

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLANS FOR URBANA PARK DISTRICT  
CRYSTAL LAKE SHARED USE PATH

URBANA PARK DISTRICT  
URBANA, ILLINOIS

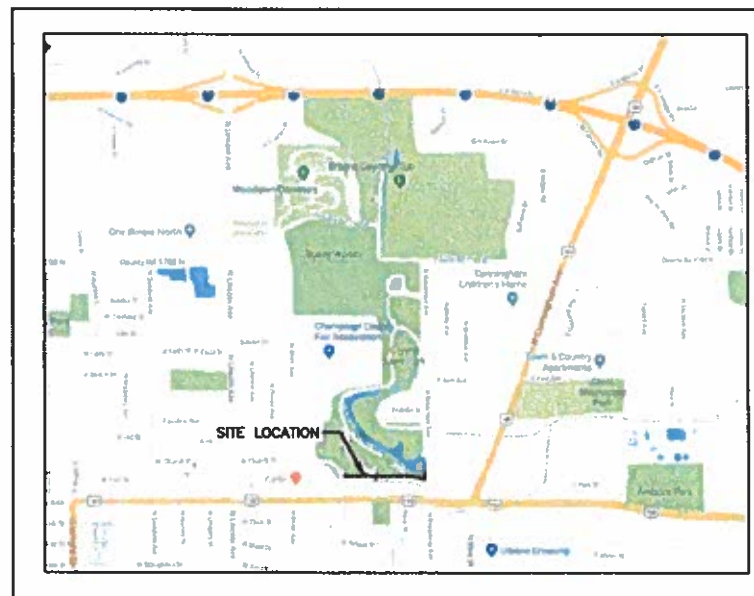
SECTION: 17-P4003-00-BT  
PROJECT NO. QS6W(150)  
JOB NO. C-95-081-18  
FUNDING: ITEP/LOCAL

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| UTILITIES             |                                    |
|-----------------------|------------------------------------|
| UTILITY TYPE          | COMMON NAME                        |
| WATER                 | ILLINOIS AMERICAN WATER            |
| ELECTRIC              | AMEREN                             |
| TELEPHONE             | AT&T                               |
| GAS                   | AMEREN                             |
| CABLE                 | COMCAST                            |
| SANITARY & STORM      | CITY OF URBANA                     |
| SANITARY INTERCEPTORS | URBANA CHAMPAIGN SANITARY DISTRICT |
| TELECOMMUNICATIONS    | I3                                 |
| TELECOMMUNICATIONS    | CONSOLIDATED                       |

(CONTRACTOR TO BE RESPONSIBLE FOR ANY ADJUSTMENTS TO BE MADE.)



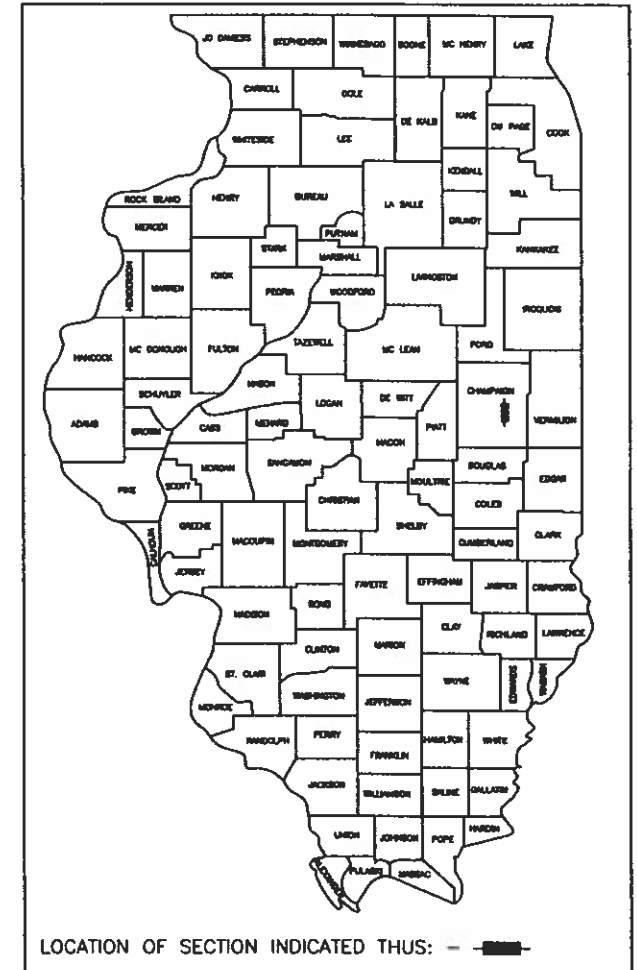
LOCATION MAP

LENGTH OF SECTION = 2,352 FT = 0.45 MILES

**FEHR GRAHAM**  
ENGINEERING & ENVIRONMENTAL

ILLINOIS IOWA WISCONSIN

ILLINOIS PROFESSIONAL DESIGN FIRM NUMBER: 184003525



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED Aug. 15, 2018  
Timothy A. Bartlett  
URBANA PARK DISTRICT

PASSED AUGUST 17, 2018  
[Signature]  
DISTRICT 5 ENGINEER OF LOCAL ROADS AND STREETS

RELEASED FOR BID BASED ON LIMITED REVIEW August 17, 2018  
[Signature]  
REGION 3 ENGINEER  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



Chad M. Osterbur 8/16/18  
DATE  
CHAD M. OSTERBUR  
ILLINOIS LICENSED PROFESSIONAL ENGINEER #059195  
LICENSE EXPIRES 11/30/19

| REVISIONS |                               | DATE   |
|-----------|-------------------------------|--------|
| 1         | PER DOT/CITY OF URBANA REVIEW | 8/9/18 |
|           |                               |        |
|           |                               |        |
|           |                               |        |
|           |                               |        |

**GENERAL NOTES**

- THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MUNICIPAL CODE, CITY OF URBANA, ILLINOIS, CURRENT EDITION, THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION, "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS," CURRENT EDITION, SPECIAL PROVISIONS AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION. SIGN CONSTRUCTION AND PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", CURRENT EDITION.
- IN THESE CONTRACT DOCUMENTS MENTION IS MADE OF THE "ENGINEER", WHICH SHALL MEAN FEHR GRAHAM OR THEIR DULY AUTHORIZED AGENT. IN THESE CONTRACT DOCUMENTS MENTION IS MADE OF THE "OWNER", WHICH SHALL MEAN URBANA PARK DISTRICT, OR THEIR DULY AWARDED AGENT.
- AS PART OF THE BIDDING PROCEDURE, THE CONTRACTOR SHALL VERIFY THAT THE QUANTITIES FOR PAY ITEMS, AS PRESENTED IN THESE PLAN DOCUMENTS, ARE SUBSTANTIALLY CORRECT. IF DISCREPANCIES ARE DETECTED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF THE DISCREPANCY PRIOR TO THE BID DATE.
- QUANTITIES SHOWN ARE ESTIMATES FOR INFORMATION ONLY. PAYMENT WILL BE BASED ON ACTUAL QUANTITIES MEASURED IN THE FIELD OR ON PAYMENT LIMIT DETAILS.
- THE CONTRACTOR SHALL BE PAID FOR MATERIALS AND EQUIPMENT SUCCESSFULLY INSTALLED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AS MEASURED OR VERIFIED IN PLACE BY THE ENGINEER OR HIS AGENT.
- IN CASE OF CONFLICT BETWEEN THE ABOVE MENTIONED SPECIFICATIONS, THE ENGINEER SHALL DETERMINE WHICH OF THE SPECIFICATIONS SHALL GOVERN. THE ENGINEER'S DECISION SHALL BE FINAL AND NO ADDITIONAL COMPENSATION SHALL BE AWARDED UNLESS APPROVED BY THE ENGINEER.
- THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY THE OWNER. IMPROVEMENT REPRESENTATIONS AS SHOWN ON THESE PLANS, ARE AS ACCURATE AS POSSIBLE FROM THE INFORMATION AVAILABLE. HOWEVER SOME FIELD REVISIONS MAY BE REQUIRED TO ACCOMMODATE UNFORESEEN CIRCUMSTANCES - THE ENGINEER SHALL BE ADVISED OF ANY NECESSARY REVISIONS WITH SUFFICIENT LEAD TIME ALLOWED TO PROPERLY CONSIDER AND ACT UPON SAID REQUESTS. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED IN CONSTRUCTING THOSE IMPROVEMENTS AS DETAILED IN THIS ENGINEERING PLAN.
- THE ENGINEER SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE OR REJECT THE WORKMANSHIP AND/OR MATERIALS WHICH GO TO MAKE UP IMPROVEMENTS AS DETAILED IN THESE PLANS AND SPECIFICATIONS.
- GENERAL SAFETY PROVISION: TO PROVIDE DRIVERS WITH SAFE TRAVEL CONDITIONS DURING THE CONSTRUCTION PROJECT, AND TO PROVIDE SAFE WORKING CONDITIONS FOR ALL EMPLOYEES, THE RULES, REGULATIONS, AND CONDITIONS STATED BELOW WILL PREVAIL FOR THE DURATION OF THIS CONTRACT. ANY EMPLOYEE OF THE CONTRACTOR OR HIS SUBCONTRACTORS WHO REFUSES TO COMPLY WITH THESE GENERAL SAFETY PROVISIONS SHALL BE REMOVED FROM THE JOB SITE IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS. THE CONTRACTOR AND ANY SUBCONTRACTORS RETAINED BY HIM SHALL COMPLY WITH THE STATE AND FEDERAL REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA), JULY 1, 1987 AS IT RELATES TO CONTRACTOR'S OPERATIONS.
- THE CONTRACTOR SHALL COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. THE CONTRACTOR WILL NOT BE ALLOWED TO BUILD FIRES ON THE SITE.
- THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO THE FULL SIZE PLANS NOT THE REDUCED SIZE PLANS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN DRAINAGE FLOWS AT ALL TIMES DURING THE PERFORMANCE OF THE WORK. METHODS USED BY THE CONTRACTOR SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. COST OF MAINTAINING DRAINAGE FLOWS SHALL BE INCIDENTAL TO THE CONTRACT.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED OR DISTURBED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS, MONUMENTS AND RIGHT-OF-WAY PINS UNTIL THE OWNER, AND AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS. REPLACEMENT OF MONUMENTS WILL BE DETERMINED BY THE ENGINEER.
- THE CONTRACTOR SHALL REMOVE, STORE, AND RELOCATE TO THE SATISFACTION OF THE ENGINEER ALL EXISTING SIGNAGE IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS, AND CONSIDER THIS AS INCIDENTAL TO THE CONTRACT.
- OUTSIDE THE EXISTING RIGHT-OF-WAY, THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATION NEAR ANY AND ALL EXISTING SIGNS OUTSIDE THE RIGHT-OF-WAY. ANY SIGNS REMOVED FOR CONSTRUCTION PURPOSES SHALL BE CAREFULLY REMOVED AND RE-ERECTED BY THE CONTRACTOR AT A LOCATION NEAREST TO THE ORIGINAL LOCATION, OR AT A LOCATION DETERMINED BY THE ENGINEER IN THE FIELD. REMOVAL AND RE-ERECTED SIGNS AND ANY DAMAGE DONE TO EXISTING SIGNS BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL EXPENSE TO THE OWNER.
- ALL ITEMS SHALL INCLUDE ALL THE NECESSARY MATERIALS AND LABOR TO COMPLETE THE ITEM IN PLACE. MATERIALS AND LABOR NOT SPECIFICALLY IDENTIFIED SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- AT THE END OF EACH DAY, THE CONTRACTOR SHALL SECURE THE CONSTRUCTION WORK ZONE FROM POTENTIAL INTRUDERS.
- THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF THE BENCHMARKS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL ALSO FIELD VERIFY LOCATION, ELEVATION AND SIZE OF EXISTING UTILITIES, AND VERIFY PAVEMENT ELEVATIONS 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.
- THE CONTRACTOR SHALL CONTACT THE ENGINEER OF ANY ERRORS OR DISCREPANCIES WHICH MAY BE SUSPECTED IN LINES AND GRADES, AND SHALL NOT PROCEED WITH THE WORK UNTIL ALL LINES AND GRADES WHICH ARE BELIEVED TO BE IN ERROR HAVE BEEN VERIFIED OR CORRECTED BY THE ENGINEER OR HIS REPRESENTATIVE.
- THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCE OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF THEIR WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.
- ALL ITEMS TO BE REMOVED AND NOT DEFINED AS A PAY ITEM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- ALL EXCESS EARTH EXCAVATION, EXCESS MATERIALS, OR OTHER REMOVED ITEMS SHALL BE HAULED OFF-SITE AT THE CONTRACTOR'S EXPENSE, UNLESS OTHERWISE APPROVED BY THE OWNER.
- THIS WORK SHALL BE IN ACCORDANCE WITH SECTION 201 OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL OBSTRUCTIONS, TREES, DEBRIS AND BRUSH AS DESIGNATED BY THE OWNER AND AS INDICATED ON THE PLANS. ALL MATERIALS SHALL BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE. DURING CONSTRUCTION, CARE SHALL BE TAKEN TO MINIMIZE DAMAGE TO THE EXISTING TREES AND LANDSCAPING. ONLY THOSE ITEMS DESIGNATED BY THE OWNER SHALL BE REMOVED.
- ALL ROADWAY REMOVAL ITEMS SHALL CONFORM TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION. ALL JOINTS BETWEEN THE PORTION REMOVED AND THAT LEFT IN PLACE SHALL BE SAWED TO SUCH A DEPTH THAT A CLEAN, NEAT EDGE WILL RESULT WITH NO SPALLING TO THE REMAINING PORTION. THE COST OF SAWING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. ADDITIONAL SAWING OR RE-SAWING MAY BE REQUIRED AS DIRECTED BY THE ENGINEER WITH NO ADDITIONAL COMPENSATION BEING ALLOWED. THE COST OF SAWCUTTING THE EXISTING PAVEMENT SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

**GENERAL NOTES**

- WHEN ARTIFICIAL LIGHTING IS UTILIZED DURING NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC, AS WELL AS ADJOINING RESIDENTIAL AREAS.
- THE CONTRACTOR IS REQUIRED TO STAY WITHIN THE NOTED PROPERTY BOUNDARIES RIGHT-OF-WAY AND EASEMENTS AS SHOWN IN THE PLANS. ANY ADDITIONAL EASEMENTS SHALL BE SECURED BY THE CONTRACTOR AT NO EXTRA COST.
- ANY AREAS DAMAGED OR DISTURBED DURING THE PROJECT AS A DIRECT OR INDIRECT RESULT OF CONTRACTOR OPERATIONS, SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THE ORIGINAL CONDITION. THE COST OF SAID RESTORATION OR REPAIR SHALL BE BORNE TOTALLY BY THE CONTRACTOR, WITH NO EXTRA COMPENSATION BEING AWARDED UNDER THIS CONTRACT. THE RESPONSIBILITY FOR THE REPAIR OR REPLACEMENT OF ANY UTILITY, STRUCTURE, LANDSCAPING, ETC., DAMAGED OR DESTROYED BY THE CONTRACTOR DURING MOBILIZATION OR CONSTRUCTION SHALL BE BORNE SOLELY BY THE CONTRACTOR, WITH NO EXPENSE BEING CHARGED TO THE ENGINEER OR OWNER. PRIOR TO ACCEPTANCE OF THIS REPAIR OR REPLACEMENT, THE CONTRACTOR SHALL PRESENT THE OWNER WITH A "SIGNOFF LETTER", SIGNED BY A RESPONSIBLE OFFICIAL OF THE OWNER OF THE DAMAGED UTILITY STATING THAT THE REPAIR OR REPLACEMENT IS ACCEPTABLE.

**CONSTRUCTION STAKING**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING THE PROPOSED IMPROVEMENTS AND SHALL INCLUDE THE COST OF STAKING IN THEIR QUOTE. CONTROL POINTS ARE INDICATED ON THE PLANS.

**EROSION CONTROL NOTES**

- UNLESS OTHERWISE SPECIFIED, ALL EROSION AND SEDIMENT CONTROL MEASURES AND THEIR MAINTENANCE, CLEARING AND REMOVAL SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
- THIS WORK SHALL CONFORM TO THE APPLICABLE STANDARDS FROM THE URBANA EROSION CONTROL STANDARDS, THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION, CURRENT EDITION, THE PROJECT SPECIFICATIONS, AND THE APPROPRIATE DETAILS.
- A NOTICE OF INTENT (NOI) AND A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) WILL BE COMPLETED AND SUBMITTED TO THE ILLINOIS EPA BY THE OWNER PRIOR TO CONSTRUCTION.
- THE SWPPP SHALL BE CONSIDERED PART OF THE CONTRACT DOCUMENTS AND WILL BE AVAILABLE FOR REVIEW DURING THE BIDDING PROCESS.
- A COPY OF THE SWPPP WILL BE PROVIDED TO THE SUCCESSFUL BIDDER. THE CONTRACTOR SHALL MAINTAIN ONE COPY OF THE SWPPP AT THE CONSTRUCTION SITE AT ALL TIMES DURING WORKING HOURS FROM THE DATE OF PROJECT INITIATION TO THE DATE OF FINAL STABILIZATION.
- THE CONTRACTOR SHALL LEGIBLY MARK ANY CHANGES OR REVISIONS IMPLEMENTED TO THE SWPPP. AT COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL DELIVER THE SWPPP (INCLUDING ALL REVISIONS, RECORDS, AND INSPECTION REPORTS) TO THE OWNER.
- THE GENERAL CONTRACTOR AND ANY SUBCONTRACTOR RESPONSIBLE FOR SEDIMENT AND EROSION CONTROL MEASURES OR CONSTRUCTION ACTIVITIES THAT DISTURB SITE SOIL WILL BE REQUIRED TO CERTIFY THE SWPPP BEFORE A NOTICE TO PROCEED IS ISSUED.
- A COPY OF THE LETTER OF NOTIFICATION OF COVERAGE, AND THE GENERAL NPDES PERMIT NO. ILR10 MUST BE POSTED IN A PROMINENT PLACE FOR PUBLIC VIEWING AT THE CONSTRUCTION SITE BY THE GENERAL CONTRACTOR.
- THE CONTRACTOR SHALL IMPLEMENT THE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THESE EROSION CONTROL PLANS AND IN THE SWPPP BEFORE CONSTRUCTION BEGINS.
- THE CONTROLS SHALL BE INSTALLED AS DETAILED AND WHERE INDICATED ON THE EROSION CONTROL PLAN SHEETS AND AS DIRECTED BY THE INSPECTOR.
- SITE ACTIVITIES SHOULD ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE PRACTICABLE.
- EXCEPT AS PROVIDED IN THE SWPPP, DISTURBED PORTIONS OF THE SITE SHALL BE STABILIZED (TEMPORARILY OR PERMANENTLY SEEDED, MULCHED, SOODED OR PAVED) AS SOON AS PRACTICABLE, BUT IN NO CASE MORE THAN 7 CALENDAR DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
- UNTIL SUCH TIME AS THE PROJECT SITE REACHES FINAL STABILIZATION AND A NOTICE OF TERMINATION IS FILED BY THE OWNER, THE CONTRACTOR SHALL BE RESPONSIBLE TO ADJUST, REPAIR, OR REPLACE, ALL VEGETATION, EROSION CONTROLS, SEDIMENT CONTROLS, AND ANY OTHER PROTECTIVE MEASURES AS REQUIRED IN ORDER TO MAINTAIN THEIR INTENDED FUNCTION IN A GOOD AND EFFECTIVE OPERATING CONDITION.
- EXCEPT FOR FLOWS FROM FIRE FIGHTING ACTIVITIES, SOURCES OF NON-STORM WATER EXPECTED DURING THE CONSTRUCTION PROCESS THAT MAY BE COMBINED WITH STORM WATER DISCHARGES ARE IDENTIFIED IN THE SWPPP. THESE DISCHARGES SHALL BE DIRECTED AWAY FROM UNPROTECTED, BARE, OR OTHERWISE UNSTABILIZED SOIL, AND APPROPRIATE POLLUTION PREVENTION MEASURES SHALL BE IMPLEMENTED SO THAT THESE DISCHARGES DO NOT CAUSE EROSION OR DEGRADE THE QUALITY OF RUNOFF FROM THE CONSTRUCTION SITE.
- REGULAR INSPECTIONS WILL BE MADE AS REQUIRED UNDER THE GENERAL NPDES PERMIT NO. ILR10 AND SPECIFIED IN THE SWPPP. BASED ON THE RESULTS OF THE INSPECTIONS, POLLUTION PREVENTION MEASURES SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER EACH INSPECTION. SUCH REVISIONS SHALL BE IMPLEMENTED WITHIN 7 CALENDAR DAYS FOLLOWING EACH INSPECTION.
- THE INSPECTOR SHALL HAVE AUTHORIZATION TO DETERMINE THE ADEQUACY OF THE CONTRACTOR'S EROSION CONTROL EFFORTS. THE OWNER OR THE INSPECTOR SHALL HAVE FULL AUTHORITY OVER THE GENERAL CONTRACTOR AND ANY SUBCONTRACTOR TO CAUSE POLLUTANT CONTROL MEASURES TO BE REPAIRED, MODIFIED, MAINTAINED, SUPPLEMENTED, OR WHATEVER ELSE IS NECESSARY IN ORDER TO ACHIEVE EFFECTIVE POLLUTANT CONTROL OR TO SUSPEND OR LIMIT THE CONTRACTOR'S OPERATIONS PENDING ADEQUATE PERFORMANCE.
- PERIMETER EROSION BARRIER TO BE CONSTRUCTED OF SILT FENCE UNLESS NOTED OTHERWISE.
- INLET PROTECTION SHALL BE PER URBANA EROSION CONTROL STANDARDS.
- EROSION CONTROL BLANKET SHALL BE OF NORTH AMERICAN GREEN DS75 OR APPROVED EQUAL.
- A TEMPORARY CONCRETE WASHOUT FACILITY SHALL BE CONSTRUCTED AT A LOCATION APPROVED BY THE ENGINEER. WASHOUT FACILITY SHALL BE UTILIZED FOR ALL APPLICABLE OPERATIONS.

**EROSION CONTROL NOTES**

- STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED, TO THE DIMENSIONS AS SHOWN, AT APPROVED LOCATIONS FOR THIS PROJECT. ALL CONSTRUCTION TRAFFIC MUST UTILIZE THE STABILIZED CONSTRUCTION ENTRANCES WHEN EXITING THE SITE. ALL COST FOR EROSION CONTROL AND RESTORATION WORK ASSOCIATED WITH THE APPROVED STABILIZED CONSTRUCTION ENTRANCES SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- TEMPORARY EROSION CONTROL MEASURES INCLUDE TEMPORARY DITCH CHECKS, PERIMETER EROSION BARRIER, INLET AND PIPE PROTECTION, TEMPORARY SEEDING, AND ANY OTHER TEMPORARY EROSION CONTROL MEASURE NEEDED TO LIMIT THE AMOUNT OF SOIL EROSION AND SEDIMENTATION DURING CONSTRUCTION.
- AT THE COMPLETION OF THE PROJECT, ALL TEMPORARY EROSION CONTROL ITEMS SHALL BE REMOVED FROM THE SITE, AND BECOME THE PROPERTY OF THE CONTRACTOR. CONTRACTOR MUST STABILIZE ANY AREA DISTURBED BY THE REMOVAL OF EROSION CONTROL ITEMS.
- CONTRACTOR SHALL CLEAN ANY DEBRIS TRACKED OFFSITE DAILY.

**SEEDING OF DISTURBED AREAS**

- THE FINAL TOP 6" INCHES OF SOIL IN ANY DISTURBANCE AREA MUST BE A COHESIVE SOIL CAPABLE OF SUPPORTING VEGETATION.
- FERTILIZER HAVING AN ANALYSIS OF 10-10-10 SHALL BE APPLIED AT A RATE OF 90 LBS/ACRE TO ALL DISTURBED AREAS AND INCORPORATED INTO THE SEEDBED PRIOR TO SOWING THE SEED.
- THE CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS ADJACENT TO IMPROVEMENTS WITH SEEDING (SEE PLANS) AND MULCH, IDOT METHOD 3 IN ACCORDANCE WITH IDOT STANDARD SPECIFICATION OR AS APPROVED BY THE ENGINEER.
- GUARANTEE: ALL SEEDED AREAS SHALL BE MAINTAINED AND MOWED FOR AT LEAST 30 DAYS AFTER GERMINATION. SCATTERED BARE SPOTS NO LARGER THAN TWO SQUARE FOOT WILL BE ALLOWED UP TO A MAXIMUM OF 5% OF ANY SEEDED AREA INCLUDING 30-DAY MAINTENANCE, MOWING AND WATERING AS NECESSARY.
- THIS WORK SHALL CONFORM TO THE APPLICABLE STANDARDS FROM THE ILLINOIS URBAN MANUAL, THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION SECTIONS, CURRENT EDITION, THE PROJECT SPECIFICATIONS, AND THE APPROPRIATE DETAILS.
- RESTORATION - THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED DURING CONSTRUCTION OF THE IMPROVEMENTS AND RELATED APPURTENANCES OR AS PART OF ANY OF THEIR ACTIVITIES TO A CONDITION EQUAL TO OR BETTER THAN THE ORIGINAL CONDITION.

**MATERIAL AND COMPACTION TESTING**

- A GEOTECHNICAL REPRESENTATIVE WILL BE PROVIDED AND PAID FOR BY THE OWNER FOR ANY REQUIRED TESTING. THE CONTRACTOR IS RESPONSIBLE TO FOLLOW AND MEET GUIDELINES SET BY THE GEOTECHNICAL REPRESENTATIVE.

**UTILITIES**

- UTILITIES SHOWN ON THE PLANS ARE FOR ILLUSTRATIVE PURPOSES ONLY AND NO GUARANTEE OF THEIR ACCURACY IS MADE OR INFERRED. THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THE DRAWINGS REPRESENT DATA RECEIVED FROM VARIOUS SOURCES. IT IS NOT GUARANTEED TO BE CORRECT OR ALL-INCLUSIVE. THE CONTRACTOR SHALL CONDUCT HIS OWN INVESTIGATION INTO THE LOCATION, SIZE, DEPTH AND NATURE OF ANY AND ALL EXISTING UTILITIES THAT MAY INTERFERE WITH THE WORK UNDER THIS CONTRACT. ANY EXISTING UTILITIES THAT ARE TO REMAIN IN SERVICE SHALL BE FULLY PROTECTED BY THE CONTRACTOR AND ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ANY AND ALL UTILITY COMPANIES REGARDING ADJUSTMENTS NECESSARY. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE AND CONSIDERED INCIDENTAL TO THE PROJECT COST. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND, OVERHEAD, OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER OR THE OWNER OR REPLACED. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR MUST VERIFY AND LOCATE ALL EXISTING UTILITIES ON OR ADJACENT TO THE SITE. PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES, CONTACT J.U.L.I.E. AT 1-800-892-0123 (OR 811) FOR EXACT FIELD LOCATION OF UTILITIES. DAMAGE, AND THE COST THEREOF, TO ANY AND ALL UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ANY AND ALL EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE. THE ENGINEER AND SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF THE EXISTING UTILITIES SHOWN HEREON.
- IF THERE ARE ANY UTILITIES WHICH ARE NOT MEMBERS OF THE J.U.L.I.E. SYSTEM, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THIS AND REQUESTING SAID UTILITIES TO FIELD VERIFY AND MARK PERTINENT UTILITY LOCATIONS.
- THE UTILITY LOCATIONS, DEPTHS, ETC. SHOWN ON THESE PLANS ARE APPROXIMATE ONLY, AND SHALL BE VERIFIED BY THE CONTRACTOR WITH ALL AFFECTED UTILITY COMPANIES PRIOR TO INITIATING CONSTRUCTION OPERATIONS; THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY FOR THE ADEQUACY, SUFFICIENCY OR EXACTNESS OF THESE UTILITY REPRESENTATIONS.
- THE CONTRACTOR SHALL CONTACT THE NECESSARY UTILITY COMPANIES FOR ANY UTILITY RELOCATIONS. THE CONTRACTOR SHALL PAY FOR ALL COSTS ASSOCIATED WITH RELOCATION OF UTILITIES ON OR ADJACENT TO THE SUBJECT PROPERTY OR WITHIN THE ROAD RIGHT-OF-WAY.
- TRENCH BACKFILL SHALL BE FILL MATERIAL TYPE A (GRAVEL OR C&B CRUSHED STONE.) OR TYPE C (SAND FA-1 OR SAND FA-2) IN ACCORDANCE WITH AASHTO T27 GUIDELINES AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR WATER & SEWER CONSTRUCTION IN ILLINOIS", CURRENT EDITION. COST SHALL BE INCLUDED IN UNIT PRICE OF PIPE.
- TRENCH BACKFILL SHALL BE USED IN LOCATIONS WHERE THERE IS AN EXISTING OR PROPOSED PERMANENT SURFACE.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION OR HAVE THE POTENTIAL FOR CREATING FUTURE PROBLEMS SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE PROJECT AT AN APPROVED LOCATION OBTAINED BY THE CONTRACTOR, ACCORDING TO THE "STANDARD SPECIFICATIONS FOR WATER & SEWER CONSTRUCTION IN ILLINOIS", CURRENT EDITION, AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ANY AND ALL FIELD TILES AND OR STORM SEWERS DAMAGED OR ENCOUNTERED DURING THE CONSTRUCTION ACTIVITIES SHALL BE REPAIRED, REPLACED AND/OR CONNECTED IMMEDIATELY BY THE CONTRACTOR. COST FOR SAID REPAIRS, REPLACEMENT, AND/OR CONNECTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.



ILLINOIS  
IOWA  
WISCONSIN

OWNER/DEVELOPER:  
URBANA PARK DISTRICT  
1011 KERR AVENUE  
URBANA, ILLINOIS 61802

PROJECT AND LOCATION:  
URBANA PARK DISTRICT  
CRYSTAL LAKE SHARED USE PATH  
URBANA, ILLINOIS

CONTRACT NO. 91576

DRAWN BY: RLT  
APPROVED BY: WRW  
DATE: 7/6/18

| REVISIONS |                                |        |
|-----------|--------------------------------|--------|
| REV. NO.  | DESCRIPTION                    | DATE   |
| 1         | FOR EDIT/CITY OF URBANA REVIEW | 6/6/18 |
|           |                                |        |
|           |                                |        |

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GENERAL NOTES

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17-641

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**TRAFFIC CONTROL**

1. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN ALL TRAFFIC CONTROL ITEMS NECESSARY FOR THE CONSTRUCTION OF ITEMS WITH IN THE ROAD RIGHT-OF-WAY. ALL WORK PERFORMED SHALL HAVE TRAFFIC CONTROL IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION.
2. ALL TRAFFIC CONTROL DEVICES USED FOR THE MAINTENANCE OF TRAFFIC SHALL BE REFLECTORIZED PRIOR TO INSTALLATION AND CLEANED AS NECESSARY THROUGHOUT THE DURATION OF THE CONTRACT. ALL SIGNS SHALL BE FURNISHED, INSTALLED AND MAINTAINED BY THE CONTRACTOR. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
3. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN CONDITIONS MAY REQUIRE THE ENGINEER TO MODIFY THE LOCATION OF THE TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL RESPOND WITHIN 30 MINUTES FROM THE TIME OF NOTIFICATION BY THE ENGINEER TO ANY REQUEST MADE BY THE ENGINEER FOR CORRECTION, IMPROVEMENT OR MODIFICATION OF THE MAINTENANCE OF TRAFFIC CONTROL DEVICES. DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ADJACENT TRAFFIC LANES OPEN TO TRAFFIC FROM DEBRIS BEING BLOWN OR OTHERWISE REMOVED FROM THE CONSTRUCTION AREAS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR KEEPING DEBRIS OFF THE ADJACENT TRAVELED LANE SURFACE. COST INCIDENTAL TO THE PROJECT.
4. THE CONTRACTOR SHALL SUBMIT MAINTENANCE OF TRAFFIC AND STAGING OF CONSTRUCTION PLANS FOR APPROVAL BY THE ENGINEER PRIOR TO COMMENCING WORK.
5. THE CONTRACTOR SHALL PERFORM THE WORK UNDER STAGE CONSTRUCTION IN THE EVENT THAT THE CONTRACTOR WILL NEED TO CLOSE PUBLIC ROADS, CONTRACTOR SHALL SUBMIT PROPOSED DETOUR ROUTE AND ASSOCIATED SIGNAGE TO THE ENGINEER PRIOR TO COMMENCING WORK.
6. TRAFFIC CONTROL DEVICES, STREET NAME SIGNS, AND PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF URBANA ORDINANCES AND THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". LOCATIONS OF SIGNS AND MARKINGS SHALL BE SPECIFIED BY THE PLANS, AND/OR AS DIRECTED BY THE ENGINEER.
7. PROVIDE TO THE ENGINEER AND THE OWNER THE NAME AND PHONE NUMBER OF INDIVIDUALS RESPONSIBLE FOR MAINTAINING TRAFFIC CONTROL MEASURES DURING CONSTRUCTION. THIS INDIVIDUAL SHALL BE AVAILABLE TO CORRECT TRAFFIC CONTROL PROBLEMS 24 HOURS PER DAY.
8. THE CONTRACTOR SHALL NOTIFY THE POST OFFICE, POLICE DEPARTMENT, FIRE DEPARTMENT, 911 DISPATCH CENTER, ILLINOIS DEPARTMENT OF TRANSPORTATION, STATE POLICE, APPROPRIATE SCHOOL DISTRICT AND THE LOCAL AGENCY A MINIMUM OF 5 DAYS PRIOR TO CLOSING ANY PORTION OF THE STREET OR ALLEY.

**SUBGRADES, SUBBASES, AND BASE COURSES**

1. THE CONTRACTOR WILL BE REQUIRED TO SUBSTANTIATE BASE COURSE THICKNESSES AND FINISH PAVEMENT THICKNESSES. THE ENGINEER SHALL INSPECT BASE COURSE COREOUT PRIOR TO PLACING BASE COURSE TO ENSURE REQUIRED BASE COURSE DEPTH IS PRESENT. IN ADDITION, THE ENGINEER AND/OR THE CITY ENGINEER SHALL WITNESS THE PLACEMENT OF BITUMINOUS BINDER AND SURFACE COURSE. CORE DRILLING MAY BE REQUIRED TO DEMONSTRATE THAT BASE COURSE AND PAVEMENT THICKNESSES CONFORM TO THE SPECIFICATIONS. PRIOR TO PLACING BASE COURSE MATERIAL, THE CONTRACTOR SHALL TEST ROLL THE SUBGRADE, IN THE PRESENCE OF THE ENGINEER OR HIS AGENT TO DEMONSTRATE THAT SAID SUBGRADE IS READY FOR BASE. PRIOR TO PLACEMENT OF THE BITUMINOUS SURFACE, THE SAME VERIFICATION PROCEDURE SHALL BE PERFORMED ON THE BASE COURSE MATERIAL. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO PERFORMING ANY OF THE REQUIRED TESTS SO THAT A REPRESENTATIVE MAY BE PRESENT.
2. PRIOR TO ANY EMBANKMENT OR ROAD BASE BEING PLACED, SHOULD IT BE DETERMINED BY THE ENGINEER THAT THE SUBGRADE MATERIAL IS UNSUITABLE ON WHICH TO CONSTRUCT THE ROADWAY STRUCTURE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING THE UNSUITABLE MATERIAL TO THE SATISFACTION OF THE ENGINEER AND REPLACING SAME WITH STABILIZING SUBBASE CONSISTING OF SUBBASE GRANULAR MATERIAL, TYPE B IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION. TO HELP MINIMIZE THE AMOUNT OF SUBBASE MATERIAL INSTALLED FOR GROUND STABILIZATION, GEOTECHNICAL FABRIC MAY BE INSTALLED AS APPROVED BY THE ENGINEER. FABRIC SHALL BE INSTALLED IN ACCORDANCE WITH ARTICLE 210 OF THE IDOT STANDARD SPECIFICATIONS. THE COARSE AGGREGATE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR SUBBASE GRANULAR MATERIAL, TYPE B. THE EXCAVATION AND DISPOSAL OF THE UNSUITABLE MATERIAL SHALL BE CONSIDERED INCIDENTAL TO SUBBASE GRANULAR MATERIAL, TYPE B. STABILIZING FABRIC SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.

**EXCAVATION/EARTHWORK**

1. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATION NEAR ANY AND ALL EXISTING ITEMS WHICH ARE NOT INDICATED TO BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT NO ADDITIONAL EXPENSE TO THE OWNER.
2. PRIOR TO STARTING EARTHWORK OR UTILITY TRENCHING, THE CONTRACTOR SHALL STRIP THE SITE OF TOPSOIL TO A DEPTH OF 12" AND TO THE LIMITS APPROVED BY THE ENGINEER. THIS MATERIAL SHALL BE STOCKPILED IN A REMOTE LOCATION OF THE SITE (APPROVED BY THE ENGINEER) UNTIL THE PLAN IMPROVEMENTS ARE COMPLETED AND THE EXCESS MATERIAL SPREAD AS DIRECTED. IT SHALL THEN BE THE RESPONSIBILITY OF THE CONTRACTOR TO SPREAD THIS TOPSOIL MATERIAL IN AREAS OF THE SITE, OVER AREAS WHERE EXCESS EXCAVATED MATERIAL, SAND, GRAVEL HAS BEEN SPREAD OR IN OTHER AREAS AS DESIGNATED BY THE ENGINEER. THE MATERIAL SHALL THEN BE COMPACTED TO A MINIMAL DEPTH OF 6" AND FINE GRADED IN A MANNER ACCEPTABLE TO THE ENGINEER. THIS WORK SHALL BE IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION.
3. CLEAN CONSTRUCTION OR DEMOLITION DEBRIS (CCDD) REQUIREMENTS--THE CONTRACTOR IS RESPONSIBLE FOR THE ASSESSMENT AND PROPER DISPOSAL OF ALL EXCESS SOIL AND SUBSURFACE MATERIALS THAT ARE NOT ABLE TO BE RE-USED ON THE PROJECT SITE AS SUITABLE CLEAN FILL. CONTRACTOR RESPONSIBILITY'S SHALL INCLUDE ALL REQUIRED SOIL SAMPLING, LABORATORY ANALYSIS, DISPOSAL PROFILING FEES, TRANSPORTATION, AND DISPOSAL TIPPING FEES AND SURCHARGES.
4. ALL EXCAVATIONS FOR STRUCTURES AND PIPE SHALL BE KEPT DEWATERED DURING CONSTRUCTION UNTIL BACKFILL IS IN PLACE. DURING DEWATERING OPERATIONS, WATER SHALL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. (COST INCIDENTAL)
5. EARTH EXCAVATION SHALL CONFORM TO SECTION 202 OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION. THIS WORK SHALL INCLUDE THE EXCAVATION OF ALL MATERIALS TO DESIGN SUBGRADE ELEVATIONS INDICATED IN THE PLANS.

**EXCAVATION/EARTHWORK**

6. A SOIL REPORT CAN BE PROVIDED IN AN ELECTRONIC FORMAT TO THE CONTRACTOR UPON REQUEST FROM THE OWNER.
7. SHEETING AND SHORING SHALL BE CONSIDERED INCIDENTAL TO CONTRACT IF REQUIRED.
8. WHENEVER THE CONTRACTOR WORKS NEAR EXISTING FACILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS DURING TRENCHING OPERATIONS, HE WILL BE REQUIRED TO HAND TRENCH IN THAT AREA IN ORDER NOT TO DAMAGE THESE FACILITIES. PUSH HOLES AND SEARCH HOLES THAT ARE DUG BY THE CONTRACTOR SHALL BE BACKFILLED BY TAMPING THE EXCAVATED MATERIAL BACK IN PLACE TO KEEP SETTLEMENT TO A MINIMUM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
9. EMBANKMENT WORK SHALL CONSIST OF THE CONSTRUCTION OF EMBANKMENTS BY DEPOSITING, PLACING AND COMPACTING EARTH, STONE, GRAVEL OR OTHER MATERIALS OF ACCEPTABLE QUALITY ABOVE THE NATURAL GROUND OR OTHER SURFACE IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION.
10. IN PROPOSED FILL AREAS FOR PAVEMENT AND EMBANKMENT, TOPSOIL AND TURF SHALL BE SCARIFIED AND REMOVED PRIOR TO CONSTRUCTING THE EMBANKMENT.

| EXISTING STORM SEWER STRUCTURES |          |                      |                      |                      |                     |                |                                 |
|---------------------------------|----------|----------------------|----------------------|----------------------|---------------------|----------------|---------------------------------|
| SW STR #                        | RM ELEV. | INV. OUT             | INV. IN              | INV. IN              | INV. IN             | INV. IN        | COMMENTS                        |
| 2089                            | 721.55   | 717.85 SE (12" RCCP) | 717.80 W (12" RCCP)  | -                    | -                   | -              | -                               |
| 2119                            | 721.35   | 715.45 E (12" RCCP)  | 716.44 NW (12" RCCP) | 715.45 S (12" RCCP)  | -                   | -              | -                               |
| 2184                            | 721.61   | 718.20 E (12" RCCP)  | -                    | -                    | -                   | -              | -                               |
| 2301                            | 723.54   | 721.26 N (12" RCCP)  | 721.42 W (12" HDPE)  | -                    | -                   | -              | -                               |
| 2342                            | 721.75   | 718.21 E (10" VCP)   | 719.24 N (10" PVC)   | 718.21 W (10" PVC)   | 719.24 S (12" RCCP) | -              | -                               |
| 2379                            | 721.50   | 718.92 N (12" RCCP)  | -                    | -                    | -                   | -              | -                               |
| 2493                            | 717.91   | 709.92 E (15" RCCP)  | 709.98 W (15" RCCP)  | -                    | -                   | -              | -                               |
| 2596                            | 716.34   | 712.62 E (10" VCP)   | 712.68 N (10" VCP)   | 713.39 SW (10" VCP)  | -                   | -              | -                               |
| 2684                            | 715.95   | 708.37 E (18" RCCP)  | 712.41 S (10" HDPE)  | 708.37 W (18" RCCP)  | -                   | -              | -                               |
| 2715                            | 715.70   | 713.46 NW (10" RCCP) | -                    | -                    | -                   | -              | -                               |
| 2735                            | 715.14   | 711.61 S (10" RCCP)  | -                    | -                    | -                   | -              | -                               |
| 2766                            | 714.58   | 709.23 SW (10" RCCP) | 709.28 N (10" RCCP)  | -                    | -                   | -              | -                               |
| 2789                            | 712.73   | 709.17 E (15" VCP)   | 709.41 SW (10" VCP)  | 708.97 W (15" VCP)   | -                   | -              | -                               |
| 2809                            | 715.94   | 712.37 E (10" VCP)   | 712.37 W (10" VCP)   | -                    | -                   | -              | -                               |
| 2820                            | 716.24   | 707.71 E (18" RCCP)  | N/A SE (10" RCCP)    | 707.71 W (18" RCCP)  | -                   | -              | -                               |
| 2957                            | 709.24   | 705.84 E (18" RCCP)  | 705.84 W (15" RCCP)  | -                    | -                   | -              | FULL OF DEBRIS                  |
| 3012                            | 715.00   | 713.68 SE (10" VCP)  | 713.74 SW (6" PVC)   | -                    | -                   | -              | -                               |
| 3052                            | 714.90   | 711.75 N (10" VCP)   | 711.75 W (10" VCP)   | PLUGGED SE (12" PVC) | -                   | -              | -                               |
| 3060                            | 714.28   | 711.81 NW (10" RCCP) | -                    | -                    | -                   | -              | -                               |
| 3104                            | 713.80   | 703.86 E (18" RCCP)  | 703.86 W (18" RCCP)  | N/A N (10" RCCP)     | N/A SE (10" RCCP)   | N/A S (10" CP) | UNABLE TO MEASURE               |
| 3105                            | 712.72   | 708.42 N (6" VCP)    | 708.42 SE (6" VCP)   | -                    | -                   | -              | -                               |
| 3210                            | 711.50   | 702.80 NE (18" RCCP) | 702.80 W (18" RCCP)  | -                    | -                   | -              | -                               |
| 3251                            | 710.53   | 707.13 E (10" VCP)   | 707.13 W (10" VCP)   | 707.73 N (8" VCP)    | -                   | -              | -                               |
| 3298                            | 710.21   | 707.59 S (8" PVC)    | -                    | -                    | -                   | -              | -                               |
| 3346                            | 710.41   | 707.75 S (8" VCP)    | 707.99 NW (8" VCP)   | -                    | -                   | -              | 8" VCP FULL OF DEBRIS           |
| 3361                            | 708.78   | 701.22 NE (18" RCCP) | -                    | -                    | -                   | -              | -                               |
| 3362                            | 709.42   | 698.54 (BOTTOM)      | -                    | -                    | -                   | -              | -                               |
| 3396                            | 708.80   | 702.56 (BOTTOM)      | -                    | -                    | -                   | -              | -                               |
| 3402                            | 708.87   | 700.72 NE (18" RCP)  | 700.72 SW (18" RCCP) | -                    | -                   | -              | 2' DIA. STRUCTURE OVER 18" RCCP |
| 3453                            | 709.16   | 697.33 (BOTTOM)      | -                    | -                    | -                   | -              | -                               |
| 3454                            | 709.58   | 700.69 (BOTTOM)      | 701.65 W (18" RCCP)  | -                    | -                   | -              | -                               |
| 3455                            | 709.00   | 702.00 E (18" RCCP)  | 702.71 W (18" RCCP)  | -                    | -                   | -              | -                               |
| 3466                            | 712.89   | 709.74 NE (6" VCP)   | 709.74 SE (6" VCP)   | -                    | -                   | -              | -                               |
| 3753                            | 705.64   | 701.76 SE (12" RCCP) | -                    | -                    | -                   | -              | -                               |
| 3875                            | 705.77   | 702.97 E (12" RCCP)  | 702.87 NW (12" RCCP) | -                    | -                   | -              | -                               |
| 4145                            | 703.66   | 696.86 (BOTTOM)      | -                    | -                    | -                   | -              | STANDING WATER, INVERTS N/A     |
| 4170                            | 703.77   | 699.25 W (8" VCP)    | -                    | -                    | -                   | -              | -                               |
| 4225                            | 703.56   | 701.98 NE (10" PVC)  | -                    | -                    | -                   | -              | -                               |
| 4253                            | 703.10   | 696.16 NW (12" RCCP) | 699.88 SW (10" VCP)  | 697.20 E (12" RCCP)  | -                   | -              | FULL OF DEBRIS                  |
| 4279                            | 703.00   | -                    | -                    | -                    | -                   | -              | -                               |
| 4346                            | 709.51   | 698.23 NE (54" RCCP) | 698.23 SW (54" RCCP) | -                    | -                   | -              | -                               |
| 4347                            | 715.03   | 709.98 E (15" RCCP)  | 709.98 W (15" RCCP)  | -                    | -                   | -              | -                               |
| 4444                            | 714.92   | 711.18 E (12" VCP)   | 711.20 W (12" VCP)   | 711.18 NE (10" RCCP) | -                   | -              | -                               |
| 4822                            | 705.33   | 705.33 NE (18" PVC)  | -                    | -                    | -                   | -              | -                               |
| 4845                            | 721.41   | 717.39 N (12" RCCP)  | 717.97 NW (10" RCCP) | 717.96 W (10" VCP)   | 717.73 S (12" RCCP) | -              | -                               |
| 4846                            | 721.39   | 718.05 SE (12" RCCP) | -                    | -                    | -                   | -              | -                               |
| 4847                            | 721.60   | 715.80 W (12" RCCP)  | 715.84 N (12" RCCP)  | 716.25 S (12" RCCP)  | -                   | -              | -                               |

| EXISTING SANITARY STRUCTURES (SAN STR) |          |          |         |
|--|----------|----------|---------|
| SAN STR #                              | RM ELEV. | INV. OUT | INV. IN |
| 3350                                   | 710.40   | N/A E    | N/A S   |
| 3748                                   | 706.60   | N/A N    | N/A W   |
| 3772                                   | 708.39   | N/A E    | N/A W   |



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DRAWN BY: RLT  
APPROVED BY: WRW  
DATE: 7/6/18

| REVISIONS |                                |        |
|-----------|--------------------------------|--------|
| REV. NO.  | DESCRIPTION                    | DATE   |
| 1         | PER IDOT/CITY OF URBANA REVIEW | 8/6/18 |

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GENERAL NOTES

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### ABBREVIATIONS

|          |   |
|----------|---|
| <        | ANGLE                                       |
| ABC      | AGGREGATE BASE COURSE                       |
| AC       | ACRE(S)                                     |
| ACI      | AMERICAN CONCRETE INSTITUTE                 |
| AGR      | AGGREGATE                                   |
| AISC     | AMERICAN INSTITUTE OF STEEL CONSTRUCTION    |
| ALT      | ALTERNATE                                   |
| ARCH     | ARCHITECT                                   |
| ASPH     | ASPHALT                                     |
| ASTM     | AMERICAN SOCIETY OF TESTING AND MATERIALS   |
| B        | BALL VALVE                                  |
| BFP      | BACKFLOW PREVENTER                          |
| BT       | BITUMINOUS                                  |
| BLDG     | BUILDING                                    |
| BLK      | BLOCKING                                    |
| BM       | BENCHMARK                                   |
| BOT      | BOTTOM                                      |
| BSMT     | BASEMENT                                    |
| BV       | BUTTERFLY VALVE                             |
| B-B      | BACK-TO-BACK OF CURB DIMENSION              |
| CL or E  | CENTERLINE                                  |
| C TO C   | CENTER TO CENTER                            |
| C & G    | CURB AND GUTTER                             |
| CF       | CUBIC FEET                                  |
| CHD      | CHORD LENGTH                                |
| CI       | CAST IRON PIPE                              |
| CHK      | CHECK VALVE                                 |
| CLR      | CLEAR                                       |
| CMP      | CORRUGATED METAL PIPE                       |
| CMU      | CONCRETE MASONRY UNIT                       |
| CTY      | COUNTY                                      |
| CONC     | CONCRETE                                    |
| CONT     | CONTINUOUS                                  |
| C-B      | CENTERLINE TO BACK OF CURB DIMENSION        |
| COORD    | COORDINATE                                  |
| CU       | COPPER PIPING                               |
| CTRS     | CENTERS                                     |
| CY       | CUBIC YARDS                                 |
| CS       | CORPORATION STOP                            |
| D        | DEGREE OF CURVE                             |
| DEP      | DEPRESSED                                   |
| DET      | DETAIL                                      |
| DIAG     | DIAGONAL                                    |
| DI       | DIMENSION                                   |
| DI       | DUCTILE IRON PIPE                           |
| DN       | DOWN  |
| DNSTR    | DOWNSTREAM                                  |
| DP       | DRAINAGE PIPE/STORM PIPE                    |
| DWG      | DRAWING                                     |
| E        | EAST  |
| EJ       | EXPANSION JOINT                             |
| EL       | ELEVATION                                   |
| EP       | EDGE OF PAVEMENT                            |
| EQUIP    | EQUIPMENT                                   |
| EQUIV    | EQUIVALENT                                  |
| EW       | EACH WAY                                    |
| EXP      | EXPANSION                                   |
| EX       | EXISTING                                    |
| EXT      | EXTERIOR                                    |
| E -      | EXTERNAL DISTANCE                           |
| FD       | FLOOR DRAIN                                 |
| FDN      | FOUNDATION                                  |
| FE       | FIELD ENTRANCE                              |
| FF       | FINISH FLOOR                                |
| FIL      | FILLET                                      |
| FIN      | FINISH                                      |
| FL       | FLOW LINE                                   |
| FLR      | FLOOR                                       |
| FM       | FORCE MAIN                                  |
| FND      | FOUND                                       |
| FRMG     | FRAMING                                     |
| FTC      | FOOTING                                     |
| F-F      | FACE TO FACE                                |
| GA       | GAUGE                                       |
| GI       | GALVANIZED IRON PIPE                        |
| GRD      | GRADE                                       |
| GRS      | GRATING SUPPORT                             |
| GRT      | GROUT                                       |
| GV       | GAS VALVE                                   |
| GYP      | GYP-SUM                                     |
| HSE      | HOUSE                                       |
| HC       | HORIZONTAL CURVE                            |
| HMA      | HOT MIX ASPHALT                             |
| HNGR     | HANGER                                      |
| HORIZ    | HORIZONTAL                                  |
| H.P.     | HIGH POINT                                  |
| HW       | HOT WATER                                   |
| HHW      | HOT WATER HEATER                            |
| A        | CENTRAL ANGLE                               |
| I        | MOMENT OF INERTIA                           |
| ID       | INSIDE DIAMETER                             |
| INT      | INTERIOR                                    |
| INV      | INVERT ELEVATION; BASED ON BENCH MARK DATUM |
| IP       | IRON PIPE                                   |
| JST      | JOIST                                       |
| L        | LENGTH OF CURVE                             |
| LAT      | LATERAL                                     |
| LAV      | LAVATORY                                    |
| LF       | LINEAL FEET                                 |
| L.P.     | LOW POINT                                   |
| LT       | LEFT OF SURVEY BASE LINE                    |
| MAX      | MAXIMUM                                     |
| ME       | MATCH EXISTING                              |
| MIN      | MINIMUM                                     |
| NJ       | MECHANICAL JOINT                            |
| N        | NORTH                                       |
| No. or # | NUMBER                                      |
| NOM      | NOMINAL                                     |
| NTS      | NOT TO SCALE                                |
| OC       | ON CENTER                                   |
| OD       | OUTSIDE DIAMETER                            |
| OO       | OUTSIDE TO OUTSIDE                          |
| OPNG     | OPENING                                     |
| OPP      | OPPOSITE                                    |
| PC       | POINT OF CURVATURE                          |
| PCC      | PORTLAND CEMENT CONCRETE                    |
| PCF      | POUNDS PER CUBIC FOOT                       |
| PDP      | PERFORATED DRAIN PIPE                       |

|                        |  |
|------------------------|--|
| PE                     | POLYETHYLENE PIPE                              |
| PI                     | POINT OF INTERSECTION                          |
| PL                     | PLATE  |
| PLG                    | PLUG VALVE                                     |
| PLP                    | POLYPROPYLENE PIPE                             |
| PLYWD                  | PLYWOOD  |
| PM                     | PRINCIPAL MERIDIAN                             |
| PR                     | PRESSURE REGULATORS                            |
| PRC                    | POINT OF REVERSE CURVATURE                     |
| PRESS                  | PRESSURE                                       |
| PR, PROP               | PROPOSED                                       |
| PRV                    | PRESSURE REDUCING VALVE                        |
| PSF                    | POUNDS PER SQUARE FOOT                         |
| PSI                    | POUNDS PER SQUARE INCH                         |
| PSL                    | PIPE SLEEVE                                    |
| PT                     | POINT OF TANGENCY                              |
| PLG                    | PLUG VALVE                                     |
| PVC                    | POLYVINYL CHLORIDE (PLASTIC) PIPE              |
| R                      | RADIUS   |
| RDCR                   | REDUCER  |
| RCCP                   | REINFORCED CONCRETE CYLINDER PIPE              |
| RCP                    | REINFORCED CONCRETE PIPE                       |
| RD                     | ROOF DRAIN                                     |
| REINF                  | REINFORCING                                    |
| REQD                   | REQUIRED                                       |
| ROW                    | RIGHT OF WAY                                   |
| RFTTR                  | RAFTER   |
| RND                    | ROUND  |
| RR                     | RAILROAD                                       |
| RSP                    | RAILROAD SPIKE                                 |
| RT                     | RIGHT  |
| R&R                    | REMOVE AND REPLACE                             |
| S                      | SOUTH  |
| SB                     | STREAM BED                                     |
| SCHED                  | SCHEDULE                                       |
| SEC                    | SECTION  |
| SF                     | SQUARE FEET                                    |
| SHR                    | SHOWER   |
| SHT                    | SHEET  |
| SHTG                   | SHEATHING                                      |
| SP                     | SANITARY PIPE                                  |
| SPA                    | SPACING OR SPACES                              |
| SPEC                   | SPECIFICATION                                  |
| SQ                     | SQUARE   |
| SS                     | SANITARY SERVICE                               |
| STA                    | STATION  |
| STD                    | STANDARD                                       |
| STL                    | STEEL  |
| STRUCT                 | STRUCTURAL                                     |
| SW                     | SIDEWALK                                       |
| SY                     | SQUARE YARDS                                   |
| SYM                    | SYMMETRICAL                                    |
| TAN                    | TANGENT LENGTH                                 |
| TBC                    | TOP BACK OF CURB                               |
| TEMP                   | TEMPORARY BENCH MARK; BASED ON BENCHMARK DATUM |
| TDM                    | TILE DRAIN                                     |
| THK                    | THICK  |
| TR                     | TREAD  |
| TY                     | TYPE   |
| TYP                    | TYPICAL  |
| UNLESS OTHERWISE NOTED |  |
| UP                     | UTILITY POLE                                   |
| UPSTR                  | UPSTREAM                                       |
| UR                     | URINAL   |
| USGS                   | US GEOLOGICAL SURVEY                           |
| VC                     | VERTICAL CURVE                                 |
| VCP                    | VITRIFIED CLAY PIPE                            |
| VERT                   | VERTICAL                                       |
| VOL                    | VOLUME   |
| VPC                    | VERTICAL POINT OF CURVATURE                    |
| VPI                    | VERTICAL POINT OF INTERSECTION                 |
| VPRC                   | VERTICAL POINT OF REVERSE CURVATURE            |
| VPT                    | VERTICAL POINT OF TANGENCY                     |
| W                      | WEST   |
| WC                     | WATER CLOSET                                   |
| WF                     | WIDE FLANGE                                    |
| WM                     | WATER MAIN                                     |
| WMQ                    | WATER MAIN QUALITY                             |
| WV                     | WATER VALVE                                    |
| WCT                    | WEIGHT   |
| WP                     | WEATHER PROOF                                  |
| WS                     | WATER SERVICE                                  |
| WWF                    | WELDED WIRE FABRIC                             |
| W                      | WITH   |
| W/O                    | WITHOUT  |
| XP                     | EXPLOSION PROOF                                |

### HATCH PATTERNS

|  |                     |  |                          |
|--|---------------------|--|--------------------------|
|  | EARTH - FILL        |  | BRICK                    |
|  | EARTH - UNDISTURBED |  | STEEL                    |
|  | ROCK (GEOLOGICAL)   |  | INSULATION (LOOSE/ BATT) |
|  | STONE OR RIP RAP    |  | INSULATION (RIGID)       |
|  | GRAVEL              |  | WOOD (ROUGH)             |
|  | CONCRETE            |  | WOOD (BLOCKING)          |
|  | CONCRETE BLOCK      |  | WOOD (FINISH)            |
|  | CMU                 |  | DETECTABLE WARNING       |
|  | ASPHALT PAVEMENT    |  |                          |

| EXISTING        | CIVIL  | PROPOSED        |
|-----------------|--|-----------------|
| EXISTING R.O.W. | RIGHT-OF-WAY LINE                                | PROPOSED R.O.W. |
|                 | PROPERTY LINE                                    |                 |
|                 | CENTERLINE                                       |                 |
|                 | SETBACK LINE                                     |                 |
|                 | EASEMENT LINE                                    |                 |
|                 | SECTION LINE                                     |                 |
|                 | SECTION CORNER                                   |                 |
|                 | COORDINATE POINT ON GRID SYSTEM                  |                 |
|                 | FOUND OR SET PROPERTY PIN                        |                 |
|                 | RIGHT-OF-WAY MARKER                              |                 |
|                 | BENCHMARK  |                 |
|                 | CONTOUR LINE                                     |                 |
|                 | SPOT ELEVATION (AT+)                             |                 |
|                 | FENCE LINE                                       |                 |
|                 | SILT FENCE LINE                                  |                 |
|                 | CURB AND GUTTER                                  |                 |
|                 | TIP OUT CURB AND GUTTER                          |                 |
|                 | SAWCUT, LIMITS OF PAVEMENT REMOVAL & REPLACEMENT |                 |
|                 | DECIDUOUS TREE W/ SIZE                           |                 |
|                 | CONIFEROUS TREE W/ SIZE                          |                 |
|                 | TREE STUMP                                       |                 |
|                 | HEDGEROW   |                 |
|                 | BUSH OR SHRUB                                    |                 |
|                 | TREE LINE  |                 |
|                 | CONSTRUCTION LIMIT LINE                          |                 |
|                 | SIGN (MULTIPLE POST, SINGLE POST)                |                 |
|                 | SIGN (PYLON)                                     |                 |
|                 | GUARD RAIL                                       |                 |
|                 | RAILROAD TRACKS                                  |                 |
|                 | BUILDING   |                 |
|                 | MAILBOX  |                 |
|                 | FLAGPOLE   |                 |
|                 | BOLLARD  |                 |
|                 | AIR CONDITIONER                                  |                 |

| EXISTING | MISC                             | PROPOSED |
|----------|----------------------------------|----------|
| S.B. #xx | SOIL BORING LOCATION AND NUMBER  | S.B. #xx |
| MW #xx   | MONITORING WELL                  | MW #xx   |
|          | REVISION NUMBER                  |          |
|          | OUTLINE OF DETAILED AREA         |          |
|          | SECTION NUMBER SHEET WHERE SHOWN |          |

| EXISTING | SANITARY SEWER            | PROPOSED |
|----------|---------------------------|----------|
| SAN      | SANITARY SEWER            | SAN      |
| SAN-S    | SANITARY SEWER SERVICE    | SAN-S    |
| SAN-FM   | SANITARY SEWER FORCE MAIN | SAN-FM   |
|          | SANITARY CLEANOUT         | CO       |
|          | SANITARY MANHOLE          |          |
|          | WYE FITTING               |          |

### SYMBOLS

| EXISTING | WATER                | PROPOSED |
|----------|----------------------|----------|
|          | WATER SERVICE        |          |
|          | WATER PIPE           |          |
|          | FIRE HYDRANT         |          |
|          | YARD HYDRANT         |          |
|          | WATER VALVE WITH BOX |          |
|          | CURB STOP W/CURB BOX |          |
|          | REDUCER              |          |
|          | WATER VALVE VAULT    |          |
|          | 11.25° BEND          |          |
|          | 22.50° BEND          |          |
|          | 45° BEND             |          |
|          | 90° BEND             |          |
|          | TEE                  |          |
|          | CAP                  |          |
|          | WATER METER          |          |
|          | SPRINKLER HEAD       |          |
|          | TRACER WIRE BOX      |          |

| EXISTING | STORM SEWER                         | PROPOSED |
|----------|-------------------------------------|----------|
| ST       | STORM SEWER                         | ST       |
| DT       | DRAIN TILE                          | DT       |
|          | DITCH LINE (PAVED)                  |          |
|          | DITCH LINE (UNPAVED)                |          |
|          | STORM MANHOLE                       |          |
|          | CATCH BASIN                         |          |
|          | STORM SEWER INLET                   |          |
|          | STORM SEWER INLET - BEHIND CURB     |          |
|          | DOWNSPOUT                           |          |
|          | CULVERT AND SIZE                    |          |
|          | RCCP OR RCP EQRS (RCAP) END SECTION |          |
|          | METAL OR HDPE END SECTION           |          |
|          | FLOW DIRECTION                      |          |

| EXISTING | EROSION CONTROL                      | PROPOSED |
|----------|--------------------------------------|----------|
|          | EROSION CONTROL BLANKET              |          |
|          | TEMPORARY AND PERMANENT SEEDING AREA |          |
|          | UNDISTURBED AREA                     |          |
|          | STABILIZED CONSTRUCTION ENTRANCE     |          |
|          | SILT FENCE                           |          |
|          | INLET PROTECTION                     |          |
|          | TEMPORARY SEDIMENT TRAP              |          |
|          | CULVERT INLET PROTECTION             |          |
|          | ROCK OUTLET PROTECTION               |          |
|          | ROCK CHECK DAM - COURSE AGGREGATE    |          |
|          | ROCK CHECK DAM - RIP RAP             |          |
|          | DITCH CHECK                          |          |

| EXISTING | UTILITY                               | PROPOSED |
|----------|---------------------------------------|----------|
| FO       | FIBER OPTIC LINE                      | FO       |
| TV       | UNDERGROUND TV CABLE                  | TV       |
| OU       | OVERHEAD UTILITY                      | OU       |
| UE       | UNDERGROUND ELECTRIC                  | UE       |
|          | ELECTRIC RISER PEDESTAL               |          |
|          | ELECTRIC MANHOLE                      |          |
|          | UNDERGROUND TELEPHONE                 |          |
|          | TELEPHONE RISER PEDESTAL              |          |
|          | TELEPHONE MANHOLE                     |          |
|          | UTILITY POLE                          |          |
|          | UTILITY POLE W/ METER                 |          |
|          | UTILITY POLE W/ TRANSFORMER           |          |
|          | UTILITY POLE W/ LIGHT                 |          |
|          | UTILITY POLE WITH GUY WIRE AND ANCHOR |          |
|          | LIGHT (MAST MOUNTED)                  |          |
|          | LIGHT POLE (SINGLE FIXTURE)           |          |
|          | YARD LIGHT                            |          |
|          | GAS MAIN                              |          |
|          | GAS METER                             |          |
|          | GAS VALVE                             |          |
|          | GAS STRUCTURE                         |          |

| EXISTING | TRAFFIC RELATED  | PROPOSED |
|----------|--|----------|
|          | CONTROLLER   |          |
|          | MAST ARM ASSEMBLY AND POLE   |          |
|          | SIGNAL HEAD AND POST   |          |
|          | SIGNAL HEAD  |          |
|          | PEDESTRIAN HEAD  |          |
|          | PEDESTRIAN PUSH-BUTTON   |          |
|          | HAND HOLE  |          |
|          | DOUBLE HAND HOLE   |          |
|          | HAND HOLE OR JUNCTION BOX  |          |
|          | HEAVY-DUTY HAND HOLE   |          |
|          | EXISTING CONDUIT (LENGTH AND SIZE)<br>PROP GALVANIZED STEEL OR PVC CONDUIT<br>UPPER NUMERAL INDICATES LENGTH<br>"T" INDICATES CONDUIT IN TRENCH<br>"P" INDICATED CONDUIT PUSHED<br>LOWER NUMERAL INDICATES SIZE AND TYPE |          |
|          | LUMINAIRE  |          |
|          | ARROW - THROUGH, TURN LEFT   |          |
|          | ARROW - THROUGH  |          |
|          | ARROW - TURN LEFT  |          |
|          | ARROW - TURN RIGHT   |          |
|          | ONE DIRECTION TURN ONLY  |          |
|          | HANDICAPPED PARKING STALL  |          |
|          | TRAFFIC DETECTOR LOOP  |          |
|          | TRAFFIC CONTROL BOX  |          |

**FEHR GRAHAM**  
ENGINEERING & ENVIRONMENTAL  
ILLINOIS DESIGN FIRM NO. 184-003525

ILLINOIS  
IOWA  
WISCONSIN

OWNER/DEVELOPER:  
URBANA PARK DISTRICT  
1011 KERR AVENUE  
URBANA, ILLINOIS 61802  
CONTRACT NO. 91576

PROJECT AND LOCATION:  
URBANA PARK DISTRICT  
CRYSTAL LAKE SHARED USE PATH  
URBANA, ILLINOIS

DRAWN BY: RLT  
APPROVED BY: WRW  
DATE: 7/6/18

| REVISIONS |                                |        |
|-----------|--------------------------------|--------|
| REV. NO.  | DESCRIPTION                    | DATE   |
| 1         | PER IDOT/CITY OF URBANA REVIEW | 6/6/18 |

DRAWING:  
**LEGEND AND ABBREVIATIONS**

JOB NUMBER:  
17-641  
SHEET NUMBER:  
4 of 35

|    | ITEM #   | ITEM NAME                                   | UNIT  | TOTAL QUANTITY |
|----|----------|---|-------|----------------|
| Δ  | 20100110 | TREE REMOVAL (6 TO 15 UNITS DIAMETER)       | UNIT  | 31             |
| Δ  | 20100210 | TREE REMOVAL (OVER 15 UNITS DIAMETER)       | UNIT  | 210            |
|    | 20100500 | TREE REMOVAL, ACRE                          | ACRE  | 0.50           |
|    | 20101000 | TEMPORARY FENCE                             | FOOT  | 1,422          |
| Δ* | 20101200 | TREE ROOT PRUNING                           | EACH  | 5              |
| Δ* | 20101300 | TREE PRUNING (1 TO 10 INCH DIAMETER)        | EACH  | 5              |
| Δ* | 20101350 | TREE PRUNING (OVER 10 INCH DIAMETER)        | EACH  | 5              |
| Δ* | 20101400 | NITROGEN FERTILIZER NUTRIENT                | POUND | 10             |
| Δ* | 20101500 | PHOSPHORUS FERTILIZER NUTRIENT              | POUND | 10             |
| Δ* | 20101600 | POTASSIUM FERTILIZER NUTRIENT               | POUND | 10             |
| Δ* | 20101700 | SUPPLEMENTAL WATERING                       | UNIT  | 1              |
|    | 20200100 | EARTH EXCAVATION                            | CU YD | 7              |
|    | 20201200 | REMOVAL AND DISPOSAL OF UNSUITABLE MATERAIL | CU YD | 1,150          |
|    | 20400800 | FURNISHED EXCAVATION                        | CU YD | 597            |
|    | 21101505 | TOPSOIL EXCAVATION AND PLACEMENT            | CU YD | 771            |
| Δ  | 25000305 | SEEDING, CLASS 3A                           | ACRE  | 0.25           |
| Δ  | 25000400 | NITROGEN FERTILIZER NUTRIENT                | POUND | 21             |
| Δ  | 25000500 | PHOSPHORUS FERTILIZER NUTRIENT              | POUND | 21             |
| Δ  | 25000600 | POTASSIUM FERTILIZER NUTRIENT               | POUND | 21             |
| Δ  | 25100125 | MULCH, METHOD 3                             | ACRE  | 0.25           |
| Δ  | 25100630 | EROSION CONTROL BLANKET                     | SQ YD | 1,345          |
| Δ* | 25200200 | SUPPLEMENTAL WATERING                       | UNIT  | 5              |
|    | 28000250 | TEMPORARY EROSION CONTROL SEEDING           | POUND | 23             |
|    | 28000400 | PERMETER EROSION BARRIER                    | FOOT  | 1,660          |
|    | 28000510 | INLET FILTERS                               | EACH  | 32             |
|    | 35101600 | AGGREGATE BASE COURSE, TYPE B 4"            | SQ YD | 1,891          |
|    | 42000200 | PORTLAND CEMENT CONCRETE PAVEMENT - 7 INCH  | SQ YD | 151            |
|    | 42400300 | PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH    | SQ FT | 17,153         |
|    | 42400800 | DETECTABLE WARNINGS                         | SQ FT | 252            |
|    | 44000100 | PAVEMENT REMOVAL                            | SQ YD | 151            |

|    | ITEM #   | ITEM NAME   | UNIT  | TOTAL QUANTITY |
|----|----------|---|-------|----------------|
|    | 44000500 | COMBINATION CURB AND GUTTER REMOVAL   | FOOT  | 338            |
|    | 44000600 | SIDEWALK REMOVAL  | SQ FT | 1,823          |
|    | 550A0050 | STORM SEWERS, CLASS A, TYPE 1 12"   | FOOT  | 82             |
|    | 60219000 | MANHOLES, TYPE A, 4'-DIAMETER, TYPE B GRATE   | EACH  | 1              |
|    | 60236200 | INLETS, TYPE A, TYPE B GRATE  | EACH  | 2              |
|    | 60500040 | REMOVING MANHOLES   | EACH  | 1              |
|    | 60604400 | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18   | FOOT  | 304            |
|    | 67100100 | MOBILIZATION  | L SUM | 1              |
| Δ  | 72000100 | SIGN PANEL - TYPE 1   | SQ FT | 70             |
| Δ  | 72900200 | METAL POST - TYPE B   | FOOT  | 46             |
| Δ* | 73000100 | WOOD SIGN SUPPORT   | FOOT  | 93             |
| Δ  | 78009006 | MODIFIED URETHANE PAVEMENT MARKING - LINE 6"  | FOOT  | 77             |
| Δ  | 78009024 | MODIFIED URETHANE PAVEMENT MARKING - LINE 24"   | FOOT  | 21             |
| Δ  | 81028340 | UNDERGROUND CONDUIT, PVC, 1-1/2" DIA.   | FOOT  | 530            |
| Δ  | 81400730 | HANDHOLE, COMPOSITE CONCRETE 12"W. X 18"L X 12"D.   | EACH  | 6              |
| Δ  | 81702130 | ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE) 1/C NO.6   | FOOT  | 1,590          |
| Δ  | 84200500 | REMOVAL OF LIGHTING UNIT, SALVAGE   | EACH  | 2              |
| Δ  | 84400105 | RELOCATE LIGHTING UNIT  | EACH  | 2              |
| Δ  | A2002879 | TREE, CELTIS OCCIDENTALIS CHICAGOLAND, (CHICAGOLAND COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED | EACH  | 2              |
| Δ  | A2005814 | TREE, PLATANUS OCCIDENTALIS (SYCAMORE), 1-3/4" CALIPER, BALLED AND BURLAPPED                            | EACH  | 2              |
| Δ  | A2006414 | TREE, QUERCUS ALBA (WHITE OAK), 1/3/4" CALIPER, BALLED AND BURLAPPED                                    | EACH  | 3              |
| Δ  | A2C02501 | TREE, CERCIS CANADENSIS (REDBUD), 1" CALIPER, CONTAINER GROWN   | EACH  | 2              |
| Δ  | A2C056G3 | TREE, QUERCUS MACROCARPA (BURR OAK), CONATAINER GROWN, 3-GALLON   | EACH  | 1              |
| *  | X0321461 | PILLAR REMOVAL  | EACH  | 1              |
| Δ* | X0327618 | LANDSCAPING, SPECIAL  | L SUM | 1              |
| *  | X0327979 | PAVEMENT MARKING REMOVAL - GRINDING   | SQ FT | 88             |
| Δ* | X2500910 | SEEDING, CLASS 1 (MODIFIED)   | ACRE  | 0.25           |
| Δ* | X2501820 | SEEDING, CLASS 5 (MODIFIED)   | ACRE  | 0.25           |
| *  | X7010216 | TRAFFIC CONTROL AND PROTECTION, (SPECIAL)   | L SUM | 1              |
| *  | X7240300 | SIGN REMOVAL  | EACH  | 1              |
| Δ* | Z0007124 | STEEL RAILING (SPECIAL)   | FOOT  | 103            |
| *  | Z0013798 | CONSTRUCTION LAYOUT   | L SUM | 1              |

\* SEE SPECIAL PROVISIONS

Δ SPECIALTY ITEMS

**FEHR GRAHAM**

ENGINEERING & ENVIRONMENTAL

ILLINOIS DESIGN FIRM NO. 104-003523

ILLINOIS  
IOWA  
WISCONSIN

OWNER/DEVELOPER:

URBANA PARK DISTRICT  
1011 KERR AVENUE  
URBANA, ILLINOIS 61802

PROJECT AND LOCATION:

URBANA PARK DISTRICT  
CRYSTAL LAKE SHARED USE PATH  
URBANA, ILLINOIS

CONTRACT NO. 91576

DRAWN BY: RLT  
APPROVED BY: CMO  
DATE: 7/6/18  
SCALE:

| REVISIONS |                               |        |
|-----------|-------------------------------|--------|
| REV. NO.  | DESCRIPTION                   | DATE   |
| 1         | PER DOT/CITY OF URBANA REVIEW | 8/9/18 |
|           |                               |        |
|           |                               |        |

DRAWING:

SUMMARY OF QUANTITIES

JOB NUMBER:

17-641

SHEET NUMBER:

5 of 35

6/20/17-411/Plan/Summary of Quantities, PO-3622 RUS

| 20101000 - TEMPORARY FENCE |              |
|----------------------------|--------------|
| LOCATION                   | FOOT         |
| 11+02 LT                   | 52.6         |
| 11+23 RT                   | 85.5         |
| 11+31 LT                   | 42.7         |
| 11+41 RT                   | 38.6         |
| 11+86 RT                   | 84.4         |
| 12+44 LT                   | 164.4        |
| 14+26 LT                   | 60.4         |
| 15+55 LT                   | 90.0         |
| 16+24 LT                   | 71.3         |
| 16+52 LT                   | 102.8        |
| 17+26 LT                   | 103.9        |
| 17+45 LT                   | 45.2         |
| 17+52 RT                   | 140.0        |
| 17+68 RT                   | 37.6         |
| 18+73 RT                   | 45.2         |
| 19+24 RT                   | 164.0        |
| 21+51 RT                   | 93.0         |
| <b>TOTAL</b>               | <b>1,422</b> |

| 20100110 - TREE REMOVAL (6 - 15 UNITS DIAMETER) |           |
|---|-----------|
| LOCATION  | UNIT      |
| 16+36.00 2.27' LT                               | 6         |
| 16+78.00 10.63' LT                              | 10        |
| NE RAMP OF PARK ST & BROADWAY                   | 15        |
| <b>TOTAL</b>                                    | <b>31</b> |

| 20100210 - TREE REMOVAL (OVER 15 UNITS DIAMETER) |            |
|--|------------|
| LOCATION   | UNIT       |
| 21+65.22 9.0' RT                                 | 48         |
| 22+17.44 25.0' LT                                | 42         |
| 22+46.75 21.38' RT                               | 24         |
| 22+70.80 17.15' RT                               | 42         |
| 23+33.75 0.83' LT                                | 30         |
| 23+92.43 22.48' LT                               | 24         |
| <b>TOTAL</b>                                     | <b>210</b> |

| 20100500 - TREE REMOVAL, ACRE |                |             |
|-------------------------------|----------------|-------------|
| STATION                       | TO STATION     | ACRE        |
| 23+10.00 11' LT               | 25+60.00 4' LT | 0.25        |
| PENINSULA                     |                | 0.25        |
| <b>TOTAL</b>                  |                | <b>0.50</b> |

| 44000100 - PAVEMENT REMOVAL       |            |            |
|-----------------------------------|------------|------------|
| STATION                           | TO STATION | SQ YD      |
| 20+82.05                          | 21+03.82   | 120        |
| 15+45.62                          | 15+59.18   | 3.2        |
| NW RAMP OF PARK ST & BROADWAY AVE |            | 9.1        |
| S RAMP OF PARK ST & BROADWAY AVE  |            | 18.7       |
| <b>TOTAL</b>                      |            | <b>161</b> |

| 44000600 - SIDEWALK REMOVAL        |            |              |
|------------------------------------|------------|--------------|
| STATION                            | TO STATION | SQ FT        |
| 10+02.53                           | 10+12.02   | 44.0         |
| 10+56.74                           | 10+85.40   | 645.4        |
| E RAMP OF McCOULLOUGH ST & PARK ST |            | 319.6        |
| NW RAMP OF PARK ST & BROADWAY AVE. |            | 396.0        |
| S RAMP OF PARK ST & BROADWAY AVE   |            | 417.8        |
| <b>TOTAL</b>                       |            | <b>1,823</b> |

|                                    |             | 25000400 - NITROGEN FERTILIZER NUTRIENT | 25000500 - PHOSPHORUS FERTILIZER NUTRIENT | 28000250 - TEMPORARY EROSION CONTROL SEEDING | 25100630 - EROSION CONTROL BLANKET | 25000305 - SEEDING, CLASS 3A | X2501820 - SEEDING, CLASS 5 (MODIFIED) |
|------------------------------------|-------------|---|---|--|------------------------------------|------------------------------|--|
|                                    |             | X2500910 - SEEDING, CLASS 1 (MODIFIED)  | 25000600 - POTASSIUM FERTILIZER NUTRIENT  | POUND  | SQ YD                              | ACRE                         | ACRE                                   |
| LOCATION                           | TO LOCATION | 25100125 - MULCH METHOD 3               | ACRE                                      | POUND  | POUND                              | ACRE                         | ACRE                                   |
| STA. 10+51                         | STA. 15+62  | 0.05                                    | 4.7                                       | 5.19   | -                                  | -                            | -                                      |
| STA. 15+92                         | STA. 20+82  | 0.11                                    | 9.8                                       | 10.90  | -                                  | -                            | -                                      |
| STA. 21+04                         | STA. 25+80  | 0.05                                    | 4.5                                       | 5.00   | -                                  | -                            | -                                      |
| STA. 22+50                         | STA. 24+11  | -                                       | -   | -  | -                                  | -                            | 0.07                                   |
| STA. 22+50                         | STA. 25+60  | -                                       | -   | -  | 557.0                              | -                            | -                                      |
| PENINSULA                          |             | -                                       | -   | -  | 786.5                              | 0.16                         | -                                      |
| W RAMP OF CHURCH ST & PARK ST      |             | 0.00                                    | 0.1                                       | 0.12   | -                                  | -                            | -                                      |
| E RAMP OF McCOULLOUGH ST & PARK ST |             | 0.00                                    | 0.2                                       | 0.26   | -                                  | -                            | -                                      |
| W RAMP OF CENTRAL AVE & PARKST     |             | 0.00                                    | 0.1                                       | 0.12   | -                                  | -                            | -                                      |
| W RAMP OF RACE ST & PARK ST        |             | 0.00                                    | 0.1                                       | 0.12   | -                                  | -                            | -                                      |
| NE RAMP OF PARK ST & BROADWAY AVE  |             | 0.00                                    | 0.2                                       | 0.21   | -                                  | -                            | -                                      |
| S RAMPS OF PARK ST & BROADWAY AVE  |             | 0.01                                    | 0.8                                       | 0.89   | -                                  | -                            | -                                      |
| <b>SUB TOTALS</b>                  |             | <b>0.23</b>                             | <b>20.5</b>                               | <b>22.81</b>                                 | <b>1,343.50</b>                    | <b>0.16</b>                  | <b>0.07</b>                            |
| <b>TOTALS</b>                      |             | <b>0.25</b>                             | <b>21</b>                                 | <b>23</b>                                    | <b>1345</b>                        | <b>0.25</b>                  | <b>0.25</b>                            |

| 44000500 - COMBINATION CURB AND GUTTER REMOVAL |                   |            |
|--|-------------------|------------|
| STATION  | TO STATION        | FOOT       |
| 10+10.05 4.0' RT                               | 10+13.37 3.9' LT  | 8.6        |
| 10+49.92 3.2' LT                               | 10+63.32 16.6' RT | 24.5       |
| 15+45.67 14.1' RT                              | 15+62.70 6.6' LT  | 29.2       |
| 15+90.75 6.4' LT                               | 15+93.87 7.5' RT  | 14.2       |
| 20+60.15 18.7' RT                              | 20+78.80 25.8' LT | 60.0       |
| 21+00.14 29.8' LT                              | 21+12.61 16.0' RT | 49.3       |
| 24+93.40 31.0' RT                              | 25+12.56 24.3' RT | 34.0       |
| E RAMP OF McCOULLOUGH ST & PARK ST             |                   | 18.5       |
| W RAMP OF CENTRAL AVE & PARKST                 |                   | 8.2        |
| W RAMP OF RACE ST & PARK ST                    |                   | 8.1        |
| S RAMP OF PARK ST & BROADWAY AVE               |                   | 42.2       |
| NW RAMP OF PARK ST & BROADWAY AVE              |                   | 33.9       |
| NE RAMP OF PARK ST & BROADWAY AVE              |                   | 7.0        |
| <b>TOTAL</b>                                   |                   | <b>338</b> |

| 60500040 - REMOVING MANHOLES |          |
|------------------------------|----------|
| LOCATION                     | EACH     |
| 18+33.64 16.7' RT            | 1.0      |
| <b>TOTAL</b>                 | <b>1</b> |

| X0327979 - PAVEMENT MARKING REMOVAL-GRINDING |           |
|--|-----------|
| LOCATION                                     | SQ FT     |
| CHURCH ST & PARK ST INTERSECTION             | 87.5      |
| <b>TOTAL</b>                                 | <b>88</b> |

| X0321461 - PILLAR REMOVAL |          |
|---------------------------|----------|
| LOCATION                  | EACH     |
| 15+60.00 7.83' LT         | 1.0      |
| <b>TOTAL</b>              | <b>1</b> |

| X7240300 - SIGN REMOVAL            |          |
|------------------------------------|----------|
| LOCATION                           | EACH     |
| PARK ST. & BROADWAY ST (PARK SIGN) | 1.0      |
| <b>TOTAL</b>                       | <b>1</b> |

|                      |  |                              | 20101400 - NITROGEN FERTILIZER NUTRIENT   |           |
|----------------------|--|------------------------------|---|-----------|
|                      |  |                              | 20101600 - PHOSPHORUS FERTILIZER NUTRIENT |           |
|                      |  |                              | 20101600 - POTASSIUM FERTILIZER NUTRIENT  |           |
|                      |  | 20101200 - TREE ROOT PRUNING | 20101700 - SUPPLEMENTAL WATERING          | POUND     |
|                      |  | EACH                         | UNIT                                      | POUND     |
| CONTINGENCY ROUND UP |  | 5.0                          | 1.0                                       | 10.0      |
| <b>TOTALS</b>        |  | <b>5</b>                     | <b>1</b>                                  | <b>10</b> |

|               |  | 20101300 - TREE PRUNING (1 TO 10 INCH DIAMETER) | 20101350 - TREE PRUNING (OVER 10 INCH DIAMETER) |
|---------------|--|---|---|
|               |  | EACH  | EACH  |
|               |  | 5.0   | 5.0   |
| <b>TOTALS</b> |  | <b>5</b>  | <b>5</b>  |



ILLINOIS  
IOWA  
WISCONSIN

OWNER/DEVELOPER:  
URBANA PARK DISTRICT  
1011 KERR AVENUE  
URBANA, ILLINOIS 61802

PROJECT AND LOCATION:  
URBANA PARK DISTRICT  
CRYSTAL LAKE SHARED USE PATH  
URBANA, ILLINOIS

CONTRACT NO. 91576

DRAWN BY: RLT  
APPROVED BY: CMO  
DATE: 7/6/18  
SCALE:

| REVISIONS |                               |        |
|-----------|-------------------------------|--------|
| REV. NO.  | DESCRIPTION                   | DATE   |
| 1         | PER DOT/CITY OF URBANA REVIEW | 6/8/18 |

DRAWING:  
SCHEDULE OF QUANTITIES

JOB NUMBER:  
17-641

SHEET NUMBER:  
6 of 35

6:\CS\17-641\Drawings\Schedule of Quantities.dwg, 10-14-2018 10:10:11 AM

| 42400800 - DETECTABLE WARNINGS |            |
|--------------------------------|------------|
| LOCATION                       | SQ FT      |
| CHRUCH ST                      | 50         |
| McCOULLOUGH ST                 | 26         |
| W PARK ENTRANCE                | 50         |
| CENTRAL AVE & PARKST           | 10         |
| E PARK ENTRANCE                | 50         |
| RACE ST & PARK ST              | 10         |
| PARK ST & BROADWAY AVE         | 56         |
| <b>TOTAL</b>                   | <b>252</b> |

| 550A0050 - STORM SEWERS, CLASS A, TYPE 1 12" |                    |           |
|--|--------------------|-----------|
| STATION                                      | TO STATION         | FT        |
| 18+10.0 15' LT                               | 18+33.64 16.76' RT | 38.0      |
| 19+60.0 20' RT                               | 19+86.0 17.3' LT   | 44.0      |
| <b>TOTAL</b>                                 |                    | <b>82</b> |

| 60219000 - MANHOLES, TYPE A, 4' DIA. TYPE 8 GRATE |          |  |
|---|----------|--|
| LOCATION  | EACH     |  |
| 18+33.64 16.7' RT                                 | 1.0      |  |
| <b>TOTAL</b>                                      | <b>1</b> |  |

| 60236200 - INLETS, TYPE A, TYPE 8 GRATE |          |  |
|---|----------|--|
| LOCATION                                | EACH     |  |
| 18+10.0 15' LT                          | 1.0      |  |
| 19+60.0 20' RT                          | 1.0      |  |
| <b>TOTAL</b>                            | <b>2</b> |  |

| 78009006 - MODIFIED URETHANE PAVEMENT MARKING - LINE 6" |           |  |
|---|-----------|--|
| LOCATION  | FT        |  |
| CHURCH ST CROSS WALK                                    | 76.8      |  |
| <b>TOTAL</b>  | <b>77</b> |  |

| 78009024 - MODIFIED URETHANE PAVEMENT MARKING - LINE 24" |           |  |
|--|-----------|--|
| LOCATION   | FT        |  |
| CHURCH ST STOP BAR                                       | 20.5      |  |
| <b>TOTAL</b>   | <b>21</b> |  |

| Z0007124 - STEEL RAILING (SPECIAL) |            |              |
|------------------------------------|------------|--------------|
| STATION                            | TO STATION | FT           |
| 22+50.0                            | 23+50.0    | 103.0        |
| <b>TOTAL</b>                       |            | <b>103.0</b> |

| 42000200 - PCC PAVEMENT 7"        |            |            |
|-----------------------------------|------------|------------|
| STATION                           | TO STATION | SQ YD      |
| 15+45.62                          | 15+59.18   | 3.2        |
| 20+82.05                          | 21+03.82   | 120        |
| NW RAMP OF PARK ST & BROADWAY AVE |            | 9.1        |
| S RAMP OF PARK ST & BROADWAY AVE  |            | 18.7       |
| <b>TOTAL</b>                      |            | <b>151</b> |

|                   | A2002879 - TREE, CELTIS OCCIDENTALIS CHICAGOLAND, CHICAGOLAND (COMMON HACKBERRY), 2" CALIPER, BALLED & BURLAPPED | A2006814 - TREE, PLATANUS OCCIDENTALIS (SYCAMORE), 1-3/4" CALIPER, BALLED & BURLAPPED | A2006414 - TREE, QUERCUS ALBA (WHITE OAK), 1-3/4" CALIPER, BALLED & BURLAPPED | A2C02501 - TREE, CERCIS CANADENSIS (REDBUD), 1" CALIPER, CONTAINER GROWN | A2C056G3 - TREE, QUERCUS MACROCARPA (BUR OAK), CONTAINER GROWN, 3 GALLON |
|-------------------|--|---|---|--|--|
| LOCATION          | EACH   | EACH  | EACH  | EACH   | EACH   |
| STA. 13+25 13' LT |  |   | 1   |  |  |
| STA. 14+18 13' RT |  |   | 1   |  |  |
| STA. 18+00 45' RT |  |   | 1   |  |  |
| STA. 19+00 19' LT |  |   |   |  | 1  |
| STA. 19+41 13' LT |  | 1   |   |  |  |
| STA. 19+71 20' RT |  |   |   | 1  |  |
| STA. 20+35 18' LT |  |   |   | 1  |  |
| STA. 21+97 18' RT | 1  |   |   |  |  |
| STA. 22+51 15' RT |  | 1   |   |  |  |
| STA. 23+00 13' RT | 1  |   |   |  |  |
| <b>TOTALS</b>     | <b>2</b>   | <b>2</b>  | <b>3</b>  | <b>2</b>   | <b>1</b>   |

| 28000400 - PERIMETER EROSION BARRIER |            |              |
|--------------------------------------|------------|--------------|
| STATION                              | TO STATION | FOOT         |
| 10+42.00                             | 25+65      | 1,410.0      |
| PENINSULA                            |            | 250.0        |
| <b>TOTAL</b>                         |            | <b>1,660</b> |

| 35101600 - AGGREGATE BASE COURSE, TYPE B 4" |            |              |
|---|------------|--------------|
| STATION                                     | TO STATION | SQ YD        |
| 10+53.69                                    | 15+62.3    | 565.1        |
| 15+93.13                                    | 20+81.55   | 542.7        |
| 21+04.32                                    | 25+60.00   | 506.3        |
| W RAMP OF CHURCH ST & PARK ST               |            | 5.3          |
| E RAMP OF CHURCH ST & PARK ST               |            | 69.0         |
| E RAMP OF McCOULLOUGH ST & PARK ST          |            | 18.4         |
| STA. 15+50 PARK ENTRANCE                    |            | 4.4          |
| W RAMP OF CENTRAL AVE & PARKST              |            | 5.0          |
| STA. 20+64 PARK ENTRANCE                    |            | 7.1          |
| W RAMP OF RACE ST & PARK ST                 |            | 5.1          |
| N RAMPS OF PARK ST & BROADWAY AVE           |            | 73.4         |
| S RAMPS OF PARK ST & BROADWAY AVE           |            | 44.1         |
| 12+48.89 BENCH PAD                          |            | 11.0         |
| 16+25.76 BUS PAD                            |            | 13.0         |
| 17+19.97 BENCH PAD                          |            | 11.0         |
| 24+48.12 BUS PAD                            |            | 10.0         |
| <b>TOTAL</b>                                |            | <b>1,891</b> |

| 42400300 - PCC SIDEWALK 6 INCH     |            |               |
|------------------------------------|------------|---------------|
| STATION                            | TO STATION | SQ FT         |
| 10+53.69                           | 15+62.3    | 5086.1        |
| 15+93.13                           | 20+81.55   | 4884.2        |
| 21+04.32                           | 25+60.00   | 4556.8        |
| W RAMP OF CHURCH ST & PARK ST      |            | 47.5          |
| E RAMP OF CHURCH ST & PARK ST      |            | 620.6         |
| E RAMP OF McCOULLOUGH ST & PARK ST |            | 309.4         |
| STA. 15+50 PARK ENTRANCE           |            | 39.5          |
| W RAMP OF CENTRAL AVE & PARKST     |            | 45.0          |
| STA. 20+64 PARK ENTRANCE           |            | 64.1          |
| W RAMP OF RACE ST & PARK ST        |            | 45.9          |
| N RAMPS OF PARK ST & BROADWAY AVE  |            | 660.6         |
| S RAMPS OF PARK ST & BROADWAY AVE  |            | 396.5         |
| 12+48.89 BENCH PAD                 |            | 96.0          |
| 16+25.76 BUS PAD                   |            | 115.0         |
| 17+19.97 BENCH PAD                 |            | 96.0          |
| 24+48.12 BUS PAD                   |            | 90.0          |
| <b>TOTAL</b>                       |            | <b>17,153</b> |

| 60604400 - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 |                   |            |
|--|-------------------|------------|
| STATION  | TO STATION        | FOOT       |
| 10+10.05 4.0' RT   | 10+13.37 3.9' LT  | 8.6        |
| 10+49.92 3.2' LT   | 10+63.32 16.6' RT | 24.5       |
| 15+45.67 14.1' RT  | 15+62.70 6.6' LT  | 29.2       |
| 15+90.75 6.4' LT   | 15+93.87 7.5' RT  | 14.2       |
| 20+60.15 18.7' RT  | 20+78.80 25.8' LT | 60.0       |
| 21+00.14 29.8' LT  | 21+12.61 16.0' RT | 49.3       |
| 24+93.40 31.0' RT  | 25+12.56 24.3' RT | 34.0       |
| E RAMP OF McCOULLOUGH ST & PARK ST                           |                   | 18.5       |
| W RAMP OF CENTRAL AVE & PARKST                               |                   | 8.2        |
| W RAMP OF RACE ST & PARK ST                                  |                   | 8.1        |
| S RAMPS OF PARK ST & BROADWAY AVE                            |                   | 42.2       |
| NE RAMP OF PARK ST & BROADWAY AVE                            |                   | 7.0        |
| <b>TOTAL</b>   |                   | <b>304</b> |

| 28000510 - INLET FILTERS         |           |
|----------------------------------|-----------|
| LOCATION                         | EACH      |
| CHURCH ST & PARK ST              | 3         |
| McCOULLOUGH ST & PARK ST         | 3         |
| 13+35.34 14.68' RT               | 1         |
| 15+02.90 35.16' LT               | 1         |
| 15+24.03 59.5' LT                | 1         |
| W PARK ENTRANCE                  | 2         |
| 15+83.00 31.5' LT                | 1         |
| 16+09.71 41' RT                  | 1         |
| 18+10.04 15.1' LT                | 1         |
| 18+33.56 16.76' RT               | 1         |
| 18-78.90 65.71' RT               | 1         |
| LAKE ST & PARK ST                | 3         |
| 19+60.00 20.02' RT               | 1         |
| 19+85.69 17.29' LT               | 1         |
| 19+91.73 30.92' RT               | 1         |
| 19+99.50 24.23' LT               | 1         |
| 20+08.93 36.35' LT               | 1         |
| 20+17.32 17.21' LT               | 1         |
| 20+57.50 52.60' LT               | 1         |
| EAST PARK ENTRANCE               | 1         |
| 20+88.52 73.40' LT               | 1         |
| RACE ST & PARK ST                | 2         |
| 24+84.30 27.73' RT               | 1         |
| S RAMP OF PARK ST & BROADWAY AVE | 1         |
| <b>TOTAL</b>                     | <b>32</b> |

**EARTHWORK SCHEDULE**

| LOCATION                             | STATION  | TO STATION    | 20201200                                    | 21101505           |                     |                 | 20200100         |   |               |   |
|--------------------------------------|----------|---------------|---|--------------------|---------------------|-----------------|------------------|---|---------------|---|
|                                      |          |               | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL | TOPSOIL EXCAVATION | TOPSOIL PLACEMENT** | TOPSOIL WASTE** | EARTH EXCAVATION | EARTH EXCAVATION ADJUSTED FOR SHRINKAGE** | EMBANKMENT ** | EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)** |
|                                      |          |               | (CU YD)                                     | (CU YD)            | (CU YD)             | (CU YD)         | (CU YD)          | (CU YD)                                   | (CU YD)       | (CU YD)                                       |
| CHURCH ST TO W. PARK ENTRANCE        | 10+53.47 | 15+70         | 0   | 245                | 59                  | 187             | 0                | 0   | 117           | -117  |
| W. PARK ENTRANCE TO E. PARK ENTRANCE | 15+70    | 20+95         | 0   | 220                | 194                 | 26              | 0                | 0   | 339           | -339  |
| E. PARK ENTRANCE TO PROJECT END      | 20+95    | 25+60         | 0   | 305                | 380                 | -75             | 7                | 5   | 147           | -142  |
| PENINSULA                            | 129+82   | 183+14        | 1150  | 0                  | 138                 | 0               | 0                | 0   | 0             | 0   |
|                                      |          | <b>TOTALS</b> | <b>1,150</b>                                | <b>771</b>         | <b>771</b>          | <b>138</b>      | <b>7</b>         | <b>5</b>                                  | <b>603</b>    | <b>-597</b>                                   |

**20400800 FURNISHED EXCAVATION (CU YD) = 597**

\*\* NOT A PAY ITEM

TOPSOIL WASTE = TOPSOIL EXCAVATION - TOPSOIL PLACEMENT (NO SHRINKAGE FACTOR)

EARTHWORK BALANCE = EARTH EXCAVATION ADJUSTED FOR SHRINKAGE - EMBANKMENT

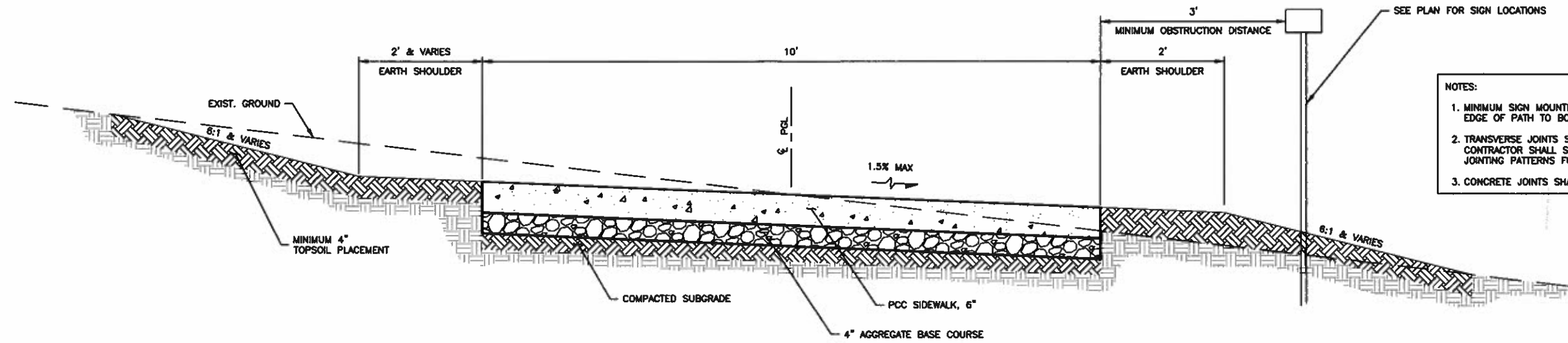
FURNISHED EXCAVATION = TOTAL SHORTAGE (-)

25% SHRINKAGE FACTOR ASSUMED

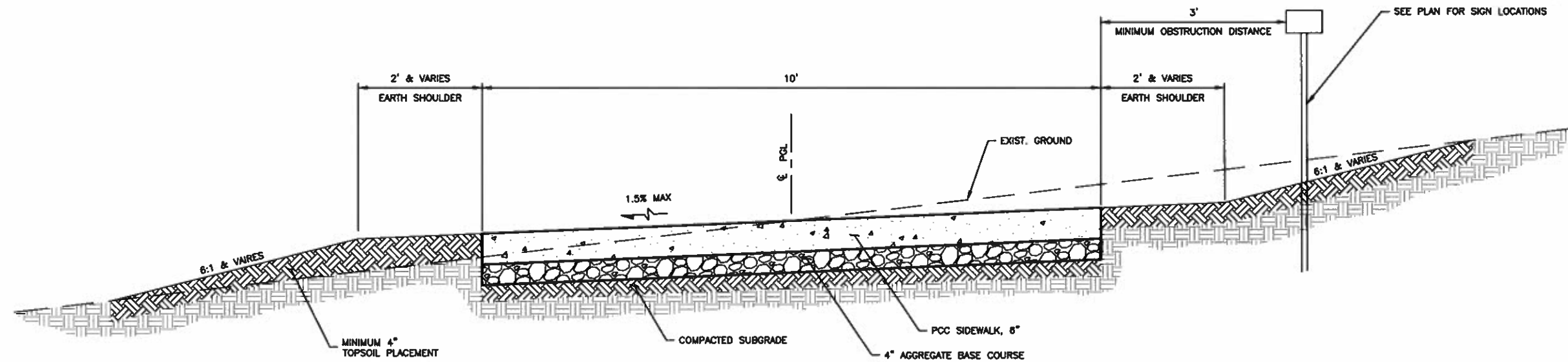
| 72000100 SIGN PANEL - TYPE 1 |             |            |             | 72900200 - METAL POST - TYPE B | 73000100 - WOOD SIGN SUPPORT |
|------------------------------|-------------|------------|-------------|--------------------------------|------------------------------|
| LOCATION                     | DESIGNATION | PANEL SIZE | SQ FT       | FT                             | FT                           |
| 10+85                        | R9-6        | 12"X18"    | 1.50        | -                              | 12.5                         |
| 10+85                        | R5-3        | 24"X24"    | 4.00        | -                              | -                            |
| 14+50                        | W3-1        | 18"X18"    | 2.25        | -                              | 10.5                         |
| 15+35                        | W11-15      | 30"X30"    | 6.25        | -                              | 12.5                         |
| 15+35                        | W16-9P      | 24"X12"    | 2.00        | -                              | -                            |
| 15+44                        | R1-1        | 18"X18"    | 2.25        | -                              | 10.5                         |
| 16+00                        | R1-1        | 18"X18"    | 2.25        | -                              | 10.5                         |
| 16+52                        | W3-1        | 18"X18"    | 2.25        | -                              | 10.5                         |
| 20+72                        | W11-15      | 30"X30"    | 6.25        | -                              | 13.0                         |
| 20+72                        | W16-9P      | 24"X12"    | 2.00        | -                              | -                            |
| 24+38                        | R9-6        | 12"X18"    | 1.50        | -                              | 12.5                         |
| 24+38                        | R5-3        | 24"X24"    | 4.00        | -                              | -                            |
| 25+17                        | W11-15      | 30"X30"    | 6.25        | 11.5                           | -                            |
| 25+17                        | W16-7P      | 24"X12"    | 2.00        | -                              | -                            |
| E SIDE BROADWAY AVE          | W11-15      | 30"X30"    | 6.25        | 11.5                           | -                            |
| E SIDE BROADWAY AVE          | W16-7P      | 24"X12"    | 2.00        | -                              | -                            |
| E SIDE BRAODWAY AVE          | W11-2       | 30"X30"    | 6.25        | 11.5                           | -                            |
| E SIDE BRAODWAY AVE          | W16-9P      | 24"X12"    | 2.00        | -                              | -                            |
| 26+09                        | W11-2       | 30"X30"    | 6.25        | 11.5                           | -                            |
| 26+09                        | W16-9P      | 24"X12"    | 2.00        | -                              | -                            |
| <b>TOTAL</b>                 |             |            | <b>70.0</b> | <b>46.0</b>                    | <b>93.0</b>                  |

| REVISIONS |                               |        |
|-----------|-------------------------------|--------|
| REV. NO.  | DESCRIPTION                   | DATE   |
| 1         | PER DOT/CITY OF URBANA REVIEW | 8/8/18 |
|           |                               |        |
|           |                               |        |



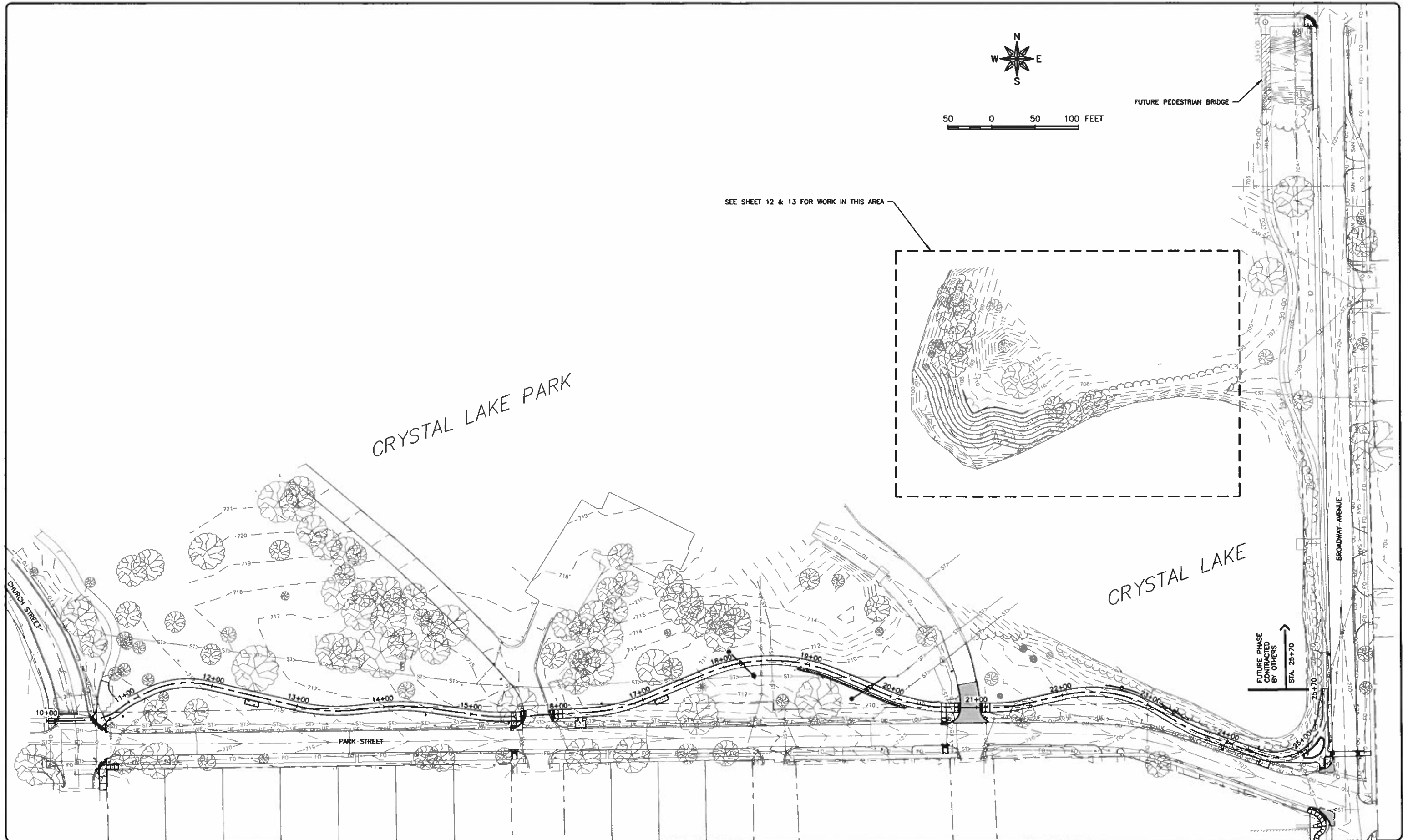


TYPICAL SECTION



TYPICAL SECTION

| REVISIONS |                                |        |
|-----------|--------------------------------|--------|
| REV. NO.  | DESCRIPTION                    | DATE   |
| 1         | PER IDOT/CITY OF URBANA REVIEW | 8/8/18 |
|           |                                |        |
|           |                                |        |



**FEHR GRAHAM**  
ENGINEERING & ENVIRONMENTAL

ILLINOIS  
IOWA  
WISCONSIN

OWNER/DEVELOPER:  
URBANA PARK DISTRICT  
1011 KERR AVENUE  
URBANA, ILLINOIS 61802

PROJECT AND LOCATION:  
URBANA PARK DISTRICT  
CRYSTAL LAKE SHARED USE PATH  
URBANA, ILLINOIS  
CONTRACT NO. 91576

DRAWN BY: RLT  
APPROVED BY: WRW  
DATE: 7/6/18

| REVISIONS |                                |        |
|-----------|--------------------------------|--------|
| REV. NO.  | DESCRIPTION                    | DATE   |
| 1         | PER IDOT/CITY OF URBANA REVIEW | 8/8/18 |
|           |                                |        |
|           |                                |        |

DRAWING:  
OVERALL PLAN

JOB NUMBER:  
17-641

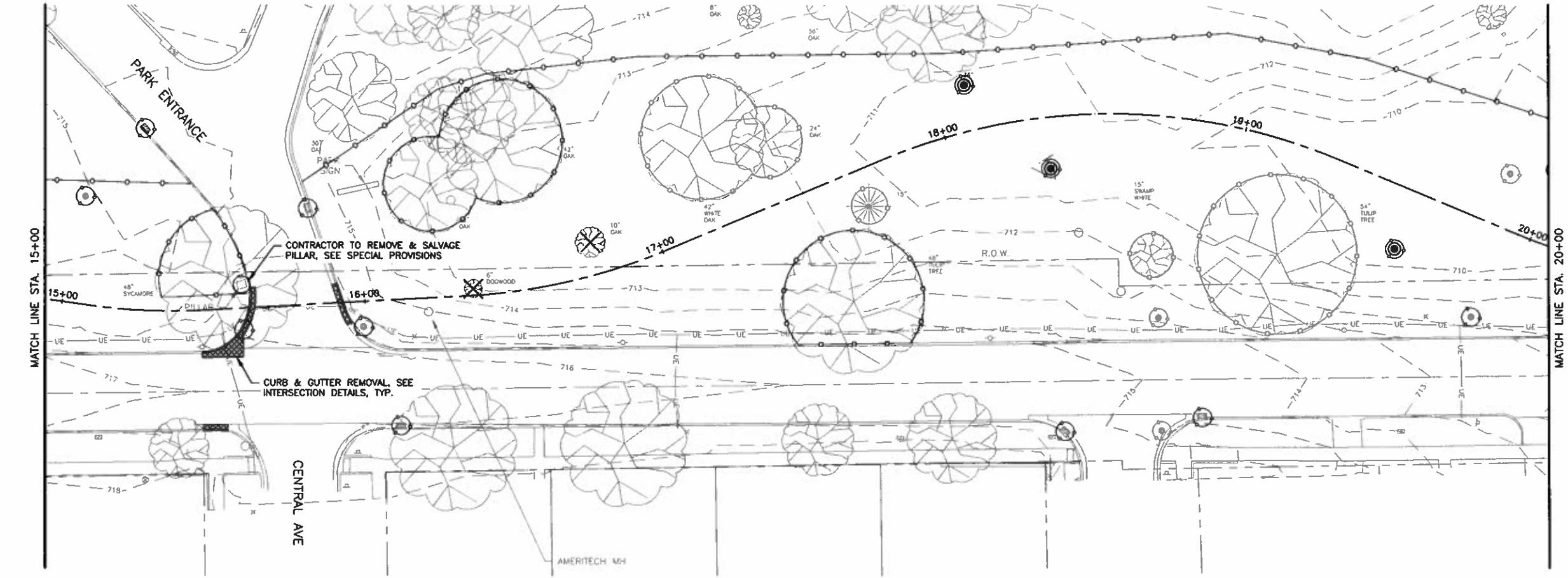
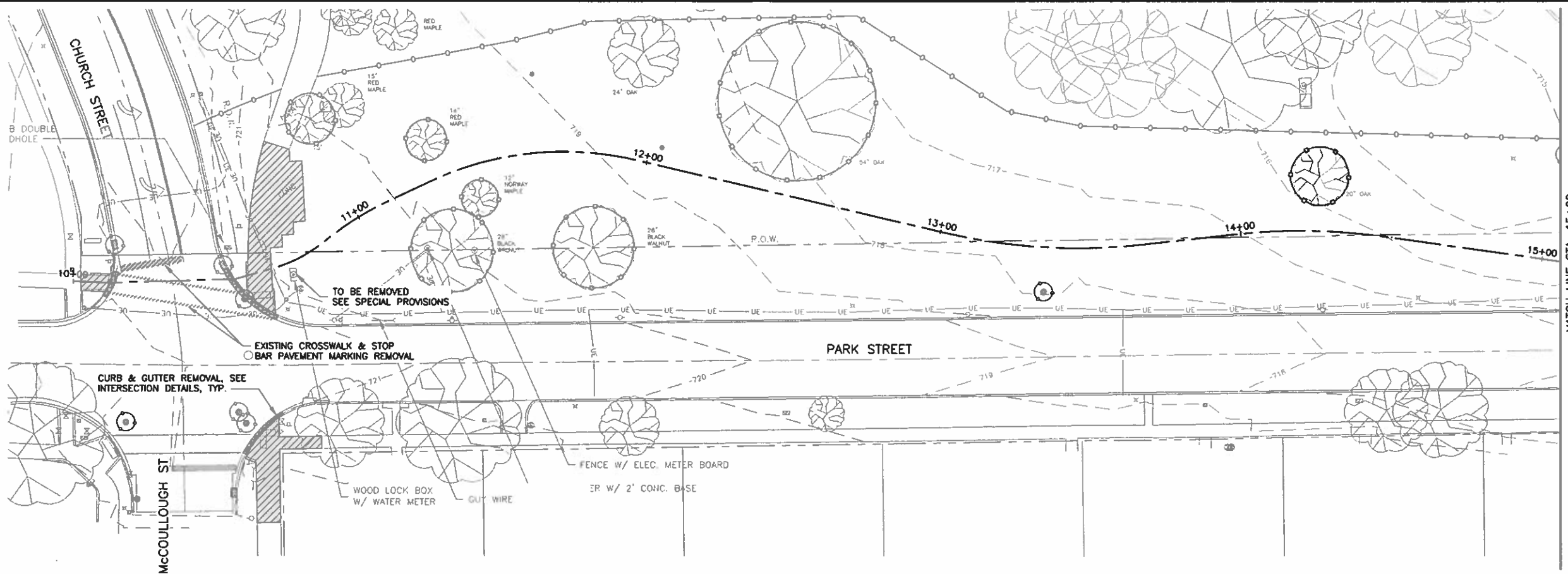
SHEET NUMBER:  
10 of 35



SCALE  
 HOR 0 20 40  
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**LEGEND**

- SIDEWALK REMOVAL
- PAVEMENT & CURB & GUTTER REMOVAL
- INLET FILTER
- PERIMETER EROSION BARRIER
- TREE REMOVAL
- TREE PROTECTION



**FEHR GRAHAM**  
 ENGINEERING & ENVIRONMENTAL  
 ILLINOIS DESIGN FIRM NO. 184-003925

ILLINOIS  
 IOWA  
 WISCONSIN

OWNER/DEVELOPER:  
 URBANA PARK DISTRICT  
 1011 KERR AVENUE  
 URBANA, ILLINOIS 61802

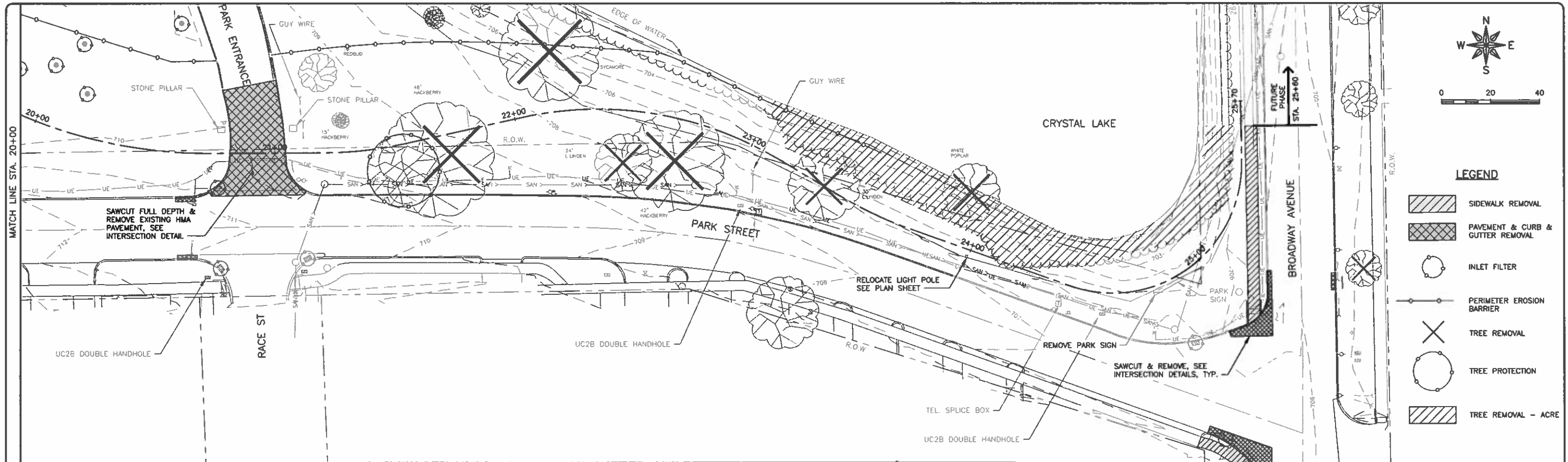
PROJECT AND LOCATION:  
 URBANA PARK DISTRICT  
 CRYSTAL LAKE SHARED USE PATH  
 URBANA, ILLINOIS  
 CONTRACT NO. 91576

DRAWN BY: RLT  
 APPROVED BY: WRW  
 DATE: 7/6/18

| REVISIONS |                                |        |
|-----------|--------------------------------|--------|
| REV. NO.  | DESCRIPTION                    | DATE   |
| 1         | PER IDOT/CITY OF URBANA REVIEW | 8/8/18 |
|           |                                |        |
|           |                                |        |

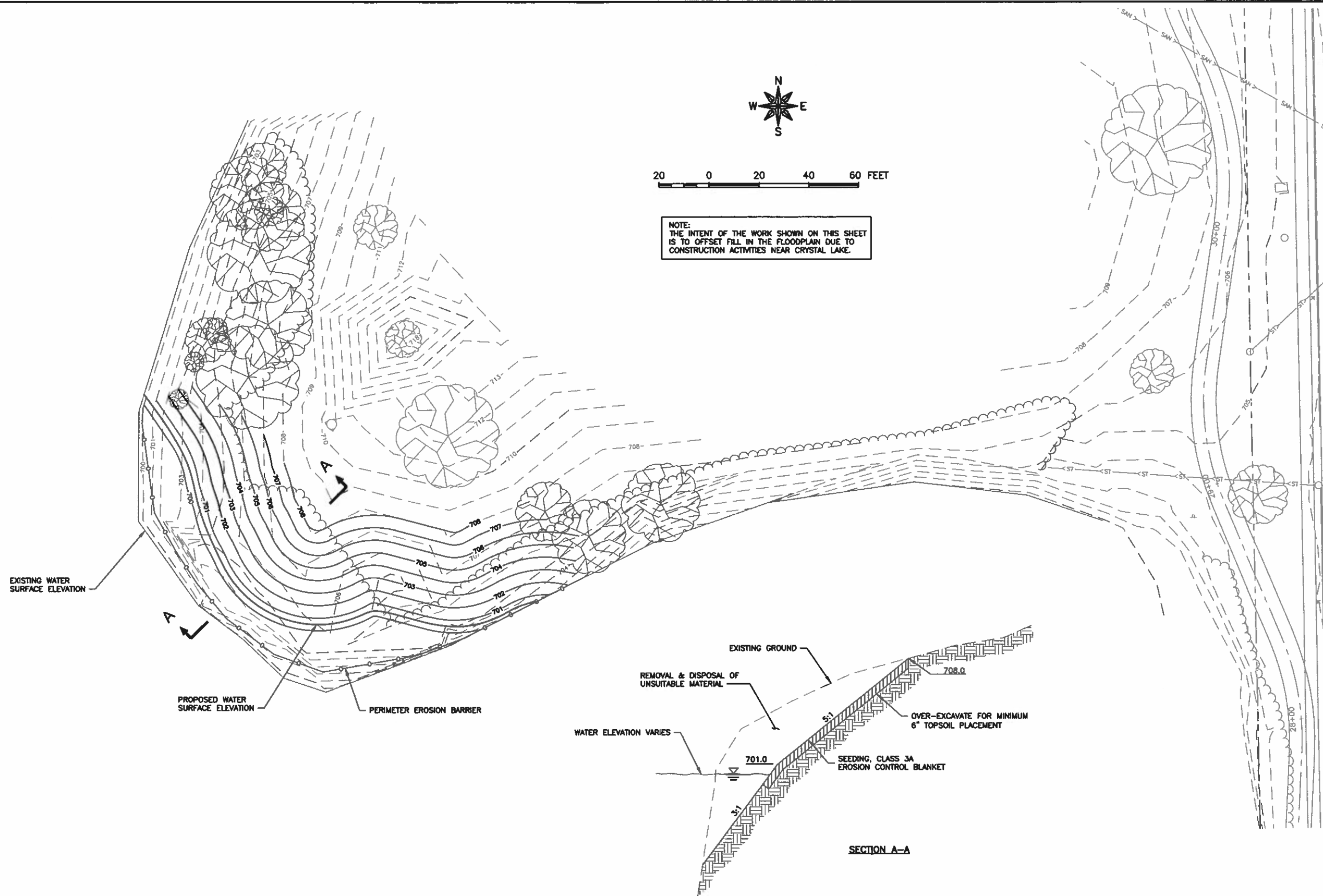
DRAWING:  
 REMOVAL & SWPP PLAN

JOB NUMBER:  
 17-641  
 SHEET NUMBER:  
 11 of 35

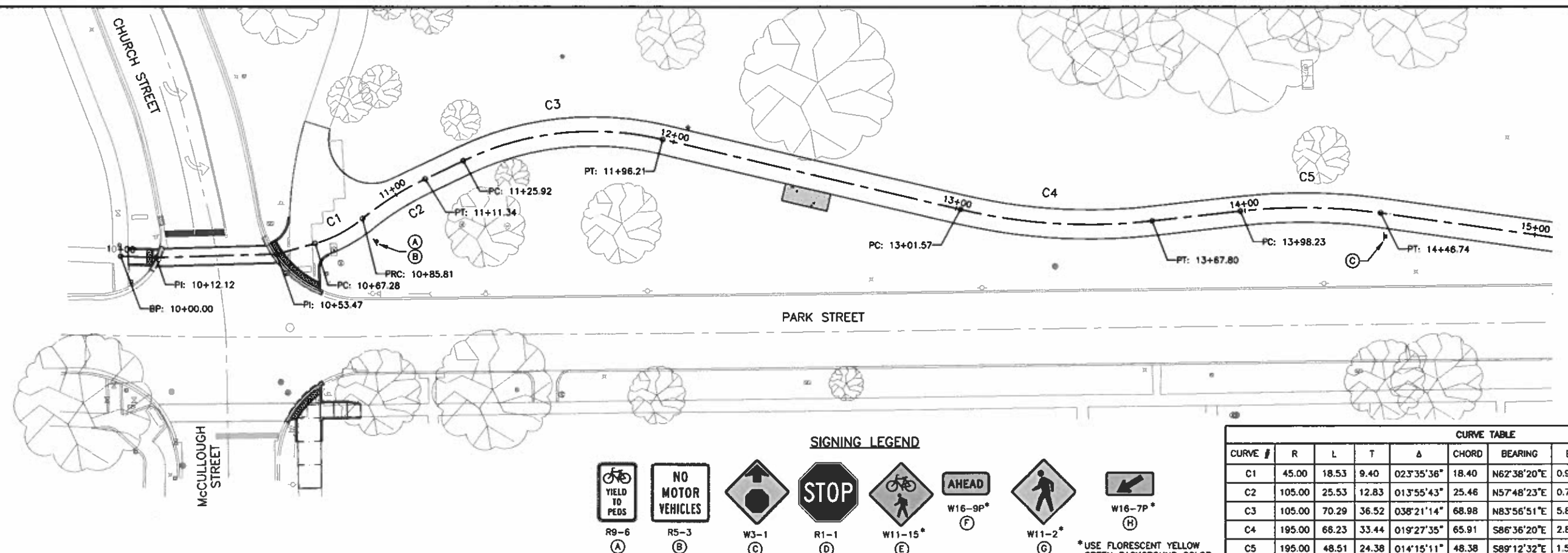
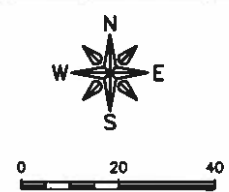


**LEGEND**

- SIDEWALK REMOVAL
- PAVEMENT & CURB & GUTTER REMOVAL
- INLET FILTER
- PERIMETER EROSION BARRIER
- TREE REMOVAL
- TREE PROTECTION
- TREE REMOVAL - ACRE



| REVISIONS |                                |        |
|-----------|--------------------------------|--------|
| REV. NO.  | DESCRIPTION                    | DATE   |
| 1         | PER EDOT/CITY OF URBANA REVIEW | 6/8/18 |
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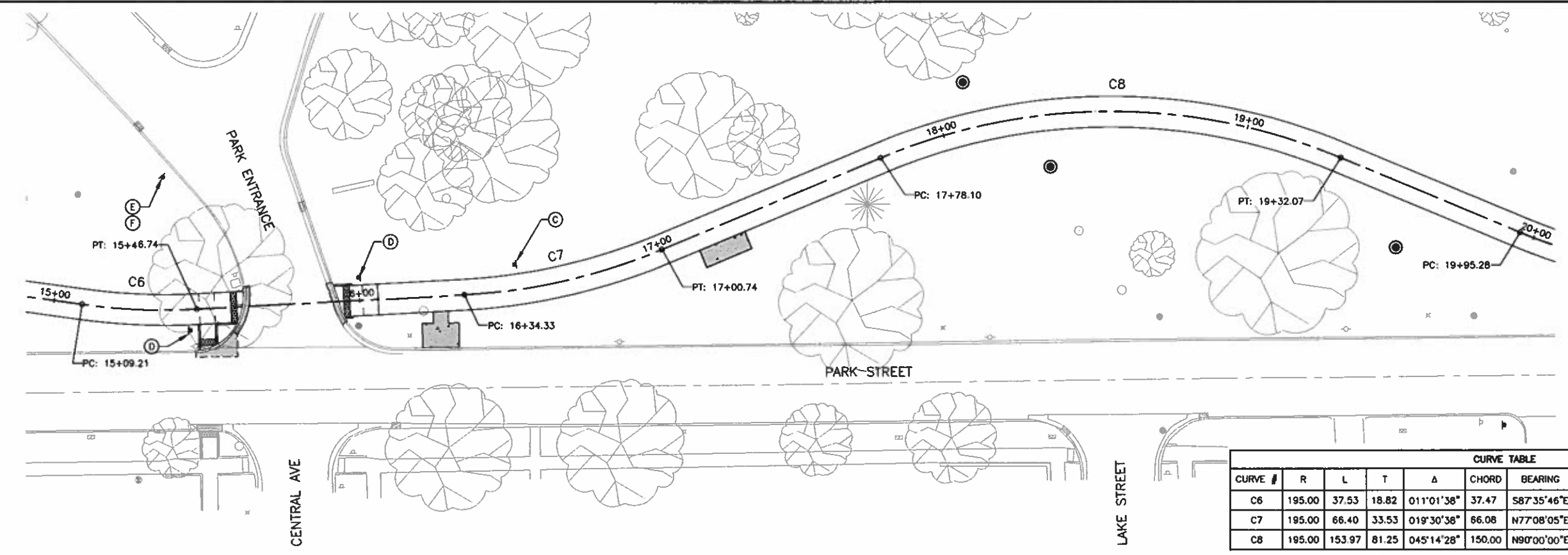


**SIGNING LEGEND**

(A) (B) (C) (D) (E) (F) (G) (H)

\* USE FLORESCENT YELLOW GREEN BACKGROUND COLOR

| CURVE TABLE |        |       |       |             |       |             |      |          |          |          |
|-------------|--------|-------|-------|-------------|-------|-------------|------|----------|----------|----------|
| CURVE #     | R      | L     | T     | Δ           | CHORD | BEARING     | E    | PC STA   | PI STA   | PT STA   |
| C1          | 45.00  | 18.53 | 9.40  | 02°3'35"36" | 18.40 | N62°38'20"E | 0.95 | 10+67.28 | 10+76.68 | 10+85.81 |
| C2          | 105.00 | 25.53 | 12.83 | 01°3'55"43" | 25.46 | N57°48'23"E | 0.77 | 10+85.81 | 10+98.64 | 11+11.34 |
| C3          | 105.00 | 70.29 | 36.52 | 038°21'14"  | 68.98 | N83°56'51"E | 5.83 | 11+25.92 | 11+62.44 | 11+96.21 |
| C4          | 195.00 | 66.23 | 33.44 | 019°27'35"  | 65.91 | S86°36'20"E | 2.80 | 13+01.57 | 13+35.01 | 13+67.80 |
| C5          | 195.00 | 48.51 | 24.38 | 014°15'11"  | 48.38 | S89°12'32"E | 1.51 | 13+98.23 | 14+22.61 | 14+46.74 |



| CURVE TABLE |        |        |       |            |        |             |       |          |          |          |
|-------------|--------|--------|-------|------------|--------|-------------|-------|----------|----------|----------|
| CURVE #     | R      | L      | T     | Δ          | CHORD  | BEARING     | E     | PC STA   | PI STA   | PT STA   |
| C6          | 195.00 | 37.53  | 18.82 | 011°01'38" | 37.47  | S87°35'46"E | 0.90  | 15+09.21 | 15+28.03 | 15+46.74 |
| C7          | 195.00 | 66.40  | 33.53 | 019°30'38" | 66.08  | N77°08'05"E | 2.82  | 16+34.33 | 16+67.86 | 17+00.74 |
| C8          | 195.00 | 153.97 | 81.25 | 045°14'28" | 150.00 | N90°00'00"E | 15.00 | 17+78.10 | 18+59.35 | 19+32.07 |

**FEHR GRAHAM**  
ENGINEERING & ENVIRONMENTAL  
ILLINOIS DESIGN FIRM NO. 184-003525  
FLY DATE: 8/6/18 © 2017 FEHR GRAHAM

ILLINOIS  
IOWA  
WISCONSIN

OWNER/DEVELOPER:  
URBANA PARK DISTRICT  
1011 KERR AVENUE  
URBANA, ILLINOIS 61802

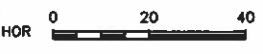
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URBANA PARK DISTRICT  
CRYSTAL LAKE SHARED USE PATH  
URBANA, ILLINOIS  
CONTRACT NO. 91576

DRAWN BY: RLT  
APPROVED BY: WRW  
DATE: 7/6/18

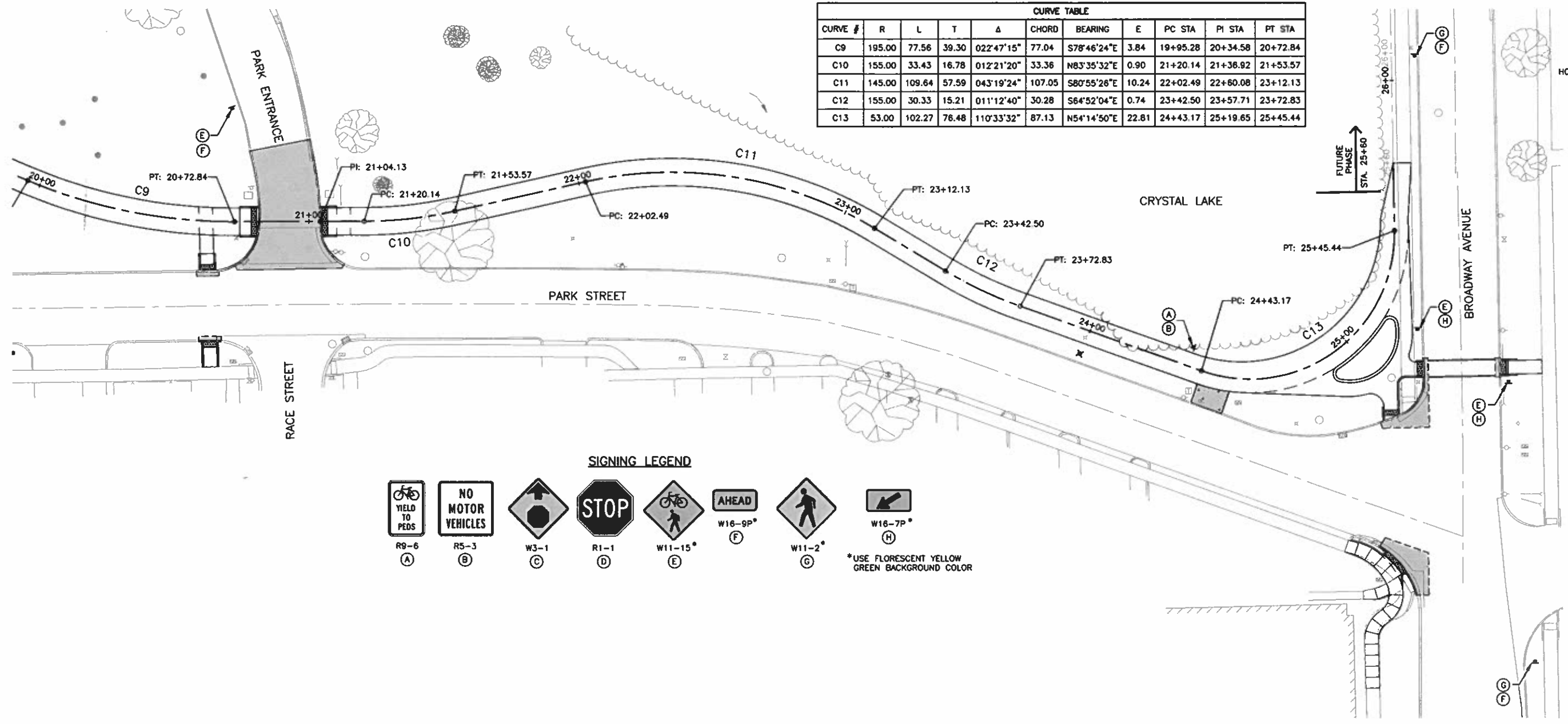
| REVISIONS |                                |        |
|-----------|--------------------------------|--------|
| REV. NO.  | DESCRIPTION                    | DATE   |
| 1         | PER IDOT/CITY OF URBANA REVIEW | 8/8/18 |

DRAWING:  
HORIZONTAL CONTROL & SIGNAGE PLAN  
©\C30\17\17-641\Plan\17-641 05 Horizontal Control.dwg, 17-641 05 Horizontal Control - 04

JOB NUMBER:  
17-641  
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| CURVE TABLE |        |        |       |            |        |             |       |          |          |          |
|-------------|--------|--------|-------|------------|--------|-------------|-------|----------|----------|----------|
| CURVE #     | R      | L      | T     | Δ          | CHORD  | BEARING     | E     | PC STA   | PI STA   | PT STA   |
| C9          | 195.00 | 77.56  | 39.30 | 022°47'15" | 77.04  | S78°46'24"E | 3.84  | 19+95.28 | 20+34.58 | 20+72.84 |
| C10         | 155.00 | 33.43  | 16.78 | 012°21'20" | 33.36  | N83°35'32"E | 0.90  | 21+20.14 | 21+36.92 | 21+53.57 |
| C11         | 145.00 | 109.64 | 57.59 | 043°19'24" | 107.05 | S80°55'26"E | 10.24 | 22+02.49 | 22+60.08 | 23+12.13 |
| C12         | 155.00 | 30.33  | 15.21 | 011°12'40" | 30.28  | S64°52'04"E | 0.74  | 23+42.50 | 23+57.71 | 23+72.83 |
| C13         | 53.00  | 102.27 | 76.48 | 110°33'32" | 87.13  | N54°14'50"E | 22.81 | 24+43.17 | 25+19.65 | 25+45.44 |



**SIGNING LEGEND**

- R9-6  
A
  - R5-3  
B
  - W3-1  
C
  - R1-1  
D
  - W11-15\*  
E
  - W16-9P\*  
F
  - W11-2\*  
G
  - W16-7P\*  
H
- \*USE FLORESCENT YELLOW GREEN BACKGROUND COLOR

**FEHR GRAHAM**  
ENGINEERING & ENVIRONMENTAL  
ILLINOIS DESIGN FIRM NO. 184-003525

ILLINOIS  
IOWA  
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OWNER/DEVELOPER:  
URBANA PARK DISTRICT  
1011 KERR AVENUE  
URBANA, ILLINOIS 61802

PROJECT AND LOCATION:  
URBANA PARK DISTRICT  
CRYSTAL LAKE SHARED USE PATH  
URBANA, ILLINOIS  
CONTRACT NO. 91576

DRAWN BY: RLT  
APPROVED BY: WRW  
DATE: 7/6/18

| REVISIONS |                                |        |
|-----------|--------------------------------|--------|
| REV. NO.  | DESCRIPTION                    | DATE   |
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DRAWING:  
HORIZONTAL CONTROL & SIGNAGE PLAN

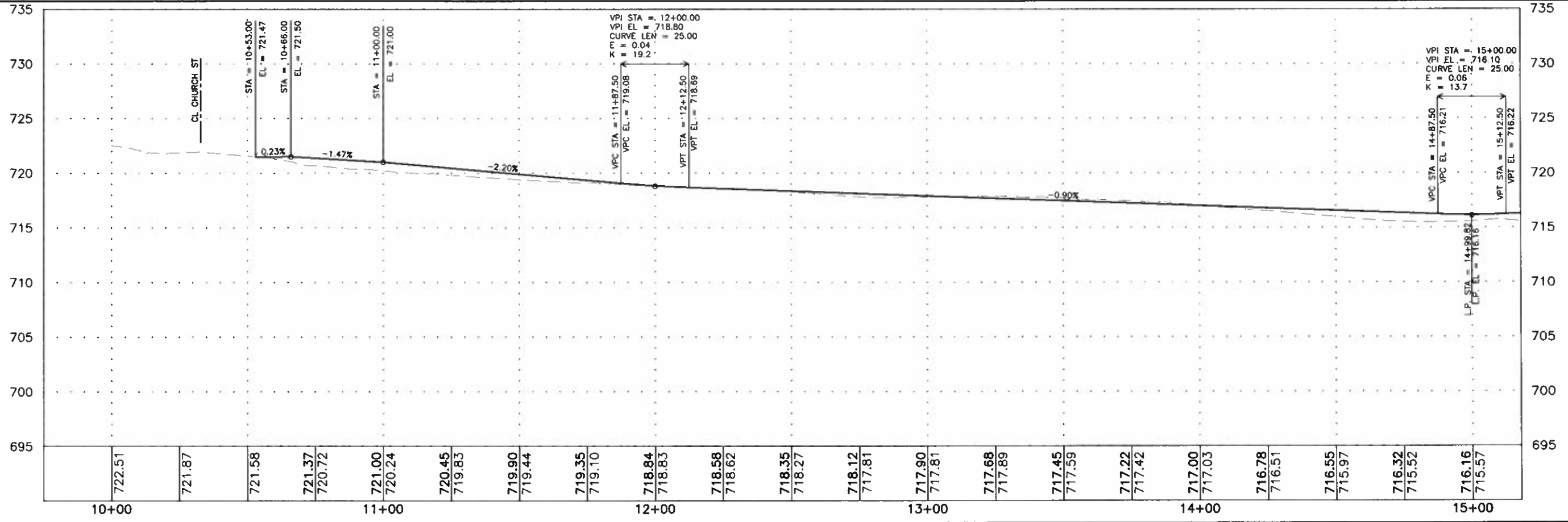
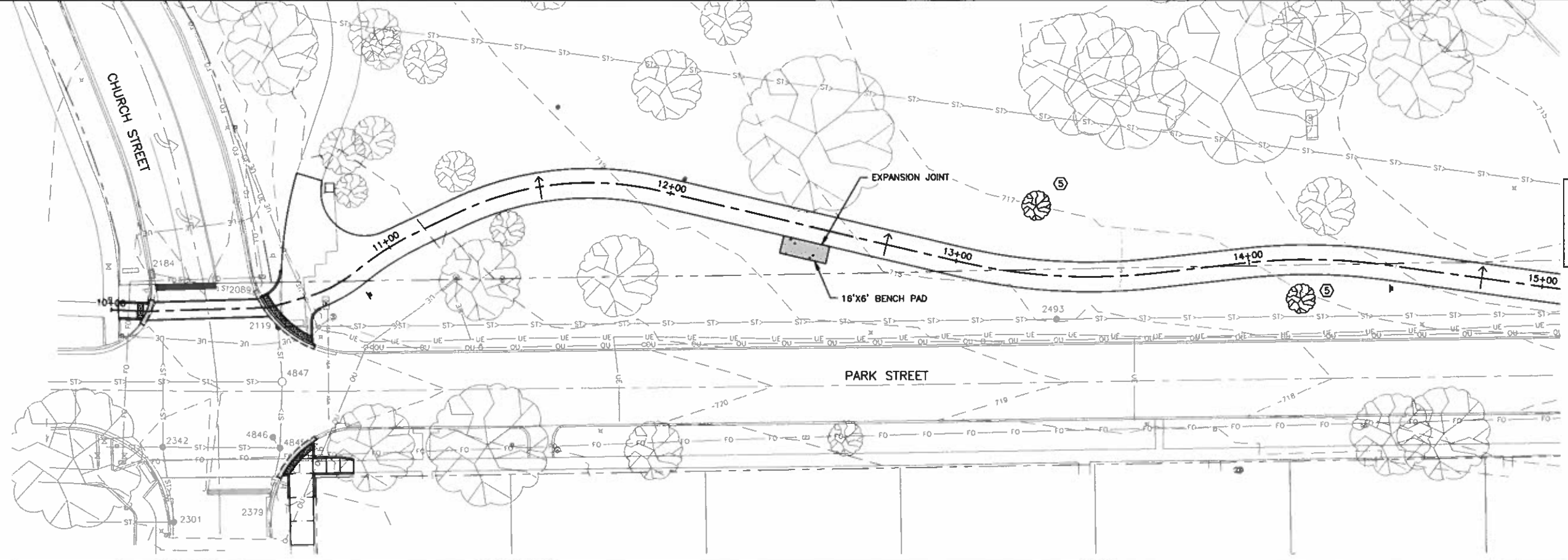
JOB NUMBER:  
17-641  
SHEET NUMBER:  
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NOTE:  
 MTD AND BENCH PADS SHOWN SHALL BE  
 CONSTRUCTED USING THE SAME TYPICAL  
 SECTION SHOWN FOR PCC SIDEWALK.  
 PADS SHALL NOT EXCEED 2% IN ANY  
 DIRECTION. CONTRACTOR SHALL SUBMIT  
 SHOP DRAWINGS FOR JOINTING PATTERNS  
 FOR APPROVAL BY THE ENGINEER.

**TREE LEGEND**

- ① REDBUD
- ② SYCAMORE
- ③ HACKBERRY
- ④ BUR OAK
- ⑤ WHITE OAK



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 DATE: 7/6/18

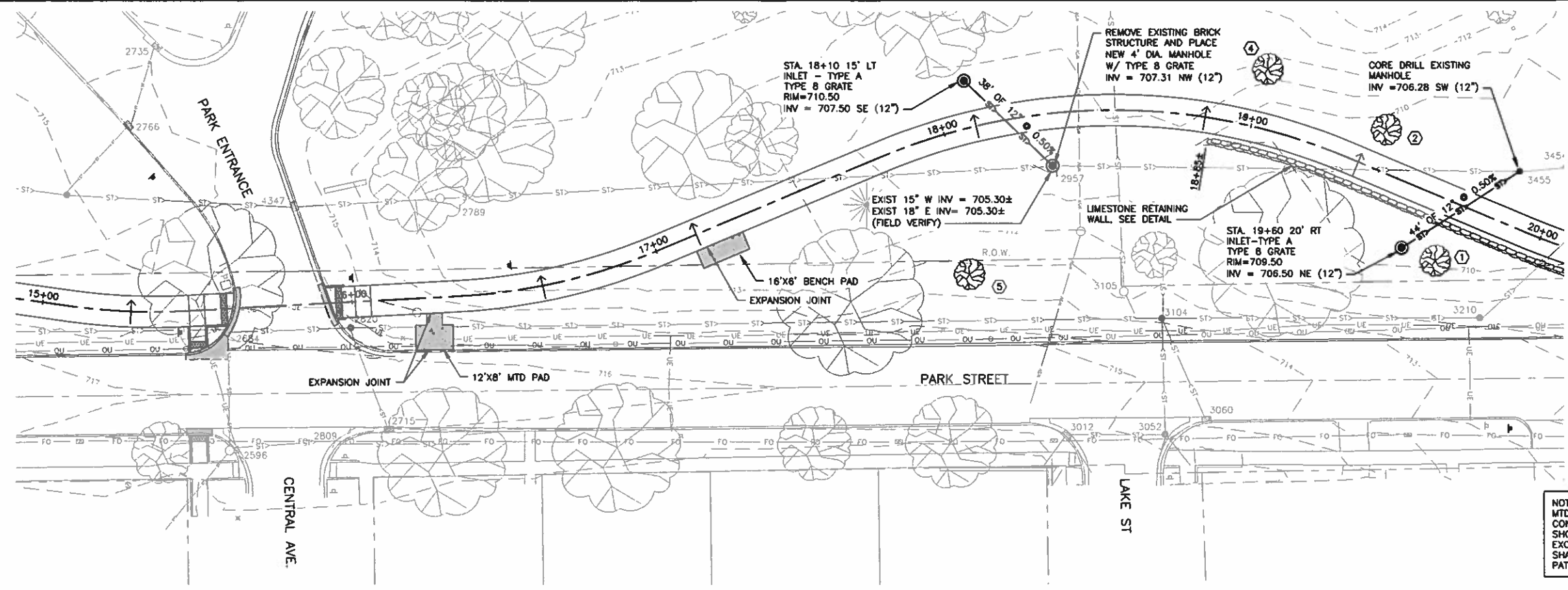
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| 1         | PER IDOT/CITY OF URBANA REVIEW | 8/8/18 |

DRAWING:  
**PLAN & PROFILE**

JOB NUMBER:  
 17-641

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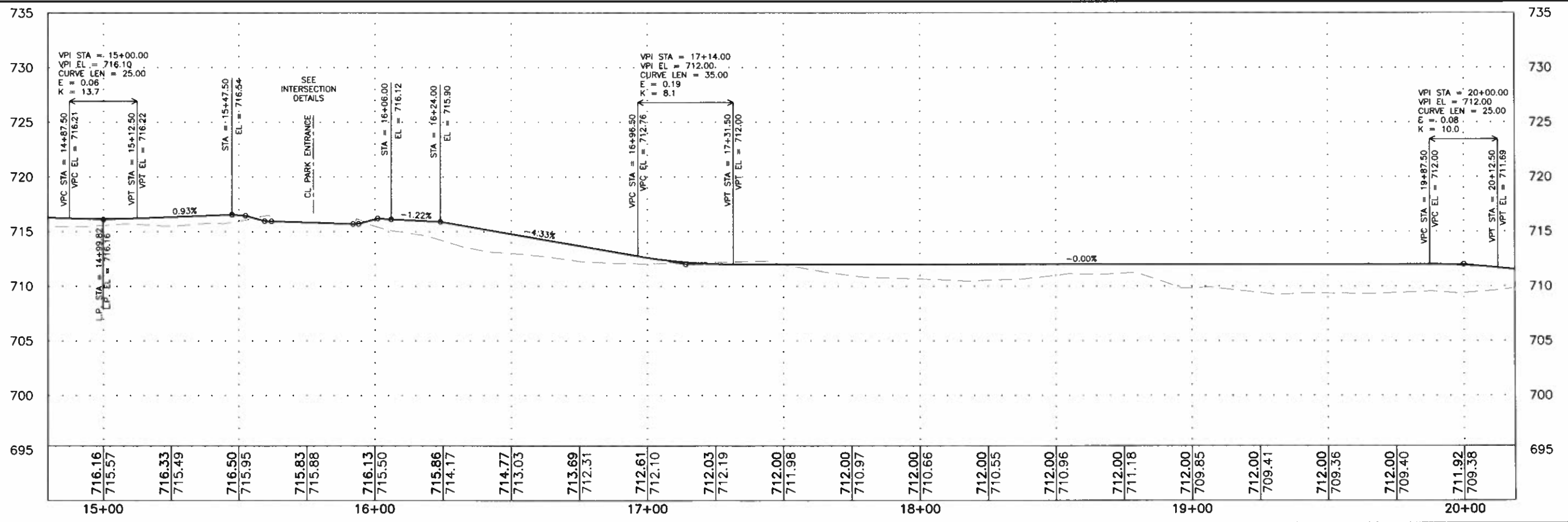




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- TREE LEGEND**
- ① REDBUD
  - ② SYCAMORE
  - ③ HACKBERRY
  - ④ BUR OAK
  - ⑤ WHITE OAK

**NOTE:**  
 MTD AND BENCH PADS SHOWN SHALL BE CONSTRUCTED USING THE SAME TYPICAL SECTION SHOWN FOR PCC SIDEWALK. PADS SHALL NOT EXCEED 2% IN ANY DIRECTION. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR JOINTING PATTERNS FOR APPROVAL BY THE ENGINEER.



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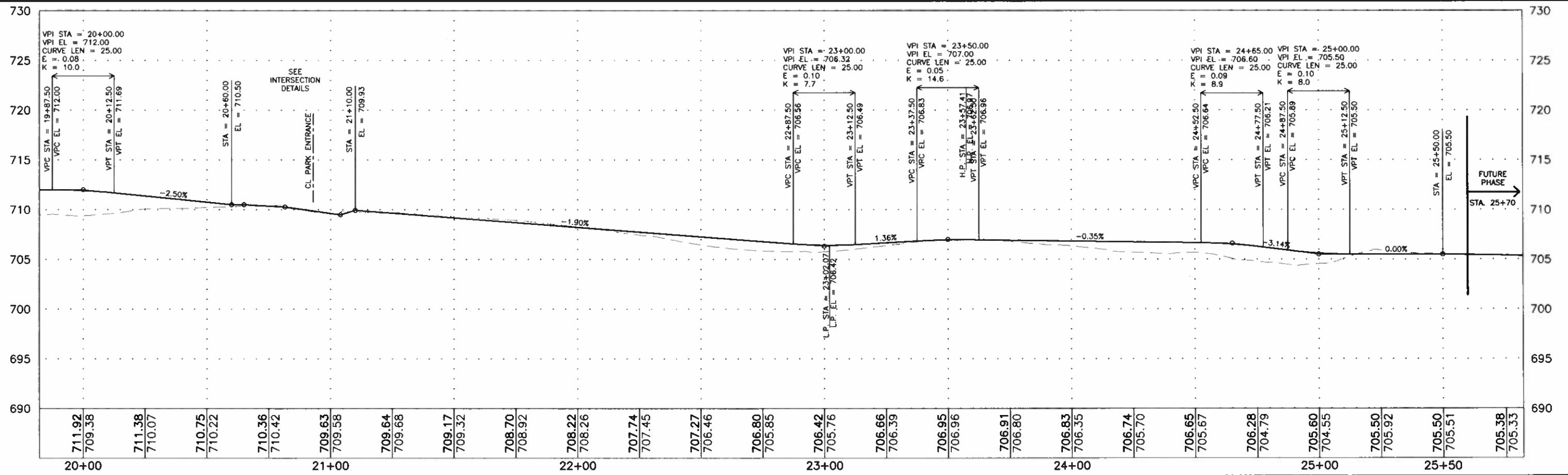
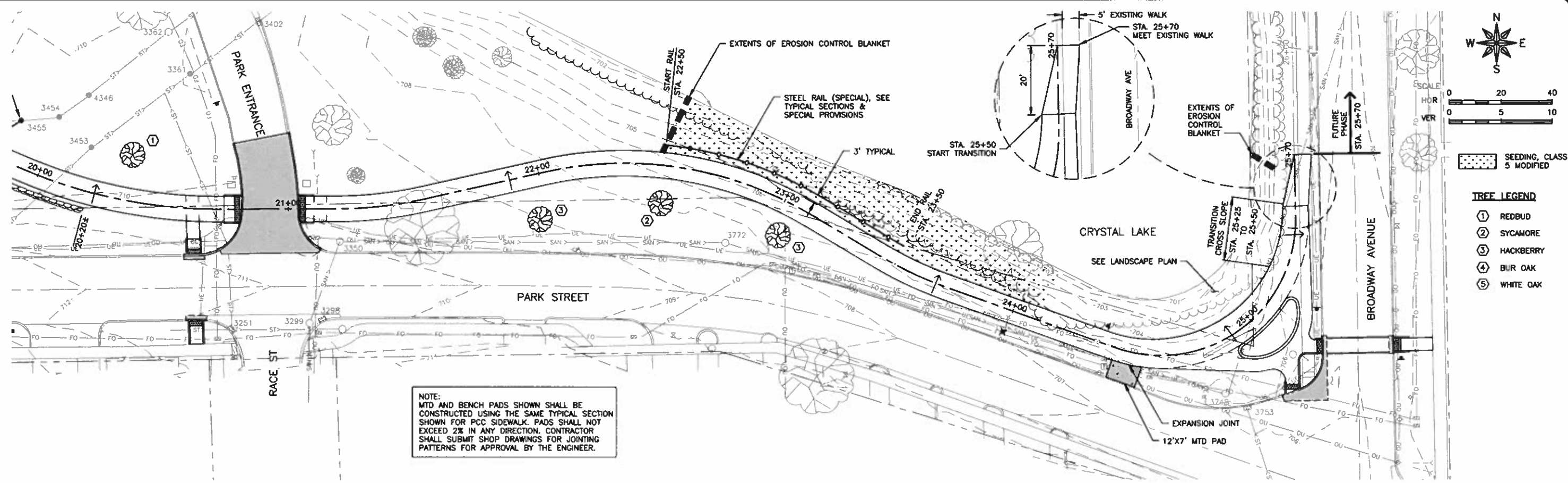
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**APPROVED BY:** WRW  
**DATE:** 7/6/18

| REVISIONS |                                |        |
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| REV. NO.  | DESCRIPTION                    | DATE   |
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**DRAWING:**  
 PLAN & PROFILE

**JOB NUMBER:**  
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**SHEET NUMBER:**  
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**FEHR GRAHAM**  
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ILLINOIS  
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**OWNER/DEVELOPER:**  
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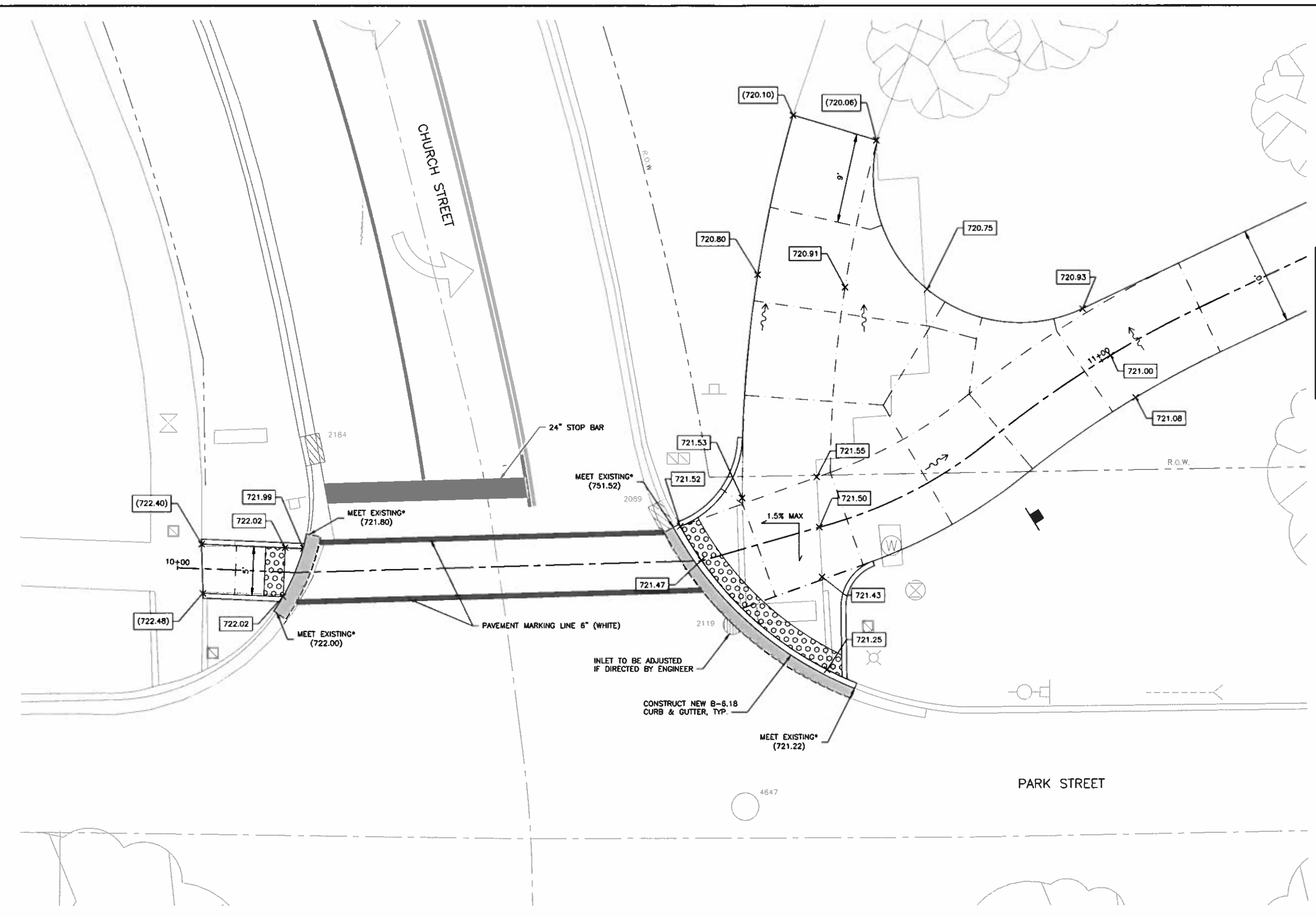
**DRAWING:**  
 PLAN & PROFILE

**JOB NUMBER:**  
 17-641  
**SHEET NUMBER:**  
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- PAVEMENT & CURB & GUTTER REPLACEMENT
- DETECTABLE WARNING

- NOTES:**
1. JOINTING PATTERNS HAVE BEEN SHOWN FOR GENERAL GUIDANCE TO THE CONTRACTOR. CONTRACTOR MAY ADJUST THE PATTERNS SHOWN BY SUBMITTING A SHOP DRAWING FOR APPROVAL BY THE ENGINEER.
  2. \* FLOWLINE ELEVATIONS SHOWN ARE APPROXIMATE AND SHALL MATCH EXISTING FLOWLINE ELEVATIONS. SOME ELEVATION ADJUSTMENTS MAY BE NECESSARY TO ASSURE POSITIVE DRAINAGE AT THE DIRECTION OF THE ENGINEER.
  3. ALL PAVEMENT REPLACEMENT SHALL BE 7" THICK OR MATCH EXISTING THICKNESS, WHICHEVER IS GREATER. TYPICAL ALL LOCATIONS.



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 URBANA, ILLINOIS 61802

PROJECT AND LOCATION:  
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 URBANA, ILLINOIS  
 CONTRACT NO. 91576

DRAWN BY: RLT  
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 DATE: 7/6/18

| REVISIONS |                                |        |
|-----------|--------------------------------|--------|
| REV. NO.  | DESCRIPTION                    | DATE   |
| 1         | PER IDOT/CITY OF URBANA REVIEW | 8/6/18 |

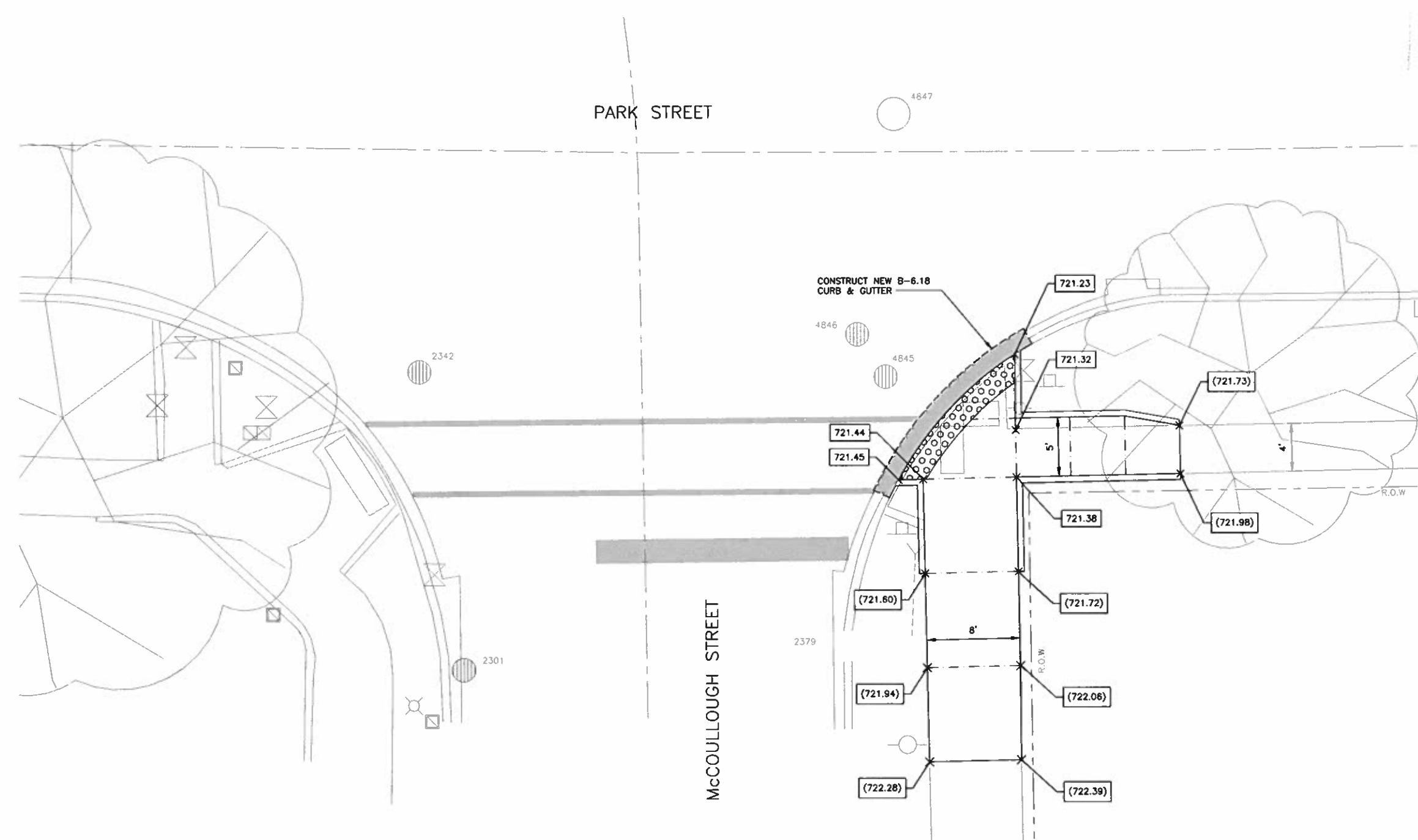
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 INTERSECTION DETAILS

JOB NUMBER:  
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 SHEET NUMBER:  
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- PAVEMENT & CURB & GUTTER REPLACEMENT
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CONTRACT NO. 91576

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| REV. NO.  | DESCRIPTION                    | DATE   |
| 1         | PER IDOT/CITY OF URBANA REVIEW | 8/8/18 |
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**DRAWING:**  
INTERSECTION DETAILS



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17-641

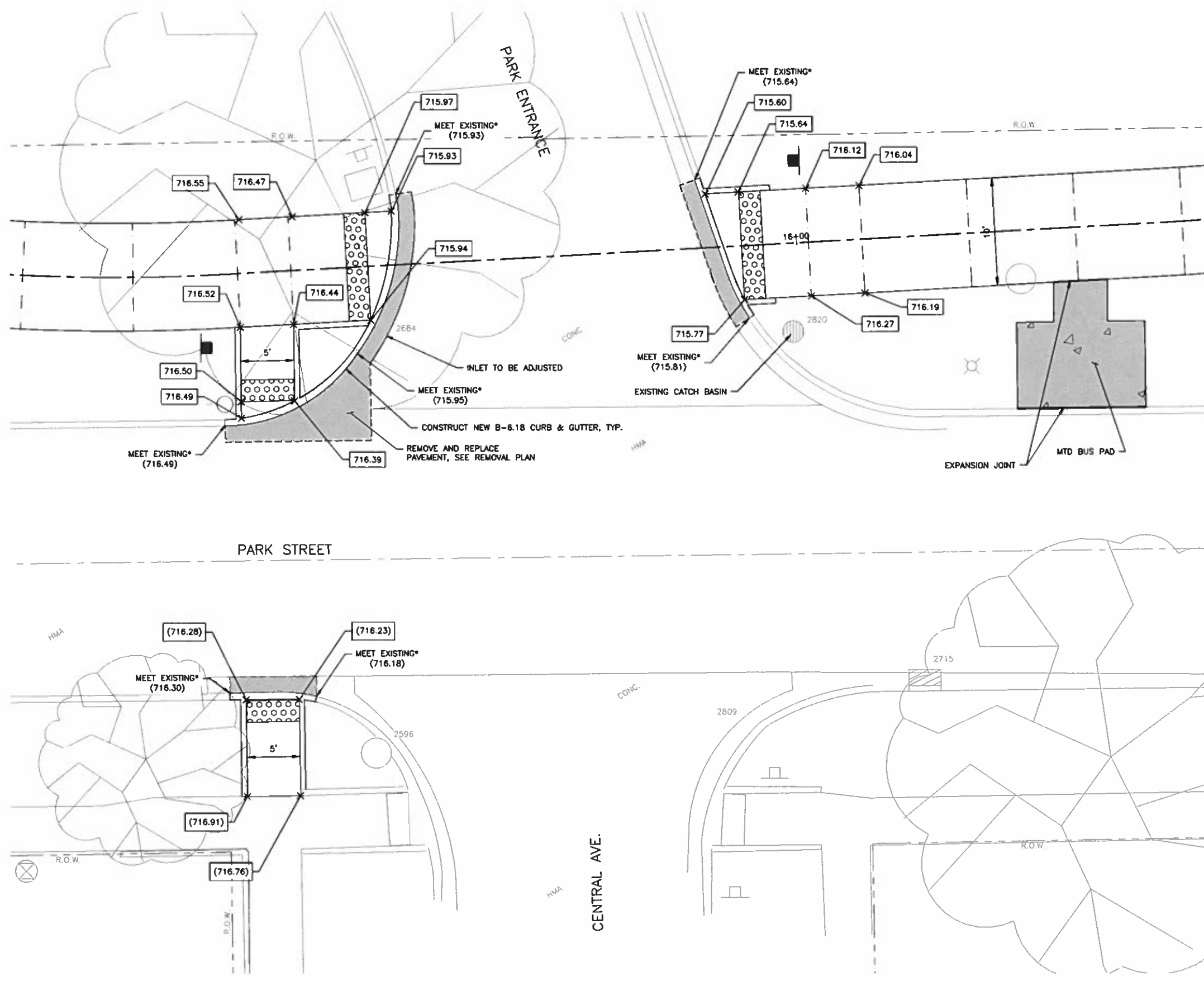
**SHEET NUMBER:**  
20 of 35



SCALE 0 5 10

-  PAVEMENT & CURB & GUTTER REPLACEMENT
-  DETECTABLE WARNING

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URBANA, ILLINOIS 61802

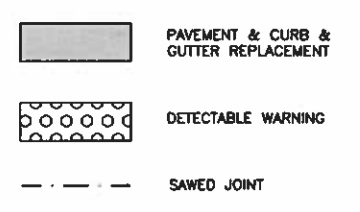
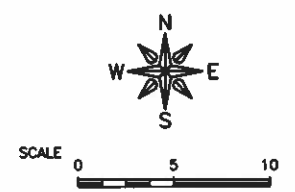
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URBANA PARK DISTRICT  
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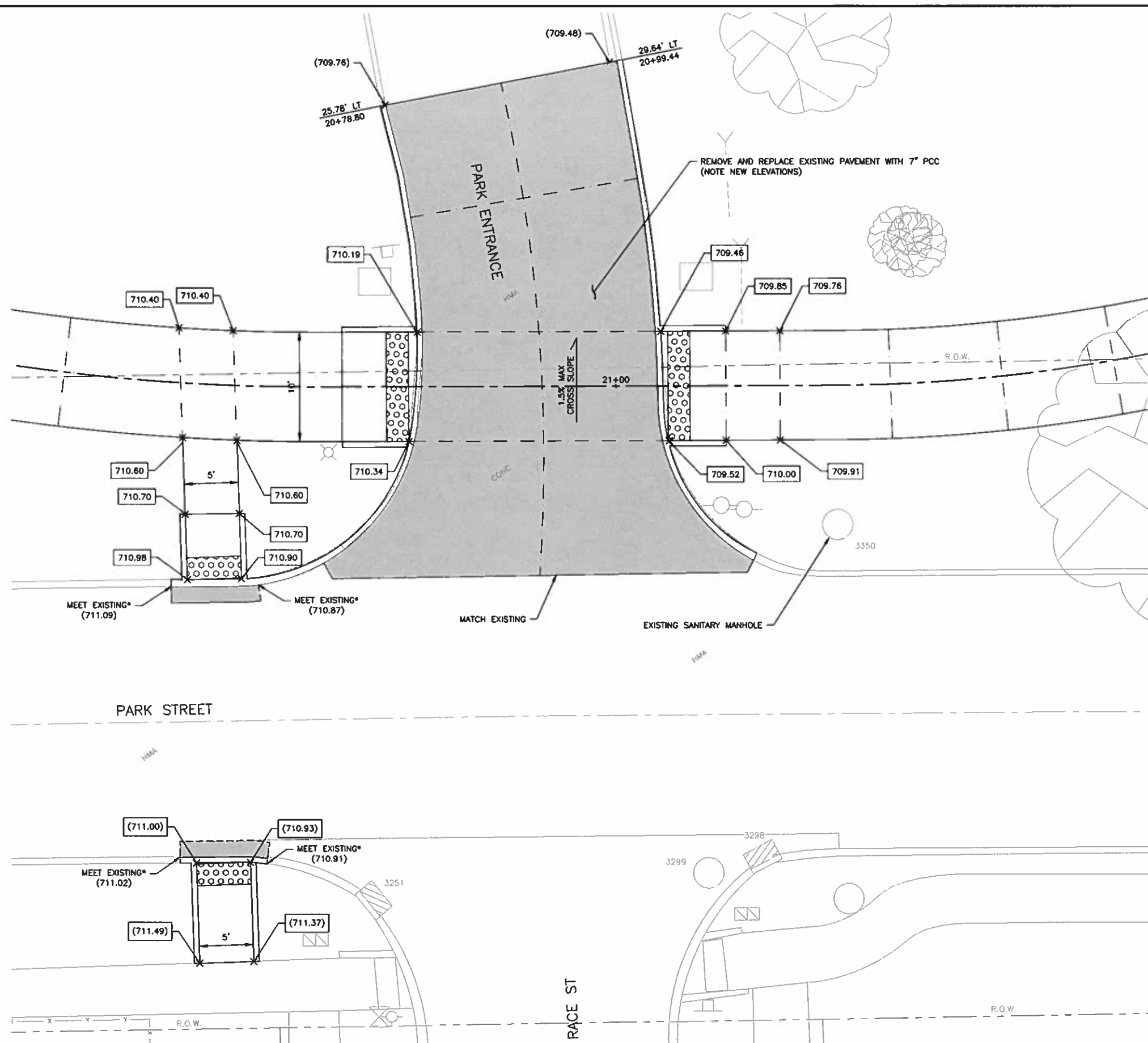
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|           |                                |        |
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DRAWING:  
INTERSECTION DETAILS

JOB NUMBER:  
17-641  
SHEET NUMBER:  
21 of 35



- NOTES:
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| REV. NO.  | DESCRIPTION                    | DATE   |
| 1         | PER IDOT/CITY OF URBANA REVIEW | 8/8/18 |
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INTERSECTION DETAILS

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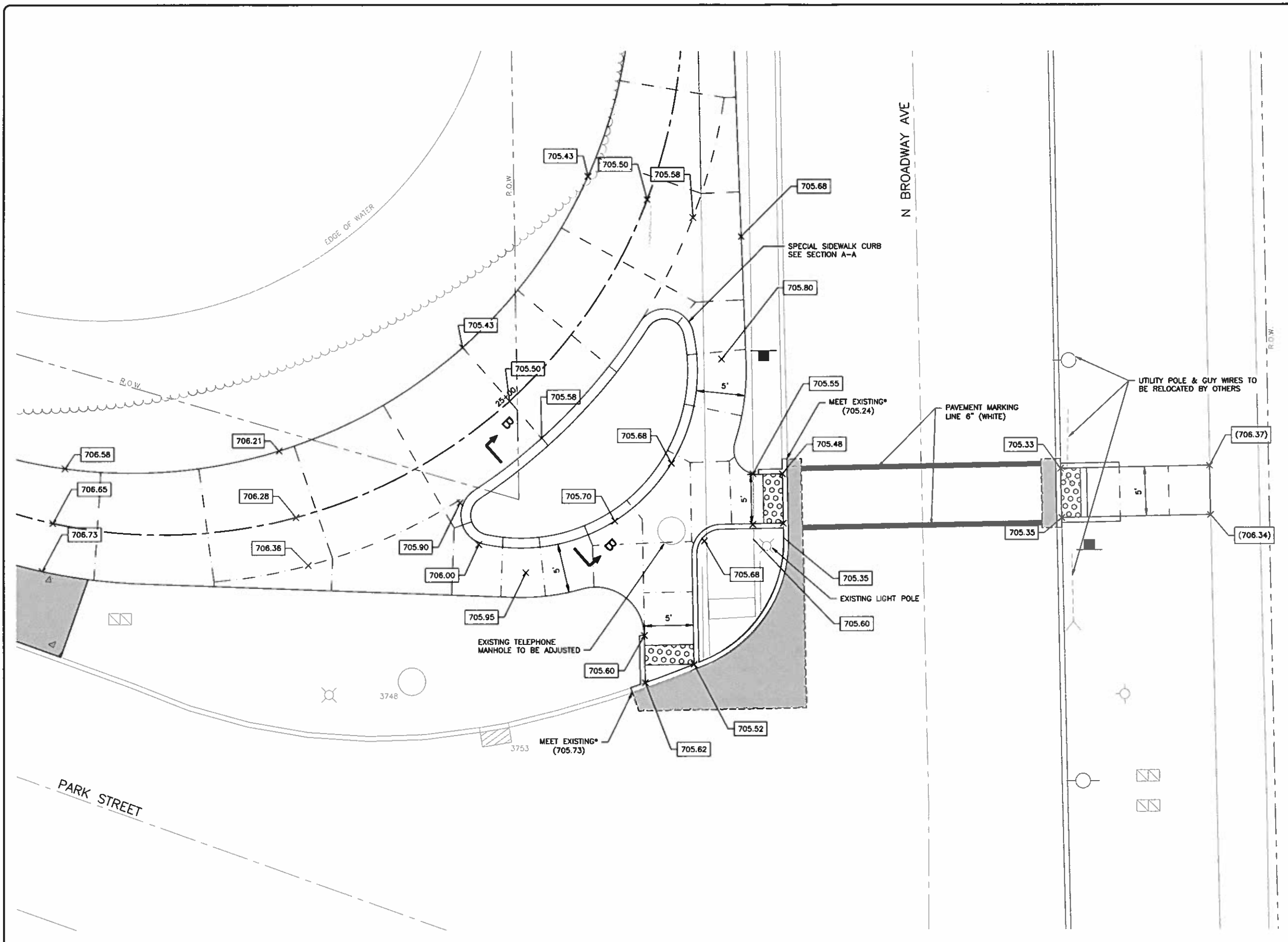
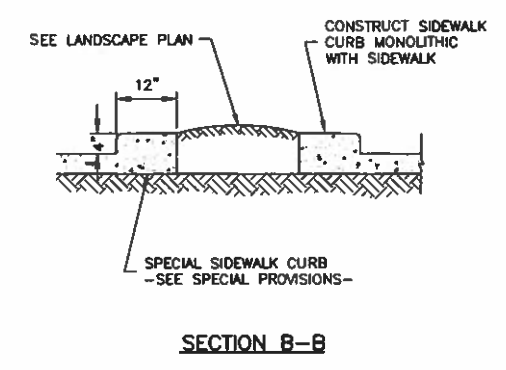
JOB NUMBER:  
17-641

SHEET NUMBER:  
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- PAVEMENT & CURB & GUTTER REPLACEMENT
- DETECTABLE WARNING

- NOTES:**
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CONTRACT NO. 91576

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| REVISIONS |                               |        |
|-----------|-------------------------------|--------|
| REV. NO.  | DESCRIPTION                   | DATE   |
| 1         | PER DOT/CITY OF URBANA REVIEW | 8/9/18 |
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DRAWING:  
**INTERSECTION DETAILS**

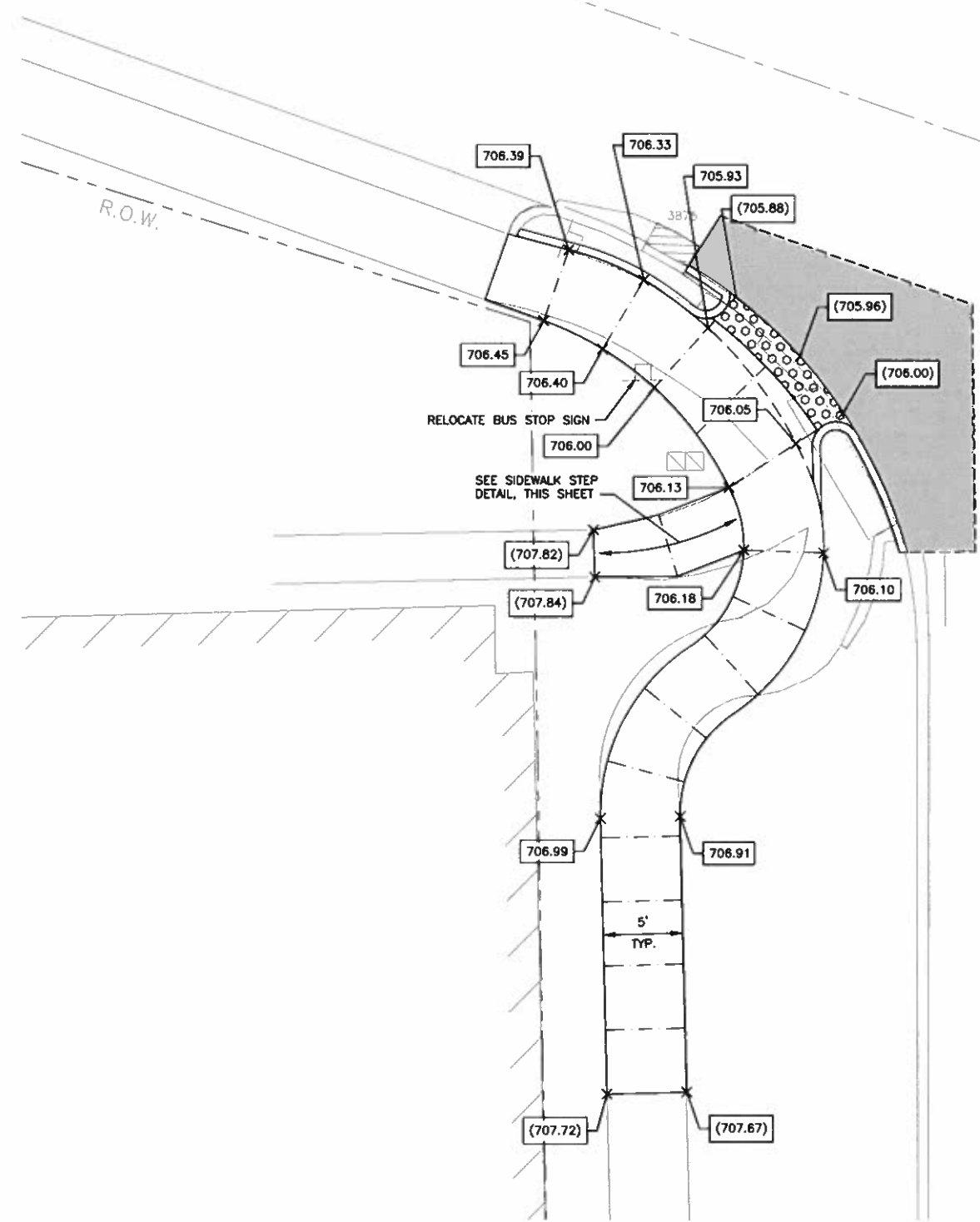
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17-641

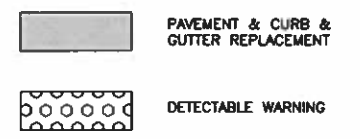
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PARK STREET

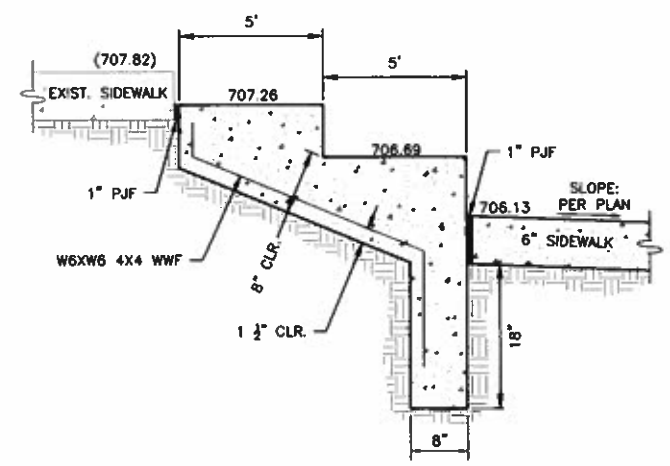
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**SIDEWALK STEPS**  
N.T.S.

NOTE: THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN 6" PCC SIDEWALK

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PROJECT AND LOCATION:  
URBANA PARK DISTRICT  
CRYSTAL LAKE SHARED USE PATH  
URBANA, ILLINOIS  
CONTRACT NO. 91576

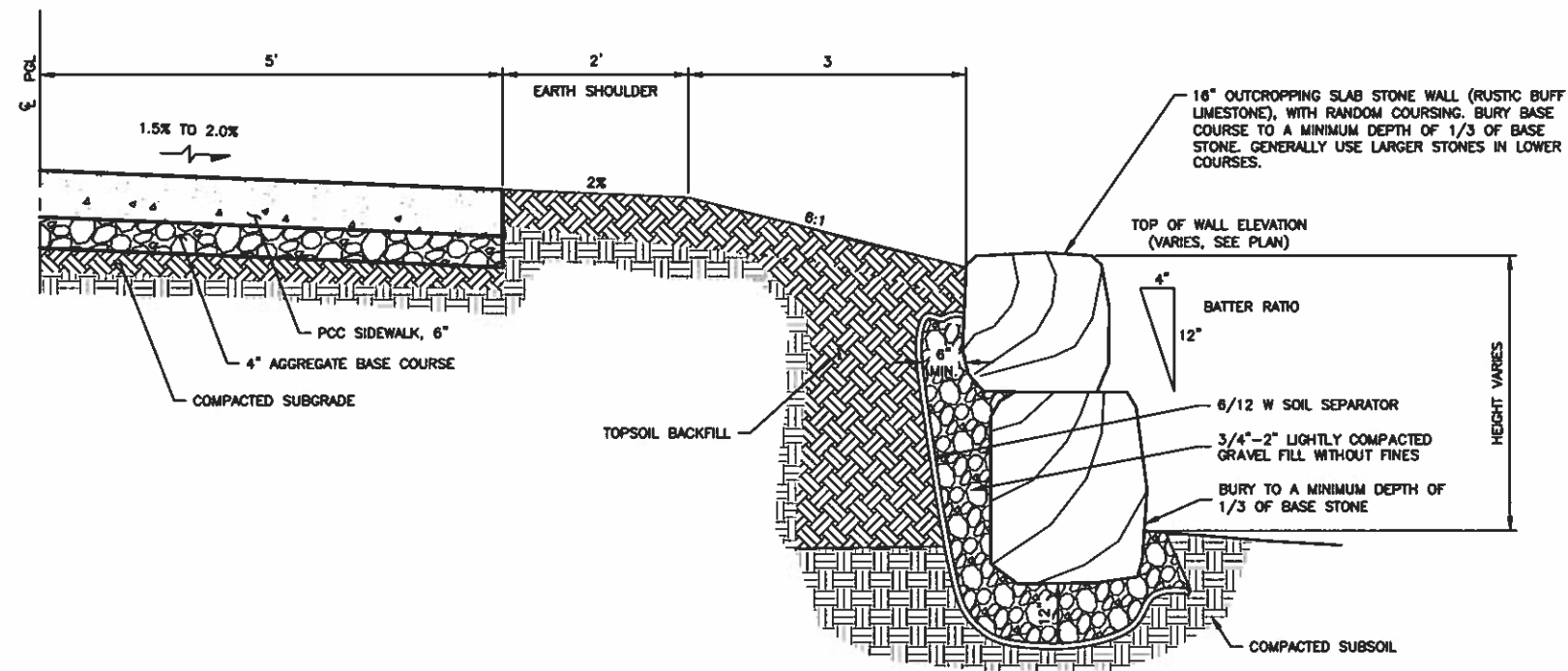
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APPROVED BY: WRW  
DATE: 7/6/18

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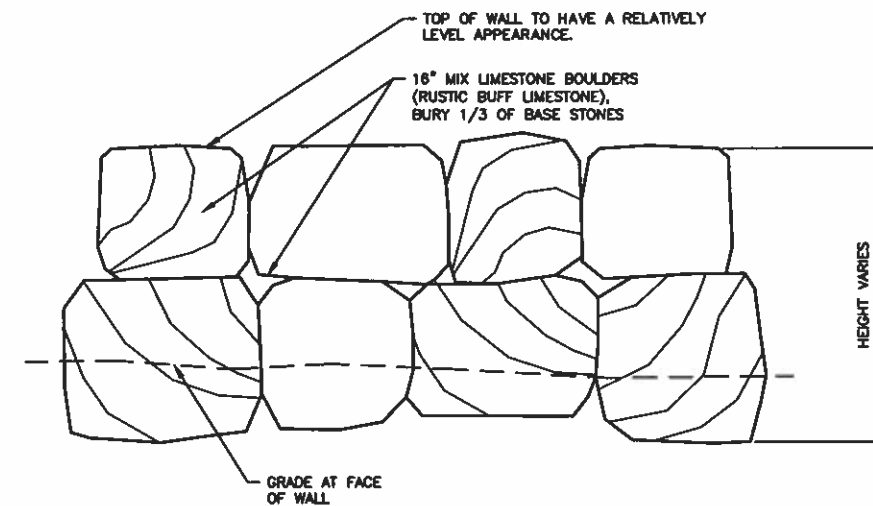
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**INTERSECTION DETAILS**

JOB NUMBER:  
17-641  
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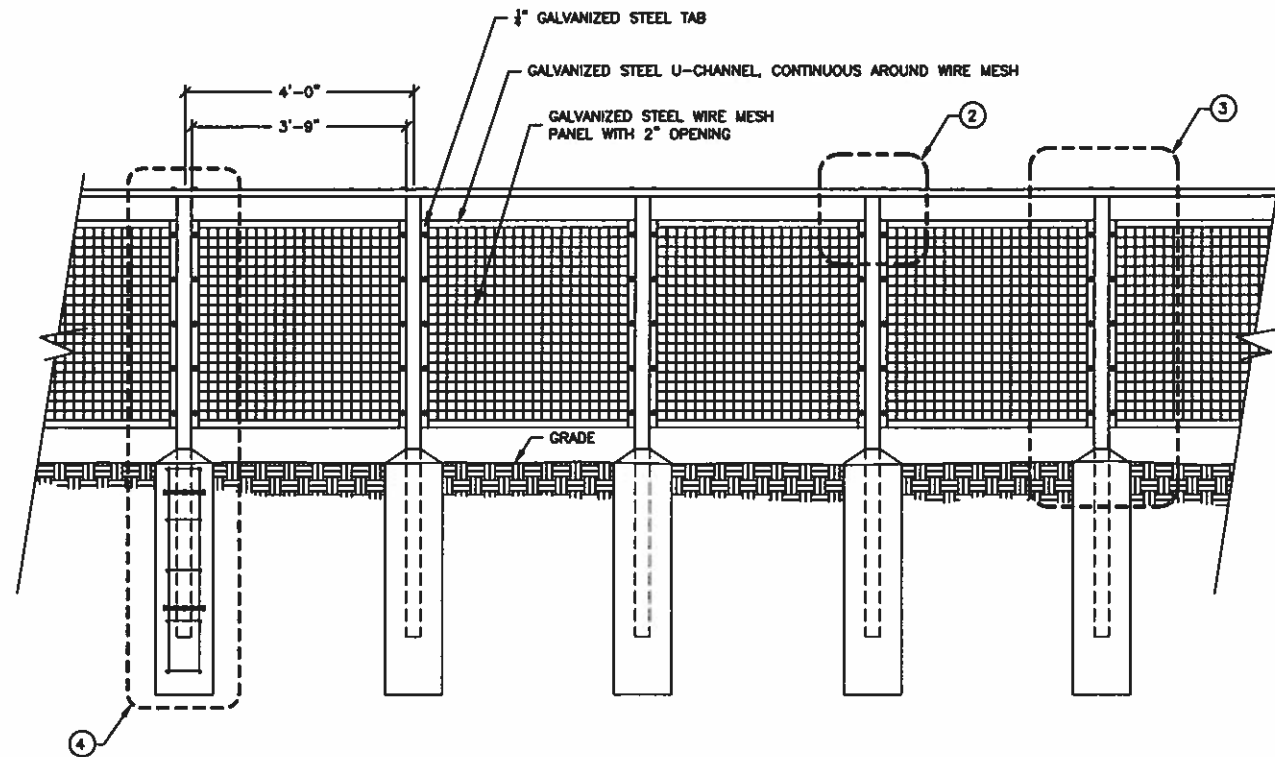
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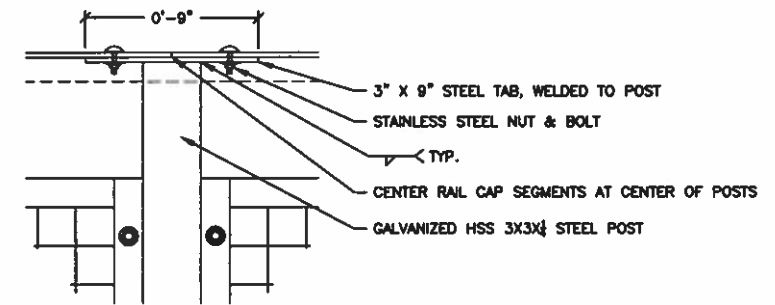
ELEVATION  
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**LIMESTONE RETAINING WALL**

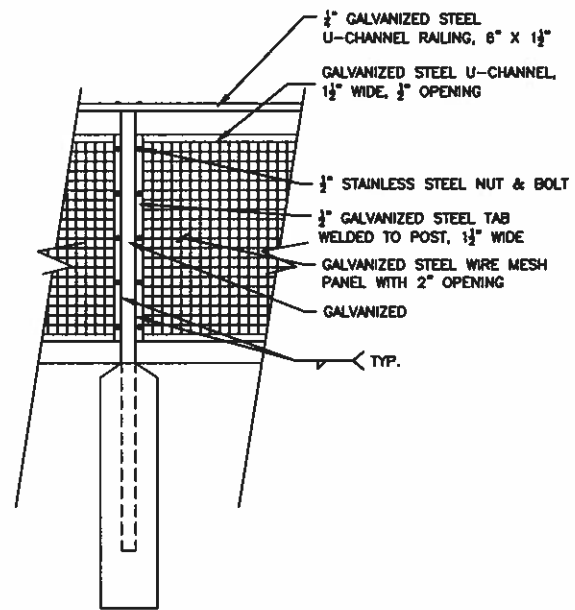
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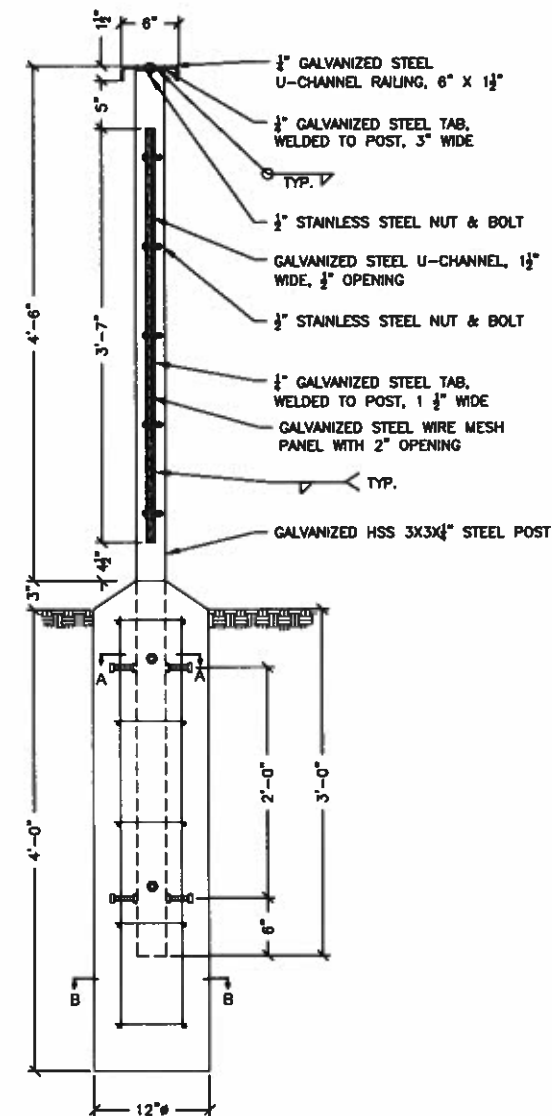
① STEEL RAILING ELEVATION  
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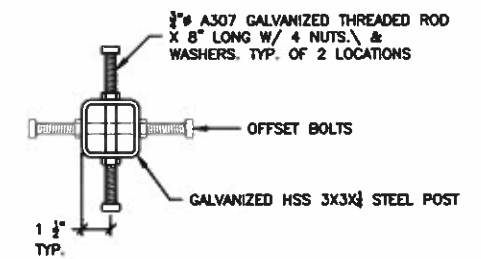
② STEEL RAILING CAP ATTACHEMENT  
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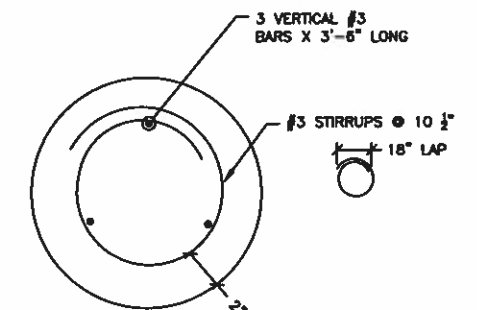
③ STEEL RAILING ELEVATION  
N.T.S.



④ STEEL RAILING SECTION  
N.T.S.



SECTION A-A  
N.T.S.



SECTION B-B  
N.T.S.

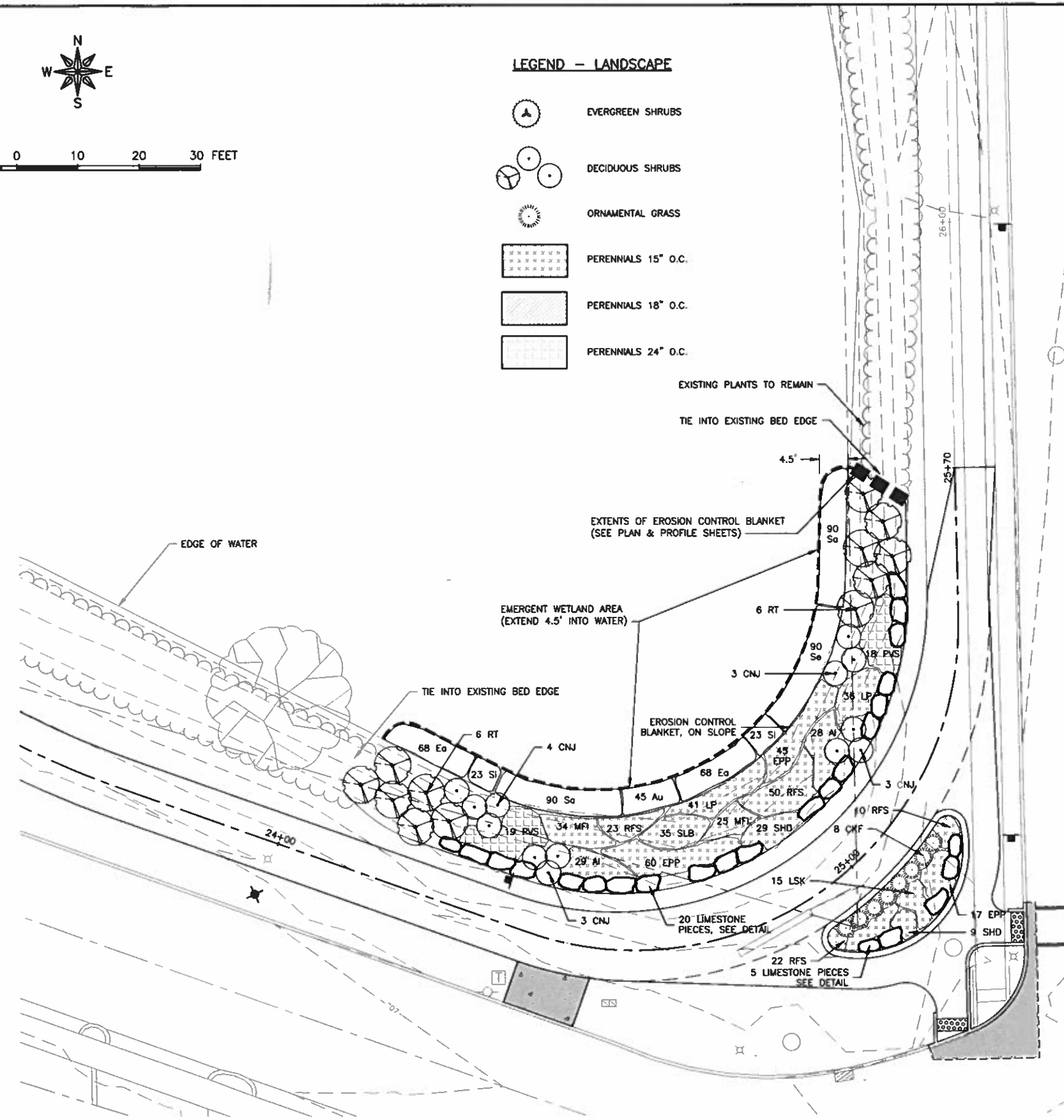
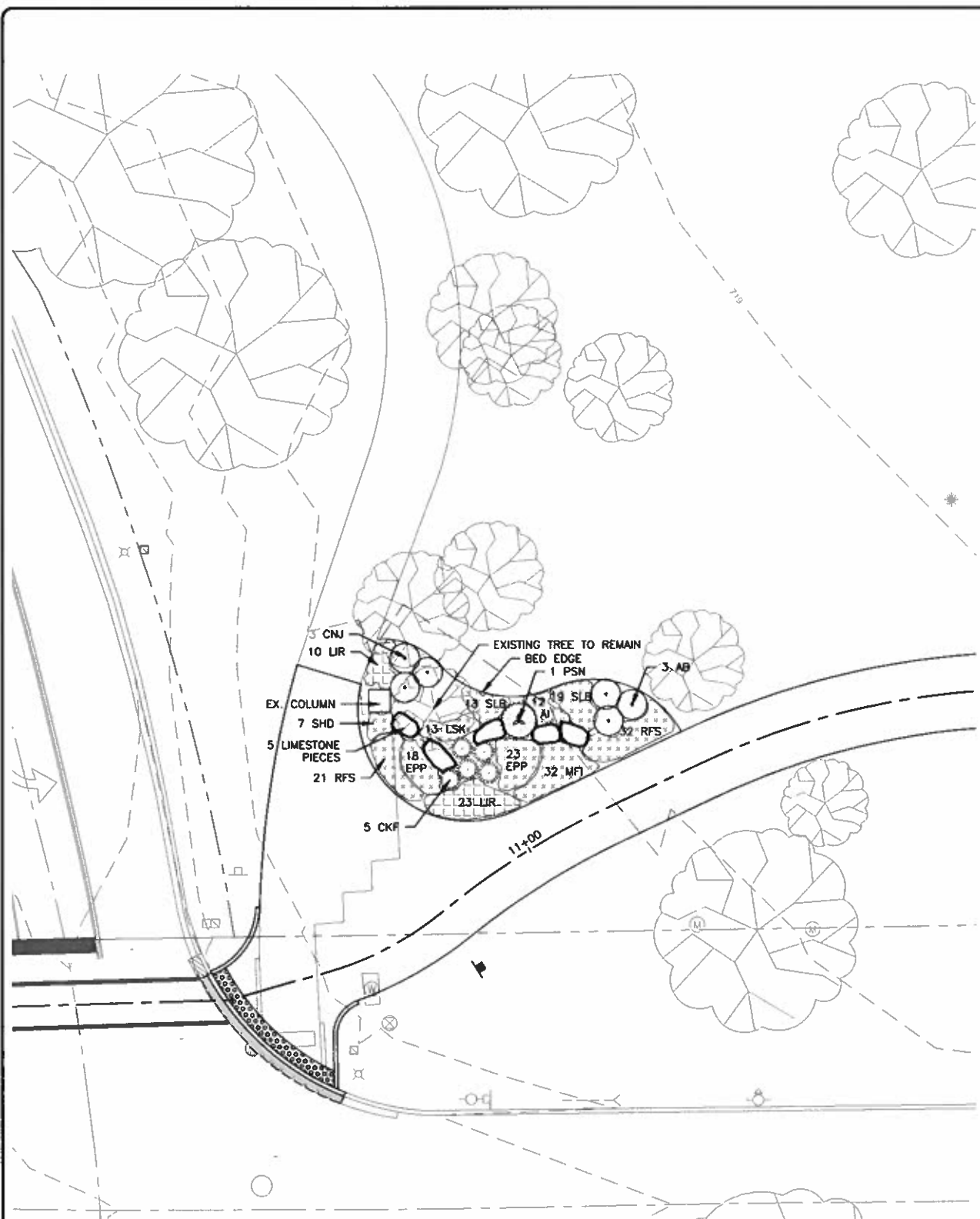
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10 0 10 20 30 FEET

**LEGEND - LANDSCAPE**

- EVERGREEN SHRUBS
- DECIDUOUS SHRUBS
- ORNAMENTAL GRASS
- PERENNIALS 15" O.C.
- PERENNIALS 18" O.C.
- PERENNIALS 24" O.C.



**FEHR GRAHAM**  
ENGINEERING & ENVIRONMENTAL  
ILLINOIS DESIGN FIRM NO. 184-003525

ILLINOIS  
IOWA  
WISCONSIN

OWNER/DEVELOPER:  
URBANA PARK DISTRICT  
1011 KERR AVENUE  
URBANA, ILLINOIS 61802

PROJECT AND LOCATION:  
URBANA PARK DISTRICT  
CRYSTAL LAKE SHARED USE PATH  
URBANA, ILLINOIS  
CONTRACT NO. 91576

DRAWN BY: RLT  
APPROVED BY: WRW  
DATE: 7/6/18  
SCALE:

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DRAWING:  
LANDSCAPE PLAN

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17-641

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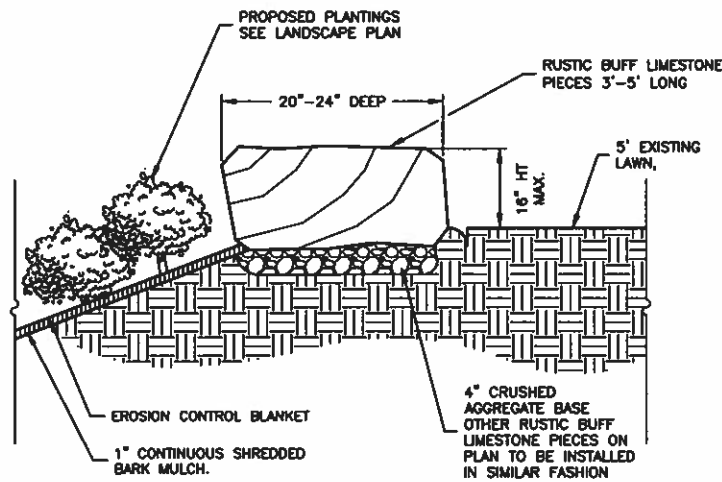
**LANDSCAPE NOTES**

- CONTRACTOR SHALL VISIT SITE, INSPECT EXISTING CONDITIONS AND REVIEW PROPOSED WORK. IN CASE OF DISCREPANCY BETWEEN PLAN AND QUANTITY LISTS, PLAN SHALL GOVERN QUANTITIES.
- CONTRACTOR SHALL VERIFY LOCATIONS OF ALL ON-SITE UTILITIES PRIOR TO BEGINNING CONSTRUCTION ON HIS/HER PHASE OF WORK. ELECTRIC, GAS, TELEPHONE, AND CABLE TELEVISION MAY BE LOCATED BY CALLING 811 NATIONWIDE TO REQUEST A LINE LOCATE. ANY DAMAGE TO UTILITIES 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 RESPONSIBLE FOR APPLICATION AND COST OF ALL NECESSARY PERMITS AND CODE VERIFICATIONS. SUBMIT COPIES OF ALL DOCUMENTS TO OWNER AND LANDSCAPE ARCHITECT.
- ALL SHRUB BEDS AND TREES SHALL BE MULCHED WITH A 3" DEPTH CONTINUOUS LAYER OF DARK BROWN SHREDDED HARDWOOD BARK MULCH. ALL GROUND COVER AND PERENNIAL BEDS SHALL BE MULCHED WITH A 1" DEPTH LAYER OF MULCH. ALL DECIDUOUS TREES SHALL BE MULCHED WITH A 3' DIAMETER CIRCLE OF 3" DEPTH MULCH.
- PERENNIAL AND GROUND COVER BEDS SHALL BE AMENDED WITH A 2" LAYER OF MUSHROOM COMPOST, TILLED TO A DEPTH OF 6", RAKED SMOOTH, FERTILIZED WITH COMMERCIAL 10-6-4 FERTILIZER AT A RATE OF 25 LBS. PER 1,000 S.F., PLANTED, COVERED WITH 1" LAYER OF DARK BROWN SHREDDED HARDWOOD BARK MULCH AND WATERED.
- EDGE ALL SHRUB BEDS THAT ABUTS LAWN WITH A 4" WIDTH BY 4" DEPTH 'V' SHAPED SPADED EDGE, CONTINUOUS.
- THE TOPSOIL CONDITION FOR THIS PROJECT SITE IS AS INDICATED IN GRADING PLANS.
- ADD SOIL AMENDMENTS TO PLANT PITS AND PLANTING BEDS AS PER DETAILS.
- GUARANTEE OF PLANTS FOR ONE (1) YEAR SHALL BEGIN AFTER ACCEPTANCE BY LANDSCAPE ARCHITECT AND/OR OWNER. THE OWNER SHALL ASSUME MAINTENANCE RESPONSIBILITIES OF ALL PLANT MATERIAL, INCLUDING WATERING, CULTIVATING, WEEDING, MULCHING AND SPRAYING AS NECESSARY TO KEEP PLANTS FREE OF INSECTS AND IN A HEALTHY, VIGOROUS CONDITION. THE CONTRACTOR SHALL GUARANTEE ALL PLANTS TO BE IN A HEALTHY, VIGOROUS CONDITION FOR A PERIOD OF ONE (1) YEAR FOLLOWING ACCEPTANCE. CONTRACTOR SHALL REPLACE WITHOUT COST TO OWNER, ANY DEAD OR UNACCEPTABLE PLANTS, AS DETERMINED BY LANDSCAPE ARCHITECT DURING AND AT THE END OF THE GUARANTEE PERIOD.
- SEE GRADING PLANS FOR SEEDING AND SODDING EXTENTS AND REQUIREMENTS.
- CONTRACTOR TO SUPPLY ALL LABOR AND MATERIALS NECESSARY TO INSTALL LIMESTONE PIECES IN LOCATIONS INDICATED ON PLAN. STONE SHALL BE RUSTIC BUFF LIMESTONE WITH THE FOLLOWING DIMENSIONS; 16" TALL X 36"-60" LENGTH X 20"-24" DEPTH. (STONE SHALL MATCH TYPE AND APPEARANCE OF THE STONES USED AT THE AQUATIC CENTER LOCATED NORTH OF THIS PROJECT IN THIS PARK). STONES ARE TO BE PLACED ON A 3" DEPTH COMPACTED AGGREGATE BASE, TOP OF BASE ELEVATION SHALL BE EQUAL TO THE SURROUNDING GRADE. (DO NOT OVERSPREAD BASE MATERIALS, NO AGGREGATE TO BE VISIBLE AFTER STONES ARE INSTALLED.) ASSURE THAT THE TOP ELEVATIONS OF THE STONES LOCATED IN THE CURBED PLANTING BED AT PARK ST. AND BROADWAY AVE. HAVE A SMOOTH AND EVEN SURFACE. THE BASE AGGREGATE FOR THE STONES IN THIS LOCATIONS SHALL BE INSTALLED SUCH THAT THE TOP OF AGGREGATE SHALL BE EQUAL TO THE TOP OF CURB.
- CONTRACTOR TO SUPPLY ALL LABOR AND MATERIALS NECESSARY TO INSTALL EROSION CONTROL FABRIC ON SLOPE DOWN TO THE LAKE'S EDGE AT THE BROADWAY AVE. AND PARK ST. LOCATION. FABRIC TO BE ERONET S150 EROSION CONTROL BLANKET BY NORTH AMERICAN GREEN (800) 772-2040, OR APPROVED EQUAL. INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS. INSTALL BLANKET PRIOR TO INSTALLATION OF PLANT MATERIALS. LAYOUT PLANT LOCATIONS WITH FLAGS OR MARKING PAINT PRIOR TO INSTALLATION. CUT SHALL CROSSES (3"-4" SLITS FOR PLUGS) INTO FABRIC AT EACH LOCATION FOR PLANTS TO BE INSERTED.

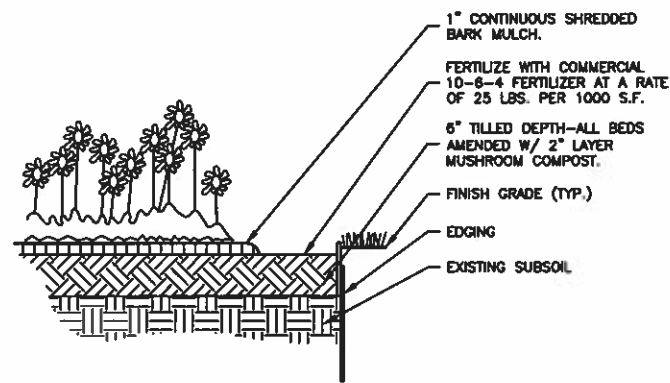
**SUMMARY OF QUANTITIES**

| KEY                                      | QTY | BOTANICAL NAME                             | COMMON NAME                      | SIZE   | REMARKS  |
|--|-----|--|----------------------------------|--------|----------|
| <b>SHRUBS</b>                            |     |  |                                  |        |          |
| AB                                       | 3   | Aronia arbutifolia 'Bilantissima'          | BRILLIANTISSIMA RED CHOKEBERRY   | 24"    |          |
| CNJ                                      | 16  | Ceanothus americanus                       | NEW JERSEY TEA                   | 24"    |          |
| PSN                                      | 1   | Pinus strobus 'Nana'                       | DWARF WHITE PINE                 | 30"    |          |
| RT                                       | 12  | Rhus typhina                               | STAGHORN SUMAC                   | 5 GAL. |          |
| <b>PERENNIALS AND ORNAMENTAL GRASSES</b> |     |  |                                  |        |          |
| AI                                       | 69  | Asclepias incarnata                        | SWAMP MILKWEED                   | PLUG   | 15" O.C. |
| CKF                                      | 13  | Calamagrostis x acutiflora 'Karl Foerster' | KARL FOERSTER FEATHER REED GRASS | 3 GAL. | 3" O.C.  |
| EPP                                      | 163 | Echinacea pallida                          | PALE PURPLE CONEFLOWER           | PLUG   | 15" O.C. |
| LIR                                      | 33  | Liriope spicata                            | CREEPING LILYTURF                | 1 GAL. | 18" O.C. |
| LP                                       | 77  | Liatris pycnostachya                       | PRAIRIE BLAZING STAR             | PLUG   | 15" O.C. |
| LSK                                      | 28  | Liatris spicata 'Kobold'                   | KOBOLD GAYFEATHER                | PLUG   | 15" O.C. |
| MFI                                      | 91  | Monarda fistulosa                          | WILD BERGAMOT                    | PLUG   | 15" O.C. |
| PVS                                      | 37  | Panicum virgatum                           | SWITCHGRASS                      | PLUG   | 24" O.C. |
| RFS                                      | 158 | Rudbeckia fulgida var. speciosa            | SHOWY BLACK-EYED SUSAN           | PLUG   | 15" O.C. |
| SHD                                      | 45  | Sporobolus heterolepis                     | PRAIRIE DROPSEED                 | PLUG   | 15" O.C. |
| SLB                                      | 67  | Schizachyrium scoparium                    | LITTLE BLUESTEM                  | PLUG   | 15" O.C. |
| <b>EMERGENT WETLAND PLANTS</b>           |     |  |                                  |        |          |
| Au                                       | 45  | Alisma subcordatum                         | AMERICAN WATER PLANTAIN          | PLUG   | 12" O.C. |
| Ea                                       | 136 | Eleocharis erythropoda                     | CREEPING SPIKE RUSH              | PLUG   | 12" O.C. |
| SI                                       | 46  | Sagittaria latifolia                       | ARROWHEAD PLANT                  | PLUG   | 12" O.C. |
| Sa                                       | 180 | Scirpus acutus                             | HARDSTEM BULRUSH                 | PLUG   | 12" O.C. |
| Se                                       | 90  | Sparganium eurycarpum                      | BUR-REED                         | PLUG   | 12" O.C. |

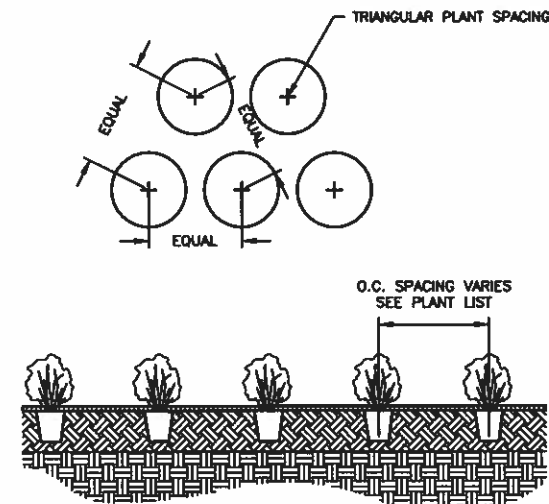
NOTE: ALL PLANT SIZES INDICATED AS PLUG TO BE 2 3/8" CELLS.



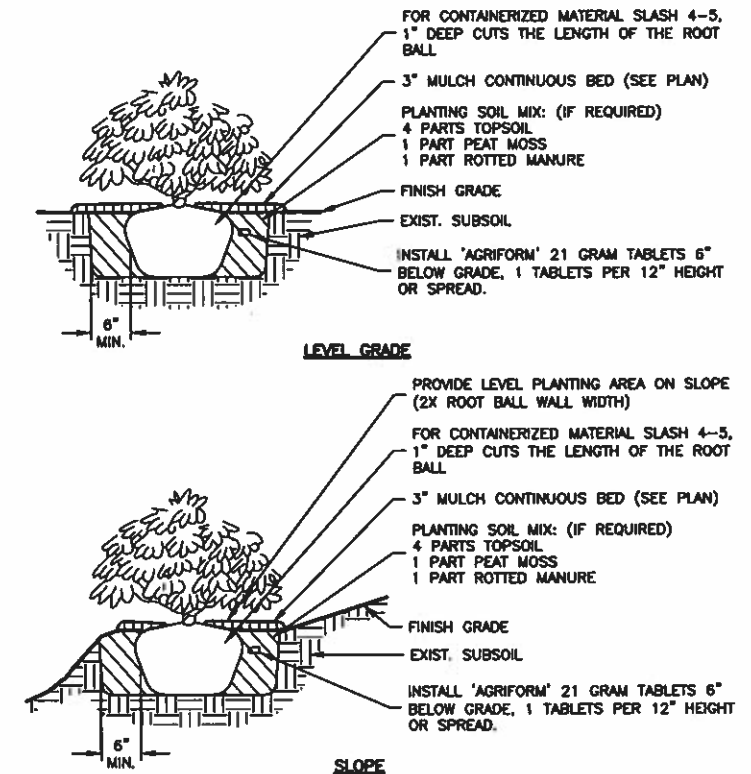
**RUSTIC BUFF LIMESTONE PIECES**  
N.T.S.



**PERENNIAL/GROUNDCOVER PLANTING**  
N.T.S.



**PERENNIAL/GROUNDCOVER SPACING**  
N.T.S.



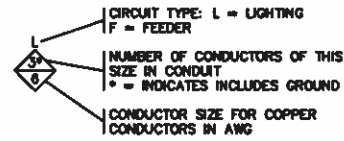
**SHRUB PLANTING DETAIL**  
N.T.S.

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### LIGHTING AND ELECTRICAL BILL OF MATERIALS

| CODE NUMBER | ITEM   | UNIT | LIGHTING QUANTITY | ALTERNATE QUANTITY | TOTAL QUANTITY | COMMENTS |
|-------------|--|------|-------------------|--------------------|----------------|----------|
| 81028340    | UNDERGROUND CONDUIT, PVC, 1-1/2" DIA.                      | FOOT | 530               |                    | 530            | LIGHTING |
| 81702130    | ELECTRICAL CABLE IN CONDUIT, 800V (XLP-TYPE USE) 1/C NO. 6 | FOOT | 1580              |                    | 1580           | LIGHTING |
| 81400730    | HANDHOLE, COMPOSITE CONCRETE 12"W. X 18"L. X 12"D.         | EACH | 6                 |                    | 6              | LIGHTING |
| 84200500    | REMOVAL OF LIGHTING UNIT, SALVAGE                          | EACH | 2                 |                    | 2              | LIGHTING |
| 84400105    | RELOCATE LIGHTING UNIT                                     | EACH | 2                 |                    | 2              | LIGHTING |

### CONDUCTOR SYMBOL SCHEME



- NOTE:
- ALL NEW CABLING SHALL BE #6 AWG XLP/USE-2.
  - ALL CONDUIT SHALL BE MINIMUM 1-1/2" PVC SCH 40.

### KEYNOTES: (E)

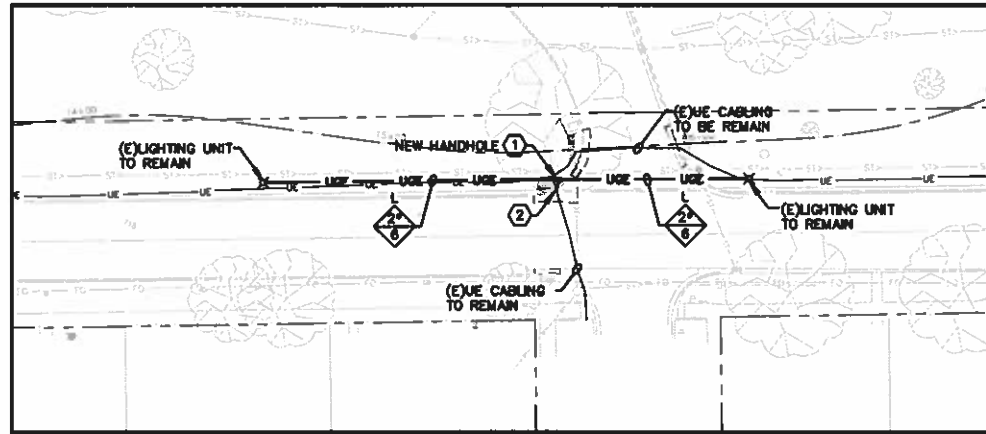
- PROVIDE NEW HANDHOLE FOR SPLICING OR EXTENSION OF EXISTING LIGHTING CIRCUIT.
- EXPOSE EXISTING DIRECT BURY CABLING AND RE-ROUTE TO NEW HANDHOLE AND SPLICE.
- (E) UE TO BE ABANDON IN PLACE.

### GENERAL ELECTRICAL NOTES:

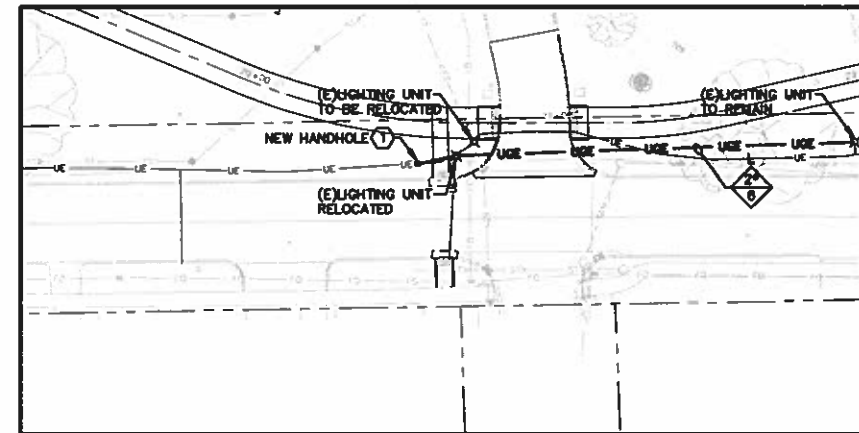
- ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2014 NATIONAL ELECTRICAL CODE, THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND ALL APPLICABLE LOCAL ORDINANCES. THE CONTRACTOR SHALL FURNISH ALL MATERIALS FOR A COMPLETE AND WORKABLE SYSTEM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND FOR PROVIDING ALL SUPERVISION, LABOR, MATERIALS AND TOOLS FOR THE PROJECT.
- ALL LOCATIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY ALL EQUIPMENT LOCATIONS AND EQUIPMENT DIMENSIONS.
- ALL CONDUITS WITH WIRING SHALL BE PROVIDED WITH AN INSULATED COPPER GROUND CONDUCTOR SIZED AS NOTED ON THE PLANS AND IN ACCORDANCE WITH THE 2014 NATIONAL ELECTRICAL CODE.
- ALL GROUNDING CONDUCTORS SHALL BE BONDED TOGETHER IN ALL HANDHOLES AND J-BOXES.
- CONDUIT ROUTING SHOWN IS SCHEMATIC ONLY. CONTRACTOR SHALL COORDINATE EXACT ROUTING AND INSTALLATION WITH OTHER SITE WORK BEING PERFORMED. COORDINATE ALL POLE LOCATIONS WITH ENGINEER IN FIELD.
- PROVIDE PULL STRINGS IN ALL CONDUITS, INCLUDING THOSE CONDUIT WITH CONDUCTORS INSTALLED. THE PULL STRING SHALL BE INCLUDED IN THE COST OF THE CONDUITS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR SHALL TAG ALL ELECTRICAL CONDUCTORS (PHASE CONDUCTORS, NEUTRALS AND GROUNDS) WITH PERMANENT TAGS. EACH CONDUCTOR SHALL BE TAGGED IN ALL HANDHOLES, J-BOXES, AND POLE HANDHOLES. THE TAG SHALL INDICATE THE LIGHTING CONTROLLER AND CIRCUIT NUMBER FROM WHICH THE CONDUCTOR ORIGINATE. COORDINATE WITH CITY OF URBANA.
- ALL CONDUIT WILL BE INSTALLED 30-INCHES BELOW FINAL GRADE UNLESS OTHERWISE DIRECTED BY THE ENGINEER. CONTRACTOR IS RESPONSIBLE FOR REPAIR OF TO ALL UNDERGROUND UTILITIES DAMAGED DURING INSTALLATION OF ROADWAY LIGHTING AND WALKWAY LIGHTING.
- POLE WIRING IS EXISTING AND IS TO BE RE-CONNECTED. THE EXISTING LIGHTING SYSTEM CONDUITS AND CONDUCTORS THAT ARE NOT INCORPORATED IN THE PROPOSED LIGHTING WORK AND ARE NO LONGER IN SERVICE SHALL BE ABANDONED IN PLACE. THE EXISTING CONDUCTORS IN ABANDONED CONDUITS SHALL BE REMOVED. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDING WITHIN THE COST OF THE PROPOSED LIGHTING AND ELECTRICAL WORK.
- THE CONTRACTOR SHALL USE CARE IN CONSTRUCTING THE LIGHT POLES THAT ARE NEAR TRENCH EXCAVATIONS FOR STORM SEWERS.
- THE EXISTING LIGHTING SYSTEM SHALL REMAIN IN OPERATION AT ALL TIMES WITH TEMPORARY CONNECTIONS. ALL TEMPORARY CONNECTIONS ON GRADE SHALL BE IN CONDUIT. CONTRACTOR SHALL EXERCISE CARE WHEN REMOVING, STORING AND RE-INSTALLING POLES. CONTRACT WILL BE HELD RESPONSIBLE FOR ANY DAMAGE TO EXISTING POLES. CONTRACTOR SHALL WORK WITH THE SITE ENGINEER TO COORDINATE FIELD INSPECTION OF LIGHTING CIRCUITRY PRIOR TO BACK FILL AND SITE DEMOBILIZATION.

### LIGHTING AND ELECTRICAL LEGEND

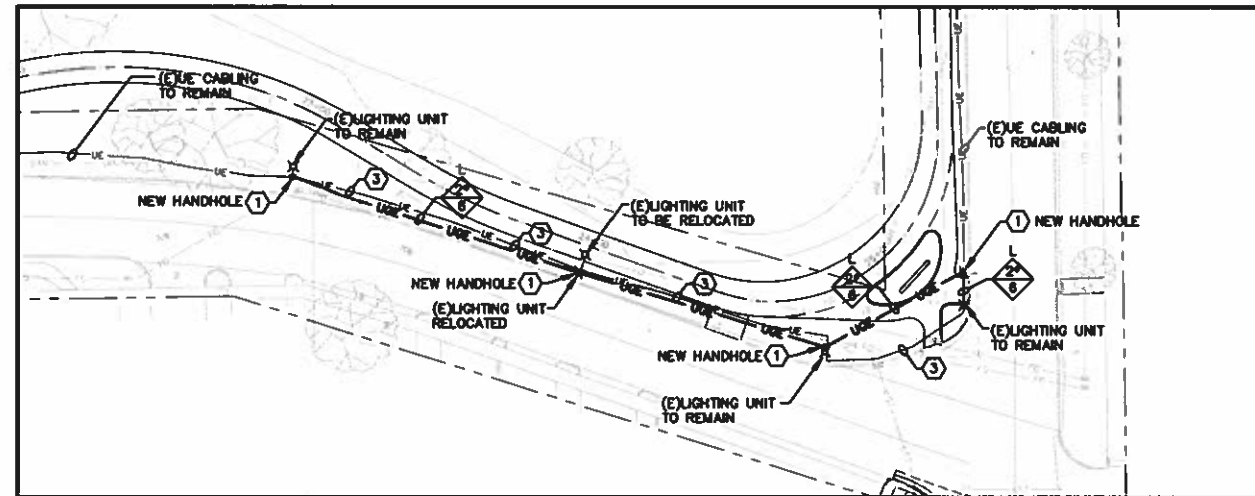
- ⊗ EXISTING DECORATIVE LIGHT UNIT (BUTT-BASE)
- HANDHOLE SPECIAL, 12"W. X 18"L. X 12" D. TIER 22
- UGE — 1-1/2" DIA. UNLESS NOTED OTHERWISE PVC CONDUIT SCHEDULE 40, TRENCHED



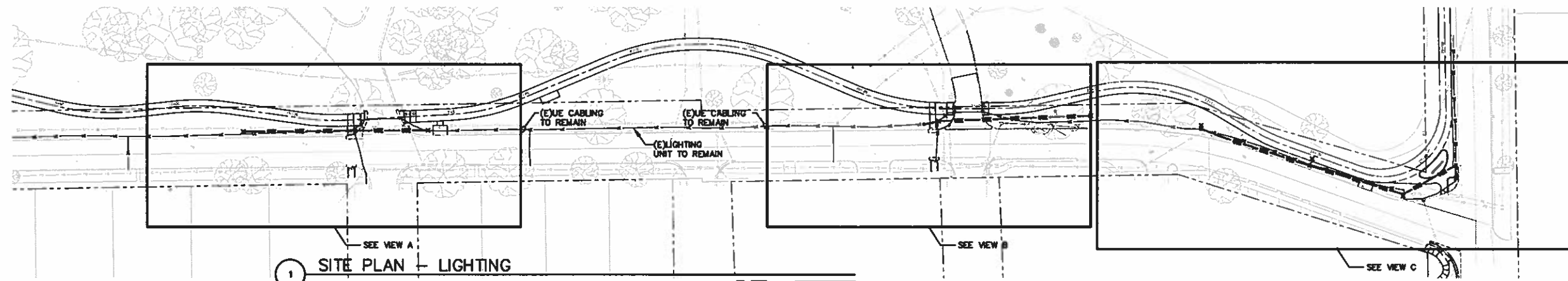
2 VIEW A



3 VIEW B

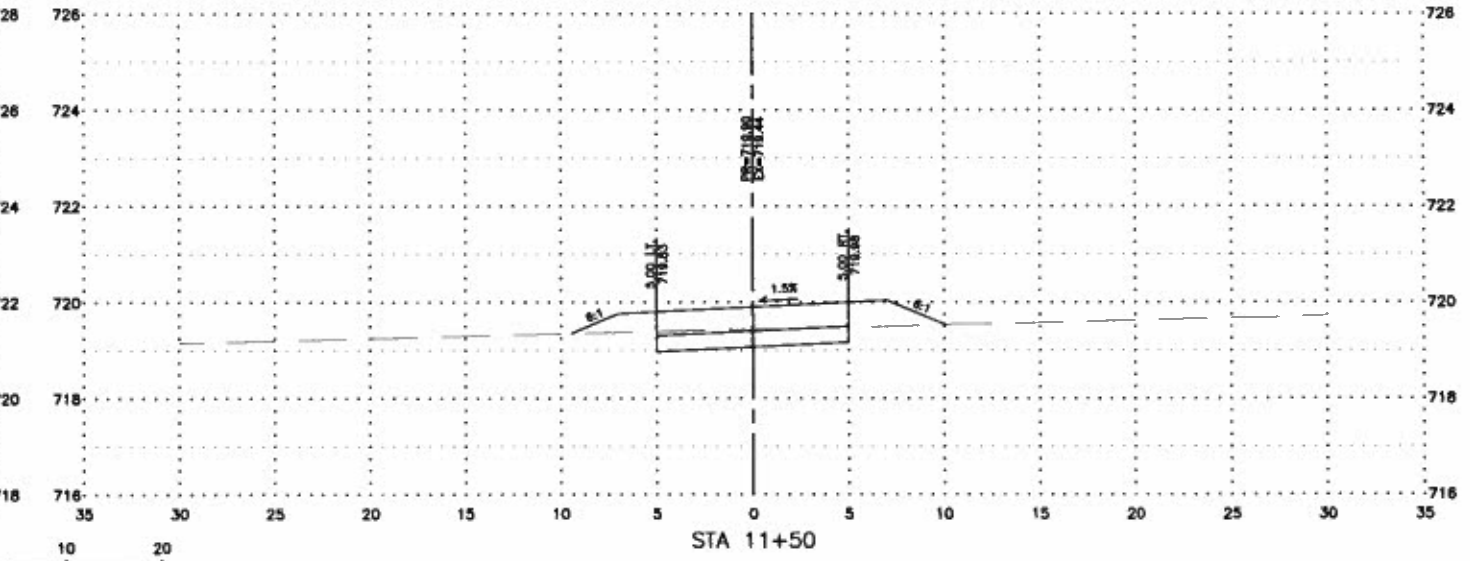
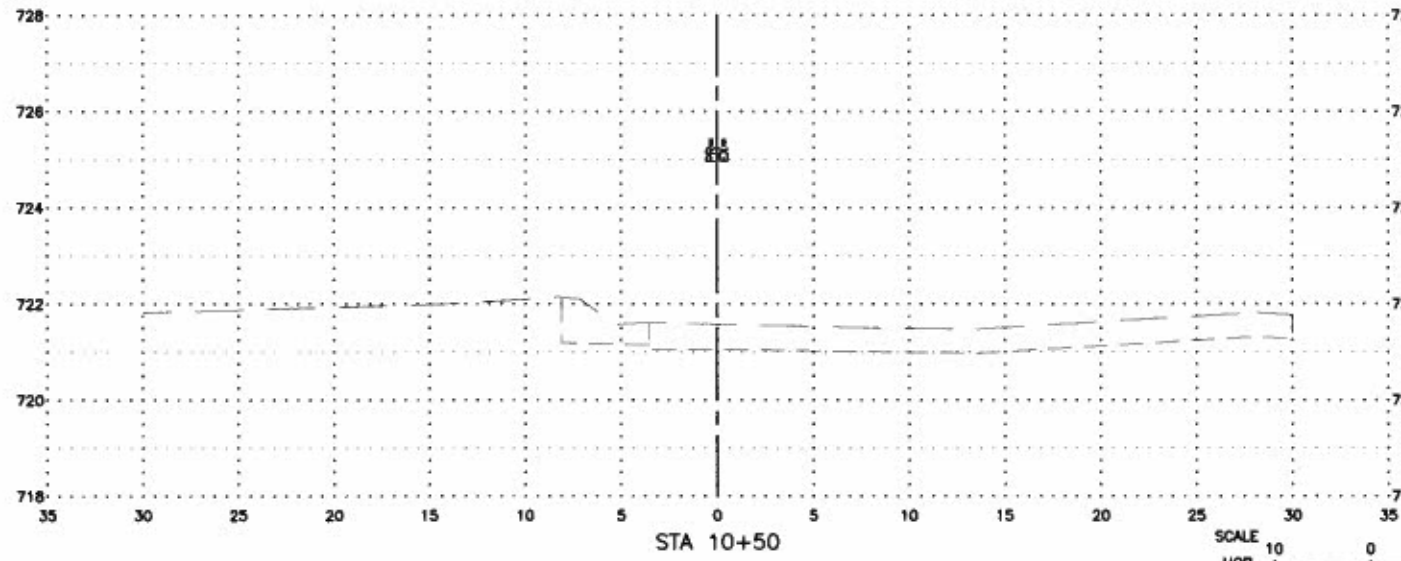
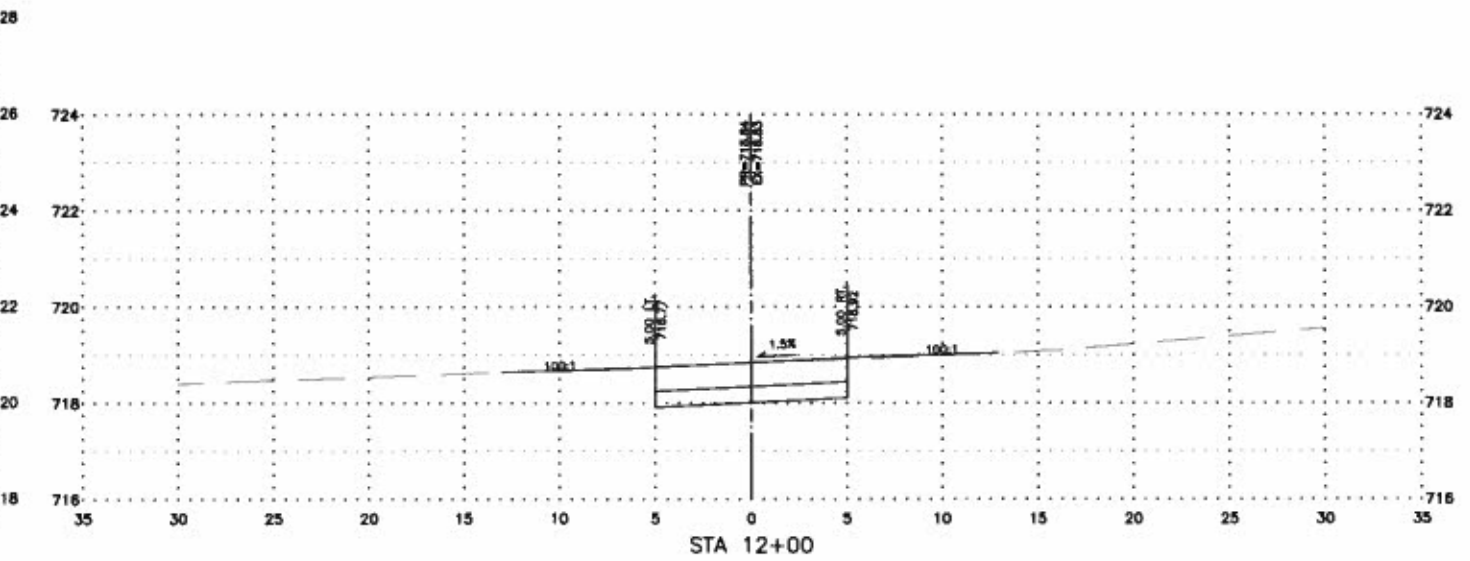
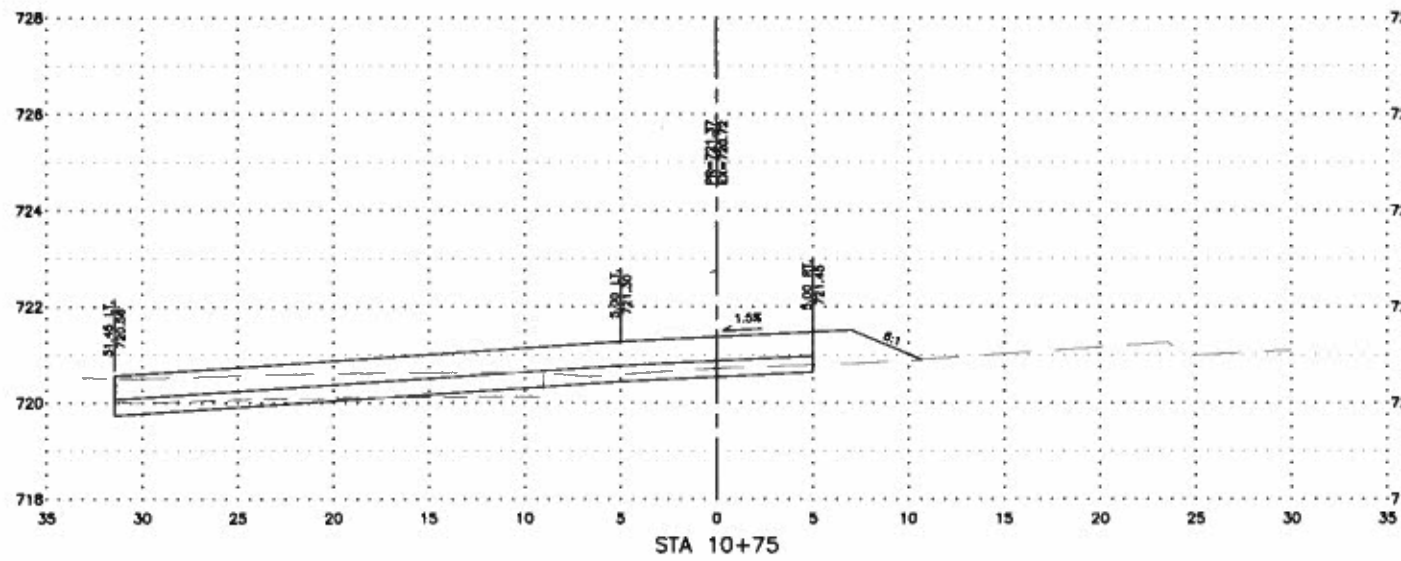
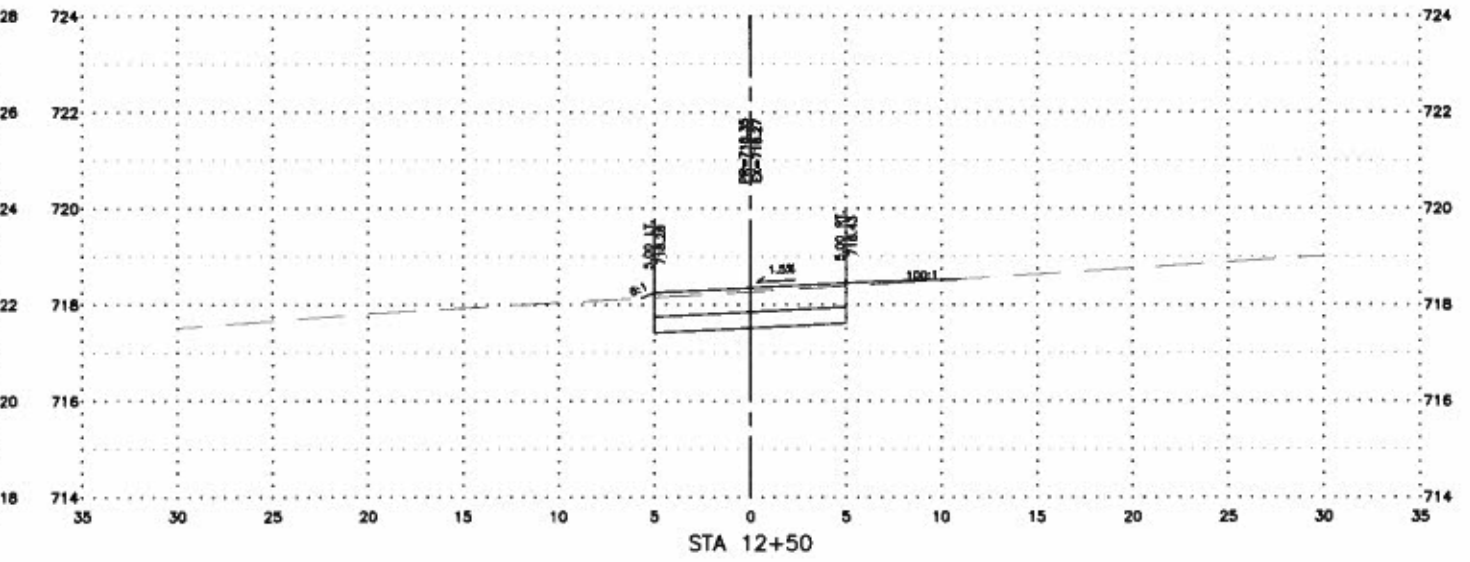
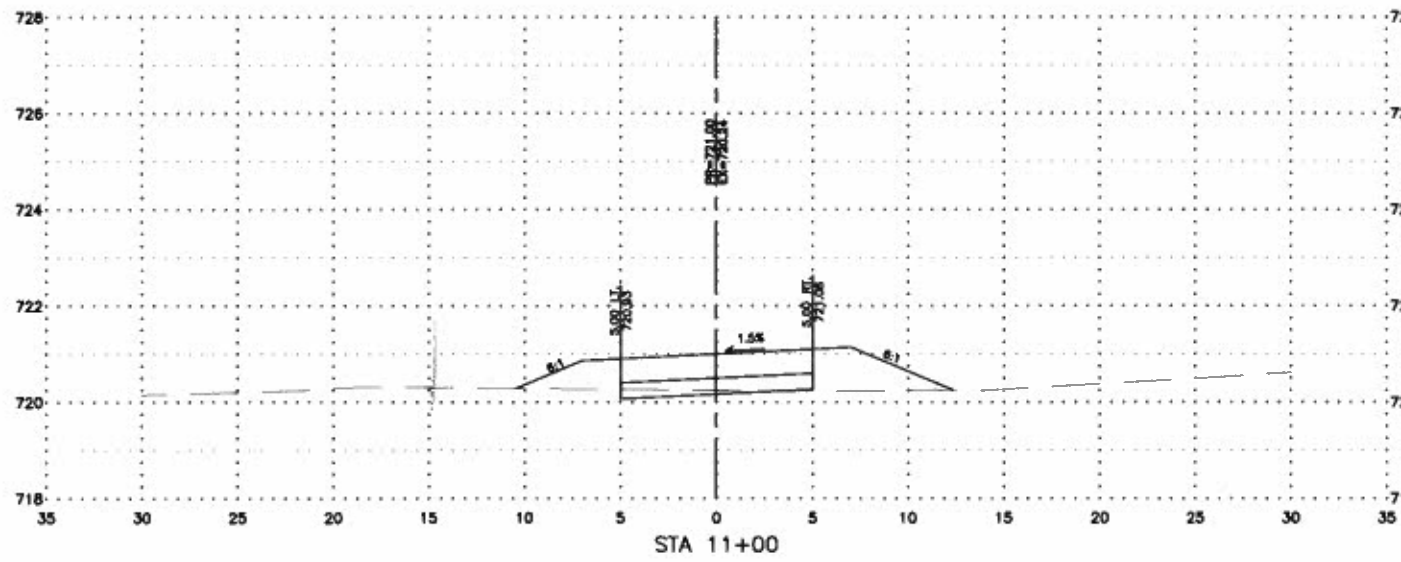


4 VIEW C



1 SITE PLAN - LIGHTING

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ENGINEERING & ENVIRONMENTAL  
ILLINOIS DESIGN FIRM NO. 184-003525

ILLINOIS  
IOWA  
WISCONSIN

OWNER/DEVELOPER:  
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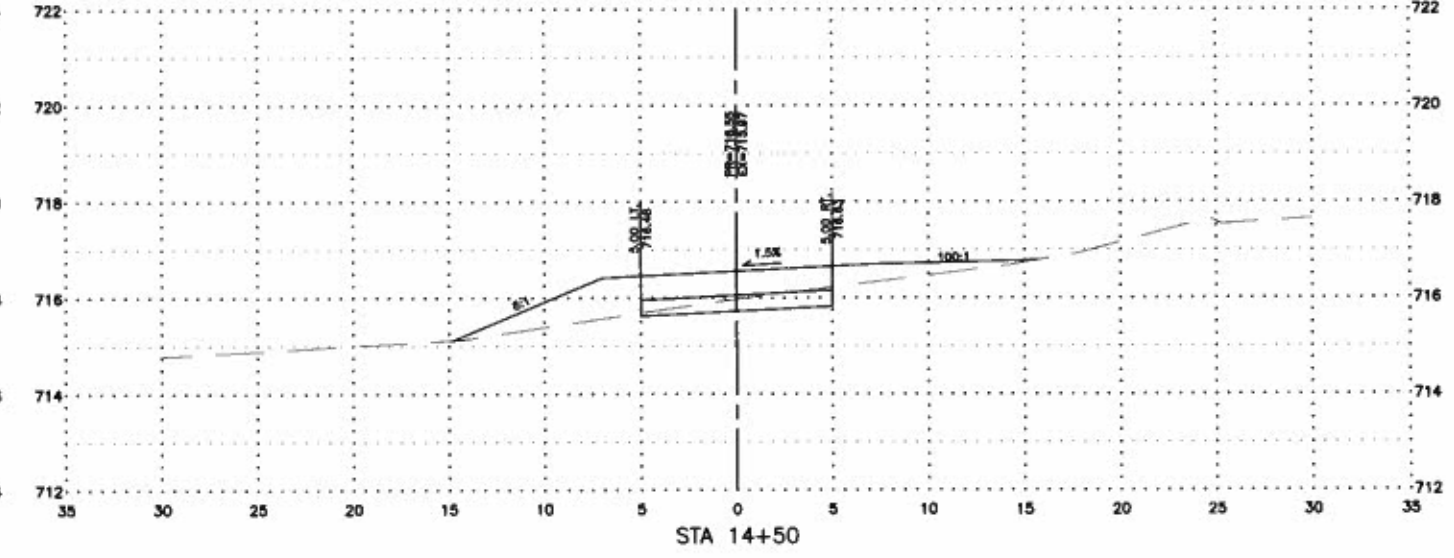
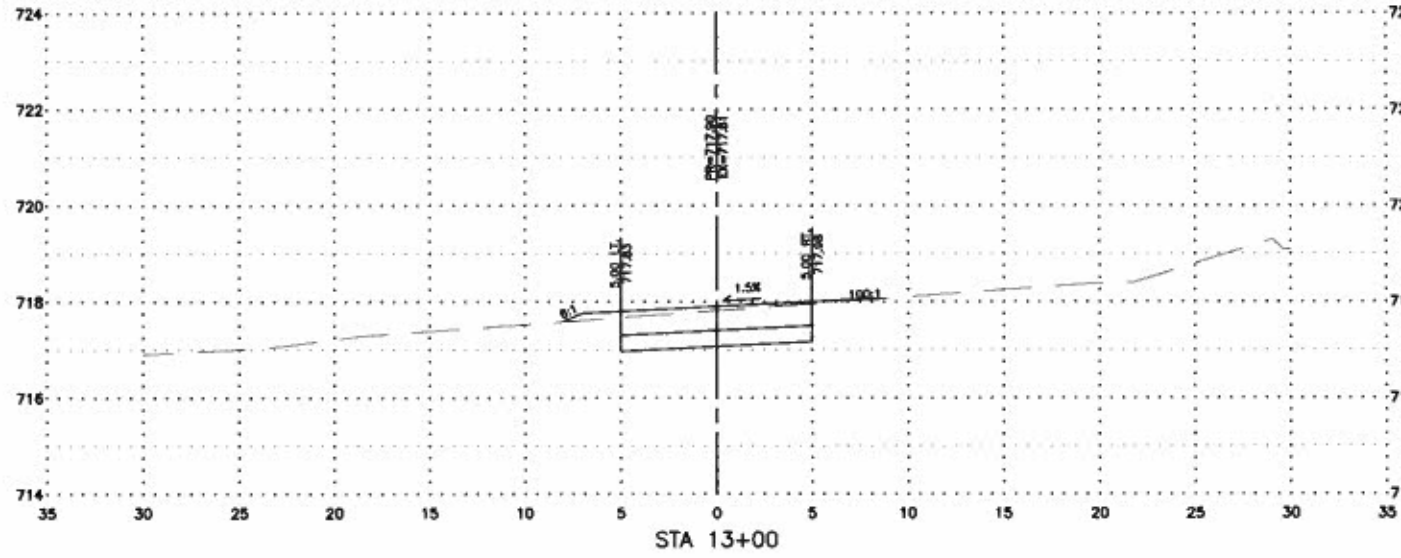
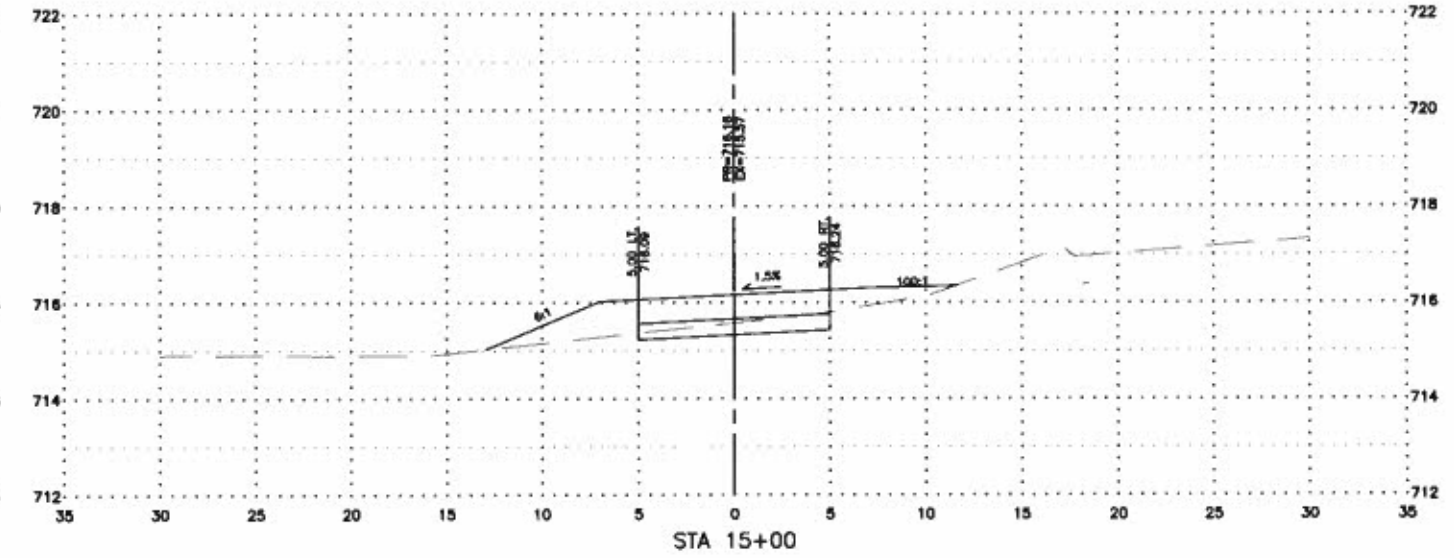
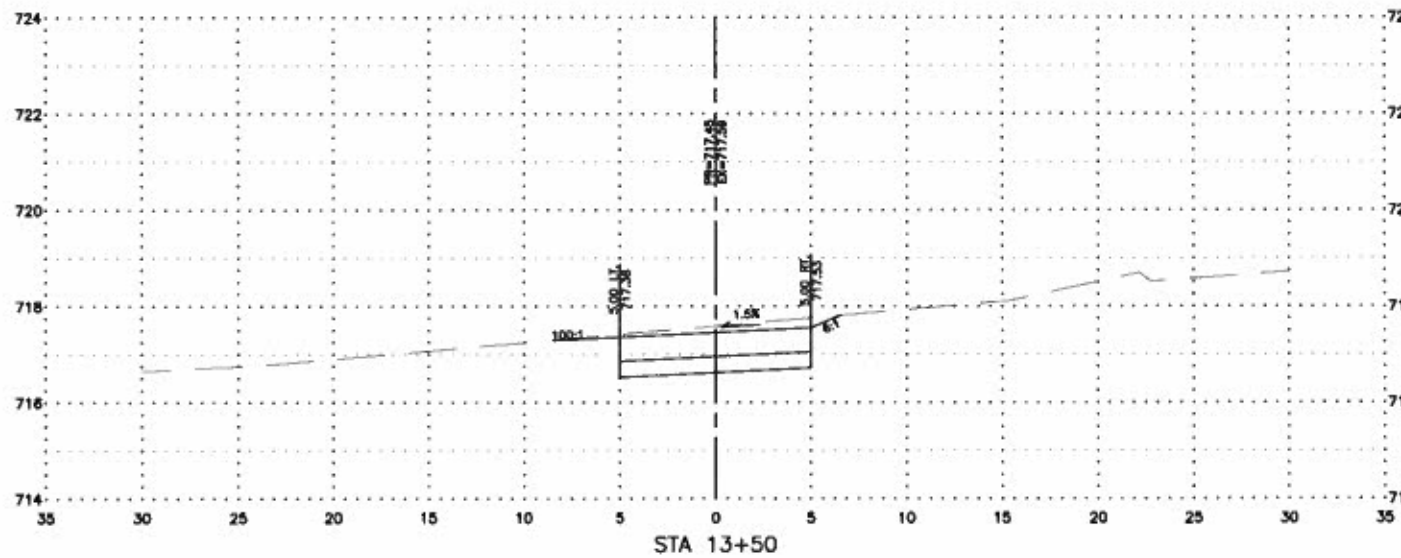
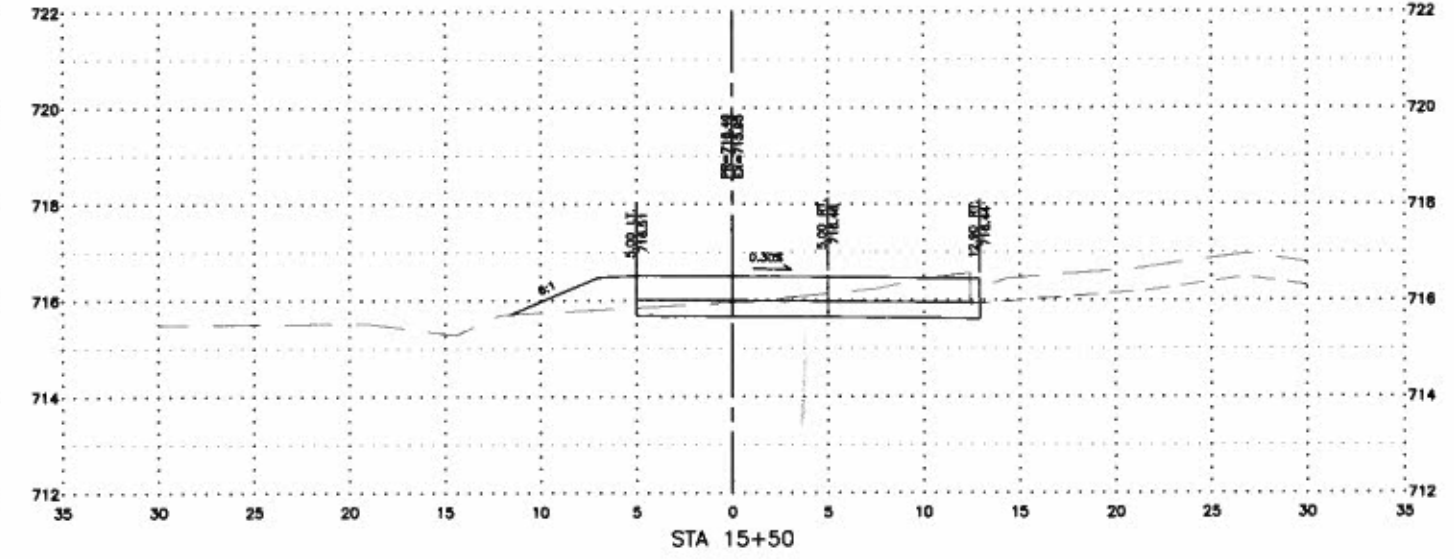
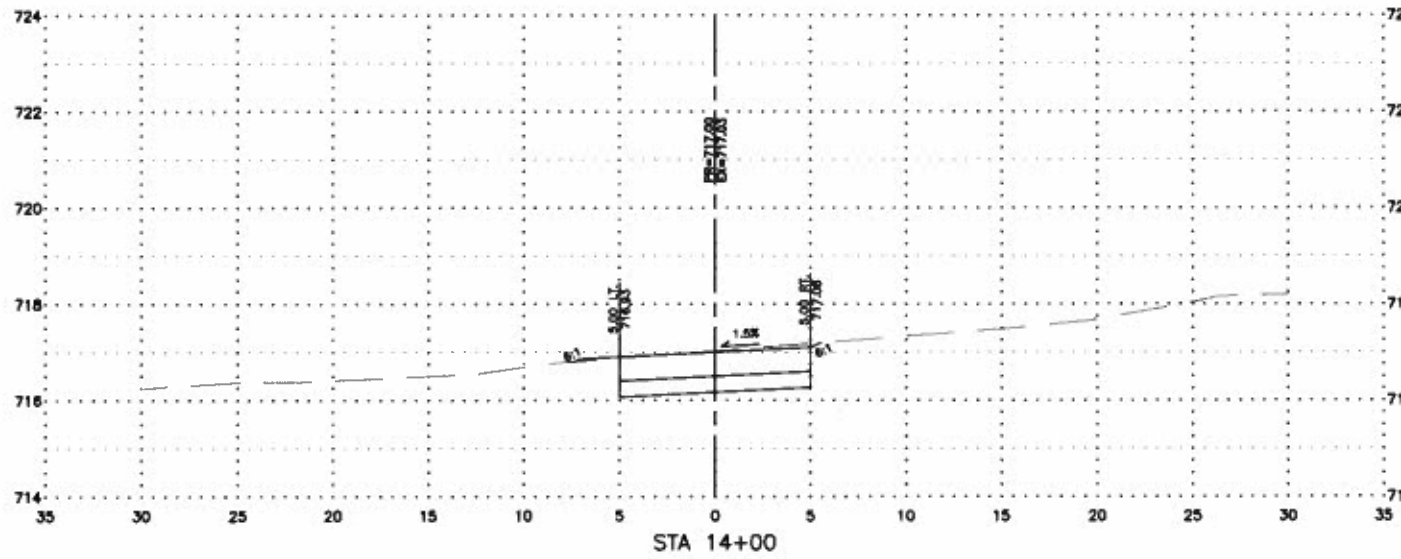
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|           |                               |        |
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DRAWING:  
CROSS SECTIONS 1

JOB NUMBER:  
17-641

SHEET NUMBER:  
30 of 35



**FEHR GRAHAM**  
ENGINEERING & ENVIRONMENTAL

ILLINOIS  
IOWA  
WISCONSIN

OWNER/DEVELOPER:  
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1011 KERR AVENUE  
URBANA, ILLINOIS 61802

PROJECT AND LOCATION:  
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CRYSTAL LAKE SHARED USE PATH  
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CONTRACT NO. 91576

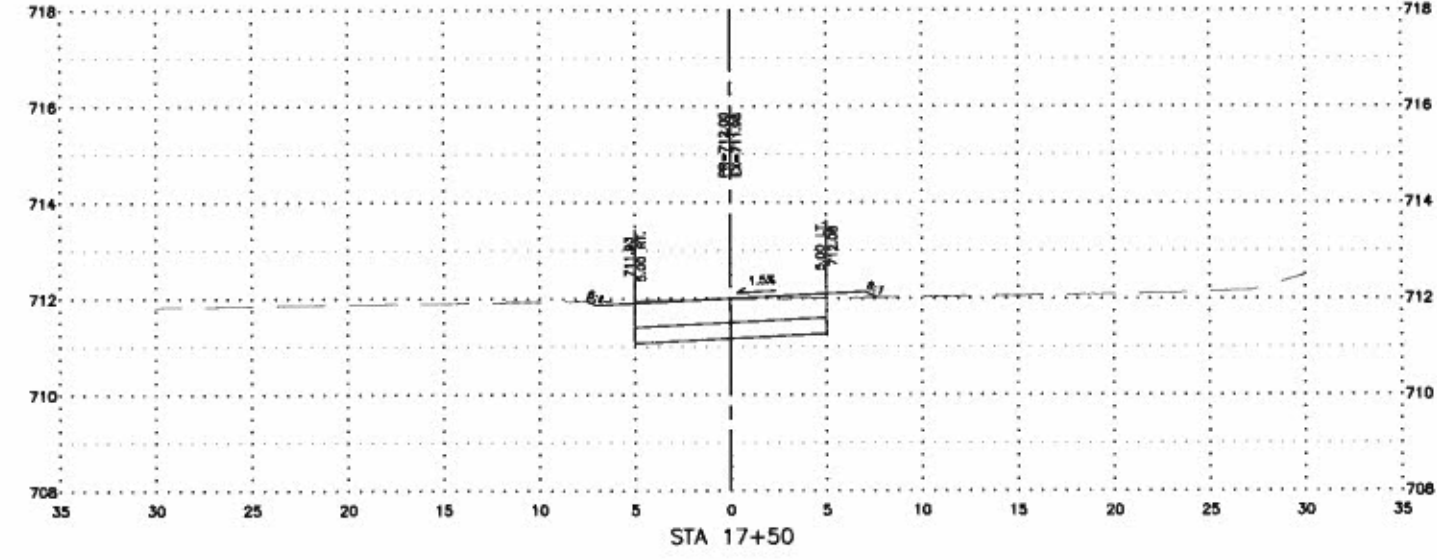
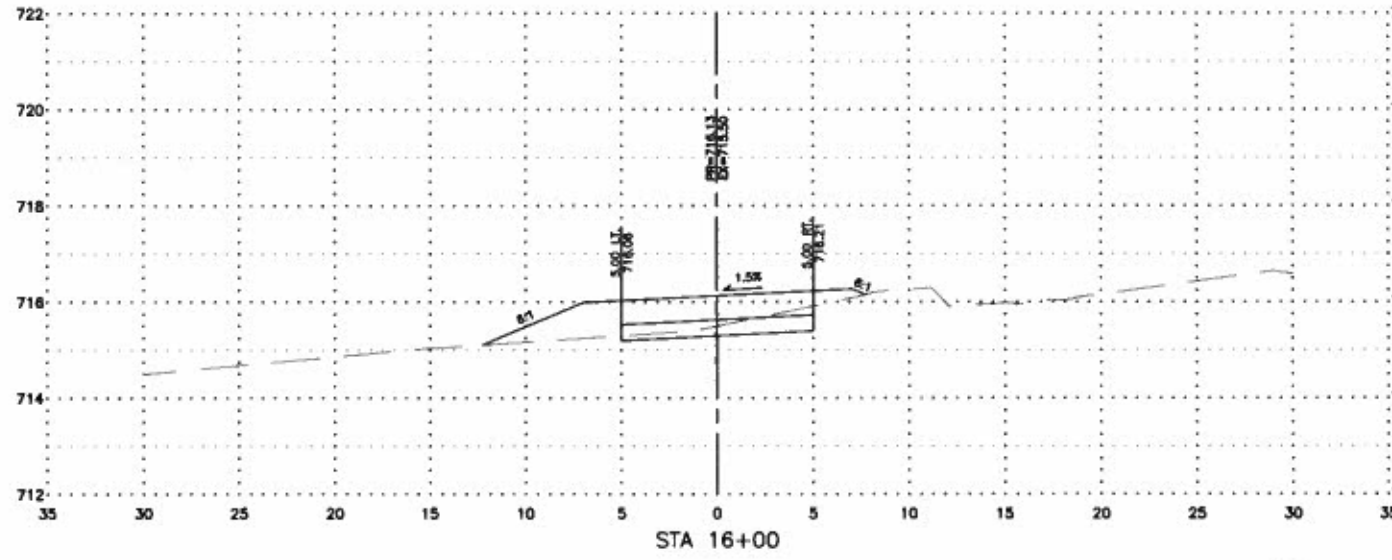
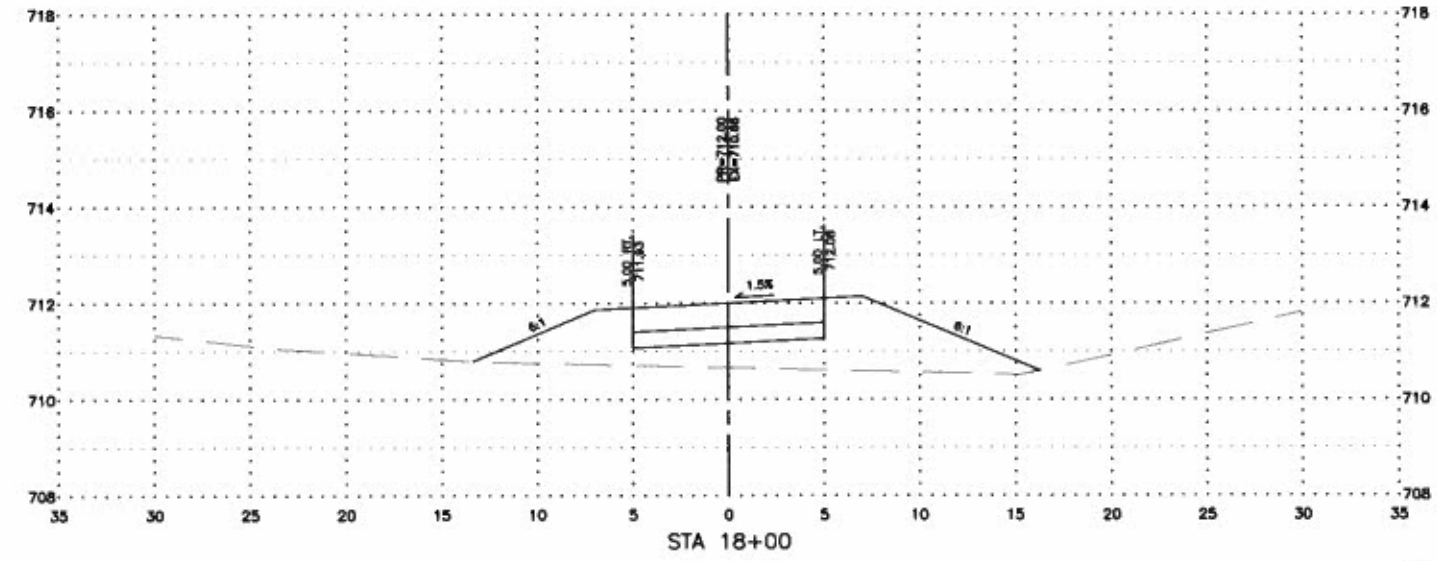
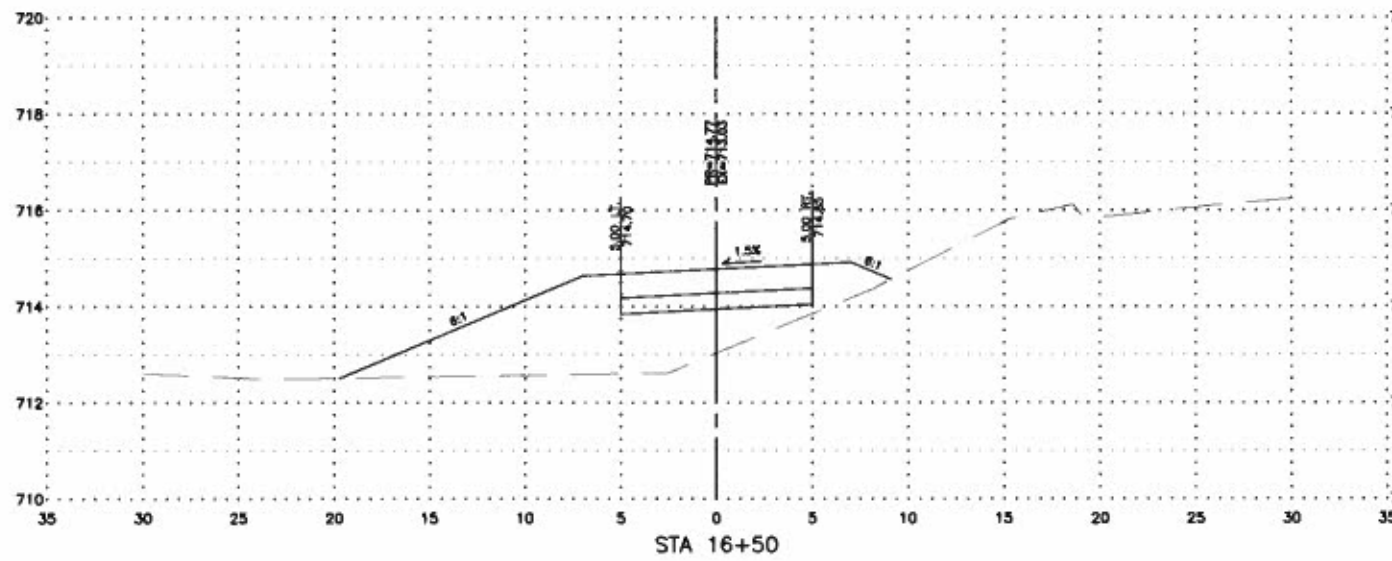
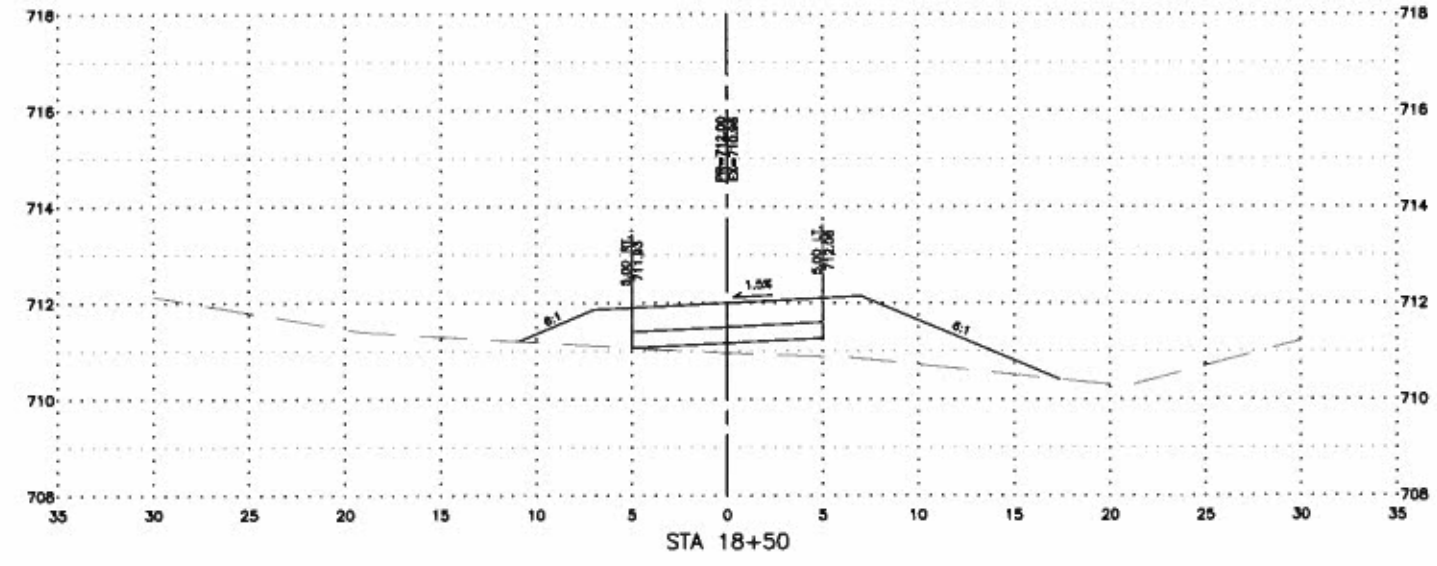
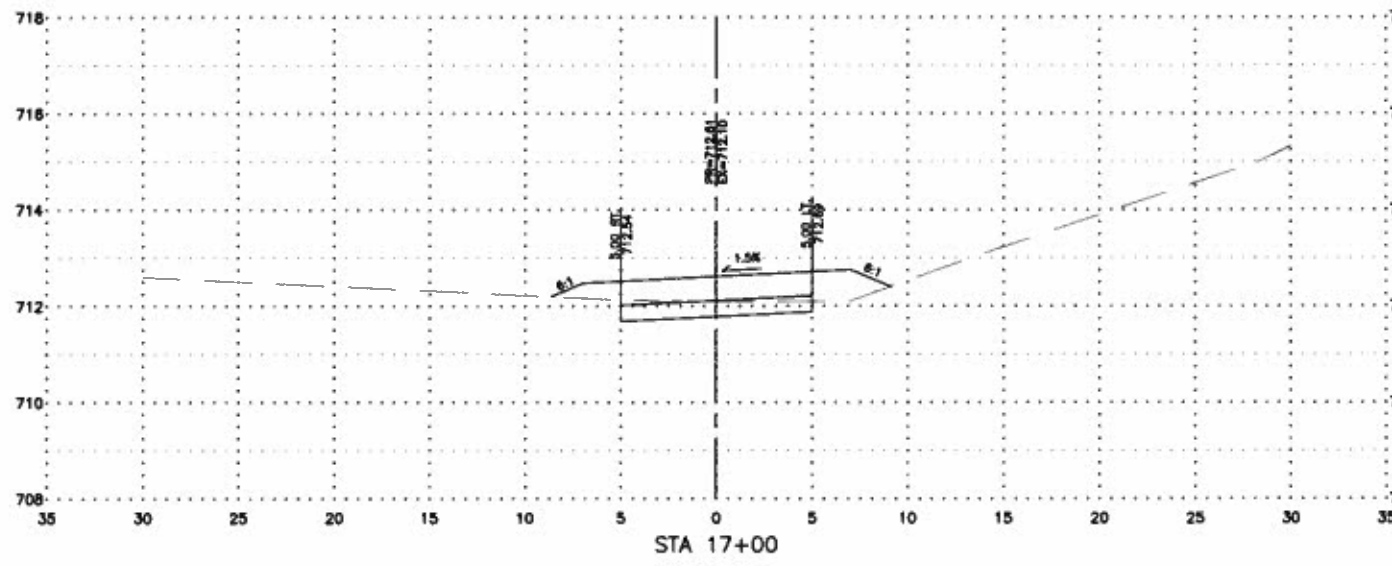
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DATE: 7/6/18

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**FEHR GRAHAM**  
ENGINEERING & ENVIRONMENTAL  
ILLINOIS DESIGN FIRM NO. 184-003525

ILLINOIS  
IOWA  
WISCONSIN

OWNER/DEVELOPER:  
URBANA PARK DISTRICT  
1011 KERR AVENUE  
URBANA, ILLINOIS 61802

PROJECT AND LOCATION:  
URBANA PARK DISTRICT  
CRYSTAL LAKE SHARED USE PATH  
URBANA, ILLINOIS  
CONTRACT NO. 91576

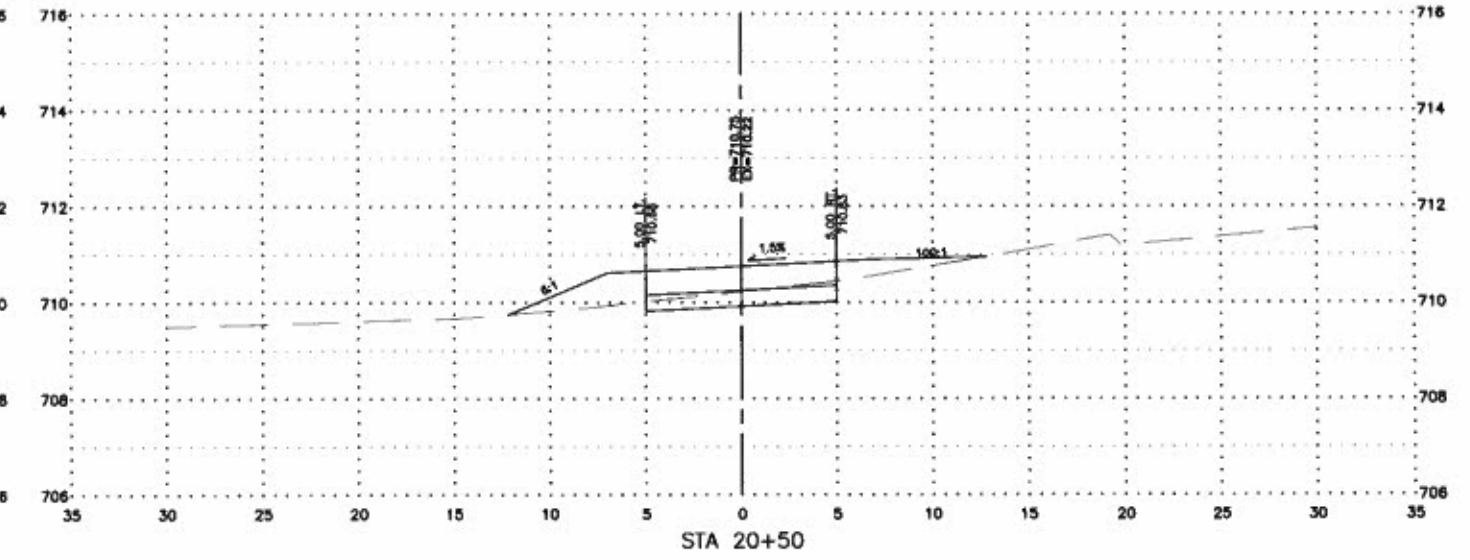
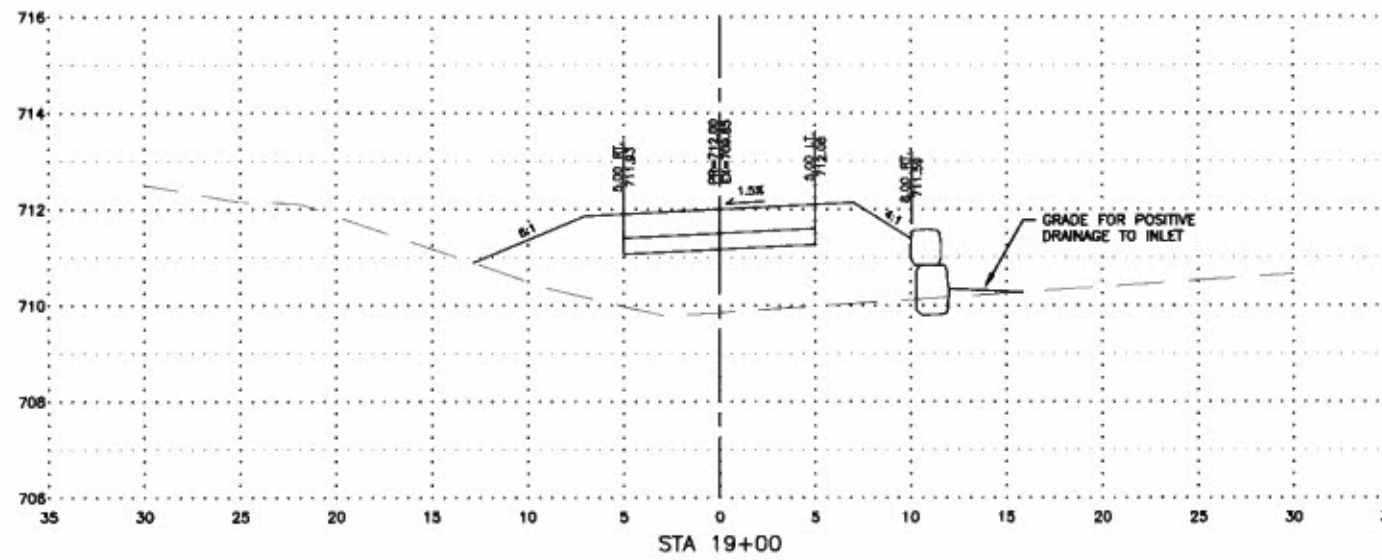
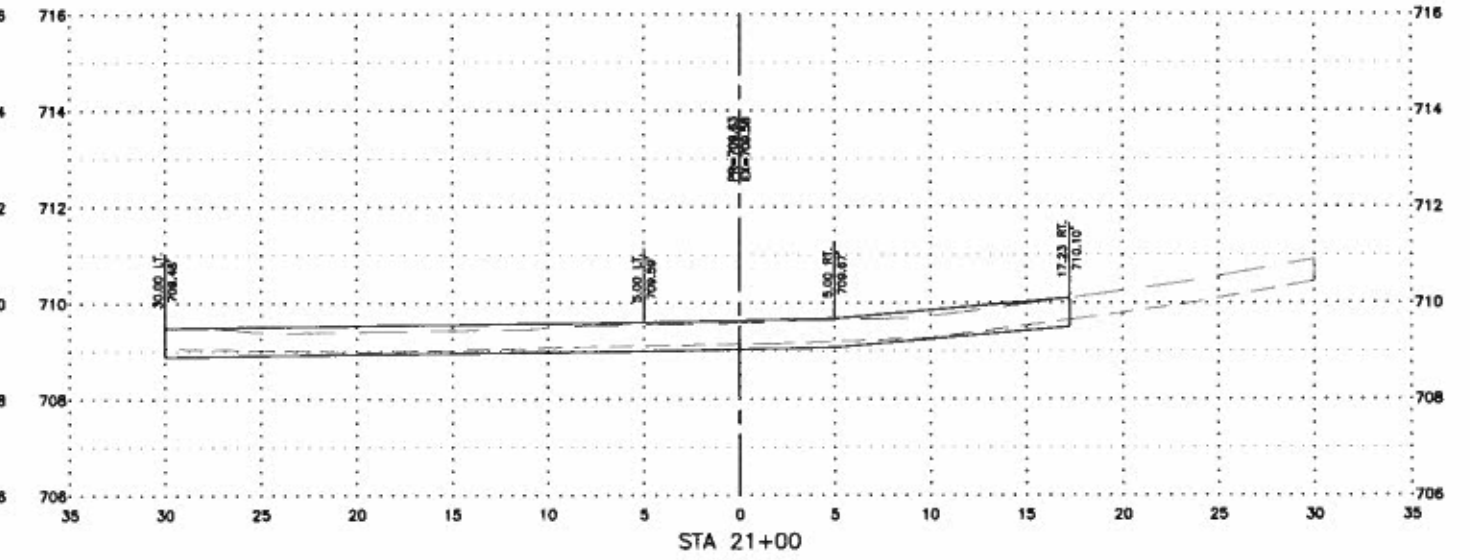
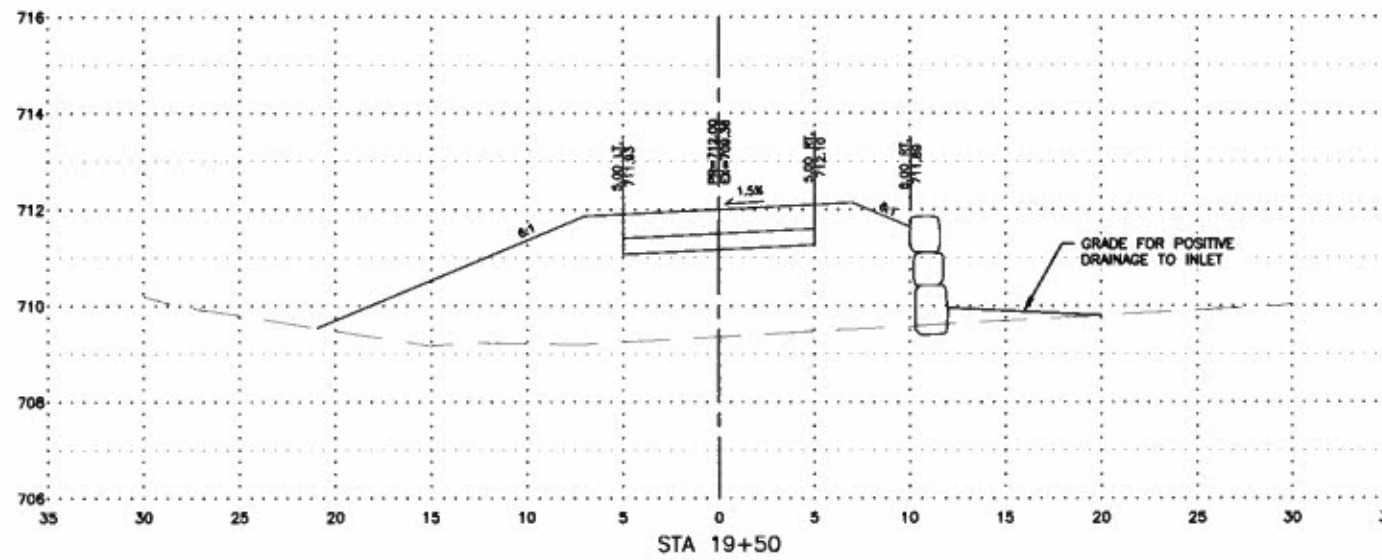
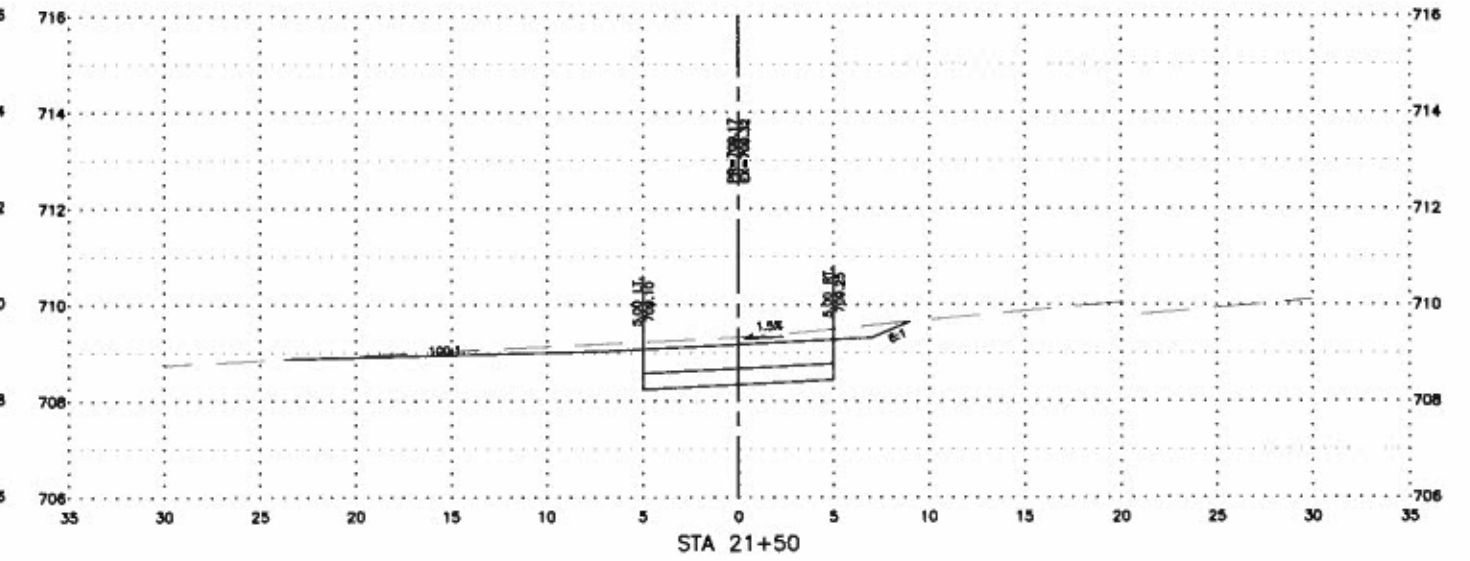
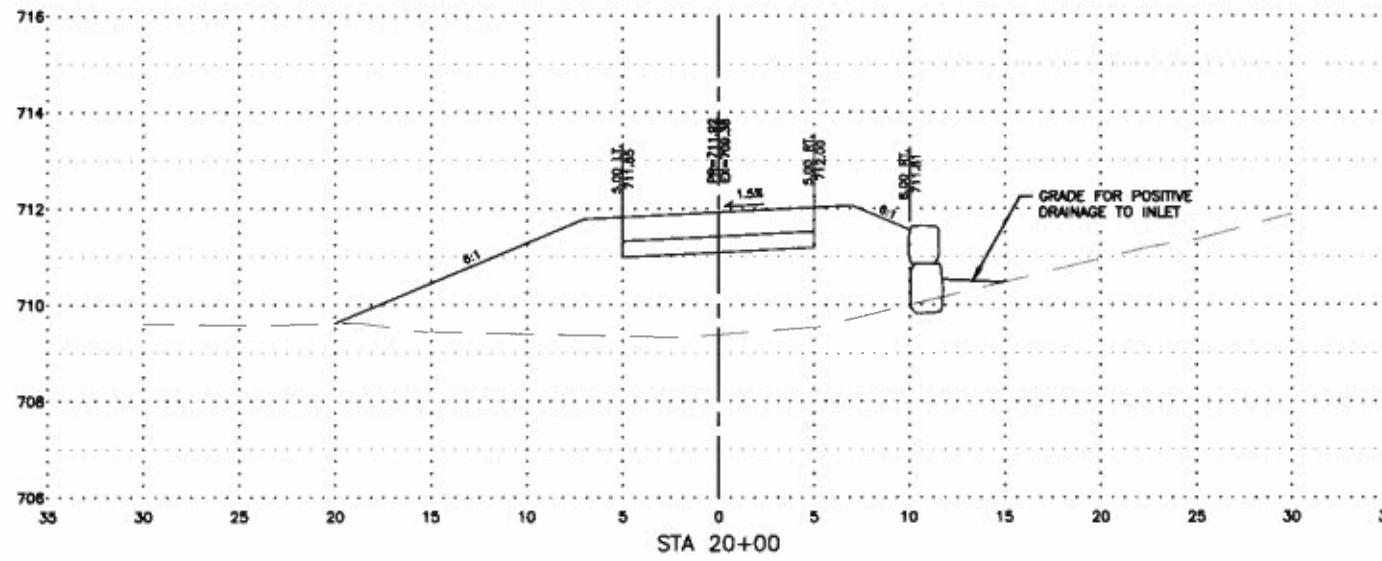
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| REV. NO.  | DESCRIPTION                   | DATE   |
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ILLINOIS  
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WISCONSIN

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URBANA PARK DISTRICT  
1011 KERR AVENUE  
URBANA, ILLINOIS 61802

PROJECT AND LOCATION:  
URBANA PARK DISTRICT  
CRYSTAL LAKE SHARED USE PATH  
URBANA, ILLINOIS  
CONTRACT NO. 91576

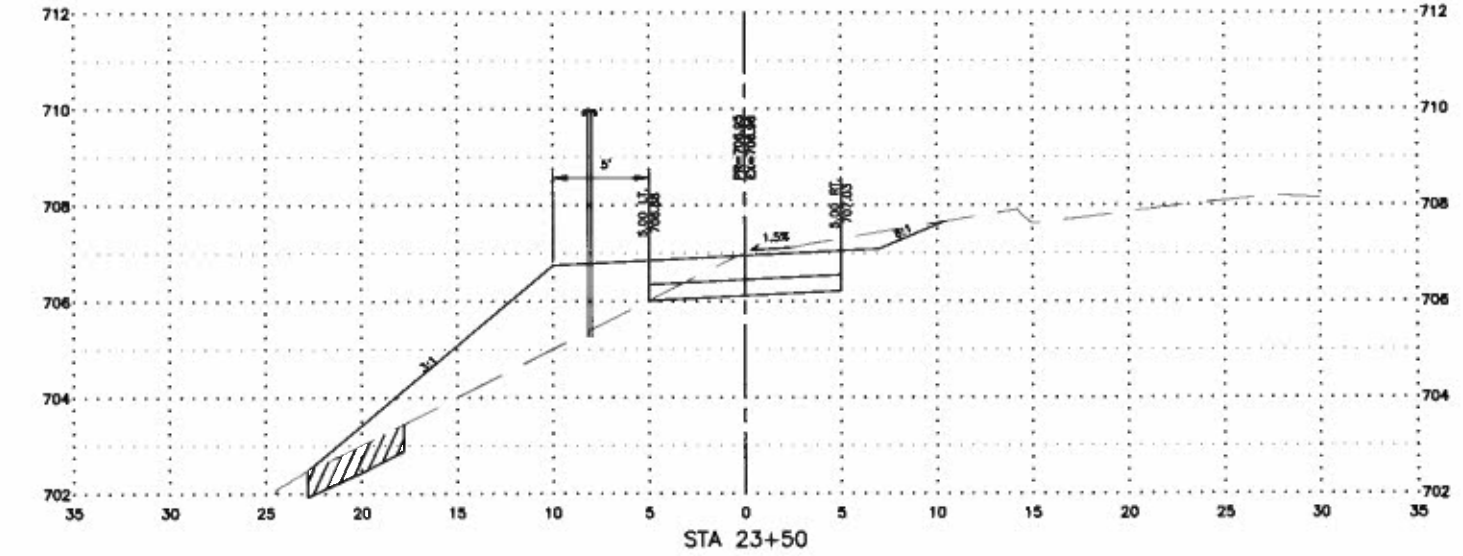
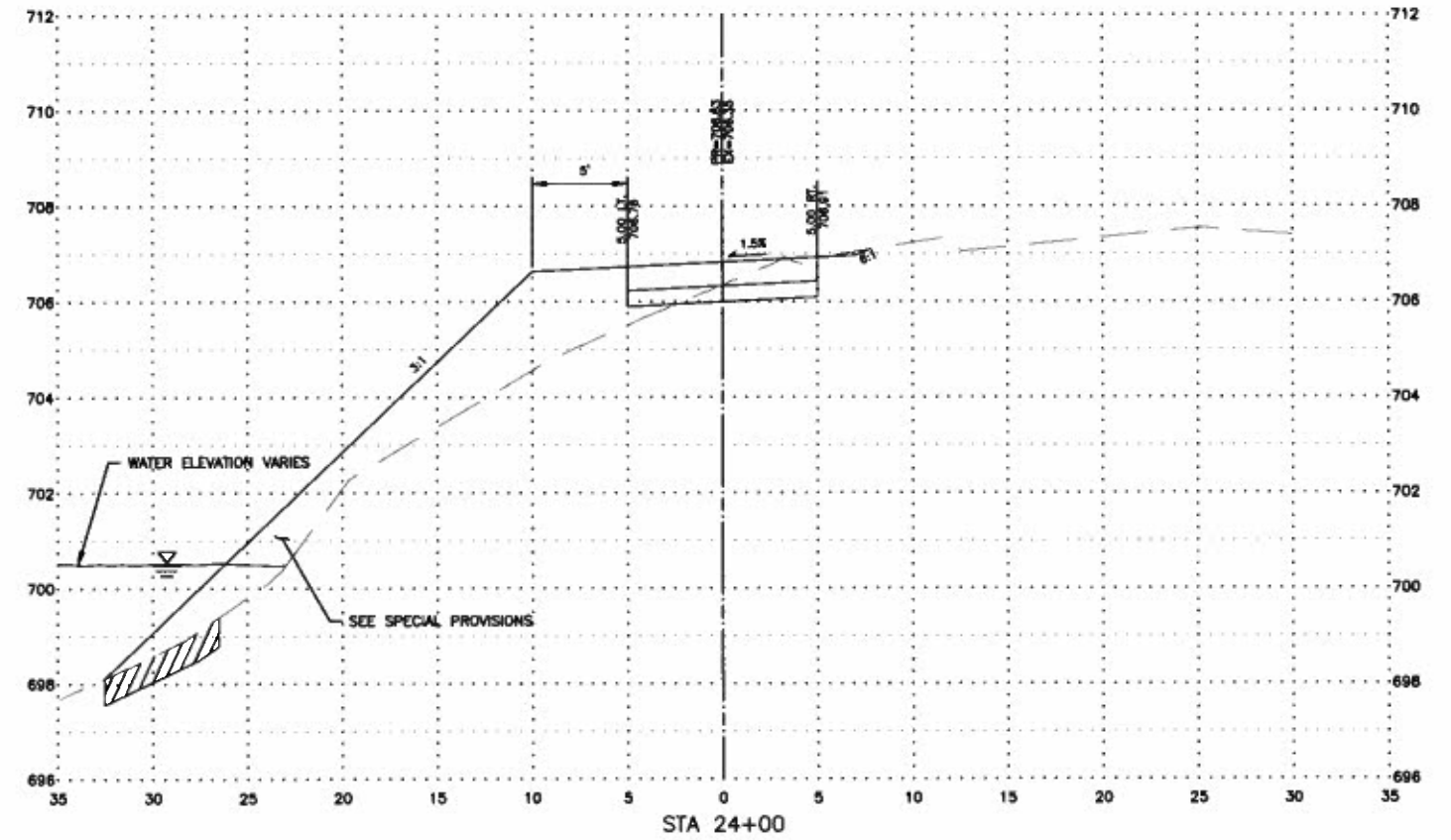
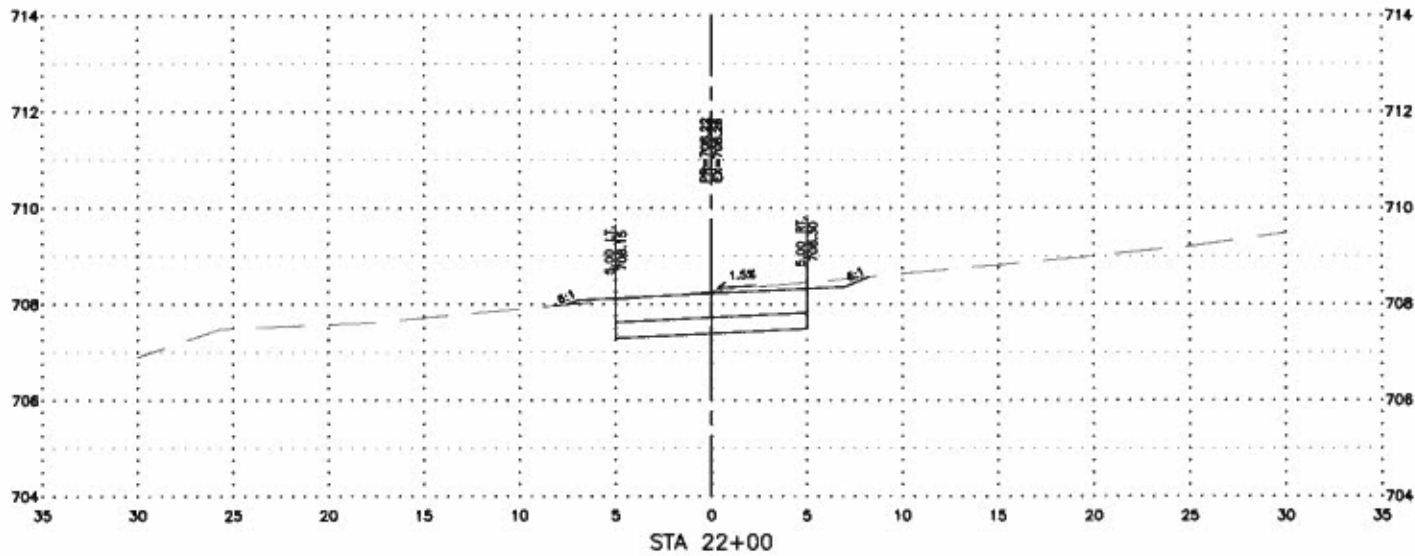
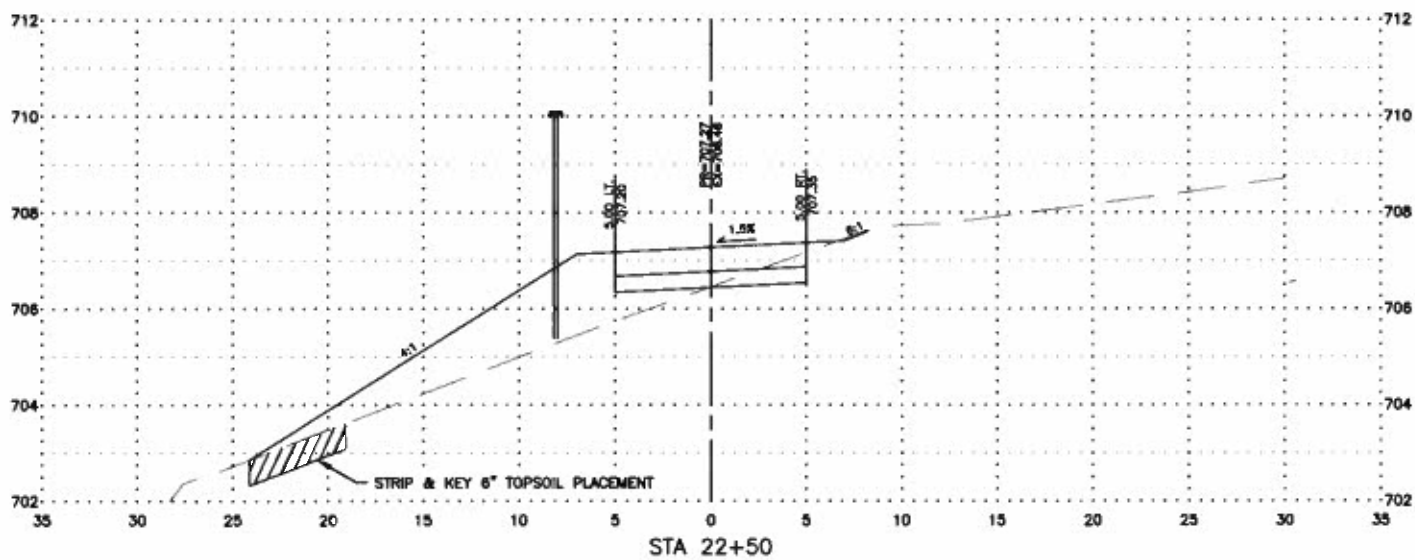
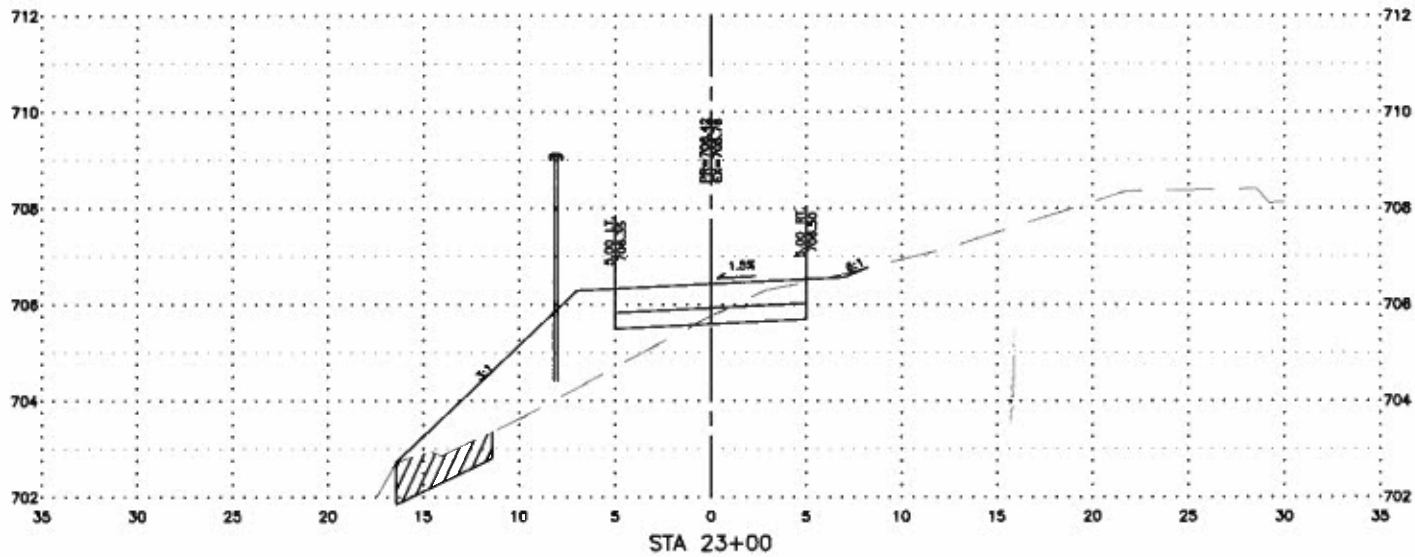
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URBANA, ILLINOIS 61802

PROJECT AND LOCATION:  
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CRYSTAL LAKE SHARED USE PATH  
URBANA, ILLINOIS

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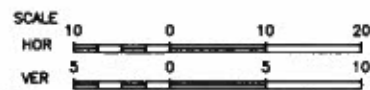
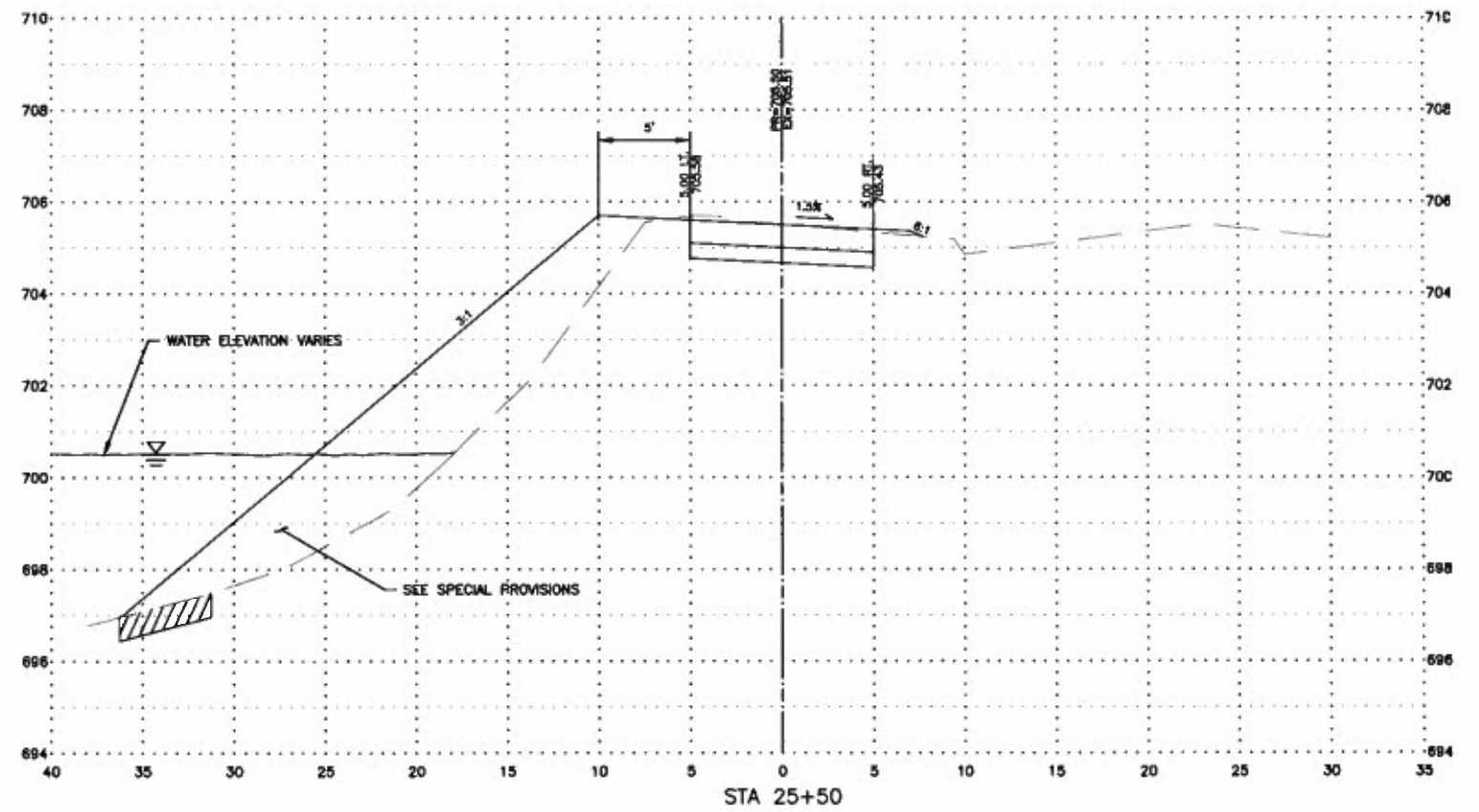
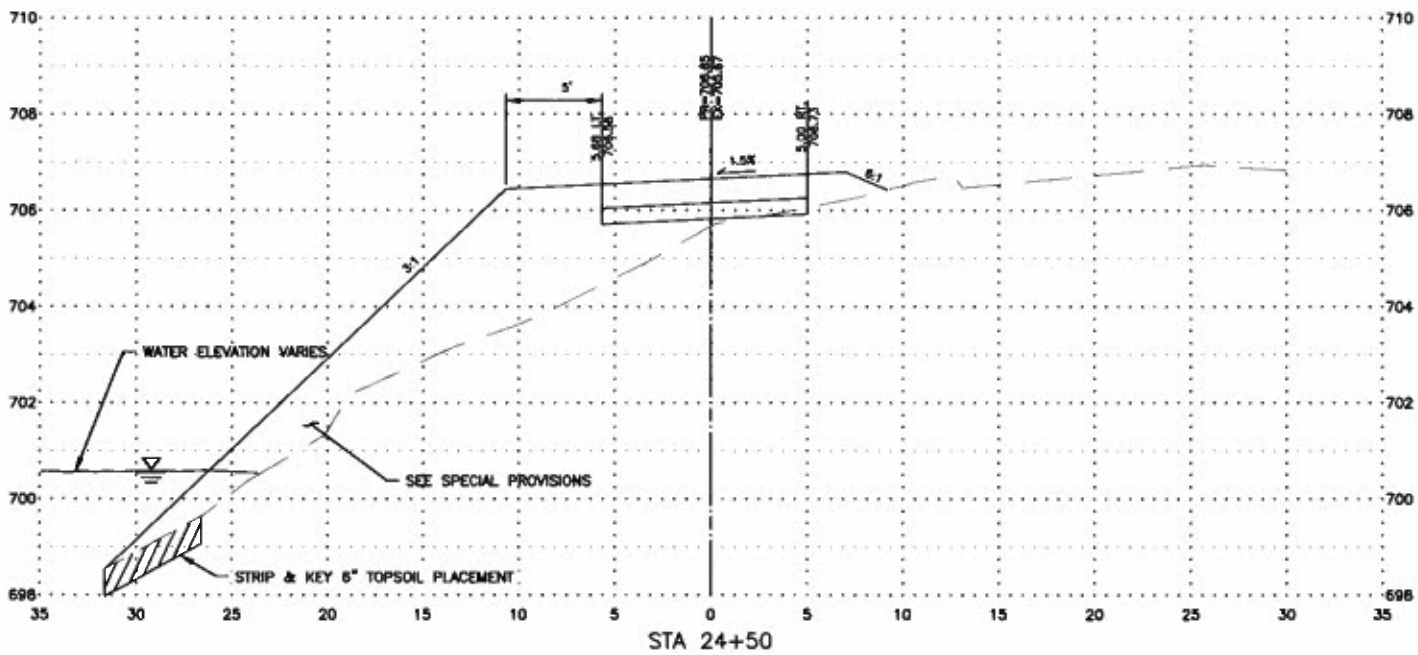
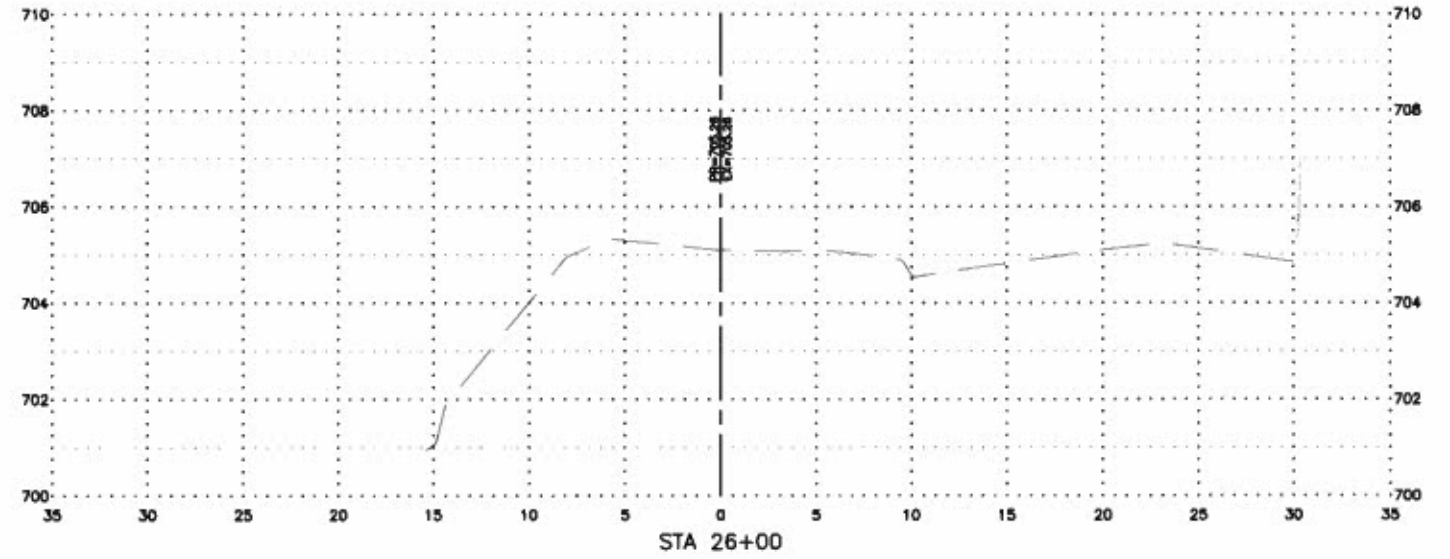
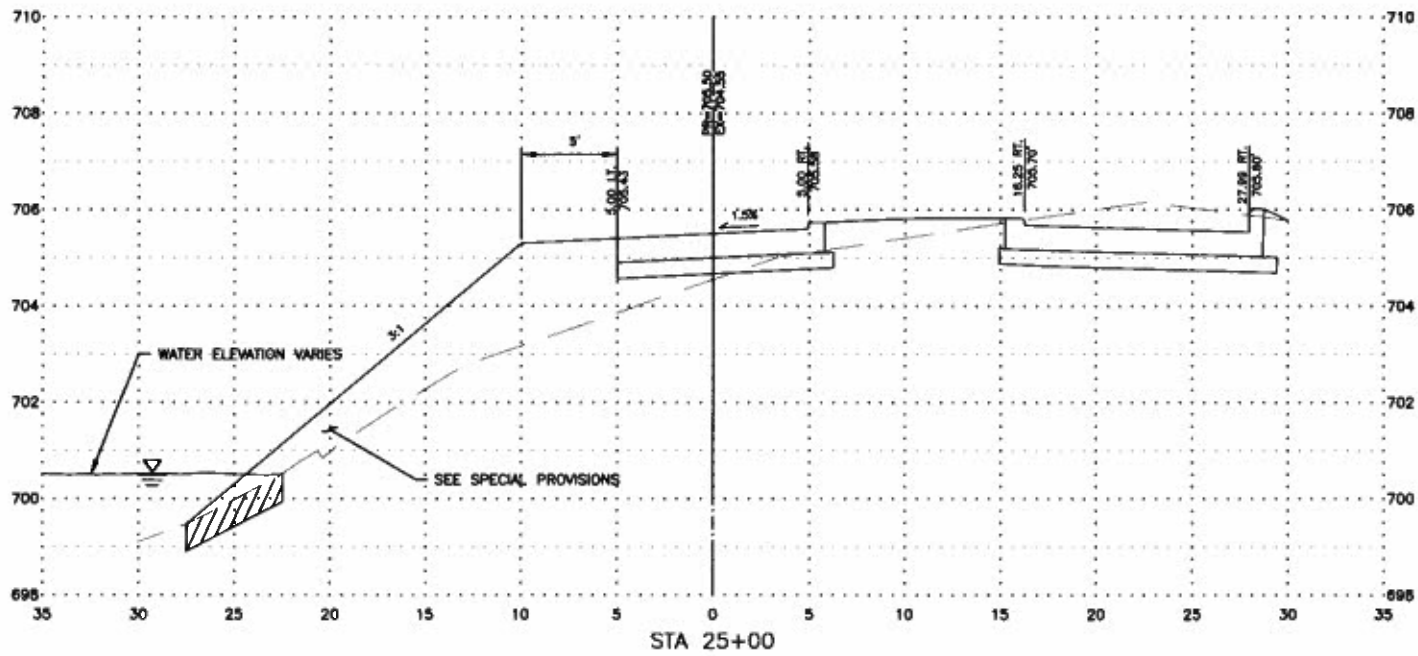
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