ADDENDUM NO. 2

TO THE
BIDDING DOCUMENTS
FOR
KIRKWOOD STREETSCAPE PHASE III
COLLEGE AVENUE TO ROGERS STREET
FOR THE
CITY OF BLOOMINGTON
DEPARTMENT OF PUBLIC WORKS
BLOOMINGTON INDIANA

DATE: February 17, 2010

BIDS CLOSE: February 23, at 2:00 p.m., Local Time

TO ALL BIDDERS BIDDING ON THE ABOVE PROJECT:

All Bidders submitting a Bid on the above Contract shall carefully read this Addendum and give it consideration in the preparation of their Bid.

Item 1. The following are revisions to Project Manual Section X Specifications:

1. The following revisions shall be made to SECTION 02580 – PAVEMENT MARKING:

   A. Add paragraph 1.06C as follows:

      "C. The thermoplastic pavement markings may be installed for the entire project at one time following completion of paving work in all 3 sections of work. Installation of temporary paint markings in sections reopened to traffic will not be required."

2. The following revisions shall be made to SECTION 02720 – STORM SEWERAGE:

   A. Modify paragraph 3.02D by adding the following sentence at the end of the paragraph:

      "The resulting connection between pipe and precast manhole or box inlet wall shall be soiltight in accordance with City of Bloomington Utility Standards."

Item 2 The following are revisions to the project Manual Section X Specifications under Additional Specifications for Kirkwood Phase III

1. The following revisions shall be made to SECTION 02810 – UNDERGROUND IRRIGATION SYSTEM:

   A. Delete paragraph 1.01B.1a and replace with the following:

      "a. Irrigation system including water meter setter and meter pit, backflow preventer, all piping, sleeves, and fittings from tap to meter, from meter to backflow preventer, and for the remainder of irrigation system, quickcoupler valves, valve boxes and accessories. Water main tap and water meter shall be provided by City of Bloomington Utilities."

   B. Delete paragraph 2.01C and replace with the following:

      "C. Main Line Piping

1. All main line piping downstream of the water meter assembly which is buried shall be Sch 40 PVC per ASTM D1785."

C. Delete paragraph 3.03D and replace with the following:

"D. Pavements, Walks, Etc.

1. All piping under pavements and walkways which are to remain will be bored or directional drilled with appropriate equipment and sleeving will not be required. Where pavements are to be removed and replaced the pipe will be installed inside a sleeve. Piping under walkways may be unsleeved.
2. All sleeves shall provide a minimum inside diameter of 2 times the outside diameter of the pipe to be sleeved."

Item 3 <u>The following are revisions to the Drawings</u>:

1. Sheet 2, Drawing G1:

A. In the general notes under paragraph 5 regarding Owner provided equipment and materials add the following at the end of the listing of Owner provided equipment and materials:

"OWNER provided equipment and materials to be installed by the Contractor shall be stored by the OWNER at the Bloomington Parks and Recreation Storage Area located at 345 South Adams Street in Bloomington. Contractor shall pick up materials and equipment between the hours of 7:30 AM and 3:00 PM Monday through Friday and provide documentation to OWNER each time Contractor takes delivery of various items. Documentation shall clearly state what items and how many of each were received by the Contractor."

B. In the general notes under paragraph 12 regarding installation of water and sewer service lines delete the last sentence of the paragraph and replace it with the following:

"All existing sewer service laterals are to be located and replaced even if they are not impacted by the new storm sewer or watermains. Sewer service laterals shall be 6-inch size unless the existing laterals are larger in which case the larger size should be used. Sewer service laterals shall be replaced to the right of way line and have a cleanout installed at the right of way line in accordance with City of Bloomington standard detail 19. The existing service tee or wye at the main may be reused if it is in good condition. If the tee or wye is in poor condition it should be repaired or replaced. The contractor should include the 11 known sanitary lateral replacements shown on the drawings in his bid price. Contractor shall verify together with City of Bloomington Utilities that all sanitary service laterals serving properties adjoining Kirkwood are replaced or served by sanitary sewers located off of Kirkwood.

2. Delete Sheet 4, Drawing P1, and from Addendum 1 drawings Sheet 5, Drawing P2, Sheet 6, Drawing P3, Sheet 7, Drawing P4, and Sheet 8, Drawing P5 and replace them with Sheet 4, Drawing P1, Sheet 5, Drawing P2, Sheet 6, Drawing P3, Sheet 7, Drawing P4, and Sheet 8 attached to this Addenda.

A. The revisions to Sheet 4 Drawing P1 pertain to revising the sanitary service laterals to show full replacement from the sanitary main to the right of way.

B. The revisions to Sheet 5 Drawing P2 pertain to:

1. Revising the sanitary service laterals to show full replacement from the sanitary main to the right of way

2. Identifying alternative Contractor work regarding the 3 watermain relocations along the Madison Street water main.

3. Adding an 8” line stop south of structure 26 to permit the watermain work on Madison Street. Isolation from the north will be with existing valves.

C. The revisions to Sheet 6 Drawing P3 pertain to:

1. Revising the sanitary service laterals to show full replacement from the sanitary main to the right of way.

2. To clearly indicate that the 2” lighting conduits in front of the Kirkwood Building where the existing walkway and trees are to remain is to be installed with directional drilling since it is outside the general limits of the construction work.

D. The revisions to Sheet 7 Drawing P4 pertain to:

1. Adding direction to the Contractor regarding the relocation of the 20” water main west of the B-Line Trail, and requiring the installation of 2 hydrostops to isolate the section to be relocated. If one or both hydrostops are not needed due to the ability to isolate the section with existing valves a credit is due to the Owner.

2. The City has been advised that demolition and renovation activities on lot 157 (222 West Kirkwood, Holden Music Store) are planned during the period when construction is planned. Contractor shall discuss, coordinate, and schedule his work with the property owner and City of Bloomington to minimize potential impacts and rework.

3. Relocation of the existing water main to be 18” under the proposed storm sewer from structure 48 may not be required if the storm and water pipes do not conflict and the storm sewer is constructed of watermain grade pipe between structure 48 and 49. Confirm if clearance exists and coordinate with City of Bloomington Utilities if use of water main grade piping is desired.

E. The revisions to Sheet 8 Drawing P5 pertain to:

1. Minor revisions to the locations of the irrigation quickconnects in the planters and the location of the water meter pit and backflow preventer.

2. Relocation of the existing water main to be 18” under the proposed storm sewer from structures 54 and 59 may not be required if the storm and water pipes do not conflict and the storm sewer is constructed of watermain grade pipe between structure 54 and 53, and 59 and 56. Confirm if clearance exists and coordinate with City of Bloomington Utilities if use of water main grade piping is desired.

3. Modify Sheets 17-21, Drawings R1 to R5 so that all references to pavement restoration type R2 are deleted and revised to pavement restoration type R1. This includes the reference in the restoration legend on Sheet 17, Drawing R1. A completely new pavement section is desired.

4. Modify Sheet 20, Drawing R4 by adding the following note:

Demolition and renovation activities on lot 157 (222 West Kirkwood, Holden Music Store) will be occurring during the period when construction is planned. Contractor shall discuss, coordinate, and schedule his work with the property owner and City of Bloomington. It is possible that revisions to the arrangement and placement of various features (brick pavers, trash cans, bench, bike loops, street light) may occur, but the quantities are anticipated to remain the same. Contractor shall include this effort in his bid price.

5. Delete Sheet 29 Drawing M1 and replace it with Sheet 29, Drawing M1 attached to this Addenda.

   A. Detail B2 related to heavy Duty Brick Pavers was revised and a note was added regarding the installation sequence and methodology for assuring that the asphalt pavement to brick paver joint remains at the same elevation after construction.

6. Delete Sheet 31 Drawing M3 and replace it with Sheet 31, Drawing M3 attached to this Addenda.

   A. Details for Final Street Surfacing and Asphalt Pavement Reconstruction were revised.

7. Modify Sheet 40 Drawing M12 as follows:

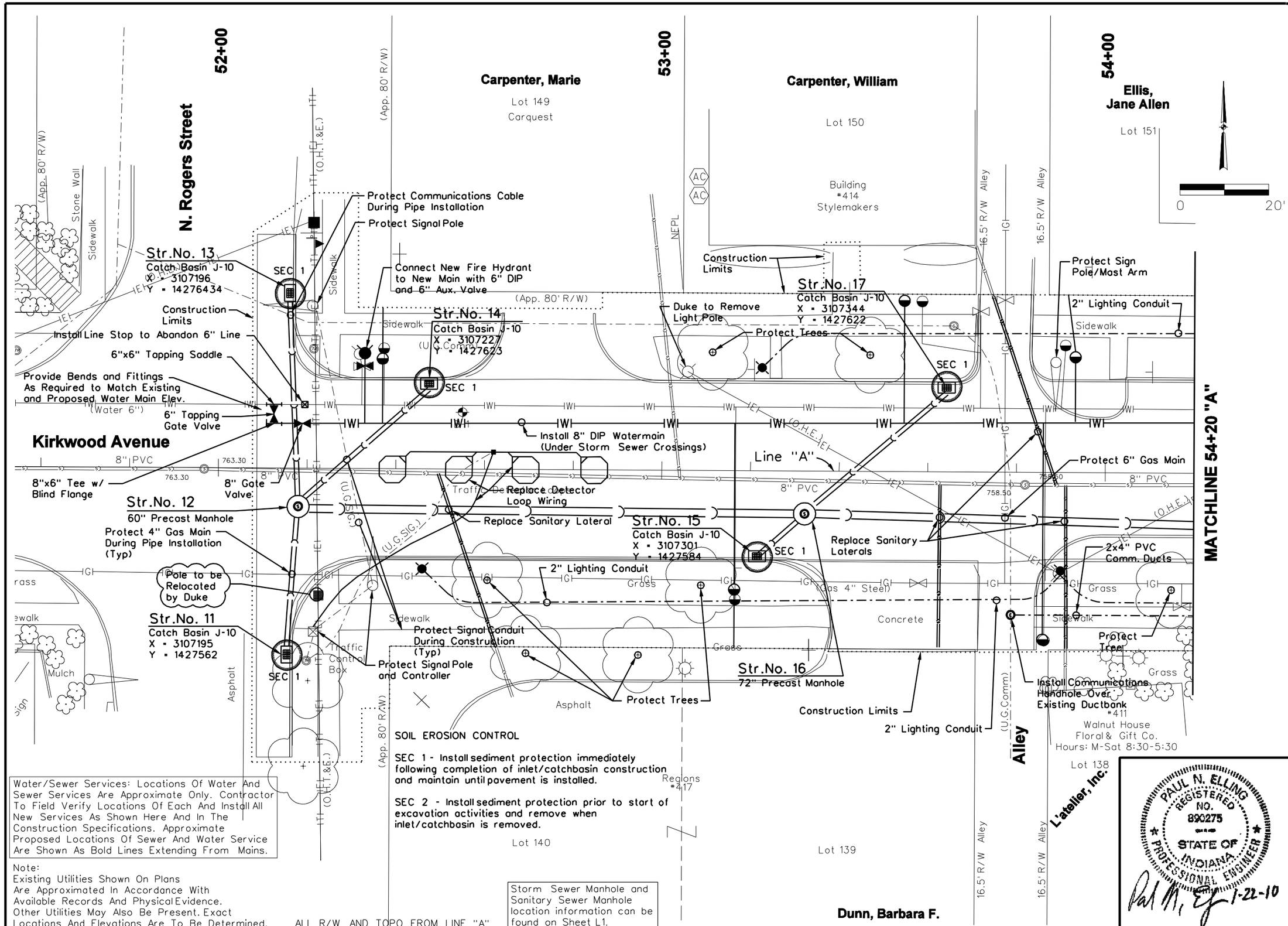
   A. Delete note 8 in the upper right corner.

   B. Revise the Reduced Pressure Assembly for Backflow Prevention to indicate that 2” x 1-1/2” reducers are to be installed immediately upstream and downstream of the reduced pressure assembly in the horizontal position and that the reduced pressure assembly should be 1-1/2” nominal size.

8. Modify Sheet 43 Drawing S2 as follows:

   A. In Section A add the following note:

      “The box culvert configuration shown is preferred. However a standard flat bottom 5 x 10 ft precast box section may also be provided at the Contractors option.”



SOIL EROSION CONTROL

SEC 1 - Install sediment protection immediately following completion of inlet/catchbasin construction and maintain until pavement is installed.

SEC 2 - Install sediment protection prior to start of excavation activities and remove when inlet/catchbasin is removed.

Water/Sewer Services: Locations Of Water And Sewer Services Are Approximate Only. Contractor To Field Verify Locations Of Each And Install All New Services As Shown Here And In The Construction Specifications. Approximate Proposed Locations Of Sewer And Water Service Are Shown As Bold Lines Extending From Mains.

Note:
Existing Utilities Shown On Plans Are Approximated In Accordance With Available Records And Physical Evidence. Other Utilities May Also Be Present. Exact Locations And Elevations Are To Be Determined.

ALL R/W AND TOPO FROM LINE "A"

Storm Sewer Manhole and Sanitary Sewer Manhole location information can be found on Sheet L1.

PAUL N. ELLING
REGISTERED
NO.
890275
STATE OF
INDIANA
PROFESSIONAL ENGINEER
1-22-10

Revision Number	Revision Description	Drawn By	Checked By	Date
2	ADDENDUM 2 - MISC. ITEMS	PNE	PNE	02-16-10

Designed By	JAB
Drawn By	JAB
Checked By	TJM
Approved By	PNE
Filename	344TP01.DGN
Project No.	11715
Project Date	1/22/10

CITY OF BLOOMINGTON DEPT. OF PUBLIC WORKS
KIRKWOOD AVENUE STREETSCAPE PHASE III
COLLEGE AVENUE TO ROGERS STREET
BLOOMINGTON, INDIANA

UTILITY PLANS
SOIL EROSION CONTROL

DONOHUE & ASSOCIATES

Sheet No. 4

Drawing No. P1

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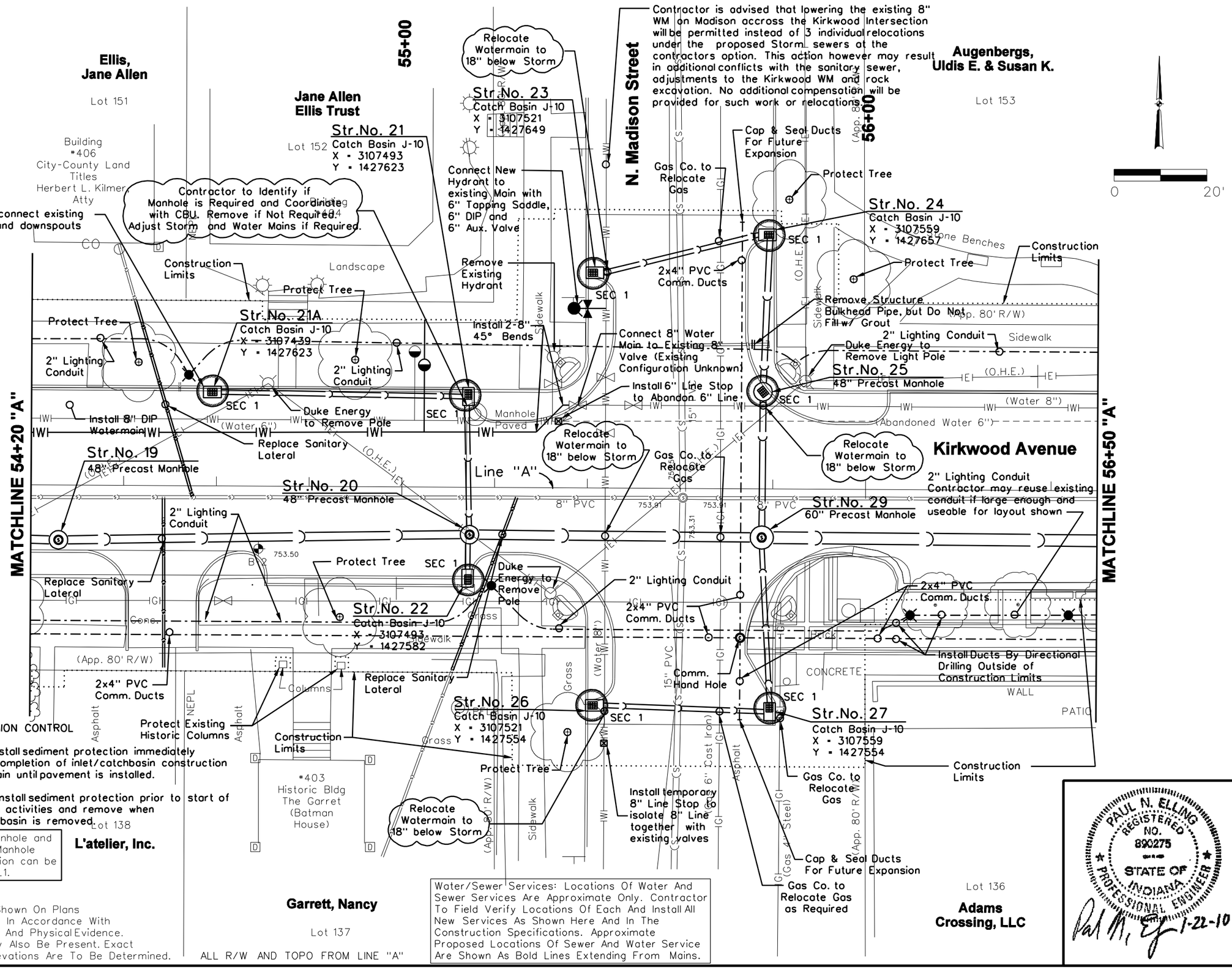

SOIL EROSION CONTROL

SEC 1 - Install sediment protection immediately following completion of inlet/catchbasin construction and maintain until pavement is installed.

SEC 2 - Install sediment protection prior to start of excavation activities and remove when inlet/catchbasin is removed.

Storm Sewer Manhole and Sanitary Sewer Manhole location information can be found on Sheet L1.

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PAUL N. ELLING REGISTERED NO. 890275 STATE OF INDIANA PROFESSIONAL ENGINEER
1-22-10

Revision Number	Revision Description	Drawn By	Checked By	Date
2	ADDENDUM 2 - MISC ISSUES	PNE	PNE	02-16-10

Designed By	JAB
Drawn By	JAB
Checked By	TJM
Approved By	PNE
Filename	344TP02.DGN
Project No.	11715
Project Date	1/22/10

CITY OF BLOOMINGTON DEPT. OF PUBLIC WORKS
KIRKWOOD AVENUE STREETSCAPE PHASE III
COLLEGE AVENUE TO ROGERS STREET
BLOOMINGTON, INDIANA

UTILITY PLANS
SOIL EROSION CONTROL

DONOHUE & ASSOCIATES

Sheet No. 5

Drawing No. P2

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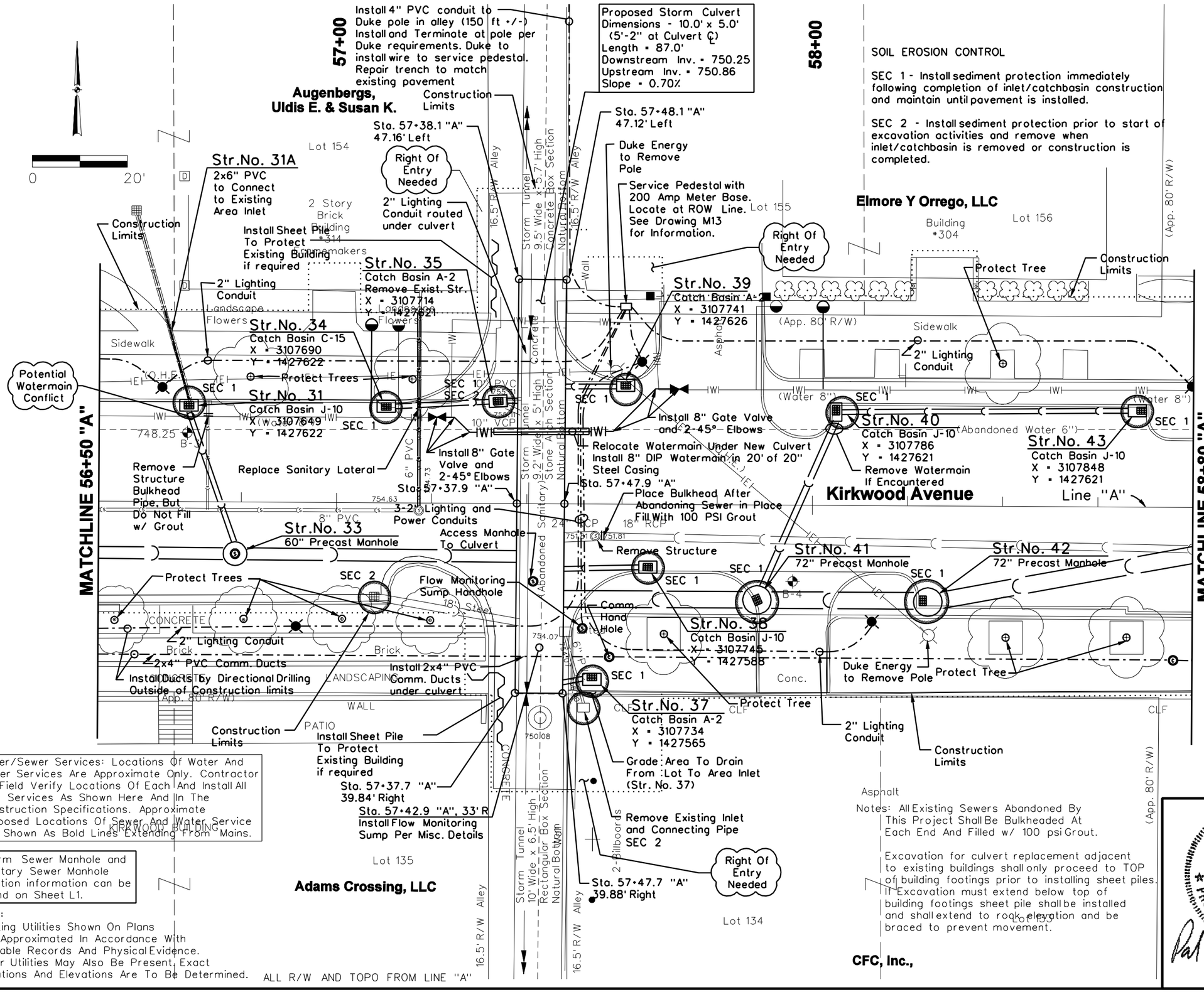

SOIL EROSION CONTROL

SEC 1 - Install sediment protection immediately following completion of inlet/catchbasin construction and maintain until pavement is installed.

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Water/Sewer Services: Locations Of Water And Sewer Services Are Approximate Only. Contractor To Field Verify Locations Of Each And Install All New Services As Shown Here And In The Construction Specifications. Approximate Proposed Locations Of Sewer And Water Service Are Shown As Bold Lines Extending From Mains.

Storm Sewer Manhole and Sanitary Sewer Manhole location information can be found on Sheet L1.

Note:
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Notes: All Existing Sewers Abandoned By This Project Shall Be Bulkheaded At Each End And Filled w/ 100 psi Grout.

Excavation for culvert replacement adjacent to existing buildings shall only proceed to TOP of building footings prior to installing sheet piles. If Excavation must extend below top of building footings sheet pile shall be installed and shall extend to rock elevation and be braced to prevent movement.

PAUL N. ELLING REGISTERED NO. 890275 STATE OF INDIANA PROFESSIONAL ENGINEER
1-22-10

Revision Number	Revision Description	Drawn By	Checked By	Date
1	ADDENDUM 1 - ST LIGHT DESIGN	JAB	PNE	02-02-10
2	ADDENDUM 2 - MISC. ISSUES	PNE	PNE	02-16-10

Designed By	JAB
Drawn By	JAB
Checked By	TJM
Approved By	PNE
Filename	344TP03.DGN
Project No.	11715
Project Date	1/22/10

CITY OF BLOOMINGTON DEPT. OF PUBLIC WORKS
KIRKWOOD AVENUE STREETSCAPE PHASE III
COLLEGE AVENUE TO ROGERS STREET
BLOOMINGTON, INDIANA

UTILITY PLANS
SOIL EROSION CONTROL

DONOHUE & ASSOCIATES

Sheet No. 6

Drawing No. P3

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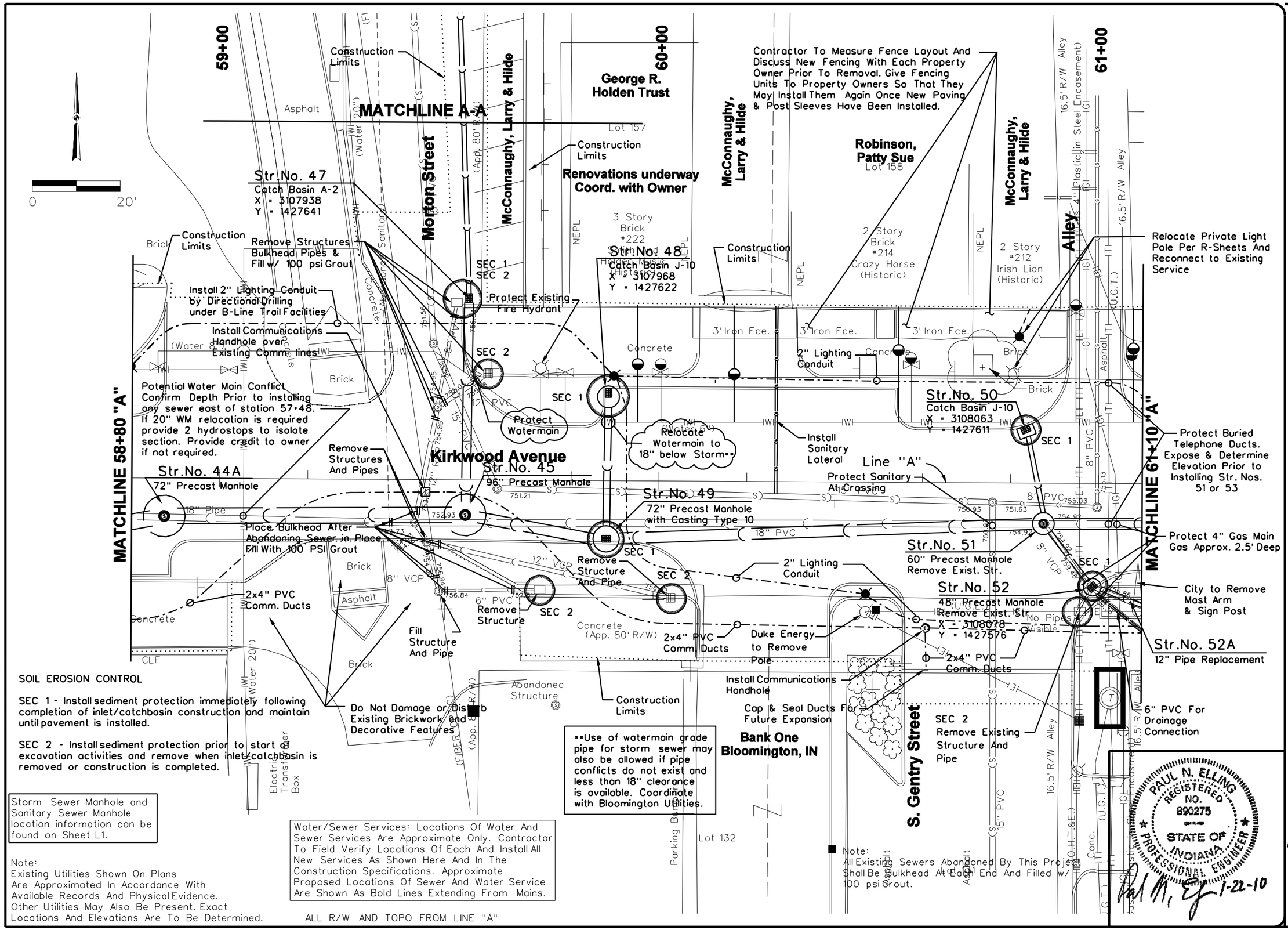

SOIL EROSION CONTROL

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**Use of watermain grade pipe for storm sewer may also be allowed if pipe conflicts do not exist and less than 18" clearance is available. Coordinate with Bloomington Utilities.

ALL R/W AND TOPO FROM LINE "A"

Revision Number	Revision Description	Drawn By	Checked By	Date
2	ADDENDUM 2 - MISC. ISSUES	JAB	PNE	02-02-10

Designed By	JAB
Drawn By	JAB
Checked By	TJM
Approved By	PNE
Filename	344TP04.DGN
Project No.	11715
Project Date	1/22/10

CITY OF BLOOMINGTON DEPT. OF PUBLIC WORKS
KIRKWOOD AVENUE STREETSCAPE PHASE III
COLLEGE AVENUE TO ROGERS STREET
BLOOMINGTON, INDIANA

UTILITY PLANS
SOI; EROSION CONTROL

DONOHUE & ASSOCIATES

Sheet No. 7

Drawing No. P4

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SOIL EROSION CONTROL

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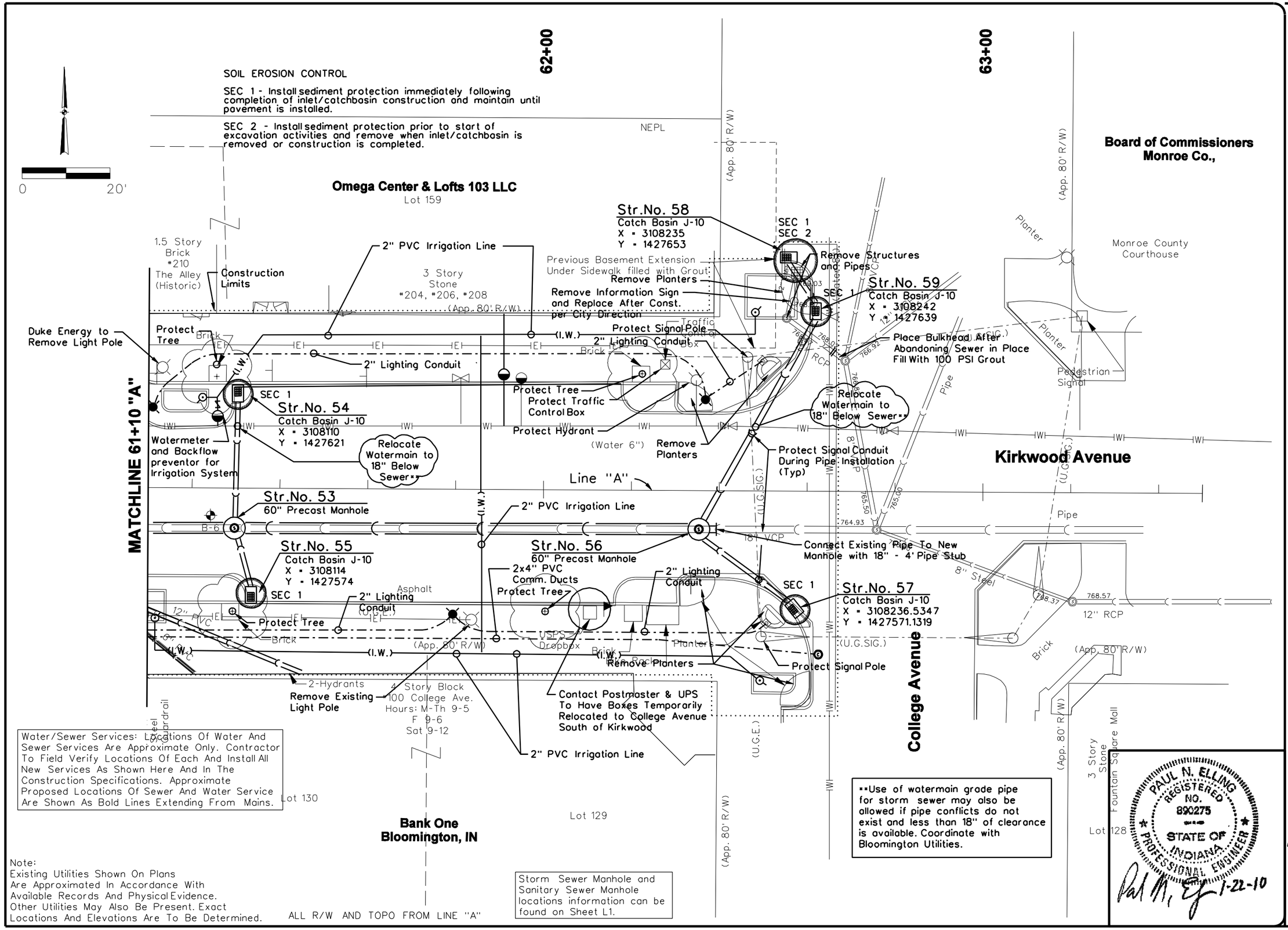

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2	ADDENDUM 2 - MISC. ISSUES	PNE	PNE	02-16-10

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Drawn By	JAB
Checked By	TJM
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UTILITY PLANS
SOIL EROSION CONTROL

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1-22-10

DONOHUE & ASSOCIATES

Sheet No. 8

Drawing No. P5

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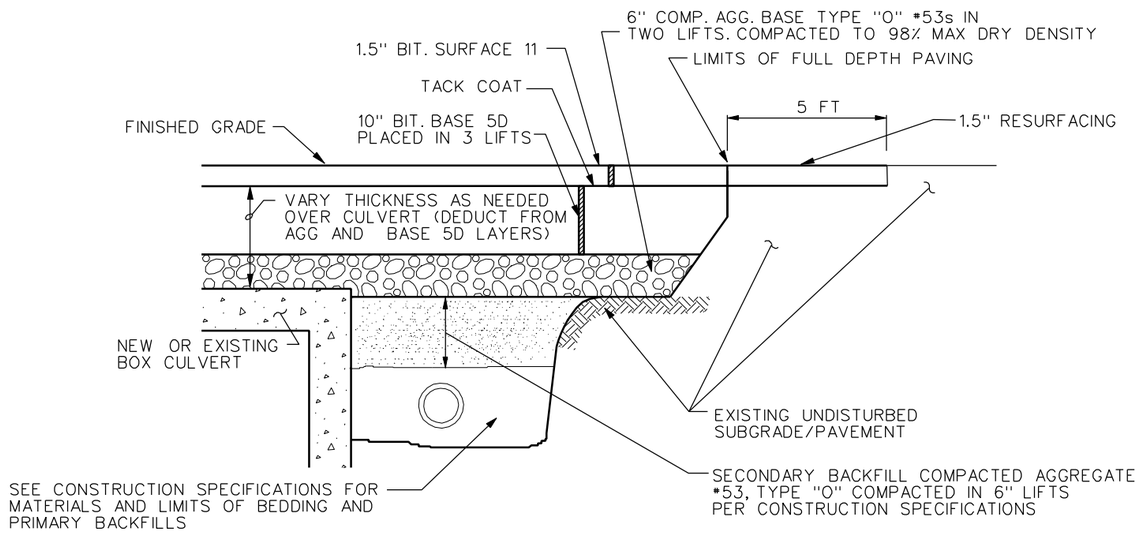
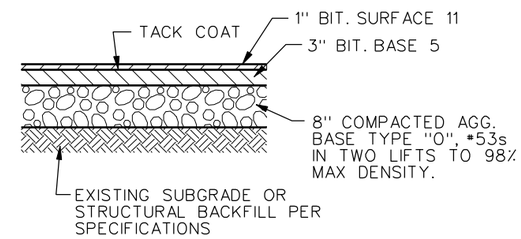


OVER BOX CULVERT OVER UTILITY TRENCH OTHER AREAS (TREATMENT OF JOINT TO EXISTING PAVEMENT)

STREETS

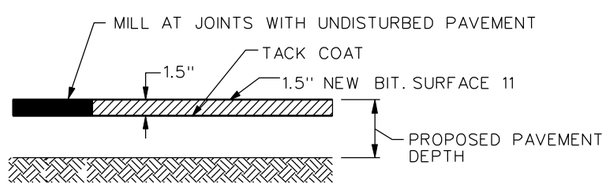
ASPHALT PAVEMENT RECONSTRUCTION DETAIL

NO SCALE



DRIVES AND ALLEYS

NOTES:
1. THIS DETAIL APPLIES IN ALL DRIVES AND ALLEYS TO RECEIVE ASPHALT PAVEMENT EXCEPT IN AREAS TO RECEIVE A CONCRETE AND BRICK INLAY. SEE PLANS FOR LOCATIONS AND SHEET M1 FOR DETAILS.
2. TREATMENT OVER UTILITY TRENCHES AND BOX CULVERTS AS SHOWN TO LEFT.



FINAL STREET SURFACING DETAILS

NO SCALE

NOTES:
1. MILL ADJOINING PAVEMENTS PRIOR INSTALLING FINAL PAVEMENT SURFACE.
2. ADJUST ALL CASTINGS TO PROPER FINISH GRADE PRIOR TO FINAL PAVING.
3. RECONSTRUCT PAVEMENT BELOW SURFACE PER PAVEMENT DETAILS ON THIS SHEET.
4. THIS DETAIL APPLIES IN ALL STREET AREAS TO RECEIVE ASPHALT PAVEMENT EXCEPT THOSE AREAS TO RECEIVE A CONCRETE AND BRICK INLAY. SEE PLANS FOR LOCATIONS AND SHEET M1 FOR DETAILS.
5. MINIMUM MILLING WIDTH OF 5 FT AT CONNECTIONS TO UNDISTURBED PAVEMENT.

PAUL N. ELLING REGISTERED NO. 890275 STATE OF INDIANA PROFESSIONAL ENGINEER
1-22-10

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2	ADDENDUM 2 - MISC. ITEMS	PNE	PNE	02-16-10

Designed By	JAB
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BLOOMINGTON, INDIANA

ASPHALT PAVING DETAILS

DONOHUE & ASSOCIATES

Sheet No. 31

Drawing No. M3

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