CENTRAL ARKANSAS WATER
JACK H WILSON WATER TREATMENT PLANT
WILSON RENEWAL AND RESLIENCY PROJECT
ADDENDUM NO. 5
JANUARY 30, 2025

This Addendum forms part of the Contract Documents and modifies the Specifications and Drawings as noted below. Acknowledge receipt of the Addendum in the space provided on the Bid Proposal. Failure to acknowledge receipt of the Addendum may subject the Bidder to disqualification.

This Addendum consists of 19 pages, including attachments.

A. SPECIFICATIONS

1. Section 08 33 13 – ROLLING COUNTER FIRE DOOR
    a. Remove this specification.
2. Section 40 71 23.13 – VENTURI FLOW METERS
    a. Remove this specification.
3. Section 43 11 18 – MULTISTAGE CENTRIFUGAL BLOWERS
    a. Modify Paragraph 2.01.B to the following:
        a. The blower shall be Model 1604-ADOI with 28” impellers as manufactured by Gardner Denver, Inc.; Model ZM 8 04-412 with 29” impellers and 30” impellers as manufactured by Atlas Copco; or Model 400A.05 with 26” impellers as manufactured by Continental Blower. No substitutions shall be permitted. The model, number and type of impellers shall be verified by the blower manufacturer. Any modifications of the requirements presented herein shall be at the expense of the Contractor and shall be submitted to the Engineer for review, comment and acceptance.
    b. Modify Paragraph 2.10.A to the following:

a. The blower supplier shall furnish a NEMA 12 blower control panel for the new and existing blowers. Each blower control panel shall include a PLC for monitoring, displaying, and protecting the blowers, including a PLC operator interface panel with touchscreen. Blower control panels shall be suitable for wall-mounted installation by the Contractor within the blower electrical building. Each blower control panel shall contain controls for blower motor starting and stopping, surge and overload detection, alarm and emergency shutdown systems, and for the inlet throttling valve. The panel shall be supplied with a disconnect switch on the 120-volt power supply to the panel.

c. Add Paragraph 2.10.Q to state the following:

a. An engraved plastic warning plate shall be securely mounted on the front of each blower panel. The plate must clearly instruct operators to "Open the blow-off valve before starting the blower in manual mode." Plates shall have white letters on a black background.

B. DRAWINGS

1. Drawing M1550 EXISTING RAW WATER METER VAULT – MECHANICAL – BOTTOM PLAN AND SECTION – DEMO & NEW

a. Add the attached new drawing sheet M1550 EXISTING RAW WATER METER VAULT – MECHANICAL – BOTTOM PLAN AND SECTION – DEMO & NEW.

2. Drawing M8001 ADMINISTRATION BUILDING – MECHANICAL – FIRST FLOOR AND CRAWL SPACE PLAN

a. Replace drawing M8001 ADMINISTRATION BUILDING – MECHANICAL – FIRST FLOOR AND CRAWL SPACE PLAN in its entirety with the one attached to this addendum.

3. Drawing MD2 MECHANICAL STANDARD DETAILS – SHEET 2
    a. Replace drawing MD2 MECHANICAL STANDARD DETAILS – SHEET 2 in its entirety with the one attached to this addendum.
4. Drawing MD8 MECHANICAL STANDARD DETAILS – SHEET 8
    a. Replace drawing MD8 MECHANICAL STANDARD DETAILS – SHEET 8 in its entirety with the one attached to this addendum.
5. Drawing MD10 MECHANICAL STANDARD DETAILS – SHEET 10
    a. Replace drawing MD10 MECHANICAL STANDARD DETAILS – SHEET 10 in its entirety with the one attached to this addendum.
6. Drawing S2107 FLOCCULATION AND SEDIMENTATION BASINS – STRUCTURAL – OVERALL PLAN – CONCRETE REPAIR – BASIN 1
    a. Replace drawing S2107 FLOCCULATION AND SEDIMENTATION BASINS – STRUCTURAL – OVERALL PLAN – CONCRETE REPAIR – BASIN 1 in its entirety with the one attached to this addendum.
7. Drawing S2205 FLOCCULATION AND SEDIMENTATION BASINS – OVERALL PLAN – CONCRETE REPAIR – BASIN 2
    a. Replace drawing S2205 FLOCCULATION AND SEDIMENTATION BASINS – OVERALL PLAN – CONCRETE REPAIR – BASIN 2 in its entirety with the one attached to this addendum.
8. Drawing S2306 FLOCCULATION AND SEDIMENTATION BASINS – STRUCTURAL – OVERALL PLAN – CONCRETE REPAIR – BASIN 3

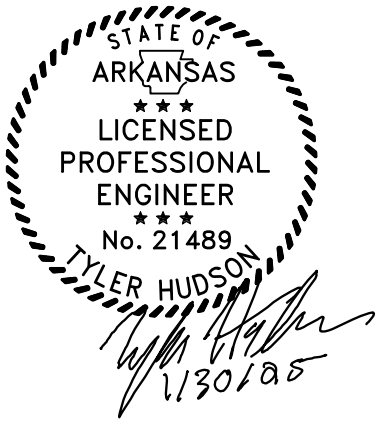
a. Replace drawing S2306 FLOCCULATION AND SEDIMENTATION BASINS – STRUCTURAL – OVERALL PLAN – CONCRETE REPAIR – BASIN 3 in its entirety with the one attached to this addendum.

9. Drawing S2401 FLOCCULATION AND SEDIMENTATION BASINS – STRUCTURAL – OVERALL PLAN – CONCRETE REPAIR – BASIN 4
    a. Replace drawing S2401 FLOCCULATION AND SEDIMENTATION BASINS – STRUCTURAL – OVERALL PLAN – CONCRETE REPAIR – BASIN 4 in its entirety with the one attached to this addendum.
10. Drawing S3306 WASTE PIT – STRUCTURAL – CONCRETE REPAIRS
    a. Add the attached new drawing sheet S3306 WASTE PIT – STRUCTURAL – CONCRETE REPAIRS.

C. ATTACHMENTS

1. Drawing M1550 EXISTING RAW WATER METER VAULT – MECHANICAL – BOTTOM PLAN AND SECTION – DEMO & NEW
2. Drawing M8001 ADMINISTRATION BUILDING – MECHANICAL – FIRST FLOOR AND CRAWL SPACE PLAN
3. Drawing MD2 MECHANICAL STANDARD DETAILS – SHEET 2
4. Drawing MD8 MECHANICAL STANDARD DETAILS – SHEET 8
5. Drawing MD10 MECHANICAL STANDARD DETAILS – SHEET 10
6. Drawing S2107 FLOCCULATION AND SEDIMENTATION BASINS – STRUCTURAL – OVERALL PLAN – CONCRETE REPAIR – BASIN 1
7. Drawing S2205 FLOCCULATION AND SEDIMENTATION BASINS – OVERALL PLAN – CONCRETE REPAIR – BASIN 2

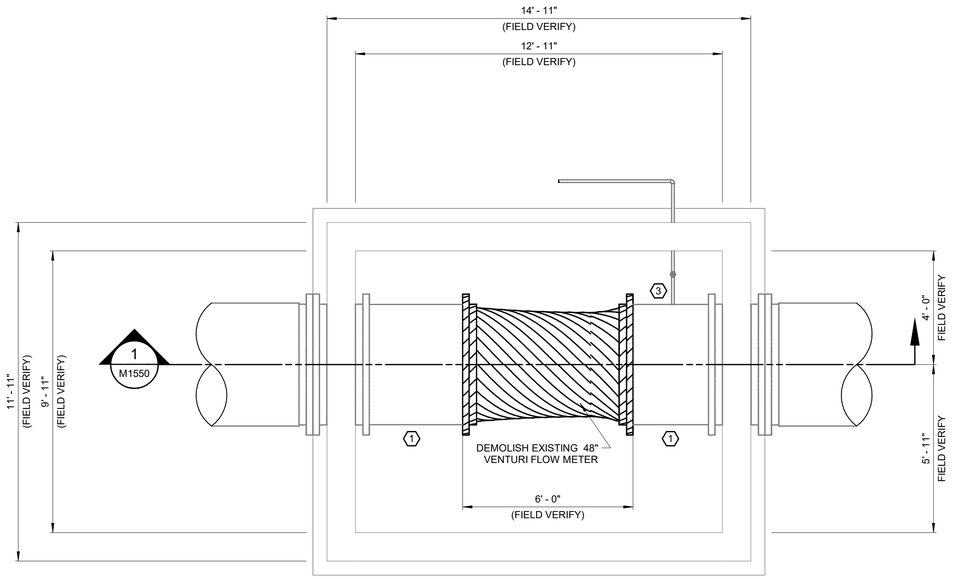
8. Drawing S2306 FLOCCULATION AND SEDIMENTATION BASINS – STRUCTURAL – OVERALL PLAN – CONCRETE REPAIR – BASIN 3
9. Drawing S2401 FLOCCULATION AND SEDIMENTATION BASINS – STRUCTURAL – OVERALL PLAN – CONCRETE REPAIR – BASIN 4
10. Drawing S3306 – WASTE PIT – STRUCTURAL – CONCRETE REPAIRS
11. Bidder Questions and Responses



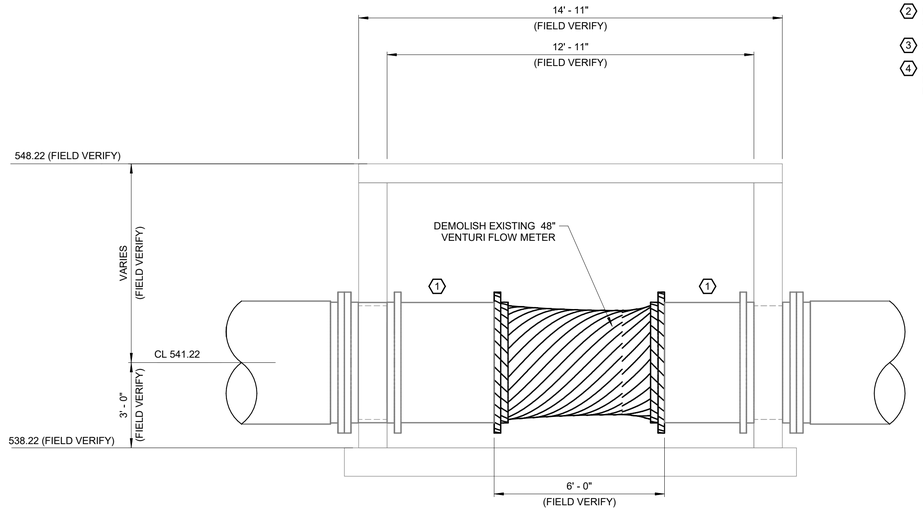
HAZEN AND SAWYER

KEYED NOTES:

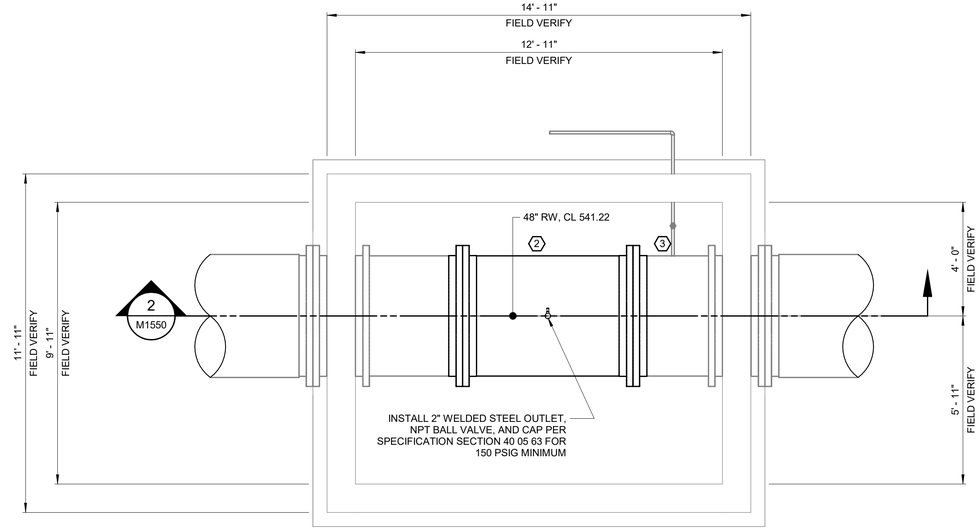
1. 48" DIP FL X MJ SPOOL. PERFORM SURFACE PREPERATION AND COATING OF THE EXISTING SPOOL PER SPECIFICATION 09 90 00. PROVIDE NEW MJ AND FLANGE GASKETS PER SPECIFICATION 33 11 13.
2. REPLACE VENTURI FLOW METER WITH 48" DIP FL X FL SPOOL. LENGTH SHOWN IS APPROXIMATE. FIELD MEASURE TO VERIFY.
3. SAMPLE LINE CONNECTION TO REMAIN.
4. DEMO EXISTING FLOW METER INSTRUMENTATION. SALVAGE FLOW ELEMENT TO OWNER. TERMINATE ELECTRICAL AT EXISTING JUNCTION BOX.



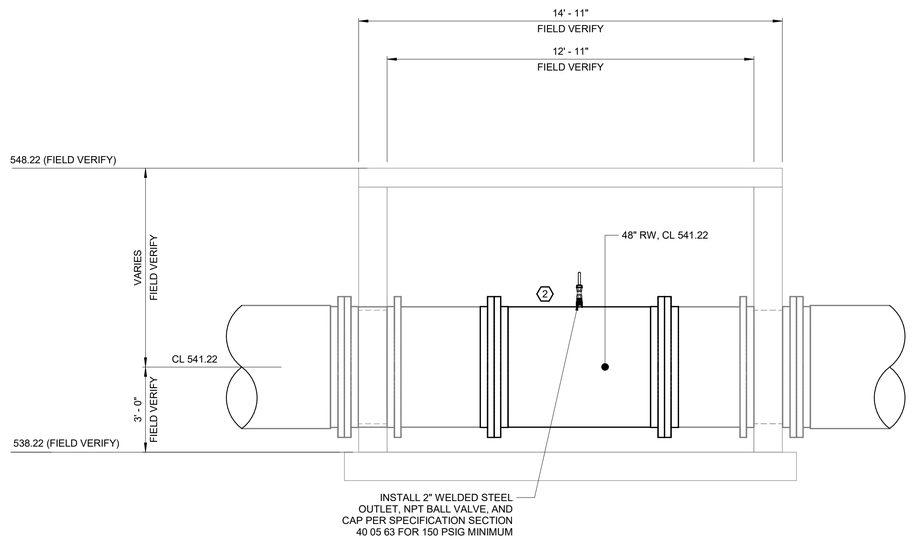
BOTTOM PLAN - DEMO
3/8" = 1'-0"



SECTION 1 / M1550
3/8" = 1'-0"



BOTTOM PLAN - NEW
3/8" = 1'-0"



SECTION 2 / M1550
3/8" = 1'-0"

GMP SUBMITTAL. DO NOT USE FOR CONSTRUCTION.

REV	ISSUED FOR	DATE	BY
1	ADDENDUM 5	1-30-25	AMB

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE (0 — 1/2" — 1")

PROJECT MANAGER:	T. HUDSON
DESIGNED BY:	A. BENZING
DRAWN BY:	C. SELMAN
PROJECT ENGINEER:	A. BENZING

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
Aaron Benzing
No. 12484
1/30/2025
AARON M. BENZING

Hazen
HAZEN AND SAWYER
8150 N. CENTRAL EXPRESSWAY
TOWER II - SUITE 700
DALLAS, TEXAS 75206

CENTRAL ARKANSAS WATER
LITTLE ROCK, ARKANSAS

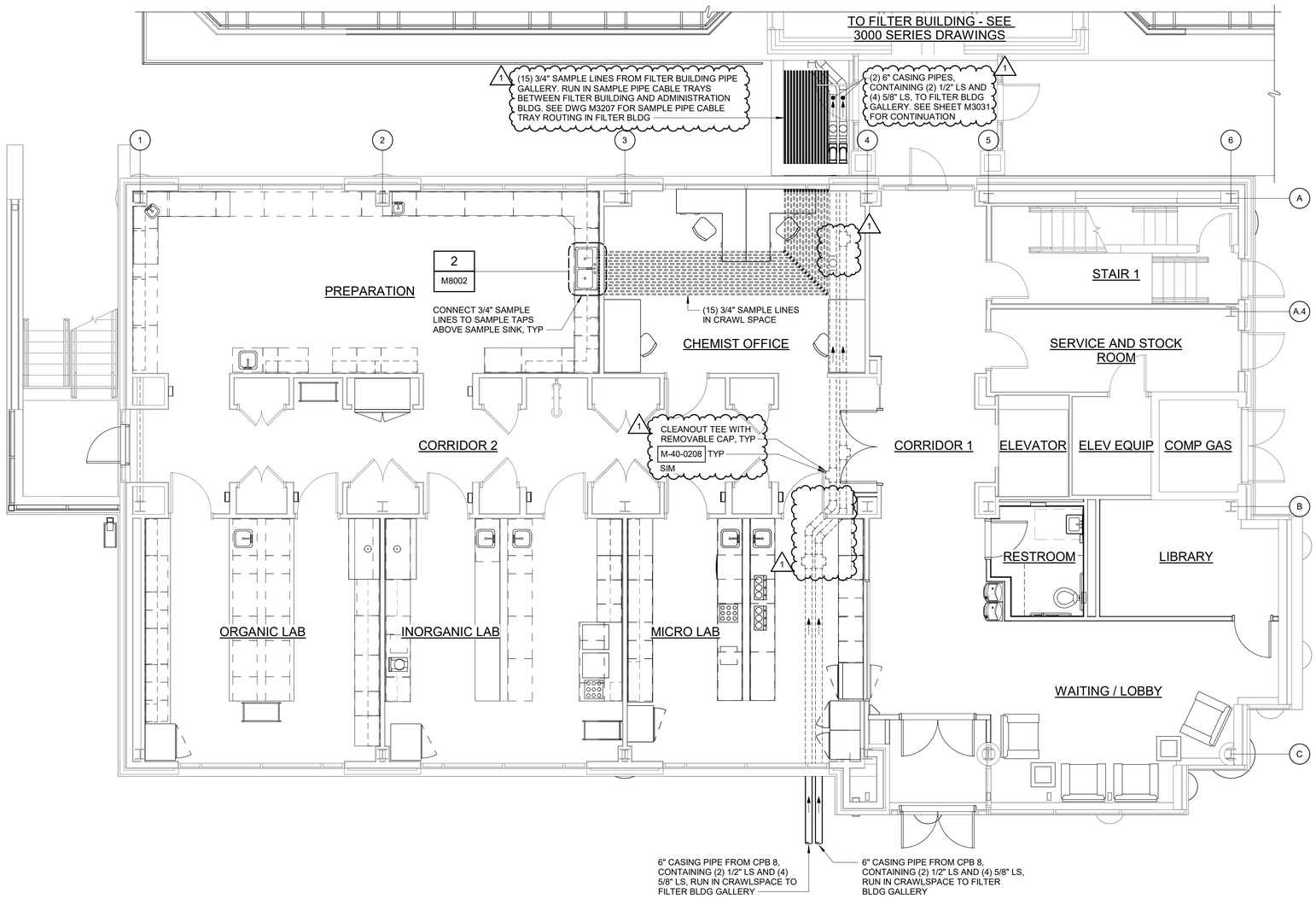
JACK H. WILSON WTP RENEWAL
AND RESILIENCY PROJECT

EXISTING RAW WATER METER VAULT
MECHANICAL
BOTTOM PLAN AND SECTION - DEMO & NEW

DATE:	NOVEMBER 2024
HAZEN NO.:	60711-003
CONTRACT NO.:	1
DRAWING NUMBER:	1 M1550

NOTES:

1. ALL SAMPLE PIPING RUN FROM GALLERY TO LAB SAMPLE SINK SHALL BE PEX PIPING.



FIRST FLOOR AND CRAWL SPACE PLAN

3/16" = 1'-0"

GMP SUBMITTAL. DO NOT USE FOR CONSTRUCTION.

REV	ISSUED FOR	DATE	BY
1	ADDENDUM 5	01-30-25	TEH

PROJECT MANAGER:	T. HUDSON
DESIGNED BY:	E. VOSBURGH / H. DUBAN
DRAWN BY:	J. LUTHMAN II
PROJECT ENGINEER:	T. HUDSON

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

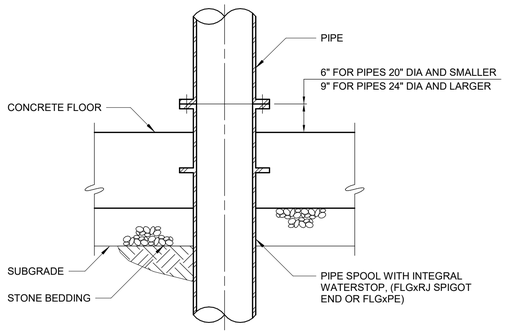
Hazen
HAZEN AND SAWYER
8150 N. CENTRAL EXPRESSWAY
TOWER II - SUITE 700
DALLAS, TEXAS 75206

CENTRAL ARKANSAS WATER
LITTLE ROCK, ARKANSAS

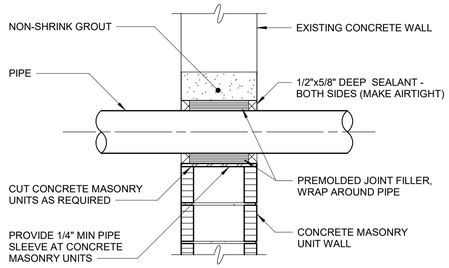
JACK H. WILSON WTP RENEWAL AND RESILIENCY PROJECT

ADMINISTRATION BUILDING
MECHANICAL
FIRST FLOOR AND CRAWL SPACE PLAN

DATE:	NOVEMBER 2024
HAZEN NO.:	60711-003
CONTRACT NO.:	1
DRAWING NUMBER:	M8001

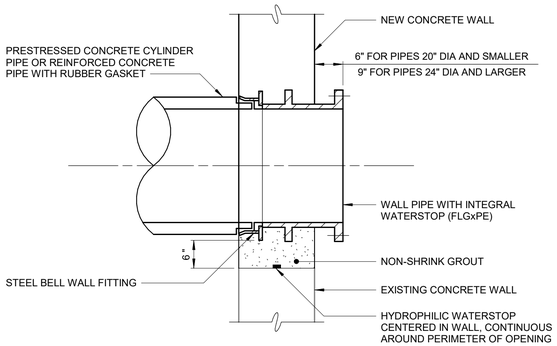


M-40-0113

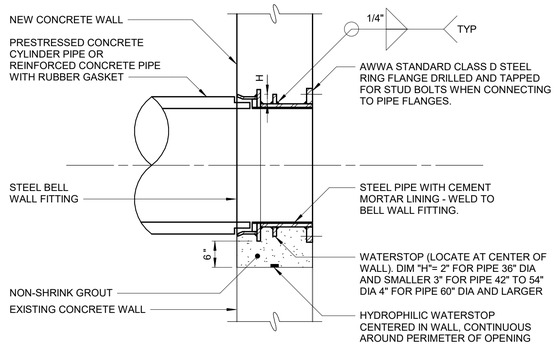


CAULKED WALL PENETRATION

M-40-0114



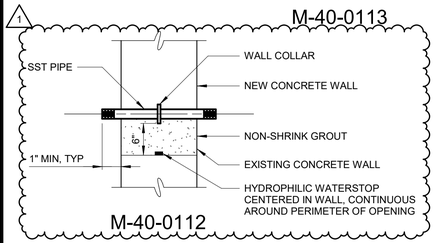
M-40-0200



M-40-0201

NOTES:

1. ALL WALL PIPES SHALL BE CAST UNLESS OTHERWISE NOTED.
2. PROVIDE PIPE JOINT WITHIN TWO (2) FEET OF EXTERIOR FACE OF WALL AT CONNECTION TO ALL NEW AND EXISTING STRUCTURES OR MANHOLES.
3. ALL NEW OPENINGS IN EXISTING CONCRETE WALLS AND SLABS SHALL BE SAWCUT OR CORE DRILLED. USE OF JACKHAMMERS OR STITCH DRILLING SHALL NOT BE PERMITTED. ANNULAR SURFACE SHALL BE SMOOTH. ANNULAR SURFACE SHALL BE ROUGHENED BY APPROVED METHODS WHEN INSTALLATION OF NONSHRINK GROUT IS REQUIRED AT EXISTING CONCRETE WALLS.



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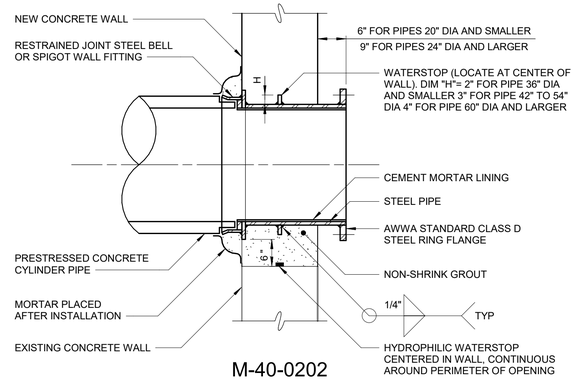

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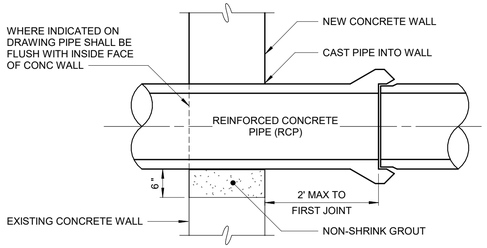
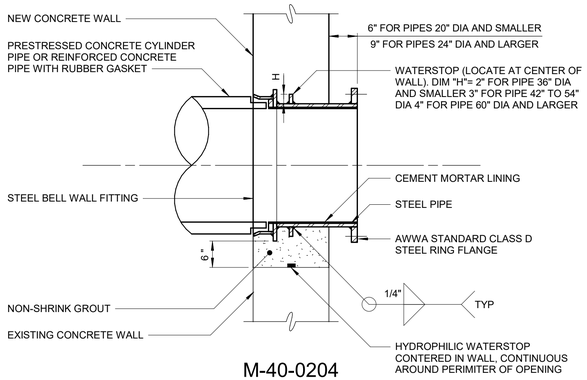


REINFORCED CONCRETE PIPE WALL PENETRATION

M-40-0203



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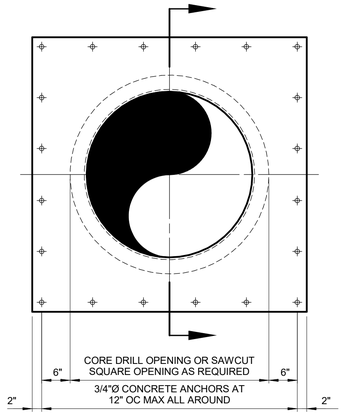
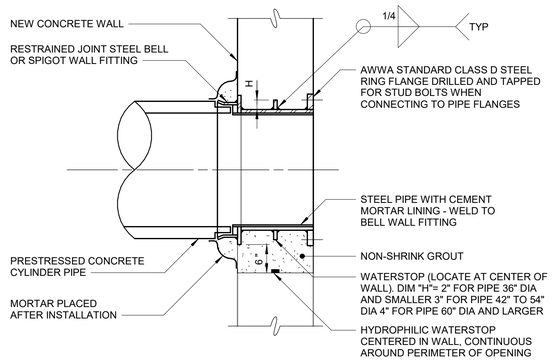
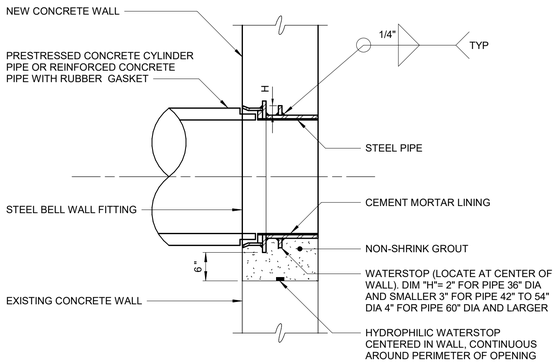


ELEVATION



M-40-0205



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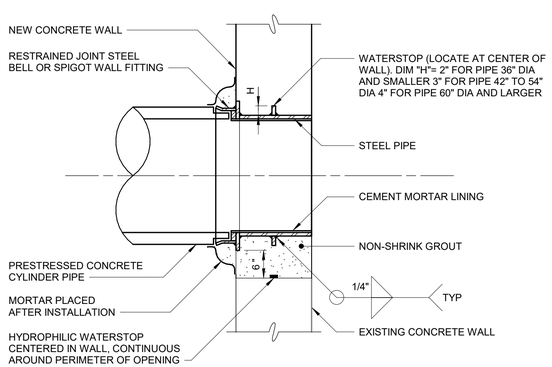

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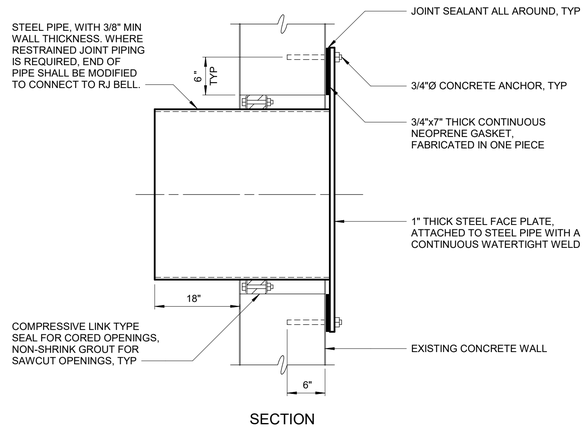


SECTION

M-40-0115

GMP SUBMITTAL. DO NOT USE FOR CONSTRUCTION.

REV	ISSUED FOR	DATE	BY
1	ADDENDUM 5	01-30-25	TRH

PROJECT MANAGER:	T. HUDSON
DESIGNED BY:	H&S
DRAWN BY:	H&S
PROJECT ENGINEER:	T. HUDSON

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

Hazen

HAZEN AND SAWYER
8150 N. CENTRAL EXPRESSWAY
TOWER II - SUITE 700
DALLAS, TEXAS 75206

CENTRAL ARKANSAS WATER
LITTLE ROCK, ARKANSAS

JACK H. WILSON WTP RENEWAL AND RESILIENCY PROJECT

MECHANICAL STANDARD DETAILS SHEET 2

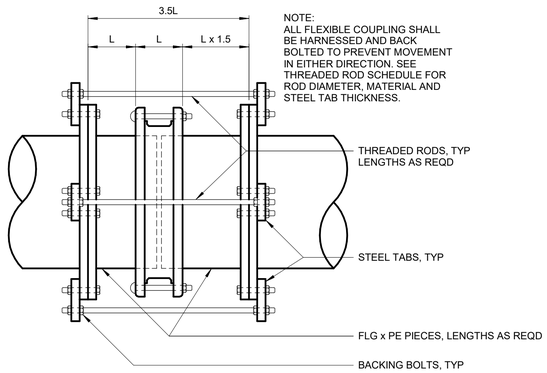
DATE:	NOVEMBER 2024
HAZEN NO.:	60711-003
CONTRACT NO.:	1
DRAWING NUMBER:	MD2

THREADED ROD SCHEDULE

PIPE SIZE	REQUIRED TIE QUANTITY FOR DESIGN PRESSURE					THREADED ROD SIZE, INCHES	TAB THICKNESS, INCHES
	50 PSI	100 PSI	150 PSI	200 PSI	250 PSI		
3	2	2	2	2	2	5/8	1/2
4	2	2	2	2	2	5/8	1/2
6	2	2	2	2	2	5/8	3/4
8	2	2	2	3	3	5/8	3/4
10	2	2	2	3	3	3/4	1
12	2	2	2	3	3	7/8	1
14	2	2	2	3	3	1	1
16	2	2	2	3	4	1	1
18	2	2	3	4	5	1	1
20	2	3	4	5	6	1	1
24	2	3	5	6	9	1	1
30	2	3	5	6	9	1 1/4	1 1/4
36	3	5	7	9	12	1 1/4	1 1/4
42	3	6	9	12	16	1 1/4	1 1/4
48	3	6	8	11	15	1 1/2	1 3/4
54	4	7	10	14	18	1 1/2	1 3/4
60	5	9	13	17	23	1 1/2	1 3/4
64/66	4	8	11	15	20	1 3/4	2
72	5	9	13	18	24	1 3/4	2

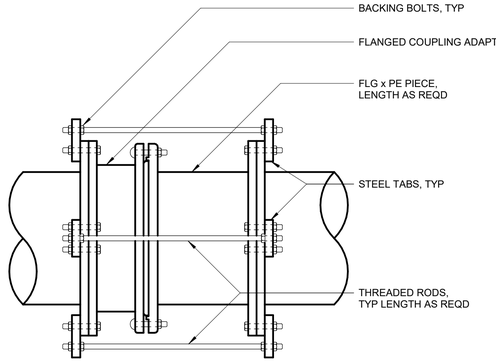
1. THREADED RODS FOR ALL PIPE DIAMETERS SHALL BE ASTM A193 (GRADE B7).
2. ALL TABS SHALL BE ASTM A36 STEEL.
3. ASTM A193 (GRADE B7) RODS SHALL BE LABELED AND BUNDLED SEPARATELY.
4. THIS SCHEDULE SHALL APPLY FOR HARNESSED FLANGED ADAPTERS, HARNESSED FLEXIBLE COUPLINGS AND ALL MECHANICAL JOINT COUPLINGS, SLEEVES ETC. THAT ARE REQUIRED TO BE HARNESSED.
5. RODS THREADED AT ENDS (INCLUDING NUTS) SHALL BE EQUALLY SPACED AROUND PIPE BETWEEN ALL MECHANICAL JOINT FITTINGS (TEE, VALVES, BEND, PLUG, ETC.) OR AS OTHERWISE SHOWN ON THE CONTRACT DRAWINGS. THREADED RODS SHALL BE AS SHOWN IN THE THREADED ROD SCHEDULE. SEE NOTE 6.
6. RODS, NUTS, ETC., IN CONTACT WITH SOIL SHALL BE PAINTED WITH TWO COATS COAL TAR (MIN 26 DRY MIL THICKNESS) TNEMEC 46-465 HI-BUILD OR EQUAL.

M-40-0780



HARNESSED SLEEVE TYPE COUPLING

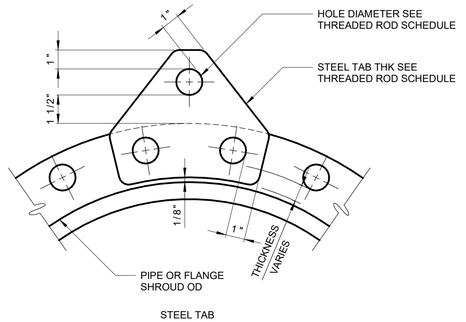
M-40-0701



NOTE:
ALL FLANGED COUPLING ADAPTERS SHALL BE HARNESSED AND BACK BOLTED TO PREVENT MOVEMENT IN EITHER DIRECTION. SEE THREADED ROD SCHEDULE FOR ROD DIAMETER, MATERIAL AND STEEL TAB THICKNESS.

HARNESSED FLANGED COUPLING ADAPTER

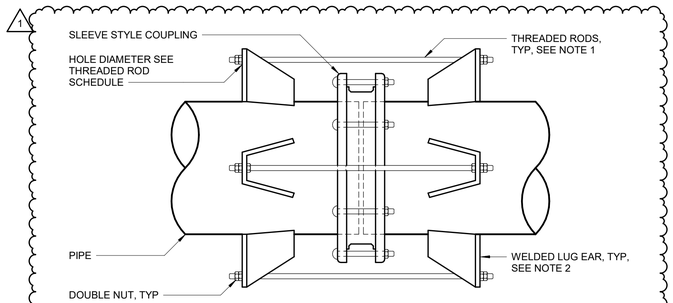
M-40-0702



STEEL TAB

M-40-0703

1

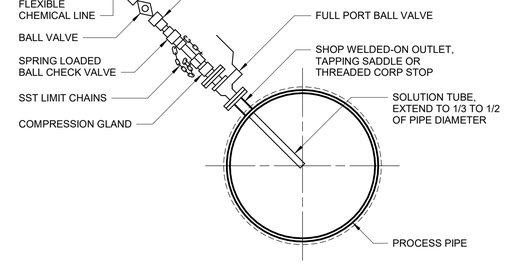


NOTES:
1. SEE THREADED ROD SCHEDULE FOR ROD DIAMETER, MATERIAL AND STEEL TAB THICKNESS. ROD LENGTHS AS REQUIRED.
2. LUG EAR THICKNESS SHALL BE SIMILAR TO TAB THICKNESS IN ROD SCHEDULE.
3. ALL FLEXIBLE COUPLINGS SHALL BE HARNESSED AND BACK BOLTED TO PREVENT MOVEMENT IN EITHER DIRECTION.

HARNESSED SLEEVE TYPE COUPLING

M-40-0701R

1



NOTES:

1. CHEMICAL INJECTION QUILL SHALL BE INSTALLED IN INTERIOR SPACES OR IN A MANHOLE BUILT AROUND THE PROCESS PIPE. ORIENTATION WILL VARY TO SUIT THE INSTALLATION, TAKING INTO ACCOUNT CHEMICAL CONSIDERATIONS AND REQUIRED CLEARANCE FOR RETRACTION AND INSERTION.
2. ALL WETTED COMPONENTS OF INJECTION QUILL SHALL BE COMPLETELY RESISTANT TO CORROSION BY THE SPECIFIED CHEMICAL.
3. CHEMICAL INJECTION QUILL SHALL BE PROVIDED AS SPECIFIED IN SPECIFICATION SECTION 46 41 42.

CHEMICAL INJECTION QUILL

M-46-0100

GMP SUBMITTAL. DO NOT USE FOR CONSTRUCTION.

REV	ISSUED FOR	DATE	BY
1	ADDENDUM 5	01-30-25	TRH

PROJECT MANAGER:	T. HUDSON
DESIGNED BY:	H&S
DRAWN BY:	H&S
PROJECT ENGINEER:	T. HUDSON

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE (0, 1/2", 1")

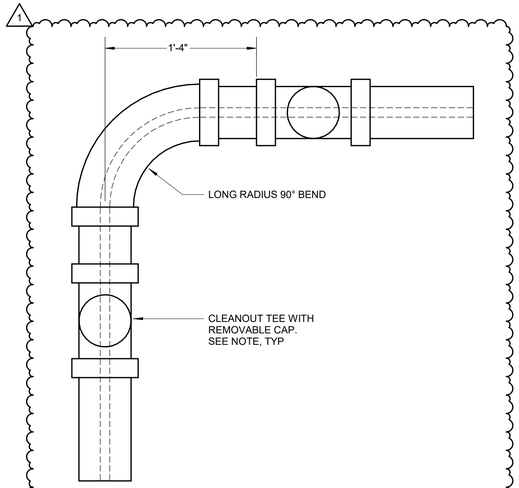
Hazen
HAZEN AND SAWYER
8150 N. CENTRAL EXPRESSWAY
TOWER II - SUITE 700
DALLAS, TEXAS 75206

CENTRAL ARKANSAS WATER
LITTLE ROCK, ARKANSAS

JACK H. WILSON WTP RENEWAL AND RESILIENCY PROJECT

MECHANICAL STANDARD DETAILS
SHEET 8

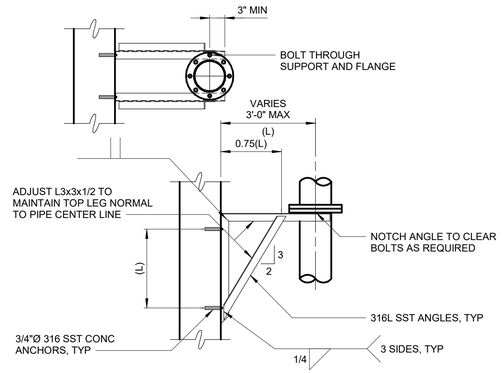
DATE:	NOVEMBER 2024
HAZEN NO.:	60711-003
CONTRACT NO.:	1
DRAWING NUMBER:	MD8



LONG RADIUS PVC TEE WITH CLEANOUT TEE

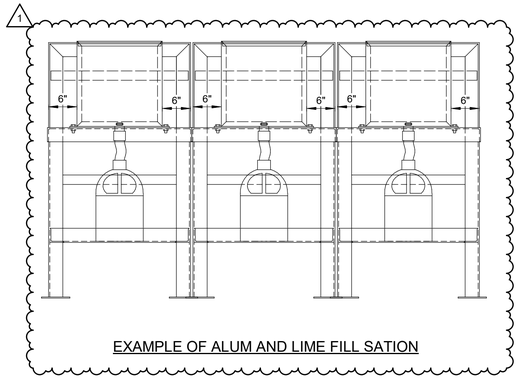
NOTE: CONTRACTOR TO FIELD ROTATE CLEANOUT TEE'S, UPON INITIAL INSTALLATION OR AS REPAIR DURING TUBING INSTALLATION, AS NECESSARY TO MAXIMIZE EFFICIENCY OF CARRIER TUBE INSTALLATION AND ACCESS.

M-40-0208

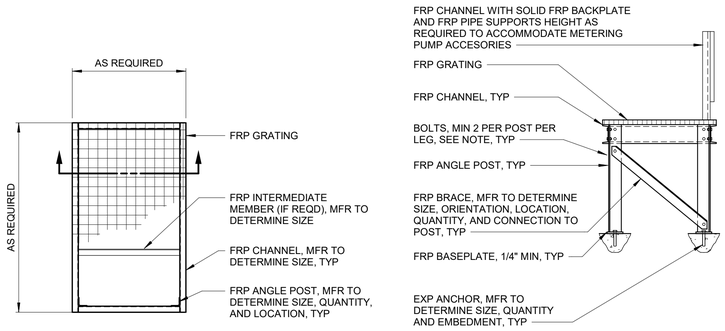


FLANGE TYPE SUPPORT

M-40-0311



EXAMPLE OF ALUM AND LIME FILL SATION

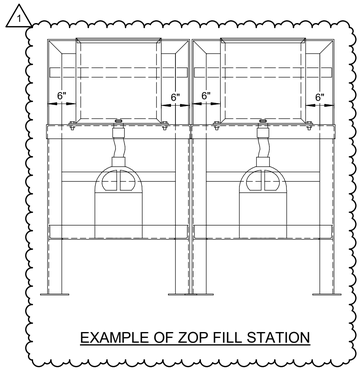


PLAN SECTION

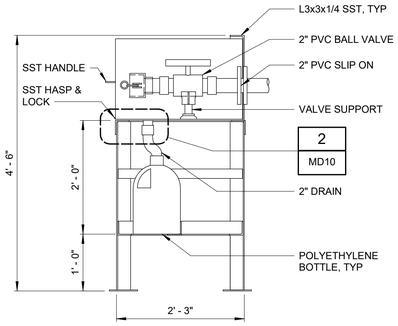
NOTE:
SEE SPECIFICATION SECTION 06 70 00 FIBERGLASS REINFORCED PLASTIC FABRICATIONS, FOR REQUIREMENTS OF FRP GRATING, STRUCTURAL SHAPES, AND BOLTED CONNECTIONS.

FRP TABLE

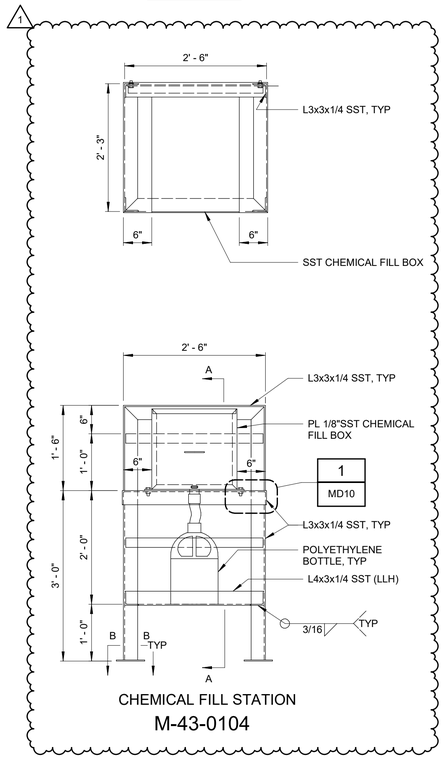
M-43-0105



EXAMPLE OF ZOP FILL STATION



SECTION A-A

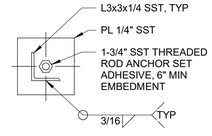


CHEMICAL FILL STATION

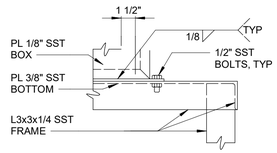
M-43-0104

NOTES:

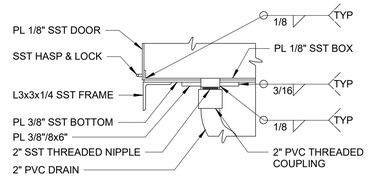
1. EACH STORAGE TANK FILL LINE SHALL BE PROVIDED WITH A QUICK CONNECT COUPLING. THE DRY QUICK CONNECTIONS SHALL BE PROVIDED BETWEEN THE DELIVERY VEHICLE AND THE CHEMICAL STORAGE TANKS AS SHOWN ON THE DRAWINGS. THE DRY QUICK CONNECTIONS SHALL BE RESISTANT TO THE CORROSION BY THE SPECIFIED CHEMICALS AND SHALL BE PROVIDED WITH FITTINGS, QUICK CONNECT COUPLINGS SHALL BE AS SPECIFIED IN SECTION 46 05 00. THE CONTRACTOR SHALL FURNISH AND INSTALL A SIGN AT EACH CHEMICAL FILL STATION TO IDENTIFY THE CHEMICAL FILLED.
2. CONTRACTOR SHALL COORDINATE WITH THE OWNER ON SIGNAGE STYLE, TYPE, AND WORKING.
3. ALL JOINTS OF CHEMICAL FILL BOX TO BE SEAL WELDED WITH A MIN OF 1/8" FILLET WELD.



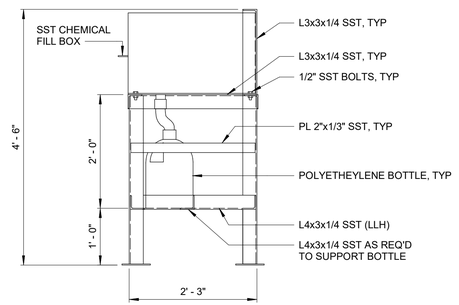
SECTION B-B



DETAIL 1 — 1 1/2" = 1'-0" — MD10



DETAIL 2 — 1 1/2" = 1'-0" — MD10



GMP SUBMITTAL. DO NOT USE FOR CONSTRUCTION.

REV	ISSUED FOR	DATE	BY
1	ADDENDUM 5	01-30-25	TRH

PROJECT MANAGER:	T. HUDSON
DESIGNED BY:	H&S
DRAWN BY:	H&S
PROJECT ENGINEER:	T. HUDSON

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE — 0 1/2" 1"

Hazen

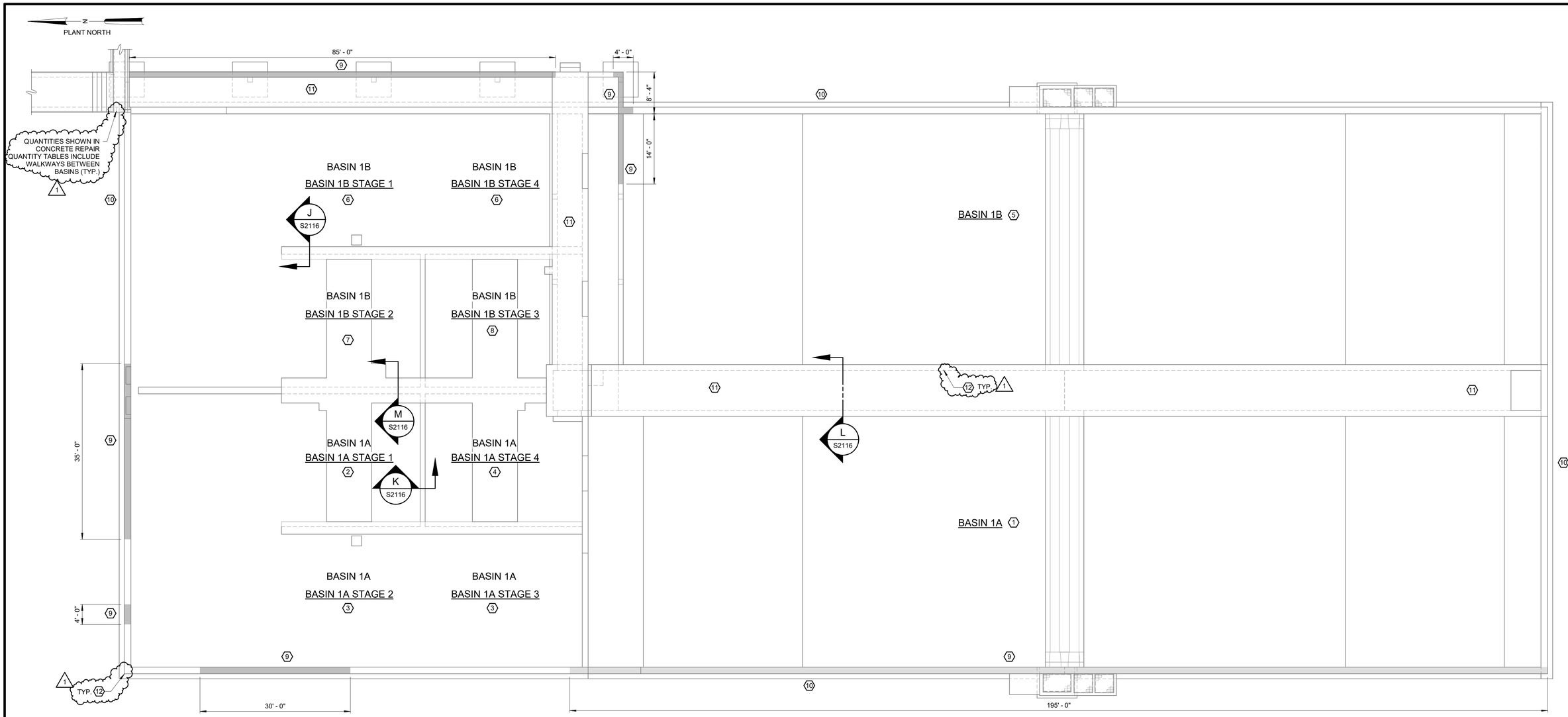
HAZEN AND SAWYER
8150 N. CENTRAL EXPRESSWAY
TOWER II - SUITE 700
DALLAS, TEXAS 75206

CENTRAL ARKANSAS WATER
LITTLE ROCK, ARKANSAS

JACK H. WILSON WTP RENEWAL
AND RESILIENCY PROJECT

MECHANICAL STANDARD DETAILS
SHEET 10

DATE:	NOVEMBER 2024
HAZEN NO.:	60711-003
CONTRACT NO.:	1
DRAWING NUMBER:	MD10



OVERALL PLAN - CONCRETE REPAIR - BASIN 1

1" = 10'-0"

BASIN 1 CONCRETE REPAIR QUANTITY TABLE

DESCRIPTION	QUANTITY	UNIT	STAND'D DWG
REPAIR TOP OF WALL	375	LF	S-03-901
REPAIR HANDRAIL PENETRATION (4" CORE)	45	EA	S-03-903
REPAIR HANDRAIL PENETRATION (12"x12"x24")	14	EA	S-03-902
INSTALL MASTER PROTECT HB 400 OR TNEMEC ENVIRO-CRETE SERIES 157	2350	VSF	S-03-1102
INSTALL CEMETITOUS COATING INSIDE SETTLED WATER CHANNEL	16200	VSF	S-03-1101
REPAIR CRACK INSIDE SETTLED WATER CHANNEL	1000	LF	S-03-1002
PARTIAL DEPTH REPAIR INSIDE SETTLED WATER CHANNEL	180	VSF	S-03-1001
EXTEND EXPANSION JOINT THROUGH PROPOSED COATING INSIDE SETTLED WATER CHANNEL	340	LF	S-03-1003
FURNISH AND INSTALL HANDRAIL	2592	LF	S-05-203 S-05-204

NOTES:

1. HANDRAIL PENETRATION REPAIR QUANTITIES INCLUDE EXTERIOR BASIN HANDRAIL, BASIN INTERIOR WALKWAY HANDRAIL, AND WALKWAYS NORTH OF THE BASINS. HANDRAIL PENETRATIONS WHERE TOP OF WALL REPAIRS ARE SPECIFIED ARE NOT INCLUDED IN THE QUANTITIES. S-03-902 S-03-903
2. THE TOP OF WALL REPAIR LOCATIONS ARE SHOWN FOR REFERENCE. THE REPAIR LIMITS WILL BE MARKED IN THE FIELD DURING CONSTRUCTION.
3. THE SETTLED WATER CHANNELS WERE NOT ACCESSED DURING DESIGN, THEREFORE THE QUANTITIES ESTIMATED FOR CRACK REPAIR, PARTIAL DEPTH REPAIR, AND EXTENDING EXPANSION/CONTROL JOINT THROUGH PROPOSED COATING IS BASED ON AN ASSUMED QUANTITY. THE ASSUMED QUANTITY IS PROPORTIONAL TO THE CONCRETE REHABILITATION QUANTITIES IN THE FLOCCULATION/SEDIMENTATION BASIN IN WHICH THEY ARE LOCATED.
4. QUANTITIES FOR NEW HANDRAIL INSTALL EXCLUDES THE RAPID MIX STRUCTURE, SEE 2200 SERIES OF SHEETS FOR HANDRAIL INSTALL ON RAPID MIX STRUCTURE.

KEYED NOTES:

1. SEE SHEEET S2108 FOR BASIN 1A ELEVATION VIEWS
2. SEE SHEET S2109 FOR BASIN 1A FLOCCULATION STAGE 1 ELEVATION VIEWS
3. SEE SHEET S2110 FOR BASIN 1A FLOCCULATION STAGE 2 AND 3 ELEVATION VIEWS
4. SEE SHEET S2111 FOR BASIN 1A FLOCCULATION STAGE 4 ELEVATION VIEWS
5. SEE SHEET S2112 FOR BASIN 1B ELEVATION VIEWS
6. SEE SHEET S2113 FOR BASIN 1B FLOCCULATION STATE 1 AND 4 ELEVATION VIEWS
7. SEE SHEET S2114 FOR BASIN 1B FLOCCULATION STAGE 2 ELEVATION VIEWS
8. SEE SHEET S2115 FOR BASIN 1B FLOCCULATION STAGE 3 ELEVATION VIEWS
9. REPAIR TOP OF WALL S-03-901
10. INSTALL PERIMETER WALL COATING S-03-1102
11. INSTALL CEMETITIONS COATING ON INTERIOR OF SETTLED WATER CHANNEL, SEE NOTE 3. S-03-1001
12. FURNISH AND INSTALL HANDRAIL. S-05-203 S-05-204

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HAWKINS WEIR ENGINEERS, INC. Engineering Client Success

REV	ISSUED FOR	DATE	BY
1	ADDENDUM 5	1-30-25	WJL

PROJECT MANAGER:	T. HUDSON
DESIGNED BY:	W. LEMONIER
DRAWN BY:	A. FITTIN
PROJECT ENGINEER:	B. PETERS

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

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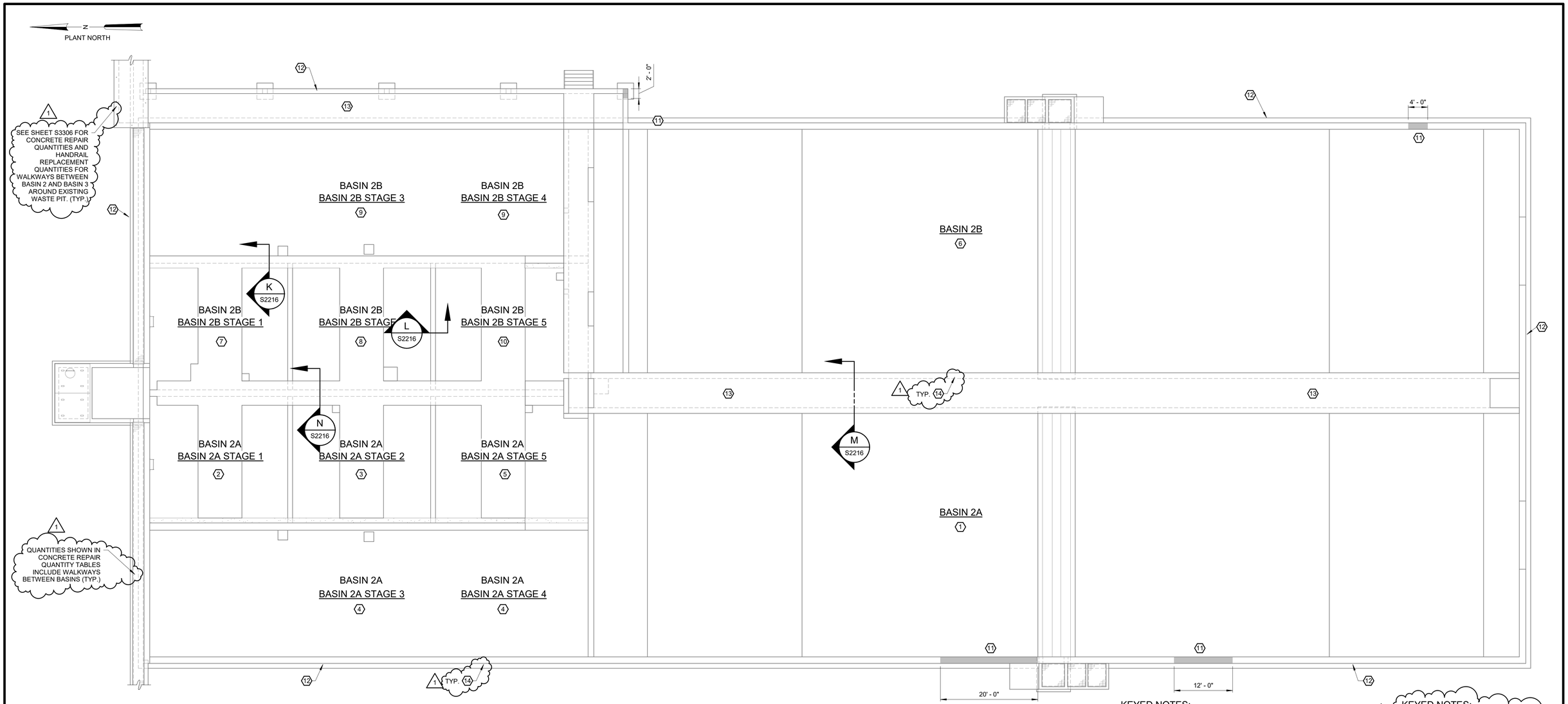
LITTLE ROCK, ARKANSAS

JACK H. WILSON WTP RENEWAL AND RESILIENCY PROJECT

FLOCCULATION AND SEDIMENTATION BASINS STRUCTURAL
OVERALL PLAN - CONCRETE REPAIR - BASIN 1

DATE:	NOVEMBER 2024
HAZEN NO.:	60711-003
CONTRACT NO.:	1
DRAWING NUMBER:	S2107



BASIN 2 CONCRETE REPAIR QUANTITY TABLE			
DESCRIPTION	QUANTITY	UNIT	STAND'D DWG
REPAIR TOP OF WALL	38	LF	S-03-901
REPAIR HANDRAIL PENETRATION (4" CORE)	118	EA	S-03-903
REPAIR HANDRAIL PENETRATION (12"x12"x24")	41	EA	S-03-902
INSTALL MASTER PROTECT HB 400 OR TNEMEC ENVIRO-CRETE SERIES 157	2700	VSF	S-03-1102
INSTALL CEMETITOUS COATING INSIDE SETTLED WATER CHANNEL	15200	VSF	S-03-1101
REPAIR CRACK INSIDE SETTLED WATER CHANNEL	500	LF	S-03-1002
PARTIAL DEPTH REPAIR INSIDE SETTLED WATER CHANNEL	200	VSF	S-03-1001
EXTEND EXPANSION JOINT THROUGH PROPOSED COATING INSIDE SETTLED WATER CHANNEL	320	LF	S-03-1003
1 FURNISH AND INSTALL ADA COMPLIANT HANDRAIL	2410	LF	S-05-203 S-05-204

OVERALL PLAN - CONCRETE REPAIR - BASIN 2

1" = 10'-0"

NOTES:

1. HANDRAIL PENETRATION REPAIR QUANTITIES INCLUDE EXTERIOR BASIN HANDRAIL, BASIN INTERIOR WALKWAY HANDRAIL, AND WALKWAYS NORTH OF THE BASINS. HANDRAIL PENETRATIONS WHERE TOP OF WALL REPAIRS ARE SPECIFIED ARE NOT INCLUDED IN THE QUANTITIES. S-03-902 S-03-903
2. THE TOP OF WALL REPAIR LOCATIONS ARE SHOWN FOR REFERENCE. THE REPAIR LIMITS WILL BE MARKED IN THE FIELD DURING CONSTRUCTION.
3. THE SETTLED WATER CHANNELS WERE NOT ACCESSED DURING DESIGN, THEREFORE THE QUANTITIES ESTIMATED FOR CRACK REPAIR, PARTIAL DEPTH REPAIR, AND EXTENDING EXPANSION/CONTROL JOINT THROUGH PROPOSED COATING IS BASED ON AN ASSUMED QUANNTITY. THE ASSUMED QUANTITY IS PROPORTIONAL TO THE CONCRETE REHABILITATION QUANTITIES IN THE FLOCCULATION/SEDIMENTATION BASIN IN WHICH THEY ARE LOCATED.
4. ALL HANDRAILS FOR BASIN 2 SHALL BE ADA COMPLIANT. (1)

KEYED NOTES:

1. (1) SEE SHEET S2207 FOR BASIN 2A ELEVATION VIEWS
2. (2) SEE SHEET S2208 FOR BASIN 2A FLOCCULATION STAGE 1 ELEVATION VIEWS
3. (3) SEE SHEET S2209 FOR BASIN 2A FLOCCULATION STAGE 2 ELEVATION VIEWS
4. (4) SEE SHEET S2210 FOR BASIN 2A FLOCCULATION STAGE 3 AND 4 ELEVATION VIEWS
5. (5) SEE SHEET S2211 FOR BASIN 2A FLOCCULATION STAGE 5 ELEVATION VIEWS
6. (6) SEE SHEET S2212 FOR BASIN 2B ELEVATION VIEWS
7. (7) SEE SHEET S2213 FOR BASIN 2B FLOCCULATION STAGE 1 ELEVATION VIEWS
8. (8) SEE SHEET S2214 FOR BASIN 2B FLOCCULATION STAGE 2 ELEVATION VIEWS
9. (9) SEE SHEET S2215 FOR BASIN 2B FLOCCULATION STAGE 3 AND 4 ELEVATION VIEWS
10. (10) SEE SHEET S2216 FOR BASIN 2B FLOCCULATION STAGE 5 ELEVATION VIEWS
11. (11) REPAIR TOP OF WALL S-03-901
12. (12) INSTALL PERIMETER WALL COATING S-03-1102
13. (13) INSTALL CEMENTITIONS COATING ON INTERIOR OF SETTLED WATER CHANNEL, SEE NOTE 3.

1 KEYED NOTES:
(14) FURNISH AND INSTALL ADA COMPLIANT HANDRAIL S-05-203 S-03-204

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HAWKINS WEIR ENGINEERS, INC. Engineering Client Success

REV	ISSUED FOR	DATE	BY
1	ADDENDUM 5	1-30-25	WJL

PROJECT MANAGER:	T. HUDSON
DESIGNED BY:	W. LEMONIER
DRAWN BY:	A. FITTIN
PROJECT ENGINEER:	B. PETERS

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

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DALLAS, TEXAS 75206

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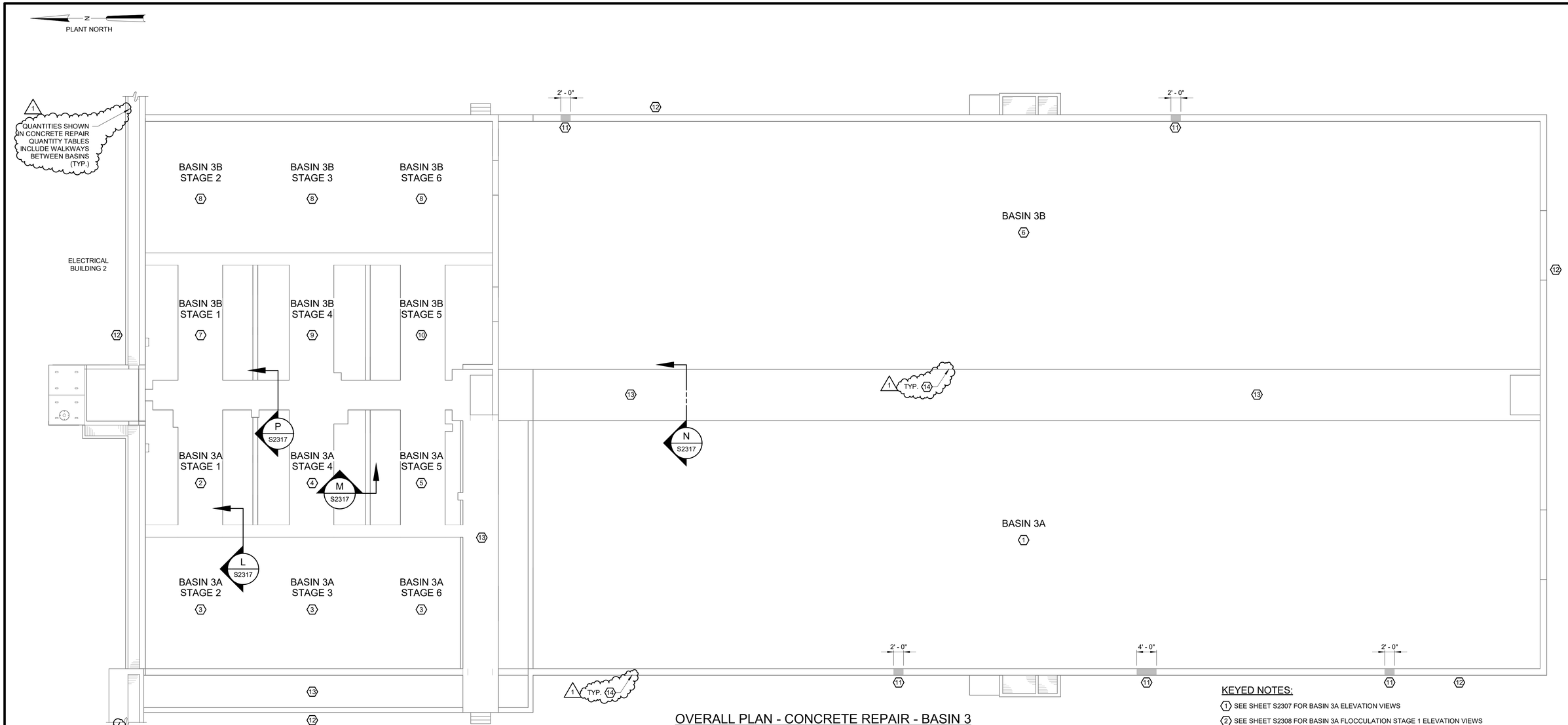
LITTLE ROCK, ARKANSAS

JACK H. WILSON WTP RENEWAL AND RESILIENCY PROJECT

FLOCCULATION AND SEDIMENTATION BASINS
OVERALL PLAN - CONCRETE REPAIR - BASIN 2

DATE: NOVEMBER 2024
HAZEN NO.: 60711-003
CONTRACT NO.: 1
DRAWING NUMBER: S2205



OVERALL PLAN - CONCRETE REPAIR - BASIN 3

1" = 10'-0"

BASIN 3 CONCRETE REPAIR QUANTITY TABLE

DESCRIPTION	QUANTITY	UNIT	STAND'D DWG
REPAIR TOP OF WALL	12	LF	S-03-901
REPAIR HANDRAIL PENETRATION (4" CORE)	175	EA	S-03-903
REPAIR HANDRAIL PENETRATION (12"x12"x24")	28	EA	S-03-902
INSTALL MASTER PROTECT HB 400 OR TNEMEC ENVIRO-CRETE SERIES 157	2650	VSF	S-03-1102
INSTALL CEMETITOUS COATING INSIDE SETTLED WATER CHANNEL	17000	VSF	S-03-1101
REPAIR CRACK INSIDE SETTLED WATER CHANNEL	180	LF	S-03-1002
PARTIAL DEPTH REPAIR INSIDE SETTLED WATER CHANNEL	100	VSF	S-03-1001
EXTEND EXPANSION JOINT THROUGH PROPOSED COATING INSIDE SETTLED WATER CHANNEL	360	LF	S-03-1003
FURNISH AND INSTALL HANDRAIL	2425	LF	S-05-203 S-05-204

NOTES:

1. HANDRAIL PENETRATION REPAIR QUANTITIES INCLUDE EXTERIOR BASIN HANDRAIL, BASIN INTERIOR WALKWAY HANDRAIL, AND WALKWAYS NORTH OF THE BASINS. HANDRAIL PENETRATIONS WHERE TOP OF WALL REPAIRS ARE SPECIFIED ARE NOT INCLUDED IN THE QUANTITIES. S-03-902 S-03-903
2. THE TOP OF WALL REPAIR LOCATIONS ARE SHOWN FOR REFERENCE. THE REPAIR LIMITS WILL BE MARKED IN THE FIELD DURING CONSTRUCTION.
3. THE SETTLED WATER CHANNELS WERE NOT ACCESSED DURING DESIGN, THEREFORE THE QUANTITIES ESTIMATED FOR CRACK REPAIR, PARTIAL DEPTH REPAIR, AND EXTENDING EXPANSION/CONTROL JOINT THROUGH PROPOSED COATING IS BASED ON AN ASSUMED QUANTITY. THE ASSUMED QUANTITY IS PROPORTIONAL TO THE CONCRETE REHABILITATION QUANTITIES IN THE FLOCCULATION / SEDIMENTATION BASIN IN WHICH THEY ARE LOCATED.

KEYED NOTES:

1. SEE SHEET S2307 FOR BASIN 3A ELEVATION VIEWS
2. SEE SHEET S2308 FOR BASIN 3A FLOCCULATION STAGE 1 ELEVATION VIEWS
3. SEE SHEET S2309 FOR BASIN 3A FLOCCULATION STAGE 2, 3, & 6 ELEVATION VIEWS
4. SEE SHEET S2310 FOR BASIN 3A FLOCCULATION STAGE 4 ELEVATION VIEWS
5. SEE SHEET S2311 FOR BASIN 3A FLOCCULATION STAGE 5 ELEVATION VIEWS
6. SEE SHEET S2312 FOR BASIN 3B ELEVATION VIEWS
7. SEE SHEET S2313 FOR BASIN 3B FLOCCULATION STAGE 1 ELEVATION VIEWS
8. SEE SHEET S2314 FOR BASIN 3B FLOCCULATION STAGE 2, 3 & 6 ELEVATION VIEWS
9. SEE SHEET S2315 FOR BASIN 3B FLOCCULATION STAGE 4 ELEVATION VIEWS
10. SEE SHEET S2316 FOR BASIN 3B FLOCCULATION STAGE 5 ELEVATION VIEWS
11. REPAIR TOP OF WALL S-03-901
12. INSTALL PERIMETER WALL COATING S-03-1102
13. INSTALL CEMENTITIONS COATING ON INTERIOR OF SETTLER WATER CHANNEL, SEE NOTE 3
14. FURNISH AND INSTALL HANDRAIL S-05-203 S-05-204

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HAWKINS WEIR ENGINEERS, INC. Engineering Client Success

REV	ISSUED FOR	DATE	BY
1	ADDENDUM 5	1-30-25	WJL

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

PROJECT MANAGER:	T. HUDSON
DESIGNED BY:	W. LEMONIER
DRAWN BY:	A. FITTIN
PROJECT ENGINEER:	B. PETERS

Hazen
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8150 N. CENTRAL EXPRESSWAY
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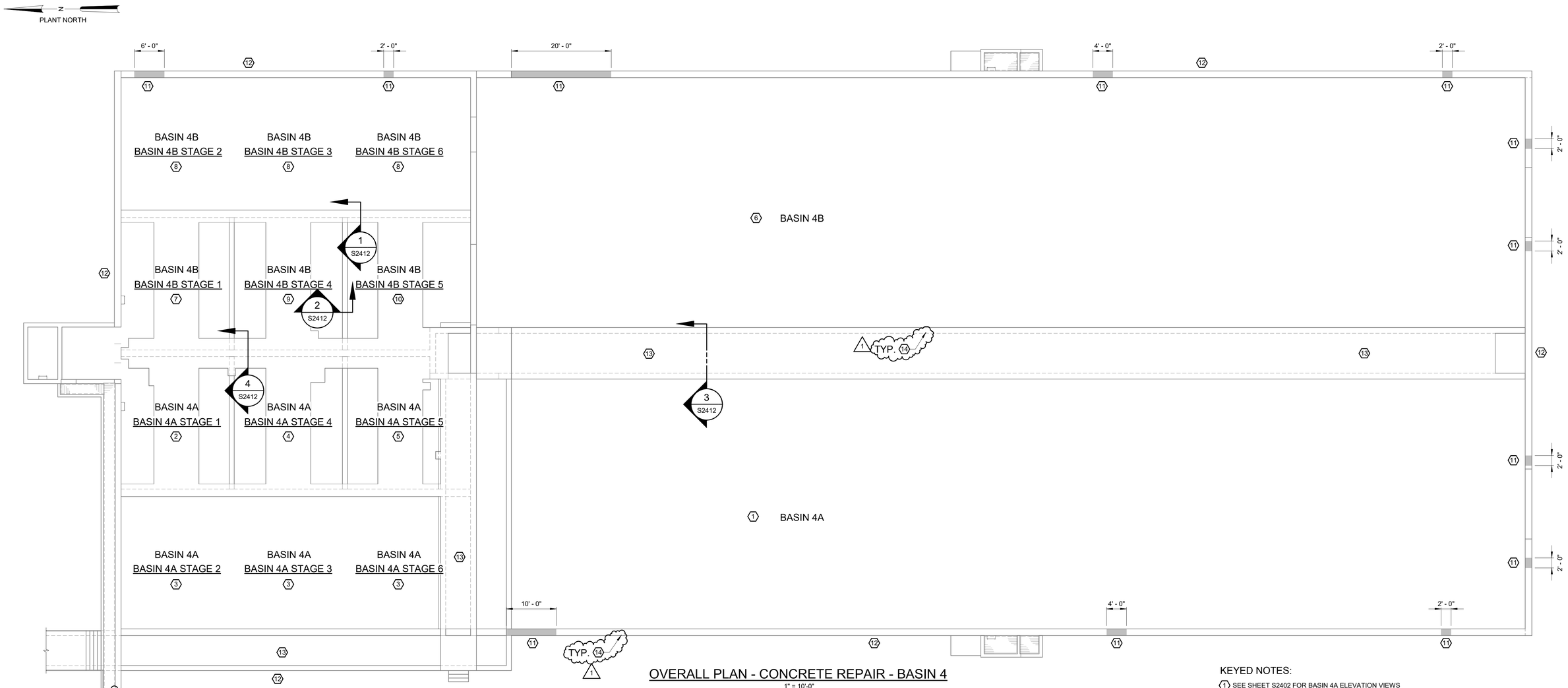
JACK H. WILSON WTP RENEWAL AND RESILIENCY PROJECT

FLOCCULATION AND SEDIMENTATION BASINS STRUCTURAL OVERALL PLAN - CONCRETE REPAIR - BASIN 3

DATE:	NOVEMBER 2024
HAZEN NO.:	60711-003
CONTRACT NO.:	1
DRAWING NUMBER:	S2306



OVERALL PLAN - CONCRETE REPAIR - BASIN 4

1" = 10'-0"

BASIN 4 CONCRETE REPAIR QUANTITY TABLE

DESCRIPTION	QUANTITY	UNIT	STAND'D DWG
REPAIR TOP OF WALL	58	LF	S-03-901
REPAIR HANDRAIL PENETRATION (4" CORE)	170	EA	S-03-903
REPAIR HANDRAIL PENETRATION (12"x12"x24")	38	EA	S-03-902
INSTALL MASTER PROTECT HB 400 OR TNEMEC ENVIRO-CRETE SERIES 157	2150	VSF	S-03-1102
INSTALL CEMETITOUS COATING INSIDE SETTLED WATER CHANNEL	17000	VSF	S-03-1101
REPAIR CRACK INSIDE SETTLED WATER CHANNEL	180	LF	S-03-1002
PARTIAL DEPTH REPAIR INSIDE SETTLED WATER CHANNEL	100	VSF	S-03-1001
EXTEND EXPANSION JOINT THROUGH PROPOSED COATING INSIDE SETTLED WATER CHANNEL	360	LF	S-03-1003
FURNISH AND INSTALL HANDRAIL	2444	LF	S-05-203 S-05-204

NOTES:

1. HANDRAIL PENETRATION REPAIR QUANTITIES INCLUDE EXTERIOR BASIN HANDRAIL, BASIN INTERIOR WALKWAY HANDRAIL, AND WALKWAYS NORTH OF THE BASINS. HANDRAIL PENETRATIONS WHERE TOP OF WALL REPAIRS ARE SPECIFIED ARE NOT INCLUDED IN THE QUANTITIES. S-03-902 S-03-903
2. THE TOP OF WALL REPAIR LOCATIONS ARE SHOWN FOR REFERENCE. THE REPAIR LIMITS WILL BE MARKED IN THE FIELD DURING CONSTRUCTION.
3. THE SETTLED WATER CHANNELS WERE NOT ACCESSED DURING DESIGN, THEREFORE THE QUANTITIES ESTIMATED FOR CRACK REPAIR, PARTIAL DEPTH REPAIR, AND EXTENDING EXPANSION/CONTROL JOINT THROUGH PROPOSED COATING IS BASED ON AN ASSUMED QUANTITY. THE ASSUMED QUANTITY IS PROPORTIONAL TO THE CONCRETE REHABILITATION QUANTITIES IN THE FLOCCULATION/SEDIMENTATION BASIN IN WHICH THEY ARE LOCATED.

KEYED NOTES:

1. SEE SHEET S2402 FOR BASIN 4A ELEVATION VIEWS
2. SEE SHEET S2403 FOR BASIN 4A FLOCCULATION STAGE 1 ELEVATION VIEWS
3. SEE SHEET S2404 FOR BASIN 4A FLOCCULATION STAGE 2, 3, & 6 ELEVATION VIEWS
4. SEE SHEET S2405 FOR BASIN 4A FLOCCULATION STAGE 4 ELEVATION VIEWS
5. SEE SHEET S2406 FOR BASIN 4A FLOCCULATION STAGE 5 ELEVATION VIEWS
6. SEE SHEET S2407 FOR BASIN 4B ELEVATION VIEWS
7. SEE SHEET S2408 FOR BASIN 4B FLOCCULATION STAGE 1 ELEVATION VIEWS
8. SEE SHEET S2409 FOR BASIN 4B FLOCCULATION STAGE 2, 3 & 6 ELEVATION VIEWS
9. SEE SHEET S2410 FOR BASIN 4B FLOCCULATION STAGE 4 ELEVATION VIEWS
10. SEE SHEET S2411 FOR BASIN 4B FLOCCULATION STAGE 5 ELEVATION VIEWS
11. REPAIR TOP OF WALL S-03-901
12. INSTALL PERIMETER WALL COATING S-03-1102
13. INSTALL CEMENTITIONS COATING ON INTERIOR OF SETTLED WATER CHANNEL, SEE NOTE 3
14. FURNISH AND INSTALL HANDRAIL S-05-203 S-05-204

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HAWKINS WEIR ENGINEERS, INC. Engineering Client Success

REV	ISSUED FOR	DATE	BY
1	ADDENDUM 5	1-30-25	WJL

PROJECT MANAGER:	T. HUDSON
DESIGNED BY:	W. LEMONIER
DRAWN BY:	A. FITTIN
PROJECT ENGINEER:	B. PETERS

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

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DALLAS, TEXAS 75206

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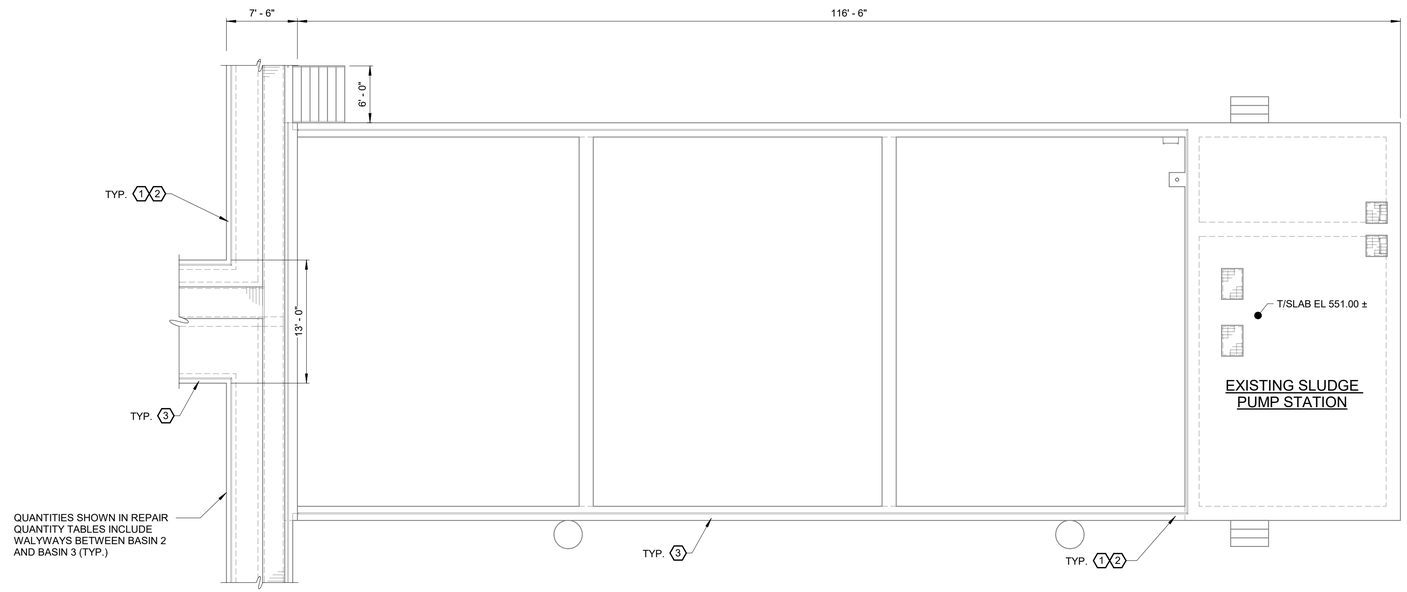
JACK H. WILSON WTP RENEWAL AND RESILIENCY PROJECT

FLOCCULATION AND SEDIMENTATION BASINS STRUCTURAL
OVERALL PLAN - CONCRETE REPAIR - BASIN 4

DATE: NOVEMBER 2024
HAZEN NO.: 60711-003
CONTRACT NO.: 1
DRAWING NUMBER: S2401

N
PLANT NORTH



EXISTING WASTE PIT CONCRETE REPAIRS

1/8" = 1'-0"

WASTE PIT HANDRAIL REPLACEMENT QUANTITY REPAIR TABLE

DESCRIPTION	QUANTITY	UNIT	STAND'D DWG
REPAIR HANDRAIL PENETRATION (4" CORE)	75	EA	S-03-0903
REPAIR HANDRAIL PENETRATION (12"x12"x24")	5	EA	S-03-0902
REMOVE AND REPLACE HANDRAIL	370	LF	S-05-0203 S-05-0204

NOTES:

1. HANDRAIL PENETRATION REPAIR QUANTITIES INCLUDE EXTERIOR WALLS OF THE WASTE PIT AND WALKWAYS NORTH OF THE WASTE PIT, INCLUDING WALKWAYS TO SEDIMENTATION BASIN 2 AND SEDIMENTATION BASIN 3.

KEYED NOTES:

1. REPAIR HANDRAIL PENETRATION (4" CORE) S-03-903
2. REPAIR HANDRAIL PENETRATION (12"x12"x24") S-03-902
3. REMOVE AND REPLACE HANDRAIL S-05-203, S-05-204

HAWKINS WEIR ENGINEERS, INC.
Engineering Client Success

GMP SUBMITTAL. DO NOT USE FOR CONSTRUCTION.

REV	ISSUED FOR	DATE	BY
1	ADDENDUM 5	1-30-25	WJL

PROJECT MANAGER: T. HUDSON
DESIGNED BY: W. LEMONIER
DRAWN BY: C. SELMAN
PROJECT ENGINEER: B. PETERS
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

STATE OF ARKANSAS LICENSED PROFESSIONAL ENGINEER No. 20398 WESLEY JAY LEMONIER 1-30-25

Hazen
HAZEN AND SAWYER
8150 N. CENTRAL EXPRESSWAY
TOWER II - SUITE 700
DALLAS, TEXAS 75206

CENTRAL ARKANSAS WATER
LITTLE ROCK, ARKANSAS

JACK H. WILSON WTP RENEWAL AND RESILIENCY PROJECT

WASTE PIT
STRUCTURAL
CONCRETE REPAIRS

DATE: NOVEMBER 2024
HAZEN NO.: 60711-003
CONTRACT NO.: 1
DRAWING NUMBER: 1 S3306

Autodesk Docs://60711-001_Wilson_WTP_Rehab_Filter_Basin/60711-003-3300-WPPS-STRU.rvt
1/30/2025 2:35:14 PM

Number	Question	Drawing/Specification Reference	Response
165	[MFCC] Please confirm that the 14” and 24” yard valves listed on the valve schedule for the BWR have been updated to 2ea 20” valves.	40 06 20	The 14" and 24" yard valves listed in the Valve Schedule in the Manually Operated Valve Schedule are manual butterfly valves on the BWR line and are still included. See the following sheets for reference: **-14" BFV:** M2111 (upstream of the 14" BWR mag meter) **-(2) 24" BFVs:** M2001 (both upstream of the Raw Water Influent Box, 1 for bypass). There are also (2) 20" motorized BFVs on the BWR directly downstream of each Backwash Treatment Tank effluent line. See the M4000 series drawings for reference.
166	[MFCC] We believe the intent is for all handrail to be replaced on the filters and flocc/sedimentation basins. There are interconnecting walkways and waste pit area with handrail, walk plates, etc. that are not specially called out nor detailed for removal and replacement. Please provide details and/or quantities for these areas.		The intent is for all handrail to be replaced on the filters, flocc/sedimentation basins, walkways between sedimentation basins and existing waste pit area, and around the existing waste pit area. Handrail repair quantities have been added to Drawings S2107, S2205, S2306, and S2401 for the flocc/sedimentation basins and Drawing S3306 has been added to include handrail repair quantities for the waste pit area. Handrail repair quantities for the Filters were already included on the S3000 series of Drawings. See Addendum No. 5 for Drawing revisions and additions.
167	[ETEC/Continental] We plan to quote Continental Blower for the Multistage Centrifugal Blowers (Spec section 43 11 18). Please find attached requests from Continental Blower and their controls supplier, NE Controls. If you have any questions, or require additional information, please do not hesitate to contact me.	43 11 18	Continental Blower has been approved to bid. Response to Continental Blower's bid questions are below: 1.a.i. The inlet valve will be controlled by the blower control panel. 1.a.ii. The blow-off valve will be controlled by plant PLC since it is a common valve for both blowers. A warning plate shall be placed on the front of the blower panel alerting operators to open the blow-off valve before turning on the blower in manual mode. 2. NEMA 12 is sufficient for the blower control panel. 3. To limit the variety of pressure and temperature instruments across the plant, Foxboro has not been added to the spec. Quotes shall be updated based on blower changes released under Addendum No. 4. See Addendum No. 5 for additional updates to spec section 43 11 18.
168	[ETEC/Continental] When is the last day to submit questions.		7 days prior to the bid opening. No questions will be accepted after 1/31 at 2 pm CT.

Number	Question	Drawing/Specification Reference	Response
169	There is a spec for Venturi tubes, but I don't see any new tubes on the plans. If there is one required, can you please tell me what sheet it is on.	40 71 23.13	Correct, there are no new venturi flow meters being added in this project. Specification 40 71 23.13 has been removed from the specs.
171	[Victaulic] I was looking through the 90% DIP spec – section 2.04 says that all exposed ductile iron pipe shall have flanged joints. But later, in the spec under mechanical joints Victaulic Style 31 couplings are called out. I wanted to bring this to your attention to see if Hazen or Central Arkansas had any issues with using couplings on the Steel or DIP. See attached highlighted spec.	40 05 19	Refer to Specification 40 05 00 - Paragraph 2.08 regarding grooved couplings. Section A states: A. Grooved end pipe couplings shall be furnished as specified or shown on the Drawings.
172	[IPS] Will Tnemec 431 Permashield be an approved equal to P401? Attached are comparison sheets TN431 vs P401 and submittal data.		Yes, the Tnemec 431 Permashield is considered an equal to P-401.
173	[Alessi Keyes] Please confirm that there are no Coiling Shutters per 083302 or Rolling Counter Fire Doors per 083313. We see the single Roll Up Door #3010 in the Filter Building per 083323.	08 33 02 / 08 33 13 / 08 33 23	The 083302 Coiling Shutters are used in the Cross Gallery Control Room (A3007) exterior windows and called out in Construction Note #4. The 083313 Rolling Counter Fire Doors can be disregarded/removed as there is no instance in the project.
174	[WR Meadows] I was following up to see if the attached submittal request for CEM-KOTE™ CW PLUS is acceptable. I would be more than happy to discuss this with you. Please let me know if you need anything further from me or have any questions. See attachments.	07 16 16	No substitute products can be considered prior to the GMP for this product due to inadequate review time. Products submitted as substitutes by the Contractor after the GMP is approved may be reviewed for use on this project.
175	[MFCC] Reference drawing C1208, profile 3. Is the 24" valve shown on the profile required?	C1208	Yes, the 24" BFV on the BWR line shown is directly upstream of the Rapid Mix Influent Box. This valve is additionally shown on the Valve Schedule (Manually Operated Valve Schedule) and the M2000 series drawings, such as M2001.
178	[Ideal Construction] Windows in East & West Gallery call to "Re-glaze" existing windows. Does this mean new glass or caulk only? If new glass, what kind of glass?		Reglazing is to be caulk/sealant only - existing window glass to remain in place.
179	[Ideal Construction] What do you mean by "Rock Bedding" at the Bulk Chemical Building. We intend to provide 4" of gravel drainage fill on top of your prepared building pad and go up from there. We are NOT including any undercut or construction of the building pad. Is that correct?		Correct. Max Foote Construction will prepare the building pad to within 0.1' VF of subgrade of any required rock and/or vapor barrier. The Architectural package subcontractor will be responsible for the rock and/or vapor barrier procurement and installation. Currently the drawings do not show rock beneath the slab, but my understanding is that will be updated via addendum along with any vapor barrier requirements, etc.
180	[Ideal Construction] Can we expect addendum #5 to answer the questions we still have pending? I assume it will be issued next week.		Addendum No. 5 will be issued this week. Addendum No. 6, if required, will be distributed next week. And the cutoff for questions is January 31st.
181	[Alessi Keyes] Are the appliances described in the Addendum 4 sheet A0012 to be provided as part of the architectural package or are they owner furnished and installed?	A0012	Appliances are to be contractor provided per specification, or equal.

Number	Question	Drawing/Specification Reference	Response
182	[Alessi Keyes] What species of wood door do we need to provide? Are these prefinished doors?		Wood doors will be white oak, wood door specification to be issued with the conformance set.
189	[Alessi Keyes] There are several questions regarding the exiting stairs from the new control room. I have attached two marked up sheets that address the following questions:		See below:
	a. Demo – need size of exterior wall to be removed.	A3003	Only exterior wall infill at removed door.
	b. Demo – I am assuming that there is an existing walkway that we are tying into. Does any of this need to be reworked for this new platform, exit stairs and 3 new gates?	A3003	yes, the existing walkway is extended to allow for required exit clearance and new railing is to be installed. See S3103 for platform and railing/gates.
	c. New Construction – what style of swing gate is required for the locations noted on A3007?	A3007	Use Public Access gate as shown on SD13 for egress path.
	d. New Construction – Is the platform that is shown at the bottom of the stairs at the same elevation as the walkway?	A3007	Yes, it should be flush with the existing walkway and extended to cantilever over basin in order to provide required width.
	e. New Construction – Is the south gate on A3007 at grade? If so, a person would walk into the elevated platform in d above.	A3007	The 3 gates are on the same level of the walkway around the basins. We are keeping the people exitting the control room from leaving the designated path of egress while alos maintaining employee access to the basin walkways for maintenance.
	f. New Construction – Can the designer provide a section cut that would show the different elevations that this exit involves? It is possible that the platform I am asking about in d is actually a ramp. Please advise.	A3007	It is not a ramp, there are existing stairs down from door 3034 to a landing and existing walkway around the basins. In order to meet the width requirements for egress, we need the walkway extended out over the basin. The rectangular area shown with the "note 10" is not a change in elevation, it is an extent of addition (see structural sheet S3103 for buld out). Please note the new railing at this extension and gates to prevent people from leaving the path in a panic. The path leads to a new landing, stairs down from the basin walkway, and a sidewalk outside the basin wall.
	g. New Construction – Are the new stairs to be steel or concrete?	A3007	Concrete stairs and walkway.