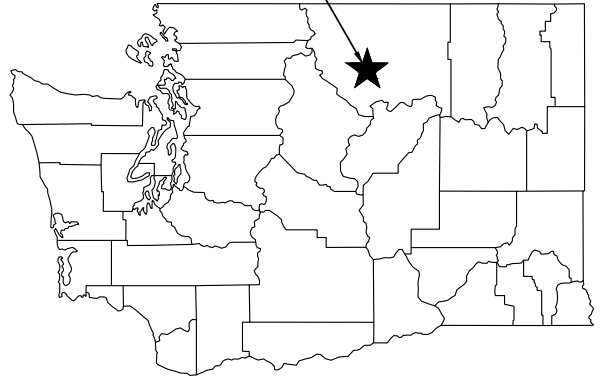
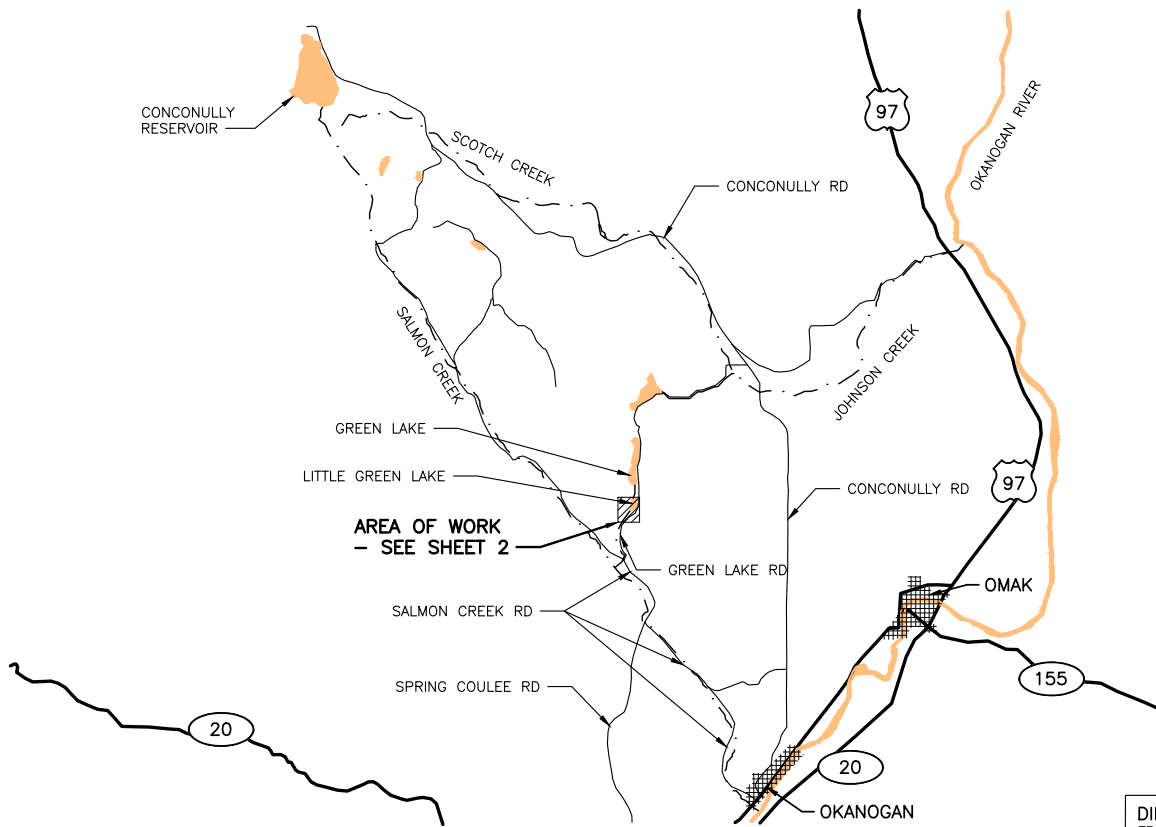




SCOTCH CREEK WLA
PROJECT LOCATION



STATE MAP
NOT TO SCALE



AREA OF WORK
- SEE SHEET 2

VICINITY MAP
NOT TO SCALE

DIRECTIONS
FROM THE CITY OF OKANOGAN HEAD
NW ON TYEE ST FROM 2ND AVE S.
TURN LEFT ONTO 5TH AVE S THEN
TURN RIGHT ONTO MILL ST. AFTER .5
MILES CONTINUE ONTO SALMON CREEK
RD FOR 3.5 MILES. TURN RIGHT TO
STAY ON SALMON CREEK FOR 1.4
MILES. TURN RIGHT ON GREEN LAKE
RD. CONTINUE FOR 1.1 MILES.
DESTINATION IS ON THE LEFT.

ENG. PROJECT NO. ON:R115:2021-1

PORTION OF: S24, T34N, R25E, W.M.

DRAWN BY: S. GOODWIN

REFERENCE NUMBER:

APPLICANT:

WASHINGTON DEPT. of FISH & WILDLIFE
600 CAPITOL WAY N.
OLYMPIA, WA 98501-1091

ADJACENT PROPERTY OWNER:

- 1. PRIVATE
- 2. PRIVATE

PROJECT LOCATION (ADDRESS):

LITTLE GREEN LAKE
1514 CONCONULLY HWY
OKANOGAN, WA 98840

LAT/LONG: **48.4348972, -119.6311917**

DATUM: **NAVD 88, NAD 83/11**

SHEET **1** OF **9** DATE: **01/14/2022**

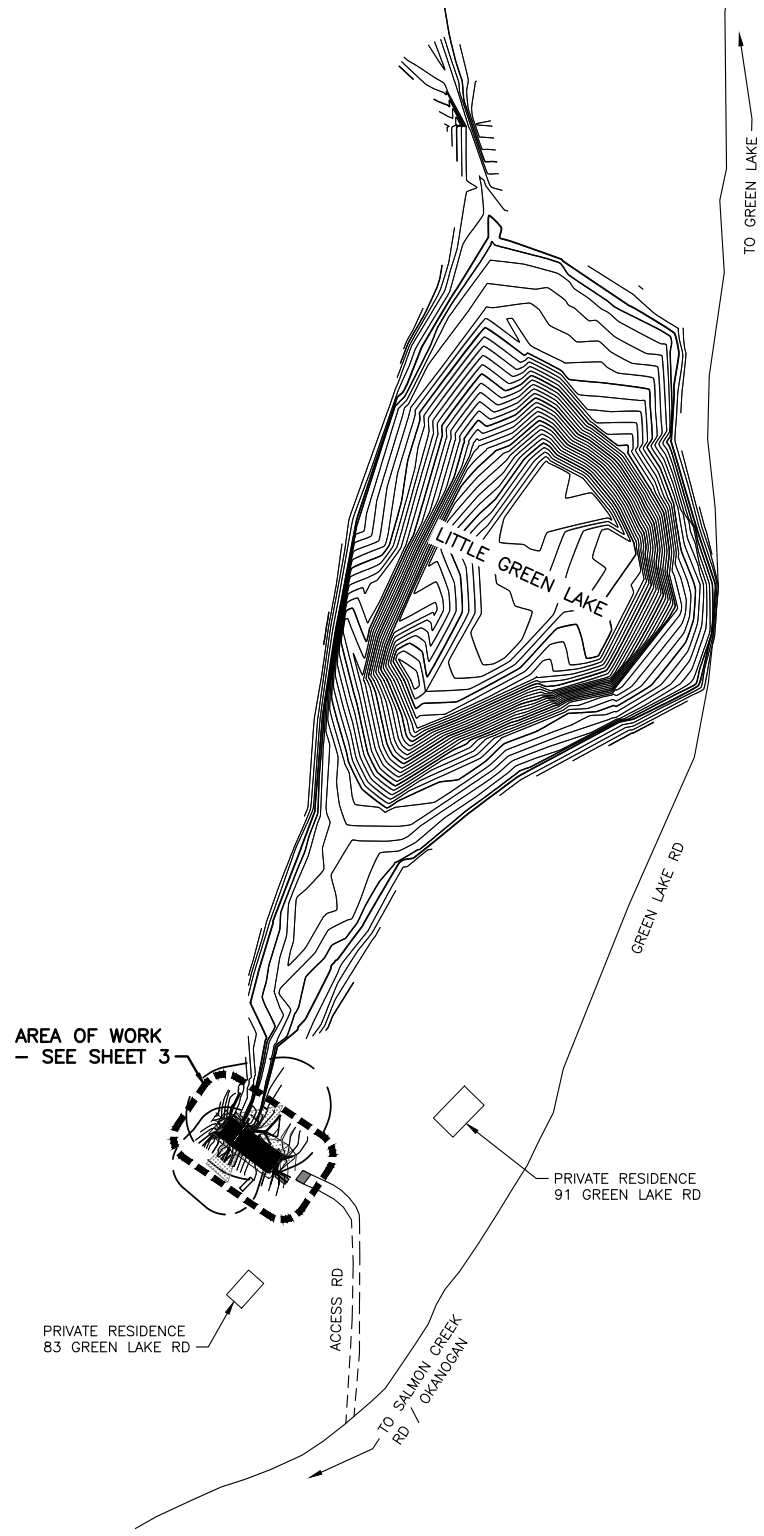
PROPOSED PROJECT:

SCOTCH CREEK WLA - POGUE MTN UNIT
LITTLE GREEN LAKE DAM
DAM SAFETY REPAIRS
IN: **LITTLE GREEN LAKE**

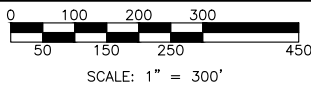
NEAR/AT: **OKANOGAN**

COUNTY: **OKANOGAN**

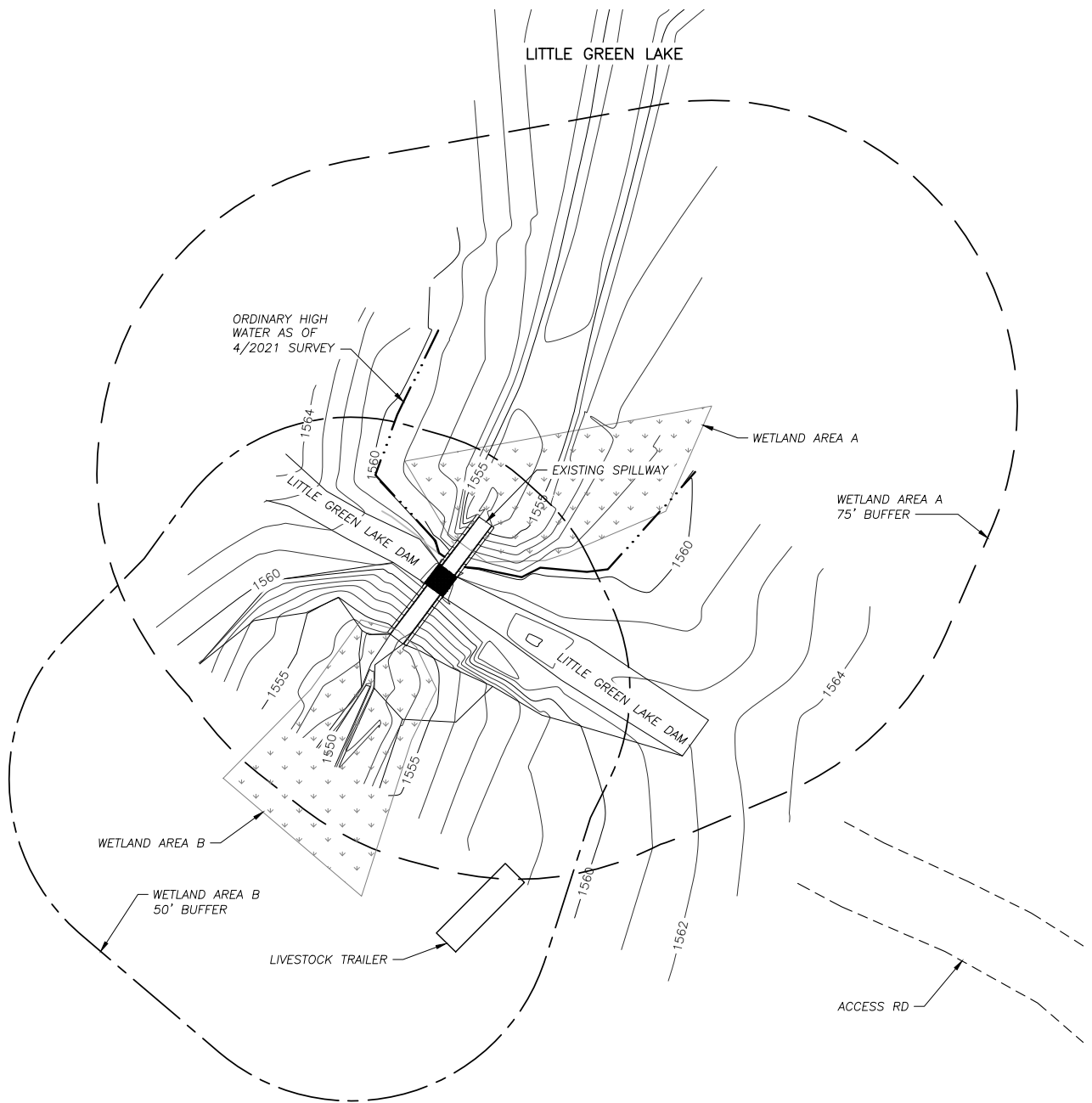
STATE: **WA**



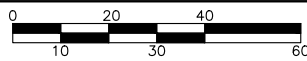
OVERALL SITE PLAN



REFERENCE NUMBER: -----
APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
PROPOSED PROJECT:
DAM SAFETY REPAIRS
LOCATION: LITTLE GREEN LAKE DAM
SHEET 2 OF 9 DATE: 01/14/2022

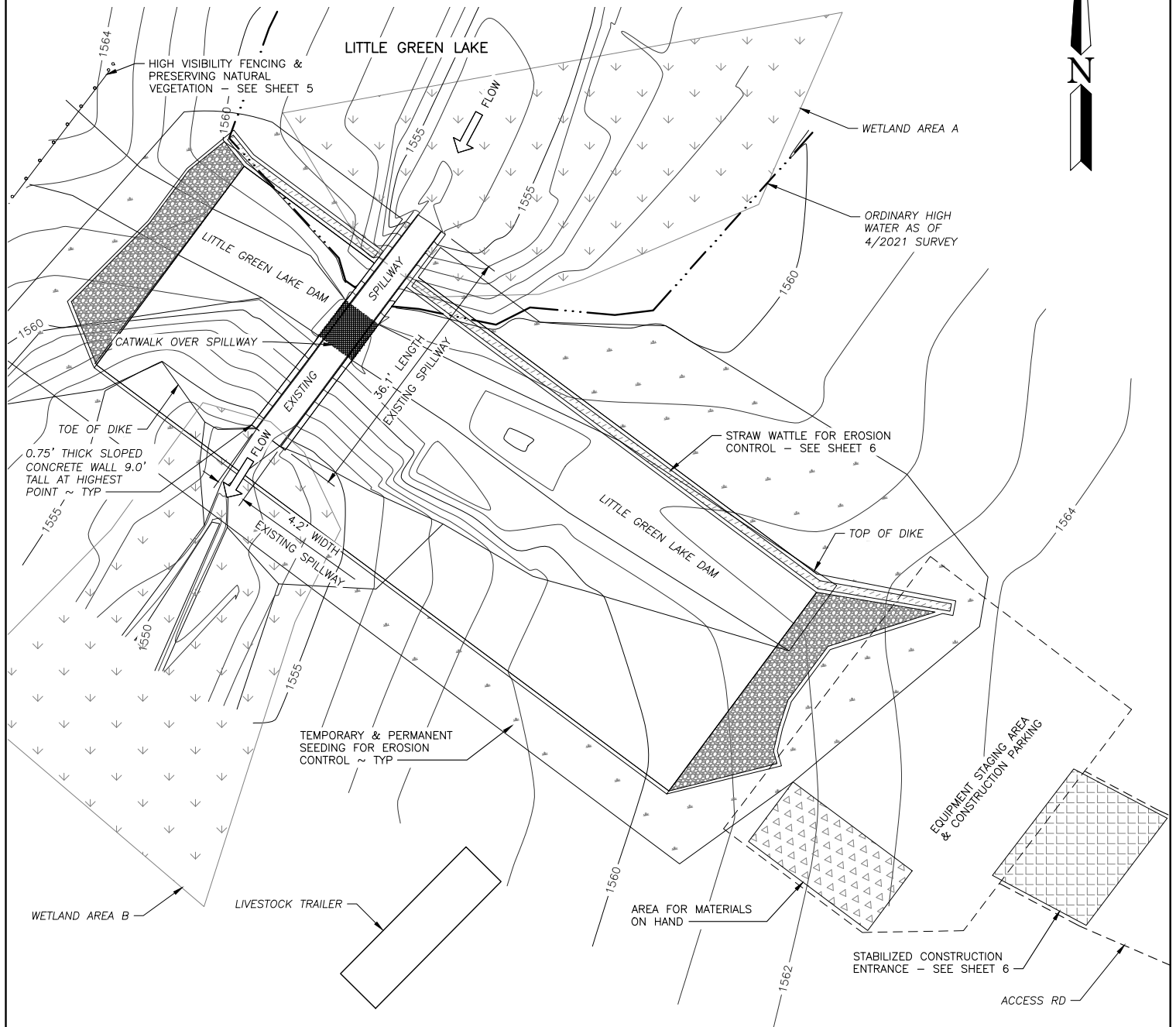


EXISTING SITE PLAN

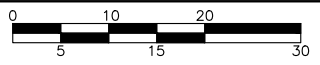


SCALE: 1" = 40'

REFERENCE NUMBER: -----
APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
PROPOSED PROJECT:
DAM SAFETY REPAIRS
LOCATION: LITTLE GREEN LAKE DAM
SHEET 3 OF 9 DATE: 01/14/2022



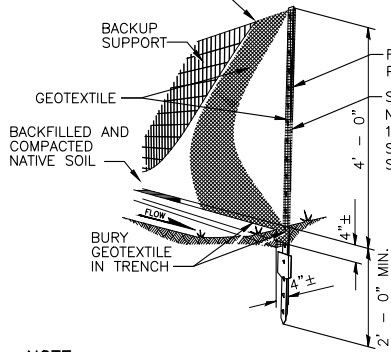
EROSION CONTROL



SCALE: 1" = 20'

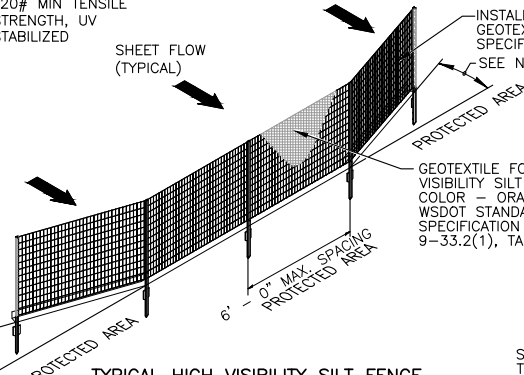
REFERENCE NUMBER: -----
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 DAM SAFETY REPAIRS
 LOCATION: LITTLE GREEN LAKE DAM
 SHEET 4 OF 9 DATE: 01/14/2022

ATTACH IN A MANNER THAT ASSURES FABRIC IS FIRMLY HELD BY THE BACKUP SUPPORT IN A WAY THAT REDUCES THE POTENTIAL FOR FABRIC TEARING

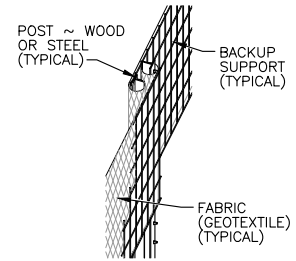


NOTE:
DURING EXCAVATION, MINIMIZE DISTURBING THE GROUND AROUND TRENCH AS MUCH AS IS FEASIBLE, AND SMOOTH SURFACE FOLLOWING EXCAVATION TO AVOID CONCENT-RATING FLOWS. COMPACTION MUST BE ADEQUATE TO PREVENT UNDERCUTTING FLOWS.

TYPICAL INSTALLATION DETAIL



TYPICAL HIGH VISIBILITY SILT FENCE WITH BACKUP SUPPORT ISOMETRIC



SPLICED FENCE SECTIONS SHALL BE CLOSE ENOUGH TOGETHER TO PREVENT SILT LADEN WATER FROM ESCAPING THROUGH THE FENCE AT THE OVERLAP.

SPLICE DETAIL

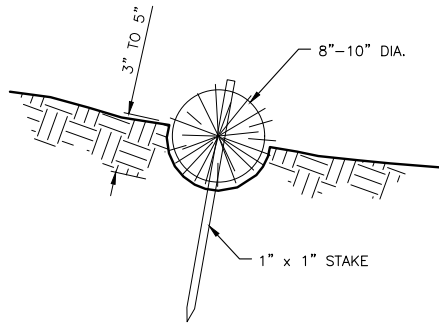
NOTE:

1. INSTALL THE ENDS OF THE HIGH VISIBILITY SILT FENCE TO POINT SLIGHTLY UPSLOPE TO PREVENT SEDIMENT FROM FLOWING AROUND THE ENDS OF THE FENCE.
2. PERFORM MAINTENANCE IN ACCORDANCE WITH WSDOT STD SPECIFICATION 8-01.3(9)A AND 8-01.3(15).
3. SPLICES SHALL NEVER BE PLACED IN LOW SPOTS OR SUMP LOCATIONS. IF SPLICES ARE LOCATED IN LOW OR SUMP AREAS, THE FENCE MAY NEED TO BE REINSTALLED UNLESS THE PROJECT ENGINEER APPROVES THE INSTALLATION.
4. INSTALL SILT FENCING PARALLEL TO MAPPED CONTOUR LINES.

HIGH VISIBILITY FENCE WITH BACKUP SUPPORT

SCALE: NOT TO SCALE

REFERENCE NUMBER: -----
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 DAM SAFETY REPAIRS
 LOCATION: LITTLE GREEN LAKE DAM
 SHEET 5 OF 9 DATE: 01/14/2022

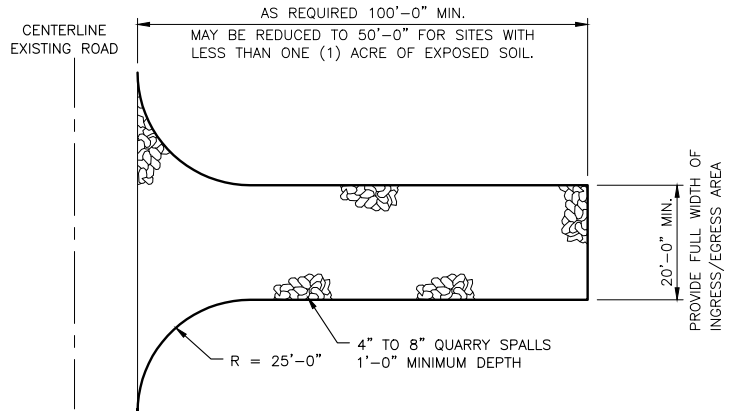


STRAW WATTLE DETAIL

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS:

1. PREPARE THE SLOPE BEFORE THE WATTLING PROCEDURE IS STARTED.
2. SMOOTH SHALLOW GULLIES AS WORK PROGRESSES.
3. DIG SMALL TRENCHES ACROSS THE SLOPE ON CONTOUR, TO PLACE ROLLS IN. THE TRENCH SHOULD BE DEEP ENOUGH TO ACCOMMODATE HALF THE THICKNESS OF THE ROLL. WHEN THE SOIL IS LOOSE AND UNCOMPACTED, THE TRENCH SHOULD BE DEEP ENOUGH TO BURY THE ROLL 2/3 OF ITS THICKNESS BECAUSE THE GROUND WILL SETTLE.
4. ROLLS SHALL BE INSTALLED PERPENDICULAR TO WATER MOVEMENT, PARALLEL TO THE SLOPE CONTOUR.
5. BUILD TRENCHES AND INSTALL ROLLS FROM THE BOTTOM OF THE SLOPE AND WORK UP.
6. CONSTRUCT TRENCHES AT CONTOUR INTERVALS 3-12 FEET APART DEPENDING ON STEEPNESS OF SLOPE. THE STEEPER THE SLOPE, THE CLOSER TOGETHER THE TRENCHES. 1:1=10' 2:1=20' 3:1=30' 4:1=40'
7. LAY THE ROLL ALONG THE TRENCHES FITTING IT SNUGLY AGAINST THE SOIL. MAKE SURE NO GAPS EXIST BETWEEN THE SOIL AND THE STRAW WATTLE.
8. USE A STRAIGHT BAR TO DRIVE HOLES THROUGH THE WATTLE AND INTO THE SOIL FOR THE WILLOW OR WOODEN STAKES.
9. DRIVE THE STAKE THROUGH PREPARED HOLE INTO SOIL. LEAVE ONLY 1 OR 2 INCHES OF STAKE EXPOSED ABOVE ROLL.
10. IF USING WILLOW STAKES REFER TO LIVE STAKING BEST MANAGEMENT PRACTICES.
11. INSTALL STAKES AT LEAST EVERY 4 FEET APART THROUGH THE WATTLE. ADDITIONAL STAKES MAY BE DRIVEN ON THE DOWNSLOPE SIDE OF THE TRENCHES ON HIGHLY EROSION OR VERY STEEP SLOPES.
12. INSPECT THE STRAW ROLLS AND THE SLOPES AFTER SIGNIFICANT STORMS. MAKE SURE THE ROLLS ARE IN CONTACT WITH THE SOIL.
13. REPAIR ANY RILLS OR GULLIES PROMPTLY.
14. RESEED OR REPLANT VEGETATION IF NECESSARY UNTIL SLOPES ARE STABILIZED.



CONSTRUCTION ENTRANCE

NOT TO SCALE

CONSTRUCTION ENTRANCE NOTES:

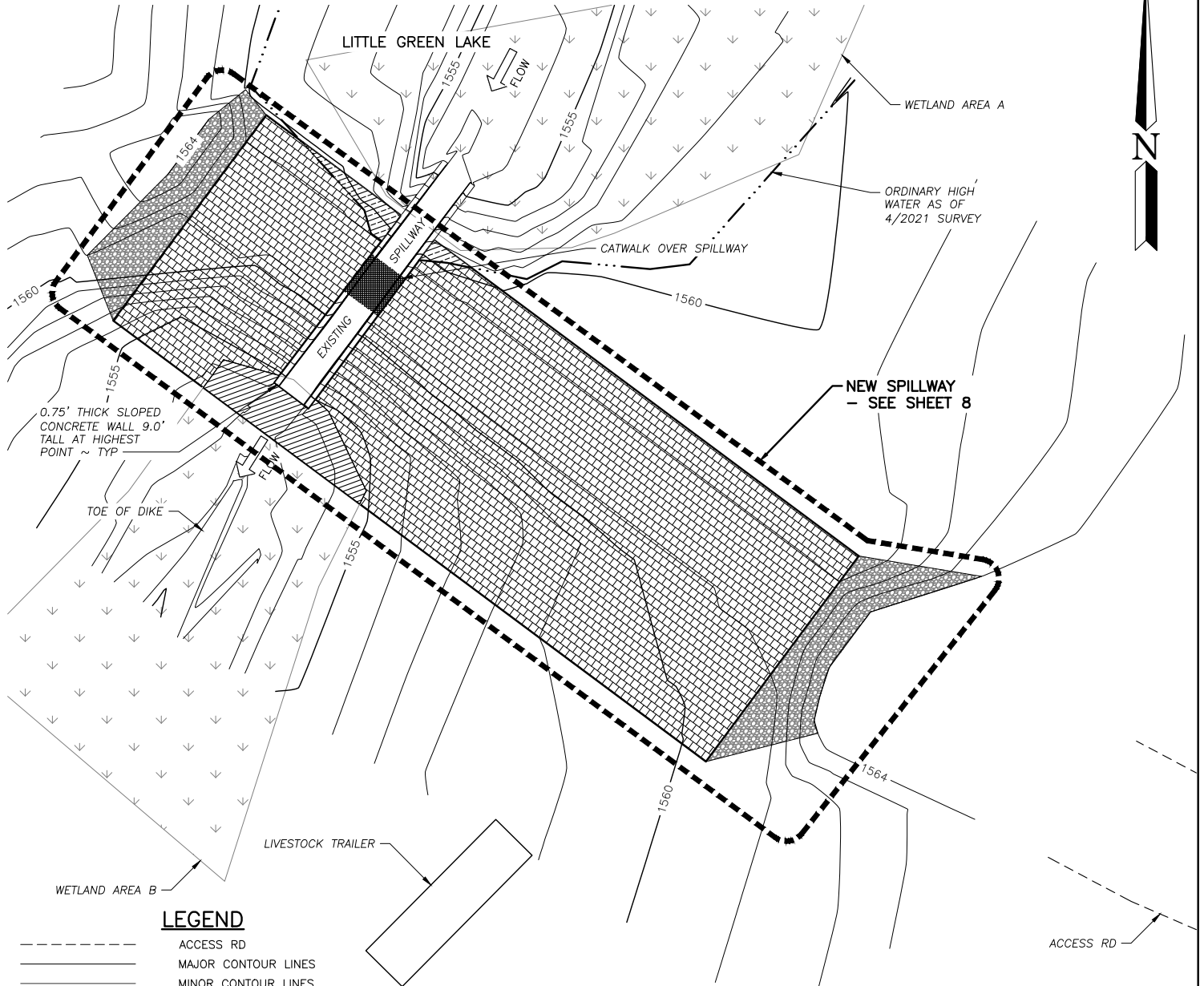
1. MATERIAL SHALL BE 4 INCH TO 8 INCH QUARRY SPALLS AND MAY BE TOP-DRESSED WITH 1 INCH TO 3 INCH ROCK. WSDOT 9-13.1 (5)
2. THE ROCK PAD SHALL BE AT LEAST 12 INCHES THICK AND 100 FEET LONG (50 FEET FOR SITES WITH LESS THAN 1 ACRE). WIDTH SHALL BE THE FULL WIDTH OF THE VEHICLE INGRESS AND EGRESS AREA. SMALLER PADS MAY BE APPROVED FOR SINGLE-FAMILY RESIDENTIAL AND SMALL COMMERCIAL SITES.
3. ADDITIONAL ROCK SHALL BE ADDED PERIODICALLY TO MAINTAIN PROPER FUNCTION OF THE PAD.
4. IF THE PAD DOES NOT ADEQUATELY REMOVE THE MUD FROM THE VEHICLE WHEELS, THE WHEELS SHALL BE HOSED OFF BEFORE THE VEHICLE ENTERS A PAVED STREET. THE WASHING SHALL BE DONE ON AN AREA COVERED WITH CRUSHED ROCK AND WASH WATER SHALL DRAIN TO A SEDIMENT RETENTION FACILITY OR THROUGH A SILT FENCE.
5. INSTALL FABRIC UNDER QUARRY SPALLS AS DIRECTED BY ENGINEER

REFERENCE NUMBER: -----
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 DAM SAFETY REPAIRS
 LOCATION: LITTLE GREEN LAKE DAM
 SHEET 6 OF 9 DATE: 01/14/2022

QUANTITIES

MATERIAL	AREA	AREA OF IMPACT IN WETLAND	AREA OF IMPACT IN OHW	IMPERVIOUS SURFACE AREA	CUT OUTSIDE OF WETLAND AND ABOVE OHWM	FILL OUTSIDE OF WETLAND AND ABOVE OHWM	CUT OUTSIDE OF WETLAND AND BELOW OHWM	FILL OUTSIDE OF WETLAND AND BELOW OHWM	CUT IN WETLAND	FILL IN WETLAND
NATIVE MATERIAL	3621 SF	137.5 SF	38.5 SF	-	82.78 CY	0 CY	0.71 CY	0 CY	2.55 CY	0.70 CY
QUARRY SPALL	424 SF	-	-	-	0 CY	7.84 CY	0 CY	0 CY	0 CY	0 CY
ARTICULATED CONCRETE MAT	3197 SF	137.5 SF	38.5 SF	-	0 CY	55.94 CY	0 CY	0.71 CY	0 CY	1.85 CY
TOTALS	3621 SF	137.5 SF	38.5 SF	-	82.78 CY	63.78 CY	0.71 CY	0.71 CY	2.55 CY	2.55 CY

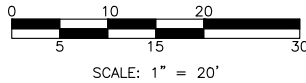
NOTES: 1. SOME AREAS OF MATERIALS MAY OVERLAP AND WILL NOT BE INCLUDED IN THE TOTAL
 2. TOTAL NET CUT = 19 CY



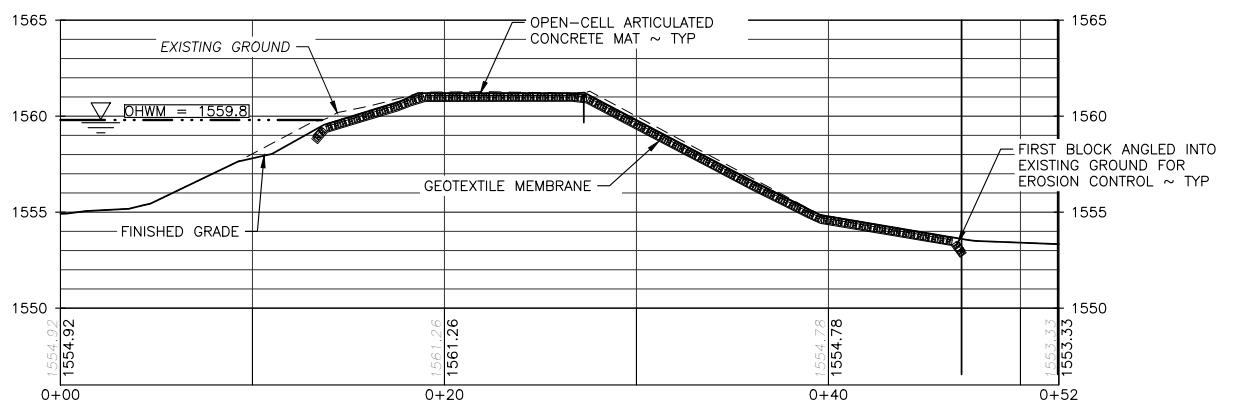
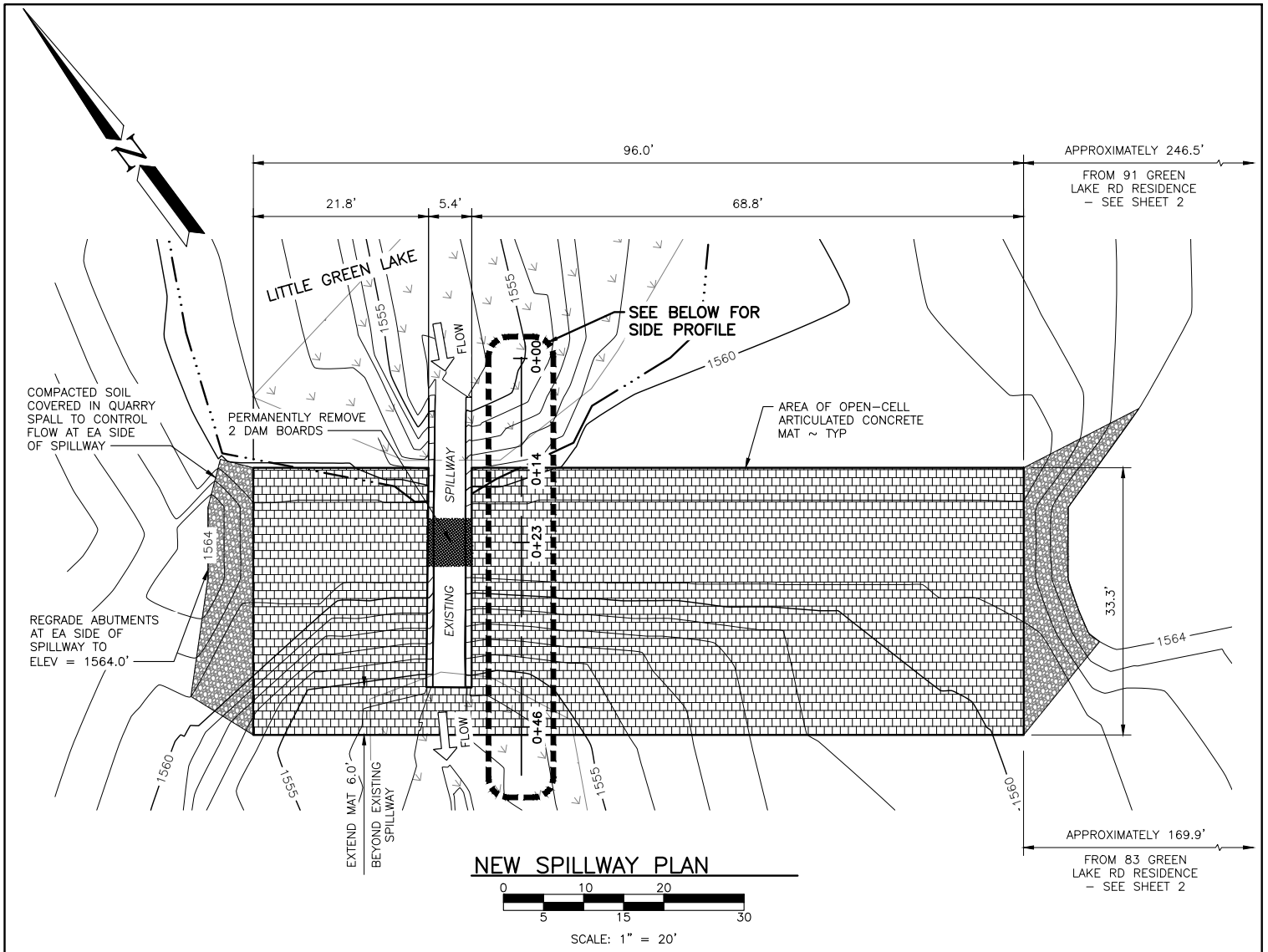
LEGEND

- ACCESS RD
- MAJOR CONTOUR LINES
- - - MINOR CONTOUR LINES
- ORDINARY HIGH WATER
- - - WETLAND A BUFFER
- - - WETLAND B BUFFER
- [Grid Pattern] ARTICULATED CONCRETE MAT
- [Diagonal Hatching] ORDINARY HIGH WATER OVERLAP
- [Circular Pattern] QUARRY SPALL
- [Diagonal Hatching] WETLAND OVERLAP
- [Downward Arrows] WETLAND

PROPOSED SITE PLAN

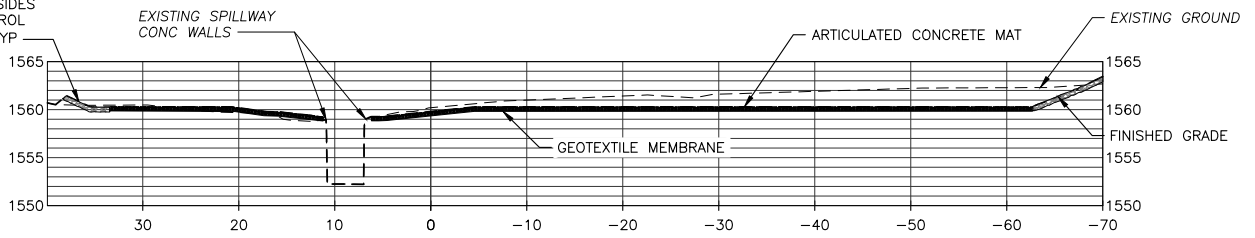


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 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 DAM SAFETY REPAIRS
 LOCATION: LITTLE GREEN LAKE DAM
 SHEET 7 OF 9 DATE: 01/14/2022



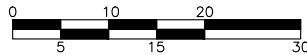
REFERENCE NUMBER: -----
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 DAM SAFETY REPAIRS
 LOCATION: LITTLE GREEN LAKE DAM
 SHEET 8 OF 9 DATE: 01/14/2022

QUARRY SPALL AT SIDES
FOR EROSION CONTROL
W/ 2:1 SLOPE ~ TYP



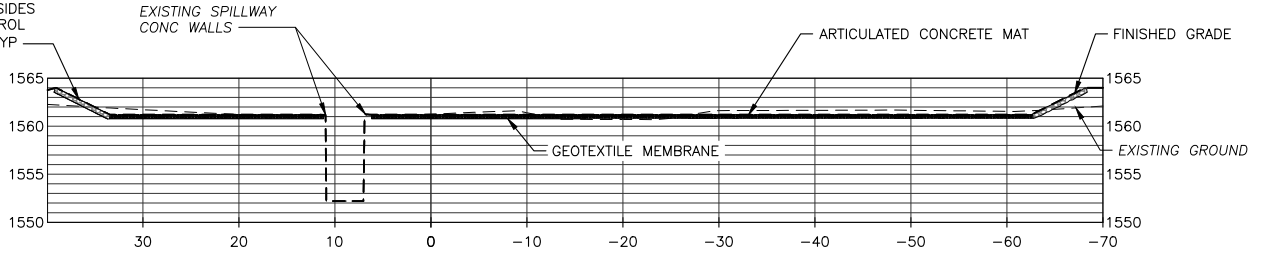
SECTION AT FIRST TOE OF ARTICULATED CONCRETE MAT

STATION 0+14



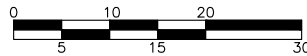
SCALE: 1" = 20'

QUARRY SPALL AT SIDES
FOR EROSION CONTROL
W/ 2:1 SLOPE ~ TYP



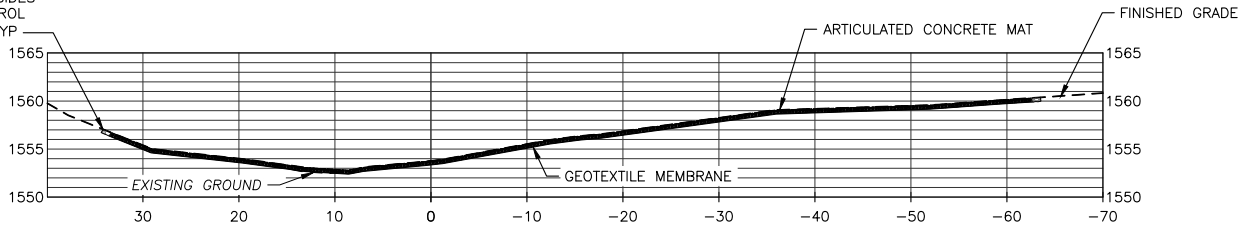
SECTION AT TOP OF NEW SPILLWAY

STATION 0+23



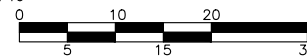
SCALE: 1" = 20'

QUARRY SPALL AT SIDES
FOR EROSION CONTROL
W/ 2:1 SLOPE ~ TYP



SECTION AT TOE OF DOWNSLOPE

STATION 0+46



SCALE: 1" = 20'

REFERENCE NUMBER: -----
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 DAM SAFETY REPAIRS
 LOCATION: LITTLE GREEN LAKE DAM
 SHEET 9 OF 9 DATE: 01/14/2022