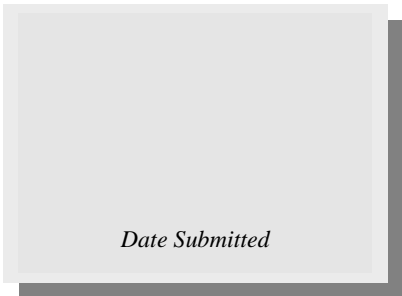




**CITY OF WAUKESHA
PLAN COMMISSION**

Application for Review



Date Submitted

Name of Project: Waukesha County Grandview Boulevard Salt Shed

Address (if no address, location): 1641 Woodburn Road Waukesha, WI 53188

Applicant information:

Name: Gary Stark
 Company Name: WisDOT
 Address: 141 NW Barstow ST PO Box 798
Waukesha, WI 53187-0798
 Phone: 262-548-8761

Owner information:

Name: Waukesha County
 Company Name: Waukesha County
 Address: 1641 Woodburn Rd
Waukesha, WI 53188
 Phone: 262-548-7736

IMPORTANT: A DIGITAL copy must be submitted with this application (JPG and/or PDF) along with 4 full-size (one of which must be in COLOR) and 7 reduced copies unless waived by the department. The reduced set of copies should only include the project location map showing a 1/2 mile radius, a COLORED landscape plan, COLORED building elevations, and exterior light fixture cut sheets.

<u>TYPE OF REVIEW</u>	<u>FEE</u>
<input type="checkbox"/> Rezoning: Attach <u>COPY</u> of rezoning petition <u>along with fee</u> . Original <u>must</u> be submitted to City Clerk.	\$350
<input type="checkbox"/> Certified Survey Map	\$150 + \$50/lot
<input type="checkbox"/> Plat Review - <i>Plat Reviews</i> are held until next meeting. 9 copies must be submitted. You must also submit 4 to the County and 2 to State. (Check appropriate box)	<input type="checkbox"/> prelim.: \$500 + \$10/lot <input type="checkbox"/> final: \$300 + \$10/lot
<input type="checkbox"/> ** Site Plan & Arch. Review - Architectural changes do not need preliminary review. (Check appropriate box)	<input type="checkbox"/> prelim.: \$300 + \$15/1000 sq.ft. or res. unit <input type="checkbox"/> final: \$200 + \$10/1000 sq.ft. or res. unit
<input type="checkbox"/> ** Conditional Use with Site Plan (Check appropriate box)	<input type="checkbox"/> prelim.: \$300 + \$15/1000 sq.ft. or res. unit <input type="checkbox"/> final: \$200 + \$10/1000 sq.ft. or res. unit
<input type="checkbox"/> Conditional Use (No Site Plan)	\$200
<input type="checkbox"/> ** Airport Hangar Review	\$300
<input type="checkbox"/> Home Industry (Attach info sheet.)	\$100
<input type="checkbox"/> House Move	\$150
<input type="checkbox"/> Street Vacation	\$150
<input type="checkbox"/> Other (specify): <u>Waukesha County Maintenance Facility</u>	\$100
<input type="checkbox"/> ** PUD Review	\$400 added to S.P.A.R. fee
<input type="checkbox"/> PUD Amendment	\$100
<input type="checkbox"/> Annexations and/or Attachments - Original must be submitted to City Clerk.	No Fee
<input type="checkbox"/> Resubmittal	\$150

** Please attach to this form a Review Checklist if it involves an architectural and/or site plan review.

DEADLINE FOR THE SUBMITTAL IS THE MONDAY FOUR WEEKS BEFORE THE MEETING BY 4:00 P.M.

INTERNAL USE ONLY			
Amount Due: _____	Check #: _____	Amount Paid: _____	Rec'd By: _____

Grandview Boulevard Salt Shed Located on Existing Waukesha County Maintenance Site

Project Purpose:

The purpose of the proposed project is to accommodate maintenance and safety demands arising from inadequate salt storage capacity, brine making capacity, and salt recycling capacity.

Need:

Currently, Waukesha County cannot accommodate the amount of salt storage required for maintaining the county roads, state roads, and freeways / interstates. Also, Waukesha County is currently disposing of its contaminated salt water at a significant cost.

Project Scope:

The project work consists of construction of salt storage shed, brine making facility with underground wastewater detention tank, a static truck scale, detention pond, and concrete and asphalt driveways for the facility. The salt shed will increase salt storage capacity by 15,000 tons. The new brine making facility will allow for the brine making on demand, and the underground storage tank capacity for the contaminated salt water will be 30,000 gallons.

Project Construction:

Project LET is July 10, 2018 and is 130 working days.

Project construction is anticipated to begin early August 2018 and be completed end of April / beginning of May 2019.

Woodburn Rd

Google earth

© 2018 Google



Project Location

700 ft



PROJECT ID: 1060-62-70

COUNTY: WAUKESHA

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

EAST WEST FREEWAY

GRANDVIEW BOULEVARD SALT SHED

IH-94

WAUKESHA COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1060-62-70		

ORDER OF SHEETS

Section No.	Title
1	Title
2	Typical Sections and Details
3	Estimate of Quantities
3	Miscellaneous Quantities
4	Right of Way Plat
5	Plan and Profile
6	Standard Detail Drawings
7	Sign Plates
8	Structure Plans
9	Computer Earthwork Data
9	Cross Sections

TOTAL SHEETS =

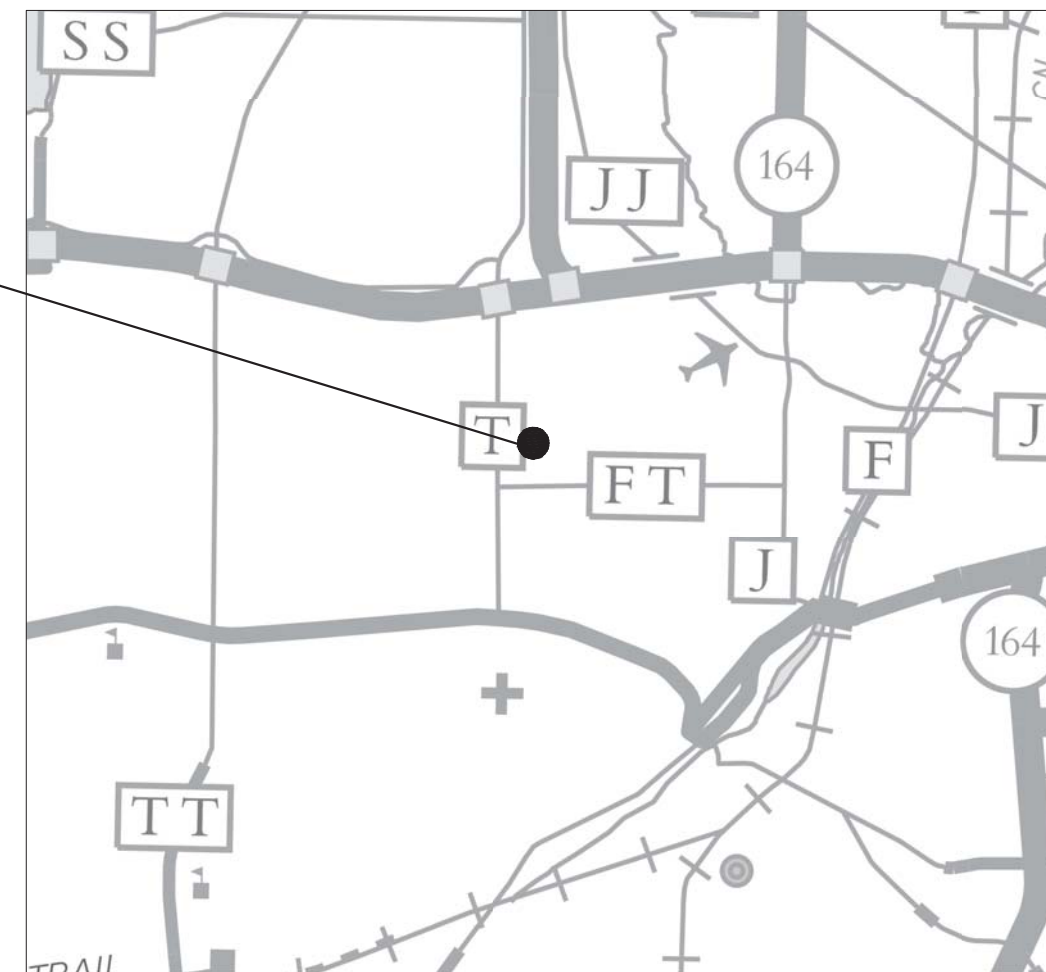


STATE PROJECT NUMBER
1060-62-70

DESIGN DESIGNATION

A.A.D.T.	N/A	=	N/A
A.A.D.T.	N/A	=	N/A
D.H.V.		=	N/A
D.D.		=	N/A
T.		=	N/A
DESIGN SPEED		=	N/A
ESALS		=	N/A

BEGIN PROJECT 1060-62-70
 END PROJECT
 X = 677,002.80
 Y = 169,193.86



CONVENTIONAL SYMBOLS

PLAN	PROFILE
CORPORATE LIMITS	GRADE LINE
PROPERTY LINE	ORIGINAL GROUND
LOT LINE	MARSH OR ROCK PROFILE (To be noted as such)
LIMITED HIGHWAY EASEMENT	SPECIAL DITCH
EXISTING RIGHT OF WAY	GRADE ELEVATION
PROPOSED OR NEW R/W LINE	CULVERT (Profile View)
SLOPE INTERCEPT	UTILITIES
REFERENCE LINE	ELECTRIC
EXISTING CULVERT	FIBER OPTIC
PROPOSED CULVERT (Box or Pipe)	GAS
COMBUSTIBLE FLUIDS	SANITARY SEWER
MARSH AREA	STORM SEWER
WOODED OR SHRUB AREA	TELEPHONE
	WATER
	UTILITY PEDESTAL
	POWER POLE
	TELEPHONE POLE

LAYOUT
 SCALE 0 1 MILE
 TOTAL NET LENGTH OF CENTERLINE = 0.000

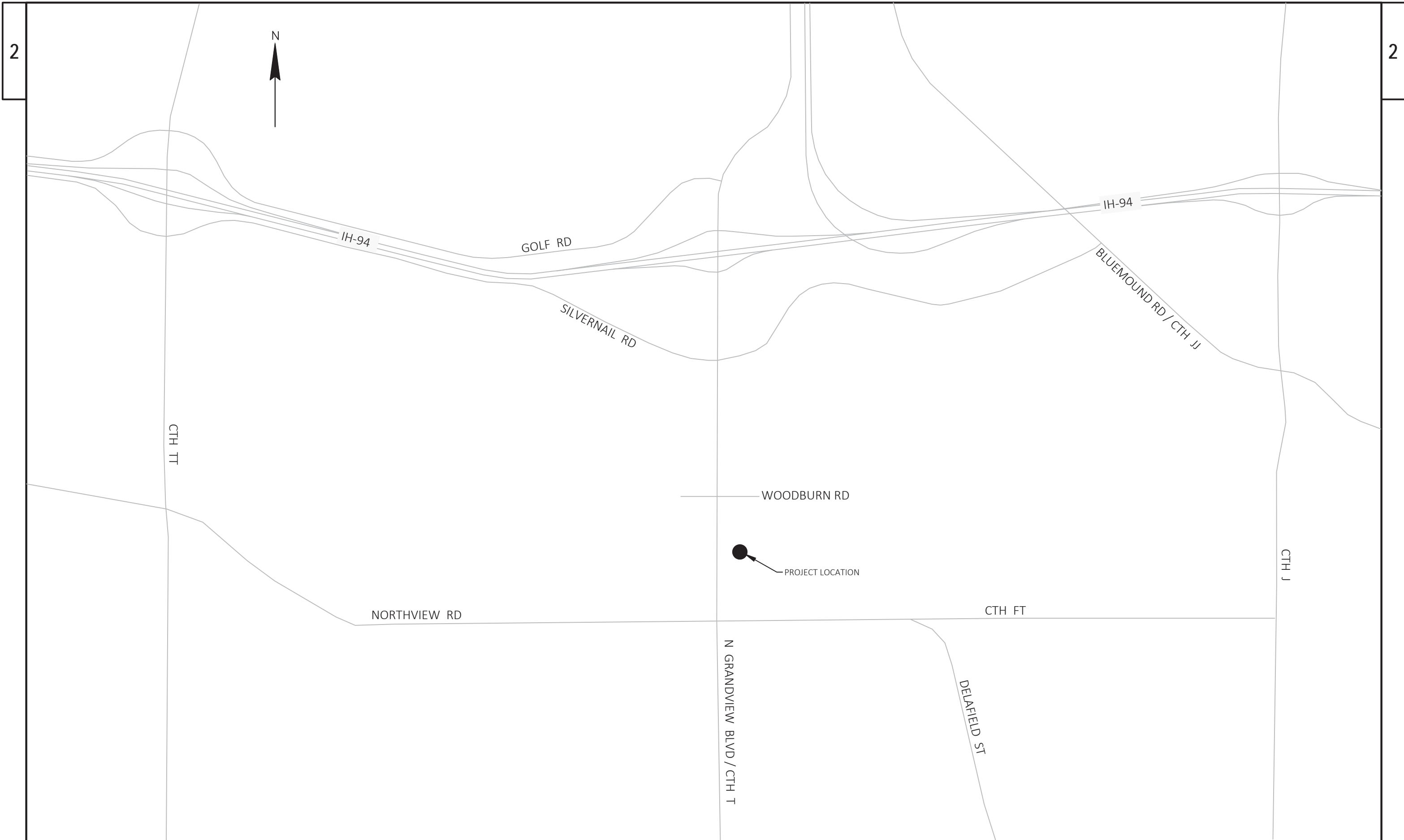
HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, WAUKESHA COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES. ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NAVD 88 (2012)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	KAPUR & ASSOC.
Designer	GARY STARK
Project Manager	NGUYEN LY
Regional Examiner	STEVE CHOJNACKI
Regional Supervisor	BENEDICT ERUCHALU

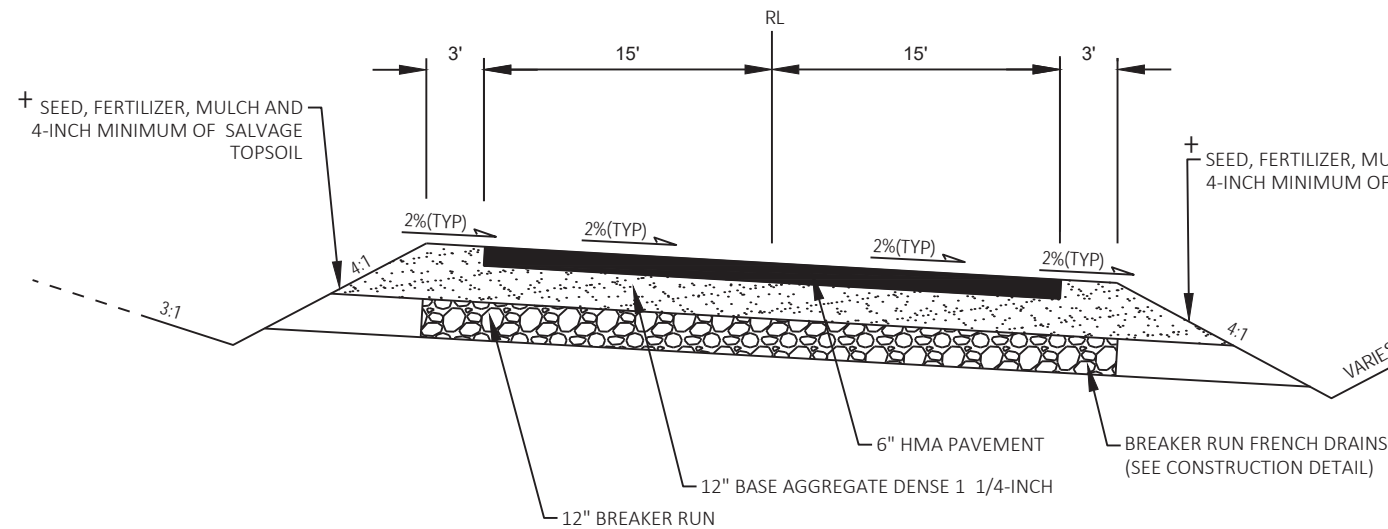
APPROVED FOR THE DEPARTMENT
 DATE: January 31, 2018 
 (Signature)



2

2

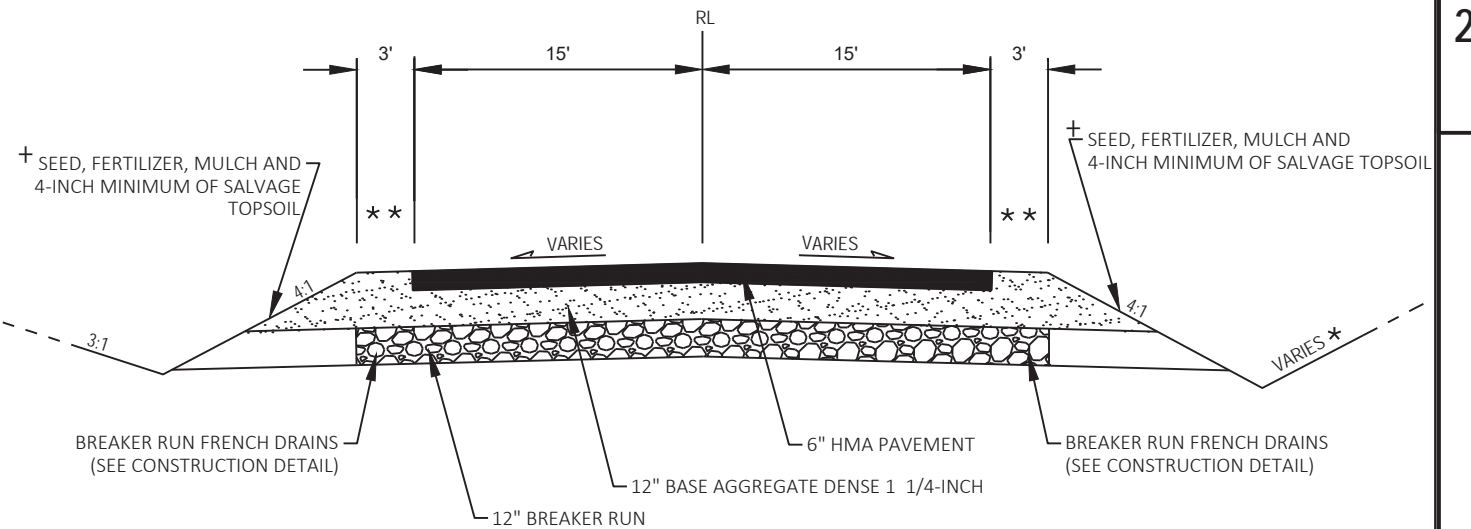
PROJECT NO: 1060-62-70	HWY: IH-94	COUNTY: WAUKESHA	PROJECT OVERVIEW	SHEET	E
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**FINISHED TYPICAL SECTION
ASPHALT DRIVEWAY RL**

STA 4+31 TO STA 7+77

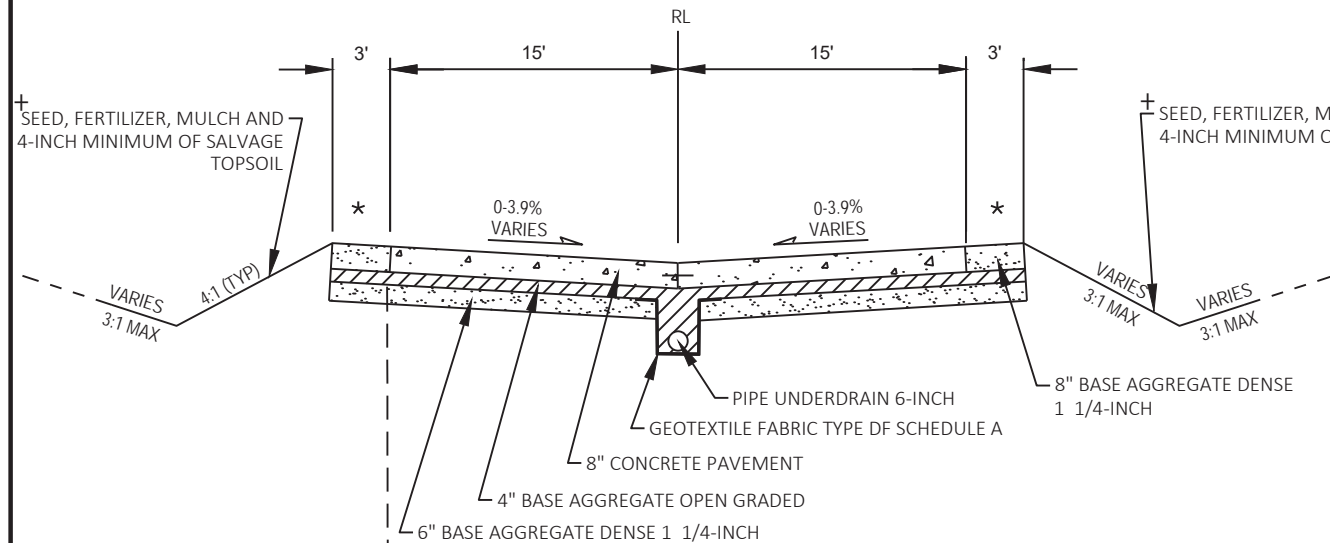
- * SEE DETENTION POND DETAILS - STA 4+54 TO STA 6+60 RT
- + USE EROSION MAT CLASS II TYPE B FOR SLOPES GREATER THAN 4:1



**FINISHED TYPICAL SECTION
ASPHALT EAST DRIVEWAY RL**

STA 0+15 TO STA 0+65

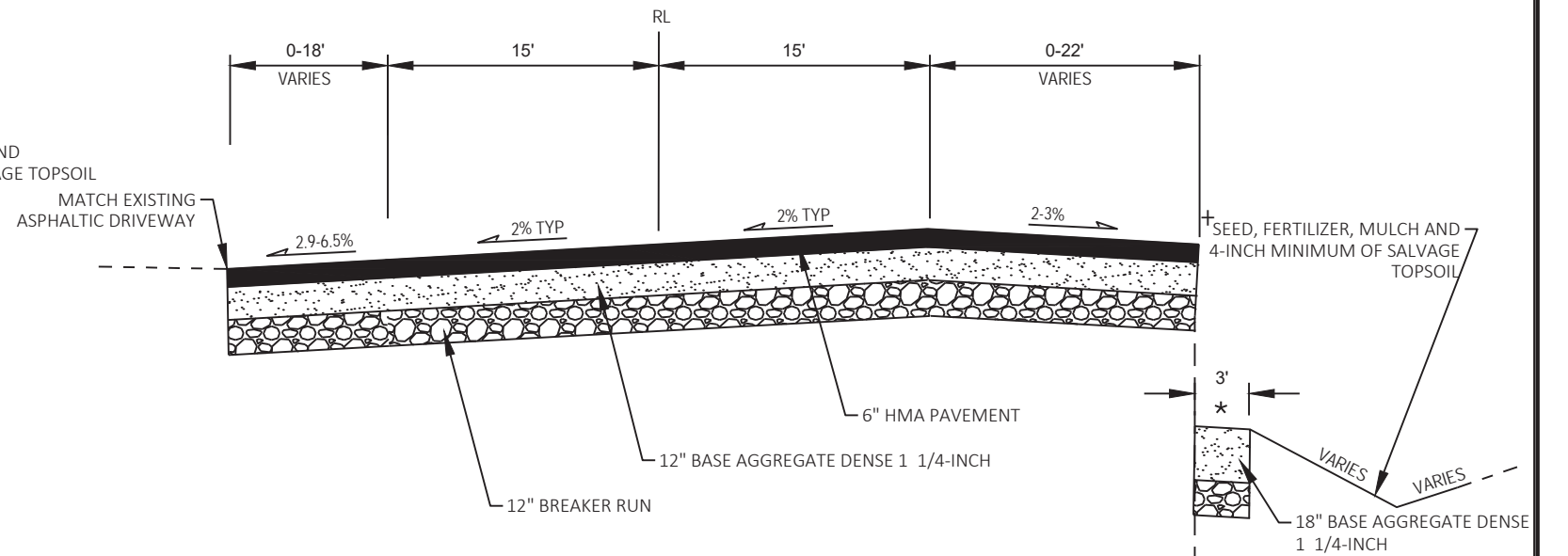
- * SEE DETENTION POND DETAILS
- ** SHOULDER SLOPE TO MATCH HMA PAVEMENT SLOPE
- + USE EROSION MAT CLASS II TYPE B FOR SLOPES GREATER THAN 4:1



**FINISHED TYPICAL SECTION
CONCRETE DRIVEWAY RL**

STA 0+96 TO STA 4+14

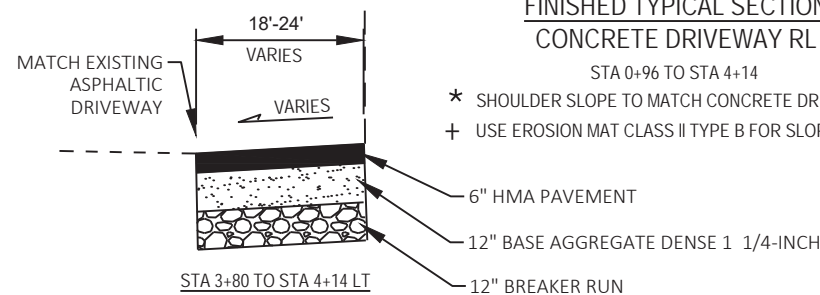
- * SHOULDER SLOPE TO MATCH CONCRETE DRIVEWAY SLOPE
- + USE EROSION MAT CLASS II TYPE B FOR SLOPES GREATER THAN 4:1



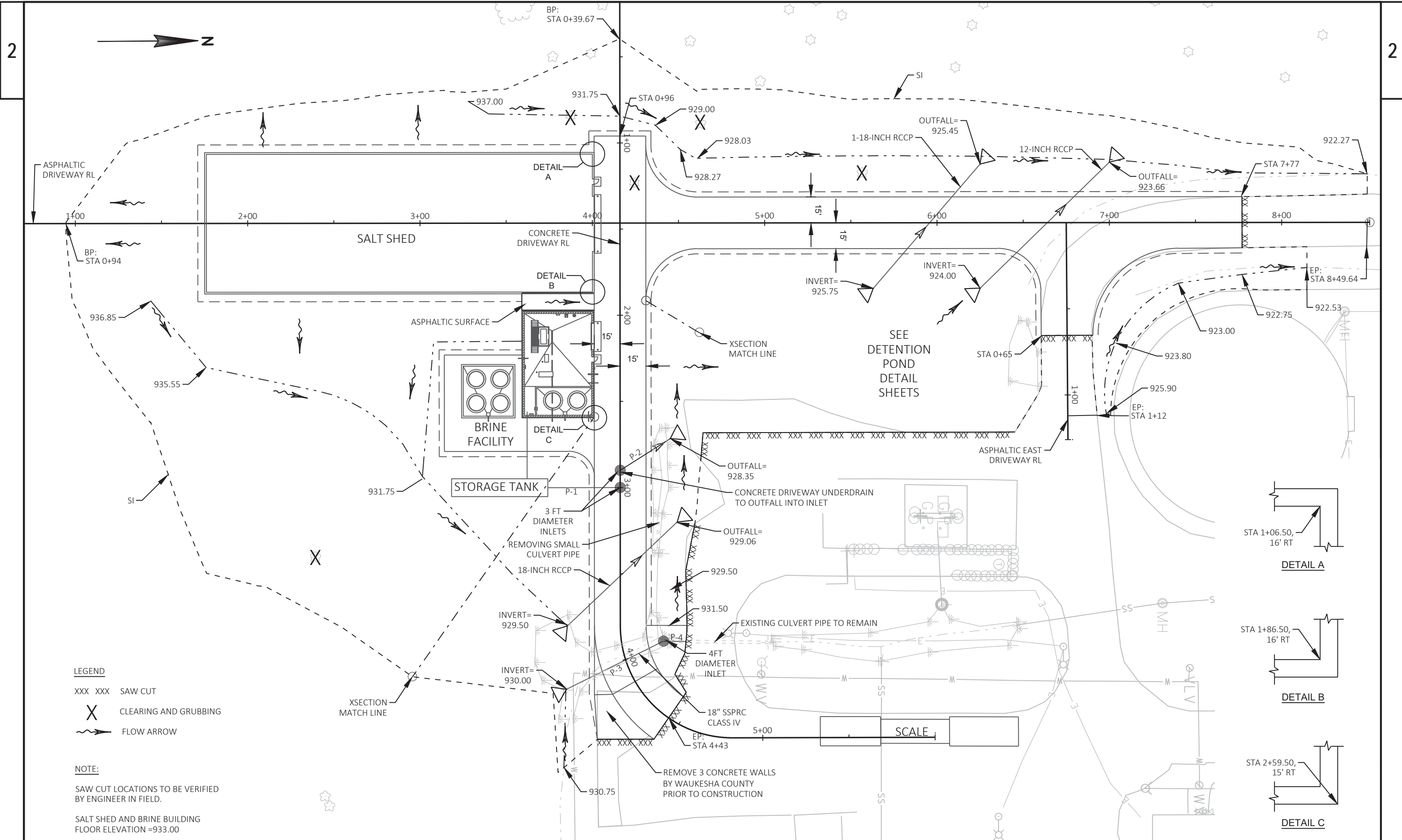
**FINISHED TYPICAL SECTION
CONCRETE DRIVEWAY RL**

STA 4+14 TO STA 4+43

- * SHOULDER SLOPE TO MATCH HMA PAVEMENT SLOPE
- + USE EROSION MAT CLASS II TYPE B FOR SLOPES GREATER THAN 4:1

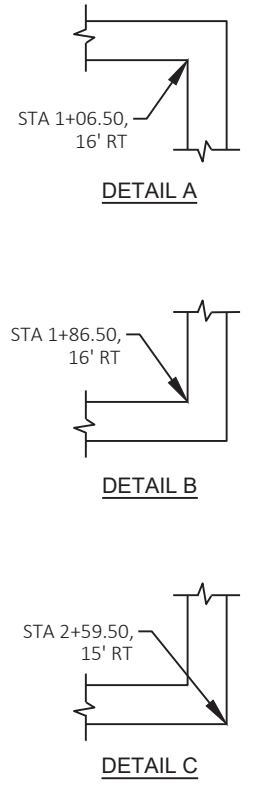


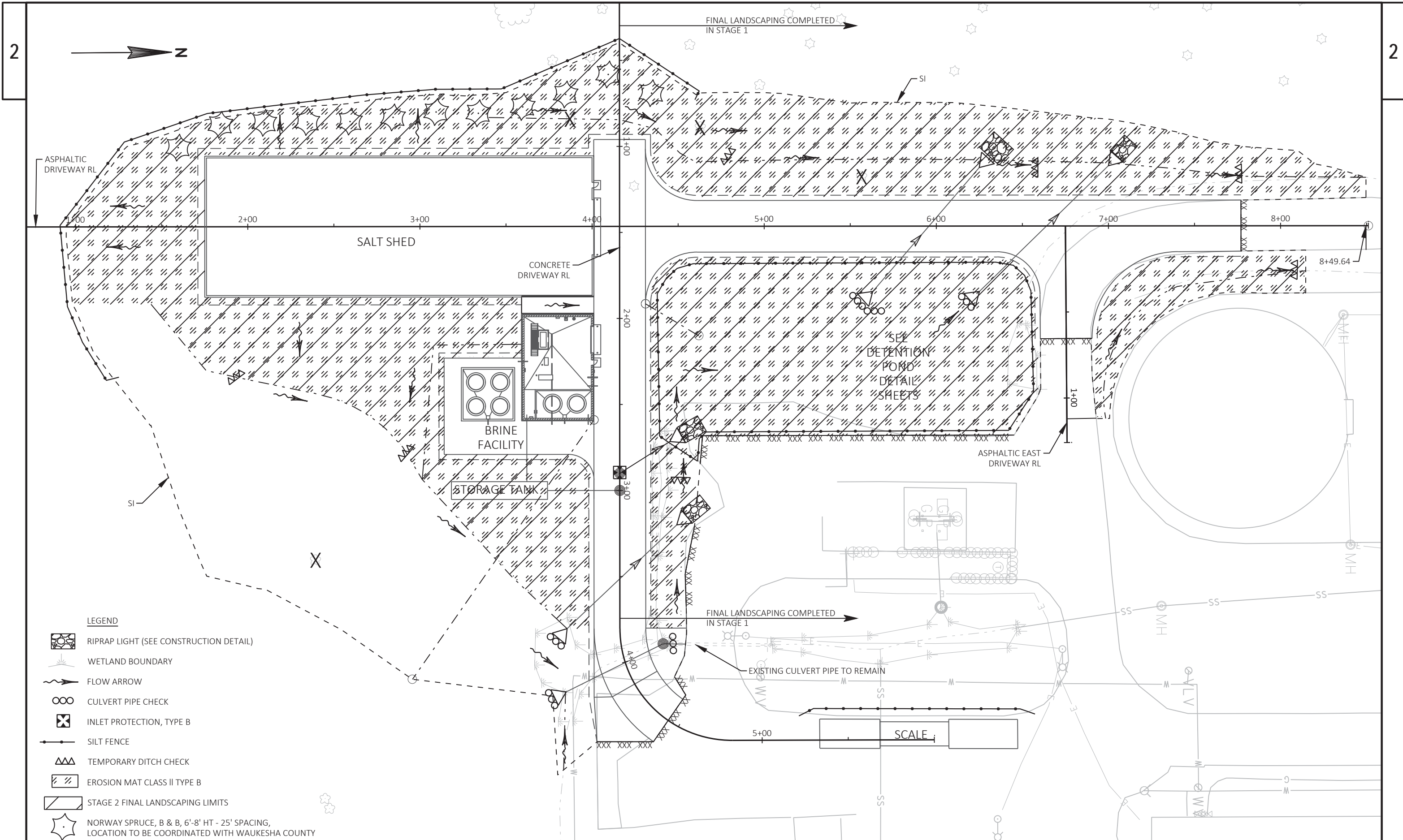
STA 4+14 TO STA 4+43 LT






LEGEND
 XXX XXX SAW CUT
 X CLEARING AND GRUBBING
 ~~~~~ FLOW ARROW

**NOTE:**  
 SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER IN FIELD.  
 SALT SHED AND BRINE BUILDING FLOOR ELEVATION = 933.00

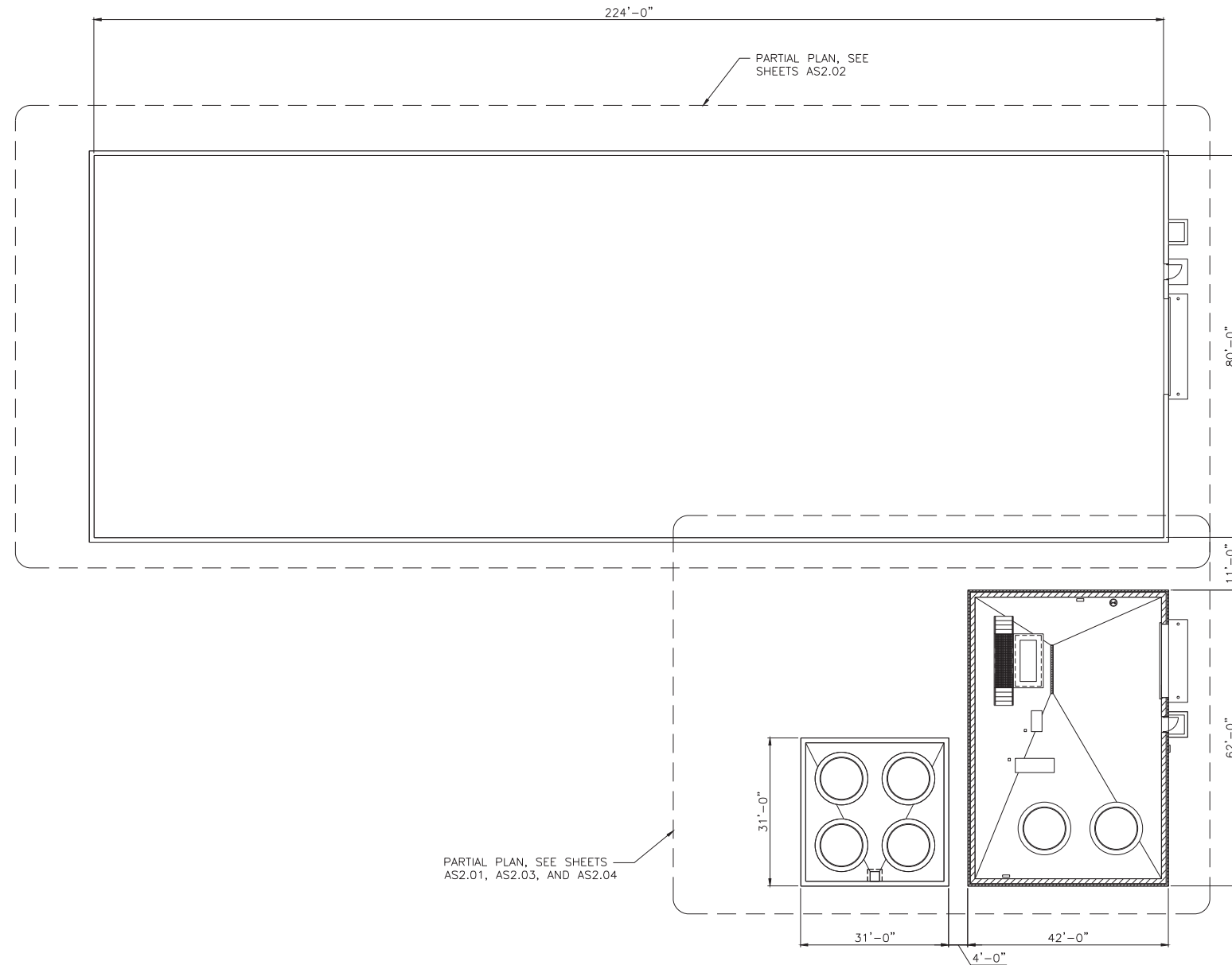




**LEGEND**

-  RIPRAP LIGHT (SEE CONSTRUCTION DETAIL)
-  WETLAND BOUNDARY
-  FLOW ARROW
-  CULVERT PIPE CHECK
-  INLET PROTECTION, TYPE B
-  SILT FENCE
-  TEMPORARY DITCH CHECK
-  EROSION MAT CLASS II TYPE B
-  STAGE 2 FINAL LANDSCAPING LIMITS
-  NORWAY SPRUCE, B & B, 6'-8' HT - 25' SPACING, LOCATION TO BE COORDINATED WITH WAUKESHA COUNTY

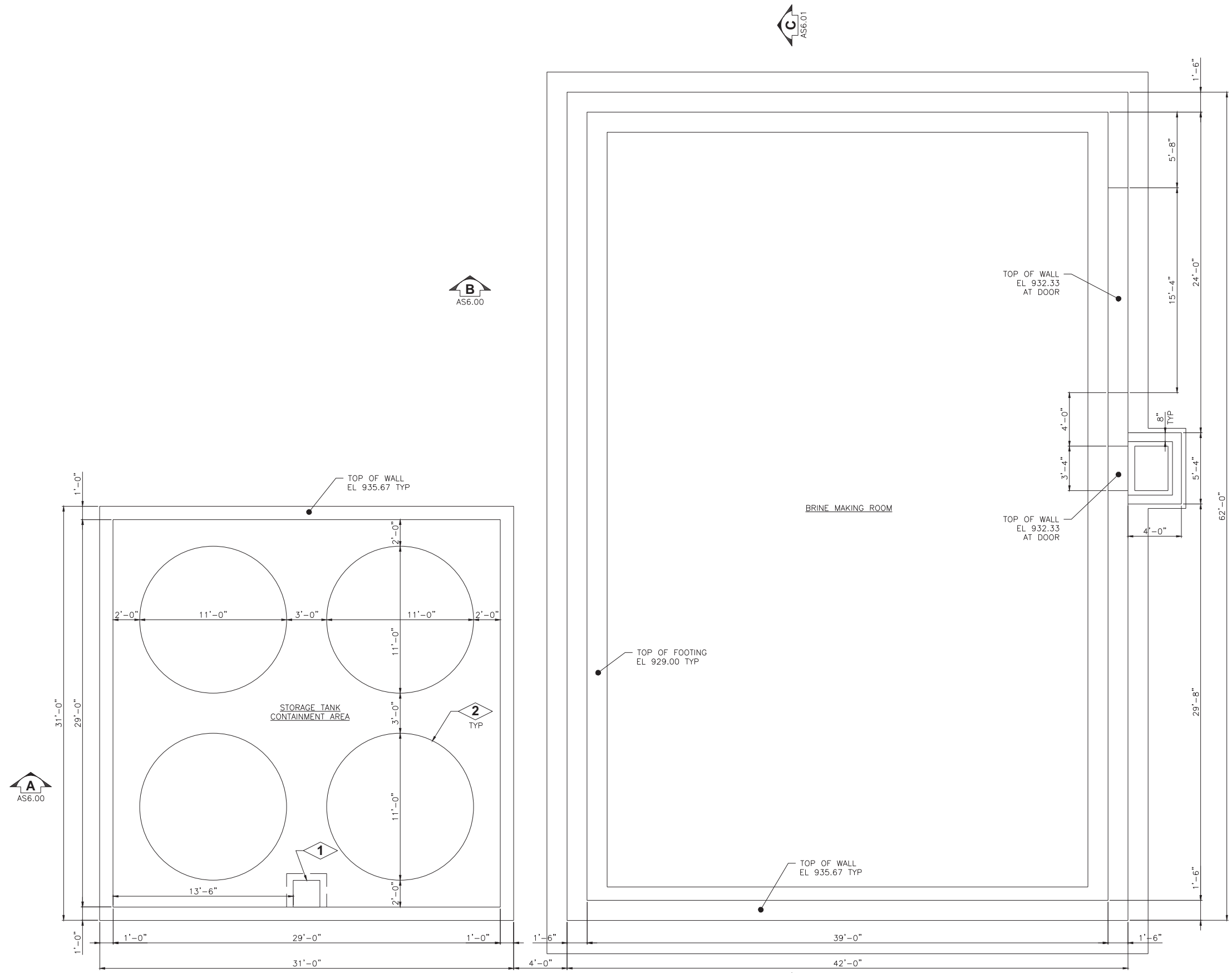




OVERALL PLAN



SHEET AS2.00



- PLAN NOTES:**
1. 2'-0" SQ. x 2'-0" DEEP SUMP, SEE (S339).
  2. EQUIPMENT PAD, SEE (S342).

FOUNDATION PLAN





224'-0"



SALT STORAGE BARN

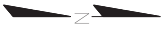
3

32'-0"(H)x20'-0"(W)  
OVERHEAD DOOR

TYP



FLOOR PLAN



PLAN NOTES:

- 1. GUARD POST, SEE (S100).
- 2. 5'-4"x4'-0" DOOR STOOP, SEE (S362).
- 3. FLOOR SLAB TO BE 4" ASPHALT OVER 12" OF 1-1/4" DENSE BASE AGGREGATE.
- 4. 22'-0"x4'-0" APPROACH SLAB, SEE (S365).

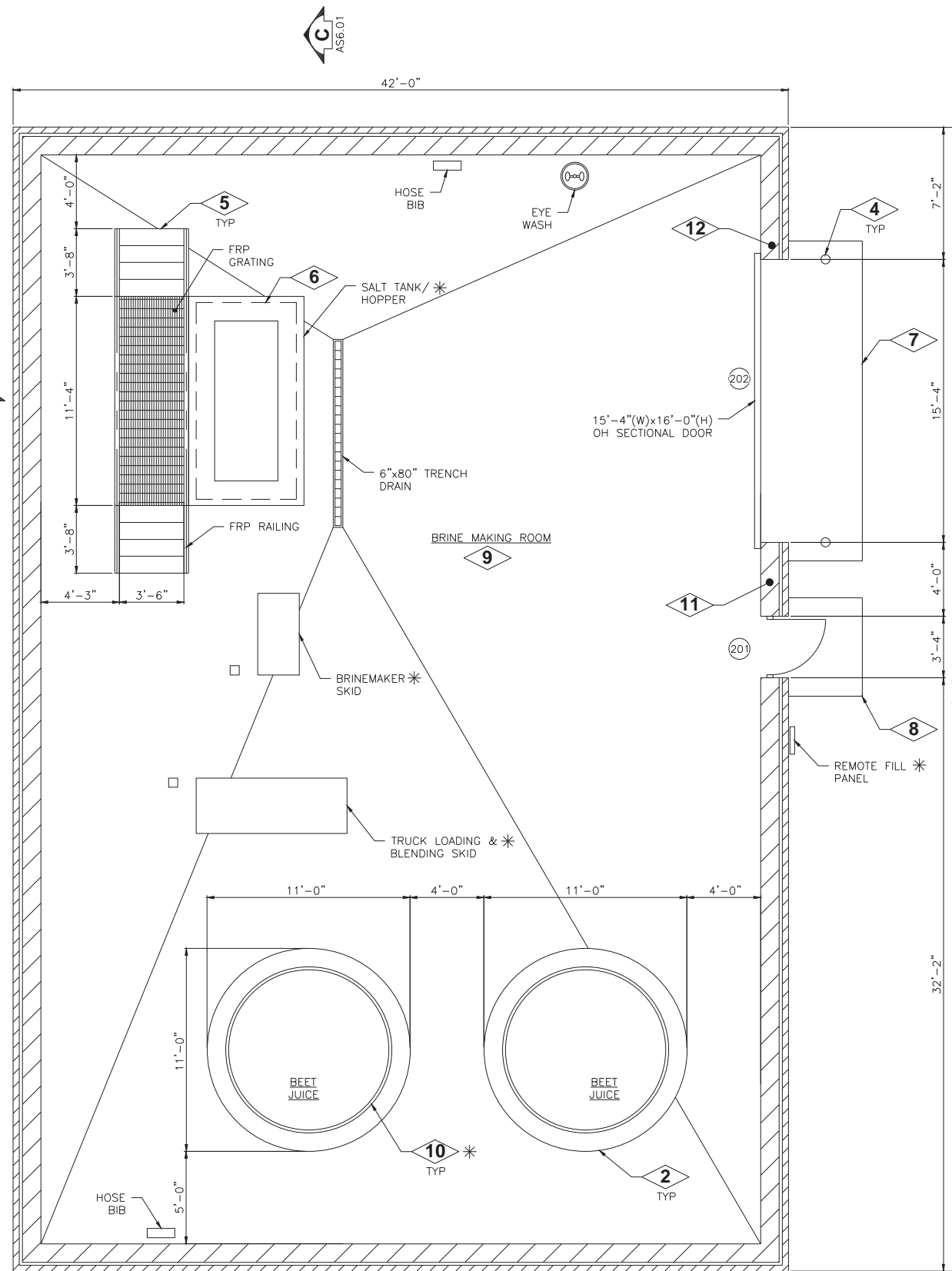
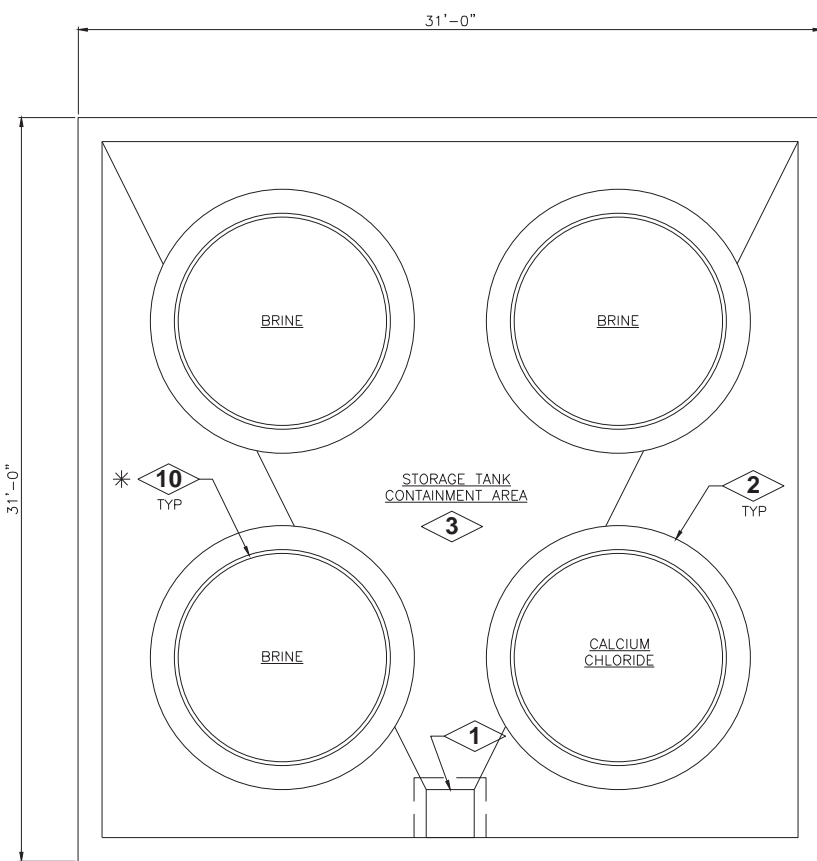
SHEET  
AS2.02

**GENERAL NOTES:**

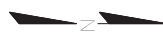
- 1. WALL CONSTRUCTION: 12" CMU, 2" RIGID INSULATION, 4" DECORATIVE BRICK. REINFORCE WITH #5@32" OC. SEE (S451).
- 2. \* = EQUIPMENT AND PIPING PROVIDED AND INSTALLED BY OTHERS AND IS NOT INCLUDED IN THE SCOPE OF WORK.

**PLAN NOTES:**

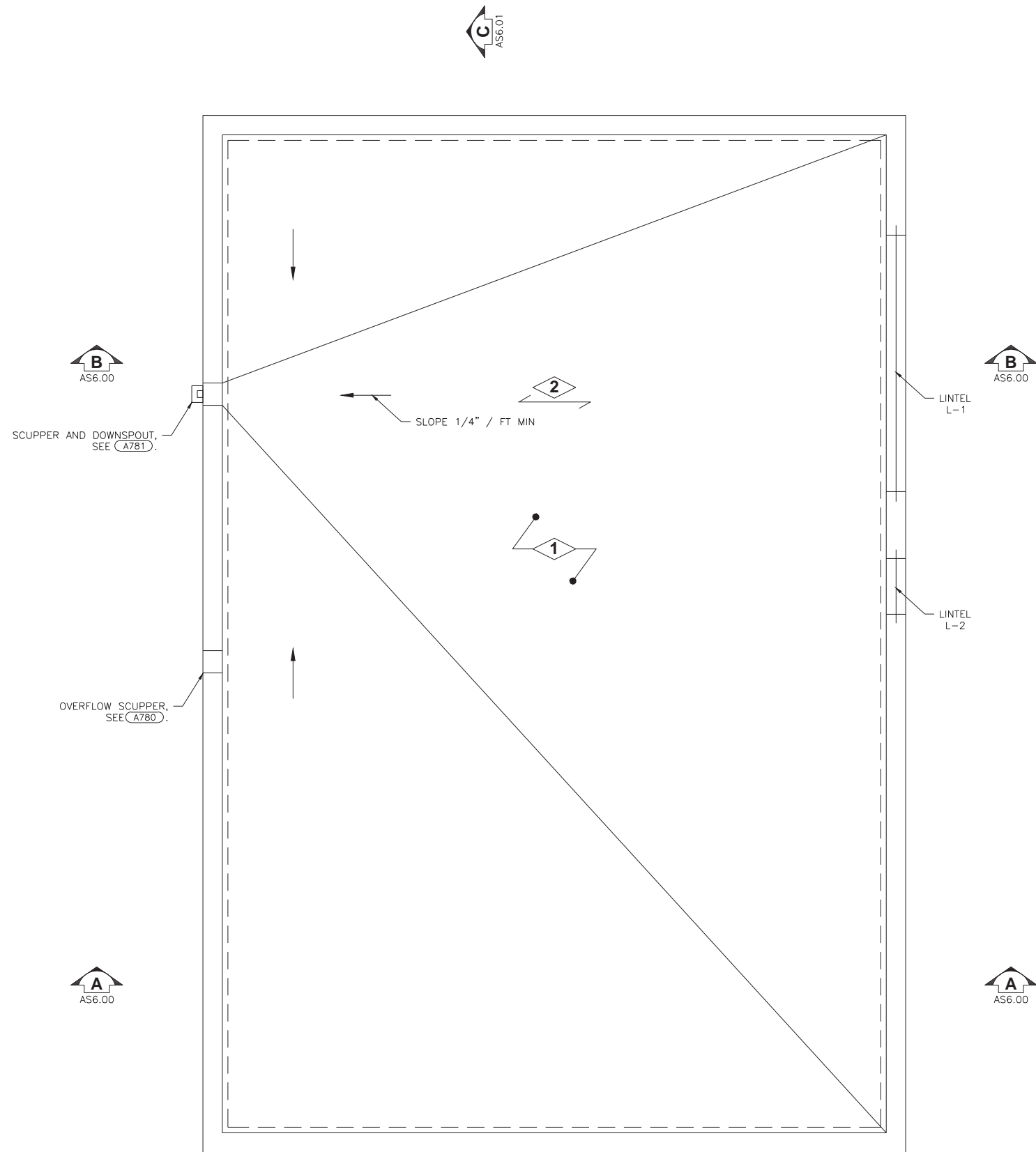
- 1. 2'-0" SQ. x 2'-0" DEEP SUMP, SEE (S339).
- 2. EQUIPMENT PAD, SEE (S342).
- 3. SLOPE CONTAINMENT AREA SLAB TO SUMP 1/4"/FT.
- 4. GUARD POST, SEE (S100).
- 5. FRP STAIRS: 5R@7" = 2'-11", 4T@11" = 3'-8", SEE (S575).
- 6. CONCRETE PEDESTAL: 10'-8"(L) x 5'-5"(W) x 2'-0"(H).
- 7. 17'-4"x4'-0" APPROACH SLAB, SEE (S365).
- 8. 5'-4"x4'-0" DOOR STOOP, SEE (S362).
- 9. SLOPE FLOOR SLAB TO TRENCH DRAIN 1/8"/FT MIN.
- 10. EXISTING 6,000 GALLON STORAGE TANK.
- 11. GROUT CMU WALL SOLID BETWEEN DOORS AND REINFORCE WITH (1) #5 BAR CENTERED IN EACH CORE.
- 12. GROUT FIRST (3) CORES OF CMU WALL SOLID ADJACENT TO OVERHEAD DOOR OPENING AND REINFORCE WITH (1) #5 BAR CENTERED IN EACH CORE.



**FLOOR PLAN**



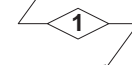
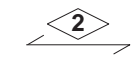
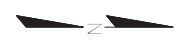
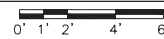
AS6.01

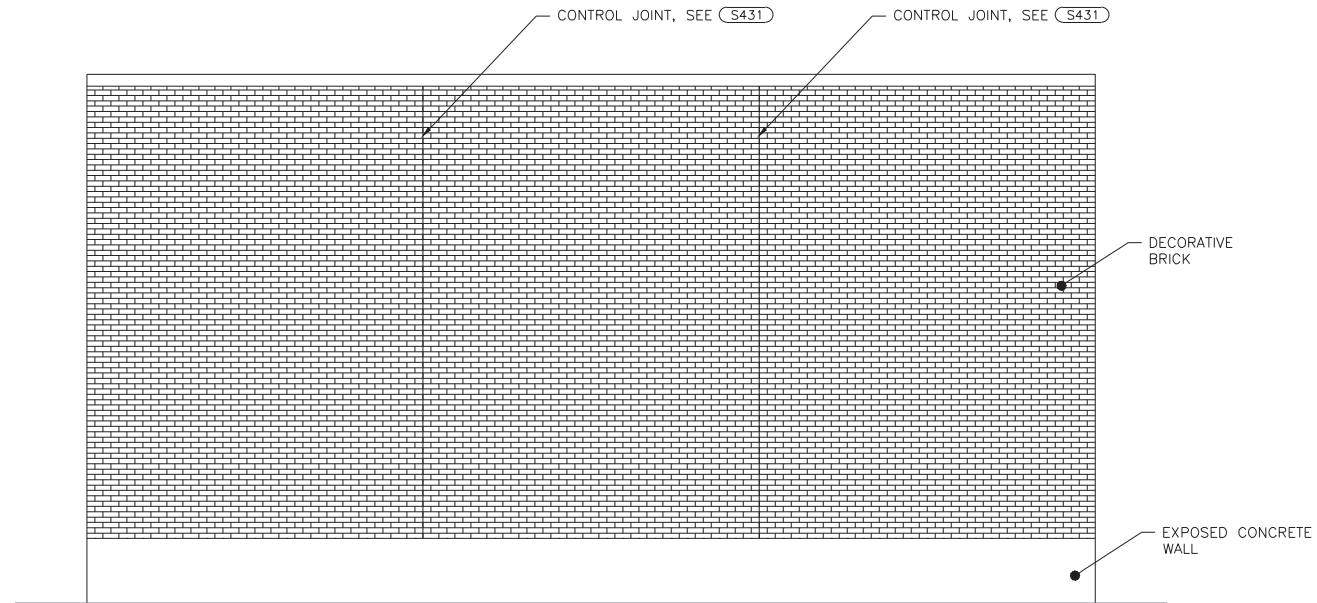


**PLAN NOTES:**

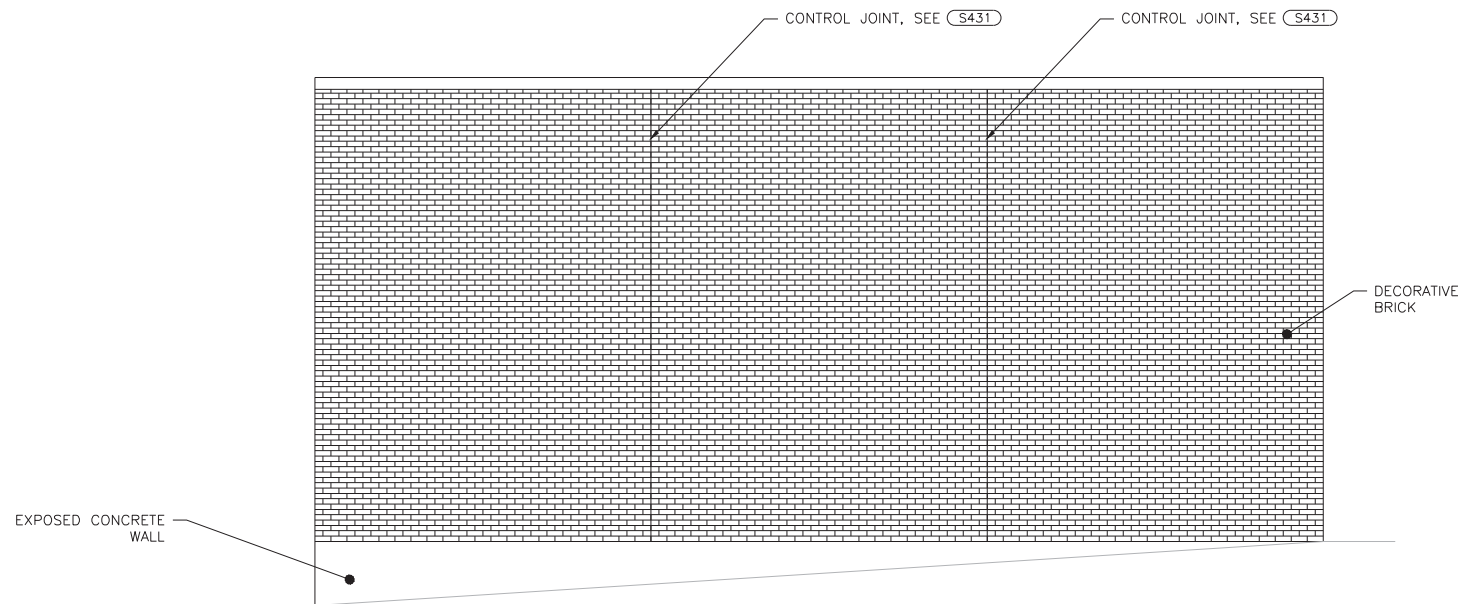
- 1. FULLY ADHERED EPDM MEMBRANE ROOFING OVER TAPERED INSULATION. PROVIDE SADDLES AND CRICKETS AS REQUIRED AT ROOF OPENINGS. MINIMUM INSULATION THICKNESS IS 2".
- 2. 12" PRECAST CONCRETE HOLLOW CORE ROOF PLANK SPAN DIRECTION.

**ROOF PLAN**





**EAST  
ELEVATION**

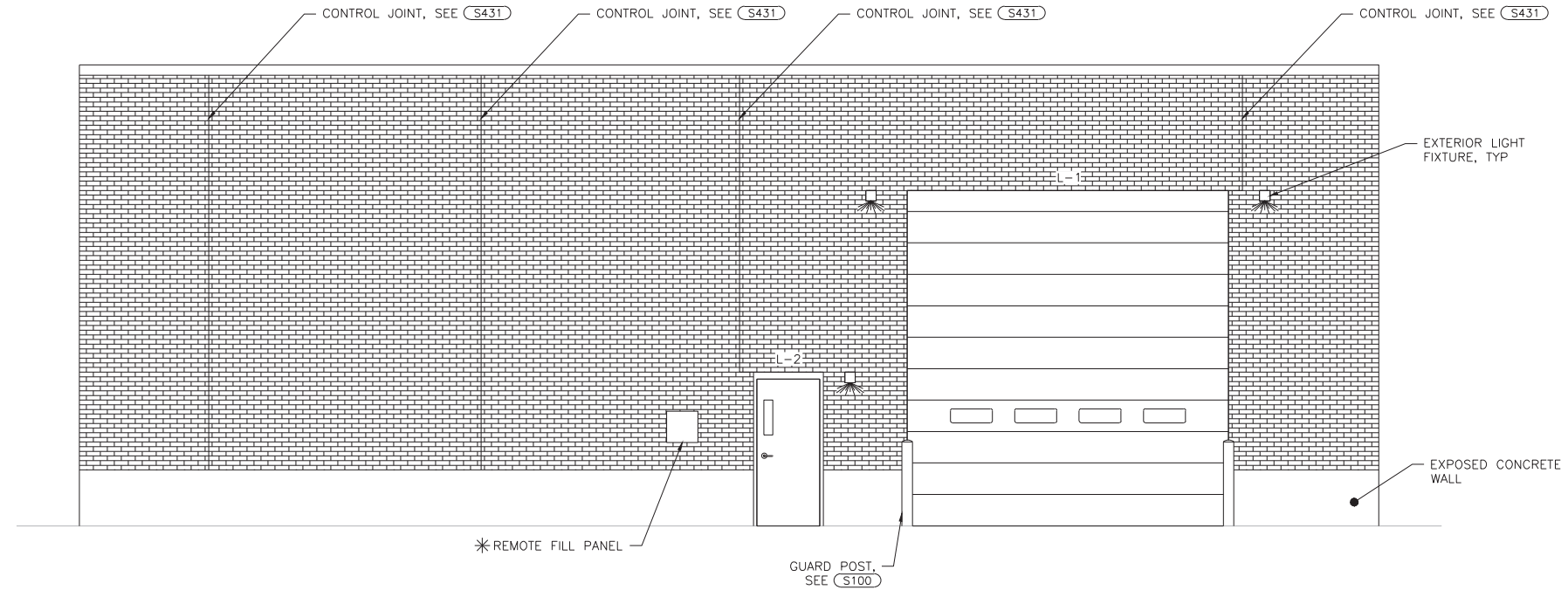


**WEST  
ELEVATION**

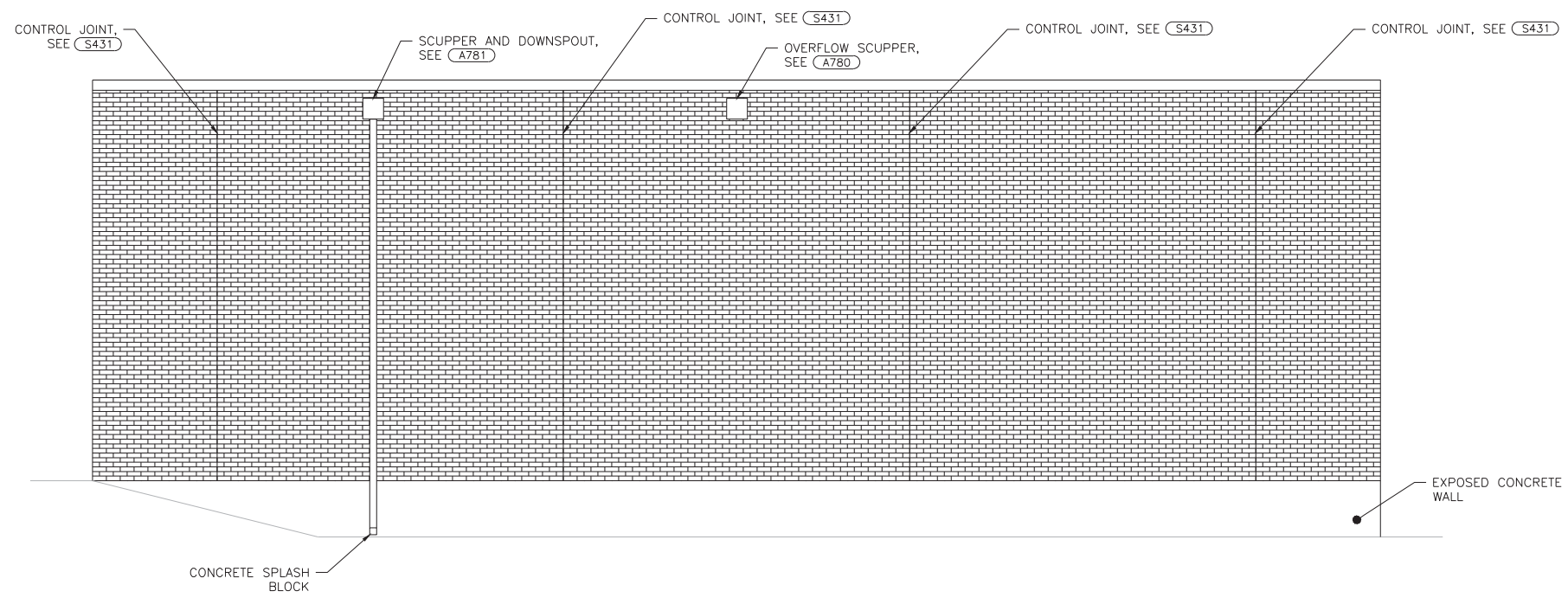


**GENERAL NOTES:**

- 1. \* = EQUIPMENT AND PIPING PROVIDED AND INSTALLED BY OTHERS AND IS NOT INCLUDED IN THE SCOPE OF WORK.

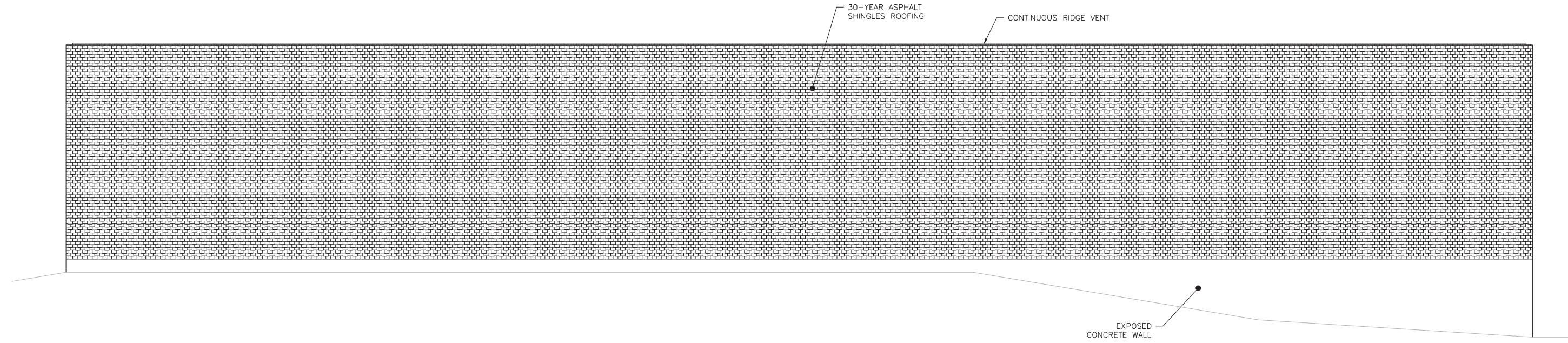


**NORTH ELEVATION**

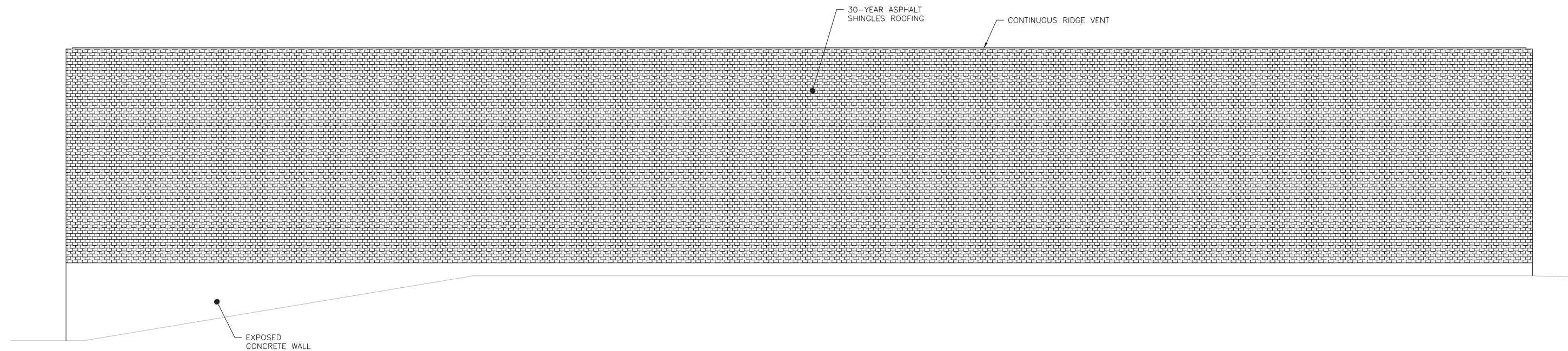


**SOUTH ELEVATION**





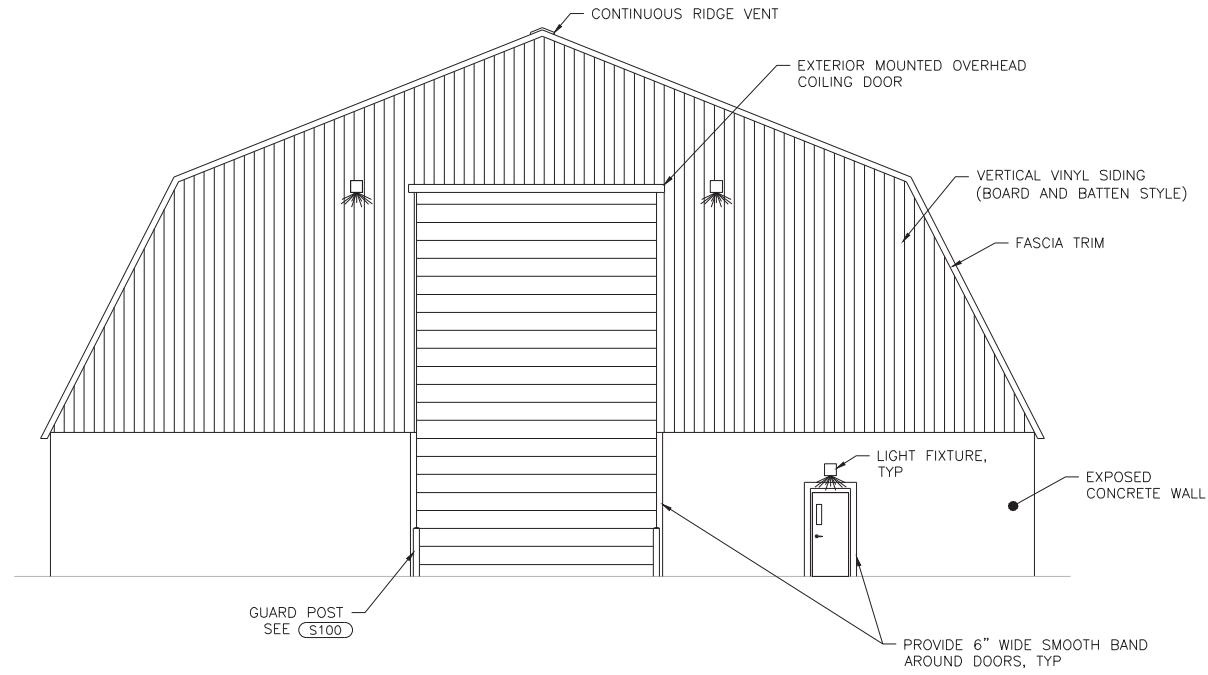
**EAST  
ELEVATION**



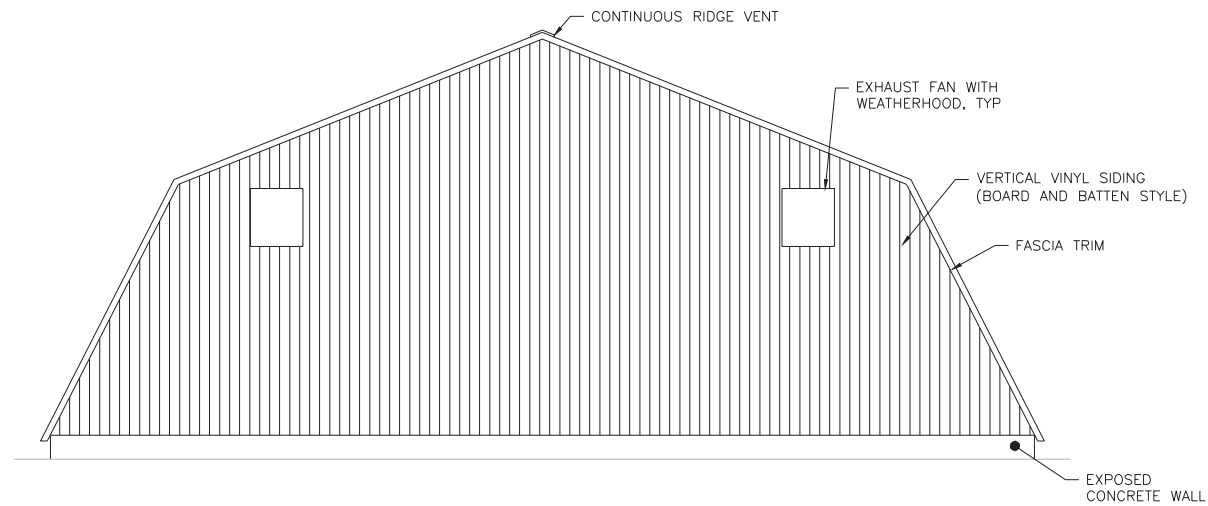
**WEST  
ELEVATION**





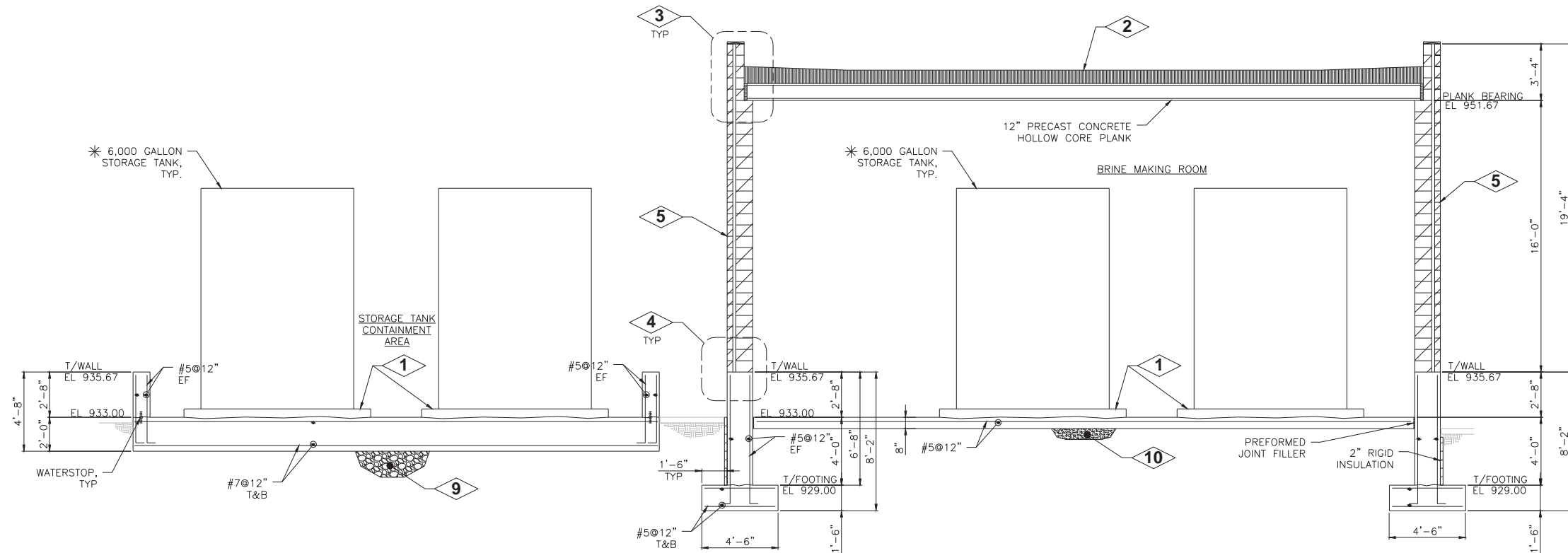


**NORTH ELEVATION**

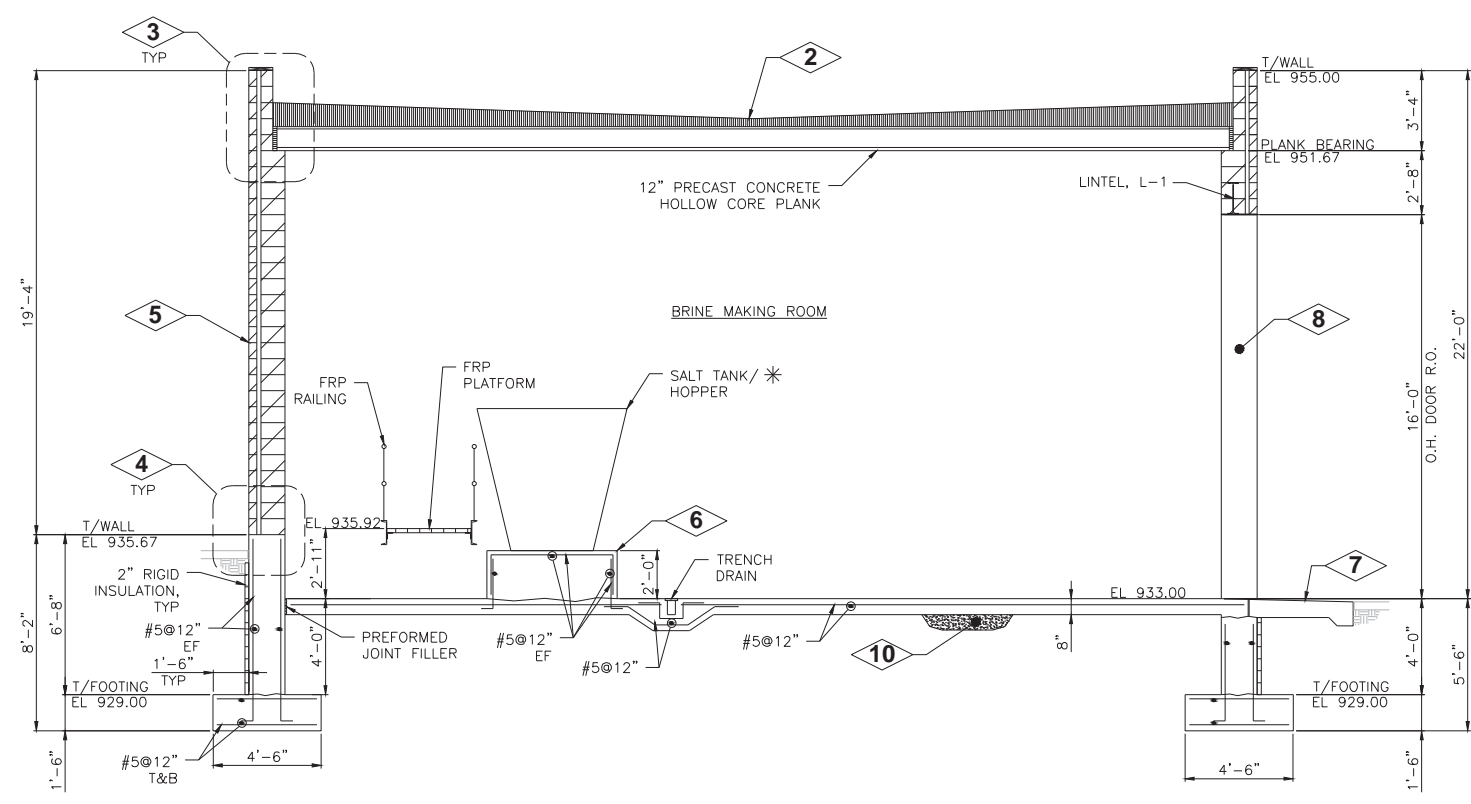


**SOUTH ELEVATION**





**SECTION A**  
AS2.01  
AS2.03  
AS2.04



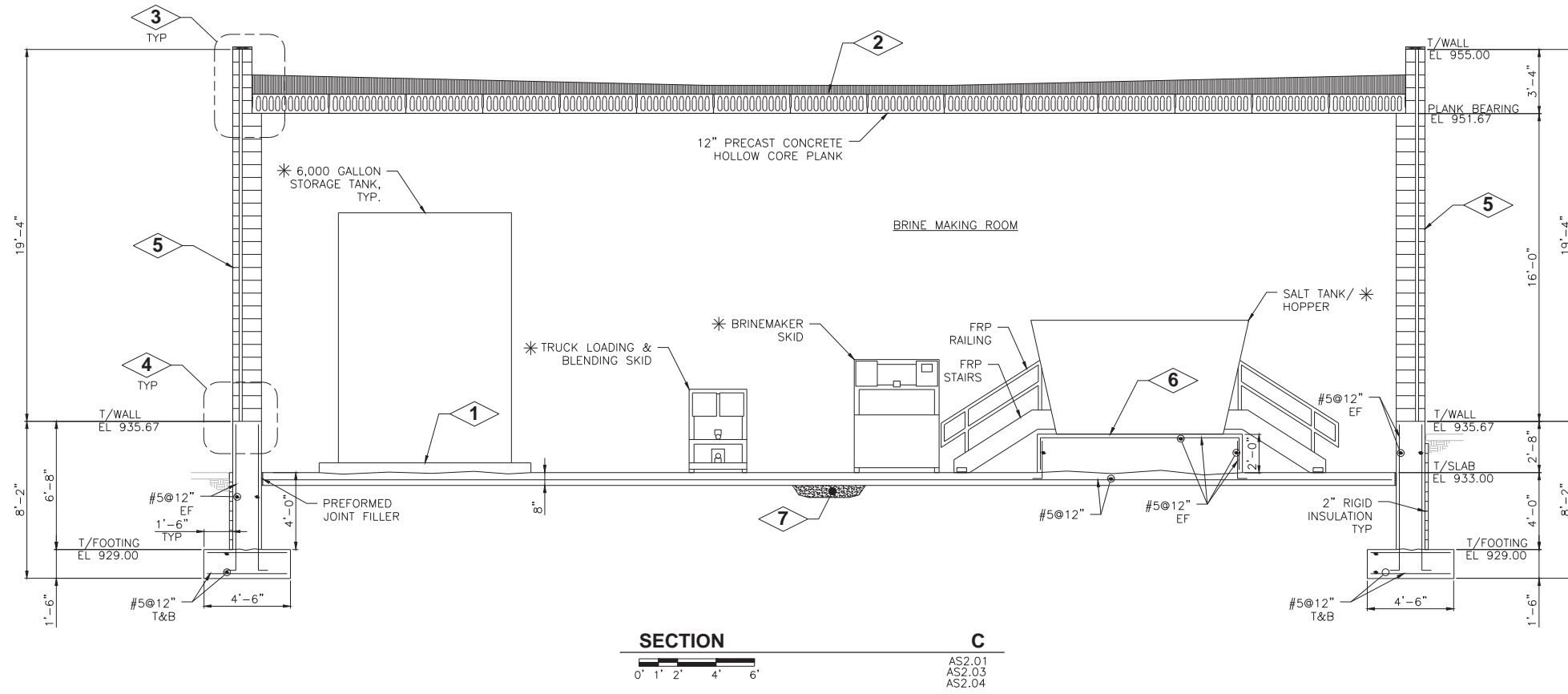
**SECTION B**  
AS2.01  
AS2.03  
AS2.04

**GENERAL NOTES:**

- 1. \* = EQUIPMENT AND PIPING PROVIDED AND INSTALLED BY OTHERS AND IS NOT INCLUDED IN THE SCOPE OF WORK.

**PLAN NOTES:**

- EQUIPMENT PAD, SEE (S342).
- FULLY ADHERED EPDM MEMBRANE ROOFING OVER TAPERED INSULATION. PROVIDE SADDLES AND CRICKETS AS REQUIRED AT ROOF OPENINGS. MINIMUM INSULATION THICKNESS IS 2".
- ROOF EDGE DETAIL, SEE (A432).
- WALL BASE DETAIL, SEE (A402).
- 12" CMU, 2" RIGID INSULATION, 4" DECORATIVE BRICK. SEE PLAN FOR REINFORCEMENT.
- CONCRETE PEDESTAL: 10'-8"(L) x 5'-5"(W) x 2'-0"(H).
- 17'-4"x4'-0" APPROACH SLAB, SEE (S365).
- DOOR JAMB PLATE, SEE (A804).
- PROVIDE 14" THICK BASE COURSE OF AGGREGATE DENSE 3/4" PER WISDOT SPECIFICATION SECTION 305. PROVIDE FILTER FABRIC BELOW BASE AGGREGATE.
- PLACE SLAB-ON-GRADE OVER A 15 MIL POLY VAPOR RETARDER OVER A MINIMUM 4" THICK FREE DRAINING AGGREGATE BASE COURSE.

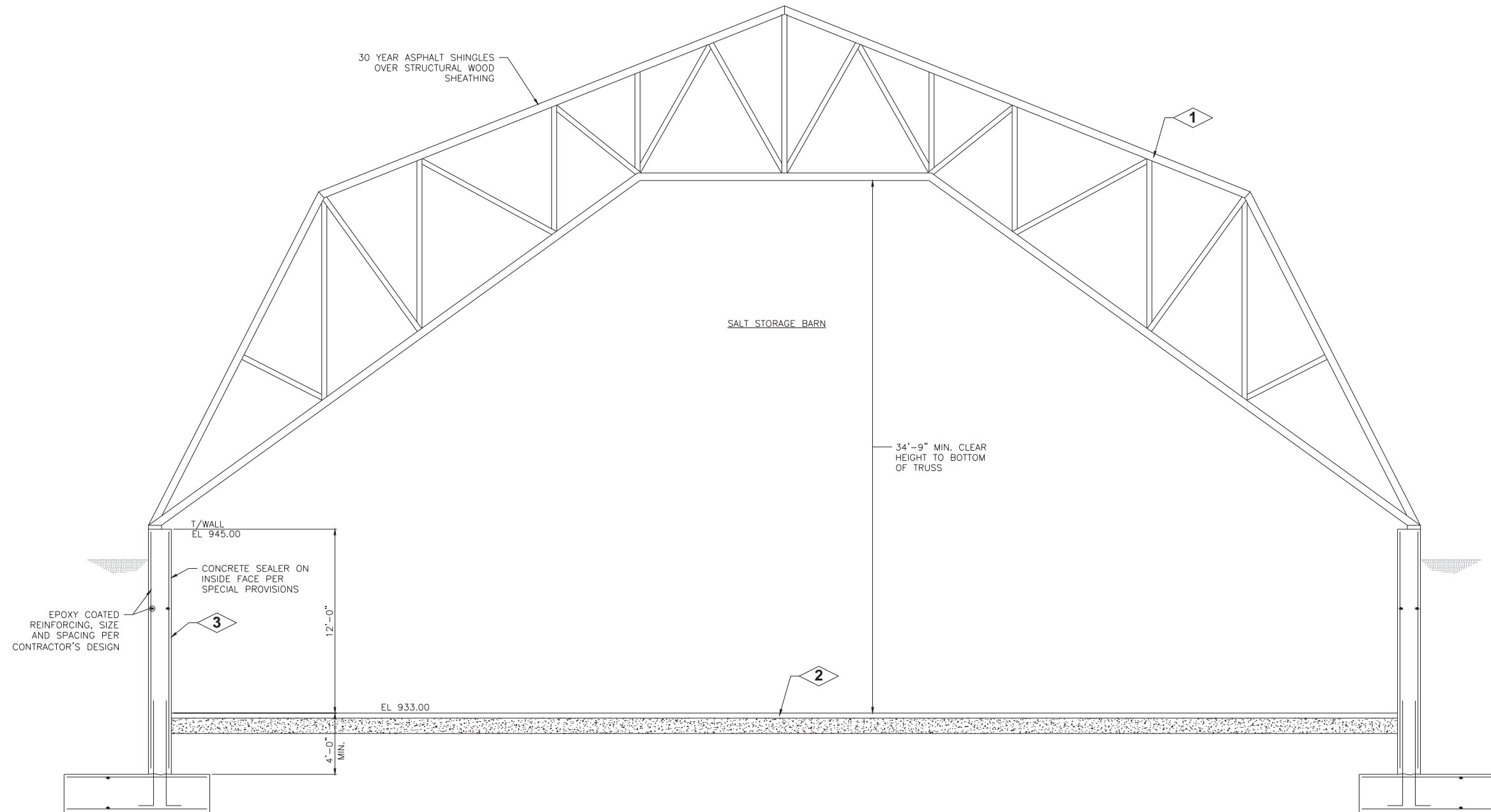


**GENERAL NOTES:**

- 1. \* = EQUIPMENT AND PIPING PROVIDED AND INSTALLED BY OTHERS AND IS NOT INCLUDED IN THE SCOPE OF WORK.

**PLAN NOTES:**

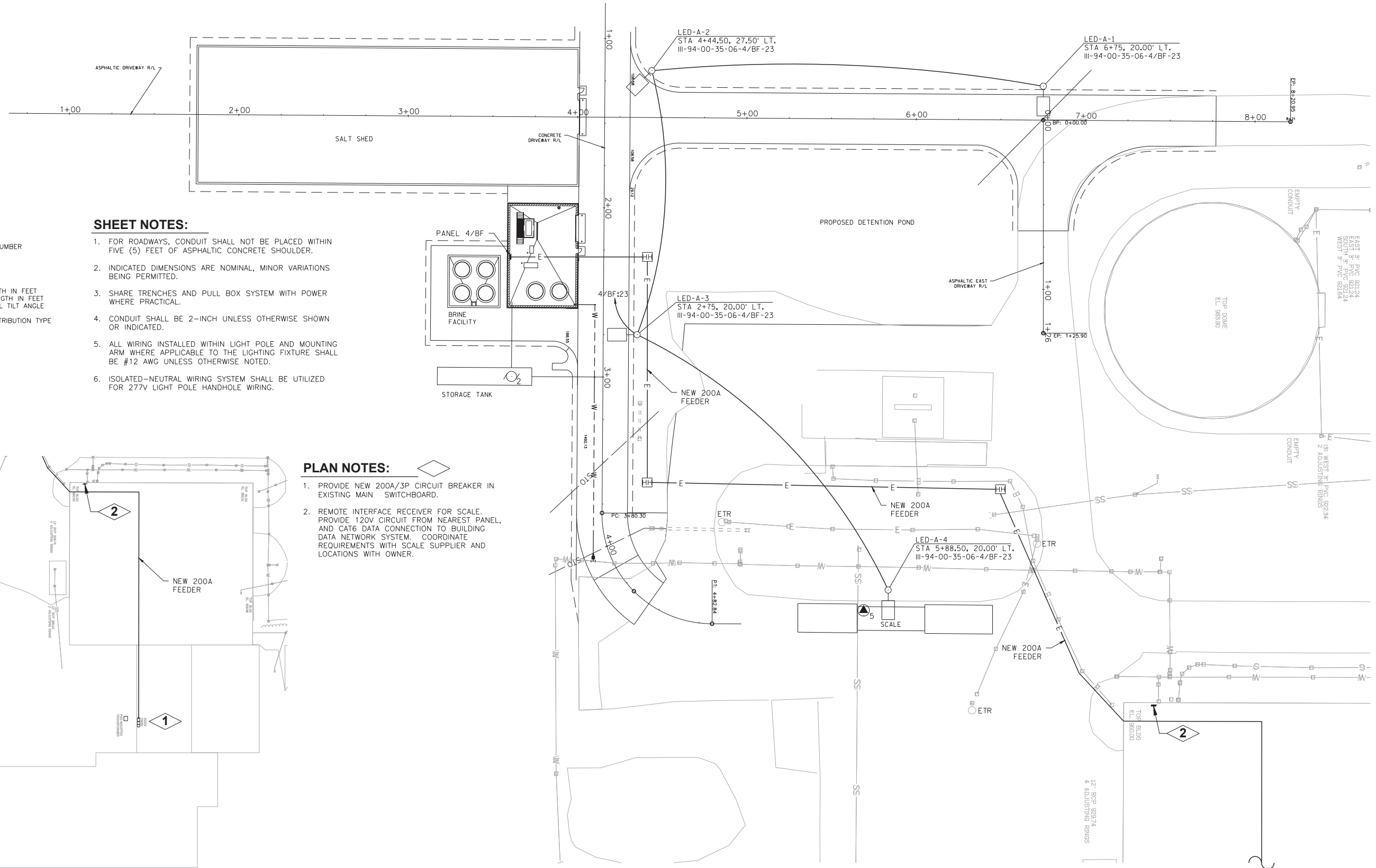
- 1. EQUIPMENT PAD, SEE (S342).
- 2. FULLY ADHERED EPDM MEMBRANE ROOFING OVER TAPERED INSULATION. PROVIDE SADDLES AND CRICKETS AS REQUIRED AT ROOF OPENINGS. MINIMUM INSULATION THICKNESS IS 2".
- 3. ROOF EDGE DETAIL, SEE (A432).
- 4. WALL BASE DETAIL, SEE (A402).
- 5. 12" CMU, 2" RIGID INSULATION, 4" DECORATIVE BRICK. SEE PLAN FOR REINFORCEMENT.
- 6. CONCRETE PEDESTAL: 10'-8"(L) x 5'-5"(W) x 2'-0"(H).
- 7. PLACE SLAB-ON-GRADE OVER A 15 MIL POLY VAPOR RETARDER OVER A MINIMUM 4" THICK FREE DRAINING AGGREGATE BASE COURSE.



**PLAN NOTES:**

- 1. HEAVY TIMBER ROOF TRUSSES SHOWN CONCEPTUALLY. ACTUAL DIMENSIONS AND PROFILE TO BE DESIGNED BY MANUFACTURER. REFER TO SPECIFICATIONS FOR DESIGN REQUIREMENTS.
- 2. FLOOR SLAB TO BE 4" ASPHALT OVER 12" OF 1-1/4" DENSE BASE COURSE.
- 3. WALL AND FOOTING SIZE AND THICKNESS SHOWN CONCEPTUALLY. ACTUAL DIMENSIONS TO BE SIZED IN ACCORDANCE WITH THE CONTRACTOR'S BUILDING DESIGN. SEE SPECIAL PROVISIONS FOR DESIGN CRITERIA.

**SECTION D**  
AS2.02



**LEGEND:**

- X-XX LIGHTING UNIT NUMBER
- XXXX+XX.XX'XX' X' XX-LOCATION
- XXX-XXX-XX-XX-XX-X-XX
- CIRCUIT PANEL
- MAST ARM LENGTH IN FEET
- POLE SHAFT LENGTH IN FEET
- FIXTURE VERTICAL TILT ANGLE
- LAMP WATTAGE
- FIXTURE IES DISTRIBUTION TYPE

**DESIGN CRITERIA:**

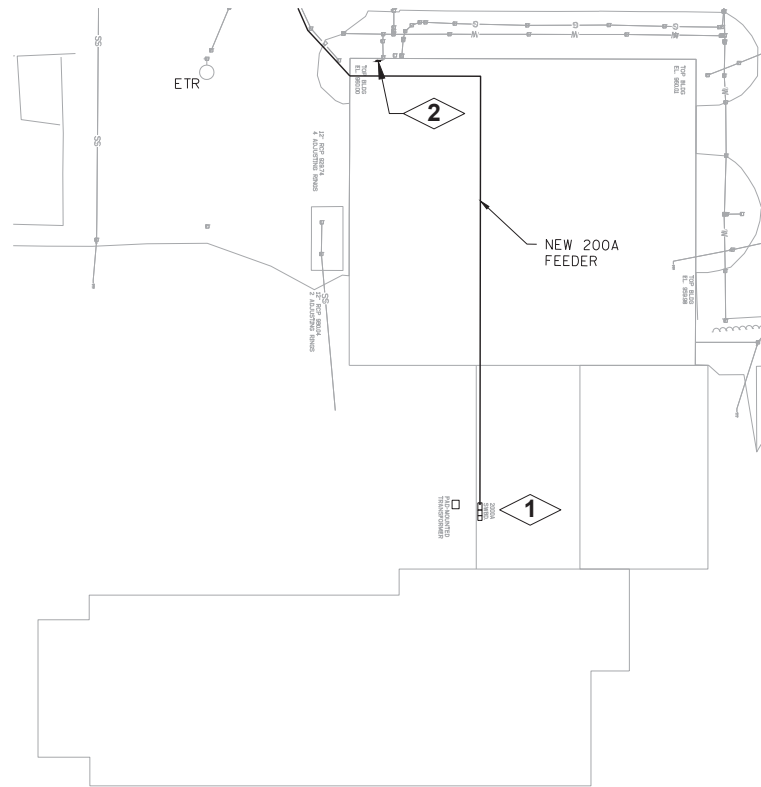
- ROADWAY CLASSIFICATION: LOCAL
- AREA CLASSIFICATION: LOW
- PAVEMENT CLASSIFICATION: R1

**SHEET NOTES:**

1. FOR ROADWAYS, CONDUIT SHALL NOT BE PLACED WITHIN FIVE (5) FEET OF ASPHALTIC CONCRETE SHOULDER.
2. INDICATED DIMENSIONS ARE NOMINAL, MINOR VARIATIONS BEING PERMITTED.
3. SHARE TRENCHES AND PULL BOX SYSTEM WITH POWER WHERE PRACTICAL.
4. CONDUIT SHALL BE 2-INCH UNLESS OTHERWISE SHOWN OR INDICATED.
5. ALL WIRING INSTALLED WITHIN LIGHT POLE AND MOUNTING ARM WHERE APPLICABLE TO THE LIGHTING FIXTURE SHALL BE #12 AWG UNLESS OTHERWISE NOTED.
6. ISOLATED-NEUTRAL WIRING SYSTEM SHALL BE UTILIZED FOR 277V LIGHT POLE HANDHOLE WIRING.

**PLAN NOTES:**

1. PROVIDE NEW 200A/3P CIRCUIT BREAKER IN EXISTING MAIN SWITCHBOARD.
2. REMOTE INTERFACE RECEIVER FOR SCALE. PROVIDE 120V CIRCUIT FROM NEAREST PANEL, AND CAT6 DATA CONNECTION TO BUILDING DATA NETWORK SYSTEM. COORDINATE REQUIREMENTS WITH SCALE SUPPLIER AND LOCATIONS WITH OWNER.



**HIGHWAY OPERATIONS BUILDING PLAN**

0' 15' 30' 60' 120'

**SITE PLAN**

0' 7' 6" 15' 30' 60'

FOR CONTINUATION SEE BUILDING PLAN AT LEFT

### LIGHTING FIXTURE SCHEDULE

| FIXT. | DESCRIPTION                                                      | LAMPING |                           |           | VOLT | MANUFACTURER                                    | CATALOG NUMBER                                                                                                                       | MOUNTING                                                                 | SEE NOTE |
|-------|------------------------------------------------------------------|---------|---------------------------|-----------|------|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|----------|
|       |                                                                  | NO.     | TYPE                      | INPUT     |      |                                                 |                                                                                                                                      |                                                                          |          |
| A     | 2 PENDANT MOUNT FIXTURE                                          | -       | 4,000 LUMEN, 4000K LED    | 40W       | 277V | LITHONIA                                        | DMW2L24-400LM-ACL-MD-277-40K-PMP4X-STSL                                                                                              | PENDANT MOUNTED 15' AFF                                                  | 4        |
| B     | 4 PENDANT MOUNT FIXTURE                                          | -       | 12,000 LUMEN, 4000K LED   | 107W      | 277V | LITHONIA                                        | VAP-12000LM-PCL-MD-277-40K-STSL-CMB                                                                                                  | PENDANT MOUNTED - SEE PLAN                                               | 4        |
| EX1   | EXTERIOR WALL MOUNT FIXTURE                                      | -       | 7,924 LUMEN, 4000K LED    | 69W       | 277V | LITHONIA                                        | CSXW-LED-30C-700-40K-T4M-MVOLT-DOBXD                                                                                                 | WALL AT ELEVATION NOTED ON PLAN                                          |          |
| EX2   | EXTERIOR WALL MOUNT FIXTURE                                      | -       | 11,735 LUMEN, 4000K LED   | 104W      | 277V | LITHONIA                                        | CSXW-LED-30C-1000-40K-T4M-MVOLT-DOBXD                                                                                                | WALL AT ELEVATION NOTED ON PLAN                                          |          |
| LED-A | DOT STANDARD UTILITY LED-A FIXTURE DISTRIBUTION TYPE III ROADWAY | -       | 4000K LED                 | 72 - 113W | 277V | COOPER LIGHTING (STREETWORKS)<br>CREE<br>LEOTEK | NVN-AE-02-D-VOLT-T3R-700-10K-4N7-AP-WISD<br>STR-LWY-3M-HT-05-E-UL-SV-700-40K-7PIN-UTL<br>GC1-40F-MV-ANW-3-GY-700-PCR7-WL-WISDOT-A-SC | 35' POLE WITH 6' MAST ARM AND TRANSFORMER BASE, MOUNTED ON CONCRETE BASE | 6, 7     |
| EBU-1 | EMERGENCY BATTERY UNIT                                           | 2       | 1.9W, 9.6V LED LAMP HEADS | 2.7W      | 277V | LITHONIA                                        | WLTU-LED / ELA-T-QWP-L0309                                                                                                           | WALL MOUNTED 7'-6" AFF                                                   | 5        |
| X1    | NEMA 4X EXIT SIGN                                                | -       | LED                       | 3.3W      | 277V | LITHONIA                                        | LV-S-W-1-R-120/277-EL-N-4X                                                                                                           | WALL MOUNTED ABOVE DOOR                                                  | 1,2,3    |

**REMARKS:**  
 A. CONTRACTOR SHALL CONFIRM CEILING TYPE REQUIREMENTS PRIOR TO THE RELEASE OF THE ORDER.  
 B. CATALOG NUMBERS ARE TO PROVIDE GUIDANCE ONLY AND MAY NOT BE COMPLETE.  
 C. FIXTURES SPECIFIED TO MEET DESIGN INTENT. EQUALS MAY BE SUBSTITUTED SUBJECT TO DESIGN TEAM'S APPROVAL.  
 D. PROVIDE ALL PARTS AND PIECES NECESSARY FOR A COMPLETE AND FUNCTIONAL INSTALLATION.  
 E. ARCHITECT TO DETERMINE ALL FINISHES.

**NOTES:**  
 1. FIELD SELECTABLE CHEVRONS SHALL BE APPLIED OR INSTALLED/REMOVED AS INDICATED ON PLANS AND AS REQUIRED BY ALL GOVERNING CODES.  
 2. PROVIDE NUMBER OF FACES AS INDICATED ON PLANS AND AS REQUIRED BY ALL GOVERNING CODES.  
 3. ALL EXIT SIGNS MUST MEET ALL CITY, STATE, AND NATIONAL CODES INCLUDING BUT NOT LIMITED TO IBC 1011 AND ANSI-A117.1 SEC 703.  
 4. PROVIDE CHAIN ACCESSORY OR STEMS IN LENGTH NECESSARY TO ACCOMMODATE MOUNTING HEIGHTS AS INDICATED.  
 5. TWIN LED WEATHER-PROOF REMOTE HEAD.  
 6. INCLUDE W6SDOT CATEGORY LABEL.  
 7. FIXTURE EQUALS ALSO INCLUDE AMERICAN ELECTRIC LIGHTING (AEL) AND PHILLIPS.

### SPECIAL PURPOSE OUTLET SCHEDULE

| MARK | TO FEED                            | LOCATION         | KW  | FLA | VOLT | PH  | FEED FROM |     | BREAKER |      | TYPE  |        |                   | SEE NOTE |
|------|------------------------------------|------------------|-----|-----|------|-----|-----------|-----|---------|------|-------|--------|-------------------|----------|
|      |                                    |                  |     |     |      |     | PANEL     | CKT | SIZE    | POLE | RECPT | DIRECT | OTHER             |          |
| 1    | BRINEMAKER SKID                    | BRINE MAKING RM. | 24  | 208 | 3    | 2BF | 2,4,6     | 30  | 3       | X    |       |        | 1,3,5,6,7,8,10,11 |          |
| 2    | TRUCK LOADING & BLENDING SKID      | BRINE MAKING RM. | 48  | 208 | 3    | 2BF | 8,10,12   | 60  | 3       | X    |       |        | 2,3,7,8,9         |          |
| 3    | REMOTE TRUCK LOADING STATION (HMI) | OUTSIDE          | -   | 24  | -    | -   | -         | -   | -       |      | X     |        | 4                 |          |
| 4    | ELECTRIC WATER HEATER WH-1         | BRINE MAKING RM. | 2.5 | 9.0 | 277  | 1   | 4BF       | 14  | 15      | 1    |       | X      |                   |          |
| 5    | REMOTE TRUCK SCALE                 | OUTSIDE          | -   | -   | 120  | 1   | 2BF       | 11  | 20      | 1    |       | X      |                   |          |

**NOTES:**  
 1. 30A, 3 PHASE RECEPTACLE FURNISHED BY CARGILL, INSTALLED AND WIRED BY E.C. PROVIDE 6"X6"X4" JUNCTION BOX.  
 2. 100A, 3 PHASE RECEPTACLE FURNISHED BY CARGILL, INSTALLED AND WIRED BY E.C. PROVIDE 6"X6"X4" JUNCTION BOX.  
 3. LOCATE WITHIN 5 FT. OF THE CONTROL PANEL ELECTRICAL ENCLOSURE LOCATION.  
 4. PROVIDE 3/4" CONDUIT FROM REMOTE TRUCK FILL STATION TO THE TRUCK LOADING & BLENDING SKID. WIRING BY CARGILL.  
 5. PROVIDE 3/4" CONDUIT FROM BRINEMAKER SKID CONTROL PANEL TO SALT TANK PRESSURE TRANSMITTER (PT). WIRING BY CARGILL.  
 6. PROVIDE 3/4" CONDUIT FROM BRINEMAKER SKID CONTROL PANEL TO EACH BRINE STORAGE TANK PRESSURE TRANSMITTER (PT). WIRING BY CARGILL.  
 7. PROVIDE 3/4" CONDUIT FROM TRUCK FILL SKID BRINE FLOWMETER TO BRINEMAKER SKID - PLC/HMI PANEL. WIRING BY CARGILL.  
 8. PROVIDE 3/4" CONDUIT FROM TRUCK FILL SKID BLENDING SKID TO BRINEMAKER SKID. WIRING BY CARGILL.  
 9. PROVIDE 3/4" CONDUIT FROM TRUCK LOADING/BLENDING SKID JUNCTION PANEL TO EACH ADDITIVE STORAGE TANK PRESSURE TRANSMITTER (PT). WIRING BY CARGILL.  
 10. PROVIDE 1" CONDUIT FROM BRINEMAKER SKID CONTROL PANEL TO RECYCLE WATER STORAGE TANK PRESSURE TRANSMITTER. WIRING BY CARGILL.  
 11. PROVIDE 3/4" CONDUIT FROM BRINEMAKER SKID TO RECYCLE WATER CONTROL PANEL. WIRING BY CARGILL.

### MOTOR WIRING SCHEDULE

| NO. | DRIVING                      | LOC.         | HP    | FLA  | VOLT | PH. | FEED FROM |          | BREAKER |      | STARTER   |           | DISCONNECT |         | SEE NOTE |
|-----|------------------------------|--------------|-------|------|------|-----|-----------|----------|---------|------|-----------|-----------|------------|---------|----------|
|     |                              |              |       |      |      |     | PANEL     | CIRCUIT  | SIZE    | POLE | TYPE      | LOC.      | TYPE       | LOC.    |          |
| 1   | RECYCLE WATER PUMP           | BRINE RM.    | 5     | 17.5 | 208  | 3   | 2BF       | 14,16,18 | 30      | 3    | COMB. MAG | BRINE RM. | FUSIBLE    | IN STR. |          |
| 2   | SUBMERSIBLE PUMP             | STORAGE TANK | 7 1/2 | 25.3 | 208  | 3   | 2BF       | 20,22,24 | 50      | 3    | COMB. MAG | BRINE RM. | FUSIBLE    | IN STR. |          |
| 3   | OVERHEAD DOOR MOTOR          | BRINE RM.    | 1 1/2 | 3    | 480  | 3   | 4BF       | 1,3,5    | 15      | 3    | COMB. MAG | BRINE RM. | FUSIBLE    | IN STR. |          |
| 4   | OVERHEAD DOOR MOTOR          | SALT STORAGE | 1 1/2 | 3    | 480  | 3   | 4BF       | 7,9,11   | 15      | 3    | COMB. MAG | SALT BARN | FUSIBLE    | IN STR. |          |
| 5   | EXHAUST FAN EF-01            | SALT STORAGE | 1     | 2.1  | 480  | 3   | 4BF       | 2,4,6    | 15      | 3    | COMB. MAG | SALT BARN | FUSIBLE    | IN STR. |          |
| 6   | EXHAUST FAN EF-02            | SALT STORAGE | 1     | 2.1  | 480  | 3   | 4BF       | 8,10,12  | 15      | 3    | COMB. MAG | SALT BARN | FUSIBLE    | IN STR. |          |
| 7   | GAS FIRED UNIT HEATER GUH-01 | BRINE RM.    | 1/8   | 3.8  | 120  | 1   | 2BF       | 13       | 15      | 1    |           | BRINE RM. | TOGGLE     | N.U.    |          |
| 8   | GAS FIRED UNIT HEATER GUH-02 | BRINE RM.    | 1/8   | 3.8  | 120  | 1   | 2BF       | 15       | 15      | 1    |           | BRINE RM. | TOGGLE     | N.U.    |          |
| 9   | GAS FIRED UNIT HEATER GUH-03 | BRINE RM.    | 1/8   | 3.8  | 120  | 1   | 2BF       | 17       | 15      | 1    |           | BRINE RM. | TOGGLE     | N.U.    |          |

**REMARKS:**  
 A.

**NOTES:**

### GENERAL NOTES

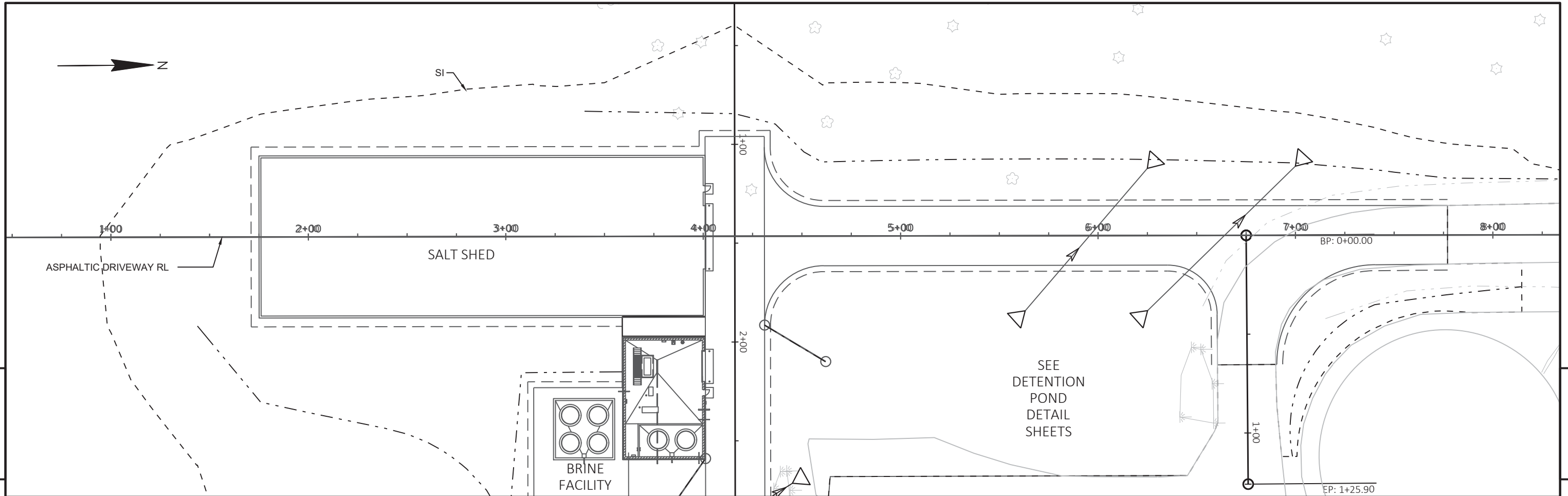
- DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL REQUIRED COMPONENTS FOR A COMPLETE INSTALLATION. CONTRACTOR SHALL FURNISH AND INSTALL MATERIAL, EQUIPMENT, DEVICES, FIXTURES, SERVICE REQUIREMENTS NECESSARY TO CONFORM TO THE STRUCTURE, EQUIPMENT CONNECTIONS, FOR A COMPLETE AND FUNCTIONAL INSTALLATION AND SHALL MAINTAIN APPROPRIATE CLEARANCES.
- ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, LOCAL CODES, FEDERAL AND STATE REGULATIONS, AND ALL REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION.
- CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE FULL EXTENT OF WORK AND PROJECT CONDITIONS. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF THE OBLIGATIONS OF THE CONTRACT.
- THE CONTRACTOR SHALL CHECK ALL DRAWINGS AND SPECIFICATIONS OF OTHER TRADES AND INCLUDE IN THEIR BID ANY ADDITIONAL WORK REQUIRED BY THIS TRADE.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL LIGHT SWITCHES, POWER, AND COMMUNICATIONS OUTLETS. ALL OUTLETS SHALL BE MOUNTED VERTICALLY UNLESS OTHERWISE NOTED. COORDINATE ALL FINAL DEVICE REQUIREMENTS WITH ARCHITECT PRIOR TO INSTALLATION.
- ALL CONDUITS SHOULD BE SUPPORTED IN COMPLIANCE WITH CODE REQUIREMENTS AND INSTALLED IN A MANNER AS TO AFFORD MINIMUM INTERFERENCE WITH OTHER TRADES. ALL CONDUITS ABOVE CEILING SHALL BE RIGIDLY SUPPORTED BY SUITABLE HANGERS FROM THE STRUCTURAL SLAB DECK OR FRAMING ABOVE INDEPENDENT OF THE CEILING, CEILING SUPPORT SYSTEM AND OTHER TRADE COMPONENTS. ALL CONDUITS SHALL BE CONCEALED UNLESS OTHERWISE NOTED ON DRAWINGS.
- FIRE RATED SEALS SHALL BE PROVIDED FOR ALL CONDUIT PENETRATIONS THROUGH FIRE RATED FLOORS, WALLS, AND CEILINGS.
- CONTRACTOR SHALL VERIFY ALL EQUIPMENT CONNECTION CONFIGURATIONS BEFORE PURCHASE. ALL DEVICES SHOWN ARE FOR REFERENCE ONLY, TO COMMUNICATE DESIGN INTENT, FINAL LOCATIONS SHALL BE VERIFIED PRIOR TO INSTALLATION. THIS NOTE SHALL APPLY TO, BUT NOT BE LIMITED TO, RECEPTACLES, SWITCHES, DATA PORTS, AUDIO/VIDEO DEVICES, AND TELEPHONE JACKS.
- THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL ABOVE CEILING REQUIREMENTS (PLENUM, NON-PLENUM, AIR HANDLING, ETC.) AS REQUIRED BY LOCAL AUTHORITY BEFORE THE INSTALLATION AND PURCHASE OF ELECTRICAL EQUIPMENT, MATERIALS AND DEVICES, WIRING, CABLING, AND THE ORDERING OF LIGHTING FIXTURES.
- CONDUCTOR SIZES INDICATED ARE MINIMUM SIZES BASED ON 75°C COPPER CONDUCTOR. AMPACITIES OF CONDUCTORS DO NOT TAKE VOLTAGE DROP INTO CONSIDERATION. CONTRACTOR SHALL SIZE CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS TO PREVENT A VOLTAGE DROP EXCEEDING 3 PERCENT AT THE FARTHEST OUTLET OF POWER, HEATING, AND LIGHTING LOADS, OR COMBINATION OF SUCH LOADS, AND WHERE THE MAXIMUM TOTAL VOLTAGE DROP ON BOTH FEEDERS AND BRANCH CIRCUITS TO THE FARTHEST OUTLET DOES NOT EXCEED 5 PERCENT, TO PROVIDE REASONABLE EFFICIENCY OF OPERATION.

### LEGEND

|  |                                       |
|--|---------------------------------------|
|  | DUPLEX RECEPTACLE                     |
|  | DUPLEX RECEPTACLE AT HEIGHT INDICATED |
|  | DOUBLE DUPLEX RECEPTACLE              |
|  | SPECIAL PURPOSE OUTLET                |
|  | SURFACE MOUNT PANEL                   |
|  | COMBINATION STARTER                   |
|  | MOTOR                                 |
|  | SWITCH                                |
|  | EXTERIOR MOUNTED PHOTOELECTRIC SWITCH |
|  | 2' PENDANT FIXTURE                    |
|  | 4' PENDANT FIXTURE                    |
|  | WALL MOUNTED FIXTURE                  |
|  | SINGLE FACE EXIT SIGN                 |
|  | EMERGENCY BATTERY UNIT                |
|  | PRESSURE TRANSMITTER                  |
|  | SINGLE HEAD POLE MOUNT LUMINAIRE      |
|  | HAND HOLE                             |

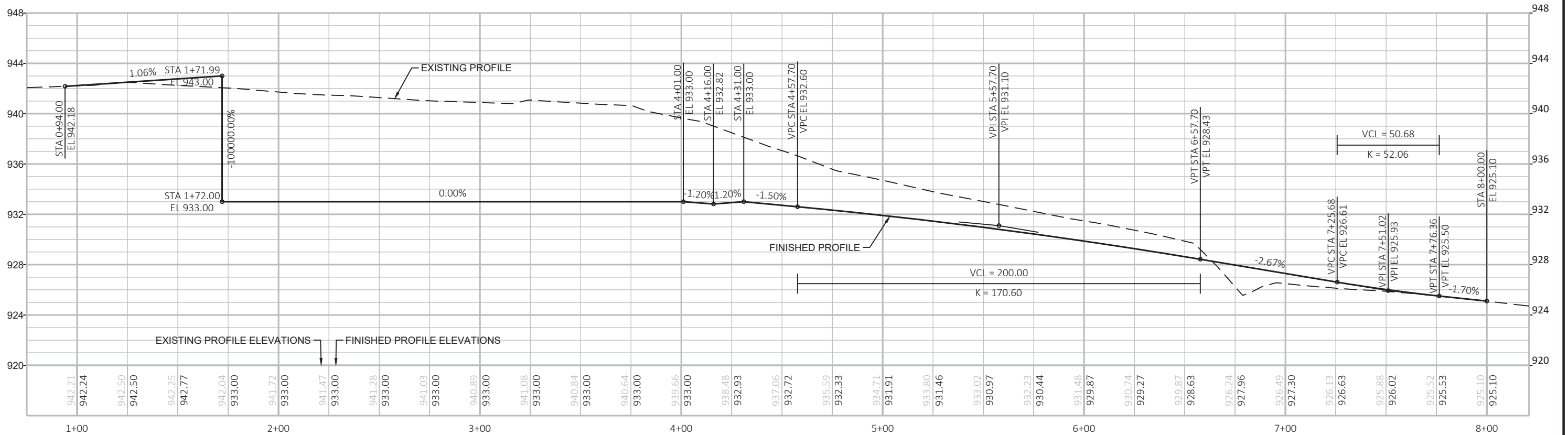
### ABBREVIATIONS

|        |                            |
|--------|----------------------------|
| AFF    | ABOVE FINISHED FLOOR       |
| CKT    | CIRCUIT                    |
| COMB   | COMBINATION                |
| EC     | ELECTRICAL CONTRACTOR      |
| FLA    | FULL LOAD AMPS             |
| FVNR   | FULL VOLTAGE NON-REVERSING |
| GA     | GUAGE                      |
| HP     | HORSEPOWER                 |
| K      | KILOWATT                   |
| MAG    | MAGNETIC                   |
| MTR    | MOTOR                      |
| NU     | NEAR UNIT                  |
| PC     | PHOTOCCELL                 |
| PH     | PHASE                      |
| RECEPT | RECEPTACLE                 |
| SPO    | SPECIAL PURPOSE OUTLET     |
| STR    | STARTER                    |
| PT     | PRESSURE TRANSMITTER       |
| WH     | WATER HEATER               |

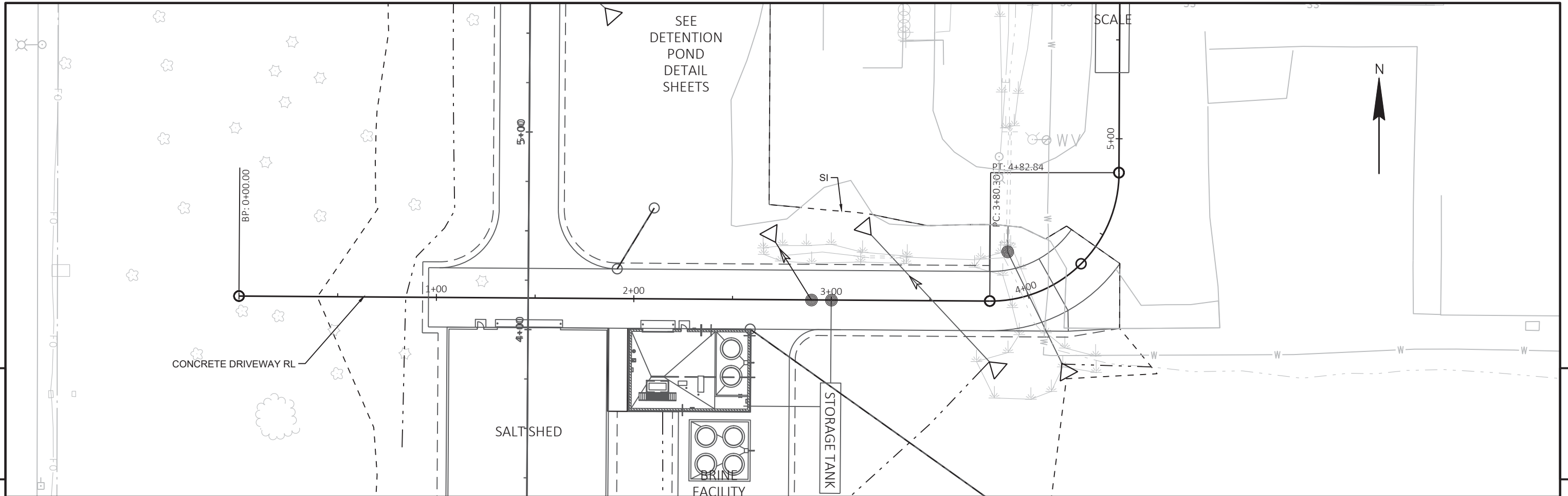


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| PROJECT NO: 1060-62-70 | HWY: IH-94 | COUNTY: WAUKESHA | PLAN AND PROFILE: ASPHALTIC DRIVEWAY | SHEET | E |
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PROJECT NO: 1060-62-70

HWY: IH-94

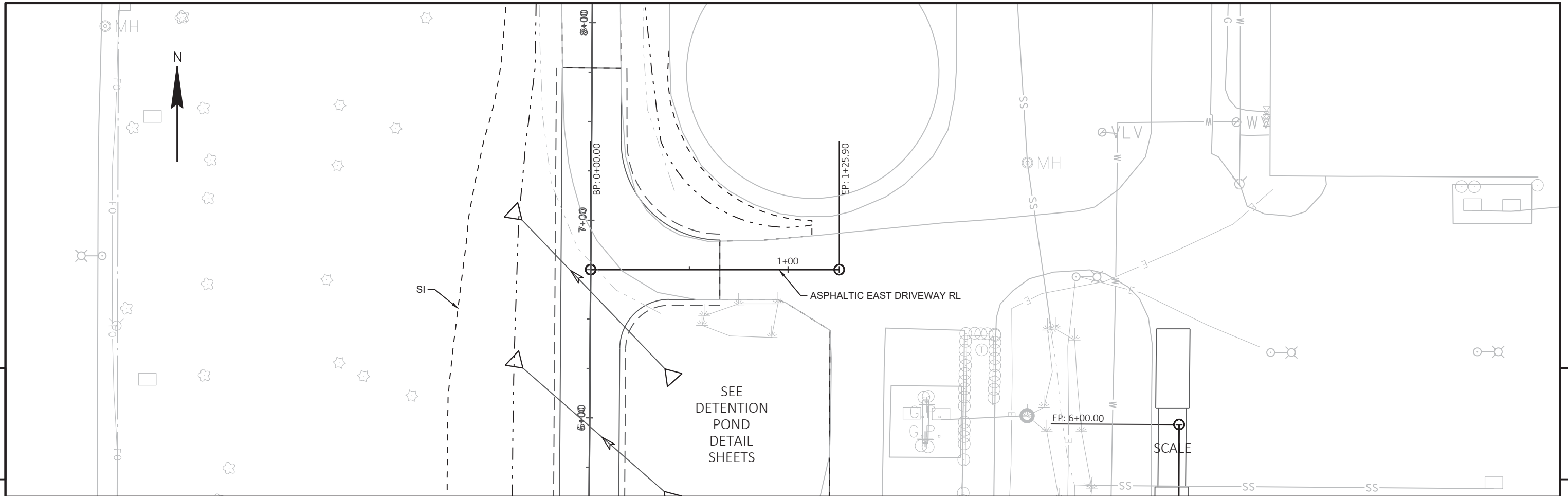
COUNTY: WAUKESHA

PLAN AND PROFILE: CONCRETE DRIVEWAY

SHEET

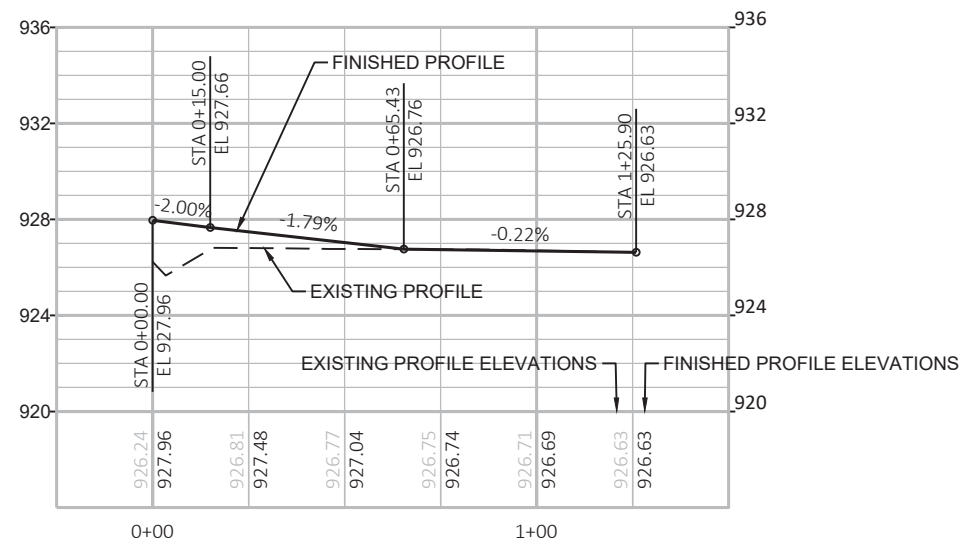
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PROJECT NO: 1060-62-70

HWY: IH-94

COUNTY: WAUKESHA

PLAN AND PROFILE: ASPHALTIC EAST DRIVEWAY

SHEET

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