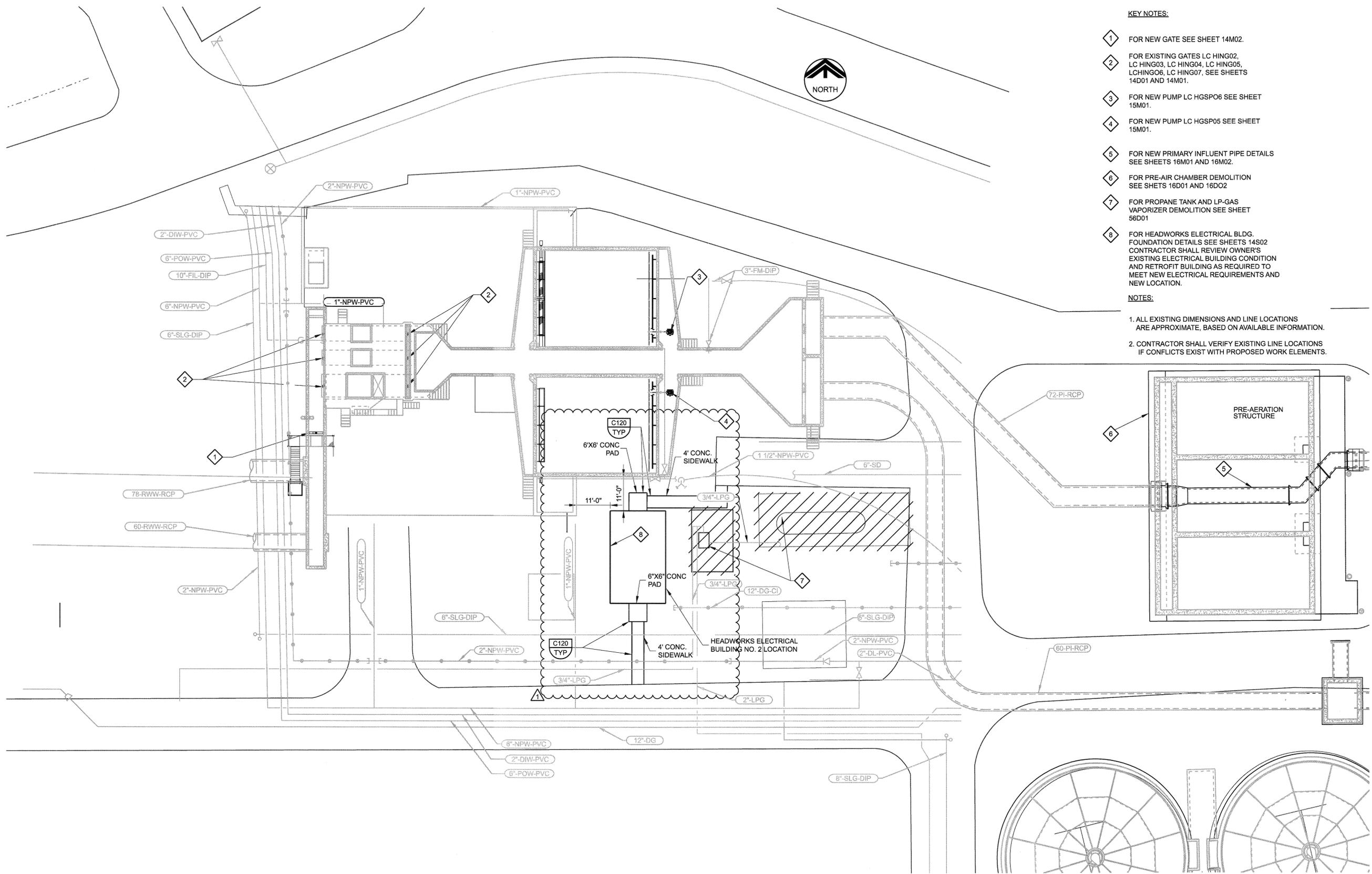


FILE NAME: LC-06-650-014-C01.dgn

PROJECT NO. 7473A.10

DATE: 16-DEC-2008 08:09

LAST SAVED BY: kpodley



**KEY NOTES:**

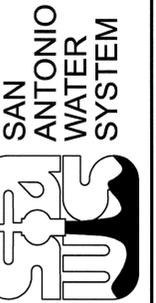
- 1 FOR NEW GATE SEE SHEET 14M02.
- 2 FOR EXISTING GATES LC HING02, LC HING03, LC HING04, LC HING05, LC HING06, LC HING07, SEE SHEETS 14D01 AND 14M01.
- 3 FOR NEW PUMP LC HGSP06 SEE SHEET 15M01.
- 4 FOR NEW PUMP LC HGSP05 SEE SHEET 15M01.
- 5 FOR NEW PRIMARY INFLUENT PIPE DETAILS SEE SHEETS 16M01 AND 16M02.
- 6 FOR PRE-AIR CHAMBER DEMOLITION SEE SHETS 16D01 AND 16D02
- 7 FOR PROPANE TANK AND LP-GAS VAPORIZER DEMOLITION SEE SHEET 56D01
- 8 FOR HEADWORKS ELECTRICAL BLDG. FOUNDATION DETAILS SEE SHEETS 14S02 CONTRACTOR SHALL REVIEW OWNER'S EXISTING ELECTRICAL BUILDING CONDITION AND RETROFIT BUILDING AS REQUIRED TO MEET NEW ELECTRICAL REQUIREMENTS AND NEW LOCATION.

**NOTES:**

- 1. ALL EXISTING DIMENSIONS AND LINE LOCATIONS ARE APPROXIMATE, BASED ON AVAILABLE INFORMATION.
- 2. CONTRACTOR SHALL VERIFY EXISTING LINE LOCATIONS IF CONFLICTS EXIST WITH PROPOSED WORK ELEMENTS.

10/08	DATE	
ADDENDUM NO. 4	REVISIONS	
JER	APP.	

**CONFORMED DRAWINGS**



SAWS JOB No. 06-6502  
LEON CREEK WRC  
IMPROVEMENTS PROJECT

**YARD HEADWORKS**

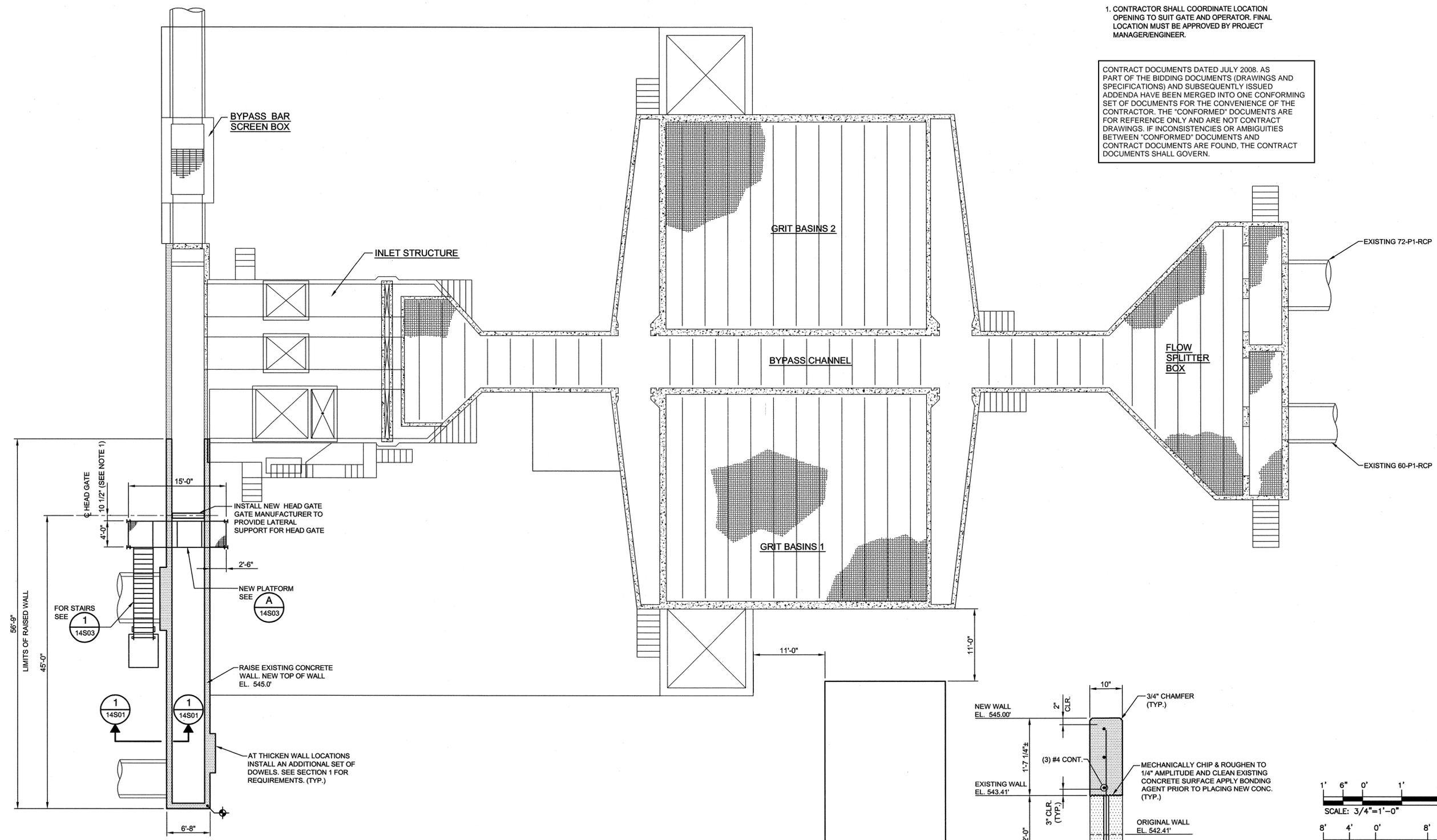
Designed by: JR  
Drawn by: KG  
Checked by: JR

Drawing **14C01**  
Sheet 11 of 472

**A YARD HEADWORKS PLAN**  
SCALE: 1/16"=1'  
FILE: LC-06-650-014-C01.dgn

CONTRACT DOCUMENTS DATED JULY 2008, AS PART OF THE BIDDING DOCUMENTS (DRAWINGS AND SPECIFICATIONS) AND SUBSEQUENTLY ISSUED ADDENDA HAVE BEEN MERGED INTO ONE CONFORMING SET OF DOCUMENTS FOR THE CONVENIENCE OF THE CONTRACTOR. THE "CONFORMED" DOCUMENTS ARE FOR REFERENCE ONLY AND ARE NOT CONTRACT DRAWINGS. IF INCONSISTENCIES OR AMBIGUITIES BETWEEN "CONFORMED" DOCUMENTS AND CONTRACT DOCUMENTS ARE FOUND, THE CONTRACT DOCUMENTS SHALL GOVERN.

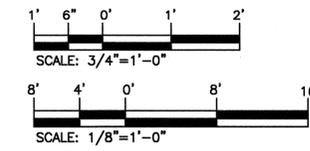
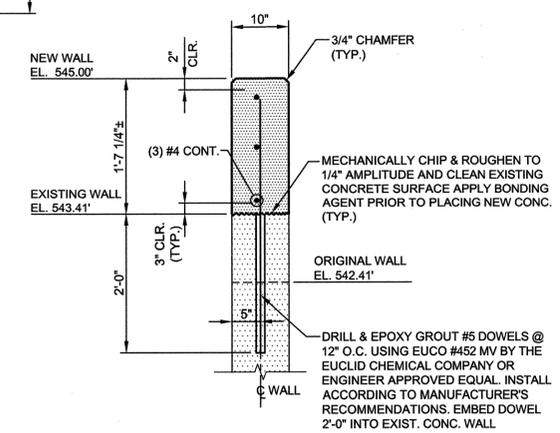
DATE: \$/time\$



**NOTE:**

1. CONTRACTOR SHALL COORDINATE LOCATION OPENING TO SUIT GATE AND OPERATOR. FINAL LOCATION MUST BE APPROVED BY PROJECT MANAGER/ENGINEER.

CONTRACT DOCUMENTS DATED JULY 2008. AS PART OF THE BIDDING DOCUMENTS (DRAWINGS AND SPECIFICATIONS) AND SUBSEQUENTLY ISSUED ADDENDA HAVE BEEN MERGED INTO ONE CONFORMING SET OF DOCUMENTS FOR THE CONVENIENCE OF THE CONTRACTOR. THE "CONFORMED" DOCUMENTS ARE FOR REFERENCE ONLY AND ARE NOT CONTRACT DRAWINGS. IF INCONSISTENCIES OR AMBIGUITIES BETWEEN "CONFORMED" DOCUMENTS AND CONTRACT DOCUMENTS ARE FOUND, THE CONTRACT DOCUMENTS SHALL GOVERN.



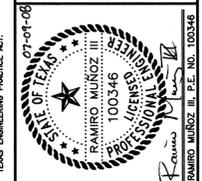
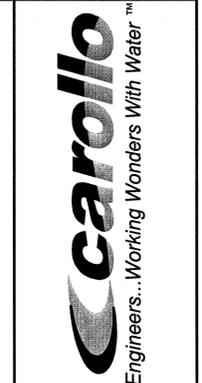
**A HEADWORK INFLUENT CHANNEL PLAN**  
SCALE: 1/8"=1'-0"  
FILE: LC-06-650-010-S-9100

HEADWORKS ELECTRICAL BLDG. SEE 14S02 FOR FOUNDATION PLAN

**1 SECTION**  
SCALE: 3/4"=1'-0"  
FILE:

THE SEAL APPEARING ON THIS DRAWING IS THE PROPERTY OF RAMIRO MUÑOZ III, P.E. NO. 100346. IT IS TO BE KEPT IN THE DRAWING AND NOT TO BE REPRODUCED OR COPIED WITHOUT PROPER PERMISSION FROM THE ENGINEER. THE ENGINEER'S SEAL IS THE PROPERTY OF THE ENGINEER AND NOT TO BE REPRODUCED OR COPIED WITHOUT PROPER PERMISSION FROM THE ENGINEER. THE ENGINEER'S SEAL IS THE PROPERTY OF THE ENGINEER AND NOT TO BE REPRODUCED OR COPIED WITHOUT PROPER PERMISSION FROM THE ENGINEER.

No.	DATE	REVISIONS	APP.

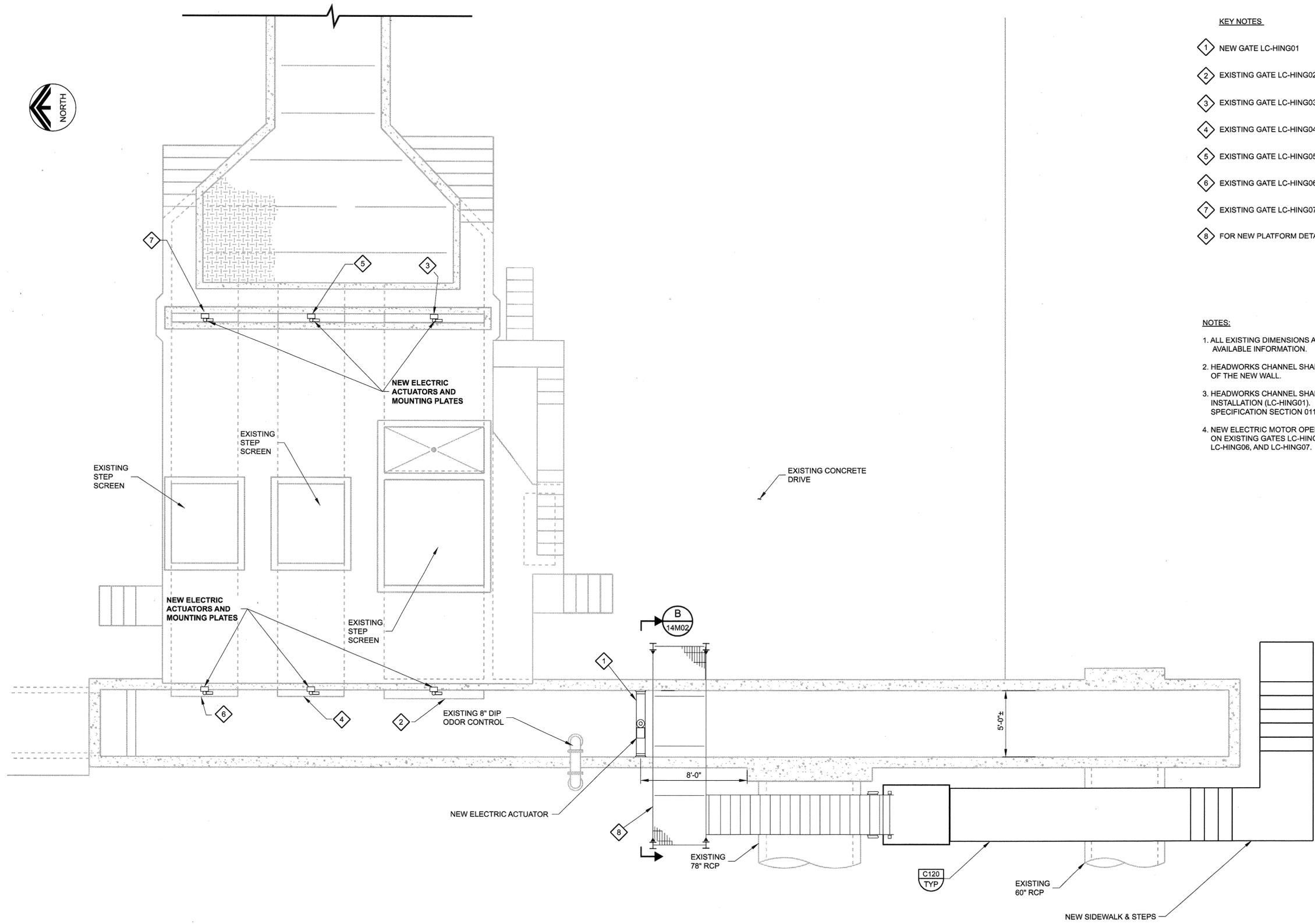


SAWS JOB No. 06-6502  
LEON CREEK WRC  
IMPROVEMENTS PROJECT  
STRUCTURAL  
HEADWORKS INFLUENT CHANNEL PLAN  
SECTION, AND DETAILS

Designed by: RM  
Drawn by: PO  
Checked by: ET

Drawing **14S01**  
Sheet **12** of **472**

LAST SAVED BY: kgodley DATE: 02-JUL-2008 18:40 PROJECT NO. 7473A.10 FILE NAME: LC-06-650-014-M01.dgn



**KEY NOTES**

- 1 NEW GATE LC-HING01
- 2 EXISTING GATE LC-HING02
- 3 EXISTING GATE LC-HING03
- 4 EXISTING GATE LC-HING04
- 5 EXISTING GATE LC-HING05
- 6 EXISTING GATE LC-HING06
- 7 EXISTING GATE LC-HING07
- 8 FOR NEW PLATFORM DETAILS, SEE SHEETS 14S01, 14S03, AND 14S04.

**NOTES**

1. ALL EXISTING DIMENSIONS AND ELEVATIONS ARE APPROXIMATE, BASED ON AVAILABLE INFORMATION.
2. HEADWORKS CHANNEL SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE NEW WALL.
3. HEADWORKS CHANNEL SHALL BE ISOLATED AND DRAINED FOR THE GATE FRAME INSTALLATION (LC-HING01). FOR A PROPOSED CONSTRUCTION SEQUENCE REFER TO SPECIFICATION SECTION 01140 WORK RESTRICTIONS.
4. NEW ELECTRIC MOTOR OPERATORS AND MOUNTING PLATES SHALL BE INSTALLED ON EXISTING GATES LC-HING02, LC-HING03, LC-HING04, LC-HING05, LC-HING06, AND LC-HING07.

**A HEADWORKS PLAN**  
 SCALE: 1/8"=1'  
 FILE: LC-06-650-010-S-9100.dgn

CONTRACT DOCUMENTS DATED JULY 2008. AS PART OF THE BIDDING DOCUMENTS (DRAWINGS AND SPECIFICATIONS) AND SUBSEQUENTLY ISSUED ADDENDA HAVE BEEN MERGED INTO ONE CONFORMING SET OF DOCUMENTS FOR THE CONVENIENCE OF THE CONTRACTOR. THE "CONFORMED" DOCUMENTS ARE FOR REFERENCE ONLY AND ARE NOT CONTRACT DRAWINGS. IF INCONSISTENCIES OR AMBIGUITIES BETWEEN "CONFORMED" DOCUMENTS AND CONTRACT DOCUMENTS ARE FOUND, THE CONTRACT DOCUMENTS SHALL GOVERN.

No.	DATE	REVISIONS	APP.

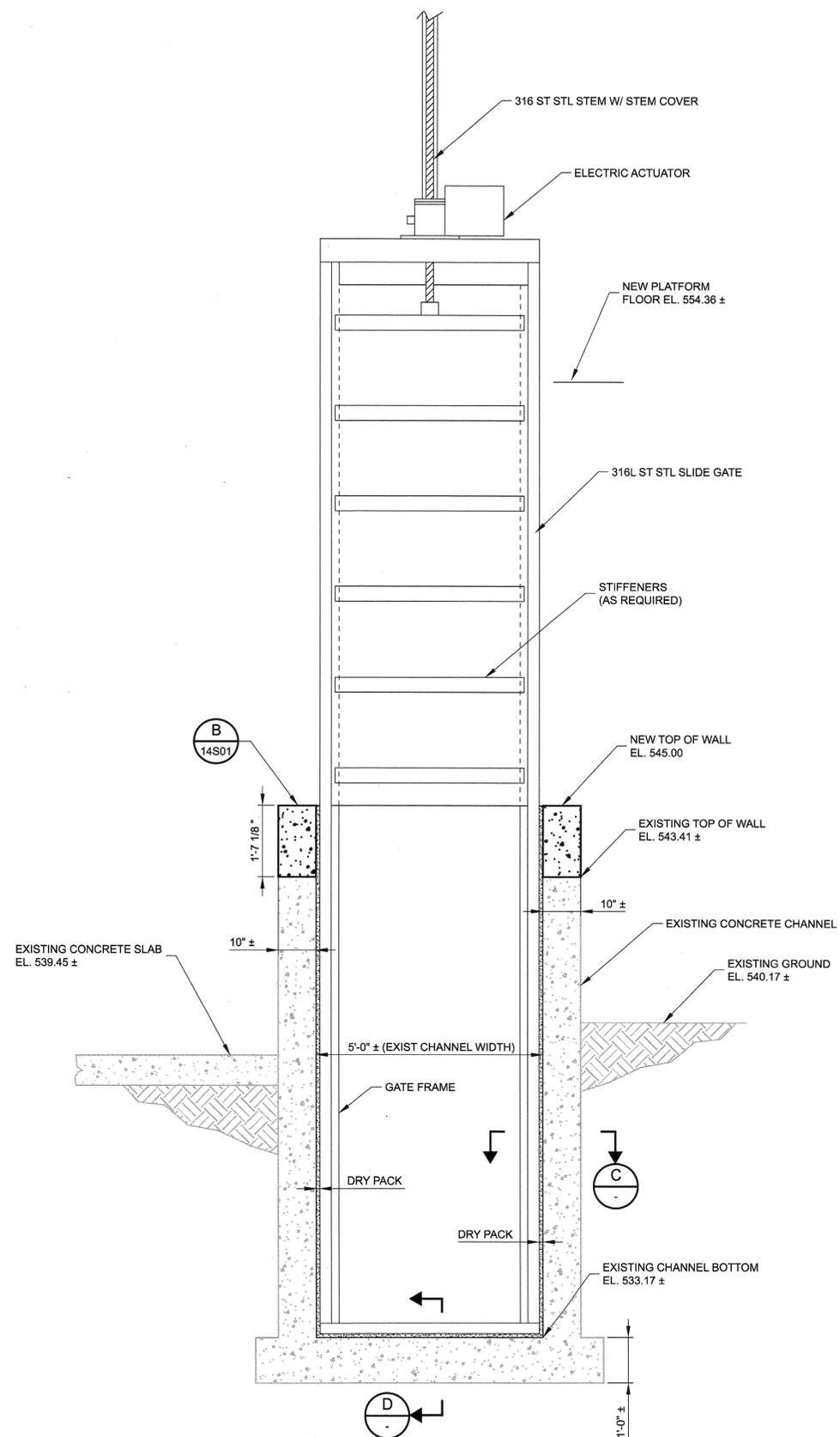


SAWS JOB No. 06-6502  
 LEON CREEK WRC  
 IMPROVEMENTS PROJECT  
 MECHANICAL  
 HEADWORKS PLAN

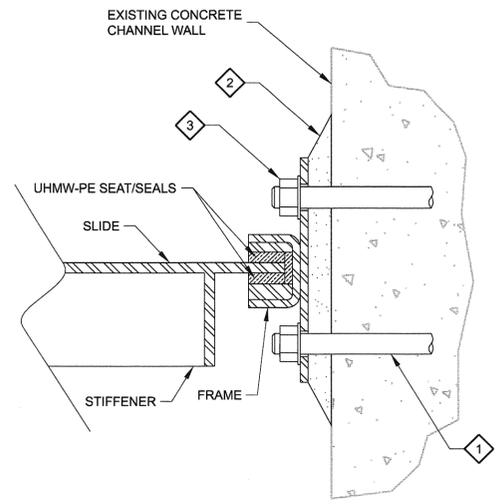
Designed by:  
 Drawn by: KG  
 Checked by: JR

Drawing **14M01**  
 Sheet 16 of 472

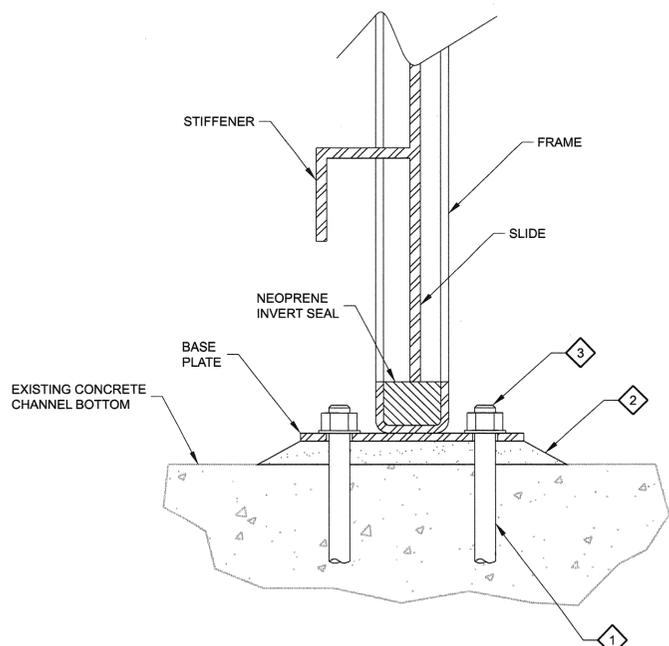
LAST SAVED BY: kgdolley DATE: 02-JUL-2008 18:41 PROJECT NO. 7473A.10 FILE NAME: LC-06-650-014-M02



**B HEADWORKS CHANNEL GATE SECTION**  
 14M01 SCALE: NTS  
 FILE: LC-06-650-014-M02



**C SECTION**



**D SECTION**

**NOTES:**

1. ALL EXISTING DIMENSIONS AND ELEVATIONS ARE APPROXIMATE, BASED ON AVAILABLE INFORMATION.
2. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS OF EXISTING CHANNEL AND CHANNEL WALL PLUMBNESS FOR NEW GATE FRAME.
3. FOR CHANNEL STRUCTURAL IMPROVEMENTS, SEE SHEET 14S01. FOR NEW PLATFORM SEE SHEETS 14S01 AND 14S03.
3. HEADWORKS CHANNEL SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE NEW WALL.
4. HEADWORKS CHANNEL SHALL BE ISOLATED AND DRAINED FOR THE INSTALLATION OF THE GATE FRAME. WORK INSIDE THE CHANNEL SHALL NOT EXCEED 8 HOURS PER DAY (INCLUDING PLACEMENT AND REMOVAL OF TRAFFIC PLATE AND SAND BAGS). FOR A PROPOSED CONSTRUCTION SEQUENCE REFER TO SPECIFICATION SECTION 01140 WORK RESTRICTIONS.

**KEY NOTES:**

- 1 USE EPOXY ADHESIVE ANCHORS PER SPECIFICATION 03055 OF SUFFICIENT LENGTH AND QUANTITY TO ANCHOR GATE PER MANUFACTURER'S RECOMMENDATIONS.
- 2 PLACE DRY PACK GROUT UNDER BASE PLATE/FRAME.
- 3 USE STAINLESS STEEL (TYPE 316) HARDWARE.

TAG ID NO.	OPENING SIZE "W" x "H"	CLOSURE TYPE	FRAME TYPE	FRAME MOUNTING	FRAME & SLIDE MATERIAL	DESIGN HEAD		STEM TYPE	STEM MATERIAL	TYPE OF OPERATOR
						(FT)	(TYPE)			
LC-HING01	5'-0" x 11'-10"	DC	SC	EC	316L ST STL	12'-10"	SH	RS	316 ST STL	EMO

**KEY:** DC = DOWNWARD CLOSING; EC = EXISTING CHANNEL; EMO = ELECTRIC MOTOR OPERATOR; RS = RISING STEM; SC = SELF CONTAINED; SH = SEATING HEAD; 316L SS = TYPE 316L STAINLESS STEEL; 316 SS = TYPE 316 STAINLESS STEEL.

**E HEADWORKS CHANNEL GATE SCHEDULE**  
 SCALE: NTS  
 FILE:

CONTRACT DOCUMENTS DATED JULY 2008. AS PART OF THE BIDDING DOCUMENTS (DRAWINGS AND SPECIFICATIONS) AND SUBSEQUENTLY ISSUED ADDENDA HAVE BEEN MERGED INTO ONE CONFORMING SET OF DOCUMENTS FOR THE CONVENIENCE OF THE CONTRACTOR. THE "CONFORMED" DOCUMENTS ARE FOR REFERENCE ONLY AND ARE NOT CONTRACT DRAWINGS. IF INCONSISTENCIES OR AMBIGUITIES BETWEEN "CONFORMED" DOCUMENTS AND CONTRACT DOCUMENTS ARE FOUND, THE CONTRACT DOCUMENTS SHALL GOVERN.

APP. REVISIONS DATE No.

**LNV ENGINEERING**  
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**SAN ANTONIO WATER SYSTEM**

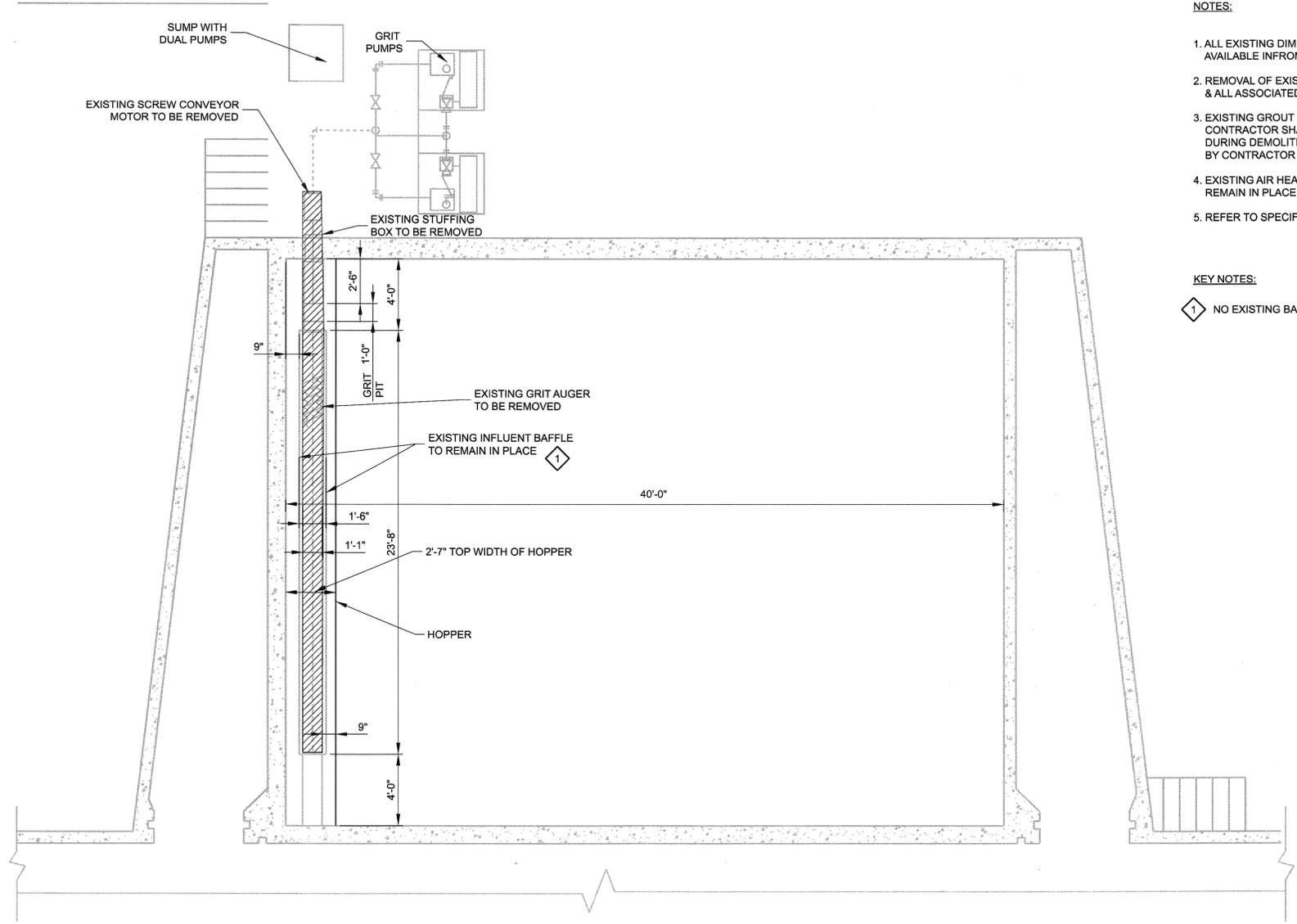
SAWS JOB No. 06-6502  
 LEON CREEK WRC  
 IMPROVEMENTS PROJECT

MECHANICAL  
**HEADWORKS  
 SECTIONS AND DETAILS**

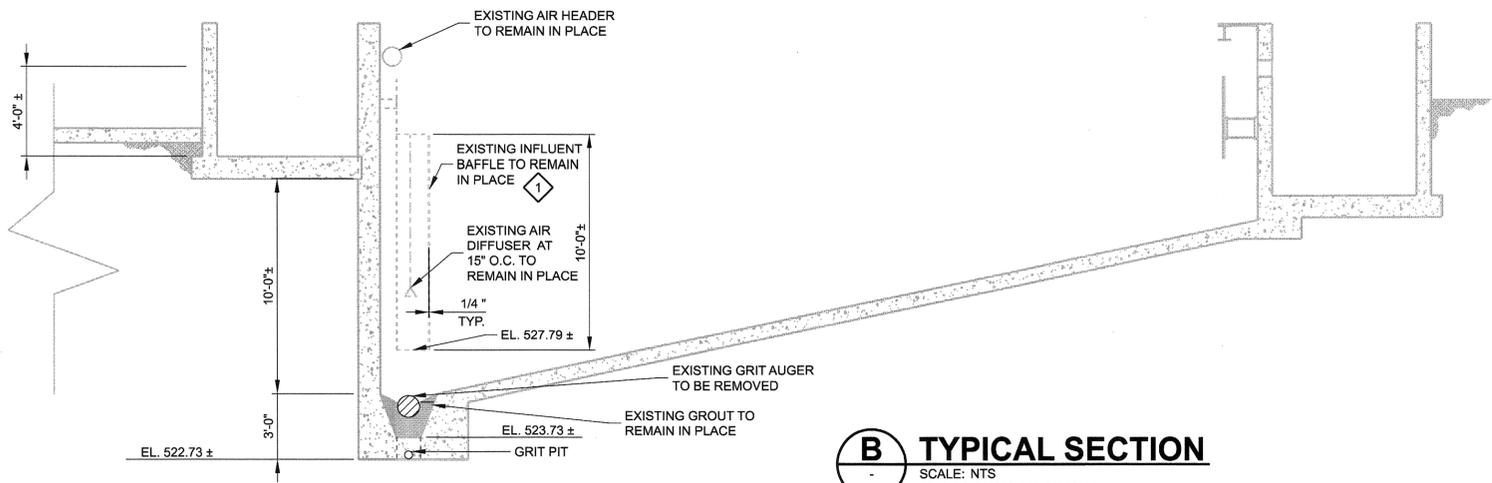
Designed by:  
 Drawn by: KG  
 Checked by: JR

Drawing **14M02**  
 Sheet 17 of 472

LAST SAVED BY: kgodley DATE: 02-JUL-2008 18:41 PROJECT NO. 7473A.10 FILE NAME: LC-06-650-015-D01.dgn



**A GRIT BASIN 2 PLAN (GRIT BASIN 1 SIMILAR)**  
 SCALE: NTS  
 FILE: LC-06-650-015-S-9100.dgn



**B TYPICAL SECTION**  
 SCALE: NTS  
 FILE: LC-06-650-015-S-9100.dgn

- NOTES:**
1. ALL EXISTING DIMENSIONS AND ELEVATIONS ARE APPROXIMATE, BASED ON AVAILABLE INFORMATION.
  2. REMOVAL OF EXISTING GRIT AUGERS SHALL INCLUDE REMOVAL OF AUGER & ALL ASSOCIATED HANGERS, BRACKETS, AND BEARINGS
  3. EXISTING GROUT IN BOTTOM OF GRIT HOPPERS SHALL NOT BE REMOVED. CONTRACTOR SHALL EXERCISE CARE TO NOT DAMAGE EXISTING GROUT DURING DEMOLITION. ANY DAMAGES TO EXISTING GROUT SHALL BE REPAIRED BY CONTRACTOR AT CONTRACTORS EXPENSE.
  4. EXISTING AIR HEADERS, INFLUENT BAFFLES, AND AIR DIFFUSERS SHALL REMAIN IN PLACE.
  5. REFER TO SPECIFICATION SECTION 01140 WORK RESTRICTIONS.

- KEY NOTES:**
- 1 NO EXISTING BAFFLE IN GRIT BASIN NO. 1.



CONTRACT DOCUMENTS DATED JULY 2008. AS PART OF THE BIDDING DOCUMENTS (DRAWINGS AND SPECIFICATIONS) AND SUBSEQUENTLY ISSUED ADDENDA HAVE BEEN MERGED INTO ONE CONFORMING SET OF DOCUMENTS FOR THE CONVENIENCE OF THE CONTRACTOR. THE "CONFORMED" DOCUMENTS ARE FOR REFERENCE ONLY AND ARE NOT CONTRACT DRAWINGS. IF INCONSISTENCIES OR AMBIGUITIES BETWEEN "CONFORMED" DOCUMENTS AND CONTRACT DOCUMENTS ARE FOUND, THE CONTRACT DOCUMENTS SHALL GOVERN.

No.	DATE	REVISIONS	APP.

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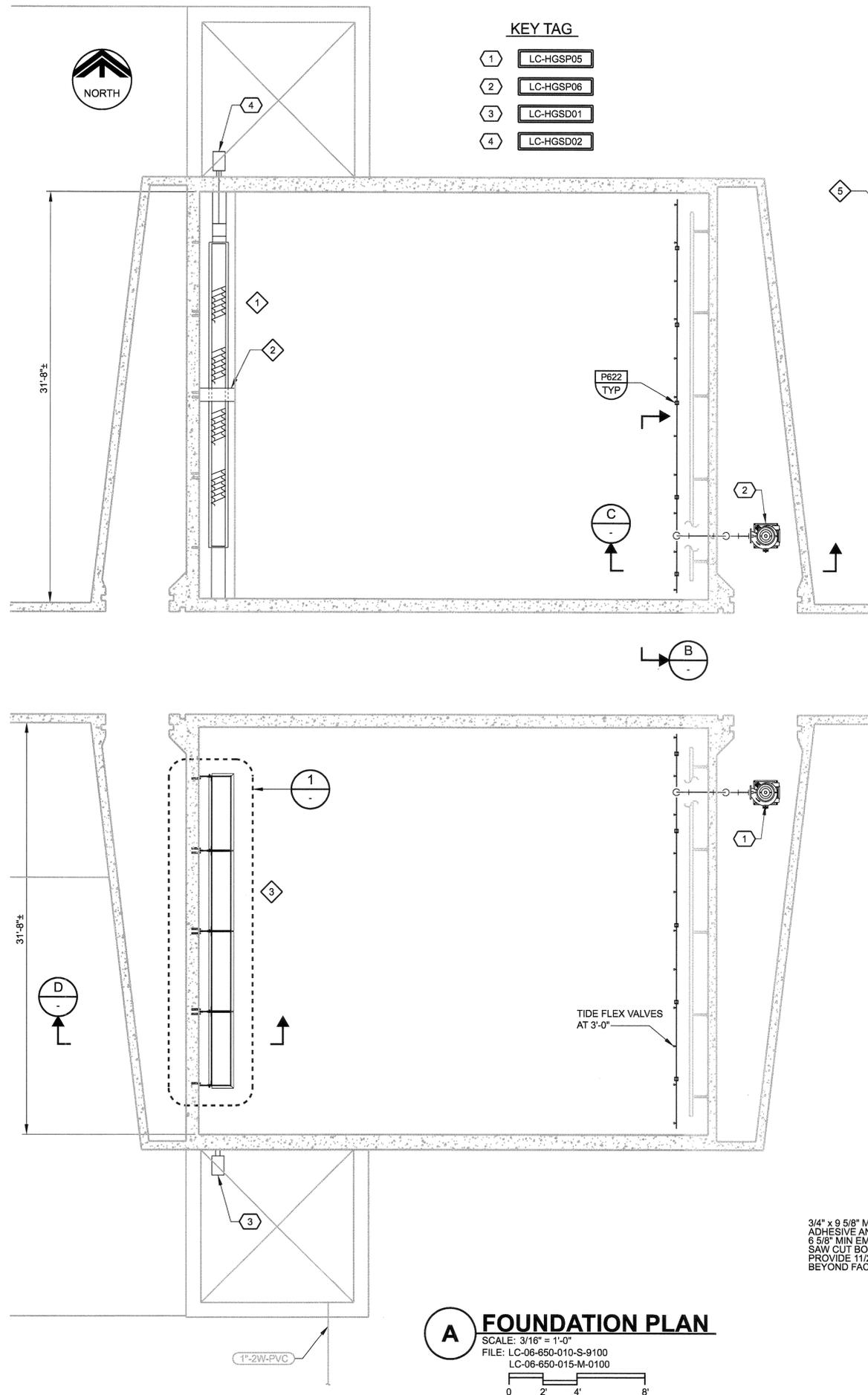
**SAN ANTONIO WATER SYSTEM**



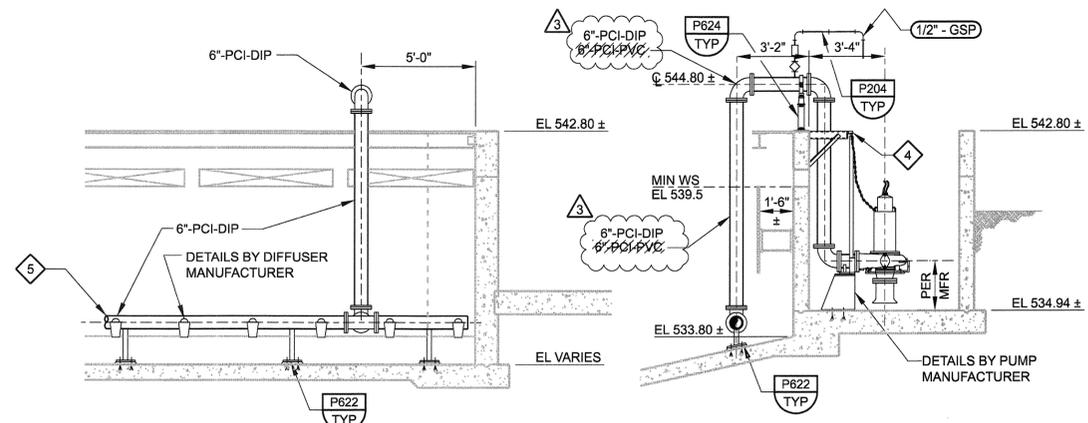
SAWS JOB No. 06-6502  
 LEON CREEK WRC  
 IMPROVEMENTS PROJECT  
 DEMOLITION  
**GRIT BASIN AUGER  
 PLAN AND SECTION**

Designed by: \_\_\_\_\_  
 Drawn by: KG  
 Checked by: JR  
 Drawing **15D01**  
 Sheet 18 of 472

LAST SAVED BY: kbequette DATE: 05-DEC-2008 17:20 PROJECT NO. 7473A.10 FILE NAME: LC-06-650-015-M01.dgn

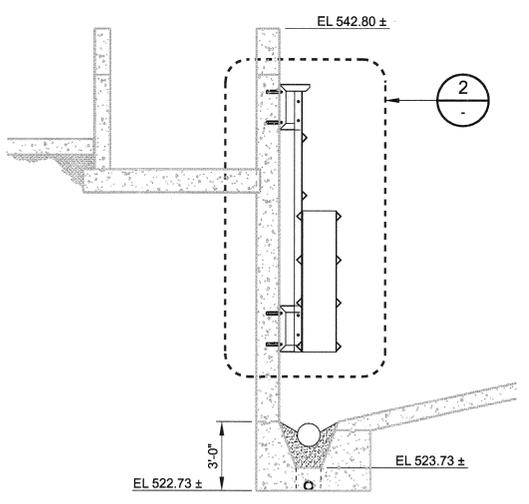


**A FOUNDATION PLAN**  
 SCALE: 3/16" = 1'-0"  
 FILE: LC-06-650-010-S-9100  
 LC-06-650-015-M-0100

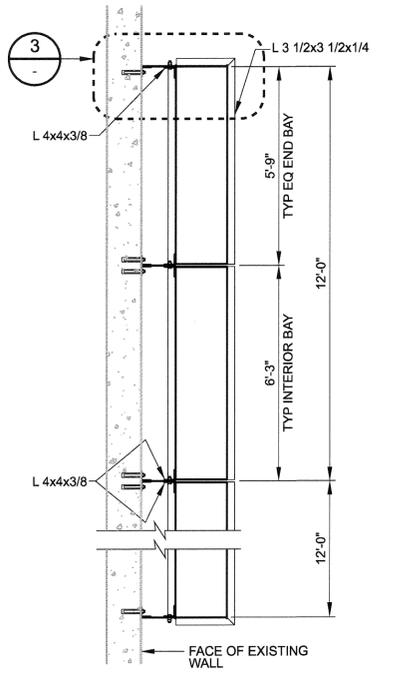


**B SECTION**  
 SCALE: 1/4" = 1'-0"  
 FILE: LC-06-650-015-S-9201  
 LC-06-650-015-M-0201

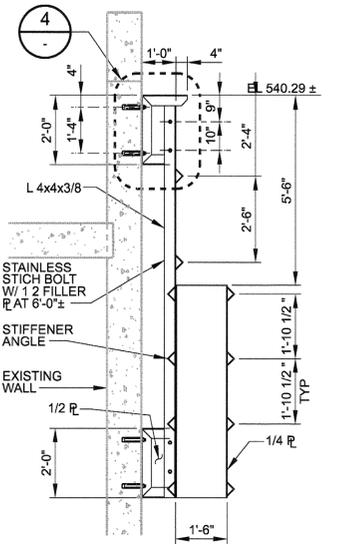
**C SECTION**  
 SCALE: 1/4" = 1'-0"  
 FILE: LC-06-650-015-S-9200  
 LC-06-650-015-M-0200



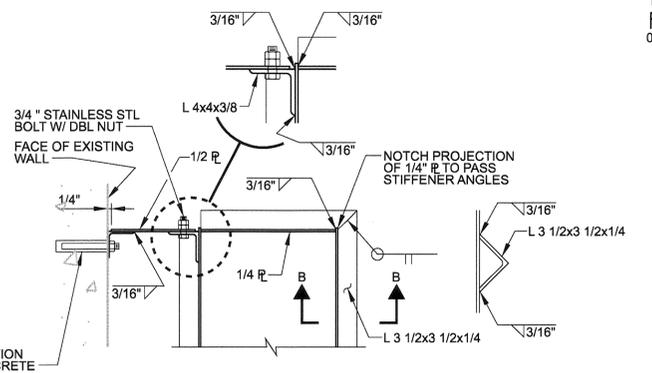
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 SCALE: 1/4" = 1'-0"  
 FILE: LC-06-650-015-S-9200  
 LC-06-650-015-M-0200



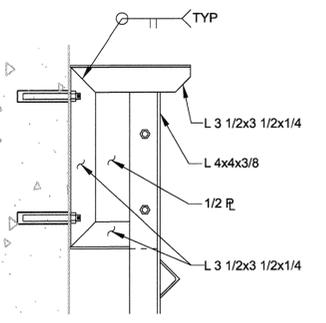
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 SCALE: 3/8" = 1'-0"  
 FILE: LC-06-650-010-S-9100  
 LC-06-650-015-M-0100



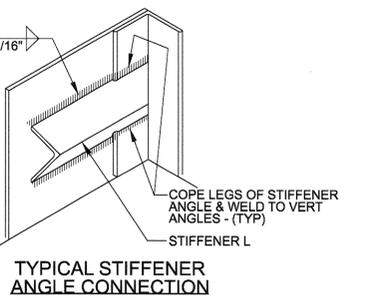
**2 DETAIL**  
 SCALE: 3/8" = 1'-0"  
 FILE: LC-06-650-015-S-9200  
 LC-06-650-015-M-0200



**3 DETAIL**  
 SCALE: 1" = 1'-0"  
 FILE: LC-06-650-010-S-9100  
 LC-06-650-015-M-0100



**4 DETAIL**  
 SCALE: 1" = 1'-0"  
 FILE: LC-06-650-015-S-9200  
 LC-06-650-015-M-0200



**TYPICAL STIFFENER ANGLE CONNECTION**

CONTRACT DOCUMENTS DATED JULY 2008, AS PART OF THE BIDDING DOCUMENTS (DRAWINGS AND SPECIFICATIONS) AND SUBSEQUENTLY ISSUED ADDENDA HAVE BEEN MERGED INTO ONE CONFORMING SET OF DOCUMENTS FOR THE CONVENIENCE OF THE CONTRACTOR. THE "CONFORMED" DOCUMENTS ARE FOR REFERENCE ONLY AND ARE NOT CONTRACT DRAWINGS. IF INCONSISTENCIES OR AMBIGUITIES BETWEEN "CONFORMED" DOCUMENTS AND CONTRACT DOCUMENTS ARE FOUND, THE CONTRACT DOCUMENTS SHALL GOVERN.

**KEY TAG**

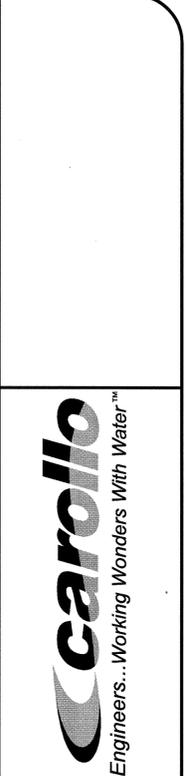
1	LC-HGSP05
2	LC-HGSP06
3	LC-HGSD01
4	LC-HGSD02

- NOTES**
- ALL EXISTING DIMENSIONS AND ELEVATIONS ARE APPROXIMATE, BASED ON AVAILABLE INFORMATION.
  - CONTRACTOR SHALL FIELD VERIFY THE SCREW CONVEYOR TROUGH DIMENSIONS.
  - ALL STRUCTURAL SECTIONS AND PLATES USED FOR BAFFLE CONSTRUCTION SHALL BE ALUMINUM 6061-T-6 OR 6061-T-651. NUTS AND BOLTS SHALL BE 316 STAINLESS STEEL.
  - ALUMINUM SURFACE TO BE IN CONTACT WITH CONCRETE SHALL BE PAINTED WITH BUTYLIUMINOUS PAINT PER SPEC SECTION 09960.
  - DIFFUSER MANUFACTURER SHALL PROVIDE DUCKBILL-TYPE CHECK VALVES, PVC HEADER AND VERTICAL PIPE, AND WELDED SUPPORTS AND FITTINGS.
  - DIFFUSER MANIFOLD SHALL BE PVC SCHEDULE 80 WITH STAINLESS STEEL SUPPORTS AND HARDWARE.
  - CONTRACTOR SHALL DISASSEMBLE DIFFUSER PIPING PRIOR TO INSTALLATION OF BAFFLE.
  - CONTRACTOR SHALL MODIFY AND REPLACE CHECKERED ALUMINUM PLATE AS NECESSARY FOR THE NEW INSTALLATION.
  - CONTRACTOR SHALL CUT EXISTING BAFFLE FOR THE INSTALLATION OF THE DISCHARGE PIPING IF NECESSARY.

- KEY NOTES**
- EXISTING BAFFLE NOT SHOWN FOR CLARITY
  - INTERMEDIATE BEARING
  - NEW SCREW CONVEYOR NOT SHOWN FOR CLARITY
  - GUIDE RAILS AND BRACKET PROVIDED BY PUMP MANUFACTURER
  - "DUCKBILL" TYPE NEOPRENE FLAPPER CHECKVALVE WITH INTEGRAL FLANGE.

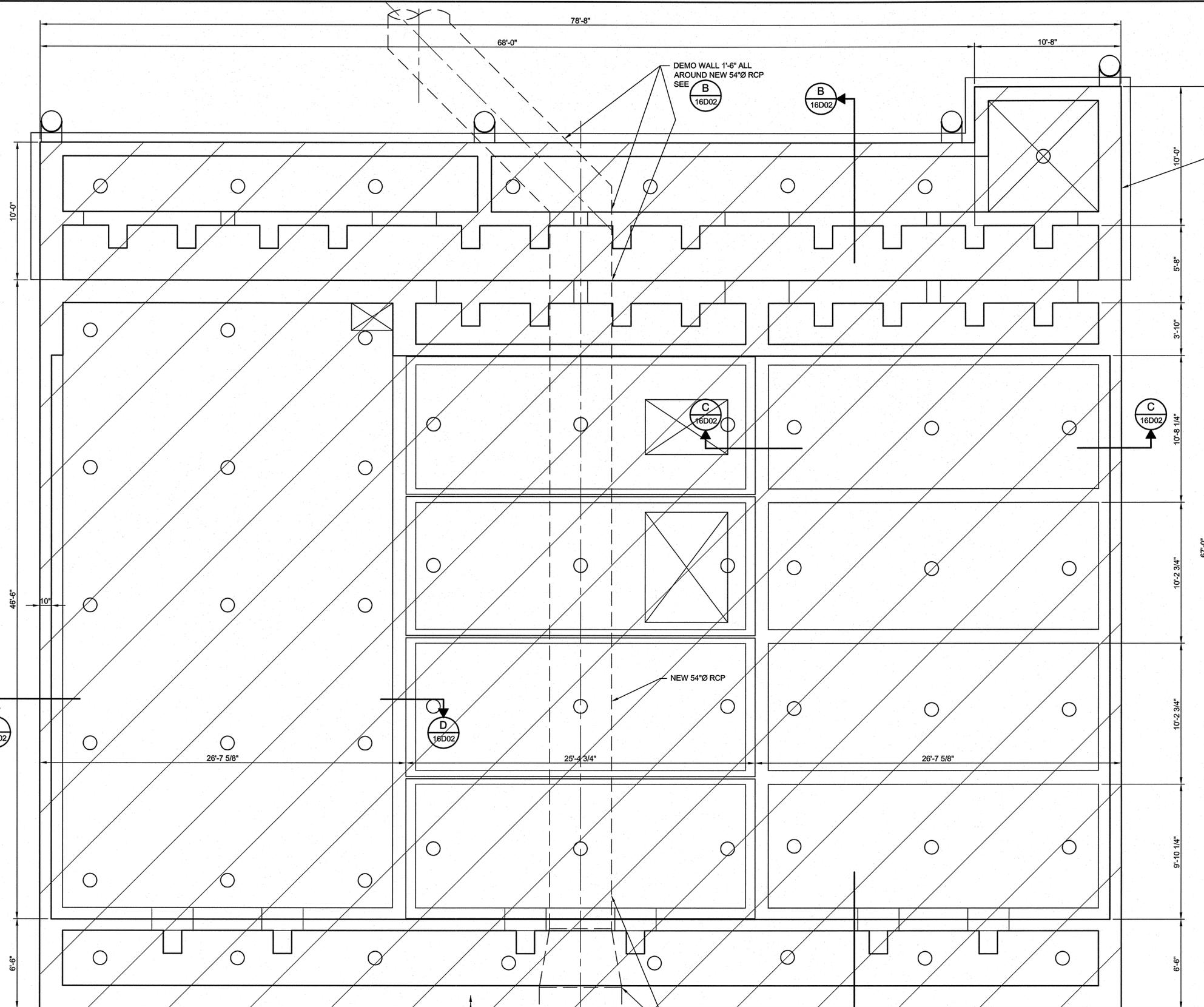
REK	
APP.	
REVISIONS	
9/08	DATE
3	No.

CONFORMED DRAWINGS



SAWS JOB No. 06-6502  
 LEON CREEK WRC  
 IMPROVEMENTS PROJECT  
 MECHANICAL  
**GRIT BASINS RECIRCULATION PUMP PLAN AND SECTIONS**

Designed by: TS  
 Drawn by: DE  
 Checked by:  
 Drawing **15M01**  
 Sheet 19 of 472



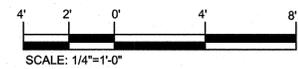
**LEGEND:**

- TO REMAIN
- TO BE REMOVED

DEMOLISH PRE-AERATION TANKS TO 3'-0" BELOW EXISTING GRADE. REFER TO DRAWING 16D02

**DEMOLITION NOTES:**

1. REMOVE PRE-CAST CONCRETE SLABS AND PROPERLY DISPOSE OF.
2. SAW CUT AND/OR MECHANICALLY CHIP EXISTING CONCRETE STRUCTURE DOWN TO 3'-0" BELOW EXISTING GRADE.
3. REMOVE CONCRETE RUBBLE AND PROPERLY DISPOSE OF.
4. CORE 12"Ø HOLES THRU EXISTING FLOOR AT 10'-0" O.C. MAX. SPACING STARTING AT 2'-0" FROM INTERIOR EDGE OF WALLS. SEE SHEET 16D02 FOR SECTIONS.
5. CONTRACTOR TO INSTALL SELECT FILL AS SHOWN ON SHEET 16D02.
6. THE SELECT FILL MATERIAL SHALL BE PLACED IN SUCH A MANNER THAT THE COMPACTED LIFT HEIGHT DOES NOT EXCEED 6".
7. THE SELECT FILL SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DENSITY DETERMINED BY ASTM D-698-91.
8. EACH LIFT SHALL BE TESTED AT A MINIMUM OF (3) DENSITIES PER LIFT OR 1 PER 2500 SQ. FT., WHICHEVER IS GREATER.
9. CONTRACTOR SHALL REFER TO SPECIFICATION 01140 FOR CONSTRUCTION SEQUENCING IN THIS AREA.
10. THE CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ELECTRICAL, INSTRUMENTATION, AND CONTROL COMPONENTS, CONDUITS, AND WIRE THAT SERVE THE EIGHTEEN PRE-AIR CHAMBER MOTORIZED GATE ACTUATORS. NOT ALL MOTORIZED GATE ACTUATORS AND ELECTRICAL, INSTRUMENTATION, AND CONTROL COMPONENTS ARE SHOWN ON THIS DRAWING. NEVERTHELESS, THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION OF ALL THE ELECTRICAL, INSTRUMENTATION, AND CONTROL COMPONENTS ASSOCIATED WITH THE PRE-AIR CHAMBER MOTORIZED GATE ACTUATORS. THE MOTORIZED GATE ACTUATORS ARE SERVED FROM THE MOTOR CONTROL CENTER/DISTRIBUTION PANEL/LIGHTING PANEL LOCATED AT THE ODOR CONTROL FACILITY. DISCONNECT AND REMOVE WIRE IN ITS ENTIRETY. DISCONNECT AND REMOVE EXPOSED CONDUITS AND ASSOCIATED SUPPORTS AND PULLBOXES IN THEIR ENTIRETY. CONDUITS ROUTED UNDERGROUND SHALL REMAIN AND SHALL BE CAPPED IN ACCORDANCE WITH THE APPLICABLE DETAILS ON DRAWING NOS. 91T09 AND 91T17. FOR ADDITIONAL INFORMATION, THE CONTRACTOR MAY REFER TO THE RECORD DRAWING SET TITLED 'LEON CREEK FLOW EQUALIZATION FACILITY CATEGORY NO. 5' DATED OCTOBER 1991 AND RECORDED AS FILE 'LC 87-6501' IN THE OWNER'S RECORD DRAWING FILES.
11. ALL ELECTRICAL DEMOLITION ACTIVITIES SHALL ALSO BE FULLY COORDINATED WITH MECHANICAL/STRUCTURAL/CIVIL/ETC., DEMOLITION ACTIVITIES. ALSO REFER TO THE CONSTRUCTION SEQUENCING REQUIREMENTS ELSEWHERE IN THE CONTRACT DOCUMENTS FOR ADDITIONAL COORDINATION REQUIREMENTS. ALL DEMOLISHED ITEMS SHALL REMAIN THE PROPERTY OF THE OWNER. RELOCATE ALL DEMOLISHED ITEMS TO LOCATIONS SPECIFIED BY THE OWNER AT NO ADDITIONAL COST TO THE OWNER.



CONTRACT DOCUMENTS DATED JULY 2008, AS PART OF THE BIDDING DOCUMENTS (DRAWINGS AND SPECIFICATIONS) AND SUBSEQUENTLY ISSUED ADDENDA HAVE BEEN MERGED INTO ONE CONFORMING SET OF DOCUMENTS FOR THE CONVENIENCE OF THE CONTRACTOR. THE "CONFORMED" DOCUMENTS ARE FOR REFERENCE ONLY AND ARE NOT CONTRACT DRAWINGS. IF INCONSISTENCIES OR AMBIGUITIES BETWEEN "CONFORMED" DOCUMENTS AND CONTRACT DOCUMENTS ARE FOUND, THE CONTRACT DOCUMENTS SHALL GOVERN.

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No.	DATE	REVISIONS	APP.
1	12/08	ADDENDUM NO. 4	RM

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engineers & consultants

**carollo**  
Engineers...Working Wonders With Water™

**SAN ANTONIO WATER SYSTEM**

Professional Engineer Seal for Ramiro Munoz, License No. 100346, State of Texas.

SAWS JOB No. 06-6502  
LEON CREEK WRC  
IMPROVEMENTS PROJECT  
DEMOLITION  
PREAERATION CHAMBER  
DEMOLITION PLAN

Designed by: RM  
Drawn by: PO  
Checked by: ET

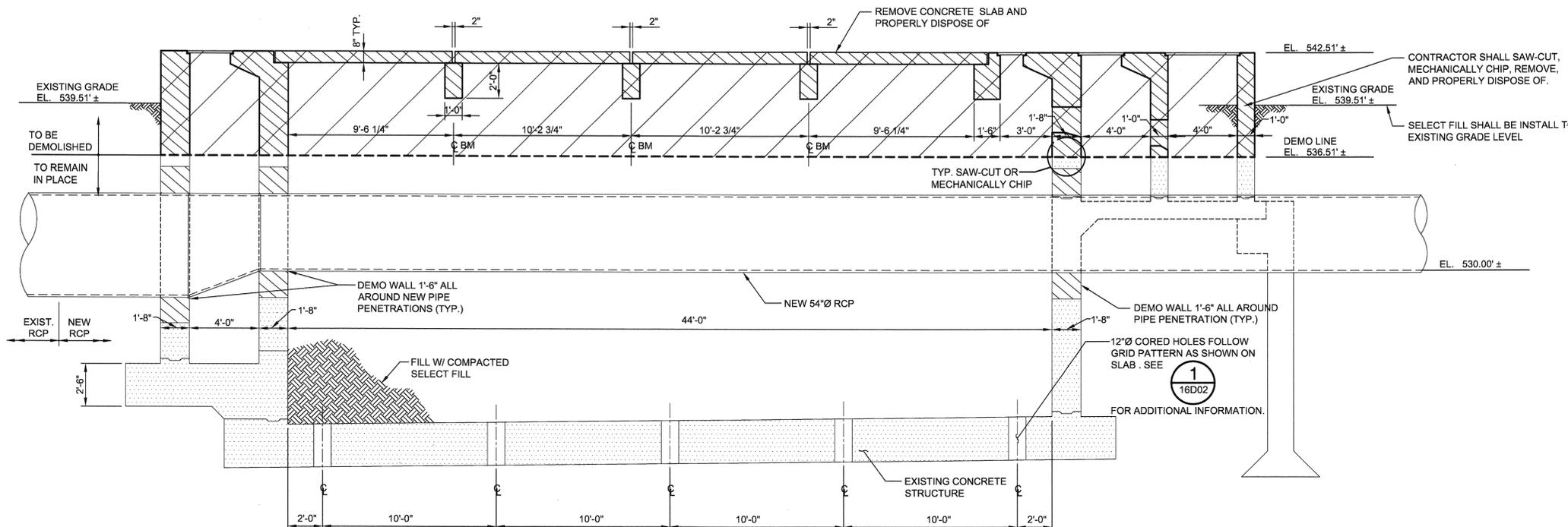
Drawing **16D01**

Sheet 20 of 472

**A PLAN @ PRE-AERATION TANKS DEMOLITION**  
SCALE: 1/4"=1'-0"  
FILE: LC-06-650-016-S-9100

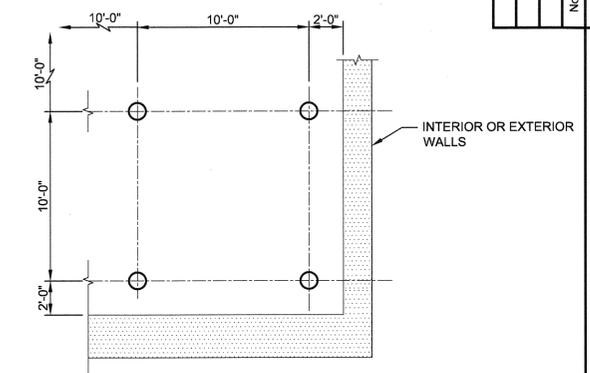


DATE: \$time\$

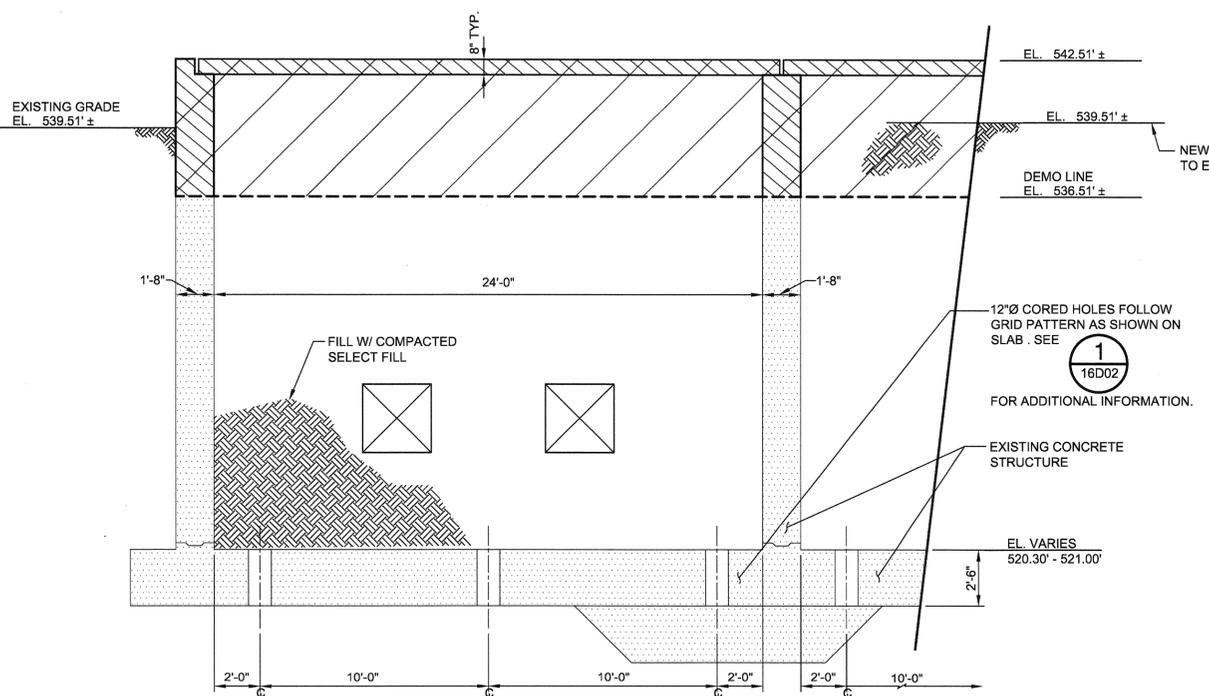


**B SECTION @ PRE-AERATION TANKS**  
 16D01 SCALE: 1/4"=1'-0"  
 FILE: LC-06-650-016-S-9200

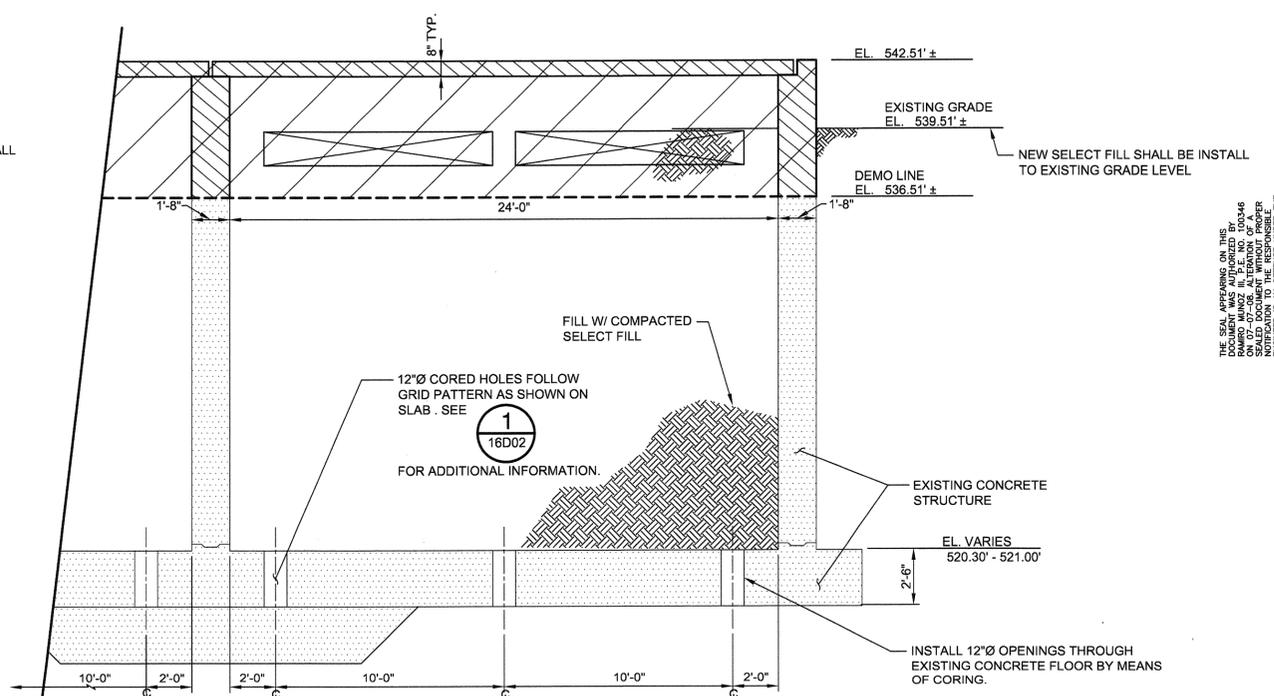
**LEGEND:**  
  
 TO REMAIN  
 TO BE REMOVED  
 REFER TO DRAWING 16D01 FOR DEMOLITION NOTES



**1 TYPICAL GRID PATTERN OF 12" Ø CORED HOLES IN FLOOR SLAB**  
 16D02 N.T.S.



**C SECTION**  
 16D01 SCALE: 1/4"=1'-0"  
 FILE: LC-06-650-016-S-9201



**D SECTION**  
 16D01 SCALE: 1/4"=1'-0"  
 FILE: LC-06-650-016-S-9202



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NO.	DATE	REVISIONS	APP.

**LNV ENGINEERING**  
 Engineers & consultants

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**SAN ANTONIO WATER SYSTEM**

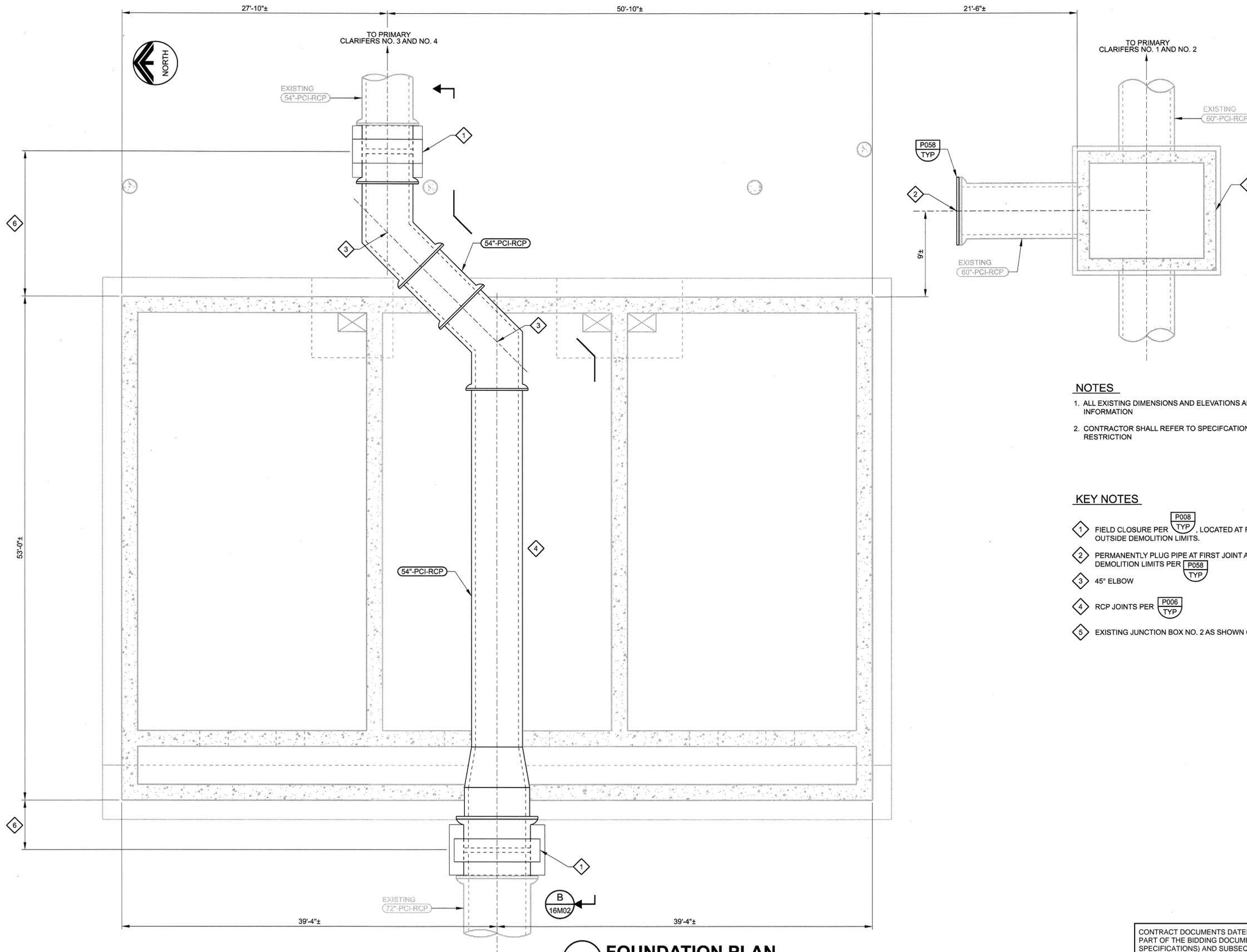
STATE OF TEXAS  
 PROFESSIONAL ENGINEER  
 RAMIRO MUNOZ, P.E.  
 100346  
 EXPIRES 07-01-12

**SAWS JOB No. 06-6502  
 LEON CREEK WRC  
 IMPROVEMENTS PROJECT**  
 DEMOLITION  
**PREAERATION CHAMBER DEMOLITION SECTIONS**

Designed by: RM  
 Drawn by: PO  
 Checked by: ET  
 Drawing **16D02**  
 Sheet **21** of **472**

DATE: 5/11/08

LAST SAVED BY: deniquez DATE: 02-JUL-2008 18:41 PROJECT NO. 7473A.10 FILE NAME: LC-06-650-016-M01.dgn



**NOTES**

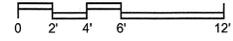
1. ALL EXISTING DIMENSIONS AND ELEVATIONS ARE BASED ON AVAILABLE INFORMATION
2. CONTRACTOR SHALL REFER TO SPECIFICATION SECTION 01140 WORK RESTRICTION

**KEY NOTES**

- 1 FIELD CLOSURE PER  LOCATED AT FIRST JOINT OUTSIDE DEMOLITION LIMITS.
- 2 PERMANENTLY PLUG PIPE AT FIRST JOINT ADJACENT TO DEMOLITION LIMITS PER 
- 3 45° ELBOW
- 4 RCP JOINTS PER 
- 5 EXISTING JUNCTION BOX NO. 2 AS SHOWN ON 14C01

**A FOUNDATION PLAN**

SCALE: 3/16" = 1'-0"  
 FILE: LC-06-650-016-S-9100  
 LC-06-650-016-M-0100



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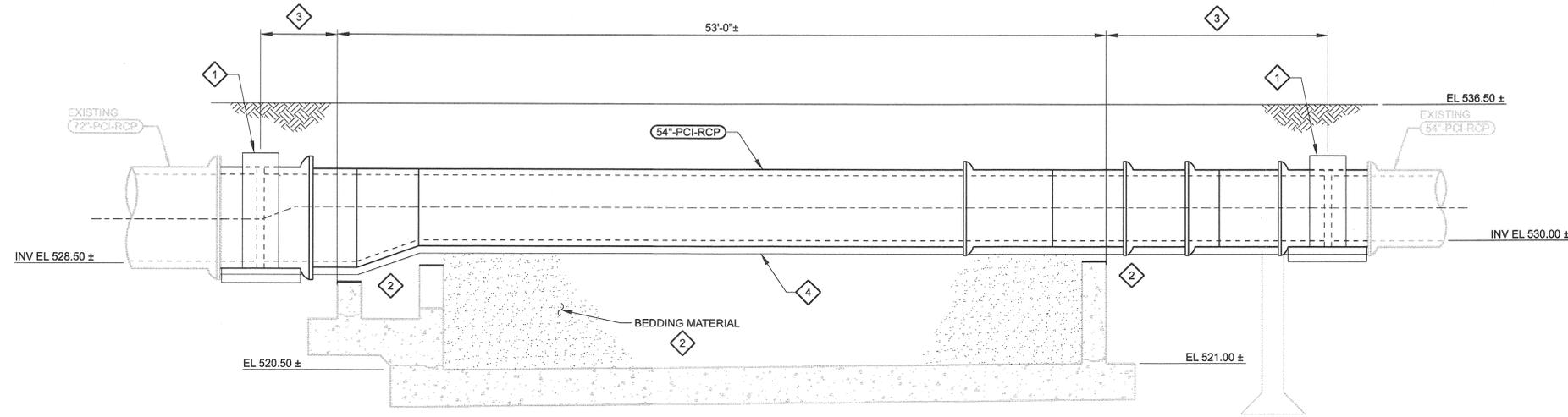
No.	DATE	REVISIONS	APP.



SAWS JOB No. 06-6502  
 LEON CREEK WRC  
 IMPROVEMENTS PROJECT  
 MECHANICAL  
**PREAERATION CHAMBER  
 PLAN**

Designed by: TS  
 Drawn by: DE  
 Checked by:   
 Drawing **16M01**  
 Sheet **22** of **472**

LAST SAVED BY: cdenriquez DATE: 02-JUL-2008 18:41 PROJECT NO. 7473A.10 FILE NAME: LC-06-650-016-M02.dgn



**B SECTION**  
 16M01 SCALE: 3/16" = 1'-0"  
 FILE: LC-06-650-016-S-9200  
 LC-06-650-016-M-0201

**NOTES**

1. ALL EXISTING DIMENSIONS AND ELEVATIONS ARE APPROXIMATE, BASED ON AVAILABLE INFORMATION
2. DURING CONSTRUCTION, CLARIFIERS NO. 3 AND NO. 4 MUST BE TAKEN OUT OF SERVICE. CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH WORK AT PRIMARY SLUDGE PUMP STATION NO. 2 FOR A PROPOSED CONSTRUCTION SEQUENCE REFER TO SPECIFICATION SECTION 01140 WORK RESTRICTION

**KEY NOTES**

- 1. FIELD CLOSURE PER  LOCATED AT FIRST JOINT OUTSIDE DEMOLITION LIMITS.
- 2. SELECT FILL COMPACTED TO 95% COMPACTION.
- 3. CONTRACTOR SHALL LOCATE FIRST JOINT IN THE FIELD. OUTSIDE DEMOLITION LIMITS.
- 4. 6" LAYER OF BEDDING MATERIAL

APP.	REVISIONS	DATE	No.



SAWS JOB No. 06-6502  
 LEON CREEK WRC  
 IMPROVEMENTS PROJECT  
 MECHANICAL  
 PREAERATION CHAMBER  
 SECTION AND DETAILS

Designed by: TS  
 Drawn by: DE  
 Checked by:  
 Drawing **16M02**  
 Sheet 23 of 472

CONTRACT DOCUMENTS DATED JULY 2008. AS PART OF THE BIDDING DOCUMENTS (DRAWINGS AND SPECIFICATIONS) AND SUBSEQUENTLY ISSUED ADDENDA HAVE BEEN MERGED INTO ONE CONFORMING SET OF DOCUMENTS FOR THE CONVENIENCE OF THE CONTRACTOR. THE "CONFORMED" DOCUMENTS ARE FOR REFERENCE ONLY AND ARE NOT CONTRACT DRAWINGS. IF INCONSISTENCIES OR AMBIGUITIES BETWEEN "CONFORMED" DOCUMENTS AND CONTRACT DOCUMENTS ARE FOUND, THE CONTRACT DOCUMENTS SHALL GOVERN.