

UTILITIES

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GENERAL NOTES

BEARINGS SHOWN ON THE PLANS ARE GRID BEARINGS.

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

NO TREES ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

SAWING EXISTING PAVEMENT ON THIS PROJECT IS CONSIDERED INCIDENTAL TO OTHER CONTRACT ITEMS.

EROSION BALES TO BE PLACED AS DIRECTED BY THE ENGINEER.

WHEN THE QUANTITY OF THE ITEMS OF SUBBASE OR BASE COURSE IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

THE EXACT LOCATION OF CULVERT PIPE, PRIVATE ENTRANCES, AND FIELD ENTRANCES SHALL BE DETERMINED BY THE ENGINEER.

MARSH EXCAVATION MATERIALS MAY BE USED AS SALVAGED TOPSOIL AND TO CONSTRUCT ROADWAY OUTSIDE OF 2:1 SIDESLOPES. SEE CROSS SECTIONS.

DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCLUSIVE OF THE ROADBED, ARE TO BE FERTILIZED AND SEEDING AS DIRECTED BY THE ENGINEER.

RIGHT OF ENTRY FOR P.E. CONSTRUCTION HAVE BEEN OBTAINED.

SEED MIXTURE No. 2 SHALL BE USED.

STANDARD DETAIL DRAWINGS

- BE1-9 APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH
- BE4-2 SOD OR MASONRY AND SOD DITCH CHECKS
- BE9-2 SILT FENCE
- BE8-1 TYPICAL INSTALLATION OF EROSION BALES
- 15C2-1 TRAFFIC CONTROL TO CLOSE HIGHWAY UNDER CONSTRUCTION
- 15C1-7 CONSTRUCTION BARRICADES AND STANDARD SIGNS
- 15C8-1 PAVEMENT MARKING

STANDARD ABBREVIATIONS

| | | | |
|----------|-------------------------------|----------|----------------------------------|
| AC | ACRE | MI. | MILES |
| ABS. | ABBREVIATE | M.P.H. | MILES PER HOUR |
| AHD. | AHEAD | MAX. | MAXIMUM |
| @ | AT | M | MID ORDINATE |
| AVE. | AVENUE | MIN. | MINIMUM |
| AVG. | AVERAGE | MON. | MONUMENT |
| ADT. | AVERAGE DAILY TRAFFIC | NOR. | NORMAL |
| AZ. | AZIMUTH | N | NORTH |
| BY. | BACK | No. 1# | NUMBER |
| B. | BASELINE | ABLIT. | ABLITERATE |
| B.M. | BENCH MARKS | PK. | PARKER KEYLON NAIL |
| BIT. | BITUMINOUS | PAVT. | PAVEMENT |
| C. | CENTERLINE | P.C. | POINT OF CURVATURE |
| Δ | CENTRAL ANGLE | P.I. | POINT OF INTERSECTION |
| CONC. | CONCRETE | P.O.L. | POINT ON LINE |
| CONST. | CONSTRUCT (LION) | P.B.C. | POINT OF REVERSE CURVE |
| CDR. | CORNER | L.B.S. | POUNDS |
| C.M.C.P. | CORRUGATED METAL CULVERT PIPE | PP. | POWER POLE |
| Co. | COUNTY | P.E. | PRIVATE ENTRANCE |
| CTH. | COUNTY TRUNK HIGHWAY | R. | RADIUS |
| CU.YD. | CUBIC YARD | RAF. | RAILROAD |
| C.P. | CULVERT PIPE | R. | RANGE |
| C & G | CURB AND GUTTER | R. | REFERENCE LINE |
| D | DEGREE OF CURVE | RT. | RIGHT |
| DHV. | DESIGN HOUR VOLUME | R.H.F. | RIGHT HAND FORWARD |
| DIA. | DIAMETER | R.C.C.P. | REINFORCED CONCRETE CULVERT PIPE |
| D | DIRECTIONAL DISTRIBUTION | REBAR. | REINFORCEMENT BAR |
| EA. | EACH | REQD. | REQUIRED |
| E | EAST | RD. | ROAD |
| ELEC. | ELECTRIC (AL) | SEC. | SECTION |
| EL. | ELEVATION | SHLDR. | SHOULDER |
| EBS. | EXCAVATION BELOW SUBGRADE | S | SOUTH |
| EXIST. | EXISTING | SQ YD. | SQUARE YARD |
| FT. | FOOT/FEET | S.D.D. | STANDARD DETAIL DRAWING |
| F.E. | FIELD ENTRANCE | ST. | STREET |
| FD. | FOUND | S.E. | SUPERELEVATION |
| GAR. | GARAGE | T | TANGENT |
| GRAV. | GRAVEL | TEL PED. | TELEPHONE PEDESTAL |
| HSE. | HOUSE | T/TN | TOWN (SHIP) |
| HWT. | HUNDREDWEIGHT | TYP. | TYPICAL |
| INTERS. | INTERSECTION | UNCL. | UNCLASSIFIED |
| INV. | INVERT | UG. | UNDERGROUND CABLE |
| I.P. | IRON PIPE | VAR. | VARIABLE |
| JT. | JOINT | V | VELOCITY |
| JCT. | JUNCTION | V.C. | VERTICAL CURVE |
| LT. | LEFT | W | WEST |
| L.H.F. | LEFT HAND FORWARD | WM. | WATERMAIN |
| L | LENGTH OF CURVE | S.S. | SANITARY SEWER |
| L.H.E. | LIMITED HIGHWAY EASEMENT | ST.S. | STORM SEWER |
| LN FT. | LINEAR FEET | S.S.D. | STOPPING SIGHT DISTANCE |