



**ROCKFORD BOARD OF EDUCATION
INVITATION FOR BID ON SUPPLIES, MATERIALS, EQUIPMENT OR SERVICES
FOR SCHOOL DISTRICT NO. 205
ROCKFORD, ILLINOIS**

IFB No. **18-62 Washington Paving Improvements**

DATE: **June 25, 2018**

RE: **ADDENDUM NO. 1**

To All Bidders:

Included are modifications, clarifications and/or corrections for the Project Manual and are hereby made a part of the contract documents. Please attach this addendum to the Project Manual(s) in your possession. Please note the receipt of this addendum on the bid form. Bidders shall review changes to all portions of this work as changes to one portion may affect the work of another.

If you plan to hand deliver your IFB submission on the due date, please note you must check in on the 2nd floor prior to coming to the bid opening. Please allow time for this as late submission will not be accepted.

Refer all questions relative to the business aspect, Instructions to Bidders, Special Conditions, and questions concerning the technical aspect of the documents to the Director of Purchasing by email at purchasingdeptstaff@rps205.com.

ROCKFORD BOARD OF EDUCATION

By: Dane Youngblood
Director of Purchasing



Addendum 1

RPS205 Washington Pavement Improvements

From: Jeff Linkenheld, Arc Design Resources

Date: June 25, 2018

This addendum forms a part of the Bidding and Contract Documents and modifies the original bidding documents issued on June 14, 2018. Acknowledge receipt of this addendum on the submitted bid form.

Important Dates

The bid due date is Friday, June 29th, 2018 at 2:00PM. Bids are to be delivered to the Rockford Board of Education, 6th floor conference room, 501 Seventh St., Rockford, IL 61104. Please note that you must check in on the 2nd floor before coming to the 6th floor.

RFIs will be accepted until 12:00 P.M on June 26, 2018. The last addendum, if necessary, will be issued June 26, 2018. The RPS Board Meeting will be Tuesday, July 10, 2018. The project will be awarded July 11, 2018.

Additional Clarifications

- The alternate bid consists of removing existing pavement where the dumpsters currently are, installing a PCC pad, and the trash enclosure.
- On sheet C03, the 24 noted parking stalls affected by the storm sewer construction shall be restriped.
- On sheet C04, turf reinforcement mat will be placed upon the entire width of the green space in which the swale is located, rather than just along the center of the swale as originally noted.

Attachments:

- PDF copy of revised plans
- Pre-bid sign in sheet

End of Addendum 1



ROCKFORD PUBLIC SCHOOLS
 IFB 18-62 Washington Pavement Improvements
 Pre-Bid Meeting Sign-In Sheet
 June 22, 2018 at 10:00 a.m.

PRE-BID MEETING SIGN-IN SHEET

IFB 18-62 Washington Pavement Improvements

PLEASE WRITE EMAIL ADDRESS SO THAT IT IS LEGIBLE IN ORDER TO RECEIVE ADDENDUM INFORMATION

| | Printed Name | Company Name | Company Address | Telephone | E-mail |
|---|------------------|----------------------------|--------------------------------------|----------------|-------------------------------------|
| 1 | TAMARA LUNER | STENSTROM | 2422 CENTER ST. | 815-398-3478 | Excavation@STENSTROM.CI |
| 2 | BEARN AMELING | NOBLESSEN ILLINOIS SERVICE | 4761 SANDY HOLLOW CD. ROCKFORD 61109 | 815.874.4422 | ESIMANN@NOBLESSENILLINOISERVICE.COM |
| 3 | Joe Altenhoff | Arc Design Resources | 5291 Zenith Pkwy | | |
| 4 | Michael Heithing | " " | Leaves Park, IL 61111 | (815) 484-4800 | joe@hthentl |
| 5 | Dyana Hrynchuk | N-TERR GROUP | 1523 Windsor Ave | 815-282-3000 | thathaway@ntrkgp.com |
| 6 | KENNY BERNARD | RPS 205 | | | |
| 7 | | | | | |
| 8 | | | | | |

1. All earthwork, grading and paving shall be performed in accordance with Standard Specifications for Road and Bridge Construction in Illinois, State of Illinois department of transportation, latest edition, and all revisions and supplements thereto, the specifications contained in this project manual, and the requirements and specifications of the City of Rockford. In case of conflict between the standard specifications and the project specific specifications in this manual, the specifications in the manual shall govern.
2. The water main shall be constructed in accordance with "Standard Specifications for Water and Sewer Main Construction" in Illinois latest edition and the standard specifications and requirements of the City of Rockford (water). The contractor is responsible for familiarizing himself with these requirements.
3. The City of Rockford engineering department must be notified by the contractor at least two (2) working days prior to the commencement or resumption of any work.
4. The contractor shall keep careful measurements and records of all construction and shall furnish the owner with record drawings upon completion of his work.
5. The contractor shall verify the location of all utilities in the field prior to construction. This includes sanitary sewer, water main, storm sewer, telephone, electric, gas, and cable television, if any. The U.L.I.E. number is 1-800-892-0123.
6. All work performed by the contractor shall come with a warranty against defects in workmanship and materials. This warranty period shall run concurrent with the required warranty periods the owner must provide to each local government agency, as a condition of the permit. At a minimum, a 12 month warranty is required. Coordinate with each local agency for any additional requirements.
7. Any excess clean fill dirt shall be disposed of by the contractor at the contractor's preferred offsite location and at the contractor's expense. All other debris must be disposed of at an offsite location at the contractor's expense.
8. All structures, inlets, pipes, swales and roads must be kept clean and free of dirt and debris at all times.
9. The contractor is responsible for maintaining adequate signs, barricades, fencing, traffic control devices and measures, and all other measures that are necessary to protect the safety of the site at all times. All traffic control must be maintained at all times in accordance with current MUTCD and State of Illinois standards.
10. Contractor is responsible to provide secure storage for his own equipment. Designated storage locations will be identified for the contractor. Contractor will have the option of installing secure trailer or fenced yard at his expense at a location designated by the owner.
11. Any adjacent lands disturbed by the contractor shall be restored by the contractor to the satisfaction of the owner. It is in the contractors interest to control his equipment and haul routes to minimize disturbance to adjacent lands.
12. The contractor, by agreeing to perform the work, agrees to indemnify and hold harmless the owner, the engineer, the city of rockford, and all agents and assigns of those parties, from all suits and claims arising out of the performance of said work, and further agrees to defend or otherwise pay all legal fees arising out of the defense of said parties.
13. All elevations are NAVD 88 datum.
14. Any field tiles encountered during construction shall be recorded showing size, location, and depth by the contractor, and either reconnected and rerouted or connected to the storm sewer system. The owner shall be notified immediately upon encountering any tile.
15. The contractor shall field verify the elevations of the benchmarks prior to commencing work, the contractor shall also field verify the location and elevation of existing pipe inverts, curb or pavement where matching into existing work. The contractor shall field verify horizontal control by referencing property corners to known property lines. notify the engineer of discrepancies in either vertical or horizontal control prior to proceeding.
16. Property corners shall be carefully protected until they have been referenced by a professional land surveyor.
17. Contractor shall use the owner's engineer, as design resources for construction layout services and shall Contact Arc Design directly to negotiate required scope of services and fee. Contractor shall include all necessary construction layout in his bid. Contact Kurt Thomas at 815-484-4300 x247.

3. Storm sewer shall be constructed in accordance with the following:

- A. "Standard Specifications for Water and Sewer Main Construction in Illinois" (Standard Specifications), latest edition, and all revisions and supplements thereto.
- B. Concrete pavement shall be constructed in accordance with the Illinois Department of Transportation (IDOT) "Standard Specifications for Road and Bridge Construction" (Standard Specifications), latest edition, including all updates and standards thereto.
- C. Standards and requirements of City of Rockford.
- D. Additional details and requirements provided in the contract documents, including this plan set.

Where criteria of the aforementioned specifications conflict, the more stringent criteria shall be implemented.

2. Material Specifications. All storm sewer system elements shall conform to the following specifications:

- A. Sewer Pipe. All storm sewer pipe shall be reinforced concrete pipe unless otherwise specifically noted in this plan set.
 - a. Pump pump services connection and storm sewer extension 4" and 6" -ABS sewer pipe or PVC sewer pipe ASTM D2751, SDR35, or ASTM D3034, SDR35, respectively.
 - b. Concrete sewer pipe (10" diameter and smaller), minimum Class C, ASTM C14.
 - c. Reinforced concrete pipe (12" diameter and larger), circular reinforcement, minimum Class C, with B, ASTM C76.
 - d. Reinforced concrete arch culvert pipe -double line reinforcement, minimum Class C, ASTM C506.
 - e. Reinforced concrete elliptical culvert pipe -minimum Class HE-III or VE-III, ASTM C507.
 - f. PVC underdrain pipe (4" and 6") -ASTM D2729, SDR35.
 - g. Galvanized corrugated steel culvert pipe AASHTO M246, Type B, minimum wall thickness 14 gauge (shall only be used for culverts).
- B. Sewer Pipe Joints.
 - a. ABS pipe -ASTM C443.
 - b. PVC pipe -ASTM D3212, push-on type, except underdrain pipe which shall have solvent welded joints.
 - c. Reinforced concrete pipe -ASTM A443 ("O" ring).
- C. Casing Pipes. Steel pipe -ASTM A120, 3/8" minimum thickness.
- D. Manholes and Catch Basins.
 - a. Precast reinforced concrete -ASTM C478.
 - b. Size:
 - i. For sewer eighteen inches in diameter or less, manhole shall have a forty-eight inches inside diameter.
 - ii. For sewer twenty-one to thirty-six inches in diameter, manhole shall have a sixty inch inside diameter.
 - iii. For sewer larger than thirty-six inches in diameter, manhole shall have an offset riser pipe of forty-eight inches inside diameter.
 - f. Adjustment: No more than two precast concrete adjusting rings with six inch maximum height adjustment shall be allowed.
 - g. Inlets and frame. All pipe connection openings shall be precast with resilient rubber watertight pipe to manhole sleeves or seals. External flexible watertight sleeves shall also extend from the manhole cone to the manhole frame. Pipe and frame seals: All pipe connection openings shall be made watertight with hydraulic cement. The hydraulic cement sealing pipe connections shall extend the full thickness of the structure wall. Hydraulic cement shall also be applied within the structure from the cone section, past all adjustment rings, to the frame.
- E. Bottom sections: All bottom sections shall be monolithically precast including bases and invert flowlines.
- F. Inlets.
 - a. Precast reinforced concrete -ASTM C478 and ASTM C443.
 - b. Size: Inlets shall have a twenty-four inch inside diameter and a maximum depth of four feet.
 - c. Adjustment: No more than two precast concrete adjusting rings with six inch maximum height adjustment shall be allowed.
 - d. Only one pipe connection is allowed, and it shall be precast with resilient rubber watertight pipe to manhole sleeves or seals. External flexible watertight sleeves shall also extend from the manhole cone to the manhole frame.
- G. Bottom sections: All bottom sections shall be monolithically precast including bases and invert flowlines.
- H. Castings (Unless otherwise noted within the plans)
Manhole frame and cover -Use area inlet as listed below unless specified as a "closed lid" in this plan set. Closed lid frame and covers shall be Neenah No. R-1772-C embossed "STORM SEWER".
 - a. Manhole steps -Neenah No. R-1981-1
 - b. Six inch curb and gutter inlet -Neenah No. R-3032
 - c. Yard Inlet -Neenah No. R-2579
 - d. Parking lot inlet -Neenah No. R-2450.
- I. Crushed Granular Bedding: Crushed gravel or crushed stone coarse aggregate -ASTM C33, Size No. 67.

3. All end sections 24" and greater shall come equipped with trash grate and toe block in compliance with Illinois Department of Transportation standard.

4. Inspect pipe for defects and cracks before being lowered into the trench, piece by piece. Remove and replace defective, damaged or unsound pipe or pipe that has its grade disturbed after laying. Protect open ends with a stopper to prevent earth or other material from entering the pipe during construction. Remove dirt, excess water, and other foreign materials from the interior of the pipe during the pipe laying progress.

5. Install in accordance with manufacturer's written recommendations.

6. Commence installation at the lowest point for each segment of the route. Lay RCP with the groove or bell end up stream.

7. Lay pipe to the required line and slope gradients with the necessary fittings, bends, manhole, risers and other appurtenances placed at the required location as noted on Drawings.

8. All storm sewers under and within two feet of any existing or proposed pavement shall be backfilled with granular backfill material IDOT gradation FA-6 or approved equal. (Grade 8 or Grade 9).

9. Compact backfill to 98 percent of maximum density in accordance with ASTM D698, (or 95 percent of maximum density, in accordance with ASTM D1557) obtained at optimum moisture as determined by AASHTO T180.

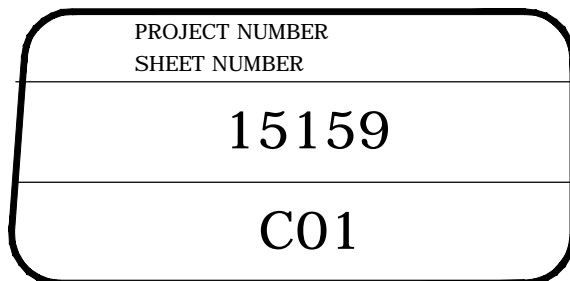
10. Do no backfill coverages until required tests are performed and utility systems comply with and are accepted by applicable governing authorities.

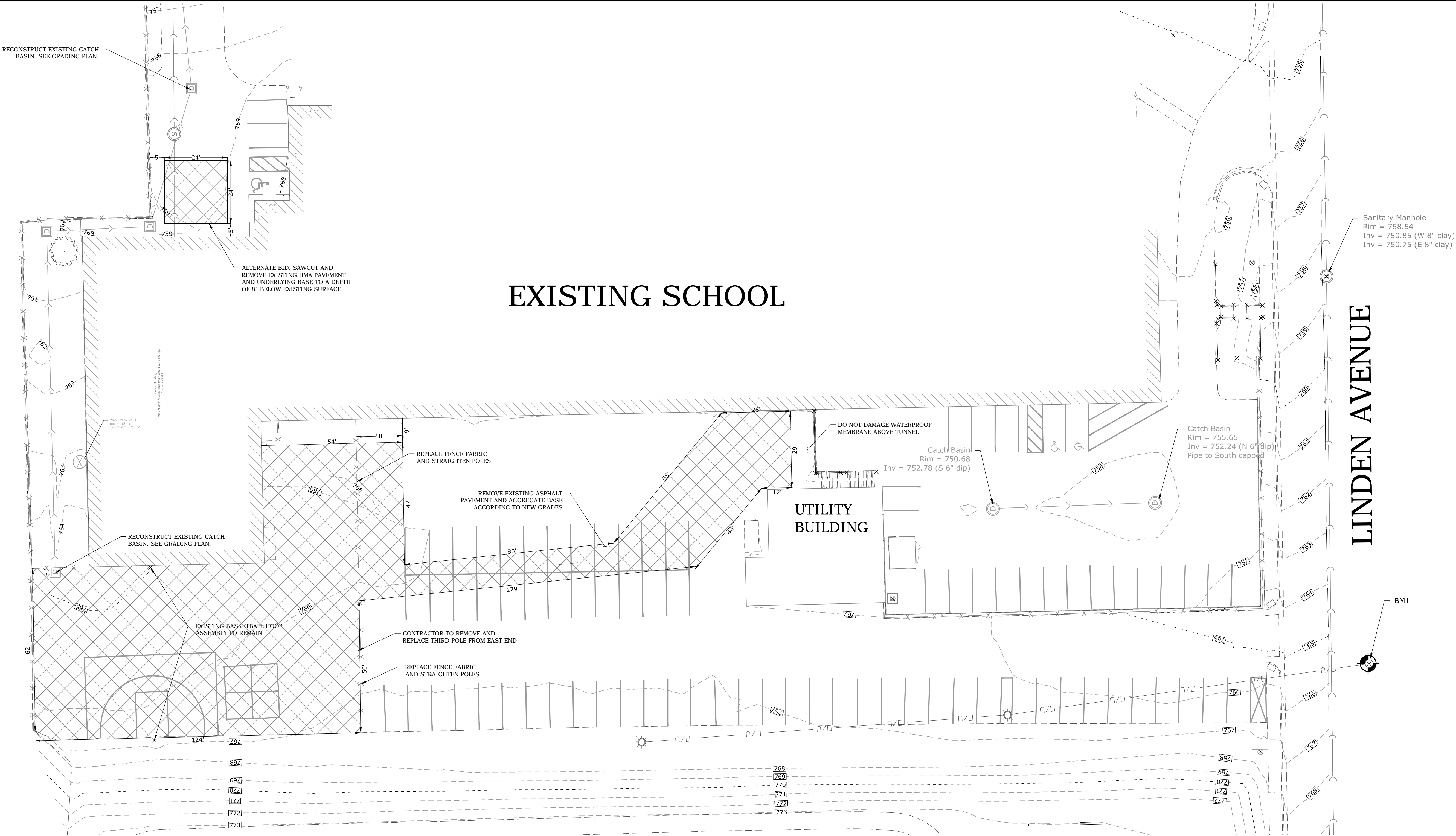
11. Backfill trenches to contours and elevations shown on the drawings.

1. Apply two (2) coats for all pavement markings.
2. Material description: a fast drying, high hiding marking paint for concrete, brick and bituminous surface; this product has been designed for painting centerlines and edgelines of highways, City crosswalks and stop zones, parking lots, traffic aisles, etc. Do not apply to in temperatures below 50 F.

1. All pavement shall be constructed in accordance with the following:
 - A. Concrete pavement shall be constructed in accordance with the Illinois Department of Transportation (IDOT) (Standard Specifications for Road and Bridge Construction) (Standard Specifications), latest edition, including all updates and standards thereto.
 - B. Standards and requirements of City of Rockford.
 - C. Additional details and requirements provided in the contract documents, including this plan set.
2. All proposed excavation shall be excavated and excavated to a depth of within 0.10 foot of design subgrade.
3. The subgrade of pavement areas shall be free of all unsuitable material and shall be compacted to a minimum 95 per cent of Standard proctor density.
4. The subgrade shall be proof rolled, inspected and approved by the City of Rockford prior to placing the base material. Notify the engineer at least 48 hours prior to placing the base material.
5. The earthwork preparation shall be completed for removal of spoil material from the underground contractors, preparing the roadway subgrade, proof rolled, placing the topsoil to a minimum depth of 4 inches to finished grade in the parkways areas only, grading of drainage swales, and all other tasks as directed by the owner or engineer.
6. The quantities contained in these documents are approximate and estimated, and are presented as a guide to the contractor in determining the scope of work. It is the contractor's responsibility to determine all quantities and to become familiar with the site and soil conditions.
7. The paving Contractor is responsible for the final subgrade preparation, proof rolling, the pavement base, binder, and surface, and all final clean-up and related work associated with the paving operation.
8. The proposed pavement shall be of the type and thickness as specified in the engineering drawings, and constructed in strict conformance with the previously referenced IDOT standard specifications and City of Rockford.
9. Areas of existing pavement, smoothness, thickness, and asphalt mixture, shall be delineated, removed, and replaced in compliance with Specifications requirements unless corrected otherwise as directed and approved by the owner.
10. Field quality control tests specified herein will be conducted by the owner's Independent Testing Laboratory (ITL) at no cost to the contractor. Any testing and field quality control tests not specified herein shall be conducted by the City of Rockford or the City of Illinois shall be at the contractor's expense. The contractor shall perform additional testing as considered necessary by the contractor for assurance of quality control. Retesting incurred as a result of failed initial tests shall be at the contractor's expense.
11. Field testing, frequency, and methods may vary as determined by and between the owner, the ITL and City of Rockford.
12. Testing shall be performed on finished surface of each asphalt concrete course for smoothness, using 10' 0" straightedge applied parallel with, and at right angles to centerline of paved area. The following tolerances in 10 ft shall not be exceeded: Base Course Surface: 1/4-inch; Wearing Course Surface: 1/8-inch.
13. No ponding shall occur on paved surfaces.

1. Apply prime and tack coats when ambient or base surface temperature is above 35 F, and when temperature has been above 35 F for 12 hours immediately prior to application. Do not apply when base is wet, contains excess moisture, during rain, or when frozen.
2. Construct asphaltic concrete paving when ambient temperature is above 40 F.
3. Materials shall comply with the following standards of quality:
 - A. Asphalt Cement: Must comply with ASTM D 270, table 2 AC, 10, AC, 20, or AC, 40, viscosity grade, depending on local mean annual air temperature in accordance with the following chart: Mean annual air temperature 45 F or lower/AC, 10 SS/100 pen. Mean annual air temperature between 45 F and 75 F AC, 20 60/70 pen. Mean annual air temperature AC, 40 75 F or higher
 - B. Prime Coat: Medium curing cut-back asphalt or asphalt penetrating prime coat consisting of either MC, 80, 30 or SS, 1h
 - C. Emulsion: Emulsion must comply with ASTM D 140 or AC, 140 or AC, 155, 1, or CSS, 1, or CSS, 1h, diluted with hot water to 1 part emulsified asphalt to 4 parts water.
 - D. Mineral Filler: Rock or slag dust, hydraulic cement, or other inert material complying with AASHTO M 17, if recommended by state highway department specifications.
 - E. Asphalt-Aggregate Mixture: Unless otherwise noted on the Drawings, design mix shall have minimum stability based on 75-blow Marshall complying with AASHTO T 245 of 1000 pounds with flow between 0.08 and 0.16 inches. The design mix shall be within sieve analysis and bitumen ranges specified below unless approved otherwise by the engineer prior to placement.
3. Mix design shall comply with Mix Design Table for East State Street and the following:
 - A. Base Course: Illinois Department of Transportation (IDOT) approved mix for Hot-Mix Asphalt Surface Course, Mix "C", N50.
 - B. Subgrade: Illinois Department of Transportation (IDOT) approved mix for Hot-Mix Asphalt Binder Course, IL-9.5, N50.
4. Remove loose material from compacted base material surface immediately before applying prime coat.
5. Establish and maintain required lines and elevations.
6. Apply the asphaltic concrete mixture and other structures on which the asphaltic concrete mixture will be placed, with a thin, uniform coat of liquid asphalt. Where the asphaltic concrete mixture will be placed against the vertical face of an existing pavement, clean the vertical face to remove foreign substances and apply a coating of liquid asphalt at a rate of approximately 0.25 gallons per square yard.
7. Prime Coat:
 - A. Apply to base material surfaces at least 24 hours in advance.
 - B. Apply at minimum rate of 0.25 gal per sq. yd over compacted base material. Apply to penetrate and seal, but not flood surface.
 - C. Take necessary precautions to protect adjacent areas from over spray.
 - D. Cure and dry as long as necessary to attain penetration of compacted base and evaporation of volatile substances.
8. Tack Coat:
 - A. Apply to contact surfaces of previously constructed asphaltic concrete base courses or Portland cement concrete and surfaces abutting or projecting into asphaltic concrete or into asphaltic concrete pavement.
 - B. Apply to contact surfaces of base course or sand asphalt base course. Apply emulsified asphalt tack coat between each lift or layer of full depth asphaltic concrete and sand asphalt bases and on surface of bases where asphaltic concrete paving will be constructed.
 - C. Apply at minimum rate of 0.05 gal per sq. yd of surface.
 - D. Allow drying until at proper condition to receive paving.
9. Place asphaltic concrete mixture on completed compacted subgrade surface, spread, and strike off. Spread mixture at following minimum ambient temperatures:
 - A. Between 40 and 50 F: Mixture temperature: 285 F
 - B. Between 50 and 60 F: Mixture temperature: 280 F
 - C. Higher than 60 F: Mixture temperature: 275 F
 - a. Whenever possible, spread pavement by finishing machine; however, inaccessible or irregular areas may be placed by hand methods. Spread hot mixture uniformly to required depth with hot shovels and rakes. After spreading, caressfully smooth hot mixture to remove segregated course aggregate and rake marks. Rakes and lutes used for hand spreading shall be type designed for use on asphalt mixtures. Do not dump loads faster than they can be properly placed. Workers shall stand on the surface of the spread.
 - b. Paving Machine Placement: Apply successive lifts of asphaltic concrete in transverse directions with surface course placed parallel to flow of traffic. Place asphaltic paving in typical strips not less than 10'-0" wide. Asphaltic concrete pavement, including base and surface course, shall be placed in two or more equal lifts. Each lift shall be from 1 to 3 inches thick.
 - c. Make joints staggered, either in transverse or, between successive days, in paving in work in manner that will provide continuous bond between adjoining work. Construction joints shall be made in base, and smoothness as other sections of asphaltic concrete course. Clean contact surfaces of joints and apply tack coat.
10. After being spread, mixture shall be compacted by rolling as soon as it will bear the weight of rollers without undue displacement. Number, weight, types of rollers, and sequence of rolling operations shall be such that the required density and surface are consistently attained while the mixture is in workable condition.
11. Compact mixture with hot hand tampers or vibrating plate compactors in areas inaccessible to rollers.
12. Breakdown Rolling: Perform breakdown or initial rolling immediately following rolling of joints and outside edge. Check surface after breakdown rolling and repair surface defects.
13. Second Rolling: Follow breakdown rolling as soon as possible while mixture is hot. Continue second rolling until mixture has been thoroughly compacted as follows:
 - A. Average Density: 96 percent of reference laboratory density according ASTM D1556, but not less than 94 percent nor greater than 100 percent.
14. Finish Rolling: Perform finish rolling while mixture is still warm enough for removal of roller marks. Continue rolling until roller marks are eliminated and courses are uniform in thickness.
15. Patching: Remove and replace paving areas mixed with foreign materials and defective areas. Cut out such areas and fill with fresh, hot asphaltic concrete. Compact by rolling to maximum surface density and smoothness.
16. Curing: After final rolling, do not permit vehicular traffic on pavement until it has cooled and hardened. Erect barricades to protect paving from traffic until surface has cooled enough not to become marked. Any marked or marred finish surface shall be repaired or smoothed.
15. Asphalt paving joints shall conform to the following requirements:
 - A. Place each asphaltic paving layer as continuous as possible to keep the number of joints to a minimum. Create joints between old and new pavement, between successive days work, and between successive courses. Do not make cold joints (less than 140 degrees F). Make these joints in such a manner as to create a continuous bond between the old and new pavement construction courses.
 - B. Offset joint of successive courses by at least 6 inches.
 - C. Transverse Joints: If placing of material is discontinued or if material in place becomes cold, make a joint running perpendicular to the direction traveled by the roller. Before placing material on the edge of the previously placed pavement, cut a straight line perpendicular to the paver and cut back to expose a new even vertical surface for the full thickness of the course. When placement continues, position the paver on the transverse joint so that sufficient hot mixture will be spread in order to create a joint after rolling that conforms to the required smoothness. If the temperature of the previously placed pavement material drops below 140 degrees F before paving is resumed, give the exposed vertical face a thin coat of liquid asphalt just before paving is continued.
 - D. Longitudinal Joints: If placement of material is not completed before the previously laid mixture has cooled to a temperature below 140 degrees F, finish with liquid asphalt just before paving is continued.





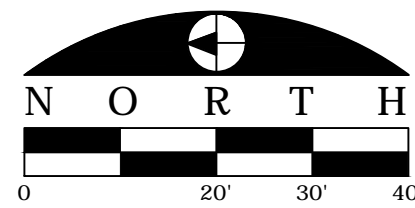
EXISTING SCHOOL

LINDEN AVENUE

EXISTING CONDITIONS AND REMOVALS LEGEND

- HMA PAVEMENT REMOVAL LIMITS
- EXISTING STORM SEWER TO REMAIN
- EXISTING STORM STRUCTURE TO REMAIN
- EXISTING WATER VALVE TO REMAIN
- EXISTING SANITARY SEWER TO REMAIN
- EXISTING SANITARY STRUCTURE TO REMAIN
- EXISTING CONTOUR LINE
- EXISTING TREE
- EXISTING EDGE OF PAVEMENT
- EXISTING CONCRETE CURB AND GUTTER TO REMAIN
- EXISTING BUILDING
- EXISTING LIGHT POLE TO REMAIN
- BENCH MARK (BM 1)
- EXISTING FENCE
- EXISTING OVERHEAD UTILITIES

| BENCHMARKS | |
|--|---------------------|
| DESCRIPTION | ELEVATION (NAVD 88) |
| BENCHMARK 1 SPIKE IN NORTH FACE OF UTILITY POLE | 766.38 |



ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

WASHINGTON
ELEMENTARY
SCHOOL

ROCKFORD, IL
1421 WEST STREET

CONSULTANTS

ISSUED FOR

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REVISIONS

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SHEET TITLE

EXISTING
CONDITIONS AND
REMOVAL PLAN

DRAWN

MH

CHECKED

RS

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JSL

PROJECT NUMBER
SHEET NUMBER

15159
C02

ARC DESIGN
RESOURCES INC.

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PROJECT NAME
OWNER'S NAME

WASHINGTON
ELEMENTARY
SCHOOL

ROCKFORD, IL
1421 WEST STREET

CONSULTANTS

ISSUED FOR

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REVISIONS

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SHEET TITLE

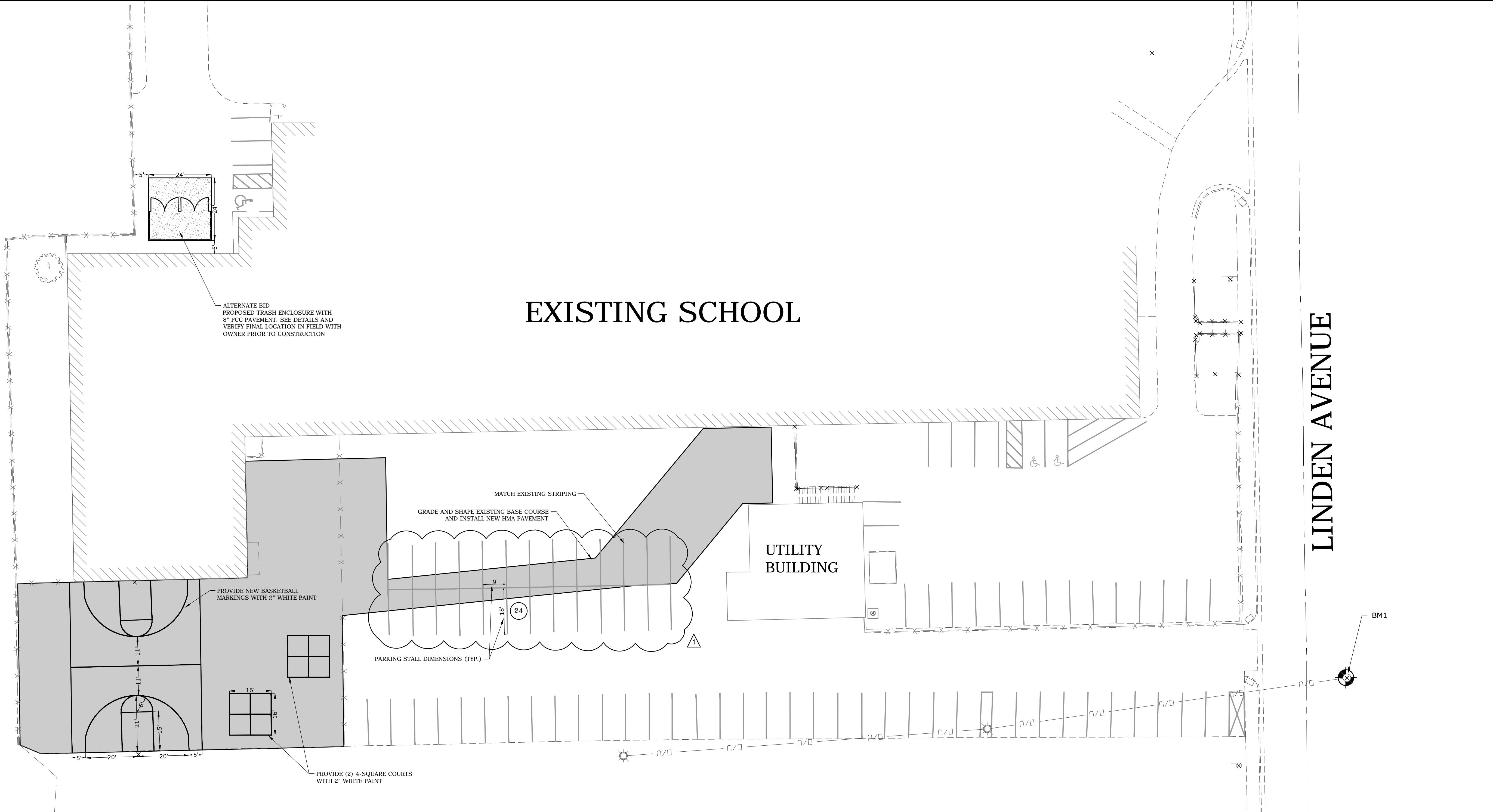
LAYOUT PLAN

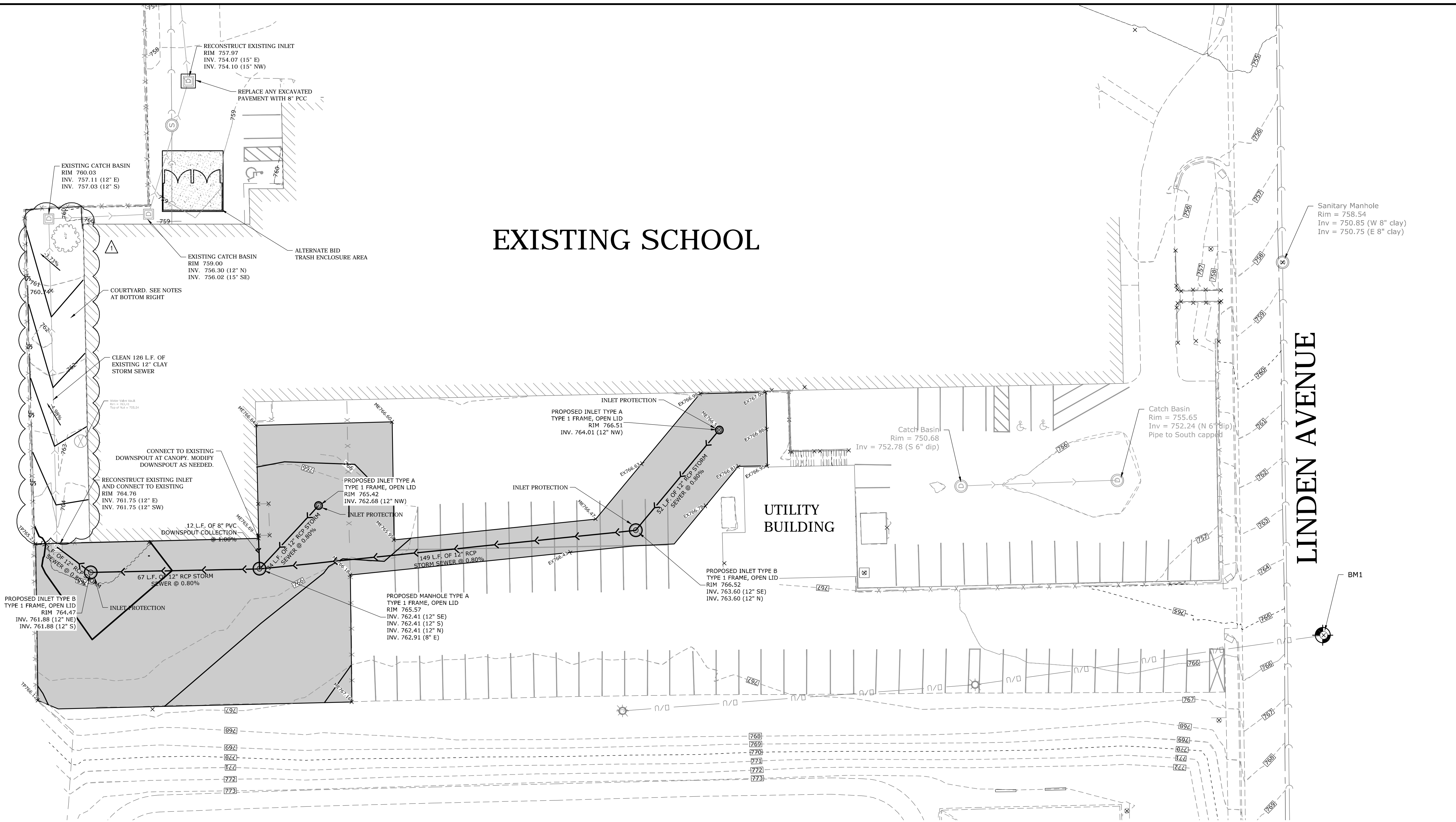
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PROJECT NUMBER
SHEET NUMBER

15159

C03





ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL. 61111
VOICE: (815) 484-4300
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Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

WASHINGTON
ELEMENTARY
SCHOOL

ROCKFORD, IL.
1421 WEST STREET

CONSULTANTS

ISSUED FOR

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REVISIONS

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SHEET TITLE

GRADING AND
EROSION
CONTROL PLAN

DRAWN

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JSL

PROJECT NUMBER
SHEET NUMBER

15159
C04

LEGEND

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EXISTING STORM SEWER

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PROPOSED STORM SEWER

D

EXISTING STORM STRUCTURE

●

PROPOSED STORM SEWER STRUCTURE

⊗

EXISTING WATER VALVE

☼

EXISTING LIGHT POLE

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EXISTING SANITARY SEWER TO REMAIN

⊙

EXISTING SANITARY STRUCTURE TO REMAIN

- - - 766 - - -

EXISTING CONTOUR LINE

□

INLET PROTECTION

\$

SILT FENCE

+ME000.00

MATCH EXISTING SPOT ELEVATION

+TP000.00

TOP OF PAVEMENT SPOT ELEVATION

+EX000.00

EXISTING SPOT ELEVATION

| BENCHMARKS | |
|--|---------------------|
| DESCRIPTION | ELEVATION (NAVD 88) |
| BENCHMARK 1 SPIKE IN NORTH FACE OF UTILITY POLE | 766.38 |

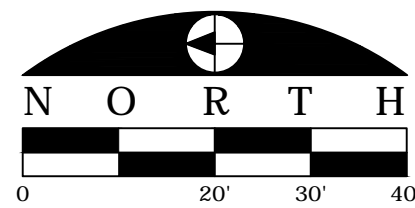
COURTYARD RESTORATION NOTES:

1. RESHAPE SOIL TO CREATE UNIFORM SWALE AS SHOWN BY CONTOURS.

2. IMPORT 4" TOPSOIL FOR GROWING MEDIUM.

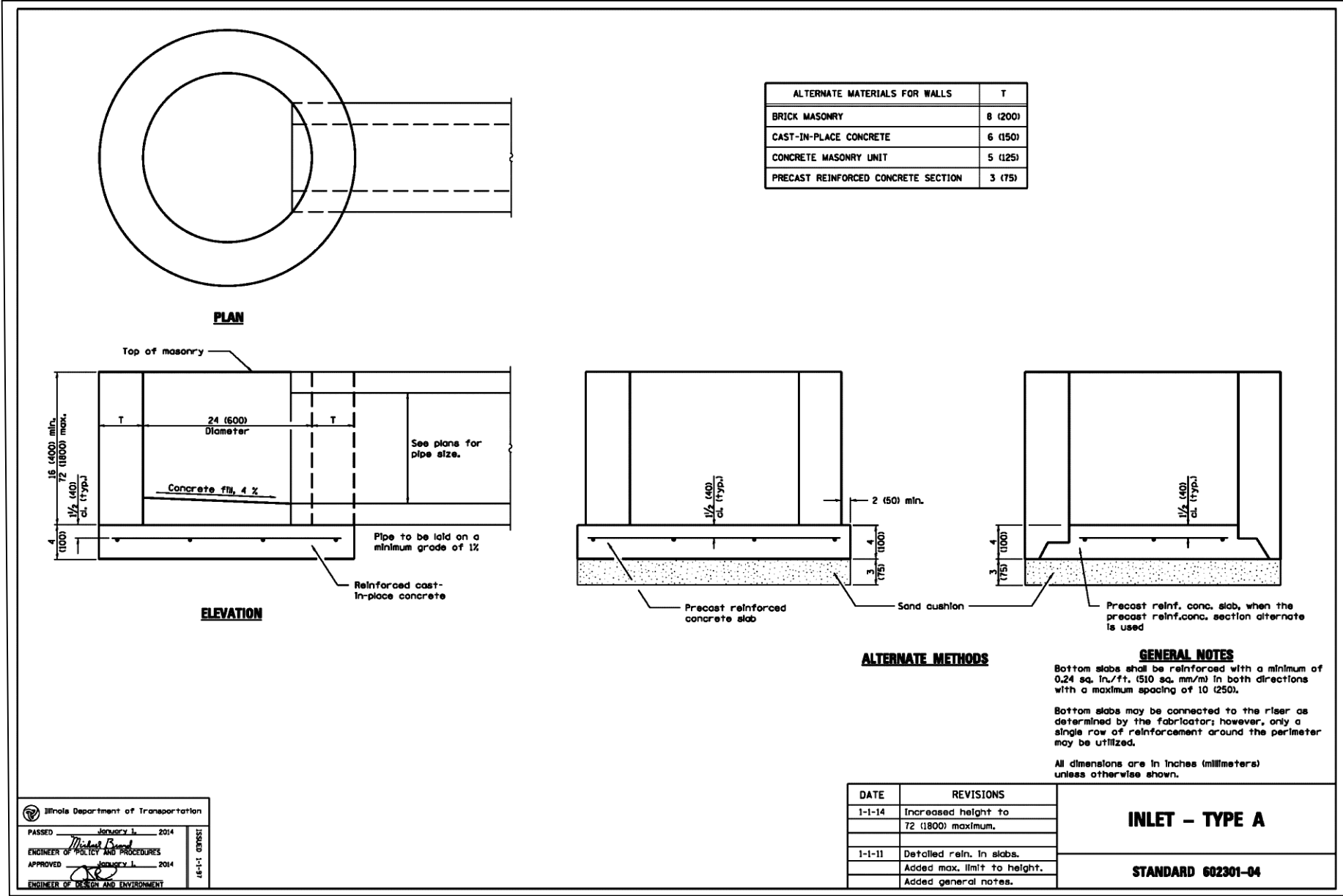
3. RESTORE AREA WITH IDOT SEEDING CLASS 1, FERTILIZER NUTRIENT, AND MAINTAIN FOR 30 DAYS OR UNTIL HEALTHY STAND OF GRASS IS DEVELOPED.

4. COVER SWALE WITH NAG SC250 TURF REINFORCEMENT MAT.



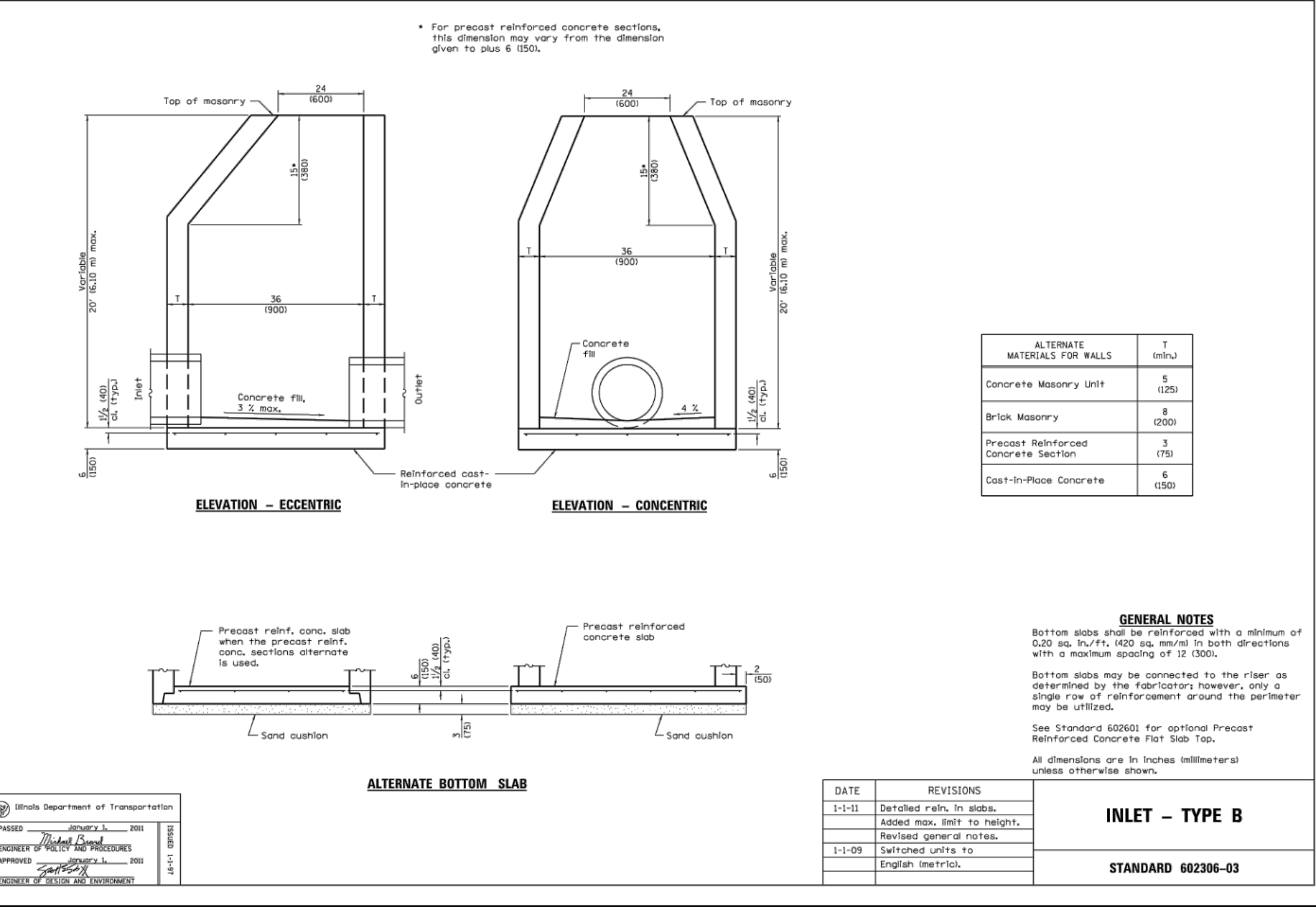
INLET TYPE A

NOT TO SCALE



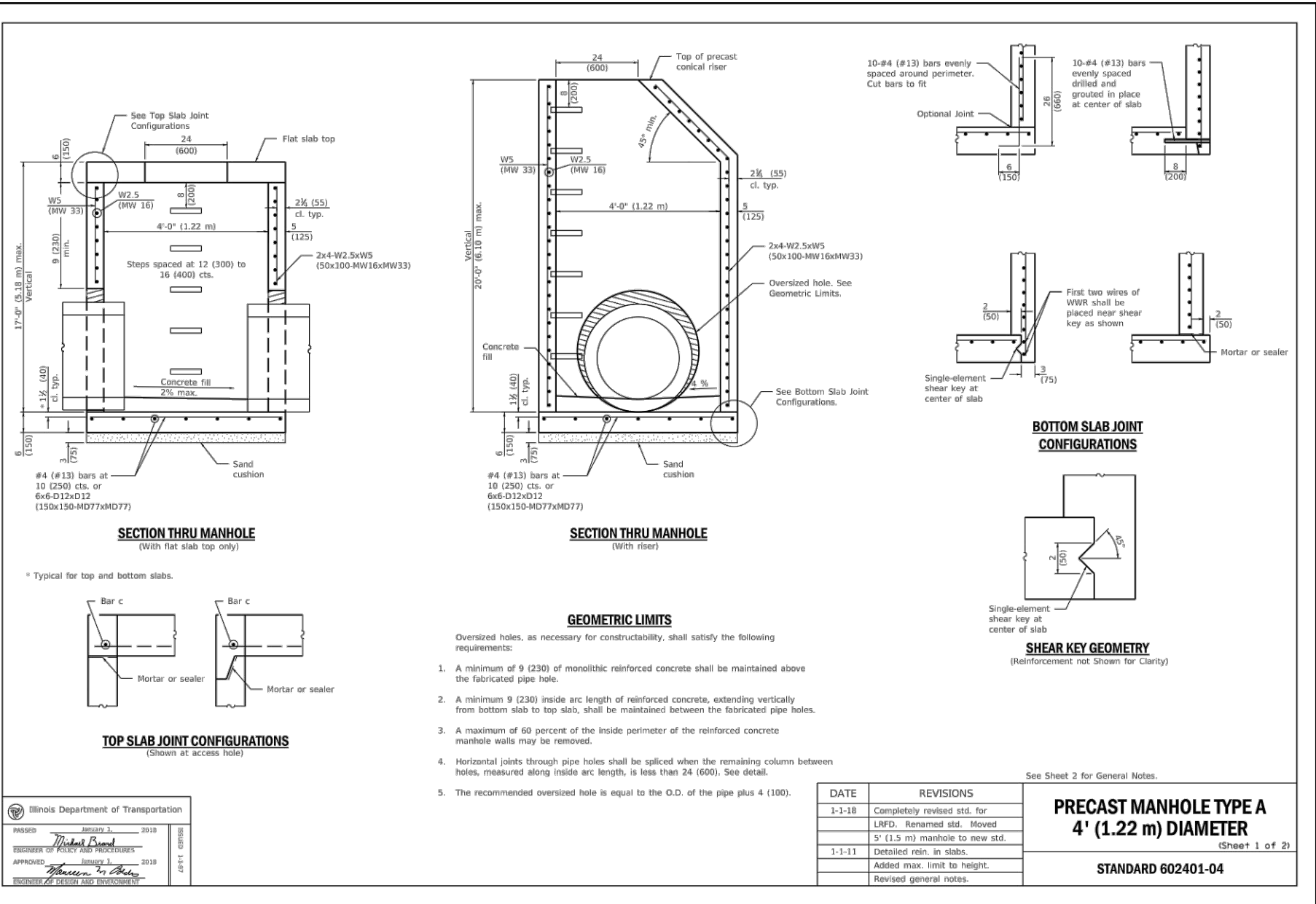
INLET TYPE B

NOT TO SCALE



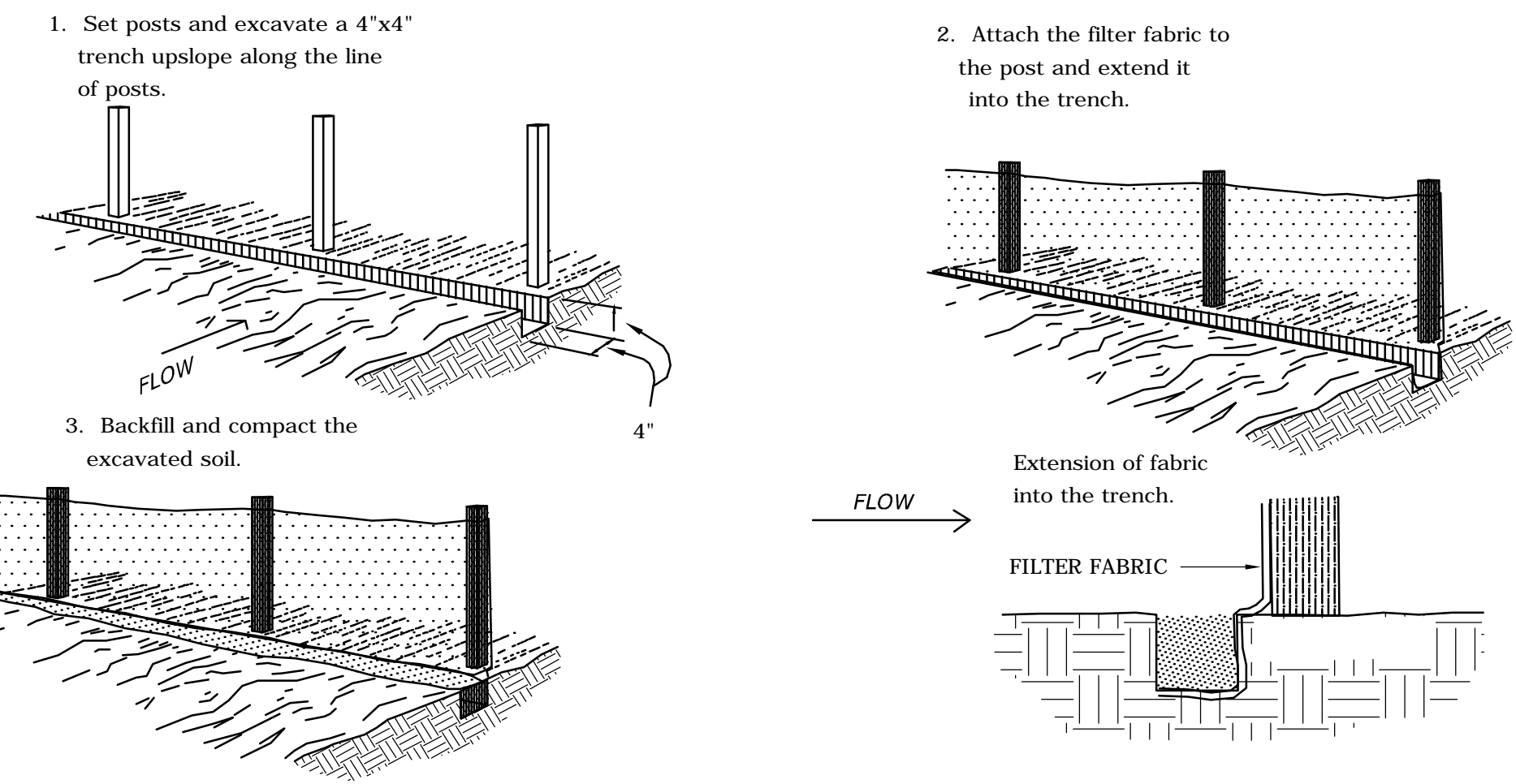
MANHOLE TYPE A

NOT TO SCALE



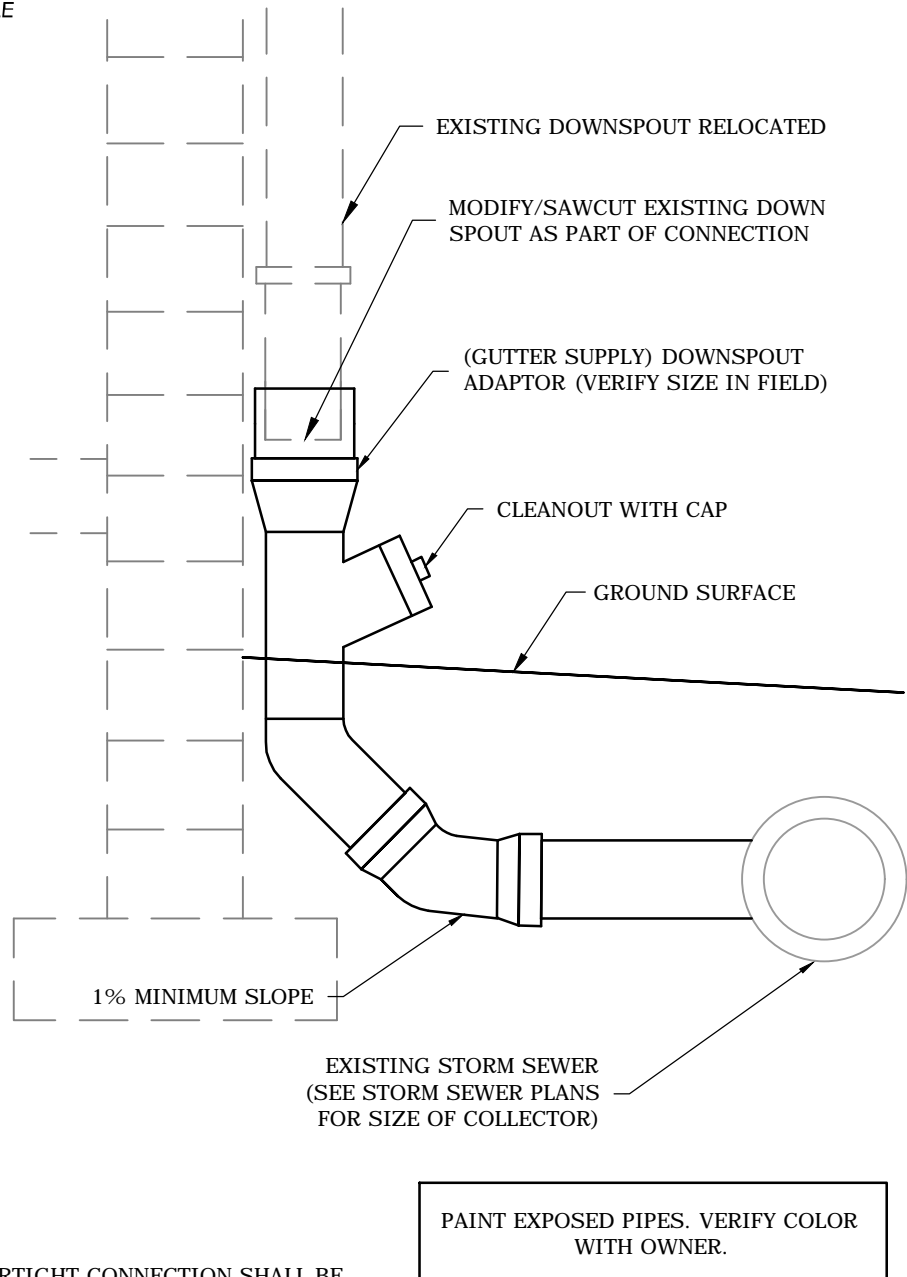
TEMP. SILT FENCE (PERIMETER) DETAIL

NOT TO SCALE



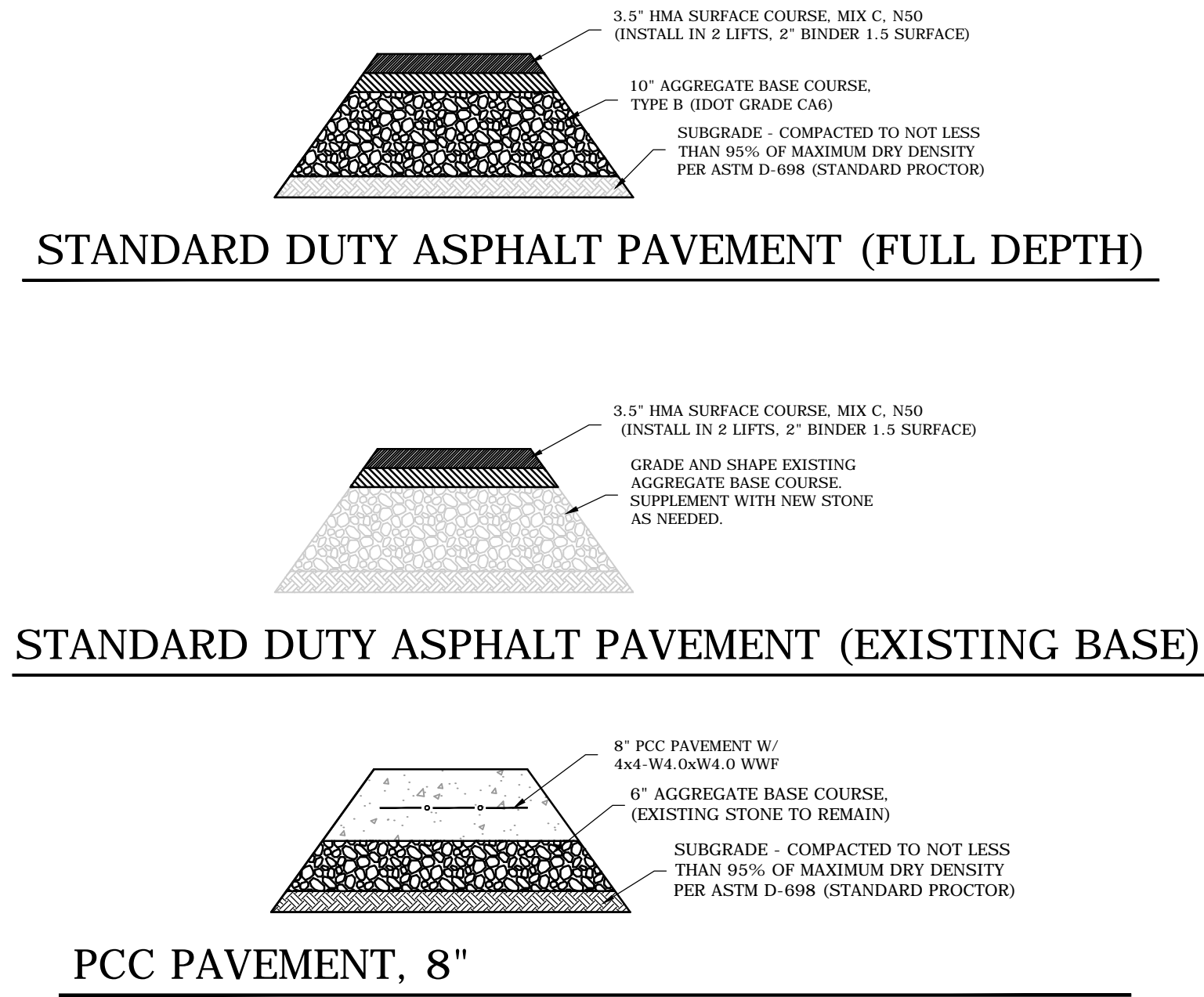
DOWNSPOUT COLLECTOR

NOT TO SCALE



PAVEMENT DETAILS

NOT TO SCALE



ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
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FAX: (815) 484-4303
www.arcdesign.com
Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

**WASHINGTON
ELEMENTARY
SCHOOL**

ROCKFORD, IL
1421 WEST STREET

CONSULTANTS

ISSUED FOR

| DATE |
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REVISIONS

| ITEM | DATE |
|---------------|---------|
| 1. Addendum 1 | 6/25/18 |
| 2. | |
| 3. | |
| 4. | |
| 5. | |
| 6. | |
| 7. | |

SHEET TITLE

DETAILS

DRAWN: MH
CHECKED: RS
PM: JSL

PROJECT NUMBER
SHEET NUMBER

15159
C05

PROJECT NAME
OWNER'S NAMEWASHINGTON
ELEMENTARY
SCHOOLROCKFORD, IL
1421 WEST STREET

CONSULTANTS

ISSUED FOR

| DATE | |
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| 1. | |
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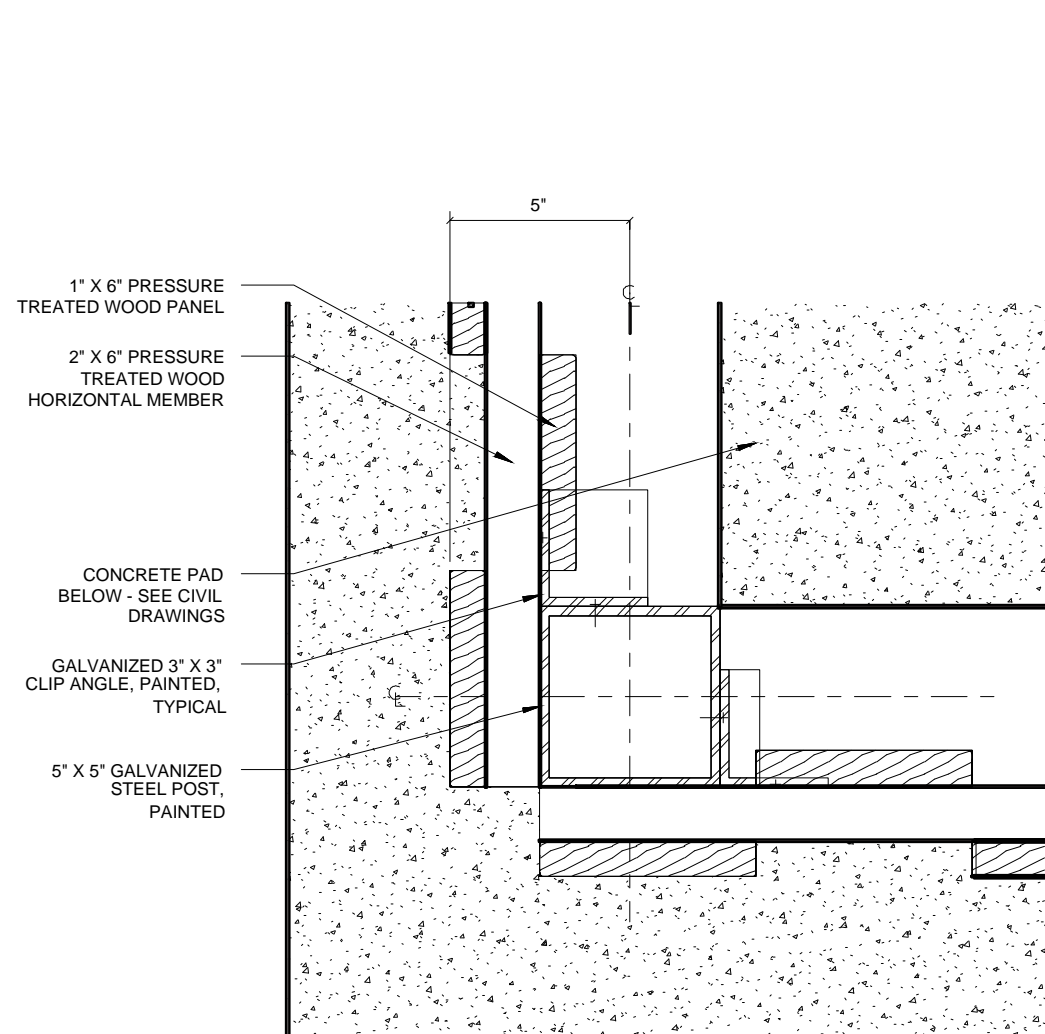
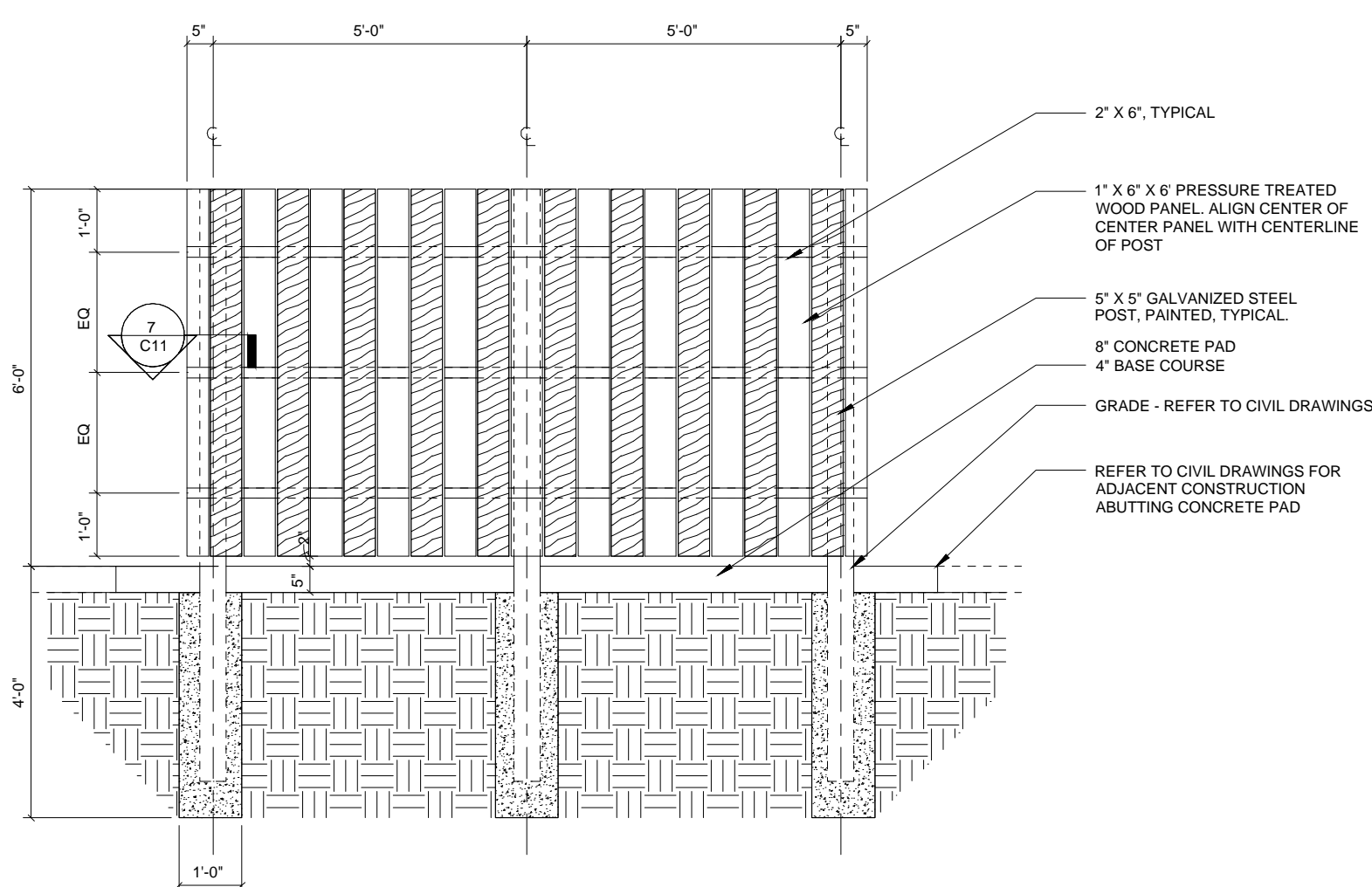
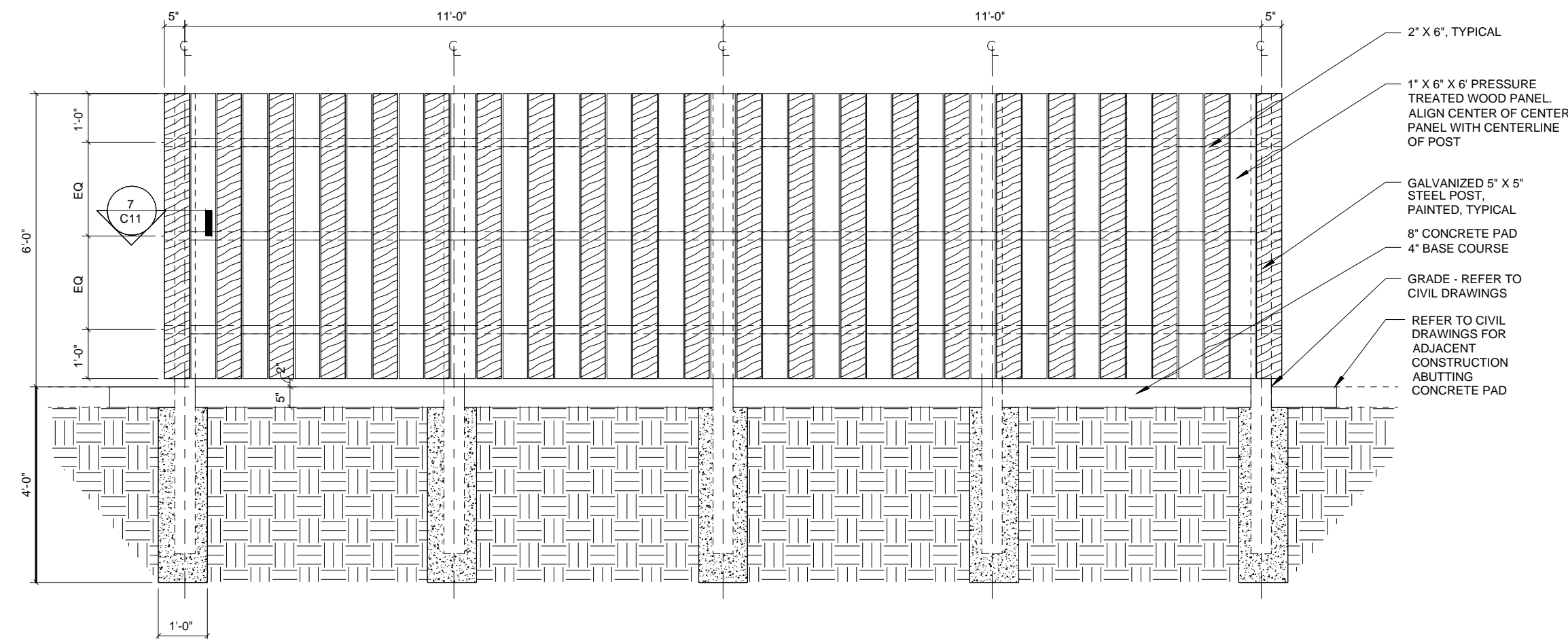
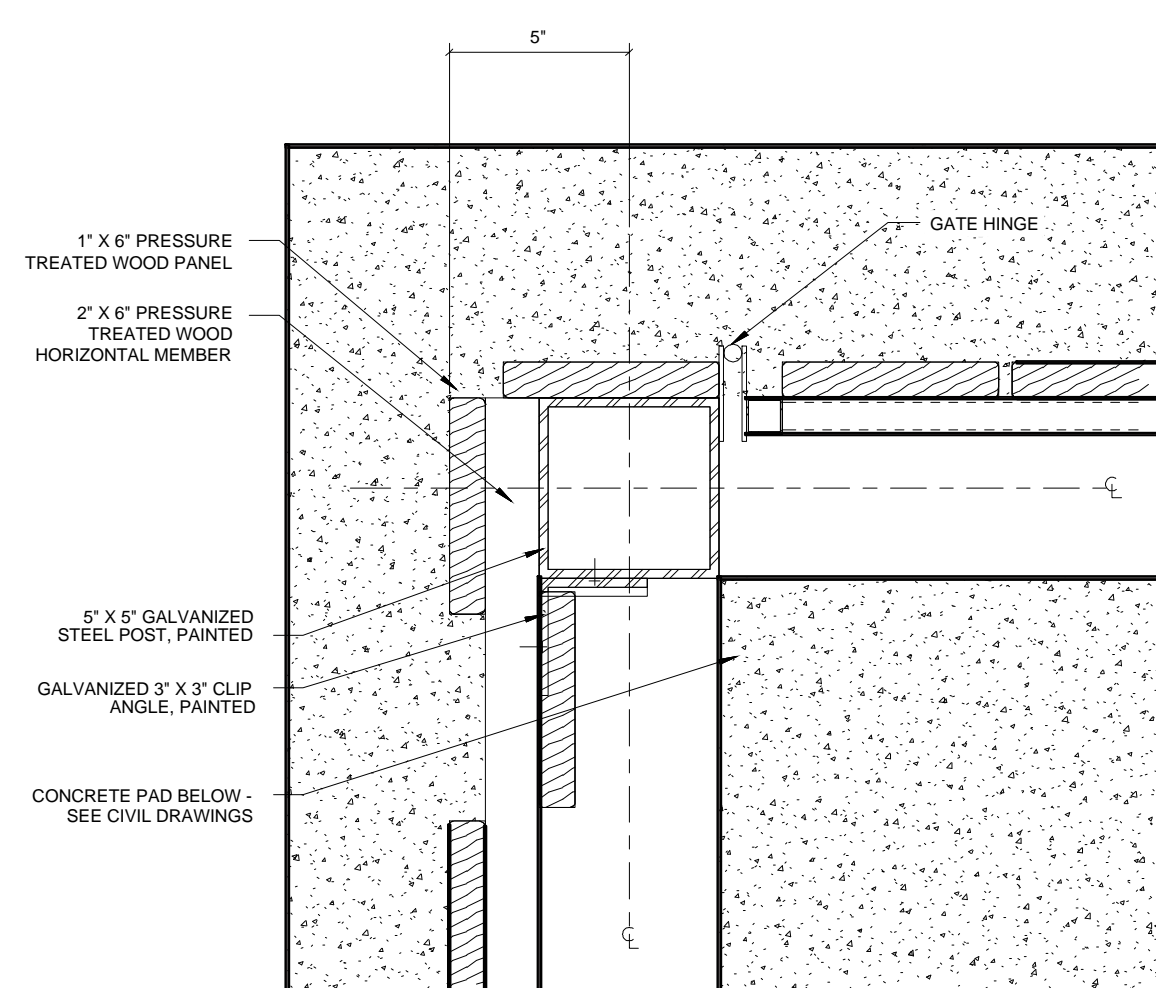
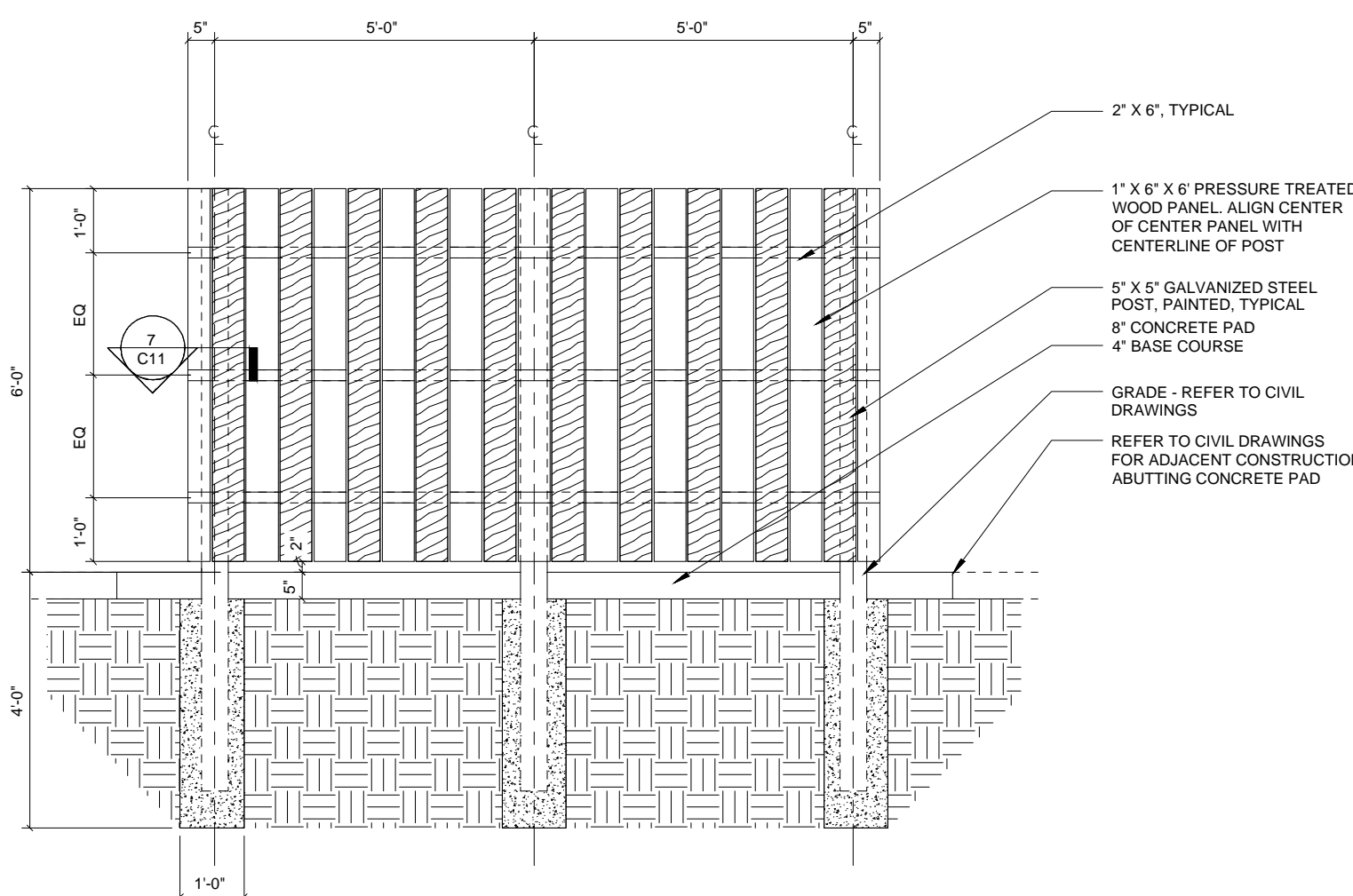
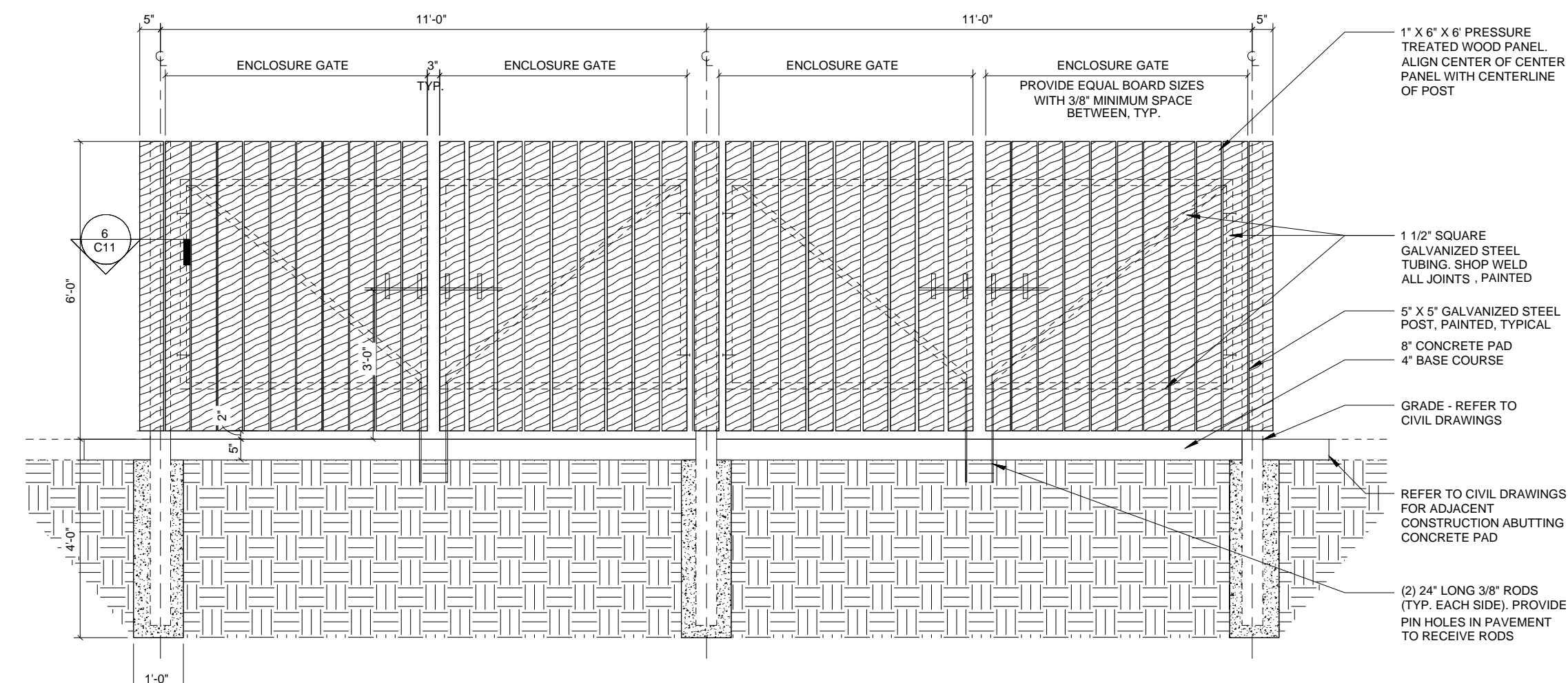
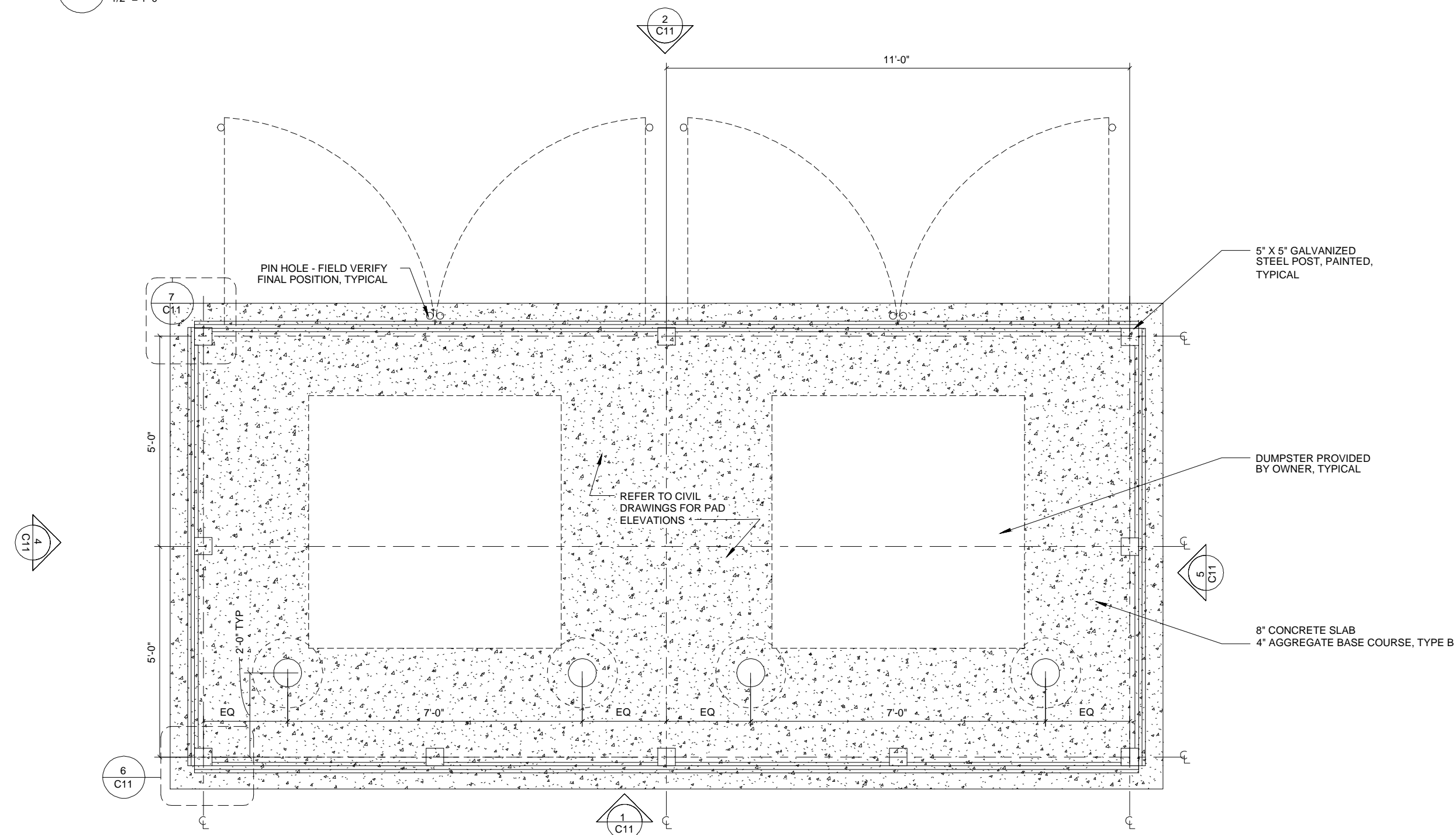
| REVISIONS | DATE |
|---------------|---------|
| ITEM | |
| 1. Addendum 1 | 6/25/18 |
| 2. | |
| 3. | |
| 4. | |
| 5. | |
| 6. | |
| 7. | |

SHEET TITLE

TRASH
ENCLOSURE
DETAILS
ALTERNATE BIDDRAWN _____ MH
CHECKED _____ RS
PM _____ JSLPROJECT NUMBER
SHEET NUMBER

15159

C06

6 TRASH ENCLOSURE PLAN - CORNER DETAIL
3" = 1'-0"4 TRASH ENCLOSURE - ELEVATION/SECTION
1/2" = 1'-0"1 TRASH ENCLOSURE - ELEVATION
1/2" = 1'-0"7 TRASH ENCLOSURE PLAN - GATE DETAIL
3" = 1'-0"5 TRASH ENCLOSURE - ELEVATION/SECTION
1/2" = 1'-0"2 TRASH ENCLOSURE - ELEVATION
1/2" = 1'-0"3 TRASH ENCLOSURE PLAN
1/2" = 1'-0"