



WASHINGTON DEPARTMENT OF FISH AND WILDLIFE

GARRISON SPRINGS HATCHERY INTAKE & PIPELINE PE:H36:2020-1

INDEX

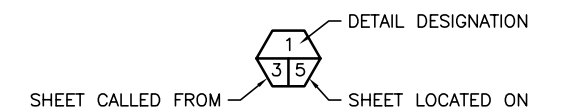
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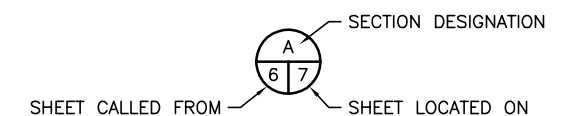
ABBREVIATIONS

ALUM	-	ALUMINUM
L	-	ANGLE
APPROX	-	APPROXIMATELY
BM	-	BENCH MARK
CL	-	CENTERLINE
CMP	-	CORRUGATED METAL PIPE
CLR	-	CLEARANCE
CONC	-	CONCRETE
CSBC	-	CRUSHED SURFACE BASE COURSE
CSTC	-	CRUSHED SURFACE TOP COURSE
DIA	-	DIAMETER
ELEV	-	ELEVATION
FB	-	FLAT BAR
FTG	-	FOOTING
GALV	-	GALVANIZED
ID	-	INSIDE DIAMETER
IE	-	INVERT ELEVATION
MFG	-	MANUFACTURER'S
MISC	-	MISCELLANEOUS
OC	-	ON CENTER
OD	-	OUTSIDE DIAMETER
PL	-	PLATE
REQ'D	-	REQUIRED
SEC	-	SECTION
SPEC'S	-	PROJECT SPECIFICATIONS
SS	-	STAINLESS STEEL
TYP	-	TYPICAL
WS	-	WATER SURFACE

SHEET SYMBOLS



DETAIL



SECTION



NOTE REFERENCE

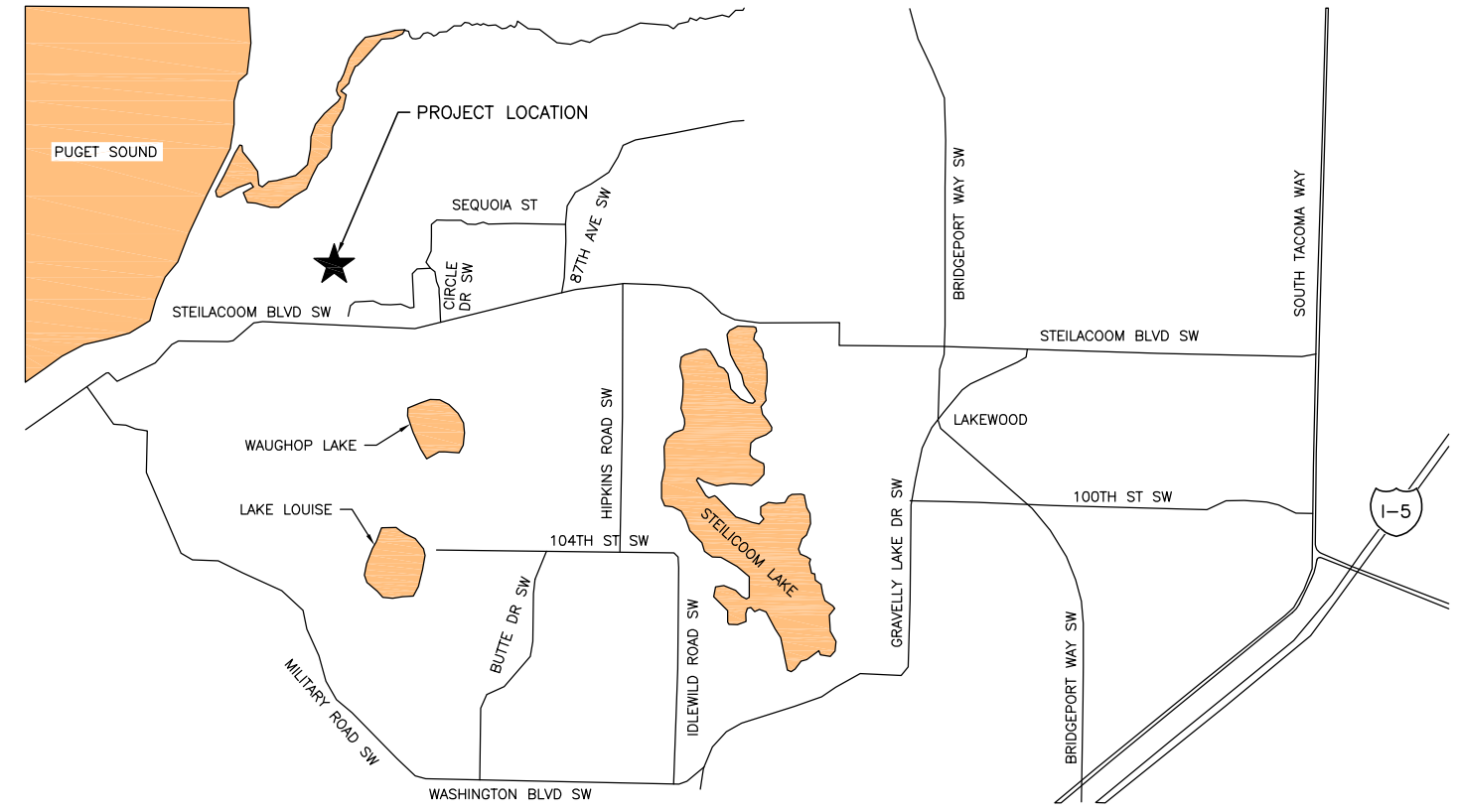
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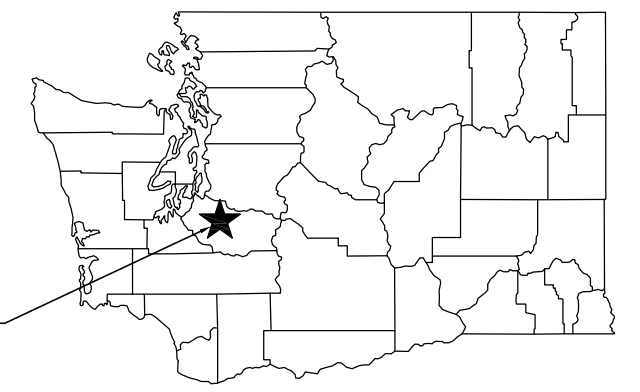
SHEET	OF
1	8



EXISTING SITE PLAN
SCALE: 1" = 60'



VICINITY MAP
NOT TO SCALE



STATE MAP
NOT TO SCALE



KNOW WHAT'S BELOW
CALL BEFORE YOU DIG

PROPERTY INFORMATION:	
ADDRESS:	DRWR A-9601 STEILACOOM BLVD TACOMA, WA 98498
COUNTY:	PIERCE
PARCEL #:	053-0220321022 9,396,328 SF
LAT:	47.180945
LONG:	-122.573057
TOWNSHIP:	20
RANGE:	2 E
SECTION:	48

NOT APPROVED FOR CONSTRUCTION. REVIEW ONLY

DATE	REVISION DESCRIPTION	BY
	APPROVED AND RELEASED FOR CONSTRUCTION	
CHIEF ENGINEER	DATE:	
PROGRAM	DATE:	

0 1"
BAR MEASURES
ONE INCH ON
24x36 DRAWINGS

DESIGNED BY K. SMITH
CHECKED BY
DRAWN BY N. WHITE
DATE 3-23-2020

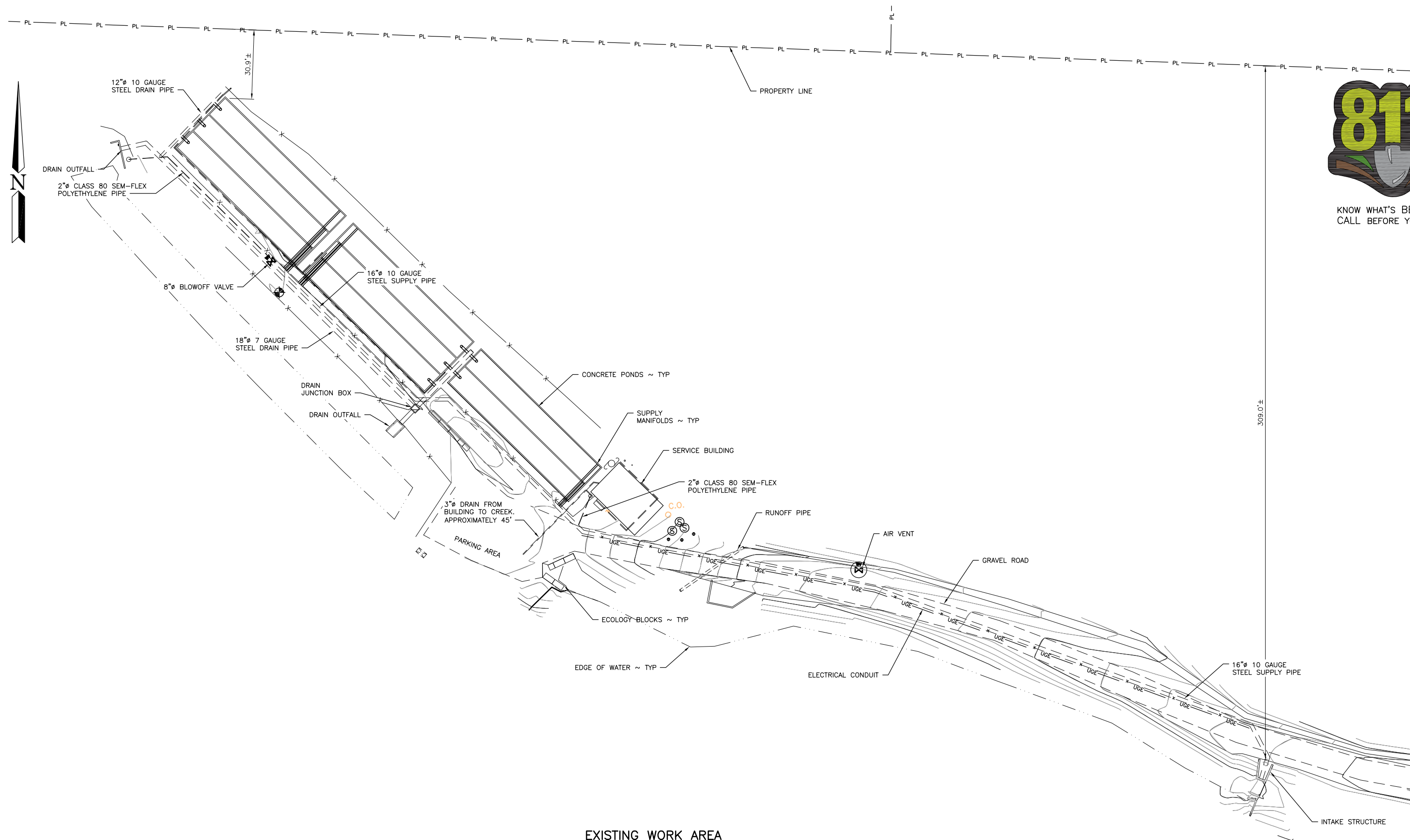
WASHINGTON DEPARTMENT OF
FISH & WILDLIFE

GARRISON SPRINGS HATCHERY
INTAKE & PIPELINE
EXISTING SITE PLAN, VICINITY & STATE MAP

PROJECT NO.
PE:H36:2020-1
SHEET 2 OF 8



KNOW WHAT'S BELOW
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EXISTING WORK AREA
SCALE: 1" = 20'

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INTAKE & PIPELINE
EXISTING WORK AREA

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SHEET	OF
3	8



4
48

REPLACE 40 LINEAR FEET OF EXISTING DRAIN PIPE WITH 12" DR 21 HDPE & ALL ASSOCIATED VALVING & COUPLINGS

TELESCOPIC STANDPIPE @ EACH DRAIN ~ TYP

DRAIN OUTFALL

REPLACE 2" VALVE

REPLACE 2" WASHDOWN PIPE WITH 2" PVC PIPE AND ALL ASSOCIATE VALVING & COUPLINGS

REPLACE BLOW OFF VALVE

REPLACE 180 LINEAR FEET OF EXISTING DRAIN PIPE WITH 18" DR 21 HDPE & ALL ASSOCIATED VALVING & COUPLINGS

REPLACE EXISTING SUPPLY MANIFOLDS ~ TYP

REPLACE 35 LINEAR FEET OF EXISTING DRAIN PIPE WITH 18" DR 21 HDPE

CONCRETE PONDS ~ TYP

DRAIN JUNCTION BOX

DRAIN OUTFALL

ECOLOGY BLOCK WALL

REPLACE 16" GAUGE 10 STEEL PIPE WITH NEW 18" DR 21 HDPE PIPE & ALL ASSOCIATED VALVING & COUPLINGS

PARKING AREA

ECOLOGY BLOCKS ~ TYP

SERVICE BUILDING

1
47

RUNOFF PIPE

REPLACE AIR VENT AND ASSOCIATED PIPING. STRUCTURE TO REMAIN

REPLACE 16" GAUGE 10 STEEL PIPE WITH NEW 18" DR 21 HDPE PIPE & ALL ASSOCIATED VALVING & COUPLINGS

ELECTRICAL CONDUIT

EDGE OF WATER ~ TYP

INTAKE STRUCTURE. REPLACE SLIDE GATE AND 16" VALVE

2
48

PROPOSED WORK AREA SITE PLAN

SCALE: 1" = 20'

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0 ——— 1"
BAR MEASURES ONE INCH ON 24x36 DRAWINGS

GARRISON SPRINGS HATCHERY

INTAKE & PIPELINE

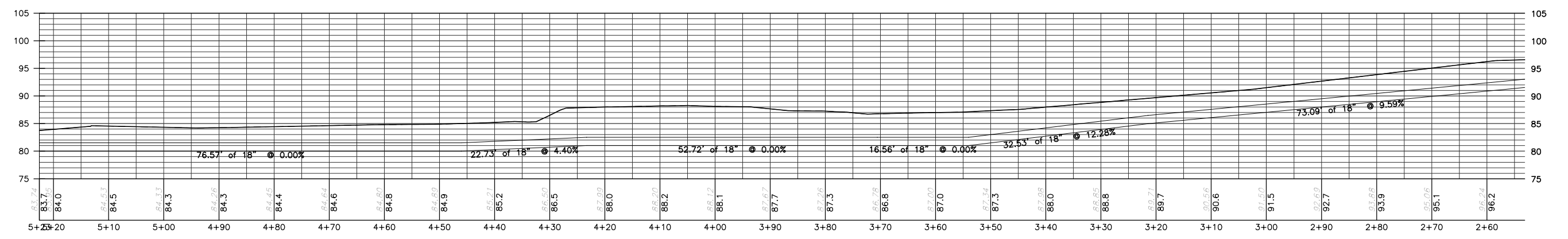
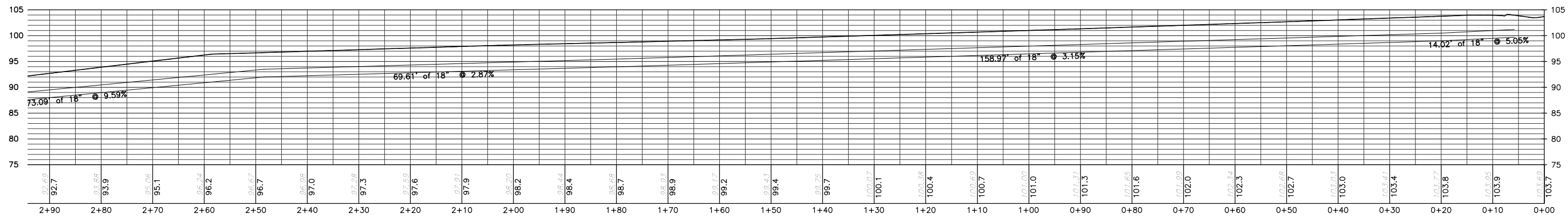
PROPOSED WORK AREA SITE PLAN

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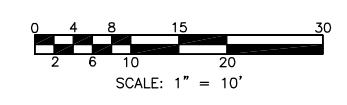
SHEET OF
4 8



KNOW WHAT'S BELOW
CALL BEFORE YOU DIG



PROFILE
SCALE: 1" = 10'



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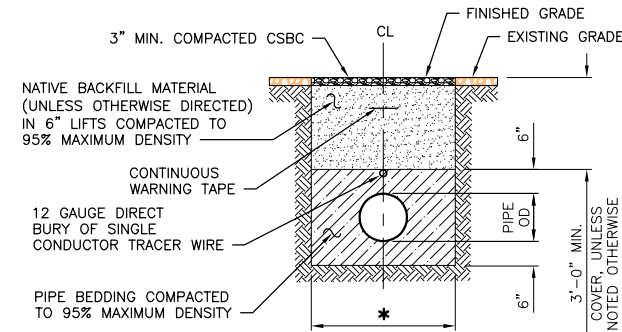
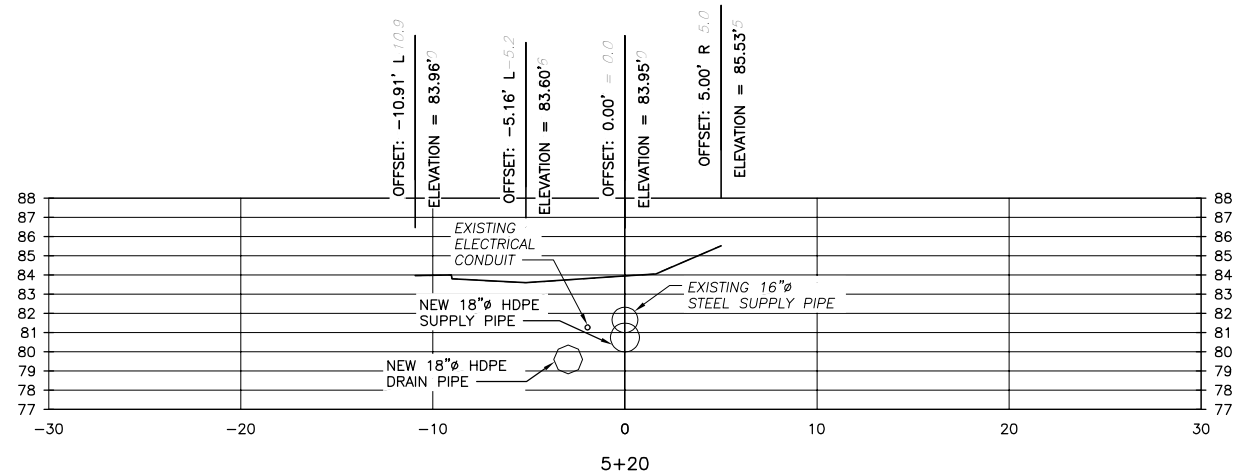
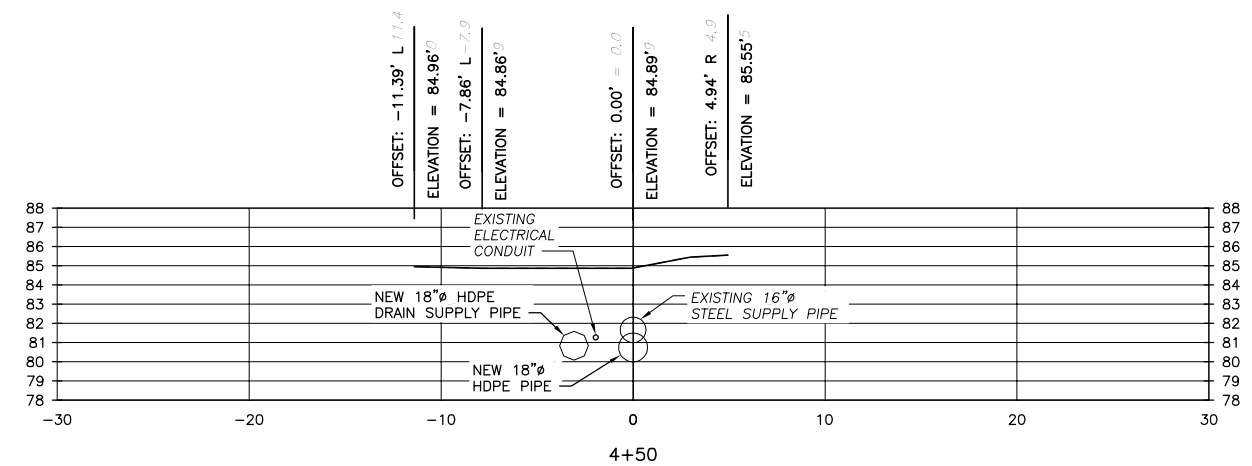
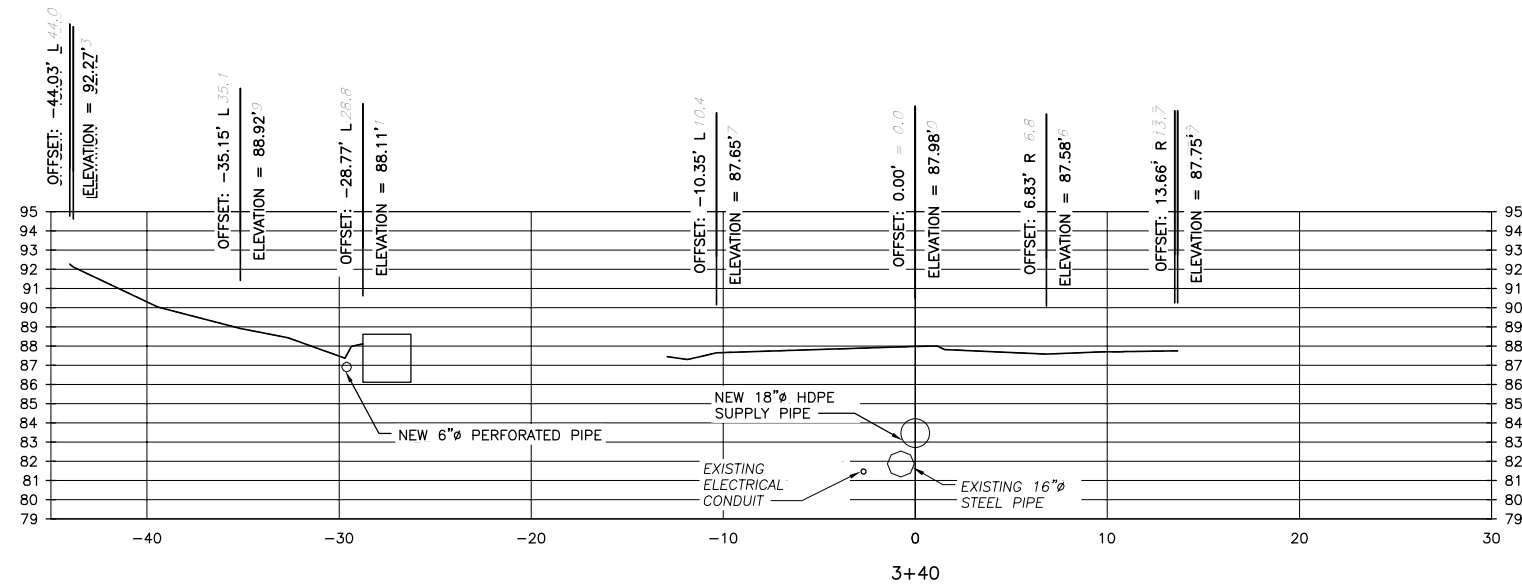
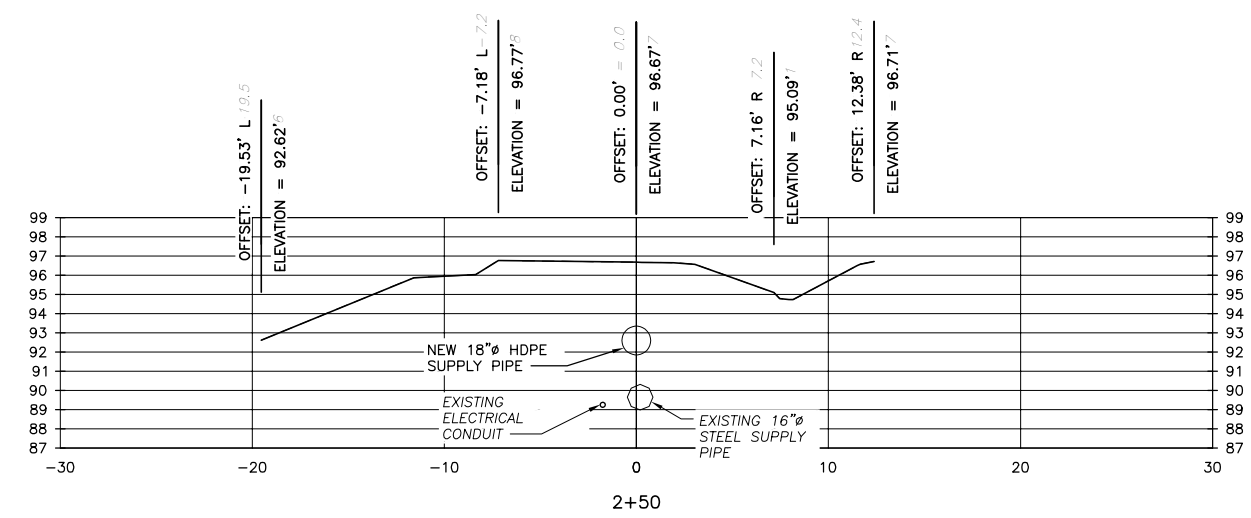
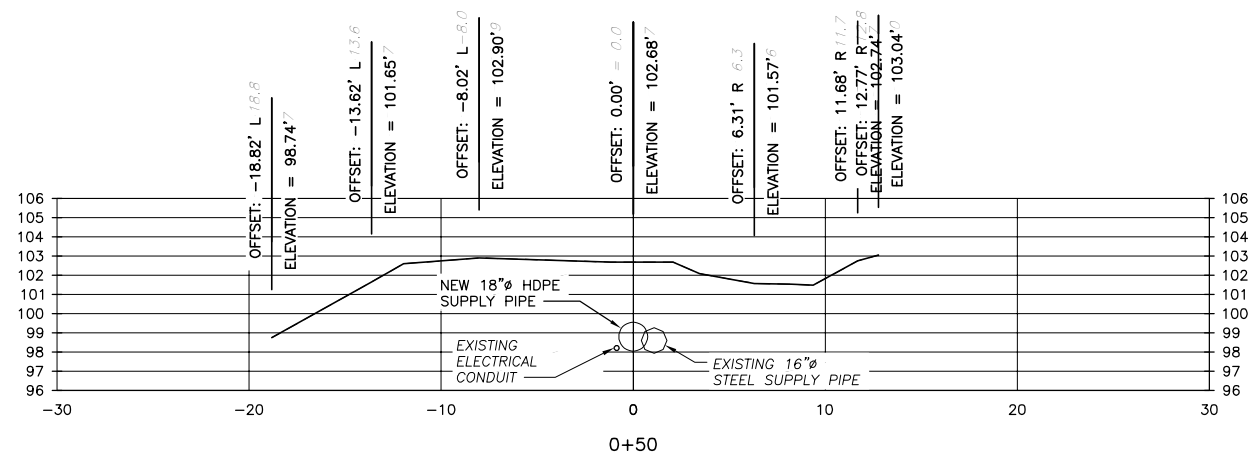
0 1"
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GARRISON SPRINGS HATCHERY
INTAKE & PIPELINE

PROFILE

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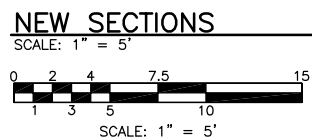
SHEET	OF
5	8



CUT & FILL QUANTITIES		
MATERIAL	CUT	FILL
CSTC	43CY	43CY
QUARRY SPALLS		10CY
PIPE BEDDING		424CY
NATIVE MATERIAL/PIPES	614CY	
PIPE INSTALL		180CY
TOTAL	657CY	657CY

PIPE TRENCH UNDER EXISTING GRAVEL AREAS
NOT TO SCALE

* TRENCH WIDTH DIMENSIONS FOR PIPES LESS THAN 18 INCHES ARE OUTSIDE DIAMETER (OD) PLUS 12" AND FOR PIPES GREATER THAN OR EQUAL TO 18 INCHES ARE OUTSIDE DIAMETER (OD) PLUS 24"



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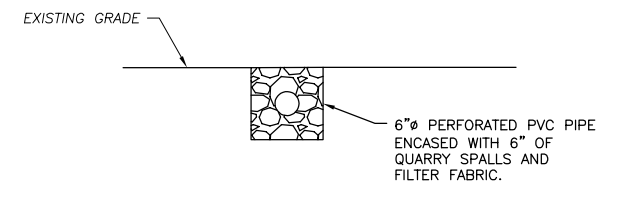
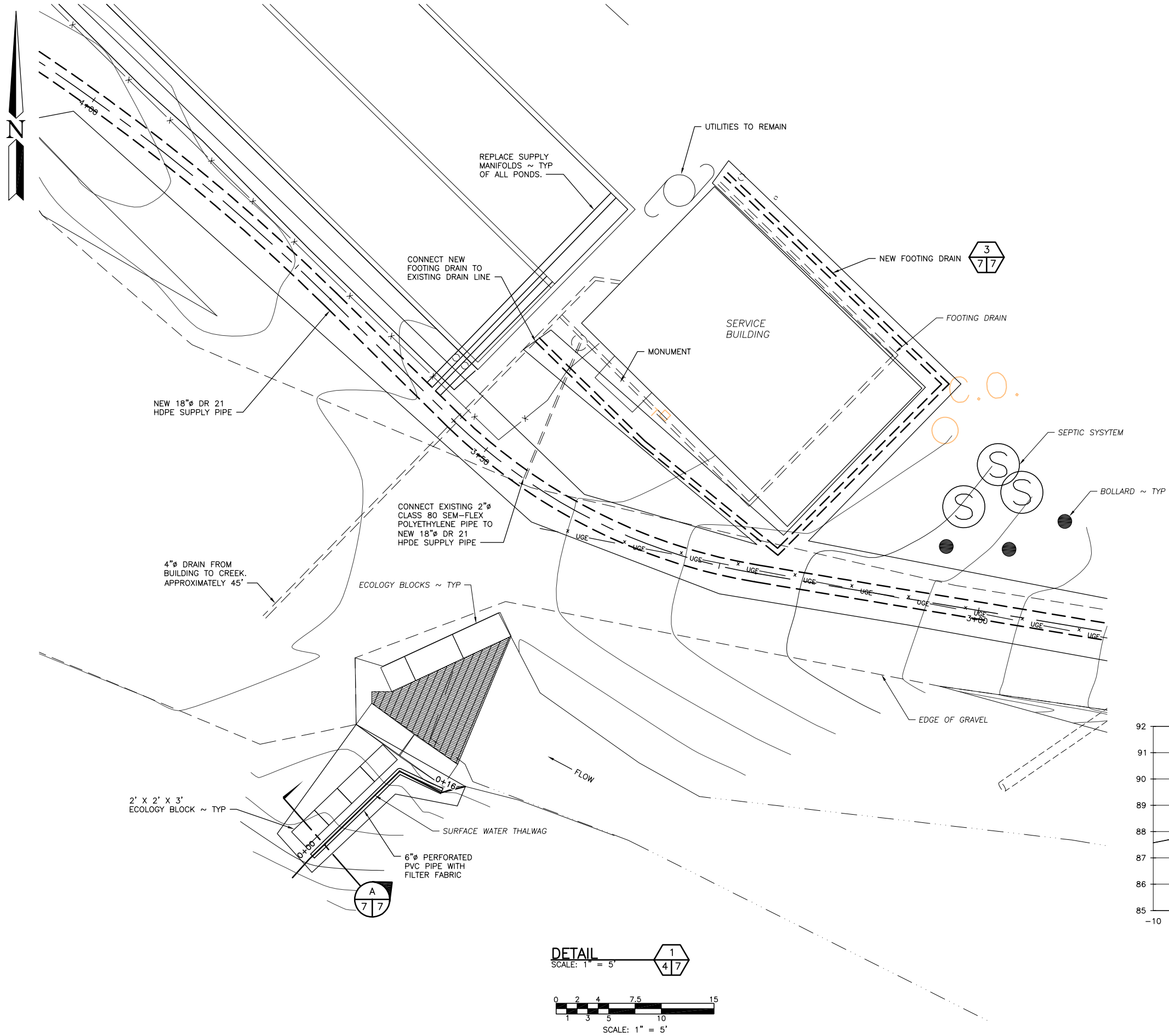
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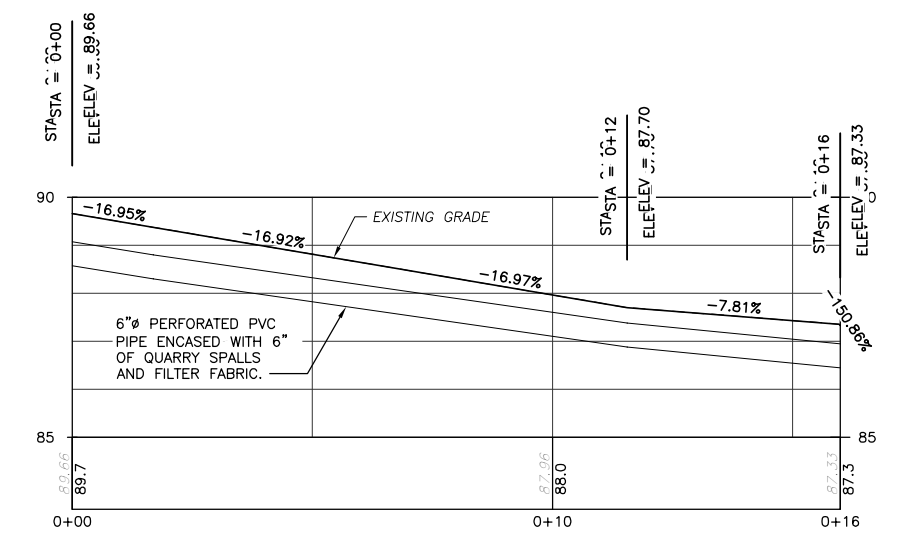
SECTIONS

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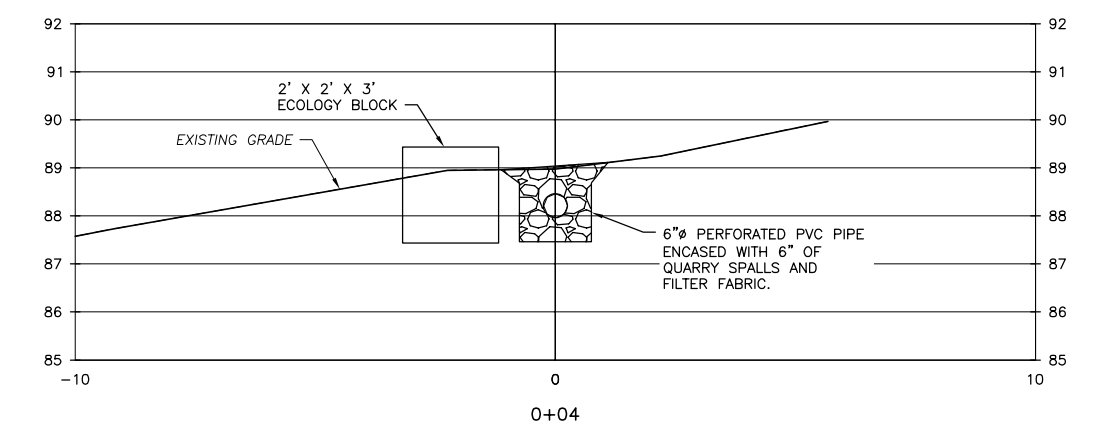
SHEET 6 OF 8



FOOTING DRAIN
SCALE: 1" = 2'

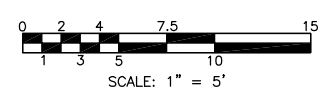


PROFILE
SCALE: 1" = 2'



SECTION
SCALE: 1" = 2'

DETAIL
SCALE: 1" = 5'



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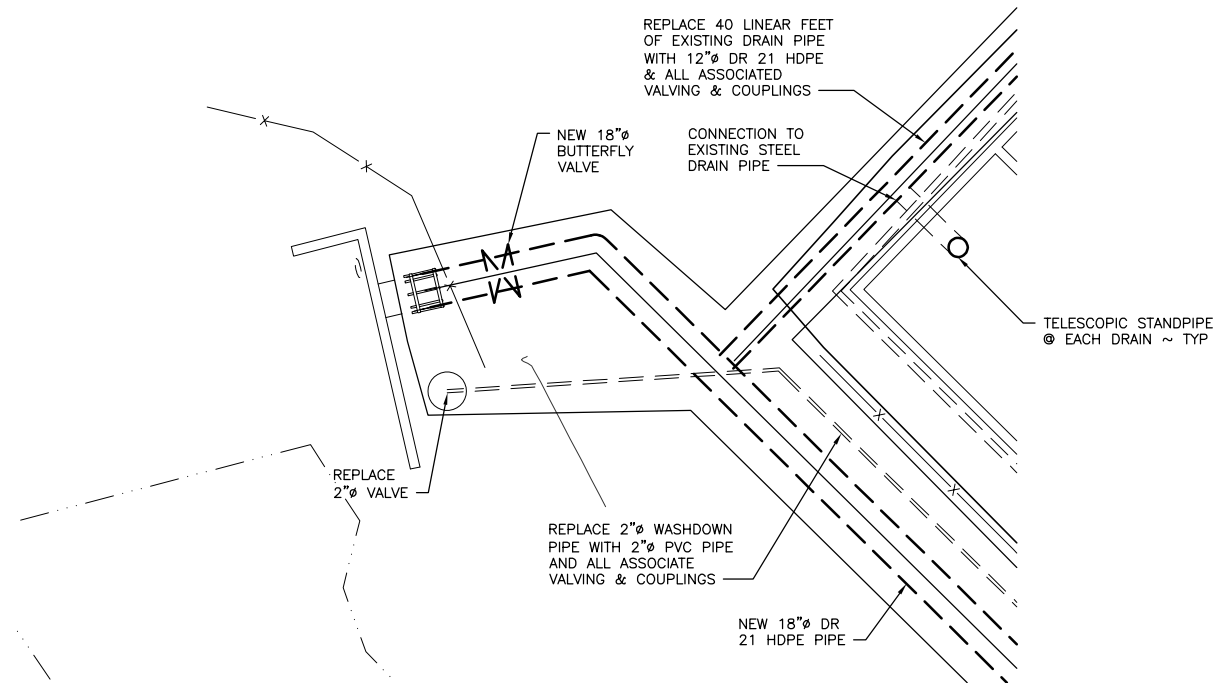
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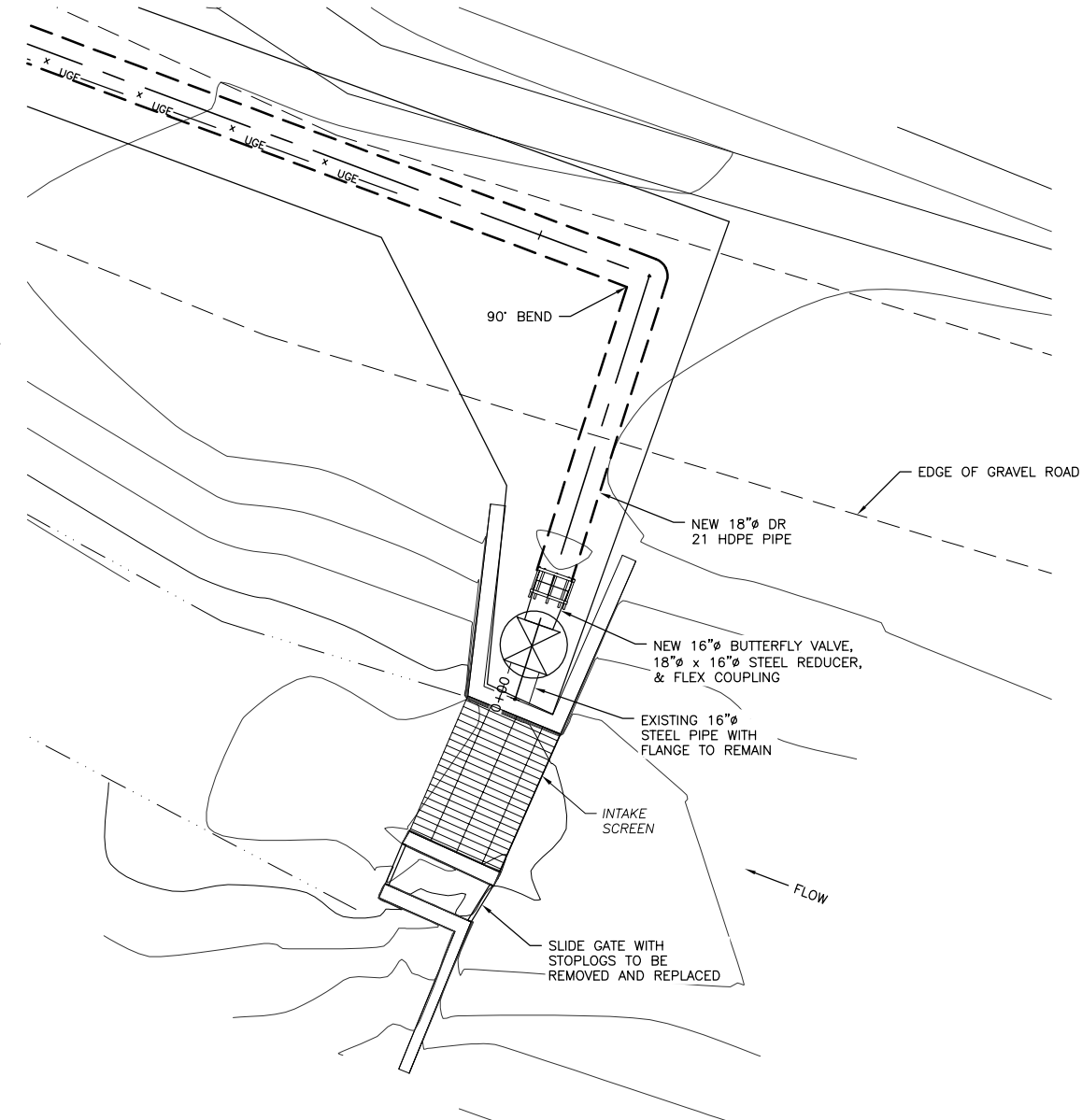
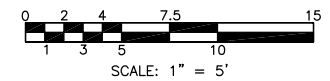
GARRISON SPRINGS HATCHERY
INTAKE & PIPELINE
SERVICE BUILDING & RUNOFF PIPELINE

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SHEET 7 OF 8



LOWER DRAIN OUTLET
SCALE: 1" = 5'



INTAKE PLAN
SCALE: 1" = 4'

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GARRISON SPRINGS HATCHERY
INTAKE & PIPELINE

PLAN VIEWS

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