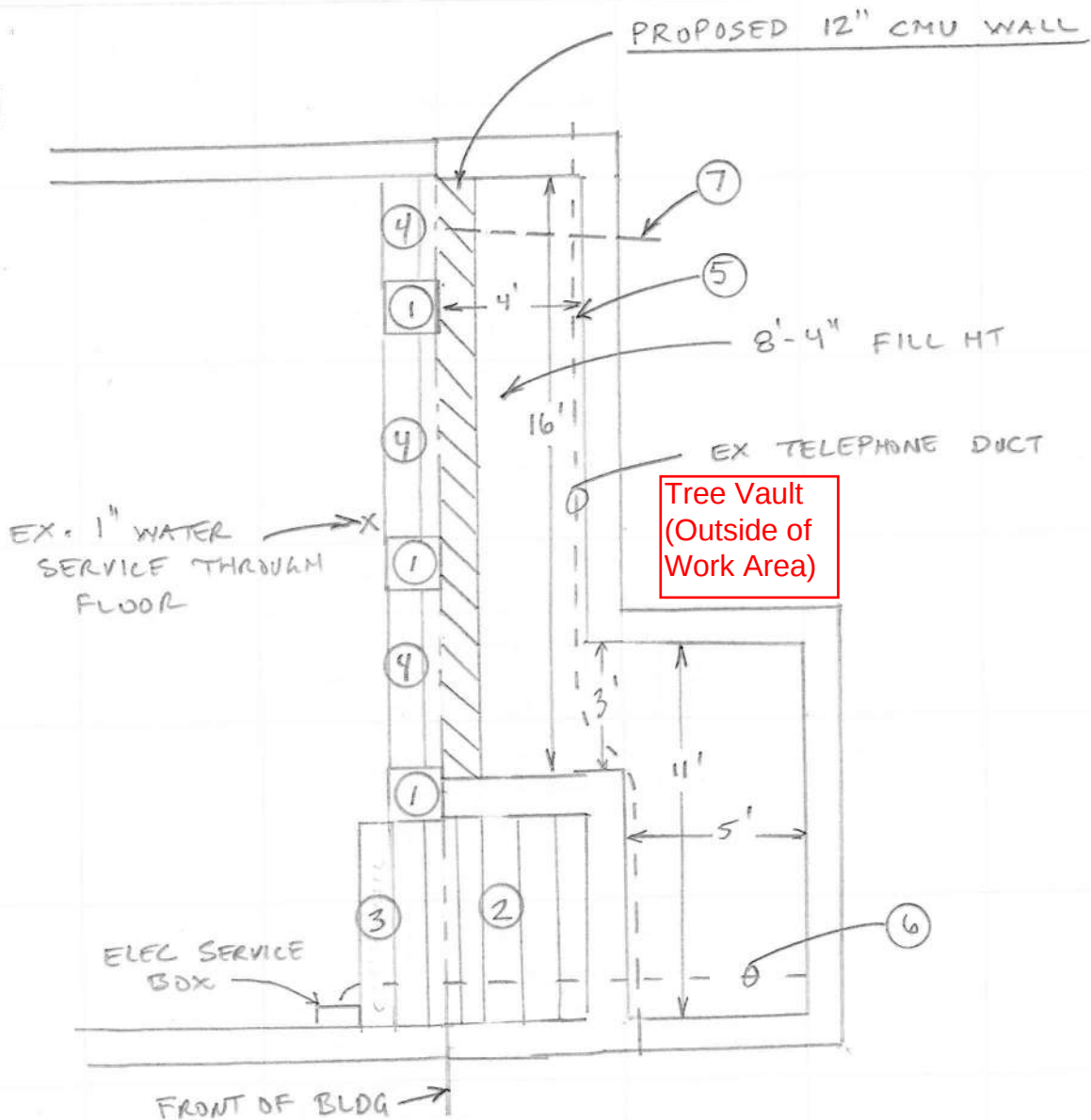


Project CITY OF AURORA
VAULT FILL
Calc's for 26 N BROADWAY



Sheet No. 1 of 2
Job No. 210768
By S/S Date 6/7/21
Checked _____ Date _____



- ① 18" SQ LIMESTONE COLUMN
- ② CONCRETE STAIRS (5'-5" FILL HT. @ FRONT OF BUILDING)
- ③ CMU WALL 3' ± TALL
- ④ LIMESTONE WALL 16" TALL
- ⑤ EX. TELEPHONE SERVICE BOX
- ⑥ 2- 3" ELEC CONDUITS
- ⑦ EX SEWER SERVICE

Project CITY OF AURORA

VAULT FILL

Calc's for 26 N BROADWAY

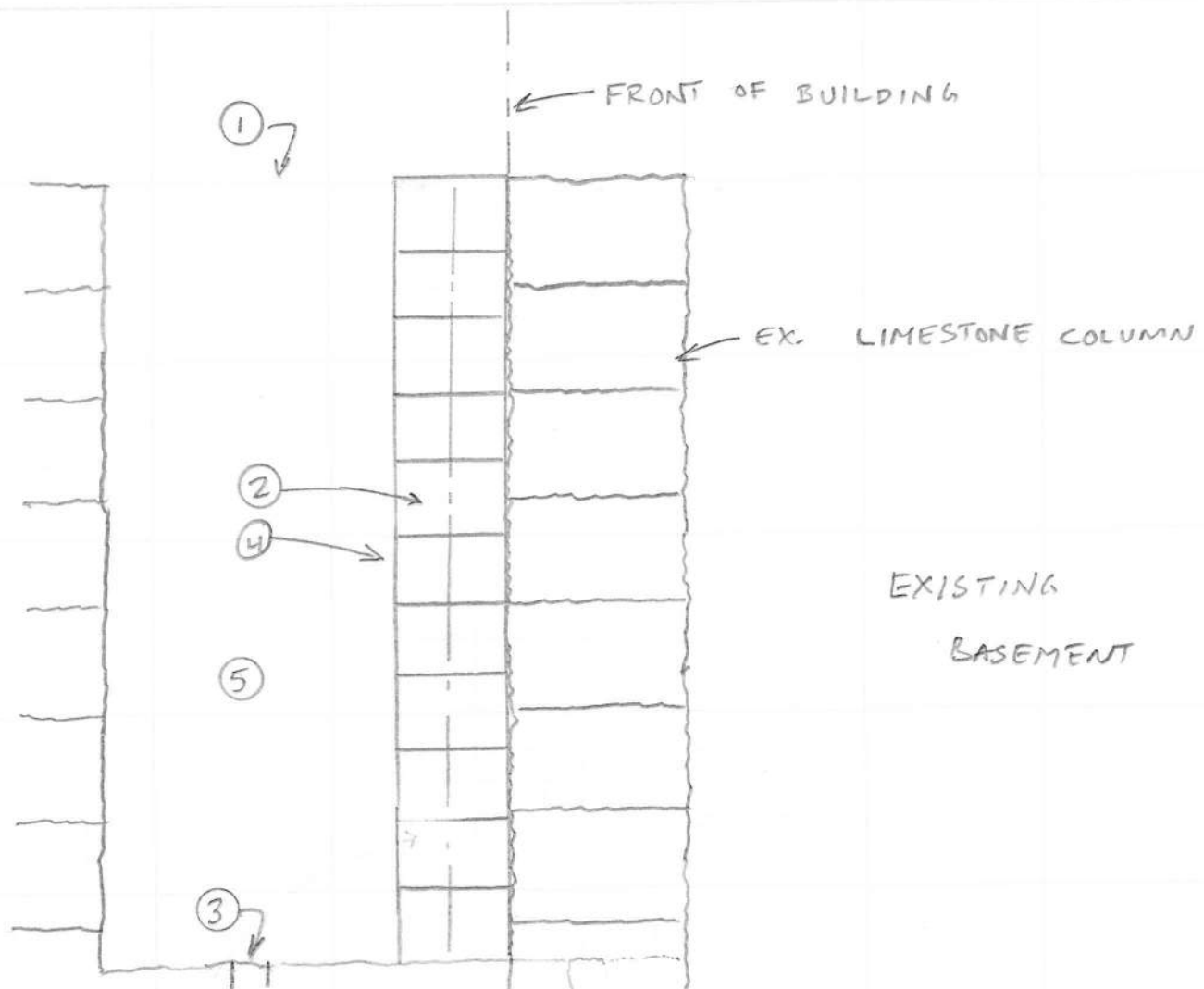


Sheet No. 2 of 2

Job No. 210768

By sls Date 6/7/21

Checked _____ Date _____



① REMOVE EX STRUCT-SLAB

② 12" CMU WALL w/ #5 @ 8"
GROUT ALL CELLS SOLID

HORIZONTAL LADDER
REINFORCEMENT AT 16" CTS.

③ PROVIDE MIN OF 3-6"
CORES IN FLOOR FOR DRAINAGE

④ PROVIDE MEMBRANE AND/OR
WATER PROOFING MEMBRANE IN
CONFORMANCE WITH CITY SPECIFICATION

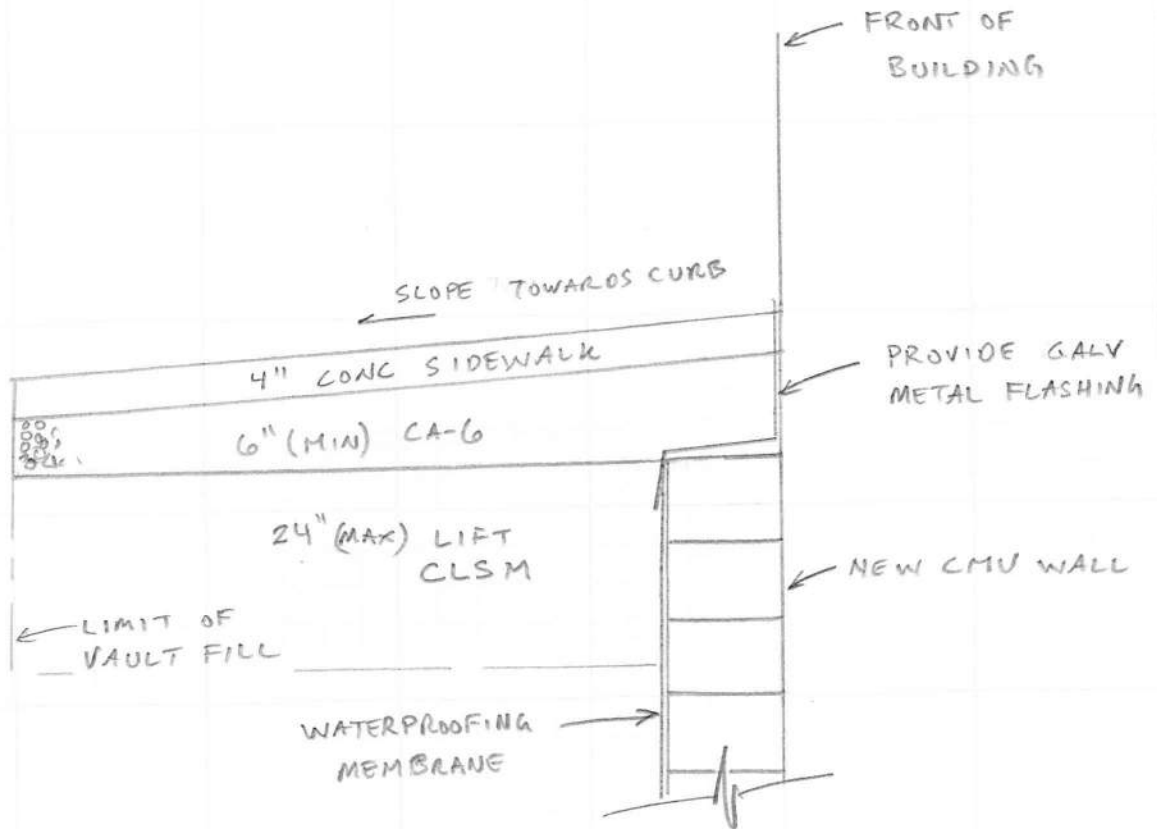
⑤ FILL VOID W/ CLSM. MAX LIFT = 24", CAP W/ 6" CA-6

SECTION

Project CITY OF AURORA
VAULT FILL
Calc's for SIDEWALK DETAIL



Sheet No. 1 of 1
Job No. 210768
By S/S Date 6/9/21
Checked _____ Date _____



NOTE: MATCH GRADES OF EXISTING SIDEWALK
AT ALL EDGES





Project CITY OF AURORA

VAULT FILL

Calc's for 84 S LaSalle



HRGreen

Sheet No. 1 of 3

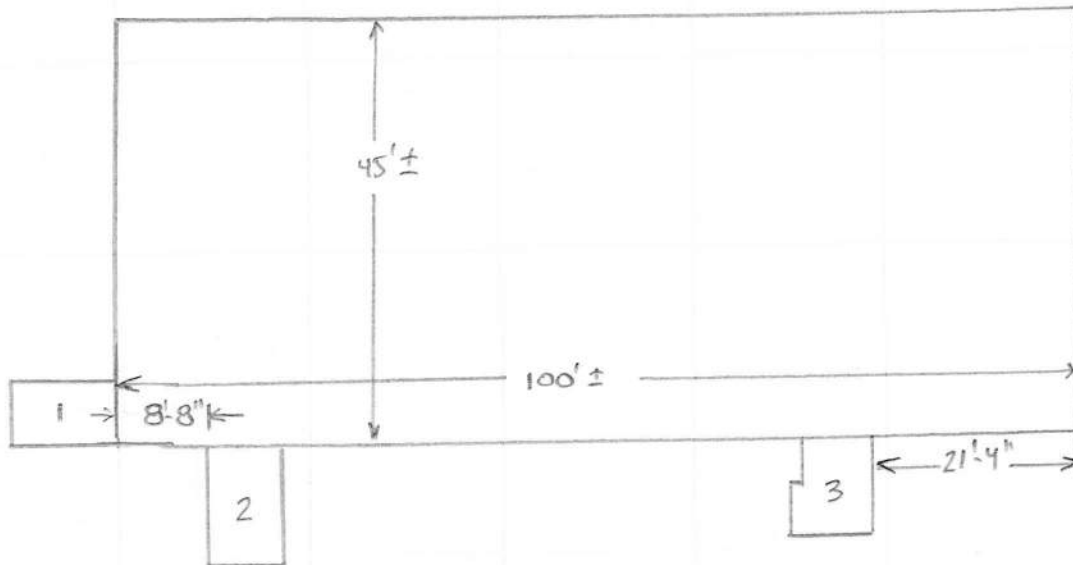
Job No. 210768

By SIS Date 6/7/21

Checked _____ Date _____

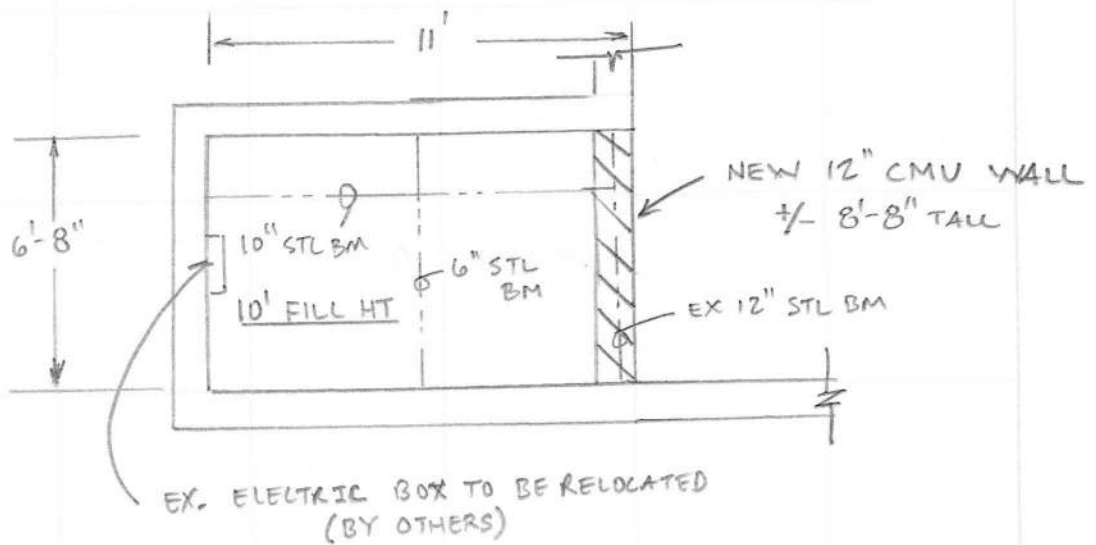


S. LaSalle St.



E. Benton St.

VAULT LOCATIONS



VAULT 1 DETAILS

Project CITY OF AURORA

VAULT FILL

Calc's for 84 S. LaSalle

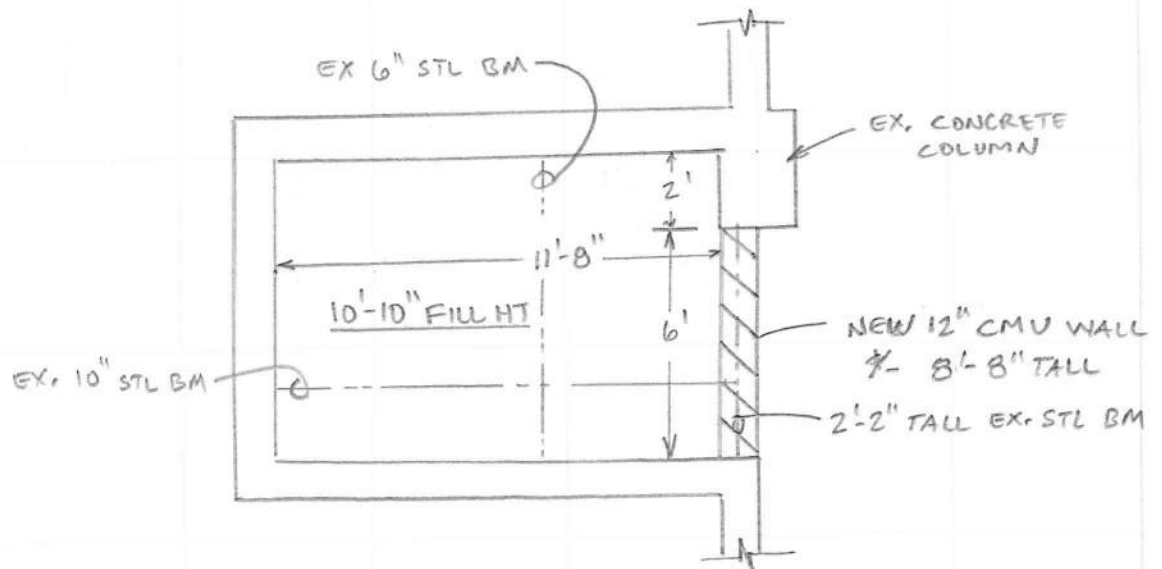


Sheet No. 2 of 3

Job No. 210768

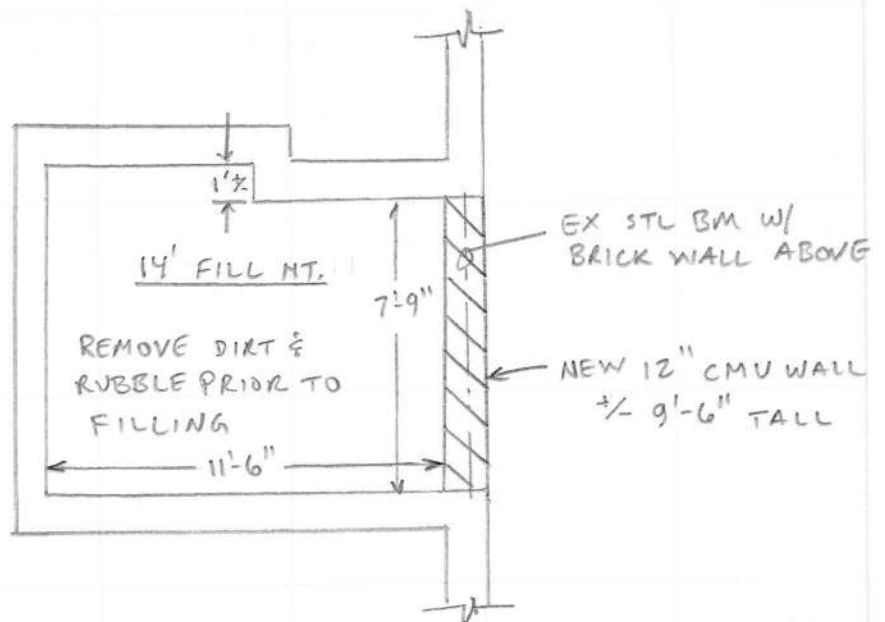
By s/s Date 6/7/21

Checked _____ Date _____



VAULT 2 DETAILS

NOTE: EX GAS & WTR SERVICES TO BE
RELOCATED BY OTHERS.



Project CITY OF AURORA

VAULT FILL

Calc's for 84 S. LaSalle



Sheet No. 3 of 3

Job No. 210768

By S/S Date 6/7/21

Checked _____ Date _____

REMOVE EX STRUCT. SLAB
SIDEWALK ↓

← FRONT OF BUILDING

← FILL AREA BETWEEN FLANGES
WITH MASONRY.

← 12" CMU WALL w/ #5 @ 8",
GROUT ALL CELLS FULL
HORIZONTAL LADDER REINFORCEMENT
@ 16" CTS.

EX. BASEMENT →

← EX VAULT

MEMBRANE AND/OR
WATERPROOFING IN
CONFORMANCE W/ CITY
SPECIFICATION →

PROVIDE #4 DOWELS @ 16"
INTO EX. WALLS. 6" MIN.
EMBEDMENT INTO EX WALL,
12" INTO NEW CMU WALL.

← #5 DOWELS @ 16"
(6" MIN EMBEDMENT INTO EX FLOOR)

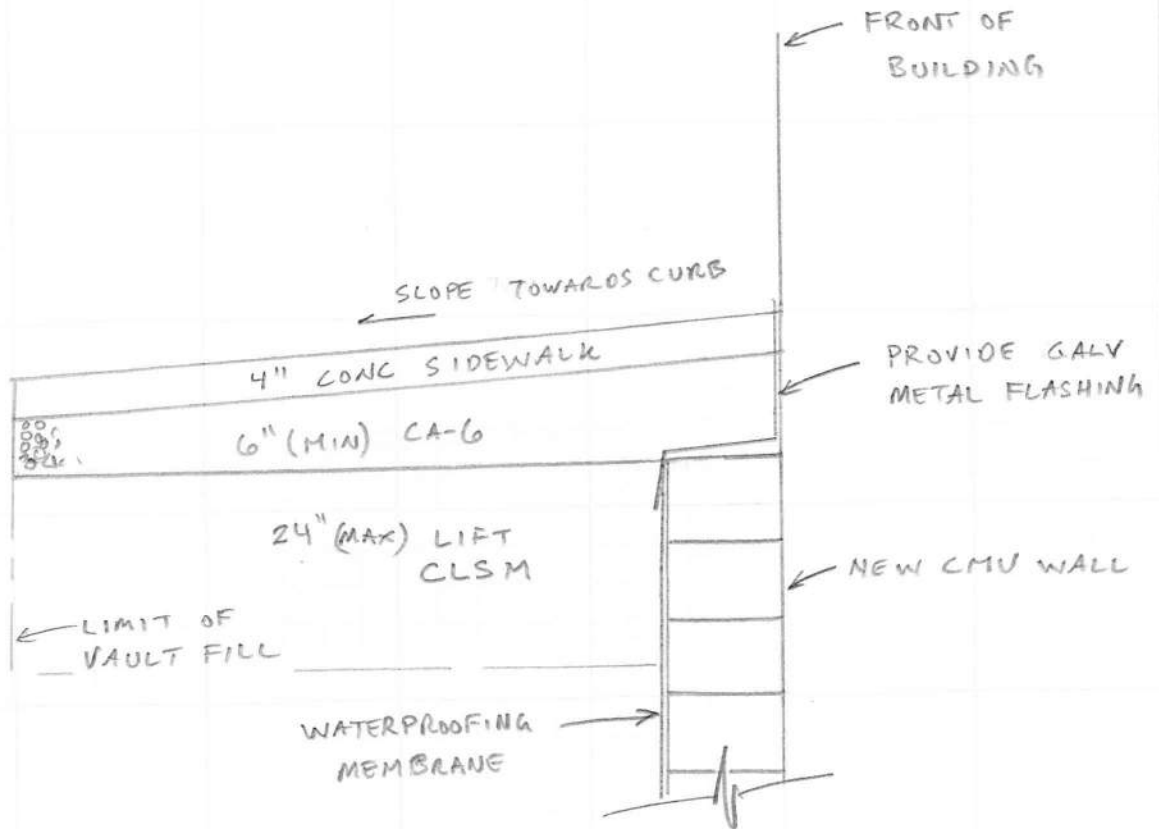
↑ CORE 6" HOLE
IN (2) LOCATIONS FOR DRAINAGE

FILL VAULT W/ CLSM (FLOWABLE FILL) MAX 2' LIFT
PER DAY. CAP W/ 6" LAYER OF CA-6. POUR
SIDEWALK PER CITY SPECIFICATIONS.

Project CITY OF AURORA
VAULT FILL
Calc's for SIDEWALK DETAIL



Sheet No. 1 of 1
Job No. 210768
By S/S Date 6/9/21
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NOTE: MATCH GRADES OF EXISTING SIDEWALK
AT ALL EDGES



Vault Number 1



Vault Number 2



Vault Number 3

SPECIAL PROVISIONS

I. MASONRY WALL CONSTRUCTION (12")

HRCgreen.com 11410 Professional Center Rd. #100-100000 HRCgreen	USER NAME = j_mood				DESIGNED = SLS	REVIS	CITY OF AURORA	VAULT FILL AND SIDEWALK REPLACEMENT SPECIFICATIONS
	CHECKED = RGD				REVIS			
	DRAWN = R/JH				REVIS			
	PLOT DATE = 8/28/2017				REVIS			
	PLOT SCALE =				REVIS			
Alternative Wall Type. A. The Contractor may construct a reinforced concrete wall as a substitution for Masonry Wall Construction. If the Contractor chooses this alternative, the following requirements apply: 1. Concrete masonry units. 2. Mortar and grout. B. Concrete masonry shown on drawings will function as a closure for the existing openings. C. Provide unit masonry that develops the following net-area compressive strengths (f'm) at 28 days: Determine compressive strength of masonry by testing masonry prisms according to ASTM C 1314. D. For Concrete Unit Masonry: f'm = 1500 psi. Materials The concrete blocks shall meet requirements of Article 1005.02 and the following: Concrete Masonry Units: ASTM C 90 and as follows: 1. Unit Compressive Strength: Provide units with minimum average net-area compressive strength of 1900 psi. 2. Weight Classification: Normal weight. 3. Size (Width): Manufactured to the following dimensions: 12 inches nominal; 11 5/8 inches actual. Reinforcement Bars: ASTM A 706 Gr. 60 in conformance with the Section 508 of the Standard Specifications. Preblended, Dry Mortar Mix: Furnish dry mortar ingredients in the form of a preblended mix. Type M, ASTM C270. Grout for filling cells and bond beams shall conform to ASTM C476. Grout shall have a minimum compressive strength of 2000 psi at 28 days. Grout shall be a "coarse grout" including 3/8" coarse aggregate. Placement A. Lay masonry in the following bond pattern. ▪ Running bond with vertical joint in each course centered (± 4") on units in courses above and below. B. Lay hollow masonry units as follows: ▪ With full mortar coverage on horizontal and vertical face shells. ▪ Bed webs in mortar in starting course. C. Tool exposed joints slightly concave when thumbprint hard, using a jointer larger than the joint thickness, unless otherwise indicated. D. Pointing: During the tooling of joints, enlarge voids and holes, except weep holes, and completely fill with mortar. Point up joints, including corners, openings, and adjacent construction, to provide a neat, uniform appearance. Prepare joints for sealant application. E. Apply Waterproofing to street side of new and existing walls in accordance with Art. 503.18. F. Install Geocomposite Wall Drain. A. The Contractor may construct a reinforced concrete wall as a substitution for Masonry Wall Construction. If the Contractor chooses this alternative, the following requirements apply: ▪ Wall shall be 11½" to 12" thick. ▪ The dowels and reinforcing bars shown for the Masonry Wall Construction shall be used. ▪ Class SJ concrete shall be utilized in accordance with Section 503 of the Standard Specifications. 2. CONTROLLED LOW STRENGTH MATERIAL Controlled Low Strength Material (CLSM) work shall conform to the plans and the applicable portions of Section 593 of the Standard Specifications with the following additional requirements: Where CLSM is poured against an existing building, bracing shall be supplied to carry pressure from the fluid CLSM. Time between 2'-0" lifts shall not be less than 18 hours. The CLSM shall be constructed in lifts of 24" maximum. CLSM shall be mix Number 1.								