

RETAINING WALL FOR PROPOSED HOLIDAY INN HOTEL FLAGSTAFF, ARIZONA



**WALL E. WALLERSON
& ASSOCIATES INC.**

PROJECT OWNER:

66TH AND FOURTH LLC
3599 LEE CIRCLE
PRESCOTT, AZ 86301

ENGINEERING TEAM:

WALL E. WALLERSON AND ASSOCIATES INC
CHRIS COOK, JOSH ENDERSBY, AND HUNTER SCHNOEBELEN
2112 S. HUFFER LANE
FLAGSTAFF, ARIZONA 86001

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SITE DESCRIPTION:

PHYSICAL DESCRIPTION:
THE CURRENT CONDITIONS ON THE SITE COULD BE GENERALLY CHARACTERIZED AS UNDEVELOPED AND INCLUDES A STEEP SLOPE ON THE SOUTHEASTERN PROPERTY LINE. THE PARCEL BOUNDARY ON THE SOUTHEASTERN SIDE SEPARATES THE TRAX HOLIDAY INN AND THE RAILROAD PROPERTY. SOILS LOOK TO BE NATIVE, HOWEVER, ARE MADE UP OF FILL MATERIAL FROM THE PROJECT IN 2006 TO MOVE THE RAILROAD TO CREATE THE 4TH STREET BRIDGE. THE SITE IS OVERGROWN WITH VEGETATION AS THE SITE HAS NOT BEEN USED IN OVER 10 YEARS. THE OVERALL SITE IS LOCATED ON THE CORNER OF ROUTE 66 AND 4TH STREET AND HAS DEVELOPED DRAINAGE AROUND THE PARCEL.

PROPERTY INFORMATION:

CURRENT ADDRESS:
2511 E ROUTE 66
FLAGSTAFF, AZ 86004

APN:
107-13-009

LOCATION:
SECTION 13, TOWNSHIP 21 NORTH, RANGE 7 EAST,
GILA AND SALT RIVER MERIDIAN, CITY OF
FLAGSTAFF, COCONINO COUNTY, ARIZONA

APN#:
107-13-009

PARCEL:
SIZE: 8.70 ACRES
ZONING: HIGHWAY COMMERCIAL
CITY: FLAGSTAFF, ARIZONA
LOCATION: ROUTE 66 AND 4TH STREET

TEAM MEMBERS:

CHRIS COOK
JOSH ENDERSBY
HUNTER SCHNOEBELEN

PROJECT NAME:

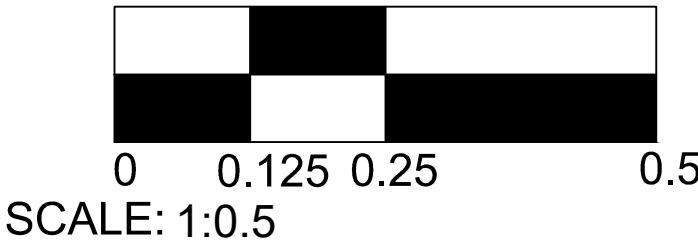
TRAX RETAINING WALL

PROJECT NUMBER:

19001

DRAWING:

COVER SHEET



DRAWN BY: TEAM

DATE: 10/20/19

REVISION: 1

SUBMITTED: 12/06/19

PAGE: 1 OF: 9

CITY PLAN APPROVAL

THE CITY APPROVES THE PLANS FOR CONSTRUCTION WITH THE HOLIDAY INN PLANS FROM SHEPARD WESNITZER INC. HOWEVER, ALL LIABILITY FALLS WITH IN THE ENGINEER AND OWNER OF THE PROPERTY IF ERRORS OCCUR IN DESIGN.

CITY ENGINEER:

BY: _____ DATE: _____

CLIENT PLAN APPROVAL

SHEPARD WESNITZER INC SIGNED TO APPROVE PLANS TO BE IMPLEMENTED INTO HOLIDAY INN CONSTRUCTION PLANS. SWI IS LIABLE FOR ANY ERRORS THAT DO NOT PERTAIN TO THIS PLAN SET.

CLIENT ENGINEER:

STEPHEN IRWIN

BY: _____ DATE: _____

RESOURCE PRESERVATION:

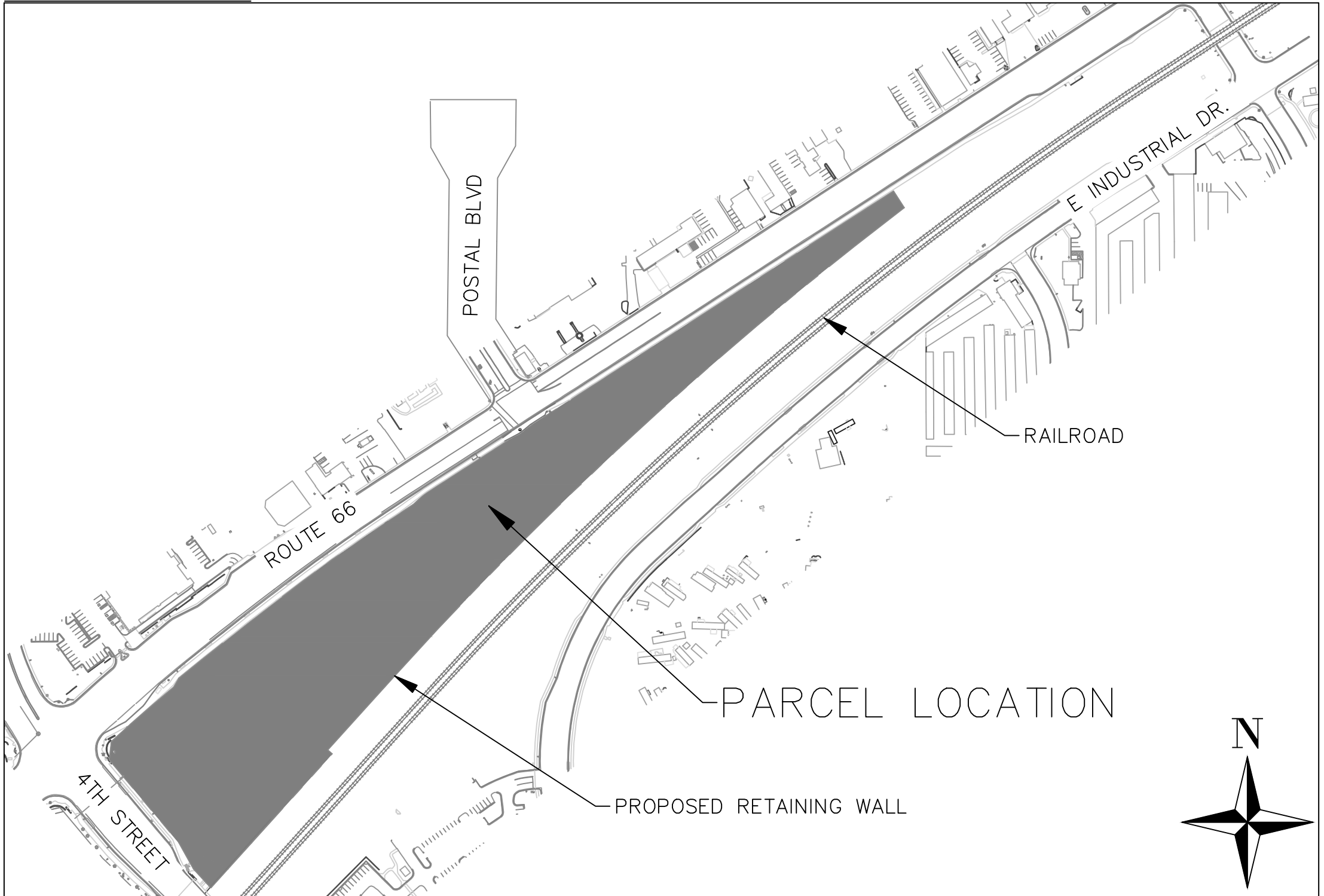
CITY REQUIRES THE DETERMINATION OF PRESERVATION OF RESOURCES, HOWEVER THE PROPOSED PROJECT HAS NO RESOURCES THAT REQUIRE PRESERVATION.

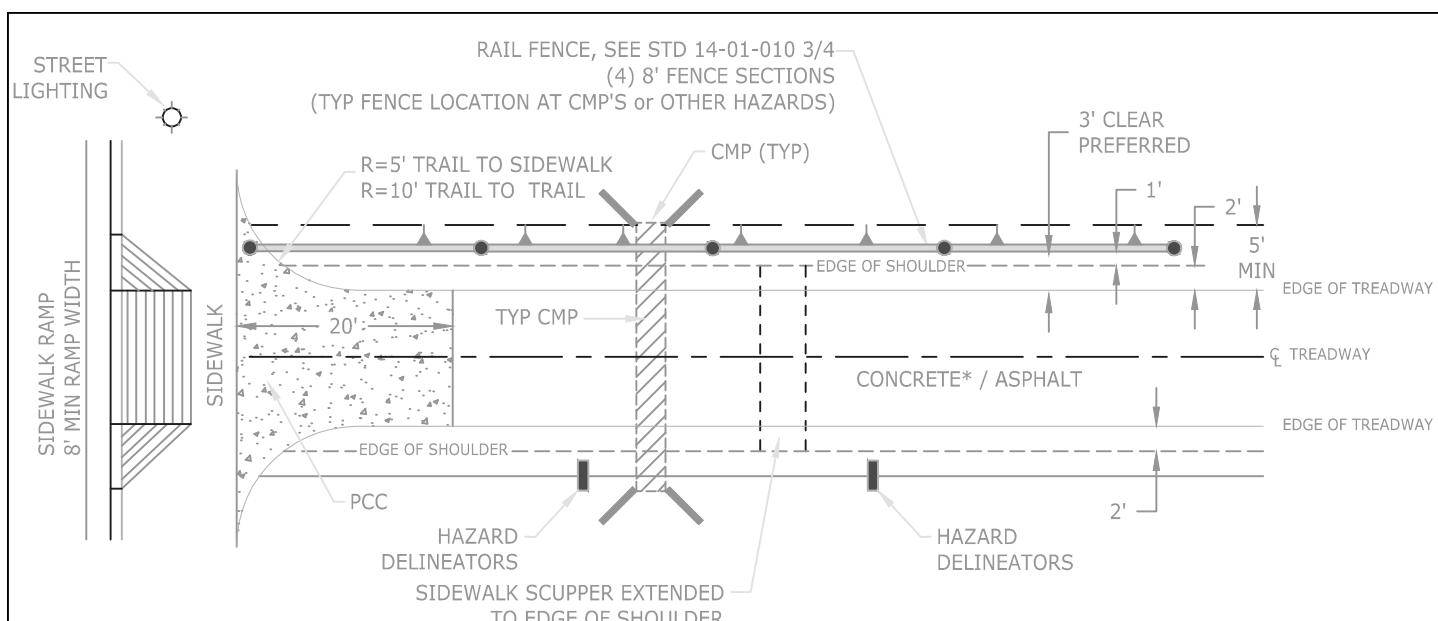
SOURCE PROJECT INFORMATION:

TOPOGRAPHIC MAP AND PROPOSED DRAINAGE PLAN WAS PROVIDED BY SHEPARD WESNITZER INC. THIS INCLUDES THE SURVEY THAT SWI COLLECTED AND ALL CITY GIS INFORMATION.

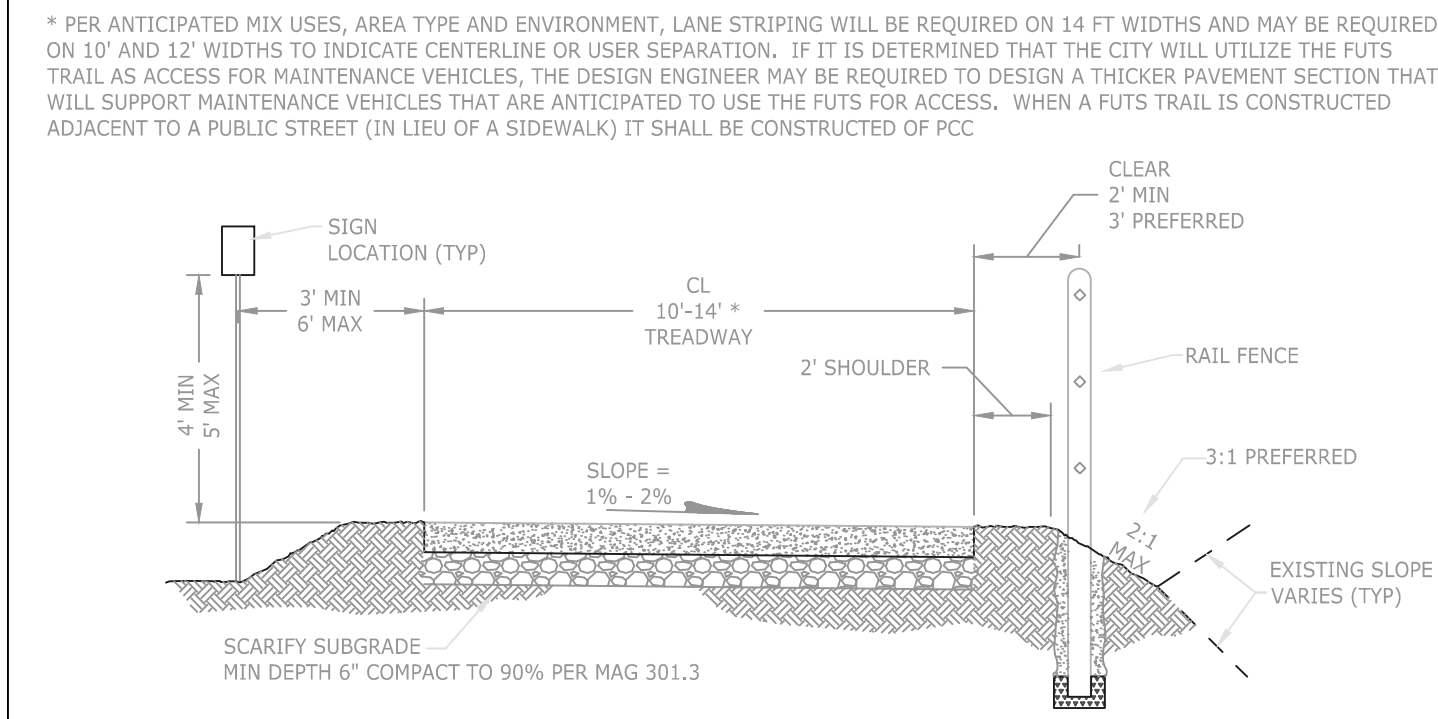
COLLECTED: SEPTEMBER 19, 2019

VICINITY MAP

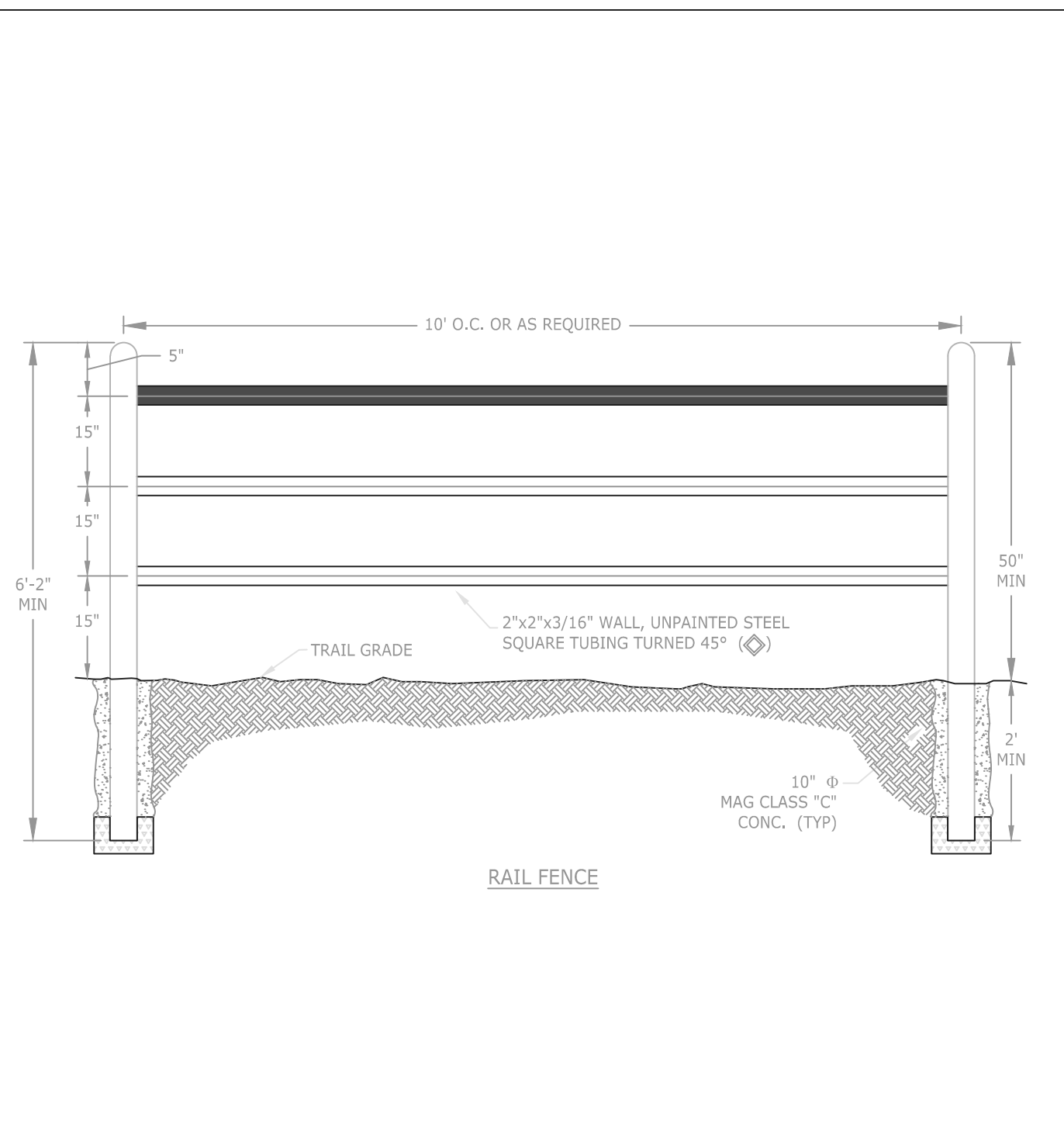




NOTES:
1. 50' MAX DISTANCE BETWEEN EXPANSION JOINTS per ADOT DETAIL C-07.01 (E JOINT)
2. 10' MAX DISTANCE BETWEEN CONTRACTION JOINT (SAWCUT TO 1 1/2" DEPTH AND FILL JOINT per ADOT DETAIL C-07.01)
* PER ANTICIPATED MIX USES, AREA TYPE AND ENVIRONMENT, LANE STRIPING WILL BE REQUIRED ON 14 FT WIDTHS AND MAY BE REQUIRED ON 10' AND 12' WIDTHS TO INDICATE CENTERLINE OR USER SEPARATION. IF IT IS DETERMINED THAT THE CITY WILL UTILIZE THE FUTS TRAIL AS ACCESS FOR MAINTENANCE VEHICLES, THE DESIGN ENGINEER MAY BE REQUIRED TO DESIGN A THICKER PAVEMENT SECTION THAT WILL SUPPORT MAINTENANCE VEHICLES THAT ARE ANTICIPATED TO USE THE FUTS FOR ACCESS. WHEN A FUTS TRAIL IS CONSTRUCTED ADJACENT TO A PUBLIC STREET (IN LIEU OF A SIDEWALK) IT SHALL BE CONSTRUCTED OF PCC



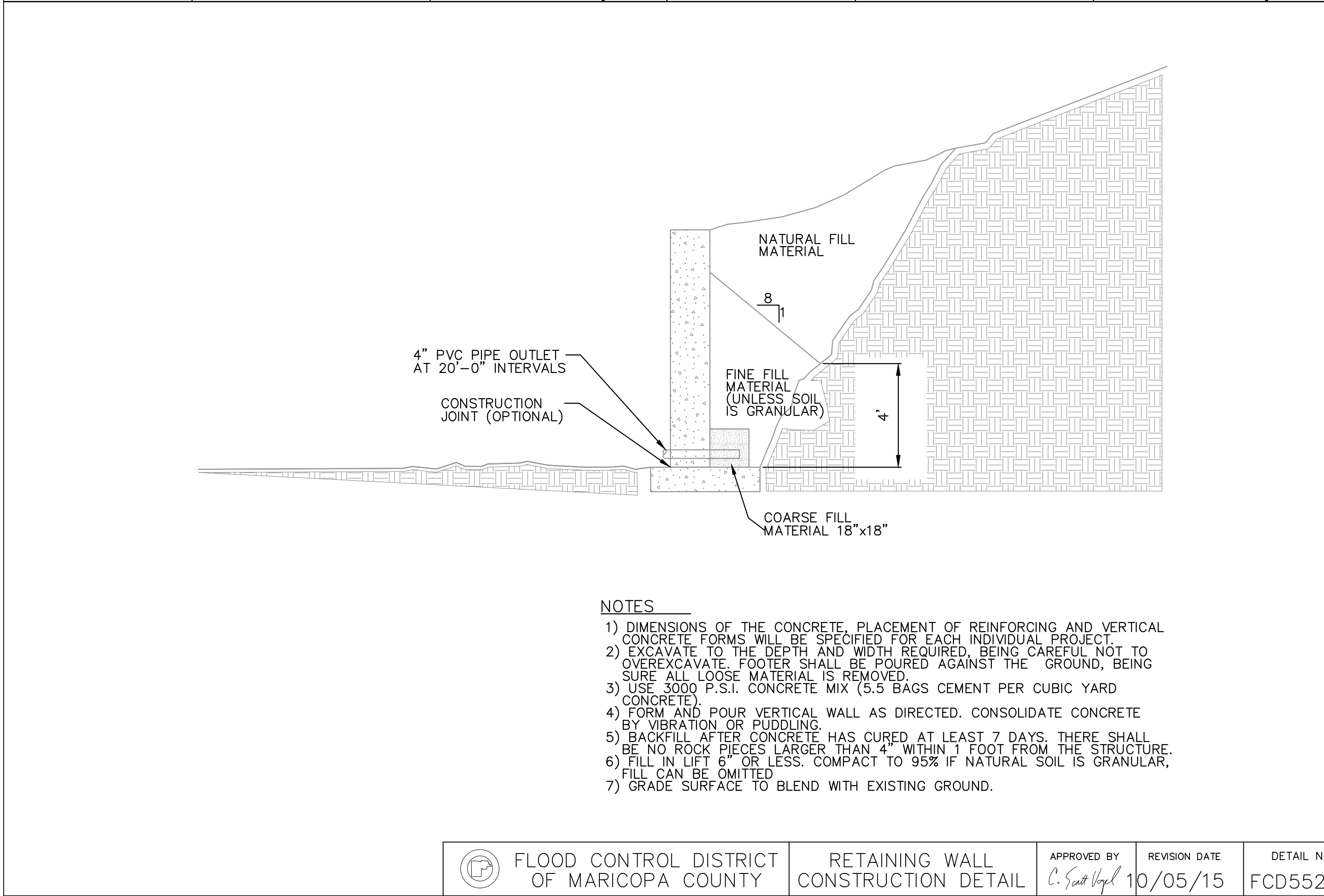
NOTES:
1. 6" CLASS "A" PCC OVER 4" ABC WITH MAG STD 201 "A" TURN DOWN AT THE END OF THE TRAIL OR 3" AC OVER 6" ABC WITH MAG STD 201 TYPE "A" TURN DOWN WHEN APPROVED BY CITY ENGINEER. VEHICLE CROSSINGS TO MEET COF DRIVEWAY STDS WHEN TRAIL IS USED FOR VEHICLE TRAFFIC, A GREATER SECTION MAY BE REQUIRED.
2. SEED ALL DISTURBED AREAS PER COF STD. 13-17-002



NOTES:
1. USE ONE OR TWO SECTIONS OF 5"x5" POSTS AND 3"x3" RAILS FOR ENTRY FEATURES.
2. USE 56.5" POSTS AND 4" RAILS IN HIGH HAZARD AREAS
3. SET POST 3" DEEP ON SLOPES GREATER THAN 2:1
4"x4"x44.5" ABOVE GRADE, 3/16" UNPAINTED STEEL SQUARE TUBING, PEAKED CAP TO DRAIN

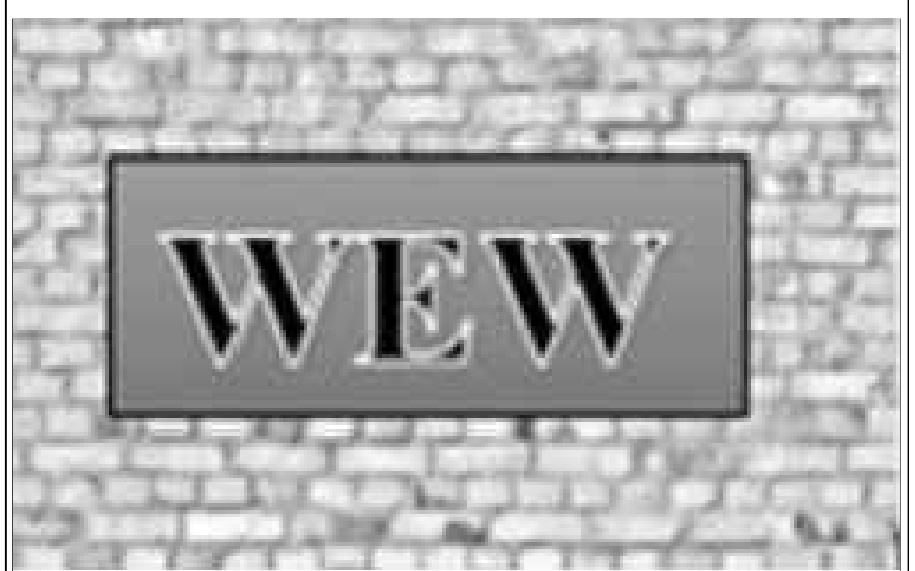
City of Flagstaff	FLAGSTAFF URBAN TRAILS SYSTEM DETAILS	ENGINEERING DETAIL	DETAIL NO. 14-01-010	REVISION DATE: 12/30/2017	1	4
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City of Flagstaff	FLAGSTAFF URBAN TRAILS SYSTEM DETAILS	ENGINEERING DETAIL	DETAIL NO. 14-01-010	REVISION DATE: 12/30/2017	3	4
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NOTES:
1) DIMENSIONS OF THE CONCRETE, PLACEMENT OF REINFORCING AND VERTICAL CONCRETE FORMS WILL BE SPECIFIED FOR EACH INDIVIDUAL PROJECT.
2) EXCAVATE TO THE DEPTH AND WIDTH REQUIRED, BEING CAREFUL NOT TO OVEREXCAVATE. FOOTER SHALL BE POURED AGAINST THE GROUND, BEING SURE ALL LOOSE MATERIAL IS REMOVED.
3) USE 3000 P.S.I. CONCRETE MIX (5.5 BAGS CEMENT PER CUBIC YARD CONCRETE).
4) FORM AND POUR VERTICAL WALL AS DIRECTED. CONSOLIDATE CONCRETE BY VIBRATION OR PUDDLING.
5) BACKFILL AFTER CONCRETE HAS CURED AT LEAST 7 DAYS. THERE SHALL BE NO ROCK PIECES LARGER THAN 4" WITHIN 1 FOOT FROM THE STRUCTURE.
6) FILL IN LIFT 6" OR LESS. COMPACT TO 95% IF NATURAL SOIL IS GRANULAR, FILL CAN BE OMITTED.
7) GRADE SURFACE TO BLEND WITH EXISTING GROUND.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY	RETAINING WALL CONSTRUCTION DETAIL	APPROVED BY <i>C. Scott Vogel</i>	REVISION DATE 10/05/15	DETAIL NO. FCD552-1
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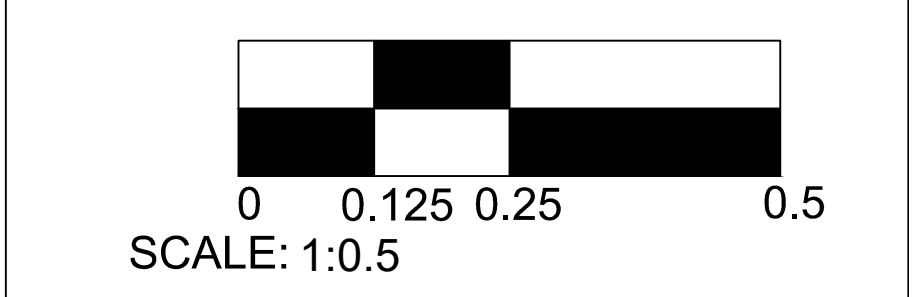
WALL E. WALLERSON & ASSOCIATES INC.

TEAM MEMBERS:
CHRIS COOK
JOSH ENDERSBY
HUNTER SCHNOEBELN

PROJECT NAME:
TRAX RETAINING WALL

PROJECT NUMBER:
19001

DRAWING:
DETAIL SHEET



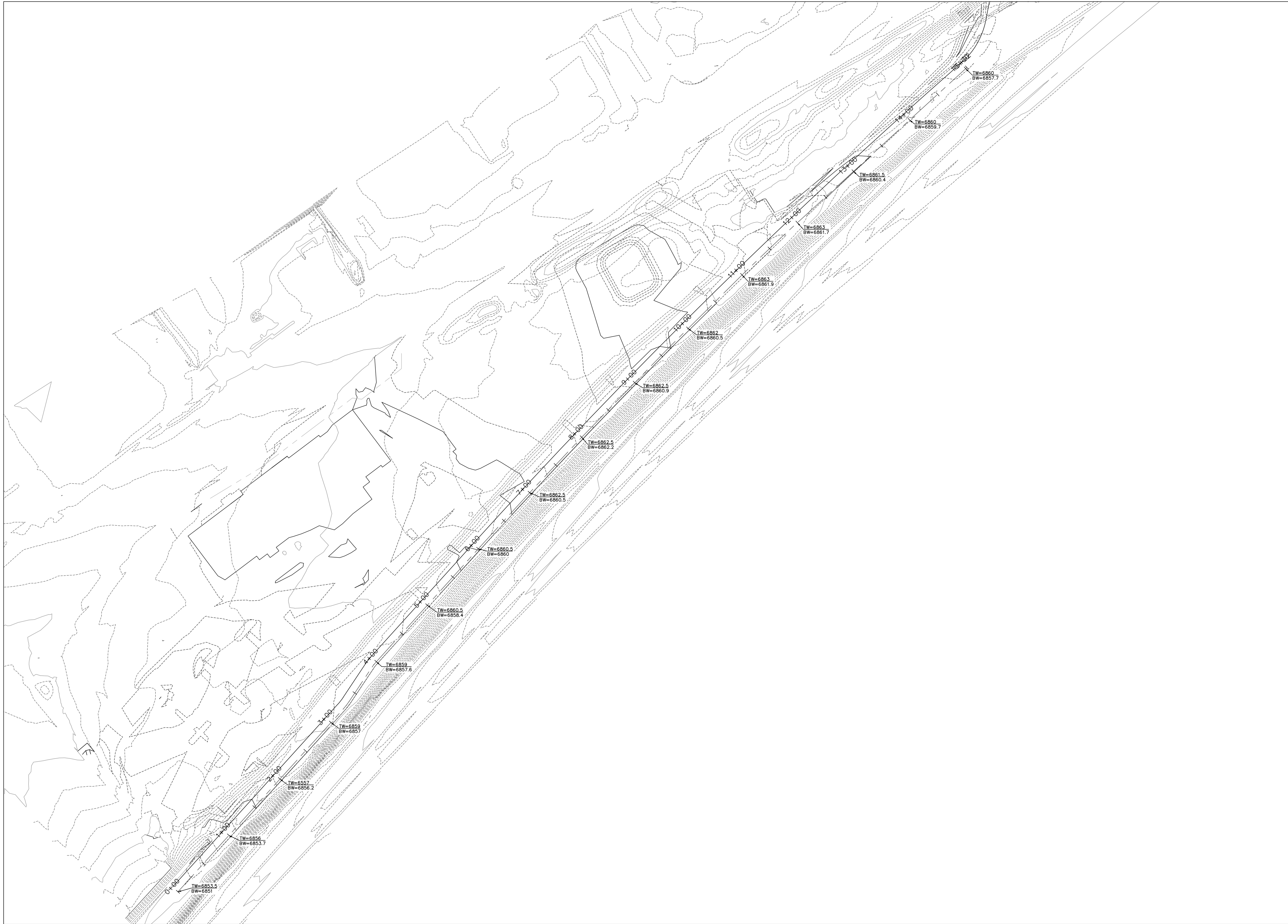
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SUBMITTED: 12/06/19

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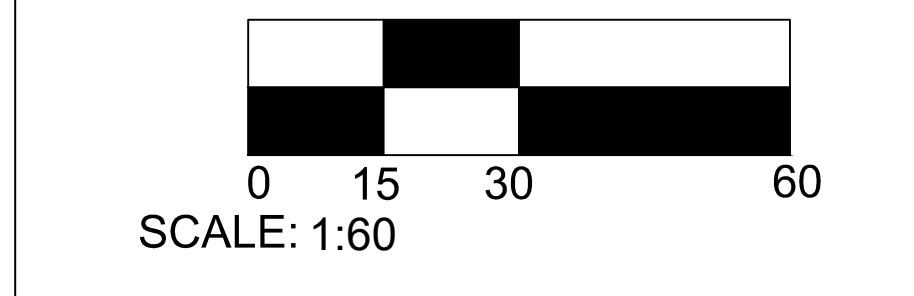
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PROJECT NAME:
TRAX RETAINING WALL
WALL ALIGNMENT

PROJECT NUMBER:
19001

DRAWING:
ALIGNMENT



DRAWN BY: TEAM

DATE: 10/20/19

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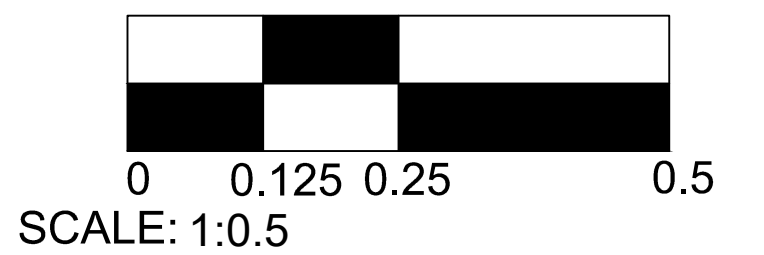
TRAX RETAINING WALL
WALL OPTION 1

PROJECT NUMBER:

19001

DRAWING:

CROSS-SECTION



DRAWN BY: TEAM

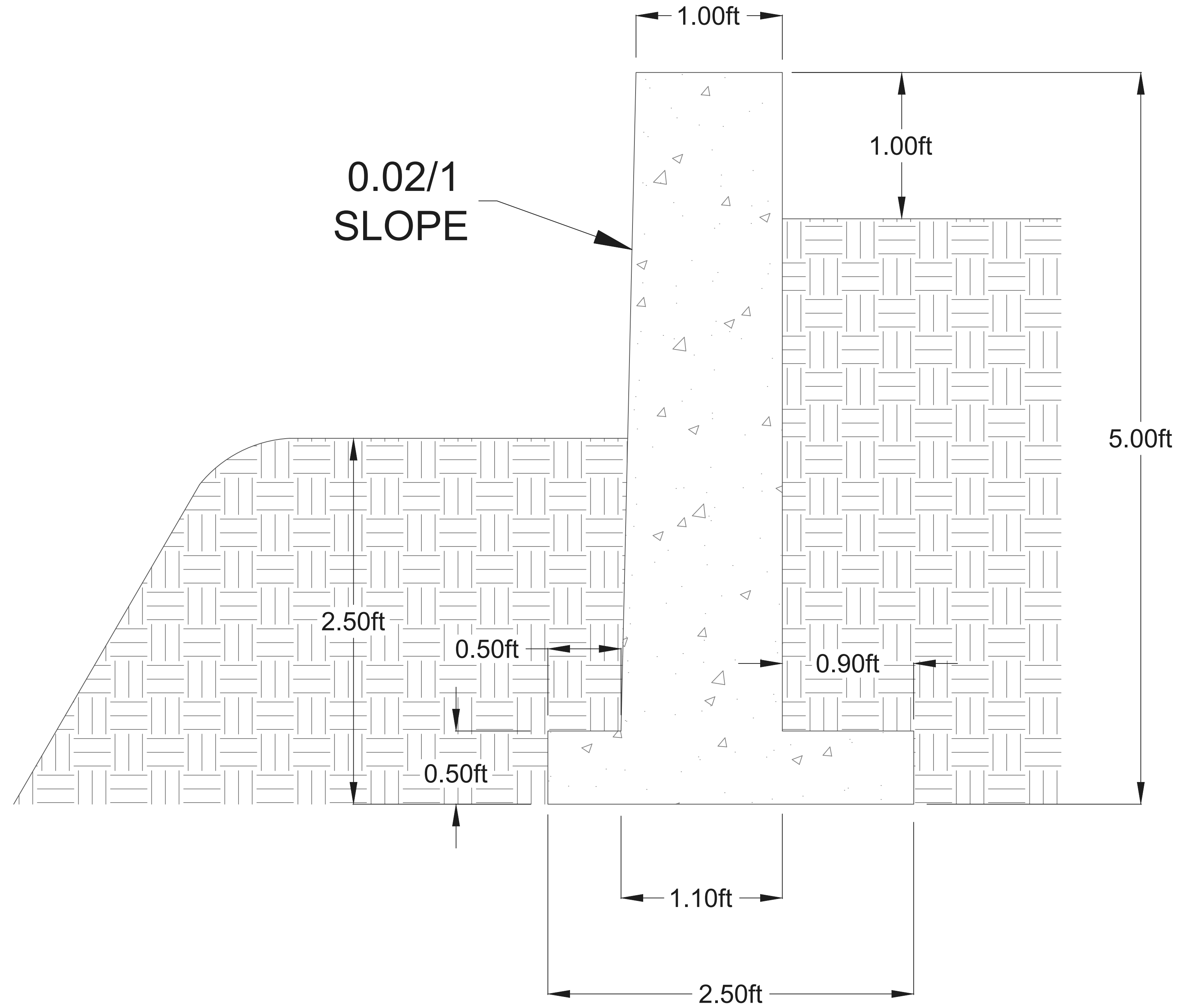
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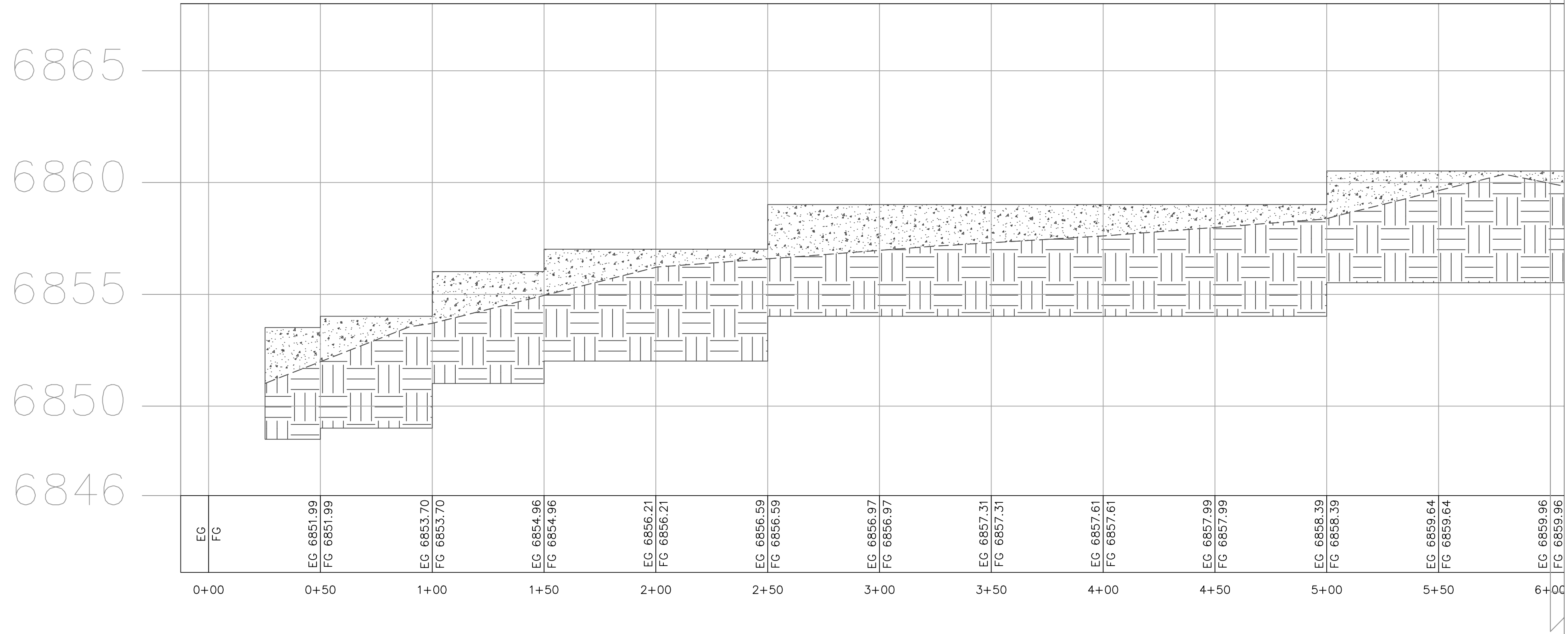
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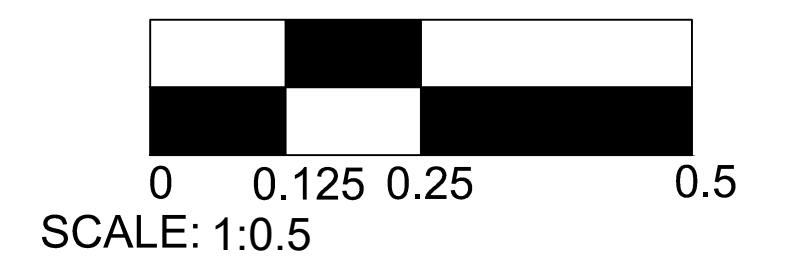
TRAX RETAINING WALL
WALL OPTION 1

PROJECT NUMBER:

19001

DRAWING:

PROFILE



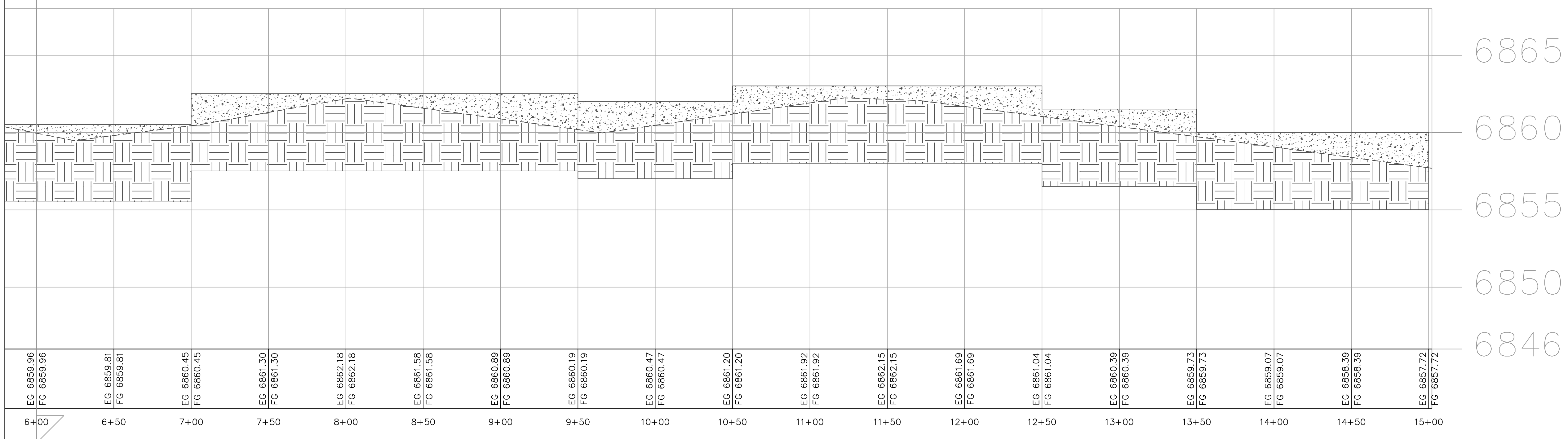
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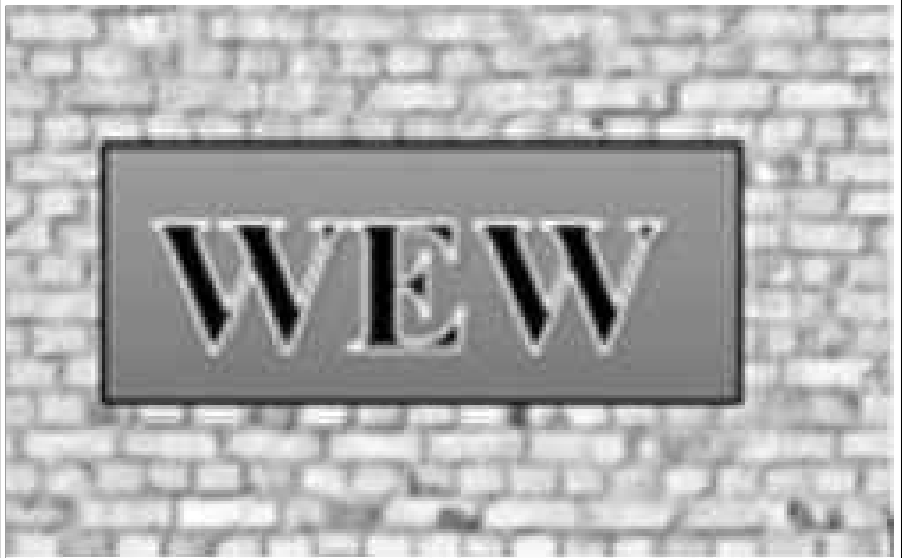
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SUBMITTED: 12/06/19

Retaining Wall PROFILE





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TRAX RETAINING WALL
WALL OPTION 2

PROJECT NUMBER:

19001

DRAWING:

CROSS-SECTION



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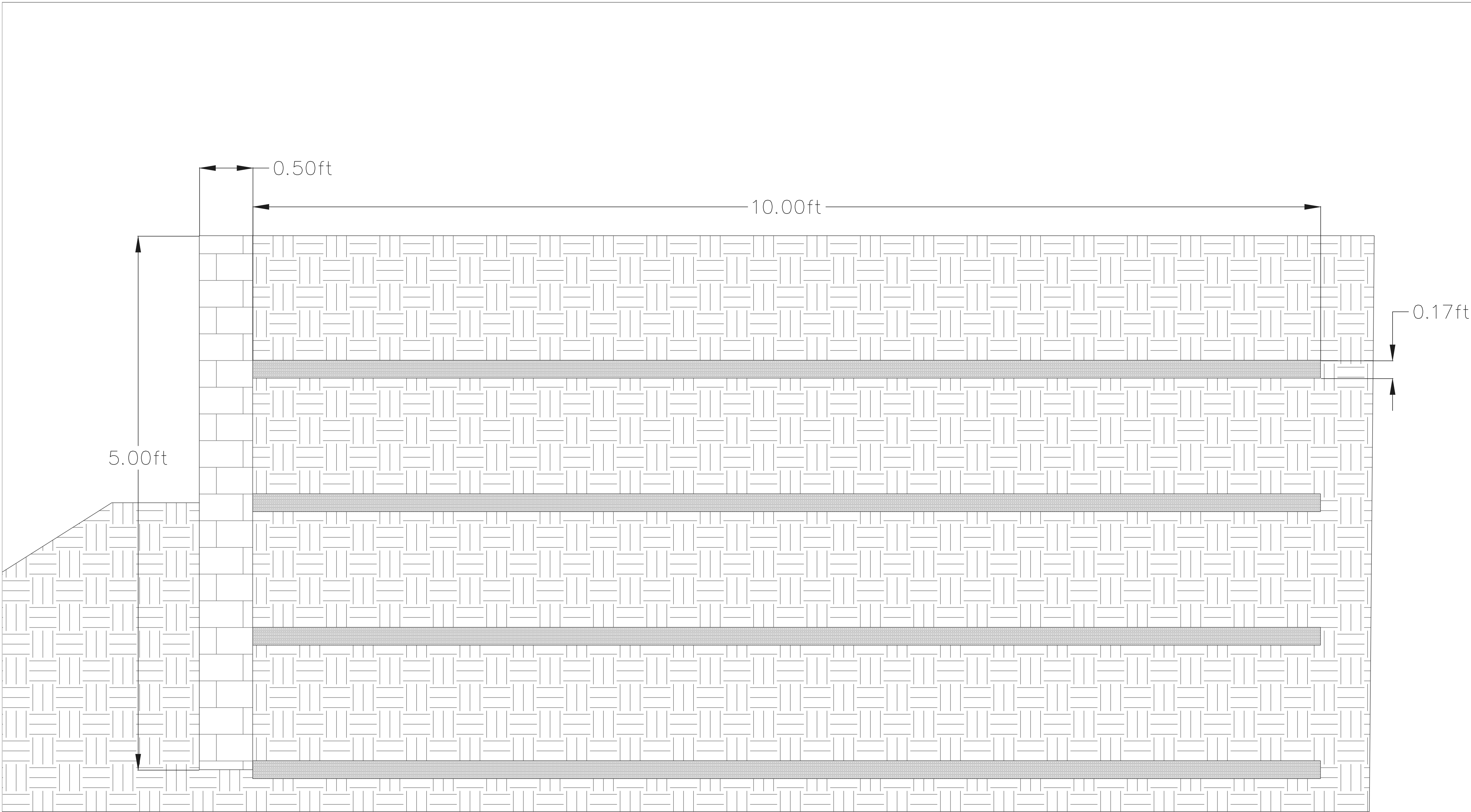
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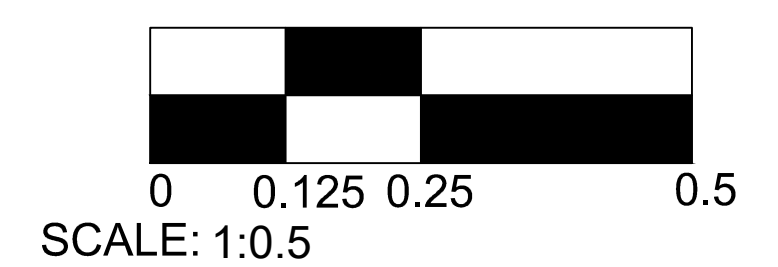
TRAX RETAINING WALL WALL OPTION 2

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PROFILE

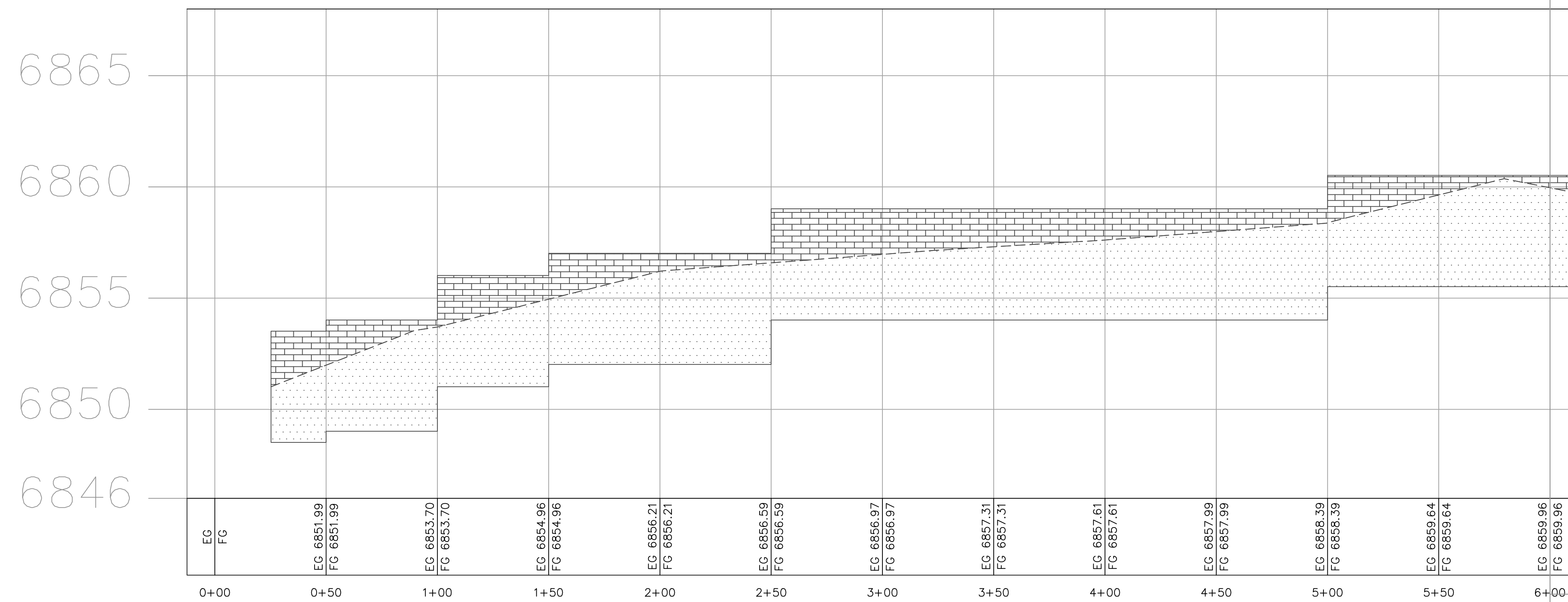


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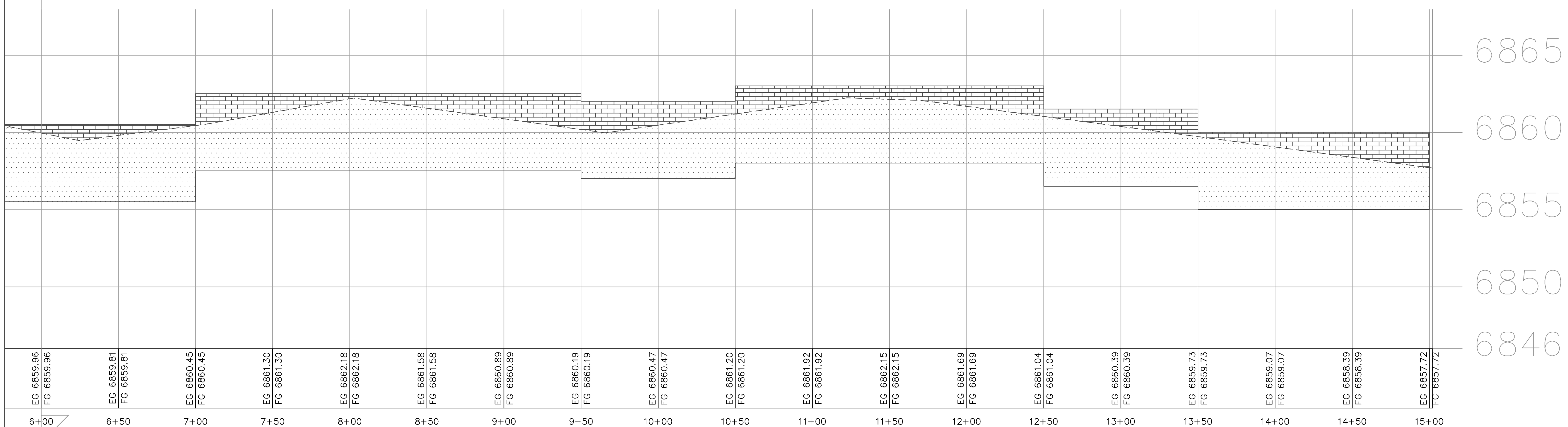
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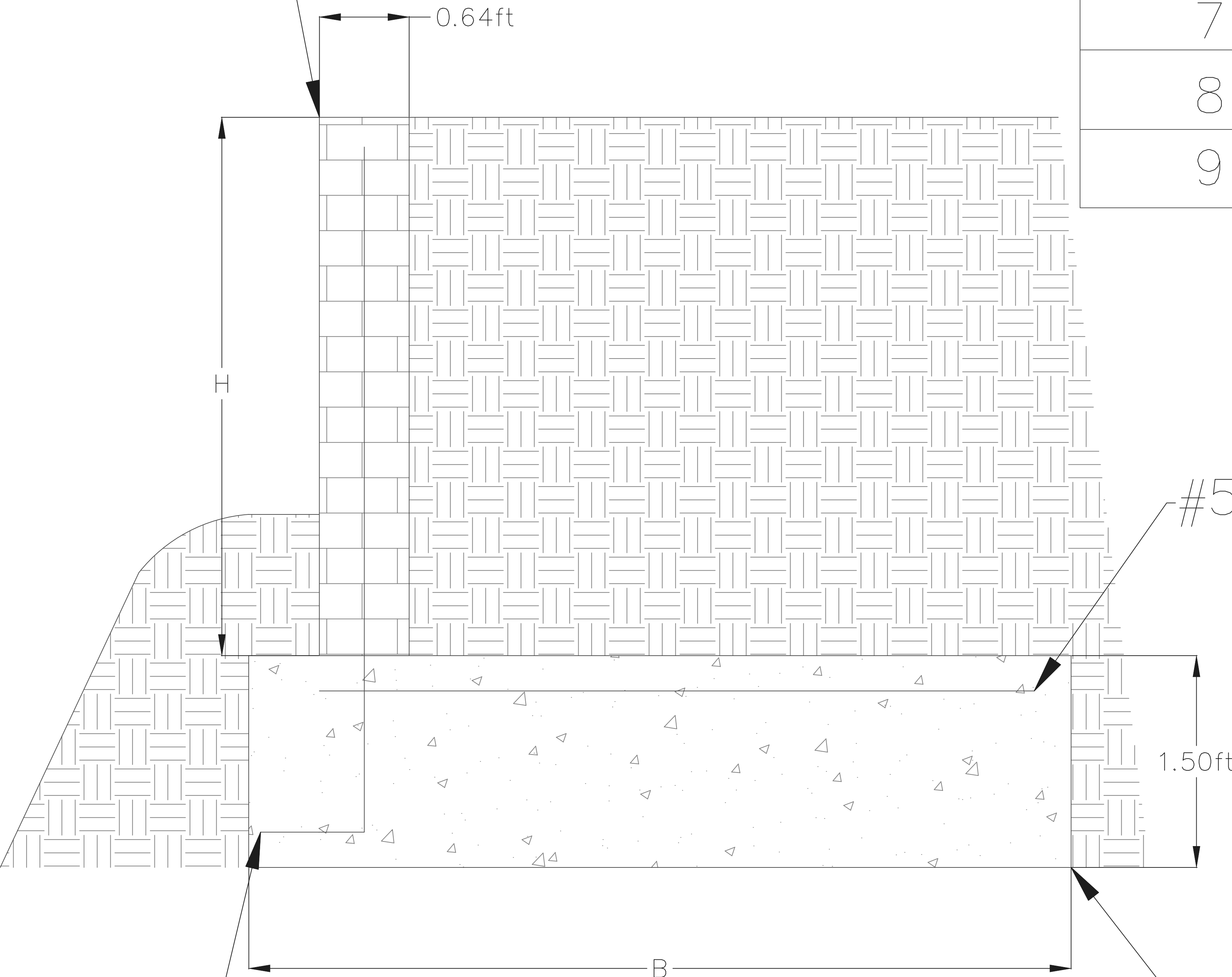
SUBMITTED: 12/06/19



Retaining Wall PROFILE



CMU BLOCKS



BLOCKS	H (FT)	B (FT)
5	3.18	15.0
6	3.81	12.0
7	4.45	11.0
8	5.08	10.0
9	5.72	9.00

#5 REBAR

#5 REBAR

CONCRETE FOOTING



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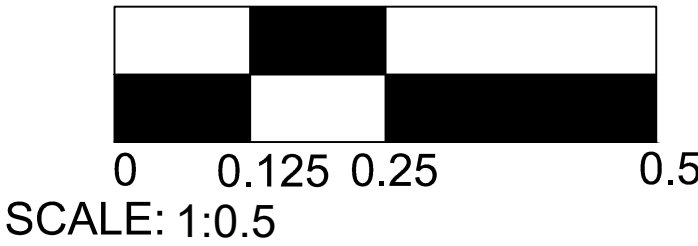
TRAX RETAINING WALL
WALL OPTION 3

PROJECT NUMBER:

19001

DRAWING:

CROSS-SECTION



DRAWN BY: TEAM

DATE: 10/20/19

REVISION: 1

SUBMITTED: 12/06/19



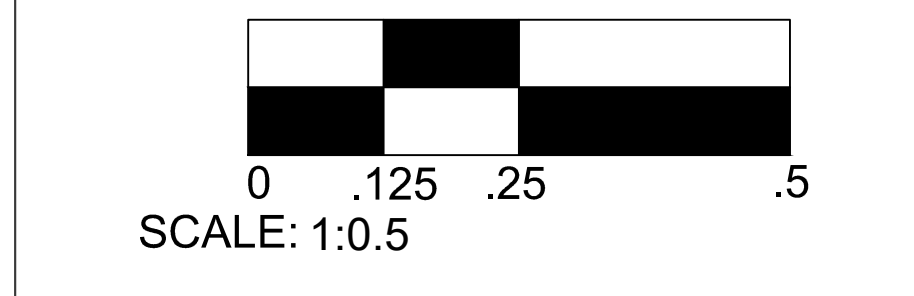
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TRAX RETAINING WALL
WALL OPTION 3

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19001

DRAWING:
PROFILE

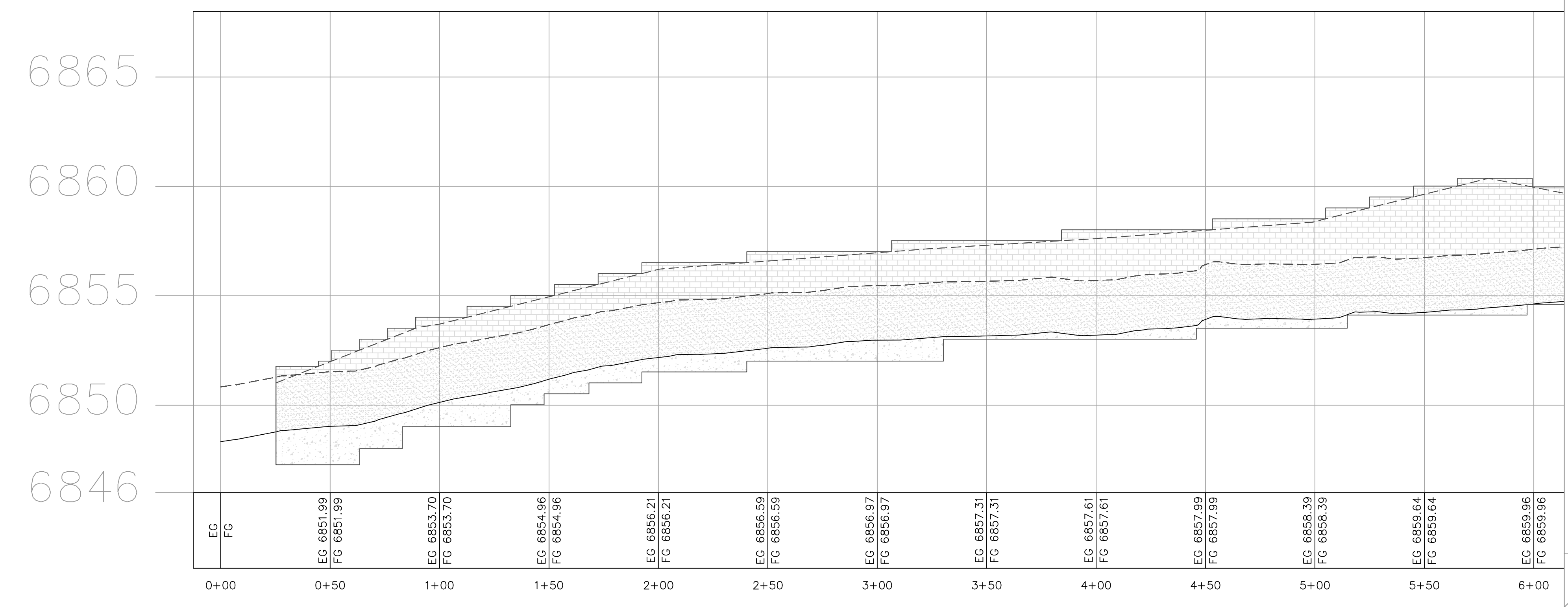


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