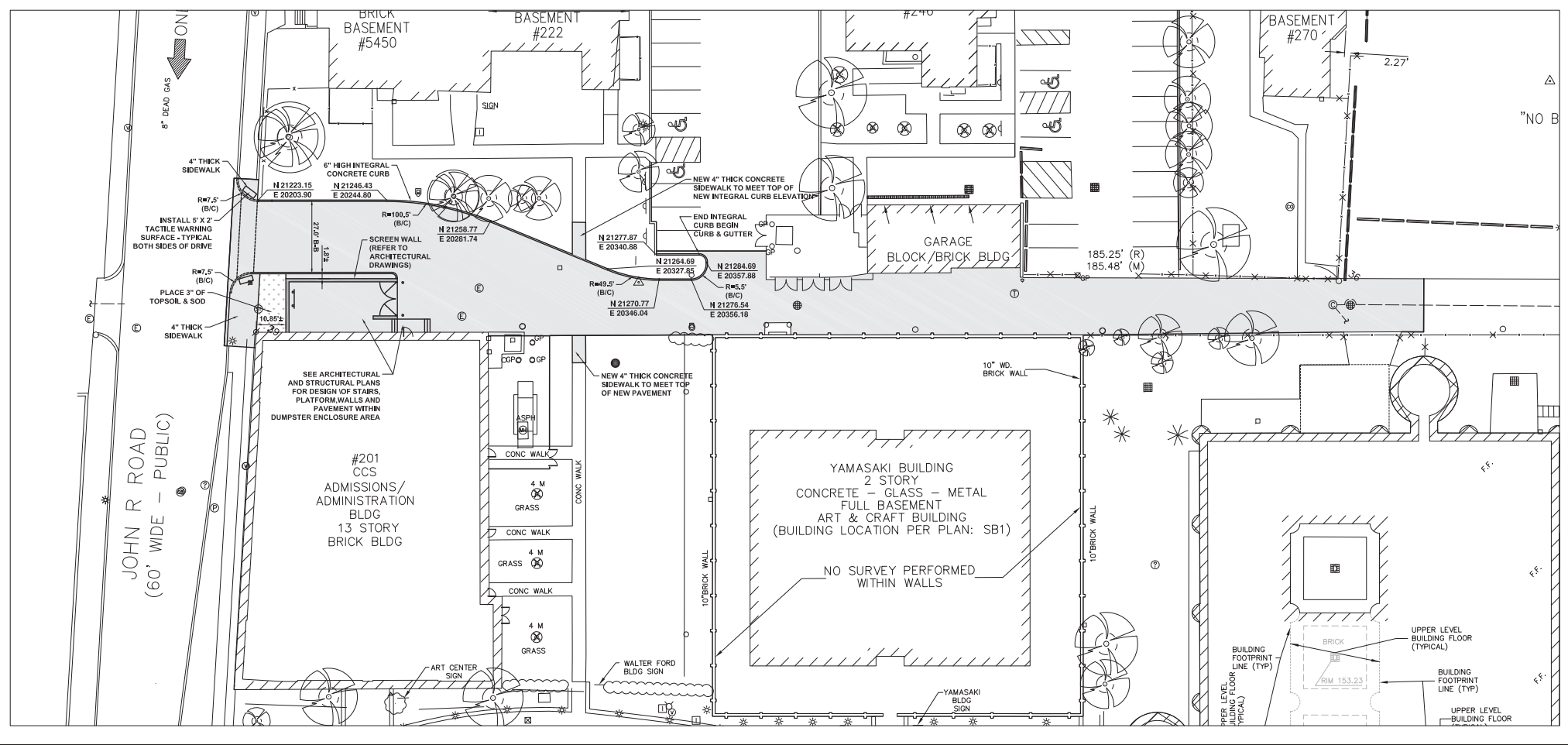


PAVEMENT REMOVAL AREA

DEMOLITION PLAN
SCALE: 1"=20'-0"

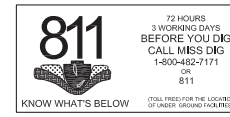


PLAIN CONCRETE PAVEMENT, 8" THICK WITH 6" INTEGRAL CURB (UNLESS NOTED OTHERWISE)

SODDED LAWN SURFACING

NOTE: COORDINATES ARE TO BACK OF CURB

LAYOUT PLAN
SCALE: 1"=20'-0"



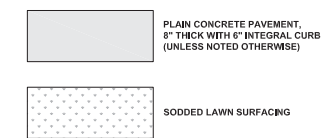
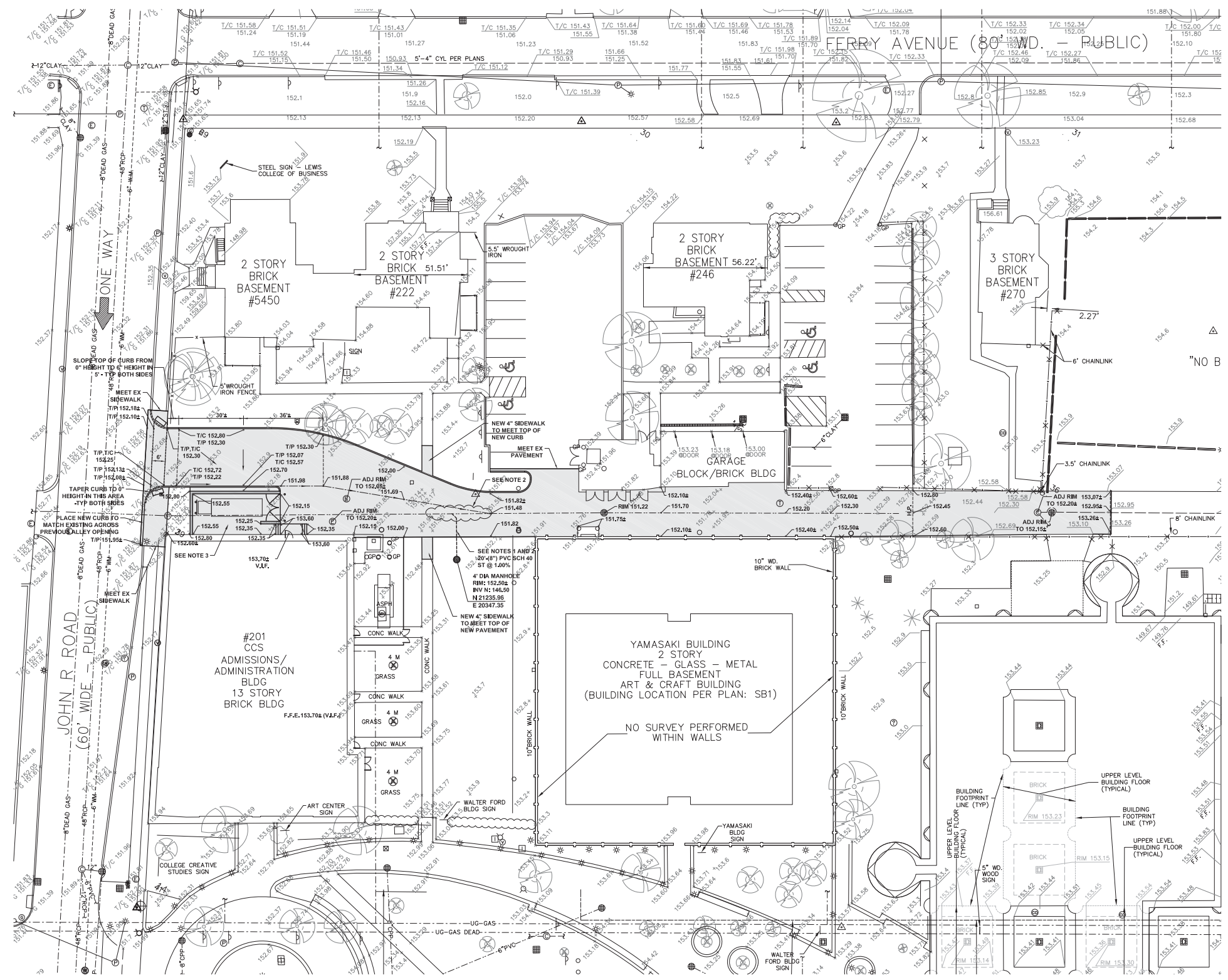
UNDERGROUND UTILITY NOTE
THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER OF FIELD CONDITIONS THAT DIFFER FROM CONDITIONS AS SHOWN ON THESE DRAWINGS.

PROJECT #	147476.001
PROJECT MANAGER	J. PEDERSEN
DESIGNED BY	D. PAMULA
DRAWN BY	D. CALLOW
QUALITY CHECK	D. PAMULA
SHEET TITLE	

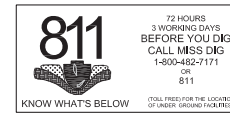
DEMOLITION PLAN LAYOUT PLAN

CS1-00-02
SHEET NUMBER

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02/26/19		OWNER REVIEW
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- NOTES:**
1. NEW 8" SEWER AND MANHOLE FOR FUTURE EXTENSION TO THE SOUTH TO PICK UP DRAINAGE BETWEEN BUILDINGS PENDING FUTURE LANDSCAPE DESIGN.
 2. PIPE BLOCKAGE IN EXISTING 15"X20" COMBINED SEWER IN THIS GENERAL AREA, CONTRACTOR TO FIELD VERIFY EXACT LOCATION OF BLOCKAGE AND REPLACE SECTION(S) OF PIPE AS REQUIRED, FOR BIDDING PURPOSES, ASSUME A MAXIMUM OF 40' OF REPLACEMENT PIPE. REPLACE PIPE USING REINFORCED CONCRETE PIPE OF INSIDE DIAMETER 6 TO 12 INCHES LARGER THAN LARGEST OUTSIDE DIMENSION OF EXISTING PIPE. INSERT NEW PIPE TO OVERLAP EXISTING PIPE. PLACE SOLID BRICK IN OPEN SPACE BETWEEN AND FOUR MINIMUM 6" THICK BY 24" LONG CONCRETE COLLAR COMPLETELY AROUND BOTH PIPES TO FORM SOLID, LEAKPROOF CONNECTION, TYPICAL AT BOTH ENDS.
- ALTERNATIVE: INSTALL 48" DIAMETER MANHOLE STRUCTURES AT BOTH ENDS OF PIPE REPLACEMENT LIMITS AND GROUT NEW AND EXISTING PIPES INTO MANHOLES. REPLACE PIPE WITH 18" DIAMETER REINFORCED CONCRETE PIPE MATCHING EXISTING INVERT ELEVATIONS.
- READJUST POINT OF CONNECTION OF PROPOSED 8" SEWER TO COINCIDE WITH NEW REPLACEMENT PIPE LOCATION.
3. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR SCREEN WALL, STAIR, PLATFORM AND SLAB DESIGN WITHIN DUMPSTER ENCLOSURE AREA.
 4. ALL SPOT GRADES ARE FOR TOP OF PAVEMENT UNLESS NOTED OTHERWISE.
 5. BACKFILL AND PLACE MINIMUM 3" OF TOPSOIL BEHIND ALL NEW CURBING THAT ADJUTS EXISTING LAWN AREAS. GRADE SMOOTH TO BLEND WITH EXISTING GRADES AND PLACE SOO.
 6. OBTAIN PERMIT FROM CITY OF DETROIT FOR ALL WORK WITHIN THE JOHN R ROAD RIGHT OF WAY.



UNDERGROUND UTILITY NOTE
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PAVING / GRADING / UTILITY PLAN
SCALE: 1"=20'-0"
NORTH

PROJECT #	147476.001
PROJECT MANAGER	J. PEDERSEN
DESIGNED BY	D. PAMULA
DRAWN BY	D. CALLOW
QUALITY CHECK	D. PAMULA
SHEET TITLE	

PAVING / GRADING / UTILITY PLAN

CS1-00-03
SHEET NUMBER

CONSULTANT INFORMATION

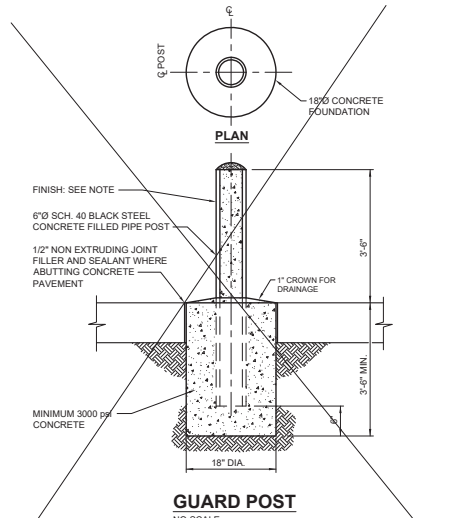
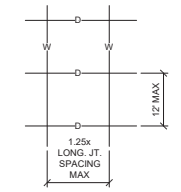
REGISTRATION SEAL

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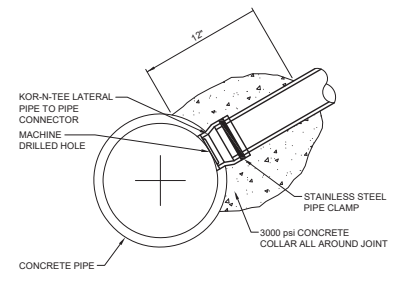
DETAILS

PROJECT #	147476.001
PROJECT MANAGER	J. PEDERSEN
DESIGNED BY	D. PAMULA
DRAWN BY	D. CALLOW
QUALCHECK	D. PAMULA
SHEET TITLE	
CS5-00-01	
SHEET NUMBER	

JOINT SPACING DETAIL
NO SCALE

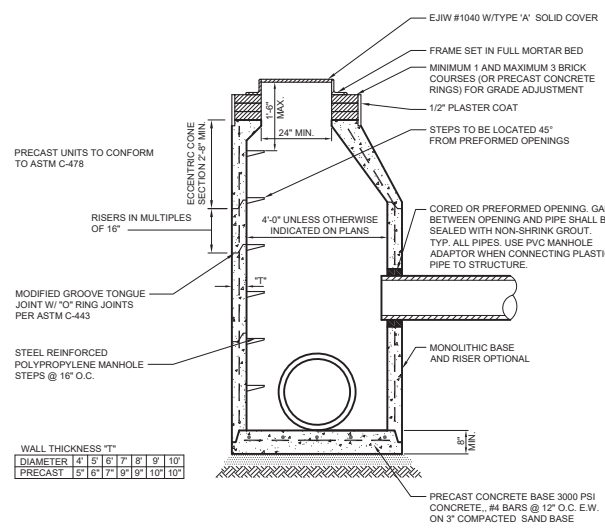


- PROVIDE PLASTIC, POLYETHYLENE BOLLARD COVER, WITH NOMINAL THICKNESS OF 0.200 INCHES, COLOR, SAFETY YELLOW. SIZE COVERS FOR PIPE DIAMETERS AND SECURE TO POSTS WITH MANUFACTURER'S NEOPRENE ADHESIVE TAPE. COVERS SHALL BE BY "IDEAL SHIELD" OR APPROVED ALTERNATE.

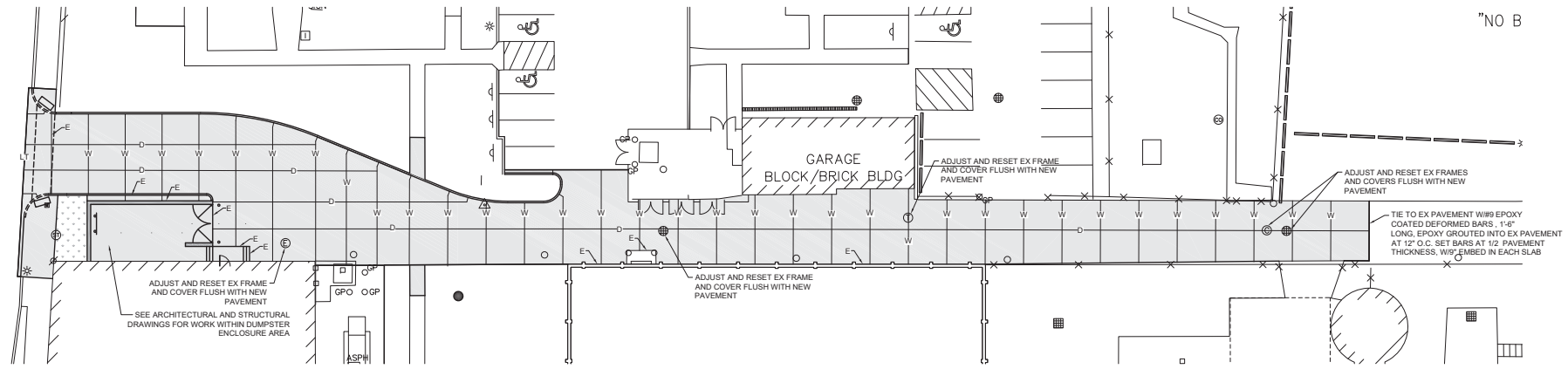


KOR-N-TEE AS MANUFACTURED BY NPC INC. WWW.NPC.COM
 INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS

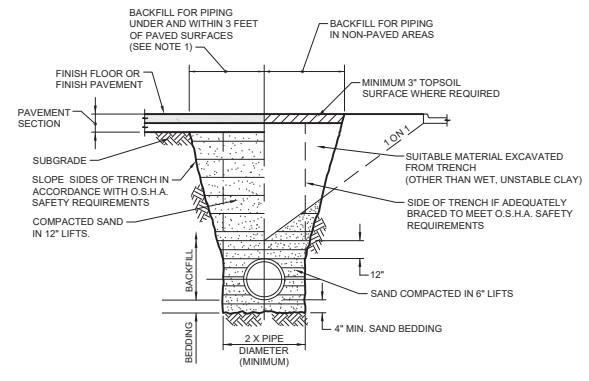
LATERAL PIPE CONNECTION TO CONCRETE PIPE
NO SCALE



WALL THICKNESS "T"	
DIAMETER	4" 5" 6" 7" 8" 9" 10"
PRECAST	5" 6" 7" 8" 9" 10" 10"

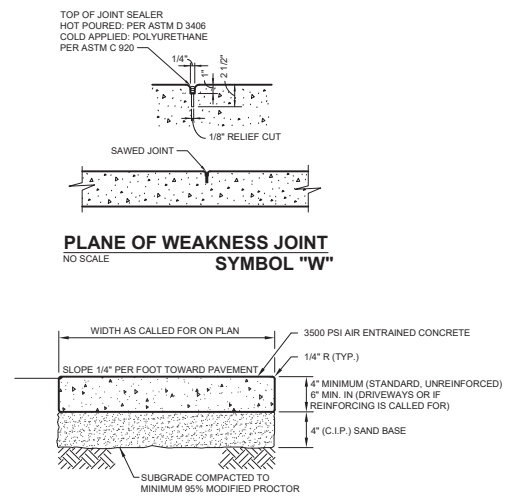
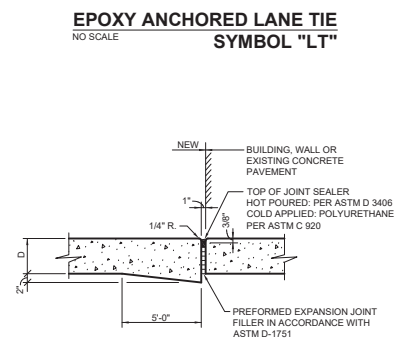
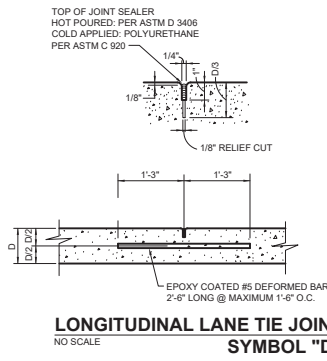
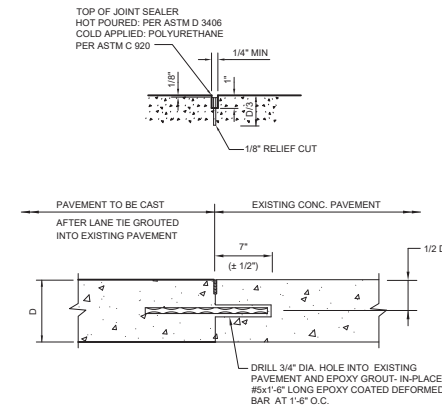
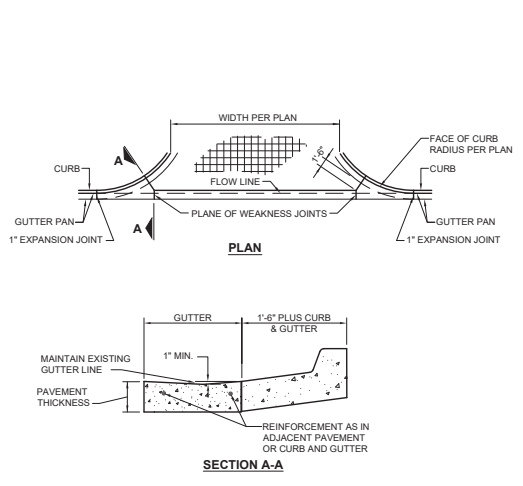


PAVEMENT JOINTING PLAN
SCALE: 1"=20'-0"

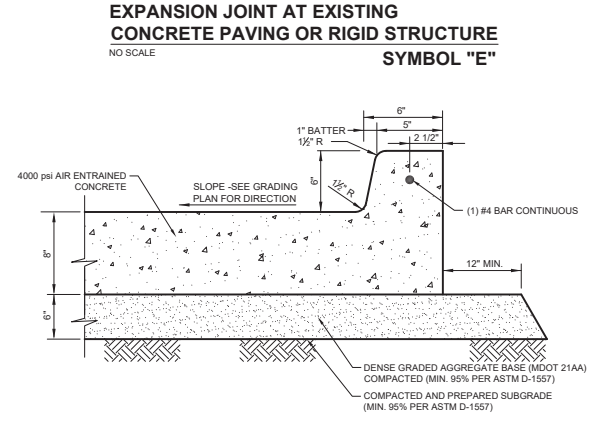


- NOTES:
- PAVED SURFACES INCLUDE CONCRETE AND ASPHALT ROADS, SIDEWALKS, DRIVEWAYS, PARKING AREAS, PATIOS, FLOOR SLABS AND AREAS DESIGNATED FOR FUTURE PAVEMENT.
 - GRANULAR BACKFILL SHALL BE COMPACTED TO MINIMUM 95% OF MAXIMUM UNIT WEIGHT PER A.S.T.M. D-1557 (MODIFIED PROCTOR). TRENCHED EXCAVATED MATERIAL IN NON-PAVED AREAS SHALL BE COMPACTED TO 85%-90%.

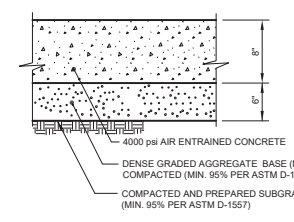
PIPE BEDDING AND BACKFILL
NO SCALE



- PLACE 1/2" TRANSVERSE EXPANSION JOINTS AT UNIFORM INTERVALS NOT TO EXCEED 50 FEET.
- PLACE 1/2" LONGITUDINAL EXPANSION JOINTS BETWEEN SIDEWALK AND BACK OF ABUTTING PARALLEL CURB, BETWEEN SIDEWALK AND RIGID STRUCTURES, AND BETWEEN SIDEWALK AND CONCRETE DRIVEWAY APPROACHES.
- EXPANSION JOINTS TO BE 1/2" WIDE BY DEPTH OF SIDEWALK. PLACE 1/2" WIDE PREMOULDED JOINT FILLER TO 1/2" BELOW TOP OF SIDEWALK. PLACE JOINT SEALANT FROM TOP OF FILLER TO TOP OF WALK (1/2").
- SIDEWALK SHALL BE DIVIDED INTO UNIT AREAS NOT TO EXCEED 36 SQUARE FEET BY MEANS OF CUT JOINTS OR FULL DEPTH SLAB DIVISION FORMS. CUT JOINTS 1/4" WIDE BY 1" DEEP.
- UNIT AREAS SHALL BE SQUARE AND NOT LESS THAN 16 SQUARE FEET, UNLESS NOTED OTHERWISE ON PLANS.



CONCRETE SIDEWALK
NO SCALE



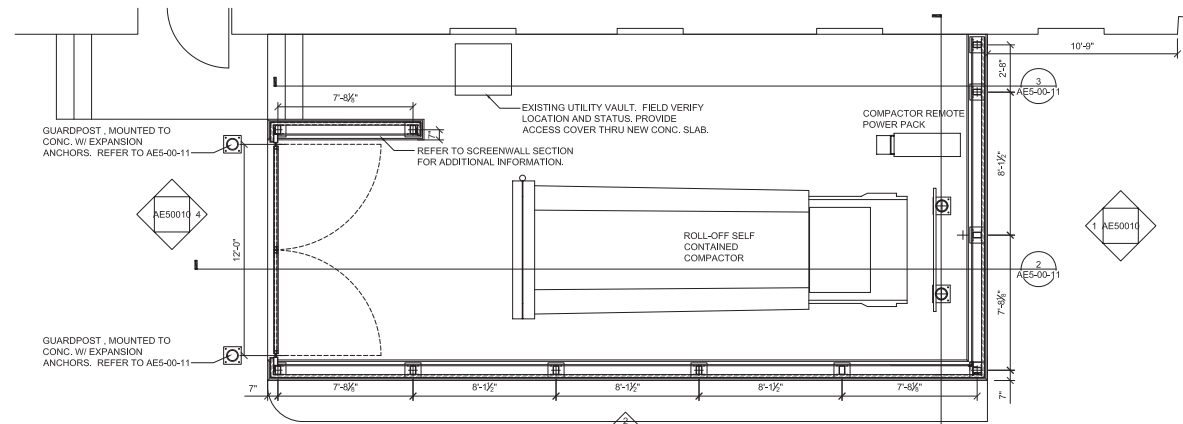
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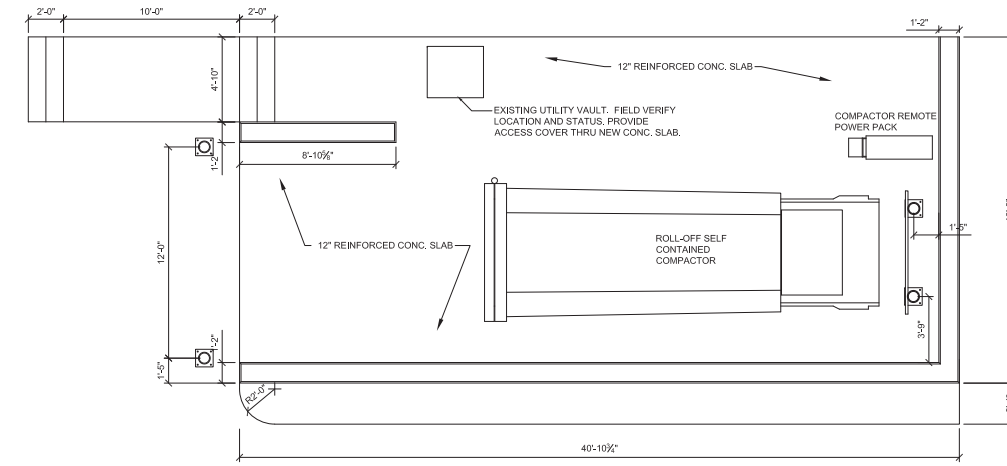
PROJECT #	147476.001
PROJECT MANAGER	J. PEDERSEN
DESIGNED BY	D. DEE
DRAWN BY	J. FRICKBEINER
QUALITY CHECK	D. RUTKOWSKI
SHEET TITLE	

SCREEN WALL
DETAILS

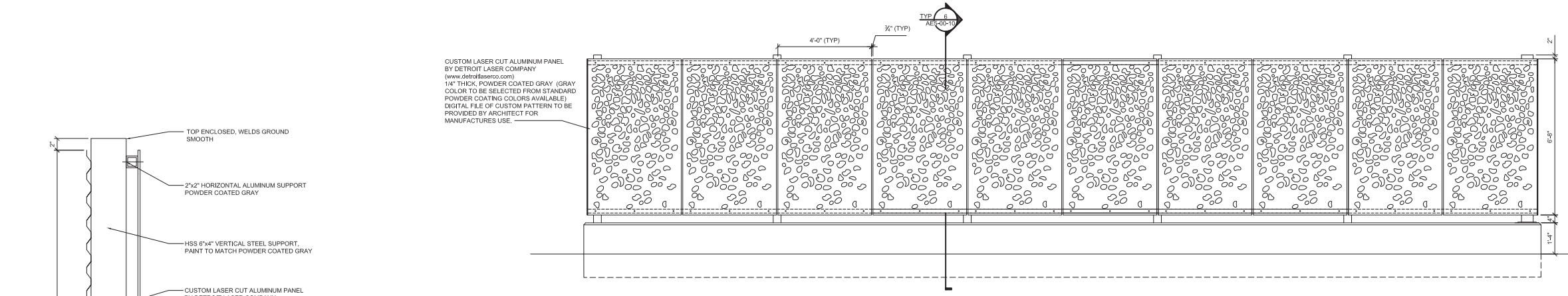
AE5-00-10
SHEET NUMBER



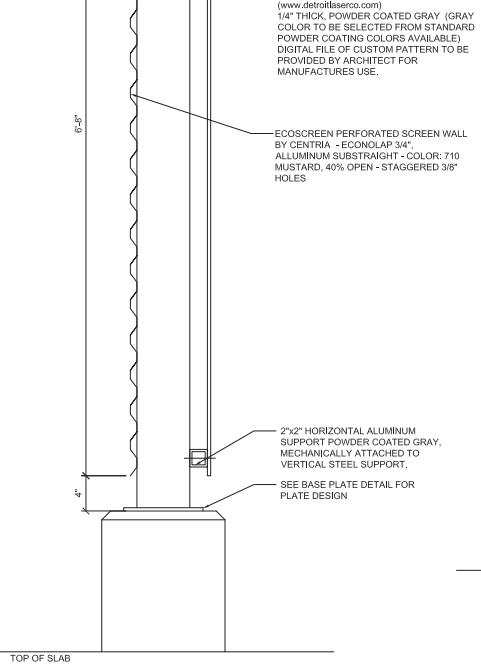
5 SCREEN WALL LAYOUT PLAN
SCALE: 1/2"=1'-0"



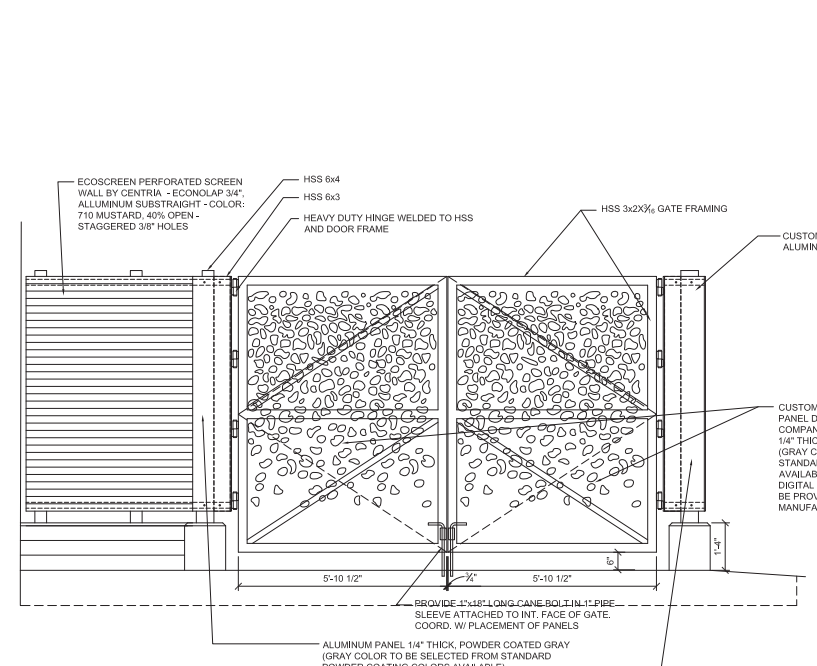
3 CONCRETE SLAB AND CURB PLAN
SCALE: 1/2"=1'-0"



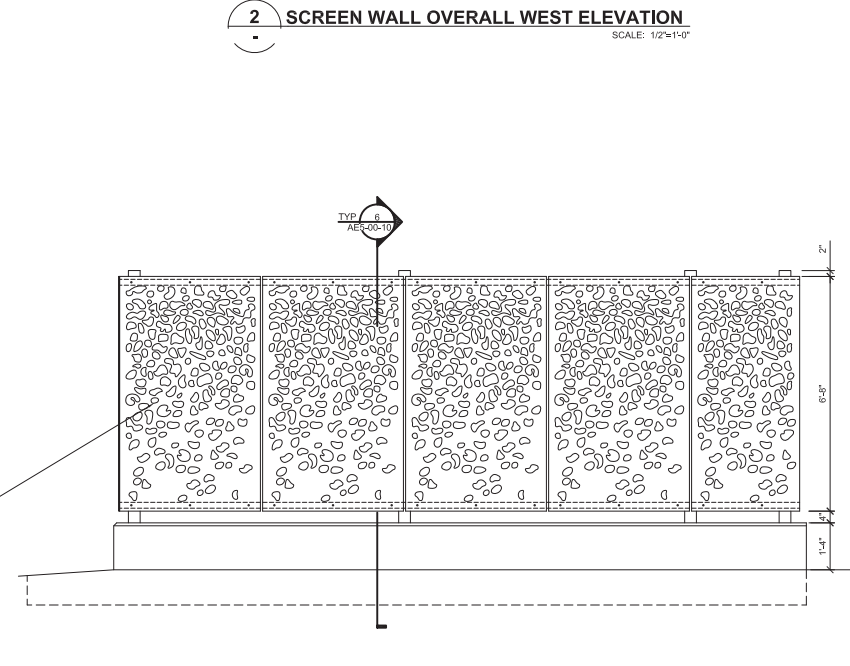
2 SCREEN WALL OVERALL WEST ELEVATION
SCALE: 1/2"=1'-0"



6 SCREEN WALL - SECTION
AE5-00-10 SCALE: 1/2"=1'-0"



4 SCREEN WALL OVERALL EAST ELEVATION
SCALE: 1/2"=1'-0"

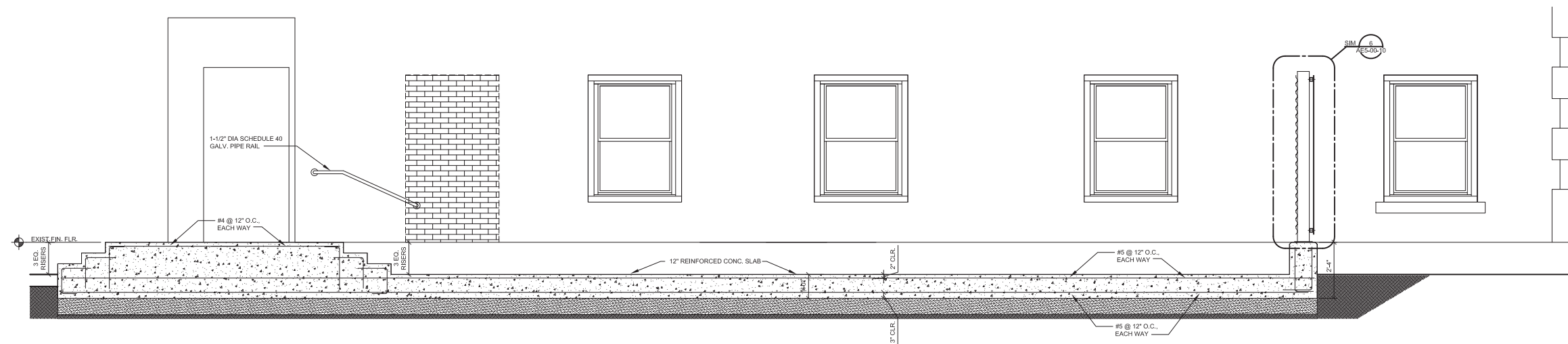


1 SCREEN WALL OVERALL WEST ELEVATION
SCALE: 1/2"=1'-0"

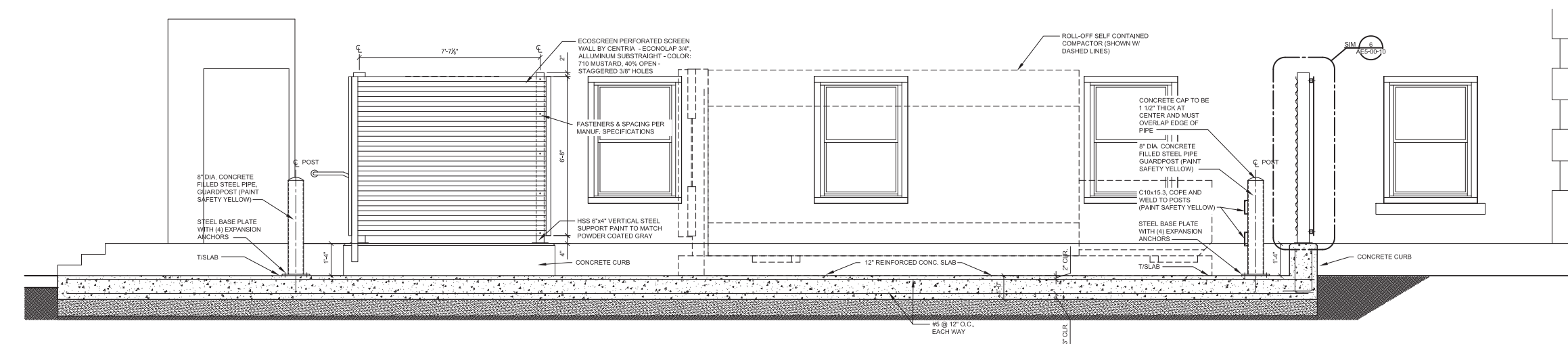
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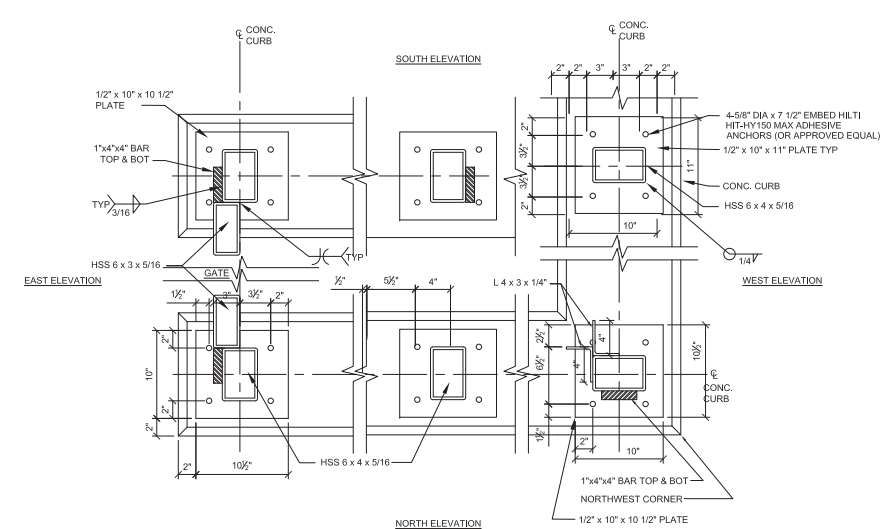
PROJECT #	147476.001
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QUALCHECK	D. RUTKOWSKI
SHEET TITLE	



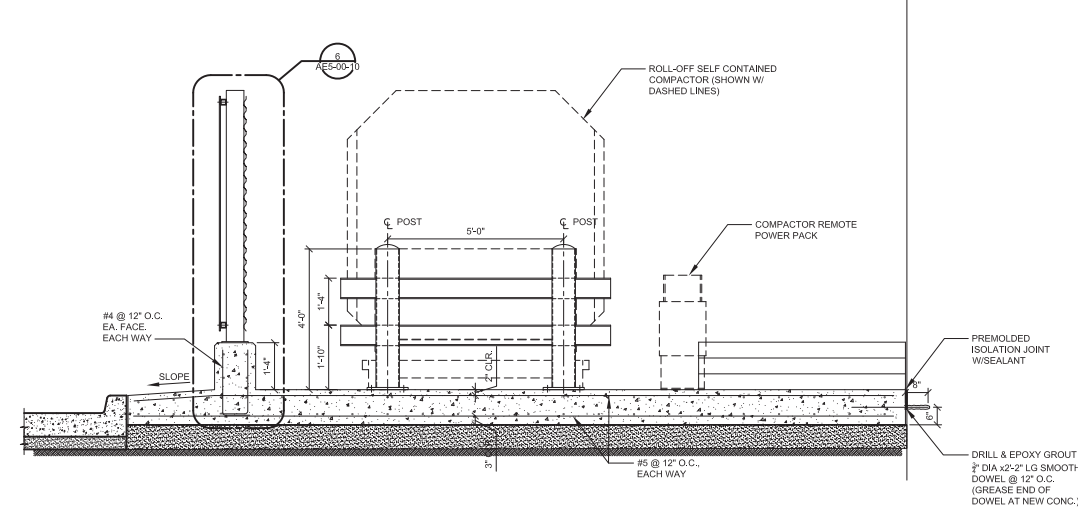
3 SECTION
AE5-00-10 SCALE: 1/2"=1'-0"



2 SECTION
AE5-00-10 SCALE: 1/2"=1'-0"



4 BASE PLATES - DETAIL
SCALE: 1-1/2"=1'-0"



1 SECTION
AE5-00-10 SCALE: 1/2"=1'-0"

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