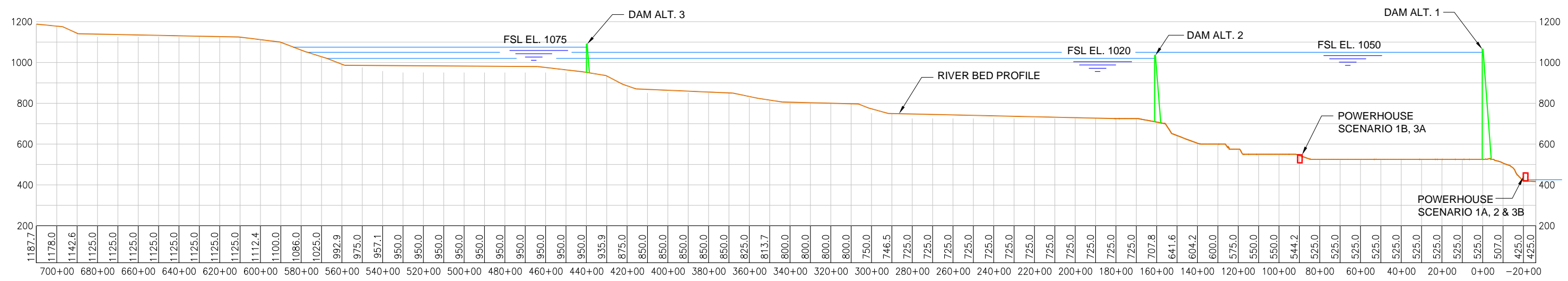
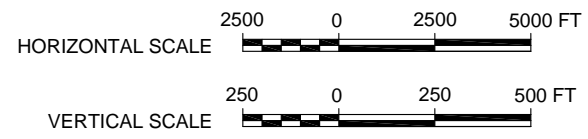


PLAN



PROFILE

NOTE:
 THIS IS A PRELIMINARY CONCEPT SKETCH FOR FEASIBILITY STUDY PURPOSES ONLY. ALL DIMENSIONS AND ELEVATIONS ARE APPROXIMATE, AND WILL BE UPDATED AS PROJECT DESIGN STUDIES CONTINUE. ALL CONCEPTS AND DETAILS, SUCH AS DIMENSIONS AND ELEVATIONS, DEFINED ON DRAWINGS WOULD REQUIRE FURTHER REFINEMENT DURING A SUBSEQUENT DESIGN PHASE.



- NOTES:**
1. TOPOGRAPHY FROM USGS 15 MINUTE DIGITAL ELEVATION MODEL FOR VALDEZ A-3, A-4, B-3 AND B-4, AK.
 2. SPATIAL REFERENCE: UTM ZONE 6, NAD83, FEET.
 3. VERTICAL DATUM IS NGVD.
 4. 25-FT CONTOUR INTERVAL WITH 125-FT INDEX CONTOURS.

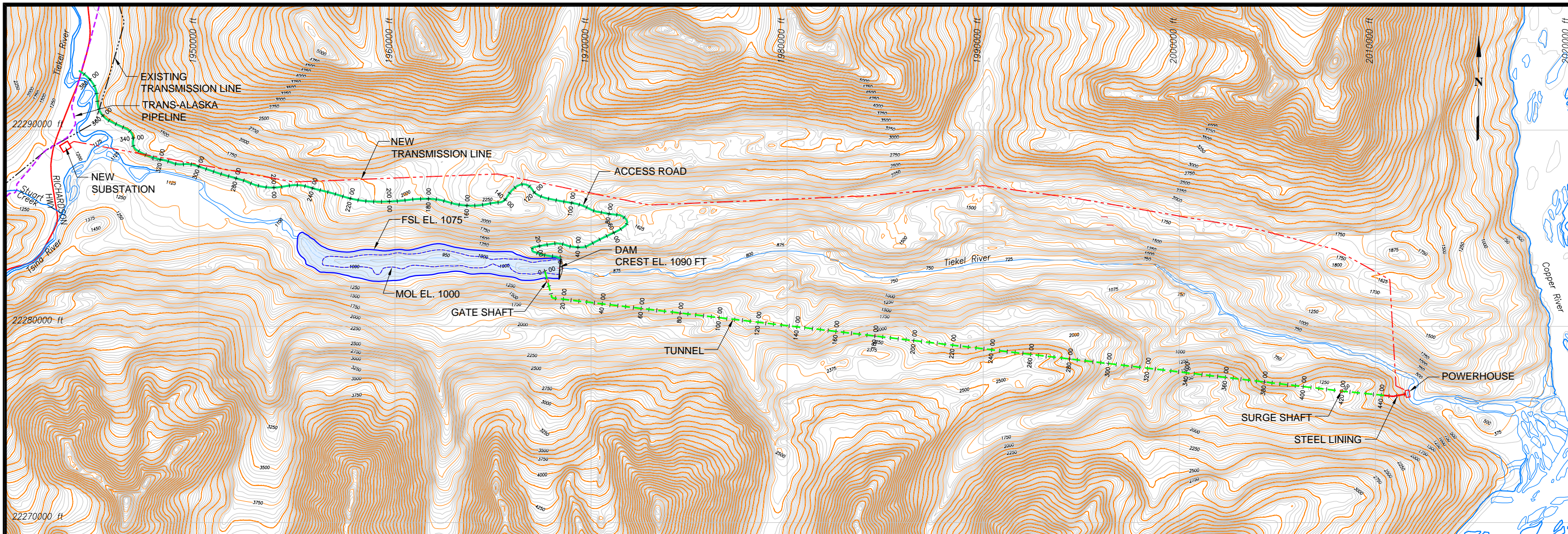
COPPER VALLEY ELECTRIC ASSOCIATION
 TIEKEL RIVER RECONNAISSANCE

ALTERNATIVE DAM AND POWERHOUSE LOCATION MAP AND RIVER PROFILE

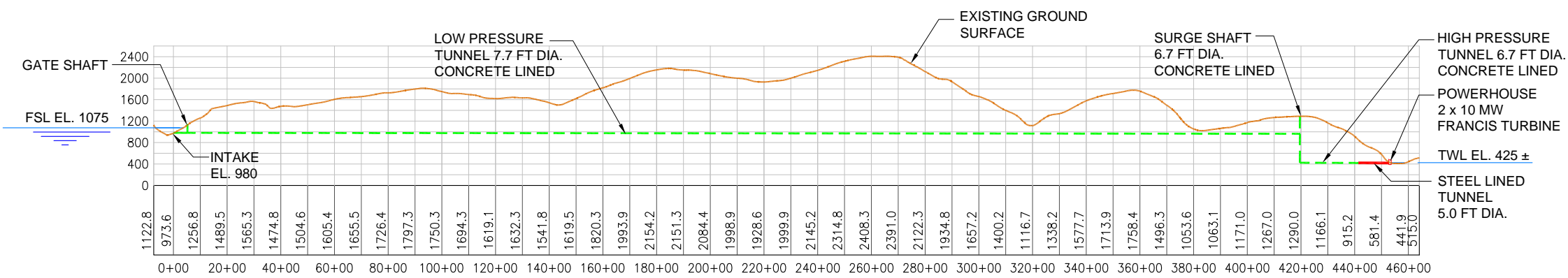
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JOB No: 10506419 DATE: NOVEMBER 2015
 DRAWING No: **Exhibit 03 SKC-105**

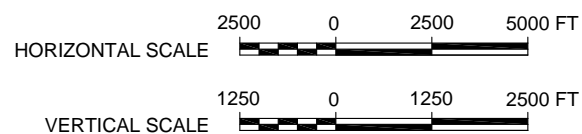
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PLAN



WATERWAY PROFILE



LEGEND:

- EXISTING MAJOR ROAD / HIGHWAY
- - - TRANS-ALASKA PIPELINE
- - - EXISTING TRANSMISSION LINE
- - - NEW TRANSMISSION LINE

NOTE:

THIS IS A PRELIMINARY CONCEPT SKETCH FOR FEASIBILITY STUDY PURPOSES ONLY. ALL DIMENSIONS AND ELEVATIONS ARE APPROXIMATE, AND WILL BE UPDATED AS PROJECT DESIGN STUDIES CONTINUE. ALL CONCEPTS AND DETAILS, SUCH AS DIMENSIONS AND ELEVATIONS, DEFINED ON DRAWINGS WOULD REQUIRE FURTHER REFINEMENT DURING A SUBSEQUENT DESIGN PHASE.

NOTES:

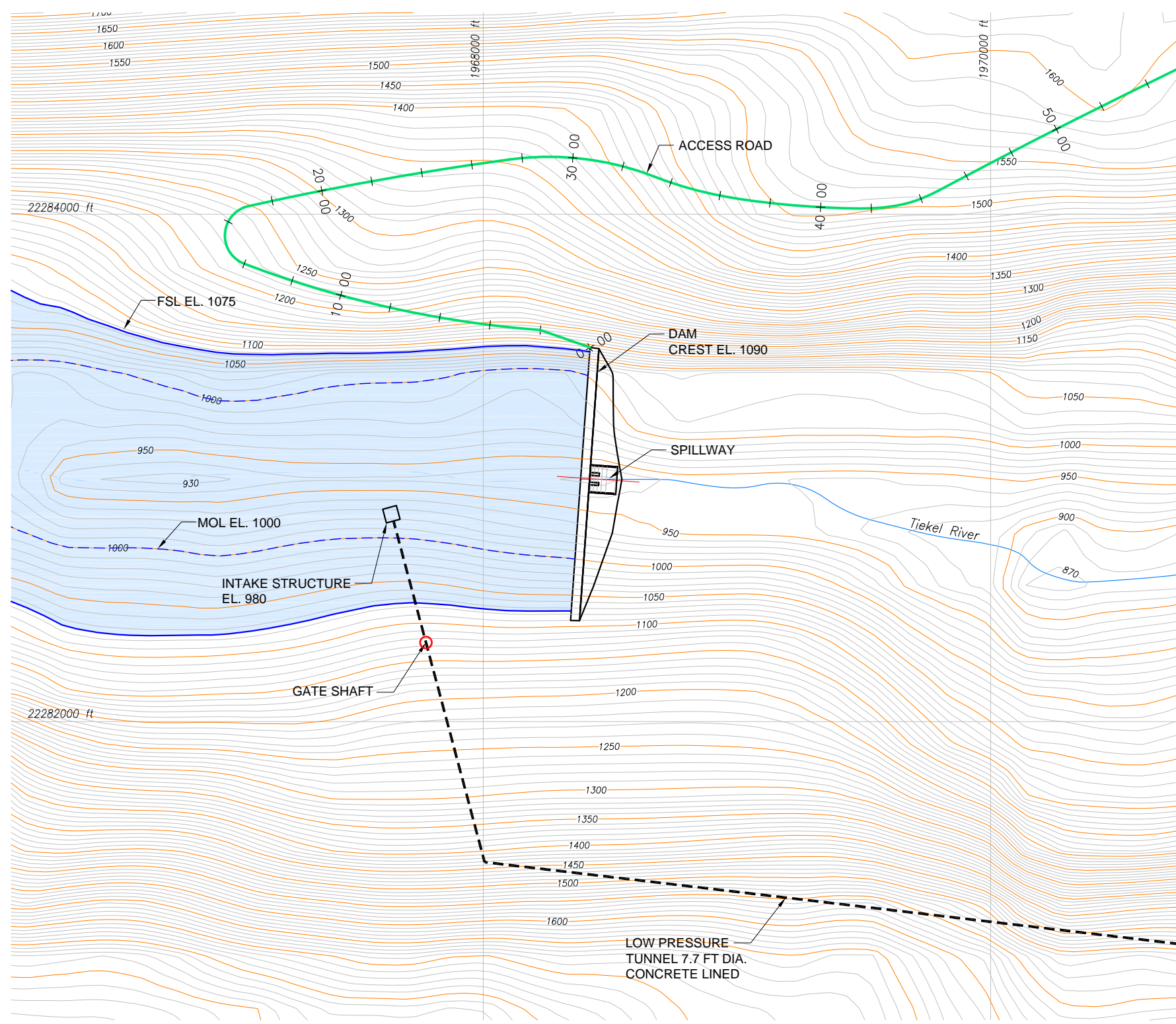
1. TOPOGRAPHY FROM USGS 15 MINUTE DIGITAL ELEVATION MODEL FOR VALDEZ A-3, A-4, B-3 AND B-4, AK.
2. SPATIAL REFERENCE: UTM ZONE 6, NAD83, FEET.
3. VERTICAL DATUM IS NGVD.
4. 25-FT CONTOUR INTERVAL WITH 125-FT INDEX CONTOURS.

COPPER VALLEY ELECTRIC ASSOCIATION
TIEKEL RIVER RECONNAISSANCE

**SCENARIO 1A
PLAN AND WATERWAY PROFILE**



JOB No: 10506419 | DATE: NOVEMBER 2015
DRAWING No: **Exhibit 04 SKC-201**



PLAN



NOTE:

THIS IS A PRELIMINARY CONCEPT SKETCH FOR FEASIBILITY STUDY PURPOSES ONLY. ALL DIMENSIONS AND ELEVATIONS ARE APPROXIMATE, AND WILL BE UPDATED AS PROJECT DESIGN STUDIES CONTINUE. ALL CONCEPTS AND DETAILS, SUCH AS DIMENSIONS AND ELEVATIONS, DEFINED ON DRAWINGS WOULD REQUIRE FURTHER REFINEMENT DURING A SUBSEQUENT DESIGN PHASE.

NOTES:

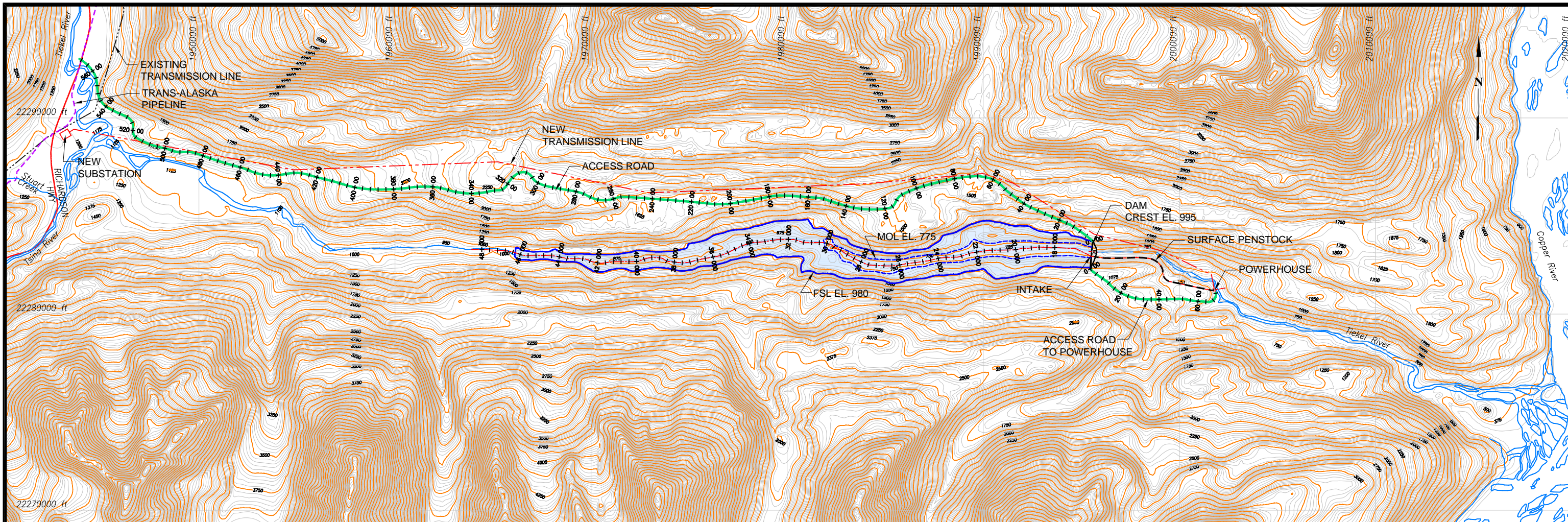
1. TOPOGRAPHY FROM USGS 15 MINUTE DIGITAL ELEVATION MODEL FOR VALDEZ A-3, A-4, B-3 AND B-4, AK.
2. SPATIAL REFERENCE: UTM ZONE 6, NAD83, FEET.
3. VERTICAL DATUM IS NGVD.
4. 10-FT CONTOUR INTERVAL WITH 50-FT INDEX CONTOURS.

COPPER VALLEY ELECTRIC ASSOCIATION
TIEKEL RIVER RECONNAISSANCE

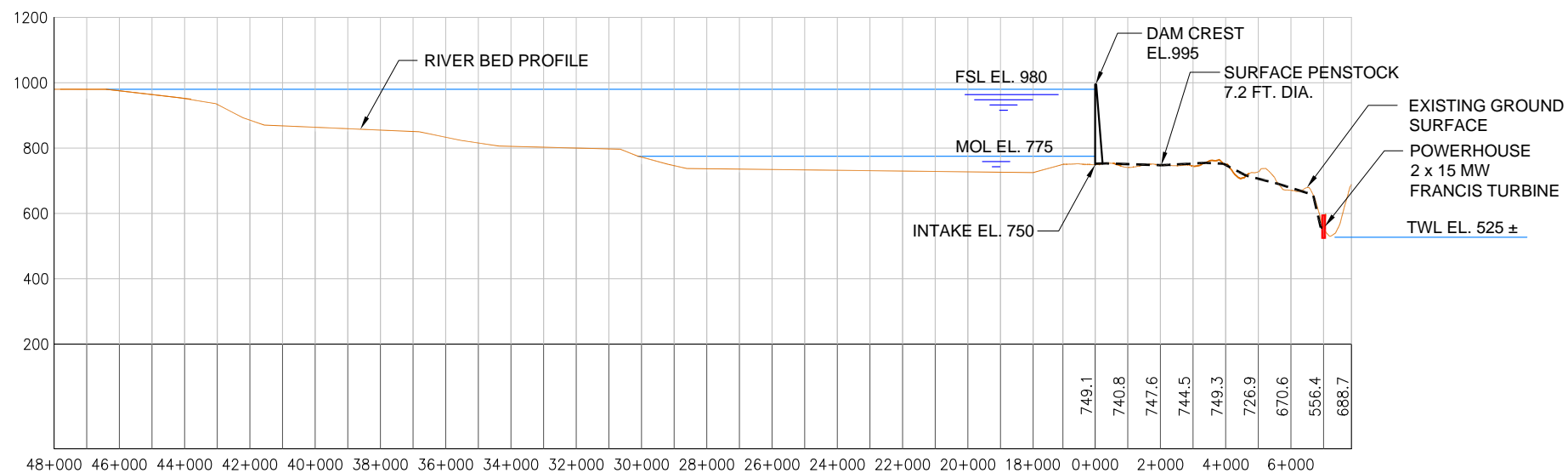
**SCENARIO 1A
PLAN DETAIL**



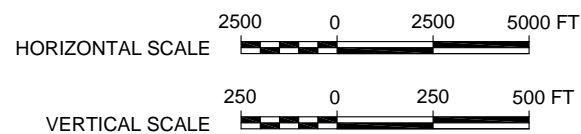
JOB No: 10506419 | DATE: NOVEMBER 2015
DRAWING No: **Exhibit 05 SKC-202**



PLAN



PROFILE



LEGEND:

- EXISTING MAJOR ROAD / HIGHWAY
- - - TRANS-ALASKA PIPELINE
- - - EXISTING TRANSMISSION LINE
- - - NEW TRANSMISSION LINE

NOTE:

THIS IS A PRELIMINARY CONCEPT SKETCH FOR FEASIBILITY STUDY PURPOSES ONLY. ALL DIMENSIONS AND ELEVATIONS ARE APPROXIMATE, AND WILL BE UPDATED AS PROJECT DESIGN STUDIES CONTINUE. ALL CONCEPTS AND DETAILS, SUCH AS DIMENSIONS AND ELEVATIONS, DEFINED ON DRAWINGS WOULD REQUIRE FURTHER REFINEMENT DURING A SUBSEQUENT DESIGN PHASE.

NOTES:

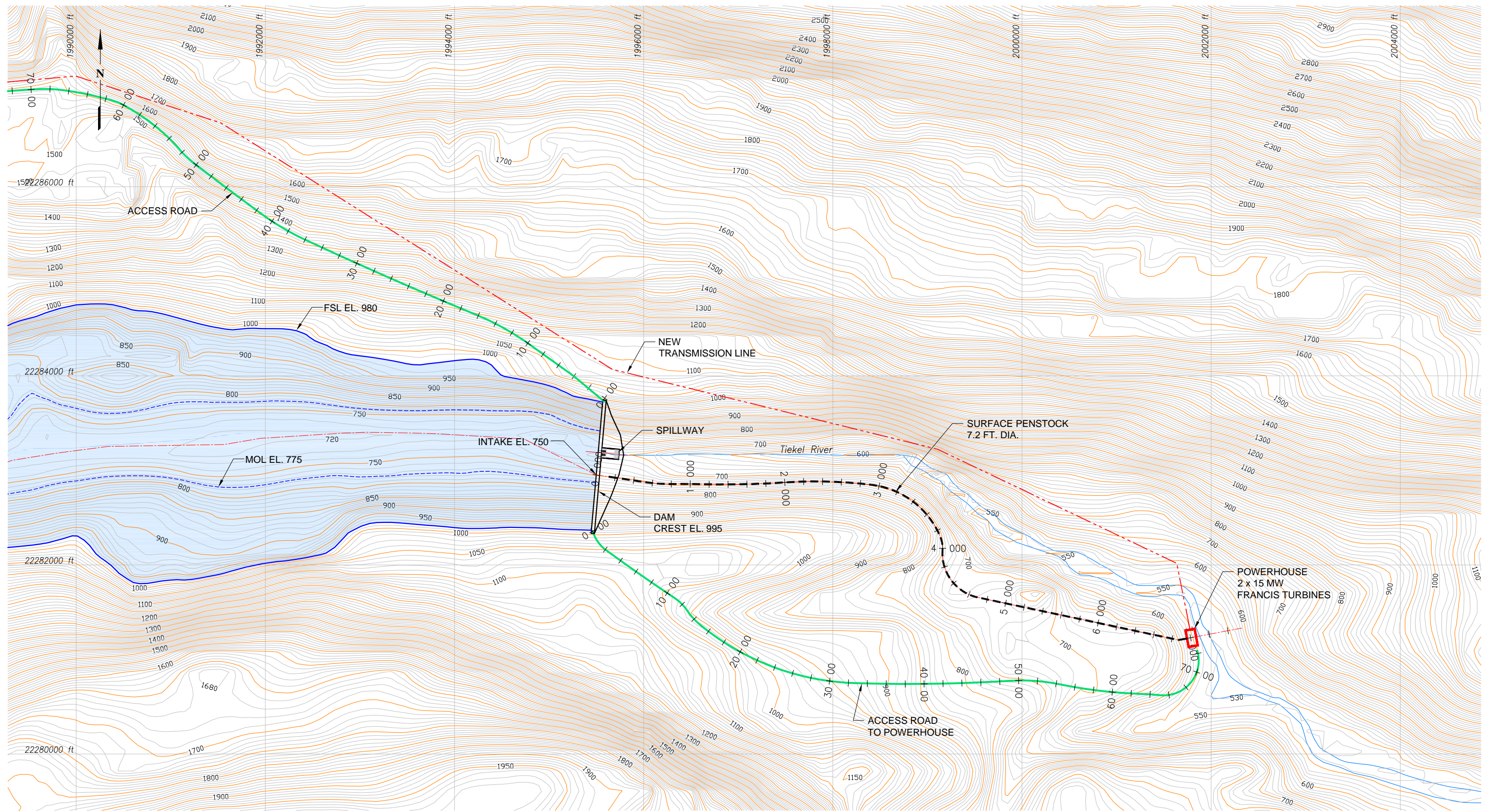
1. TOPOGRAPHY FROM USGS 15 MINUTE DIGITAL ELEVATION MODEL FOR VALDEZ A-3, A-4, B-3 AND B-4, AK.
2. SPATIAL REFERENCE: UTM ZONE 6, NAD83, FEET.
3. VERTICAL DATUM IS NGVD.
4. 25-FT CONTOUR INTERVAL WITH 125-FT INDEX CONTOURS.

COPPER VALLEY ELECTRIC ASSOCIATION
TIEKEL RIVER RECONNAISSANCE

**SCENARIO 1B
PLAN AND WATERWAY PROFILE**



JOB No: 10506419 | DATE: NOVEMBER 2015
DRAWING No: **Exhibit 06 SKC-203**



PLAN



NOTE:
 THIS IS A PRELIMINARY CONCEPT SKETCH FOR FEASIBILITY STUDY PURPOSES ONLY. ALL DIMENSIONS AND ELEVATIONS ARE APPROXIMATE, AND WILL BE UPDATED AS PROJECT DESIGN STUDIES CONTINUE. ALL CONCEPTS AND DETAILS, SUCH AS DIMENSIONS AND ELEVATIONS, DEFINED ON DRAWINGS WOULD REQUIRE FURTHER REFINEMENT DURING A SUBSEQUENT DESIGN PHASE.

- NOTES:**
1. TOPOGRAPHY FROM USGS 15 MINUTE DIGITAL ELEVATION MODEL FOR VALDEZ A-3, A-4, B-3 AND B-4, AK.
 2. SPATIAL REFERENCE: UTM ZONE 6, NAD83, FEET.
 3. VERTICAL DATUM IS NGVD.
 4. 10-FT CONTOUR INTERVAL WITH 50-FT INDEX CONTOURS.

COPPER VALLEY ELECTRIC ASSOCIATION
 TIEKEL RIVER RECONNAISSANCE

**SCENARIO 1B
 PLAN DETAIL**



JOB No: 10506419 | DATE: NOVEMBER 2015
 DRAWING No: **Exhibit 07 SKC-204**

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