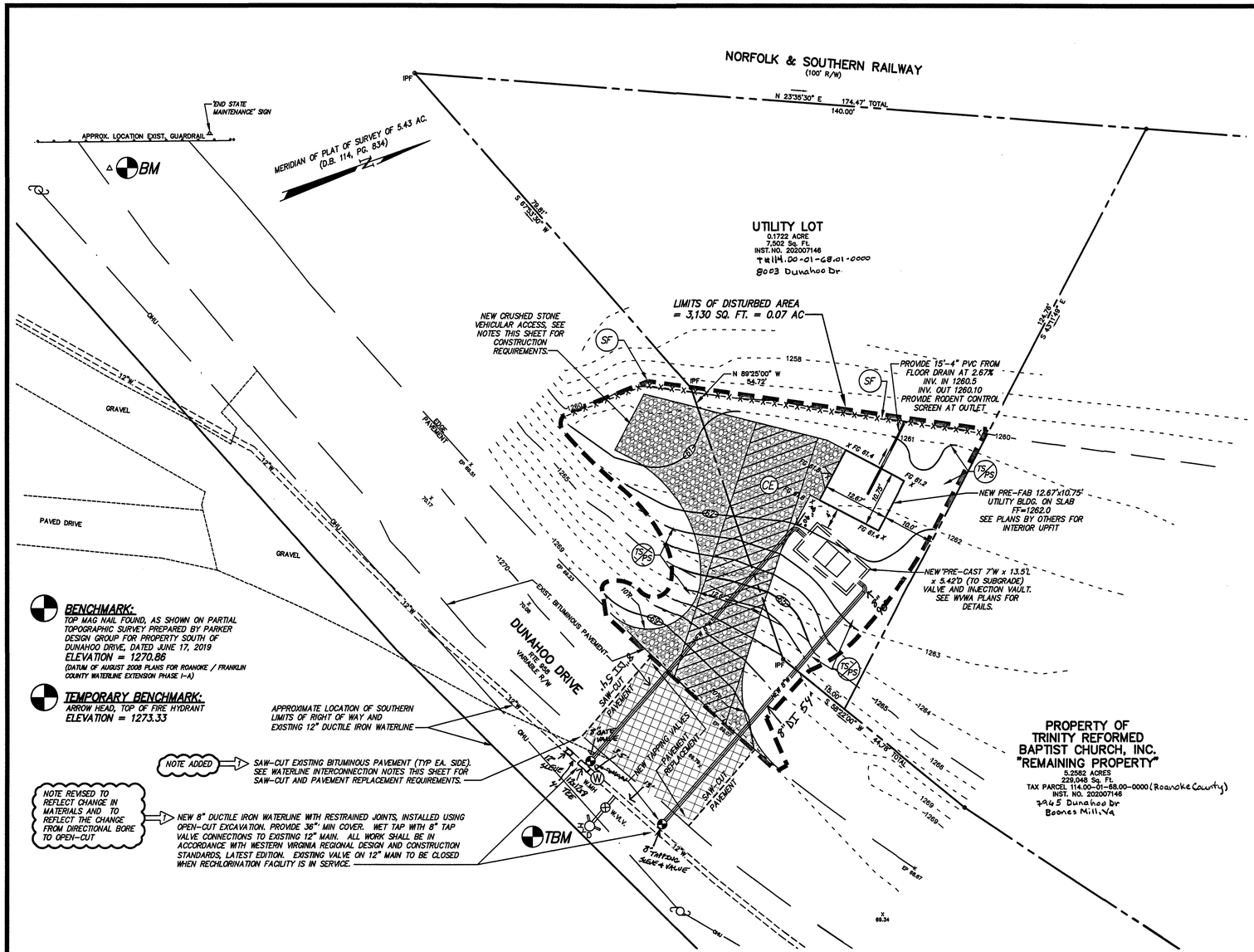


BENCHMARK:
TOP MAG NAIL FOUND, AS SHOWN ON PARTIAL TOPOGRAPHIC SURVEY PREPARED BY PARKER DESIGN GROUP FOR PROPERTY SOUTH OF DUNAHOO DRIVE, DATED JUNE 17, 2019
ELEVATION = 1270.86
(DATUM OF AUGUST 2008 PLANS FOR ROANOKE / FRANKLIN COUNTY WATERLINE EXTENSION PHASE I-A)

TEMPORARY BENCHMARK:
ARROW HEAD, TOP OF FIRE HYDRANT
ELEVATION = 1273.33

TEMPORARY EROSION CONTROL MEASURES

(CE) TEMPORARY CONSTRUCTION ENTRANCE
A NEW TEMPORARY CONSTRUCTION ENTRANCE IS REQUIRED AT THE LOCATION OF THE NEW PRIVATE ENTRANCE. THIS TEMPORARY ENTRANCE SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE VIRGINIA EROSION AND SEDIMENTATION CONTROL HANDBOOK.

(PS) PERMANENT SEEDING
ALL DISTURBED AREAS NOT TO RECEIVE HARD SURFACING SHALL BE PERMANENTLY SEEDED WITHIN SEVEN (7) DAYS OF ACHIEVING FINAL GRADE, OR ON DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE WITHIN ONE YEAR. IN THE EVENT THAT CERTAIN DISTURBED AREAS ARE TO BE LANDSCAPE MULCHED IN LIEU OF PERMANENT SEEDING, THE AREAS MUST BE MULCHED WITH SHREDDED HARDWOOD OR OTHER PROTECTIVE COVERINGS IN ACCORDANCE WITH THE TIMELINES FOR TEMPORARY AND PERMANENT SEEDING, SHOWN HEREIN.

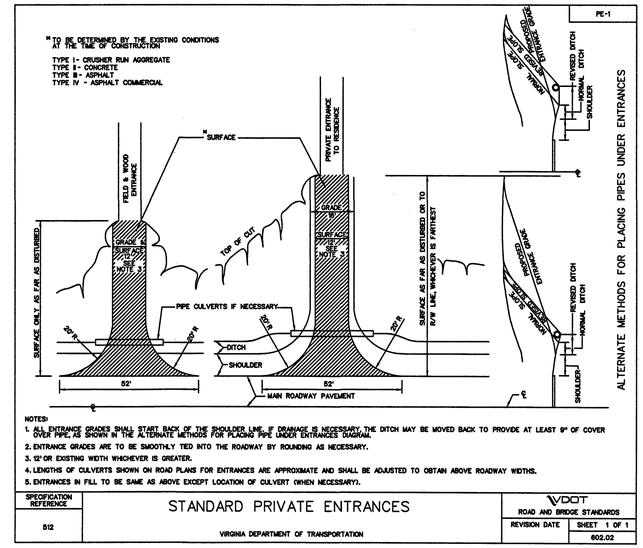
(SF) TEMPORARY SILT FENCE BARRIER
SILT FENCE BARRIER SHALL BE PROVIDED DOWN-GRADIENT OF DISTURBED AREAS, AS SHOWN HEREON. THE BARRIER SHALL BE MAINTAINED, CLEANED, AND / OR REPLACED AS NECESSARY UNTIL SUCH TIMES THAT ALL UP-GRADIENT DISTURBED AREAS ARE STABILIZED AGAINST EROSION AND SEDIMENTATION. SILT FENCE SHALL BE REMOVED ONLY UPON WRITTEN NOTIFICATION FROM THE COUNTY OF ROANOKE.

(TS) TEMPORARY SEEDING
ALL DISTURBED AREAS NOT TO RECEIVE HARD SURFACING THAT ARE WILL NOT BE BROUGHT TO FINISH GRADE FOR MORE THAN 14 DAYS SHALL RECEIVE TEMPORARY SEEDING.

SOIL EROSION AND SEDIMENT CONTROL MEASURES

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, THIRD EDITION" (VESCH). THE MINIMUM STANDARDS OF THE VESCH SHALL BE ADHERED TO UNLESS OTHERWISE DIRECTED BY THE LOCAL PROGRAM ADMINISTRATOR.

Revised August 04, 2020 Per 1st VDOT Review – C.L. White



NOTES:
1. ALL ENTRANCE GRADES SHALL START BACK OF THE SHOULDER LINE. IF DRAINAGE IS NECESSARY, THE DITCH MAY BE MOVED BACK TO PROVIDE AT LEAST 9" OF COVER OVER PIPE, AS SHOWN IN THE ALTERNATE METHODS FOR PLACING PIPE UNDER ENTRANCES DIAGRAM.
2. ENTRANCE GRADES ARE TO BE SMOOTHLY TIED INTO THE ROADWAY BY ROUNDING AS NECESSARY.
3. 12' OR EXISTING WIDTH WHICHEVER IS GREATER.
4. LENGTHS OF CULVERTS SHOWN ON ROAD PLANS FOR ENTRANCES ARE APPROXIMATE AND SHALL BE ADJUSTED TO OBTAIN ABOVE ROADWAY WIDTHS.
5. ENTRANCES IN FILL TO BE SAME AS ABOVE EXCEPT LOCATION OF CULVERT (WHEN NECESSARY).

SPECIFICATION REFERENCE	STANDARD PRIVATE ENTRANCES	VDOT ROAD AND BRIDGE STANDARDS
512	VIRGINIA DEPARTMENT OF TRANSPORTATION	REVISION DATE: — SHEET 1 OF 1 — 602.02

VEHICULAR ACCESS CONSTRUCTION

NEW "PE-1" ENTRANCE AND TEE-TURNAROUND AREA SHALL BE CONSTRUCTED AS FOLLOWS:
1. IT IS REALIZED THAT THE WESTERN FILLET RADIUS OF THE NEW ENTRANCE TO DUNAHOO DRIVE IS LESS THAN THAT REQUIRED BY THE "PE-1" DETAIL SHOWN ABOVE. THIS IS DUE TO THE PROXIMITY OF THE NEW ENTRANCE TO THE PUBLIC STREET DEAD-END.
2. CONTRACTOR SHALL PERFORM MINOR GRADING OPERATIONS TO DEFINE SUBGRADE ELEVATIONS. FILL AREAS SHALL BE COMPACTED TO MINIMUM 95% STANDARD PROCTOR (ASTM D698). CUT AREAS SHALL BE PROOF-ROLLED WITH A LOADED TANDEM-AXLE DUMP TRUCK. ANY AREAS THAT EXHIBIT RUTTING, PUMPING OR OTHER UNACCEPTABLE CONDITIONS SHALL BE RE-ROLLED OR UNDERCUT AND REPLACED WITH SUITABLE BACKFILL, AS DIRECTED BY THE GEOTECHNICAL ENGINEER OR OWNER.
3. UPON COMPLETION OF SUBGRADE, PLACE 8 INCHES COMPACTED THICKNESS OF VDOT 21-B BASE STONE. COMPACT TO 95% STANDARD PROCTOR.
4. FINISH SOIL GRADE AT THE EDGES OF THE NEW CRUSHED STONE SURFACES SHALL MATCH TOP OF STONE, SUCH THAT RUNOFF MAY FLOW FREELY FROM ONE SURFACE TO THE OTHER.

NEW WATER INTERCONNECTION NOTES

1. THE LOCATION OF EXISTING WATER MAIN SHOWN HEREON IS BASED ON AVAILABLE RECORDS.
2. SEE ATTACHED TRAFFIC PLAN RELATIVE TO PAVEMENT OPEN-CUT AND WATERLINE INTERCONNECTIONS.
3. SAW-CUT EXISTING ASPHALT AT LOCATION OF EXCAVATION. THE SAW-CUT THROUGH BITUMINOUS MATERIAL SHALL BE ONE FOOT LARGER IN ALL DIRECTIONS THAN THE AREA OF BASE STONE REMOVAL, SUCH THAT REPLACEMENT BITUMINOUS MATERIAL WILL OVERLAP UNDISTURBED BASE STONE.
4. THE CONTRACTOR SHALL PERFORM ALL LABOR AND PROVIDE ALL MATERIALS REQUIRED FOR INTERCONNECTIONS, INCLUDING WET-TAPS. FOLLOWING THE CONTRACTOR'S EXCAVATION, INSTALLATION OF NEW WATERLINE, AND PREPARATION OF THE NEW TAP, THE WVWA WILL PERFORM THE ACTUAL TAP, USING ALL CONTRACTOR SUPPLIED MATERIALS.
5. UPON COMPLETION OF THE NEW TAP, BACKFILL AND COMPACT THE EXCAVATION TO SUBGRADE, IN ACCORDANCE WITH WVWA AND VDOT REQUIREMENTS.
6. PROVIDE PAVEMENT REPLACEMENT IN ACCORDANCE WITH VDOT REQUIREMENTS.
7. SEE WVWA PLAN SHEETS FOR NEW VAULT, CONTROL VALVING AND ELECTRICAL INTERCONNECTIONS.

REVISED NOTES 2, 3, 4, & 6, AND DELETED ORIGINAL NOTE 3, TO REFLECT THE CHANGE FROM DIRECTIONAL BORE TO OPEN-CUT

Dunahoo Project
Taft Beasley (Field Ops)
As-Built: 09/31/2020

10' 8' 0' 10' 20' — 1" = 10'
GRAPHIC SCALE

COMMONWEALTH OF VIRGINIA
CORBIN L. WHITE
License No. 23843
08-04-20
PROFESSIONAL ENGINEER

PLOT PLAN
FOR
PROPOSED RECHLORINATION FACILITY
SHOWING A NEW UTILITY BUILDING, UNDERGROUND VAULT, AND NEW PRIVATE ENTRANCE
FOR
THE WESTERN VIRGINIA WATER AUTHORITY
SITUATE THE SOUTHERN TERMINUS OF DUNAHOO DRIVE
CAVE SPRING MAGISTERIAL DISTRICT
COUNTY OF ROANOKE, VIRGINIA

Designed: C.L. White
Drawn: C.L. White
Checked:
Date: July 31, 2020
Scale: 1" = 10'
Tax Parcel: (to be determined)
Field Book: JW-38
W.O. No.: 20-0057

CWA
CALDWELL WHITE ASSOCIATES
ENGINEERS / SURVEYORS / PLANNERS
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