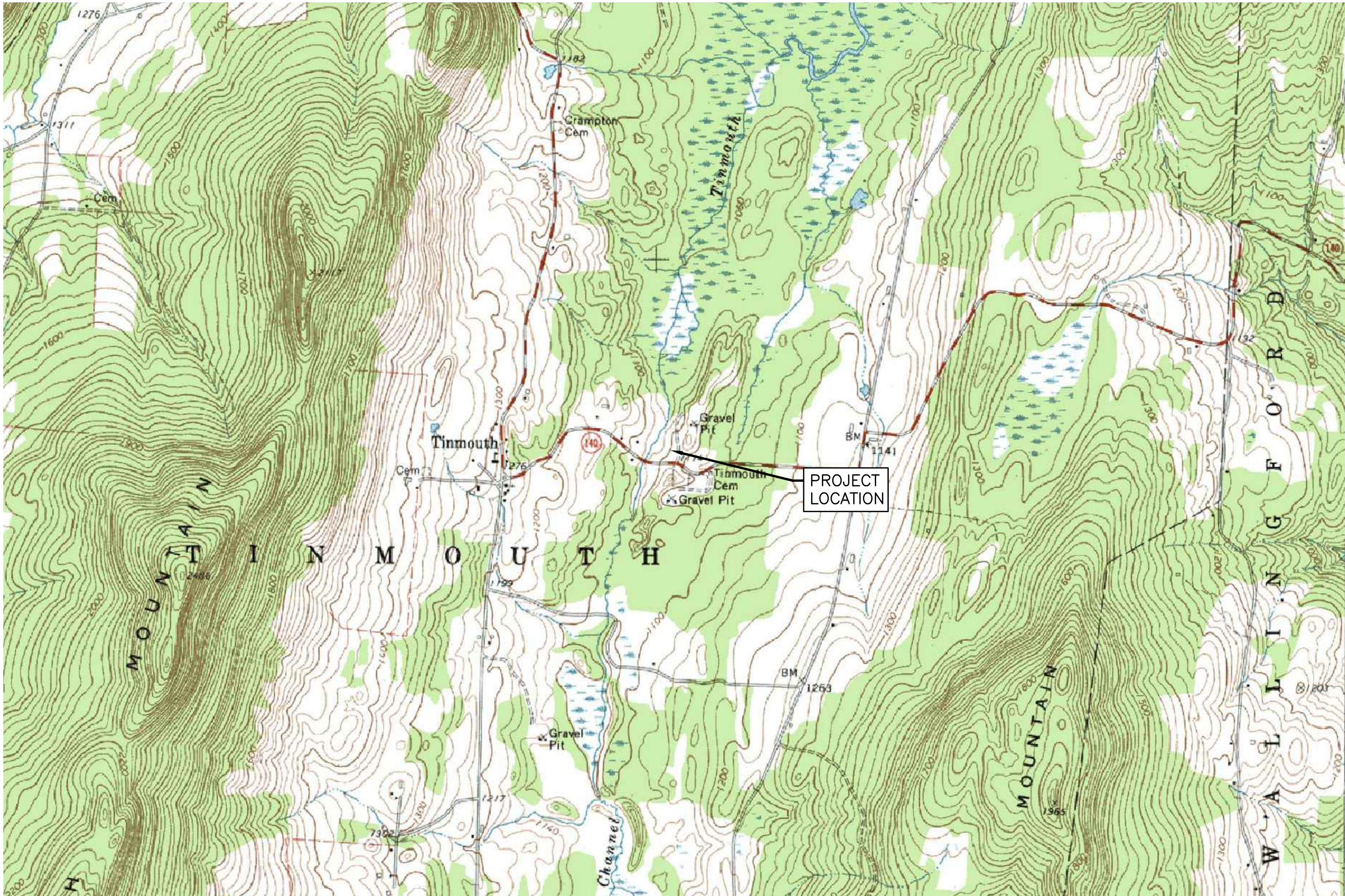




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DRAWING INDEX:

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SHEET TITLE

TITLE SHEET

PERMIT PLANS

DRAWN BY JWP	DATE NOV. 2024
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PROJ. ENG. LJH	D&K ARCHIVE #

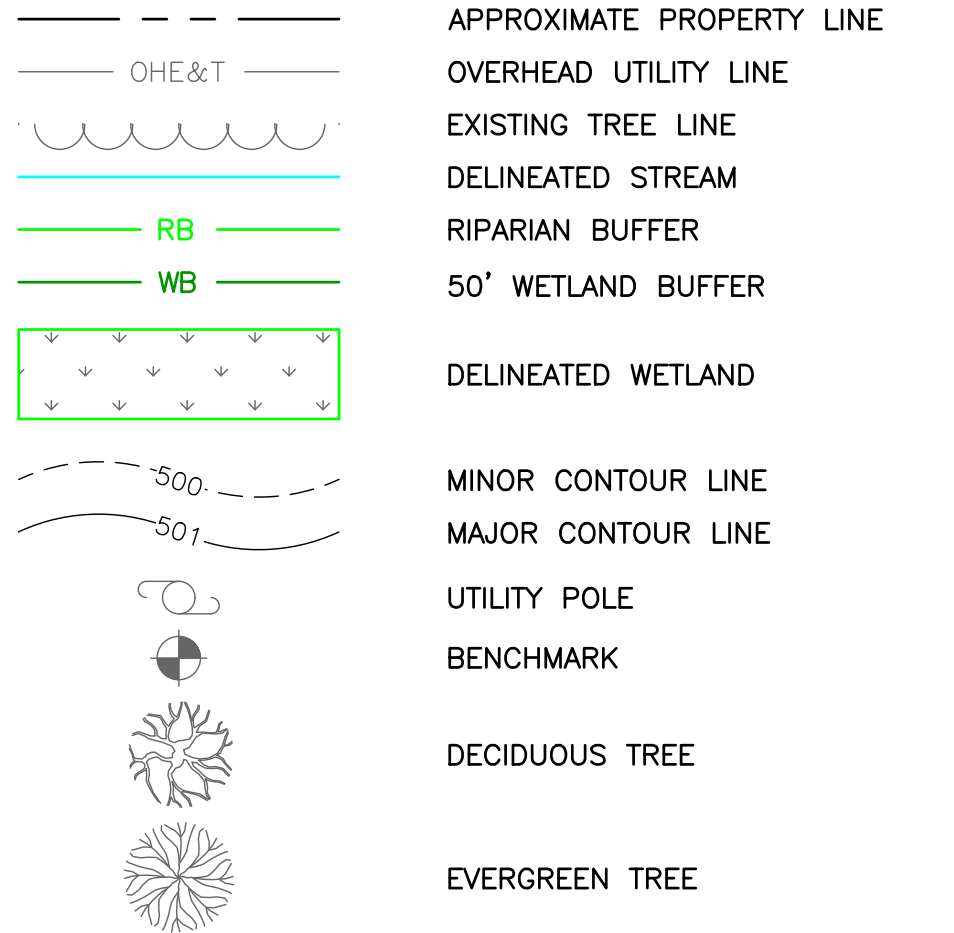
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T-1

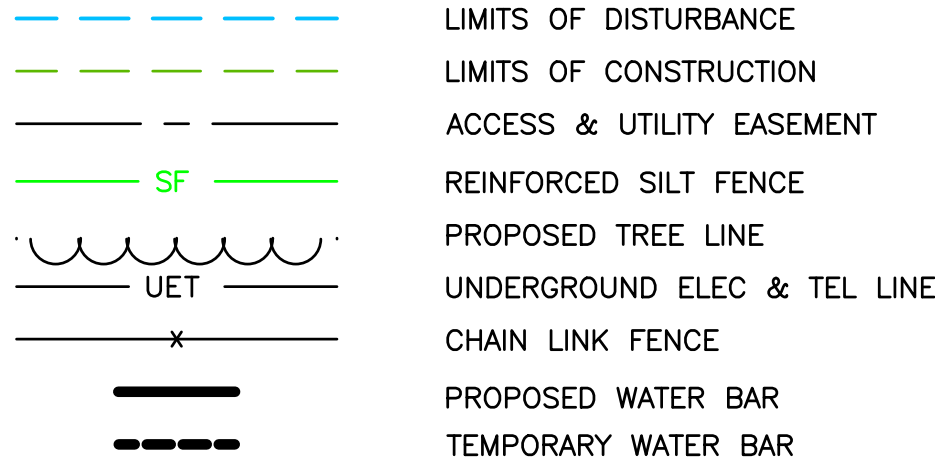
PROJECT DESCRIPTION:

1. TYPE OF PROJECT: TELECOMMUNICATION FACILITY
2. DESCRIPTION OF MAJOR PROJECT COMPONENTS: UNMANNED 80'x80' TELECOMMUNICATIONS COMPOUND TO BE CONSTRUCTED ON A 32.35 ACRE PARCEL. THE PARCEL CONTAINS AN EXISTING GRAVEL PIT. THE COMPOUND LOCATION IS SITED IN AN UNDEVELOPED WOODED AREA, TO THE WEST OF THE GRAVEL PIT. ACCESS TO THE COMPOUND STARTS AT THE EXISTING ENTRANCE TO THE PARCEL, RUNS NORTH TO THE COMPOUND SITE. PROPOSED UNDERGROUND UTILITIES WILL CONNECT TO THE EXISTING UTILITY POLE NEXT TO THE EXISTING ENTRANCE. TREE CLEARING WILL BE MINIMIZED TO THE MINIMUM AREA NECESSARY FOR SITE IMPROVEMENTS AND CONSTRUCTION VEHICLE ACCESS. FOLLOWING CONSTRUCTIONS ALL DISTURBED AREAS OUTSIDE THE ACCESS AND COMPOUND WILL BE SEEDED AND MULCHED AND ALLOWED TO NATURALLY REVEGETATE.
3. POSTED SPEED LIMIT: N/A
4. TOTAL ACREAGE OF TEMPORARY EARTH DISTURBANCE: 16,309 S.F. (0.37 ACRES)
 - 4.1. STORMWATER CONSTRUCTION GENERAL PERMIT REQUIRED: NO
5. TOTAL ACREAGE OF TREE CLEARING: 19,902 S.F. (0.46 ACRES)
6. TOTAL AREA OF PERMANENT EARTH DISTURBANCE: 9,285 S.F. (0.21 ACRES)
7. IMPERVIOUS AREA
 - 7.1. EXISTING = 13,564 S.F. (0.31 ACRES)
 - 7.2. PROPOSED = 6,400 S.F. (0.15 ACRES)
 - 7.3. TOTAL = 19,964 S.F. (0.46 ACRES)
 - 7.4. STORMWATER OPERATIONAL PERMIT REQUIRED: NO
8. SEQUENCE OF MAJOR PROJECT COMPONENTS:
 - 8.1. DEMARCAT E LIMITS OF CONSTRUCTION
 - 8.2. INSTALL CONSTRUCTION ENTRANCE
 - 8.3. TREE CLEARING
 - 8.4. INSTALL EPSC MEASURES
 - 8.5. ESTABLISH ROUGH ACCESS ROAD
 - 8.6. POUR TOWER FOUNDATION
 - 8.7. INSTALL UNDERGROUND ELECTRIC/TELCO & ACCESS ROAD GRADING
 - 8.8. FINISH COMPOUND CONSTRUCTION INCLUDING TOWER ERECTION
 - 8.9. SITE STABILIZATION, SURFACE TREATMENT, RE-SEEDING
9. PROPOSED POLLUTION PREVENTION STRATEGIES: CONTRACTOR TO ENSURE THAT THE SITE REMAINS CLEAN AND ALL DEBRIS AND UNUSED MATERIALS ARE REMOVED AT THE END OF EACH DAY.
10. MAXIMUM CONCURRENT EARTH DISTURBANCE: THE PROJECT WILL BE LIMITED TO ONE ACRE OR LESS OF EARTH DISTURBANCE AT ANY ONE TIME.
11. USE OF VEGETATED BUFFERS: THE PROJECT WILL NOT HAVE STORMWATER DISCHARGES FROM THE CONSTRUCTION SITE TO WETLANDS AND DRAINAGE CHANNELS FROM THE ACCESS ROAD THAT DO NOT FIRST FILTER THROUGH A 50 FT. VEGETATED BUFFER. THE ACCESS ROAD AND COMPOUND WILL BE GRADED TO PROVIDE A MILD CROSS-SLOPE TO DIRECT RUNOFF TO THE UNDISTURBED VEGETATED FOREST ADJACENT TO THE ROAD.
12. NAME OF RECEIVING WATERS: UNNAMED TRIBUTARY TO TINMOUTH CHANNEL.
13. NUMBER OF PROPOSED STREAM CROSSINGS: 0
 - 13.1. STREAM ALTERATION PERMIT REQUIRED: NO
14. WETLAND IMPACTS:
 - 14.1. AREA OF WETLANDS IMPACTED BY PROPOSED ACTIVITIES: 0 S.F. (0.00 ACRES)
 - 14.2. AREA OF WETLAND BUFFERS IMPACTED BY PROPOSED ACTIVITIES: 0 S.F. (0.00 ACRES)
 - 14.3. STATE WETLANDS PERMIT REQUIRED: NO
 - 14.4. ARMY CORPS OF ENGINEERS PERMIT REQUIRED: NO
15. RIVER AND STREAM IMPACTS: NONE
 - 15.1. LOCATED IN A FLOOD HAZARD AREA: NO
 - 15.2. LOCATED IN A RIVER CORRIDOR: NO
 - 15.3. LOCATED IN A RIPARIAN BUFFER: NO
16. RARE, THREATENED, OR ENDANGERED SPECIES IMPACTS: ANEMONE CYLINDRICA, PILEA FONTANA, AND RED MAPLE TAMARACK WERE LOCATED ON THE PROPERTY. PROJECT LIMITS HAVE BEEN SITED TO AVOID DISTURBANCE TO THESE AREAS.
17. SIGNIFICANT NATURAL COMMUNITY: NO IDENTIFIED CONCERNS
18. WATER SUPPLY SOURCE PROTECTION AREA IMPACTS: NONE
19. NATURAL RESOURCES HABITAT IMPACTS:
 - 19.1. DEER WINTERING AREA: DWA ID: DWA1248
 - 19.2. BEAR HABITAT AREA: NO IDENTIFIED CONCERNS
 - 19.3. SONG BIRD HABITAT: NO IDENTIFIED CONCERNS
 - 19.4. BAT HABITAT AREA: ONE 30" SUGAR MAPLE JUST INSIDE THE PROPOSED GATES, AND ONE 32" SUGAR MAPLE 15 FEET SOUTH OF THE PROPOSED COMPOUND. TREE CLEARING WILL BE LIMITED TO THE WINTER SEASON FROM NOVEMBER 15 TO APRIL 15.
 - 19.5. HABITAT BLOCK: FINAL 8, THREAT 9
 - 19.6. BIOFINDER: HIGHEST PRIORITY: CONNECTIVITY BLOCKS
20. LOCAL ZONING – TOWN OF TINMOUTH
 - 20.1. ZONING DISTRICT: PROTECTION
 - 20.2. OVERLAY DISTRICT:
21. PROPERTY LINE INFORMATION PROVIDED BY THE TOWN OF TINMOUTH TAX MAPS. DUBOIS & KING, INC. DID NOT PERFORM A BOUNDARY SURVEY.
22. TOPOGRAPHIC SURVEY PERFORMED BY DUBOIS & KING, INC. ON SEPTEMBER 5, 2024.
23. THE PROJECT WILL COMPLY WITH THE LOW RISK HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL BY THE VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION, 2020 EDITION.
24. ELEVATIONS FROM GPS OBSERVATIONS.
25. WETLANDS DELINEATION AND HABITAT REVIEW PERFORMED BY DUBOIS & KING, INC. ON AUGUST 30, 2024 AND SEPTEMBER 3, 2024.

EXISTING FEATURES LEGEND



PROPOSED FEATURES LEGEND

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SHEET TITLE

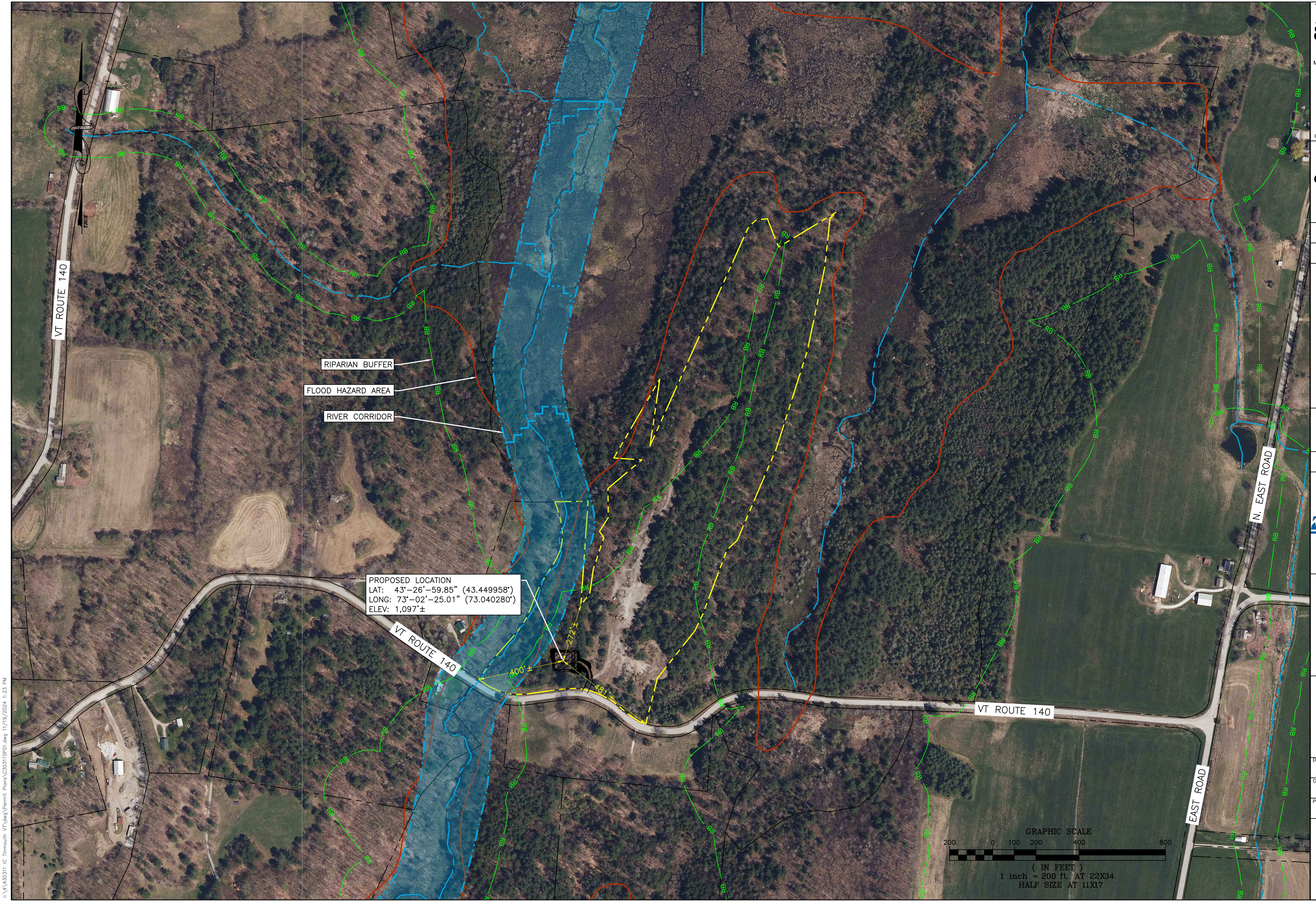
ORTHOPHOTO
PLAN

PERMIT PLANS

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C-2



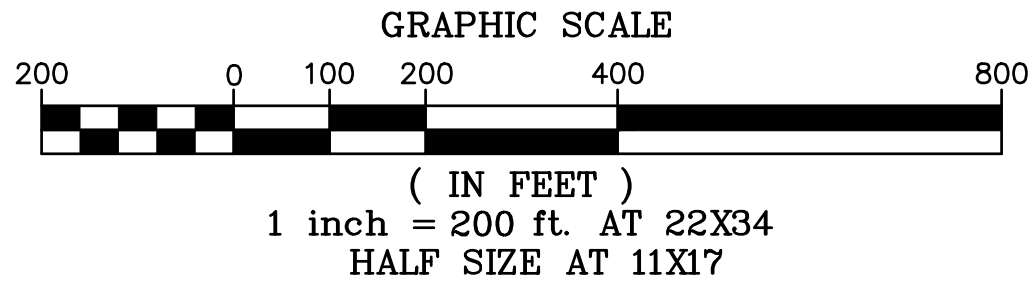
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SITE PLAN

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SHEET NUMBER	
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C-3





- A. PARCEL #: CHANNEL 1.000
N/F VERMONT FISH & WILDLIFE
103 SOUTH MAIN STREET 10 SOUTH
WATERBURY, VT 05676-9911
- B. PARCEL #: 01400429.000
N/F TINMOUTH CEMETERY ASSOCIATION
C/O GLENN MERRILL
78 MERRILL SPRING ROAD
TINMOUTH, VT 05773
- C. PARCEL #: CHANNEL 3.000
N/F VERMONT FISH & WILDLIFE
103 SOUTH MAIN STREET 10 SOUTH
WATERBURY, VT 05676-9911
- D. PARCEL #: 01400455.000
N/F ZACHARY BLANCHARD
352 VT ROUTE 100 S
LUDLOW, VT 05149
- E. PARCEL #: 01400456.000
N/F NELSON & BEATRICE JAQUAY
456 VT ROUTE 140
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SHEET TITLE

ABUTTER
PLAN

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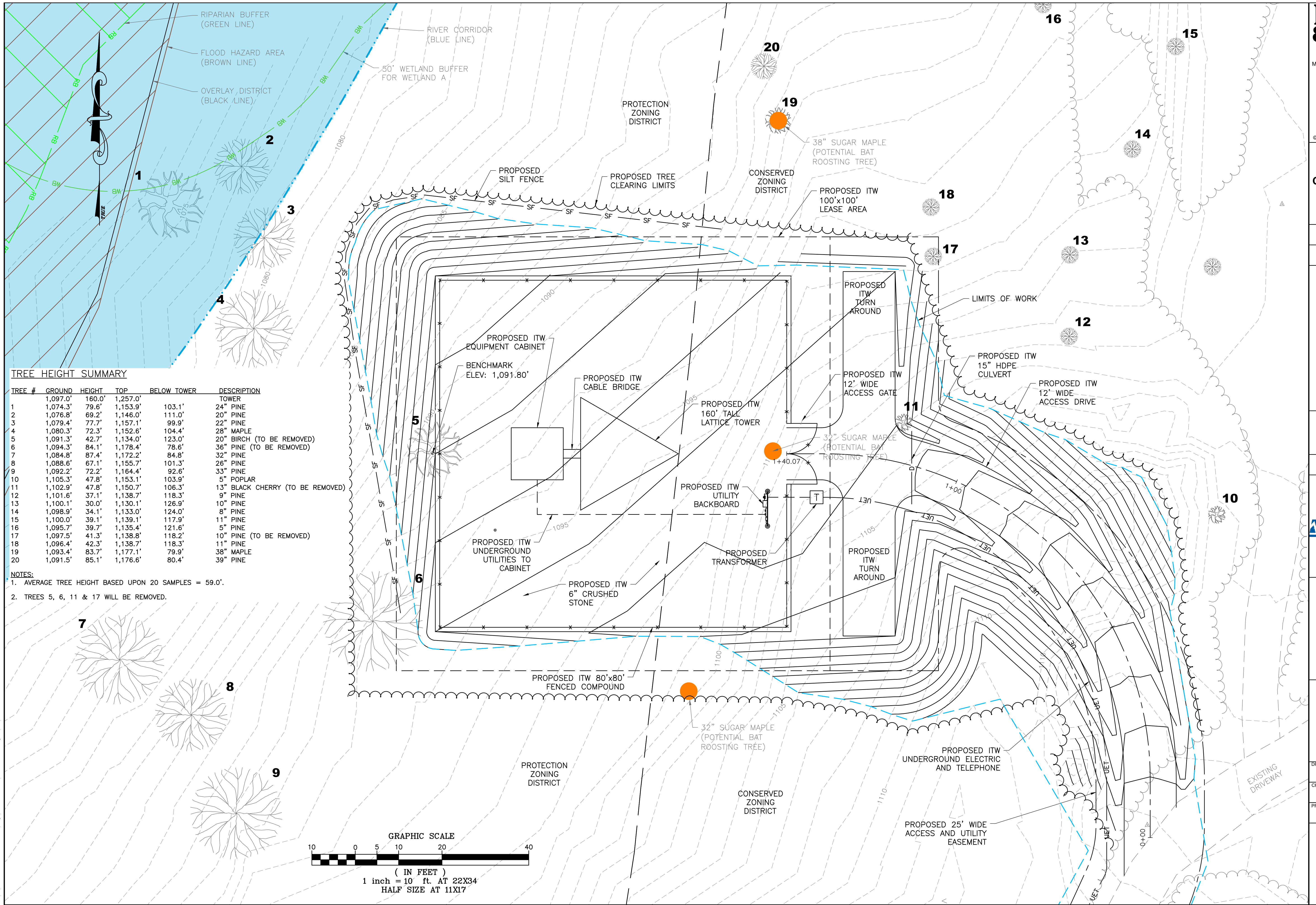
DETAIL ITE PLAN

PERMIT PLANS

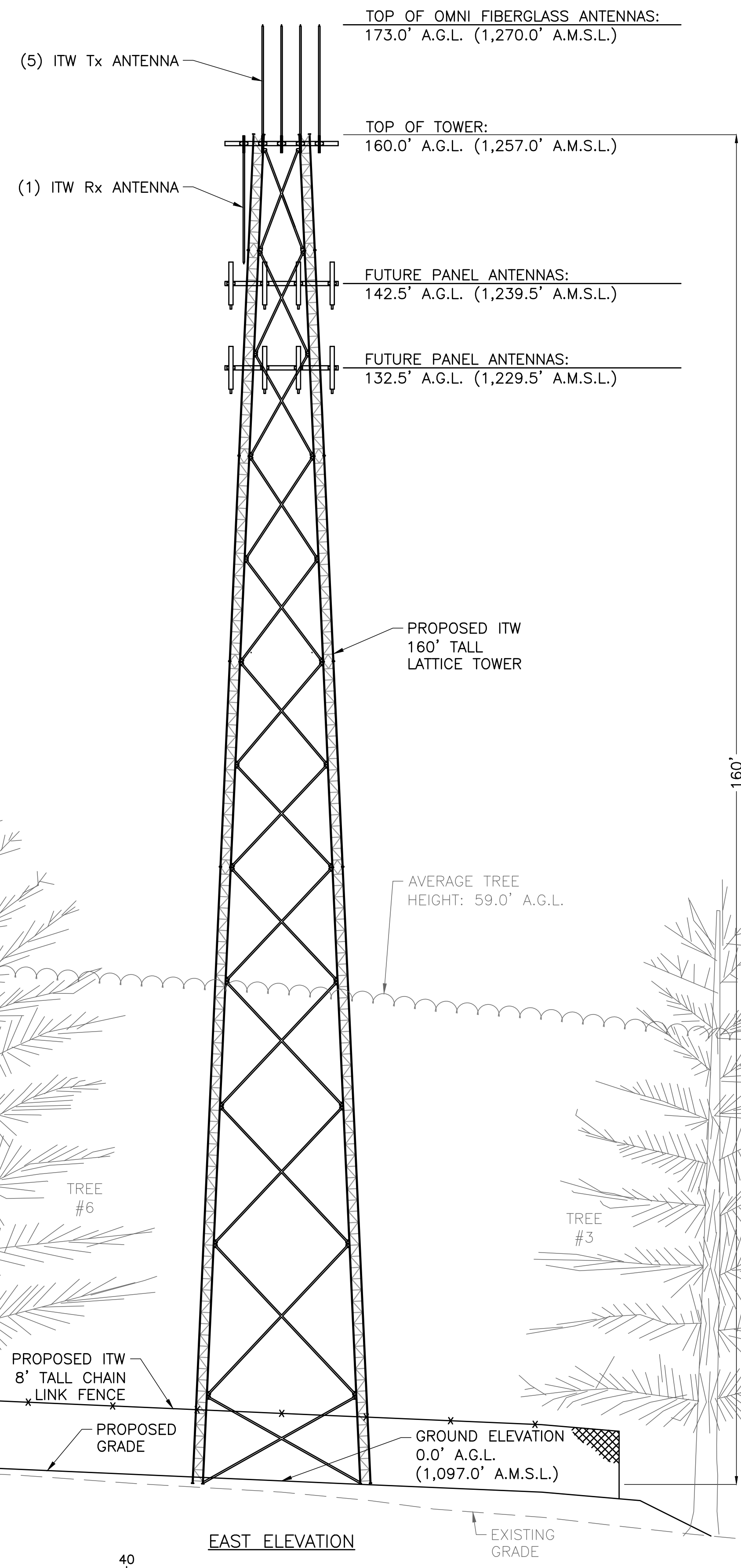
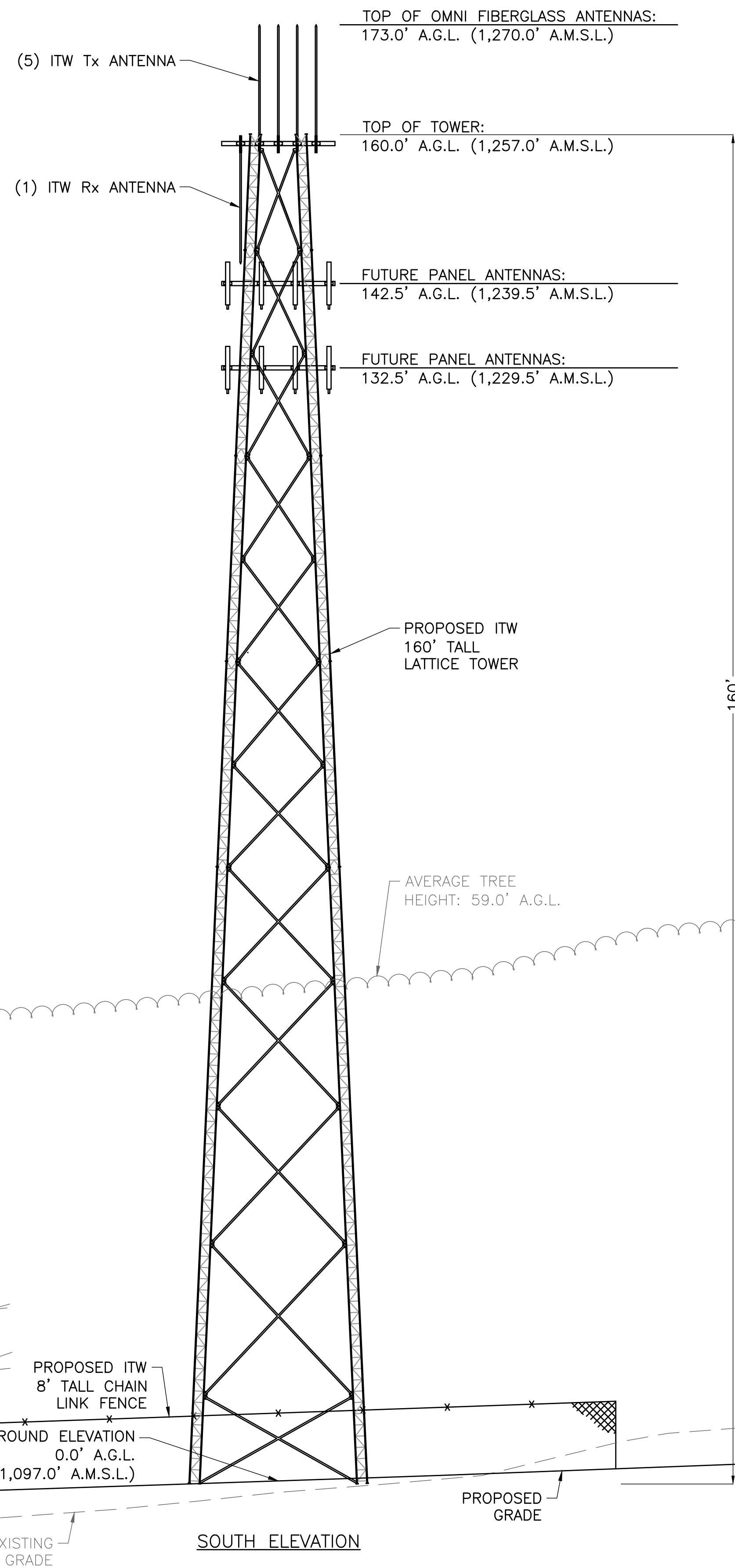
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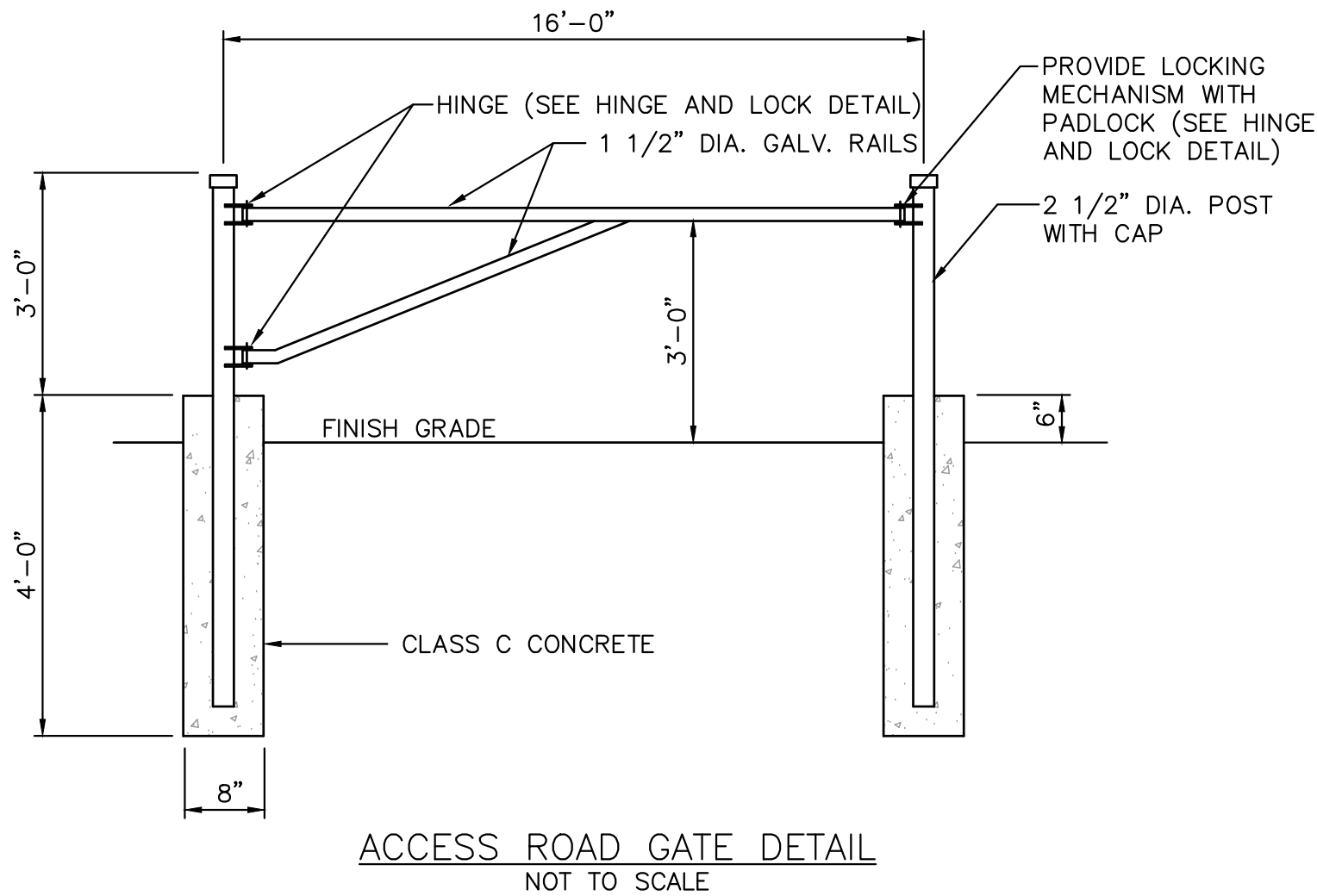
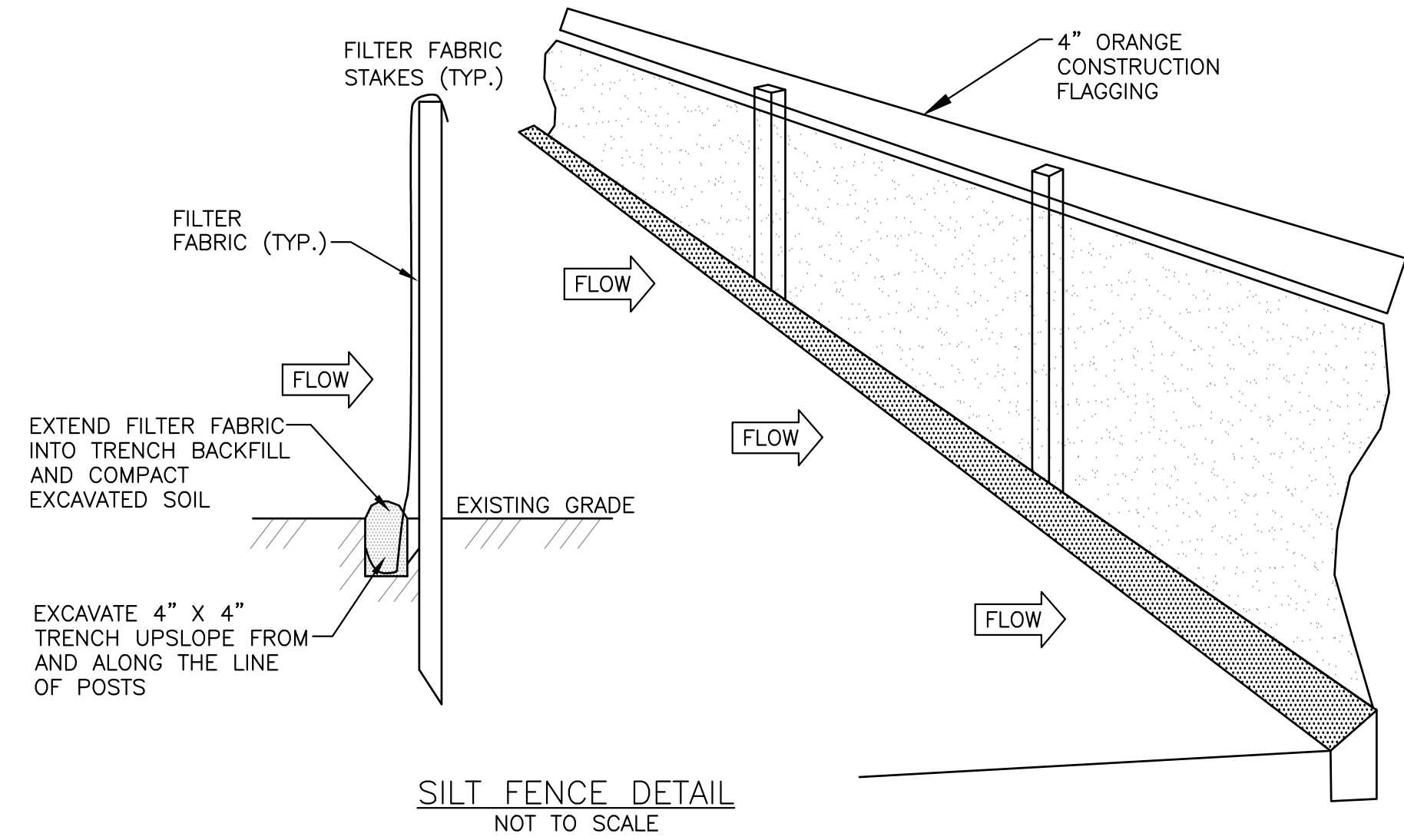
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C-6

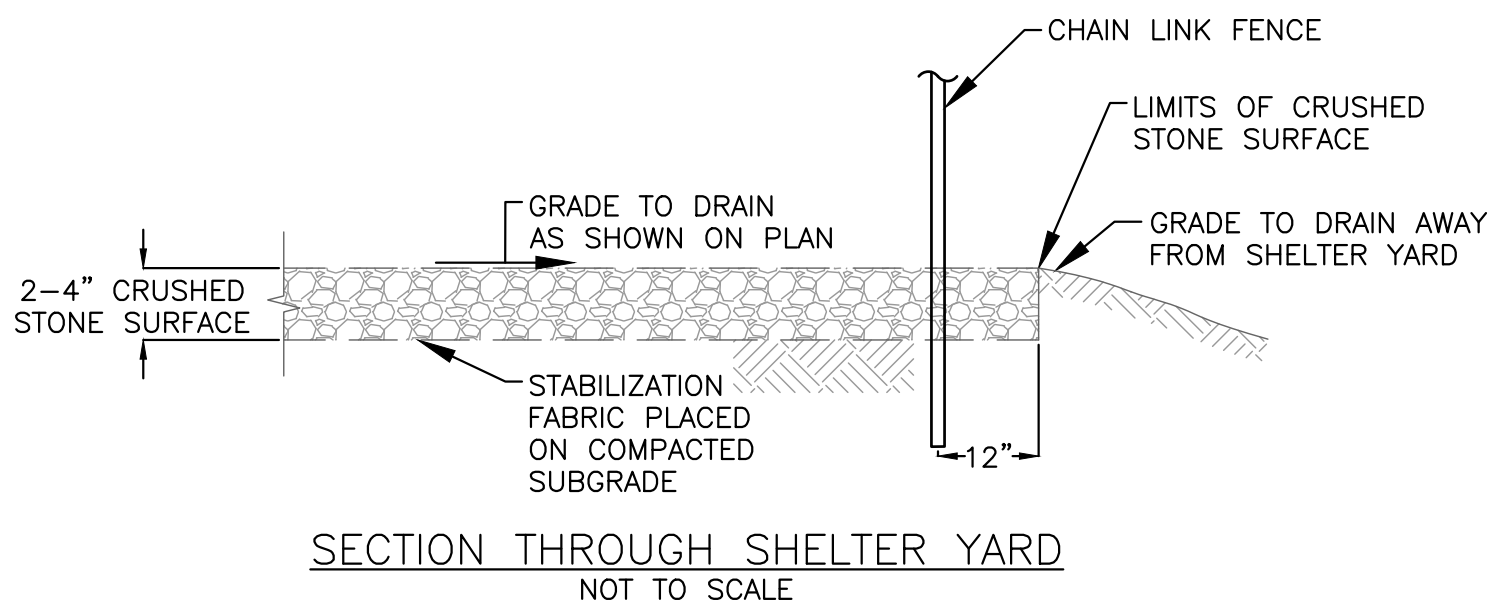
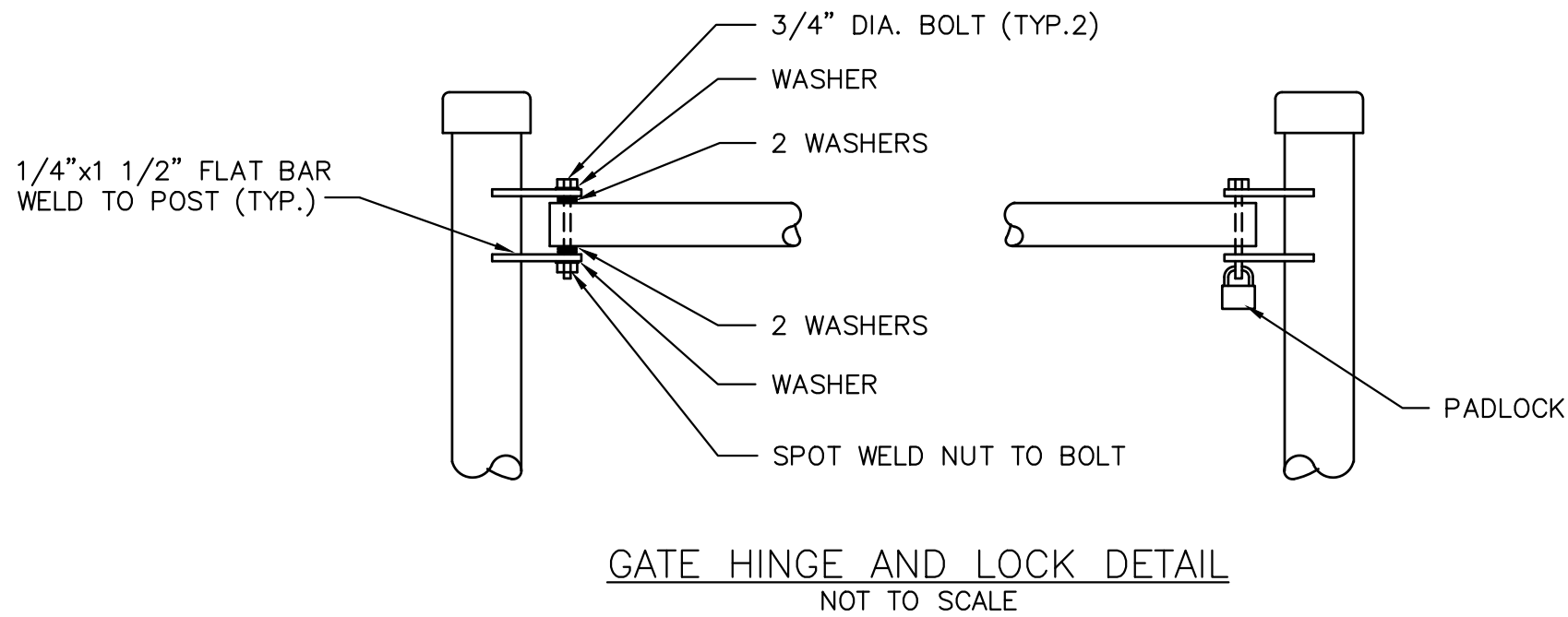


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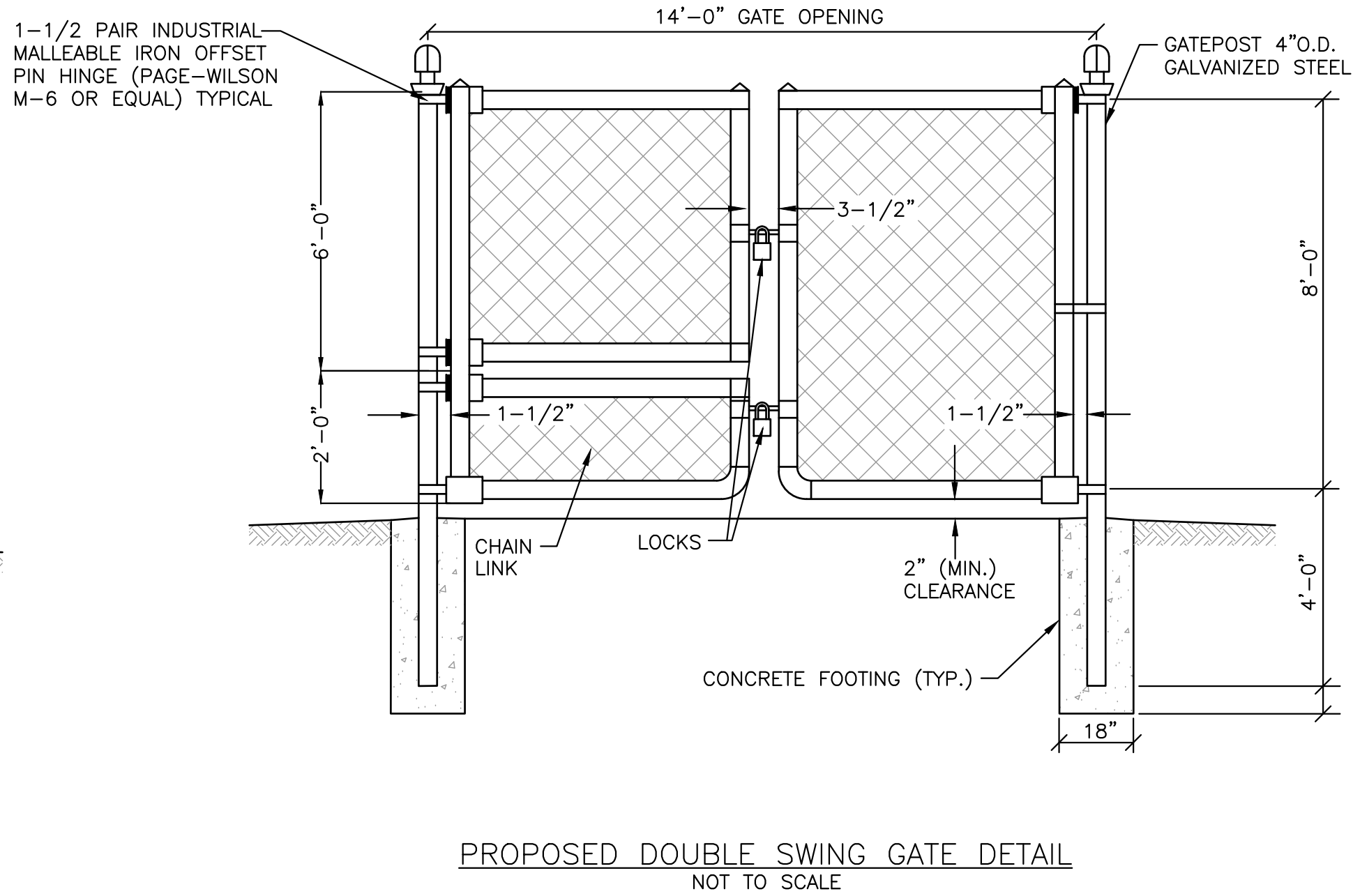
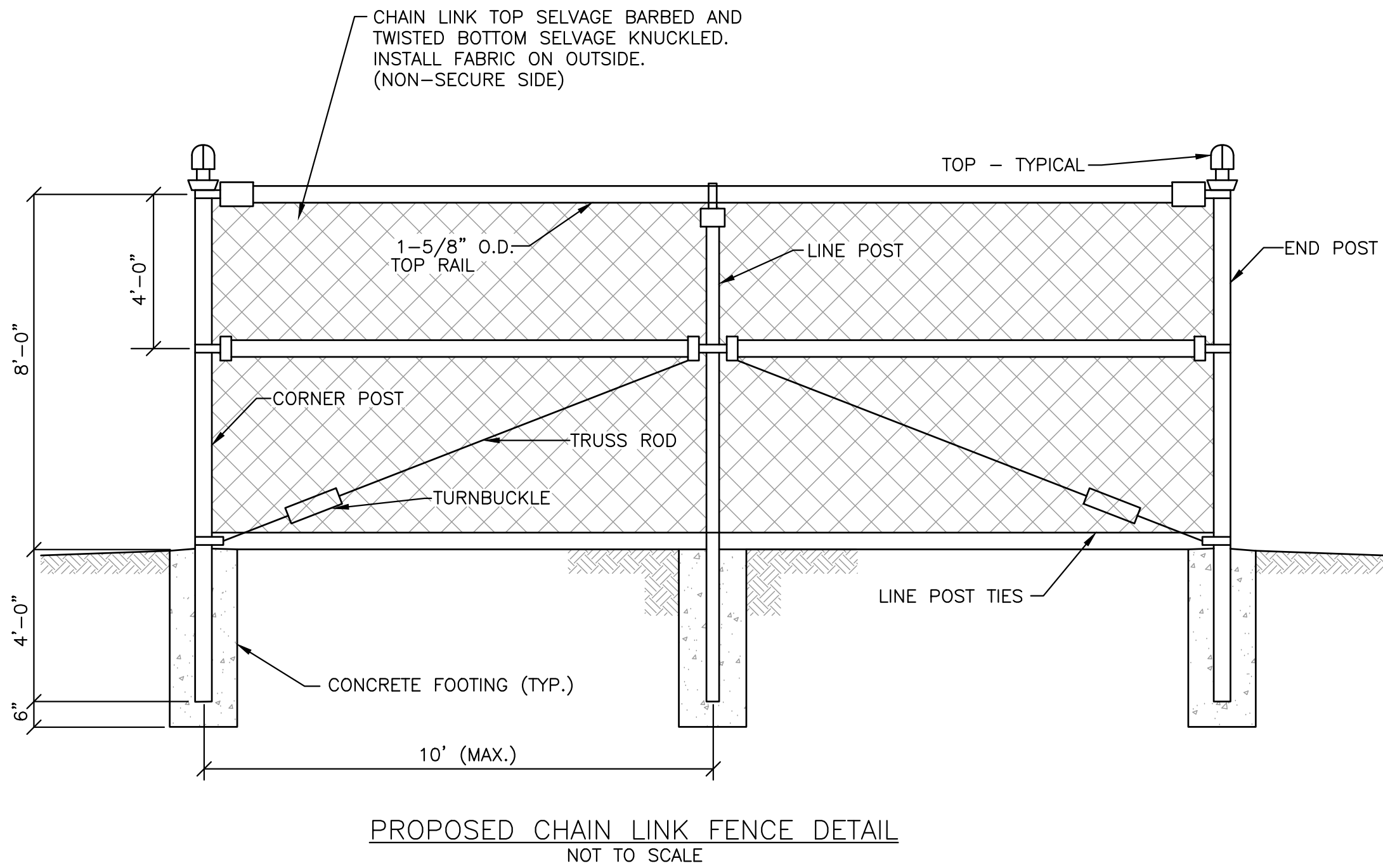




NOTES:
1. SEED AND MULCH ALL EXPOSED SOILS AS SOON AS FEASIBLE.
2. CONTRACTOR TO FOLLOW STATE OF VERMONT LOW RISK HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL.



NOTE:
REMOVE TOPSOIL FOR THE PLACEMENT OF YARD STONE AND STOCKPILE ON SITE. BLEND TOPSOIL INTO NEW GRADE IMMEDIATELY SURROUNDING THE FENCED-IN AREA, AND INSURE THAT IT REMAINS WITHIN THE TOP LAYER OF SOIL STRATA.



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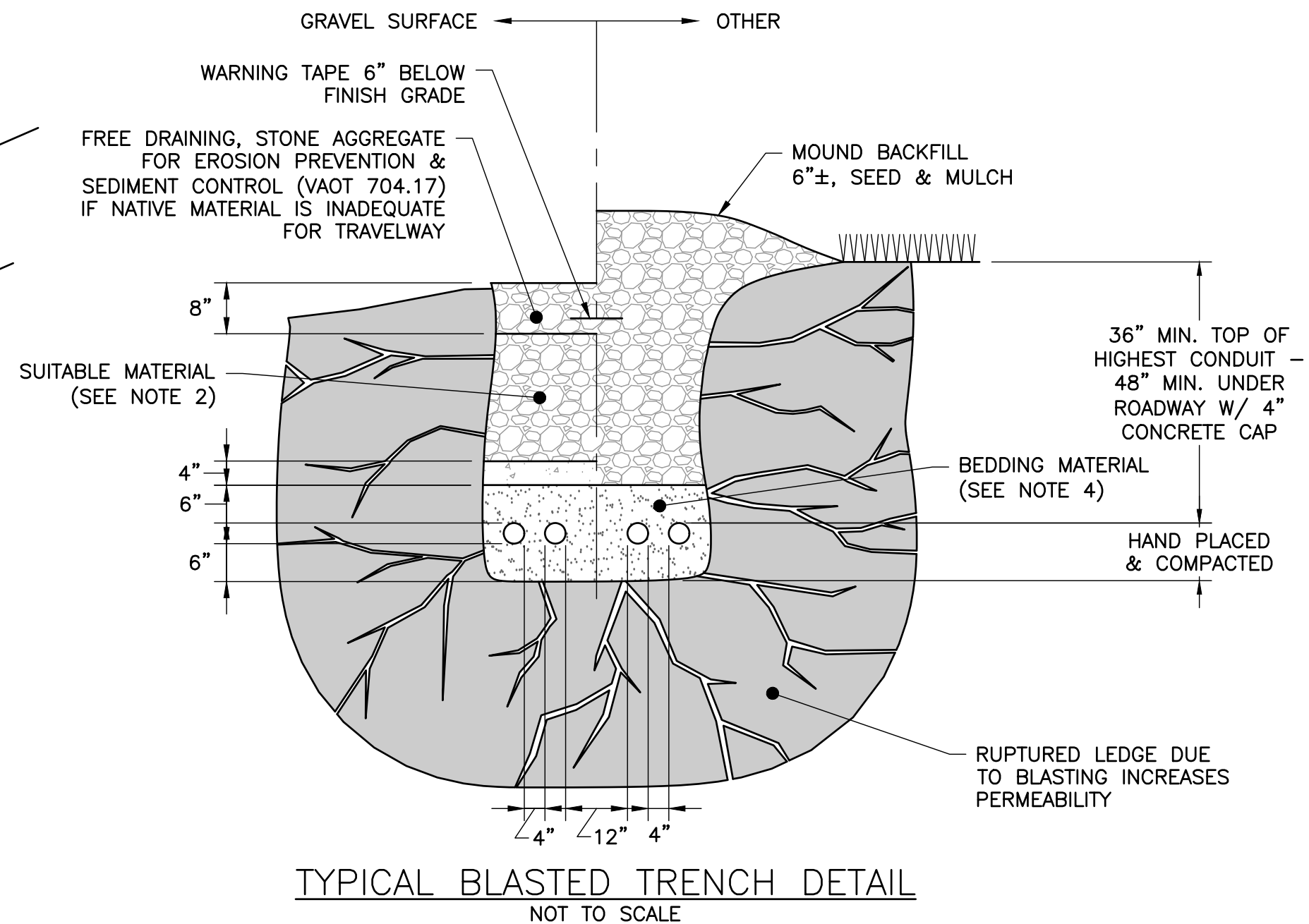
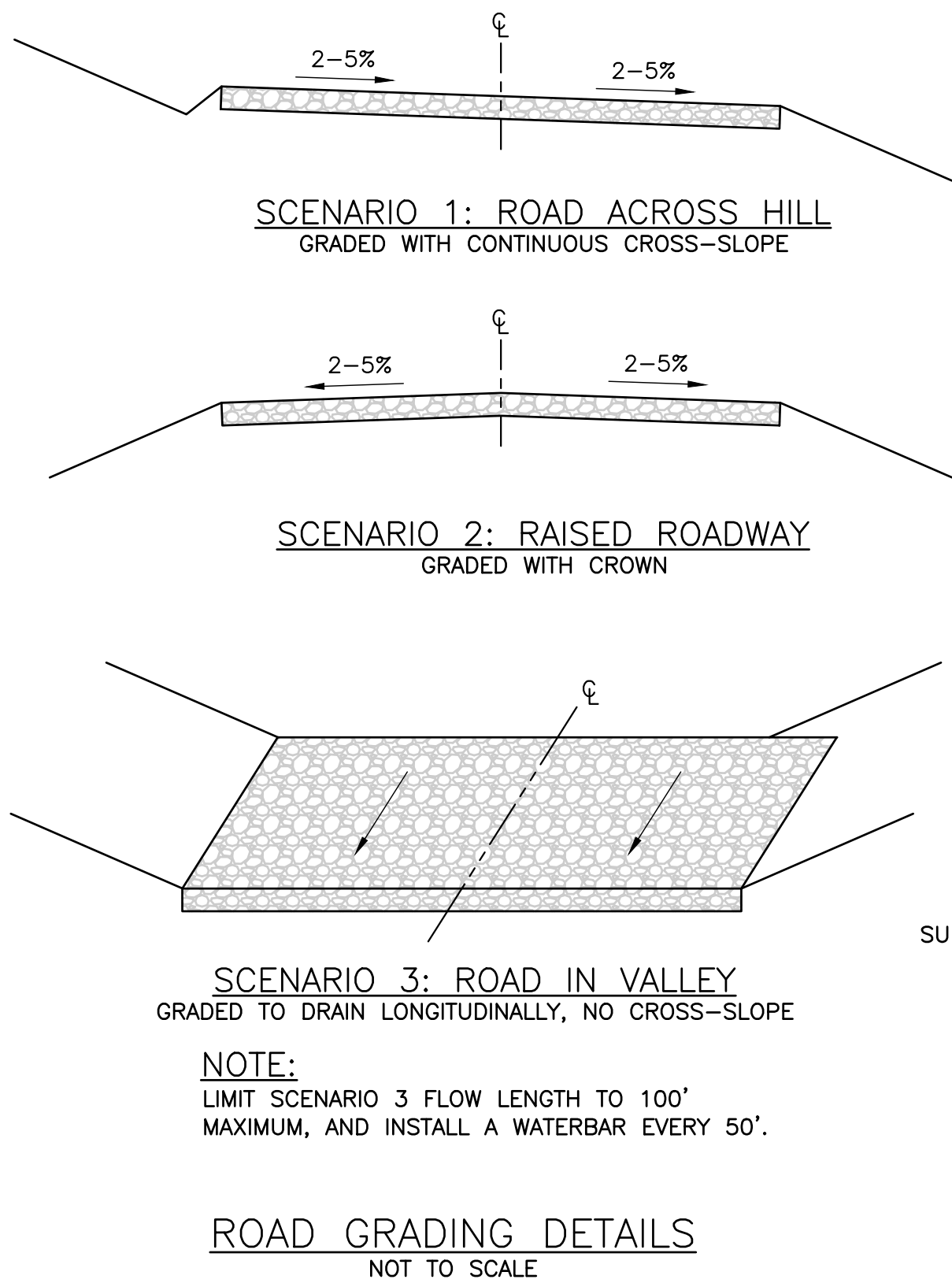
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CIVIL DETAILS

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1. ACCESS ROAD TO FOLLOW EXISTING PATHS WHENEVER FEASIBLE.
2. TREE CLEARING SHALL BE LIMITED TO THE MINIMUM REQUIRED TO PERMIT CONSTRUCTION VEHICLE ACCESS. SEE PLAN FOR CLEARING LIMITS. STUMPS OUTSIDE THE ACCESS, UTILITY TRENCH, OR FILL LIMITS SHALL BE LEFT IN PLACE.
3. CONSTRUCTION STANDARDS SHALL MEET OR EXCEED THOSE OUTLINED IN "THE ACCEPTABLE MANAGEMENT PRACTICES FOR MAINTAINING WATER QUALITY ON LOGGING JOBS IN VERMONT" HANDBOOK.
4. UTILITY TRENCH LOCATION SHOWN AS TYPICAL. REFER TO SITE PLAN FOR UTILITY PLACEMENT.
5. STABILIZE ALL EXPOSED SOILS IN CONFORMANCE WITH THE LOW RISK HANDBOOK OR STORMWATER CONSTRUCTION GENERAL PERMIT. AT A MINIMUM ALL SOILS SHALL BE STABILIZED WITHIN 14 DAYS.
6. CONTRACTOR TO FOLLOW STATE OF VERMONT LOW RISK HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL. SEE EPSC LOW RISK HANDBOOK.
7. REMOVE UNSUITABLE SUBGRADE MATERIAL AND REPLACE WITH CRUSHED STONE AGGREGATE OR NATIVE MATERIAL AND SLOPE TO PROVIDE STABLE WORKING SURFACE.
8. CUT/FILL SLOPES TO BE RE-SEEDED AND STABILIZED WITH MULCH, EROSION CONTROL MATTING, STONE RIPRAP, AND/OR WOOD CHIPS ONCE FINAL GRADE HAS BEEN ESTABLISHED.
9. ACCESS ROAD TO BE GRADED WITH A MINIMUM OF 2% CROSS-SLOPE.
10. RE-VEGETATED SLOPES EXCEEDING 3H:1V UPON RESTORATION TO BE MATTED WITH JUTE MAT EROSION CONTROL BLANKETS, NORTH AMERICAN GREEN S150BN, OR APPROVED EQUIVALENT.
11. INSTALL EROSION CONTROLS IN ACCORDANCE WITH THE SITE PLANS AND PROJECT PERMITS. ADDITIONAL EROSION CONTROLS MAY BE REQUIRED AS DIRECTED BY THE PROJECT ENVIRONMENTAL COMPLIANCE INSPECTOR OR THE ON-SITE PLAN COORDINATOR.
12. INSTALL PERMANENT WATER BARS IN ACCORDANCE WITH TYPICAL DETAIL.
13. MINIMALLY COMPACT EXISTING SUBGRADE MATERIAL AS NECESSARY TO CREATE A STABLE WORKING SURFACE FOR CONSTRUCTION ACCESS, WITHOUT OVER-COMPACTING AND CREATING AN IMPERVIOUS SURFACE. FOLLOWING HEAVY CONSTRUCTION TRAFFIC, TILL OR BACK BLADE THE ACCESS ROAD SUBGRADE PRIOR TO SURFACE COURSE PLACEMENT TO PROMOTE INFILTRATION.

1. WHERE BACKFILL IS DESIGNATED "COMPACTED", THIS MEANS 90% TO 95% STANDARD PROCTOR, AASHTO T-99. ALL FILL PLACED BELOW PIPES MUST MEET THIS REQUIREMENT.
2. SUITABLE MATERIAL SHALL CONTAIN NO STONES GREATER THAN 4" IN DIAMETER, NO FROZEN LUMPS, AND ONLY MINOR AMOUNTS OF CLAY OR ORGANIC MATERIAL. ALL MATERIAL TO BE PLACED IN MAXIMUM OF 12" LIFTS AND COMPACTED TO THE SAME LEVEL AS SURROUNDING EXISTING SUBGRADE BEFORE PLACING NEXT LIFT.
3. SEE ELECTRICAL PLANS FOR QUANTITY OF CONDUITS.
4. BEDDING MATERIAL MAY BE CRUSHED STONE, SAND, OR NATIVE MATERIAL FREE FROM ORGANICS AND STONES LARGE ENOUGH TO DAMAGE THE PIPE.

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SHEET TITLE	
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