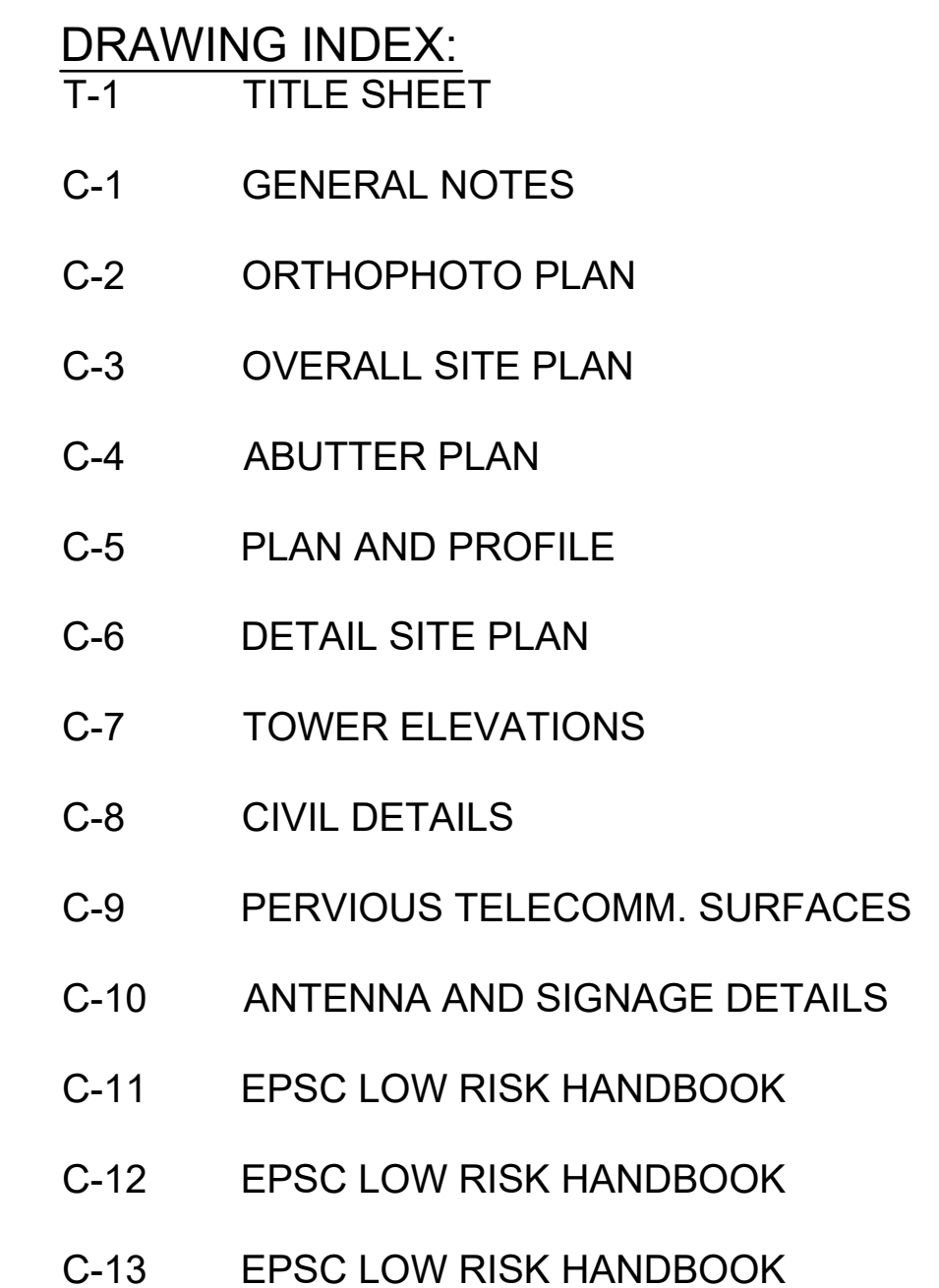




TINMOUTH, VT



DuBois & King Inc.									
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6 GREEN TREE DRIVE SO. BURLINGTON, VT 05403									
TEL.: (802) 878-7661 FAX: (866) 783-7101									
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						LJH	LJH	LK/D	
						JWP	JWP	BY	
						REVISED COMPOUND CONFIGURATION	ISSUED FOR PERMITTING	DESCRIPTION	
						4-04-2025	11-19-2024	DATE	
						2	1	NO.	
 Industrial Tower and Wireless									
ITW TINMOUTH									
402 VT ROUTE 140 TINMOUTH, VT 05773									
SHEET TITLE									
TITLE SHEET									
PERMIT PLANS									
DRAWN BY JWP					DATE NOV. 2024				
CHECKED BY LJH					D&K PROJECT # 430311L				
PROJ. ENG. LJH					D&K ARCHIVE #				
SHEET NUMBER									
T-1									

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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: 14,387 S.F. (0.33 ACRES)

4.1. STORMWATER CONSTRUCTION GENERAL PERMIT REQUIRED: NO
5. TOTAL ACREAGE OF TREE CLEARING: 17,719 S.F. (0.36 ACRES)
6. TOTAL AREA OF PERMANENT EARTH DISTURBANCE: 8,888 S.F. (0.20 ACRES)
7. IMPERVIOUS AREA

7.1. EXISTING = 0 S.F. (0.00 ACRES)

7.2. PROPOSED = 6,724 S.F. (0.15 ACRES)

7.3. TOTAL = 6,724 S.F. (0.15 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

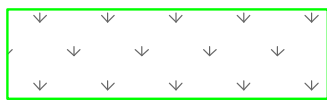
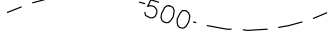
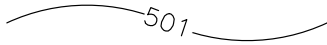
19.6. BIOFINDER: HIGHEST PRIORITY: CONNECTIVITY BLOCKS
20. LOCAL ZONING – TOWN OF TINMOUTH

20.1. ZONING DISTRICT: CONSERVED ZONING DISTRICT

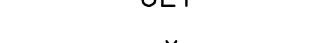
20.2. OVERLAY DISTRICT:
21. PROPERTY LINE INFORMATION PROVIDED BY THE TOWN OF TINMOUTH TAX MAPS. DUBOIS & KING, INC. DID NOT PERFORM A BOUNDARY SURVEY.
22. TOPOGRAPHIC SURVEY PERFORMED BY DUBOIS & KING, INC. ON SEPTEMBER 5, 2024.
23. THE PROJECT WILL COMPLY WITH THE LOW RISK HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL BY THE VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION, 2020 EDITION.
24. ELEVATIONS FROM GPS OBSERVATIONS.

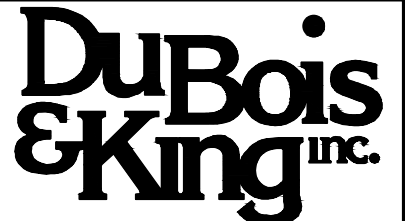
25. WETLANDS AND NATURAL RESOURCES IN PSA 1 WERE DELINEATED BY DUBOIS & KING, INC. ON AUGUST 21, 2024 AND VERIFIED BY VT DEC ON SEPTEMBER 3, 2024. ADDITIONAL WETLAND EXTENT DELINEATED IN PSA 2 ON DECEMBER 18, 2024 BY DUBOIS & KING, INC.

EXISTING FEATURES LEGEND

-  APPROXIMATE PROPERTY LINE
-  OVERHEAD UTILITY LINE
-  EXISTING TREE LINE
-  DELINEATED STREAM
-  RIPARIAN BUFFER
-  50' WETLAND BUFFER
-  DELINEATED WETLAND
-  MINOR CONTOUR LINE
-  MAJOR CONTOUR LINE
-  UTILITY POLE
-  BENCHMARK
-  DECIDUOUS TREE
-  EVERGREEN TREE

PROPOSED FEATURES LEGEND

-  LIMITS OF DISTURBANCE
-  LIMITS OF CONSTRUCTION
-  ACCESS & UTILITY EASEMENT
-  REINFORCED SILT FENCE
-  PROPOSED TREE LINE
-  UNDERGROUND ELEC & TEL LINE
-  CHAIN LINK FENCE
-  PROPOSED WATER BAR
-  TEMPORARY WATER BAR



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						LJH	LJH	CK'D
						JWP	JWP	BY
						REVISED COMPOUND CONFIGURATION	ISSUED FOR PERMITTING	DESCRIPTION
						4-04-2025	11-19-2024	DATE
						2	1	NO.



ITW
TINMOUTH

402 VT ROUTE 140
TINMOUTH, VT
05773

SHEET TITLE

GENERAL
NOTES

PERMIT PLANS

DRAWN BY	DATE
JWP	NOV. 2024
CHECKED BY	D&K PROJECT #
LJH	430311L
PROJ. ENG.	D&K ARCHIVE #
LJH	

SHEET NUMBER

C-1

2	4-04-2025	REVISED COMPOUND CONFIGURATION	JWP	LJH
1	11-19-2024	ISSUED FOR PERMITTING	JWP	LJH
NO.	DATE	DESCRIPTION	BY	CK'D



**Industrial
Tower and Wireless**

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TINMOUTH**

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TINMOUTH, VT
05773

SHEET TITLE

OVERALL SITE PLAN

PERMIT PLANS

DRAWN BY JWP	DATE NOV. 2024
CHECKED BY LJH	D&K PROJECT # 430311L
PROJ. ENG. LJH	D&K ARCHIVE #

SHEET NUMBER

GRAPHIC SCALE

200 0 100 200 400 800



(IN FEET)

1 inch = 200 ft. AT 22X34
HALF SIZE AT 11X17

- 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
TINMOUTH, VT 05773

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TINMOUTH, VT
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SHEET TITLE

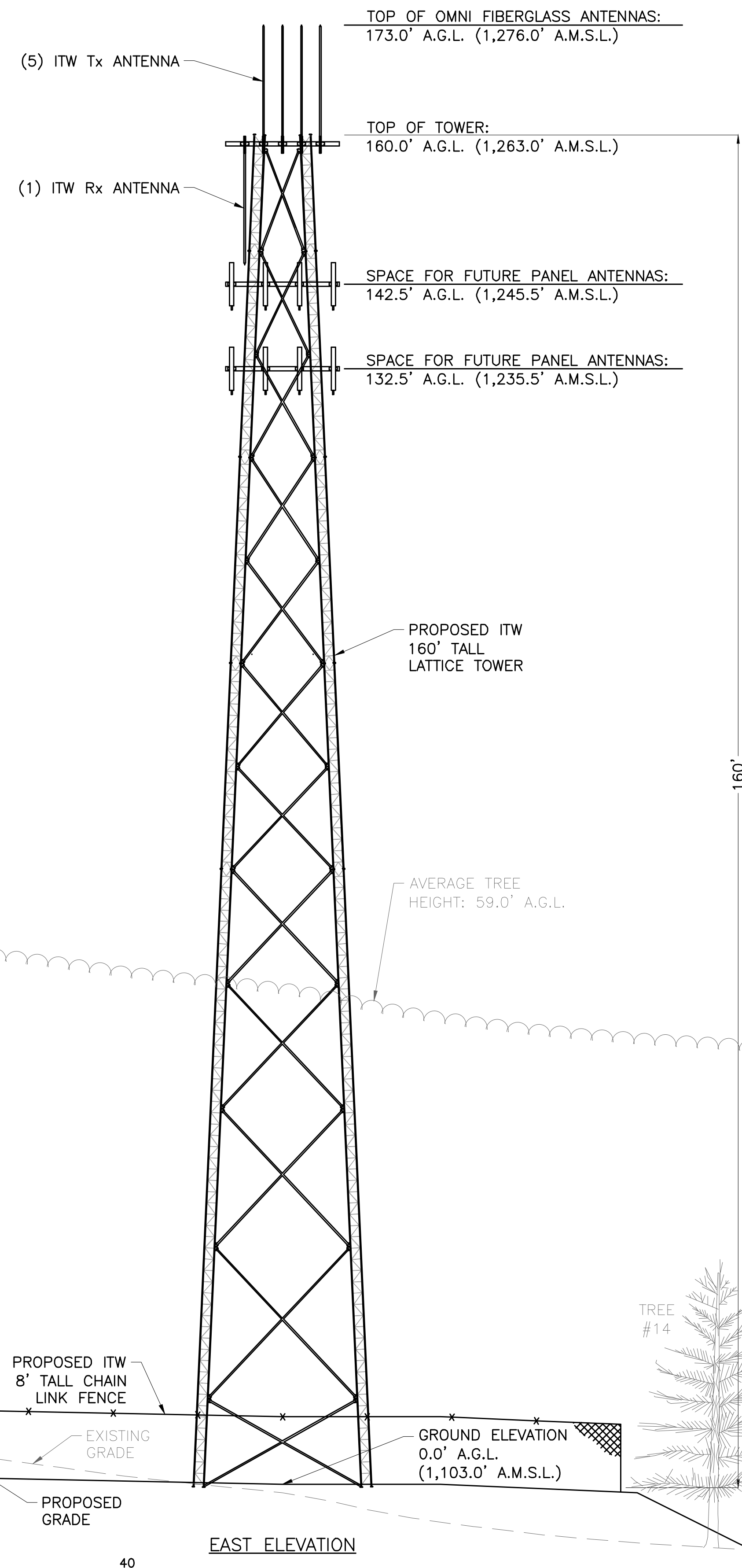
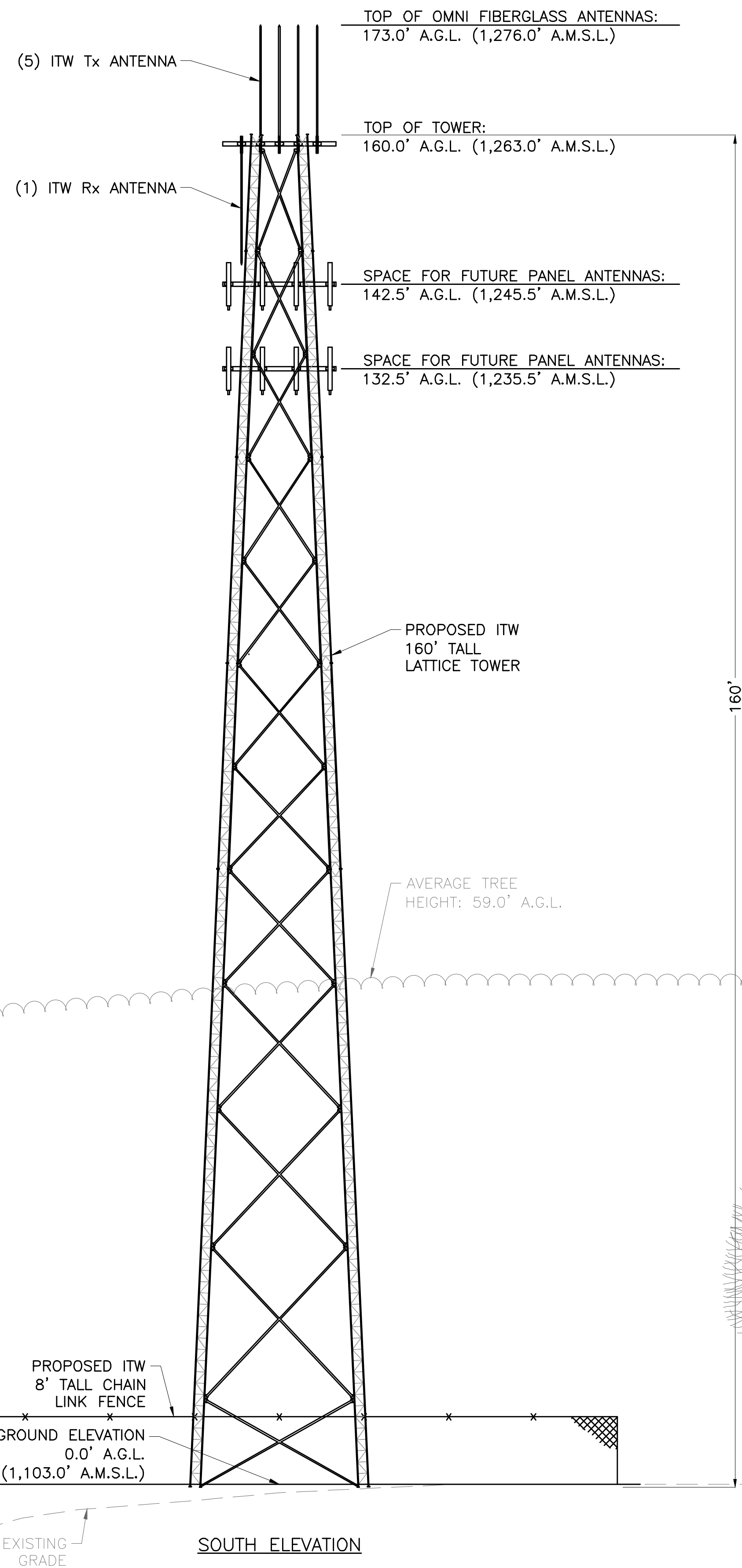
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PLAN

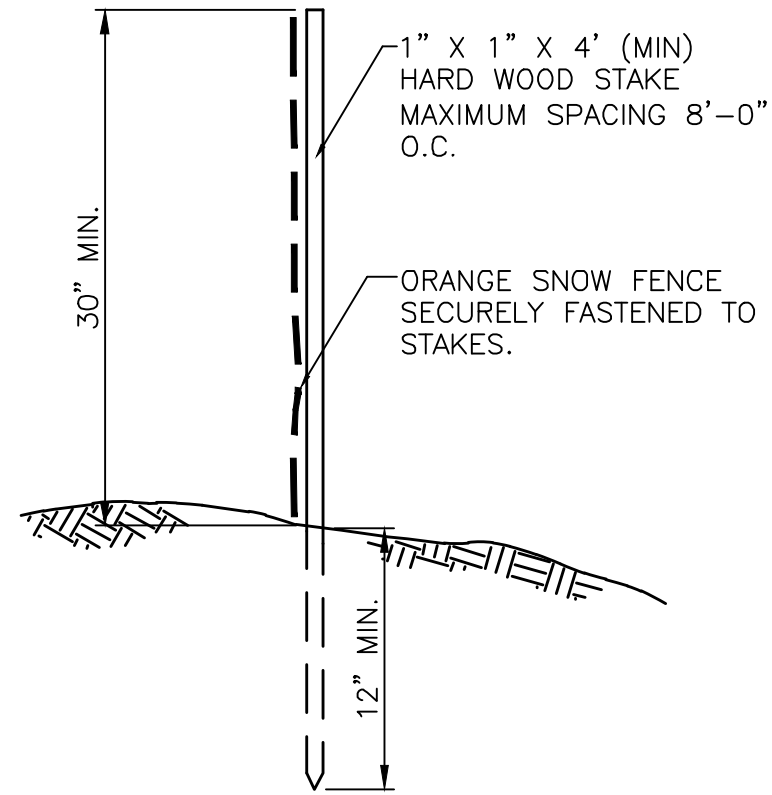
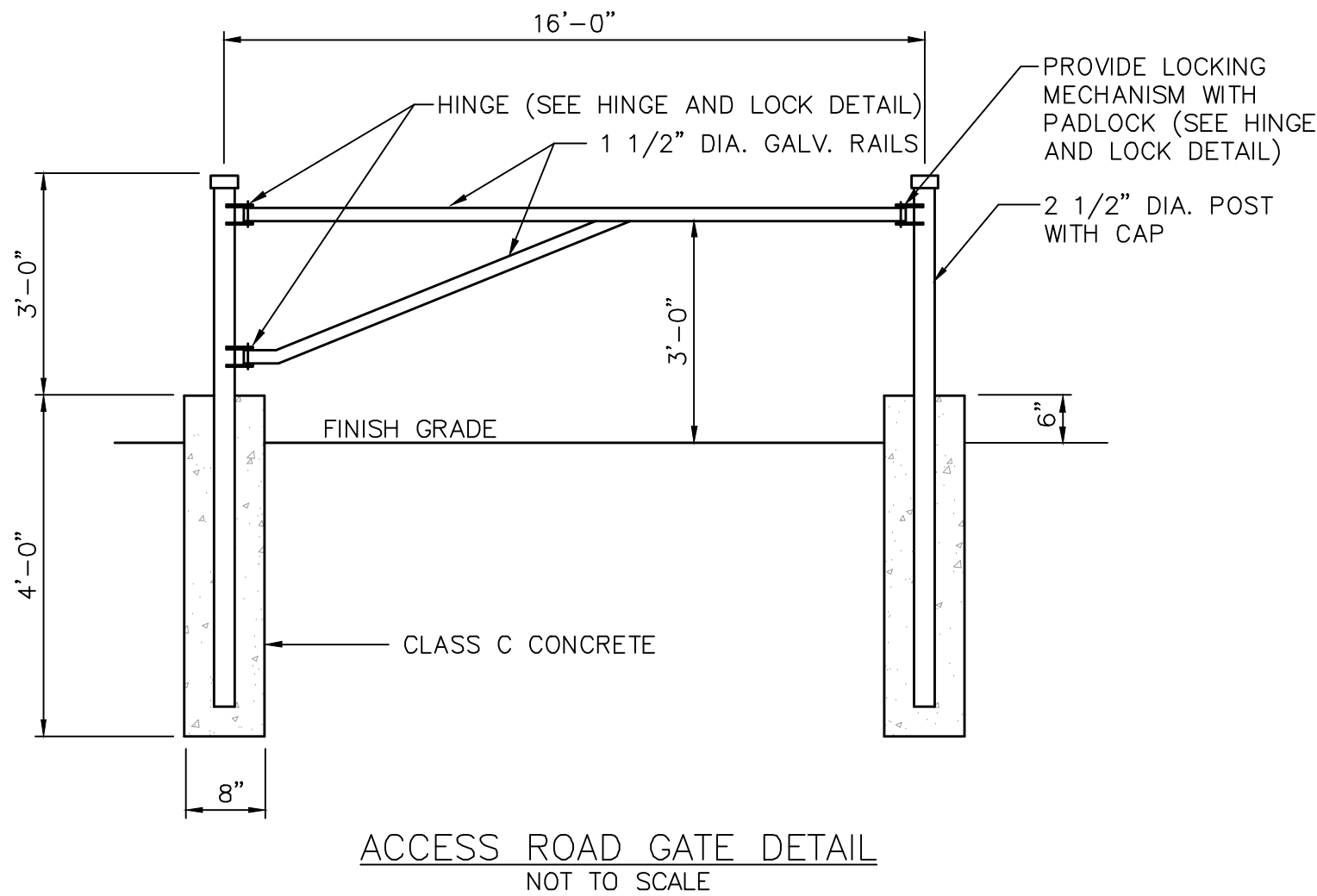
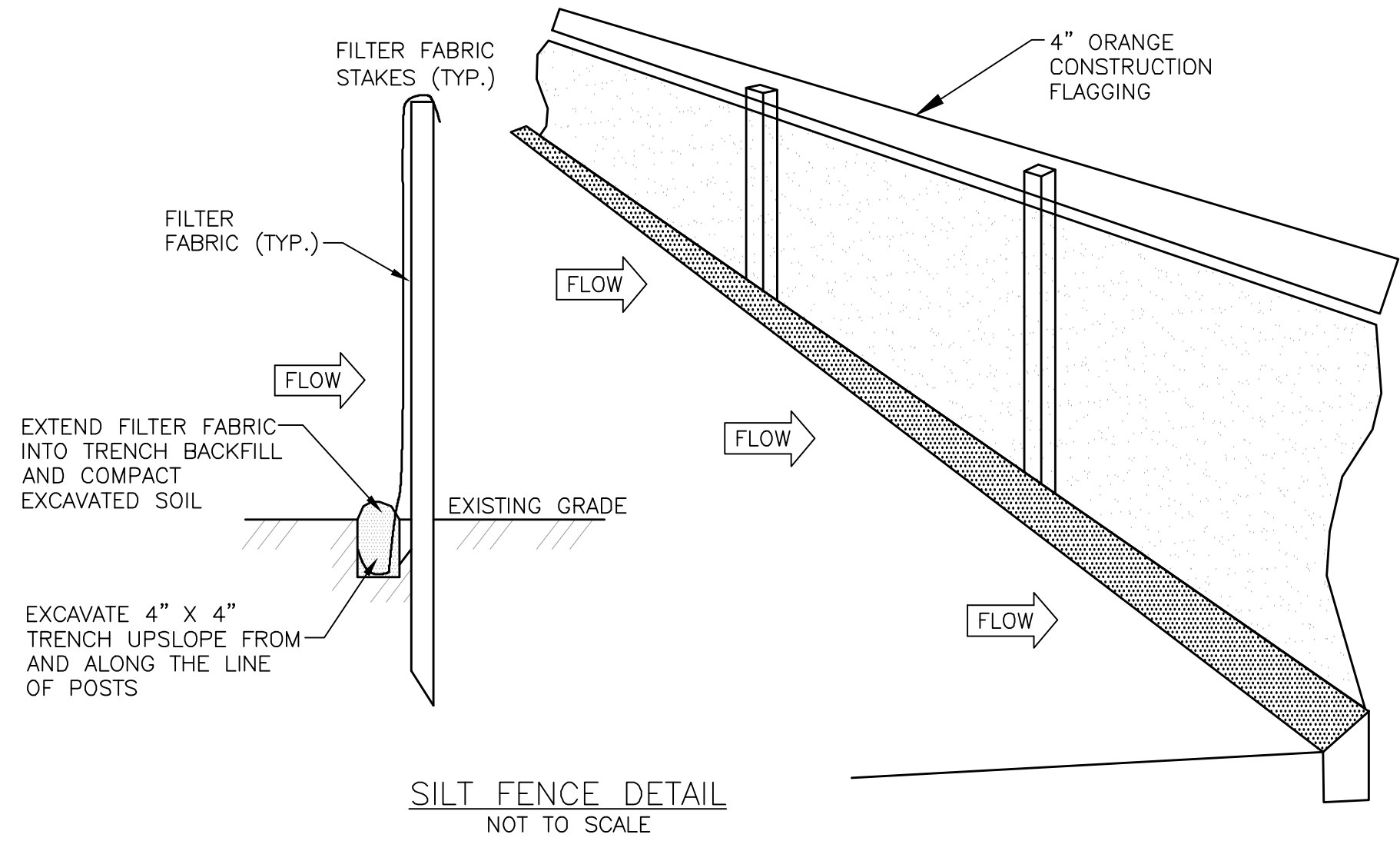
PERMIT PLANS

DRAWN BY JWP	DATE NOV. 2024
CHECKED BY LJH	D&K PROJECT # 430311L
PROJ. ENG. LJH	D&K ARCHIVE #

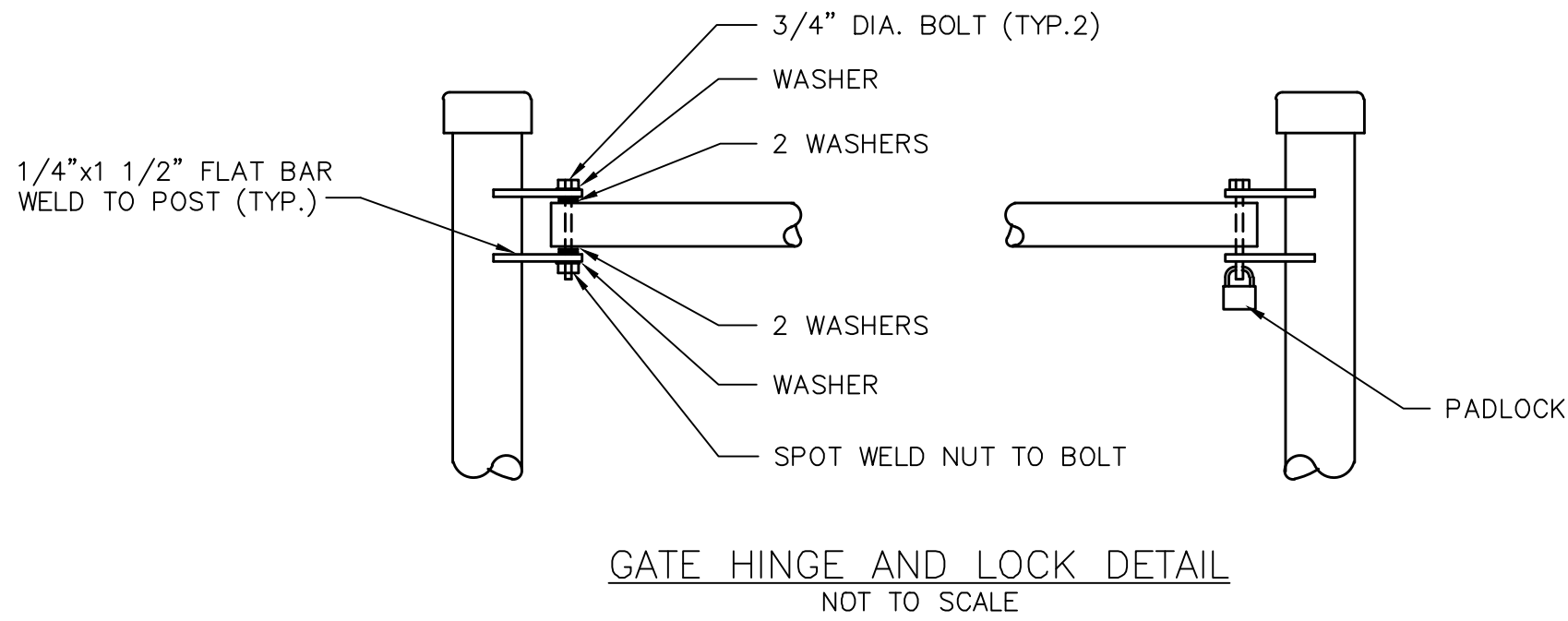
SHEET NUMBER

C-4

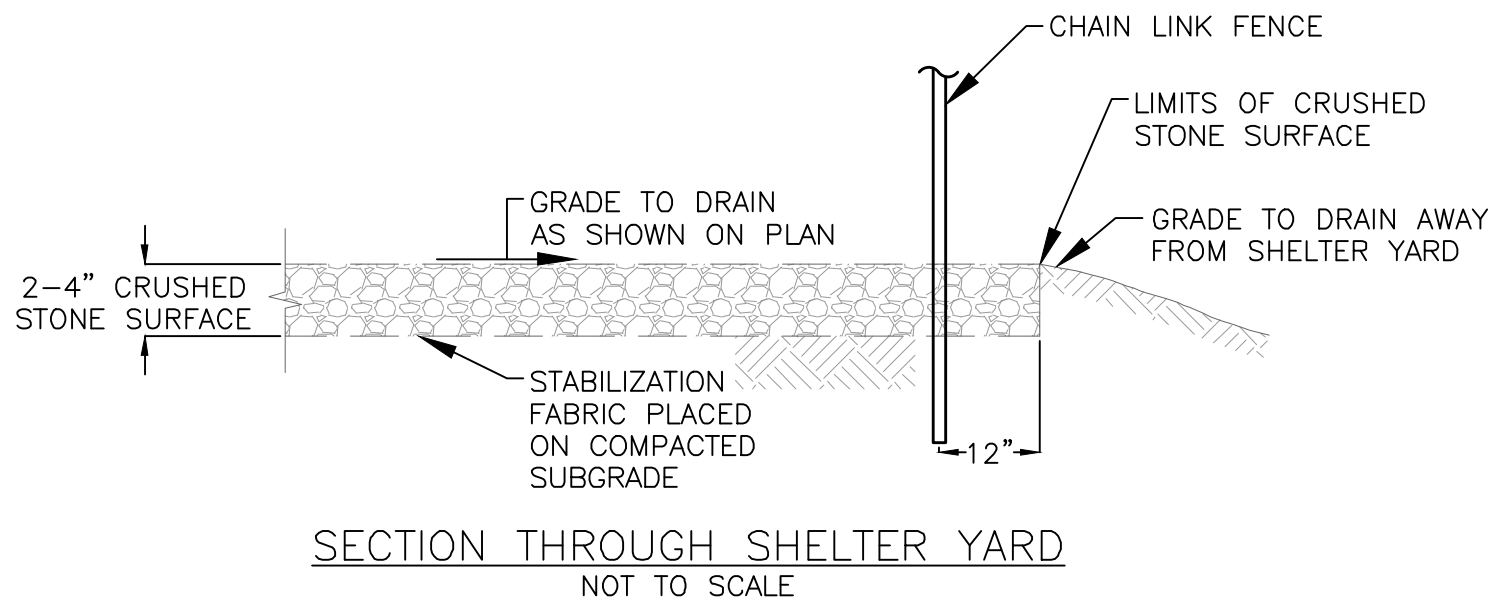




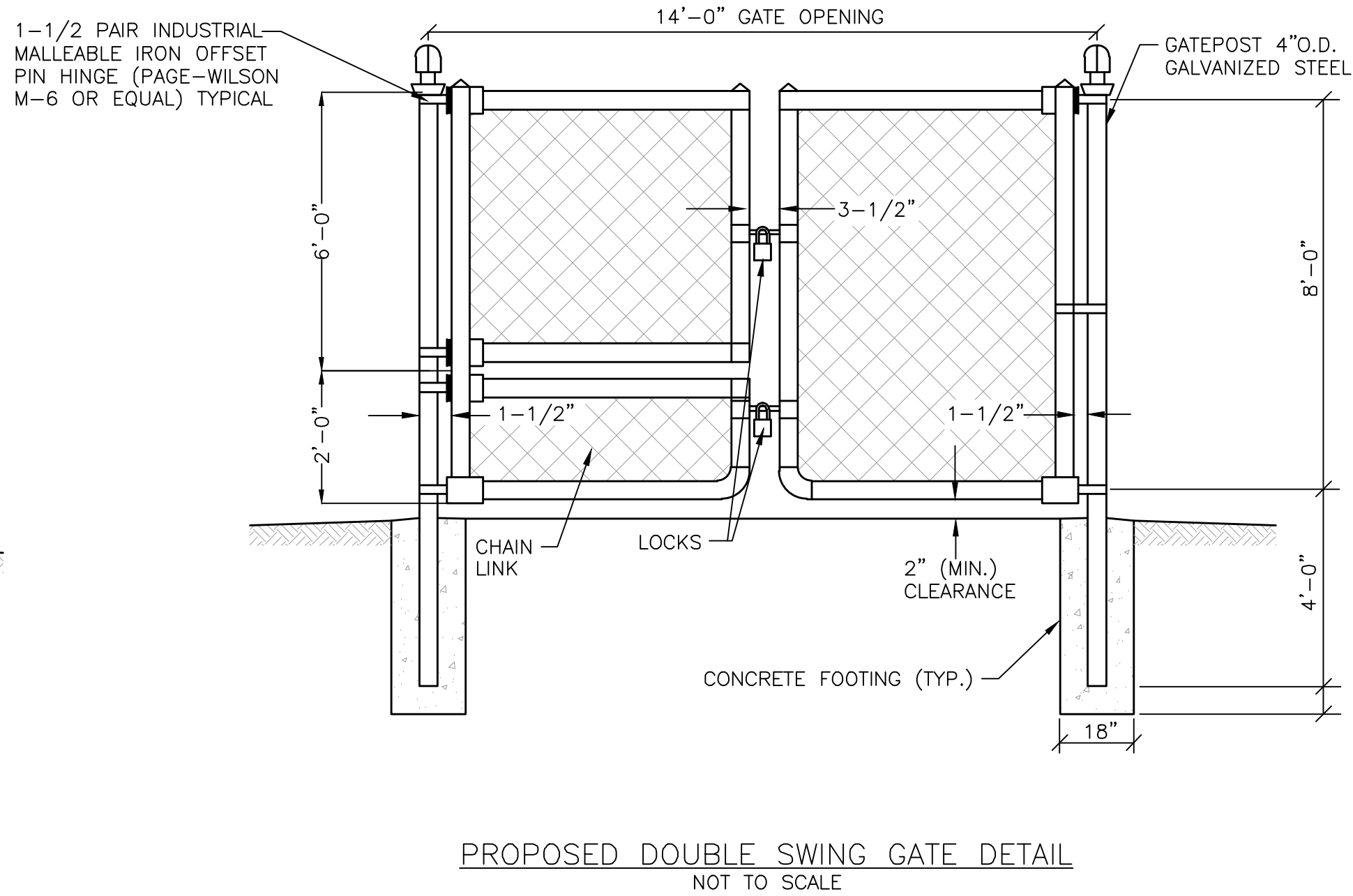
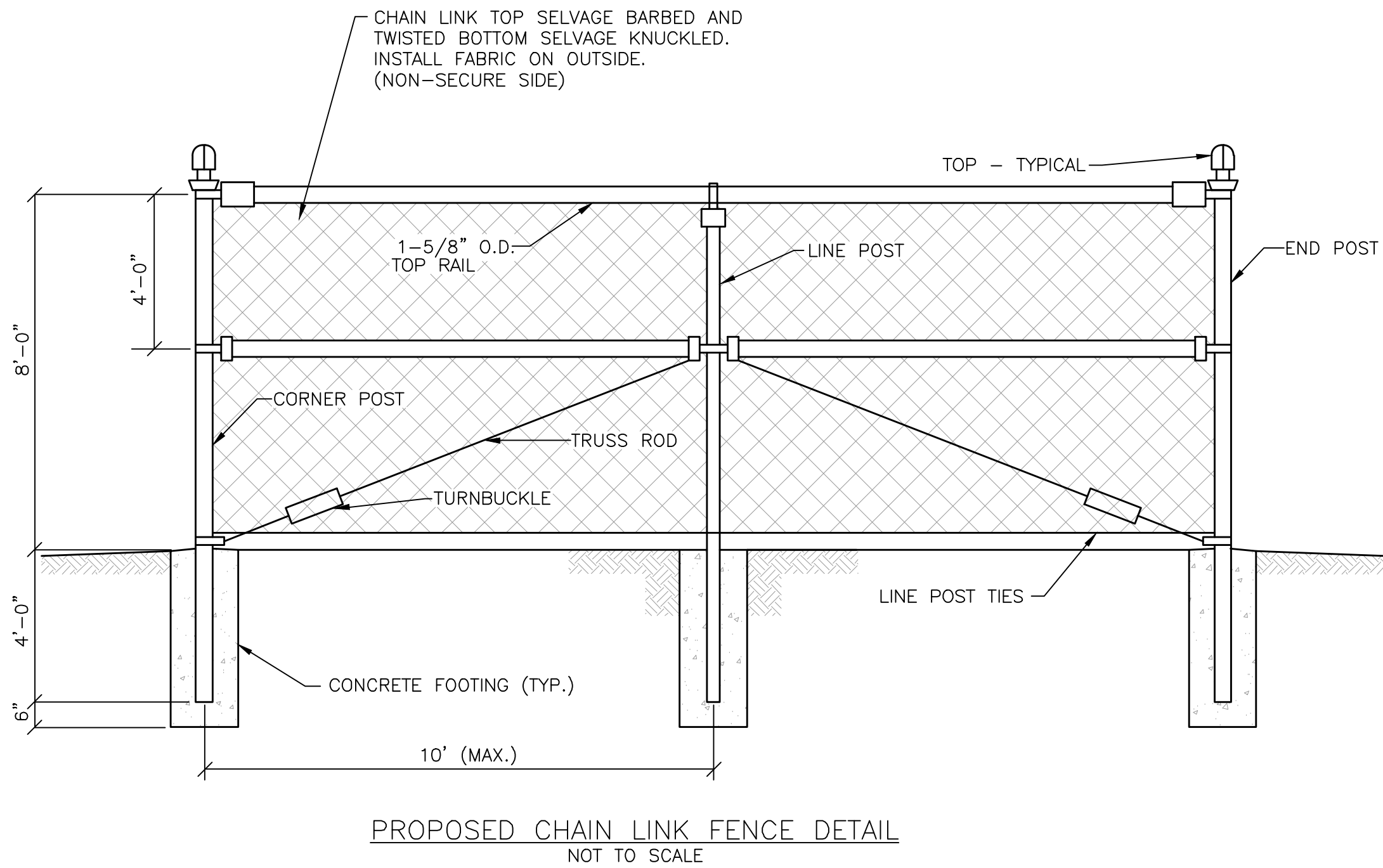
- NOTES:**
- SEED AND MULCH ALL EXPOSED SOILS AS SOON AS FEASIBLE.
 - CONTRACTOR TO FOLLOW STATE OF VERMONT LOW RISK HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL.



NOTE:
CONTRACTOR SHALL INSTALL CONSTRUCTION FENCING AS REQUIRED TO LIMIT EQUIPMENT DISTURBANCE OF THE SITE

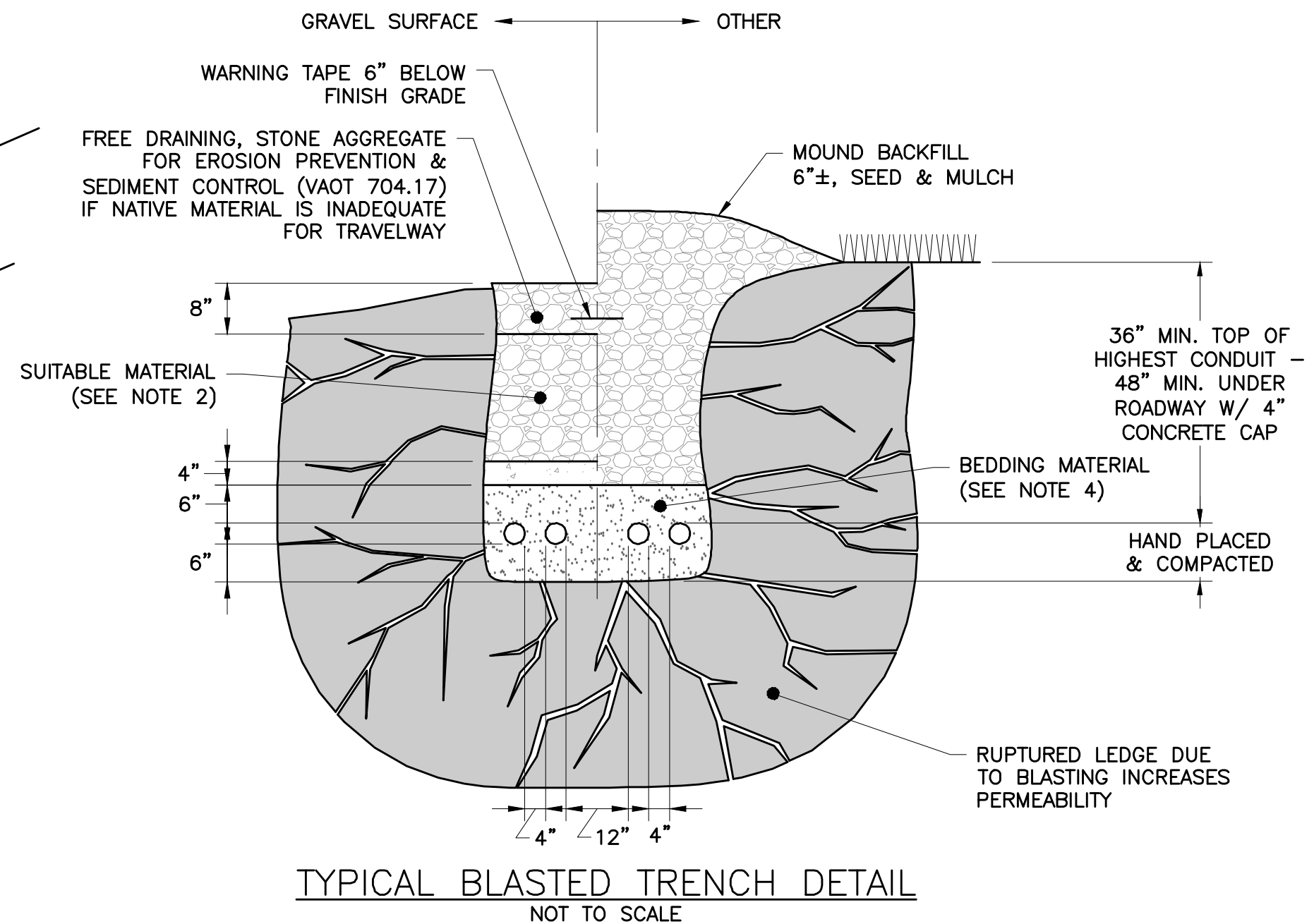
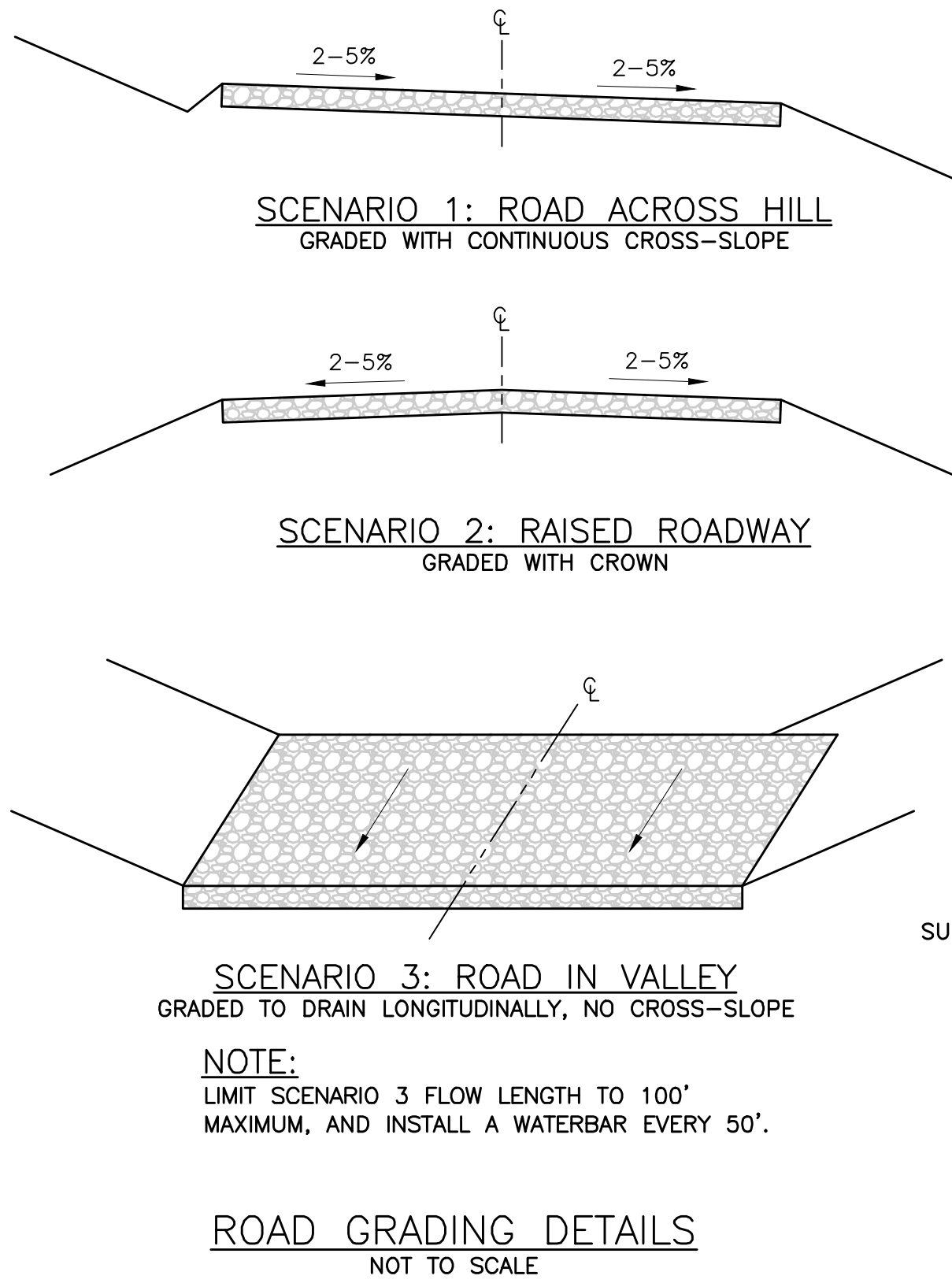


NOTE:
REMOVE TOPSOIL FOR THE PLACEMENT OF YARD STONE AND STOCKPILE ON SITE. BLEND TOPSOIL INTO NEW GRADE IMMEDIATELY SURROUNDING THE FENCED-IN AREA, AND INSURE THAT IT REMAINS WITHIN THE TOP LAYER OF SOIL STRATA.



NO.	DATE	DESCRIPTION	BY	CHK'D
2	4-04-2025	REVISED COMPOUND CONFIGURATION	JWP	LJH
1	11-19-2024	ISSUED FOR PERMITTING	JWP	LJH

DRAWN BY	DATE
JWP	NOV. 2024
CHECKED BY	D&K PROJECT #
LJH	430311L
PROJ. ENG.	D&K ARCHIVE #
LJH	



- ### ACCESS ROAD NOTES:
1. ACCESS 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-SEEDDED 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.

TRENCH NOTES:

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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PLANS**

[illegible]

**Industrial
Tower and Wireless**

**ITW
TINMOUTH**

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TINMOUTH, VT
05773

SHEET TITLE

PERVIOUS
TELECOMM.
SURFACES

PERMIT PLANS

DRAWN BY JWP	DATE NOV. 2024
CHECKED BY LJH	D&K PROJECT # 430311L
PROJ. ENG. LJH	D&K ARCHIVE #

SHEET NUMBER

C-9



ANTENNA FACIAL SURFACE AREA						
DESCRIPTION	HEIGHT (in)	DIAMETER (in)	SURFACE AREA (sq. ft.)	NUMBER OF UNITS	TOTAL SURFACE AREA (sq. ft.)	EXPOSED SURFACE AREA (sq. ft.)
OMNI FIBERGLASS PD10017-6	159.00	2.00	6.95	5	34.77	34.77
					TOTAL =	34.77

[illegible]

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