

GENERAL GRADING NOTES

- The minimum required density for all compaction shall be 95 percent of maximum dry density with a moisture content within ± 2 percent of the optimum. It is contractor's responsibility to verify compacted fill is suitable for building construction.
- Unless shown and specified otherwise, methods and materials shall be in accordance with VDOT Road and Bridge Standards latest edition.
- Owner responsible for obtaining permission for any offsite grading, erosion and sediment control measures, and construction.
- A field review shall be made by the County of Roanoke during construction to determine the adequacy of channels and ditches as constructed in accordance with the approved plan. In the event of scour and erosion, the Owner shall install additional measures as determined and required by the County.
- It shall be the responsibility of the developer to clean out the existing storm-sewer system along Route 460 should this system become silted or blocked in anyway due to the proposed development.

ESC LEGEND

CE	CONSTRUCTION ENTRANCE VA. ESC HANDBOOK STD. & SPEC. 3.02
CRS	CONSTRUCTION ROAD STABILIZATION VA. ESC HANDBOOK STD. & SPEC. 3.03
STB	STRAW BALE BARRIER VA. ESC HANDBOOK STD. & SPEC. 3.04
SF	SILT FENCE VA. ESC HANDBOOK STD. & SPEC. 3.05
IP	INLET PROTECTION VA. ESC HANDBOOK STD. & SPEC. 3.07
TO	TOPSOILING VA. ESC HANDBOOK STD. & SPEC. 3.30
TS	TEMPORARY SEEDING VA. ESC HANDBOOK STD. & SPEC. 3.31
PS	PERMANENT SEEDING VA. ESC HANDBOOK STD. & SPEC. 3.32
SO	SODDING VA. ESC HANDBOOK STD. & SPEC. 3.33
DC	DUST CONTROL VA. ESC HANDBOOK STD. & SPEC. 3.39

GENERAL SITE NOTES

- ALL DIMENSIONS SHOWN ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
- ALL LANDSCAPE AND CONCRETE ISLANDS SHALL RECEIVE TYPE "B" CURB AND GUTTER PER DETAIL 1B, UNLESS OTHERWISE NOTED.
- UNLESS OTHERWISE SHOWN, CALLED OUT OR SPECIFIED HEREON OR WITHIN THE SPECIFICATIONS:
 - ALL CURBING ADJACENT TO CONCRETE PAVING SHALL BE INSTALLED PER DETAIL 1B. (SEE PAVING PLAN, SHEET C-4)
 - ALL PARKING LOT STRIPING INCLUDING ACCESSIBLE AND VAN ACCESSIBLE SPACES SHALL BE PAINTED PER ADA STANDARDS.

NUMBER OF CUSTOMER PARKING SPACES

SITE PLAN KEYNOTES

ITEM	NOTE
①	TRAFFIC FLOW ARROW (TYPICAL), REF: SD4.23
②	4" PAINTED STRIPES (TYPICAL), REF: SPECIFICATION, SECTION 02500, SHEET SP1
③	CURB RAMP (TYPICAL), REF: SD4.05
④	TRASH ENCLOSURE, REF: SD3.01
⑤	RAILING, REF: SD2.10
⑥	BOLLARD, REF: SD2.20
⑦	GREASE TRAP, REF: P2.02, BUILDING PLANS FOR DETAIL
⑧	6" SANITARY SEWER LINE
⑨	2" UNDERGROUND GAS LINE
⑩	1" UNDERGROUND WATER LINE W/1 1/2" METER
⑪	UNDERGROUND ELECTRIC LINE
⑫	2" UNDERGROUND TELEPHONE LINE
⑬	4" PVC PIPE SLEEVE UNDER DRIVE FOR IRRIGATION SYSTEM
⑭	ORDER BOARD AND DETECTOR LOOP, REF: SD2.07 AND SD2.21
⑮	MENU / CANOPY POST (TYPICAL), REF: CA1.23
⑯	- NOT USED -
⑰	ASPHALT PAVEMENT (SEE DETAIL, THIS SHEET)
⑱	CONCRETE PAVEMENT (SEE DETAIL THIS SHEET)
⑲	"CARHOP CROSSING" SIGNAGE, REF: SD2.17
⑳	- NOT USED -
㉑	- NOT USED -
㉒	POLE MOUNTED FLOOD LIGHTS, REF: SD3.23 AND FIXTURE SCHED. ON SHEET E2
㉓	- NOT USED -
㉔	- NOT USED -
㉕	CONC. WALKS AND PATIO (SEE DETAIL THIS SHEET)
㉖	TABLES SHALL BE MODEL #ET38NSQ (2 SEAT) OR #ET46NSQ (4SEAT) BY METAL FABRICATORS, INC. TABLES SHALL BE SECURELY FASTENED TO CONCRETE WITH ANCHOR BOLTS PER MANUFACTURER'S SPECS.
㉗	- NOT USED -
㉘	- NOT USED -
㉙	PREVIEW BOARD REF: SD2.07 AND SD2.21

SIGN SCHEDULE

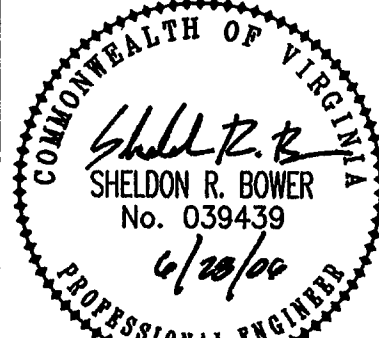
ITEM	QTY.	REFERENCE	SIGN TYPE
①	1	SD2.11	MONUMENT SIGN
②	1	SD2.23	ENTER SIGN
③	1	SD2.23	EXIT SIGN
④	1	A2.01	SIGN ON BLDG.
⑤	2	SD2.19	HANDICAPPED PARKING SIGN
⑥	1	VDOT R1-1	STD. STOP SIGN

MINIMUM STANDARDS CHECKLIST

Yes No NA

- ☒ ☐ MS-1 Have temporary and permanent stabilization been addressed in the narrative?
Are practices shown on the plan?
Temporary and permanent seed specifications?
Lime and fertilizer?
Mulching?
Pavement/Stone?
- ☒ ☐ MS-2 Has stabilization of soil stockpiles, borrow areas, and disposal areas been addressed in the narrative?
Are sediment trapping measures provided?
- ☒ ☐ MS-3 Has the establishment and maintenance of permanent vegetative stabilization been addressed?
- ☐ ☒ MS-4 Does the Plan specifically state that sediment trapping facilities shall be constructed as a first step in land-disturbing activities?
- ☐ ☒ MS-5 Does the Plan specifically state that stabilization of earthen structures is required immediately after installation?
- ☐ ☒ MS-6 Are sediment traps and sediment basins specified where needed?
- ☐ ☒ MS-7 Have temporary and permanent stabilization of cut and fill slopes been adequately addressed?
- ☐ ☒ MS-8 Are paved flumes, channels, or slope drains required on cut and fill slopes where necessary?
- ☐ ☒ MS-9 Has water seeping from a slope face been addressed (e.g., Surface Roughening, subsurface drains)?
- ☒ ☐ MS-10 Is adequate inlet protection required on all operational storm sewer inlets?
- ☐ ☒ MS-11 Are outlet protection and/or channel lining required on stormwater conveyance and receiving channels?
- ☐ ☒ MS-12 Are in-stream protection measures required so that channel impacts are minimized?
- ☐ ☒ MS-13 Are temporary stream crossings of non-erodible material required where applicable?
- ☐ ☒ MS-14 (NOTE: This regulation requires that all applicable federal, state and local regulations pertaining to working in or crossing live watercourses be followed.)
- ☐ ☒ MS-15 Has immediate revegetation of areas subject to in-stream construction been adequately addressed?
- ☐ ☒ MS-16 Have stabilization of utility trenches and dewatering operations been addressed?
- ☒ ☐ MS-17 Is the transport of soil and mud onto public roadways properly controlled? (i.e., Construction Entrances, wash racks, daily cleaning of roadways, transport of sediment to a trapping facility)
- ☒ ☐ MS-18 Has the removal of temporary practices been addressed?
Has the removal of accumulated sediment and the final stabilization of the resulting disturbed areas been addressed?
- ☐ ☒ MS-19 Are properties and waterways downstream from development adequately protected from erosion and sediment deposition due to increases in peak stormwater runoff?

VVVA ID# 60298M



REVISIONS

DATE

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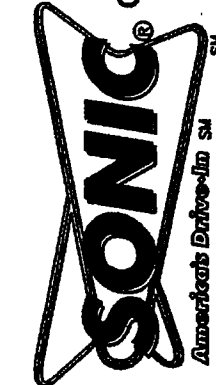
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CONSTRUCTION OF THE DRIVE-IN AT THE SPECIFIED LOCATION

SONIC DRIVE-IN

BUILDING TYPE: 02XW

CHALLENGER AVENUE

ROANOKE, VIRGINIA

GRADING AND EROSION & SEDIMENT

CONTROL PLAN

SHEET

C-5

DWG: 06-0033-04

DATE: APRIL 14, 2006