

STORM DRAIN-100 PROFILE

VERT. STND. DI-1
STA 1+00
RIM 1122.75
INVERT OUT 1119.25

PAVEMENT PLANTER

EXISTING GRADE

PROPOSED GRADE

UNDERGROUND SWM BASIN
STA 2+36.65
TOP 1121.02
INVERT IN 1118.35

UNDERGROUND SWM FACILITY
(STORM TRAP, SEE DETAIL SHEETS)

UNDERGROUND SWM BASIN
STA 3+09.95
TOP 1121.02
INVERT OUT 1118.35

FLARED END SECTION OUTFALL
STA 3+09.95
RIM 1118.15

HGL

1120

1122.05 (100 YEAR STORM)

136.65' - 15" RCP @ 0.66%

34.25'

39.05' - 24" RCP @ 0.50%

BOXED OUTLET
(SEE SHEET C1.14)

DATUM ELEV
1105.00

1123.7

1124.2

1123.6

1123.2

1120.4

1119.3

1+00

2+00

3+00

SCALE
VERT : 1"=10'
HORIZ : 1"=20'

Diagram illustrating the proposed sewer line profile and existing ground conditions.

Vertical Elevation Data:

- PROPOSED GRADE
- EXISTING GRADE
- INVERT IN 1122.30
- INVERT IN 1118.35

Horizontal Dimensions:

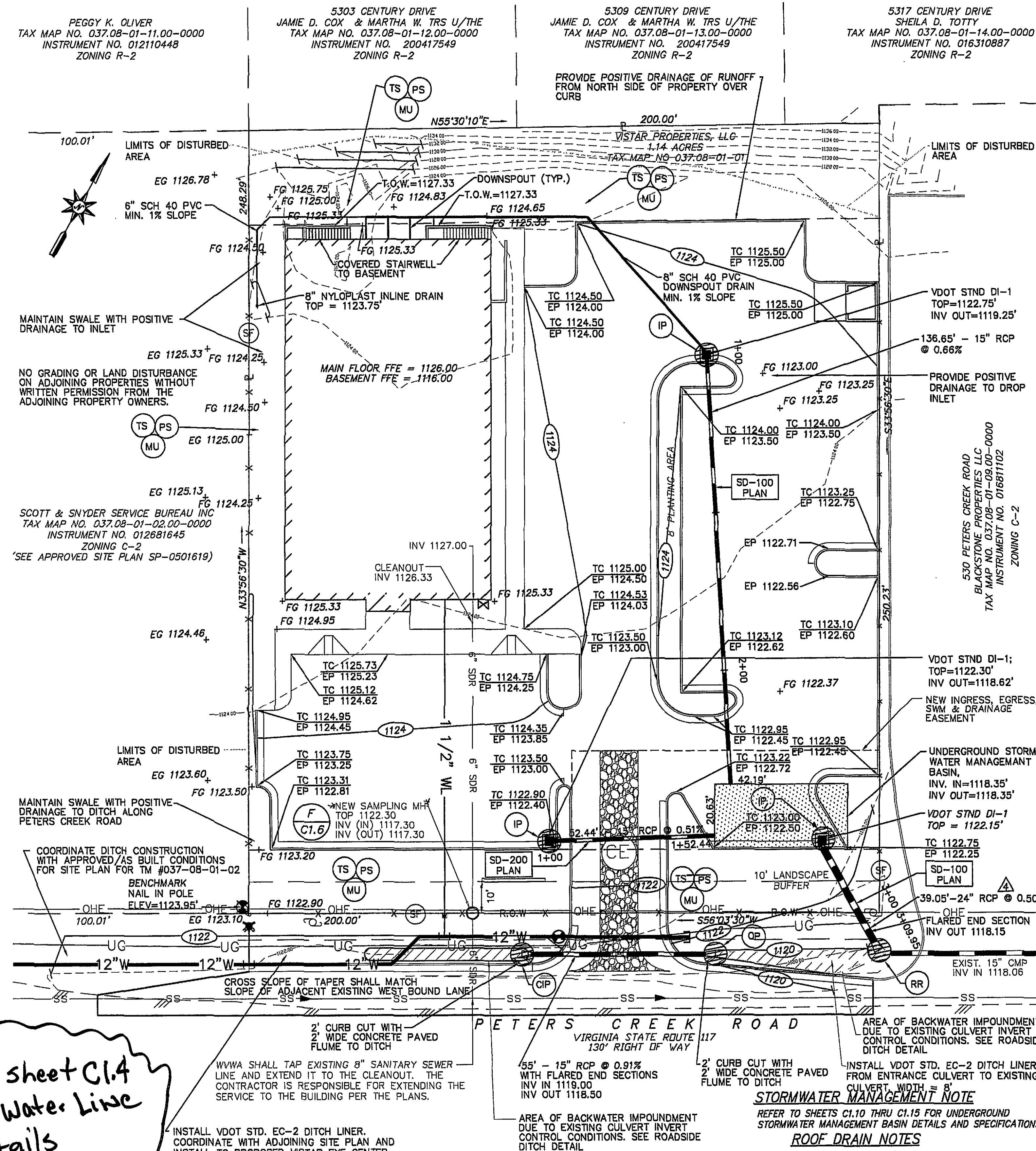
- 52.44' (Total length of the sewer line segment shown)
- 15" RCP @ 0.51% (Pipe size and slope)

Scale:

- VERT: 1" = 5'
- HORIZ: 1" = 20'

Additional Labels:

- PROPOSED GRADE
- EXISTING GRADE
- INVERT IN 1122.30
- INVERT IN 1118.35
- 1120 (Vertical offset from datum to existing ground)
- 1105.00 (Datum Elevation)
- 1+00 (Stationing)
- 1+52.44 (Stationing)



See sheet C1.4
For Water Line
Details

WVWA SHALL TAP EXISTING 8" SANITARY SEWER —
LINE AND EXTEND IT TO THE CLEANOUT. THE
CONTRACTOR IS RESPONSIBLE FOR EXTENDING THE
SERVICE TO THE BUILDING PER THE PLANS.

2. INSTALL VDOT STD. EC-2 DITCH LINER.
COORDINATE WITH ADJOINING SITE PLAN AND
INSTALL TO PROPOSED VISTAR EYE CENTER
ENTRANCE CULVERT.
WIDTH = 8'

— AREA OF BACKWATER IMPOUNDMENT
DUE TO EXISTING CULVERT INVERT
CONTROL CONDITIONS. SEE ROADSIDE
DITCH DETAIL

COLLECTOR WIDTH = 8"

STORMWATER MANAGEMENT NOTE

REFER TO SHEETS C1.10 THRU C1.15 FOR UNDERGROUND
STORMWATER MANAGEMENT BASIN DETAILS AND SPECIFICATIONS.

ROOF DRAIN NOTES

ROOF DRAINS SHALL CONNECT TO ROOF LEADERS WITH FABRICATED WYES OR TEES. CLEANOUTS FOR ROOF LEADERS TO BE CUT OFF WITH FINAL GRADE.

WATER NOTE

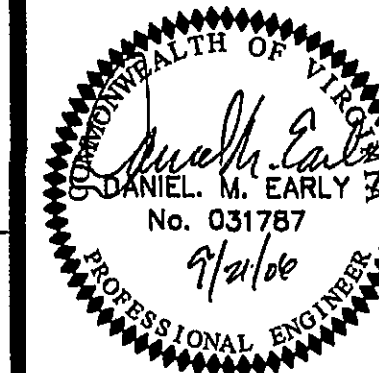
REFER TO SHEET C1.4 FOR OFFSITE WATERLINE PLAN
AND PROFILE.

COMPACTION NOTES

SUBGRADE UNDER NEW BUILDINGS AND PAVEMENT SHALL BE COMPACTED TO A MINIMUM OF 95 % OF STANDARD PROCTOR (ASTM D698). GRASS AND LANDSCAPE AREAS SHALL BE COMPACTED TO A MINIMUM OF 80% OF STANDARD PROCTOR (ASTM D698).

20' 10' 0' 20' 40' 1" = 20'

GRAPHIC SCALE



ACS DESIGN

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**VISTAR EYE CENTER
SITE PLAN
ROANOKE COUNTY, VIRGINIA**

DRAWN BY: KAL

DESIGNED BY: KAL

CHECKED BY: DME

DATE: 03/28/200

SCALE: 1"=20'

REVISIONS

REVISION	COMMENT	DATE
1	SWM PROFILE	05/05
2	RETAINING WALL DESIGN DETAIL	05/05
3	PER ROA. CO./CITY OF ROA.	06/06
4	PER ROANOKE COUNTY	07/06
5	AMENDED SITE PLAN	07/06
6	Per Review 1 Revised Comments	9/06

SHEET No.

C1.3

GRADING, UTILITY, AND EROSION CONTROL PLAN

JOB No. 06005