

ACCORDING TO DESIGN PLAN INFORMATION, EXISTING DRAINAGE STRUCTURE 107B HAS SAFETY SLABS INSTALLED AT ELEVATIONS 1178.52 AND 1166.02. CONTRACTOR TO FIELD VERIFY TOP SAFETY SLAB ELEVATION PRIOR TO CONSTRUCTION OF THE STORM DRAIN SYSTEM AND IMMEDIATELY NOTIFY THE ENGINEER IF SAFETY SLAB LOCATION PRESENTS A CONFLICT FOR THE INSTALLATION OF THE PROPOSED 15" STORM DRAIN PIPE.

FILTERRA UNIT TABLE

NAME	TOP ELEVATION	CURB INLET ELEVATION	INVERTS		DIAM. (IN.)	LENGTH (FT.)	SLOPE (FT./FT.)	PIPE TYPE	TO STRUCTURE	INVERT IN
			IN	OUT						
FT-1(4x12)	1183.80	1183.20	N/A	1180.25	6	3.5	0.0286	PVC	I-2A	1180.15
FT-2(4x8)	1184.15	1183.55	N/A	1180.60	4	4.3	0.0233	PVC	I-1A	1180.50
FT-3(4x6)	1184.80	1184.20	N/A	1181.25	4	129.0	0.0291	PVC	N/A	1177.50
FT-4(6x10)	1183.80	1183.20	N/A	1180.25	6	4.4	0.0227	PVC	I-2B	1180.15
FT-5(6x6)	1183.80	1183.30	N/A	1180.35	4	5.0	0.0200	PVC	I-1B	1180.25
FT-6(4x12)	1183.60	1183.00	N/A	1180.05	6	14.8	0.0709	PVC	N/A	1179.00
FT-ROOF(4x8)	1183.90	N/A	1182.40	1179.55	8	4.0	0.0500	PVC	DMH-2A	1179.35

DRAINAGE STRUCTURE TABLE

FROM STRUCTURE	RIM	INVERTS		DIAM. (IN.)	LENGTH (FT.)	SLOPE (FT./FT.)	PIPE EXITING STRUCTURE TYPE	TO STRUCTURE	INVERT IN
		IN	OUT						
I-1A	1183.40	-	1179.50	12	140.1	0.0136	HDPE	DMH-1A	1177.60
I-2A	1183.10	-	1177.95	12	28.2	0.0124	HDPE	DMH-1A	1177.60
DMH-1A	1183.70	1177.60	1177.35	15	110.0	0.0133	HDPE	DMH-2A	1175.90
DMH-2A	1183.75	1175.90	1175.80	15	40.0	0.0182	HDPE	EX-107B	1175.15
EX-107B	1181.70	1175.15	1154.00	18	17.5	0.0400	RCP	EX-107	1153.30
I-1B	1183.20	-	1178.30	12	52.0	0.0135	HDPE	DMH-1B	1177.80
I-2B	1183.10	-	1178.30	12	33.0	0.0152	HDPE	DMH-1B	1177.80
DMH-1B	1184.00	1177.80	1177.55	15	94.3	0.0127	HDPE	EX-152B	1176.35
EX-152B	1182.75	1176.35	1170.70	18	18.6	0.0700	RCP	EX-152	1169.40

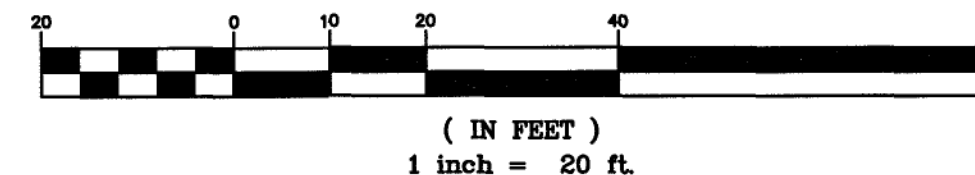
PROPOSED LEGEND:

- PROPERTY LINE
- PROPOSED CONCRETE CURB
- LIMITS OF DISTURBANCE
- PROPOSED STORM SEWER PIPE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- DRAINAGE SLOPE AND DIRECTION
- PROPOSED SPOT ELEVATION
- TOP OF CURB
- BOTTOM OF CURB
- H.P.
- PROPOSED CATCH BASIN. SEE CIVIL DETAILS.
- PROPOSED DRAIN MANHOLE
- PROPOSED AREA DRAIN
- PROPOSED SANITARY AND STORM CLEANOUT
- PROPOSED RIDGE LINE
- PROPOSED SIDEWALK RAMP

GRADING KEYNOTES:

- G1 PROPOSED STORM DRAIN LINE. SEE DETAILS.
- G2 PROPOSED STORM DRAIN INLET STRUCTURE. SEE DETAILS.
- G3 PROPOSED STORM DRAIN MANHOLE. SEE DETAILS.
- G4 PROPOSED CLEAN OUT. SEE DETAILS.
- G5 DOWNSPOUT CONNECTION. SEE ARCHITECTURAL AND PLUMBING PLANS FOR EXACT LOCATION. SEE DETAILS.
- G6 WYE-CONNECTION (TYPICAL).
- G7 CONTRACTOR TO CORE INTO EXISTING CATCH BASIN TO CONNECT PROPOSED DRAIN LINES AT INVERT ELEVATIONS SHOWN AND RESET RIMS TO PROPOSED RIM ELEVATION INDICATED.
- G8 PROPOSED DUMPSTER AREA DRAIN CONNECTED TO SANITARY SEWER. SEE DETAILS.
- G9 MATCH EXISTING ELEVATIONS
- G10 INSTALL EROSION CONTROL BLANKET ON ALL 2:1 SLOPED AREAS.
- G11 FILTERRA BIOTENTION WATER QUALITY UNIT. SEE DETAILS.
- G12 PROPOSED 12" CLEANOUT. SEE DETAILS.
- G13 LIMITS OF DISTURBANCE
- G14 1.5" WEEP HOLES, TYP. OF 2 MIN. AT LOW POINT.
- G15 PROPOSED NYLOPLAST WYE BRANCH CONNECTION. SEE CONSTRUCTION DETAIL SHEET C-7.3 FOR CONNECTION DETAIL.

GRAPHIC SCALE

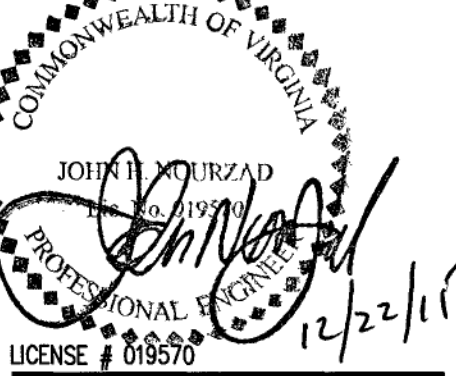


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ISSUE/REVISION RECORD

DATE	DESCRIPTION
06/05/15	CONCEPTUAL LAYOUT
07/01/15	CONCEPTUAL SUBMITTAL
07/14/15	COORDINATION SET
08/05/15	COUNTY RESPONSE #1
09/08/15	COUNTY RESPONSE #2
10/14/15	COUNTY RESPONSE #3
11/02/15	BID SET
12/03/15	COUNTY RESPONSE #4
12/23/15	CONSTRUCTION SET

PROFESSIONAL SEAL



PROFESSIONAL IN CHARGE

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PROJECT MANAGER
ANDRE PIMENTEL
QUALITY CONTROL
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DRAWN BY
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PROJECT NAME

TEXAS
ROADHOUSE

ROANOKE
VIRGINIA

SOUTH PEAK BLVD.



PROJECT NUMBER

20140788.0

SHEET TITLE

GRADING &
DRAINAGE PLAN

SHEET NUMBER

C4.0