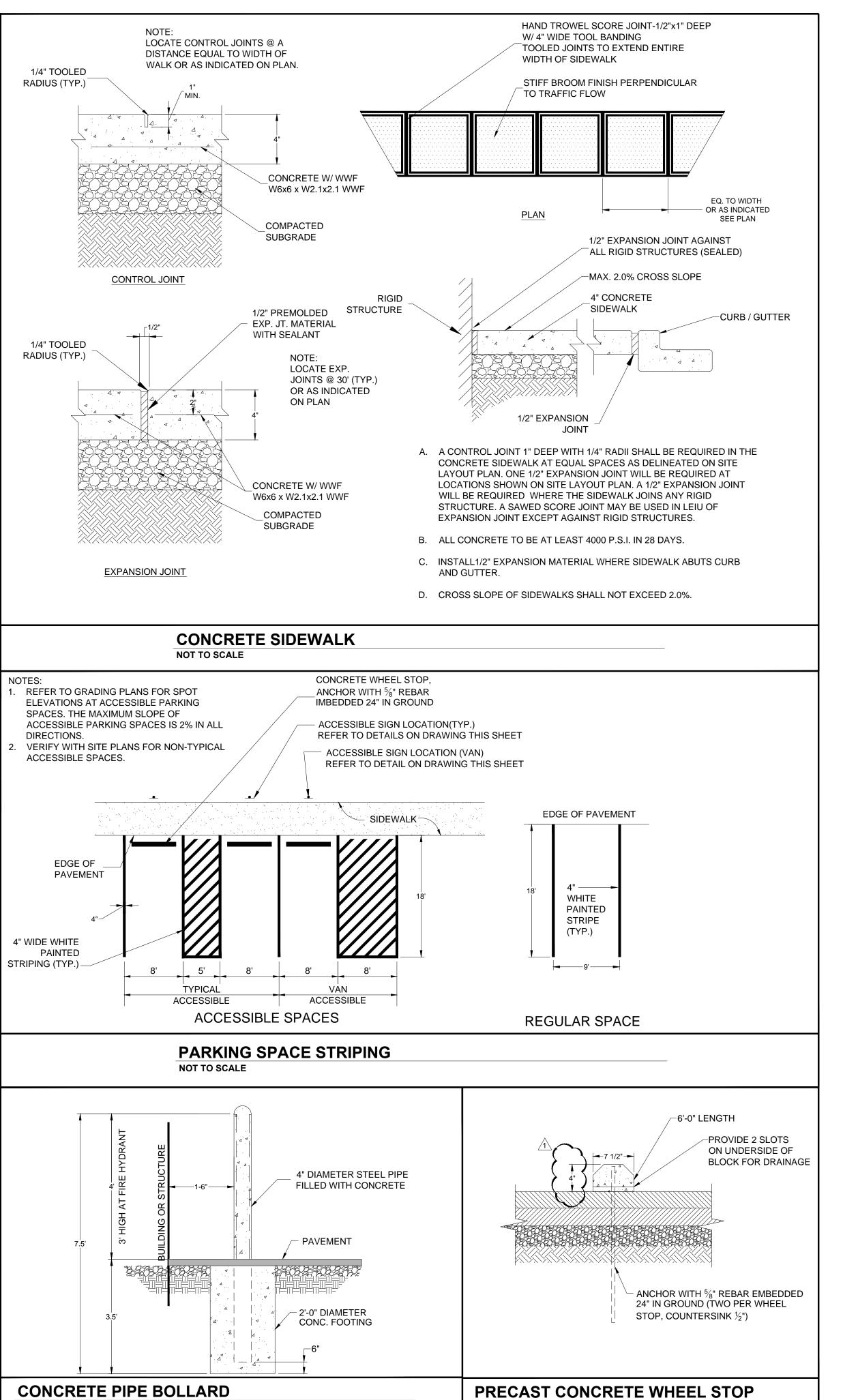


ACCESSIBLE & PREFERRED PARKING SIGN FOUNDATION





NOT TO SCALE

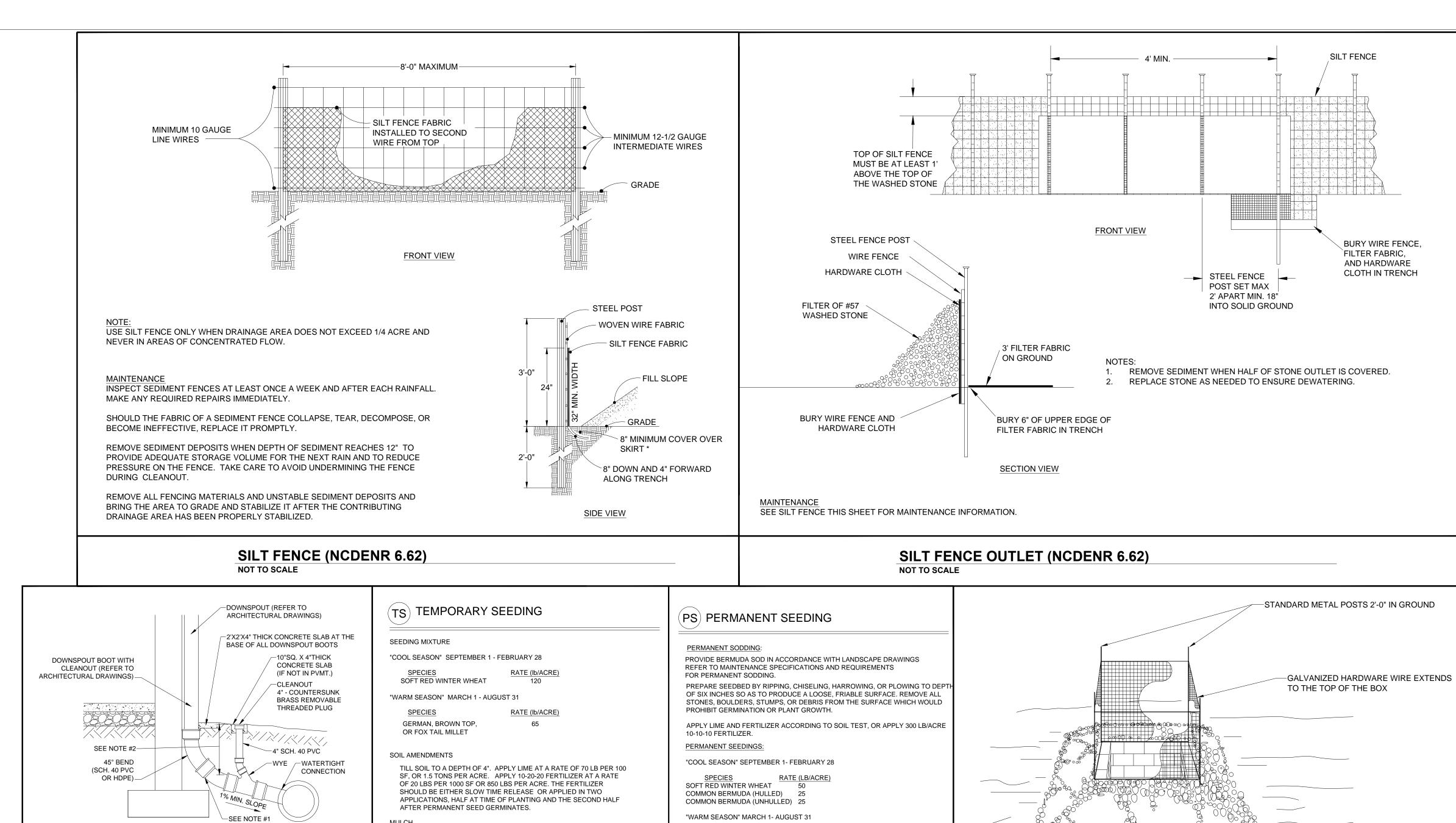


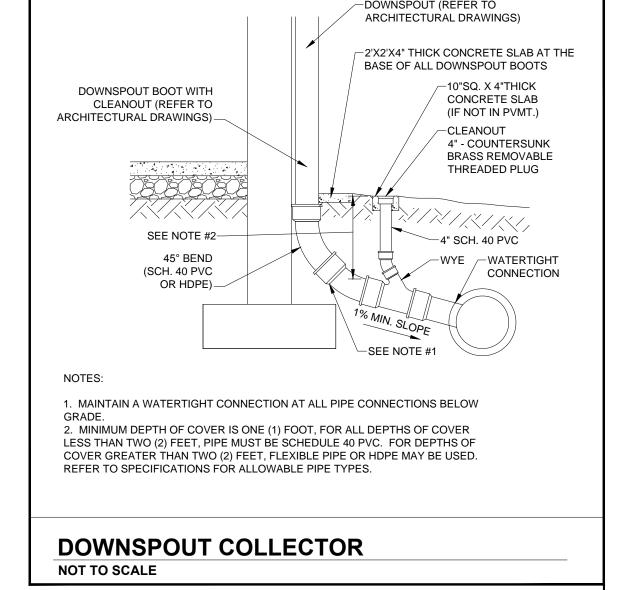
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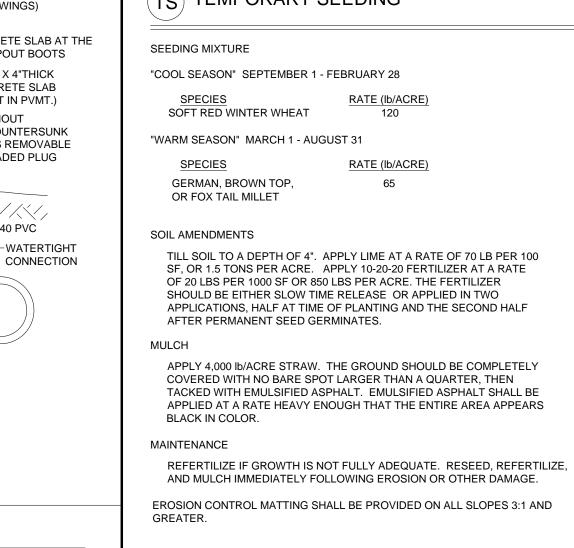
CENTER NOTES AND DETAILS

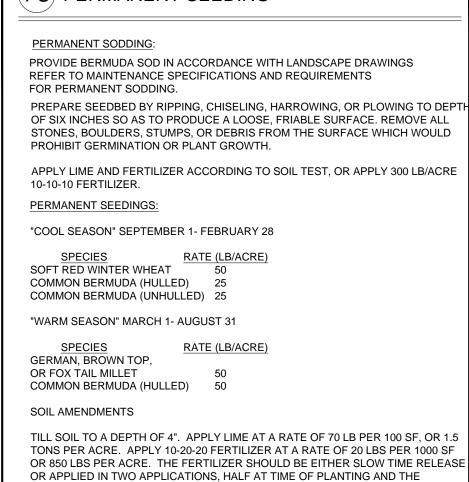
C-300

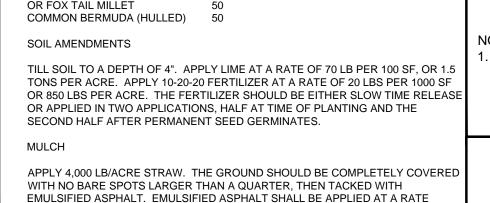
NOT TO SCALE



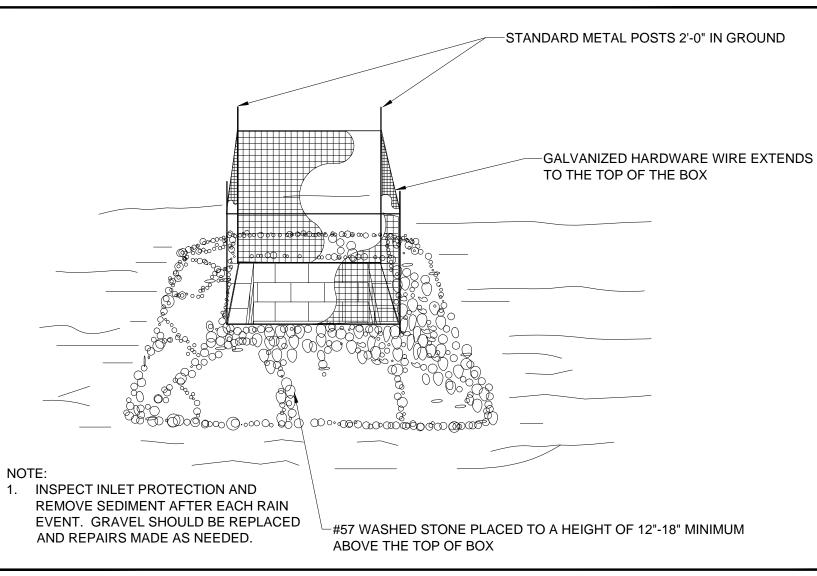






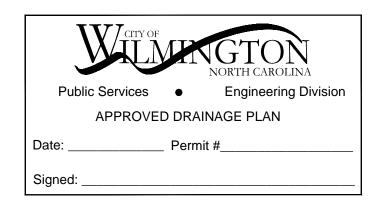


HEAVY ENOUGH THAT THE ENTIRE AREA APPEARS BLACK IN COLOR. MAINTENANCE REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE, AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.



HARDWARE CLOTH AND GRAVEL INLET PROTECTION

APPROVED CONSTRUCTION PLAN **PLANNING**



HAWTHORNE COMMONS FITNESS
4907 OLD MEARS ROAD
CITY OF WILMINGTON, NEW HANOVER COUNTY, NOR

DRAWN BY: Z. SHIPMAN

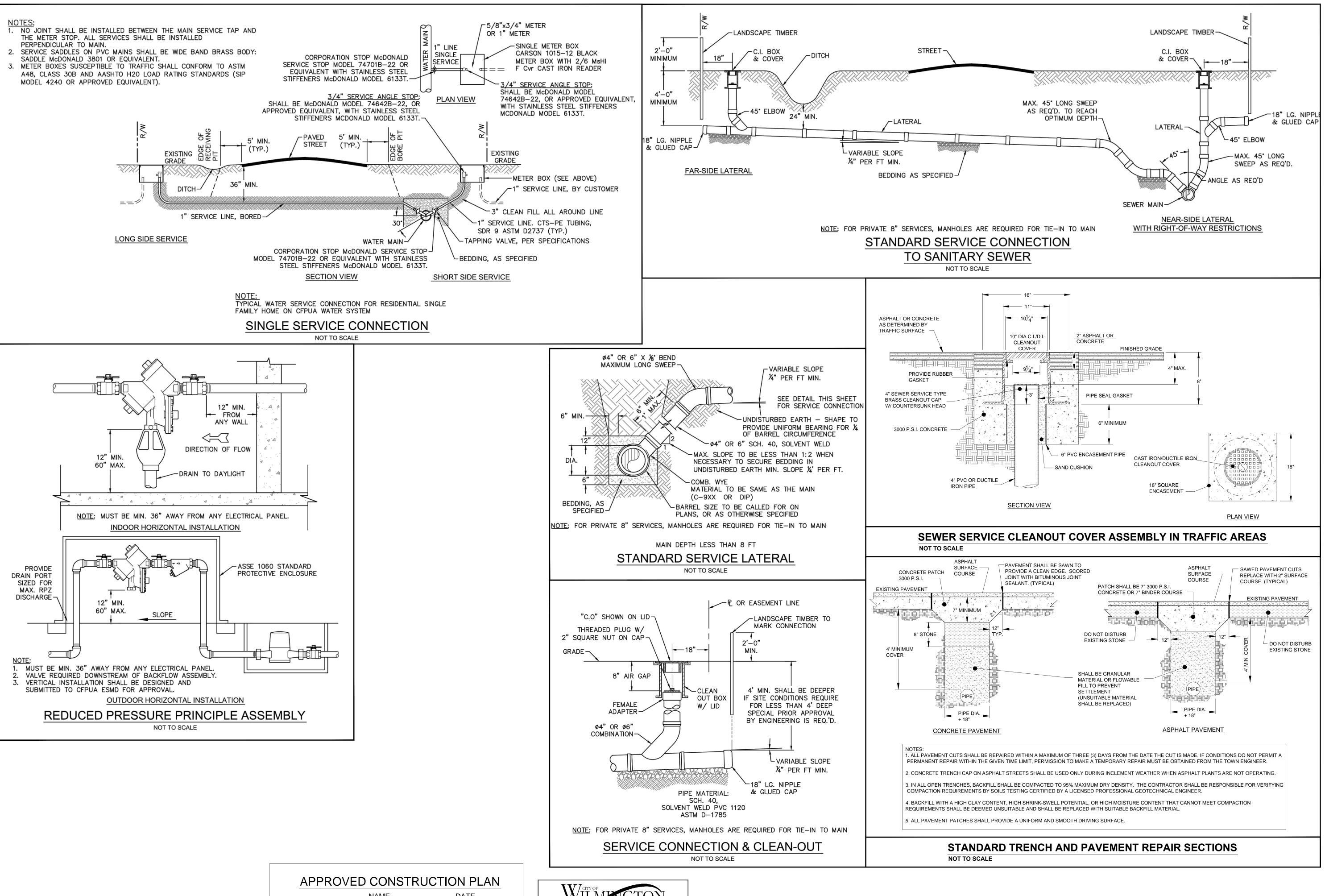
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DETAILS

DRAWING DATE: 2-3-15

SEG PROJECT #: ____150128

CENTER



APPROVED DRAINAGE PLAN

Signed:

PLANNING

CARO SEAN 035027 ONGINEE

SYMBOL DATE REVISIONS
1 3-30-15 PER CITY OF WILMINGTON COMMENT

SHIPWA ENGINEERING GROU

DESIGNED BY: Z. SHIPMAN

DRAWN BY: Z. SHIPMAN

CHECKED BY: Z. SHIPMAN

DRAWING DATE: 2-3-15

SEG PROJECT #: 150128

FITNESS CENTER SS ROAD COUNTY, NORTH CAROLINA

4907 OLD MEARS ROAD LMINGTON, NEW HANOVER COUNTY, NORTH

DETAIL

AND

HAWTHOR

A SHEET NUMBER:

CITY OF WILMING

