



# MACOMB COUNTY EXECUTIVE MACOMB COUNTY PAVING 2024 PAVING PROJECTS VARIOUS SITES

## LOCATIONS:

- HEALTH DEPARTMENT BUILDING
- DEPARTMENT OF PUBLIC WORKS
- 42nd DISTRICT COURT - NEW BALTIMORE
- MACOMB COUNTY ADMINISTRATION PARKING DECK

ISSUED FOR: Bids  
 DATE: JULY 1, 2024  
 PROJECT NO.: 242034

## ARCHITECT:

WAKELY ASSOCIATES, INC./ ARCHITECTS  
 30500 VAN DYKE AVE, SUITE 209, WARREN, MI 48093, 586-573-4100

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ARCHITECTURAL DRAWINGS:	
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NORTH  
 LOCATION MAP - CENTRAL CAMPUS

NORTH  
 LOCATION MAP - 42ND DIST. COURT - NEW BALTIMORE

Macomb County Paving, 2024 Paving Projects  
 Issued for: Bids, Date: JULY 1, 2024 Project No.: 242034

**GENERAL NOTES:**

- NOTE TO THE CONTRACTOR(S): THREE (3) WORKING DAYS BEFORE YOU DIG, CALL MISS DIG TOLL FREE 1-800-482-7171 FOR UTILITY LOCATIONS ON THE GROUNDS.
- REMOVE EXISTING ASPHALT PAVING, CONCRETE, SIGNAGE AND VEGETATION AS REQUIRED TO COMPLETE NEW WORK AS SHOWN.
- COORDINATE WORK WITH MR. GARY NILSON OF MACOMB COUNTY FACILITIES & OPERATIONS, THREE (3) DAYS PRIOR TO COMMENCING.
- PROVIDE PROTECTION FOR FIXED EQUIPMENT AND VEGETATION DURING CONSTRUCTION. REPAIR AND/OR REPLACE EQUIPMENT OR MATERIAL DAMAGED DURING THE CONSTRUCTION OPERATION.
- MAINTAIN GENERAL DRAINAGE PATTERNS UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL CLEAN UP ALL DEBRIS AND MATERIALS RESULTING FROM HIS/HER OPERATION AND RESTORE ALL LAWN AREAS, PAVED SURFACES, STRUCTURES, DITCHES AND THE GENERAL AREA TO ITS ORIGINAL CONDITIONS.
- DO NOT SCALE DRAWINGS.
- RESTORE LAWN AREA PER SPECIFICATIONS.
- CONTRACTOR SHALL OBTAIN ALL PERMITS AS REQ'D BY THE CITY, TOWNSHIP, OR COUNTY INCLUDING R.O.W. PERMITS
- ALL EXISTING DIMENSIONS SHOWN ON PLANS ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR
- RE-STRIP REPAVED AREAS PER SPECS

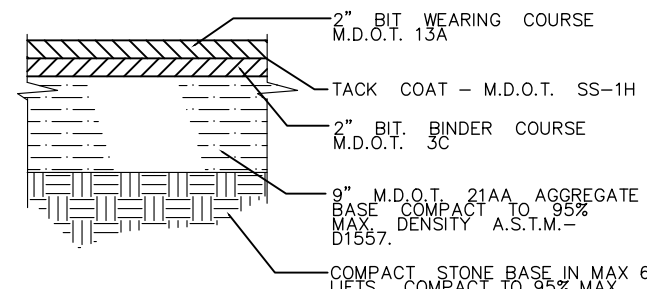
**WA**

WAKELY ASSOCIATES, INC.  
ARCHITECTS & ENGINEERS

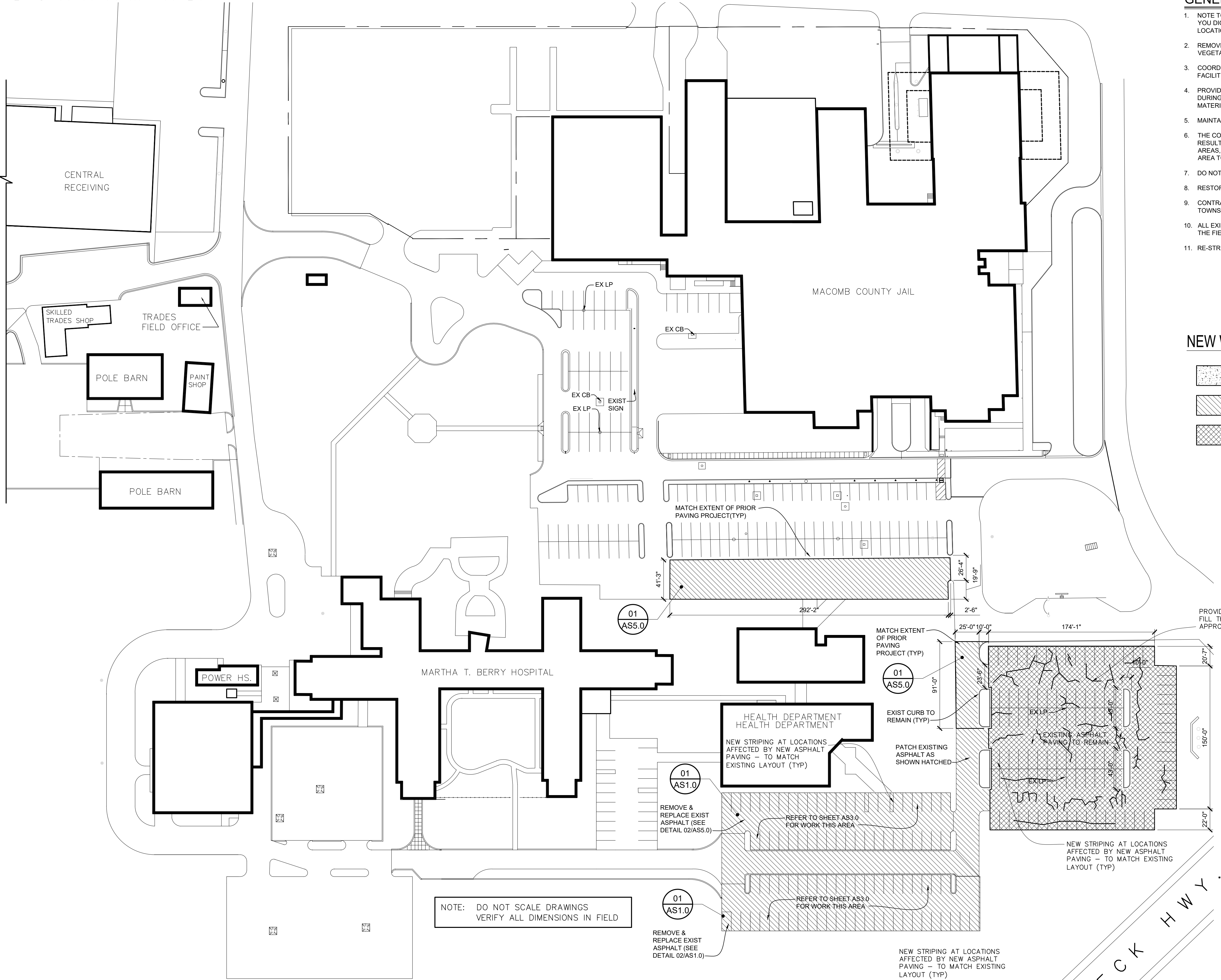
30500 VAN DYKE AVENUE  
SUITE 209  
WARREN, MICHIGAN 48093  
PH: 586.573.4100  
FX: 586.573.0822  
EM: wa@wakelyga.com

**NEW WORK PAVING KEY**

- SAWCUT, REMOVE, AND REPLACE EXISTING CONCRETE AND BASE
- SAWCUT, REMOVE, AND REPLACE EXISTING ASPHALT PAVING AND BASE
- CRACK FILL AND RESEAL ENTIRE PARKING LOT AS INDICATED



**01 ASPHALT PAVING DETAIL**  
NO SCALE



NOTE: DO NOT SCALE DRAWINGS  
VERIFY ALL DIMENSIONS IN FIELD

**SITE PLAN**  
- MACOMB COUNTY JAIL CAMPUS

SCALE: 1" = 50' - 0"

NOTE: DO NOT SCALE DRAWINGS  
VERIFY ALL DIMENSIONS IN FIELD

GROESBECK HWY.

**2024 MACOMB COUNTY PAVING**  
VARIOUS SITES

ARCHITECTURAL SITE PLAN

- PRELIMINARY
- DESIGN DEVELOPMENT
- CONSTRUCTION
- FINAL RECORD

DRAWN BY: JMS  
CHECKED BY: RAS

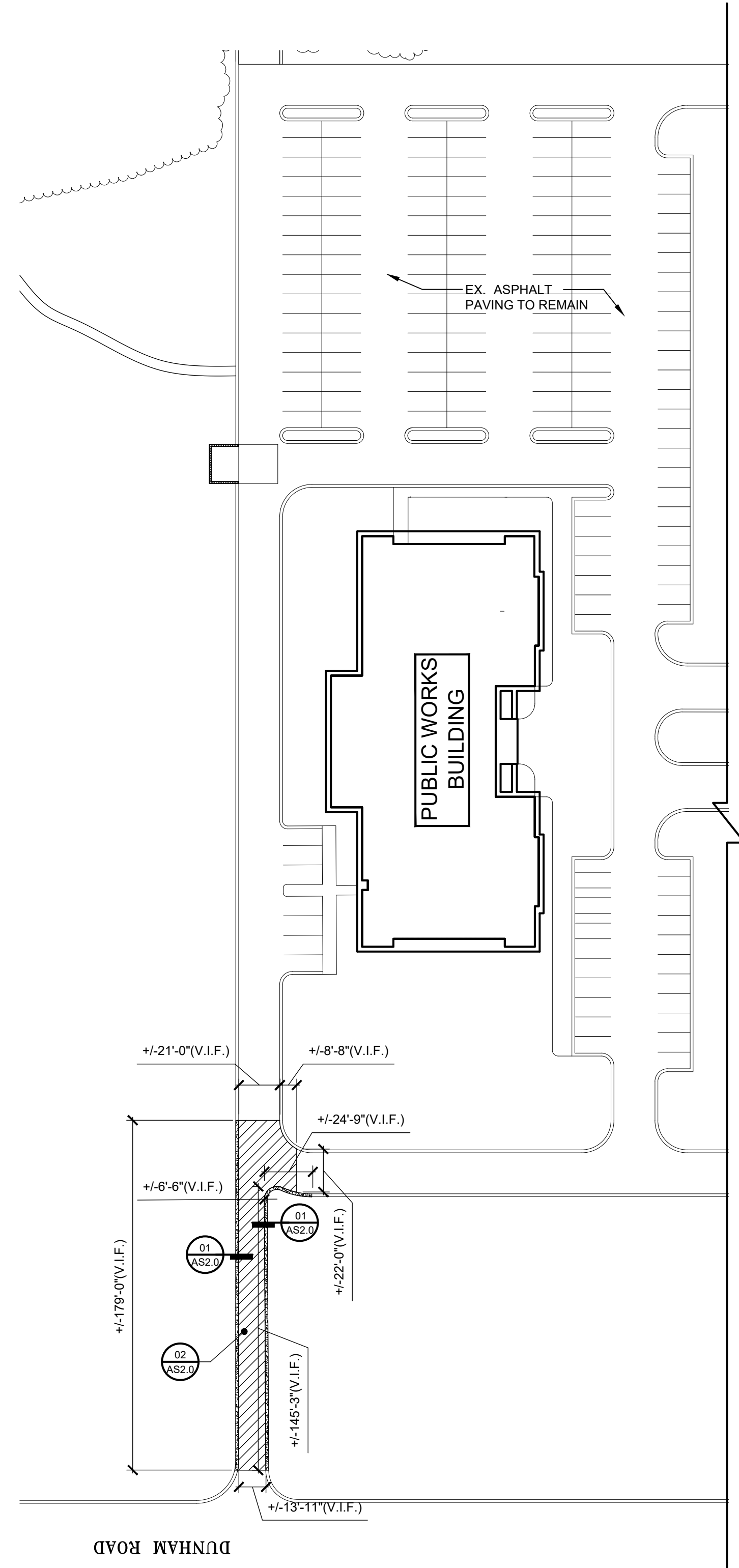
REVISIONS:

DATE: JULY 1, 2024  
SHEET NO.:

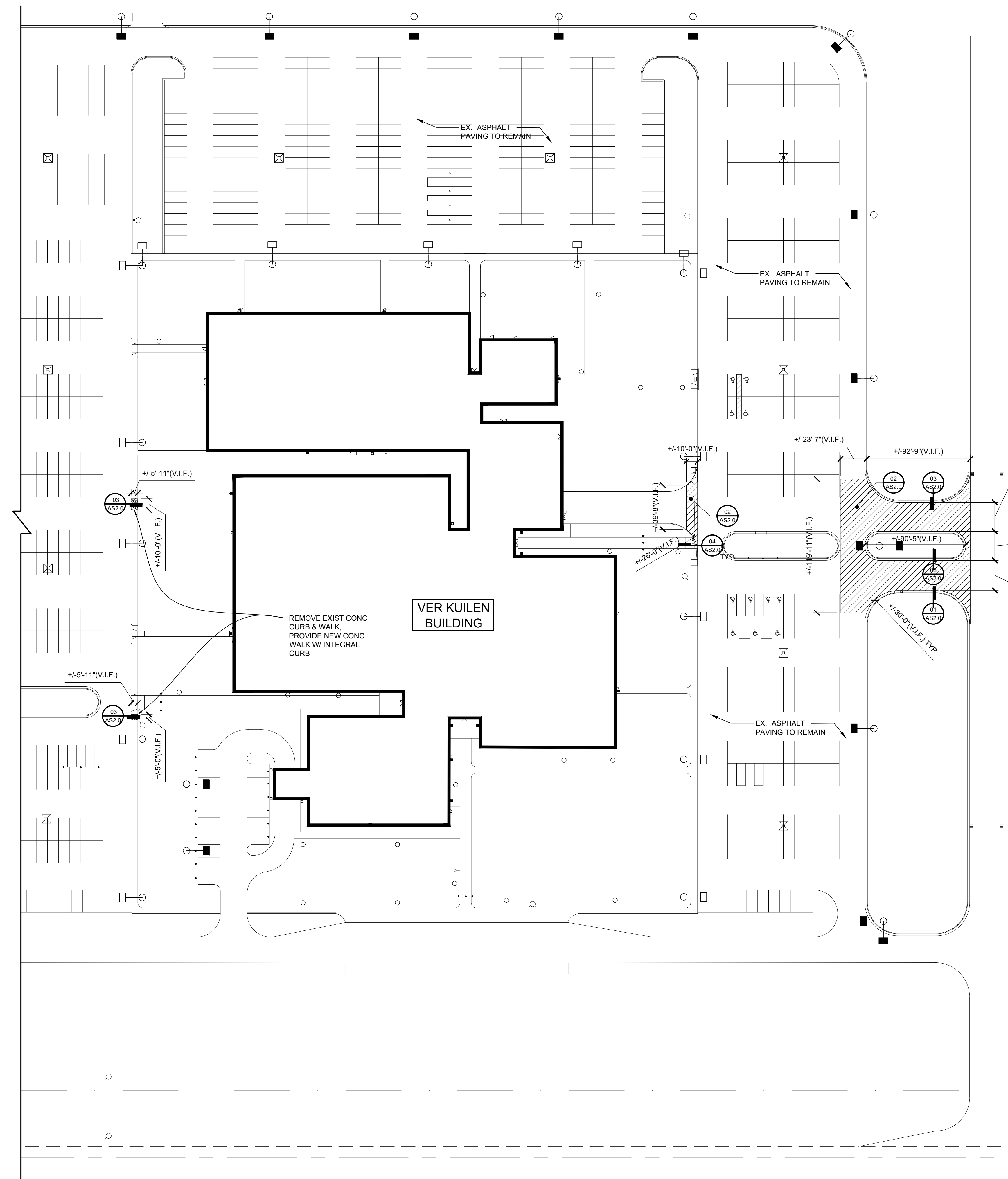
**AS1.0**

JOB NO.: 242034

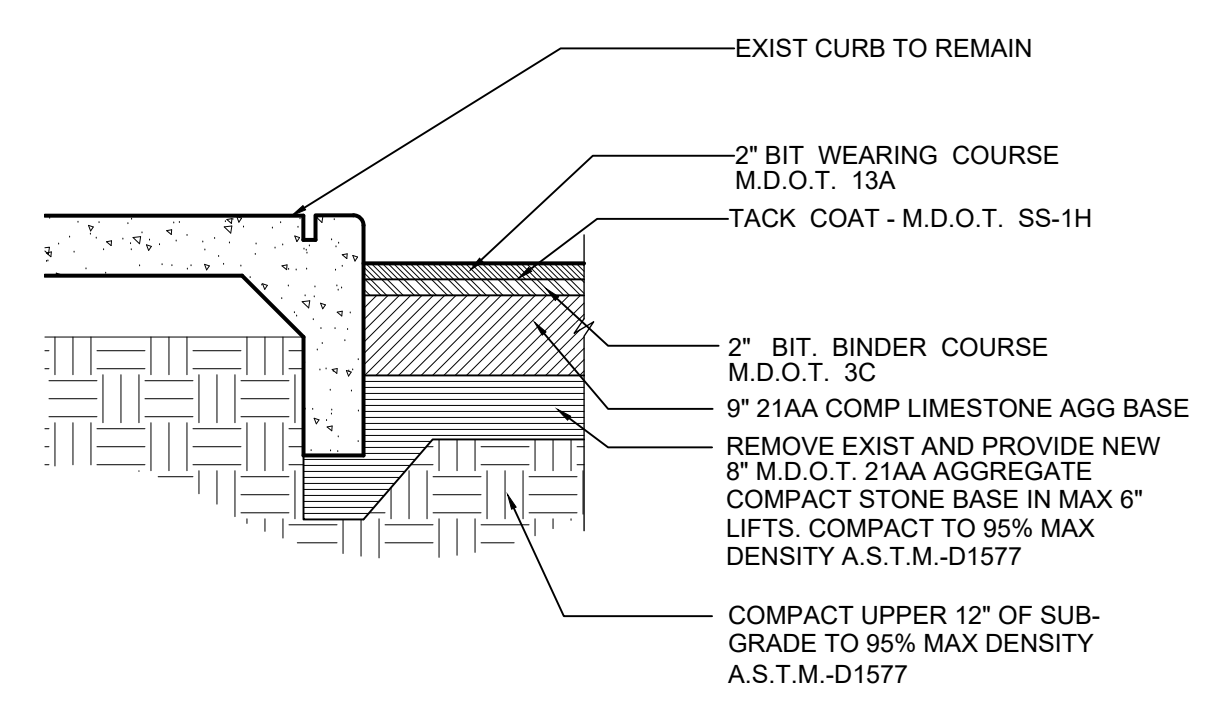
72 HOURS  
(3 WORKING DAYS) |  
BEFORE YOU DIG  
CALL MISS DIG  
800-482-7171  
(TOLL FREE)



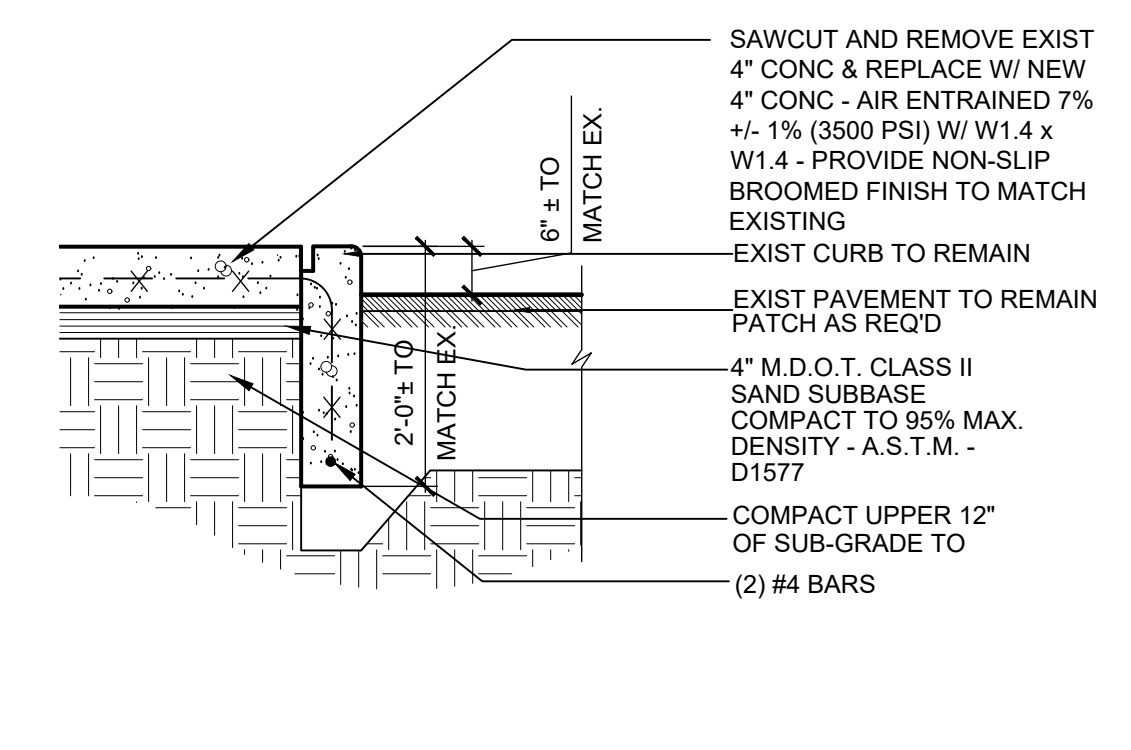
**SITE PLAN**  
-PUBLIC WORKS BUILDING  
SCALE: 1" = 50' - 0"



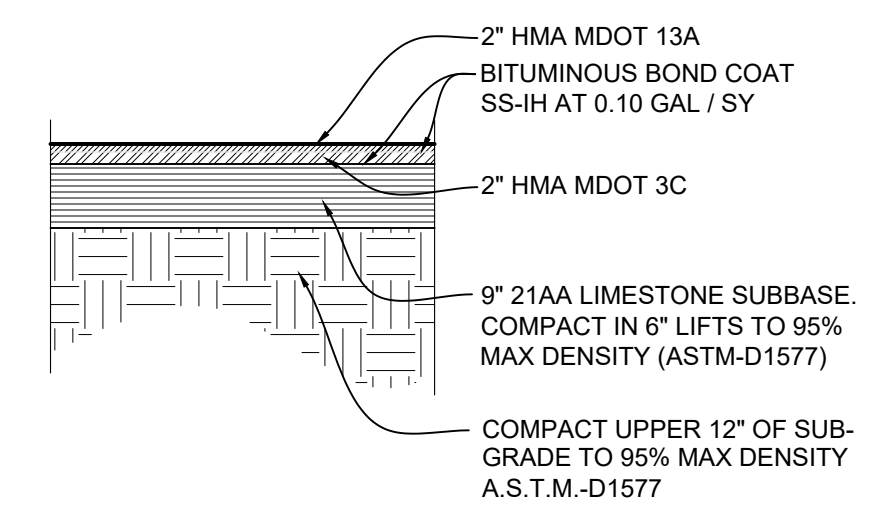
**SITE PLAN**  
-VER KUILEN BUILDING  
SCALE: 1" = 50' - 0"



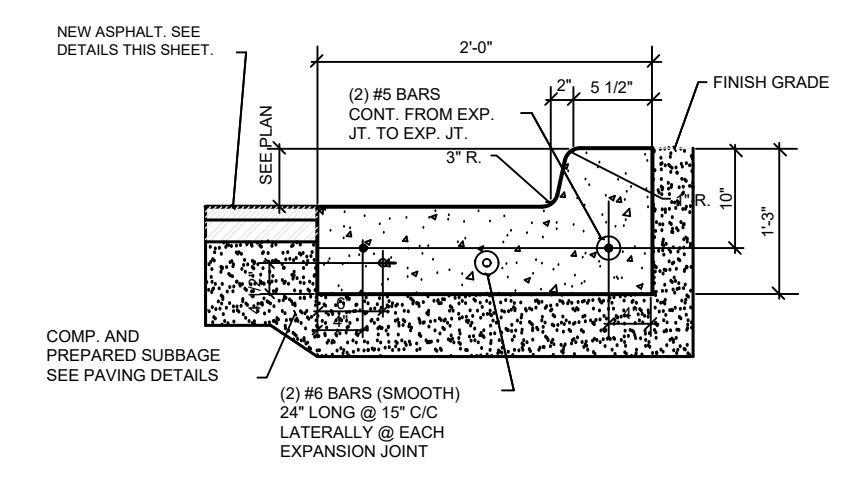
**04**  
AS2.0  
**INTEGRAL CONCRETE CURB DETAIL**  
NO SCALE



**03**  
AS2.0  
**4\"/>**



**02**  
AS2.0  
**ASPHALT PAVING DETAIL**  
NO SCALE



**01**  
AS2.0  
**CURB DETAIL**  
NO SCALE

**GENERAL NOTES:**

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**2024 MACOMB COUNTY PAVING**  
VARIOUS SITES

PUBLIC WORKS BUILDING & VERKUILEN BUILDING - SITE PLAN

PRELIMINARY   
DESIGN DEVELOPMENT   
CONSTRUCTION   
FINAL RECORD   
DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_

REVISIONS


DATE: JULY 1, 2024  
SHEET NO.  
**AS2.0**

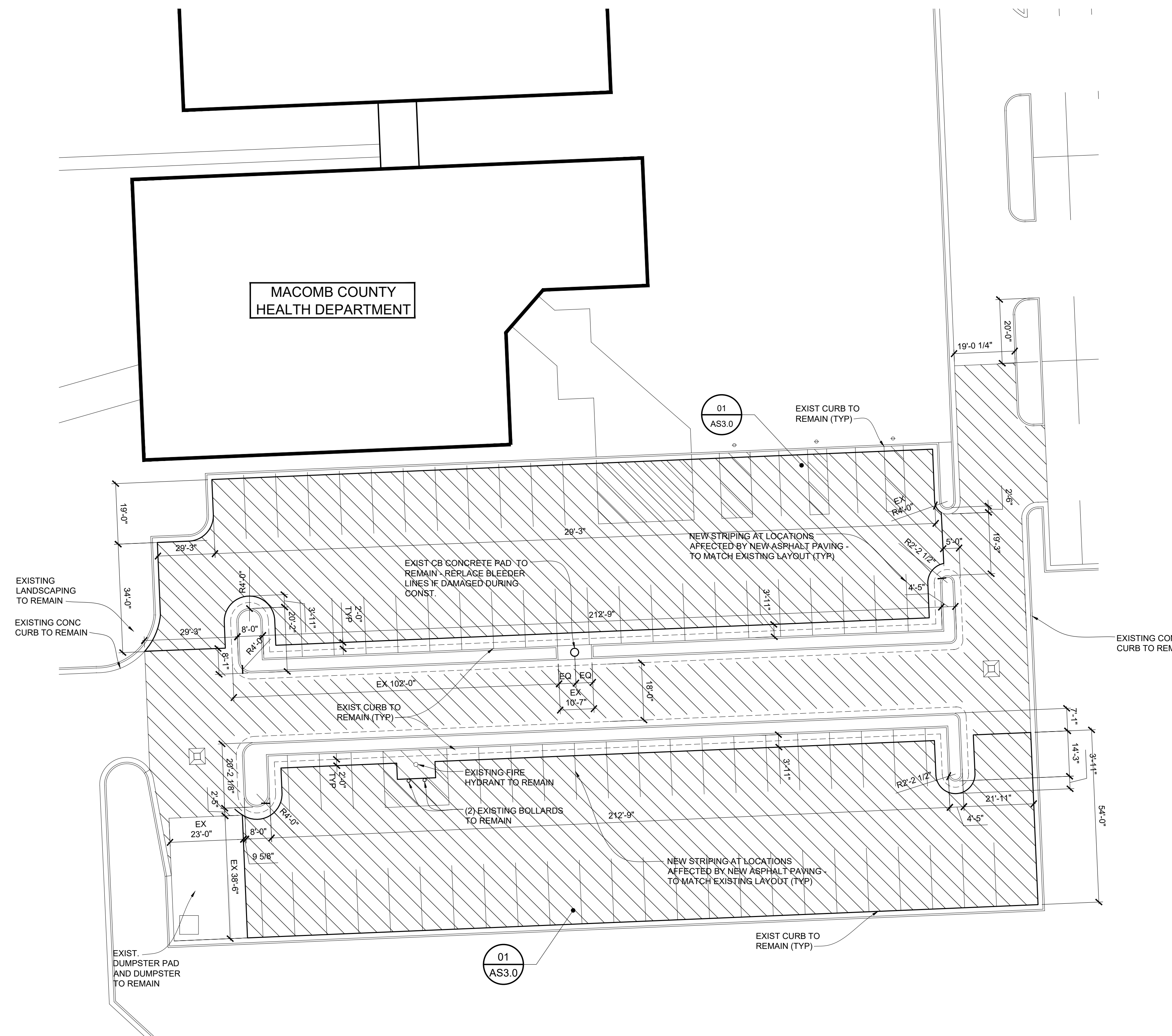
JOB NO.  
242034

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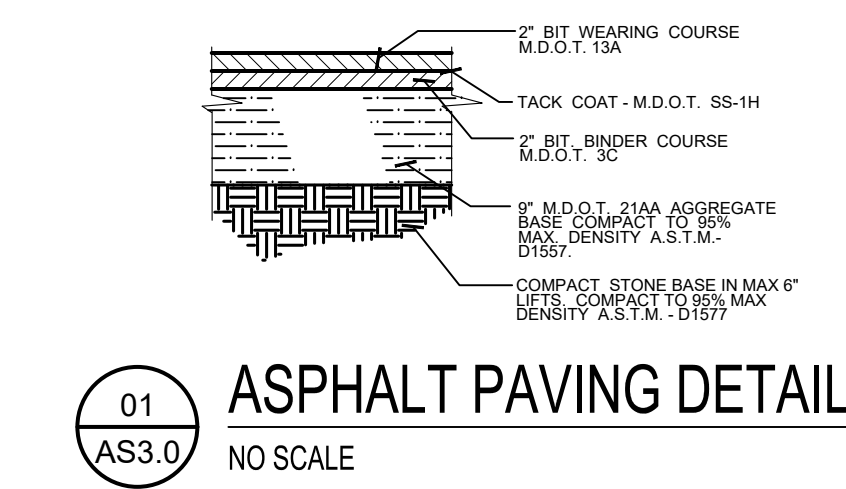
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**SITE PLAN**  
- MACOMB COUNTY HEALTH DEPARTMENT  
SCALE: 1" = 50' - 0"

NOTE: DO NOT SCALE DRAWINGS  
VERIFY ALL DIMENSIONS IN FIELD



**2024 MACOMB COUNTY PAVING**  
VARIOUS SITES

HEALTH DEPARTMENT -  
PARTIAL SITE PLAN

- PRELIMINARY
- DESIGN DEVELOPMENT
- CONSTRUCTION
- FINAL RECORD

DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
REVISIONS

DATE: JULY 1, 2024  
SHEET NO.

**AS3.0**

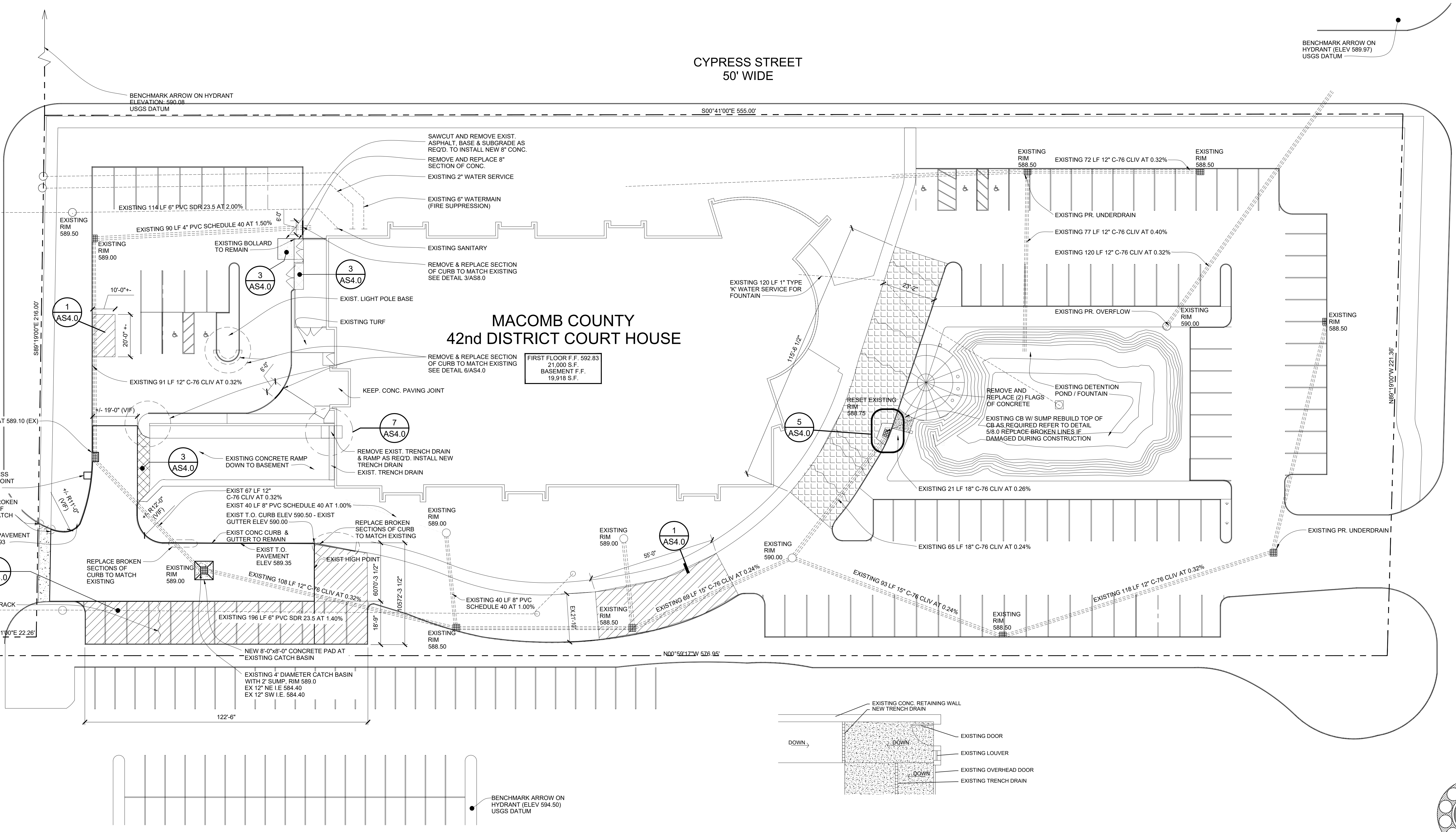
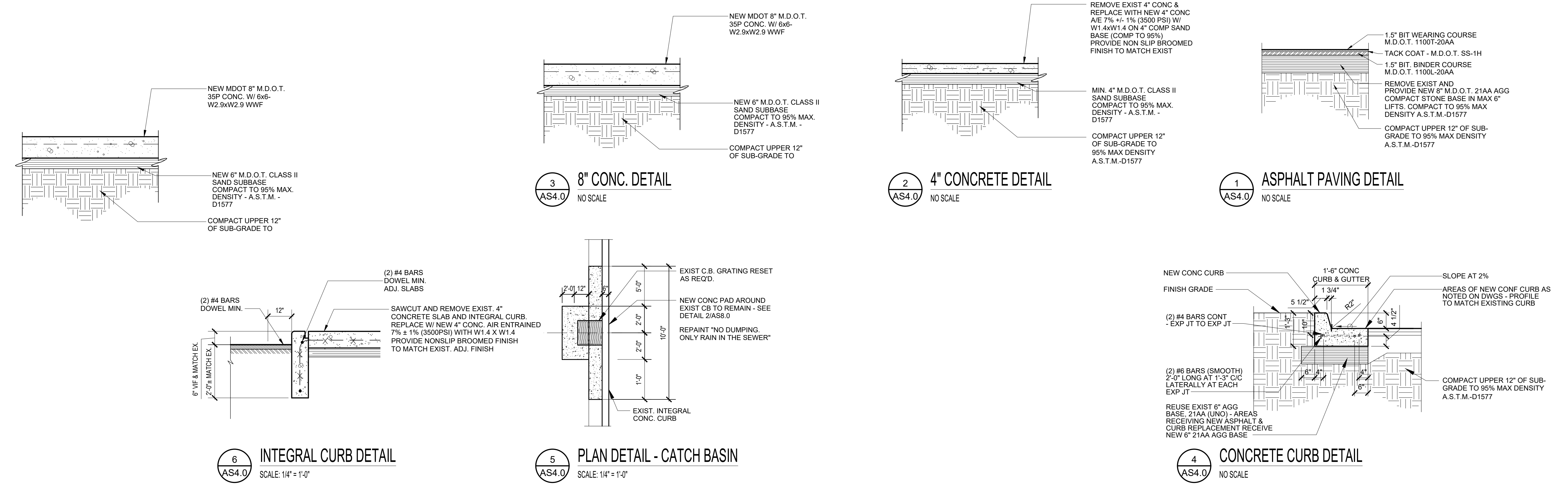
JOB NO. 242034

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**LEGEND:**

- SAWCUT & REMOVE EXISTING ASPHALT PAVING & BASE AND REPLACE W/ NEW ASPHALT PAVING & BASE AS INDICATED
- REMOVE EXIST 8" CONC. SLAB & REPLACE W/ NEW 8" CONC. SEE DETAIL 4/AS4.0
- SAWCUT & REMOVE EXISTING ASPHALT PAVING & BASE AND REPLACE W/ NEW CONCRETE PAVING & BASE
- CRACK FILL / SEAL EXISTING ASPHALT PAVING TO REMAIN - QTY'S AS INDICATED ON PLANS
- REMOVE EXIST 4" CONC WALK & REPLACE W/ NEW 4" CONC WALK - SEE DETAIL 02/AS1.0



42nd DISTRICT COURT  
NEW BALTIMORE, MI  
SITE PLAN & DETAILS

PRELIMINARY  
DESIGN DEVELOPMENT  
CONSTRUCTION  
FINAL RECORD

DRAWN BY: JMS  
CHECKED BY: RAS

REVISIONS:

DATE: JULY 1, 2024  
SHEET NO. AS4.0

JOB NO.: 242024



30500 VAN DYKE AVENUE  
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EM: wo@wakelyia.com

2024 MACOMB COUNTY PAVING  
VARIOUS SITES

RESTRIPING PLAN

PRELIMINARY   
DESIGN DEVELOPMENT   
CONSTRUCTION   
FINAL RECORD

DRAWN BY: JMW  
CHECKED BY: RAS

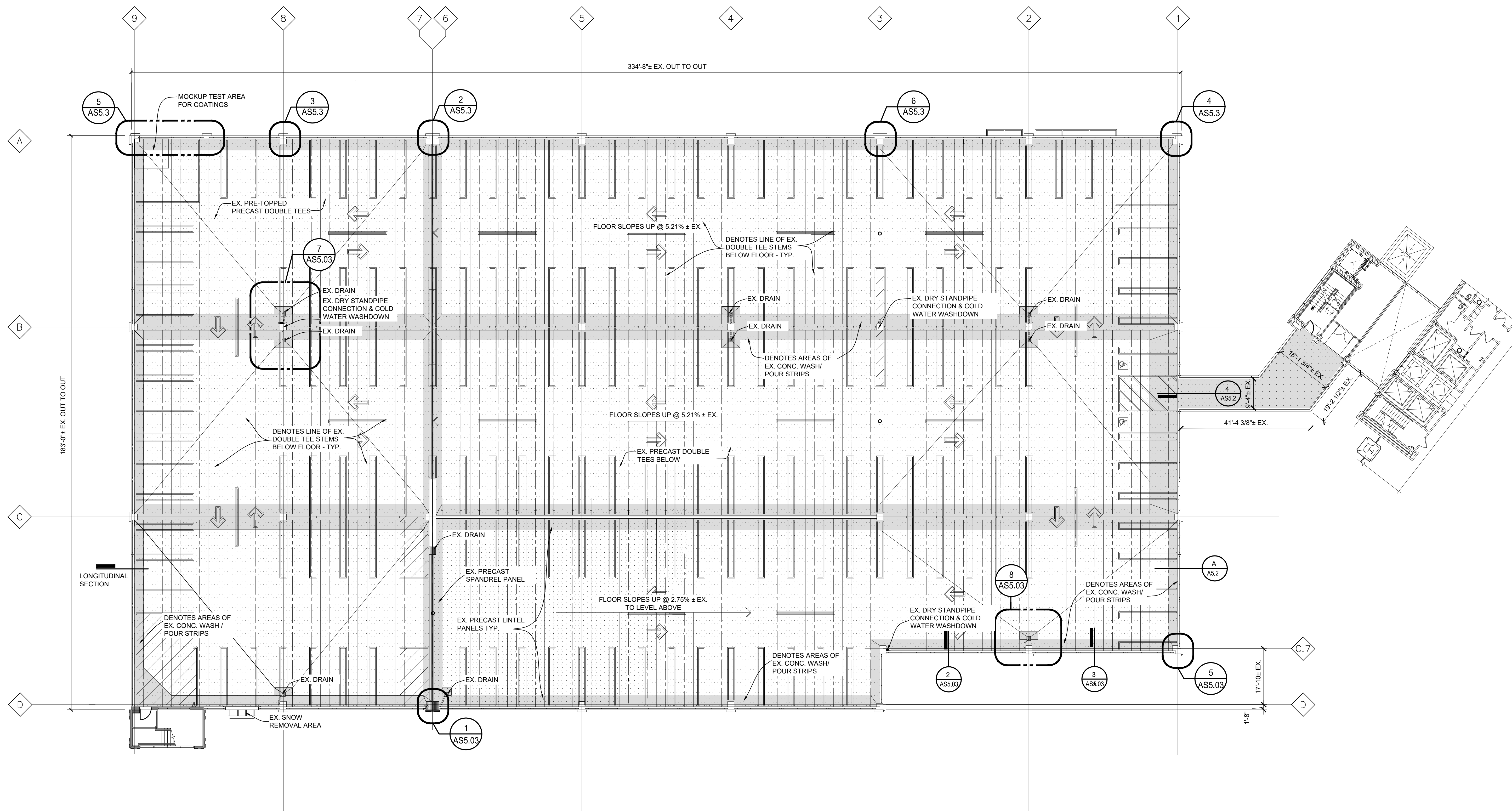
REVISIONS:	DATE:	BY:

DATE: JULY 1, 2024

SHEET NO.:

AS5.0

JOB NO.: 242034



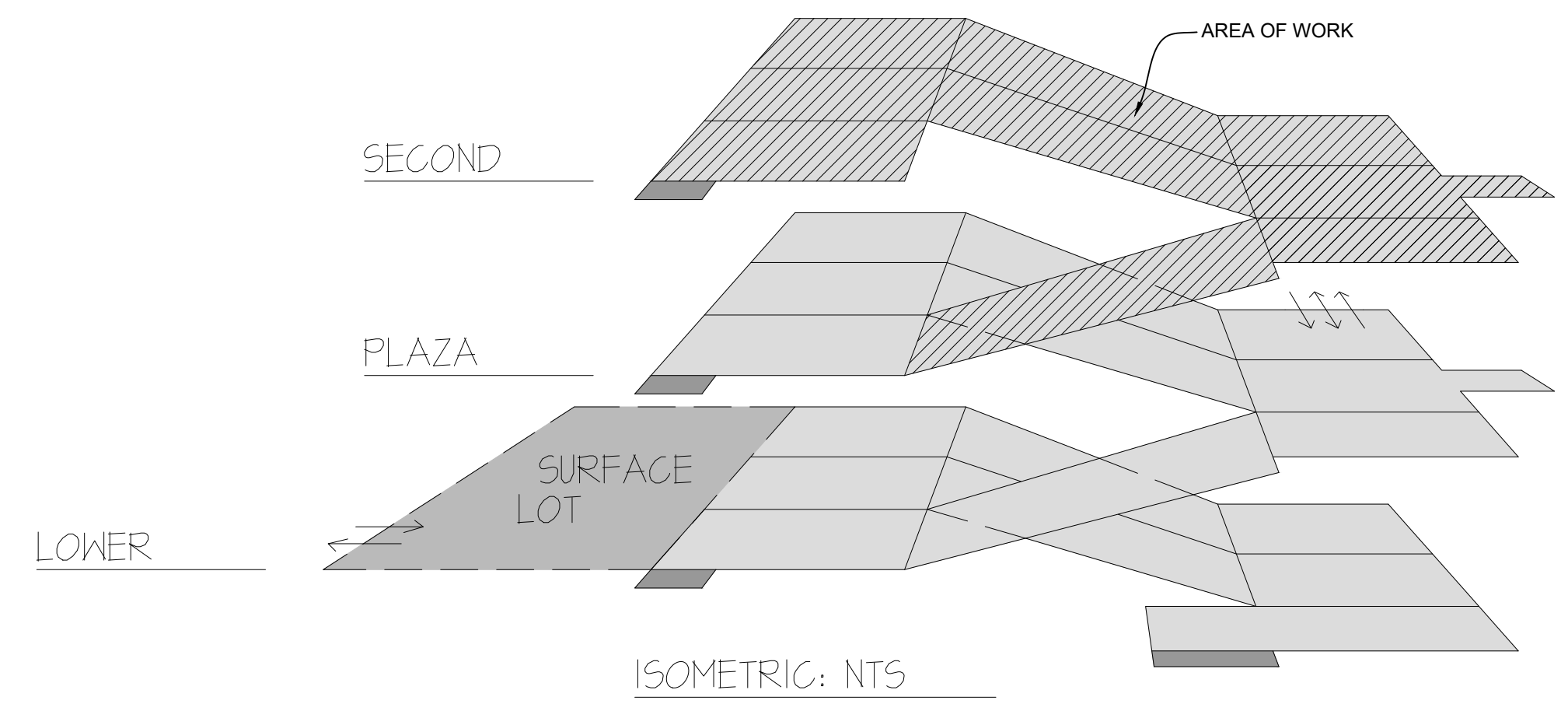
1 AS5.0 SECOND LEVEL DEMO FLOOR PLAN  
SCALE: 1/16" = 1'-0"

**CAULKING / SEALANT NOTE:**  
 REMOVE AND REPLACE ALL BACKER ROD AND SEALANT (COLOR BY ARCHITECT) AT ALL EXPOSED EXTERIOR JOINTS - DECK, WALLS, COLUMNS, ETC IN AREA OF WORK AS INDICATED.  
 REMOVE AND REPLACE SEALANT (COLOR TO MATCH CONCRETE FLOOR) IN TOOLED JOINTS ALONG TOP AND BOTTOM OF C.I.P. CONC. WASH / POUR STRIPS (REFER TO SEALANT DETAIL, ISOMETRIC)  
 REMOVE AND REPLACE ALL CONTS BACKER ROD AND SEALANT (COLOR TO MATCH CONCRETE FLOOR) AT ALL DOUBLE TEE TO DOUBLE TEE FLOOR JOINTS

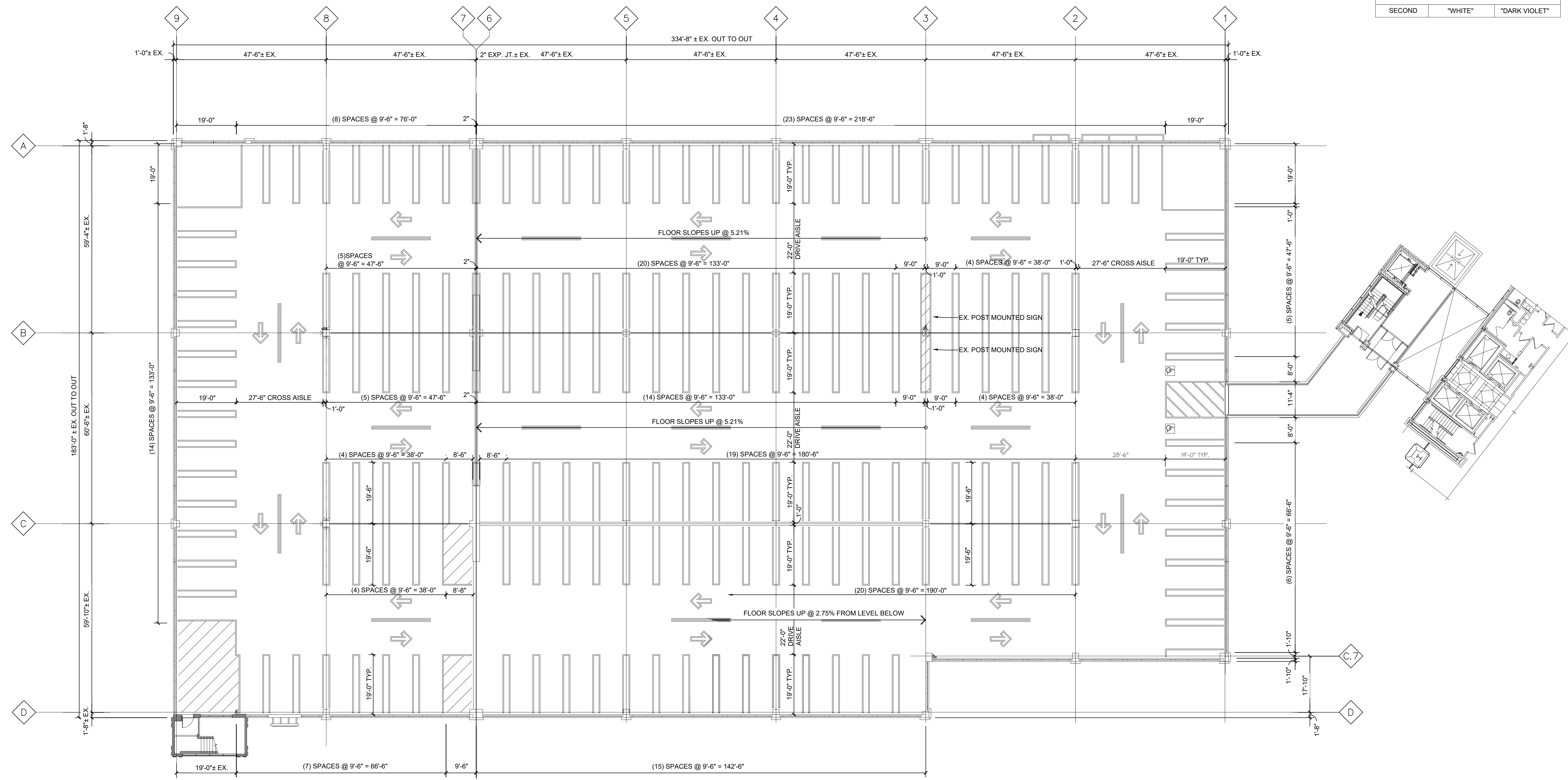
ENTIRE EXPOSED ROOF LEVEL OF GARAGE TO BE COVERED WITH TRAFFIC BEARING WATERPROOFING

**DEMO FLOOR PLAN LEGEND:**

- EX. CAST IN PLACE CONCRETE POUR STRIP / TOPPING TO REMAIN. REMOVE AND REPLACE EXISTING SEALANT AND BACKER ROD AS INDICATED
- REMOVE EX. TRAFFIC BEARING WATERPROOFING (T.B.W.P.) AND EXISTING STRIPING DOWN TO EX. PRECAST CONC. DECK AND REAPPLY LIQUID APPLIED WATERPROOFING AGENT, NEW TRAFFIC BEARING WATERPROOF COATING, AND RESTRIPE AND REAPPLY DIRECTIONAL ARROWS, ETC. REFER TO AS.1 FOR RESTRIPE PLAN

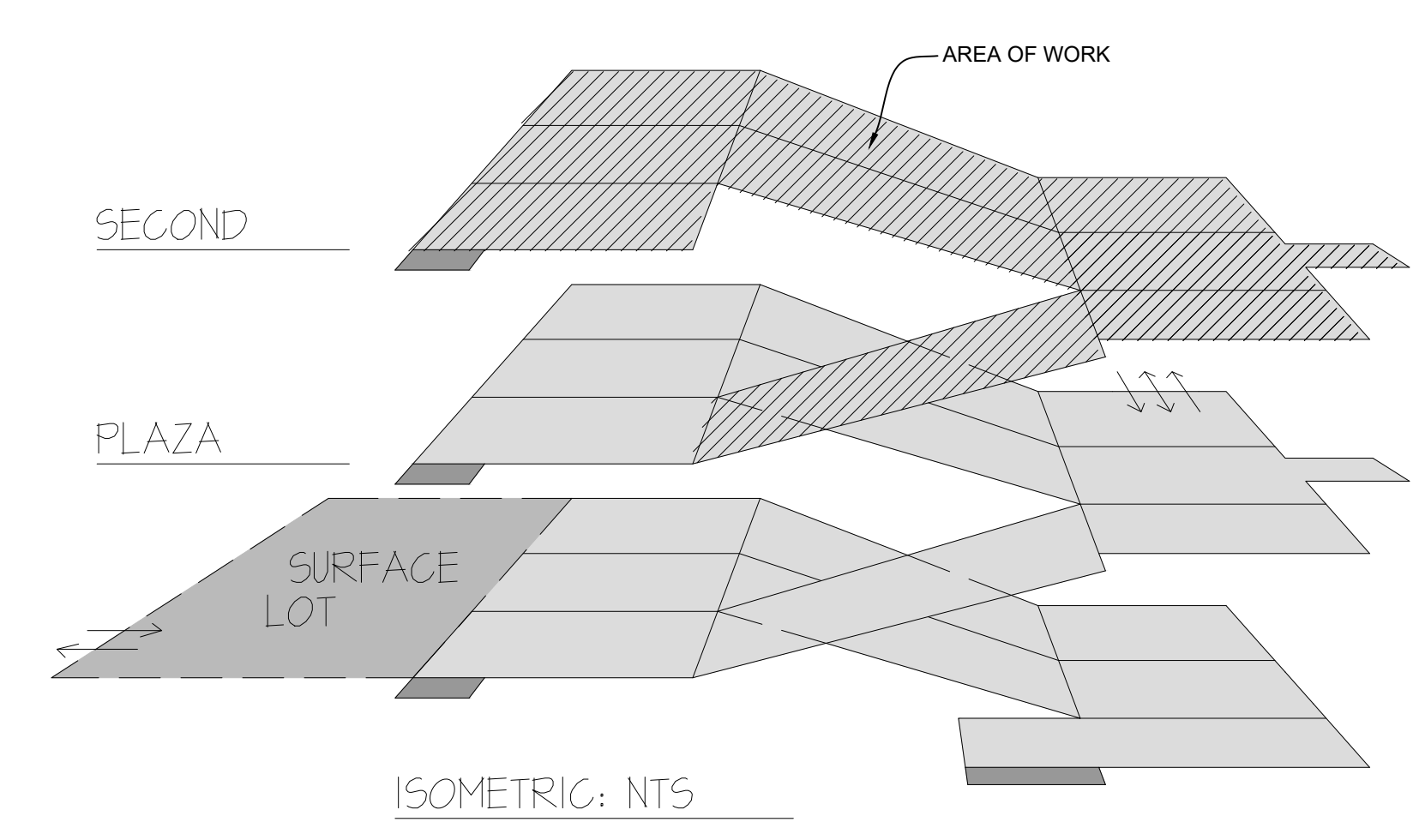
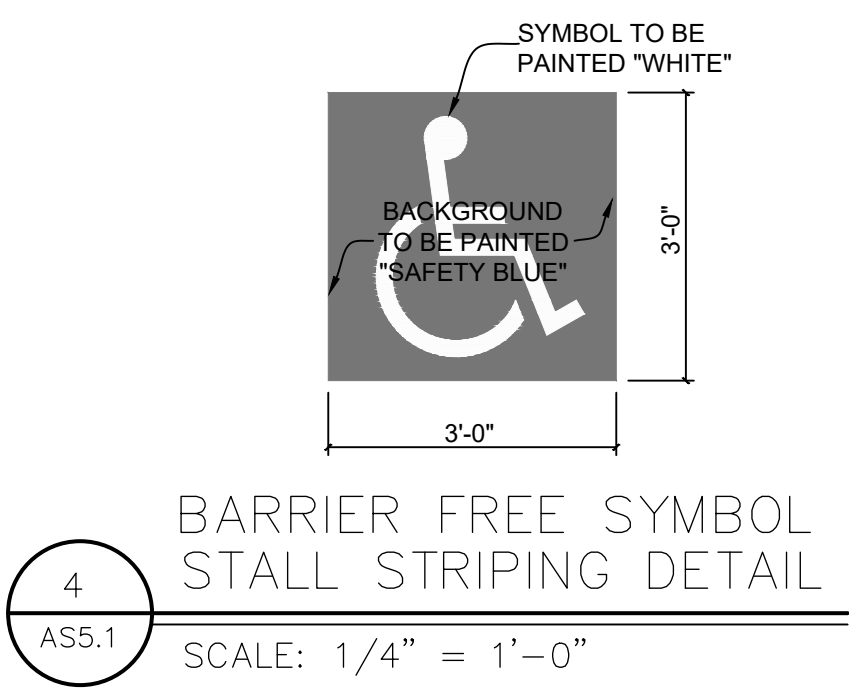
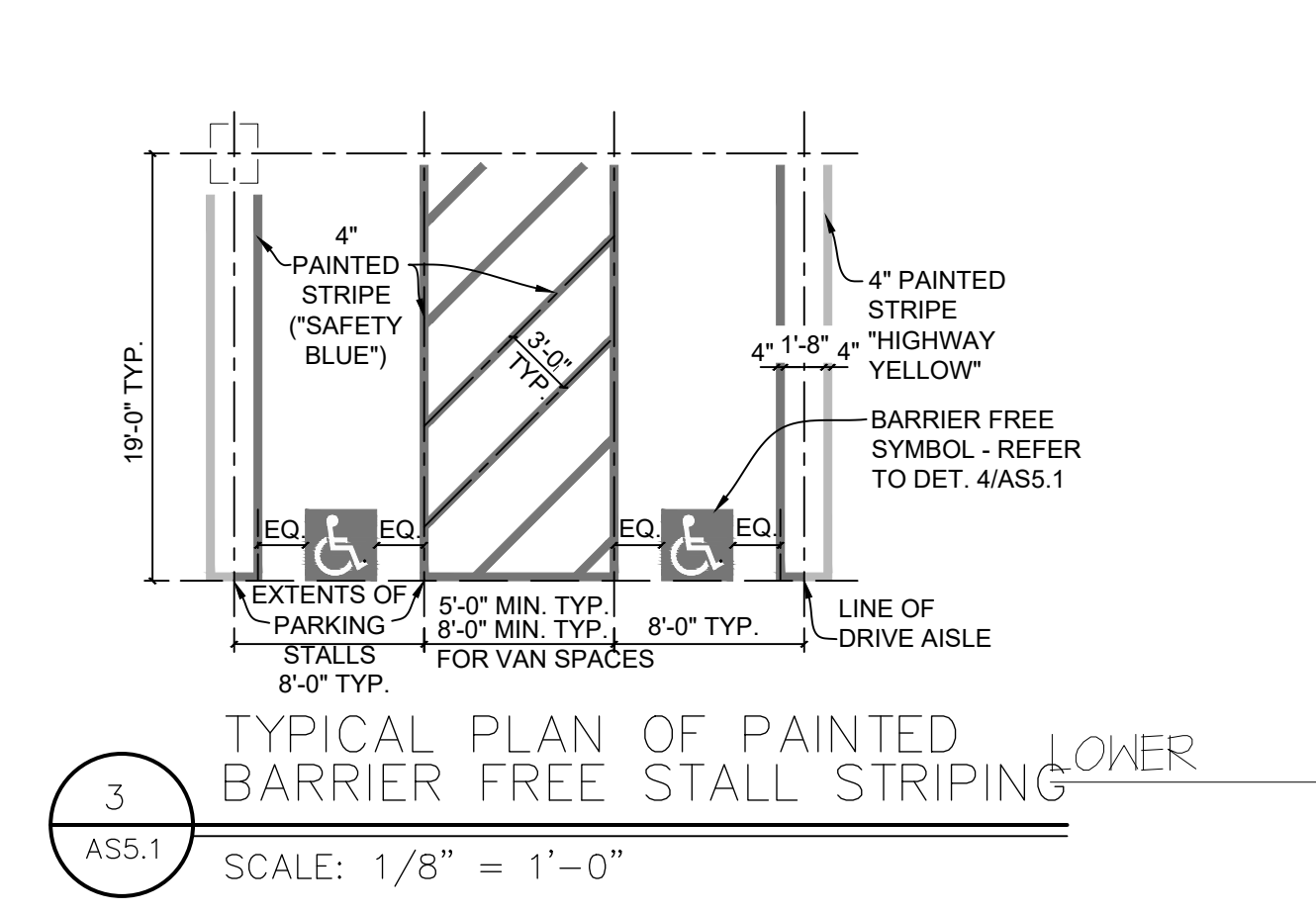
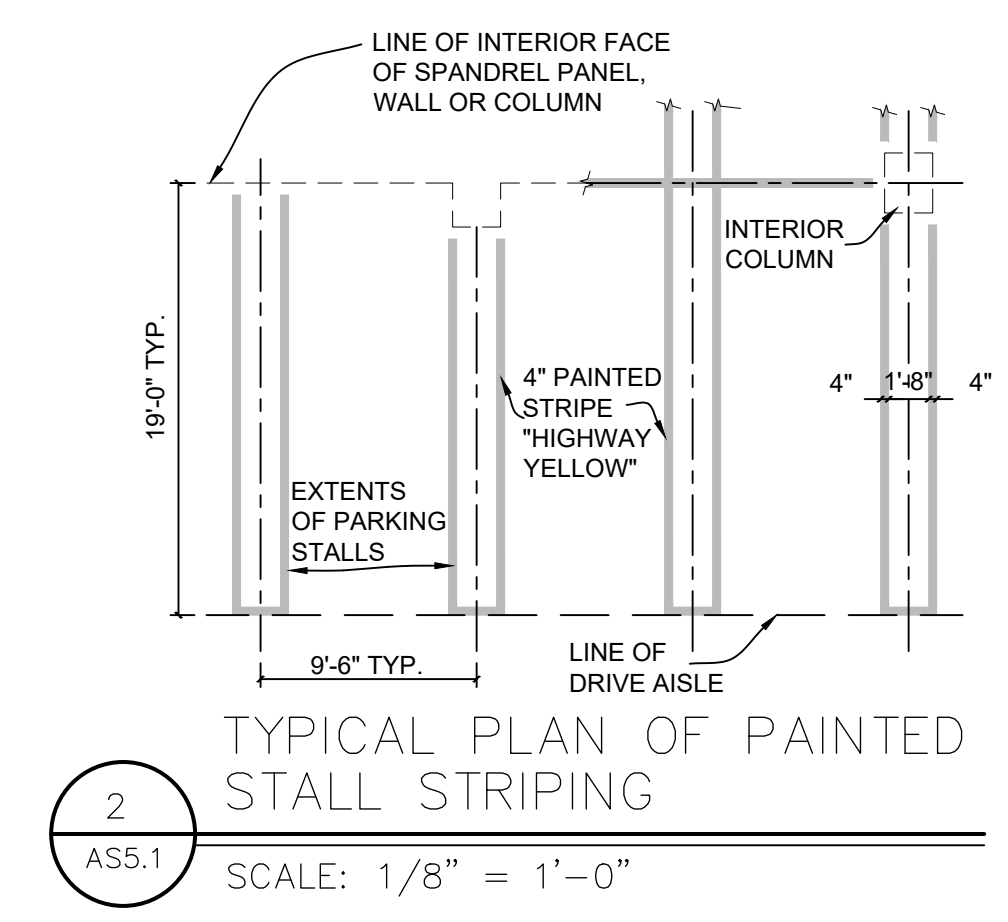
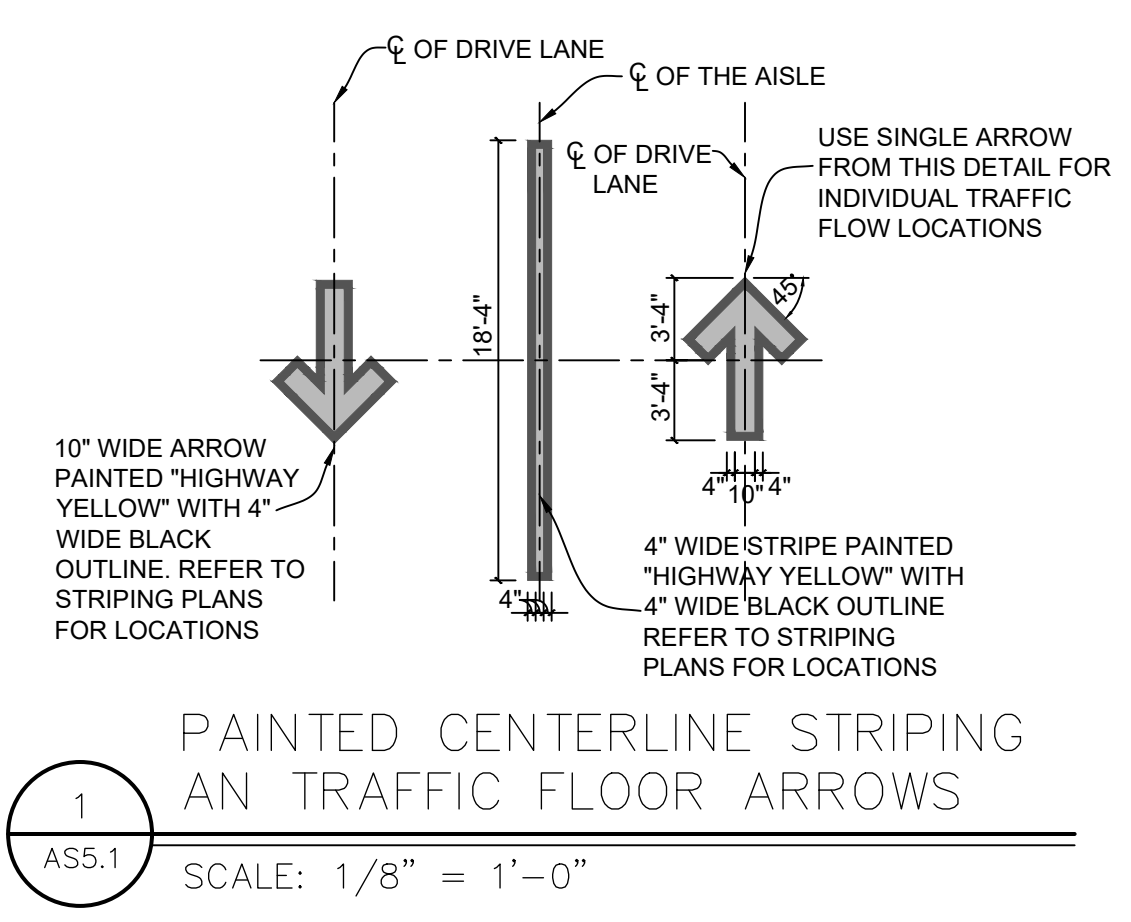


LEVEL COLOR CHART		
SECOND	"WHITE"	"DARK VIOLET"



**1 SECOND LEVEL PARKING AND STRIPING AND SIGNAGE PLAN**  
ASS.1 SCALE: 1/16" = 1'-0"

CAR COUNT SUMMARY			
LEVELS	STANDARD	BARRIER FREE	TOTAL
SECOND LEVEL	178	2	180



**2024 MACOMB COUNTY PAVING**  
VARIOUS SITES

DEMO PLAN

- PRELIMINARY
- DESIGN DEVELOPMENT
- CONSTRUCTION
- FINAL RECORD

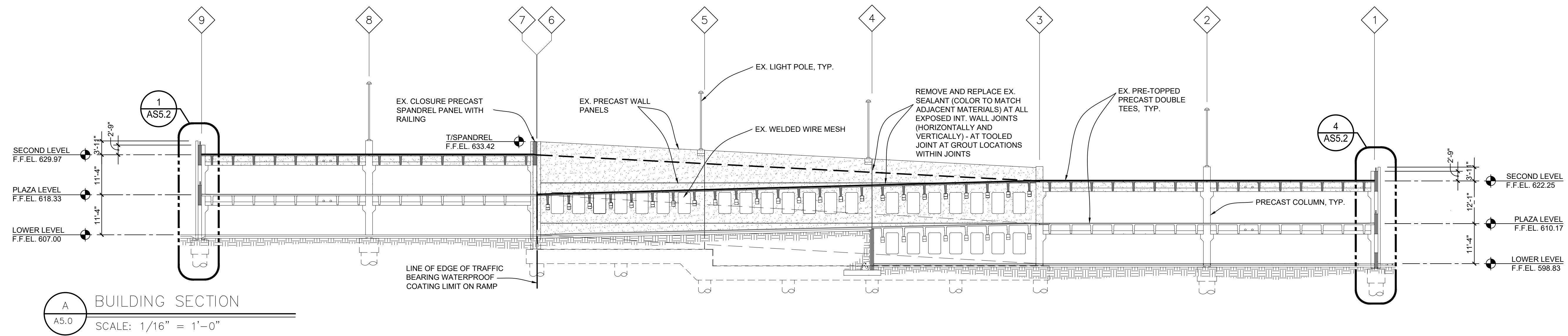
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CHECKED BY: RAS

REVISIONS:

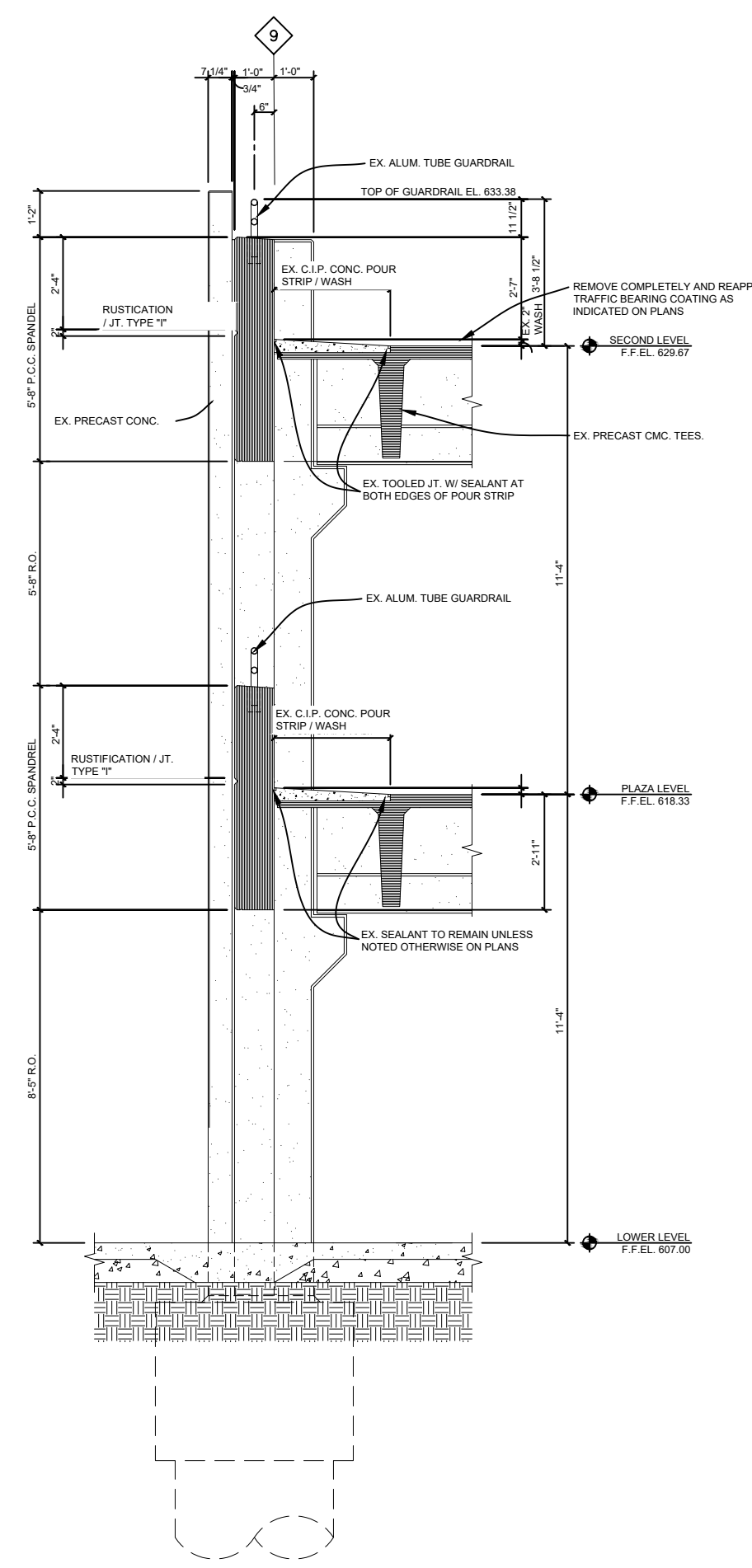
DATE: JULY 1, 2024  
SHEET NO.:

**AS5.1**

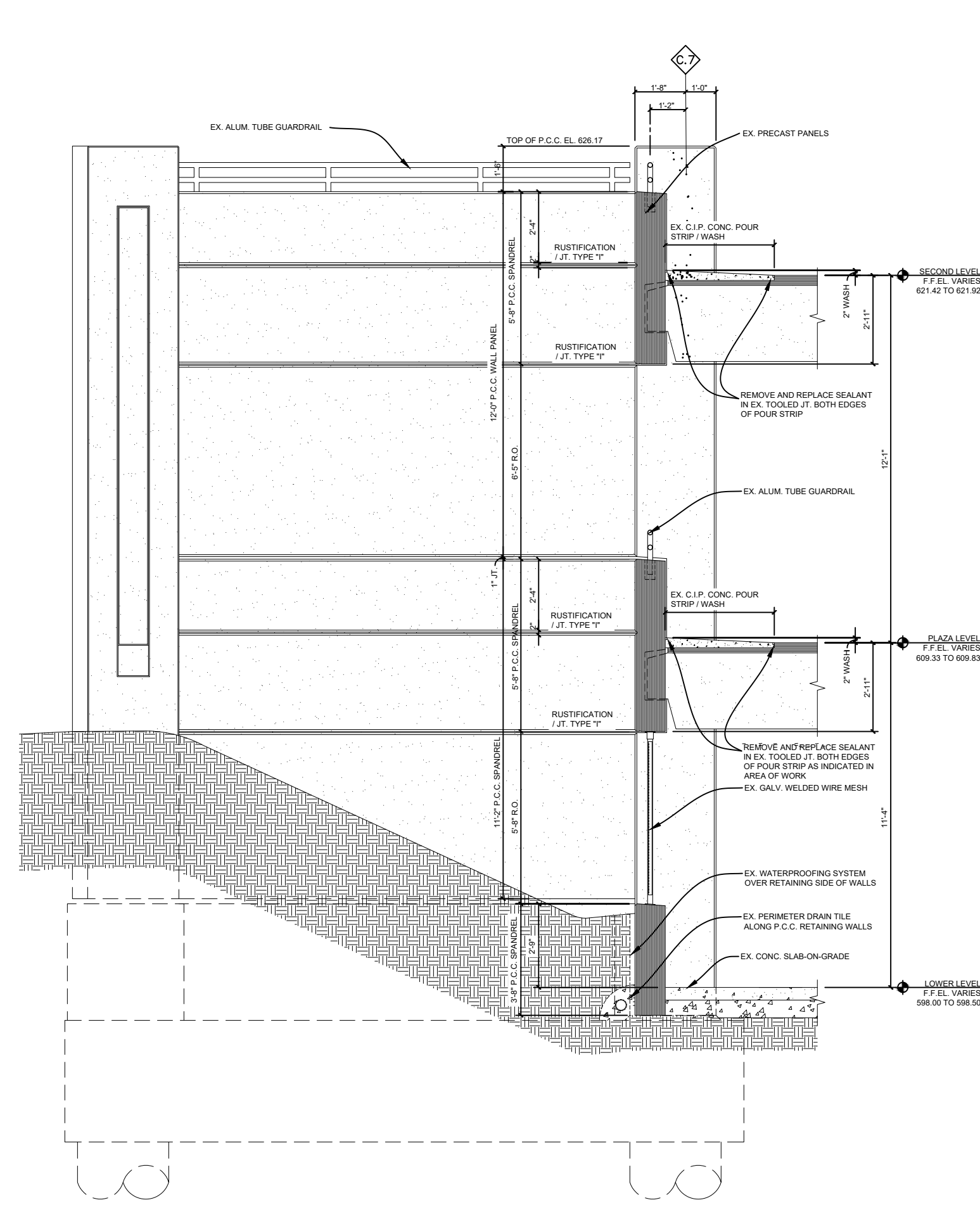
JOB NO.: 242034



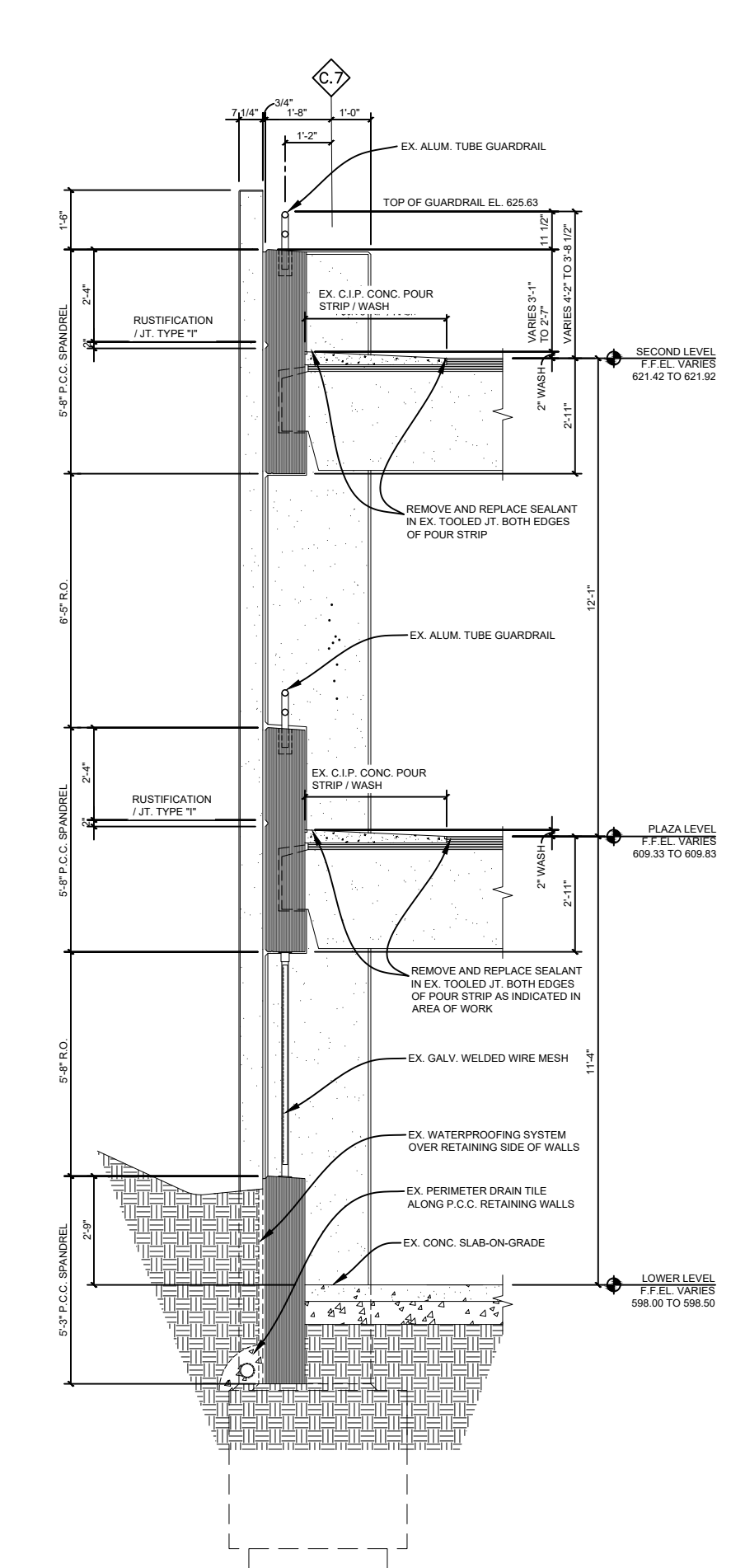
**A** BUILDING SECTION  
AS.0 SCALE: 1/16" = 1'-0"



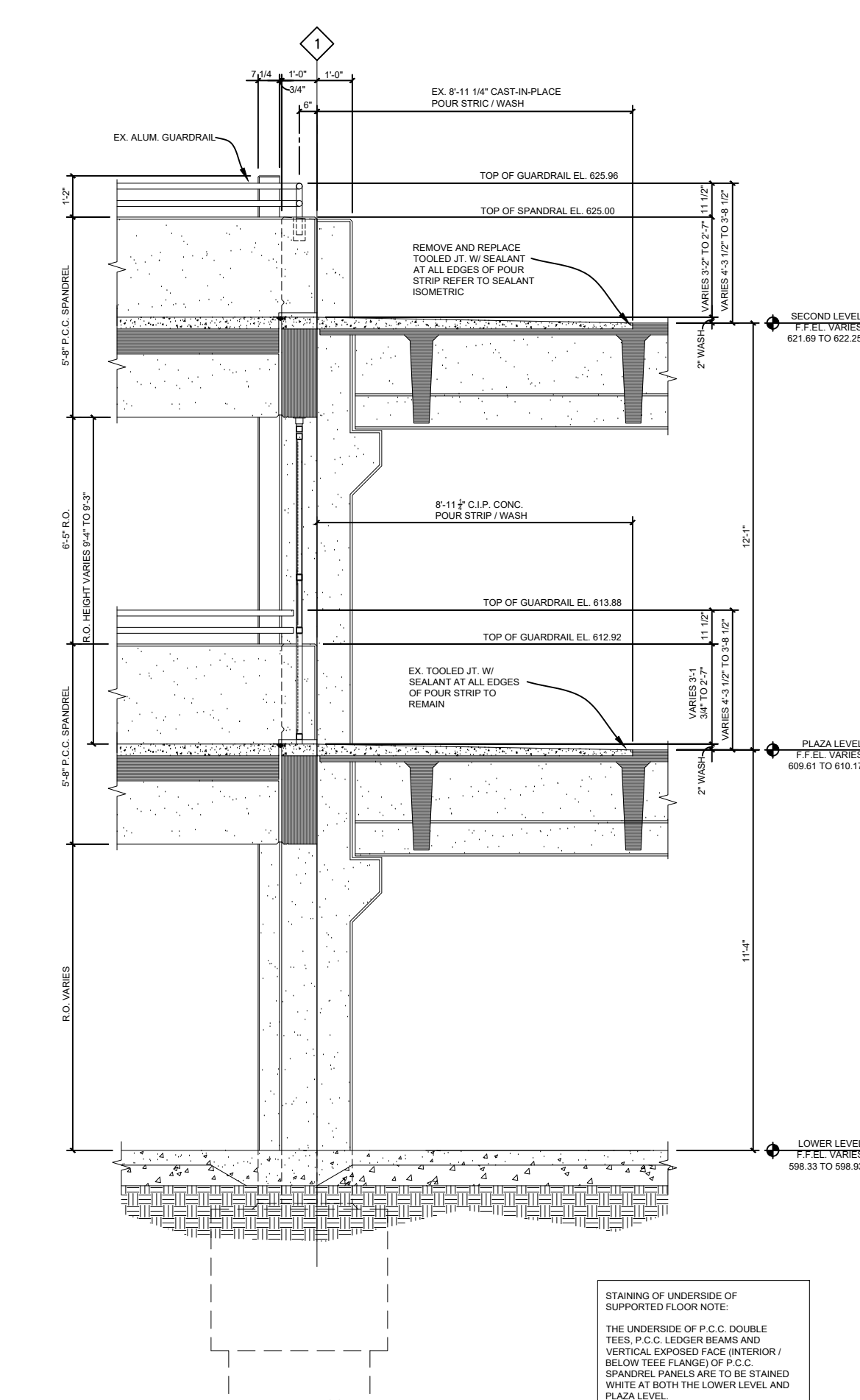
**1** WALL SECTION  
ASS.2 SCALE: 1/4" = 1'-0"



**2** WALL SECTION  
ASS.0 SCALE: 1/4" = 1'-0"



**3** WALL SECTION  
ASS.0 SCALE: 1/4" = 1'-0"



**4** WALL SECTION  
ASS.2 SCALE: 1/4" = 1'-0"

STAIRS/SLAB UNDERSIDE OF SUPPORTED FLOOR NOTE:  
THE UNDERSIDE OF EX. DOUBLE TEES, P.C. CONCRETE SPANDREL AND INTERIOR EXPOSED END PRECAST SPANDREL SHALL BE TO BE STAINED WHITE FROM THE LOWER LEVEL AND PAINT GRAY.

DETAILS

- PRELIMINARY
- DESIGN DEVELOPMENT
- CONSTRUCTION
- FINAL RECORD

DRAWN BY: JMW  
CHECKED BY: RAS

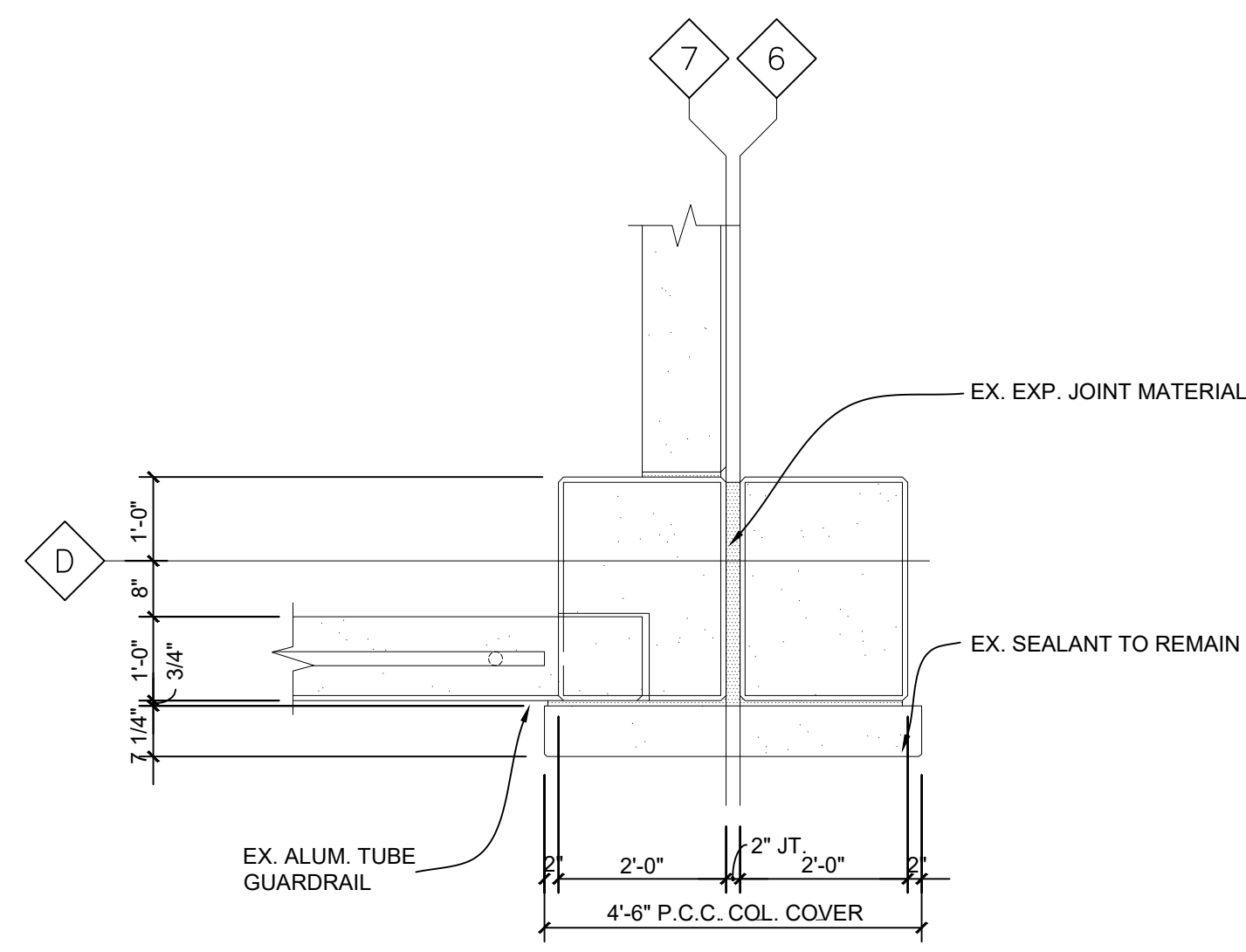
REVISIONS:

DATE: JULY 1, 2024  
SHEET NO.:

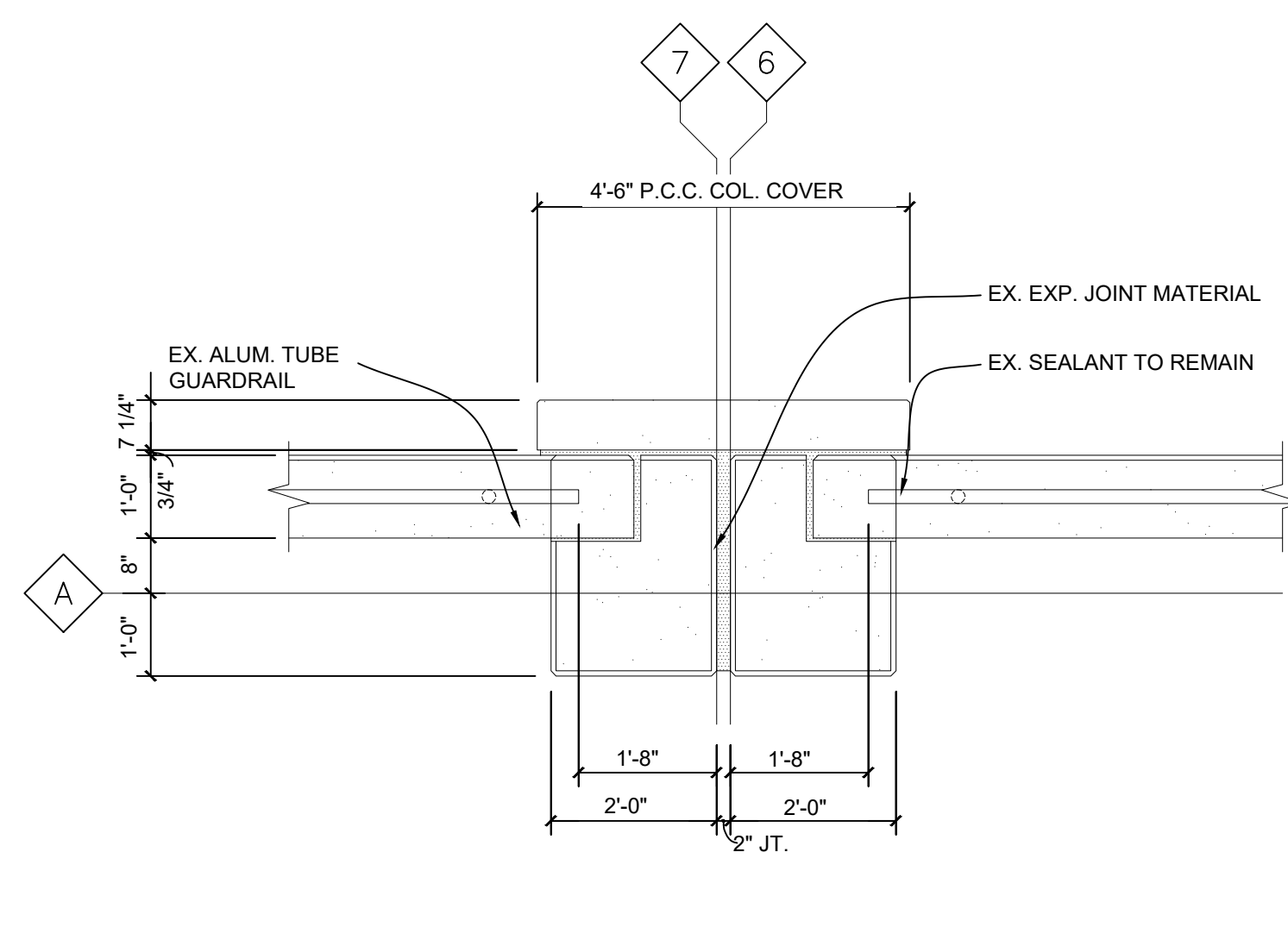
**AS5.2**

JOB NO.: 242034

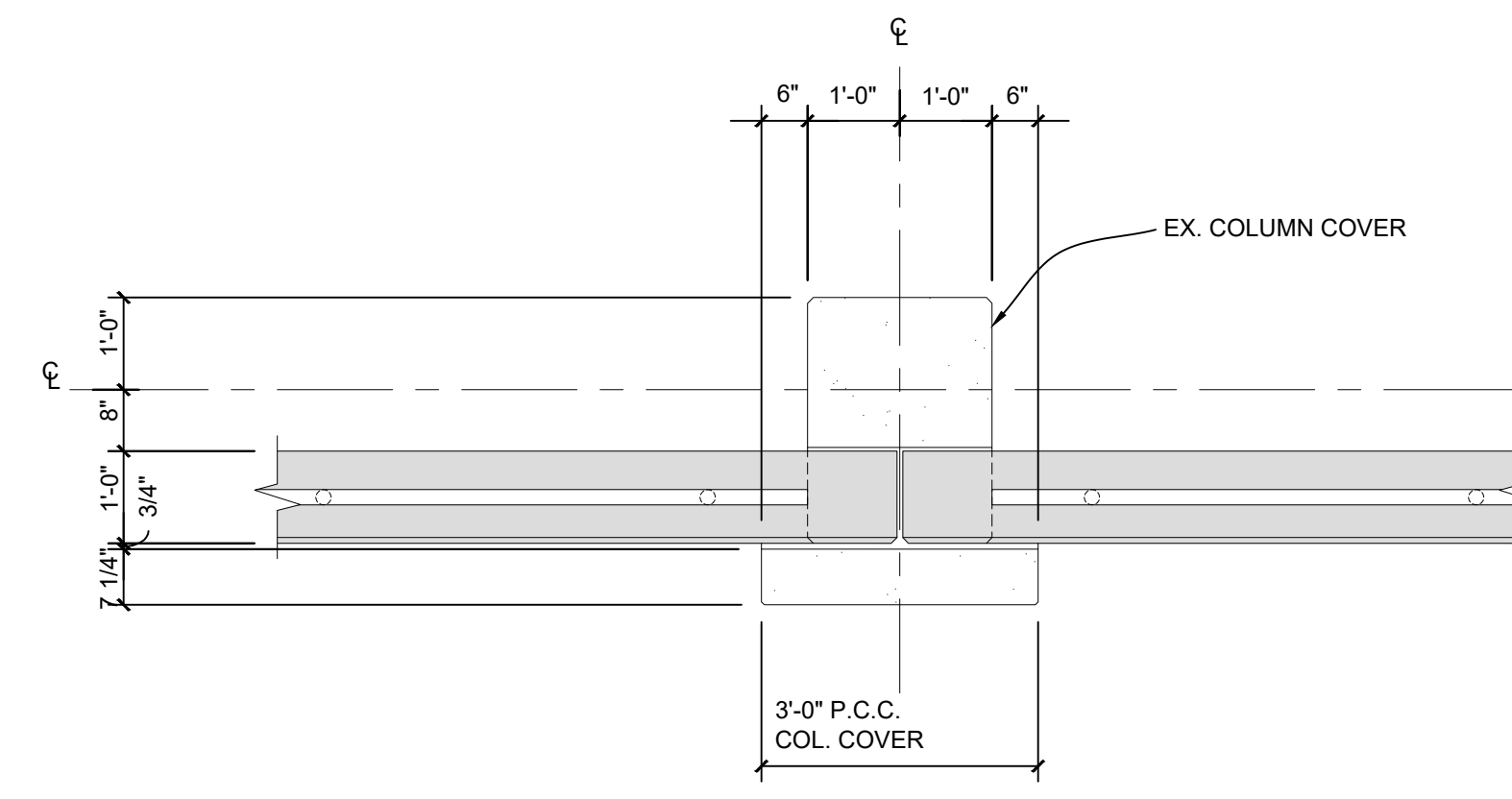




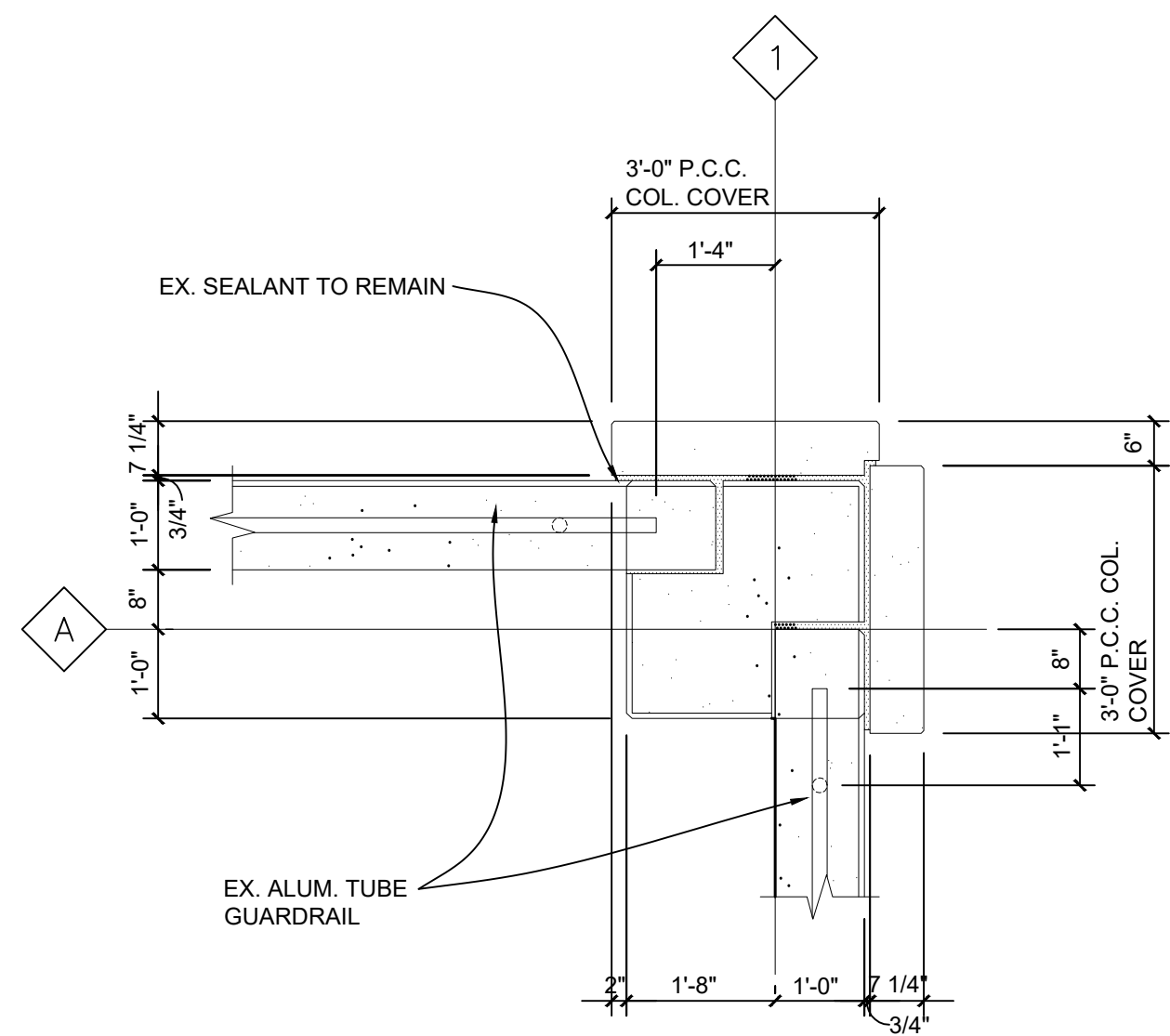
**1** EX. COLUMN/COVER PLAN  
AS5.0 SCALE: 1/2" = 1'-0"



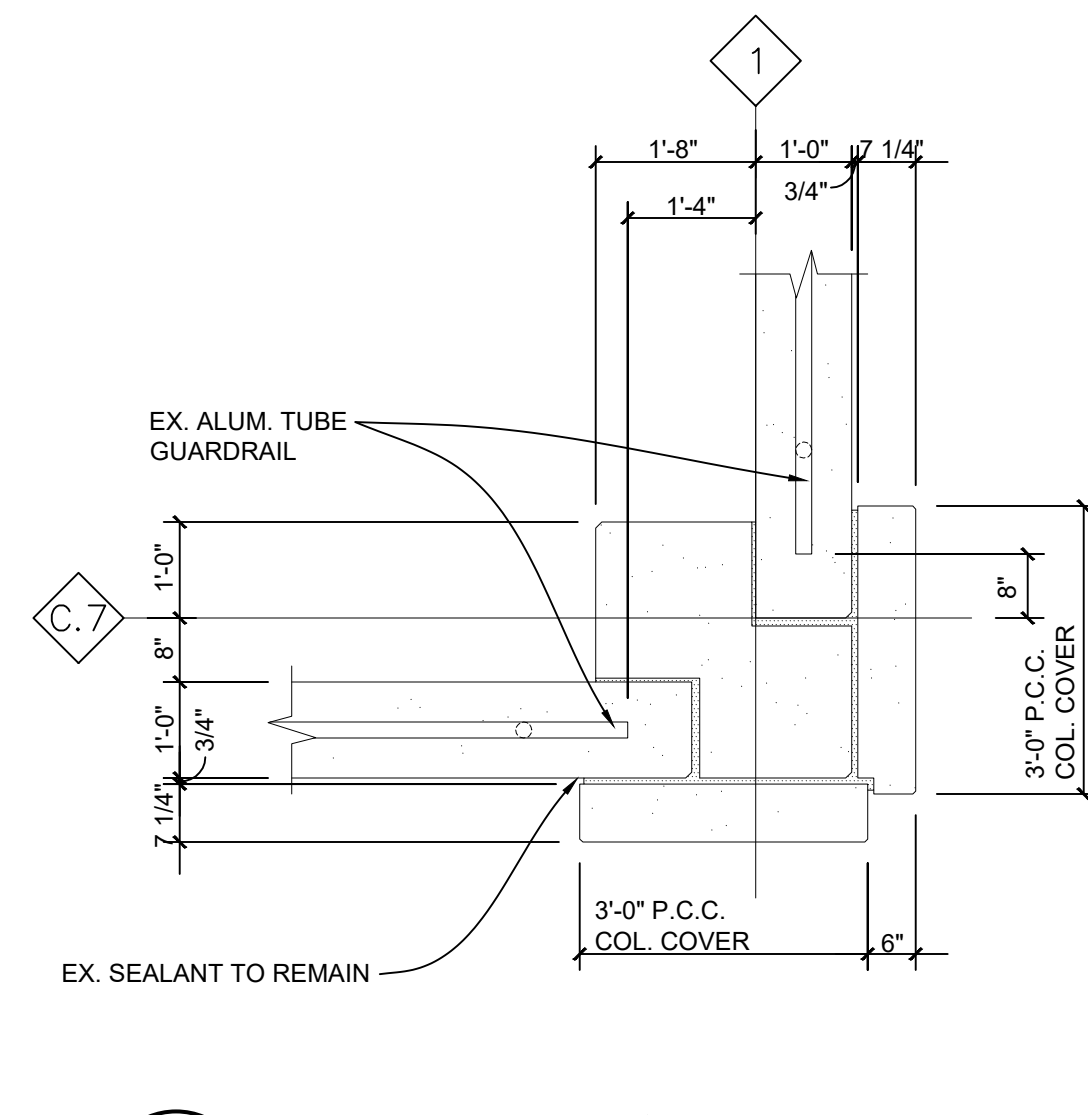
**2** EX. COLUMN/COVER PLAN  
AS5.0 SCALE: 1/2" = 1'-0"



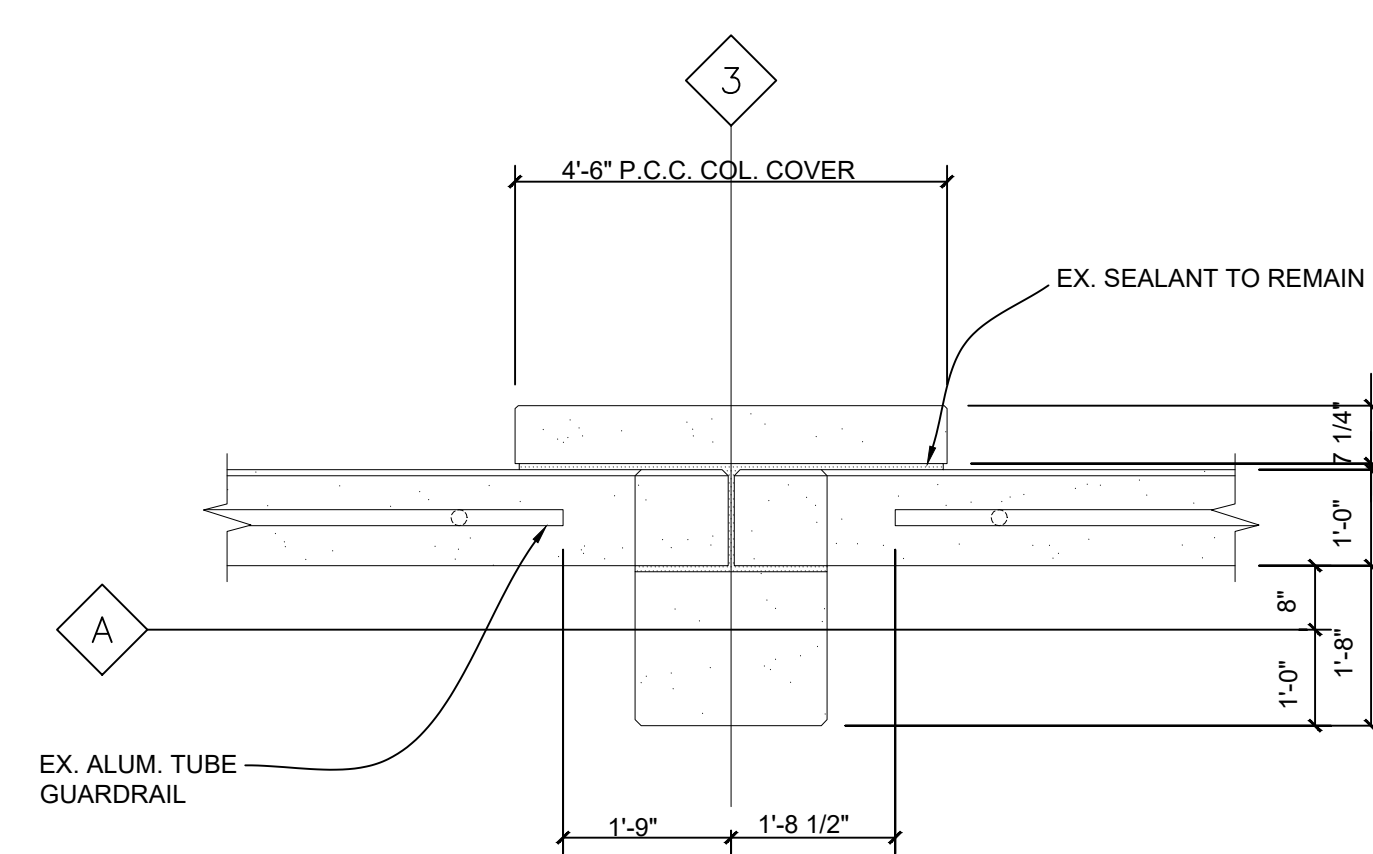
**3** COLUMN/COVER PLAN  
AS5.0 SCALE: 1/2" = 1'-0"



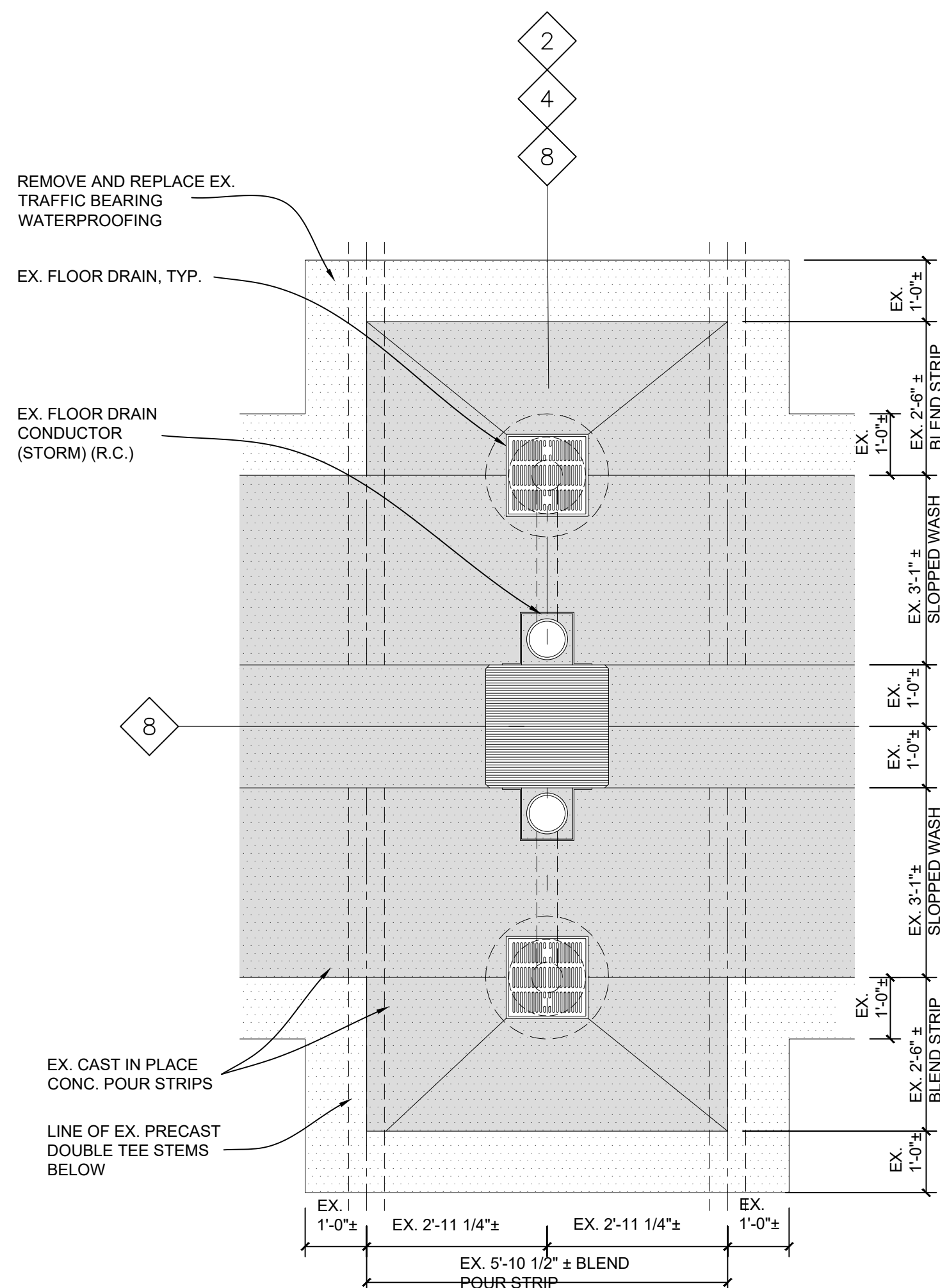
**4** EX. COLUMN/COVER PLAN  
AS5.0 SCALE: 1/2" = 1'-0"



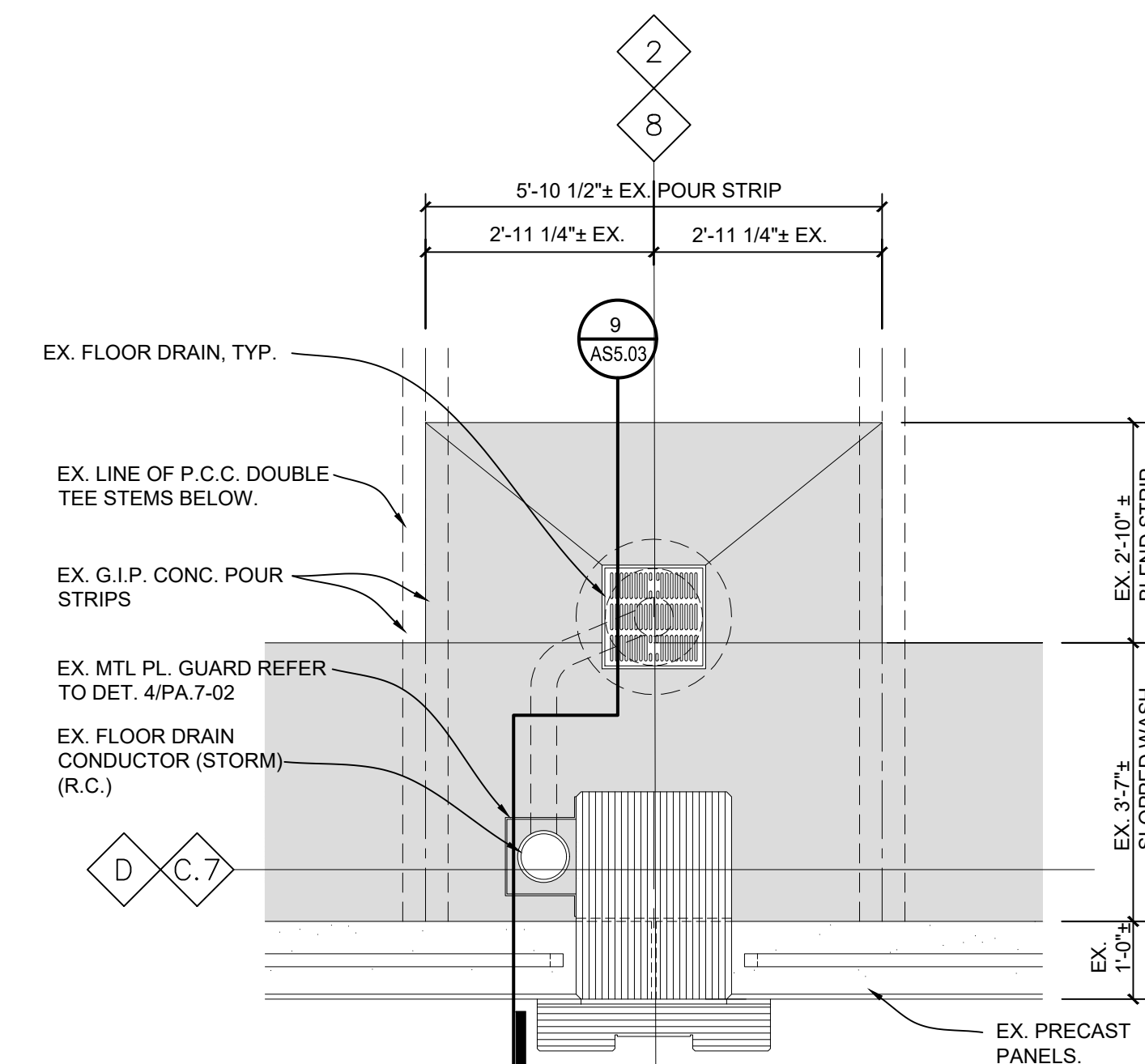
**5** EX. COLUMN/COVER PLAN  
AS5.0 SCALE: 1/2" = 1'-0"



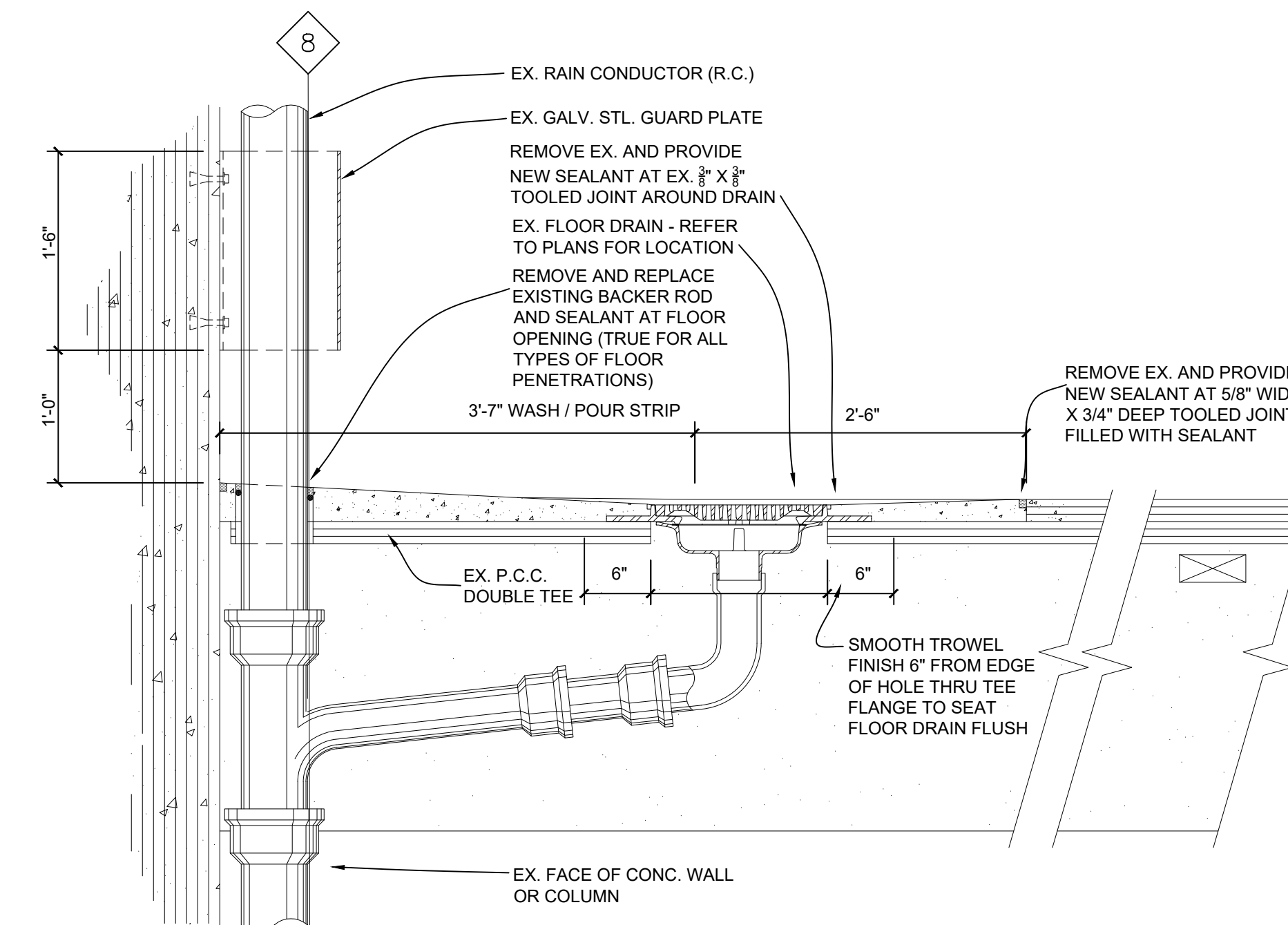
**6** EX. COLUMN/COVER PLAN  
AS5.0 SCALE: 1/2" = 1'-0"



**7** FLOOR DRAIN PLAN DETAIL  
AS5.0 SCALE: 1/2" = 1'-0"

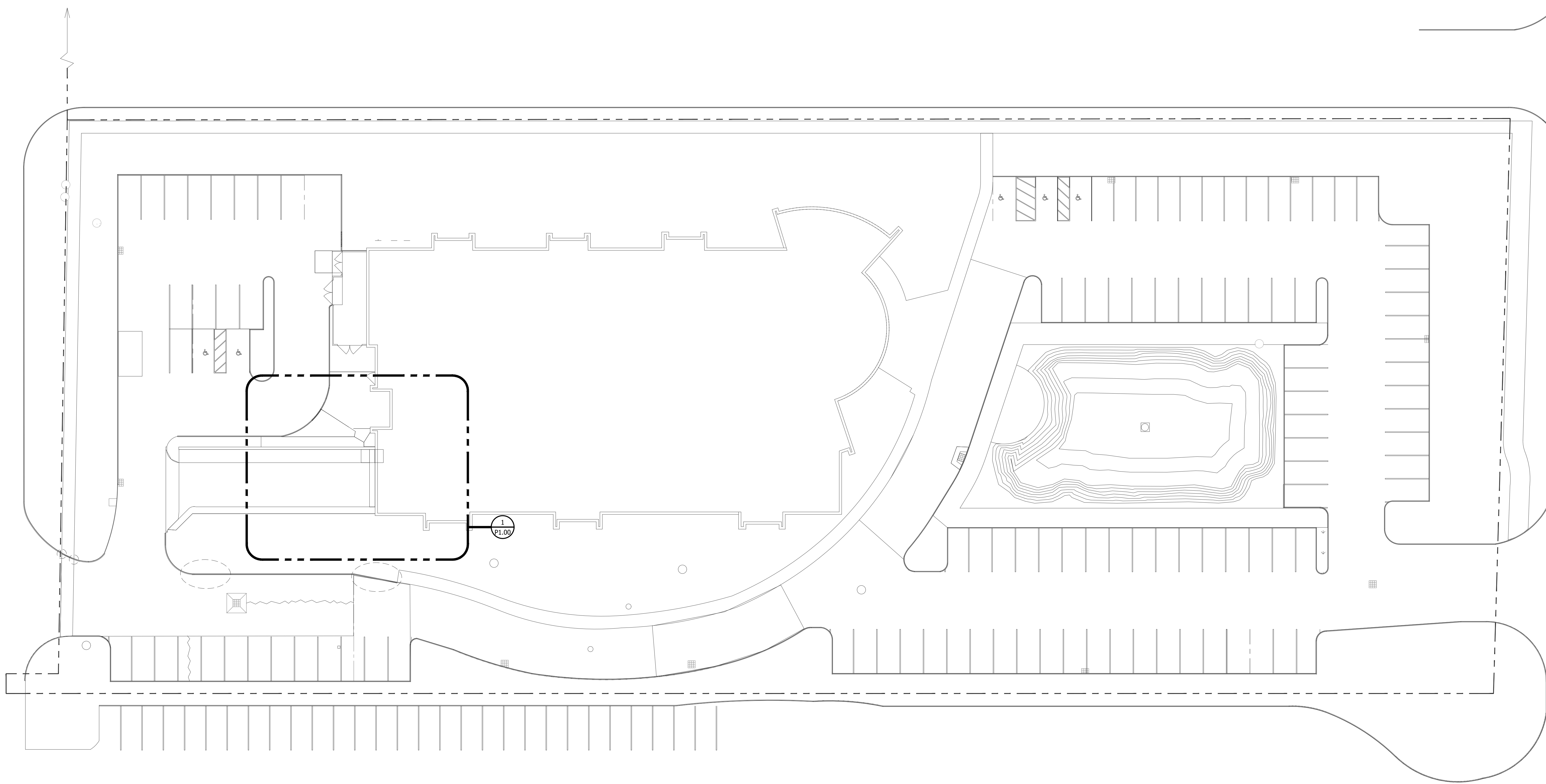


**8** FLOOR DRAIN PLAN DETAIL  
AS5.0 SCALE: 1/2" = 1'-0"



**9** WALL SECTION  
AS5.0 SCALE: 1" = 1'-0"





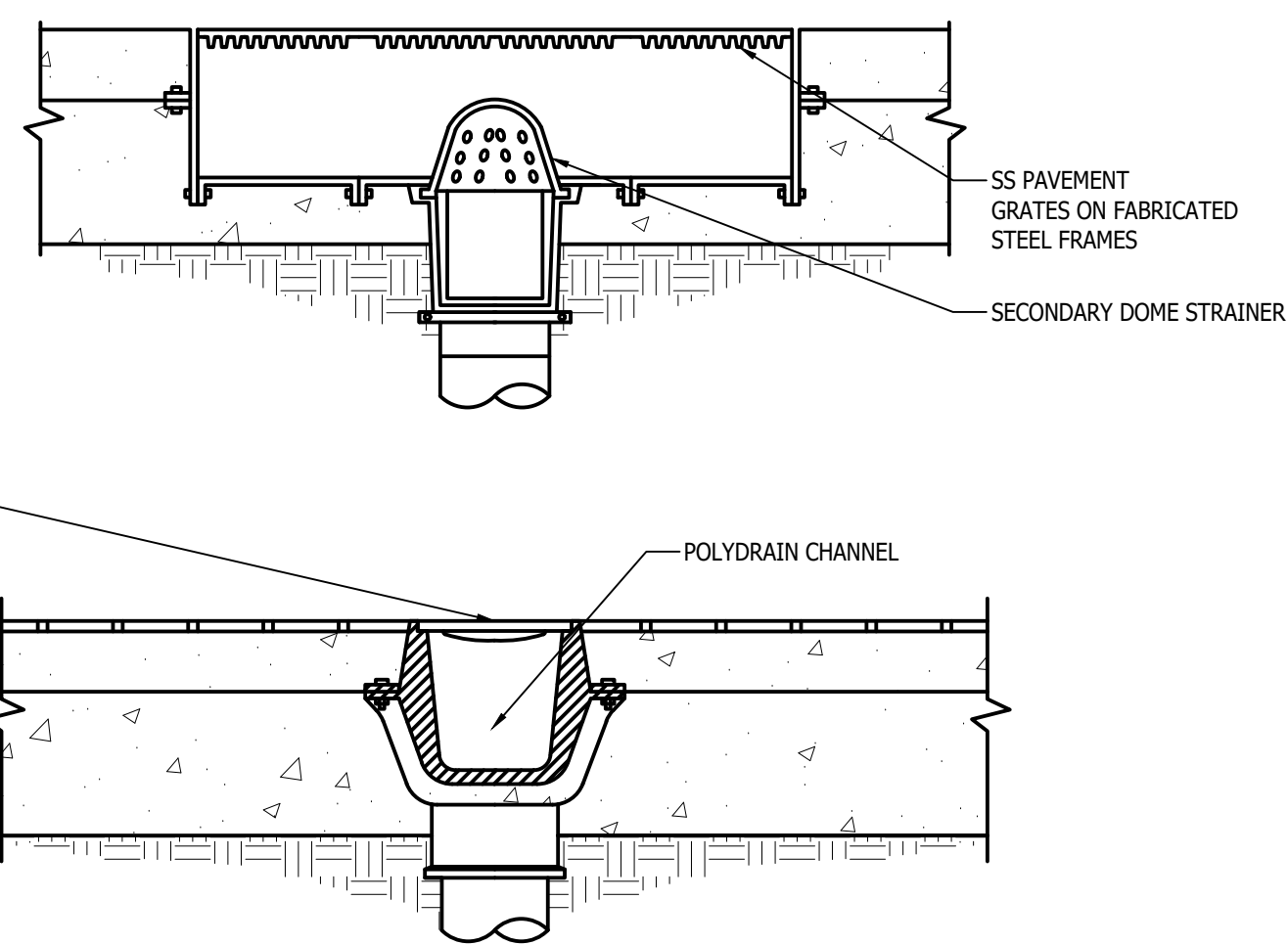
**SITE PLUMBING DEMOLITION AND NEW WORK PLAN**  
SCALE: 1" = 20'-0"

GENERAL DEMOLITION NOTES	
A	THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF WORK TO BE PERFORMED. THE EXACT EXTENT OF DEMOLITION SHALL BE DETERMINED BY THE NEW WORK.
B	ANY INTERRUPTIONS OF EXISTING SERVICES AND/OR EQUIPMENT SHALL BE PERFORMED AT A TIME APPROVED IN ADVANCE BY THE OWNER'S REPRESENTATIVE SO AS NOT TO INTERFERE WITH THE PRESENT BUILDING'S OPERATION.
C	PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING SITE CONDITIONS, SYSTEMS, AND UTILITIES. NOTIFY DESIGN PROFESSIONAL OF ANY INTERFERENCES OR DISCREPANCIES.
D	ALL ITEMS INDICATED WITH CROSS-HATCHING SHALL BE REMOVED COMPLETE WITH ALL RELATED ITEMS INCLUDING HANGARS, SUPPORTS, INSULATION, CONTROLS, ETC. CAP ALL OPEN ENDED PIPES AND DUCTS.
E	THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL EQUIPMENT BEING REMOVED. ALL ITEMS REMOVED SHALL BE LEGALLY DISPOSED OF. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXISTING RELOCATED AND OWNER PROVIDED EQUIPMENT.
F	VERIFY DEPTH, SIZE, LOCATIONS, AND CONDITIONS OF EXISTING UTILITIES IN THE FIELD, INCLUDING POINTS OF CONNECTION PRIOR TO STARTING ANY WORK.
G	ALL ITEMS ON DEMOLITION PLAN SHALL BE CONSIDERED EXISTING UNLESS OTHERWISE NOTED. ALL WORK INDICATED ON PLANS HAS BEEN LOCATED PER EXISTING DRAWINGS AND/OR FIELD OBSERVATION AND REQUIRES FIELD VERIFICATION.
H	ALL EXISTING WORK TO REMAIN SHALL BE PROTECTED FROM DAMAGE. WHERE DUCT WORK PIPE INSULATION HAS BEEN DAMAGED DURING DEMOLITION, THE CONTRACTOR SHALL REPAIR INSULATION AS REQUIRED TO MATCH EXISTING.

DEMOLITION KEYED NOTES	
1	REMOVE EXISTING TRENCH DRAIN AT TOP OF ENTRY DOOR RAMP. REMOVE PIPING AS REQUIRED FOR INSTALLATION OF NEW TRENCH DRAIN. REFER TO ARCHITECTURAL PLANS FOR FURTHER INFORMATION REGARDING REMOVAL AND REPLACEMENT OF CONCRETE.

PLUMBING GENERAL NOTES	
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H	ALL EXISTING WORK TO REMAIN SHALL BE PROTECTED FROM DAMAGE. WHERE DUCT WORK PIPE INSULATION HAS BEEN DAMAGED DURING DEMOLITION, THE CONTRACTOR SHALL REPAIR INSULATION AS REQUIRED TO MATCH EXISTING.
J	INSTALL ALL SANITARY AND STORM PIPING 2 1/2" OR LESS AT 1/4" PER FOOT AND 3" AND LARGER PIPING AT 1/8" PER FOOT MINIMUM UNLESS NOTED OTHERWISE. MINIMUM UNDERGROUND PIPE SIZE SHALL BE 3".

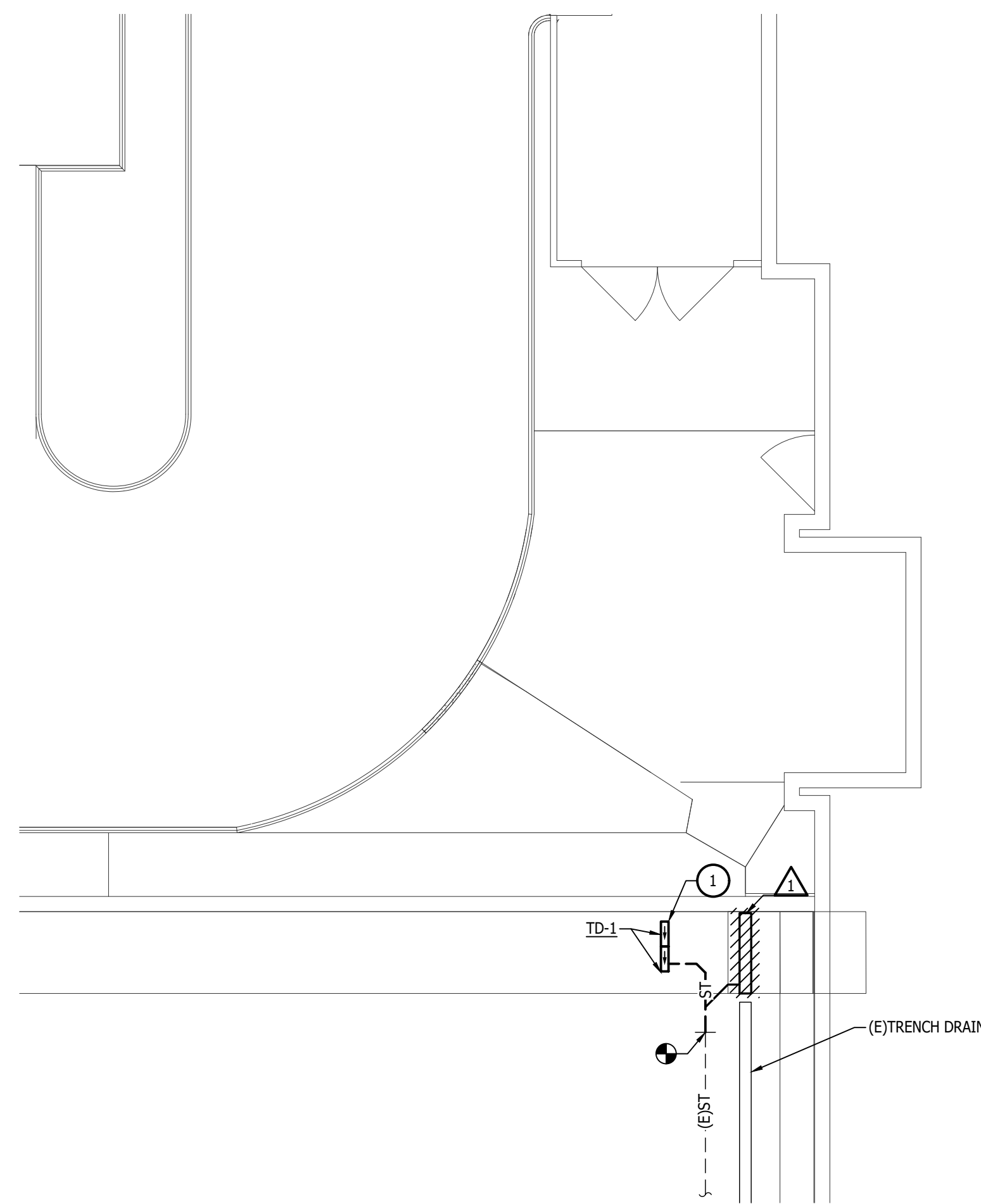
NEW WORK KEYED NOTES	
1	INSTALL TRENCH DRAIN AT BASE OF ENTRY RAMP. EXTEND STORM PIPING TO EXISTING MAIN AS REQUIRED. FIELD VERIFY DEPTH, DIRECTION OF FLOW, AND EXACT LOCATION BEFORE ORIENTATION OF TRENCH DRAIN SYSTEM.



**TRENCH DRAIN**  
NO SCALE

PLUMBING FIXTURE SCHEDULE								
TAG	BARRIER FREE	ITEM	PIPE CONNECTION SIZES				MANUFACTURER & MODEL NO.	ACCESSORIES
			WASTE	VENT	CW	HW		
TD-1	-	EXTERIOR TRENCH DRAIN	4"	-	-	-	MIFAB: T1501-PB-13 GALVANIZED STEEL INTEGRAL RAIL CHANNEL AND T100-PGB-3-WW GRATE	CHANNEL SHALL SLOPE TOWARDS ONE OUTLET POSITION. PROVIDE LENGTH OF SECTIONS AS REQUIRED TO MEET CONNECTION POINTS. GRATE SHALL BE STAINLESS STEEL LOAD CLASS B

- NOTES:
1. PROVIDE ALL ACCESSORIES NECESSARY FOR COMPLETE AND OPERABLE INSTALLATION.
  2. PROVIDE CARRIERS FOR ALL FIXTURES PER MANUFACTURER'S RECOMMENDATIONS.
  3. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION/MOUNTING HEIGHT OF ALL FIXTURES.



**ENLARGED PLUMBING PLAN**  
SCALE: 1/8" = 1'-0"

**WA**

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UBS PROJECT : 007.24.10

**2024 MACOMB COUNTY PAVING  
VARIOUS SITES**

SITE PLUMBING DEMOLITION AND NEW WORK PLAN

PRELIMINARY

DESIGN DEVELOPMENT

CONSTRUCTION

FINAL RECORD

DRAWN BY: DJL  
CHECKED BY: DJL

REVISIONS

DATE: JUNE 21, 2024  
SHEET NO.

**P1.00**

JOB NO.  
**242034**