

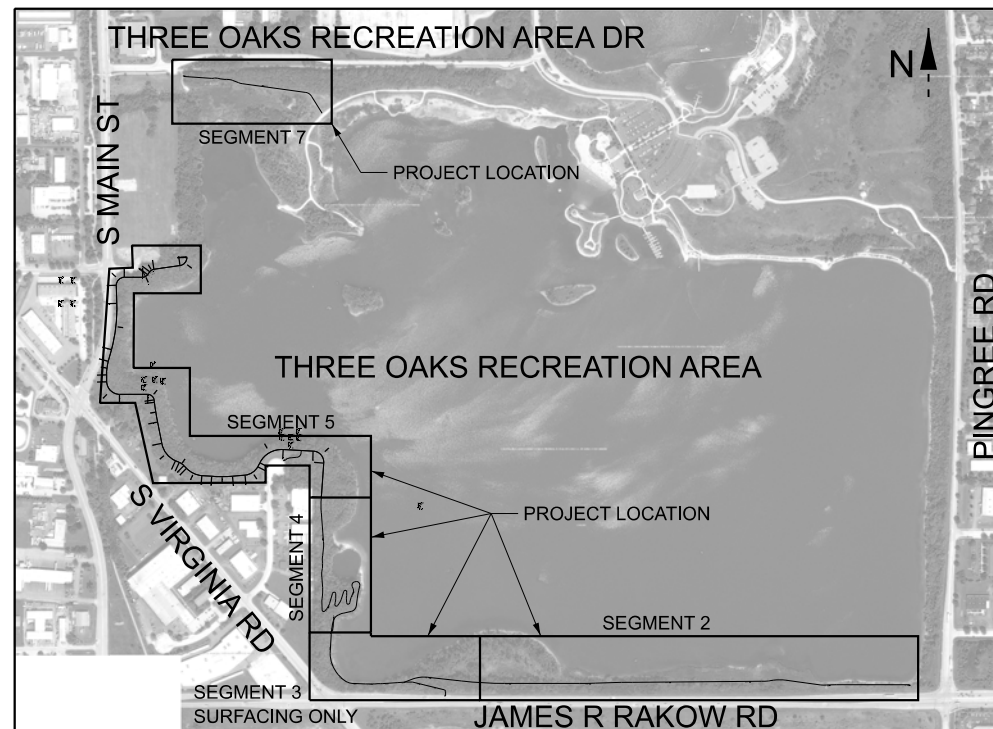
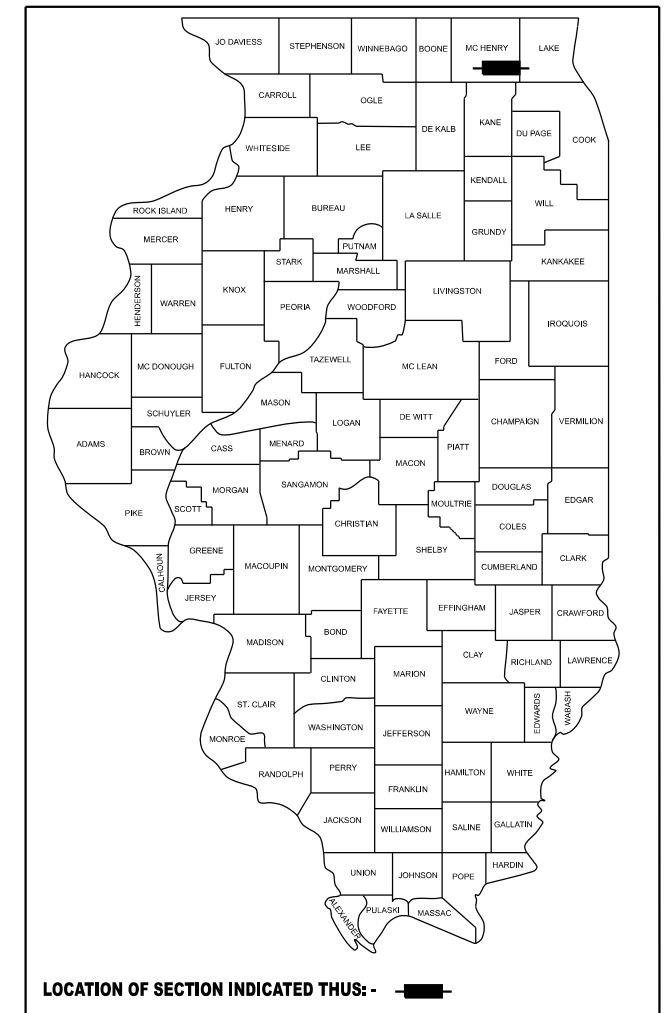
INDEX OF SHEETS

| SHEET NO. | DESCRIPTION |
|-----------|---|
| 1 | COVER |
| 2 | GENERAL NOTES AND STANDARDS |
| 3 | SUMMARY OF QUANTITIES |
| 4-5 | TYPICAL SECTIONS |
| 6-11 | ALIGNMENT, TIES, AND BENCHMARKS |
| 12-26 | PLAN |
| 27-35 | PROFILE |
| 36 | DRAINAGE STRUCTURE AND PIPE SCHEDULES |
| 37-49 | EROSION AND SEDIMENT CONTROL PLAN |
| 50-54 | CONSTRUCTION DETAILS AND CITY STANDARDS |
| 55-59 | IDOT STANDARDS AND DETAILS |
| 60-97 | CROSS SECTIONS |

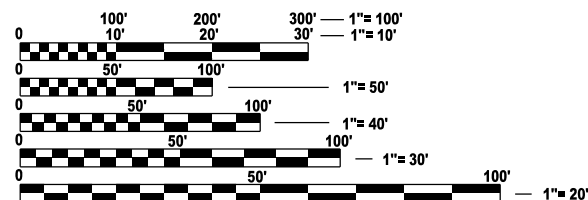
CITY OF CRYSTAL LAKE THREE OAKS RECREATION AREA PROPOSED TRAIL

SEGMENT 02: 1,365 FT
SEGMENT 03: 1,100 FT (SURFACING ONLY)
SEGMENT 04: 1,765 FT
SEGMENT 05: 2,900 FT
SEGMENT 07: 945 FT

MCHENRY COUNTY
DATE: MARCH 3, 2025

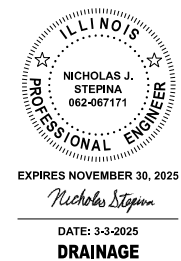
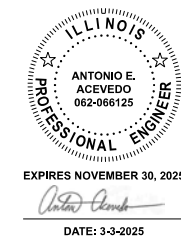


LOCATION MAP
N.T.S.



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811



FINAL PLANS

| REVISIONS | | DATE CREATED: 3/3/2025 |
|-----------|-------------|------------------------|
| REV. NO. | DESCRIPTION | DATE |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ClarkDietz

DESIGN FIRM REGISTRATION
 No. 184-000450

118 SOUTH CLINTON STREET
 SUITE 700 CHICAGO, IL 60661
 PHONE : 312.648.9900 www.clarkdietz.com

CITY OF CRYSTAL LAKE STANDARDS AND DETAILS

| STANDARD NO. | DESCRIPTION |
|--------------|--|
| GE-02a | GENERAL SITE WORK AND GRADING |
| GE-02b | TOPSOIL, EROSION CONTROL, AND UTILITY COORDINATION |
| EC-01 | SILT FENCE |
| EC-02 | CONSTRUCTION ENTRANCE |
| EC-03 | INLET PROTECTION (STRAW BALE BARRIER) |
| EC-04 | INLET SEDIMENT CONTROL DEVICE |
| RD-05a | CURB: CONCRETE CURB AND GUTTER |
| UD-01d | STORM MANHOLE, TYPE A |
| UD-02d | FLARED END SECTION PRECAST CONCRETE PIPE |
| UD-02e | RIPRAP DETAILS |

IDOT STANDARDS

| STANDARD NO. | DESCRIPTION |
|--------------|---|
| 280001-07 | TEMPORARY EROSION CONTROL SYSTEMS |
| 542401-04 | METAL FLARED END SECTION FOR PIPE CULVERTS |
| 602301-04 | INLET TYPE A |
| 604001-05 | FRAME AND LIDS, TYPE 1 |
| 604036-03 | GRATE TYPE 8 |
| 701001-02 | OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY |
| 701006-05 | OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE |
| 701101-05 | OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600 mm) FROM PAVEMENT EDGE |
| 701106-02 | OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY |
| 701801-06 | SIDEWALK, CORNER OR CROSSWALK CLOSURE |
| 701901-09 | TRAFFIC CONTROL DEVICES |

GENERAL NOTES

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING THE PROJECT.
- WHERE SECTION OR SUBSECTION MONUMENTS, BENCHMARKS, OR IRON PIPE MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN ILLINOIS REGISTERED LAND SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL HAVE AN ILLINOIS REGISTERED LAND SURVEYOR RE-ESTABLISH ALL MONUMENTS UNNECESSARILY DESTROYED BY HIS/HER OPERATIONS.
- THE FOLLOWING CODES AND STANDARDS, AS APPLICABLE, SHALL GOVERN CONSTRUCTION UNDER THIS CONTRACT IN THE HIERARCHY BELOW:
 - MUNICIPAL CODE, CITY OF CRYSTAL LAKE, ILLINOIS, CURRENT EDITION.
 - PERMIT CONDITIONS OF THE MCHENRY COUNTY DIVISION OF TRANSPORTATION.
 - STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2022 AND THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2024 AND ALL SUBSEQUENT REVISIONS THERETO, HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS.
 - "MANUAL ON TRAFFIC CONTROL DEVICES", 11th EDITION, IL MUTCD, AND ALL SUBSEQUENT REVISIONS THERETO, HEREINAFTER REFERRED TO AS THE "MUTCD".
 - ILLINOIS URBAN MANUAL
- THE CONTRACTOR SHALL NOTIFY ALL LOCAL UTILITY COMPANIES AND REQUEST FACILITIES BE LOCATED A MINIMUM OF SEVEN (7) CALENDAR DAYS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR IS TO DETERMINE ALL EXISTING UTILITIES PRESENT ON SITE.
- THE CONTRACTOR SHALL NOT BEGIN CONSTRUCTION UNTIL THE UTILITY COMPANIES HAVE CONFIRMED THAT THEY HAVE MARKED ON THE GROUND, THE LOCATION OF THEIR FACILITIES INCLUDING BUT NOT LIMITED TO: UNDERGROUND PIPES, MAINS, CONDUITS, OR CABLES ADJOINING OR CROSSING PROPOSED CONSTRUCTION.
- UTILITIES SHOWN ON THE PLANS ARE FOR THE CONTRACTOR'S INFORMATION AND ONLY SHOW APPROXIMATE LOCATIONS. THE UTILITIES ARE LOCATED FROM THE INFORMATION PROVIDED BY THE CITY OF CRYSTAL LAKE. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL TYPES, SIZES, AND LOCATIONS OF EXISTING UTILITIES.
- IF A PERIOD OF TEN (10) CALENDAR DAYS ELAPSES BETWEEN THE PLACEMENT OF HOT-MIX ASPHALT TACK COAT AND THE PLACEMENT OF ANY HOT-MIX ASPHALT COURSE, THE CONTRACTOR MAY BE REQUIRED TO PLACE ANOTHER TACK COAT AT THE DIRECTION OF THE ENGINEER.
- ALL CURB AND GUTTER REMOVAL AND REPLACEMENT SHALL BE COMPLETED PRIOR TO PLACING ANY HOT-MIX ASPHALT MATERIAL.
- ALL EXISTING DRAINAGE STRUCTURES WITHIN THE PROJECT LIMITS THAT ARE ADJUSTED OR RECONSTRUCTED SHALL BE CLEANED AFTER CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL PROTECT EXISTING STORM SEWERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING STORM SEWER PIPES DAMAGED DURING CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE ALL FEATURES DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL STATE, OR BETTER. ALL RESTORATION WORK REQUIRED BEYOND THE SCOPE OF THE PLANS AND SPECIFICATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL STREETS USED BY THE CONTRACTOR, SUB-CONTRACTORS, AND SUPPLIERS CLEAN AND FREE FROM ALL DIRT, MUD, AND OTHER CONSTRUCTION DEBRIS, AND WILL BE REQUIRED TO CLEAN THEM AS IS NECESSARY IN ORDER TO MAINTAIN THEM IN A SAFE, DRIVABLE CONDITION. THE CONTRACTOR SHALL BE RESPONSIVE TO REQUESTS FROM THE ENGINEER, ENGINEER'S REPRESENTATIVE, DIRECTOR OF PUBLIC WORKS, OR ANY OFFICIAL OF THE OWNER TO PRACTICE GOOD HOUSEKEEPING THROUGHOUT THE DURATION OF THE PROJECT.

MODEL: General Notes and Standards (Sheet)
FILE NAME: P:\C1260180_CRYSTAL LAKE - Three Oaks Path\H\Plans\CAD_Sheets\Package 2\02 C1260180_Sht - General Notes and Standards.dgn

| | | | | | | | | | | | | |
|------------------------|--------------------|-----------|--|---|--|--|--|---------------------------|---------|---------|--------------|-----------|
| USER NAME = AAcevedo | DESIGNED - RON/MFM | REVISED - | CITY OF CRYSTAL LAKE THREE OAKS RECREATION AREA | GENERAL NOTES AND STANDARDS | | | | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| PLOT SCALE = \$SCALE\$ | CHECKED - RON | REVISED - | | | | | | | | MCHENRY | 97 | 2 |
| PLOT DATE = 2/14/2025 | DATE - | REVISED - | | SCALE: SHEET 1 OF 1 SHEETS STA. TO STA. | | | | CONTRACT NO. | | | | |
| | | | | | | | | ILLINOIS FED. AID PROJECT | | | | |

| IDOT PAY CODE | PROJECT PAY CODE | DESCRIPTION | UNIT | TRAIL QUANTITY | TOKEN QUANTITY |
|---------------|------------------|---|-------|----------------|----------------|
| X2010510 | 1 | CLEARING AND GRUBBING | ACRE | 0 | 0.4 |
| Z0013798 | 2 | CONSTRUCTION LAYOUT | L SUM | 1 | 0 |
| C1 | 3 | EXCAVATION, GRADING, AND SHAPING (SPECIAL) | L SUM | 1 | 0 |
| A2006416 | 4 | TREE, QUERCUS ALBA (WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED | EACH | 19 | 0 |
| A2007116 | 5 | TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED | EACH | 16 | 0 |
| B2001116 | 6 | TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED | EACH | 13 | 0 |
| B2001616 | 7 | TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED | EACH | 28 | 0 |
| D2001560 | 8 | EVERGREEN, JUNIPERUS VIRGINIANA (EASTERN RED CEDAR), 5' HEIGHT, BALLED AND BURLAPPED | EACH | 19 | 0 |
| D2002260 | 9 | EVERGREEN, PICEA PUNGENS GLAUCA (COLORADO BLUE SPRUCE), 5' HEIGHT, BALLED AND BURLAPPED | EACH | 18 | 0 |
| 20800150 | 10 | TRENCH BACKFILL | CU YD | 25.9 | 0 |
| 21101615 | 11 | TOPSOIL FURNISH AND PLACE, 4" | SQ YD | 19284 | 146 |
| 25000310 | 12 | SEEDING, CLASS 4 | SQ YD | 17584 | 146 |
| 25000322 | 13 | SEEDING, CLASS 5A | SQ YD | 1700 | 0 |
| 25100630 | 14 | EROSION CONTROL BLANKET | SQ YD | 19284 | 146 |
| 28000400 | 15 | PERIMETER EROSION BARRIER | FOOT | 3830 | 0 |
| 28000500 | 16 | INLET AND PIPE PROTECTION | EACH | 14 | 0 |
| 28100209 | 17 | STONE RIPRAP, CLASS A5 | TON | 1073 | 0 |
| 28200200 | 18 | FILTER FABRIC | SQ YD | 1102 | 0 |
| 35101400 | 19 | AGGREGATE BASE COURSE, TYPE B | TON | 2909 | 0 |
| C2 | 20 | PREMIUM BIKE TRAIL MIX FA-21 | CU YD | 788 | 0 |
| 40600290 | 21 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 0 | 106 |
| 40604060 | 22 | HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 | TON | 0 | 27 |
| 44000157 | 23 | HOT-MIX ASPHALT SURFACE REMOVAL, 2" | SQ YD | 0 | 234 |
| 44000500 | 24 | COMBINATION CURB AND GUTTER REMOVAL | FOOT | 0 | 106 |
| 54213681 | 25 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36" | EACH | 1 | 0 |
| 54262712 | 26 | METAL FLARED END SECTIONS 12" | EACH | 9 | 0 |
| 54262715 | 27 | METAL FLARED END SECTIONS 15" | EACH | 4 | 0 |
| 54262718 | 28 | METAL FLARED END SECTIONS 18" | EACH | 3 | 0 |
| 542A0241 | 29 | PIPE CULVERTS, CLASS A, TYPE 1 36" | FOOT | 44 | 0 |
| 542D0217 | 30 | PIPE CULVERTS, CLASS D, TYPE 1 12" | FOOT | 190 | 0 |
| 542D0220 | 31 | PIPE CULVERTS, CLASS D, TYPE 1 15" | FOOT | 138 | 0 |
| 542D0223 | 32 | PIPE CULVERTS, CLASS D, TYPE 1 18" | FOOT | 74 | 0 |
| 60221100 | 33 | MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID | EACH | 1 | 0 |
| 60236200 | 34 | INLETS, TYPE A, TYPE 8 GRATE | EACH | 12 | 0 |
| 60603800 | 35 | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 | FOOT | 0 | 70 |
| 60605000 | 36 | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 | FOOT | 0 | 36 |
| X0322135 | 37 | BOLLARDS, QUICK RELEASE | EACH | 6 | 0 |
| X2100101 | 38 | GEOSYNTHETIC REINFORCEMENT | SQ YD | 612 | 0 |
| X3510416 | 39 | AGGREGATE BASE COURSE, TYPE CA-16 | TON | 67 | 16 |
| X5427602 | 40 | REMOVE EXISTING FLARED END SECTION | EACH | 1 | 0 |
| C3 | 41 | PEDESTRIAN SAFETY RAILING | FOOT | 1164 | 0 |
| C4 | 42 | CHAIN LINK FENCE DOUBLE SWING GATE | EACH | 1 | 0 |
| X6640628 | 43 | WOOD POST AND RAIL FENCE | FOOT | 758 | 200 |
| X7010216 | 44 | TRAFFIC CONTROL AND PROTECTION, (SPECIAL) | L SUM | 1 | 0 |
| | | | | | |
| | | | | | |

| Earthwork Summary | | | | | |
|-----------------------------------|---------------|--------------|--------------|---------------|---------------|
| | Segment 2 | Segment 4 | Segment 5 | Segment 7 | Total |
| Cut | | | | | |
| Trail | 1487.3 | 688.1 | 980.2 | 83.6 | 3239.2 |
| Trench Spoils | 22.3 | 2.7 | 0.0 | 0.9 | 25.9 |
| Total Roadway Cut (cu yd) | 1509.6 | 690.8 | 980.2 | 84.5 | 3265.1 |
| Unsuitable Cut | | | | | |
| Trail (10%) | 148.7 | 68.8 | 98.0 | 8.4 | 323.9 |
| Trench Spoils (10%) | 2.2 | 0.3 | 0.0 | 0.1 | 2.6 |
| Total Unsuitable Cut (cu yd) | 151.0 | 69.1 | 98.0 | 8.5 | 326.5 |
| Total Suitable Cut (cu yd) | 1358.6 | 621.8 | 882.1 | 76.1 | 2938.6 |
| Fill | | | | | |
| Trail | 1267.5 | 1011.3 | 725.3 | 3453.6 | 6457.7 |
| Fill Need (cu yd) | 1267.5 | 1011.3 | 725.3 | 3453.6 | 6457.7 |
| Shrinkage Factor | 15% | 15% | 15% | 15% | |
| Shrinkage | 190.1 | 151.7 | 108.8 | 518.0 | 968.7 |
| Total Fill (cu yd) | 1457.6 | 1163.0 | 834.1 | 3971.6 | 7426.4 |
| Borrow (cu yd) | 99.0 | 541.3 | 0.0 | 3895.6 | 4389.8 |
| Waste (cu yd) | 0.0 | 0.0 | 146.1 | 0.0 | 0.0 |

MODEL: SDO (Sheet) 1
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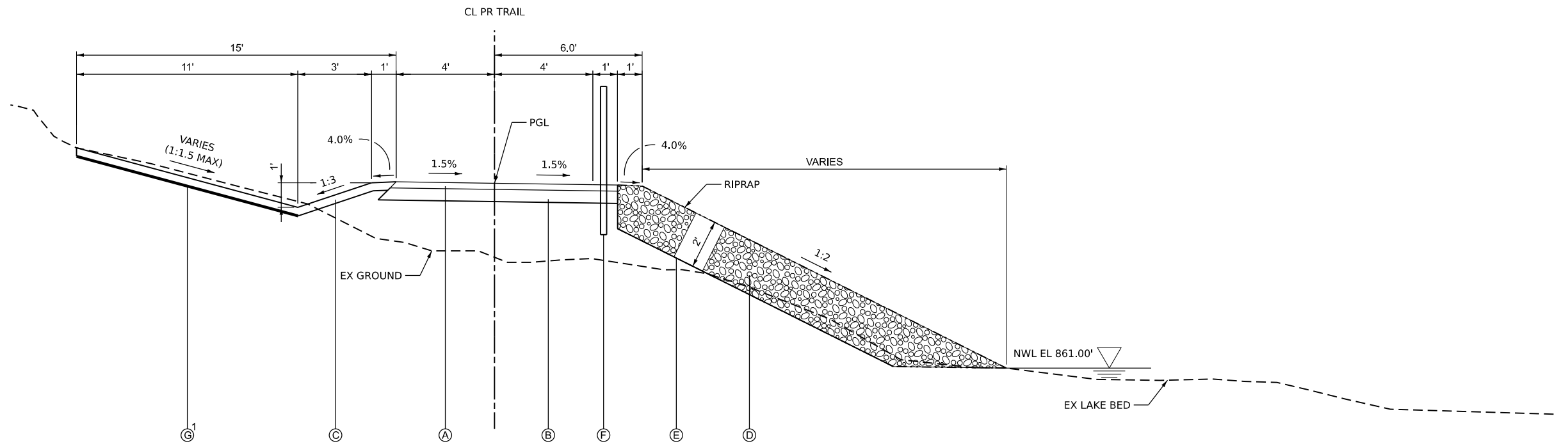
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|------------------------|--------------------|-----------|
| USER NAME = AAcevedo | DESIGNED - RON/MFM | REVISED - |
| PLOT SCALE = \$SCALE\$ | DRAWN - MFM | REVISED - |
| PLOT DATE = 3/3/2025 | CHECKED - RON | REVISED - |
| | DATE - | REVISED - |

CITY OF CRYSTAL LAKE
THREE OAKS RECREATION AREA

SUMMARY OF QUANTITIES

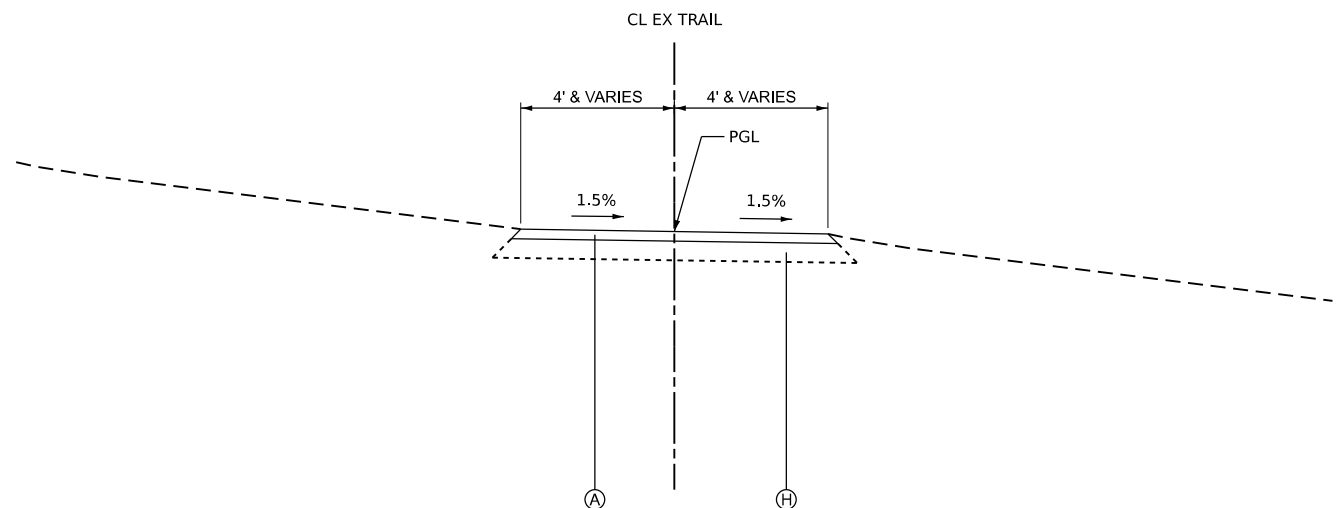
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|---------|--------------|-----------|
| | | MCHENRY | 97 | 3 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



PROPOSED TRAIL WITH RIPRAP AND PEDESTRIAN SAFETY RAILING SECTION

STA. 200+15.00 - STA. 201+60.00
 STA. 400+00.00 - STA. 401+65.00



EXISTING SEGMENT 3

STA. 200+00.00 - STA. 210+15.68/400+00.00

NOTES

1. GEOSYNTHETIC REINFORCEMENT SHALL BE USED AT LOCATIONS WHERE THE BACKSLOPE IS STEEPER THAN 1:2. SEE CROSS SECTIONS FOR MORE INFORMATION.

PROPOSED LEGEND

- (A) PREMIUM BIKE TRAIL MIX FA-21, 3"
- (B) AGGREGATE BASE COURSE, TYPE B, 6"
- (C) TOPSOIL FURNISH AND PLACE, 4" WITH SEEDING, CLASS 4
- (D) STONE RIPRAP, CLASS A5 (RR4)
- (E) FILTER FABRIC
- (F) PEDESTRIAN SAFETY RAILING
- (G) GEOSYNTHETIC REINFORCEMENT
- (H) EXISTING AGGREGATE BASE
- (I) WOOD POST AND RAIL FENCE

MODEL: Sheet View 1
 FILE NAME: P:\1260180_Crystal Lake - Three Oaks Path\11\11\11\CAD_Sheets\Package 2\04 C1260180_SH - Typical Sections.dgn

| | | |
|------------------------|--------------------|-----------|
| USER NAME = AAcevedo | DESIGNED - RON/MFM | REVISED - |
| | DRAWN - MFM | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - RON | REVISED - |
| PLOT DATE = 2/14/2025 | DATE - | REVISED - |

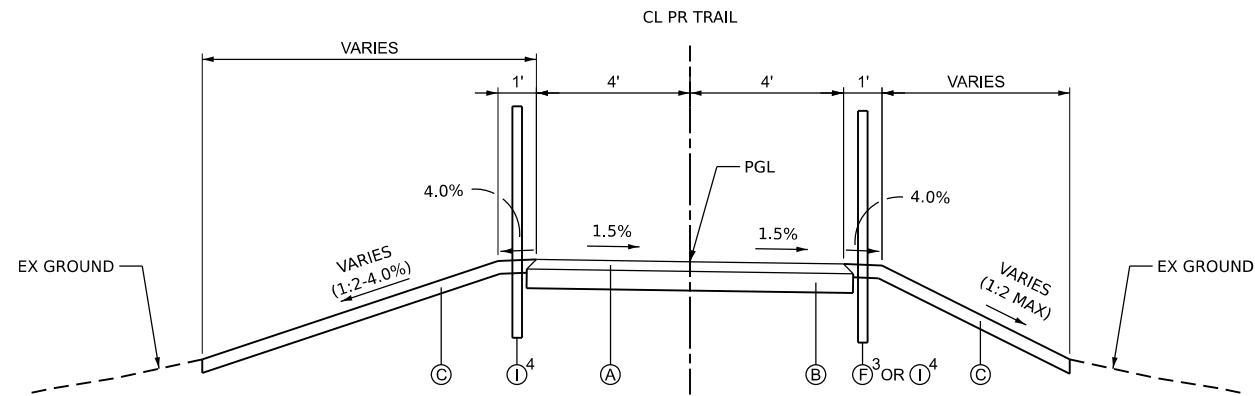
**CITY OF CRYSTAL LAKE
 THREE OAKS RECREATION AREA**

PROPOSED TYPICAL SECTIONS

SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

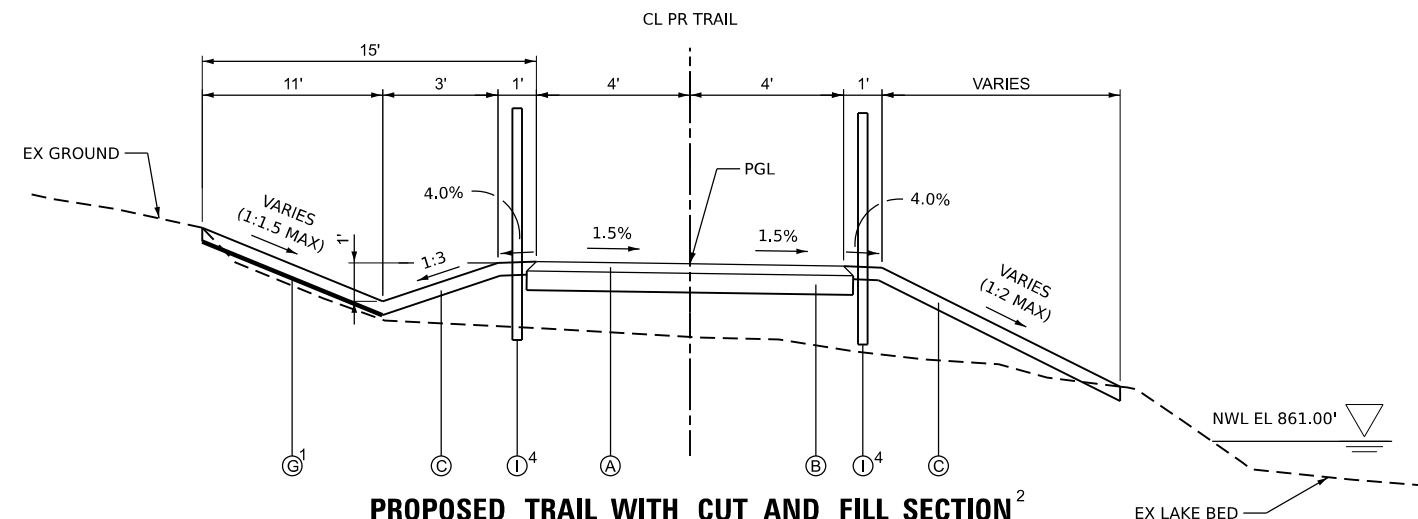
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|---------------------------|---------|---------|--------------|-----------|
| | | MCHENRY | 97 | 4 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

Long Section Number



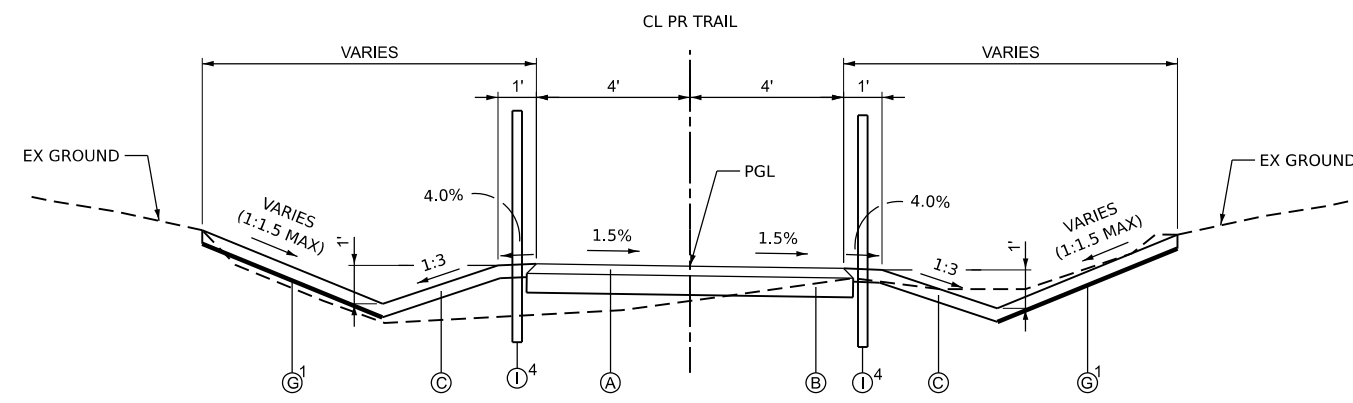
PROPOSED TRAIL WITH FILL SECTION

STA. 208+30.00 - STA. 230+40.00
 STA. 402+60.00 - STA. 403+40.00
 STA. 404+70.00 - STA. 405+84.00
 STA. 409+40.00 - STA. 410+09.00
 STA. 411+12.00 - STA. 417+63.00
 STA. 500+00.00 - STA. 531+92.89
 STA. 700+50.00 - STA. 709+44.12



PROPOSED TRAIL WITH CUT AND FILL SECTION²

STA. 200+00.00 - STA. 200+15.00
 STA. 201+60.00 - STA. 208+30.00
 STA. 230+40.00 - STA. 230+45.00
 STA. 401+65.00 - STA. 402+60.00
 STA. 403+40.00 - STA. 404+46.00
 STA. 405+84.00 - STA. 407+10.00
 STA. 407+80.00 - STA. 409+11.00
 STA. 410+80.00 - STA. 411+12.00
 STA. 700+00.00 - STA. 700+50.00



PROPOSED TRAIL WITH CUT SECTION

STA. 404+46.00 - STA. 404+60.00
 STA. 407+10.00 - STA. 407+80.00
 STA. 409+11.00 - STA. 409+31.00
 STA. 410+20.00 - STA. 410+80.00

NOTES

1. GEOSYNTHETIC REINFORCEMENT SHALL BE USED AT LOCATIONS WHERE THE BACKSLOPE IS STEEPER THAN 1:2. SEE CROSS SECTIONS FOR MORE INFORMATION.
2. TYPICAL SECTION IS MIRRORED ABOUT THE CENTERLINE OF SEGMENT 4 AT THE FOLLOWING LOCATIONS:

 STA. 404+60.00 - STA. 404+70.00
 STA. 409+31.00 - STA. 409+40.00
 STA. 410+09.00 - STA. 410+20.00
3. PEDESTRIAN SAFETY RAILING SHALL BE INSTALLED AT:
 STA. 412+00.00 RT - STA. 415+00.00 RT
 STA. 516+50.00 RT - STA. 518+75.00 RT
 STA. 523+25.00 RT - STA. 526+50.00 RT
4. WOOD POST AND RAIL FENCE SHALL BE INSTALLED AT:
 STA. 403+75.00 RT - STA. 405+45.00 RT
 STA. 404+45.00 LT - STA. 406+00.00 LT
 STA. 406+00.00 RT - STA. 406+95.00 RT
 STA. 406+95.00 LT - STA. 408+15.00 LT
 STA. 408+15.00 RT - STA. 409+20.00 RT
 STA. 409+20.00 LT - STA. 410+55.00 LT

PROPOSED LEGEND

- (A) PREMIUM BIKE TRAIL MIX FA-21, 3"
- (B) AGGREGATE BASE COURSE, TYPE B, 6"
- (C) TOPSOIL FURNISH AND PLACE, 4" WITH SEEDING, CLASS 4
- (D) STONE RIPRAP, CLASS A5 (RR4)
- (E) FILTER FABRIC
- (F) PEDESTRIAN SAFETY RAILING
- (G) GEOSYNTHETIC REINFORCEMENT
- (H) EXISTING AGGREGATE BASE
- (I) WOOD POST AND RAIL FENCE

MODEL: Sheet View 2
 FILE NAME: P:\1260180_Crystal Lake - Three Oaks Park\11\11\11\CAD_Sheets\Package 2\04 C1260180_SH - Typical Sections.dgn

| | | |
|------------------------|--------------------|-----------|
| USER NAME = AAcevedo | DESIGNED - RON/MFM | REVISED - |
| | DRAWN - MFM | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - RON | REVISED - |
| PLOT DATE = 2/17/2025 | DATE - | REVISED - |

**CITY OF CRYSTAL LAKE
 THREE OAKS RECREATION AREA**

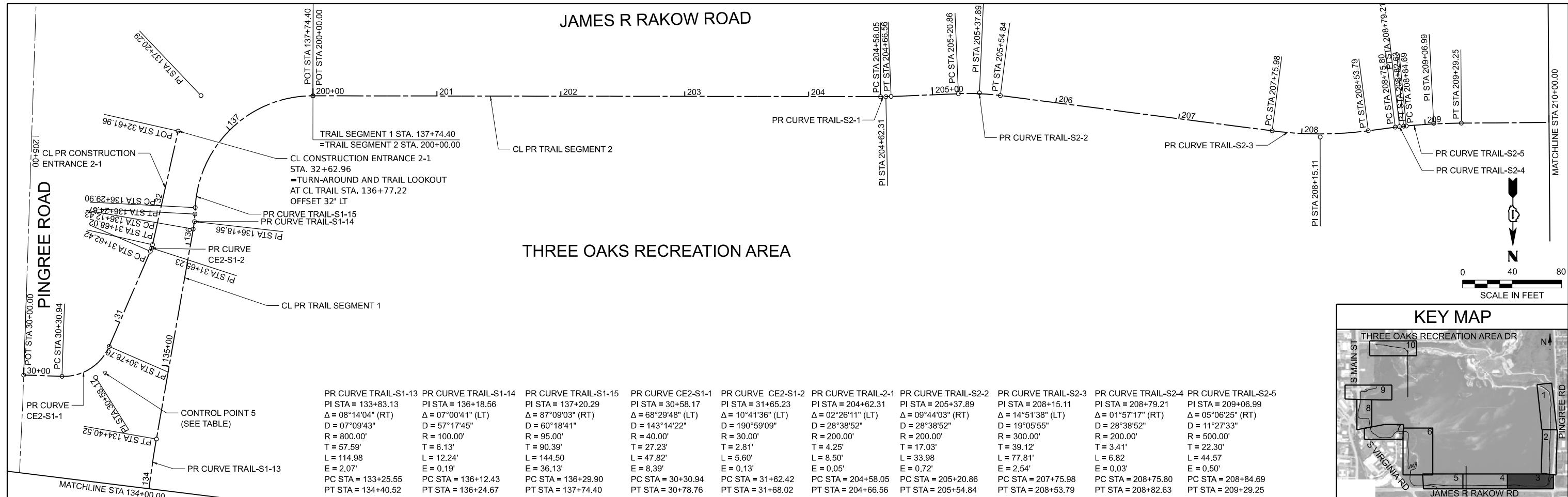
PROPOSED TYPICAL SECTIONS

SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

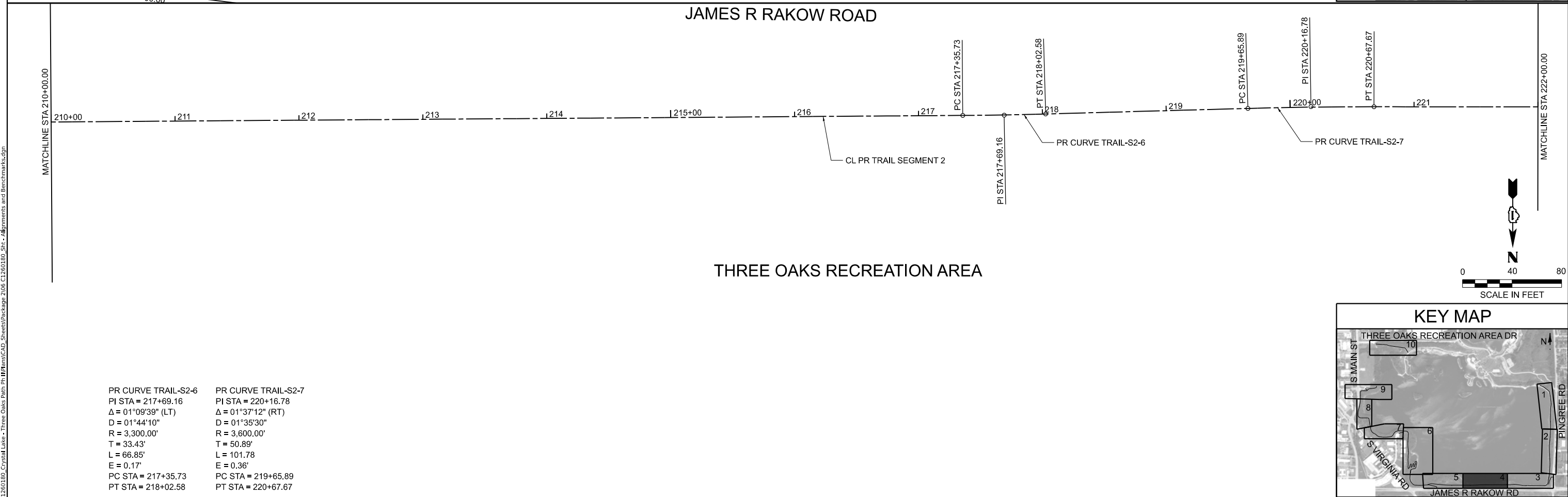
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|---------|--------------|-----------|
| | | MCHENRY | 97 | 5 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

Long Section Number

MODEL: Sheet 2
 FILE NAME: P:\C1260180_Crystal Lake - Three Oaks Path\Drawings\CAD_Sheets\Package 2\06 C1260180_Sht - Adjustments and Benchmarks.dwg



| PR CURVE TRAIL-S1-13 | PR CURVE TRAIL-S1-14 | PR CURVE TRAIL-S1-15 | PR CURVE CE2-S1-1 | PR CURVE CE2-S1-2 | PR CURVE TRAIL-2-1 | PR CURVE TRAIL-S2-2 | PR CURVE TRAIL-S2-3 | PR CURVE TRAIL-S2-4 | PR CURVE TRAIL-S2-5 |
|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| PI STA = 133+83.13 | PI STA = 136+18.56 | PI STA = 137+20.29 | PI STA = 30+58.17 | PI STA = 31+65.23 | PI STA = 204+62.31 | PI STA = 205+37.89 | PI STA = 208+15.11 | PI STA = 208+79.21 | PI STA = 209+06.99 |
| $\Delta = 08^{\circ}14'04''$ (RT) | $\Delta = 07^{\circ}00'41''$ (LT) | $\Delta = 87^{\circ}09'03''$ (RT) | $\Delta = 68^{\circ}29'48''$ (LT) | $\Delta = 10^{\circ}41'36''$ (LT) | $\Delta = 02^{\circ}26'11''$ (LT) | $\Delta = 09^{\circ}44'03''$ (RT) | $\Delta = 14^{\circ}51'38''$ (LT) | $\Delta = 01^{\circ}57'17''$ (RT) | $\Delta = 05^{\circ}06'25''$ (RT) |
| D = 07^{\circ}09'43" | D = 57^{\circ}17'45" | D = 60^{\circ}18'41" | D = 143^{\circ}14'22" | D = 190^{\circ}59'09" | D = 28^{\circ}38'52" | D = 28^{\circ}38'52" | D = 19^{\circ}05'55" | D = 28^{\circ}38'52" | D = 11^{\circ}27'33" |
| R = 800.00' | R = 100.00' | R = 95.00' | R = 40.00' | R = 30.00' | R = 200.00' | R = 200.00' | R = 300.00' | R = 200.00' | R = 500.00' |
| T = 57.59' | T = 6.13' | T = 90.39' | T = 27.23' | T = 2.81' | T = 4.25' | T = 17.03' | T = 39.12' | T = 3.41' | T = 22.30' |
| L = 114.98 | L = 12.24' | L = 144.50 | L = 47.82' | L = 5.60' | L = 8.50' | L = 33.98 | L = 77.81' | L = 6.82 | L = 44.57 |
| E = 2.07' | E = 0.19' | E = 36.13' | E = 8.39' | E = 0.13' | E = 0.05' | E = 0.72' | E = 2.54' | E = 0.03' | E = 0.50' |
| PC STA = 133+25.55 | PC STA = 136+12.43 | PC STA = 136+29.90 | PC STA = 30+30.94 | PC STA = 31+62.42 | PC STA = 204+58.05 | PC STA = 205+20.86 | PC STA = 207+75.98 | PC STA = 208+75.80 | PC STA = 208+84.69 |
| PT STA = 134+40.52 | PT STA = 136+24.67 | PT STA = 137+74.40 | PT STA = 30+78.76 | PT STA = 31+68.02 | PT STA = 204+66.56 | PT STA = 205+54.84 | PT STA = 208+53.79 | PT STA = 208+82.63 | PT STA = 209+29.25 |



| | |
|-----------------------------------|-----------------------------------|
| PR CURVE TRAIL-S2-6 | PR CURVE TRAIL-S2-7 |
| PI STA = 217+69.16 | PI STA = 220+16.78 |
| $\Delta = 01^{\circ}09'39''$ (LT) | $\Delta = 01^{\circ}37'12''$ (RT) |
| D = 01^{\circ}44'10" | D = 01^{\circ}35'30" |
| R = 3,300.00' | R = 3,600.00' |
| T = 33.43' | T = 50.89' |
| L = 66.85' | L = 101.78 |
| E = 0.17' | E = 0.36' |
| PC STA = 217+35.73 | PC STA = 219+65.89 |
| PT STA = 218+02.58 | PT STA = 220+67.67 |

| | | |
|------------------------|------------|-----------|
| USER NAME = MMote | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - | REVISED - |
| PLOT DATE = 2/14/2025 | DATE - | REVISED - |

CITY OF CRYSTAL LAKE
THREE OAKS RECREATION AREA

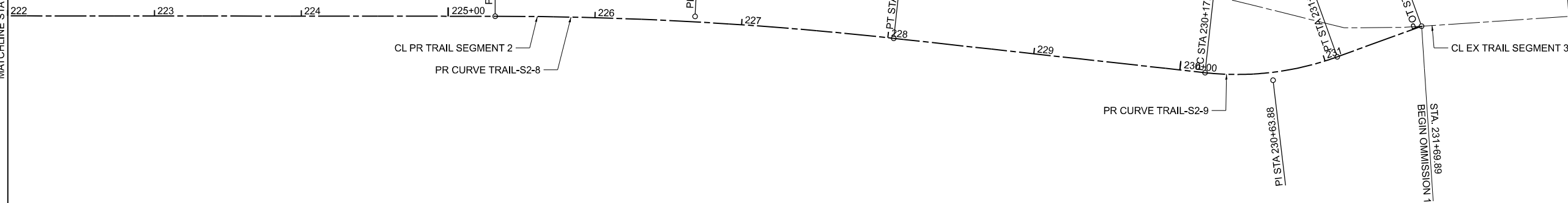
ALIGNMENT TIES AND BENCHMARKS
TRAIL SEGMENTS 1 AND 2 CONSTRUCTION ENTRANCE 2

SCALE: 1"=40' SHEET 1 OF 6 SHEETS STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------|---------|---------|--------------|-----------|
| | | MCHENRY | 97 | 6 |
| | | | CONTRACT NO. | |

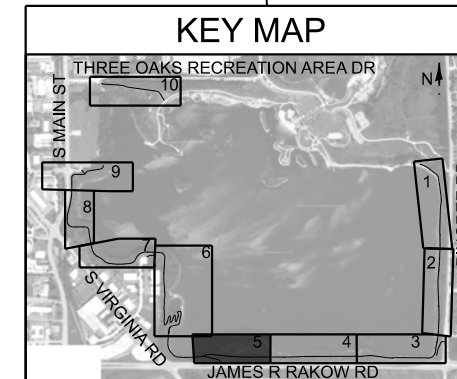
ILLINOIS FED. AID PROJECT

MATCHLINE STA 134+00.00



| | |
|---|--|
| PR CURVE TRAIL-S2-8 PI STA = 226+68.17 Δ = 06°14'01" (RT) D = 02°17'31" R = 2,500.00' T = 136.13' L = 271.99 E = 3.70' PC STA = 225+32.04 PT STA = 228+04.03 | PR CURVE TRAIL-S2-9 PI STA = 230+63.88 Δ = 26°12'20" (LT) D = 28°38'52" R = 200.00' T = 46.55' L = 91.47' E = 5.35' PC STA = 230+17.33 PT STA = 231+08.81 |
|---|--|

THREE OAKS RECREATION AREA



MODEL: Sheet 3
FILE NAME: P:\1260180-Crystal Lake - Three Oaks Path\11\11\11\11\CAD_Sheets\Package 2\06 C1260180_Sht - Adjustments and Benchmarks.dgn

| | | |
|------------------------|------------|-----------|
| USER NAME = MMote | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - | REVISED - |
| PLOT DATE = 2/14/2025 | DATE - | REVISED - |

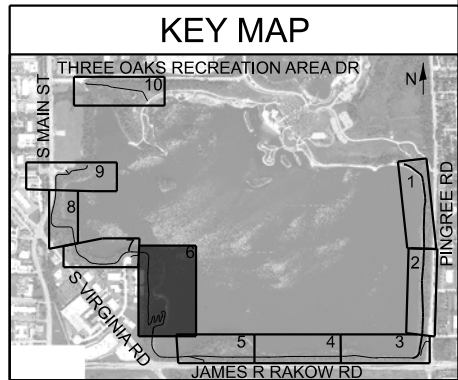
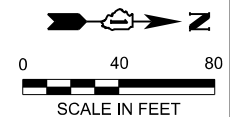
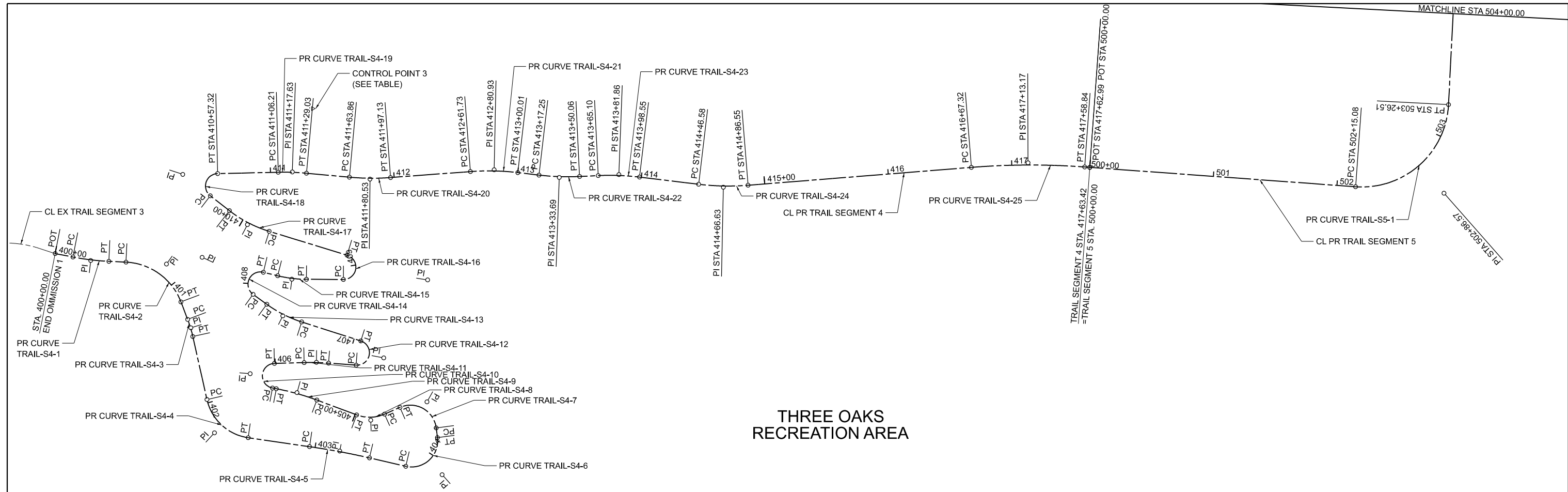
CITY OF CRYSTAL LAKE
THREE OAKS RECREATION AREA

ALIGNMENT TIES AND BENCHMARKS
TRAIL SEGMENTS 2 AND 3

SCALE: 1"=40' SHEET 2 OF 6 SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------|---------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | MCHENRY | 97 | 7 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

THREE OAKS RECREATION AREA



MODEL: Sheet 4
 FILE NAME: C:\C:\260180_Crystal Lake - Three Oaks Park\HPlan\CAD_Sheets\Package 1\C1260180_Sht - Alignments and Benchmarks_V2.dwg

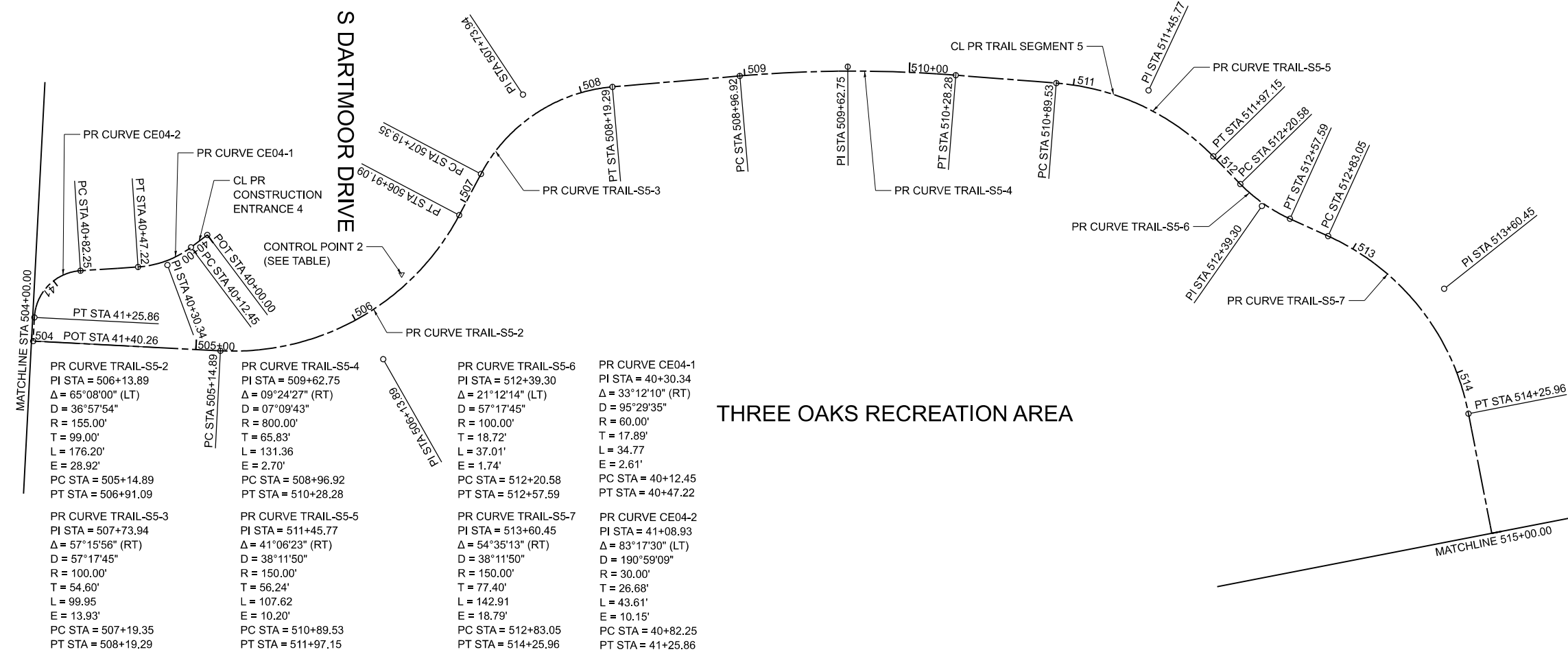
| | | |
|-----------------------|------------|-----------|
| USER NAME = MMote | DESIGNED - | REVISED - |
| PLOT SCALE = \$SCALES | DRAWN - | REVISED - |
| PLOT DATE = 10/9/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

CITY OF CRYSTAL LAKE THREE OAKS RECREATION AREA

ALIGNMENT TIES AND BENCHMARKS TRAIL SEGMENTS 3, 4, AND 5

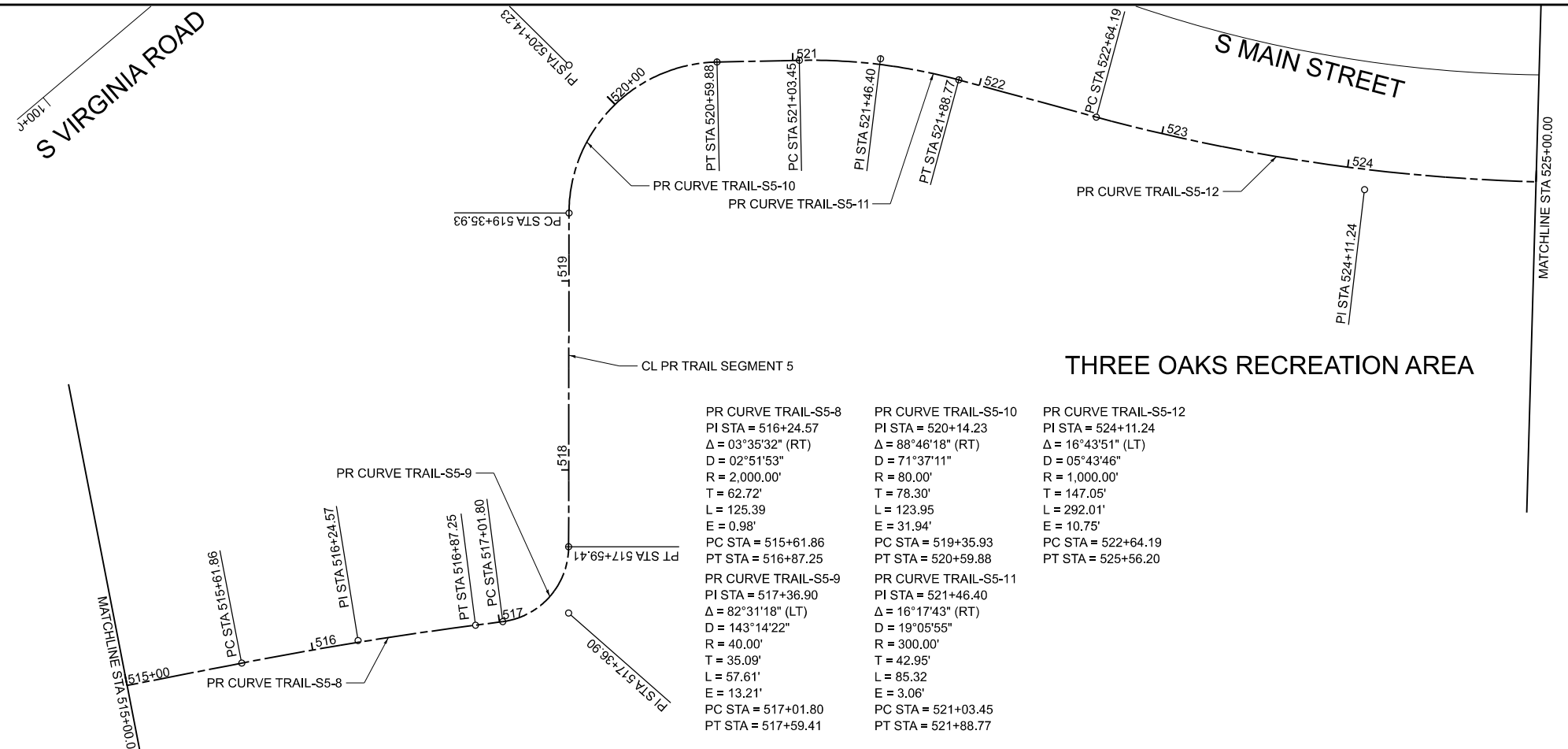
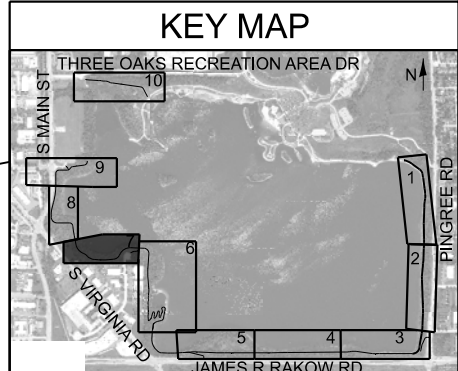
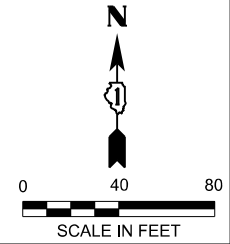
SCALE: 1"=40' SHEET 3 OF 6 SHEETS STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|---------|--------------|-----------|
| | | MCHENRY | 97 | 8 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



| | | | |
|--|--|--|--|
| PR CURVE TRAIL-S5-2 PI STA = 506+13.89 $\Delta = 65^{\circ}08'00''$ (LT) $D = 36^{\circ}57'54''$ $R = 155.00'$ $T = 99.00'$ $L = 176.20'$ $E = 28.92'$ PC STA = 505+14.89 PT STA = 506+91.09 | PR CURVE TRAIL-S5-4 PI STA = 509+62.75 $\Delta = 09^{\circ}24'27''$ (RT) $D = 07^{\circ}09'43''$ $R = 800.00'$ $T = 65.83'$ $L = 131.36'$ $E = 2.70'$ PC STA = 508+96.92 PT STA = 510+28.28 | PR CURVE TRAIL-S5-6 PI STA = 512+39.30 $\Delta = 21^{\circ}12'14''$ (LT) $D = 57^{\circ}17'45''$ $R = 100.00'$ $T = 18.72'$ $L = 37.01'$ $E = 1.74'$ PC STA = 512+20.58 PT STA = 512+57.59 | PR CURVE CE04-1 PI STA = 40+30.34 $\Delta = 33^{\circ}12'10''$ (RT) $D = 95^{\circ}29'35''$ $R = 60.00'$ $T = 17.89'$ $L = 34.77'$ $E = 2.61'$ PC STA = 40+12.45 PT STA = 40+47.22 |
| PR CURVE TRAIL-S5-3 PI STA = 507+73.94 $\Delta = 57^{\circ}15'56''$ (RT) $D = 57^{\circ}17'45''$ $R = 100.00'$ $T = 54.60'$ $L = 99.95'$ $E = 13.93'$ PC STA = 507+19.35 PT STA = 508+19.29 | PR CURVE TRAIL-S5-5 PI STA = 511+45.77 $\Delta = 41^{\circ}06'23''$ (RT) $D = 38^{\circ}11'50''$ $R = 150.00'$ $T = 56.24'$ $L = 107.62'$ $E = 10.20'$ PC STA = 510+89.53 PT STA = 511+97.15 | PR CURVE TRAIL-S5-7 PI STA = 513+60.45 $\Delta = 54^{\circ}35'13''$ (RT) $D = 38^{\circ}11'50''$ $R = 150.00'$ $T = 77.40'$ $L = 142.91'$ $E = 18.79'$ PC STA = 512+83.05 PT STA = 514+25.96 | PR CURVE CE04-2 PI STA = 41+08.93 $\Delta = 83^{\circ}17'30''$ (LT) $D = 190^{\circ}59'09''$ $R = 30.00'$ $T = 26.68'$ $L = 43.61'$ $E = 10.15'$ PC STA = 40+82.25 PT STA = 41+25.86 |

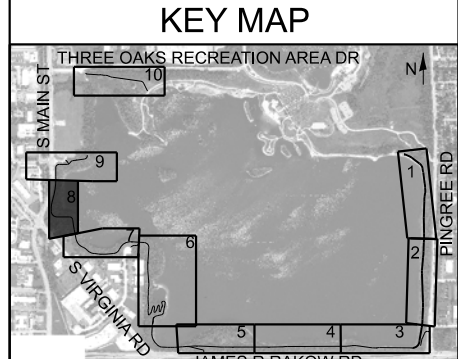
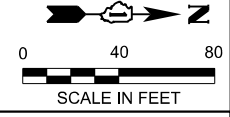
THREE OAKS RECREATION AREA



| | | |
|---|--|--|
| PR CURVE TRAIL-S5-8 PI STA = 516+24.57 $\Delta = 03^{\circ}35'32''$ (RT) $D = 02^{\circ}51'53''$ $R = 2,000.00'$ $T = 62.72'$ $L = 125.39'$ $E = 0.98'$ PC STA = 515+61.86 PT STA = 516+87.25 | PR CURVE TRAIL-S5-10 PI STA = 520+14.23 $\Delta = 88^{\circ}46'18''$ (RT) $D = 71^{\circ}37'11''$ $R = 80.00'$ $T = 78.30'$ $L = 123.95'$ $E = 31.94'$ PC STA = 519+35.93 PT STA = 520+59.88 | PR CURVE TRAIL-S5-12 PI STA = 524+11.24 $\Delta = 16^{\circ}43'51''$ (LT) $D = 05^{\circ}43'46''$ $R = 1,000.00'$ $T = 147.05'$ $L = 292.01'$ $E = 10.75'$ PC STA = 522+64.19 PT STA = 525+56.20 |
| PR CURVE TRAIL-S5-9 PI STA = 517+36.90 $\Delta = 82^{\circ}31'18''$ (LT) $D = 143^{\circ}14'22''$ $R = 40.00'$ $T = 35.09'$ $L = 57.61'$ $E = 13.21'$ PC STA = 517+01.80 PT STA = 517+59.41 | PR CURVE TRAIL-S5-11 PI STA = 521+46.40 $\Delta = 16^{\circ}17'43''$ (RT) $D = 19^{\circ}05'55''$ $R = 300.00'$ $T = 42.95'$ $L = 85.32'$ $E = 3.06'$ PC STA = 521+03.45 PT STA = 521+88.77 | |

**CITY OF CRYSTAL LAKE
THREE OAKS RECREATION AREA**

**ALIGNMENT TIES AND BENCHMARKS
TRAIL SEGMENT 5 AND CONSTRUCTION ENTRANCE 4**



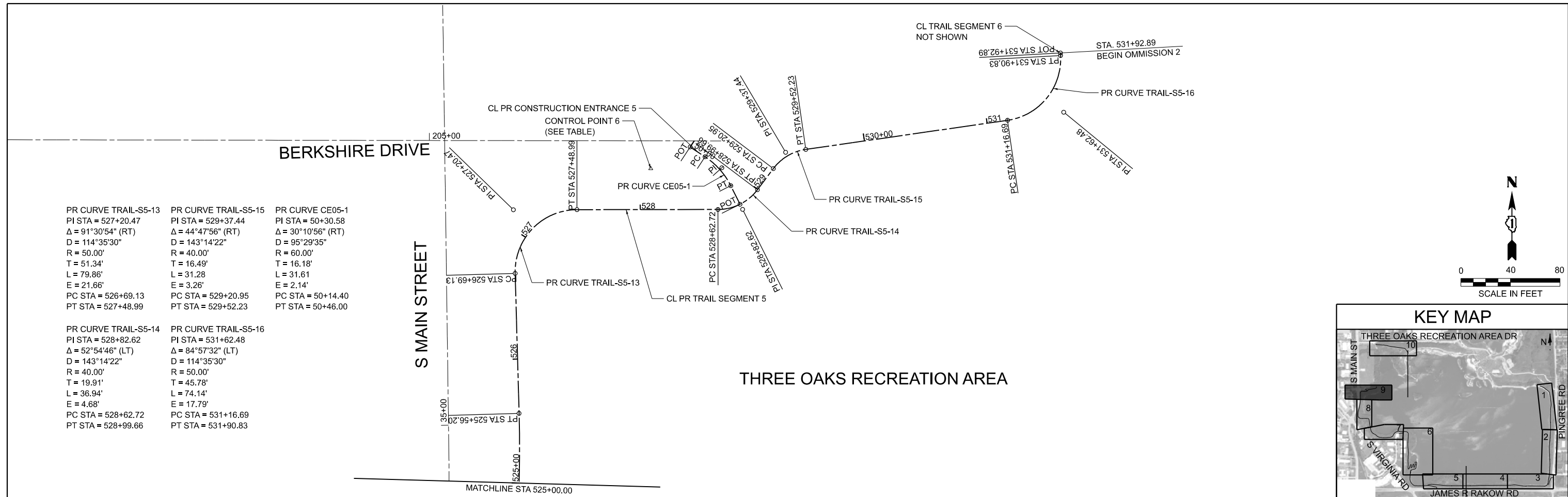
MODEL: Sheet 5
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| | | |
|------------------------|------------|-----------|
| USER NAME = MMote | DESIGNED - | REVISED - |
| PLOT SCALE = \$SCALE\$ | DRAWN - | REVISED - |
| PLOT DATE = 10/9/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

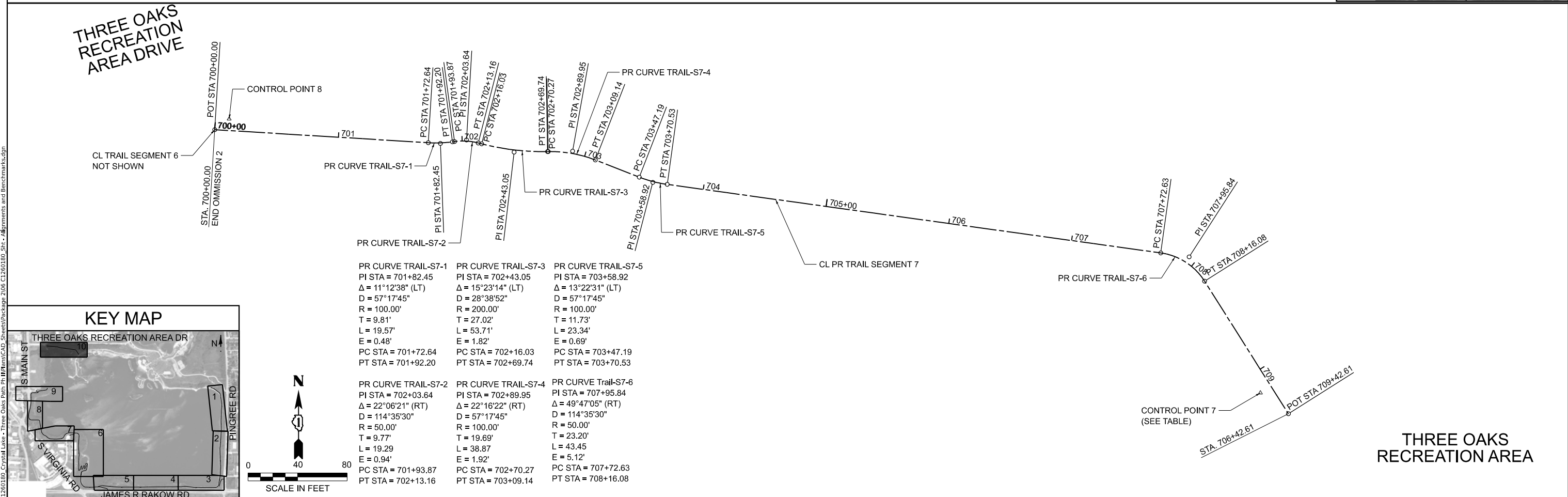
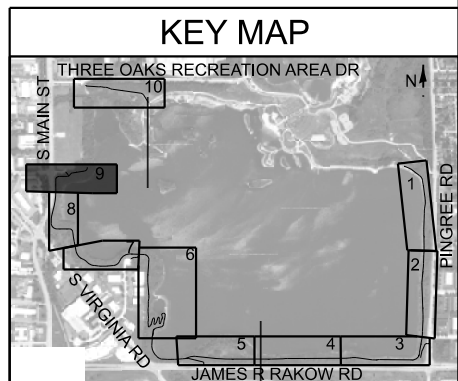
| | | | | |
|---------------|---------|-------------|------|---------|
| SCALE: 1"=40' | SHEET 4 | OF 6 SHEETS | STA. | TO STA. |
|---------------|---------|-------------|------|---------|

| | | | | |
|---------------------------|---------|---------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | MCHENRY | 97 | 9 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

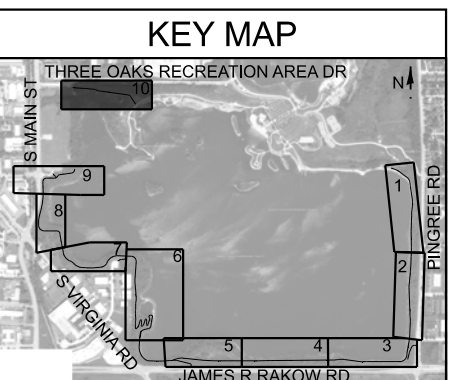
MODEL: Sheet 6
FILE NAME: P:\C1260180_Crystal Lake - Three Oaks Park\Drawings\CAD_Sheets\Package 2\06 C1260180_Sht - Adjustments and Benchmarks.dwg



| | | |
|--|--|---|
| PR CURVE TRAIL-S5-13 PI STA = 527+20.47 Δ = 91°30'54" (RT) D = 114°35'30" R = 50.00' T = 51.34' L = 79.86' E = 21.66' PC STA = 526+69.13 PT STA = 527+48.99 | PR CURVE TRAIL-S5-15 PI STA = 529+37.44 Δ = 44°47'56" (RT) D = 143°14'22" R = 40.00' T = 16.49' L = 31.28 E = 3.26' PC STA = 529+20.95 PT STA = 529+52.23 | PR CURVE CE05-1 PI STA = 50+30.58 Δ = 30°10'56" (RT) D = 95°29'35" R = 60.00' T = 16.18' L = 31.61 E = 2.14' PC STA = 50+14.40 PT STA = 50+46.00 |
| PR CURVE TRAIL-S5-14 PI STA = 528+82.62 Δ = 52°54'46" (LT) D = 143°14'22" R = 40.00' T = 19.91' L = 36.94' E = 4.68' PC STA = 528+62.72 PT STA = 528+99.66 | PR CURVE TRAIL-S5-16 PI STA = 531+62.48 Δ = 84°57'32" (LT) D = 114°35'30" R = 50.00' T = 45.78' L = 74.14' E = 17.79' PC STA = 531+16.69 PT STA = 531+90.83 | |



| | | |
|---|--|--|
| PR CURVE TRAIL-S7-1 PI STA = 701+82.45 Δ = 11°12'38" (LT) D = 57°17'45" R = 100.00' T = 9.81' L = 19.57' E = 0.48' PC STA = 701+72.64 PT STA = 701+92.20 | PR CURVE TRAIL-S7-3 PI STA = 702+43.05 Δ = 15°23'14" (LT) D = 28°38'52" R = 200.00' T = 27.02' L = 53.71' E = 1.82' PC STA = 702+16.03 PT STA = 702+69.74 | PR CURVE TRAIL-S7-5 PI STA = 703+58.92 Δ = 13°22'31" (LT) D = 57°17'45" R = 100.00' T = 11.73' L = 23.34' E = 0.69' PC STA = 703+47.19 PT STA = 703+70.53 |
| PR CURVE TRAIL-S7-2 PI STA = 702+03.64 Δ = 22°06'21" (RT) D = 114°35'30" R = 50.00' T = 9.77' L = 19.29 E = 0.94' PC STA = 701+93.87 PT STA = 702+13.16 | PR CURVE TRAIL-S7-4 PI STA = 702+89.95 Δ = 22°16'22" (RT) D = 57°17'45" R = 100.00' T = 19.69' L = 38.87 E = 1.92' PC STA = 702+70.27 PT STA = 703+09.14 | PR CURVE TRAIL-S7-6 PI STA = 707+95.84 Δ = 49°47'05" (RT) D = 114°35'30" R = 50.00' T = 23.20' L = 43.45 E = 5.12' PC STA = 707+72.63 PT STA = 708+16.08 |



| | | |
|------------------------|------------|-----------|
| USER NAME = MMote | DESIGNED - | REVISED - |
| PLOT SCALE = \$SCALE\$ | DRAWN - | REVISED - |
| PLOT DATE = 2/14/2025 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

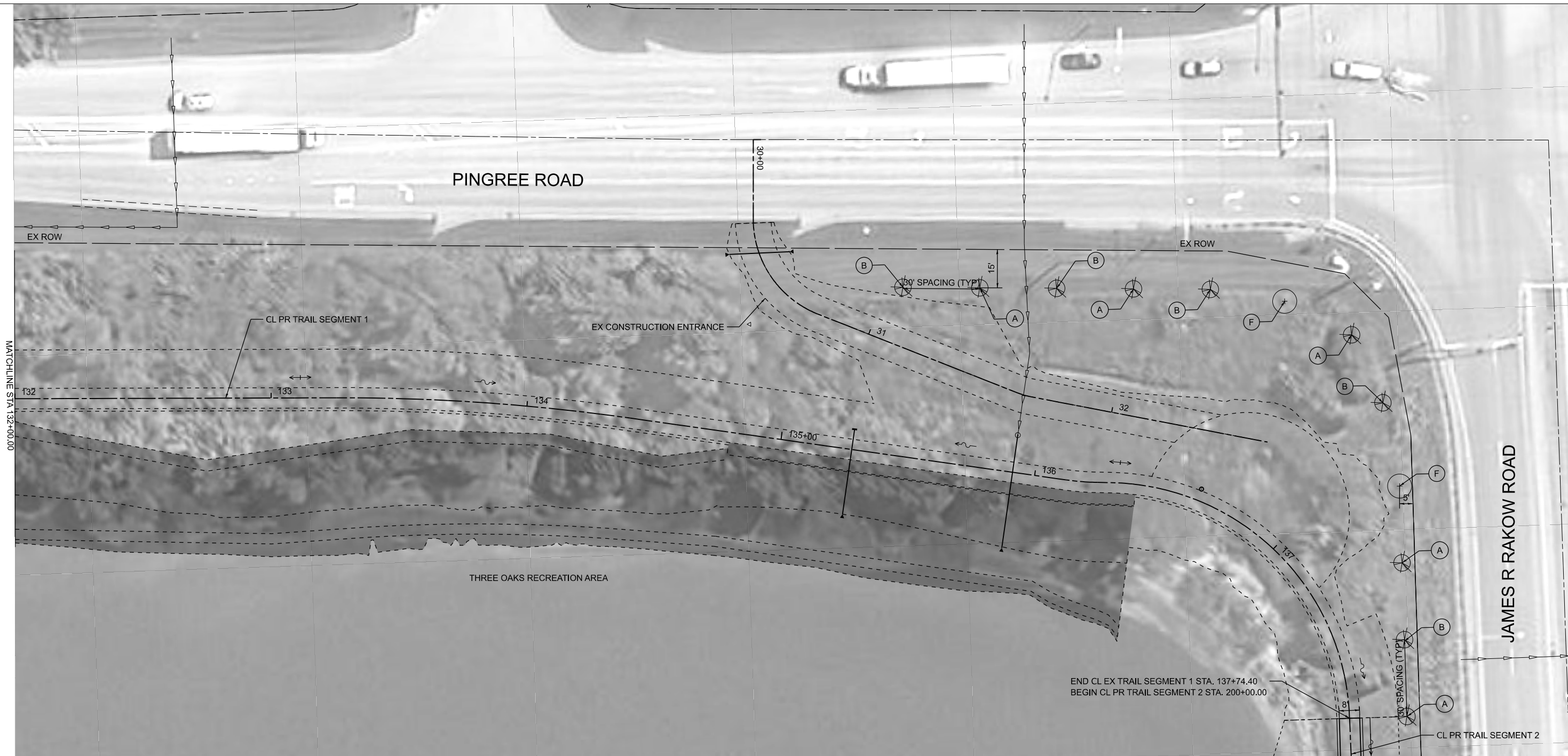
**CITY OF CRYSTAL LAKE
THREE OAKS RECREATION AREA**

**ALIGNMENT TIES AND BENCHMARKS
TRAIL SEGMENTS 5, 6, AND 7**

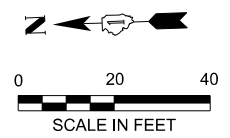
SCALE: 1"=40' SHEET 5 OF 6 SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------|---------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | MCHENRY | 97 | 10 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

MODEL: Trail Seg 01 - Sheet 9
 FILE NAME: C:\OpenRoads_Projects\C1260180_Crystal Lake - Three Oaks Path Ph. III\Plans\CAD_Sheets\Package 1\C1260180_Sht - Layout Plan.dgn



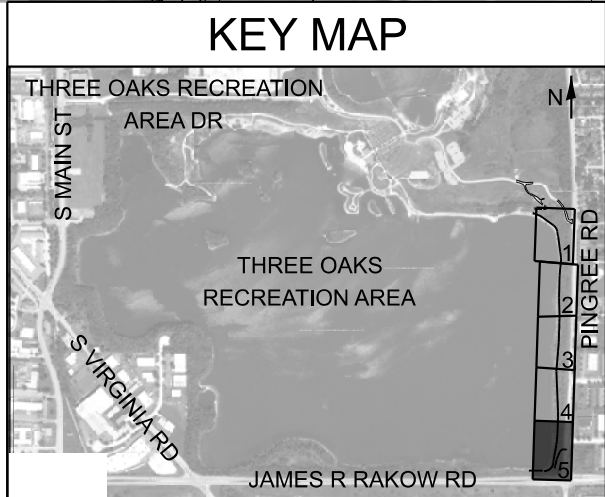
END CL EX TRAIL SEGMENT 1 STA. 137+74.40
 BEGIN CL PR TRAIL SEGMENT 2 STA. 200+00.00



NOTE:
 LOCATIONS OF PROPOSED TREES ARE APPROXIMATE
 AND SHALL BE CONFIRMED BY THE ENGINEER BASED
 ON EXISTING FIELD CONDITIONS.

LEGEND

- (A) EVERGREEN, JUNIPERUS VIRGINIANA (EASTERN RED CEDAR)
- (B) EVERGREEN, PICEA PUNGENS GLAUCA (COLORADO BLUE SPRUCE)
- (F) TREE, CERCIS CANADENSIS (EASTERN REDBUD)



| | | |
|--------------------------|------------|-----------|
| USER NAME = MMote | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = \$\$SCALE\$ | CHECKED - | REVISED - |
| PLOT DATE = 6/17/2024 | DATE - | REVISED - |

**CITY OF CRYSTAL LAKE
 THREE OAKS RECREATION AREA**

**PLAN
 TRAIL SEGMENT 2**

SCALE: 1"=20' SHEET 1 OF 15 SHEETS STA. 132+00.00 TO STA. 137+74.40

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| | | MCENRY | 97 | 12 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

MODEL: Trail Seg 03-1 Sheet 1
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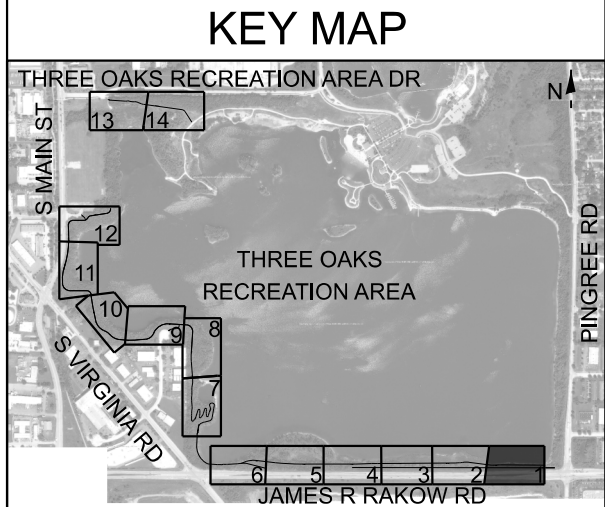
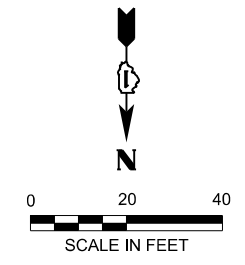


NOTE:
 LOCATIONS OF PROPOSED TREES ARE APPROXIMATE
 AND SHALL BE CONFIRMED BY THE ENGINEER BASED
 ON EXISTING FIELD CONDITIONS.

LEGEND

- PROPOSED RIPRAP
- EXISTING VEGETATED SPILLWAY

- (A) EVERGREEN, JUNIPERUS VIRGINIANA (EASTERN RED CEDAR)
- (B) EVERGREEN, PICEA PUNGENS GLAUCA (COLORADO BLUE SPRUCE)
- (C) TREE, CRATAEGUS CRUGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN)
- (D) TREE, QUERCUS ALBA (WHITE OAK)
- (E) TREE, QUERCUS RUBRA (RED OAK)



| | | |
|------------------------|------------|-----------|
| USER NAME = MMote | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - | REVISED - |
| PLOT DATE = 3/4/2025 | DATE - | REVISED - |

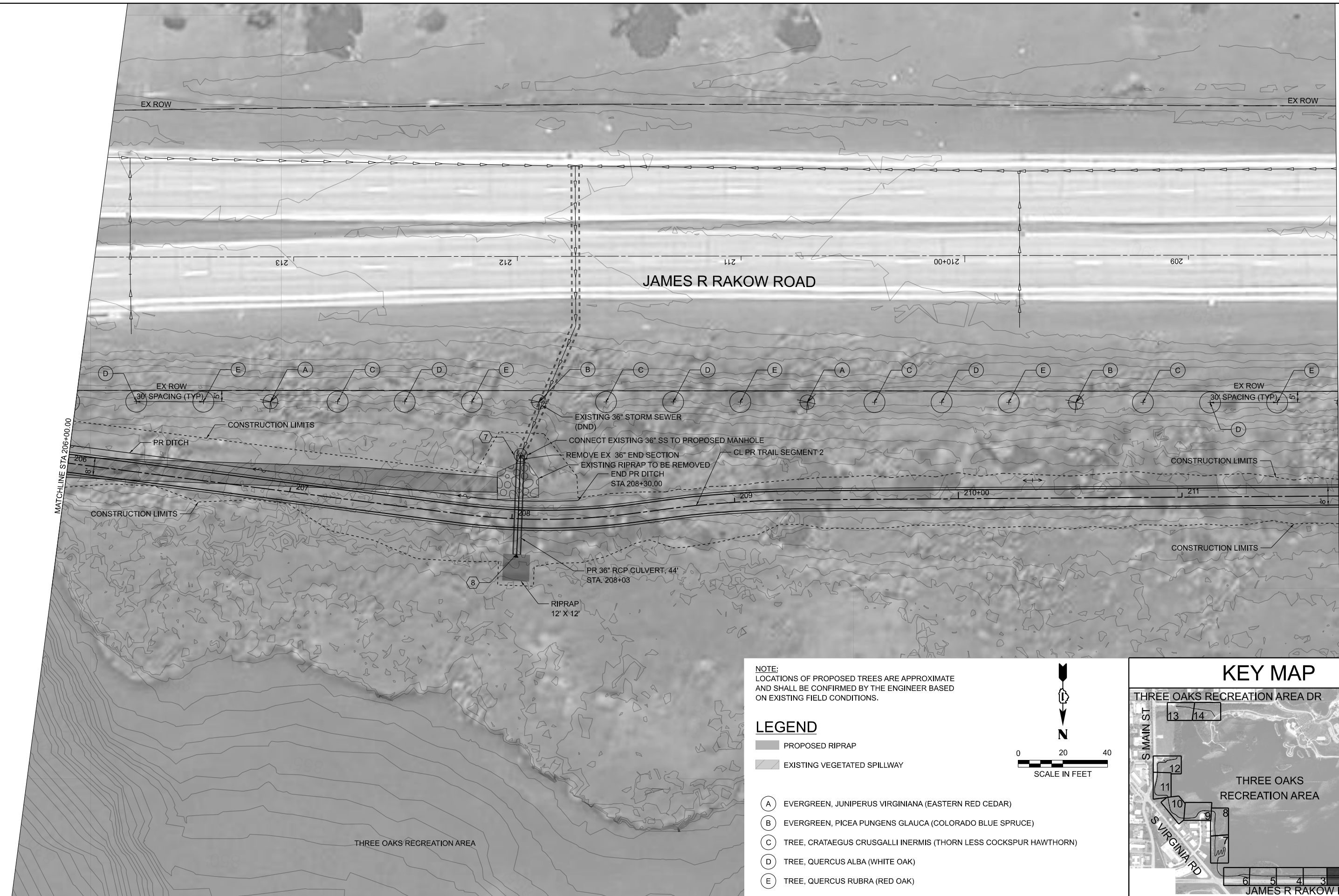
**CITY OF CRYSTAL LAKE
 THREE OAKS RECREATION AREA**

**PLAN
 TRAIL SEGMENT 2**

SCALE: 1"=20' SHEET 2 OF 15 SHEETS STA.200+00.00 TO STA. 206+00.00

| | | | | |
|---------------------------|---------|---------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | MCHENRY | 97 | 13 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

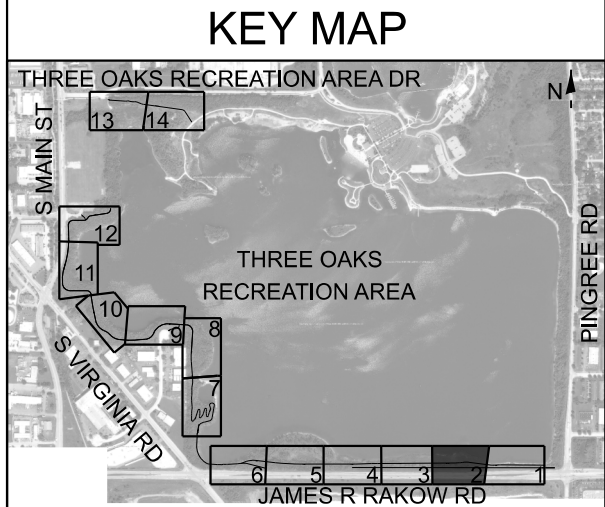
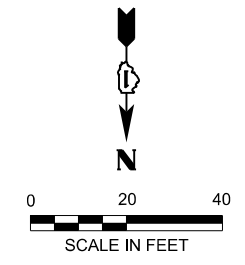
MODEL: Trail Seg 03-2 Sheet 2
 FILE NAME: P:\1260180_Crystal Lake - Three Oaks Path\11\11\11\11\CAD_Sheets\Package 2\30 C1260180_Sht - Plan and Profiles_Seg 3-2.dgn



NOTE:
 LOCATIONS OF PROPOSED TREES ARE APPROXIMATE
 AND SHALL BE CONFIRMED BY THE ENGINEER BASED
 ON EXISTING FIELD CONDITIONS.

LEGEND

- PROPOSED RIPRAP
- EXISTING VEGETATED SPILLWAY
- (A) EVERGREEN, JUNIPERUS VIRGINIANA (EASTERN RED CEDAR)
- (B) EVERGREEN, PICEA PUNGENS GLAUCA (COLORADO BLUE SPRUCE)
- (C) TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN)
- (D) TREE, QUERCUS ALBA (WHITE OAK)
- (E) TREE, QUERCUS RUBRA (RED OAK)



| | | |
|------------------------|------------|-----------|
| USER NAME = MMote | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - | REVISED - |
| PLOT DATE = 3/4/2025 | DATE - | REVISED - |

**CITY OF CRYSTAL LAKE
 THREE OAKS RECREATION AREA**

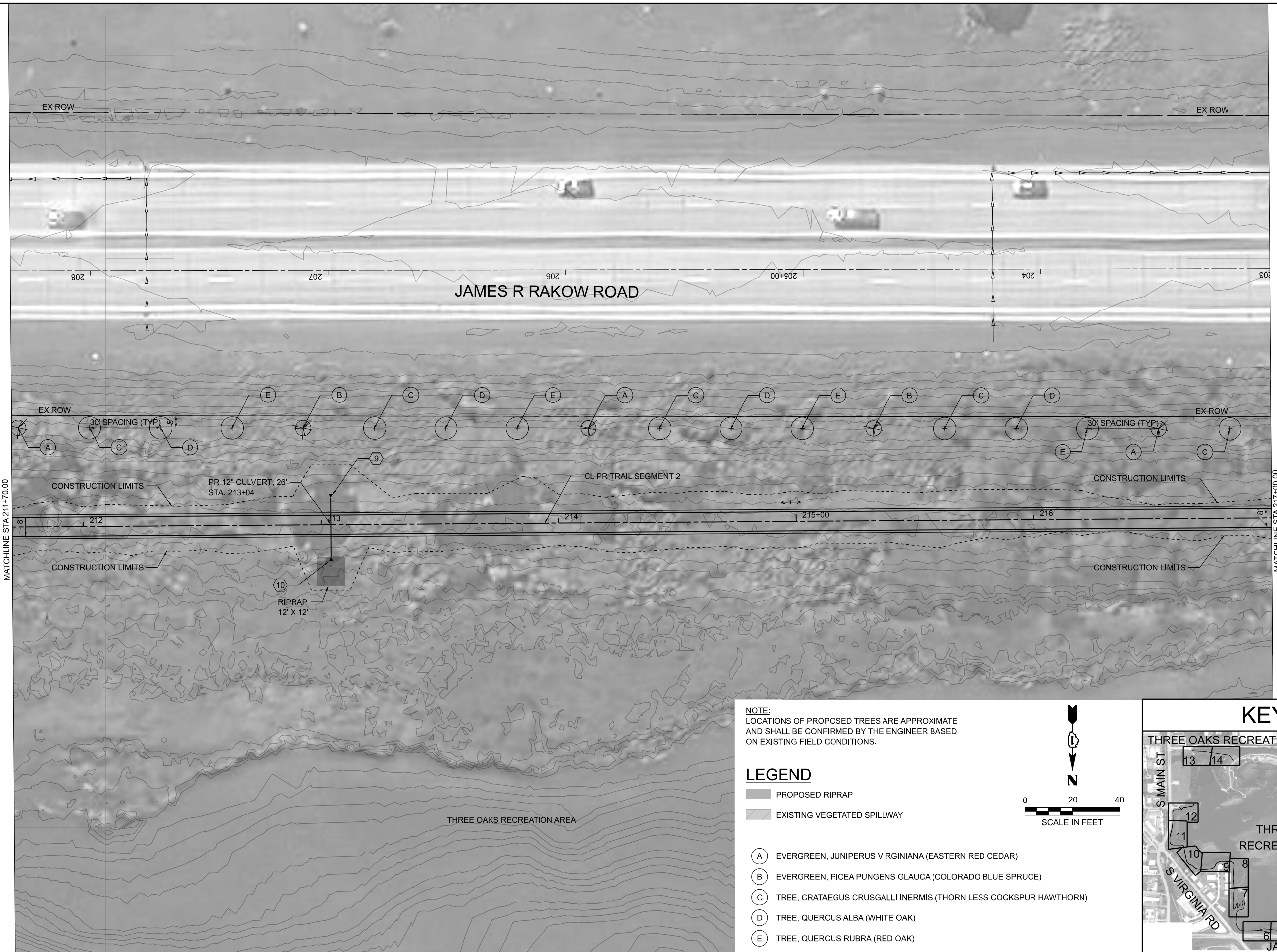
**PLAN
 TRAIL SEGMENT 2**

SCALE: 1"=20' SHEET 3 OF 15 SHEETS STA. 206+00 TO STA. 211+70

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------|---------|---------|--------------|-----------|
| | | MCHENRY | 97 | 14 |
| CONTRACT NO. | | | | |

ILLINOIS FED. AID PROJECT

MODEL: Trail Seg 03-3 Sheet 3
 FILE NAME: P:\C1260180\C1260180_Crystal Lake - Three Oaks Path\Drawings\CAD_Sheets\Package 2\30 C1260180_Sht - Plan and Profiles_Seg 3-2.dgn

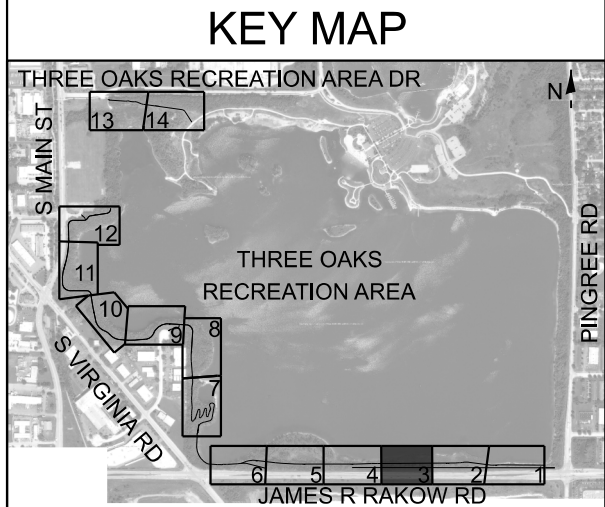
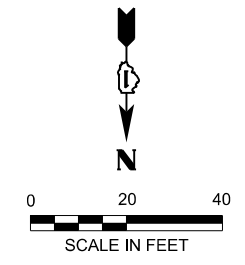


NOTE:
 LOCATIONS OF PROPOSED TREES ARE APPROXIMATE
 AND SHALL BE CONFIRMED BY THE ENGINEER BASED
 ON EXISTING FIELD CONDITIONS.

LEGEND

- PROPOSED RIPRAP
- EXISTING VEGETATED SPILLWAY

- (A) EVERGREEN, JUNIPERUS VIRGINIANA (EASTERN RED CEDAR)
- (B) EVERGREEN, PICEA PUNGENS GLAUCA (COLORADO BLUE SPRUCE)
- (C) TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN)
- (D) TREE, QUERCUS ALBA (WHITE OAK)
- (E) TREE, QUERCUS RUBRA (RED OAK)



| | | |
|------------------------|------------|-----------|
| USER NAME = MMote | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - | REVISED - |
| PLOT DATE = 3/4/2025 | DATE - | REVISED - |

**CITY OF CRYSTAL LAKE
 THREE OAKS RECREATION AREA**

**PLAN
 TRAIL SEGMENT 2**

SCALE: 1"=20' SHEET 4 OF 15 SHEETS STA. 211+70 TO STA. 217+00

| | | | | |
|---------------------------|---------|---------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | MCHENRY | 97 | 15 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

MODEL: Trail Seg 03-4 Sheet 4
 FILE NAME: P:\C1260180-Crystal Lake - Three Oaks Park\Drawings\CAD_Sheets\Package 2\30 C1260180_Sht - Plan and Profiles_Seg 3-2.dwg

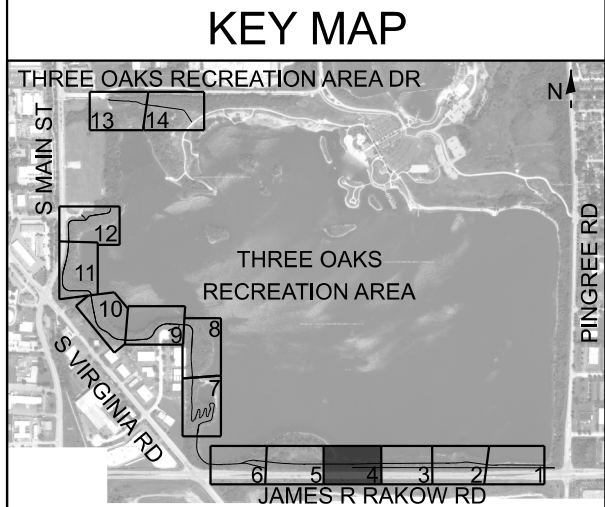
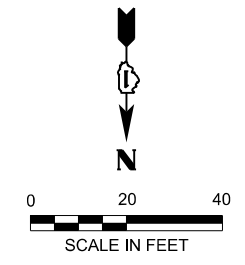


NOTE:
 LOCATIONS OF PROPOSED TREES ARE APPROXIMATE
 AND SHALL BE CONFIRMED BY THE ENGINEER BASED
 ON EXISTING FIELD CONDITIONS.

LEGEND

- PROPOSED RIPRAP
- EXISTING VEGETATED SPILLWAY

- (A) EVERGREEN, JUNIPERUS VIRGINIANA (EASTERN RED CEDAR)
- (B) EVERGREEN, PICEA PUNGENS GLAUCA (COLORADO BLUE SPRUCE)
- (C) TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN)
- (D) TREE, QUERCUS ALBA (WHITE OAK)
- (E) TREE, QUERCUS RUBRA (RED OAK)



| | | |
|------------------------|------------|-----------|
| USER NAME = MMote | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - | REVISED - |
| PLOT DATE = 3/4/2025 | DATE - | REVISED - |

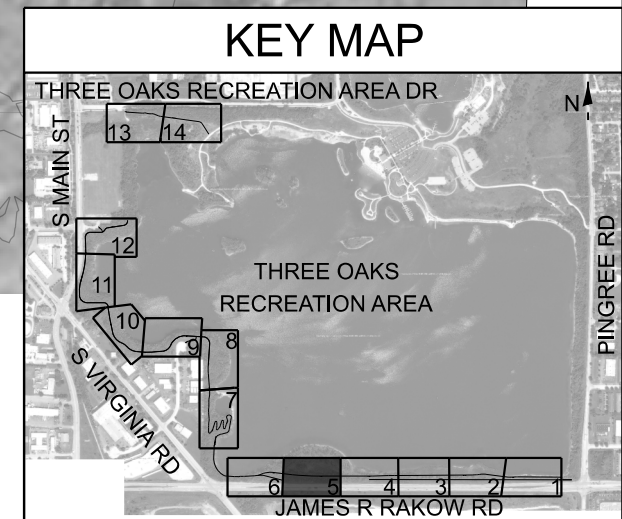
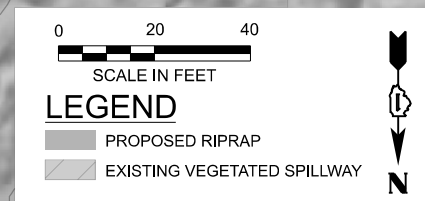
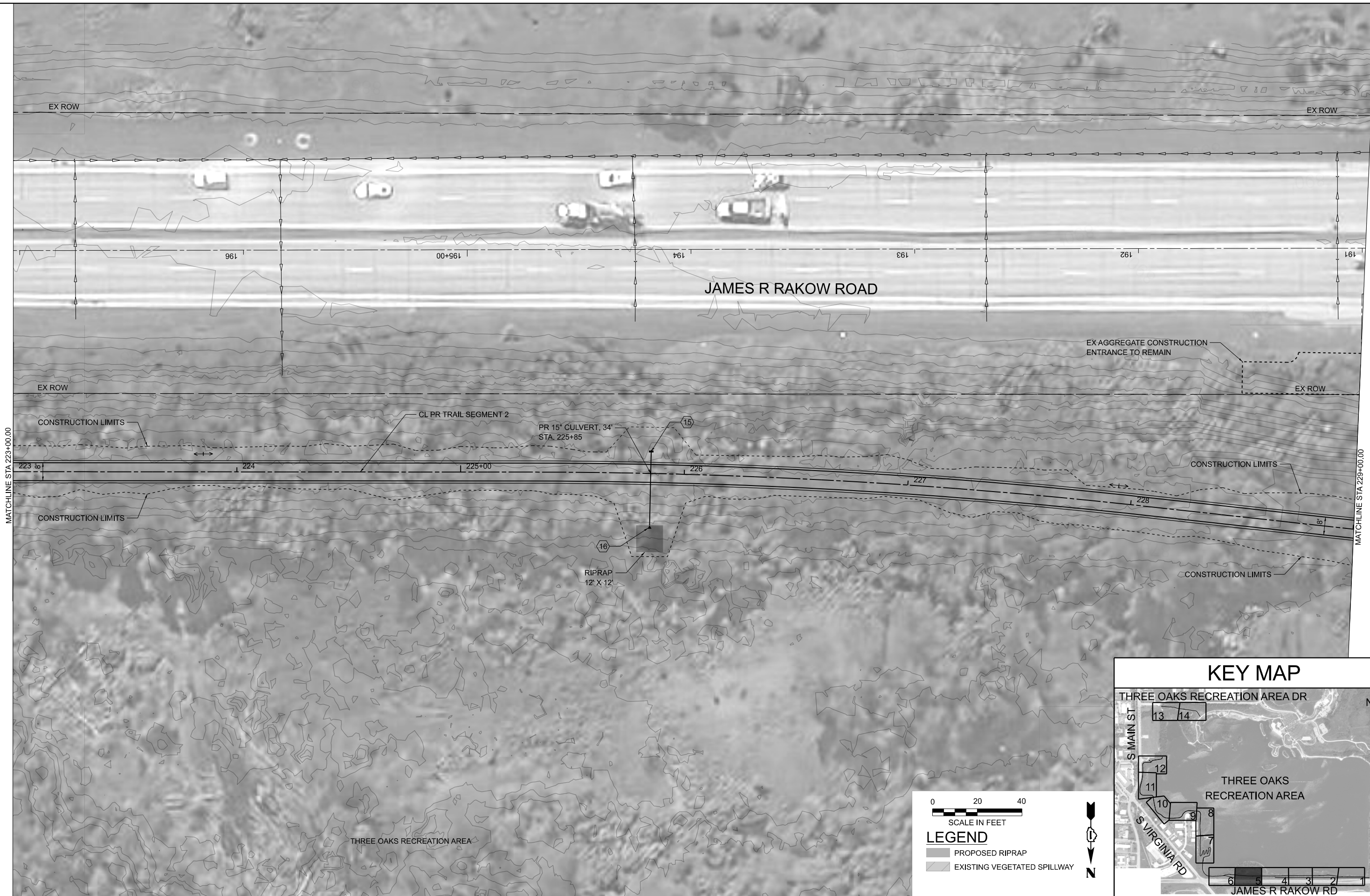
**CITY OF CRYSTAL LAKE
 THREE OAKS RECREATION AREA**

**PLAN
 TRAIL SEGMENT 2**

SCALE: 1"=20' SHEET 5 OF 15 SHEETS STA. 217+00 TO STA. 223+00

| | | | | |
|---------------------------|---------|---------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | MCHENRY | 97 | 16 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

MODEL: Trail Seg 03-5 Sheet 5
 FILE NAME: P:\C1260180-Crystal Lake - Three Oaks Park\Drawings\CAD_Sheets\Package 2\30 C1260180_Sht - Plan and Profiles_Seg 3-2.dgn



| | | |
|------------------------|------------|-----------|
| USER NAME = MMote | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - | REVISED - |
| PLOT DATE = 3/4/2025 | DATE - | REVISED - |

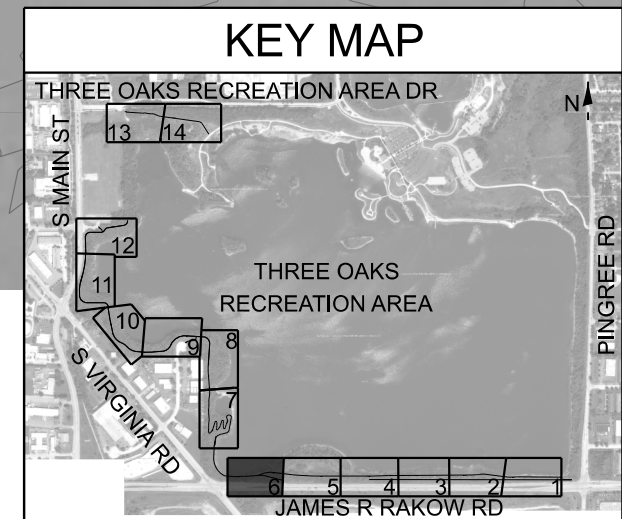
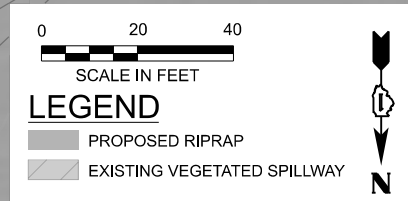
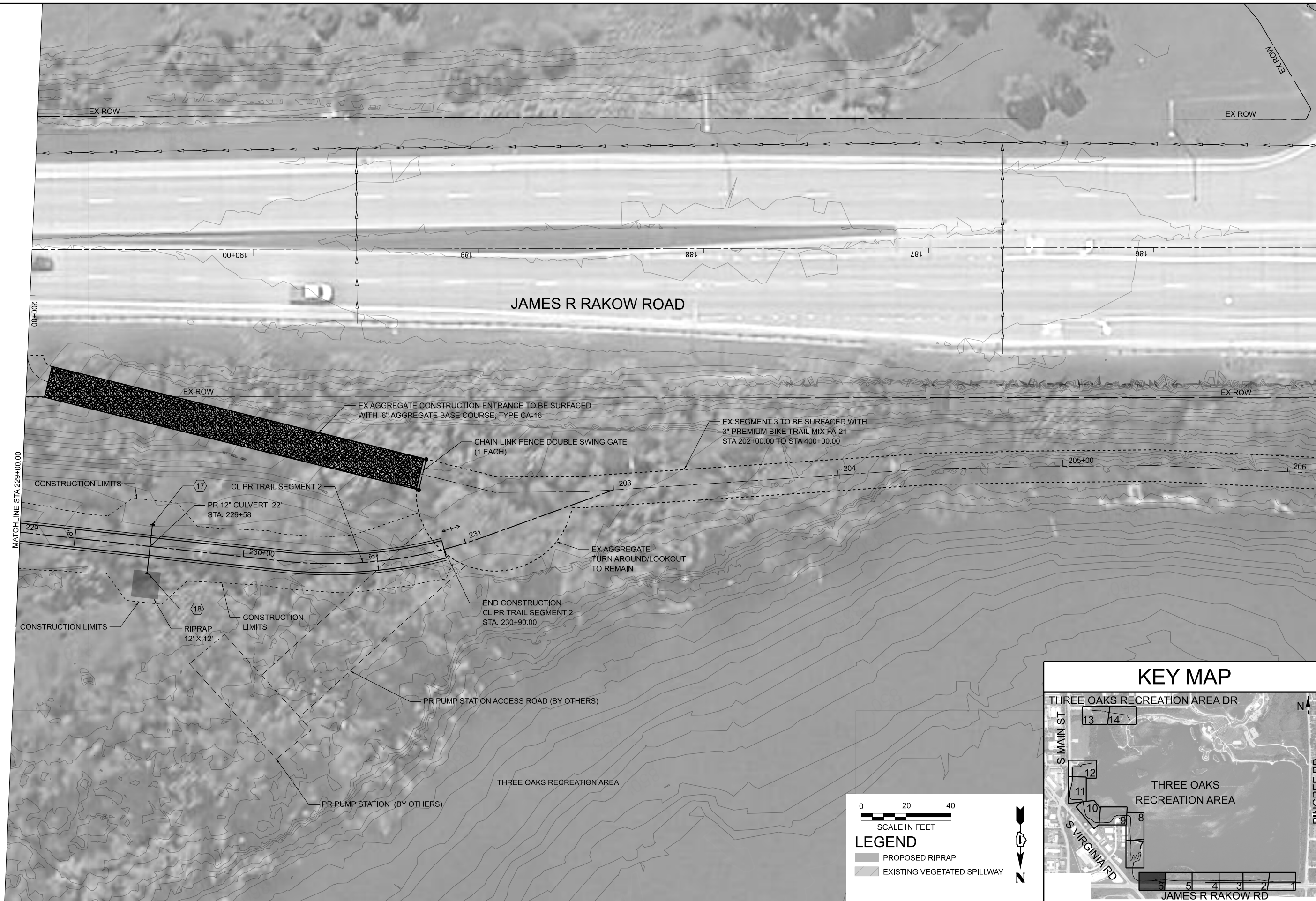
**CITY OF CRYSTAL LAKE
 THREE OAKS RECREATION AREA**

**PLAN
 TRAIL SEGMENT 2**

SCALE: 1"=20' SHEET 6 OF 15 SHEETS STA. 223+00 TO STA. 229+00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|---------|--------------|-----------|
| | | MCHENRY | 97 | 17 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

MODEL: Trail Seg 03-16 Sheet 6
 FILE NAME: P:\C1260180-Crystal Lake - Three Oaks Park\H\H\H\H\CAD_Sheets\Package 230 C1260180_Sht - Plan and Profiles_Seg 3-2.dgn



| | | |
|------------------------|------------|-----------|
| USER NAME = MMote | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - | REVISED - |
| PLOT DATE = 3/4/2025 | DATE - | REVISED - |

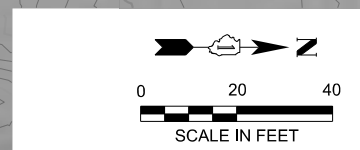
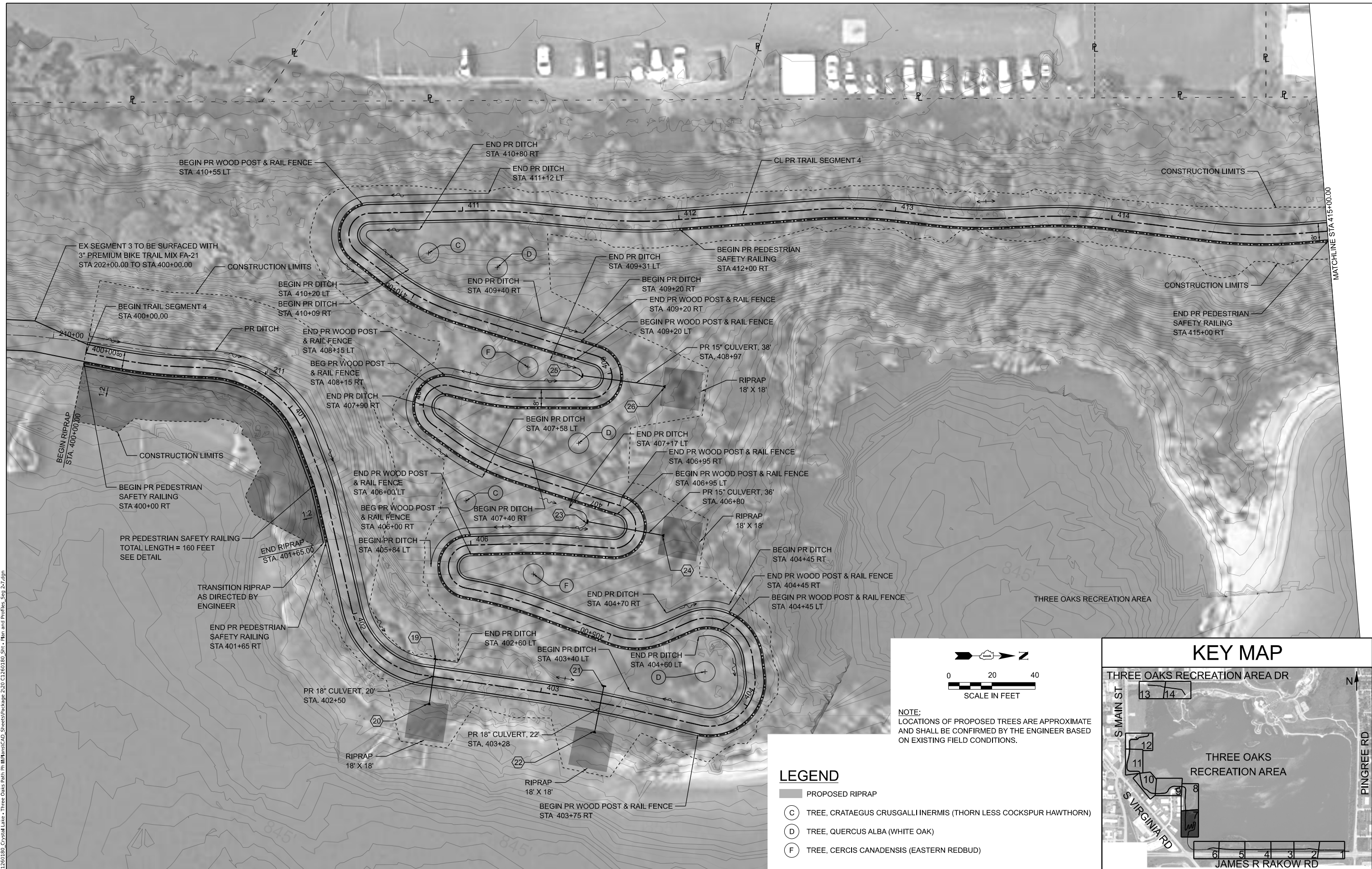
**CITY OF CRYSTAL LAKE
 THREE OAKS RECREATION AREA**

**PLAN
 TRAIL SEGMENT 2**

SCALE: 1"=20' SHEET 7 OF 15 SHEETS STA. 229+00 TO STA. 230+00

| | | | | |
|---------------------------|---------|---------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | MCHENRY | 97 | 18 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

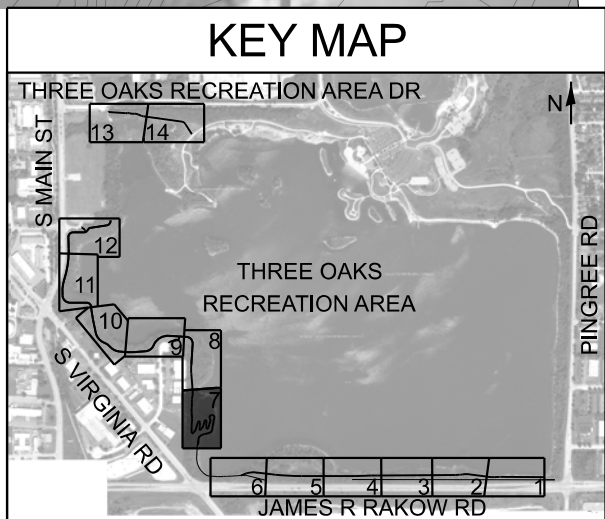
MODEL: Trail Seg 04-1 Sheet 7
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NOTE:
 LOCATIONS OF PROPOSED TREES ARE APPROXIMATE
 AND SHALL BE CONFIRMED BY THE ENGINEER BASED
 ON EXISTING FIELD CONDITIONS.

LEGEND

- PROPOSED RIPRAP
- (C) TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN)
- (D) TREE, QUERCUS ALBA (WHITE OAK)
- (F) TREE, CERCIS CANADENSIS (EASTERN REDBUD)



| | | |
|------------------------|------------|-----------|
| USER NAME = AAcevedo | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - | REVISED - |
| PLOT DATE = 3/3/2025 | DATE - | REVISED - |

**CITY OF CRYSTAL LAKE
 THREE OAKS RECREATION AREA**

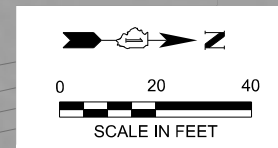
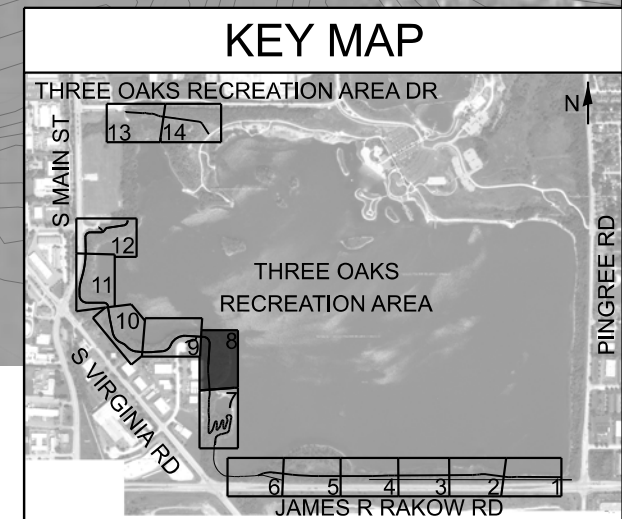
**PLAN
 TRAIL SEGMENT 4**

SCALE: 1"=20' SHEET 8 OF 15 SHEETS STA. 400+00 TO STA. 415+00

| | | | | |
|---------------------------|---------|---------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | MCHENRY | 97 | 19 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



MODEL: Trail Seg 04-2 05-1 Sheet 8
 FILE NAME: P:\C1260180_Crystal Lake - Three Oaks Path\H\H\H\H\CAD_Sheets\Package 2\0 C1260180_Sht - Plan and Profiles_Seg 2-7.dgn



| | | |
|------------------------|------------|-----------|
| USER NAME = AAcevedo | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - | REVISED - |
| PLOT DATE = 3/3/2025 | DATE - | REVISED - |

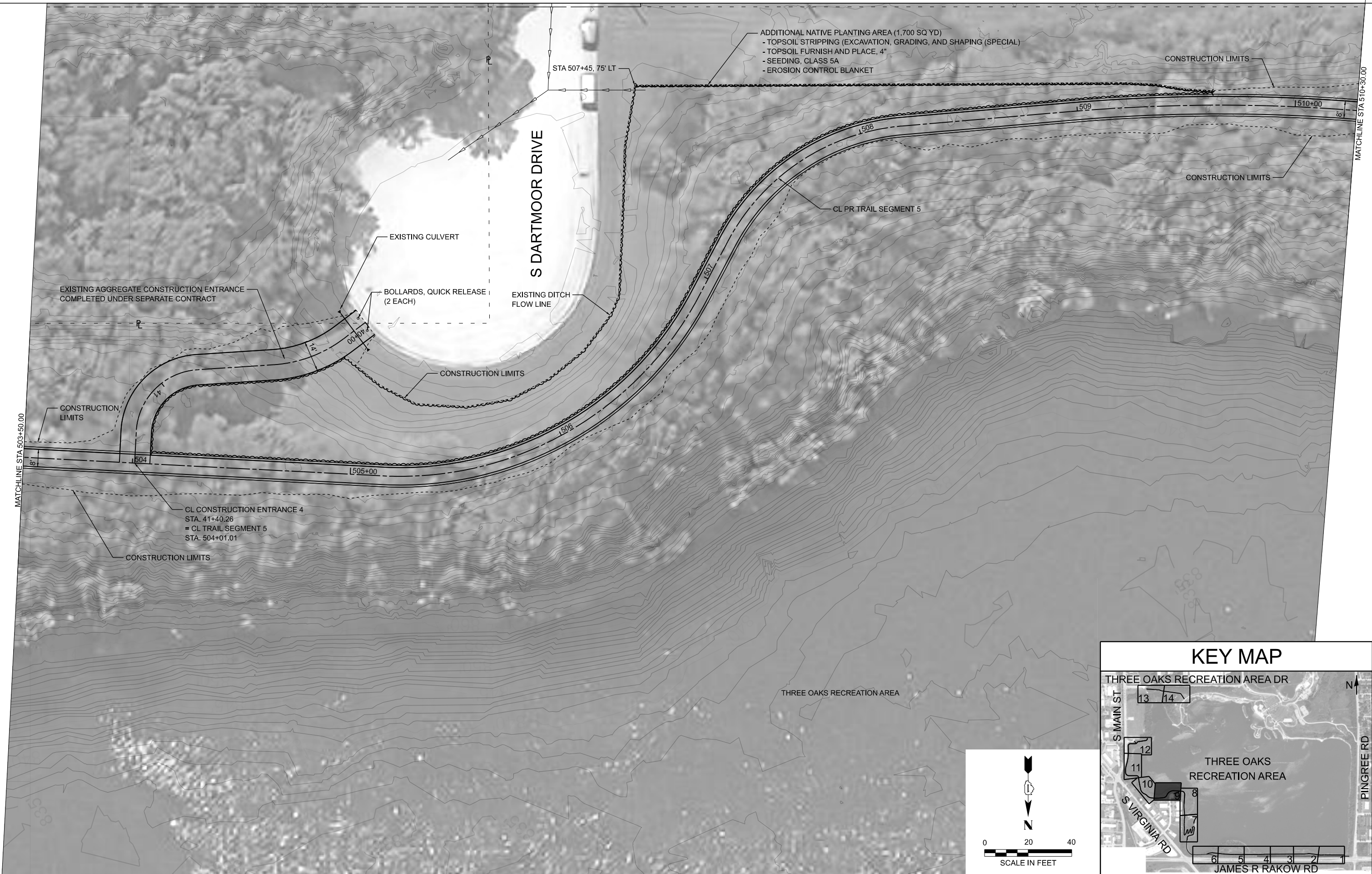
CITY OF CRYSTAL LAKE
THREE OAKS RECREATION AREA

PLAN
TRAIL SEGMENTS 4 AND 5

SCALE: 1"=20' SHEET 9 OF 15 SHEETS STA. 415+00 TO STA. 503+50

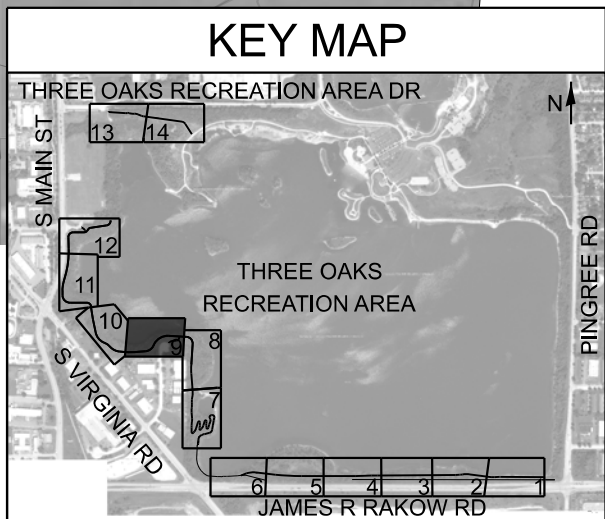
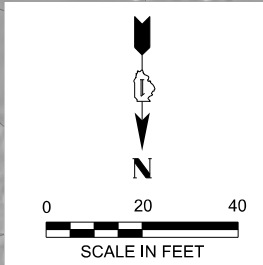
| | | | | |
|---------------------------|---------|---------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | MCHENRY | 97 | 20 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

MODEL: Trail Seg 05-2 Sheet 9
 FILE NAME: P:\1260180-Crystal Lake - Three Oaks Path\11\11\11\11\CAD_Sheets\Package 2\10 C1260180_Sht - Plan and Profiles_Seg 2-7.dgn



- ADDITIONAL NATIVE PLANTING AREA (1,700 SQ YD)
- TOPSOIL STRIPPING (EXCAVATION, GRADING, AND SHAPING (SPECIAL))
- TOPSOIL FURNISH AND PLACE, 4"
- SEEDING, CLASS 5A
- EROSION CONTROL BLANKET

CL CONSTRUCTION ENTRANCE 4
 STA. 41+40.26
 = CL TRAIL SEGMENT 5
 STA. 504+01.01



| | | |
|------------------------|------------|-----------|
| USER NAME = AAcevedo | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - | REVISED - |
| PLOT DATE = 3/3/2025 | DATE - | REVISED - |

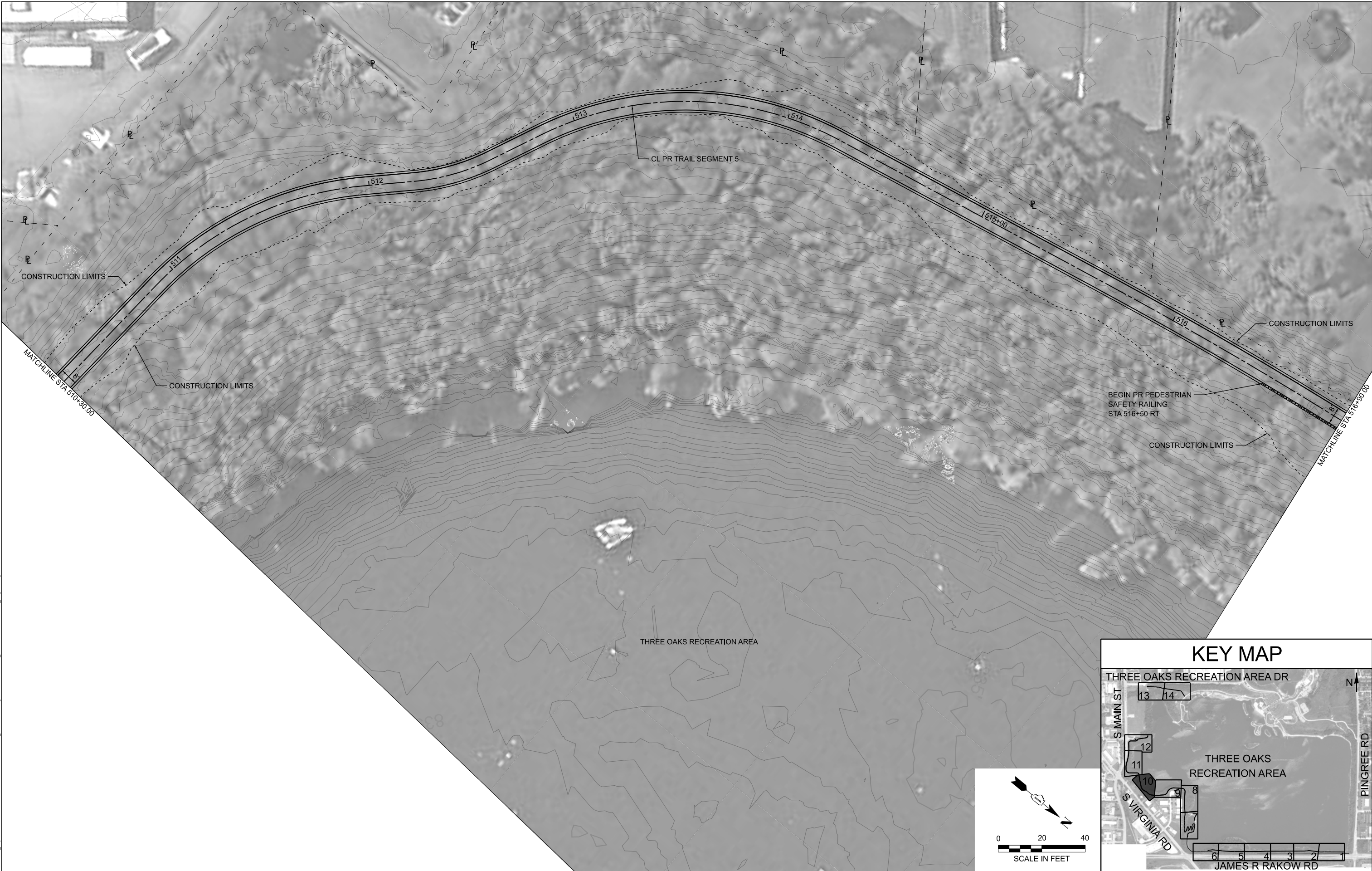
**CITY OF CRYSTAL LAKE
 THREE OAKS RECREATION AREA**

**PLAN
 TRAIL SEGMENT 5**

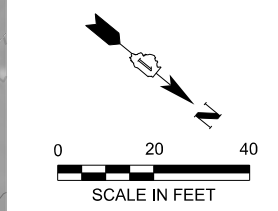
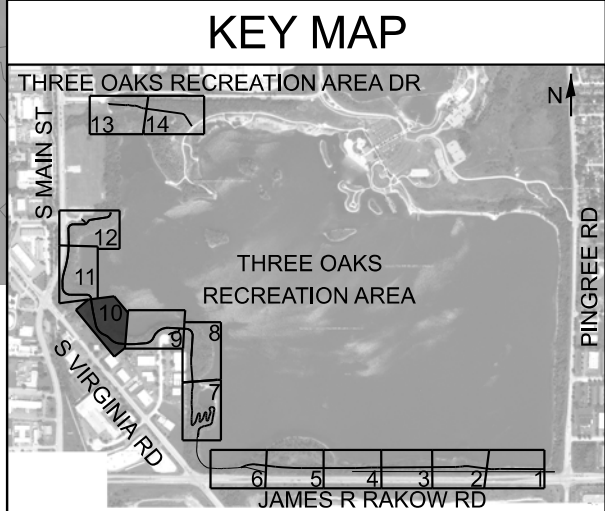
SCALE: 1"=20' SHEET 10 OF 15 SHEETS STA. 503+50 TO STA. 510+30

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------|---------|---------|--------------|-----------|
| | | MCHENRY | 97 | 21 |
| CONTRACT NO. | | | | |

ILLINOIS FED. AID PROJECT



MODEL: Trail Seg 05-3 Sheet 10
 FILE NAME: P:\C1260180_Crystal Lake - Three Oaks Path\H\H\H\H\CAD_Sheets\Package 2\30 C1260180_Sht - Plan and Profiles_Seg 3-7.dgn



| | | |
|------------------------|------------|-----------|
| USER NAME = AAcevedo | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - | REVISED - |
| PLOT DATE = 3/3/2025 | DATE - | REVISED - |

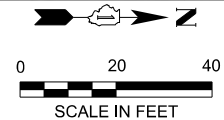
**CITY OF CRYSTAL LAKE
THREE OAKS RECREATION AREA**

**PLAN
TRAIL SEGMENT 5**

SCALE: 1"=20' SHEET 11 OF 15 SHEETS STA. 510+30 TO STA. 516+90

| | | | | |
|---------------------------|---------|---------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | MCHENRY | 97 | 22 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

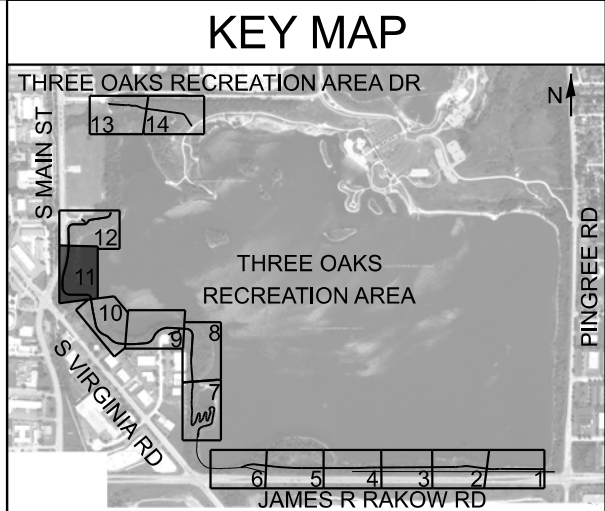
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NOTE:
 LOCATIONS OF PROPOSED TREES ARE APPROXIMATE
 AND SHALL BE CONFIRMED BY THE ENGINEER BASED
 ON EXISTING FIELD CONDITIONS.

LEGEND

- (A) EVERGREEN, JUNIPERUS VIRGINIANA (EASTERN RED CEDAR)
- (B) EVERGREEN, PICEA PUNGENS GLAUCA (COLORADO BLUE SPRUCE)
- (C) TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN)
- (F) TREE, CERCIS CANADENSIS (EASTERN REDBUD)



| | | |
|------------------------|------------|-----------|
| USER NAME = AAcevedo | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - | REVISED - |
| PLOT DATE = 3/3/2025 | DATE - | REVISED - |

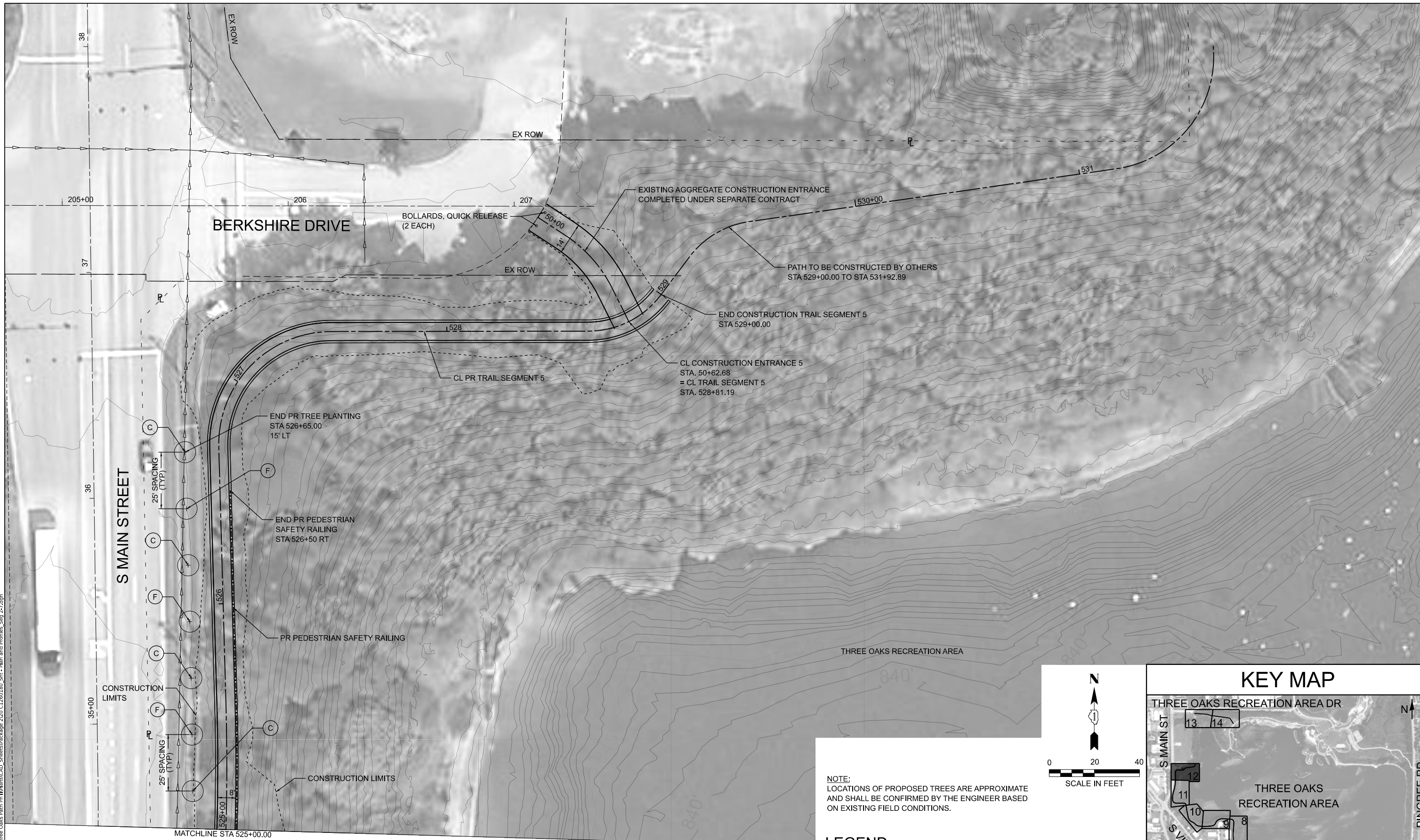
**CITY OF CRYSTAL LAKE
 THREE OAKS RECREATION AREA**

**PLAN
 TRAIL SEGMENT 5**

SCALE: 1"=20' SHEET 12 OF 15 SHEETS STA. 516+90 TO STA. 525+00

| | | | | |
|---------------------------|---------|---------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | MCHENRY | 97 | 23 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

MODEL: Trail Seg 05-5 Sheet 12
 FILE NAME: P:\C1260180_Crystal Lake - Three Oaks Path\H\H\H\CAD_Sheets\Package 2\30 C1260180_SH - Plan and Profiles_Seg 3-7.dgn



S MAIN STREET

BERKSHIRE DRIVE

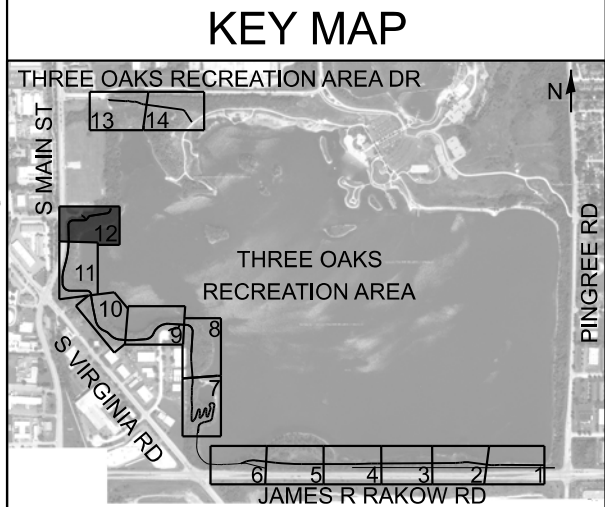
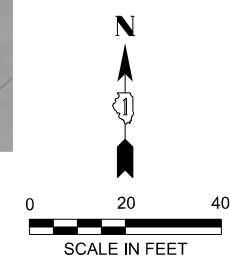
**CITY OF CRYSTAL LAKE
 THREE OAKS RECREATION AREA**

**PLAN
 TRAIL SEGMENT 5**

NOTE:
 LOCATIONS OF PROPOSED TREES ARE APPROXIMATE
 AND SHALL BE CONFIRMED BY THE ENGINEER BASED
 ON EXISTING FIELD CONDITIONS.

LEGEND

- (C) TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN)
- (F) TREE, CERCIS CANADENSIS (EASTERN REDBUD)



| | | |
|------------------------|------------|-----------|
| USER NAME = AAcevedo | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - | REVISED - |
| PLOT DATE = 3/3/2025 | DATE - | REVISED - |

SCALE: 1"=20' SHEET 13 OF 15 SHEETS STA. 525+00 TO STA. 531+00

| | | | | |
|---------------------------|---------|---------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | MCHENRY | 97 | 24 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

THREE OAKS RECREATION AREA DRIVE

BOLLARDS, QUICK RELEASE
(2 EACH)

CONSTRUCTION
ENTRANCE 6

CONSTRUCTION LIMITS

CL PR TRAIL SEGMENT 7

CONSTRUCTION LIMITS

700+00

701

702

703

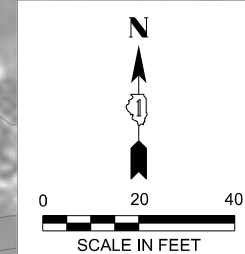
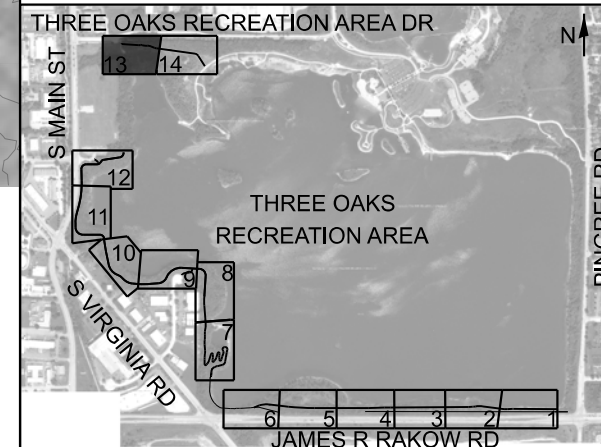
CONSTRUCTION LIMITS

CONSTRUCTION LIMITS

MATCHLINE STA 704+00.00

THREE OAKS RECREATION AREA

KEY MAP



MODEL: Trail Seg 03-14 Sheet 13
FILE NAME: P:\C1260180-Crystal Lake - Three Oaks Path\H\H\H\CAD_Sheets\Package 2\30 C1260180_Sht - Plan and Profiles_Seg 3-7.dgn

| | | |
|------------------------|------------|-----------|
| USER NAME = AAcevedo | DESIGNED - | REVISED - |
| PLOT SCALE = \$SCALE\$ | DRAWN - | REVISED - |
| PLOT DATE = 3/3/2025 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

CITY OF CRYSTAL LAKE
THREE OAKS RECREATION AREA

PLAN
TRAIL SEGMENT 7

SCALE: 1"=20' SHEET 14 OF 15 SHEETS STA. 700+00 TO STA. 704+00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|---------|--------------|-----------|
| | | MCHENRY | 97 | 25 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |