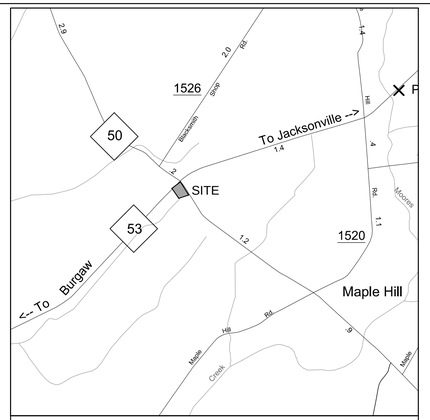


LOCATION MAP
SCALE: 1"=800'
NORTH

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 TECHNICAL SPECIFICATIONS AND GEOTECHNICAL REPORT IF AVAILABLE.

STORMWATER NOTE:
1. THIS PROJECT DRAINS TO A PROPOSED WET DETENTION BASIN THAT IS DESIGNED TO CONTROL THE FIRST 1.5" OF RUNOFF.

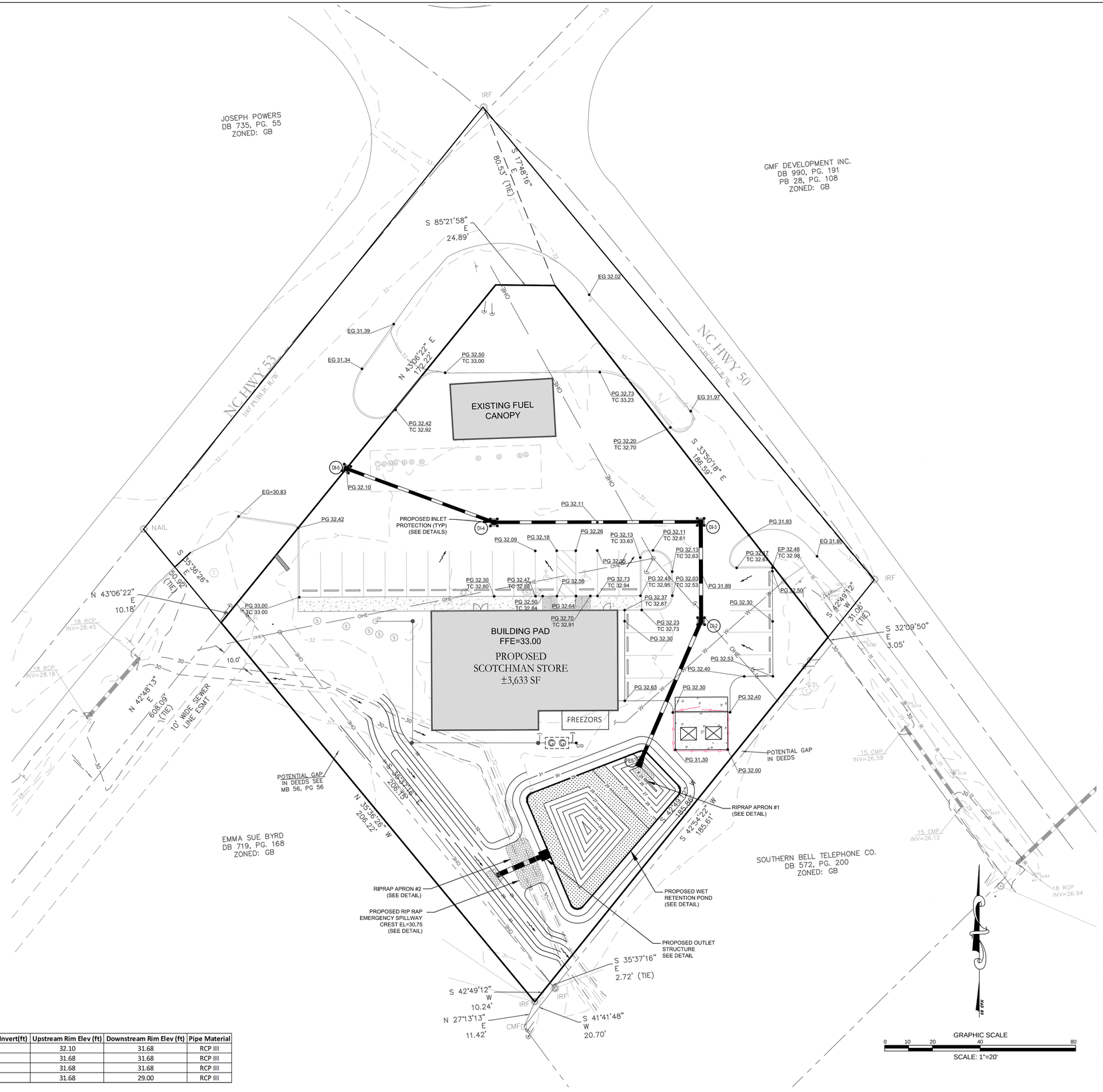
GENERAL NOTES:
1. THE CONTRACTOR SHALL PLACE INLET PROTECTION AROUND ALL STORM DRAIN INLETS TO PROTECT THE SYSTEM FROM COLLECTING SEDIMENTATION DURING CONSTRUCTION. INLET PROTECTION SHALL REMAIN IN PLACE UNTIL THE PARKING LOT IS PAVED.
2. CONTRACTOR SHALL ADJUST ALL FRAMES OF EX. UTILITY INFRASTRUCTURE WITHIN ASPHALT AND/OR CONCRETE AREAS TO MATCH PROPOSED GRADES.
3. ALL PROPOSED SPOT ELEVATIONS SHOWN IN THE PARKING LOT ARE PROPOSED EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.
4. ALL ROOF DRAINS SHALL BE DIRECTED TOWARDS ON-SITE COLLECTION SYSTEM. NO ROOF DRAINS SHALL BE DIRECTED OFF-SITE WITHOUT ENTERING THE ON-SITE COLLECTION FIRST.
5. 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.
6. 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 WT 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.

NOTATION:
CI = CURB INLET
DI = DROP INLET
CO = CLEANOUT
DDI = DOUBLE DROP INLET
MH = STORM DRAIN MANHOLE
FFE = FINISHED FLOOR ELEVATION
BPE = BUILDING PAD ELEVATION
FES = FLARED END SECTION

LEGEND:
29 — EXISTING CONTOUR
29 — PROPOSED CONTOUR
EG=25.05 — EXISTING SPOT ELEVATION
PG=25.05 — PROPOSED EDGE OF PAVEMENT
TS=25.05 — PROPOSED SIDEWALK ELEVATION
TC=25.05 — PROPOSED TOP OF CURB ELEVATION
INLET PROTECTION
LIMITS OF DISTURBANCE
SILT FENCE
DRAINAGE FLOW PATH
CI-1 — DRAINAGE INLET LABEL
DROP INLET
TREE PROTECTION FENCING

STORM SCHEDULE:

Upstream Node	Downstream Node	Diameter (in)	Pipe Length (ft)	Slope (%)	Upstream Pipe Invert (ft)	Downstream Pipe Invert(ft)	Upstream Rim Elev (ft)	Downstream Rim Elev (ft)	Pipe Material
DI-5	DI-4	15	66	0.50	27.28	26.95	32.10	31.68	RCP III
DI-4	DI-3	15	87	0.50	26.95	26.52	31.68	31.68	RCP III
DI-3	DI-2	18	42	0.50	26.52	26.31	31.68	31.68	RCP III
DI-2	FES-1	18	62	0.50	26.31	26.00	31.68	29.00	RCP III



FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

CLIENT INFORMATION:
GPM SOUTHEAST, LLC
1410 Commonwealth Dr.
Wilmington, NC 28403

PARAMOUNTE ENGINEERING
122 Cinema Drive
Wilmington, North Carolina 28403
(910) 791-6707 (O) (910) 791-6760 (F)
NC License #: C-2846

GRADING, DRAINAGE, & EROSION CONTROL PLAN
SCOTCHMAN STORE 3001
15515 Highway 53 East
Maple Hill Township, Pender County, NC

PROJECT STATUS
CONCEPTUAL LAYOUT: 3/23/16
PRELIMINARY LAYOUT:
FINAL DESIGN:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 6/22/16
SCALE: 1" = 20'
DESIGNED: JBS
DRAWN: JBS
CHECKED:

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 034354 ENGINEER JAMES BRANCH SMITH
6/29/16

C-3.0

PEI JOB#: 16130.PE