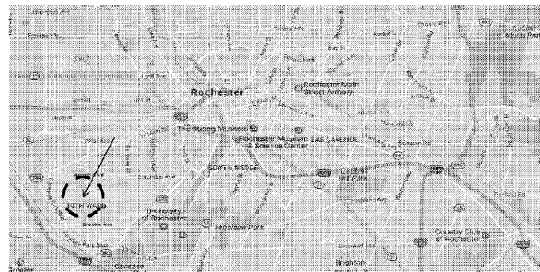


John Walton Spencer School 16

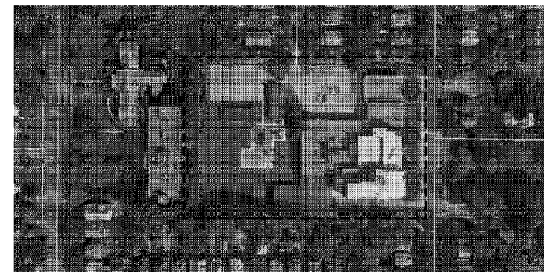
A/C, Crawlspace and Site Work Project

Bid Set

May 6, 2020



Regional Map



Site Map

DRAWING LIST:

- GENERAL:**
- G-000.1 TITLE SHEET
- G-001.1 GENERAL NOTES & LEGENDS
- G-002.1 BASEMENT CODE COMPLIANCE PLAN
- G-003.1 FIRST FLOOR CODE COMPLIANCE PLAN
- G-004.1 SITE PLAN & SECOND FLOOR CODE COMPLIANCE PLAN
- G-005.1 THIRD FLOOR CODE COMPLIANCE PLAN

- CIVIL:**
- C-100.1 CIVIL SITE DEMOLITION PLAN
- C-110.1 CIVIL SITE PLAN
- C-111.1 CIVIL SITE SIGN PLAN
- C-112.1 CIVIL SITE SIGN PLAN
- C-113.1 PAVEMENT STRIPING REMOVAL PLAN
- C-120.1 CIVIL SITE GRADING PLAN
- C-130.1 CIVIL SITE UTILITY PLAN
- C-131.1 CIVIL SITE UTILITY PLAN
- C-500.1 CIVIL SITE DETAILS
- C-501.1 CIVIL SITE DETAILS
- C-502.1 CIVIL UTILITY DETAILS
- C-503.1 CIVIL UTILITY DETAILS

- LANDSCAPE:**
- L-100.1 EXISTING CONDITIONS & SITE PREPARATION PLAN
- L-101.1 SITE GRADING PLAN
- L-501.1 DETAILS

- STRUCTURAL:**
- S-001.1 GENERAL STRUCTURAL NOTES & DESIGN CRITERIA
- S-100.1 CRAWLSPACE FLOOR PLAN & OPENING DETAIL
- S-101.1 ACOUSTICAL SOUND BARRIER DETAILS

- ARCHITECTURAL:**
- A-101.1 ENLARGED PLANS & DETAILS - ROOF & CAFETERIA RCP
- A-120.1 ROOF DETAILS

- PLUMBING:**
- P-001.1 ABBREVIATIONS, GENERAL NOTES, SYMBOLGY & SCHEDULES
- P-100.1 CRAWLSPACE PLAN - AREA A
- P-500.1 PLUMBING DETAILS

- FIRE PROTECTION:**
- FP-141.1 FP REMOVAL
- FP-142.1 FP REPLACEMENT PLAN

- MECHANICAL:**
- M-421.1 MECHANICAL ROOM PLANS - HVAC
- M-501.1 SCHEMATICS & DETAILS - HVAC
- M-601.1 SCHEDULES & LEGENDS - HVAC

- ELECTRICAL:**
- E-421.1 KITCHEN & GYM AIR CONDITIONING WORK - ELECTRICAL
- E-424.1 CRAWL SPACE SUMP PUMP WORK - ELECTRICAL

321 Post Avenue
Rochester, NY 14619

SWBR Project # 16158.00

Additions & Alterations SED Control #26-16-00-01-0-016-020

Drawn By:	SL
Checked By:	AMS
Project Manager:	AMS

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Revisions

John Walton Spencer School 16
321 Post Avenue
Rochester, NY 14619
SWBR Project Number 16158.00

Rochester Joint Schools Construction Board
70 Carlson Street, Suite 200
Rochester, NY 14610

G-000.1
TITLE SHEET

May 6, 2020
Bid Set

Owner:

Rochester Joint Schools Construction
70 Carlson Street, Suite 200
Rochester, NY 14610

Architect / Landscape Architect / Structural Engineer:

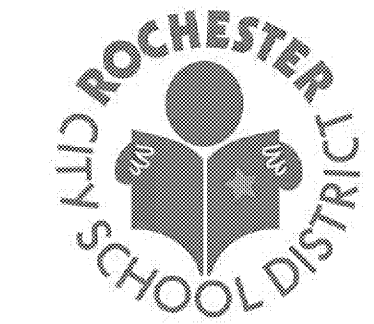
SWBR
387 East Main Street
Rochester, New York 14604
(585) 232-8300

Mechanical / Electrical Engineer:

M/E Engineering, PC.
300 Trolley Boulevard
Rochester, NY 14606
(585) 288-5590

Civil / Plumbing / Fire Protection Engineer:

Watts Architecture & Engineering
95 Perry St, Suite 300,
Buffalo, NY 14203
(716) 206-5130



Every child is a work of art.
Create a masterpiece.

GENERAL NOTES:

- 1. ALL GENERAL NOTES PERTAIN TO ALL ARCHITECTURAL (A-SERIES) DRAWINGS IN THIS SET
2. IN NEW MASONRY WALL CONSTRUCTION THE GENERAL CONTRACTOR SHALL PROVIDE LINTELS FOR ALL OPENINGS EXCEEDING 16" WIDE...
3. COORDINATION BETWEEN THE GENERAL CONTRACTOR AND THE OTHER CONTRACTORS MUST OCCUR BEFORE THE NEW WALLS ARE CONSTRUCTED...
4. FOR NEW OPENINGS IN EXISTING MASONRY WALLS...
5. SEE LINTEL SCHEDULE ON THE STRUCTURAL DRAWINGS FOR SIZE REQUIREMENTS AND LOADING CONDITIONS...
6. ALL EXISTING DIMENSIONS ARE APPROXIMATE AND FOR CONTRACTOR VERIFICATIONS...
7. EVERY ATTEMPT HAS BEEN MADE TO INDICATE PERTINENT EXISTING UTILITIES AND CONDITIONS...
8. ALL EXISTING WORK (CEILING, FLOORS, WALLS, PARTITIONS, FINISHES, ETC.) DISTURBED BY NEW CONSTRUCTION...
9. PENETRATIONS THROUGH FIRE-RESISTANT CONSTRUCTION SHALL BE BUILT IN ACCORDANCE WITH U.L. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS...
10. GYPSUM BOARD JOINT TREATMENT IN CONCEALED SPACES SHALL BE FIRE TAPED... UNLESS OTHERWISE INDICATED...

S.E.D. CONTROL NUMBERS
26-16-00-01-0-016-020

Drawn By: SL
Checked By: SL
Project Manager: AMS

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Rochester Joint Schools
Construction Board
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Rochester, NY 14610

G-001.1
GENERAL NOTES & LEGENDS

May 6, 2020
Bid Set

DRAWING SYMBOLS

Table with 4 columns: VIEW TITLE, EXTERIOR ELEVATION, DOOR NUMBERS, WINDOW TYPES. Includes symbols for titles, elevations, door numbers, window types, section cuts, structural grids, and demolition keys.

MATERIAL SYMBOLS

Table with 4 columns: UNDISTURBED EARTH, STEEL-LARGE-SCALE, BATT INSULATION, GRAVEL OR CRUSHED STONE, STEEL-SMALL-SCALE, RIGID INSULATION, STONE, WOOD FRAMING (CONTINUOUS), WOOD BLOCKING (INTERMITTENT), CONCRETE, FINISH WOOD, CONCRETE MASONRY UNIT, PLYWOOD, BRICK, GYPSUM, SAND, MORTAR.

LIST OF ARCHITECTURAL/STRUCTURAL ABBREVIATIONS

Large table listing architectural and structural abbreviations such as AB ANCHOR BOLT, ACC ACCESSIBLE, ACQU AIR COOLED CONDENSING UNIT, ACT ACTUATOR, etc.

BUILDING DATA & CODE REVIEW

PROJECT NAME: JOHN WALTON SPENCER SCHOOL 16
SWBR PROJECT NUMBER: 16155.00
PREPARED BY: JMB
DATE: 1.27.2017

BUILDING DATA & CODE SUMMARY
2015 BUILDING CODE OF NEW YORK STATE / 2015 EXISTING BUILDING CODE OF NEW YORK STATE

OCCUPANCY CLASSIFICATION: (Chapter 3)
[X] SINGLE
MIXED OCCUPANCY
SEPARATED
NON-SEPARATED
COMBINATION OF BOTH

CONSTRUCTION CLASSIFICATION: (Chapter 6)
IA, IIB AND IIBB (EXISTING) / IIB (NEW)

AUTOMATIC SPRINKLER SYSTEM PROVIDED:
NFPA STANDARD: [X] 13
[X] YES
[X] 13R
NO
13D

REHABILITATION OF EXISTING STRUCTURES
EXISTING BUILDING CODE OF NEW YORK STATE 2015 - CLASSIFICATION OF WORK
Refer to Code Compliance Drawings for location of Work Areas as defined in Chapter 5 of EBCNYS

REPAIR (Chapter 6)
ALTERATION - LEVEL 1 (Chapter 7)
ALTERATION - LEVEL 2 (Chapter 8)
[X] ALTERATION - LEVEL 3 (Chapter 9)
CHANGE OF OCCUPANCY (Chapter 10)

FORMER OCCUPANCY CLASSIFICATION:
NEW OCCUPANCY CLASSIFICATION:
PARTIAL CHANGE OF OCCUPANCY:
IF YES: [] YES [X] NO
[] SEPARATED [] NOT SEPARATED

[X] ADDITION (Chapter 11)
SEPARATED FROM EXISTING WITH FIRE WALL? [] YES [X] NO
IF NO, HEIGHT AND FIRE AREA OF ENTIRE BUILDING (EXISTING PLUS ADDITION) SHALL BE IN COMPLIANCE WITH CHAPTER 5 OF BCNYS 2015.

IF YES, CHAPTER 11 OF THE EBCNYS DOES NOT APPLY. THE ADDITION IS CONSIDERED A SEPARATE BUILDING AND NOT AN ADDITION TO THE EXISTING BUILDING. THE ADDITION SHALL COMPLY WITH THE BCNYS.
IF YES, FIRE RESISTANCE RATING (Table 706.4 BCNYS):

[] HISTORIC BUILDING (Chapter 12)
[] RELOCATED STRUCTURE (Chapter 13)
SEISMIC RETROFIT REQUIRED? [] YES [] NO

HEIGHT & AREA - ACTUAL: (Chapter 5)
Table with columns: BUILDING HEIGHT, HEIGHT IN FEET, HEIGHT IN STORIES. Rows for EXISTING, PROPOSED ADDITION (CLASSROOM), PROPOSED ADDITION (GYMNASIUM).

BUILDING AREA
Table with columns: BUILDING AREA, EXISTING, ADDITION, TOTAL. Rows for BASEMENT, FIRST, SECOND, THIRD, TOTAL.

HEIGHT & AREA - ALLOWABLE: (Chapter 5)
Table with columns: OCCUPANCY CLASSIFICATION, TABULAR AREA, TABULAR HEIGHT. Rows for CLASS, NS/S1/SMS13R, SF, FEET, STORIES, NOTE.

Notes:
'NS' = BUILDINGS NOT EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM.
'S1' = BUILDINGS A MAXIMUM OF ONE STORY ABOVE GRADE PLANE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 (NFPA 13 SPRINKLER SYSTEM).

AREA INCREASE - FRONTAGE (508.3)
FRONTAGE F = 1.191
PERIMETER P = 1.462
WIDTH OF OPEN SPACE W = 29.6
FRONTAGE INCREASE F# = .58

ALLOWABLE BUILDING AREA - MULTI-STORY: SINGLE OCCUPANCY - FRONTAGE INCREASE
EQUATION 5.2
ALLOWABLE AREA: Aa = At + (Ns x Ft) x Sa
ALLOWABLE AREA PER STORY (Sa + 1)

- SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY (Chapter 4)
Covered mall and open mall buildings [402]
High-rise buildings [403] - Occupied floors > 75 feet
Aslums [404]
Underground buildings [405]
Motor vehicle related occupancies [406]
Group I-2 (health care) [407]
Group I-3 (correctional or detention) [408]
Motion picture projection rooms [409]
Aircraft related occupancies [412]
Combustible storage [413]
Hazardous materials [414]
Group H1 through H5 [415]
Application of flammable finishes [416]
Drying rooms [417]
Organic coatings [418]
Live/Work units [419]
Group I-1, R-1, R-2, R-3, R-4 [420]
Hydrogen fuel gas rooms [421]
Ambulatory care facilities [422]
Storm shelters [423]
Children's play structures [424]
Hyperbaric facilities [425]
Combustible dusts, grain processing & storage [426]

FIRE PROTECTION SYSTEMS: (Chapter 9)
Table with columns: FIRE PROTECTION SYSTEM, REQUIRED, PROVIDED, SECTION. Rows include AUTOMATIC SPRINKLER, ALTERNATIVE AUTO FIRE EXT, STANDPIPE, PORTABLE FIRE EXTINGUISHER, FIRE ALARM & DETECTION, EMERGENCY ALARM, SMOKE CONTROL SYSTEM, SMOKE & HEAT REMOVAL, FIRE COMMAND CENTER, FIRE DEPARTMENT CONNECTIONS, FIRE PUMPS, EMERGENCY RESPONDER SAFETY, CARBON MONOXIDE DETECTION.

MEANS OF EGRESS: (Chapter 10)
DESIGN OCCUPANT LOAD SUMMARY - TABLE 1004.1.2
Table with columns: FLOOR LEVEL, DESIGN OCCUPANT LOAD. Rows for BASEMENT, FIRST, SECOND, THIRD, TOTAL.

MEANS OF EGRESS ELEMENT
Table with columns: MEANS OF EGRESS ELEMENT, REQUIRED, PROVIDED, SECTION. Rows include NUMBER OF EXITS, EXIT ACCESS TRAVEL DISTANCE, DEAD-END LIMIT, COMMON PATH OF TRAVEL LIMIT.

PLUMBING FIXTURE REQUIREMENTS: (Chapter 29)
Table with columns: OCCUPANCY CLASSIFICATION, OCCUPANT LOAD, WATER CLOSETS, URINALS, D.F., LAVATORIES. Rows for MEN, WOMEN.

SEPARATE FACILITIES FOR EACH GENDER REQUIRED? [X] YES [] NO
SEPARATE EMPLOYEE FACILITIES REQUIRED? [X] YES [] NO
LOCATION OF EMPLOYEE FACILITIES COMPLIES? [X] YES [] NO
LOCATION OF PUBLIC FACILITIES COMPLIES? [X] YES [] NO

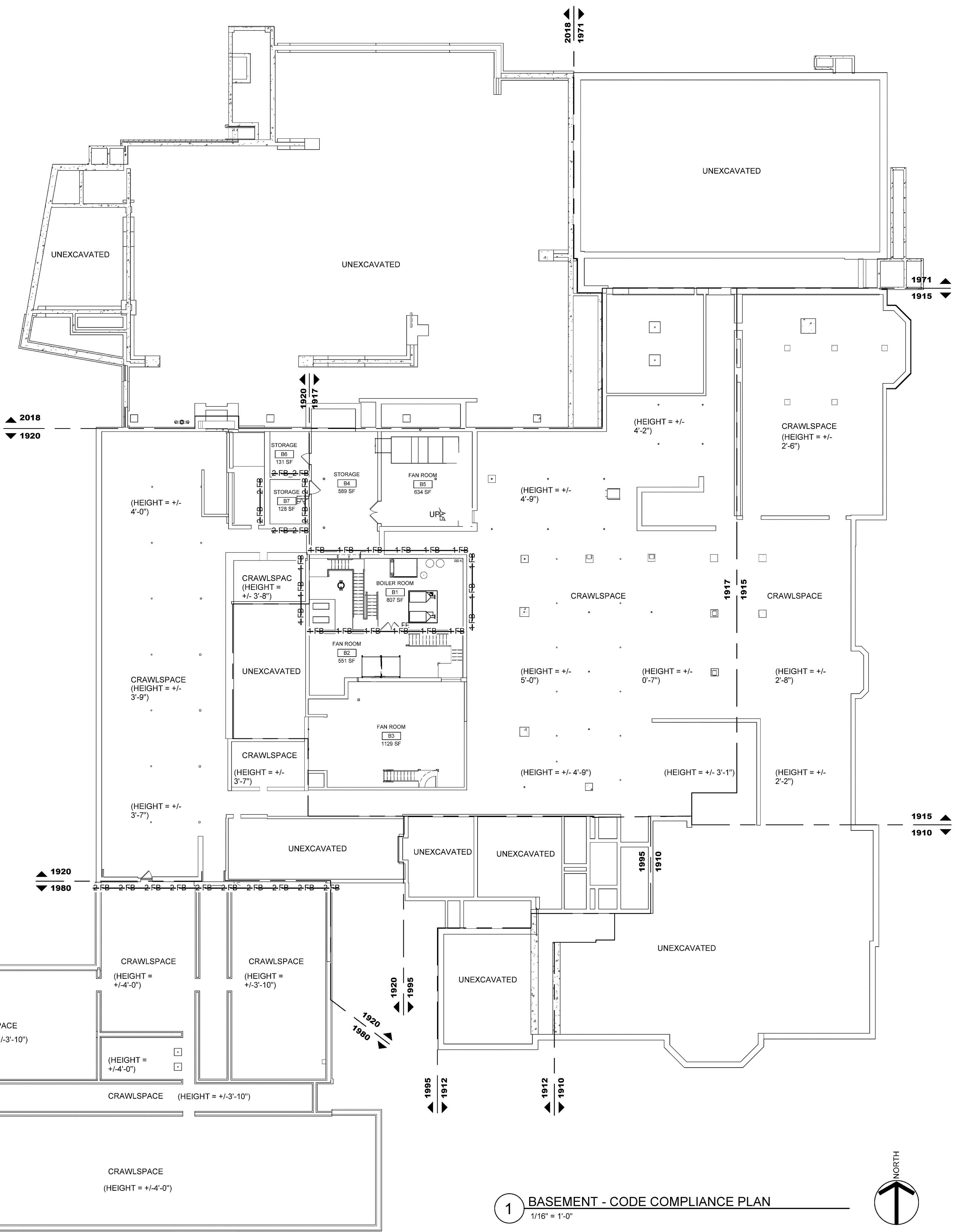
Fire Code of New York State
FIRE SERVICE FEATURES - Chapter 5
Fire Apparatus Access Roads (503)
Access to Building Openings (504)
Fire Protection Water Supplies (508)

CODE COMPLIANCE PLAN LEGEND

- [X] INDICATES FIRE-RESISTANT WALL CONSTRUCTION OF VARIOUS TYPES AND HOURLY RATINGS.
-CPET = X'-X'- COMMON PATH OF EGRESS TRAVEL
-EATD = X'-X'- EGRESS ACCESS TRAVEL DISTANCE
-MPS = X'-X'- SED MPS S103-1(C) CORRIDOR TRAVEL DISTANCE TO EXIT
EXIT, MAINTAIN OPERATIONAL AT ALL TIMES DURING CONSTRUCTION
HORIZONTAL EXIT
EXIT LOAD
CLEAR EXIT WIDTH (INCHES)
EXIT CAPACITY (OCCUPANTS)
DENOTES STAIR WIDTH USED IN LIEU OF DOOR(S)
SPECIFIC CODE INFORMATION NOTE
FAAP FIRE ALARM ANNUNCIATOR PANEL
FACP FIRE ALARM CONTROL PANEL
FEC FIRE EXTINGUISHER CABINET
FE FIRE EXTINGUISHER (BRACKET MOUNTED)
ACCESSIBLE ENTRANCE, EXIT OR TOILET ROOM
RESCUE WINDOW
CLASSROOM NAME OF ROOM/SPACE, ROOM/SPACE NUMBER, FLOOR AREA (SF), OCCUPANT LOAD
CODE COMPLIANCE KEY NOTE

CODE COMPLIANCE KEYNOTES

- EXISTING BUILDING CONSTRUCTION CONSISTS OF MULTIPLE CONSTRUCTION TYPE CLASSIFICATIONS AS FOLLOWS:
TYPE IIA: 1995
TYPE IIB: 1910, 1912, 1971, 1980
TYPE IIIB: 1915, 1917, 1920
CONSTRUCTION TYPE CLASSIFICATION OF NEW ADDITIONS = TYPE IIB
EXISTING BUILDING IS NOT SPRINKLERED. SPRINKLERS WILL BE ADDED TO ENTIRE BUILDING UNDER THIS PROJECT. THE SPRINKLER SYSTEM SHALL PROVIDE COVERAGE FOR THE STAIRWAY LANDINGS SERVING THE FLOOR AND ALL INTERMEDIATE LANDINGS (EBC 804.1)
THIS ALLOWABLE AREA FACTOR APPLIES TO BOTH TYPE IIB AND TYPE IIB CONSTRUCTION CLASSIFICATIONS. ALLOWABLE BUILDING HEIGHT IN FEET AND NUMBER OF STORIES APPLIES TO BOTH CONSTRUCTION TYPE CLASSIFICATIONS
IBC 907.5.2.2 REQUIRES AN EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM MEETING SECTION 907.5.2.2
EBC 905.2 - EMERGENCY LIGHTING REQUIRED IN EXIT ENCLOSURES AT ALL LEVELS
SED MPS S107-1(d) - DEAD-END CORRIDORS ARE LIMITED TO 1/2 TIMES THE WIDTH OF THE CORRIDOR FOR NEW CONSTRUCTION. EBC 805.6, EXCEPTION #3 ALLOWS EXISTING DEAD-END CORRIDORS UP TO 70 FEET IN BUILDINGS SPRINKLERED THROUGHOUT
EBC 805.11 - COMPLIANT GUARDS ARE REQUIRED IN ALL STAIRWAYS
EBC 705.1.3 - PLATFORM (WHEELCHAIR) LIFTS SHALL BE PERMITTED AS A COMPONENT OF AN ACCESSIBLE ROUTE
COMPLIANCE WITH IFC 915.3 CARBON MONOXIDE DETECTION IN COMMERCIAL BUILDING AS AMENDED BY THE 2016 UNIFORM CODE SUPPLEMENT, CHAPTER 7, ITEM #12
CORRIDOR TRAVEL DISTANCE FROM EXIT 2 TO HE IS < 300' (214'-0") CORRIDOR TRAVEL DISTANCE FROM EXIT 3 IS > 300' (305'-0")
BC NYS 711.2.3 - MASONRY SUPPORTING 2HR RATED FLOOR/CEILING ASSEMBLY SHALL BE 2HR RATED
60 MIN HORIZONTAL SHAFT WALL CEILING/ SOFFIT (FIRE TEST REFERENCE ICC ES NER-258)
120 MIN HORIZONTAL SHAFT WALL CEILING/ SOFFIT (FIRE TEST REFERENCE ICC ES NER-258)
BC NYS 1019- EXIT ACCESS STAIRWAY - BCNYS TRAVEL DISTANCE PER SECTION 1017.2E ALLOWS UP TO 250'.
ADMINISTRATIVE VARIANCE REQUESTED TO ALLOW 2HR FIRE BARRIER IN LIEU OF 2HR FIRE WALL



1 BASEMENT - CODE COMPLIANCE PLAN
1/16" = 1'-0"



387 East Main Street Rochester NY 14604
585 232 8300 | rochester@swbr.com



Every child is a work of art.
Create a masterpiece.

S.E.D. CONTROL NUMBERS
26-16-00-01-0-016-020

Drawn By: SL
Checked By: FOI
Project Manager: AMS

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Revisions table with columns for revision number, description, and date.

John Walton Spencer
School 16
321 Post Avenue
Rochester, NY 14619
SWBR Project Number 16155.00

Rochester Joint Schools
Construction Board
70 Carlson Street, Suite 200
Rochester, NY 14610

G-002.1
BASEMENT CODE COMPLIANCE PLAN

May 6, 2020
Bid Set

CODE COMPLIANCE KEYNOTES

- 1 EXISTING BUILDING CONSTRUCTION CONSISTS OF MULTIPLE CONSTRUCTION TYPE CLASSIFICATIONS AS FOLLOWS:
TYPE IIA: 1995
TYPE IIB: 1910, 1912, 1971, 1980
TYPE IIIB: 1915, 1917, 1920
- 2 CONSTRUCTION TYPE CLASSIFICATION OF NEW ADDITIONS = TYPE IIB
- 3 EXISTING BUILDING IS NOT SPRINKLERED. SPRINKLERS WILL BE ADDED TO ENTIRE BUILDING UNDER THIS PROJECT. THE SPRINKLER SYSTEM SHALL PROVIDE COVERAGE FOR THE STAIRWAY LANDINGS SERVING THE FLOOR AND ALL INTERMEDIATE LANDINGS (EBC 804.1)
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- 6 EBC 905.2 - EMERGENCY LIGHTING REQUIRED IN EXIT ENCLOSURES AT ALL LEVELS
- 7 SED MPS S107-1(d) - DEAD-END CORRIDORS ARE LIMITED TO 1/2 TIMES THE WIDTH OF THE CORRIDOR FOR NEW CONSTRUCTION
- 8 EBC 805.6, EXCEPTION #3 ALLOWS EXISTING DEAD-END CORRIDORS UP TO 70 FEET IN BUILDINGS SPRINKLERED THROUGHOUT
- 9 EBC 805.11 - COMPLIANT GUARDS ARE REQUIRED IN ALL STAIRWAYS
- 10 EBC 705.1.3 - PLATFORM (WHEELCHAIR) LIFTS SHALL BE PERMITTED AS A COMPONENT OF AN ACCESSIBLE ROUTE
- 11 COMPLIANCE WITH IFC 915.3 CARBON MONOXIDE DETECTION IN COMMERCIAL BUILDING AS AMENDED BY THE 2016 UNIFORM CODE SUPPLEMENT, CHAPTER 7, ITEM #12
- 12 CORRIDOR TRAVEL DISTANCE FROM EXIT 2 TO HE IS < 300' (214'-0")
CORRIDOR TRAVEL DISTANCE FROM EXIT 2 TO EXIT 3 IS > 300' (305'-0")
- 13 BC NYS 711.2.3 - MASONRY SUPPORTING 2HR RATED FLOOR/CEILING ASSEMBLY SHALL BE 2HR RATED
- 14 60 MIN HORIZONTAL SHAFT WALL CEILING/ SOFFIT (FIRE TEST REFERENCE ICC ES NER-258)
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- 16 BC NYS 1019- EXIT ACCESS STAIRWAY. BCNYS TRAVEL DISTANCE PER SECTION 1017.2E ALLOWS UP TO 250'.
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CODE COMPLIANCE PLAN LEGEND

- X — X INDICATES FIRE-RESISTANT WALL CONSTRUCTION OF VARIOUS TYPES AND HOURLY RATINGS.
- CPET = X'-X' — COMMON PATH OF EGRESS TRAVEL
- EATD = X'-X' — EGRESS ACCESS TRAVEL DISTANCE
- MPS = X'-X' — SED MPS S103-1(G) CORRIDOR TRAVEL DISTANCE TO EXIT
- E EXIT MAINTAIN OPERATIONAL AT ALL TIMES DURING CONSTRUCTION
- HE HORIZONTAL EXIT
- ## EXIT LOAD
- ##" CLEAR EXIT WIDTH (INCHES)
- ## OCCUPANT CAPACITY (OCCUPANTS)
- * DENOTES STAIR WIDTH USED IN LIEU OF DOOR(S)
- SPECIFIC CODE INFORMATION NOTE
- FAAP FIRE ALARM ANNUNCIATOR PANEL
- FACP FIRE ALARM CONTROL PANEL
- FEC FIRE EXTINGUISHER CABINET
- FE FIRE EXTINGUISHER (BRACKET MOUNTED)
- ♿ ACCESSIBLE ENTRANCE, EXIT OR TOILET ROOM
- RW RESCUE WINDOW
- CLASSROOM NAME OF ROOM/SPACE, ROOM/SPACE NUMBER, FLOOR AREA (SF), OCCUPANT LOAD
- CODE COMPLIANCE KEY NOTE

FIRE SAFETY DURING DEMOLITION AND CONSTRUCTION:

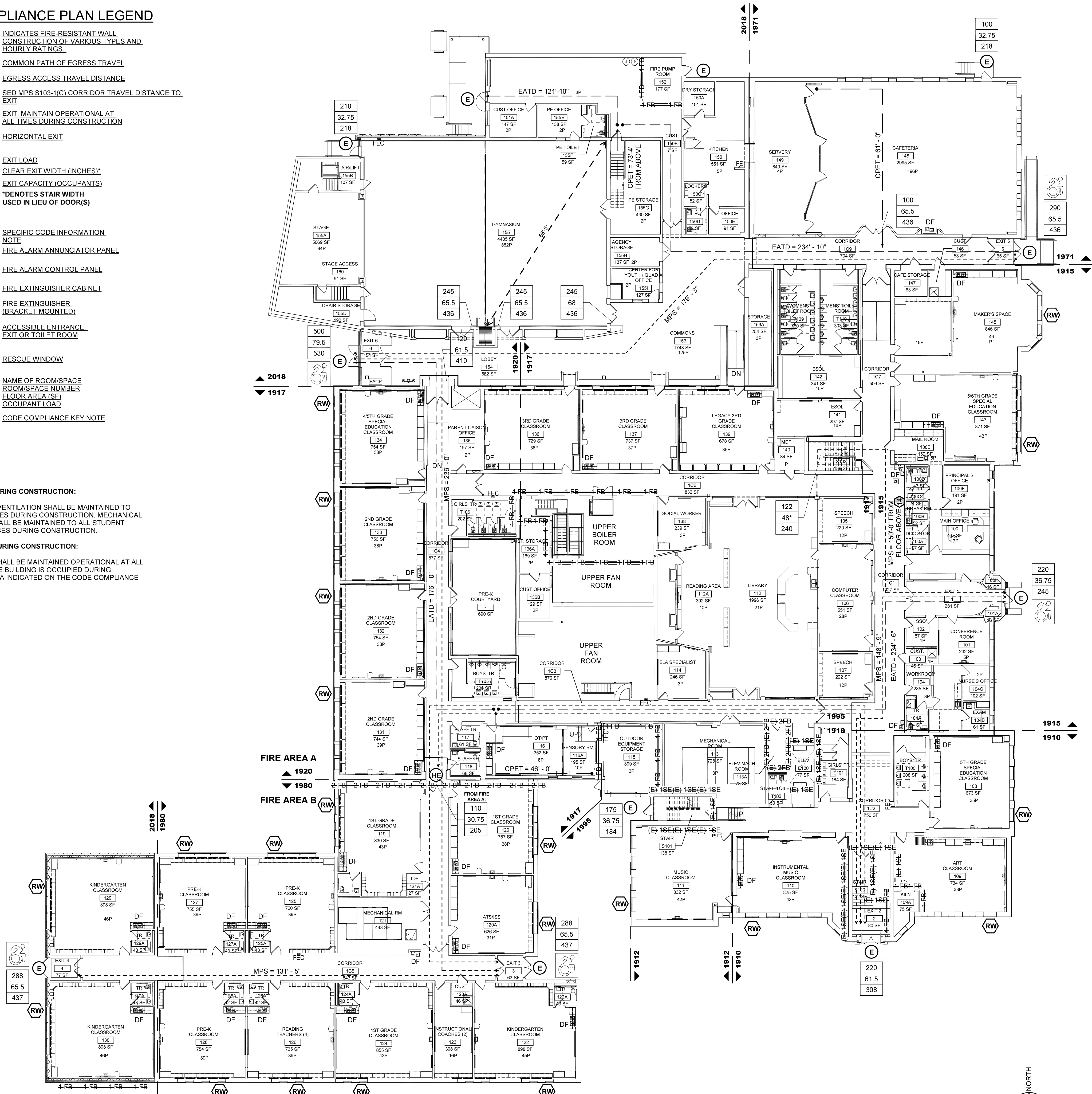
- TAKE PRECAUTIONS TO PREVENT FIRES AND TO FACILITATE FIRE-FIGHTING OPERATIONS. COMPLY WITH CHAPTER 14 OF THE FIRE CODE OF NEW YORK STATE.
- KEEP FLAMMABLE MATERIALS IN NON-COMBUSTIBLE CONTAINERS; STORE AWAY FROM POTENTIAL FIRE SOURCES; REMOVE FLAMMABLE WASTE REGULARLY.
- KEEP TEMPORARY AND PERMANENT FIRE-FIGHTING FACILITIES READILY ACCESSIBLE; KEEP FIRE-FIGHTING ROUTES OPEN.
- SMOKING SHALL NOT BE ALLOWED ON SCHOOL PROPERTY.
- CAREFULLY SUPERVISE THE OPERATION OF POTENTIAL FIRE SOURCES, INCLUDING HEATING UNITS.
- CONDUCT WELDING OPERATIONS IN A MANNER TO PREVENT FIRE; COMPLY WITH LOCAL REGULATIONS.

VENTILATION DURING CONSTRUCTION:

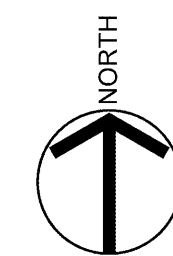
- A ADEQUATE VENTILATION SHALL BE MAINTAINED TO OCCUPIED SPACES DURING CONSTRUCTION. MECHANICAL VENTILATION SHALL BE MAINTAINED TO ALL STUDENT OCCUPIED SPACES DURING CONSTRUCTION.

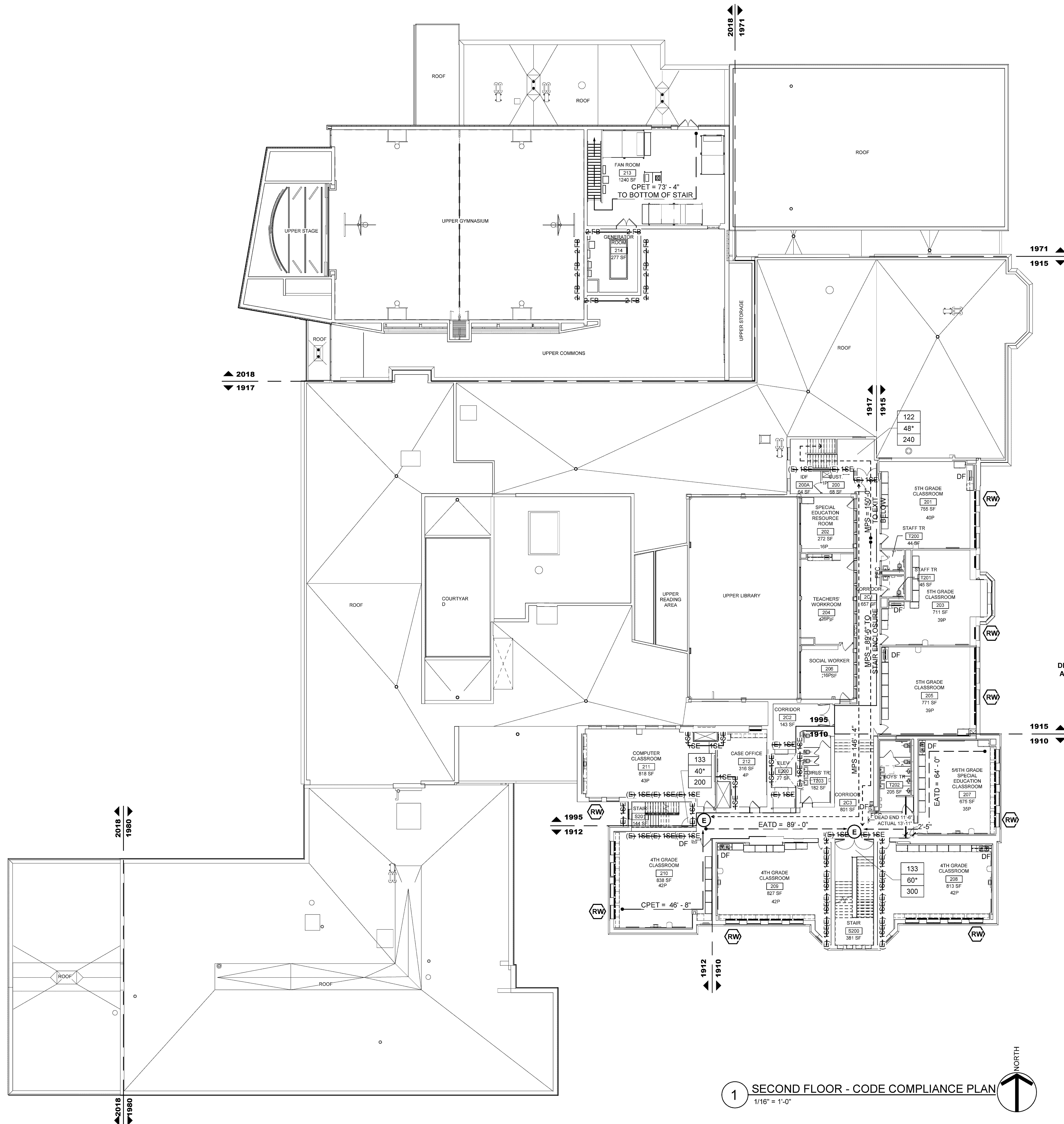
EXITING PLAN DURING CONSTRUCTION:

- A ALL EXITS SHALL BE MAINTAINED OPERATIONAL AT ALL TIMES WHILE THE BUILDING IS OCCUPIED DURING CONSTRUCTION AS INDICATED ON THE CODE COMPLIANCE PLAN.



1 FIRST FLOOR - CODE COMPLIANCE PLAN
1/16" = 1'-0"





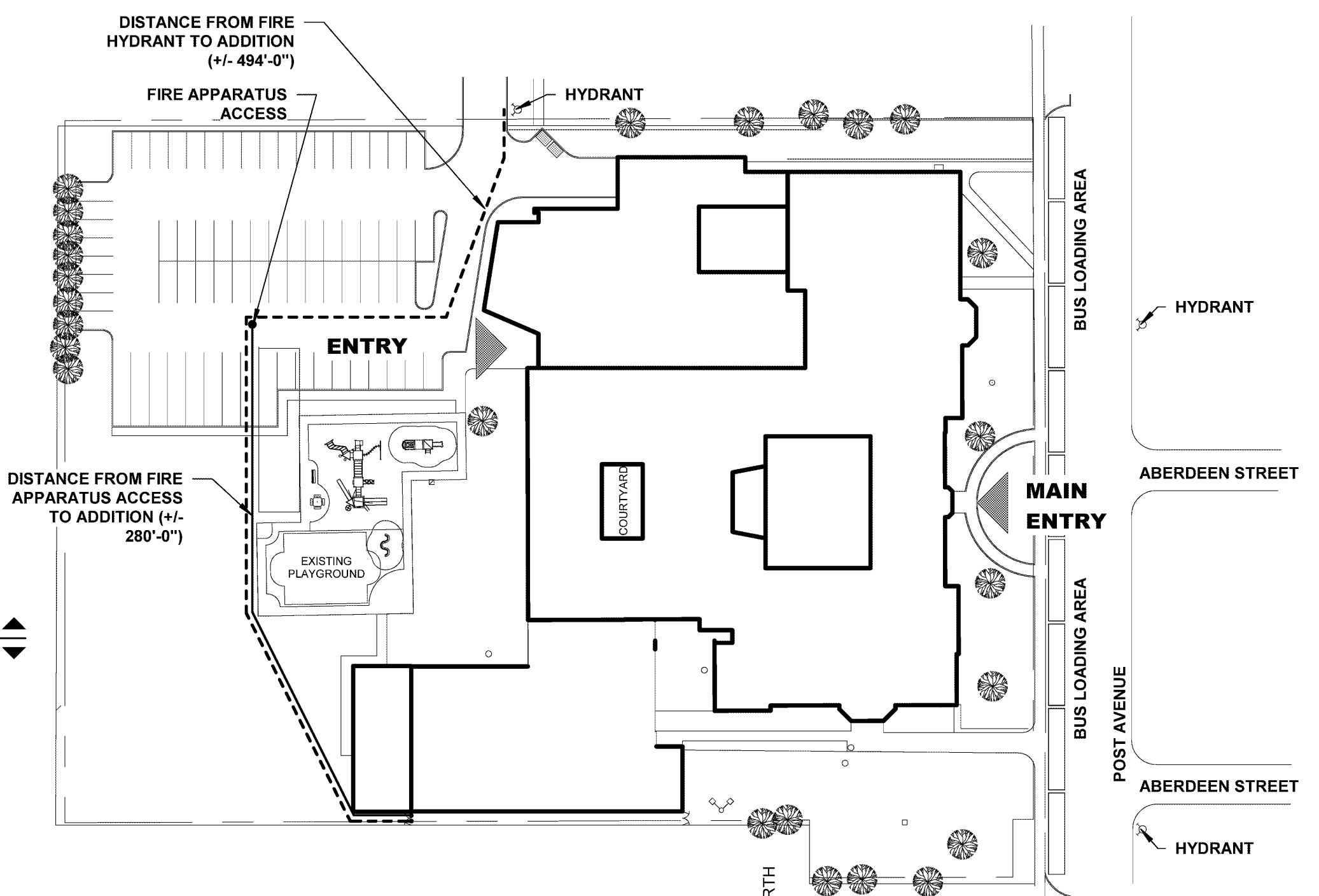
1 SECOND FLOOR - CODE COMPLIANCE PLAN
1/16" = 1'-0"

CODE COMPLIANCE KEYNOTES

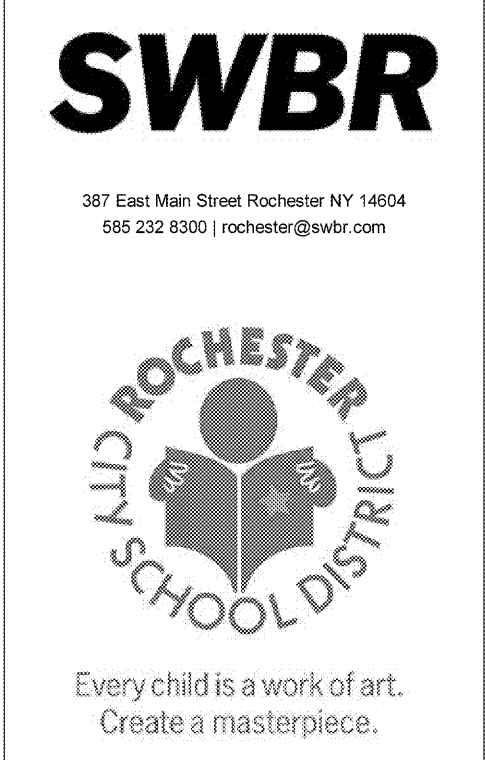
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- ⑥ EBC 905.2 - EMERGENCY LIGHTING REQUIRED IN EXIT ENCLOSURES AT ALL LEVELS
- ⑦ SED MPS S107-1(d) - DEAD-END CORRIDORS ARE LIMITED TO 1 1/2 TIMES THE WIDTH OF THE CORRIDOR FOR NEW CONSTRUCTION
- ⑧ EBC 805.6, EXCEPTION #3 ALLOWS EXISTING DEAD-END CORRIDORS UP TO 70 FEET IN BUILDINGS SPRINKLERED THROUGHOUT
- ⑨ EBC 805.11 - COMPLIANT GUARDS ARE REQUIRED IN ALL STAIRWAYS
- ⑩ EBC 705.1.3 - PLATFORM (WHEELCHAIR) LIFTS SHALL BE PERMITTED AS A COMPONENT OF AN ACCESSIBLE ROUTE
- ⑪ COMPLIANCE WITH IFC 915.3 CARBON MONOXIDE DETECTION IN COMMERCIAL BUILDING AS AMENDED BY THE 2016 UNIFORM CODE SUPPLEMENT, CHAPTER 7, ITEM #12
- ⑫ CORRIDOR TRAVEL DISTANCE FROM EXIT 2 TO HE IS < 300' (214'-0")
- ⑬ CORRIDOR TRAVEL DISTANCE FROM EXIT 2 TO EXIT 3 IS > 300' (305'-0")
- ⑭ BC NYS 711.2.3 - MASONRY SUPPORTING 2HR RATED FLOOR/CEILING ASSEMBLY SHALL BE 2HR RATED
- ⑮ 60 MIN HORIZONTAL SHAFT WALL CEILING/ SOFFIT (FIRE TEST REFERENCE ICC ES NER-258)
- ⑯ 120 MIN HORIZONTAL SHAFT WALL CEILING/ SOFFIT (FIRE TEST REFERENCE ICC ES NER-258)
- ⑰ BC NYS 1019 - EXIT ACCESS STAIRWAY. BCNYS TRAVEL DISTANCE PER SECTION 1017.2E ALLOWS UP TO 250'
- ⑱ ADMINISTRATIVE VARIANCE REQUESTED TO ALLOW 2HR FIRE BARRIER IN LIEU OF 2HR FIRE WALL

CODE COMPLIANCE PLAN LEGEND

- \times INDICATES FIRE-RESISTANT WALL CONSTRUCTION OF VARIOUS TYPES AND HOURLY RATINGS.
- CPET = X'-X" — COMMON PATH OF EGRESS TRAVEL
- EATD = X'-X" — EGRESS ACCESS TRAVEL DISTANCE
- MPS = X'-X" — SED MPS S103-1(C) CORRIDOR TRAVEL DISTANCE TO EXIT
- E EXIT MAINTAIN OPERATIONAL AT ALL TIMES DURING CONSTRUCTION
- HE HORIZONTAL EXIT
- ## EXIT LOAD
- ## CLEAR EXIT WIDTH (INCHES)
- ## EXIT CAPACITY (OCCUPANTS)
- ## *DENOTES STAIR WIDTH USED IN LIEU OF DOOR(S)
- SPECIFIC CODE INFORMATION NOTE
- FAAP FIRE ALARM ANNUNCIATOR PANEL
- FACP FIRE ALARM CONTROL PANEL
- FEC FIRE EXTINGUISHER CABINET
- FE FIRE EXTINGUISHER (BRACKET MOUNTED)
- ♿ ACCESSIBLE ENTRANCE, EXIT OR TOILET ROOM
- RW RESCUE WINDOW
- CLASSROOM
- XXX ROOM/SPACE NUMBER
- XXX SF FLOOR AREA (SF)
- XX P OCCUPANT LOAD
- CODE COMPLIANCE KEY NOTE



2 SITE PLAN
1" = 60'-0"



S.E.D. CONTROL NUMBERS
26-16-00-01-0-016-020

Drawn By: SL
Checked By: FOI
Project Manager: AMS

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Revisions

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School 16
321 Post Avenue
Rochester, NY 14619
SWBR Project Number 16158.00

Rochester Joint Schools
Construction Board
70 Carlson Street, Suite 200
Rochester, NY 14610

G-004.1
SITE PLAN &
SECOND FLOOR
CODE
COMPLIANCE PLAN

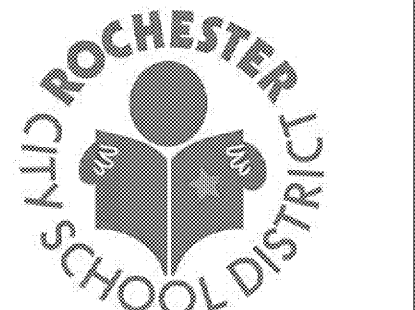
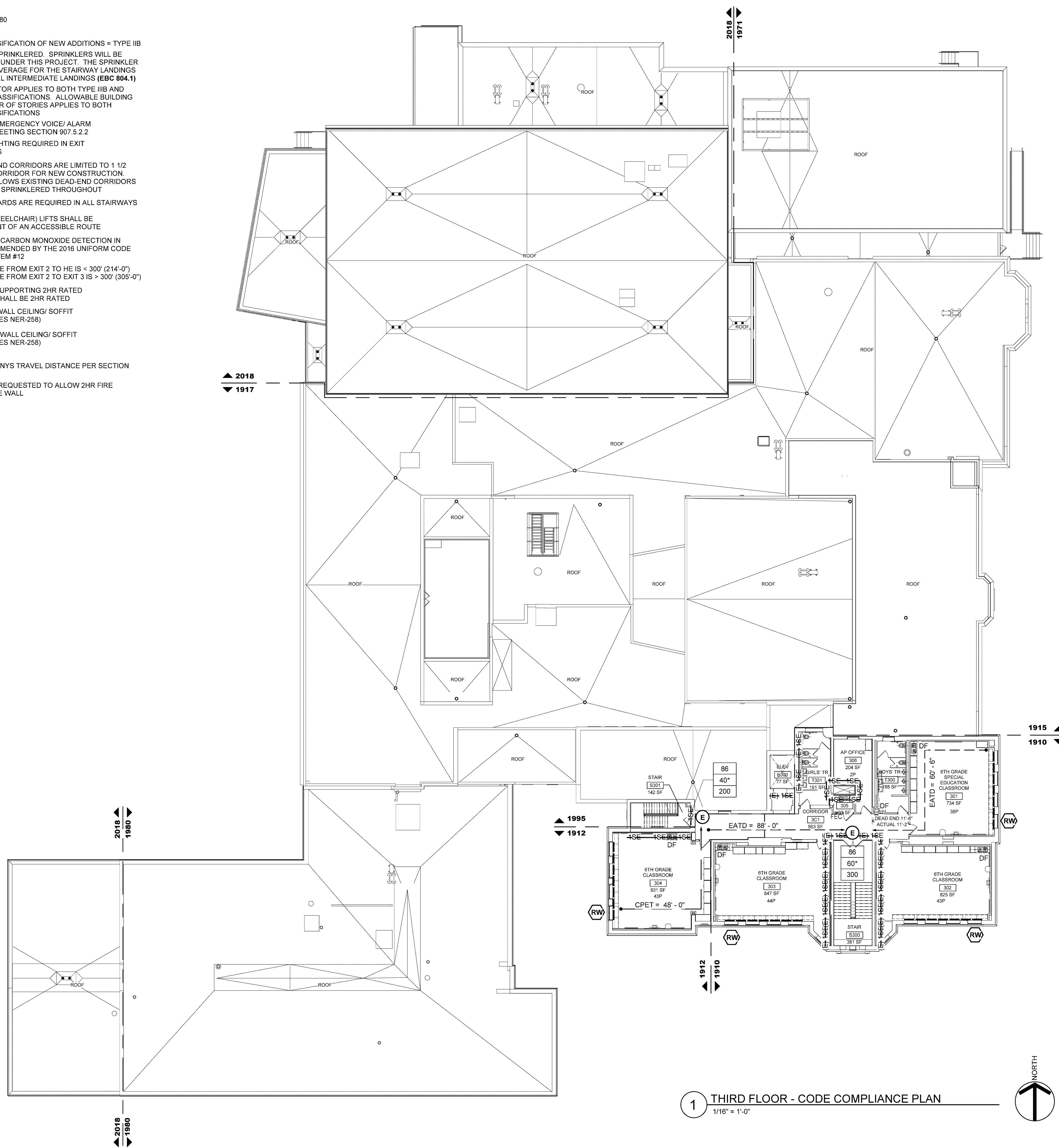
May 6, 2020
Bid Set

CODE COMPLIANCE PLAN LEGEND

- INDICATES FIRE-RESISTANT WALL CONSTRUCTION OF VARIOUS TYPES AND HOURLY RATINGS.
- CPET = X'-X" COMMON PATH OF EGRESS TRAVEL
- EATD = X'-X" EGRESS ACCESS TRAVEL DISTANCE
- MPS = X'-X" SED MPS S103-1(C) CORRIDOR TRAVEL DISTANCE TO EXIT
- (E) EXIT MAINTAIN OPERATIONAL AT ALL TIMES DURING CONSTRUCTION
- (HE) HORIZONTAL EXIT
- ## EXIT LOAD
- ##" CLEAR EXIT WIDTH (INCHES)
- ## EXIT CAPACITY (OCCUPANTS)
- *DENOTES STAIR WIDTH USED IN LIEU OF DOOR(S)
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- ACCESSIBLE ENTRANCE, EXIT OR TOILET ROOM
- (RW) RESCUE WINDOW
- CLASSROOM**
- XXX NAME OF ROOM/SPACE
- XXX SF ROOM/SPACE NUMBER
- XX P FLOOR AREA (SF)
- XX P OCCUPANT LOAD
- CODE COMPLIANCE KEY NOTE

CODE COMPLIANCE KEYNOTES

- EXISTING BUILDING CONSTRUCTION CONSISTS OF MULTIPLE CONSTRUCTION TYPE CLASSIFICATIONS AS FOLLOWS:
TYPE IIA: 1995
TYPE IIB: 1910, 1912, 1971, 1980
TYPE IIB: 1915, 1917, 1920
- CONSTRUCTION TYPE CLASSIFICATION OF NEW ADDITIONS = TYPE IIB
- EXISTING BUILDING IS NOT SPRINKLERED. SPRINKLERS WILL BE ADDED TO ENTIRE BUILDING UNDER THIS PROJECT. THE SPRINKLER SYSTEM SHALL PROVIDE COVERAGE FOR THE STAIRWAY LANDINGS SERVING THE FLOOR AND ALL INTERMEDIATE LANDINGS (EBC 804.1)
- THIS ALLOWABLE AREA FACTOR APPLIES TO BOTH TYPE IIB AND TYPE IIB CONSTRUCTION CLASSIFICATIONS. ALLOWABLE BUILDING HEIGHT IN FEET AND NUMBER OF STORIES APPLIES TO BOTH CONSTRUCTION TYPE CLASSIFICATIONS
- IBC 907.5.2.2 REQUIRES AN EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM MEETING SECTION 907.5.2.2
- EBC 905.2 - EMERGENCY LIGHTING REQUIRED IN EXIT ENCLOSURES AT ALL LEVELS
- SED MPS S107-1(d) - DEAD-END CORRIDORS ARE LIMITED TO 1 1/2 TIMES THE WIDTH OF THE CORRIDOR FOR NEW CONSTRUCTION
- EBC 805.6, EXCEPTION #3 ALLOWS EXISTING DEAD-END CORRIDORS UP TO 70 FEET IN BUILDINGS SPRINKLERED THROUGHOUT
- EBC 805.11 - COMPLIANT GUARDS ARE REQUIRED IN ALL STAIRWAYS
- EBC 705.1.3 - PLATFORM (WHEELCHAIR) LIFTS SHALL BE PERMITTED AS A COMPONENT OF AN ACCESSIBLE ROUTE
- COMPLIANCE WITH IFC 915.3 CARBON MONOXIDE DETECTION IN COMMERCIAL BUILDING AS AMENDED BY THE 2016 UNIFORM CODE SUPPLEMENT, CHAPTER 7, ITEM #12
- CORRIDOR TRAVEL DISTANCE FROM EXIT 2 TO HE IS < 300' (214'-0") CORRIDOR TRAVEL DISTANCE FROM EXIT 3 IS > 300' (305'-0")
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- ADMINISTRATIVE VARIANCE REQUESTED TO ALLOW 2HR FIRE BARRIER IN LIEU OF 2HR FIRE WALL



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S.E.D. CONTROL NUMBERS
26-16-00-01-0-016-020

Drawn By: SL
Checked By: FOI
Project Manager: AMS

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Revisions

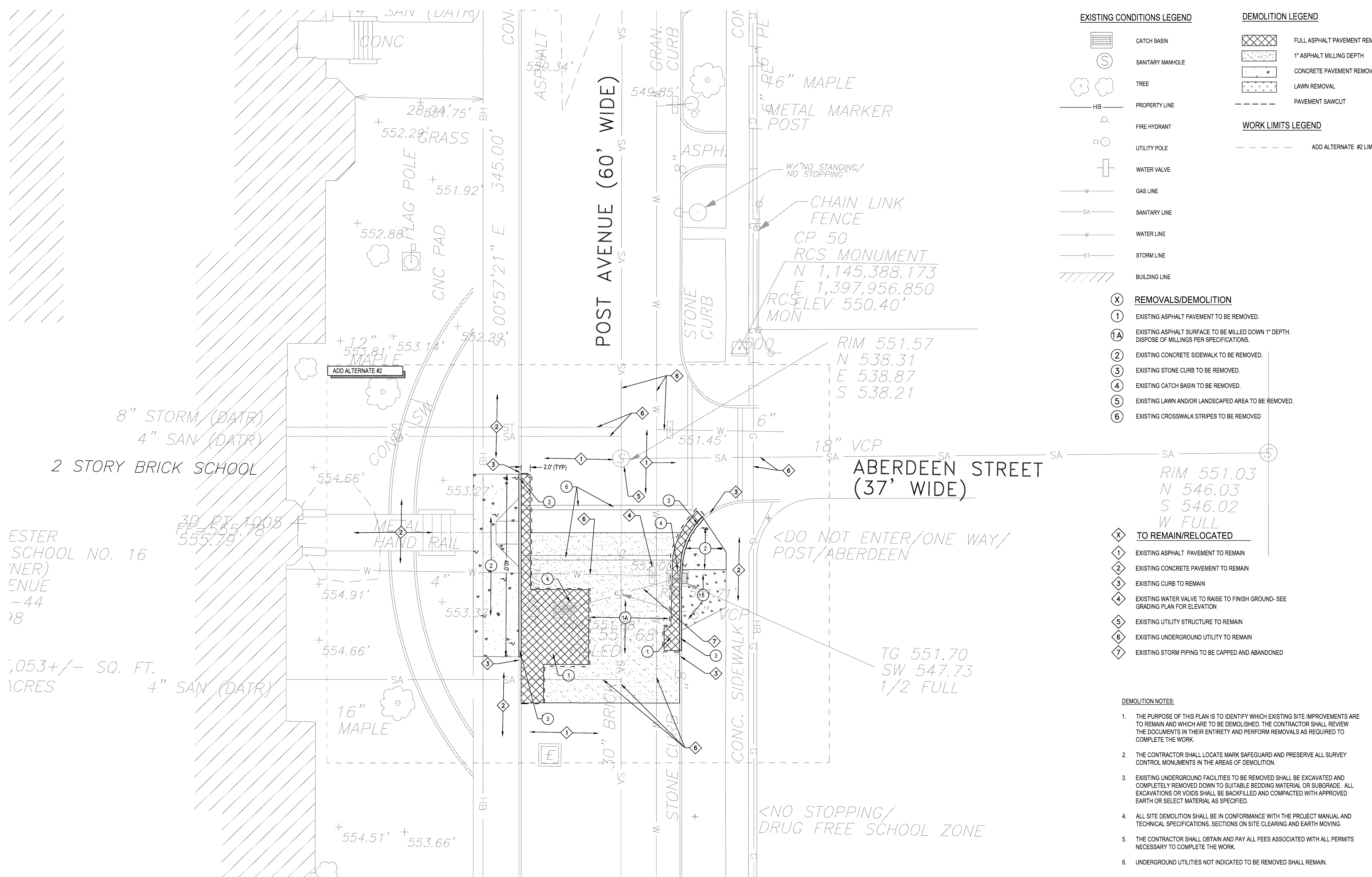
John Walton Spencer
School 16
321 Post Avenue
Rochester, NY 14619
SWBR Project Number 16158.00

Rochester Joint Schools
Construction Board
70 Carlson Street, Suite 200
Rochester, NY 14610

G-005.1
THIRD FLOOR
CODE
COMPLIANCE PLAN

May 6, 2020
Bid Set

FILE PATH: D:\2016\16068 RPC No. 16 Spencer\1B CAD\CIV\16068_demo_plan_cross_supp.dwg May 01, 2020, 12:10pm



ESTER SCHOOL NO. 16
'NER)
ENUE
-44
78

10,053+/- SQ. FT.
ACRES

EXISTING CONDITIONS LEGEND

- CATCH BASIN
- SANITARY MANHOLE
- TREE
- PROPERTY LINE
- FIRE HYDRANT
- UTILITY POLE
- WATER VALVE
- GAS LINE
- SANITARY LINE
- WATER LINE
- STORM LINE
- BUILDING LINE

DEMOLITION LEGEND

- FULL ASPHALT PAVEMENT REMOVAL
- 1' ASPHALT MILLING DEPTH
- CONCRETE PAVEMENT REMOVAL
- LAWN REMOVAL
- PAVEMENT SAWCUT

WORK LIMITS LEGEND

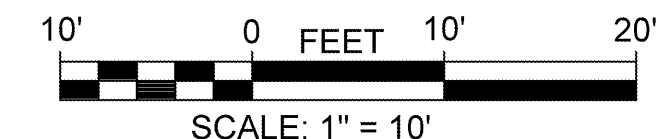
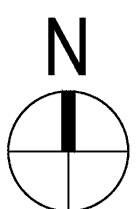
- ADD ALTERNATE #2 LIMITS

- REMOVALS/DEMOLITION**
- 1 EXISTING ASPHALT PAVEMENT TO BE REMOVED.
 - 1A EXISTING ASPHALT SURFACE TO BE MILLED DOWN 1" DEPTH. DISPOSE OF MILLINGS PER SPECIFICATIONS.
 - 2 EXISTING CONCRETE SIDEWALK TO BE REMOVED.
 - 3 EXISTING STONE CURB TO BE REMOVED.
 - 4 EXISTING CATCH BASIN TO BE REMOVED.
 - 5 EXISTING LAWN AND/OR LANDSCAPED AREA TO BE REMOVED.
 - 6 EXISTING CROSSWALK STRIPES TO BE REMOVED.

- TO REMAIN/RELOCATED**
- 1 EXISTING ASPHALT PAVEMENT TO REMAIN
 - 2 EXISTING CONCRETE PAVEMENT TO REMAIN
 - 3 EXISTING CURB TO REMAIN
 - 4 EXISTING WATER VALVE TO RAISE TO FINISH GROUND- SEE GRADING PLAN FOR ELEVATION
 - 5 EXISTING UTILITY STRUCTURE TO REMAIN
 - 6 EXISTING UNDERGROUND UTILITY TO REMAIN
 - 7 EXISTING STORM PIPING TO BE CAPPED AND ABANDONED

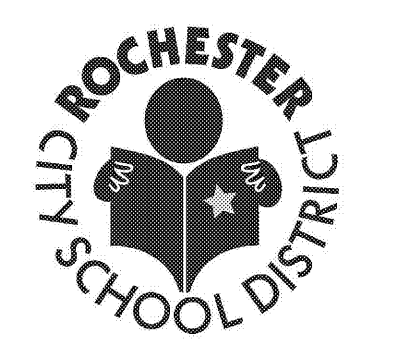
- DEMOLITION NOTES:**
- THE PURPOSE OF THIS PLAN IS TO IDENTIFY WHICH EXISTING SITE IMPROVEMENTS ARE TO REMAIN AND WHICH ARE TO BE DEMOLISHED. THE CONTRACTOR SHALL REVIEW THE DOCUMENTS IN THEIR ENTIRETY AND PERFORM REMOVALS AS REQUIRED TO COMPLETE THE WORK.
 - THE CONTRACTOR SHALL LOCATE MARK SAFEGUARD AND PRESERVE ALL SURVEY CONTROL MONUMENTS IN THE AREAS OF DEMOLITION.
 - EXISTING UNDERGROUND FACILITIES TO BE REMOVED SHALL BE EXCAVATED AND COMPLETELY REMOVED DOWN TO SUITABLE BEDDING MATERIAL OR SUBGRADE. ALL EXCAVATIONS OR VOIDS SHALL BE BACKFILLED AND COMPACTED WITH APPROVED EARTH OR SELECT MATERIAL AS SPECIFIED.
 - ALL SITE DEMOLITION SHALL BE IN CONFORMANCE WITH THE PROJECT MANUAL AND TECHNICAL SPECIFICATIONS, SECTIONS ON SITE CLEARING AND EARTH MOVING.
 - THE CONTRACTOR SHALL OBTAIN AND PAY ALL FEES ASSOCIATED WITH ALL PERMITS NECESSARY TO COMPLETE THE WORK.
 - UNDERGROUND UTILITIES NOT INDICATED TO BE REMOVED SHALL REMAIN.

1 CIVIL DEMO PLAN
SCALE: 1"=10'-0"



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S.E.D. CONTROL NUMBERS
26-16-00-01-0-016-020

Drawn By: HN
Checked By: K/JW
Project Manager: K/JW

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Revisions

NO.	DESCRIPTION

John Walton Spencer
School 16
321 Post Avenue
Rochester, NY 14619
SWBR Project Number 16158.00

Rochester Joint Schools
Construction Board
70 Carlton Street, Suite 200
Rochester, NY 14610

C-100.1
CIVIL SITE
DEMOLITION PLAN

May 6, 2020
Bid Set

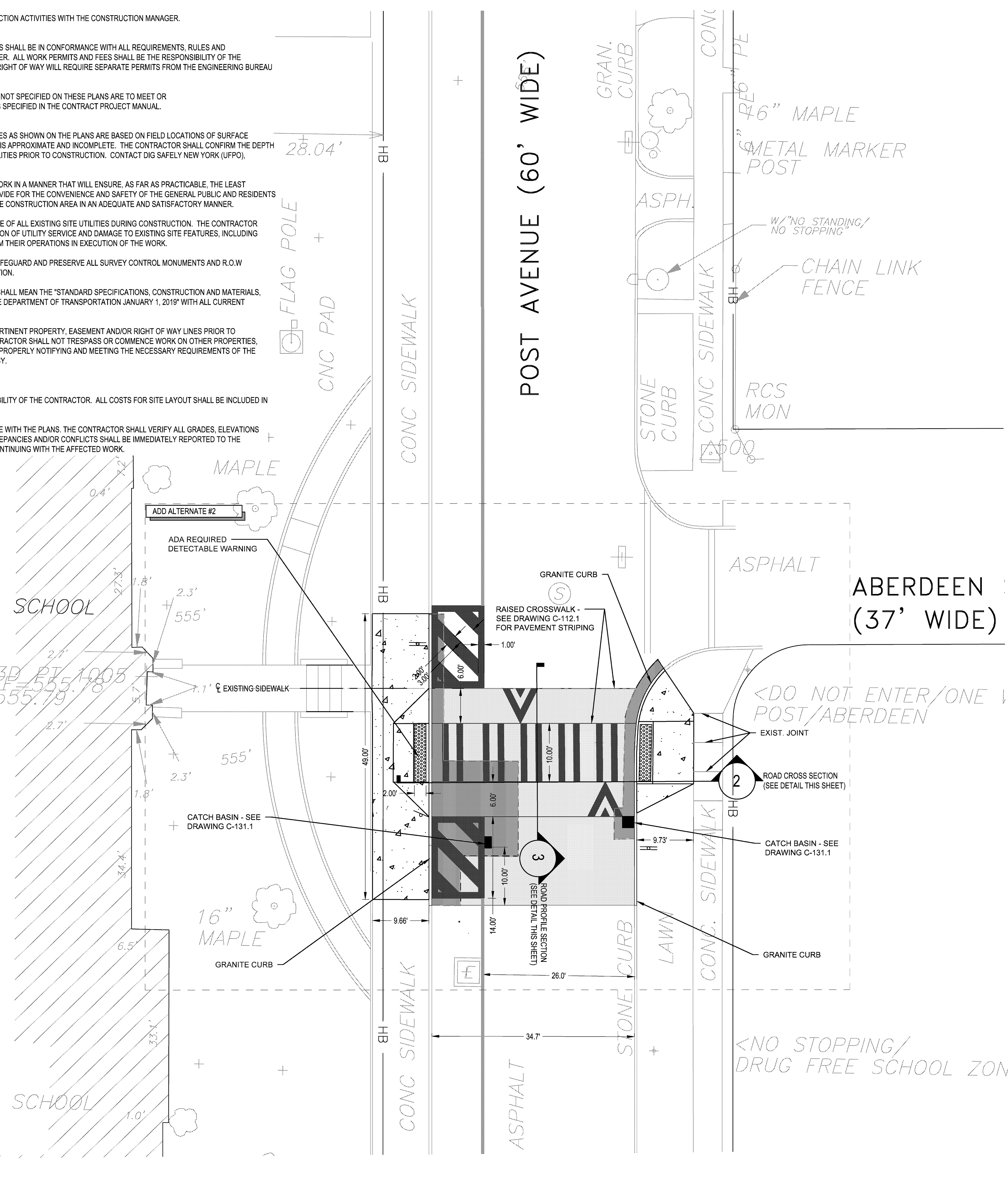
GENERAL SITE WORK NOTES

- COORDINATE START-UP AND ALL CONSTRUCTION ACTIVITIES WITH THE CONSTRUCTION MANAGER.
- ALL CONSTRUCTION IN CITY RIGHT-OF-WAYS SHALL BE IN CONFORMANCE WITH ALL REQUIREMENTS, RULES AND SPECIFICATIONS OF THE CITY OF ROCHESTER. ALL WORK PERMITS AND FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY WORK IN CITY PUBLIC RIGHT OF WAY WILL REQUIRE SEPARATE PERMITS FROM THE ENGINEERING BUREAU PERMIT OFFICE; ROOM 222B.
- CONSTRUCTION METHODS AND MATERIALS NOT SPECIFIED ON THESE PLANS ARE TO MEET OR EXCEED THE STANDARD SPECIFICATIONS AS SPECIFIED IN THE CONTRACT PROJECT MANUAL.
- THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE BASED ON FIELD LOCATIONS OF SURFACE STRUCTURES AND/OR RECORD PLANS AND IS APPROXIMATE AND INCOMPLETE. THE CONTRACTOR SHALL CONFIRM THE DEPTH AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. CONTACT DIG SAFELY NEW YORK (JFPO), 1-800-962-7962.
- THE CONTRACTOR SHALL CONDUCT THE WORK IN A MANNER THAT WILL ENSURE, AS FAR AS PRACTICABLE, THE LEAST OBSTRUCTION TO TRAFFIC AND SHALL PROVIDE FOR THE CONVENIENCE AND SAFETY OF THE GENERAL PUBLIC AND RESIDENTS ALONG AND ADJACENT TO HIGHWAYS IN THE CONSTRUCTION AREA IN AN ADEQUATE AND SATISFACTORY MANNER.
- THE CONTRACTOR SHALL MAINTAIN SERVICE OF ALL EXISTING SITE UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DISRUPTION OF UTILITY SERVICE AND DAMAGE TO EXISTING SITE FEATURES, INCLUDING UNDERGROUND UTILITIES, RESULTING FROM THEIR OPERATIONS IN EXECUTION OF THE WORK.
- THE CONTRACTOR SHALL LOCATE MARK SAFEGUARD AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND R.O.W MONUMENTS IN THE AREAS OF CONSTRUCTION.
- REFERENCES TO N.Y.S.D.O.T. STANDARDS SHALL MEAN THE STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS, OFFICE OF ENGINEERING, NEW YORK STATE DEPARTMENT OF TRANSPORTATION JANUARY 1, 2019 WITH ALL CURRENT ADDENDUM.
- THE CONTRACTOR SHOULD LOCATE ALL PERTINENT PROPERTY, EASEMENT AND/OR RIGHT OF WAY LINES PRIOR TO COMMENCEMENT OF THE WORK. THE CONTRACTOR SHALL NOT TRESPASS OR COMMENCE WORK ON OTHER PROPERTIES, EASEMENTS, OR RIGHT OF WAYS WITHOUT PROPERLY NOTIFYING AND MEETING THE NECESSARY REQUIREMENTS OF THE PROPERTY OWNER OR AUTHORIZED AGENCY.

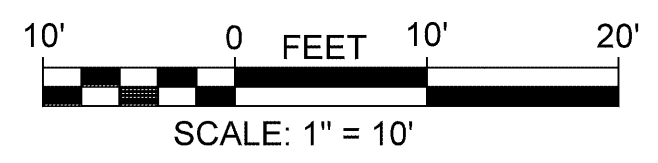
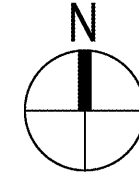
SITE LAYOUT NOTES:

- ALL SITE LAYOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL COSTS FOR SITE LAYOUT SHALL BE INCLUDED IN THE CONTRACT PRICE.
- ALL SITE LAYOUT SHALL BE IN ACCORDANCE WITH THE PLANS. THE CONTRACTOR SHALL VERIFY ALL GRADES, ELEVATIONS AND DIMENSIONS IN THE FIELD. ANY DISCREPANCIES AND/OR CONFLICTS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT FOR RESOLUTION PRIOR TO CONTINUING WITH THE AFFECTED WORK.

FILE PATH: D:\2016\16068 RPC No. 16 Spencer\1B CAD\DW\16068_site_plan_cross.dwg May 01, 2020, 12:56pm



1 CIVIL SITE PLAN
SCALE: 1"=10'-0"



EXISTING CONDITIONS LEGEND

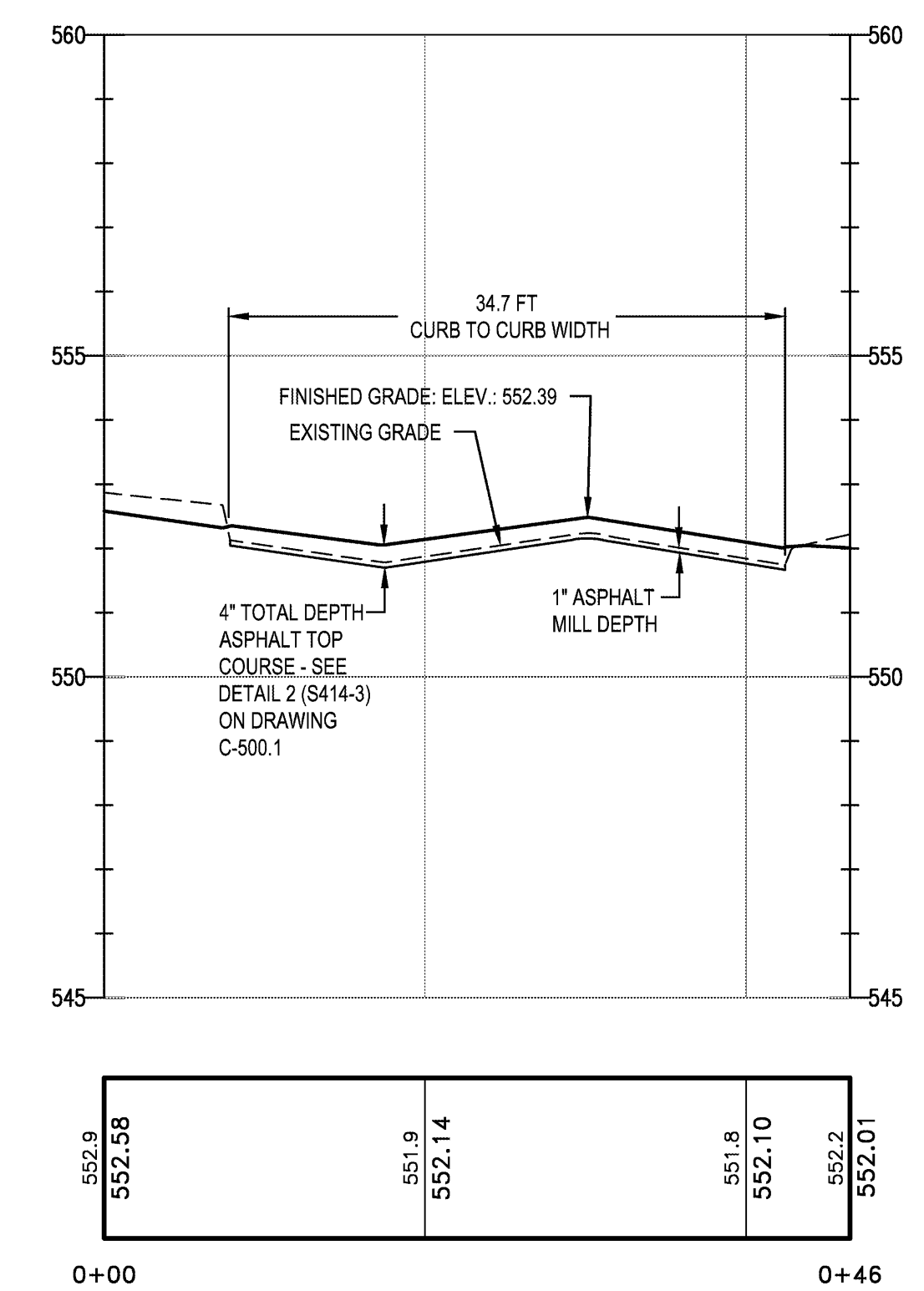
- CATCH BASIN
- SANITARY MANHOLE
- TREE
- PROPERTY LINE
- FIRE HYDRANT
- UTILITY POLE
- WATER VALVE

PROPOSED SITE LEGEND

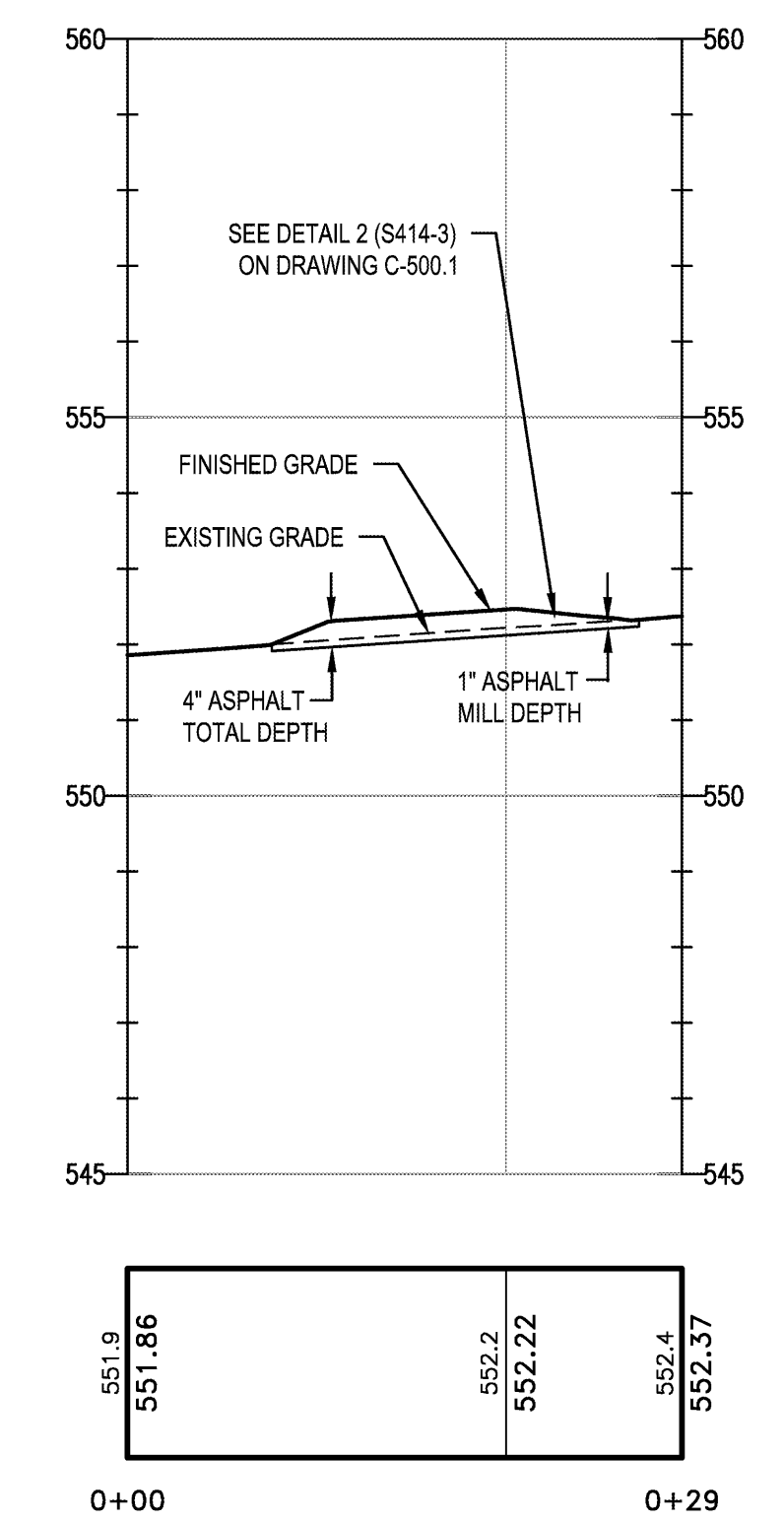
- CONCRETE SIDEWALK
- ASPHALT PAVEMENT 1.0" DEPTH TOP COURSE
- FULL DEPTH ASPHALT PAVEMENT SEE DETAIL 8 / C-500.1
- DETECTABLE WARNING SYSTEM
- NEW TRAFFIC SIGN - SEE DWG C-111.1

WORK LIMITS LEGEND

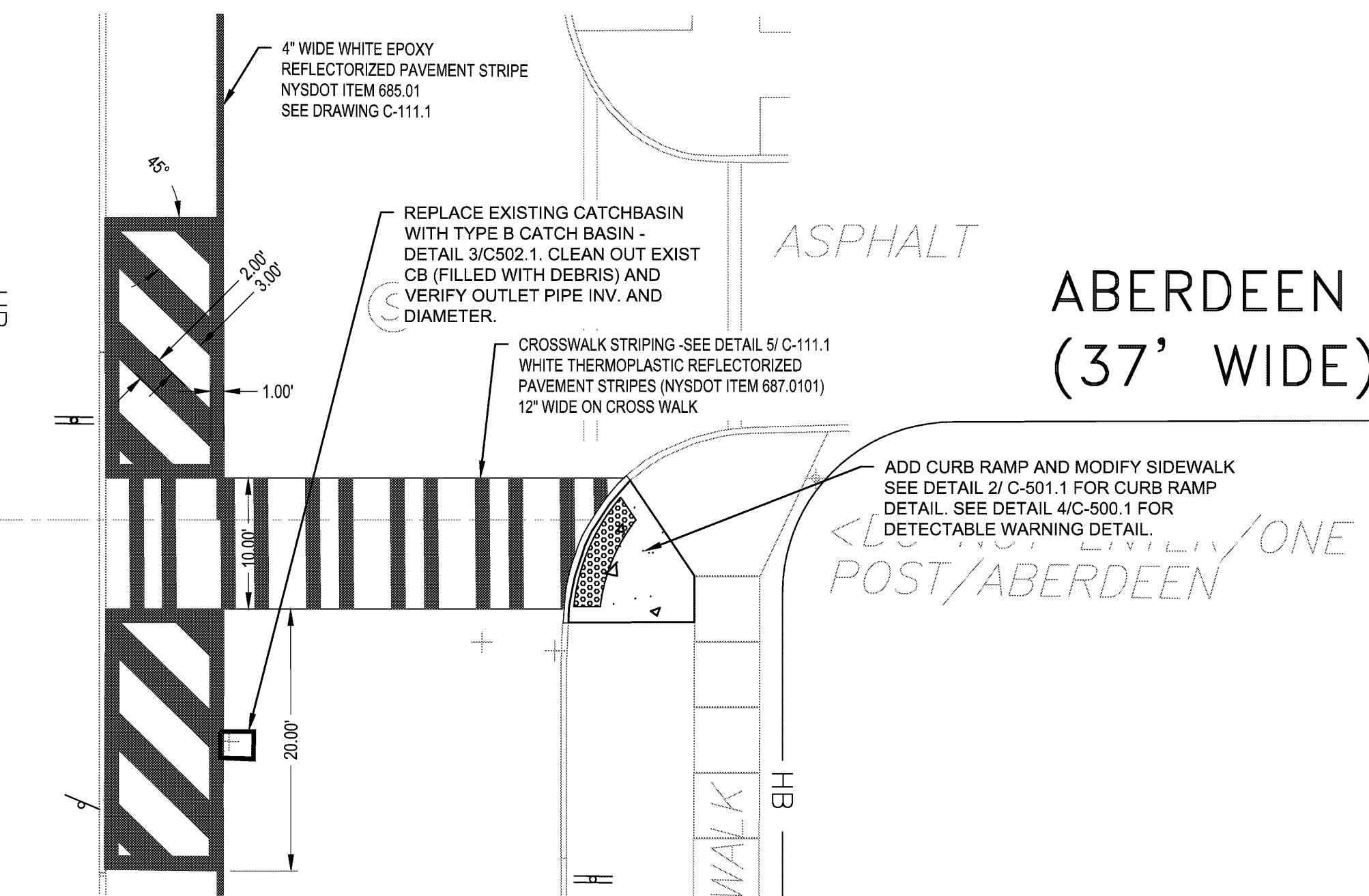
- ADD ALTERNATE #2 LIMITS



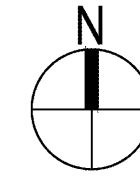
2 ADD ALTERNATE 2 - ROAD CROSS SECTION
SCALE: 1" = 10'H; 1"=2.5'V



3 ADD ALTERNATE 2 - ROAD PROFILE SECTION
SCALE: 1" = 10'H; 1"=2.5'V

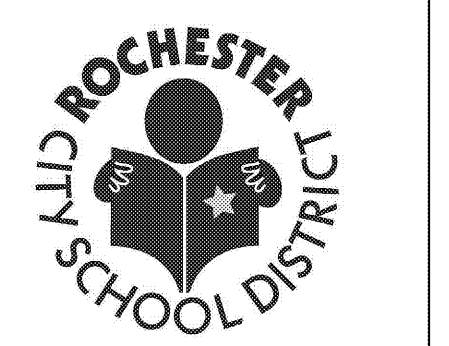


4 BASE BID - ADA RAMP
SCALE: 1"=10'-0"



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S.E.D. CONTROL NUMBERS
26-16-00-01-0-016-020

Drawn By: HN
Checked By: KJW
Project Manager: KJW

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Revisions

NO.	DATE	DESCRIPTION

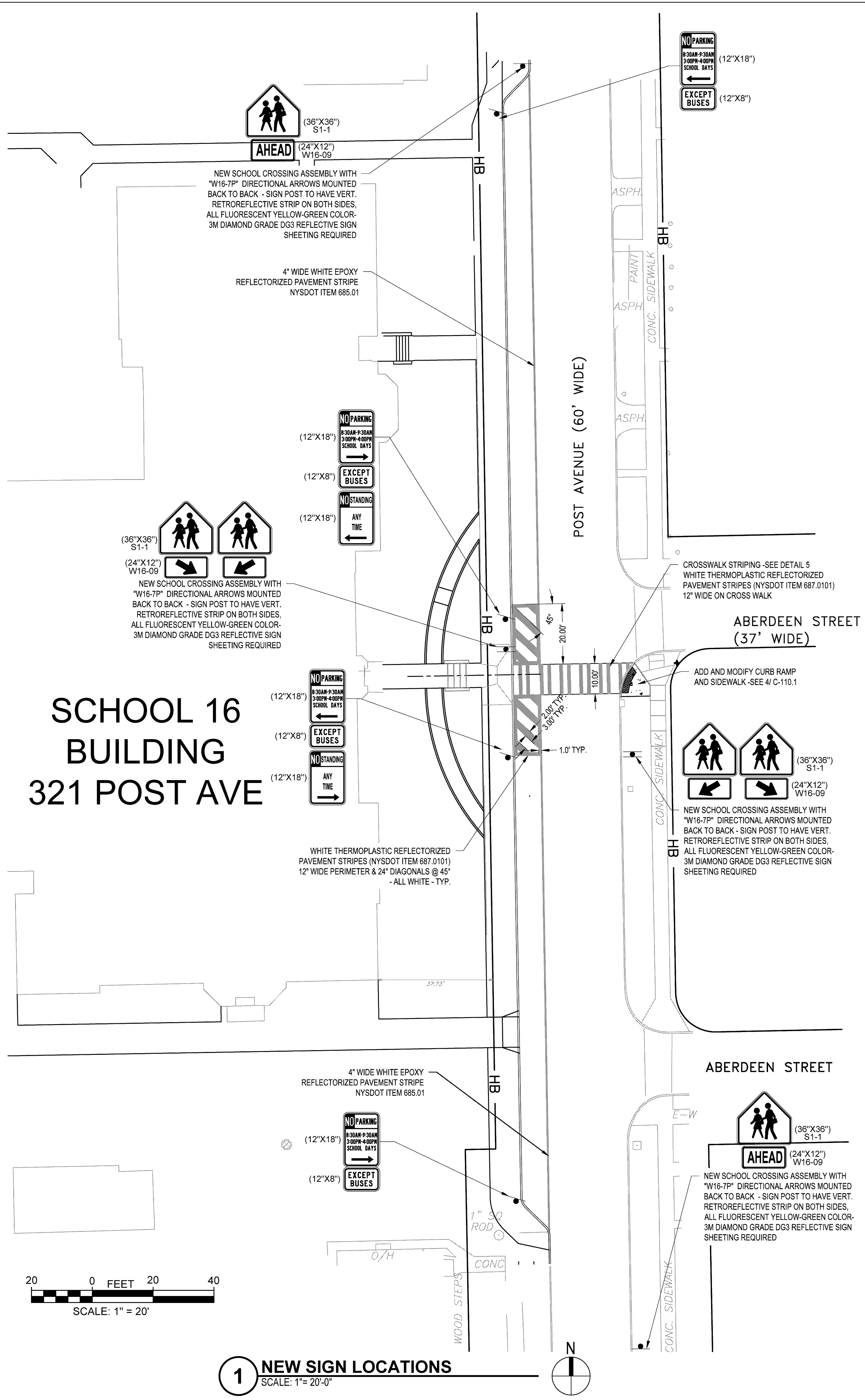
John Walton Spencer
School 16
321 Post Avenue
Rochester, NY 14619
SWBR Project Number 16158.00

Rochester Joint Schools Construction Board
70 Carlson Street, Suite 200
Rochester, NY 14610

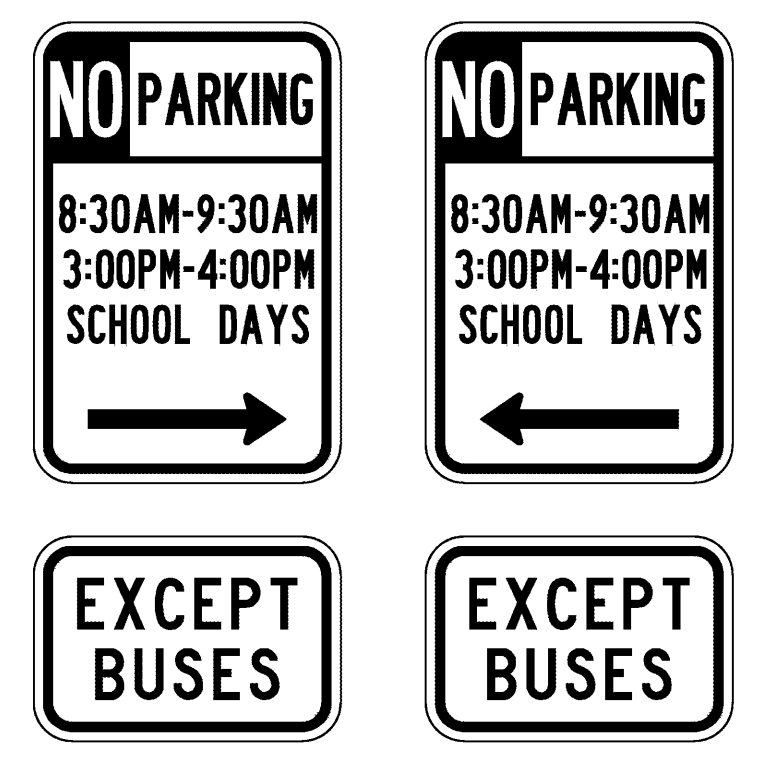
C-110.1
CIVIL SITE PLAN

May 6, 2020
Bid Set

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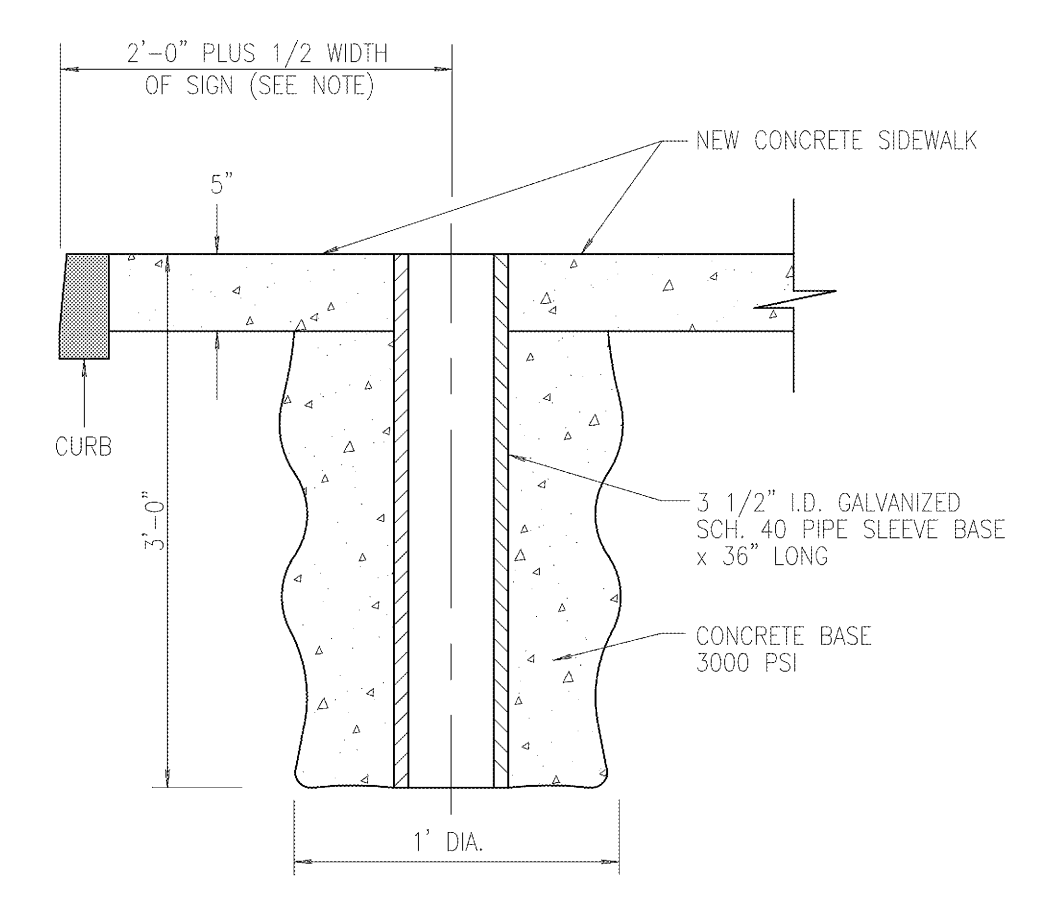
1 NEW SIGN LOCATIONS
 SCALE: 1" = 20'-0"



- NOTES:
1. NO PARKING SIGNS ARE "NYP1-4 MOD." FROM THE NYS SUPPLEMENT TO THE 2009 MUTCD. HOURS AND DAYS TO MATCH INFORMATION ON THIS DETAIL.
 2. EXCEPT BUSES SIGNS ARE "NYP3-3P MOD." FROM THE NYS SUPPLEMENT TO THE 2009 MUTCD. INFORMATION TO MATCH THIS DETAIL.
 3. SIGNS ARE TO BE INSTALLED PER MCDOT DETAILS ON THIS PLAN.
 4. BOTTOM OF SIGN TO BE 7'-0" ABOVE GRADE.
 5. CONTRACTOR TO COORDINATE EXACT SIGN LOCATIONS WITH MCDOT RUBEN CRUZ - 585-763-7722.
 6. SEE NEW SIGN PLAN FOR NO PARKING ARROW DIRECTION.

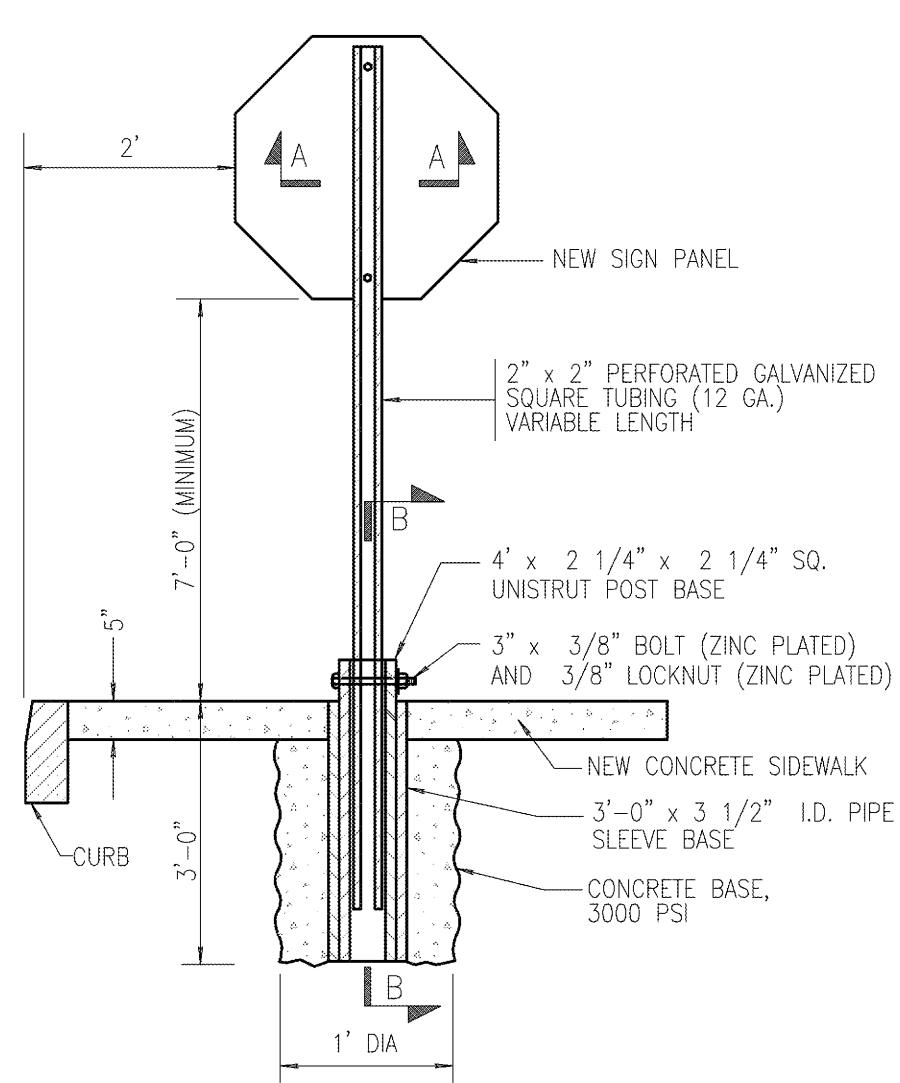
2 NO PARKING SIGNS
 SCALE: NOT TO SCALE

NOTE:
 IF THERE IS ANY QUESTIONS REGARDING THE FINAL ACCEPTABLE LOCATION FOR A SIGN SLEEVE, PLEASE CALL MONROE COUNTY DOT AT 753-7750 AND REQUEST ASSISTANCE.

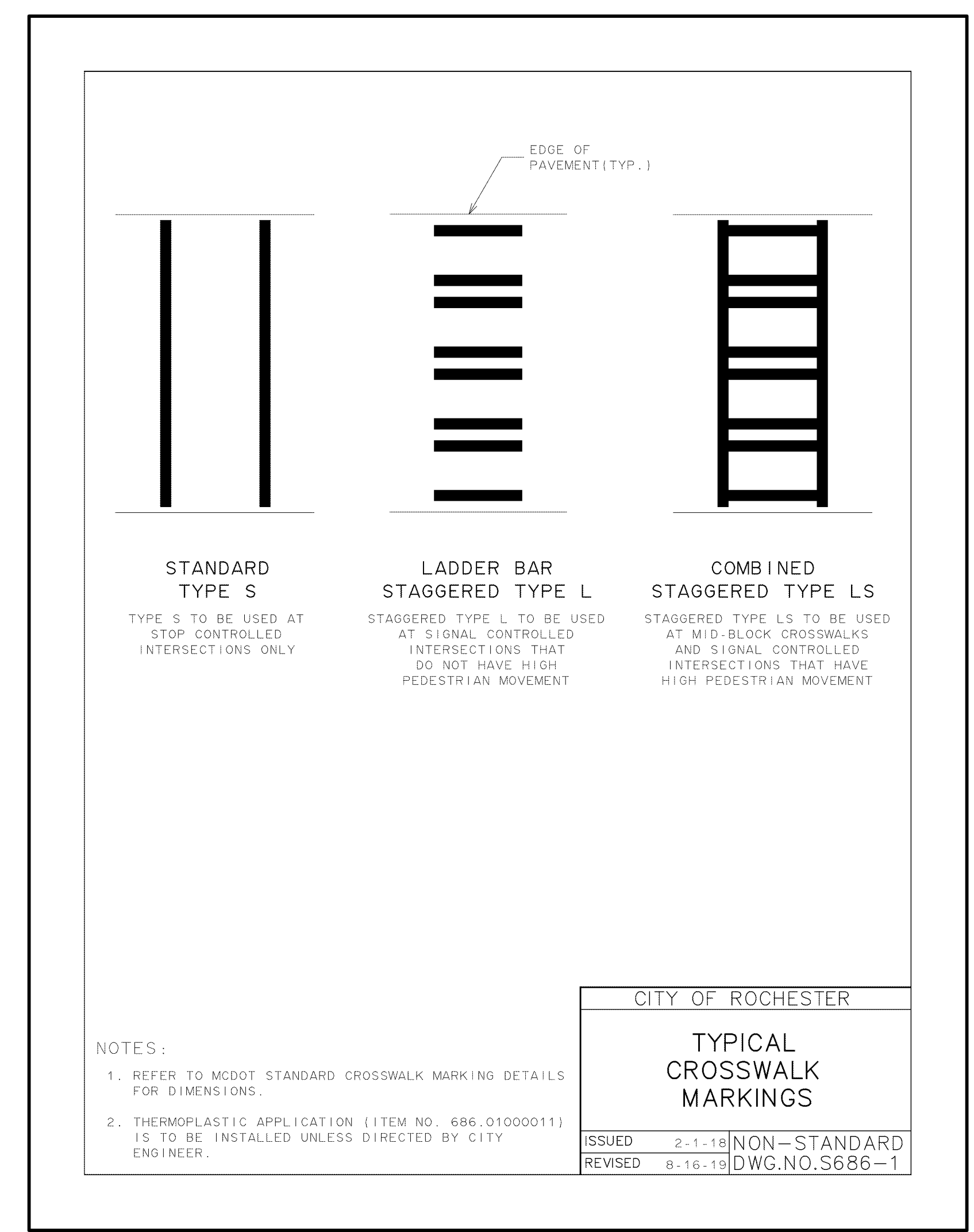


3 SIGN POST SLEEVE BASE INSTALLATION
 NOT TO SCALE

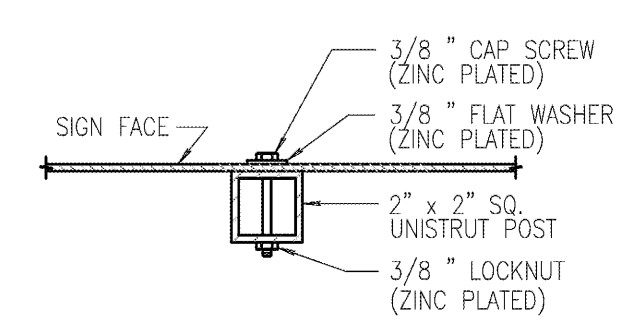
12/19/13
 REVISED



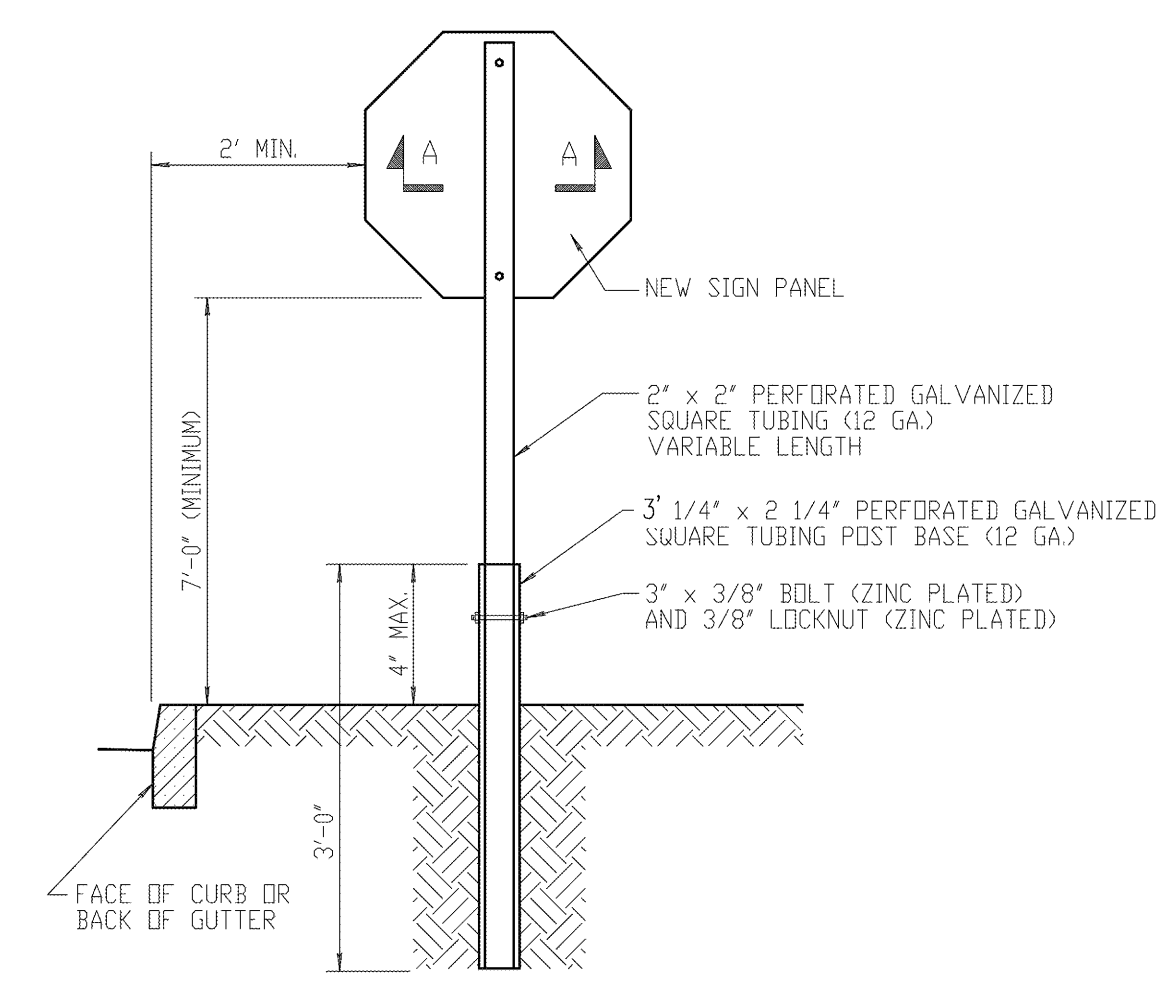
4 POST MOUNTED SIGN INSTALLATION IN CONCRETE
 NOT TO SCALE



5 CITY OF ROCHESTER TYPICAL CROSSWALK MARKINGS
 SCALE: NOT TO SCALE



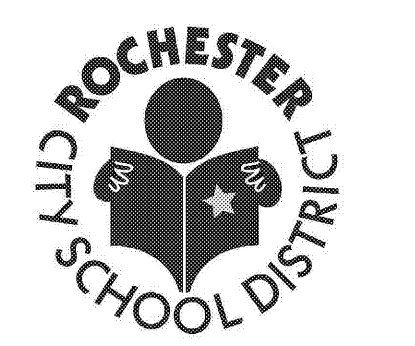
SECTION A - A
 NOT TO SCALE



6 POST MOUNTED SIGN INSTALLATION IN SOIL WITH CURB OR GUTTER
 NOT TO SCALE

12/12/13
 REVISED

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Drawn By: HN
 Checked By: KJW
 Project Manager: KJW

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Revisions

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 SWBR Project Number 16158.00

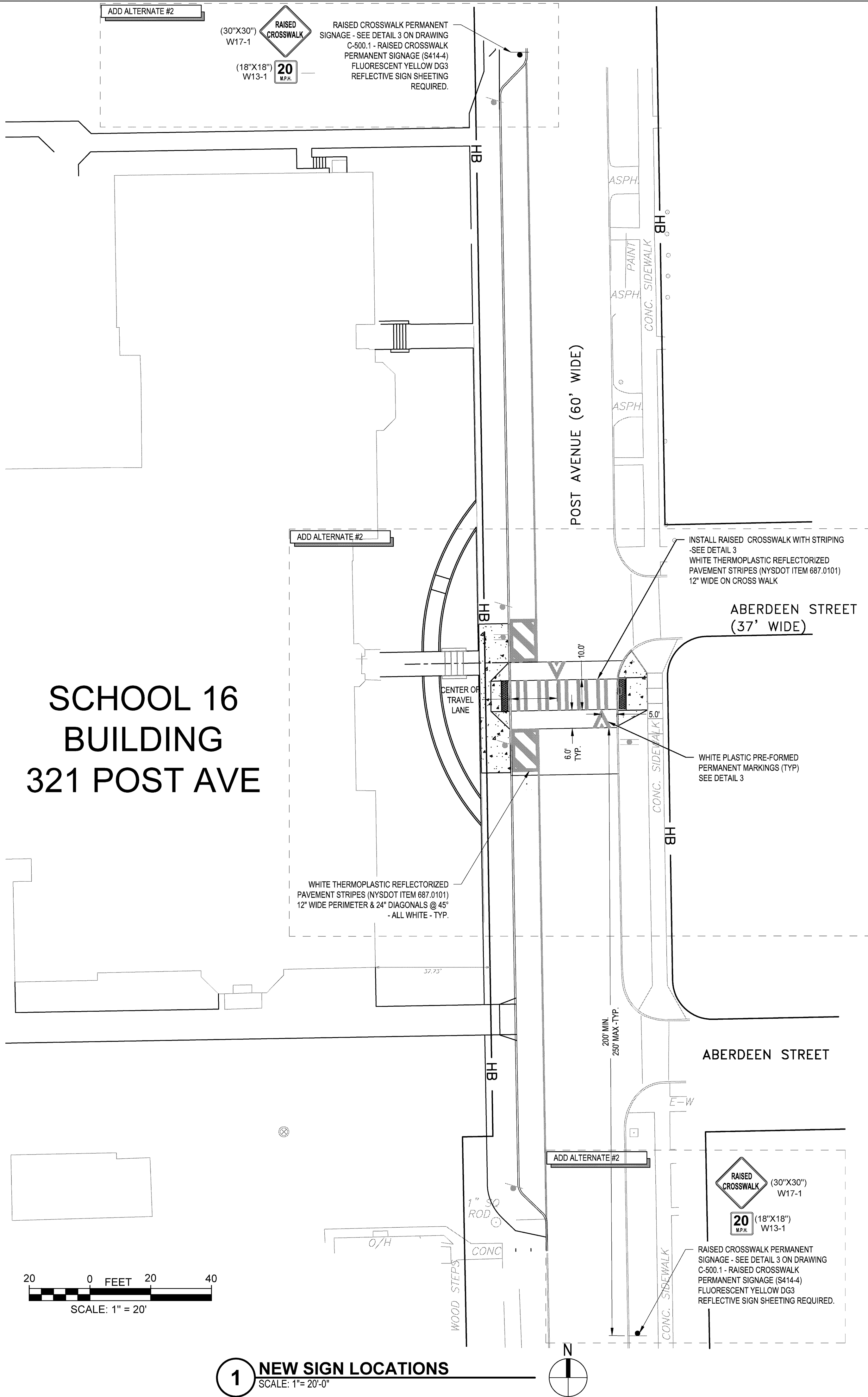
Rochester Joint Schools
 Construction Board
 70 Carlson Street, Suite 200
 Rochester, NY 14610

C-111.1
 CIVIL SITE SIGN PLAN

May 6, 2020
 Bid Set

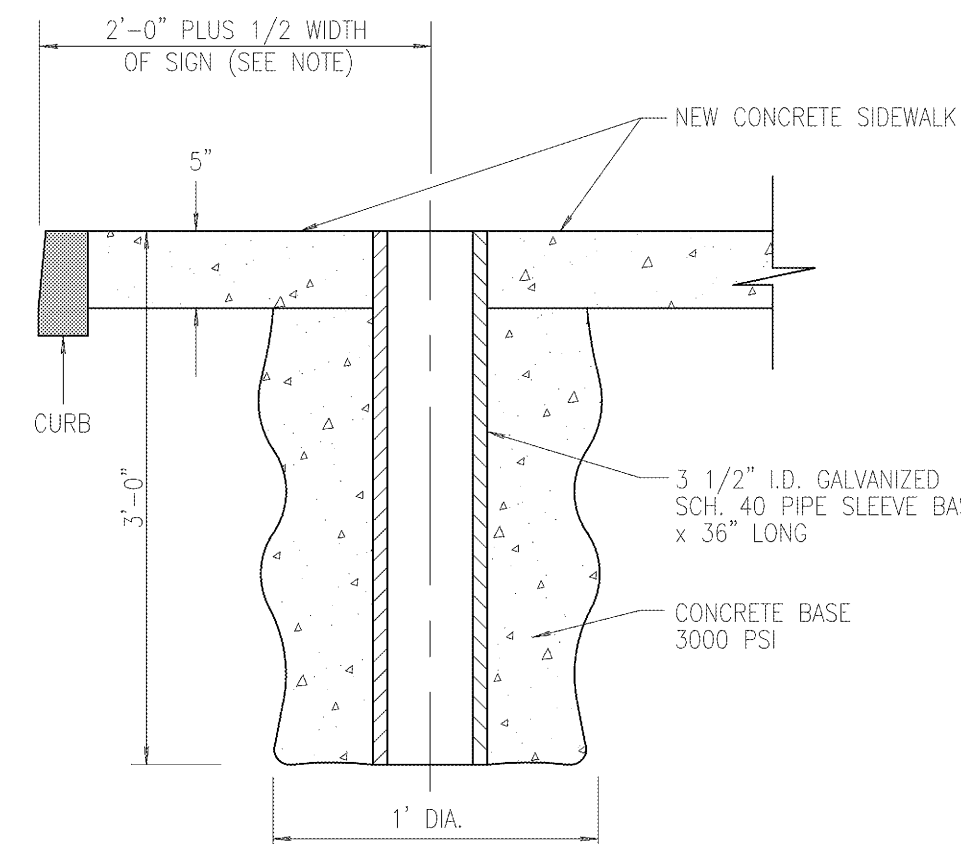
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SCHOOL 16 BUILDING 321 POST AVE



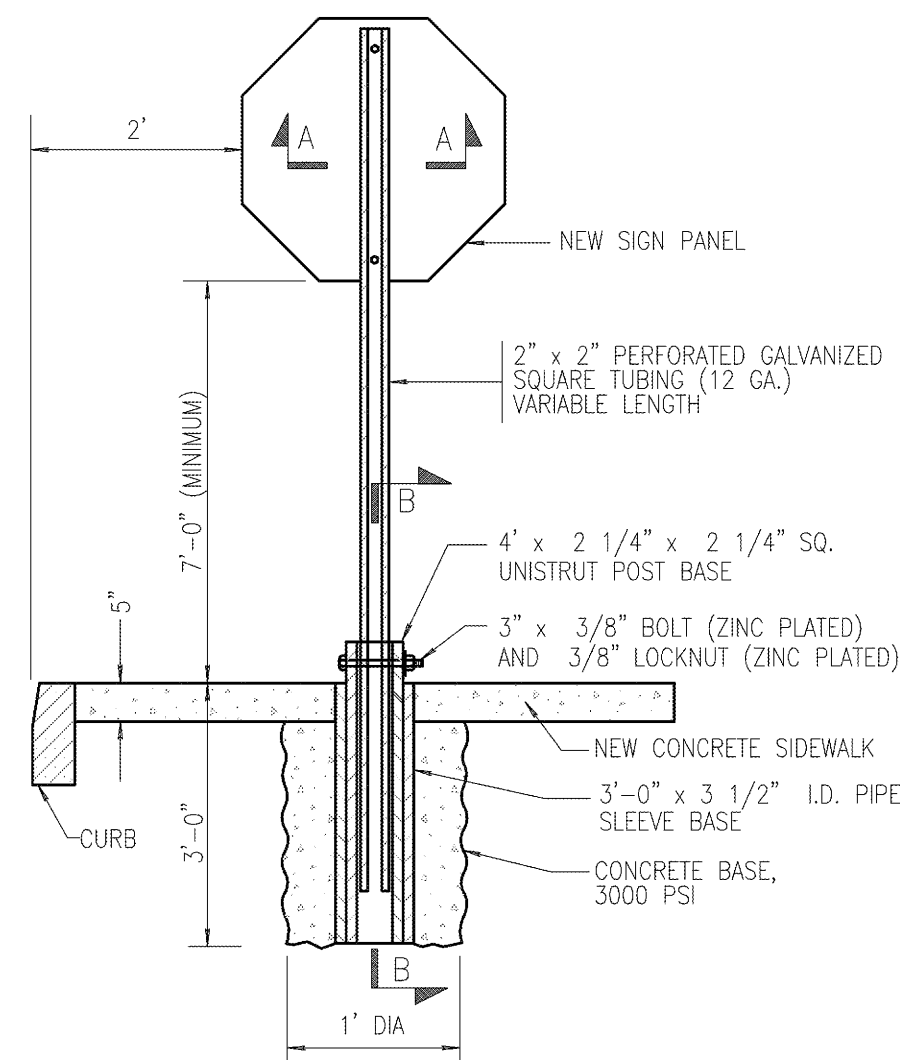
1 NEW SIGN LOCATIONS
SCALE: 1" = 20'-0"

NOTE:
IF THERE IS ANY QUESTIONS REGARDING THE FINAL ACCEPTABLE LOCATION FOR A SIGN SLEEVE, PLEASE CALL MONROE COUNTY DOT AT 753-7750 AND REQUEST ASSISTANCE.

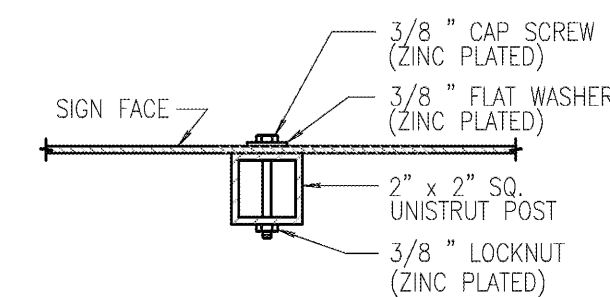


2 SIGN POST SLEEVE BASE INSTALLATION
NOT TO SCALE

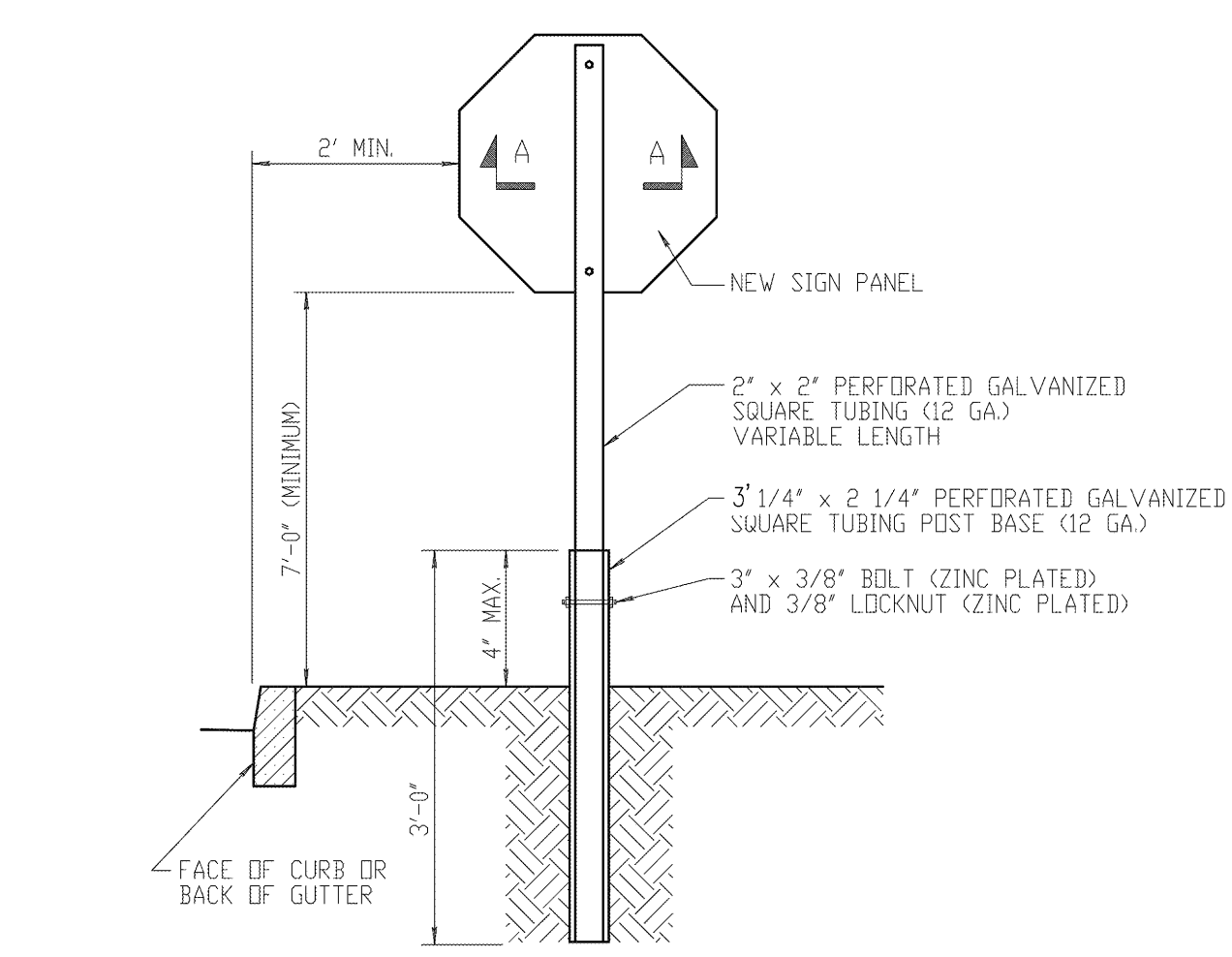
12/19/13
REVISED



4 POST MOUNTED SIGN INSTALLATION IN CONCRETE
NOT TO SCALE



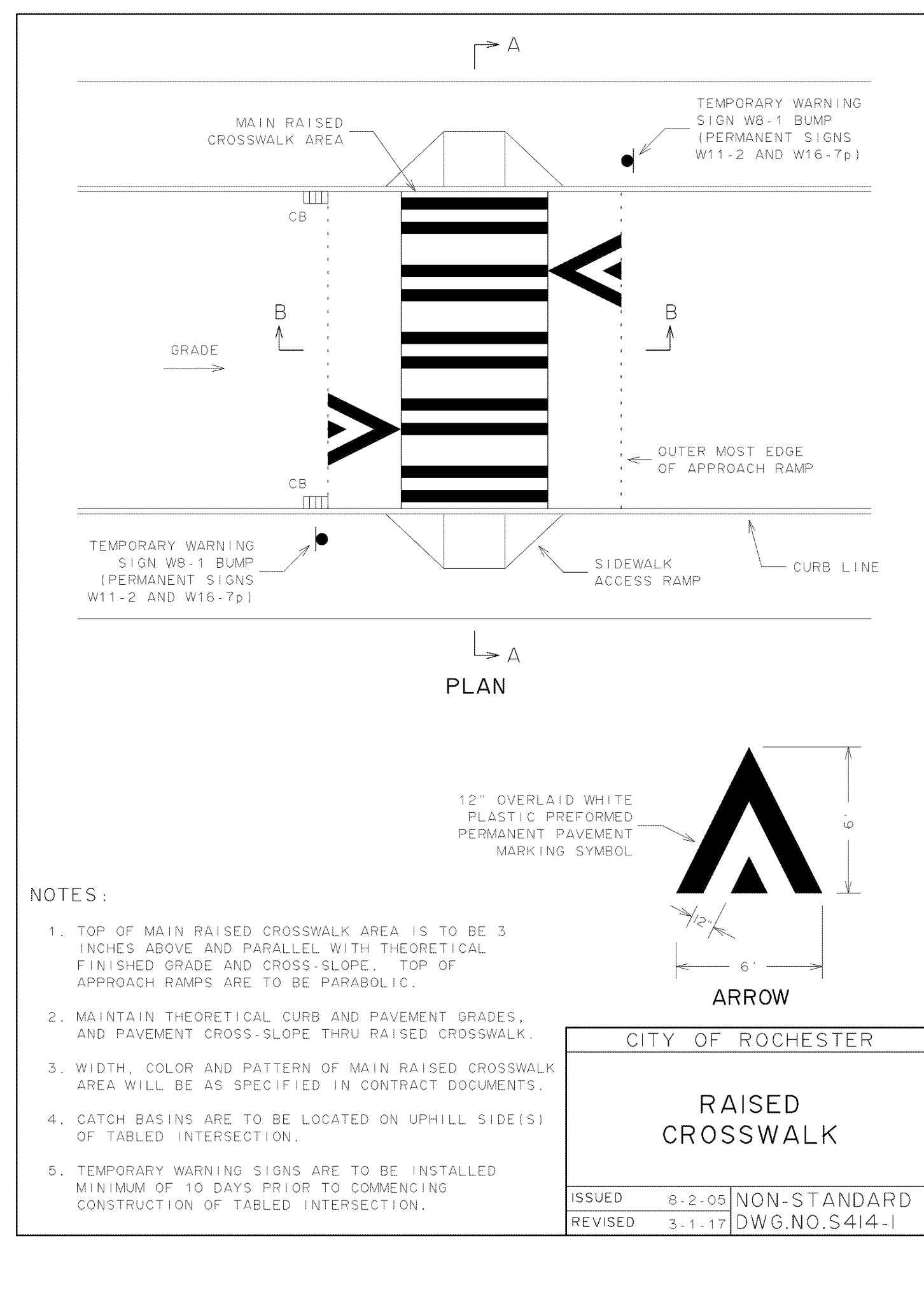
SECTION A - A
NOT TO SCALE



5 POST MOUNTED SIGN INSTALLATION IN SOIL WITH CURB OR GUTTER
NOT TO SCALE

12/12/13
REVISED

3 ADD ALTERNATE 2 - RAISED CROSSWALK
SCALE: NOT TO SCALE

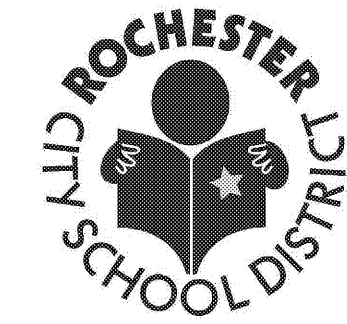


NOTES:

- TOP OF MAIN RAISED CROSSWALK AREA IS TO BE 3 INCHES ABOVE AND PARALLEL WITH THEORETICAL FINISHED GRADE AND CROSS-SLOPE. TOP OF APPROACH RAMP ARE TO BE PARABOLIC.
- MAINTAIN THEORETICAL CURB AND PAVEMENT GRADES, AND PAVEMENT CROSS-SLOPE THRU RAISED CROSSWALK.
- WIDTH, COLOR AND PATTERN OF MAIN RAISED CROSSWALK AREA WILL BE AS SPECIFIED IN CONTRACT DOCUMENTS.
- CATCH BASINS ARE TO BE LOCATED ON UPHILL SIDE(S) OF TABLED INTERSECTION.
- TEMPORARY WARNING SIGNS ARE TO BE INSTALLED MINIMUM OF 10 DAYS PRIOR TO COMMENCING CONSTRUCTION OF TABLED INTERSECTION.

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S.E.D. CONTROL NUMBERS
26-16-00-01-0-016-020

Drawn By: HN
Checked By: KJW
Project Manager: KJW

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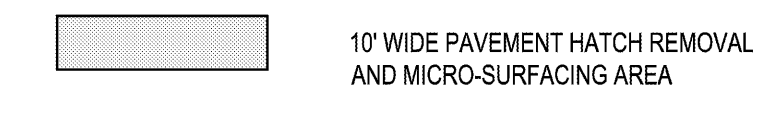
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C-112.1
CIVIL SITE SIGN PLAN

May 6, 2020
Bid Set

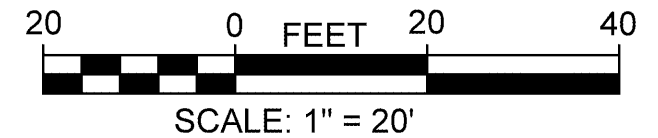
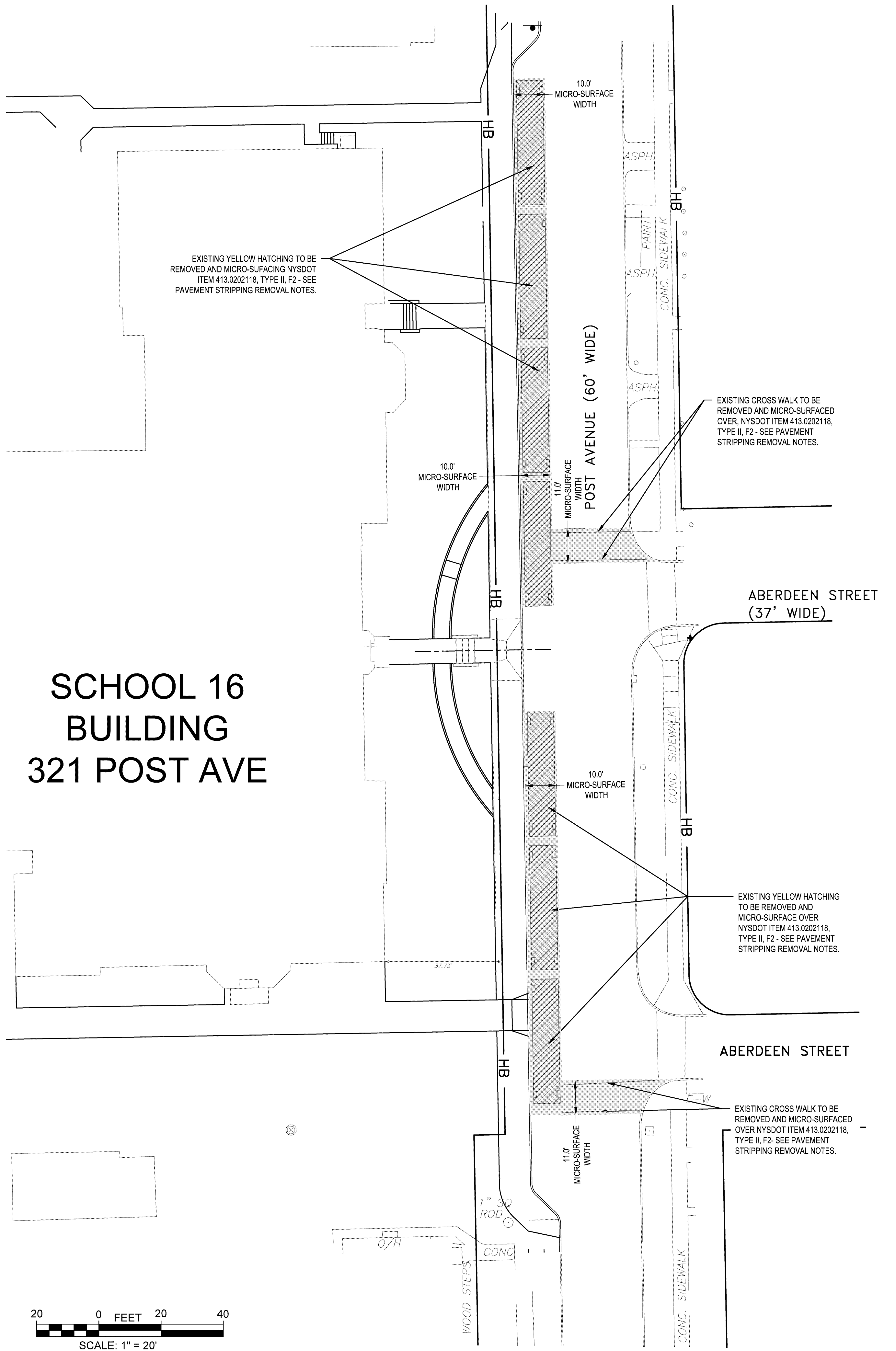
SCHOOL 16
BUILDING
321 POST AVE

PAVEMENT HATCHING REMOVAL LEGEND



PAVEMENT STRIPPING REMOVAL NOTES:

1. PRIOR TO APPLYING MICRO-SURFACING, CONTRACTOR SHALL SCARIFY PAVEMENT WITH SCARIFIER OR ALTERNATIVE APPROVED METHOD.



1 PAVEMENT STRIPING REMOVAL PLAN
SCALE: 1" = 20'-0"

S.E.D. CONTROL NUMBERS
26-16-00-01-0-016-020

Drawn By: HN
Checked By: KJW
Project Manager: KJW

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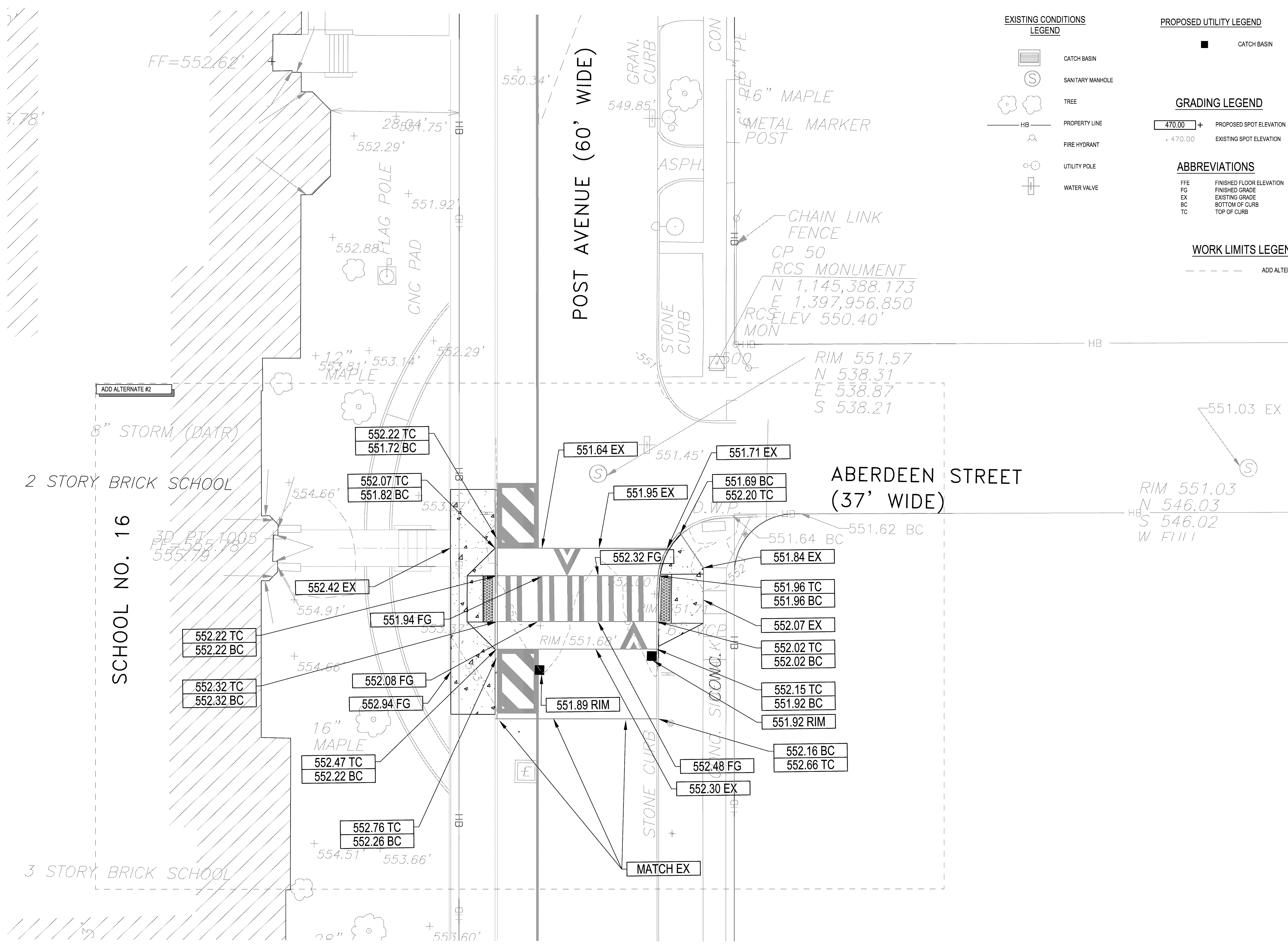
**Rochester Joint Schools
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Rochester, NY 14610

C-113.1
PAVEMENT STRIPING
REMOVAL PLAN

May 6, 2020
Bid Set

D:\2016\160668 RPC No. 16 Spencer\1B_CADD\Civil\16068_sign_plan_cross.dwg
FILE PATH: May 01, 2020, 12:23pm

FILE PATH: D:\2016\16068 RPC No. 16 Spencer\18 CAD\CIV\16068_grad_plan_cross.dwg
 May 01, 2020, 12:14pm



- EXISTING CONDITIONS LEGEND**
- CATCH BASIN
 - SANITARY MANHOLE
 - TREE
 - PROPERTY LINE
 - FIRE HYDRANT
 - UTILITY POLE
 - WATER VALVE

- PROPOSED UTILITY LEGEND**
- CATCH BASIN
- GRADING LEGEND**
- PROPOSED SPOT ELEVATION
 - EXISTING SPOT ELEVATION

- ABBREVIATIONS**
- FFE FINISHED FLOOR ELEVATION
 - FG FINISHED GRADE
 - EX EXISTING GRADE
 - BC BOTTOM OF CURB
 - TC TOP OF CURB

- WORK LIMITS LEGEND**
- ADD ALTERNATE #2 LIMITS

1 CIVIL SITE GRADING PLAN
 SCALE: 1"=10'-0"
 10' 0 FEET 10' 20'
 SCALE: 1" = 10'

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Drawn By: HN
Checked By: KJW
Project Manager: KJW

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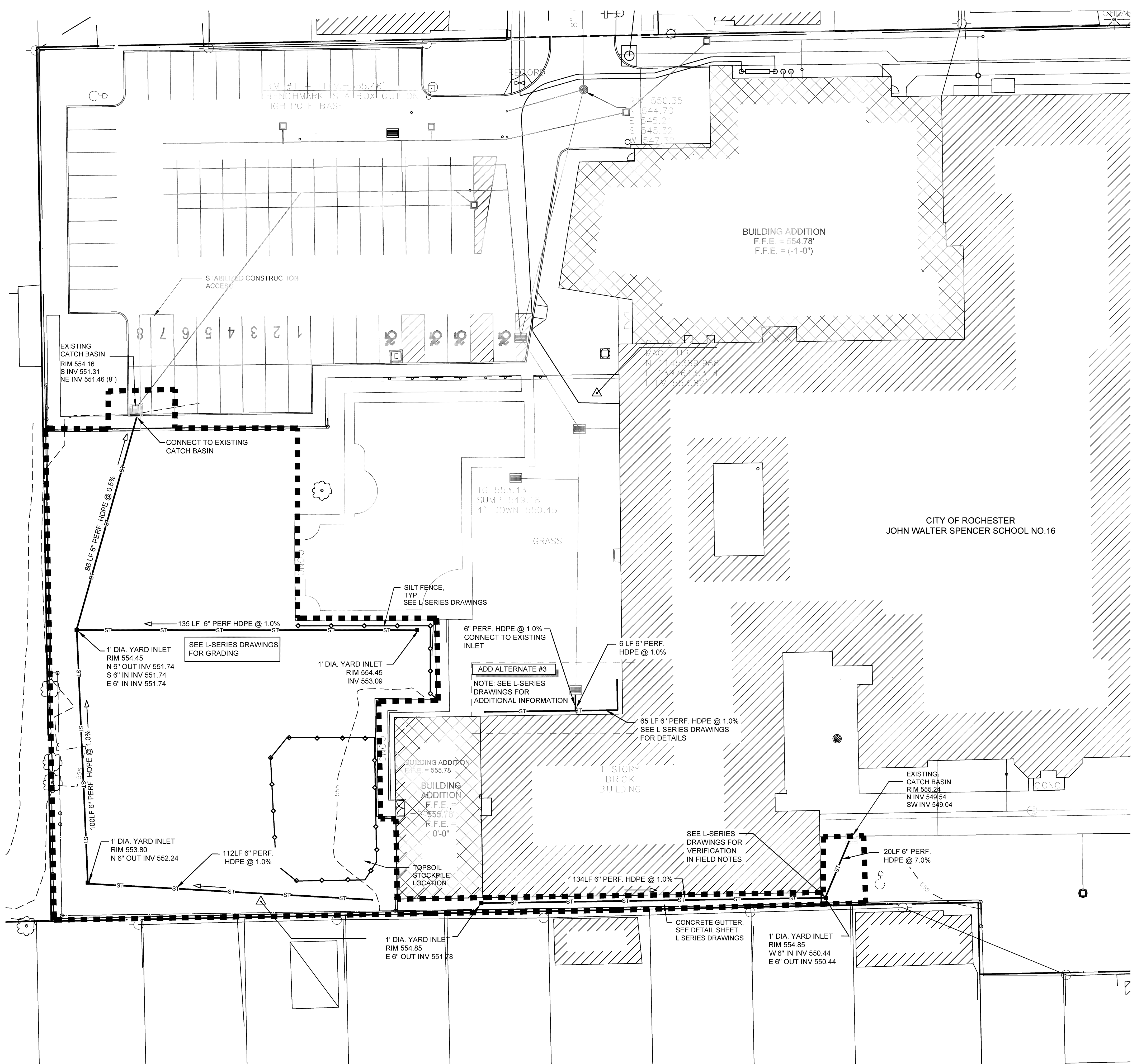
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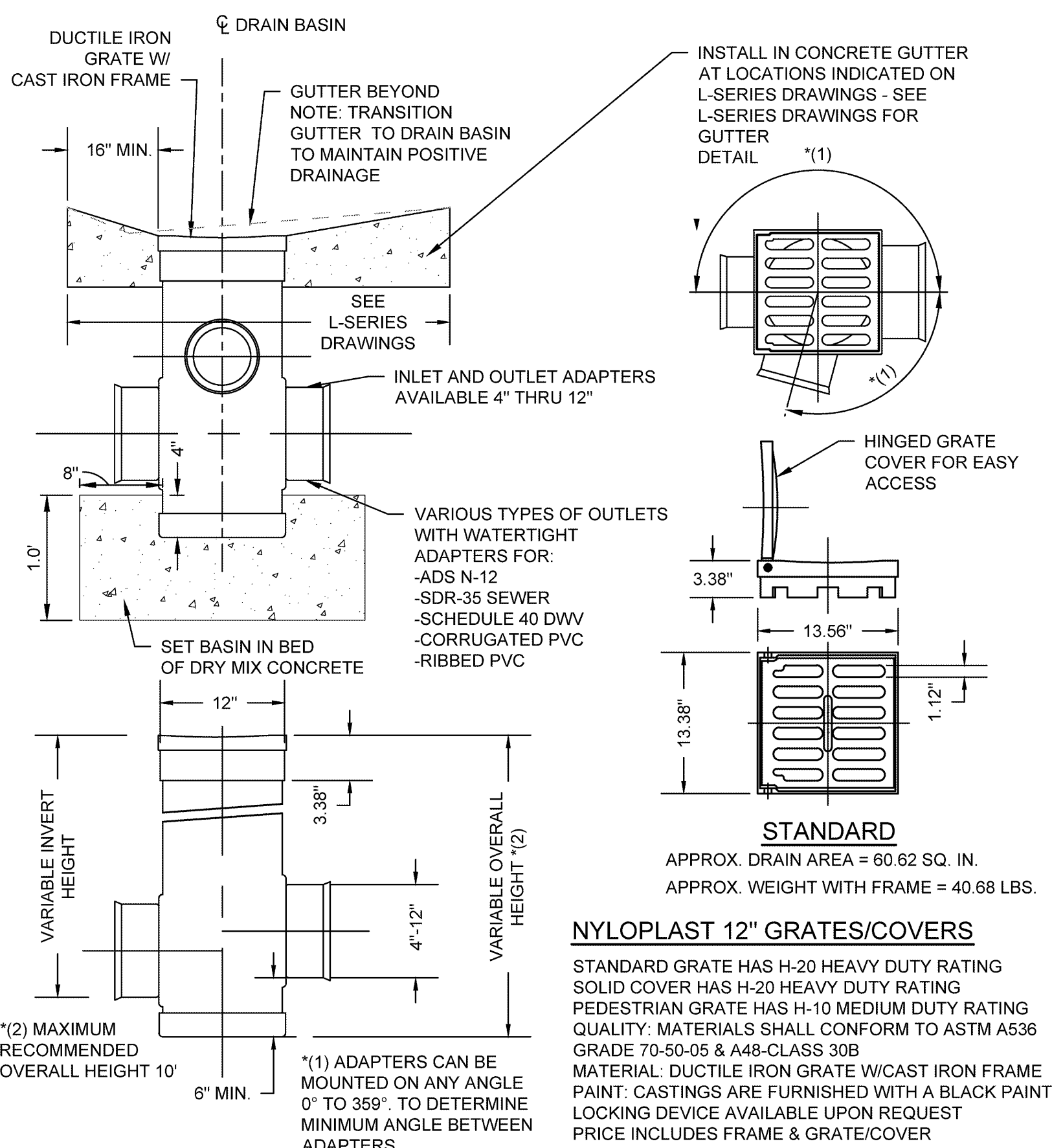
C120.1
 CIVIL SITE GRADING PLAN

May 6, 2020
 Bid Set

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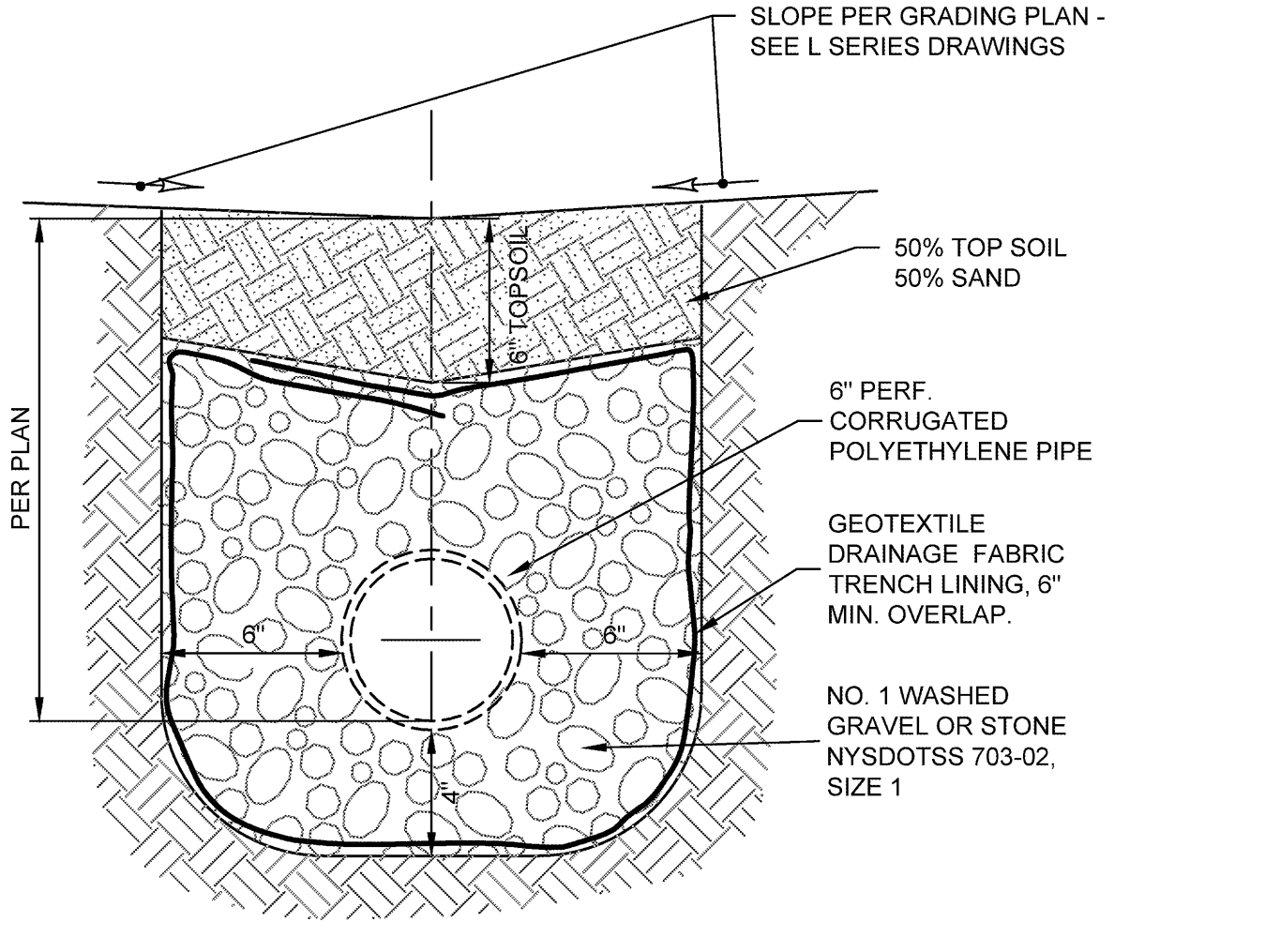


- GENERAL UTILITY CONSTRUCTION NOTES:**
1. THE CONTRACTOR SHALL RESTORE ALL EXISTING SITE IMPROVEMENTS TO THEIR ORIGINAL CONDITION AS NECESSARY INCLUDING EXISTING UTILITIES, LAWN AREAS, SIDEWALKS, PAVEMENT, CURBS, SIGNS, FENCES, ETC.
 2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE WORK AREA AND PROVIDE SAFETY BARRIERS AROUND ANY AREAS OF INCOMPLETE WORK.
 3. WHERE EXCAVATIONS CROSS EXISTING UTILITIES THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORTS AS REQUIRED. TEMPORARY SUPPORTS SHALL BE REMOVED UPON COMPLETION OF BACKFILLING AND COMPACTION.
 4. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF STABLE TEMPORARY TRENCHES INCLUDING UTILIZATION OF TEMPORARY SHEETING, BRACING AND DEWATERING AS NECESSARY TO MAINTAIN TRENCH STABILITY AND SAFETY.
 5. ALL PVC IS TO BE SDR-35, UNLESS STATED OTHERWISE.

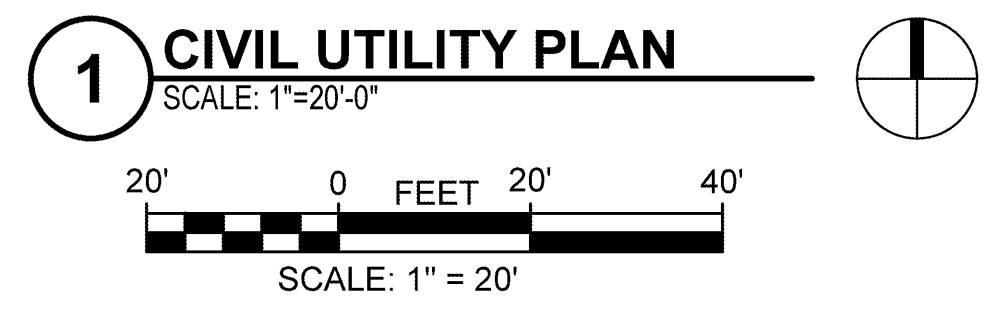


2 12" AREA DRAIN
 NOT TO SCALE

12" AREA DRAIN COVER



3 UNDERDRAIN PIPE TYPICAL SECTION



- UTILITY LEGEND:**
- BASE BID CONSTRUCTION LIMITS
 - - - ADD ALTERNATE #3 LIMITS
 - 1' SQ DRAIN INLET
 - ST STORM SEWER

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Drawn By: RJF
Checked By: KJW
Project Manager: KJW

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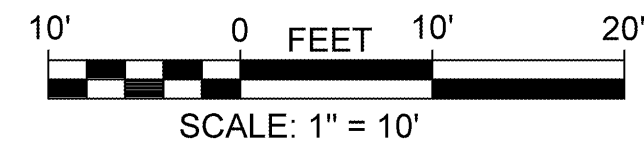
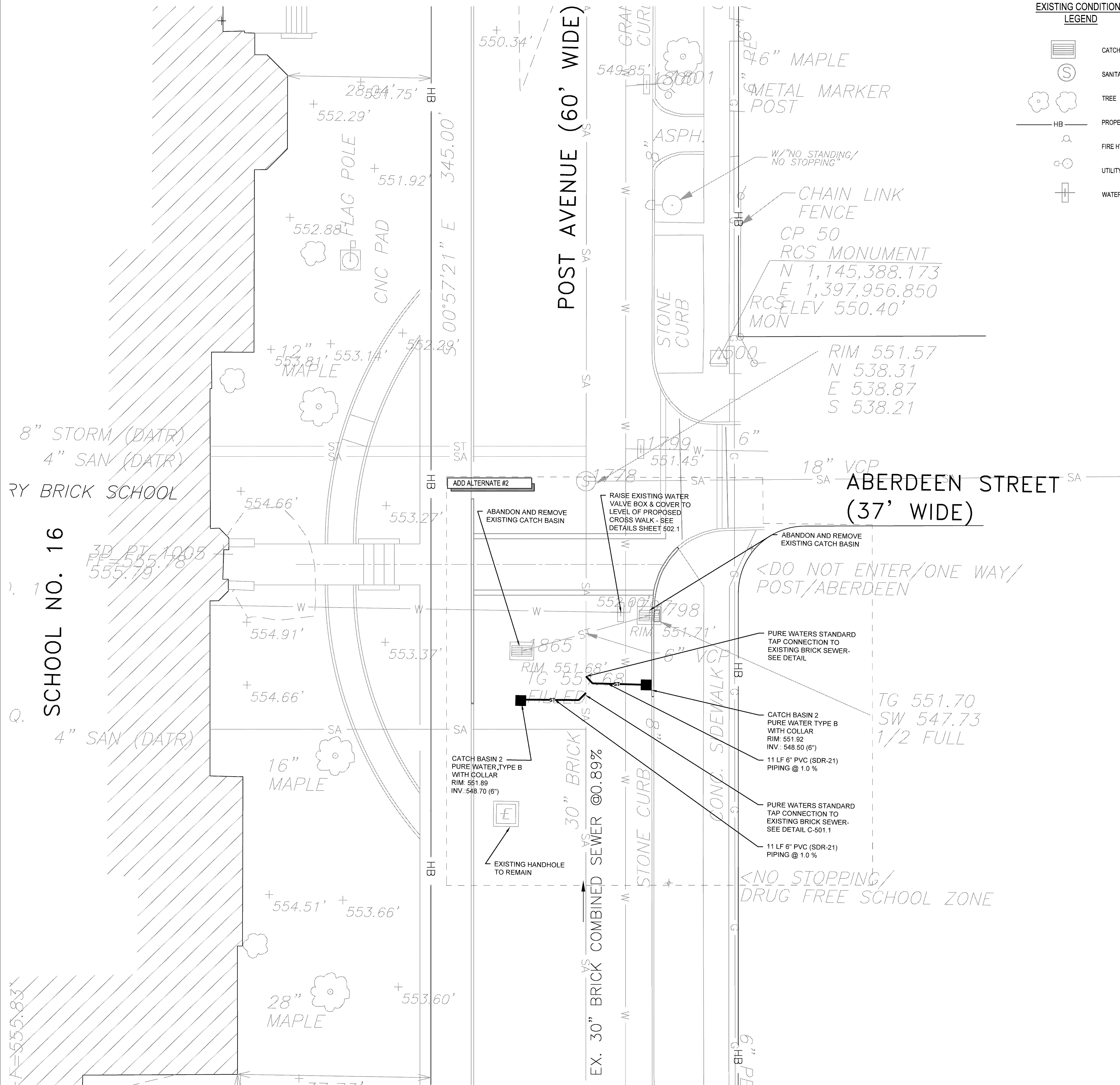
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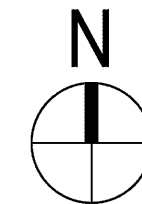
C-130.1
 CIVIL UTILITY PLAN

May 6, 2020
 Bid Set

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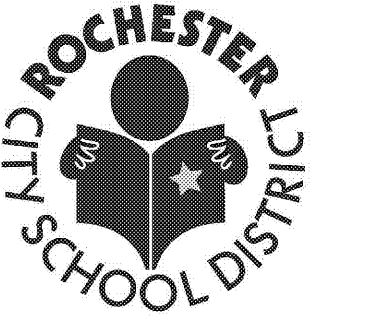


1 CIVIL SITE UTILITY PLAN
 SCALE: 1"=10'-0"



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Checked By: KJW
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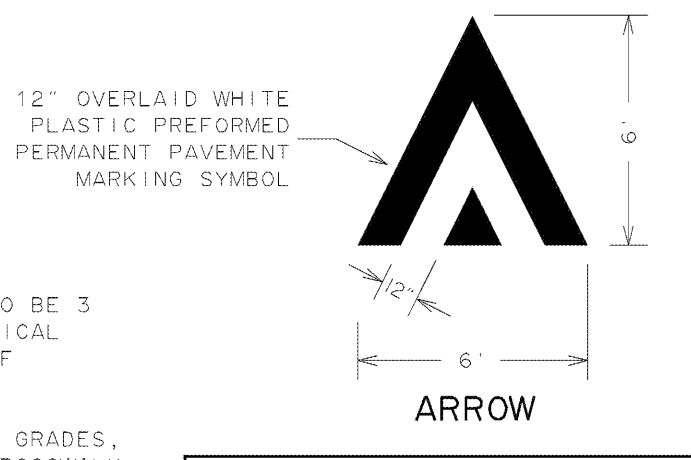
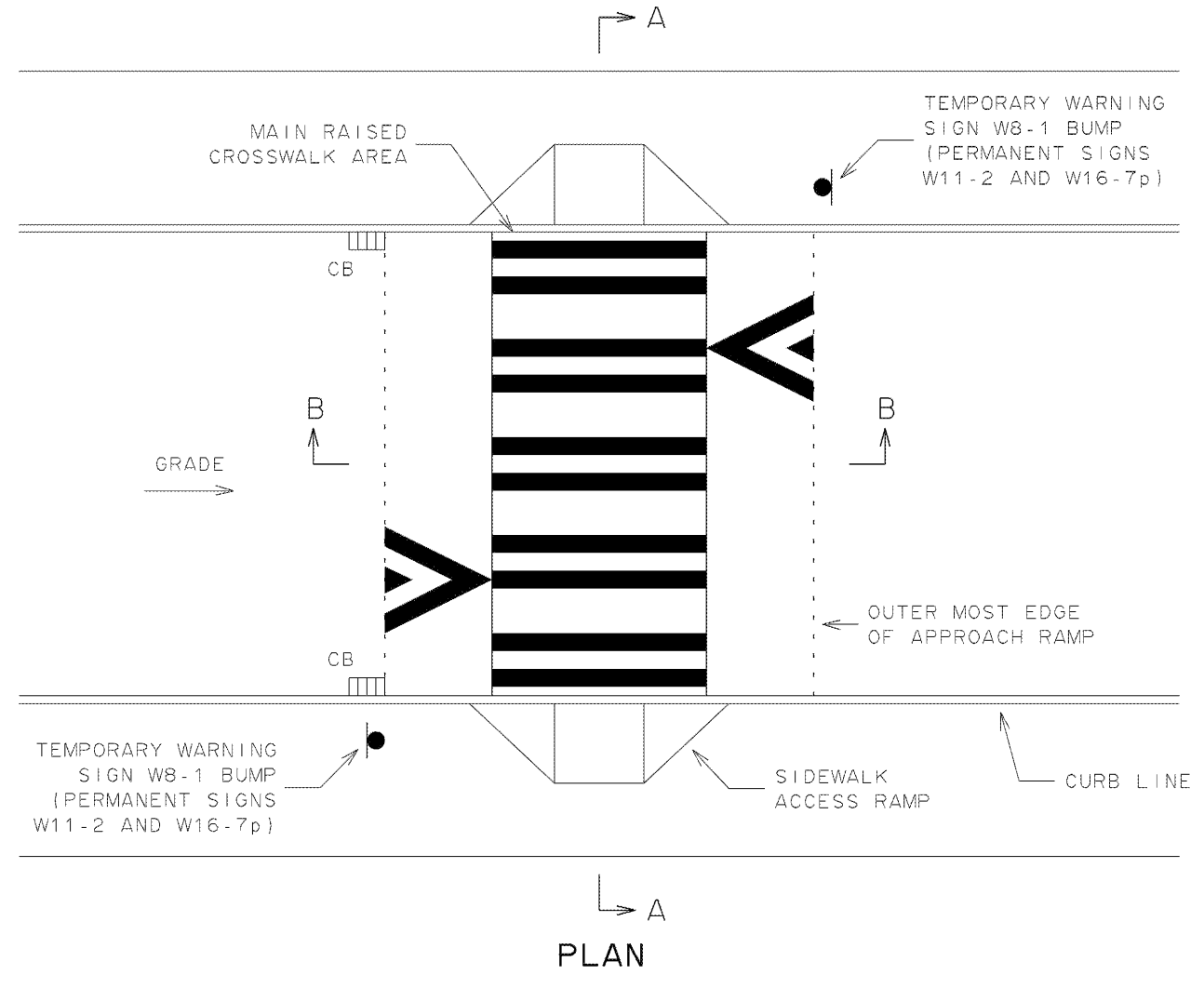
Revisions

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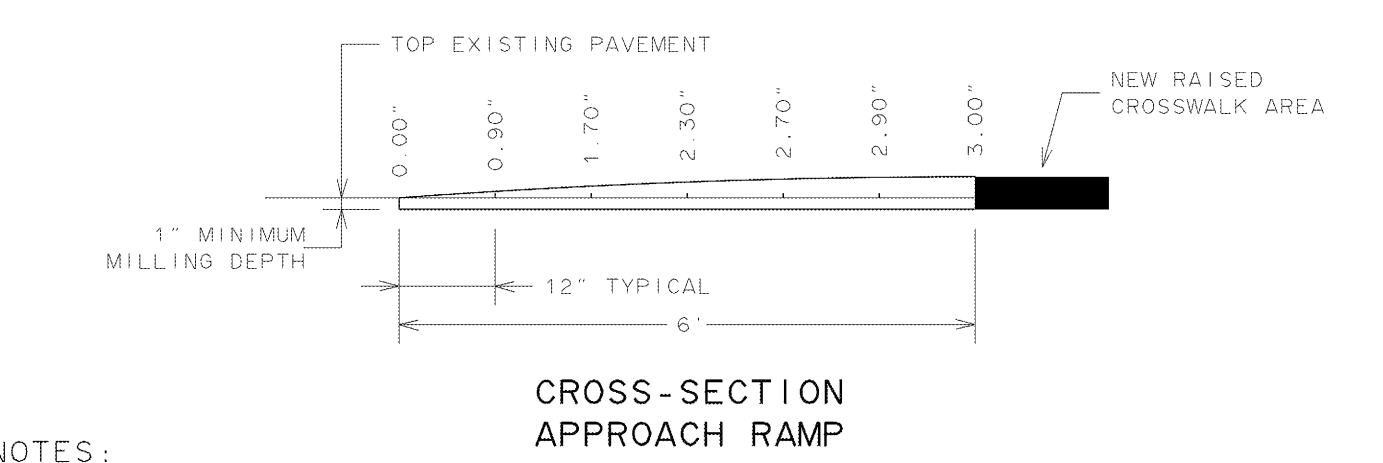
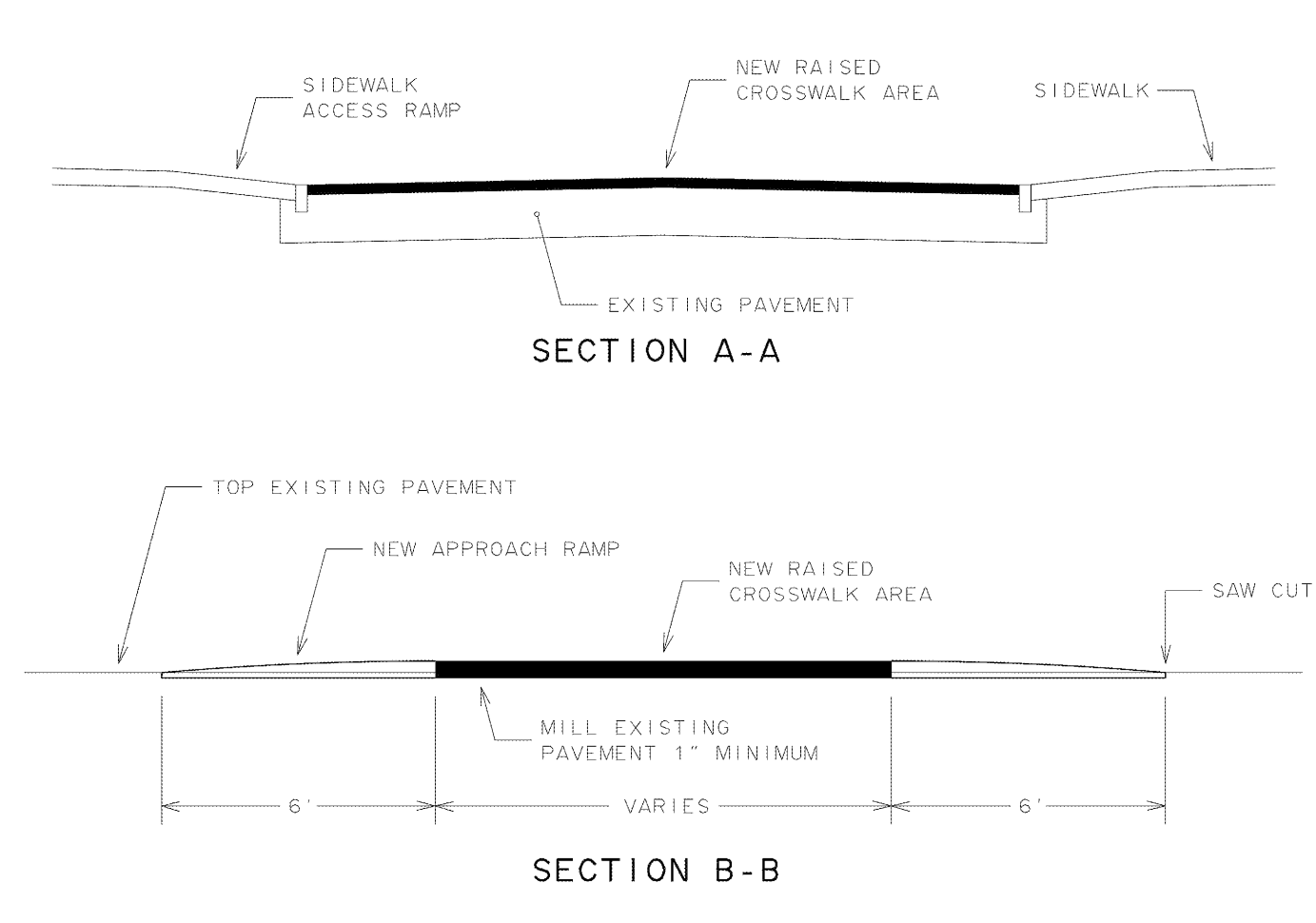
C-131.1
 CIVIL SITE
 UTILITY PLAN

May 6, 2020
 Bid Set



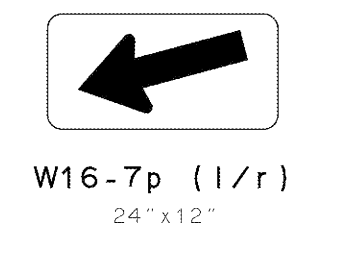
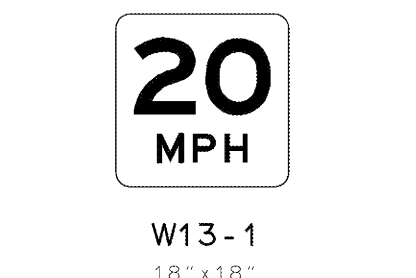
- NOTES:
- TOP OF MAIN RAISED CROSSWALK AREA IS TO BE 3 INCHES ABOVE AND PARALLEL WITH THEORETICAL FINISHED GRADE AND CROSS-SLOPE. TOP OF APPROACH RAMP ARE TO BE PARABOLIC.
 - MAINTAIN THEORETICAL CURB AND PAVEMENT GRADES, AND PAVEMENT CROSS-SLOPE THRU RAISED CROSSWALK.
 - WIDTH, COLOR AND PATTERN OF MAIN RAISED CROSSWALK AREA WILL BE AS SPECIFIED IN CONTRACT DOCUMENTS.
 - CATCH BASINS ARE TO BE LOCATED ON UPHILL SIDE(S) OF TABLED INTERSECTION.
 - TEMPORARY WARNING SIGNS ARE TO BE INSTALLED MINIMUM OF 10 DAYS PRIOR TO COMMENCING CONSTRUCTION OF TABLED INTERSECTION.

CITY OF ROCHESTER	
RAISED CROSSWALK	
ISSUED	8-2-05 NON-STANDARD
REVISED	3-1-17 DWG.NO.S414-1



- NOTES:
- RAISED CROSSWALK CONSISTS OF HMA TOP COURSE APPLIED DIRECTLY TO TOP OF MILLED SURFACE.
 - DEPTHS SPECIFIED FOR FORMING PARABOLIC SHAPE OF APPROACH RAMP ARE AS MEASURED FROM EXISTING PAVEMENT SURFACE TO TOP OF APPROACH RAMP.
 - MILL EXISTING PAVEMENT TO OUTER EXTENTS OF RAISED CROSSWALK.
 - CLEAN MILLED SURFACE, APPLY TACK COAT AND TREAT ALL EDGES WITH ASPHALT PAVEMENT JOINT ADHESIVE BEFORE CONSTRUCTING RAISED CROSSWALK.

CITY OF ROCHESTER	
RAISED CROSSWALK SECTIONS - EXISTING PAVEMENT	
ISSUED	8-2-05 NON-STANDARD
REVISED	3-1-17 DWG.NO.S414-3

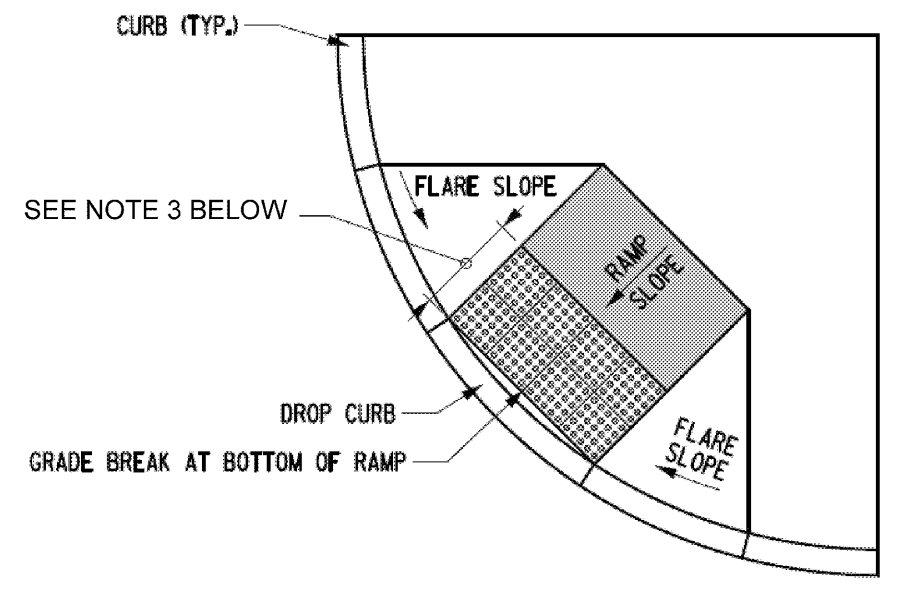


ADVANCE WARNING SIGNAGE

WARNING SIGNAGE AT RAISED CROSSWALK

- NOTES:
- ADVANCE WARNING SIGNS ARE TO BE PLACED AFTER NEAREST INTERSECTING STREET OR 250 FEET AHEAD OF RAISED CROSSWALK, WHICHEVER IS CLOSEST.
 - WARNING SIGNS TO BE PLACED AT OUTER EDGES OF RAISED CROSSWALK AREA.
 - ALL PERMANENT SIGNAGE WILL BE INSTALLED BY MCDOT.

CITY OF ROCHESTER	
RAISED CROSSWALK PERMANENT SIGNAGE	
ISSUED	8-2-05 NON-STANDARD
REVISED	3-1-17 DWG.NO.S414-4



- NOTES:
- DETECTABLE WARNING SURFACES (DWS) SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS ON PEDESTRIAN ACCESS ROUTES (NYS DOT STD. SHEET 608-01 NOTE 30)
 - A. CURB RAMPS AND BLENDED TRANSITION AT PEDESTRIAN STREET CROSSINGS
 - B. PEDESTRIAN REFUGE ISLAND (WHERE THE LENGTH OF THE PEDESTRIAN ACCESS ROUTE ACROSS THE REFUGE ISLAND IS GREATER THAN OR EQUAL TO 6')
 - C. PEDESTRIAN AT-GRADE RAIL CROSSINGS NOT LOCATED WITHIN A STREET OR HIGHWAY.
 - DETECTABLE WARNING SURFACES SHALL BE PROVIDED WHERE THE PEDESTRIAN ACCESS ROUTE CROSSES DRIVEWAY WITH SIGNAL, YIELD OR STOP CONTROL. DETECTABLE WARNING SURFACES SHALL NOT BE PROVIDED AT CROSSING OF UNCONTROLLED DRIVEWAYS (NYS DOT STD. SHEET 608-01 NOTE 31)
 - DETECTABLE WARNING FIELDS SHALL EXTEND 24' MINIMUM IN THE DIRECTION OF PEDESTRIAN TRAVEL THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE, EXCLUDING ANY FLARED SIDES. (NYS DOT STD. SHEET 608-01 NOTE 33)
 - SOME DETECTABLE WARNING PRODUCTS REQUIRE A CONCRETE BORDER FOR PROPER INSTALLATION. IF REQUIRED, THE BORDER SHALL NOT EXCEED 2" WHERE THE BACK OF THE CURB EDGE IS TOoled TO PROVIDE RADIUS. THE BORDER DIMENSION SHALL BE MEASURED FROM THE INSIDE EDGE OF THE CURB RADIUS. BORDERS CANNOT BE INCLUDED AS PART OF THE 24' MINIMUM DIMENSIONS DESCRIBE IN NOTE 3 ABOVE. (NYS DOT STD. SHEET 608-01 NOTE 34)
 - WHERE CURB IS NOT USED, THE EDGE OF PAVEMENT SHALL BE SUBSTITUTED FOR THE BACK OF CURB FOR PLACEMENT OF DETECTABLE WARNINGS. (NYS DOT STD. SHEET 608-01 NOTE 35)
 - ON SLOPES OF 5% OR GREATER, THE ROWS OF DOMES SHALL BE ALIGNED TO BE PERPENDICULAR OR RADIAL TO THE LOWEST GRADE BREAK ON THE RAMP RUN WHERE DOMES ARE ARRAYED RADIALLY. THEY MAY DIFFER IN DIAMETER AND CENTER-TO-CENTER SPACING WITHIN THE RANGES SPECIFIED ON SHEET 2 OF 12 OF 608-1 NYS DOT STANDARD SHEETS. SOME ALIGNMENT THAT IS PERPENDICULAR OR RADIAL TO THE LOWER GRADE BREAK IS NOT REQUIRED ON SLOPES OF LESS THAN 5%. (NYS DOT STD. SHEET 608-01 NOTE 36)
 - THE DETECTABLE WARNING FIELD SHALL BE THE COLOR SPECIFIED IN THE CONTRACT DOCUMENTS OR MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT GUTTER, STREET OR HIGHWAY, OR PEDESTRIAN ROUTE SURFACE, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. (NYS DOT STD. SHEET 608-01 NOTE 37)
 - REFER TO NYS DOT STANDARD SHEET 608-01 FOR ADDITIONAL INFORMATION.
- * THIS DETAIL APPLIES FOR BOTH ADD ALTERNATE 2 AND BASE BID.

1 ADD ALTERNATE 2 - CITY OF ROCHESTER RAISED CROSSWALK - PLAN

SCALE: NTS

2 ADD ALTERNATE 2 - CITY OF ROCHESTER RAISED CROSSWALK EXISTING PAVEMENT

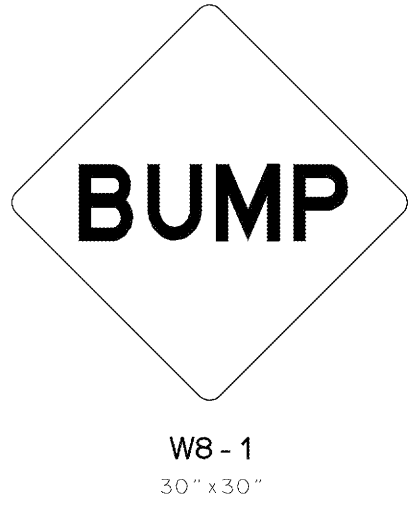
SCALE: NTS

3 ADD ALTERNATE 2 - CITY OF ROCHESTER RAISED CROSSWALK PERMANENT SIGNAGE

SCALE: NTS

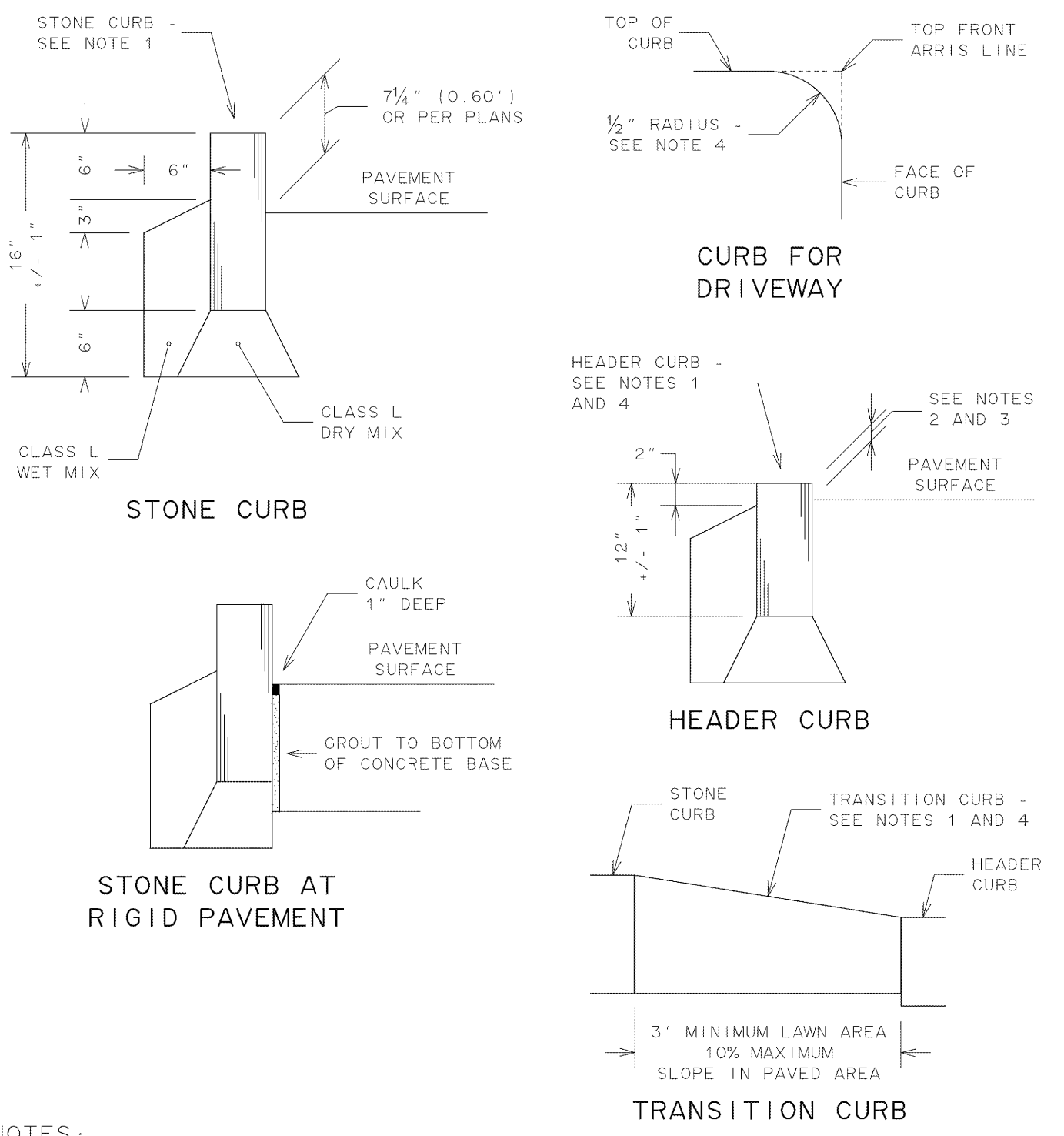
4 NYSOT DETECTABLE WARNING SURFACE REPLACEMENT

SCALE: NTS



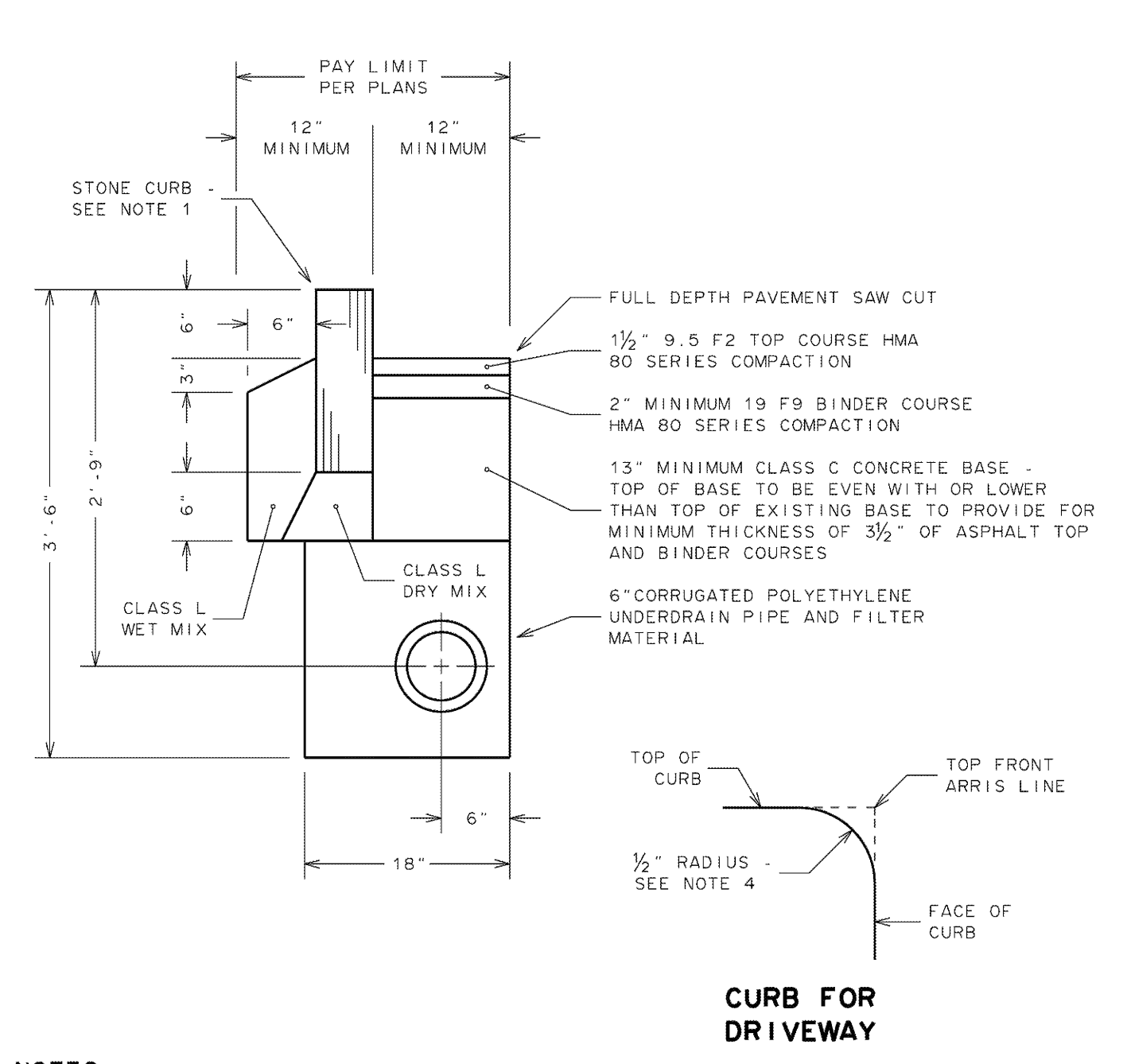
- NOTES:
- TEMPORARY SIGNAGE IS TO BE PROVIDED ON EACH SIDE OF STREET AND MOUNTED ON TEMPORARY SIGN SUPPORT.
 - TEMPORARY SIGNAGE AND SUPPORT TO BE MAINTAINED UNTIL PERMANENT SIGNAGE IS INSTALLED BY MCDOT.

CITY OF ROCHESTER	
RAISED CROSSWALK TEMPORARY SIGNAGE	
ISSUED	3-1-17 NON-STANDARD
REVISED	DWG.NO.S414-5



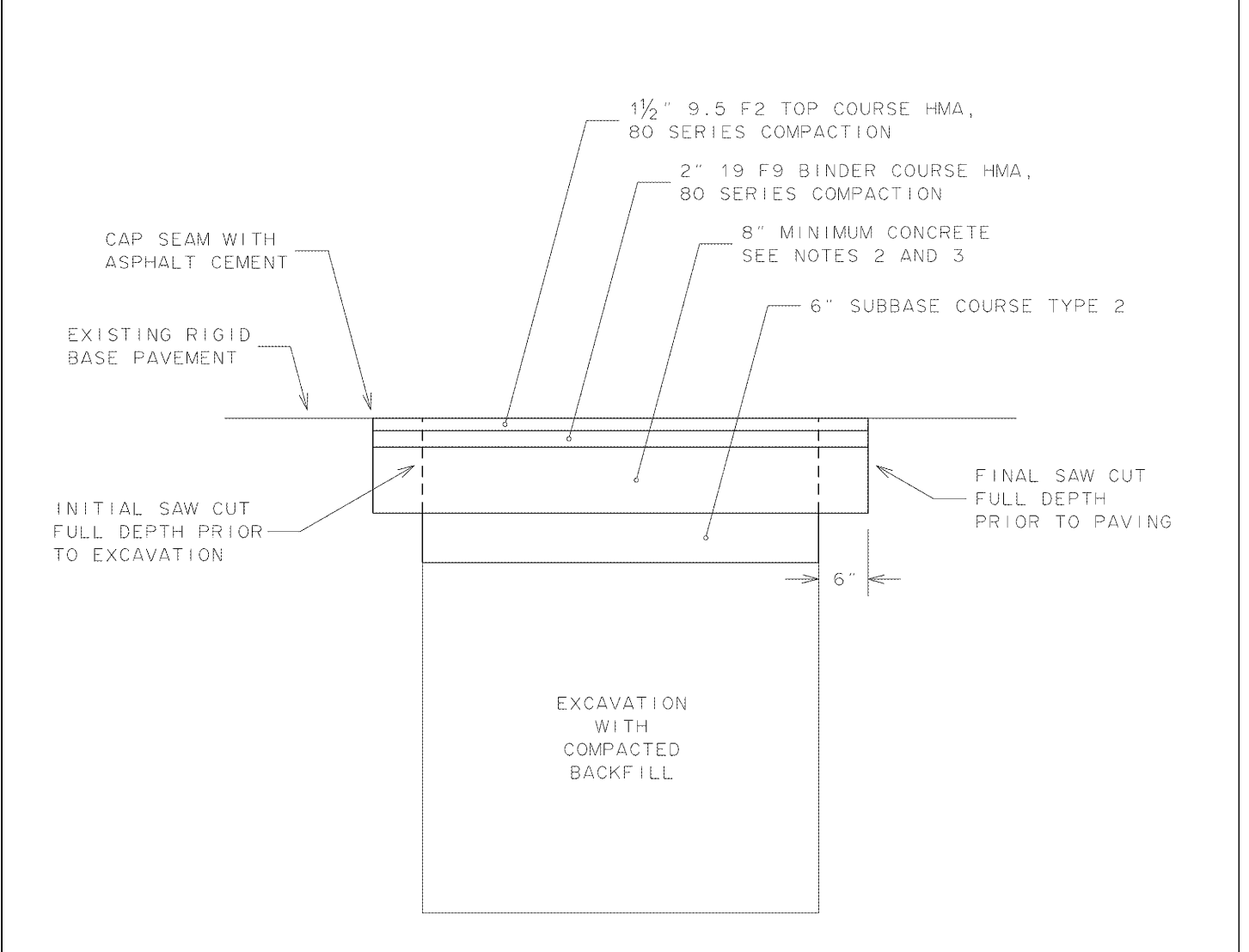
- NOTES:
- WIDTH OF CURB IS TO BE AS REQUIRED IN CONTRACT DOCUMENTS.
 - SIDEWALK ACCESS RAMP HEADER CURB IS TO BE FLUSH WITH PAVEMENT SURFACE.
 - DRIVEWAY HEADER CURB IS TO HAVE CURB REVEAL OF 1 1/2 INCHES.
 - ONLY TRANSITION AND HEADER CURB PIECES USED FOR DRIVEWAYS ARE TO BE ROUNDED.
 - TACK COAT UNEXPOSED SURFACE OF CURB.

CITY OF ROCHESTER	
STONE CURB	
ISSUED	9-2-91 STANDARD
REVISED	3-1-18 DWG.NO.R609-1



- NOTES:
- WIDTH OF CURB IS TO BE AS REQUIRED IN CONTRACT DOCUMENTS.
 - SIDEWALK ACCESS RAMP HEADER CURB IS TO BE FLUSH WITH PAVEMENT SURFACE.
 - DRIVEWAY HEADER CURB IS TO HAVE CURB REVEAL OF 1 1/2 INCHES.
 - ONLY TRANSITION AND HEADER CURB PIECES USED FOR DRIVEWAYS ARE TO BE ROUNDED.
 - TACK COAT TO BE APPLIED BETWEEN ALL LIFTS OF HMA COURSES.
 - PAVEMENT SEAMS TO BE SEALED WITH BITUMINOUS SEALER IN ACCORDANCE WITH NYS DOT MATERIAL DESIGNATION 702-0700.

CITY OF ROCHESTER	
STONE CURB REPLACEMENT - CONCRETE BASE	
ISSUED	12-30-11 NON-STANDARD
REVISED	12-1-15 DWG.NO.S609-17



- NOTES:
- FINAL SAW CUT IS TO BE FULL DEPTH TO OBTAIN STRAIGHT AND NEAT EDGE FOR PAVING. SAW CUT IS TO BE MADE AFTER TRENCH HAS BEEN BACKFILLED AND BEFORE CONSTRUCTING PAVEMENT SECTION.
 - CONCRETE IS TO BE CLASS C OR F IN ACCORDANCE WITH NYS DOT SECTION 503 PORTLAND CEMENT CONCRETE FOUNDATION FOR PAVEMENT.
 - TOP OF NEW CONCRETE BASE IS TO BE AT OR BELOW TOP OF EXISTING CONCRETE BASE TO PROVIDE FOR MINIMUM 8 INCHES OF CONCRETE AND MINIMUM THICKNESSES OF ASPHALT TOP AND BINDER COURSES.
 - TACK COAT IS TO BE APPLIED BETWEEN ALL LIFTS OF HMA PAVEMENT COURSES AND ON TOP OF CONCRETE BASE.
 - SEAMS BETWEEN EXISTING AND NEW PAVEMENT ARE TO BE SEALED WITH AN ASPHALT CEMENT (FILLER) THAT IS IN ACCORDANCE WITH NYS DOT MATERIAL DESIGNATION 702-0700.

CITY OF ROCHESTER	
TRENCH RESTORATION CONCRETE BASE	
ISSUED	9-2-91 STANDARD
REVISED	2-8-13 DWG.NO.R206-2

5 ADD ALTERNATE 2 - CITY OF ROCHESTER RAISED CROSSWALK TEMPORARY SIGNAGE

SCALE: NTS

6 CITY OF ROCHESTER STONE CURB

SCALE: NTS

7 ADD ALTERNATE 2 - CITY OF ROCHESTER STONE CURB REPLACEMENT CONCRETE BASE

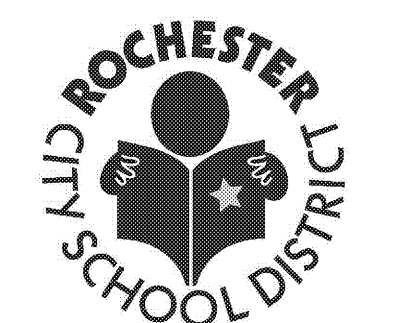
SCALE: NTS

8 ADD ALTERNATE 2 - CITY OF ROCHESTER TRENCH RESTORATION

SCALE: NTS

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Checked By: KJW
Project Manager: KJW

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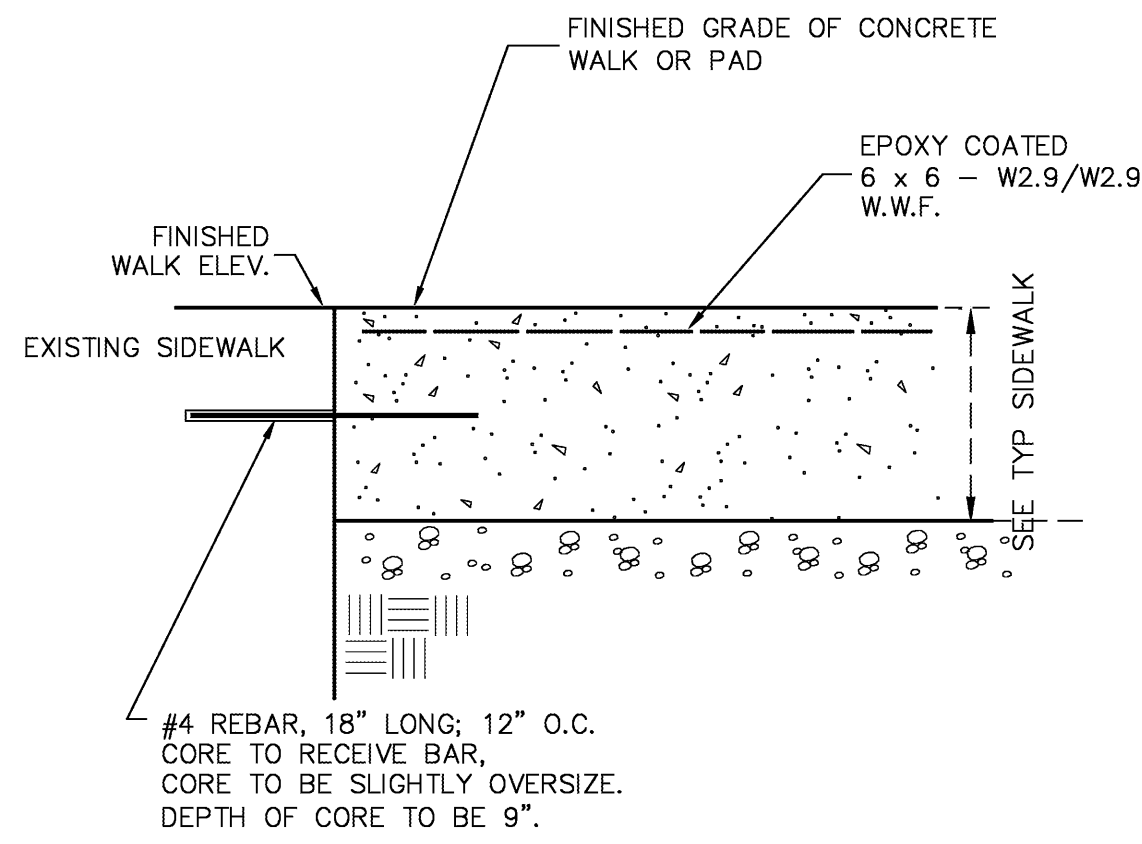
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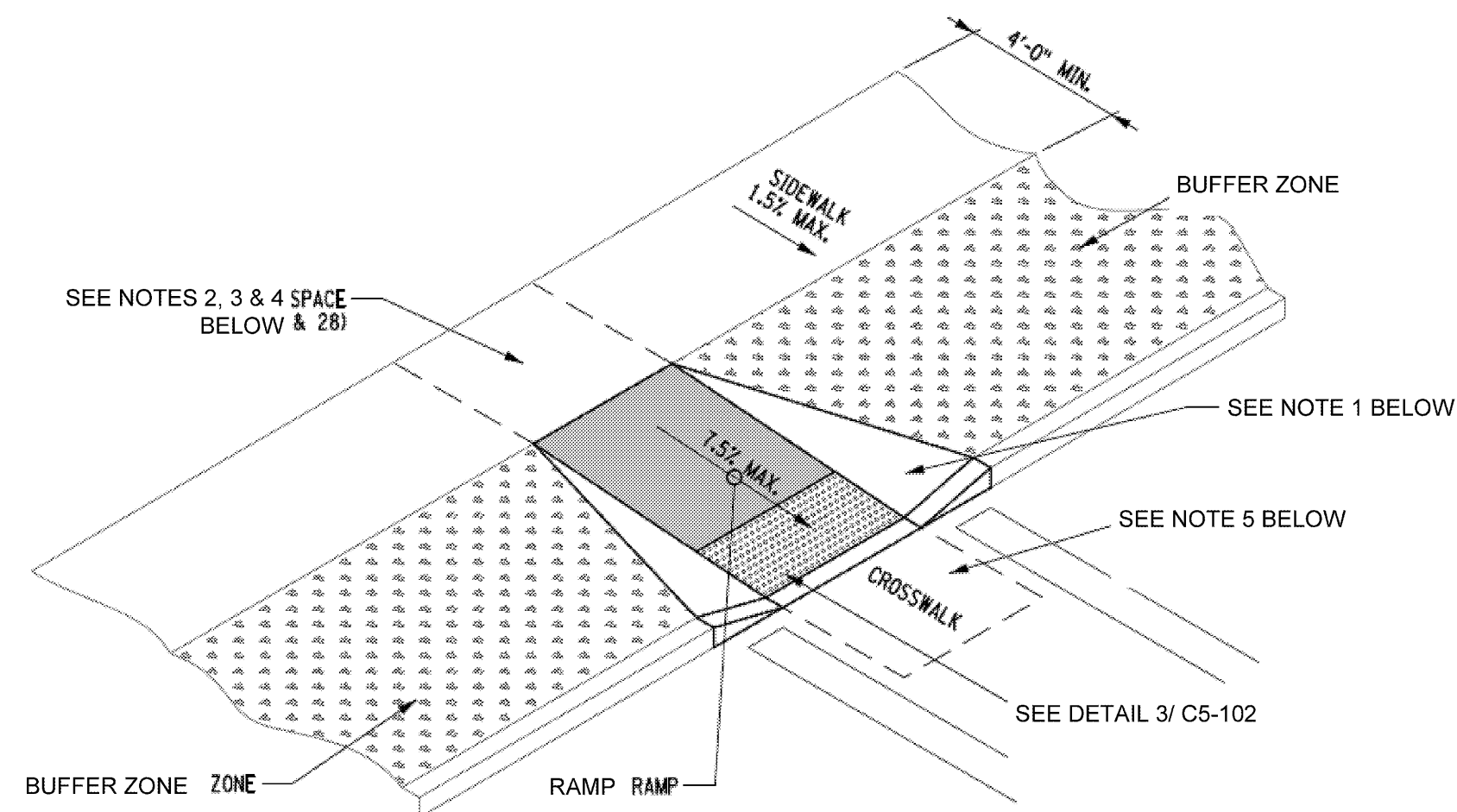
C-500.1
CIVIL SITE DETAILS

May 6, 2020
Bid Set



* THIS DETAIL APPLIES FOR BOTH ADD ALTERNATE 2 AND BASE BID.

1 DOWEL DETAIL AT EXISTING WALK
SCALE: NTS



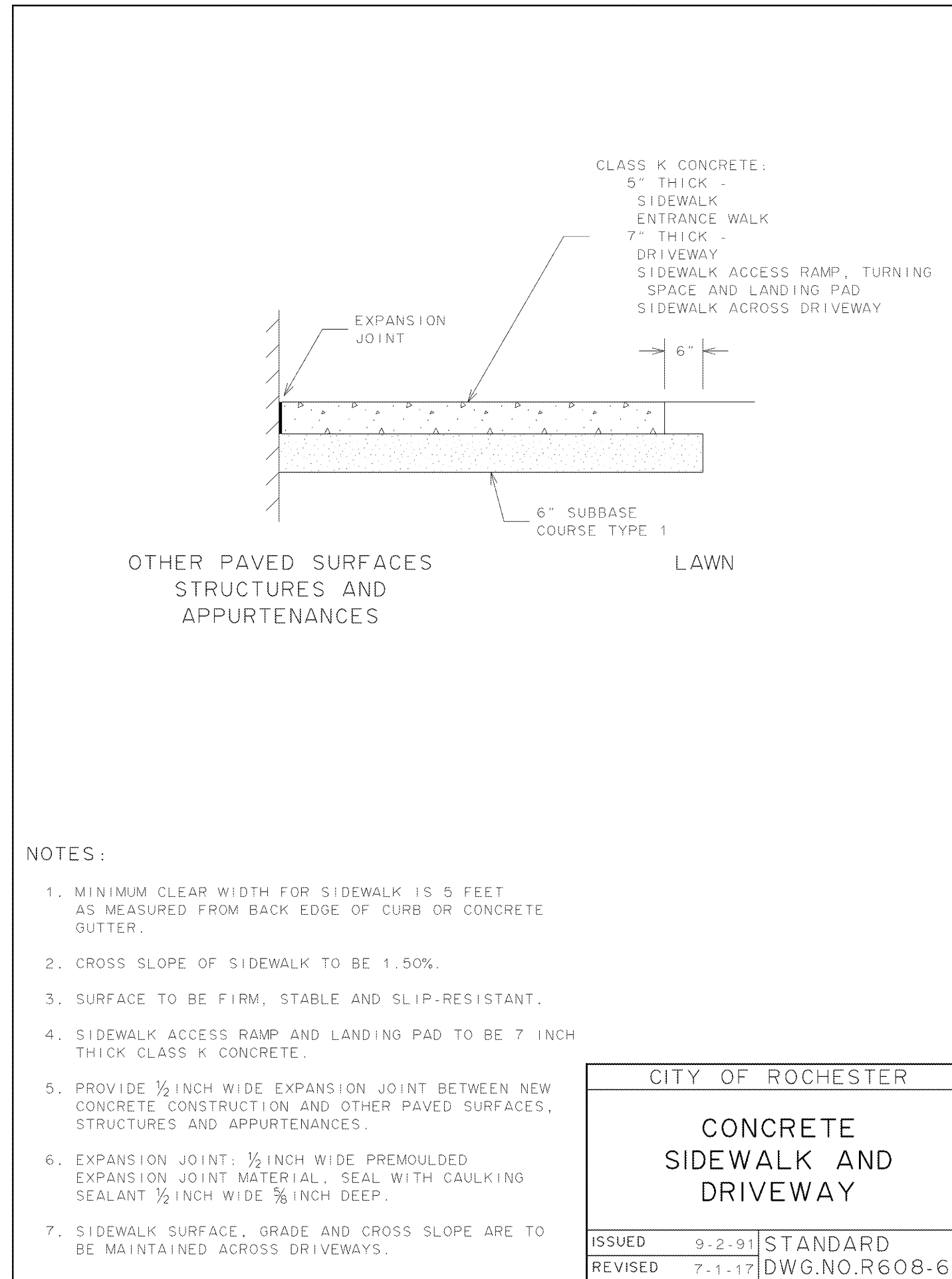
CURB RAMP CONFIGURATION TYPE 11 MID BLOCK CROSSING OR T INTERSECTION

NOTES:

- RAMP SIDE OPTION A IS SELECTED BASED ON DETAILED ON SHEET 3 OF 12 IN NYSDOT STANDARD SHEETS 608-1. WHERE A PEDESTRIAN CIRCULATION PATH CROSSES THE CURB RAMP, FLARED SIDES SHALL BE INSTALLED WITH A MAXIMUM SLOPE OF 9.5% FOR DESIGN AND LAYOUT, AND 10% MAXIMUM FOR WORK ACCEPTANCE. A PEDESTRIAN CIRCULATION PATH IS ASSUMED TO CROSS THE CURB RAMP WHEN AREA ADJACENT TO THE RAMP IS PAVED AND FREE OF VERTICAL OBSTRUCTIONS THAT WOULD PREVENT PEDESTRIAN PASSAGE. THERE IS NO MAXIMUM FLARE SLOPE FOR A RAMP THAT IS NOT CROSSED BY A PEDESTRIAN CIRCULATION PATH. (NOTE 23 ON NYSDOT STANDARD SHEET 608-01)
- WHERE A CHANGE IN DIRECTION IS REQUIRED TO UTILIZE A CURB RAMP, A TURNING SPACE SHALL BE PROVIDED AT THE BASE OR THE TOP OF CURB RAMP, AS APPLICABLE. TURNING SPACES SHALL BE PERMITTED TO OVERLAP CLEAR SPACES. (NOTE 26 ON NYSDOT STANDARD SHEET 608-01)
- WHERE THERE ARE NO VERTICAL CONSTRAINTS AT THE BACK OF SIDEWALKS, (E.G. VERTICAL CURBS, BUILDINGS, FENCE) THE TURNING SPACE DIMENSIONS SHALL BE 4'-0" X 4'-0" MINIMUM. WHERE THE TURNING SPACE IS CONSTRAINED AT THE BACK OF SIDEWALK, THE TURNING SPACE SHALL BE 4'-0" X 5'-0" MINIMUM. THE 5'-0" DIMENSION SHALL BE IN THE DIRECTION OF THE RAMP RUN. (NOTE 27 ON NYSDOT STANDARD SHEET 608-01)
- TURNING SPACES SHALL NOT BE DESIGNED WITH A SLOPE GREATER THAN 1.5% IN ANY DIRECTION, WHILE PROVIDING POSITIVE DRAINAGE. THE MAXIMUM SLOPE FOR WORK ACCEPTANCE IS 2.0%. (NOTE 28 ON NYSDOT STANDARD SHEET 608-01)
- BELOW THE BOTTOM GRADE BREAK OF A CURB RAMP, A CLEAR SPACE OF 4'-0" X 4'-0" MINIMUM SHALL BE PROVIDED WITHIN THE WIDTH OF THE PEDESTRIAN CROSSWALK, AND OUTSIDE THE PARALLEL VEHICLE TRAVEL LANE. THE CLEAR SPACE MAY OVERLAP TURNING SPACES, DETECTABLE WARNING SURFACES, AND DROP CURBS. (NOTE 29 ON NYSDOT STANDARD SHEET 608-01)
- REFER TO NYSDOT STANDARD SHEET 608-01 FOR ADDITIONAL INFORMATION.

* THIS DETAIL APPLIES FOR BOTH ADD ALTERNATE 2 AND BASE BID.

2 NYSDOT SIDEWALK ACCESS RAMP TYPE 11 MID BLOCK CROSSING OR T INTERSECTION
SCALE: NTS

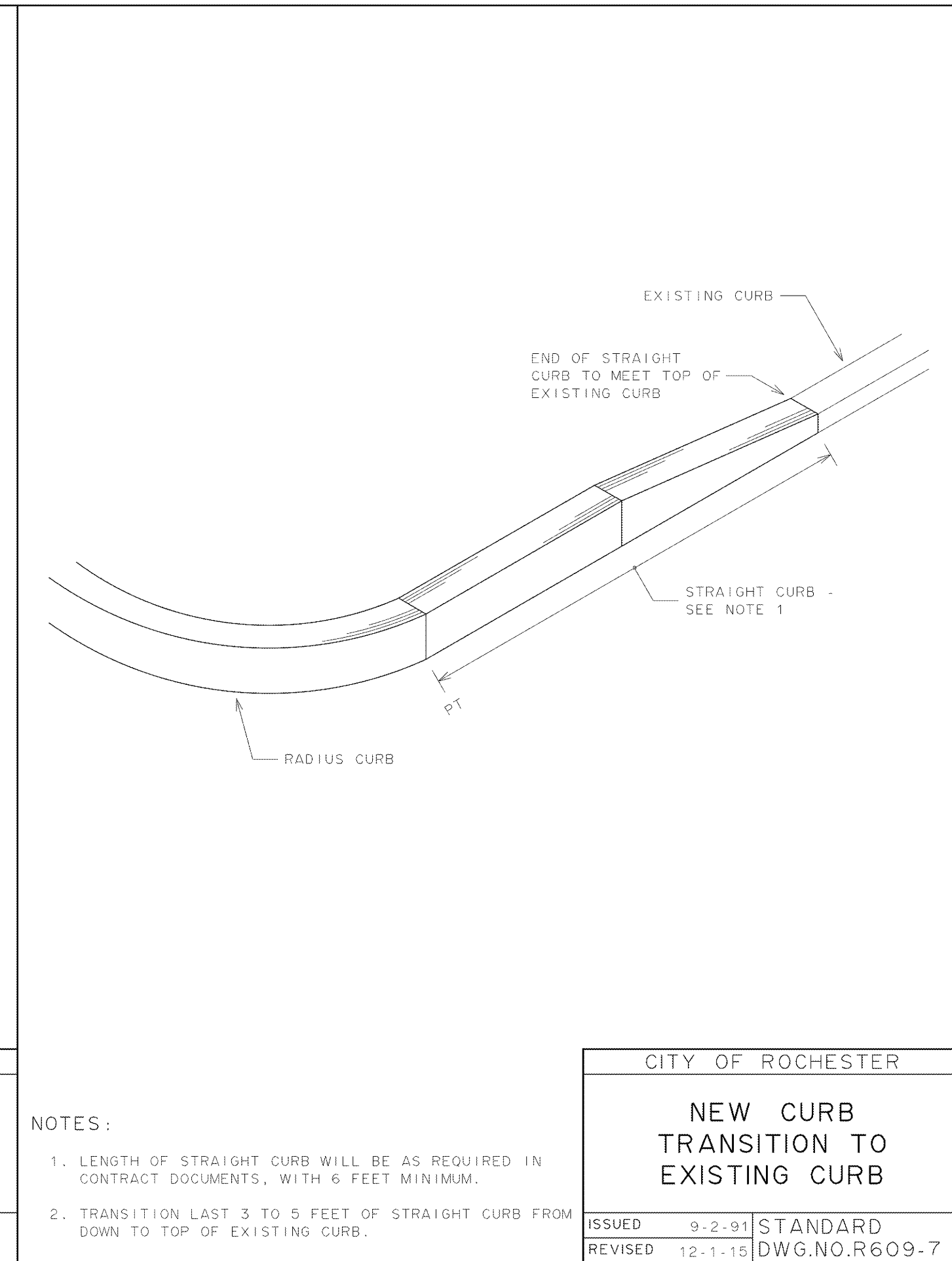


NOTES:

- MINIMUM CLEAR WIDTH FOR SIDEWALK IS 5 FEET AS MEASURED FROM BACK EDGE OF CURB OR CONCRETE GUTTER.
- CROSS SLOPE OF SIDEWALK TO BE 1.50%.
- SURFACE TO BE FIRM, STABLE AND SLIP-RESISTANT.
- SIDEWALK ACCESS RAMP AND LANDING PAD TO BE 7 INCH THICK CLASS K CONCRETE.
- PROVIDE 1/2 INCH WIDE EXPANSION JOINT BETWEEN NEW CONCRETE CONSTRUCTION AND OTHER PAVED SURFACES, STRUCTURES AND APPURTENANCES.
- EXPANSION JOINT: 1/2 INCH WIDE, PREMOULDED EXPANSION JOINT MATERIAL, SEAL WITH CAULKING SEALANT 1/2 INCH WIDE, 3/8 INCH DEEP.
- SIDEWALK SURFACE, GRADE AND CROSS SLOPE ARE TO BE MAINTAINED ACROSS DRIVEWAYS.

* THIS DETAIL APPLIES FOR BOTH ADD ALTERNATE 2 AND BASE BID.

3 CITY OF ROCHESTER CONCRETE SIDEWALK
SCALE: NTS

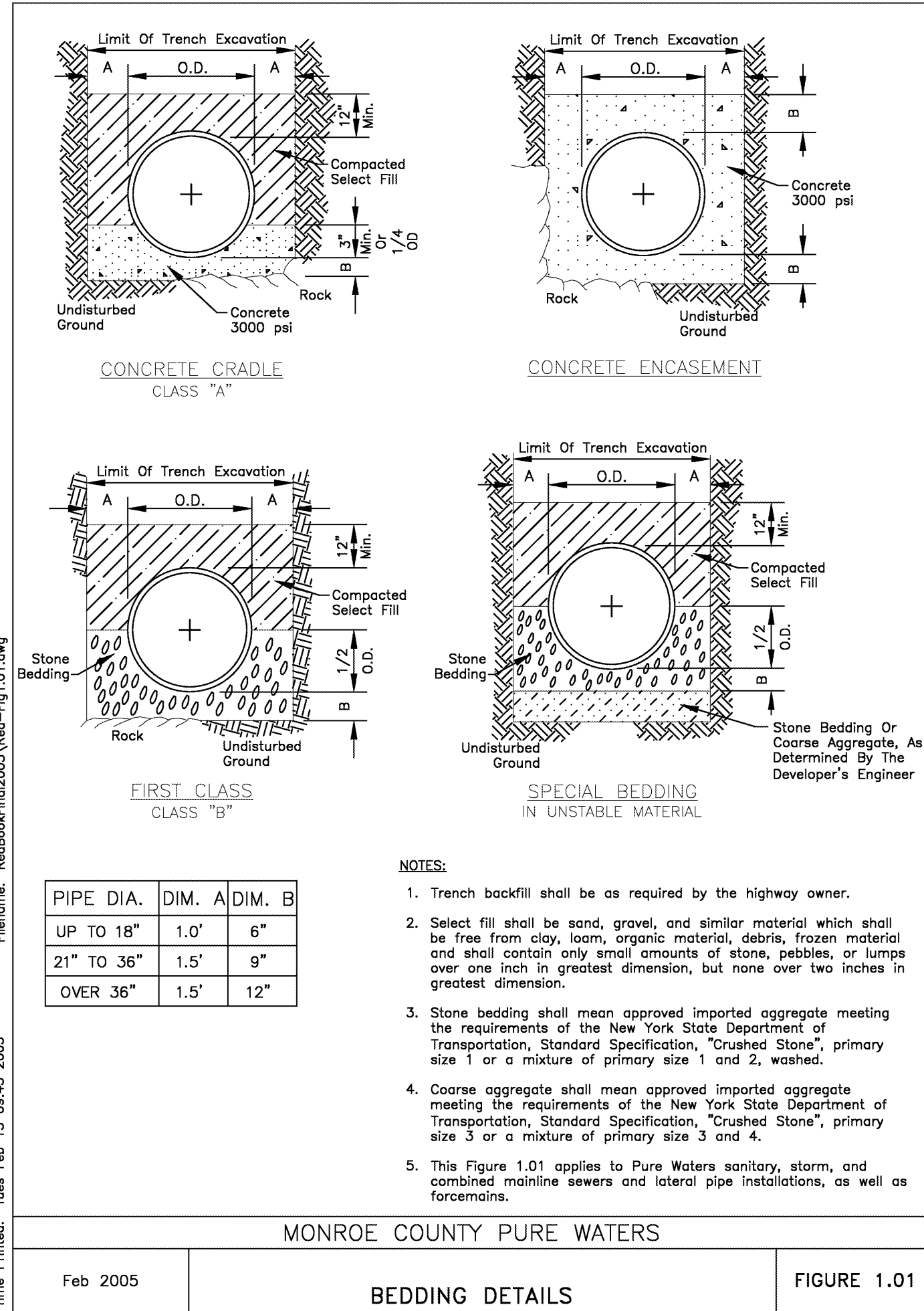


NOTES:

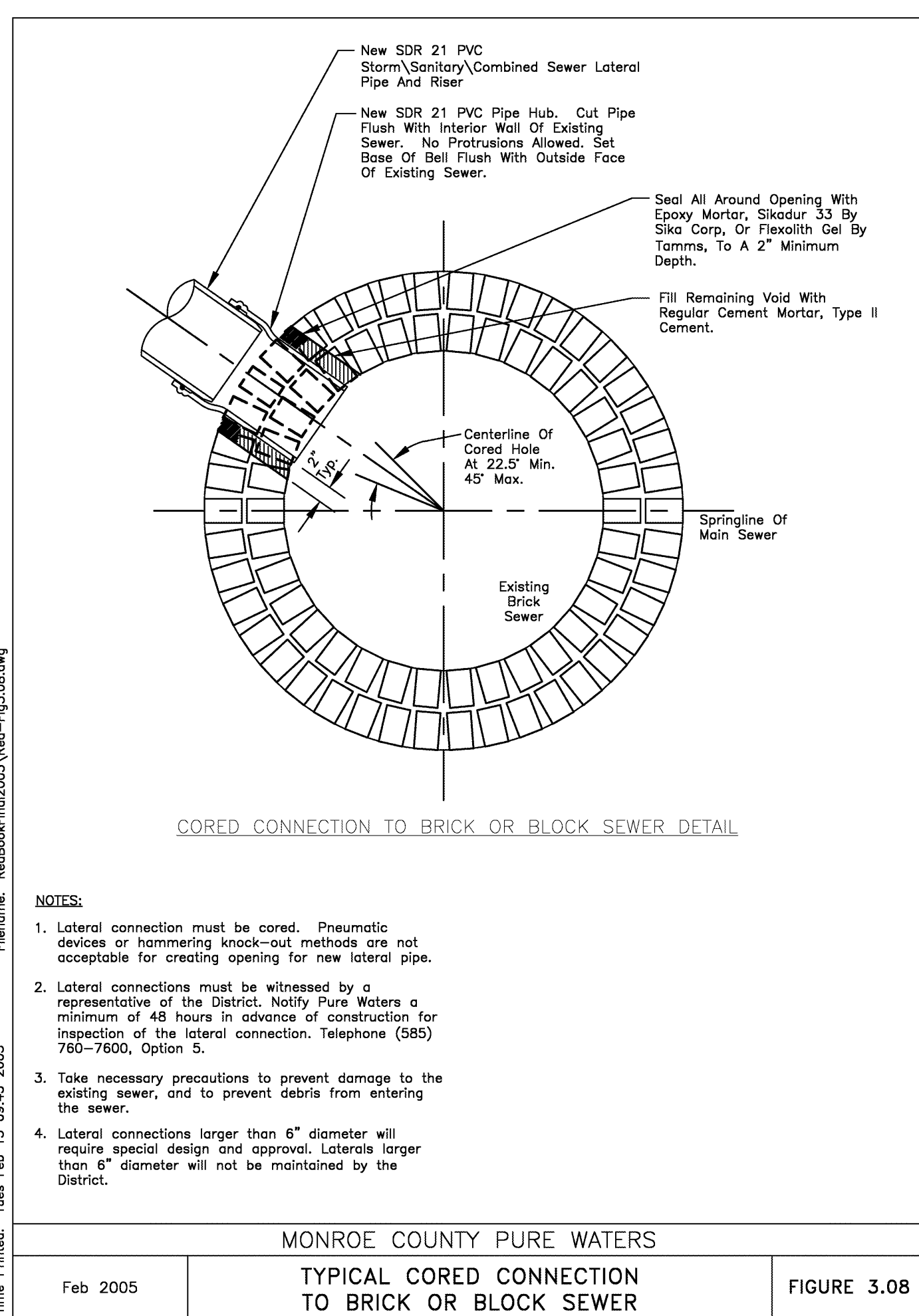
- LENGTH OF STRAIGHT CURB WILL BE AS REQUIRED IN CONTRACT DOCUMENTS, WITH 6 FEET MINIMUM.
- TRANSITION LAST 3 TO 5 FEET OF STRAIGHT CURB FROM DOWN TO TOP OF EXISTING CURB.

* THIS DETAIL APPLIES FOR BOTH ADD ALTERNATE 2 AND BASE BID.

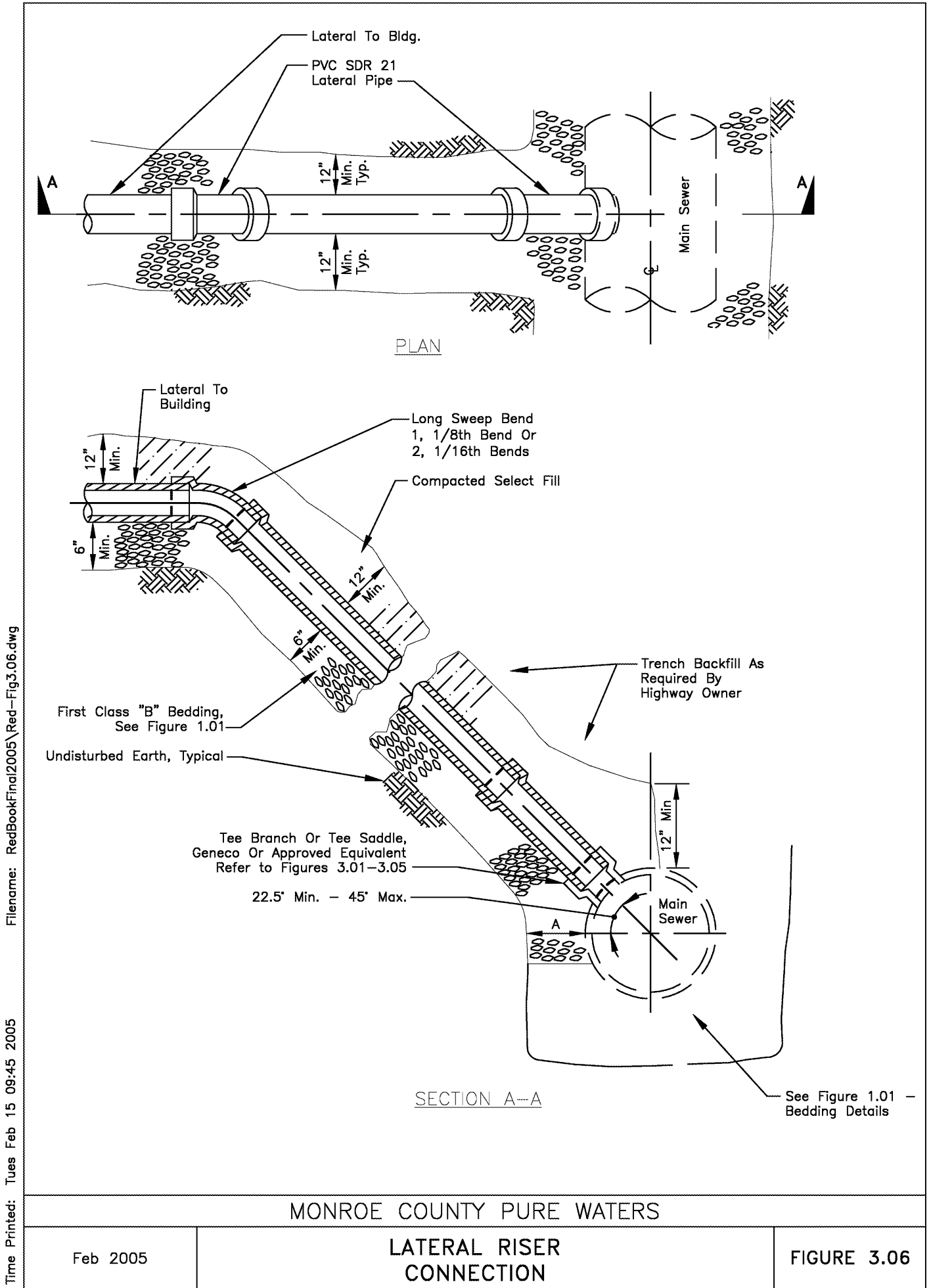
4 CITY OF ROCHESTER NEW CURB TRANSITION TO EXISTING CURB
SCALE: NTS



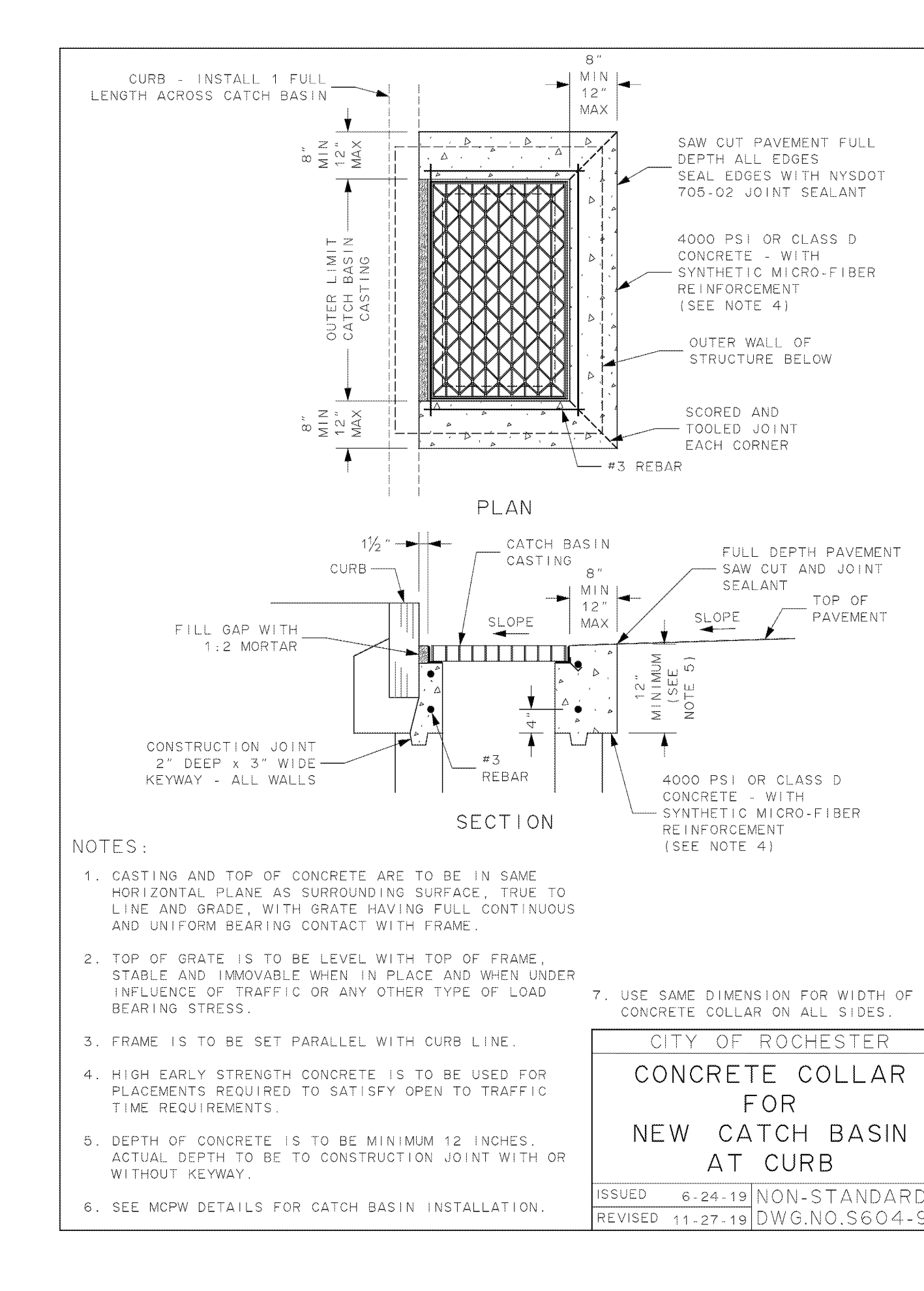
MONROE COUNTY PURE WATERS
Feb 2005
BEDDING DETAILS
FIGURE 1.01



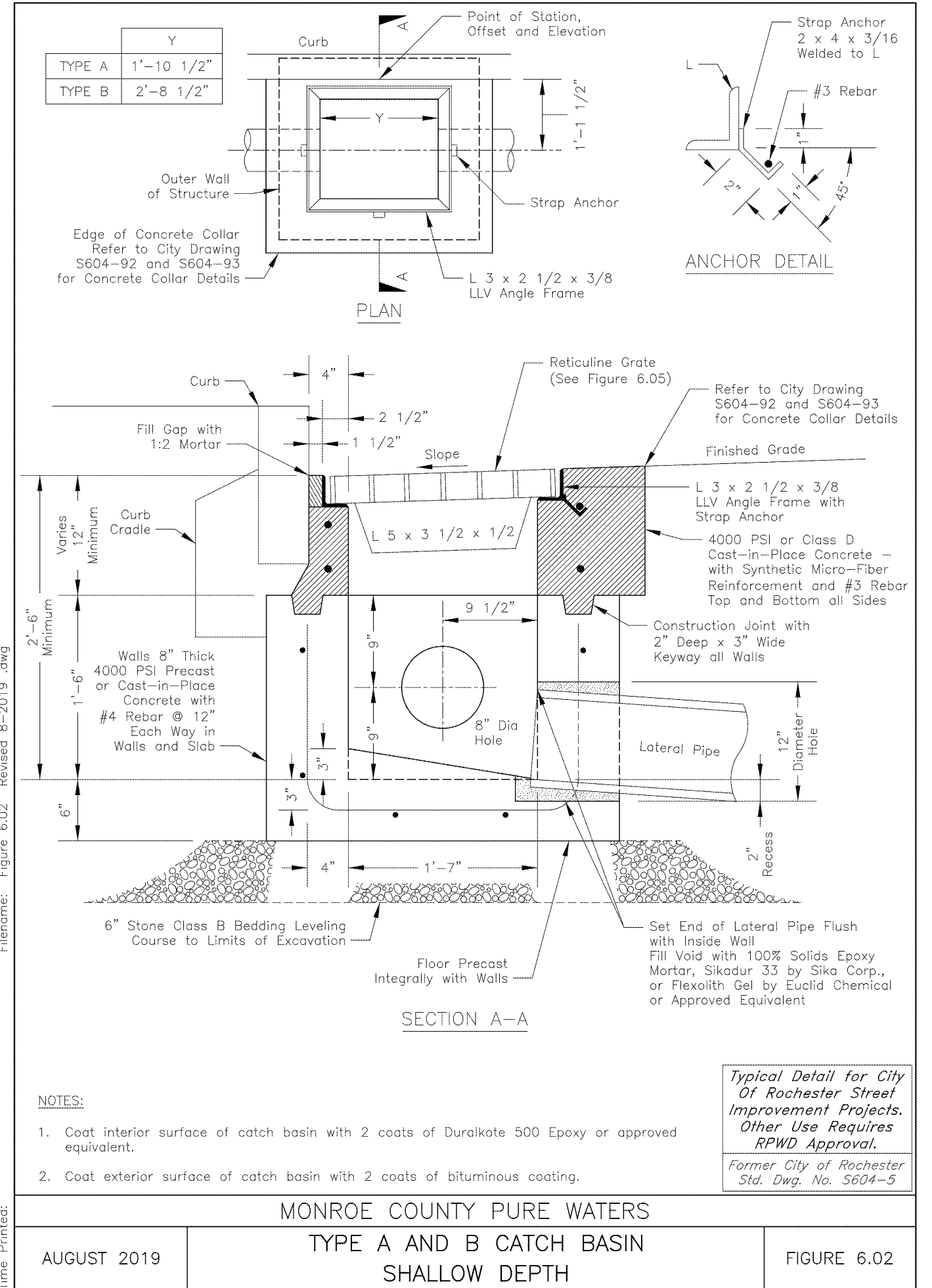
MONROE COUNTY PURE WATERS
Feb 2005
TYPICAL CORED CONNECTION TO BRICK OR BLOCK SEWER
FIGURE 3.08



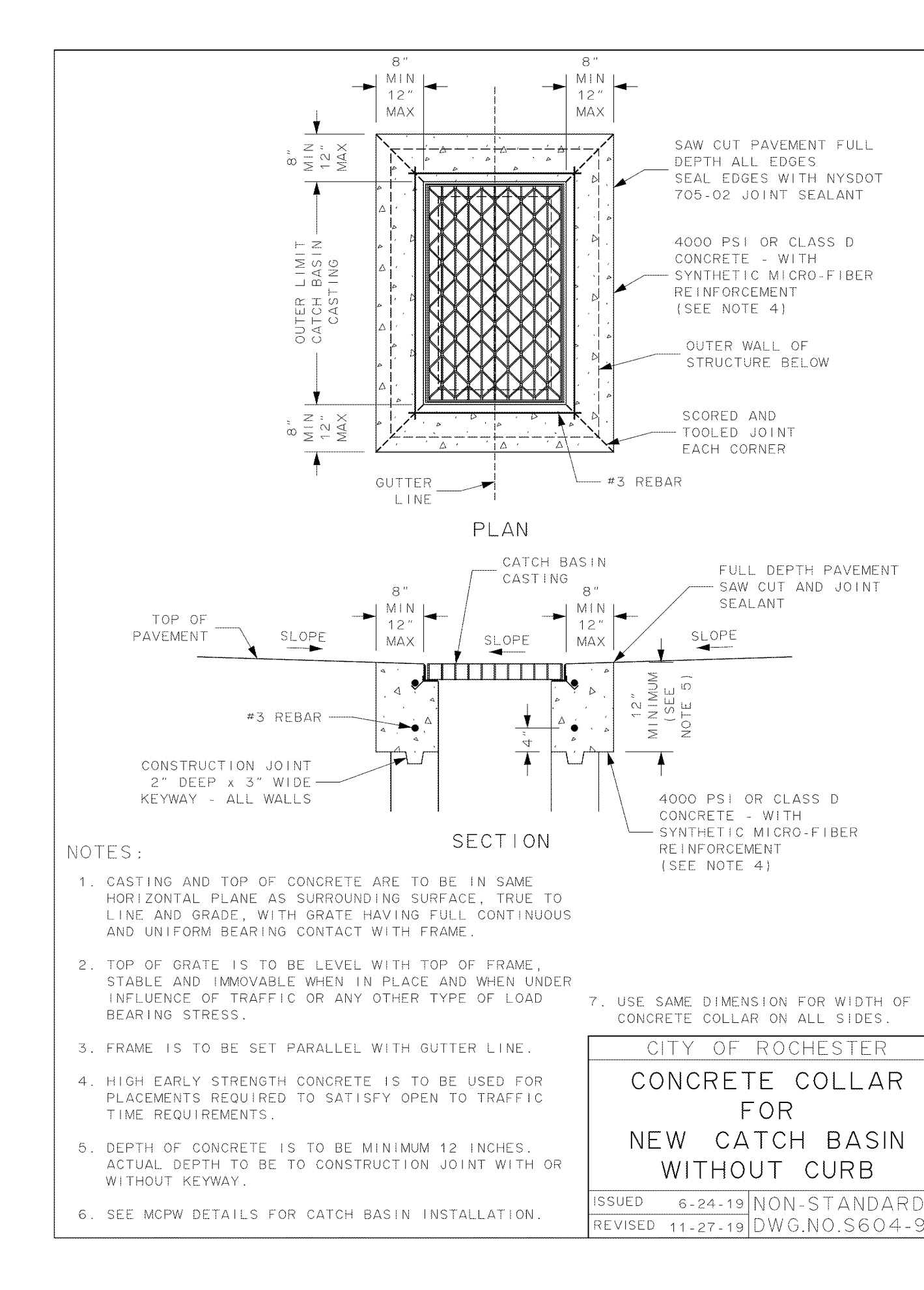
MONROE COUNTY PURE WATERS
Feb 2005
LATERAL RISER CONNECTION
FIGURE 3.06



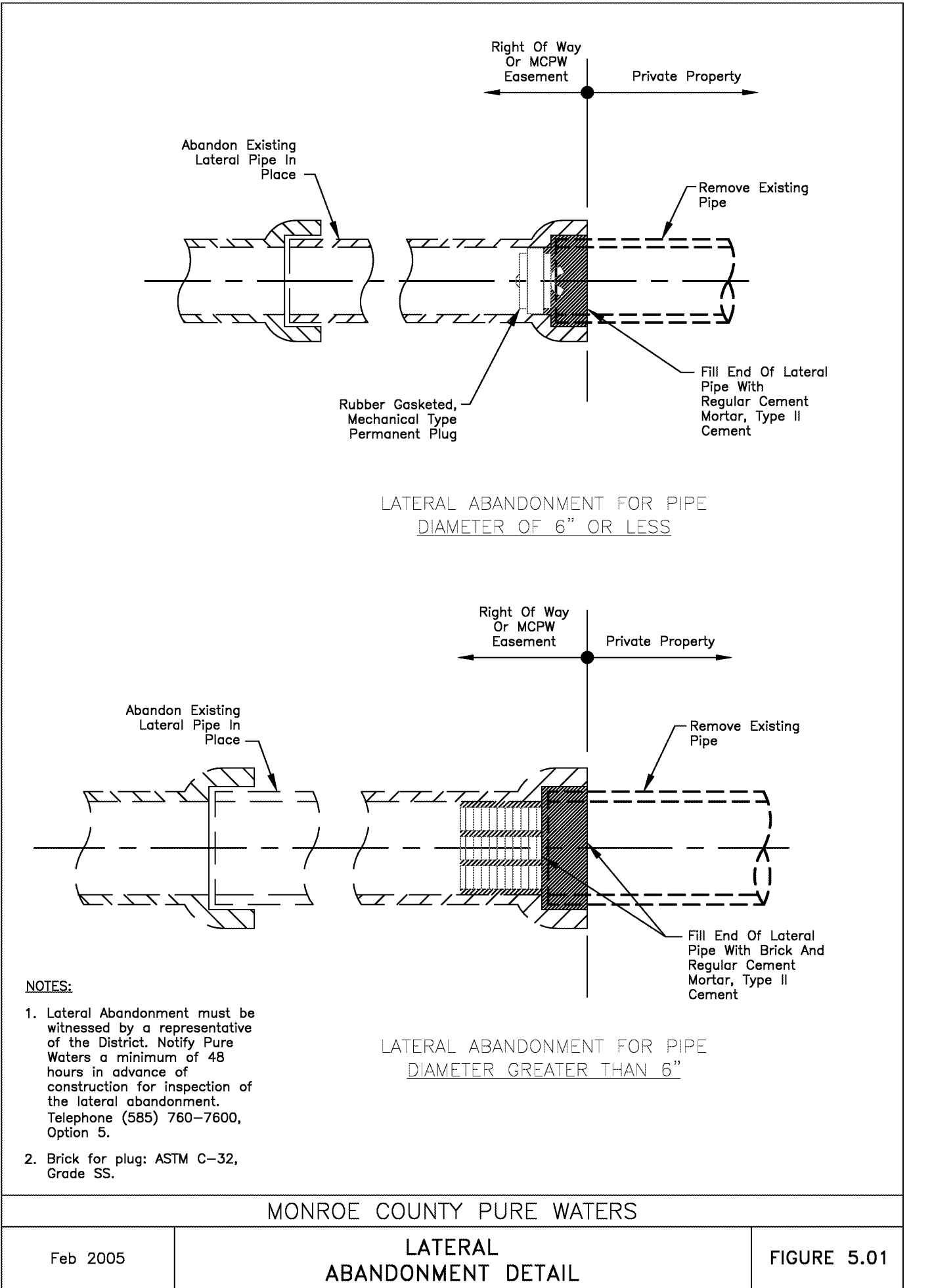
MONROE COUNTY PURE WATERS
Feb 2005
CONCRETE COLLAR FOR NEW CATCH BASIN AT CURB
FIGURE 6.02



MONROE COUNTY PURE WATERS
Feb 2005
CONCRETE COLLAR FOR NEW CATCH BASIN WITHOUT CURB
FIGURE 6.02



MONROE COUNTY PURE WATERS
Feb 2005
LATERAL ABANDONMENT DETAIL
FIGURE 5.01



MONROE COUNTY PURE WATERS
Feb 2005
TYPE A AND B CATCH BASIN SHALLOW DEPTH
FIGURE 6.02

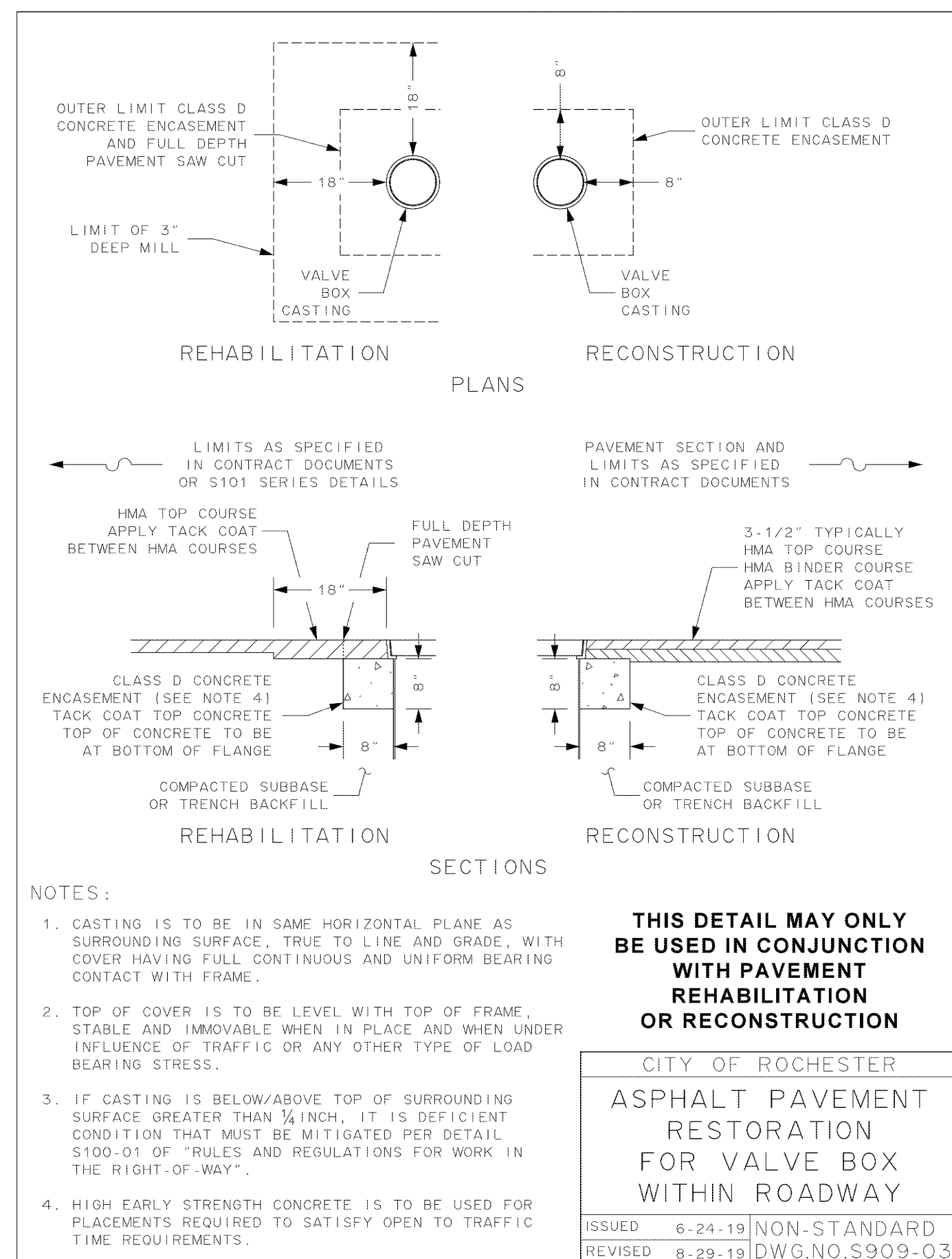
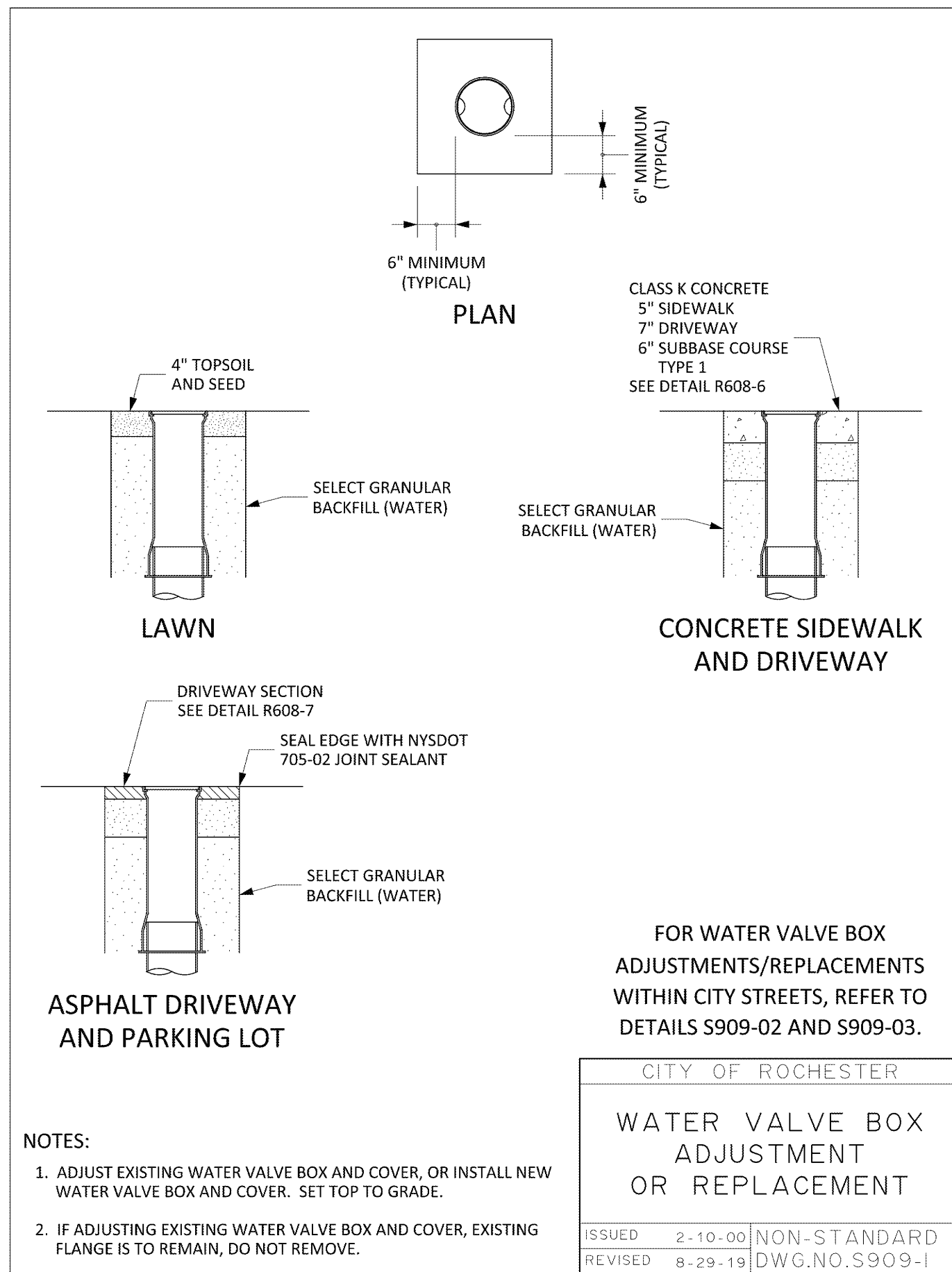


MONROE COUNTY PURE WATERS
Feb 2005
CONCRETE COLLAR FOR NEW CATCH BASIN WITH CURB
FIGURE 6.02

Revisions

No.	Description

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FILE PATH: May 01, 2020, 12:25pm



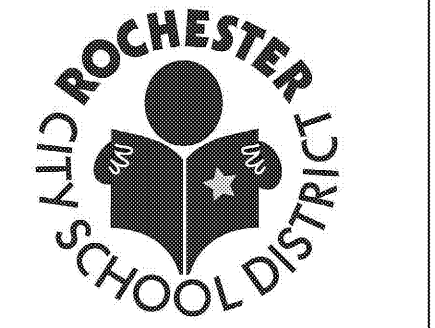
1 ADD ALTERNATE 2 - WATER VALVE BOX ADJUSTMENT OR REPLACEMENT
SCALE: NTS

2 ADD ALTERNATE 2 - ASPHALT PAVEMENT RESTORATION AT WATER VALVE BOX WITHIN ROADWAY
SCALE: NTS

FILE PATH: D:\2016\16068 RPC No. 16 Spencer\1B CAD\CIV\16068_util_det_cross_sump.dwg
May 01, 2020, 12:26pm

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26-16-00-01-0-016-020

Drawn By: HN
Checked By: KJW
Project Manager: KJW

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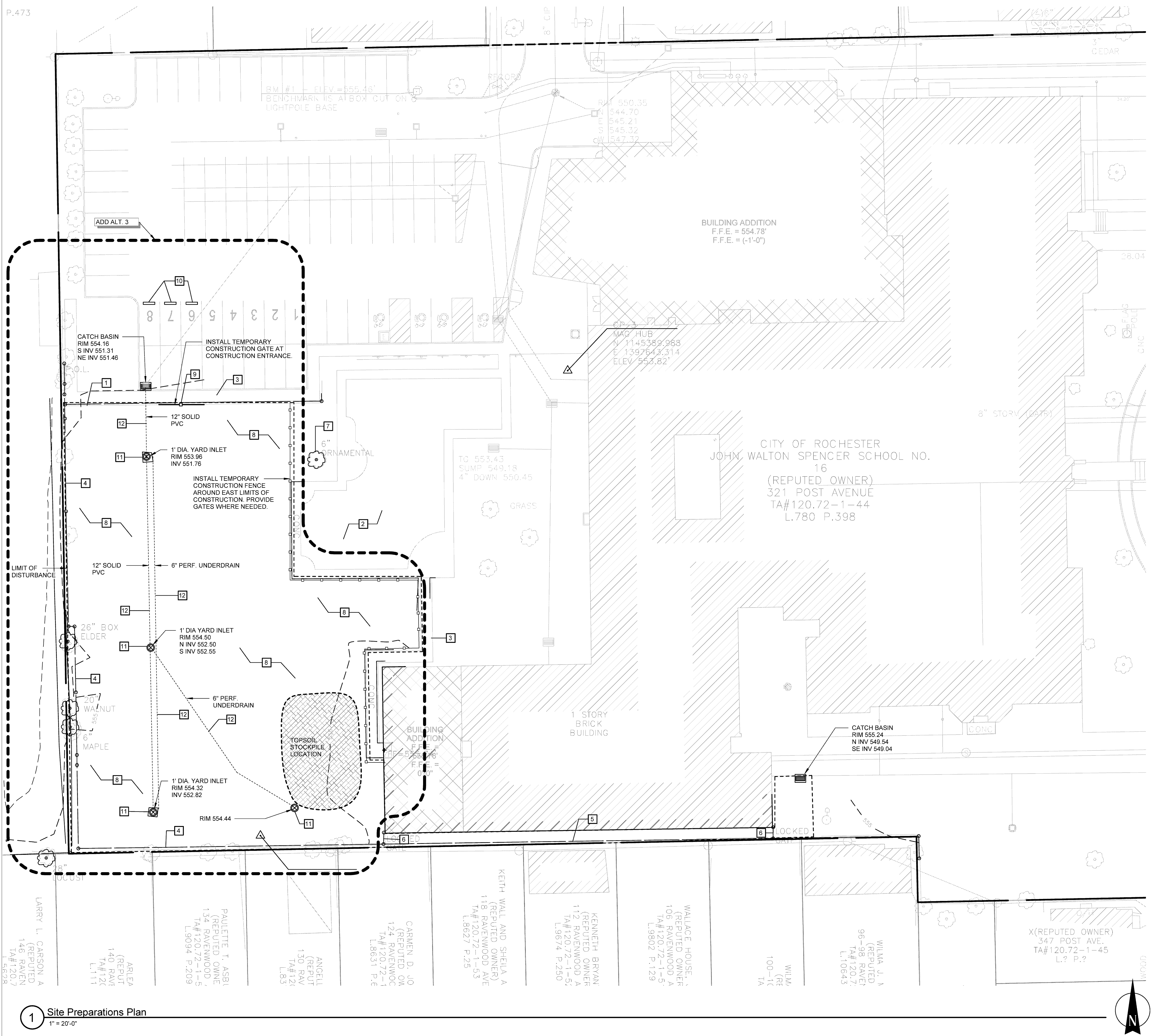
Revisions

John Walton Spencer
School 16
321 Post Avenue
Rochester, NY 14619
SWBR Project Number 16158.00

Rochester Joint Schools
Construction Board
70 Carlson Street, Suite 200
Rochester, NY 14610

C-503.1
CIVIL UTILITY DETAILS

May 6, 2020
Bid Set



SITE PREPARATIONS NOTES

1. ALL REQUIRED DEMOLITION PERMITS MUST BE OBTAINED FROM ALL REQUIRED AGENCIES PRIOR TO COMMENCEMENT OF WORK.
2. THE UNDERGROUND STRUCTURES AND UTILITIES SHOWN ON THIS MAP HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS, RECORD MAPS, AND AS-BUILT DRAWING INFORMATION PROVIDED BY THE CONTRACTOR. THEY ARE NOT CERTIFIED TO THE ACCURACY OF THEIR LOCATION AND/OR COMPLETENESS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND EXTENT OF ALL UNDERGROUND STRUCTURES AND UTILITIES PRIOR TO ANY DIGGING OR CONSTRUCTION ACTIVITIES IN THEIR VICINITY.
3. THE CONTRACTOR SHALL NOTIFY DIG SAFELY NEW YORK (1-800-962-7962) FOR A UTILITY STAKEOUT 48 HOURS IN ADVANCE OF COMMENCING WORK. STAKEOUT OF PRIVATE UTILITIES SHALL BE COORDINATED WITH THE OWNER.
4. PROPER FENCING OR PUBLIC PROTECTION DEVICES MUST BE CONSTRUCTED AND MAINTAINED AROUND THE PERIMETER OF THE SITE AT ALL TIMES DURING DEMOLITION AND CONSTRUCTION PHASES.
5. CONTRACTOR TO GORDON OFF WORK LIMITS APPROPRIATELY AND KEEP AREAS OUTSIDE OF WORK LIMITS CLEAR AND CLEAN OF CONSTRUCTION DEBRIS DURING DEMOLITION AND CONSTRUCTION PHASES.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTROL DUST, DIRT, AND DEBRIS DURING DEMOLITION AND CONSTRUCTION PHASES.
7. CONTRACTOR SHALL FOLLOW ALL LOCAL, STATE, AND FEDERAL REGULATIONS IN DISPOSING OF DEMOLISHED MATERIALS REMOVED FROM THIS SITE. ALL MATERIAL NOTED TO BE REMOVED SHALL BE DISPOSED OFF-SITE.
8. PROTECT EXISTING TREES AS NOTED ON THE DRAWINGS PER DETAILS AND AS DIRECTED BY THE OWNER.
9. TREE PROTECTION AND EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO CLEARING OR CONSTRUCTION.
10. REPAIR ANY MATERIAL DAMAGED DURING CONSTRUCTION WITH THE SAME MATERIAL AS ADJACENT SURFACE AS DIRECTED BY THE LANDSCAPE ARCHITECT.

SITE PREPARATIONS KEY

NO.	DESCRIPTION
1	PRESERVE AND PROTECT DECORATIVE ALUMINUM FENCE IN PLACE
2	PRESERVE AND PROTECT PLAYGROUND IN PLACE
3	PRESERVE AND PROTECT CONCRETE SIDEWALK IN PLACE.
4	PRESERVE AND PROTECT CHAIN LINK FENCE IN PLACE.
5	REMOVE AND SALVAGE CHAIN LINK FENCE TO INSTALL CONCRETE GUTTER SYSTEM. RE-SET IN EXISTING LOCATIONS AT COMPLETION OF PROJECT.
6	REMOVE AND SALVAGE CHAIN LINK FENCE GATE TO INSTALL CONCRETE GUTTER SYSTEM. RE-SET IN EXISTING LOCATIONS AT COMPLETION OF PROJECT.
7	TREE TO REMAIN. PROTECT IN PLACE
8	STRIP TOP SOIL TO DEPTH OF 6" (MIN.) AND STOCKPILE FOR REUSE ON SITE IN AN AREA AS SHOWN ON PLANS OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. IMMEDIATELY SURROUND WITH SILT FENCE. EXCESS TOPSOIL NOT UTILIZED FOR RESTORATION SHALL BE HAULED OFF SITE.
9	REMOVE AND SALVAGE 2 FENCE PANELS & 1 POST TO CREATE TEMPORARY CONSTRUCTION ENTRANCE. RE-SET IN EXISTING LOCATIONS AT COMPLETION OF PROJECT.
10	INSTALL TEMPORARY 'NO PARKING - CONSTRUCTION ZONE' SIGNS FOR SPOTS '6', '7', & '8'.
11	REMOVE 1' DIA YARD INLET
12	REMOVE PIPE AND DISPOSE FROM SITE

SITE PREPARATIONS LEGEND

- EXISTING TOPSOIL TO BE STRIPPED & STOCKPILED ON SITE.
 - TEMPORARY CONSTRUCTION FENCE
 - WORK LIMIT LINE
 - ALTERNATE BOUNDARY
- NOTE: ALL ITEMS OUTSIDE OF ALTERNATE BOUNDARY LINES ARE CONSIDERED PART OF BASE-BID.

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ROCHESTER CITY SCHOOL DISTRICT

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Drawn By: MMF
 Checked By: DPN
 Project Manager: AMS

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Revisions

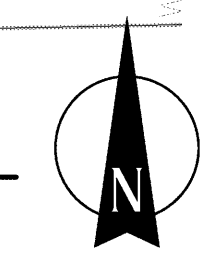
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 SWBR Project Number 16155.16

Rochester Joint Schools
 Construction Board
 70 Carlson Street, Suite 200
 Rochester, NY 14610

L-100.1
 Existing Conditions &
 Site Preparation Plan

May 6, 2020
 Bid Set

1 Site Preparations Plan
 1" = 20'-0"



GENERAL STRUCTURAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, ELEVATIONS, AND PLUMBNESS OF EXISTING CONSTRUCTION AS SHOWN AND IMMEDIATELY REPORT TO THE ARCHITECT ANY DISCREPANCIES OR OMISSIONS PRIOR TO CONSTRUCTION OR FABRICATION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACCURATELY DETERMINE THE ACTUAL DIMENSIONS, ELEVATIONS, AND PLUMBNESS OF EXISTING WORK.
2. ALL EXISTING CONSTRUCTION ADJACENT TO NEW WORK IS TO BE ADEQUATELY SUPPORTED DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY NEW OR EXISTING WORK DAMAGED WHILE WORK IS IN PROGRESS TO THE SATISFACTION OF THE ARCHITECT.
3. THE SUPPLIERS OF PRECAST, GLASS AND OTHER ARCHITECTURAL ITEMS ARE RESPONSIBLE FOR THE CONNECTIONS OF SAME TO THE STRUCTURAL FRAMING SYSTEM.
4. CONTRACTOR IS RESPONSIBLE TO COORDINATE REQUIRED SPECIAL INSPECTIONS AS LISTED ON THIS DRAWING WITH THE PROJECT SPECIAL INSPECTOR.

WIND LOAD DESIGN DATA (MECHANICAL UNIT SCREEN WALL AT EXISTING ROOF ONLY):

BASIC WIND SPEED..... 120 MPH
 BUILDING RISK CATEGORY..... III
 WIND EXPOSURE..... B
 INTERNAL PRESSURE COEFFICIENT..... +/-0.18

COMPONENTS AND CLADDING PER ASCE 7-10 (FLAT ROOF)							
TYPE	ZONE	LOCATION	NET WIND DESIGN PRESSURE (PSF)				
			WIND AREA				
			10 SF	20 SF	50 SF	100 SF	500 SF
ROOF	1	INTERIOR	12.5	11.8	10.7	9.9	-
			-30.8	-30.0	-29.0	-28.2	-
	2	END	12.5	11.8	10.7	9.9	-
			-51.8	-46.2	-38.9	-33.4	-
	3	CORNER	12.5	11.8	10.7	9.9	-
			-77.8	-64.5	-46.8	-33.4	-
WALL	4	INTERIOR	30.8	29.4	27.6	26.2	23.0
			-33.4	-32.0	-30.2	-28.8	-25.6
	5	END	30.8	29.4	27.6	26.2	23.0
			-41.3	-38.6	-34.9	-32.0	-25.6

NOTE: WIND PRESSURES NOTED ON TABLE SHALL BE USED TOGETHER WITH LOAD COMBINATIONS AS REQUIRED PER ASCE 7-10 CODE.

FOUNDATION NOTES:

1. PROVIDE TEMPORARY OR PERMANENT SUPPORTS, WEATHER SHORING, SHEETING, OR BRACING, SO THAT NO HORIZONTAL MOVEMENT AND/OR VERTICAL SETTLEMENT OCCUR TO EXISTING STRUCTURES, STREETS, SOIL, OR UTILITIES ADJACENT TO OR IN THE PROJECT SITE.
2. CARRY OUT A CONTINUOUS CONTROL OF SURFACE AND SUBSURFACE WATER DURING CONSTRUCTION SUCH THAT FOUNDATION WORK IS PERFORMED IN DRY AND ON UNDISTURBED SUBGRADE MATERIAL. THE CONTINUOUS WATER CONTROL SHALL BE CONDUCTED UNTIL THE PERMANENT DEWATERING SYSTEM PER THE DRAWINGS IS IN-PLACE.
3. PROTECT IN-PLACE FOUNDATIONS AND SLABS FROM FROST PENETRATION UNTIL THE PROJECT IS COMPLETED.
4. ACKFILL EVENLY UP BOTH SIDES OF FOUNDATION WALLS TO PREVENT UNBALANCED LOADING. WALLS NOTED AS RETAINING WALLS MAY BE BACKFILLED PRIOR TO ERECTION OF STRUCTURAL STEEL U.O.N. ON PLANS.

STRUCTURAL MASONRY NOTES:

1. STRUCTURAL CONCRETE UNIT MASONRY SHALL HAVE A COMPRESSIVE STRENGTH OF $f_m = 2,000$ PSI DETERMINED BY THE UNIT STRENGTH METHOD.
2. ALL CONCRETE MASONRY UNITS SHALL CONFORM TO THE ASTM C90, TYPE I, EXCEPT THAT THE MINIMUM COMPRESSIVE STRENGTH OF THE UNITS SHALL BE 2,800 PSI ON THE NET CROSS-SECTIONAL AREA OF THE BLOCK. ALL UNITS SHALL BE 2 CORE, NORMAL WEIGHT BLOCK.
3. ALL MORTAR FOR EXTERIOR OR LOAD BEARING CONCRETE MASONRY SHALL CONFORM TO ASTM C270, TYPE S, WITH A MINIMUM COMPRESSIVE STRENGTH OF 1,800 PSI AT 28 DAYS. ALL MORTAR FOR BELOW GRADE CONSTRUCTION SHALL CONFORM TO ASTM C270, TYPE M. ALL OTHER MORTAR SHALL CONFORM TO ASTM C270, TYPE N, WITH A MINIMUM COMPRESSIVE STRENGTH OF 750 PSI AT 28 DAYS.
4. GROUT FOR FILLING BLOCK CORES SHALL CONFORM TO ASTM C476, COARSE GROUT, WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS. GROUT SHALL BE PLACED IN LIFTS NOT EXCEEDING 4 FEET IN HEIGHT. TEST GROUT COMPRESSIVE STRENGTH BY ASTM C1019.
5. ALL MASONRY WALLS SHALL BE ADEQUATELY BRACED PRIOR TO BACKFILLING.
6. ALL MASONRY WALLS SHALL BE REINFORCED WITH 9-GAUGE HORIZONTAL JOINT REINFORCING, PLACED IN EVERY SECOND BED JOINT, UNLESS OTHERWISE NOTED.
7. ALL WALLS SHALL BE LAID IN RUNNING BOND.

STRUCTURAL STEEL NOTES:

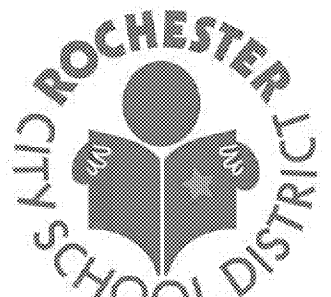
1. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN STRICT ACCORDANCE WITH THE LATEST AISC SPECIFICATIONS.
2. ALL STRUCTURAL STEEL SHAPES SHALL CONFORM TO ASTM A992, GRADE 50. STEEL PLATES SHALL CONFORM TO ASTM A36. STEEL TUBE SECTIONS SHALL CONFORM TO ASTM A500, GRADE B. STEEL PIPE SECTIONS SHALL CONFORM TO ASTM A591 OR ASTM A53, TYPES E OR S, GRADE B.
3. ALL BOLTED CONNECTIONS SHALL BE MADE WITH 3/4" DIAMETER ASTM A325 TYPE N HIGH STRENGTH BOLTS UNLESS OTHERWISE NOTED. ALL HIGH STRENGTH BOLTS SHALL BE TIGHTENED TO WITHIN 70% OF THEIR SPECIFIED MINIMUM TENSILE STRENGTH. THE CONTRACTOR SHALL USE INDICATOR WASHERS, LOAD INDICATOR BOLTS, OR STANDARD BOLTING WITH FIELD TESTING TO VERIFY PROPER INSTALLATION. TURN OF THE NUT METHOD IS ACCEPTABLE. NO FIELD BURNING OF HOLES WILL BE PERMITTED. LOAD INDICATOR BOLTS SHALL BE TIGHTENED UNTIL THE SPLINED END SNAPS OFF.
4. ALL WELDS SHALL BE MADE IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE AWS, USING E70 ELECTRODES. PROVIDE FIELD TOUCH-UP PAINT TO MATCH SHOP-APPLIED PRIMER WHERE PAINT HAS BEEN BURNED OFF.
5. LINTELS IN EXTERIOR WALL AND ALL STEEL EXPOSED TO WEATHER SHALL BE GALVANIZED. SEE SPECIFICATIONS.

REQUIRED SPECIAL INSPECTIONS:

THE FOLLOWING DENOTES THE SPECIAL INSPECTION PROGRAM AS REQUIRED UNDER CHAPTER 17 OF THE BUILDING CODE OF NEW YORK STATE FOR THIS PROJECT.

LIST OF WORK REQUIRING SPECIAL INSPECTION:

1. STEEL CONSTRUCTION PER NYS CODE TABLE 1704.3
2. MASONRY CONSTRUCTION LEVEL 1 INSPECTION PER NYS CODE TABLE 1704.5.1
3. SOILS - VERIFICATION OF FILL PLACEMENT AND EVALUATION OF IN-PLACE DENSITY PER THE APPROVED SOILS REPORT (NYS CODE TABLE 1704.7, TASKS 3 & 4).



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S.E.D. CONTROL NUMBERS

26-16-00-01-0-016-020

Drawn By: GG
 Checked By: MEK
 Project Manager: AMS

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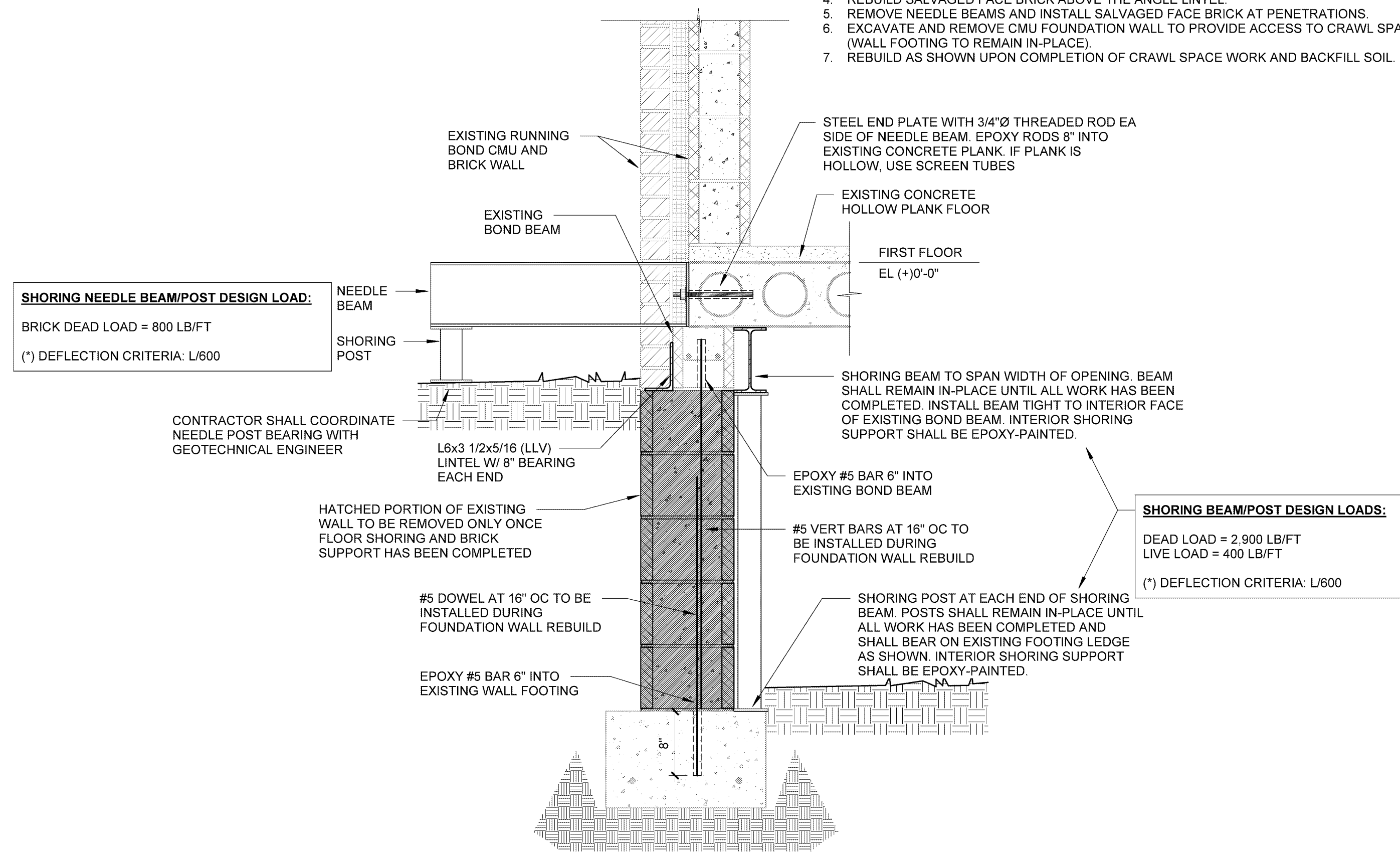
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S-001.1
 GENERAL
 STRUCTURAL
 NOTES & DESIGN
 CRITERIA

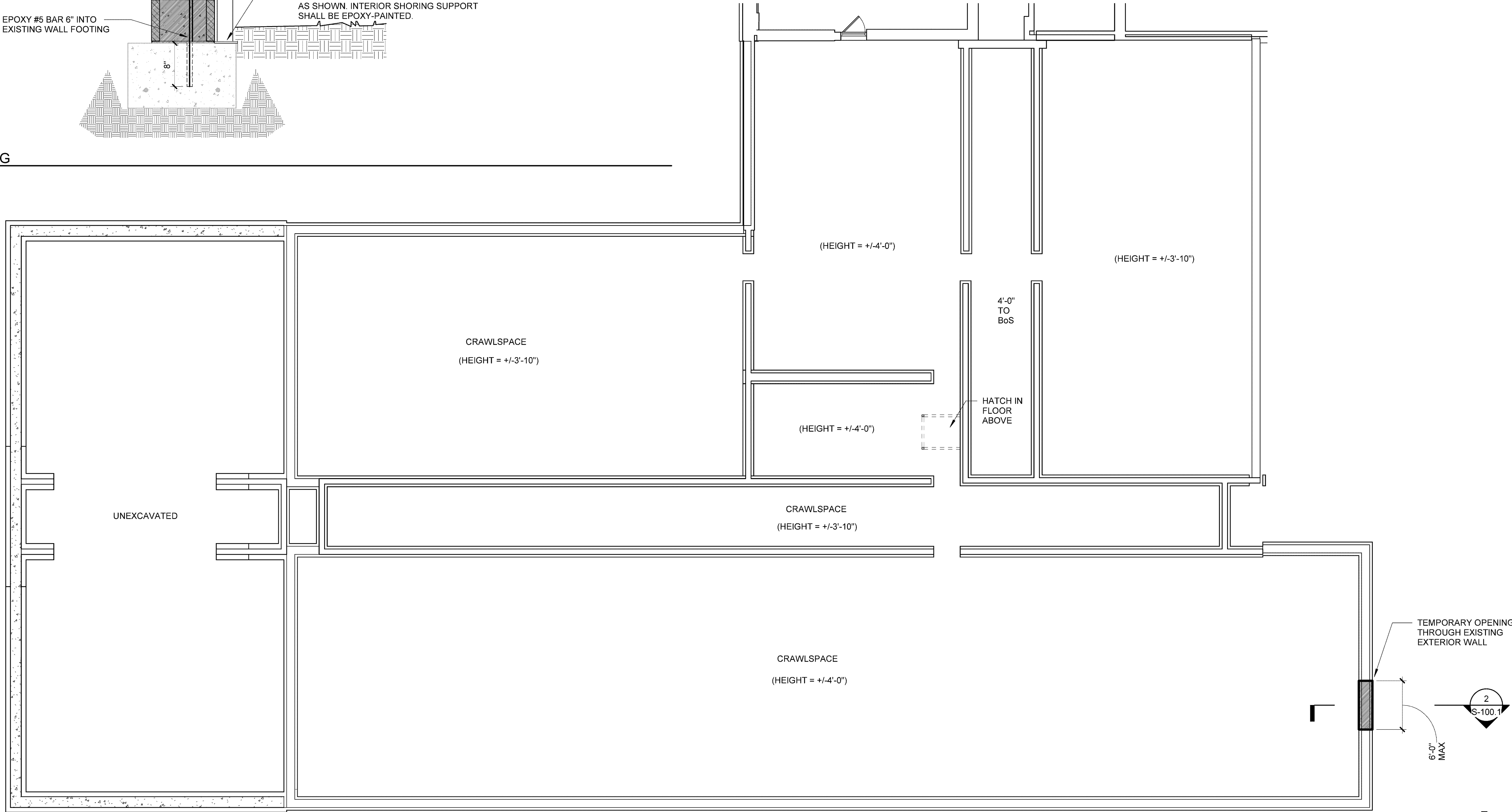
May 6, 2020
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NOTES:
 1. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL SHORING INCLUDING DESIGN AND IMPLEMENTATION. SHORING INDICATED ON THIS DETAIL IS FOR ILLUSTRATIVE PURPOSES ONLY.
 2. SOIL REMOVED FOR ACCESS AT EXTERIOR SIDE SHALL BE REPLACED WITH COMPACTED BACKFILL.

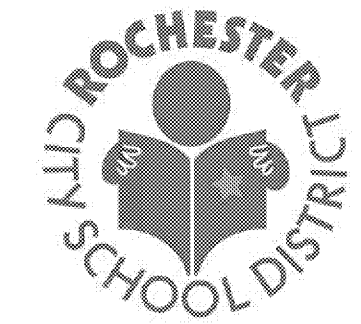
- FACE BRICK LINTEL INSTALLATION PROCEDURE:**
1. NEEDLE BEAMS THROUGH WALL ABOVE PROPOSED OPENING AT 4'-0" OC MAX AND SUPPORT WITH SHORING POSTS AND END PLATE AGAINST EXISTING CONCRETE PLANK FLOOR. POSTS SHALL BEAR ON A SUITABLE LOAD BEARING SURFACE ADEQUATE TO SUPPORT TEMPORARY LOAD FROM THE NEEDLE BEAMS. (3) NEEDLE BEAMS AS MINIMUM, ONE AT EACH END OF FOUNDATION WALL OPENING AND ONE AT MID SPAN.
 2. CUT, REMOVE AND SALVAGE FACE BRICK WHERE POSSIBLE BELOW NEEDLE BEAMS.
 3. INSTALL FACE BRICK LINTEL.
 4. REBUILD SALVAGED FACE BRICK ABOVE THE ANGLE LINTEL.
 5. REMOVE NEEDLE BEAMS AND INSTALL SALVAGED FACE BRICK AT PENETRATIONS.
 6. EXCAVATE AND REMOVE CMU FOUNDATION WALL TO PROVIDE ACCESS TO CRAWL SPACE (WALL FOOTING TO REMAIN IN-PLACE).
 7. REBUILD AS SHOWN UPON COMPLETION OF CRAWL SPACE WORK AND BACKFILL SOIL.



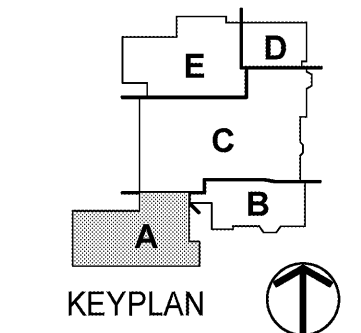
2 SECTION AT CRAWLSPACE OPENING
 1" = 1'-0"



1 ENLARGED FLOOR PLAN - CRAWLSPACE
 1/8" = 1'-0"



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Drawn By: GG
Checked By: MEK
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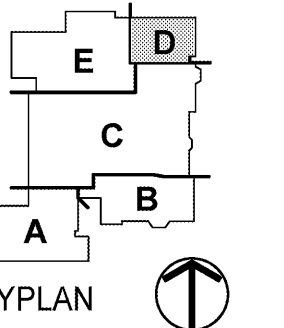
NO.	DESCRIPTION

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S-100.1
 CRAWLSPACE
 FLOOR PLAN &
 OPENING DETAIL

May 6, 2020
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26-16-00-01-0-016-020

Drawn By: GG
Checked By: MEK
Project Manager: AMS

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Revisions

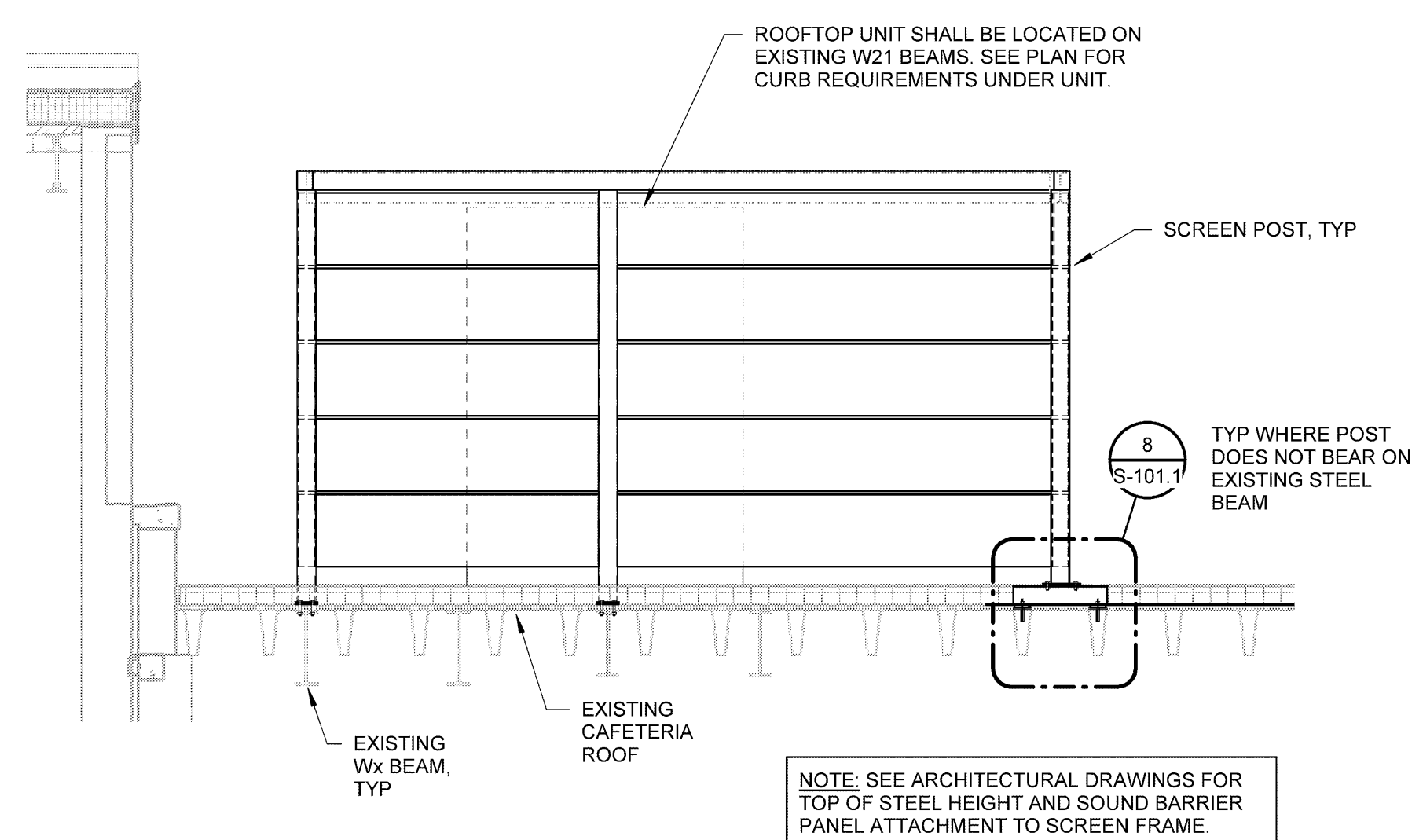
John Walton Spencer
School 16
321 Post Avenue
Rochester, NY 14619
SWBR Project Number 16158.00

Rochester Joint Schools Construction Board
70 Carlson Street, Suite 200
Rochester, NY 14610

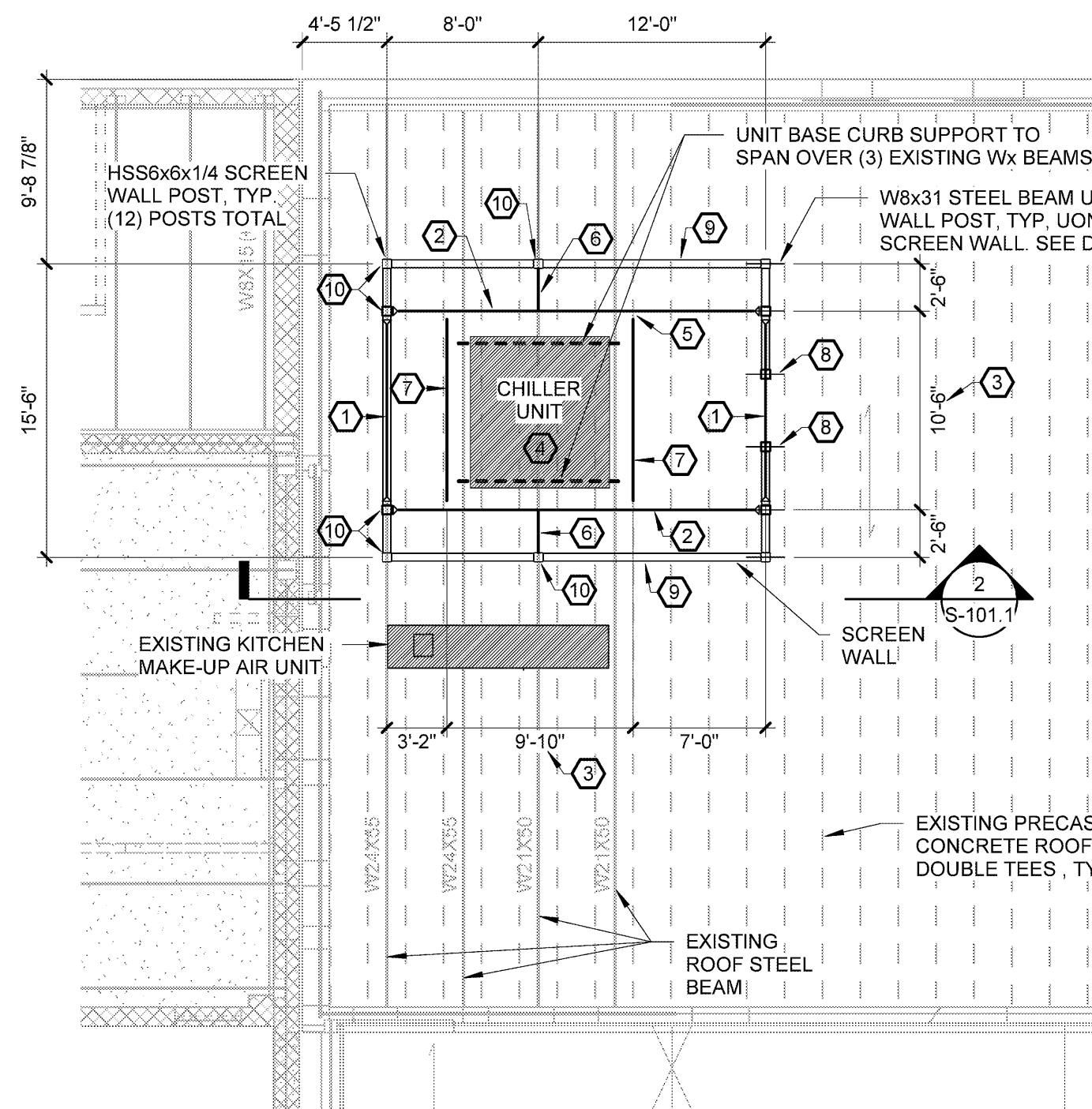
S-101.1
ACOUSTICAL
SOUND BARRIER
DETAILS

May 6, 2020
Bid Set

2 SECTION AT ACOUSTICAL SCREEN/CHILLER
1/4" = 1'-0"

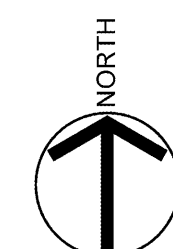


1 PARTIAL ROOF FRAMING PLAN AT CHILLER AT CAFETERIA/SERVERY
1/8" = 1'-0"

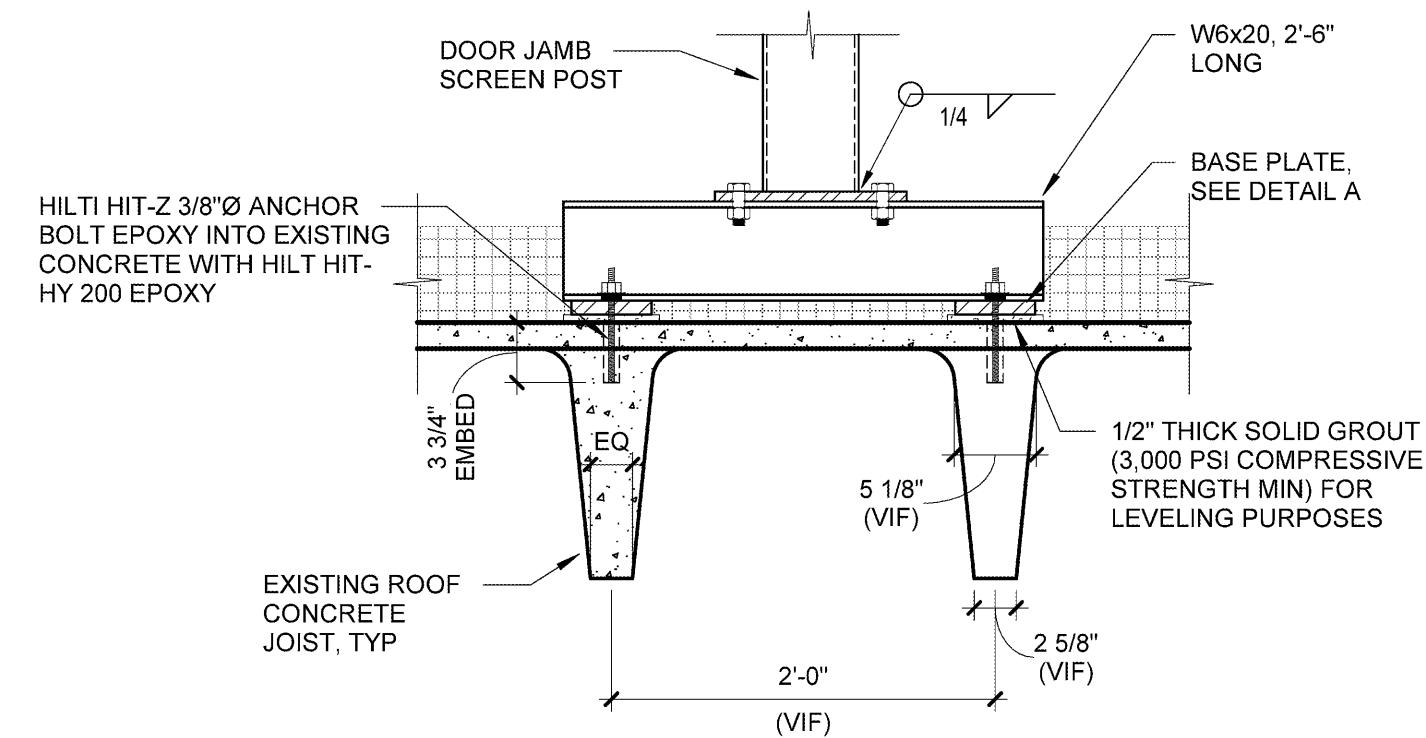


STRUCTURAL KEYNOTES

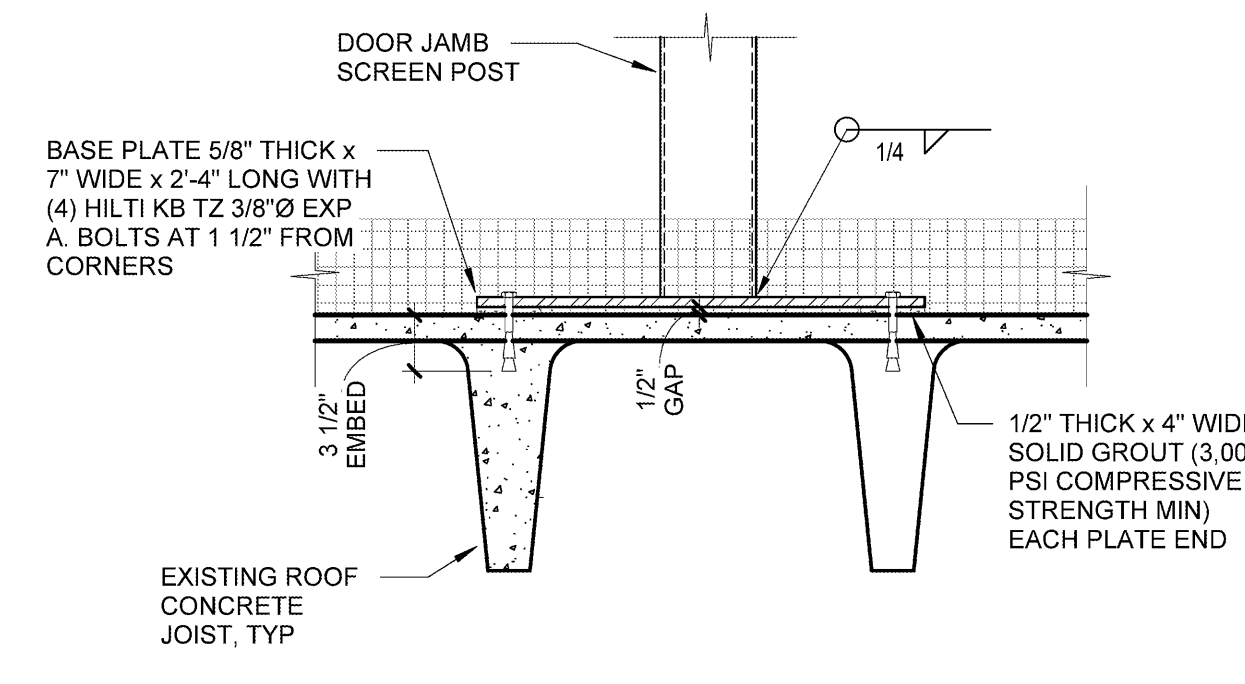
- 1 HSS6x6x1/4 BEAM AT TOP OF SCREEN WALL. SEE DETAIL 7/S-101.1 FOR BEAM/POST CONNECTION.
- 2 W10x26 BEAM AT TOP OF SCREEN. PROVIDE MOMENT CONNECTION AT EACH END PER DETAIL 3/S-101.1.
- 3 DIMENSION SHALL BE COORDINATED WITH PURCHASED ROOFTOP MECHANICAL UNIT PRIOR TO STEEL FABRICATION. MOMENT FRAMES SHALL CLEAR MECHANICAL UNIT FOR FUTURE REPLACEMENT OVERHEAD.
- 4 THE HATCHED AREA INDICATES A 3,200 LB OPERATING WEIGHT DAIKIN CHILLER MODEL AGZ050E USED AS BASIS OF DESIGN. THE UNIT OVERALL DIMENSIONS ARE 7'-4" x 7'-10" x 8'-4" (WIDTH x LENGTH x HEIGHT). THE SCREEN FRAME AND EXISTING ROOF STRENGTHENING WERE DESIGNED TO ACCOMMODATE FOR THIS UNIT, WHICH MAY OR MAY NOT BE THE ACTUAL UNIT USED FOR THE PROJECT. THE CONTRACTOR SHALL INFORM THE ARCHITECT/ENGINEER IF THE UNIT PURCHASED DOES NOT CORRESPOND TO THIS UNIT. POSSIBLE REDESIGN MAY BE REQUIRED.
- 5 SEE DETAIL 4/S-101.1 FOR TYPICAL CONNECTION OF Wx BEAM TO Wx MOMENT FRAME BEAM.
- 6 C4x4.5 HORIZONTAL BRACE FROM TOP OF HSS POST TO Wx BEAM.
- 7 W10x12 HORIZONTAL BRACE BETWEEN Wx MOMENT FRAME BEAMS.
- 8 SEE DETAIL 6/S-101.1 FOR DOOR JAMB POST BASE CONNECTION.
- 9 PROVIDE HORIZONTAL HSS5x2x3/16 AT BOTTOM OF SCREEN ONLY AT 12'-0" SPAN PORTION.
- 10 SEE DETAIL 5/S-101.1 FOR SCREEN POST CONNECTION TO EXISTING Wx BEAM UNDER ROOF STRUCTURE.



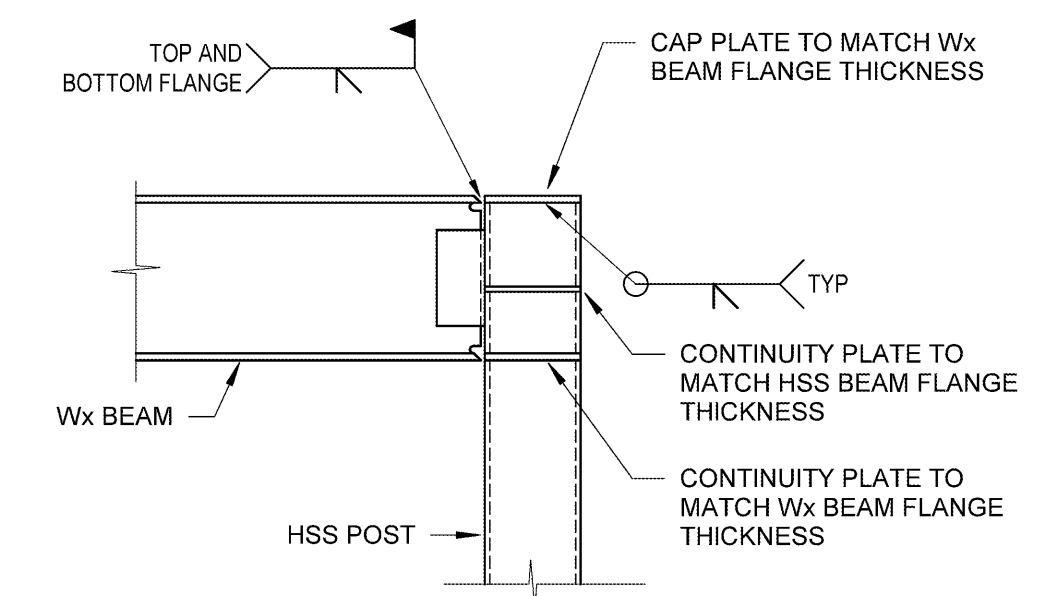
8 SECTION AT SCREEN POST BASE CONNECTION
1" = 1'-0"



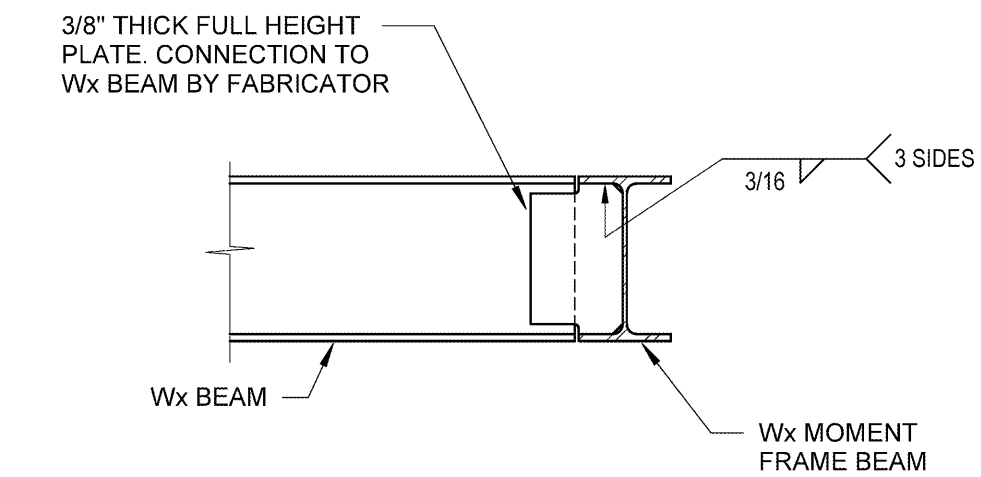
6 SECTION AT SCREEN DOOR JAMB POST BASE CONNECTION
1" = 1'-0"



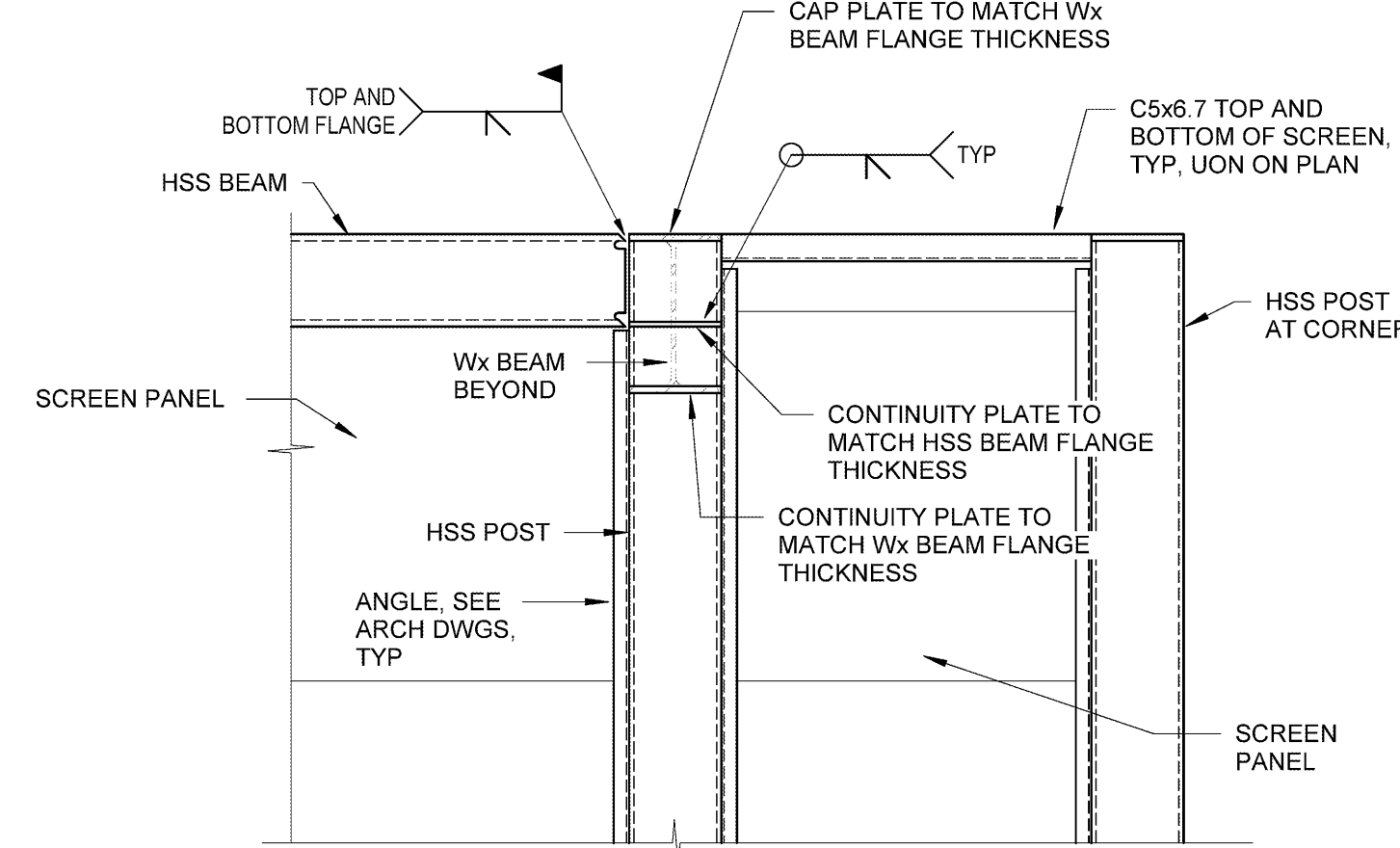
3 Wx BEAM TO HSS COL MOMENT CONNECTION
1" = 1'-0"



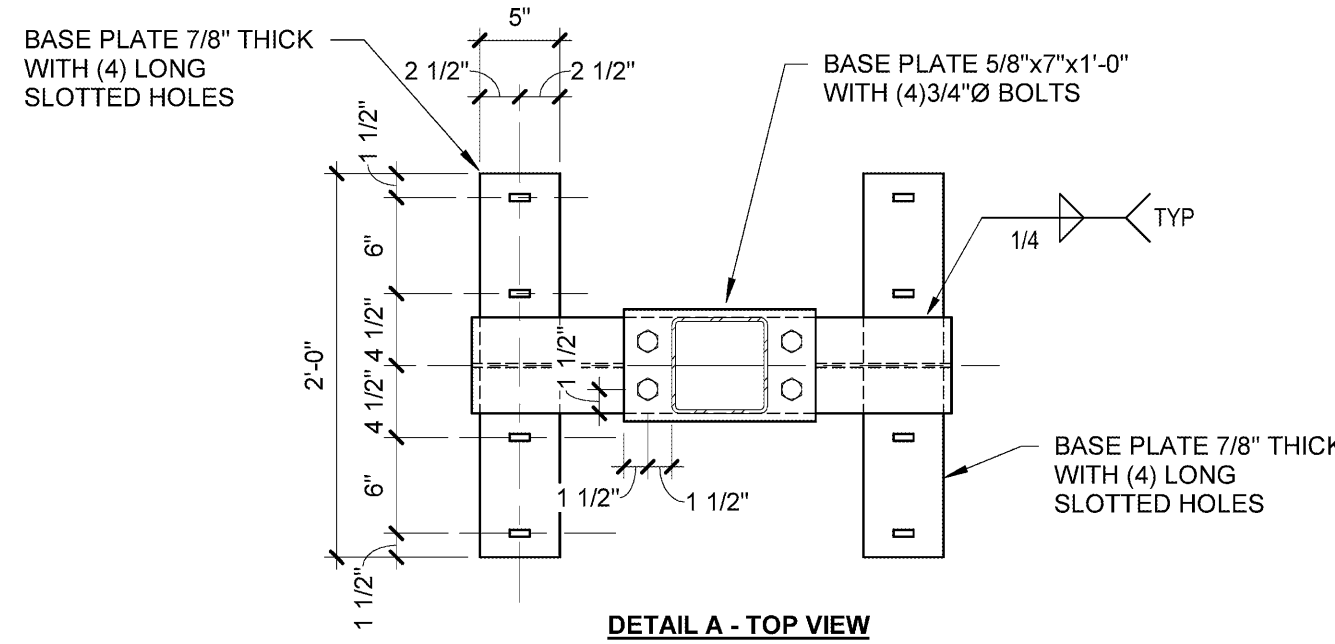
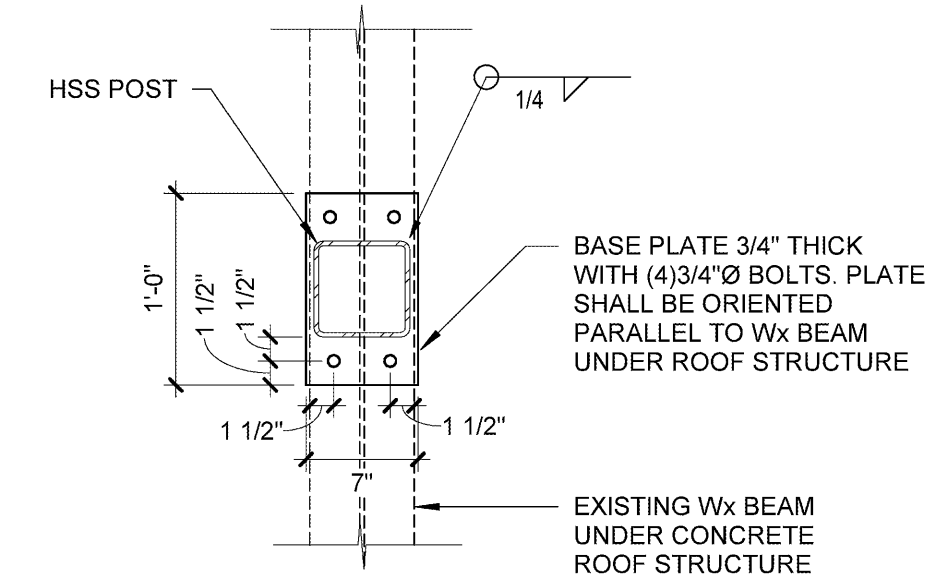
4 Wx BEAM TO Wx MOMENT FRAME BEAM CONNECTION
1" = 1'-0"



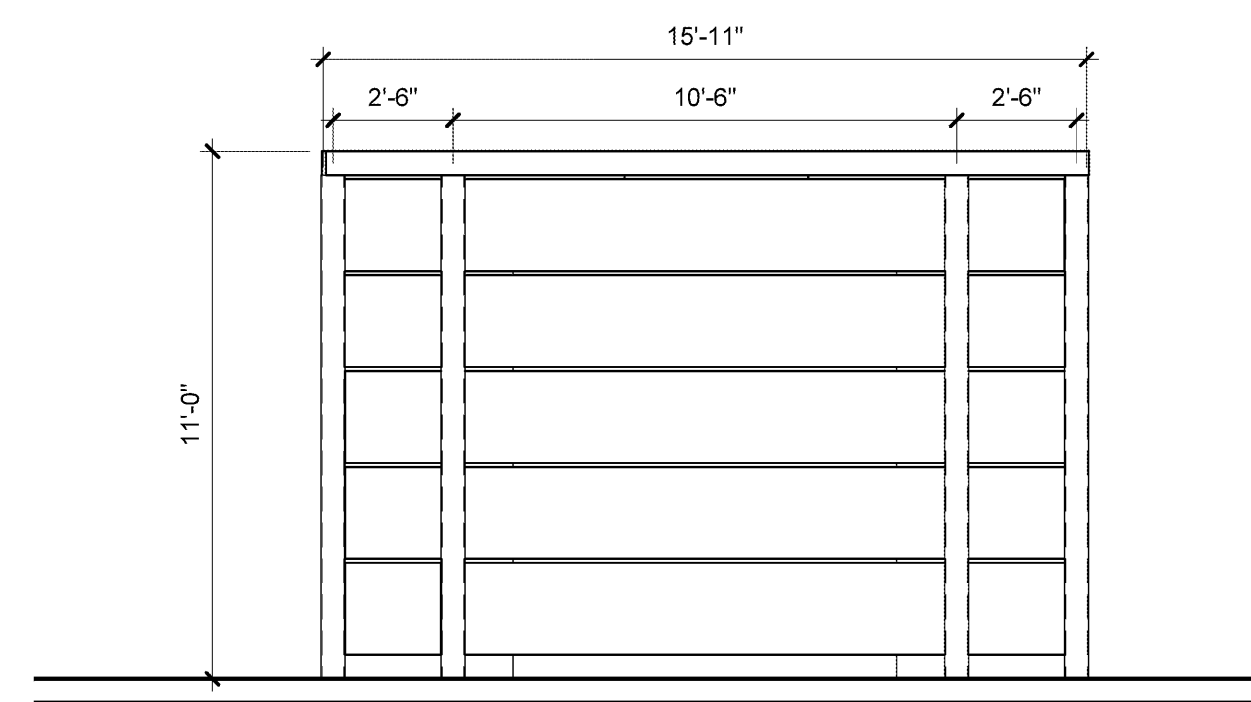
7 SECTION AT TOP CORNER OF SCREEN WALL
1" = 1'-0"



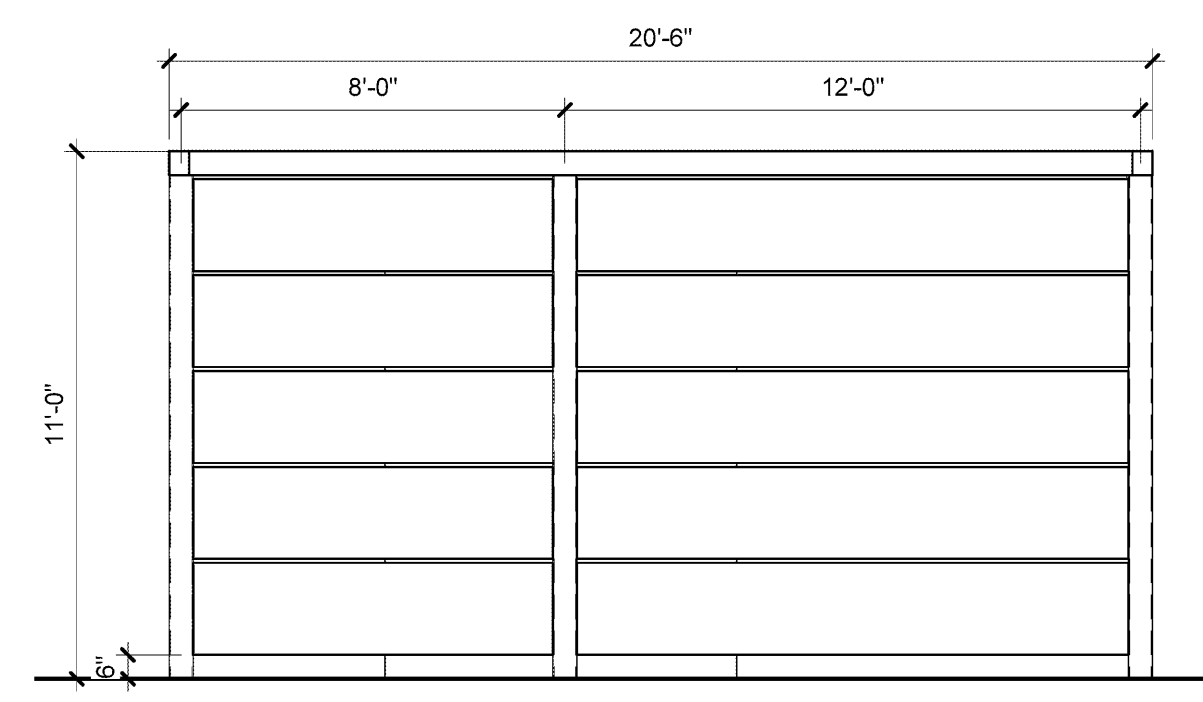
5 BASE PLATE DETAIL AT EXISTING BEAM
1" = 1'-0"



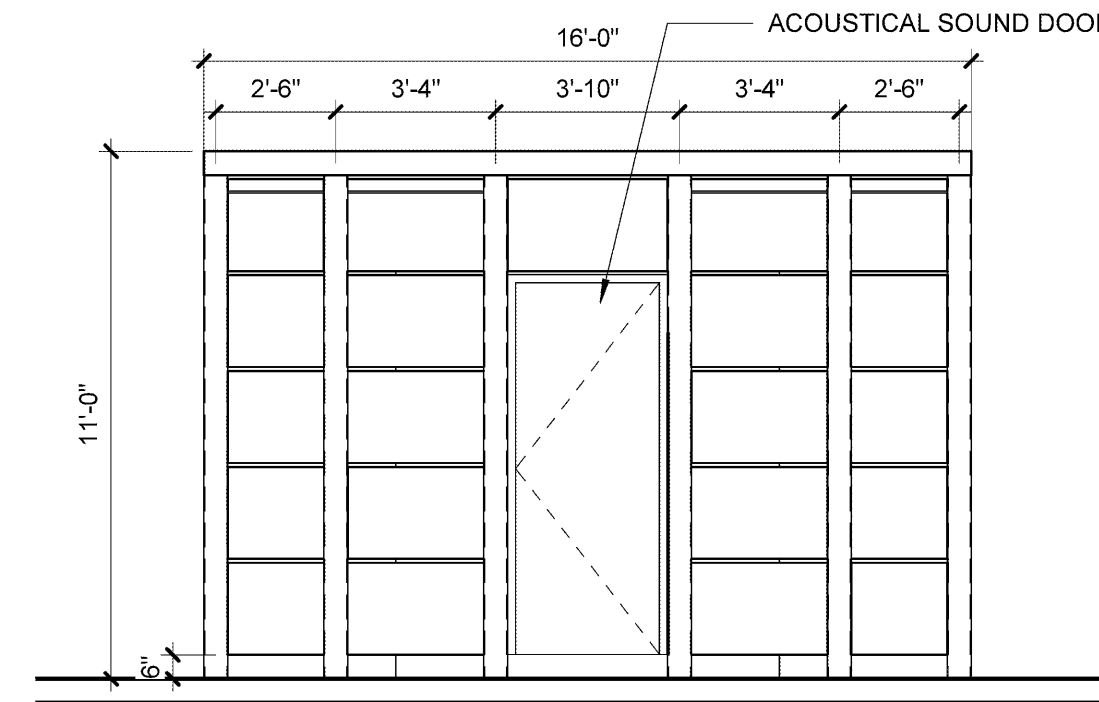
DETAIL A - TOP VIEW



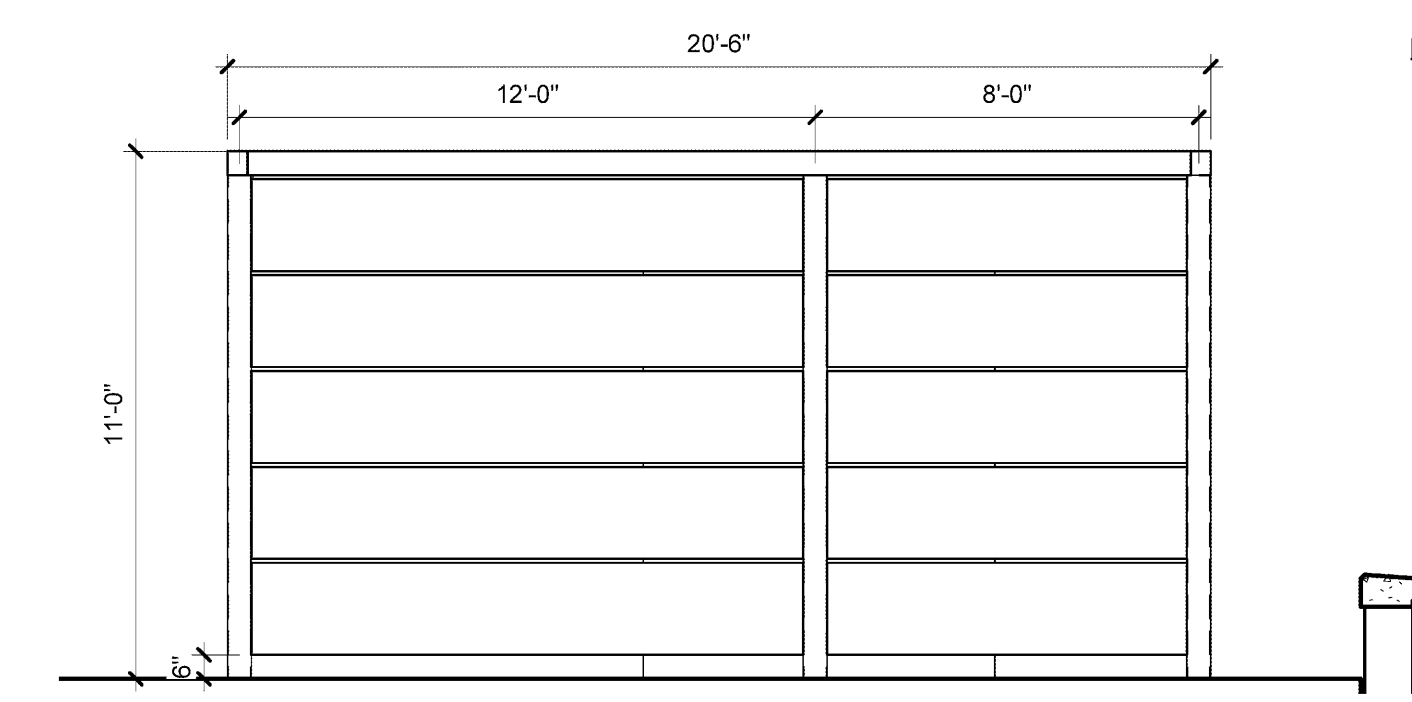
8 EXTERIOR ELEVATION - ACOUSTICAL SOUND BARRIER - WEST
1/4" = 1'-0"



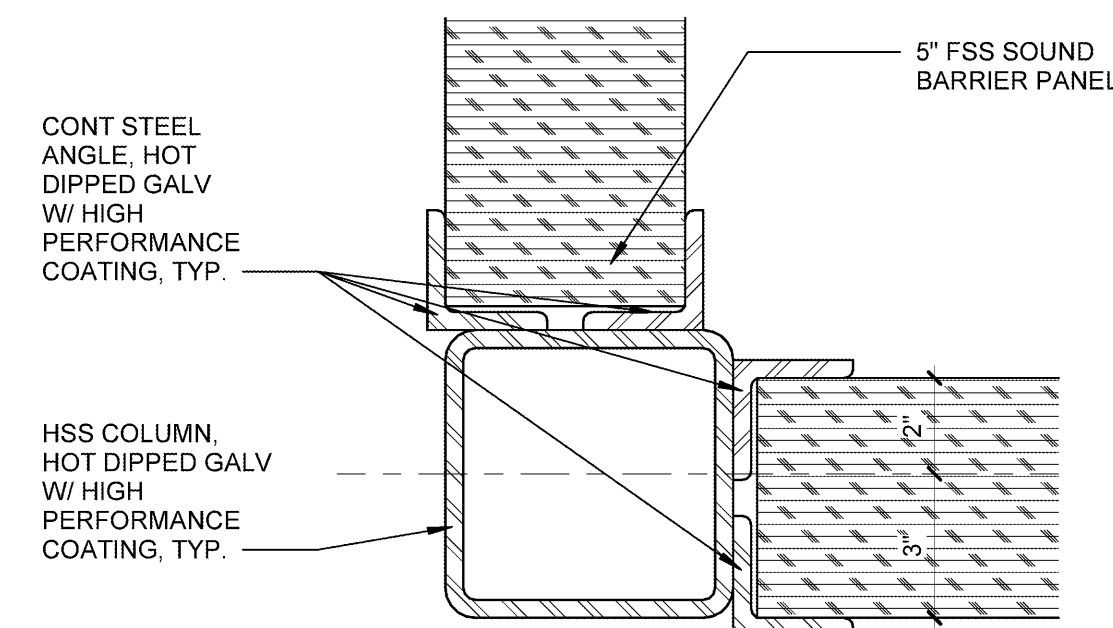
7 EXTERIOR ELEVATION - ACOUSTICAL SOUND ABRRIER - SOUTH
1/4" = 1'-0"



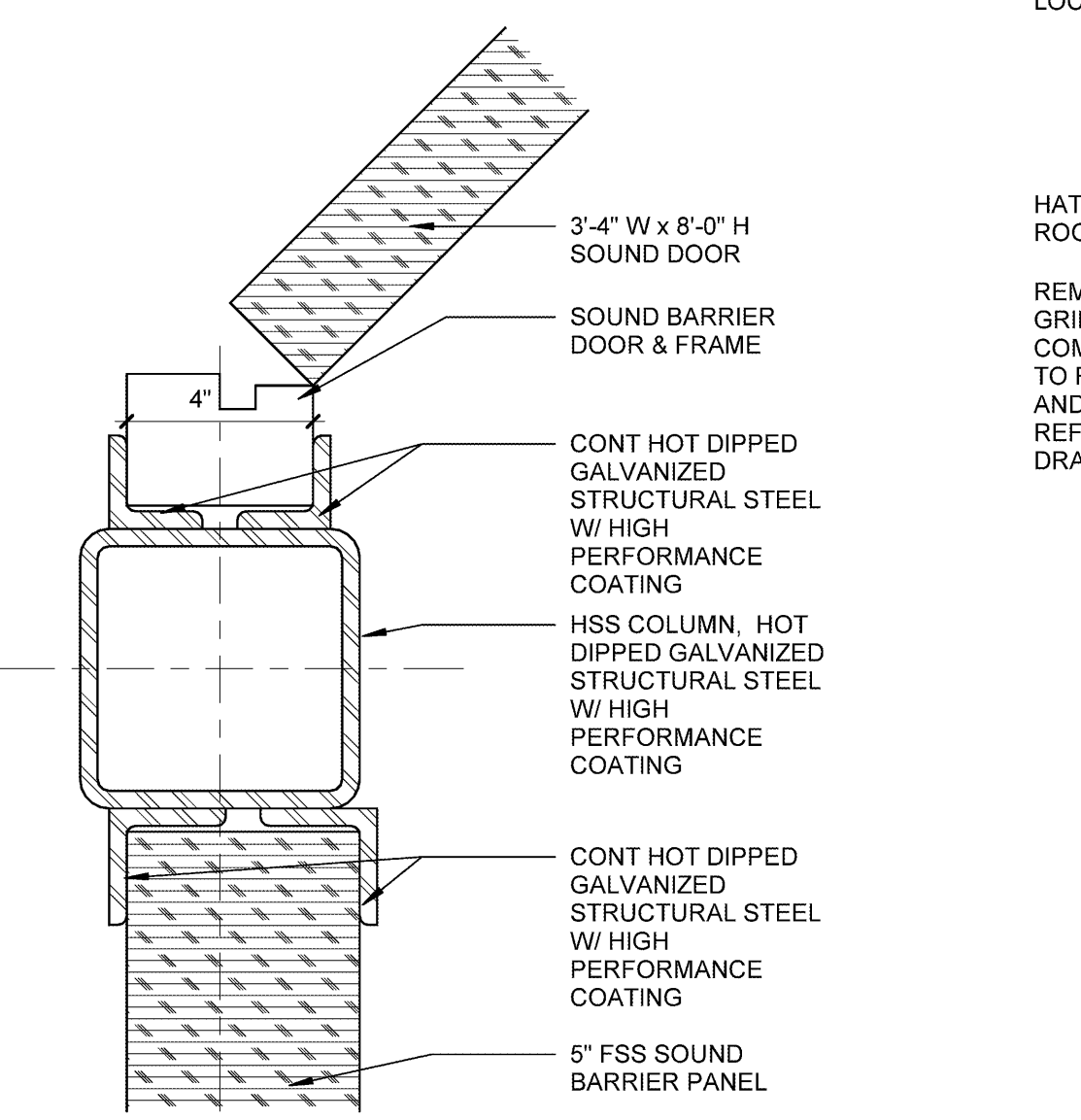
6 EXTERIOR ELEVATION - ACOUSTICAL SOUND BARRIER - EAST
1/4" = 1'-0"



5 EXTERIOR ELEVATION - ACOUSTICAL SOUND BARRIER - NORTH
1/4" = 1'-0"



4 DETAIL @ SOUND BARRIER COLUMN
3" = 1'-0"

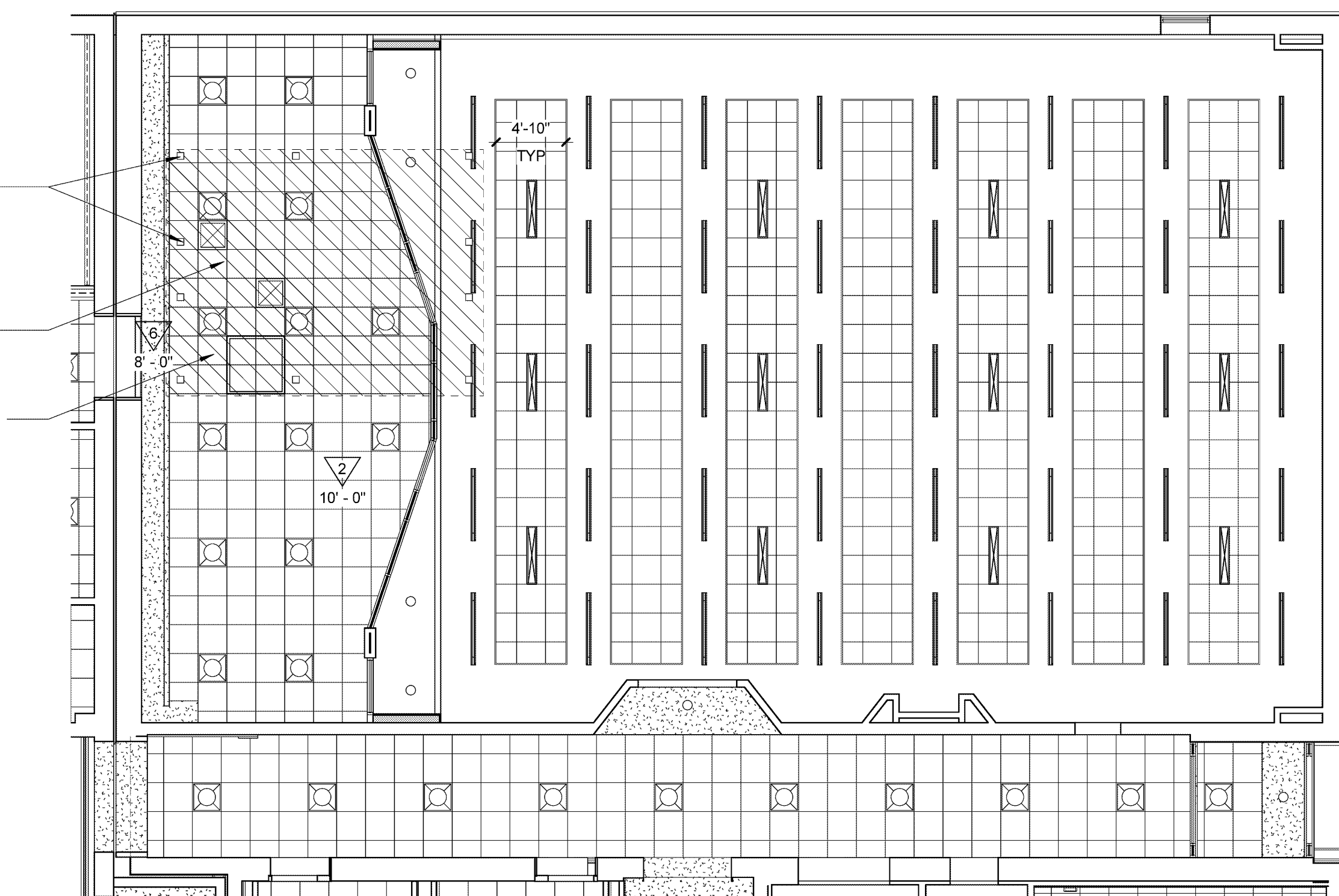


3 DETAIL @ SOUND BARRIER DOOR
3" = 1'-0"

TYP ROOF SCREEN POST LOCATIONS ABOVE

HATCHING DENOTES AREA OF ROOF SCREEN ABOVE

REMOVE & REINSTALL ACT. GRID AND RELATED COMPONENTS AS REQUIRED TO FACILITATE MECHANICAL AND STRUCTURAL WORK. REFER TO M AND S-SERIES DRAWINGS.



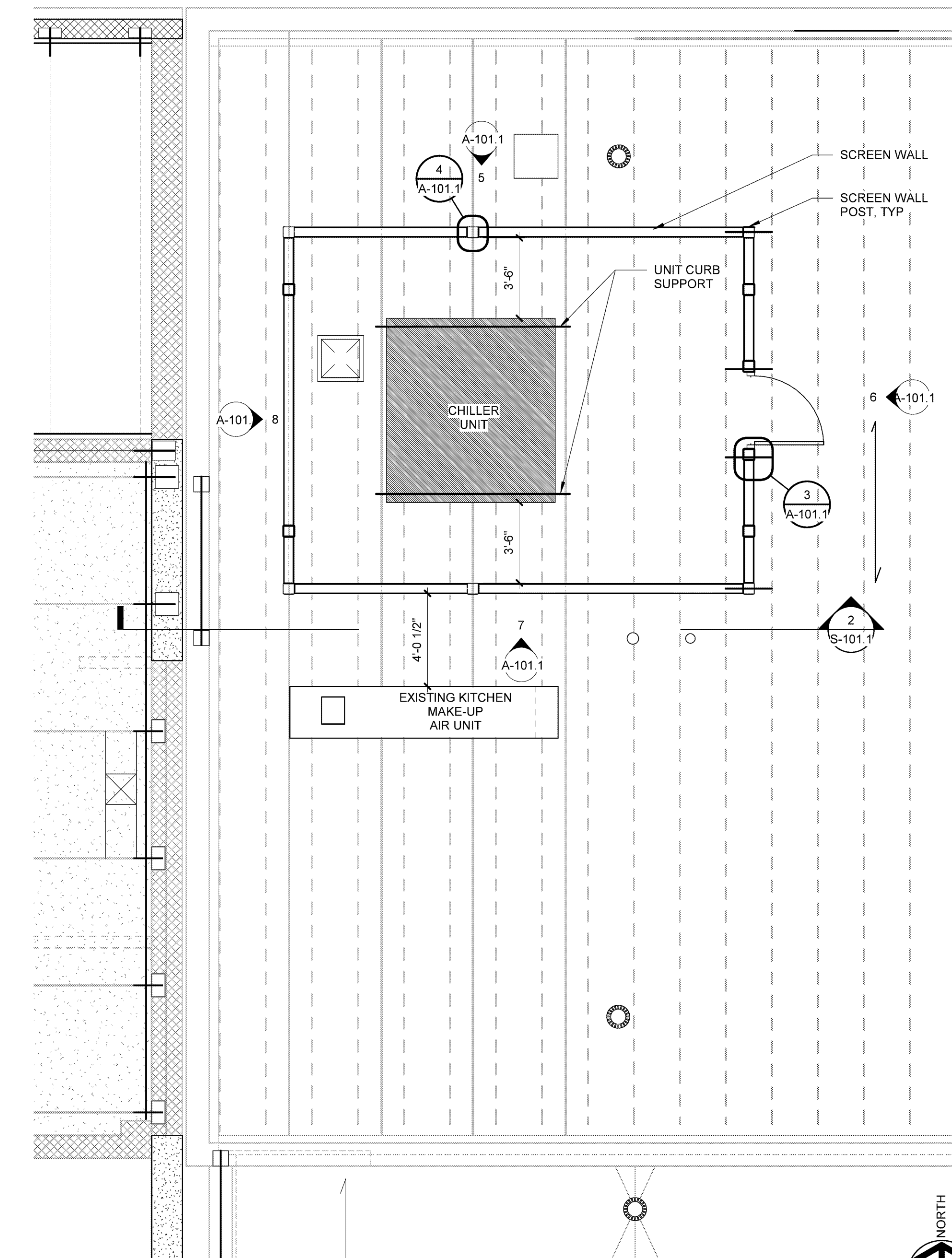
2 FIRST FLOOR REFLECTED CEILING PLAN - SERVERY & CAFETERIA EXISTING CONDITIONS
1/8" = 1'-0"

EXISTING ROOF SYSTEM INSTALLED IN 2018:

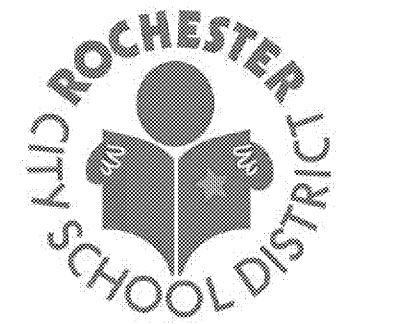
SBS MODIFIED BITUMEN MEMBRANE
COVER BOARD
TAPERED RIGID INSULATION
VAPOR RETARDER
EXISTING FLAT CONCRETE DECK

EXISTING ROOF WARRANTY NOTE:

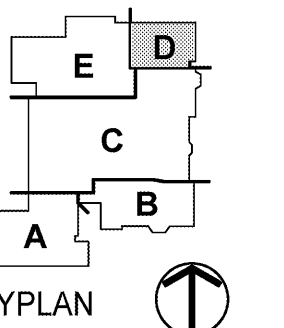
ROOF AREA IS CURRENTLY UNDER A MANUFACTURER'S WARRANTY. ALL ROOFING WORK SHALL BE ACCOMPLISHED USING METHODS AND MATERIALS THAT WILL NOT VOID THE EXISTING ROOF SYSTEM WARRANTY. PROVIDE SUBMITTALS APPROVED BY WARRANTOR FOR ALL ROOFING WORK. NOTIFY WARRANTOR BEFORE PROCEEDING. NOTIFY WARRANTOR ON COMPLETION AND OBTAIN DOCUMENTATION VERIFYING THAT EXISTING ROOF SYSTEM WARRANTY HAS BEEN INSPECTED AND THE WARRANTY REMAINS IN EFFECT. MAINTAIN WATERTIGHT CONDITION THROUGHOUT CONSTRUCTION.



1 PARTIAL ROOF FRAMING PLAN AT CHILLER AT CAFETERIA/SERVERY
1/4" = 1'-0"



Every child is a work of art.
Create a masterpiece.



KEYPLAN

S.E.D. CONTROL NUMBERS
26-16-00-01-0-016-020

Drawn By: SL
Checked By: FOI
Project Manager: AMS

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Revisions

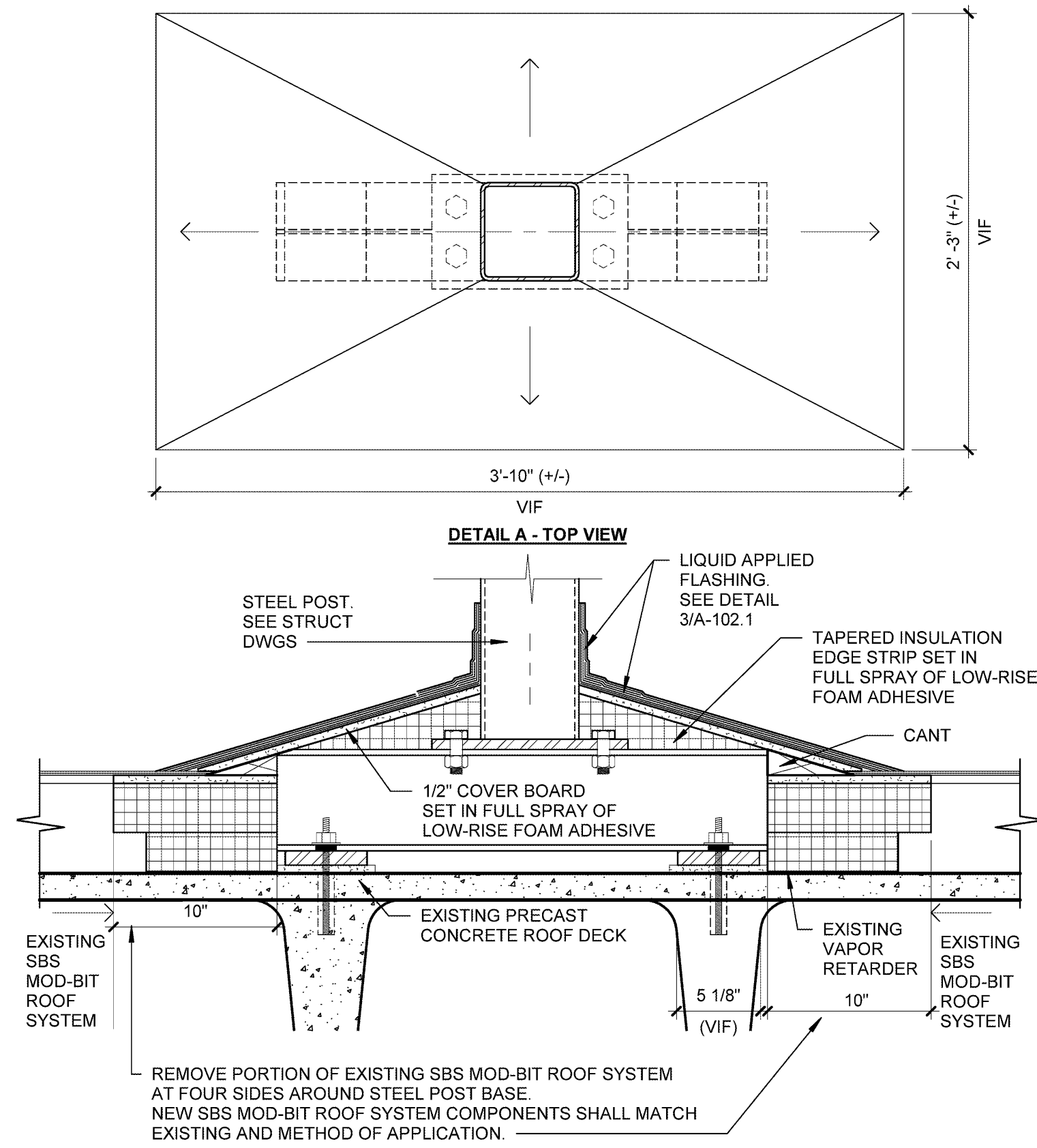
NO.	DESCRIPTION

John Walton Spencer
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SWBR Project Number 16158.00

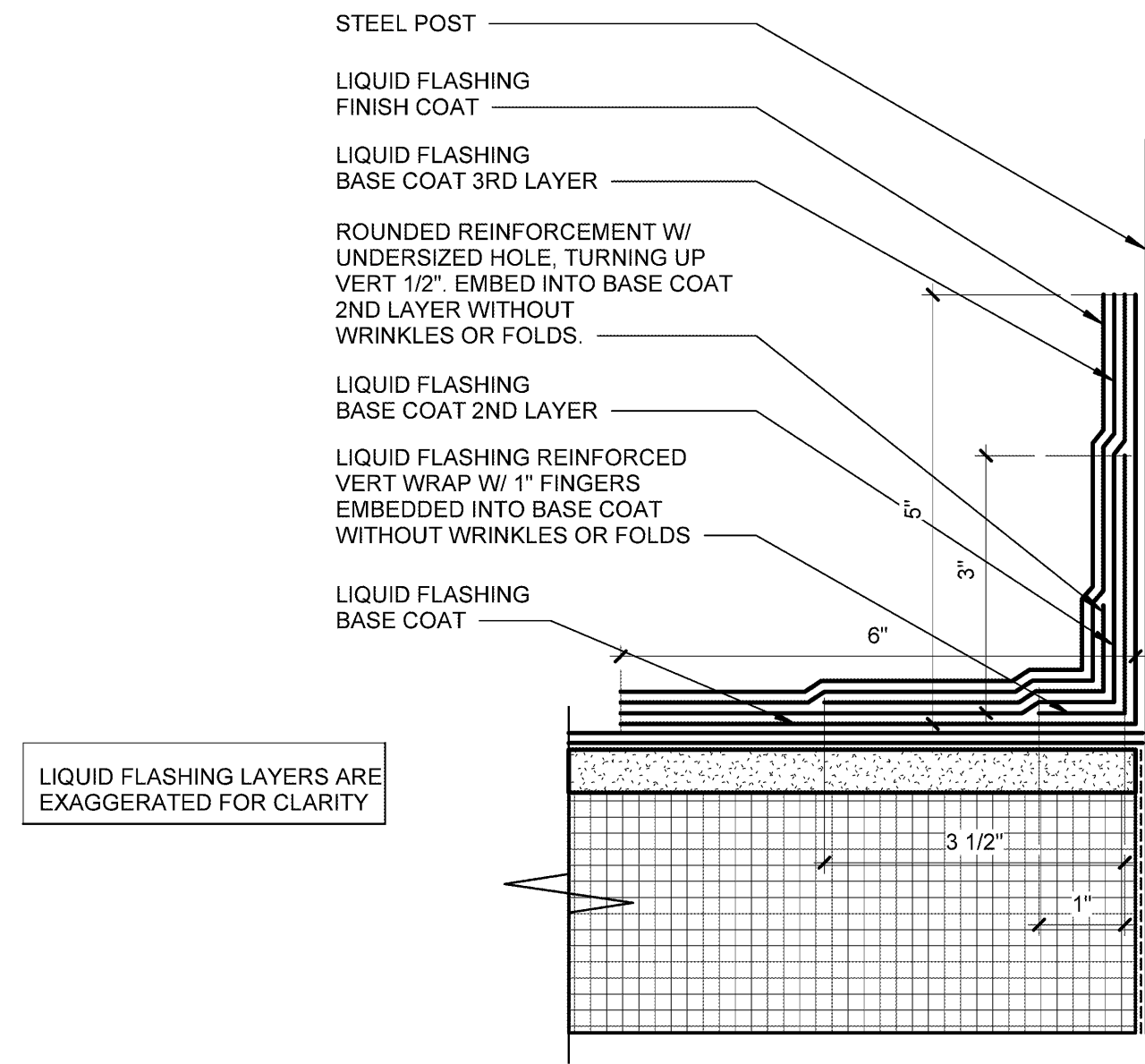
Rochester Joint Schools
Construction Board
70 Carlson Street, Suite 200
Rochester, NY 14610

A-101.1
ENLARGED PLANS & DETAILS - ROOF & CAFETERIA RCP

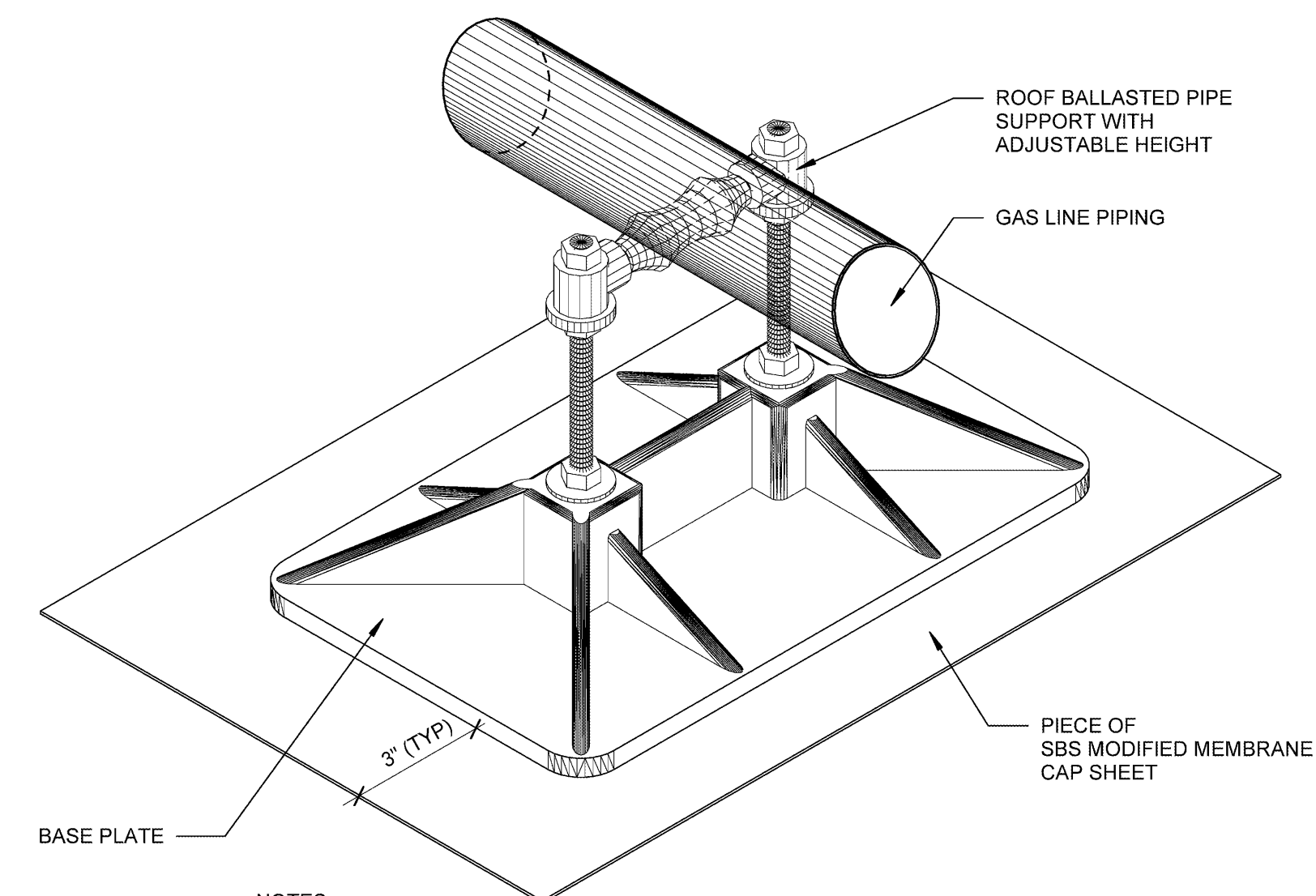
May 6, 2020
Bid Set



5 TYP FLASHING DETAIL AT BASE OF POST
1 1/2" = 1'-0"

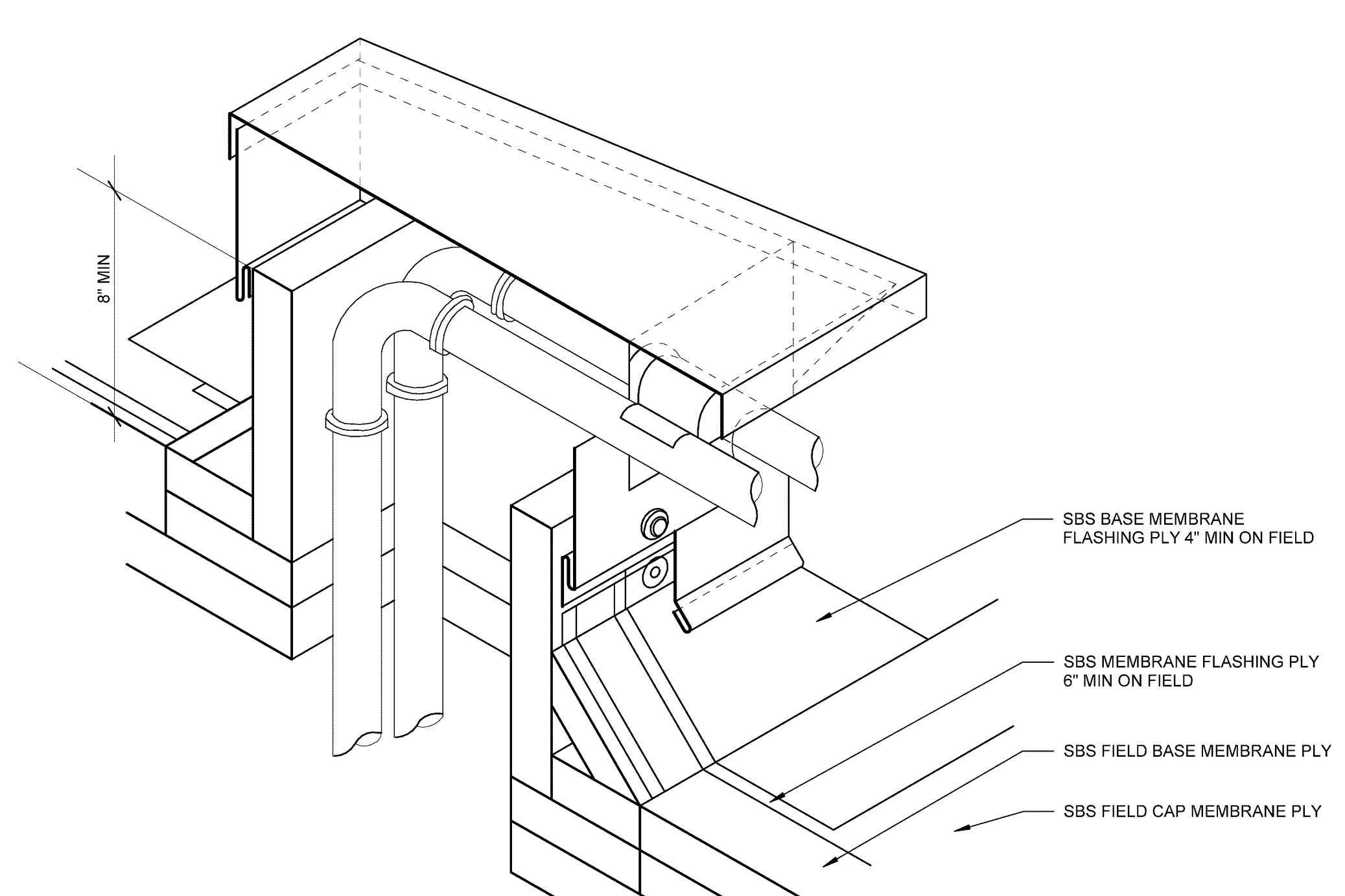


4 LIQUID BASE FLASHING DETAIL
6" = 1'-0"

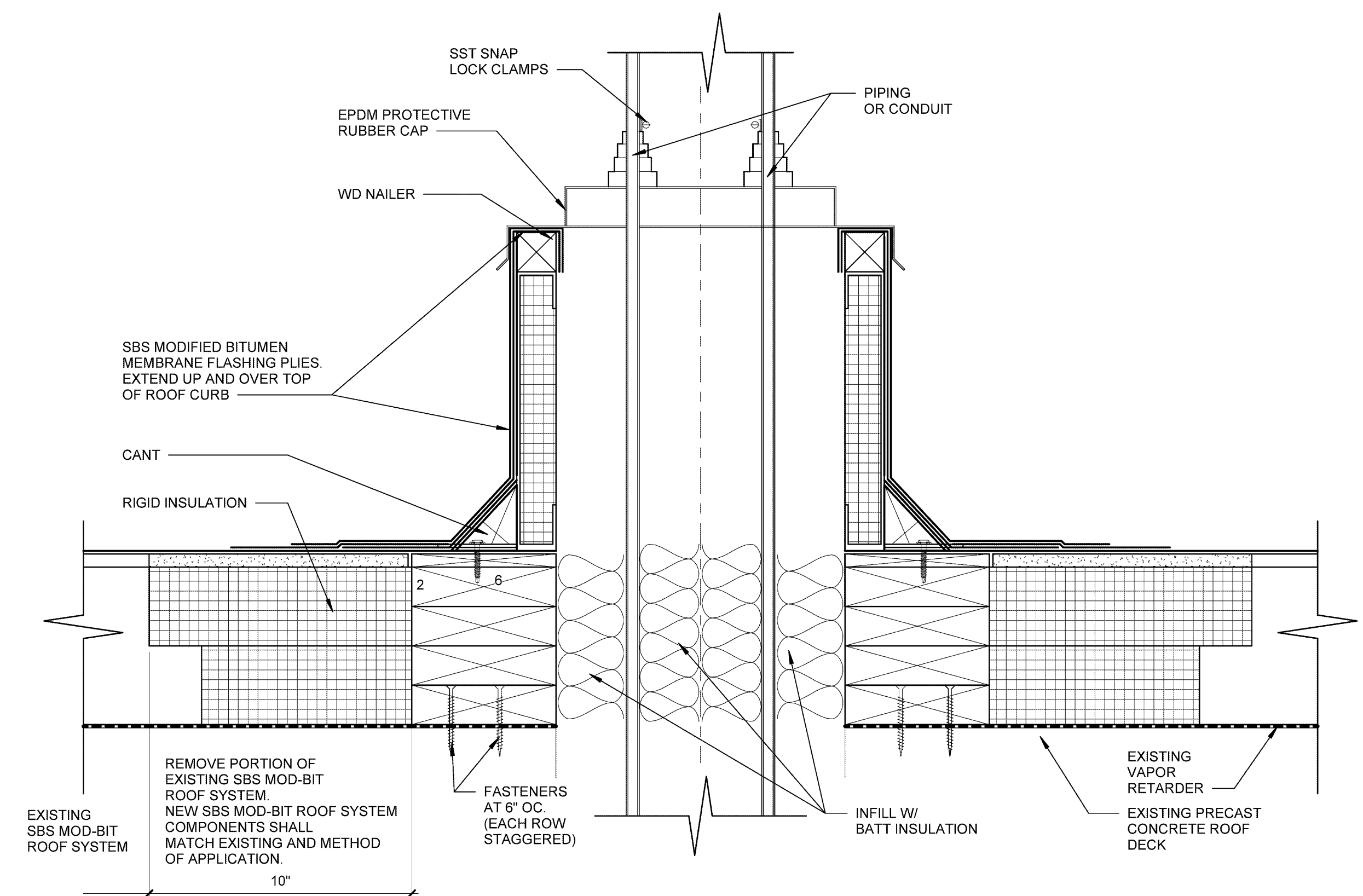


- NOTES:
1. INSTALL PIPE SUPPORT AT A MAX OF 8'-0" ON CENTER AND WITHIN 2'-0" OF EACH DIRECTION CHANGE. PIPE SUPPORTS SHOULD BE AT A HEIGHT THAT MAINTAINS ROOF WARRANTY AND COMPLIES WITH MEP REQUIREMENTS.
 2. INSTALL EACH SUPPORT OVER PIECE OF SBS MODIFIED MEMBRANE CAP SHEET.
 3. NO WOOD BLOCKING SHALL BE USED FOR PIPE SUPPORTS.

3 GAS LINE PIPING SUPPORT DETAIL
3" = 1'-0"



2 PREMANUFACTURED SHEET METAL ENCLOSURE - FLASHING
3" = 1'-0"



1 PIPE PORTAL DETAIL
3" = 1'-0"

Revisions

NO.	DESCRIPTION

PLUMBING GENERAL NOTES LIST	
A.	THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER FIELD FITTING AND QUANTITY OF WORK. CONTRACTOR SHALL OBTAIN FIELD MEASUREMENTS AS REQUIRED AND BE RESPONSIBLE FOR FITTING NEW CONSTRUCTION TO EXISTING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ANY EXISTING CONDITIONS DISTURBED OR DAMAGED DURING CONSTRUCTION.
B.	THE CONTRACTOR SHALL PERFORM A SITE INVESTIGATION OF EXISTING CONDITIONS PRIOR TO PREPARING BID AND COMMENCEMENT OF WORK.
C.	THE PLUMBING CONTRACTOR SHALL REVIEW THE CONTRACT DRAWINGS AND SPECIFICATIONS TO COORDINATE WORK WITH ALL OTHER TRADES.
D.	PROVIDE FOR ALL CUTTING, PATCHING AND FIRESTOPPING REQUIRED TO ACCOMPLISH WORK. SHOW PATCH AND SEAL OPENINGS TO MATCH ADJACENT EXISTING WALLS, FLOORS, CEILINGS, ETC. CONCEAL ALL WORK IN FINISHED AREAS UNLESS OTHERWISE INDICATED OR DIRECTED BY THE ARCHITECT. PIPES PENETRATING FIRE-RESISTANT RATED WALLS AND FLOORS SHALL BE FIRESTOPPED USING APPROVED U.L. LISTED FIRESTOPPING MATERIAL. REFER TO THE ARCHITECTURAL DRAWINGS FOR FIRE-RESISTANT RATED WALL CONSTRUCTION. ALL FLOORING/CEILING ASSEMBLIES ARE FIRE-RATED ASSEMBLIES.
E.	THE PLUMBING CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, DIMENSIONS AND EXISTING CONDITIONS (PIPING, DUCTWORK, EQUIPMENT, STRUCTURAL ELEMENTS, ETC.) PRIOR TO COMMENCING WITH WORK. CONTRACTOR SHALL COORDINATE INSTALLATION OF EQUIPMENT AND PIPING WITH EXISTING CONDITIONS AND OTHER TRADES. PROVIDE FITTINGS, TRANSITIONS, OFFSETS, ELEVATION CHANGES, ETC. TO MINIMIZE CONFLICTS WITH EXISTING CONDITIONS.
F.	THE DRAWINGS ARE SCHEMATIC IN INTENT AND SERVE TO INDICATE THE TYPE AND LOCATION OF MAJOR PIECES OF EQUIPMENT. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL MATERIALS AND EQUIPMENT NECESSARY FOR A COMPLETE INSTALLATION. ADJUST THE LOCATION OF ALL PIPING, WIRING, EQUIPMENT AND CONNECTIONS TO ACCOMMODATE ACTUAL CONSTRUCTION CONDITIONS ENCOUNTERED. OBTAIN APPROVAL FROM THE ENGINEER FOR ALL BUT MINOR CHANGES. EQUIPMENT AND DEVICES SHALL BE FULLY ACCESSIBLE.
G.	PROVIDE AND INSTALL ALL SUBMITTED EQUIPMENT AND SYSTEMS IN COMPLIANCE WITH THE MANUFACTURERS' INSTALLATION INSTRUCTIONS AND SPECIFICATIONS.
H.	ALL PHYSICAL ATTRIBUTES OF EQUIPMENT AND DEVICES ARE BASED ON THOSE MANUFACTURERS LISTED IN THE SPECIFICATIONS AND/OR THE EQUIPMENT SCHEDULES. THE CONTRACTOR IS RESPONSIBLE FOR ALL CHANGES BROUGHT ABOUT BY THE USE OF ITEMS SUBMITTED BY OTHER MANUFACTURERS. THE ARCHITECT/ENGINEER HAS RESERVED THE RIGHT TO REJECT ITEMS BY OTHER MANUFACTURERS.
I.	PROVIDE ALL NECESSARY TEMPORARY UTILITY SERVICES FOR THE BUILDING DURING ALL PHASES OF CONSTRUCTION. SCHEDULE SYSTEM SHUTDOWNS WITH OWNER. SYSTEM SHUTDOWNS SHALL NOT INTERFERE WITH BUILDING OPERATIONS.
J.	THE EXISTING BUILDING MATERIALS MAY CONTAIN ASBESTOS MATERIALS. ALL WORK IN THESE AREAS SHALL BE PERFORMED IN COMPLIANCE WITH INDUSTRIAL CODE RULE 66, NEW YORK STATE, AND FEDERAL OSHA REQUIREMENTS. COORDINATE WORK IN THESE AREAS WITH ABATEMENT CONTRACTOR.
K.	PROVIDE FOR THE PROPER OFF-SITE DISPOSAL OF ALL CONSTRUCTION DEBRIS AND/OR EXCAVATED MATERIALS ASSOCIATED WITH WORK IN THIS TRADE IN COMPLIANCE WITH LOCAL, NEW YORK STATE AND FEDERAL LAWS AND REQUIREMENTS.
L.	PERFORM ALL WORK IN COMPLIANCE WITH ALL LOCAL, NEW YORK STATE AND FEDERAL CODES AND ORDINANCES, AS WELL AS ALL APPLICABLE NFPA STANDARDS, AND OTHER REFERENCED STANDARDS. PROVIDE FOR ALL REQUIRED INSPECTIONS BY AUTHORITIES HAVING JURISDICTION. PAY ALL ASSOCIATED FEES.
M.	OBTAIN ALL NECESSARY INSPECTIONS OF ROUGHED IN PIPING BY AUTHORITIES HAVING JURISDICTION PRIOR TO COMPLETION OF WALLS AND CEILINGS.
N.	THE DRAWINGS DO NOT INDICATE ALL OFFSETS, CHANGES IN ELEVATION, ETC. WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL MAKE SUCH CHANGES IN THE PIPING AND LOCATION OF EQUIPMENT, ETC., TO ACCOMMODATE WORK, OBSTACLES AND THE WORK OF OTHER CONTRACTORS.
O.	WHERE THE DRAWINGS OR SPECIFICATIONS DO NOT NAME A MANUFACTURER OR MODEL NUMBER OF A PRODUCT, THE CONTRACTOR SHALL PROVIDE A SUBMITTAL OF A PRODUCT FOR THE INTENDED APPLICATION TO THE ENGINEER FOR REVIEW AND APPROVAL.
P.	PROVIDE RECORD DRAWINGS DEPICTING THE LOCATIONS OF PIPING, EQUIPMENT, VALVES, CLEANOUTS AS BUILT ON A CLEAN SET OF PLANS. PROVIDE FULL SIZE COPIES FOR THE OWNER, ARCHITECT AND ENGINEER. PROVIDE (3) COPIES OF THE OPERATION AND MAINTENANCE MANUALS TO OWNER INCLUDING ALL PRODUCTS AND MECHANICAL EQUIPMENT.
Q.	TEST ALL EQUIPMENT AND SYSTEMS FOR PROPER OPERATION.
R.	PROVIDE COPIES OF ALL WRITTEN WARRANTY INFORMATION TO THE OWNER IN THE O&M MANUALS.
S.	PROVIDE ALL ACCESSORIES, INCLUDING HANGERS, SUPPORTS, CONTROLS, INSULATION, VALVES, SHUT-OFFS AS REQUIRED FOR A COMPLETE AND FULLY OPERATIONAL INSTALLATION.

PUMP SCHEDULE									
PLAN DESIGNATION	TYPE	MANUFACTURER MODEL NO.	LOCATION	FLOW RATE (GPM)	HEAD (FT.)	ELECTRICAL DATA			NOTES
						H.P.	RFM	VOLTS/PH	
SP-1	DUPLEX SUMP PUMP	ZOELLER MODEL N4161	CRAWL SPACE	62	30	1/2-(2)	3450	115/1	1,2,3
SP-2	DUPLEX SUMP PUMP	ZOELLER MODEL N4161	CRAWL SPACE	62	30	1/2-(2)	3450	115/1	1,2,3
SP-3	DUPLEX SUMP PUMP	ZOELLER MODEL N4161	CRAWL SPACE	62	30	1/2-(2)	3450	115/1	1,2,3

NOTES:

1. PROVIDE CONNECTION TO BMS FOR ENABLE/DISABLE AND STATUS/ALARM. PROVIDE ALL PROGRAMMING AND GRAPHICS.
2. PROVIDE DUPLEX LEAD-LAG CONTROLS WITH HIGH LEVEL ALARM FOR EACH PUMP.
2. PROVIDE PERFORATED SUMP, 3 FT. DIAMETER, 4 FT. DEEP FOR EACH LOCATION.

PLUMBING ABBREVIATIONS	
AF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BLDG	BUILDING
CO	CLEANOUT
DN	DOWN
NTS	NOT TO SCALE
PH	PHASE
RG&E	ROCHESTER GAS & ELECTRIC
SAN	SANITARY PIPING
ST	STORM PIPING
TYP	TYPICAL

PLUMBING SYMBOL LIST	
	SANITARY SEWER (SAN)
	VENT (V)
	PUMP DISCHARGE (PD)
	STORM SEWER (ST)
	EXISTING PIPING TO REMAIN
	REMOVE EXISTING
	BALL VALVE
	CHECK VALVE
	UNION OR FLANGE
	PIPE RISER - ELBOW UP
	PIPE RISER - ELBOW DOWN
	DROP CONNECTION, RISE CONNECTION
	CAP OR PLUG
	POINT OF DEMOLITION/REMOVALS
	POINT OF CONNECTION TO NEW
	CLEANOUT (CO)
	KEYED PLUMBING NOTE - NEW REMOVAL

DIG SAFELY:

CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL UNDERGROUND UTILITY LOCATIONS AND PROVIDE ALL PROTECTIVE MEASURES FOR EXCAVATION AND UNDERGROUND UTILITY WORK.

CALL:
DIG SAFELY: 1-800-962-7962

A MINIMUM OF TWO (2) DAYS PRIOR TO COMMENCING WITH EXCAVATION.



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Create a masterpiece.

S.E.D. CONTROL NUMBERS
26-16-00-01-0-016-020

Drawn By: NAK
Checked By: AAW/GMM
Project Manager: AVS

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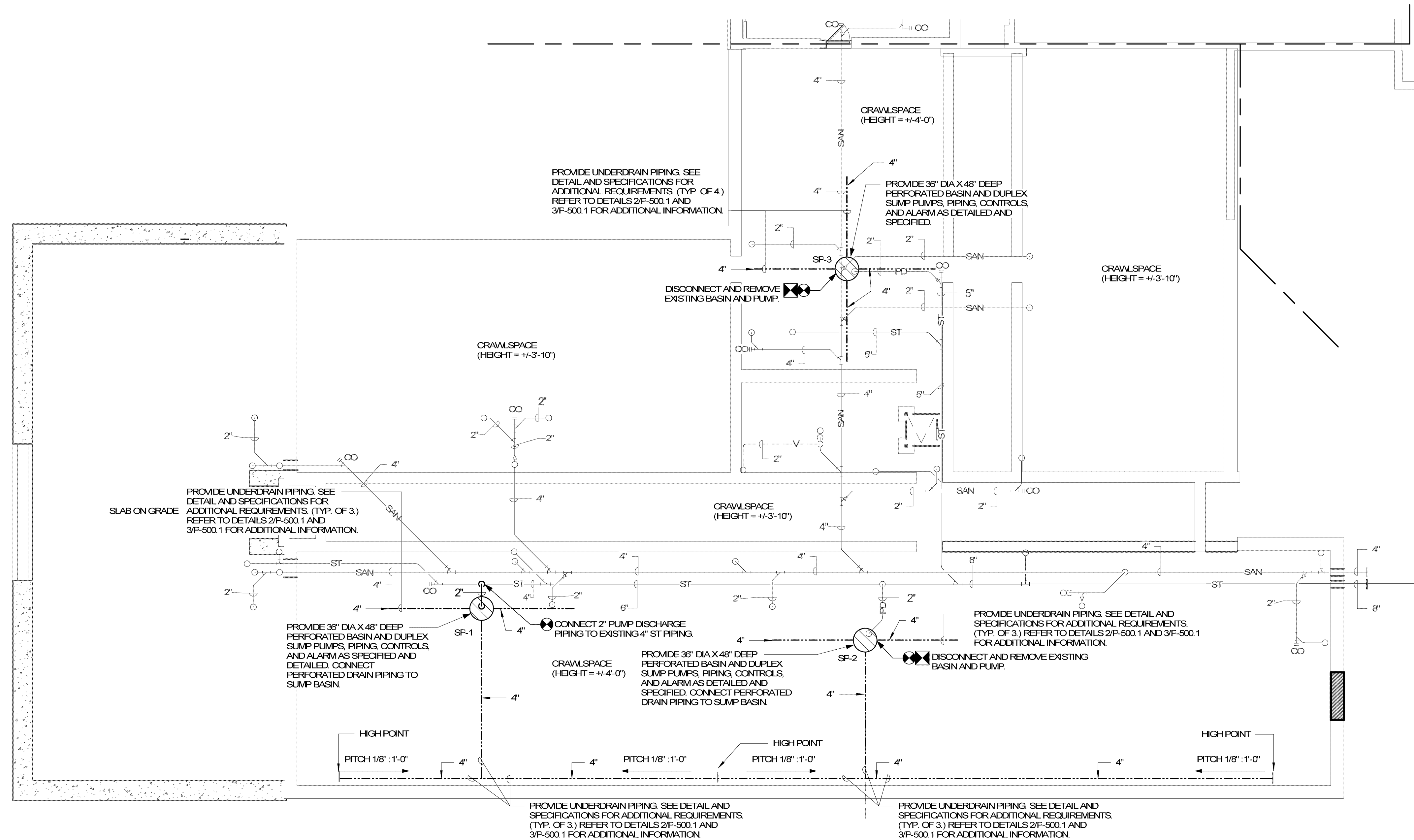
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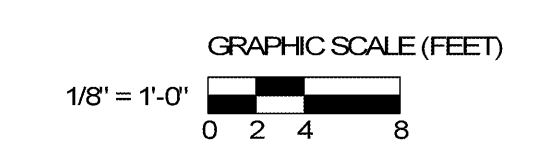
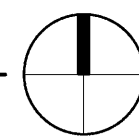
Rochester Joint Schools
Construction Board
70 Carlson Street, Suite 200
Rochester, NY 14610

P-001.1
ABBREVIATIONS,
GENERAL NOTES,
SYMBOLGY &
SCHEDULES

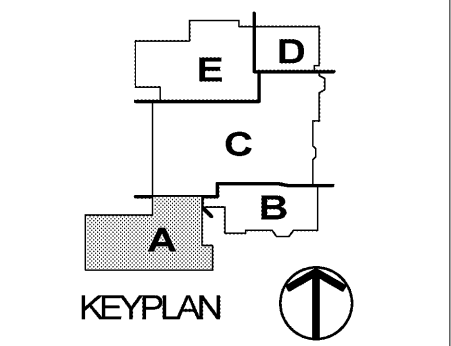
May 6, 2020
Bid Set



1 CRAWLSPACE PLAN - AREA A - PLUMBING
1/8" = 1'-0"



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Drawn By: NAK
Checked By: AAW/GMM
Project Manager: AMS

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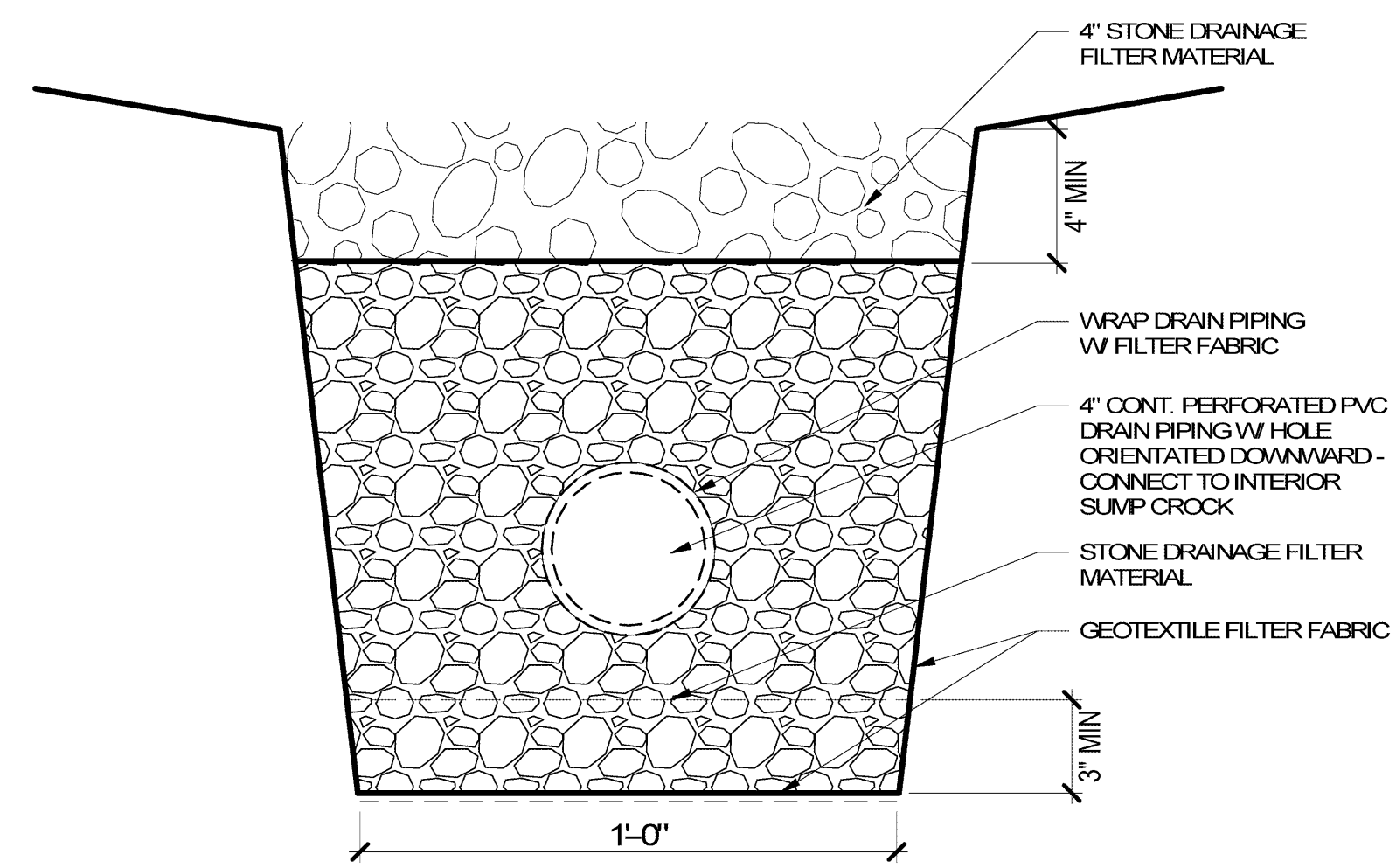
No.	Description

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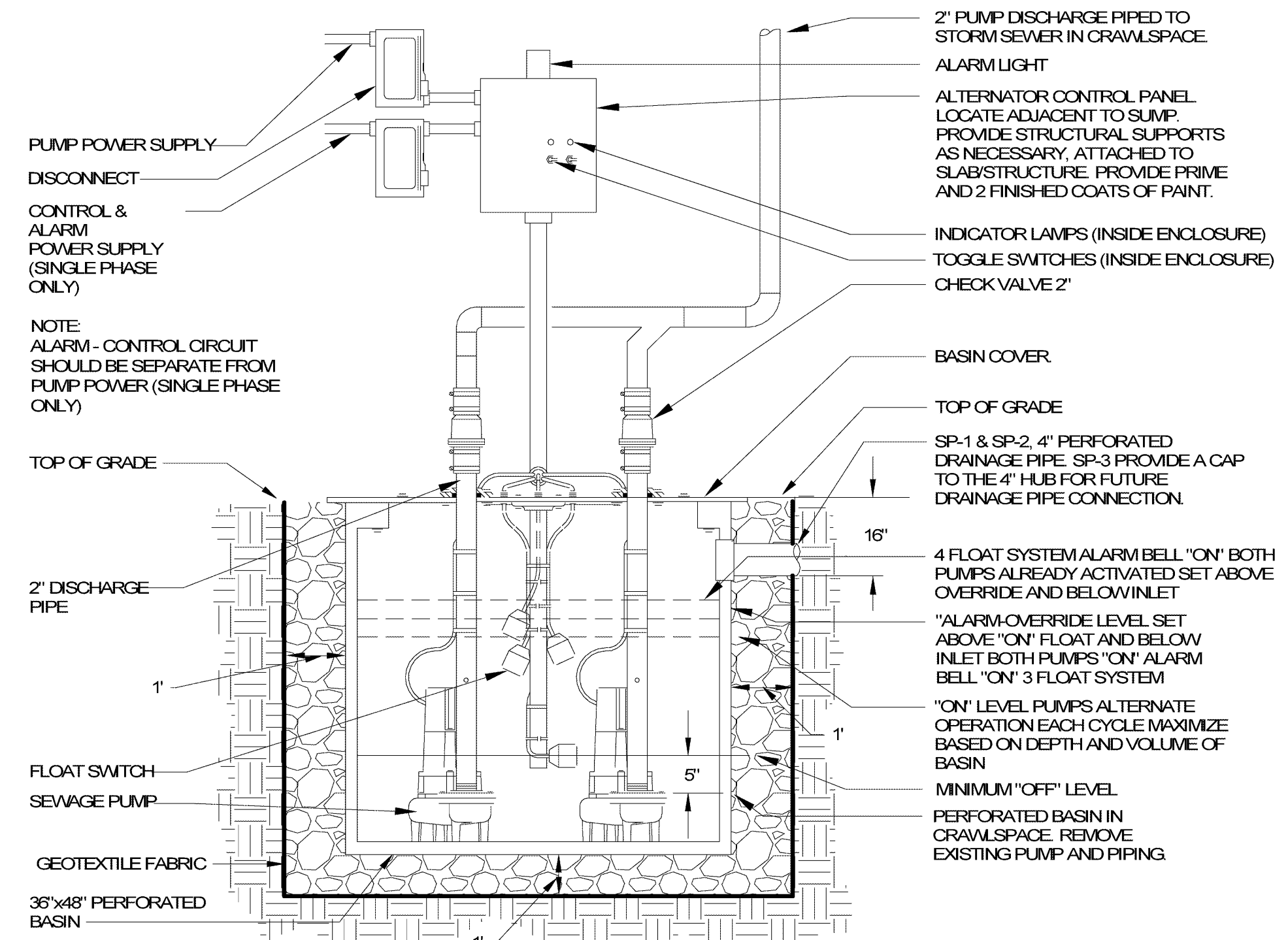
Rochester Joint Schools
Construction Board
70 Carlson Street, Suite 200
Rochester, NY 14610

P-100.1
CRAWLSPACE
PLAN - AREA A

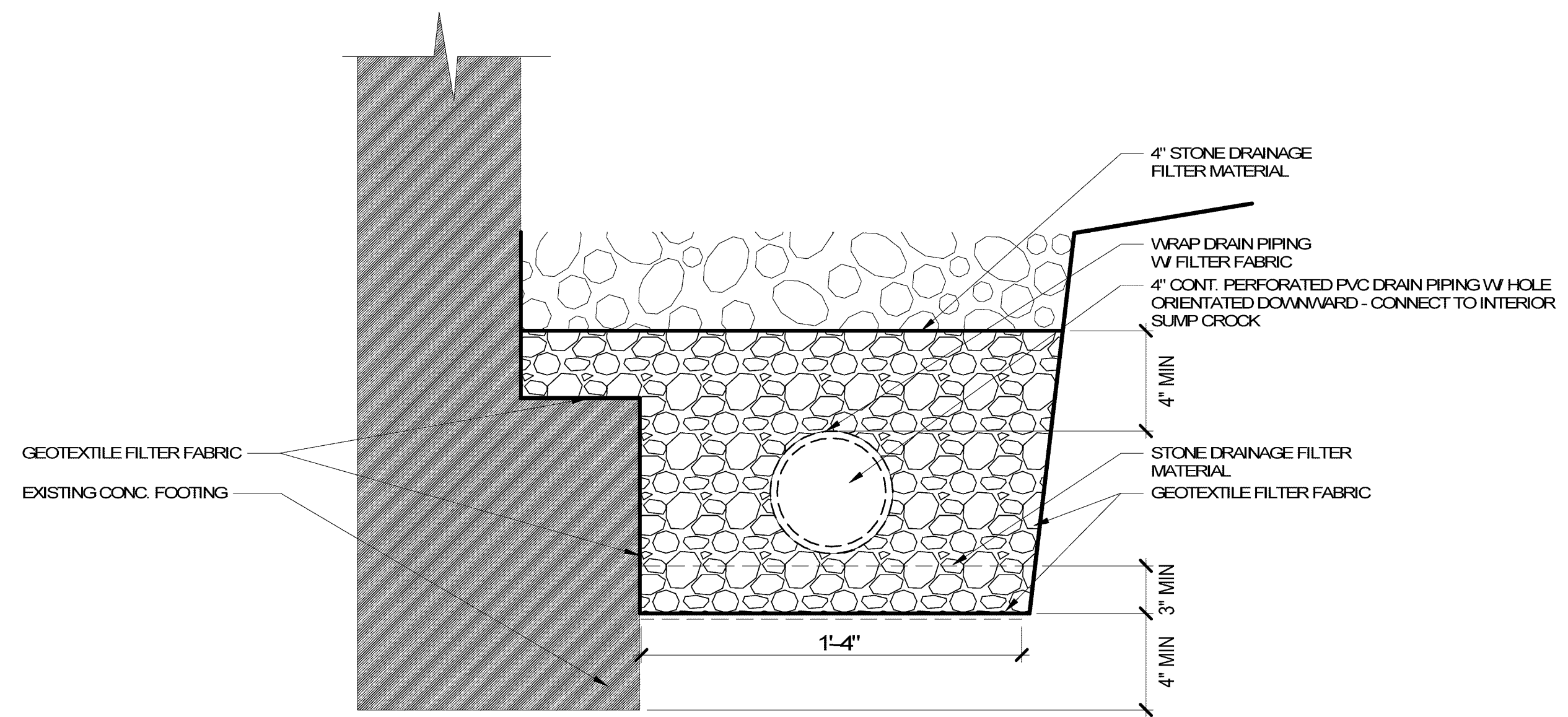
May 6, 2020
Bid Set



2 UNDERDRAINAGE PIPING TRENCH
NOT TO SCALE



1 DUPLEX SUMP PUMP - SP-1, SP-2 & SP-3 - AREA A - CRAWLSPACE
12" = 1'-0"



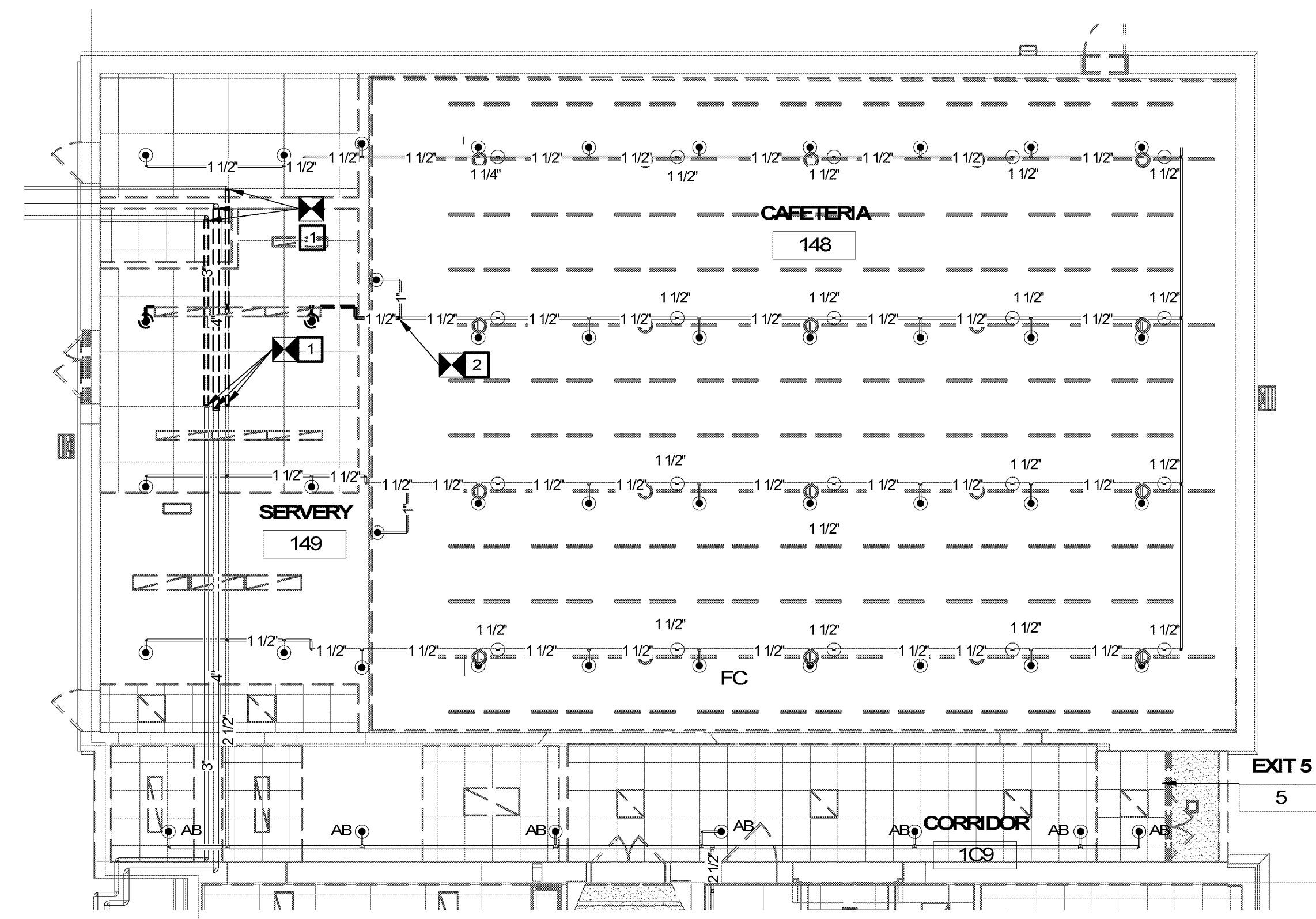
3 UNDERDRAINAGE PIPING TRENCH AT FOUNDATION
NOT TO SCALE

Revisions

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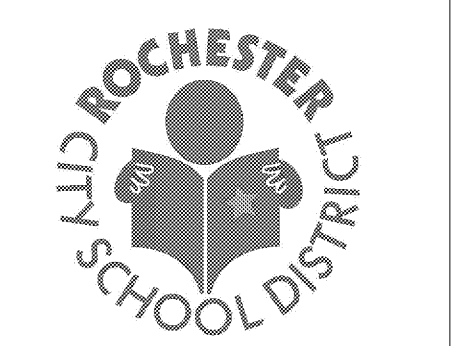
P-500.1
PLUMBING DETAILS



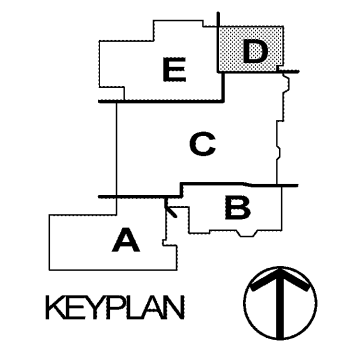
1 PARTIAL 1ST FLOOR AREA D-Removal
 1/8" = 1'-0"

REMOVAL NOTES:

1. DRAIN SYSTEMS AND CAP OFF MAINS AT LOCATIONS INDICATED. DISCONNECT MAINS AT THESE LOCATIONS TO FACILITATE THE INSTALLATION OF ACOUSTICAL SOUND BARRIER POST.
2. DISCONNECT BRANCH-LINE AT LOCATION INDICATED. PLUG OFF OUTLET.



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 Create a masterpiece.



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 26-16-00-01-0-016-020

Drawn By: RCF
 Checked By: AW
 Project Manager: AMS

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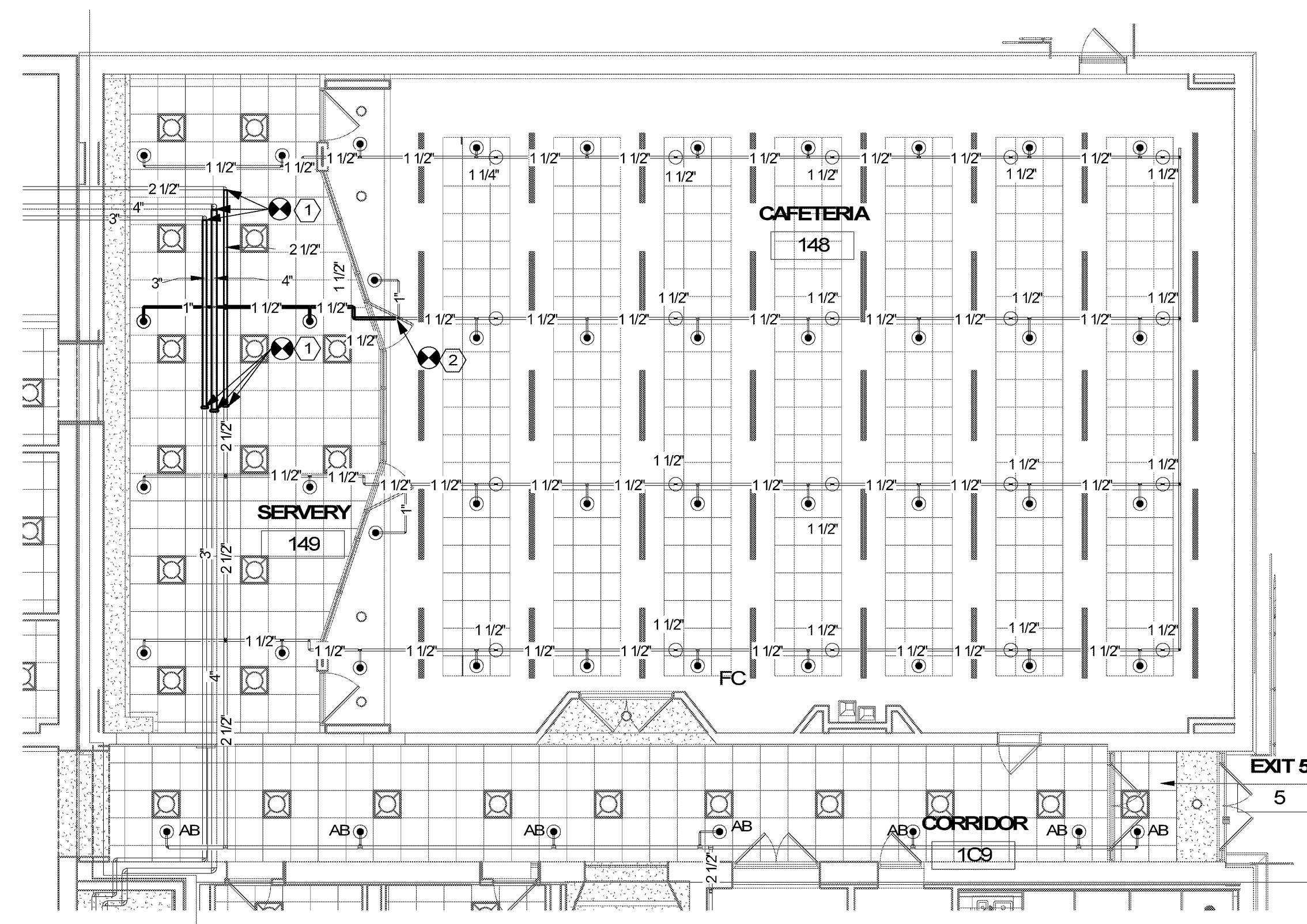
Revisions

John Walton Spencer
 School 16
 321 Post Avenue
 Rochester, NY 14619
 SWBR Project Number 16158.00

Rochester Joint Schools
 Construction Board
 70 Carlson Street, Suite 200
 Rochester, NY 14610

FP-141.1
 FP REMOVAL

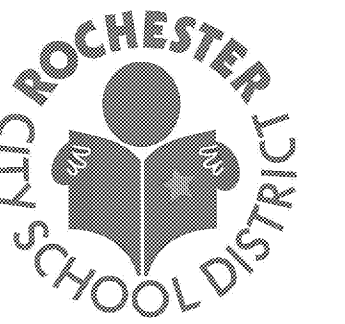
May 6, 2020
 Bid Set



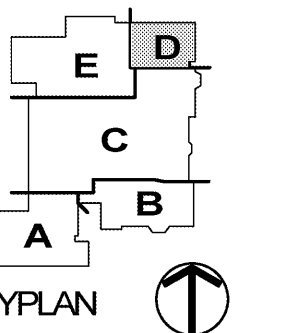
1 PARTIAL 1ST FLOOR AREA D- Replacement
 1/8" = 1'-0"

REPLACEMENT NOTES:

1. REMOVE CAPS, REINSTALL MAIN PIPING AS INDICATED. COORDINATE WITH THE OTHER TRADES TO INSURE THAT THERE ARE NO CONFLICTS. OFFSETS MAY BE REQUIRED TO AVOID OTHER TRADES.
2. UNPLUG 1-1/2' OUTLET AND REINSTALL BRANCHLINE TO FEED THE ORIGINAL SPRINKLER LOCATIONS. OFFSETS MAY BE REQUIRED TO AVOID CONFLICTS WITH OTHER TRADES.



Every child is a work of art.
 Create a masterpiece.



S.E.D. CONTROL NUMBERS
 26-16-00-01-0-016-020

Drawn By: RCF
Checked By: AW
Project Manager: AMS

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FP-1421
 FP REPLACEMENT
 PLAN

May 6, 2020
 Bid Set

