

# HAWKS POINTE PLAT 5

## HAWKS POINTE TRAIL ROSCOE, IL 61073



PROJECT NAME  
OWNER'S NAME

**HAWKS POINTE  
PLAT 5**

HAWKS POINTE TRAIL  
ROSCOE, IL 61073  
WINNEBAGO COUNTY

WHITE OAK TRUST  
1020 BENBROOK DRIVE  
LOVES PARK, IL 61111  
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CONSULTANTS

| ISSUED FOR         | DATE       |
|--------------------|------------|
| 1. AGENCY REVIEW   | 08-03-2022 |
| 2. AGENCY APPROVAL | 09-29-2022 |
| 3. AGENCY APPROVAL | 10-06-2022 |
| 4. AGENCY APPROVAL | 11-16-2022 |
| 5. --              | --         |
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| REVISIONS | DATE |
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| 1. --     | --   |
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SHEET TITLE

**COVER SHEET**

|         |     |
|---------|-----|
| DRAWN   | MJH |
| CHECKED | JSL |
| PM      | JSL |

PROJECT NUMBER  
SHEET NUMBER

**22012**

**C00**

### GENERAL NOTES

- The designs represented in these plans are in accordance with established practices of civil engineering for the design functions and uses intended by the owner at this time. Neither the engineer nor its personnel can or do warrant these designs or plans as constructed except in the specific cases where the engineer inspects and controls the physical construction on a contemporary basis at the site.
- The contractor, by agreeing to perform the work, agrees to indemnify and hold harmless the owner, the engineer, the city, and all agents and assigns of those parties, from all suits and claims arising out of the performance of said work, and further agrees to defend or otherwise pay all legal fees arising out of the defense of said parties.
- In accordance with generally accepted construction practices, the contractor shall be solely and completely responsible for conditions of the job site, including safety of all persons and property during performance of the work. This requirement will apply continuously and not be limited to normal working hours. Any construction observation by the engineer of the contractor's performance is not intended to include review of the adequacy of the contractor's safety measures, in, or near the construction site. The contractor is responsible for maintaining adequate signs, barricades, fencing, traffic control devices and measures, and all other measures that are necessary to protect the safety of the site at all times.
- Maintain access for vehicular and pedestrian traffic as required for other construction activities. Use traffic control devices to include temporary striping, flagmen, barricades, warning signs, and warning lights shall be in accordance with current MUTCD and IDOT standards.
- All phases of the site work for this project shall meet or exceed industry standards and requirements set forth by the Village of Roscoe, the State of Illinois, and this plan set.
- The Village of Roscoe must be notified at least two (2) working days prior to the commencement or resumption of any work.
- The contractor shall coordinate all permit and inspection requirements with responsible local, state, and federal agencies. The contractor shall include the costs of this coordination and all inspection fees in the bid price.
- All work performed by the contractor shall come with a warranty against defects in workmanship and materials. This warranty period shall run concurrent with the required warranty periods the owner must provide to each local government agency, as a condition of the permit.
- The contractor will be held solely responsible for and shall take precautions necessary to avoid property damage to adjacent properties during the construction of this project.
- All structures, inlets, pipes, swales, roads and public egresses must be kept clean and free of dirt and debris at all times.
- Any field tiles encountered during construction shall be recorded showing size, location, and depth by the contractor, and either reconnected and rerouted or connected to the storm sewer system. The owner and village shall be notified immediately upon encountering any tile. Village approval required prior to connection to storm system.
- The contractor shall field verify the elevations of the benchmarks prior to commencing work. The contractor shall also field verify the location and elevation of existing pipe inverts, curb or pavement where matching into existing work. The contractor shall field verify horizontal control by referencing property corners to known property lines. Notify the engineer of discrepancies in either vertical or horizontal control prior to proceeding.
- All elevations are on WinGIS Datum, using monument #38 (WIN 18.1 N, 07.1 E)
- Parking areas designated as A.D.A. and all sidewalk shall be compliant with state and local A.D.A. requirements.
- Tactile warning plates per IDOT specifications shall be placed at all locations where sidewalk that is to be replaced intersects public roads and at locations indicated in this plan set.
- The contractor shall verify the location of all utilities in the field prior to construction. This includes sanitary sewer, water main, storm sewer, General Telephone, Commonwealth Edison, Northern Illinois Gas and cable television, if any. The J.U.L.I.E. number is 1-800-892-0123.
- Property corners shall be carefully protected until they have been referenced by a Professional Land Surveyor.
- The contractor shall keep careful measurements and records of all construction and shall furnish the Engineer, the Owner and the City with record drawings in a digital format compatible with AutoCAD Release 14 upon completion of his work.
- Any excess dirt or materials shall be placed by the contractor onsite at the owner's direction or as indicated on the plans.
- Notify the owner and Village of Roscoe of any existing wells. Obtain permit from the Illinois Bureau of Minerals and the State Water Survey. Cap and abandon wells in accordance with local, state, and federal regulations.
- Finish grade shall in all areas not specifically reserved for storm water management shall drain freely. No ponding shall occur. Tolerances to be observed will be measured to the nearest 0.04 of a foot for paved surfaces and 0.10 of a foot for unpaved areas.

### VICINITY MAP



DIAL 811 OR (800) 892-0123



OWNER:

**WHITE OAK TRUST**

1020 BENBROOK DRIVE  
LOVES PARK, IL 61111  
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ENGINEER:

**ARC DESIGN  
RESOURCES INC.**

5281 ZENITH PARKWAY  
LOVES PARK, IL 61111  
VOICE: (815) 484-4300  
FAX: (815) 484-4303

www.arcdesign.com  
Illinois Design Firm License No. 184-001334

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### APPROVAL

CITY  
COUNTY  
STATE

### DATE

PENDING  
PENDING  
PENDING

### UTILITY OFFICIALS

#### PUBLIC WORKS DEPARTMENT:

VILLAGE OF ROSCOE  
5402 SWANSON ROAD  
ROSCOE, IL 61073  
WADE KRETSINGER  
SUPERVISOR  
(815) 877-0746

#### WATER DEPARTMENT:

NORTH PARK PUBLIC WATER DEPARTMENT  
1350 TURRET DRIVE  
MAGNESNEY PARK, IL 61115  
(815) 633-5461

#### SEWER DISTRICT:

FOUR RIVERS SANITATION AUTHORITY  
3501 KISHWAUKEE STREET  
ROCKFORD, IL 61109  
CHRISTOPHER T. BAER, P.E.  
DIRECTOR OF ENGINEERING  
(815) 387-7660

#### CABLE TELEVISION:

COMCAST  
4450 KISHWAUKEE STREET  
ROCKFORD, IL 61101  
THOMAS YUCCAS  
(815) 395-8977

#### TELEPHONE:

AT&T MIDWEST  
2404 8TH AVENUE  
ROCKFORD, IL 61108  
HECTOR GARCIA  
(630) 639-8372

#### GAS:

NICOR GAS  
1844 FERRY ROAD  
NAPERVILLE, IL 60563  
(708) 878-1242

#### ELECTRIC:

COM ED  
123 ENERGY DRIVE  
ROCKFORD, IL 61109  
(815) 490-2335



## STORM SEWER NOTES

- Storm sewer shall be constructed in accordance with the following:
  - Standard Specifications for Water and Sewer Main Construction in Illinois (Standard Specifications), Seventh Edition dated 2014 (and all revisions and supplements thereto)
  - Standards and requirements of Village of Roscoe.
  - Additional details and requirements provided in the contract documents, including this plan set.
- Where criteria of the aforementioned specifications conflict, the more stringent criteria shall be implemented.
- All storm sewer pipe shall be reinforced concrete pipe unless otherwise specified in this plan set.
- All storm sewer system elements shall conform to the following specifications:
  - Storm pipe
    - Sump pump service connection and storm sewer extension (4" and 6")
      - ABS pipe shall be in accordance with ASTM D2751.
      - SDR 35 PVC pipe shall be in accordance with ASTM D3034.
    - Concrete sewer pipe (10" diameter and smaller) shall be Class III (minimum) in accordance with ASTM C14.
    - Reinforced circular concrete pipe (12" diameter and larger) shall be Class III (minimum), wall B, in accordance with ASTM C78.
    - Reinforced concrete arch culvert pipe shall be double-lined reinforced, Class III (minimum) in accordance with ASTM C506.
    - Reinforced concrete elliptical culvert pipe shall be Class HE-III or VE-III (minimum) in accordance with ASTM C507.
    - Underdrain pipe (4" and 6") shall be SDR 35 PVC pipe in accordance with ASTM D2729.
    - Galvanized corrugated steel culvert pipe shall be type B, with a minimum wall thickness of 14 gauge per AASHTO M246 (shall only be used for culverts).
  - Joints for storm pipe:
    - ABS pipe joints shall be in accordance with ASTM D2235.
    - PVC pipe joints shall be in accordance with ASTM 3121 (push-on type), except underdrain pipe, which shall have solvent welded joints.
  - Casing Pipes
    - 1/4" thick steel in accordance with ASTM A252, grade 2, or ASTM A139, grade B, or approved equal having a minimum yield strength of 35,000 psi.
  - Manholes and Catch Basins
    - Manholes and catch basins shall be precast reinforced concrete in accordance with ASTM C478.
    - Manholes and catch basins shall be sized as follows:
      - For sewers eighteen inches in diameter or less, manholes shall have a forty-eight inch inside diameter.
      - For sewers twenty-one to thirty-six inches in diameter, manholes shall have a sixty inch inside diameter.
      - For sewers greater than thirty-six inches in diameter, manholes shall have a seventy-two inch inside diameter or as specified in this plan set.
    - Adjusting rings
      - No more than 2 precast concrete adjusting rings shall be allowed.
      - Precast concrete adjusting rings shall have a maximum height of 6 inches.
    - Seals
      - For pipe and frame seals, all pipe connection openings shall be made watertight with hydraulic cement. The hydraulic cement sealing pipe connections shall extend the full thickness of the structure wall. Hydraulic cement shall also be applied within the structure from the cone section, past all adjustment rings, to the frame.
  - All bottom sections shall be monolithically precast including bases and invert flowlines.
- Inlets
  - Inlets shall be precast reinforced concrete in accordance with ASTM C478 and ASTM C443.
  - Inlets shall have a twenty-four inch inside diameter and a maximum depth of four feet.
    - Adjusting rings:
      - No more than 2 precast concrete adjusting rings shall be allowed.
    - Precast concrete adjusting rings shall have a maximum height of 6 inches.
    - Only one pipe connection shall be allowed, and it shall be precast with resilient rubber watertight pipe to manhole sleeves or seals. External flexible watertight sleeves shall also extend from the manhole zone to the manhole frame.
    - Bottom sections: All bottom sections shall be monolithically precast including bases and invert flowlines.
- Castings (Unless otherwise noted within the plans):
  - Unless otherwise specified as a "closed lid", manhole frames and covers shall be as listed below. Close lid frame and covers shall be Neenah R-1916-C embossed "STORM SEWER".
    - Manhole steps shall be Neenah R-1981-N.
    - Six inch curb and gutter inlet shall be Neenah R-3278-A.
    - Yard inlets shall be Neenah R-4340-B.
    - Parking lot inlets shall be Neenah R-2595-A.
  - Crushed Granular Bedding shall be crushed gravel or crushed stone course aggregate in accordance with ASTM C33 (Size No. 57).
- All end sections 24" and greater shall come equipped safety bars per IDOT detail Standard 542411.
- Inspect pipe for defects and cracks before being lowered into the trench, piece by piece. Remove and replace defective, damaged or unround pipe or pipe that has had its grade disturbed after laying. Protect open ends with a stopper to prevent earth or other material from entering the pipe during construction. Remove dirt, excess water, and other foreign materials from the interior of the pipe during the pipe laying progress.
- Install pipe in accordance with manufacturer's written recommendations.
- Commence installation at the lowest point for each segment of the route. Lay RCP with the groove or bell end up-stream.
- Lay pipe to the required line and slope gradients with the necessary fittings, bends, manhole, risers and other appurtenances placed at the required location as noted on Drawings.
- All storm sewers under and within two feet of any existing or proposed pavement shall be backfilled with granular backfill material IDOT gradation FA-6 or approved equal (Grade B or Grade 9).
- Compact backfill to 98 percent of maximum density in accordance with ASTM D698, (or 95 percent of maximum density, in accordance with ASTM D1557) obtained at optimum moisture as determined by AASHTO T180.
- Do not backfill trenches until required tests are performed and utility systems comply with and are accepted by applicable governing authorities.
- Backfill trenches to contours and elevations shown on the drawings.

## SANITARY SEWER NOTES [FRSA]

- Sanitary sewer notes:
  - The Four Rivers Sanitation Authority (FRSA) shall be notified forty-eight (48) hours before construction of the sanitary sewer can commence. Contact FRSA Survey and Field Operations Mgr. Ben Christensen, cell 815-209-7952. Any sanitary sewer construction performed in the absence of a FRSA inspector will not be accepted.
  - Notice Allowing Connections must be issued by the FRSA before individual service connections will be permitted under the standard FRSA service connection permit process.
  - The permit holder is responsible for the sanitary sewer system workmanship and materials for two (2) years after the FRSA issued Notice Accepting the Sewer, and for the sanitary sewer trench settlement for a period of three (3) years after the completion of the project.
- Sanitary Sewer shall be constructed in accordance with the following:
  - "Standard Specifications for Water and Sewer Main Construction in Illinois" (Standard Specifications), seventh edition dated 2014, and all revisions and supplements thereto.
  - "General Provisions and Technical Specifications for Sanitary Sewer Construction" in the Four Rivers Sanitation Authority (formerly known as the Sanitary District of Rockford) dated October 24, 1983, and all standards and revisions adopted by the Board of Trustees for said Sanitary District of Rockford.
  - Additional details and requirements provided in the contract documents, including this plan set.
- Where criteria of the aforementioned specifications conflict, the more stringent criteria shall be implemented.
- All PVC sanitary sewer (SDR 26 AND SDR 35) shall meet the requirements of ASTM D-3034 (4"-24") or ASTM F-679 (18"-24") with joints in accordance with ASTM D-3212. All PVC watermain-quality sanitary sewer (SDR 26) shall meet the requirements of ASTM D-2241 with joints in accordance with ASTM D-3139. Pipe bedding for all PVC pipe shall be Class 1A in accordance with ASTM D-2321-74.
- Sanitary sewer services shall be 4" PVC/Watermain Quality SDR 26 in accordance with ASTM D-2241, and shall extend 3' past the property line of all lots. Joints between the eye and end of service riser shall be gasketed in accordance with ASTM D-3139. All services shall be sloped from the main at 1% minimum. Mark at property line with a 2x4 painted green. End of service risers are required in accordance with the FRSA standard details included in these plans.
- WYE or TEE branches shall be a minimum 7' from the outside of any sanitary manhole and be furnished and installed by the Contractor as shown on the Engineering drawings.
- All testing, fittings, bedding, granular cradle, and trench backfill where necessary shall be included in the unit costs for the installation of the underground facilities unless quantified on plans.
- PVC pipe should be installed with proper bedding providing uniform longitudinal support under the pipe. Bedding material should be worked under the sides of the pipe to provide satisfactory haunching. Initial bedding material should be placed to a minimum depth of one foot over the top of the pipe. All pipe embedment material should be selected and placed carefully, avoiding large stones, frozen lumps, and debris.
- After placement and compaction of pipe embedment materials, the balance of backfill materials may be machine placed and should contain no large stones or rocks, frozen material or debris. Excavated materials free from topsoil may be used in the final trench depth provided they are placed in 9" lifts loose measured and compacted to not less than 95% ASTM D-958 standard proctor.
- All sanitary sewer manholes shall have eccentric cones with the cone openings centered over the pipe. All manholes shall be guaranteed by the contractor for 3 years after FRSA acceptance.
- All sanitary sewer manholes shall be 48-inch diameter precast concrete, unless shown otherwise.
- The allowable infiltration shall not exceed 200 gallons/inch diameter/mile/24 hours.
- Sanitary sewers shall be air-tested in accordance with FRSA requirements.
- All new sanitary sewer manholes shall be vacuum tested in accordance with ASTM C 1244.
- All sanitary sewers under or within two feet of any existing or proposed street pavement or curb shall be backfilled with IDOT approved granular backfill material. Trench backfill shall be placed in lifts not to exceed 9" compacted to 95% of maximum standard proctor density.
- Four Rivers Sanitation Authority shall be notified 48 hours prior to the start of construction and air testing of sanitary sewers. Water main, water services, and storm sewer must be installed and FRSA notified soon after installation before sanitary sewer testing can be performed.
- Trenches must be backfilled to 2' below subgrade and mains and services must have 5' minimum depth of cover over the top of pipe before sanitary sewer testing can be performed.
- Manhole frames shall be provided with self sealing lids, FRSA Logo, Neenah 1670-2004 /0358 only.
- Upon completion of construction, all sanitary manhole castings shall be exposed and set to final grade.
- Exterior manhole seals shall be required on all new manholes including the barrel sections.
- Deflection testing for flexible conduit.
  - All sanitary sewer lines shall be deflection-tested after 30 days following final backfill operations.
  - If the deflection test is to be run using a rigid ball or mandrel, it shall have a diameter equal to 95% of the base diameter of the pipe as established in proposed ASTM D-3034. The test shall be performed without mechanical pulling devices.
  - Whenever possible and practical, the testing shall initiate at the downstream lines and proceed towards the upstream lines.
  - Maximum allowable pipe deflection is 5%. Where deflection is found to be in excess of 5% of the original pipe diameter, the Contractor shall excavate to the point of excess deflection and carefully compact around the point excess deflection was found. The line shall then be retested for deflection. However, should after the initial testing the deflected pipe fail to return to the original size (inside diameter) the line shall be replaced.
- Proposed sanitary sewers shall be separated at least 10' from existing and proposed water mains, water services, storm structures and storm sewers measured from outside edge to outside edge. The top of proposed sanitary sewers shall be at least 18" below the bottom of existing and proposed water mains and storm sewers. When sanitary sewer crosses over water main or storm sewer, the bottom of the sanitary sewer shall be at least 18" above the top of water main or storm sewer.
- Where sanitary sewer depths exceed 12' the contractor shall use the Alternate Service Riser method to install the sewer service line so that the invert of the service, at the property line, is 10.5' below the proposed centerline grade.
- Upon completion of construction all sanitary manhole castings shall be exposed and set to final grade. FRSA must inspect this work.
- Exterior manhole seals will be required as part of manhole adjustments. Flattop manholes are not permitted. No adjusting rings are required outside a paved roadway or in a roadway with curb and gutter. All manholes adjusted or reconstructed where more than two rings are involved will require vacuum testing.
- The Four Rivers Sanitation Authority will furnish a full-time inspector for all sanitary work.
- All fill material in the area of sanitary sewer mains and services must be placed and compacted prior to installation of the sewer mains and services.
- The Four Rivers Sanitation Authority specifies the following for manhole adjustment requirements:
  - A minimum of 4" of adjusting rings (4" adjusting ring not required in turf areas or in full curb and gutter roadways)
  - A maximum of 12" of adjusting rings
  - A maximum of 1" of 12" adjusting ring per manhole.
  - A maximum of 30" from the top of casing to the first step.
- Notes: Adjustment by grouting is not permitted. Where the roadway agency of jurisdiction allows, rubber adjusting rings shall be used.
- Labeled pipe lengths are from center of manhole to center of manhole.
- The length of the public sewer shall be the distance from the center of the downstream manhole to the center of the upstream manhole. The slope of the public sewer and inverts of the sewer at the manholes shall be based on the distance between the outside faces of the manholes.

Sanitary Sewer Service Connection

- Contractor must complete a standard FRSA Industrial/Commercial (IC) application and submit to FRSA for approval of the sewers shown as part of the building connection permitting process.
- The contractor shall coordinate all FRSA fees associated with this project, the contractor shall pay all application fees, and should be reimbursed by the owner. Contractor shall provide the owner with a written breakdown of all FRSA fees with evidence of payment.
- FRSA will require inspection of the sewer installation. Contractor shall coordinate this work directly with FRSA. Owner shall pay for all inspection fees.
- All sanitary sewer, manholes, services and other appurtenances shall be installed as required by the FRSA and/or the Village contractor is responsible for familiarizing himself with the specific requirements for materials and construction for these two agencies.
- The Village of Roscoe may also require inspection of the building connections, the contractor shall coordinate all Village inspections with the Roscoe building inspector, if needed.
- Contractor to install 6" services from main to designated point of connection as shown on the plans as part of sewer installation.
- FRSA sanitary sewer service connection permits will not be issued under the Standard FRSA process until after the FRSA has issued a "Notice Allowing Connections".

## SUMMARY OF QUANTITIES

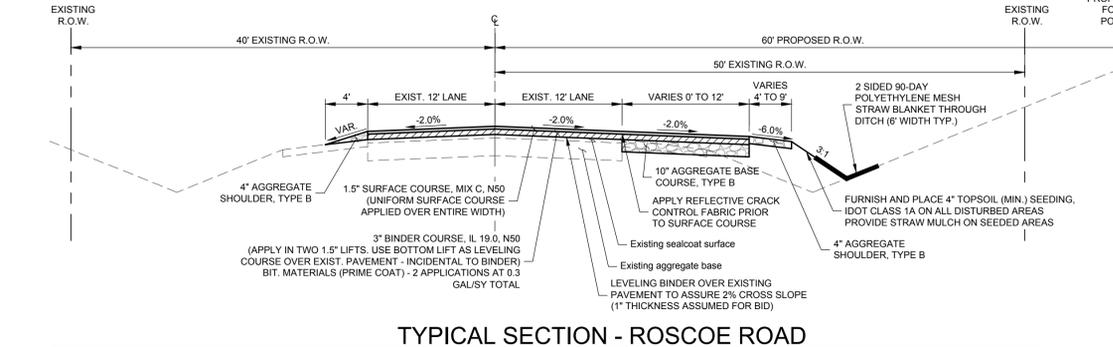
| ITEM  | UNIT  | TOTAL QUANTITY |
|---|-------|----------------|
| EARTH EXCAVATION, CUT TO FILL                 | CU YD | 20489          |
| TOPSOIL EXCAVATION AND PLACEMENT (6" ASSUMED) | CU YD | 3336           |
| TOPSOIL EXCAVATION AND STOCKPILE              | CU YD | 2274           |
| SEEDING, CLASS 1A                             | ACRE  | 1.58           |
| SEEDING, CLASS 3                              | ACRE  | 1.25           |
| SEEDING, CLASS 4B                             | ACRE  | 0.95           |
| NITROGEN FERTILIZER NUTRIENT                  | POUND | 340            |
| PHOSPHORUS FERTILIZER NUTRIENT                | POUND | 340            |
| POTASSIUM FERTILIZER NUTRIENT                 | POUND | 340            |
| EROSION CONTROL BLANKET                       | SQ YD | 9800           |
| INLET AND PIPE PROTECTION                     | EACH  | 20             |
| STONE RIPRAP, CLASS B5                        | SQ YD | 67             |
| FILTER FABRIC FOR RIPRAP                      | SQ YD | 67             |
| STABILIZED CONSTRUCTION ENTRANCE              | SQ YD | 133            |
| CLEARING AND GRUBBING                         | ACRE  | 0.03           |

| ITEM   | UNIT  | TOTAL QUANTITY |
|--|-------|----------------|
| REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL                  | CU YD | 232            |
| ROCK FILL  | CU YD | 232            |
| PAVEMENT REMOVAL   | SQ YD | 151            |
| TREE REMOVAL, 8"   | EACH  | 1              |
| SIGN REMOVAL   | EACH  | 1              |
| CONCRETE BARRICADE REMOVAL                                   | EACH  | 1              |
| AGGREGATE BASE COURSE, TYPE B 10"                            | SQ YD | 3475           |
| BITUMINOUS MATERIALS (TACK COAT)                             | POUND | 541            |
| BITUMINOUS MATERIALS (PRIME COAT)                            | GAL   | 1366           |
| REFLECTIVE CRACK CONTROL                                     | FOOT  | 1330           |
| HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50                  | TON   | 765            |
| HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50         | TON   | 786            |
| LEVELING BINDER  | TON   | 181            |
| AGGREGATE SHOULDERS, TYPE B 4"                               | SQ YD | 1141           |
| COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.18 (MODIFIED) | FOOT  | 1496           |
| TRENCH BACKFILL  | CU YD | 600            |
| PCC SIDEWALK, 4" (BY BUILDER)                                | SQ FT | 7088           |
| AGGREGATE BASE COURSE, TYPE B 4" (BY BUILDER)                | SQ YD | 788            |
| DRIVEWAY APRON IN R.O.W. (2" HMA OVER 8" STONE)              | SQ YD | 476            |
| STOP SIGN, 30" ON WOOD POST                                  | EACH  | 1              |
| PAINT PAVEMENT MARKING - LINE 12"                            | FOOT  | 227            |
| PAINT PAVEMENT MARKING - LINE 8"                             | FOOT  | 146            |
| PAINT PAVEMENT MARKING - LINE 4"                             | FOOT  | 7138           |
| PAINT PAVEMENT MARKING - SYMBOLS                             | SQ FT | 8              |

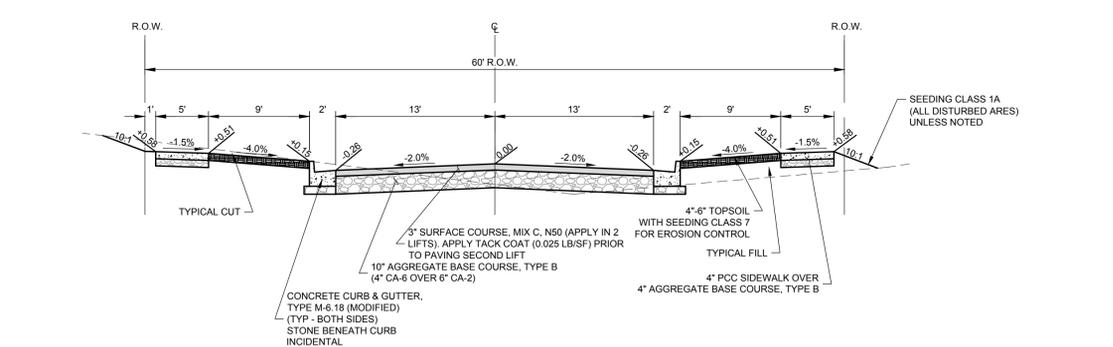
| ITEM  | UNIT | TOTAL QUANTITY |
|---|------|----------------|
| REMOVE CMP CULVERT PIPE 30"                         | FOOT | 68             |
| REMOVE METAL END SECTION 30"                        | EACH | 2              |
| PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12" | EACH | 4              |
| PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" | EACH | 2              |
| PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18" | EACH | 1              |
| PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30" | EACH | 2              |
| PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36" | EACH | 1              |
| 5" PVC PIPE GROUTED IN 12" END SECTION              | FOOT | 3              |
| 6" PVC PIPE GROUTED IN 12" END SECTION              | FOOT | 3              |
| STORM SEWERS, CLASS A, TYPE 1 12"                   | FOOT | 148            |
| STORM SEWERS, CLASS A, TYPE 1 15"                   | FOOT | 146            |
| STORM SEWERS, CLASS A, TYPE 1 15" GASKETED          | FOOT | 85             |
| STORM SEWERS, CLASS A, TYPE 1 18"                   | FOOT | 73             |
| STORM SEWERS, CLASS A, TYPE 1 18" GASKETED          | FOOT | 104            |
| STORM SEWERS, CLASS A, TYPE 1 24"                   | FOOT | 164            |
| STORM SEWERS, CLASS A, TYPE 1 30"                   | FOOT | 215            |
| STORM SEWERS, CLASS A, TYPE 1 30" GASKETED          | FOOT | 146            |
| STORM SEWERS, CLASS A, TYPE 1 36"                   | FOOT | 30             |
| STORM SEWERS, CLASS A, TYPE 1 36" GASKETED          | FOOT | 125            |
| INLETS, TYPE B, TYPE 1 FRAME, OPEN LID              | EACH | 5              |
| INLET 700   | EACH | 1              |
| INLETS, SPECIAL NO. 1                               | EACH | 2              |
| INLETS, SPECIAL NO. 2                               | EACH | 6              |
| MANHOLE TYPE A, 4' DIA. W/ TYPE 1 FRAME OPEN LID    | EACH | 1              |
| MANHOLE TYPE A, 5' DIA. W/ STANDARD CURB BOX        | EACH | 1              |
| CORRUGATED METAL PIPE, 18"                          | FOOT | 72             |
| METAL END SECTION, 18"                              | EACH | 2              |

| ITEM  | UNIT | TOTAL QUANTITY |
|---|------|----------------|
| RELOCATE EXISTING HYDRANT & VALVE BOX ON SAME TEE                 | EACH | 1              |
| ADJUST VALVE BOX  | EACH | 1              |
| REMOVE FLUSHING WHIP & VALVE                                      | EACH | 1              |
| CONNECT TO EX. WATER MAIN W/ 12" X 8" TAPPING SLEEVE, VALVE & BOX | EACH | 1              |
| ZINC COATED D.I. WATER MAIN, 8"                                   | FOOT | 169            |
| HDPE WATER SERVICE LINE 2"  | FOOT | 217            |
| CORPORATION STOPS 2"  | EACH | 7              |
| DOMESTIC WATER SERVICE BOX, 2"                                    | EACH | 7              |
| 45-DEGREE BEND, 8"  | EACH | 4              |
| WATER MAIN PROTECTION SLEEVE, 16"                                 | FOOT | 22             |
| 2" KUPFERLE MAIN GUARD #77 HYDRANT W/ 8" X 2" MJ TAPPED PLUG      | EACH | 1              |

| ITEM                                      | UNIT | TOTAL QUANTITY |
|---|------|----------------|
| REMOVE SANITARY MANHOLE                   | EACH | 1              |
| REMOVE SANITARY SEWER, 8"                 | FOOT | 17             |
| RECONSTRUCT SANITARY MANHOLE              | EACH | 5              |
| 4' DIA. SANITARY MANHOLE                  | EACH | 2              |
| PVC SDR-26 WMQ / ASTM D-2241 SANITARY, 6" | FOOT | 198            |
| PVC SDR-26 WMQ / ASTM D-2241 SANITARY, 8" | FOOT | 17             |
| PVC SDR 35 / ASTM D-3034 SANITARY, 8"     | FOOT | 147            |
| SANITARY CLEANOUTS                        | EACH | 7              |



TYPICAL SECTION - ROSCOE ROAD



TYPICAL SECTION - HAWKS POINTE TRAIL & SPARROW LANE

**ARC DESIGN RESOURCES INC.**

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

PROJECT NAME  
OWNER'S NAME

**HAWKS POINTE PLAT 5**

HAWKS POINTE TRAIL  
ROSCOE, IL 61073  
WINNEBAGO COUNTY

WHITE OAK TRUST  
1020 BENBROOK DRIVE  
LOVES PARK, IL 61111  
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CONSULTANTS

ISSUED FOR

| 1. AGENCY REVIEW   | DATE       |
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SHEET TITLE

**GENERAL NOTES, TYPICAL SECTIONS & SUMMARY OF QUANTITIES**

|         |     |
|---------|-----|
| DRAWN   | MJH |
| CHECKED | JSL |
| PM      | JSL |

PROJECT NUMBER  
SHEET NUMBER

**22012**

**C02**

PROJECT NAME  
OWNER'S NAME

**HAWKS POINTE  
PLAT 5**

HAWKS POINTE TRAIL  
ROSCOE, IL 61073  
WINNEBAGO COUNTY

WHITE OAK TRUST  
1020 BENBROOK DRIVE  
LOVES PARK, IL 61111

CONSULTANTS

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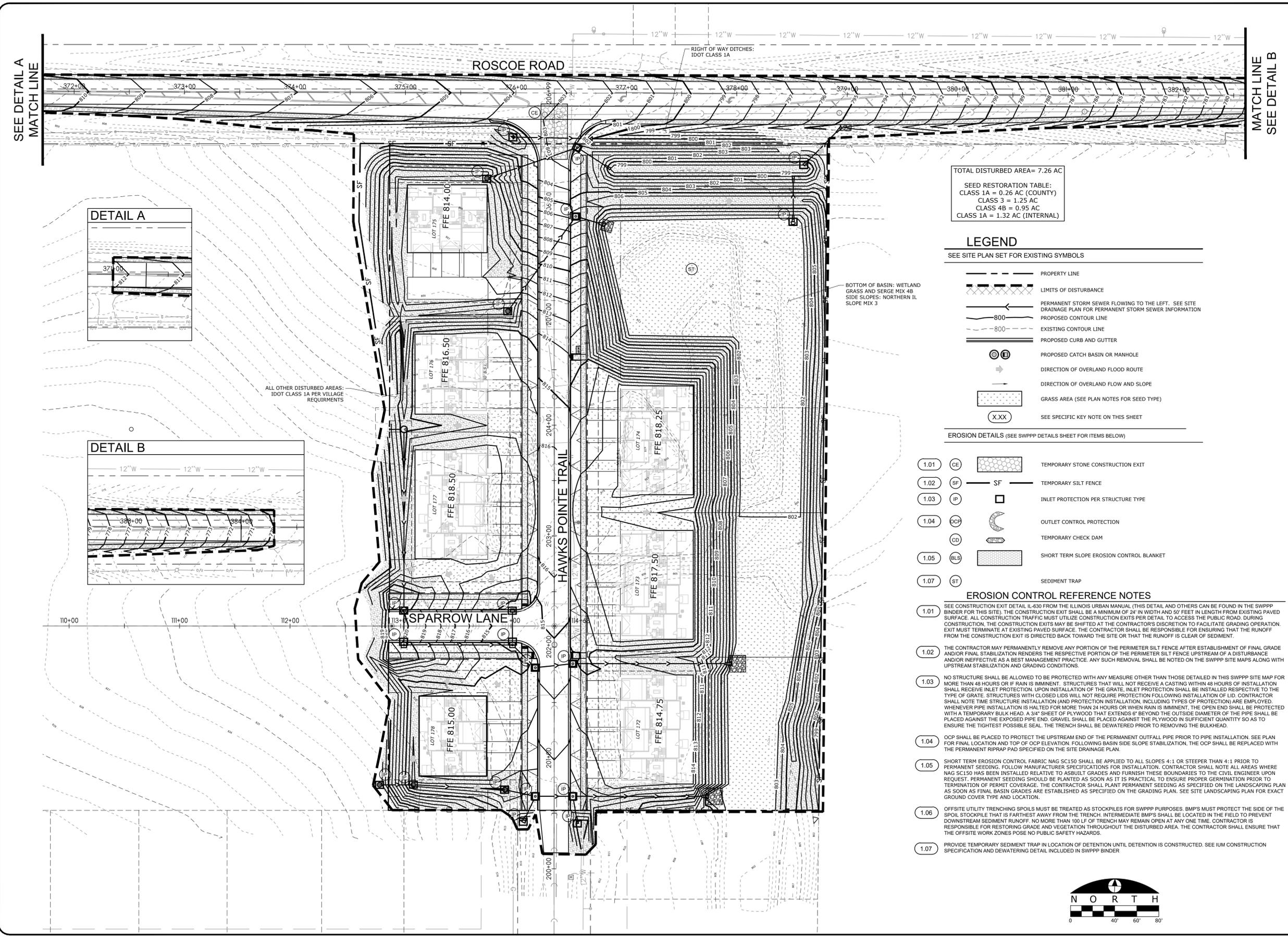
SHEET TITLE

**SWPPP SITE MAP**

DRAWN DB  
CHECKED JSL  
PM JSL

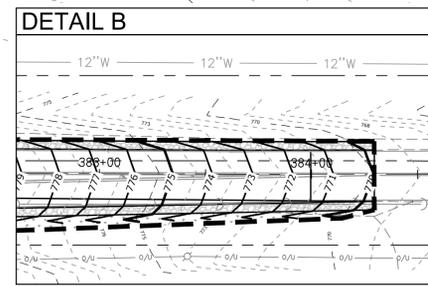
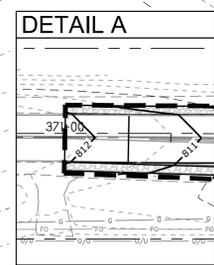
PROJECT NUMBER  
SHEET NUMBER

**22012**  
**C03**



SEE DETAIL A  
MATCH LINE

MATCH LINE  
SEE DETAIL B



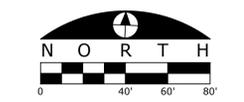
TOTAL DISTURBED AREA = 7.26 AC

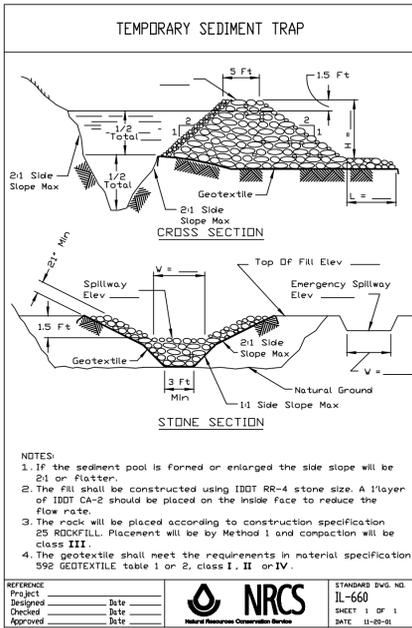
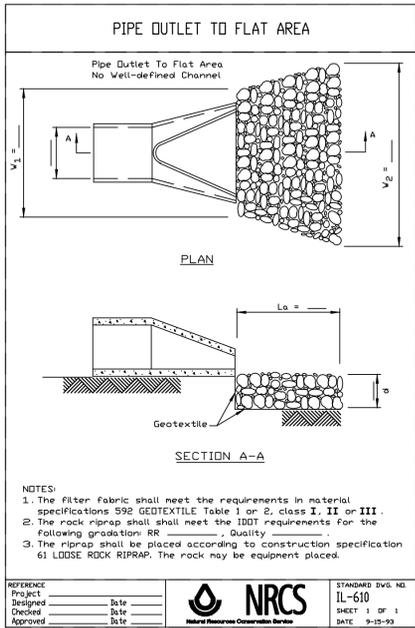
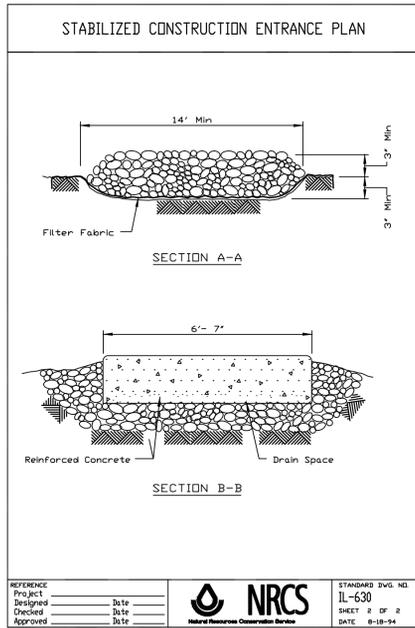
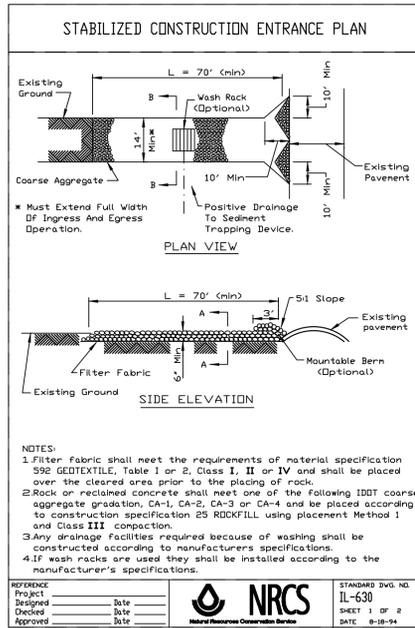
SEED RESTORATION TABLE:  
CLASS 1A = 0.26 AC (COUNTY)  
CLASS 3 = 1.25 AC  
CLASS 4B = 0.95 AC  
CLASS 1A = 1.32 AC (INTERNAL)

- LEGEND**
- SEE SITE PLAN SET FOR EXISTING SYMBOLS
- PROPERTY LINE
  - LIMITS OF DISTURBANCE
  - PERMANENT STORM SEWER FLOWING TO THE LEFT. SEE SITE DRAINAGE PLAN FOR PERMANENT STORM SEWER INFORMATION
  - PROPOSED CONTOUR LINE
  - EXISTING CONTOUR LINE
  - PROPOSED CURB AND GUTTER
  - PROPOSED CATCH BASIN OR MANHOLE
  - DIRECTION OF OVERLAND FLOOD ROUTE
  - DIRECTION OF OVERLAND FLOW AND SLOPE
  - GRASS AREA (SEE PLAN NOTES FOR SEED TYPE)
  - SEE SPECIFIC KEY NOTE ON THIS SHEET

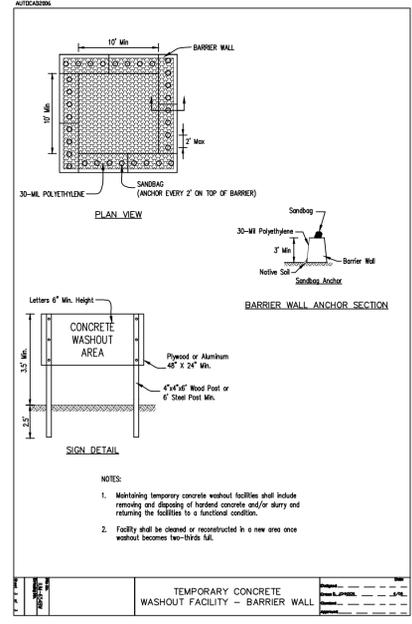
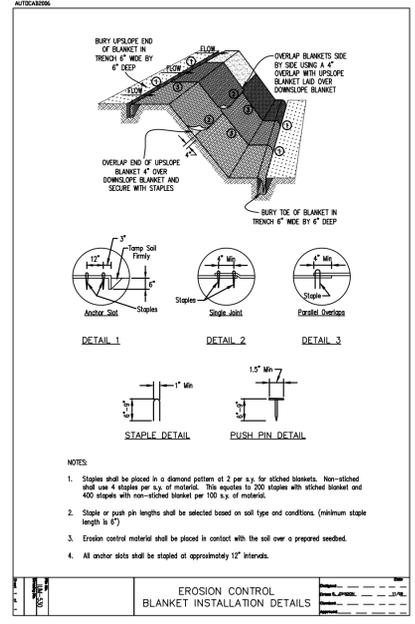
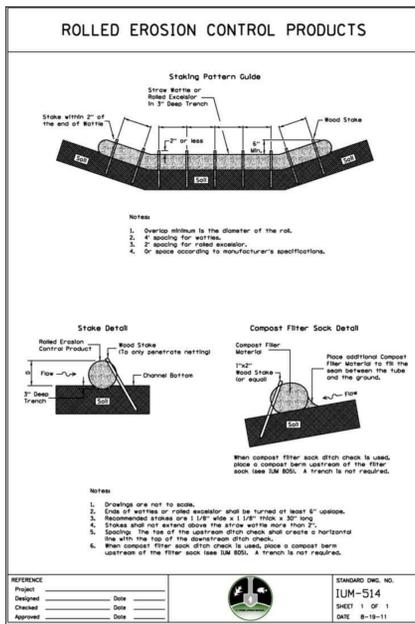
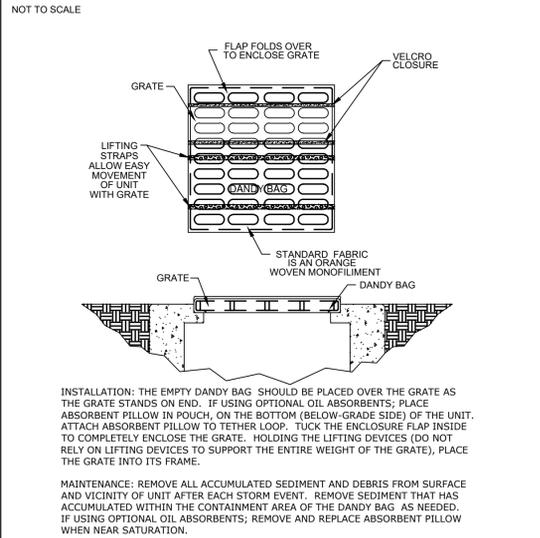
- EROSION DETAILS (SEE SWPPP DETAILS SHEET FOR ITEMS BELOW)**
- 1.01 TEMPORARY STONE CONSTRUCTION EXIT
  - 1.02 TEMPORARY SILT FENCE
  - 1.03 INLET PROTECTION PER STRUCTURE TYPE
  - 1.04 OUTLET CONTROL PROTECTION
  - 1.05 TEMPORARY CHECK DAM
  - 1.06 SHORT TERM SLOPE EROSION CONTROL BLANKET
  - 1.07 SEDIMENT TRAP

- EROSION CONTROL REFERENCE NOTES**
- 1.01 SEE CONSTRUCTION EXIT DETAIL IL-630 FROM THE ILLINOIS URBAN MANUAL (THIS DETAIL AND OTHERS CAN BE FOUND IN THE SWPPP BINDER FOR THIS SITE). THE CONSTRUCTION EXIT SHALL BE A MINIMUM OF 24" IN WIDTH AND 50' FEET IN LENGTH FROM EXISTING PAVED SURFACE. ALL CONSTRUCTION TRAFFIC MUST UTILIZE CONSTRUCTION EXITS PER DETAIL TO ACCESS THE PUBLIC ROAD. DURING CONSTRUCTION, THE CONSTRUCTION EXITS MAY BE SHIFTED AT THE CONTRACTOR'S DISCRETION TO FACILITATE GRADING OPERATION. EXIT MUST TERMINATE AT EXISTING PAVED SURFACE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE RUNOFF FROM THE CONSTRUCTION EXIT IS DIRECTED BACK TOWARD THE SITE OR THAT THE RUNOFF IS CLEAR OF SEDIMENT.
  - 1.02 THE CONTRACTOR MAY PERMANENTLY REMOVE ANY PORTION OF THE PERIMETER SILT FENCE AFTER ESTABLISHMENT OF FINAL GRADE AND/OR FINAL STABILIZATION RENDERS THE RESPECTIVE PORTION OF THE PERIMETER SILT FENCE UPSTREAM OF A DISTURBANCE AND/OR INEFFECTIVE AS A BEST MANAGEMENT PRACTICE. ANY SUCH REMOVAL SHALL BE NOTED ON THE SWPPP SITE MAPS ALONG WITH UPSTREAM STABILIZATION AND GRADING CONDITIONS.
  - 1.03 NO STRUCTURE SHALL BE ALLOWED TO BE PROTECTED WITH ANY MEASURE OTHER THAN THOSE DETAILED IN THIS SWPPP SITE MAP FOR MORE THAN 48 HOURS OR IF RAIN IS IMMINENT. STRUCTURES THAT WILL NOT RECEIVE A CASTING WITHIN 48 HOURS OF INSTALLATION SHALL RECEIVE INLET PROTECTION. UPON INSTALLATION OF THE GRATE, INLET PROTECTION SHALL BE INSTALLED RESPECTIVE TO THE TYPE OF GRATE. STRUCTURES WITH CLOSED LIDS WILL NOT REQUIRE PROTECTION FOLLOWING INSTALLATION OF LID. CONTRACTOR SHALL NOTE TIME STRUCTURE INSTALLATION (AND PROTECTION INSTALLATION, INCLUDING TYPES OF PROTECTION) ARE EMPLOYED. WHENEVER PIPE INSTALLATION IS HALTED FOR MORE THAN 24 HOURS OR WHEN RAIN IS IMMINENT, THE OPEN END SHALL BE PROTECTED WITH A TEMPORARY BULK HEAD. A 3/4" SHEET OF PLYWOOD THAT EXTENDS 6" BEYOND THE OUTSIDE DIAMETER OF THE PIPE SHALL BE PLACED AGAINST THE EXPOSED PIPE END. GRAVEL SHALL BE PLACED AGAINST THE PLYWOOD IN SUFFICIENT QUANTITY SO AS TO ENSURE THE TIGHTEST POSSIBLE SEAL. THE TRENCH SHALL BE DEWATERED PRIOR TO REMOVING THE BULKHEAD.
  - 1.04 OCP SHALL BE PLACED TO PROTECT THE UPSTREAM END OF THE PERMANENT OUTFALL PIPE PRIOR TO PIPE INSTALLATION. SEE PLAN FOR FINAL LOCATION AND TOP OF OCP ELEVATION. FOLLOWING BASIN SIDE SLOPE STABILIZATION, THE OCP SHALL BE REPLACED WITH THE PERMANENT RIPRAP PAD SPECIFIED ON THE SITE DRAINAGE PLAN.
  - 1.05 SHORT TERM EROSION CONTROL FABRIC MAG SC150 SHALL BE APPLIED TO ALL SLOPES 4:1 OR STEEPER THAN 4:1 PRIOR TO PERMANENT SEEDING. FOLLOW MANUFACTURER SPECIFICATIONS FOR INSTALLATION. CONTRACTOR SHALL NOTE ALL AREAS WHERE MAG SC150 HAS BEEN INSTALLED RELATIVE TO ASBUILT GRADES AND FURNISH THESE BOUNDARIES TO THE CIVIL ENGINEER UPON REQUEST. PERMANENT SEEDING SHOULD BE PLANTED AS SOON AS IT IS PRACTICAL TO ENSURE PROPER GERMINATION PRIOR TO TERMINATION OF PERMIT COVERAGE. THE CONTRACTOR SHALL PLANT PERMANENT SEEDING AS SPECIFIED ON THE LANDSCAPING PLAN AS SOON AS FINAL BASIN GRADES ARE ESTABLISHED AS SPECIFIED ON THE GRADING PLAN. SEE SITE LANDSCAPING PLAN FOR EXACT GROUND COVER TYPE AND LOCATION.
  - 1.06 OFFSITE UTILITY TRENCHING SPOILS MUST BE TREATED AS STOCKPILES FOR SWPPP PURPOSES. BMP'S MUST PROTECT THE SIDE OF THE SPOIL STOCKPILE THAT IS FARTHEST AWAY FROM THE TRENCH. INTERMEDIATE BMP'S SHALL BE LOCATED IN THE FIELD TO PREVENT DOWNSTREAM SEDIMENT RUNOFF. NO MORE THAN 100 LF OF TRENCH MAY REMAIN OPEN AT ANY ONE TIME. CONTRACTOR IS RESPONSIBLE FOR RESTORING GRADE AND VEGETATION THROUGHOUT THE DISTURBED AREA. THE CONTRACTOR SHALL ENSURE THAT THE OFFSITE WORK ZONES POSE NO PUBLIC SAFETY HAZARDS.
  - 1.07 PROVIDE TEMPORARY SEDIMENT TRAP IN LOCATION OF DETENTION UNTIL DETENTION IS CONSTRUCTED. SEE IUM CONSTRUCTION SPECIFICATION AND DEWATERING DETAIL INCLUDED IN SWPPP BINDER

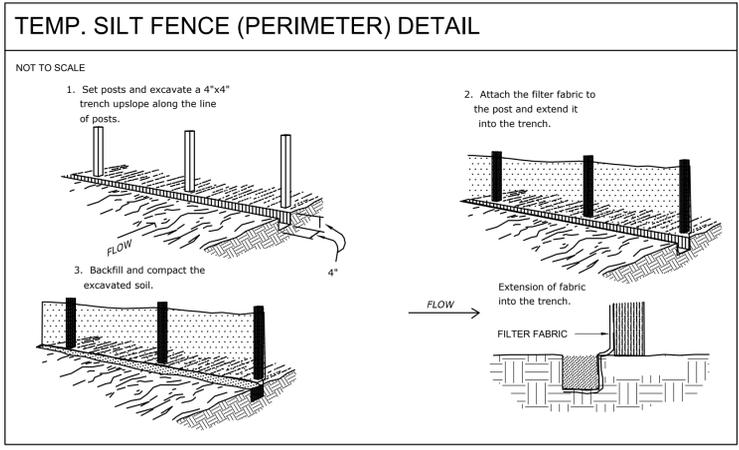
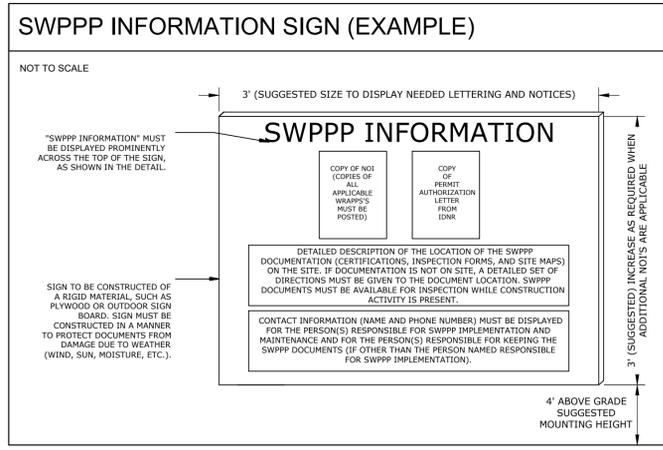
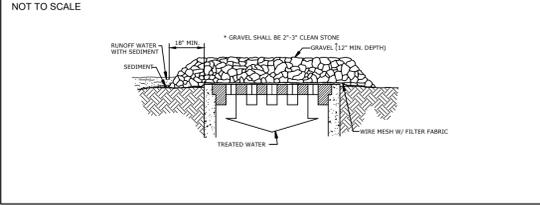




### TEMP. DANDY PRODUCTS, INC. DANDY BAG



### TEMP. GRAVEL AND WIRE MESH INLET SEDIMENT FILTER



**ARC DESIGN RESOURCES INC.**

5281 ZENITH PARKWAY  
 LOVES PARK, IL 61111  
 VOICE: (815) 484-4300  
 FAX: (815) 484-4303

www.arcdesign.com  
 Illinois Design Firm License No. 184-001334

PROJECT NAME  
 OWNER'S NAME

**HAWKS POINTE PLAT 5**

HAWKS POINTE TRAIL  
 ROSCOE, IL 61073  
 WINNEBAGO COUNTY

WHITE OAK TRUST  
 1020 BENBROOK DRIVE  
 LOVES PARK, IL 61111

CONSULTANTS

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SHEET TITLE

**SWPPP DETAILS**

DRAWN MJH  
 CHECKED JSL  
 PM JSL

PROJECT NUMBER  
 SHEET NUMBER

**22012**

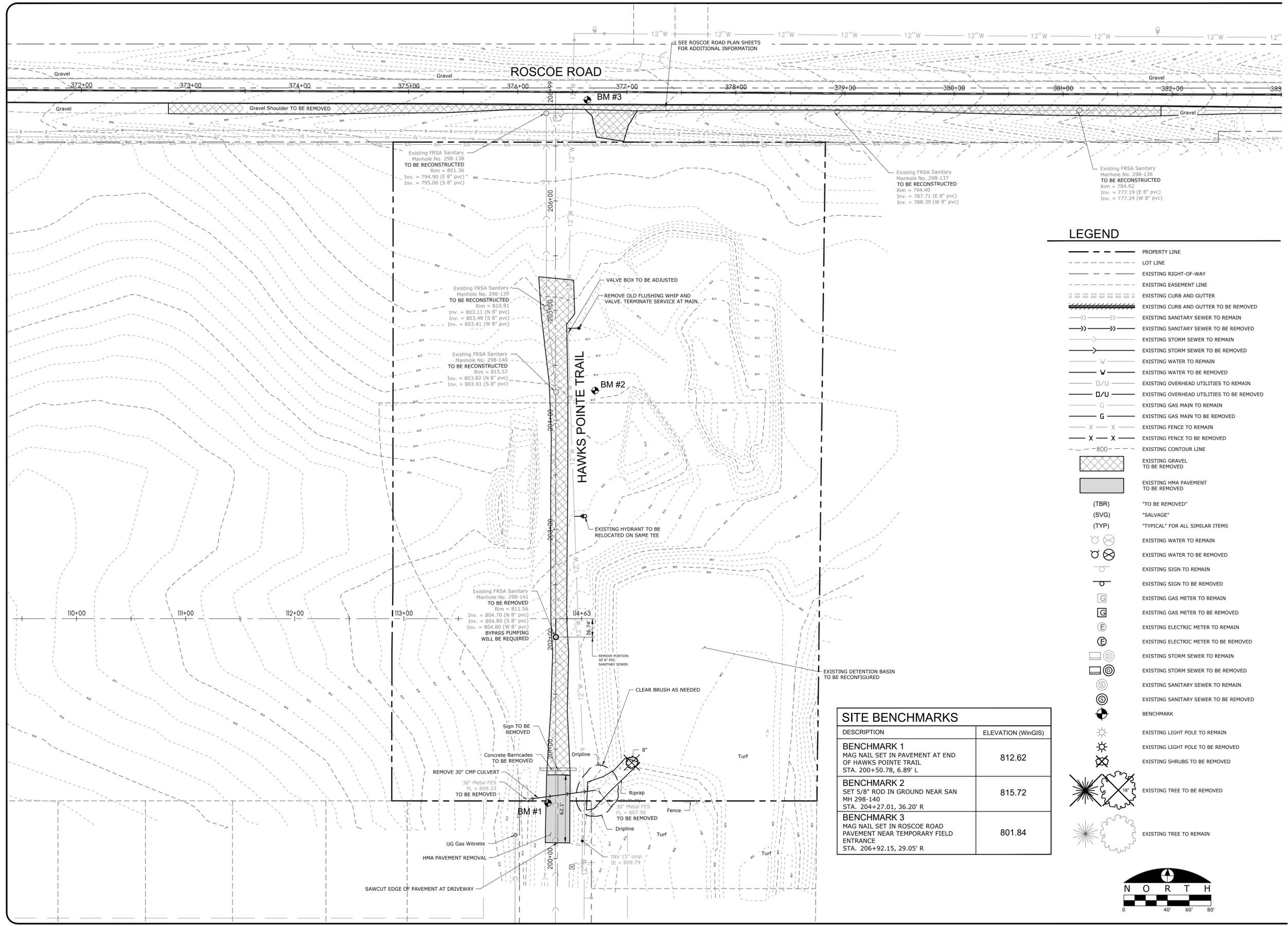
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**LEGEND**

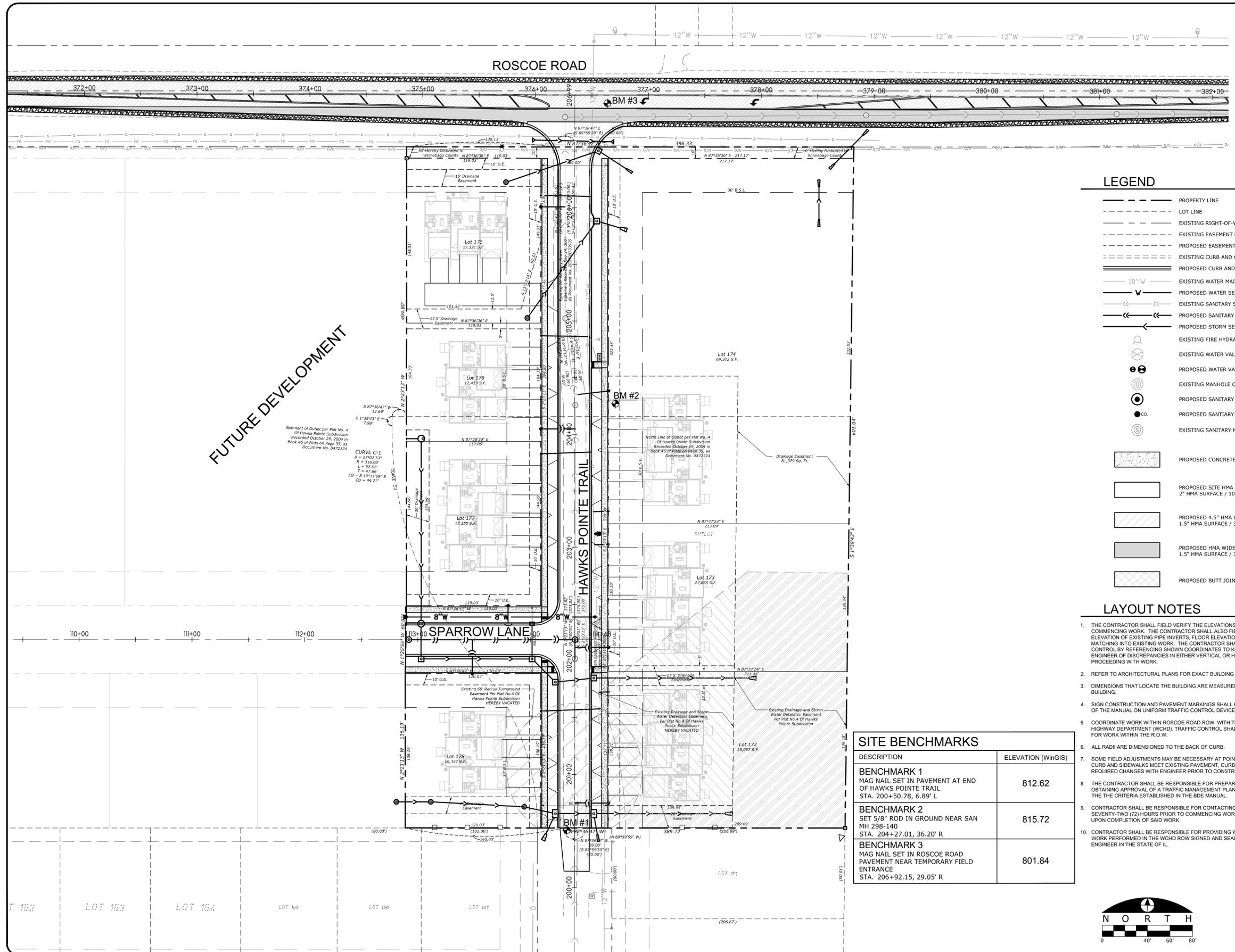
- PROPERTY LINE
- LOT LINE
- EXISTING RIGHT-OF-WAY
- EXISTING EASEMENT LINE
- EXISTING CURB AND GUTTER
- EXISTING CURB AND GUTTER TO BE REMOVED
- EXISTING SANITARY SEWER TO REMAIN
- EXISTING SANITARY SEWER TO BE REMOVED
- EXISTING STORM SEWER TO REMAIN
- EXISTING STORM SEWER TO BE REMOVED
- EXISTING WATER TO REMAIN
- EXISTING WATER TO BE REMOVED
- EXISTING OVERHEAD UTILITIES TO REMAIN
- EXISTING OVERHEAD UTILITIES TO BE REMOVED
- EXISTING GAS MAIN TO REMAIN
- EXISTING GAS MAIN TO BE REMOVED
- EXISTING FENCE TO REMAIN
- EXISTING FENCE TO BE REMOVED
- EXISTING CONTOUR LINE
- EXISTING GRAVEL TO BE REMOVED
- EXISTING HMA PAVEMENT TO BE REMOVED
- (TBR) "TO BE REMOVED"
- (SVG) "SALVAGE"
- (TYP) "TYPICAL" FOR ALL SIMILAR ITEMS
- EXISTING WATER TO REMAIN
- EXISTING WATER TO BE REMOVED
- EXISTING SIGN TO REMAIN
- EXISTING SIGN TO BE REMOVED
- EXISTING GAS METER TO REMAIN
- EXISTING GAS METER TO BE REMOVED
- EXISTING ELECTRIC METER TO REMAIN
- EXISTING ELECTRIC METER TO BE REMOVED
- EXISTING STORM SEWER TO REMAIN
- EXISTING STORM SEWER TO BE REMOVED
- EXISTING SANITARY SEWER TO REMAIN
- EXISTING SANITARY SEWER TO BE REMOVED
- BENCHMARK
- EXISTING LIGHT POLE TO REMAIN
- EXISTING LIGHT POLE TO BE REMOVED
- EXISTING SHRUBS TO BE REMOVED
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO REMAIN

**SITE BENCHMARKS**

| DESCRIPTION   | ELEVATION (WinGIS) |
|---|--------------------|
| <b>BENCHMARK 1</b><br>MAG NAIL SET IN PAVEMENT AT END OF HAWKS POINTE TRAIL STA. 200+50.78, 6.89' L               | 812.62             |
| <b>BENCHMARK 2</b><br>SET 5/8" ROD IN GROUND NEAR SAN MH 298-140 STA. 204+27.01, 36.20' R                         | 815.72             |
| <b>BENCHMARK 3</b><br>MAG NAIL SET IN ROSCOE ROAD PAVEMENT NEAR TEMPORARY FIELD ENTRANCE STA. 206+92.15, 29.05' R | 801.84             |

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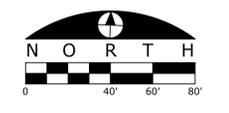
**LEGEND**

- PROPERTY LINE
- LOT LINE
- EXISTING RIGHT-OF-WAY
- EXISTING EASEMENT LINE
- PROPOSED EASEMENT LINE
- EXISTING CURB AND GUTTER
- PROPOSED CURB AND GUTTER
- EXISTING WATER MAIN
- PROPOSED WATER SERVICE
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- EXISTING FIRE HYDRANT ASSEMBLY
- EXISTING WATER VALVE
- PROPOSED WATER VALVE
- EXISTING MANHOLE OR CATCH BASIN
- PROPOSED SANITARY MANHOLE
- PROPOSED SANITARY CLEANOUT
- EXISTING SANITARY MANHOLE
- PROPOSED CONCRETE SIDEWALK
- PROPOSED SITE HMA PAVEMENT  
2" HMA SURFACE / 10" AGGREGATE BASE
- PROPOSED 4.5" HMA OVERLAY  
1.5" HMA SURFACE / 3" HMA BINDER
- PROPOSED HMA WIDENING  
1.5" HMA SURFACE / 3" HMA BINDER / 10" AGGREGATE BASE
- PROPOSED BUTT JOINT

- LAYOUT NOTES**
- THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF THE BENCHMARKS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL ALSO FIELD VERIFY LOCATION AND ELEVATION OF EXISTING PIPE INVERTS, FLOOR ELEVATIONS, CURB OR PAVEMENT WHERE MATCHING INTO EXISTING WORK. THE CONTRACTOR SHALL FIELD VERIFY HORIZONTAL CONTROL BY REFERENCING SHOWN COORDINATES TO KNOWN PROPERTY LINES. NOTIFY ENGINEER OF DISCREPANCIES IN EITHER VERTICAL OR HORIZONTAL CONTROL PRIOR TO PROCEEDING WITH WORK.
  - REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS.
  - DIMENSIONS THAT LOCATE THE BUILDING ARE MEASURED TO THE OUTSIDE FACE OF THE BUILDING.
  - SIGN CONSTRUCTION AND PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
  - COORDINATE WORK WITHIN ROSCOE ROAD ROW WITH THE WINNEBAGO COUNTY HIGHWAY DEPARTMENT (WCHD). TRAFFIC CONTROL SHALL CONFORM TO IDOT STANDARDS FOR WORK WITHIN THE R.O.W.
  - ALL RADII ARE DIMENSIONED TO THE BACK OF CURB.
  - SOME FIELD ADJUSTMENTS MAY BE NECESSARY AT POINTS WHERE PROPOSED PAVEMENT, CURB AND SIDEWALKS MEET EXISTING PAVEMENT, CURB AND SIDEWALKS. REVIEW ANY REQUIRED CHANGES WITH ENGINEER PRIOR TO CONSTRUCTION OF WORK.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARATION, COORDINATION AND OBTAINING APPROVAL OF A TRAFFIC MANAGEMENT PLAN IF CLOSURES OF LANES EXCEED THE CRITERIA ESTABLISHED IN THE BDE MANUAL.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING WCHD AT (815) 319-4000 SEVENTY-TWO (72) HOURS PRIOR TO COMMENCING WORK WITHIN THE COUNTY ROW AND UPON COMPLETION OF SAID WORK.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING WCHD WITH AS-BUILT PLANS OF WORK PERFORMED IN THE WCHD ROW SIGNED AND SEALED BY A PROFESSIONAL ENGINEER IN THE STATE OF IL.

**SITE BENCHMARKS**

| DESCRIPTION  | ELEVATION (WinGIS) |
|--|--------------------|
| <b>BENCHMARK 1</b><br>MAG NAIL SET IN PAVEMENT AT END OF HAWKS POINTE TRAIL<br>STA. 200+50.78, 6.89' L               | 812.62             |
| <b>BENCHMARK 2</b><br>SET 5/8" ROD IN GROUND NEAR SAN MH 298-140<br>STA. 204+27.01, 36.20' R                         | 815.72             |
| <b>BENCHMARK 3</b><br>MAG NAIL SET IN ROSCOE ROAD PAVEMENT NEAR TEMPORARY FIELD ENTRANCE<br>STA. 206+92.15, 29.05' R | 801.84             |



PROJECT NAME  
OWNER'S NAME

**HAWKS POINTE  
PLAT 5**

HAWKS POINTE TRAIL  
ROSCOE, IL 61073  
WINNEBAGO COUNTY

WHITE OAK TRUST  
1020 BENBROOK DRIVE  
LOVES PARK, IL 61111

CONSULTANTS

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| 3.  | AGENCY APPROVAL | 10-06-2022 |
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| 5.  | ---             | ---        |
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REVISIONS

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SHEET TITLE

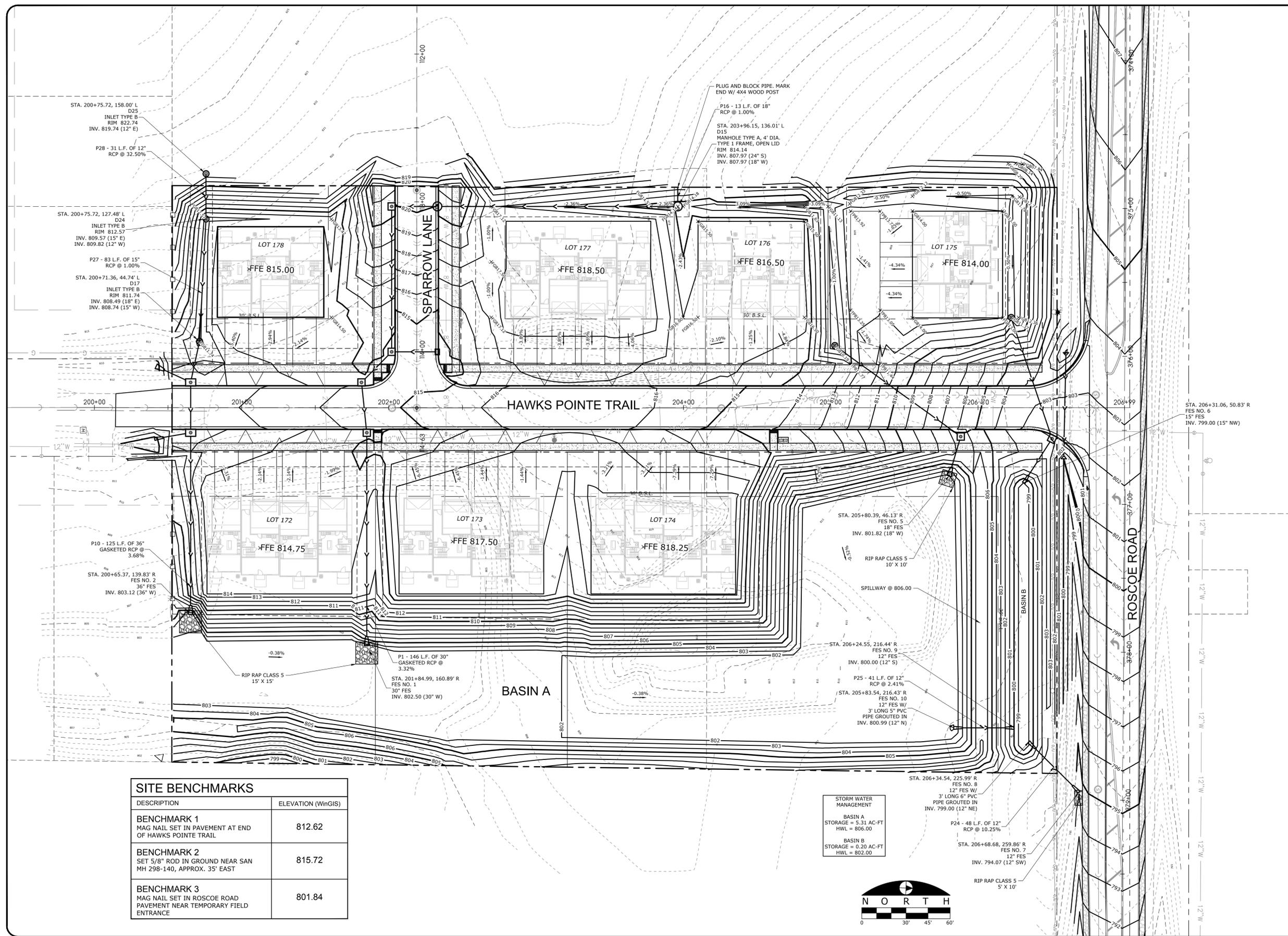
**SITE GRADING PLAN**

DRAWN: MJH  
CHECKED: JSL  
PM: JSL

PROJECT NUMBER  
SHEET NUMBER

22012

C07



| SITE BENCHMARKS   |                    |
|---|--------------------|
| DESCRIPTION   | ELEVATION (WinGIS) |
| BENCHMARK 1<br>MAG NAIL SET IN PAVEMENT AT END OF HAWKS POINTE TRAIL              | 812.62             |
| BENCHMARK 2<br>SET 5/8" ROD IN GROUND NEAR SAN MH 298-140, APPROX. 35' EAST       | 815.72             |
| BENCHMARK 3<br>MAG NAIL SET IN ROSCOE ROAD PAVEMENT NEAR TEMPORARY FIELD ENTRANCE | 801.84             |

STORM WATER MANAGEMENT  
BASIN A  
STORAGE = 5.31 AC-FT  
HWL = 806.00  
BASIN B  
STORAGE = 0.20 AC-FT  
HWL = 802.00



PROJECT NAME  
OWNER'S NAME

**HAWKS POINTE  
PLAT 5**

HAWKS POINTE TRAIL  
ROSCOE, IL 61073  
WINNEBAGO COUNTY

WHITE OAK TRUST  
1020 BENBROOK DRIVE  
LOVES PARK, IL 61111

CONSULTANTS

ISSUED FOR

| ITEM               | DATE       |
|--------------------|------------|
| 1. AGENCY REVIEW   | 08-03-2022 |
| 2. AGENCY APPROVAL | 09-29-2022 |
| 3. AGENCY APPROVAL | 10-06-2022 |
| 4. AGENCY APPROVAL | 11-16-2022 |
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REVISIONS

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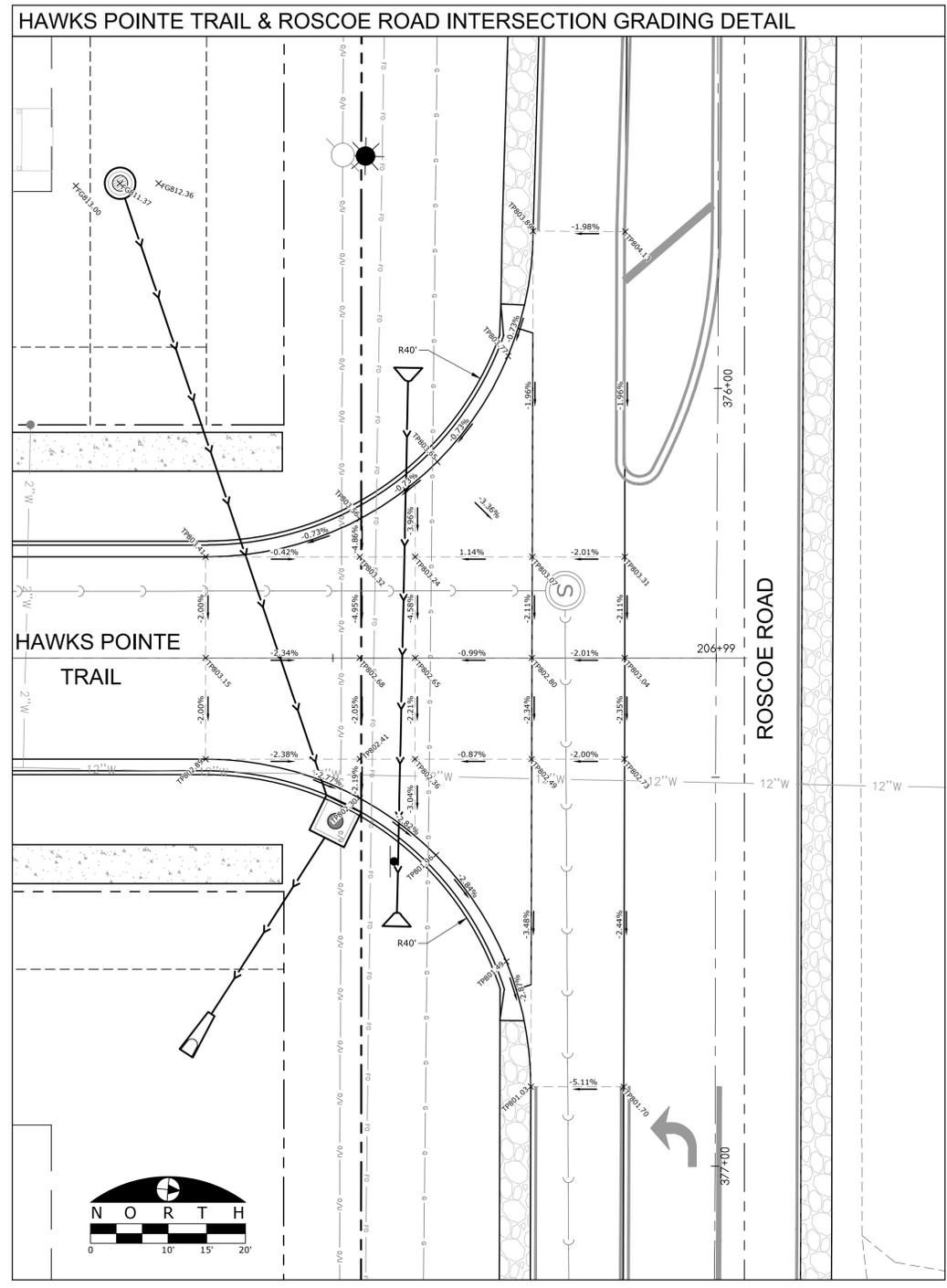
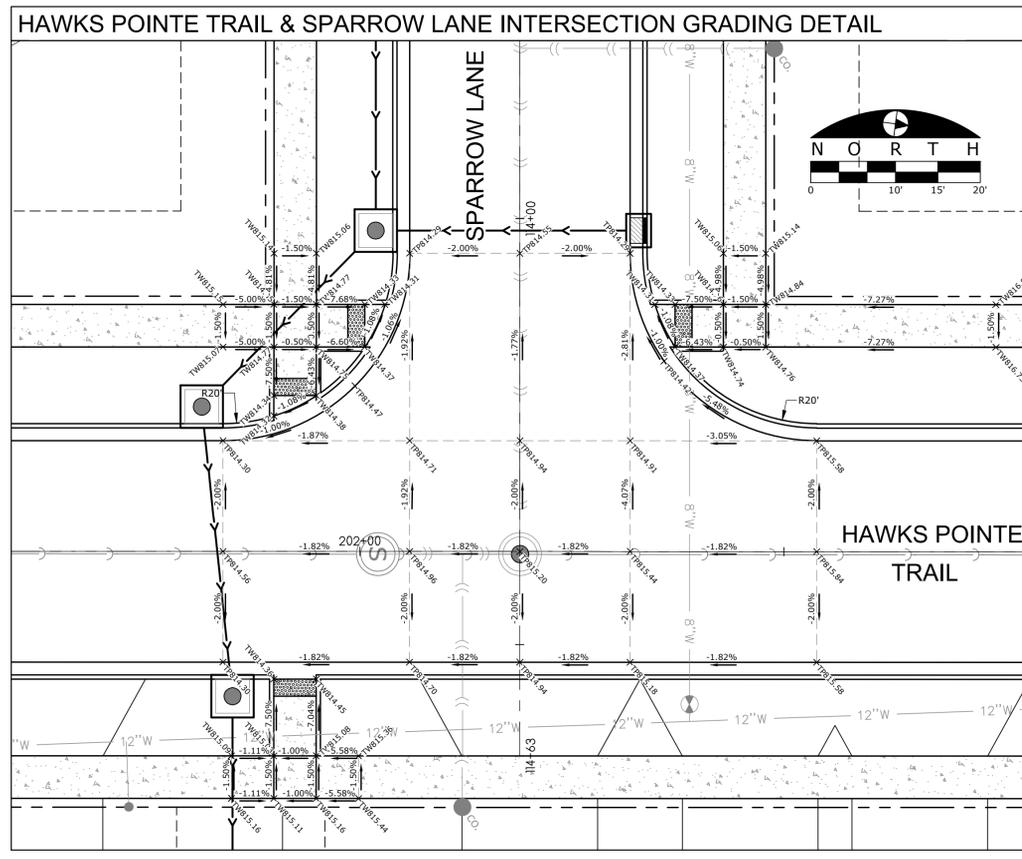
SHEET TITLE

**INTERSECTION  
DETAILS**

DRAWN: MJH  
CHECKED: JSL  
PM: JSL

PROJECT NUMBER  
SHEET NUMBER

**22012**  
**C08**



**ARC DESIGN**  
RESOURCES INC.

5281 ZENITH PARKWAY  
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VOICE: (815) 484-4300  
FAX: (815) 484-4303

www.arcdesign.com  
Illinois Design Firm License No. 184-001334

PROJECT NAME  
OWNERS NAME

**HAWKS POINTE  
PLAT 5**

HAWKS POINTE TRAIL  
ROSCOE, IL 61073  
WINNEBAGO COUNTY

WHITE OAK TRUST  
1020 BENBROOK DRIVE  
LOVES PARK, IL 61111

CONSULTANTS

ISSUED FOR

| 1.  | AGENCY REVIEW   | 08-03-2022 |
|-----|-----------------|------------|
| 2.  | AGENCY APPROVAL | 09-29-2022 |
| 3.  | AGENCY APPROVAL | 10-06-2022 |
| 4.  | AGENCY APPROVAL | 11-16-2022 |
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REVISIONS

| ITEM | DATE |
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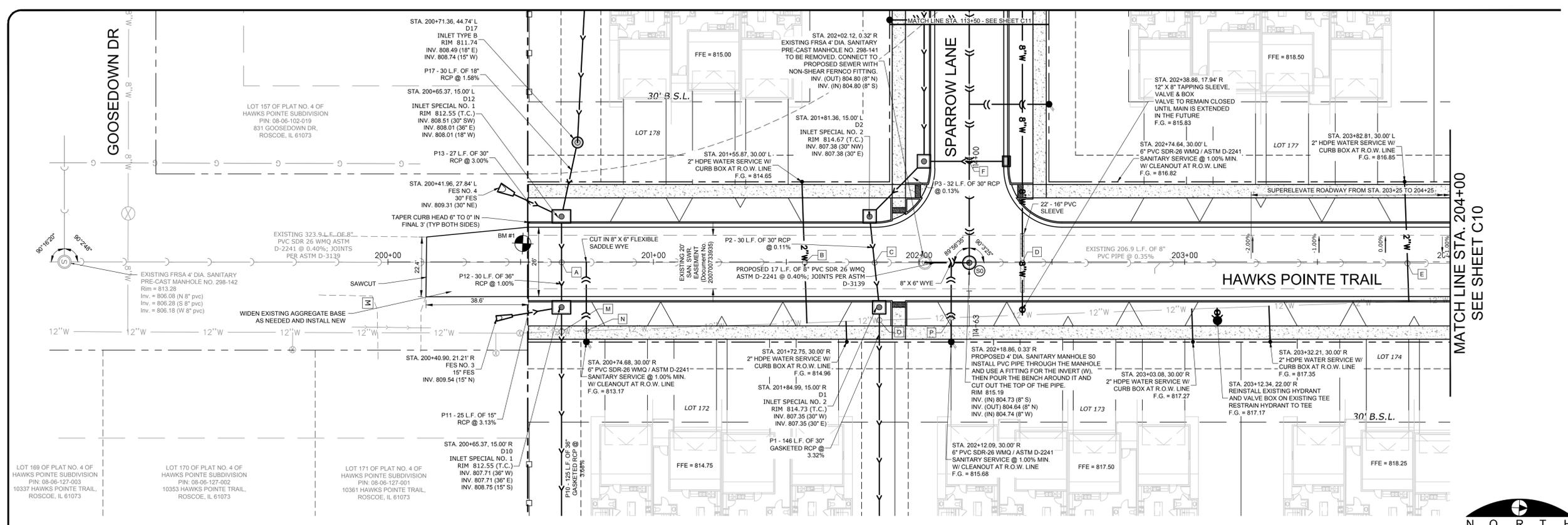
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**HAWKS POINTE  
TRAIL PLAN &  
PROFILE STA.  
200+53 TO 204+00**

DRAWN DB  
CHECKED JSL  
PM JSL

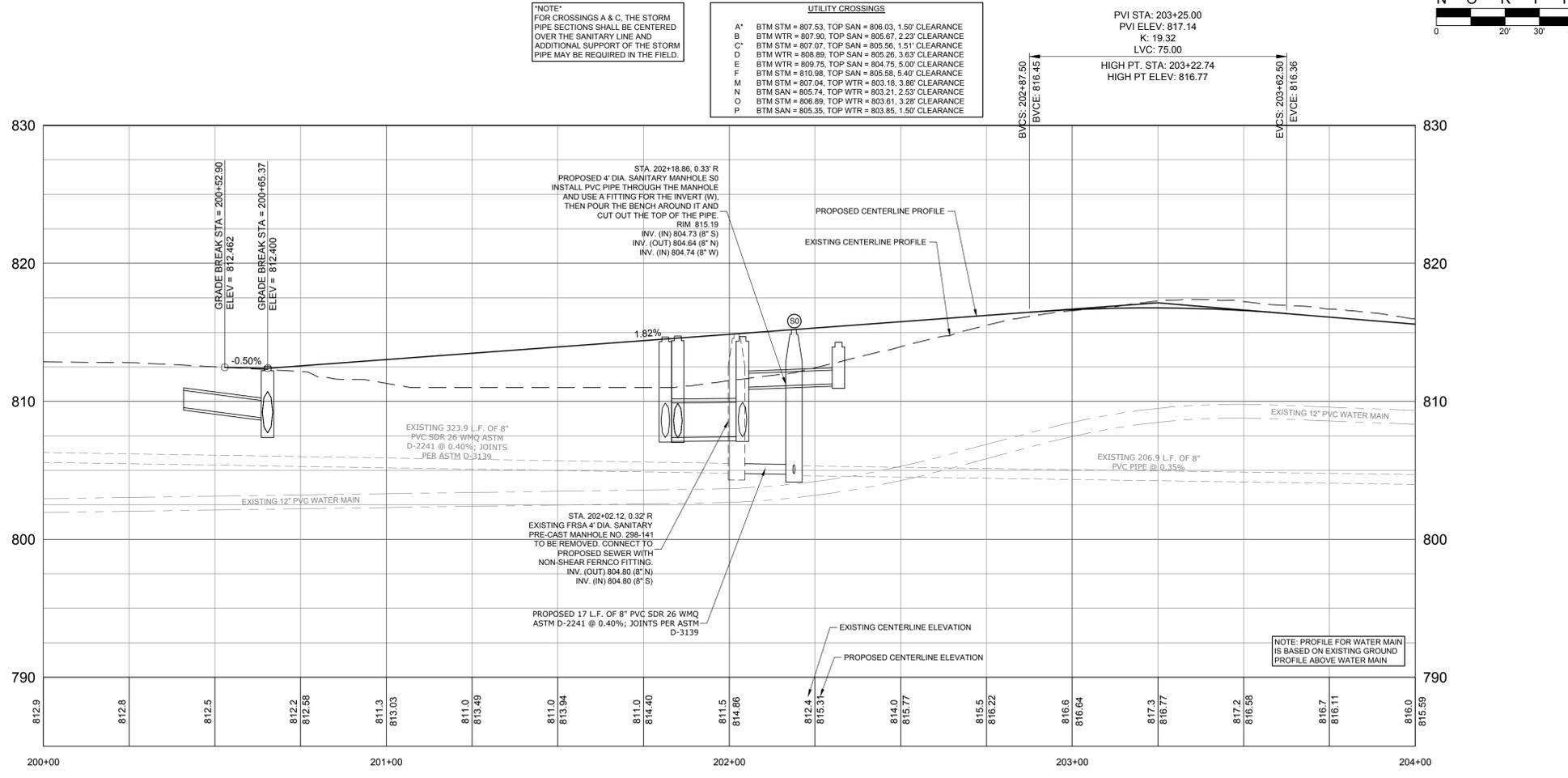
PROJECT NUMBER  
SHEET NUMBER

**22012**  
**C09**



**SITE BENCHMARKS**

| DESCRIPTION   | ELEVATION (WINGIS) |
|---|--------------------|
| <b>BENCHMARK 1</b><br>MAG NAIL SET IN PAVEMENT AT END OF HAWKS POINTE TRAIL STA. 200+50.78, 6.89' L               | 812.62             |
| <b>BENCHMARK 2</b><br>SET 5/8" ROD IN GROUND NEAR SAN MH 298-140 STA. 204+27.01, 36.20' R                         | 815.72             |
| <b>BENCHMARK 3</b><br>MAG NAIL SET IN ROSCOE ROAD PAVEMENT NEAR TEMPORARY FIELD ENTRANCE STA. 206+92.15, 29.05' R | 801.84             |



- NOTE:**  
FOR CROSSINGS A & C, THE STORM PIPE SECTIONS SHALL BE CENTERED OVER THE SANITARY LINE AND ADDITIONAL SUPPORT OF THE STORM PIPE MAY BE REQUIRED IN THE FIELD.
- UTILITY CROSSINGS**
- A\* BTM STM = 807.53, TOP SAN = 806.03, 1.50' CLEARANCE
  - B BTM WTR = 807.90, TOP SAN = 805.67, 2.23' CLEARANCE
  - C BTM STM = 807.07, TOP SAN = 805.56, 1.51' CLEARANCE
  - D BTM WTR = 808.89, TOP SAN = 805.26, 3.63' CLEARANCE
  - E BTM WTR = 809.75, TOP SAN = 804.75, 5.00' CLEARANCE
  - F BTM STM = 810.98, TOP SAN = 805.58, 5.40' CLEARANCE
  - M BTM STM = 807.04, TOP WTR = 803.18, 3.86' CLEARANCE
  - N BTM SAN = 805.74, TOP WTR = 803.21, 2.53' CLEARANCE
  - O BTM STM = 806.89, TOP WTR = 803.81, 3.28' CLEARANCE
  - P BTM SAN = 805.35, TOP WTR = 803.85, 1.50' CLEARANCE
- PVI STA: 203+25.00  
PVI ELEV: 817.14  
K: 19.32  
LVC: 75.00
- HIGH PT. STA: 203+22.74  
HIGH PT ELEV: 816.77
- BMCS: 202+87.50  
EVC: 816.45  
EPCS: 203+62.50  
EVC: 816.56

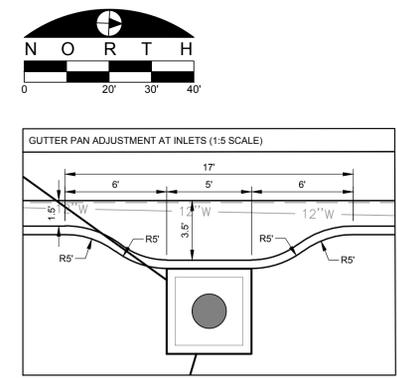
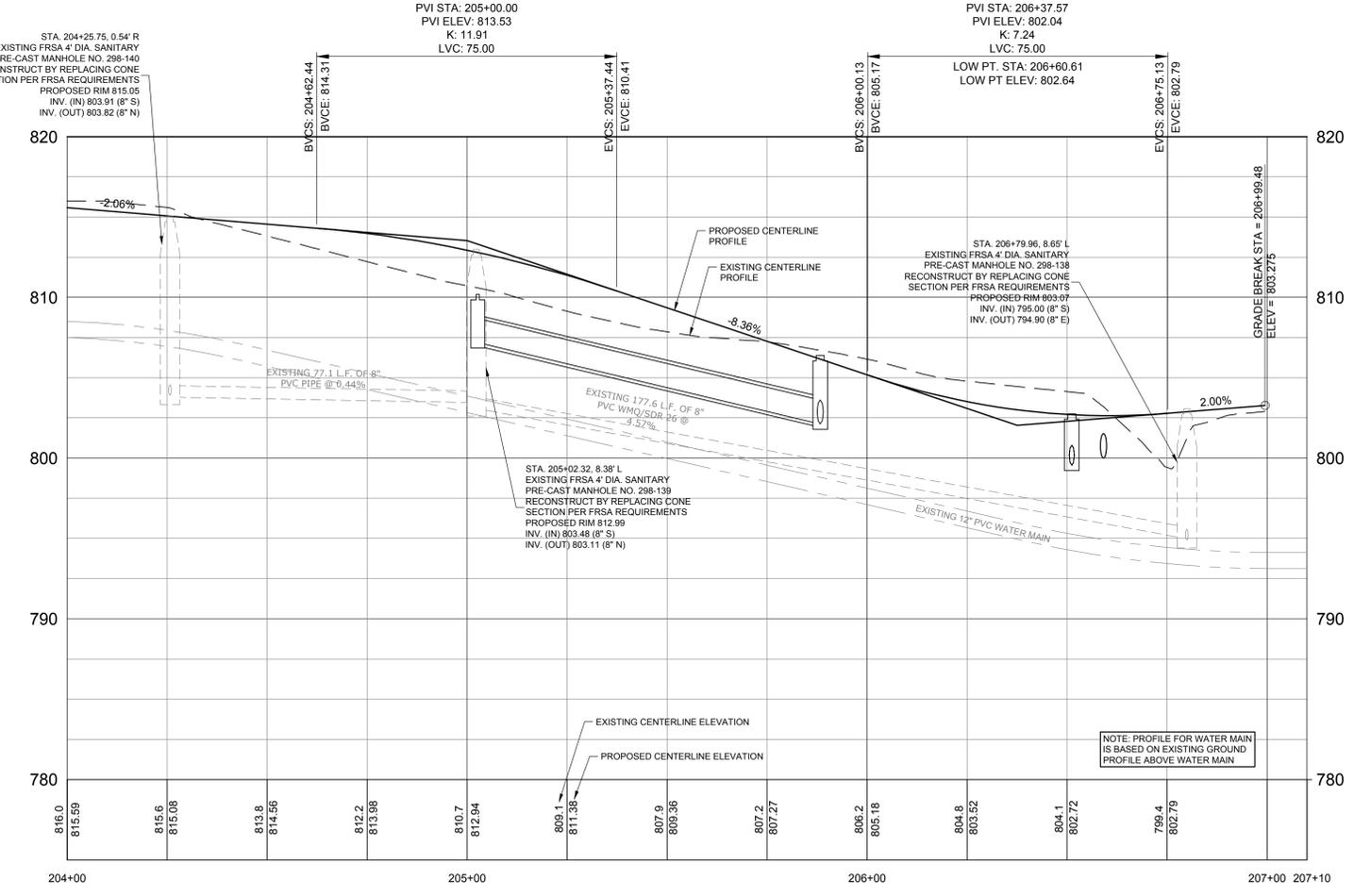
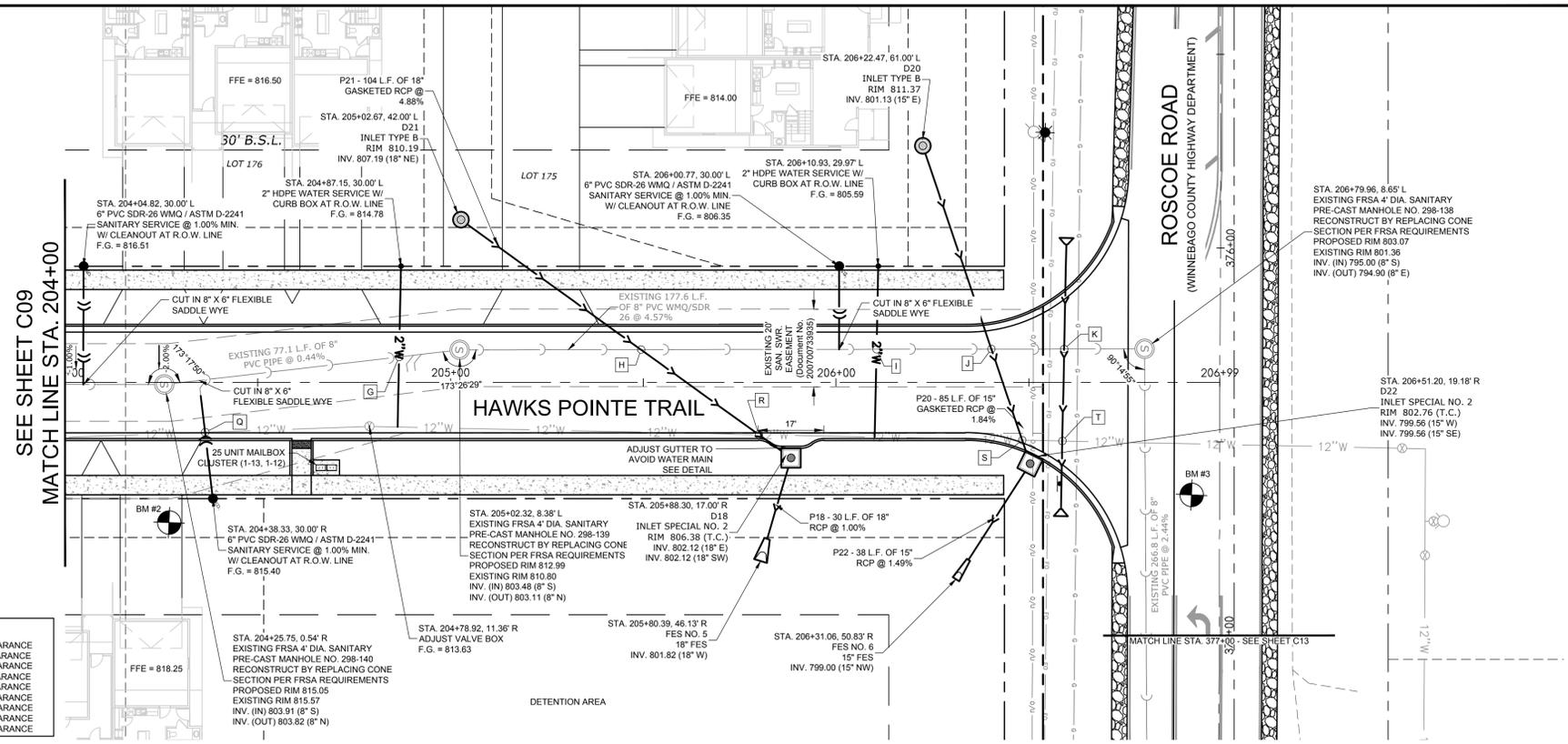
NOTE: PROFILE FOR WATER MAIN IS BASED ON EXISTING GROUND PROFILE ABOVE WATER MAIN

**SITE BENCHMARKS**

| DESCRIPTION  | ELEVATION (WinGIS) |
|--|--------------------|
| <b>BENCHMARK 1</b><br>MAG NAIL SET IN PAVEMENT AT END OF HAWKS POINTE TRAIL<br>STA. 200+50.78, 6.89' L               | 812.62             |
| <b>BENCHMARK 2</b><br>SET 5/8" ROD IN GROUND NEAR SAN MH 298-140<br>STA. 204+27.01, 36.20' R                         | 815.72             |
| <b>BENCHMARK 3</b><br>MAG NAIL SET IN ROSCOE ROAD PAVEMENT NEAR TEMPORARY FIELD ENTRANCE<br>STA. 206+92.15, 29.05' R | 801.84             |

**UTILITY CROSSINGS**

|   |   |
|---|---|
| G | BTM WTR = 807.25, TOP SAN = 804.24, 3.01' CLEARANCE |
| H | BTM STM = 804.69, TOP SAN = 801.65, 3.04' CLEARANCE |
| I | BTM WTR = 801.24, TOP SAN = 800.46, 0.78' CLEARANCE |
| J | BTM STM = 799.92, TOP SAN = 798.06, 1.86' CLEARANCE |
| K | BTM STM = 800.00, TOP SAN = 796.64, 3.36' CLEARANCE |
| Q | BTM WTR = 806.54, TOP SAN = 804.60, 1.94' CLEARANCE |
| R | BTM STM = 802.40, TOP WTR = 799.27, 3.13' CLEARANCE |
| S | BTM STM = 799.48, TOP WTR = 795.40, 4.08' CLEARANCE |
| T | BTM STM = 799.77, TOP WTR = 794.93, 4.84' CLEARANCE |



NOTE: PROFILE FOR WATER MAIN IS BASED ON EXISTING GROUND PROFILE ABOVE WATER MAIN

ISSUED FOR

| NO. | DESCRIPTION     | DATE       |
|-----|-----------------|------------|
| 1.  | AGENCY REVIEW   | 08-03-2022 |
| 2.  | AGENCY APPROVAL | 09-29-2022 |
| 3.  | AGENCY APPROVAL | 10-06-2022 |
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| 5.  | ----            | ----       |
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REVISIONS

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**SITE BENCHMARKS**

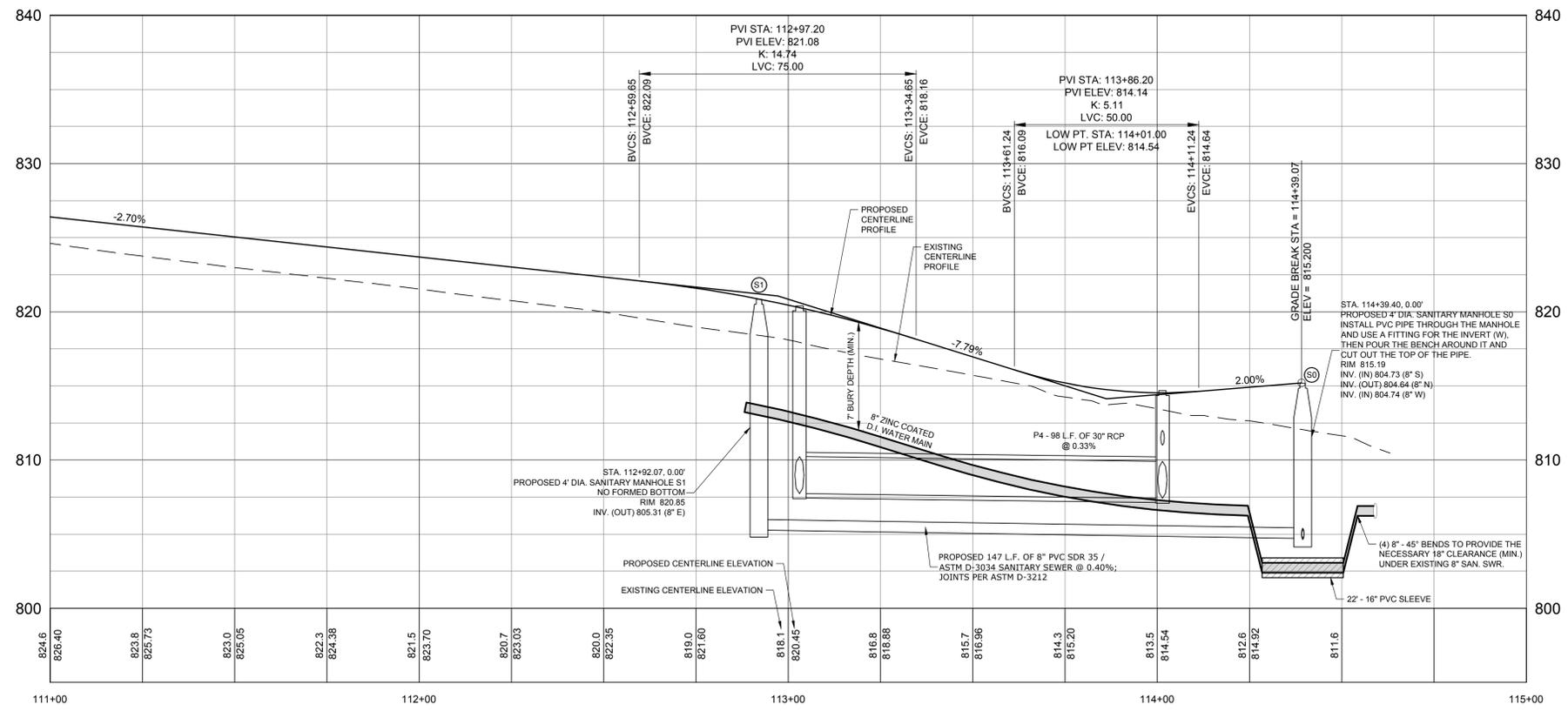
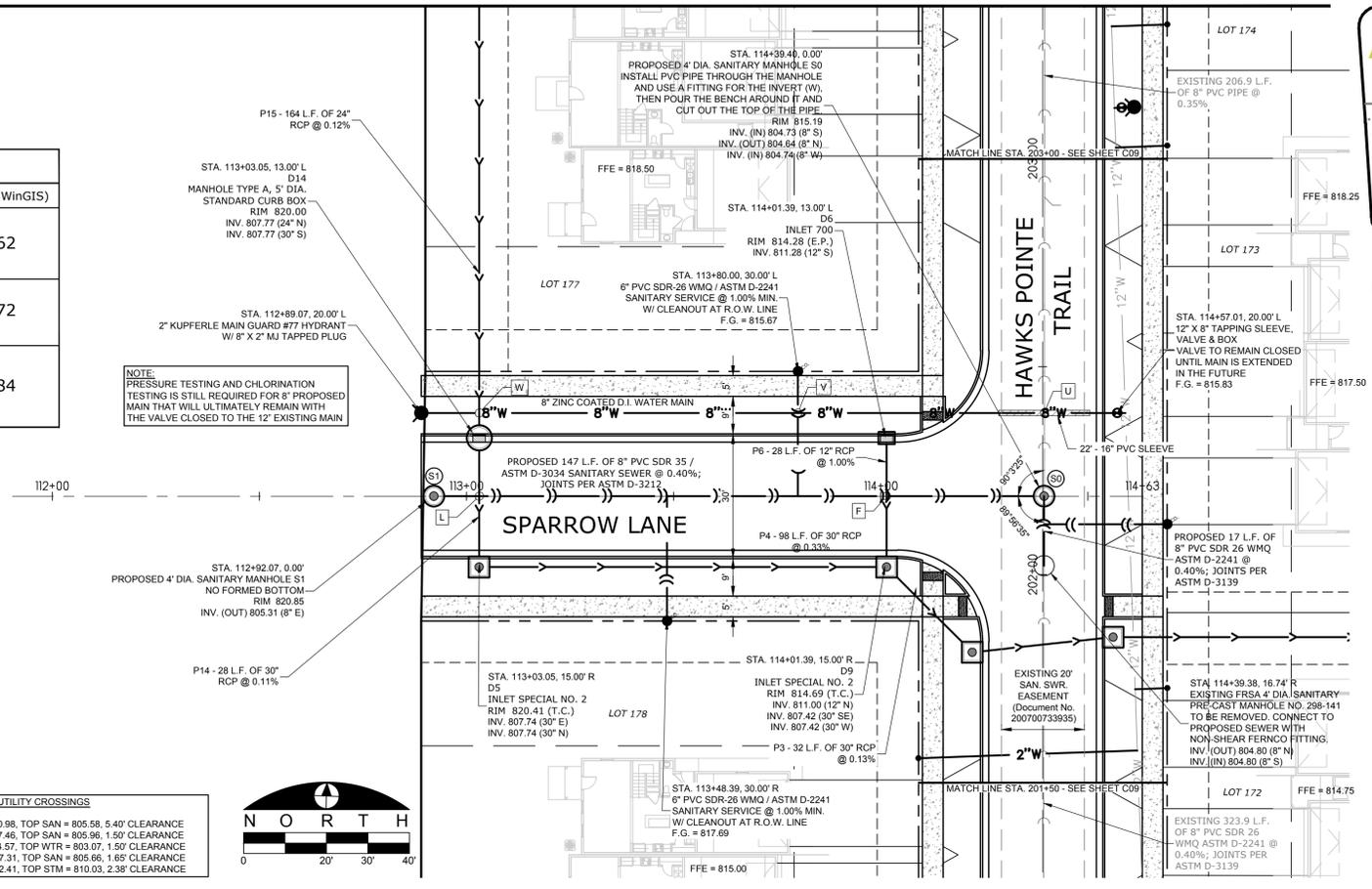
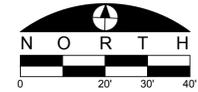
| DESCRIPTION  | ELEVATION (WinGIS) |
|--|--------------------|
| <b>BENCHMARK 1</b><br>MAG NAIL SET IN PAVEMENT AT END OF HAWKS POINTE TRAIL<br>STA. 200+50.78, 6.89' L               | 812.62             |
| <b>BENCHMARK 2</b><br>SET 5/8" ROD IN GROUND NEAR SAN MH 298-140<br>STA. 204+27.01, 36.20' R                         | 815.72             |
| <b>BENCHMARK 3</b><br>MAG NAIL SET IN ROSCOE ROAD PAVEMENT NEAR TEMPORARY FIELD ENTRANCE<br>STA. 206+92.15, 29.05' R | 801.84             |

NOTE:  
PRESSURE TESTING AND CHLORINATION TESTING IS STILL REQUIRED FOR 8" PROPOSED MAIN THAT WILL ULTIMATELY REMAIN WITH THE VALVE CLOSED TO THE 12" EXISTING MAIN

NOTE:  
FOR CROSSING L, THE STORM PIPE SECTIONS SHALL BE CENTERED OVER THE SANITARY LINE AND ADDITIONAL SUPPORT OF THE STORM PIPE MAY BE REQUIRED IN THE FIELD.

UTILITY CROSSINGS

|   |   |
|---|---|
| F | BTM STM = 810.98, TOP SAN = 805.58, 5.40' CLEARANCE |
| L | BTM STM = 807.46, TOP SAN = 805.96, 1.50' CLEARANCE |
| U | BTM SAN = 804.57, TOP WTR = 803.07, 1.50' CLEARANCE |
| V | BTM WTR = 807.31, TOP SAN = 805.66, 1.65' CLEARANCE |
| W | BTM WTR = 812.41, TOP STM = 810.03, 2.38' CLEARANCE |



**ARC DESIGN**  
RESOURCES INC.

5281 ZENITH PARKWAY  
LOVES PARK, IL 61111  
VOICE: (815) 484-4300  
FAX: (815) 484-4303

www.arcdesign.com  
Illinois Design Firm License No. 184-001334

PROJECT NAME  
OWNERS NAME

**HAWKS POINTE  
PLAT 5**

HAWKS POINTE TRAIL  
ROSCOE, IL 61073  
WINNEBAGO COUNTY

WHITE OAK TRUST  
1020 BENBROOK DRIVE  
LOVES PARK, IL 61111

CONSULTANTS

ISSUED FOR

| ITEM               | DATE       |
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REVISIONS

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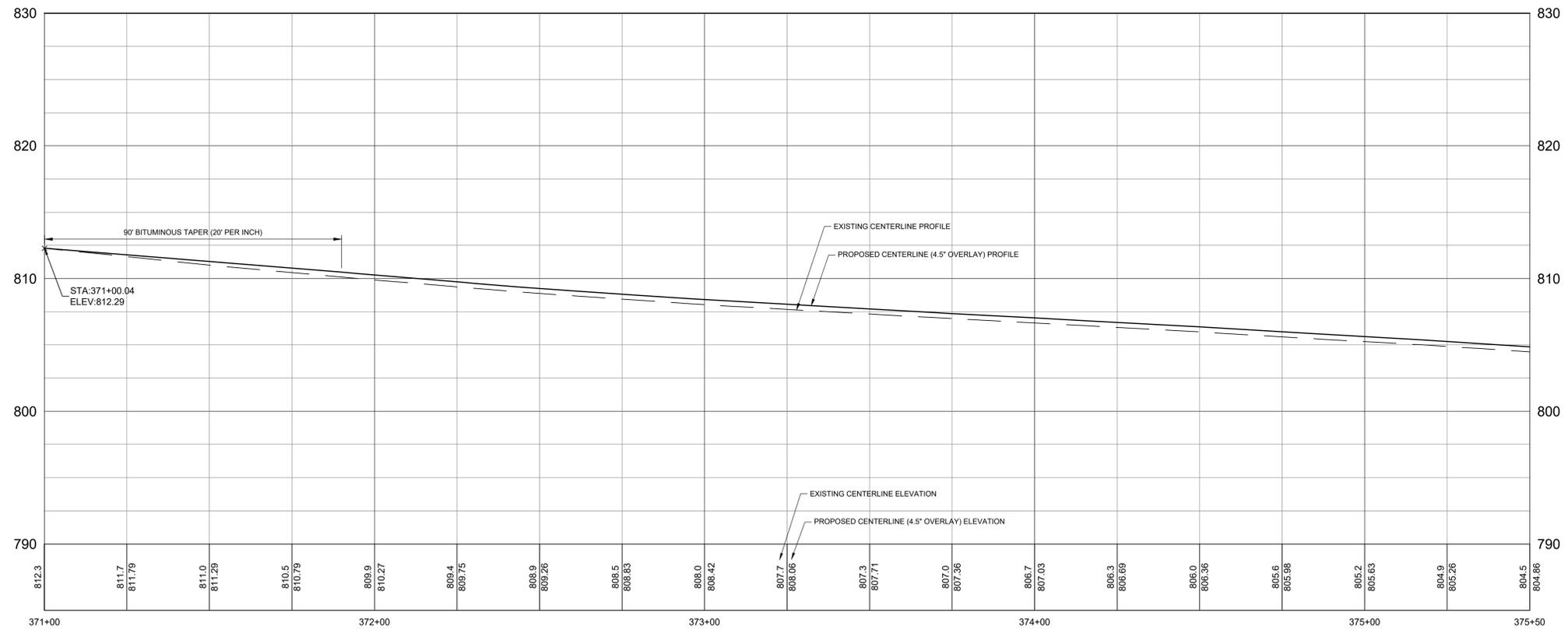
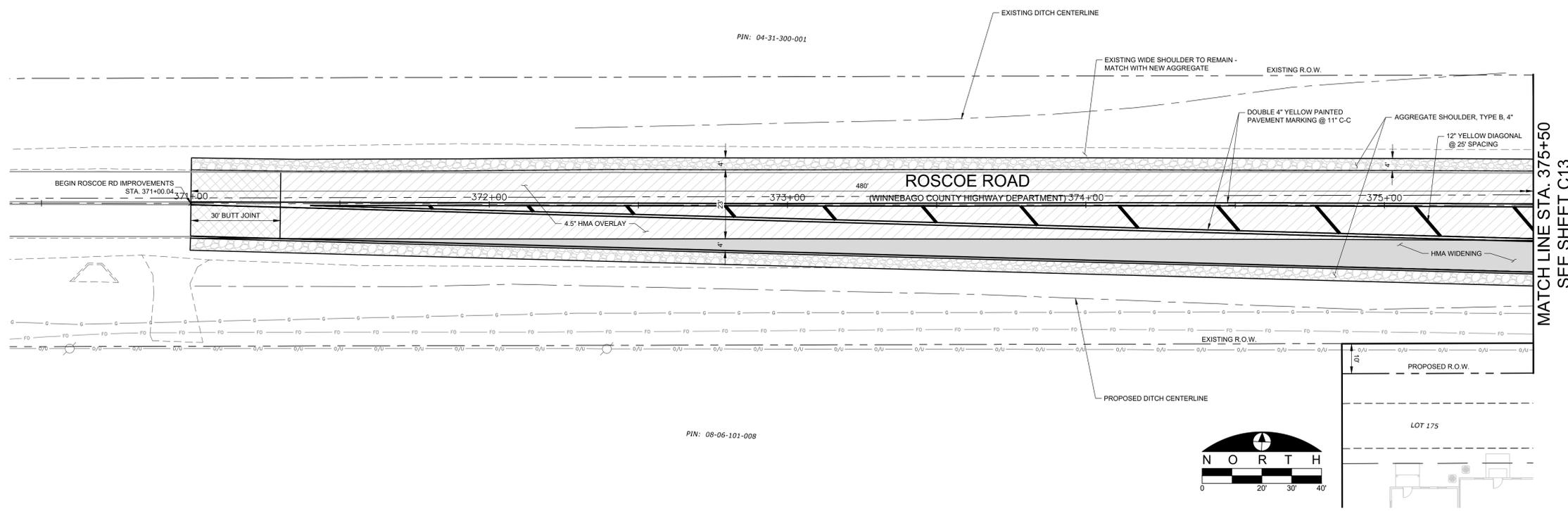
**ROSCOE ROAD  
PLAN & PROFILE  
STA. 371+00 TO  
375+50**

DRAWN: MJH  
CHECKED: JSL  
PM: JSL

PROJECT NUMBER  
SHEET NUMBER

**22012**

**C12**



**ARC DESIGN**  
RESOURCES INC.

5281 ZENITH PARKWAY  
LOVES PARK, IL 61111  
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PROJECT NAME  
OWNER'S NAME

**HAWKS POINTE  
PLAT 5**

HAWKS POINTE TRAIL  
ROSCOE, IL 61073  
WINNEBAGO COUNTY

WHITE OAK TRUST  
1020 BENBROOK DRIVE  
LOVES PARK, IL 61111

CONSULTANTS

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| 1.  | AGENCY REVIEW   | 08-03-2022 |
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REVISIONS

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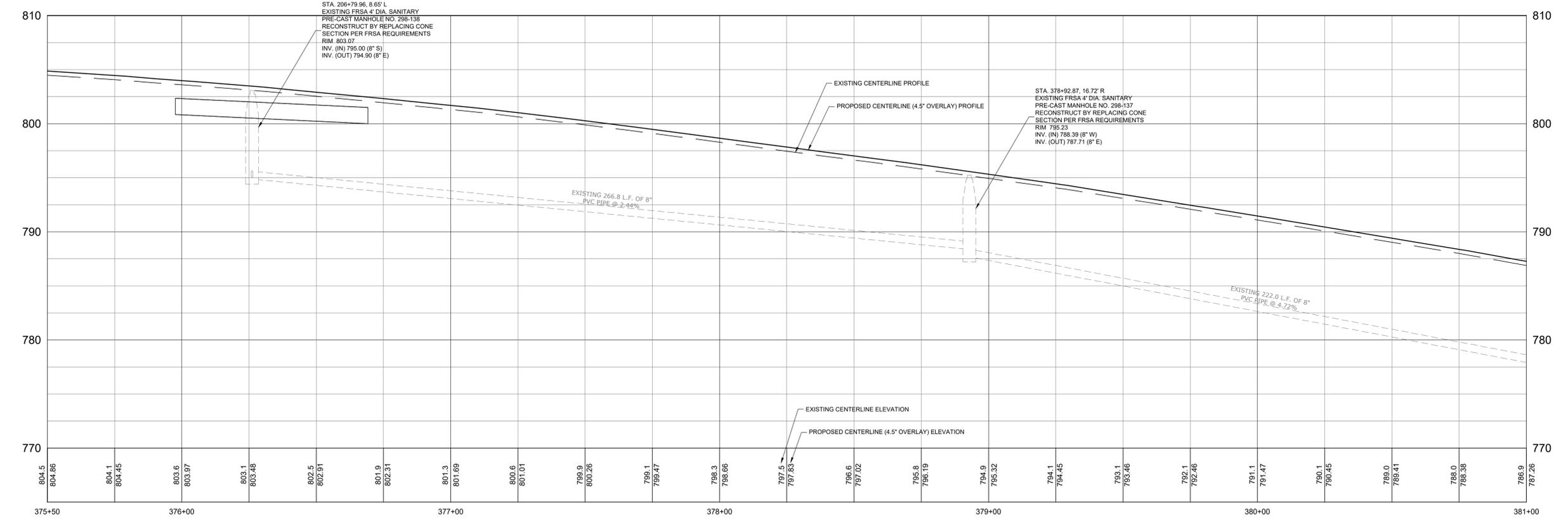
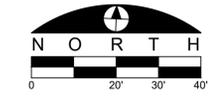
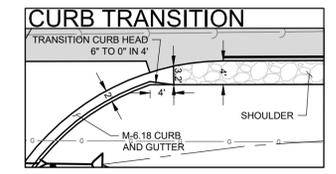
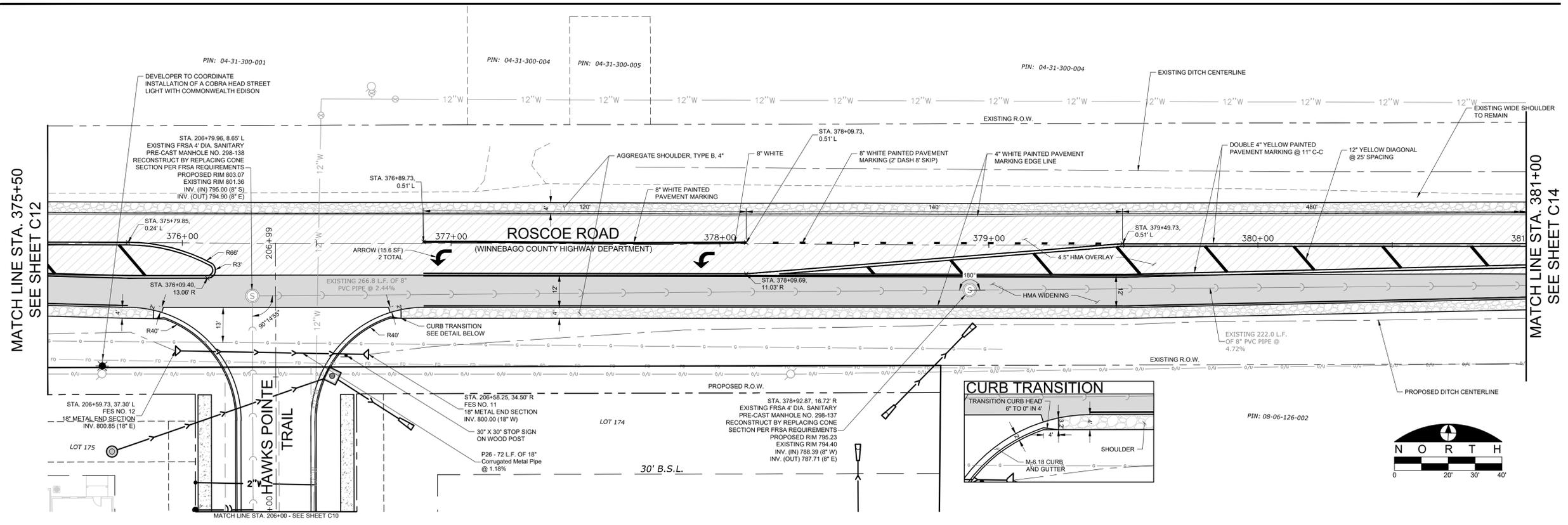
**ROSCOE ROAD  
PLAN & PROFILE  
STA. 375+50 TO  
381+00**

DRAWN: MJH  
CHECKED: JSL  
PM: JSL

PROJECT NUMBER  
SHEET NUMBER

**22012**

**C13**



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RESOURCES INC.

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PROJECT NAME  
OWNERS NAME

**HAWKS POINTE  
PLAT 5**

HAWKS POINTE TRAIL  
ROSCOE, IL 61073  
WINNEBAGO COUNTY

WHITE OAK TRUST  
1020 BENBROOK DRIVE  
LOVES PARK, IL 61111

CONSULTANTS

ISSUED FOR

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REVISIONS

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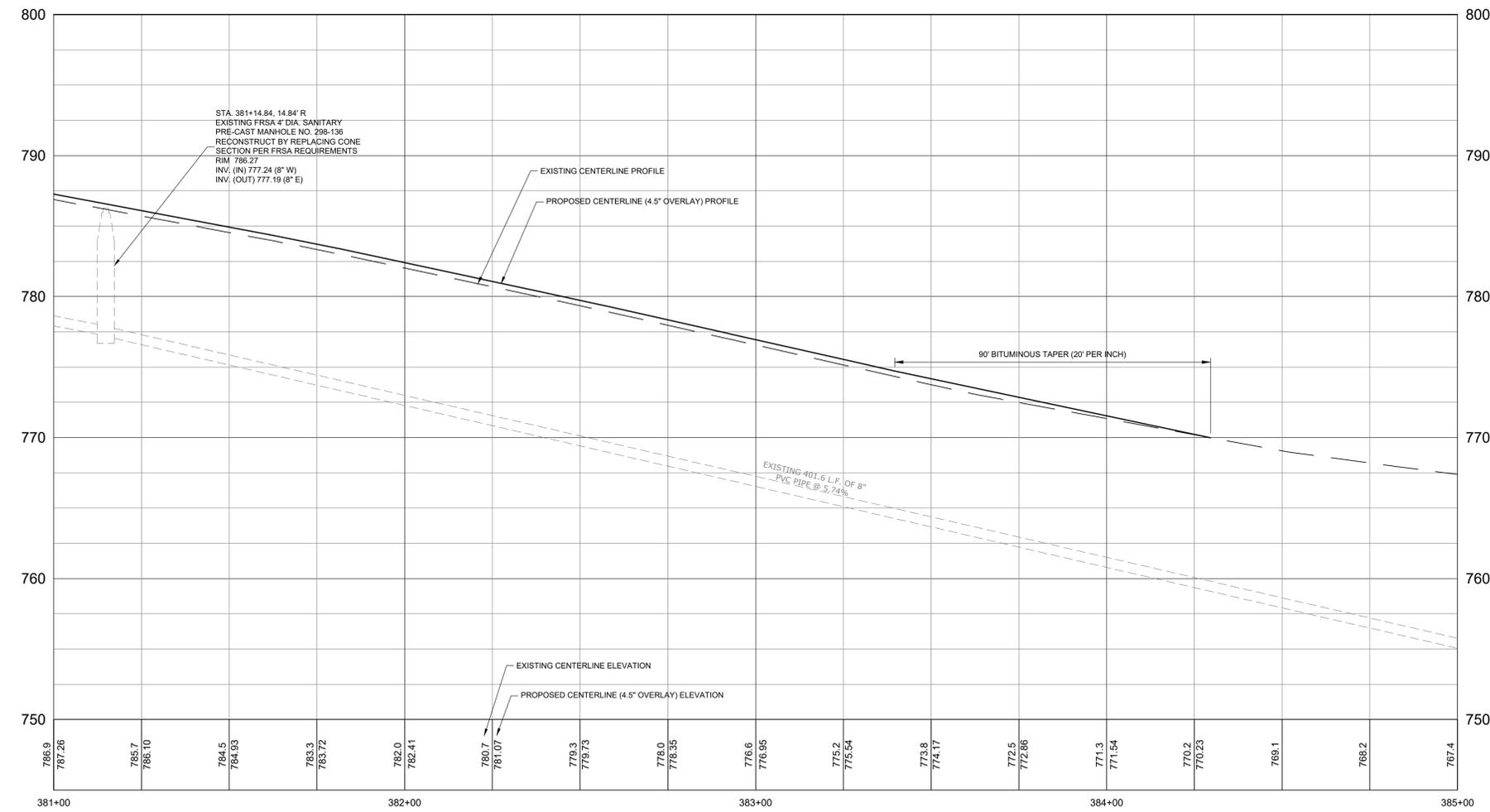
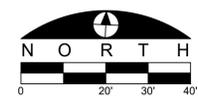
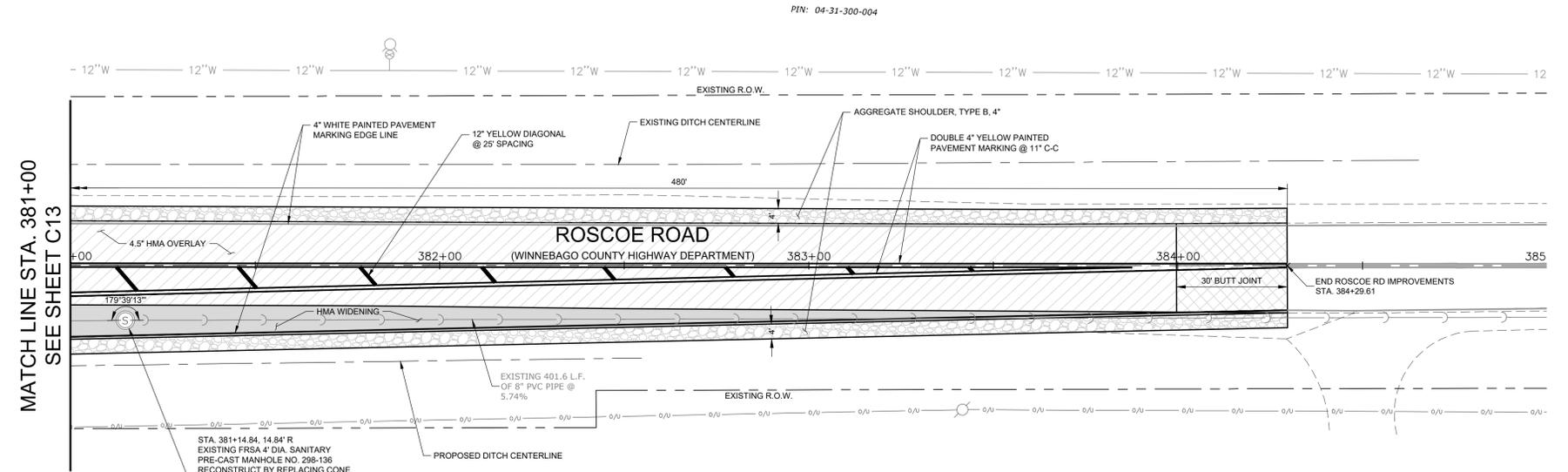
**ROSCOE ROAD  
PLAN & PROFILE  
STA. 381+00 TO  
384+29.61**

DRAWN: MJH  
CHECKED: JSL  
PM: JSL

PROJECT NUMBER  
SHEET NUMBER

**22012**

**C14**



PROJECT NAME  
OWNER'S NAME

**HAWKS POINTE  
PLAT 5**

HAWKS POINTE TRAIL  
ROSCOE, IL 61073  
WINNEBAGO COUNTY

WHITE OAK TRUST  
1020 BENBROOK DRIVE  
LOVES PARK, IL 61111

CONSULTANTS

ISSUED FOR

| ITEM               | DATE       |
|--------------------|------------|
| 1. AGENCY REVIEW   | 08-03-2022 |
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REVISIONS

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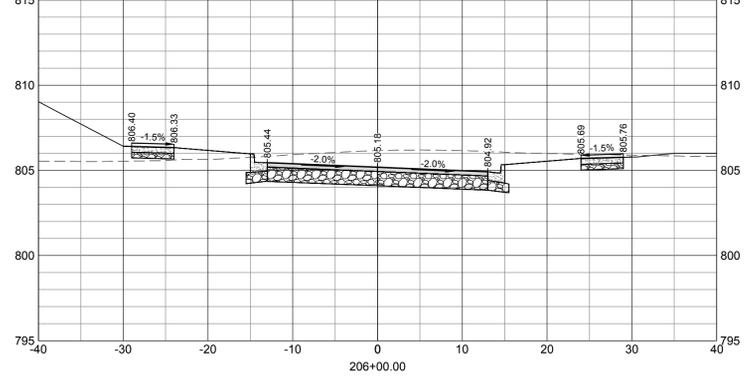
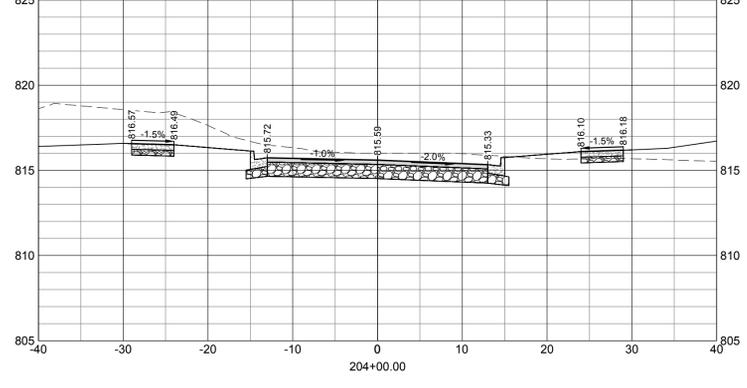
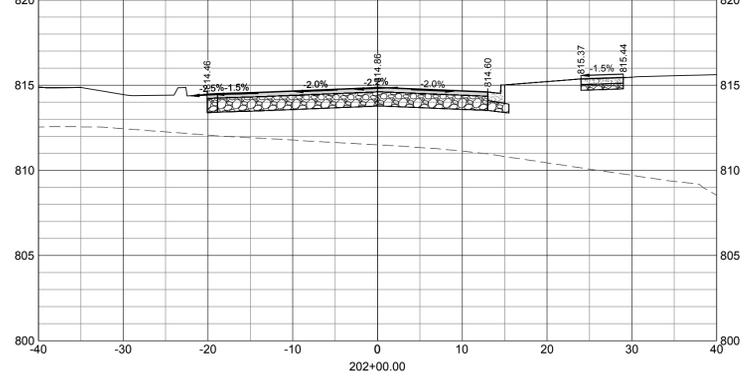
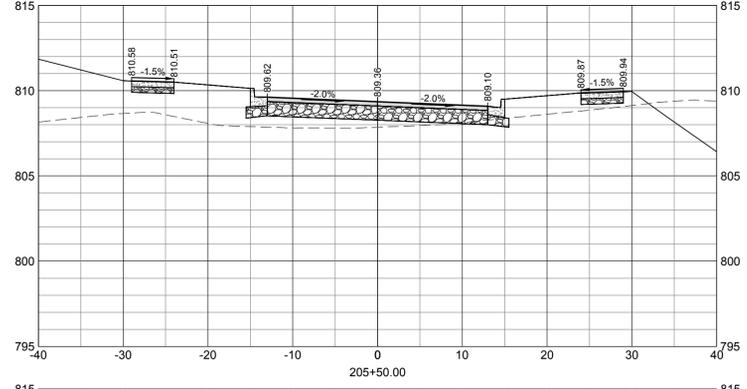
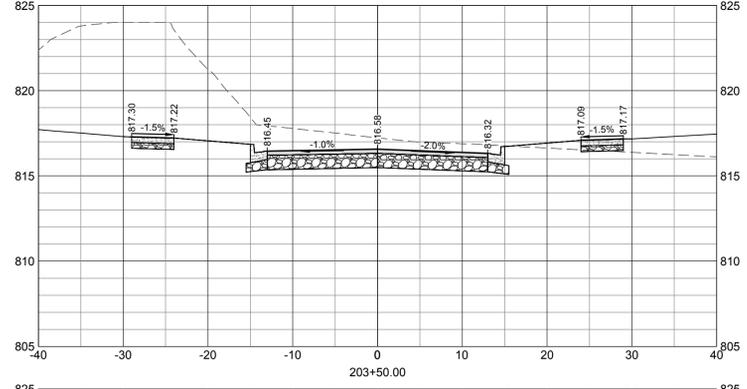
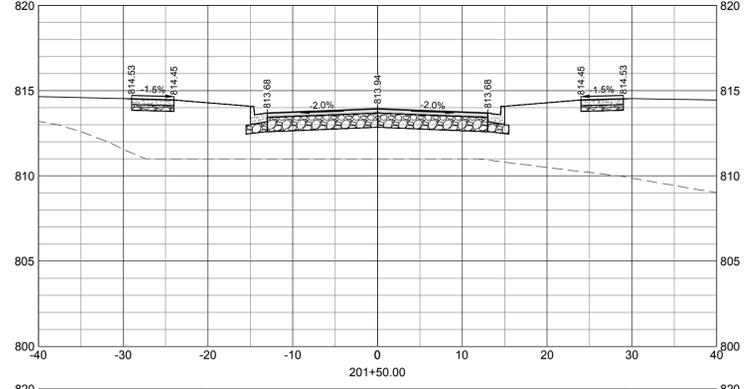
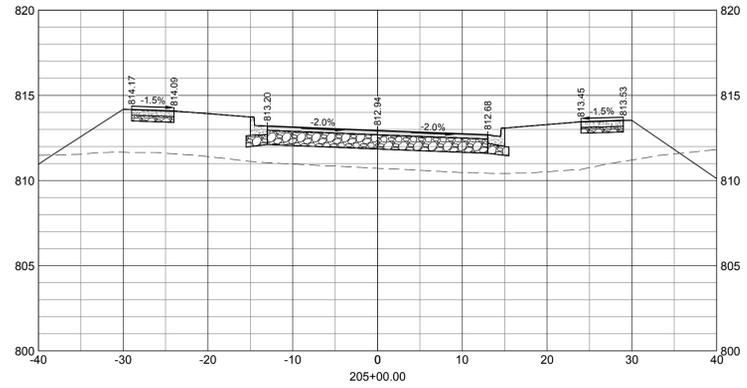
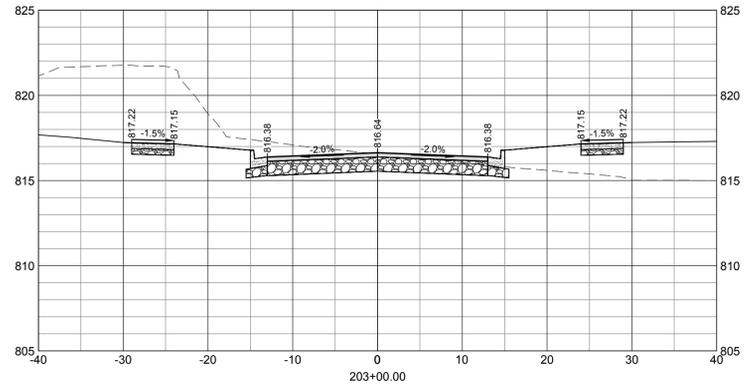
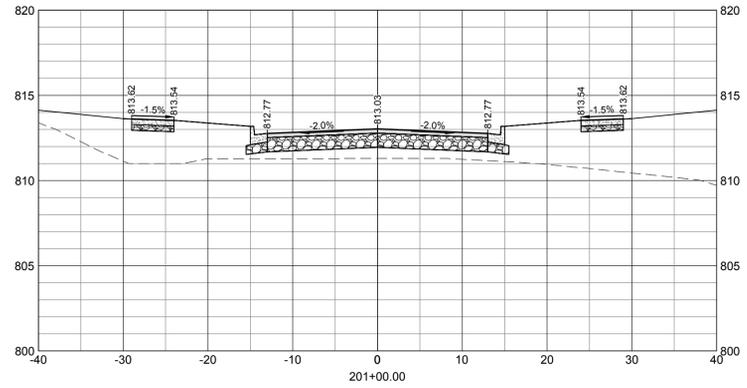
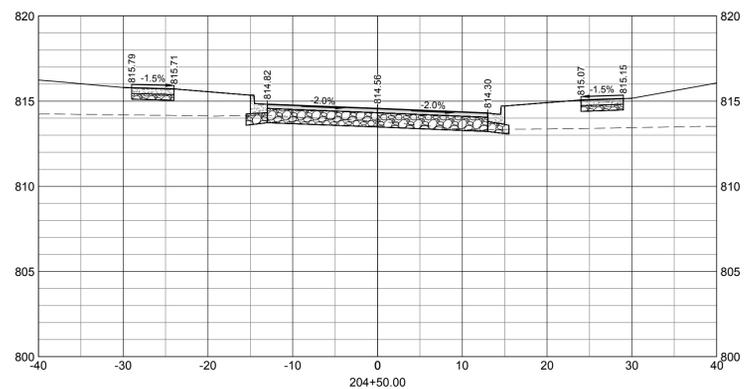
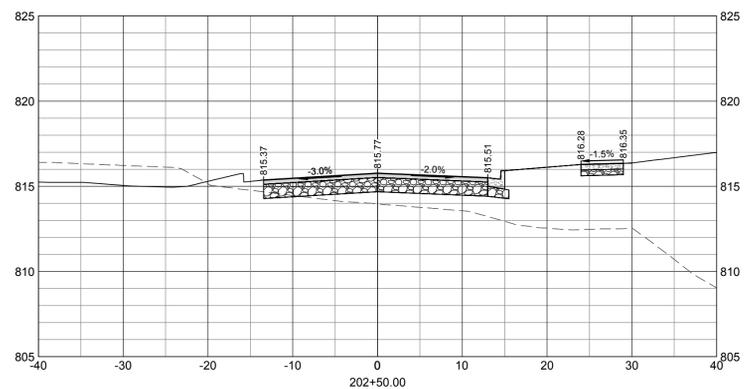
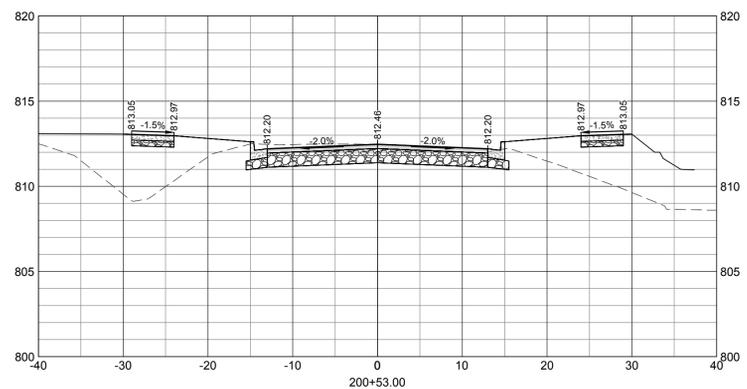
**HAWKS POINTE  
TRAIL CROSS  
SECTIONS STA.  
200+53 TO 206+00**

DRAWN: MJH  
CHECKED: JSL  
PM: JSL

PROJECT NUMBER  
SHEET NUMBER

**22012**

**C15**



**ARC DESIGN**  
RESOURCES INC.

5281 ZENITH PARKWAY  
LOVES PARK, IL 61111  
VOICE: (815) 484-4300  
FAX: (815) 484-4303

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Illinois Design Firm License No. 184-001334

PROJECT NAME  
OWNERS NAME

**HAWKS POINTE  
PLAT 5**

HAWKS POINTE TRAIL  
ROSCOE, IL 61073  
WINNEBAGO COUNTY

WHITE OAK TRUST  
1020 BENBROOK DRIVE  
LOVES PARK, IL 61111

CONSULTANTS

| ISSUED FOR         | DATE       |
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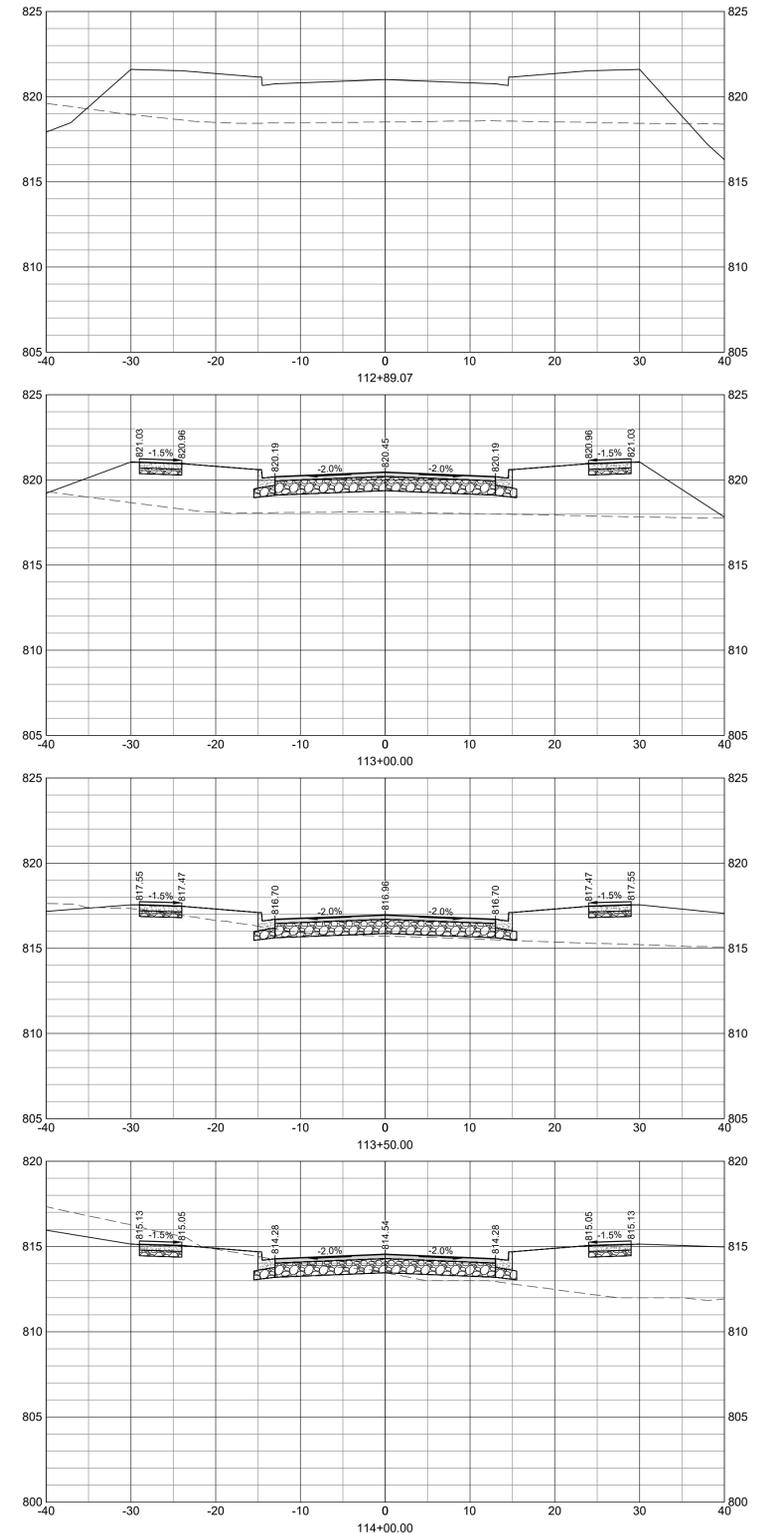
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CROSS SECTIONS  
STA. 112+89 TO  
114+00**

DRAWN MJH  
CHECKED JSL  
PM JSL

PROJECT NUMBER  
SHEET NUMBER

**22012**

**C16**



PROJECT NAME  
OWNER'S NAME

**HAWKS POINTE  
PLAT 5**

HAWKS POINTE TRAIL  
ROSCOE, IL 61073  
WINNEBAGO COUNTY

WHITE OAK TRUST  
1020 BENBROOK DRIVE  
LOVES PARK, IL 61111

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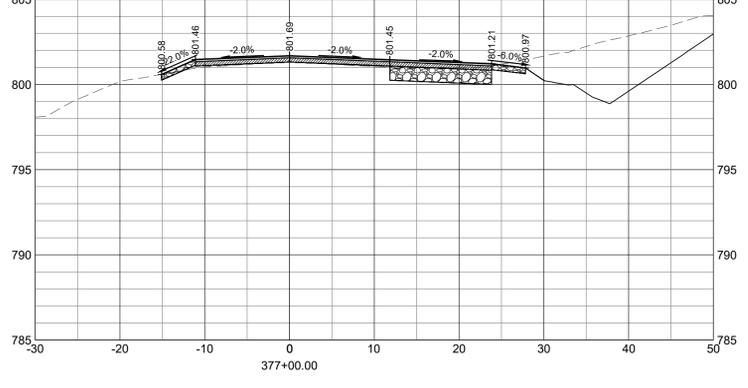
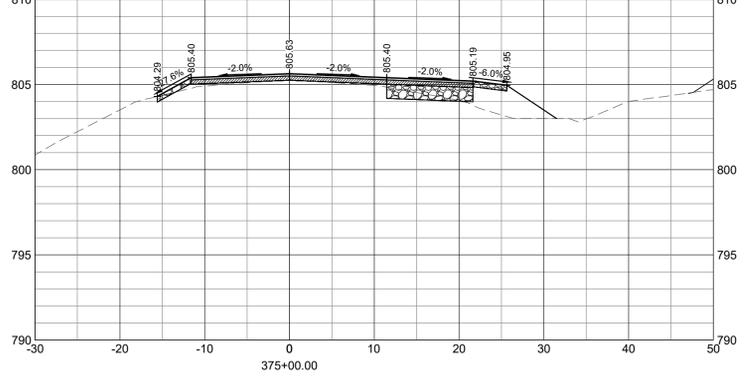
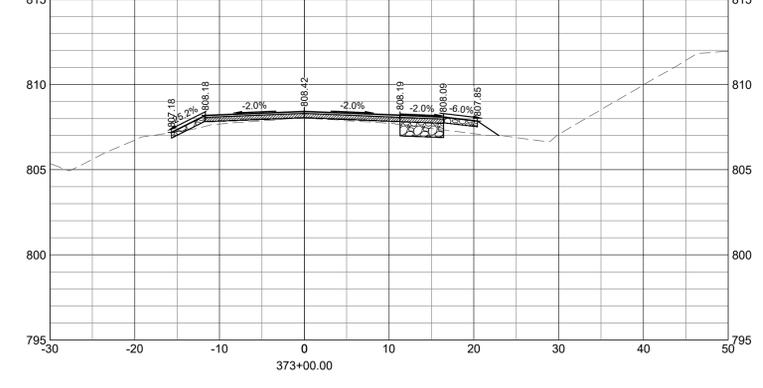
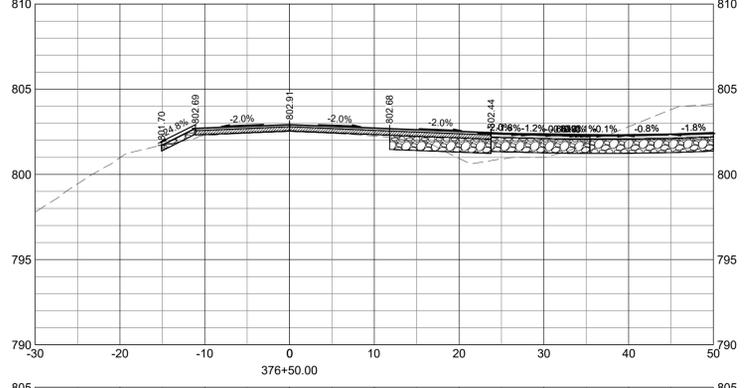
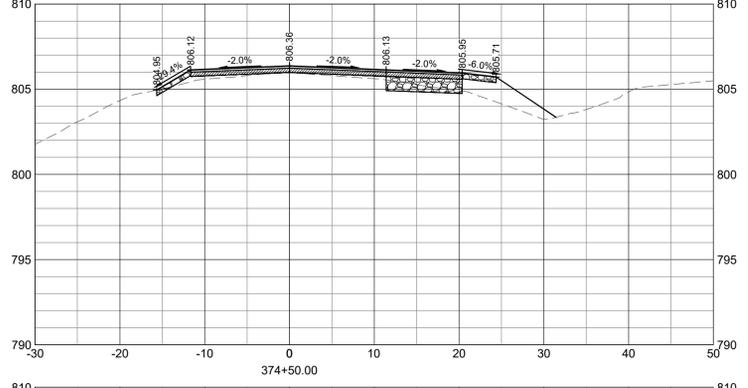
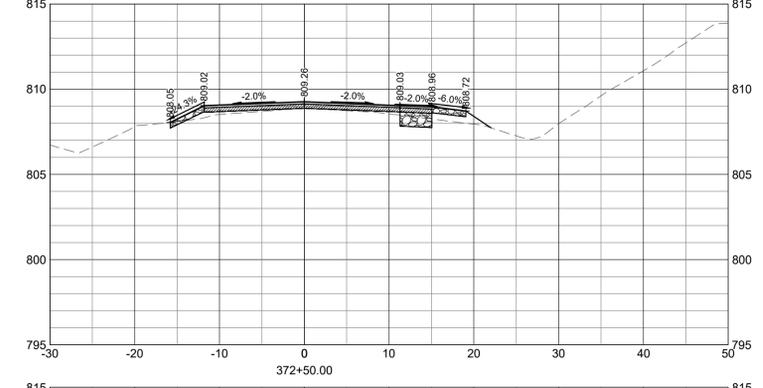
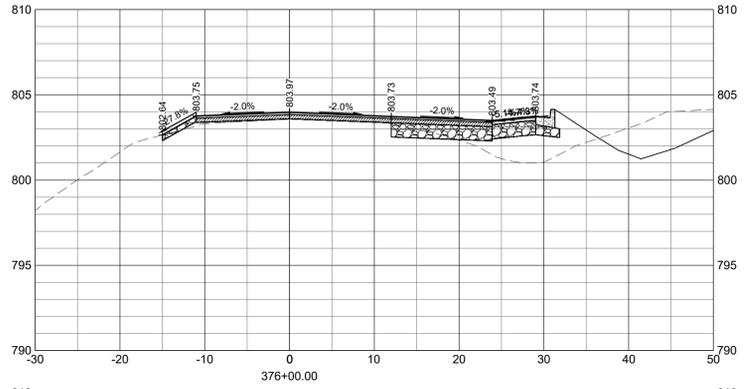
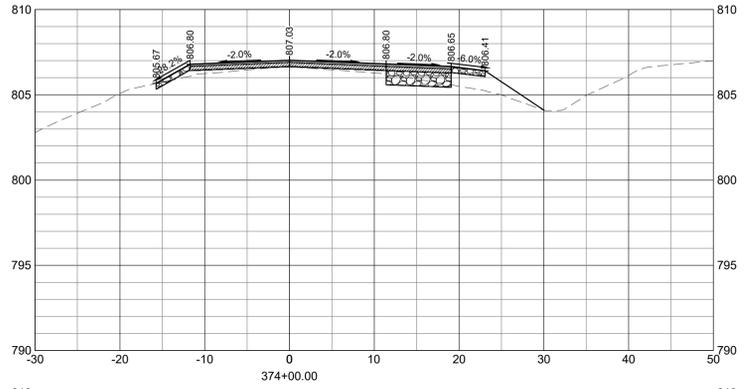
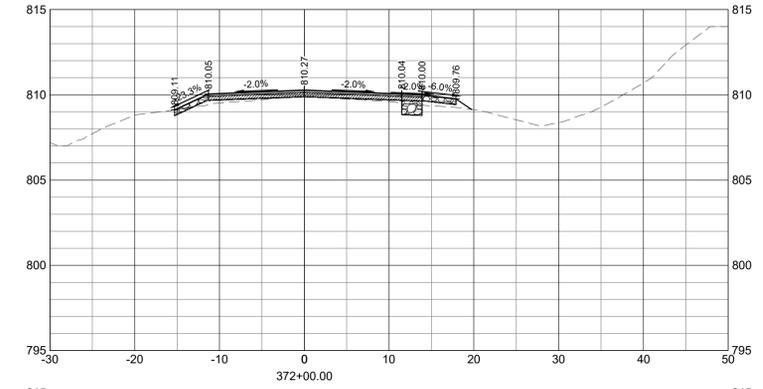
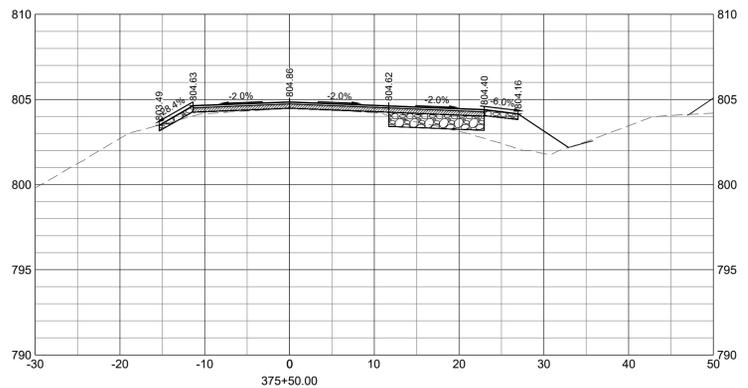
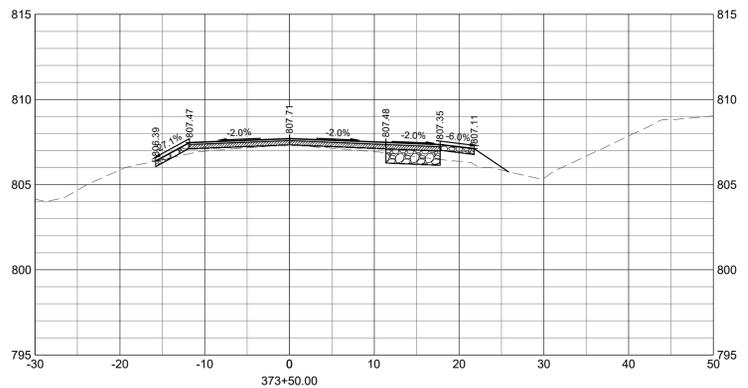
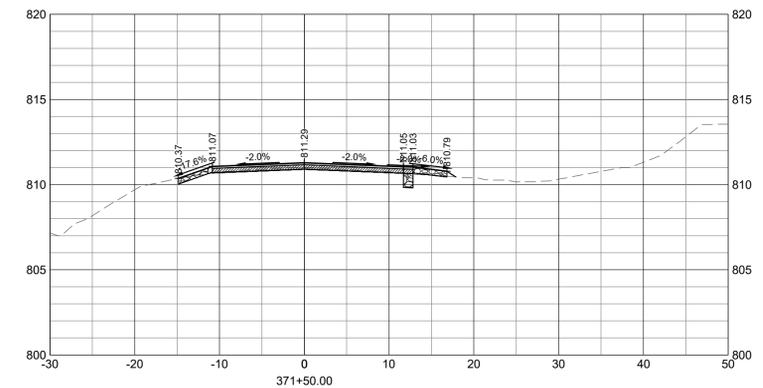
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**ROSCOE ROAD  
CROSS SECTIONS  
STA. 371+50 TO  
377+00**

DRAWN: MJH  
CHECKED: JSL  
PM: JSL

PROJECT NUMBER  
SHEET NUMBER

**22012  
C17**



PROJECT NAME  
OWNER'S NAME

**HAWKS POINTE  
PLAT 5**

HAWKS POINTE TRAIL  
ROSCOE, IL 61073  
WINNEBAGO COUNTY

WHITE OAK TRUST  
1020 BENBROOK DRIVE  
LOVES PARK, IL 61111

CONSULTANTS

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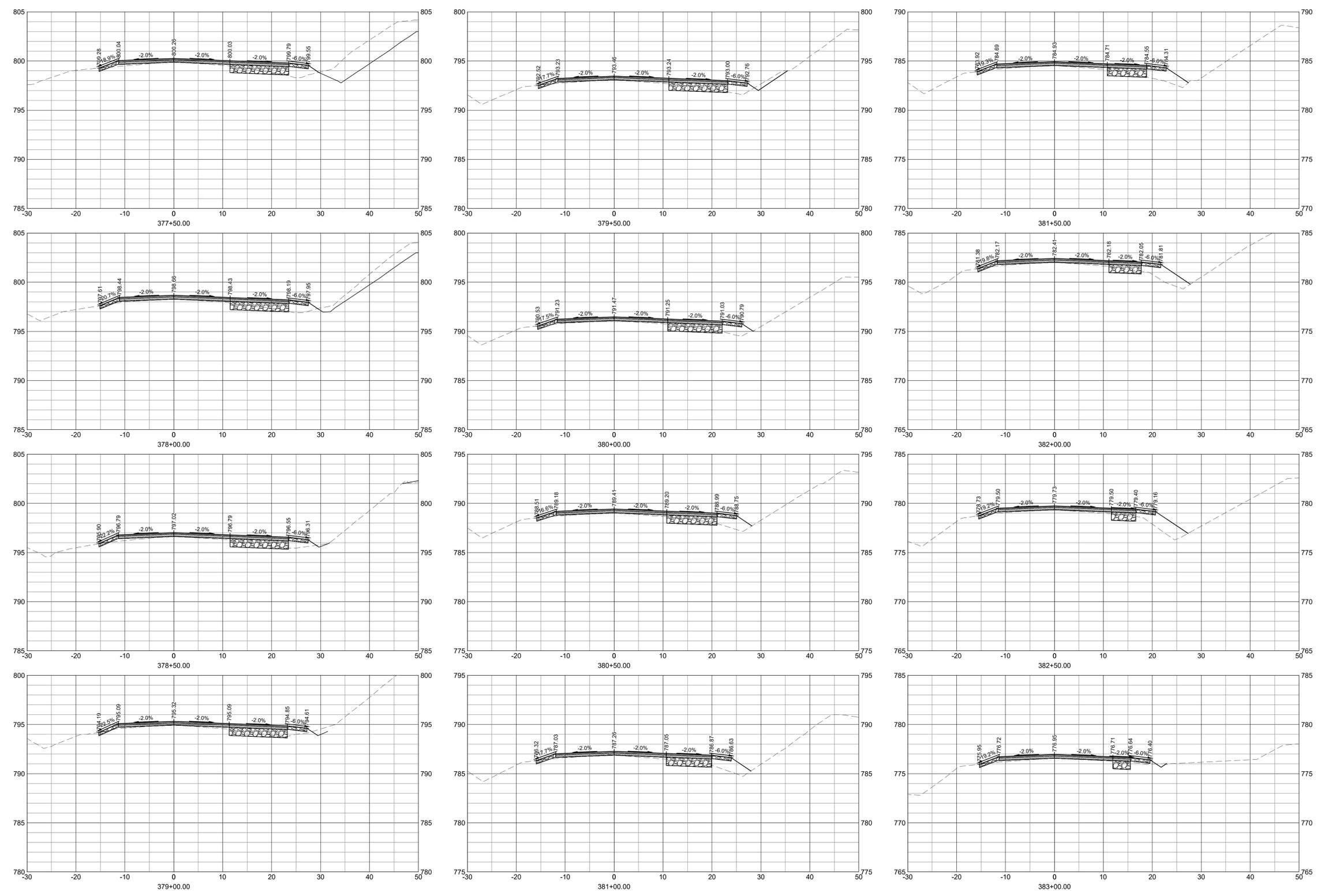
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CROSS SECTIONS  
STA. 377+50 TO  
383+00**

DRAWN: MJH  
CHECKED: JSL  
PM: JSL

PROJECT NUMBER  
SHEET NUMBER

**22012**

**C18**



**ARC DESIGN**  
RESOURCES INC.

5281 ZENITH PARKWAY  
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Illinois Design Firm License No. 184-001334

PROJECT NAME  
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**HAWKS POINTE  
PLAT 5**

HAWKS POINTE TRAIL  
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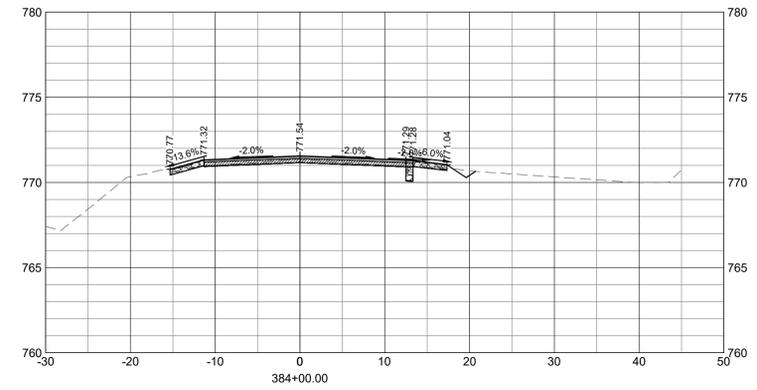
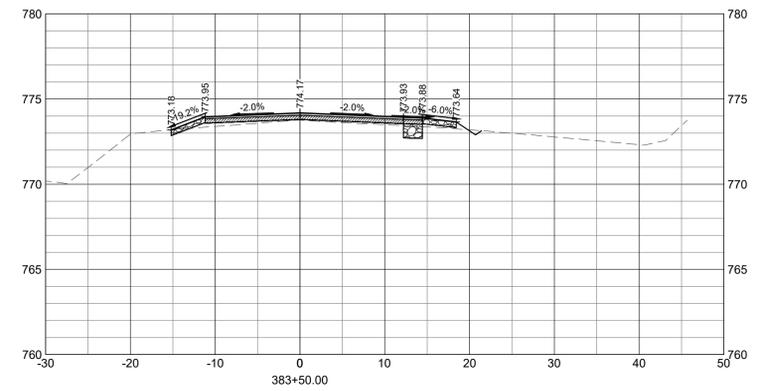
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CROSS SECTIONS  
STA. 383+50 TO  
384+00**

DRAWN: MJH  
CHECKED: JSL  
PM: JSL

PROJECT NUMBER  
SHEET NUMBER

**22012**

**C19**



PROJECT NAME  
OWNER'S NAME

**HAWKS POINTE  
PLAT 5**

HAWKS POINTE TRAIL  
ROSCOE, IL 61073  
WINNEBAGO COUNTY

WHITE OAK TRUST  
1020 BENBROOK DRIVE  
LOVES PARK, IL 61111  
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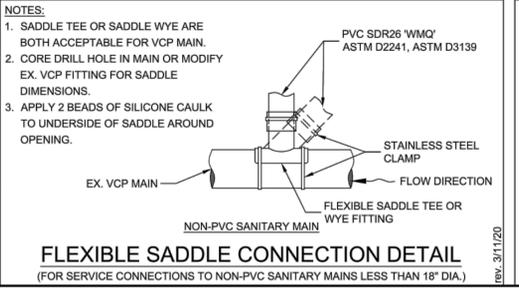
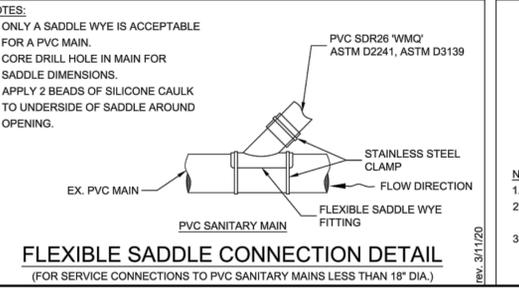
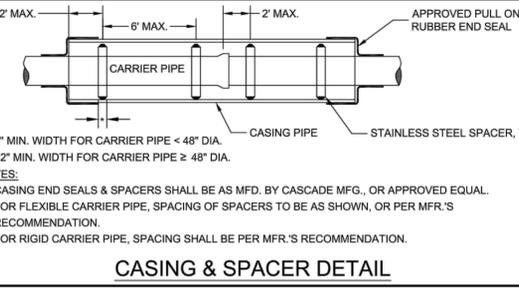
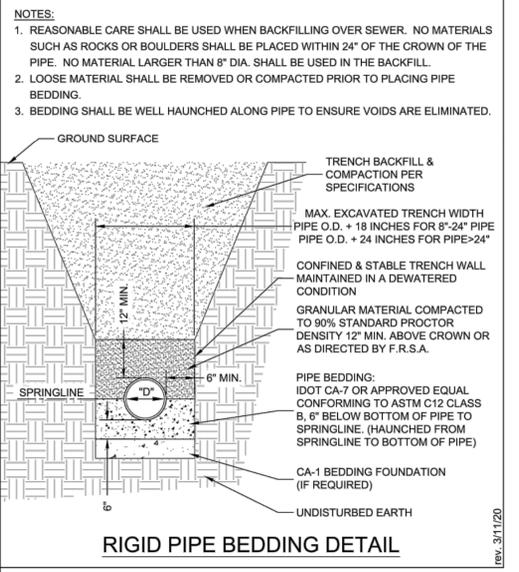
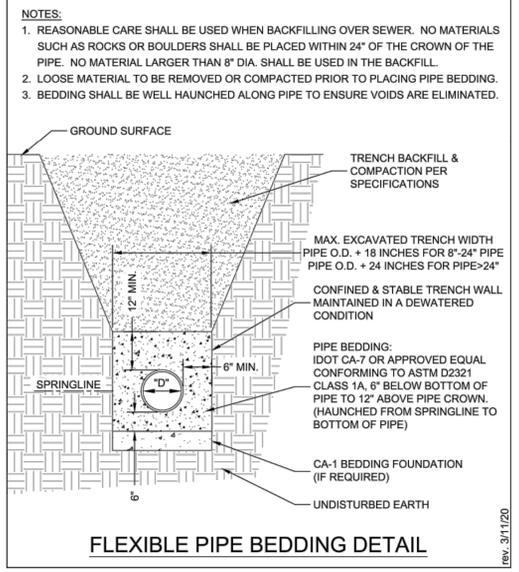
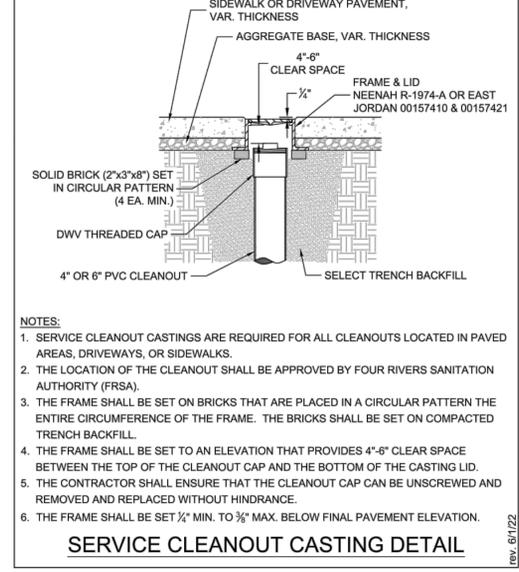
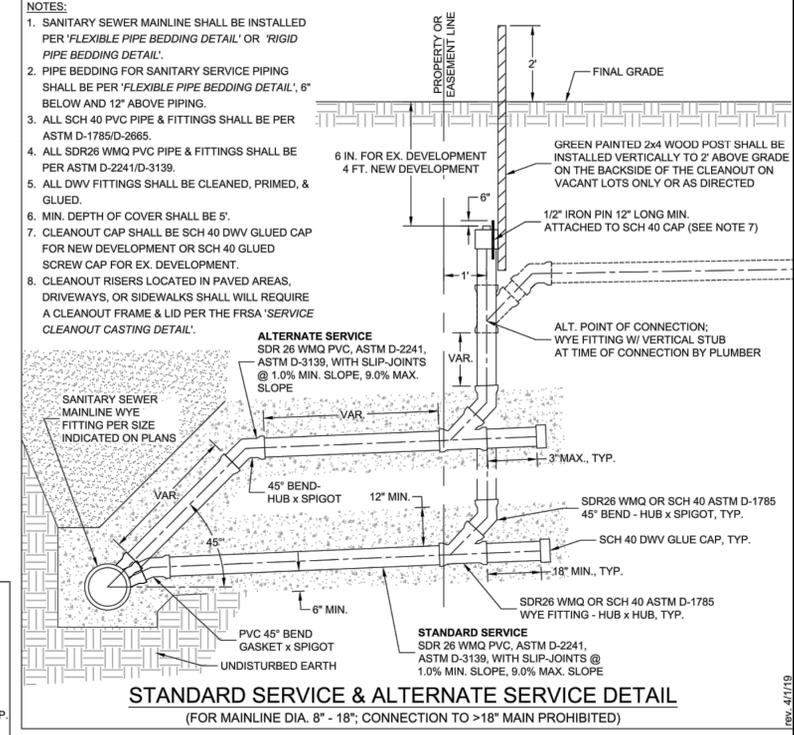
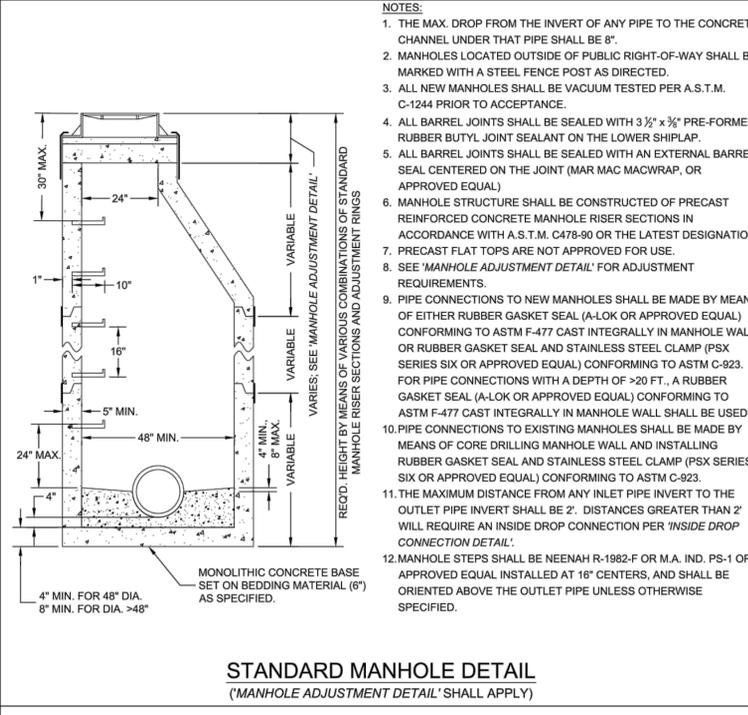
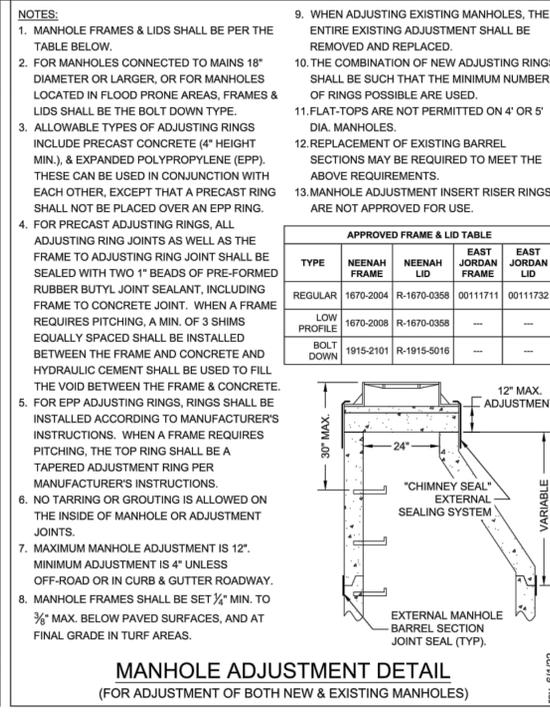
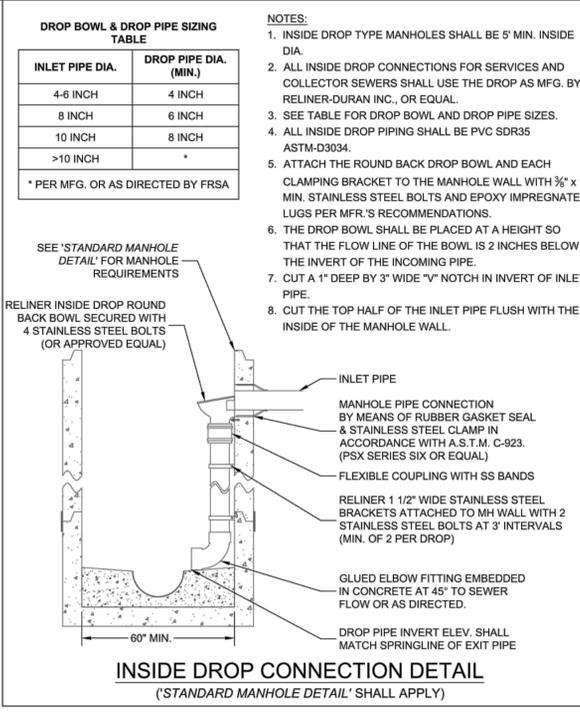
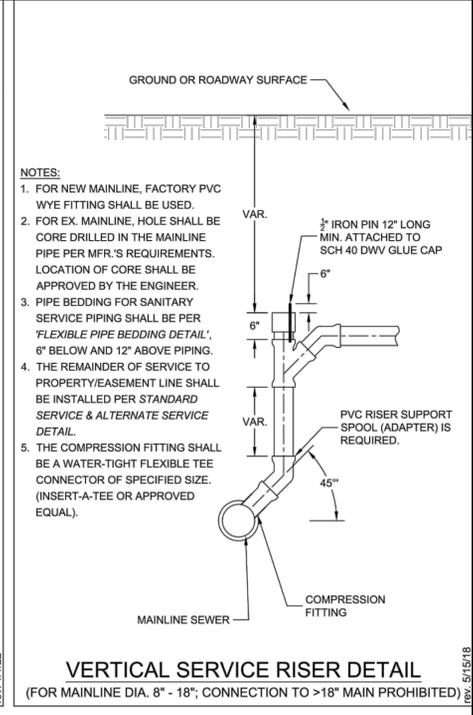
**FRSA STANDARD  
DETAILS**

DRAWN MJH  
CHECKED JSL  
PM JSL

PROJECT NUMBER  
SHEET NUMBER

**22012**

**C20**



**FOUR RIVERS SANITATION AUTHORITY (FRSA) STANDARD DETAIL SHEET**  
(NOT TO SCALE)

3501 KISHWAUKEE ST.  
ROCKFORD, ILLINOIS 61109 PH. (815) 387-7660

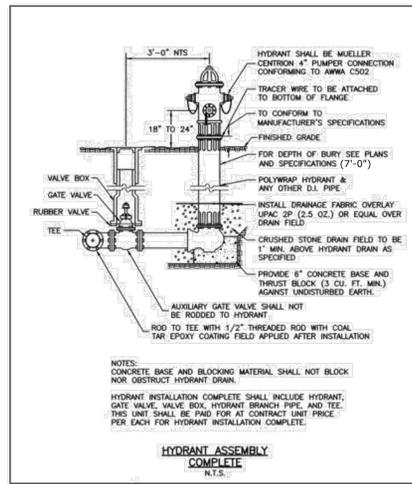
ISSUE  
06/01/2022



01/01/2021 Revisions: Revised notes 1 & 2 with acceptable frames & lids. Modified notes 3, 5, & 7. Added note 8. Revisions Rock River Remediation District to Four Rivers Sanitation Authority. Deleted note 4. Deleted note 6. Deleted note 7. Deleted note 8. Deleted note 9. Deleted note 10. Deleted note 11. Deleted note 12. Deleted note 13. Deleted note 14. Deleted note 15. Deleted note 16. Deleted note 17. Deleted note 18. Deleted note 19. Deleted note 20. Deleted note 21. Deleted note 22. Deleted note 23. Deleted note 24. Deleted note 25. Deleted note 26. Deleted note 27. Deleted note 28. Deleted note 29. Deleted note 30. Deleted note 31. Deleted note 32. Deleted note 33. Deleted note 34. Deleted note 35. Deleted note 36. Deleted note 37. Deleted note 38. Deleted note 39. Deleted note 40. Deleted note 41. Deleted note 42. Deleted note 43. Deleted note 44. Deleted note 45. Deleted note 46. Deleted note 47. Deleted note 48. Deleted note 49. Deleted note 50. Deleted note 51. Deleted note 52. Deleted note 53. Deleted note 54. Deleted note 55. Deleted note 56. Deleted note 57. Deleted note 58. Deleted note 59. Deleted note 60. Deleted note 61. Deleted note 62. Deleted note 63. Deleted note 64. Deleted note 65. Deleted note 66. Deleted note 67. Deleted note 68. Deleted note 69. Deleted note 70. Deleted note 71. Deleted note 72. Deleted note 73. Deleted note 74. Deleted note 75. Deleted note 76. Deleted note 77. Deleted note 78. Deleted note 79. Deleted note 80. Deleted note 81. Deleted note 82. Deleted note 83. Deleted note 84. Deleted note 85. Deleted note 86. Deleted note 87. Deleted note 88. Deleted note 89. Deleted note 90. Deleted note 91. Deleted note 92. Deleted note 93. Deleted note 94. Deleted note 95. Deleted note 96. Deleted note 97. Deleted note 98. Deleted note 99. Deleted note 100.

Revised September 2022

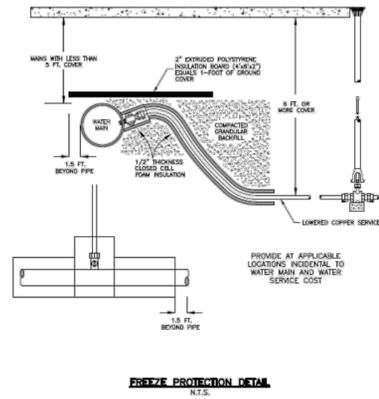
5.03 Typical Standard Details  
5.03.1 Fire Hydrant Installation



37

Revised September 2022

5.03.10 Freeze Protection Detail

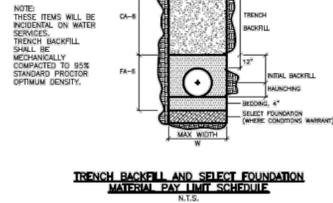


46

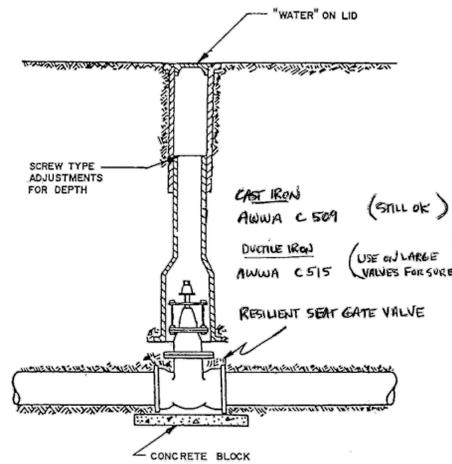
Revised September 2022

5.03.12 Trench Backfill and Select Foundation Material Pay Limit Schedule

- THE CONTRACTOR SHALL INSURE THAT ALL TRENCHING OPERATIONS CONFORM TO THE LATEST OSHA REGULATIONS.
- PIPE BEDDING MATERIAL AND GRANULAR BACKFILL MATERIAL SHALL BE THE SAME AS TRENCH BACKFILL MATERIAL.
- GRANULAR BACKFILL AND BEDDING MATERIAL SHALL BE INCIDENTAL TO THE CONTRACT.
- TRENCH BACKFILL MATERIAL SHALL BE COMPACTED AT A MAXIMUM OF 12" INCREMENTS TO SURE STANDARD PROCTOR OPTIMUM DENSITY.
- APPROVED EXCAVATED MATERIAL SHALL MEET THE REQUIREMENTS OF ARTICLE 1003.04 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. NO COMPROMISE WILL BE ALLOWED AS TRENCH BACKFILL FOR THE PORTION OF THE TRENCH BACKFILLED WITH EXCAVATED MATERIAL.
- AG-LIME (FA20/FA21) WILL NOT BE ALLOWED FOR TRENCH BACKFILL MATERIAL.
- BEDDING, HAUNCHING, AND INITIAL BACKFILL SHALL BE SAND. TRENCH BACKFILL SHALL BE CA-8.

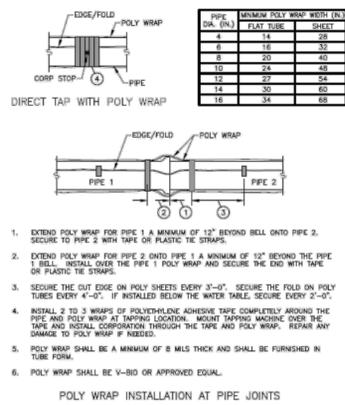


48



Revised September 2022

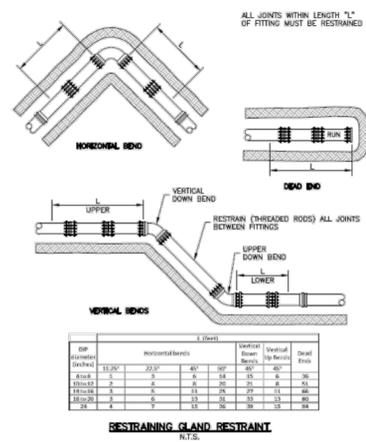
5.03.9 Polyethylene Encasement (Poly Wrap) Installation Detail



45

Revised September 2022

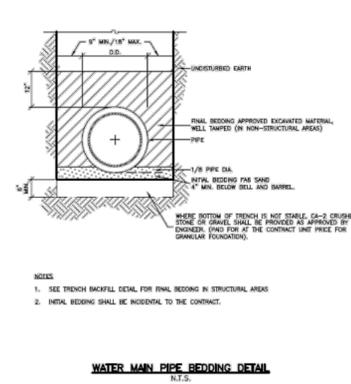
5.03.11 Restraining Gland Restraint



47

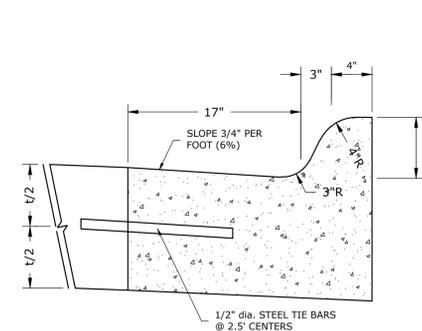
Revised September 2022

5.03.13 Water Main Pipe Bedding Detail



49

CONCRETE CURB & GUTTER, TYPE M-6.18 (MODIFIED)



THICKNESS (t) = THICKNESS OF PAVEMENT AND GUTTER FLAG.

ADJACENT PCC PAVEMENT - ADJACENT PCC PAVEMENT OR BASE COURSE LESS THAN 1' IN WIDTH SHALL BE CONSTRUCTED MONOLITHIC WITH THE CURB AND GUTTER. THIS AREA OF PAVEMENT WILL BE INCLUDED IN THE MEASURED AREA OF THE ADJACENT PAVEMENT.

DEPRESSED CURBS - THE TOP OF CURBS SHALL BE DEPRESSED WHERE THE CURB AND GUTTER IS CONSTRUCTED ACROSS ALLEYS AND FOR PRIVATE DRIVES OR WHERE DIRECTED BY ENGINEER. THE TRANSITION FROM FULL HEIGHT CURB TO DEPRESSED CURB SHALL BE MADE AT THE RATE OF 3" PER FOOT OF LENGTH OR FLATTER.

JOINTS - JOINTS SHALL BE CONSTRUCTED AS DETAILED HEREON. JOINTS SHALL BE PLACED IN PROLONGATION WITH PAVEMENT JOINTS. EXPANSION JOINTS ADJACENT TO DRAINAGE CASTINGS MAY BE PLACED IN PROLONGATION WITH OTHER JOINT TYPES.

SUBGRADE - 12" THICK IMPROVED SUBGRADE SHALL EXTEND TO THE BACK OF CURB.

MONOLITHIC CONSTRUCTION - CURBS AND COMBINATION CURB AND GUTTER MAY BE CONSTRUCTED MONOLITHICALLY WITH PCC PAVEMENT AT THE OPTION OF THE CONTRACTOR. TIE BARS BETWEEN PAVEMENT AND GUTTER WILL NOT BE REQUIRED. PAVEMENT REINFORCEMENT (WHEN REQUIRED) SHALL BE EXTENDED LATERALLY TO WITHIN 3" TO 5" FROM THE BACK OF THE CURB.

CURB AND COMBINATION CURB AND GUTTER MAY BE CONSTRUCTED MONOLITHICALLY WITH PCC BASE COURSE. TIE BARS WILL BE REQUIRED. TIE BARS SHALL BE HELD IN PROPER LOCATION BY SUPPORT PINS AND APPROVED MECHANICAL MEANS.

LONGITUDINAL JOINTS BETWEEN THE PCC PAVEMENT OR PCC BASE COURSE AND CURB OR COMBINATION CURB AND GUTTER WILL NOT BE REQUIRED.

SLIPFORM CONSTRUCTION - VERTICAL FACES MAY BE BATTERED AT THE RATE OF 3/4" PER FOOT OF HEIGHT TO AID IN SLIPFORM OPERATIONS.

TIE BARS/DOWEL BARS - LONGITUDINAL JOINT TIE BARS SHALL BE IN ACCORDANCE WITH DETAILS FOR BULKHEAD LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 2323. TRANSVERSE JOINT USE ONE TIE/DOWEL BAR FOR GUTTER WIDTH LESS THAN 18" PLACED AT MIDPOINT. TIE/DOWEL BARS IN THE TRANSVERSE HINGE/CONTRACTION JOINTS WILL NOT BE REQUIRED FOR NON-MONOLITHIC CONSTRUCTION.

t SHALL BE 9" MINIMUM WHEN ADJACENT TO FLEXIBLE PAVEMENT.

EXPANSION JOINTS AT 100' INTERVALS AND AT CONSTRUCTION JOINTS INCLUDING 1" PREMOULDED JOINT FILLER AND 1" SMOOTH DOWELS (2).

CONSTRUCTION JOINTS AT 25' INTERVALS.

**ARC DESIGN RESOURCES INC.**

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Illinois Design Firm License No. 184-001334

PROJECT NAME  
OWNER'S NAME

**HAWKS POINTE PLAT 5**

HAWKS POINTE TRAIL  
ROSCOE, IL 61073  
WINNEBAGO COUNTY

WHITE OAK TRUST  
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LOVES PARK, IL 61111  
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SHEET TITLE

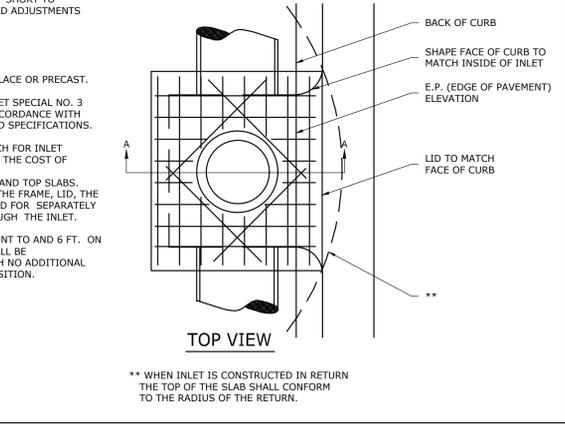
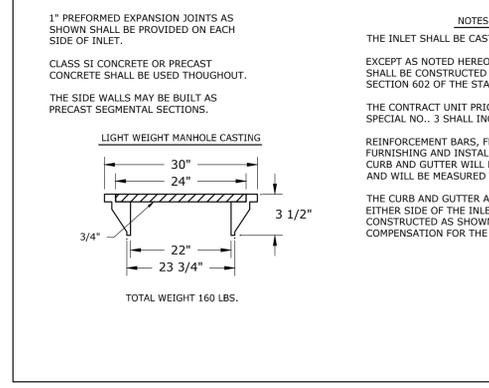
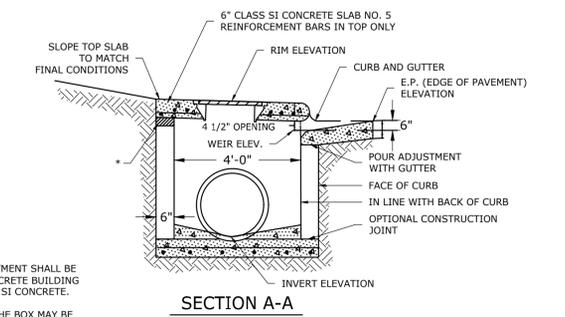
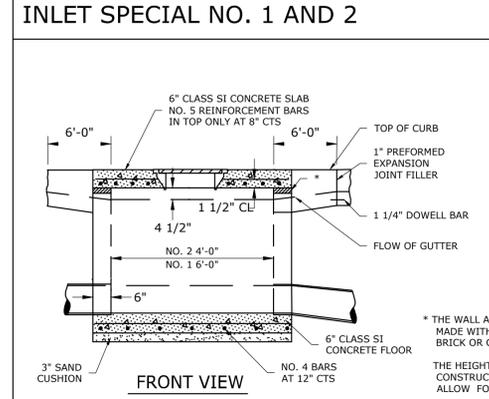
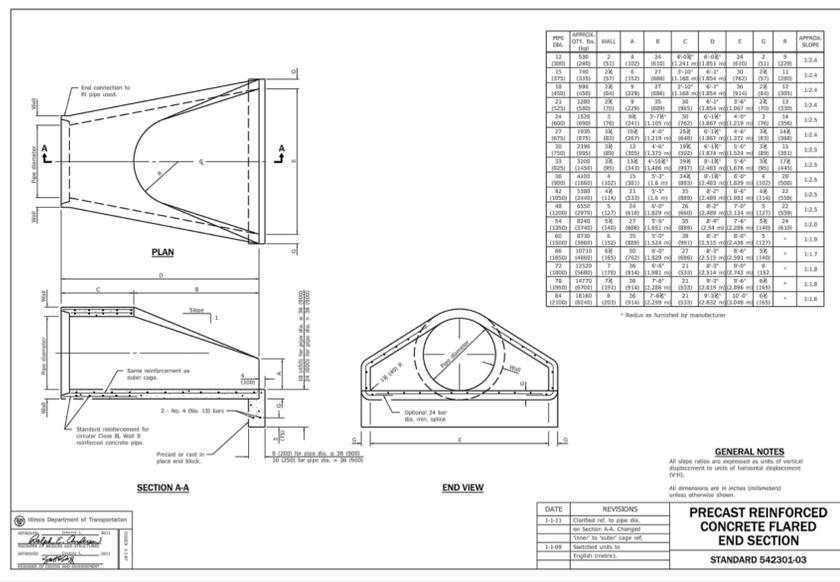
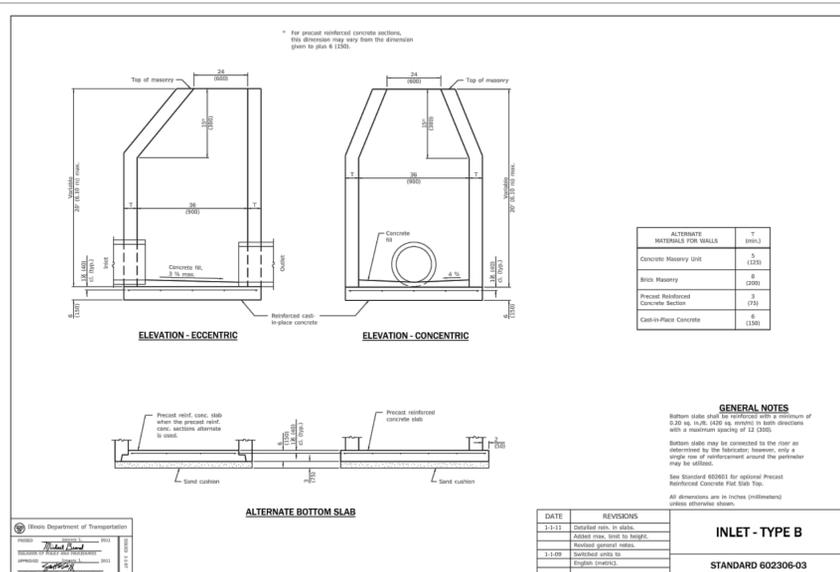
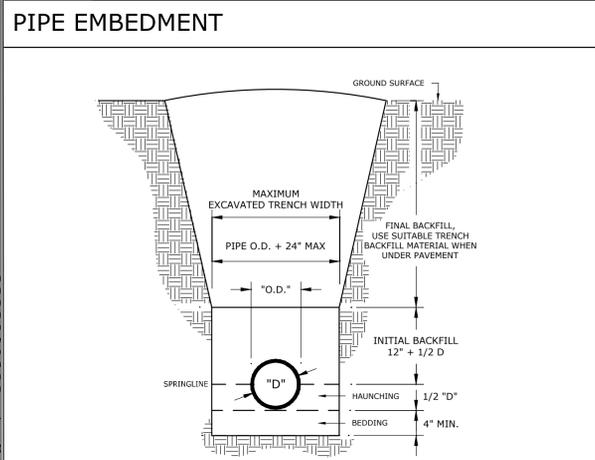
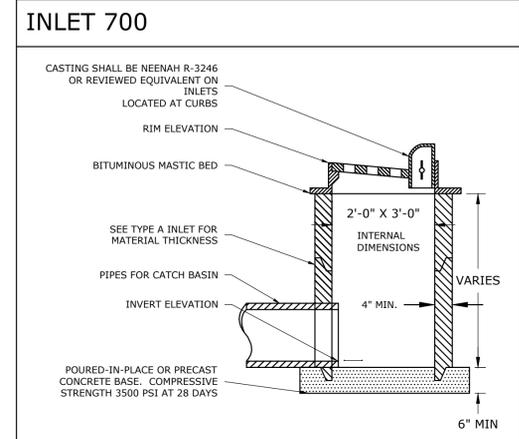
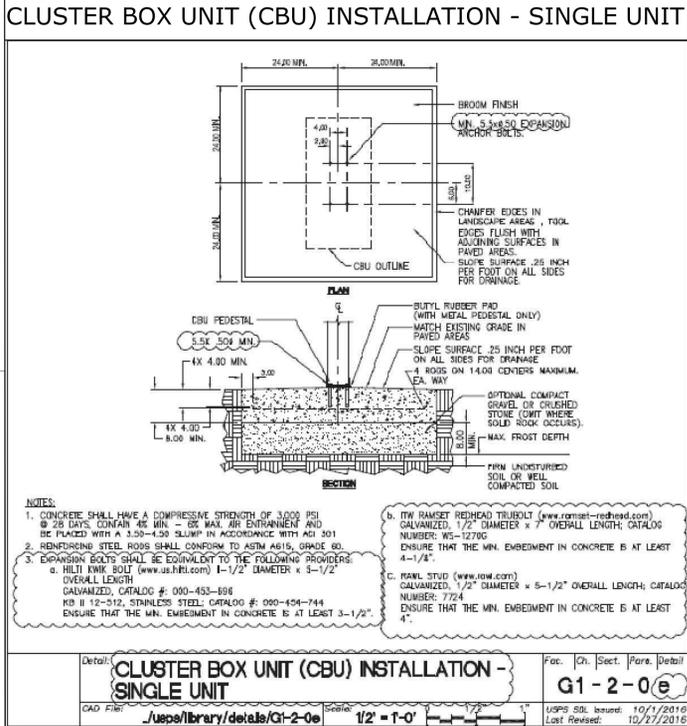
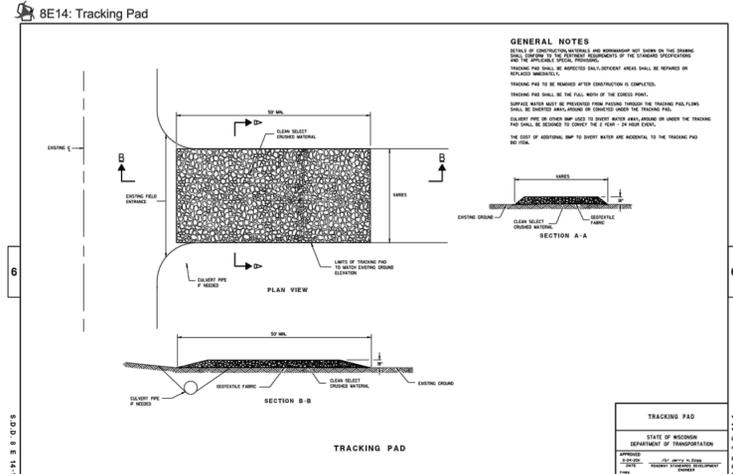
**DETAILS**

|         |     |
|---------|-----|
| DRAWN   | MJH |
| CHECKED | JSL |
| PM      | JSL |

PROJECT NUMBER  
SHEET NUMBER

**22012**

**C21**



**ARC DESIGN RESOURCES INC.**

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VOICE: (815) 484-4300  
FAX: (815) 484-4303

www.arcdesign.com  
Illinois Design Firm License No. 184-001334

PROJECT NAME  
OWNER'S NAME

**HAWKS POINTE PLAT 5**

HAWKS POINTE TRAIL  
ROSCOE, IL 61073  
WINNEBAGO COUNTY

WHITE OAK TRUST  
1020 BENBROOK DRIVE  
LOVES PARK, IL 61111

CONSULTANTS

ISSUED FOR

| NO. | AGENCY REVIEW   | DATE       |
|-----|-----------------|------------|
| 1.  | AGENCY REVIEW   | 08-03-2022 |
| 2.  | AGENCY APPROVAL | 09-29-2022 |
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| 4.  | AGENCY APPROVAL | 11-16-2022 |
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REVISIONS

| ITEM | DATE |
|------|------|
| 1.   | .... |
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SHEET TITLE

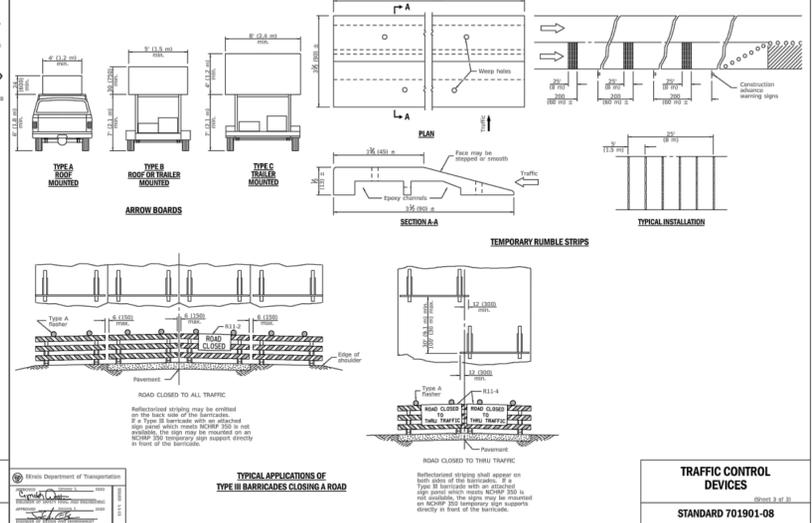
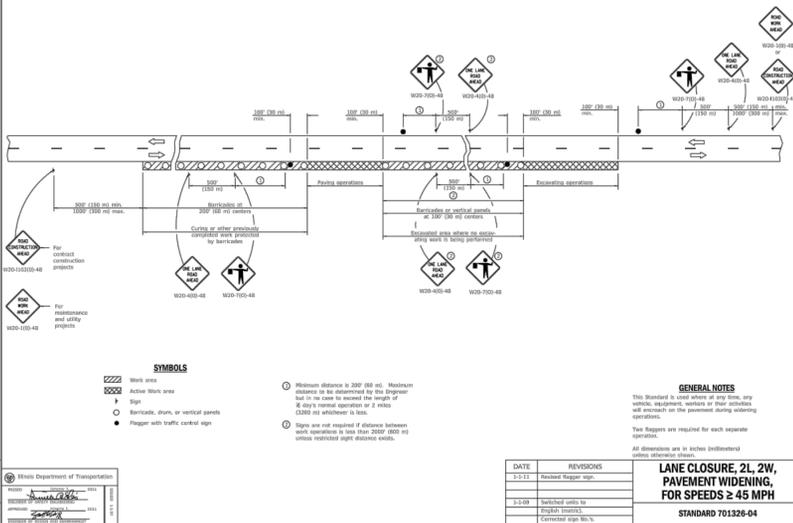
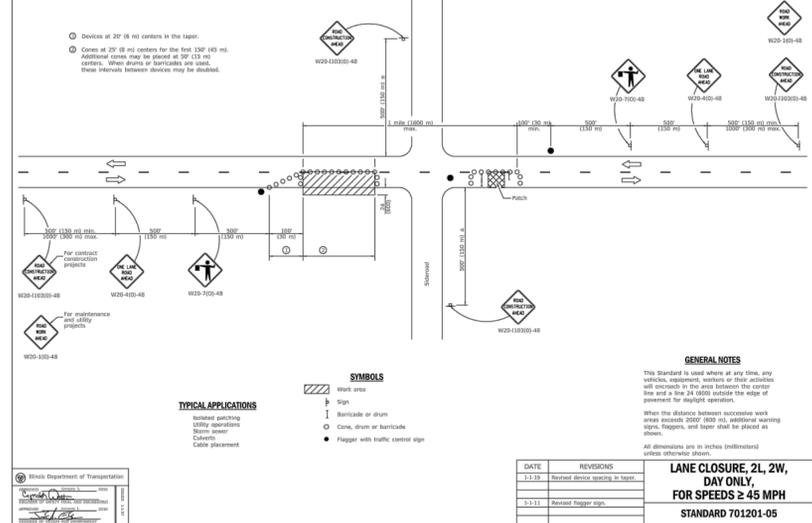
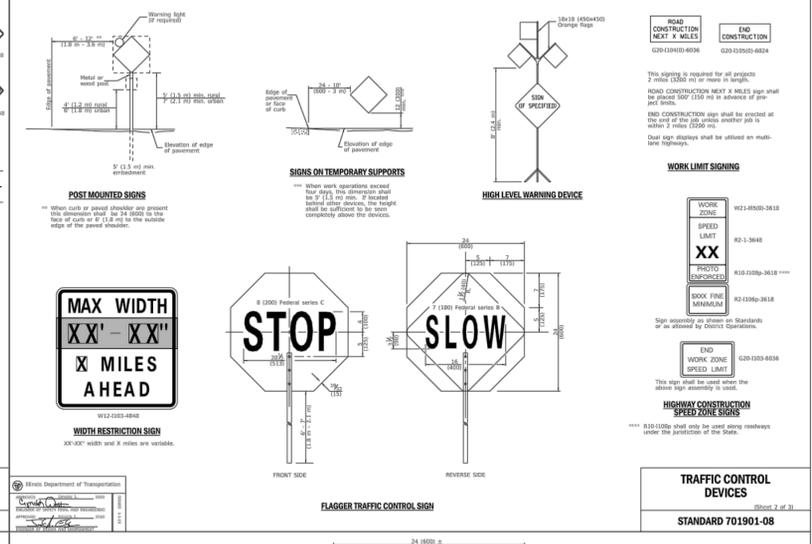
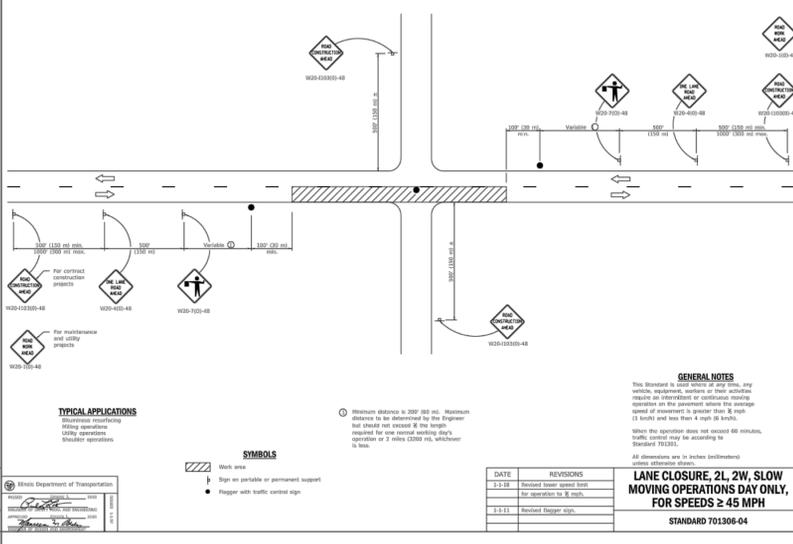
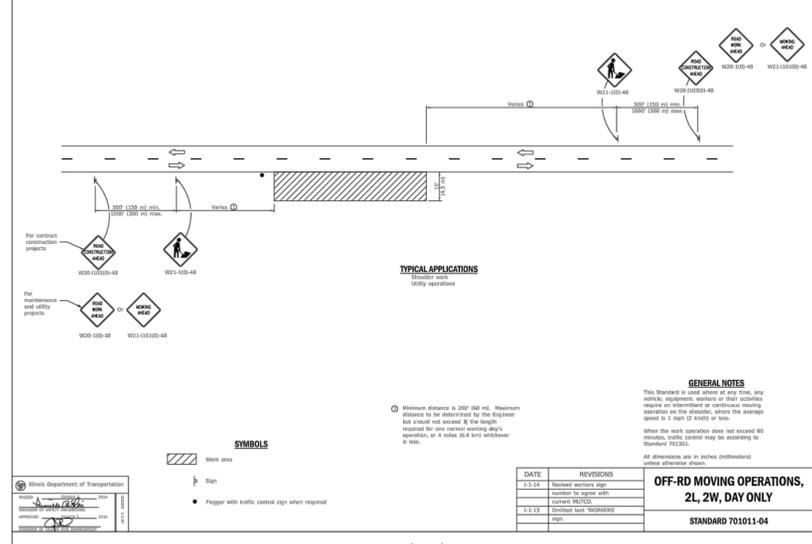
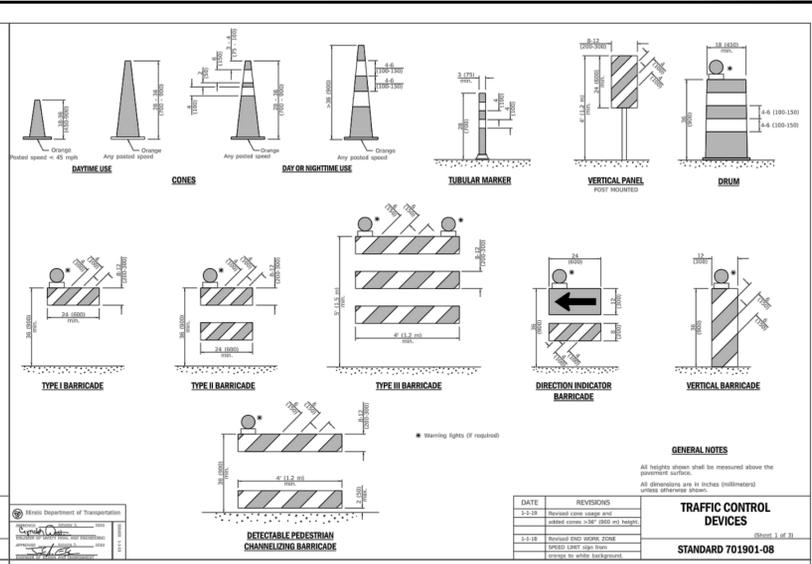
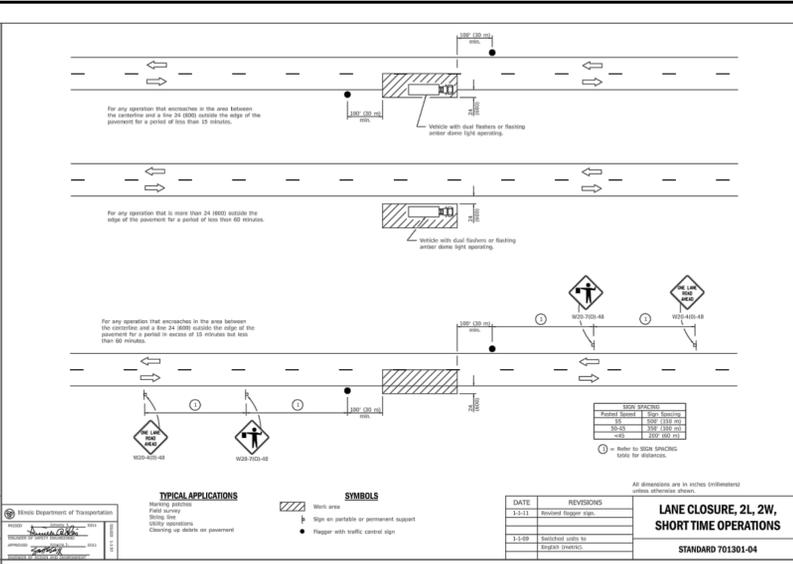
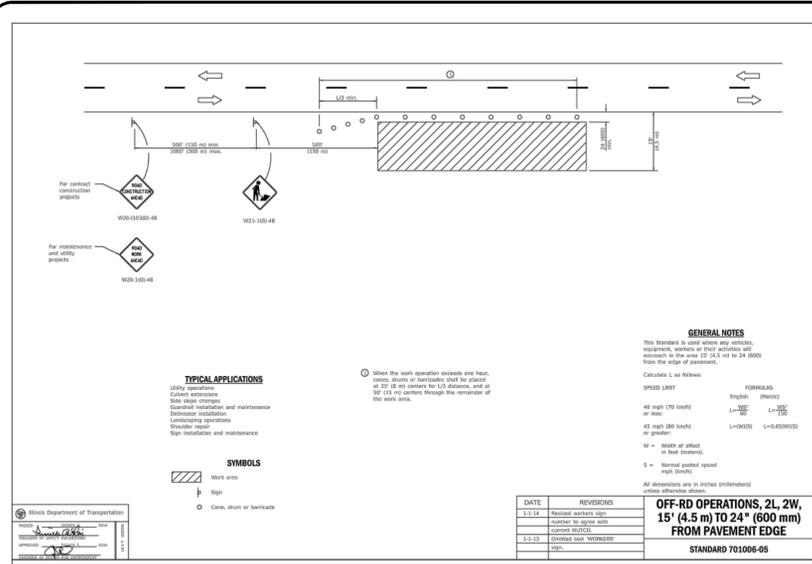
**DETAILS**

DRAWN MJH  
CHECKED JSL  
PM JSL

PROJECT NUMBER  
SHEET NUMBER

**22012**

**C22**



**ARC DESIGN RESOURCES INC.**  
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CONSULTANTS

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REVISIONS

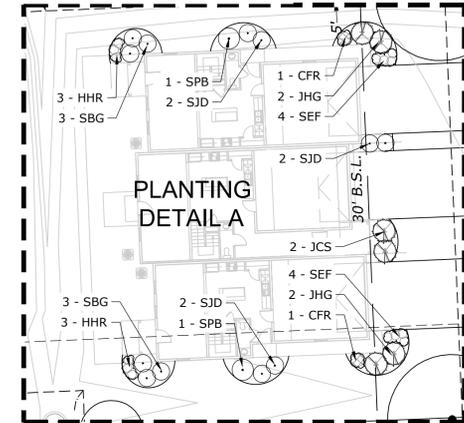
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| 5.  | ....        | .... |
| 6.  | ....        | .... |

SHEET TITLE  
**DETAILS**  
 DRAWN: MJH  
 CHECKED: JSL  
 PM: JSL

PROJECT NUMBER  
 SHEET NUMBER  
**22012**  
**C23**

TYPICAL BUILDING PLANTING DETAILS

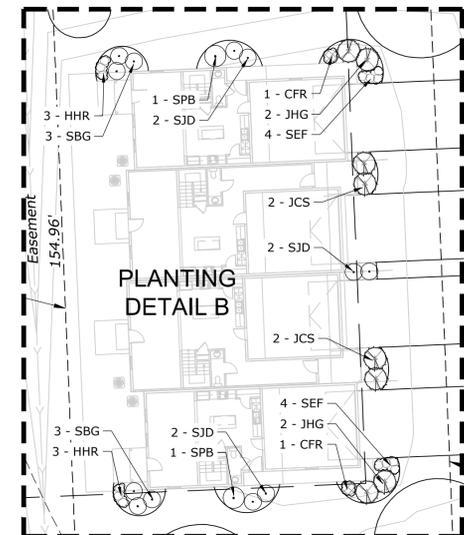
PLANTING DETAIL 'A'



PLANT LIST - PLANTING DETAIL 'A' OCCURS 3 TIMES

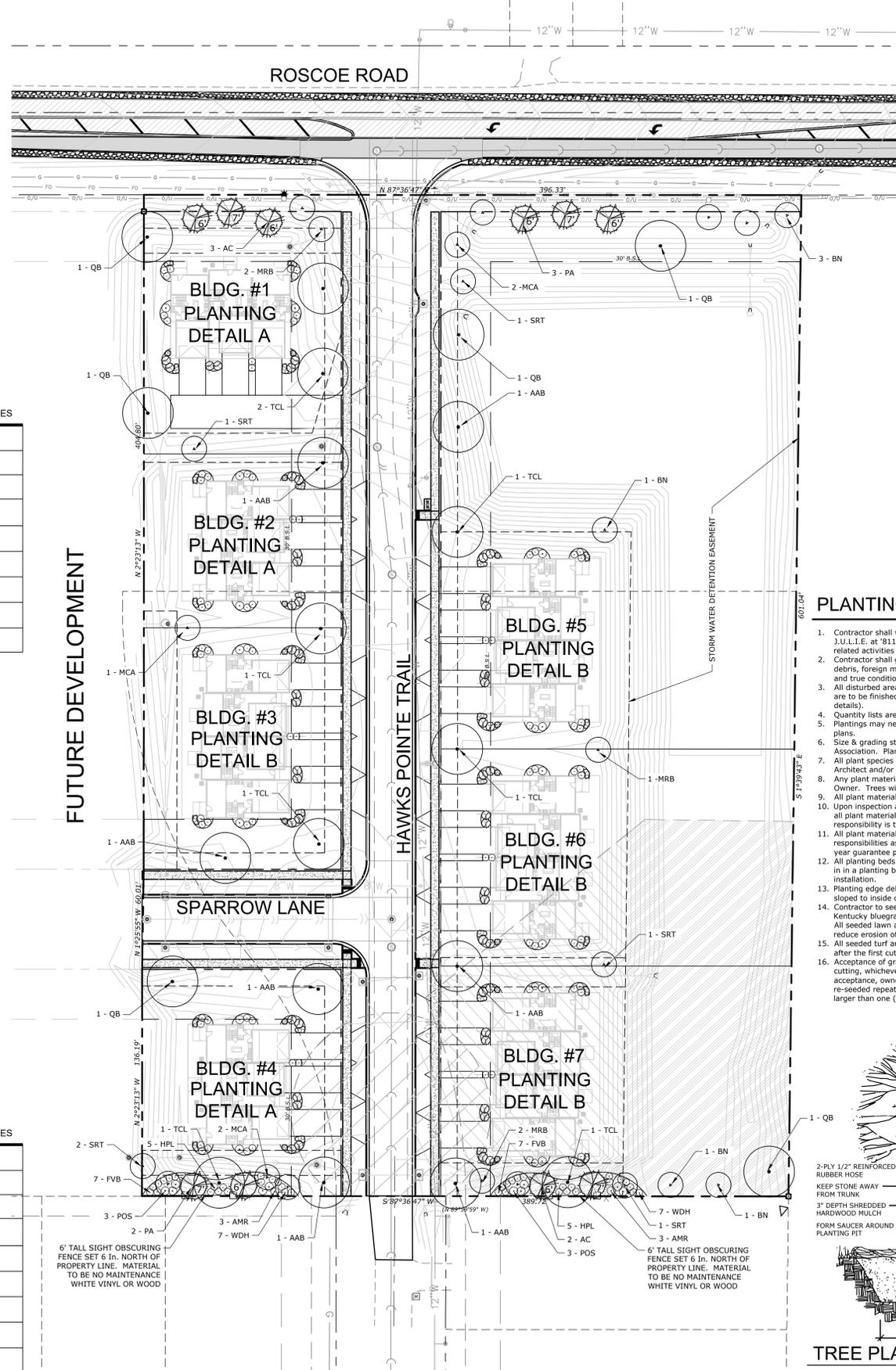
| KEY | QTY | Botanical name<br>COMMON NAME                                      | SIZE        | REMARKS                 |
|-----|-----|--|-------------|-------------------------|
| JCS | 2   | Juniperus chinensis x sargentii 'Viridis'<br>GREEN SARGENT JUNIPER | 5 GAL       | EVERGREEN               |
| JHG | 4   | Juniperus horizontalis 'Hegeodus'<br>GOOD VIBRATIONS GOLD JUNIPER  | 5 GAL       | EVERGREEN               |
| SBG | 6   | Spiraea betulifolia 'Glow Girl'<br>GLOW GIRL TOR SPIREA            | 24" / 5 GAL |                         |
| SJD | 6   | Spiraea japonica 'Double Play'<br>DOUBLE-PLAY ARTISAN SPIREA       | 24"         |                         |
| SPB | 2   | Syringa patula x 'Bloomerang'<br>DWARF REBLOOMING KOREAN LILAC     | 24" / 5 GAL |                         |
| CFR | 2   | Calamagrostis acutiflora 'Karl Forster'<br>FEATHER REED GRASS      | GAL         | 3'-0" O.C. - ORN. GRASS |
| HHR | 6   | Hemerocallis 'Happy Returns'<br>HAPPY RETURNS DAYLILY              | GAL         | 2'-0" O.C. - PERENNIAL  |
| SEF | 8   | Salvia x 'East Friesland'<br>FRIESLAND MEADOW SAGE                 | GAL         | 2'-0" O.C. - PERENNIAL  |

PLANTING DETAIL 'B'

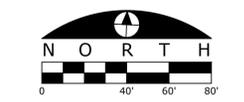
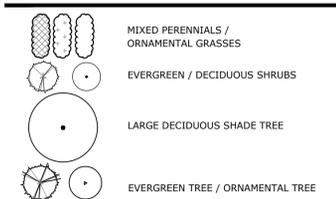


PLANT LIST - PLANTING DETAIL 'B' OCCURS 4 TIMES

| KEY | QTY | Botanical name<br>COMMON NAME                                      | SIZE        | REMARKS                 |
|-----|-----|--|-------------|-------------------------|
| JCS | 4   | Juniperus chinensis x sargentii 'Viridis'<br>GREEN SARGENT JUNIPER | 5 GAL       | EVERGREEN               |
| JHG | 4   | Juniperus horizontalis 'Hegeodus'<br>GOOD VIBRATIONS GOLD JUNIPER  | 5 GAL       | EVERGREEN               |
| SBG | 6   | Spiraea betulifolia 'Glow Girl'<br>GLOW GIRL TOR SPIREA            | 24" / 5 GAL |                         |
| SJD | 6   | Spiraea japonica 'Double Play'<br>DOUBLE-PLAY ARTISAN SPIREA       | 24"         |                         |
| SPB | 2   | Syringa patula x 'Bloomerang'<br>DWARF REBLOOMING KOREAN LILAC     | 24" / 5 GAL |                         |
| CFR | 2   | Calamagrostis acutiflora 'Karl Forster'<br>FEATHER REED GRASS      | GAL         | 3'-0" O.C. - ORN. GRASS |
| HHR | 6   | Hemerocallis 'Happy Returns'<br>HAPPY RETURNS DAYLILY              | GAL         | 2'-0" O.C. - PERENNIAL  |
| SEF | 8   | Salvia x 'East Friesland'<br>FRIESLAND MEADOW SAGE                 | GAL         | 2'-0" O.C. - PERENNIAL  |



LEGEND

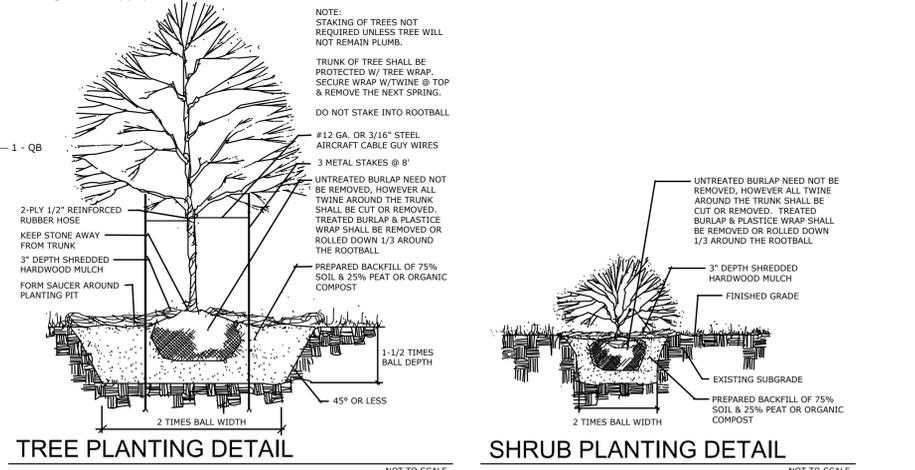


PLANT LIST - SITE TREES

| KEY | QTY   | Botanical name<br>COMMON NAME                                       | SIZE    | REMARKS                       |
|-----|-------|---|---------|-------------------------------|
| AAB | 7     | Acer freemanii 'Autumn Blaze'<br>AUTUMN BLAZE MAPLE                 | 2.5"    | HYBRID RED MAPLE              |
| AC  | 4 / 3 | Abies concolor<br>WHITE FIR   | 6' / 7' | EVERGREEN                     |
| BN  | 6     | Betula nigra<br>RIVER BIRCH   | 7'      | MULTISTEM                     |
| MCA | 5     | Malus x 'Adirondack'<br>ADIRONDACK CRABAPPLE                        | 7'      | MULTISTEM, UPRIGHT ORNAMENTAL |
| MRB | 5     | Malus x 'Red Baron'<br>RED BARON CRABAPPLE                          | 7'      | MULTISTEM, UPRIGHT ORNAMENTAL |
| PA  | 4 / 3 | Picea abies<br>NORWAY SPRUCE  | 6' / 7' | EVERGREEN                     |
| QB  | 6     | Quercus bicolor<br>SWAMP WHITE OAK                                  | 2.5"    |                               |
| TCL | 8     | Tilia cordata<br>LITTLE LEAF LINDEN                                 | 2.5"    |                               |
| SRT | 6     | Syringa reticulata<br>JAPANESE TREE LILAC                           | 7'      | MULTISTEM                     |
| AMR | 6     | Aronia melanocarpa<br>RED CHOKEBERRY                                | 30"     | DECIDUOUS SHRUB               |
| FVB | 14    | Forsythia viridissima 'Bronxensis'<br>DWARF FORSYTHIA               | 18"     | DECIDUOUS SHRUB               |
| HPL | 10    | Hydrangea paniculata 'Limelight Prime'<br>LIMELIGHT PRIME HYDRANGEA | 24"     | DECIDUOUS SHRUB               |
| POS | 6     | Physocarpus opulifolia 'Summer Wine'<br>SUMMER WINE PHYSOCARPUS     | 30"     | DECIDUOUS SHRUB               |
| WDH | 14    | Wiegela x 'Dark Horse'<br>DARK HORSE WIEGELA                        | 18"     | DECIDUOUS SHRUB               |

PLANTING NOTES

- Contractor shall verify locations of all underground utilities prior to beginning construction on his phase of work. Electric, gas, telephone, and cable television can be located by calling J.U.L.I.E. at '811'. For regional locating, contact 'Digger's Hotline'. Any damage or interruption of services shall be the responsibility of the contractor. Contractor to coordinate all related activities with other trades on the job and shall report any unacceptable job conditions to owner's representative prior to commencing work.
- Contractor shall grade entire site to correct surface irregularities in preparation for sod/seed. Roto-till, disc, drag, harrow or hand rake sub grade in all lawn areas and remove construction debris, foreign matter or stones larger than 2". Grading shall provide slopes which are smooth, continuous, free from depressions or ridges. Level, rake and roll as necessary to an even and true condition and obtain positive drainage in all areas. Finish grades shall meet the approval of owner prior to lawn installation.
- All disturbed areas should be brought to grade with "topsoil" to a depth of 6 inches in areas to be seeded or sodded, and 12 inches for all interior (curbed) landscape islands. All lawn areas are to be finished with mulch, straw mulch, seed, sod, etc. or as noted. All lawn areas to be watered until a healthy stand of grass is established. (See seed/sod notes for acceptance details).
- Quantity lists are supplied as a convenience; however, the contractor should verify all quantities. The drawings shall take precedence over the lists.
- Plantings may need to be adjusted in the field to accommodate utilities, easements, drainage ways, downspouts, etc.; however, quantities and sizes shall remain consistent with these plans.
- Size & grading standards of plant material shall conform to the latest addition of ANSI Z60.1 AMERICAN STANDARD OF NURSERY STOCK, by the American Nursery & Landscape Association. Plant material shall be nursery grown and be either balled and burlap or container grown.
- All plant species specified are subject to availability. Material shortages in the landscape industry may require substitutions. All substitutions must be approved by the Landscape Architect and/or Owner.
- Any plant materials with damaged or crooked/disfigured leaders, bark abrasion, sun scald, insect damage, etc. are not acceptable and will be rejected by Landscape Architect and/or Owner. Trees with multiple leaders will be rejected unless called for in the plant list as multi-stem or clump.
- All plant material, especially trees, must be sourced within a fifty (50) mile radius of the subject property or construction site.
- Upon inspection and acceptance of all landscape items by Landscape Architect and/or Owner the contractor shall assume maintenance responsibilities for a period of thirty (30) days, for all plant material, to include: watering, cultivating, weeding, pruning, mulching and spraying as necessary to keep plants free of insects and in a healthy, vigorous condition until responsibility is transferred to the owner (see below).
- All plant material shall be guaranteed for one (1) year after acceptance by landscape architect and/or owner. After the first thirty (30) days, the owner shall assume maintenance responsibilities as described (see above). Contractor shall replace without cost to owner any dead or unacceptable plants, as determined by the landscape architect at the end of one (1) year guarantee period. Contractor shall notify immediately, in writing, any concerns related to maintenance practices.
- All planting beds and tree saucers shall be mulched continuous with 3" depth shredded hardwood mulch, see planting details. All deciduous trees (shade / ornamental) that are not located in a planting bed shall be mulched with a 3'-0" diameter circle. Evergreen trees and multi-stemmed ornamental trees shall be mulched to outer-most branches at the time of installation.
- Planting edge delineation at all planting bed lines and tree saucers shall require a minimum 4" depth "vee" shaped cultivated, spaded edge with a vertical face abutting all lawn areas and sloped to inside of plant bed continuous between lawn and mulched areas as indicated on plan.
- Contractor to seed all disturbed lawn areas. Seeding to be a combination of bluegrass, perennial ryegrass and red fescue with the suggested following analysis by weight: 30% rugby Kentucky bluegrass, 20% park Kentucky bluegrass, 20% creeping red fescue, 20% scalds hard fescue, and 10% perennial ryegrass. Seed to be applied at rate of 4 lbs. per 1,000 s.f.. All seeded lawn areas shall be covered with straw mulch or erosion control netting, consisting of hand or machine application at a rate of 2 ton per acre. Mulch shall be compact enough to reduce erosion of seed and topsoil but loose enough to allow air to circulate. Install per Method 1, Section 251, of the Standard Specifications for Road and Bridge Construction.
- All seeded turf areas shall be fertilized at installation with 6-20-20 analysis, at a rate of 6 lbs. per 1,000 s.f.. A second application of 21-7-14 to be applied at rate of 6 lbs. per 1,000 s.f. after the first cutting. Acceptance and guarantee notes shall apply to all seeded areas.
- Acceptance of grading and seed shall be by landscape architect and/or owner. Contractor shall assume maintenance responsibilities for a minimum of sixty (60) days or until second cutting, whichever is longer. Maintenance shall include watering, weeding, re-seeding (wash-offs) and other operations necessary to keep lawn in a thriving condition. Upon final acceptance, owner shall assume all maintenance responsibilities. After lawn areas have germinated, areas which fail to show a uniform stand of grass for any reason whatsoever shall be re-seeded repeatedly until all areas are covered with a satisfactory stand of grass. Minimum acceptance of seeded lawn areas may include scattered bare or dead spots, none of which are larger than one (1) square foot and when combined do not exceed 2% of total lawn area.



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CONSULTANTS

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| 12. ---            | ---        |

SHEET TITLE

**LANDSCAPE PLAN**

|         |     |
|---------|-----|
| DRAWN   | MJH |
| CHECKED | JSL |
| PM      | JSL |

PROJECT NUMBER  
SHEET NUMBER

**22012**

L01