

GENERAL NOTES

1. THESE DRAWINGS ARE INTENDED TO BE USED FOR THE CONSTRUCTION OF THE RETAINING WALL SHOWN IN THE PROJECT AREA. THE CONSTRUCTION SHALL BE PERFORMED BY EXPERIENCED CONTRACTORS THAT FOLLOW CURRENT STANDARD PRACTICES.
2. THESE DRAWINGS SHOW THE FINAL STAGE OF THE STRUCTURE AND DO NOT INDICATE ANY CONSTRUCTION METHODS THAT SHOULD BE USED.
3. THE BACKFILL BEHIND THE EXISTING WALL IS SUITABLE FOR REUSE AFTER CONSTRUCTION OF THE NEW DESIGN.
4. CONSTRUCTION INSPECTION SHOULD BE CONDUCTED BY THE APPROPRIATE INSPECTION COMPANY/PARTY.
5. A SURCHARGE OF 80 PSF WAS CONSIDERED FOR THE POSSIBILITY OF A SCHOOL MAINTENANCE VEHICLE PARKED BEHIND THE WALL.
6. THE CMU BLOCK DIMENSIONS ARE SPECIFIED IN THE DRAWINGS AND SHALL MATCH THE EXISTING CMU TEXTURE OF THE ADJACENT BUILDINGS.
7. TREES IN CONFLICT WITH THE PROPOSED WALL SHALL BE REMOVED.

DESIGN

1. PROPERTIES FOR DESIGN ARE BASED ON GEOTECHNICAL TESTING AND EMPIRICAL EQUATIONS.

CONCRETE

1. BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE: ACI 318-14
2. MASONRY CONCRETE STRENGTH = 1500 psi
3. FOOTING CONCRETE STRENGTH = 2500 psi

STEEL

1. ASTM A615
2. YIELD STRENGTH = 60,000 psi

DRAINAGE

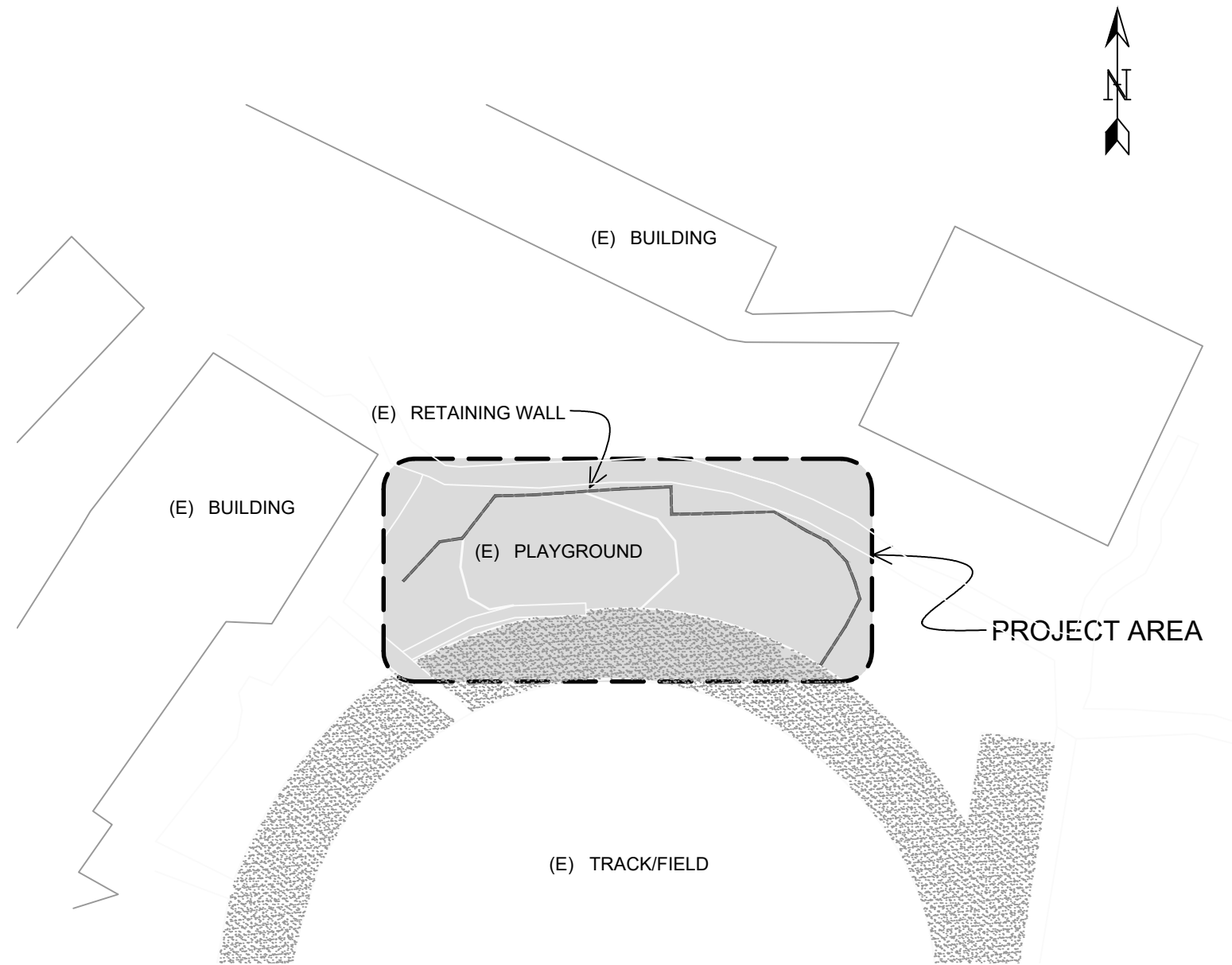
1. 3" DIAMETER PVC PIPE AT EVERY 8 FEET
2. GRANULAR BACKFILL

LEGEND

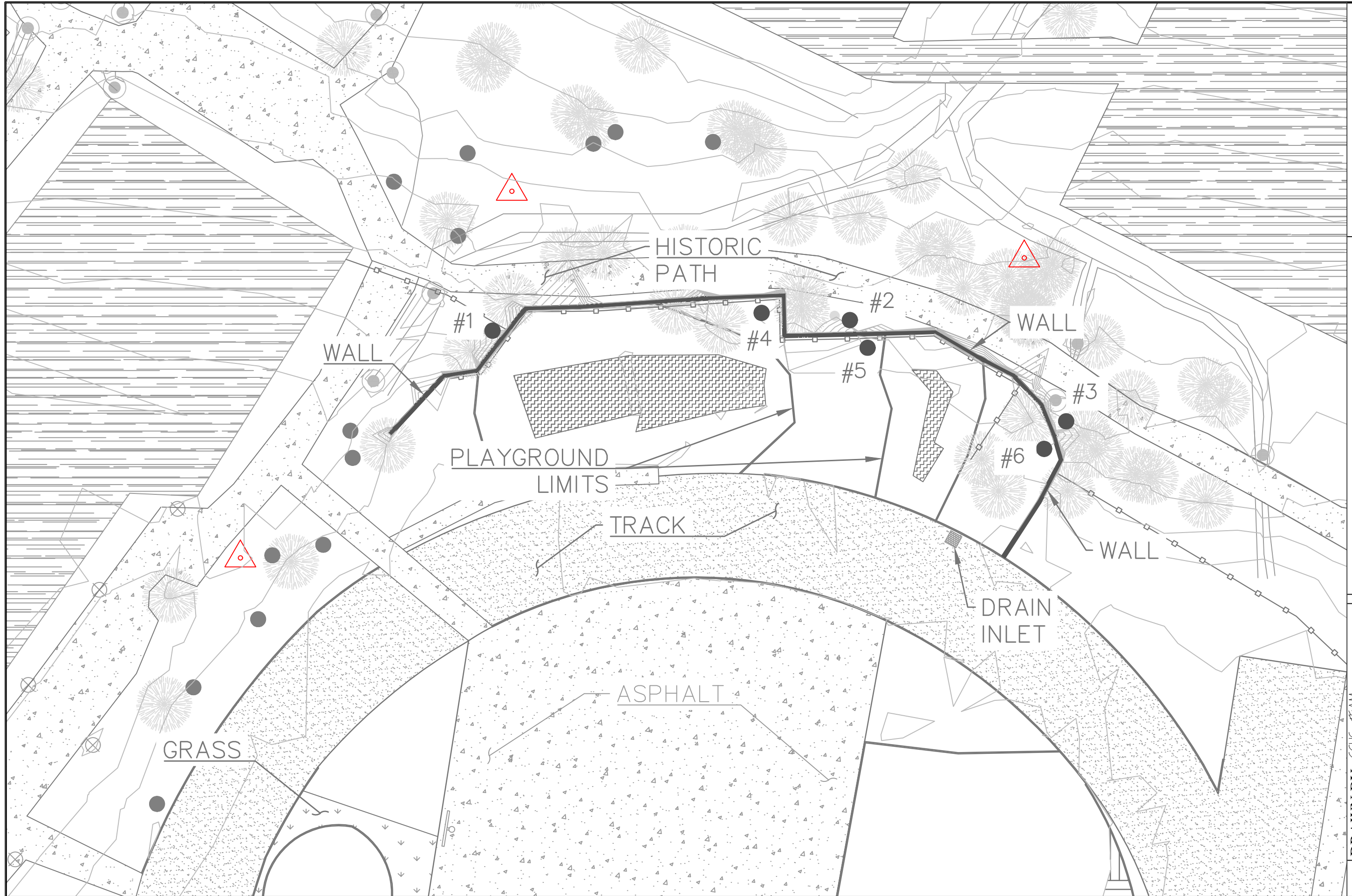
- (E) = EXISTING
- O.C = ON CENTER
- E.G. = EXISTING GRADE
- F.G. = FINISH GRADE
- = EXISTING RETAINING WALL
- = PROPOSED RETAINING WALL

GRAND CANYON K-12 SCHOOL RETAINING WALL RE-DESIGN

100 Boulder St, Grand Canyon Village, AZ 860236



1 EXISTING SITE PLAN
1"=50'-0"



CENE 486C CAPSTONE

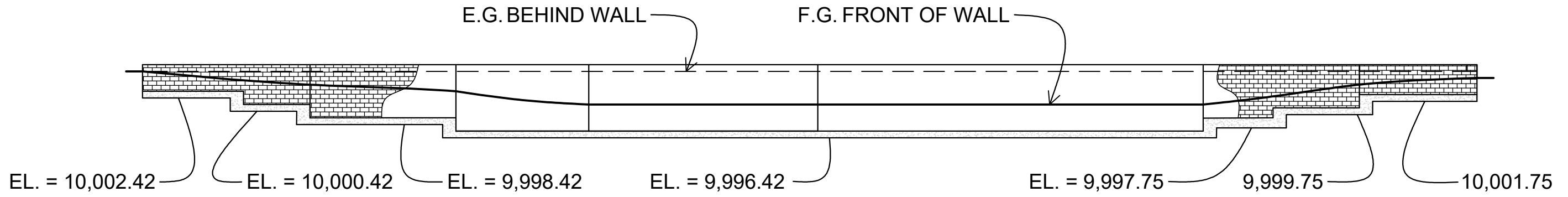
GCHS RETAINING WALL

DRAWN BY: GCHS_TEAM

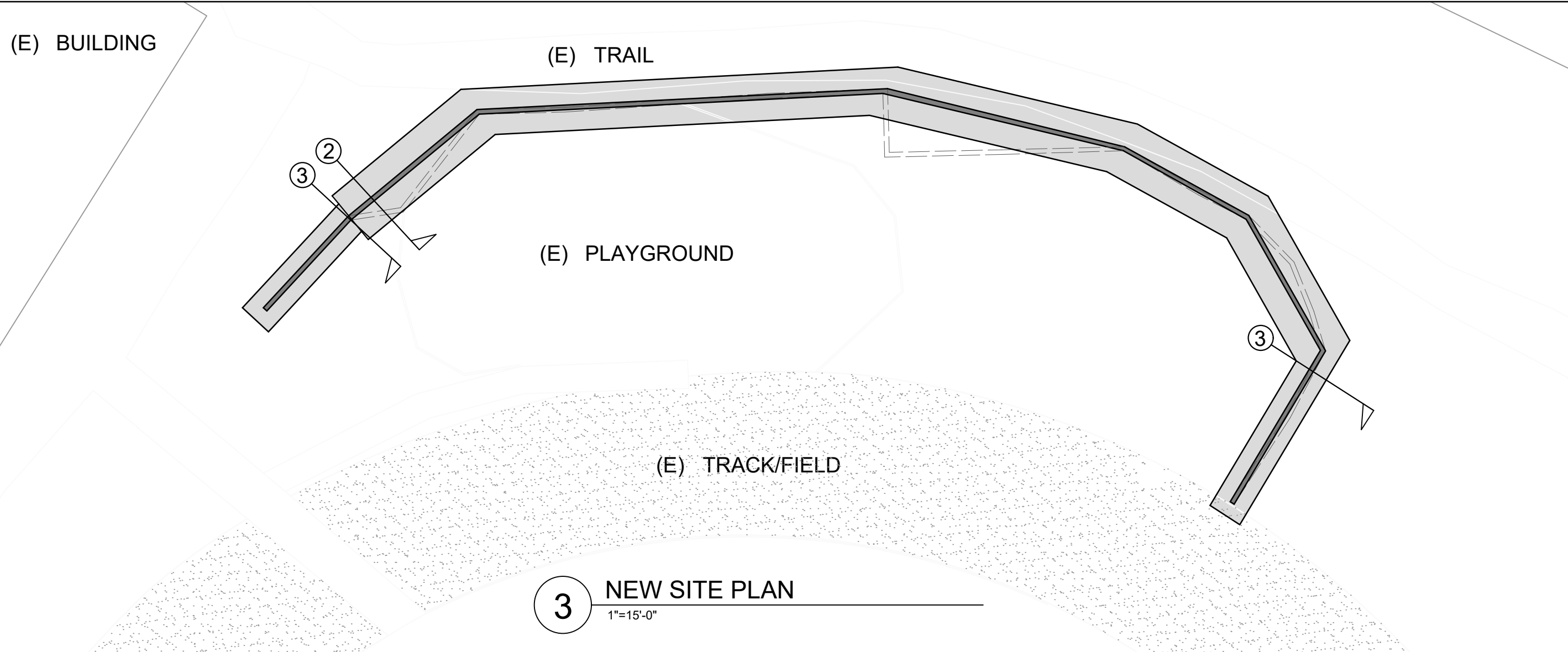
CHECKED BY: GCHS_TEAM

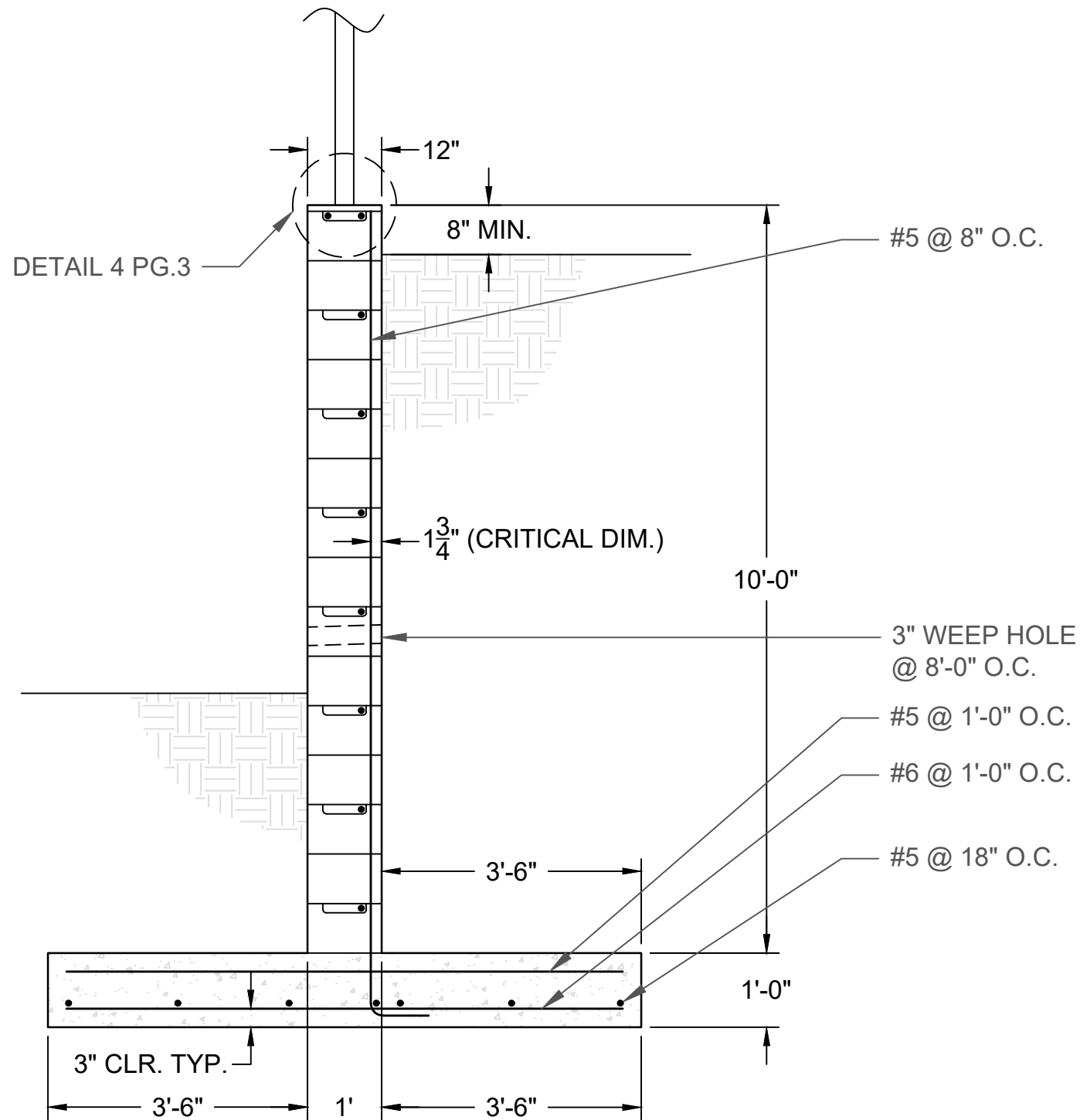
DATE: 11-26-2018

SCALE: 1" = 20'-0"

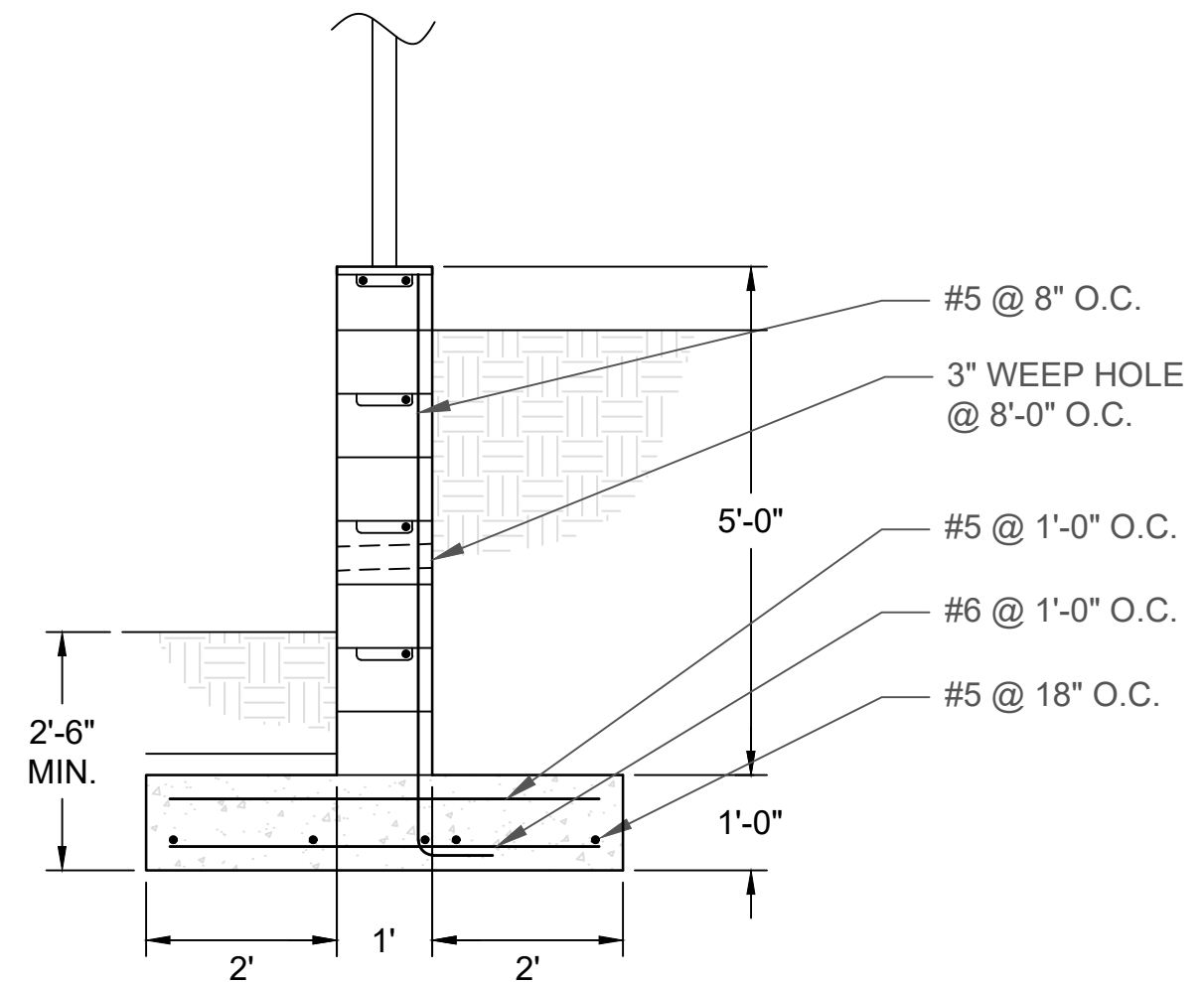


2 PROFILE OF PROPOSED WALL
 $\frac{1}{16}'' = 1'-0''$





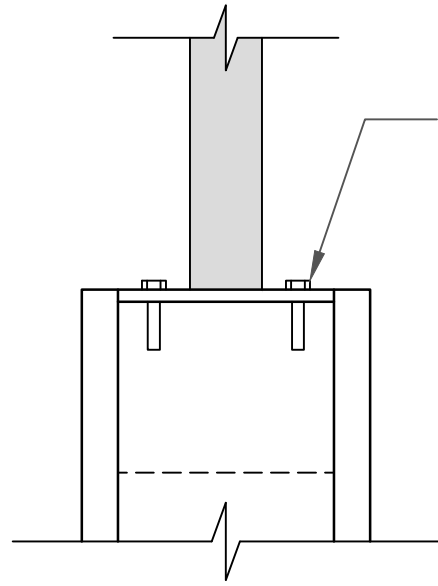
4 RETAINING WALL DETAIL
 1/2" = 1'-0"



5 RETAINING WALL DETAIL #2
 1 1/2" = 1'-0"

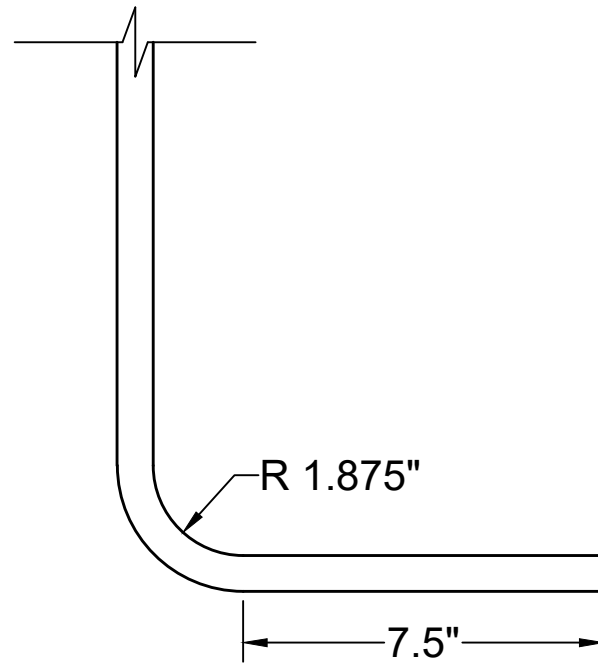
CENE 486C CAPSTONE
GCHS RETAINING WALL

DRAWN BY: GCHS_TEAM
 CHECKED BY: GCHS_TEAM
 DATE: 12-07-2018
 SCALE: REFER_TO_DWG5



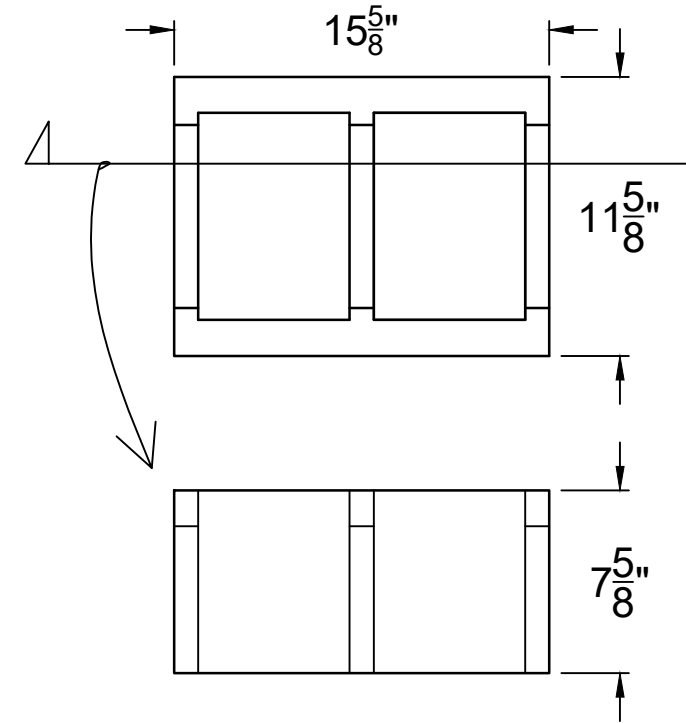
PL $\frac{1}{2}$ "x9"x9
w/ (4) $\frac{1}{2}$ "Ø
14 DD studs in

6 POST POCKET DETAIL
 $\frac{1}{2}$ "=1'-0"



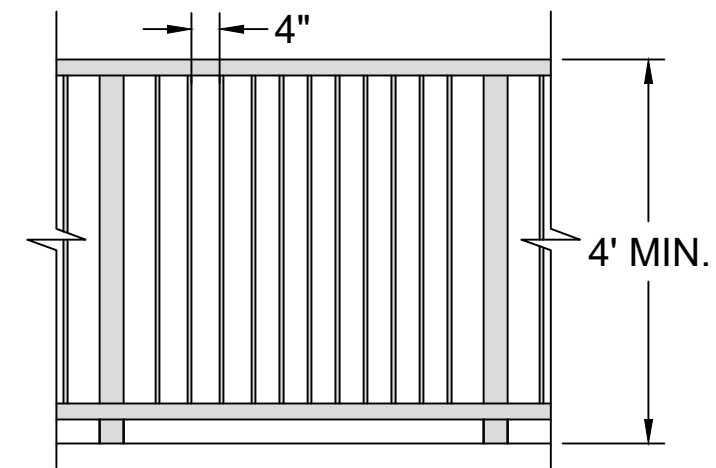
R 1.875"
7.5"

7 HOOK DETAIL
3"=1'-0"



$15\frac{5}{8}$ "
 $11\frac{5}{8}$ "
 $7\frac{5}{8}$ "

8 CONCRETE MASONRY UNIT
 $\frac{1}{2}$ "=1'-0"



4"
4' MIN.

9 HAND RAIL DETAIL
 $\frac{1}{2}$ "=1'-0"