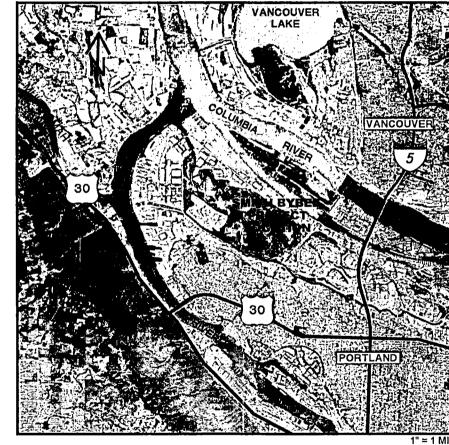


**SMITH BYBEE SITE** 



VICINITY MAP

26

Aon



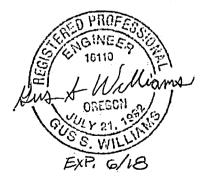
1. GATE MODIFICATION AND REPLACEMENTS. 2. ALUMINUM STOP LOGS. 3. METAL GRATING SYSTEM. 4. RAILINGS & LOCK ROD SYSTEMS. 5. FISH LADDER MODIFICATIONS.

DUCKS UNLIMITED

17700 S. E. MILL PLAIN BLVD. SUITE 100

VANCOUVER, WA. 98683 PH. (360) 885-2011

- 6. DEBRIS BOOM AND ANCHORAGE.

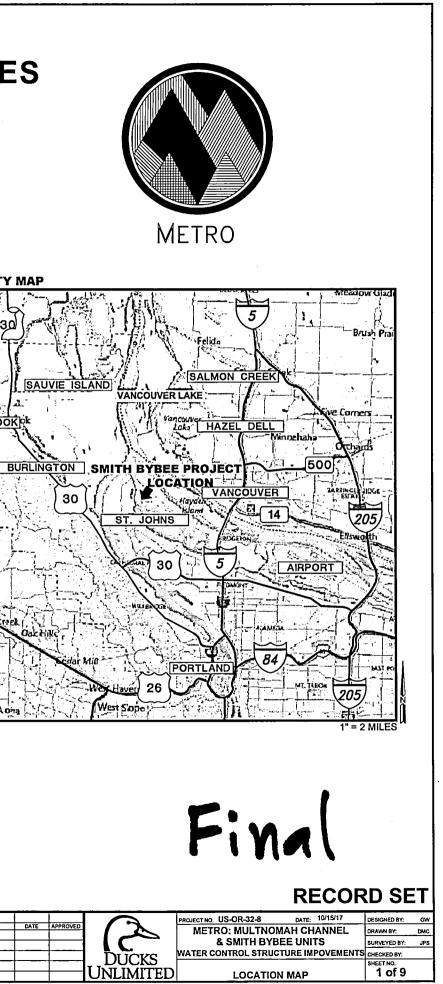


Unauthorized Changes & Uses The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes must be in writing and must be approved by the preparer of these plans.

# SHEET INDEX

- 1 COVER SHEET LOCATION AND VICINITY MAPS, SHEET INDEX
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- 5 SMITH-BYBEE MODIFICATIONS STRUCTURE PLAN VIEW
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## **GENERAL NOTES:**

- 1. Ducks Unlimited makes no representations as to the existence or ponexistence of utilities. It is the responsibility of the contractor to comply with the provisions of all applicable utility notification regulations. The contractor will be liable for any damage to utilities caused by construction activities
- 2 The engineer does not represent that the location of utilities shown on the plans are exact or complete. It shall be the responsibility of the contractor to determine the presence of, actual locations of and make provisions for all watercourses and utilities. The contractor shall verify location, depth and height. Their verification shall be coordinated by the contractor with the appropriate utility company.
- 3. The contractor shall exercise extreme caution when working in the vicinity of overhead power lines. Verify location in the field and protect in place.
- The contractor shall comply with all local and state requirements relative to the notificatciton of the applicable unerground service alert.
- 5. At least 2 working days prior to beginning any digging or excavation work, the contractor shall notify underground service alert
- 6. In accordance with generally accepted construction practices, the contractor will be solely and completely responsible for the conditions of the job site including safety of all persons and property during performance of the work. The contractor shall ensure that all work is performed in accordance with occupational safety laws, including the design and construction of proper shoring of trenches. The duties of the project engineer do not include review of the adequacy of the contractor's safety in, on, or near the job site.
- It is the responsibility of the contractor to be knowledgeable about the project specifications and permits. All work shall be completed in compliance with the contract documents. The contractor shall have copies of the most current approved plans, specifications and permit conditions on site during all work operations.
- The project site and adjacent areas contain sensitive habitat areas for protected wildlife, and may include endangered species. The contractor shall protect wildlife and water quality, and minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.
- 9. Should it appear that the work to be done, or any matter relative thereto, is not sufficiently detailed or explained on these plans or in the specifications, the contractor shall contact the construction manager for such further explanations as may be necessary.
- 10. Should the contractor find any discrepancies between the conditions existing in the field and the information shown on the drawings, he shall notify the construction manager before proceeding with construction.



**Unauthorized Changes & Uses** The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes must be in writing and must be approved by the preparer of these plans.



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Bench Mark (permanent)

ствм

CIDM	Denat many permanency
СТВТ	Bench Mark (temporary)
CTCP	Survey Control Point (permanent)
CTCT	Survey Control Point (temporary)
DIFL	Ditch Flowline
DIGB	Ditch Grade Break
DITO	Ditch Toe
DITP	Ditch Top
ELBX	Electric, Box or Pullbox
ELGY	Electric, Guy Wire
ELPP	Electric, Power Pole
ELSN	Electric, Warning Sign
ELTR	Electric, Transformer
ELTW	Electric, Tower
ELVT	Electric, Vault
FNAP	Fence Angle Point
FNCR	Fence Corner
FNGT	Fence Gate
FNLN	Fence Line
IRCO	Irrigation Concrete Pad
IRCP	Irrigation Control Panel
IRPI	Irrigation Pipe Invert
IRPM	Irrigation Pump
IRPT	Irrigation Pipe Top
irvl.	Irrigation Valve
IRWL	Irrigation Well
LVCL	Levee Centerline
LVGB	Levee Grade Break
LVTO	Levee Toe of Slope
LVTP	Levee Top of Slope
RDCL	Road, Centerline
rded	Road, Edge of Dirt Road
RDEG	Road, Edge of Gravel Road
RDEP	Road, Edge of Paved Road
RDGB	Road Grade Break

### ABBREVIATIONS

(N) New North

N NIC

NTS

oc

OD PIP

PP

PS1

R RCB

RD

RFF

REÓD

ROW

S SCH

SS

SF

SHT

SP

SY

STA

STD

TBD

TBM TE

TEMP

TOL.

TOB

TYP

USA

U/S

VLV

wcs

ws

X:1

WSEL

WWF

w W/

SPECS

SDR

PVC QTY Not in Contract

Not To Scale

Pressure Irrigation Pipe

Pounds per Square Inch Polyvinyl Chloride

Reinforced Concrete Box

Standard Dimension Ratio

To Be Determined by Engineer Temporary Benchmark

Underground Service Alert

Water Control Structure

Water Surface Elevation

Slope, Horizontal:Vertical

Welded Wire Fabric

Water Surface

Width, West (where applicable)

Reference Dimension

On Center Outside Diameter

Power Pole

Quantity Right

Road

Required

South

Sheet

Special

Station

Standard

Schedule

Right Of Way

Stainless Steel

Square Feet

Specifications

Square Yard

Top Elevation

Top of Levee

Top of Berm

Typical

Upstream

Valve

With

Temporary

ABBREVIATIONS					
Aggregate Base					
Acre					
Approximate					
Benchmark					
Corrugated Aluminum Pipe					
Center to Center					
Cubic Foot					
Cubic Foot Per Second					
Centerline					
Corrugated Metal Pipe					
Corrugated Metal Arch Pipe					
Concrete					
Control Point					
Cubic Yard					
Demolish					
Diameter					
Pipe Diameter					
Riser Diameter					
Ducks Unlimited, Inc.					
Downstream					
East					
Existing Ground					
Elevation					
Existing					
Final Rough Grade					
Finished Grade					
Flowtine					
Foot, Feet					
Fitting, Footing					
Gauge					
Grade Break					
Height					
High-Density Polyethylene					
Inside Diameter					
Invert Elevation					
Inch, Inches					
Invert					
Iron Pipe Size					
Length, Left					
Pounds-Force					
Linear Feet					
Maintenance					
Maximum					
Minimum					
Miscellaneous					
Miscella Icous					

RDSH	Road Shoulder
RDSN	Road Sign
RDTO	Road, Toe of Slope
RDTP	Road, Top of Slope
SDMH	Storm Drain, Manhole
SDPI	Storm Drain, Pipe Invert
SDPT	Storm Drain, Pipe Top
SSMH	Sanitary Sewer, Manhole
SWFL	Swale Flowline
SWGB	Swale Grade Break
SWTO	Swale Toe
SWIP	Swale Top
TFBL	Topo Feature, Building
TFBR	Topo Feature, Brush
TFCO	Topo Feature, Concrete (pad, slab, etc.)
TFFL	Topo Feature, Flowline
TFGB	Topo Feature, Grade Break
TFGS	Topo Feature, Ground Shot
TFRK	Topo Feature, Rock Or Rocky Area Boundary
TETL	Topo Feature, Tree line
TFT0	Topo Feature, Grade Break at Toe
TFTP	Topo Feature, Grade Break at Top
TFTR	Topo Feature, Tree
WAEW	Edge of Water
WAHW	High Water Mark
wauw .	Under Water Ground Shot
WAWS	Water Surface
WCFL	Water Control Structure, Flowline/Invert at Structure
WCFR	Water Control Structure, Frame Top
WCHW	Water Control Structure, Headwall
WCPI	Water Control Structure, Pipe Invert at Outlet
WCPT	Water Control Structure, Pipe Top at Outlet
WCST	Water Control Structure, Top of Structure
WCWW	Water Control Structure, Wing Wall

# **LEGEND & STANDARD SYMBOLS**





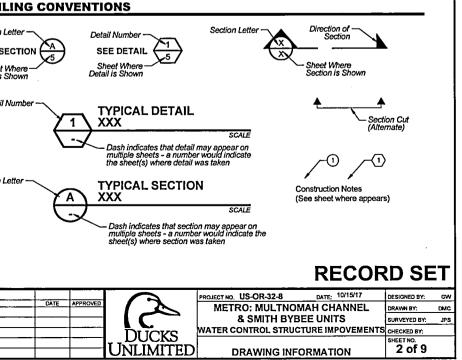




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Detail Number



Section Letter

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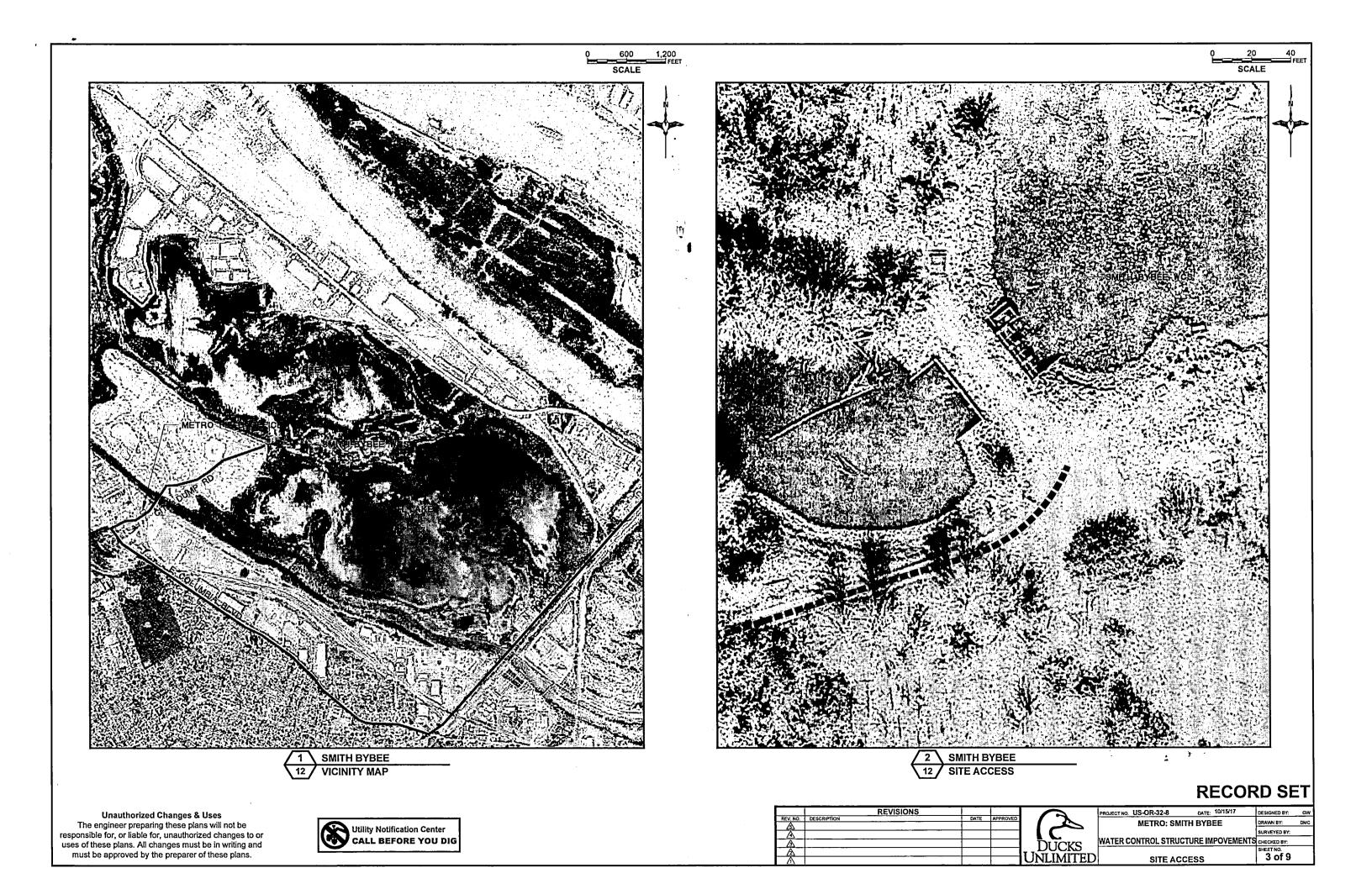
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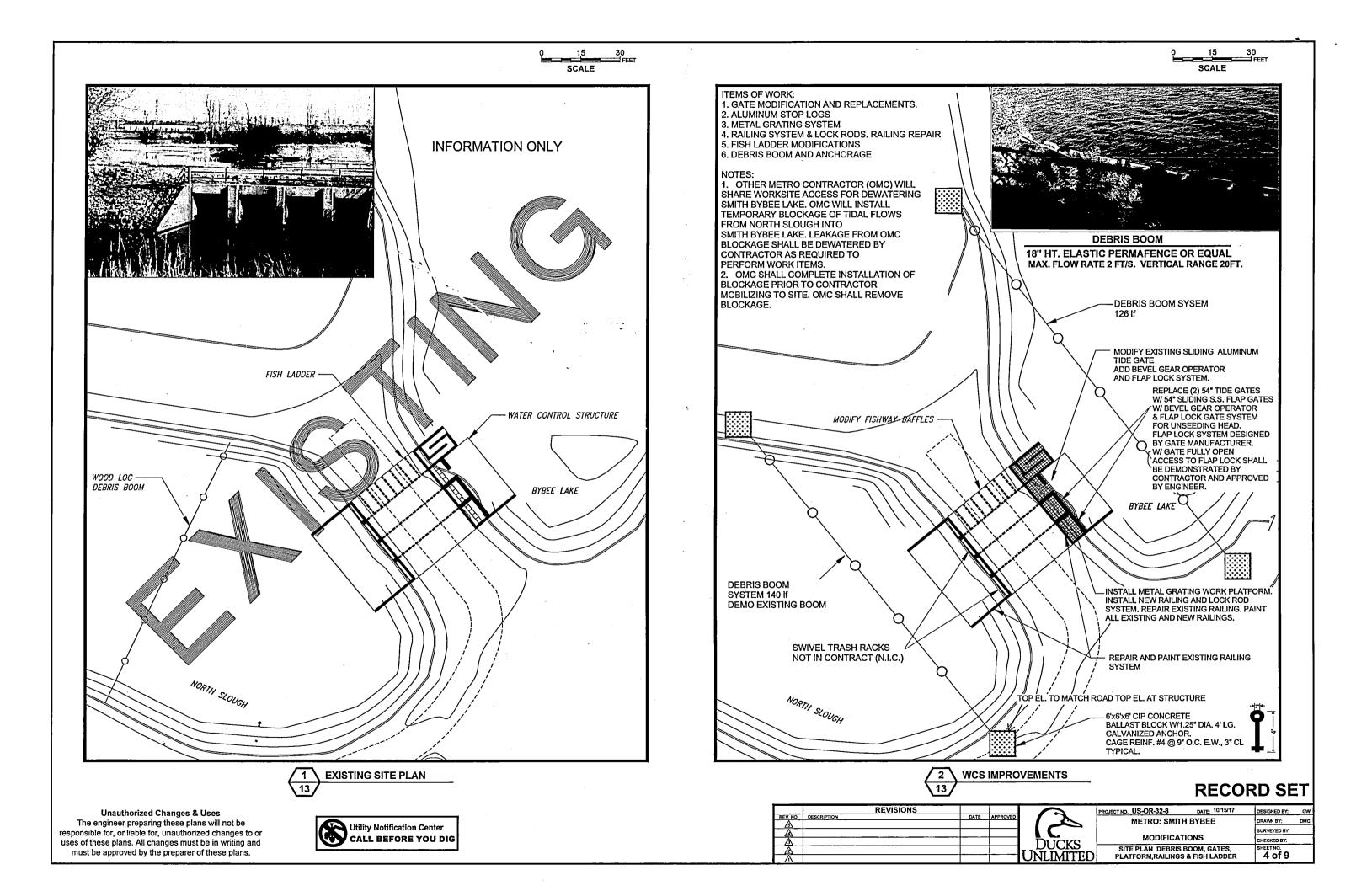
DEBRIS BOOM

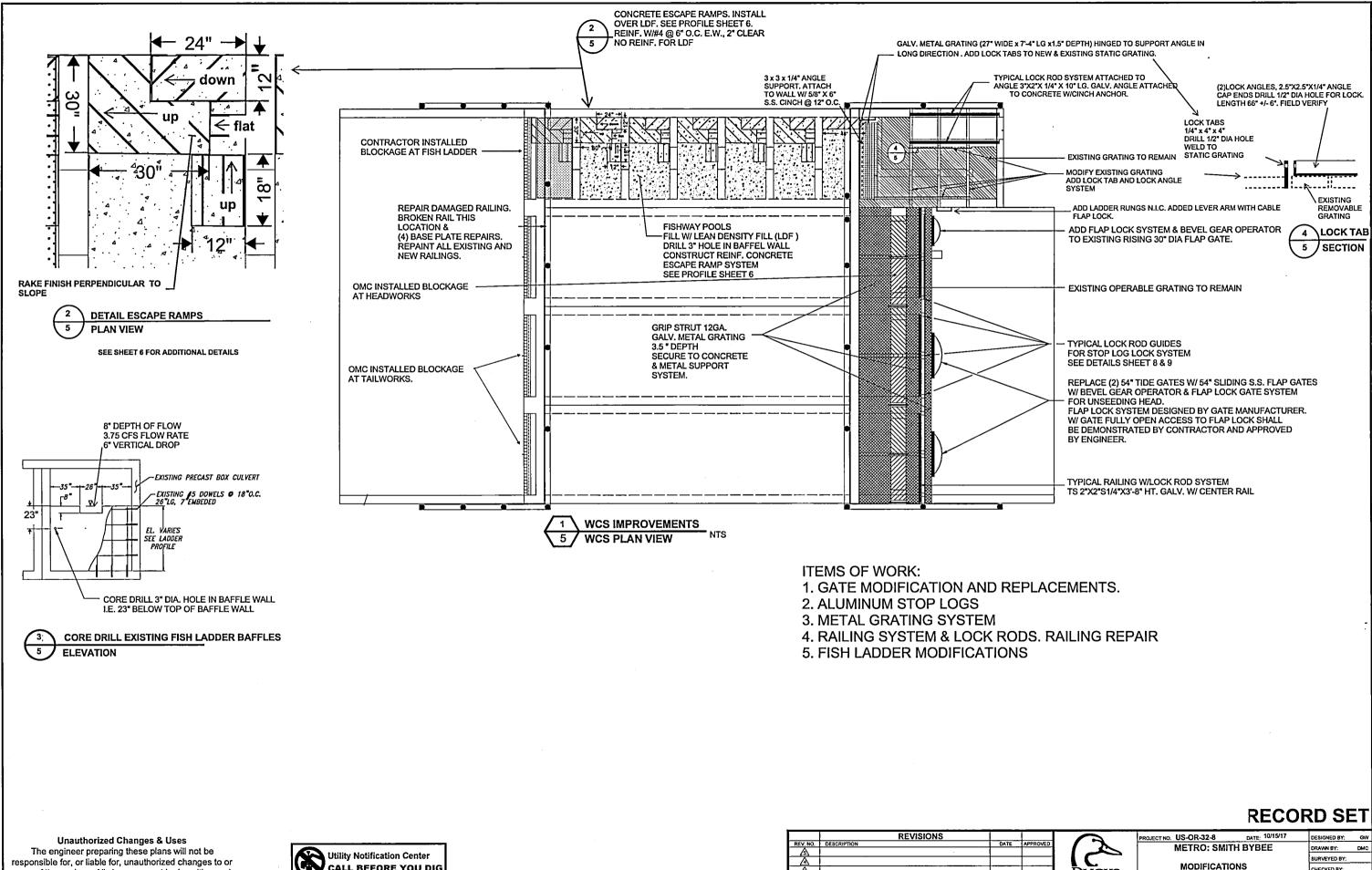
**NEW GRATING** 

**EXISTING GRATING** 

FISH LADDER MODIFICATIONS







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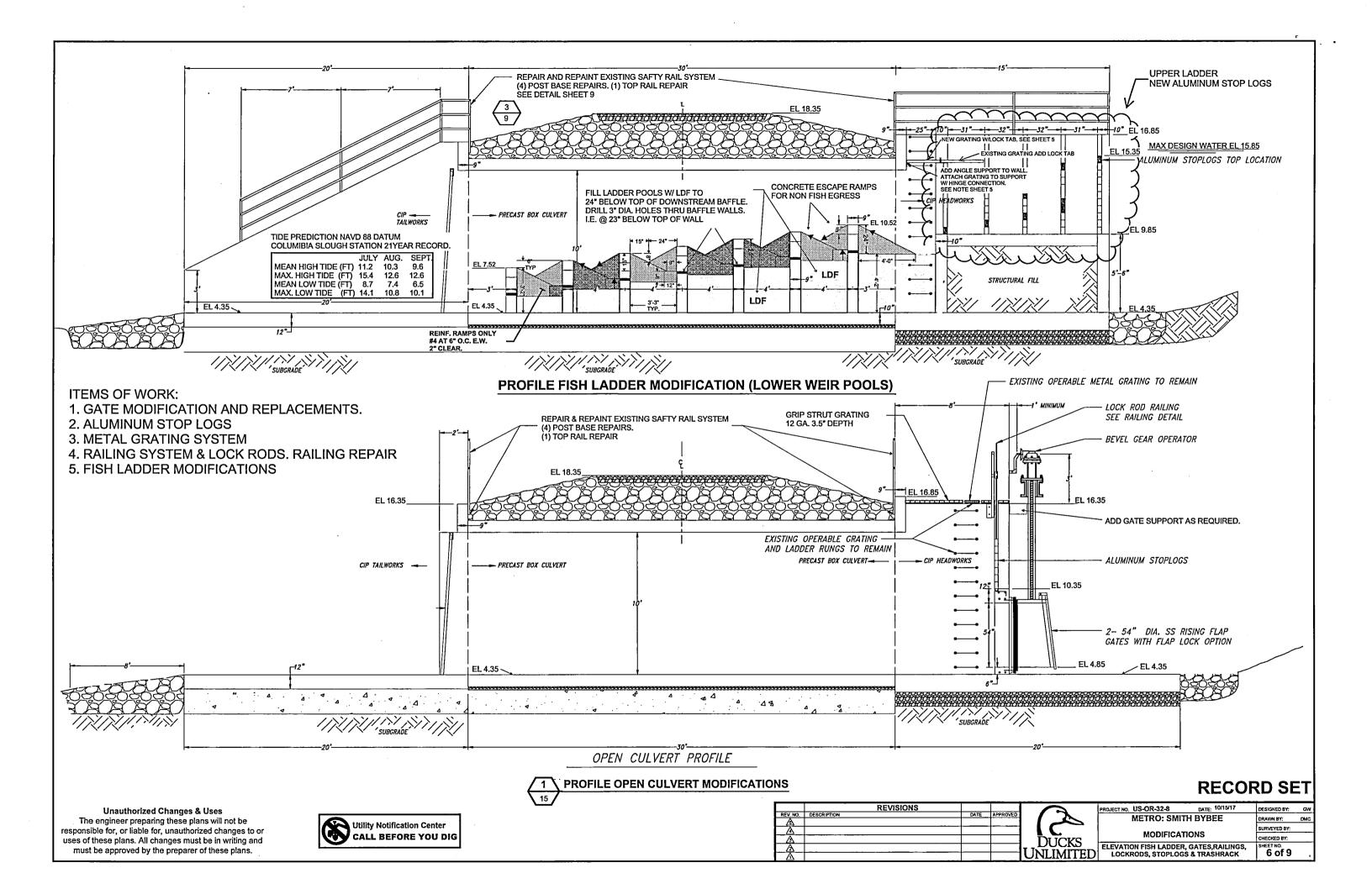
PLAN FISH LADDER, TRASH RACK,

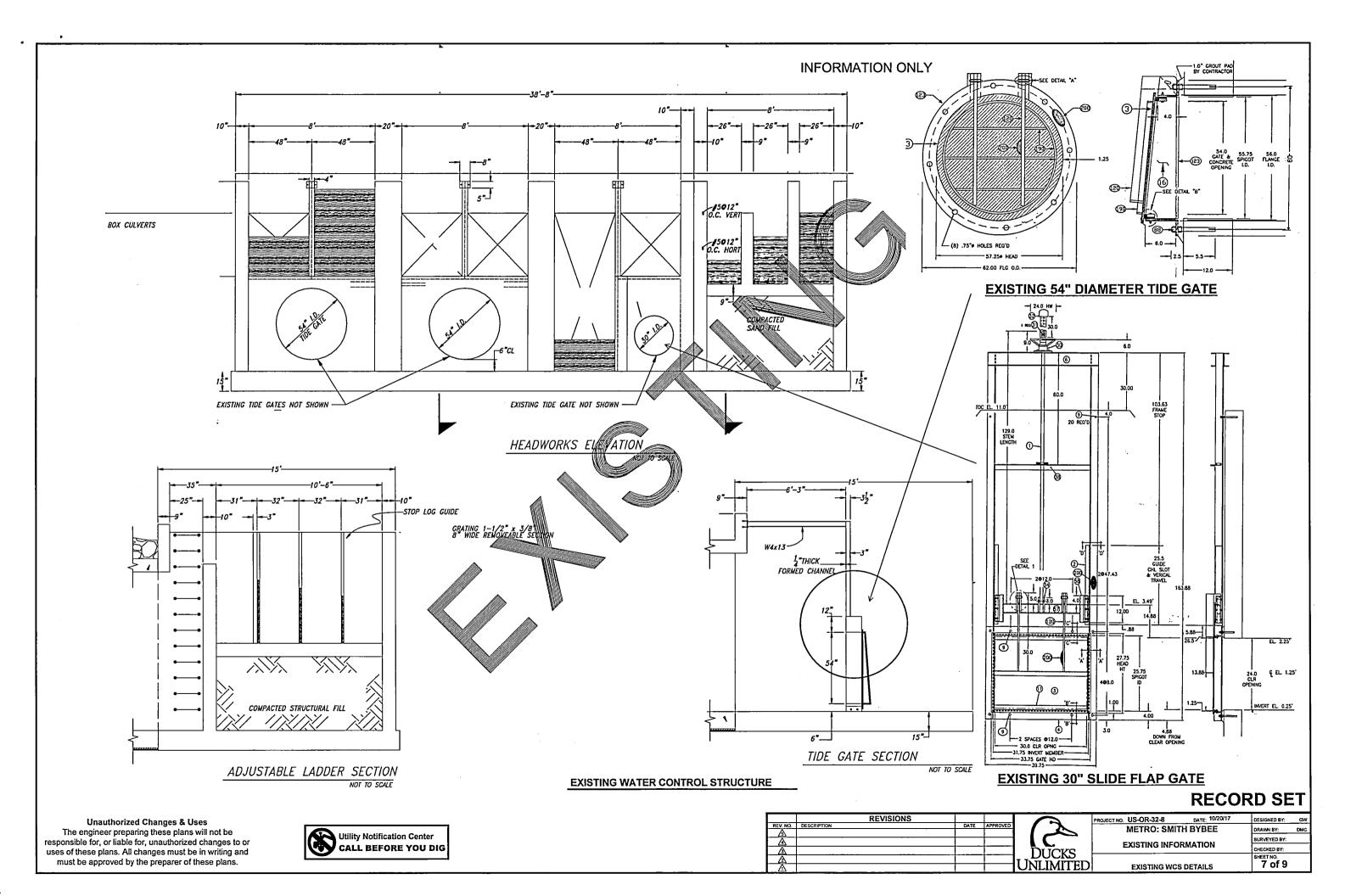
JNLIMITED PLATFORM, RAILINGS, LOCKRODS & GATES

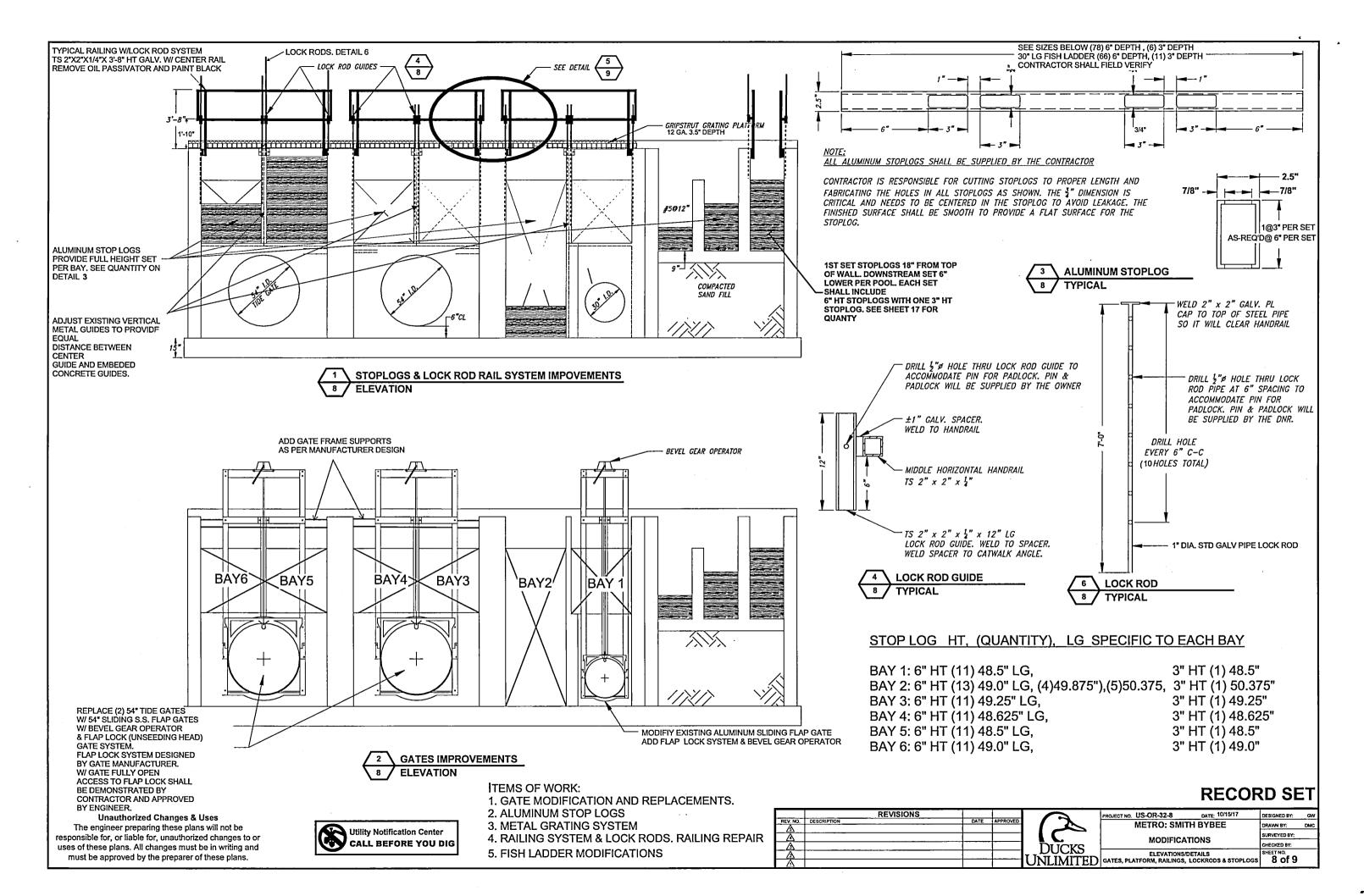
DUCKS

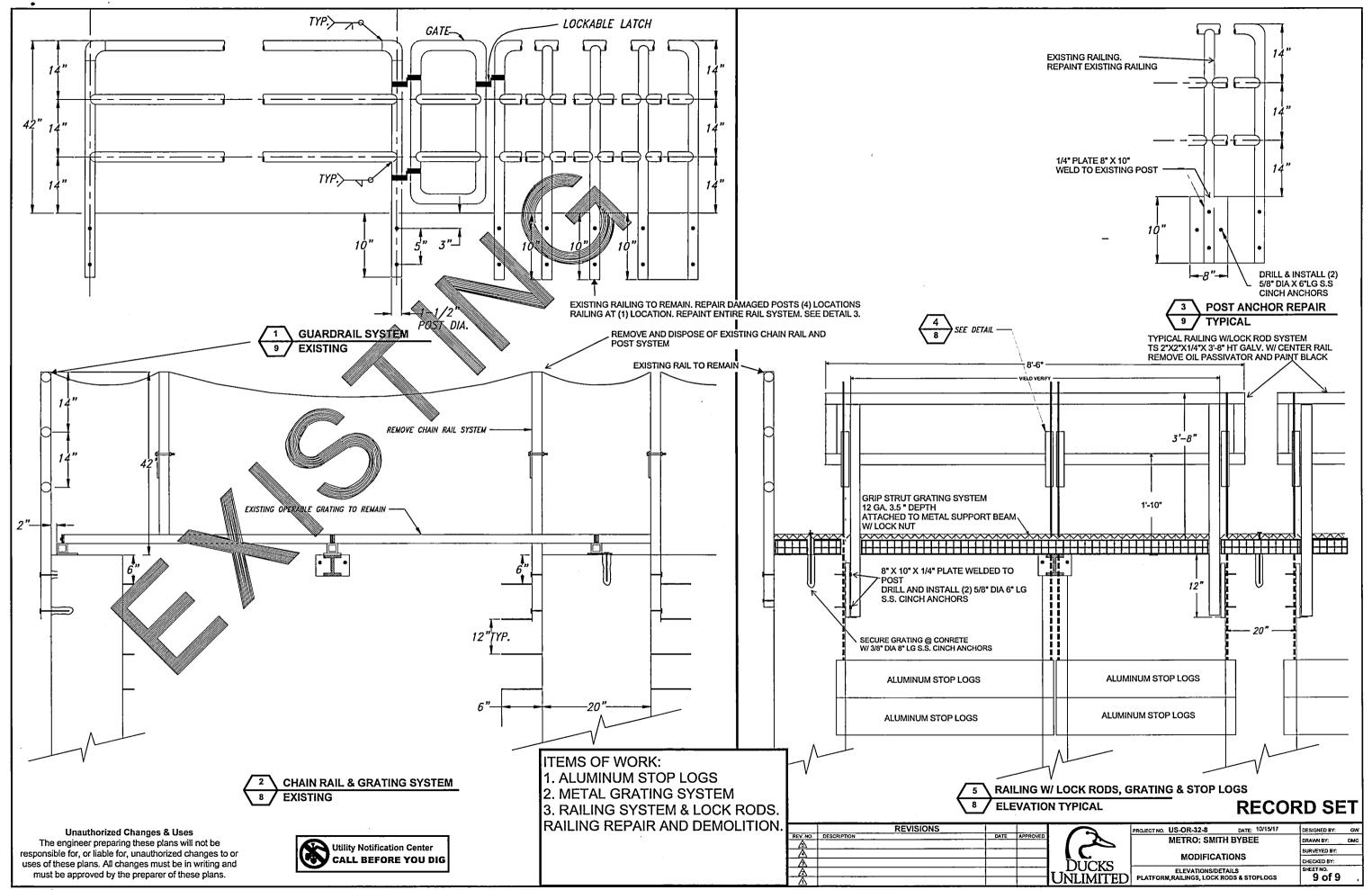
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