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Ohio UTILITIES Protection Service
Call 811
before you dig

OGPUPS 
Ohio Oil & Gas Producers Underground Protection Service

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4/20/2020 10:05 AM Phifer, Donald

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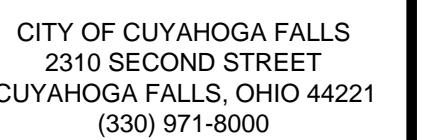
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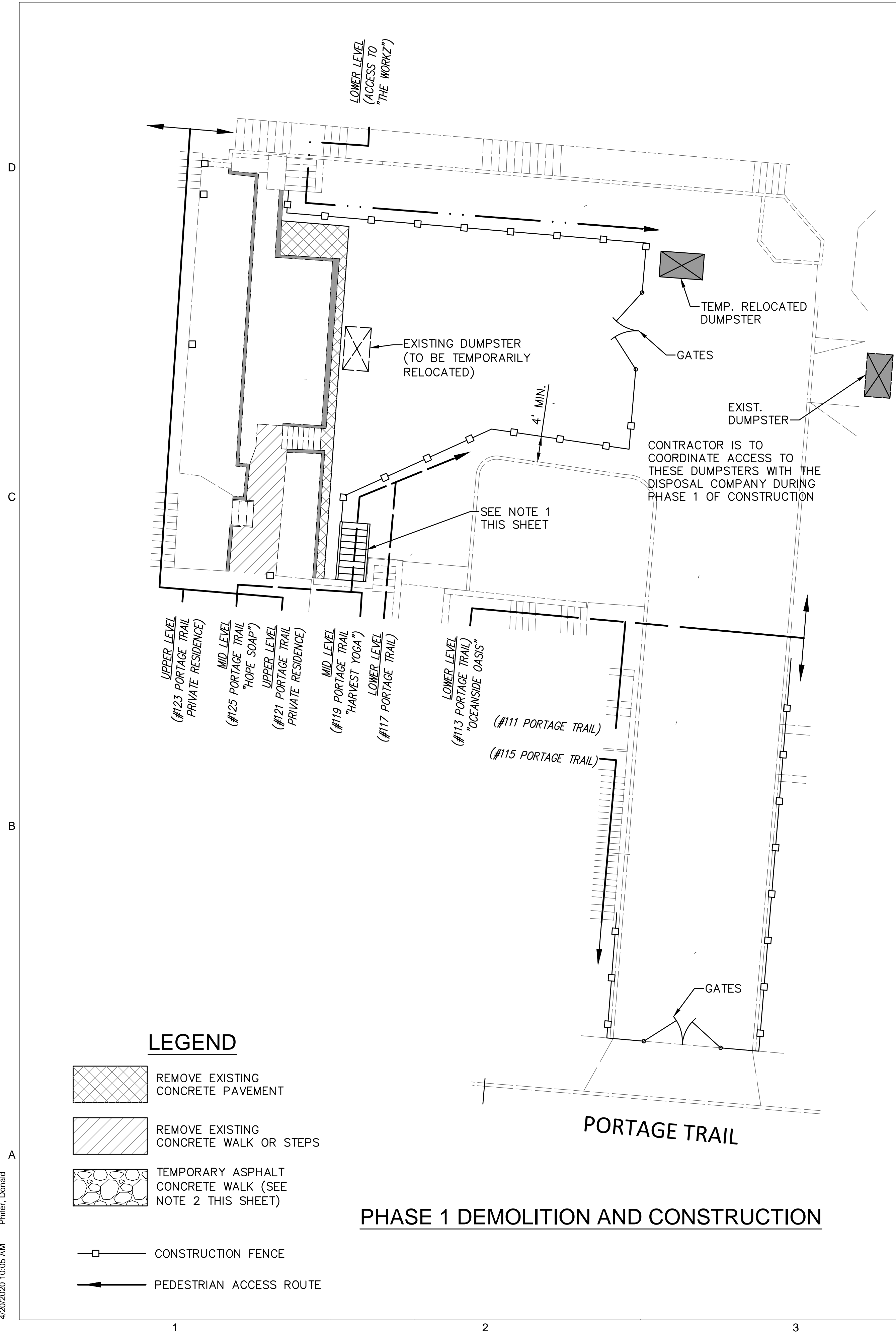
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TITLE SHEET

DRAWING NO.

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4/20/2020 10:05 AM Pflter, Donald

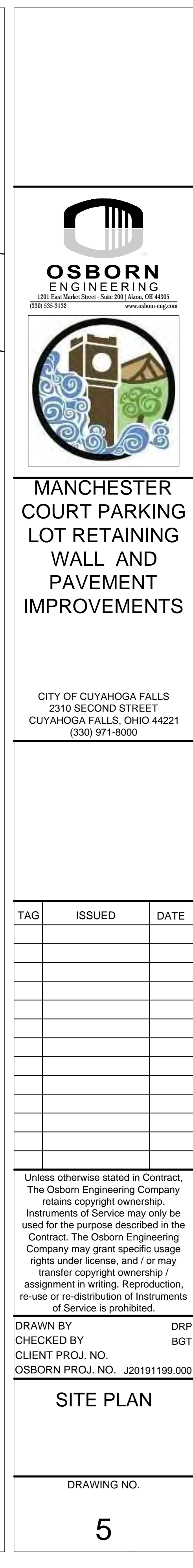


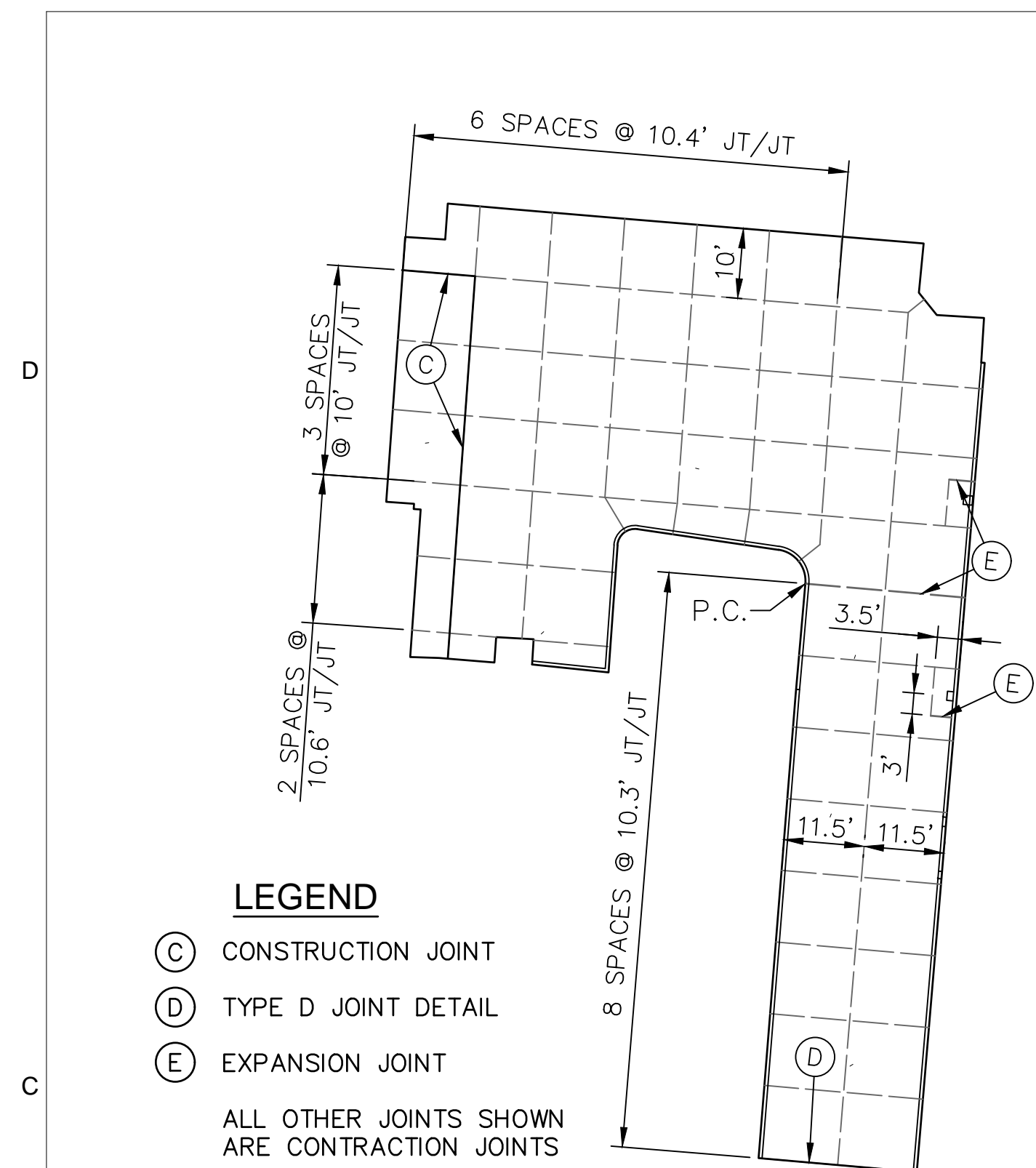


1. THE EXISTING BOLLARD LIGHTS ARE POWERED BY UNDERGROUND ELECTRIC WIRING. THE LOCATION AND SOURCE OF THIS WIRING IS UNKNOWN. THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE THE ROUTING OF THE WIRING AND PROVIDE ALL WORK AND MATERIALS NECESSARY TO DISCONNECT AND REMOVE THE ELECTRIC WIRING WITH THE BOLLARD LIGHTS. THE EXISTING BOLLARD LIGHTS SHALL BE STORED BY THE CONTRACTOR AND RE-INSTALLED, INCLUDING FOUNDATIONS IF NECESSARY, AND REWIRED BY THE CONTRACTOR AT THE CONCLUSION OF THE PROJECT WHERE DIRECTED BY THE CITY.
2. THE CONTRACTOR SHALL ALSO NOTE THAT THERE ARE EXISTING BOLLARD LIGHTS WITHIN THE PROJECT AREA THAT ARE TO REMAIN IN PLACE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ROUTING AND SOURCE OF THE WIRING SERVING THESE LIGHTS AND PROVIDE ALL WORK AND MATERIALS NECESSARY TO MAINTAIN ELECTRIC SERVICE TO THESE BOLLARD LIGHTS. AT THE CONCLUSION OF THE PROJECT, THE CONTRACTOR SHALL PROVIDE THE CITY OF CUYAHOGA FALLS WITH A DRAWING DIAGRAMMING THE WIRING FOR THESE LIGHTS, INCLUDING POWER SOURCE LOCATION.
3. REMOVAL AND REINSTALLATION OF THE BOLLARD LIGHTS, INCLUDING FOUNDATIONS, NEW WIRING, AND ELECTRIC DRAWING, SHALL BE PAID FOR UNDER THE LUMP SUM PRICE BID FOR ITEM SPECIAL-LIGHTING REMOVED AND REINSTALLED.
4. CONTRACTOR IS TO COORDINATE ACCESS TO THE STORAGE AREA AT THIS LEVEL WITH THE AREA OWNER.
5. REMOVE AND DISPOSE OF EXISTING ROOF LEADER PIPE AS NECESSARY (PAYMENT SHALL BE INCIDENTAL TO THE LUMP SUM PRICE BID FOR STRUCTURE REMOVED: TIMBER RETAINING WALL).
6. ALL PAVEMENT AND WALKS SHALL BE NEATLY SAW CUT AT THE REMOVAL LIMITS. SAW CUTTING OF THE EXISTING CONCRETE SHALL BE CONSIDERED INCIDENTAL TO THE UNIT PRICE BID FOR THE PERTINENT REMOVAL ITEM.



TYPE III BARRICADE

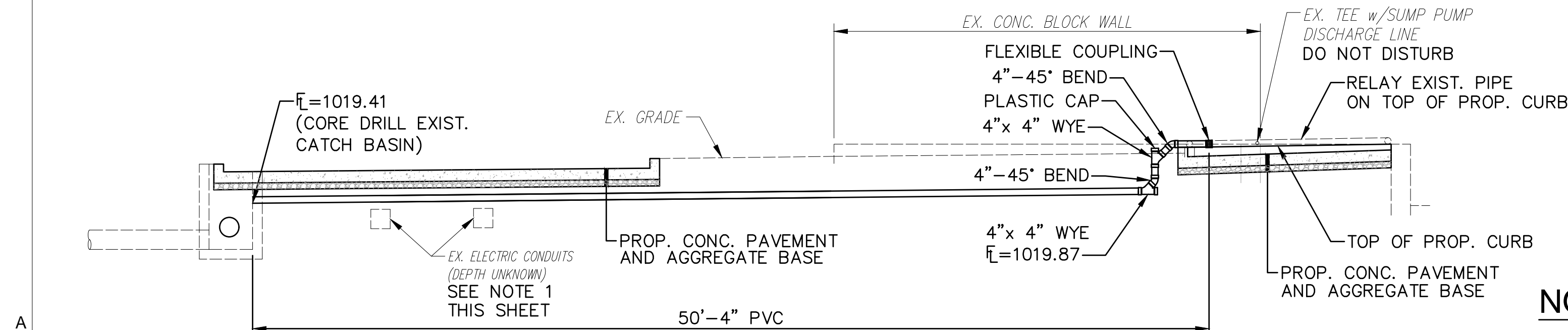




PAVEMENT JOINTING DETAIL

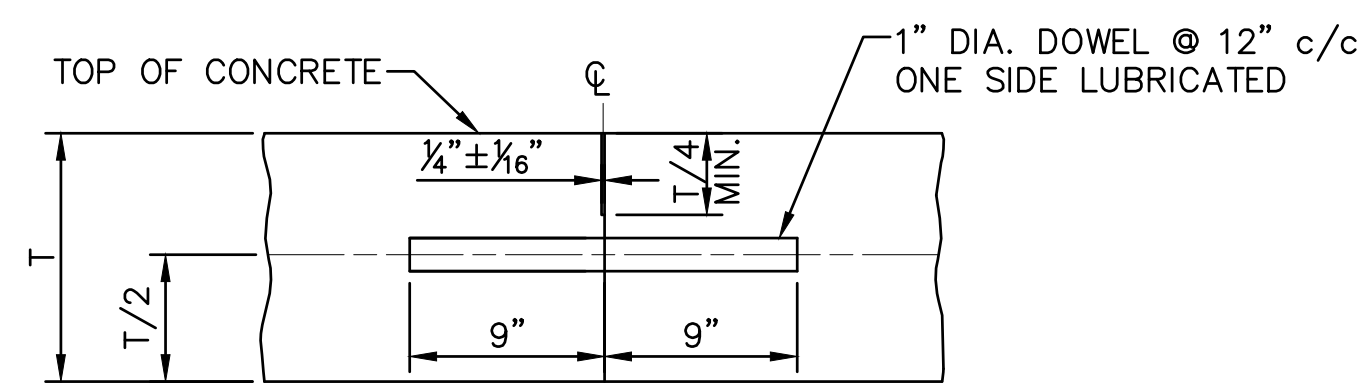


EXISTING STORM DRAIN OUTLET - DETAIL "A"



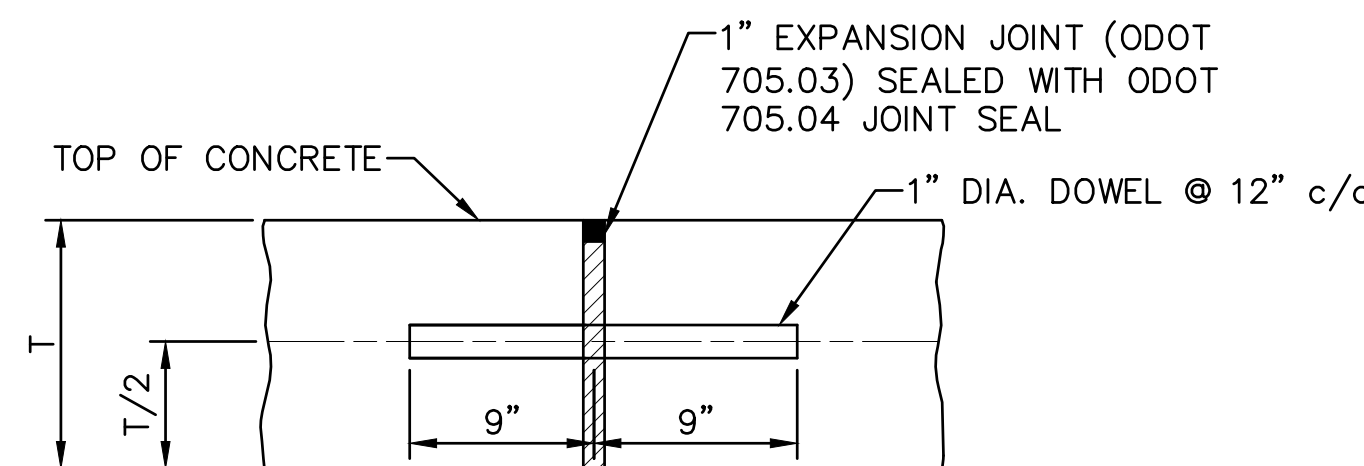
EXISTING STORM DRAIN OUTLET - DETAIL "B"

(SECTION LOOKING SOUTH)

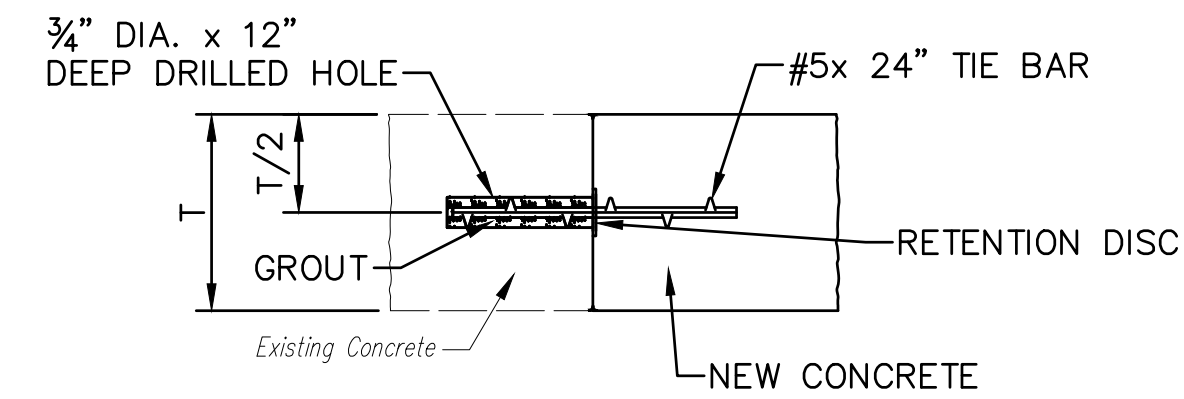


TO BE USED BETWEEN AREAS OF CONCRETE PLACED AT
DIFFERENT TIMES DURING THE COURSE OF THE PROJECT.

CONSTRUCTION JOINT DETAIL



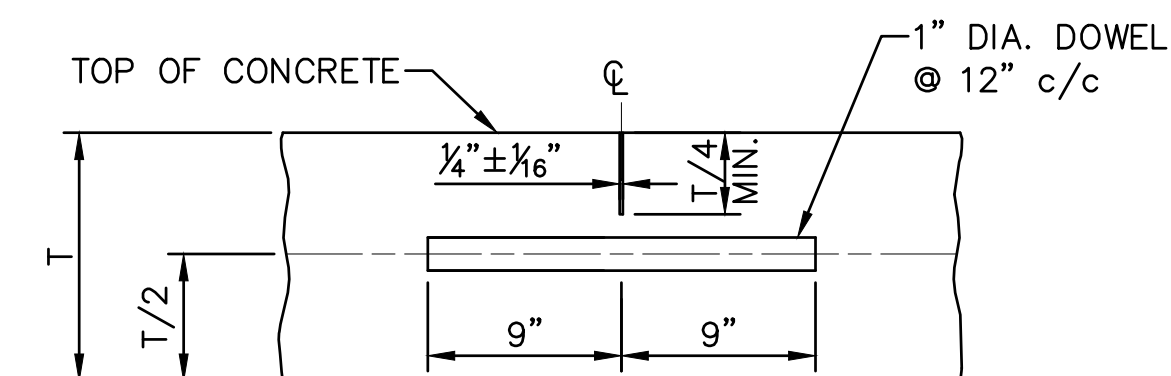
EXPANSION JOINT DETAIL



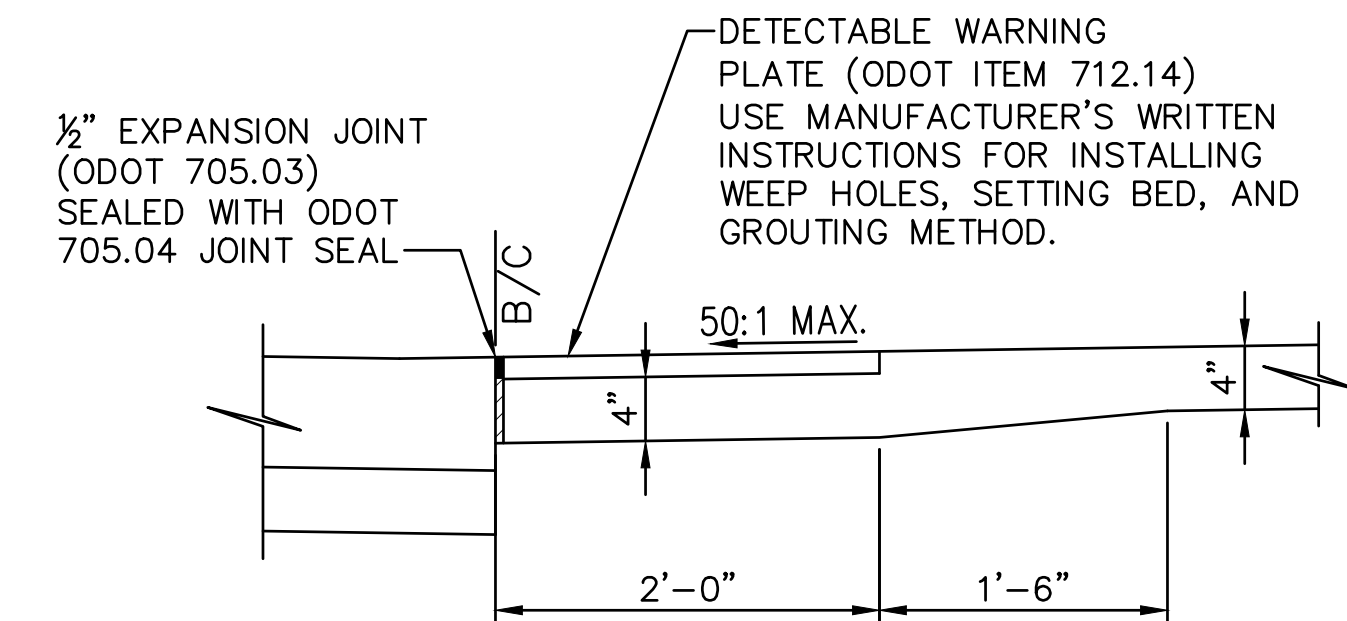
TYPE D JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ODOT CMS 255.05. THE NYLON OR PLASTIC RETENTION DISC SHALL BE CLEAR OR OPAQUE WHITE IN COLOR. GROUT SHALL MEET THE REQUIREMENTS OF CMS 255.02. ¾" EXPANSION ANCHORS, CMS 712.01.A MAY BE USED IN LIEU OF THE #5x 24" DEFORMED BAR AND SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

THE USE OF SELF DRILLING EXPANSION SHIELD ANCHORS,
CMS 712.01.B, SHALL NOT BE PERMITTED.

TYPE D JOINT DETAIL



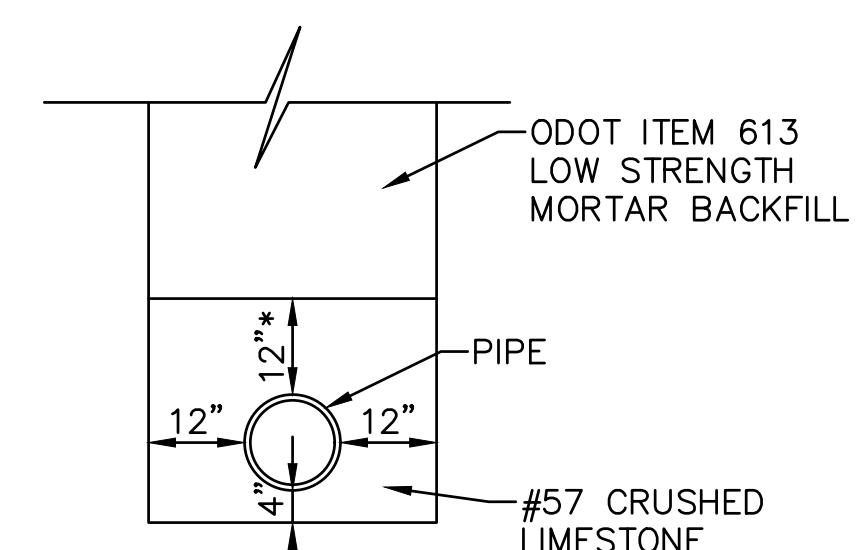
CONTRACTION JOINT DETAIL



NOTES

- COLOR OF THE DETECTABLE WARNINGS SHOULD CONTRAST WITH SURROUNDING CONCRETE WALK AND RAMP. BLACK IS NOT AN ACCEPTABLE COLOR. APPROVED PRODUCTS AND GUIDANCE ON COLOR MAY BE FOUND ON THE ODOT OFFICE OF ROADWAY ENGINEERING SERVICE'S DETECTABLE WARNINGS APPROVED LIST.
- INSTALL PRODUCTS AS PER MANUFACTURER'S PRINTED INSTRUCTIONS.

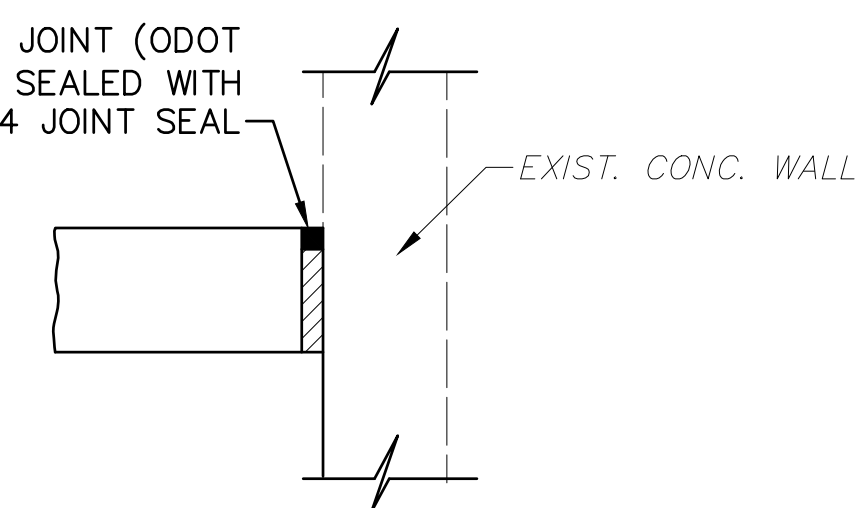
DETECTABLE WARNING DETAIL



* = PLACE #57 CRUSHED LIMESTONE WHERE THE DISTANCE BETWEEN THE PAVEMENT SUBGRADE AND TOP OF PIPE IS LESS THAN 12".

SEWER TRENCH DETAIL

PLASTIC PIPE



CONCRETE PAVEMENT AT EXIST. WALL DETAIL



MANCHESTER
COURT PARKING
LOT RETAINING
WALL AND
PAVEMENT
IMPROVEMENTS

CITY OF CUYAHOGA FALLS
2310 SECOND STREET
CUYAHOGA FALLS, OHIO 44221
(330) 971-8000

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OSBORN PROJ. NO.	J20191199.000

MISCELLANEOUS PAVEMENT DETAILS

DRAWING NO.



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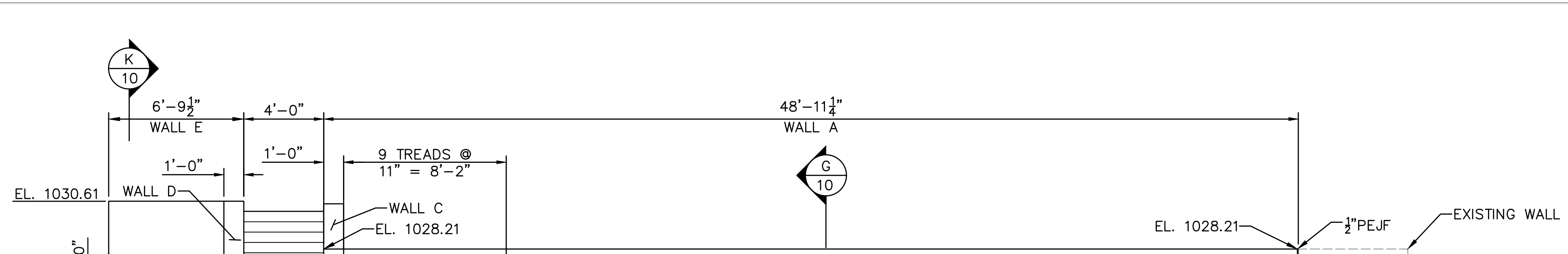
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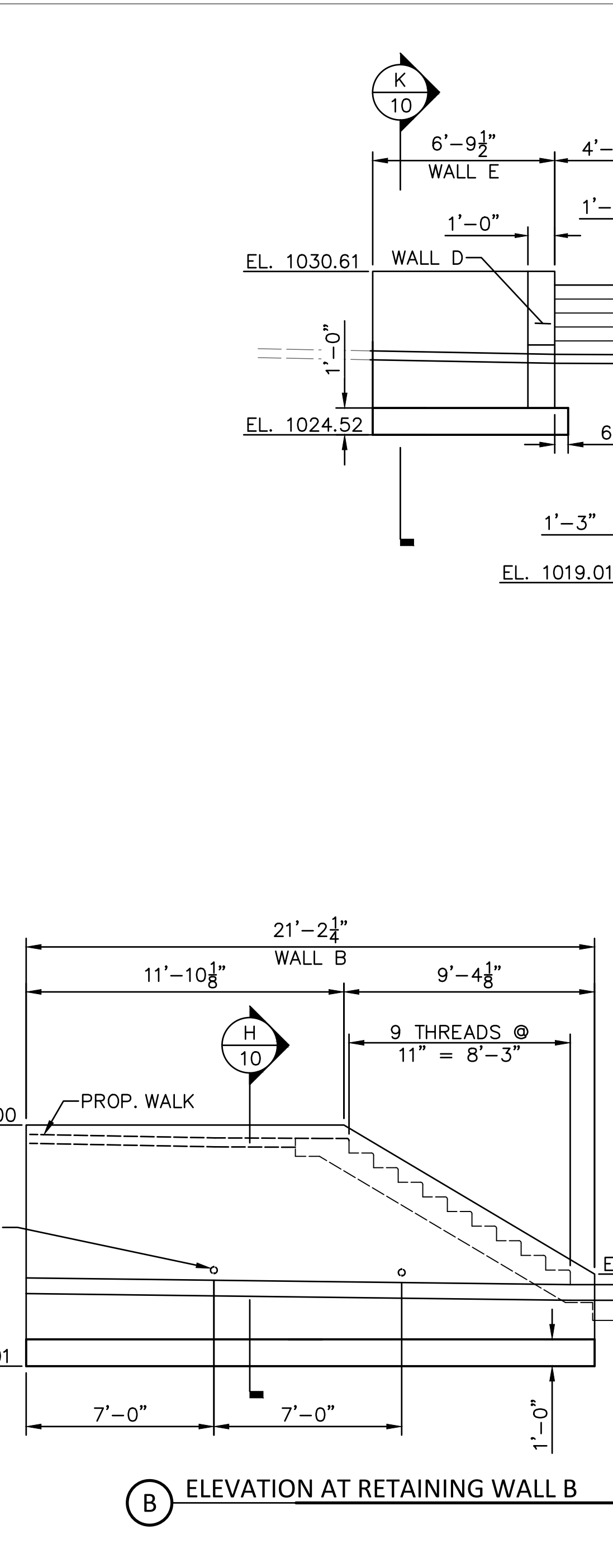
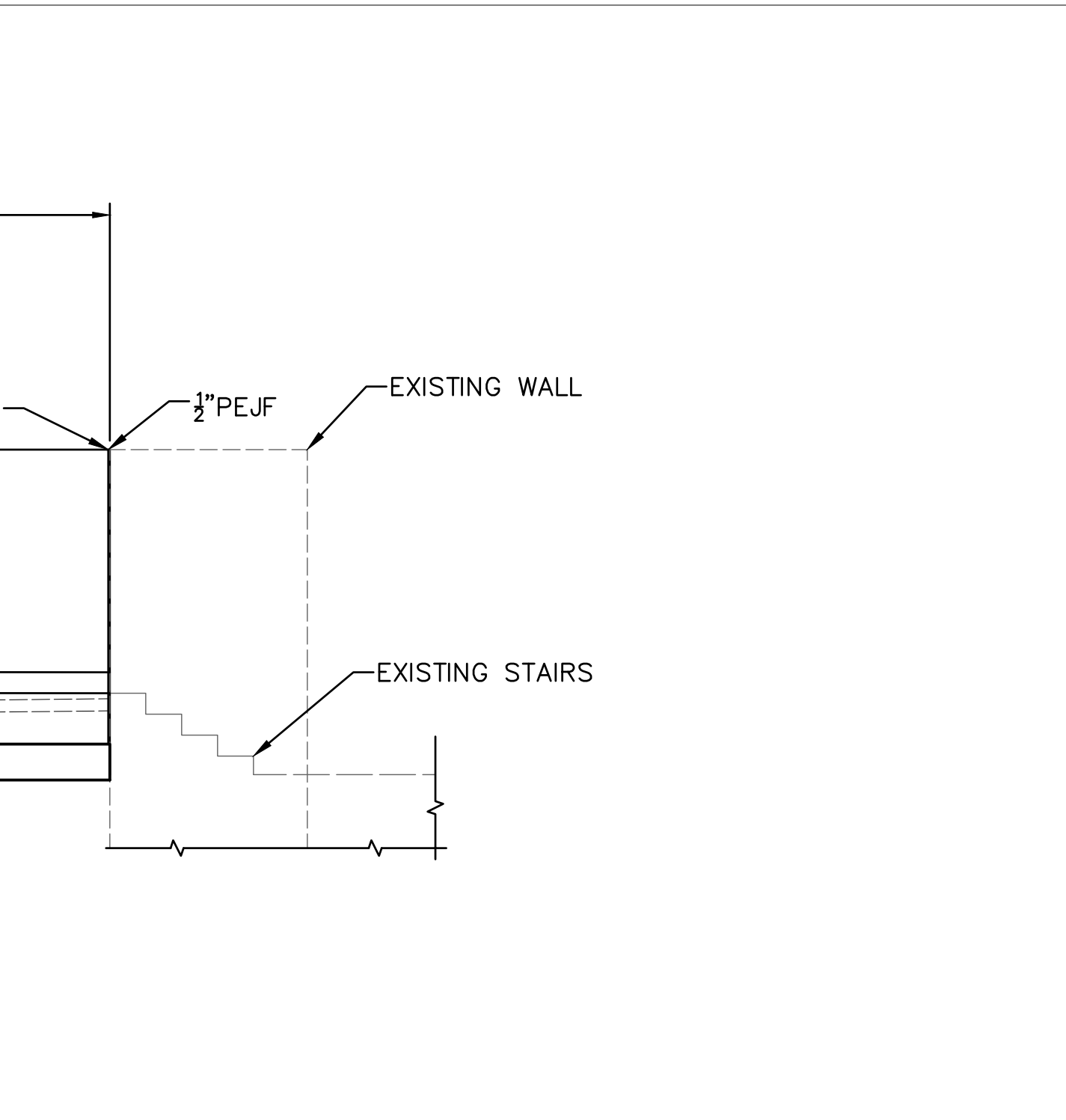
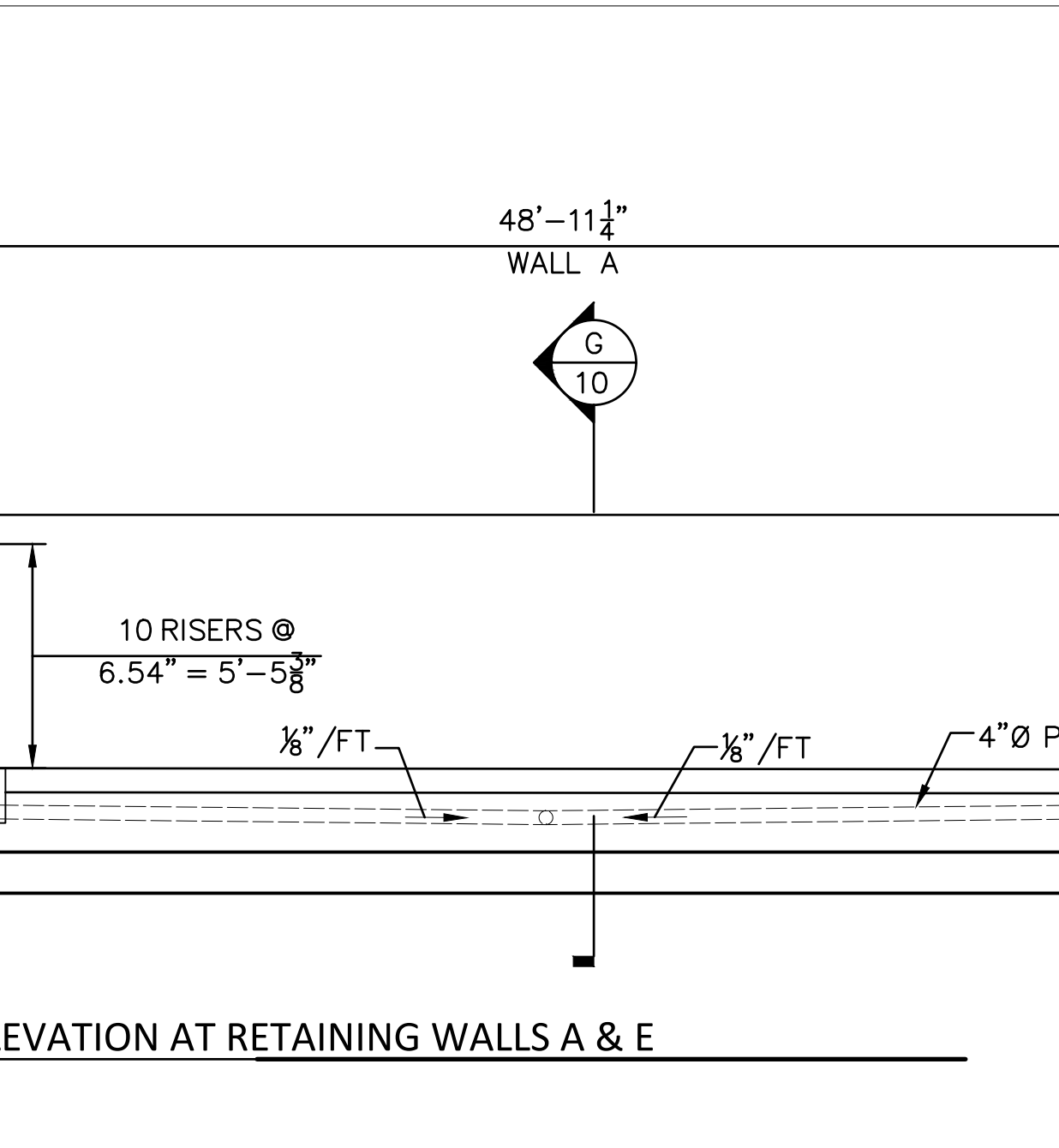
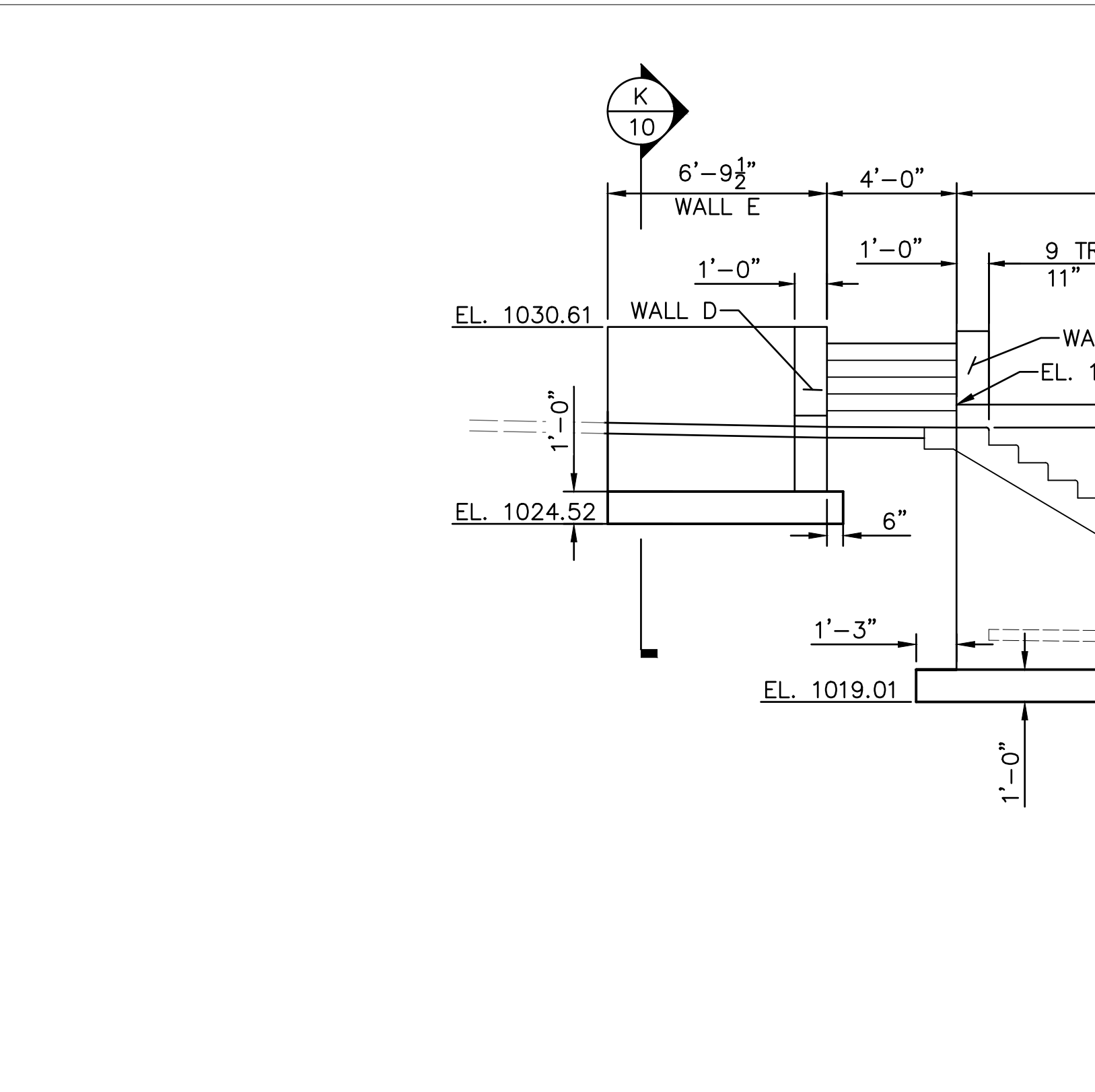
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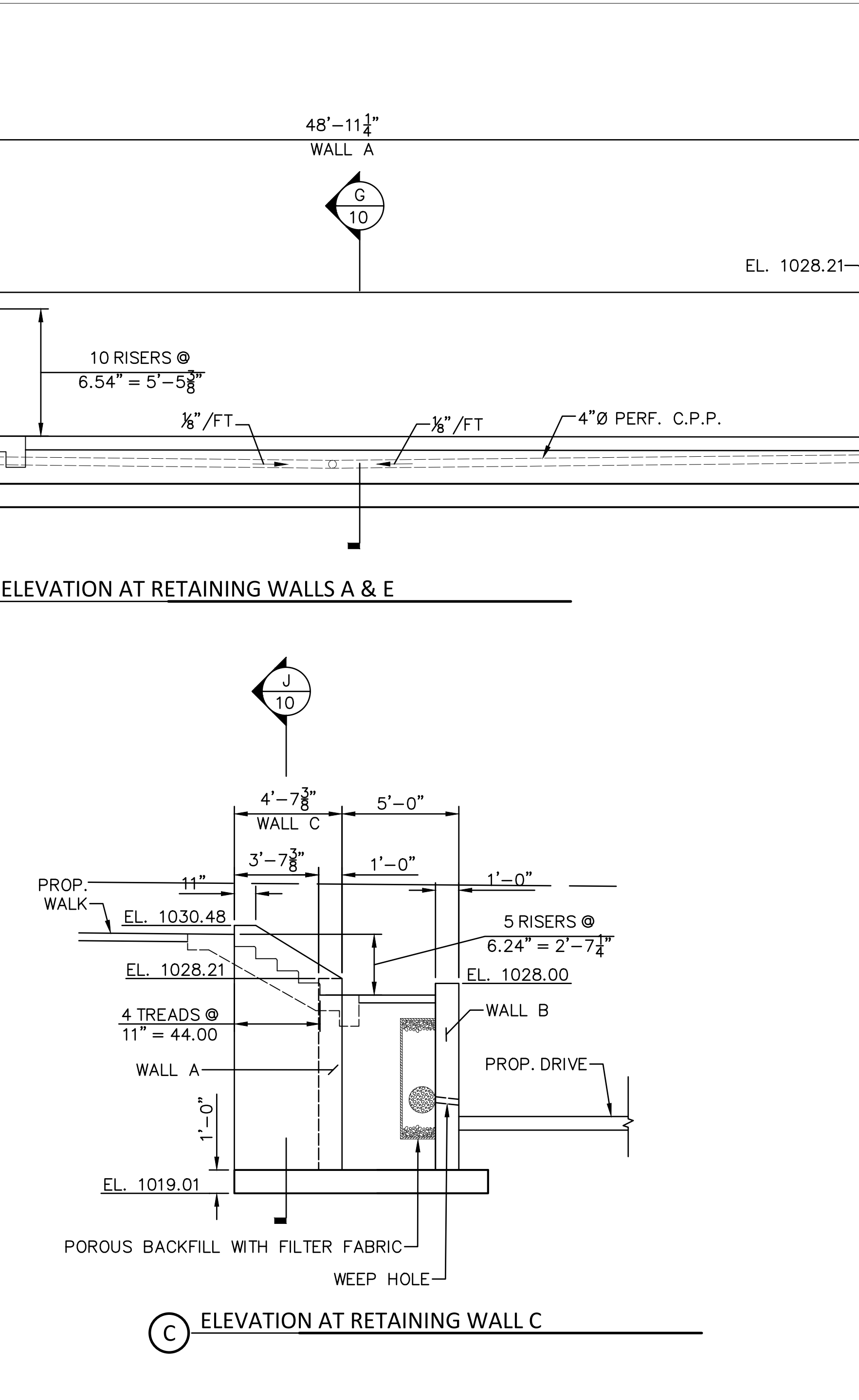
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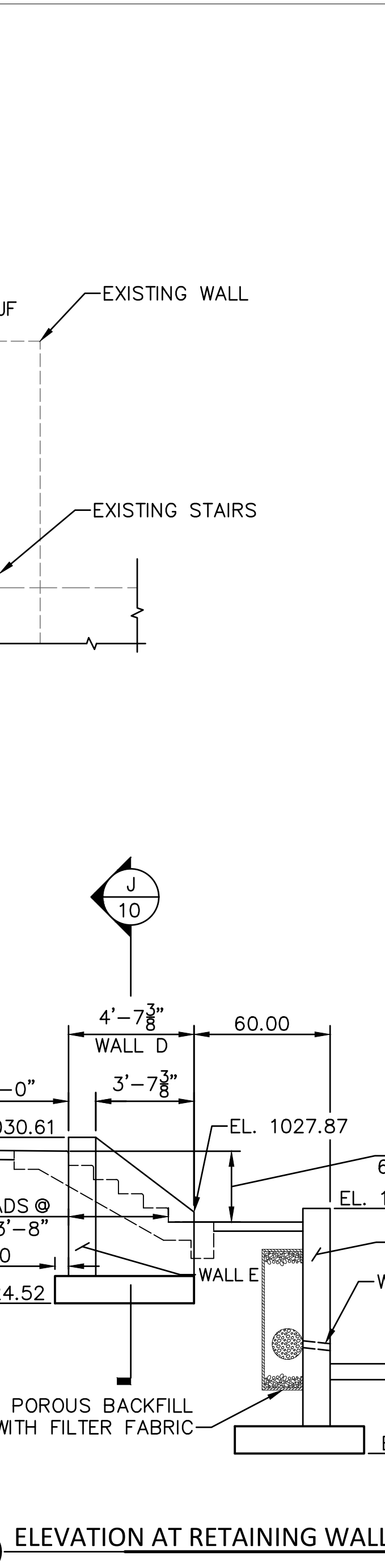




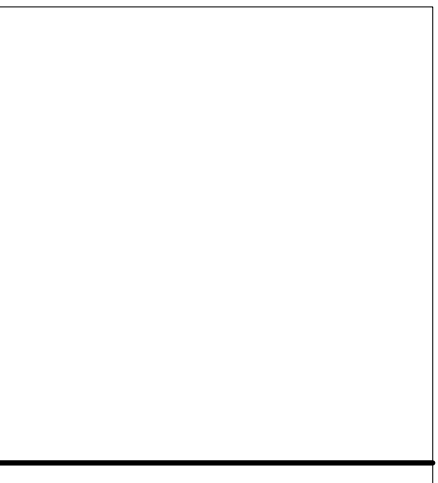
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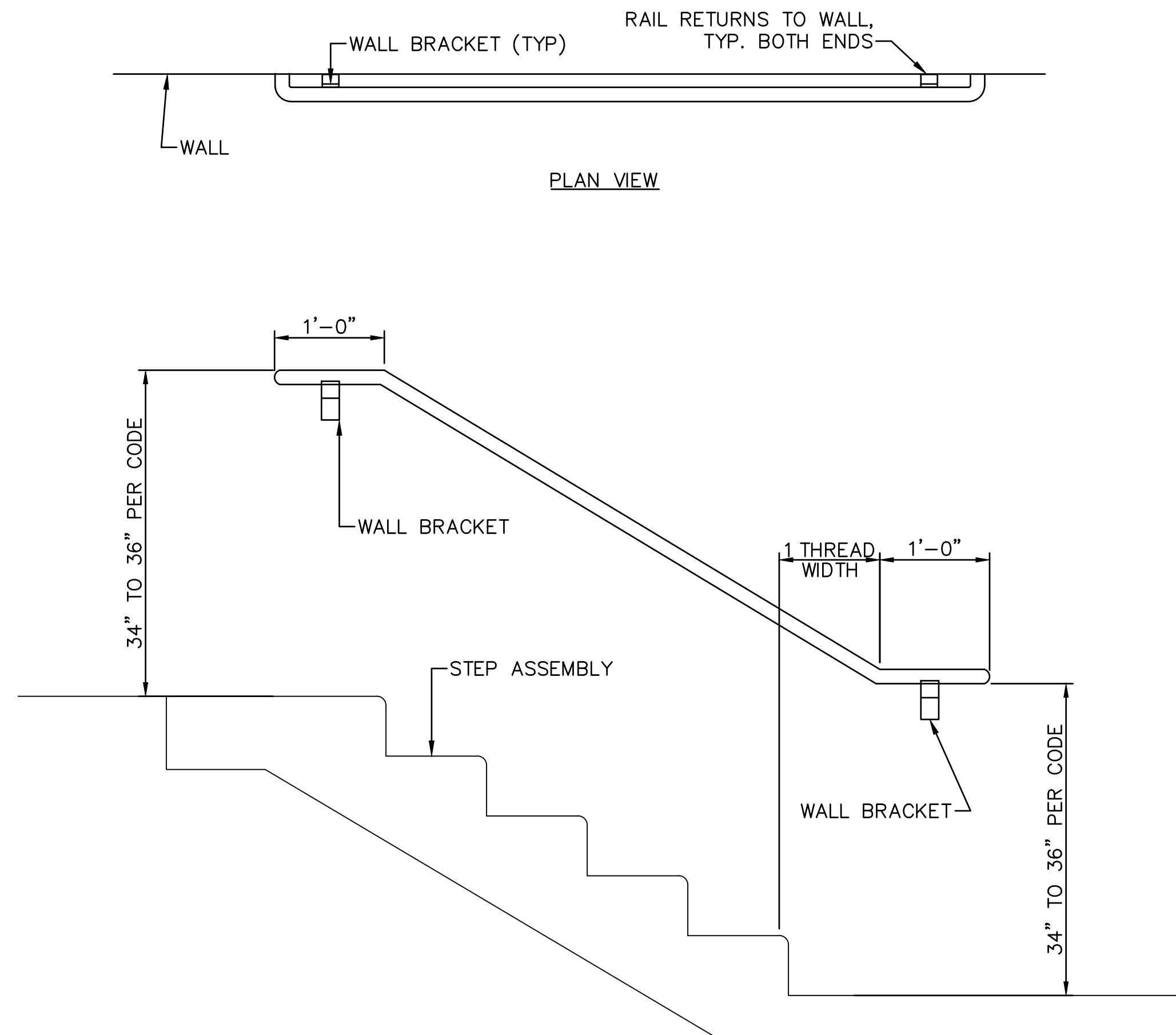
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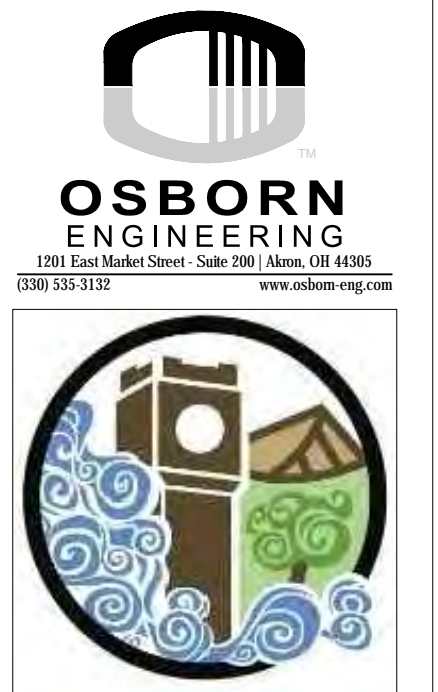
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CHECKED BY	BGT
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SBORN PROJ. NO.	J20191199.000

DRAWING NO.

9



1. DRAWINGS ARE INTENDED TO CONVEY THE DESIGN INTENT AND PROVIDE GENERAL GUIDANCE ON THE OVERALL LAYOUT AND GEOMETRY OF THE NEW GUARD RAILS AND HANDRAILS SHOWN. DELEGATED DESIGN IS REQUIRED. AS PART OF THE DELEGATED DESIGN REQUIREMENTS CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL DESIGN, MEMBER SIZING, AND GEOMETRY.
2. CONTRACTOR SHALL PREPARE SHOP DRAWINGS FOR THE COMPLETE GUARD RAIL AND HANDRAIL DESIGN IN ACCORDANCE WITH ODOT C&MS 501.04. SUBMITTAL SHALL INCLUDE SHOP DRAWINGS SHOWING PLANS, ELEVATIONS, SECTIONS, DETAILS, AND ATTACHMENT TO ADJACENT WORK. SHOP DRAWINGS SHALL BE SUBMITTED TO THE CITY FOR APPROVAL BEFORE FABRICATION OF THESE ITEMS.
3. SHOP DRAWING SUBMITTAL SHALL INCLUDE ENGINEERING ANALYSIS STAMPED, SIGNED, AND DATED BY THE REGISTERED ENGINEER RESPONSIBLE FOR THEIR PREPARATION.
4. STRUCTURAL PERFORMANCE OF RAILINGS: GUARDRAILS AND HANDRAILS SHALL WITHSTAND THE FOLLOWING LOADS AND STRESSES WITHIN LIMITS AND UNDER CONDITIONS INDICATED:
 - UNIFORM LOAD OF 50 LBF/FT. APPLIED IN ANY DIRECTION.
 - CONCENTRATED LOAD OF 200 LBF APPLIED IN ANY DIRECTION.
 - UNIFORM AND CONCENTRATED LOADS NEED NOT BE ASSUMED TO ACT CONCURRENTLY.
5. STRUCTURAL PERFORMANCE FOR THE INFILL OF GUARDRAILS: INFILL COMPONENTS SHALL WITHSTAND THE FOLLOWING LOADS AND STRESSES WITHIN LIMITS AND UNDER CONDITIONS INDICATED:
 - CONCENTRATED LOAD OF 50 LBF APPLIED HORIZONTALLY ON AN AREA OF 1 SQ. FT.
 - INFILL LOADS AND OTHER LOADS NEED NOT BE ASSUMED TO ACT CONCURRENTLY.
6. ALL EXTERIOR STEEL TO BE GALVANIZED.
7. ALL EXTERIOR STEEL TO BE PAINTED. PAINT COLOR TO BE CHOSEN BY THE CITY. CONTRACTOR IS TO PROVIDE SAMPLES OF AVAILABLE COLORS.



MANCHESTER
COURT PARKING
LOT RETAINING
WALL AND
PAVEMENT
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RAILING DETAILS

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