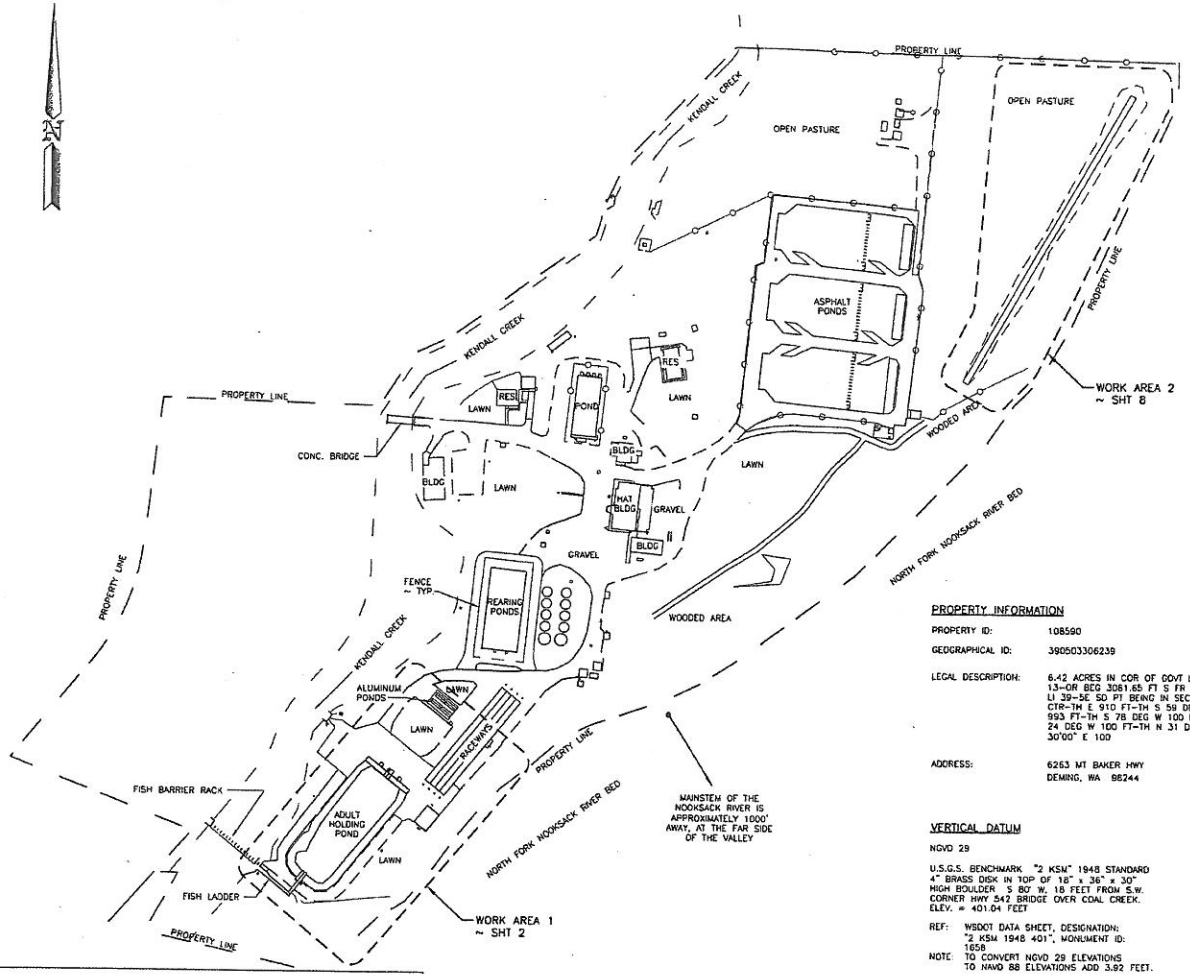
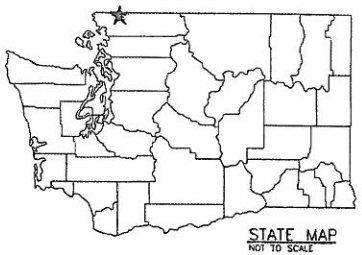
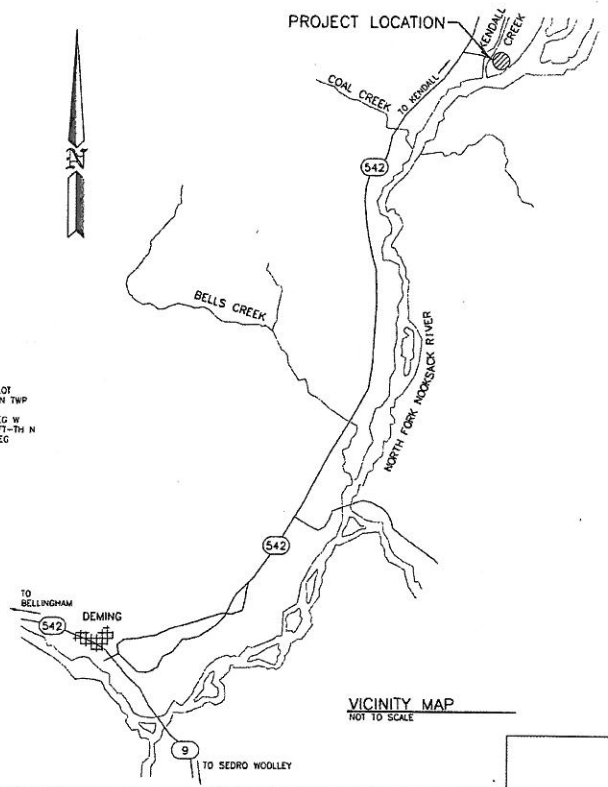
10/26/12
FRIDAY.



SITE PLAN
SCALE: 1" = 200'



STATE MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

PROPERTY INFORMATION

PROPERTY ID: 108590

GEOGRAPHICAL ID: 390503306239

LEGAL DESCRIPTION: 6.42 ACRES IN COR OF GOVT LOT 13-OR BEG 3081.65 FT S FR N TWP LI 39-5E SD PT BEING IN SEC CTR-TH E 910 FT-TH S 59 DEG W 993 FT-TH S 78 DEG W 100 FT-TH N 24 DEG W 100 FT-TH N 31 DEG 30'00" E 100

ADDRESS: 6263 MT BAKER HWY
DEMING, WA 98244

VERTICAL DATUM

NGVD 29

U.S.G.S. BENCHMARK "2 KSM" 1948 STANDARD 4" BRASS DISK IN TOP OF 18" x 36" x 30" HIGH BOULDER S 80° W, 18 FEET FROM S.W. CORNER HWY 542 BRIDGE OVER COAL CREEK. ELEV. = 401.04 FEET

REF: WSDOT DATA SHEET, DESIGNATION: "2 KSM 1948 401", MONUMENT ID: 1658

NOTE: TO CONVERT NGVD 29 ELEVATIONS TO NAVD 88 ELEVATIONS ADD 3.92 FEET.

REF: VERTCON APPLICATION AT JOB SITE LATITUDE AND LONGITUDE.

HORIZONTAL DATUM

NAD 83 (91) WA. NORTH ZONE

PERMIT APPLICATION DRAWINGS
NOT FOR CONSTRUCTION

MWH

WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE

SYM	DATE	REVISION DESCRIPTION	BY
		APPROVED AND RELEASED FOR CONSTRUCTION	

CHIEF ENGINEER DATE
PROGRAM DATE

0 — 1"
BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS

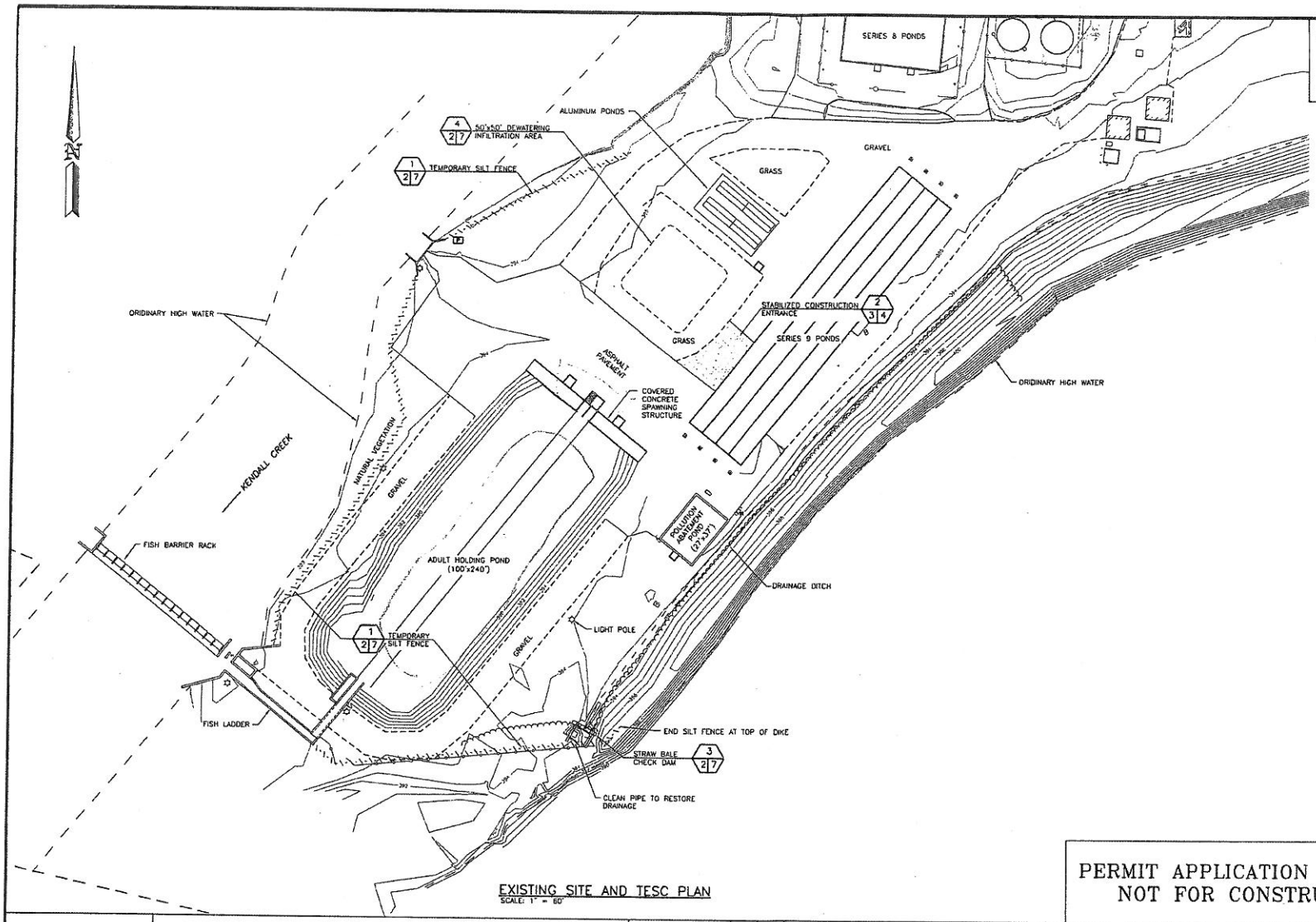
DESIGNED BY CWC
CHECKED BY
DRAWN BY SYF
DATE 10/02/2012

KENDALL CREEK HATCHERY

ADULT AND PA POND REPLACEMENT
STATE MAP, VICINITY MAP AND SITE PLAN

PROJECT NO.

SHEET 1 OF 8



NOTE:

SEE SHT 8 FOR FLOODPLAIN STORAGE REPLACEMENT IN WORK AREA 2.

EXISTING SITE AND TESC PLAN
SCALE: 1" = 60'

PERMIT APPLICATION DRAWINGS
NOT FOR CONSTRUCTION

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WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE

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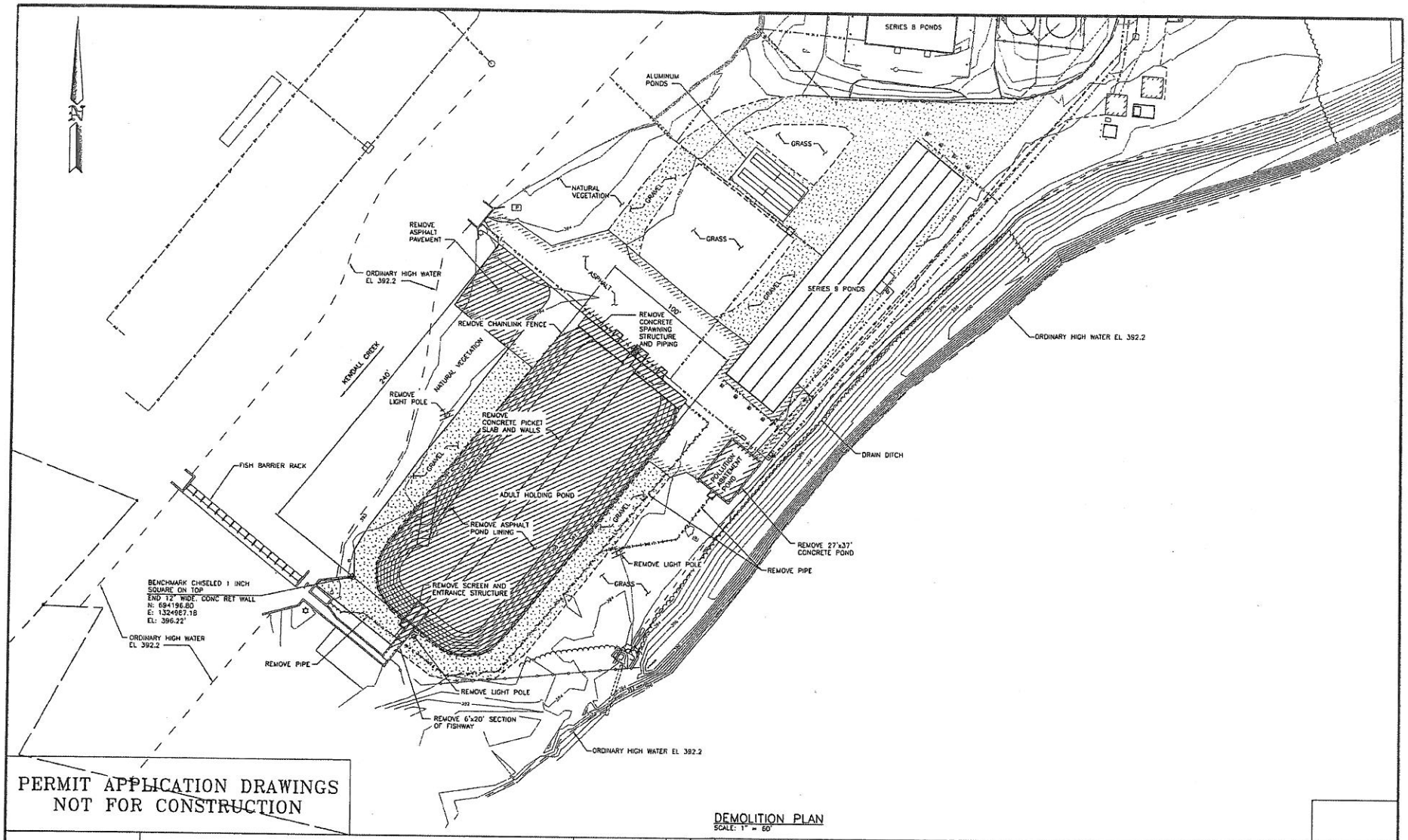
KENDALL CREEK HATCHERY

ADULT AND PA POND REPLACEMENT
EXISTING SITE & TEMPORARY EROSION & SEDIMENTATION CONTROL PLAN

PROJECT NO.

SHEET 2 OF 8



PERMIT APPLICATION DRAWINGS
NOT FOR CONSTRUCTION

DEMOLITION PLAN
SCALE: 1" = 60'

MWH

WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE

SYM	DATE	REVISION DESCRIPTION	BY

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CHIEF ENGINEER DATE:
PROGRAM DATE:

0 — 1"
BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS

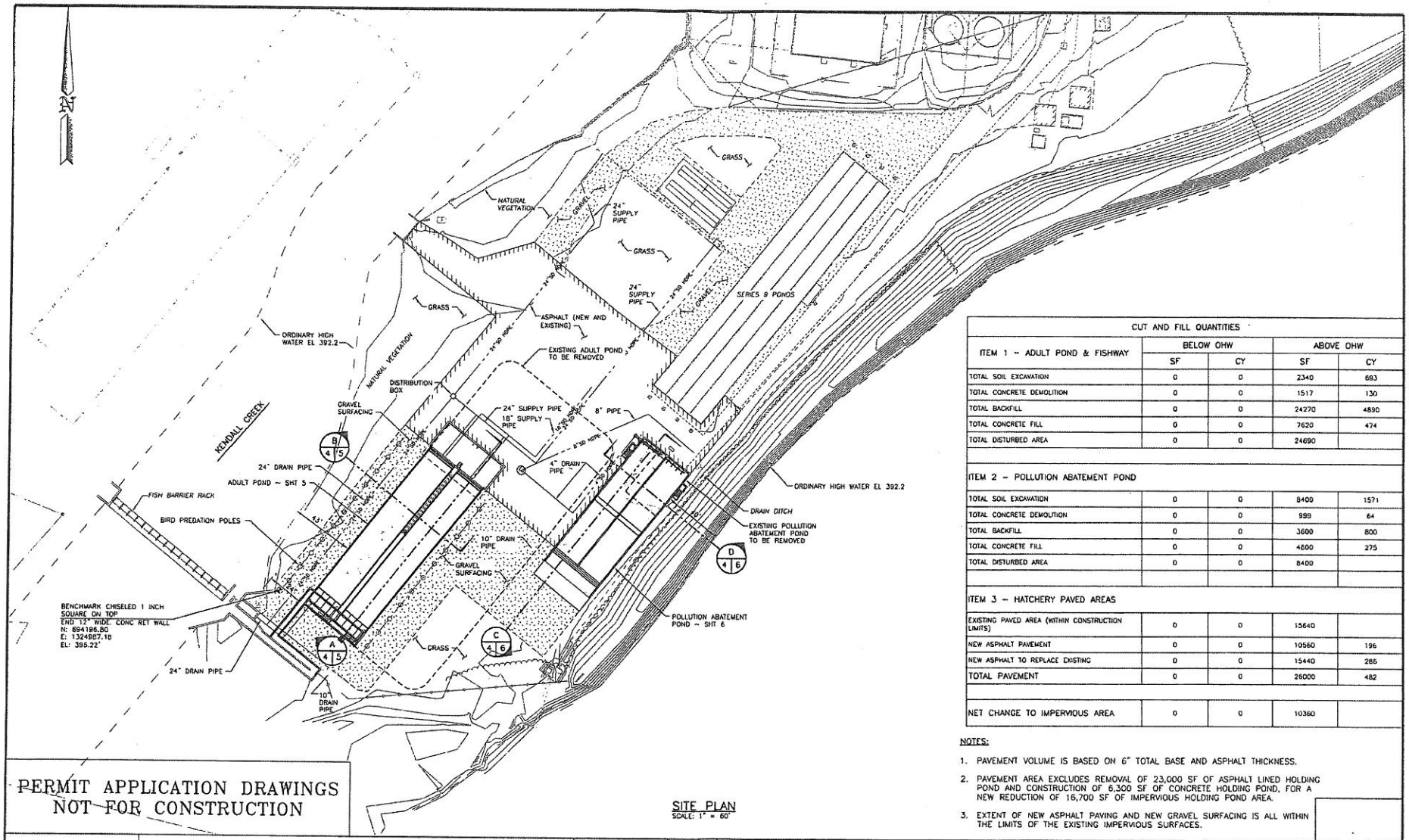
DESIGNED BY CWC
CHECKED BY SYF
DRAWN BY
DATE 10/02/2012

KENDALL CREEK HATCHERY

ADULT AND PA POND REPLACEMENT
DEMOLITION PLAN

PROJECT NO.

SHEET 3 OF 8



CUT AND FILL QUANTITIES				
ITEM 1 – ADULT POND & FISHWAY	BELOW OHW		ABOVE OHW	
	SF	CY	SF	CY
TOTAL SOIL EXCAVATION	0	0	2340	693
TOTAL CONCRETE DEMOLITION	0	0	1517	130
TOTAL BACKFILL	0	0	24270	4890
TOTAL CONCRETE FILL	0	0	7620	474
TOTAL DISTURBED AREA	0	0	24690	
ITEM 2 – POLLUTION ABATEMENT POND				
TOTAL SOIL EXCAVATION	0	0	8400	1571
TOTAL CONCRETE DEMOLITION	0	0	999	64
TOTAL BACKFILL	0	0	3600	800
TOTAL CONCRETE FILL	0	0	4800	275
TOTAL DISTURBED AREA	0	0	8400	
ITEM 3 – HATCHERY PAVED AREAS				
EXISTING PAVED AREA (WITHIN CONSTRUCTION LIMITS)	0	0	15640	
NEW ASPHALT PAVEMENT	0	0	10560	196
NEW ASPHALT TO REPLACE EXISTING	0	0	15440	286
TOTAL PAVEMENT	0	0	26000	482
NET CHANGE TO IMPERVIOUS AREA	0	0	10360	

NOTES:

1. PAVEMENT VOLUME IS BASED ON 6" TOTAL BASE AND ASPHALT THICKNESS.
2. PAVEMENT AREA EXCLUDES REMOVAL OF 23,000 SF OF ASPHALT LINED HOLDING POND AND CONSTRUCTION OF 6,300 SF OF CONCRETE HOLDING POND, FOR A NEW REDUCTION OF 16,700 SF OF IMPERVIOUS HOLDING POND AREA.
3. EXTENT OF NEW ASPHALT PAVING AND NEW GRAVEL SURFACING IS ALL WITHIN THE LIMITS OF THE EXISTING IMPERVIOUS SURFACES.

PERMIT APPLICATION DRAWINGS
NOT FOR CONSTRUCTION

SITE PLAN
SCALE: 1" = 60'

MWH

WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE

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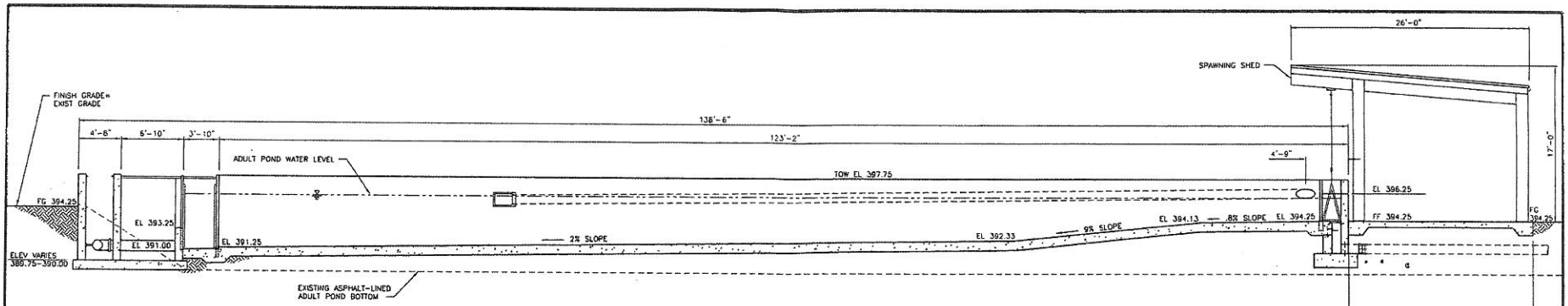
CHECKED BY SYF
DRAWN BY
DATE 10/02/2012

KENDALL CREEK HATCHERY

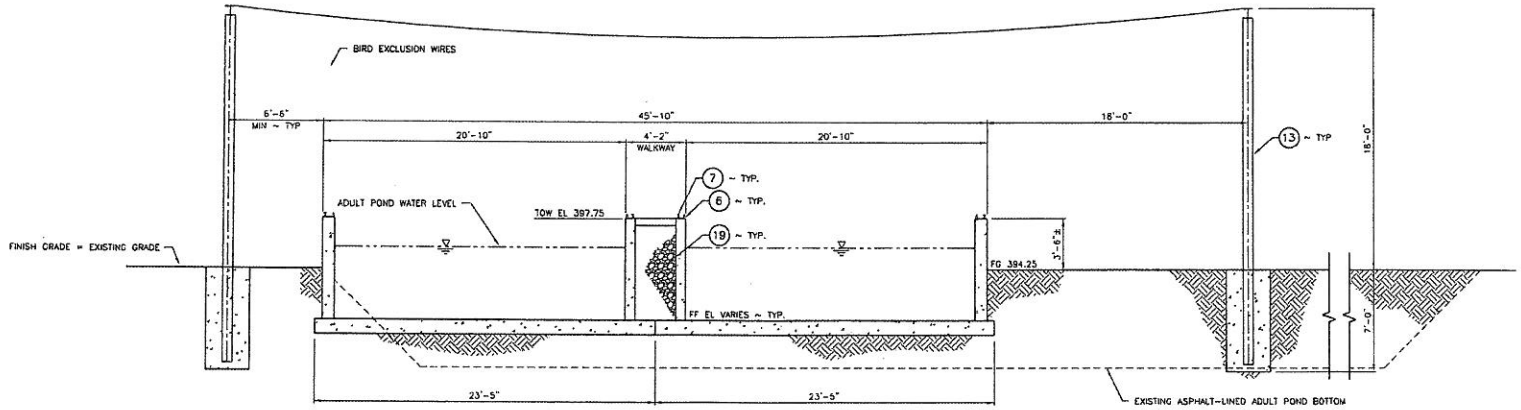
ADULT AND PA POND REPLACEMENT
SITE PLAN

PROJECT NO.

SHEET 4 OF 8



SECTION A 4 5
SCALE: 3/32" = 1'-0"



SECTION B 4 5
SCALE: 3/32" = 1'-0"

PERMIT APPLICATION DRAWINGS
NOT FOR CONSTRUCTION

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WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE

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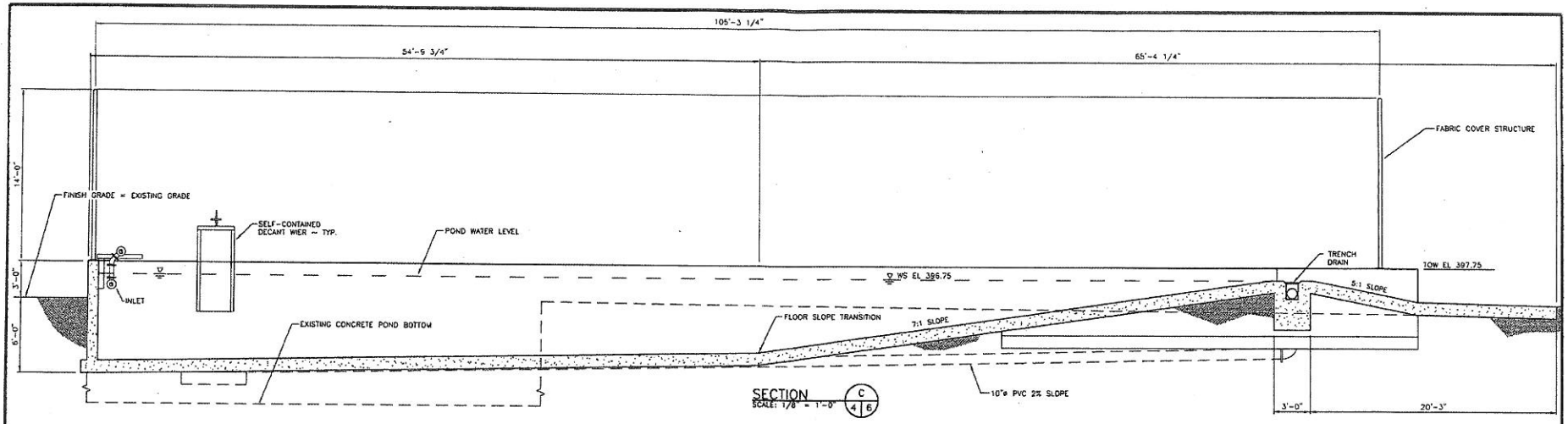
KENDALL CREEK HATCHERY

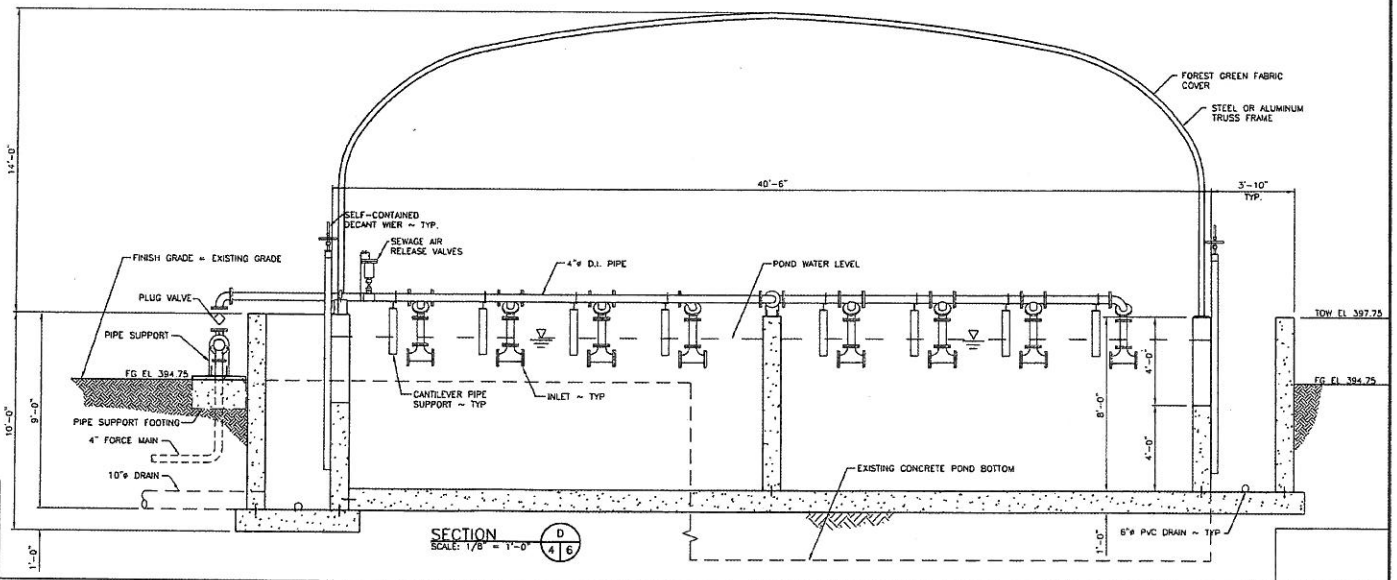
ADULT AND PA POND REPLACEMENT
20 X 120 ADULT POND
POND SECTIONS

PROJECT NO.

SHEET 5 OF 8



SECTION C 4 6
SCALE: 1/8" = 1'-0"



SECTION D 4 6
SCALE: 1/8" = 1'-0"

PERMIT APPLICATION DRAWINGS
NOT FOR CONSTRUCTION

MWH

WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE

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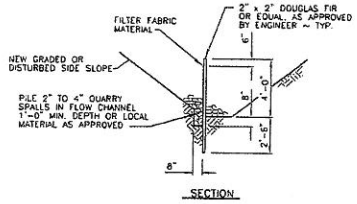
KENDALL CREEK HATCHERY

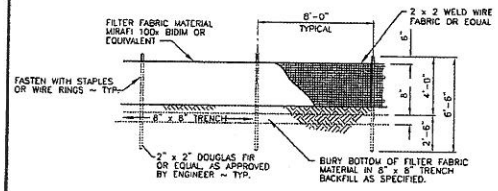
ADULT AND PA POND REPLACEMENT
SECTIONS
PLAN

PROJECT NO.

SHEET 6 OF 8



SECTION

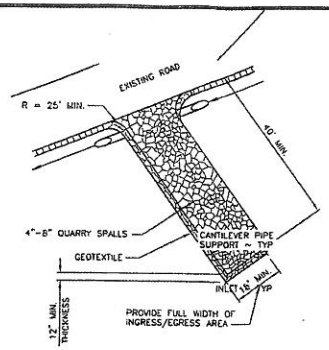


ELEVATION

FILTER FABRIC FENCE

SCALE: NONE

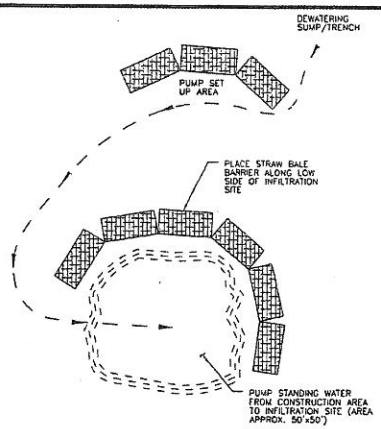
1 2|7 1 8|7



STABILIZED CONSTRUCTION ENTRANCE

SCALE: NONE

2 2|7 2 8|7



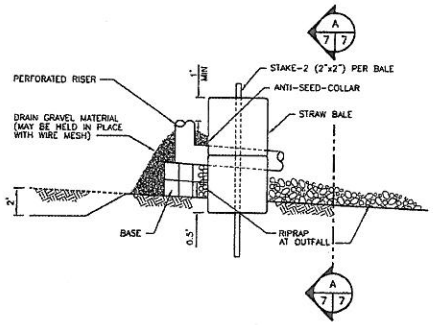
DEWATERING INFILTRATION

SCALE: NONE

4 2|7

FILTER FABRIC NOTES:

1. FILTER FABRIC SHALL BE PURCHASED CONTINUOUS ROLL CUT TO LENGTH OF BARRIER AS NEEDED. IF JOINTS ARE NECESSARY FABRIC SHALL BE SPLICED TOGETHER ONLY AT SUPPORT POSTS WITH A MINIMUM OF (6) INCH OVERLAP. BOTH ENDS SHALL BE SECURED AS REQUIRED.
2. FILTER FABRIC SHALL BE INSTALLED TO FOLLOW CONTOURS. FENCE POSTS SHALL BE SPACED A MAXIMUM OF EIGHT (8) FEET APART UNLESS OTHERWISE SHOWN HEREIN. ALL POSTS SHALL BE DRIVEN INTO THE GROUND A MINIMUM OF 30 INCHES.
3. A TRENCH SHALL BE EXCAVATED, ROUGHLY EIGHT (8) INCHES WIDE BY EIGHT (8) INCHES DEEP UP SLOPE AND ADJACENT TO THE POST TO ALLOW THE FILTER FABRIC TO BE BURIED.
4. WHEN STANDARD STRENGTH FILTER FABRIC IS UTILIZED, A WIRE SINGLE SPACE MESH SUPPORT FENCE SHALL BE FASTENED TO THE UPSLOPE (OR UPSTREAM) SIDE OF THE POSTS USING ONE (1) INCH MINIMUM LENGTH WIRE STAPLES, TIE WIRE OR APPROVED HOG RINGS. ALL WIRE SUPPORT SHALL EXTEND INTO THE TRENCH A MINIMUM OF FOUR (4) INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE ORIGINAL GRADE.
5. ALL FILTER FABRIC SHALL BE STAPLED OR WIRED TO SUPPORT FENCING AND A MINIMUM OF 20 INCHES OF FABRIC SHALL BE EXTENDED INTO THE TRENCH. FILTER FABRIC SHALL NOT BE STAPLED OR FASTENED TO EXISTING TREES OF STRUCTURES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
6. IF HIGH STRENGTH FILTER FABRIC AND CLOSER SPACING ARE USED, THE WIRE SUPPORT FENCING MAY BE ELIMINATED. HIGH STRENGTH FABRIC SHALL BE STAPLED OR WIRED DIRECTLY TO POSTS AS REQUIRED BY THE ENGINEER.
7. CUTOFF TRENCH SHALL BE BACKFILLED WITH 3/4 INCH MINIMUM DIAMETER WASHED GRAVEL OR OTHER SIMILAR SOURCE AS APPROVED BY THE ENGINEER.
8. FILTER FENCING SHALL BE INSTALLED WHERE SHOWN ON THE PLAN, OR AS MARKED IN THE FIELD BY THE ENGINEER, PRIOR TO COMMENCEMENT OF WORK. ALL FENCING SHALL BE INSPECTED DAILY DURING CONSTRUCTION AND AFTER EACH SIGNIFICANT RAINFALL EVENT UNTIL SITE HAS BEEN PERMANENTLY STABILIZED. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
9. REMOVAL OF TRAPPED SEDIMENT SHALL BE PERFORMED WHEN AMOUNTS REACH APPROXIMATELY 1/3 HEIGHT OF THE FENCE.
10. FILTER FENCING SHALL REMAIN IN-PLACE UNTIL SITE HAS BEEN REVEGETATED TO ORIGINAL CONDITION OR DIRECTED BY THE ENGINEER.

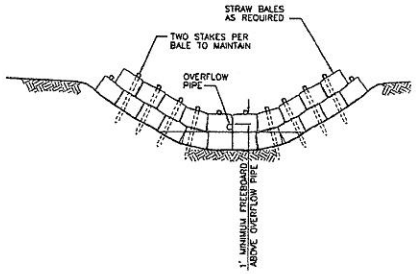


1. "KEY" BALES INTO GROUND A MIN. OF 0.5'
2. SANDBAGS FILLED UP WITH PEA GRAVEL MAY BE REQ'D IN FRONT OF STRAW BALES.
3. OMIT PIPE, RISER, AND BASE WHEN USED AS DROP STRUCTURE OR CHECK DAM.

STRAWBALE CHECK DAM

SCALE: NONE

3 2|7



SECTION

SCALE: NONE

A 7|7

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NOT FOR CONSTRUCTION

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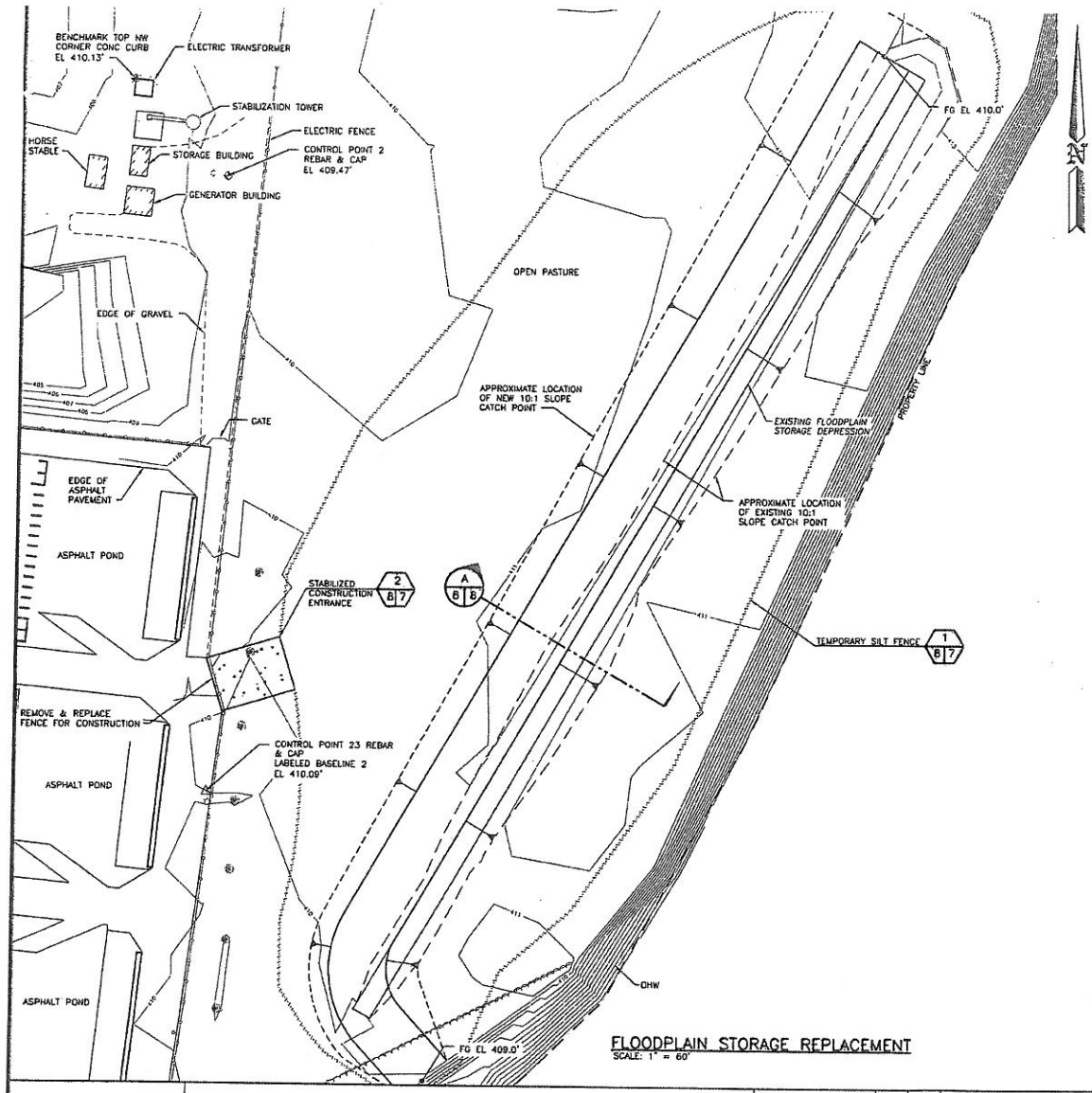
KENDALL CREEK HATCHERY

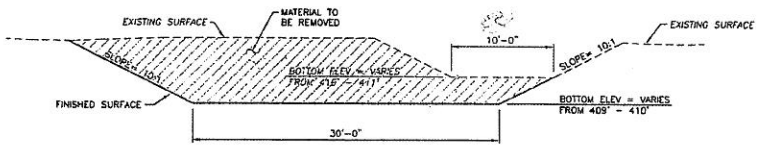
ADULT AND PA POND REPLACEMENT
EROSION CONTROL DETAILS AND NOTES

PROJECT NO.

SHEET 7 OF 8



FLOODPLAIN STORAGE REPLACEMENT
SCALE: 1" = 60'



SECTION A 8 8
NOT TO SCALE

CUT AND FILL QUANTITIES				
ITEM 4 – FLOODPLAIN STORAGE	BELOW OHW		ABOVE OHW	
	SF	CY	SF	CY
TOTAL SOIL EXCAVATION	0	0	28500	2000

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KENDALL CREEK HATCHERY

ADULT AND PA POND REPLACEMENT
WORK SITE 2 PLAN AND SECTION

PROJECT NO.

SHEET 8 OF 8