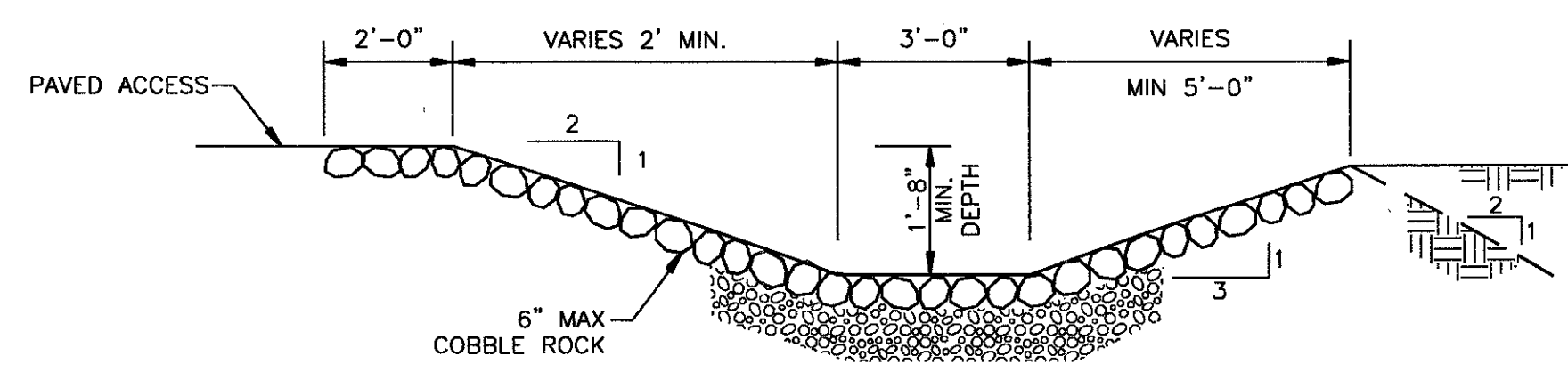
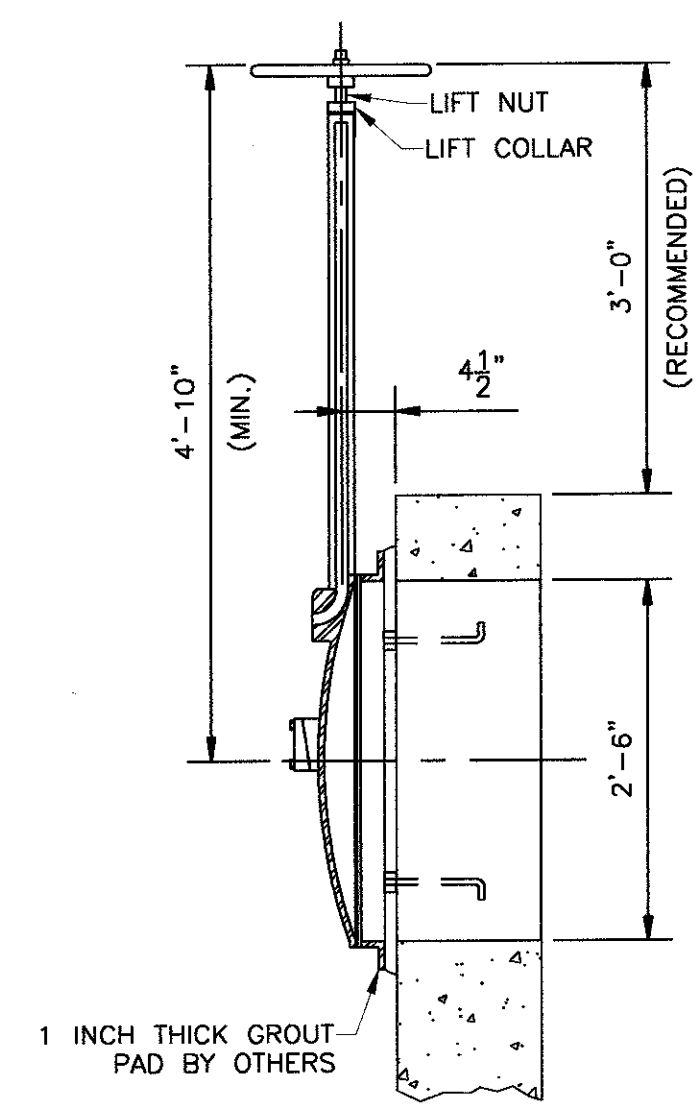


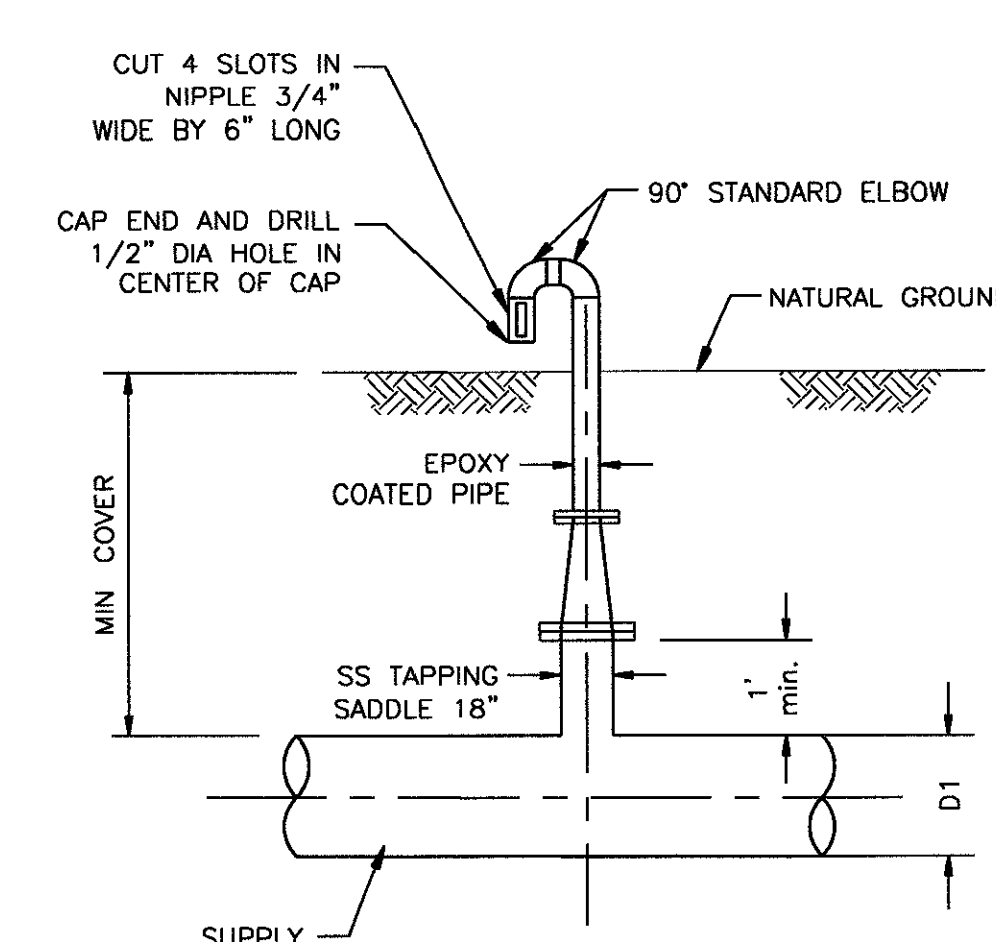
ASPHALT PAVING (1) TYP
SCALE: 3/4"=1'-0"



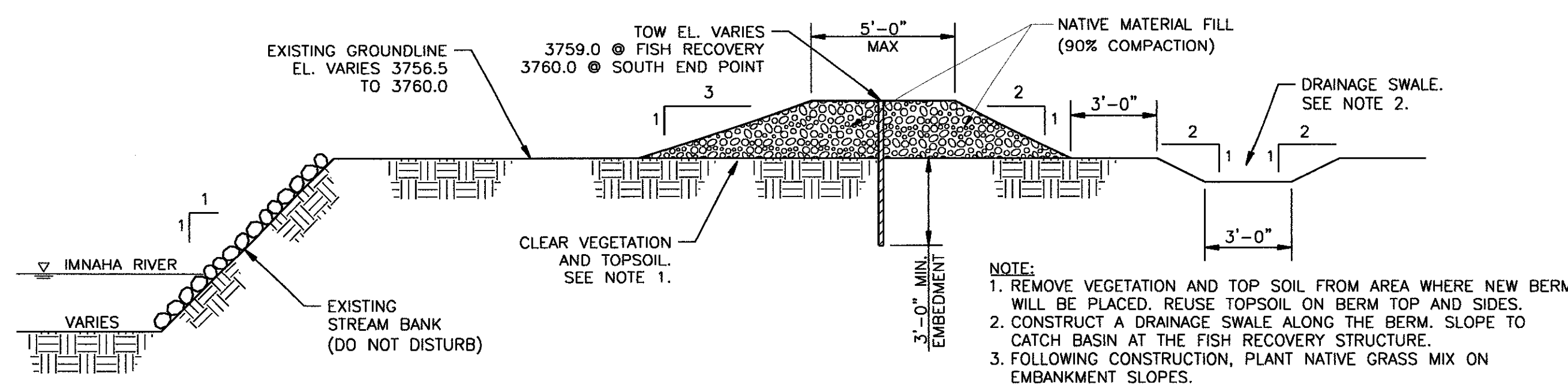
DRAINAGE SWALE (2) TYP
SCALE: 3/8"=1'-0"



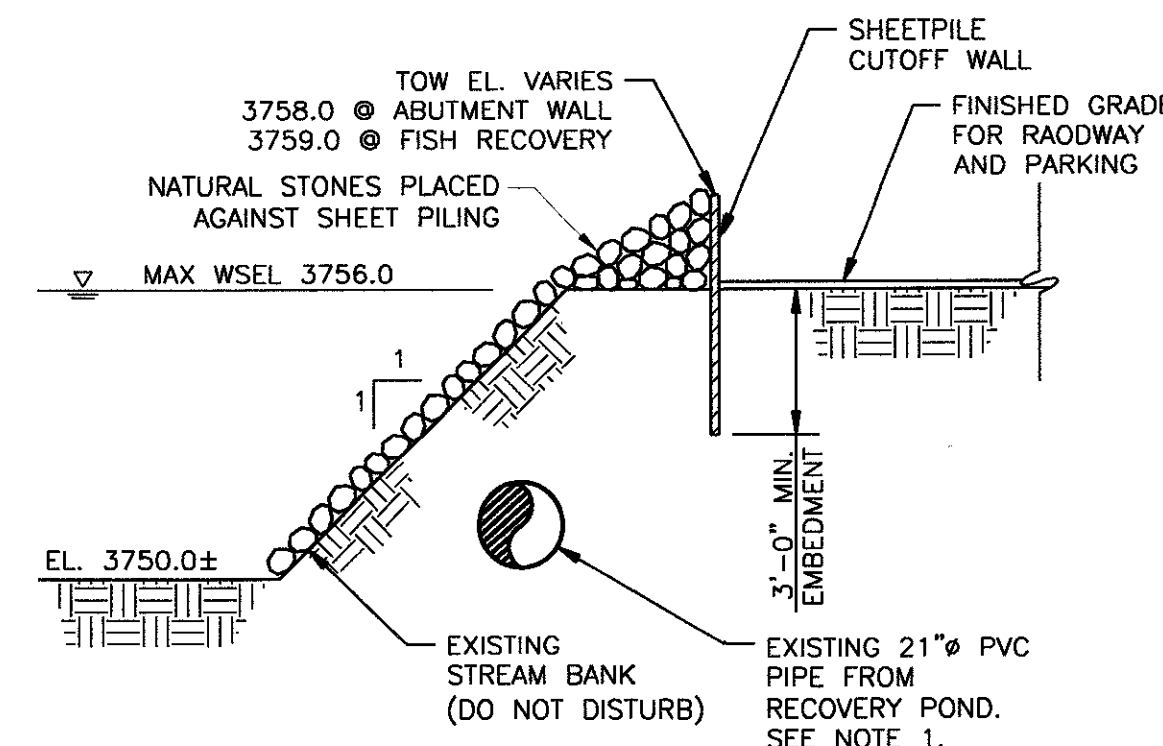
WATERMAN C-10 CANAL GATE DETAIL (3) TYP
SCALE: 3/4"=1'-0"



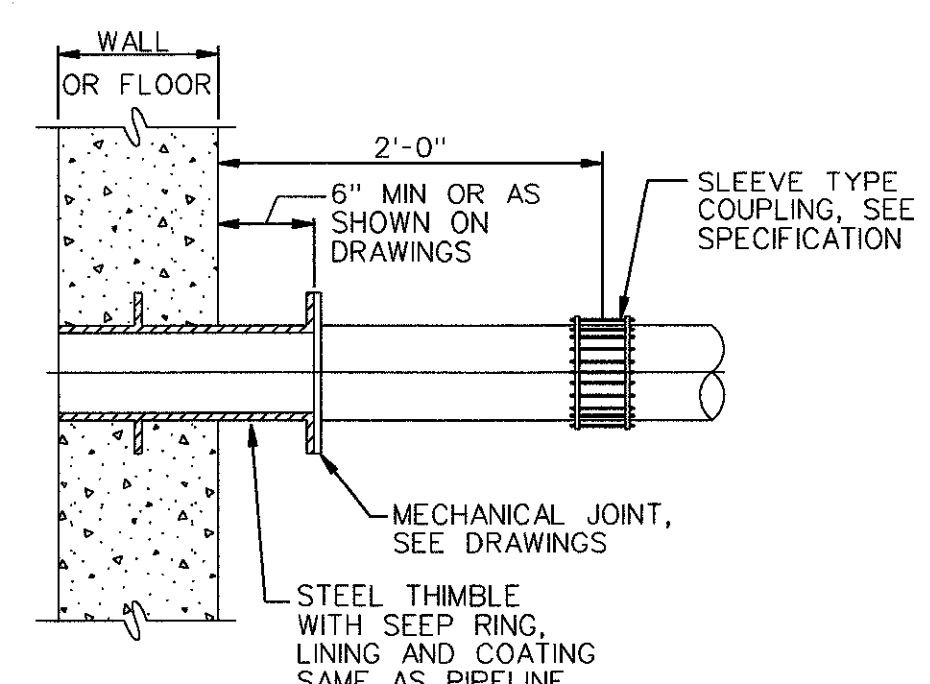
PIPE VENT (8) TYP
SCALE: 1/2"=1'-0"



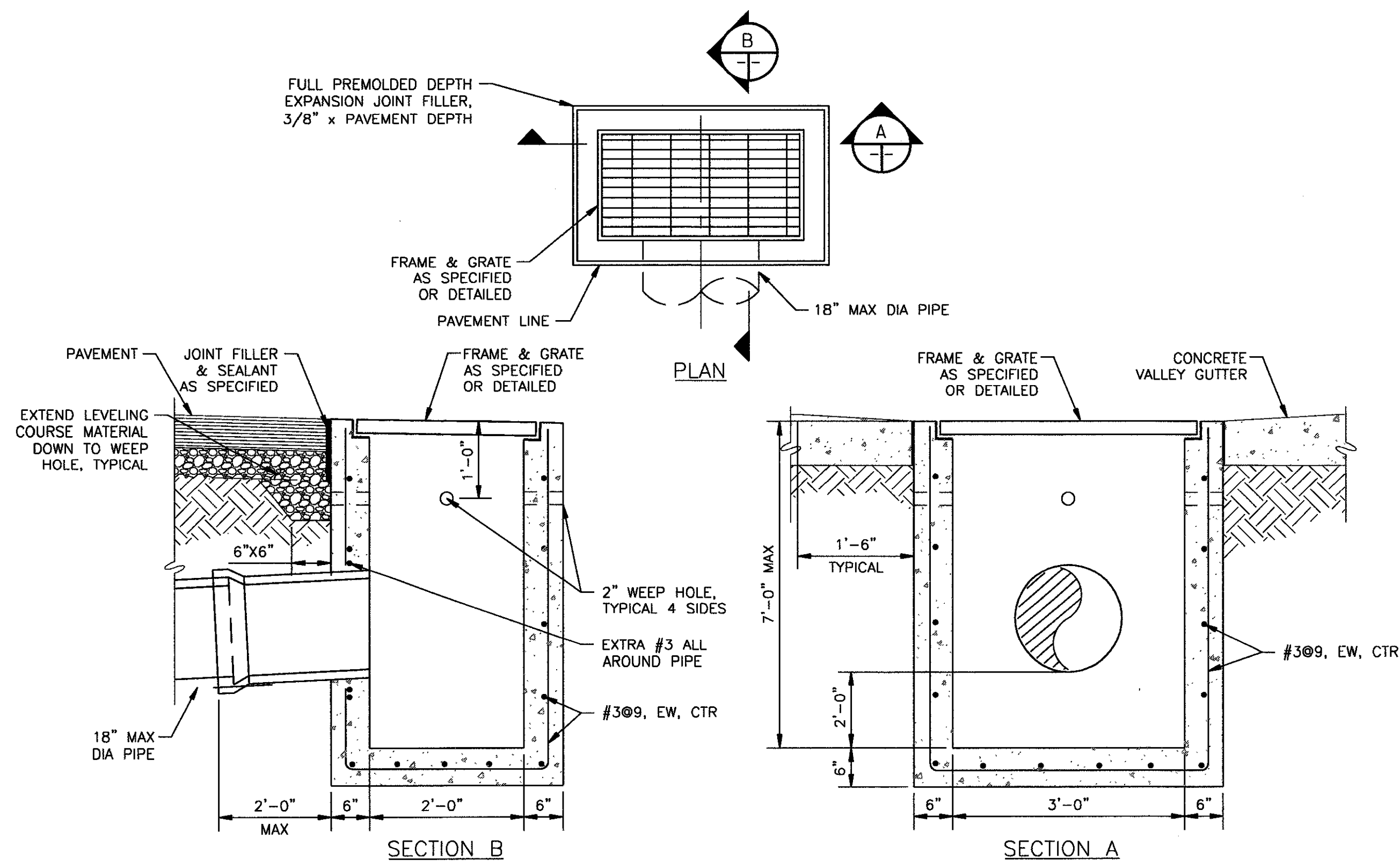
EMBANKMENT UPSTREAM OF FISH RECOVERY CHANNEL (4) TYP
SCALE: 1/4"=1'-0"



EMBANKMENT DOWNSTREAM OF FISH RECOVERY CHANNEL (5) TYP
SCALE: 1/4"=1'-0"

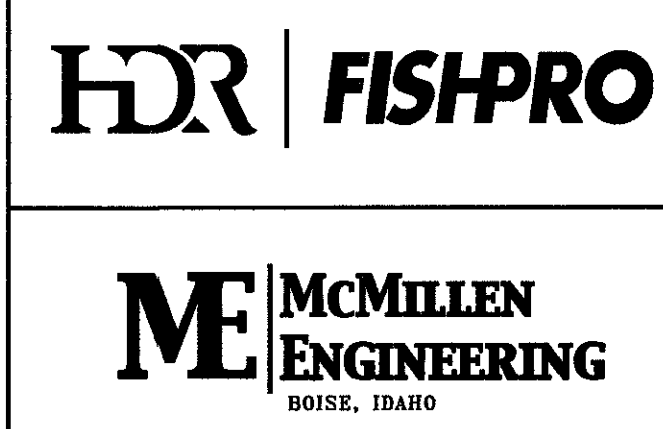
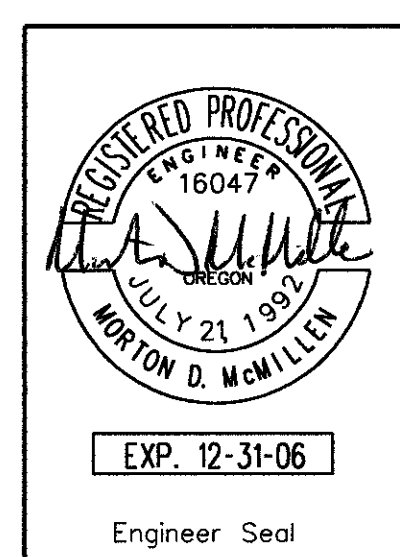


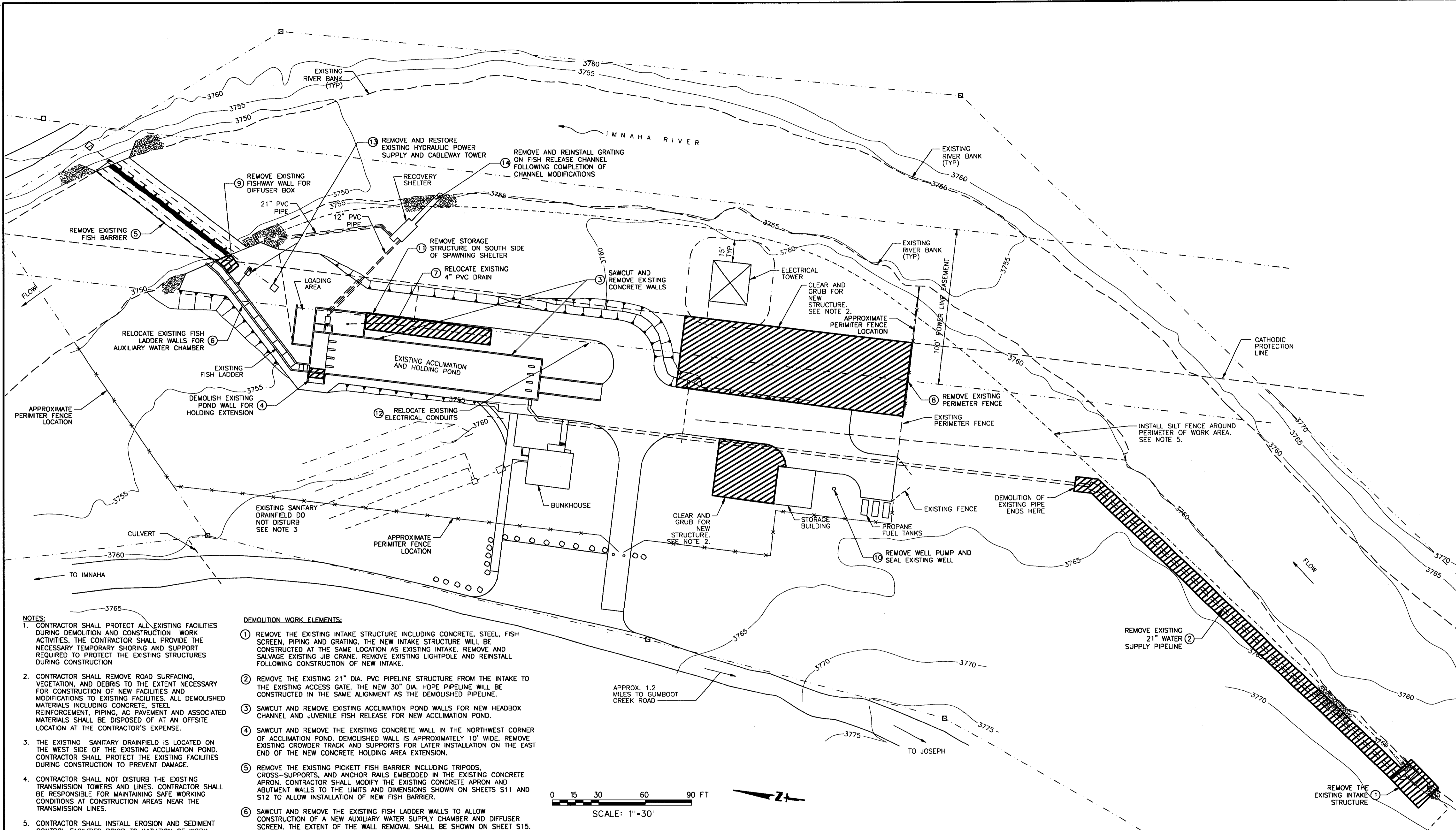
THIMBLE (6) TYP
NO SCALE



CATCH BASIN (7) TYP
SCALE: 3/4"=1'-0"

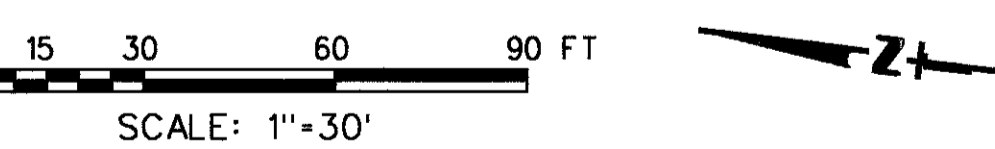
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Drawn	R. GUERRERO	NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY					
Chkd	M. McMILLEN	STANDARD CIVIL DETAILS 1					
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Date		SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
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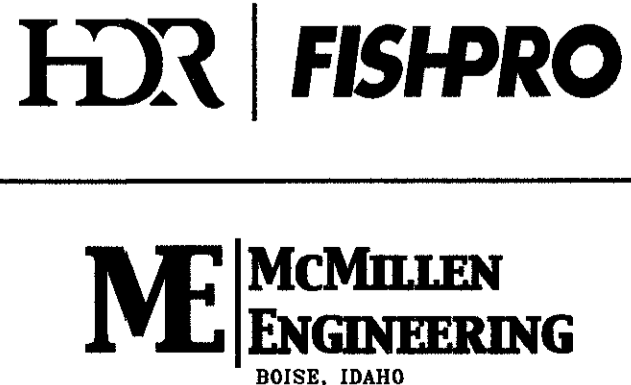
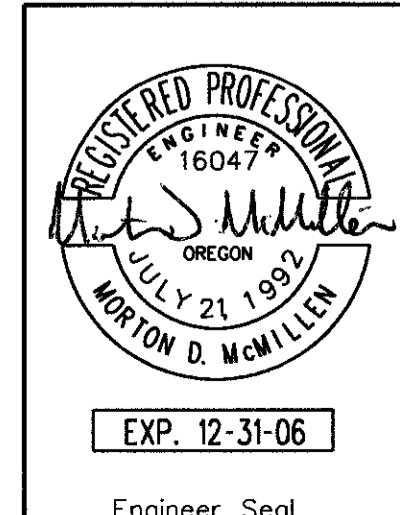


- NOTES:**
- CONTRACTOR SHALL PROTECT ALL EXISTING FACILITIES DURING DEMOLITION AND CONSTRUCTION WORK ACTIVITIES. THE CONTRACTOR SHALL PROVIDE THE NECESSARY TEMPORARY SHORING AND SUPPORT REQUIRED TO PROTECT THE EXISTING STRUCTURES DURING CONSTRUCTION.
 - CONTRACTOR SHALL REMOVE ROAD SURFACING, VEGETATION, AND DEBRIS TO THE EXTENT NECESSARY FOR CONSTRUCTION OF NEW FACILITIES AND MODIFICATIONS TO EXISTING FACILITIES. ALL DEMOLISHED MATERIALS INCLUDING CONCRETE, STEEL, REINFORCEMENT, PIPING, AC PAVEMENT AND ASSOCIATED MATERIALS SHALL BE DISPOSED OF AT AN OFFSITE LOCATION AT THE CONTRACTOR'S EXPENSE.
 - THE EXISTING SANITARY DRAINFIELD IS LOCATED ON THE WEST SIDE OF THE EXISTING ACCLIMATION POND. CONTRACTOR SHALL PROTECT THE EXISTING FACILITIES DURING CONSTRUCTION TO PREVENT DAMAGE.
 - CONTRACTOR SHALL NOT DISTURB THE EXISTING TRANSMISSION TOWERS AND LINES. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SAFE WORKING CONDITIONS AT CONSTRUCTION AREAS NEAR THE TRANSMISSION LINES.
 - CONTRACTOR SHALL INSTALL EROSION AND SEDIMENT CONTROL FACILITIES PRIOR TO INITIATION OF WORK ACTIVITIES. CONTRACTOR SHALL PREPARE AND SUBMIT A SITE EROSION AND SEDIMENT CONTROL PLAN TO THE ENGINEER FOR APPROVAL.

- DEMOLITION WORK ELEMENTS:**
- REMOVE THE EXISTING INTAKE STRUCTURE INCLUDING CONCRETE, STEEL, FISH SCREEN, PIPING AND GRATING. THE NEW INTAKE STRUCTURE WILL BE CONSTRUCTED AT THE SAME LOCATION AS EXISTING INTAKE. REMOVE AND SALVAGE EXISTING JOB CRANE. REMOVE EXISTING LIGHTPOLE AND REINSTALL FOLLOWING CONSTRUCTION OF NEW INTAKE.
 - REMOVE THE EXISTING 21" DIA. PVC PIPELINE STRUCTURE FROM THE INTAKE TO THE EXISTING ACCESS GATE. THE NEW 30" DIA. HDPE PIPELINE WILL BE CONSTRUCTED IN THE SAME ALIGNMENT AS THE DEMOLISHED PIPELINE.
 - SAWCUT AND REMOVE EXISTING ACCLIMATION POND WALLS FOR NEW HEADBOX CHANNEL AND JUVENILE FISH RELEASE FOR NEW ACCLIMATION POND.
 - SAWCUT AND REMOVE THE EXISTING CONCRETE WALL IN THE NORTHWEST CORNER OF ACCLIMATION POND. DEMOLISHED WALL IS APPROXIMATELY 10' WIDE. REMOVE EXISTING CROWDER TRACK AND SUPPORTS FOR LATER INSTALLATION ON THE EAST END OF THE NEW CONCRETE HOLDING AREA EXTENSION.
 - REMOVE THE EXISTING PICKETT FISH BARRIER INCLUDING TRIPODS, CROSS-SUPPORTS, AND ANCHOR RAILS EMBEDDED IN THE EXISTING CONCRETE APRON. CONTRACTOR SHALL MODIFY THE EXISTING CONCRETE APRON AND ABUTMENT WALLS TO THE LIMITS AND DIMENSIONS SHOWN ON SHEETS S11 AND S12 TO ALLOW INSTALLATION OF NEW FISH BARRIER.
 - SAWCUT AND REMOVE THE EXISTING FISH LADDER WALLS TO ALLOW CONSTRUCTION OF A NEW AUXILIARY WATER SUPPLY CHAMBER AND DIFFUSER SCREEN. THE EXTENT OF THE WALL REMOVAL SHALL BE SHOWN ON SHEET S15.
 - CUT AND REMOVE EXISTING 4" PVC PERFORATED DRAIN PIPE. INSTALL A TEMPORARY CAP ON THE EXISTING PVC DRAIN AT THE PENETRATION FROM THE SPAWNING SHELTER TO ALLOW INSTALLATION OF THE DRAIN LINE UPON COMPLETION OF THE NEW ACCLIMATION POND.
 - REMOVE EXISTING PERIMETER FENCE TO ALLOW CONSTRUCTION OF THE NEW SEDIMENTATION BASIN. FOLLOWING CONSTRUCTION, THE PERIMETER FENCE SHALL BE REPLACED IN PLACE AND KIND. NEW FENCE SHALL MATCH VINYL COLOR OF EXISTING FENCE.
 - REMOVE EXISTING FISHWAY WALL TO ALLOW CONSTRUCTION OF A NEW DIFFUSER BOX AT THE LADDER ENTRANCE.
 - REMOVE THE EXISTING WELL PUMP, ELECTRICAL POWER CONDUIT AND WIRE, AND ASSOCIATED EQUIPMENT FROM THE EXISTING WELL. ONCE THE NEW WELL IS ON-LINE, FULLY TESTED, AND ACCEPTED, CONTRACTOR SHALL SEAL THE EXISTING WELL IN ACCORDANCE WITH THE STATE OF OREGON DEPARTMENT OF WATER RESOURCES REQUIREMENTS.



- DEMOLITION WORK ELEMENTS (CONT.):**
- REMOVE THE EXISTING STORAGE SHELTER FROM THE SOUTH SIDE OF THE SPAWNING SHELTER TO ALLOW CONSTRUCTION OF NEW ACCLIMATION POND. SALVAGE WOOD AND MATERIALS AND STOCKPILE IN A LOCATION DETERMINED BY THE OWNER.
 - RELOCATE EXISTING ELECTRICAL CONDUITS, CABLES, LIGHTS AND SIDES OF THE EXISTING ACCLIMATION POND TO ALLOW CONSTRUCTION OF THE NEW POND AND PIPELINES. CONDUITS AND CABLES SHALL BE FIELD ROUTED OUTSIDE OF THE CONSTRUCTION AREA AND RECONNECTED TO HR3.
 - REMOVE AND/OR PROTECT THE EXISTING HYDRAULIC POWER SUPPLY AND CABLEWAY TOWER DURING CONSTRUCTION. FOLLOWING CONSTRUCTION OF THE NEW AUXILIARY WATER SUPPLY BOX, RE-INSTALL THE EQUIPMENT TO ITS ORIGINAL LOCATION AND GRADE.

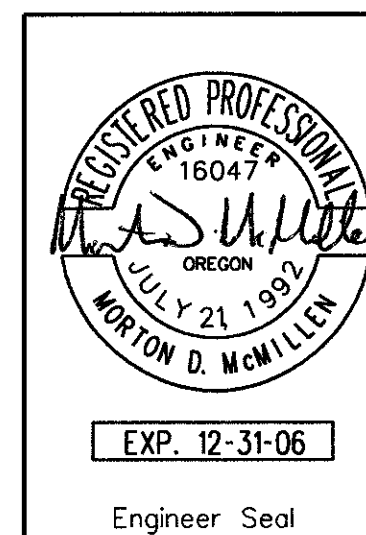
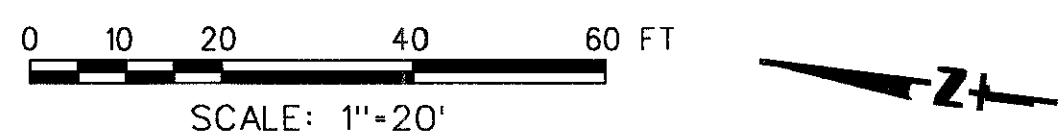


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UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON							
NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY DEMOLITION AND CLEARING/GRUBBING PLAN							
Design	M. McMILLEN						
Drawn	R. GUERRERO						
Chkd	S. SPICKELMIER						
Sub							
Rec							
Appr							
Date							
SERIAL	SOURCE	SHEET NO.	SHEET	REVISION			
		C1	OF				

NOTES:

1. CONSTRUCT A NEW 4' CONCRETE SIDEWALK AROUND THE PERIMETER OF THE ADULT HOLDING AREA EXTENSION. TIE THE NEW SIDEWALK TO THE EXISTING SIDEWALK ON THE NORTH AND SOUTH SIDES OF THE ADULT HOLDING AREA.
2. GRADE NEW ASPHALT PAVEMENT TO DRAIN FROM INSIDE CORNER AND AROUND CORNER OF NEW ACCLIMATION POND.
3. REMOVE ALL EXISTING ASPHALT PAVING ADD OR REMOVE BASE MATERIAL AS NECESSARY TO MATCH NEW GRADES.
4. PLACE NEW 3" OF 3/4" DENSE GRADED PLANTMIX PAVEMENT SECTION ON ALL AREAS TO BE PAVED, ACCESS ROAD AND MAIN HATCHERY AREAS.
5. INSTALL A SHEETPILE CUTOFF WALL FROM THE EXISTING WINGWALL TO THE FISH RECOVERY STRUCTURE. WALL SHALL SLOPE FROM EL. 3757.0 AT THE WINGWALL TO EL. 3759.0 AT THE FISH RECOVERY STRUCTURE. PROVIDE CONCRETE SEAL AT CONNECTION TO BOTH STRUCTURES.
6. INSTALL A SHEETPILE CUTOFF WALL FROM THE EXISTING FISH RECOVERY STRUCTURE TO THE EXISTING 3760.0 CONTOUR LOCATED APPROXIMATELY 200 FEET SOUTH OF THE FISH RECOVERY STRUCTURE.
7. INSTALL A NEW CATCH BASIN IN THE NEW DRAINAGE DITCH. INSTALL A NEW 12" STORM DRAIN FROM THE CATCH BASIN TO DAYLIGHT THROUGH THE EXISTING CONCRETE WALL. PIPE OUTFALL SHALL BE LOCATED ON THE DOWNSTREAM SIDE OF THE NEW OBERMEYER GATE. FIELD LOCATE CATCH BASIN AND STORM DRAIN AS REQUIRED TO FIT WITHIN THE NEW PROJECT FACILITIES.
8. CONTRACTOR SHALL PROTECT THE EXISTING 21" FISH RECOVERY DRAIN PIPE DURING CONSTRUCTION OF THE NEW SHEETPILE CUTOFF WALL.
9. CONTRACTOR SHALL REPAIR THE EXISTING ACCESS ROAD FOLLOWING CONSTRUCTION. ALL POTHOLES, DAMAGED SUBGRADE, AND DAMAGE TO THE EXISTING ROAD SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.

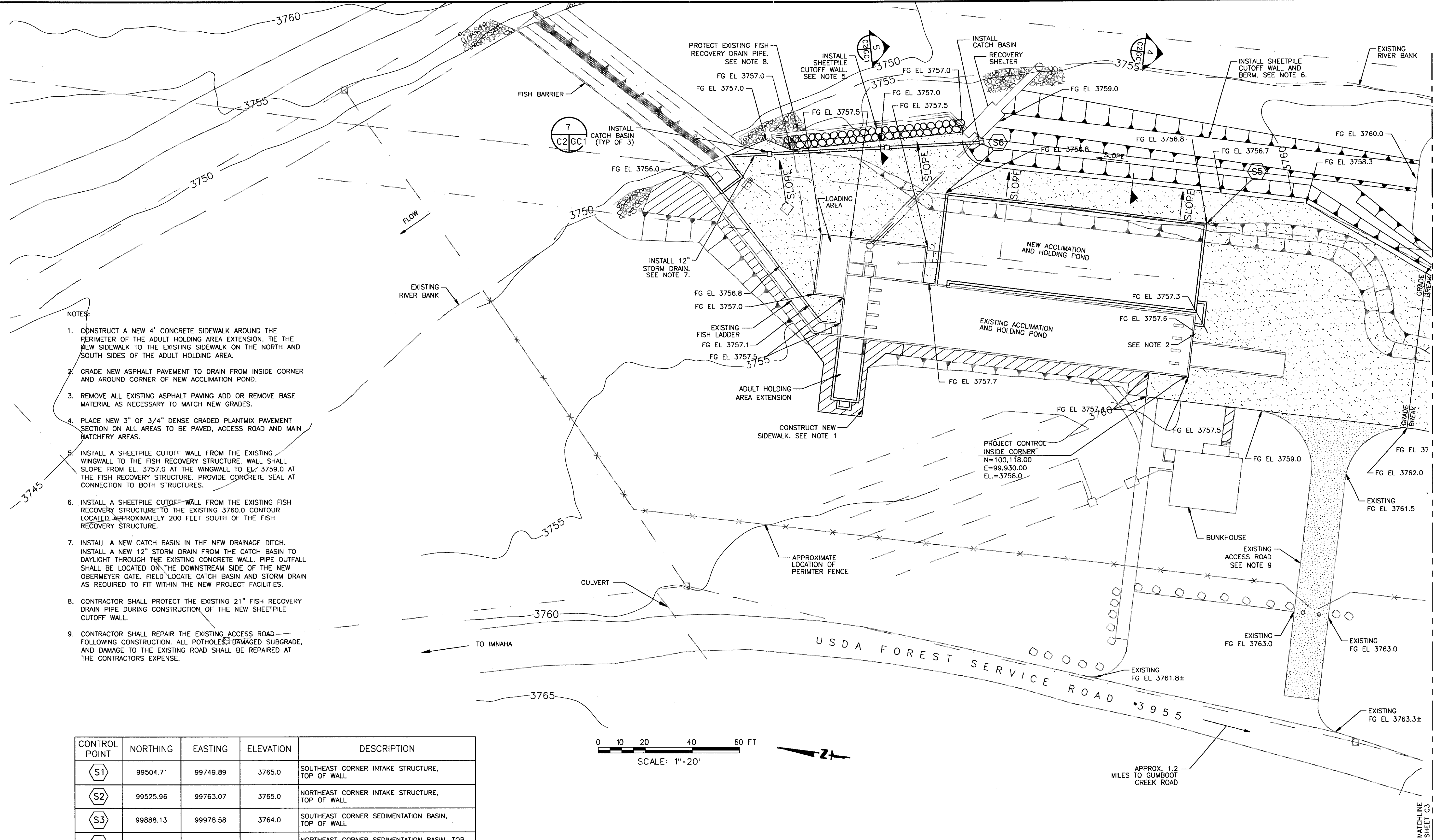
CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
S1	99504.71	99749.89	3765.0	SOUTHEAST CORNER INTAKE STRUCTURE, TOP OF WALL
S2	99525.96	99763.07	3765.0	NORTHEAST CORNER INTAKE STRUCTURE, TOP OF WALL
S3	99888.13	99978.58	3764.0	SOUTHEAST CORNER SEDIMENTATION BASIN, TOP OF WALL
S4	99988.05	99972.11	3762.0	NORTHEAST CORNER SEDIMENTATION BASIN, TOP OF WALL
S5	100117.32	99995.02	3758.0	SOUTHEAST CORNER NEW ACCLIMATION POND, TOP OF WALL
S6	100229.61	99993.36	3758.0	NORTHEAST CORNER NEW ACCLIMATION POND, TOP OF WALL
S7	99957.78	99908.18	3763.5	SOUTHEAST CORNER VEHICLE BUILDING, FINISHED FLOOR
S8	99997.73	99907.64	3763.5	NORTHEAST CORNER VEHICLE BUILDING, FINISHED FLOOR



HDR | FISPRO

ME | McMILLEN ENGINEERING
BOISE, IDAHO

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Drawn	R. GUERRERO	NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY SITE PLAN AND GRADING PLAN NORTH					
Chkd	S. SPICKELMIER	SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
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MATCHLINE SHEET C3

ISF_C-2_3.dwg

GRADE BREAK

100' POWER LINE EASEMENT

APPROXIMATE LOCATION OF PERIMETER FENCE

NEW SEDIMENTATION BASIN

VEHICLE ACCESS RAMP

DRAINAGE SWALE

ELECTRICAL TOWER

APPROXIMATE LOCATION OF PERIMETER FENCE

CONSTRUCT NEW VEHICLE PARKING BUILDING

STORAGE BUILDING

PROPANE FUEL TANKS

EXISTING FENCE. SEE NOTE 2

EXISTING GRAVEL ACCESS ROAD. SEE NOTE 1.

EXISTING RIVER BANK

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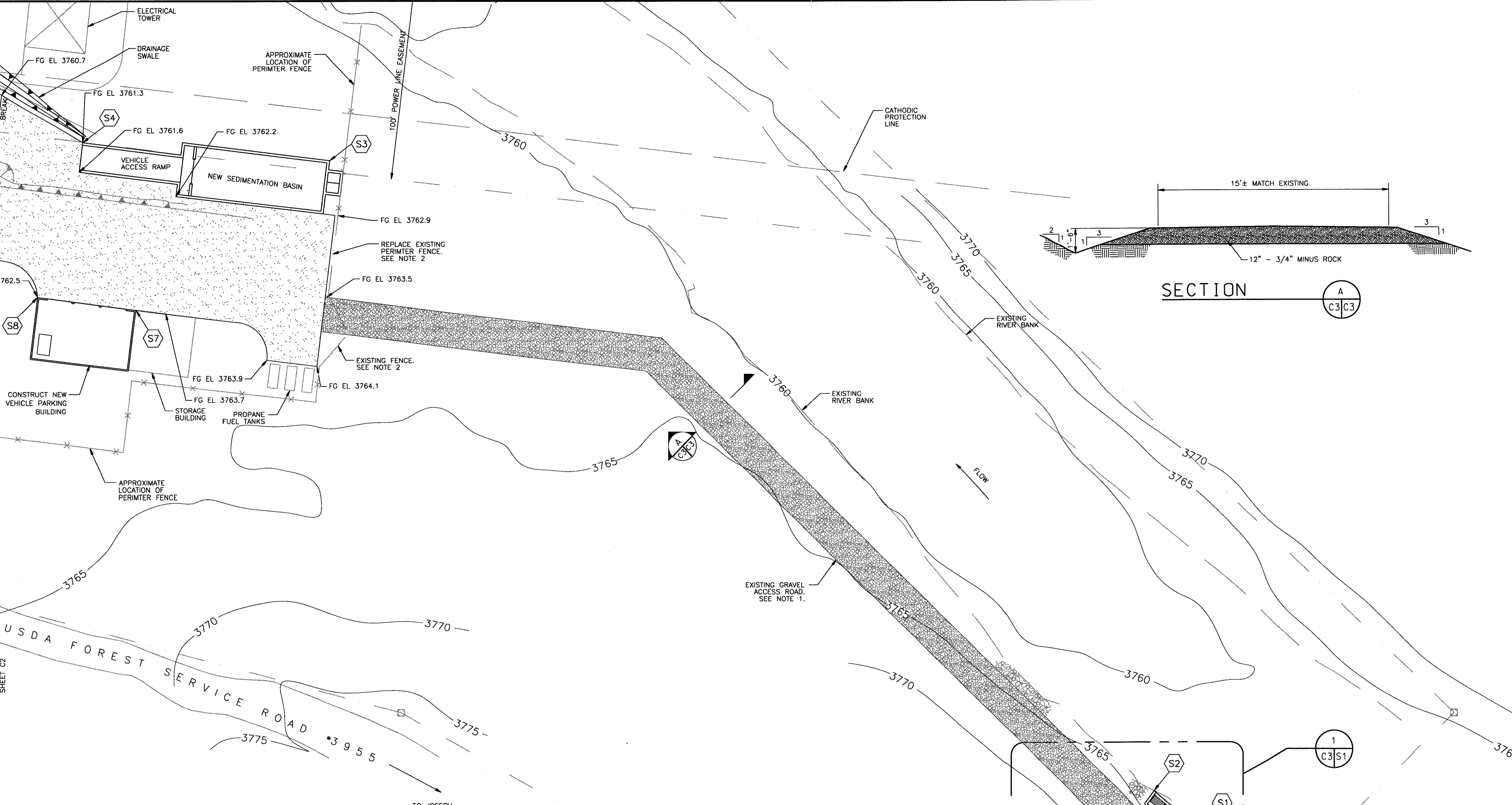
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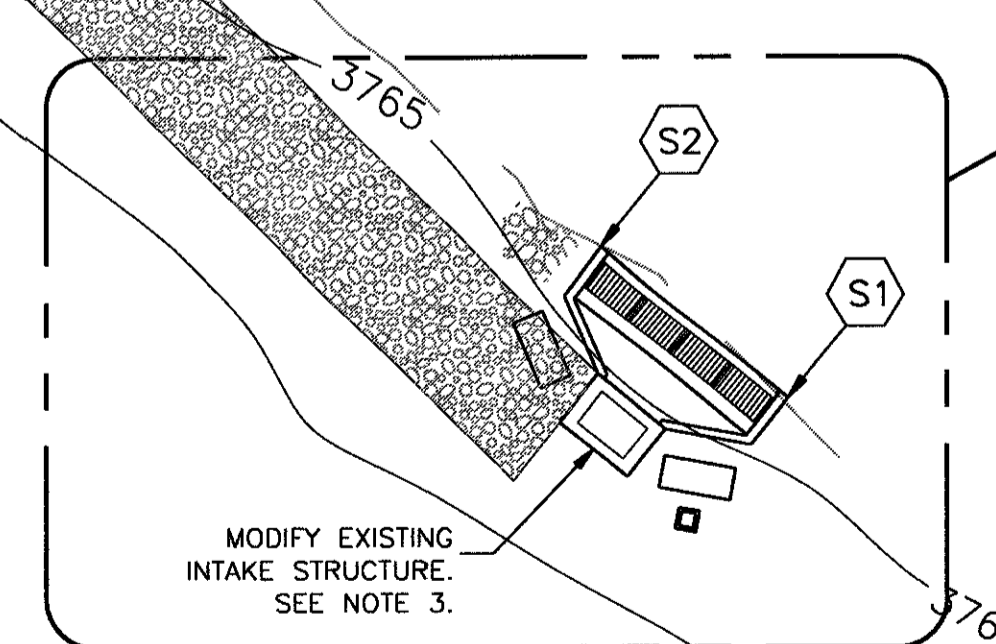
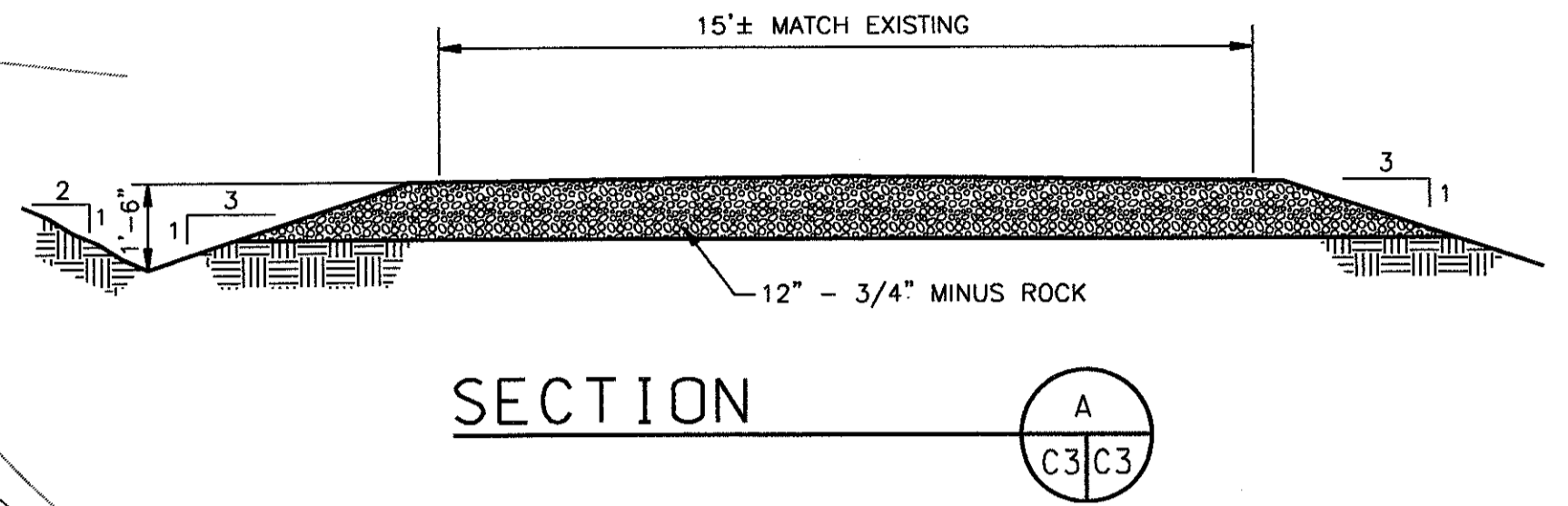
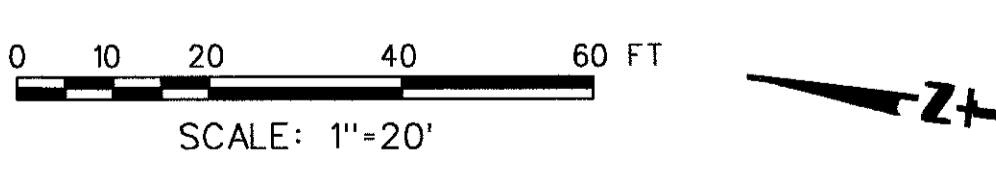
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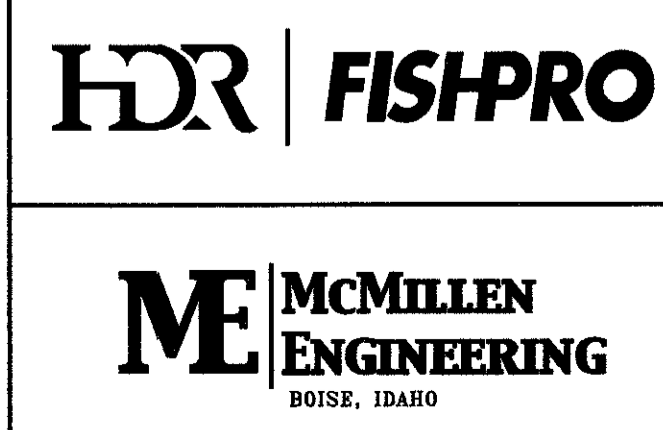
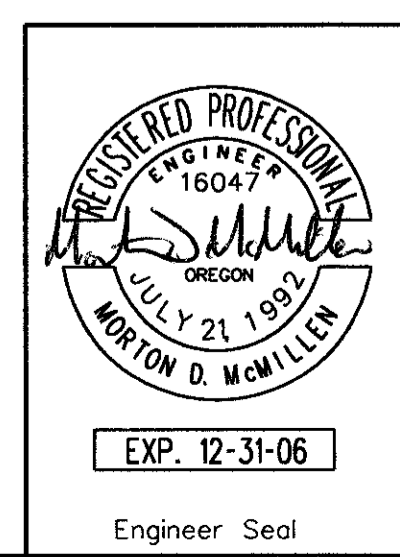


USDA FOREST SERVICE ROAD *3955 TO JOSEPH

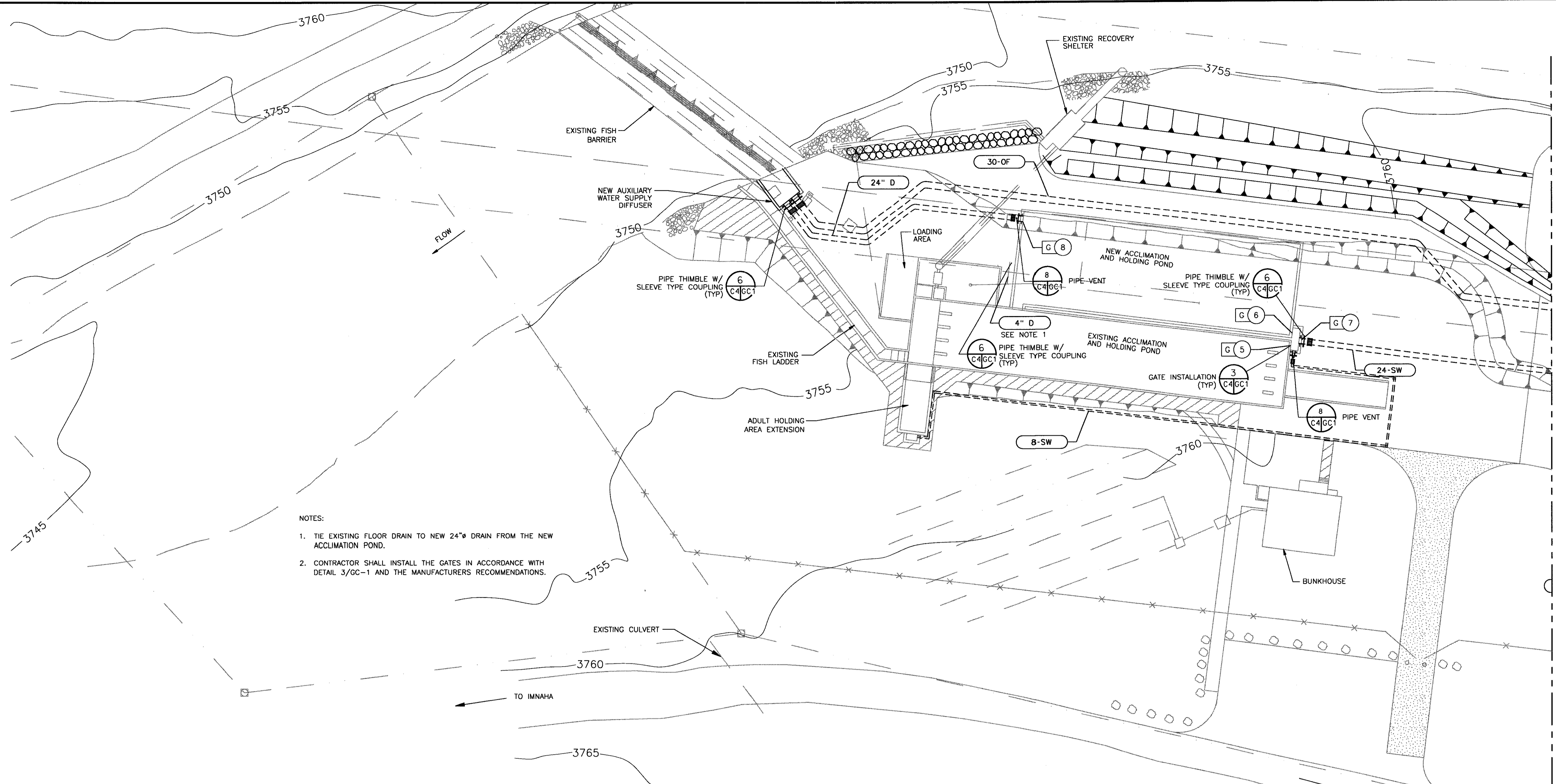
- NOTES:
- APPROXIMATE LOCATION OF EXISTING GRAVEL ACCESS ROAD TO SURFACE WATER INTAKE. CONTRACTOR SHALL RE-CONSTRUCT ACCESS ROAD WITHIN THE SAME ALIGNMENT AND FOOTPRINT AS THE EXISTING ACCESS ROAD. SEE TYPICAL THIS SHEET.
 - CONTRACTOR SHALL REPLACE THE EXISTING PERIMETER FENCE ON THE SAME ALIGNMENT AND WITH SAME MATERIAL FOLLOWING CONSTRUCTION.
 - NEW INTAKE STRUCTURE IS LOCATED ON THE SAME FOOTPRINT AS THE EXISTING INTAKE STRUCTURE. THE LOCATION OF THE STRUCTURE CORNERS AND ALIGNMENT SHALL BE STAKED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO INITIATING CONSTRUCTION ACTIVITIES. THE ENGINEER WILL MODIFY THE INTAKE ALIGNMENT WITH THE RIVER BANK IN THE FIELD IF REQUIRED.



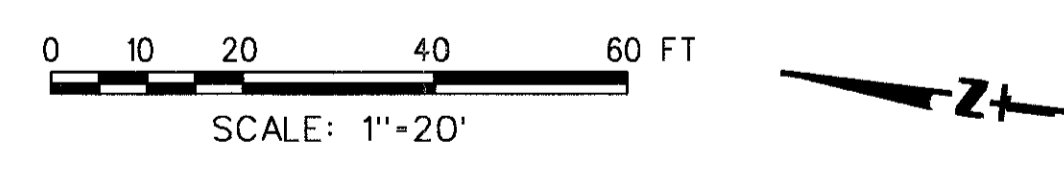
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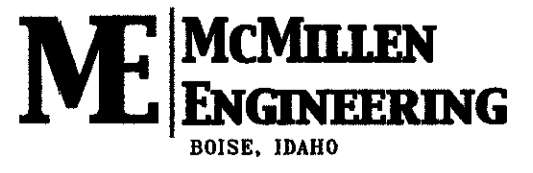
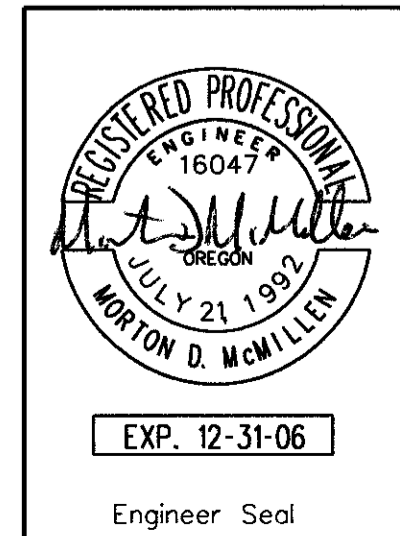
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Chkd	S. SPICKELMIER	HEADQUARTERS, PORTLAND, OREGON			
Sub		NORTHEAST OREGON HATCHERY PROGRAM			
Rec		IMNAHA SATELLITE FACILITY			
Rec		SITE PLAN			
Appr		AND GRADING PLAN			
Date		SOUTH			
SERIAL	SOURCE	SHEET NO.	SHEET	OF	REVISION
		C3			



- NOTES:
1. TIE EXISTING FLOOR DRAIN TO NEW 24" DRAIN FROM THE NEW ACCLIMATION POND.
 2. CONTRACTOR SHALL INSTALL THE GATES IN ACCORDANCE WITH DETAIL 3/GC-1 AND THE MANUFACTURERS RECOMMENDATIONS.

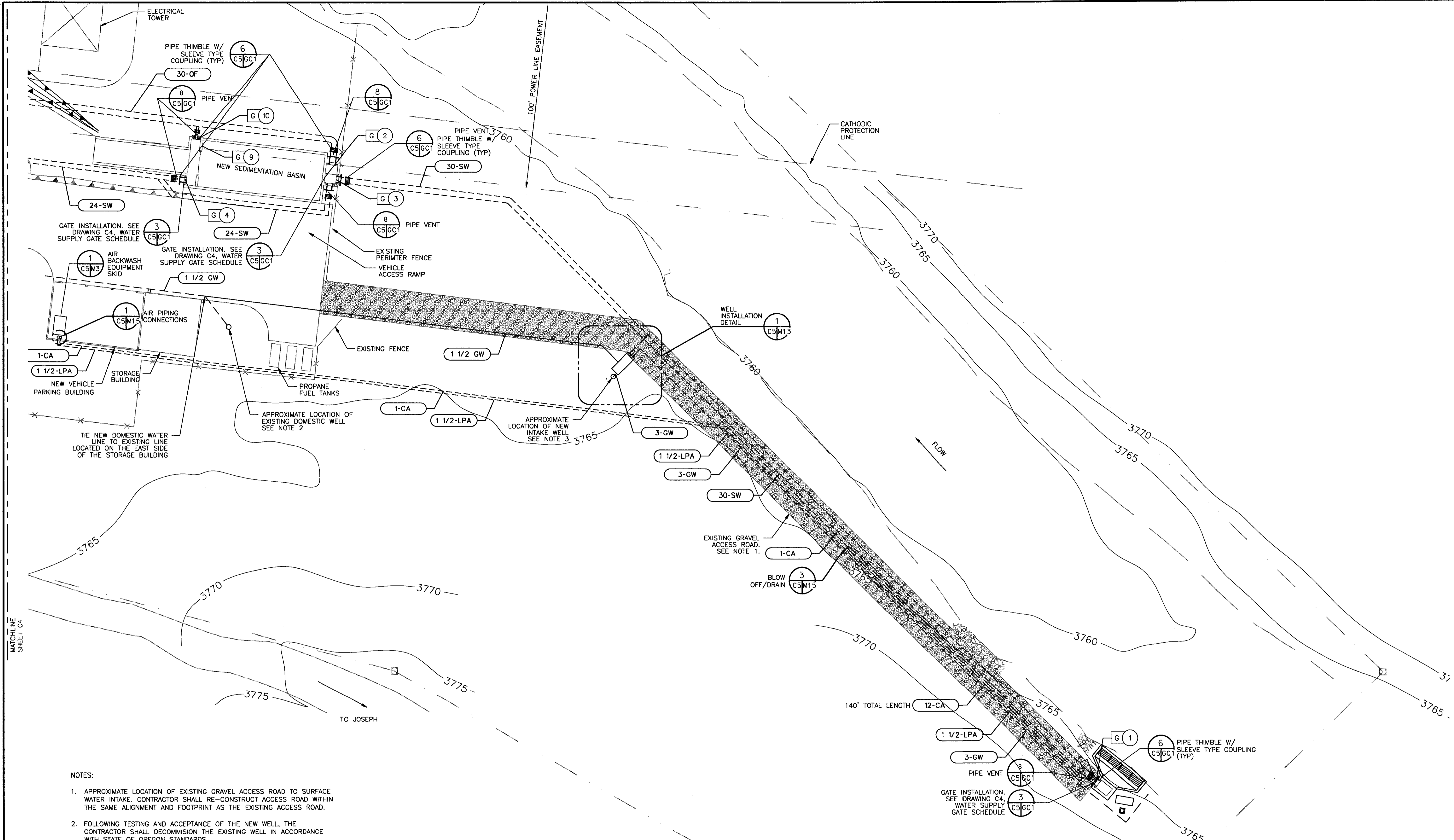


WATER SUPPLY GATE SCHEDULE				
GATE NO.	SIZE/TYPE	OPERATOR	LOCATION	INSTALLATION
G 1	30" CANAL	MANUAL WHEEL	INTAKE	SEE NOTE 2
G 2	30" CANAL	MANUAL WHEEL	SEDIMENTATION BASIN SPLITTER BOX	SEE NOTE 2
G 3	30" CANAL	MANUAL	SEDIMENTATION BASIN SPLITTER BOX	SEE NOTE 2
G 4	24" CANAL	MANUAL WHEEL	SEDIMENTATION BASIN	SEE NOTE 2
G 5	24" CANAL	MANUAL WHEEL	ACCLIMATION BASIN SPLITTER BOX	SEE NOTE 2
G 6	24" CANAL	MANUAL WHEEL	ACCLIMATION BASIN SPLITTER BOX	SEE NOTE 2
G 7	8" CANAL	MANUAL WHEEL	ACCLIMATION BASIN SPLITTER BOX	SEE NOTE 2
G 8	24" CANAL	MANUAL WHEEL	NEW ACCLIMATION POND DRAIN	SEE NOTE 2
G 9	12" SLIDE	MANUAL HANDLE	SEDIMENTATION BASIN	SEE NOTE 2
G 10	12" CANAL	MANUAL WHEEL	SEDIMENTATION BASIN	SEE NOTE 2



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C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: ISF_C-4_5.dwg						
Design	M. McMILLEN	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON				
Drawn	R. GUERRERO	NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY				
Chkd	S. SPICKELMIER	YARD PIPING PLAN NORTH				
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Appr						
Date		SERIAL	SOURCE	SHEET NO.	SHEET	REVISION
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MATCHLINE SHEET C3

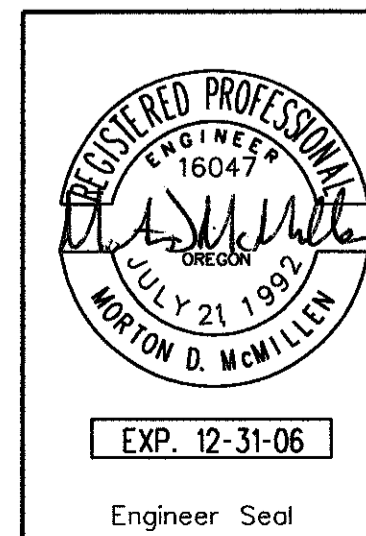


NOTES:

1. APPROXIMATE LOCATION OF EXISTING GRAVEL ACCESS ROAD TO SURFACE WATER INTAKE. CONTRACTOR SHALL RE-CONSTRUCT ACCESS ROAD WITHIN THE SAME ALIGNMENT AND FOOTPRINT AS THE EXISTING ACCESS ROAD.
2. FOLLOWING TESTING AND ACCEPTANCE OF THE NEW WELL, THE CONTRACTOR SHALL DECOMMISSION THE EXISTING WELL IN ACCORDANCE WITH STATE OF OREGON STANDARDS.
3. INSTALL NEW WELL PUMP AND DOMESTIC WATER LINE FROM THE WELL TO THE EXISTING STORAGE BUILDING. THE NEW WELL WAS DRILLED TO A DEPTH OF 224 FEET WITH AN 8-INCH I.D. STEEL CASING INSTALLED TO A DEPTH OF 145 FEET.



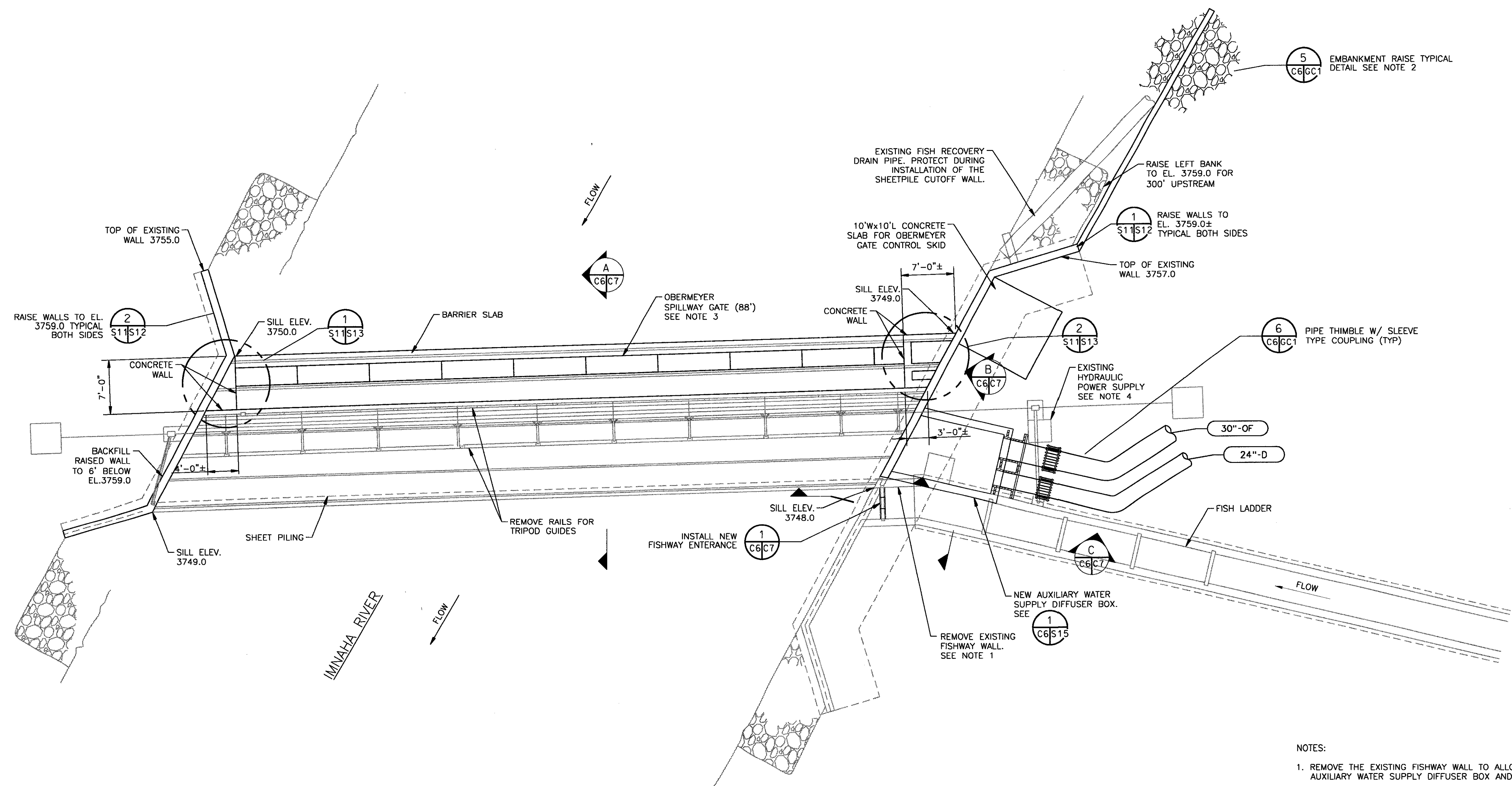
MATCHLINE SHEET C4



HDR | FISHPRO

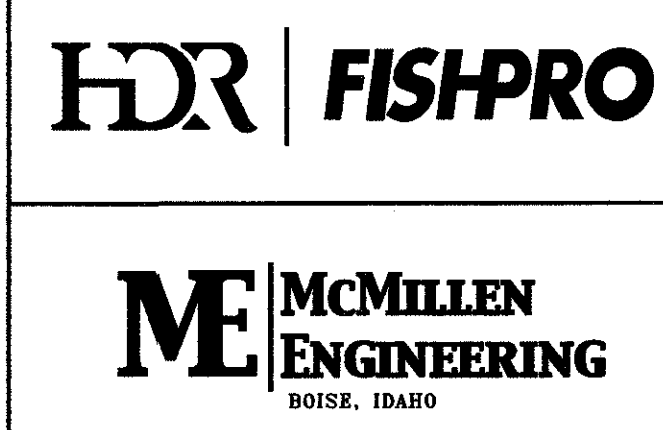
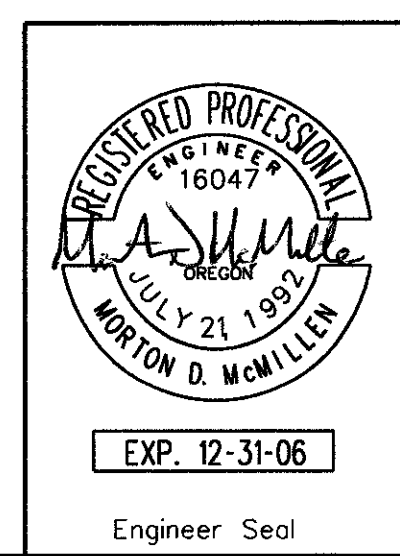
ME | McMILLEN ENGINEERING
 BOISE, IDAHO

NO.	W/O	COMPUTER	REVISION ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: ISF_C-4_5.dwg						
Design	M. McMILLEN	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON				
Drawn	R. GUERRERO	NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY				
Chkd	S. SPICKELMIER	YARD PIPING PLAN SOUTH				
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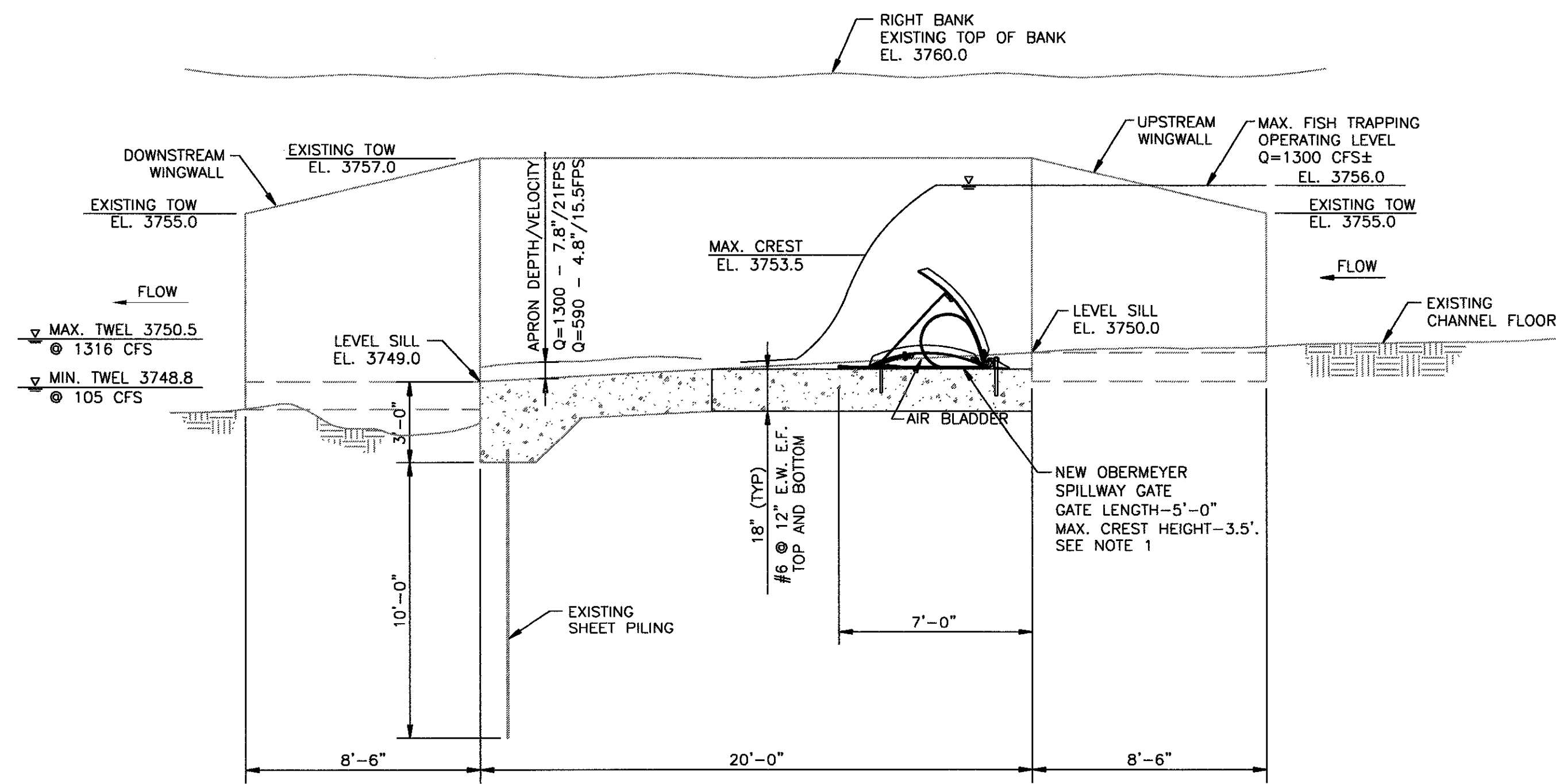


PLAN
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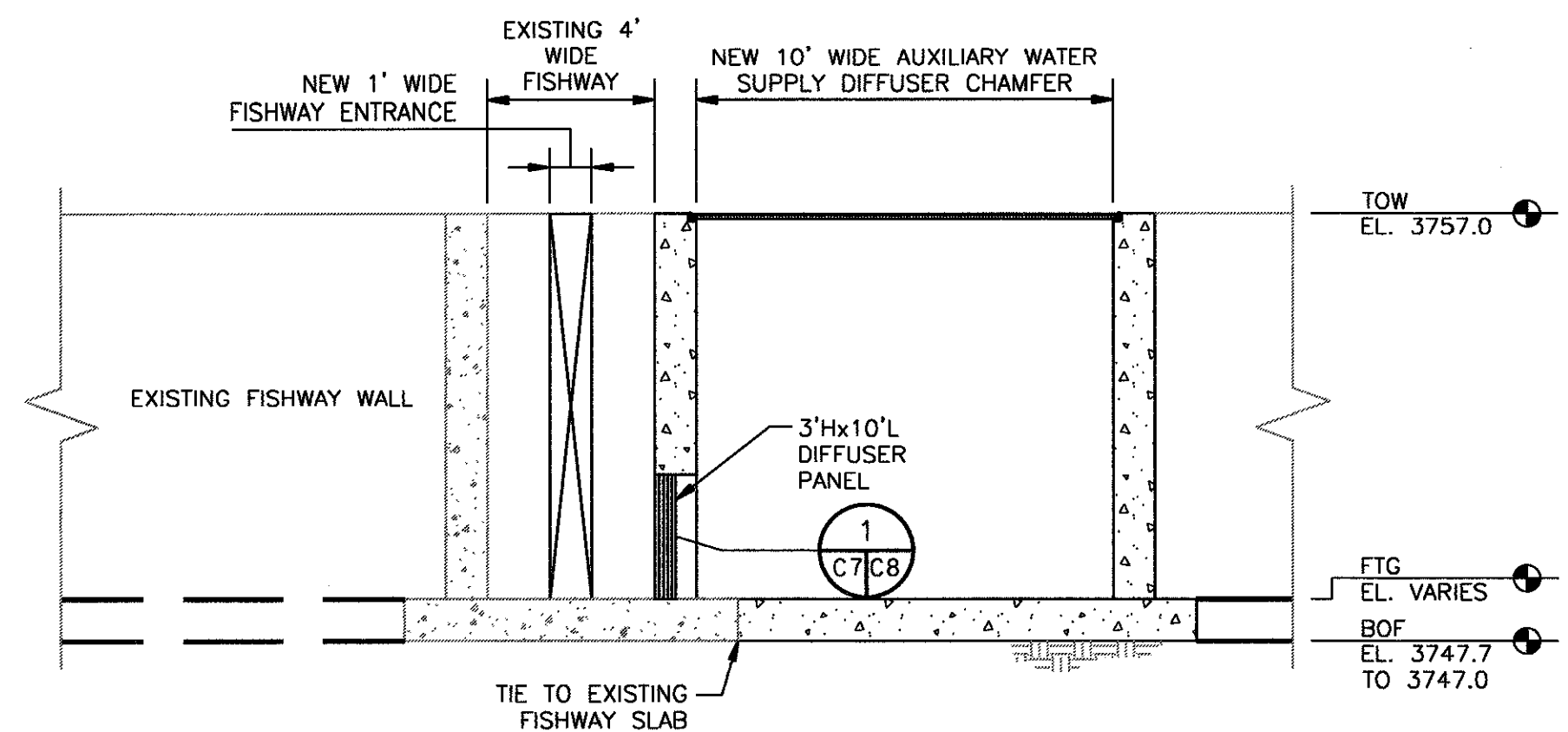
- NOTES:
1. REMOVE THE EXISTING FISHWAY WALL TO ALLOW INSTALLATION OF A NEW AUXILIARY WATER SUPPLY DIFFUSER BOX AND DIFFUSER SCREEN.
 2. CONTRACTOR SHALL RAISE THE EXISTING LEFT ABUTMENT TO THE EXISTING CONCRETE ABUTMENT TO A POINT APPROXIMATELY 300 FEET UPSTREAM. TIE THE NEW EMBANKMENT TO THE EXISTING HIGHER GROUND AT THIS LOCATION.
 3. INSTALL A NEW OBERMEYER SPILLWAY GATE. SEE SHEET S12.
 4. REMOVE EXISTING HYDRAULIC POWER SUPPLY AND ELECTRICAL FOR CONSTRUCTION ON NEW AUXILIARY WATER SUPPLY DIFFUSER. REINSTALL FOLLOWING COMPLETION OF THE NEW CONSTRUCTION.



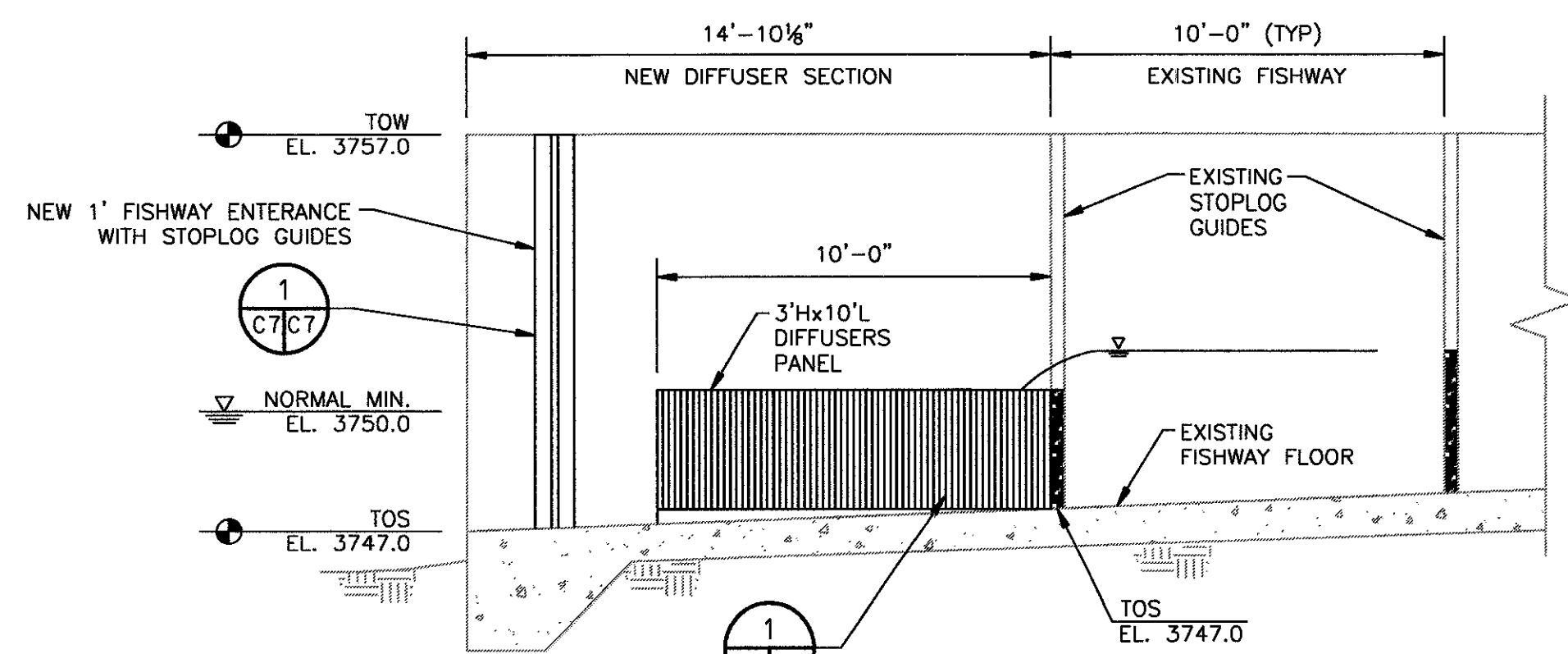
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C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: ISF_C-6-7-8.dwg							
Design	M. McMILLEN	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON					
Drawn	R. GUERRERO	NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY FISH LADDER AND BARRIER MODIFICATIONS PLAN					
Chkd	S. SPICKELMIER	SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
Sub	---			C6	--OF--		
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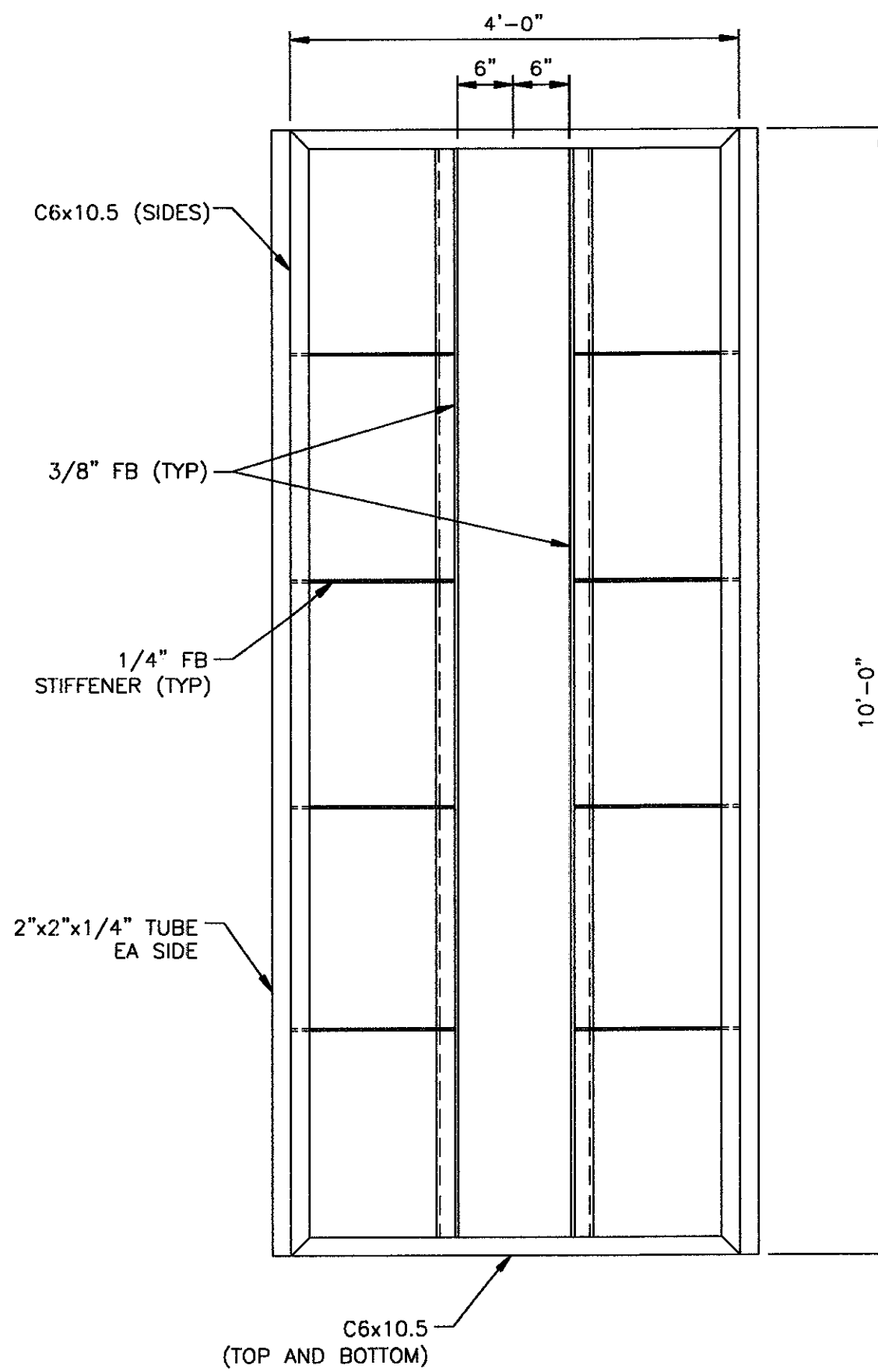
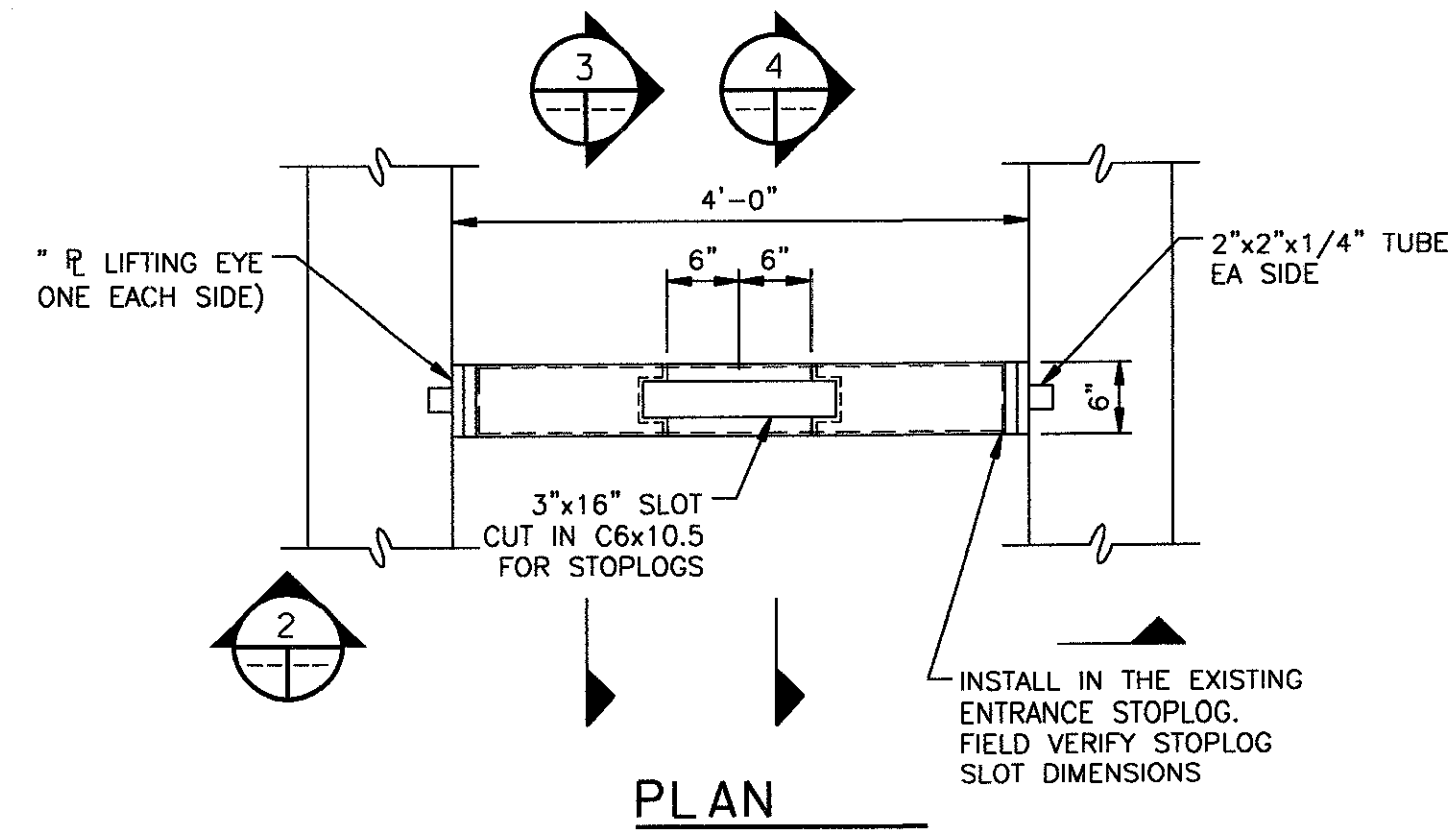


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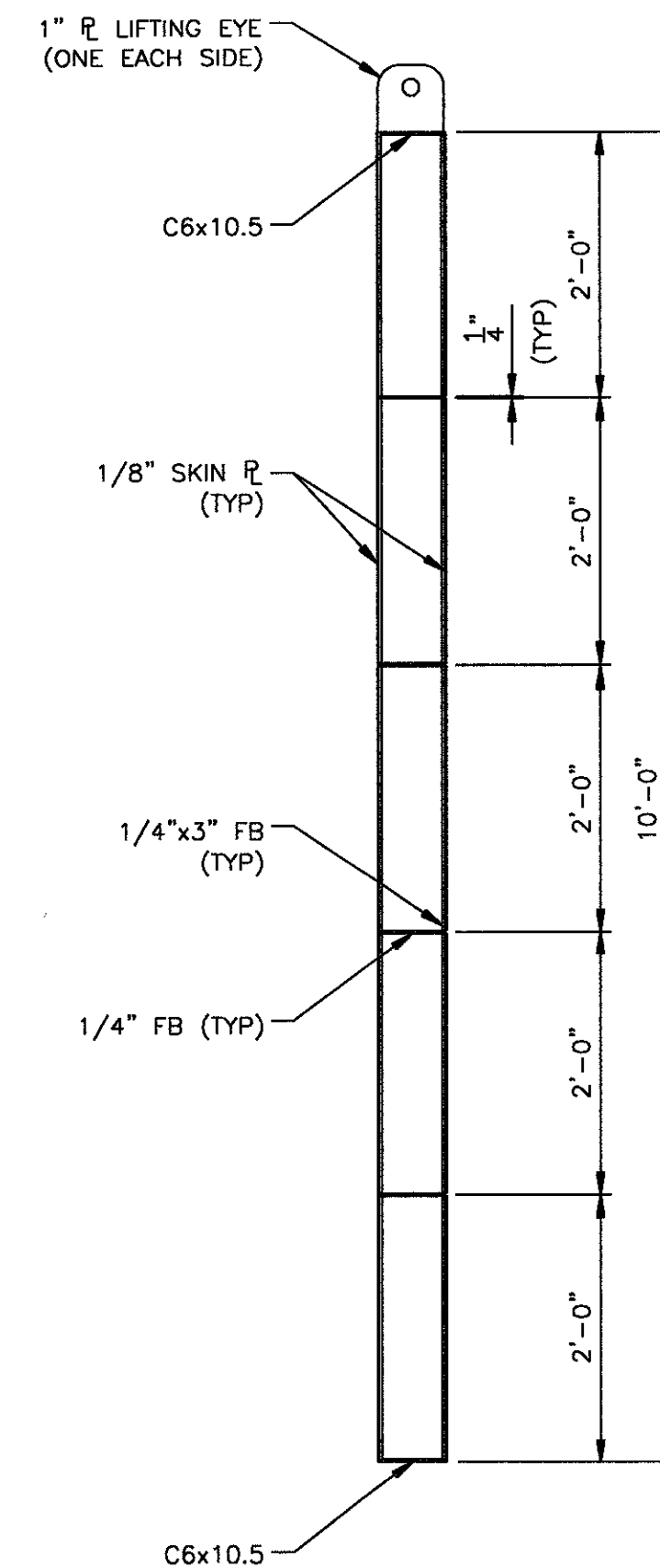


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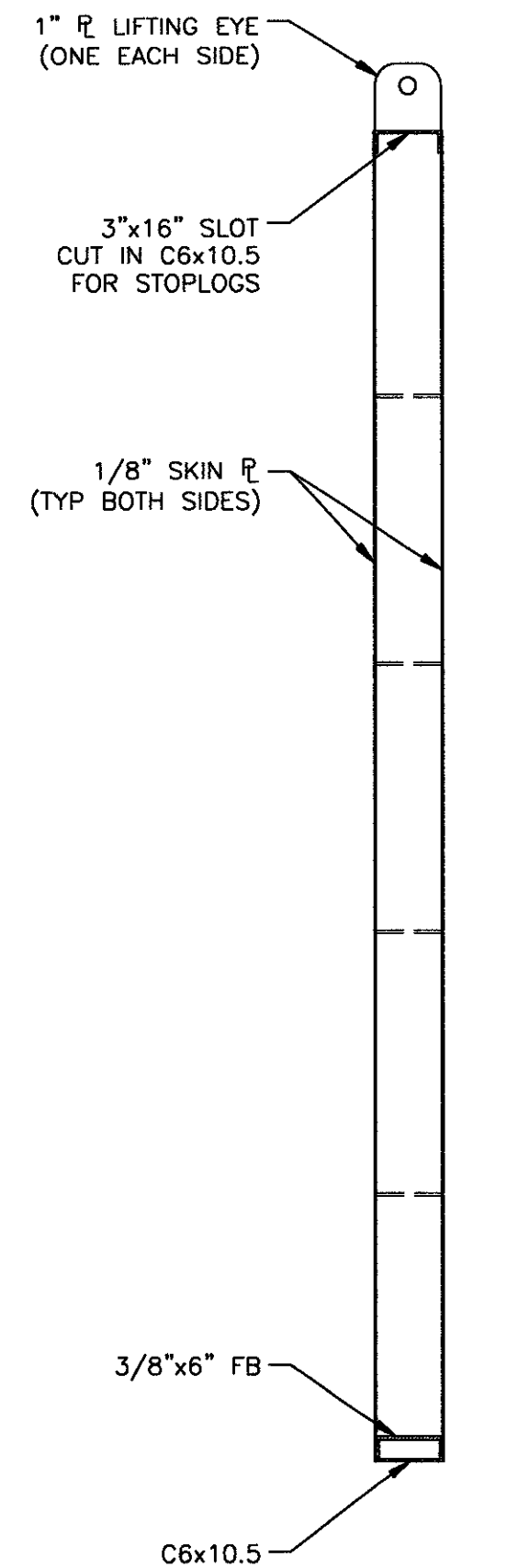
NOTES:
1. INSTALL A NEW OBERMEYER SPILLWAY GATE.



SECTION 2

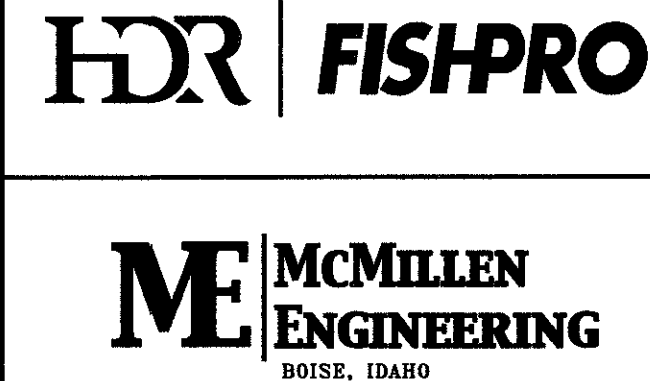
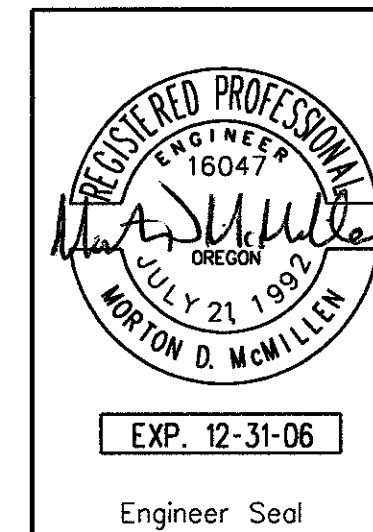


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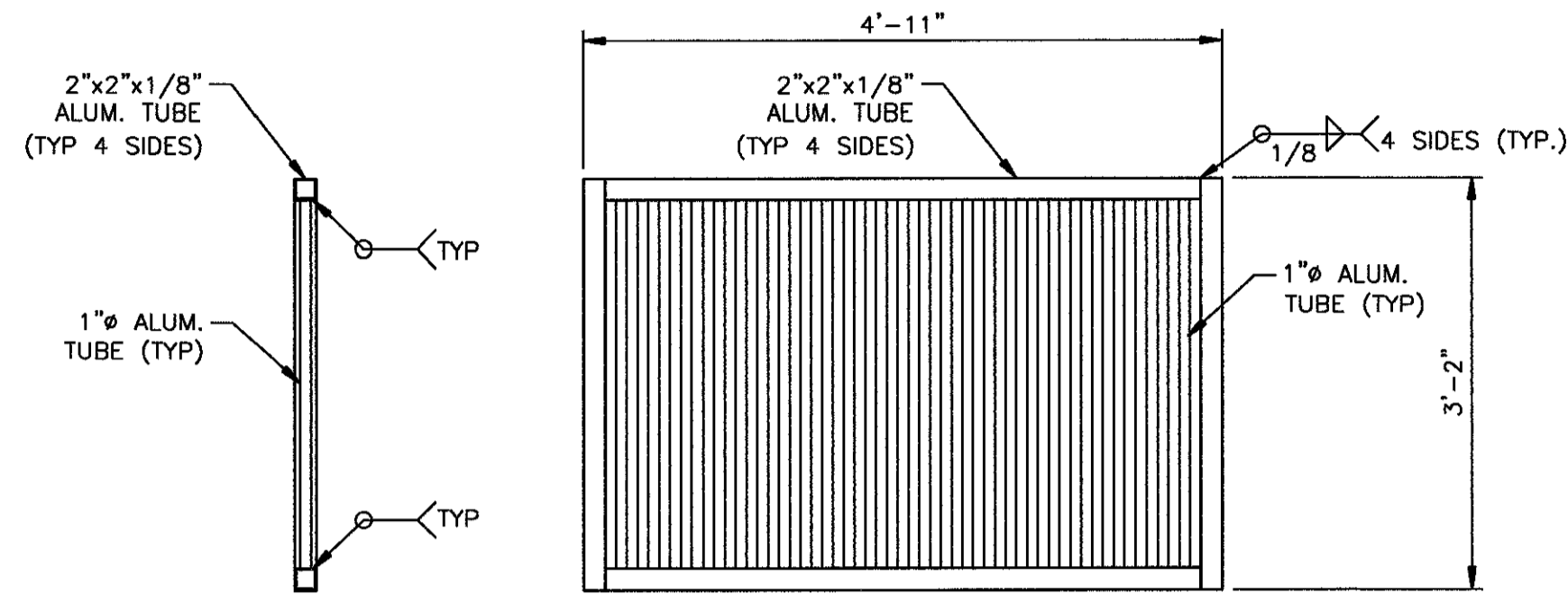
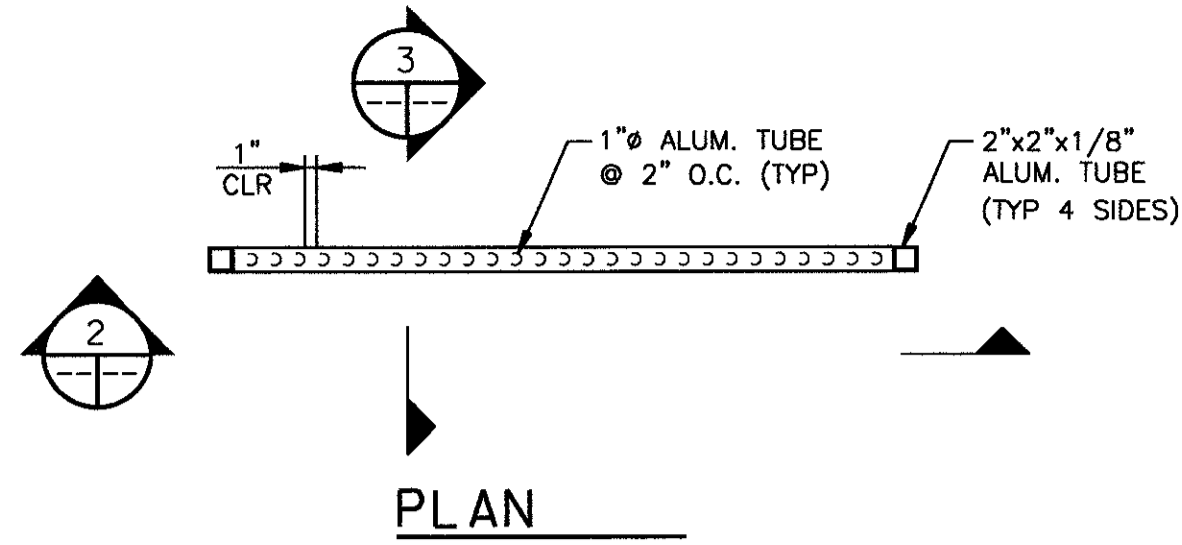


SECTION 4

FISHWAY ENTRANCE
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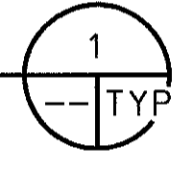
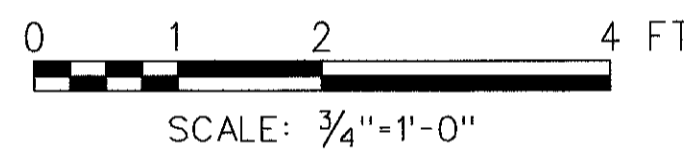


NO.	W/O	COMPUTER REVISION ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: ISF_C-6-7-8.dwg					
Design	M. McMullen	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON			
Drawn	R. GUERRERO	NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY FISH LADDER AND BARRIER MODIFICATIONS SECTIONS			
Chkd	S. SPICKELMIER	SERIAL	SOURCE	SHEET NO.	SHEET
Sub	---	---	---	C7	---OF---
Rec	---	---	---	---	---
Rec	---	---	---	---	---
Appr	---	---	---	---	---
Date	---	---	---	---	---

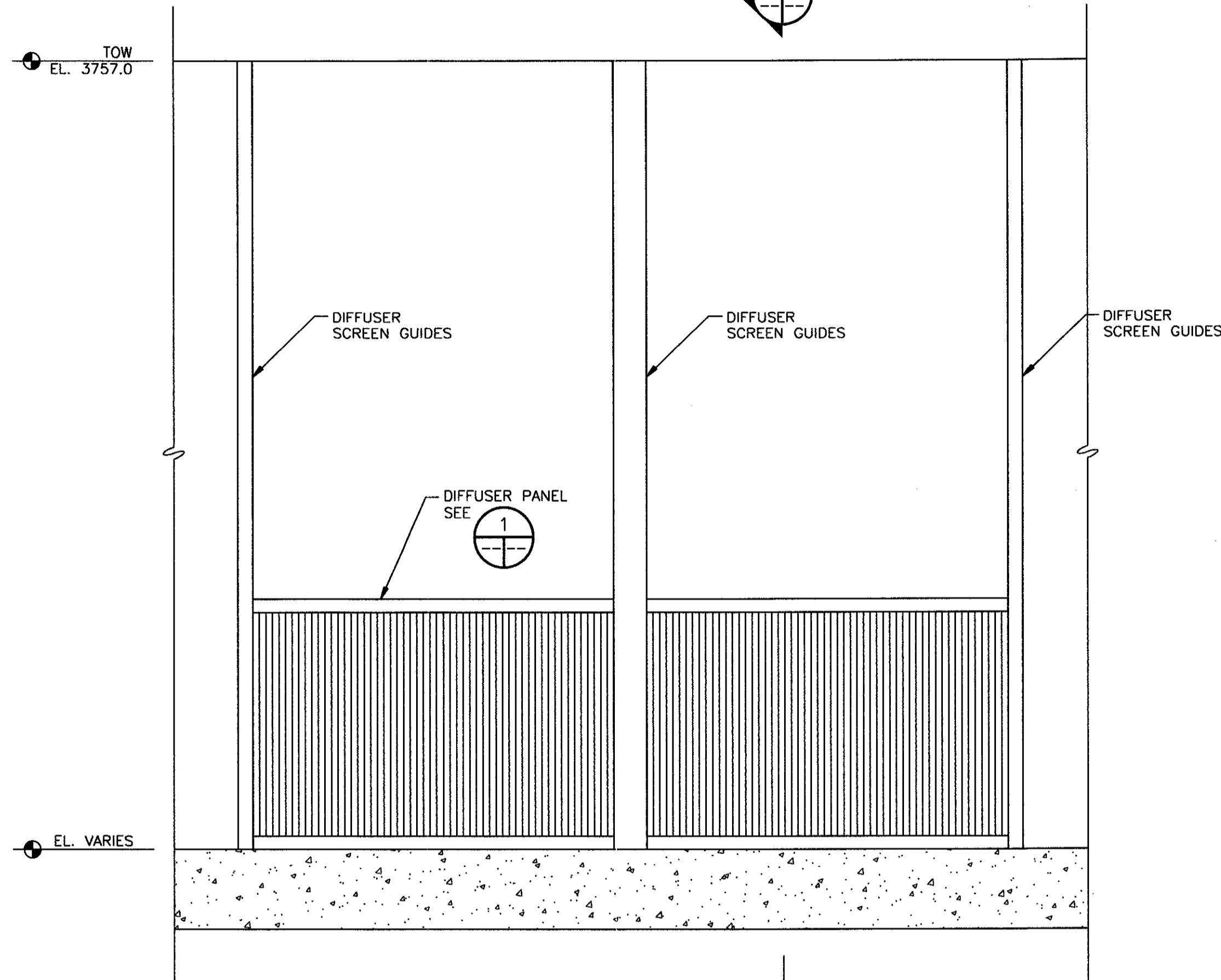


SECTION 3 SECTION 2

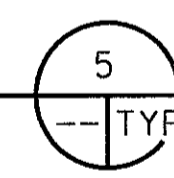
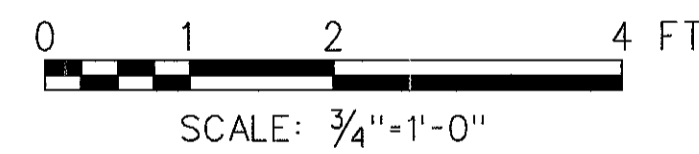
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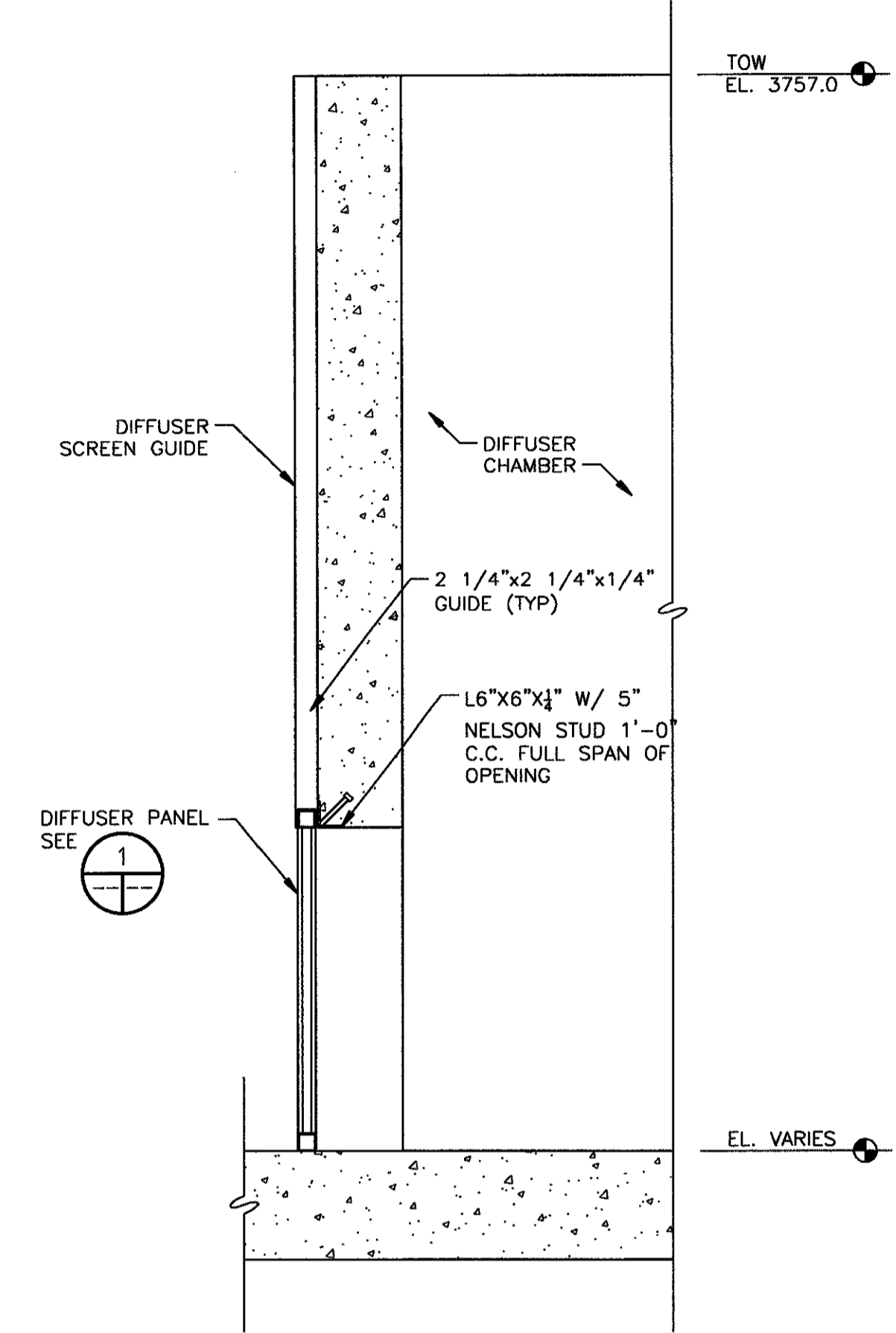
TOW EL. 3757.0



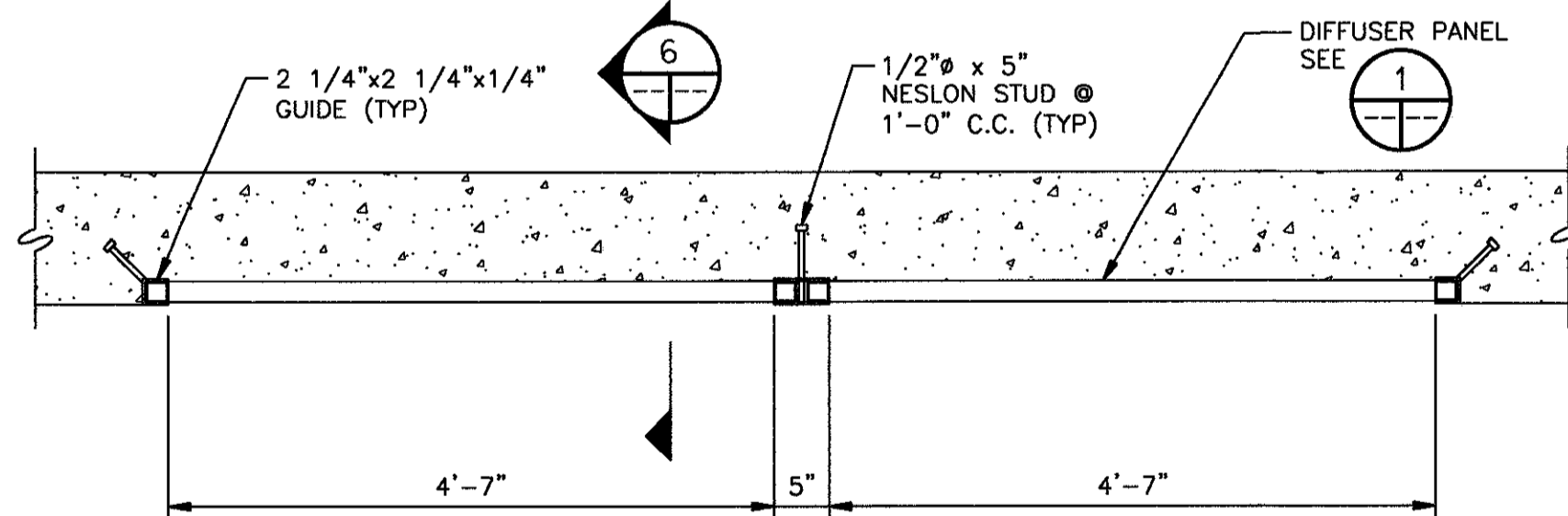
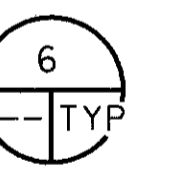
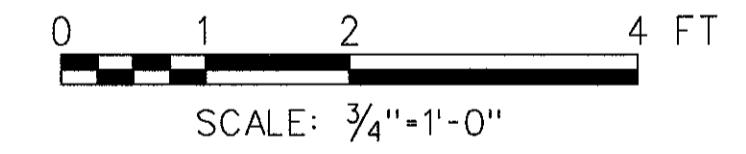
FISHWAY ENTRANCE DIFFUSER PANEL



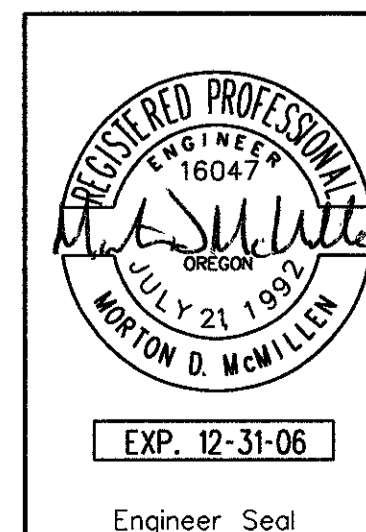
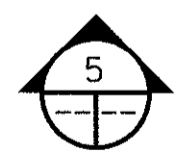
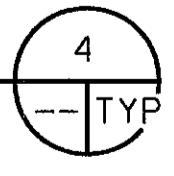
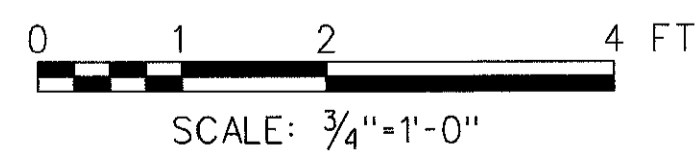
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FISHWAY ENTRANCE DIFFUSER PANEL

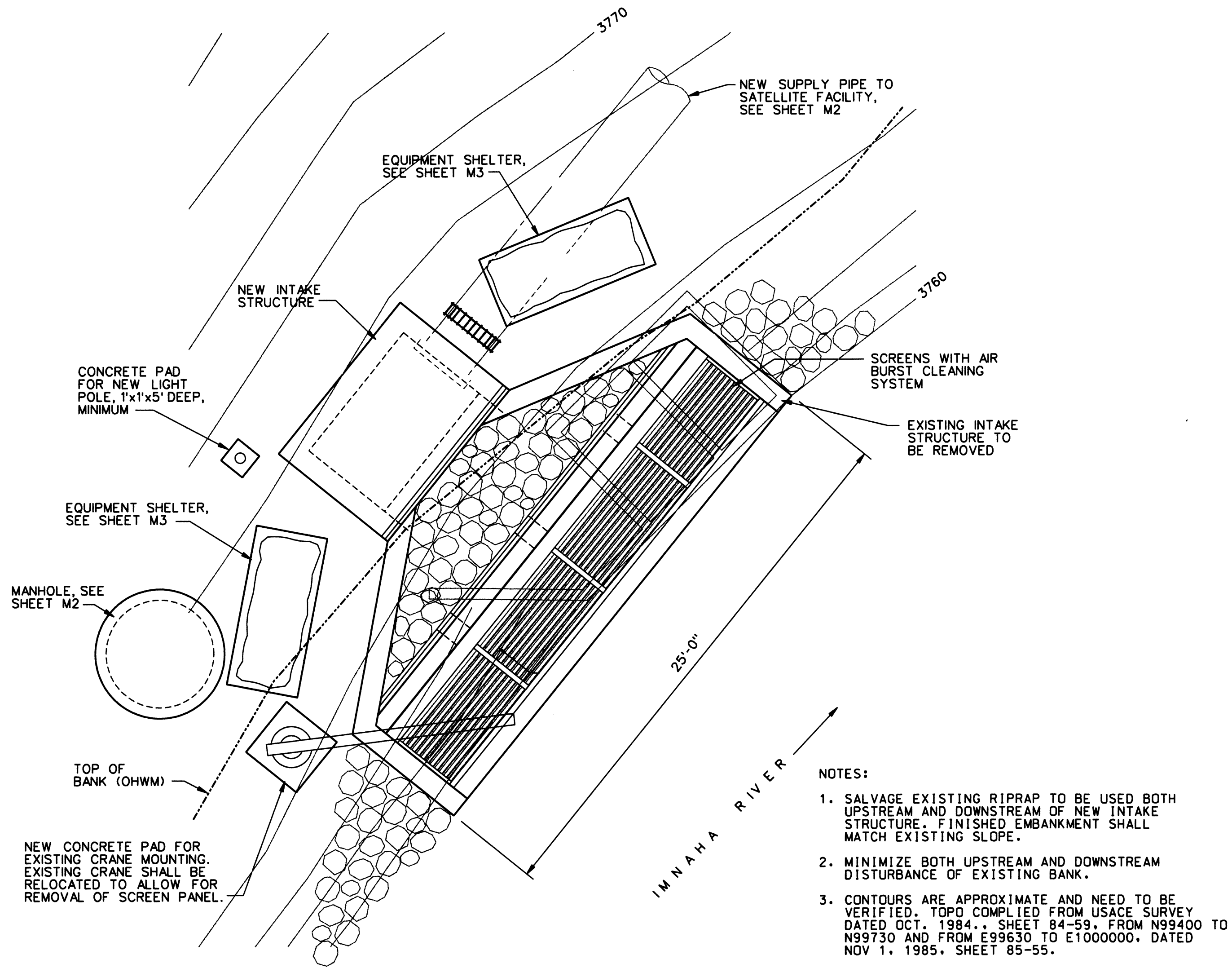


FISHWAY ENTRANCE AUXILIARY WATER SUPPLY DIFFUSER PANEL



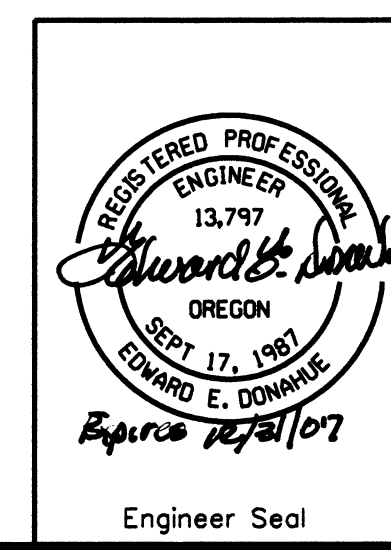
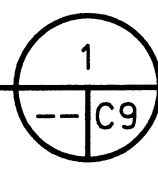
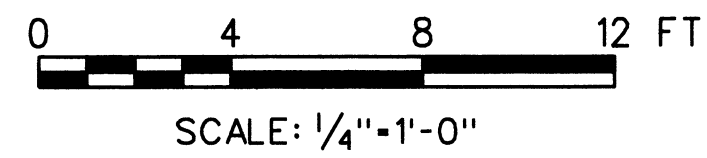
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UNITED STATES DEPARTMENT OF ENERGY							
BONNEVILLE POWER ADMINISTRATION							
HEADQUARTERS, PORTLAND, OREGON							
NORTHEAST OREGON HATCHERY PROGRAM							
IMNAHA SATELLITE FACILITY							
FISH LADDER AND BARRIER MODIFICATIONS							
DETAILS							
SERIAL	SOURCE	SHEET NO.	SHEET	REVISION			
		C8	--OF--				

Design M. McMullen
Drawn R. Guerrero
Chkd S. Spickelmeier
Sub ---
Rec ---
Rec ---
Appr ---
Date ---



- NOTES:
1. SALVAGE EXISTING RIPRAP TO BE USED BOTH UPSTREAM AND DOWNSTREAM OF NEW INTAKE STRUCTURE. FINISHED EMBANKMENT SHALL MATCH EXISTING SLOPE.
 2. MINIMIZE BOTH UPSTREAM AND DOWNSTREAM DISTURBANCE OF EXISTING BANK.
 3. CONTOURS ARE APPROXIMATE AND NEED TO BE VERIFIED. TOPD COMPLIED FROM USACE SURVEY DATED OCT. 1984. SHEET 84-59. FROM N99400 TO N99730 AND FROM E99630 TO E1000000. DATED NOV 1, 1985. SHEET 85-55.

INTAKE PLAN



NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED
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Design	JDN	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON					
Drawn	ACB	NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY					
Chkd	EED	SURFACE WATER INTAKE SITE PLAN					
Sub		SERIAL	SOURCE	SHEET NO.	SHEET	OF	REVISION
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Appr							
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