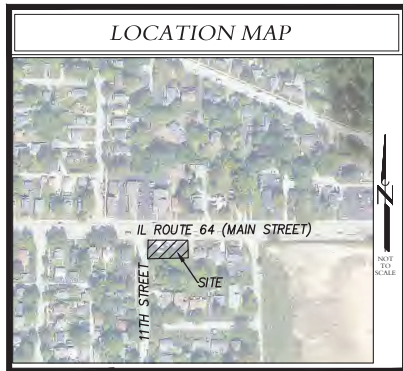


# PRELIMINARY ENGINEERING

# GAS STATION

1023 W. MAIN STREET  
ST. CHARLES, ILLINOIS

PREPARED FOR  
SHAHID ALI



| DRAWINGS INDEX |                                       |     |         |
|----------------|---------------------------------------|-----|---------|
|                | ON-SITE IMPROVEMENTS                  | REV | DATE    |
| C0.1           | TITLE SHEET & INDEX                   | 1   | 1/26/22 |
| C0.2           | EXISTING CONDITIONS & DEMOLITION PLAN | 1   | 1/26/22 |
| C1.1           | SITE PLAN                             | 1   | 1/26/22 |
| C2.1           | GRADING PLAN                          | 1   | 1/26/22 |
| C2.2           | STORMWATER POLLUTION PREVENTION PLAN  | 1   | 1/26/22 |
| C2.3           | SWPPP SPECIFICATIONS & DETAILS        | 0   | 5/6/21  |
| C2.4           | IL ROUTE 64 CROSS SECTIONS            | 0   | 1/26/22 |
| C3.1           | UTILITY PLAN                          | 1   | 1/26/22 |
| L-1.0          | LANDSCAPE PLAN                        | 1   | 1/31/22 |
| SL200          | PHOTOMETRIC PLAN                      | 1   | 2/3/22  |
| C7.1           | GENERAL NOTES & SPECIFICATIONS        | 0   | 5/6/21  |
| C7.2           | SITE & UTILITY DETAILS                | 1   | 1/26/22 |
| C7.3           | IDOT DETAILS                          | 1   | 1/26/22 |
| C7.4           | IDOT DETAILS                          | 0   | 1/26/22 |
| C7.5           | IDOT DETAILS                          | 0   | 1/26/22 |
| C7.6           | IDOT DETAILS                          | 0   | 1/26/22 |
|                | LATEST REVISION                       | 1   | 1/26/22 |

| CONTACTS   |
|--|
| City of St. Charles<br>2 East Main Street<br>St. Charles, IL 60174                                   |
| <i>Planning Division</i><br>Russell Cobly - Community Development Division Manager<br>(630) 377-4443 |
| <i>Public Works</i><br>Peter Suhr - Director<br>(630) 377-4405                                       |
| <i>Community &amp; Economic Development</i><br>Rita Tungare - Director<br>(630) 377-443              |

| BENCHMARKS   |
|--|
| Benchmark #1: Existing cut cross in the middle of the public sidewalk at the Site's NE property corner, 2' north of the site's NE property corner. |
| Elevation: 753.22  |
| Refer to sheet C0.2 for benchmark locations. All benchmarks are USGS NAVD88.   |

**WARNING CALL**

Call 48 hours before you dig (Excluding Sat, Sun & Holidays)



**BEFORE YOU DIG**

CONTRACTORS SHALL CALL J.U.L.I.E. BEFORE START OF CONSTRUCTION, CALL LOCAL AMERITECH OFFICE FOR LOCATIONS OF FIBEROPTIC CABLES. J.U.L.I.E. DOES NOT MARK THESE LOCATIONS.

Generates 24 hours a day 365 days a year!



| REVISIONS |         |                          |
|-----------|---------|--------------------------|
| NO.       | DATE    | DESCRIPTION              |
| 1         | 1/28/22 | PER IDOT & CITY COMMENTS |

TITLE SHEET & INDEX

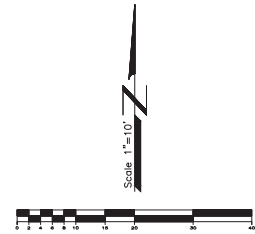
GAS STATION  
1023 W. MAIN STREET  
ST. CHARLES, ILLINOIS

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY SUPERVISION AND TO THE BEST OF MY KNOWLEDGE COMPLY WITH THE CODES AND ORDINANCES OF THE CITY OF ST. CHARLES, BY LICENSE EXPIRATION: NOVEMBER 30, 2023  
STEVEN R. KUDWA, P.E. LICENSED ENGINEER # 062-054950

**Craig Z. Knoche & Associates** - Civil Engineers  
24 N. Bennett Street • Geneva, IL 60134 • phone (815) 849-2270 • fax (815) 849-2272

|            |            |
|------------|------------|
| DATE:      | 5/6/21     |
| FILE:      | 21-006 C01 |
| JOB NO.:   | 21-006     |
| SHEET NO.: | C0.1       |

ST. CHARLES, ILLINOIS  
GAS STATION

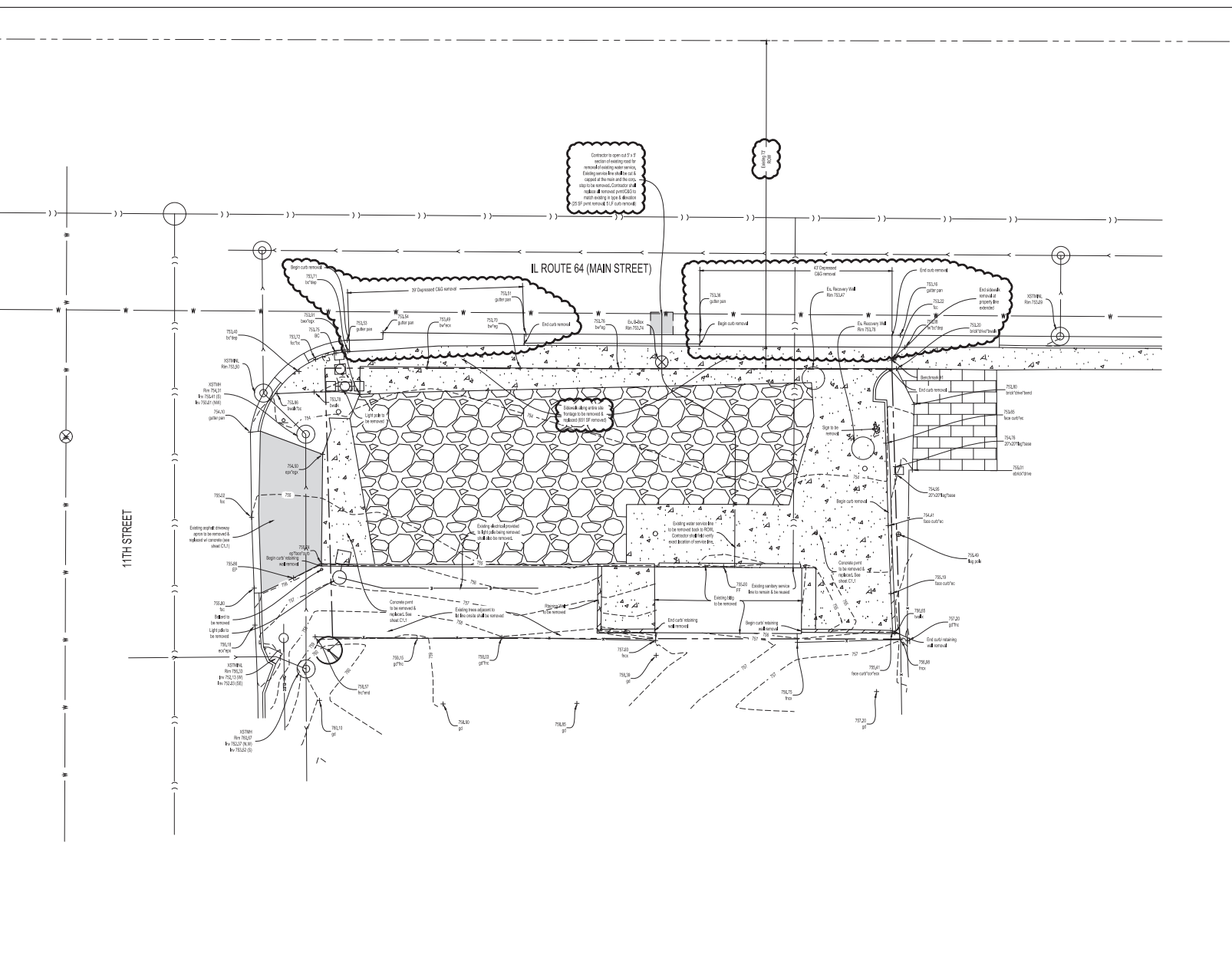


**SITE DEMOLITION LEGEND**

|                   | TO REMAIN  | TO BE REMOVED |
|-------------------|------------|---------------|
| Watermain         | —W—        | —W—           |
| Storm Sewer       | —SS—       | —SS—          |
| Sanitary Sewer    | —S—        | —S—           |
| Overhead Electric | —OHE-ELEC— | —OHE-ELEC—    |
| Electric          | —E—        | —E—           |
| Telephone         | —T—        | —T—           |
| Gas               | —G—        | —G—           |
| Storm Manhole     | ⊙          | ⊙             |
| Sanitary Manhole  | ⊙          | ⊙             |
| Valve Vault/B-Box | ⊙          | ⊙             |
| Storm Inlet       | ⊙          | ⊙             |
| Fire Hydrant      | ⊙          | ⊙             |
| Utility Pole      | ⊙          | ⊙             |
| Curb & Gutter     | —CG—       | —CG—          |
| Contour           | —C—        | —C—           |
| Trees             | ⊙          | ⊙             |
| Street Light      | ⊙          | ⊙             |
| Telephone         | ⊙          | ⊙             |
| Concrete          | [Pattern]  | [Pattern]     |
| Sign              | ⊙          | ⊙             |
| Fence             | —F—        | —F—           |
| Pavement          | [Pattern]  | [Pattern]     |

**SITE DEMOLITION NOTES**

- All items which are to be abandoned shall be removed and replaced with approved trench backfill and compacted to 95% modified proctor. Related items including areas 95% in any other location, 1/2 ft up and on both ends of pipe for a distance of 2' and be made of loadable concrete material or masonry.
- Contractor shall work in existing conditions prior to demolition and complete all engineering of any decommission or potential conflicts between existing conditions and proposed design.
- All excavations shall be backfilled and disposed of properly. Demolition debris shall not be hauled or sold unless an engineer has approved all backfill work.
- Demolition contractor shall follow all applicable codes and regulations.
- All items to be abandoned shall be capped in accordance with the requirements of the appropriate utility companies and the governing municipality.
- Traffic control for work on the right-of-way shall meet DOT standards per Section 703, Standard Specifications for Road and Bridge Construction, (as required 2017).
- Contractor must barricade (including warning lights) all open excavations to prevent vehicles and pedestrian traffic from entering the area.
- All excavations to be backfilled by the new approved engineering to 95% modified proctor.
- Excavation contractor shall provide site restoration to original ground surface and/or pavement level.
- Excavation contractor shall be coordinated with adjacent property owners to maintain continuous access to all existing driveways.
- All final work removed from excavation within prior to setting the construction site. Any dirt and debris deposited on the adjacent roadway shall be immediately removed from said adjacent roadway.
- All items to be abandoned shall be capped in accordance with the requirements of the appropriate utility companies and the governing municipality.
- Demolition of utilities including but not limited to gas, electric, telephone and cable shall be coordinated with the governing municipality and the utility companies.
- Excavate all utility trenches, including pathways, to minimum design depth for new construction.
- Contractor shall be responsible for removal of all utility and underground requirements including but not limited to those shown on these plans.
- Gravels to be graded to have positive drainage and needed or immediate construction of the new building.



**REVISIONS**

| NO. | DATE    | PER IDOT & VILLAGE COMMENTS | DESCRIPTION |
|-----|---------|-----------------------------|-------------|
| 1   | 1/28/22 | PER IDOT & VILLAGE COMMENTS |             |

**EXISTING CONDITIONS & DEMOLITION PLAN**

**GAS STATION**  
1023 W. MAIN STREET  
ST. CHARLES, ILLINOIS

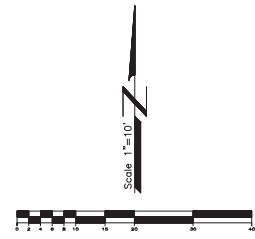
DATE: 5/8/21  
FILE: 21-006 C02  
JOB NO: 21-006  
SHEET NO.

**Craig R. Knoche & Associates** • Civil Engineers  
• Surveyors  
**Civil Engineers, P.C.** • Land Planners  
1111 Commerce Drive • Geneva, IL 60134 • Phone (630) 449-2370 • Fax (630) 449-2375

DATE: 5/8/21  
FILE: 21-006 C02  
JOB NO: 21-006  
SHEET NO.

**C0.2**  
SHEET NO.

ST. CHARLES, ILLINOIS  
GAS STATION



**SITE ANALYSIS**

|  |  |
|--|--|
| <b>SITE</b>                            |  |
| 1023 W. Main Street<br>St. Charles, IL |  |
| Parcel Area                            | 7,557 sf<br>±0.17 Acres  |
| Building Area                          | 1,440 sf   |
| <b>PARKING</b>                         |  |
| Quantity Required                      | 6 = 4 x 1,440/1,000<br>7 Spaces<br>Gas Station (4 spaces per every 1,000 of floor area)<br>Residential (1 per dwelling unit) |
| Provided                               | 10 = 3 Standard + 6 Pumps + 1 ADA  |
| Stall Size Required                    | 9' x 18' (Standard)  |
| Provided                               | 9' x 18' (Standard), 10' x 18' (ADA)   |

**LEGEND**

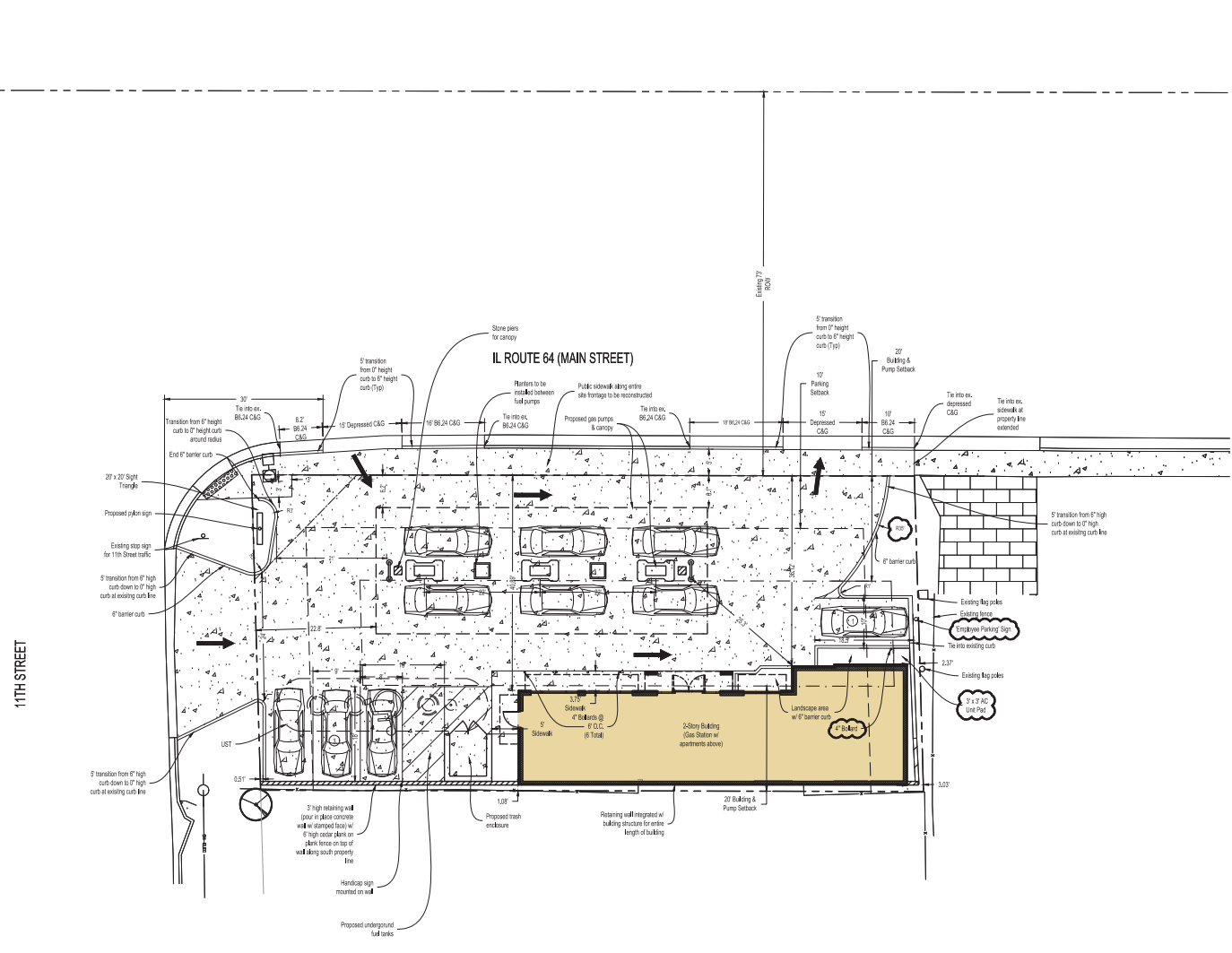
|                        |  |
|------------------------|--|
| Proposed Curb & Gutter |  |
| Existing Curb & Gutter |  |
| Property Line          |  |
| Setback Line           |  |
| Concrete               |  |
| Truncated Domes        |  |

**SITE IMPERVIOUS**

Existing Impervious Area = 6,415 sf OR 15 Acres  
 Proposed Impervious Area = 7,009 sf OR 16 Acres  
 Net New Impervious Area = 594 sf OR 0.14 Acres  
 Site Percent Impervious = 93%  
 Per Kane County Stormwater Ordinance, since the site impervious area exceeds 50% of the total site area - BMP requirements are triggered for this redevelopment.  
 Total BMP Volume = 102' x 7,006 sf = 884 cf  
 Due to redevelopment being a gas station, infiltration is not allowed. Pre-Treatment will be provided via the Control CSS Separator Unit (see sheet C2.1) and a fee-in-lieu will be paid for the BMP volume required.

**SITE NOTES**

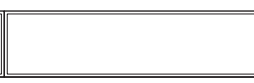
- All dimensions are base of curb unless otherwise noted.
- All curb radii are base of curb unless otherwise noted.
- Contractor to verify dimensions prior to starting work and notify engineer if any discrepancies are found.
- Setback around perimeter of building shall be with pavement unless otherwise specified on plans.
- Contractor will be responsible for restoring all existing pavement damaged during construction.
- See details for bituminous and concrete pavement materials.
- Contractor to provide temporary traffic control measures during construction of driveway in accordance w/ Illinois C.O.T.C. requirements.
- ADA handicap areas shall be installed at all locations delineated on plans as well as at all locations where sidewalk abuts drive or roadway.
- Contractor shall compare architectural and engineering plans for interface compatibility.
- Pavement striping to be white two coats unless otherwise specified on plans.



| REVISIONS |         |                          |
|-----------|---------|--------------------------|
| NO.       | DATE    | DESCRIPTION              |
| 2         | 4/7/22  | PER VILLAGE COMMENTS     |
| 1         | 1/28/22 | PER IDOT & CITY COMMENTS |

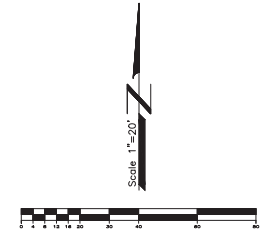
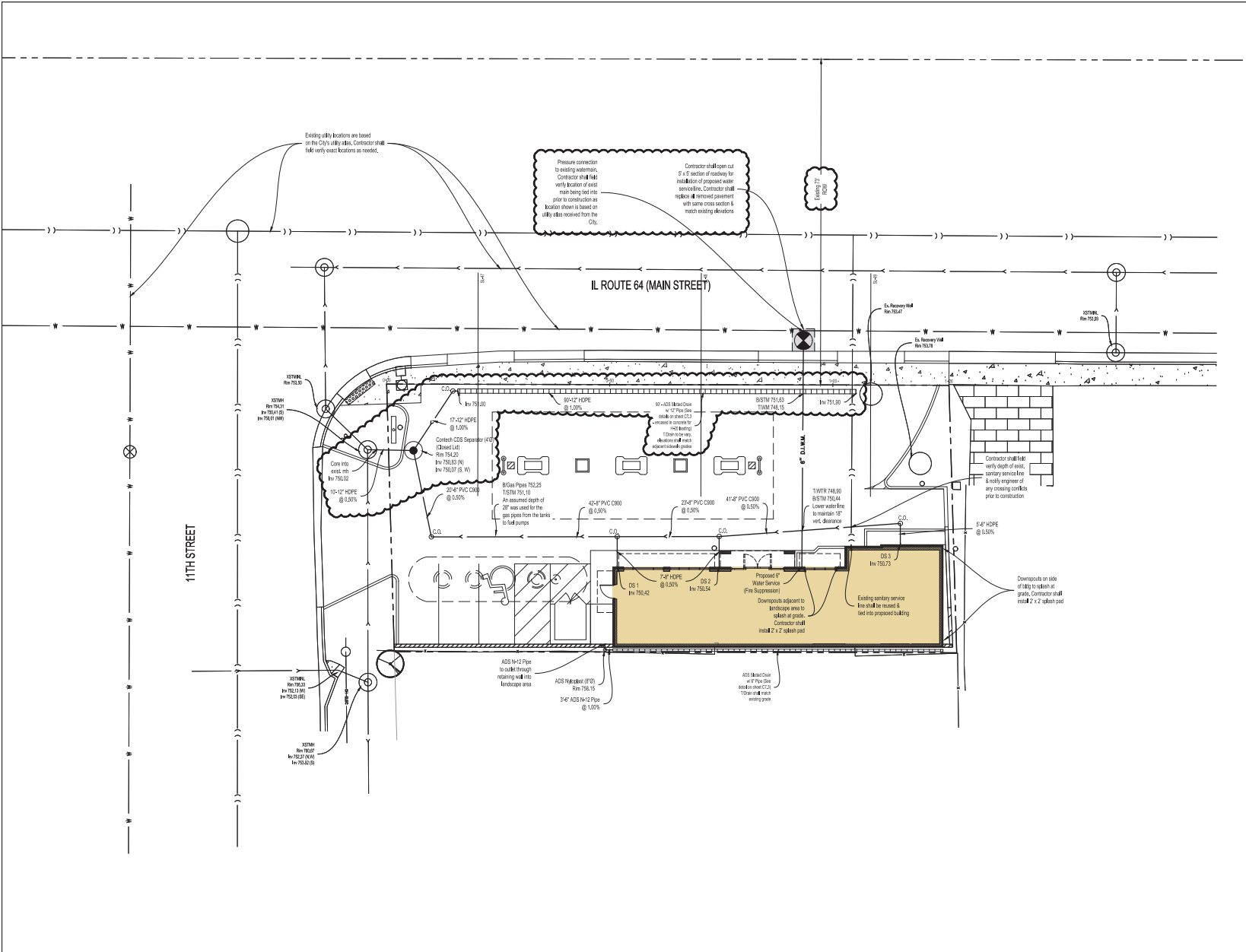
**SITE PLAN**

**GAS STATION**  
 1023 W. MAIN STREET  
 ST. CHARLES, ILLINOIS



DATE: 5/6/21  
 FILE: 21-006 C10  
 JOB NO: 21-006  
 SHEET NO.

**C1.1**



**LEGEND**

|                     | PROPOSED | EXISTING |
|---------------------|----------|----------|
| STORM SEWER         |          |          |
| SANITARY SEWER      |          |          |
| WATER MAIN          |          |          |
| ELECTRIC            |          |          |
| TELEPHONE           |          |          |
| GAS                 |          |          |
| STORM MANHOLE       |          |          |
| FLARED END SECTION  |          |          |
| SANITARY MANHOLE    |          |          |
| VALVE VAULT / B-BOX |          |          |
| FIRE HYDRANT        |          |          |
| LIGHT POLES         |          |          |
| TRANSFORMER         |          |          |

- UTILITY NOTES**
1. All watermain and gas lines shall be installed in accordance with the applicable codes and specifications. All gas lines shall be installed in accordance with the applicable codes and specifications. All gas lines shall be installed in accordance with the applicable codes and specifications.
  2. All gas lines shall be installed in accordance with the applicable codes and specifications. All gas lines shall be installed in accordance with the applicable codes and specifications.
  3. Proposed concrete sections for manholes, catch basins, vaults, and vaults shall meet ASTM C900.
  4. Existing utility shown for information only and not necessarily to be installed. Contractor shall verify all utilities shown, including depth, location, and condition, prior to construction.
  5. No fire hydrant shall be installed in a location where it will be subject to damage from the proposed construction. All fire hydrants shall be installed in accordance with the applicable codes and specifications.
  6. General contractor shall verify specific size and location of existing gas, electric, and telephone lines prior to construction.
  7. All existing gas lines shall be installed in accordance with the applicable codes and specifications. All existing gas lines shall be installed in accordance with the applicable codes and specifications.
  8. Sanitary gas shall be installed in accordance with the applicable codes and specifications. All sanitary gas shall be installed in accordance with the applicable codes and specifications.
  9. Contractor to see landscape and irrigation specifications in architectural plans and connect documents for additional requirements.
  10. Frame and pipe requirements: Storm Structure (Frame) - Meet 10' x 10' Frame, 16'20' Type C Grade; Storm Structure (Pipe) - 16'20' Type C Grade; Storm Structure (Manhole) - 16'20' Type C Grade; Storm Structure (Vault) - 16'20' Type C Grade.

**REVISIONS**

| NO. | DATE    | DESCRIPTION                 |
|-----|---------|-----------------------------|
| 1   | 1/28/22 | PER IDOT & VILLAGE COMMENTS |

**UTILITY PLAN**

**GAS STATION**  
1023 W. MAIN STREET  
ST. CHARLES, ILLINOIS

**Craig R. Knoche & Associates** - Civil Engineers  
**Civil Engineers, P.C.**  
 1118 Commerce Drive • Geneva, IL 60134 • phone (630) 449-1270 • fax (630) 449-1272

DATE: 5/6/21  
 FILE: 21-006 C30  
 JOB NO: 21-006

**C3.1**  
SHEET NO.

ST. CHARLES, ILLINOIS



**LEGEND**

|                    | EXISTING | PROPOSED |
|--------------------|----------|----------|
| Pavement Grade     | ◆ 475.30 | ◆ 475.30 |
| Walk Grade         | ◆ 475.00 | ◆ 475.00 |
| Back of Curb Grade | ◆ 475.00 | ◆ 475.00 |
| Ground Grade       | ◆ 475.00 | ◆ 475.00 |
| Rim Grade          | ◆ 475.00 | ◆ 475.00 |
| Storm Structure    | ⊙        | ⊙        |
| Contours           | — 475    | — 475    |
| Emergency Overflow |          | ➔        |
| Flow Direction     |          | ➔        |
| Ridgelines         | ---      | ---      |
| Reversed Curb      |          | ~        |

All proposed grades are edge of pavement unless otherwise noted. See below for top of curb location contours.

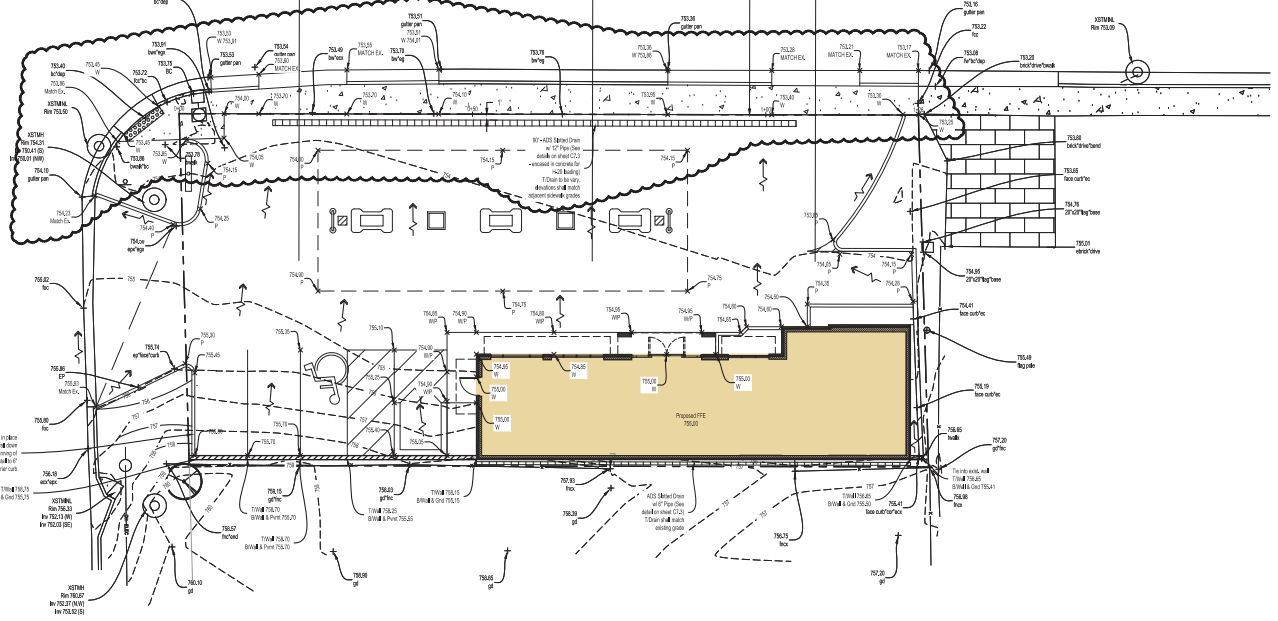
TCURB - (PMT. GRADE) + 0.42 (NORMAL PFDH CURB)  
 TCURB - (PMT. GRADE) + 0.54 (REVERSE PFDH CURB)

**GRADING NOTES**

- General contractor shall verify existing contours and notify engineer of any discrepancies.
- The general contractor shall spread spoils from utility contractors work to balance the site to the extent possible.
- Erosion control measures include but are not limited to the following: all fabric shall be placed on each sanitary structure until construction is completed. Fabric shall overlap sanitary manhole opening a minimum of one (1) foot on each side with the side grade placed on top of fabric to prevent all from entering sanitary system. All fabric around perimeter shall remain in place and be maintained until construction is completed. All site structures shall be protected with silt blankets.
- The general contractor is responsible for erosion control measures. Contractor shall install erosion control measures prior to the start of construction and maintain such measures until grading is complete, parking lot is paved and vegetation has been established. If there is no general contractor, it will then be the responsibility of the grading contractor to install and maintain erosion control measures.
- The contractor responsible for the installation of the erosion control devices shall maintain all storm water pollution devices throughout construction and until all unfurled or non-building areas have a uniform permanent vegetative cover with a density of 75 percent or greater. Maintenance includes weekly inspections or an inspection following a rainfall of 1/2 inch in a 24-hour period. The contractor must submit a copy of the inspection report to the owner and engineer at the end of each month and keep a copy of the report on the construction site until the required vegetation cover is in place.
- If additional erosion control measures not shown on these drawings are required to stop or prevent erosion or are required by any authority having jurisdiction, it shall be the general contractor's responsibility to install such devices. The owner or engineer shall be notified of the additional work and cost prior to installation.
- The general contractor shall be responsible for notifying the owner and engineer, in writing, of any additional sources of storm water pollution observed during construction and the additional costs required to prevent additional pollution.
- See soils reports for testing requirements. The final soils reports are dated as follows:  
 Geotechnical Engineering Report prepared by \_\_\_\_\_ dated \_\_\_\_\_, 20\_\_.

**IL ROUTE 64 (MAIN STREET)**

**11TH STREET**



**REVISIONS**

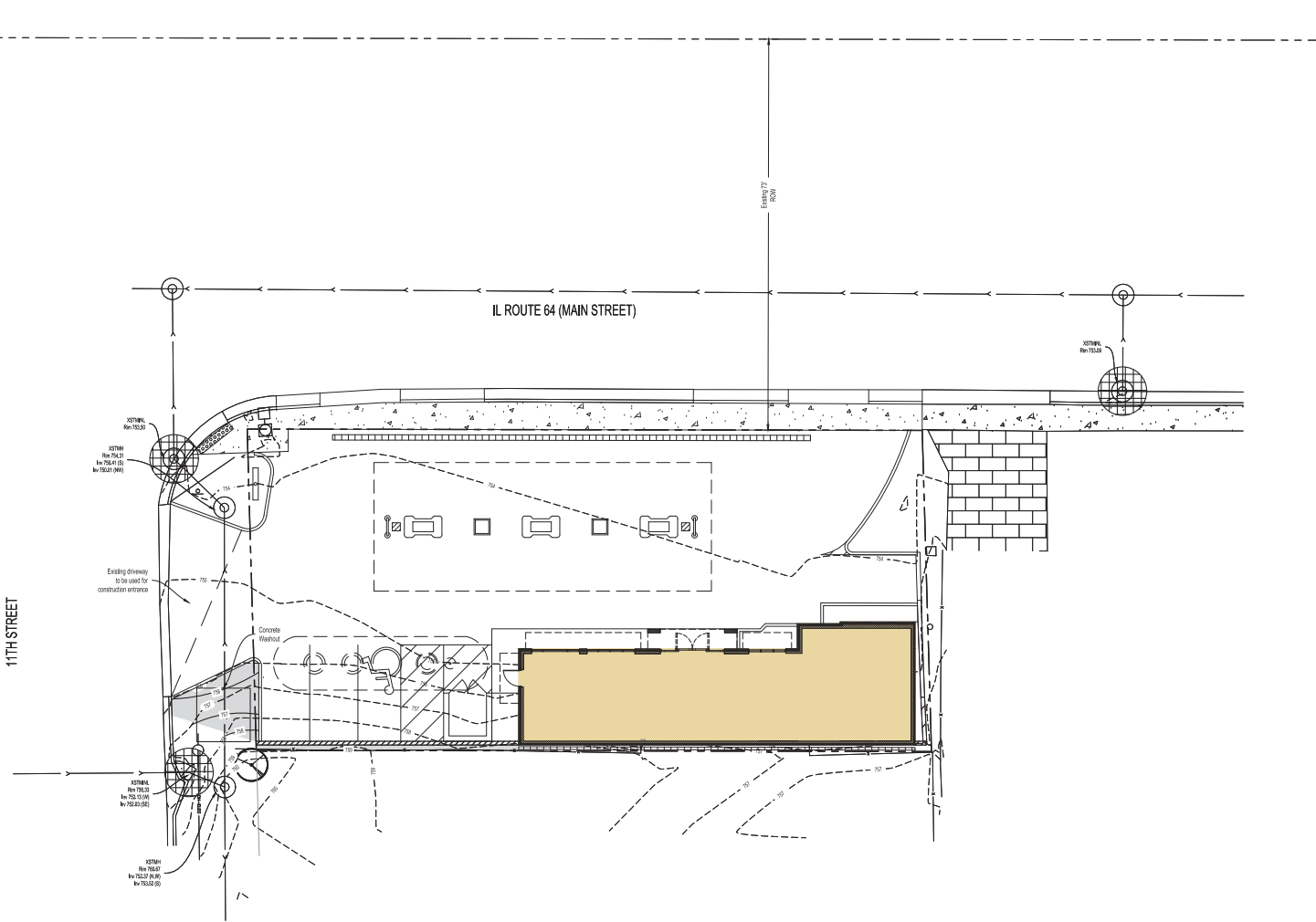
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|-----|---------|----------------------------|-----|------|-------------|
| 1   | 1/28/22 | PER DOT & VILLAGE COMMENTS |     |      |             |

**GRADING PLAN**

**GAS STATION**  
 1023 W. MAIN STREET  
 ST. CHARLES, ILLINOIS

**Craig R. Knoche & Associates** • Civil Engineers  
 Surveyors • Land Planners  
 24 24 Bennett Street • Geneva, IL 60146 • phone (630) 449-2270 • fax (630) 449-2272

|           |            |
|-----------|------------|
| DATE      | 5/6/21     |
| FILE      | 21-006 C20 |
| JOB NO.   | 21-006     |
| SHEET NO. | C2.1       |



**LEGEND**

- Manhole
- Storm Pipe
- Trench (Elev. 0.00) (Elev. Control) (Elev. 1.00) (Elev. 2.00) (Elev. 3.00) (Elev. 4.00) (Elev. 5.00) (Elev. 6.00) (Elev. 7.00) (Elev. 8.00) (Elev. 9.00) (Elev. 10.00)

**STORMWATER POLLUTION PREVENTION PLAN  
CONTRACTOR CERTIFICATION**

STATE OF ILLINOIS  
COUNTY OF KANE

I, the undersigned, being a duly licensed contractor under the laws of the State of Illinois, hereby certify that I am the contractor for the above project and that the construction of the project will be in accordance with the approved Stormwater Pollution Prevention Plan. I understand that any violation of the terms and conditions of this plan may result in the suspension or revocation of my license and may also result in the imposition of civil and criminal penalties.

CONTRACTOR SIGNATURE \_\_\_\_\_ COMPANY NAME \_\_\_\_\_  
 TITLE \_\_\_\_\_ ADDRESS \_\_\_\_\_  
 DATE \_\_\_\_\_ PHONE NUMBER \_\_\_\_\_

---

**STORMWATER POLLUTION PREVENTION PLAN  
OWNER CERTIFICATION**

STATE OF ILLINOIS  
COUNTY OF KANE

I, the undersigned, being the owner of the above project, hereby certify that I have read and understand the terms and conditions of the approved Stormwater Pollution Prevention Plan and that I agree to comply with all the terms and conditions of the plan.

OWNER SIGNATURE \_\_\_\_\_ COMPANY NAME \_\_\_\_\_  
 TITLE \_\_\_\_\_ ADDRESS \_\_\_\_\_  
 DATE \_\_\_\_\_ PHONE NUMBER \_\_\_\_\_

| REVISIONS |         |                             |
|-----------|---------|-----------------------------|
| NO.       | DATE    | DESCRIPTION                 |
| 1         | 1/28/28 | PER IDOT & VILLAGE COMMENTS |
|           |         |                             |
|           |         |                             |
|           |         |                             |

**STORMWATER POLLUTION  
PREVENTION PLAN**

**GAS STATION**  
1023 W. MAIN STREET  
ST. CHARLES, ILLINOIS

DATE: 5/6/21  
 FILE: 21-006 C20  
 JOB NO: 21-006

**Craig R. Knoche & Associates** • Civil Engineers  
**Civil Engineers, P.C.** • Surveyors  
 • Land Planners

24 N. Bennett Street • Geneva, IL 60134 • phone (815) 842-2222 • fax (815) 842-2222

DATE: 5/6/21  
 FILE: 21-006 C20  
 JOB NO: 21-006  
**C2.2**  
 SHEET NO.

ST. CHARLES, ILLINOIS

## EROSION CONTROL NOTES

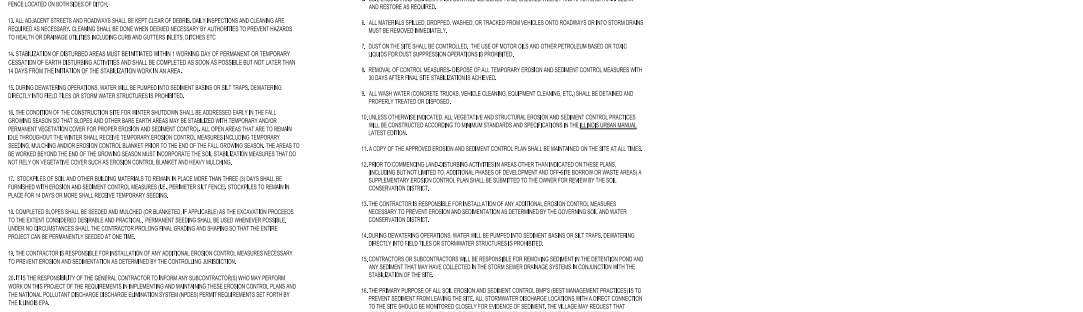
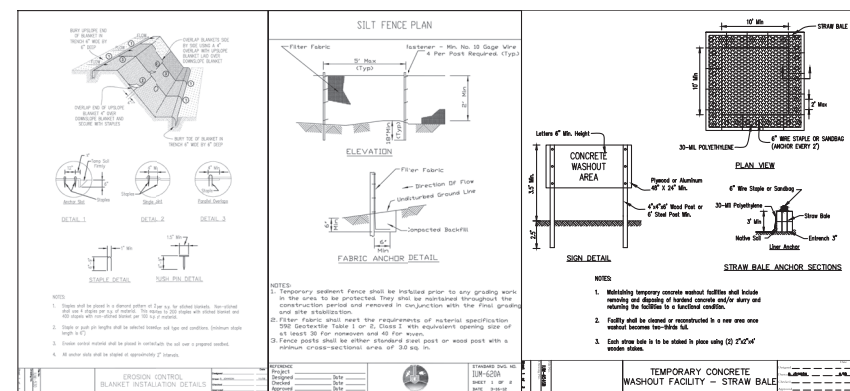
1. EROSION PREVENTION, ALL VEGETATIVE AND STRUCTURAL EROSION PREVENTION CONTROL MEASURES SHALL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS MANUAL REEDED EROSION PREVENTION PLAN.
2. THE COUNTY ENGINEER SHALL BE NOTIFIED AT LEAST ONE WEEK PRIOR TO THE PRECONSTRUCTION MEETING. THE COMMENCEMENT OF WORK SHALL BE IN ACCORDANCE WITH THE ILLINOIS MANUAL REEDED EROSION PREVENTION PLAN.
3. A COPY OF THE APPROVED STORM WATER POLLUTION PREVENTION PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
4. PRIOR TO COMMENCING ANY EROSION PREVENTION ACTIVITIES, OTHER THAN PLACING OR OTHER PLANS INCLUDING BUT NOT LIMITED TO, EXCAVATION, GRADING AND OTHER EROSION OR WHITE AREAS, A SUPPLEMENTARY STORM WATER POLLUTION PREVENTION PLAN SHALL BE SUBMITTED BY THE OWNER TO THE COUNTY ENGINEER FOR COUNTY ENGINEER APPROVAL.
5. EROSION CONTROL MEASURES SHALL NOT BE LIMITED TO THE FOLLOWING: (1) SLOPE PROTECT MATS SHALL BE PLACED AND MAINTAINED IN PLACE AS SOON AS POSSIBLE AFTER THE CONSTRUCTION OF THE STRUCTURE. (2) EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETED. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL STORAGE OF APPROVED BULK AND MATS.
6. THE CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL MEASURES. CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES PRIOR TO THE START OF LAND DISTURBING ACTIVITIES AND MAINTAIN SUCH MEASURES UNTIL VEGETATION ESTABLISHES PER ITS CONTRACT AND DRAWING NOTES.
7. THE CONTRACTOR RESPONSIBLE FOR THE INSTALLATION OF EROSION CONTROL MEASURES SHALL MAINTAIN ALL STORM INTERCEPTION DEVICES THROUGHOUT CONSTRUCTION AND UNTIL ALL IMPROVED OR HOLDING AREAS HAVE A MINIMUM OF 30% VEGETATION COVER. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES THROUGHOUT CONSTRUCTION AND UNTIL ALL IMPROVED OR HOLDING AREAS HAVE A MINIMUM OF 30% VEGETATION COVER. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES THROUGHOUT CONSTRUCTION AND UNTIL ALL IMPROVED OR HOLDING AREAS HAVE A MINIMUM OF 30% VEGETATION COVER. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES THROUGHOUT CONSTRUCTION AND UNTIL ALL IMPROVED OR HOLDING AREAS HAVE A MINIMUM OF 30% VEGETATION COVER.

## SOIL STABILIZATION NOTES

1. TYPICAL AND SPECIAL COVER TOPSOIL AND EROSION PREVENTION, STOCKPILE COVER FOR EXPOSED SOILS SHOULD BE INSTALLED.
2. PREVENT SEDIMENTATION IMMEDIATELY FOLLOWING FINAL GRADING AND TOPSOIL PLACEMENT. FINAL SEEDING OR SOIL IS REQUIRED TO BE INSTALLED.
3. MAINTAIN SEDIMENTATION THE APPROPRIATE AS SOON AS THE CONSTRUCTION SEQUENCE TO PREVENT REQUIRED STABILIZATION.
4. SOIL PROTECTION PREVENT SEDIMENTATION ON SLOPES GREATER THAN 15% AND ON EXPOSED BLANKET, CROSSLAND, EROSION BLANKET SHALL BE MAINTAINED UNTIL VEGETATION ESTABLISHES PER ITS CONTRACT AND DRAWING NOTES.
5. CHAINS OF EROSION MATS, TOPSOIL AND BARRIERS SHOULD BE MAINTAINED UNTIL VEGETATION HAS PROTECTED FROM EROSION AND BARRIERS THROUGHOUT CONSTRUCTION. TOPSOIL AND BARRIERS SHOULD BE MAINTAINED UNTIL VEGETATION HAS PROTECTED FROM EROSION AND BARRIERS THROUGHOUT CONSTRUCTION.
6. SLOPES SHALL BE LEFT IN A PROTECTED CONDITION DURING THE GRADING PHASE TO PREVENT VEGETATION AND EROSION.
7. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EROSION AND SEDIMENT CONTROL MEASURES (EROSION MATS, ETC.) TO PREVENT EROSION AND POLLUTANT DISCHARGE.

## SEDIMENT CONTROL NOTES

1. ADJACENT PROPERTY - PROTECT ADJACENT PROPERTY FROM SEDIMENT DISPERSION BY PRESSURING A SUITABLE BUFFER ZONE OF SEDIMENT BARRIERS OR FILTERS AT THE LOWER PERIMETER OF THE LOT.
2. SEDIMENTATION CONTROL SHALL BE PROVIDED FOR ALL AREAS BEHIND THE EROSION MATS.
3. STORM DRAINAGE PROTECTION - FULL COVER OF APPROVED EQUAL BUILT MATS SHALL BE PLACED ALONG WITHIN EACH TRENCH SHALL BE INSTALLED AND MAINTAINED.
4. PROTECTION SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AND UNTIL VEGETATION HAS PROTECTED FROM EROSION AND BARRIERS THROUGHOUT CONSTRUCTION AND UNTIL ALL IMPROVED OR HOLDING AREAS HAVE A MINIMUM OF 30% VEGETATION COVER.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF EROSION CONTROL MEASURES AND MAINTAIN SUCH MEASURES UNTIL VEGETATION ESTABLISHES PER ITS CONTRACT AND DRAWING NOTES.
6. EROSION PREVENTION, ALL VEGETATIVE AND STRUCTURAL EROSION PREVENTION CONTROL MEASURES SHALL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS MANUAL REEDED EROSION PREVENTION PLAN.



**GENERAL NOTES**

FRANKLIN Flange Fabricated from 36"x36"x24" angle base rim fabricated from 18"x18" channel. Handles and suspension brackets fabricated from 18"x18" flat bars. All steel conforming to ASTM A36.

SEDIMENT BAG Fabricated from 4.5 mil polypropylene geotextile reinforced with polyester mesh. Bag secured to base rim with a stainless steel band and lock.

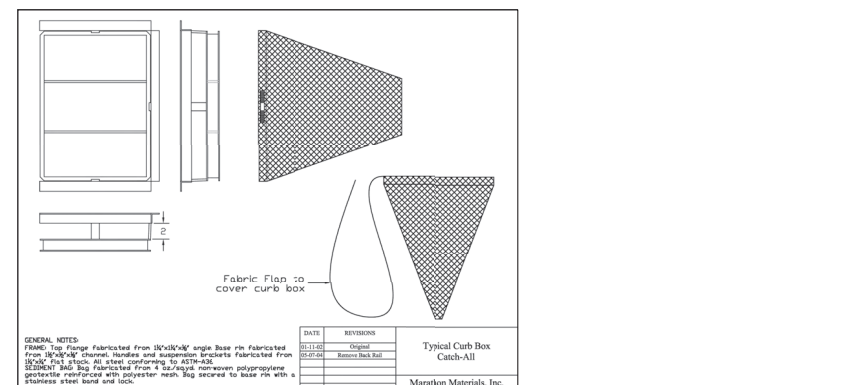
| DATE     | REVISIONS | Typical Baffle Catch-All |
|----------|-----------|--------------------------|
| 02/23/24 | Original  | Marathon Materials, Inc. |

## SCHEDULE

- 1.0 EROSION PREVENTION INSTALL EROSION CONTROL STRIP ANY DISTURBANCE
- 2.0 SEDIMENT TOP SOIL STRIP ANY DISTURBANCE
- 3.0 SEDIMENT FENCE BARRIERS UNDERSTORM TRENCHES AND BUILT PROTECTORS
- 4.0 SEDIMENT SANITARY WATER GAS ELECTRIC AND TELEPHONE UTILITIES
- 5.0 SEDIMENT PREPARE AND FILL GRADE LIFE
- 6.0 SEDIMENT FENCE AND STORE BASE FOR PAVING
- 7.0 SEDIMENT CONCRETE AND ASPHALT PAVING
- 8.0 SEDIMENT INITIAL LANDSCAPING AND REMOVE TEMPORARY EROSION CONTROL MEASURES

| EROSION CONTROL MEASURE | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
|-------------------------|-----|-----|-----|-----|-----|------|------|-----|------|-----|-----|-----|
| PERMANENT PROTECTION    |     |     |     |     |     |      |      |     |      |     |     |     |
| TEMPORARY PROTECTION    |     |     |     |     |     |      |      |     |      |     |     |     |
| REMOVING PROTECTION     |     |     |     |     |     |      |      |     |      |     |     |     |
| REMOVING PROTECTION     |     |     |     |     |     |      |      |     |      |     |     |     |

**SOIL PROTECTION CHART**



| REVISIONS |      |             |     |      |             |
|-----------|------|-------------|-----|------|-------------|
| NO.       | DATE | DESCRIPTION | NO. | DATE | DESCRIPTION |
|           |      |             |     |      |             |
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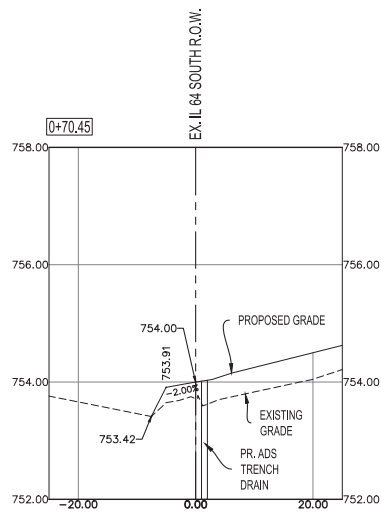
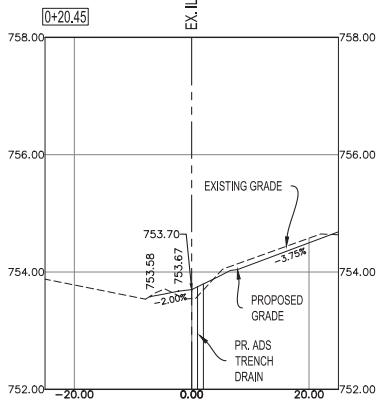
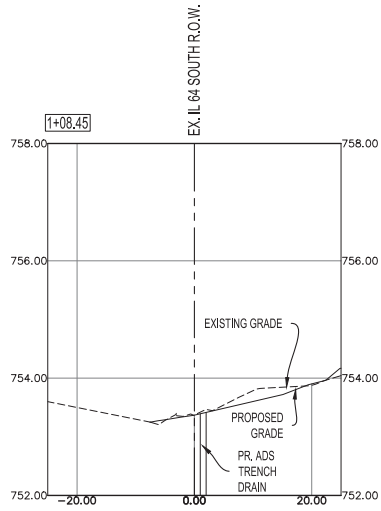
**SWPPP DETAILS**

**GAS STATION**  
1023 W. MAIN STREET  
ST. CHARLES, ILLINOIS

24 NC Barnett Street • Geneva, IL 60146 • phone (815) 462-2270 • fax (815) 462-2273

**Craig Z. Knoche & Associates** • Civil Engineers • Surveyors  
**Civil Engineers, P.C.** • Land Surveyors

DATE: 5/6/21  
FILES: 21-006 C20  
JOB NO: 21-006  
SHEET NO: C2.3



REVISIONS

| NO. | DATE | DESCRIPTION | NO. | DATE | DESCRIPTION |
|-----|------|-------------|-----|------|-------------|
|     |      |             |     |      |             |
|     |      |             |     |      |             |
|     |      |             |     |      |             |

IL ROUTE 64  
CROSS SECTIONS

GAS STATION  
1023 W. MAIN STREET  
ST. CHARLES, ILLINOIS

VERTICAL SCALE = 1"=1'  
HORIZONTAL SCALE = 1"=10'

**Craig R. Knoche & Associates**  
Civil Engineers, P.C.  
24 N. Bennett Street • Geneva, IL 60134 • phone (630) 469-2270 • fax (630) 469-2272

• Civil Engineers  
• Surveyors  
• Land Planners

DATE: 1/26/22  
FILE: 21-006 C20  
JOB NO: 21-006

SHEET NO. C2.4





**1 TYPICAL SIDEWALK SECTION**  
C7.2 NOT TO SCALE  
FILE:PV-SIDEWALKING

**2 TYP. ACCESSIBLE PAVMT. SIGN**  
C7.2 NOT TO SCALE  
FILE:PV-AC PAVEMENT SIGNING

**ILLINOIS STANDARD**

**3 DETAIL - ACCESSIBLE PARKING SIGN**  
C7.2 NOT TO SCALE  
FILE:PV-AC SIGN

**4 BOLLARD**  
C7.2 NOT TO SCALE  
FILE:PV-BOLLARDING

**CURB NOTES:**

- EXPANSION JOINTS AT ENDS OF RETURNS AND 60' INTERVALS WITH 2" DOUBLE
- EXPANSION JOINTS AROUND STRUCTURES IN CURB
- CONTRACTION JOINTS AT 20' INTERVALS
- COST OF JOINTS TO BE INCL. IN BID PRICE FOR CURBS.

**5 DETAIL - BARRIER CURB**  
C7.2 NOT TO SCALE  
FILE:PV-CURB BARRIERS

**6 CONCRETE PAVEMENT**  
C7.2 NOT TO SCALE  
FILE:PV-CONCRETPAVING

**7 TYPICAL CONCRETE PAD SECTION**  
C7.2 NOT TO SCALE  
FILE:PV-CONCRETPAVING

**DETAIL - DOWNSPOUT CONNECTION**

**8 DETAIL - DOWNSPOUT CONNECTION**  
C7.2 NOT TO SCALE  
FILE:PV-CONCRETPAVING

**WATER AND SEWER SEPARATION REQUIREMENTS DETAIL**

**9 WATER AND SEWER SEPARATION**  
C7.2 NOT TO SCALE  
FILE:PV-SEWER TRENCHING

**PVC PIPE TRENCH DETAIL**

**PVC PIPE TRENCH DETAIL**  
DATE: 3-26-11

**RCP & DIP TRENCH DETAIL**

**RCP & DIP TRENCH DETAIL**  
DATE: 3-26-11

**THRUST BLOCK INSTALLATION DETAILS**

**THRUST BLOCK INSTALLATION DETAILS**  
DATE: 3-23-11

**CASING PIPE DETAIL**  
DATE: 11-14-10

**ADS SLOTTED DRAIN**

**ADS SLOTTED DRAIN**

**2.5" Slot shown with 1/2" #16 Galvanized Grating**

| Pipe Diameter, (in mm) | 4 (100)    | 6 (150)   | 8 (200)     | 10 (250)    | 12 (300)  | 15 (375)  | 18 (450)    | 24 (600)    | 30 (750)    | 36 (900)    |
|------------------------|------------|-----------|-------------|-------------|-----------|-----------|-------------|-------------|-------------|-------------|
| H (6" (150 mm) Slot)   | 6.25 (160) | 6.5 (165) | 6.5 (165)   | 6.5 (165)   | 7.0 (175) | 7.0 (175) | 7.25 (185)  | 8.25 (210)  | 8.25 (210)  | 8.25 (210)  |
| W (Corrugation Height) | 0.34 (8.6) | 0.46 (12) | 0.61 (15.5) | 0.73 (18.5) | 1.15 (30) | 1.30 (33) | 1.67 (43)   | 1.86 (47)   | 2.65 (65)   | 2.85 (72)   |
| P (Frame Length)       | 0.5 (12.5) | 0.75 (19) | 0.75 (19)   | 0.75 (19)   | 0.75 (19) | 0.75 (19) | 1.25 (31.5) | 1.25 (31.5) | 1.25 (31.5) | 1.25 (31.5) |
| D (Opening Width)      | 1.25 (32)  | 1.75 (45) | 1.75 (45)   | 1.75 (45)   | 1.75 (45) | 1.75 (45) | 1.75 (45)   | 1.75 (45)   | 1.75 (45)   | 1.75 (45)   |
| S (Slot Width)         | 1.75 (45)  | 2.25 (57) | 2.25 (57)   | 2.25 (57)   | 2.25 (57) | 2.25 (57) | 2.25 (57)   | 2.25 (57)   | 2.25 (57)   | 2.25 (57)   |
| O (Open Grate Length)  | 1.18 (30)  | 1.18 (30) | 1.18 (30)   | 1.18 (30)   | 1.18 (30) | 1.18 (30) | 1.18 (30)   | 1.18 (30)   | 1.18 (30)   | 1.18 (30)   |
| E (Pipe End Length)    | 1.1 (28)   | 1.2 (30)  | 1.2 (30)    | 1.2 (30)    | 1.2 (30)  | 1.2 (30)  | 1.2 (30)    | 1.2 (30)    | 1.2 (30)    | 1.2 (30)    |

\* Expect longer production time for these non-inventoried products.

**INSTALLATION NOTES**

- Excavate trench to correspond with the traffic application for which the drain pipe is being installed (see application).
- Determine depth of base material (B) to be placed in bottom of trench. The depth of base material (B) shall be between 1/2" and 1" above the top of the drain pipe.
- Place the drain pipe in the trench and compact the base material (B) around the pipe.
- Place the cover on the drain pipe and compact the base material (B) around the cover.

**CONTECH C-4-C DESIGN NOTES**

**CONSTRUCTION DESCRIPTION**

**FRAME AND COVER**

**CONTECH**

**CDD016-C-4-C**  
STAIN-RESISTANT  
STANDARD DETAIL

**REVISIONS**

| NO. | DATE    | DESCRIPTION              | NO. | DATE | DESCRIPTION |
|-----|---------|--------------------------|-----|------|-------------|
| 1   | 1/30/12 | PER IDOT & CITY COMMENTS |     |      |             |

**SITE & UTILITY DETAILS**

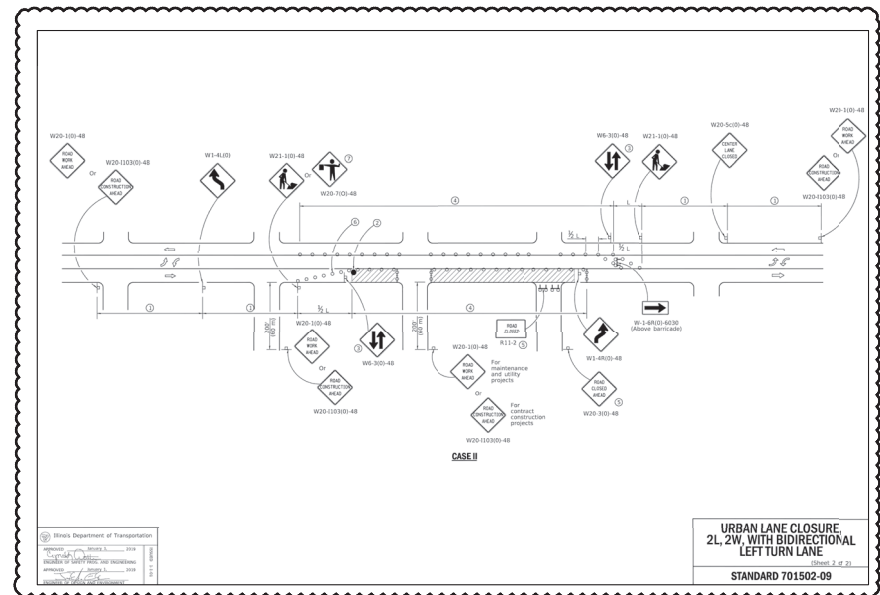
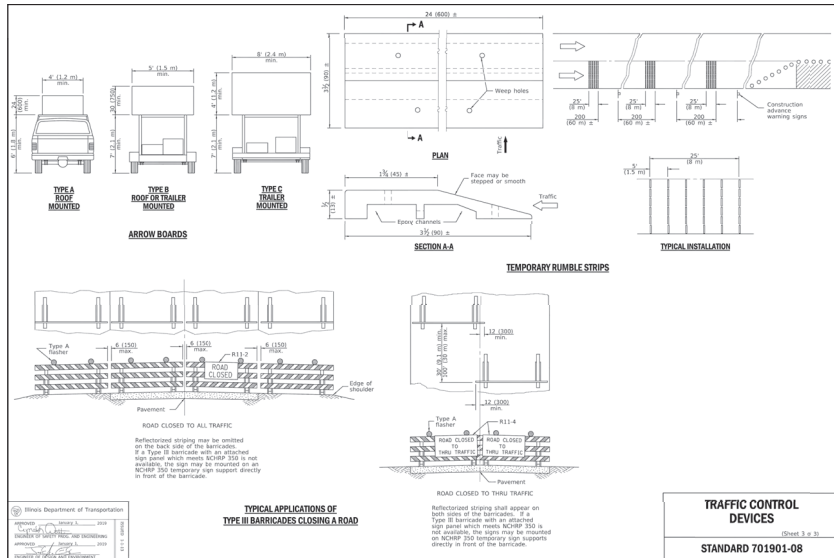
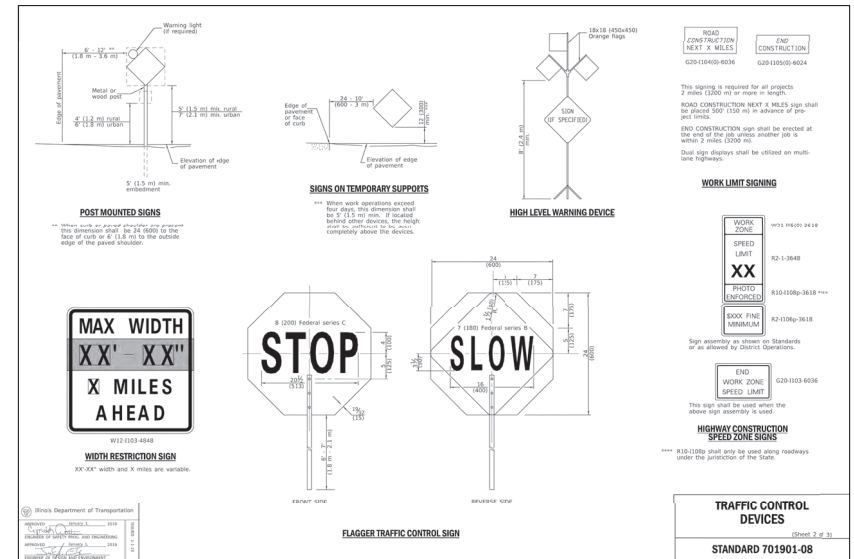
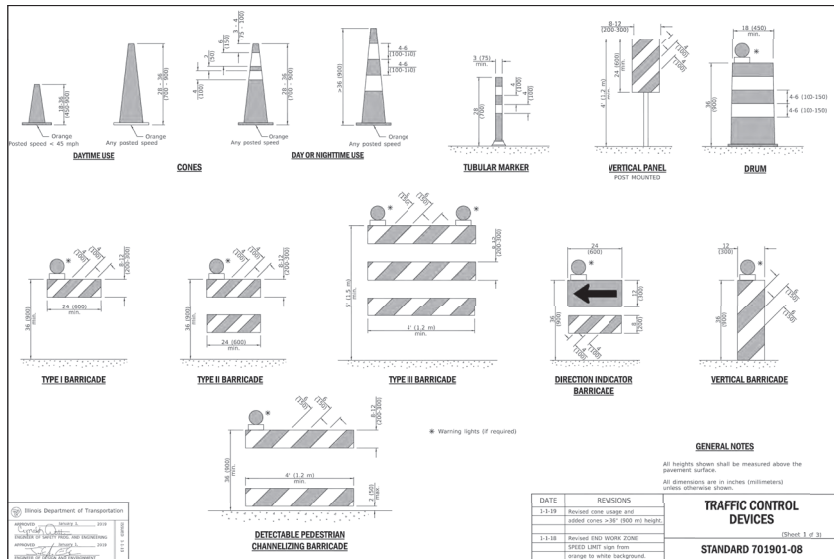
**GAS STATION**  
1023 W. MAIN STREET  
ST. CHARLES, ILLINOIS

**Craig E. Knoche & Associates** • Civil Engineers  
• Surveyors  
• Land Planners

2424 S. Barnett Street • Geneva, IL 60134 • phone (815) 449-2270 • fax (815) 449-2272

DATE: 5/6/21  
FILE: 21-006 C70  
JOB NO: 21-006  
SHEET NO: C7.2

ST. CHARLES, ILLINOIS



**REVISIONS**

| NO. | DATE    | DESCRIPTION                 |
|-----|---------|-----------------------------|
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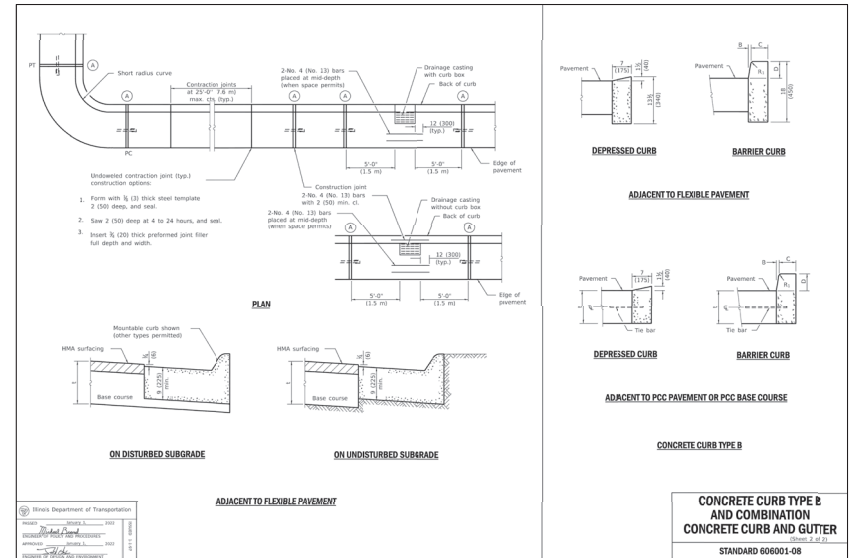
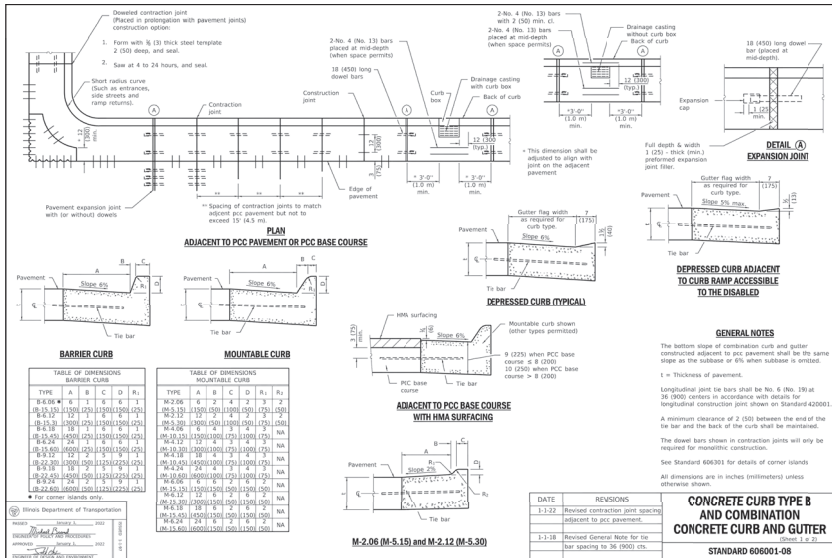
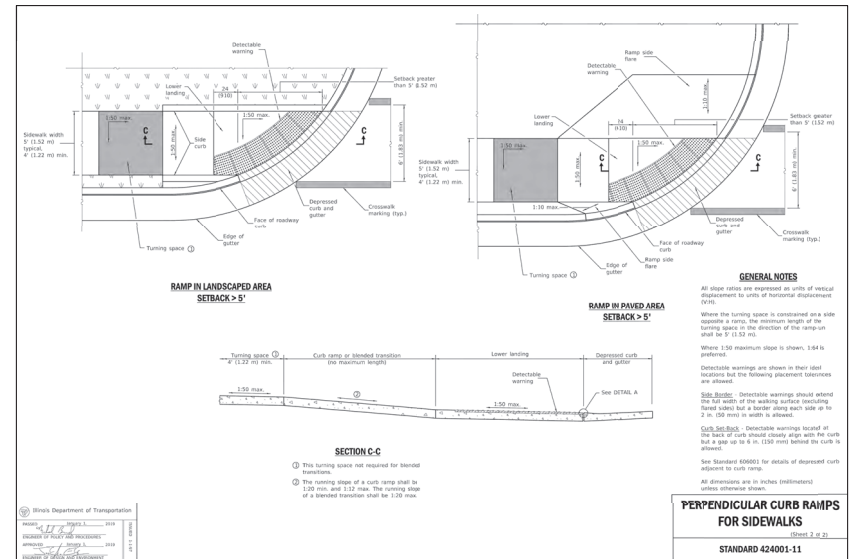
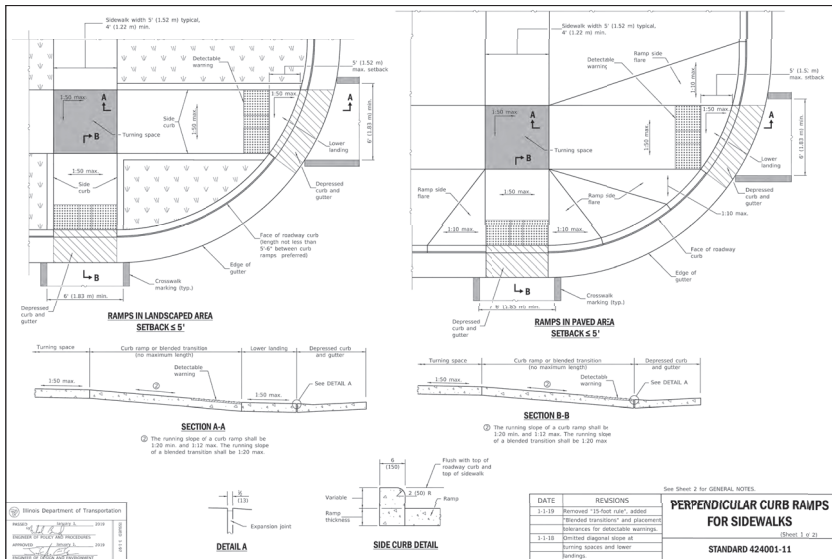
**IDOT DETAILS**

**GAS STATION**  
 1023 W. MAIN STREET  
 ST. CHARLES, ILLINOIS

**Craig R. Knoche & Associates**  
 Engineers  
 Land Owners

**DATE:** 5/6/21  
**FILE:** 21-006 C70  
**JOB NO.:** 21-006  
**SHEET NO.:** C7.3

ST. CHARLES, ILLINOIS



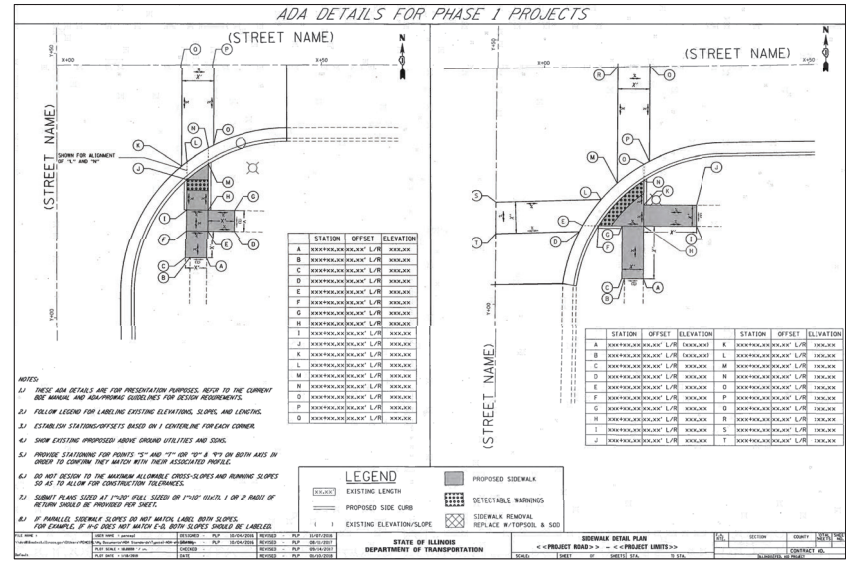
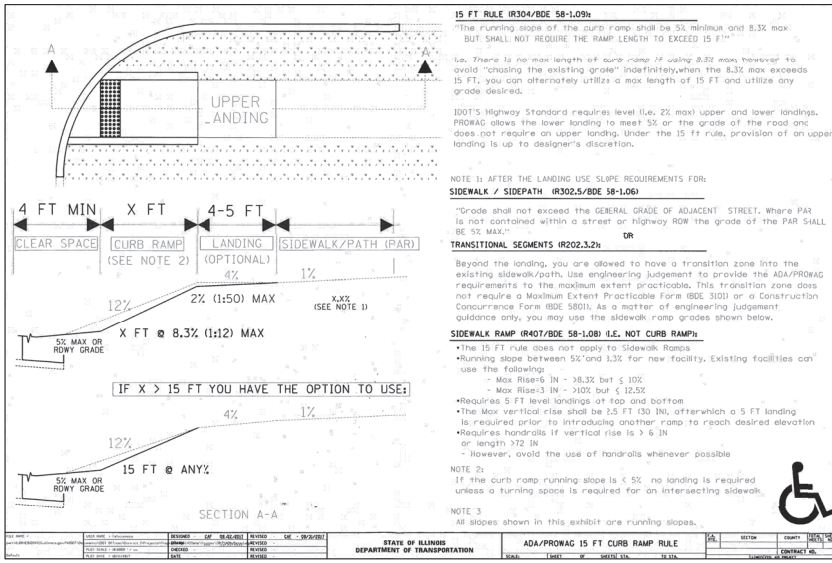
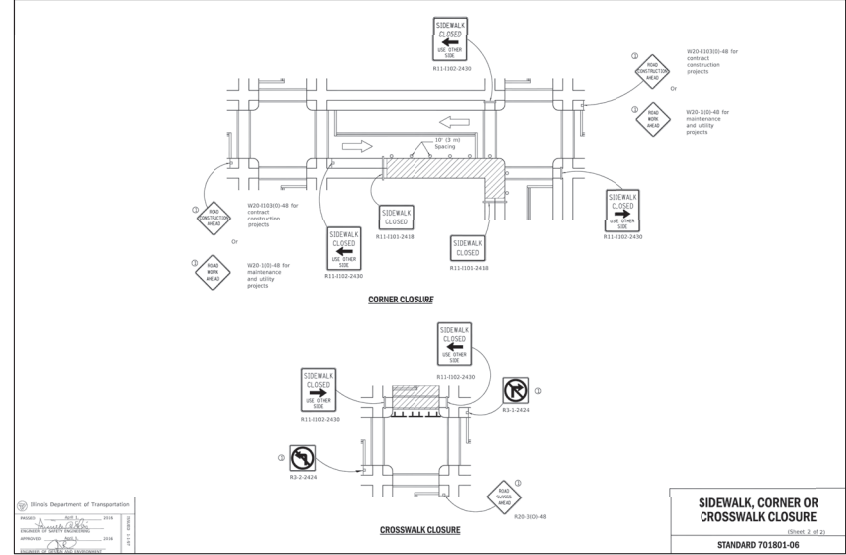
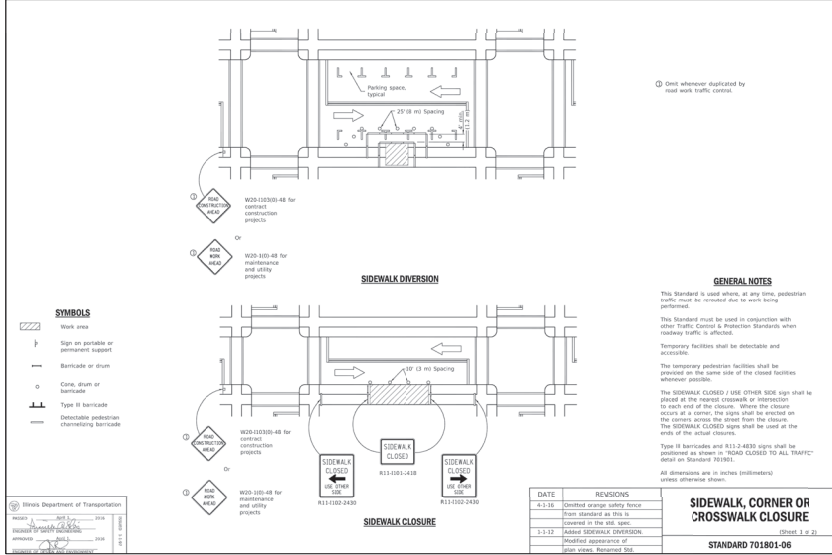
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|           |      |             |     |      |             |

**IDOT DETAILS**

**GAS STATION**  
1023 W. MAIN STREET  
ST. CHARLES, ILLINOIS

**Craig R. Knoche & Associates**  
Civil Engineers, P.C.

DATE: 1/26/22  
FILES: 21-006 C70  
JOB NO: 21-006  
SHEET NO: C7.4



**REVISIONS**

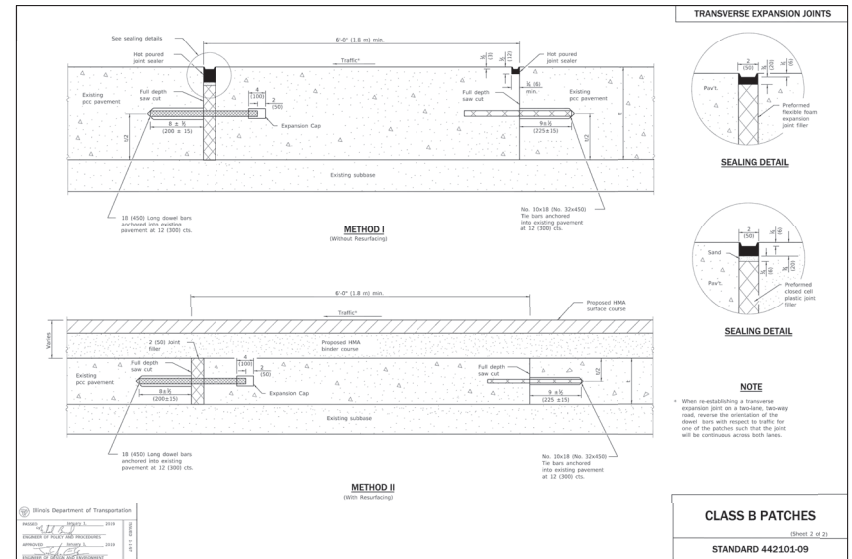
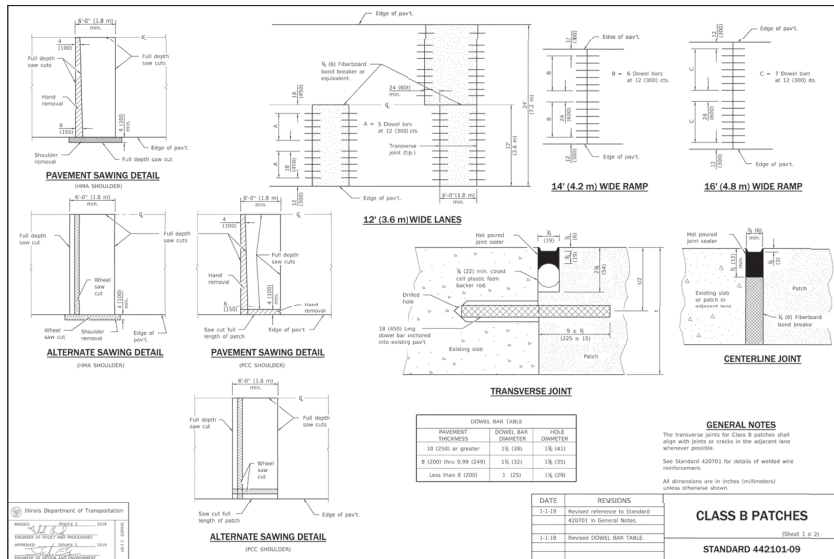
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**IDOT DETAILS**

**GAS STATION**  
1023 W. MAIN STREET  
ST. CHARLES, ILLINOIS

**Craig R. Knoche & Associates**  
Civil Engineers, P.C.  
24 N. Barnett Street • Geneva, IL 60146 • Phone (630) 449-9770 • Fax (630) 449-9779

**DATE:** 1/26/22  
**FILES:** 21-006 070  
**JOB NO.:** 21-006  
**SHEET NO.:** C7.5



| REVISIONS |      |             |     |
|-----------|------|-------------|-----|
| NO.       | DATE | DESCRIPTION | NO. |
|           |      |             |     |
|           |      |             |     |
|           |      |             |     |

**IDOT**  
**DETAILS**

**GAS STATION**  
1023 W. MAIN STREET  
ST. CHARLES, ILLINOIS

**Craig R. Knoche & Associates**  
Civil Engineers, P.C.  
24 N. Barnett Street • Geneva, IL 60134 • phone (815) 449-1270 • fax (815) 449-1272

DATE: 1/26/22  
FILES: 21-006 C70  
JOB NO: 21-006  
SHEET NO.

**C7.6**



| # | DATE       | INT | DESCRIPTION               |
|---|------------|-----|---------------------------|
| 1 | 10.03.2022 | WRT | REVISED PER CITY COMMENTS |
| 2 | 04.08.2022 | WRT | REVISED PER CITY COMMENTS |
|   |            |     |                           |
|   |            |     |                           |
|   |            |     |                           |

**PROPOSED  
PHOTOMETRIC  
PLAN**

PROJECT # **KE0513211**

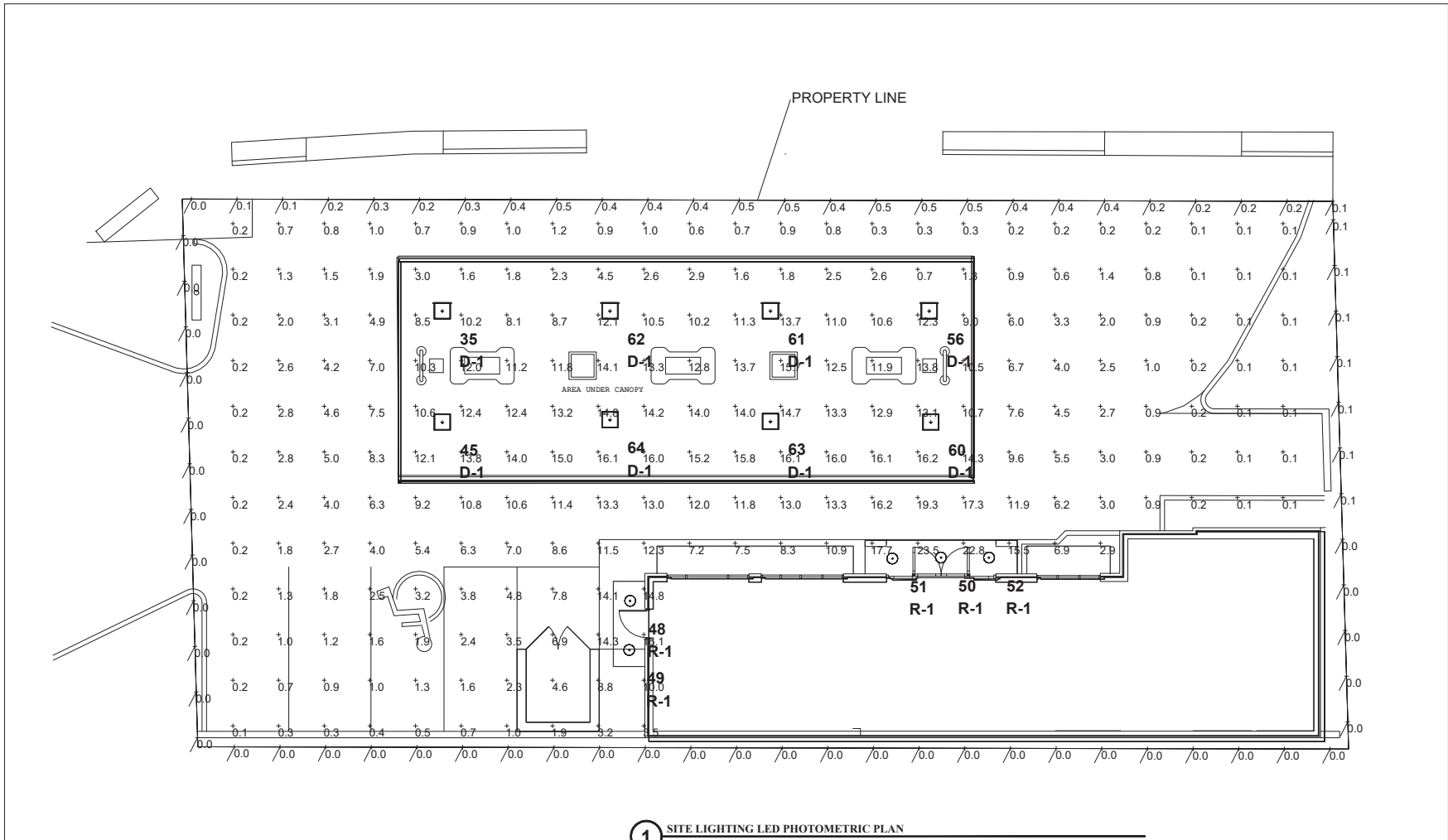
DATE DATE **05.14.2021**

REVISION **NA**

DESIGNER **W.TOKKESDAL**

DATE **C.D.HEANER**

SHEET **SL2.0** REV # **2**



**1 SITE LIGHTING LED PHOTOMETRIC PLAN**  
SCALE: 3/16" = 1'-0"

| Calculation Summary |             |       |       |      |     |               |
|---------------------|-------------|-------|-------|------|-----|---------------|
| Label               | CalcType    | Units | Avg   | Max  | Min | Avg/Min # Pts |
| ALL CALC PNTS       | Illuminance | Fc    | 6.02  | 23.5 | 0.1 | 60.20 228     |
| Property Line       | Illuminance | Fc    | 0.12  | 0.5  | 0.0 | N.A. 75       |
| AREA UNDER CANOPY   | Illuminance | Fc    | 10.71 | 16.2 | 0.7 | 15.30 65      |

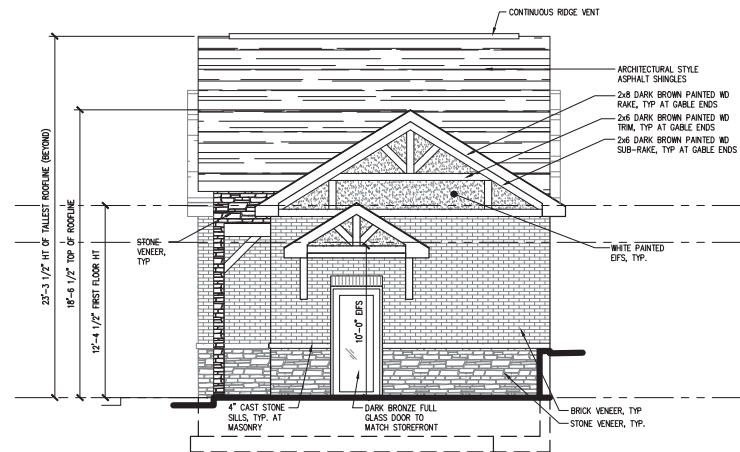
- NOTES:**
- 1) CALCULATION POINTS ON PROPERTY LINE ARE MODELED AT 3.5' ABOVE GRADE
  - 2) CALCULATION POINTS INSIDE PROPERTY LINE MODELED AT GRADE LEVEL
  - 3) LIGHT FIXTURES MODELED UNDER CANOPY REQUIRE A CUSTOM MADE HOUSE SIDE SHIELD TO MEET LIGHT SPILL CODE REQUIREMENT OF 0.5FC OR LESS AT PROPERTY LINE



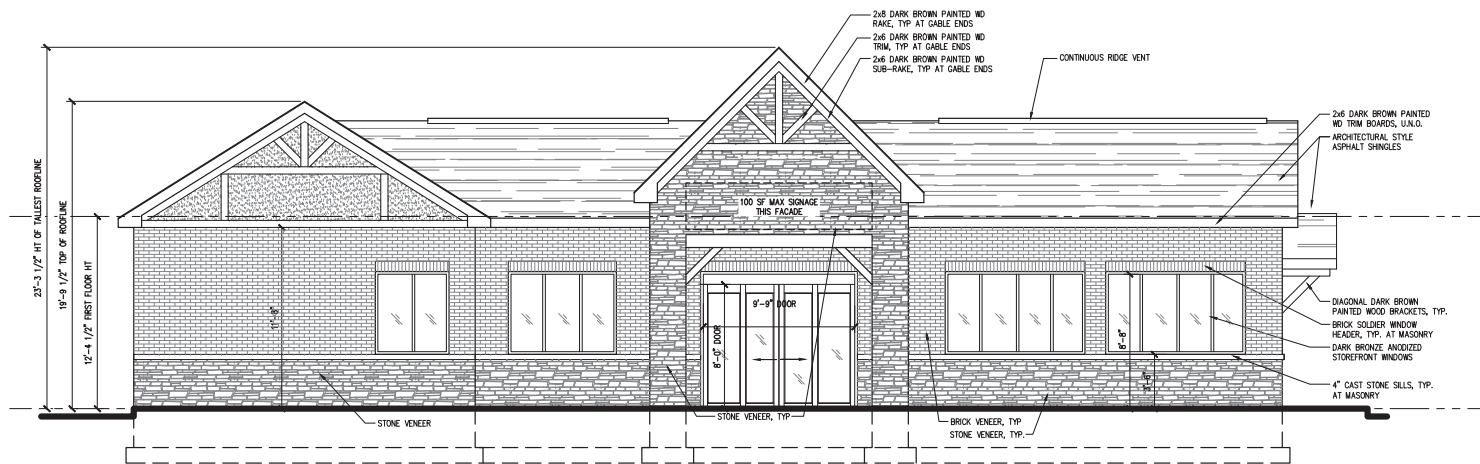
| Luminaire Schedule |     |       |             |      |   |   |
|--------------------|-----|-------|-------------|------|---|---|
| Symbol             | Qty | Label | Arrangement | LLF  | Description   |   |
| ☐                  | 8   | D-1   | SINGLE      | 0.90 | Canopy LED Canopy Fixture LSI CRUS-AC-SLW-40-HS- Field Install Custom Side Shield on Roadway side of each Fixture | Lum. Watts Lum. Lumens BUG Rating<br>38 5009 B1-U0-G1 |
| ○                  | 5   | R-1   | SINGLE      | 0.90 | Recessed Downlight - Supplied by Others   | 21.5 2061 B1-U1-G0                                    |

BASED ON THE INFORMATION PROVIDED, ALL DIMENSIONS AND LUMINAIRE COORDINATE SHOWN REPRESENT RECOMMENDED POSITIONS. THE ENGINEER AND/OR ARCHITECT IS NOT TO BE HELD RESPONSIBLE FOR THE ACCURACY OF THE DIMENSIONS OR POSITIONS SHOWN.  
THE LIGHTING PATTERNS REPRESENTATIVE ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER THE CONTROLLED CONDITIONS OF TESTING. CURRENT INDUSTRY CONVENTIONS APPLY WITH REGARD TO ILLUMINATING FIXTURES. DIMENSIONS SHOWN ARE NOT TO BE CONSIDERED AS A GUARANTEE OF ANY KIND. DIMENSIONS SHOWN ARE NOT TO BE CONSIDERED AS A GUARANTEE OF ANY KIND. DIMENSIONS SHOWN ARE NOT TO BE CONSIDERED AS A GUARANTEE OF ANY KIND.  
FOR ADDITIONAL LIGHTING INFORMATION CONTACT:  
**On-Site Lighting & Survey, LLC**  
PH: 763.684.1548






2 RIGHT SIDE ELEVATION  
SCALE: 1/8" = 1'-0"



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

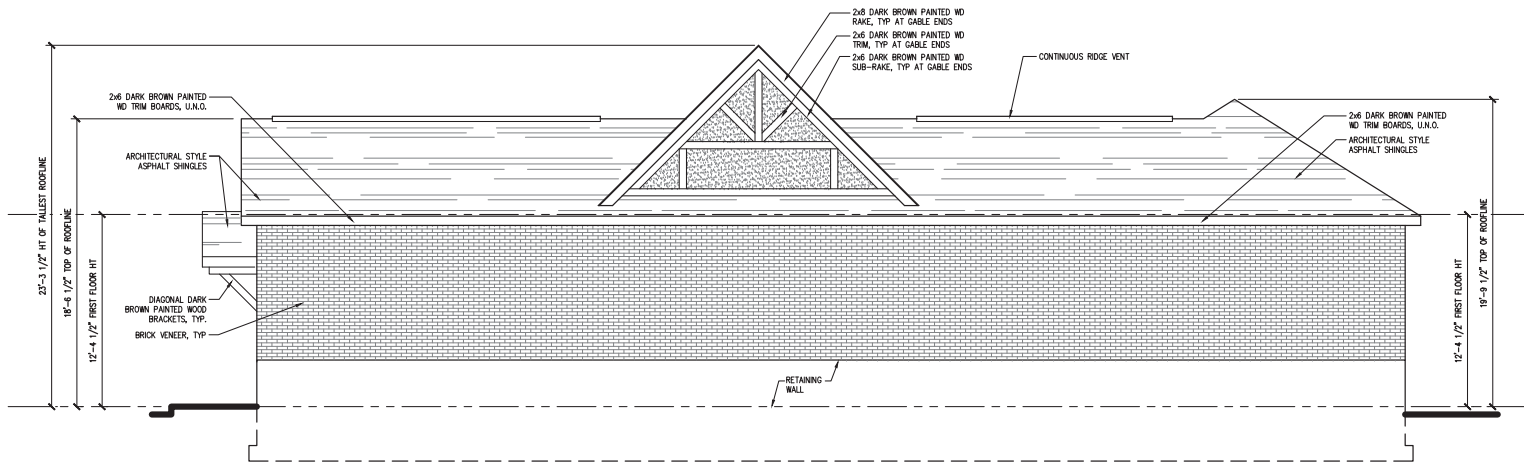

 24 N BENNETT ST.  
 GENEVA, IL 60134  
 PHONE 630 608 0500  
 FAX 630 839 8875  
 PROFESSIONAL DESIGN FIRM  
 NO. 184 005766

Preliminary Site Plan  
**Gas Station**  
 1023 W. Main Street  
 St. Charles, IL 60174

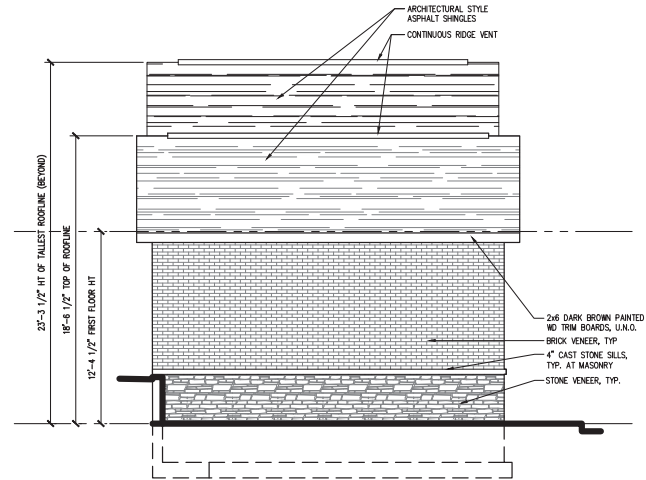
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| REVISIONS | DRAWN BY: SBD/ERC |
|           | DATE: 05-14-2021  |
|           | REV 1: 11-02-2021 |
|           | REV 2: 01-26-2022 |
|           | REV 3:            |
|           | REV 4:            |

Exterior Elevs  
 SHEET  
 A-3

IF PRINTED TO SCALE, BOTH THESE BARS WILL MEASURE 1" [1][2][3][4][5][6][7][8][9][10]



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



2 LEFT SIDE ELEVATION  
SCALE: 1/8" = 1'-0"

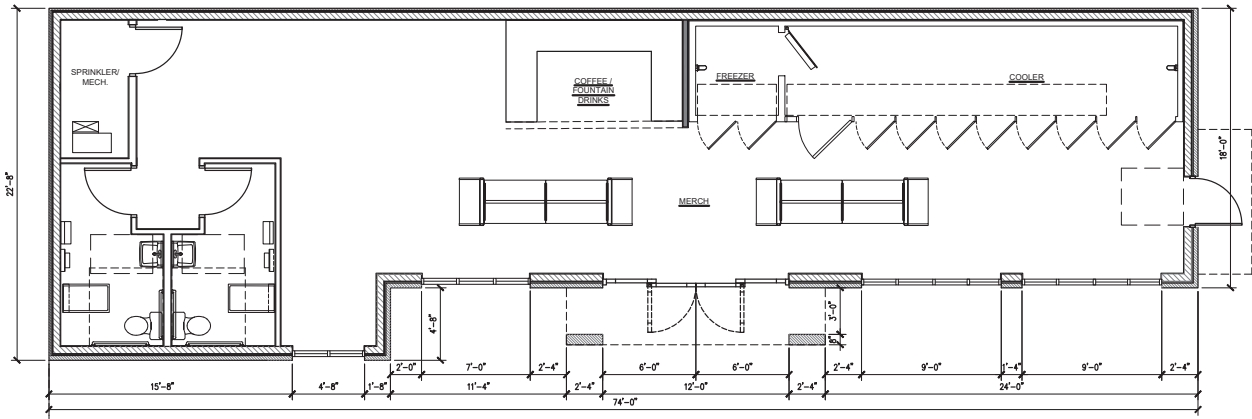
Preliminary Site Plan  
**Gas Station**  
1023 W. Main Street  
St. Charles, IL 60174

| REVISIONS         | DRAWN BY: SBD/ERC |
|-------------------|-------------------|
| DATE: 05-14-2021  |                   |
| REV 1: 11-02-2021 |                   |
| REV 2: 01-26-2022 |                   |
| REV 3:            |                   |
| REV 4:            |                   |


Exterior Elevs  
SHEET  
A-4

24 N. BENNETT ST.  
GENEVA, IL 60134  
PHONE 630 608 0500  
FAX 630 839 8875  
PROFESSIONAL DESIGN FIRM  
NO. 184 005766





1 FIRST LEVEL PLAN  
 SCALE: 1/8" = 1'-0"  
 GAS STATION


 24 N. BENNETT ST.  
 GENEVA, IL 60134  
 PHONE 630 608 0500  
 FAX 630 839 8875  
 PROFESSIONAL DESIGN FIRM  
 NO. 184 005766

Preliminary Site Plan  
**Gas Station**  
 1023 W. Main Street  
 St. Charles, IL 60174

| REVISIONS         | DRAWN BY: SBD/ERC |
|-------------------|-------------------|
| DATE: 05-14-2021  |                   |
| REV 1: 11-02-2021 |                   |
| REV 2: 01-26-2022 |                   |
| REV 3:            |                   |
| REV 4:            |                   |

IF PRINTED TO SCALE, BOTH THESE BARS WILL MEASURE 1" 1 2 3 4 5 6 7 8 9 10



1 REVISÉD RENDERED ELEVATION  
SCALE: NTS

|   |  |           |         |       |            |        |            |        |            |        |  |        |  |
|---|--|-----------|---------|-------|------------|--------|------------|--------|------------|--------|--|--------|--|
|  <p><b>ECA</b><br/>ARCHITECTS<br/>AND<br/>PLANNERS</p> | <p>24 N BENNETT ST.<br/>GENEVA, IL 60134<br/>PHONE 630 608 0500<br/>FAX 630 839 8875</p> <hr/> <p>PROFESSIONAL DESIGN FIRM<br/>NO. 184 05766</p>   |           |         |       |            |        |            |        |            |        |  |        |  |
| <p>Preliminary Site Plan</p> <h1 style="margin: 0;">Gas Station</h1> <p>1023 W. Main Street<br/>St. Charles, IL 60174</p>                 |  |           |         |       |            |        |            |        |            |        |  |        |  |
| <p>REVISIONS</p>  | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 10%;">DRAWN BY:</td><td>SBD/ERC</td></tr> <tr><td>DATE:</td><td>05-14-2021</td></tr> <tr><td>REV 1:</td><td>11-02-2021</td></tr> <tr><td>REV 2:</td><td>01-26-2022</td></tr> <tr><td>REV 3:</td><td></td></tr> <tr><td>REV 4:</td><td></td></tr> </table> | DRAWN BY: | SBD/ERC | DATE: | 05-14-2021 | REV 1: | 11-02-2021 | REV 2: | 01-26-2022 | REV 3: |  | REV 4: |  |
| DRAWN BY:   | SBD/ERC  |           |         |       |            |        |            |        |            |        |  |        |  |
| DATE:   | 05-14-2021   |           |         |       |            |        |            |        |            |        |  |        |  |
| REV 1:  | 11-02-2021   |           |         |       |            |        |            |        |            |        |  |        |  |
| REV 2:  | 01-26-2022   |           |         |       |            |        |            |        |            |        |  |        |  |
| REV 3:  |  |           |         |       |            |        |            |        |            |        |  |        |  |
| REV 4:  |  |           |         |       |            |        |            |        |            |        |  |        |  |
| <p>RENDER</p>   |  |           |         |       |            |        |            |        |            |        |  |        |  |
| <p>SHEET</p>  |  |           |         |       |            |        |            |        |            |        |  |        |  |
| <p>A-1</p>  |  |           |         |       |            |        |            |        |            |        |  |        |  |

IF PRINTED TO SCALE, BOTH THESE BARS WILL MEASURE 1" 1 1 2 3 4 5 6 7 8 9 10



1 REVISED RENDERED ELEVATION W/ CANOPY  
SCALE: NTS

24 N BENNETT ST.  
GENEVA, IL 60134  
PHONE 630 608 0500  
FAX 630 839 8875



PROFESSIONAL DESIGN FIRM  
NO. 184 005766

Preliminary Site Plan  
**Gas Station**  
1023 W. Main Street  
St. Charles, IL 60174

|           |                   |
|-----------|-------------------|
| REVISIONS | DRAWN BY: SBD/ERC |
|           | DATE: 05-14-2021  |
|           | REV 1: 11-02-2021 |
|           | REV 2: 01-26-2022 |
|           | REV 3:            |
| REV 4:    |                   |

RENDER  
SHEET  
A-2

IF PRINTED TO SCALE, BOTH THESE BARS WILL MEASURE 1" [1][2][3][4][5][6][7][8] [1][2][3][4][5][6][7][8][9][0]