

CIVIL ENGINEERING PLANS

FOR

CITY OF DAYTON

4TH & KENTON

DRAINAGE & SIDEWALK IMPROVEMENTS

4TH & KENTON, DAYTON, KY 41074

VICINITY MAP

DAYTON, KY



OWNER



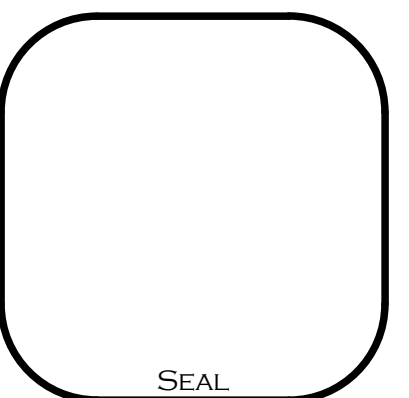
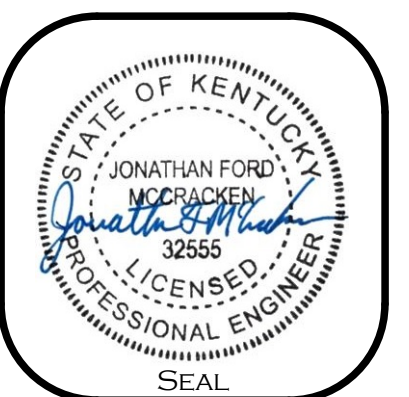
CITY OF DAYTON
514 SIXTH AVENUE, DAYTON, KY 41074
PHONE (859) 491-1600 FAX (859) 491-3538
WWW.DAYTONKY.COM



2101 CHAMBER CENTER DR | FT MITCHELL | KY 41017
PHONE (859) 912-1920
WWW.PRIMEENG.COM

SHEET INDEX

SHEET NUMBER	SHEET TITLE
COV	COVER
CN1	CONSTRUCTION NOTES
EC1	EXISTING CONDITIONS PLAN
EP1	EROSION PREVENTION & SEDIMENT CONTROL PLAN
EP2	EROSION PREVENTION & SEDIMENT CONTROL DETAILS
DS1	DEMOLITION PLAN
CE1	SITE GRADING & DRAINAGE PLAN
CE2	PROPOSED SITE PLAN
SD1	SITE DETAILS
SD2	SITE DETAILS



DATE:

05/17/2022

REVISION/SUBMITTAL LOG

NO.	DATE	REVISION/SUBMITTAL
1	05/09/2022	60% DESIGN REVIEW
2	05/17/2022	CONSTRUCTION BID SET

GENERAL CONSTRUCTION NOTES

1.

All work shall conform to the City of Dayton (Campbell County) Design Standards, Manuals, and Contract Specifications. In the event an item is not covered in the plans, the City/County Design Standards, Manuals, and Contract Specifications, the most current Kentucky Transportation Cabinet (KYTC) Design Standards, Manuals, and Contract Specifications for Construction shall apply. The governing City/County shall have the final decision on all construction materials, methods, and procedures. If work is performed in State Right of Way, all work must be performed to KYTC Standards & Specifications. The Contractor shall adhere to all of the guidelines above, regardless of the content of construction plans/documents. In the event of a conflict between the construction plans/documents, the Contractor shall immediately stop all related work and contact PRIME AE GROUP, INC.

2.

Prior to any construction, the Contractor shall be familiar with the Contract Documents and Specifications (if applicable), the Plans (including all notes). Failure on the part of the Contractor to be familiar with ALL documents pertaining to this work shall in no way relieve the Contractor of responsibility for performing the work in accordance with all such applicable Standards and Specifications.

3.

Prior to construction, the Contractor shall have in their possession all necessary permits, plans, licenses, etc. The Contractor shall be responsible for all fees. The Contractor shall supply PRIME AE GROUP, INC. and the Owner with a copy of all permits and applications for permits. The Contractor shall have at least one set of approved Engineering Plans and Specifications on-site at all times. The Contractor shall have at least one copy of all applicable City, County, or State standard drawings on-site at all times. The Contractor is also responsible for installation of erosion control measures, and obtaining a grading permit prior to any work being performed on the site. It is the contractor's responsibility to provide all erosion control measures required by governing authorities, at no additional cost to the Owner/PRIME AE GROUP, INC, whether they appear on the plans or NOT.

4.

Construction inspection will/may be performed by representatives of the Owner, Engineer, City/County, Geotechnical Engineer, and reviewing authorities and agencies. Unrestricted access shall be provided to them at all times. The Contractor is responsible for understanding and scheduling required inspections. Testing samples shall be collected and processed by certified technicians (if necessary).

5.

Work shall not begin until an onsite meeting is held with the Owner, PRIME AE GROUP, INC, Site Inspector, Contractor, City/County, and all Utility Companies.

6.

The Contractor shall notify all applicable City, County and State offices a minimum of 5 working days prior to any grading on public streets and 24 hours prior to any traffic restrictions on public streets. The contractor shall provide reasonable access to residential, commercial and public properties in the project area.

7.

The Contractor shall implement all City, County, State and Federal job site health and safety requirements. The Contractor shall be responsible for initiating, maintaining, supervising all safety precautions and programs at the job site during all phases of construction. The contractor shall be responsible for public safety and convenience during all phases of construction. Anyone using the information from these plans/documents acknowledges and warrants that PRIME AE GROUP, INC, is not responsible for job site safety in any way and will not be liable under any circumstances. The Contractor shall be responsible for job site safety of all persons and property will be held liable for any and all claims. The Contractor shall defend, indemnify and hold the Owner/PRIME AE GROUP, INC, harmless from any and all liability, real or alleged, in the connection with the performance of work on this project.

8.

The Contractor shall verify locations (horizontal and vertical), slopes, distances, and features that may affect the work. Should existing conditions differ from those shown or indicated, or if it appears that these plans, standard specifications, and special provisions do not adequately detail the work to be done, contractor shall notify PRIME AE GROUP, INC prior to continuing with any related work. No allowance will be made on the Contractor's behalf for any extra expense resulting from failure or neglect in determining the conditions under which work is to be performed. Noted dimensions take precedence over scale.

9.

The Contractor shall provide, install, and maintain a project sign according to the governing authority's standards.

10.

All storm sewer and sanitary sewer structures, pipes, inlets, headwalls, etc. shall meet or exceed the City/County and State specifications and standard drawings.

11.

The Contractor shall provide protective measures to prevent unauthorized access to the site. Adequate signage shall be provided to all pedestrian and vehicular traffic. The Contractor is responsible for all protective measures, whether it is depicted on the plans or NOT.

12.

The Contractor shall protect existing buildings and retaining walls including footers and foundations during demolition and construction. The general Contractor is responsible for any and all damages caused to the adjoining structures by the construction activity on the site.

13.

No blasting or explosives shall be permitted on the project site.

14.

All excavation, trenching, bedding, backfill, & final dressing necessary to construct/install each item on the plans shall be included in the bid and be considered incidental.

15.

The Contractor shall be required to take pictures/videos of the construction area prior to any mobilization. These must be produced to the Owner and PRIME AE GROUP, INC upon request.

16.

All disturbed areas not identified with a specific seed mix or sod shall be seeded with a fescue mix appropriate for the area (no more than 10% bluegrass seed in mix), the Contractor shall submit seed mix for approval.

17.

Temporary seeding/straw, mulch cover, (or equivalent control measures) etc. shall be placed on areas that have been inactive of construction activities for more than 14 days. After 21 days of construction inactivity or notice that construction activity of the site has ceased (permanently), permanent ground cover shall be placed. During the winter months wheat or other cold temperature ground cover is recommended. All temporary seeding/straw, mulch cover, (or equivalent control measures) shall be considered incidental to the project.
- EROSION PREVENTION AND SEDIMENT CONTROL NOTES
1.

Erosion control measures indicated in the Storm Water Pollution Prevention Plan (SWPPP), the Best Management Plan (BMP), the Erosion Prevention and Sediment Control Plan (EPSC), and the Erosion Prevention and Sediment Control Notes are considered the minimum requirements and do not relieve the contractor from responsibility and liability from compliance with the EPA (Environmental Protection Agency) and the Kentucky Division of Water.

2.

The latest requirements for erosion control can be found at these web address:
EPA - www.epa.gov <<http://www.epa.gov>>
Kentucky Division of Water - <<http://www.water.ky.gov>>

3.

No clearing and grubbing or disturbance the natural ground cover shall occur until all the necessary permits are obtained and the SWPPP, BMP, and EPSC plan are approved by all of the governing authorities and implemented by the Contractor. Modifications to these plans should be brought to the attention of the Engineer and the local government having jurisdiction. Erosion and sediment control measures shall be maintained by the Contractor throughout all phases of construction.

4.

Detention and Retention Basins, if applicable shall be constructed first and shall perform as sediment basins during construction. Once permanent ground cover has been established for all of the contributing drainage areas the Contractor shall clean the basins of all sediment and debris.

5.

The Contractor shall provide, install, and maintain all erosion prevention and sediment control measures necessary to meet the requirements. Once permanent ground cover is established for all of the contributing drainage areas, the Contractor shall remove all of the erosion prevention and sediment control measures.

6.

The Contractor shall limit the access to the site through the construction entrance(s) shown on the plans. The Contractor shall install and maintain a construction entrance, dimensions are shown on the EPSC plan.

7.

At all times the Contractor shall maintain adjacent streets to be free from mud, dust, dirt, debris and other nuisance in a neat, safe, clean and sanitary condition at all times and to the satisfaction of the City/County inspector.

8.

The Contractor shall provide approved protective measures and drainage provisions to protect adjoining properties from deposition of material or flows resulting from construction of this project during all phases of construction. The contractor shall be responsible for cleanup of any silt or debris on adjoining properties resulting from this project.

9.

All existing natural drainage, flow lines, sheet flow runoff, drainage in pipes, swales and conduits onto this property from adjacent land shall not be blocked, redirected, concentrated or accelerated.

10.

Prior to any clearing, grading or construction, protective barriers shall be placed around all trees to be retained on the site to prevent damage to the trees. The tree protection fences should be placed on the drip line of the tree. No equipment shall be parked and no material shall be stockpiled in this protective area to avoid soil compacting. Heavy equipment operations will be cautioned to avoid damage to existing tree trunks, branches, and roots during grading operations.

11.

The Contractor is responsible for preventing silt from getting into storm and sanitary sewer systems. In the event, sediments are found in the systems, the Contractor is responsible for cleaning silt, and debris.
- UTILITY NOTES
1.

It will be the responsibility of each Contractor to protect all existing public and private utilities throughout the construction of this project. The Contractor shall contact the appropriate utility companies for line locations prior to commencement of construction and shall assume full liability to those companies for any damages caused to their facilities.

2.

These plans do not guarantee the existence, nonexistence, size, type, location alignment or depth of any or all underground utilities or other facilities. Where surface features (manholes, catch basins, valves, etc.) are unavailable or inconclusive, information shown may be from utility owner's records and/or electronic line tracing, the reliability of which is uncertain.

3.

The Contractor shall perform whatever test excavation or other investigation as necessary to verify tie-in inverts, locations and clearances. In the event of a conflict or discrepancies the Contractor shall immediately stop all related work and contact PRIME AE GROUP, INC.

4.

The Contractor is responsible for documenting and coordinating any utility work with the appropriate utility company. The Contractor shall meet or exceed the guidelines set forth by the utility company.

5.

Existing utilities shall not be shut off or capped without prior notice to the Utility owner. Coordinate work with all applicable utility companies.

6.

Removal of existing utilities shall be done only after critical new systems are in place and operational.
- CABLE**
Time Warner Cable
Street Address or P.O. Box
116 6th Ave
Dayton, KY 41074
(859) 300-6173
- GAS & ELECTRIC**
Duke Energy
424 Gest St,
Cincinnati, OH 45203
(800) 544-6900
- SANITARY & STORM**
Sanitation District No.1
1045 Eaton Dr.
Fort Wright, KY 41017
(859) 578-7450
- TELEPHONE**
Cincinnati Bell Store
221 E. 4th Street
Cincinnati, OH 45202
(513) 565-0583
- WATER**
Northern Kentucky Water District
2835 Crescent Springs Rd.
Erlanger, KY 41018
(859) 578-8988
- DEMOLITION NOTES
1.

Contractors shall be responsible for reviewing all documents and visiting the site to become familiar with and verify the existing conditions. These demolition drawings shall serve to aid the Contractor in evaluation of the extent of demolition, but shall not be held to be all inclusive.

2.

Contractors shall be responsible for all demolition required for the installation of new construction and as necessary to fulfill the purpose and intent of the finished work, whether or not it is specifically shown or noted in these documents. Demolition shall include, but is not limited to, removal of all buildings, pavements, curbs, light poles (including footings), vegetation (including stumps), utilities not otherwise reused, etc., as required for new construction.

3.

Any areas disturbed and/or damaged outside of the demolition area shall be replaced and/or repaired to the pre-construction state (match existing) by the Contractor.

4.

Unless noted otherwise all demolition materials shall become the property of the Contractors and shall be removed from the property. All demolition material removed from the site shall be disposed of according to State and Federal Law. The Owner reserves the right and shall be given the opportunity to claim items whether or not those items were specifically noted for removal, relocation, or as returned to Owner.

5.

The Contractors shall field inspect all demolition to insure such removal does not impair structural integrity of the existing buildings and retaining walls. If the inspection indicates that the structural integrity may be impaired, the Contractor shall immediately stop all related work and notify PRIME AE GROUP, INC.

6.

The refuse resulting from clearing and grubbing shall be disposed of by the Contractor in a manner consistent with all government regulations. In no case shall refuse material be left on the project site, placed onto abutting private properties, or be buried in embankments or trenches on the project site. Debris shall not be deposited in any stream or body of water, wetland, or in any street or alley, or upon any private property except by written consent of the private property Owner. Hauling routes shall remain clean and free of any debris resulting from demolition work on this project.

7.

The Contractor shall completely remove all growth including complete root systems of trees, shrubs, herbaceous weeds and grasses, within the limits of clearing and grubbing area.

8.

Care shall be taken during demolition to ensure that damage does not occur to existing pavement, curbs, and sidewalks which is to remain in place and that all removals are accomplished by making a neat vertical saw cut at the boundaries of the area to be removed.

9.

The contractor shall mill existing asphalt surfaces at edge of demolition limits to provide a clean and smooth surface transition when proposed asphalt is tying into existing asphalt. Unless otherwise noted the milling width shall be a minimum of 1'-0" wide and the milling depth shall be equal to the thickness of the proposed surface course.

10.

The Contractor shall verify that all utility services to be demolished and/or abandoned have been disconnected.
- GRADING NOTES
1.

It is the Contractor's responsibility to perform any additional geotechnical explorations to determine the topsoil, unsuitable material, rock limits, or any information pertinent to perform the construction. All the necessary earth work should be included as part of the bid. Various geological situations encountered natural or man made shall be the responsibility of the contractor and the remedial measures would be the Contractor's responsibility and any unclassified excavation is considered incidental to construction.

2.

When materials which are unsuitable for subgrade, or other roadway purposes, occur within the limits of street construction, the Contractor shall be required to excavate such material below the grade shown on plans, and the areas so excavated shall be backfilled with approved suitable materials. The extent of undercutting and backfilling shall be determined by the Geotechnical Engineer.

3.

Topsoil should be stock piled within the site with appropriate erosion control measure taken unless it is in excess or stated otherwise, in which case is shall be removed by the Contractor.

4.

The Contractor shall remove all unsuitable materials from the site, burying of unsuitable material on site shall not be permitted. All excavated materials shall become property of the Contractor and shall be removed from the site unless instructed in writing to do otherwise by the Owner or PRIME AE GROUP, INC. All unsuitable materials removed from the site shall be disposed of according to State and Federal laws. Unsuitable materials include frozen soil, soft unstable material and miscellaneous fill or any material classified as unsuitable by the Geotechnical Engineer.

5.

During wet and rainy periods, aeration is necessary for fill materials to achieve the required moisture content. During dry periods, water may need to be added to achieve the proper moisture content for compaction. When clay soils are encountered it may be necessary for aeration during the summer periods as well. Borrow material shall not be placed over frozen/saturated materials or unsuitable material. Dust shall be controlled by watering.

6.

The Contractor is required to furnish a minimum 6" of topsoil. It is the Contractor's responsibility to determine the amount of topsoil required an include it in the bid, topsoil shall be incidental to contract.

7.

Trench and mass excavation shall be unclassified and to the depths shown on the plans.

8.

Compaction tests shall be performed by a qualified Geotechnical Engineer, at the request of the City, County, State or PRIME AE GROUP, INC. The cost for same shall be borne exclusively by the contractor. The Geotechnical Engineer shall be on-site during filling operations and the Contractor shall follow all recommendations regarding fill placement.

9.

Cut Slopes (excavation) shall be constructed as shown on the plans not exceeding a maximum of 3:1 (horizontal / vertical).

10.

Fill Slopes (embankment) shall be constructed as shown on the plans not exceeding a maximum of 3:1 (horizontal / vertical).

11.

The Geotechnical Engineer may require additional work based on actual field conditions. The Contractor shall follow all guidelines set forth by the Geotechnical Engineer.

12.

All areas that are to be seeded or sodden shall be box graded removing rock, clodded dirt, stumps, roots and all objects larger than 2 inches.
- TRAFFIC CONTROL NOTES
1.

When the normal function of the roadway is suspended through closure of any portion of the right-of-way, temporary construction work zone traffic control devices shall be installed to effectively guide the motoring public through the area. Consideration for road user safety, worker safety, and the efficiency of road user flow shall be an integral element of every traffic control zone. All traffic control devices shall be in accordance with the latest Manual on Uniform Traffic Control Devices (MUTCD).

2.

Any traffic control plans not included in the engineering plan set must be submitted for review a minimum of seven (7) working days prior to the anticipated lane closure. Construction activity shall not begin until the traffic control plan is approved by the governing authority. Traffic control plans may be required on other roadways as determined by the governing authority or the designer. All traffic control plans must be prepared by an individual that is certified in their preparation. Any deviation from an approved traffic control plan must be reviewed by the governing authority or their designated representative.

3.

The Contractor shall be responsible for maintaining all traffic control devices on an around-the-clock basis, whether or not work is active. Any deficiencies shall be corrected by the Contractor immediately, regardless of time of day.

4.

All temporary traffic control devices shall be removed as soon as practical when they are no longer needed. When work is suspended for short periods of time at the end of the workday, temporary traffic control devices that are no longer appropriate shall be removed or covered.

5.

Existing permanent signs removed by the contractor for construction purposes shall be reset according to the governing authority's standards immediately after construction. All stop, yield and street name signs removed shall be temporarily erected in the appropriate locations (no less than 7 feet vertical from grade) until permanent signing can be installed. Any temporary stop or yield sign locations to be left in place overnight will require prior approval from the governing authority.

6.

Access must be maintained to all drives and side streets or as indicated in the traffic control plan.

7.

The contractor shall be responsible for furnishing all labor, material, equipment and incidental items needed to provide adequate construction signing, barricades, traffic control devices and other related items for the project, during all phases of construction.
-
- * CALL BEFORE YOU DIG "B.U.D." *
1 (800) 752-6007
KRS 367.4901 thru 367.4917
- B.U.D. (KENTUCKY 811) NOTES
1.

The location of utilities shown hereon are from observed evidence of above ground appurtenances only, or utility markings performed by third parties (Before You Dig services and/or location services).

2.

Whether they appear on these plans or NOT, the Contractor shall expose and field verify the location (horizontal and vertical) of all underground utilities, including but not limited to gas, water, electric, sanitary sewer, storm sewer, cable, telephone and traffic control. Any conflicts shall be reported immediately to the Engineer and the appropriate authorities.

3.

The Contractor shall contact the Kentucky Underground Protection, Inc. a minimum of two working days and a maximum of 10 working days prior to excavation at telephone number 1 (800) 752-6007.

4.

The Contractor shall comply with KRS 307.4901 thru 367.4917.
- CONCRETE WORK NOTES
1.

All concrete shall be a minimum of Class A, 3,500 psi unless otherwise specified.

2.

The Contractor shall install a continuous 1/2" thick expansion joint where newly placed concrete abuts existing concrete or any fixed object.

3.

Sidewalks shall be 4 1/2" thick unless otherwise noted. Sidewalks at driveways and entrances shall be 6" thick unless otherwise noted.

4.

All Driveways and entrance pans shall be 6" thick unless otherwise noted.

5.

Sidewalk cross slope shall be 2% maximum slope, 1% minimum slope.

6.

All sidewalks shall have 1/2" expansion joints at a maximum of 30' spacing at all breaks in alignment and at the beginning and ending points of curves. Sidewalks shall have a tooled control joint, the spacing shall be equal to the width of the sidewalk.

7.

Curbs shall have 1/2" expansion joints at a maximum of 30' spacing at all breaks in alignment and at the beginning points and the ending points of curves.

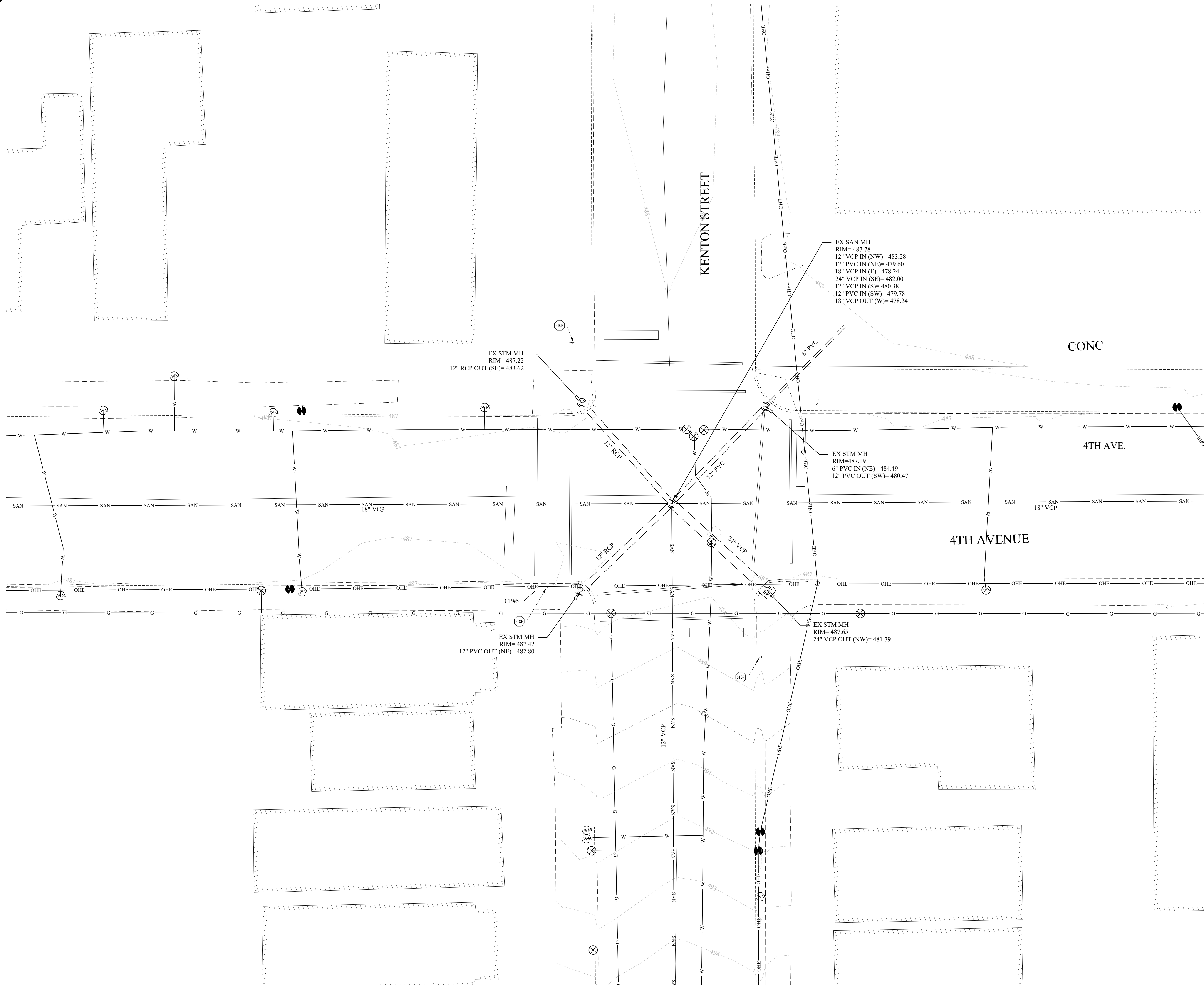
9.

All sidewalk ramps and ingress/egress paths shall conform to the current American Disabilities ADA standards guidelines and requirements and any other governing authorities requirements.
- HAZARDOUS MATERIAL NOTES
1.

If any construction personnel encounter any material which they suspect to be hazardous or toxic, they shall stop work immediately and advise the owner. The Contractor shall take immediate and appropriate action to protect the public and workers in accordance with all federal, state, and local laws, codes and regulations.

2.

The contractor is hereby advised that PRIME AE GROUP, INC is not a design professional in the determination of the presence of hazardous materials, or in making recommendations regarding the testing, removal, encapsulation or their corrective measures pertaining to hazardous materials.
- P:\2021\10010150-21381 - City of Dayton On Call\21381 - 4th & Kenton Construction Notes.dwg
Day & Time: May 17, 2022 - 2:35pm
Login Name: dbern.garcia
-
-
- 2101 CHAMBER CENTER DR
FT MITCHELL, KY 41017
PHONE (859) 912-1920
- PROJECT
4TH & KENTON
DRAINAGE & SIDEWALK IMPROVEMENTS
4TH & KENTON - DAYTON, KY 41074
CAMPBELL COUNTY, KENTUCKY
CITY OF DAYTON
514 56TH AVENUE - DAYTON, KY 41074
P (859) 491-1500 - F (859) 491-3538
OWNER
- PROJECT NO.:
21391
DATE:
MAY 2022
DRAWN BY:
AUG
CHECKED BY:
JM
- | DESCRIPTION OF REVISION |
|-------------------------|
| |
| |
| |
| |
| |
| |
| |
| |
| |
- CONSTRUCTION NOTES
- SHEET NO.
- CN1



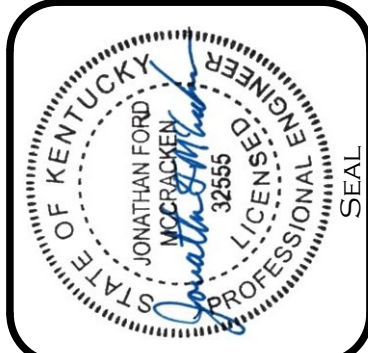
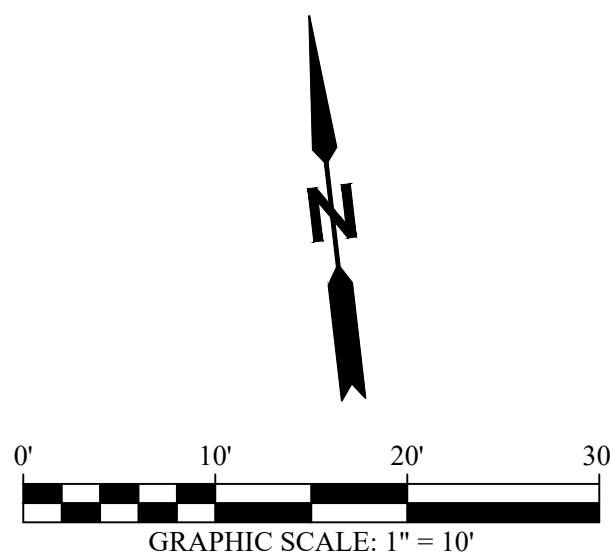
EXISTING CONDITIONS LEGEND

- Existing driveway
- Existing edge of pavement
- Existing gutter pan flowline
- Existing landscape area
- Existing building overhang
- Existing porch
- Existing storm pipe
- Existing building
- Existing sidewalk
- Existing curb top back
- Existing underground electric line
- Existing water pipe
- Existing fence wood
- Existing road striping
- Existing survey control
- Existing bollard
- Existing horizontal control
- Existing fire hydrant
- Existing gas valve
- Existing survey control
- Existing light pole
- Existing mag nail found
- Existing sanitary structure
- Existing sign
- Existing storm structure
- Existing telephone manhole
- Existing utility pole
- Existing water meter
- Existing water valve
- Existing tree

Survey Control

Point #	Northing	Elevation	Easting	Description
1	588171.26	488.42	1579640.41	MAG NAIL
2	588223.13	488.23	1579174.20	MAG NAIL
4	588138.88	489.69	1579885.75	MAG NAIL
5	588201.38	487.37	1579385.70	MAG NAIL

* The survey data shown hereon is based on NAD 83 (2011) Kentucky State Plane North Zone horizontal datum and the NAVD 88 (Geoid 18) vertical datum.



PRIMEA
2101 CHAMBER CENTER DR
FT MITCHELL, KY 41017
PHONE (859) 912-1920

PROJECT
4TH & KENTON
DRAINAGE & SIDEWALK IMPROVEMENTS
4TH & KENTON - DAYTON, KY 41074
CAMPBELL COUNTY, KENTUCKY
CITY OF DAYTON
514 SW 6TH AVENUE - DAYTON, KY 41074
P (859) 491-1600 - F (859) 491-3538
OWNER

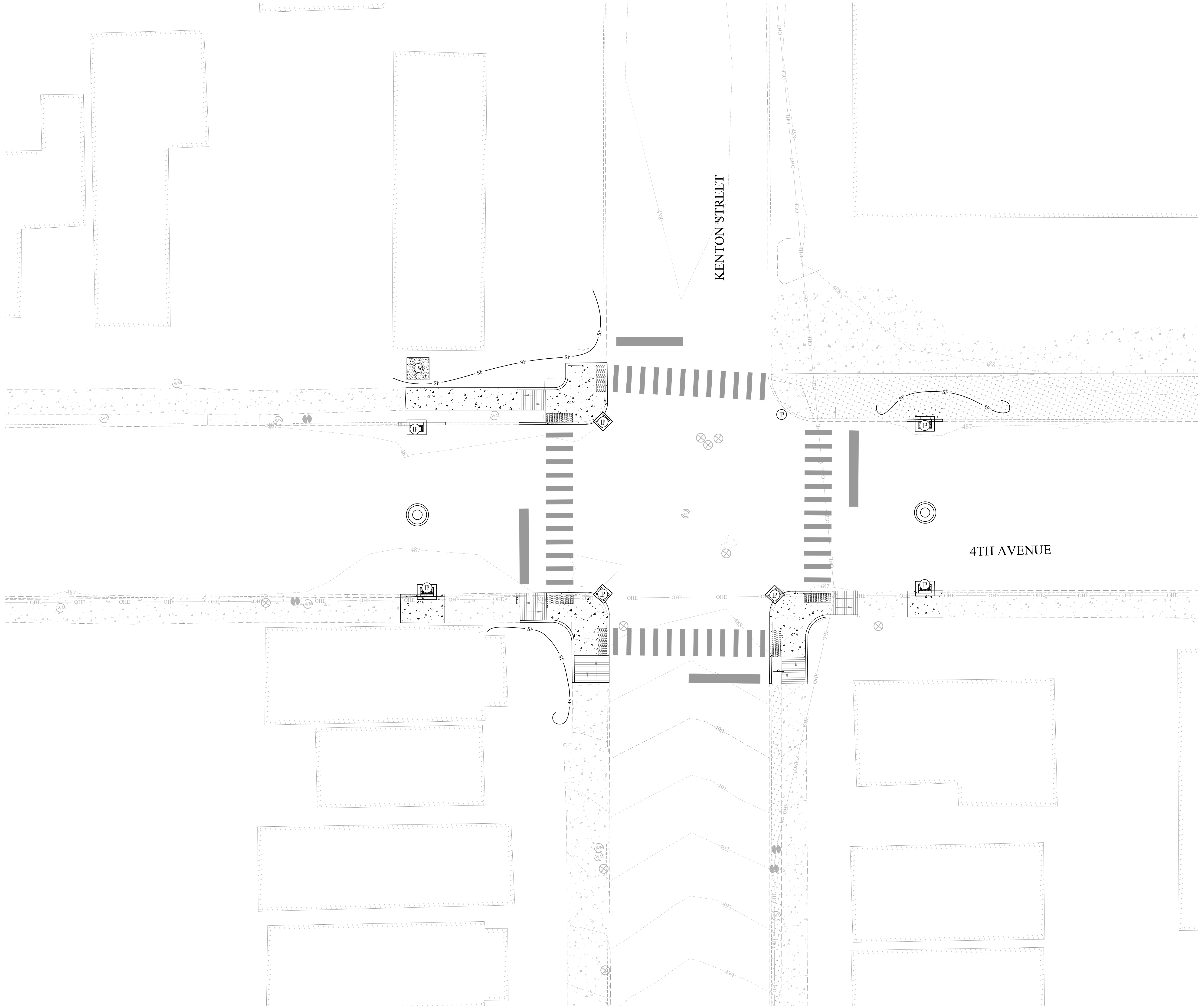
PROJECT NO.:
21391
DATE:
MAY 2022
DRAWN BY:
AUG
CHECKED BY:
JM

DESCRIPTION OF REVISION

EXISTING CONDITIONS PLAN

SHEET NO.

EC 1



EROSION PREVENTION & SEDIMENT CONTROL LEGEND		
Graphic	Description	Symbol
	Inlet protection	IP
— SF —	Silt fence	SF
	Concrete washout pit	CW

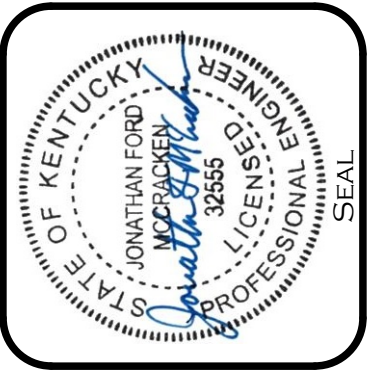
- EROSION PREVENTION & SEDIMENT CONTROL NOTES**
- The location of the concrete washout pit shown hereon is a general overview and may be adjusted in the field due to Construction Activities and Construction Means and Methods.
 - Protect disturbed areas of the site that will not be covered by sidewalk or roadway with seed and straw.

KPDES NOI INFORMATION

Area of Site: 0.24 Acres (NOI not required)

Lat: 39° 6'54.00"N
Long: 84°27'53.92"W

Receiving Water Body: Public storm sewers to an unnamed tributary



PRIMEA[®]
2101 CHAMBER CENTER DR
FT MITCHELL, KY 41017
PHONE (859) 912-1920

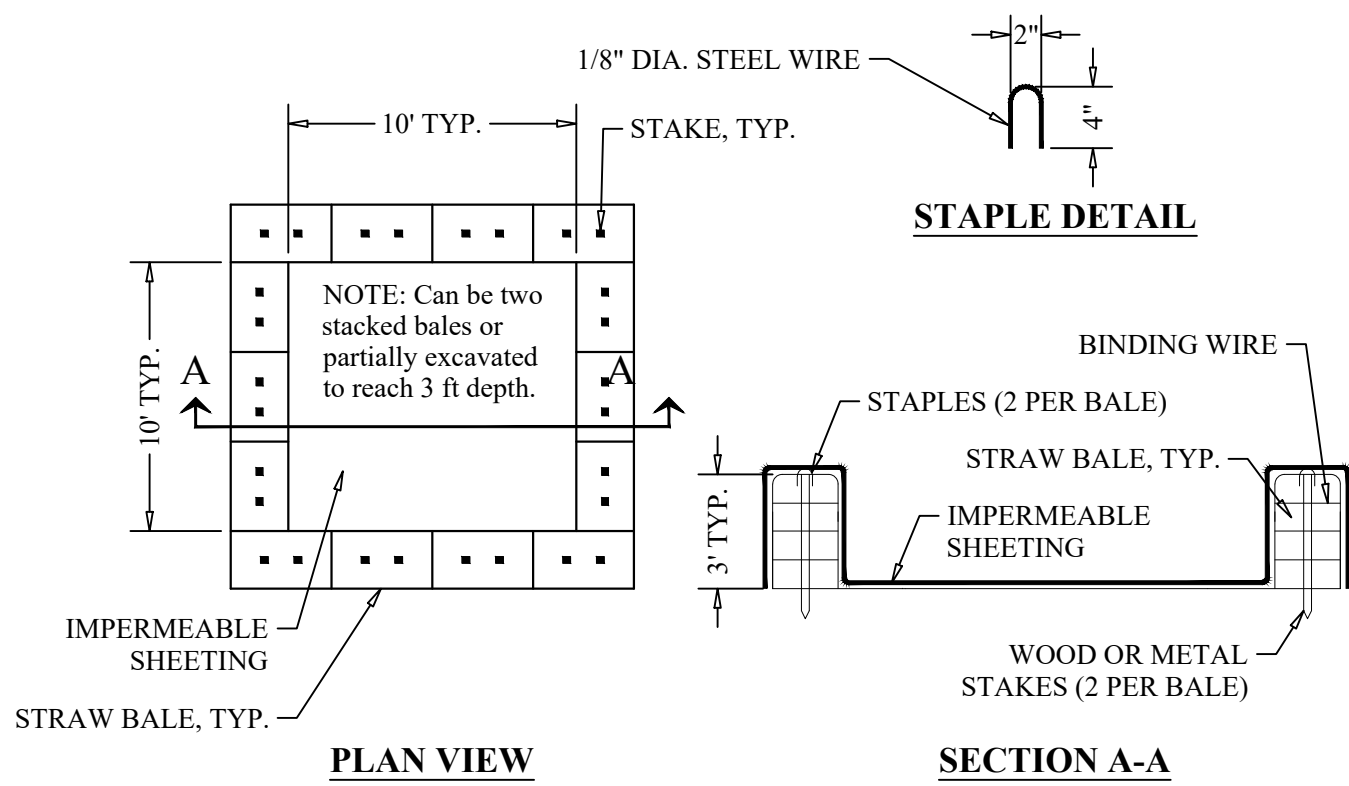
PROJECT
4TH & KENTON
DRAINAGE & SIDEWALK IMPROVEMENTS
4TH & KENTON - DAYTON, KY 41074
CAMPBELL COUNTY, KENTUCKY
CITY OF DAYTON
514 56TH AVENUE - DAYTON, KY 41074
P (859) 491-1600 - F (859) 491-3538
OWNER

PROJECT NO.:
21391
DATE:
MAY 2022
DRAWN BY:
AUG
CHECKED BY:
JM

DESCRIPTION OF REVISION

EROSION PREVENTION
& SEDIMENT
CONTROL PLAN

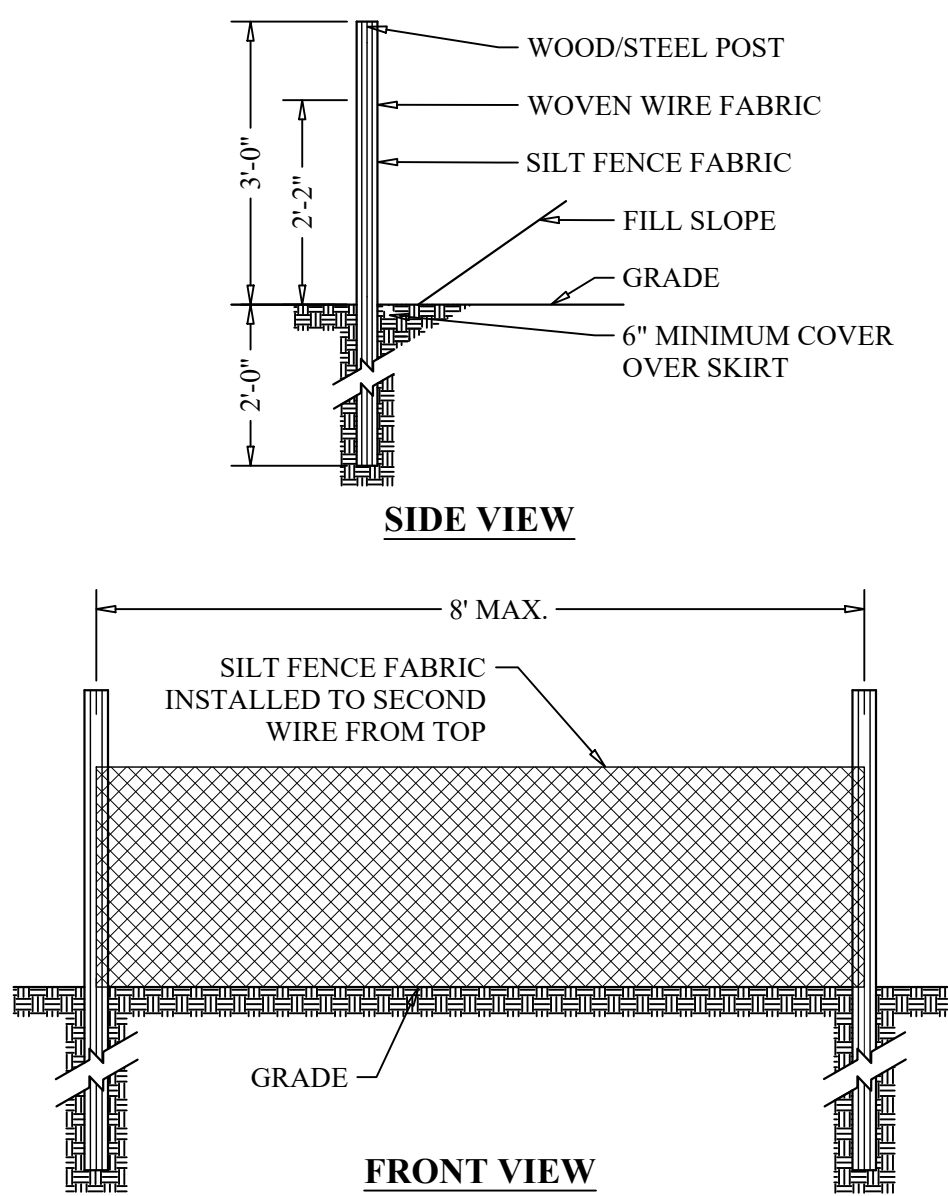
SHEET No.
EP1



1. Locate washout structure a minimum of 50 feet away from open channels, storm drain inlets, sensitive areas, wetlands, buffers and water courses and away from construction traffic.
2. Size washout structure for volume necessary to contain wash water and solids and maintain at least 4 inches of freeboard. typical dimensions are 10 feet x 10 feet x 3 feet deep.
3. Prepare soil base free of rocks or other debris that may cause tears or holes in the liner. for liner, use 10 mil or thicker uv resistant, impermeable sheeting, free of holes and tears or other defects that compromise impermeability of the material.
4. Provide a sign for the washout in close proximity to the facility.
5. Keep concrete washout structure water tight. Replace impermeable liner if damaged (e.g., ripped or punctured). Empty or replace washout structure that is 75 percent full, and dispose of accumulated material properly. do not reuse plastic liner. Wet-vacuum stored liquids that have not evaporated and dispose of in an approved manner. Prior to forecasted rainstorms, remove liquids or cover structure to prevent overflows. Remove hardened solids, whole or broken up, for disposal or recycling. maintain runoff diversion around excavated washout structure until structure is removed.

CONCRETE WASH PIT WITH STRAW BALES DETAIL

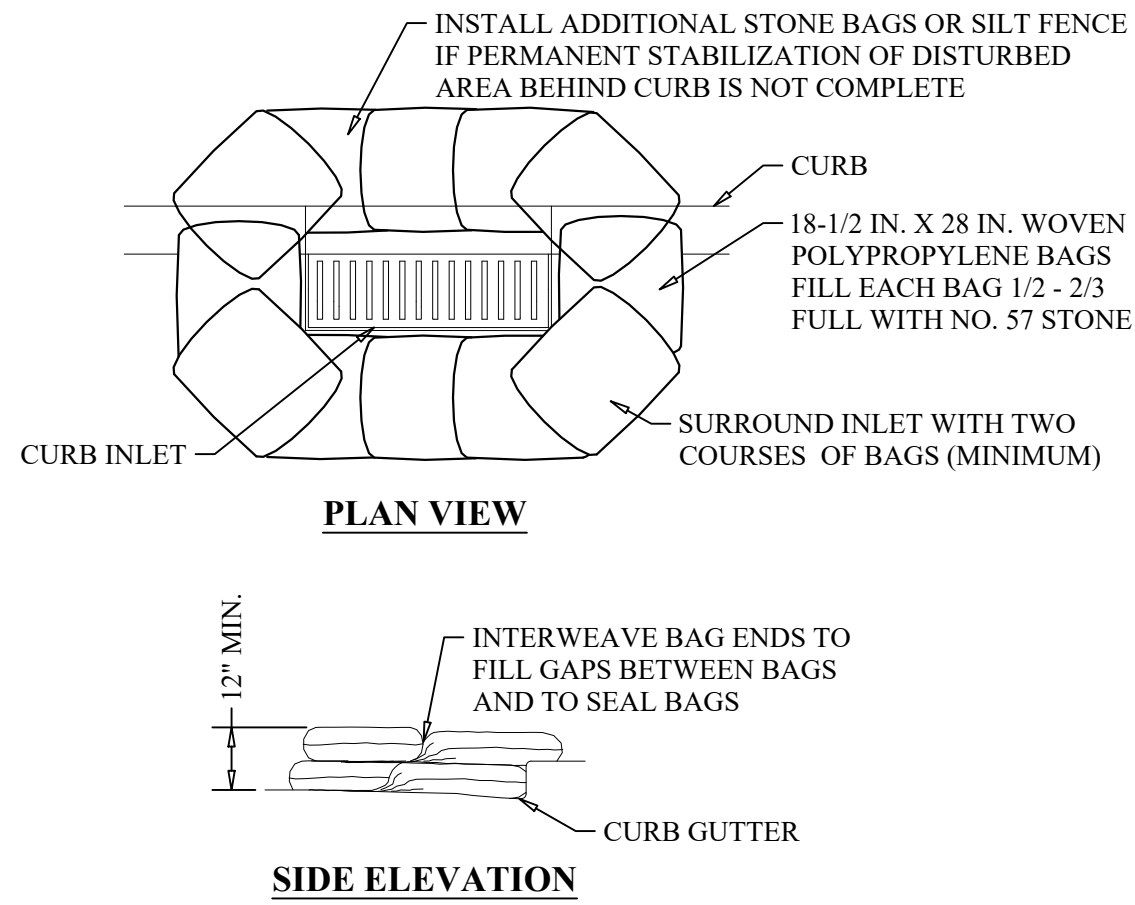
SCALE: NOT TO SCALE



1. Silt Fence shall be installed around the perimeter of the project, where the ground is sloping away from the project area on to adjacent properties or R/W.
2. Use Silt Fence only when drainage area (NOT project area) does not exceed 1/4 Acre and never in areas of concentrated flow.
3. The Silt Fence should be placed on the downstream side of a slope.
4. A minimum of six (6") inches of the silt fence should be buried on the upstream end of the slope to ensure the runoff will be filtered and the sediments are detained.

SILT FENCE DETAIL

SCALE: NOT TO SCALE



STORM INLET PROTECTION DETAIL

SCALE: NOT TO SCALE

2101 CHAMBER CENTER DR
FT MITCHELL, KY 41017
PHONE (859) 912-1920

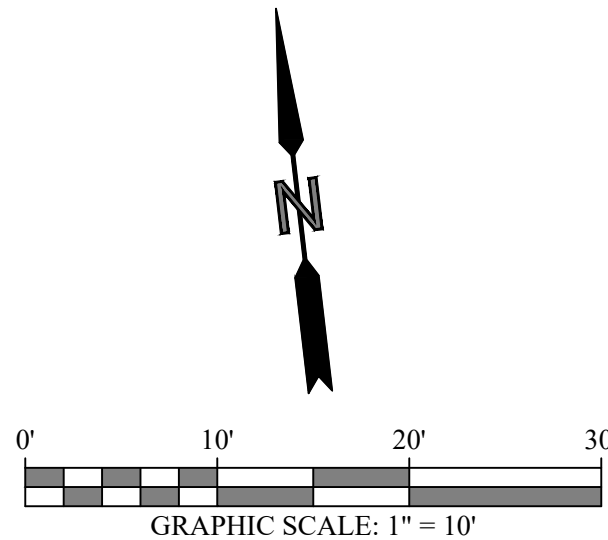
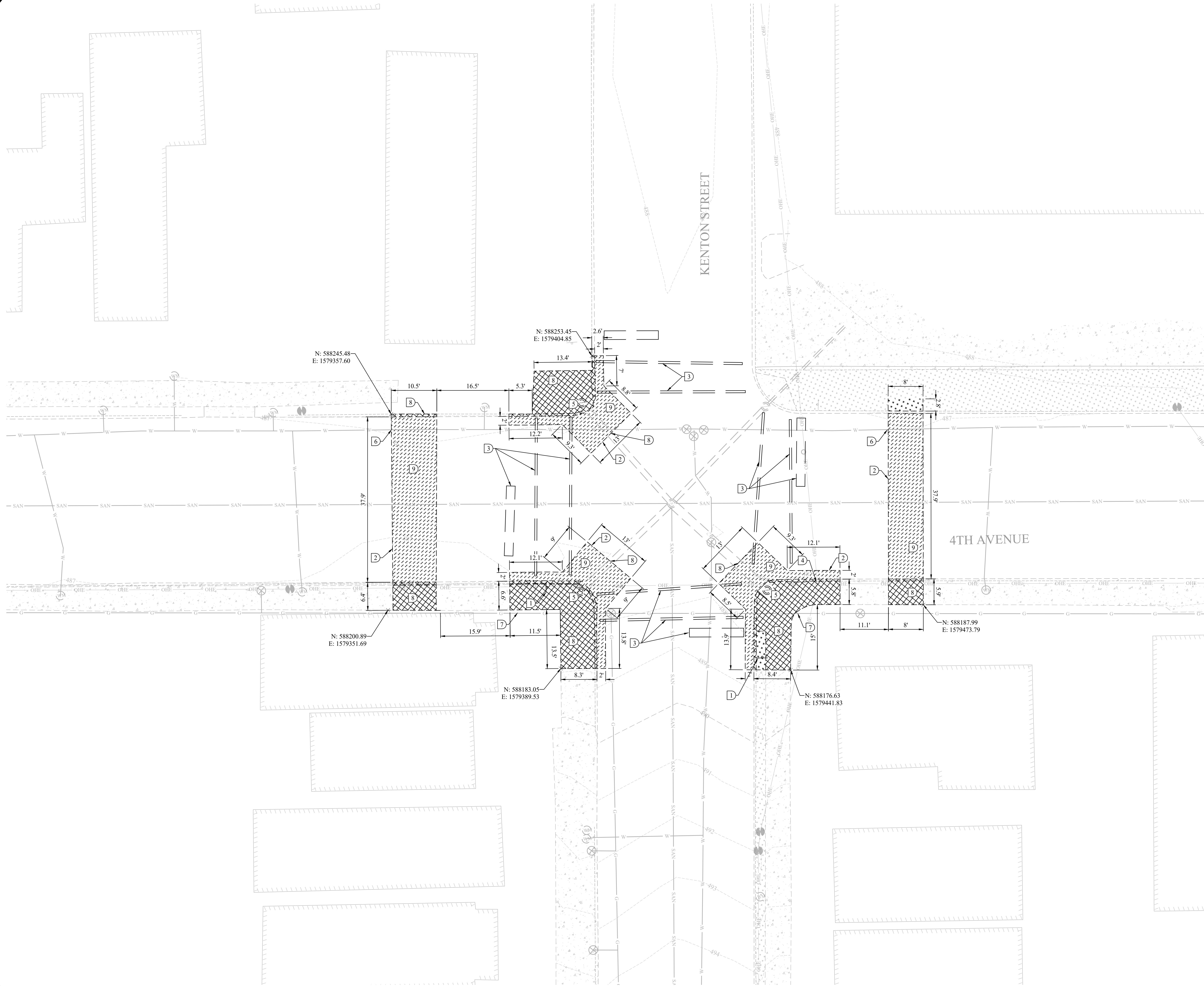
PROJECT
4TH & KENTON
DRAINAGE & SIDEWALK IMPROVEMENTS
4TH & KENTON - DAYTON, KY 41074
CAMPBELL COUNTY, KENTUCKY
CITY OF DAYTON
514 SIXTH AVENUE - DAYTON, KY 41074
P (859) 491-1500 - F (859) 491-3538
OWNER

PROJECT NO.:
21391
DATE:
MAY 2022
DRAWN BY:
A/JG
CHECKED BY:
J/M

DESCRIPTION OF REVISION

EROSION PREVENTION
& SEDIMENT CONTROL
DETAILS

SHEET NO.
EP2

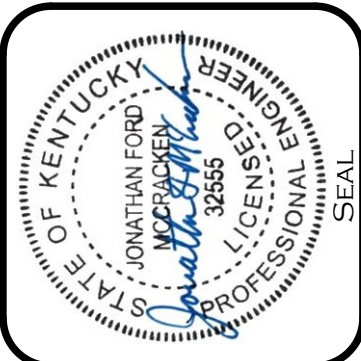


DEMOLITION LEGEND

- SAW CUT AND PROVIDE EDGE KEY, SEE SITE DETAILS.
- [Pattern] EXISTING CONCRETE TO REMAIN
- [Pattern] EXISTING LANDSCAPE AREA
- [Pattern] EXISTING LANDSCAPE TO BE REMOVED
- [Pattern] EXISTING ASPHALT TO BE REMOVED
- [Pattern] EXISTING CONCRETE TO BE REMOVED

DEMOLITION KEYNOTES

- Remove and relocate existing stop sign. See Proposed Site Plan for details.
- Saw cut and provide edge key, see Site Details.
- Remove existing pavement markings. Not included in this contract. For reference only.
- Do not disturb existing utility pole during construction.
- Remove existing curb box inlet. Reconnect existing storm sewer pipe to proposed drop box inlet. Refer to Site Grading & Drainage Plan for details.
- Do not disturb existing water main during construction. Coordinate with Northern Kentucky Water District.
- Do not disturb existing gas main during construction. Coordinate with Duke Energy.
- Remove full depth existing concrete sidewalk and curb.
- Remove full depth existing asphalt pavement for storm sewer installation.



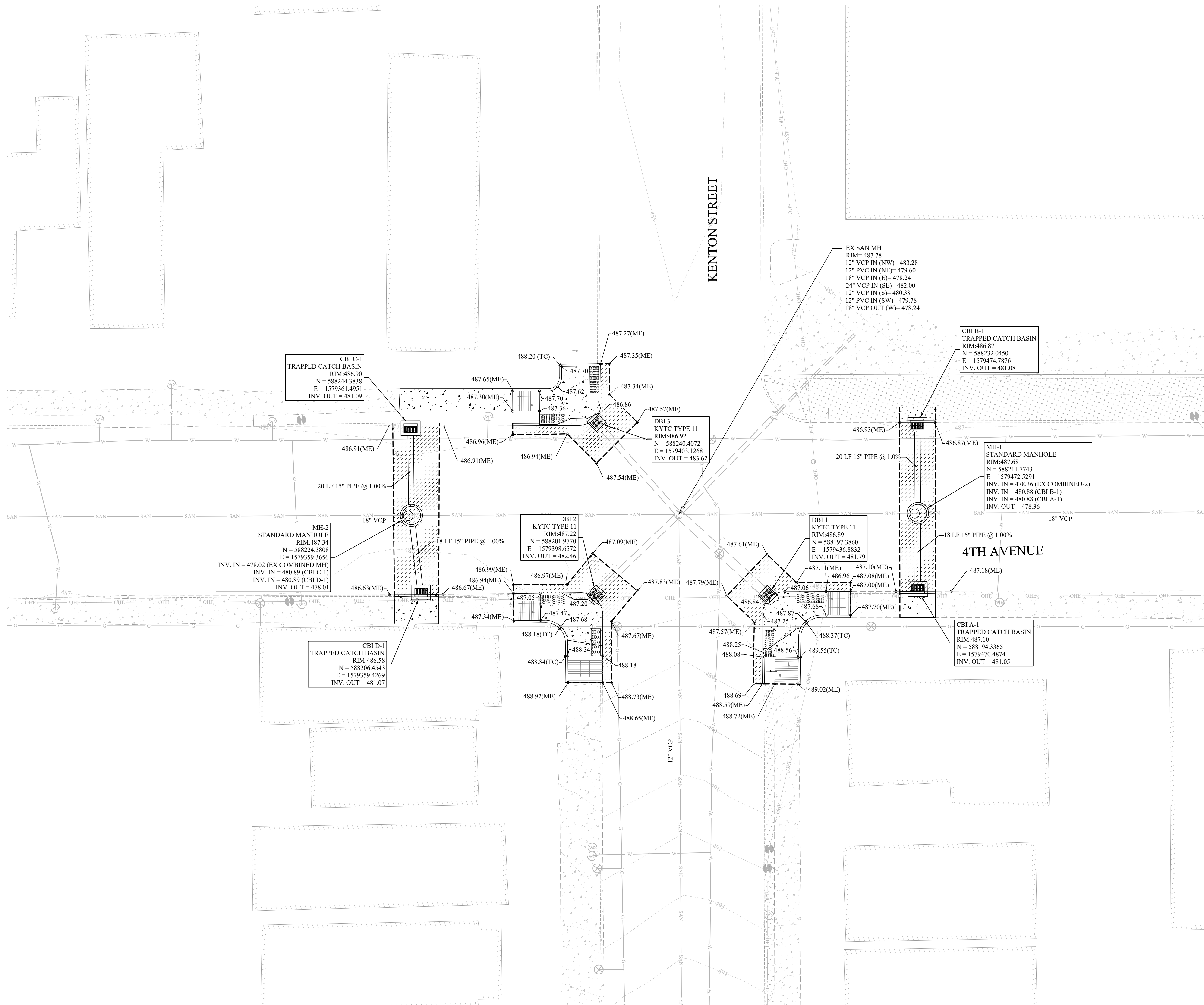
PRIMEA
2101 CHAMBER CENTER DR
FT MITCHELL, KY 41017
PHONE (859) 912-1920

PROJECT
4TH & KENTON
DRAINAGE & SIDEWALK IMPROVEMENTS
4TH & KENTON - DAYTON, KY 41074
CAMPBELL COUNTY, KENTUCKY
CITY OF DAYTON
514 SW 6TH AVENUE - DAYTON, KY 41074
P (859) 491-1600 - F (859) 491-3538
OWNER

PROJECT NO.:
21391
DATE:
MAY 2022
DRAWN BY:
AUG
CHECKED BY:
JM

DESCRIPTION OF REVISION

DEMOLITION PLAN



SITE PLAN LEGEND

- EXISTING CONCRETE TO REMAIN
- EXISTING LANDSCAPE AREA
- PROPOSED LANDSCAPE AREA
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE SURFACE

SITE GRADING & DRAINAGE LEGEND

- 900.00 — Spot elevation
- (TC) Top of curb elevation
- (ME) Match existing elevation

NOTE

All spot elevations are bottom of curb or final surface elevations unless otherwise noted.



PROJECT
4TH & KENTON
DRAINAGE & SIDEWALK IMPROVEMENTS
4TH & KENTON - DAYTON, KY 41074
CAMPBELL COUNTY, KENTUCKY
CITY OF DAYTON
514 SW 4TH AVENUE - DAYTON, KY 41074
P (859) 491-1600 - F (859) 491-3538
OWNER

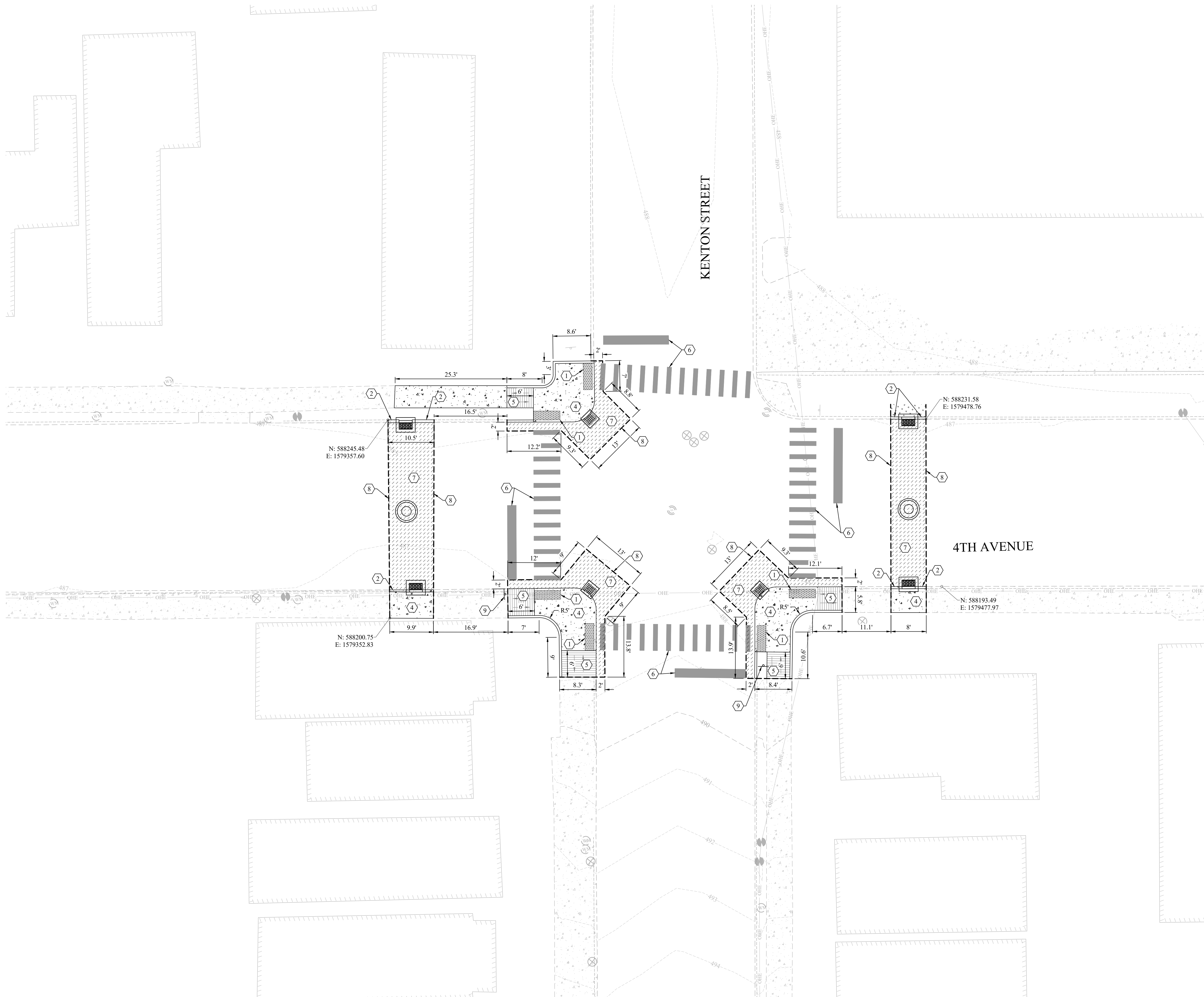
PROJECT NO.:
21391
DATE:
MAY 2022
DRAWN BY:
A/JG
CHECKED BY:
JM

DESCRIPTION OF REVISION

SITE GRADING & DRAINAGE PLAN

SHEET NO.

CE 1



SITE PLAN LEGEND

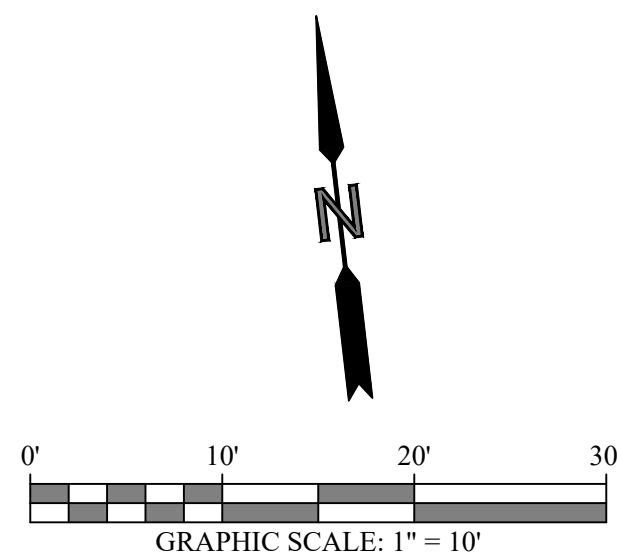
- EDGE KEY, SEE SITE DETAILS
- EXISTING CONCRETE TO REMAIN
- EXISTING LANDSCAPE AREA
- PROPOSED LANDSCAPE AREA
- PROPOSED ASPHALT SURFACE*
- PROPOSED CONCRETE SURFACE

* Refer to trenching and backfill detail on Site Details.

SITE PLAN KEYNOTES

- *All keynotes may not be used on this sheet.
- **See Construction Notes sheet for additional notes.

- Detectable warning, see Site Details.
- Install header curb, see Site Details.
- Relocated stop sign.
- Concrete walk, see Site Details.
- Accessible ramp not to exceed 8% slope.
- Proposed pavement markings. Not included in this contract. For reference only.
- Proposed asphalt surface. Match existing pavement section thickness.
- Edge Key, see Site Details.
- Relocated stop sign.



PRIMEA
2101 CHAMBER CENTER DR
FT MITCHELL, KY 41017
PHONE (859) 912-1920

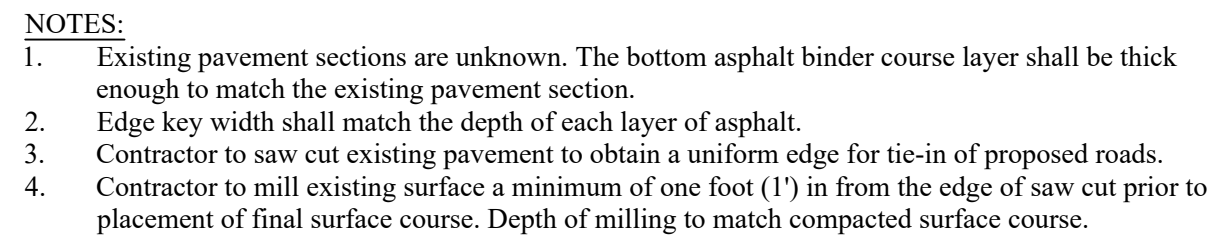
PROJECT: 4TH & KENTON
DRAINAGE & SIDEWALK IMPROVEMENTS
4TH & KENTON - DAYTON, KY 41074
CAMPBELL COUNTY, KENTUCKY
CITY OF DAYTON
514 56TH AVENUE - DAYTON, KY 41074
P (859) 491-1600 - F (859) 491-3538
OWNER

PROJECT NO.: 21391
DATE: MAY 2022
DRAWN BY: AJG
CHECKED BY: JM

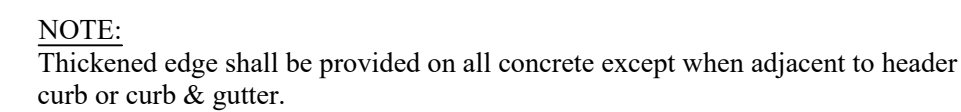
DESCRIPTION OF REVISION

PROPOSED SITE PLAN

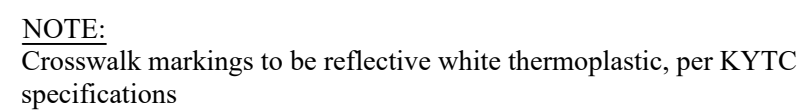
SHEET NO.
CE2



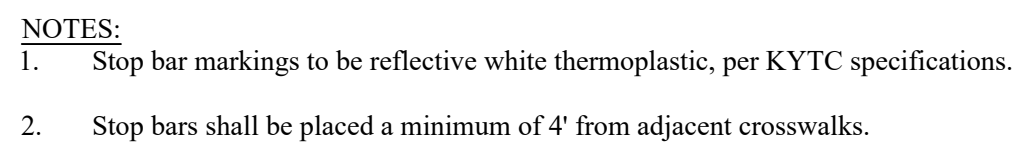
SCALE: NOT TO SCALE



SCALE: NOT TO SCALE



SCALE: NOT TO SCALE



SCALE: NOT TO SCALE



4TH & KENTON
DRAINAGE & SIDEWALK IMPROVEMENTS
4TH & KENTON - DAYTON, KY 41074
CAMPBELL COUNTY, KENTUCKY
CITY OF DAYTON
514 SIXTH AVENUE - DAYTON, KY 41074
P (859) 491-1600 - F (859) 491-3538
OWNER

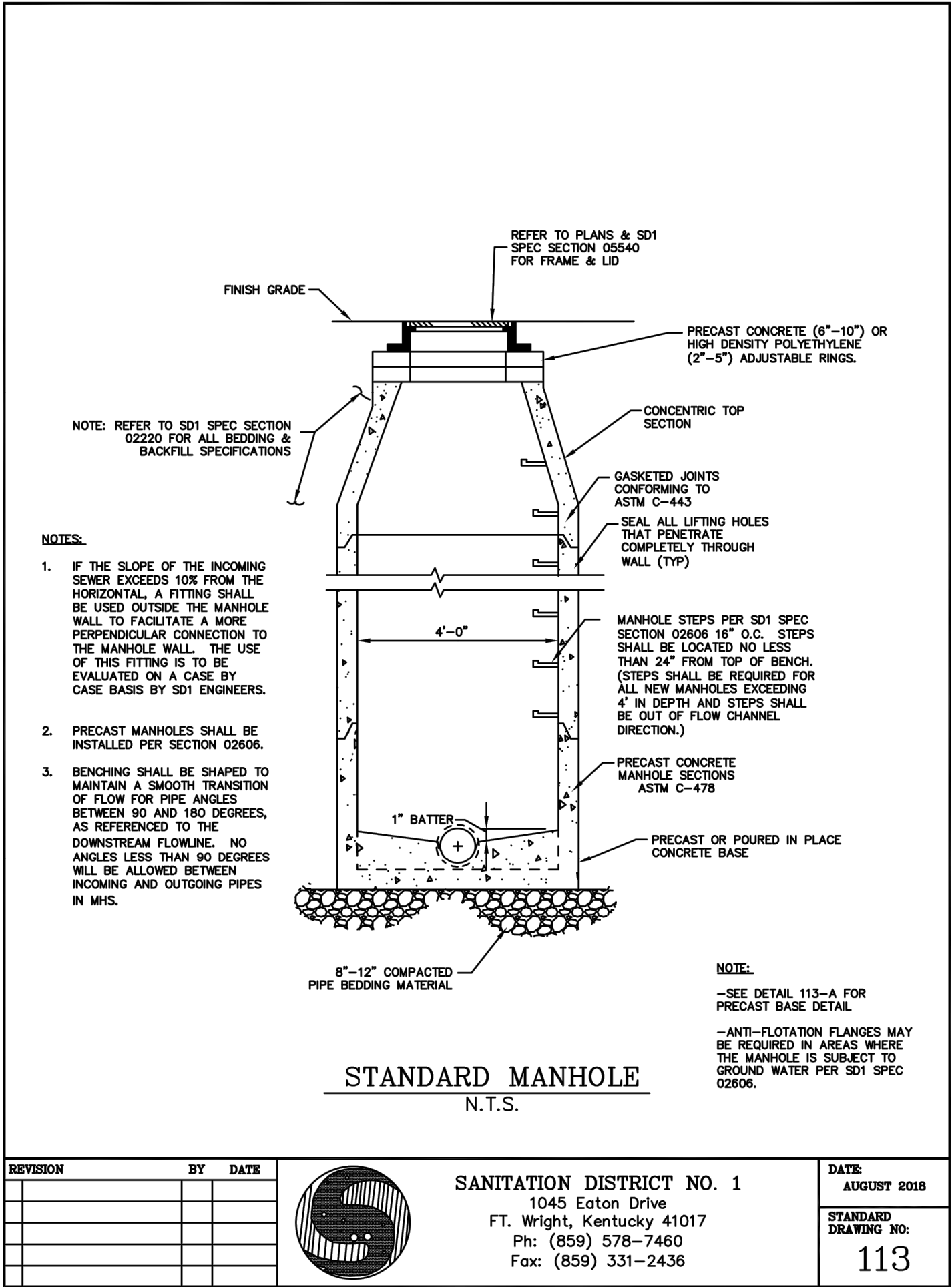
21391
DATE: MAY 2022
DRAWN BY: AJG
CHECKED BY: JM

DESCRIPTION OF REVISION

SITE DETAILS

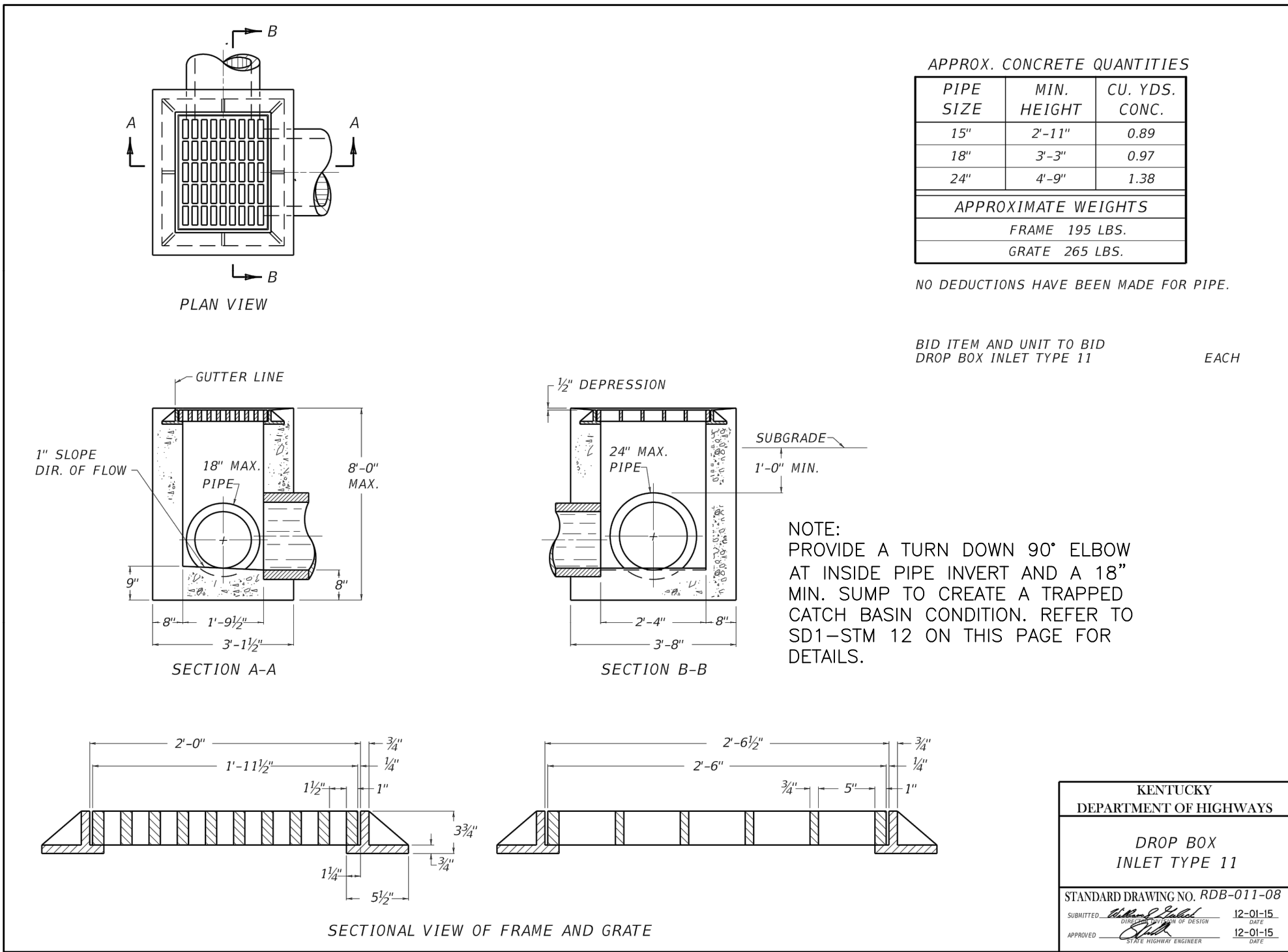
SHEET No.

SD 1



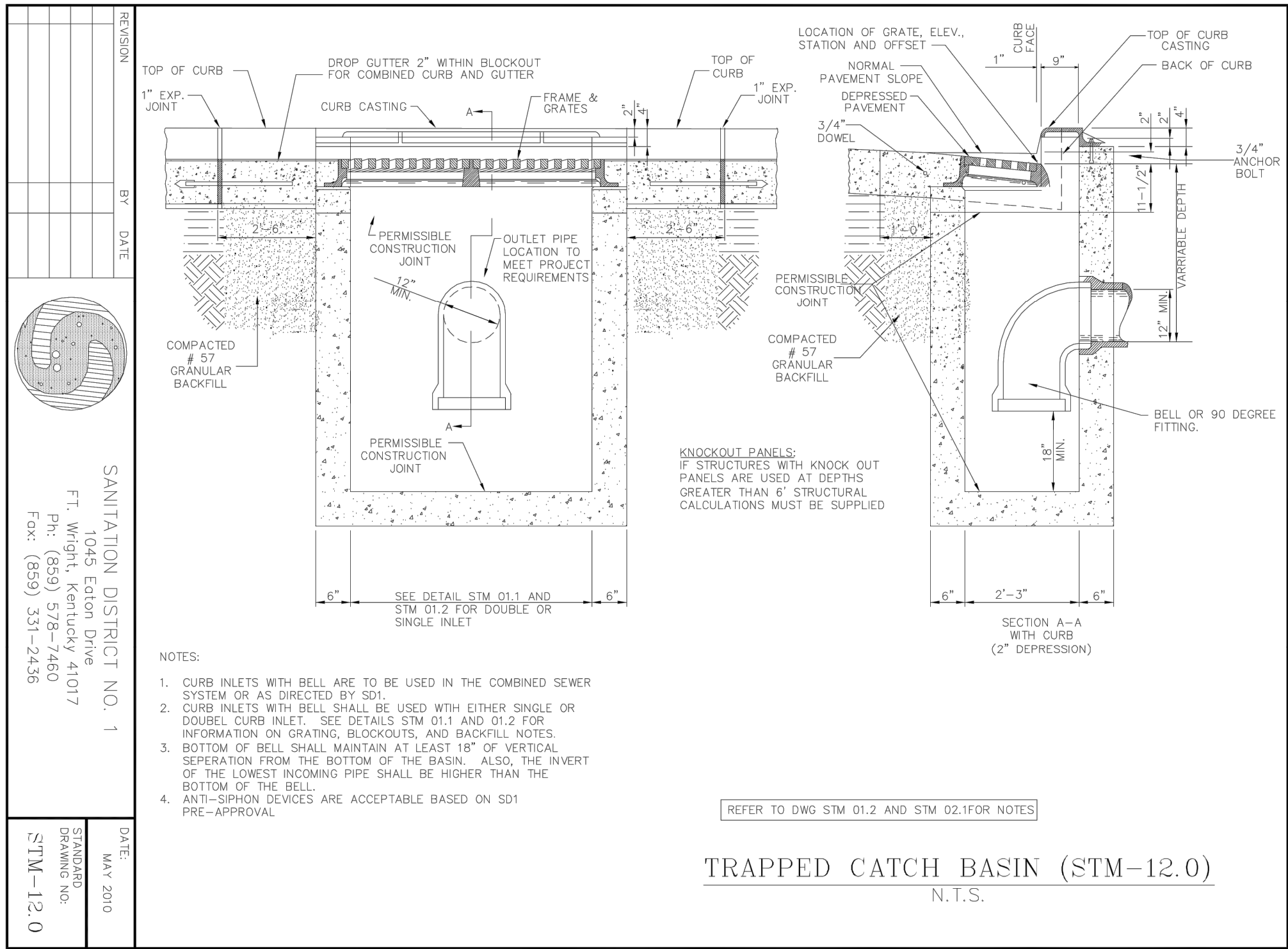
STANDARD MANHOLE

SCALE: NOT TO SCALE



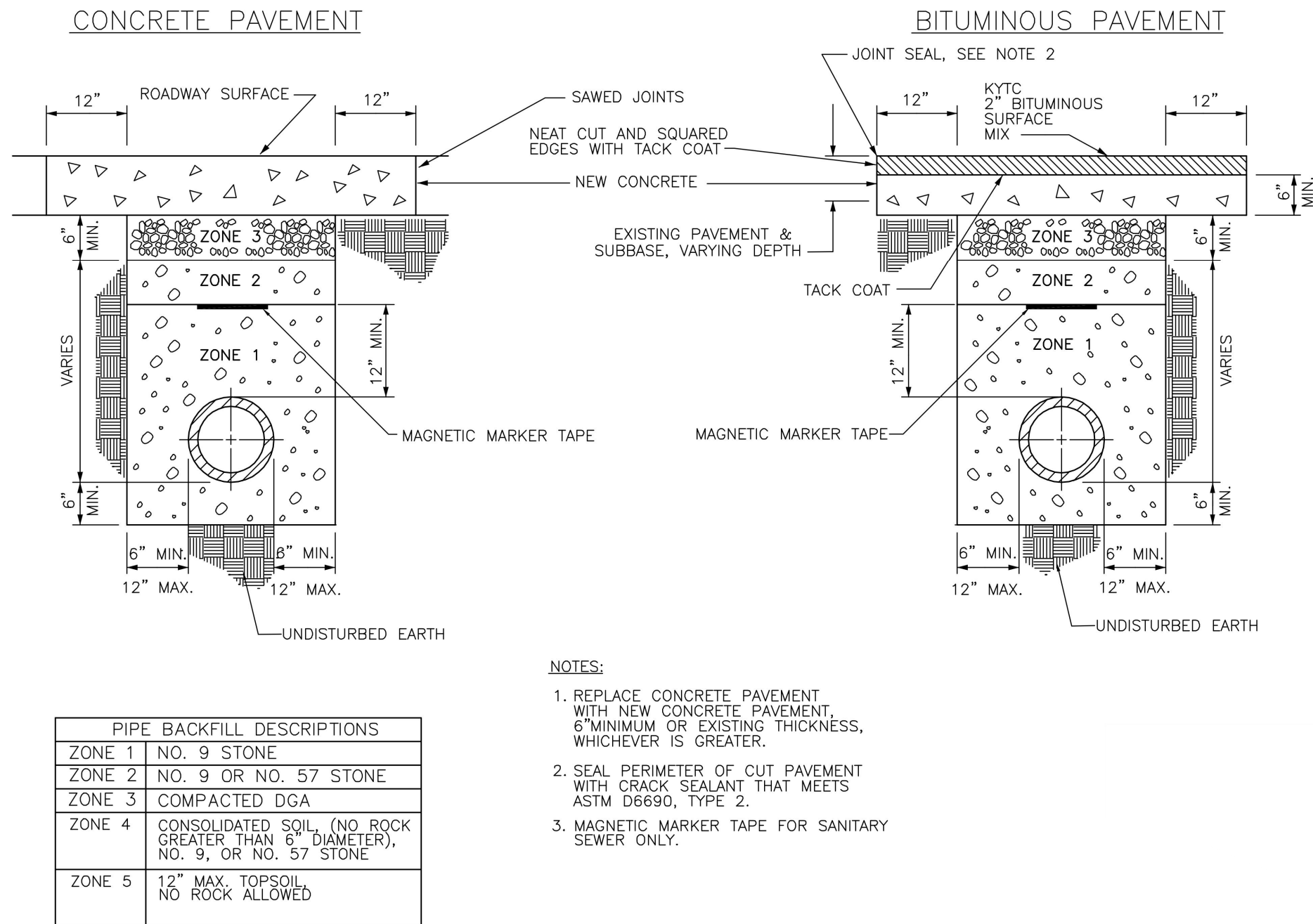
KYTC - DROP BOX INLET TYPE 11

SCALE: NOT TO SCALE



TRAPPED CATCH BASIN

SCALE: NOT TO SCALE



TRENCHING, LAYING, BACKFILLING & BEDDING DETAIL

SCALE: NOT TO SCALE

PROJECT

4TH & KENTON

DRAINAGE & SIDEWALK IMPROVEMENTS

4TH & KENTON - DAYTON, KY 41074

CAMPBELL COUNTY, KENTUCKY

PROJECT NO.:

21391

DATE:

MAY 2022

DRAWN BY:

AUG

CHECKED BY:

JM

DESCRIPTION OF REVISION

SITE DETAILS

SHEET NO.

SD2