

GPS STATEMENT

THIS SURVEY WAS PERFORMED TO MEET FEDERAL GEOGRAPHIC DATA COMMITTEE STANDARDS AS APPLICABLE. THAT THE ORIGINAL GPS DATA WAS OBTAINED ON SEPTEMBER 29, 2022, THAT THE FIELD LOCATION WAS COMPLETED ON OCTOBER 3, 2022; THE PRIMARY STATE PLANE AZIMUTH COORDINATES SHOWN HEREON ARE NORTH CAROLINA STATE PLANE VALUES (FPS 3200) BASED ON THE NAD 1983 (NSRS 2011) NAVD 1988 (GEOID 126) ADJUSTMENT AS POSITIONED BY THE NCGS VRS NETWORK FROM OBSERVATIONS MADE BY THIS OFFICE USING TRIMBLE GNSS R-8 MODEL 4 SURVEY GRADE DUAL FREQUENCY RECEIVERS AND OBSERVED USING MULTIPLE SESSIONS A MINIMUM OF 540 EPOCHS; ALL OTHER COORDINATES ARE LOCALIZED GROUND VALUES DERIVED FROM CONVENTIONAL METHODS BY THIS OFFICE. THIS SURVEY WAS COMPILED TO MEET THE ASPRS STANDARDS FOR CLASS 1 MAP ACCURACY AT 1:600 (1" = 50'). ALL REPORTED VALUES ARE U.S. SURVEY FEET.

SURVEY NOTES:

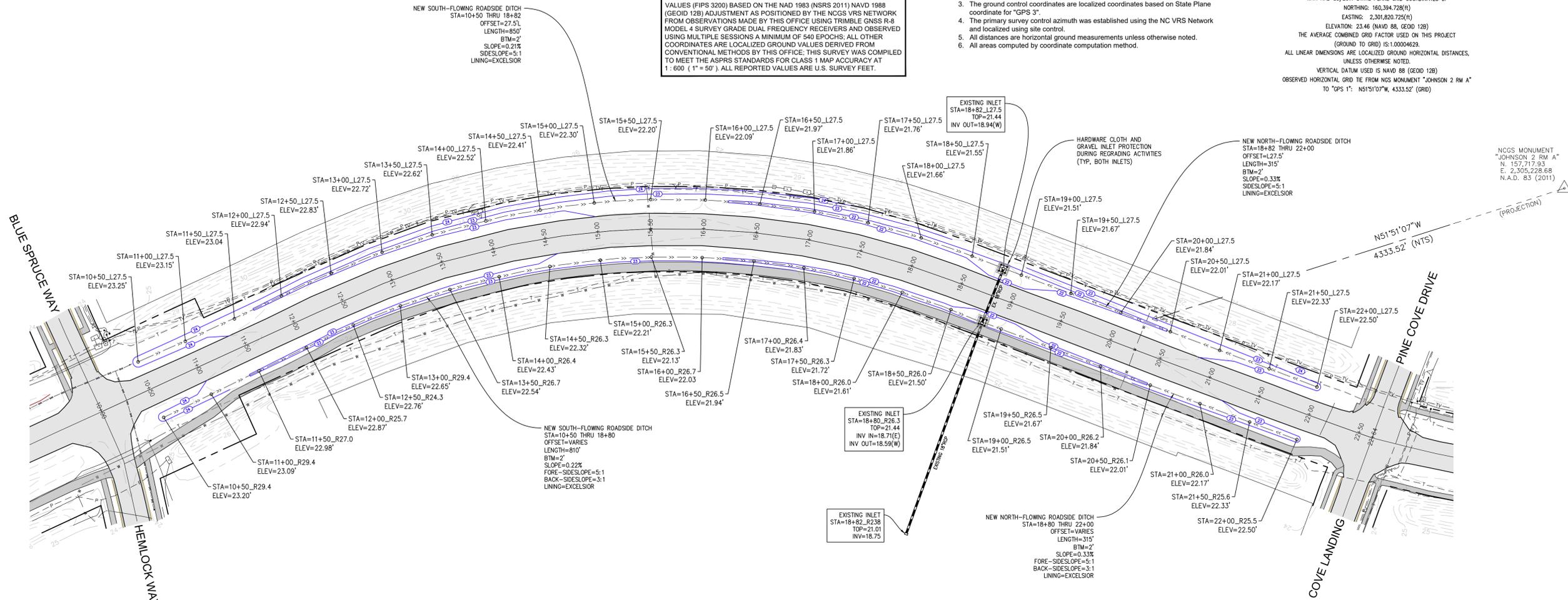
- This plan is derived from information gathered by an actual field survey made by ESP Associates, Inc. and plotted September, 2022.
- Horizontal datum used for this project is NAD 1983 / NSRS 2011 (US Survey Feet).
- The ground control coordinates are localized coordinates based on State Plane coordinate for "GPS 3".
- The primary survey control azimuth was established using the NC VRS Network and localized using site control.
- All distances are horizontal ground measurements unless otherwise noted.
- All areas computed by coordinate computation method.

GEODETTIC CONTROL TIE

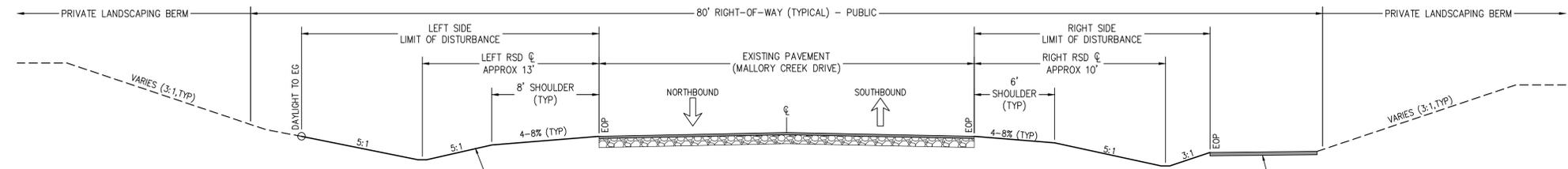
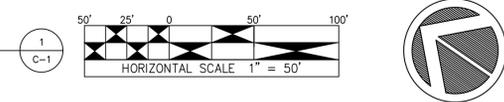
THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED FOR "GPS 1" WITH NAD 83/2011 STATE PLANE GRID COORDINATES OF
 NORTHING: 160,394.728(R)
 EASTING: 2,301,820.725(H)
 ELEVATION: 23.46 (NAVD 88, GEOID 126)
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS 1.0004623.
 ALL LINEAR DIMENSIONS ARE LOCALIZED GROUND HORIZONTAL DISTANCES, UNLESS OTHERWISE NOTED.
 VERTICAL DATUM USED IS NAVD 88 (GEOID 126)
 OBSERVED HORIZONTAL GRID TIE FROM NGS MONUMENT "JOHNSON 2 RM A" TO "GPS 1": N51°51'07"W, 4333.52' (GRID)



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MALLERY CREEK DRIVE DRAINAGE IMPROVEMENTS
 1" = 50' (ON 24" X 36" PLAN SHEET)



ROADWAY SHOULDER RECONSTRUCTION DETAIL
 NOT TO SCALE

GENERAL NOTES:

- THE PROPERTY BOUNDARY, TOPOGRAPHIC, AND UTILITY SURVEY SHOWN ON THESE PLANS WERE PROVIDED BY ESP ASSOCIATES, INC. IN WILMINGTON, NC.
- THE TOTAL DISTURBANCE FOR THIS RIGHT-OF-WAY REGRADING PROJECT IS APPROXIMATELY 1.1 ACRES.
- THE SITE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES ABOVE AND BELOW GROUND BEFORE COMMENCING CONSTRUCTION.
- THE SITE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF ALL WASTE MATERIALS GENERATED THROUGH DEMOLITION AND GRADING ACTIVITIES SHOWN ON THESE PLANS.
- THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT SEDIMENT-LADEN RUNOFF IS TREATED PRIOR TO BEING DISCHARGED FROM THE SITE AND MAY BE REQUIRED TO PROVIDE ADDITIONAL MEASURES OF SEDIMENT CONTROL BASED UPON THE PERFORMANCE OF EROSION CONTROL MEASURES PROVIDED ON SITE.
- DENUDED AREAS MUST BE STABILIZED BASED UPON THE GROUND STABILIZATION REQUIREMENTS PROVIDED ON THE APPROVED EROSION CONTROL DRAWINGS. THIS INCLUDES SLOPES, SWALES, CHANNELS, AND STOCKPILES.
- MATERIAL AND SOIL STAGING/STOCKPILING AREAS SHALL BE LOCATED WITHIN THE LIMIT OF DISTURBANCE, SURROUNDED BY SILT FENCE, AND STABILIZED AS REQUIRED BY THE STABILIZATION REQUIREMENTS AND SEEDING SCHEDULES.
- EXCELSIOR MATTING AND SEEDING SHALL BE USED FOR ANY REGRADED DRAINAGE DITCHES IN PUBLIC RIGHTS-OF-WAY.
- ALL EXISTING STORM DRAIN SYSTEM INLETS SHALL BE PROTECTED FROM SEDIMENTATION WITH HARDWARE CLOTH AND GRAVEL (OR APPROVED EQUAL).
- THIS DESIGN DOES NOT INCLUDE A SPECIFIC TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL COORDINATE WITH THE TOWN OF LELAND REGARDING ANY REQUIRED OR PLANNED LANE CLOSURES, CONSTRUCTIONS, OR DETOURS AND THE REQUISITE WORK ZONE TRAFFIC CONTROL (WZTC) MEASURES.

ISSUED FOR CONSTRUCTION

BEFORE YOU DIG, CALL

North Carolina 811
 www.nc811.org

| REV | DATE | DESCRIPTION | JRC | INIT |
|-----|-------------|----------------------------|-----|------|
| 0 | 10 JUN 2023 | ISSUED FOR CONSTRUCTION | JRC | JRC |
| A | 10 NOV 2022 | INITIAL PLAN SHEET RELEASE | JRC | JRC |



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|---------------|-----------------|
| APPROVED: JRC | PROJECT: 920-08 |
| CHECKED: JBP | SCALE: 1" = 50' |
| DESIGNED: JRC | RELEASE: IPC |

SHEET
C-1

MALLERY CREEK DRIVE
 Town of Leland, North Carolina

ROADSIDE DRAINAGE IMPROVEMENTS