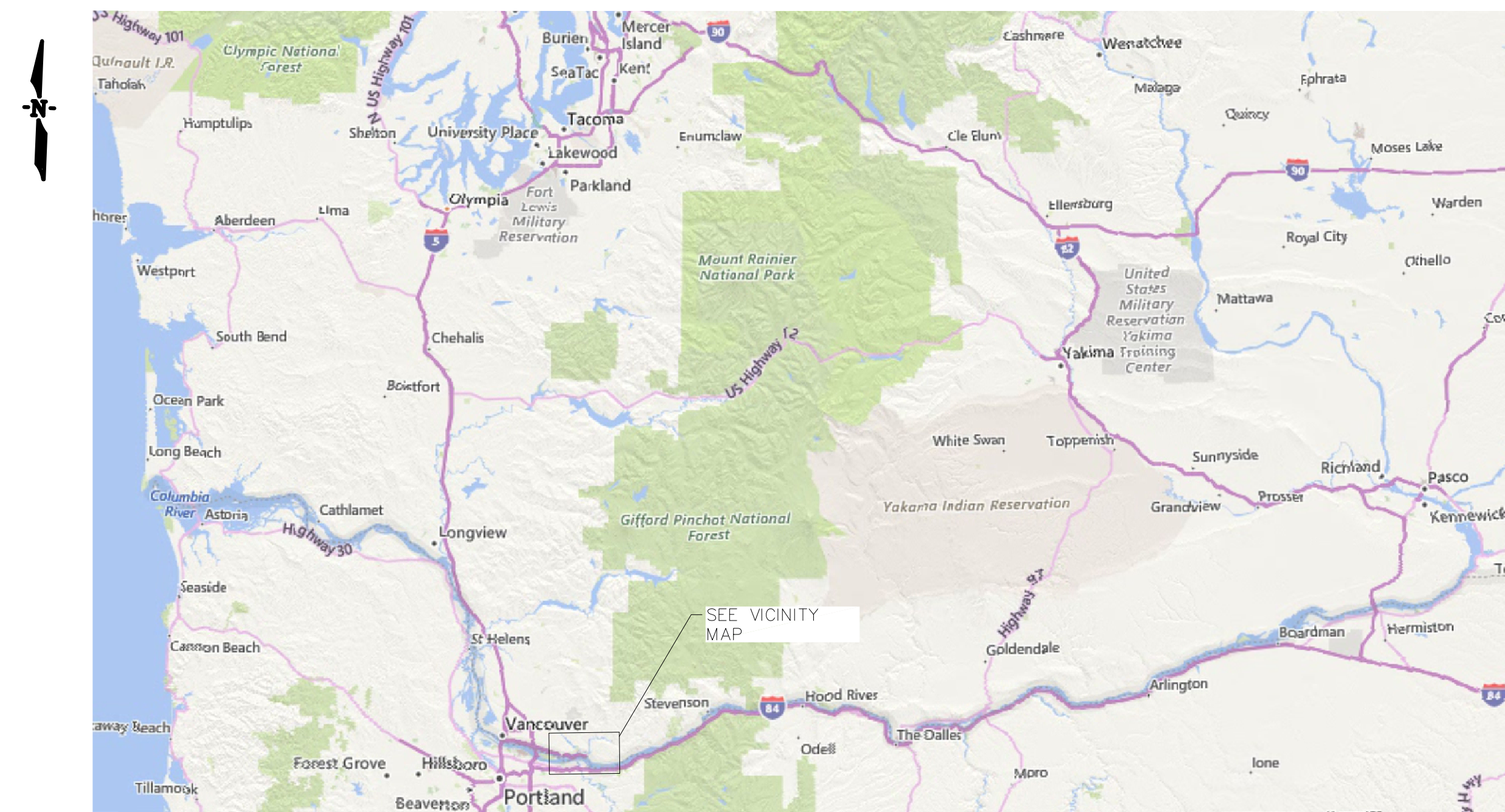




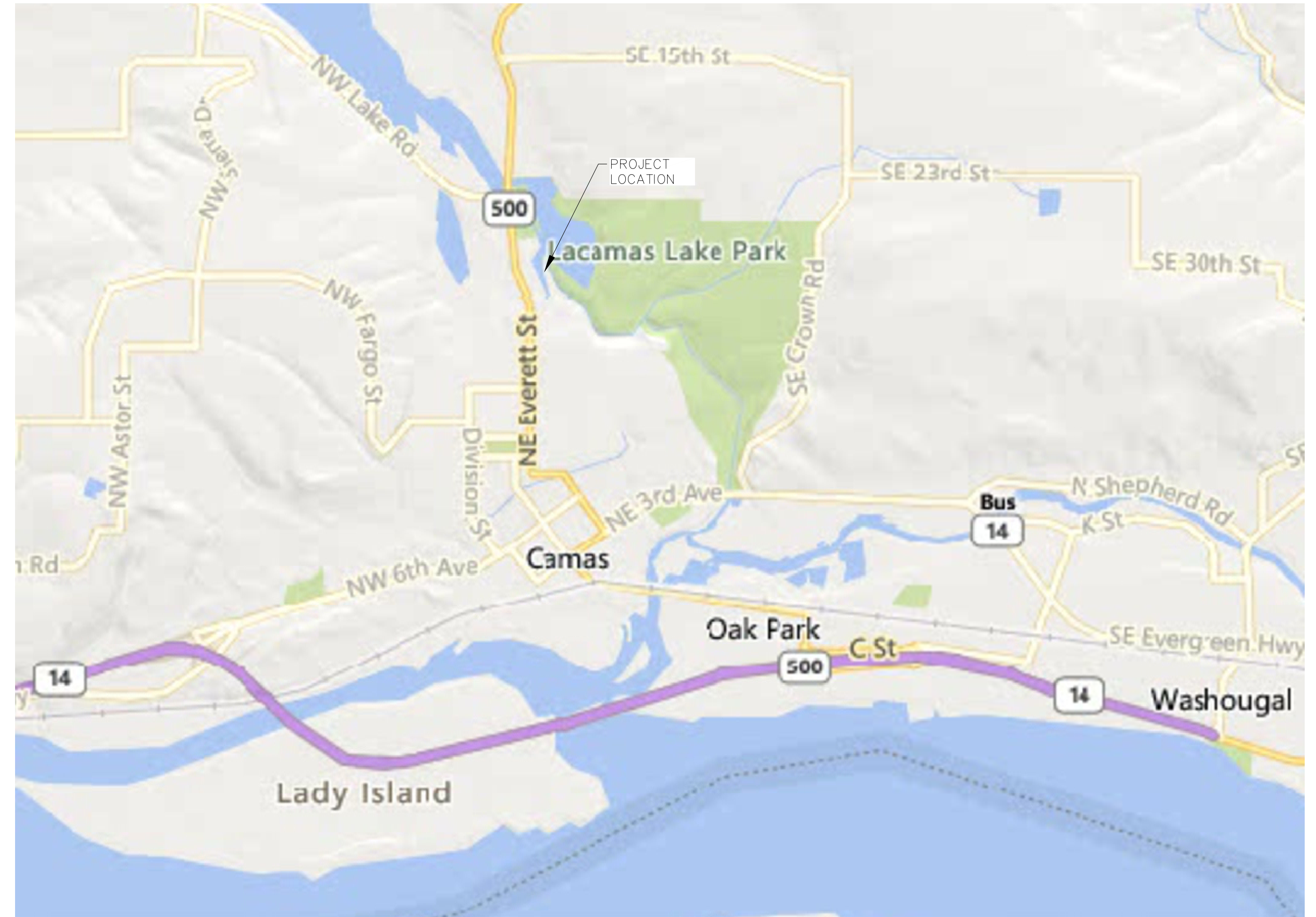
LACAMAS LAKE DAM GATE REPLACEMENT PROJECT CITY OF CAMAS PROJECT: STM24001

DRAWING INDEX

| DWG NO. | TITLE/DESCRIPTION |
|---------|---|
| G-001 | DRAWING INDEX, LOCATION & VICINITY MAPS |
| G-002 | SITE PLAN |
| M-001 | UPPER DAM SPILLWAY - SLIDE GATE AND ACTUATOR - DEMOLITION AND REPLACEMENT |
| M-002 | UPPER DAM LOW LEVEL OUTLET (LLO) - SLIDE GATE ACTUATOR - DEMOLITION AND REPLACEMENT |
| M-003 | LOWER DAM LOW LEVEL OUTLET (LLO) - KNIFE GATE AND ACTUATOR - DEMOLITION AND REPLACEMENT |



LOCATION MAP



VICINITY MAP

CONTACT INFORMATION

OWNER:
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CAMAS, WA 98607
360-817-7983

CONTACT: WILL NOONAN
wnoonan@cityofcamas.us

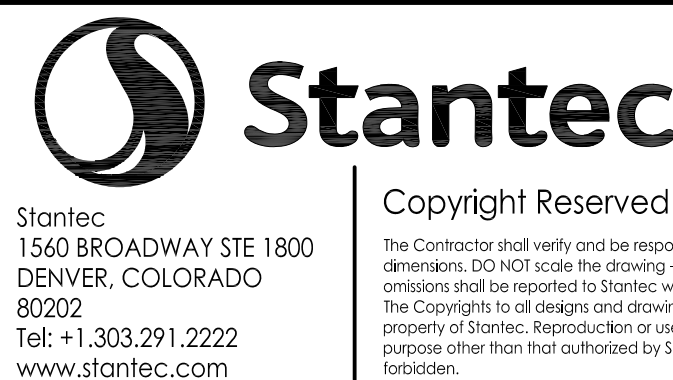
CONSULTING ENGINEER:
STANTEC CONSULTING SERVICES
1687 114TH AVE SE, SUITE 100
BELLEVUE, WA 98004
425-896-6939

CONTACT: BRYAN BRUMLEY, PE
bryan.brumley@stantec.com

CLARK COUNTY:
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ISSUED FOR CONSTRUCTION



CITY OF CAMAS
Camas, Washington

LACAMAS LAKE DAM
GATE REPLACEMENT PROJECT
Scale NONE
202206280
Project No.

DRAWING INDEX, LOCATION & VICINITY
MAPS
Revision 0
G-001

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ORIGINAL SHEET - ANSI D



DEMOLISH EXISTING SPILLWAY GATE STEM (TYP OF 4)
 DEMOLISH EXISTING STEEL GATE GUIDE (TYP)
 DEMOLISH EXISTING SPILLWAY GATE STEM (TYP OF 4)
 DEMOLISH EXISTING SPILLWAY GATE AND FRAME (TYP OF 4)
 EXISTING CONCRETE LIP (APPROX 2" TALL) AT SILL BEAM, TO BE DEMOLISHED FLUSH WITH CONCRETE SLAB



DEMOLISH EXISTING SPILLWAY GATE MANUAL ACTUATOR
 DEMOLISH EXISTING SPILLWAY GATE SINGLE DRIVE HOIST W/ SELECTOR
 EXISTING CONCRETE LIP AT DOWNSTREAM SIDE, TO BE DEMOLISHED FLUSH WITH CONCRETE PIER FACE
 DEMOLISH EXISTING BASE FRAME (TYP OF 4)
 DEMOLISH EXISTING TIMBER SILL BEAM



EXISTING UPPER DAM SPILLWAY GATES (UPSTREAM SIDE)

EXISTING UPPER DAM SPILLWAY GATES (DOWNSTREAM SIDE)

EXISTING UPPER DAM SPILLWAY GATE HOISTS

GENERAL SHEET NOTES

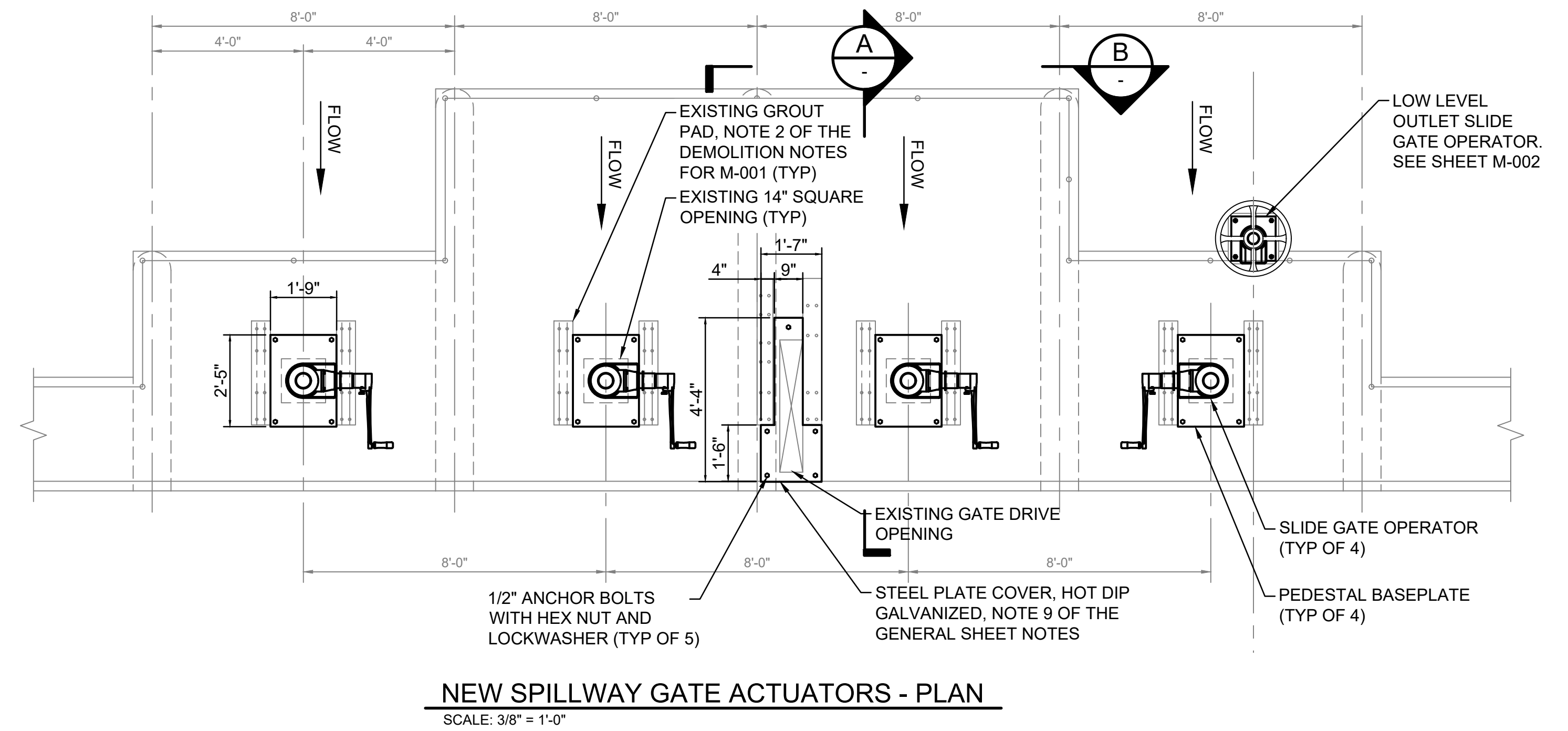
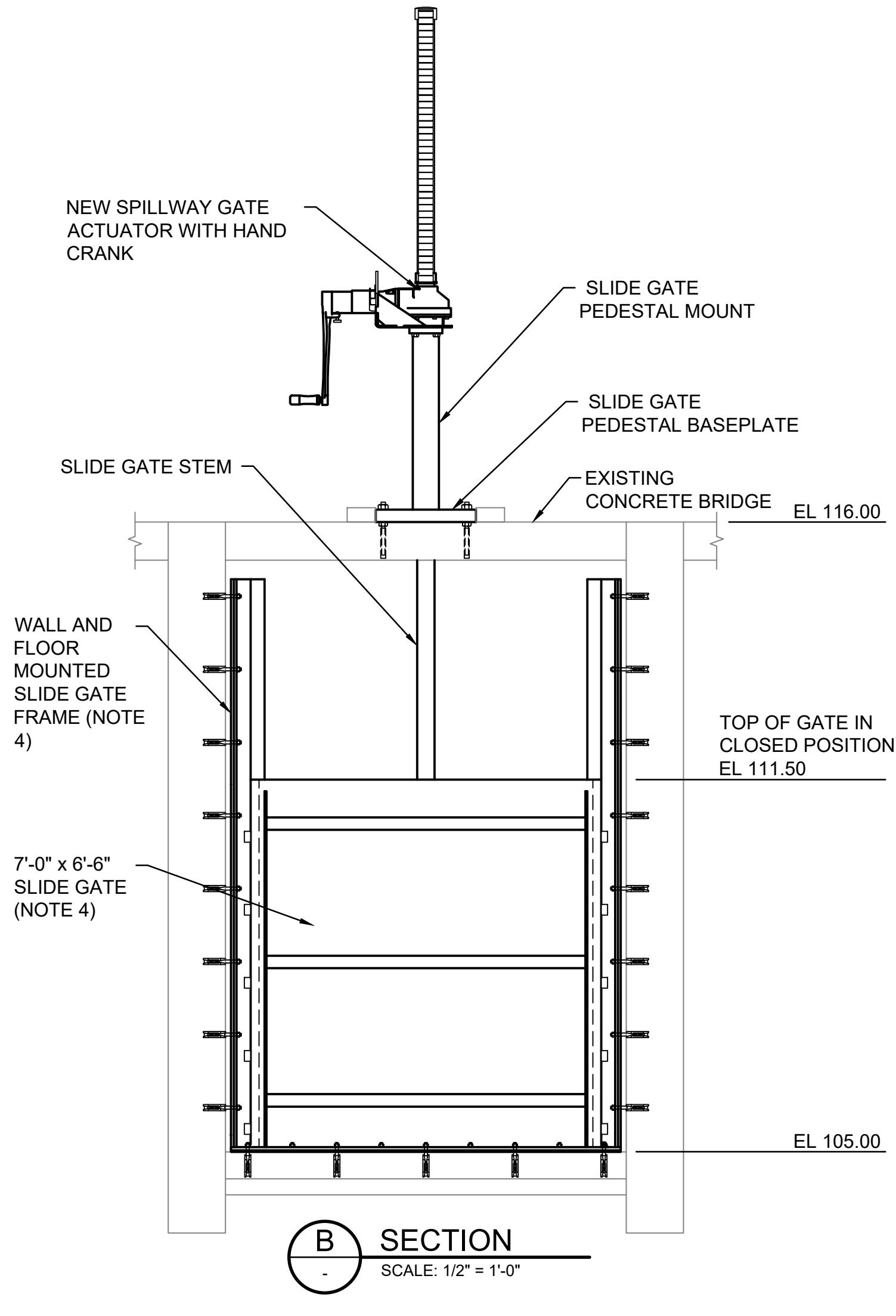
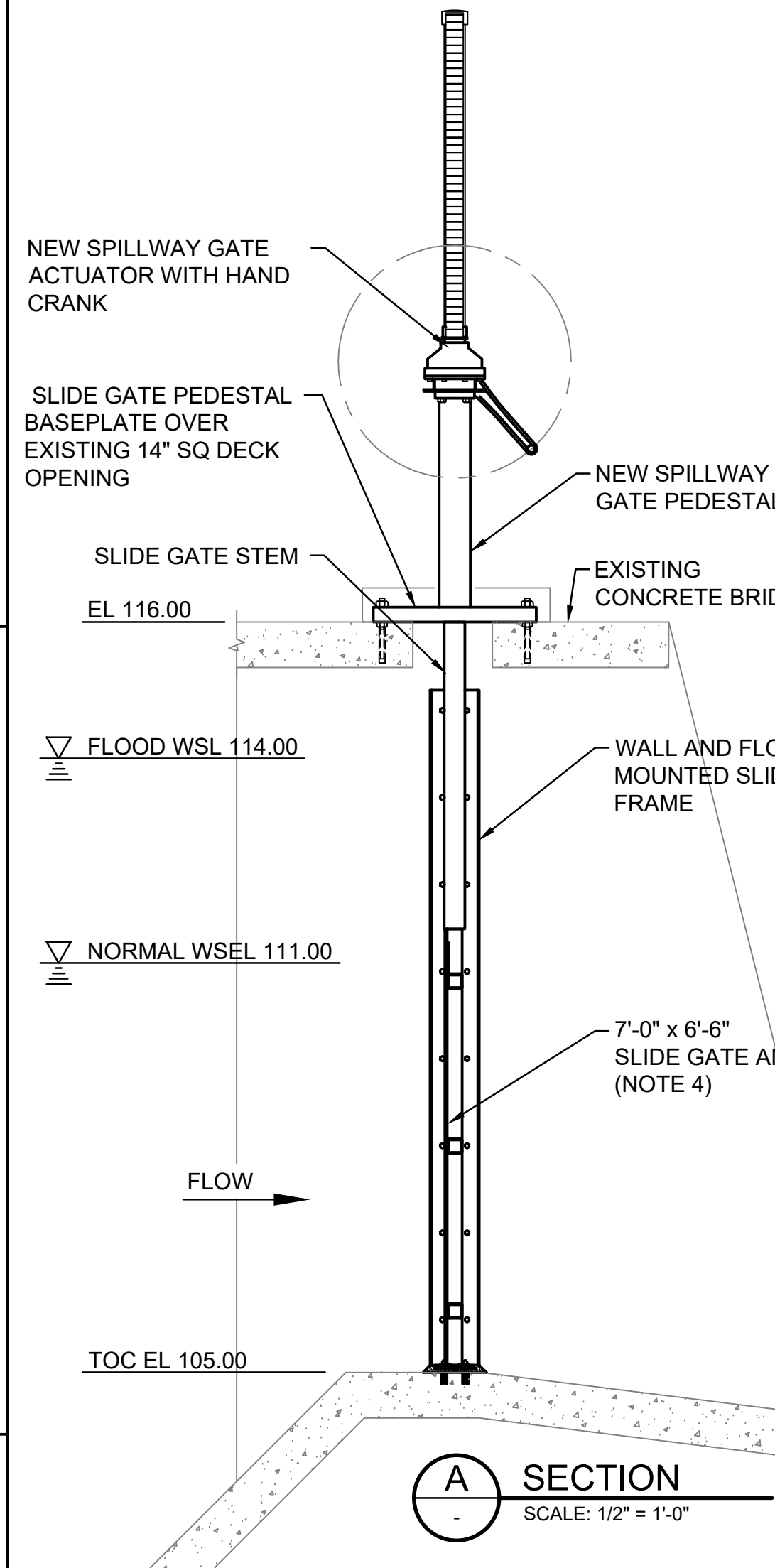
- GATE ACTUATOR SHALL BE ORIENTED IN BEST POSSIBLE POSITION FOR ACCESS AND MAINTENANCE. THE ACTUATOR HANDCRANKS SHALL BE ORIENTED AS SHOWN IN THE PLAN DRAWINGS TO PROVIDE ACCESS THROUGH THE SPILLWAY DECK.
- THE ACTUATOR PEDESTAL SHALL BE CAPABLE OF SUPPORTING AND SECURING A MANUAL ACTUATOR AND ALSO IN THE FUTURE BE ABLE TO ACCOMMODATE AN ELECTRIC ACTUATOR TO REPLACE THE MANUAL ACTUATOR WITH MINIMAL MODIFICATIONS.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS PRIOR TO PROCUREMENT OF NEW GATES AND ASSOCIATED HARDWARE.
- REPLACEMENT GATES SHALL BE NON-SELF CONTAINED, PRE-FABRICATED, STAINLESS STEEL SLIDE GATES, DESIGNED AND MANUFACTURED TO MEET AWWA C561. GATES SHALL BE SUPPLIED WITH UHMW SLIDING AND SEATING SURFACES, AND WITH APPROPRIATE FRAMES TO BE WALL AND FLOOR MOUNTED TO THE EXISTING CONCRETE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND THE SPECIFICATION. THE GATES SHALL BE COMPATIBLE WITH THE SUPPLIED GATE OPERATOR
- ALL SLIDE GATE BASEPLATES ON TOP OF THE CONCRETE DECK SHALL BE HOT DIP GALVANIZED. BASEPLATE THICKNESS SHALL BE 3/4" INCH MINIMUM.
- ALL ANCHOR BOLTS FOR THE SLIDE GATE PEDESTAL SHALL BE SIZED PER THE GATE MANUFACTURER'S RECOMMENDATION. CALCULATIONS FOR THE ANCHOR BOLT SIZING SHALL BE PROVIDED TO THE ENGINEER FOR REVIEW.
- WHEN NOT IN OPERATION THE HAND CRANK OPERATOR SHALL BE DETACHED AND THE ACTUATOR PEDESTAL SHALL HAVE A SAFETY GUARD TO PROTECT THE OPERATING SQUARE NUT FOR THE VALVE.
- THE ACTUATOR PEDESTAL SHALL BE PROVIDED WITH A PROTECTIVE GUARD AROUND THE EXISTING STEM TO PROTECT THE STEM FROM ANY EXTERNAL FORCES. THE GUARD SHALL HAVE AN INDICATOR TO MONITOR THE OPEN POSITION OF THE GATE.
- PROVIDE AN ANTI-SLIP COATING OVER THE COVER PLATE TO PREVENT A SLIPPING HAZARD ALONG THE FINISHED GRADE.

GENERAL DEMOLITION NOTES

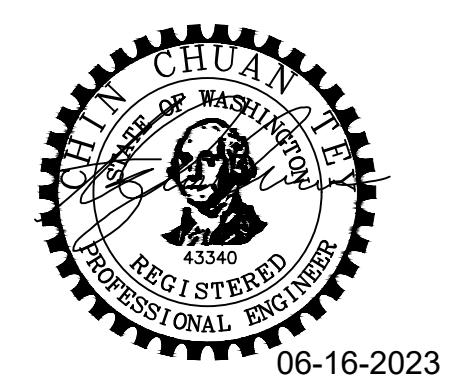
- CONTRACTOR IS EXPECTED TO EXAMINE THE WORK SITE TO DETERMINE THE CHARACTER AND EXTENT OF DEMOLITION. THE CONTRACTOR SHALL EXERCISE EXTREME CARE AND ATTENTION WHEN PERFORMING DEMOLITION WORK TO LIMIT UNINTENDED DAMAGE TO EXISTING INFRASTRUCTURE AS MUCH AS PRACTICABLE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL COSTS, EXPENSES, AND SCHEDULE DELAYS ASSOCIATED WITH THE NEED TO REPAIR EXISTING STRUCTURES DAMAGED BY DEMOLITION ACTIVITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEMOLITION OF ALL THE MATERIALS TO BE REMOVED AS SHOWN ON THE CONTRACT DRAWINGS. THE CONTRACTOR SHALL NOTIFY THE CITY OF COMPLETION OF THE DEMOLITION. THE CITY SHALL BE RESPOND WITHIN 48 HOURS TO SALVAGE ANY USABLE MATERIALS. AFTER THE CITY HAS CLAIMED ANY USABLE MATERIALS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ANY NON-SALVAGED MATERIALS, IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL CODES AND REQUIREMENTS.

DEMOLITION NOTES FOR M-001

- EXISTING GATES AND ASSOCIATED HARDWARE SHALL BE DEMOLISHED IN THEIR ENTIRETY. PROTRUDING ANCHORS SHALL BE CUT FLUSH TO THE CONCRETE SURFACE. CONCRETE LIPS LOCATED IMMEDIATELY DOWNSTREAM OF THE GATES SHALL BE DEMOLISHED FLUSH TO THE SURROUNDING CONCRETE SURFACE TO PERMIT INSTALLATION OF THE NEW GATES.
- THE EXISTING GROUT PADS SHALL BE DEMOLISHED FLUSH WITH THE TOP OF THE EXISTING CONCRETE DECK.
- CONTRACTOR SHALL PROPERLY CONTAIN ALL CONCRETE DEBRIS AND WASTEWATER, AS APPLICABLE, TO PREVENT IT FROM ENTERING ROUND LAKE AND LACAMAS CREEK. CONTRACTOR SHALL LIMIT CONCRETE DUST RISING AND SCATTERING IN THE AREA AND SHALL COMPLY WITH APPLICABLE GOVERNMENT REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.



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06-16-2023



CITY OF CAMAS
 Camas, Washington

LACAMAS LAKE DAM
 GATE REPLACEMENT PROJECT

Scale AS SHOWN

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| 202306280 | MA | MA | BB | 2023.06.16 |
| Project No. | Dwn. | Dsgn. | Chkd. | YYYY.MM.DD |

UPPER DAM SPILLWAY SLIDE GATE
 ACTUATOR DEMOLITION AND
 REPLACEMENT

Revision 0

M-001

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