

**ADDENDUM  
NO. 3**

**March 22, 2021**

**SCHOOL CITY OF HAMMOND -  
HAMMOND CENTRAL HIGH SCHOOL  
BID PACKAGE 3 - ATHLETIC FIELDS AND DEMOLITION  
Hammond, IN 46320**

**TO: ALL BIDDERS OF RECORD**

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated February 17, 2021 by Schmidt Associates. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 3-1 through ADD 3-2 and attached Addendum No. 3 from Schmidt Associates dated March 19, 2021 and consisting of two (2) pages, Specification Sections 132 11 23.99 - Recycled Crushed Concrete Base, and seven (7) drawings.

**A. SPECIFICATION SECTION 00 00 20 - TABLE OF CONTENTS**

**1. Add:**

Section 32 11 23.99 – RECYCLED CRUSING CONCRETE BASE COARSE

**B. SPECIFICATION SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY**

**Under 3.03 Bid Categories make the following adjustments:**

**1. BID CATEGORY NO. 1 - SITEWORK/UTILITIES/PAVING**

**a. Add:**

Section 32 11 23.99 – RECYCLED CRUSING CONCRETE BASE COARSE

- b. **Add:**

**Clarification No. 11:**

Regarding Specification Section 32 11 23.99 – Recycled Crushed Concrete Base Coarse; it is anticipated that this operation will yield 3,000 yards of a gradation equal to an INDOT # 53 coarse aggregate. The **Bid Category No. 1 Contractor** is responsible to crush and stockpile onsite for the future subbase material located at the new east parking lot. The **Bid Category No. 2 Contractor** is responsible to install this stockpiled material under the new parking lot per the specification. The **Bid Category No. 2 Contractor** is responsible to provide all of the remaining stone aggregate subbase for the parking lots as part of base bid. The **Bid Category No. 1 Contractor** is responsible to remove all excess crushed material offsite at no cost to the owner.

2. **BID CATEGORY NO. 2 - SITEWORK/UTILITIES/PAVING**

- a. **Add:**

Section 32 11 23.99 – RECYCLED CRUSING CONCRETE BASE COARSE

- b. **Add:**

**Clarification No. 20:**

Regarding Specification Section 32 11 23.99 – Recycled Crushed Concrete Base Coarse; it is anticipated that this operation will yield 3,000 yards of a gradation equal to an INDOT #53 coarse aggregate. The **Bid Category No. 1 Contractor** is responsible to crush and stockpile onsite for the future subbase material located at the new east parking lot. The **Bid Category No. 2 Contractor** is responsible to install this stockpiled material under the new parking lot per the specification. The **Bid Category No. 2 Contractor** is responsible to provide all of the remaining stone aggregate subbase for the parking lots as part of base bid. The **Bid Category No. 1 Contractor** is responsible to remove all excess crushed material offsite at no cost to the owner.

# **ADDENDUM NO. 3**

## **MARCH 19, 2021**

PREPARED BY SCHMIDT ASSOCIATES FOR:  
**HAMMOND ATHLETIC FIELDS**  
**HAMMOND, SCHOOL CITY OF**

This Addendum consists of 2 Addendum pages and 15 attachment pages totaling 17 pages.

Acknowledge receipt of this Addendum by inserting its number on the Bid Form. Failure to do so may subject the Bid to disqualification. This Addendum is part of the Contract Documents.

Bidder is encouraged to verify with reprographer of record all Addenda issued (do not rely exclusively on third party plan room services).

### **PART 1 - CHANGES TO PRIOR ADDENDA (NOT APPLICABLE)**

### **PART 2 - CHANGES TO THE PROJECT MANUAL**

Modifications described herein shall be incorporated in the Project Manual. All other Work shall remain unchanged.

#### **2.1 DIVISION 11 – EQUIPMENT**

##### **A. Section 116843.43 “SCOREBOARDS/MESSAGE BOARDS”**

1. DELETE Subparagraph 1.2.B in its entirety and replace with the following:  
“Message Boards: This section includes Work required to provide the message board for the football/track/soccer scoreboard”.
2. MODIFY Subparagraph 2.3.A.e “Captions” to be electronic in lieu of vinyl for football, soccer, and track.

#### **2.2 DIVISION 13 - SPECIAL CONSTRUCTION**

##### **A. Section 133416.99 “GRANDSTANDS AND BLEACHERS”**

1. ADD Subparagraph 2.1.A.6 as follows:  
“6. GT Grandstands”

#### **2.3 DIVISION 26 – ELECTRICAL**

##### **A. Section 265668 “EXTERIOR ATHLETIC LIGHTING”**

1. MODIFY Subparagraph 265668, Part 4 to add the following:  
Qualite Sports Lighting is an acceptable manufacturer.

**2.4 DIVISION 31 – EARTHWORK**

**A. Section 321123.99 “RECYCLED CRUSHED CONCRETE BASE”**

1. DELETE AND REPLACE Section 321123.99 in its entirety.

**2.5 DIVISION 32 - EXTERIOR IMPROVEMENTS**

**A. Section 321823.99 “SYNTHETIC TURF PLAYING SURFACE”**

1. ADD Subparagraph 2.1.B.5 for approved manufacturer and product:  
“5. Thermagreen SportLite 15”

**PART 3 - CHANGES TO THE DRAWINGS**

Modifications described herein shall be incorporated in the Drawings. All other Work shall remain unchanged.

**3.1 DRAWING SHEETS: ADDITIONS, DELETIONS AND REPLACEMENTS**

DRAWING NO.	INDICATE ACTION: REPLACE (R), ADD (A), DELETE (D)
<b>C-SERIES DRAWINGS</b>	
C-002.3	DELETE AND REPLACE
CU101.3	DELETE AND REPLACE
CU103.3	DELETE AND REPLACE
CU502.3	DELETE AND REPLACE
<b>T-SERIES DRAWINGS</b>	
TS101	DELETE AND REPLACE
TS-501	DELETE AND REPLACE
T-501	DELETE AND REPLACE

**END OF ADDENDUM 3**



SECTION 321123.99 - RECYCLED CRUSHED CONCRETE BASE COURSE

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Recycled crushed concrete base (RCCB) course.

1.02 REFERENCES

- A. ACI 555R-01 – Removal and Reuse of Hardened Concrete.
- B. INDOT Standard Specifications, Division 300 – Aggregate Pavement and Bases.

1.03 SUBMITTALS

- A. Conform to requirements of Section 013300 - Submittal Procedures.
- B. Submit representative samples of crushed concrete for testing.
- C. Submit manufacturer's description and characteristics for crushing mill and associated equipment for approval.

1.04 TESTS

- A. Follow Section 014510 - Testing Laboratory Services.
- B. Test and analyze aggregate products following requirements of INDOT Div. 300.

1.05 STORAGE AND HANDLING

- A. Provide materials from stockpiles that are protected during storage from contaminants detrimental to aggregate base.
- B. Load material from same area of stockpile to maintain uniformity of each successive placement on Project site.
- C. Protect from ground dampness.

PART 2 PRODUCTS

2.01 SYSTEM DESCRIPTION

- A. Provide RCCB with following performance:
  - 1. INDOT Coarse Aggregate, Class D or higher, Size No. 53.
  - 2. Prepare concrete product in on-site portable crushing mill.
- B. Preliminary Design: Identify source and condition of material for crushed concrete.
  - 1. Designate source of concrete for crushing. Follow Section 014510 - Testing Laboratory Services for tests of concrete from source.

2.02 AGGREGATE

- A. Recycled Crushed Concrete: Material gradation equal to INDOT #53 Coarse Aggregate, with durable coarse particles of crusher-run reclaimed cured Portland cement concrete, obtained from approved source. Organic material is prohibited. The crushed concrete shall be substantially free of all foreign matter including but not limited to asphalt, base, mortar, masonry units, reinforcement steel, and dirt.
  - 1. Bank sand may be added to mix at the crushing mill.

2.03 SOURCE QUALITY CONTROL

- A. Test following Section 014510 -Testing Laboratory Services.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Follow Section 017200 – Field Engineering.
- B. Verify buried utility work is complete.
- C. Verify subgrade is ready to support imposed loads.

- D. Verify flatwork, foundations, projecting reinforcement and similar Work interfacing with base is in place.
- E. Verify lines and grades are correct.

3.02 PREPARATION

- A. Complete backfill of new utilities below future grade.
- B. Prepare subgrade in accordance with requirements of Section 312000 – Earth Moving.
- C. Correct subgrade deviations in excess of plus or minus 1/4 inch in cross section, or in 16-foot length by loosening, adding or removing material, reshaping and recompacting by sprinkling and rolling.
- D. Prepare sufficient subgrade in advance of base course for efficient operations.
- E. Have sufficient products and equipment on hand to expeditiously apply base.

3.03 PLACEMENT

- A. Place mixture with approved spreading equipment. Spread to eliminate planes of weakness or pockets of nonuniformly graded material resulting from hauling and dumping operations.
- B. Unless noted otherwise, place recycled crushed concrete base in courses not to exceed 8 inches in depth. All courses shall be placed on same working day unless approved by Construction Manager. Placement of RCCB is limited to the new parking on the east side of the new high school building.

3.04 COMPACTION

- A. Compact RCCB in accordance with requirements of Section 312000 – Earth Moving. Do not allow base to mix with underlying material.
- B. Correct irregularities or weak spots immediately by replacing material and

recompacting.

- C. Apply water to maintain moisture between optimum and 5 percent above optimum moisture.
- D. Remove and reconstruct sections where average moisture content exceeds ranges specified at time of final compaction.
- E. Finish by blading surface to final grade after compacting final course. Seal with approved pneumatic tired rollers or flat wheel rollers which are sufficiently light to prevent surface hair line cracking.
- F. Compact to minimum density of 95 percent of dry density, following Section 312000 and INDOT Div. 300 requirements at moisture content of treated material between optimum and 5 percent above optimum.
- G. Test base course compaction in accordance with Section 312000 and INDOT Div. 300.
- H. Maintain surface to required lines and grades throughout operation.
- I. Completed Surface: Smooth and conform to typical section and established lines and grades.
- J. Top Surface of Base Course: Plus or minus 1/4 inch in cross section or in 16-foot length.

3.05 FIELD QUALITY CONTROL

- A. Test following Section 014510 - Testing Laboratory Services.
- B. Perform compaction tests following Section 312000 and INDOT Div. 300 at randomly selected locations. Remove and replace areas failing compaction requirements at no additional cost to the Owner.

3.06 PROTECTION

- A. Maintain base in proper condition until surface is placed. Surface must be placed within 14 days after final mixing and compaction unless otherwise approved by Project Manager. Repair unacceptable base course immediately by replacing base to full depth.

- B. Prevent construction traffic on placed and compacted base.

### 3.07 VISIBLE DUST EMISSION CONTROL

- A. A dedicated weather station shall be installed near the concrete crusher equipment.
- B. The weather station shall record data at one minute intervals for the duration of the project.
- C. The wind vane and anemometer will be set at approximately 5-10 feet above the concrete crusher.
- D. If high wind conditions (25 mph for at least 5 minutes in any 1 hour period) all dust producing activities will be suspended.

### 3.08 DUST SUPPRESSION

- A. Fugitive dust suppression will be the primary engineering control implemented throughout the demolition project to prevent worker exposure and fugitive dust leaving the Site. Water truck(s) and/or fire hose(s) attached to a local hydrant will be the primary means of dust suppression during demolition operations. A localized water spray will be directed to the source of the demolition activities, thereby reducing airborne dust particles. To minimize the run-off of water, water will be used only when necessary. The source of water to be utilized for the project: a) municipal water from fire hydrants. A proper backflow device will be utilized, per City of Hammond requirements. All other additional City requirements will be adhered to while utilizing hydrant water. Contractor will be responsible for all costs associated with using the fire hydrant, including but not limited to, permit, rental fees, backflow inspection and approval, water costs, etc.
- B. Fugitive dust suppression will be the primary engineering control implemented throughout the demolition project to prevent worker exposure and fugitive dust leaving the Site. Water truck(s) and/or fire hose(s) attached to a local hydrant will be the primary means of dust suppression during demolition operations. A localized water spray will be directed to the source of the demolition activities, thereby reducing airborne dust particles. To minimize the run-off of water, water will be used only when necessary. The source of water to be utilized for the project: a) municipal water from fire

hydrants. A proper backflow device will be utilized, per City of Hammond requirements. All other additional City requirements will be adhered to while utilizing hydrant water. Contractor will be responsible for all costs associated with using the fire hydrant, including but not limited to, permit, rental fees, backflow inspection and approval, water costs, etc.

- C. The main mechanism for the control of fugitive dust emissions from demolition activities and wind erosion is watering, which leads to the formation of a surface crust to reduce the available reservoir of dust. The effectiveness of wet suppression is dependent on the type of activities occurring, the frequency of watering, and the meteorological conditions. These control measures are intended to comply with local, state and federal regulatory requirements.
- D. Dust Suppression will be conducted to achieve the following goals:
  - a. Prevent visible and overall dust from extending beyond the property boundary of the Site or outside the construction boundaries.
  - b. Prevent dust emissions with opacity greater than 20 percent.
  - c. Limit the track-out of dust.
- E. The following dust control measures will be utilized to ensure that these goals are achieved:
  - a. Water will be used during all demolition and concrete recycling activities to prevent visible dust emission, except when rain or onsite conditions provide adequate moisture content to prevent visible dust emission.
  - b. Utilize water to keep active areas of soil disturbance damp at all times.
  - c. Cover all hauling trucks or maintain at least one foot of freeboard.
  - d. Wet-sweep paved access roads, parking areas or staging areas as necessary.
  - e. Wet-sweep daily public streets if visible soil material is carried from the Site.

- f. The public paved roadways surrounding the Site will be checked for any material possibly tracked out, despite mitigation efforts. The Contractors will take all reasonable measures to clean the roadways of this material within an hour of observation.
- g. Install and maintain wind screen along the perimeter of the site to reduce wind speeds, act as a privacy screen, prevent debris and garbage from leaving the site, and overall dust control.
- h. Cover and protect all loose stockpiled construction materials (including soil) that are not being actively used. Active use is defined as materials that are no scheduled for use or handling within five days.
- i. Site runoff will be minimized and controlled as established by the project's Storm Water Pollution Prevention Plan (SWPPP) and Erosion Control Plan (ECP).
- j. Suspend demolition, grading or other dust creating activities due to excessive winds, which are defined as wind gusts in exceedance of 25 mph.
- k. All vehicles that enter the site will require decontamination prior to leaving the site.
- l. Post a publicly visible sign with the project contact name and telephone number for dust complaints, who will be designated as the air quality coordinator for this project. This person shall respond and take corrective action within 48 hours. A log shall be maintained of all complaints and response actions.

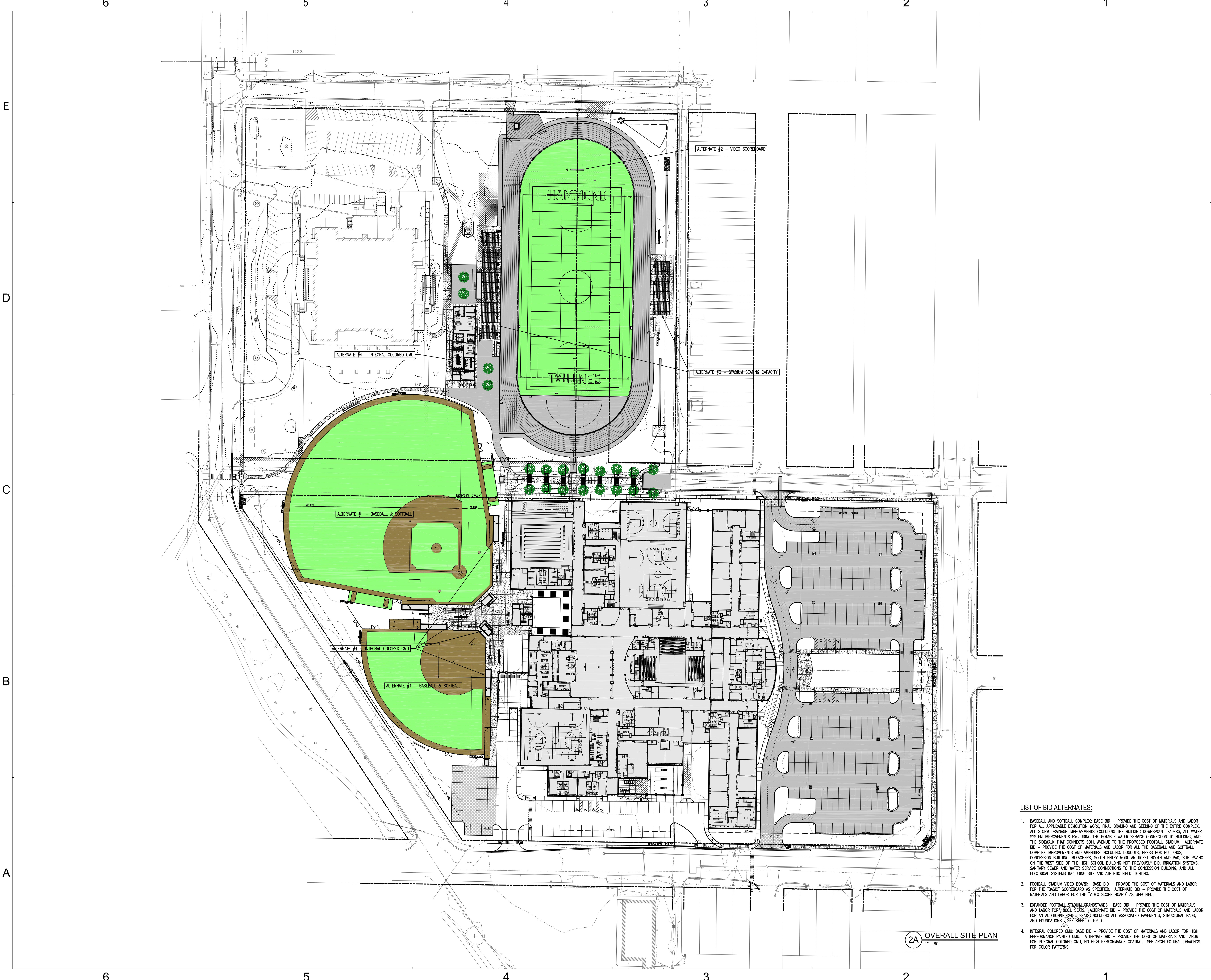
### 3.09 NOISE MITIGATION

- A. The following measures will be undertaken to minimize noise intrusion during site activities:
  - a. Demolition activities will be limited to the hours of 7 a.m. to 6 p.m. on weekdays, and 9 a.m. to 5 p.m. on Saturdays. No work on Sundays, or legal holidays.

- b. All equipment driven by internal combustion engines will be equipped with appropriate mufflers in good operating condition.
- c. When feasible, "quiet" models of stationary equipment such as air compressors, generators and other noise sources will be used.
- d. Stationary noise-generating equipment will be located as far as possible from residential areas and sensitive receptors.
- e. No unnecessary idling of internal combustion engines will occur onsite.
- f. A designated "noise disturbance coordinator" will be identified who will be responsible for responding to any local complaints about construction noise. The disturbance coordinator will determine the cause of the noise complaints and, as practicable, institute measures to correct the problem.

END OF SECTION





2A OVERALL SITE PLAN  
1" = 60'

LIST OF BID ALTERNATES:

- BASEBALL AND SOFTBALL COMPLEX: BASE BID - PROVIDE THE COST OF MATERIALS AND LABOR FOR ALL APPLICABLE DEMOLITION WORK, FINAL GRADING AND SEEDING OF THE ENTIRE COMPLEX, ALL STORM DRAINAGE IMPROVEMENTS EXCLUDING THE BUILDING DOWNSPOUT LEADERS, ALL WATER SYSTEM IMPROVEMENTS EXCLUDING THE POTABLE WATER SERVICE CONNECTION TO BUILDING, AND THE SIDEWALK THAT CONNECTS SOHL AVENUE TO THE PROPOSED FOOTBALL STADIUM. ALTERNATE BID - PROVIDE THE COST OF MATERIALS AND LABOR FOR ALL THE BASEBALL AND SOFTBALL COMPLEX IMPROVEMENTS AND AMENITIES INCLUDING: BUCKETS, PRESS BOX BUILDINGS, CONCESSION BUILDING, BLEACHERS, SOUTH ENTRY MODULAR TICKET BOOTH AND PAD, SITE PAVING ON THE WEST SIDE OF THE HIGH SCHOOL BUILDING NOT PREVIOUSLY BID, IRRIGATION SYSTEMS, SANITARY SEWER AND WATER SERVICE CONNECTIONS TO THE CONCESSION BUILDING, AND ALL ELECTRICAL SYSTEMS INCLUDING SITE AND ATHLETIC FIELD LIGHTING.
- FOOTBALL STADIUM VIDEO BOARD: BASE BID - PROVIDE THE COST OF MATERIALS AND LABOR FOR THE "BASIC" SCOREBOARD AS SPECIFIED. ALTERNATE BID - PROVIDE THE COST OF MATERIALS AND LABOR FOR THE "VIDEO SCORE BOARD" AS SPECIFIED.
- EXPANDED FOOTBALL STADIUM GRANDSTANDS: BASE BID - PROVIDE THE COST OF MATERIALS AND LABOR FOR 18000 SEATS. ALTERNATE BID - PROVIDE THE COST OF MATERIALS AND LABOR FOR AN ADDITIONAL 42488 SEATS INCLUDING ALL ASSOCIATED PAVEMENTS, STRUCTURAL PADS, AND FOUNDATIONS. (SEE SHEET C-1104.3)
- INTEGRAL COLORED CMU: BASE BID - PROVIDE THE COST OF MATERIALS AND LABOR FOR PERFORMANCE PAINTED CMU. ALTERNATE BID - PROVIDE THE COST OF MATERIALS AND LABOR FOR INTEGRAL COLORED CMU, NO HIGH PERFORMANCE COATING. SEE ARCHITECTURAL DRAWINGS FOR COLOR PATTERNS.

**SCHMIDT ASSOCIATES**  
415 Massachusetts Avenue  
Indianapolis, IN 46204  
www.schmidt-arch.com

Project No. 2017-105.ATF  
Project Date 02.17.2021  
Produced ATJ

Allen T. Jacobson  
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#	Revision	Date
A1	ADDENDUM 3	03.19.2021

5926 Calumet Avenue  
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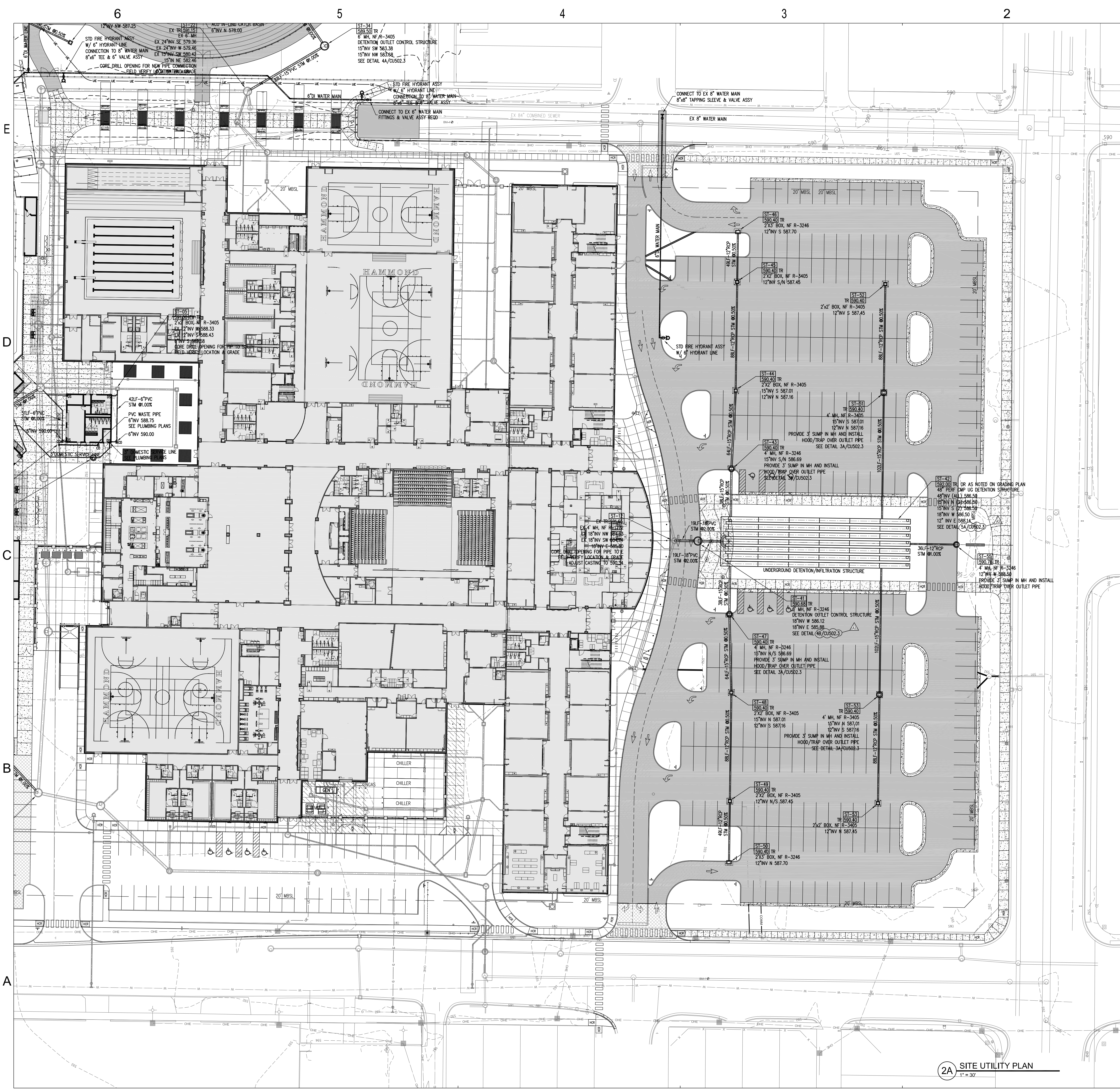
School City of Hammond



Hammond Central High School  
BID PACKAGE 3

OVERALL SITE PLAN  
C-002.3





**UTILITY LEGEND**

- PROPOSED WATER LINE
  - EXISTING WATER LINE
  - PROPOSED SANITARY SEWER
  - EXISTING SANITARY SEWER
  - PROPOSED STORM SEWER/DRAIN
  - EXISTING STORM SEWER/DRAIN
- 
- DS DOWNSPOUT
  - CO CLEAN OUT
  - WV WATER VALVE
  - PV POST INDICATOR VALVE
  - INV PIPE INVERT
  - ALT BID ALTERNATE
  - TYP TYPICAL OF MULTIPLE LOCATIONS
- 
- ST-01 PROPOSED STORM MANHOLE  
SEE DETAIL 1A/CU101, SHEETS CR110-111
  - ST-02 PROPOSED STORM MANHOLE/INLET  
SEE DETAIL 1A/CU101, SHEETS CR110-111
  - ST-03 PROPOSED CATCH BASIN  
SEE DETAIL 1C/CU101, SHEETS CR110-111
  - ST-04 PROPOSED SANITARY MANHOLE  
SEE SHEETS CR108-109.

**GENERAL UTILITY NOTES**

1. ALL SANITARY SEWER IMPROVEMENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF HAMMOND SEWER DESIGN GUIDANCE MANUAL.
2. WHERE A NEW SANITARY SEWER IS CONNECTED TO AN EXISTING MANHOLE, THAT MANHOLE SHALL BE REHABILITATED TO CURRENT DESIGN STANDARDS OF CITY OR UTILITY HAVING JURISDICTION. THIS REQUIREMENT SHALL INCLUDE REHABILITATING FLOW CHANGING, RENOVATING, SEALING CRACKS, CHIMNEY SEAL INSTALLATION, AS WELL AS OTHER MEASURES TO REDUCE THE AMOUNT OF INFILTRATION AND INFLOW TO REQUIRED LEVELS.
3. ALL LOCATIONS WHERE OTHER UTILITIES CROSS THE PROPOSED SANITARY SEWER WITH 18" VERTICAL CLEARANCE OR LESS REQUIRE THE INSTALLATION OF A CONCRETE CRADLE OR OTHER MEANS OF STRUCTURAL SUPPORT.
4. ALL SANITARY LATERALS AND FORCE MAINS REQUIRE THE INSTALLATION OF A TRACER WIRE ON TOP OF THE PIPE FROM THE SEWER MAIN TO THE CLEAN OUT.
5. ALL LIDS, CASTINGS, GRATES, BOXES, AND HATCHES ASSOCIATED WITH EXISTING UTILITY STRUCTURES THAT ARE NOT INDICATED FOR MODIFICATION OR REMOVAL SHALL BE MAINTAINED AND PROTECTED DURING CONSTRUCTION.
6. COMPACTED GRANULAR BACKFILL IS REQUIRED FOR ALL UTILITY TRENCHES LOCATED UNDER PAVED AREAS. SEE SPECIFICATIONS.
7. ALL WATER SYSTEM AND FIRE PROTECTION SYSTEM IMPROVEMENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF HAMMOND STANDARD SPECIFICATIONS AND DETAILS.
8. A MINIMUM OF 60" OF COVER SHALL BE PROVIDED OVER ALL EXTERIOR WATER PIPE, VALVES, AND FITTINGS.
9. PIPE LENGTHS INDICATED ON THE DRAWINGS ARE FOR HYDRAULIC CALCULATION PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR FURNISHING THE AMOUNT OF PIPE MATERIALS NECESSARY FOR A COMPLETE INSTALLATION.
10. ALL STORM INLET CASTINGS SHALL BE PERMANENTLY STAMPED WITH NOTATION "DUMP NO WASTE, DRAINS TO RIVER".
11. ALL STORM SEWERS, STRUCTURES, AND LATERALS WITHIN THE SUBJECT SITE SHALL BE PRIVATELY OWNED AND MAINTAINED.
12. NO SUBSTITUTION OF BMP HYDRODYNAMIC SEPARATOR STRUCTURE OR MANUFACTURER IS PERMITTED.
13. INSTALL 18" W x 18" L x 4" T CONCRETE COLLAR AROUND ALL CLEANOUTS, FIRE HYDRANTS, VALVE BOXES, INDICATOR POSTS, AND YARD HYDRANTS THAT ARE LOCATED IN YARD AREAS. COLLAR TO BE SET 1" ABOVE ADJACENT GROUND GRADES.
14. WHERE PROPOSED UNDERGROUND UTILITIES ARE IN CONFLICT WITH EXISTING UNDERGROUND UTILITIES, THE CONTRACTOR IS RESPONSIBLE FOR RELOCATING THE EXISTING UTILITIES AROUND THE PROPOSED WORK.
15. WHERE CONNECTIONS ARE MADE TO EXISTING MANHOLES OR INLET STRUCTURES, THOSE STRUCTURES SHALL BE REHABILITATED OR REPLACED TO THOSE MINIMUM STANDARDS OUTLINED IN THE CITY OF HAMMOND STANDARD SPECIFICATIONS AND DETAILS, LATEST EDITION. THE REHABILITATION SHALL INCLUDE THE INSTALLATION OF BENCHWALLS, AS WELL AS PRESCRIBED MEASURES TO ELIMINATE THE POTENTIAL FOR MIGRATION OF BACKFILL MATERIALS INTO THE STORMWATER SYSTEM.
16. ALL PROPOSED STORM SEWER AND DRAINAGE APPURTENANCES SHALL BE IN CONFORMANCE WITH THE CITY OF HAMMOND STANDARD SPECIFICATIONS AND DETAILS, LATEST EDITION. DISCREPANCIES BETWEEN THE PLANS AND THE CITY STANDARD DETAILS SHALL NOT ALLEVIATE THE CONTRACTOR FROM ADHERING TO THE REQUIREMENTS AS SET FORTH IN THE CITY STANDARD DETAILS.
17. UTILITIES SERVING THE EXISTING HAMMOND HIGH SCHOOL BUILDING SHALL REMAIN IN SERVICE UNTIL THE NEW BUILDING IS OCCUPIED. EXISTING UTILITIES SHALL THEN BE SHUTOFF, PERMANENTLY CAPPED, AND EITHER REMOVED OR ABANDONED ON PLACE DEPENDING ON LOCATION. ALL UNDERGROUND UTILITIES ABANDONED IN PLACE SHALL BE FILLED WITH LEAN CONCRETE GROUT AND ACCURATELY INDICATED ON THE AS-BUILT DRAWINGS.
18. ANY 45-DEGREE DEFLECTION IN EXTERIOR SANITARY LATERALS WILL BE CONSTRUCTED USING TWO 22.5-DEGREE BENDS WITH A SHORT PIECE OF PIPE BETWEEN THE FITTINGS.

2A SITE UTILITY PLAN  
1" = 30'

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School City of Hammond

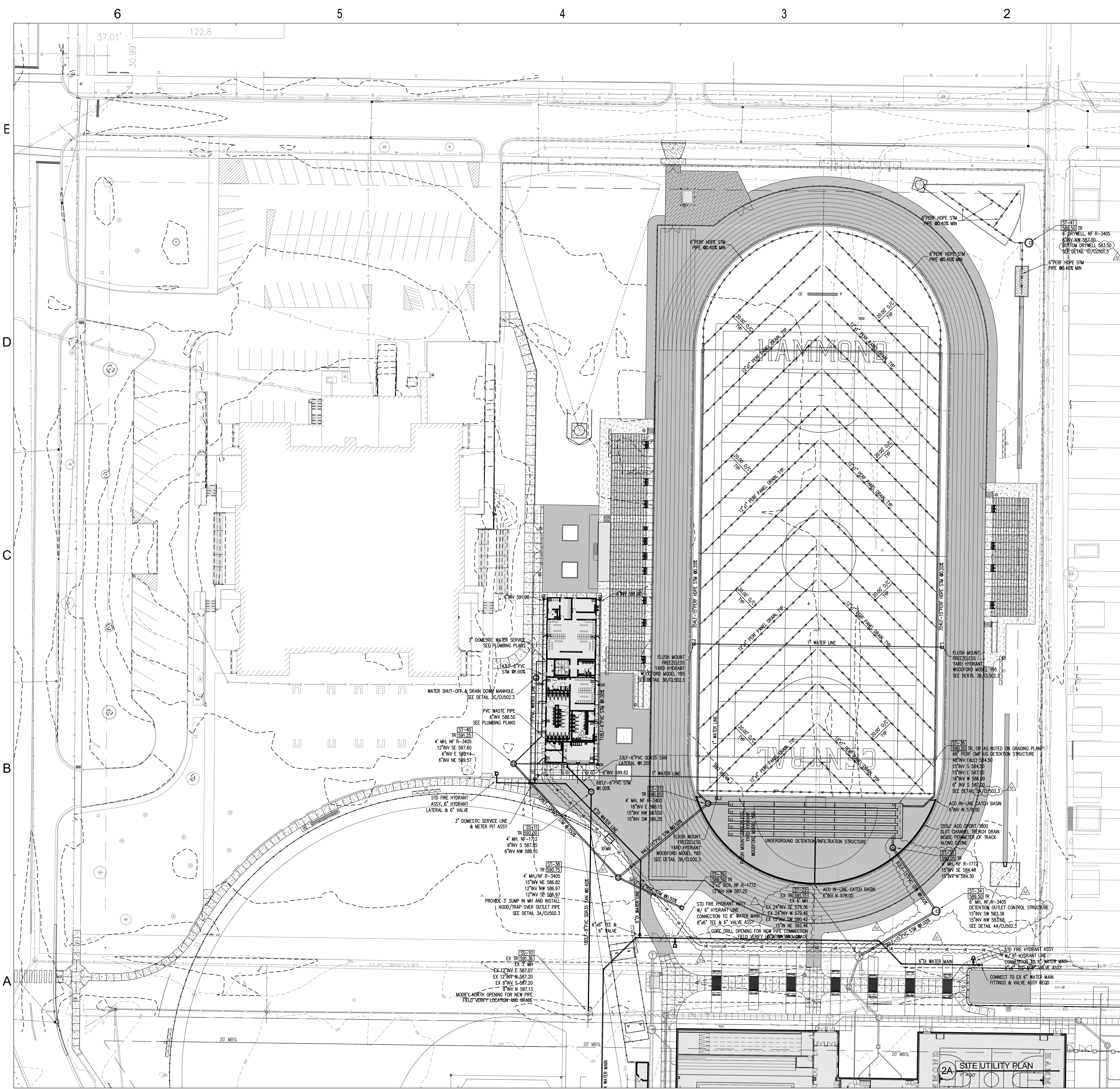
School City of Hammond

Hammond Central High School  
BID PACKAGE 3

SITE UTILITY PLAN - EAST

CU101.3





**UTILITY LEGEND**

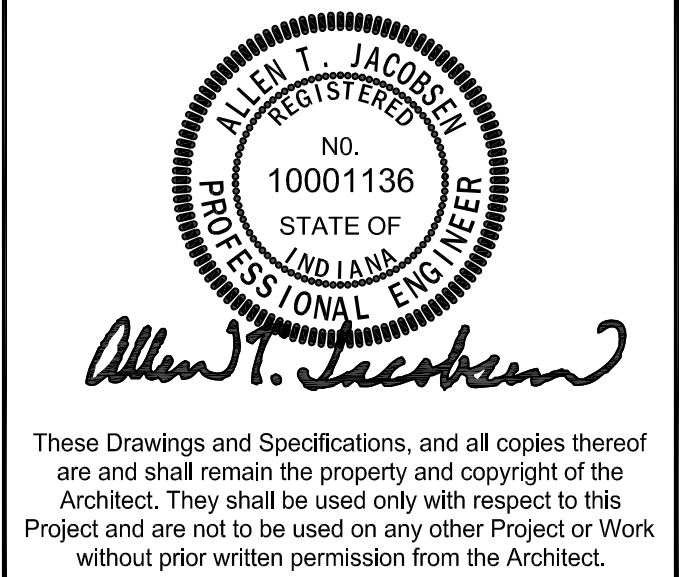
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3. ALL LOCATIONS WHERE OTHER UTILITIES CROSS THE PROPOSED SANITARY SEWER WITH 18" VERTICAL CLEARANCE OR LESS REQUIRE THE INSTALLATION OF A CONCRETE CRADLE OR OTHER MEANS OF STRUCTURAL SUPPORT.
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8. A MINIMUM OF 60" OF COVER SHALL BE PROVIDED OVER ALL EXTERIOR WATER PIPE, VALVES, AND FITTINGS.
9. PIPE LENGTHS INDICATED ON THE DRAWINGS ARE FOR HYDRAULIC CALCULATION PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR FURNISHING THE AMOUNT OF PIPE MATERIALS NECESSARY FOR A COMPLETE INSTALLATION.
10. ALL STORM INLET CASTINGS SHALL BE PERMANENTLY STAMPED WITH NOTATION "DUMP NO WASTE, DRAINS TO RIVER".
11. ALL STORM SEWERS, STRUCTURES, AND LATERALS WITHIN THE SUBJECT SITE SHALL BE PRIVATELY OWNED AND MAINTAINED.
12. NO SUBSTITUTION OF BMP HYDRODYNAMIC SEPARATOR STRUCTURE OR MANUFACTURER IS PERMITTED.
13. INSTALL 18" W x 18" L x 4" T CONCRETE COLLAR AROUND ALL CLEANOUTS, FIRE HYDRANTS, VALVE BOXES, INDICATOR POSTS, AND YARD HYDRANTS THAT ARE LOCATED IN YARD AREAS. COLLAR TO BE SET 1" ABOVE ADJACENT GROUND GRADES.
14. WHERE PROPOSED UNDERGROUND UTILITIES ARE IN CONFLICT WITH EXISTING UNDERGROUND UTILITIES, THE CONTRACTOR IS RESPONSIBLE FOR RELOCATING THE EXISTING UTILITIES AROUND THE PROPOSED WORK.
15. WHERE CONNECTIONS ARE MADE TO EXISTING MANHOLES OR INLET STRUCTURES, THOSE STRUCTURES SHALL BE REHABILITATED OR REPLACED TO THOSE MINIMUM STANDARDS OUTLINED IN THE CITY OF HAMMOND STANDARD SPECIFICATIONS AND DETAILS, LATEST EDITION. THE REHABILITATION SHALL INCLUDE THE INSTALLATION OF BENCHMARKS, AS WELL AS PRESCRIBED MEASURES TO ELIMINATE THE POTENTIAL FOR MIGRATION OF BACKFILL MATERIALS INTO THE STORMWATER SYSTEM.
16. ALL PROPOSED STORM SEWERS AND DRAINAGE APPURTENANCES SHALL BE IN CONFORMANCE WITH THE CITY OF HAMMOND STANDARD SPECIFICATIONS AND DETAILS, LATEST EDITION. DISCREPANCIES BETWEEN THE PLANS AND THE CITY STANDARD DETAILS SHALL NOT ALLEVIATE THE CONTRACTOR FROM ADHERING TO THE REQUIREMENTS AS SET FORTH IN THE CITY STANDARD DETAILS.
17. UTILITIES SERVING THE EXISTING HAMMOND HIGH SCHOOL BUILDING SHALL REMAIN IN SERVICE UNTIL THE NEW BUILDING IS OCCUPIED. EXISTING UTILITIES SHALL THEN BE SHUTOFF, PERMANENTLY CAPPED, AND EITHER REMOVED OR ABANDONED ON PLACE DEPENDING ON LOCATION. ALL UNDERGROUND UTILITIES ABANDONED IN PLACE SHALL BE FILLED WITH LEAN CONCRETE GROUT AND ACCURATELY INDICATED ON THE AS-BUILT DRAWINGS.
18. ANY 45-DEGREE DEFLECTION IN EXTERIOR SANITARY LATERALS WILL BE CONSTRUCTED USING TWO 22.5-DEGREE BENDS WITH A SHORT PIECE OF PIPE BETWEEN THE FITTINGS.



Project No. 2017-105.ATF  
 Project Date 02.17.2021  
 Produced ATJ



#	Revision	Date
A1	ADDENDUM 1	03.05.2021
A2	ADDENDUM 3	05.19.2021

5926 Calumet Avenue  
 Hammond, IN 46320

School City of  
 Hammond

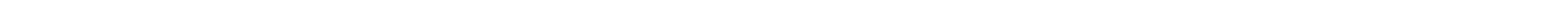
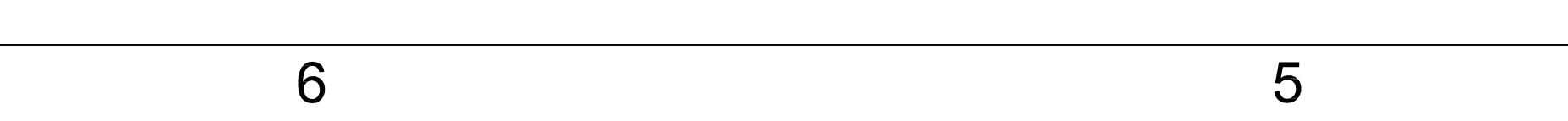
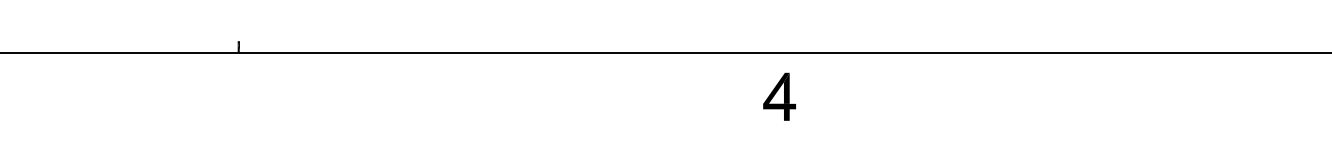
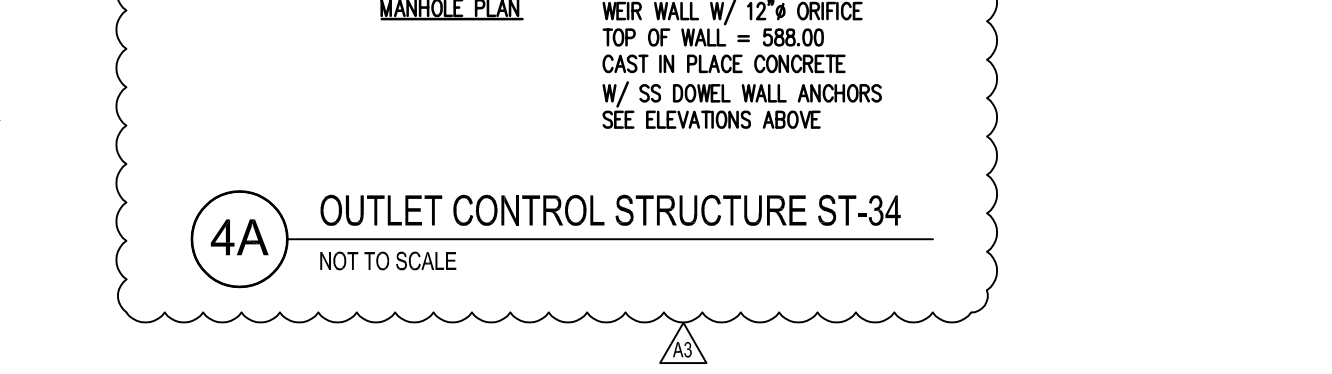
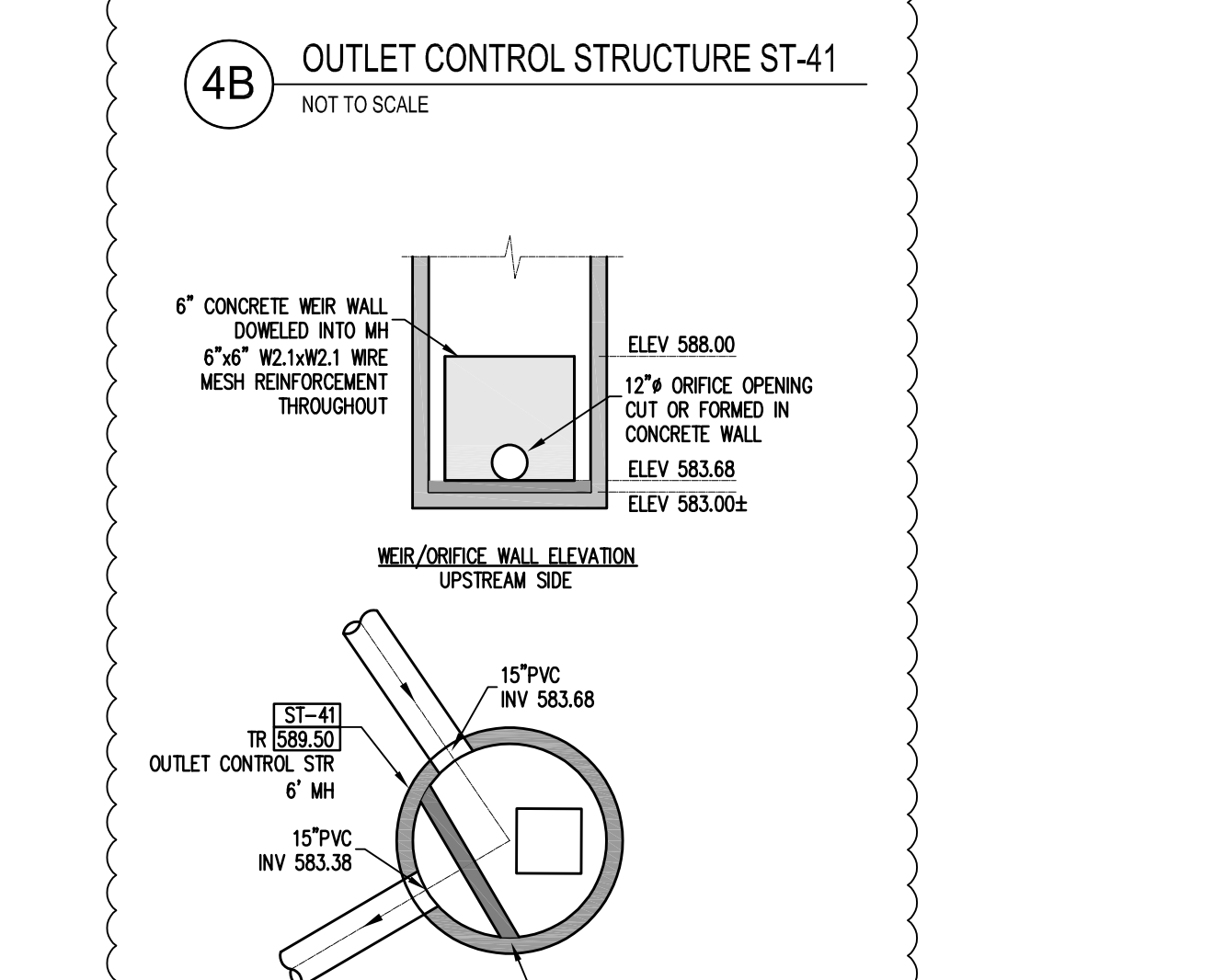
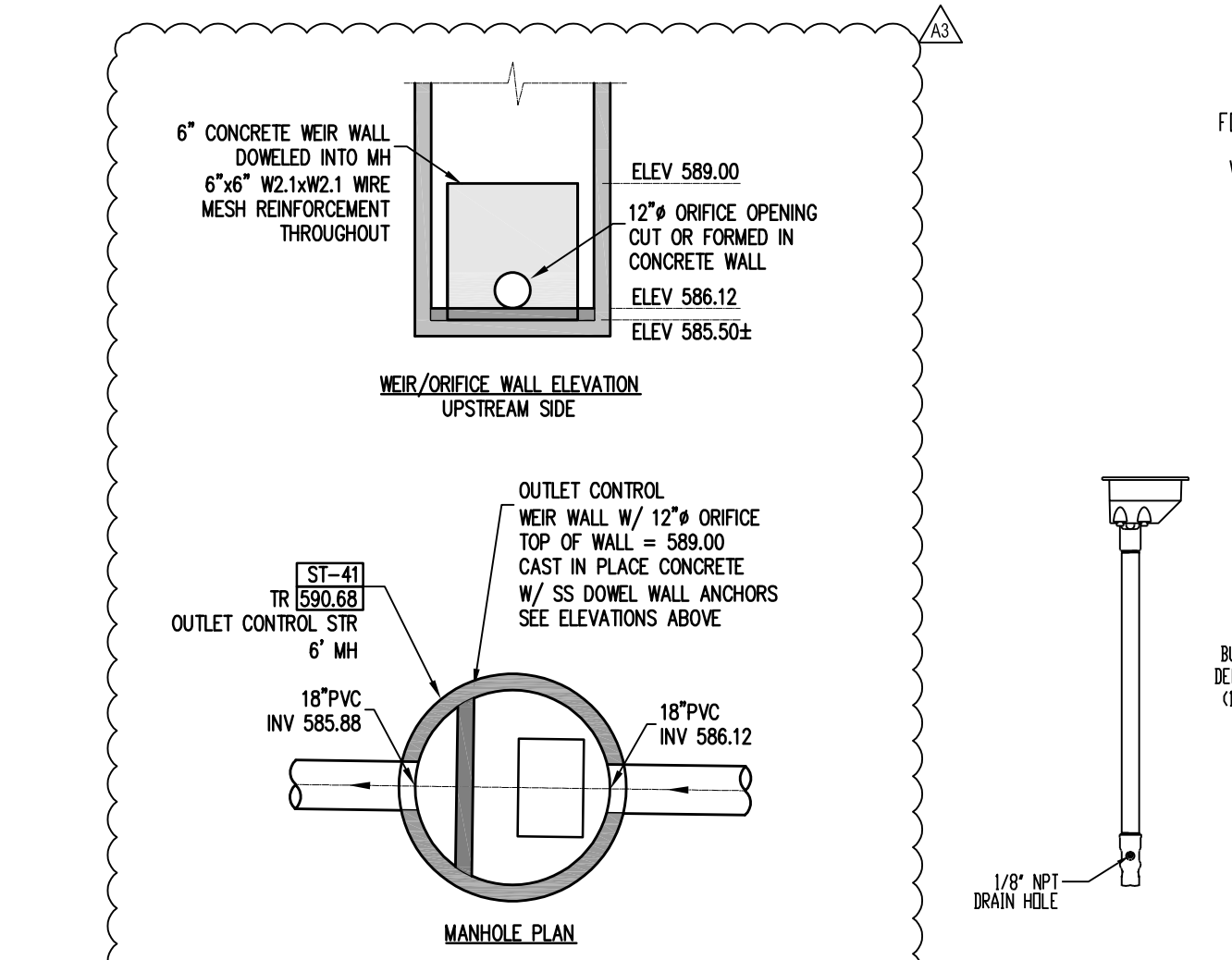
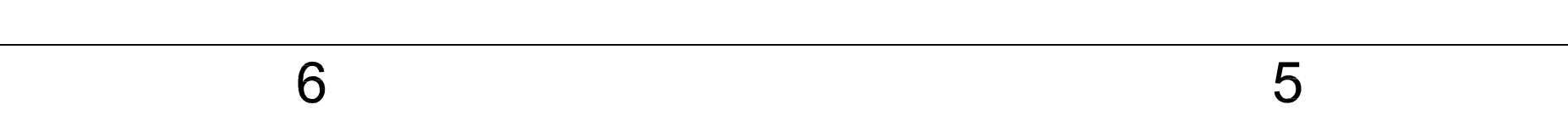
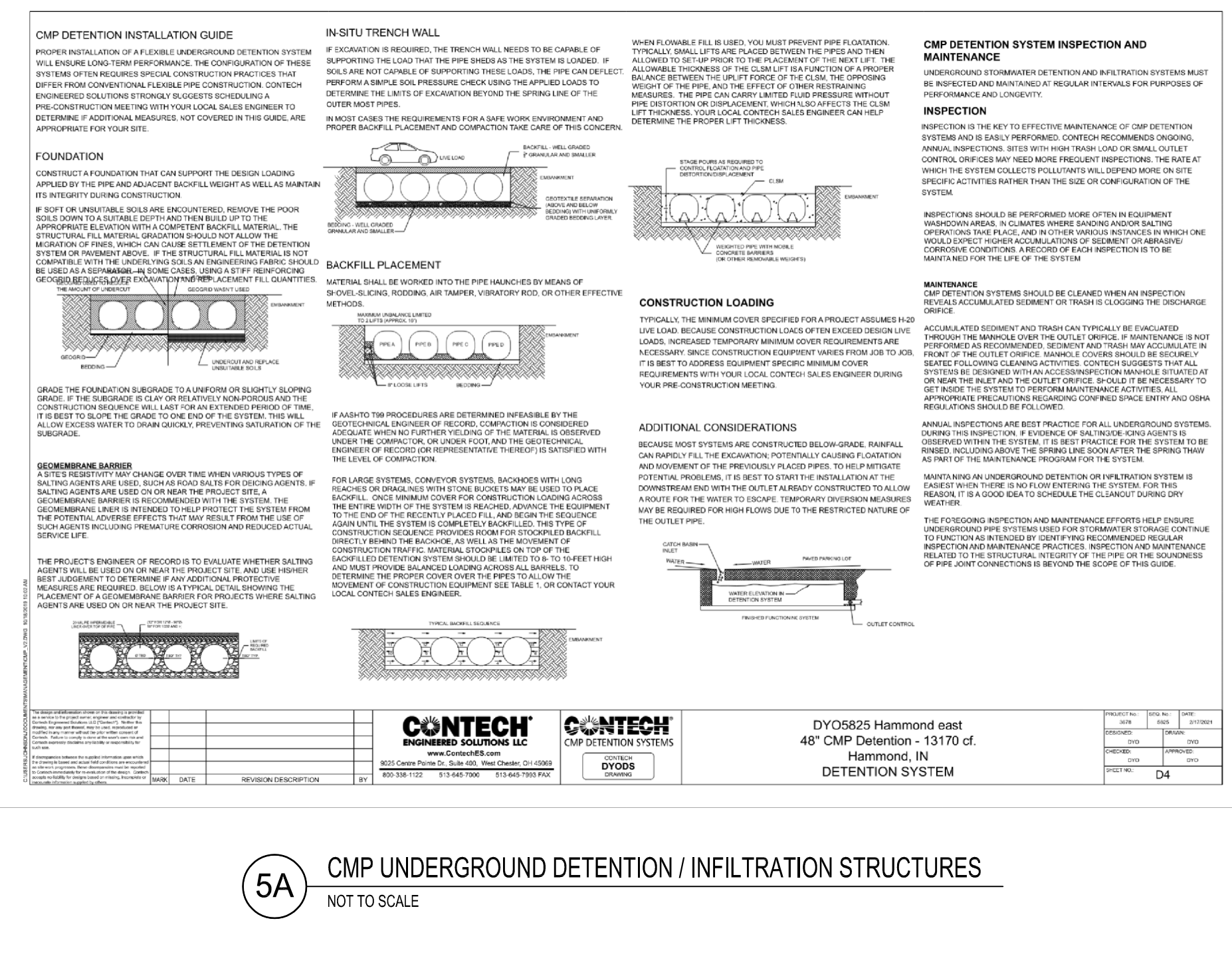
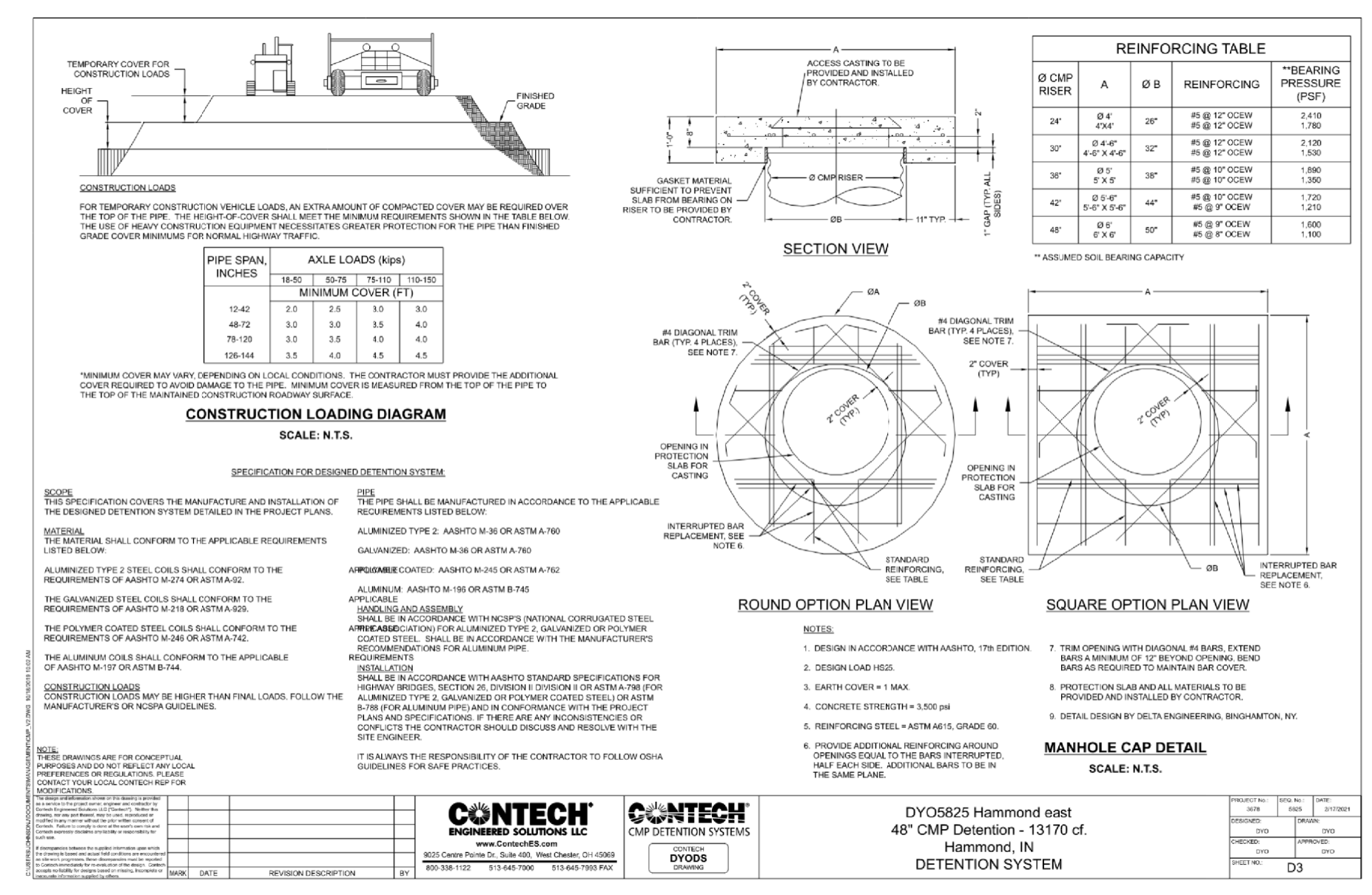
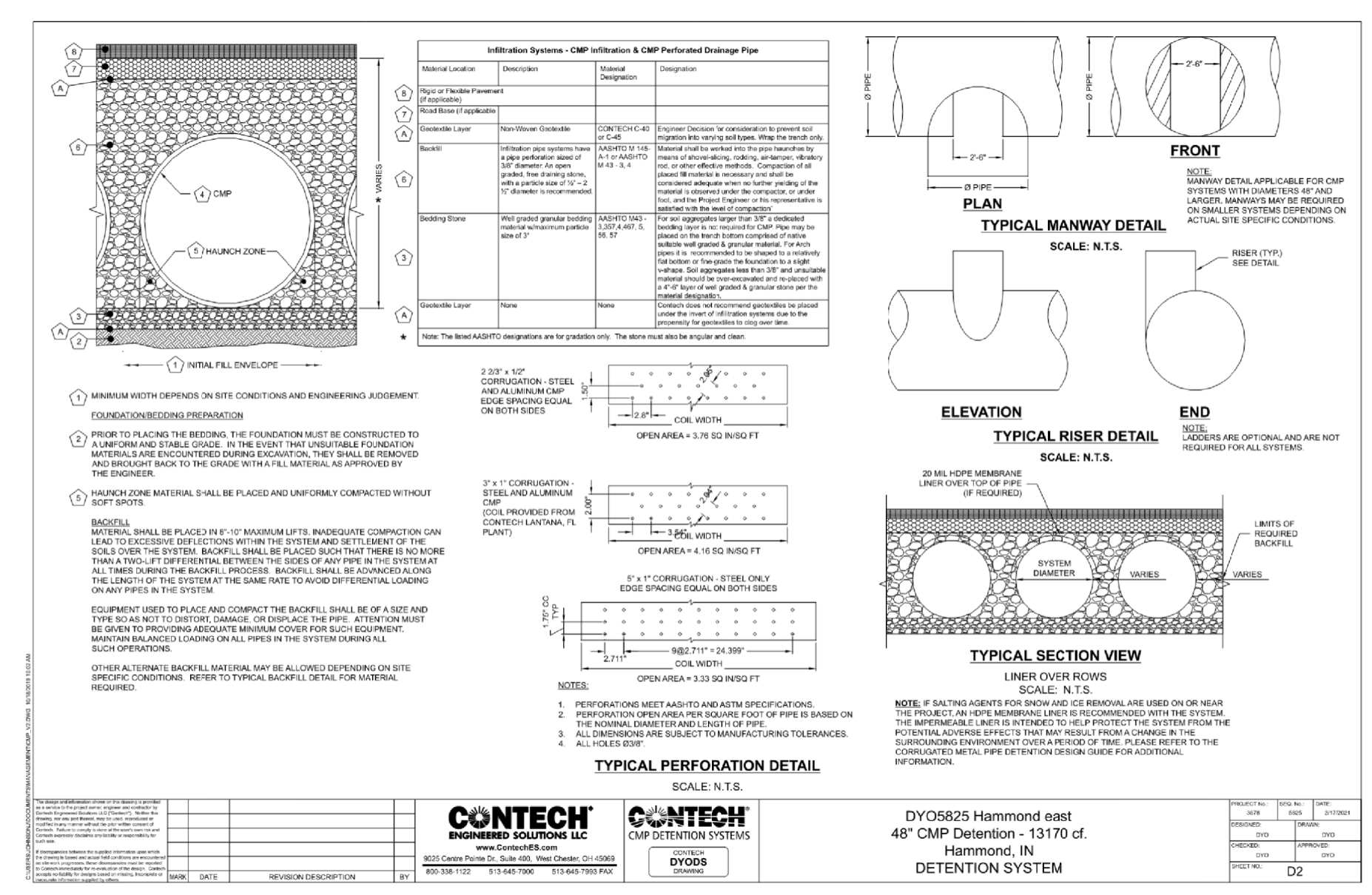
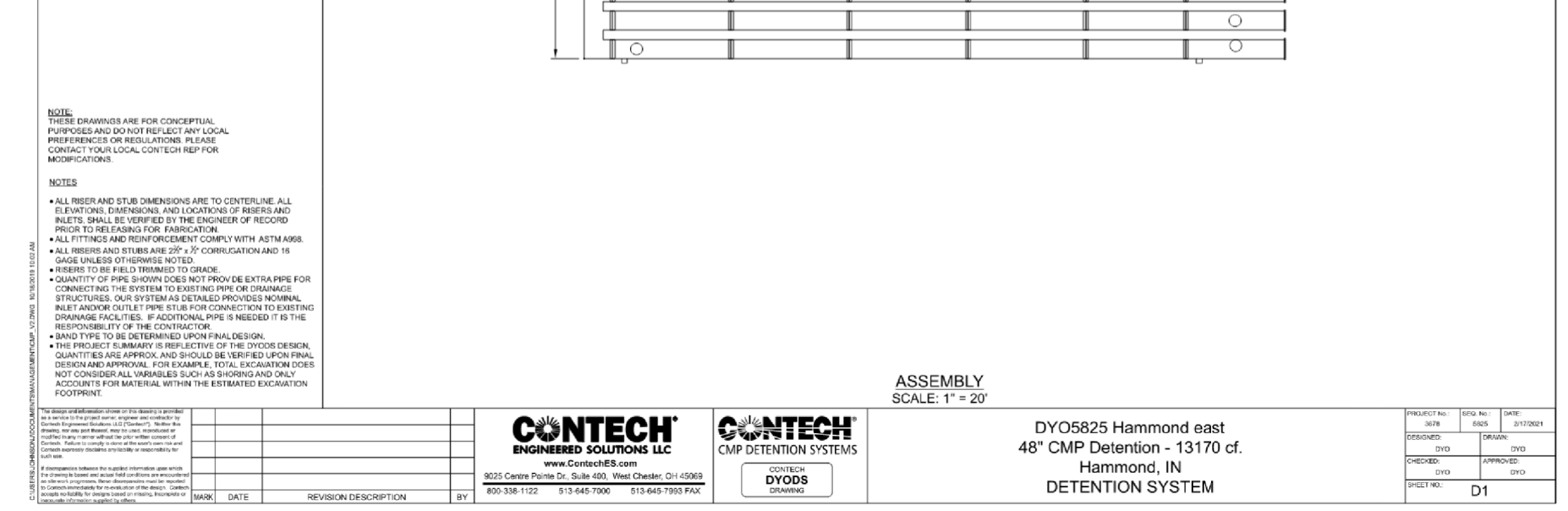
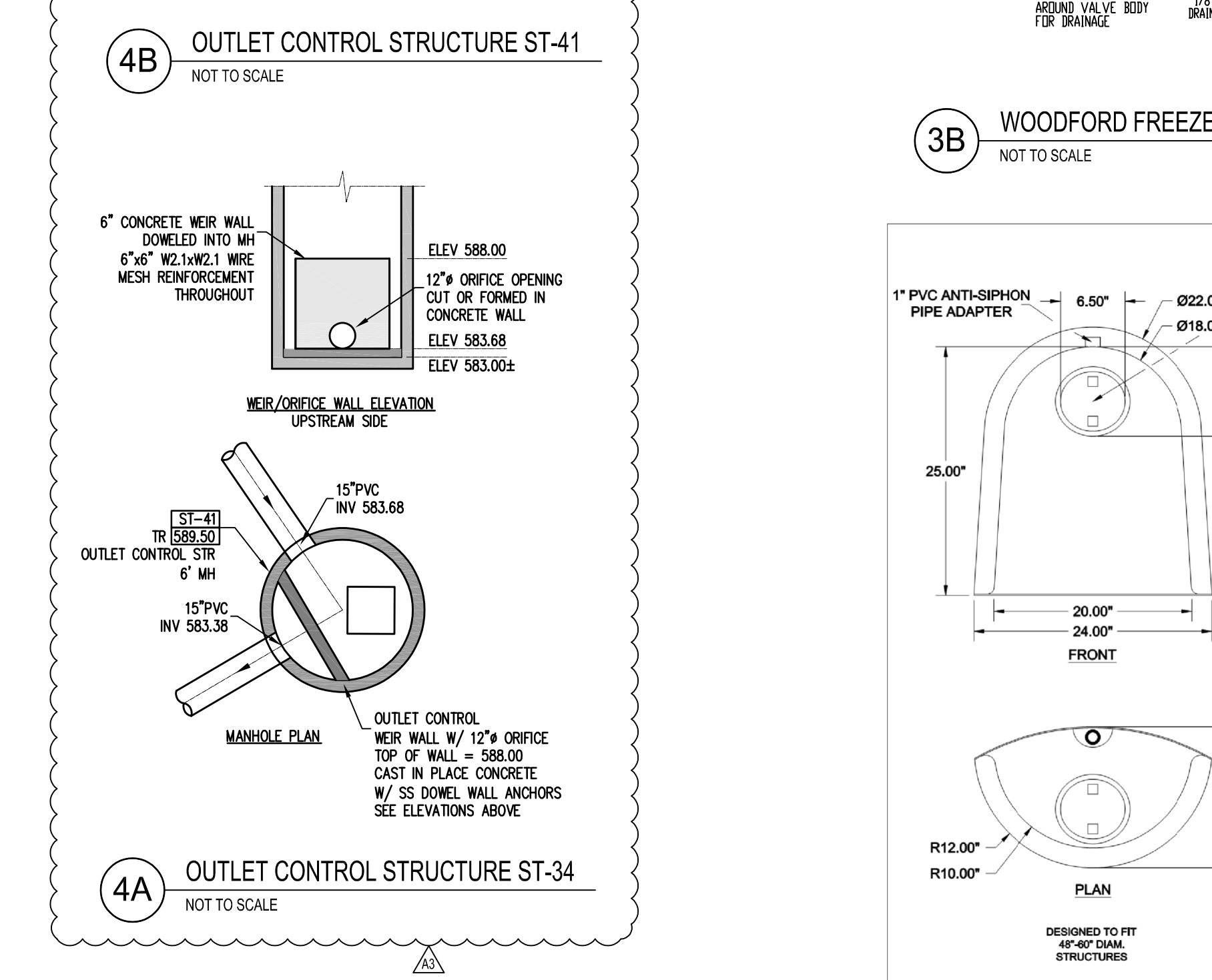
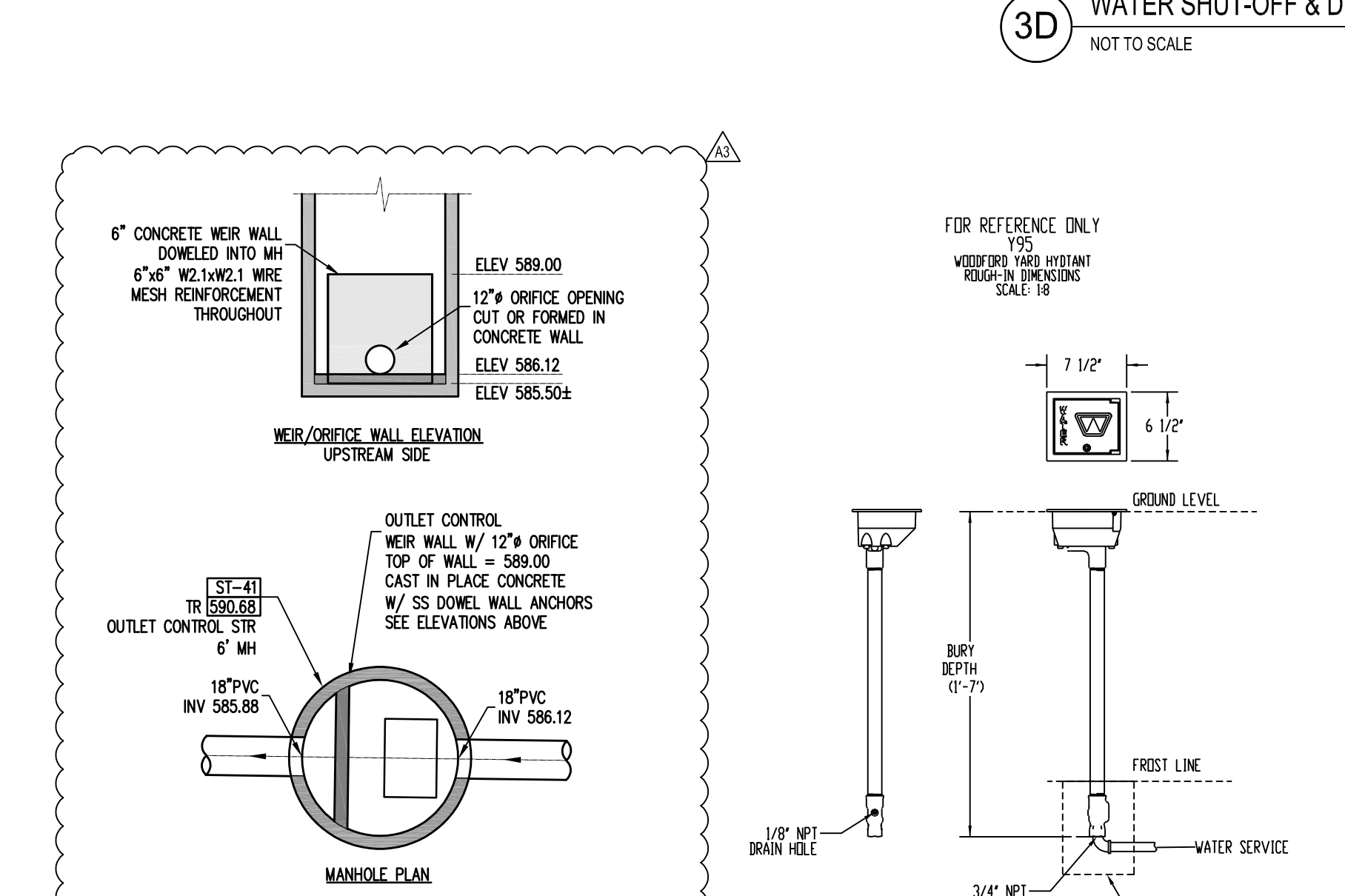
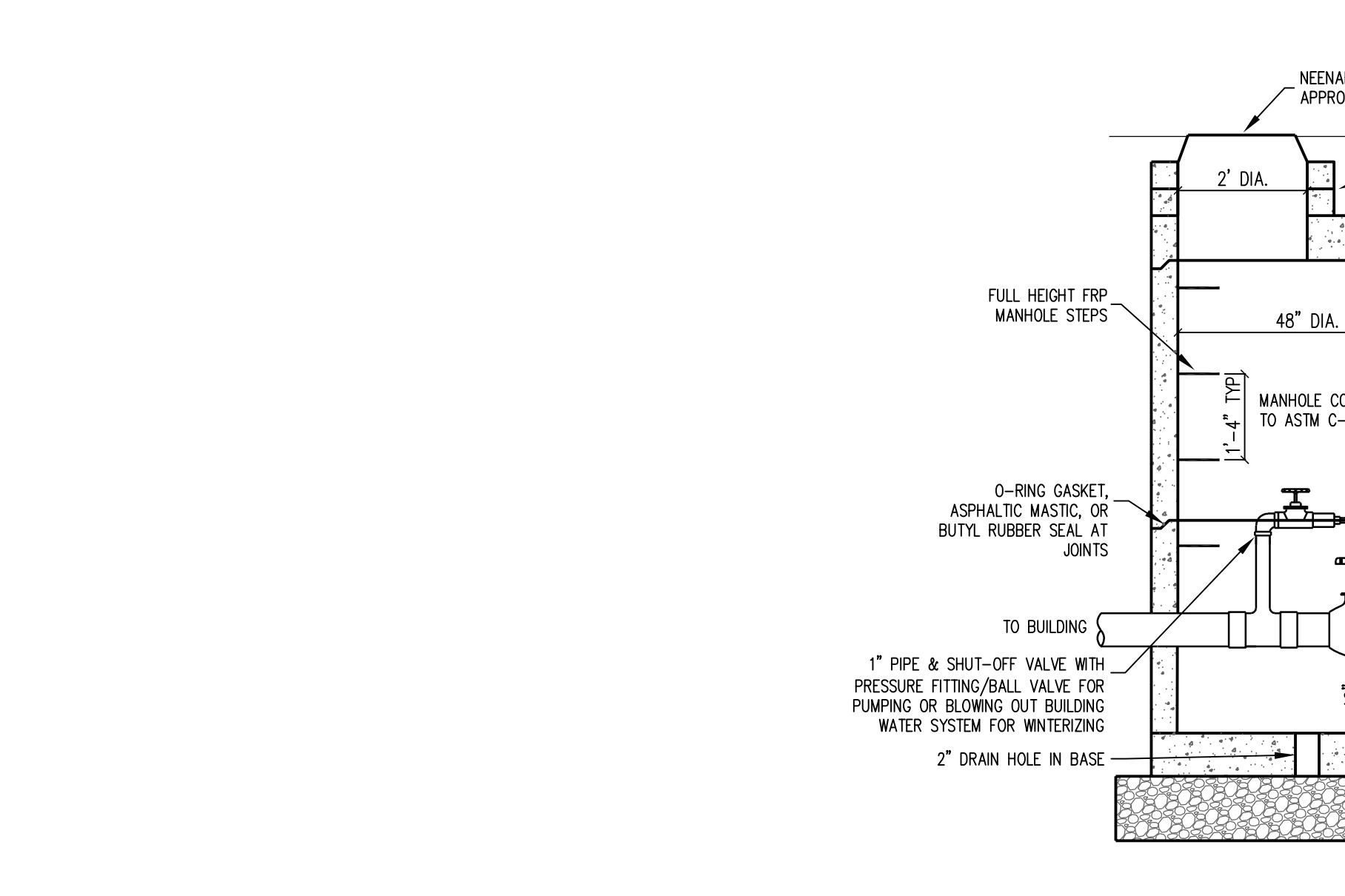
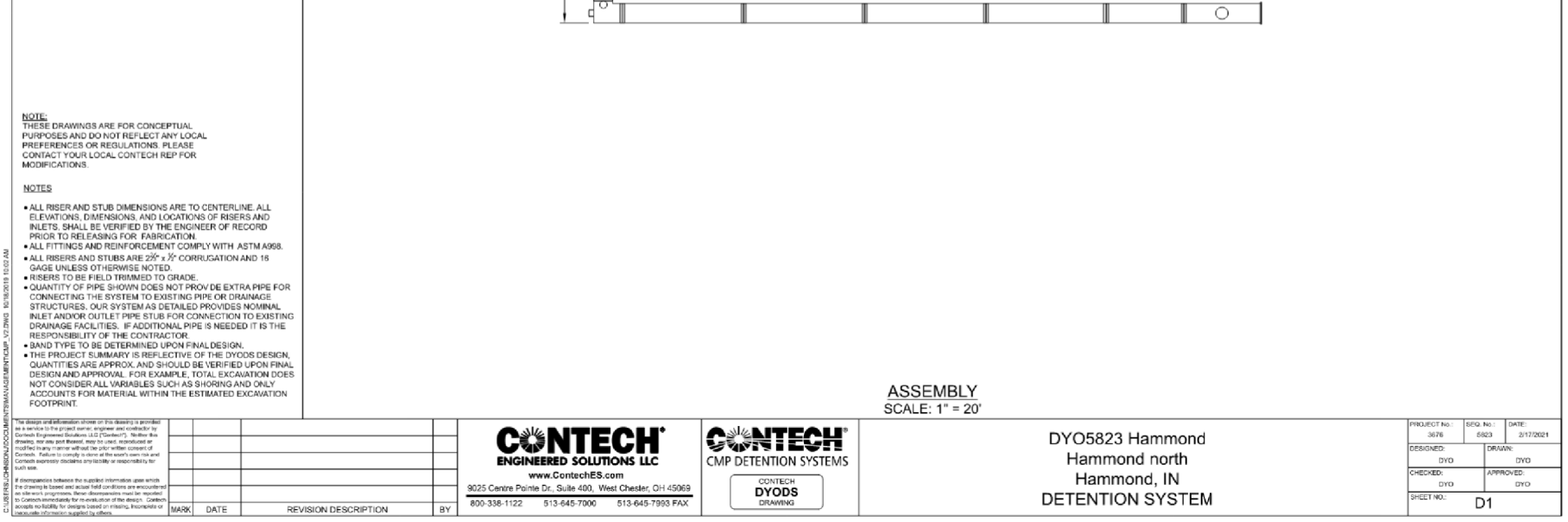
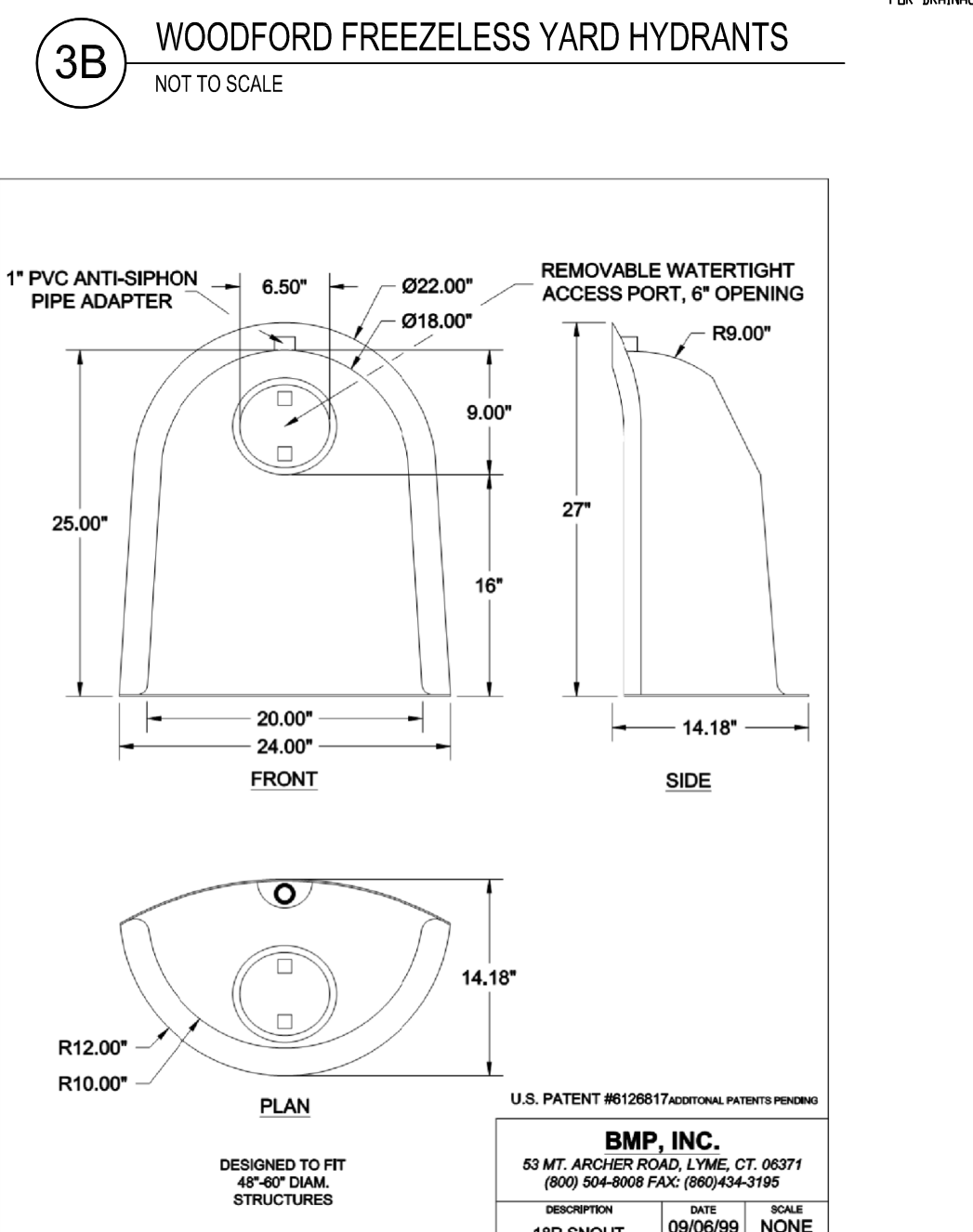
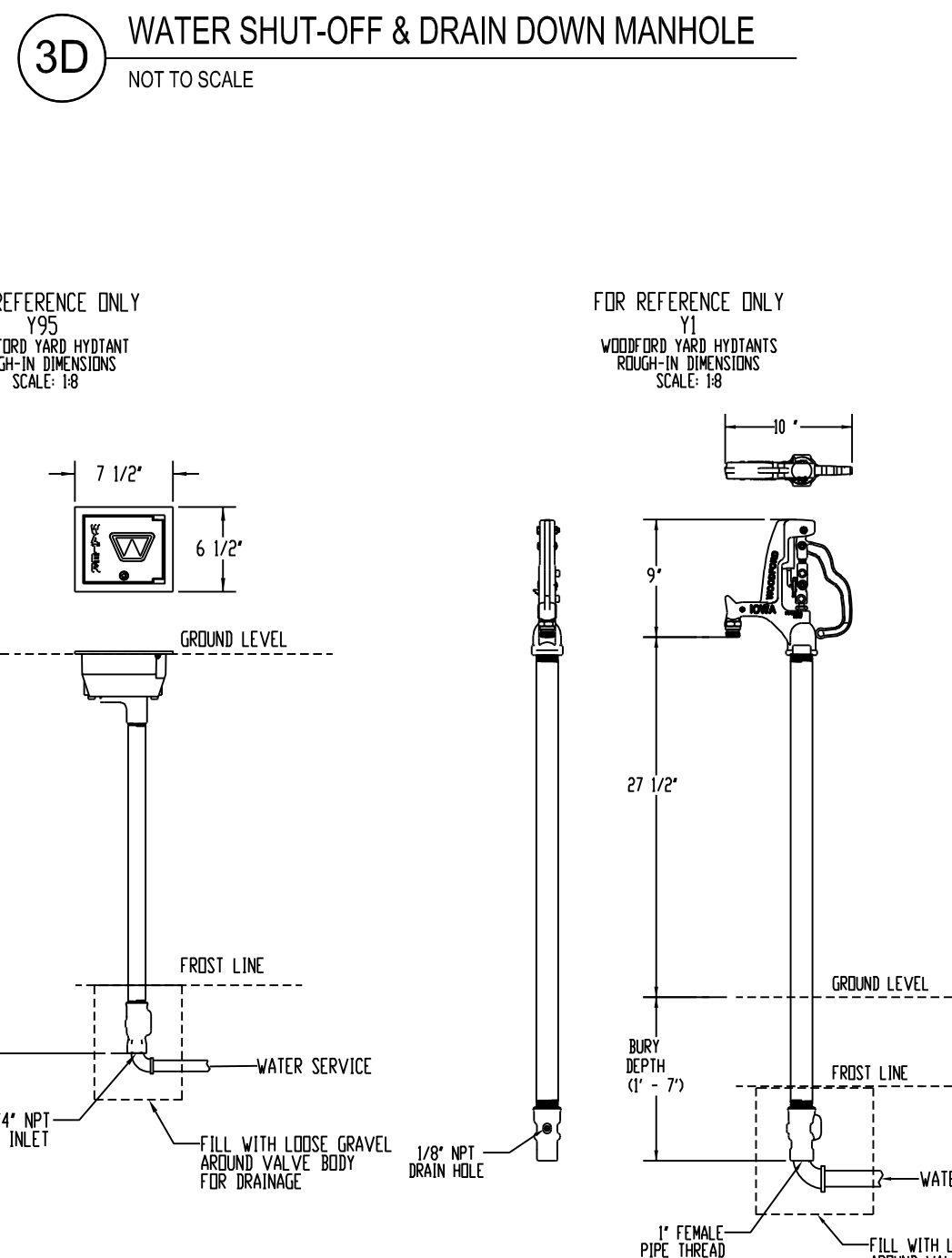
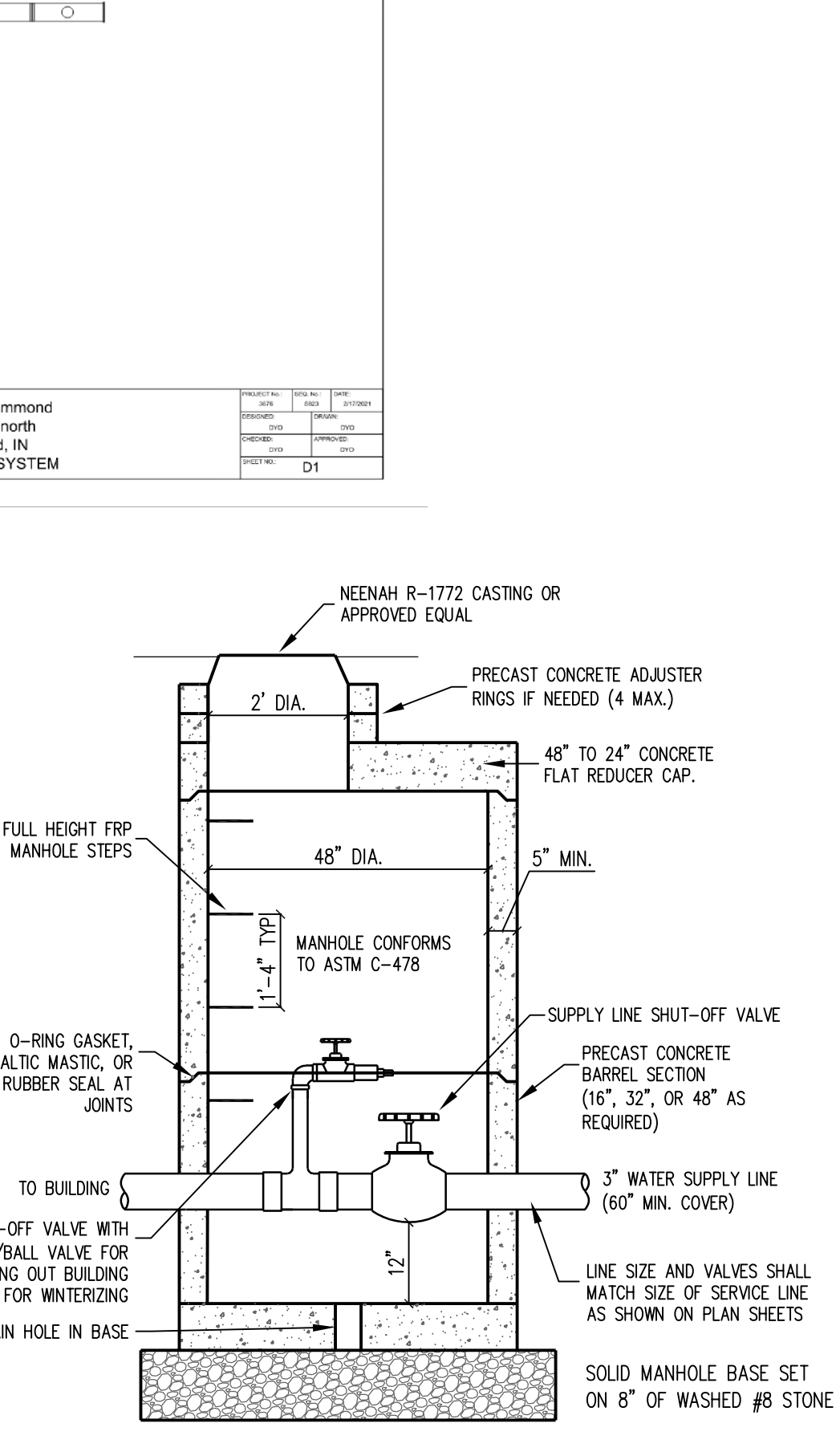
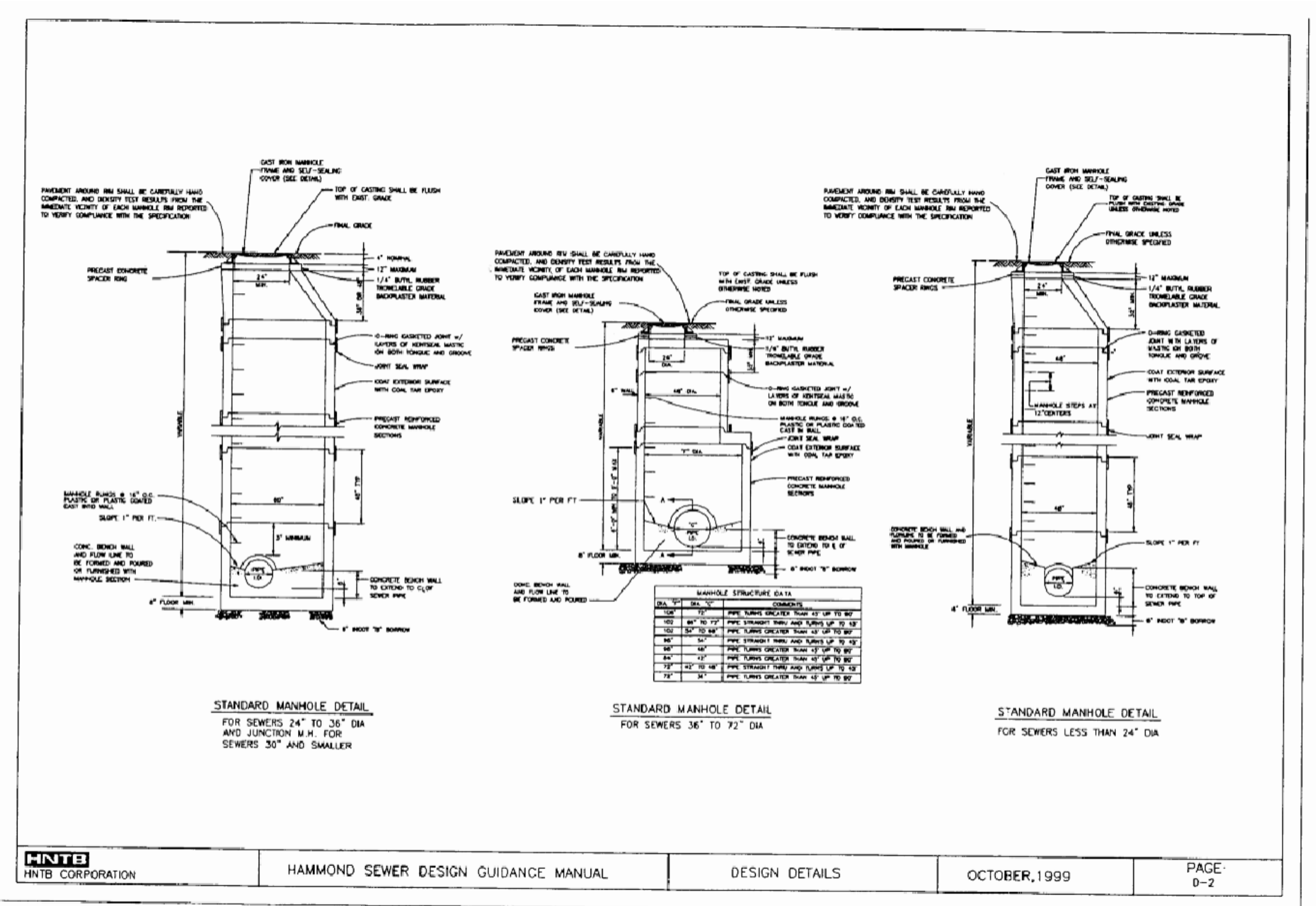
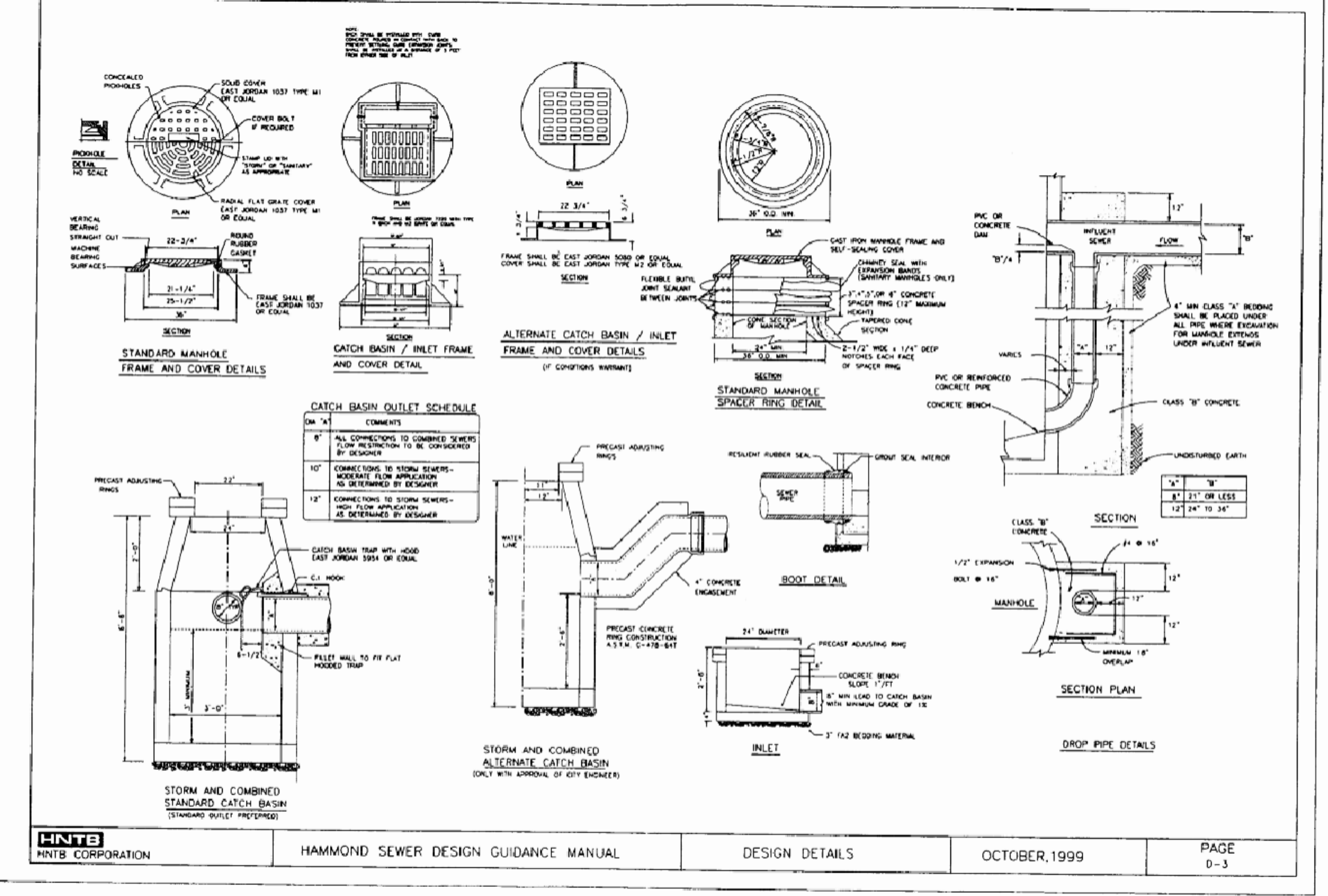
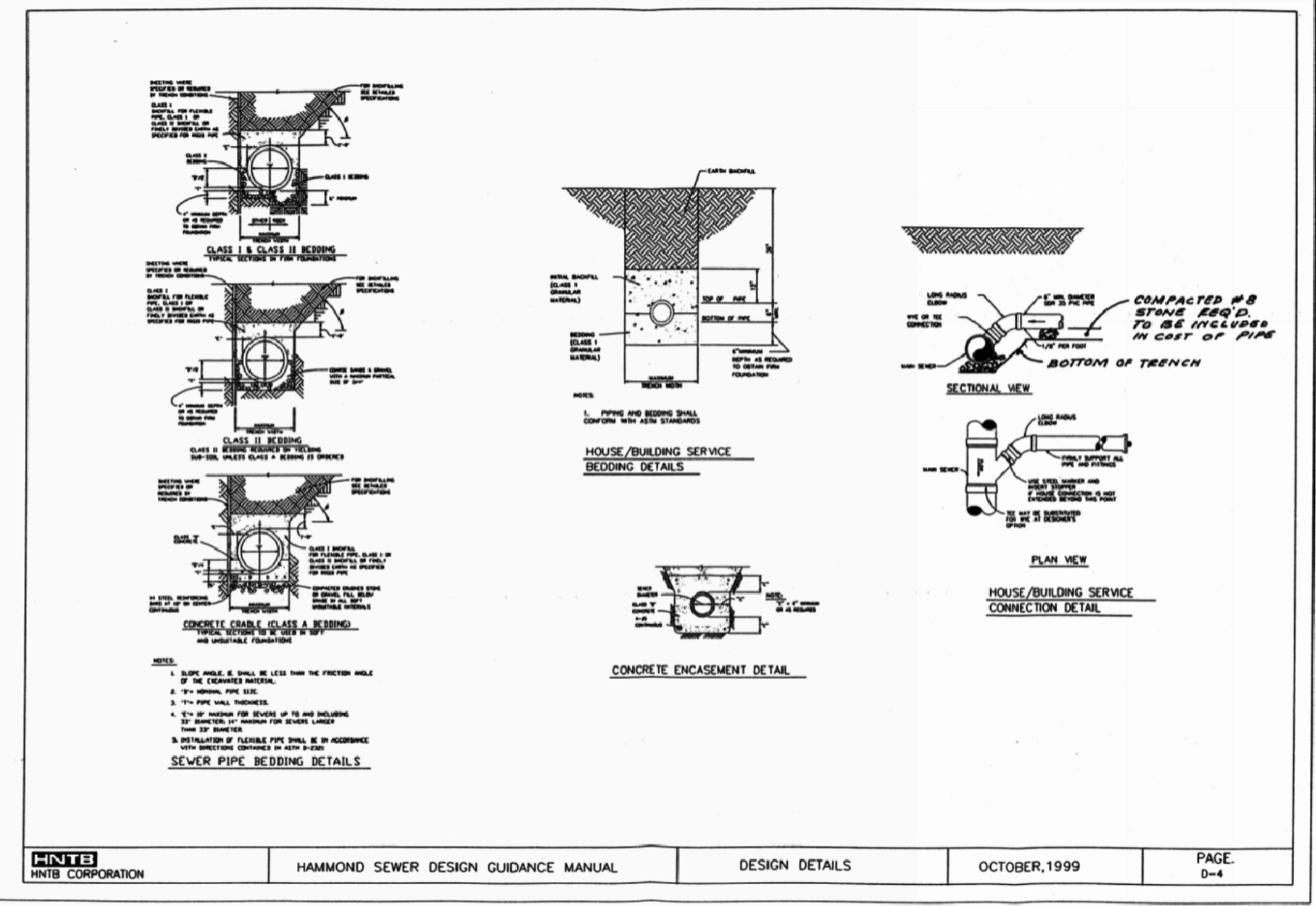


Hammond Central  
 High School  
 BID PACKAGE 3

SITE UTILITY PLAN - NORTH

CU103.3

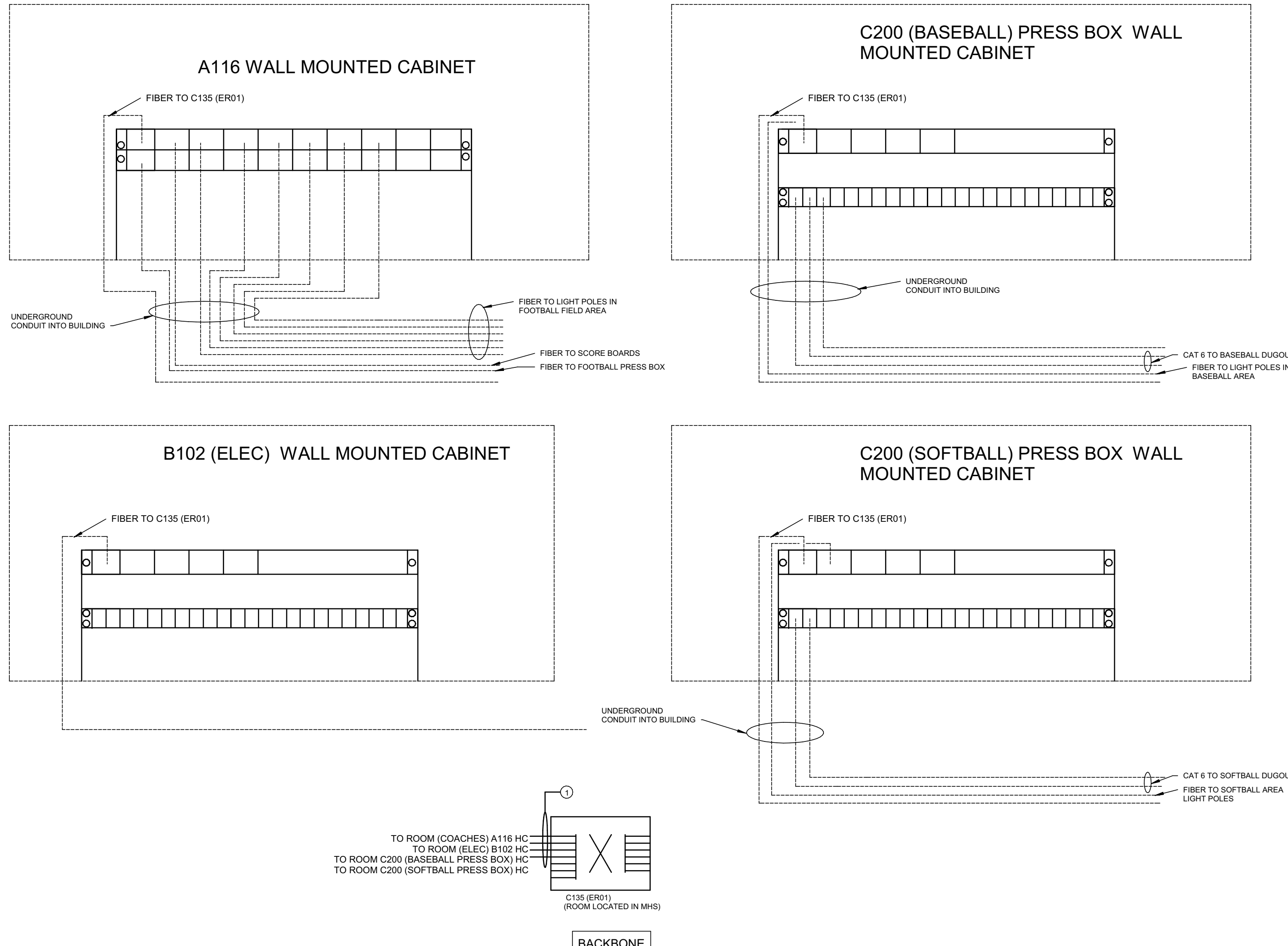




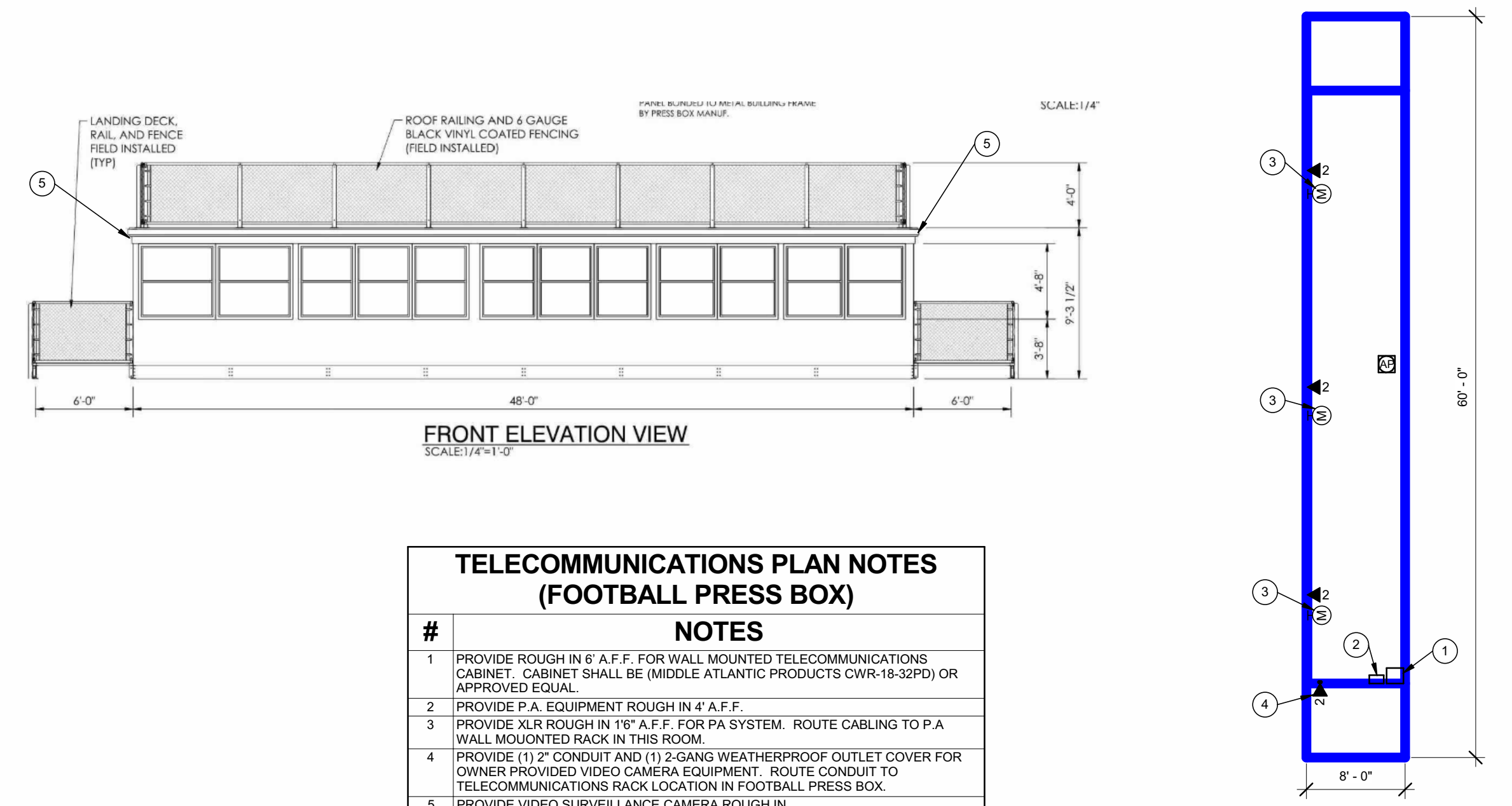
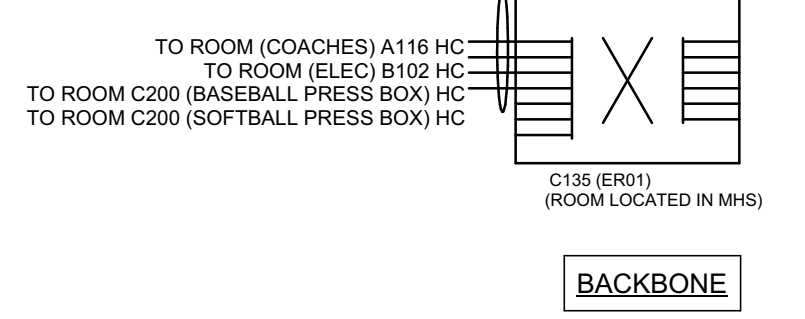




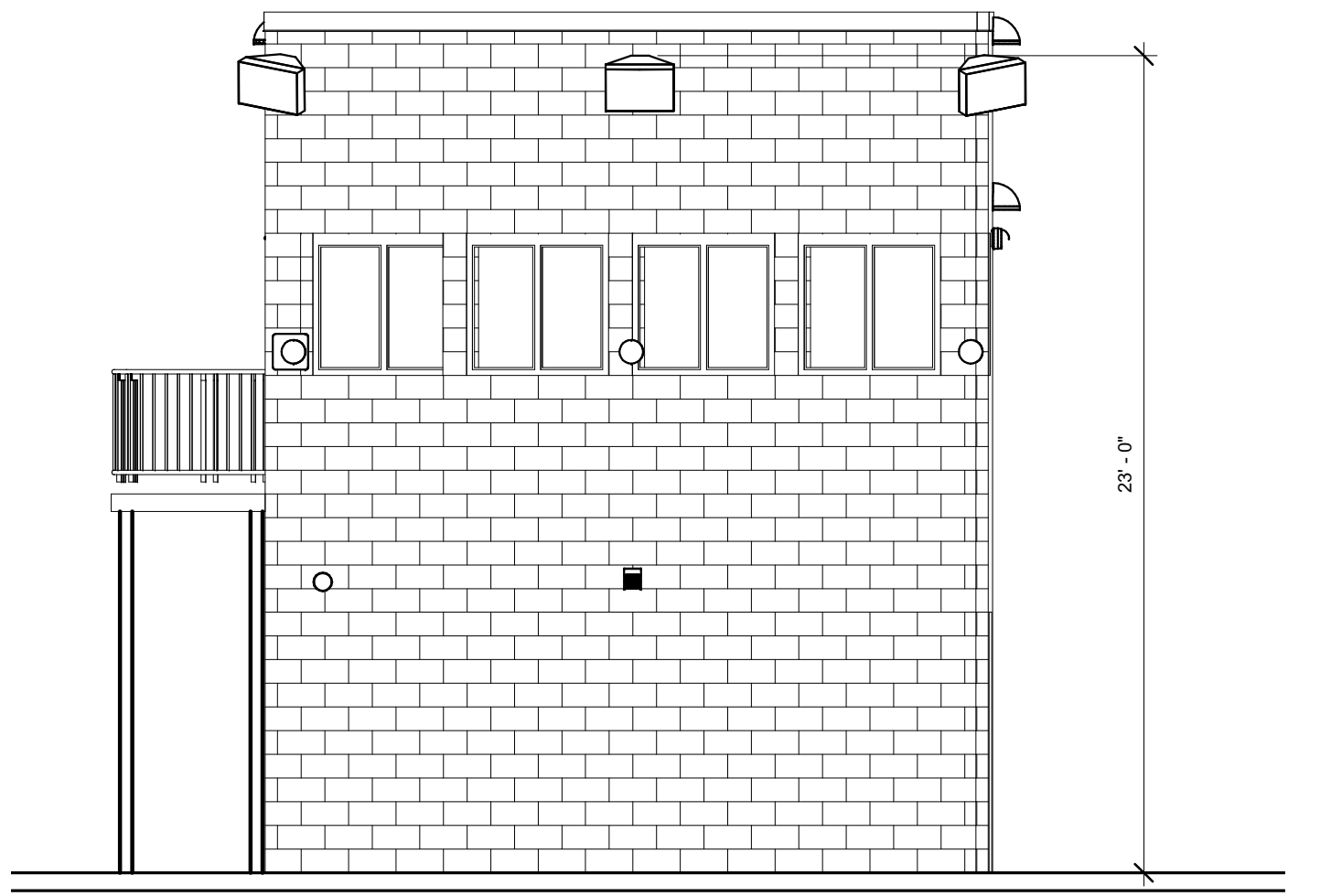




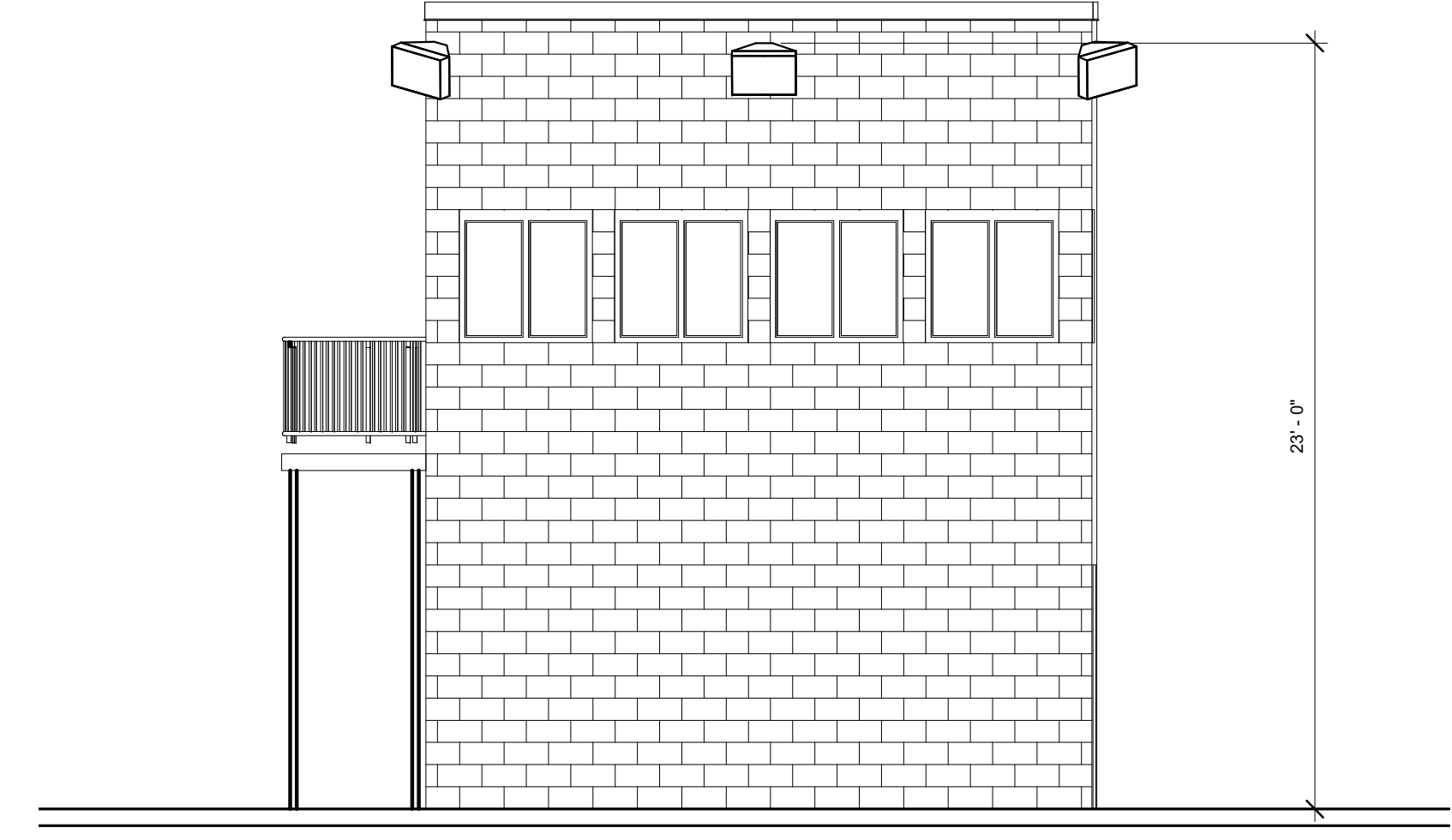
5 BACKBONE FIBER/CAT 6 CABLING DIAGRAM  
1" = 10'-0"



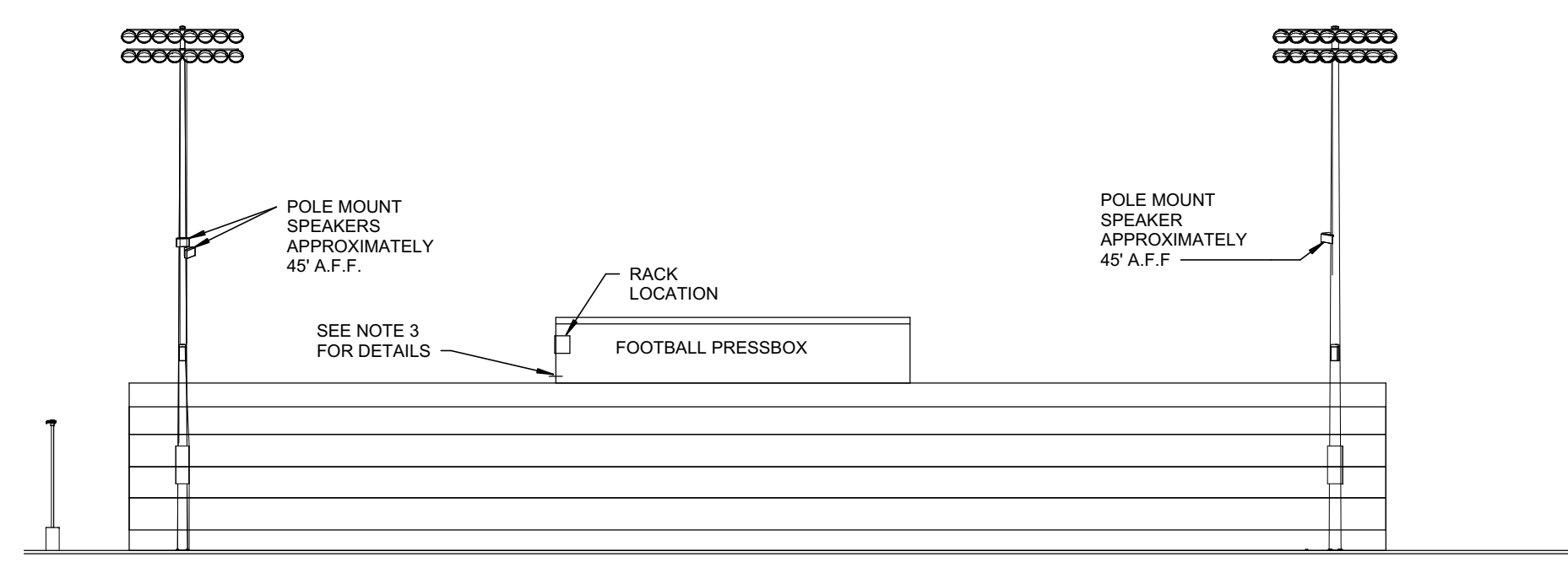
3 FOOTBALL PRESSBOX  
1/8" = 1'-0"



1 BASEBALL PRESS BOX ELEVATION  
1/4" = 1'-0"



2 SOFTBALL ELEVATION  
1/4" = 1'-0"



- NOTES:
1. PROVIDE SPEAKERS AS SPECIFIED.
  2. ROUTE CABLING FROM SPEAKERS TO WALL MOUNTED RACK IN THE FOOTBALL PRESSBOX.
  3. PROVIDE (1) 2" CONDUIT AND (1) 2-GANG WEATHERPROOF OUTLET COVER FOR OWNER PROVIDED VIDEO CAMERA EQUIPMENT. ROUTE CONDUIT TO TELECOM RACK LOCATION IN FOOTBALL PRESS BOX.

4 FOOTBALL PRESS BOX ELEVATION  
1" = 20'-0"



Project No. 2017-105 ATF  
Project Date 02.17.2021  
Produced Designer Author



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#	Revision	Date
A2	ADDENDUM #2	03.15.21
A3	ADDENDUM #3	03.22.21

5926 Calumet Ave  
Hammond, IN 46320



KEY PLAN

School City of Hammond



Hammond Central HS - BID PACKAGE 3

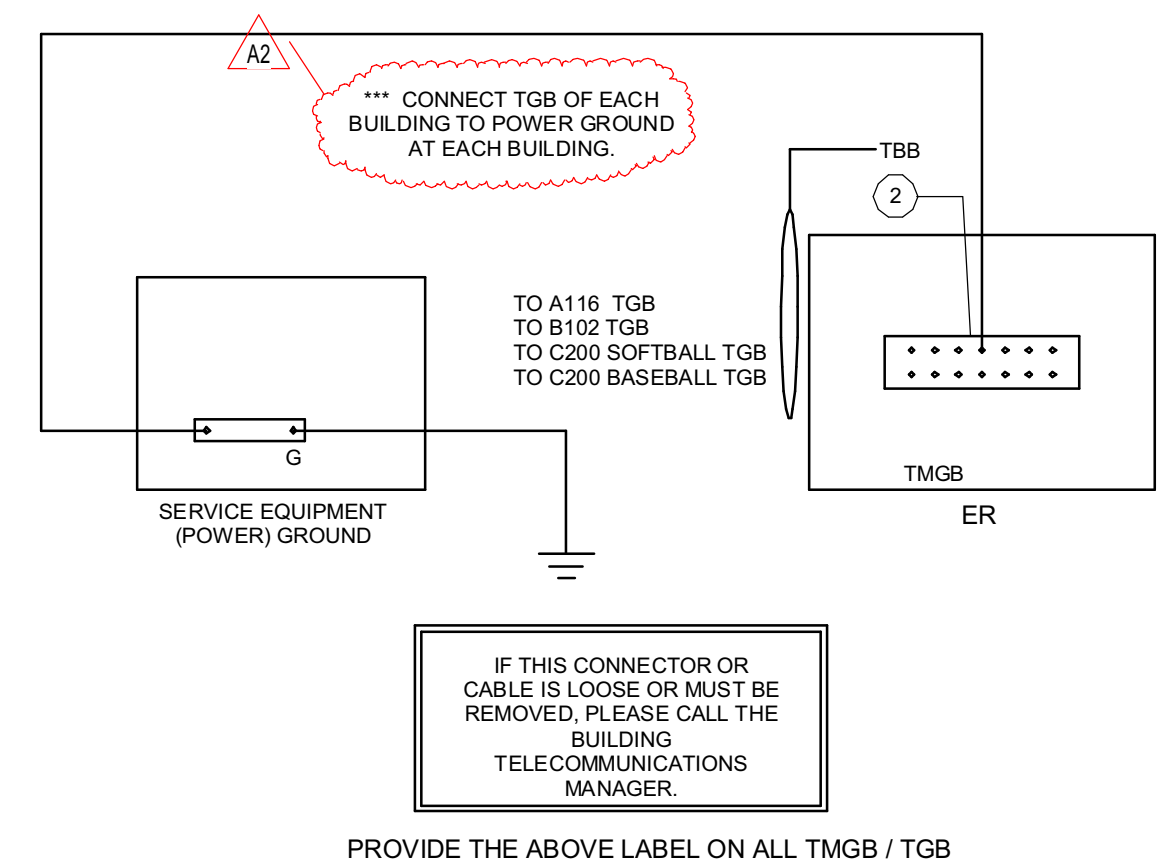
TELECOMMUNICATIONS SITE PLAN DETAILS

TS-501

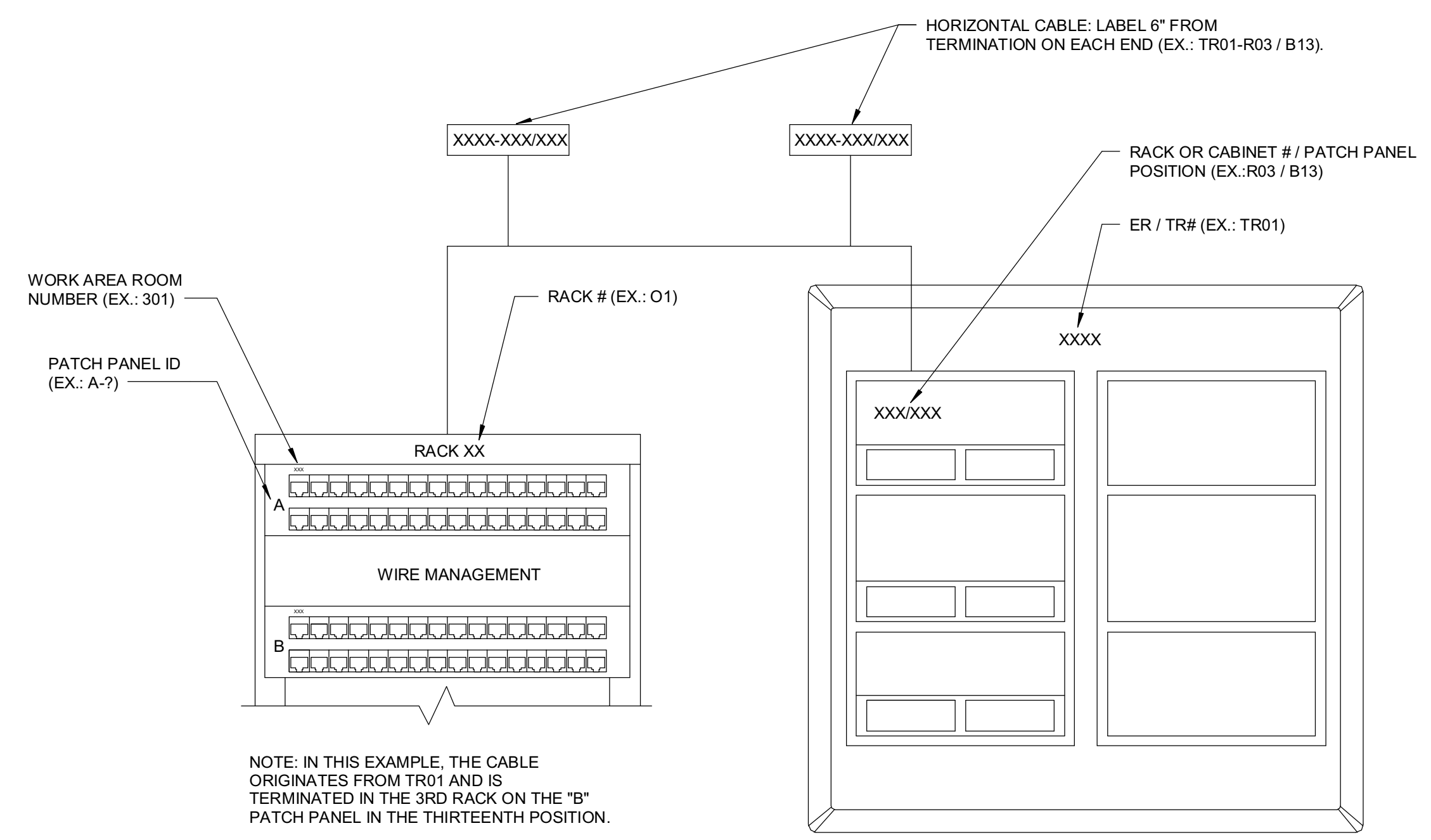


SIZING OF THE TBB	
TBB LENGTH (FEET)	TBB SIZE (AWG)
LESS THAN 13	6
14-20	4
21-26	3
27-33	2
34-41	1
42-52	1/0
53-66	2/0
67-84	3/0
85-105	4/0
106-125	250 kcmil
126-150	300 kcmil
151-175	350 kcmil
176-250	500 kcmil
251-300	600 kcmil
Greater than 301	750 kcmil

CONFIRM ALL SIZING WITH J-STD-607-A



**GROUNDING**



**4E ER/TR RACK/PATCH PANEL, WORK AREA OUTLET FACEPLATE LABELING**

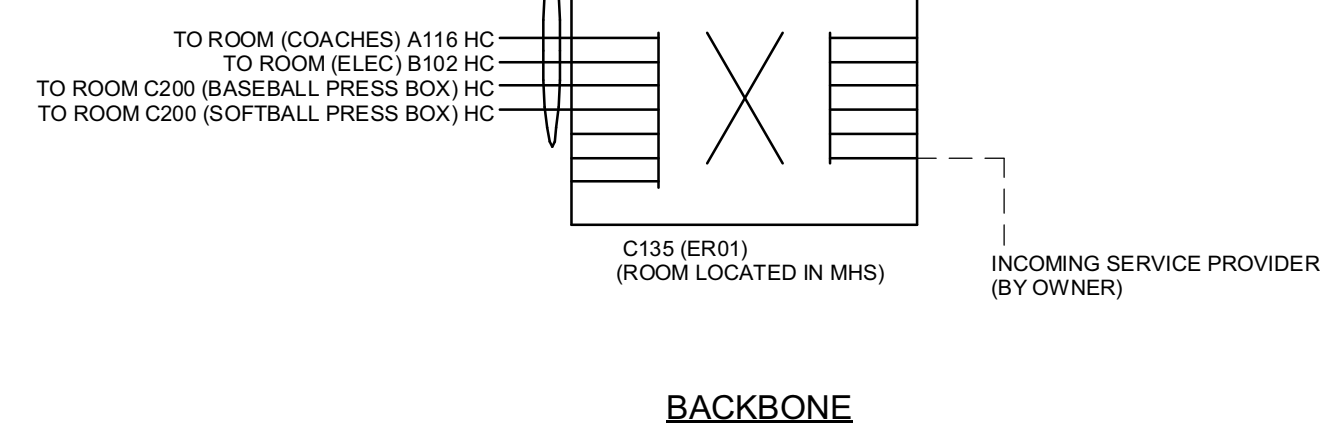
**ROUGH-IN GENERAL NOTES:**

1. TERMINATE ALL ROUGH-IN CONDUITS WITH 90 DEGREE SWEEP AND BUSHINGS IN NEAREST CONCEALED ACCESSIBLE CEILING SPACE.
2. CONDUIT BEND RADIUS TO BE COMPLIANT WITH BICSI TDMM MANUAL 12TH ED.
3. ALL ROUGH-IN CONDUITS ARE 1" UNLESS OTHERWISE NOTED.
4. PROVIDE NO MORE THAN THE EQUIVALENT OF (2) 90 DEGREE BENDS IN A SINGLE CONDUIT RUN.
5. ROUGH-IN OUTLET BOXES TO HAVE 90 DEGREE OPENING CORNERS ON FACE OF BOX.
6. ALL ROUGH-INS BY ELECTRICAL CONTRACTOR.

**ABBREVIATIONS:**  
 MC - MAIN CROSS-CONNECT  
 HC - HORIZONTAL CROSS-CONNECT  
 ER - EQUIPMENT ROOM  
 TR - TELECOMMUNICATIONS ROOM  
 TBB - TELECOMMUNICATIONS BONDING BACKBONE  
 TGB - TELECOMMUNICATIONS GROUNDING BUSBAR  
 TMGB - TELECOMMUNICATIONS MAIN GROUNDING BUSBAR  
 BC - TELECOMMUNICATIONS BONDING CONDUCTOR

**DRAWING NOTES:**

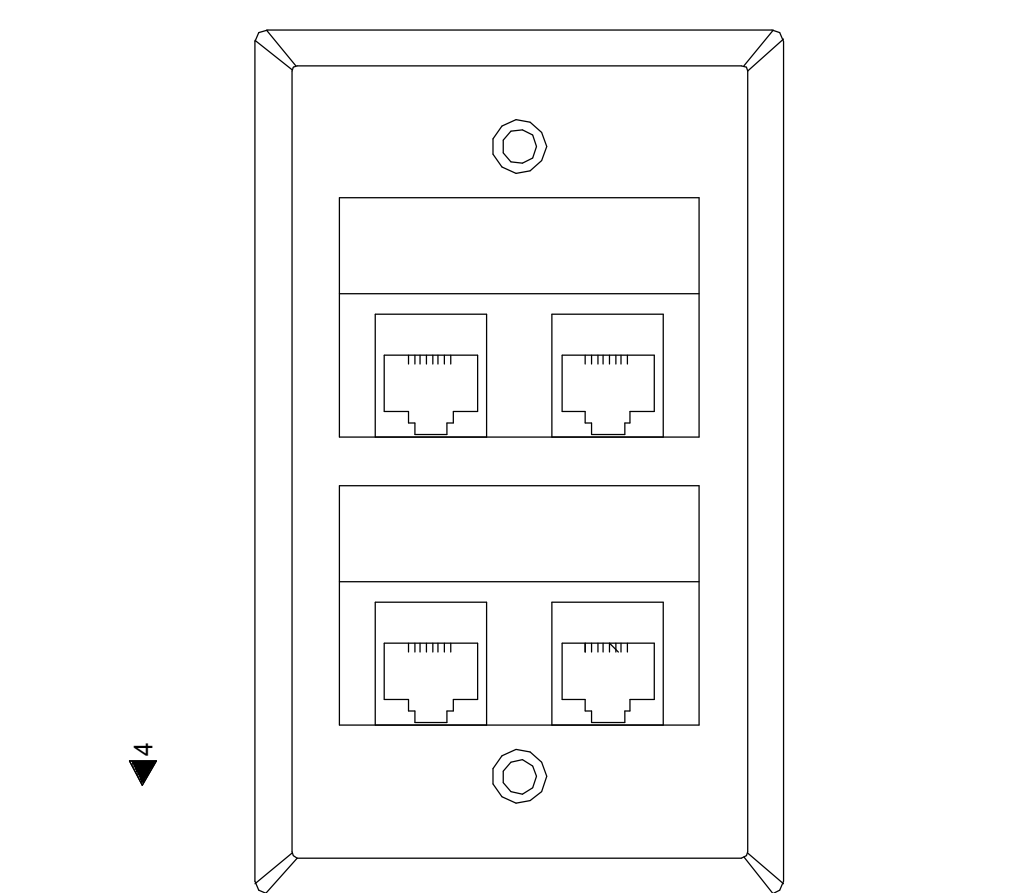
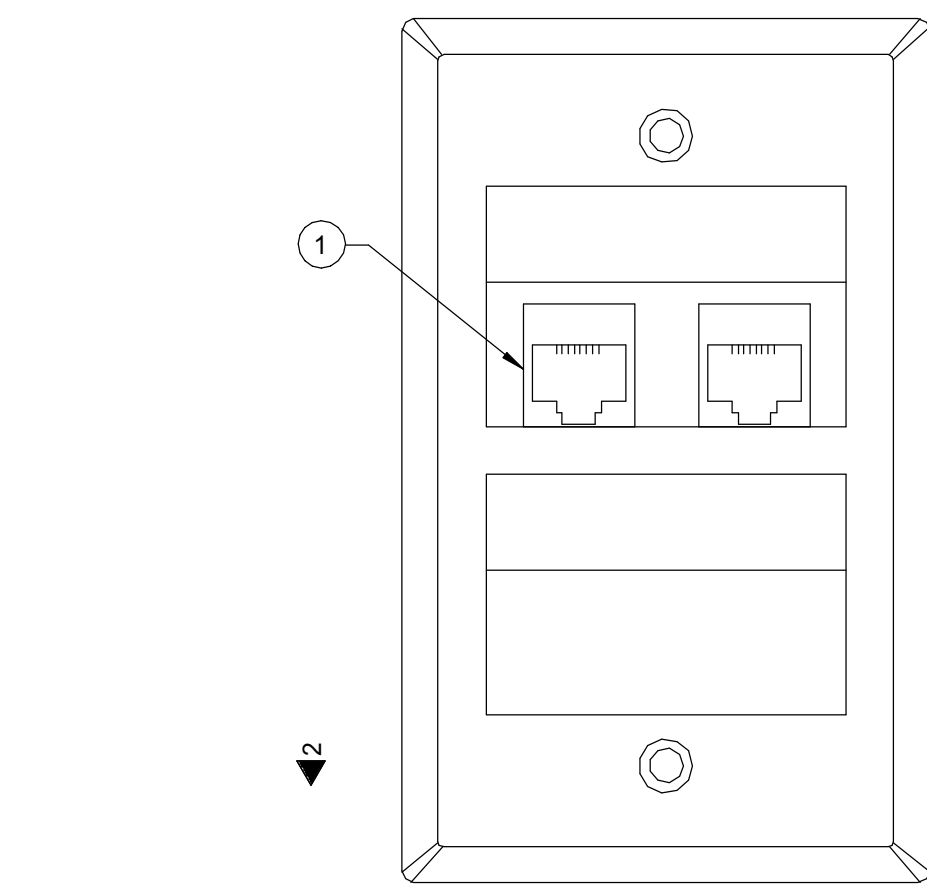
1. PROVIDE TELECOMMUNICATIONS BACKBONE CABLING AND GROUNDING / BONDING TBB BETWEEN THE MC AND EACH HC/IC AS FOLLOWS:  
 - (1) 6 STRANDS OF MULTI-MODE FIBER AS SPECIFIED.  
 - TBB SIZED PER STANDARDS
2. WITHIN THE TELECOMMUNICATIONS EQUIPMENT ROOM (ER) AND EACH TELECOMMUNICATIONS ROOM (TR) BOND THE TMGB AND EACH TGB TO THE FOLLOWING:  
 - STRUCTURAL STEEL  
 - ALL METALLIC MATERIAL  
 - CABLE TRAY  
 - EQUIPMENT CABINETS AND RACKS



**GENERAL NOTES:**

1. ALL WORK INDICATED SHALL BE FULLY COMPLIANT WITH THE FOLLOWING STANDARDS:  
 A. ANSI / TIA / EIA - 568 - B COMMERCIAL BUILDING TELECOMMUNICATIONS STANDARD PART 1, PART 2 AND PART 3 INCLUDING ALL SUB-PARTS AND ADDENDUMS.  
 B. TIA - 569 - B COMMERCIAL BUILDING STANDARD FOR TELECOMMUNICATIONS PATHWAYS AND SPACES INCLUDING ALL SUB-PARTS AND ADDENDUMS.  
 C. ANSI / TIA / EIA - 606 - A ADMINISTRATION STANDARD FOR COMMERCIAL TELECOMMUNICATIONS INFRASTRUCTURE INCLUDING ALL SUB-PARTS AND ADDENDUMS.  
 D. ANSI - J - STD - 607 - A COMMERCIAL BUILDING GROUNDING (EARTHING) AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS.
2. ROUTE ALL TBB ALONG PRIMARY PATHWAY WITH TELECOMMUNICATIONS CABLING.
3. COORDINATE SPECIFIC EQUIPMENT ELEVATIONS WITH ARCHITECT ENGINEER.

**6D BACKBONE / GROUNDING SCHEMATICS**

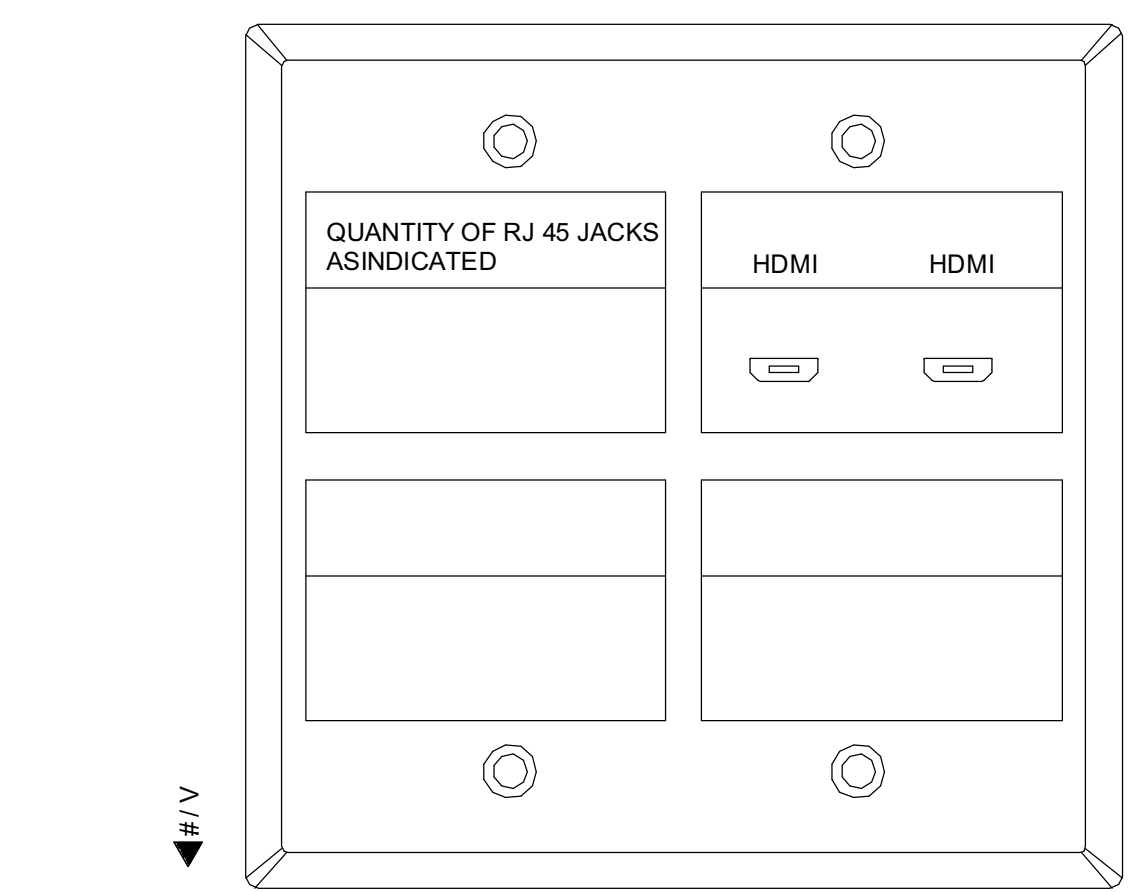


**GENERAL NOTES:**

GENERAL NOTES  
 1. WHERE TELECOMMUNICATIONS OUTLETS ARE INSTALLED IN MULTI-COMPARTMENT SURFACE RACEWAY, PROVIDE 100 JACK FRAMES AS REQUIRED AND STANDARD FACEPLATES TO MATCH ELECTRICAL POWER OUTLET.

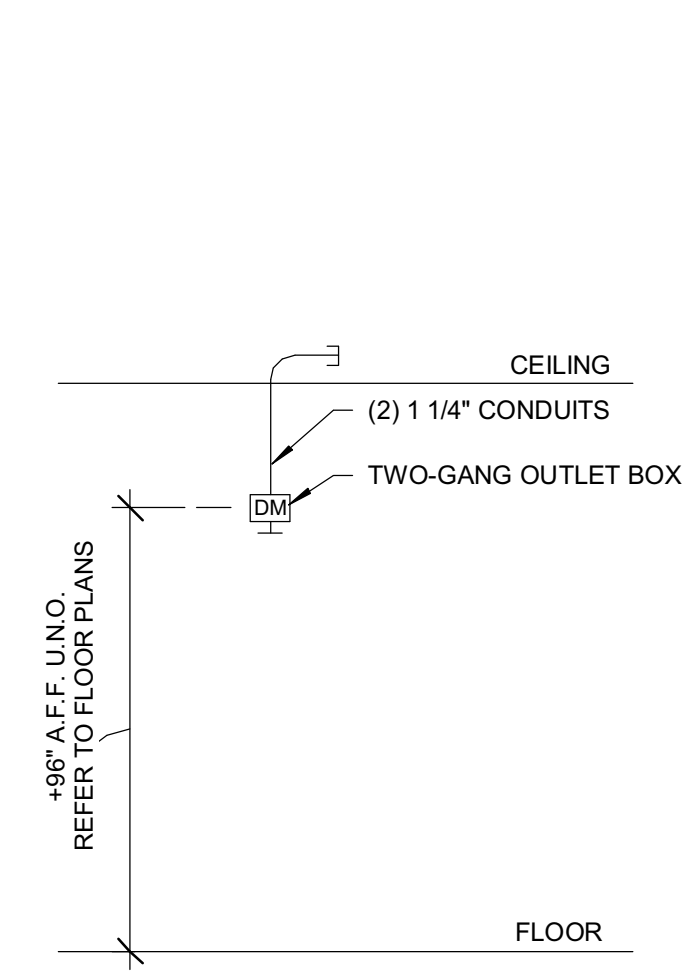
**PLAN NOTES:**

1 FIRST POSITION DESIGNATED FOR VOICE SERVICES AT FACULTY AND STAFF DESK LOCATIONS.

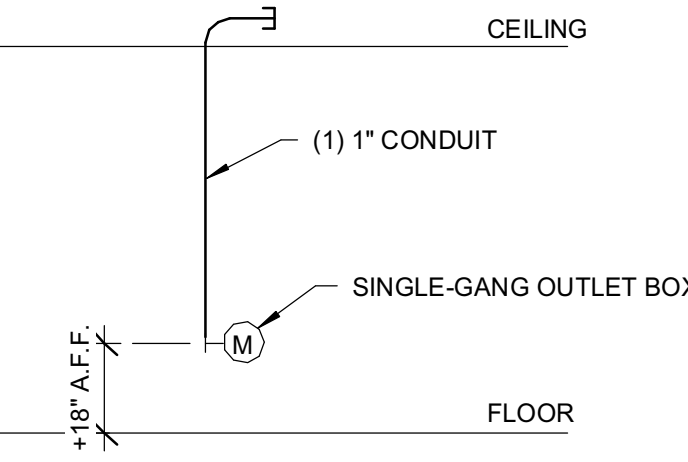


**6A FACE PLATE DETAILS**

**4C CABLE SUPPORT DETAIL**



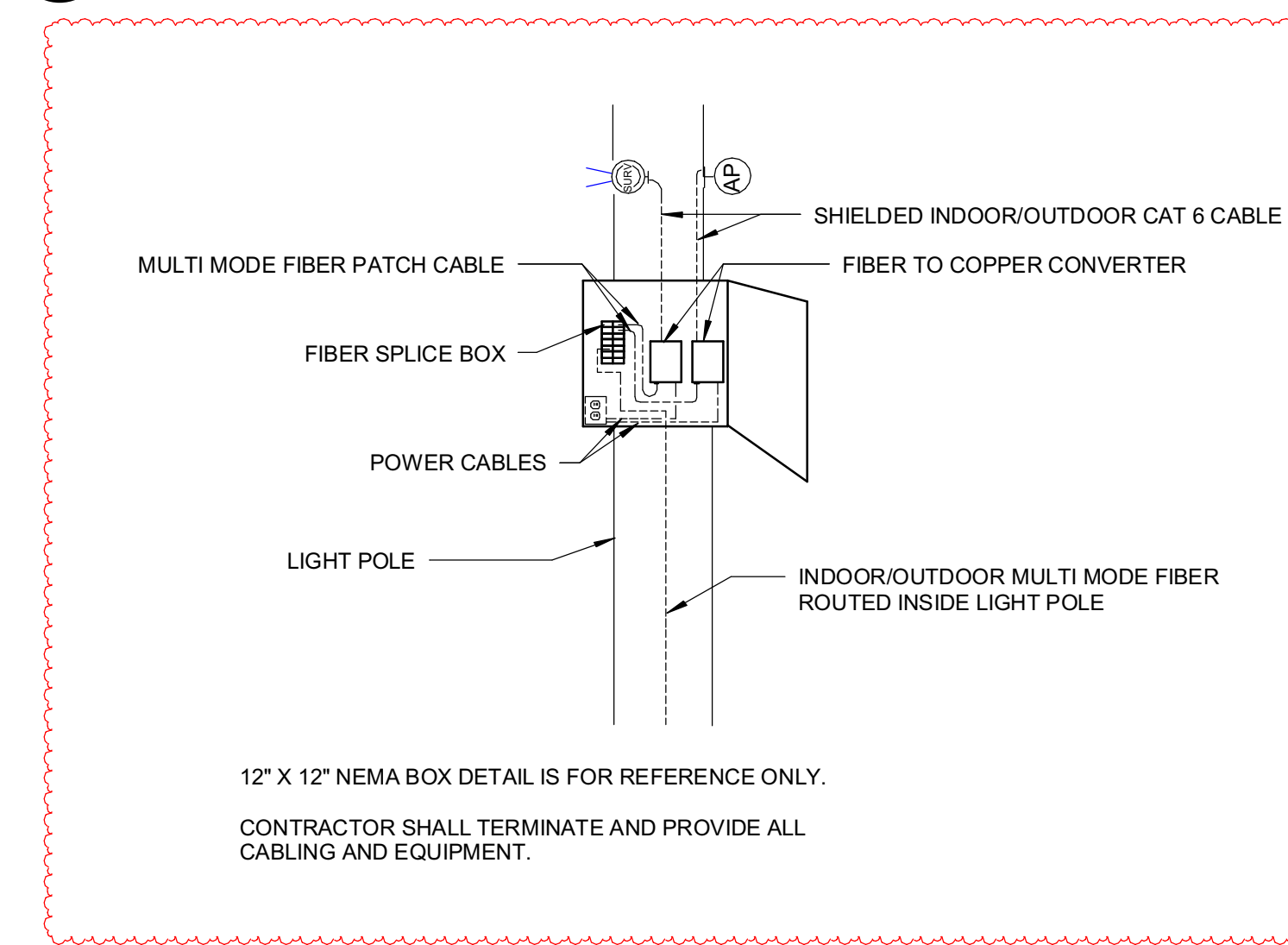
**4B WALL-MOUNTED DISPLAY MONITOR ROUGH-IN**



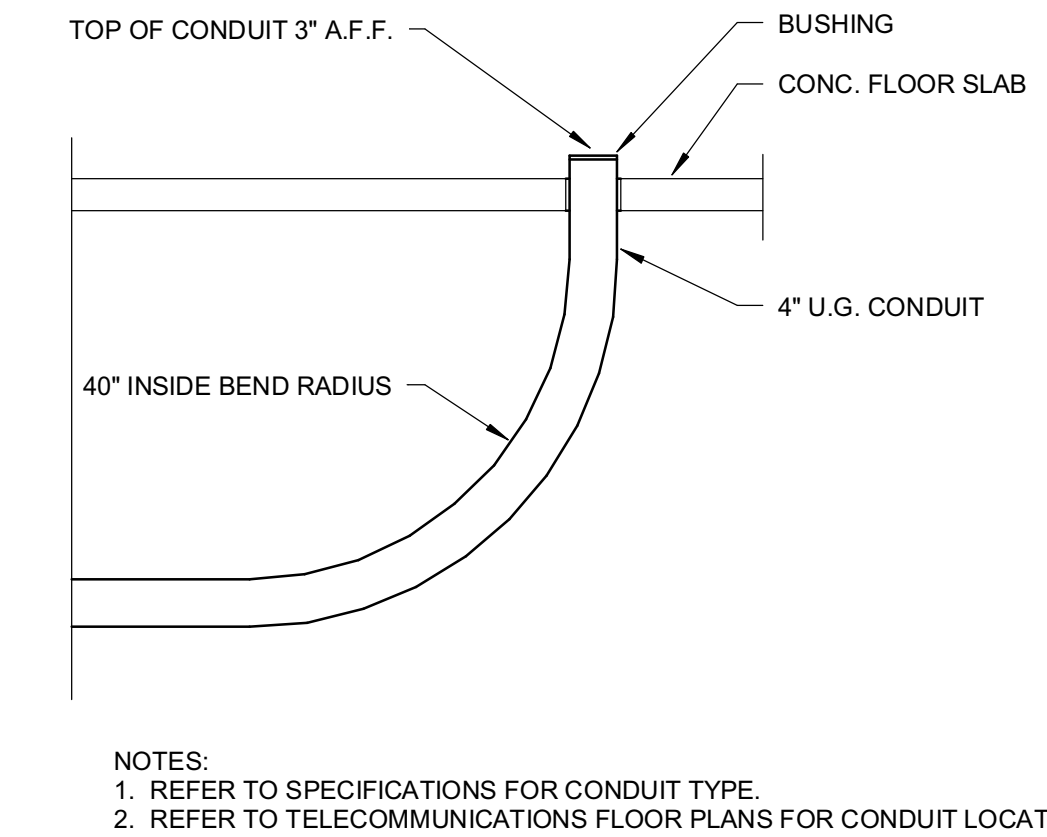
**4A MICROPHONE ROUGH-IN**



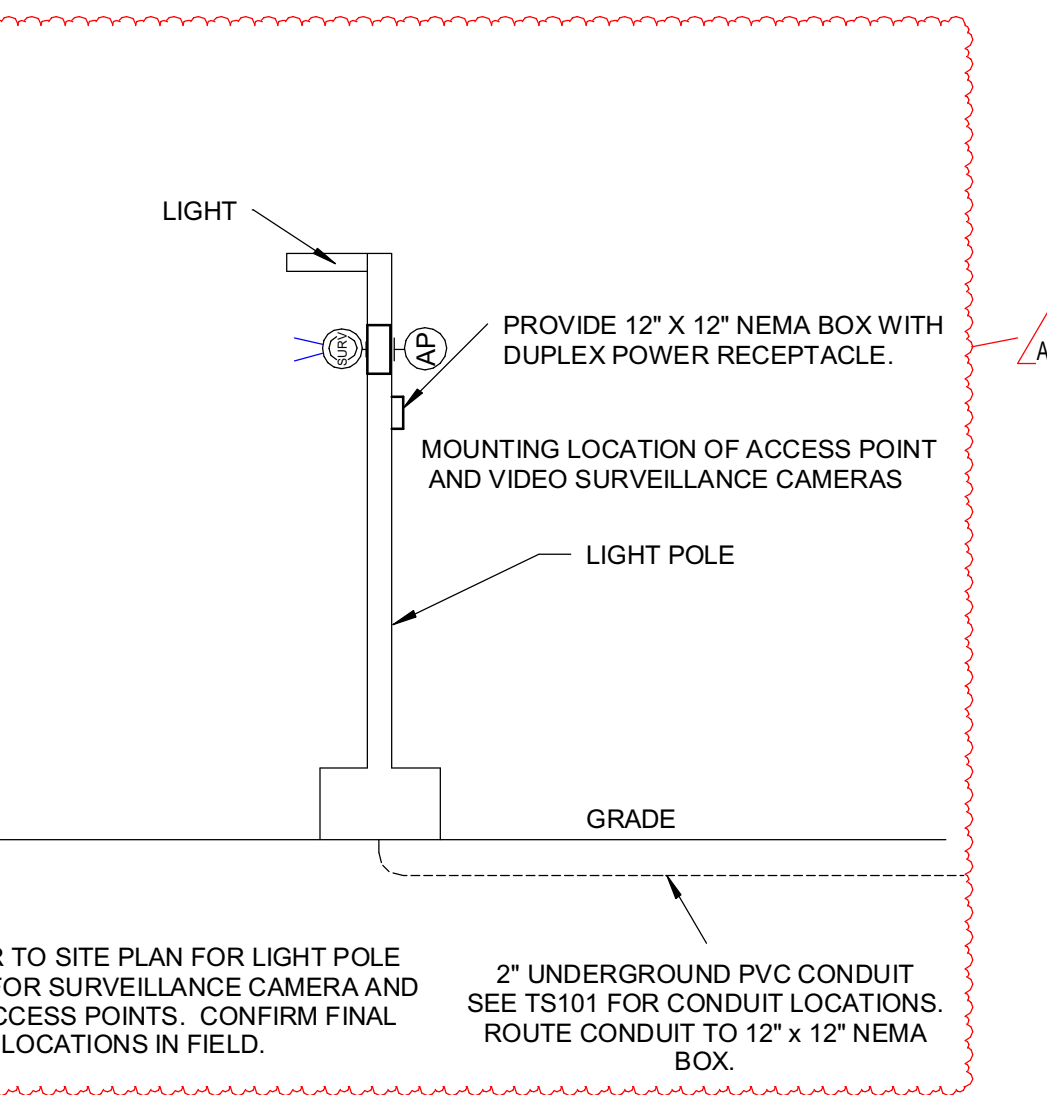
**2A EXTERIOR SURVEILLANCE ROUGH-IN**



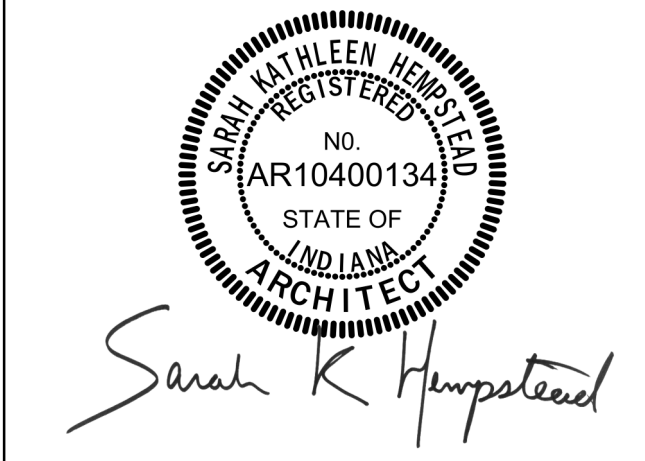
**1B UNDER GROUND CONDUIT FLOOR TERMINATION DETAIL**



**1A VIDEO SURVEILLANCE CAMERA/AP MOUNTING TO LIGHT POLE**



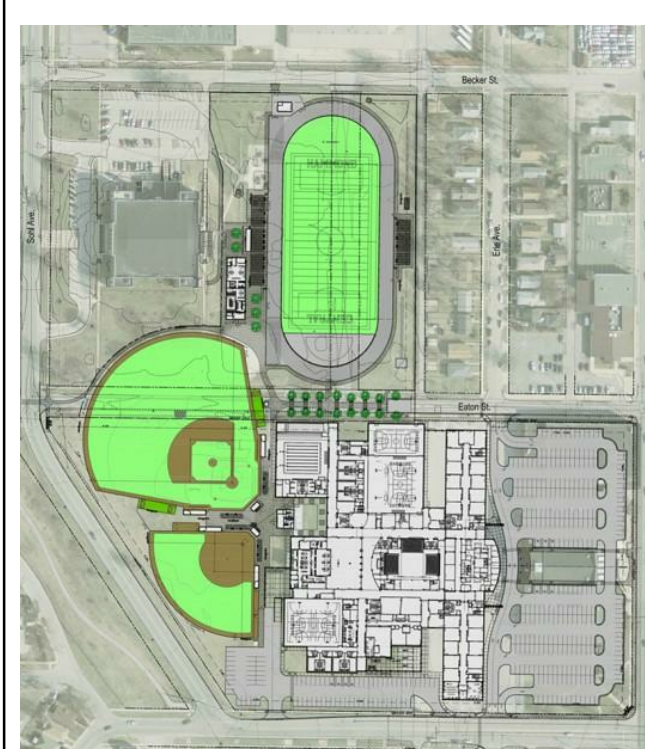
Project No. 2017-105 ATF  
 Project Date 02.17.2021  
 Produced JB



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#	Revision	Date
A2	ADDENDUM #2	03.15.2021
A3	ADDENDUM #3	03.22.2021

5926 Calumet Ave  
 Hammond, IN 46320



KEY PLAN

School City of Hammond  

 School City of Hammond

Hammond Central HS - BID PACKAGE 3

TELECOMMUNICATIONS DETAILS

T-501

DATE: 02/17/2021 10:40:00 AM  
 PROJECT: Hammond Central HS - Bid Package 3  
 DRAWING: T-501  
 SHEET: 3 OF 3