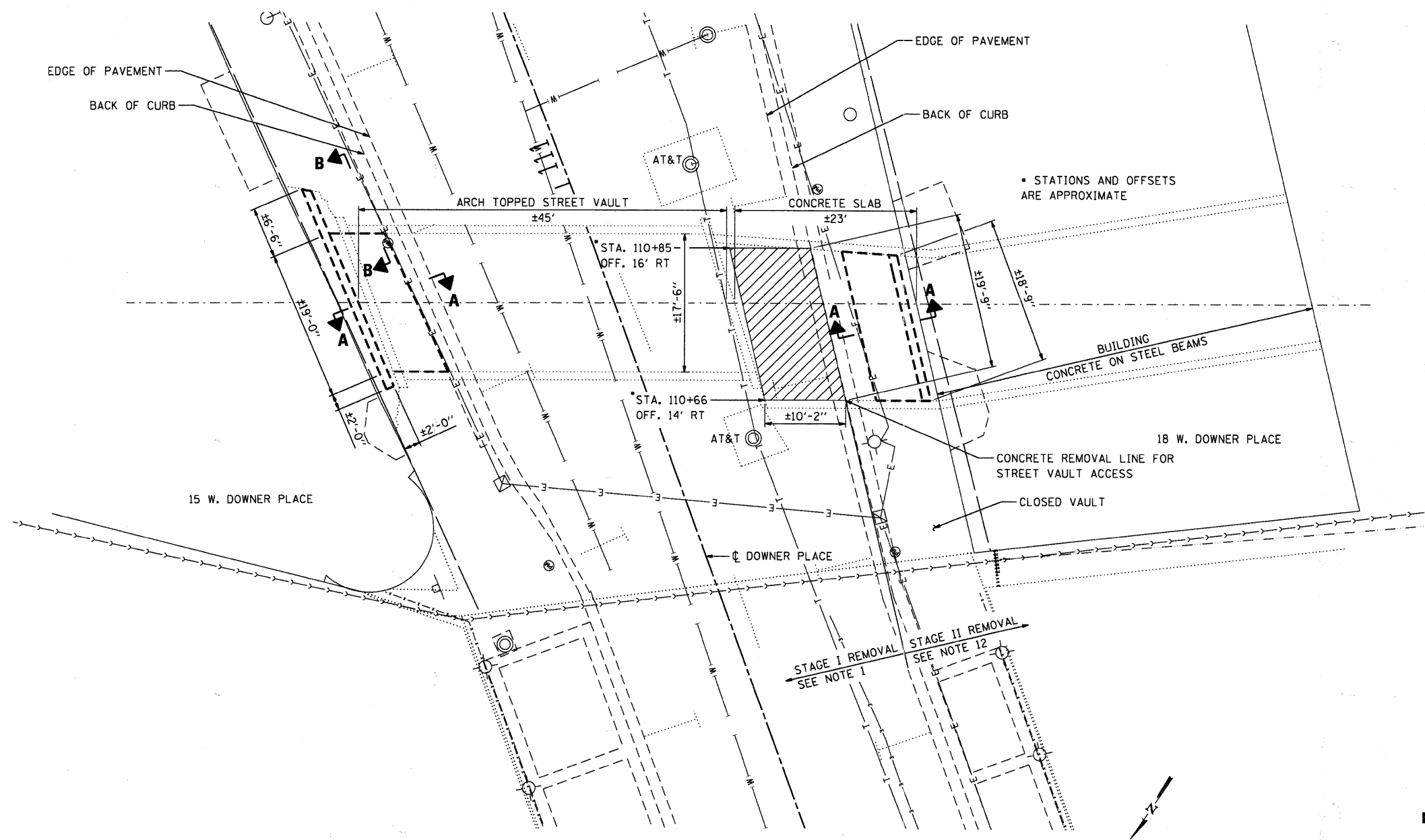


**LONGITUDINAL SECTION**



**PLAN**

**SUGGESTED SEQUENCE OF CONSTRUCTION**

1. REMOVE THE SECTION OF THE EXISTING ROADWAY AND CURB AND ANY FILL DOWN TO THE TOP OF THE EXISTING CIP CONCRETE SLAB AT THE LOCATION SHOWN ON THE PLAN.
2. TEMPORARILY SHORE OR SUPPORT THE NORTHERN EDGE OF THE EXISTING SIDEWALK SLAB (ALONG REMOVAL LINE) WHICH IS TO REMAIN IN-PLACE DURING STREET VAULT FILLING WORK. THE CONTRACTOR IS REQUIRED TO MAINTAIN A 6'-0" MINIMUM WIDTH OF SIDEWALK FOR PEDESTRIAN TRAFFIC AND IS RESPONSIBLE FOR ALL BARRICADES AND SAFETY EQUIPMENT.
3. LOCATE THE HIGH POINT OF THE UNDERSIDE OF THE EXISTING STONE ARCH STREET VAULT IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS. TRANSFER THIS LOCATION TO THE ROADWAY SURFACE ABOVE.
4. REMOVE ALL ORGANIC MATERIAL AND DEBRIS FROM THE STREET VAULT AREA. COST INCLUDED WITH STRUCTURE EXCAVATION.
5. COMPACT STREET VAULT FLOOR, BENEATH PROPOSED FOOTINGS, WITH A VIBRATING PLATE COMPACTOR TO A BEARING PRESSURE OF (Q<sub>MAX</sub>)=2.0ksf.
6. INSTALL CIP CONCRETE RETAINING WALLS AS SHOWN IN THE PLANS. THE TOPS OF THE RETAINING WALLS MUST BE A MINIMUM OF 1'-0" HIGHER IN ELEVATION THAN THE HIGH POINT OF THE UNDERSIDE OF THE EXISTING STONE ARCH. THE WALLS MAY BE POURED THROUGH HOLES THAT HAVE BEEN CORED THROUGH THE SIDEWALK ABOVE THE WALL LOCATIONS. NOTE THAT TEMPORARY SIDEWALK SUPPORTS AND ALL FORMWORK AND OTHER EQUIPMENT USED ON THE OUTSIDES OF THE RETAINING WALLS WILL BE ABANDONED IN-PLACE.
7. INSTALL GEOCOMPOSITE WALL DRAIN ON THE INSIDE (STREET SIDE) VERTICAL FACES OF THE RETAINING WALLS.
8. PLACE AND COMPACT SUBBASE GRANULAR MATERIAL, TYPE C STONE AS SHOWN ON THE PLANS.
9. FILL THE REMAINING SPACE BETWEEN THE RETAINING WALLS WITH CONTROLLED-LOW-STRENGTH-MATERIAL (CLSM) TO ELEVATION 633.00 IN LIFTS NOT EXCEEDING 2'-0". EACH LIFT SHALL CURE FOR A PERIOD OF AT LEAST 4 HOURS PRIOR TO PLACEMENT OF SUBSEQUENT LIFTS.
10. STARTING AT THE HIGH POINT OF THE UNDERSIDE OF THE EXISTING STONE ARCH, CORE INSPECTION HOLES THROUGH THE TOP OF THE ARCH AT 20' INTERVALS IN BOTH DIRECTIONS LONGITUDINALLY.
11. FILL THE REMAINING ARCH SPACE WITH CLSM WORKING FROM THE LOW POINT TOWARD THE HIGH POINT.
12. AT THE TIME OF ROADWAY RECONSTRUCTION, REMOVE THE REMAINING SECTIONS OF SIDEWALK IN THE STREET VAULT FILL AREA ACCORDING TO ROADWAY PLAN AND PROFILE PLANS. THE CONTRACTOR MUST COORDINATE SIDEWALK REMOVAL AND REPLACEMENT WITH THE BUILDING OWNERS IN ORDER TO MAINTAIN BUILDING ACCESS AT ALL TIMES REQUIRED BY THE OWNERS.
13. FILL THE SPACE BETWEEN THE TOP OF THE CLSM AND THE BOTTOM OF THE PROPOSED SIDEWALK/ROADWAY SUB-BASE WITH SUBBASE GRANULAR MATERIAL, TYPE B (MIN. 12" AND VARIES AS DETERMINED BY THE ENGINEER).

**NOTES:**

1. SEE NEXT SHEET FOR SECTIONS A-A AND B-B.

COMPANY NAME: HRGreen  
 PROJECT CONTACT: Michael G. Harding  
 DATE PLOTTED: 7/26/2011 10:52:54 AM  
 FILE NAME: 86090472-Tun01.dgn  
 PLOT DRIVER: pdtLdt  
 PEN TABLE: Struct 22x34.tbl

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PLOT SCALE =	CHECKED - RGD	REVISED -
PLOT DATE = 7/26/2011	DATE - 7/26/11	REVISED -

**CITY OF AURORA**

**STREET VAULT FILL DETAILS  
DOWNER PLACE**

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00264-00-BR	KANE	164	46
CONTRACT NO. 63620				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				