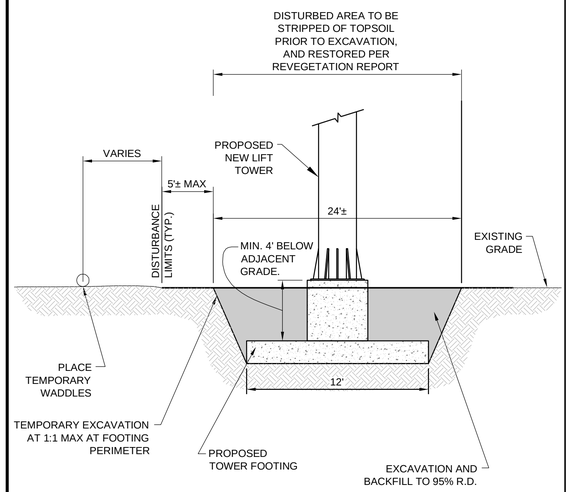
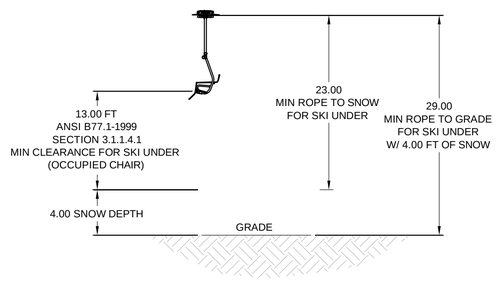
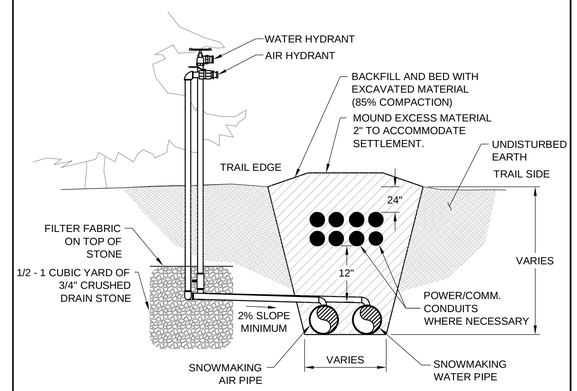


NOTE:
PROXIMITY TO WETLANDS OR OTHER RESOURCES MAY REQUIRE VERTICAL CUTS IN SOME LOCATIONS.

1 PROPOSED TOWER INSTALLATION
N.T.S.



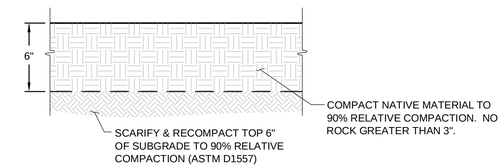
2 CHAIR CLEARANCE
N.T.S.



NOTE:

EXCAVATED MATERIAL USED TO BACKFILL THROUGHOUT TRENCH SECTION. ROCKS OVER 6" DIA. REMOVED EXCEPT FOR FINAL 1 FOOT WHERE 12" MIN. ROCK IS ALLOWED. ROCKS 3" IN DIA. OR LARGER REMOVED WITHIN 6" OF CONDUITS.

3 JT/ SNOWMAKING TRENCH SECTION
N.T.S.

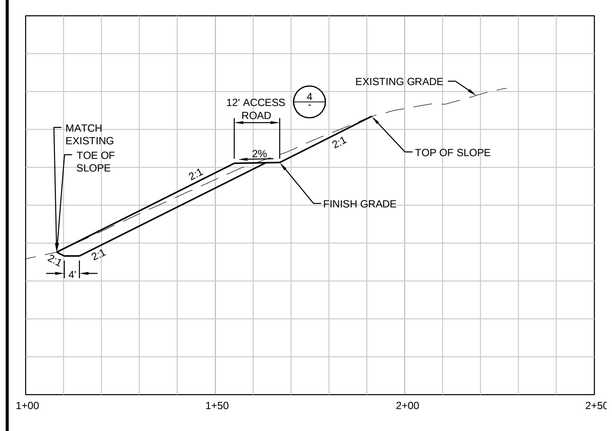


ACCESS ROAD

NOTES:

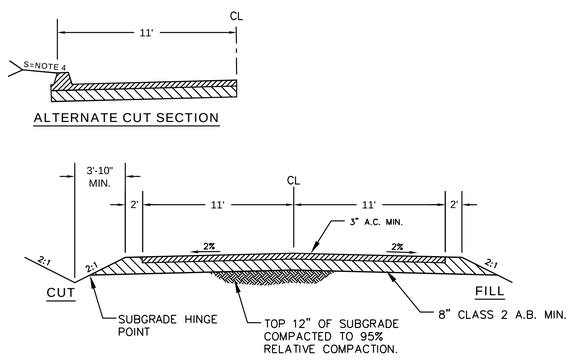
1. ALL STRUCTURAL FILL SHOULD BE COMPACTED TO AT LEAST 90% RELATIVE DENSITY.
2. REPLACE ALL WATER BARS DISTURBED DURING CONSTRUCTION.

4 ACCESS ROAD SECTION
N.T.S.



NOTES:
1. ACCESS ROADS WILL NOT EXCEED A GRADE OF 15% EXCEPT THE PITCHES OF UP TO 20% WILL BE ALLOWED FOR LESS THAN 500 CONTINUOUS FEET.
2. MAXIMUM CUT/FILL SLOPE OF 2:1 UNLESS FAVORABLE GEOTECHNICAL CONDITIONS WOULD ALLOW FOR AN ALTERNATIVE SLOPE CONFIGURATION.
3. ACCESS ROADS SHALL BE SLOPED AT 2% TO ALLOW FOR STORMWATER FLOW AND INFILTRATION INTO ADJACENT NATURAL TERRAIN. WATERBARS WILL BE INSTALLED TO ALLOW WATER TO DISCHARGE INTO THE NATURAL TERRAIN. WATERBARS SHALL MEET ALL REQUIREMENTS OF SECTIONS 934.6(a) AND 934.6(b) OF THE FOREST PRACTICES ACT.

5 TYPICAL ACCESS ROAD CROSS SECTION
N.T.S.

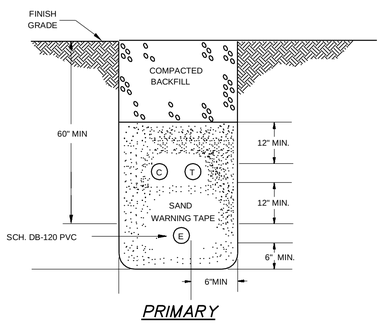


NOTES:

1. DITCH FLOWLINE MUST BE A MINIMUM OF ONE FOOT BELOW SUBGRADE HINGE POINT. THE DITCH MAY BE REQUIRED TO BE LARGER DEPENDING ON THE DRAINAGE TO BE CONVEYED.
2. 10% MINIMUM SLOPE. FOR ROADS WITH LONGITUDINAL CENTERLINE SLOPES GREATER THAN 8%, USE 18% MINIMUM, 22% MAXIMUM SLOPE.
3. A.C. MIX SHALL BE PG64-28, 1/2 INCH AGGREGATE.
4. ADDITIONAL EASEMENTS MAY BE REQUIRED AS NECESSARY TO PROVIDE FOR DRAINAGE, CUT/FILL SLOPES, UTILITIES, ETC.

6 PAVED ACCESS ROAD
N.T.S.

CALL FOR TRENCH INSPECTION (530) 546-1735
TYPICAL TRENCH DETAIL



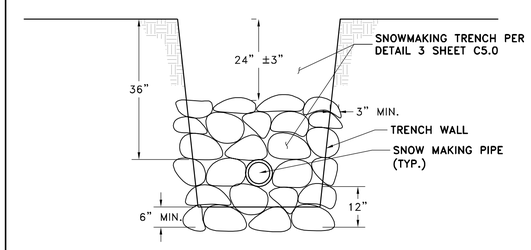
PRIMARY

NOTES:

1. THE TOP 18" OF ALL TRENCHES IN ESTABLISHED HIGHWAYS, STREETS, AND OTHER PAVED AREAS SUBJECT TO TRAFFIC, SHALL BE BACKFILLED WITH TYPE II BASE.
2. THE TOP 18" OF ALL TRENCHES ON PRIVATE PROPERTY, (NOT SUBJECT TO TRAFFIC) MAY BE BACKFILLED WITH NATIVE MATERIAL.
3. ELECTRICAL PRIMARY CONDUIT MUST BE 6" MINIMUM FROM THE SIDE OF THE TRENCH. IF MORE THAN ONE CONDUIT IS INSTALLED, MAINTAIN 1-1/2" SEPARATION FROM EACH ELECTRICAL CONDUIT.
4. PROVIDE WARNING TAPE ABOVE ALL UTILITY CONDUITS IN ACCORDANCE WITH PURVEYOR'S STANDARDS.

7 POWER - TRENCH
N.T.S.

TYPICAL DETAIL
PIPELINE TRENCH-BREAKER
NTS



NOTES:

1. TRENCH-BREAKER (SEEPAGE COLLAR) SHALL BE PLACED MORE THAN 3.0 FEET FROM PIPE JOINT.
2. THE TRENCH-BREAKER SHALL BE COMPOSED OF SACKED SAND-CEMENT. THE MIX SHALL HAVE AT LEAST 2 SACKS OF TYPE II PORTLAND CEMENT PER CUBIC YARD OF MIX.
3. THE SACKS SHALL BE PLACED SO AS TO CREATE A BREAKER WALL THAT IS AT LEAST 8" WIDE.
4. THE SACKS SHALL BE PLACED AND TAMPED TO MINIMIZE GAPS BETWEEN SACKS.
6. THE SACKS MAY BE PLACED DRY OR MOIST.
6. SPACING PER GEOTECHNICAL ENGINEER.

8 TRENCH-BREAKER
N.T.S.

Marvin E. Davis & Associates CONSULTING CIVIL ENGINEERS P.O. Box 18449 Reno, Nevada 89511	TRENCH-BREAKER SNOW MAKING	EXCEL
JOB # 9943.003 APPR: DATE: 1/20/03 PLACER COUNTY		CALIFORNIA

NOT FOR CONSTRUCTION

REV	DATE	REVISIONS	INITIAL

AUERBACH ENGINEERING CORP.
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PROGRAM MANAGEMENT AND PLANNING
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NORTHSTAR MOUNTAIN MASTER PLAN
CIVIL DETAILS
NORTHSTAR PLACER COUNTY CALIFORNIA

0 1
BAR IS ONE INCH ON ORIG. DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER:	1111.05N
SURVEY BY:	KM
SURVEY DATE:	N/A
DESIGN BY:	NC
DRAFTING BY:	NC
CHECKED BY:	WA
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FILE NAME:	1111.05N_CD1.dwg
DATE:	APRIL 23, 2013
SCALES: HORIZONTAL	AS SHOWN
VERTICAL	N/A
SHEET:	CD1