



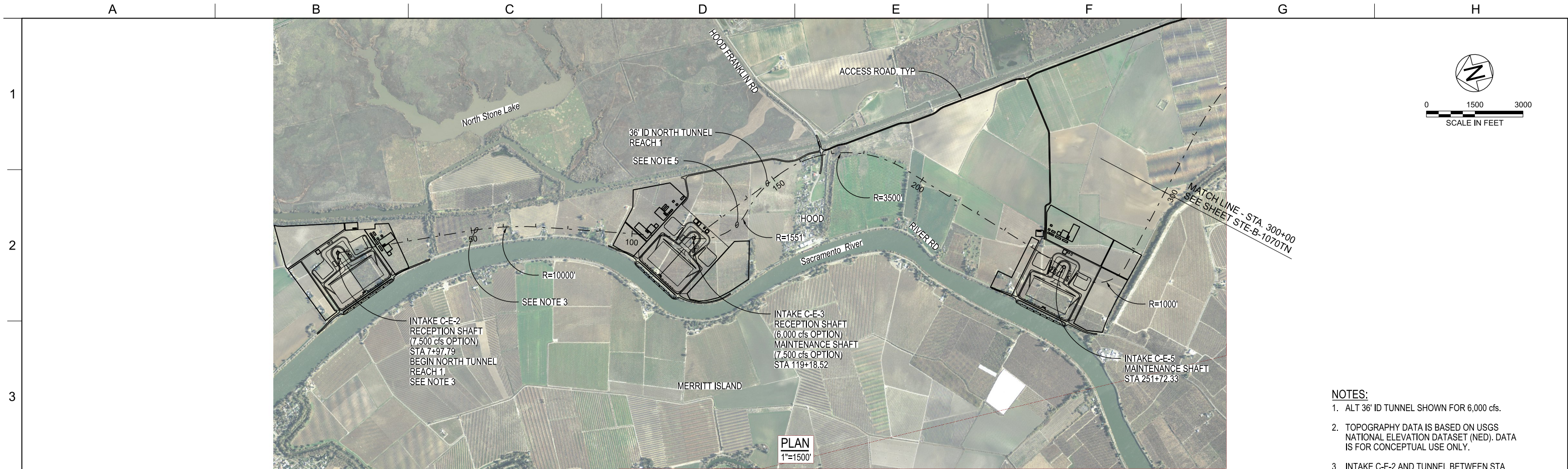
NOTES:

1. SITE PLAN FOR AQUEDUCT SECTION FROM BETHANY RESERVOIR PUMPING PLANT TO THE BETHANY RESERVOIR NOT SHOWN. SEE BETHANY RESERVOIR AQUEDUCT DRAWINGS FOR DETAILS.

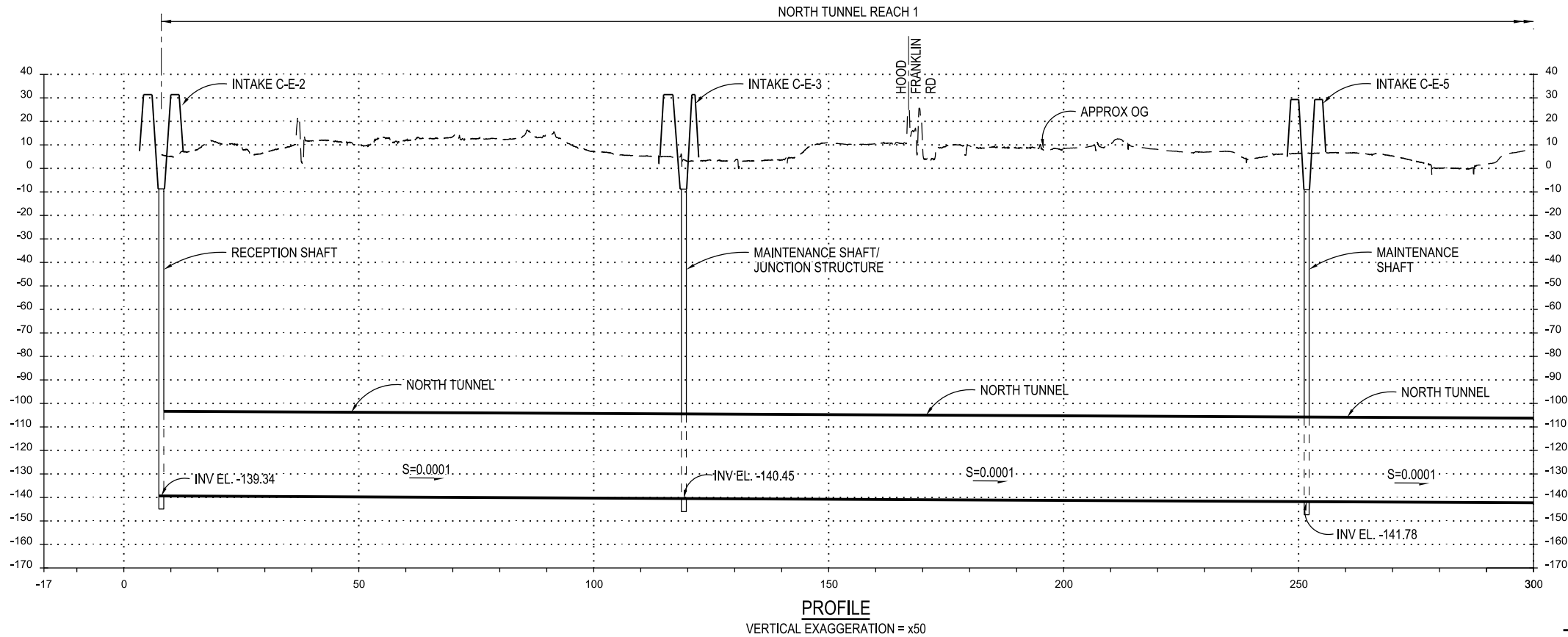
PLAN
1"=7000'

TUNNELS AND SHAFTS

				DESIGNED		APPROVAL RECOMMENDED			ENGINEERING PROJECT REPORT DELTA CONVEYANCE PROJECT SINGLE TUNNEL - BETHANY RESERVOIR ALTERNATIVE				PROJECT NO. W8X97000		
				MARTIN ELLIS									SHEET NO. STB-G-0010TN		
				DRAWN RUSSELL TORADO		APPROVAL BY									
				CHECKED STEVE DUBNEWYCH									REV		SEQUENCE NO.
12/23/2021		FINAL DRAFT BASELINE DRAWINGS										OVERALL SITE MAP			
REV	DATE	DESCRIPTION		SUB.	APPD										



- NOTES:**
1. ALT 36' ID TUNNEL SHOWN FOR 6,000 cfs.
 2. TOPOGRAPHY DATA IS BASED ON USGS NATIONAL ELEVATION DATASET (NED). DATA IS FOR CONCEPTUAL USE ONLY.
 3. INTAKE C-E-2 AND TUNNEL BETWEEN STA 13+00.64 AND 124+13.90 SHOWN ONLY FOR 7,500 cfs OPTION.
 4. SEE SHAFT SITE PLANS FOR DISTURBANCE LIMITS.
 5. CURVED SECTION TO BE USED FOR 7,500 cfs OPTION ONLY. LENGTH NOT REFLECTED IN PROFILE BELOW.



STB-C-1060TN_W8X97000.dgn

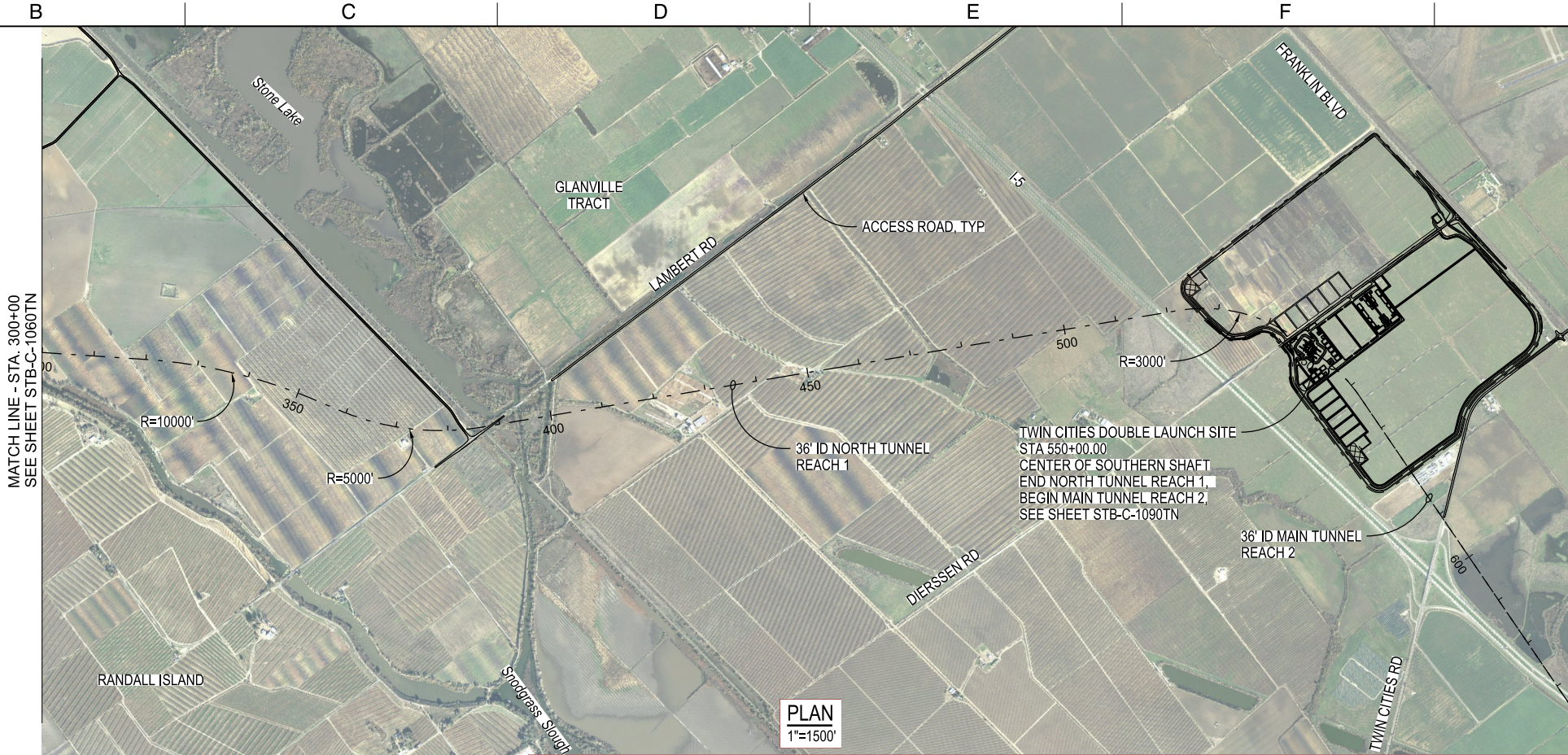
					DESIGNED
					MARTIN ELLIS
					DRAWN
					RUSSELL TORADO
					CHECKED
	12/23/2021	FINAL DRAFT BASELINE DRAWINGS			STEVE DUBNEWYCH
REV	DATE	DESCRIPTION	SUB.	APPD	

APPROVAL RECOMMENDED	
APPROVAL BY	

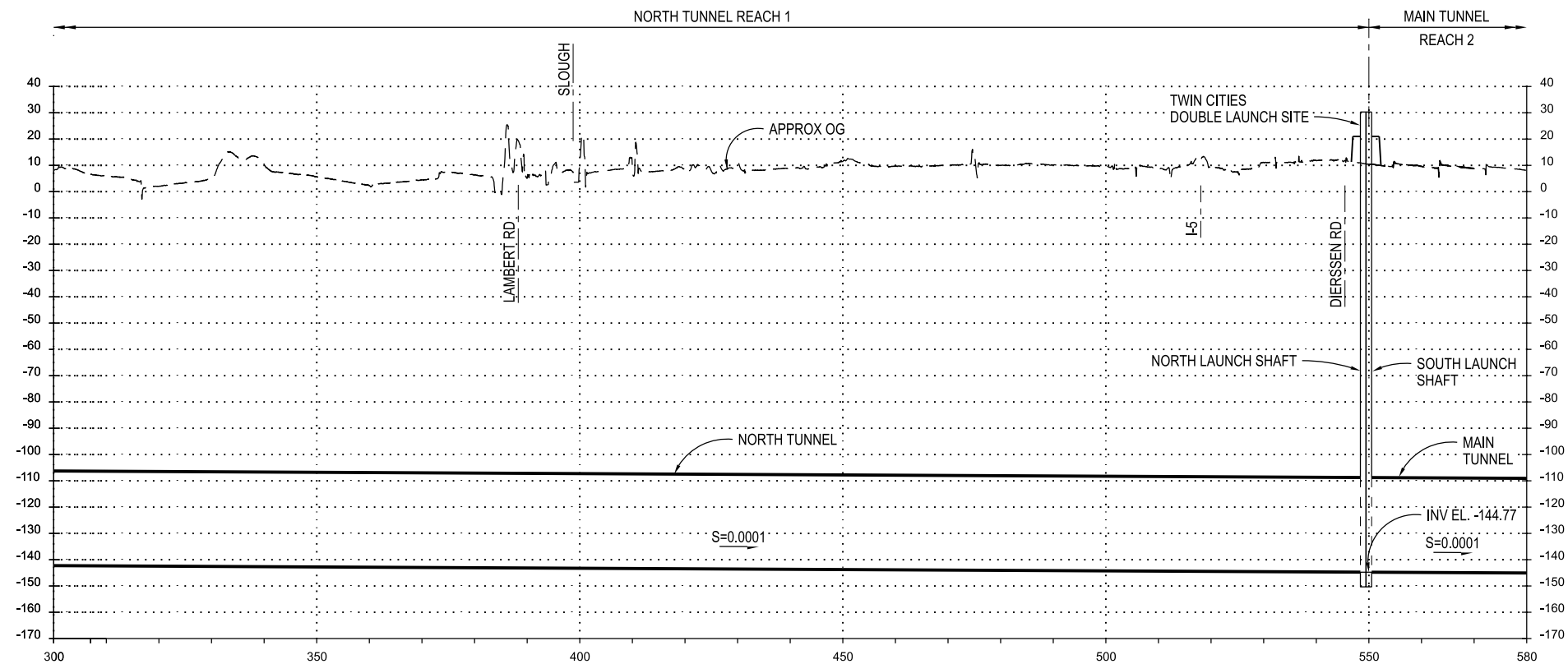


ENGINEERING PROJECT REPORT
DELTA CONVEYANCE PROJECT
SINGLE TUNNEL - BETHANY RESERVOIR ALTERNATIVE
NORTH TUNNEL
PLAN AND PROFILE - SHEET 1 OF 2

VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"	PROJECT NO. W8X97000
SHEET NO. STB-C-1060TN	REV SEQUENCE NO.



- NOTES:**
1. ALT 36" ID TUNNEL SHOWN FOR 6,000 cfs.
 2. TOPOGRAPHY DATA IS BASED ON USGS NATIONAL ELEVATION DATASET (NED). DATA IS FOR CONCEPTUAL USE ONLY.
 3. SEE SHAFT SITE PLANS FOR DISTURBANCE LIMITS.



TUNNELS AND SHAFTS

		DESIGNED	APPROVAL RECOMMENDED	
		MARTIN ELLIS		
		DRAWN	APPROVAL BY	
		RUSSELL TORADO		
		CHECKED		
		STEVE DUBNEWYCH		
REV	DATE	DESCRIPTION	SUB.	APPD
	12/23/2021	FINAL DRAFT BASELINE DRAWINGS		

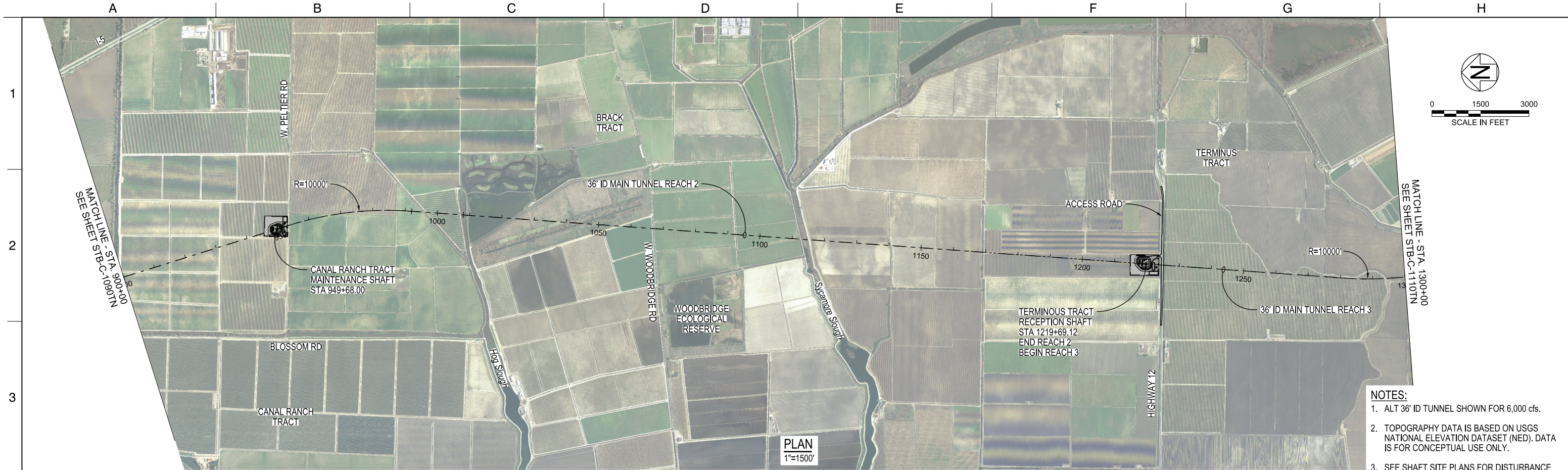


ENGINEERING PROJECT REPORT
DELTA CONVEYANCE PROJECT
SINGLE TUNNEL - BETHANY RESERVOIR ALTERNATIVE

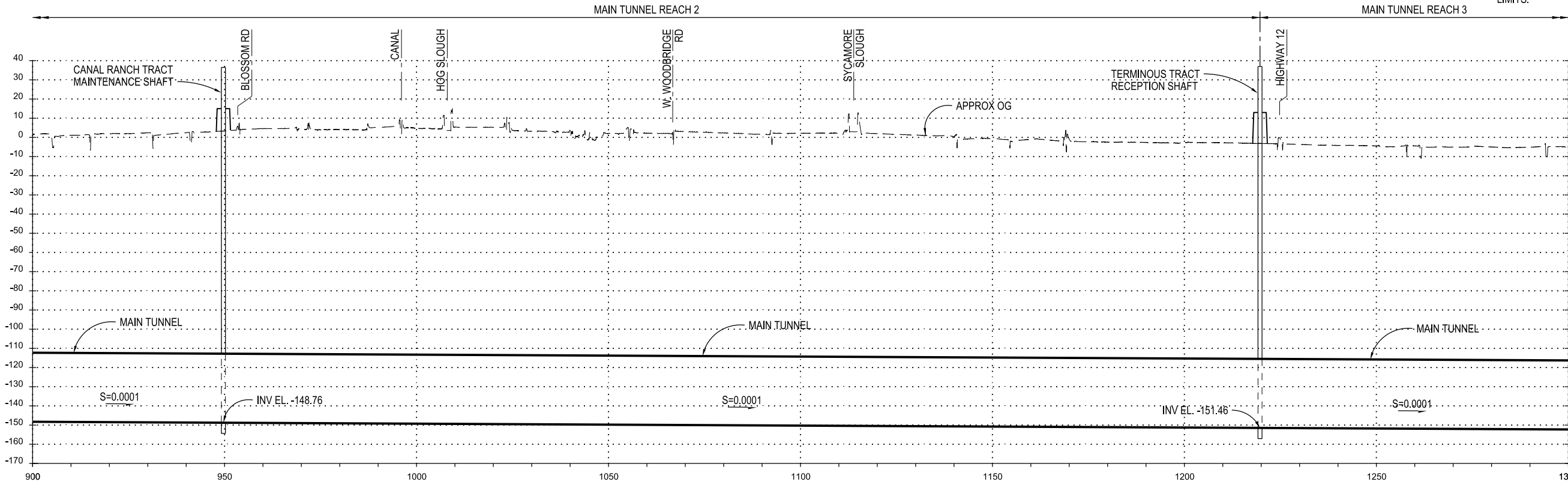
**NORTH TUNNEL
PLAN AND PROFILE - SHEET 2 OF 2**

VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING. 0' 1"	
PROJECT NO. W8X97000	
SHEET NO. STB-C-1070TN	
REV	SEQUENCE NO.

STB-C-1070TN_W8X97000.dgn



- NOTES:
1. ALT 36" ID TUNNEL SHOWN FOR 6,000 cfs.
 2. TOPOGRAPHY DATA IS BASED ON USGS NATIONAL ELEVATION DATASET (NED). DATA IS FOR CONCEPTUAL USE ONLY.
 3. SEE SHAFT SITE PLANS FOR DISTURBANCE LIMITS.



PROFILE
VERTICAL EXAGGERATION = x50

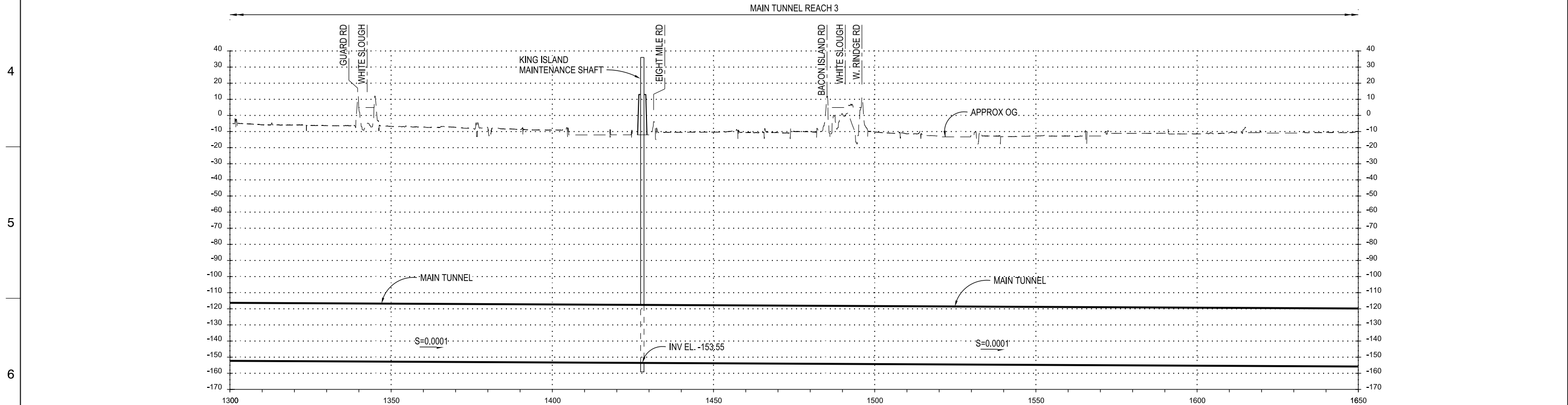
TUNNELS AND SHAFTS


DESIGNED		APPROVAL RECOMMENDED	
MARTIN ELLIS			
DRAWN		APPROVAL BY	
RUSSELL TORADO			
CHECKED			
STEVE DUBNEWYCH			
REV	DATE	DESCRIPTION	SUB, APPD



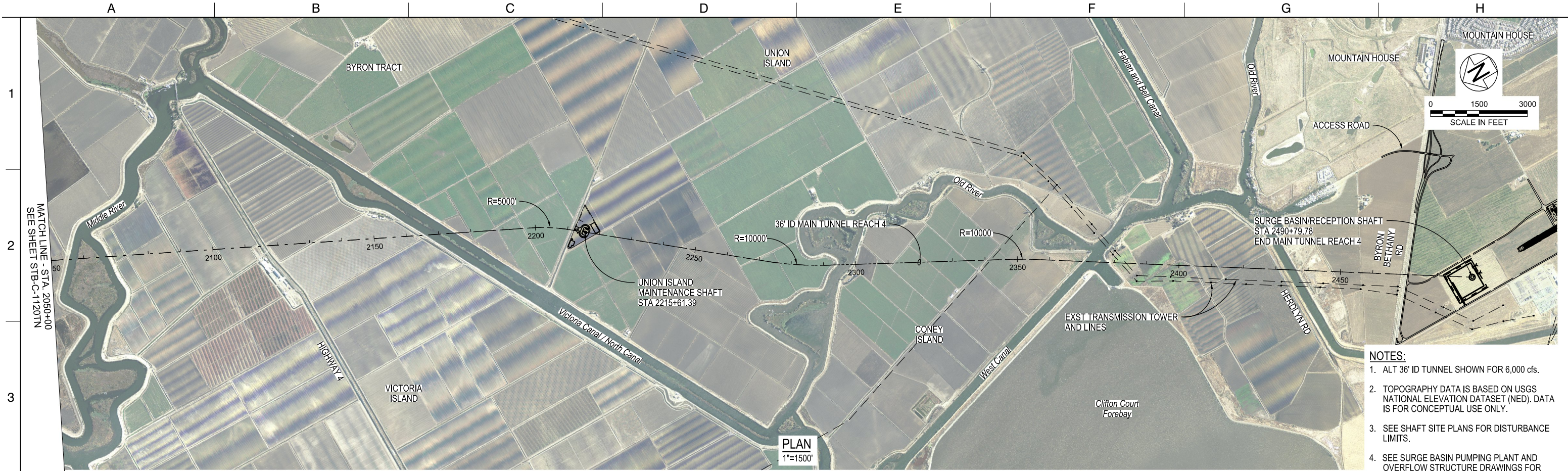
ENGINEERING PROJECT REPORT
DELTA CONVEYANCE PROJECT
SINGLE TUNNEL - BETHANY RESERVOIR ALTERNATIVE
MAIN TUNNEL PLAN AND PROFILE
SHEET 2 OF 5

VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"	
PROJECT NO. W8X97000	
SHEET NO. STB-C-1100TN	
REV	SEQUENCE NO.

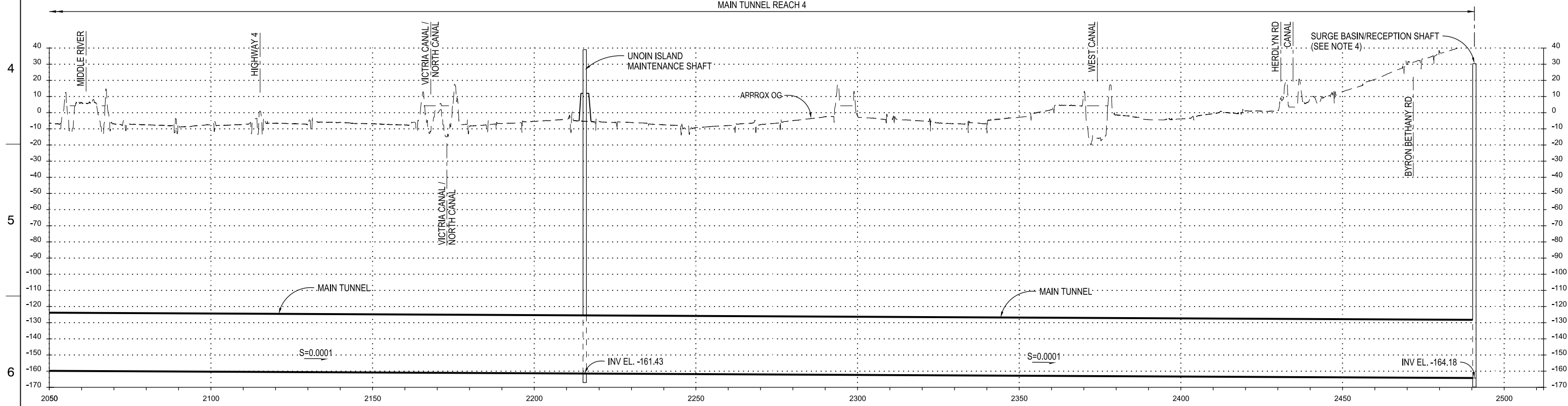


STB-C-1110TN_W8X97000.dgn		DESIGNED MARTIN ELLIS		APPROVAL RECOMMENDED		<div>DCA DELTA CONVEYANCE DESIGN & CONSTRUCTION AUTHORITY</div>		ENGINEERING PROJECT REPORT DELTA CONVEYANCE PROJECT SINGLE TUNNEL - BETHANY RESERVOIR ALTERNATIVE MAIN TUNNEL PLAN AND PROFILE SHEET 3 OF 5		VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING. 0' 1"	
		DRAWN RUSSELL TORADO		APPROVAL BY						PROJECT NO. W8X97000	
		CHECKED STEVE DUBNEWYCH								SHEET NO. STB-C-1110TN	
REV	DATE	DESCRIPTION	SUB.	APPD					REV	SEQUENCE NO.	
12/23/2021		FINAL DRAFT BASELINE DRAWINGS									

PLOT DATE:11/11/2021 PLOT TIME:12:13:04 PM



- NOTES:
1. ALT 36" ID TUNNEL SHOWN FOR 6,000 cfs.
 2. TOPOGRAPHY DATA IS BASED ON USGS NATIONAL ELEVATION DATASET (NED). DATA IS FOR CONCEPTUAL USE ONLY.
 3. SEE SHAFT SITE PLANS FOR DISTURBANCE LIMITS.
 4. SEE SURGE BASIN PUMPING PLANT AND OVERFLOW STRUCTURE DRAWINGS FOR RECEIVING SHAFT DETAILS.



PROFILE
VERTICAL EXAGGERATION = x50

TUNNELS AND SHAFTS

DESIGNED		APPROVAL RECOMMENDED	
MARTIN ELLIS			
DRAWN		APPROVAL BY	
RUSSELL TORADO			
CHECKED			
STEVE DUBNEWYCH			
REV	DATE	DESCRIPTION	SUB. APPD
	12/23/2021	FINAL DRAFT BASELINE DRAWINGS	



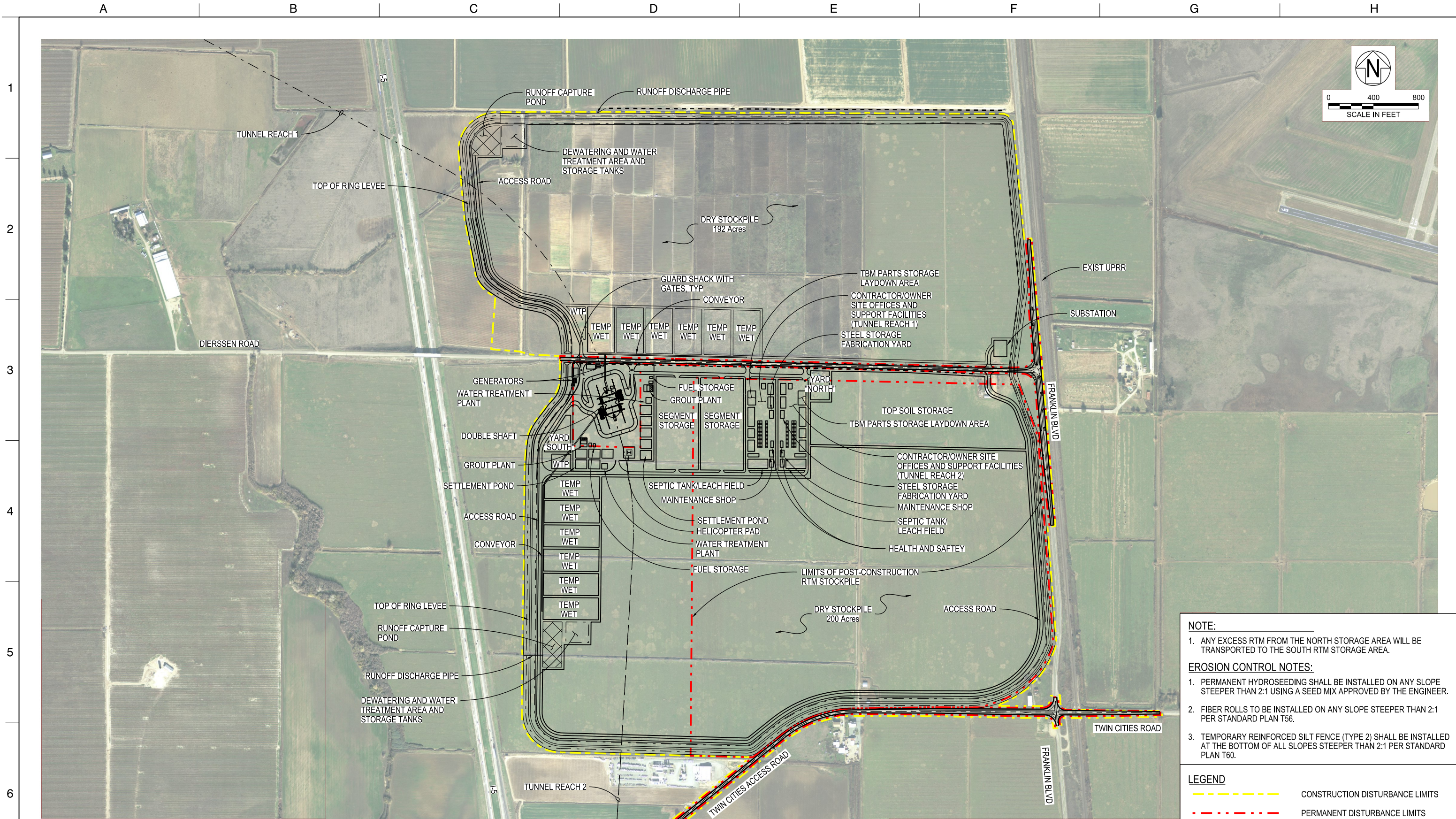
ENGINEERING PROJECT REPORT
DELTA CONVEYANCE PROJECT
SINGLE TUNNEL - BETHANY RESERVOIR ALTERNATIVE

MAIN TUNNEL PLAN AND PROFILE
SHEET 5 OF 5

VERIFY SCALE
BAR IS ONE INCH ON
ORIGINAL DRAWING.

PROJECT NO.	
W8X97000	
SHEET NO.	
STB-C-1130TN	
REV	SEQUENCE NO.

STB-C-1130TN_W8X97000.dgn



- NOTE:**
- ANY EXCESS RTM FROM THE NORTH STORAGE AREA WILL BE TRANSPORTED TO THE SOUTH RTM STORAGE AREA.
- EROSION CONTROL NOTES:**
- PERMANENT HYDROSEEDING SHALL BE INSTALLED ON ANY SLOPE STEEPER THAN 2:1 USING A SEED MIX APPROVED BY THE ENGINEER.
 - FIBER ROLLS TO BE INSTALLED ON ANY SLOPE STEEPER THAN 2:1 PER STANDARD PLAN T56.
 - TEMPORARY REINFORCED SILT FENCE (TYPE 2) SHALL BE INSTALLED AT THE BOTTOM OF ALL SLOPES STEEPER THAN 2:1 PER STANDARD PLAN T60.
- LEGEND**
- CONSTRUCTION DISTURBANCE LIMITS
 - PERMANENT DISTURBANCE LIMITS


PLAN
1"=400'

STB-C-1170TN_W8X97000.dgn

DESIGNED	MARTIN ELLIS	APPROVAL RECOMMENDED
DRAWN	RUSSELL TORADO	APPROVAL BY
CHECKED	STEVE DUBNEWYCH	
REV	DATE	DESCRIPTION
	12/23/2021	FINAL DRAFT BASELINE DRAWINGS

PLOT DATE:12/15/2021

PLOT TIME:7:06:11 PM



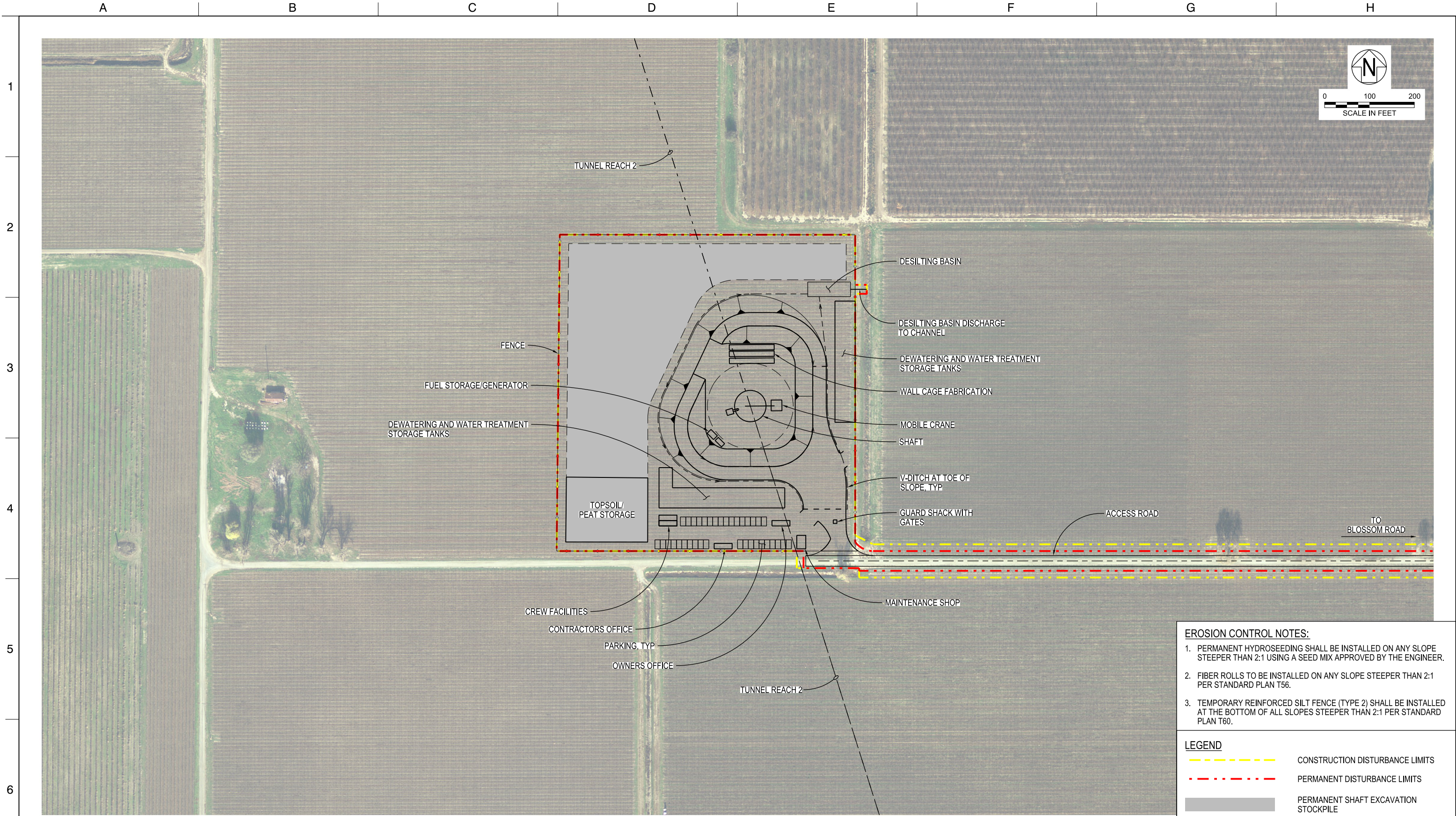
DELTA CONVEYANCE DESIGN
& CONSTRUCTION AUTHORITY

ENGINEERING PROJECT REPORT
DELTA CONVEYANCE PROJECT
SINGLE TUNNEL - BETHANY RESERVOIR ALTERNATIVE
TWIN CITIES DBL LAUNCH SHAFT SITE PLAN
DISTURBANCE LIMITS

TUNNELS AND SHAFTS

VERIFY SCALE
BAR IS ONE INCH ON
ORIGINAL DRAWING.
0 1"

PROJECT NO.	W8X97000
SHEET NO.	STB-C-1170TN
REV	SEQUENCE NO.



EROSION CONTROL NOTES:


1. PERMANENT HYDROSEEDING SHALL BE INSTALLED ON ANY SLOPE STEEPER THAN 2:1 USING A SEED MIX APPROVED BY THE ENGINEER.
2. FIBER ROLLS TO BE INSTALLED ON ANY SLOPE STEEPER THAN 2:1 PER STANDARD PLAN T56.
3. TEMPORARY REINFORCED SILT FENCE (TYPE 2) SHALL BE INSTALLED AT THE BOTTOM OF ALL SLOPES STEEPER THAN 2:1 PER STANDARD PLAN T60.

LEGEND

- CONSTRUCTION DISTURBANCE LIMITS
- PERMANENT DISTURBANCE LIMITS
- PERMANENT SHAFT EXCAVATION STOCKPILE

PLAN
1"=100'

STB-C-1180TN_W8X97000.dgn

						DESIGNED	APPROVAL RECOMMENDED		ENGINEERING PROJECT REPORT DELTA CONVEYANCE PROJECT SINGLE TUNNEL - BETHANY RESERVOIR ALTERNATIVE	PROJECT NO.
						MARTIN ELLIS				W8X97000
						DRAWN	APPROVAL BY			SHEET NO.
						RUSSELL TORADO				STB-C-1180TN
						CHECKED			REV	SEQUENCE NO.
						STEVE DUBNEWYCH				
12/23/2021		FINAL DRAFT BASELINE DRAWINGS							NEW HOPE TRACT MAINT SHAFT SITE PLAN DISTURBANCE LIMITS	
REV	DATE	DESCRIPTION			SUB.	APPD				

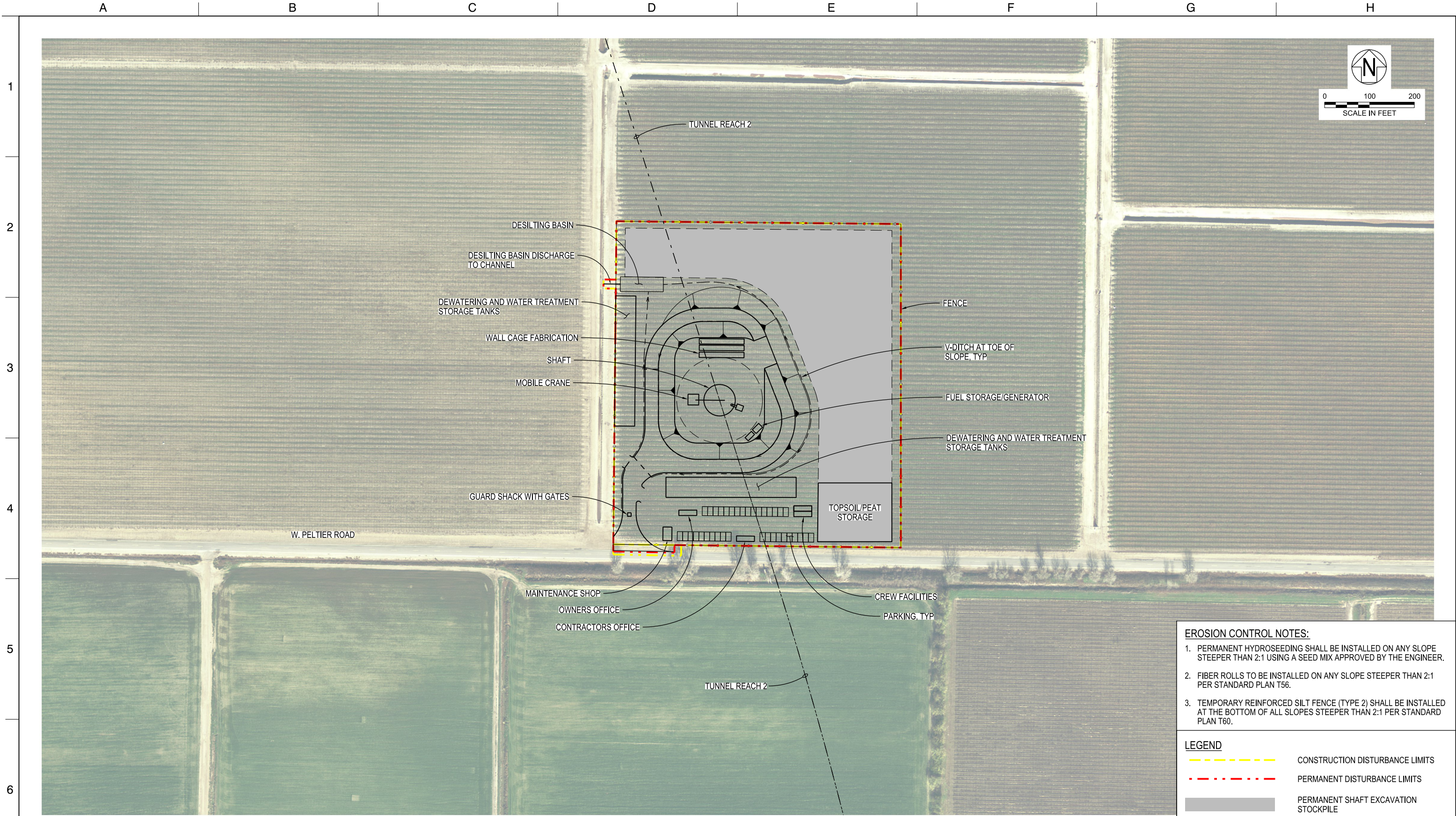
PLAN
1"=100'

TUNNELS AND SHAFTS

VERIFY SCALE
BAR IS ONE INCH ON
ORIGINAL DRAWING.
0' 1"

PLOT DATE:11/11/2021

PLOT TIME:12:09:17 PM



EROSION CONTROL NOTES:

- PERMANENT HYDROSEEDING SHALL BE INSTALLED ON ANY SLOPE STEEPER THAN 2:1 USING A SEED MIX APPROVED BY THE ENGINEER.
- FIBER ROLLS TO BE INSTALLED ON ANY SLOPE STEEPER THAN 2:1 PER STANDARD PLAN T56.
- TEMPORARY REINFORCED SILT FENCE (TYPE 2) SHALL BE INSTALLED AT THE BOTTOM OF ALL SLOPES STEEPER THAN 2:1 PER STANDARD PLAN T60.

LEGEND

CONSTRUCTION DISTURBANCE LIMITS

PERMANENT DISTURBANCE LIMITS

PERMANENT SHAFT EXCAVATION STOCKPILE

STB-C-1190TN_W8X97000.dgn

12/23/2021

FINAL DRAFT BASELINE DRAWINGS

DESIGNED

MARTIN ELLIS

DRAWN

RUSSELL TORADO

CHECKED

STEVE DUBNEWYCH

APPROVAL RECOMMENDED

APPROVAL BY

1"=100'

PLAN

DCA

DELTA CONVEYANCE DESIGN & CONSTRUCTION AUTHORITY

ENGINEERING PROJECT REPORT
DELTA CONVEYANCE PROJECT
SINGLE TUNNEL - BETHANY RESERVOIR ALTERNATIVE
CANAL RANCH TRACT MAINT SHAFT SITE PLAN
DISTURBANCE LIMITS

VERIFY SCALE
BAR IS ONE INCH ON
ORIGINAL DRAWING.
0' 1"

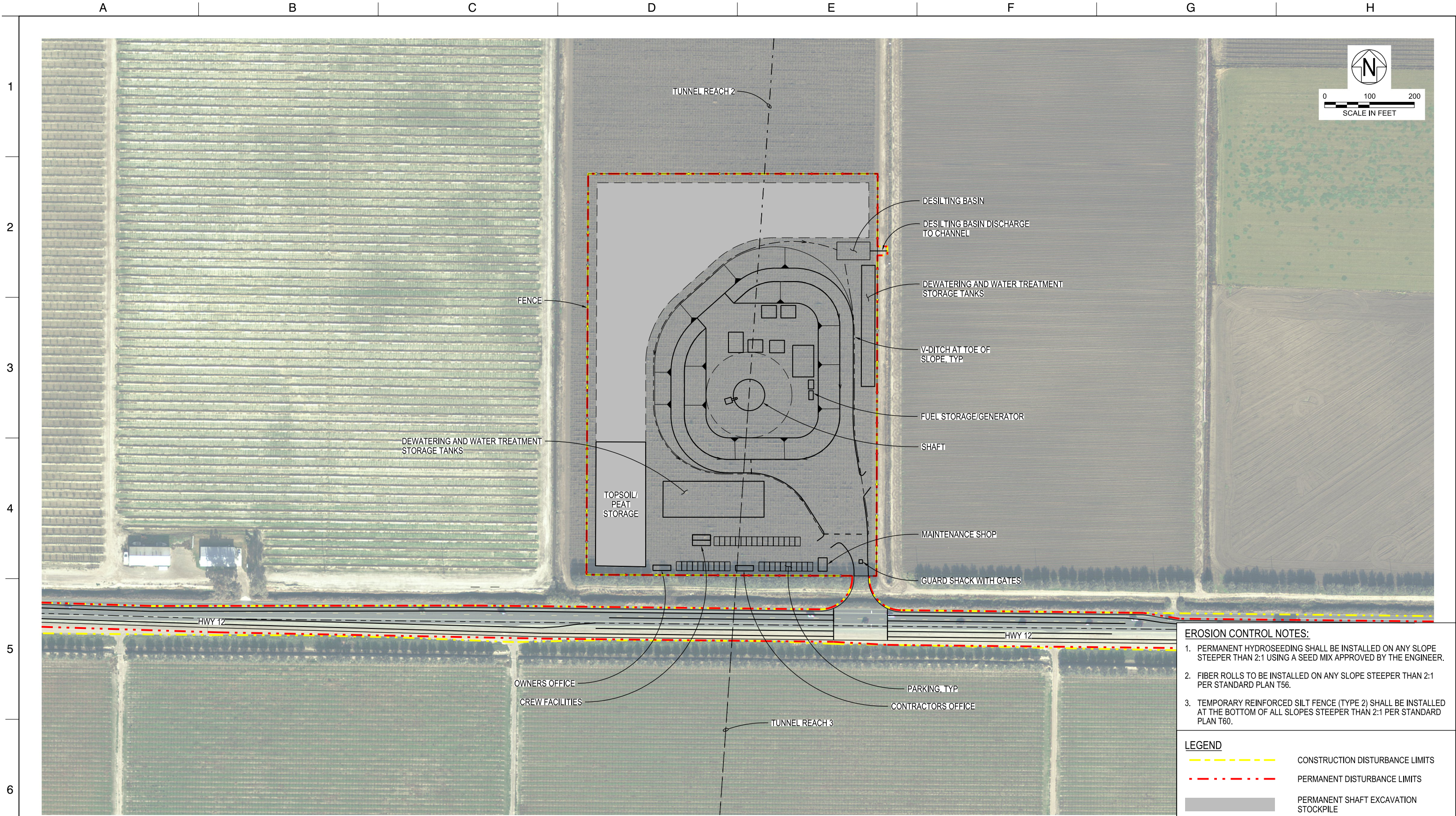
PROJECT NO.
W8X97000

SHEET NO.
STB-C-1190TN

REV
SEQUENCE NO.

PLOT DATE:11/11/2021

PLOT TIME:12:09:29 PM



EROSION CONTROL NOTES:

1. PERMANENT HYDROSEEDING SHALL BE INSTALLED ON ANY SLOPE STEEPER THAN 2:1 USING A SEED MIX APPROVED BY THE ENGINEER.

2. FIBER ROLLS TO BE INSTALLED ON ANY SLOPE STEEPER THAN 2:1 PER STANDARD PLAN T56.

3. TEMPORARY REINFORCED SILT FENCE (TYPE 2) SHALL BE INSTALLED AT THE BOTTOM OF ALL SLOPES STEEPER THAN 2:1 PER STANDARD PLAN T60.

LEGEND

CONSTRUCTION DISTURBANCE LIMITS

PERMANENT DISTURBANCE LIMITS

PERMANENT SHAFT EXCAVATION STOCKPILE

PLAN
1"=100'

STB-C-1200TN_W8X97000.dgn

		DESIGNED	APPROVAL RECOMMENDED	
		MARTIN ELLIS		
		DRAWN	APPROVAL BY	
		RUSSELL TORADO		
		CHECKED		
		STEVE DUBNEWYCH		
REV	DATE	DESCRIPTION	SUB.	APPD
	12/23/2021	FINAL DRAFT BASELINE DRAWINGS		



ENGINEERING PROJECT REPORT
DELTA CONVEYANCE PROJECT
SINGLE TUNNEL - BETHANY RESERVOIR ALTERNATIVE

**TERMINOUS TRACT RECEPTION SHAFT SITE PLAN
DISTURBANCE LIMITS**

VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING. 0' 1'	
PROJECT NO. W8X97000	
SHEET NO. STB-C-1200TN	
REV	SEQUENCE NO.



EROSION CONTROL NOTES:

1. PERMANENT HYDROSEEDING SHALL BE INSTALLED ON ANY SLOPE STEEPER THAN 2:1 USING A SEED MIX APPROVED BY THE ENGINEER.
2. FIBER ROLLS TO BE INSTALLED ON ANY SLOPE STEEPER THAN 2:1 PER STANDARD PLAN T56.
3. TEMPORARY REINFORCED SILT FENCE (TYPE 2) SHALL BE INSTALLED AT THE BOTTOM OF ALL SLOPES STEEPER THAN 2:1 PER STANDARD PLAN T60.

LEGEND

- CONSTRUCTION DISTURBANCE LIMITS
- - - PERMANENT DISTURBANCE LIMITS
- PERMANENT SHAFT EXCAVATION STOCKPILE

PLAN
1"=100'

		DESIGNED	APPROVAL RECOMMENDED	
		MARTIN ELLIS		
		DRAWN	APPROVAL BY	
		RUSSELL TORADO		
		CHECKED		
		STEVE DUBNEWYCH		
REV	DATE	DESCRIPTION	SUB.	APPD.
	12/23/2021	FINAL DRAFT BASELINE DRAWINGS		

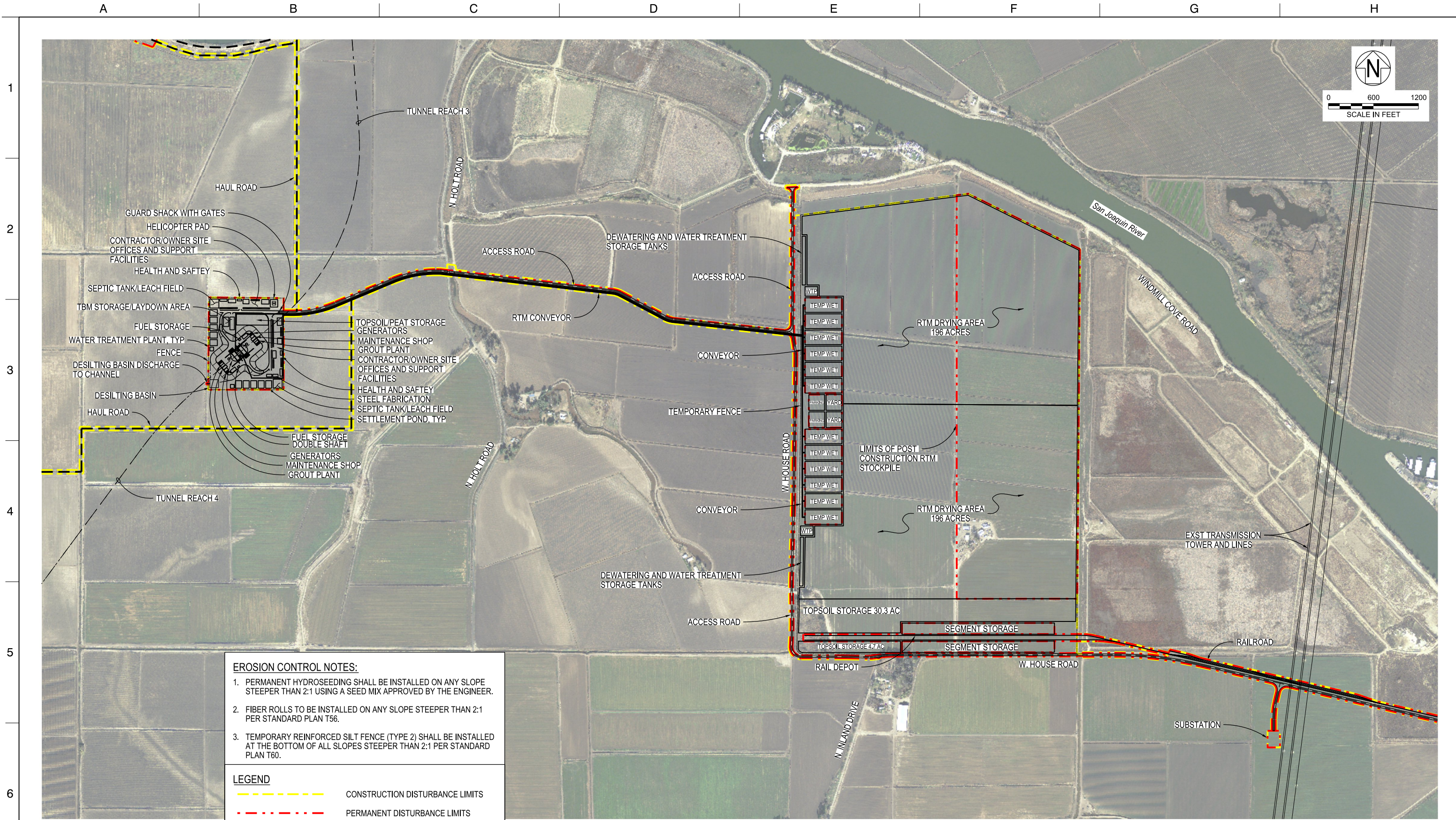


ENGINEERING PROJECT REPORT
DELTA CONVEYANCE PROJECT
SINGLE TUNNEL - BETHANY RESERVOIR ALTERNATIVE

**KING ISLAND MAINTENANCE SHAFT SITE PLAN
DISTURBANCE LIMITS**

VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1" 1"	
PROJECT NO. W8X97000	
SHEET NO. STB-C-1210TN	
REV	SEQUENCE NO.

STB-C-1210TN_W8X97000.dgn



EROSION CONTROL NOTES:

1. PERMANENT HYDROSEEDING SHALL BE INSTALLED ON ANY SLOPE STEEPER THAN 2:1 USING A SEED MIX APPROVED BY THE ENGINEER.
2. FIBER ROLLS TO BE INSTALLED ON ANY SLOPE STEEPER THAN 2:1 PER STANDARD PLAN T56.
3. TEMPORARY REINFORCED SILT FENCE (TYPE 2) SHALL BE INSTALLED AT THE BOTTOM OF ALL SLOPES STEEPER THAN 2:1 PER STANDARD PLAN T60.

LEGEND

---	CONSTRUCTION DISTURBANCE LIMITS
- - -	PERMANENT DISTURBANCE LIMITS

PLAN
1"=600'

STB-C-1220TN_W8X97000.dgn

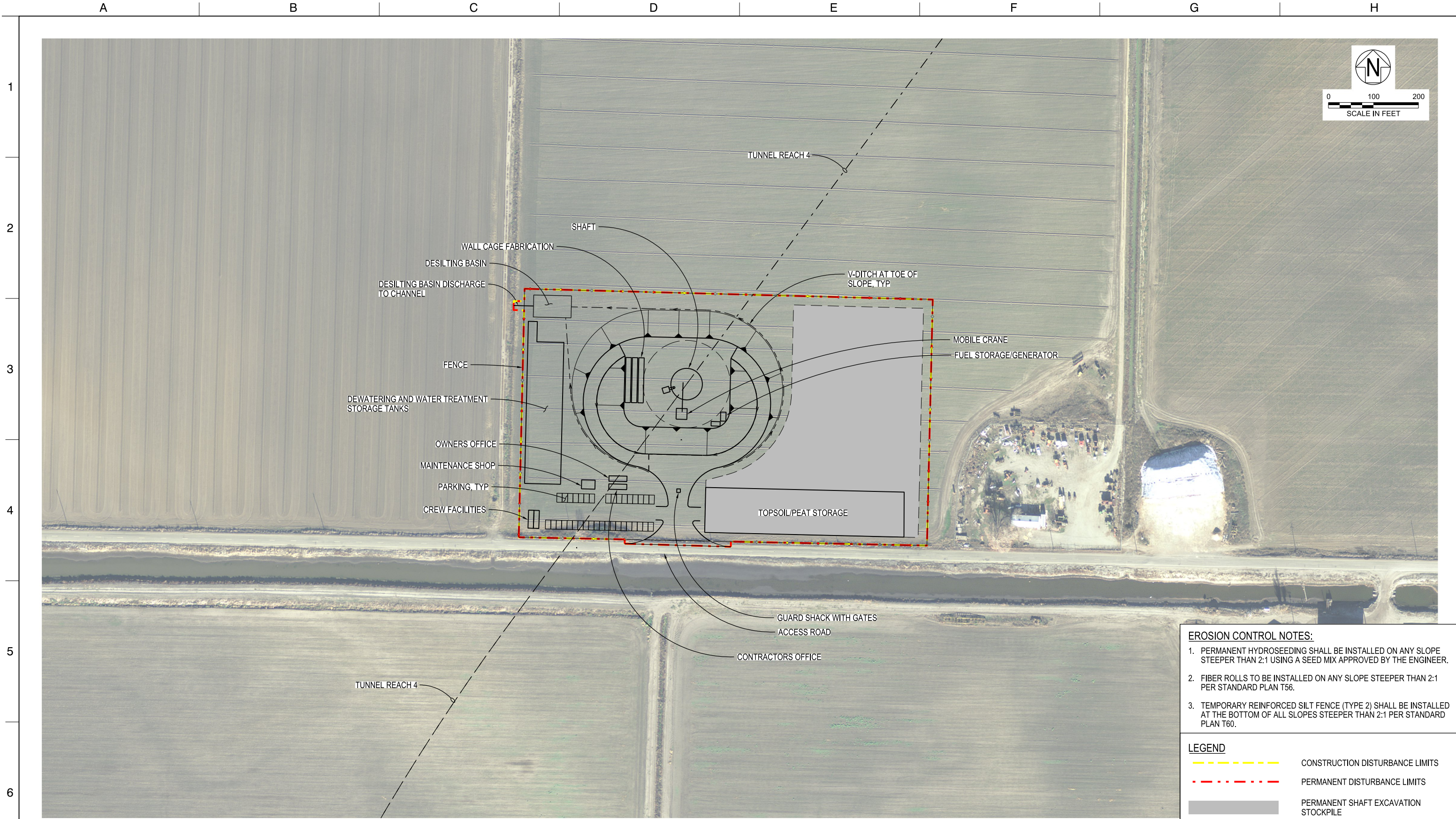
		DESIGNED	APPROVAL RECOMMENDED	
		MARTIN ELLIS		
		DRAWN	APPROVAL BY	
		RUSSELL TORADO		
		CHECKED		
		STEVE DUBNEWYCH		
REV	DATE	DESCRIPTION	SUB.	APPD
	12/23/2021	FINAL DRAFT BASELINE DRAWINGS		



ENGINEERING PROJECT REPORT
DELTA CONVEYANCE PROJECT
SINGLE TUNNEL - BETHANY RESERVOIR ALTERNATIVE
**LOWER ROBERTS IS. DOUBLE LAUNCH SITE PLAN
DISTURBANCE LIMITS**

TUNNELS AND SHAFTS

VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1 2	
PROJECT NO.	W8X97000
SHEET NO.	STB-C-1220TN
REV	SEQUENCE NO.

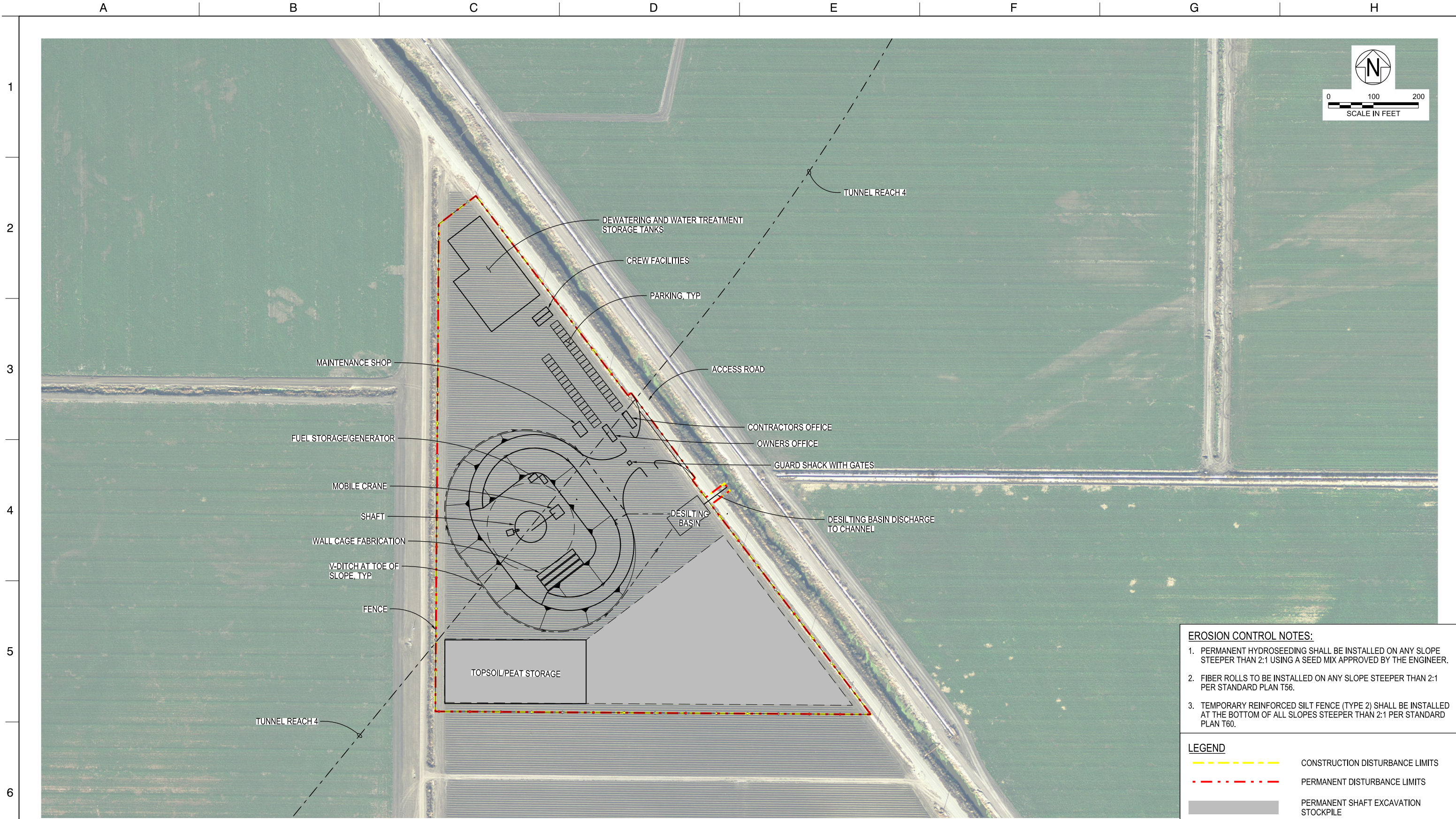


EROSION CONTROL NOTES:

- PERMANENT HYDROSEEDING SHALL BE INSTALLED ON ANY SLOPE STEEPER THAN 2:1 USING A SEED MIX APPROVED BY THE ENGINEER.
- FIBER ROLLS TO BE INSTALLED ON ANY SLOPE STEEPER THAN 2:1 PER STANDARD PLAN T56.
- TEMPORARY REINFORCED SILT FENCE (TYPE 2) SHALL BE INSTALLED AT THE BOTTOM OF ALL SLOPES STEEPER THAN 2:1 PER STANDARD PLAN T60.

LEGEND

	CONSTRUCTION DISTURBANCE LIMITS
	PERMANENT DISTURBANCE LIMITS
	PERMANENT SHAFT EXCAVATION STOCKPILE



EROSION CONTROL NOTES:

- PERMANENT HYDROSEEDING SHALL BE INSTALLED ON ANY SLOPE STEEPER THAN 2:1 USING A SEED MIX APPROVED BY THE ENGINEER.
- FIBER ROLLS TO BE INSTALLED ON ANY SLOPE STEEPER THAN 2:1 PER STANDARD PLAN T56.
- TEMPORARY REINFORCED SILT FENCE (TYPE 2) SHALL BE INSTALLED AT THE BOTTOM OF ALL SLOPES STEEPER THAN 2:1 PER STANDARD PLAN T60.

LEGEND

- CONSTRUCTION DISTURBANCE LIMITS
- PERMANENT DISTURBANCE LIMITS
- PERMANENT SHAFT EXCAVATION STOCKPILE

PLAN
1"=100'

STB-C-1240TN_W8X97000.dgn

		DESIGNED	APPROVAL RECOMMENDED	
		MARTIN ELLIS		
		DRAWN	APPROVAL BY	
		RUSSELL TORADO		
		CHECKED		
		STEVE DUBNEWYCH		
REV	DATE	DESCRIPTION	SUB.	APPD
	12/23/2021	FINAL DRAFT BASELINE DRAWINGS		



ENGINEERING PROJECT REPORT
DELTA CONVEYANCE PROJECT
SINGLE TUNNEL - BETHANY RESERVOIR ALTERNATIVE
**UNION ISLAND MAINTENANCE SHAFT SITE PLAN
DISTURBANCE LIMITS**

TUNNELS AND SHAFTS

VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"	
PROJECT NO. W8X97000	
SHEET NO. STB-C-1240TN	
REV	SEQUENCE NO.



- | SHAFT LOCATION | SHAFT TYPE | FINISHED
INSIDE DIA.
(FEET) | DEPTH*
(FEET) |
|-------------------------|---------------|-----------------------------------|------------------|
| TWIN CITIES | DOUBLE LAUNCH | SEE NOTE 8 | SEE NOTE 8 |
| NEW HOPE TRACT | MAINTENANCE | 70 | 171 |
| CANAL RANCH TRACT | MAINTENANCE | 70 | 169 |
| TERMINOUS TRACT | RECEIVING | 70 | 169 |
| KING ISLAND | MAINTENANCE | 70 | 172 |
| LOWER ROBERTS
ISLAND | DOUBLE LAUNCH | SEE NOTE 8 | SEE NOTE 8 |
| UPPER JONES TRACT | MAINTENANCE | 70 | 177 |
| UNION ISLAND | MAINTENANCE | 70 | 178 |
| SURGE BASIN** | RECEIVING | 120 | 209*** |

***DEPTH FROM GROUND SURFACE PRIOR TO BEING MODIFIED

					DESIGNED	APPROVAL RECOMMENDED
					MARTIN ELLIS	
					DRAWN	APPROVAL BY
					RUSSELL TORADO	
					CHECKED	
	12/23/2021	FINAL DRAFT BASELINE DRAWINGS			STEVE DUBNEWYCH	
REV	DATE	DESCRIPTION	SUB.	APPD		



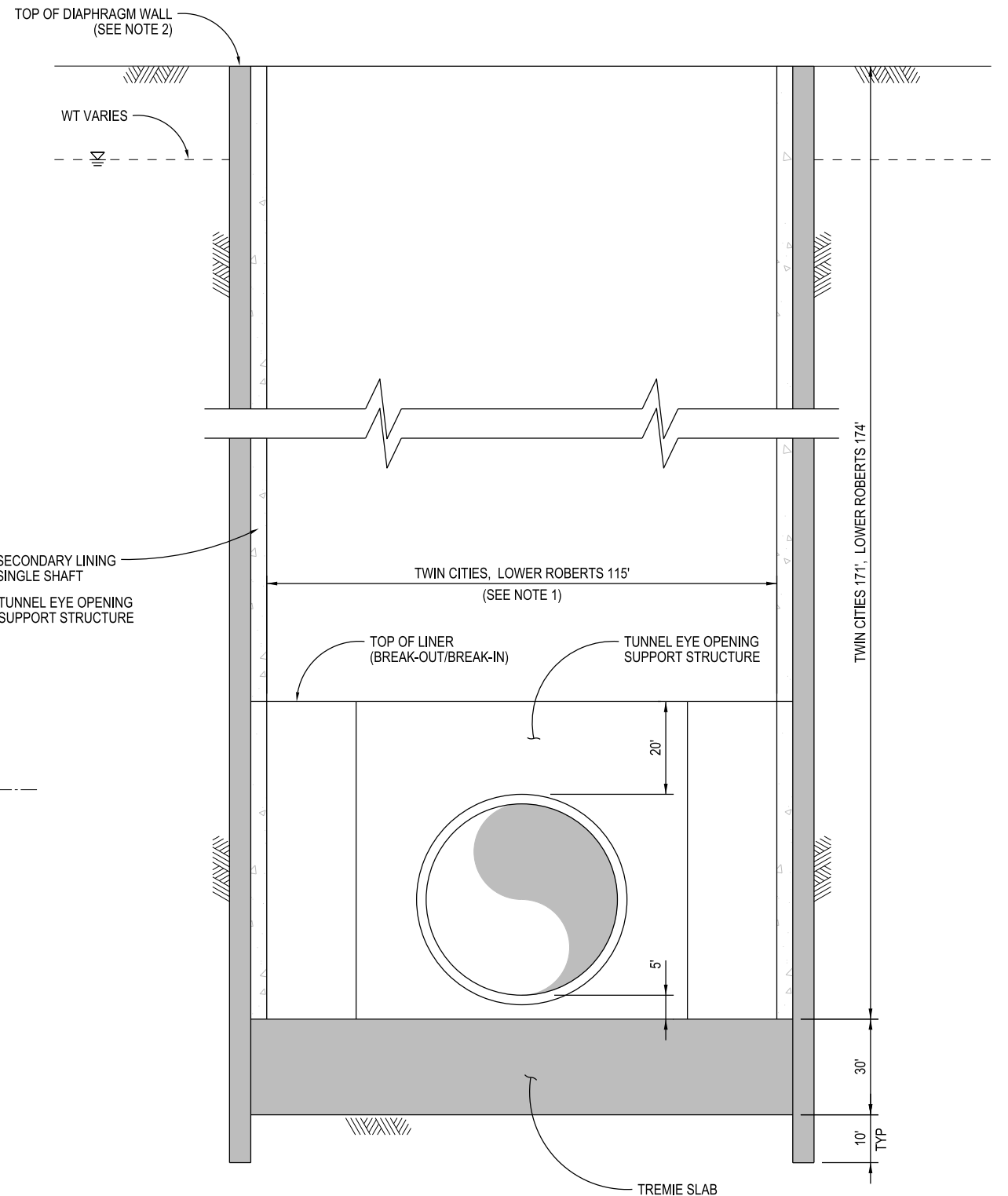
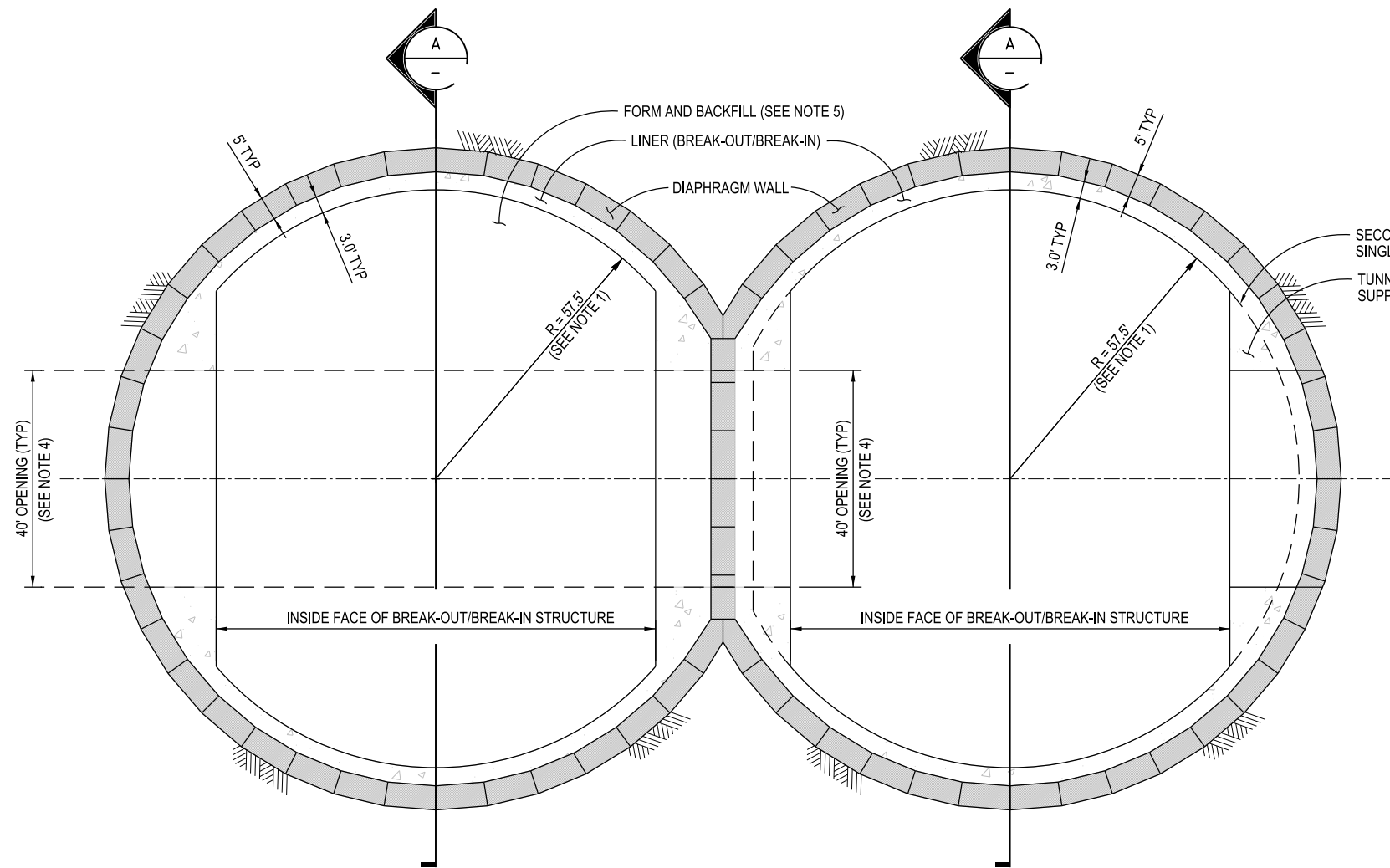
ENGINEERING PROJECT REPORT
DELTA CONVEYANCE PROJECT
SINGLE TUNNEL - BETHANY RESERVOIR ALTERNATIVE

**SINGLE LAUNCH, RECEPTION, WORKING AND
MAINTENANCE SHAFTS - PLAN AND SECTION**

VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING. 0 [REDACTED] 1"	
PROJECT NO. W8X97000	
SHEET NO. STB-S-5170TN	
EV	SEQUENCE NO.

NOTES:

1. THE FINISHED INSIDE DIAMETER OF THE SHAFTS IS MEASURED FROM THE INSIDE FACE OF THE LINER.
2. SHAFT PAD/COVER NOT SHOWN FOR CLARITY, FINISHED GRADE LEVELS SHOWN ON DRAWING STC-S-5160TN.
3. SEE INTAKE DRAWINGS FOR SHAFT DETAILS AT INTAKES 2, 3 AND 5.
4. TUNNEL EYE OPENING SIZE WOULD MATCH EXTERNAL SIZE OF TBM.
5. ONLY FORM AND BACKFILL SOUTH SHAFT AT LOWER ROBERTS ISLAND. BOTH SHAFTS AT TWIN CITIES SITE WILL NOT BE BACKFILLED.



TUNNELS AND SHAFTS

				DESIGNED	APPROVAL RECOMMENDED
				MARTIN ELLIS	
				DRAWN	APPROVAL BY
				RUSSELL TORADO	
				CHECKED	
				STEVE DUBNEWYCH	
REV	DATE	DESCRIPTION	SUB.	APPD	

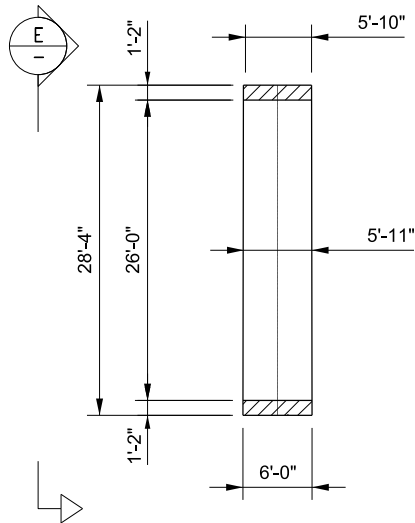


ENGINEERING PROJECT REPORT		PROJECT NO.
DELTA CONVEYANCE PROJECT		W8X97000
SINGLE TUNNEL - BETHANY RESERVOIR ALTERNATIVE		SHEET NO.
TWIN CITIES/LOWER ROBERTS DBL LAUNCH SHAFT		STB-S-5180TN
PLAN AND SECTION		REV
		SEQUENCE NO.

VERIFY SCALE
BAR IS ONE INCH ON
ORIGINAL DRAWING.
0 1'

NOTES:

1. FOR AQUEDUCT TUNNELS GROUND SUPPORT AND FINAL LINING DETAILS REFER TO BETHANY RESERVOIR ADUEDUCT DRAWINGS.

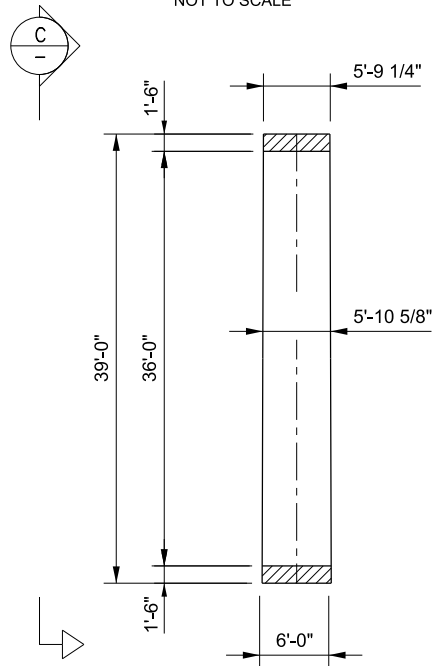


NOTES:

1. TAPER +/- 2.0" CORRESPONDING TO A MINIMUM CURVATURE RADIUS OF 1000 FEET.

SECTION F

1 26' DIA. MAIN TUNNEL LINING DETAIL PROJECT CAPACITY FOR 3,000 CFS OPTION
NOT TO SCALE

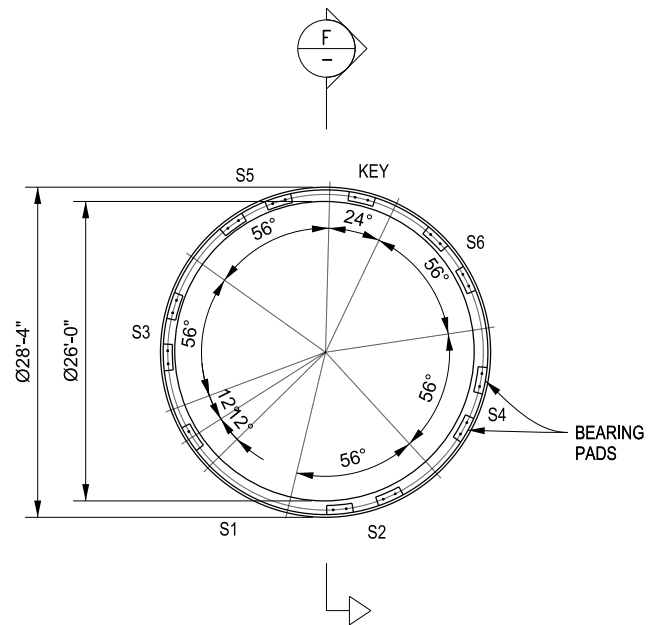


NOTES:

1. TAPER +/- 2.75" CORRESPONDING TO A MINIMUM CURVATURE RADIUS OF 1000 FEET.

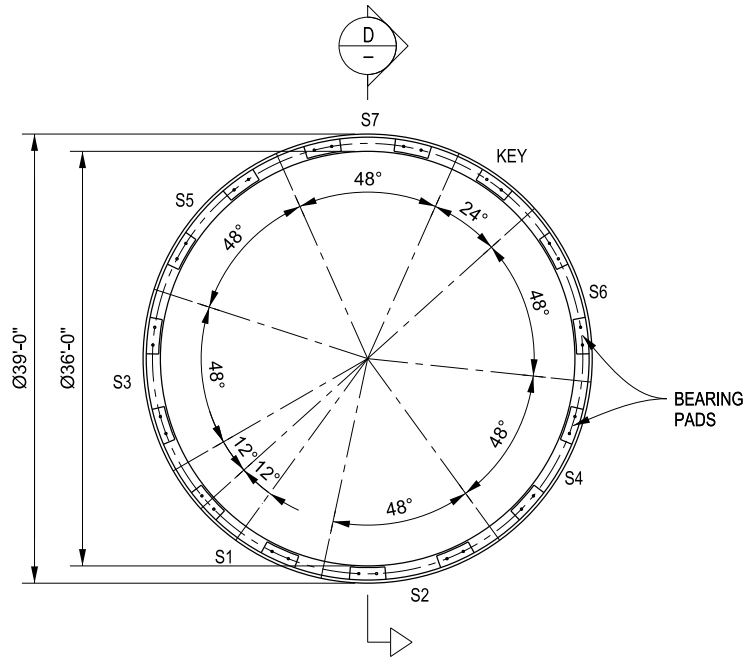
SECTION D

3 36' DIA. MAIN TUNNEL LINING DETAIL PROJECT CAPACITY FOR 6,000 CFS OPTION
NOT TO SCALE



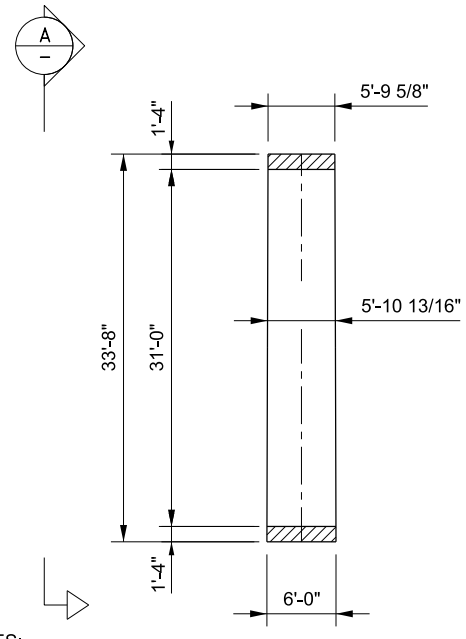
VIEW FROM TUNNEL FACE
TOWARDS TUNNEL

ELEVATION E



VIEW FROM TUNNEL FACE
TOWARDS TUNNEL

ELEVATION C

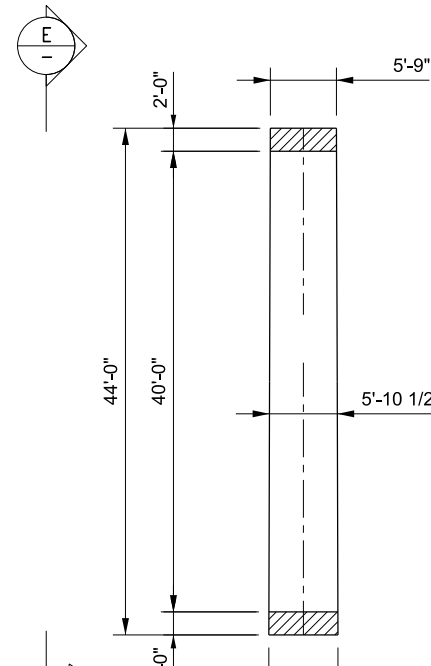


NOTES:

1. TAPER +/- 2.38" CORRESPONDING TO A MINIMUM CURVATURE RADIUS OF 1000 FEET.

SECTION B

2 31' DIA. MAIN TUNNEL LINING DETAIL PROJECT CAPACITY FOR 4,500 CFS OPTION
NOT TO SCALE

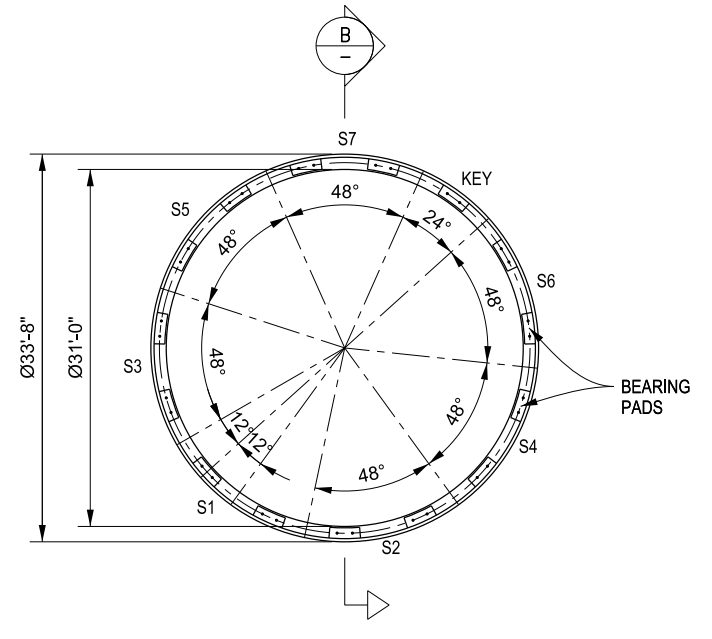


NOTES:

1. TAPER +/- 3.0" CORRESPONDING TO A MINIMUM CURVATURE RADIUS OF 1000 FEET.

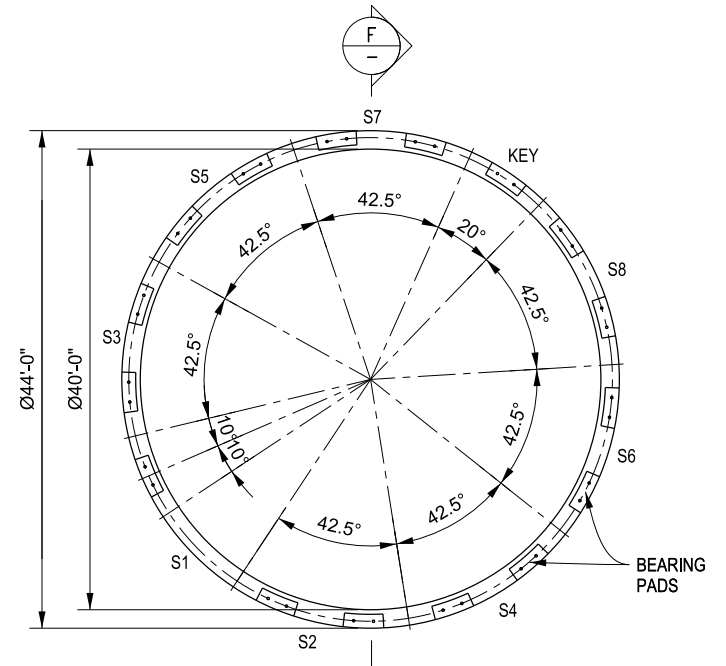
SECTION F

4 40' DIA. MAIN TUNNEL LINING DETAIL PROJECT CAPACITY FOR 7,500 CFS OPTION
NOT TO SCALE



VIEW FROM TUNNEL FACE
TOWARDS TUNNEL

ELEVATION A



VIEW FROM TUNNEL FACE
TOWARDS TUNNEL

ELEVATION E

DESIGNED	MARTIN ELLIS	APPROVAL RECOMMENDED
DRAWN	JUNE KASHIWADA	APPROVAL BY
CHECKED	STEVE DUBNEWYCH	
REV	DATE	DESCRIPTION
	12/23/2021	FINAL DRAFT BASELINE DRAWINGS



ENGINEERING PROJECT REPORT
DELTA CONVEYANCE PROJECT
SINGLE TUNNEL - BETHANY RESERVOIR ALTERNATIVE

MAIN TUNNELS
SEGMENT LINING OPTIONS

VERIFY SCALE
BAR IS ONE INCH ON
ORIGINAL DRAWING.

PROJECT NO.
W8X97000

SHEET NO.
STB-S-5190TN

REV SEQUENCE NO.

STB-S-5190TN_W8X97000.dgn