

Addendum D3

re: **City of Berne**
New Municipal Maintenance Building
335003.00

date: **February 23, 2024**

This Addendum forms a part of the Contract Documents for the above-referenced project and is issued in accordance with the Instructions to Bidders. Acknowledge receipt of this addendum by inserting its number in the space provided in the bid form.

ITEM	LOCATION	DESCRIPTION
A3.01	GENERAL	<u>CLARIFICATION:</u> Per the City of Berne, permits fees for the Project will be as follows: 1. Building Permit: \$810.00. 2. Water Tap: \$6,000.00 (This includes a 2" /4" meter for the domestic water and a backflow preventer). The Contractor will be responsible for any live tap fees for a 6" tap for the fire protection (above and beyond the \$6,000.00 water tap fee). 3. Sewer Tap: \$3,000.00.

CIVIL ITEMS:

C3.01	DRAWING C401 <i>(Drawing Reissued)</i>	<u>REVISE:</u> REVISE Legend symbol for Proposed Catch Basin to match plans.
C3.02	DRAWING C501 <i>(Drawing Reissued)</i>	<u>ADD:</u> ADD Temporary erosion control inlet protection symbol on existing inlets along Berne Street.



ITEM	LOCATION	DESCRIPTION
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C3.03	DRAWING C502 <i>(Drawing Reissued)</i>	<u>ADD:</u> ADD Temporary erosion control inlet protection symbol on proposed catch basins in proposed detention basin. <u>REVISE:</u> REVISE Structure symbol of proposed CB#3 to match structure type in New Storm Structure Information table on C401 & C402.
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MECHANICAL / ELECTRICAL / PLUMBING ITEMS:

MEP3.01	GENERAL	<u>ADD:</u> Attached please find "ADDENDUM NO. 3" write up from SCO Engineering, LLC dated 02/23/2024 addressing General item and Specifications for Mechanical, Electrical and Plumbing.
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Submitted by:
The Moake Park Group, Inc.



Kevin L. Runkel, AIA
Principal

attachments: SCO Engineering, LLC write-ups in "ADDENDUM NO. 3"
(Reissued) Drawing C401
(Reissued) Drawing C501
(Reissued) Drawing C502

copies: All Plan Holders
335003/670

Addendum

6534 Constitution Drive
Fort Wayne, IN 46804
(260) 436-9213
fax (260) 432-5481

ADDENDUM NO. 3

DATE: 02/23/2024

PROJECT: Berne New Municipal Maintenance Building

COMMISSION NO. **SCO** Engineering, LLC – 212573

The Contractor shall incorporate, into the Contract Documents and into his bid, the following changes and/or clarifications to the Drawings, Specifications and Scope of Work.

GENERAL

1. It is the intent of this project that MEGAPRESS pipe fittings are to be allowed to be installed on all natural gas piping within the scope of this project.

SPECIFICATIONS

1. Section 224716 – Pressure Water Coolers
 - a. Add Paragraph 2.1., A., 1., c., as follows:
“c. Oasis International.”

Section 233300 – Air Duct Accessories

1. Add new paragraph 2.3, A., 6., as follows
 - a. “6. Pottorff.”
2. Add new paragraph 2.4, A., 6., as follows
 - a. “6. Pottorff.”
3. Add new paragraph 2.5, A., 1., d., as follows
 - a. “d. Pottorff.”
4. Add new paragraph 2.5, B., 1., d., as follows
 - a. “d. Pottorff.”
5. Add new paragraph 2.6, A., 6., as follows
 - a. “6. Pottorff.”
6. Add new paragraph 2.9, A., 4., as follows
 - a. “4. Pottorff.”

Section 233713 – Diffusers, Registers, and Grilles

1. Add new paragraph 2.1, A., 1., f., as follows
 - a. “f. Krueger-HVAC”
2. Add new paragraph 2.1, A., 1., g., as follows
 - a. “g. METALAIRE, Inc”
3. Add new paragraph 2.2, A., 1., f., as follows
 - a. “d. Krueger-HVAC”
4. Add new paragraph 2.2, A., 1., g., as follows
 - b. “g. METALAIRE, Inc”

Section 262413 Switchboards

1. Add new paragraph 2.2, A., 4., as follows:
 - a. GE/ABB

Section 262416 Panelboard

1. Add new paragraph 2.1, A., 4., as follows:
 - a. GE/ABB

UTILITY CROSSING NOTES:

- 1 STORM SEWER
TOP OF 8" PIPE - 833.79
8" PIPE INV - 833.12
- 2 STORM SEWER
TOP OF 8" PIPE - 833.72
8" PIPE INV - 833.05
- 3 SANITARY SEWER
TOP OF 6" PIPE - 830.28
6" PIPE INV - 829.78
- 4 SANITARY SEWER
TOP OF 6" PIPE - 830.48
6" PIPE INV - 829.98

NEW STORM STRUCTURE INFORMATION

- CB #1 - 48" CATCH BASIN
L1 00001045 GRADE
RIM 831.00
INV 826.34 - 12" HDPE NW
INV 826.24 - 12" HDPE SW
W/ ORIFICE PLATE
- CB #2 - 48" CATCH BASIN
L1 00001045 GRADE
RIM 832.00
INV 826.18 - 12" HDPE NE
INV 826.08 - 30" HDPE S
- CB #3 - 72" DOGHOUSE
MANHOLE
RIM 833.22
INV 825.08 - 30" HDPE N
INV 824.73 - 36" RCP W
INV 824.73 - 36" RCP E

NEW SANITARY STRUCTURE INFORMATION

- OIL/SAND STR. #101
RIM 836.22
INLET INV 829.94
OUTLET INV 829.69
- SAN MANHOLE #1
48" SANITARY MANHOLE
RIM 834.19
INV 829.45 - 6" SDR 35 PVC N
INV 829.35 - 6" SDR 35 PVC SW
- GRINDER STATION GS-C403-1
SEE SHEET C403
RIM 835.00
INV 828.80 - 6" SDR 35 PVC N
INV 829.00 - 2" DR 11 HDPE SW

EXISTING SANITARY STRUCTURE INFORMATION

- EXST. STR.
RIM 830.59
INV 828.29 - 18" RCP N
- EXST. STR.
RIM 830.58
INV 829.63 - 12" HDPE N
INV 827.00 - 12" RCP W
INV 827.00 - 12" RCP E

EXISTING STORM STRUCTURE INFORMATION

- EXST. STR.
RIM 830.59
INV 828.29 - 18" RCP N
- EXST. STR.
RIM 830.58
INV 829.63 - 12" HDPE N
INV 827.00 - 12" RCP W
INV 827.00 - 12" RCP E

LEGEND

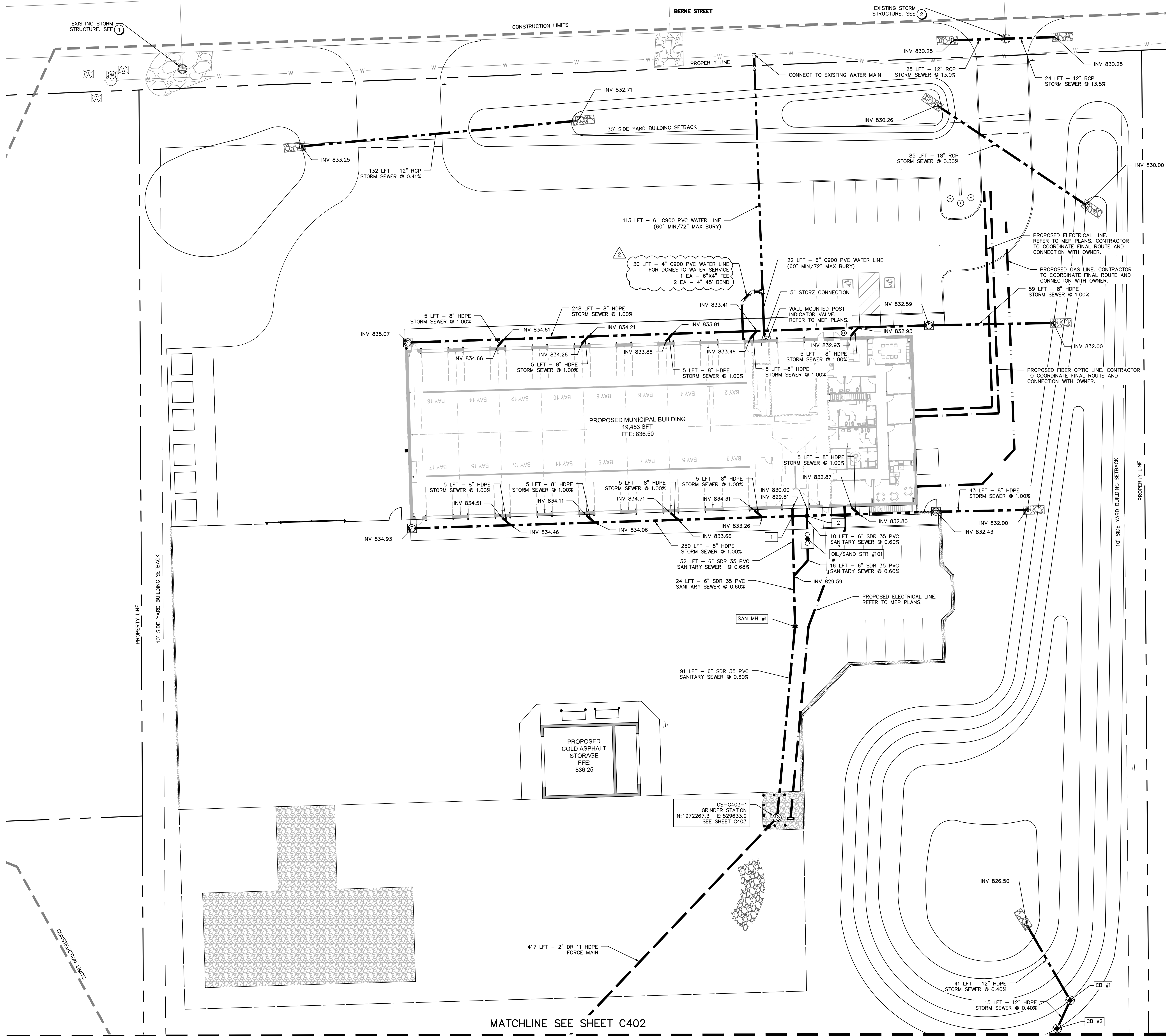
- PROPOSED STORM MANHOLE
PROPOSED CATCH BASIN
PROPOSED STORM LINE
PROPOSED WATER LINE
PROPOSED SANITARY LINE
PROPOSED GAS LINE
PROPOSED ELECTRIC LINE
PROPOSED FIBER OPTIC LINE
EXISTING ELECTRICAL CONDUIT
EXISTING GAS LINE
EXISTING TELEPHONE
EXISTING OVERHEAD LINE
EXISTING STORM SEWER
EXISTING SANITARY LINE
EXISTING FIBER OPTIC LINE
EXISTING WATER LINE

NOTES:

1. CONTRACTOR SHALL MAINTAIN 18" MIN VERTICAL AND 10" MIN HORIZONTAL SEPARATION BETWEEN WATER MAIN AND STORM AND/OR SANITARY SEWER
2. CONTRACTOR SHALL COORDINATE DOWNSPOUT LOCATIONS WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION OF DOWNSPOUT STORM SEWER CONNECTION.
3. CONTRACTOR SHALL COORDINATE WATER AND SANITARY SEWER SERVICE LOCATIONS WITH ARCHITECTURAL & PLUMBING DRAWINGS PRIOR TO CONSTRUCTION.
4. PROTECT ALL EXISTING SITE UTILITY LINES AND/OR SERVICES UNLESS OTHERWISE NOTED ON DEMOLITION PLANS.
5. CONTRACTOR SHALL TAKE CARE DURING INSTALLATION OF NEW SANITARY FORCE MAINS NOT TO INADVERTENTLY CREATE ANY ADDITIONAL HIGH POINTS IN THE FORCE MAINS. ANY HIGH POINTS CREATED SHALL BE ADDRESSED AT THE CONTRACTOR'S EXPENSE AND PURSUANT TO THE DIRECTION OF THE ENGINEER.
6. GRINDER STATION LOCATION SHOWN IN THE DRAWING MAY ONLY BE SHIFTED DURING CONSTRUCTION WITH PRIOR WRITTEN APPROVAL OF THE ENGINEER OF THEIR DULY AUTHORIZED REPRESENTATIVE.

ORIFICE SIZING CALCULATIONS - CB #1

- ALLOWABLE SITE DISCHARGE RATE = 0.26 CFS
- $Q = C \cdot A \cdot \sqrt{2GH}$
- ASSUMPTIONS
- Q = DISCHARGE RATE (CFS)
A = DISCHARGE ORIFICE AREA (SFT)
C = ORIFICE DISCHARGE COEFFICIENT (0.62)
G = GRAVITY CONSTANT (32.2 FT/SEC)
H = HEIGHT FROM ORIFICE TO TOP OF BASIN
- $0.26 \text{ CFS} = 0.62 \cdot A \cdot \sqrt{2 \cdot 32.2 \cdot 4.76}$
- $A = \frac{0.26}{0.62 \cdot \sqrt{2 \cdot 32.2 \cdot 4.76}}$
- A = 0.024 SFT
- DETERMINE ORIFICE PLATE SIZING
- $A = \pi \cdot R^2$
- $0.024 = \pi \cdot R^2$
- $R = 0.09 \text{ FT} = 1.08 \text{ IN.}$
- ORIFICE SIZE - 2.16" Ø USE 2" Ø
- $Q = 0.62 \cdot \pi \cdot 0.083^2 \cdot \sqrt{2 \cdot 32.2 \cdot 4.76} = 0.24 \text{ CFS}$



A PROJECT FOR:



NEW MUNICIPAL MAINTENANCE BUILDING

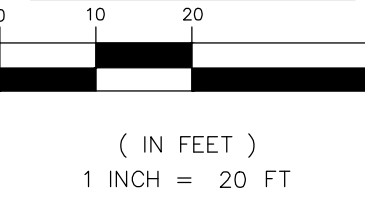
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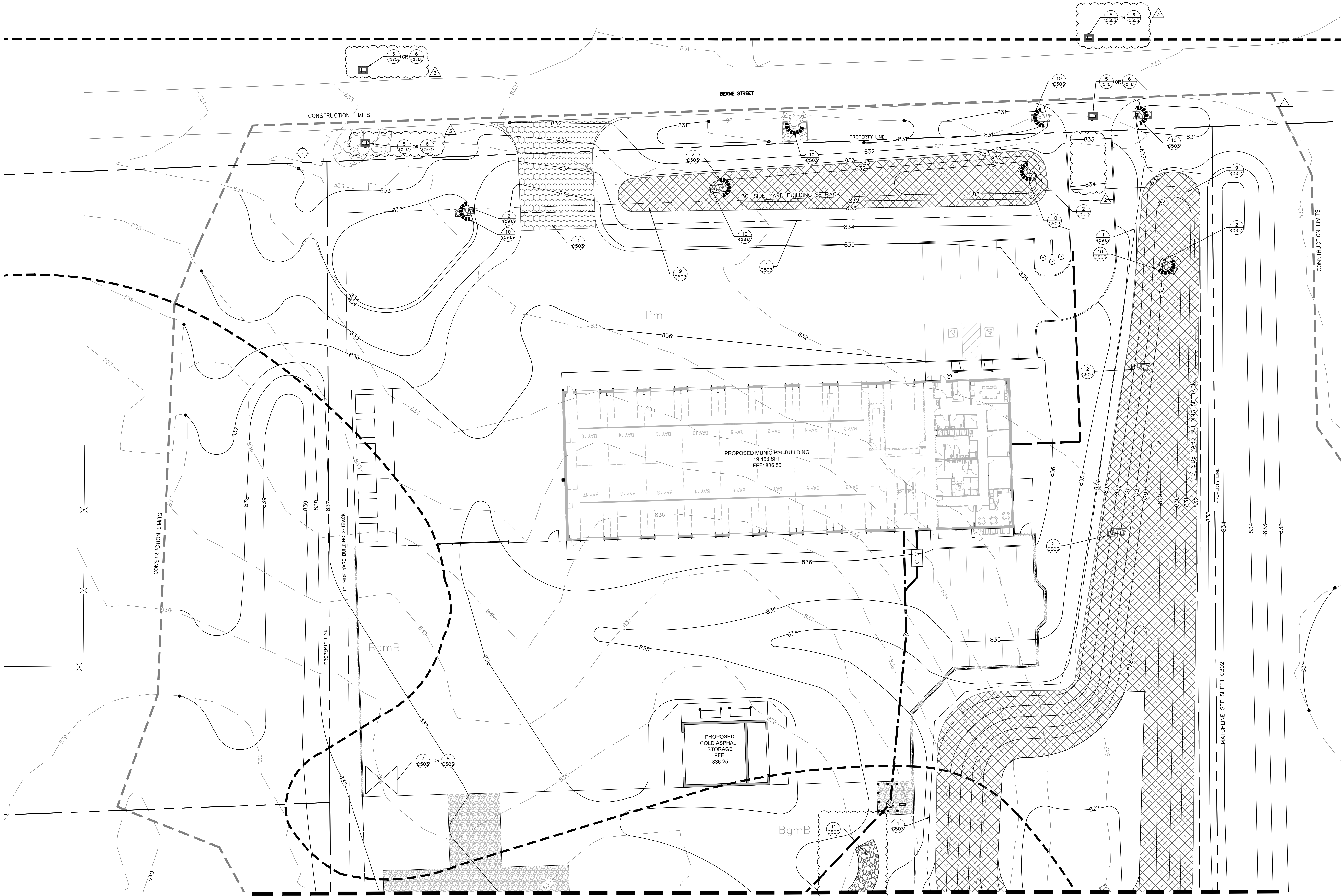
mark	date	description
1	02/08/24	PER ADDENDUM 1
2	02/16/24	PER ADDENDUM 2
3	02/23/24	PER ADDENDUM 3

UTILITY PLAN

date: 1/30/2024
project: 2021-0136
coordinator: NGD
drawn: JUB / RRM
checked: NGD

GRAPHIC SCALE





EROSION CONTROL NOTES

1. THE CONCRETE WASHOUT MUST BE LOCATED MORE THAN 50' AWAY FROM ANY RETENTION AREA AND/OR STORM SYSTEM.
2. THE CONCRETE WASHOUT MUST BE INSPECTED DAILY.
3. ANY FUELING STATION LOCATED ON SITE SHALL BE LOCATED WITHIN A SECONDARY CONTAINMENT SYSTEM, AND MUST BE INSPECTED DAILY AND AFTER RAINFALL EVENTS.
4. THE CONTRACTOR SHALL SCHEDULE AN ON-SITE PRE-CONSTRUCTION MEETING WITH THE ADAMS COUNTY SWCD AND THE CITY OF BERNIE PRIOR TO LAND DISTURBING ACTIVITIES.

HAZ-MAT/CHEMICAL SPILL NOTIFICATION

State Fire Marshals Office: 1-800-669-7362
IDEM Environmental Emergencies: 1-888-233-7745

PETROLEUM PRODUCT SPILLS IN THE AMOUNT OF 55 GALLONS OR MORE MUST BE REPORTED TO IDEM REGARDLESS OF CLEANUP METHODS.

HYDROLOGIC UNIT CODE:

041000040402

LATITUDE / LONGITUDE:

40° 39' 12.6216" N / 84° 57' 0.2946" W

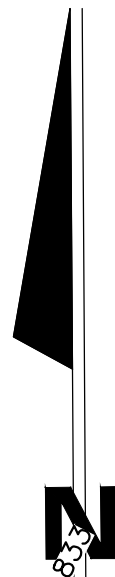
EROSION CONTROL LEGEND

- 1. SILT FENCE, PROPERLY ANCHORED
- 2. TEMPORARY EROSION CONTROL INLET PROTECTION
- 3. PERMANENT OUTLET PROTECTION
- 4. TEMPORARY EROSION CONTROL BLANKET
- 5. TEMPORARY GRAVEL ACCESS PAD
- 6. TOPSOIL STOCKPILE AREA
- 7. HORSHOE ROCK SEDIMENT CONTROL
- 8. CONCRETE WASHOUT
- 9. CHECK DAM

SOILS LEGEND

- BgmB BLOUNT SILT LOAM, GROUND MORANE, 2 TO 4 PERCENT SLOPES
- Pm PEWAMO SILTY CLAY, 0 TO 2 PERCENT SLOPES

MATCHLINE SEE SHEET C502



GRAPHIC SCALE

(IN FEET)
1 INCH = 20 FT



A PROJECT FOR:



NEW MUNICIPAL MAINTENANCE BUILDING

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mark	date	description
2	02/16/24	PER ADDENDUM 2
3	02/23/24	PER ADDENDUM 3

EROSION CONTROL PLAN

date: 1/30/2024
project: 2021-0136
coordinator: NGD
drawn: JJB / RRM
checked: NGD

C501



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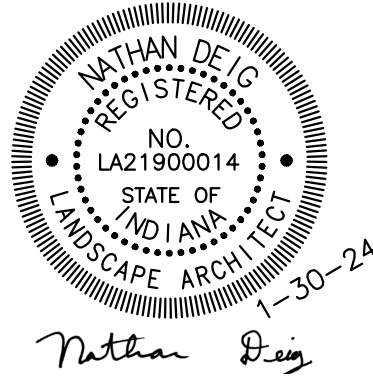
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date: 1/30/2024

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C502