ADDENDUM No. 6 – February 11, 2019

GENERAL

This addendum modifies, amends, and supplements designated parts of the Contract Documents for the above project and is hereby made part thereof by reference and shall be as binding as though inserted in locations designated hereunder.

It shall be the responsibility of the bidders to notify all subcontractors and suppliers he proposes to use for the various parts of the work for any changes or modifications contained in this addendum. No claim for additional compensation because of lack of knowledge of the contents of this addendum will be considered.

*****PLEASE NOTE THAT THE BID DUE DATE HAS BEEN EXTENDED TO WEDNESDAY, MARCH 6, 2019 (see below).**

***** As part of Addendum #6, all bidders are hereby being notified that there was a prior bid package referred to as "Site Enabling Bid Package #1". Site Enabling Bid Package #1 documents (drawings and specifications) will be made available to all bidders for reference on the City of Worcester website: http://bids.worcesterma.gov/. Site Enabling Bid Package #1 addendum (Addendum #1 only) is included with this Addendum #6.**

SPECIFICATIONS

1. DOCUMENT 00 01 10 – TABLE OF CONTENTS (in each volume)

Page 1, DIVISION 00

Insert:	"Document 00 91 11	Addendum Number 1 dated May 1, 2018 issued as part of the Site Enabling Bid Package #1 and included by reference herewith.
	Document 00 91 12	Addendum Number 2 dated September 11, 2018 issued as part of the Early Site Bid Package #2 and included by reference herewith.
	Document 00 91 13	Addendum Number 3 dated September 19, 2018 issued as part of the Early Site Bid Package #2 and included by reference herewith.
	Document 00 91 14	Addendum Number 4 dated September 19, 2018 issued as part of the Early Site Bid Package #2 and included by reference herewith.
	Document 00 91 15	Addendum Number 5 dated December 27, 2018 issued as part of the Early Structural Bid Package #3 and included by reference herewith."

2. DOCUMENT 00 11 16 – INVITATION TO BID

Page 1, paragraph beginning with "**SEALED FILED TRADE BIDS**…"

Delete: "February 27, 2019"

Insert: "March 6, 2019"

3. SECTION 00 21 13 – INSTRUCTIONS TO BIDDERS

Page 3, SECTION 4, paragraph 4.5
Delete: "February 22, 2019"
Insert: "March 1, 2019"

DRAWINGS

1. None

ATTACHMENTS

DOCUMENTS:

1. Addendum #1 – Site Enabling Bid Package #1 (dated May 1, 2018): referred to in Final Bid Package Table of Contents and attached hereto.
2. Addendum #2 – Early Site Bid Package #2 (dated September 11, 2018): referred to in Final Bid Package Table of Contents and attached hereto.
3. Addendum #3 – Early Site Bid Package #2 (dated September 19, 2018): referred to in Final Bid Package Table of Contents and attached hereto.
4. Addendum #4 – Early Site Bid Package #2 (dated September 19, 2018): referred to in Final Bid Package Table of Contents and attached hereto.
5. Addendum #5 – Early Structural Bid Package #3 (dated December 27, 2018): referred to in Final Bid Package Table of Contents and attached hereto.

SKETCHES:

None

END OF ADDENDUM #6

S E-ADDENDUM No. 1 – May 1, 2018

GENERAL

This addendum modifies, amends, and supplements designated parts of the Contract Documents for the above project and is hereby made part thereof by reference and shall be as binding as though inserted in locations designated hereunder.

It shall be the responsibility of the bidders to notify all subcontractors and suppliers he proposes to use for the various parts of the work for any changes or modifications contained in this addendum. No claim for additional compensation because of lack of knowledge of the contents of this addendum will be considered.

PART 1 GENERAL

1. None

PART 2 SPECIFICATIONS

1. None

PART 3 DRAWINGS

1. Drawing EC3.0 Erosion and Sediment Control Plan has been revised based on Conservation Commission review comments, refer to the attached revised drawing.

PART 4 CM QUESTIONS AND RESPONSES

QUESTION # 1

A fencing sub would like to confirm that there are two rows of fencing along certain areas of the job. Referencing Sheet EC3.0, there appears to be a construction fence depicted with the erosion control barrier (ECB line type), around the perimeter of the site. However, there also appears to be other areas where additional fencing is called out, directly adjacent to the ECB. Could you try to clarify?

RESPONSE: Refer to the attached drawing EC3.0, revised as part of this Addendum.

QUESTION # 2

Please confirm what the limits are of the “Construction Access Road”? There are two details for asphalt paving, but only one shade on the L&M plan.

RESPONSE: All areas should be paved per the “Construction Access Road Hot Mix Asphalt Paving Detail” on EC-7.1.

QUESTION # 3

The retaining wall fencing that it will be permanent is called out, but the only details on the plans show construction fencing. Would this retaining wall fence be different in type and height?

RESPONSE: That fence will be 4 ft chain link and the details for it are in spec section 32 31 13. Details for the fence are also provided on EC7.1 in detail titled “Fence Connection Locations.”

QUESTION # 4

Is sheet EP1 "Electrical Temporary Lighting Pan" part of the site work scope for the site enabling bid? If so, please provide a spec for the temporary lighting. If not, will the site contractor be responsible to provide assistance to the electrical subcontractor i.e. excavate and backfill trenches and installing bases?

RESPONSE: The actual electrical work will not be by the site contractor but they will be providing assistance as noted. There is also a request in the scope to provide a unit price for temp light poles.

QUESTION # 5

Bid Alternate #2 in the subcontractor scope of work states "remove and salvage existing lighting." The site demolition plan shows to maintain and protect existing lighting. Please clarify.

RESPONSE: Alternate two is for the small parking area at the Sullivan school and the note only applies to the poles in that area (2 total). Poles that are currently operating will be protected and the poles that are inoperable will be removed and disposed of

QUESTION # 6

There are three different details depicting construction fence on the plans (EC7.0); Chain Link Construction Fence, Temporary Chain Link Construction Fence With Ballast Bases, and Perimeter Erosion Control Barrier-Super Silt Fence. All three have differing heights and construction parameters (top rail/tension wire). Could you please confirm the following regarding the fencing:

- Unless noted differently, all temp construction fencing should be 6' in height.
- Top and center rails are only required on the ballasted fencing; tension wires on all other types.
- Temporary fence shall conform to spec section 015000.2.1A.

RESPONSE: Yes, confirmed.

PART 5 ATTACHMENTS

DOCUMENTS:

None

SKETCHES:

None

DRAWINGS:

EC3.0 Erosion and Sediment Control Plan

END OF ADDENDUM #1

PROPOSED BUILDING

EXISTING SULLIVAN MIDDLE SCHOOL

EXISTING SOUTH HIGH COMMUNITY SCHOOL

100' WETLAND BUFFER ZONE
30' STRUCTURE SETBACK
15' GRADING SETBACK
EDGE OF BORDERING VEGETATED WETLAND

CONSERVATION RESTRICTION LINE

CONSTRUCTION FENCE FINAL LOCATION TO BE DETERMINED BY CONTRACTOR

EROSION CONTROL BARRIER

12' CONSTRUCTION GATE

24' SECONDARY/EMERGENCY CONSTRUCTION GATE

STABILIZED CONSTRUCTION ENTRANCE

INLET PROTECTION (TYP.)

BALLASTED CONSTRUCTION FENCE TO FACILITATE TEMPORARY PARKING CONSTRUCTION FINAL LOCATION TO BE DETERMINED BY CONTRACTOR

JERSEY BARRIER AND CONSTRUCTION FENCE FINAL LOCATION TO BE DETERMINED BY CONTRACTOR

24' CONSTRUCTION GATE

WORCESTER
LEICESTER

APRICOT STREET

NOTES:
1. REFER TO DRAWING EC1.0 FOR EROSION AND SEDIMENTATION NOTES, LEGEND, AND ABBREVIATIONS.

SCALE:
1" = 40'
40 20 0 40 80

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F: (617) 338-6472
- Civil Engineering
- Land Surveying
- Transportation Engineering
- Structural Engineering
- Environmental
- Water Resource Engineering
- GIS

OWNER

Worcester Public Schools

Worcester, MA

Project North

PROJECT

SITE ENABLING BID PACKAGE #1

South High Community School

170 Apricot Street, Worcester, MA 01603

TITLE

EROSION AND SEDIMENT CONTROL PLAN

Key Plan

REVISIONS

No.	Description	Date
1	Addendum #1	5/1/2018

FILE: 11677cec-Enabling

DWN. BY: ER | JOB NO: #1611

CKD. BY: JFG | SCALE: 1"=40'

DATE: April 12, 2018

EC3.0

Nitsch Project #11677

ADDENDUM No. 2 – September 11, 2018

GENERAL

This addendum modifies, amends, and supplements designated parts of the Contract Documents for the above project and is hereby made part thereof by reference and shall be as binding as though inserted in locations designated hereunder.

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SPECIFICATIONS

1. DOCUMENT 00 01 10 – TABLE OF CONTENTS (in each volume)

Page 3, APPENDICES
Insert at end: "Appendix N Fontaine-W.T. Rich Phasing Plans (PH-2A, PH-3, PH-3A)"

2. APPENDIX A, B, C, D, E, F, G, H, I, J, K, L, M, N

Divider Cover, header
Delete: "Design Development Specifications"
Insert: "60% CD & Early Site Bid Package #2"

3. APPENDIX B

Divider Cover
Delete: "BORING LOGS AND LOCATIONS"
Insert: "NOT USED"

4. APPENDIX C

Divider Cover
Delete: "DOUBLE RING INFILTROMETER TESTS"
Insert: "NOT USED"

5. APPENDIX N – FONTAINE-W.T. RICH PHASING PLANS (PH-2A, PH-3, PH-3A)

Insert Entire Document (attached)

DRAWINGS

1. DRAWING C6.2 – Roadway Signage & Striping Plan

A. Refer to sketch ADD2/C-001

2. DRAWING C6.3 – Roadway Signage & Striping Plan

A. Refer to sketch ADD2/C-002

3. DRAWING C8.0 – Site Utility Plan

A. Refer to sketch ADD2/C-003
B. Refer to sketch ADD2/C-004

4. DRAWING C8.1 – Site Utility Plan

A. Refer to sketch ADD2/C-005

5. DRAWING C8.2 – Site Utility Plan

A. Refer to sketch ADD2/C-006

6. DRAWING C8.3 – Site Utility Plan

A. Refer to sketch ADD2/C-007
B. Refer to sketch ADD2/C-008

7. DRAWING C9.0 – Site Drainage Plan

A. Refer to sketch ADD2/C-010
B. Refer to sketch ADD2/C-014

8. DRAWING C9.1 – Site Drainage Plan

A. Refer to sketch ADD2/C-010
B. Refer to sketch ADD2/C-012
C. Refer to sketch ADD2/C-013

9. DRAWING C9.2 – Site Drainage Plan

A. Refer to sketch ADD2/C-011

10. DRAWING C11.2 – Civil Details

A. Refer to sketch ADD2/C-015
B. Refer to sketch ADD2/C-016
C. Refer to sketch ADD2/C-017
D. Refer to sketch ADD2/C-018
E. Refer to sketch ADD2/C-019

11. DRAWING L2.4 – Materials & Lighting

A. Refer to sketch ADD2/L-002

12. DRAWING L4.0 – Planting

A. Refer to sketch ADD2/L-001

13. DRAWING L4.1 – Planting

A. Refer to sketch ADD2/L-001

14. DRAWING L4.2 – Planting

A. Refer to sketch ADD2/L-001

ATTACHMENTS

DOCUMENTS:

1. Appendix N- Fontaine-W.T. Rich Phasing Plan PH-2A
2. Appendix N- Fontaine-W.T. Rich Phasing Plan PH-3
3. Appendix N- Fontaine-W.T. Rich Phasing Plan PH-3A

SKETCHES:

CIVIL

1. ADD-2/C-001 Roadway Signage and Striping Plan Sketch
2. ADD-2/C-002 Roadway Signage and Striping Plan Sketch
3. ADD-2/C-003 Site Utility Plan Sketch
4. ADD-2/C-004 Site Utility Plan Sketch
5. ADD-2/C-005 Site Utility Plan Sketch
6. ADD-2/C-006 Site Utility Plan Sketch
7. ADD-2/C-007 Site Utility Plan Sketch
8. ADD-2/C-008 Site Utility Plan Sketch
9. ADD-2/C-009 Site Drainage Plan Sketch
10. ADD-2/C-010 Site Drainage Plan Sketch
11. ADD-2/C-011 Site Drainage Plan Sketch
12. ADD-2/C-012 Site Drainage Plan Sketch
13. ADD-2/C-013 Site Drainage Plan Sketch
14. ADD-2/C-014 Site Drainage Plan Sketch
15. ADD-2/C-015 Civil Detail Sketch
16. ADD-2/C-016 Civil Detail Sketch
17. ADD-2/C-017 Civil Detail Sketch
18. ADD-2/C-018 Civil Detail Sketch
19. ADD-2/C-019 Civil Detail Sketch

LANDSCAPE

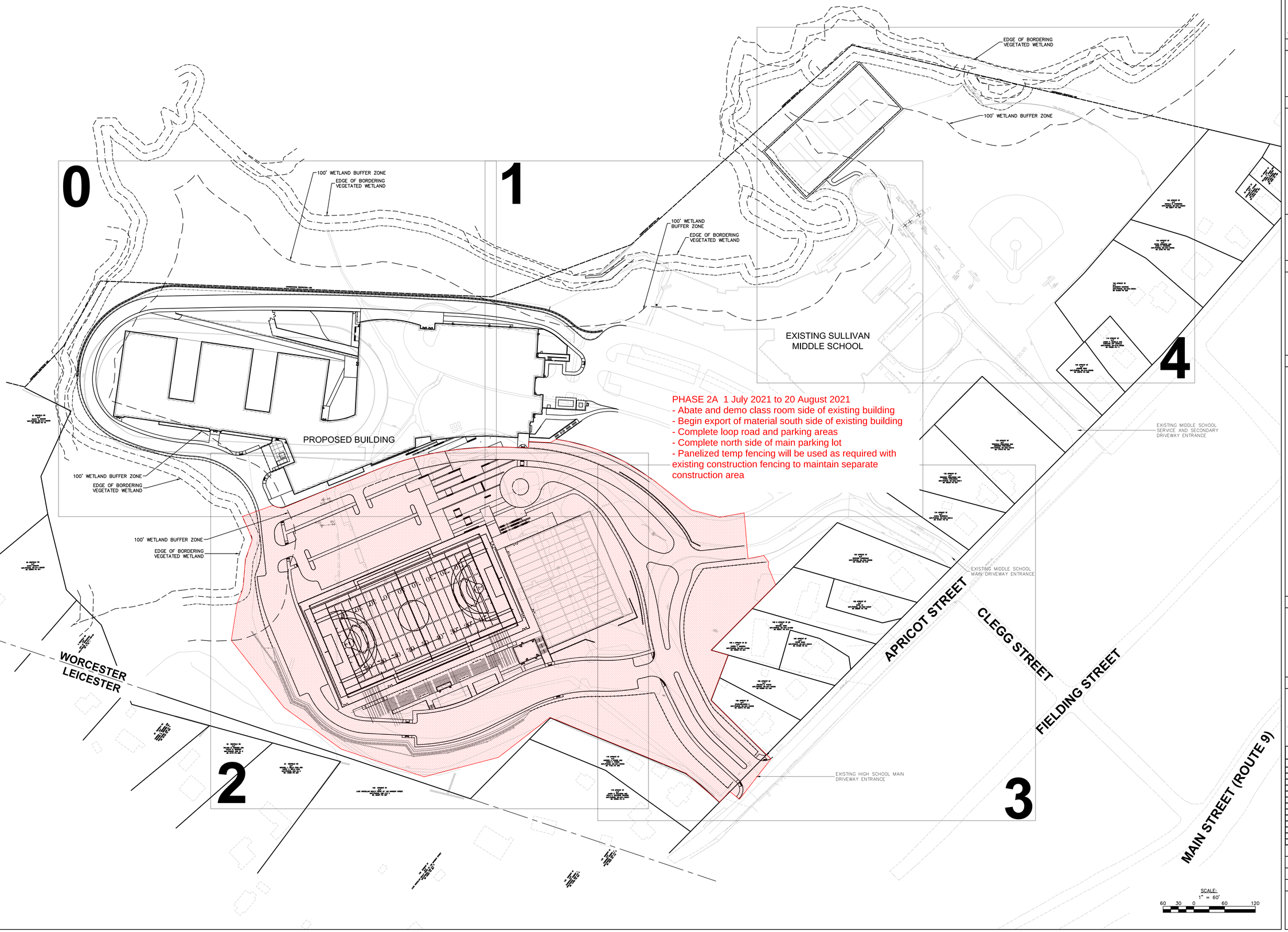
1. ADD-2/L-001 Courtyard Trees
2. ADD-2/L-002 Tennis Equipment Callouts

END OF ADDENDUM #2

APPENDIX N

FONTAINE – WT RICH PHASING PLANS

(PH-2A, PH-3, PH-3A)



PHASE 2A 1 July 2021 to 20 August 2021
- Abate and demo class room side of existing building
- Begin export of material south side of existing building
- Complete loop road and parking areas
- Complete north side of main parking lot
- Panelized temp fencing will be used as required with existing construction fencing to maintain separate construction area

SCALE:
1" = 60'
60 30 0 60 120

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Worcester, MA

Project North

PROJECT

EARLY SITE BID PACKAGE #2

South High Community School

170 Apricot Street, Worcester, MA 01603

TITLE

FONTAINE-WT RICH
PHASING
PLAN

Key Plan

REVISIONS

No.	Description	Date

FILE: 11677clo

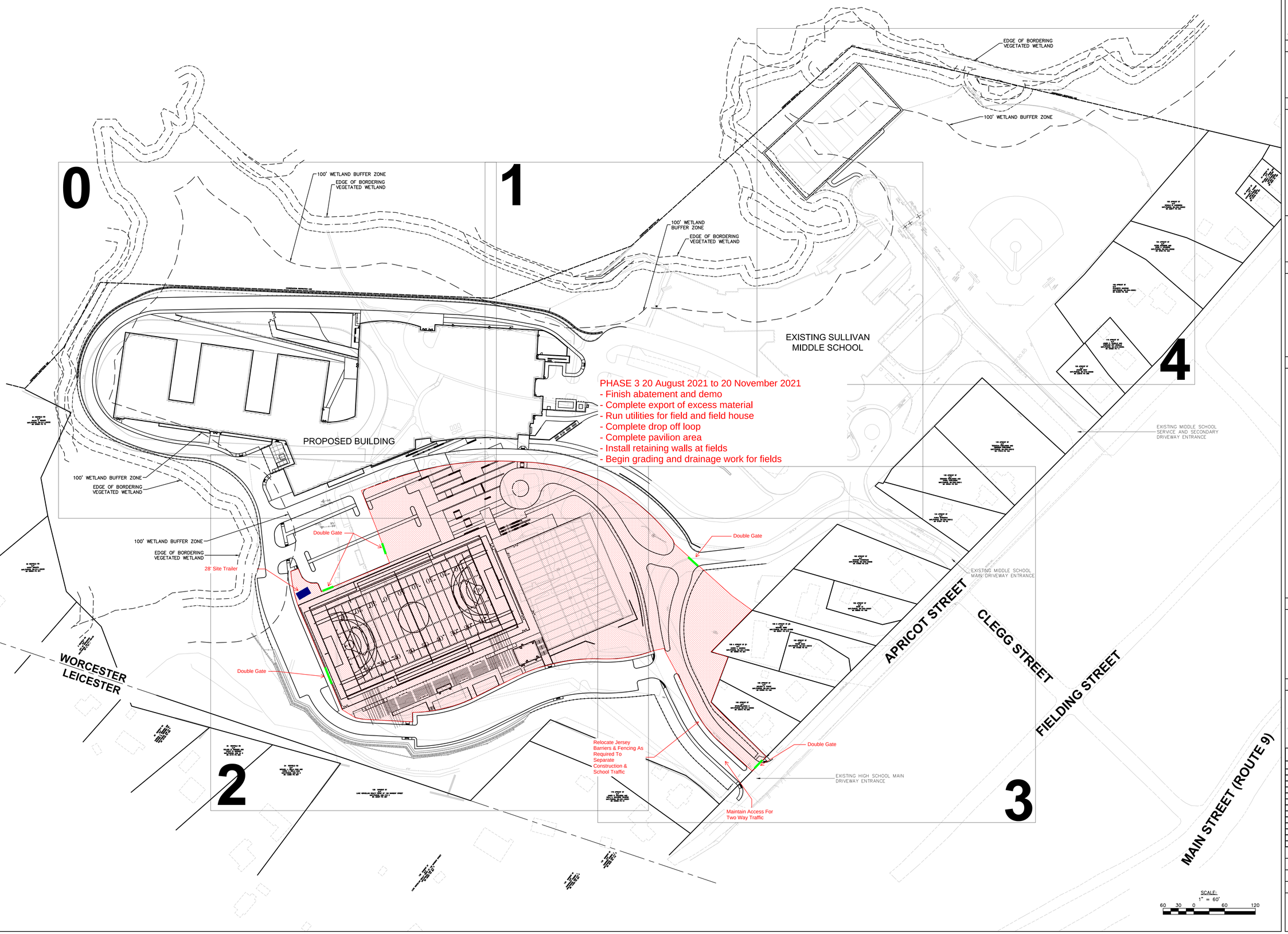
DWN. BY: ER	JOB NO: #1611
CKD. BY: JEG	SCALE: 1"=60'

DATE: August 3, 2018

PH-2A

Nitsch Project #11677

OWNER SITE



PHASE 3 20 August 2021 to 20 November 2021
- Finish abatement and demo
- Complete export of excess material
- Run utilities for field and field house
- Complete drop off loop
- Complete pavilion area
- Install retaining walls at fields
- Begin grading and drainage work for fields

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Worcester Public Schools

Worcester, MA

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PROJECT

EARLY SITE BID PACKAGE #2

South High Community School

170 Apricot Street, Worcester, MA 01603

TITLE

FONTAINE-WT RICH
PHASING
PLAN

Key Plan

REVISIONS

No.	Description	Date

FILE: 11677clo

DWN. BY: ER	JOB NO: #1611
CKD. BY: JEG	SCALE: 1"=60'
DATE: August 3, 2018	

PH-3

Nitsch Project #11677

DRAWING SITE

0

1

2

3

4

100' WETLAND BUFFER ZONE

EDGE OF BORDERING VEGETATED WETLAND

EXISTING SULLIVAN MIDDLE SCHOOL

PROPOSED BUILDING

PHASE 3A 20 November 2021 to 30 July 2022
- Install turf fields
- Complete field house
- Complete field and site lighting
- Install Bleachers and scoreboard
- Install fencing
- Install stairs, ramps, and railings
- Complete all remaining landscaping and site improvements

Double Gate

28' Site Trailer

EXISTING MIDDLE SCHOOL SERVICE AND SECONDARY DRIVEWAY ENTRANCE

EXISTING MIDDLE SCHOOL MAIN DRIVEWAY ENTRANCE

EXISTING HIGH SCHOOL MAIN DRIVEWAY ENTRANCE

APRICOT STREET

CLEGG STREET

FIELDING STREET

MAIN STREET (ROUTE 9)

WORCESTER
LEICESTER

SCALE:
1" = 60'
60 30 0 60 120

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CONSULTANT

Worcester Public Schools

Worcester, MA

Project North

PROJECT

EARLY SITE BID PACKAGE #2

South High Community School

170 Apricot Street, Worcester, MA 01603

TITLE

FONTAINE-WT RICH PHASING PLAN

Key Plan

REVISIONS

No.	Description	Date

FILE: 11677clo

DWN. BY: ER | JOB NO: #1611

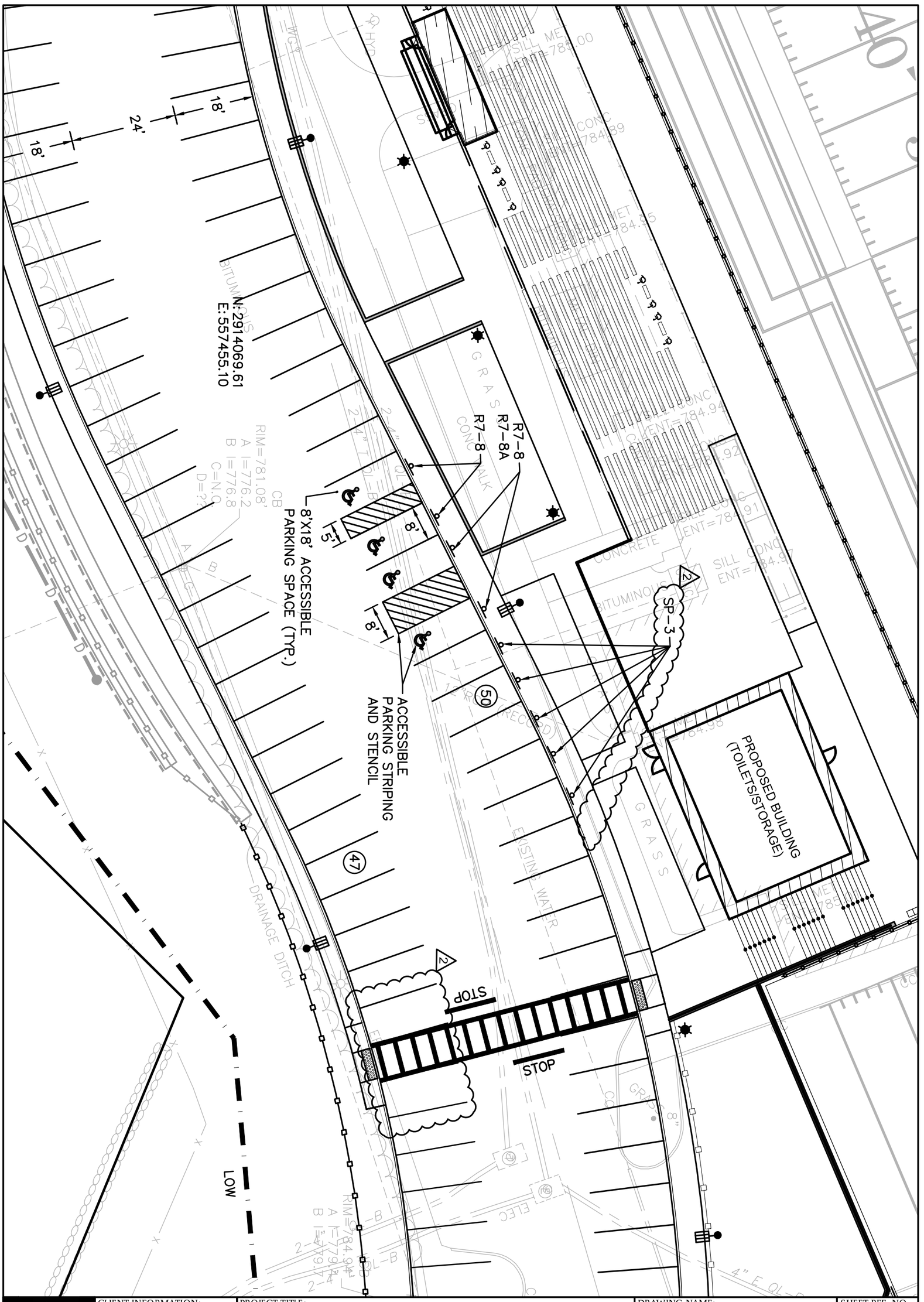
CKD. BY: JEG | SCALE: 1"=60'

DATE: August 3, 2018

PH-3A

Nitsch Project #11677

OWNER'S SITE



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CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

PROJECT TITLE:
EARLY SITE BID PACKAGE #2

South High Community School

170 Apricot Street, Worcester, MA 01603

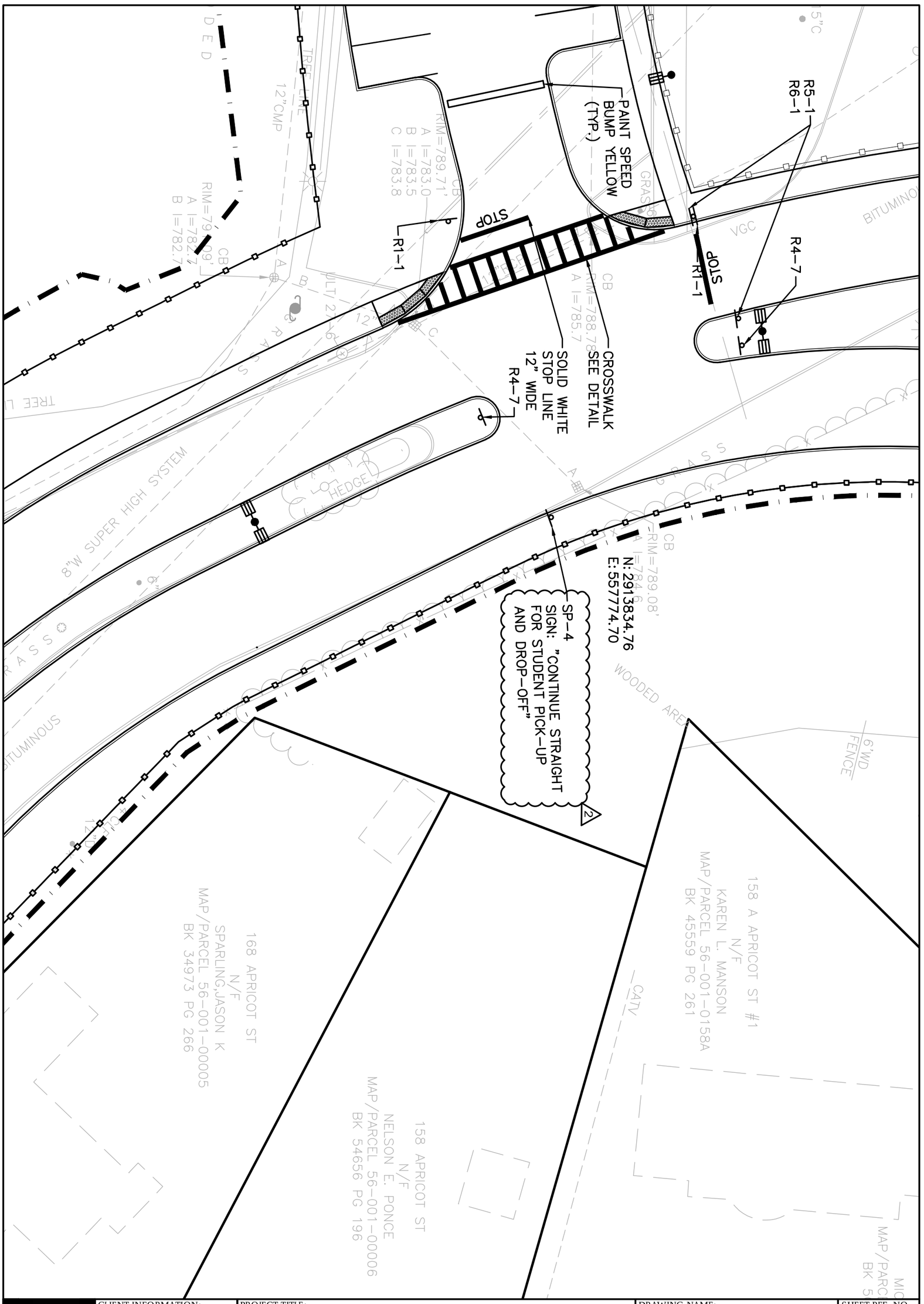
DRAWING NAME:
Roadway Signage and Striping Plan Sketch

SHEET REF. NO.
C6.2

DATE:
09/11/18

SCALE:
1"=20'

DRAWING NUMBER:
ADD-2
C-001



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CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

PROJECT TITLE:
EARLY SITE BID PACKAGE #2

South High Community School

170 Apricot Street, Worcester, MA 01603

DRAWING NAME:
Roadway Signage and Striping Plan Sketch

SHEET REF. NO.
C6.3

DATE:
09/11/18

SCALE:
1"=20'

DRAWING NUMBER:
ADD-2
C-002

SS#1
INV=761.00

JUNCTION BOX

SS#2
INV=762.00

6" PVC

SMH#311
RIM=766.24
INV IN=760.65
INV OUT=760.30

SMH#312
RIM=764.46
INV IN(SS-2)=760.95
INV IN(SS-3)=760.90
INV OUT=760.80

SS#3
INV=761.55

SS#4
INV=763.00

4" PVC

PROPOSED BUILDING

12,000 GAL EXTERIOR GREASE TRAP
RIM=764.22
INV IN=760.90
INV OUT=760.73
SEE PLUMBING PLANS FOR DETAILS
PER PLUMBING CODE:
2,340 MEALS*5 GAL PER
MEAL=11,700 GAL REQUIRED

SMH#309
RIM=766.94
INV IN=759.15
INV OUT=759.05

L=41.08'
R=25.01'

4" VENT

JUNCTION BOX

L=40.15'
R=25.00'

JUNCTION BOX

L=15.89'
R=10.00'

8" PVC

6" DI

8" DI

CB
RIM=764.73'
A I=759.9
B I=760.1

10"CMP

10" CLF

GRASS

GATE

BITUMINOUS

MET POST

BUSHES

HYD

CHLINE

F/C

S/E

SHEET REF. NO.
C8.0

DRAWING NUMBER:
ADD-2

DRAWING NAME:
Site Utility Plan Sketch

DATE:
09/11/18

SCALE:
1" = 20'

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School

CLIENT INFORMATION:
Worcester Public Schools

LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS
100 GROVE STREET, SUITE 310
WORCESTER, MASSACHUSETTS 01605

PROPOSED BUILDING

SMH#306
DROP MANHOLE
RIM=767.43
INV IN(SMH#307)=755.85
INV IN(SMH#303 DROP CONNECTION– TOP)=763.00
INV IN(SMH#303 DROP CONNECTION– BOTTOM)=755.85
INV OUT=755.75

SMH#307
DROP MANHOLE
RIM=767.50
INV IN(SMH#308)=756.60
INV IN(SS#3 DROP CONNECTION– TOP)=762.50
INV IN(SS#3 DROP CONNECTION– BOTTOM)=756.60
INV OUT=756.50

SMH#308
RIM=767.52
INV IN=757.90
INV OUT=757.45

SS#5
INV=760.75

6" PVC
8" PVC
8" PVC
8" PVC
8"RCP

20"PINE
18"PINE
24"PINE
18"PINE
18"PINE
20"PINE
24"PINE
24"PINE
18"TWIN
30"PINE
4"PINE
15"PINE
2" TWIN

ASPHALT TRACK
STONE DUST PLAYGROUND
CONC WALK
CONC WALLS
FLAT
2' RAIL ON CONC STAIRS AND LANDING
LP BASE ONLY
GRASS
BIT WALK
TREE LINE
WOODED
BITUMINOUS
CONC
WOOD PLANTERS
CONCRETE STEPS
PLAYGROUND FURNITURE
MET BENCH
DWD BOX
CB RIM=767.69' A I=763.4 B I=763.7
CB RIM=767.0
4.15'
4.8
4.8
4.8

HYD

SHEET REF. NO. C8.0

DRAWING NUMBER: ADD-2

DRAWING NAME: Site Utility Plan Sketch

DATE: 09/11/18

SCALE: 1" = 20'

PROJECT TITLE:
South High Community School
EARLY SITE BID PACKAGE #2

CLIENT INFORMATION:
Worcester Public Schools

LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS
100 GROVE STREET, SUITE 330
WORCESTER, MASSACHUSETTS 01605

PROPOSED BUILDING

4" VENT
2 SS#7
INV=741.40
4" VENT
2 SS#6
INV=743.00
GAS-SAND TRAP#2
SEE PLUMBING
PLANS FOR DETAILS

EMERGENCY GENERATOR
SEE ELECTRICAL PLANS
FOR DETAILS

6" DI DOMESTIC
WATER SERVICE
8" DI FIRE
PROTECTION SERVICE

2 4'x6' GAS METER
SEE PLUMBING PLANS
FOR DETAILS

SMH#304
RIM=758.26
INV IN(SMH#306)=754.80
INV OUT=754.37

4" GAS SERVICE

L=76.50'
R=5.02'

4" PVC
6" PVC
L=8.19'
R=5.02'
4" PVC

PUMP CHAMBER
RIM=744.25
INV IN=740.35

L=30.68'
R=25.00'

VALVE CHAMBER

L=25.73'
R=20.00'

CONNECT TO
EXISTING TEE

DMH
RIM=739.41'
A =726.6
B =723.6

CATV HANDHOLE SEE
ELECTRICAL PLANS FOR
DETAILS

TELECOM DUCT BANK
SEE ELECTRIC PLANS
FOR DETAILS

ELECTRIC DUCT BANK
SEE ELECTRIC PLANS
FOR DETAILS

TRANSFORMER
SEE ELECTRICAL
PLANS FOR DETAILS

L=8.23'
R=19.53'

L=59.75'
R=59.8'

N: 2914244.34
E: 55[illegible]0.59

TELECOM HANDHOLE
SEE ELECTRICAL PLANS
FOR DETAILS

4" SANITARY
FORCE MAIN

SMH#305
RIM=759.46
INV IN(SMH#30[illegible]
INV IN(FM)=75[illegible]
INV OUT=753.[illegible]

CONNECT TO
SEWER MANHO[illegible]
CONTRACTOR
INVERT IN THE
INSTALLATION
INV IN=753.00

RELINE SEWER
SMH TO CONN[illegible]
APRICOT STRE[illegible]

SMH
RIM=761.33'
BC=752.9

8" PVC
8" PVC
8" PVC

RECORD 8"VC SEWER
8"SEWER

RIM=744.86'
INV=741.0

L=[illegible]
R=[illegible]

B I=739.9
E QL-B
10"RCP
18"RCP
BITUMINOUS
CONCRETE
GRASS
WOODED
CONC WALKWAY
BIT WALKWAY
TREE LINE
LOW
RECORD
SMH

SHEET REF. NO. C8.1
DRAWING NUMBER: ADD-2
DRAWING NAME: Site Utility Plan Sketch
DATE: 09/11/18
SCALE: 1"=20'

EARLY SITE BID PACKAGE #2

South High Community School

PROJECT TITLE:

CLIENT INFORMATION:
Worcester Public Schools

LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS
108 GROVE STREET, SUITE 310
WORCESTER, MASSACHUSETTS 01605

HYDRANT

20' O.C.
(TYP.)

8" PVC

SMH#302
RIM=774.06
INV IN=768.80
INV OUT=768.70

8" PVC

4" PVC

1.5" TYPE
K COPPER
PIPE

GROUND
HYDRANT

SMH#300
RIM=774.06
INV IN=769.55
INV OUT=769.45

GAS-SAND TRAP#1
SEE PLUMBING PLANS
FOR DETAILS

SS#8
INV=770.00

PROPOSED BUILDING
(TOILETS/STORAGE)

SMH#301
RIM=774.06
INV IN(SMH#300)=769.30
INV IN(SS#9)=769.80
INV OUT=769.20

SS#9
INV=770.00

CB
RIM=783.20'
A 1=778.4

HYD

EXISTING WATER

6" DI

12"CMP

GRASS

CONC WALK

METAL BIN

BITUMINOUS

CONC

TRIPLE"5

8"

12" (RECORD)

2-4" E QL-B

CO-2

CO-3

SHEET REF. NO.
C8.2

DRAWING NAME:
Site Utility Plan Sketch

DRAWING NUMBER:
ADD-2

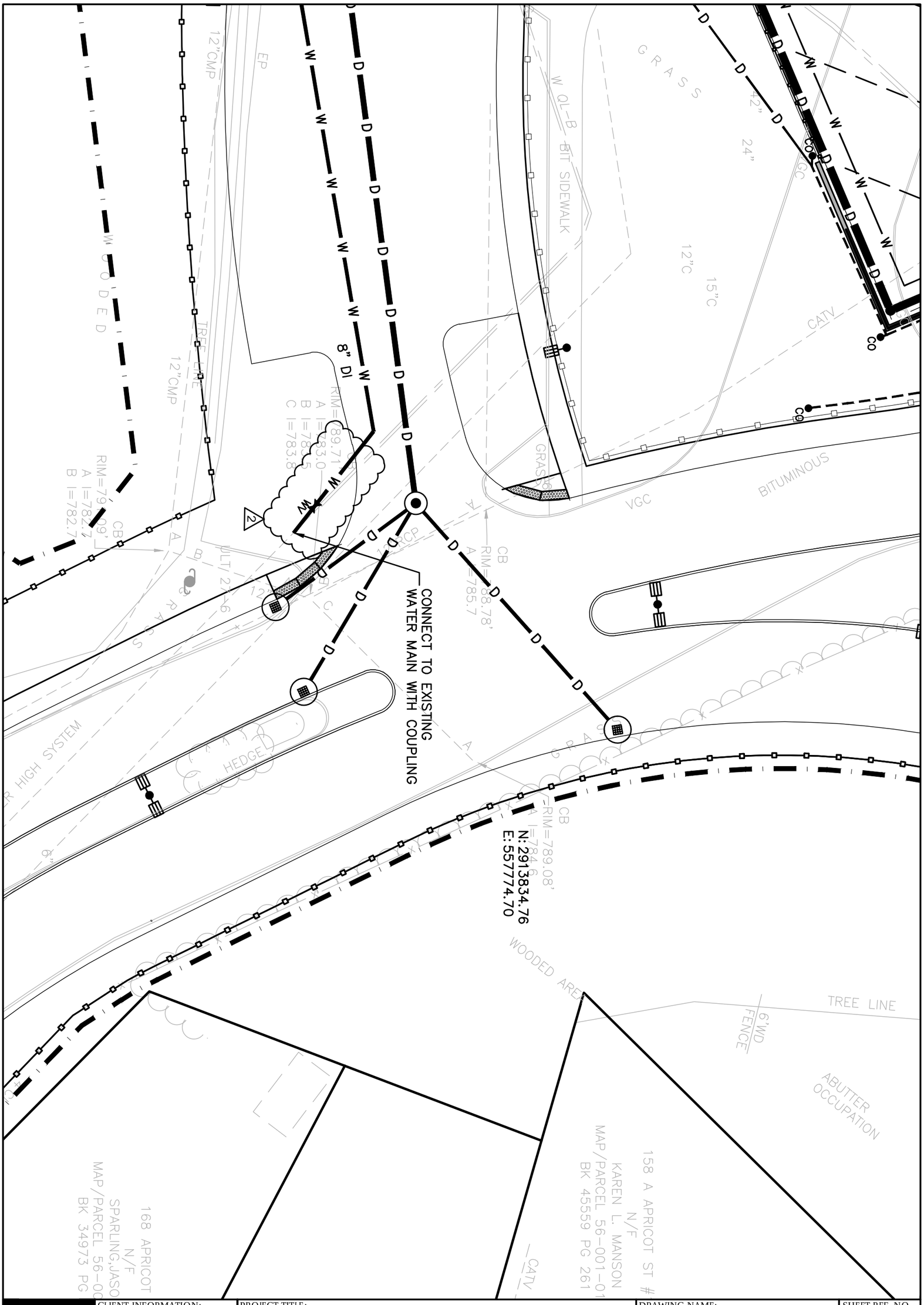
DATE:
09/11/18

SCALE:
1"=20'

PROJECT TITLE:
South High Community School
EARLY SITE BID PACKAGE #2

CLIENT INFORMATION:
Worcester Public Schools

LAMOUREUX PAGANO
ASSOCIATES, ARCHITECTS
100 GROVE STREET, SUITE 310
WORCESTER, MASSACHUSETTS 01605

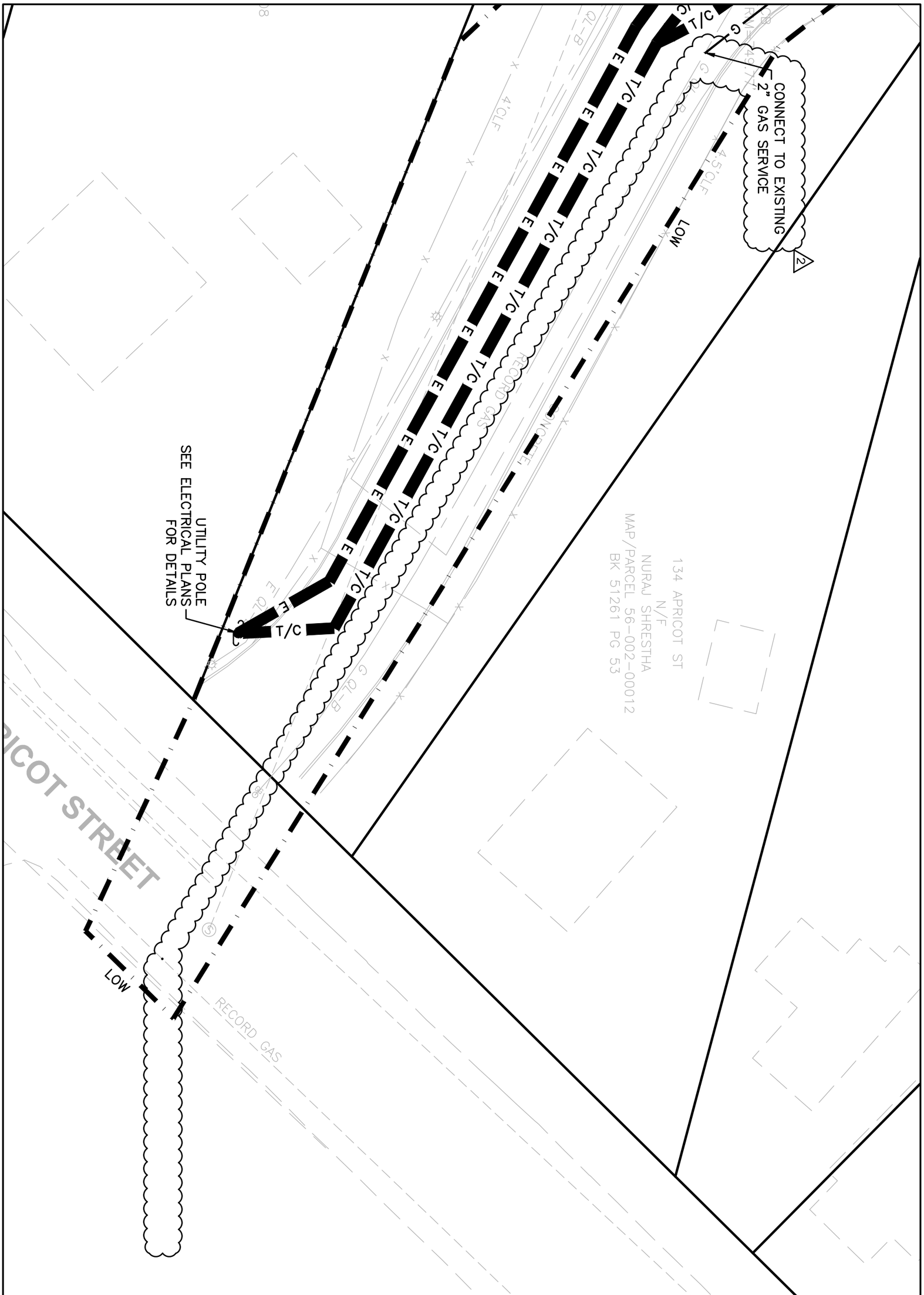


LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS
100 GROVE STREET, SUITE 300
WORCESTER, MASSACHUSETTS 01605

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

DRAWING NAME: Site Utility Plan Sketch
SHEET REF. NO. C8.3
DATE: 09/11/18
SCALE: 1" = 20'
DRAWING NUMBER: ADD-2 / C-007



LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS 100 GROVE STREET, SUITE 300 WORCESTER, MASSACHUSETTS 01605	CLIENT INFORMATION: Worcester Public Schools City of Worcester	PROJECT TITLE: EARLY SITE BID PACKAGE #2 South High Community School 170 Apricot Street, Worcester, MA 01603	DRAWING NAME: Site Utility Plan Sketch DATE: 09/11/18 SCALE: 1" = 20'	SHEET REF. NO. C8.3 DRAWING NUMBER: ADD-2 C-008

AB#264
RIM=766.58
INV IN=760.96

AB#265
RIM=767.78
INV IN=760.79

RAIN GARDEN #3

PROPOSED BUILDING

PERIMETER DRAIN
SEE DETAIL

TD#1
18" TRENCH DRAIN
RIM=763.75
INV OUT=762.25

RD#2
INV=761.75

DMH#224
RIM=767.52
INV IN(RD#2)=761.35
INV IN(DMH#225)=759.30
INV OUT=759.30

12" CPP

4" PERF. CPP
UNDERDRAIN
INV=762.08

RD#3
INV=765.00

10" CPP

DMH#222
RIM=766.84
INV IN(RD#3)=763.00
INV IN(DMH#224)=759.30
INV OUT=759.30

L=15.89'
R=10.00'

36" PERF. CPP

UNDERGROUND RECHARGE
SYSTEM #3 (UG-3)
425 LF – 36" PERF. CPP
BOTTOM OF STONE=758.97
BOTTOM OF 36" CPP=759.30

DMH#221
RIM=766.12
INV IN(AD#123)=762.00
INV IN(AD#124)=762.00
INV OUT=761.90

AD#124
RIM=766.50
INV=762.08

CB#125
RIM=767.11
INV=762.87

12" CPP

BIORETENTION BASIN #2

AD#123
RIM=766.50
INV IN=762.10
INV OUT=762.08

4" PERF. CPP
UNDERDRAIN
INV=762.08

12" CPP

8" PVC

AD#167
RIM=768.33
INV=765.00

AD#168
RIM=769.43
INV IN=764.50
INV OUT=764.40

L=11.29'
R=3.76'

40.15'
25.00'

BIORETENTION BASIN #1

12" CPP

SHEET REF. NO.	C9.0
DRAWING NUMBER:	ADD-2 / C-009
DRAWING NAME:	Site Drainage Plan Sketch
DATE:	09/11/18
SCALE:	1"=20'

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS
100 GROVE STREET, SUITE 300
WORCESTER, MASSACHUSETTS 01605
MEMBER OF THE AMERICAN INSTITUTE OF ARCHITECTS

PROPOSED BUILDING

EMERGENCY GENERATOR
SEE ELECTRICAL PLANS
FOR DETAILS

6" PERF. PVC
PERIMETER DRAIN
SEE DETAIL

RD#1
INV=761.00

DMH#225
RIM=767.68
INV IN=760.90
INV OUT=759.30

15" CPP

RD#2
INV=761.75

DMH#224
RIM=767.52
INV IN(RD#2)=761.35
IN(DMH#225)=759.30
INV OUT=759.30

12" CPP

CB#128
RIM=766.62
INV=763.70

36" PERF. CPP

OCS#405
RIM=768.92
INV OUT=763.30

WQS#218
RIM=767.89
INV IN=763.50
INV IN=767.39
INV OUT=763.40

8" PVC

20"PINE
18"PINE
24"PINE
18"TWIN
30"PINE
15"PINE
GRASS
CONC WALKS
HIP PATH
CONC WALK
LP BASE ONLY
2' RAIL ON CONC STAIRS AND LANDING
CC
BIT WALK
TREE LINE
WOODED
BITUMINOUS
CONC
CONCRETE
WOOD PLANTERS
CB
2"
2"TWIN
6"TWIN
8"RCP
12"CMP
CO

SHEET REF. NO. C9.1

DRAWING NUMBER: ADD-2 / C-010

DRAWING NAME: Site Drainage Plan Sketch

DATE: 09/11/18

SCALE: 1" = 20'

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

LAMOUREUX PAGANO ASSOCIATES ARCHITECTS
338 GROVE STREET, SUITE 300
WORCESTER, MASSACHUSETTS 01605

MEMBER OF THE AMERICAN INSTITUTE OF ARCHITECTS

MATCHLINE

L=40.15'
R=25.00'

JUNCTION BOX

OCS#404
RIM=766.44
INV IN=759.30
INV OUT=758.45

4" PERF. CPP UNDERDRAIN
INV=762.08

AD#123
RIM=766.50
INV IN=762.10
INV OUT=762.08

BIORETENTION BASIN #1

12" CPP

18" CPP

8" PVC

12" CPP

WQS#227
RIM=767.60
INV IN(CB#12
INV IN(DMH#
INV OUT=76

DMH#253
RIM=767.00
INV IN=757.55
INV OUT=756.70

100' WETLAND BUFFER ZONE

30' STRUCTURE SETBACK

15' GRADING SETBACK

EDGE OF BORDERING VEGETATED WETLAND

CONNECT TO EXISTING
18" RCP PIPE
INV(EX)=756.35

FES FULL" STONE
EL=756.06'

INV 18" RCP
EL=755.64'

DMH#254
RIM=760.58
INV IN=755.75

CB#121
RIM=767.61
INV=763.35

CB#120
RIM=768.27
INV=764.00

OCS#403
RIM=763.22
INV OUT=758.75

L=34.32'
R=25.82'

CB
RIM=766.15'
A I=758.1
B I=758.7 (12" RCP)
C I=761.3 (6" PVC)

UNDERGROUND RECH
SYSTEM #1 (UG-1)
640 LF – 36" PERF
BOTTOM OF STONE=
INV 36" CPP=761.20

18" CPP

DMH#215
RIM=770
INV IN=7

CONNECT TO EXISTING

WF#CR-12
WF#CR-11
WF#CR-10
WF#CR-9
WF#CR-8
WF#CR-7
WF#CR-6
WF#CR-5
WF#CR-4
WF#CR-3

4'CLF

12"CMP (18" REC)

12"RCP

1" CMP

JERSEY BARRIERS

SHEET REF. NO. C9.2

DRAWING NUMBER: ADD-2 / C-011

DRAWING NAME: Site Drainage Plan Sketch

DATE: 09/11/18

SCALE: 1"=20'

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

LAVOIE/BLY, PAGANO ASSOCIATES, ARCHITECTS
108 GROVE STREET, SUITE 200
WORCESTER, MASSACHUSETTS 01605

MEMBER OF THE AMERICAN INSTITUTE OF ARCHITECTS

CB#128
RIM=766.62
INV=763.70

36" PERF. CPP

SYSTEM #4 (UG-4)
425 LF – 36" PER
BOTTOM OF STONE=
INV 36" CPP=763.3

WQS#209
RIM=772.72
INV IN=764.10
INV OUT=764.00

OCS#405
RIM=768.92
INV OUT=763.30

WQS#218
RIM=767.89
INV IN=763.50
INV IN=767.39
INV OUT=763.40

8" PVC

12" CPP

CB#130
RIM=770.21
INV=765.75

8" PVC

12" CPP

8" PVC

DMH#206
RIM=767.19
INV IN=764.80
INV OUT=764.70

TD#3
8.00
5.50

12" CPP

12" CPP

AD#127
RIM=767.50
INV=763.70

BIORETENTION
BASIN #3

L=39.85'
R=25.00'

15" CPP

DMH#208
RIM=769.08
INV IN=762.80
INV OUT=762.80

DMH#256
RIM=769.00
INV IN=765.00
INV OUT=764.90

DMH#226
RIM=767.67
INV IN(WQS#218)=763.30
INV IN(AD#127)=763.35

DMH#229
RIM=771.75
INV IN=768.50
INV OUT=768.50

DMH#228
RIM=769.92
INV IN(CB#130)=765.60
INV IN(CB#131)=765.60
INV IN(DMH#206)=764.40
INV OUT=764.30

AB#266
RIM=774.63
INV IN=770.00
INV OUT=768.55

CB#131
RIM=770.16
INV OUT=765.75

15" CPP

18" CPP

18"X18" TEE
INV=768.50

18"X18" TEE
INV=768.50

SHEET REF. NO. C9.1

DRAWING NUMBER: ADD-2 / C-012

DRAWING NAME: Site Drainage Plan Sketch

DATE: 09/11/18

SCALE: 1"=20'

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS
128 PROVIDENCE STREET, SUITE 200
WORCESTER, MASSACHUSETTS 01605

MEMBER OF THE AMERICAN INSTITUTE OF ARCHITECTS

DMH#249
RIM=746.03
INV IN=739.10
INV OUT=739.00

CONNECT TO EXISTING
15" RCP PIPE
INV(EX)=725.14

CB#155
RIM=741.88
INV=738.15

CB#156
RIM=741.80
INV=737.55

JUNCTION BOX
ID#2
RIM=747.54
INV=745.50

FES 15" CMP
EL=716.30'

CB
RIM=746.57'
TH=742.92

CB
RIM=743.65'
TH=740.0

DMH
RIM=745.67'
A I=739.1
B I=739.9

L=37.40'
R=25.00'

L=30.68'
R=25.00'

L=25.73'
R=20.00'

L=7.50'
R=5.02'

L=8.19'
R=5.02'

15" CPP
4" CPP
6" CPP
8" PVC
10"RCP
18"RCP
8"PVC
LOW
WOODED
BITUMINOUS PARKING
BIT WALK
GRASS
CONC
E QL-B
QL-B
T/C
CO
CC
PVC

PROPOSED BUILDING

TRANSFORMER
SEE ELECTRICAL
PLANS FOR DETAILS

SHEET REF. NO. C9.1
DRAWING NUMBER: ADD-2 / C-013
DRAWING NAME: Site Drainage Plan Sketch
DATE: 09/11/18
SCALE: 1"=20'

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

LAVOIE/BLUM PAGANO ASSOCIATES, ARCHITECTS
108 GROVE STREET, SUITE 300
WORCESTER, MASSACHUSETTS 01605

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00
.75

DMH#246
RIM=748.93
INV IN(CB#150)=744.35
INV IN(DMH#242)=744.50
INV IN(CB#151)=744.35
INV OUT=744.10

15" CPP

CB#151
RIM=748.73
INV=744.48

DMH#247
RIM=748.94
INV IN(DMH#246)=744.00
INV IN(PD-1)=743.95
INV OUT=743.90

8" PVC

LOW CONSERVATION RESTRICTION LINE

WOODED

15" CPP

8" PVC

6" CPP

8"CMP (RECORD)

WOODED

4" CPP

4'CLF

CB#150
RIM=748.72
INV=744.47

WOODED

6" PERF. PVC PERIMETER
DRAIN (PD-1)
SEE DETAIL

DMH#244
RIM=763.15
INV IN(DMH#245)=758.50
INV IN(OCS#401)=760.00
INV OUT=758.40

UD-1

PATH

DMH#245
RIM=766.81
INV IN=760.50
INV OUT=760.40

15" CPP

12" CPP

CB
RIM=764.62'
INV=760.2
B INV=760.3

4'CLF

12"CMP

OCS#401
RIM=762.27
INV OUT=760.79

300LF 12" PERF. CPP IN
CRUSHED STONE
BOTTOM OF STONE=760.29
INV PIPE=760.79

15" CPP

OCS#402
RIM=764.82
INV OUT=760.79

S FIELD

10"CMP

SHEET REF. NO. C9.0

DRAWING NUMBER: ADD-2 / C-014

DRAWING NAME: Site Drainage Plan Sketch

DATE: 09/11/18

SCALE: 1"=20'

PROJECT TITLE:

EARLY SITE BID PACKAGE #2

South High Community School

170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:

Worcester Public Schools

City of Worcester
Massachusetts, 01605

LAVOIE/FINA PAGANO ASSOCIATES, ARCHITECTS
108 GROVE STREET, SUITE 300
WORCESTER, MASSACHUSETTS 01605

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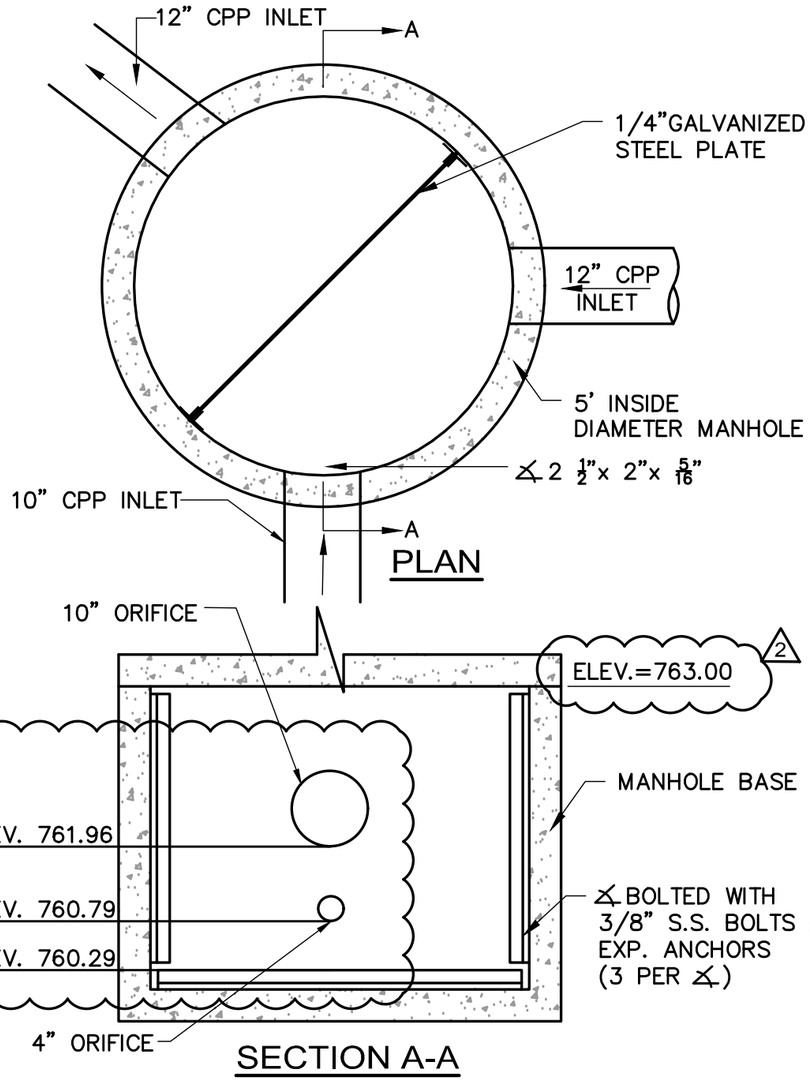
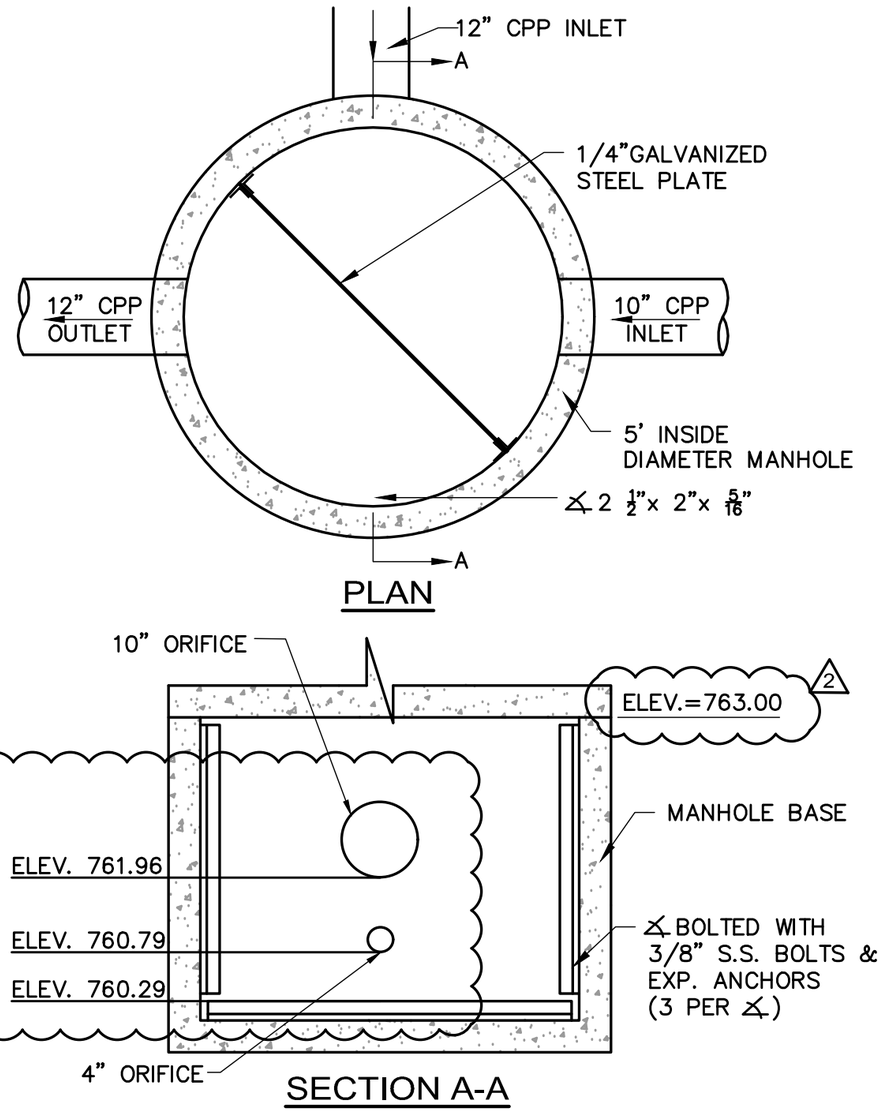


OUTLET CONTROL STRUCTURE
OCS#400 (RAIN GARDEN #1)

NOT TO SCALE



OUTLET CONTROL STRUCTURE
OCS#401 (RAIN GARDEN #2)

NOT TO SCALE

SHEET REF. NO. C11.2

DRAWING NUMBER: ADD-2 / C-015

DRAWING NAME: Civil Detail Sketch

DATE: 09/11/18

SCALE: As Noted

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS
108 GROVE STREET, SUITE 380
WORCESTER, MASSACHUSETTS 01605
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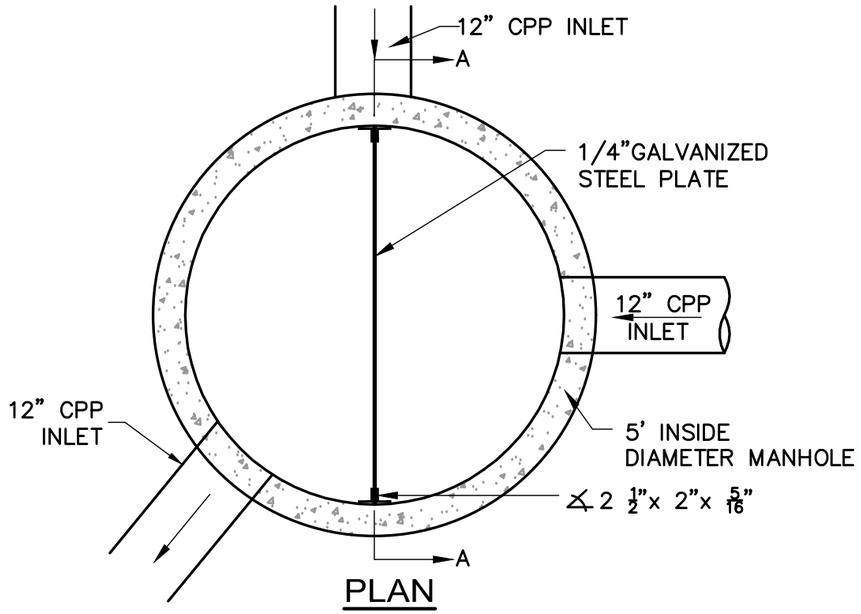
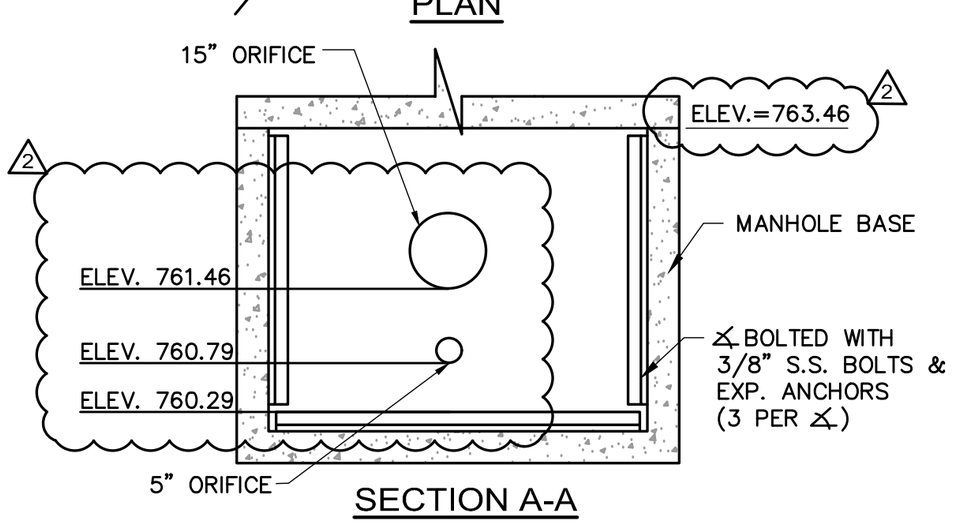


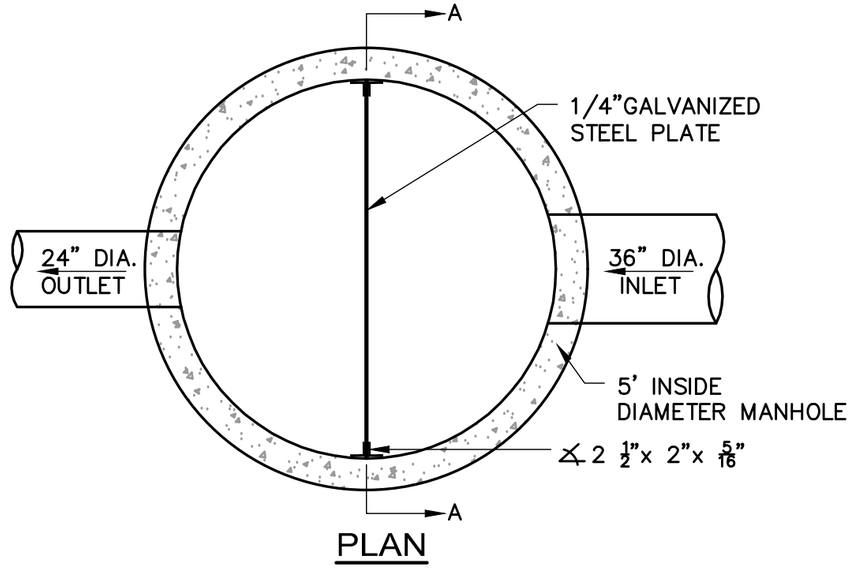
PLAN



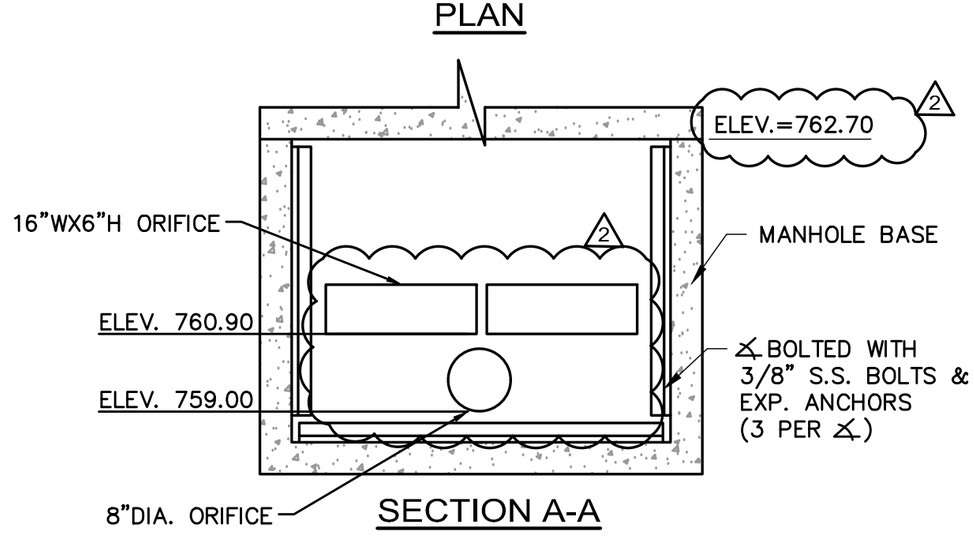
SECTION A-A

OUTLET CONTROL STRUCTURE
OCS#402 (RAIN GARDEN #3)

NOT TO SCALE



PLAN



SECTION A-A

OUTLET CONTROL STRUCTURE
OCS#403 (UNDERGROUND RECHARGE #1)

NOT TO SCALE

SHEET REF. NO. C11.2

DRAWING NUMBER: ADD-2 / C-016

DRAWING NAME: Civil Detail Sketch

DATE: 09/11/18

SCALE: As Noted

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
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LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS
100 GROVE STREET, SUITE 380
WORCESTER, MASSACHUSETTS 01605
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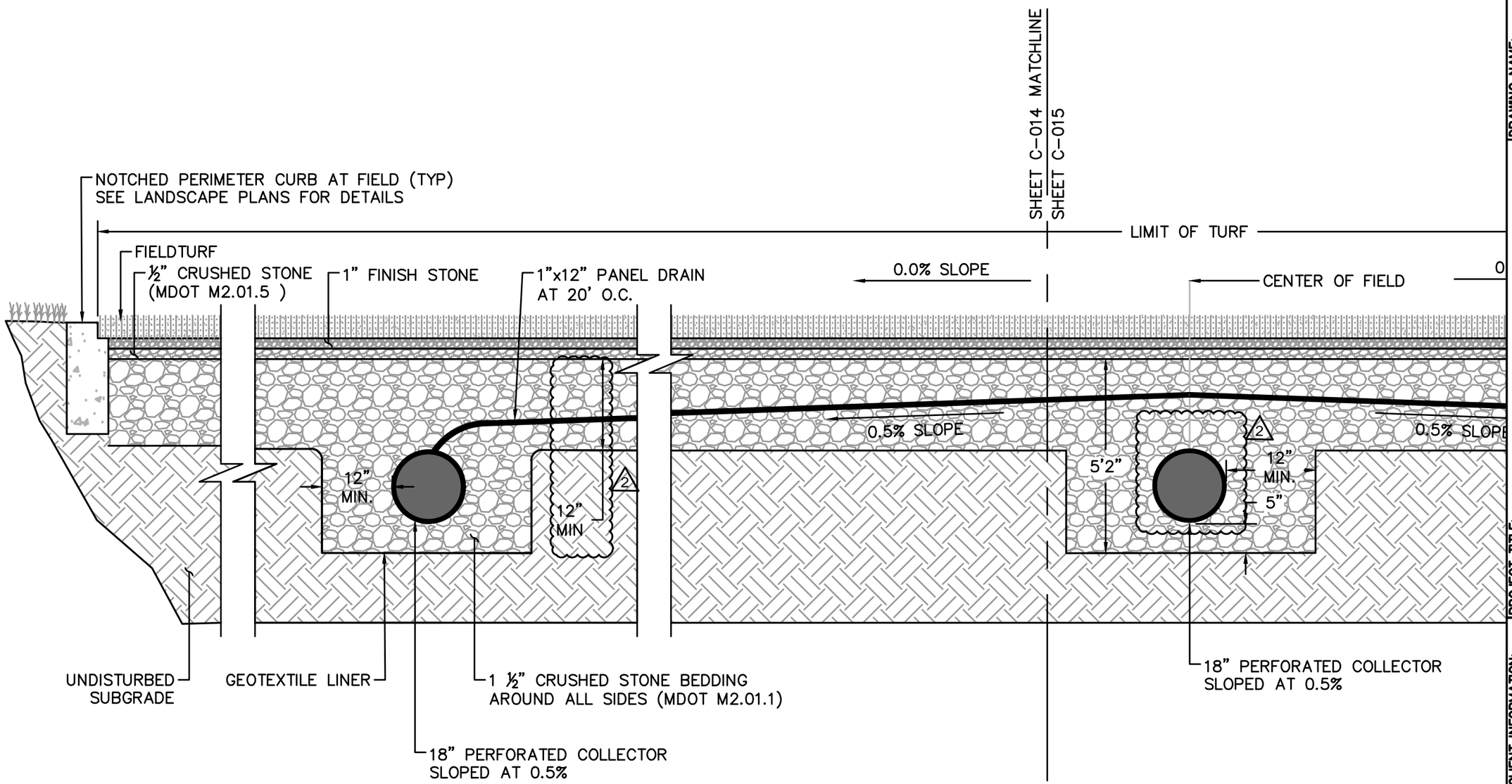


SYNTHETIC TURF FIELD SYSTEM DETAIL

NOT TO SCALE

SHEET REF. NO. C11.2

DRAWING NAME: Civil Detail Sketch

DRAWING NUMBER: ADD-2 / C-017

DATE: 09/11/18

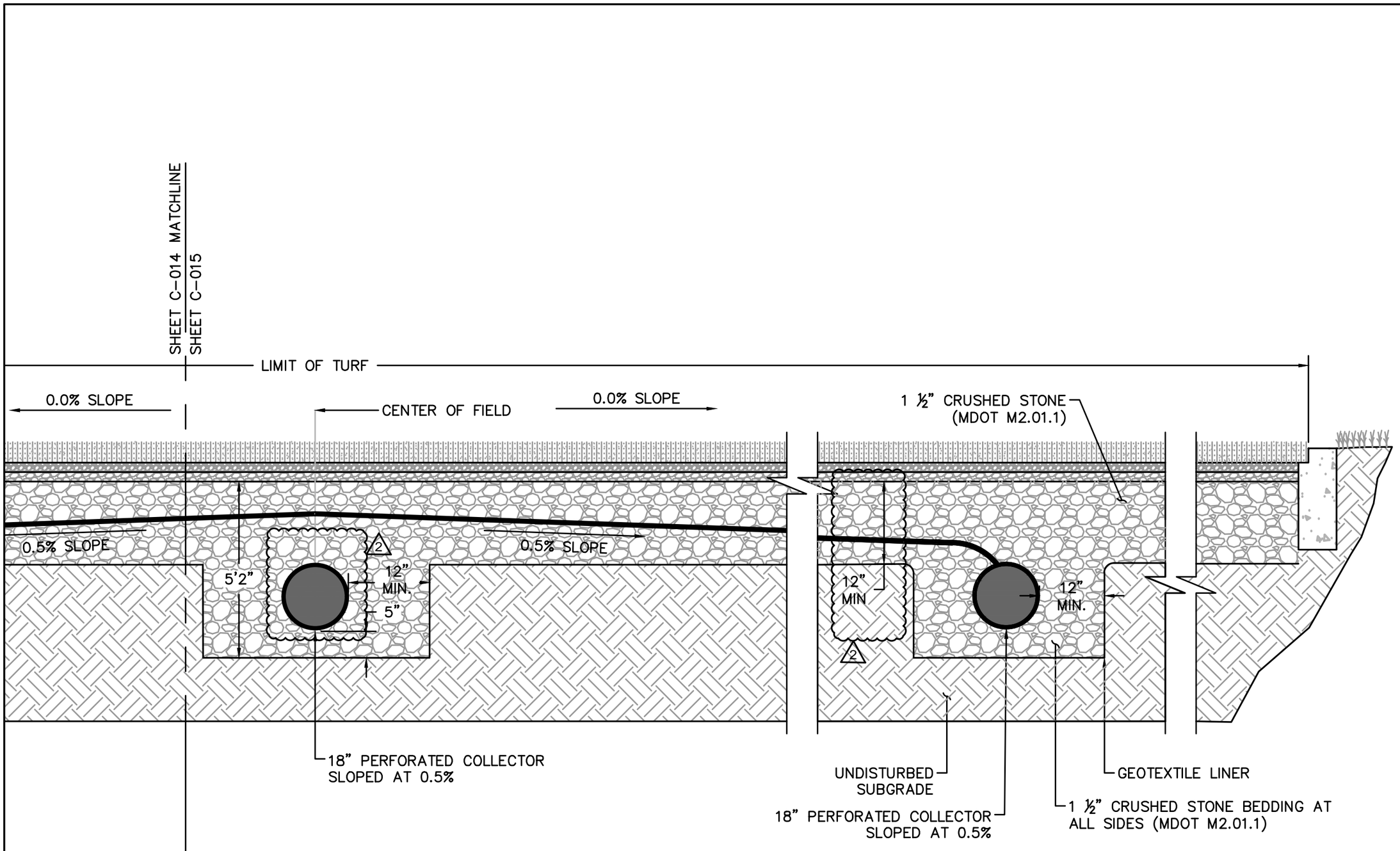
SCALE: As Noted

PROJECT TITLE: EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION: Worcester Public Schools

City of Worcester Massachusetts, 01605

LANDSCAPE ARCHITECTS, P.A.C.



SYNTHETIC TURF FIELD SYSTEM DETAIL

NOT TO SCALE

SHEET REF. NO. C11.2

DRAWING NAME: Civil Detail Sketch

DRAWING NUMBER: ADD-2 C-018

DATE: 09/11/18

SCALE: As Noted

PROJECT TITLE:

EARLY SITE BID PACKAGE #2

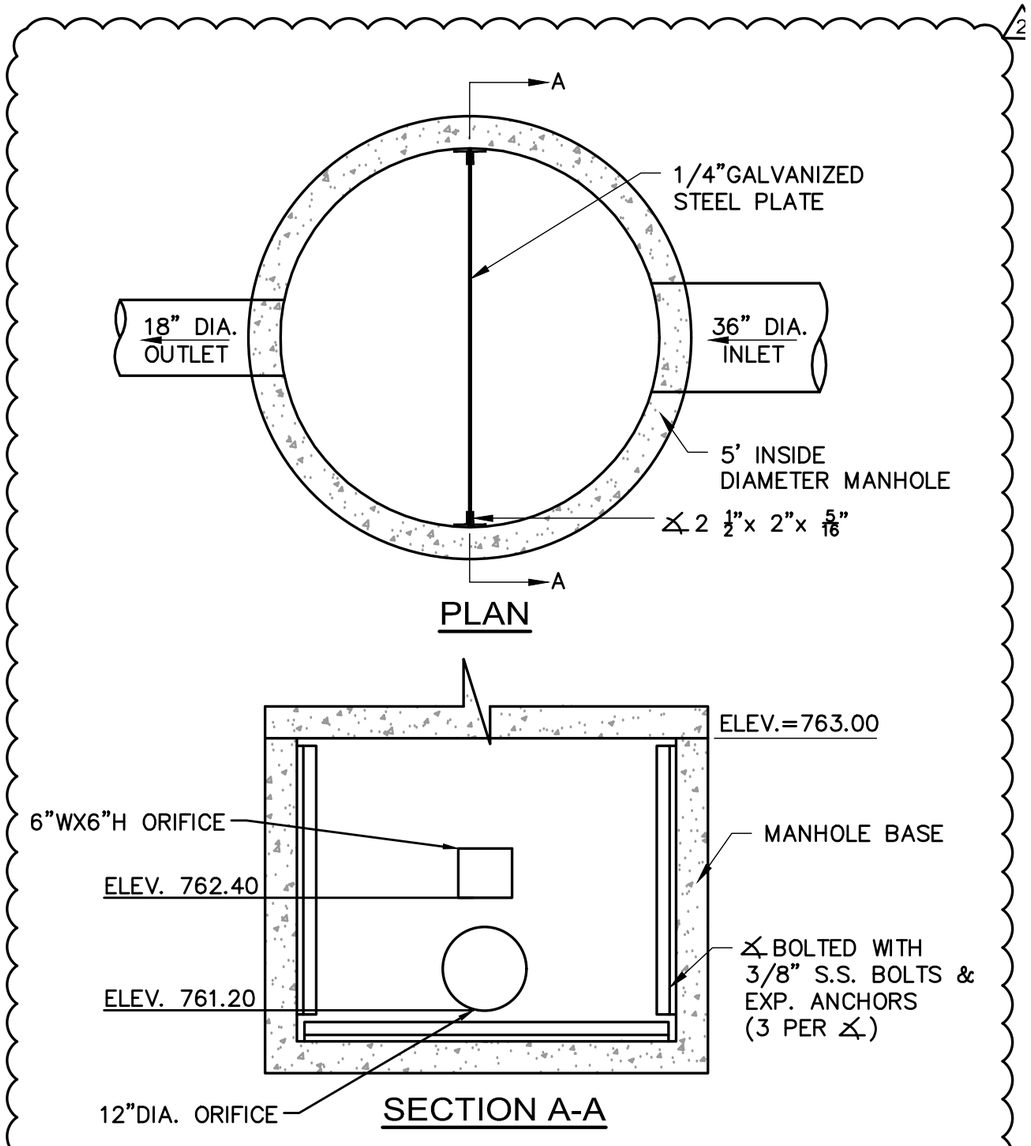
South High Community School

170 Apricot Street, Worcester, MA 01603

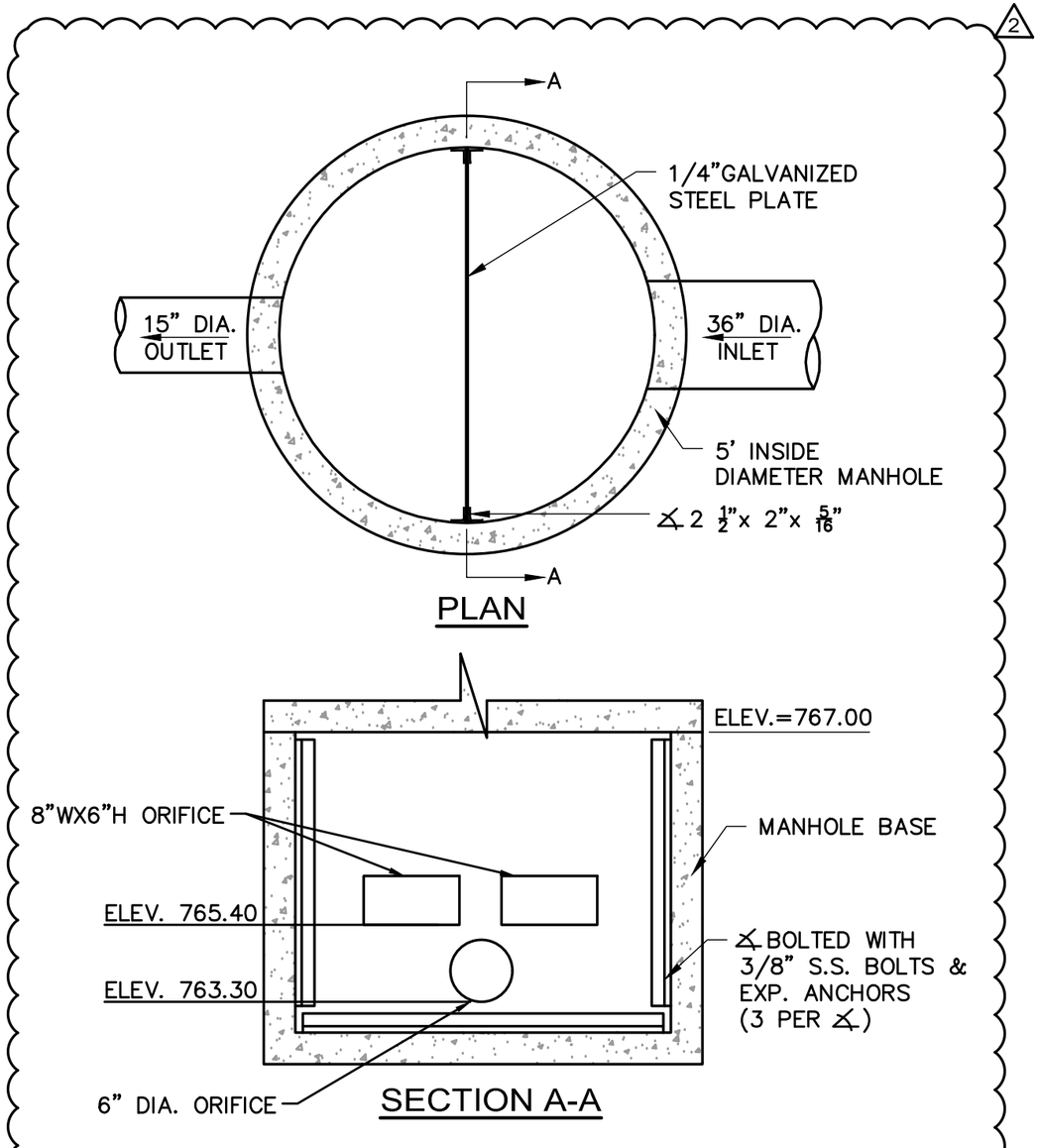
CLIENT INFORMATION:

Worcester Public Schools

City of Worcester
Massachusetts, 01605



OUTLET CONTROL STRUCTURE
OCS#404 (UNDERGROUND RECHARGE #3)
NOT TO SCALE



OUTLET CONTROL STRUCTURE
OCS#405 (UNDERGROUND RECHARGE #4)
NOT TO SCALE

SHEET REF. NO. C11.2

DRAWING NAME: Civil Detail Sketch

DRAWING NUMBER: ADD-2 / C-019

DATE: 09/11/18

SCALE: As Noted

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
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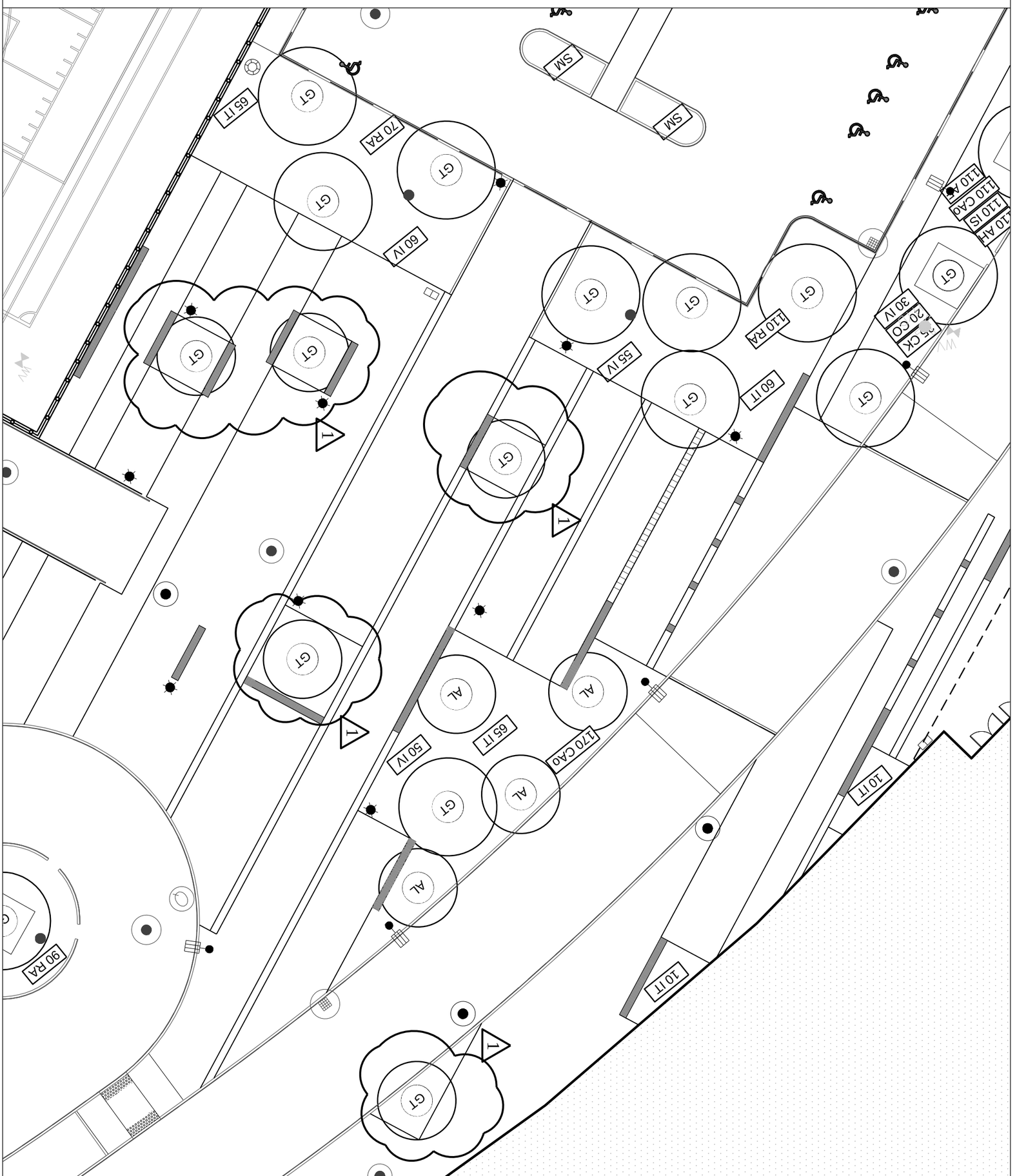
Massachusetts, 01605

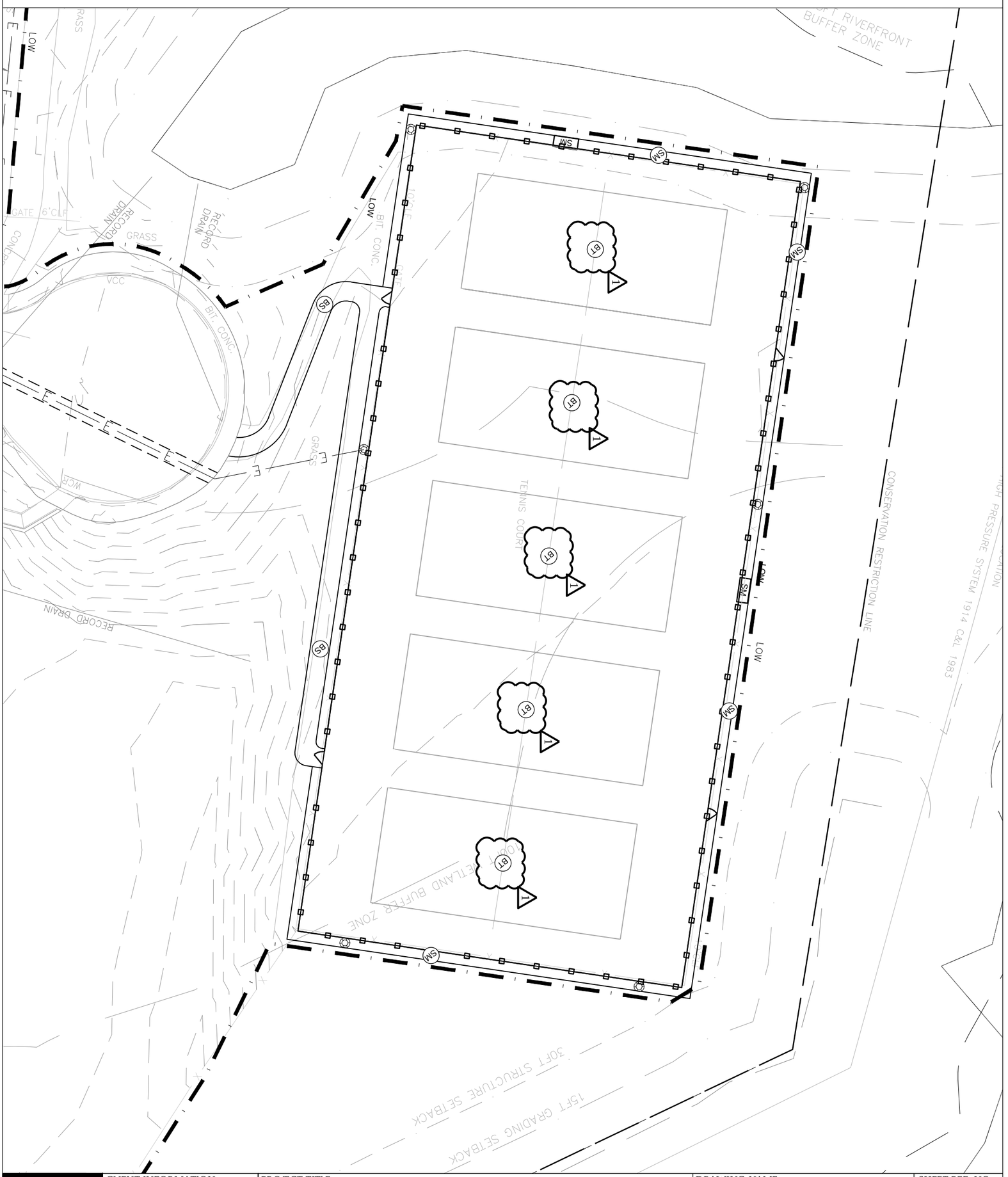
LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS
108 GROVE STREET, SUITE 300
WORCESTER, MASSACHUSETTS 01605
MEMBER OF THE AMERICAN INSTITUTE OF ARCHITECTS

1 Five (5) trees changed from AL to GT



LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS 100 GROVE STREET, SUITE 300 WORCESTER, MASSACHUSETTS 01605 MEMBER OF THE AMERICAN INSTITUTE OF ARCHITECTS	CLIENT INFORMATION: Worcester Public Schools City of Worcester Massachusetts, 01605	PROJECT TITLE: EARLY SITE BID PACKAGE #2 South High Community School 170 Apricot Street, Worcester, MA 01603	DRAWING NAME: Courtyard Trees DATE: September 10, 2018 SCALE: 1" = 20'-0"	SHEET REF. NO. L4.0, L4.1 L4.2 DRAWING NUMBER: ADD-2 L-001

1 Clarification that five (5) sets of tennis equipment should be provided as specified.



LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS
100 GROVE STREET, SUITE 300
WORCESTER, MASSACHUSETTS 01605
MEMBER OF THE AMERICAN INSTITUTE OF ARCHITECTS

CLIENT INFORMATION:
Worcester Public Schools

City of Worcester
Massachusetts, 01605

PROJECT TITLE:
EARLY SITE BID PACKAGE #2

South High Community School

170 Apricot Street, Worcester, MA 01603

DRAWING NAME: Tennis Equipment Callouts

SHEET REF. NO. L2.4

DATE: September 10, 2018

SCALE: 1" = 30'-0"

DRAWING NUMBER:
ADD-2
L-002

ADDENDUM No. 3 – September 19, 2018

GENERAL

This addendum modifies, amends, and supplements designated parts of the Contract Documents for the above project and is hereby made part thereof by reference and shall be as binding as though inserted in locations designated hereunder.

It shall be the responsibility of the bidders to notify all subcontractors and suppliers he proposes to use for the various parts of the work for any changes or modifications contained in this addendum. No claim for additional compensation because of lack of knowledge of the contents of this addendum will be considered.

As part of this Addendum #3, all bidders are hereby being notified that there is a bid package referred to as "Site Enabling Bid Package #1". All Site Enabling Bid Package #1 documents (drawings and specifications, and addendum) will be made available to all bidders by the Construction Manager (Fontaine Bros / W.T. Rich).

SPECIFICATIONS

1. DOCUMENT 03 45 01 – PRECAST ARCHITECTURAL CONCRETE - SITEWORK

Page 1, 1.1, A

Insert at end: "4. Architectural precast concrete steps.
5. Architectural precast concrete entrance sign."

2. SECTION 31 20 00 – EARTH MOVING

Page 14, 1.16, C

Delete Item "C" in its entirety

Insert: "C. Refer to Construction Manager's Scope of Work 31-3 Early Site Bid Package #2 Document for all unit costs."

Page 14, 1.16, E

Delete: Item "E" in its entirety

Insert: "E. Refer to Construction Manager's Scope of Work 31-3 Early Site Bid Package #2."

Page 6, 1.16

Insert: "F. All ordinary site earthen excavations are unclassified, refer to Construction Manager's Scope of Work 31-3 Early Site Bid Package #2.

All building excavation limits are to remove in its entirety; all fill materials placed as part of the original school's earthwork operations. Reference the published soils borings and test pits that indicate the strata change between fill and original soils for vertical excavation limits.

Horizontal limits shall extend beyond the proposed building footprint a distance equal to the distance between the bottom of the proposed footings and the natural soil or 5 feet, whichever is greater.

Building excavation limits at the solider pile retaining shall be to the inside face of the retaining and further defined in the Construction Manager's Scope of Work 31-3 Early Site Bid Package #2.

All fill within the building from the above noted excavations to the bottom of interior slab crushed stone base or as defined in the documents shall be structural fill."

Page 21, 2.1

Insert at end: "K. ½ inch Crushed Stone: ½ inch crushed stone shall meet the requirements of MassDOT M2.01.5. it shall consist of durable crushed rock or crushed gravel stone, free of ice, snow, sand, silt, clay, loam, shale, or other deleterious or organic matter. It shall be graded within the following limits:

U. S. Standard Sieve Size	Percent Finer by Weight
5/8 inch	100
½ inch	85-100
3/8 inch	15-45
No. 4	0-15
No. 8	0-5"

Page 38, 3.16

Insert at end: "I. Refer to the Document from Lord Associates dated 02/12/2018 published as Appendix D regarding the reuse of existing earthen material and required cover at areas. These requirements are limited to areas of increased exposure, and are defined as all areas inside of the interior curb around the building and sports field. Areas outside this ring the existing excavated materials can be used as backfill, subject to meeting grading and other requirements specified herein."

3. SECTION 32 80 00 – IRRIGATION SYSTEM

Page 4, 1.6

Insert: "C. Extended Maintenance Agreement: The Contractor shall provide an extended maintenance agreement to include all manufacturer-recommended services and maintenance related to annual fall winterization and spring startup of the irrigation system. The extended maintenance agreement shall extend for a period of three (3) years from the date of substantial completion and shall include all labor and materials required to perform the required maintenance service."

Page 9, 2.13, C

Delete in its entirety

Replace with: "C. Controller unit will be located in the boiler room adjacent to BFP. Refer to plumbing drawings. Type of mounting will be selected by the Architect."

DRAWINGS

1. ADDENDUM NO. 2

A. Delete sketch ADD-2/C-003; replace with ADD-3/C-003
B. Delete sketch ADD-2/C-004; replace with ADD-3/C-004
C. Delete sketch ADD-2/C-017; replace with ADD-3/C-017
D. Delete sketch ADD-2/C-018; replace with ADD-3/C-018

2. DRAWING C3.3 – Site Demolition Plan

A. Refer to sketch ADD-3/C-028

3. DRAWING C5.3 – Roadway Layout and Materials Plan

A. Refer to sketch ADD-3/C-027

4. DRAWING C7.0 and C7.1

A. Refer to sketch ADD-3/C-030

5. DRAWING C8.1 – Site Utility Plan

A. Refer to sketch ADD-3/C-031

6. DRAWING C8.3 – Site Utility Plan

B. Refer to sketch ADD-3/C-026

7. DRAWING C9.2 – Site Drainage Plan

A. Refer to sketch ADD-3/C-029

8. DRAWING C11.1 and C11.2

A. Refer to sketch ADD-3/C-020

9. DRAWING C11.3 – Civil Details

A. Refer to sketch ADD-3/C-021

10. DRAWING C11.3 – Civil Details

A. Refer to sketch ADD-3/C-022

11. DRAWING C11.4 – Civil Details

A. Refer to sketch ADD-3/C-023
B. GREASE TRAP- Add Note: "All piping complete from building to the grease trap tank, all piping on the interior of the grease trap, including the interior baffle and to 10 feet from the outfall shall be by the PSC. The vent back from the tank to the building in its entirety is by the PSC. Coordinate the inverts and cast in place boots as part of the tank submittal."
C. OIL/GAS SEPARATOR DETAIL- Add Note: "All piping complete from building to the oil/gas separator trap tank, all piping on the interior of the trap, and to 10 feet from the outfall shall be by the PSC. The vents back from the tank to the building in its entirety are by the PSC. Coordinate the inverts and cast in place boots as part of the tank submittal. Add minimum 3 courses of red sewer brick with cement parging from the precast tank top to grade."

12. DRAWING C11.5 – Civil Details

A. Refer to sketch ADD-3/C-024
B. Refer to sketch ADD-3/C-032

13. DRAWING C11.6 – Civil Details

A. Refer to sketch ADD-3/C-025

14. DRAWING L2.3, L2.4, L3.3, and L3.4

A. Refer to sketch ADD-3/L-003

15. DRAWING L2.9 – Irrigation Area

A. Refer to sketch ADD-3/L-005

16 . DRAWING L5.6 – Bleacher and Field Details

A. Refer to sketch ADD-3/L-004

ATTACHMENTS

DOCUMENTS:

1. Site Enabling Bid Package #1- Addendum #1, dated May 1, 2018
2. Field Observation Report No. 001 by Lahlaf Geotechnical Consulting, Inc., dated 7/11/18

SKETCHES:

CIVIL

1. ADD-3/C-003 Site Utility Plan Sketch
2. ADD-3/C-004 Site Utility Plan Sketch
3. ADD-3/C-017 Civil Detail Sketch
4. ADD-3/C-018 Civil Detail Sketch
5. ADD-3/C-020 Civil Detail Sketch
6. ADD-3/C-021 Civil Detail Sketch
7. ADD-3/C-022 Civil Detail Sketch
8. ADD-3/C-023 Civil Detail Sketch
9. ADD-3/C-024 Civil Detail Sketch
10. ADD-3/C-025 Civil Detail Sketch
11. ADD-3/C-026 Site Utility Plan Sketch
12. ADD-3/C-027 Roadway Layout and Materials Plan Sketch
13. ADD-3/C-028 Site Demolition Plan Sketch
14. ADD-3/C-029 Site Drainage Plan Sketch
15. ADD-3/C-030 Civil Grading Plan Sketch
16. ADD-3/C-031 Site Utility Plan Sketch
17. ADD-3/C-032 Civil Detail Sketch

LANDSCAPE

1. ADD-3/L-003 Courtyard Trees
2. ADD-3/L-004 Artificial Field Turf Detail
3. ADD-3/L-005 Irrigation Control Box Location

END OF ADDENDUM #3

S E-ADDENDUM No. 1 – May 1, 2018

GENERAL

This addendum modifies, amends, and supplements designated parts of the Contract Documents for the above project and is hereby made part thereof by reference and shall be as binding as though inserted in locations designated hereunder.

It shall be the responsibility of the bidders to notify all subcontractors and suppliers he proposes to use for the various parts of the work for any changes or modifications contained in this addendum. No claim for additional compensation because of lack of knowledge of the contents of this addendum will be considered.

PART 1 GENERAL

1. None

PART 2 SPECIFICATIONS

1. None

PART 3 DRAWINGS

1. Drawing EC3.0 Erosion and Sediment Control Plan has been revised based on Conservation Commission review comments, refer to the attached revised drawing.

PART 4 CM QUESTIONS AND RESPONSES

QUESTION # 1

A fencing sub would like to confirm that there are two rows of fencing along certain areas of the job. Referencing Sheet EC3.0, there appears to be a construction fence depicted with the erosion control barrier (ECB line type), around the perimeter of the site. However, there also appears to be other areas where additional fencing is called out, directly adjacent to the ECB. Could you try to clarify?

RESPONSE: Refer to the attached drawing EC3.0, revised as part of this Addendum.

QUESTION # 2

Please confirm what the limits are of the “Construction Access Road”? There are two details for asphalt paving, but only one shade on the L&M plan.

RESPONSE: All areas should be paved per the “Construction Access Road Hot Mix Asphalt Paving Detail” on EC-7.1.

QUESTION # 3

The retaining wall fencing that it will be permanent is called out, but the only details on the plans show construction fencing. Would this retaining wall fence be different in type and height?

RESPONSE: That fence will be 4 ft chain link and the details for it are in spec section 32 31 13. Details for the fence are also provided on EC7.1 in detail titled “Fence Connection Locations.”

QUESTION # 4

Is sheet EP1 "Electrical Temporary Lighting Pan" part of the site work scope for the site enabling bid? If so, please provide a spec for the temporary lighting. If not, will the site contractor be responsible to provide assistance to the electrical subcontractor i.e. excavate and backfill trenches and installing bases?

RESPONSE: The actual electrical work will not be by the site contractor but they will be providing assistance as noted. There is also a request in the scope to provide a unit price for temp light poles.

QUESTION # 5

Bid Alternate #2 in the subcontractor scope of work states "remove and salvage existing lighting." The site demolition plan shows to maintain and protect existing lighting. Please clarify.

RESPONSE: Alternate two is for the small parking area at the Sullivan school and the note only applies to the poles in that area (2 total). Poles that are currently operating will be protected and the poles that are inoperable will be removed and disposed of

QUESTION # 6

There are three different details depicting construction fence on the plans (EC7.0); Chain Link Construction Fence, Temporary Chain Link Construction Fence With Ballast Bases, and Perimeter Erosion Control Barrier-Super Silt Fence. All three have differing heights and construction parameters (top rail/tension wire). Could you please confirm the following regarding the fencing:

- Unless noted differently, all temp construction fencing should be 6' in height.
- Top and center rails are only required on the ballasted fencing; tension wires on all other types.
- Temporary fence shall conform to spec section 015000.2.1A.

RESPONSE: Yes, confirmed.

PART 5 ATTACHMENTS

DOCUMENTS:

None

SKETCHES:

None

DRAWINGS:

EC3.0 Erosion and Sediment Control Plan

END OF ADDENDUM #1

PROPOSED BUILDING

EXISTING SULLIVAN MIDDLE SCHOOL

EXISTING SOUTH HIGH COMMUNITY SCHOOL

100' WETLAND BUFFER ZONE
30' STRUCTURE SETBACK
15' GRADING SETBACK
EDGE OF BORDERING VEGETATED WETLAND

CONSERVATION RESTRICTION LINE

CONSTRUCTION FENCE FINAL LOCATION TO BE DETERMINED BY CONTRACTOR

EROSION CONTROL BARRIER

12' CONSTRUCTION GATE

24' SECONDARY/EMERGENCY CONSTRUCTION GATE

STABILIZED CONSTRUCTION ENTRANCE

INLET PROTECTION (TYP.)

BALLASTED CONSTRUCTION FENCE TO FACILITATE TEMPORARY PARKING CONSTRUCTION FINAL LOCATION TO BE DETERMINED BY CONTRACTOR

JERSEY BARRIER AND CONSTRUCTION FENCE FINAL LOCATION TO BE DETERMINED BY CONTRACTOR

24' CONSTRUCTION GATE

WORCESTER
LEICESTER

APRICOT STREET

NOTES:
1. REFER TO DRAWING EC1.0 FOR EROSION AND SEDIMENTATION NOTES, LEGEND, AND ABBREVIATIONS.

SCALE:
1" = 40'
40 20 0 40 80

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CONSULTANT

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100 Front Street, Suite 820
Worcester, MA 01608
T: (508) 363-1034
F: (617) 338-6472
- Civil Engineering
- Land Surveying
- Transportation Engineering
- Structural Engineering
- Environmental
- Water Resource Engineering
- GIS

OWNER

Worcester Public Schools

Worcester, MA

Project North

PROJECT

SITE ENABLING BID PACKAGE #1

South High Community School

170 Apricot Street, Worcester, MA 01603

TITLE

EROSION AND SEDIMENT CONTROL PLAN

Key Plan

REVISIONS

No.	Description	Date
1	Addendum #1	5/1/2018

FILE: 11677cec-Enabling

DWN. BY: ER | JOB NO: #1611

CKD. BY: JFG | SCALE: 1"=40'

DATE: April 12, 2018

EC3.0

Nitsch Project #11677

LGCI
Lahlaf Geotechnical Consulting, Inc.

FIELD OBSERVATION REPORT

No. 001

Client:	Lamoureux Pagano & Associates, Inc.	Location:	Worcester, MA
Project Name:	Proposed Worcester South High School	Contractor:	Fontaine Bros., Inc.
LGCI Project Number:	1644	Owner:	City of Worcester
Date:	7/11/2018	Weather:	90's /Sunny
LGCI Representative:	Abdelmadjid M. Lahlaf	Present at the site:	Leo Parker – Lamoureux Pagano Associates (LPA) David Fontaine / Fontaine Bros., Inc. (Fontaine) Stephen Sanderson / Fontaine Bros., Inc. (Fontaine) James Blume / Fontaine Bros., Inc. (Fontaine) Mark Lydon / Heery Project Management (OPM) Marwan Abi Elias / Heery Project Management (OPM) Amy Chagnon / T & M Equipment Corp. (site contractor) Joe Rosati / T & M Equipment Corp. (site contractor) Fran Dean / T & M Equipment Corp. (site contractor)
Field Contact	Marwan Abi Elias (OPM)		

Arrived at:	9:00 AM	Field Time Including Travel:	4.8 hours	Mileage:	120 miles

Purpose - The purpose for today's site visit is to observe test pits at the site to further explore the depth and extent of the existing fill. The test pits were excavated in the presence of representatives of LPA, Fontaine, Heery, and T & M.

Field Observations -

1. Five (5) test pits (TP-201 to TP-205) were excavated near the proposed building footprint as follow:

TP-201 near TP-7:
The excavation was advanced through a layer of 1.5 to 3.0 feet of fill overlying the natural silty sand with gravel which is consistent with TP-7 and with the site topography.

TP-202 near TP-6:
The excavation was advanced through a layer of 2 feet of top soil and fill on the western side and 3 feet of topsoil and fill on the eastern side overlying the natural silty sand, which is consistent with TP-7 and with the site topography.

TP-203 about 20 feet east of TP-111:
The excavation was advanced through a layer of 4.0 feet of fill overlying a layer of 1 foot of buried topsoil, overlying a layer of 5 feet of fill, i.e., about 10 feet of fill over the natural silty sand which is consistent with TP-111 and with the site topography.

TP-204 north of was TP-101-IT:
The excavation advanced through a layer of 6.0 feet of fill overlying a layer of 1 foot of buried topsoil, i.e., about 7 feet of fill overlying the natural silty sand which is consistent with TP-111 and site topography.

TP-205 west of TP-113:
The excavation advanced through a layer of 9.5 feet of organic fill over the natural sand which is consistent with TP-113 and site topography.

The test pits generally indicated subsurface conditions that were consistent with those described in our Geotechnical Report dated April 9, 2018.

Submitted to: Eric Moore / Lamoureux Pagano & Associates, Inc.
Copies to: Leo Parker / Lamoureux Pagano & Associates, Inc.
File

Submitted by:
Lahlaf Geotechnical Consulting, Inc.
100 Chelmsford Rd, Suite 2
Billerica, MA 01861

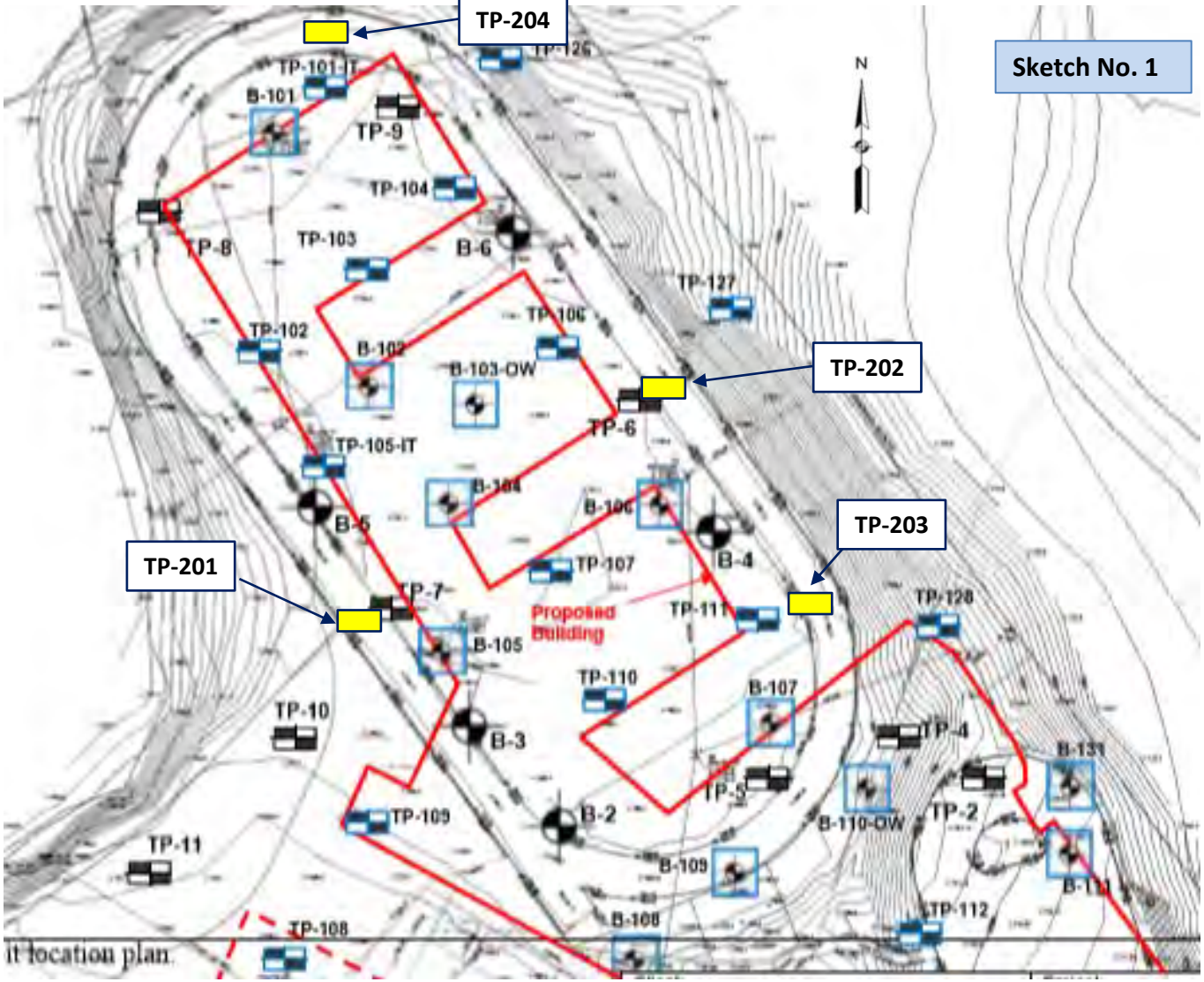
Photo No. 1: Test pit TP-201.

Photo No. 2: Test pit TP-202.

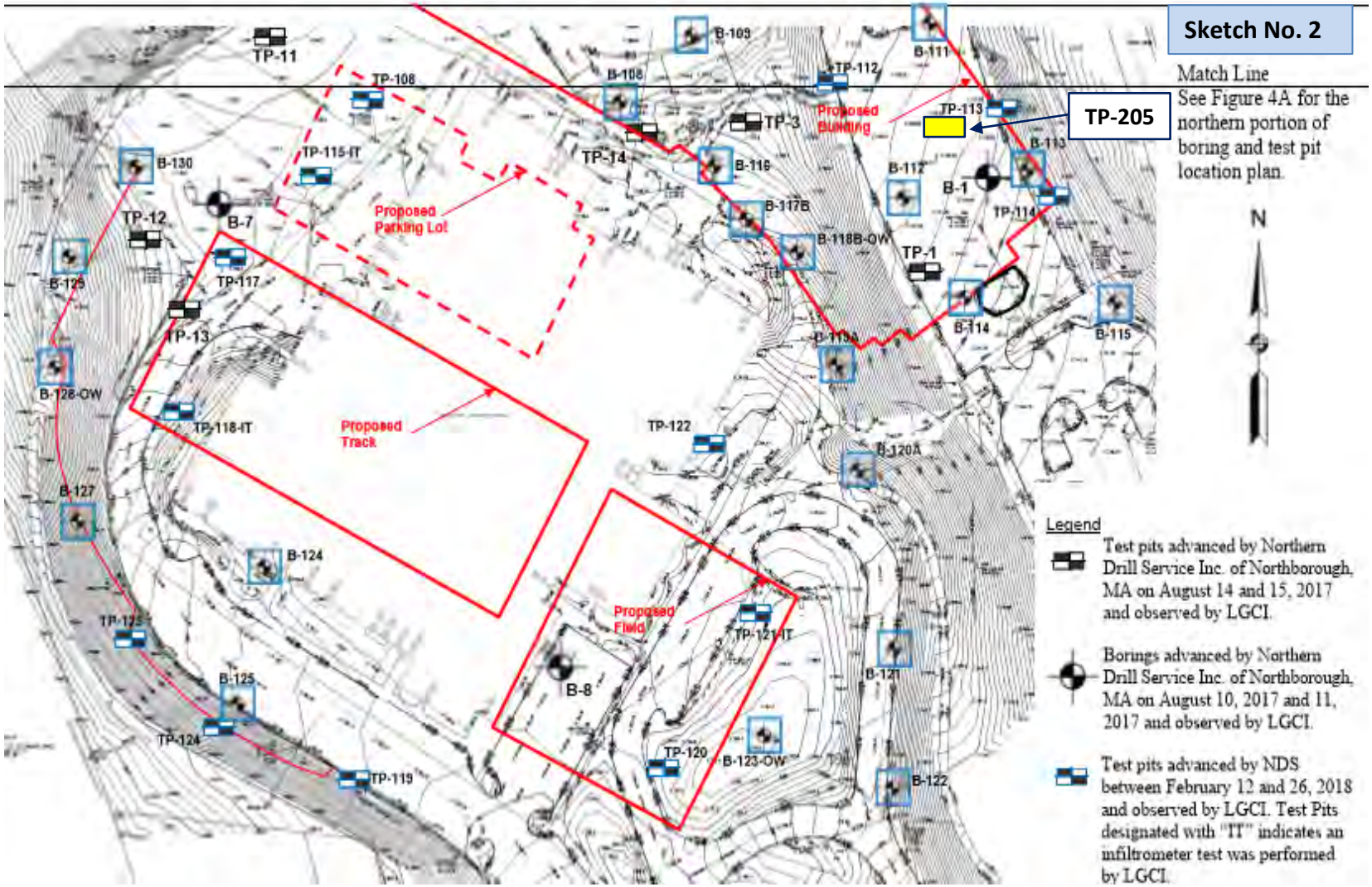
Photo No. 3: Test pit TP-203.

Photo No. 4: Test pit TP-204.

Photo No. 5: Test pit TP-205.



Sketch based on figure 4-A, titled: "Boring and Test Pit Location Plan (North), Proposed Worcester South High School, Worcester, MA" dated April 2018 and prepared by LGCI.



Sketch based on figure 4-A, titled: "Boring and Test Pit Location Plan (North), Proposed Worcester South High School, Worcester, MA" dated April 2018 and prepared by LGCI.

SS#1
INV=762.33

JUNCTION BOX

SS#2
INV=761.45

SMH#312
RIM=764.58
INV IN(SS#2)=761.10
INV IN(SS#3)=761.10
INV OUT=760.70

SS#3
INV=761.55

4" PVC

SS#4
INV=761.35

SMH#310
RIM=764.58
INV IN(SMH#311)=760.50
INV IN(SMH#312)=760.50
INV IN(GT)=760.50
INV OUT=760.40

SMH#311
RIM=766.32
INV IN=761.50
INV OUT=761.15

6" PVC

4" PVC

8" PVC

4" VENT

JUNCTION BOX

JUNCTION BOX

8" DI

6" DI

4" 8" PVC

12,000 GAL EXTERIOR GREASE TRAP
RIM=764.22
INV IN=760.90
INV OUT=760.70
SEE PLUMBING PLANS FOR DETAILS
PER PLUMBING CODE:
2,340 MEALS*5 GAL PER
MEAL=11,700 GAL REQUIRED (3)

SMH#309
RIM=766.95
INV IN=759.50
INV OUT=759.30

PROPOSED BUILDING

CB
RIM=764.73'
A I=759.9
B I=760.1

10"CMP

10" CLF

GATE

BITUMINOUS

MET POST

BUSHES

HYD

CHLINE

SCALE:
1" = 20'
20 10 0 20 40

DRAWING NAME: Site Utility Plan Sketch
SHEET REF. NO. C8.0
DRAWING NUMBER: ADD-3 / C-003
DATE: 09/17/18
SCALE: 1" = 20'

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

LAMOUREUX PAGANO ASSOCIATES ARCHITECTS
118 GROVE STREET, SUITE 300
WORCESTER, MASSACHUSETTS 01605

MEMBER OF THE AMERICAN INSTITUTE OF ARCHITECTS

PROPOSED BUILDING

SMH#306
DROP MANHOLE
RIM=767.43
INV IN(SMH#307)=755.85
INV IN(SMH#303 DROP CONNECTION– TOP)=763.00
INV IN(SMH#303 DROP CONNECTION– BOTTOM)=755.85
INV OUT=755.75

SMH#307
DROP MANHOLE
RIM=767.50
INV IN(SMH#308)=756.60
INV IN(SS#3 DROP CONNECTION– TOP)=762.50
INV IN(SS#3 DROP CONNECTION– BOTTOM)=756.60
INV OUT=756.50

3
SMH#308
RIM=767.52
INV IN=757.65
INV OUT=757.45

3
SS#5
INV=757.75

6" PVC
8" PVC
8" PVC
8" PVC

ASPHALT TRACK
CONC WALK
CONC WALLS
2' RAIL ON CONC STAIRS AND LANDING
LP BASE ONLY
PATH
BIT WALK
TREE LINE
GRASS
WOODED
BITUMINOUS
CONC
WOOD PLANTERS
CONCRETE STEPS
PLAYGROUND FURNITURE
MET BENCH
FD BOX
8"RCP
12"CMP
CB RIM=767.69' A I=763.4 B I=763.7
CB RIM=767.0

20"PINE
18"PINE
24"PINE
18"PINE
18"PINE
20"PINE
24"PINE
24"PINE
18"TWIN
30"PINE
4"PINE
4'CLF
15"PINE
2 TWIN

SCALE:
1" = 20'
20 10 0 20 40

SHEET REF. NO. C8.0
DRAWING NUMBER: ADD-3 / C-004
DRAWING NAME: Site Utility Plan Sketch
DATE: 09/17/18
SCALE: 1" = 20'

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

LAMOUREUX PAGANO ASSOCIATES ARCHITECTS
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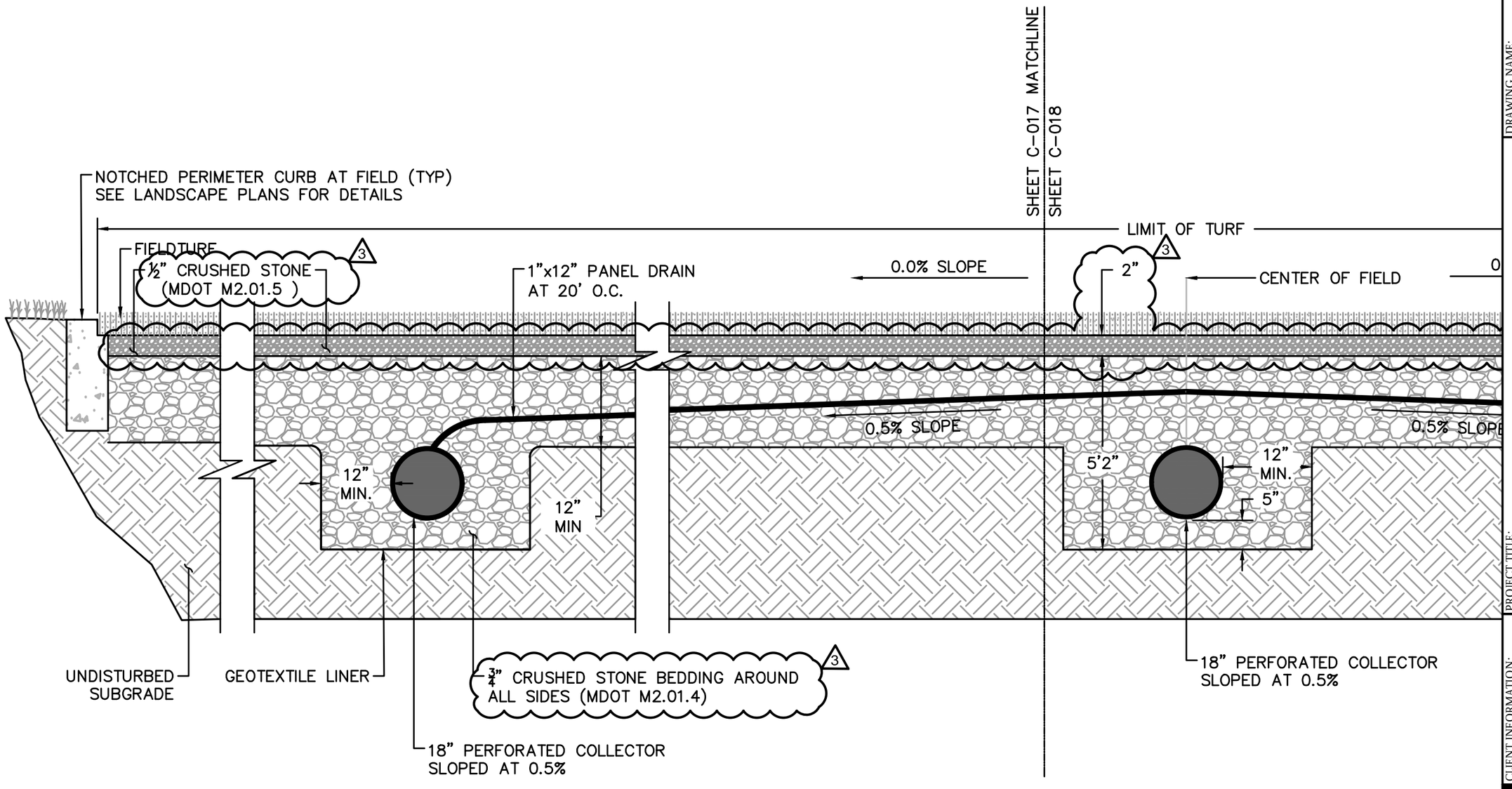

SYNTHETIC TURF FIELD SYSTEM DETAIL

NOT TO SCALE

SHEET REF. NO. C11.2

DRAWING NUMBER: ADD-3 / C-017

DRAWING NAME: Civil Detail Sketch

DATE: 09/17/18

SCALE: As Noted

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

LAMOUREUX PAGANO ASSOCIATES ARCHITECTS
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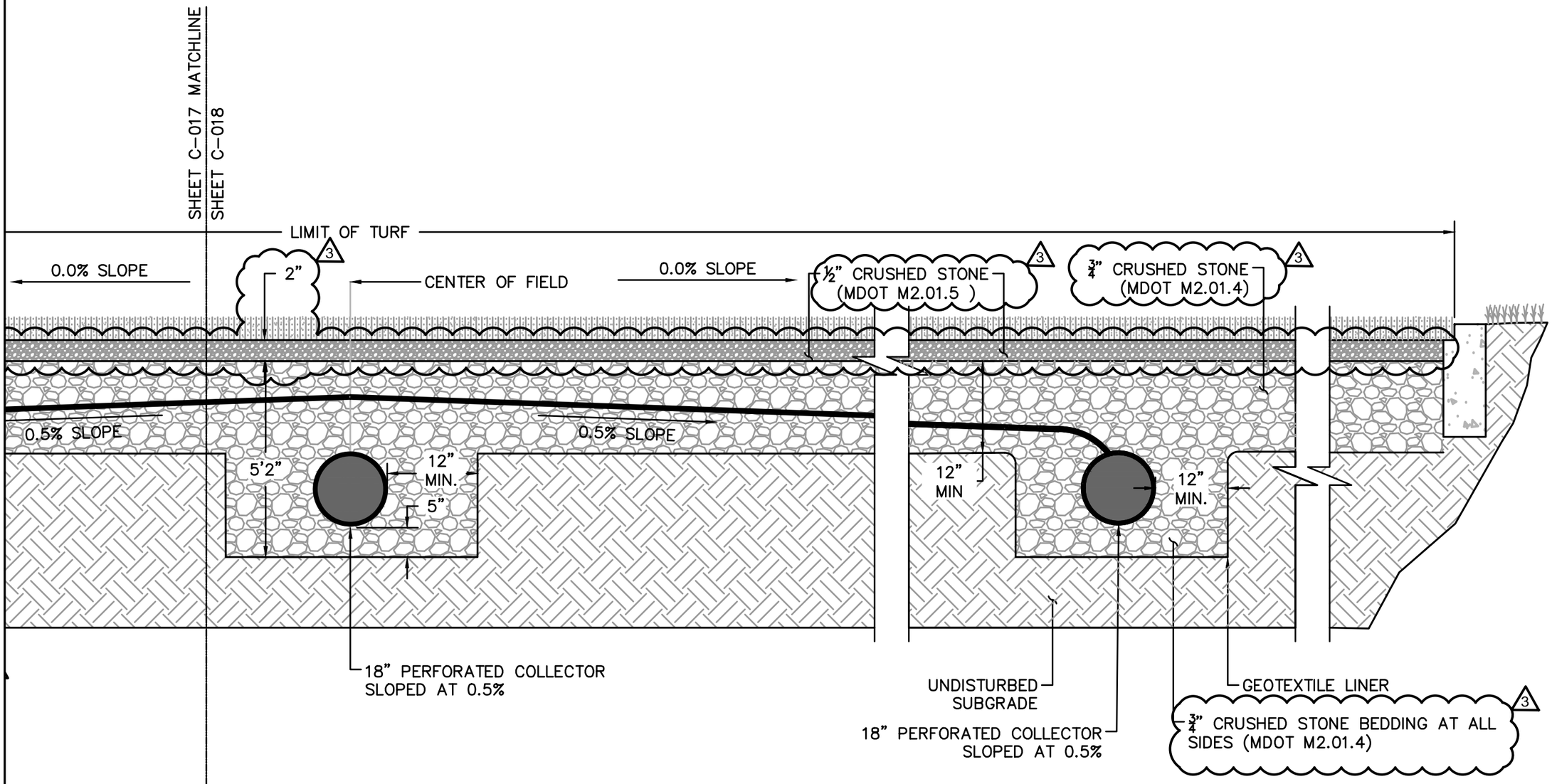

SYNTHETIC TURF FIELD SYSTEM DETAIL

NOT TO SCALE

DRAWING NAME: Civil Detail Sketch

SHEET REF. NO. C11.2

DRAWING NUMBER: ADD-3 / C-018

DATE: 09/17/18

SCALE: As Noted

PROJECT TITLE:

EARLY SITE BID PACKAGE #2

South High Community School

170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:

Worcester Public Schools

City of Worcester
Massachusetts, 01605

LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS
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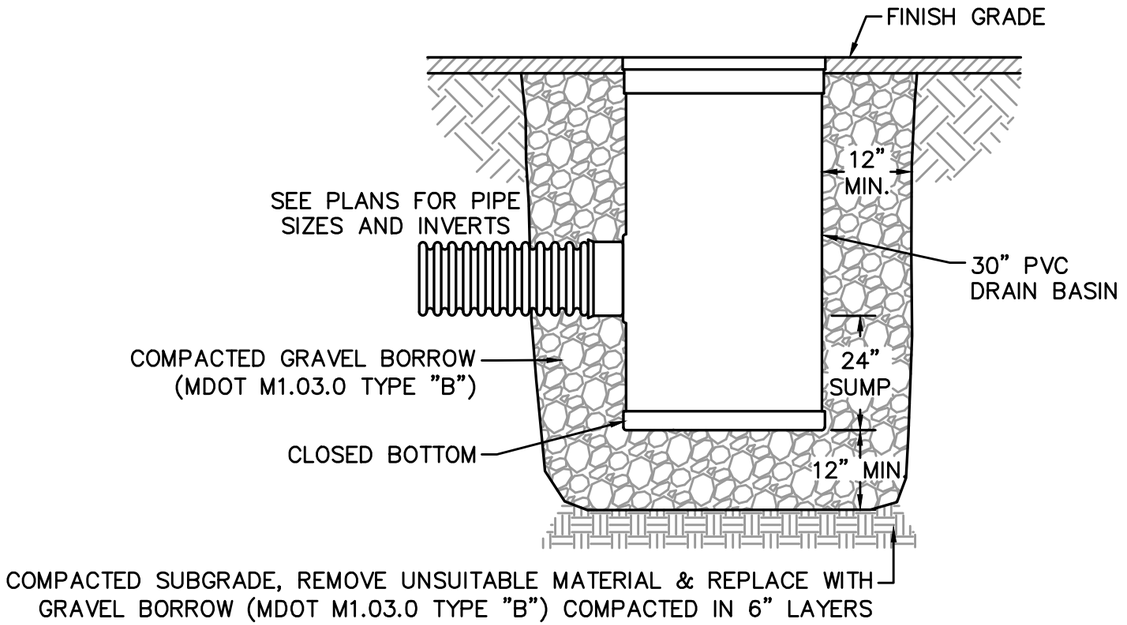
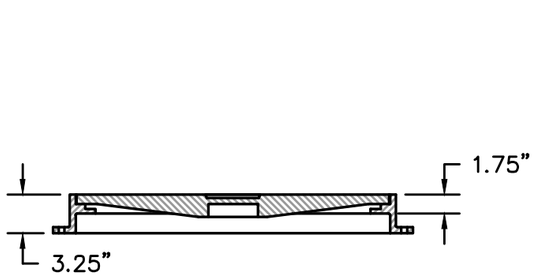
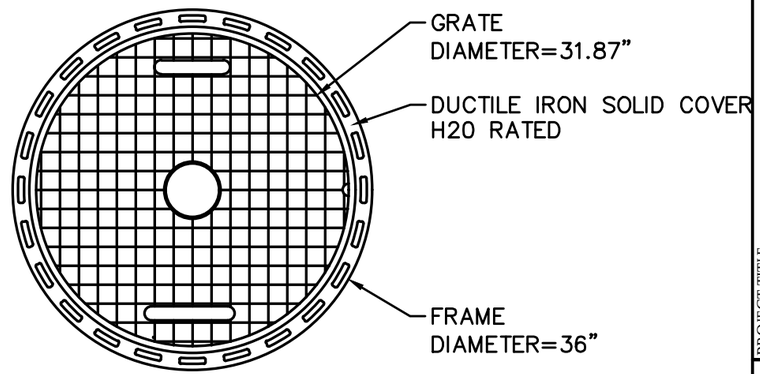
3

15-INCH ACCESS BASIN DETAIL REMOVED



SECTION VIEW





SOLID COVER

NOTES:

1. FRAME AND COVER SHALL BE DUCTILE IRON CONFORMING TO ASTM A536 GRADE 70-50-05.
2. 30" ACCESS BASINS SHALL BE NYLOPLAST MODEL 3099CGC AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS, INC., OR APPROVED EQUAL.
3. ACCESS BASINS SHALL BE CUSTOM MANUFACTURED ACCORDING TO THE PLANS AND DETAIL.
4. CASTINGS SHALL BE FURNISHED WITH A BLACK PAINT.
5. SEE PLANS FOR LAYOUT AND ELEVATIONS OF DRAIN PIPES TO ACCESS BASINS.

3

30" ACCESS BASIN DETAIL (AB#256, AB#257, & AB#266)

NOT TO SCALE

SHEET REF. NO. C11.1/C11.2

DRAWING NUMBER: ADD-3 C-020

DRAWING NAME: Civil Detail Sketch

DATE: 09/17/18

SCALE: NTS

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

LAMOUREUX PAGANO ASSOCIATES ARCHITECTS
100 GROVE STREET, SUITE 380
WORCESTER, MASSACHUSETTS 01605
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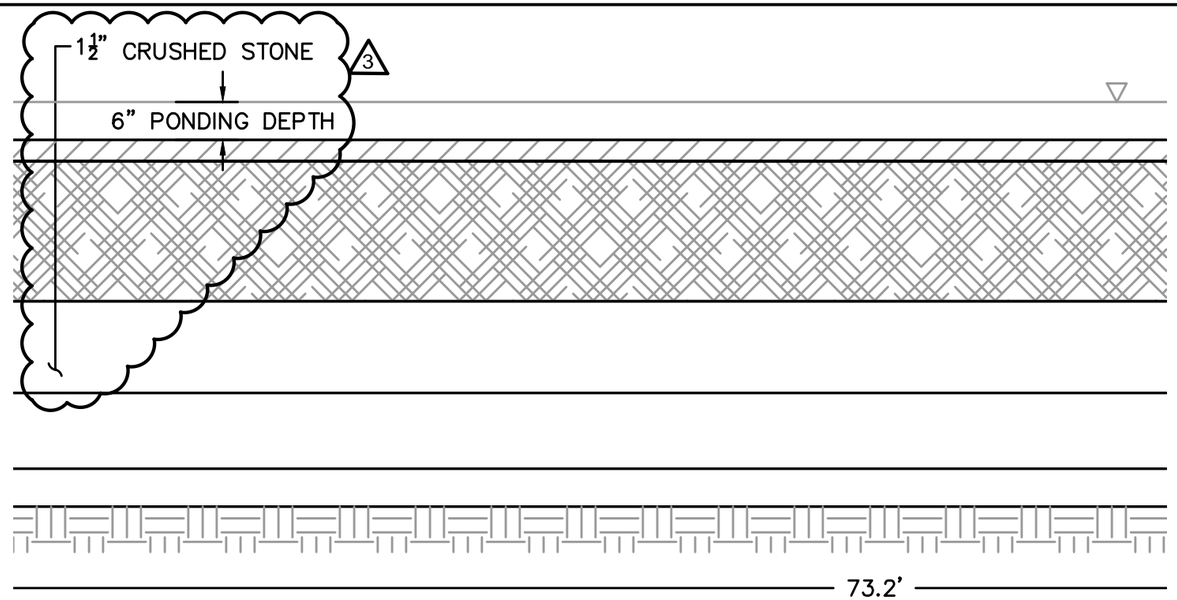
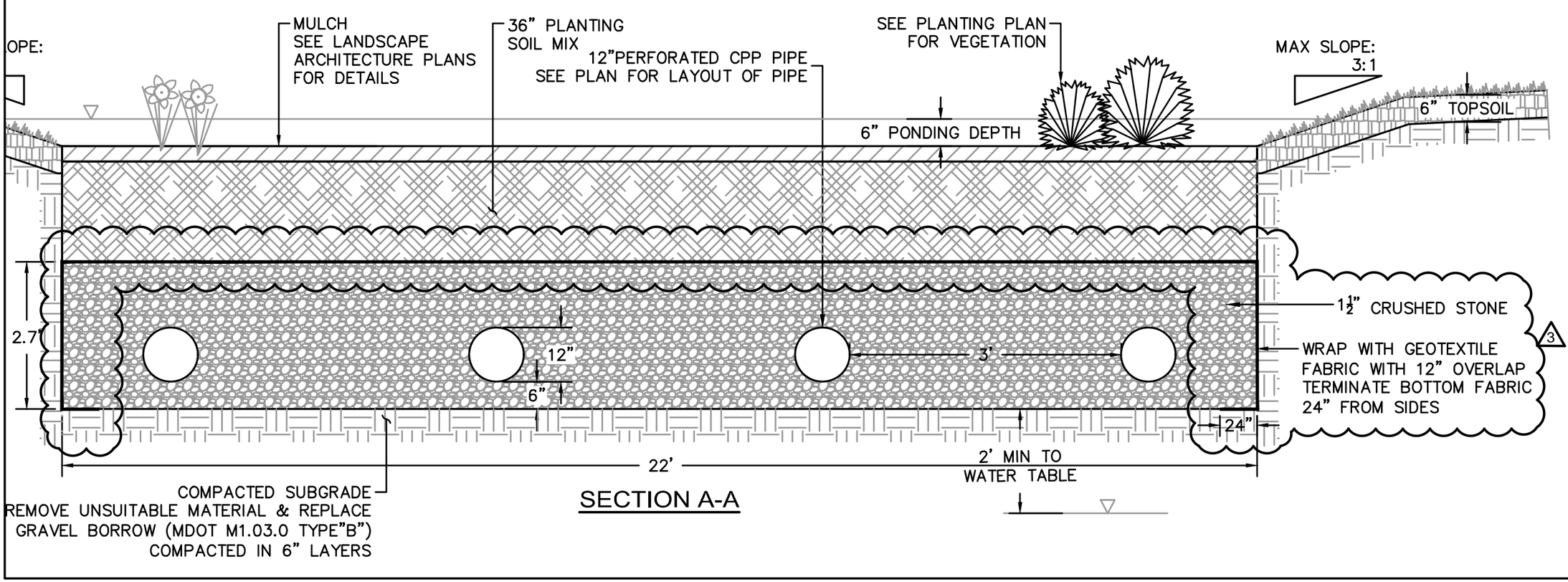


SECTION B-B
RAIN GARDEN #1 AND #2

NOT TO SCALE



SECTION A-A

SHEET REF. NO. C11.3

DRAWING NUMBER: ADD-3 C-021

DRAWING NAME: Civil Detail Sketch

DATE: 09/17/18

SCALE: NTS

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

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120 FRONT STREET, SUITE 300
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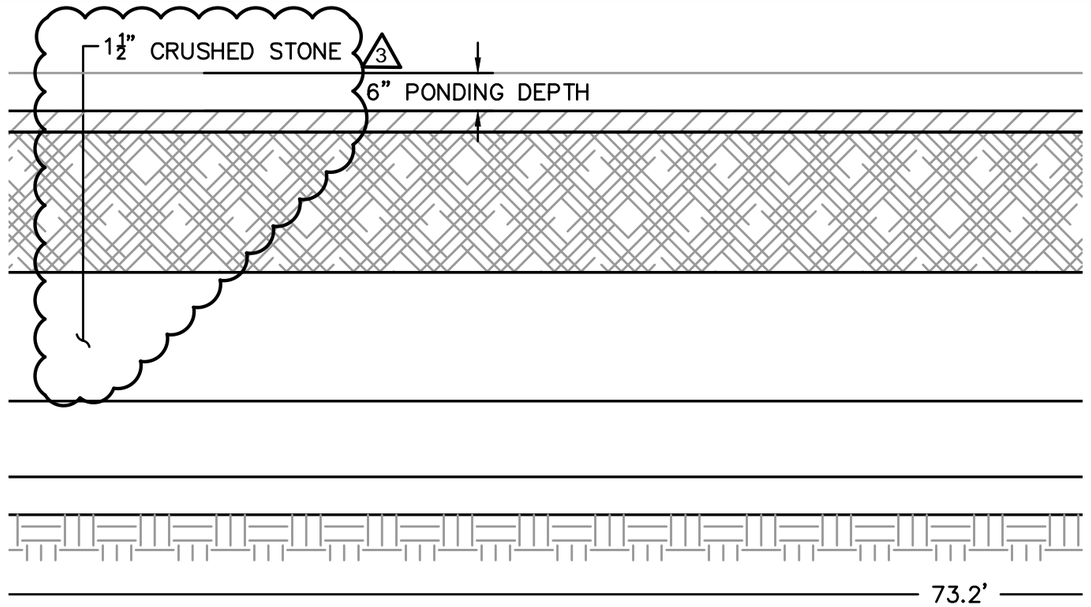
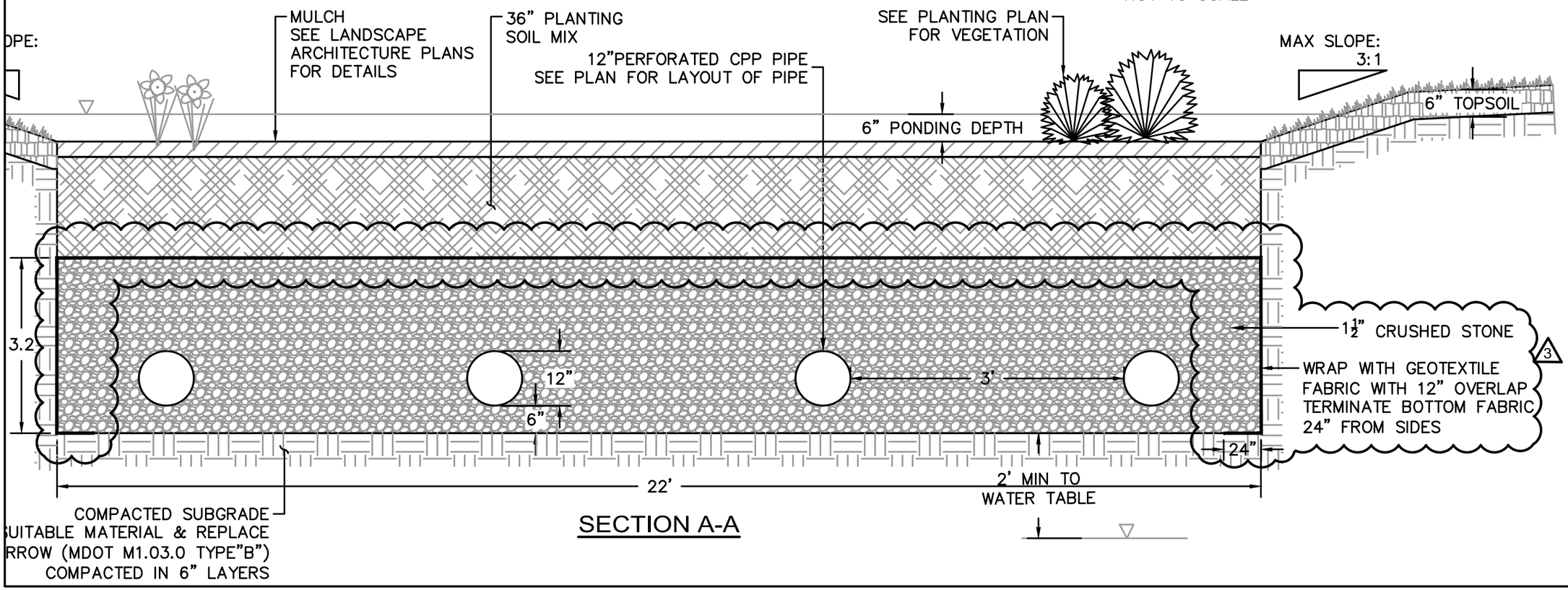


SECTION B-B
RAIN GARDEN #3

NOT TO SCALE



SECTION A-A

SHEET REF. NO. C11.3

DRAWING NUMBER: ADD-3 C-022

DRAWING NAME: Civil Detail Sketch

DATE: 09/17/18

SCALE: NTS

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

LAMOUREUX PAGANO ASSOCIATES ARCHITECTS
338 GROVE STREET, SUITE 300
WORCESTER, MASSACHUSETTS 01605
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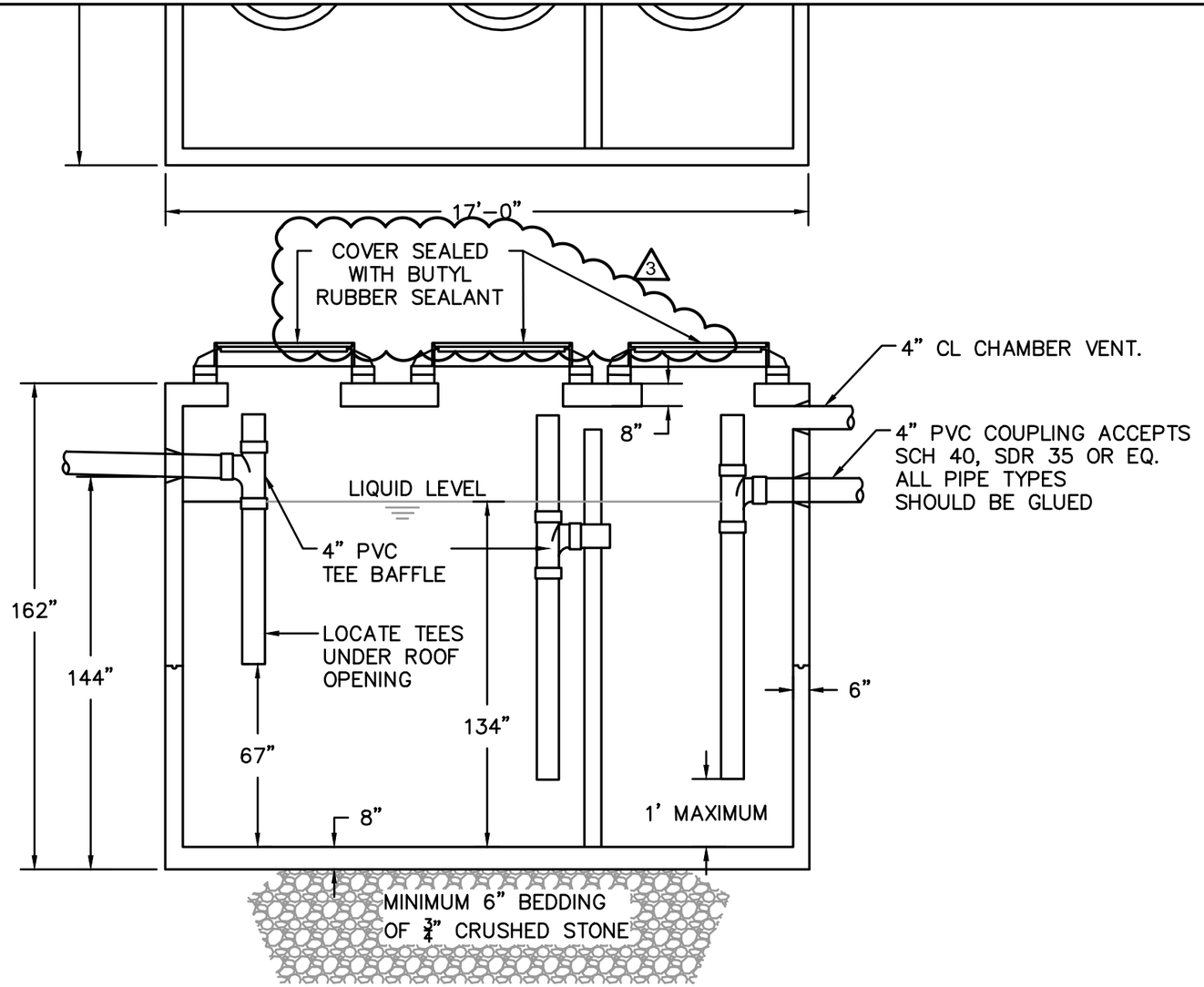

GENERAL NOTES:

CONCRETE SPECIFICATIONS:
1. 4000 PSI @ 28 DAYS
2. 4%–6% ENTRAINED AIR
3. TANK PENETRATIONS ARE INTEGRALLY CAST
4. ALL JOINTS SEALED WITH BUTYL RUBBER JOINT SEALANT

GREASE TRAP INFORMATION:
1. TANKS SHOULD BE PUMPED AS NEEDED
2. ACCESS COVERS SHOULD HAVE RISERS TO BRING COVER ACCESS TO GRADE

CHAMBER VENT INFORMATION:
1. THE REQUIRED CHAMBER VENT SHALL BE PIPES INTO BUILDING PER 248 CNR10.16.5(e)
2. THE VENT SHALL BE OF CAST IRON, AND HAVE A MINIMUM DIAMETER OF 4"

WORCESTER STANDARD 2 COMPARTMENT GREASE INTERCEPTOR (12,000 GALLON)

NOT TO SCALE

SHEET REF. NO. C11.4

DRAWING NUMBER: ADD-3 / C-023

DRAWING NAME: Civil Detail Sketch

DATE: 09/17/18

SCALE: NTS

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

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WORCESTER, MASSACHUSETTS 01605
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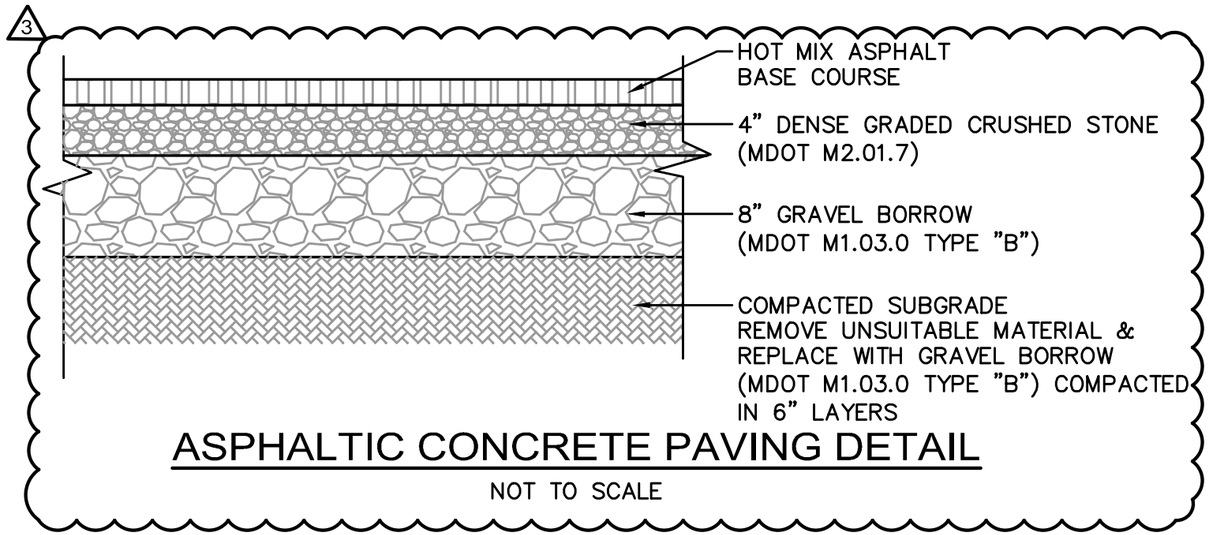
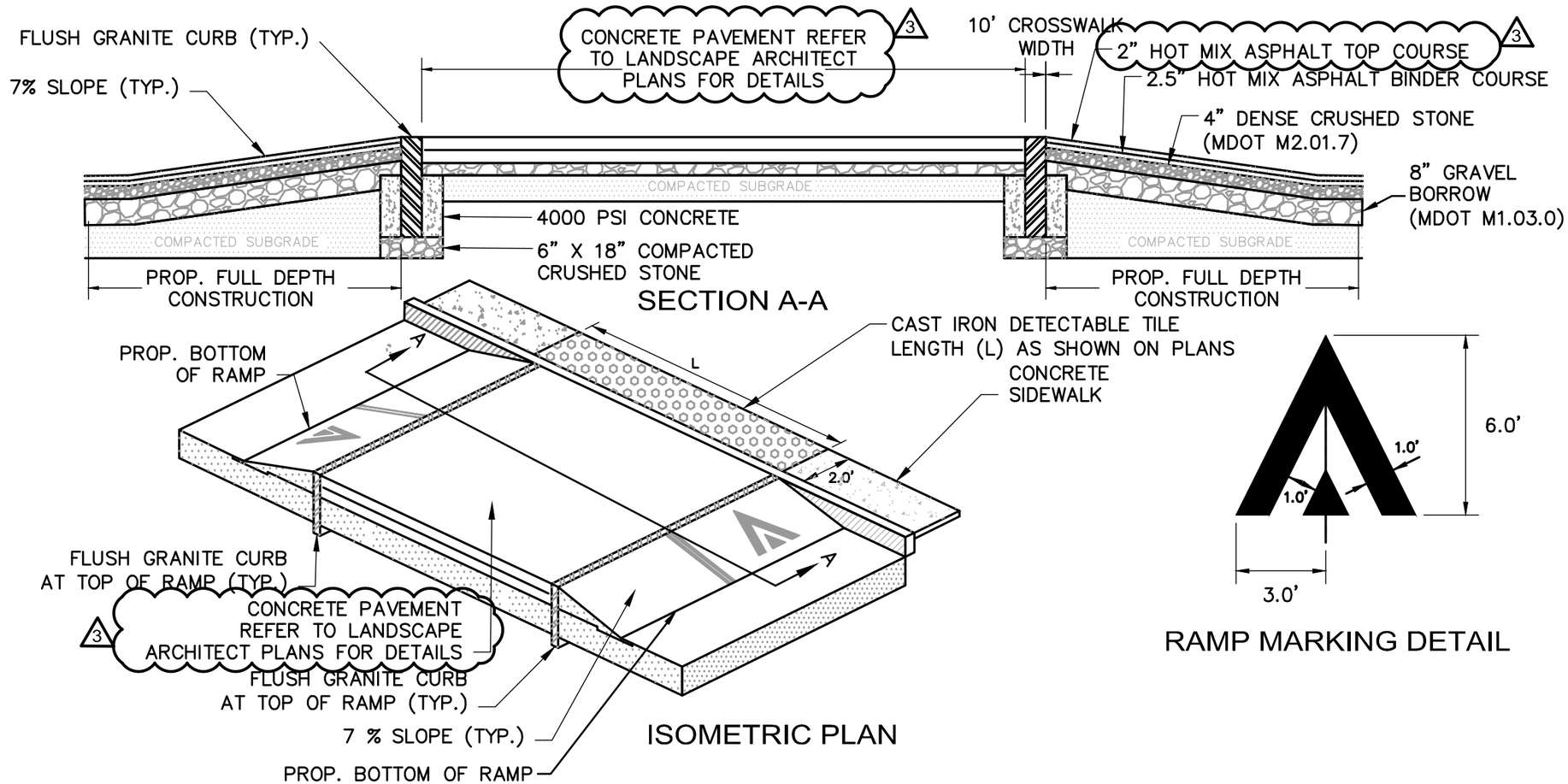


ASPHALTIC CONCRETE PAVING DETAIL

NOT TO SCALE



MID-BLOCK RAISED CROSSWALK DETAIL

NOT TO SCALE

SHEET REF. NO. C11.5

DRAWING NUMBER: ADD-3 / C-024

DRAWING NAME: Civil Detail Sketch

DATE: 09/17/18

SCALE: NTS

PROJECT TITLE:

EARLY SITE BID PACKAGE #2

South High Community School

170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:

Worcester Public Schools

City of Worcester
Massachusetts, 01605

LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS
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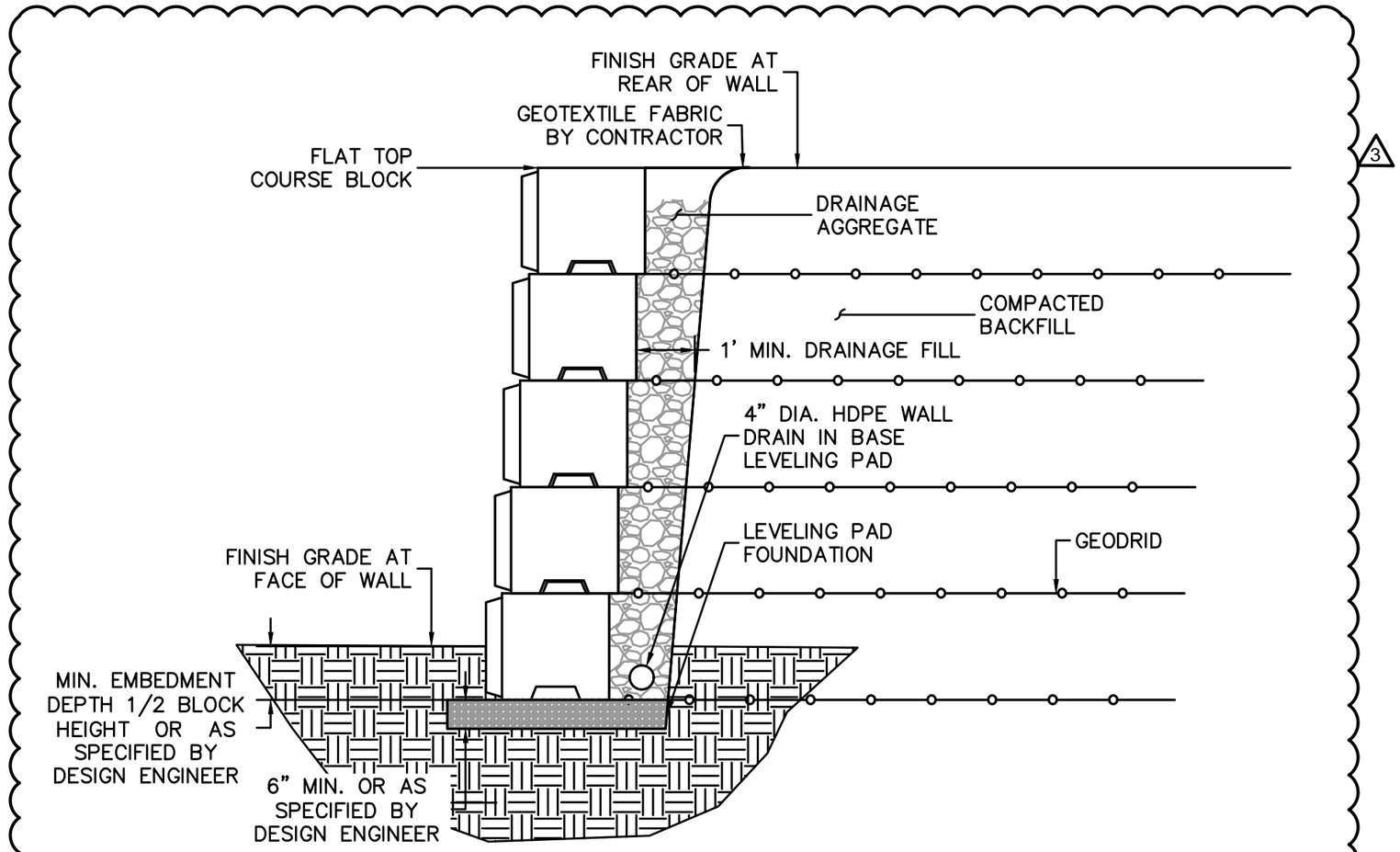
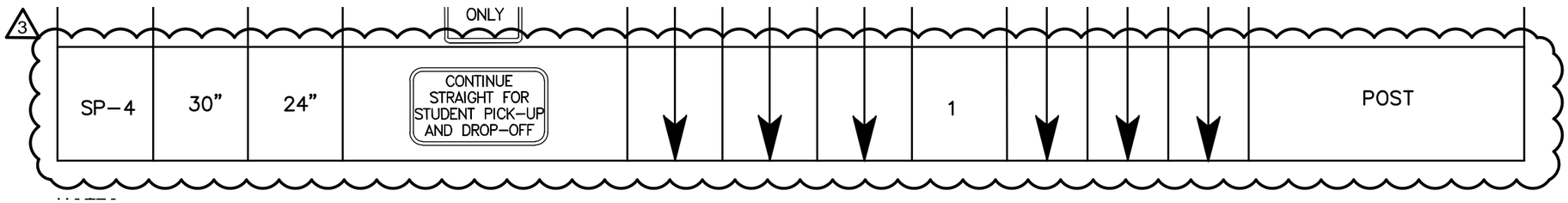


RETAINING WALL DETAIL

NOT TO SCALE



SHEET REF. NO. C11.6

DRAWING NUMBER: ADD-3 / C-025

DRAWING NAME: Civil Detail Sketch

DATE: 09/17/18

SCALE: NTS

PROJECT TITLE:

EARLY SITE BID PACKAGE #2

South High Community School

170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:

Worcester Public Schools

City of Worcester
Massachusetts, 01605

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108 GROVE STREET, SUITE 380
WORCESTER, MASSACHUSETTS 01605

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SWITCHBOX
SEE ELECTRICAL
PLANS FOR DETAILS

CATV HANDHOLE SEE
ELECTRICAL PLANS FOR
DETAILS

TELECOM HANDHOLE
SEE ELECTRICAL PLANS
FOR DETAILS

CONNECT TO EXISTING
2" GAS SERVICE

SCALE:
1" = 20'
20 10 0 20 40

DRAWING NAME: Site Utility Plan Sketch
SHEET REF. NO. C8.3
DATE: 09/17/18
SCALE: 1" = 20'
DRAWING NUMBER: ADD-3 / C-026

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

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WORCESTER, MASSACHUSETTS 01604
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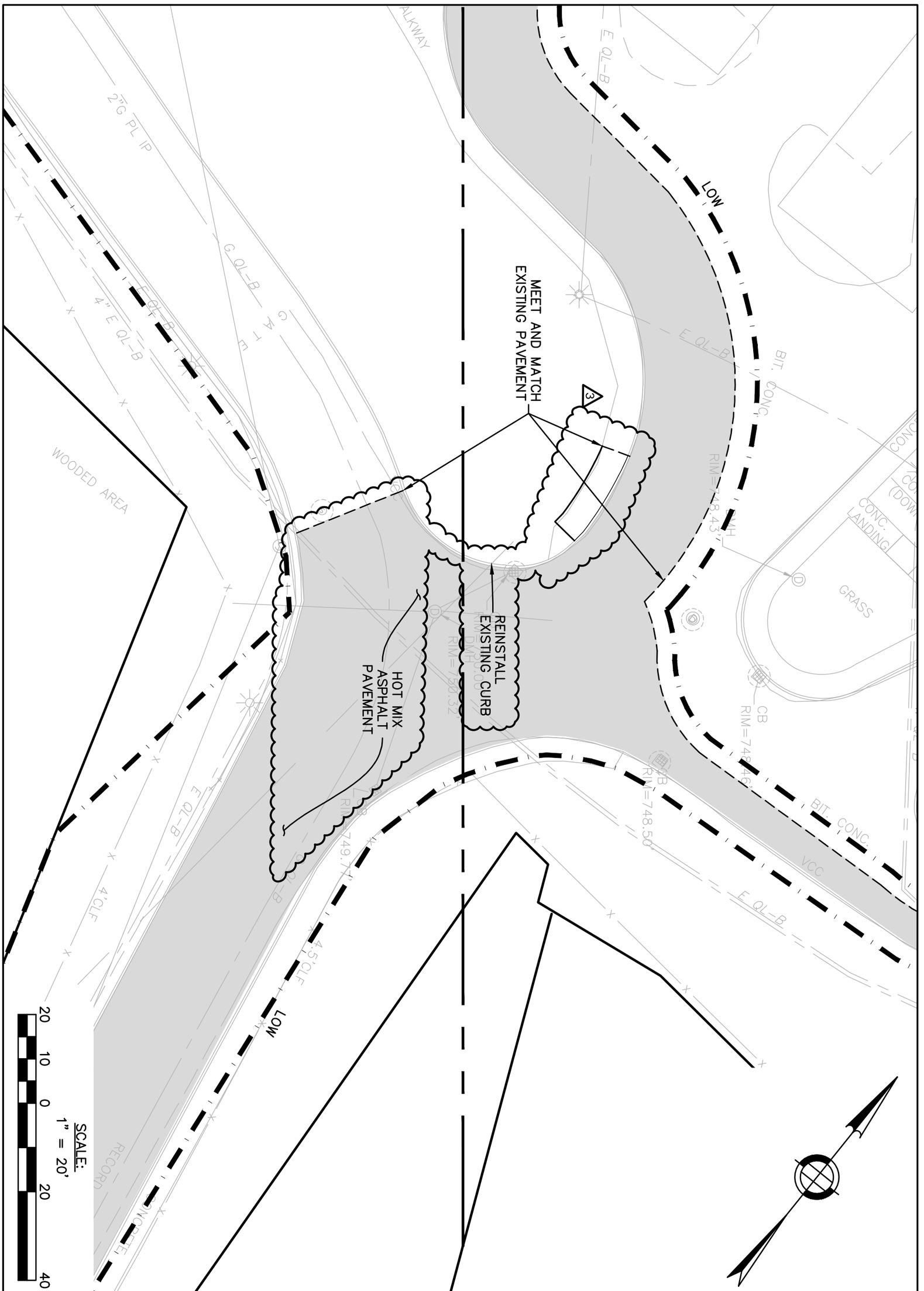

LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS 108 GROVE STREET, SUITE 300 WORCESTER, MASSACHUSETTS 01605 MEMBER OF THE AMERICAN INSTITUTE OF ARCHITECTS	CLIENT INFORMATION: Worcester Public Schools City of Worcester Massachusetts, 01605	PROJECT TITLE: EARLY SITE BID PACKAGE #2 South High Community School 170 Apricot Street, Worcester, MA 01603	DRAWING NAME: Roadway Layout and Materials Plan Sketch DATE: 09/17/18 SCALE: As Noted	SHEET REF. NO. C5.3 DRAWING NUMBER: ADD-3 C-027

SITE DEMOLITION NOTES:

1. SITE DEMOLITION, SITE LAYOUT, AND SITE UTILITY SYSTEMS ARE SHOWN FOR COMPLETE CONSTRUCTION PERIOD. REFER TO PROJECT PHASING PLAN FOR SEQUENCE OF SITE DEMOLITION AND CONSTRUCTION ELEMENTS, AND MATERIALS AND ACCESS MAINTENANCE/PROTECTION REQUIREMENTS DURING VARIOUS PROJECT PHASES
2. REFER TO ENABLING PHASE BID PACKAGE FOR COMPLETED WORK TO BE DEMOLISHED

SITE DEMOLITION LEGEND

REMOVE AND DISPOSE OF ASPHALT PAVEMENT, CURB, CONCRETE PAVEMENT, STAIRS, AND WALLS

REMOVE AND DISPOSE OF TREE

EXISTING UTILITY TO BE ABANDONED, REMOVED AND DISPOSED OF IF IN CONFLICT WITH NEW SITE IMPROVEMENTS, OR AS INDICATED ON DRAWINGS

SAWCUT

R&S CONCRETE CURB

SCALE:
1" = 20'
20 10 0 20 40

SHEET REF. NO. C3.3

DRAWING NUMBER: ADD-3 / C-028

DRAWING NAME: Site Demolition Plan Sketch

DATE: 09/17/18

SCALE: AS NOTED

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

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108 GROVE STREET, SUITE 305
WORCESTER, MASSACHUSETTS 01605

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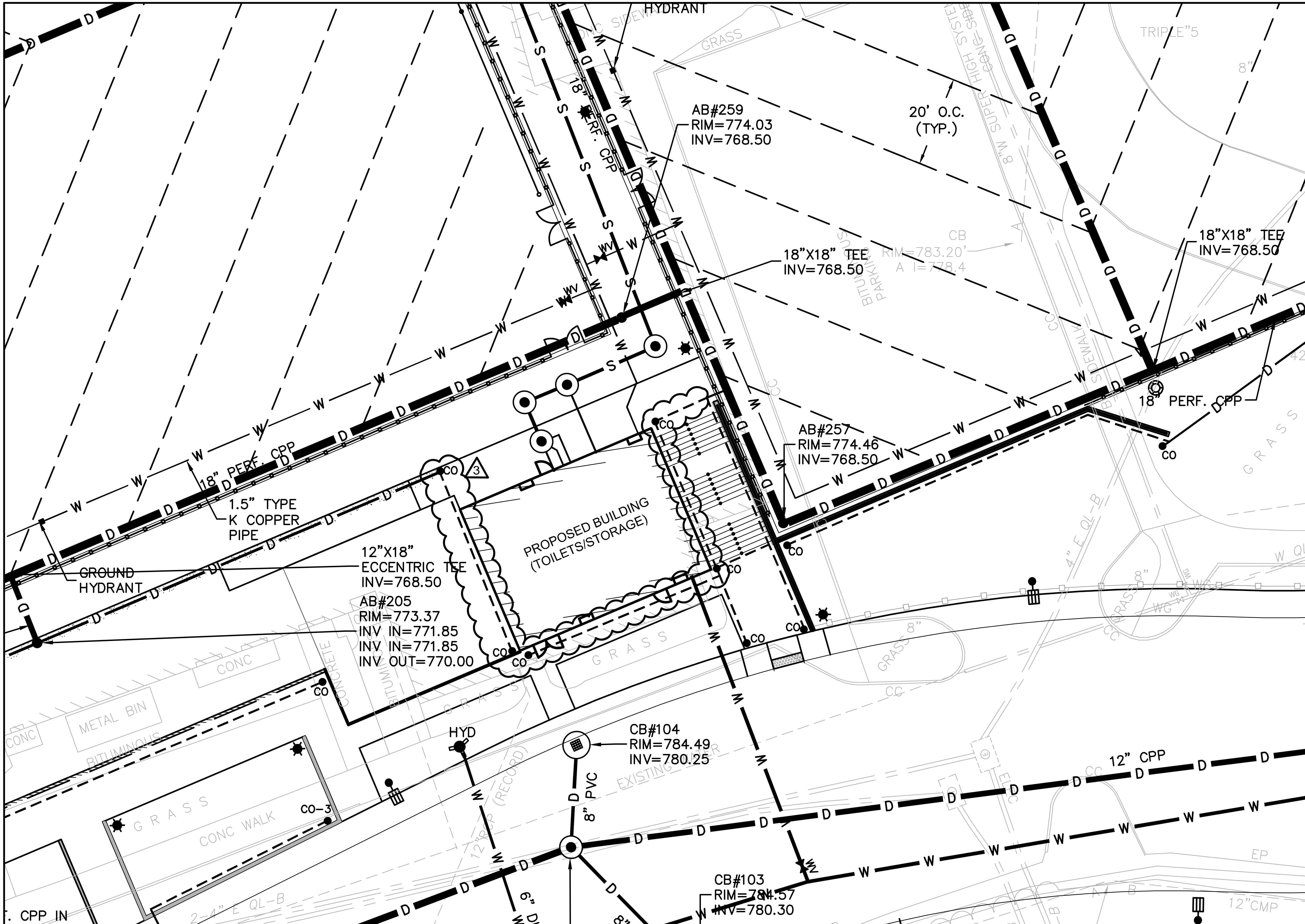

DRAWING NAME: Site Drainage Plan Sketch

SHEET REF. NO. C9.2

DRAWING NUMBER: ADD-3 C-029

DATE: 09/17/18

SCALE: 1"=20'

EARLY SITE BID PACKAGE #2

PROJECT TITLE: South High Community School

170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION: Worcester Public Schools

City of Worcester
Massachusetts, 01605

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TC=764.70
BC=764.31

764.79

TC=764.58
BC=764.08

765

TC=764.73
BC=764.23

764.36

764.41

764.45

764.50

764.86

TC=766.05
BC=765.56

TC=764.78
BC=764.46

766

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767.50

STK @ TP109

767.49

767

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BC=766.35

766.52

766

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766.16

766.23

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768.84

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769.08

769.13

TC=769.00

TC=769.40

ND BUFFER ZONE

JCTURE SETBACK

GRADING SETBACK

E OF BORDERING
ETATED WETLAND

SCALE:
1" = 20'

20 10 0 20 40

DRAWING NAME: Civil Grading Plan Sketch

SHEET REF. NO. C7.0 & C7.1

DRAWING NUMBER: ADD-3 C-030

DATE: 09/17/18

SCALE: As Noted

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

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100 GROVE STREET, SUITE 300
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ELECTRIC AND COMMUNICATION
SERVICES TO PUMP STATION
SEE ELECTRICAL PLANS FOR DETAILS

3

JUNCTION BOX

VALVE CHAMBER

PUMP CHAMBER
RIM=744.25
INV IN=740.35

PROPOSED BUILDING

4" VENT

SS#7
INV=741.40

4" VENT

SS#6
INV=743.00

GAS-SAND TRAP#2
SEE PLUMBING
PLANS FOR DETAILS

EMERGENCY GENERATOR
SEE ELECTRICAL PLANS
FOR DETAILS

6" DI DOMESTIC
WATER SERVICE

8" DI FIRE
PROTECTION SERVICE

TRANSFORMER
SEE ELECTRICAL
PLANS FOR DETAILS

CATV HANDH
ELECTRICAL
DETAILS

TELECOM D
SEE ELECTR
FOR DETAIL

ELECTRIC D
SEE ELECTR
FOR DETAIL

CONNE
EXISTI

SCALE:
1" = 20'

20 10 0 20 40

DRAWING NAME: Site Utility Plan Sketch
SHEET REF. NO. C8.3
DRAWING NUMBER: ADD-3 / C-031
DATE: 09/17/18
SCALE: 1" = 20'

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

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118 GROVE STREET, SUITE 300
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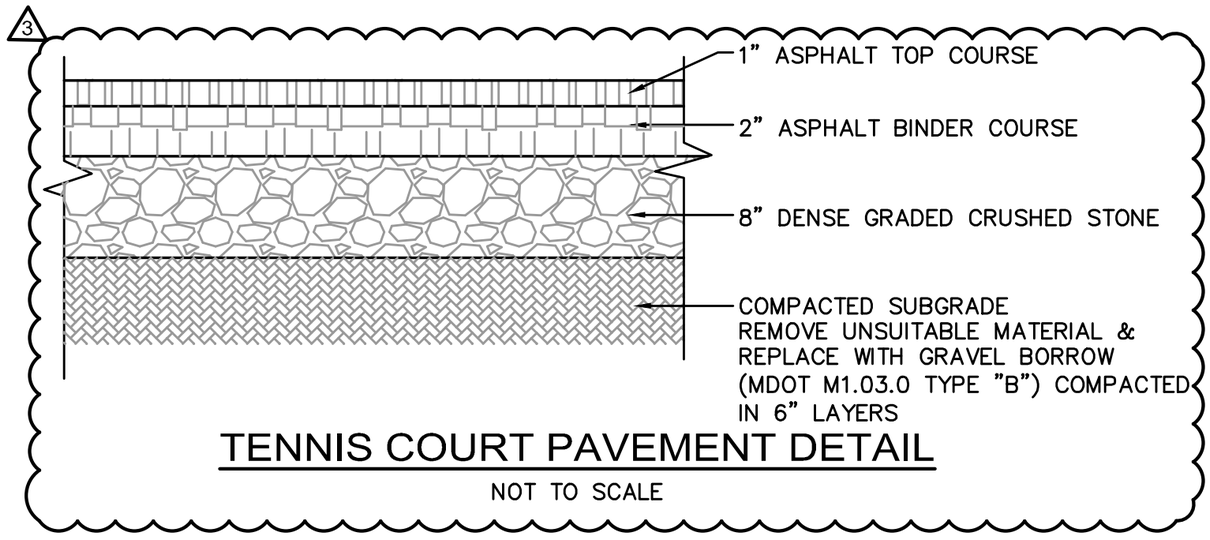

TENNIS COURT PAVEMENT DETAIL

NOT TO SCALE

DRAWING NAME: Civil Detail Sketch
SHEET REF. NO. C11.6
DATE: 09/17/18
SCALE: NTS
DRAWING NUMBER: ADD-3 / C-032

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

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120 GROVE STREET, SUITE 380
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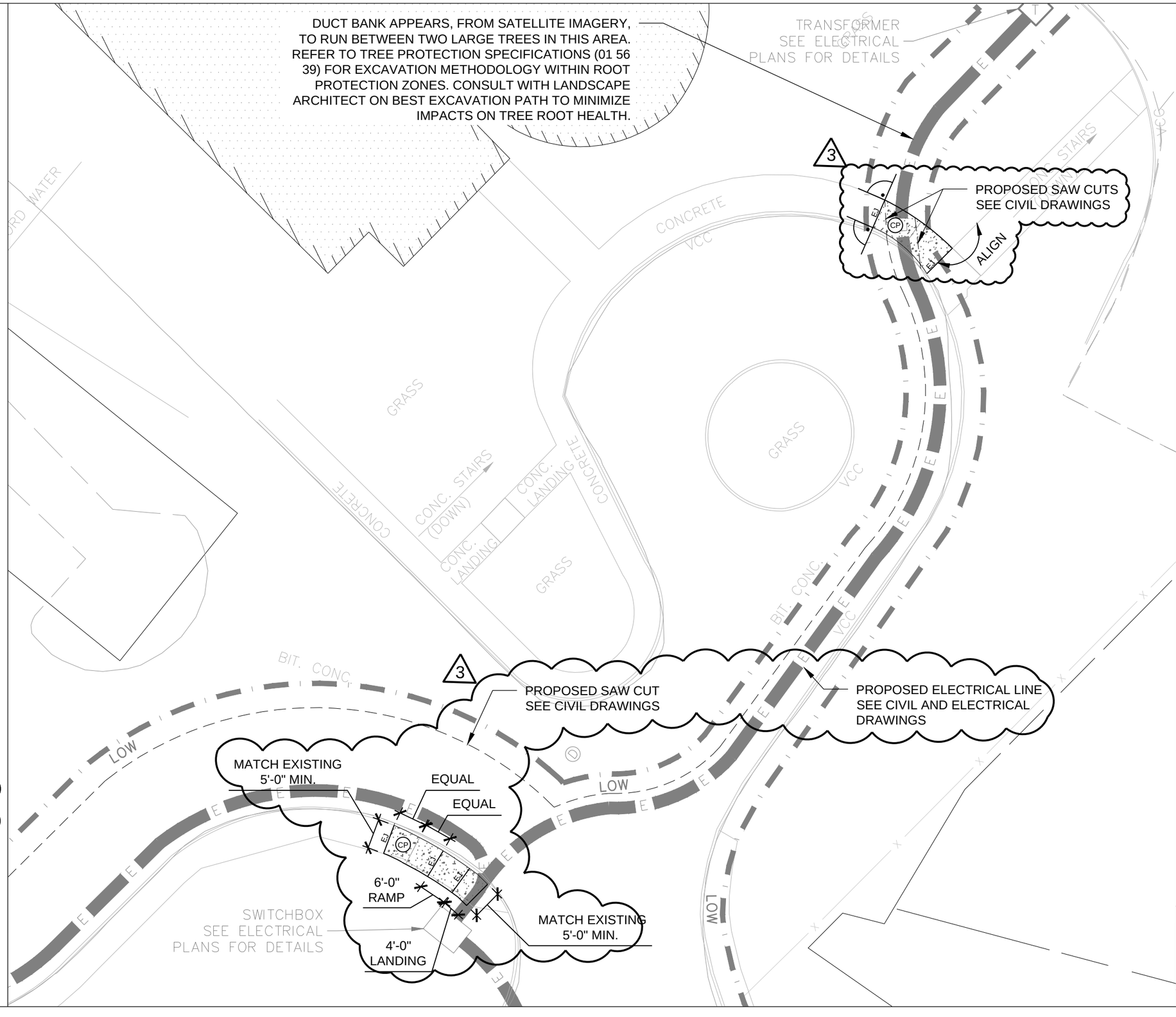
3 Concrete walk replacement in conjunction with proposed electrical work (see civil and electrical drawings)

1. Concrete walks should be cut at existing expansion or construction joints within a reasonable distance to the extent of excavation.
2. New construction and expansion joints should match the existing pattern and spacing as closely as possible.



LAYOUT LEGEND

SYM	DESCRIPTION
	RIGHT ANGLE
ALIGN	ALIGN
℄	CENTERLINE
EQ	EQUAL
CP	CONCRETE PAVEMENT - PEDESTRIAN
EJ	* EXPANSION JOINT

1 / L5.0

7 / L5.0

* TRADE CONTRACT REQUIRED AS PART OF SPECIFICATION SECTION 070001

SHEET REF. NO.
L2.3, L2.4,
L3.3, L3.4

DRAWING NUMBER:
ADD-3
L- 003

DRAWING NAME:
Courtyard Trees

DATE:
September 17, 2018

SCALE:
1" = 20'-0"

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

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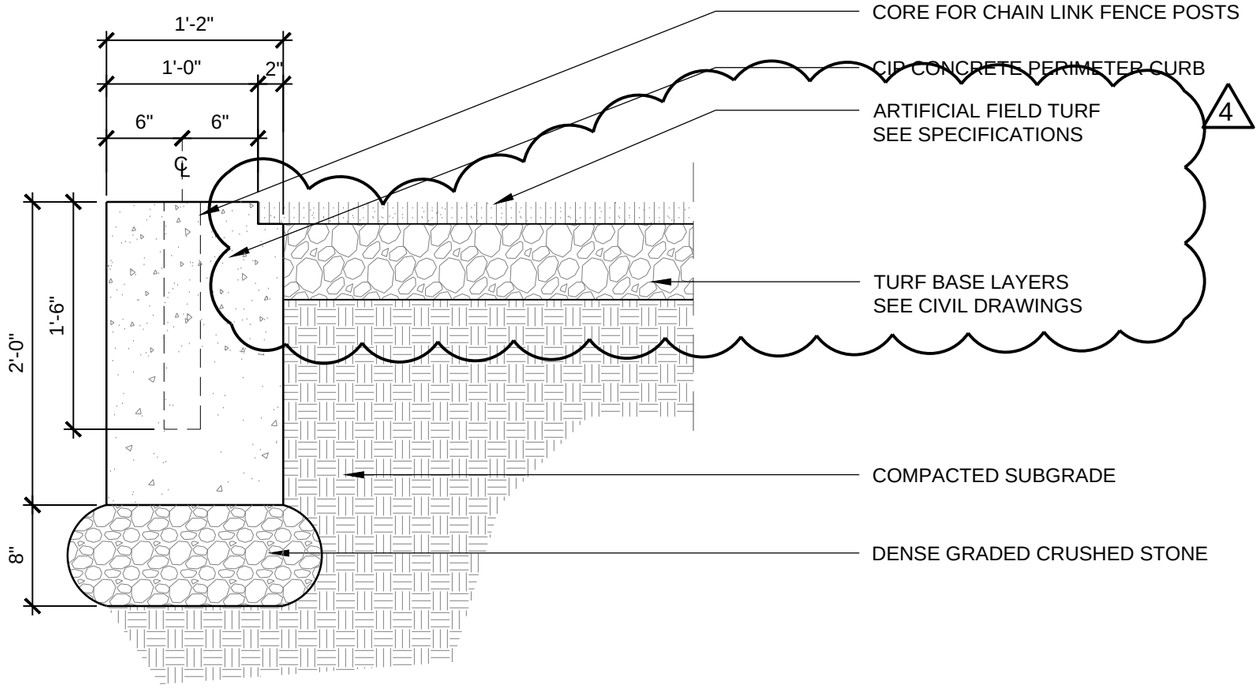
4 See civil drawings for artificial field turf drainage layers.



6 FIELD PERIMETER CURB - TYPICAL - SYNTHETIC TURF

1" = 1'-0"

DRAWING NAME: Artificial Field Turf Detail

SHEET REF. NO. L5.6

DRAWING NUMBER: ADD-3 / L- 004

DATE: September 17, 2018

SCALE: NTS

PROJECT TITLE:

EARLY SITE BID PACKAGE #2

South High Community School

170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:

Worcester Public Schools

City of Worcester
Massachusetts, 01605

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5 Location of the irrigation control box called out.

IRRIGATION LEGEND

SYMBOL	DESCRIPTION
B	BUBBLER ON TREES
B1	BUBBLER ON TREES IN COBBLE
D	DRIP IN SHRUB + PERENNIAL BEDS
L	SPRAY HEADS IN LAWN
X	NO IRRIGATION

5 NOTE: SEE PLANTING PLAN AND SPECIFICATIONS FOR DETAIL
IRRIGATION CONTROL BOX TO BE LOCATED IN BOILER ROOM ADJACENT TO BFP
- REFER TO PLUMBING DRAWINGS

SHEET REF. NO. L2.9

DRAWING NAME: Irrigation Control Box Location

DRAWING NUMBER: ADD-3 / L- 005

DATE: September 17, 2018

SCALE: NTS

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

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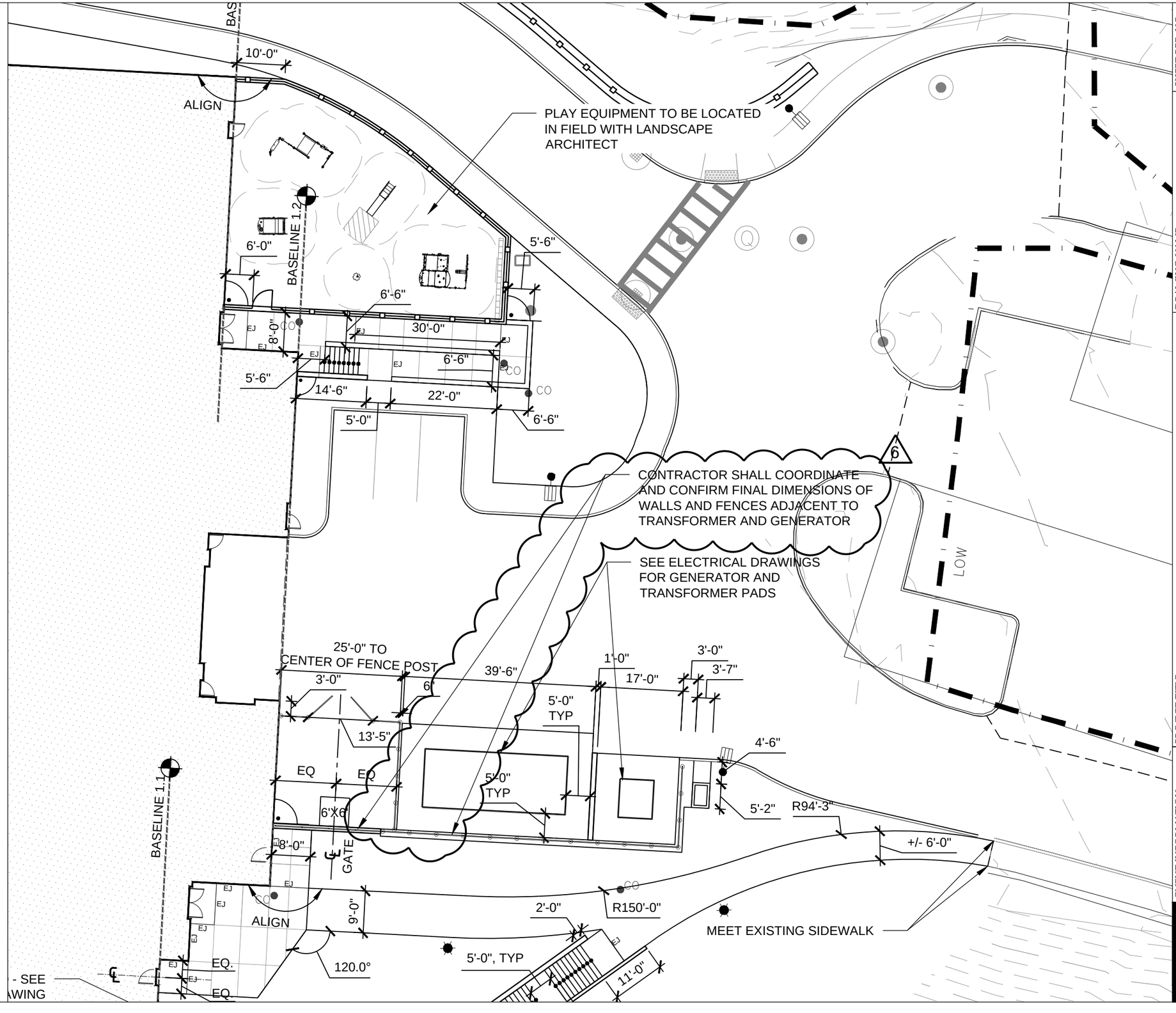
6 Clarifying note to confirm wall and fence locations and dimensions.



SHEET REF. NO. L3.1

DRAWING NUMBER: ADD-3

L- 006

DRAWING NAME: Generator/Transformer Note

DATE: September 17, 2018

SCALE: 1" = 20'-0"

PROJECT TITLE:

EARLY SITE BID PACKAGE #2

South High Community School

170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:

Worcester Public Schools

City of Worcester
Massachusetts, 01605

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100 GROVE STREET, SUITE 200
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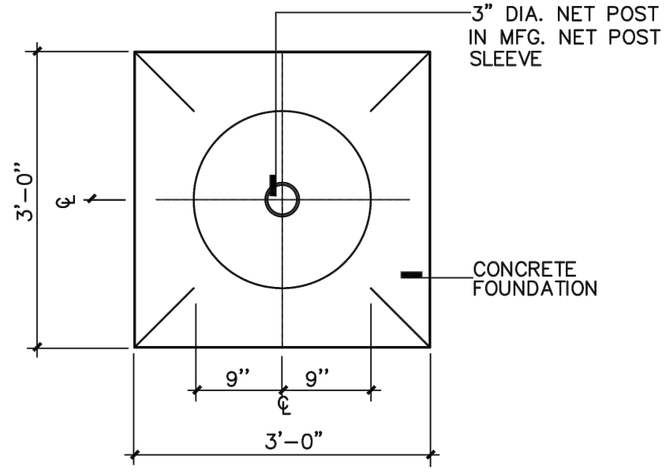
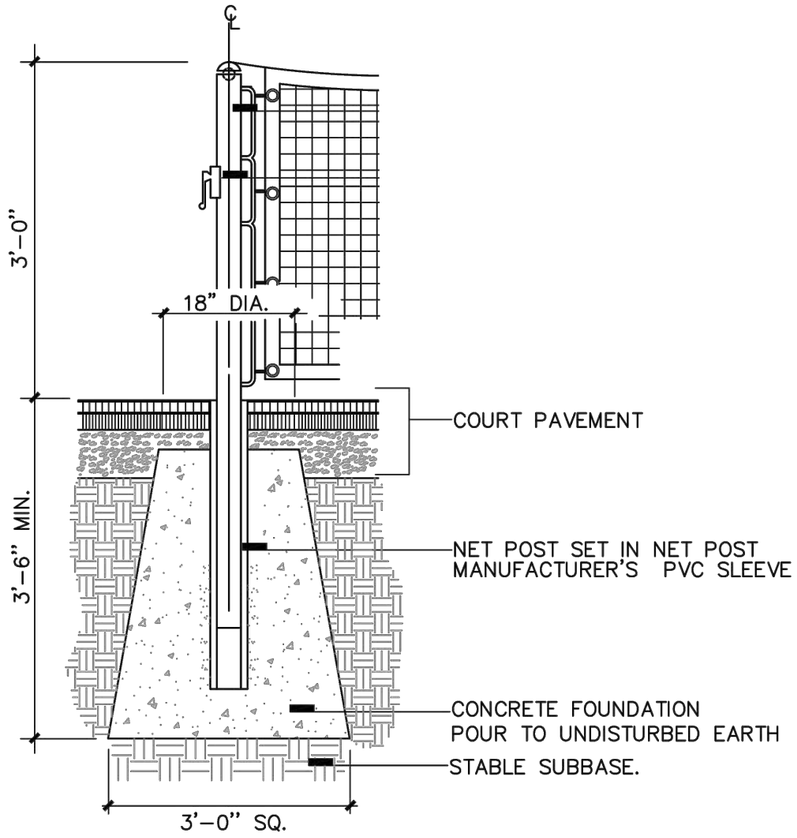
7 Detail is new to CD set.



PLAN



SECTION

7

9 TENNIS NET POST TYPICAL DETAILS

NTS

DRAWING NAME: Tennis Net Pole Detail
SHEET REF. NO. L5.6
DRAWING NUMBER: ADD-3 / L- 007
DATE: September 17, 2018
SCALE: NTS

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
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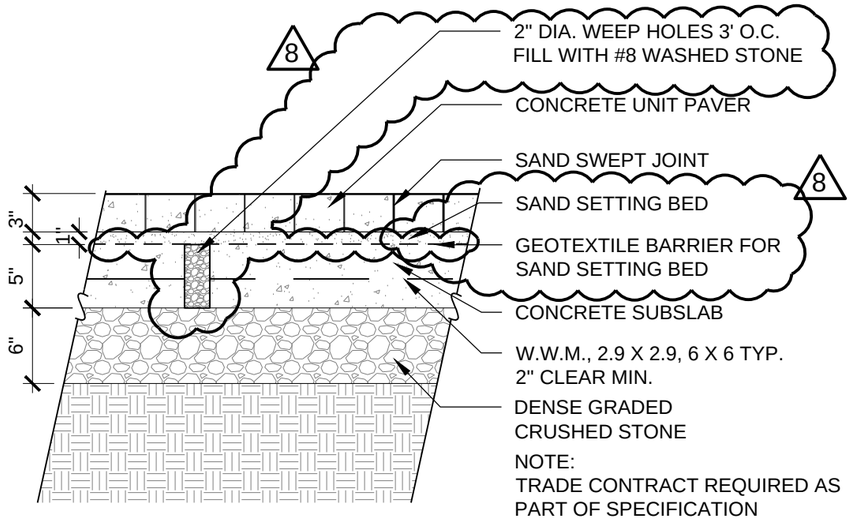
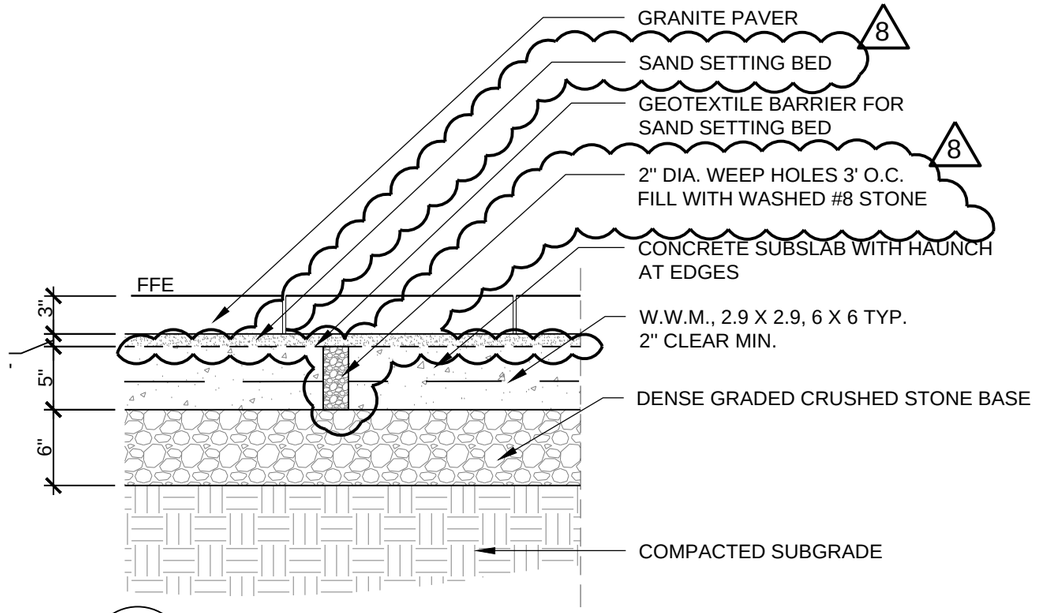
Massachusetts, 01605

LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS
118 GROVE STREET, SUITE 200
WORCESTER, MASSACHUSETTS 01605
MEMBER OF
THE AMERICAN INSTITUTE OF ARCHITECTS

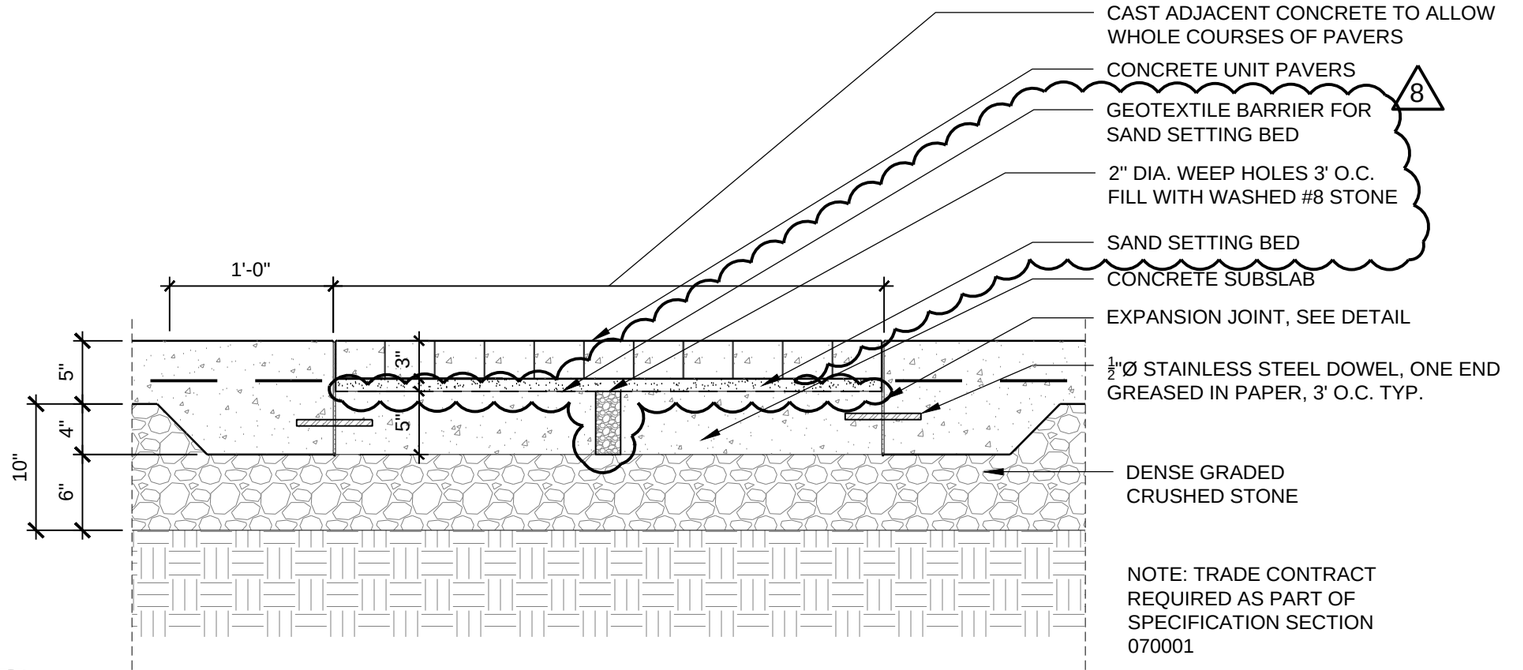


3 UNIT PAVERS
1" = 1'-0"



4 GRANITE PAVERS
1" = 1'-0"

8 Changed setting bed to sand for all concrete and granite pavers. Drainage holes are to be drilled 3' o.c. in the concrete sub slab and filled with #8 stone. Filter fabric should be laid between the concrete sub slab and the sand setting bed.



5 CONCRETE UNIT PAVERS AT CONCRETE PAVEMENT EDGE
1" = 1'-0"

SHEET REF. NO. L5.0
DRAWING NUMBER: ADD-3
L- 008
DRAWING NAME: Concrete Unit and Granite Pavers
DATE: September 17, 2018
SCALE: 1" = 1'-0"
PROJECT TITLE: EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603
CLIENT INFORMATION: Worcester Public Schools
City of Worcester
Massachusetts, 01605
LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS
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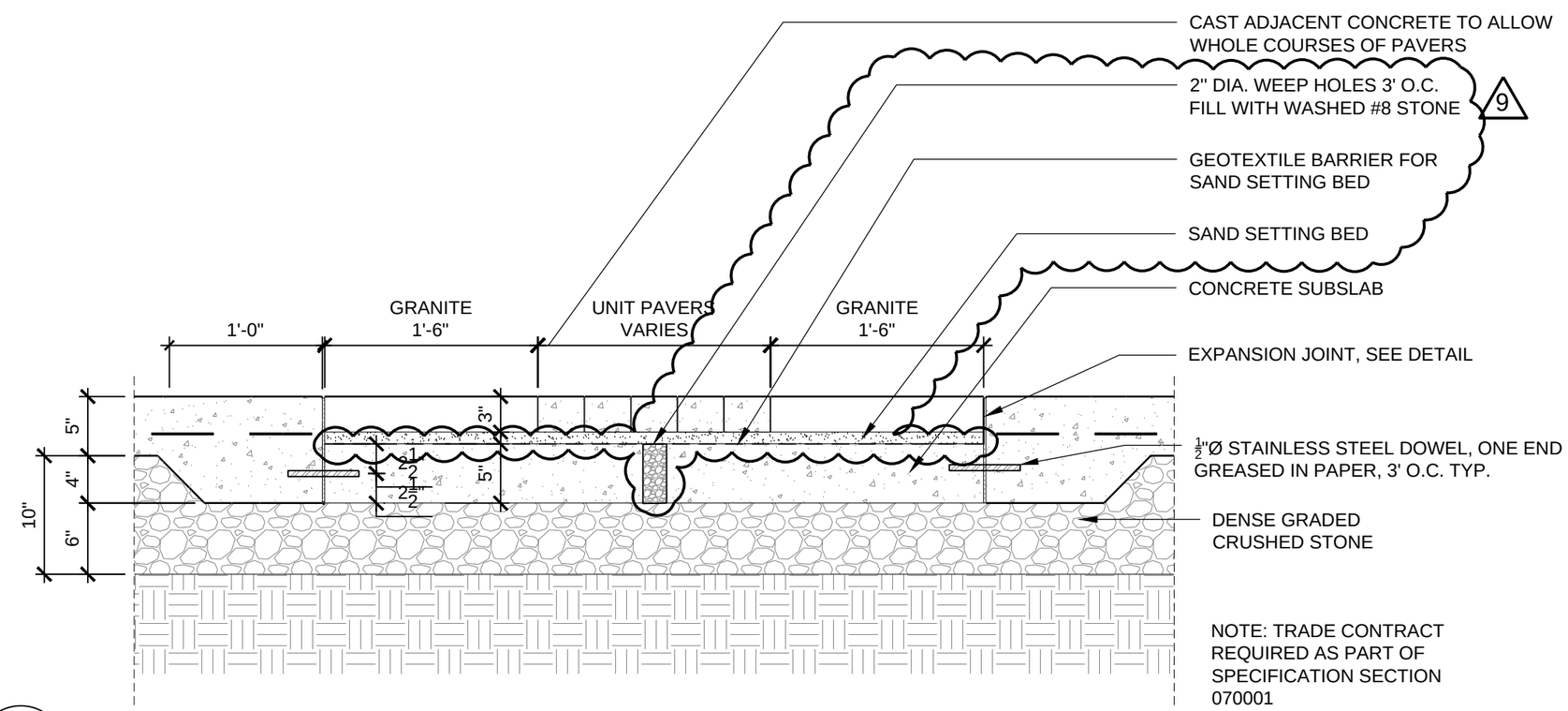
9 Changed setting bed to sand for all concrete and granite pavers. Drainage holes are to be drilled 3' o.c. in the concrete sub slab and filled with #8 stone. Filter fabric should be laid between the concrete sub slab and the sand setting bed.



6 PAVEMENT CONNECTION DETAILS AT PLAZA

1" = 1'-0"

SHEET REF. NO. L5.0

DRAWING NUMBER: ADD-3 / L- 009

DRAWING NAME: Concrete Unit and Granite Pavers

DATE: September 17, 2018

SCALE: 1" = 1'-0"

PROJECT TITLE:

EARLY SITE BID PACKAGE #2

South High Community School

170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:

Worcester Public Schools

City of Worcester
Massachusetts, 01605

LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS
160 GROVE STREET, SUITE 100
WORCESTER, MASSACHUSETTS 01605
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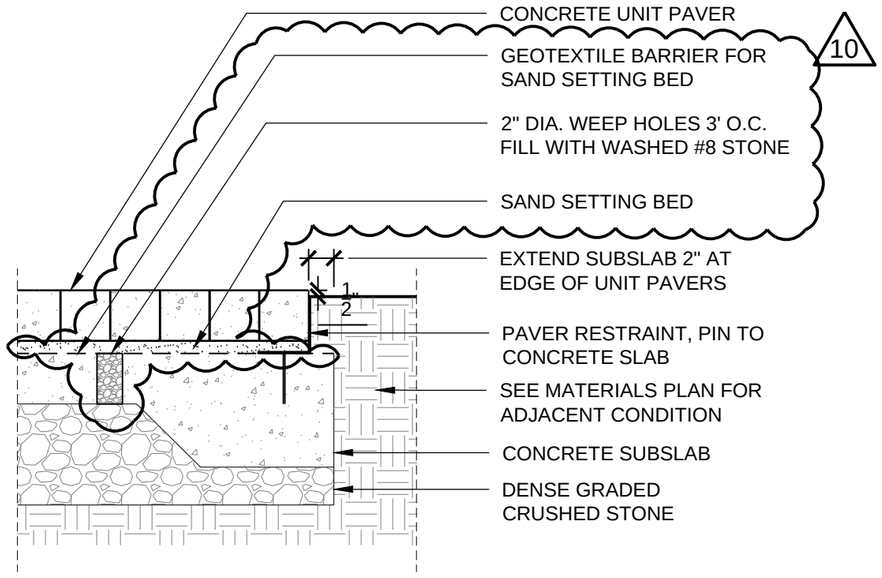
10 Changed setting bed to sand for all concrete and granite pavers. Drainage holes are to be drilled 3' o.c. in the concrete sub slab and filled with #8 stone. Filter fabric should be laid between the concrete sub slab and the sand setting bed.



8 PAVER RESTRAINT AT EDGE CONDITION

1" = 1'-0"

SHEET REF. NO. L5.0

DRAWING NAME: Concrete Unit and Granite Pavers

DRAWING NUMBER: ADD-3 / L- 010

DATE: September 17, 2018

SCALE: 1" = 1'-0"

PROJECT TITLE:

EARLY SITE BID PACKAGE #2

South High Community School

170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:

Worcester Public Schools

City of Worcester
Massachusetts, 01605

LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS
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MEMBER OF
THE AMERICAN INSTITUTE OF ARCHITECTS

ADDENDUM No. 4 – September 19, 2018

GENERAL

This addendum modifies, amends, and supplements designated parts of the Contract Documents for the above project and is hereby made part thereof by reference and shall be as binding as though inserted in locations designated hereunder.

It shall be the responsibility of the bidders to notify all subcontractors and suppliers he proposes to use for the various parts of the work for any changes or modifications contained in this addendum. No claim for additional compensation because of lack of knowledge of the contents of this addendum will be considered.

SPECIFICATIONS

1. DOCUMENT 03 45 01 – PRECAST ARCHITECTURAL CONCRETE - SITEWORK

Page 6, 2.1, D
Delete Line 1.
Insert:
"1. Standard and Amphitheater Benches: #4 rebar at 16 inches on center, 3 inch clear.
2. Bollard: #3 rebar at 12 inches on center, 3 inch clear
3. Steps: #3 rebar at 16 inches on center, 3 inch clear
4. Entry sign: #4 rebar at 16 inches on center, 3 inch clear"

Page 7, 2.1
Insert:
"R. Precast concrete benches and bollards (add. #3)
   1. Standard bench: 1'-6" W x 1'-10" H x 4'-0" L
   2. Amphitheater bench: 2'-0" W x 1'-8" H x 4'-0" L
   3. Bollard: 1'-6" W x 1'-6" W x 1'-10" H
S. Precast steps (at amphitheater)
   1. Lower steps: 9" H x 2'-0" W x 4'-0" L
   2. Upper step: 7" H x 1'-0" W x 4'-0" L and 7" H x 1'-0" width x 2'-0" L
T. Entry sign
   1. 5'-0" H x 1'-4" W x 10'-0" L
   2. Board form finish
   3. Recess for insert LED sign
   4. Conduit for LED sign and lighting"

Page 9, 2.5, B
Delete: "All edges to have 3/8" chamfer."
Insert: "Eased edges."

Page 9, 2.5, B
Insert at end:
"1. Benches and bollards to have 3/8 inch chamfer on all edges.
2. Steps to have 1 inch radius at leading edge."

2. SECTION 32 14 13 – CONCRETE UNIT PAVING

Page 1, 1.1, A, 1
Change “mortar” to “sand”

Page 2, 1.4, C
Change “mortar” to “sand setting”

Page 4, 2.2
Change “MORTAR” to “SAND”

Page 4, 2.2, A
Delete in its entirey.
Replace with: “A. Sand shall be a clean, washed, uniformly well graded masonry sand with 100 percent passing No. 16 (1.18-mm) sieve and no more than 10 percent passing No. 200 (0.075- mm) sieve, conforming to ASTM C 144, except that the fineness modulus shall be 2.25+ 0.10. Sand shall be from a single source. Source of supply shall not be changed during course of job without written permission of the Architect.”

Page 4, 2.3, A
Delete in its entirey.
Replace with: “A. Filter fabric shall be a non-woven polypropylene fabric equal to Mirafi 140N, manufactured by Tencate, 365 South Holland Drive, Pendergrass, GA 30567; Tel 800 685 9990; Tel 706 693 2226; Fax 706 693 4400; www.mirafi.com, or approved equal.”

Page 5, 3.1, A
Change “mortar” to “sand”

Page 6, 3.2
Delete items A and B in its entirety.
Insert: “A. Drill 2 inch diameter holes through concrete base slab 36 inches on center.
B. Fill drilled holes with washed #8 stone.
C. Lay filter fabric across entire concrete slab where pavers will be laid.”

Page 7, 3.5
Change “MORTAR” to “SAND”
Delete items A, B, C, D, F, G.
Change E to B, H to C, I to D, and J to E.

Page 7, 3.5, H

Delete sentence: "Set each paver in a single operation before initial set of mortar; do not return to areas already set and disturb pavers for purposes of realigning finished surfaces or adjusting joints."

Replace with: "Lay sand bed across area that can be laid that day and screed to required depth and level."

3. SECTION 32 14 10 – GRANITE PAVING

Page 1, 1.1, A, 1

Change "mortar" to "sand"

Page 2, 1.4, A

Delete:	"Mortar Pointing Grout	Color chart, Cured sample, 2 x 2 in., color to be specified. Three required, full size, thickness, color and finish as specified."

Page 2, 1.4, B

Delete: "Mortar materials, including additives
Grout materials, including additives"

Insert: "Sand setting bed material
Filter fabric
Joint sand"

Page 4, 1.10

Delete in its entirety.

Page 6, 2.3

Change "MORTAR" to "SAND"

Page 6, 2.3, A

Delete in its entirey.

Replace with: "A. Sand shall be a clean, washed, uniformly well graded masonry sand with 100 percent passing No. 16 (1.18-mm) sieve and no more than 10 percent passing No. 200 (0.075- mm) sieve, conforming to ASTM C 144, except that the fineness modulus shall be 2.25+ 0.10. Sand shall be from a single source. Source of supply shall not be changed during course of job without written permission of the Architect."

Page 6, 2.4

Delete: "BOND COAT"

Replace with: "FILTER FABRIC"

Page 6, 2.4, A

Delete in its entirety.

Replace with: "A. Filter fabric shall be a non-woven polypropylene fabric equal to Mirafi 140N, manufactured by Tencate, 365 South Holland Drive, Pendergrass, GA 30567; Tel 800 685 9990; Tel 706 693 2226; Fax 706 693 4400; www.mirafi.com, or approved equal.

Page 6, 2.5
Delete in its entirety.
Change 2.6 to 2.5, 2.7 to 2.6, and 2.8 to 2.7.

Page 7, 3.2
Change A to D, B to E.
Insert: "A. Drill 2 inch diameter holes through concrete base slab 36 inches on center.
B. Fill drilled holes with washed #8 stone.
C. Lay filter fabric across entire concrete slab where pavers will be laid."

Page 8, 3.4
Change "MORTAR" to "SAND"

Page 8, 3.4, E
Change "mortar" to "sand"

Page 8, 3.4, F
Delete in its entirety.
Replace with: "F. Sand setting bed shall be 1 inch thick, minimum."

Page 8, 3.4, G
Delete in its entirety.

Page 8, 3.4, H
Delete in its entirety.

Page 9, 3.4
Delete J, K, L, M in its entirety.

Page 8, 3.4
Change I to G.

Page 9
Change 3.5 to 3.7, 3.6 to 3.8

Page 9
Insert: "3.5. JOINT TREATMENT – SAND

A. On a dry day, after granite pavers have been installed, joints of pavers shall be filled by sweeping dry sand into them. When joints

are filled, paver surfaces shall be lightly misted with a fine spray of water to settle sand joint filler. Additional dry sand shall be added and swept into joints, repeating the process until joints are completely filled. Pavers shall then be swept clean and rinsed with a fine spray, careful not to dislodge joint filler.

3.6 CLEANING OF PAVED SURFACE

A. After completion of the granite pavers, paved areas shall be thoroughly swept clean and surface shall be left unsoiled. Where required, surface shall be cleaned with water or an approved cleaner."

4. SECTION 32 31 13 – CHAIN LINK FENCES AND GATES

Page 4, 1.1, A, 1
Change 2.6 to 2.7, 2.7 to 2.8, 2.9 to 2.10, 2.10 to 2.11.

Page 4
Insert: "2.6 CANTILEVERED SLIDE GATE

A. Gate Frames: Fabricate chain link cantilever slide gates in accordance with ASTM F 1184, Type II, Class 2, using 2 inch square aluminum member, ASTM B 221, alloy and temper 6063-T6, weighing 0.94 lb/ft. Weld members together forming rigid one-piece frame integral with top track (no substitution). Frame members to be square, straight, and true to within over a 40' span in an un-stressed state. Provide 2 truck assemblies for each gate leaf, except as indicated for gates larger than 30'. Frame sizes over 27' in length shall be shipped in 2 parts and field spliced with special attachments provided by the manufacturer, Polyolefin coated frame and top track thermally fused with minimum 10 mils per ASTM 1043 (after fabrication). Coating before fabrication will not be allowed. If gate is not to be Polyolefin coated, eliminate reference to polyolefin coating.

For gate leaf size 23' to 30', weld an additional 2" square lateral support rail adjacent to top horizontal rail. Bottom rail shall consist of 2" x 4" aluminum member weighing 1.71 lb/ft.

Gate Leaf Sizes	**Cantilever Support (Overhang)**
23 ft to 30 ft	12'-0"

B. Gate Frame Finish: natural aluminum

C. Chain Link Filler Finish: Aluminized – ASTM A 491

D. Bracing: Provide diagonal adjustable length truss rods of 3/8 inch galvanized steel, in each panel of gate frame.

E. Top track/rail: Enclosed combination one-piece track and rail, aluminum extrusion with weight of 3.72 lb/ft. Track to withstand reaction load of 2,000 lb.

F. Truck Assembly: Swivel type, zinc die cast, with 4 sealed lubricant ball bearing rollers, 2 inches in diameter by 9/16" in width, and 2 side rolling wheels to ensure truck alignment in track (no substitutions). Mount trucks on post brackets using 7/8" diameter ball bolts with ½" shank. Truck assembly to withstand same reaction as track, 2,000 lb.

G. Gate hangers, latches, brackets, guide assemblies, and stops: Malleable iron and steel, galvanized after fabrication. Provide positive latch with provisions for padlocking.

H. Bottom guide wheel assemblies: Each assembly shall consist of two, 3 inch diameter rubber wheels, straddling bottom horizontal gate rail, allowing adjustment to maintain gate frame plumb and in proper alignment. Attach one assembly to each guide post.

I. Guide posts: For gates under 31'-0": galvanized steel 4 inch OD schedule 40 pipe, ASTM F 1083, weighing 9.1 lb/ft. Provide 1 latch post and support posts for single slide gates and 4 support posts for double slide gate.
   1. Finish to match fence.

J. Motor: Provide motorized automated chain drive operation for each leaf of cantilevered gate assembly.
   1. Motors shall be minimum 1 HP, continuous-duty PSC motor (or larger if recommended by manufacturer for size/weight of gate assemblies).
   2. Provide pedestal mount.
   3. Provide exterior reset button
   4. Provide manual disconnect

K. Controls: Provide both wired and remote-control operation.
   1. Wired wall switch to be located in Receiving #B180.1.
   2. Provide UL 325/UL 991 controller with three (3) pushbutton remote controllers.
   3. Provide contact or non-contact anti-entrapment devices in accordance with UL 325.
   4. Provide exposed roller covers in accordance with ASTM F2200."

Page 6
Change 3.3 to 3.4, 3.4 to 3.5, 3.5 to 3.6, 3.6 to 3.7

Page 6
Insert: "3.3 CANTILEVER SLIDE GATE FRAMING INSTALLATION

A. Install gateposts in accordance with manufacturer's instructions.

B. Concrete set gateposts: Drill holes in firm, undisturbed, or compacted soil. Holes shall have diameter 4 times greater than outside dimension of post, and depths approximately 6 inches deeper then post bottom.

C. Excavate deeper as required for adequate support in soft and loose soils, and for posts with heavy lateral loads. Set post bottom 36 inches below surface when in firm, undisturbed soil. Place concrete around posts in continuous pour, tamp for consolidation. Trowel finish around post and slope to direct water away from posts. Check each post for vertical and top alignment, and maintain in position during placement and finishing operations."

DRAWINGS

1. DRAWING C7.2 – Site Grading Plan

A. Refer to sketch ADD-4/C-033

2. DRAWING L2.2 and L3.2

B. Refer to sketch ADD-4/L-011

3. DRAWING E0.3B – Electrical Sport Lighting Plan

C. Refer to sketch ADD-4/E-001

ATTACHMENTS

SKETCHES:

CIVIL

1. ADD-4/C-033 Civil Grading Plan Sketch

LANDSCAPE

1. ADD-4/L-011 Walk Behind Grandstand

ELECTRICAL

1. ADD-4/E-001 Tennis Court Conduit Path

END OF ADDENDUM #4

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BW=774.00

TW=779.00
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TC=788.
BC=788.

774.00
774.12
774.22
774.01
785.44
784.88
785.69

SCALE:
1" = 20'
20 10 0 20 40

SHEET REF. NO. C7.2

DRAWING NUMBER: ADD-4 C-033

DRAWING NAME: Civil Grading Plan Sketch

DATE: 09/19/18

SCALE: As Noted

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

LAMOUREUX PACANO ASSOCIATES, ARCHITECTS
100 GROVE STREET, SUITE 300
WORCESTER, MASSACHUSETTS 01605
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11 Walls added to support concrete walk behind bleachers as per updated grading.

W1 C.I.P. CONCRETE RETAINING WALL

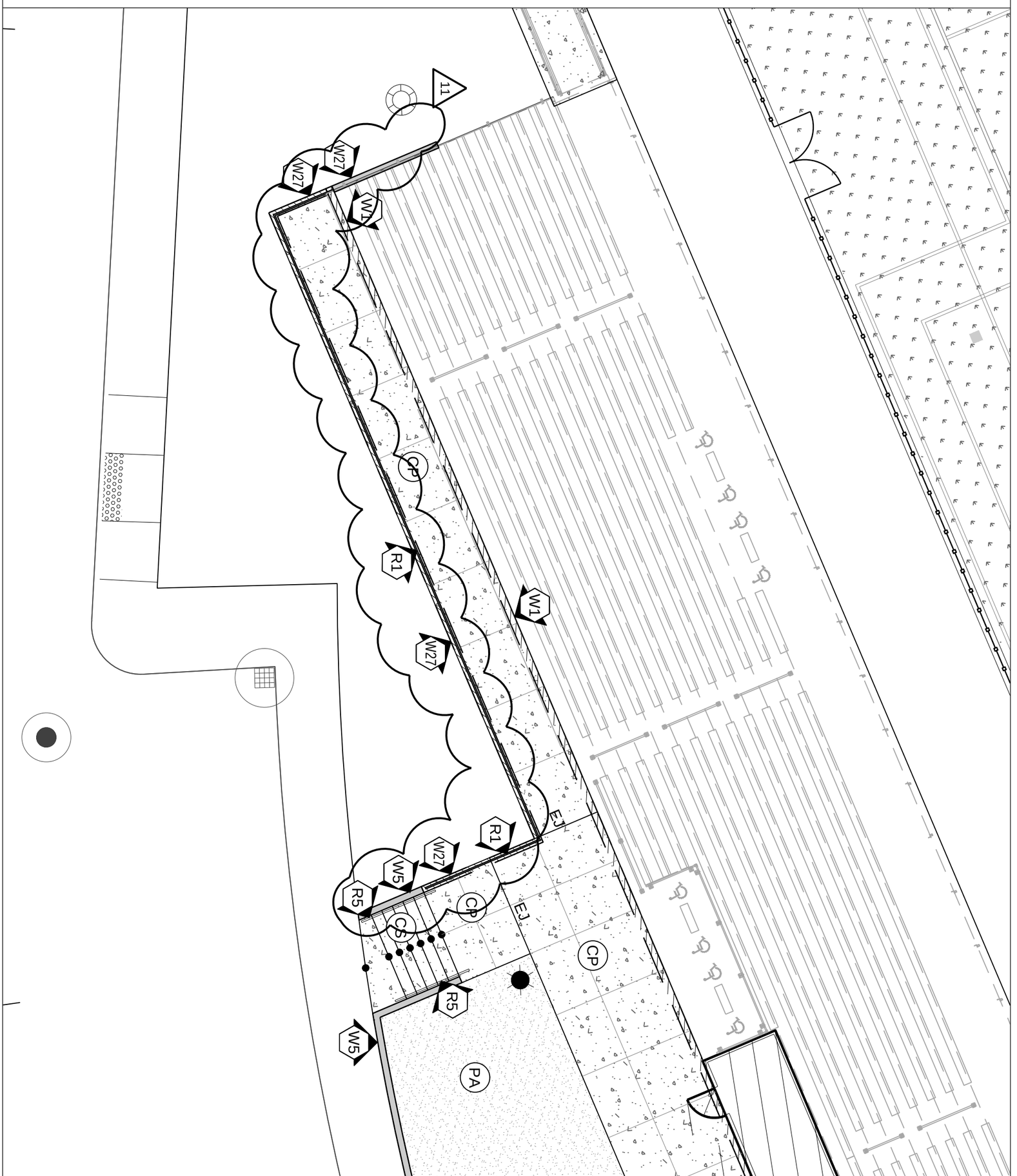
W27 C.I.P. RETAINING WALL W/ SMOOTH FINISH

R5 SEE STRUCTURAL

R1 ···· HANDRAIL

R3 ··· GUARDRAIL - PEDESTRIAN

R5 GUARDRAIL



LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS
100 GROVE STREET, SUITE 300
WORCESTER, MASSACHUSETTS 01605
MEMBER OF THE AMERICAN INSTITUTE OF ARCHITECTS

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

PROJECT TITLE:
EARLY SITE BID PACKAGE #2
South High Community School
170 Apricot Street, Worcester, MA 01603

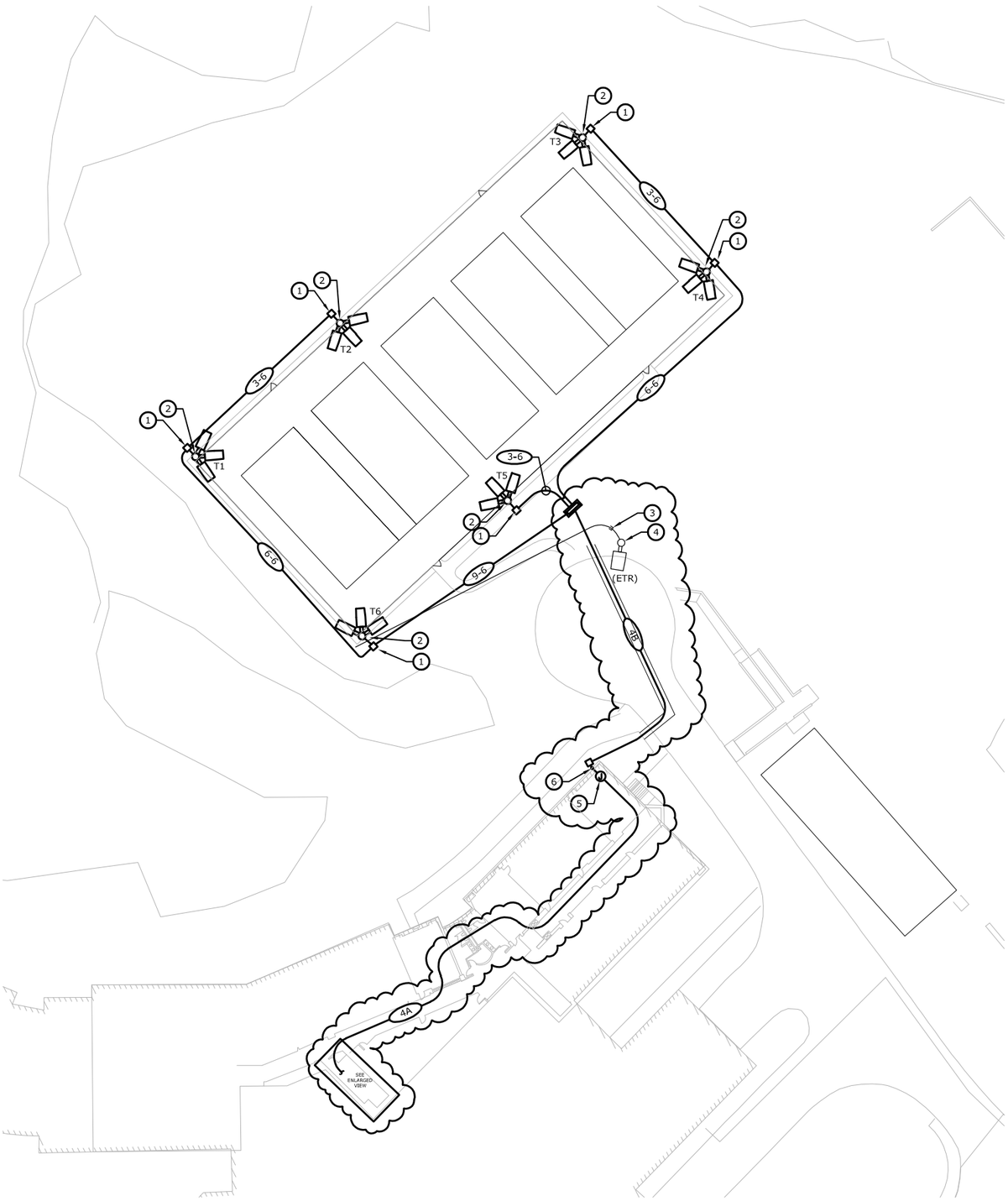
DRAWING NAME: Walk Behind Grandstand

SHEET REF. NO. L2.2, L3.2

DATE: September 19, 2018

SCALE: 1" = 10'-0"

DRAWING NUMBER:
ADD-4
L- 011



ADDENDUM NOTES:

1. RUN CONDUIT THROUGH SULLIVAN MIDDLE SCHOOL TO AVOID WETLANDS

LAMOUREUX PAGANO ASSOCIATES ARCHITECTS
168 GROVE STREET, SUITE 300
WORCESTER, MASSACHUSETTS 01605
MEMBER OF THE AMERICAN INSTITUTE OF ARCHITECTS

CLIENT INFORMATION:
Worcester Public Schools

City of Worcester
Massachusetts, 01605

PROJECT TITLE:
SITE ENABLING BID PACKAGE #1

South High Community School

170 Apricot Street, Worcester, MA 01603

DRAWING NAME: TENNIS COURT CONDUIT PATH

SHEET REF. NO.: E0.3B

DATE: 9/19/18

SCALE: 1/64"=1'-0"

DRAWING NUMBER:
ADD-4
E-001

ADDENDUM No. 5 – December 27, 2018

GENERAL

This addendum modifies, amends, and supplements designated parts of the Contract Documents for the above project and is hereby made part thereof by reference and shall be as binding as though inserted in locations designated hereunder.

It shall be the responsibility of the bidders to notify all subcontractors and suppliers he proposes to use for the various parts of the work for any changes or modifications contained in this addendum. No claim for additional compensation because of lack of knowledge of the contents of this addendum will be considered.

SPECIFICATIONS

1. SECTION 05 12 00 – STRUCTURAL STEEL

Page 11, 2.03

Insert at end: "E. Hot-dipped galvanized steel scheduled for field applied finish paint:

1. Touch-up all breaks on hot-dipped surfaces caused by cutting, welding, drilling, or undue abrasion with zinc rich paint. Apply zinc rich paint in two coats to a total dry film thickness of not less than 3 mils.

2. Provide factory-applied polyamide epoxy primer, 2.0 mils dry film thickness minimum, "Primergalv" by Duncan Galvanizing or approved equal compatible with finish paint system. Apply primer within 12 hours after galvanizing at the galvanizer's plant in a controlled environment meeting applicable environmental regulations, and as recommended by coating manufacturer. Engage the services of a galvanizing facility which will assume single-source responsibility for galvanizing and primer coating.

3. Touch-up finish in conformance with manufacturer's recommendations. Provide touch-up such that repair is not visible from a distance of 6 feet."

DRAWINGS

1. DRAWING S1.2 – Typical Details

A. At "TYPICAL SLAB ON GRADE CONSTRUCTION JOINT" detail, change note "SEE PLANS FOR LOCATION. ALLOW MIN 36 HOURS BETWEEN ADJACENT POURS" to "SEE PLANS FOR LOCATION. ALLOW MIN 36 HOURS BETWEEN ADJACENT POURS. WHERE NOT LOCATED ON PLANS, LOCATE CONSTRUCTION JOINTS TO LIMIT POURS TO LESS THAN 10,000 FT^2 AND LOCATE JOINTS BELOW PARTITIONS, WHERE POSSIBLE. REFER TO ARCH. DWG'S FOR JOINT DETAILS IN FLOORING AT SLAB ON GRADE CONSTRUCTION JOINTS, TYP. SUBMIT SLAB ON GRADE CONSTRUCTION JOINT PLAN FOR REVIEW PRIOR TO POURING SLABS."

2. DRAWING S3.2 – Ground Floor Foundation Plan Section B2

A. Add “W12x26” for missing beam size at “Partial Framing Plan- Mezzanine” along Column Line 33, between Column Lines NN & “- -“ near N.7.
B. Refer to Sketch ADD-5/S016

3. DRAWING S3.3 – First Floor Foundation Plan Section A

A. Refer to Sketch ADD-5/S001

4. DRAWING S3.6 – First Floor Framing Plan Section B2

A. Refer to Sketch ADD-5/S007

5. DRAWING S3.4 – First Floor Foundation Plan Section AB

A. Refer to Sketch ADD-5/S001
B. Refer to Sketch ADD-5/S009
C. Refer to Sketch ADD-5/S015

6. DRAWING S3.6 – First Floor Framing Plan Section B2

A. Refer to Sketch ADD-5/S016

7. DRAWING S3.7 – Second Floor Framing Plan Section A

A. Change string of dimensions at Stair #A3 (near Column G/1) from 11”, 6’-8”, 11” to 1’-0”, 6’-7”, 1’-0”.
B. Refer to Sketch ADD-5/S002
C. Refer to Sketch ADD-5/S005

8. DRAWING S3.8 – Second Floor / Low Roof Framing Plan Section AB

A. Change landing dimensions at Stair #A1 (near Column D/18) from 1’-8” to 1’-0”

9. DRAWING S3.11 – Third Floor Framing Plan Section A

A. Refer to Sketch ADD-5/S002
B. Refer to Sketch ADD-5/S005

10. DRAWING S3.12 – Third Floor / Low Roof Framing Plan Section AB

A. Change “TST 799-9 3/8”” to “TST (Coord. w/ Arch.)” at (7) HSS7x7x3/8 tubes between KK/43 - GG/43, GG/43 - GG/46, & GG/46 - KK/46.
B. Change landing dimensions at Stair #A1 (near Column D/18) from 1’-8” to 1’-0”.

11. DRAWING S3.15 – Roof Framing Plan Section A

A. Refer to Sketch ADD-5/S003

12. DRAWING S4.11 – Sections

A. Refer to Sketch ADD-5/S008

13. DRAWING S4.12 – Sections

A. Section 7/S4.12: Change "HSS7x7 COLUMN" to "HSS6x6 COLUMN"
B. Section 11/S4.12: Change note at lintel angle from "L6x4 (GALV) W/ 8" BRG EA. END, TYP." to "L6x4 (GALV & EPOXY PRIMED) W/ 8" BRG EA. END, REFER TO ARCH. DWG'S AND SPEC. 09 91 00 "PAINTING" FOR PAINTING REQUIREMENTS, TYP."
C. Section 12/S4.12: change note at lintel angle from "L6x4 (GALV) W/ 8" BRG EA. END 'R= ' TYP." to "L6x4 (GALV & EPOXY PRIMED) W/ 8" BRG EA. END, 'R= ', REFER TO ARCH. DWG'S AND SPEC. 09 91 00 "PAINTING" FOR PAINTING REQUIREMENTS, TYP."

14. DRAWING S4.14 – Sections

A. Refer to Sketch ADD-5/S011

15. DRAWING S4.15 – Sections

A. Refer to Sketch ADD-5/S006
B. Refer to Sketch ADD-5/S011
C. Refer to Sketch ADD-5/S017

16. DRAWING S4.20 – Sections

A. Refer to Sketch ADD-5/S010

17. DRAWING S4.21 – Sections

A. Section 10/S4.21: Add dimension of (8") for thickness of slab at bottom of pit.
B. Section 12/S4.21: Add dimension of "4'-0" (MINIMUM) TYPICAL" from top of exterior site grading to bottom of footing at foundation wall below bottom step.
C. Refer to Sketch ADD-5/S004

18. DRAWING S4.22 – Sections

A. Sections 1/S4.22 & 5/S4.22: Change note at lintel angle from "L6x4 (GALV) W/ 8" BRG EA. END, TYP." to "L6x4 (GALV & EPOXY PRIMED) W/ 8" BRG EA. END, REFER TO ARCH. DWG'S AND SPEC. 09 91 00 "PAINTING" FOR PAINTING REQUIREMENTS, TYP."
B. Refer to Sketch ADD-5/S012
C. Refer to Sketch ADD-5/S014

19. DRAWING S4.23 – Sections

A. Sections 7/S4.23 & 9/S4.23: Change note at lintel angle from "L6x4 (GALV) W/ 8" BRG EA. END, TYP." to "L6x4 (GALV & EPOXY PRIMED) W/ 8" BRG EA. END, REFER TO ARCH. DWG'S AND SPEC. 09 91 00 "PAINTING" FOR PAINTING REQUIREMENTS, TYP."

20. DRAWING S4.24 – Sections

A. Section 1/S4.23, 2/S4.23, & 3/S4.23: Change lowest landing TSL from 777'-9 ¾" to 777'-2 ¾"

21. DRAWING S6.1 – Trusses

A. Refer to Sketch ADD-5/S018

22. DRAWING S7.3 – Site Exterior Structures

A. Refer to Sketch ADD-5/S-13

23. DRAWING S7.4 – Site Retaining Walls & Exterior Sructures

A. Section 3/S7.4: Add "Typical" to note at top of CMU wall anchorage to W14 steel beam. Note to be: "REFER TO 'TYPICAL CONNECTION OF CMU SHEAR WALLS & EXTERIOR WALLS TO STRUCTURAL STEEL,' S1.3, TYPICAL"

24. DRAWING S7.5 – Solar Canopy Site Structures

A. At Bent 'A' Details: Change vertical reinforcing note from "(12) #7 Vert." to "(16) #7 Vert."

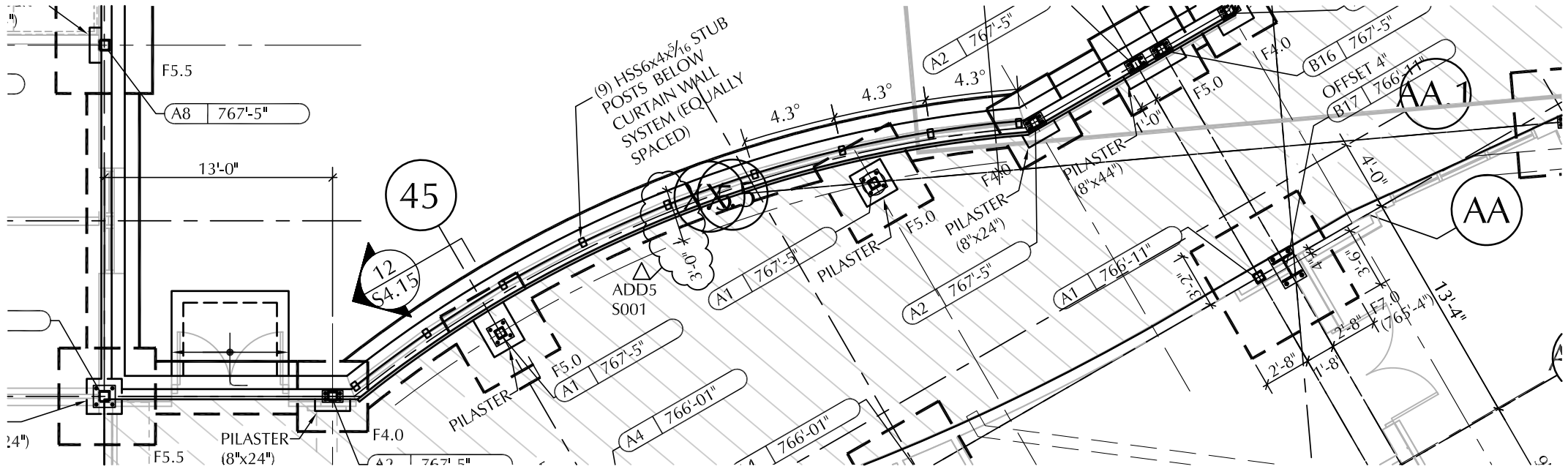
ATTACHMENTS

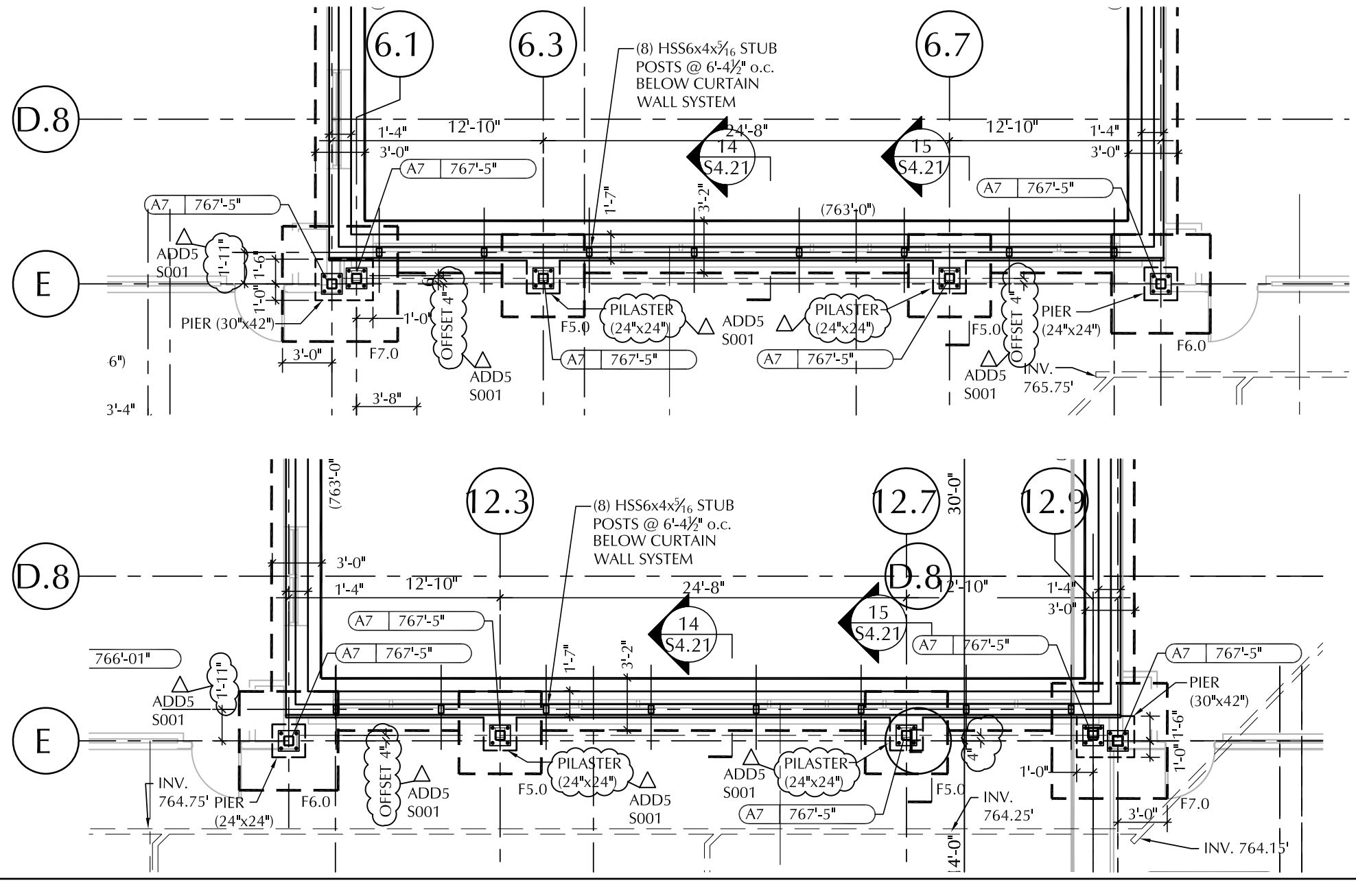
SKETCHES:

STRUCTURAL

1. ADD-5/S001 Curtainwall Dimension Coordination
2. ADD-5/S002 Curtainwall Dimension Coordination
3. ADD-5/S003 Curtainwall Dimension Coordination
4. ADD-5/S004 Curtainwall Dimension Coordination
5. ADD-5/S005 Stair #B3 and #B4 Coordination
6. ADD-5/S006 Stair Framing Coordination
7. ADD-5/S007 Foundation Wall Detail Coordination
8. ADD-5/S008 Foundation Wall Detail
9. ADD-5/S009 Pipe Trench Coordination
10. ADD-5/S010 Pipe Trench Coordination
11. ADD-5/S011 Foundation Wall Detail Coordination
12. ADD-5/S012 Girt Elevation Coordination
13. ADD-5/S013 Concrete Blast Wall & Transformer/Generator Pad Coordination
14. ADD-5/S014 Curtainwall Dimension Coordination
15. ADD-5/S015 Slab-on-Grade Depression Coordination
16. ADD-5/S016 Foundation Wall Dimension Coordination
17. ADD-5/S017 Curtainwall Dimension Coordination
18. ADD-5/S018 Horizontal Bracing Connection Coordination

END OF ADDENDUM #5





DRAWING NAME: Curtainwall Dimension Coordination

SHEET REF. NO.: S3.3 & S3.4

DRAWING NUMBER: ADD-5 / S001

DATE: 12/27/2018

SCALE: AS NOTED

PROJECT TITLE:

EARLY STRUCTURAL BID PACKAGE #3

South High Community School

170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
Worcester Public Schools

City of Worcester
Massachusetts, 01605

LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS
338 GROVE STREET, SUITE 300
WORCESTER, MASSACHUSETTS 01605
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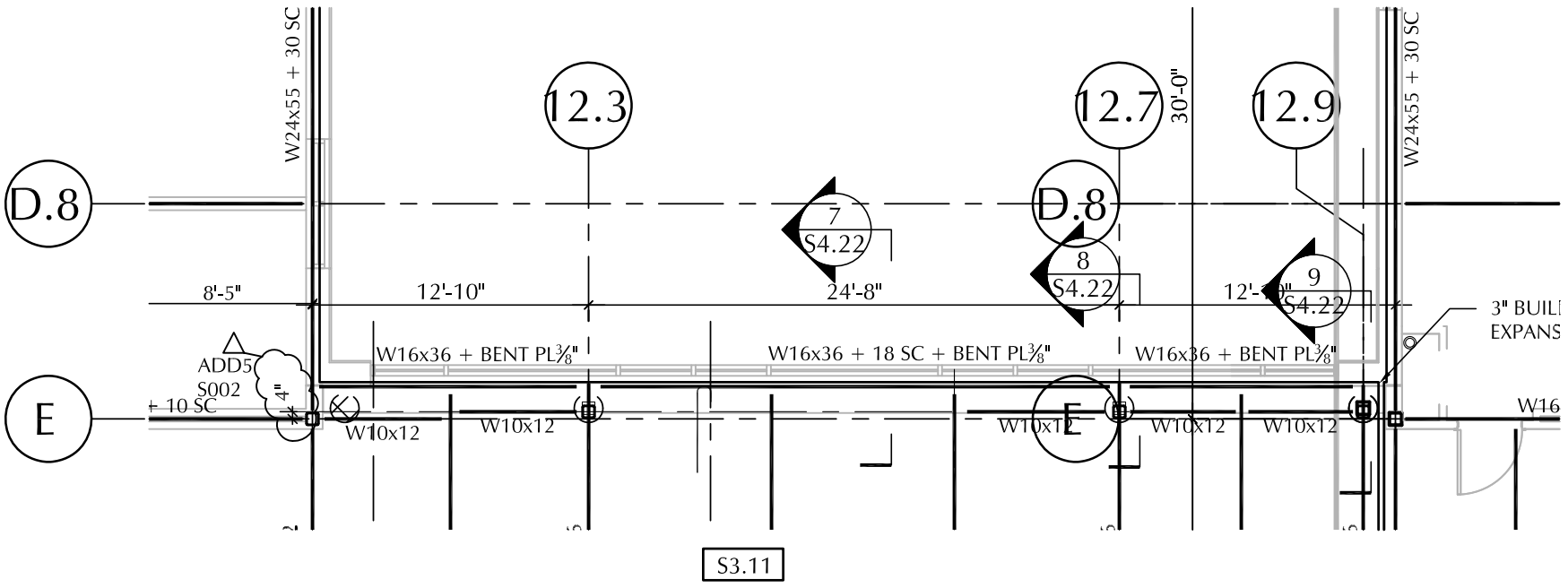
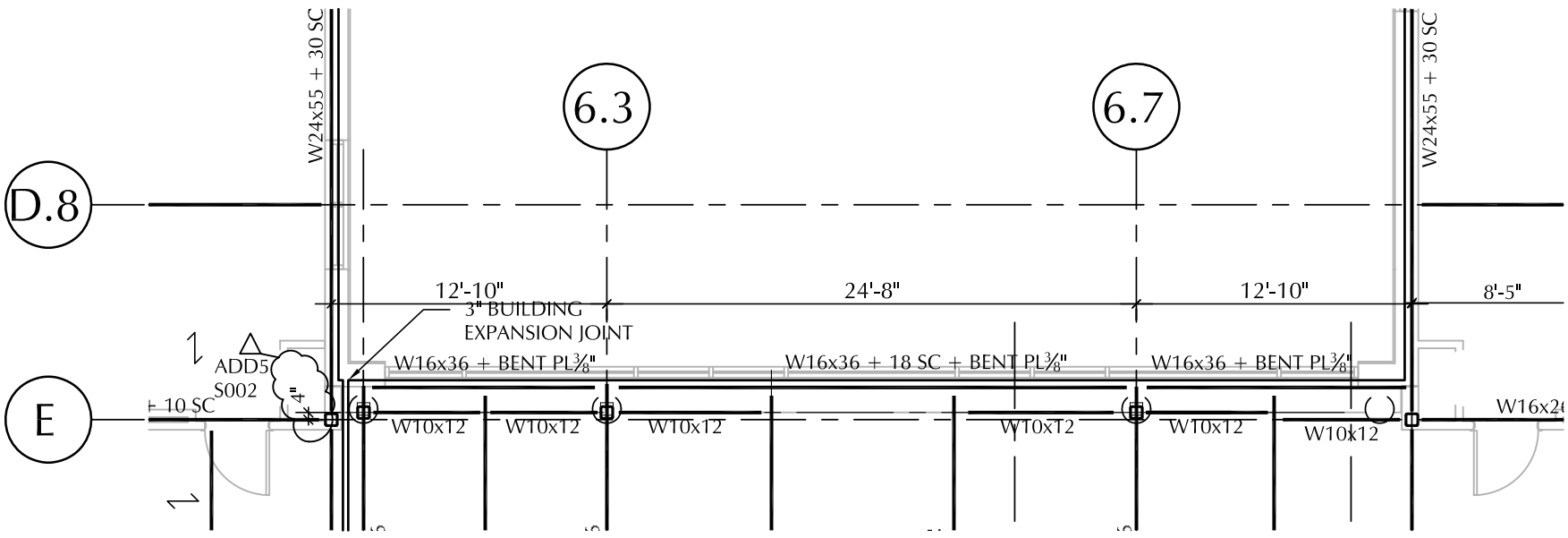
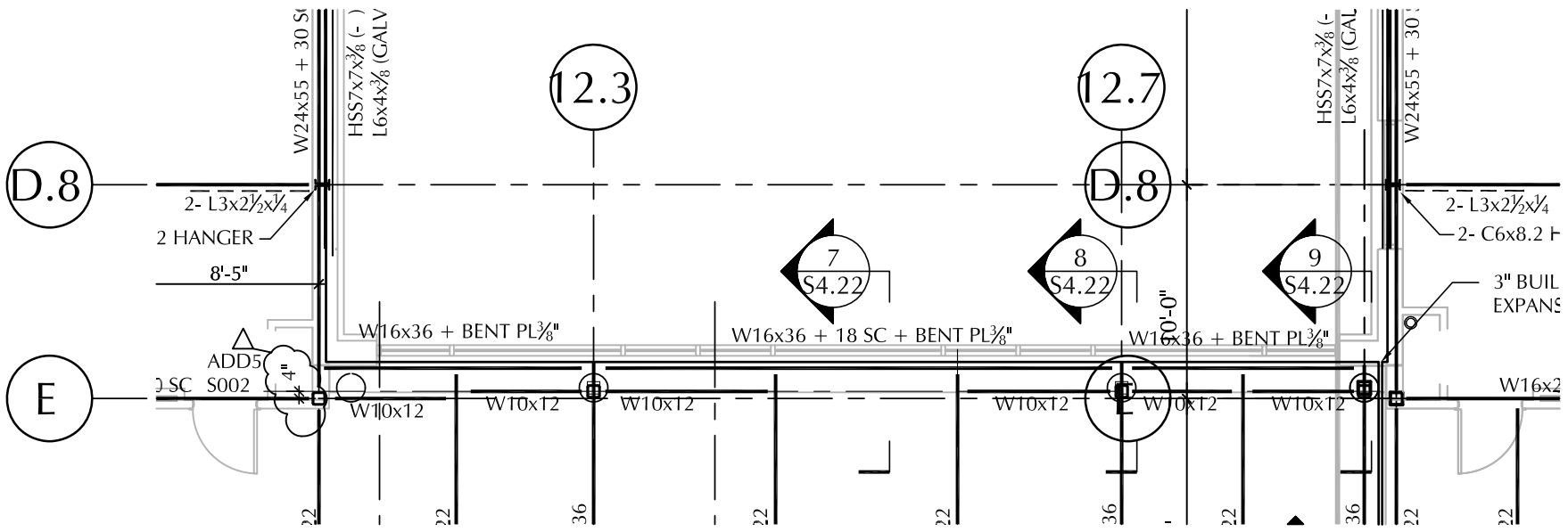


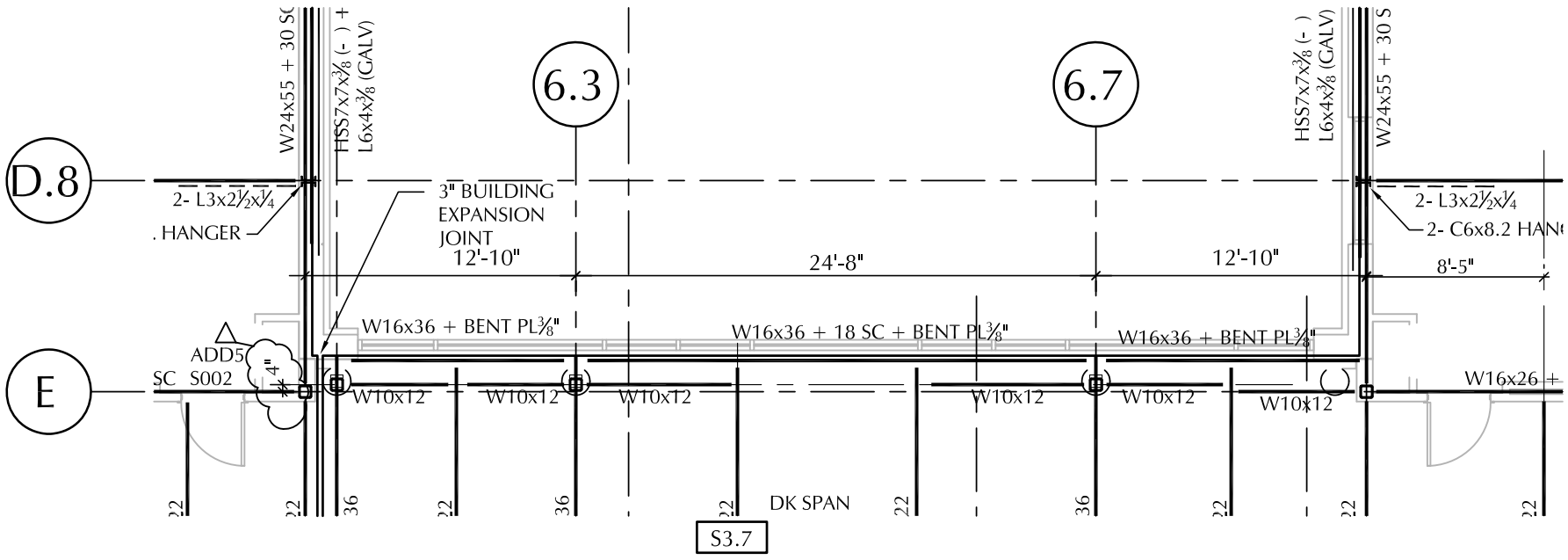
S3.11



S3.11



S3.7



S3.7

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CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

PROJECT TITLE:
EARLY STRUCTURAL BID PACKAGE #3

South High Community School

170 Apricot Street, Worcester, MA 01603

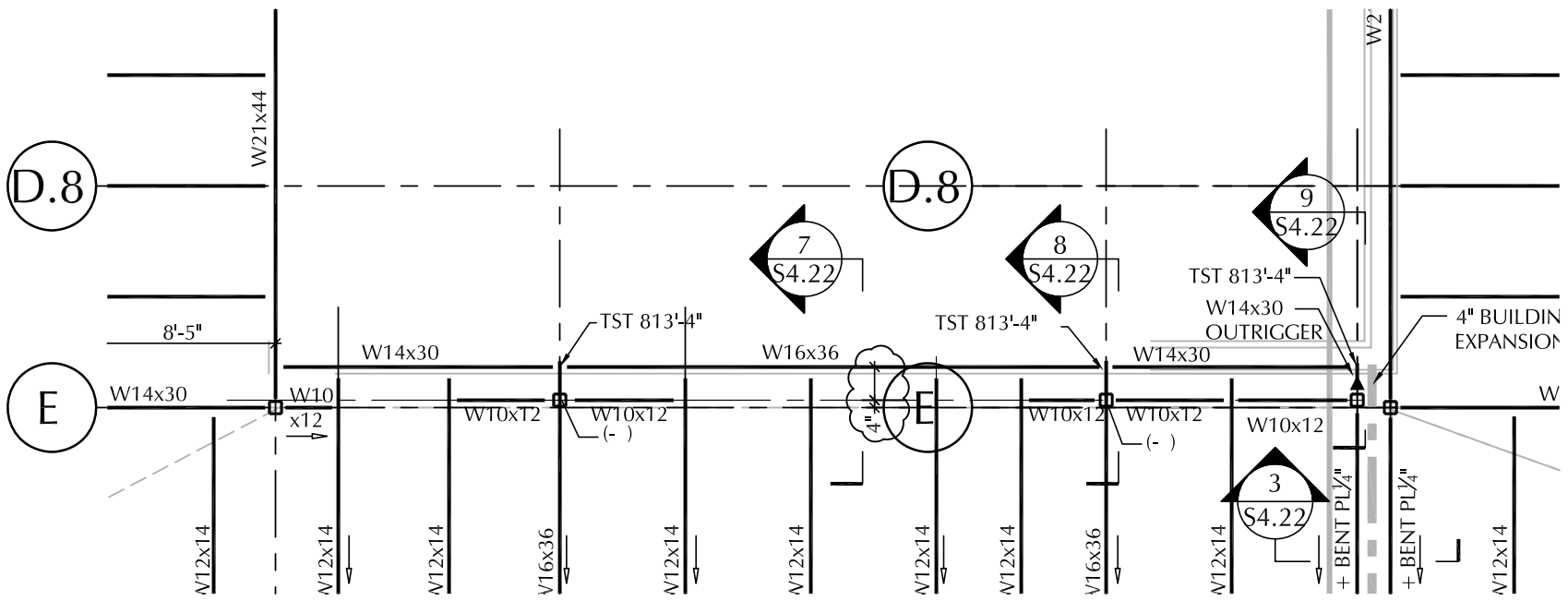
DRAWING NAME:
Curtainwall Dimension Coordination

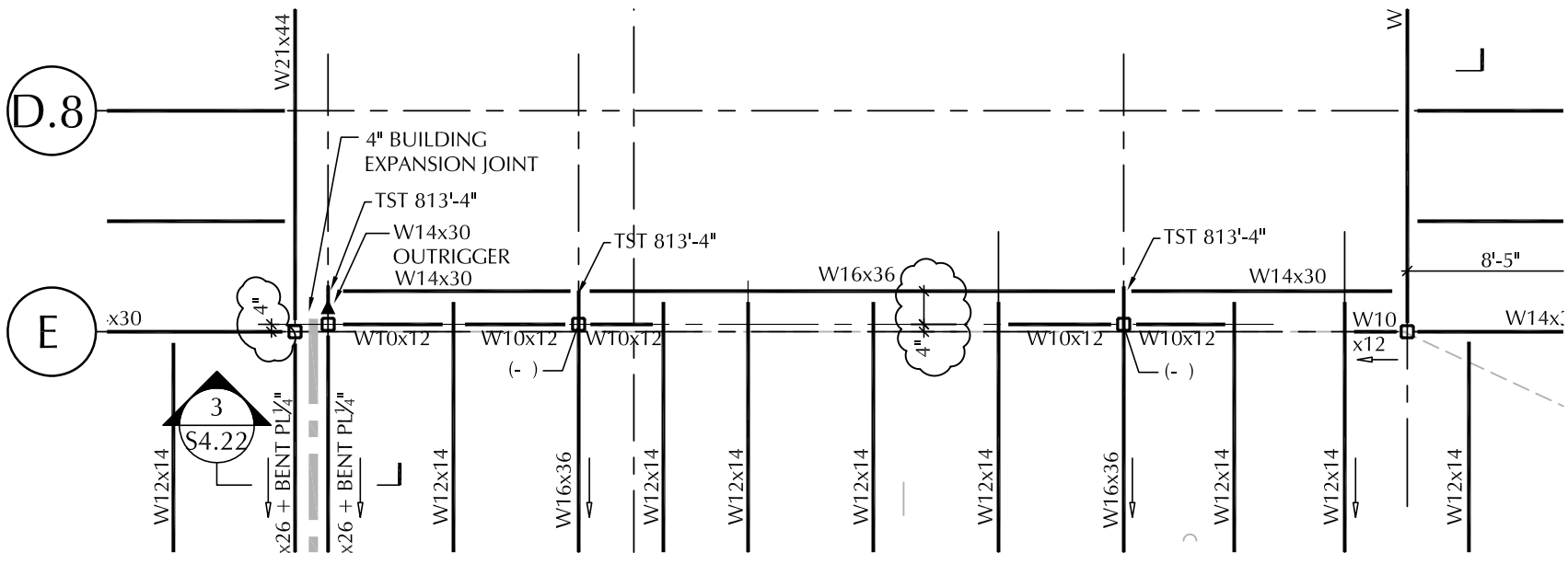
SHEET REF. NO.
S3.7 & S3.11

DATE:
12/27/2018

SCALE:
AS NOTED

DRAWING NUMBER:
ADD-5
S002





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City of Worcester
Massachusetts, 01605

PROJECT TITLE:
EARLY STRUCTURAL BID PACKAGE #3

South High Community School

170 Apricot Street, Worcester, MA 01603

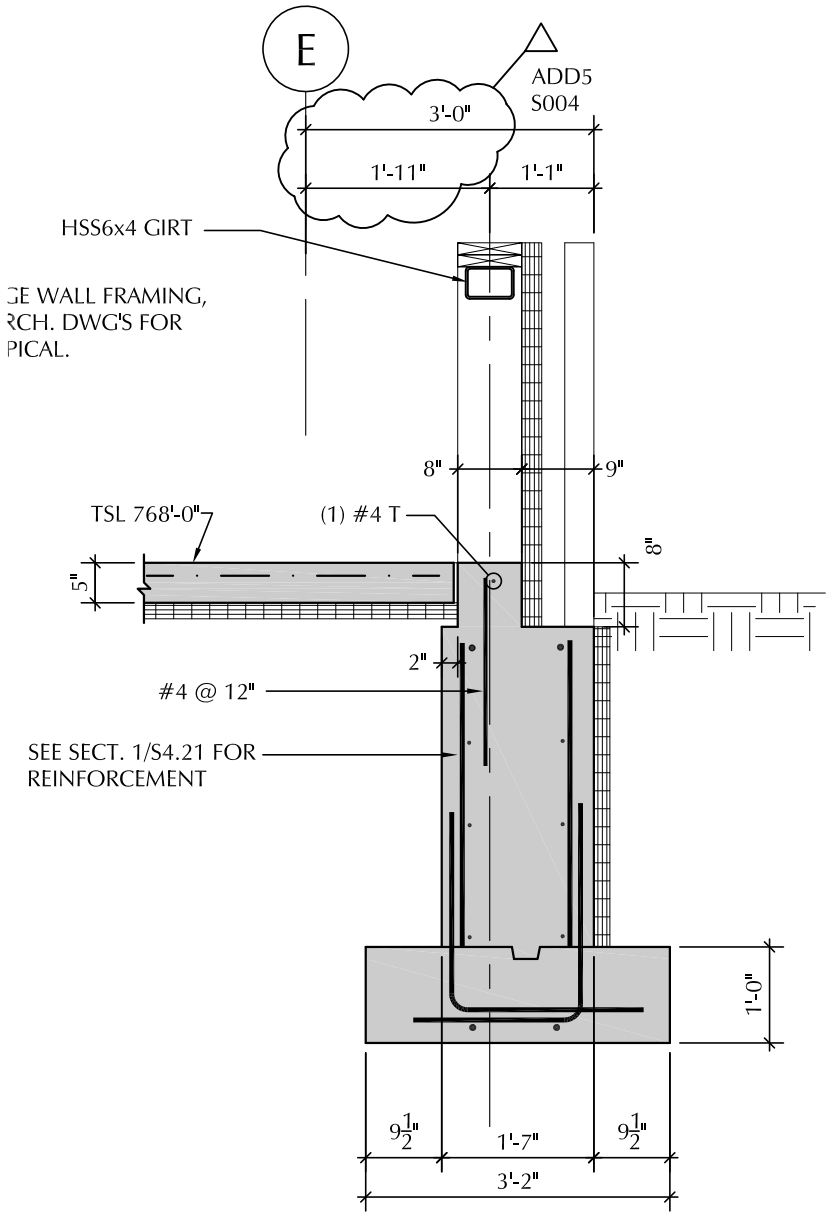
DRAWING NAME:
Curtainwall Dimension Coordination

SHEET REF. NO.
S3.15

DATE:
12/27/2018

SCALE:
AS NOTED

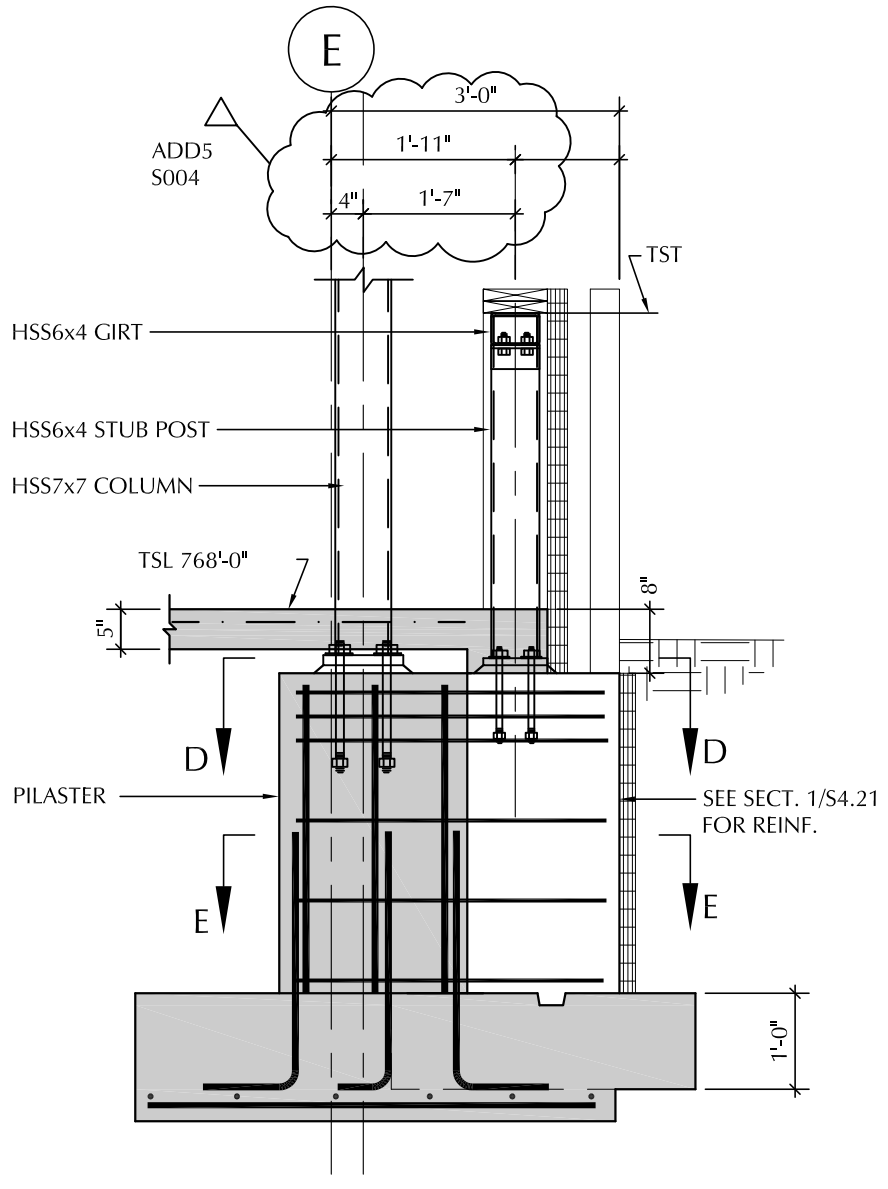
DRAWING NUMBER:
ADD-5
S003



SECTION

SCALE: ½" = 1'-0"

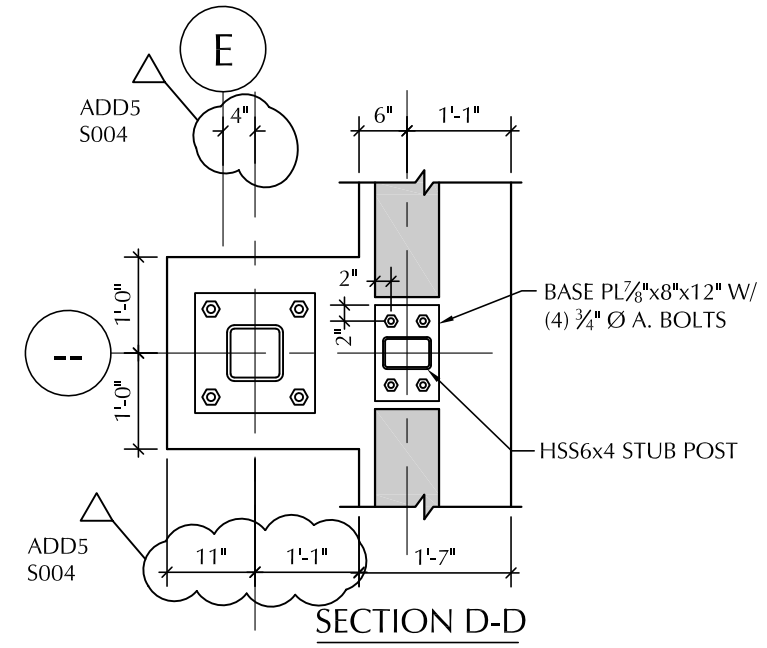
14 / S4.21



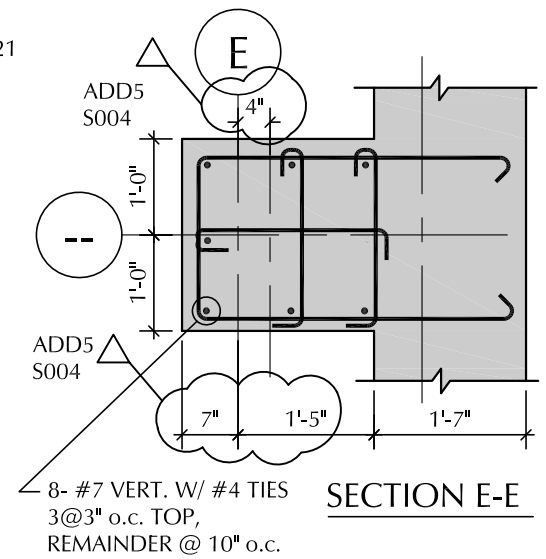
SECTION

SCALE: ½" = 1'-0"

15 / S4.21



SECTION D-D



SECTION E-E

SHEET REF. NO.
S4.21

DRAWING NAME:
Curtainwall Dimension Coordination

DRAWING NUMBER:
ADD-5 / S004

DATE:
12/27/2018

SCALE:
AS NOTED

PROJECT TITLE:
EARLY STRUCTURAL BID PACKAGE #3

South High Community School

170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
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Massachusetts, 01605

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Worcester Public Schools

City of Worcester
Massachusetts, 01605

PROJECT TITLE:
EARLY STRUCTURAL BID PACKAGE #3

South High Community School

170 Apricot Street, Worcester, MA 01603

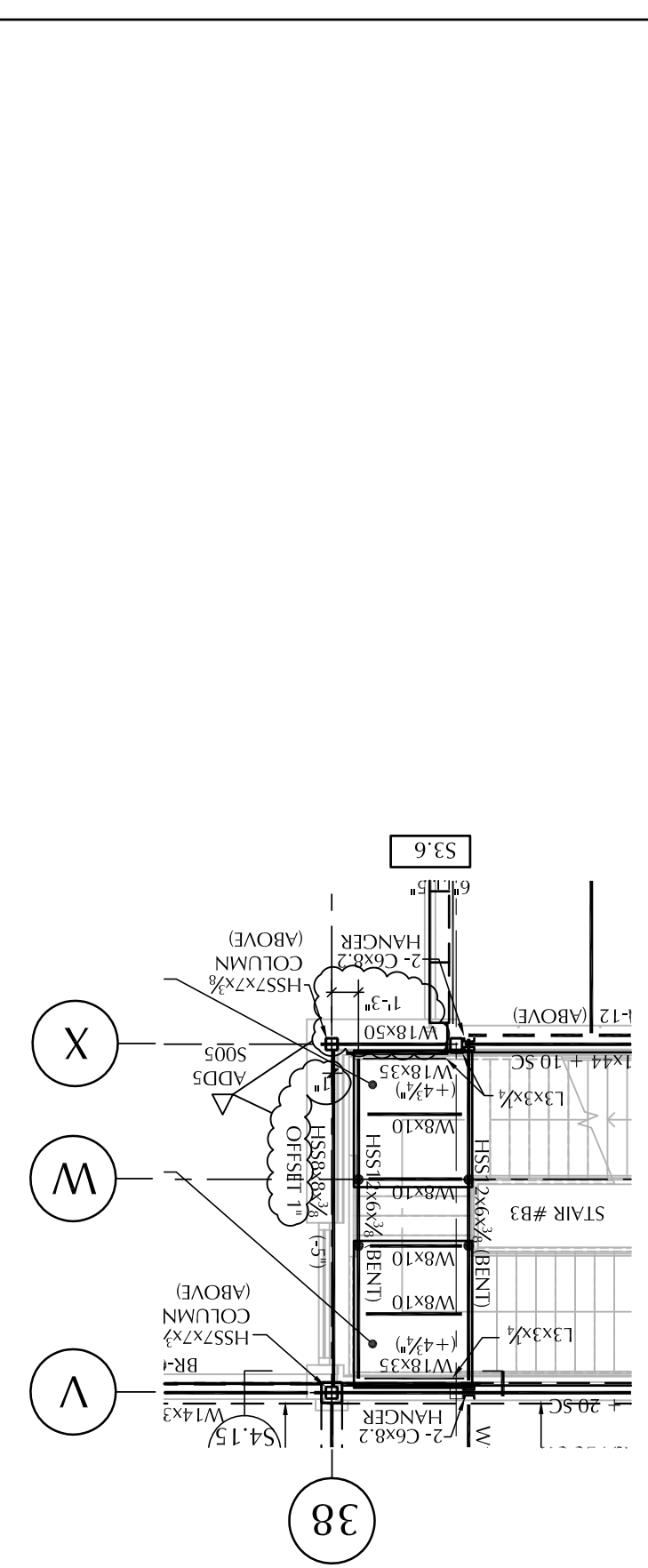
DRAWING NAME:
Stair #B3 and #B4 Coordination

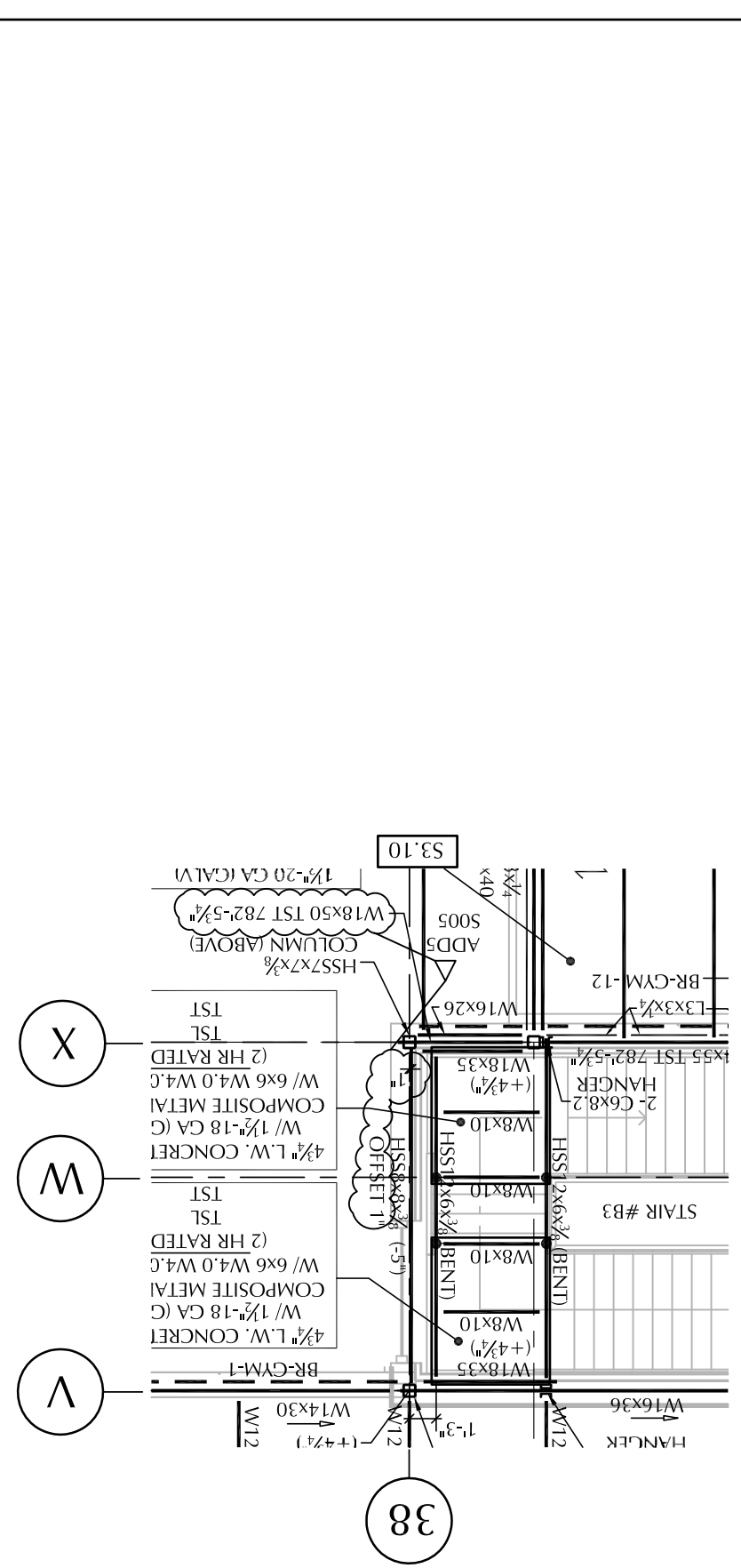
SHEET REF. NO.
S3.7 & S3.11

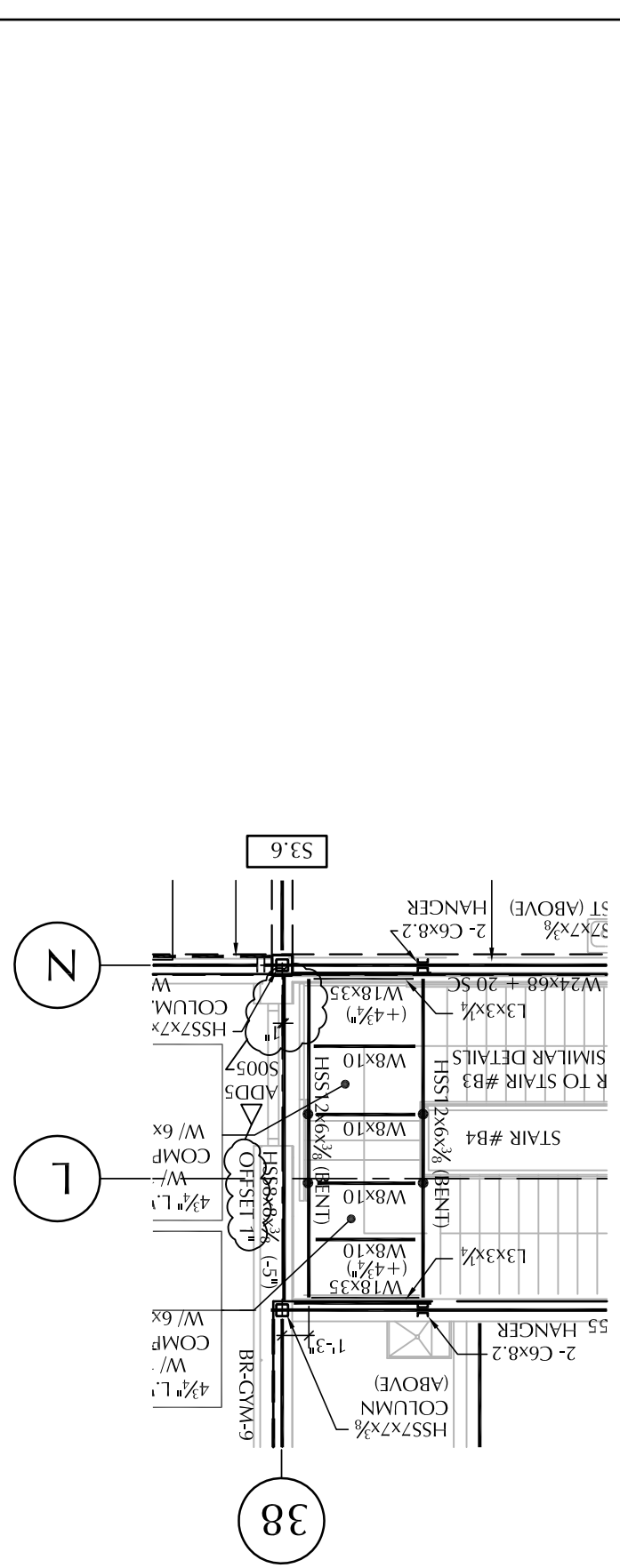
DATE:
12/27/2018

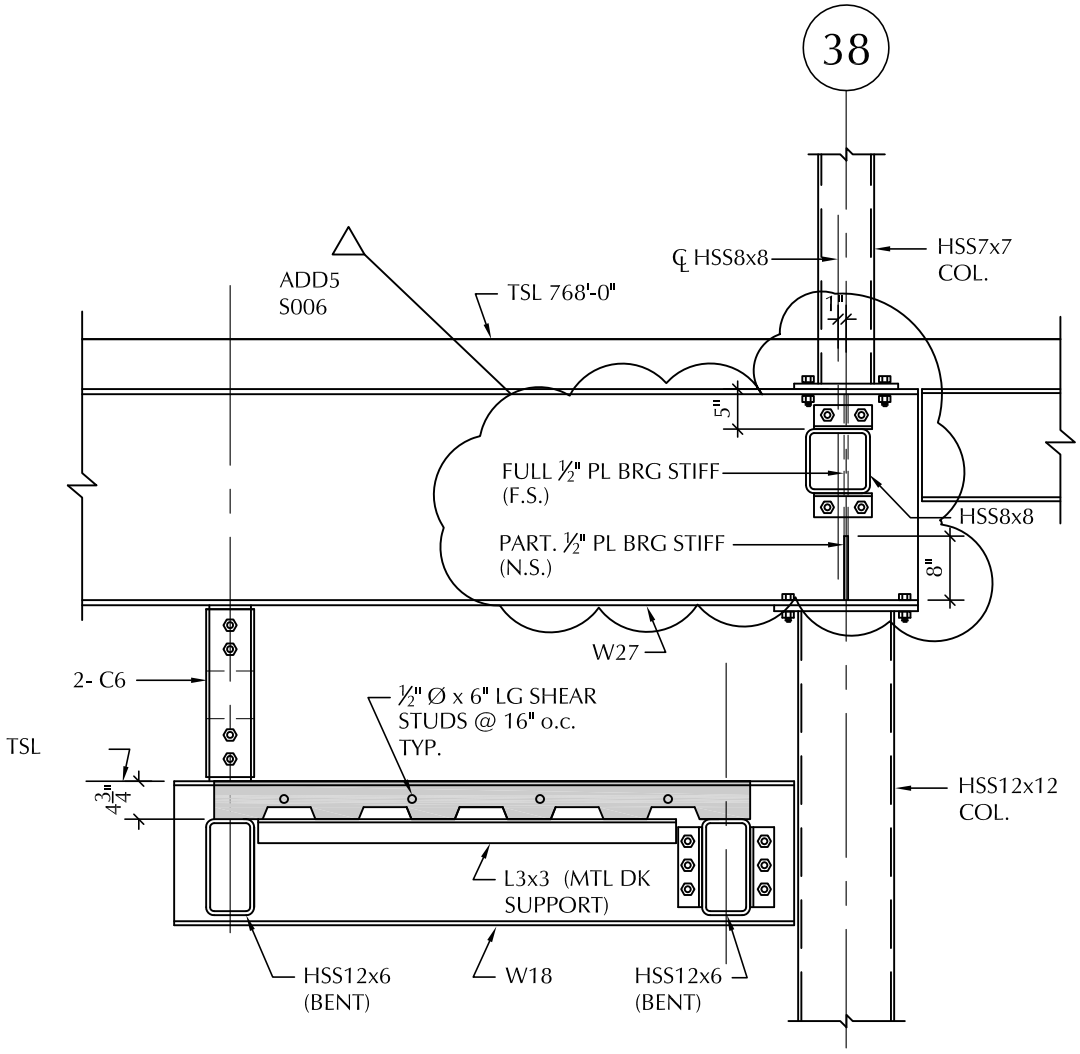
SCALE:
⅛" = 1'-0"

DRAWING NUMBER:
ADD-5
S005









STAIR #B3
(STAIR #B4 SIMILAR)

SECTION 13/S4.15

SCALE: ½" = 1'-0"

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CLIENT INFORMATION:
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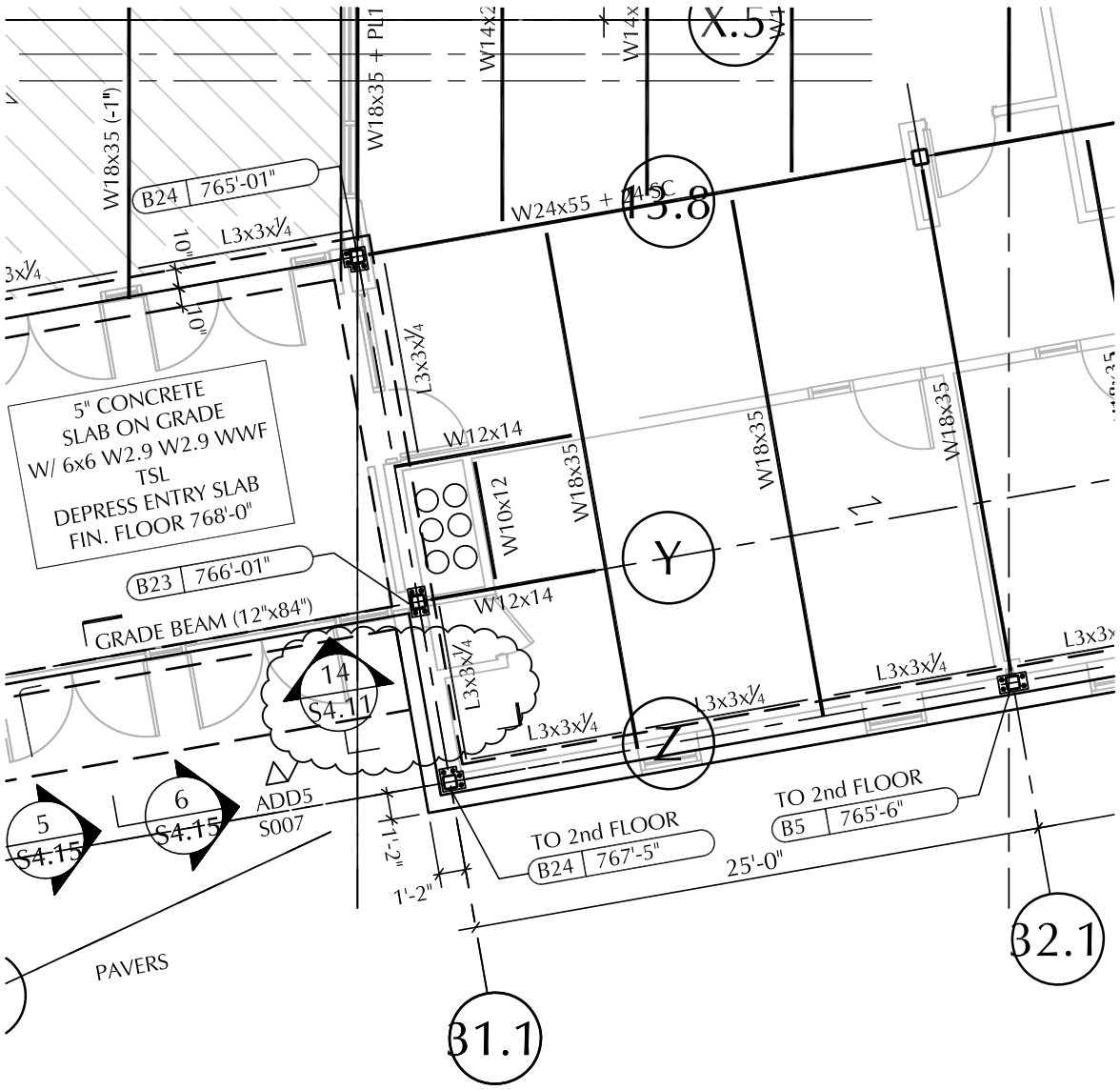
City of Worcester
Massachusetts, 01605

PROJECT TITLE:
EARLY STRUCTURAL BID PACKAGE #3
South High Community School
170 Apricot Street, Worcester, MA 01603

DRAWING NAME: Stair Framing Coordination
SHEET REF. NO. S4.15
DATE: 12/27/2018
SCALE: ½" = 1'-0"
REFERENCE:
DRAWING NUMBER: ADD-5 / S006



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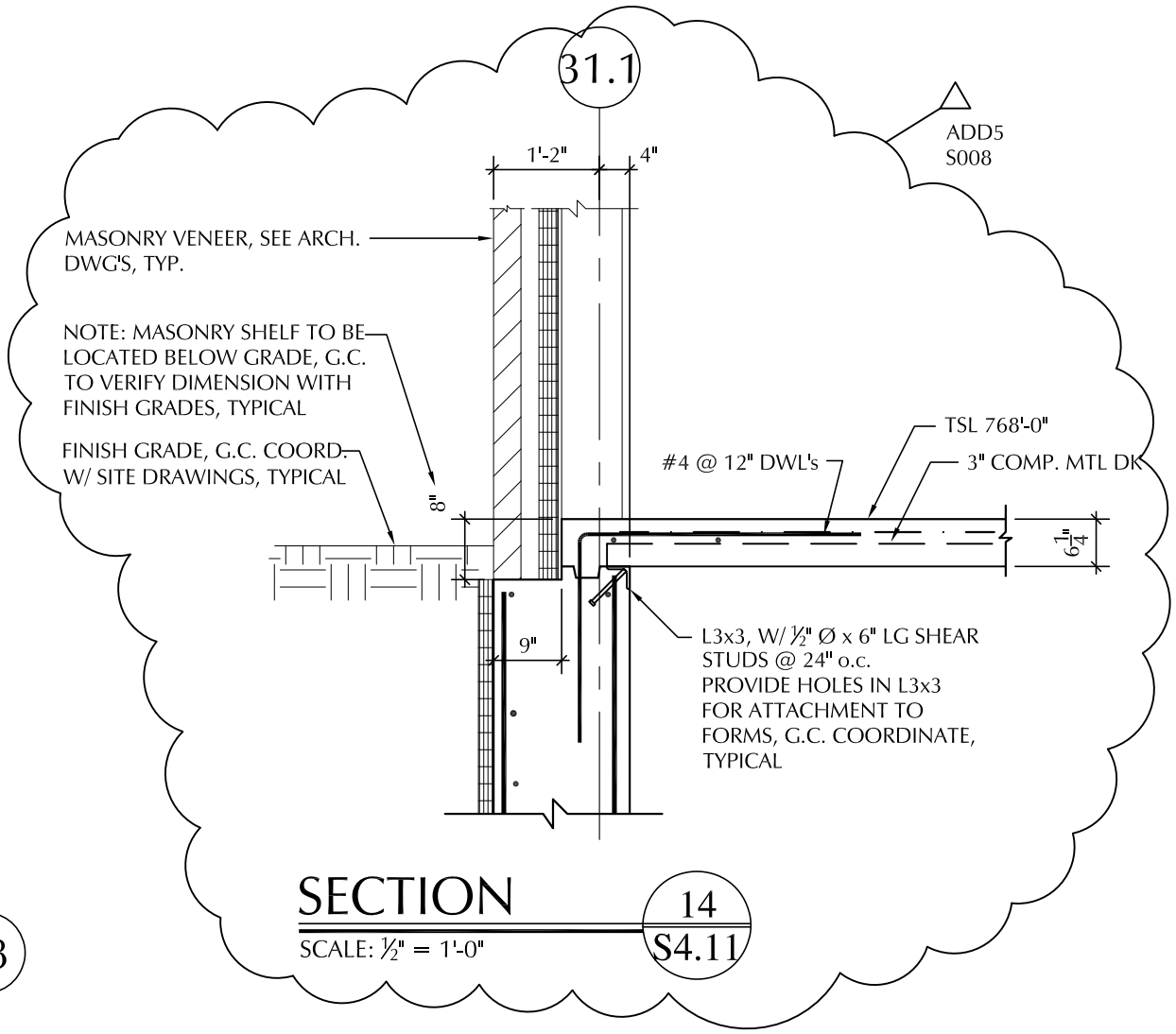
CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

PROJECT TITLE:
EARLY STRUCTURAL BID PACKAGE #3
South High Community School
170 Apricot Street, Worcester, MA 01603

DRAWING NAME: Foundation Wall Detail Coordination
SHEET REF. NO. S3.6
DATE: 12/27/2018
SCALE: ⅛" = 1'-0"
REFERENCE:
DRAWING NUMBER: ADD-5 / S007



SECTION 14 / S4.11

SCALE: ½" = 1'-0"

38

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CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

PROJECT TITLE:
EARLY STRUCTURAL BID PACKAGE #3
South High Community School
170 Apricot Street, Worcester, MA 01603

DRAWING NAME: Foundation Wall Detail

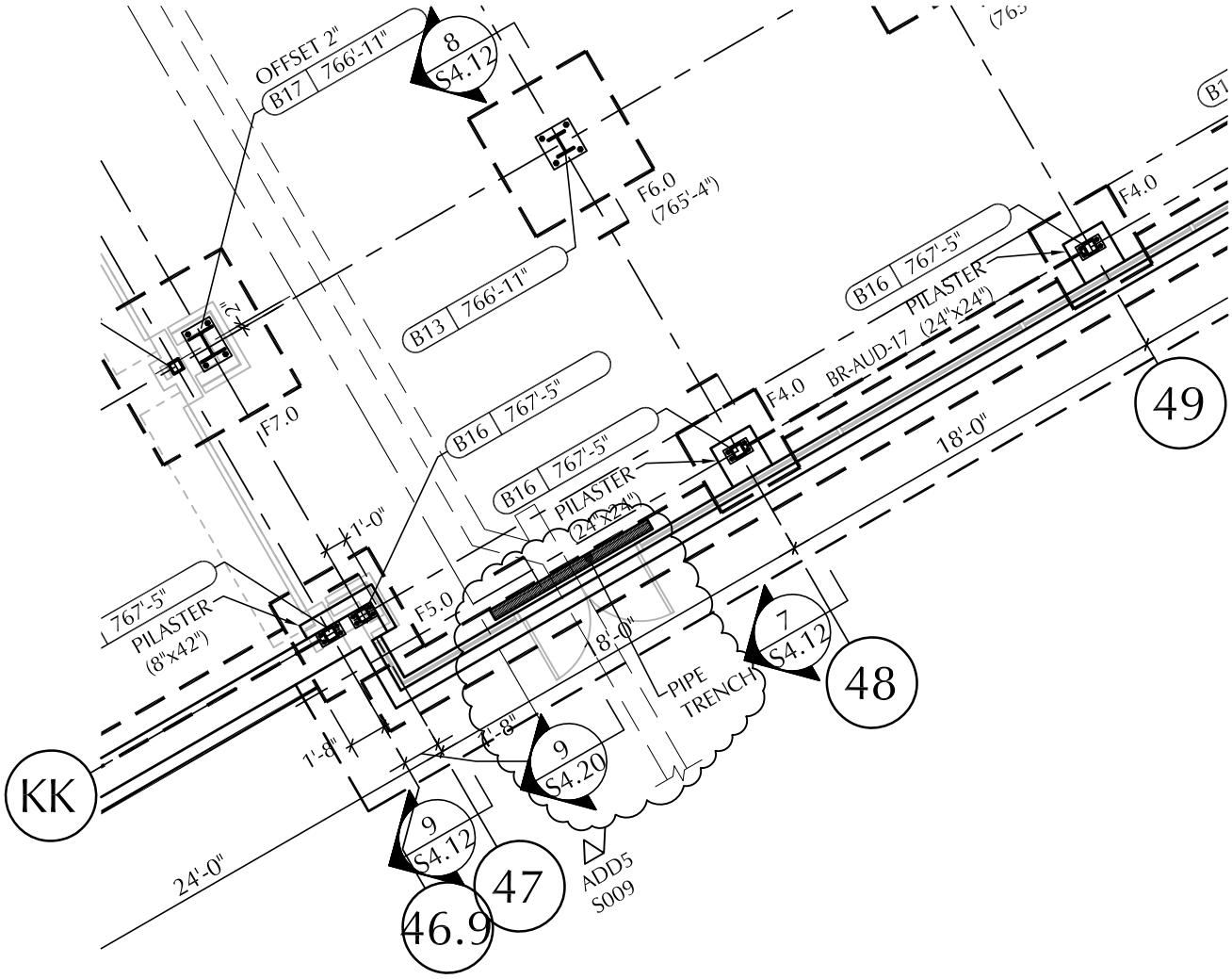
SHEET REF. NO. S4.11

DATE: 12/27/2018

SCALE: ½" = 1'-0"

REFERENCE:

DRAWING NUMBER: ADD-5 / S008



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MEMBER OF THE AMERICAN INSTITUTE OF ARCHITECTS

CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

PROJECT TITLE:
EARLY STRUCTURAL BID PACKAGE #3
South High Community School
170 Apricot Street, Worcester, MA 01603

DRAWING NAME:
Pipe Trench Coordination

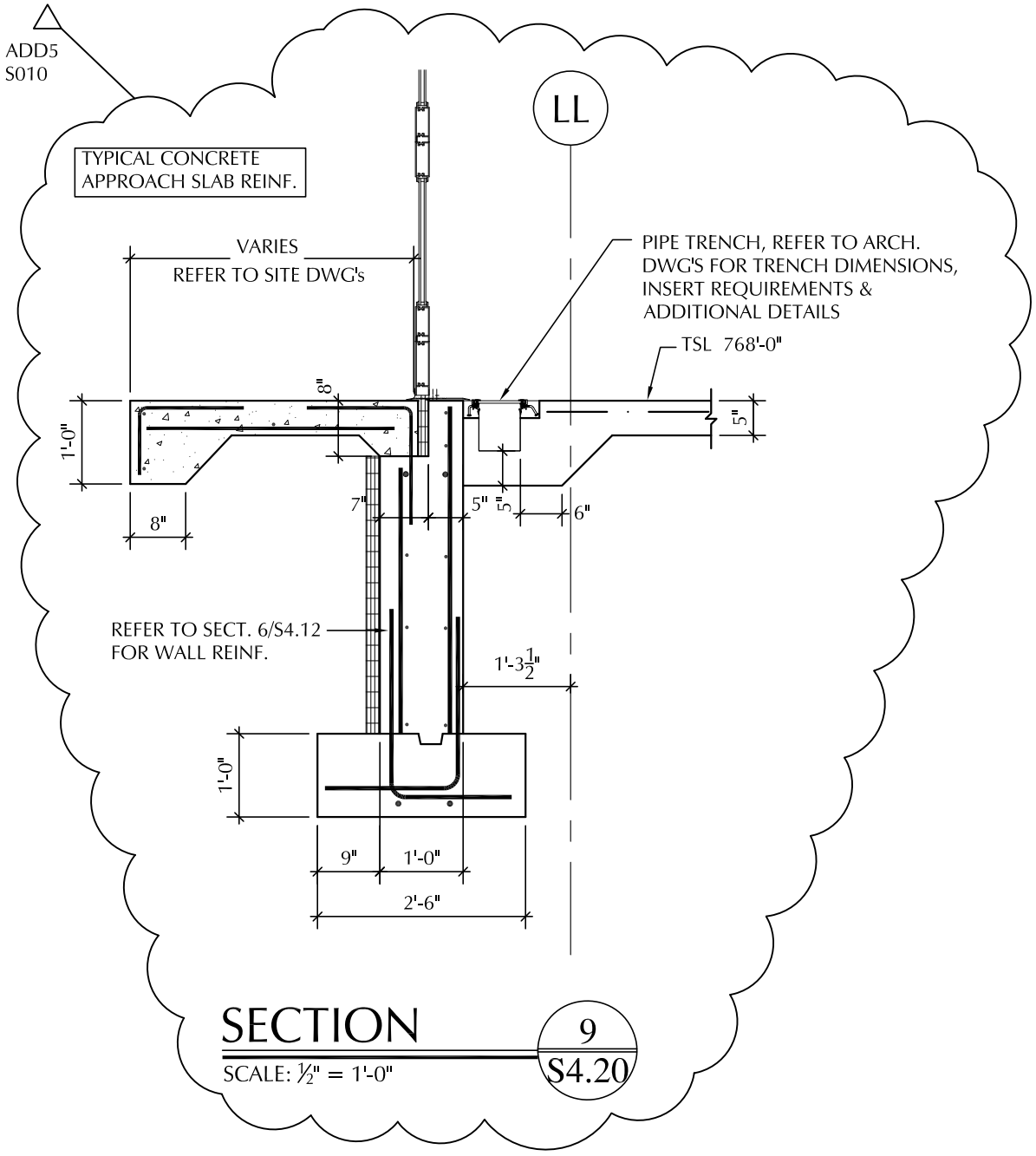
SHEET REF. NO.
S3.4

DATE:
12/27/2018

SCALE:
1/8" = 1'-0"

REFERENCE:

DRAWING NUMBER:
ADD-5
S009



SECTION 9/S4.20

SCALE: ½" = 1'-0"

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WORCESTER, MASSACHUSETTS 01605
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CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

PROJECT TITLE:
EARLY STRUCTURAL BID PACKAGE #3
South High Community School
170 Apricot Street, Worcester, MA 01603

DRAWING NAME: Pipe Trench Coordination

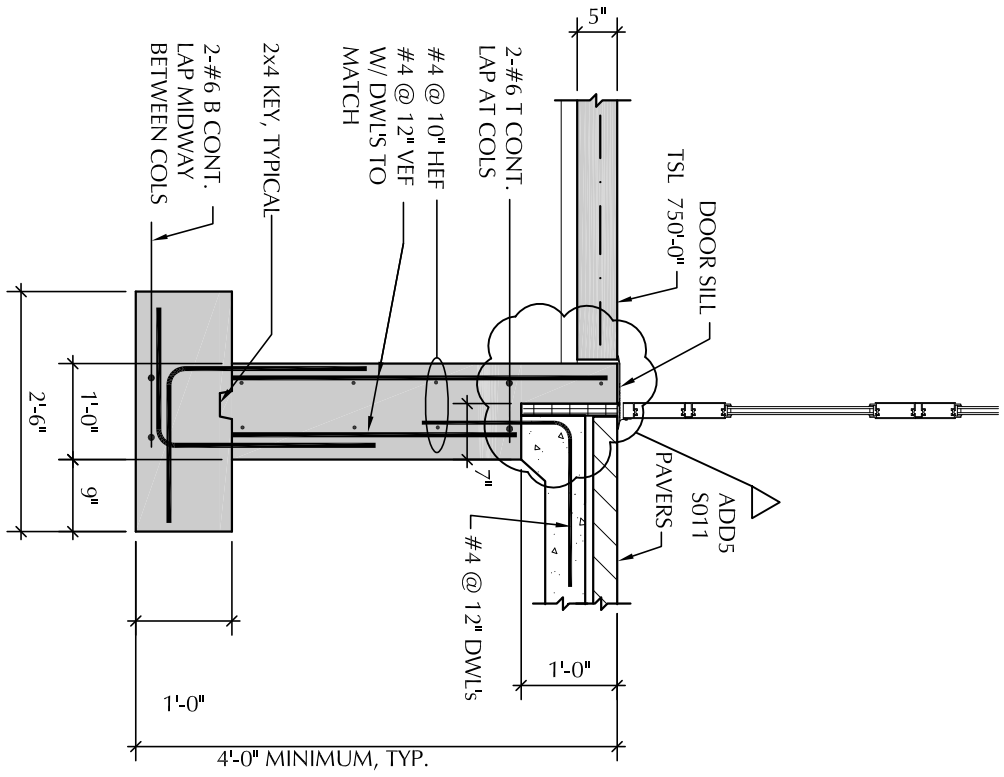
SHEET REF. NO.: S4.20

DATE: 12/27/2018

SCALE: ½" = 1'-0"

REFERENCE:

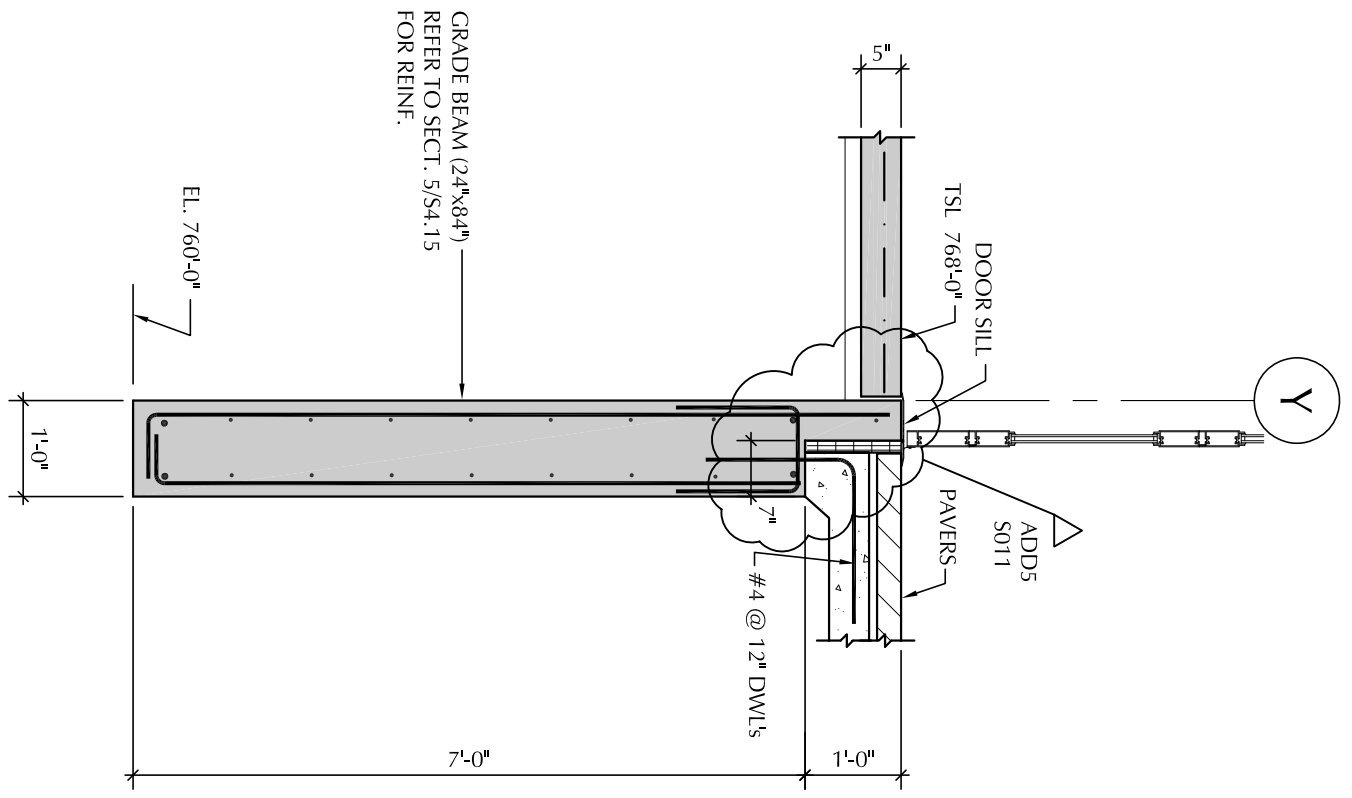
DRAWING NUMBER:
ADD-5
S010



SECTION

SCALE: ½" = 1'-0"

2A
S4.14



SECTION

SCALE: ½" = 1'-0"

6
S4.15

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CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

PROJECT TITLE:
EARLY STRUCTURAL BID PACKAGE #3

South High Community School

170 Apricot Street, Worcester, MA 01603

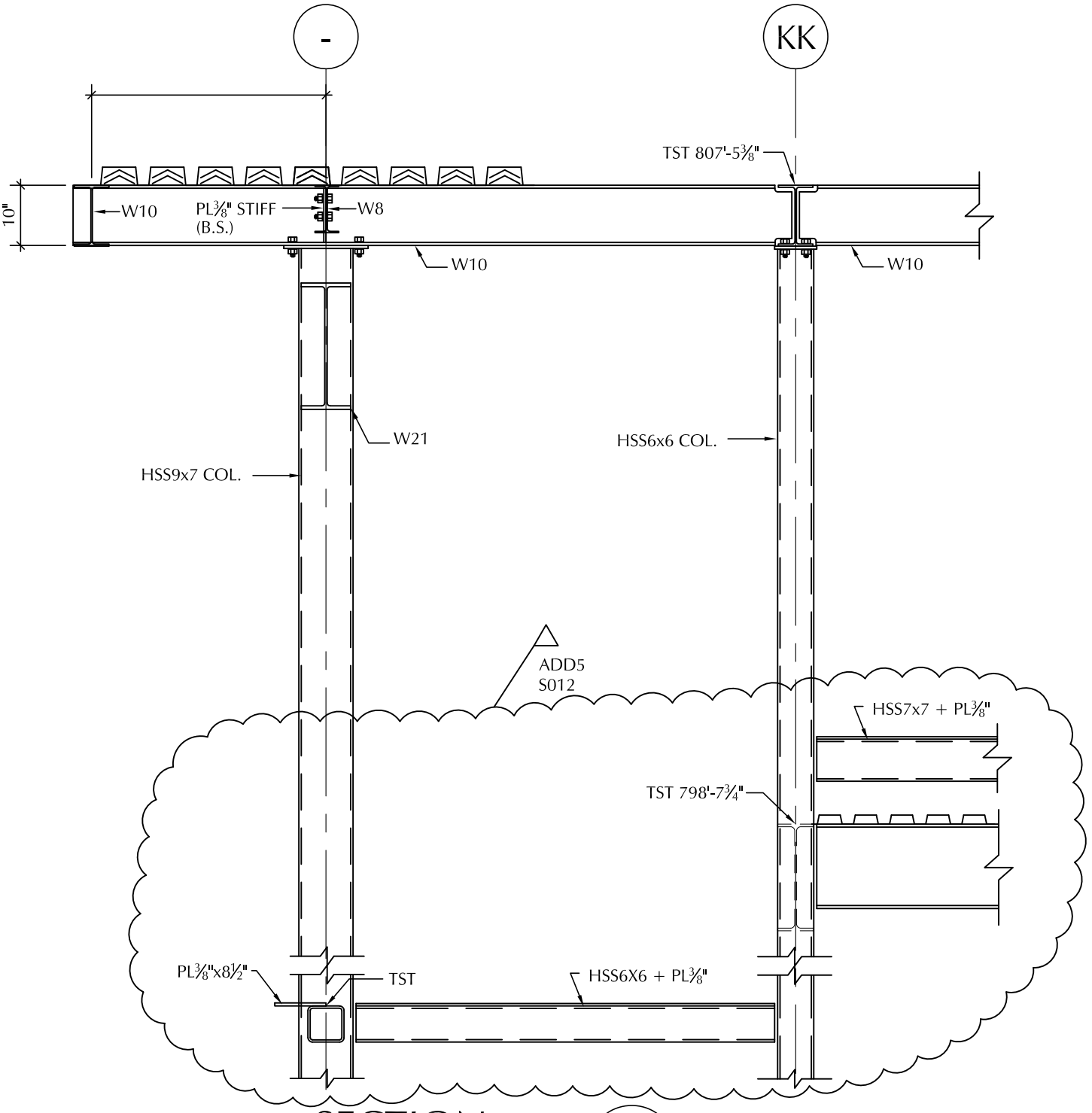
DRAWING NAME:
Foundation Wall Detail Coordination

SHEET REF. NO.
S4.14 & S4.15

DATE:
12/27/2018

SCALE:
AS NOTED

DRAWING NUMBER:
ADD-5
S011



SECTION

SCALE: ½" = 1'-0"

16
S4.22

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CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

PROJECT TITLE:
EARLY STRUCTURAL BID PACKAGE #3
South High Community School
170 Apricot Street, Worcester, MA 01603

DRAWING NAME: Girt Elevation Coordination

SHEET REF. NO. S4.22

DATE: 12/27/2018

SCALE: ½" = 1'-0"

REFERENCE:

DRAWING NUMBER: ADD-5 / S012

NOTE: REFER TO ARCHITECTURAL, LANDSCAPE AND ELECTRICAL DRAWINGS FOR LOCATIONS AND GEOMETRY OF NEW CONCRETE BLAST WALLS, GENERATOR PADS, & TRANSFORMER PADS. G.C. TO COORDINATE SUPPORTED EXCAVATION AT NEW CONCRETE BLAST WALLS ADJACENT TO EXISTING TRANSFORMER & GENERATOR PADS, TYPICAL.

¾" CHAMFER, TYP.

CONCRETE BLAST WALL WITH EXPOSED CONCRETE. PROVIDE CONES W/ PLUGS AT FORM TIES. FINISH WALL W/ RUBBED FINISH

ADD5
S013

#5 @ 12" H&V EF

NOTE: TRANSFORMER PADS AND BLAST WALLS REQUIRED AT BOTH NEW SOUTH HIGH SCHOOL & EXISTING SULLIVAN MIDDLE SCHOOL, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

SEE SITE DRAWINGS FOR GENERATOR SLAB DIMENSIONS

¾" CHAMFER, TYP.

1'-0"

4"

#5@12" T&B E.W. TYPICAL

SEE SITE DRAWINGS FOR TRANSFORMER SLAB DIMENSIONS

1'-0"

4"

#5@12" T&B E.W.

#5 @ 12" H&V EF

4'-0" (MIN)

1'-0"

1'-0"

3'-0"

3-#5 B CONT.

SECTION THRU GENERATOR & TRANSFORMER PADS WITH CONCRETE BLAST WALL

SCALE: ½" = 1'-0"

SHEET REF. NO. S7.3

DRAWING NAME: Concrete Blast Wall & Transformer/ Generator Pad Coordination

DRAWING NUMBER: ADD-5 / S013

DATE: 12/27/2018

SCALE: AS NOTED

PROJECT TITLE:

EARLY STRUCTURAL BID PACKAGE #3

South High Community School

170 Apricot Street, Worcester, MA 01603

CLIENT INFORMATION:
Worcester Public Schools

City of Worcester
Massachusetts, 01605

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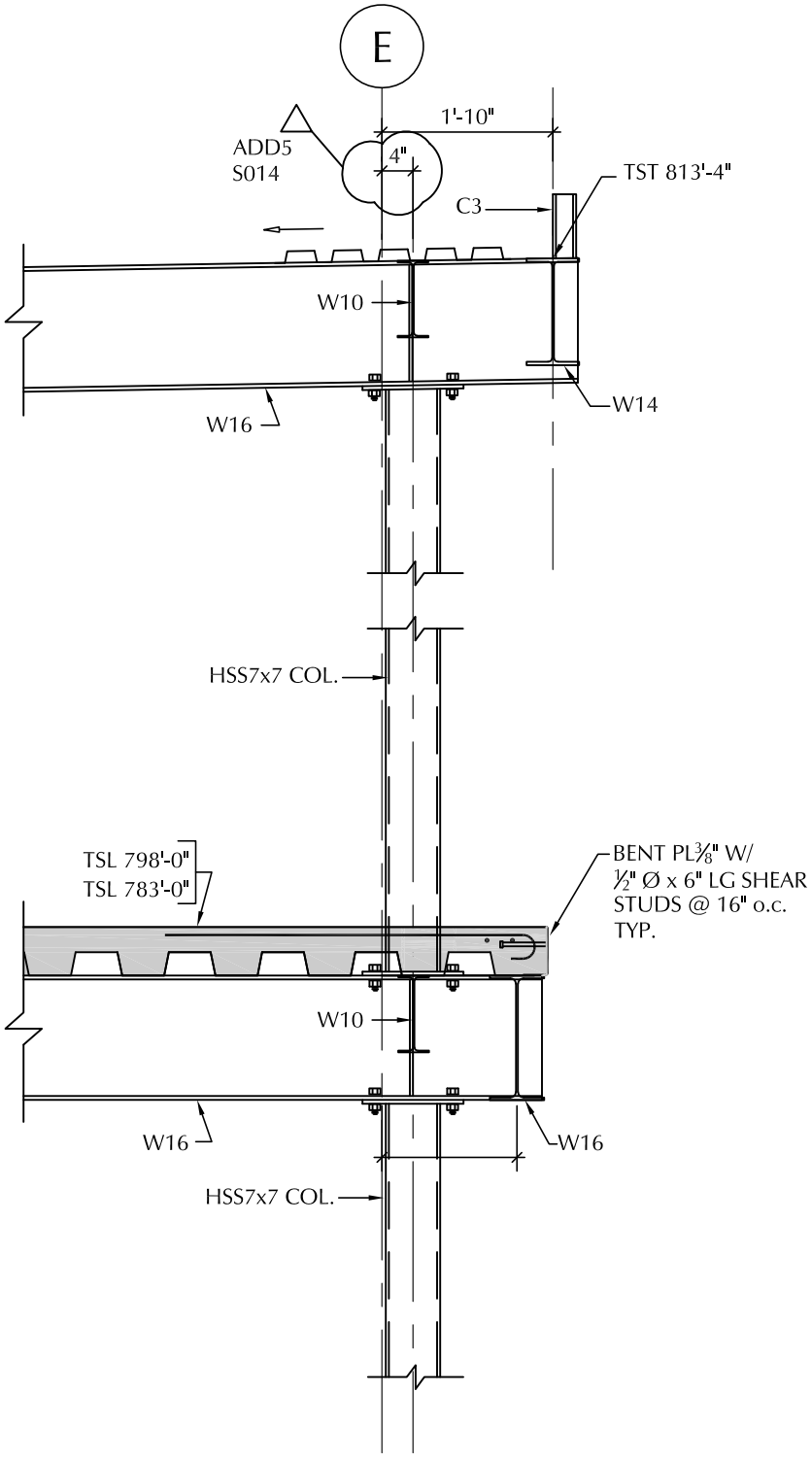
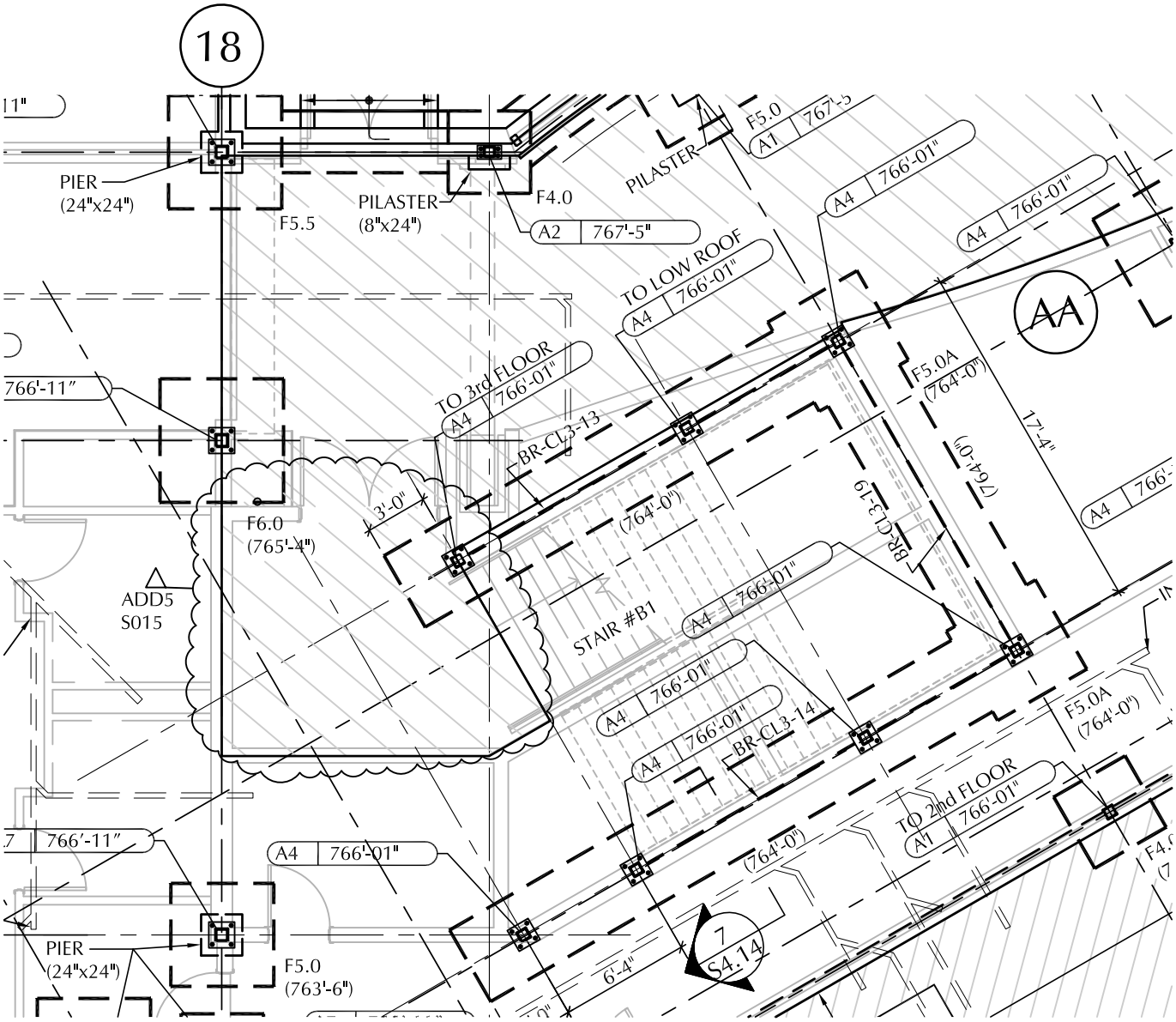


SECTION

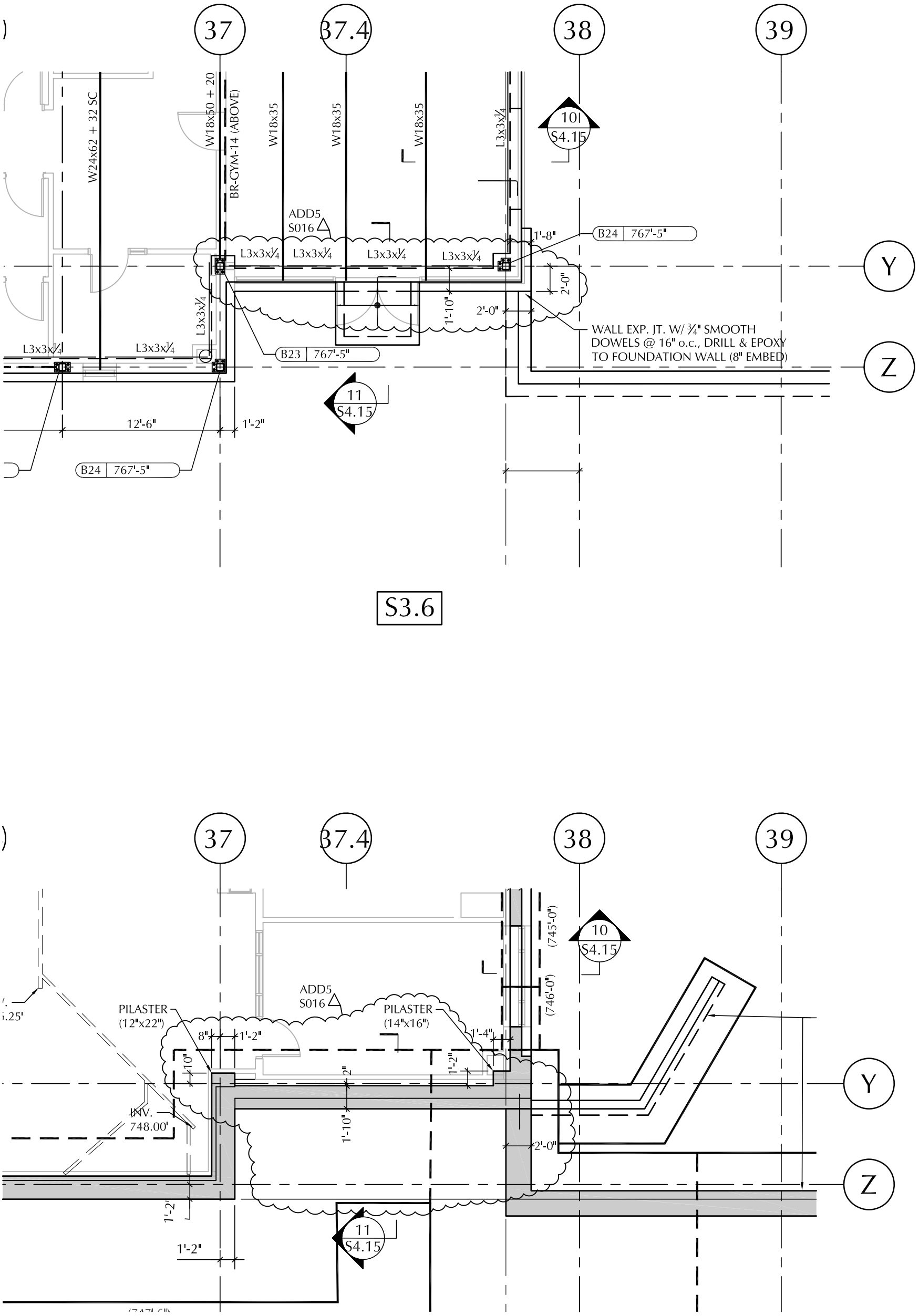
SCALE: ½" = 1'-0"

8
S4.22

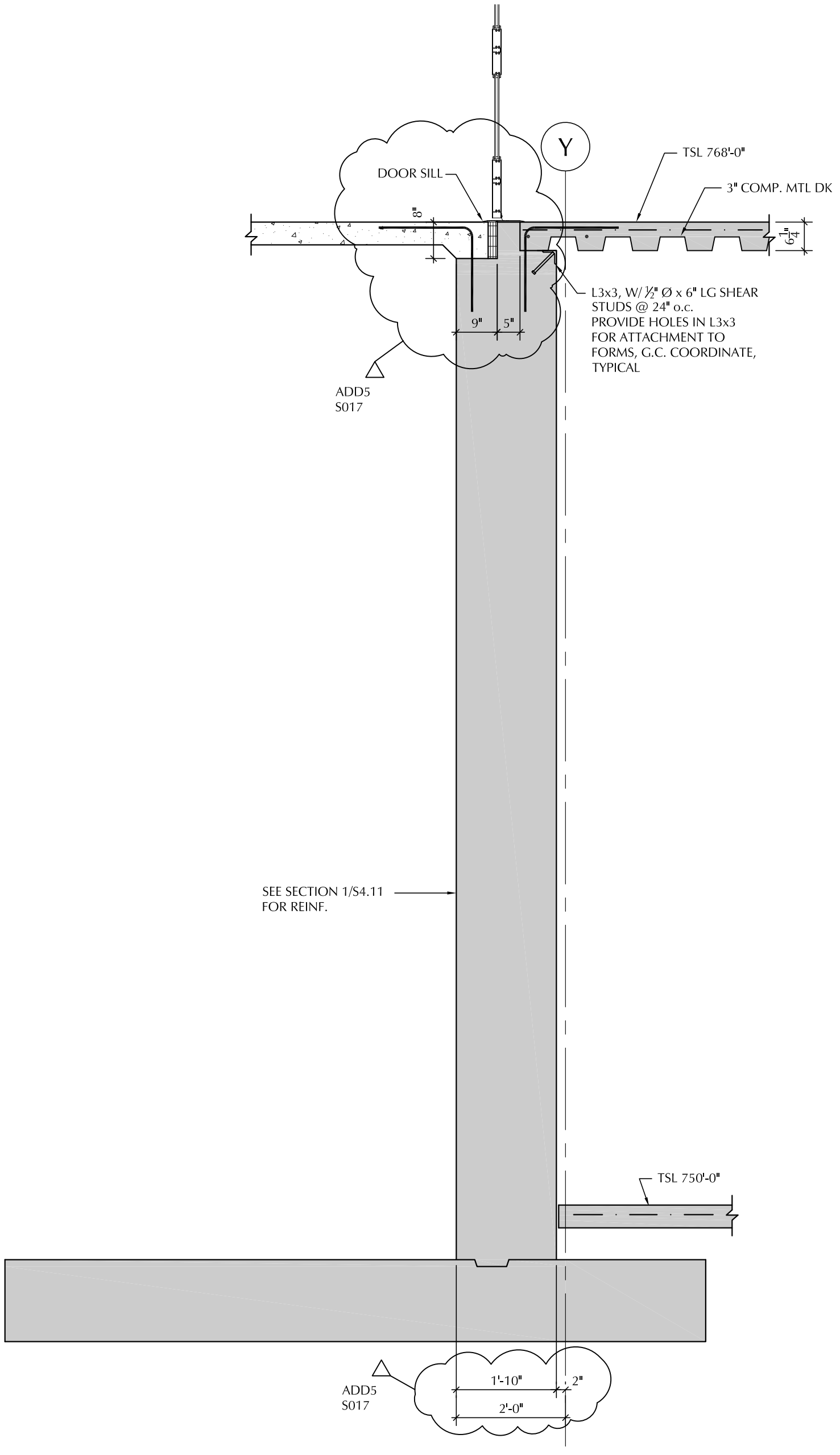
LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS 108 GROVE STREET, SUITE 300 WORCESTER, MASSACHUSETTS 01605 MEMBER OF THE AMERICAN INSTITUTE OF ARCHITECTS	CLIENT INFORMATION: Worcester Public Schools City of Worcester Massachusetts, 01605	PROJECT TITLE: EARLY STRUCTURAL BID PACKAGE #3 South High Community School 170 Apricot Street, Worcester, MA 01603	DRAWING NAME: Curtainwall Dimension Coordination DATE: 12/27/2018 SCALE: As Noted REFERENCE:	SHEET REF. NO. S4.22 DRAWING NUMBER: ADD-5 S014



LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS 108 GROVE STREET, SUITE 300 WORCESTER, MASSACHUSETTS 01605 MEMBER OF THE AMERICAN INSTITUTE OF ARCHITECTS	CLIENT INFORMATION: Worcester Public Schools City of Worcester Massachusetts, 01605	PROJECT TITLE: EARLY STRUCTURAL BID PACKAGE #3 South High Community School 170 Apricot Street, Worcester, MA 01603	DRAWING NAME: Slab-on-Grade Depression Coordination DATE: 12/27/2018 SCALE: 1/8" = 1'-0" REFERENCE:	SHEET REF. NO. S3.4 DRAWING NUMBER: ADD-5 S015



LAMOUREUX PAGANO ASSOCIATES. ARCHITECTS 108 GROVE STREET, SUITE 300 WORCESTER, MASSACHUSETTS 01605 MEMBER OF THE AMERICAN INSTITUTE OF ARCHITECTS	CLIENT INFORMATION: Worcester Public Schools City of Worcester Massachusetts, 01605	PROJECT TITLE: EARLY STRUCTURAL BID PACKAGE #3 South High Community School 170 Apricot Street, Worcester, MA 01603	DRAWING NAME: Foundation Wall Dimension Coordination DATE: 12/27/2018 SCALE: AS NOTED	SHEET REF. NO. S3.2 & S3.6 DRAWING NUMBER: ADD-5 S016



SECTION 11 / S4.15

SCALE: ½" = 1'-0"

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108 GROVE STREET, SUITE 300
WORCESTER, MASSACHUSETTS 01605
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CLIENT INFORMATION:
Worcester Public Schools
City of Worcester
Massachusetts, 01605

PROJECT TITLE:
EARLY STRUCTURAL BID PACKAGE #3

South High Community School

170 Apricot Street, Worcester, MA 01603

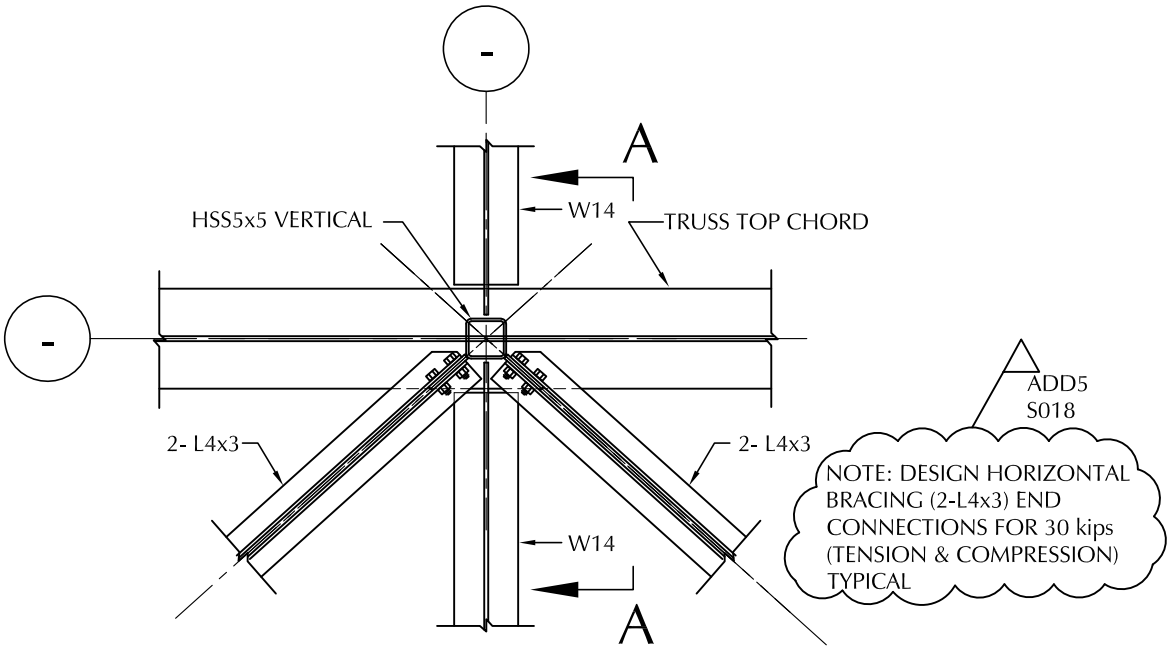
DRAWING NAME: Curtainwall Dimension Coordination

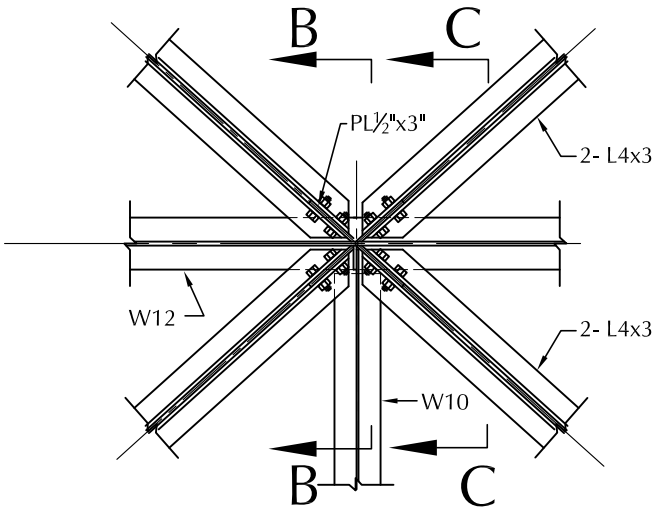
SHEET REF. NO. S4.15

DATE: 12/27/2018

SCALE: AS NOTED

DRAWING NUMBER: ADD-5 / S017





(REFLECTED PLAN)

PLAN A/S6.1

½" = 1'-0"

LAMOUREUX PAGANO ASSOCIATES, ARCHITECTS 108 GROVE STREET, SUITE 300 WORCESTER, MASSACHUSETTS 01605 MEMBER OF THE AMERICAN INSTITUTE OF ARCHITECTS	CLIENT INFORMATION: Worcester Public Schools City of Worcester Massachusetts, 01605	PROJECT TITLE: EARLY STRUCTURAL BID PACKAGE #3 South High Community School 170 Apricot Street, Worcester, MA 01603	DRAWING NAME: Horizontal Bracing Connection Coordination DATE: 12/27/2018 SCALE: As Noted REFERENCE:	SHEET REF. NO. S6.1 DRAWING NUMBER: ADD-5 S018