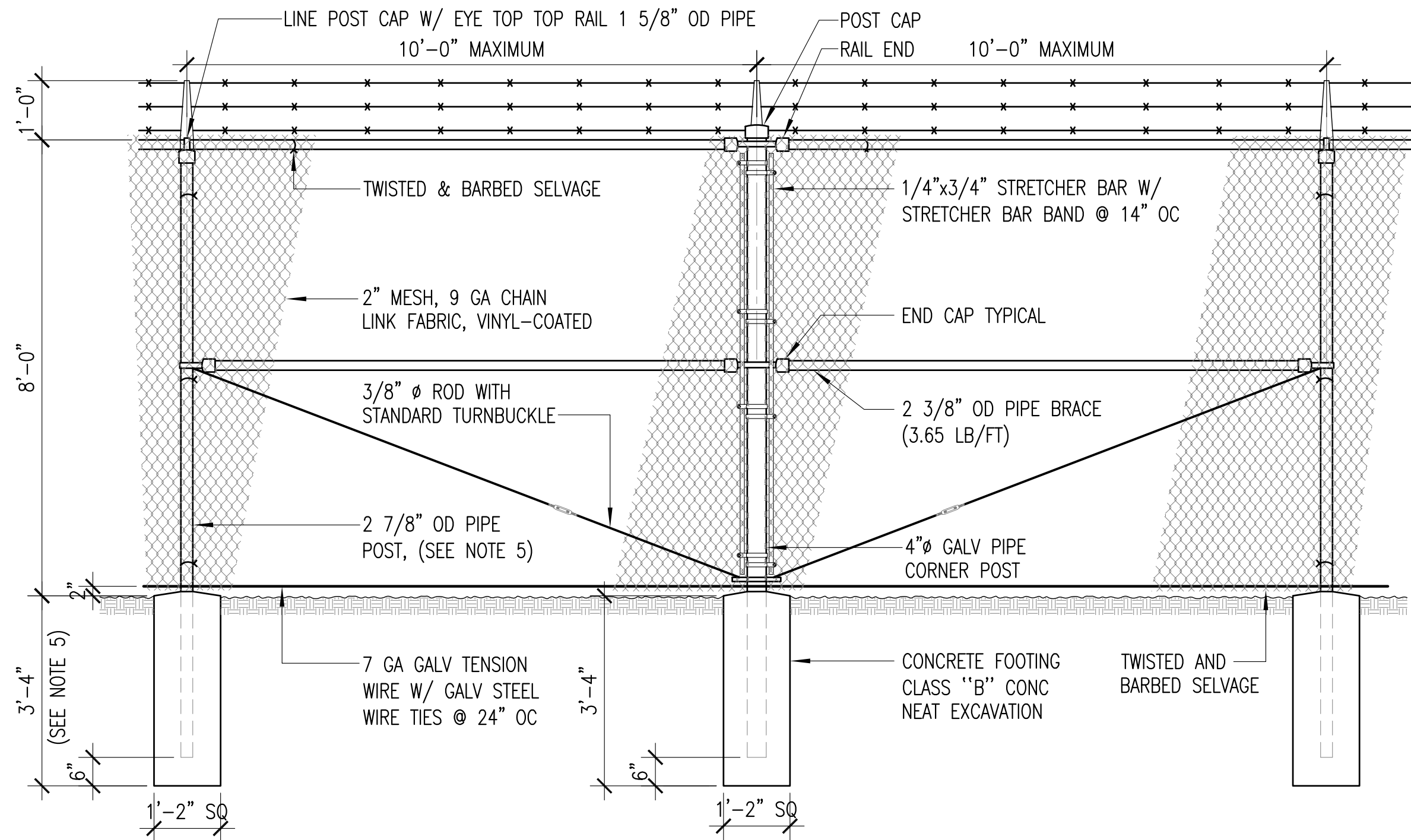
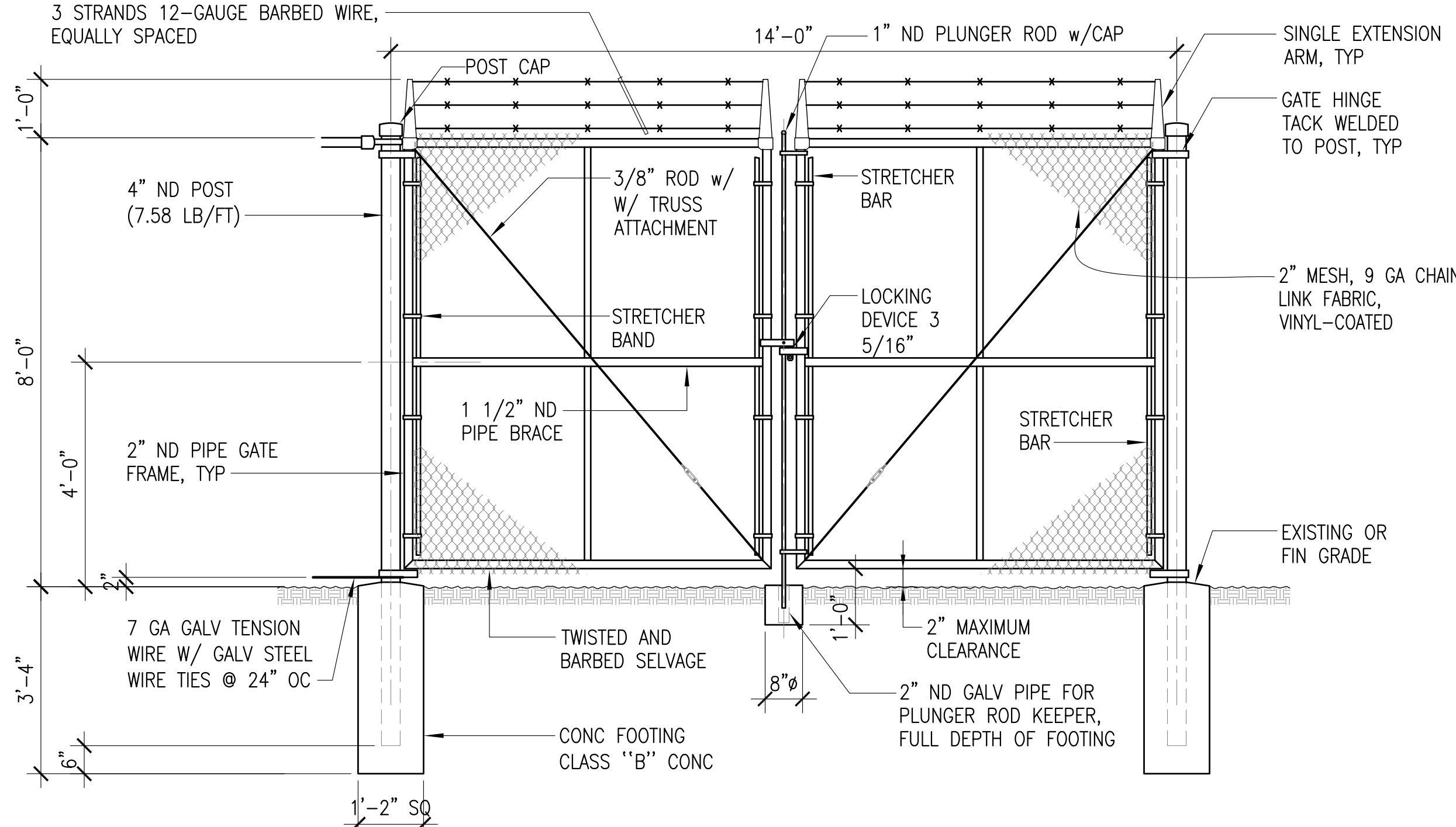




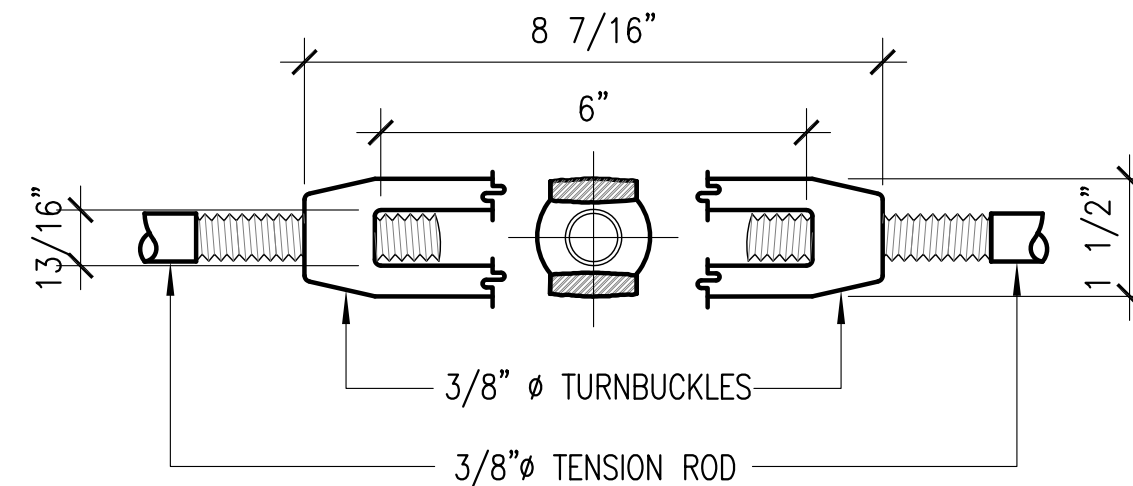
NOTES:

1. NO EXCAVATIONS WERE MADE TO VERIFY THE EXACT LOCATIONS SHOWN FOR UNDERGROUND UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF THE UTILITIES AND SERVICE CONNECTION THERE TO.
2. THE CONTRACTOR SHALL MAKE HIS OWN INVESTIGATIONS, INCLUDING EXPLORATORY EXCAVATIONS, TO DETERMINE THE LOCATIONS AND TYPE OF EXISTING UTILITIES, INCLUDING SERVICE CONNECTORS, PRIOR TO COMMENCING WORK WHICH COULD RESULT IN DAMAGE TO SUCH UTILITIES.
3. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AS TO ANY UTILITY DISCOVERED BY HIM IN A DIFFERENT POSITION THAN SHOWN ON THE PLANS OR WHICH IS NOT SHOWN ON THE PLANS.
4. ALL GALVANIZED STEEL PIPE SHALL BE SCHEDULE 80 RATED.
5. CHAINLINK POSTS & FOOTINGS SHALL BE RATED AGAINST 170 MPH WIND LOADING.

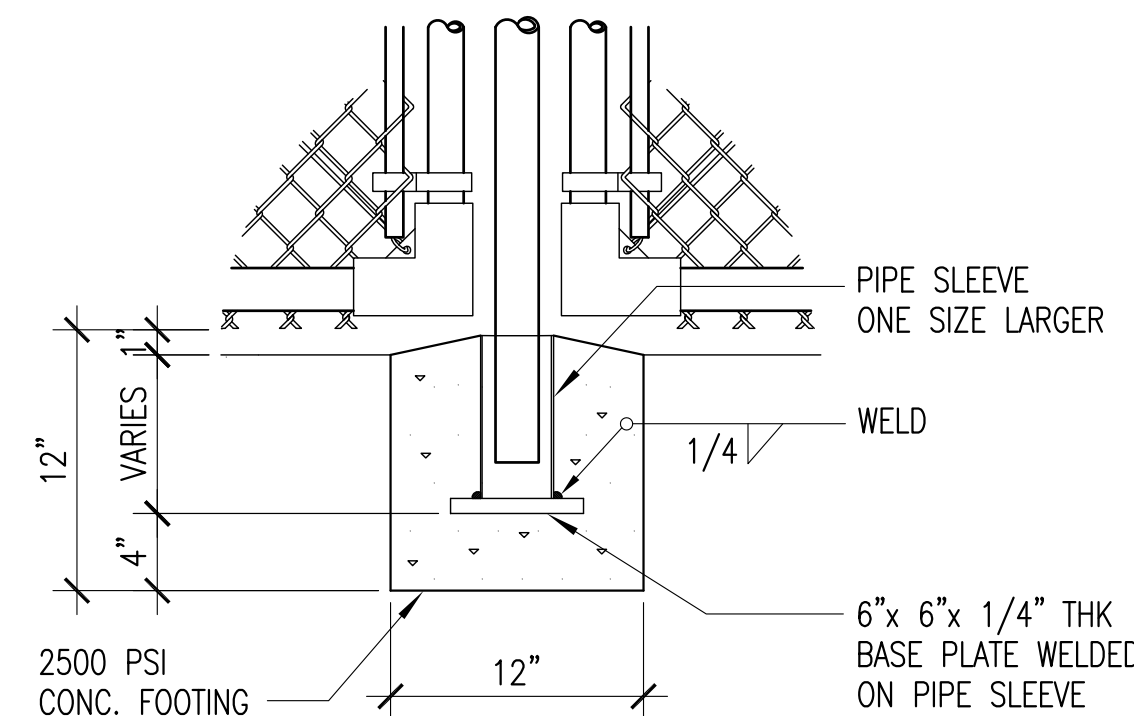
1 DEVELOPED ELEV CHAINLINK FENCE INSTALLATION DETAIL AT CORNER
C-2.0 | C-3.1 SCALE: 1/2" = 1'-0"



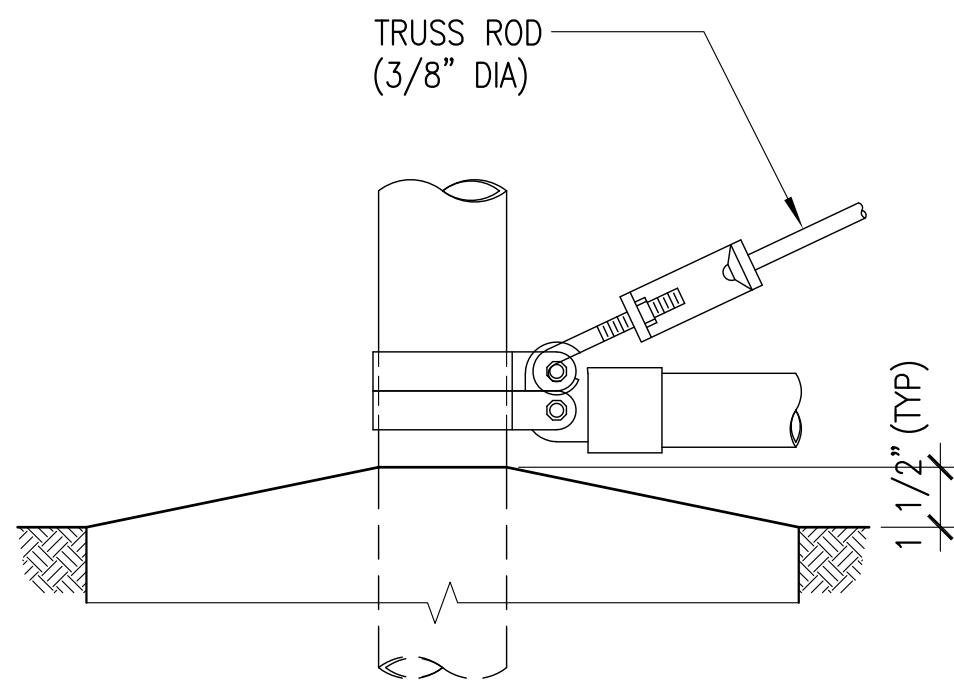
2 CHAINLINK VEHICULAR GATE ELEVATION
C-2.0 | C-3.1 SCALE: 1/2" = 1'-0"



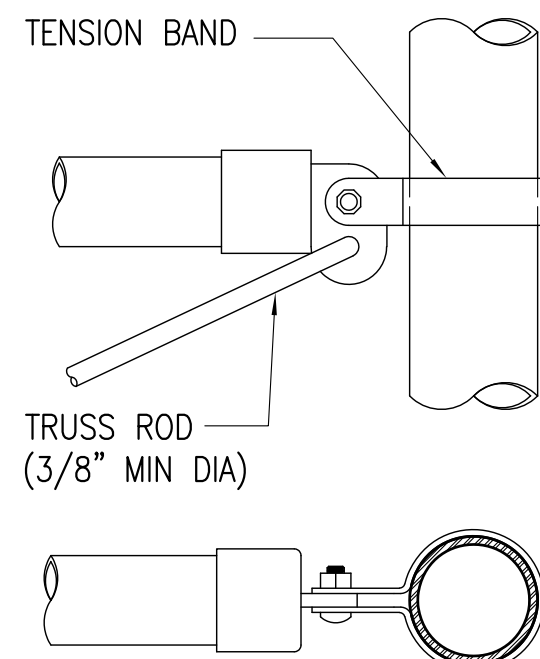
3 TURNBUCKLE DETAIL
C-3.1 | C-3.1 SCALE: NTS



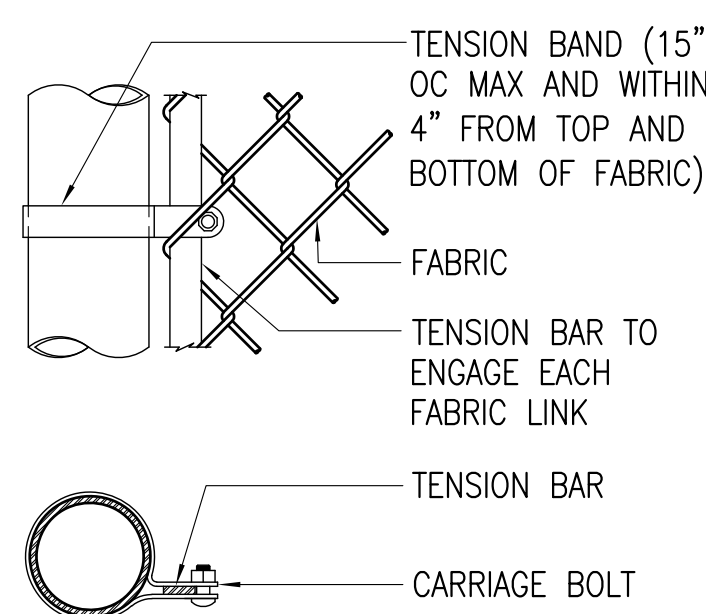
5D PLUNGER ROD KEEPER DETAIL
C-3.1 | C-3.1



4A TRUSS ROD AND BAND
C-3.1 | C-3.1



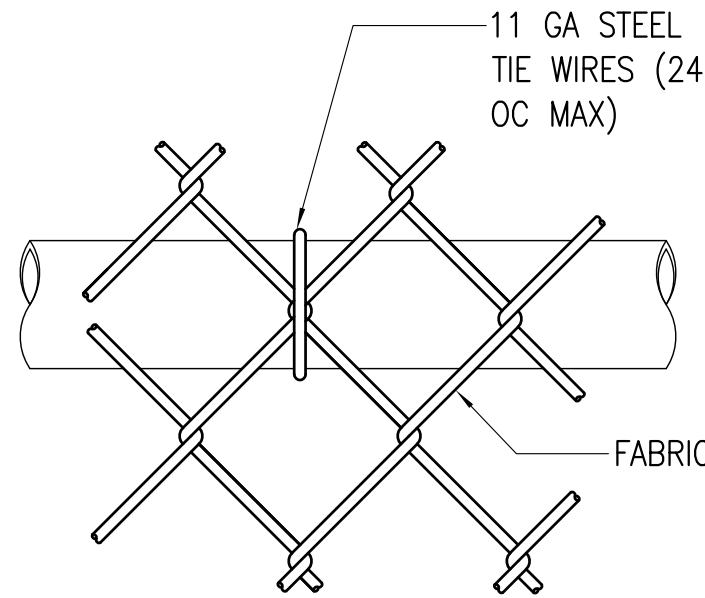
4B BRACE RAIL CLAMP DETAIL
C-3.1 | C-3.1



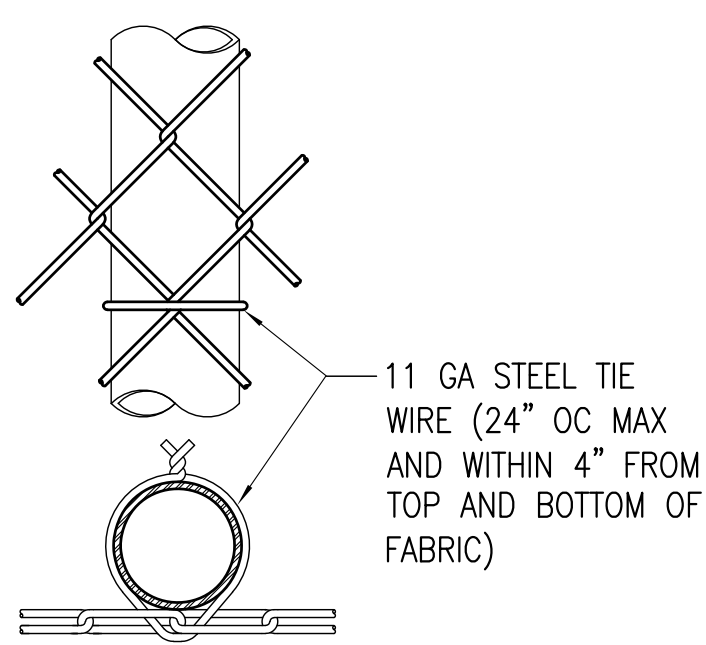
4C END POST DETAIL
C-3.1 | C-3.1

NOTES:

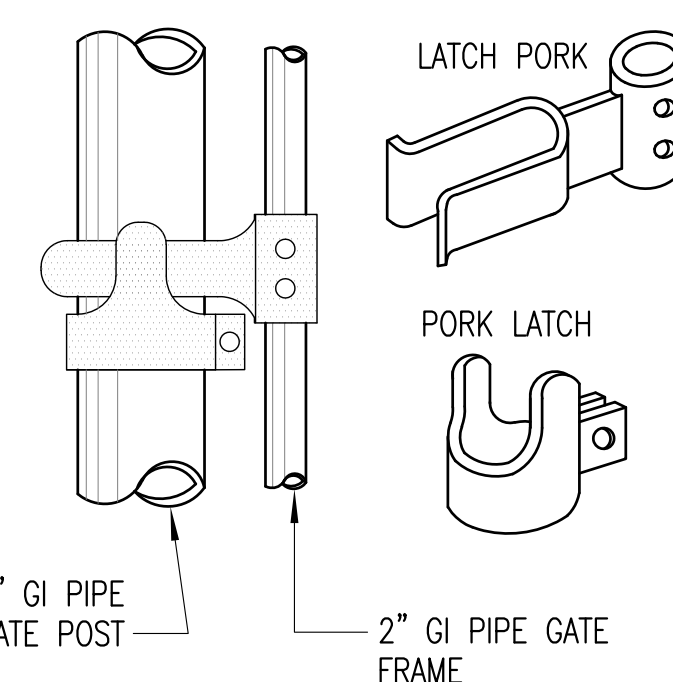
1. GATE FRAME SHALL BE OF WELDED PIPE CONSTRUCTION.
2. FOR ALL WELDED CONNECTIONS: CORNERS SHALL BE MITERED AND ALL PIPE BRACES PROPERLY COPED.
3. ALL WELDED CONNECTIONS SHALL BE PAINTED WITH TWO COATS OF Z.R.C. COLD GALVANIZING COMPOUND.
4. GATE HINGES SHALL BE TACK WELDED TO POST.
5. ALL PIPES AND POST SIZES ARE NOMINAL DIAMETER (N.D.)
6. PAD LOCK SHALL BE FURNISHED BY OWNER.
7. PIPES, FITTINGS AND POSTS SHALL BE HOT-DIP GALVANIZED.
8. TOP OF CONCRETE FOOTING SHALL BE CROWNED TOSHED WATER.



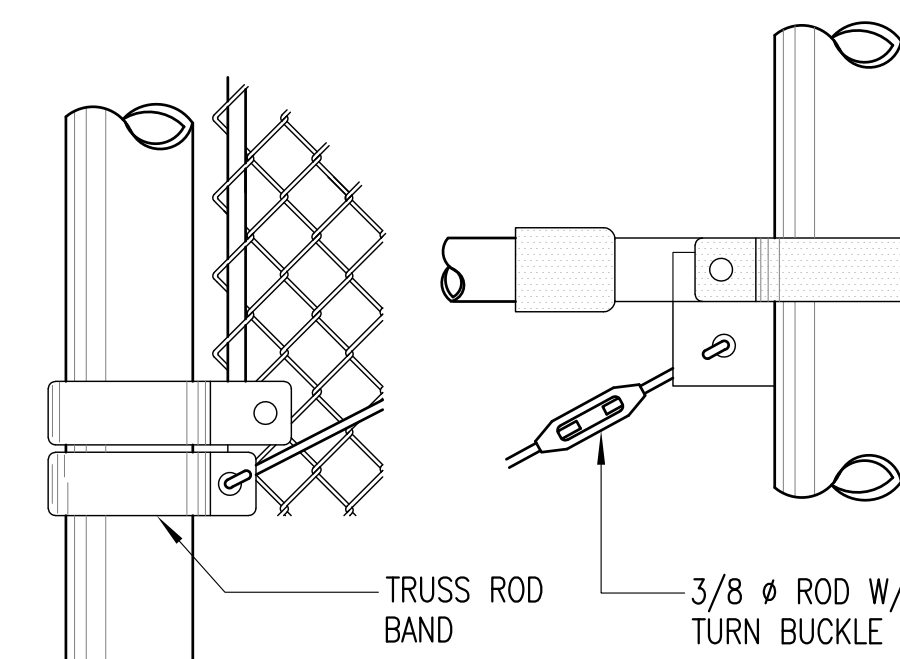
4E TOP OR BRACE RAIL ATTACHMENT
C-3.1 | C-3.1



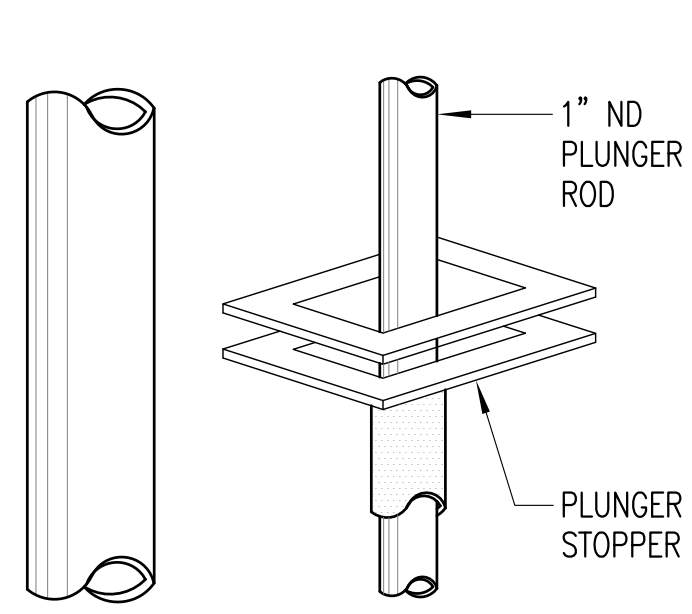
4D LINE POST ATTACHMENTS
C-3.1 | C-3.1



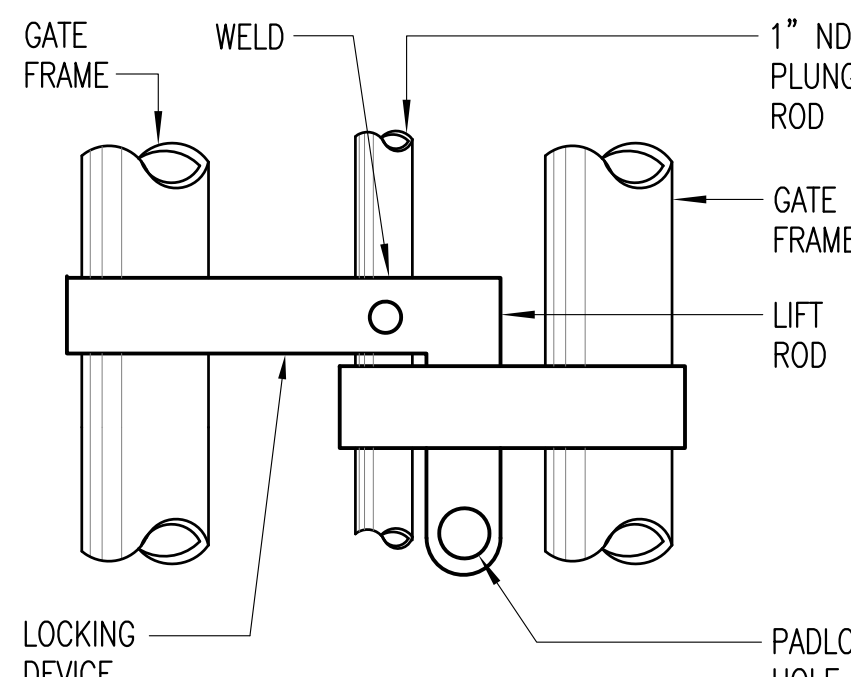
5A LATCH DETAIL
C-3.1 | C-3.1



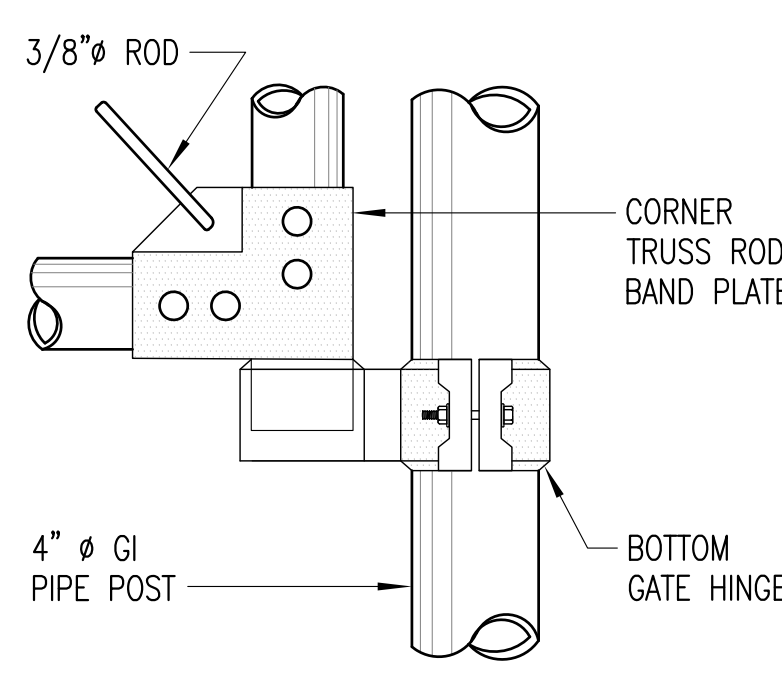
4B TENSION ROD DETAIL
C-3.1 | C-3.1



5C PLUNGER CATCH DETAIL
C-3.1 | C-3.1



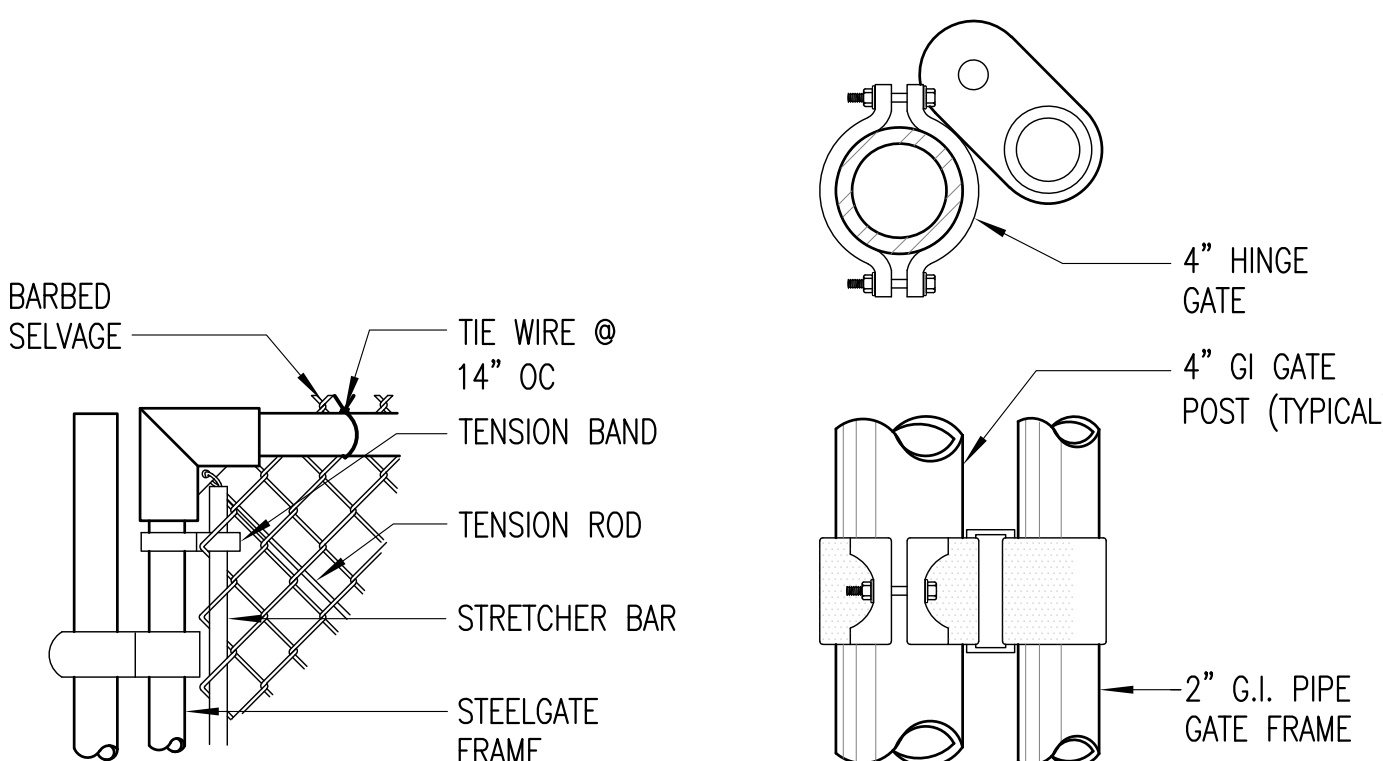
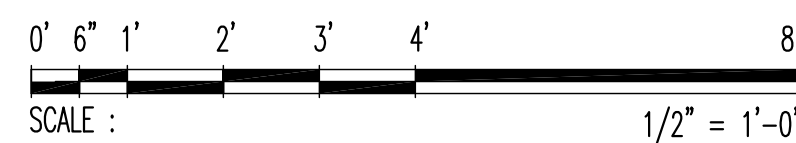
5E LOCKING DEVICE DETAIL
C-3.1 | C-3.1



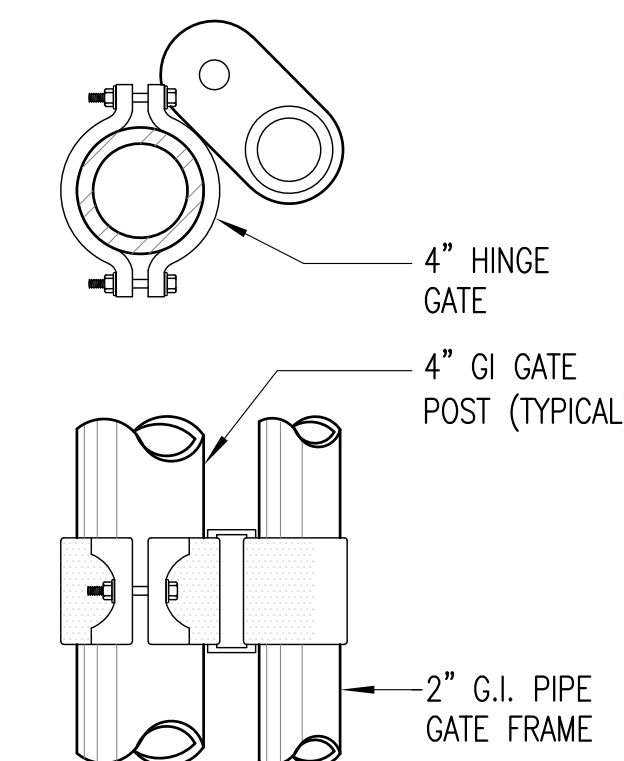
5F BOTTOM HINGE DETAIL
C-3.1 | C-3.1

5 CHAINLINK VEHICULAR GATE CONNECTION DETAILS
A-1.0 | C-3.1 SCALE: NTS

GRAPHIC SCALE:



5G TENSION BAND AND STRETCHER DETAIL
C-3.1 | C-3.1



5H HINGE GATE DETAIL
C-3.1 | C-3.1

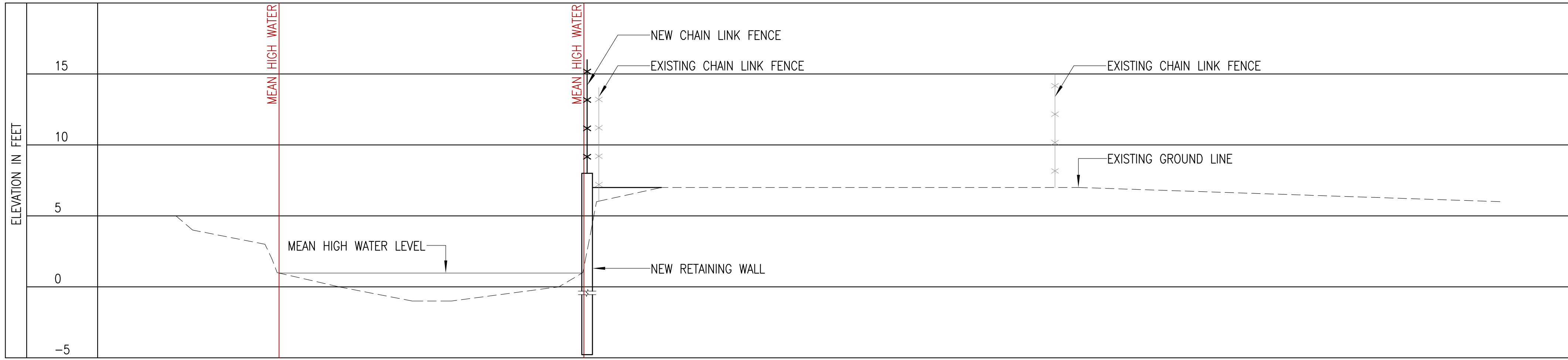
EMPSCO Engineering Management & Planning Services Corporation 1988 ADAMI DRIVE, 2ND FLOOR BUILDING SUITE 100, DEDDERS, GUAM 96909 TEL: (671) 438-0716 / 438-0718 FAX: (671) 438-2150					
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION		DATE: 07-17-2017			
DES. BY: ju		CHIEF ENGR: .		CONTENTS: CHAIN LINK FENCE AND GATE DETAILS	
DRN. BY: ju		ENGR. SUP: .		DRAWING NO. C-3.1	
CHK. BY: rmca		PROJ. ENGR: .		SHT. 5 OF 27	

GUAM WATERWORKS AUTHORITY
GOVERNMENT OF GUAM

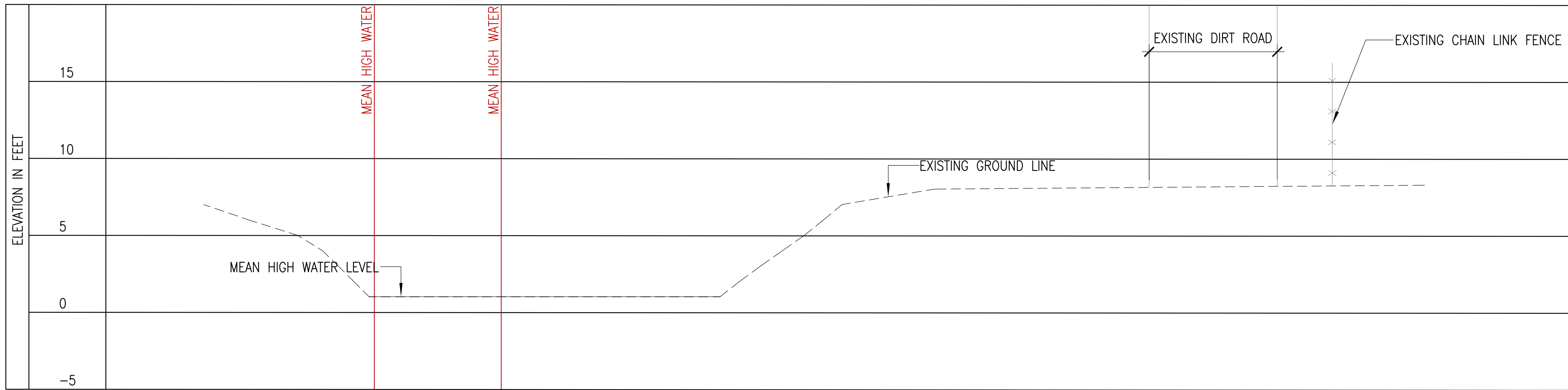
ENGINEERING DIVISION

PROJECT:
BAYSIDE PUMP STATION REHABILITATION
TAN MARIAN COATLA LP, TAMUNING, GUAM

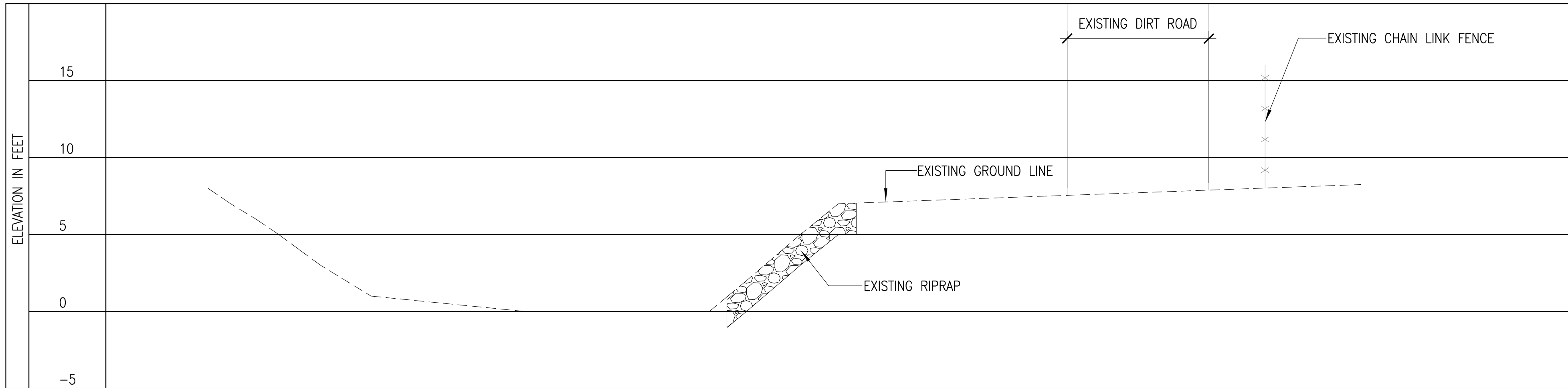
5/17/2017 2:15:48 PM



1
C-1.0 C-4.0
SCALE: 1" = 5'-0"

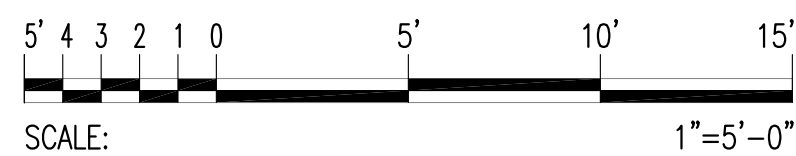


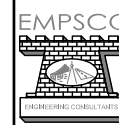
2
C-1.0 C-4.0
SCALE: 1" = 5'-0"



3
C-1.0 C-4.0
SCALE: 1" = 5'-0"

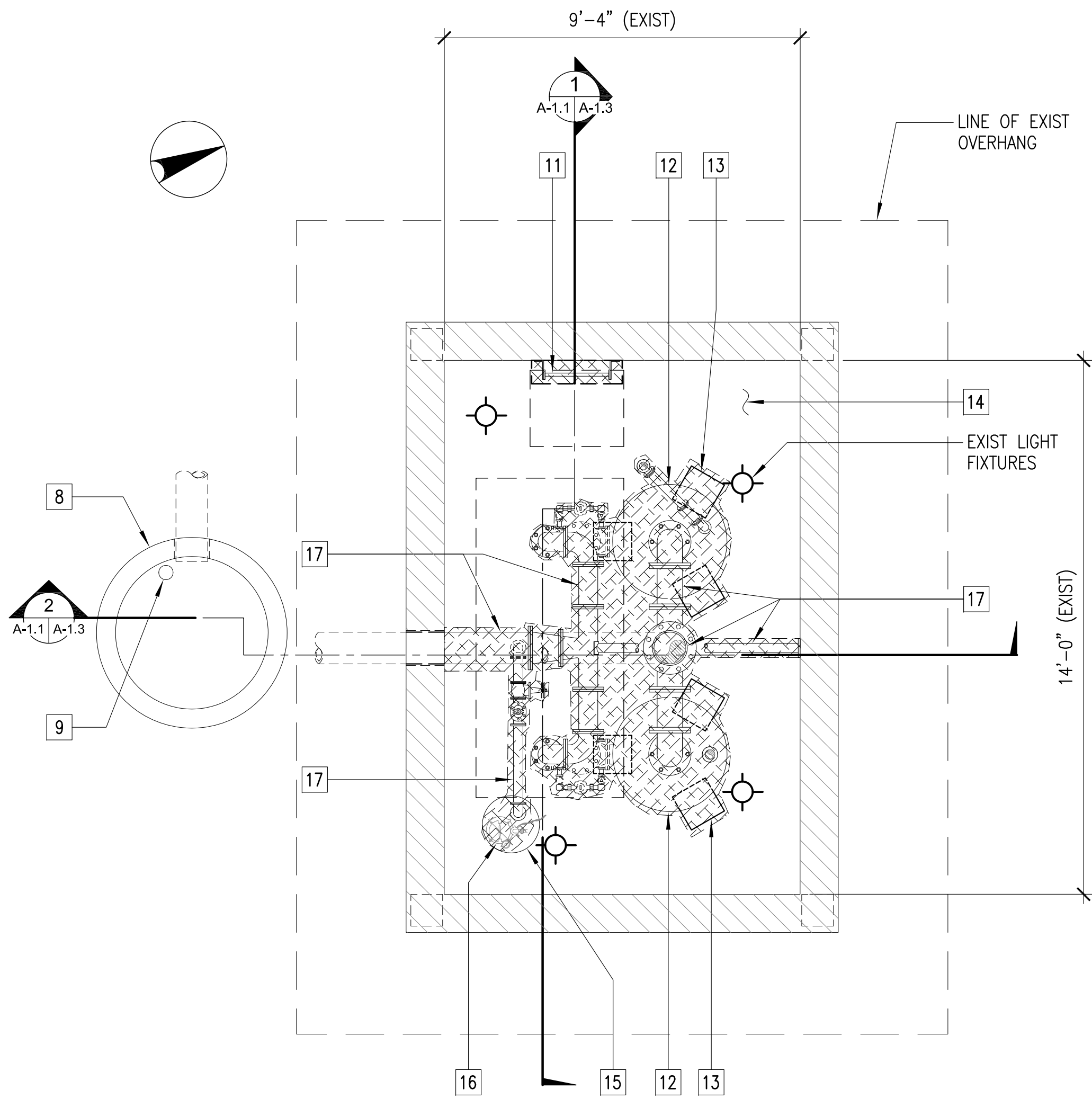
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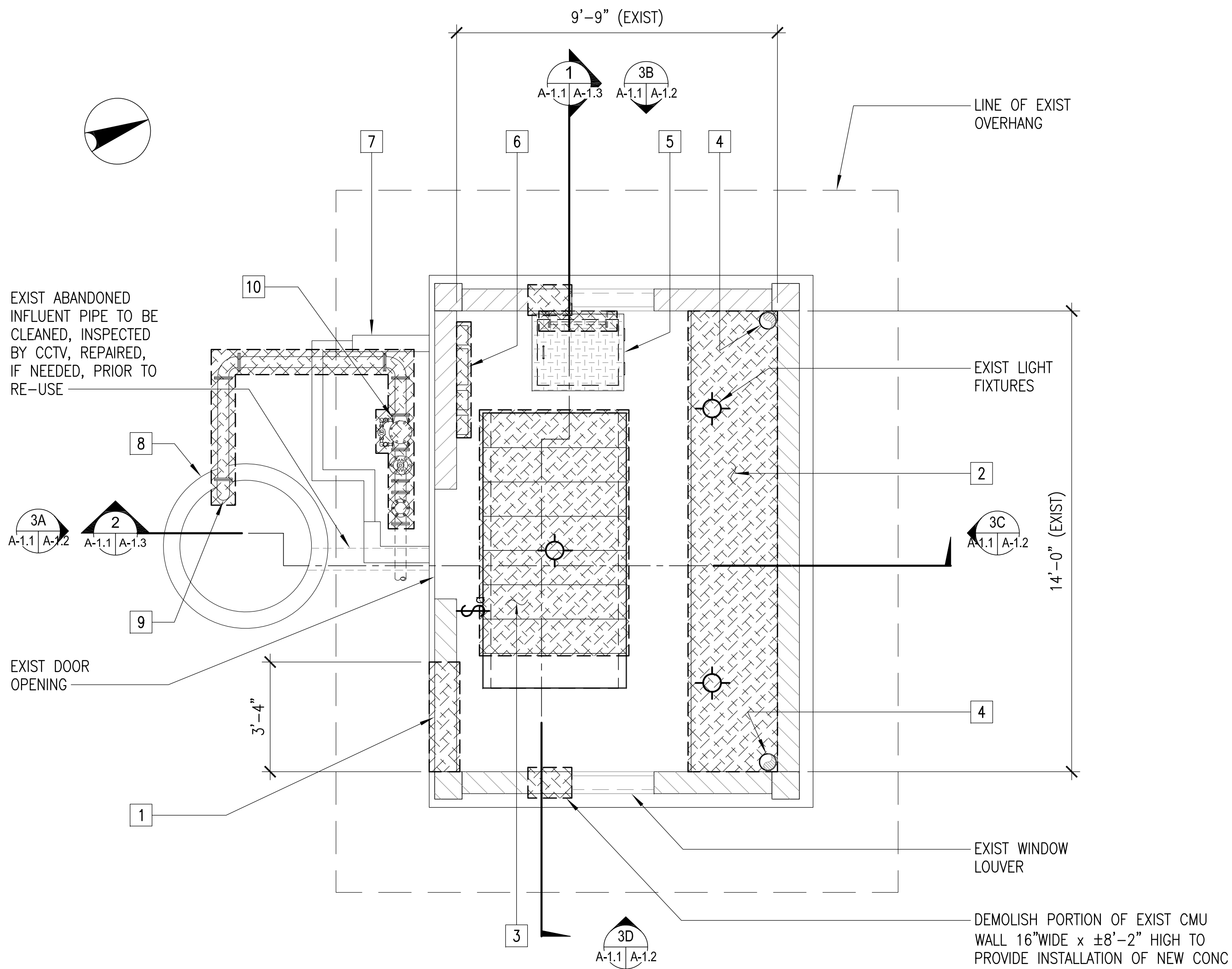
 Engineering Management & Planning Services Corporation 1988 ADAM DRIVE, 2ND FLOOR BUILDING SUITE 10, DEDDICK GUAM HARBOR TEL: (671) 438-2516 / 438-4714 FAX: (671) 438-2152							
REV	DATE	BY	DESCRIPTION		APPROVED BY		
GWA NO.			 GUAM WATERWORKS AUTHORITY GOVERNMENT OF GUAM ENGINEERING DIVISION				
GRANT ID NO.							
CONTRACT NO.							
PROJECT NO.							
DATE: 07-17-2017			PROJECT: BAYSIDE PUMP STATION REHABILITATION TAN MARIAN COATLA LP, TAMUNING, GUAM				
DES. BY: ju			CHIEF ENGR: .			CONTENTS: SITE SECTIONS	DRAWING NO. C-4.0
DRN. BY: ju			ENGR. SUP: .				SHT. 6 OF 27
CHK. BY: rmca			PROJ. ENGR: .				

DEMOLITION KEYED NOTES:

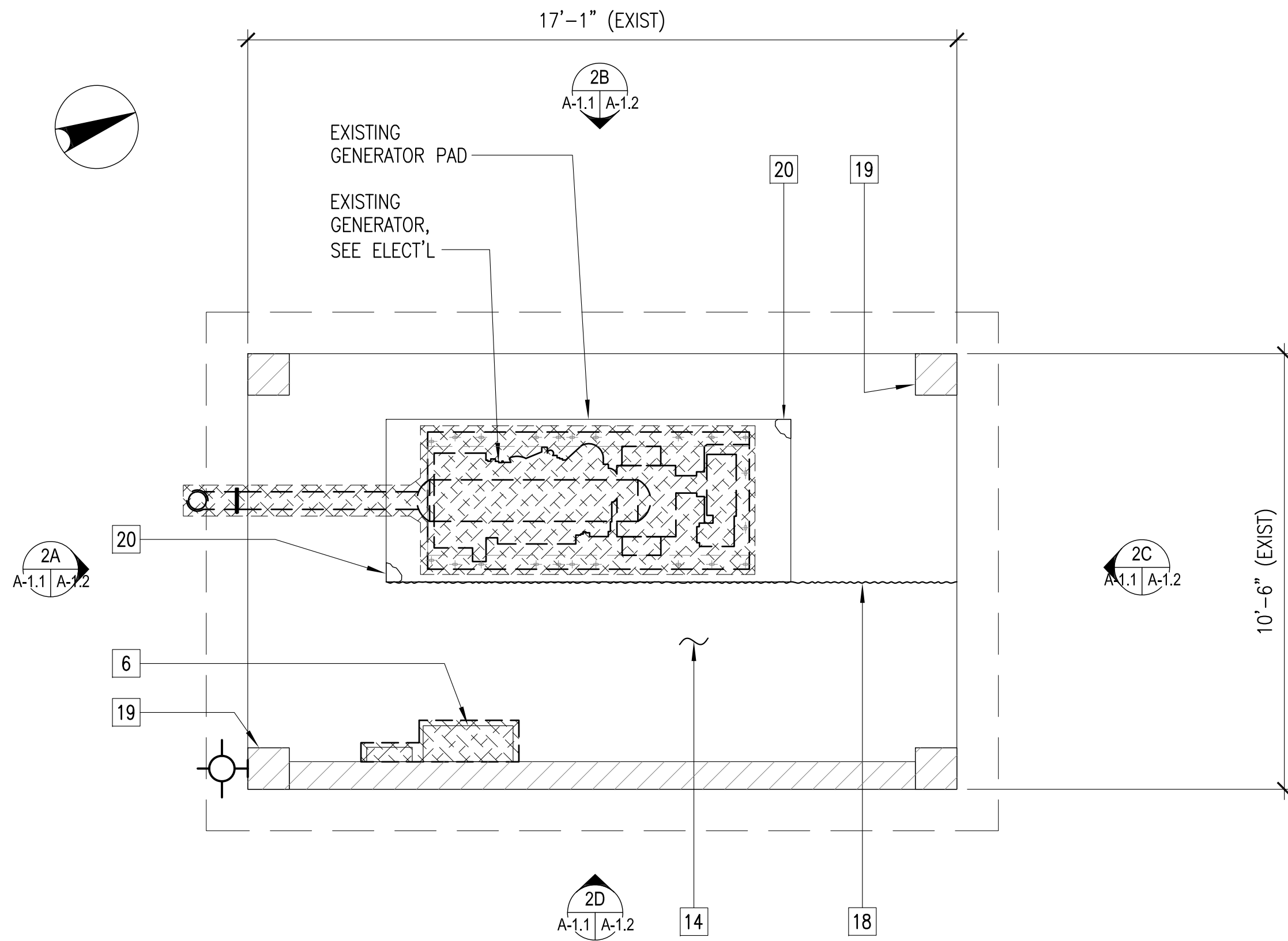
- SAWCUT 3'-4"Wx7'-2"H AND DEMOLISH PORTION OF EXISTING WALL TO NEW OPENING FOR NEW DOOR.
- DEMOLISH/REMOVE EXISTING CONCRETE PAD.
- DEMOLISH/REMOVE EXISTING CONCRETE PLANK.
- EXISTING STEEL PIPE VENTS TO REMAIN (REFER TO MECHANICAL DRAWING FOR REFURBISHMENT REQUIREMENT).
- EXISTING STEEL ACCESS COVER TO REMAIN.
- EXISTING ELECTRICAL PANELS, BOXES, DEVICES TO BE REMOVED (REFER TO ELECTRICAL DEMOLITION PLAN).
- EXISTING CONCRETE VALVE BOX TO REMAIN (FOR REPAIR AND RECONSTRUCTION DETAILS SEE A-2.1).
- EXISTING CONCRETE MANHOLE/WETWELL.
- REMOVE EXISTING PUMP AND STEEL DISCHARGE RISER AND HORIZONTAL PIPE AND FITTINGS.
- EXISTING GATE VALVES AND FITTINGS, SEE MECHANICAL FOR DEMOLITION.
- REMOVE AND REPLACE EXISTING STAINLESS STEEL LADDER.
- REMOVE EXISTING STEEL TANKS.
- DEMOLISH/REMOVE EXISTING CONCRETE PEDESTALS AND STEEL SUPPORTS, TYPICAL.
- EXISTING CONCRETE FLOOR SLAB, REFER TO SPECIFICATION FOR REPAIR.
- EXISTING SUMP PIT TO BE CLEAR WITH DEBRIS.
- REMOVE EXISTING SUMP PUMP.
- REMOVE EXISTING STEEL PIPE LINE AND FITTINGS, SEE MECHANICAL FOR DEMOLITION.
- EXISTING FLOOR CRACKS, REFER TO SPECIFICATION FOR REPAIR.
- EXISTING COLUMN CRACKS AND SPALLS, REFER TO SPECIFICATION FOR REPAIR.
- EXISTING PAD SPALLS, REFER TO SPECIFICATION FOR REPAIR.
- EXISTING HOLES AT WALLS TO PATCH WITH CEMENT.



1 DEMOLITION PLAN - PUMP HOUSE LOWER FLOOR
SCALE: 3/8" = 1'-0"



2 DEMOLITION PLAN - PUMP HOUSE GROUND FLOOR
SCALE: 3/8" = 1'-0"

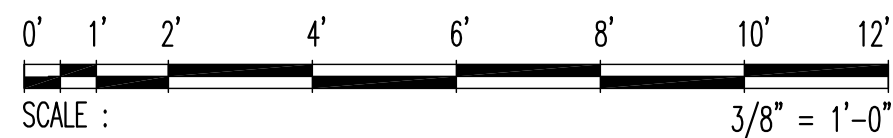


1 DEMOLITION PLAN - GENERATOR HOUSE
SCALE: 3/8" = 1'-0"

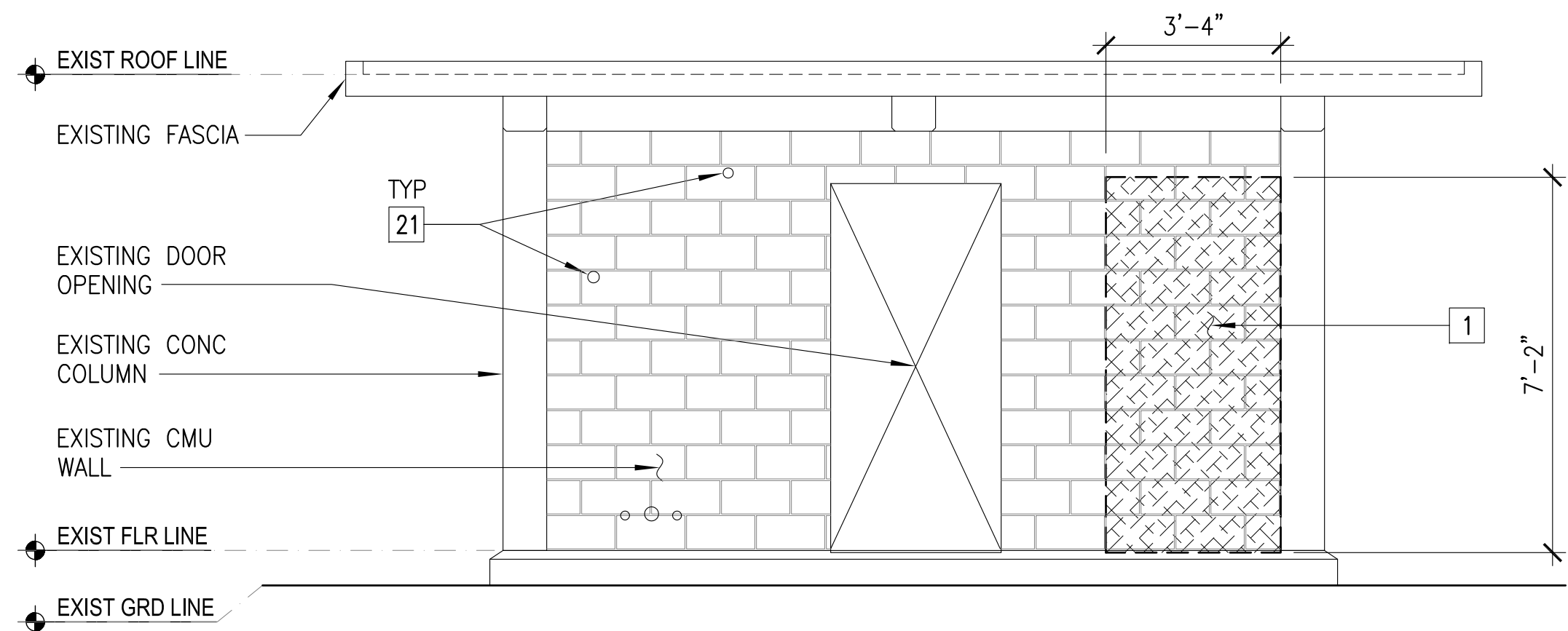
LEGEND:

- DEMOLITION
- EXISTING CONCRETE WALL

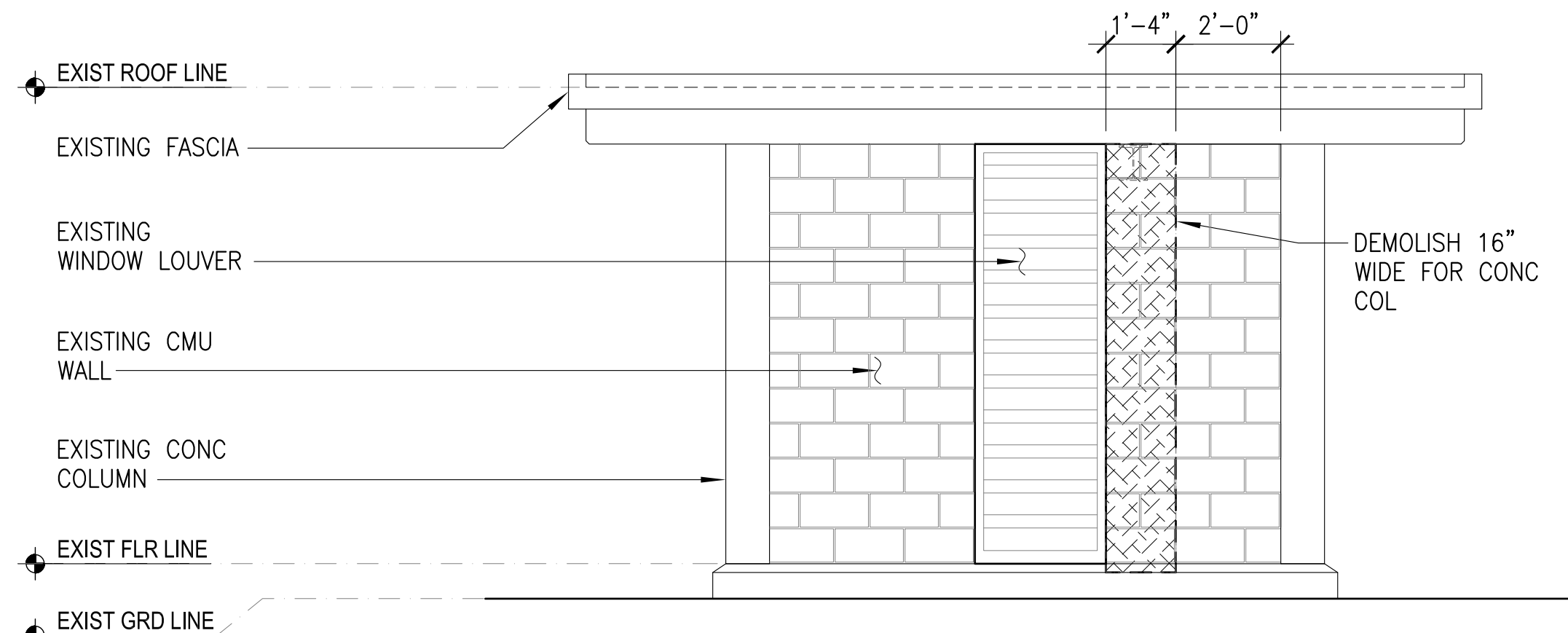
GRAPHIC SCALE:



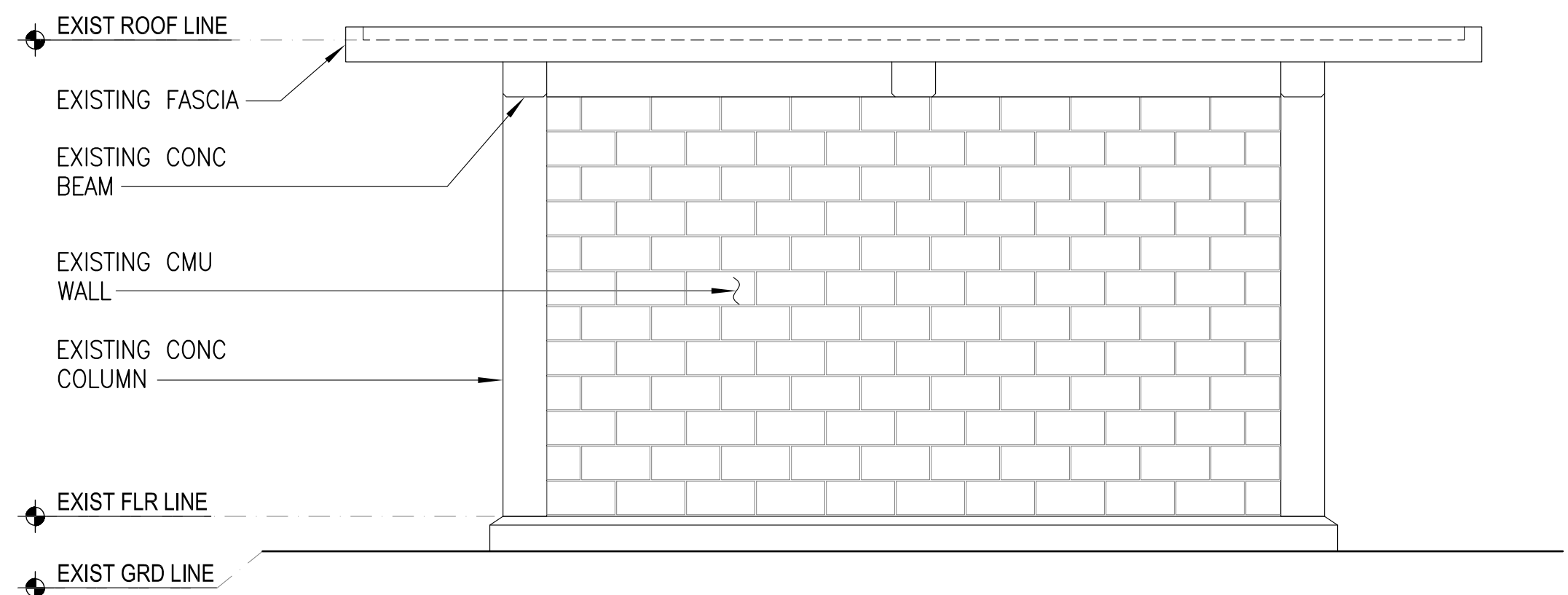
 EMPSCO Engineering Management & Planning Services Corporation 1988 ARAD DRIVE, SUITE 200, BAYVIEW PO BOX 141, SANTIAGO GUAM 96912 TEL: (671) 438-0716 / 438-4716 FAX: (671) 438-2121						
		REV	DATE	BY	DESCRIPTION	APPROVED BY
 I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION DATE: 05-17-2017	GWA NO. . .			 GUAM WATERWORKS AUTHORITY GOVERNMENT OF GUAM ENGINEERING DIVISION BAYSIDE PUMP STATION REHABILITATION TAN MARIAN COATLA LP, TAMUNING, GUAM		
	GRANT ID NO. . .					
	CONTRACT NO. . .					
	PROJECT NO. . .					
	DATE: 05-17-2017					
DES. BY: kje			CHIEF ENGR. : .			DRAWING NO.
DRN. BY: jl			ENGR. SUP. : .			A-1.1
CHK. BY: aht			PROJ. ENGR. : .			SHT. 7 OF 27



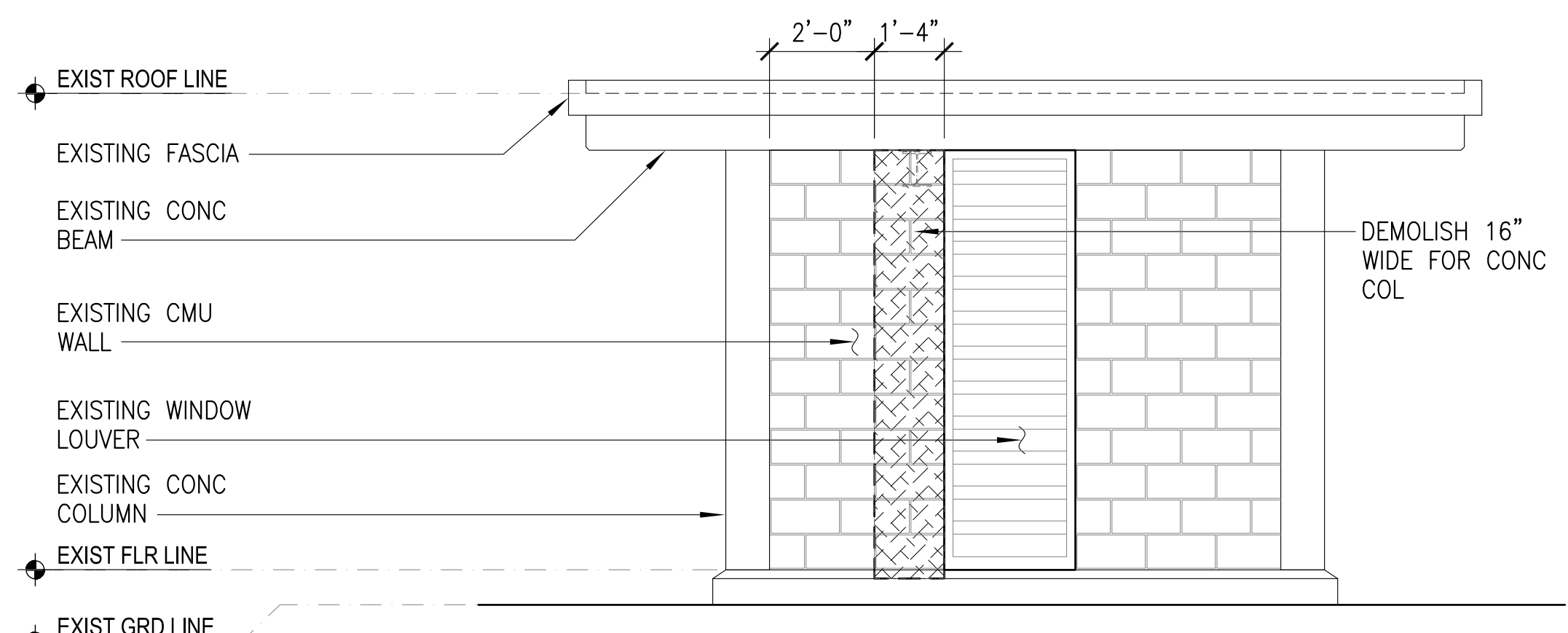
1A EXISTING SOUTH ELEVATION
A-1.1 A-1.2



1B EXISTING WEST ELEVATION
A-1.1 A-1.2

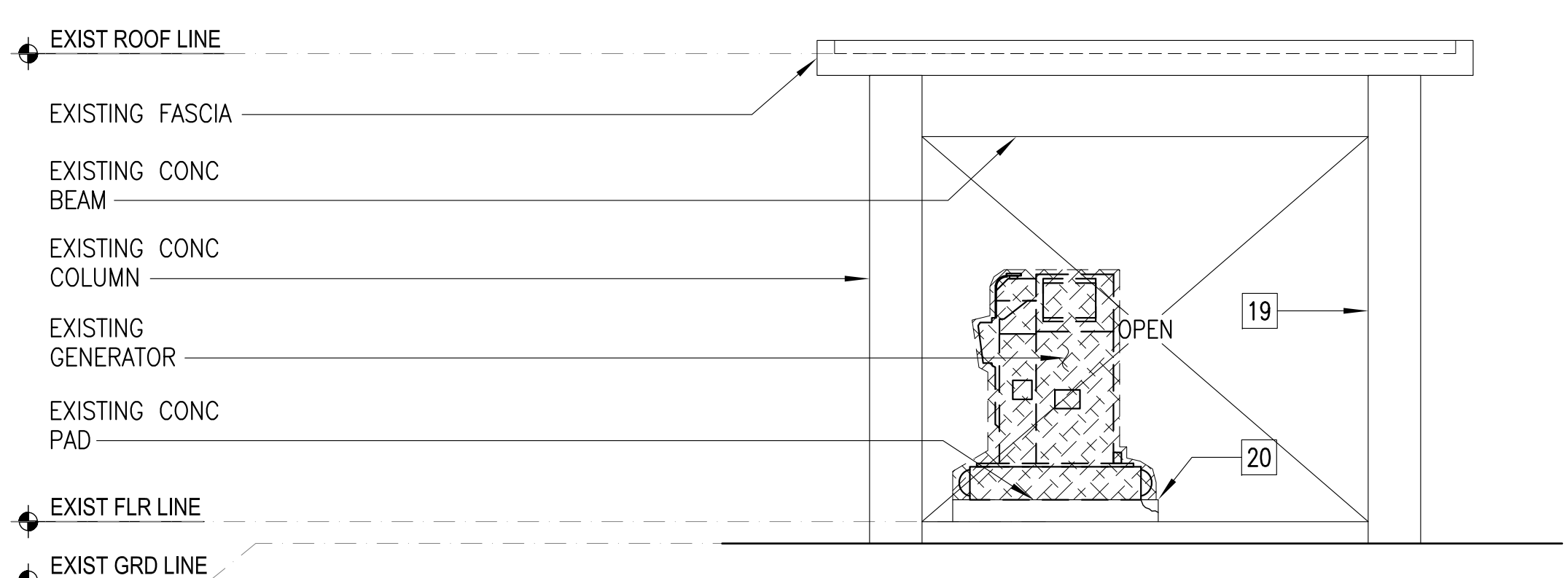


1C EXISTING NORTH ELEVATION
A-1.1 A-1.2

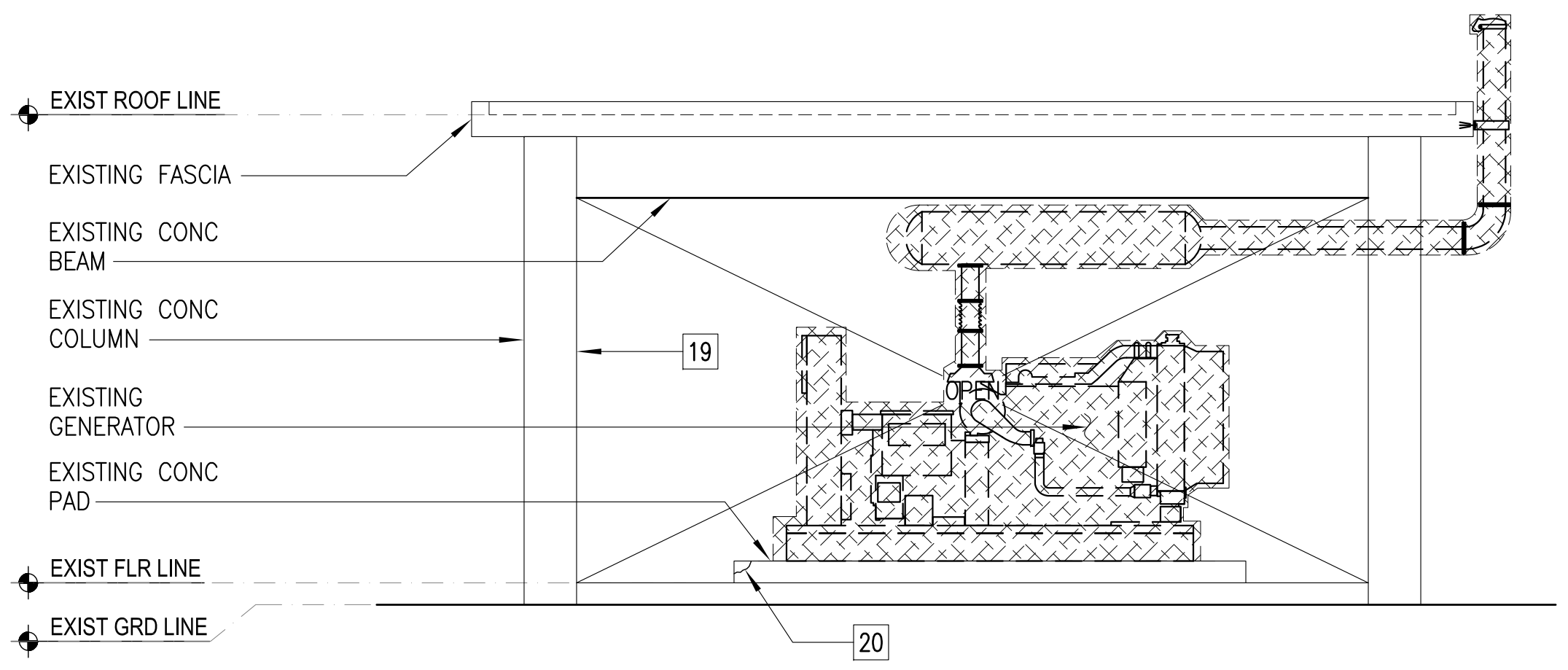


1D EXISTING EAST ELEVATION
A-1.1 A-1.2

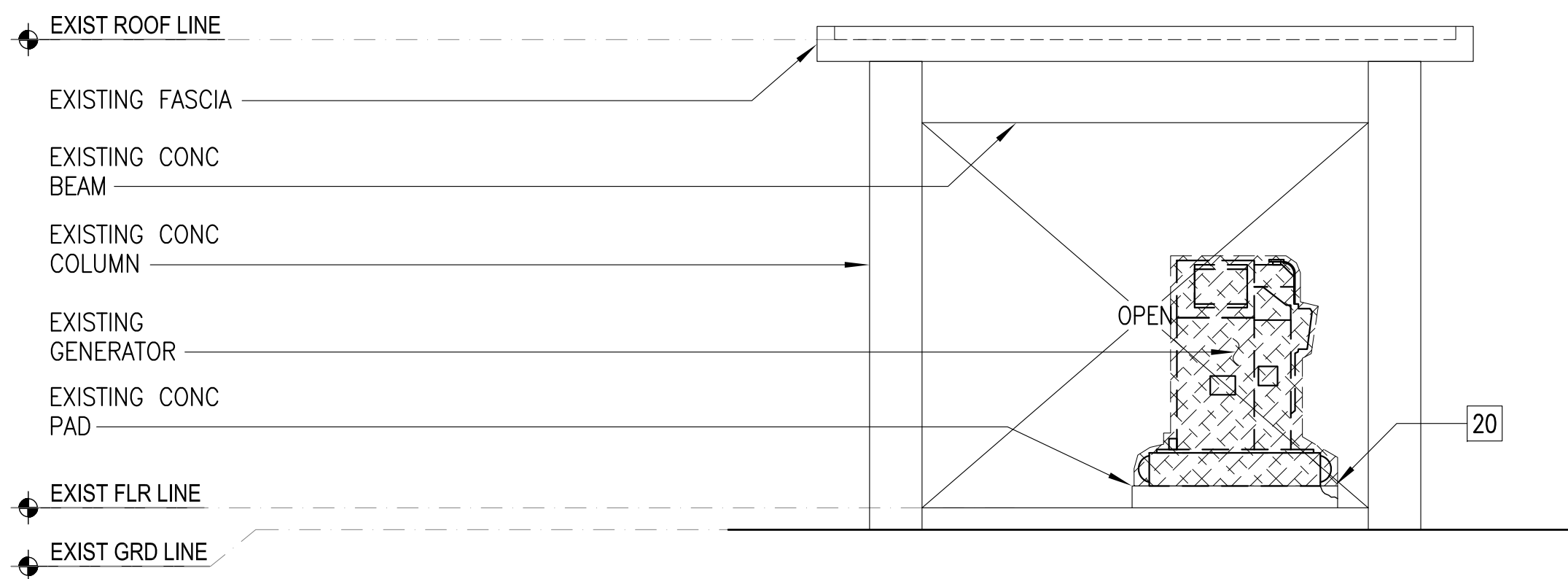
1 DEMOLITION/DAMAGED LOCATION-EXISTING PUMP HOUSE ELEVATIONS
SCALE: 3/8" = 1'-0"



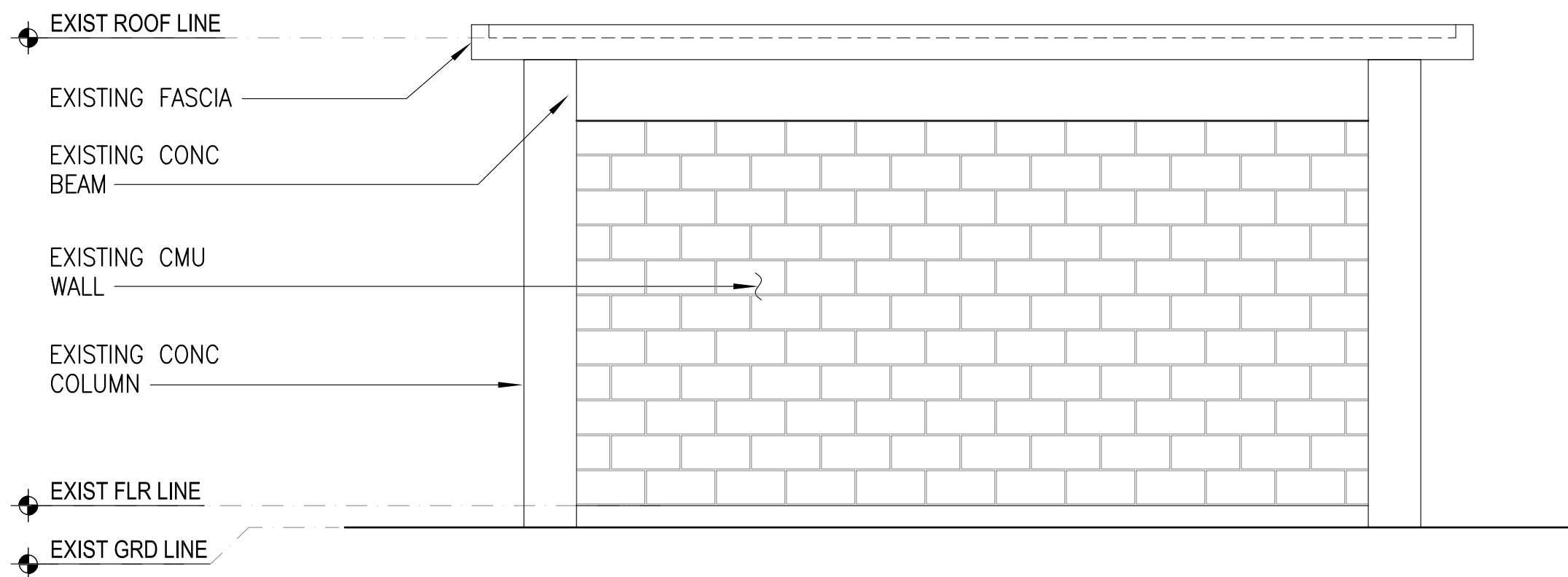
2A EXISTING SOUTH ELEVATION
A-1.1 A-1.2



2B EXISTING WEST ELEVATION
A-1.1 A-1.2



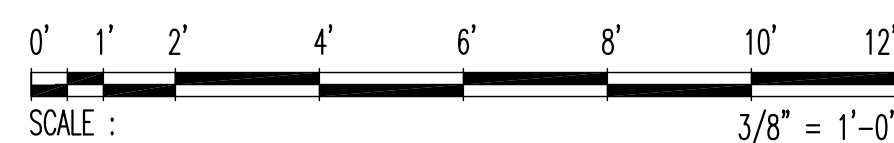
2C EXISTING NORTH ELEVATION
A-1.1 A-1.2



2D EXISTING EAST ELEVATION
A-1.1 A-1.2

2 DEMOLITION/DAMAGED LOCATION- EXISTING GENERATOR HOUSE ELEVATIONS
SCALE: 3/8" = 1'-0"

GRAPHIC SCALE:



DEMOLITION KEYED NOTES:

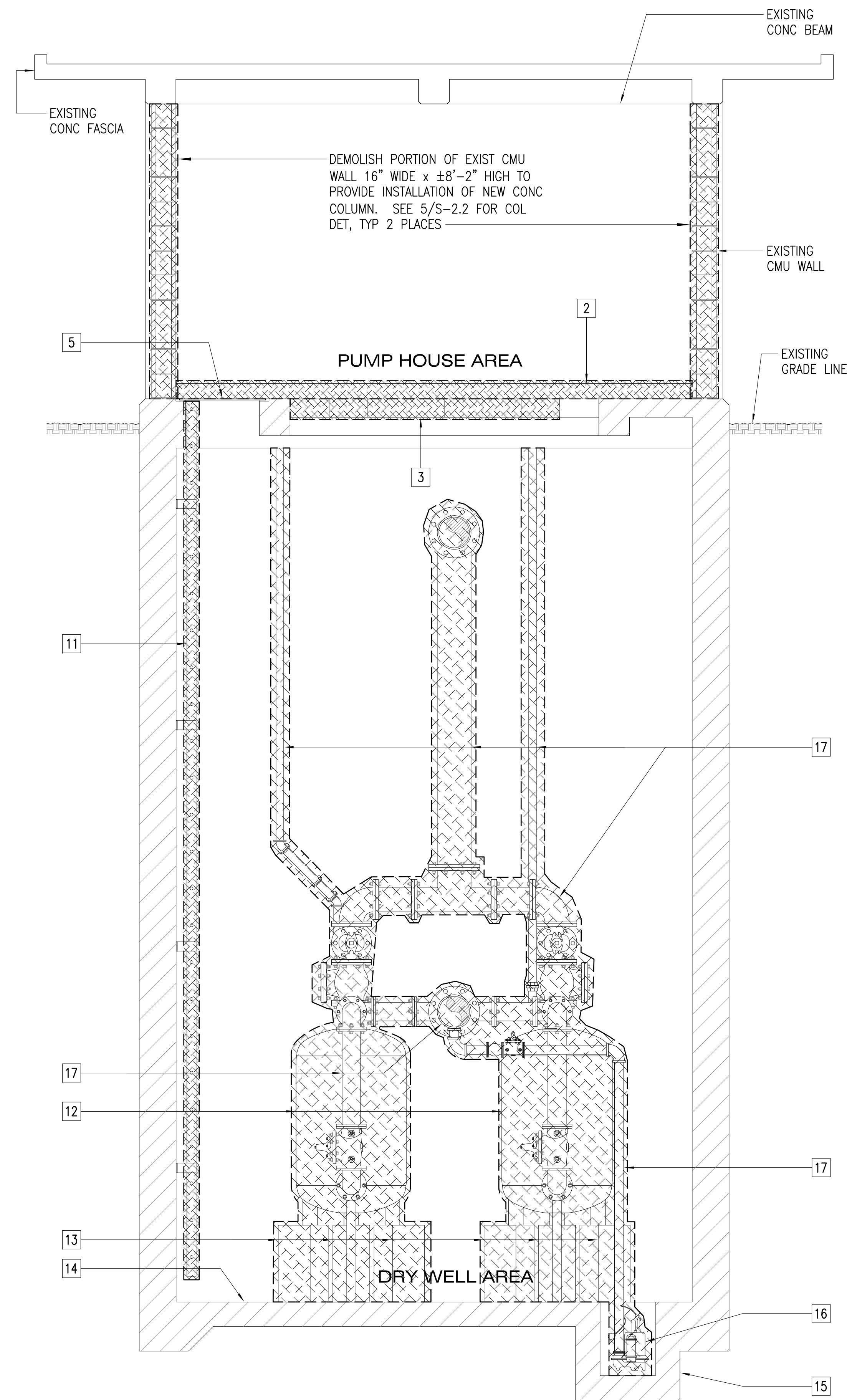
- SAWCUT 3'-4"Wx7'-2"H AND DEMOLISH PORTION OF EXISTING WALL TO NEW OPENING FOR NEW DOOR.
- DEMOLISH/REMOVE EXISTING CONCRETE PAD.
- DEMOLISH/REMOVE EXISTING CONCRETE PLANK.
- EXISTING STEEL PIPE VENTS TO REMAIN (REFER TO MECHANICAL DRAWING FOR REFURBISHMENT REQUIREMENT).
- EXISTING STEEL ACCESS COVER TO REMAIN.
- EXISTING ELECTRICAL PANELS, BOXES, DEVICES TO BE REMOVED (REFER TO ELECTRICAL DEMOLITION PLAN).
- EXISTING CONCRETE VALVE BOX TO REMAIN (FOR REPAIR AND RECONSTRUCTION DETAILS SEE A-2.1).
- EXISTING CONCRETE MANHOLE/WETWELL.
- REMOVE EXISTING PUMP AND STEEL DISCHARGE RISER AND HORIZONTAL PIPE AND FITTINGS.
- EXISTING GATE VALVES AND FITTINGS, SEE MECHANICAL FOR DEMOLITION.
- REMOVE AND REPLACE EXISTING STAINLESS STEEL LADDER.
- REMOVE EXISTING STEEL TANKS.
- DEMOLISH/REMOVE EXISTING CONCRETE PEDESTALS AND STEEL SUPPORTS, TYPICAL.
- EXISTING CONCRETE FLOOR SLAB, REFER TO SPECIFICATION FOR REPAIR.
- EXISTING SUMP PIT TO BE CLEAR WITH DEBRIS.
- REMOVE EXISTING SUMP PUMP.
- REMOVE EXISTING STEEL PIPE LINE AND FITTINGS, SEE MECHANICAL FOR DEMOLITION.
- EXISTING FLOOR CRACKS, REFER TO SPECIFICATION FOR REPAIR.
- EXISTING COLUMN CRACKS AND SPALLS, REFER TO SPECIFICATION FOR REPAIR.
- EXISTING PAD SPALLS, REFER TO SPECIFICATION FOR REPAIR.
- EXISTING HOLES AT WALLS TO PATCH WITH CEMENT.

LEGEND:

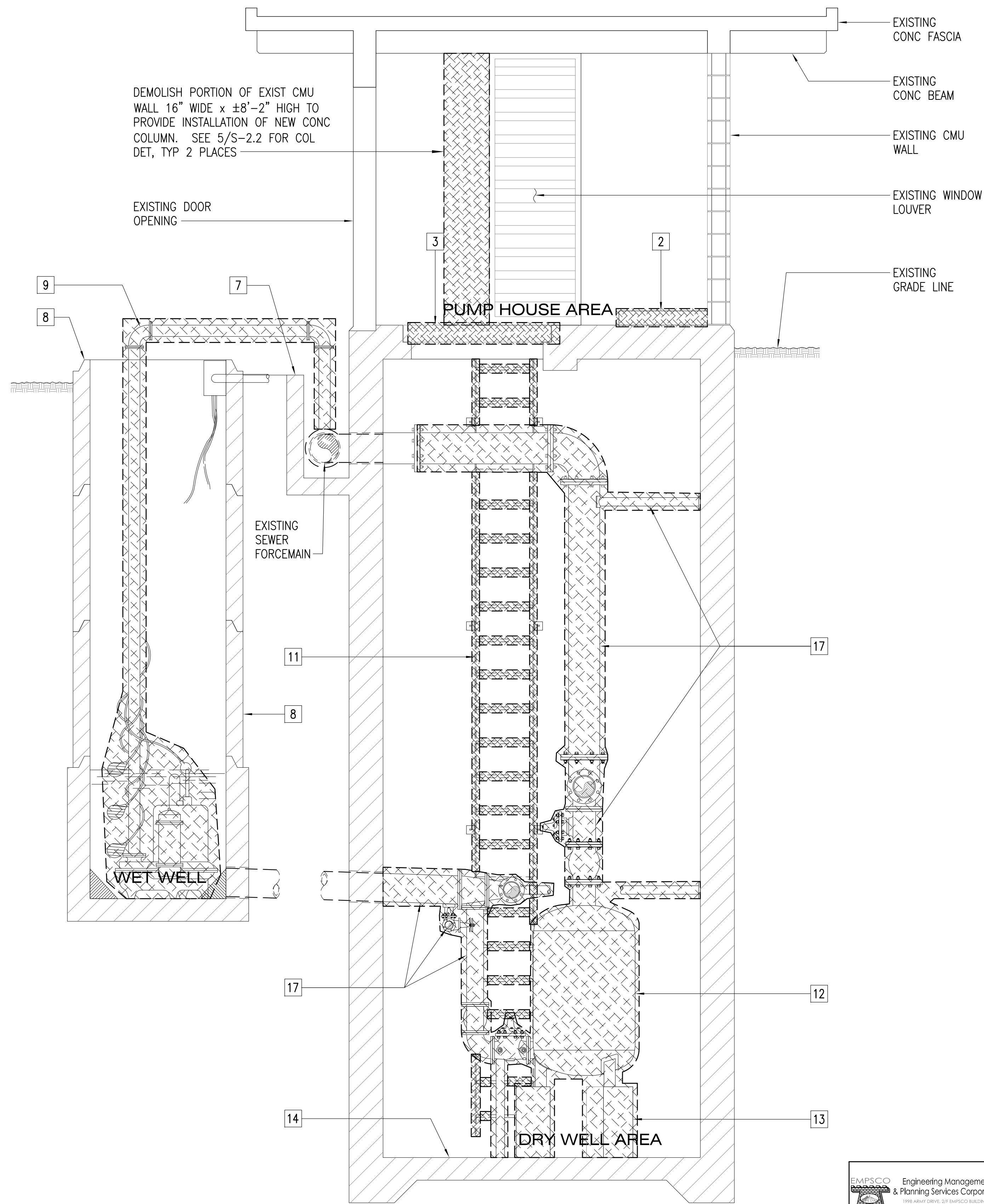
- DEMOLITION

 Engineering Management & Planning Services Corporation 198 ANAH DRIVE, 2D EMPSCO BUILDING PO BOX 16, DEDDISH GUAM 96921 TEL: (671) 438-0716 / 438-4716 FAX: (671) 438-2124			
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION DATE: 05-17-2017			
DES. BY: kje DRN. BY: jl CHK. BY: aht		REV. DATE BY DESCRIPTION APPROVED BY	
CWA NO. GRANT ID NO. CONTRACT NO. PROJECT NO.		PROJECT: BAYSIDE PUMP STATION REHABILITATION TAN MARIAN COATLA LP, TAMUNING, GUAM	
CHIEF ENGR: . ENGR. SUP: . PROJ. ENGR: .		CONTENTS: DEMOLITION/DAMAGED LOCATION-EXISTING PUMP HOUSE ELEVATION, DEMOLITION/DAMAGED LOCATION-EXISTING GENERATOR HOUSE ELEV and DEMOLITION KEYED NOTES	
		DRAWING NO. A-1.2 SHT. 8 OF 27	

5/17/2017 2:48:22 PM

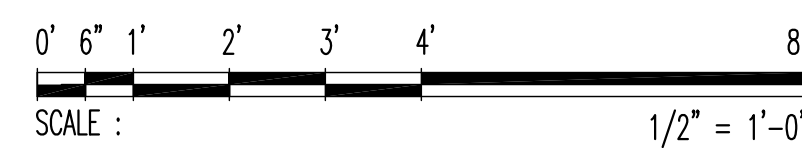


1 EXISTING PUMP HOUSE BUILDING LONGITUDINAL SECTION DEMOLITION
SCALE: 1/2" = 1'-0"



2 EXISTING PUMP HOUSE BUILDING CROSS SECTION DEMOLITION
SCALE: 1/2" = 1'-0"

GRAPHIC SCALE:



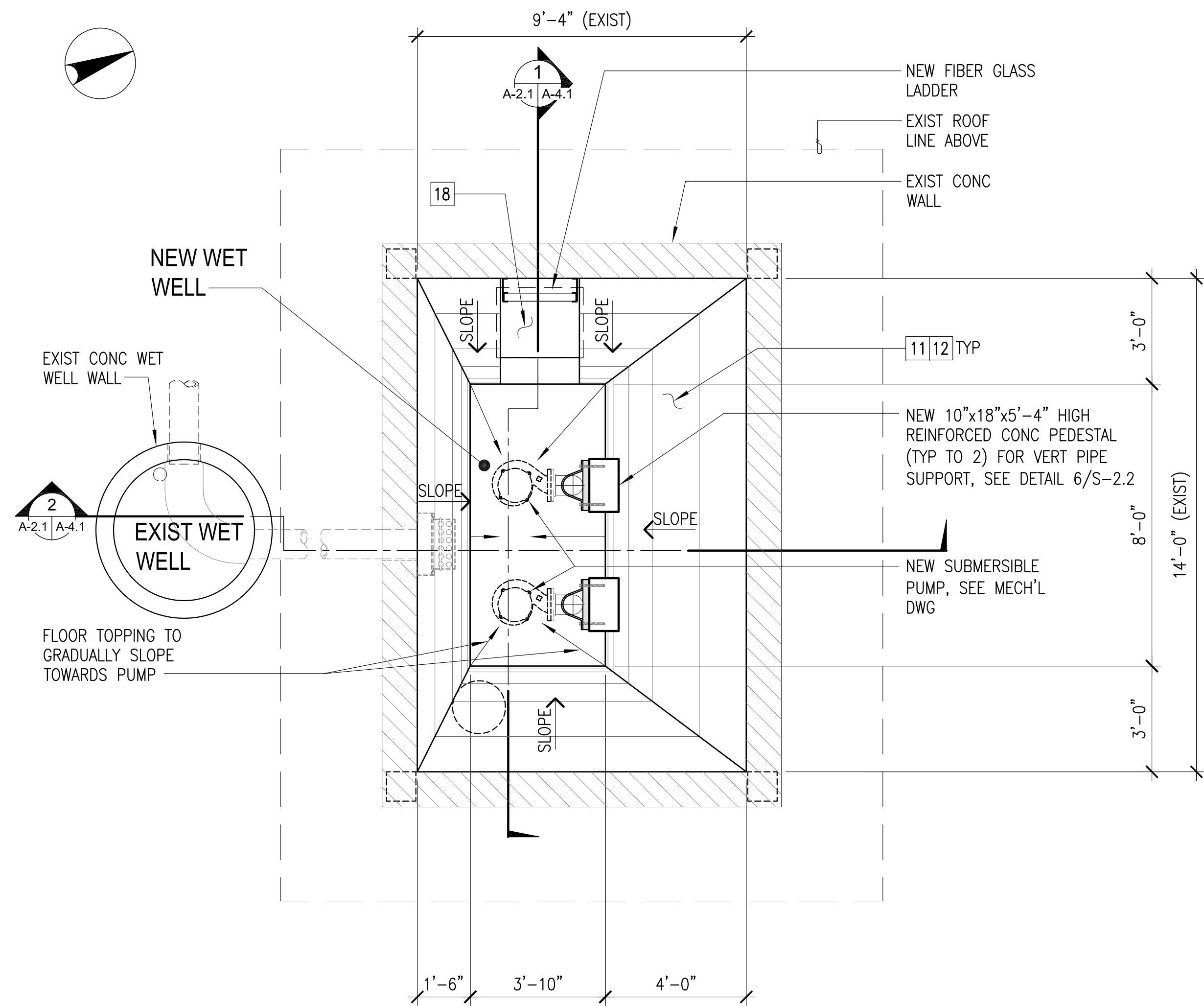
DEMOLITION KEYED NOTES:

- SAWCUT 3'-4"Wx7'-2"H AND DEMOLISH PORTION OF EXISTING WALL TO NEW OPENING FOR NEW DOOR.
- DEMOLISH/REMOVE EXISTING CONCRETE PAD.
- DEMOLISH/REMOVE EXISTING CONCRETE PLANK.
- EXISTING STEEL PIPE VENTS TO REMAIN (REFER TO MECHANICAL DRAWING FOR REFURBISHMENT REQUIREMENT).
- EXISTING STEEL ACCESS COVER TO REMAIN.
- EXISTING ELECTRICAL PANELS, BOXES, DEVICES TO BE REMOVED (REFER TO ELECTRICAL DEMOLITION PLAN).
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- EXISTING COLUMN CRACKS AND SPALLS, REFER TO SPECIFICATION FOR REPAIR.
- EXISTING PAD SPALLS, REFER TO SPECIFICATION FOR REPAIR.
- EXISTING HOLES AT WALLS TO PATCH WITH CEMENT.

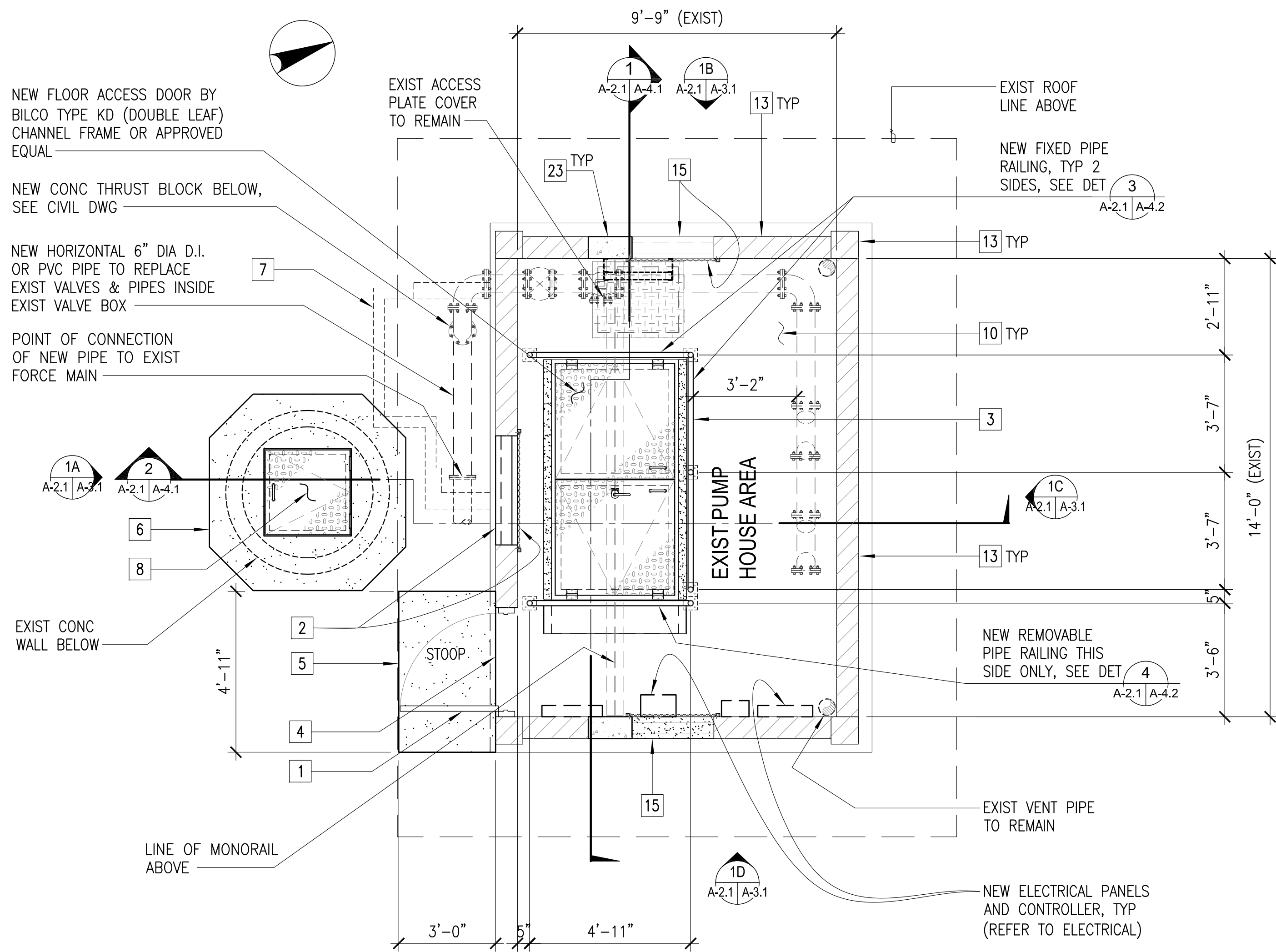
LEGEND:

DEMOLITION

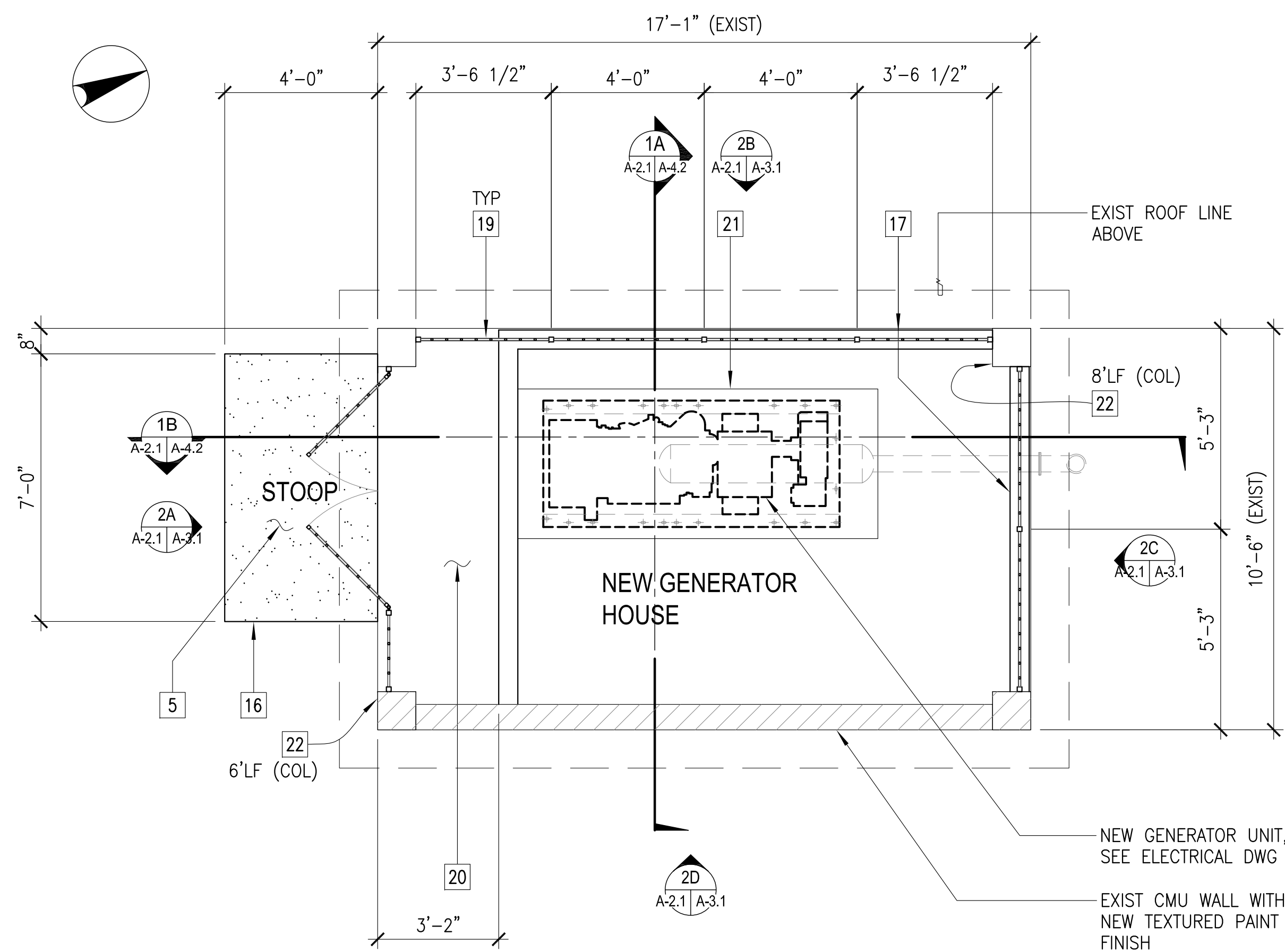
EMPSCO Engineering Management & Planning Services Corporation 1988 MARINE DRIVE, SUITE 200, BAYVIEW, GUAM 96912 TEL: (671) 438-0716 / 438-0718 FAX: (671) 438-2121			
REV	DATE	BY	DESCRIPTION
GWA NO.			
GRANT ID NO.			
CONTRACT NO.			
PROJECT NO.			
DES. BY: kje		CHIEF ENGR: .	PROJECT: BAYSIDE PUMP STATION REHABILITATION TAN MARIAN COATLA LP, TAMUNING, GUAM
DRN. BY: jl		ENGR. SUP: .	
CHK. BY: aht		PROJ. ENGR: .	
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION DATE: 05-17-2017		CONTENTS: EXISTING PUMP HOUSE BUILDING LONGITUDINAL SECTION DEMOLITION, EXISTING PUMP HOUSE BUILDING CROSS SECTION DEMOLITION and DEMOLITION KEYED NOTES	
		DRAWING NO. A-1.3 SHT. 9 OF 27	



1 NEW FLOOR PLAN - PUMP HOUSE LOWER FLOOR
 SCALE: 3/8" = 1'-0"



2 NEW FLOOR PLAN - PUMP HOUSE GROUND FLOOR
 SCALE: 3/8" = 1'-0"



3 NEW FLOOR PLAN - GENERATOR HOUSE
 SCALE: 3/8" = 1'-0"

NEW WORKS KEYED NOTES:

- 1 PROVIDE NEW HOLLOW METAL FLUSH DOOR AND FRAME (HOT DIPPED GALVANIZED) AND HARDWARES.
- 2 PROVIDE NEW CONCRETE WINDOW LOUVER TO MATCH EXISTING. PROVIDE INSECT SCREENS. SEE NOTE 15.
- 3 PROVIDE NEW HOT DIPPED GALVANIZED PIPE RAILING.
- 4 PROVIDE NEW LEVELING CONCRETE MORTAR UNDER NEW DOOR THRESHOLD.
- 5 PROVIDE NEW CONCRETE STOOP.
- 6 PROVIDE NEW CONCRETE COLLAR.
- 7 DEMOLISH TOP 12" OF CONCRETE WALL, BACKFILL AND COMPACT SOIL OVER THE EXISTING VALVE BOX.
- 8 PROVIDE NEW HINGED ALUMINUM ACCESS DOOR AND FRAME WITH LOCK. BILCO TYPE J-AL LIGHT DUTY OR APPROVED EQUAL.
- 9 PROVIDE NEW 2-TON MOTORIZED HOIST AT CENTER OF OPENING ON MOTORIZED TROLLEY TO FIT THE STRUCTURAL BEAM, SEE STRUCTURAL BEAM & COLUMN DETAILS 5/S-2.2.
- 10 PROVIDE NEW EPOXY PAINT FINISH ON EXISTING CONCRETE FLOOR SLAB.
- 11 PROVIDE NEW CONCRETE MORTAR TOPPING WITH 1 TO 1 SLOPE MAXIMUM, SEE SECTION FOR DETAILS.
- 12 PROVIDE POLYMORPHIC RESIN COATING THROUGHOUT WET WELL SURFACES. ON WALL SURFACES, PROVIDE COATING AT LEAST 12 FEET HIGH FROM BOTTOM.
- 13 PROVIDE NEW PAINT ON EXISTING CMU WALL AND COLUMN, TYPICAL.
- 14 PROVIDE NEW PAINT ON EXISTING CONCRETE BEAM AND FASCIA, TYPICAL.
- 15 PROVIDE NEW PAINT ON EXISTING CONCRETE LOUVERED WINDOWS, TYPICAL. INFILL PORTION OF WINDOW LOUVER w/ CONCRETE MORTAR AND PAINT WHERE ELECTRICAL CONTROLS AND PANELS WILL BE INSTALLED. PROVIDE NEW INDUSTRIAL GRADE INSECT SCREENS ON ALUMINUM FRAMES WITH HEAVY GAGE WIRE MESH OVER THE INTERIOR SIDE OF ALL THE LOUVER WINDOWS.
- 16 PROVIDE NEW PAINTED CAST-IRON GRILLE DOUBLE DOOR.
- 17 PROVIDE 6" THICK x 12" HIGH PERIMETER CONCRETE CONTAINMENT CURB.
- 18 PROVIDE NEW CONCRETE STEPS.
- 19 PROVIDE NEW PAINTED CAST-IRON GRILLES ON THREE SIDES INCLUDING AROUND DOOR.
- 20 REPAIR EXISTING CONCRETE FLOOR SLAB CRACKS AND PAINT WITH NEW EPOXY PAINT.
- 21 PROVIDE NEW CONCRETE PAD WITH NEW JOINT FILLER TO REPLACE EXISTING TO MATCH NEW GENERATOR.
- 22 REPAIR EXISTING CRACKS AND SPALLS ON EXISTING CONCRETE PAD, COLUMNS AND BEAM.
- 23 8"x16" NEW CONCRETE COLUMN FOR MONORAIL BEAM, SEE STRUCTURAL FOR REINFORCEMENT DETAILS.
- 24 PROVIDE MORTAR CHANELLING AT BOTTOM OF MANHOLE FROM INLET TO OUTLET PIPE.

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REV	DATE	BY	DESCRIPTION			APPROVED BY
 I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION DATE: 05-17-2017		GWA NO.		 GUAM WATERWORKS AUTHORITY GOVERNMENT OF GUAM		
		GRANT ID NO.				
		CONTRACT NO.		ENGINEERING DIVISION		
		PROJECT NO.				
		PROJECT:		BAYSIDE PUMP STATION REHABILITATION TAN MARIAN COATLA LP, TAMUNING, GUAM		
DES. BY: kje		CHIEF ENGR.:		CONTENTS: NEW FLOOR PLAN-PUMP HOUSE LOWER FLOOR, NEW FLOOR PLAN-PUMP HOUSE GROUND FLOOR, NEW FLOOR PLAN-GENERATOR HOUSE, AND NEW WORKS KEYED NOTES		
DRN. BY: jl		ENGR. SUP.:				
CHK. BY: rmca		PROJ. ENGR.:				
					DRAWING NO. A-2.1	
					SHT. 10 OF 27	

GRAPHIC SCALE:

