

**GENERAL INFORMATION**

**SYMBOLY LEGEND NOTE**

THE SYMBOLY ON THIS SHEET IS INTENDED TO COVER STANDARD CONVENTIONAL SYMBOLY. THE SYMBOLY IS USED FOR EXISTING & PROPOSED FEATURES WITH HEAVIER LINEWEIGHT, IN COMBINATION WITH PROJECT ANNOTATION, AS NOTED ON PROJECT PLAN SHEETS. THIS LEGEND SHEET COVERS THE BASICS. SYMBOLY ON PLANS MAY VARY, PLAN ANNOTATIONS AND NOTES SHOULD BE USED TO CLARIFY AS NEEDED.

**R. O. W. ABBREVIATIONS (CODES) & SYMBOLS**

| POINT CODE | DESCRIPTION                  |
|------------|------------------------------|
| CH         | CHANNEL EASEMENT             |
| CONST      | CONSTRUCTION EASEMENT        |
| CUL        | CULVERT EASEMENT             |
| D&C        | DISCONNECT & CONNECT         |
| DIT        | DITCH EASEMENT               |
| DR         | DRAINAGE EASEMENT            |
| DRIVE      | DRIVEWAY EASEMENT            |
| EC         | EROSION CONTROL              |
| HWY        | HIGHWAY EASEMENT             |
| I&M        | INSTALL & MAINTAIN EASEMENT  |
| LAND       | LANDSCAPE EASEMENT           |
| R&RES      | REMOVE & RESET               |
| R&REP      | REMOVE & REPLACE             |
| SR         | SLOPE RIGHT                  |
| UE         | UTILITY EASEMENT             |
| (P)        | PERMANENT EASEMENT           |
| (T)        | TEMPORARY EASEMENT           |
| ■          | BNDNS BOUND SET              |
| ▣          | BNDNS BOUND TO BE SET        |
| ⊙          | IPNF IRON PIN FOUND          |
| ●          | IPNS IRON PIN TO BE SET      |
| ⊗          | CALC EXISTING ROW POINT      |
| ○          | PROW PROPOSED ROW POINT      |
| [LENGTH]   | LENGTH CARRIED ON NEXT SHEET |

**COMMON TOPOGRAPHIC POINT SYMBOLS**

| POINT CODE | DESCRIPTION                      |
|------------|----------------------------------|
| ⊕          | APL BOUND APPARENT LOCATION      |
| □          | BM BENCHMARK                     |
| ▣          | BND BOUND                        |
| ▣          | CB CATCH BASIN                   |
| ⊕          | COMB COMBINATION POLE            |
| ▣          | DITHR DROP INLET THROATED DNC    |
| ⊕          | EL ELECTRIC POWER POLE           |
| ○          | FPOLE FLAGPOLE                   |
| ○          | GASFIL GAS FILLER                |
| ○          | GP GUIDE POST                    |
| ×          | GSO GAS SHUT OFF                 |
| ○          | GUY GUY POLE                     |
| ○          | GUYW GUY WIRE                    |
| ×          | GV GATE VALVE                    |
| ⊕          | H TREE HARDWOOD                  |
| △          | HCTRL CONTROL HORIZONTAL         |
| ▲          | HVCTRL CONTROL HORIZ. & VERTICAL |
| ◇          | HYD HYDRANT                      |
| ○          | IP IRON PIN                      |
| ○          | IPIPE IRON PIPE                  |
| ⊕          | LI LIGHT - STREET OR YARD        |
| ⊕          | MB MAILBOX                       |
| ○          | MH MANHOLE (MH)                  |
| ▣          | MM MILE MARKER                   |
| ○          | PM PARKING METER                 |
| ▣          | PMK PROJECT MARKER               |
| ○          | POST POST STONE/WOOD             |
| ⊕          | RRSIG RAILROAD SIGNAL            |
| ⊕          | RRSL RAILROAD SWITCH LEVER       |
| ⊕          | S TREE SOFTWOOD                  |
| ⊕          | SAT SATELLITE DISH               |
| ⊕          | SHRUB SHRUB                      |
| ⊕          | SIGN SIGN                        |
| ⊕          | STUMP STUMP                      |
| ⊕          | TEL TELEPHONE POLE               |
| ○          | TIE TIE                          |
| ⊕          | TSIGN SIGN W/DOUBLE POST         |
| ⊕          | VCTRL CONTROL VERTICAL           |
| ○          | WELL WELL                        |
| ×          | WSO WATER SHUT OFF               |

THESE ARE COMMON VAOT SURVEY POINT SYMBOLS FOR EXISTING FEATURES, ALSO USED FOR PROPOSED FEATURES WITH HEAVIER LINEWEIGHT, IN COMBINATION WITH PROPOSED ANNOTATION.

**PROPOSED GEOMETRY CODES**

| CODE | DESCRIPTION             |
|------|-------------------------|
| PC   | POINT OF CURVATURE      |
| PI   | POINT OF INTERSECTION   |
| CC   | CENTER OF CURVE         |
| PT   | POINT OF TANGENCY       |
| PCC  | POINT OF COMPOUND CURVE |
| PRC  | POINT OF REVERSE CURVE  |
| POB  | POINT OF BEGINNING      |
| POE  | POINT OF ENDING         |
| STA  | STATION PREFIX          |
| AH   | AHEAD STATION SUFFIX    |
| BK   | BACK STATION SUFFIX     |
| D    | CURVE DEGREE OF (100FT) |
| R    | CURVE RADUIS OF         |
| T    | CURVE TANGENT LENGTH    |
| L    | CURVE LENGTH OF         |
| E    | CURVE EXTERNAL DISTANCE |

**UTILITY SYMBOLY**

**UNDERGROUND UTILITIES**

|          |                           |
|----------|---------------------------|
| — UGU —  | UTILITY (GENERIC-UNKNOWN) |
| — UT —   | TELEPHONE                 |
| — UE —   | ELECTRIC                  |
| — UC —   | CABLE (TV)                |
| — UEC —  | ELECTRIC+CABLE            |
| — UET —  | ELECTRIC+TELEPHONE        |
| — UCT —  | CABLE+TELEPHONE           |
| — UECT — | ELECTRIC+CABLE+TELEP.     |
| — G —    | GAS LINE                  |
| — W —    | WATER LINE                |
| — S —    | SANITARY SEWER (SEPTIC)   |

**ABOVE GROUND UTILITIES (AERIAL)**

|             |                           |
|-------------|---------------------------|
| — AGU —     | UTILITY (GENERIC-UNKNOWN) |
| — T —       | TELEPHONE                 |
| — E —       | ELECTRIC                  |
| — C —       | CABLE (TV)                |
| — EC —      | ELECTRIC+CABLE            |
| — ET —      | ELECTRIC+TELEPHONE        |
| — AER E&T — | ELECTRIC+TELEPHONE        |
| — CT —      | CABLE+TELEPHONE           |
| — ECT —     | ELECTRIC+CABLE+TELEP.     |
| —           | UTILITY POLE GUY WIRE     |

**PROJECT CONSTRUCTION SYMBOLY**

|                    |                       |
|--------------------|-----------------------|
| — — — — CZ — — — — | CLEAR ZONE            |
| — — — — — — — —    | PLAN LAYOUT MATCHLINE |

**PROJECT CONSTRUCTION FEATURES**

|                                 |                            |
|---------------------------------|----------------------------|
| ▲ — — — — ▲ — — — — ▲ — — — — ▲ | TOP OF CUT SLOPE           |
| ○ — — — — ○ — — — — ○ — — — — ○ | TOE OF FILL SLOPE          |
| ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕                   | STONE FILL                 |
| — — — — — — — —                 | BOTTOM OF DITCH            |
| — — — — — — — —                 | CULVERT PROPOSED           |
| — — — — — — — —                 | STRUCTURE SUBSURFACE       |
| PDF — — — — PDF — — — —         | PROJECT DEMARCATION FENCE  |
| BF — — — — BF — — — —           | BARRIER FENCE              |
| XXXXXXXXXXXXXXXXXXXX            | TREE PROTECTION ZONE (TPZ) |
| //// //// //// ////             | STRIPING LINE REMOVAL      |
| ~~~~ ~~~~ ~~~~ ~~~~             | SHEET PILES                |

**CONVENTIONAL BOUNDARY SYMBOLY**

**BOUNDARY LINES**

|   |  |
|---|--|
| — — — — — — — —   | TOWN BOUNDARY LINE                     |
| — — — — — — — —   | COUNTY BOUNDARY LINE                   |
| — — — — — — — —   | STATE BOUNDARY LINE                    |
| — — — — — — — —   | PROPOSED STATE R.O.W. (LIMITED ACCESS) |
| — — — — — — — —   | PROPOSED STATE R.O.W.                  |
| — — — — — — — —   | STATE ROW (LIMITED ACCESS)             |
| — — — — — — — —   | STATE ROW                              |
| — — — — — — — —   | TOWN ROW                               |
| — — — — — — — —   | PERMANENT EASEMENT LINE (P)            |
| — — — — — — — —   | TEMPORARY EASEMENT LINE (T)            |
| +   | SURVEY LINE                            |
| — P — — — — — — — — — — P — — — — —                         | PROPERTY LINE (P/L)                    |
| ▲ — — — — ○ — — — — ▲ — — — — ○ — — — — ▲ — — — — ○ — — — — | SLOPE RIGHTS                           |
| 6f — — — — — — — — — — 6f — — — — — — — — — —               | 6F PROPERTY BOUNDARY                   |
| 4f — — — — — — — — — — 4f — — — — — — — — — —               | 4F PROPERTY BOUNDARY                   |
| HAZ — — — — — — — — — — HAZ — — — — — — — — — —             | HAZARDOUS WASTE                        |

**EPSC LAYOUT PLAN SYMBOLY**

**EPSC MEASURES**

|                     |   |
|---------------------|---|
| ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ | FILTER CURTAIN                          |
| — — — — — — — —     | SILT FENCE                              |
| — — — — — — — —     | SILT FENCE WOVEN WIRE                   |
| — — — — — — — —     | CHECK DAM                               |
| ▣                   | DISTURBED AREAS REQUIRING RE-VEGETATION |
| ⊕                   | EROSION MATTING                         |

SEE EPSC DETAIL SHEETS FOR ADDITIONAL SYMBOLY

**ENVIRONMENTAL RESOURCES**

|                               |                                 |
|-------------------------------|---------------------------------|
| — — — — — — — —               | WETLAND BOUNDARY                |
| — — — — — — — —               | RIPARIAN BUFFER ZONE            |
| — — — — — — — —               | WETLAND BUFFER ZONE             |
| — — — — — — — —               | SOIL TYPE BOUNDARY              |
| — T&E — — — — — — — —         | THREATENED & ENDANGERED SPECIES |
| — HAZ — — — — — — — —         | HAZARDOUS WASTE AREA            |
| — AG — — — — — — — —          | AGRICULTURAL LAND               |
| — HABITAT — — — — — — — —     | FISH & WILDLIFE HABITAT         |
| — FLOOD PLAIN — — — — — — — — | FLOOD PLAIN                     |
| — OHW — — — — — — — —         | ORDINARY HIGH WATER (OHW)       |
| — — — — — — — —               | STORM WATER                     |
| — — — — — — — —               | USDA FOREST SERVICE LANDS       |
| — — — — — — — —               | WILDLIFE HABITAT SUIT/CONN      |

**ARCHEOLOGICAL & HISTORIC**

|                                 |                            |
|---------------------------------|----------------------------|
| — ARCH — — — — — — — —          | ARCHEOLOGICAL BOUNDARY     |
| — HISTORIC DIST — — — — — — — — | HISTORIC DISTRICT BOUNDARY |
| — HISTORIC — — — — — — — —      | HISTORIC AREA              |
| ⊕                               | HISTORIC STRUCTURE         |

**CONVENTIONAL TOPOGRAPHIC SYMBOLY**

**EXISTING FEATURES**

|                 |                    |
|-----------------|--------------------|
| — — — — — — — — | ROAD EDGE PAVEMENT |
| — — — — — — — — | ROAD EDGE GRAVEL   |
| — — — — — — — — | DRIVEWAY EDGE      |
| — — — — — — — — | DITCH              |
| — — — — — — — — | FOUNDATION         |
| — — — — — — — — | FENCE (EXISTING)   |
| — — — — — — — — | FENCE WOOD POST    |
| — — — — — — — — | FENCE STEEL POST   |
| — — — — — — — — | GARDEN             |
| — — — — — — — — | ROAD GUARDRAIL     |
| — — — — — — — — | RAILROAD TRACKS    |
| — — — — — — — — | CULVERT (EXISTING) |
| — — — — — — — — | STONE WALL         |
| — — — — — — — — | WALL               |
| — — — — — — — — | WOOD LINE          |
| — — — — — — — — | BRUSH LINE         |
| — — — — — — — — | HEDGE              |
| — — — — — — — — | BODY OF WATER EDGE |
| — — — — — — — — | LEDGE EXPOSED      |

PROJECT NAME: LUDLOW  
PROJECT NUMBER: HES SGNL(44)

FILE NAME: t13b020frm.dgn PLOT DATE: 4/19/2017  
PROJECT LEADER: P. COBURN DRAWN BY: M. BOGACZYK  
DESIGNED BY: M. BOGACZYK CHECKED BY: P. COBURN  
CONVENTIONAL SYMBOLY LEGEND SHEET SHEET 3 OF 43