

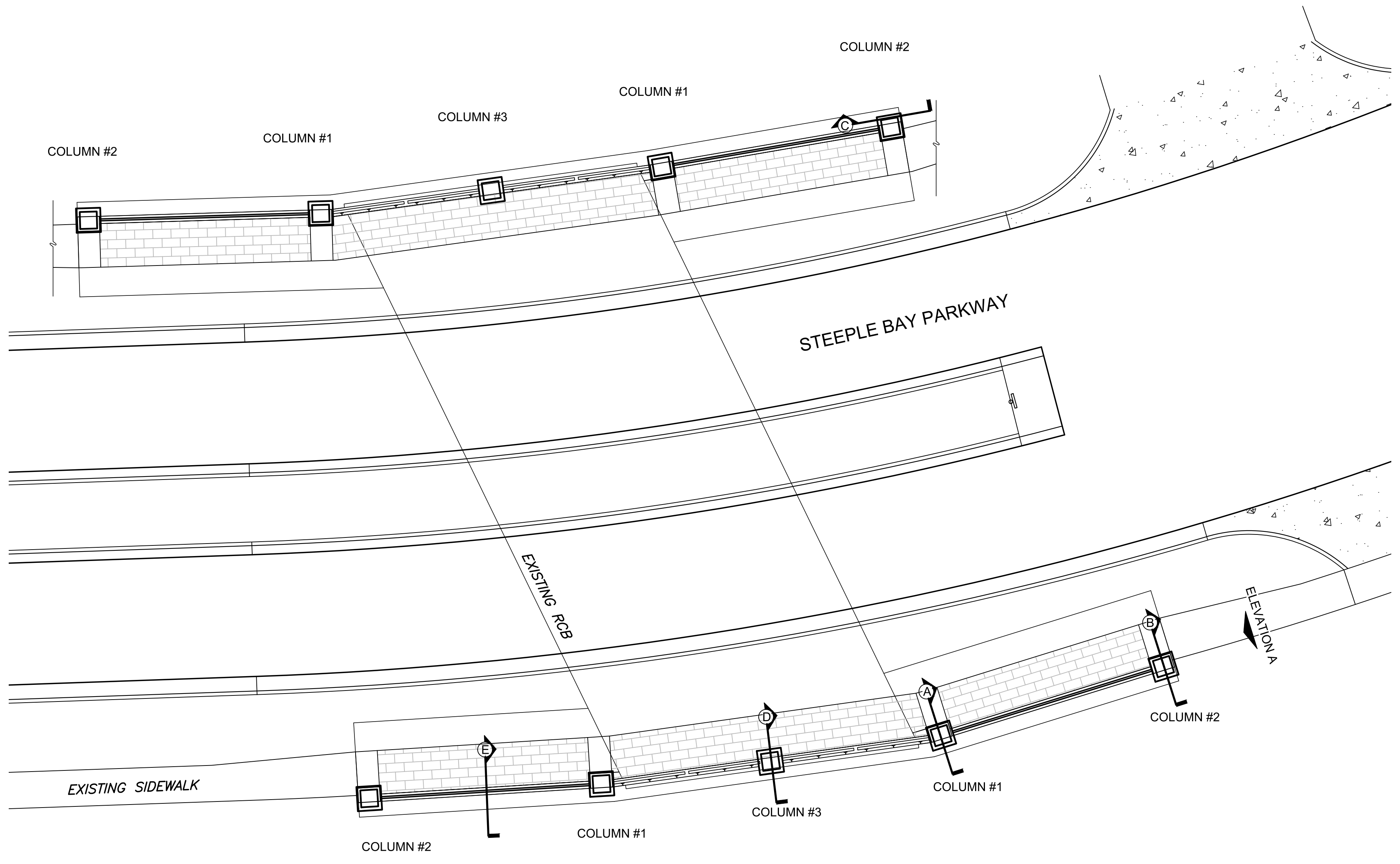
PLOTTED: Wednesday, August 28, 2019 @ 11:41 AM

STRUCTURAL GENERAL NOTES:

1. DESIGN AND CONSTRUCTION SHALL CONFORM TO "INTERNATIONAL BUILDING CODE, 2012 EDITION", AS AMENDED AND ADOPTED BY WICHITA SEDGWICK COUNTY, KANSAS METRO AREA BUILDING AND CONSTRUCTION DEPARTMENT.
2. DESIGN CRITERIA AND LOADS: 115 MPH (3 SECOND GUST)(90 MPH NOMINAL DESIGN WIND SPEED), EXPOSURE B, RISK CATEGORY II.
3. THE TOTAL LOAD SOIL BEARING PRESSURE DOES NOT EXCEED 1500 PSF FOR ALL FOOTINGS. FOOTINGS SHALL BEAR INTO UNDISTURBED NON-ORGANIC SOILS OR AN ENGINEERED CONTROLLED FILL. ALL FOUNDATIONS SHALL EXTEND AT LEAST 3'-0" BELOW ADJACENT GRADE. IF ACTUAL SITE CONDITIONS DO NOT SATISFY THESE REQUIREMENTS, COORDINATE ADJUSTMENTS WITH LANDSCAPE ARCHITECT.
4. FOOTINGS MAY BE POURED TO NEAT LINES OF EXCAVATIONS PROVIDING VERTICAL LINES OF EXCAVATIONS CAN BE MAINTAINED DURING CONCRETE PLACEMENT.
5. NO ALUMINUM SHALL BE EMBEDDED INTO ANY CONCRETE.
6. ALL STRUCTURAL REGULAR WEIGHT CAST-IN-PLACE CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS (TYPICAL UNLESS NOTED). ALL CONCRETE SHALL BE IN CONFORMANCE WITH THE LATEST A.C.I. 301 STANDARDS PUBLICATION.
7. ALL REINFORCING BARS SHALL MEET ASTM A615 GRADE 60 UNLESS NOTED.
8. CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE 3" CLEAR IN ALL FOOTINGS. (TYPICAL UNLESS NOTED OTHERWISE).
9. REINFORCEMENT SHALL BE CONTINUOUS AND LAPPED 40 BAR DIAMETERS (2'-6" MIN.) EXCEPT AS NOTED, AND PROVIDE CORNER BARS OF SAME SIZE AND SPACING.
10. ALL ANCHORS WHERE NOTED SHALL BE MANUFACTURED BY HILTI, INC. & INSTALLED PER HILTI SPECIFICATIONS. HILTI HY200 ANCHORS SHALL USE THE 'SAFE SET' INSTALLATION METHOD. SUBSTITUTIONS SHALL BE SUBMITTED WITH APPROPRIATE ICC-ES EVALUATION REPORTS FOR REVIEW & APPROVAL.
11. HOLLOW CONCRETE MASONRY UNITS SHALL MEET ASTM C90, GRADE N SPECIFICATIONS ($F_m=2000$) UNLESS NOTED. MORTAR TYPE S. REFER TO REINFORCED CONCRETE MASONRY NOTES.
12. PROVIDE STANDARD LADDER TYPE HORIZONTAL MASONRY REINFORCEMENT AT EVERY OTHER COURSE AT ALL MASONRY WALLS.
13. STRUCTURAL STEEL ANGLES SHALL MEET ASTM A36 ($F_y=36$ ksi) STRUCTURAL TUBING (HSS) - ASTM A500 GRADE B ($F_y=46$ ksi min.). TYPICAL UNLESS NOTED.
14. WELDING SHALL CONFORM TO THE CURRENT A.W.S. "STRUCTURAL WELDING CODE - STEEL" SPECIFICATIONS AND BE COMPLETED BY AN A.W.S. CERTIFIED WELDER.
15. IN THE EVENT WATER SEEPS INTO THE FOOTING PIT IT SHALL BE DEWATERED PRIOR TO CONCRETE PLACEMENT.

REINFORCED CONCRETE MASONRY NOTES:

1. ALL CONCRETE HOLLOW MASONRY (CMU) SHALL BE MODULAR TWO HOLE (NOMINAL 8" HIGH x 16" LONG TYPICALLY) UNITS, NORMAL-WEIGHT UNLESS NOTED, PLACED IN RUNNING BOND PATTERN.
2. USE LOW-LIFT GROUTING PROCEDURES AND PROVIDE GROUT CONFORMING TO ASTM C476 WITH MAXIMUM AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH OF 2800 PSI.
3. VERTICAL REINFORCEMENT SHALL BE LAPPED 32" FOR #5 BARS.
4. PROVIDE DOWELS FROM CONCRETE THAT ARE THE SAME SIZE AND SPACING AS MASONRY WALL VERTICALS.
5. HORIZONTAL REINFORCEMENT IN GROUTED CORE FILL BOND SEAMS SHALL BE CONTINUOUS AND LAPPED 40 BAR DIAMETERS (2'-0" MINIMUM). PROVIDE CORNER BARS OF SAME SIZE.
6. ALL REINFORCING SHALL BE PROPERLY POSITIONED WITH CENTERING AND CAGING DEVICES WITH A MINIMUM GROUT COVERAGE OF 3/4".
7. EXCAVATION SHALL BE SUBSIDIARY TO PROJECT.



1 PLAN
SCALE: 1" = 10'



PAVING & INCIDENTAL DRAINAGE FOR
STEEPLE BAY ADDITION
 WICHITA, KANSAS

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HEADWALL PLAN

PROJECT NO.	472-85452
DATE	AUGUST 2019
SCALE	1" = 10'
DESIGNED	DML
DRAWN	DML
CHECKED	RR

NO.	REVISION	DATE

SHEET NO.
3 OF 12

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