

CITY OF FOREST PARK

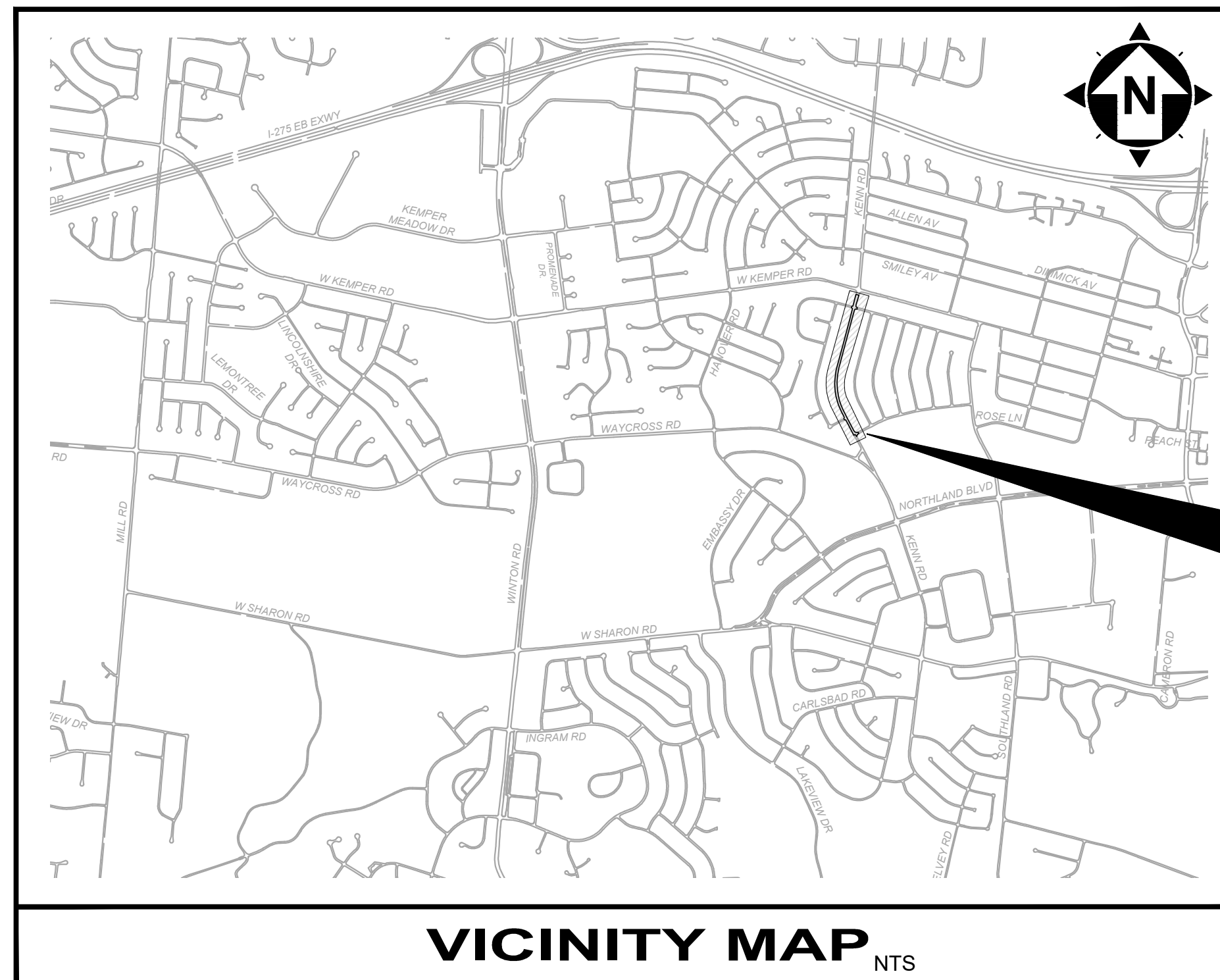
HAMILTON COUNTY, OHIO

KENN ROAD CORRIDOR IMPROVEMENTS

230225
APRIL, 2024

CITY OFFICIALS

- MAYOR**
AHARON BROWN
- 1ST VICE-MAYOR**
DENISE HOLT
- 2ND VICE-MAYOR**
ROSALIND MOORE
- CLERK OF COUNCIL**
SALLY BOYD
- CITY COUNCIL**
TRAVINA ADAMS
CHELSEA CLARK
TERENCE HARRISON
REGINALD SYLVESTER



VICINITY MAP
NTS

ODOT STANDARD DRAWINGS

THE CURRENT EDITION OF THE ODOT STANDARD DRAWINGS ARE HEREBY MADE PART OF THESE PLANS.

PROJECT SPECIFICATIONS

IN GENERAL, THE PROJECT SPECIFICATIONS CONFORM TO THE 2023 STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS THERETO. THE PROJECT SPECIFICATIONS, UNDER SEPERATE COVER, PREPARED BY CT CONSULTANTS SHALL GOVERN ALL WORK AND MATERIALS FOR THIS PROJECT.

UNDERGROUND UTILITIES

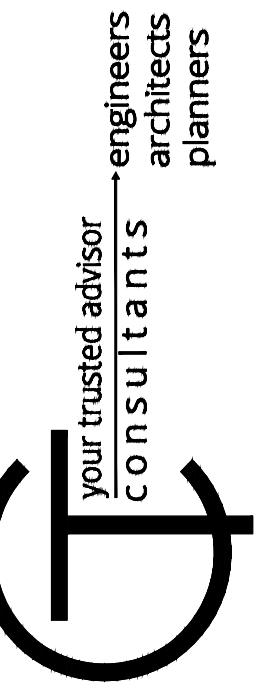
Contact Two Working Days Before You Dig



OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

INDEX OF SHEETS

TITLE SHEET	1
TYPICAL SECTIONS	2
GENERAL NOTES	3-4
PLAN SHEETS	5-7
PAVEMENT MARKING PLANS	8-10
DETAILS	11-12



ISSUED FOR:	BID NO.	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
		4/18/2024	NTS	EMOR	JBOV	FTWE

**KENN ROAD
CORRIDOR IMPROVEMENTS
CITY OF FOREST PARK,
HAMILTON COUNTY, OHIO**

TITLE SHEET

APPROVED FOR CONSTRUCTION BY:

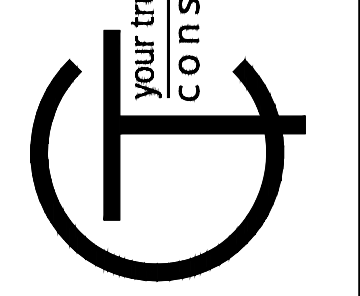
SCOTT FALKOWSKI, DIRECTOR OF PUBLIC WORKS



ERIC MORRIS, P.E. #E-67084

PROJECT NO.	230225
DISCIPLINE	CIVIL
SHEET NAME	TITLE
SHEET OF	1 12

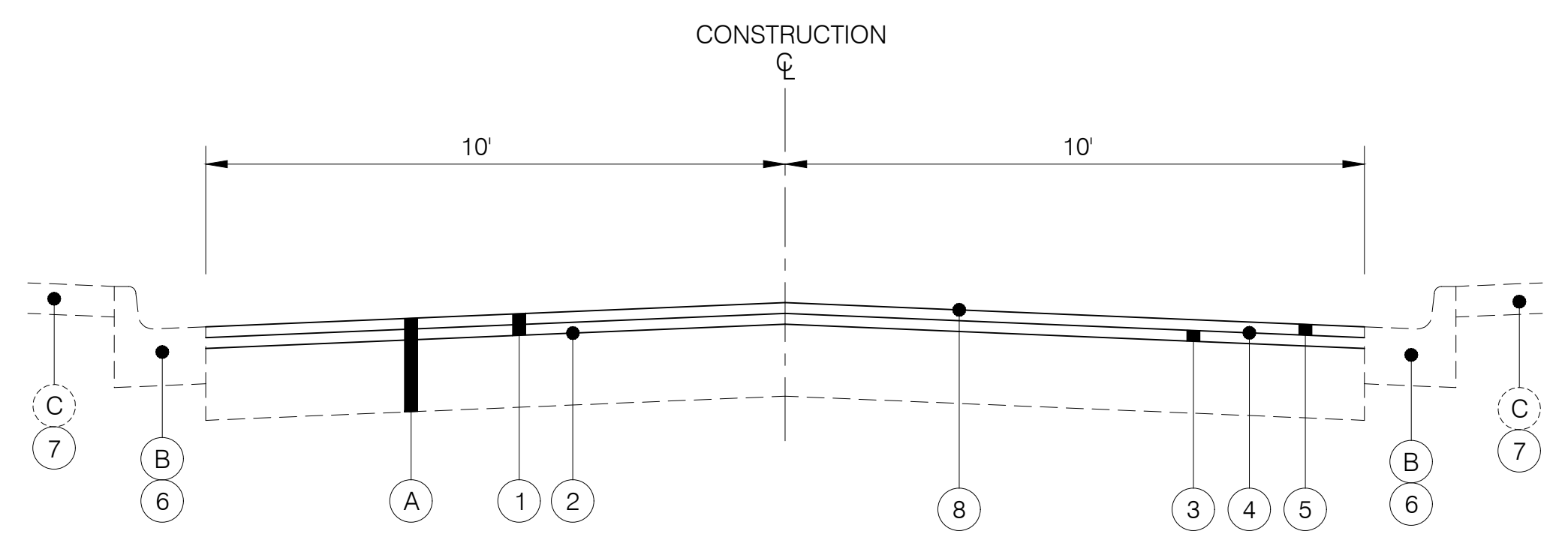
H:\2023\230225\DWG\SHEET19230225.DWG - 1 TITLE SHEET - 4/12/2024 12:58:24 PM - ERIC MORRIS



DATE	REVISION	NO	BID NO	ISSUED FOR	ISSUE DATE	SCALE	DESIGNED BY	EMOR	DRAWN BY	JBOW	CHECKED BY	FTWE
			47182024		4/18/2024							

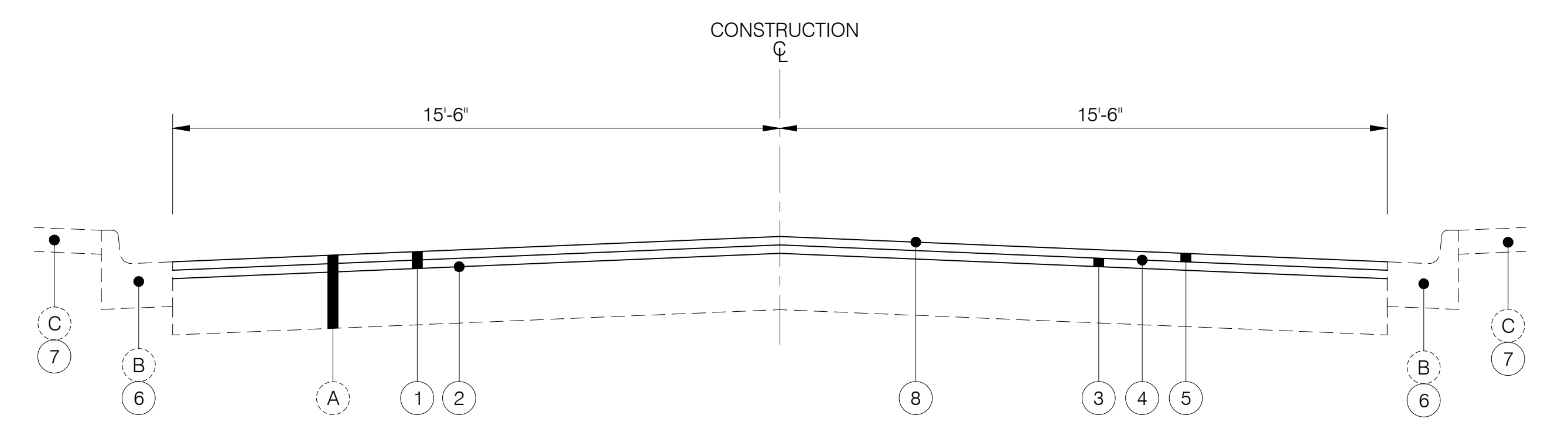
KENN ROAD
TRANSIT CORRIDOR IMPROVEMENTS
 CITY OF FOREST PARK,
 HAMILTON COUNTY, OHIO
TYPICAL SECTIONS

PROJECT NO.	230225
DISCIPLINE	CIVIL
SHEET NAME	TYP
SHEET	2
OF	12



- | | | |
|---|--|--------------------------------|
| ① ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (2-1/2") | ⑤ ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22 (1-1/2") | EXISTING LEGEND |
| ② ITEM 441 - ASPHALT CONCRETE MISC: STRESS ABSORBING MEMBRANE (SAMI) | ⑥ ITEM 609 - CURB, TYPE 2 REPLACEMENT, SEE PLAN FOR LOCATIONS | Ⓐ EXISTING ASPHALT PAVEMENT |
| ③ ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22 (1") | ⑦ ITEM 608 - CONCRETE WALK/DRIVE REPLACEMENT, SEE PLAN FOR LOCATIONS | Ⓑ EXISTING CONCRETE CURB |
| ④ ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE (@ 0.06 Gals/SY) | ⑧ ITEM SPL - ASPHALT CONCRETE MISC., ASPHALT REJUVENATING AGENT | Ⓒ EXISTING CONCRETE WALK/DRIVE |

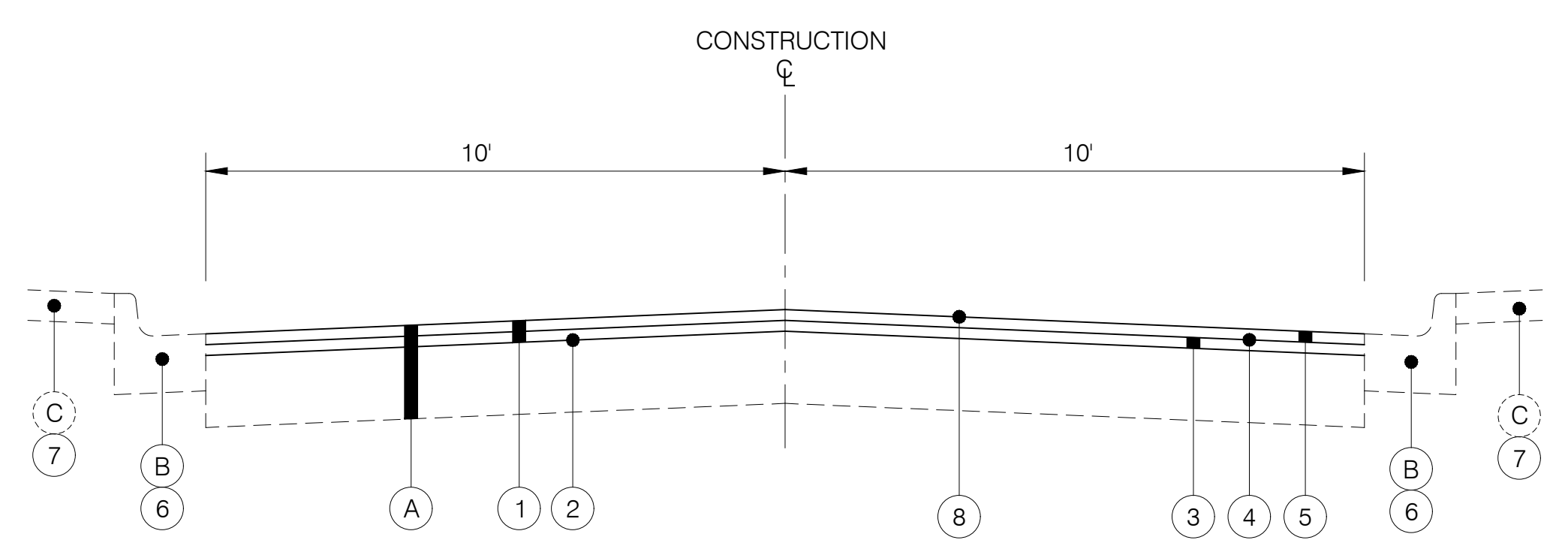
TYPICAL SECTION - FAIRBORN ROAD



- | | | |
|---|--|--------------------------------|
| ① ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (2-1/2") | ⑤ ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22 (1-1/2") | EXISTING LEGEND |
| ② ITEM 441 - ASPHALT CONCRETE MISC: STRESS ABSORBING MEMBRANE (SAMI) | ⑥ ITEM 609 - CURB, TYPE 2 REPLACEMENT, SEE PLAN FOR LOCATIONS | Ⓐ EXISTING ASPHALT PAVEMENT |
| ③ ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22 (1") | ⑦ ITEM 608 - CONCRETE WALK/DRIVE REPLACEMENT, SEE PLAN FOR LOCATIONS | Ⓑ EXISTING CONCRETE CURB |
| ④ ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE (@ 0.06 Gals/SY) | ⑧ ITEM SPL - ASPHALT CONCRETE MISC., ASPHALT REJUVENATING AGENT | Ⓒ EXISTING CONCRETE WALK/DRIVE |

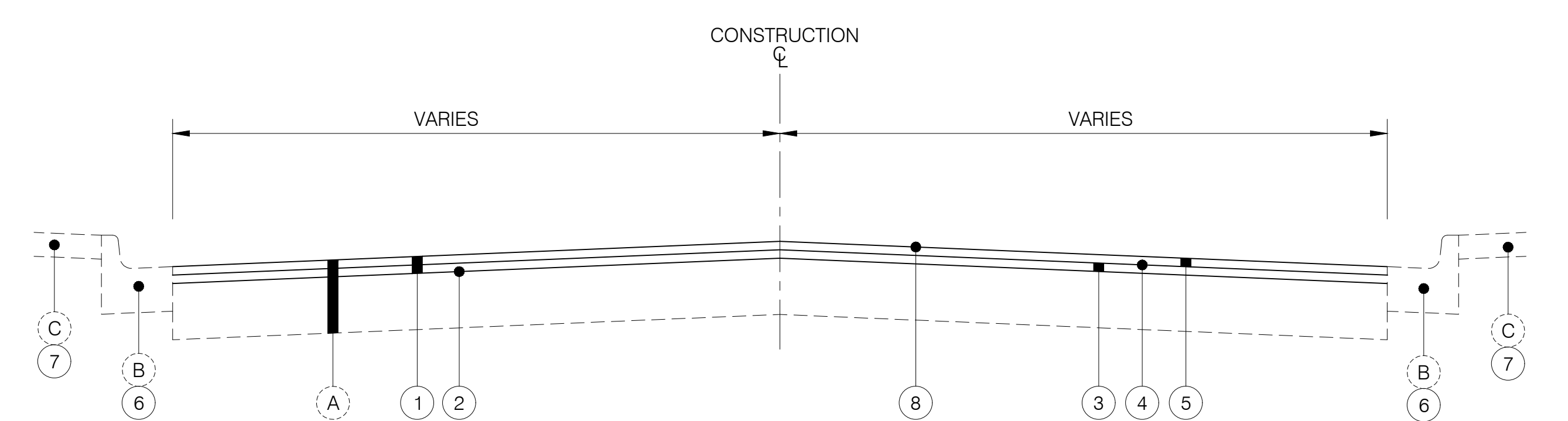
TYPICAL SECTION - KENN ROAD

STA. 0+00 TO STA. 21+00



- | | | |
|---|--|--------------------------------|
| ① ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (2-1/2") | ⑤ ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22 (1-1/2") | EXISTING LEGEND |
| ② ITEM 441 - ASPHALT CONCRETE MISC: STRESS ABSORBING MEMBRANE (SAMI) | ⑥ ITEM 609 - CURB, TYPE 2 REPLACEMENT, SEE PLAN FOR LOCATIONS | Ⓐ EXISTING ASPHALT PAVEMENT |
| ③ ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22 (1") | ⑦ ITEM 608 - CONCRETE WALK/DRIVE REPLACEMENT, SEE PLAN FOR LOCATIONS | Ⓑ EXISTING CONCRETE CURB |
| ④ ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE (@ 0.06 Gals/SY) | ⑧ ITEM SPL - ASPHALT CONCRETE MISC., ASPHALT REJUVENATING AGENT | Ⓒ EXISTING CONCRETE WALK/DRIVE |

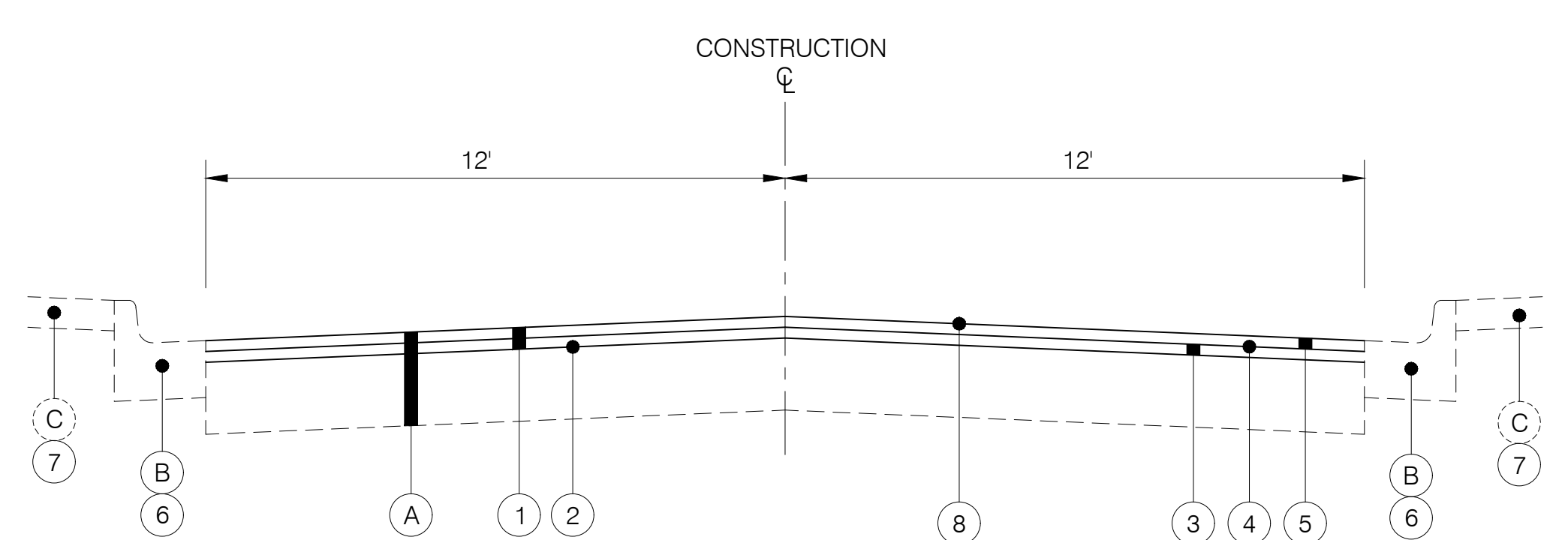
TYPICAL SECTION - FARMINGTON ROAD



- | | | |
|---|--|--------------------------------|
| ① ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (2-1/2") | ⑤ ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22 (1-1/2") | EXISTING LEGEND |
| ② ITEM 441 - ASPHALT CONCRETE MISC: STRESS ABSORBING MEMBRANE (SAMI) | ⑥ ITEM 609 - CURB, TYPE 2 REPLACEMENT, SEE PLAN FOR LOCATIONS | Ⓐ EXISTING ASPHALT PAVEMENT |
| ③ ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22 (1") | ⑦ ITEM 608 - CONCRETE WALK/DRIVE REPLACEMENT, SEE PLAN FOR LOCATIONS | Ⓑ EXISTING CONCRETE CURB |
| ④ ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE (@ 0.06 Gals/SY) | ⑧ ITEM SPL - ASPHALT CONCRETE MISC., ASPHALT REJUVENATING AGENT | Ⓒ EXISTING CONCRETE WALK/DRIVE |

TYPICAL SECTION - KENN ROAD

STA. 21+00 TO STA. 23+43



- | | | |
|---|--|--------------------------------|
| ① ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (2-1/2") | ⑤ ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22 (1-1/2") | EXISTING LEGEND |
| ② ITEM 441 - ASPHALT CONCRETE MISC: STRESS ABSORBING MEMBRANE (SAMI) | ⑥ ITEM 609 - CURB, TYPE 2 REPLACEMENT, SEE PLAN FOR LOCATIONS | Ⓐ EXISTING ASPHALT PAVEMENT |
| ③ ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22 (1") | ⑦ ITEM 608 - CONCRETE WALK/DRIVE REPLACEMENT, SEE PLAN FOR LOCATIONS | Ⓑ EXISTING CONCRETE CURB |
| ④ ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE (@ 0.06 Gals/SY) | ⑧ ITEM SPL - ASPHALT CONCRETE MISC., ASPHALT REJUVENATING AGENT | Ⓒ EXISTING CONCRETE WALK/DRIVE |

TYPICAL SECTION - FRESNO DRIVE

GENERAL NOTES

IN GENERAL, UNLESS SPECIFICALLY SET FORTH HEREIN, THE WORK AND MATERIALS SHALL CONFORM TO THE APPLICABLE DIVISIONS AND PARAGRAPHS OF THE MOST CURRENT EDITION OF THE:

STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS

MATERIALS AND SPECIFICATIONS

UNLESS OTHERWISE SPECIFIED, ALL MATERIALS SHALL BE NEW AND BOTH WORKMANSHIP AND MATERIALS SHALL BE OF PREMIUM QUALITY, PROPER AND SUFFICIENT FOR THE PURPOSE CONTEMPLATED. THE CONTRACTOR SHALL FURNISH, IF SO REQUIRED, SATISFACTORY EVIDENCE AS TO TYPE AND QUALITY OF MATERIALS AND WORKMANSHIP.

ALL ITEMS OF EQUIPMENT AND/OR MATERIAL PROPOSED BY THE CONTRACTOR FOR SUBSTITUTIONS MUST BE APPROVED BY THE ENGINEER IN WRITING AND SHALL BE EQUAL OR SUPERIOR TO THE ITEMS SPECIFIED IN THE CONTRACT DOCUMENTS. IF SAID SUBSTITUTION PROPOSED BY THE CONTRACTOR FOR A SPECIFIED ITEM REQUIRES ENGINEERING REVISIONS, THE TOTAL EXPENSE OF SAID REVISIONS SHALL BE PAID BY THE CONTRACTOR.

ANY ITEMS OF LABOR AND MATERIALS REQUIRED BUT NOT SHOWN AS A SEPARATE PAY ITEM IN THE PROPOSAL SHALL BE FURNISHED AND INSTALLED AS INCIDENTAL TO THE CONTRACT, EXCEPT AS NOTED IN THE PLANS AND SPECIFICATIONS.

PERMITS

THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY ALL CHARGES AND FEES AS MAY BE NECESSARY AND REQUIRED BY THE CITY OR STATE.

RESPONSIBILITY

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM HIS WORK IN SUCH A MANNER AS NOT TO DAMAGE OR DESTROY ANY EXISTING FEATURE. (I.E. EXISTING INLETS, CONDUITS, ETC.) WHICH IS NOT MARKED FOR REPLACEMENT OR REMOVAL. IF ANY SUCH DAMAGE DOES OCCUR DUE TO THE OPERATIONS OF THE CONTRACTOR, HE SHALL REPLACE THE DAMAGED PORTION AT HIS EXPENSE.

THE CONTRACTOR SHALL EXERCISE DUE CARE DURING CONSTRUCTION SO AS NOT TO DESTROY ANY TREES, PLANTS, SHRUBS OR STRUCTURES OUTSIDE OF THE INDICATED WORK LIMITS AND THOSE NOT SPECIFICALLY MARKED FOR REMOVAL OR RELOCATION WITHIN THE WORK LIMITS.

IN SOME INSTANCES, THE CONTRACTOR WILL BE REQUIRED TO EXCAVATE UNDER AND AROUND THE EXISTING UTILITIES. EXTREME CARE SHOULD BE USED NOT TO DAMAGE THE UTILITY DURING THIS OPERATION.

WATER POLLUTION, SOIL EROSION AND SILTATION CONTROL

THE CONTRACTOR SHALL TAKE EXTREME CARE AND UTILIZE BEST MANAGEMENT PRACTICES TO CONTROL SEDIMENT AND EROSION DURING THE PROJECT AND TO PREVENT UNNECESSARY EROSION, WATER POLLUTION AND SILTATION AT ALL POINTS OF THE PROJECT. TEMPORARY SEEDING AND MULCHING; INLET PROTECTION; STRAW BALES; SLOPE DRAINS, ETC., SHALL BE USED AS NECESSARY OR AS DIRECTED BY THE CITY, THE COST OF WHICH SHALL BE INCIDENTAL TO THE OVERALL CONTRACT PRICE.

EROSION AND DUST CONTROL

THE CONTRACTOR SHALL TAKE EXTREME CARE TO PREVENT UNNECESSARY EROSION AT ALL POINTS OF THE PROJECT.

DUST SHALL BE KEPT TO A MINIMUM. COST OF EQUIPMENT, WATER, LABOR AND MATERIAL, ETC. REQUIRED TO PERFORM DUST CONTROL SHALL BE INCIDENTAL TO THE OVERALL BID PRICE.

TESTING

THE CONTRACTOR SHALL INCLUDE THE COST OF ALL REQUIRED TESTS IN THE UNIT PRICE BID FOR THE PERTINENT ITEM AND NO SEPARATE COMPENSATION IS TO BE MADE FOR SAID TESTING.

CITY OWNED TRAFFIC SIGNS, POSTS, SIGNALS, AND POLES

TRAFFIC SIGNS, POSTS, SIGNAL EQUIPMENT AND POLES THAT ARE NOT INTENDED TO BE REUSED SHALL BE CAREFULLY REMOVED, CLEANED AND DELIVERED TO THE CITY MAINTENANCE GARAGE FOR INSPECTION AND STORAGE. IF ANY OF THOSE ITEMS GET DAMAGED BY THE CONTRACTOR THEY SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE CITY.

PROTECTION OF MONUMENTATION

CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ANY SURVEY MONUMENTS ENCOUNTERED IN FIELD. COST FOR PROTECTION, RELOCATION AND COORDINATION WITH COUNTY TO BE MADE INCIDENTAL TO OVERALL CONTRACT PRICE.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE CITY OF FOREST PARK, THE CONTRACTOR WITH THE CITY ENGINEER OR INSPECTOR SHALL MAKE AN INSPECTION OF THE EXISTING SEWERS WITHIN THE WORK LIMITS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTIONS SHALL BE KEPT IN WRITING BY THE CONTRACTOR.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE CITY.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCIDENTAL TO THE CONTRACT.

CONNECTIONS

EXISTING ROOF DRAINS, FOOTER DRAINS OR YARD DRAINS DISTURBED BY THE PROPOSED WORK SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS BY CONNECTING TO A STORM SEWER, MANHOLE, CATCH BASIN, AS DIRECTED BY THE ENGINEER.

THE LOCATION, TYPE, SIZE AND GRADE OF REQUIRED REPLACEMENTS WILL BE DETERMINED BY THE FIELD INSPECTOR DURING CONSTRUCTION.

COORDINATION WITH OTHER CONTRACTORS

OTHER CONTRACTORS AND/OR UTILITY COMPANIES MAY BE WORKING IN THIS AREA CONCURRENT WITH THIS CONTRACT. THE CONTRACTOR SHALL COORDINATE WORK ACTIVITIES WITH ALL OTHER CONTRACTORS IN THE AREA.

MANHOLES, CATCH BASINS AND INLETS

ALL CASTINGS FOR MANHOLES, CATCH BASINS AND INLETS SHALL CONFORM TO THOSE SPECIFIED IN THE STANDARD CONSTRUCTION DRAWINGS. ALL CASTINGS WHICH MIGHT BE SUBJECT TO VEHICLE TRAFFIC SHALL BE OF THE HEAVY DUTY GRADE. GRATED INLET TOPS SHALL BE PLACED AS SPECIFIED ON THE PLANS.

TOP OF CASTING ELEVATIONS ARE SUBJECT TO FINAL ADJUSTMENTS AS APPROVED BY THE ENGINEER. ALL MANHOLES WITHIN WALK AREA SHALL HAVE A FLAT FLUSH COVER. ALL CASTINGS USED SHALL BE SUBJECT TO THE FINAL APPROVAL OF THE ENGINEER.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR PLAN ITEMS SET UP TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED AT THE FIELD INSPECTOR'S DISCRETION SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

SEED, MULCH & FERTILIZER

ALL SEEDING, MULCHING AND FERTILIZING SHALL BE DONE TO DAMAGED AREAS AT THE EXPENSE OF THE CONTRACTOR.

THE CITY ENGINEER SHALL DETERMINE ALL AREAS REQUIRING SEEDING, MULCHING AND FERTILIZER PERTINENT TO THIS CONTRACT.

SAW CUTTING EXISTING PAVEMENT

ALL EXISTING PAVEMENT SHALL BE SAW CUT BEFORE REMOVAL TO OBTAIN A UNIFORM EDGE. THE COST OF SAW CUTTING AND PAVEMENT REMOVAL SHALL BE INCIDENTAL TO THE PERTINENT REMOVAL ITEM.

FIELD ADJUSTMENT OF PROPOSED ELEVATIONS

UPON COMPLETION OF THE PROPOSED TOP OF CURB AND CENTERLINE ELEVATIONS LAYOUT STAKING, THE ENGINEER WILL REVIEW AND ADJUST THE PROPOSED ELEVATIONS AT THE ENGINEERS DISCRETION.

ITEM 452, NON-REINFORCED CONCRETE PAVEMENT, MISC.: 6" PLAIN PORTLAND CEMENT CONCRETE DRIVEWAY REMOVAL & REPLACEMENT

IN ADDITION TO THE SPECIFICATIONS PROVIDED IN THE BID BOOK, DETAILS PROVIDED ON THE DRIVEWAY SHEETS, THE FOLLOW SHALL APPLY:

1. THE ABOVE-NOTED BID ITEMS ARE ALL-INCLUSIVE COSTS FOR THE COMPLETE REMOVAL AND CONSTRUCTION OF THE DRIVEWAY SECTIONS AS NOTED IN THE PLANS.
2. THE INTENT IS FOR THE HORIZONTAL LOCATION TO MATCH THE EXISTING DRIVEWAY, UNLESS OTHERWISE NOTED. THE FINAL LOCATIONS, ETC., MAY BE REVIEWED BY THE ENGINEER WHO MAY ADJUST THE LOCATION AT THEIR DISCRETION.
3. CONCRETE SHALL BE CLASS QC MS.

DOWN TIME DUE TO FIELD CONFLICTS

DURING THE CONSTRUCTION ACTIVITIES OF THIS PROJECT, THERE MAY BE TIMES WHEN THE CONSTRUCTION IN SOME AREAS MAY NEED TO BE SUSPENDED PENDING RESPONSE ON, OR RESOLUTION TO AN ISSUE FROM THE OWNER AND/OR ENGINEER. THE CONTRACTOR, IN THIS CASE SHALL MOVE THE CREWS AND EQUIPMENT TO WORK IN A DIFFERENT AREA OR ON A DIFFERENT TASK. COST OF MOBILIZING AND DEMOBILIZING OF THE CONTRACTORS WORK CREWS AND EQUIPMENT INCLUDING "DOWNTIME" SHALL BE INCIDENTAL TO THE OVERALL BID PRICE FOR THIS PROJECT.

UTILITIES

UTILITIES DATA IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANIES AND HAS NOT BEEN VERIFIED BY THE ENGINEER. THE ENGINEER OR THE OWNER IS NOT RESPONSIBLE OR LIABLE FOR DATA SUPPLIED BY OTHERS.

UTILITIES NOT UNDERGROUND, AND PRIVATE SEPTIC SYSTEMS IN SINGLE OR DOUBLE FAMILY DWELLINGS UTILIZED FOR ONLY THAT DWELLING AND NOT CONNECTED TO ANY OTHER SYSTEM ARE NOT INCLUDED ON THE PLAN.

WITHIN 10 DAYS OF THE AWARD OF THE CONTRACT, THE OWNER SHALL NOTIFY ALL UTILITIES OF THE NAME, ADDRESS AND PHONE NUMBER OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE REGISTERED UNDERGROUND UTILITY PROTECTION SERVICE AND NON-MEMBER OWNERS OF THE STARTING DATE AT LEAST TWO WORKING DAYS PRIOR TO STARTING WORK. THE UTILITY SHALL MARK, STAKE OR OTHERWISE DESIGNATE THE LOCATION OF THE UNDERGROUND FACILITIES WITHIN 48 HOURS OF RECEIVING THE CONTRACTORS NOTICE OF A STARTING DATE. THE MARKING OR LOCATING SHALL BE COORDINATED TO STAY APPROXIMATELY TWO DAYS AHEAD OF THE PLANNED CONSTRUCTION.

DURING CONSTRUCTION, THE CONTRACTOR SHALL REPORT IMMEDIATELY TO THE OWNERS OF THE UNDERGROUND FACILITIES ANY BREAK OR LEAK IN THE FACILITIES, OR ANY DENT, GOUGE, GROOVE OR OTHER DAMAGE. THE CONTRACTOR SHALL NOTIFY NEARBY OCCUPANTS OF ANY EMERGENCY SITUATION THAT MAY ARISE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL UTILITY ACTIVITIES AND SCHEDULES.

UTILITY COORDINATION

UTILITY COORDINATION WILL BE ONGOING THROUGHOUT THE PROJECT BETWEEN THE CITY ENGINEER AND THE UTILITIES IN THE AREA. ALL UTILITY RELOCATIONS SHALL BE COORDINATED BETWEEN CONTRACTOR AND THE UTILITY OWNERS IN SUCH A WAY AS TO AVOID AND/OR MINIMIZE ANY INCONVENIENCE TO POTENTIALLY AFFECTED CUSTOMERS. ALL UTILITY RELOCATIONS NOT INCLUDED IN THIS CONTRACT SHALL BE ONGOING THROUGHOUT THE CONSTRUCTION PERIOD. UPON THE CONTRACT AWARD, THE COORDINATION OF ALL NECESSARY RELOCATIONS WITH THE UTILITIES SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR.

UTILITY OWNERSHIP

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT:

ELECTRIC (DAVID MANNING)

DUKE ENERGY
139 E. FOURTH STREET
ROOM 467, ANNEX
CINCINNATI, OH 45201
513-287-2689

SEWER (ROB FRANKLIN)
METROPOLITAN SEWER DISTRICT OF
GREATER CINCINNATI
1600 GEST STREET
CINCINNATI, OHIO 45204
513-557-7167

GAS (MARK BRANSCUM)

DUKE ENERGY
139 E. FOURTH STREET
ROOM 460-A
CINCINNATI, OH 45201
513-287-2762

CABLE TV (KENT REIGER)

CHARTER COMMUNICATIONS
11252 CORNELL PARK DRIVE
10920 KENWOOD ROAD
CINCINNATI, OHIO 45242
513-469-5483

TELEPHONE

(BRECK M. COWN)
CINCINNATI BELL TELEPHONE
COMPANY
221 E. FOURTH STREET
BLDG. 121-900
CINCINNATI, OHIO 45201
513-565-7043

WATER (KYLE BUCKLEY)

GREATER CINCINNATI WATER WORKS
4747 SPRING GROVE AVENUE
CINCINNATI, OHIO 45232
513-591-5007

STORM

CITY OF FOREST PARK
1201 W KEMPER ROAD
CINCINNATI, OHIO 45240
513-595-5258

STRUCTURAL GENERAL NOTES

DESIGN SPECIFICATIONS

GOVERNING BUILDING CODE: 2011 OHIO BASIC BUILDING CODE

CONCRETE

ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE LATEST SPECIFICATIONS OF THE AMERICAN CONCRETE INSTITUTE AND THE CONCRETE REINFORCING STEEL INSTITUTE.

CONCRETE STRENGTHS AT 28 DAYS:
SPREAD FOOTINGS 3000 PSI

AT CORNERS AND INTERSECTIONS OF FOOTINGS AND WALLS, PROVIDE BENT BARS OF EQUAL SIZE AND AT SAME SPACING AS TYPICAL REINFORCING AROUND CORNER AND/OR INTO ABUTTING WALL. BARS SHALL HAVE EMBEDMENT OF 18 DIAMETERS (12" MINIMUM) PAST INSIDE EDGE OF CORNER.

WHERE CONCRETE IS PLACED DIRECTLY ON GROUND, REINFORCING STEEL SHALL HAVE 3" OF CONCRETE COVER. AT ALL OTHER PLACES, CONCRETE COVER TO BE A MIN. OF 1 1/2" UNLESS NOTED OTHERWISE.

ALL CONCRETE EXPOSED TO WEATHER SHALL BE AIR ENTRAINED.

REINFORCING STEEL : ASTM A615 OR A616, GRADE 60. MINIMUM LAP LENGTH - 48 DIAMETERS.

PROVIDE (2) #5 REBARS, 5'-0" LONG AT ALL CORNERS IN INTERIOR SLAB.

FOUNDATIONS

ALL SOIL BEARING SURFACES SHALL BE LEVEL (WITHIN 1/4" IN 12).

FOUNDATION ELEVATIONS SHOWN ARE FOR BIDDING PURPOSES AND MAY VARY TO SUIT SUBSURFACE SOIL CONDITIONS.

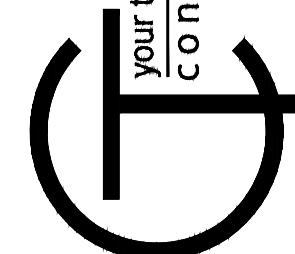
GENERAL

IN ACCORDANCE WITH THE GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THE REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

ANY INFORMATION OR DATA ON THESE DRAWINGS IS NOT INTENDED TO BE SUITABLE FOR REUSE BY ANY PERSON, FIRM OR CORPORATION OR ANY OTHERS ON EXTENSIONS OF THE PROJECT OR FOR ANY USE ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION AND ADAPTATION BY THE ENGINEER FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT THE USERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO THE ENGINEER.

engineers
architects
planners

your trusted advisor
consultants



ISSUED FOR:	BID	NO	REVISION	DATE
ISSUE DATE:	4/18/2024			
SCALE:	XX'-XX"			
DESIGNED BY:	EMOR			
DRAWN BY:	JBOW			
CHECKED BY:	FTWE			

**KENN ROAD
CORRIDOR IMPROVEMENTS
CITY OF FOREST PARK,
HAMILTON COUNTY, OHIO**

GENERAL NOTES

PROJECT NO.	
230225	
DISCIPLINE	
CIVIL	
SHEET NAME	
GN1	
SHEET	OF
3	12

GENERAL NOTES

ITEM 614, MAINTAINING TRAFFIC

THE REQUIREMENTS FOR MAINTAINING TRAFFIC SHALL BE AS INDICATED IN THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", CURRENT EDITION, THE PROPOSAL, THE SPECIFICATIONS, AND THESE PLANS. ANY VARIANCE FROM THESE REQUIREMENTS SHALL BE APPROVED IN ADVANCE BY THE DIRECTOR IN WRITING.

- A. BEFORE WORK BEGINS, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE NAMES AND TELEPHONE NUMBERS OF PERSONS WHO CAN BE CONTACTED 24 HOURS A DAY BY THE CITY OF FOREST PARK AND ALL INTERESTED POLICE AGENCIES. THESE PERSONS SHALL BE RESPONSIBLE FOR PLACING OR REPLACING NECESSARY TRAFFIC CONTROL DEVICES TO MAINTAIN THE TRAVELED PAVEMENT SAFELY.
- B. TRAFFIC SHALL BE MAINTAINED AT ALL INTERSECTIONS AND DRIVES AT ALL TIMES, AND SHALL BE CONTROLLED WITH FLAGGERS AND TRAFFIC CONTROL DEVICES AS REQUIRED AND SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
- C. LANE CLOSURES THAT LIMIT TRAFFIC TO 1 WAY IS ALLOWABLE, AS NOTED BELOW FOR SPECIFIC TIMES, AND SHALL BE FLAGGED IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- D. LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.
- G. LANE CLOSURES ARE NOT ALLOWED OVERNIGHT. ANY COST FOR ITEMS NOT SPECIFICALLY NOTED UNDER THE MAINTENANCE OF TRAFFIC NOTE OR TEMPORARY PAVEMENT MARKING NOTE REQUIRED TO REOPEN LANES SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 614, MOT.

THE CONTRACTOR SHALL OBEY ALL LOCAL LAWS AND ORDINANCES INCLUDING ANY NOISE RESTRICTIONS.

THE CONTRACTOR SHALL MAINTAIN LOCAL TRAFFIC AT ALL TIMES IN ACCORDANCE WITH THE REQUIREMENTS OF SPEC. 614.

SPECIFIC ATTENTION WILL BE DIRECTED TOWARD THE PROPER USE OF FLAGGERS, LIGHTS, DRUMS, AND TEMPORARY PAVEMENT MARKINGS. THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL NECESSARY SIGNS, AND PROVIDE TEMPORARY STRIPING. ALL WORK ZONES SHALL CONFORM TO THE OHIO MANUAL OF UNIFORM CONTROL DEVICES. THE CONTRACTOR SHALL ALSO PROVIDE ALL PLATING, TEMPORARY PAVEMENT AND TRAFFIC CONTROL MEASURES NECESSARY TO MAINTAIN TRAFFIC. THE COST OF ALL TEMPORARY TRAFFIC CONTROL ITEMS NECESSARY TO SAFELY MAINTAIN TRAFFIC SHALL BE INCLUDED WITH PAYMENT FOR ITEM 614 MAINTAINING TRAFFIC.

MAINTENANCE OF TRAFFIC SHALL BE ONGOING THROUGH THE PROJECT, INCLUDING ALL PERIODS OF INACTIVITY BY THE CONTRACTOR, UNTIL FINAL ACCEPTANCE OF THE PROJECT.

MAINTAINING ADJACENT STREET TRAFFIC

THE CONTRACTOR SHALL MAINTAIN TRAFFIC TO ALL ROADWAYS INTERSECTING THE CONSTRUCTION AREAS.

OPEN TRENCHES

ALL OPEN TRENCHES FOR STORM SEWERS, WATERMANS, ETC., SHALL BE PROPERLY DELINEATED FROM THE TRAVELED ROADWAY BY REFLECTIVE DRUMS. TRENCHES SHALL EITHER BE BACKFILLED OR COVERED FOR ANY EXTENDED PERIODS OF NO CONSTRUCTION IN ORDER TO MAINTAIN CONTINUOUS TWO-WAY TRAFFIC, PART WIDTH CONSTRUCTION AND OFF PEAK TRAFFIC VOLUME PERIODS (SEE NOTE "TIME RESTRICTIONS") SHALL BE UTILIZED TO CONSTRUCT ANY REQUIRED UTILITY CROSSEOVERS, LATERALS, OR CATCH BASIN LEADS WITHIN THE TRAVELED ROADWAY.

MAINTENANCE OF DRIVEWAYS

THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL DRIVEWAYS IN GOOD CONDITION WITH RESPECT TO BOTH SAFETY AND SMOOTHNESS OF TRAVEL FOR THE DURATION OF THE PROJECT. THE COST OF ADDITIONAL WORK AND MATERIAL NECESSARY TO REPAIR AND MAINTAIN THE DRIVEWAYS SHALL BE INCIDENTAL TO THE APPROPRIATE PAY ITEM.

CONSTRUCTION STIPULATION

- A. THE CONTRACTOR SHALL NOT STORE MATERIALS AND EQUIPMENT, OPERATE EQUIPMENT ON OR OVER PROPERTY OTHER THAN THE PUBLIC RIGHT-OF-WAY OR AREAS THAT ARE A PART OF THE PROJECT CONSTRUCTION.
- B. THE CONTRACTOR SHALL SUBMIT, IN WRITING, A SCHEDULE OF OPERATIONS TO THE ENGINEER AND RECEIVE APPROVAL BEFORE STARTING WORK ON THIS PROJECT.
- C. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ORGANIZE THE WORK IN SUCH A MANNER TO PROVIDE THE MOST SAFETY WITH THE LEAST INCONVENIENCE TO THE TRAVELING PUBLIC.
- D. THE CONTRACTOR SHALL ALSO FURNISH, INSTALL, MAINTAIN, AND REMOVE ALL ADDITIONAL SIGNS OR TRAFFIC CONTROL DEVICES DEEMED NECESSARY BY THE ENGINEER WITH ALL ASSOCIATED COSTS INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614 - "MAINTENANCE OF TRAFFIC AS PER PLAN."
- E. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING SAFE AND EFFECTIVE TRAFFIC CONTROL 24-HOURS A DAY FOR THE DURATION OF THIS PROJECT. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED, AND REMOVED BY THE CONTRACTOR.

THE CONTRACTOR SHALL NOTIFY AFFECTED RESIDENTS 48 HOURS IN ADVANCE BEFORE COMMENCING WORK.

TEMPORARY BLOCKING OF THE DRIVEWAY TO ANY RESIDENTIAL PROPERTY DURING CONSTRUCTION IS ALLOWABLE (MAX. 120 HOURS), HOWEVER, ACCESS TO PROPERTIES FOR DELIVERIES, SERVICE, EMERGENCY VEHICLES, ETC., SHALL BE MAINTAINED AT ALL TIMES. IN ADDITION, **THE CONTRACTOR MUST NOTIFY ALL RESIDENTS IN WRITING 48 HOURS BEFORE COMMENCING TO ALLOW THEM ADEQUATE TIME TO MOVE ANY VEHICLE IN OR OUT.**

THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO THE RESIDENT AND/OR BUSINESS AND GIVE A COPY OF SAID WRITTEN NOTICE TO THE PROJECT INSPECTOR 48 HOURS PRIOR TO BEING ALLOWED TO COMMENCE WORK WHICH WOULD INVOLVE ACCESS TO SAID PROPERTY.

ITEM 680 - TRASH RECEPTACLES, ITEM 690 - MISC.: BENCHES

1.1 SUMMARY

A. THIS SECTION INCLUDES THE FOLLOWING SITE AND STREET FURNISHINGS:

1. STREET BENCHES.
2. TRASH RECEPTACLES.

1.2 SUBMITTALS

A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED, INCLUDE CONSTRUCTION DETAILS, MATERIAL, DESCRIPTIONS, DIMENSIONS OF INDIVIDUAL COMPONENTS AND PROFILES, FINISHES, FIELD-ASSEMBLY REQUIREMENTS, AND INSTALLATION DETAILS.

B. SAMPLES FOR VERIFICATION: FOR EACH TYPE OF EXPOSED FINISH REQUIRED, PREPARE ON SAMPLES OF SIZE INDICATED BELOW.

1. SIZE: NOT LESS THAN 6-INCH (150-MM) LONG LINEAR COMPONENTS AND 4-INCH (100-MM)) SQUARE SHEET COMPONENTS.
- C. MAINTENANCE DATA: FOR STREET FURNISHINGS TO INCLUDE IN MAINTENANCE MANUALS.

1.3 QUALITY ASSURANCE

- A. SOURCE LIMITATIONS: OBTAIN EACH TYPE OF STREET FURNISHINGS THROUGH ONE SOURCE, FROM A SINGLE MANUFACTURER.
- B. MANUFACTURER'S QUALIFICATIONS: STREET FURNISHINGS MANUFACTURER SHALL HAVE BEEN ACTIVE IN THE COMMERCIAL SITE FURNISHINGS INDUSTRY FOR A MINIMUM OF 35 YEARS.
- C. MANUFACTURER'S DELIVERY SCHEDULE: STREET FURNISHINGS MANUFACTURER SHALL BE ABLE TO FILL ORDERS WITHIN A 40-DAY SCHEDULE.
- D. ALL STREET FURNISHINGS SHALL BE MANUFACTURED IN THE UNITED STATES OF AMERICA, AND SHALL MEET OR EXCEED BIFMA PERFORMANCE AND SAFETY STANDARDS, WHERE APPLICABLE.
- E. PROVIDE BENCHES AND TRASH RECEPTACLES THAT ARE COMPLEMENTARY TO ONE ANOTHER, OR THAT ARE FROM THE SAME MODEL, FAMILY, SERIES, OR GROUP.

1.4 WARRANTY

A. PROVIDE MANUFACTURER'S STANDARD AGREEMENT TO REPAIR, REPLACE, OR REFUND THE PURCHASE PRICE OF ANY ITEM FOUND TO BE DEFECTIVE IN MATERIALS AND/OR WORKMANSHIP, UPON INSPECTION OF AN AUTHORIZED SERVICE REPRESENTATIVE.

1. WARRANTY PERIOD: NOT LESS THAN THREE YEARS FROM THE DATE OF INVOICE.

2.1 MANUFACTURERS

A. PRODUCTS: LANDSCAPE FORMS, INC. "SCARBOROUGH"

1. BENCHES FOR HEAVY USE, EXTERIOR PUBLIC SPACE SEATING.

A. SIZE AND CONFIGURATION: BENCH:
 B. MATERIALS AND COMPONENTS:
 ENTIRE BENCH POLYESTER POWDER-COATED STEEL; DECORATIVE ARMS AT END; NO CENTER ARM
 3-YEAR MINIMUM WARRANTY
 1.) COLOR: BLACK
 2.) POWDER COAT FINISH SHALL CONTAIN NO HEAVY METALS, SHALL BE HAPS FREE, AND HAVE VERY LOW V.O.C. CONTENT. POWDER COAT FINISH IS APPLIED TO A THICKNESS OF 7-15 MILS. COLOR IS TO BE UNIFORM THROUGHOUT AS APPROVED BY OWNER OR SPECIFIER IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.

2. TRASH RECEPTACLES FOR HEAVY USE, EXTERIOR, PUBLIC SPACE LITTER

A. TRASH RECEPTACLE: LANDSCAPE FORMS INC."SCARBOROUGH"
 35-GALLON CAPACITY
 B. MATERIALS AND COMPONENTS:
 BLACK POLYETHYLENE LINER WITH ANTI-THEFT CABLES ON LID
 SIDE PANELS IN POLYESTER POWER COATED STEEL
 3-YEAR MINIMUM WARRANTY
 1.) COLOR: BLACK FOR BOTH FRAME AND SIDE PANELS
 2.) POWDER COAT FINISH SHALL CONTAIN NO HEAVY METALS, SHALL BE HAPS FREE, AND HAVE VERY LOW V.O.C. CONTENT. POWDER COAT FINISH IS APPLIED TO A THICKNESS OF 7-15 MILS. COLOR IS TO BE UNIFORM THROUGHOUT AS APPROVED BY OWNER OR SPECIFIER IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.

2.2 MATERIALS

A. ANCHORS, FASTENERS, FITTINGS, AND HARDWARE: UNLESS OTHERWISE SPECIFIED, PROVIDE MANUFACTURER'S STANDARD, CORROSION-RESISTANT-COATED OR NON CORRODIBLE MATERIALS; COMMERCIAL QUALITY; TAMPERPROOF, VANDAL, AND THEFT RESISTANT. PROVIDE AS REQUIRED FOR STREET FURNISHINGS' ASSEMBLY, MOUNTING, AND SECURE ATTACHMENT.
 1. ANTI-THEFT HOLD-DOWN BRACKETS: FOR SECURING SITE AND STREET FURNISHINGS TO SUBSTRATE; NUMBER AS RECOMMENDED BY MANUFACTURER.
 B. NONSHRINK, NONMETALLIC GROUT, AS REQUIRED FOR LEVELING, PREMIXED, FACTORY-PACKAGED, NONSTAINING, NONCORROSIVE, NONGASEOUS GROUT COMPLYING WITH ASTM C 1107. PROVIDE GROUT, RECOMMENDED IN WRITING BY MANUFACTURER FOR EXTERIOR APPLICATION.

2.3 FABRICATION

A. METAL COMPONENTS: FORM TO REQUIRED SHAPES AND SIZES WITH TRUE, CONSISTENT CURVES, LINES, AND ANGLES. SEPARATE METALS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYTIC ACTION.
 B. WELDED CONNECTIONS: WELD CONNECTIONS CONTINUOUSLY. WELD SOLID MEMBERS WITH FULL-LENGTH, FULL PENETRATION WELDS AND HOLLOW MEMBERS WITH FULL-CIRCUMFERENCE WELDS. AT EXPOSED CONNECTIONS, FINISH SURFACES SMOOTH AND BLENDED SO NO ROUGHNESS OR UNEVENNESS SHOWS AFTER FINISHING AND WELDED SURFACE MATCHES CONTOURS OF ADJOINING SURFACES. STRUCTURAL WELDING SHALL CONFORM TO THE REQUIREMENTS OF AWS D1.1 STRUCTURAL WELDING CODE-STEEL, 1998 EDITION PUBLISHED BY THE AMERICAN WELDING SOCIETY.
 C. METAL PLATE: FORM SIMPLE AND COMPOUND CURVES BY BENDING MEMBERS IN JIGS TO PRODUCE UNIFORM CURVATURE FOR EACH REPETITIVE CONFIGURATION REQUIRED; MAINTAIN CROSS SECTION OF MEMBER THROUGHOUT ENTIRE BEND WITHOUT BUCKLING, TWISTING, CRACKING, OR OTHERWISE DEFORMING EXPOSED SURFACES OF COMPONENTS.
 D. METAL COMPONENTS: PRIMED AND COLOR-COATED. BARE METAL COMPONENTS ARE NOT PERMITTED.
 E. EXPOSED SURFACES: POLISHED, SANDED, OR OTHERWISE FINISHED; SMOOTH ALL SURFACES, FREE FROM BURRS, BARBS, SPLINTERS, AND SHARPNESS; ALL EDGES AND ENDS ROLLED, ROUNDED, OR CAPPED.
 F. MOUNTING TABS: PROVIDE BOTTOM OF LEGS WITH MANUFACTURER'S INTEGRAL STEEL MOUNTING FLANGES, SO THAT FURNISHINGS MAY BE ANCHOR BOLTED TO CONCRETE FOUNDATIONS.
 G. FACTORY ASSEMBLY: ASSEMBLE ALL STREET FURNISHINGS IN THE FACTORY. SHIP OR DELIVER COMPLETED UNITIES FOR INSTALLATION IN THE FIELD.

2.4 FINISHES, GENERAL

A. COMPLY WITH NAAAMM'S "METAL FINISHES MANUAL FOR ARCHITECTURAL AND METAL PRODUCTS" FOR RECOMMENDATIONS FOR APPLYING AND DESIGNATING FINISHES.

2.5 STEEL AND GALVANIZED FINISHES

A. THERMOSETTING-POLYESTER POWDER COAT FINISH: STREET FURNISHINGS MANUFACTURER'S STANDARD, BAKED, POLYESTER POWDER COAT FINISH COMPLYING WITH FINISH MANUFACTURER'S WRITTEN INSTRUCTIONS FOR SURFACE PREPARATION, INCLUDING PRETREATMENT, APPLICATION, BAKING, AND MINIMUM DRY FILM THICKNESS.

3.0 EXAMINATION

- A. EXAMINE AREAS AND CONDITIONS, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH REQUIREMENTS FOR CORRECT AND LEVEL FINISHED GRADE, MOUNTING SURFACES, INSTALLATION TOLERANCES, AND OTHER CONDITIONS AFFECTING PERFORMANCE.
- B. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

3.1 INSTALLATION, GENERAL

- A. COMPLY WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED.
- B. INSTALL SITE AND STREET FURNISHINGS LEVEL, PLUMB, TRUE, AND SECURELY ANCHORED AT LOCATIONS INDICATED ON CONTRACT DOCUMENT DRAWINGS.
- C. BENCHES SHALL BE BOLTED TO CONCRETE FOUNDATION SLAB PER DETAILS.

3.3 CLEANING

- A. AFTER COMPLETING STREET FURNISHING INSTALLATION, INSPECT COMPONENTS, REMOVE SPOTS, DIRT, AND DEBRIS. REPAIR DAMAGED FINISHES TO MATCH ORIGINAL FINISH OR REPLACE COMPONENT.
- B. PROVIDE OWNER WITH FACTORY FORMULATED TOUCH-UP PAINT TO MATCH SELECTED COLOR.

3.4 PAYMENT

- A. THE COST FOR THESE ITEMS SHALL INCLUDE ALL MATERIALS, EQUIPMENT, COORDINATION, AND LABOR COSTS ASSOCIATED WITH SUPPLYING AND INSTALLING STREET FURNISHING ITEMS.
- B. UNIT OF MEASURE IS EACH.

END OF ITEM 680 - TRASH RECEPTACLES, ITEM 690 - MISC.: BENCHES

ITEM 611 - CATCH BASIN RECONSTRUCTION

THE CONTRACTOR SHALL REMOVE AND CLEAN THE EXISTING CASTINGS, REMOVE THE EXISTING CONCRETE SLAB TOPS, AND REMOVE THE EXISTING WALLS DOWN TO ANY POINT OF CRACKING OR WALL FAILURE, AS DIRECTED BY THE ENGINEER. THE CONTRACTOR WILL THEN REBUILD THE WALLS USING BRICK AND MORTAR, SET CASTINGS, AND/OR CONCRETE SLAB TOPS AT THE PROPER FINAL GRADE. CASTINGS AND CONCRETE SLAB TOPS WILL BE INSPECTED BY THE ENGINEER TO DETERMINE THEIR SUITABILITY FOR RE-USE. AS DIRECTED BY THE ENGINEER, BROKEN OR DETERIORATED CASTINGS AND/OR CONCRETE SLAB TOPS SHALL BE REPLACED DURING THE CATCH BASIN RECONSTRUCTION WORK.

THIS WORK INCLUDES FIVE FEET OF CURB REPLACEMENT ON EACH SIDE OF THE CATCH BASIN.

ALL CATCH BASINS DESIGNATED AS CB-3 OR CB-3A ARE SIMILAR BUT NOT NECESSARILY EXACTLY EQUAL TO CURRENT ODOT STANDARDS. CONTRACTOR TO VERIFY PRIOR TO ORDERING ANY PARTS.

EXISTING FRAMES, GRATES AND HOODS ARE TO BE REUSED ON THE REBUILT CATCH BASINS UNLESS NOTED OTHERWISE, OR AS DIRECTED BY THE ENGINEER.

ALL CATCH BASIN HOODS/CURB PLATES SHALL BE STAMPED WITH A LOGO "DUMP NO WASTE" AND "DRAINS TO WATERWAYS" ALONG WITH A FISH LOGO. CATCH BASIN GRATE(S) SHALL BE REPLACED WITH BICYCLE SAFE TYPE "L" GRATE(S).

DOUBLE GRATE INLETS SHALL BE REPLACED WITH NEENAH R-3288-E2 COMPLETE SET, NEENAH R-3288-7001 TOP PLATE AND TWO BICYCLE SAFE TYPE "L" GRATES.

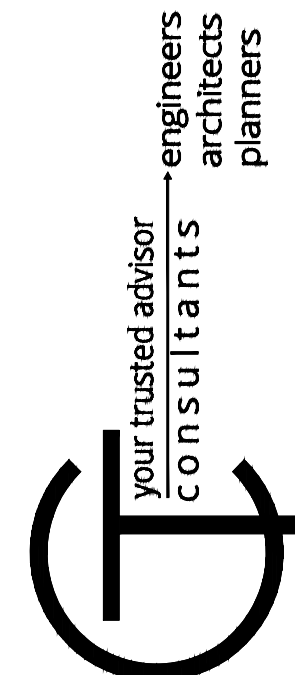
SINGLE GRATE INLETS SHALL BE REPLACED WITH NEENAH R-3289-C2 COMPLETE SET, NEENAH R-3288-7006 TOP PLATE AND ONE BICYCLE SAFE TYPE "L" GRATE.

ANY CONDUIT NECESSARY FOR THE RELOCATION AND CONSTRUCTION OF CATCH BASINS SHALL BE INCIDENTAL TO THE PERTINENT ITEM.

PAYMENT FOR "ITEM 611, CATCH BASIN RECONSTRUCTION" SHALL INCLUDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO REMOVE CATCH BASIN TOPS, REBUILD WALLS, AND RESET CASTINGS AND/OR CONCRETE SLAB TOPS ON A PER-UNIT BASIS.

PAYMENT FOR PROVIDING NEW CASTINGS SHALL BE ON A PER-UNIT BASIS UNDER "ITEM 611, FURNISH NEW CURB PLATE" AND "ITEM 611, FURNISH NEW GRATE".

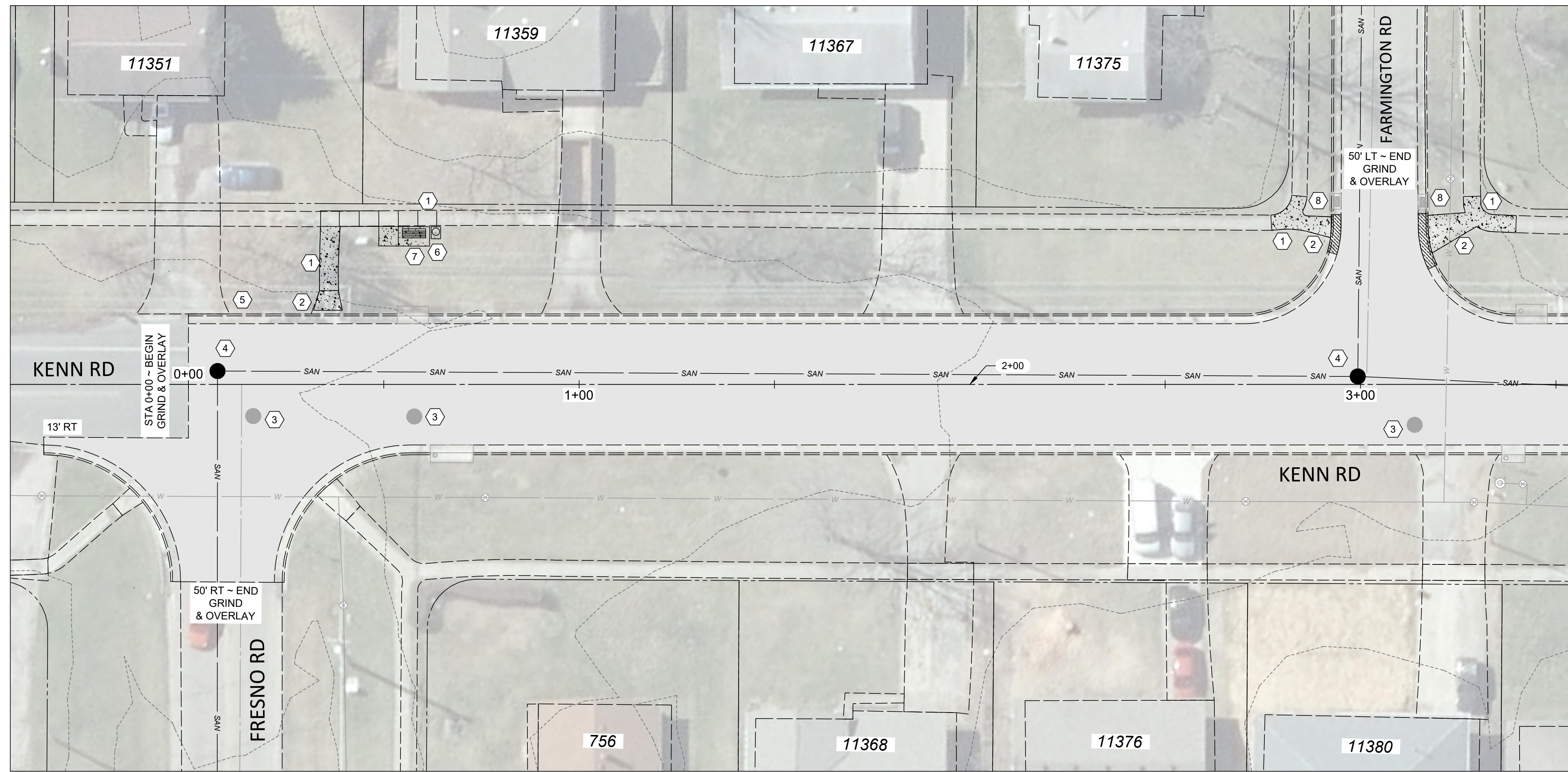
END OF ITEM 611 - CATCH BASIN RECONSTRUCTION



ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
	4/18/2024	XX'-XX"	EMOR	JBOW	FTVVE

KENN ROAD CORRIDOR IMPROVEMENTS CITY OF FOREST PARK, HAMILTON COUNTY, OHIO	GENERAL NOTES	
		PROJECT NO.
		DISCIPLINE
		SHEET NAME

PROJECT NO.	230225
DISCIPLINE	CIVIL
SHEET NAME	GN2
SHEET	OF
4	12

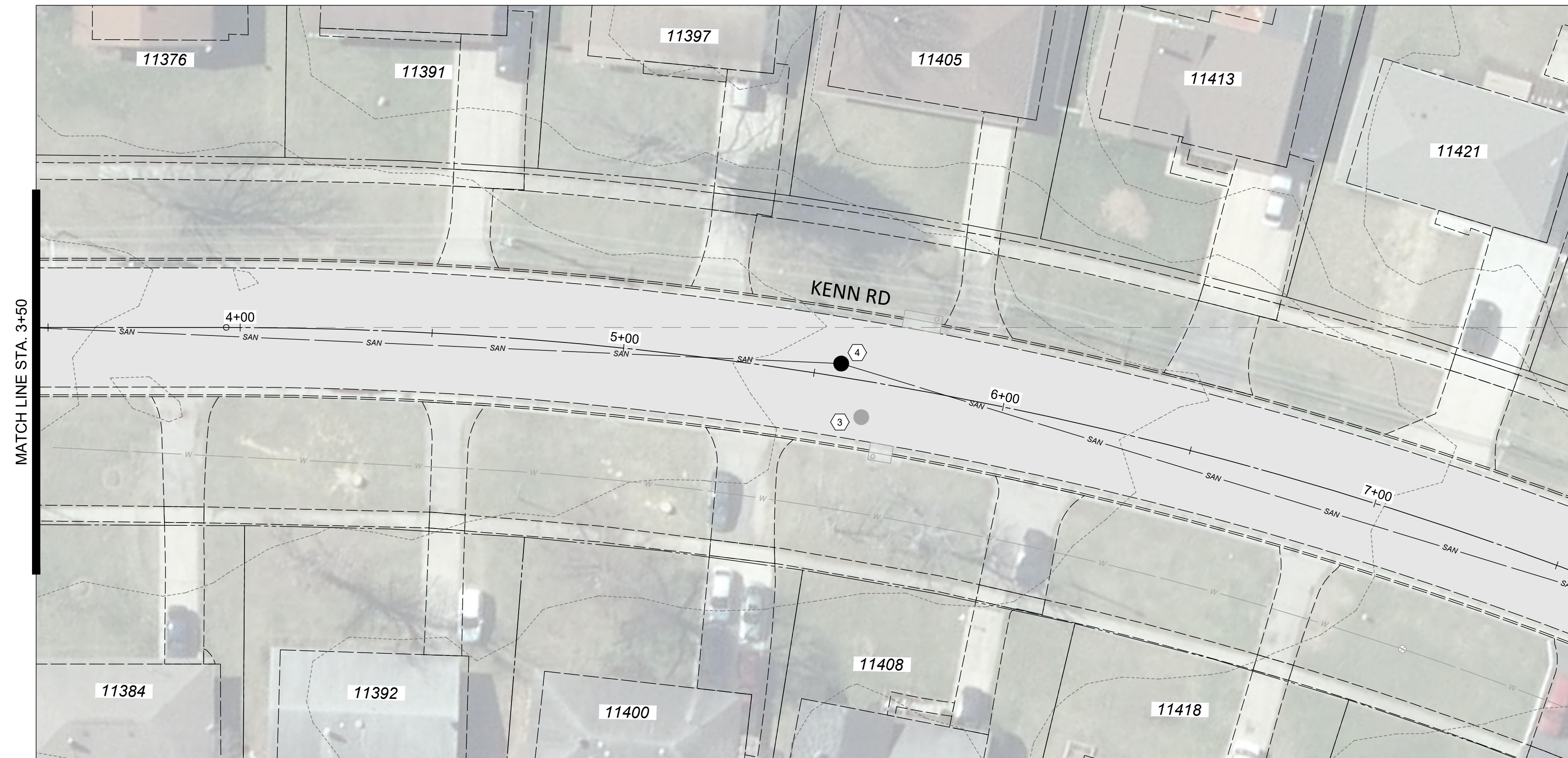


MATCHLINE STA. 3+50

HATCH LEGEND	
	ITEM 254 - 2-1/2" PLANING AND OVERLAY
	ITEM 609 - CURB, TYPE 2 COMBINATION CURB AND GUTTER
	ITEM 608 - 5" CONCRETE WALK

- | NOTES | |
|-------|--|
| 1. | THE FINAL FULL DEPTH REPAIR AREAS WILL BE MARKED WHEN THE PLANING OPERATIONS HAVE BEEN COMPLETED. |
| 2. | THE FINAL CURB REPLACEMENT LIMITS AND WORK LIMITS WILL BE MARKED PRIOR TO BEGINNING CONSTRUCTION. |
| 3. | ADJUSTMENTS TO VALVE BOXES, METERS OR OTHER ASSOCIATED GAS, ELECTRIC, TELEPHONE, WATER, OR CABLE FACILITIES, IF NECESSARY, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND SHALL BE COMPLETED PER UTILITY OWNER REQUIREMENTS. |
| 4. | RESTORE ALL DOWNSPOUT LINES IN CURB. A CONTINGENCY QUANTITY FOR ITEM 611 - DOWN SPOUT CONDUIT, MISC.: PVC SCHEDULE 40 PIPE, 3" HAS BEEN PROVIDED IN THE COST ESTIMATE. |

- | CONSTRUCTION NOTES | |
|--------------------|--|
| ① | ITEM 608 - 5" CONCRETE WALK |
| ② | ITEM 608 - ADA CURB RAMP, SEE DETAIL |
| ③ | ITEM 611 - STORM MANHOLE ADJUSTMENT TO GRADE |
| ④ | ITEM 611 - SANITARY MANHOLE ADJUSTMENT TO GRADE |
| ⑤ | ITEM SPL - METRO SIGN (INCLUDES REMOVAL OF EXISTING) |
| ⑥ | ITEM SPL - TRASH CAN |
| ⑦ | ITEM SPL - BENCH |
| ⑧ | ITEM 611 - CATCH BASIN RECONSTRUCTION |



MATCHLINE STA. 3+50

MATCHLINE STA. 7+50

your trusted advisor
consultants
engineers
architects
planners

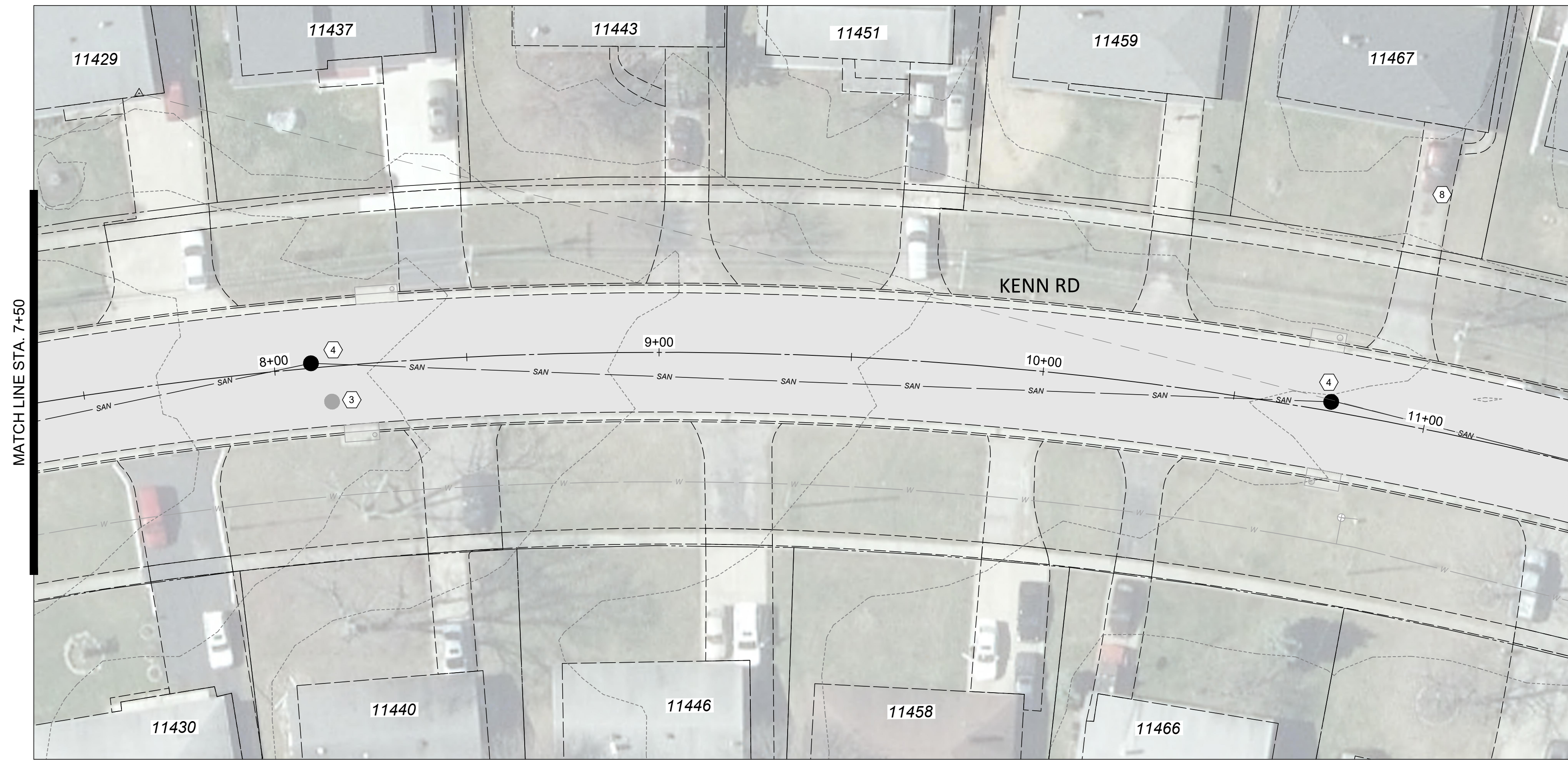
ISSUED FOR:	BID NO.	REVISION	DATE
ISSUE DATE: 4/18/2024			
SCALE:			
DESIGNED BY: EMOR			
DRAWN BY: JBOV			
CHECKED BY: FTWE			

**KENN ROAD
CORRIDOR IMPROVEMENTS
CITY OF FOREST PARK,
HAMILTON COUNTY, OHIO**

PLAN STA 0+00 TO 7+50

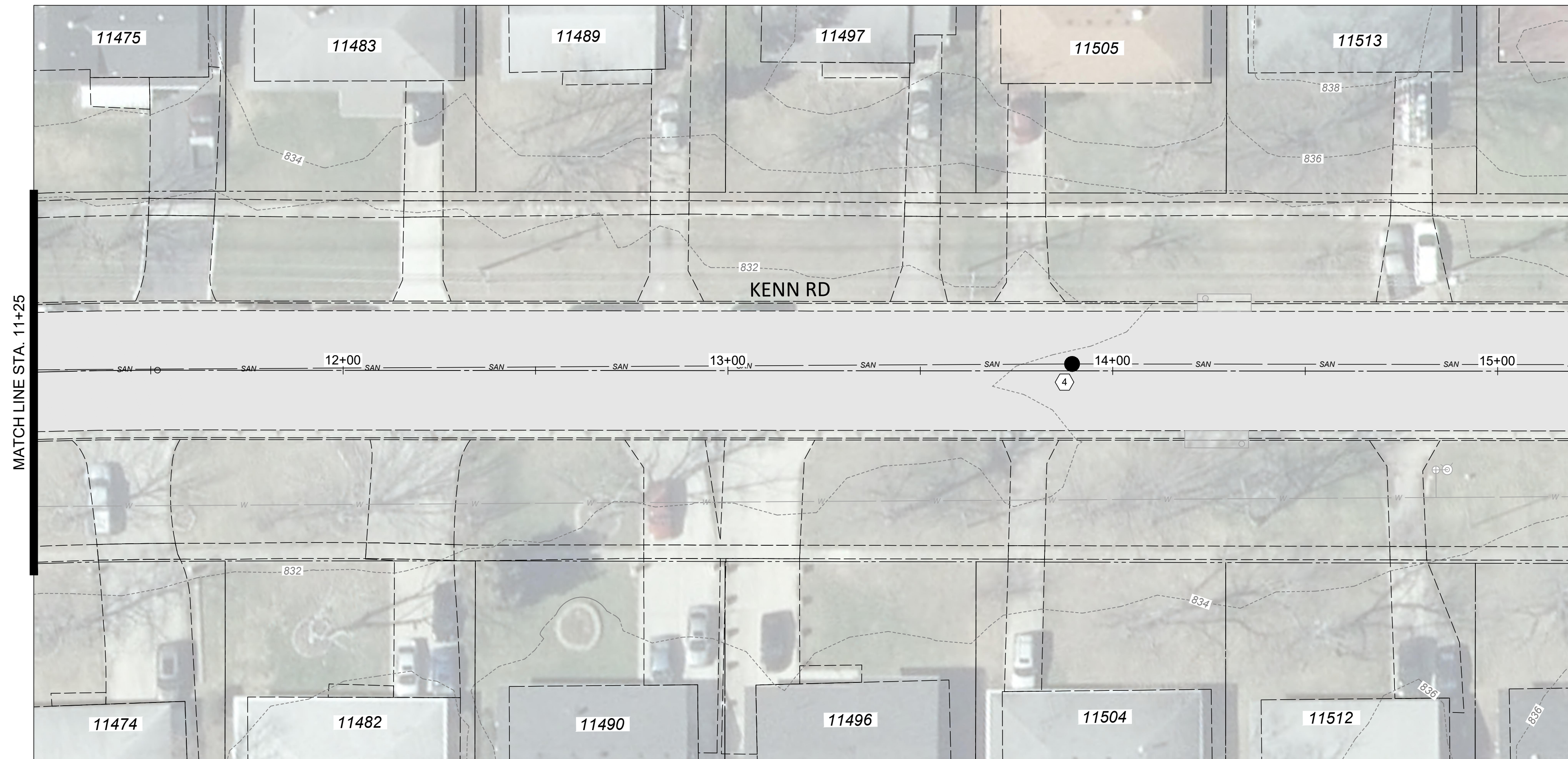
PROJECT NO. 230225
DISCIPLINE CIVIL
SHEET NAME PLAN
SHEET OF 5 12

MATCHLINE STA. 7+50

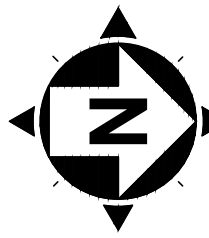


MATCHLINE STA. 11+25

MATCHLINE STA. 11+25



MATCHLINE STA. 15+15

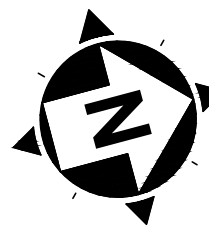


20' 0' 20'
SCALE: 1" = 20'

HATCH LEGEND	
	ITEM 251 - 2-1/2" PLANING AND OVERLAY
	ITEM 609 - CURB, TYPE 2 COMBINATION CURB AND GUTTER
	ITEM 608 - 5" CONCRETE WALK

NOTES	
1.	THE FINAL FULL DEPTH REPAIR AREAS WILL BE MARKED WHEN THE PLANING OPERATIONS HAVE BEEN COMPLETED.
2.	THE FINAL CURB REPLACEMENT LIMITS AND WORK LIMITS WILL BE MARKED PRIOR TO BEGINNING CONSTRUCTION.
3.	ADJUSTMENTS TO VALVE BOXES, METERS OR OTHER ASSOCIATED GAS, ELECTRIC, TELEPHONE, WATER, OR CABLE FACILITIES, IF NECESSARY, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND SHALL BE COMPLETED PER UTILITY OWNER REQUIREMENTS.
4.	RESTORE ALL DOWNSPOUT LINES IN CURB. A CONTINGENCY QUANTITY FOR ITEM 611 - DOWN SPOUT CONDUIT, MISC.: PVC SCHEDULE 40 PIPE, 3" HAS BEEN PROVIDED IN THE COST ESTIMATE.

CONSTRUCTION NOTES	
①	ITEM 608 - 5" CONCRETE WALK
②	ITEM 608 - ADA CURB RAMP, SEE DETAIL
③	ITEM 611 - STORM MANHOLE ADJUSTMENT TO GRADE
④	ITEM 611 - SANITARY MANHOLE ADJUSTMENT TO GRADE
⑤	ITEM SPL - METRO SIGN (INCLUDES REMOVAL OF EXISTING)
⑥	ITEM SPL - TRASH CAN
⑦	ITEM SPL - BENCH
⑧	ITEM 611 - CATCH BASIN RECONSTRUCTION



20' 0' 20'
SCALE: 1" = 20'

your trusted advisor
engineers
architects
planners
consultants

ISSUED FOR:	BID NO.	REVISION	DATE
4/18/2024			
SCALE:	DESIGNED BY:	EMOR	
	DRAWN BY:	JBOW	
	CHECKED BY:	FTWE	

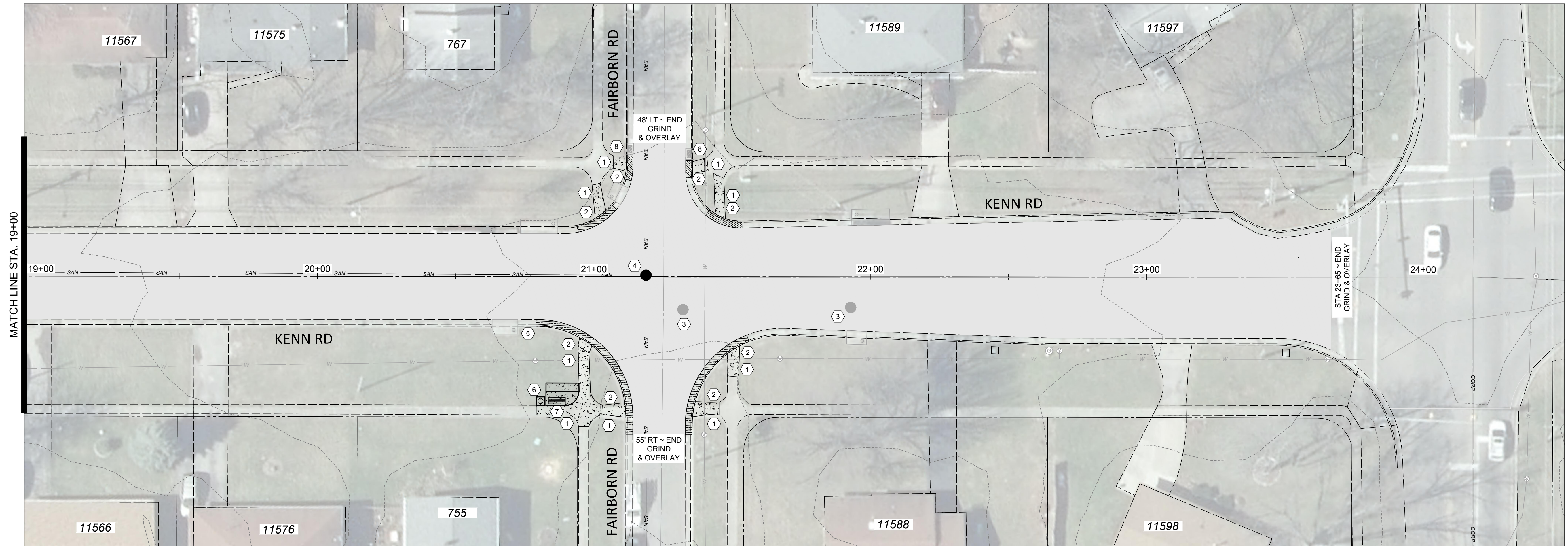
KENN ROAD
CORRIDOR IMPROVEMENTS
CITY OF FOREST PARK,
HAMILTON COUNTY, OHIO

PLAN STA 7+50 TO 15+15

PROJECT NO.	230225
DISCIPLINE	CIVIL
SHEET NAME	PLAN
SHEET	6
OF	12



MATCHLINE STA. 19+00

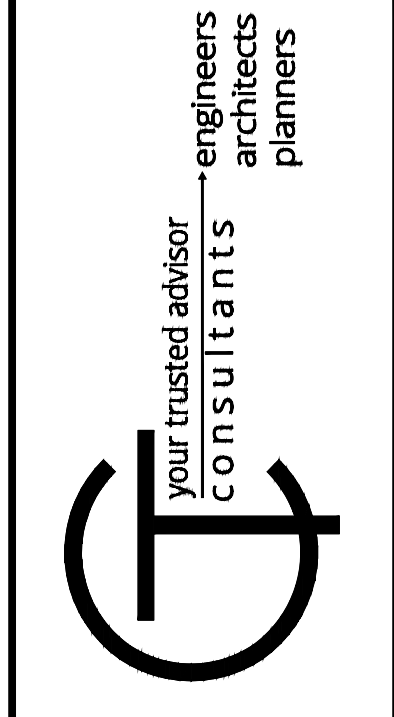


MATCHLINE STA. 19+00

HATCH LEGEND	
	ITEM 251 - 2-1/2" PLANING AND OVERLAY
	ITEM 609 - CURB, TYPE 2 COMBINATION CURB AND GUTTER
	ITEM 608 - 5" CONCRETE WALK

- NOTES**
1. THE FINAL FULL DEPTH REPAIR AREAS WILL BE MARKED WHEN THE PLANING OPERATIONS HAVE BEEN COMPLETED.
 2. THE FINAL CURB REPLACEMENT LIMITS AND WORK LIMITS WILL BE MARKED PRIOR TO BEGINNING CONSTRUCTION.
 3. ADJUSTMENTS TO VALVE BOXES, METERS OR OTHER ASSOCIATED GAS, ELECTRIC, TELEPHONE, WATER, OR CABLE FACILITIES, IF NECESSARY, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND SHALL BE COMPLETED PER UTILITY OWNER REQUIREMENTS.
 4. RESTORE ALL DOWNSPOUT LINES IN CURB. A CONTINGENCY QUANTITY FOR ITEM 611 - DOWN SPOUT CONDUIT, MISC. PVC SCHEDULE 40 PIPE, 3" HAS BEEN PROVIDED IN THE COST ESTIMATE.

- CONSTRUCTION NOTES**
- 1 ITEM 608 - 5" CONCRETE WALK
 - 2 ITEM 608 - ADA CURB RAMP, SEE DETAIL
 - 3 ITEM 611 - STORM MANHOLE ADJUSTMENT TO GRADE
 - 4 ITEM 611 - SANITARY MANHOLE ADJUSTMENT TO GRADE
 - 5 ITEM SPL - METRO SIGN (INCLUDES REMOVAL OF EXISTING)
 - 6 ITEM SPL - TRASH CAN
 - 7 ITEM SPL - BENCH
 - 8 ITEM 611 - CATCH BASIN RECONSTRUCTION



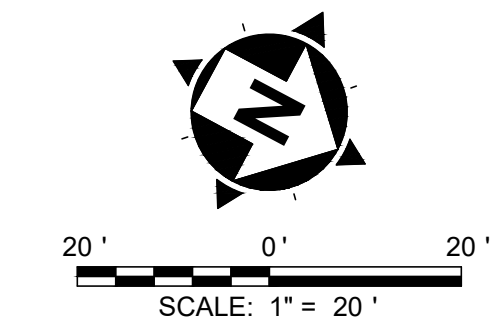
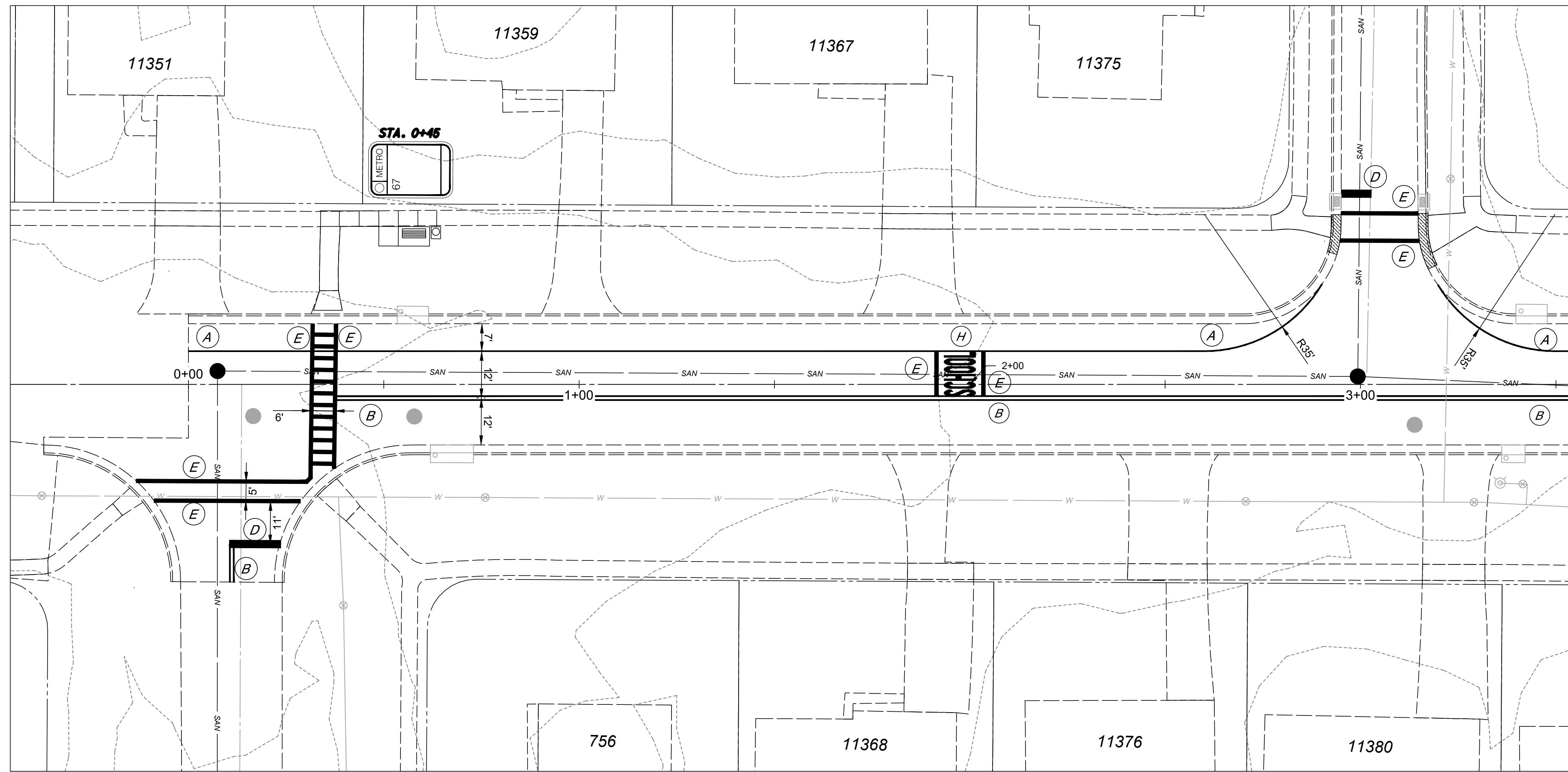
NO	REVISION	DATE

ISSUED FOR:	BID	EMOR	JBOW	FTWE
ISSUE DATE:	4/18/2024			
SCALE:				
DESIGNED BY:				
DRAWN BY:				
CHECKED BY:				

**KENN ROAD
CORRIDOR IMPROVEMENTS
CITY OF FOREST PARK,
HAMILTON COUNTY, OHIO**

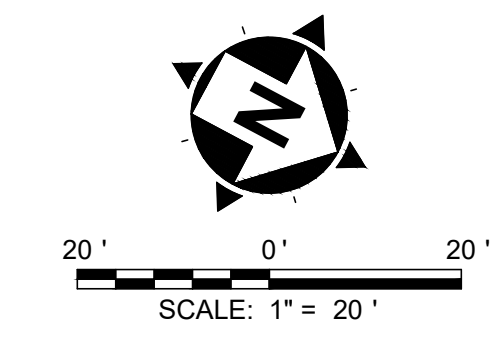
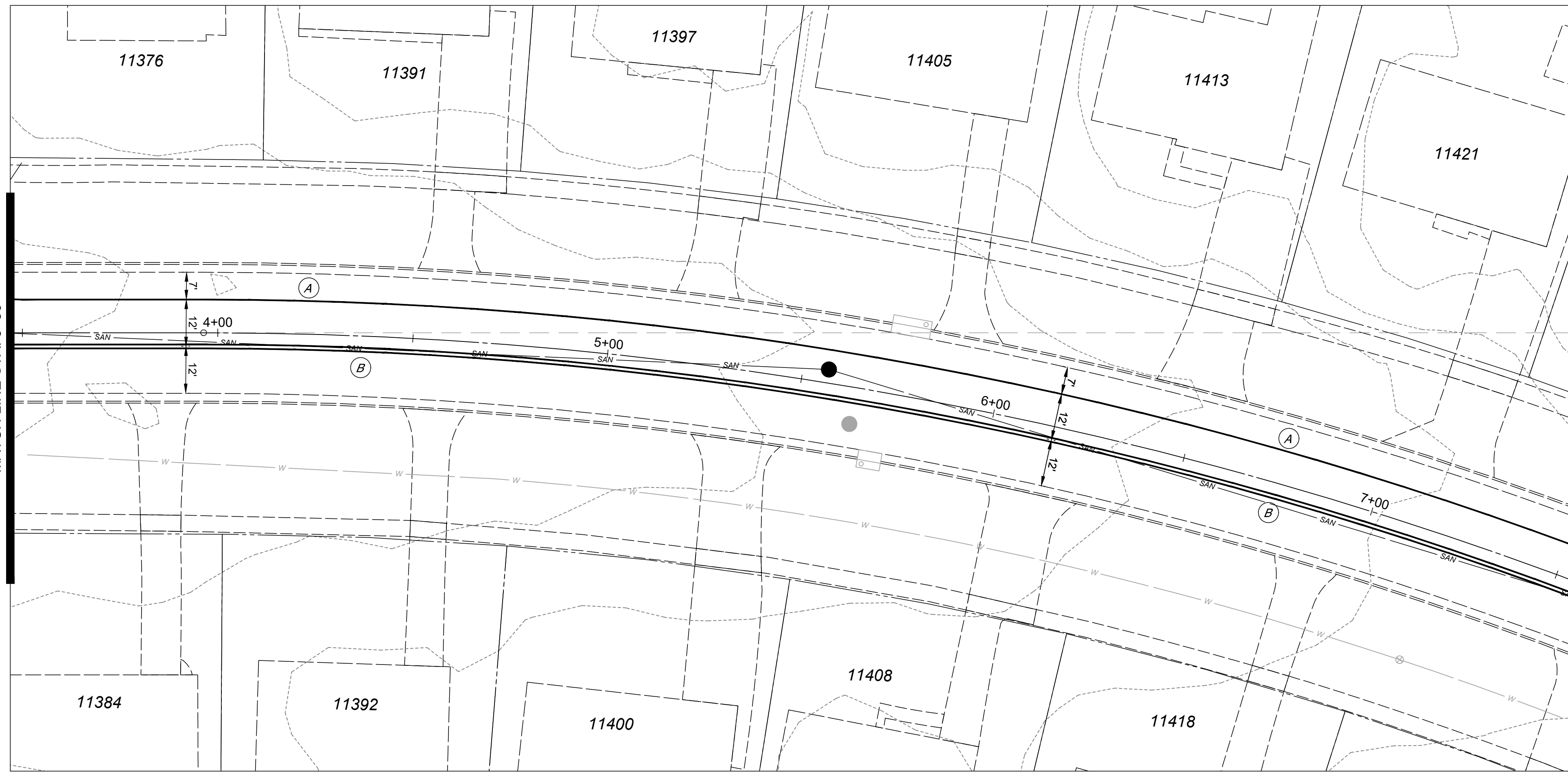
PLAN STA 15+15 TO END

PROJECT NO.	230225
DISCIPLINE	CIVIL
SHEET NAME	PLAN
SHEET	7
OF	12



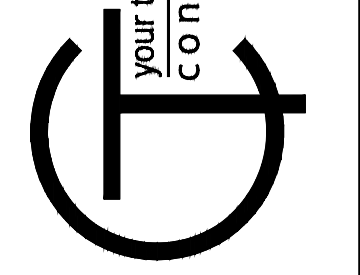
CONSTRUCTION NOTES	
(A)	EDGE LINE, 4" SOLID WHITE
(B)	CENTERLINE, 4" DOUBLE SOLID YELLOW
(C)	CHANNELIZING LINE, 8" WHITE
(D)	STOP LINE, 24" WHITE
(E)	CROSSWALK LINE, 12" WHITE
(F)	LANE ARROW, 96"
(G)	COMBO ARROW, 144"
(H)	WORD ON PAVEMENT, 96"
(I)	GORE STRIPING, 24" YELLOW
(J)	DETECTOR LOOP REPLACEMENT
(K)	DETECTOR LOOP TIE-IN

MATCHLINE STA. 3+50



MATCHLINE STA. 7+50

your trusted advisor
engineers
architects
planners

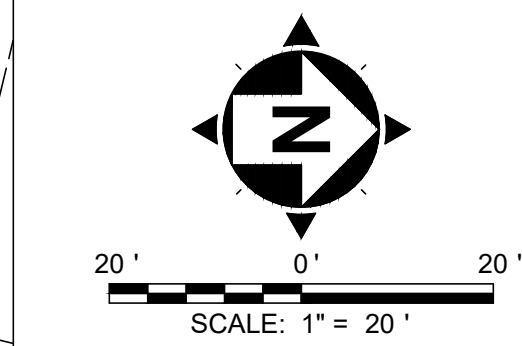
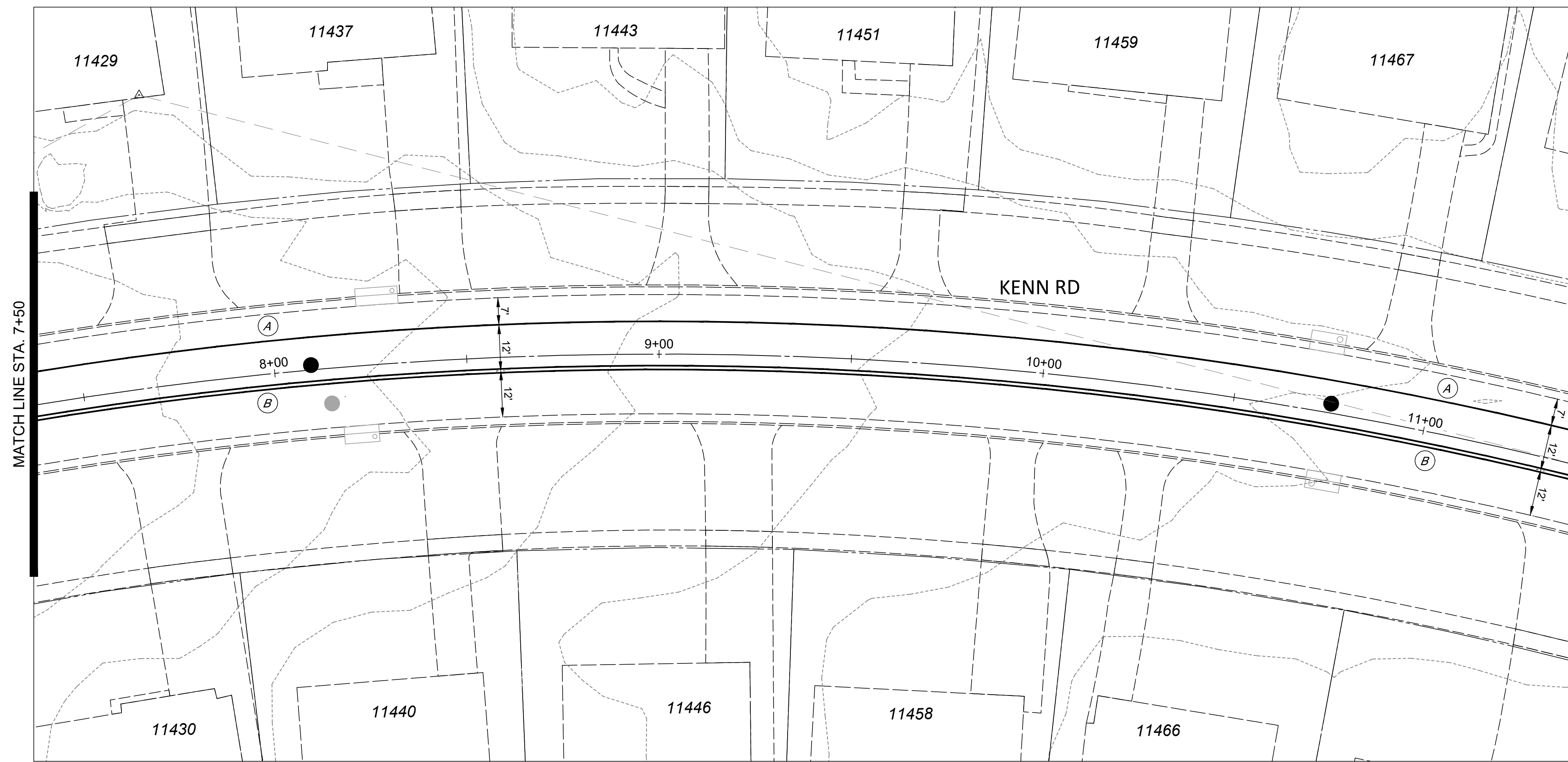


ISSUED FOR:	BID NO.	REVISION	DATE
CITY OF FOREST PARK	47/18/2024		
ISSUE DATE:			
SCALE:			
DESIGNED BY:	EMGR		
DRAWN BY:	JBOW		
CHECKED BY:	FTWE		

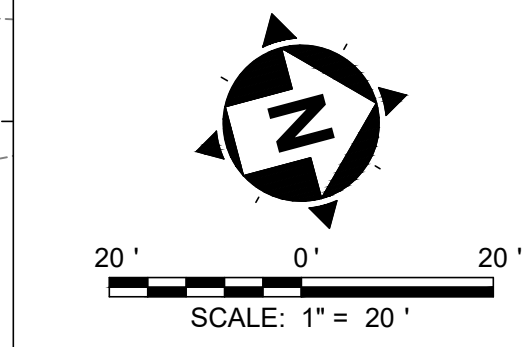
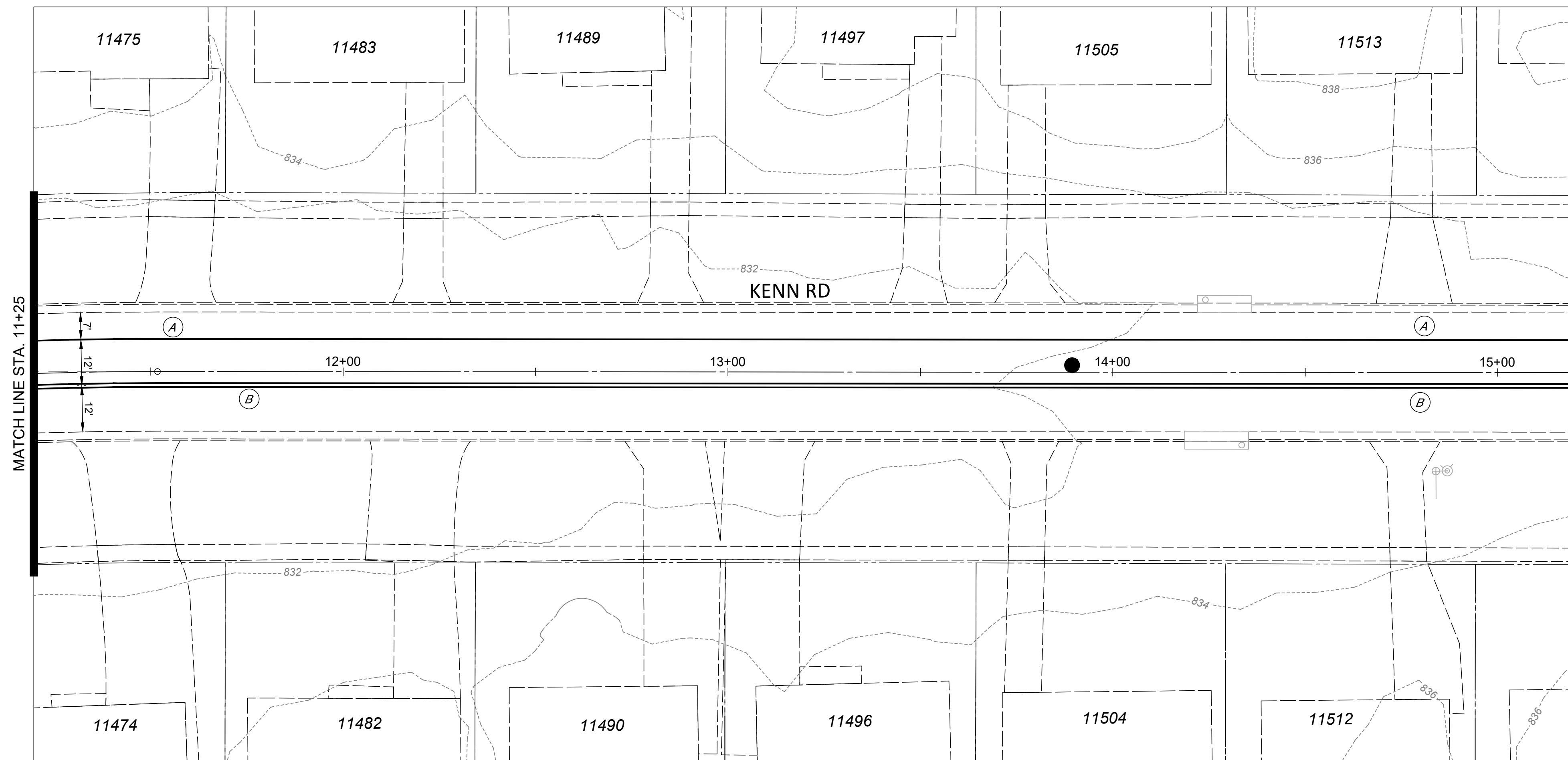
**KENN ROAD
CORRIDOR IMPROVEMENTS
CITY OF FOREST PARK,
HAMILTON COUNTY, OHIO**

STRIPING STA 0+00 TO 7+50

PROJECT NO.	230225
DISCIPLINE	CIVIL
SHEET NAME	PLAN
SHEET	OF
8	12



CONSTRUCTION NOTES	
(A)	EDGE LINE, 4" SOLID WHITE
(B)	CENTERLINE, 4" DOUBLE SOLID YELLOW
(C)	CHANNELIZING LINE, 8" WHITE
(D)	STOP LINE, 24" WHITE
(E)	CROSSWALK LINE, 12" WHITE
(F)	LANE ARROW, 96"
(G)	COMBO ARROW, 144"
(H)	WORD ON PAVEMENT, 96"
(I)	GORE STRIPING, 24" YELLOW
(J)	DETECTOR LOOP REPLACEMENT
(K)	DETECTOR LOOP TIE-IN



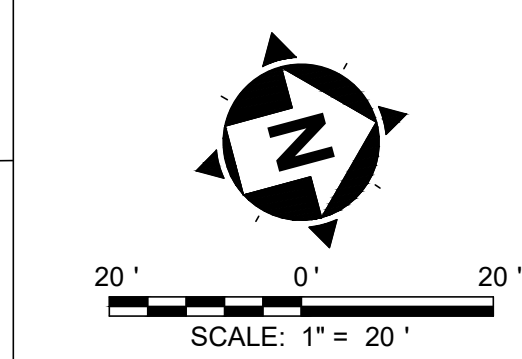
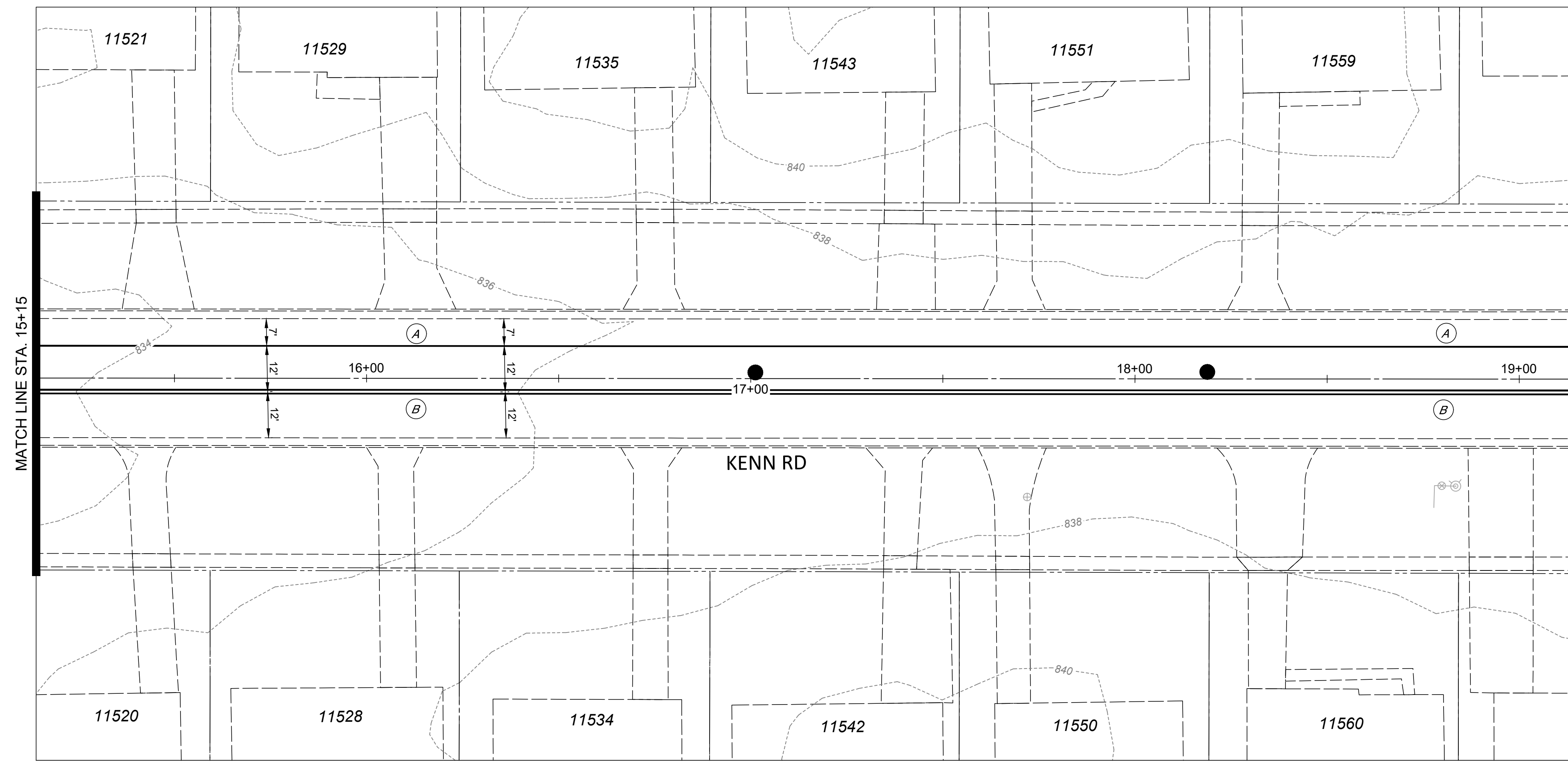
your trusted advisor
**engineers
 architects
 planners**
consultants

ISSUED FOR:	BID NO.	REVISION	DATE
CITY OF FOREST PARK, OHIO	47182024		
ISSUE DATE:			
SCALE:			
DESIGNED BY:	EMGR		
DRAWN BY:	JBOW		
CHECKED BY:	FTWE		

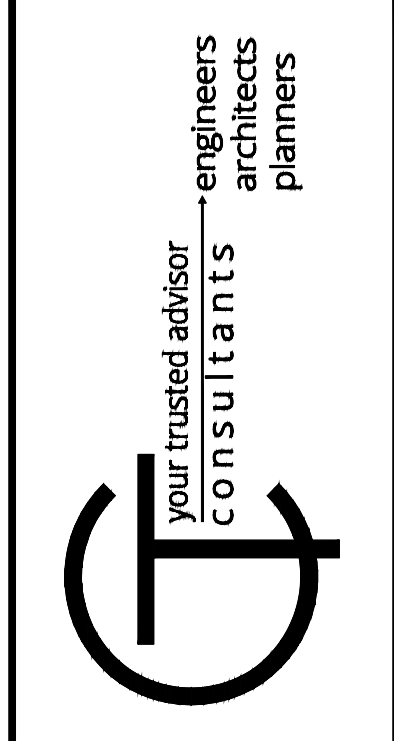
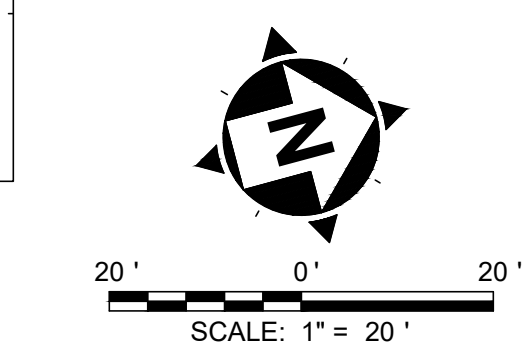
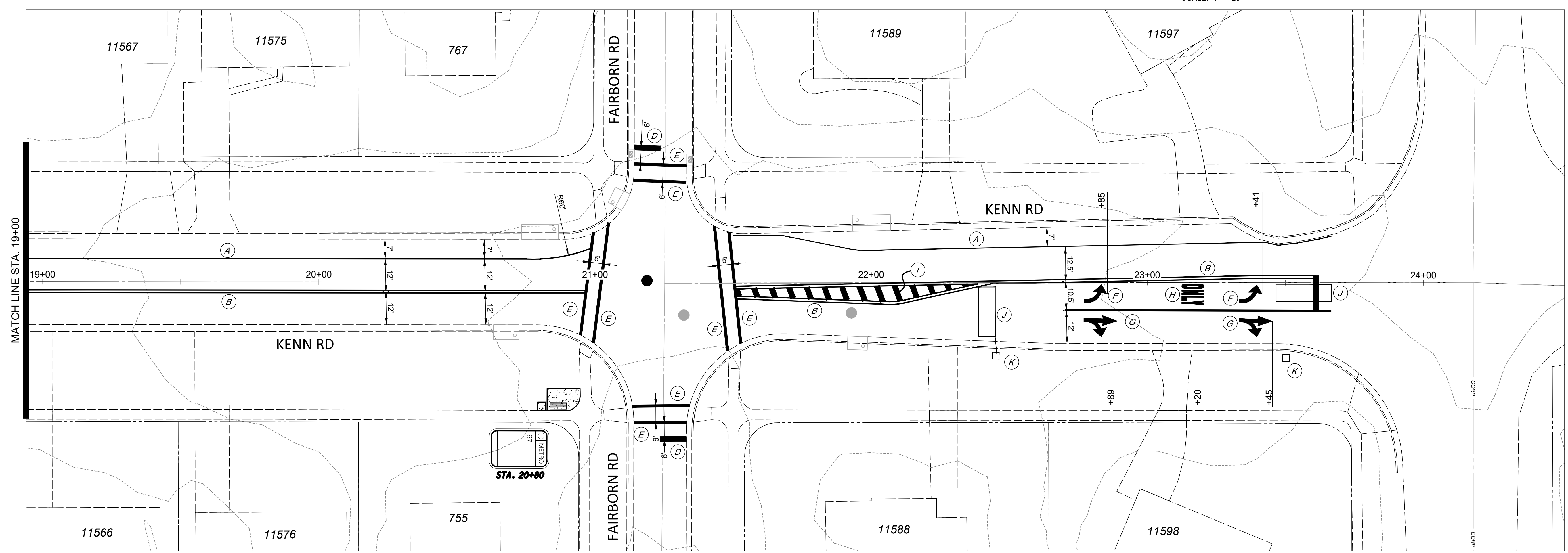
**KENN ROAD
 CORRIDOR IMPROVEMENTS
 CITY OF FOREST PARK,
 HAMILTON COUNTY, OHIO**

STRIPING STA 7+50 TO 15+15

PROJECT NO.	230225
DISCIPLINE	CIVIL
SHEET NAME	PLAN
SHEET	OF
9	12



CONSTRUCTION NOTES	
(A)	EDGE LINE, 4" SOLID WHITE
(B)	CENTERLINE, 4" DOUBLE SOLID YELLOW
(C)	CHANNELIZING LINE, 8" WHITE
(D)	STOP LINE, 24" WHITE
(E)	CROSSWALK LINE, 12" WHITE
(F)	LANE ARROW, 96"
(G)	COMBO ARROW, 144"
(H)	WORD ON PAVEMENT, 96"
(I)	GORE STRIPING, 24" YELLOW
(J)	DETECTOR LOOP REPLACEMENT
(K)	DETECTOR LOOP TIE-IN

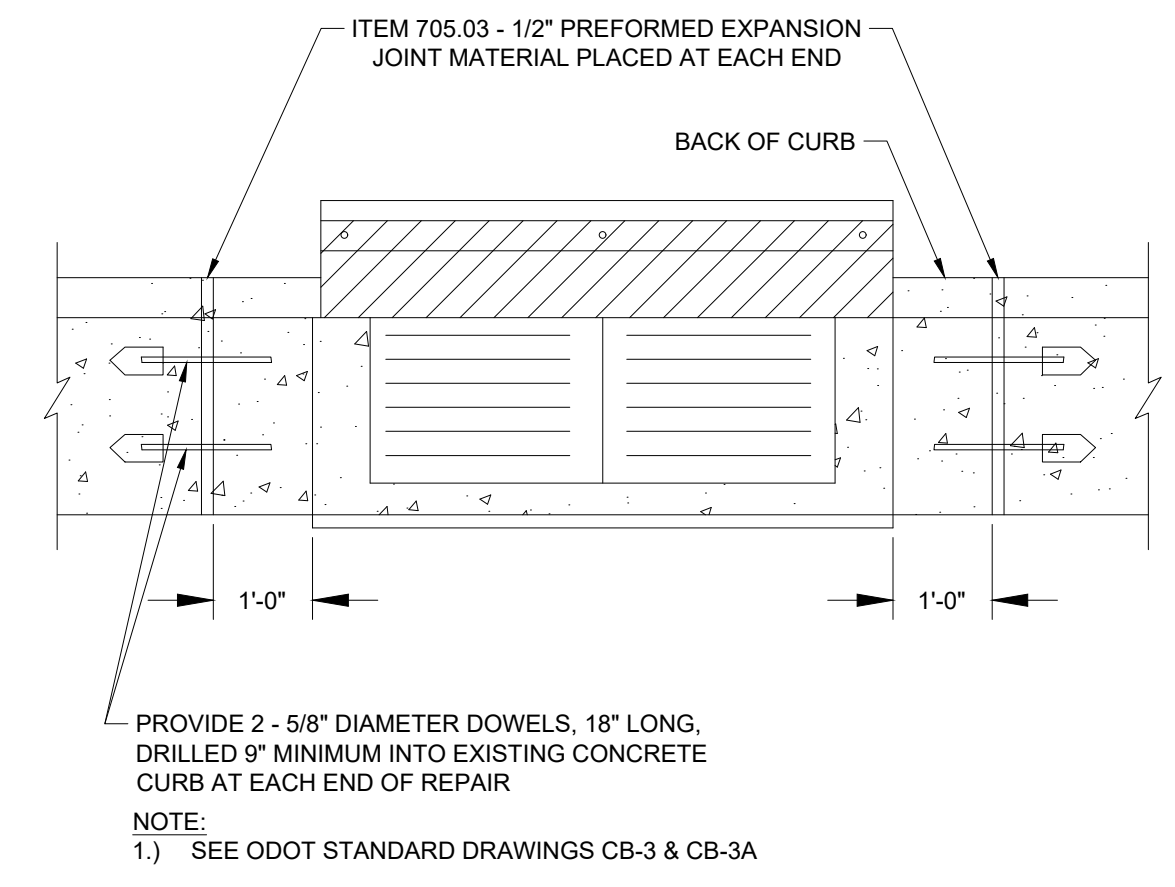


ISSUED FOR:	BID NO:	REVISION	DATE
ISSUE DATE:	4/18/2024		
SCALE:			
DESIGNED BY:	EMOR		
DRAWN BY:	JBOW		
CHECKED BY:	FTWE		

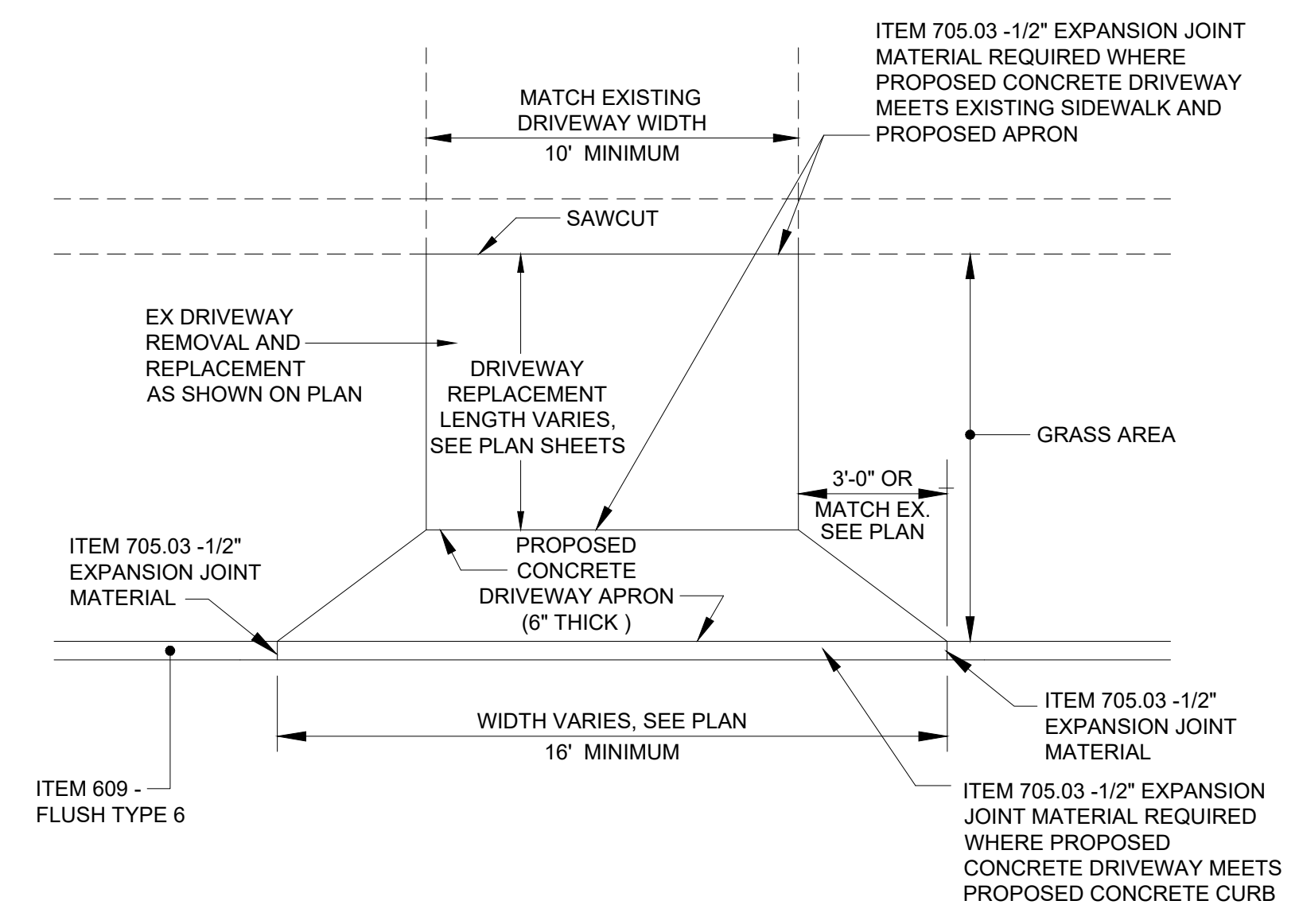
**KENN ROAD
CORRIDOR IMPROVEMENTS
CITY OF FOREST PARK,
HAMILTON COUNTY, OHIO**

STRIPING STA 15+15 TO END

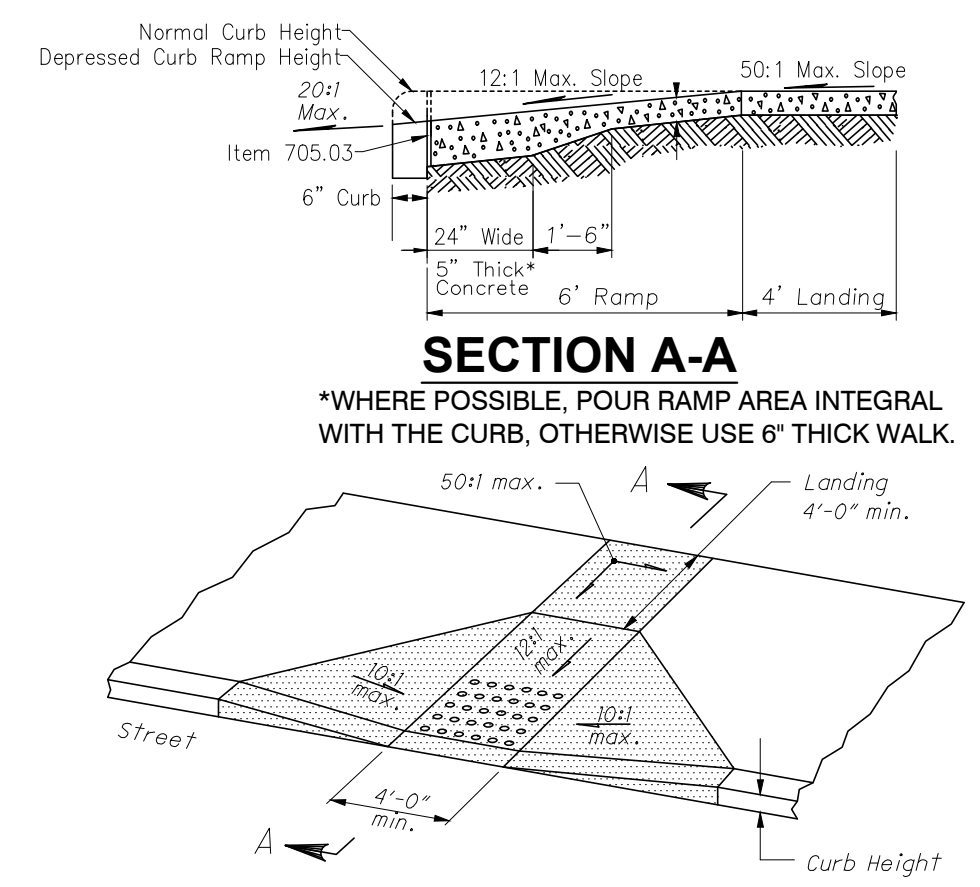
PROJECT NO.	230225
DISCIPLINE	CIVIL
SHEET NAME	PLAN
SHEET	10
OF	12



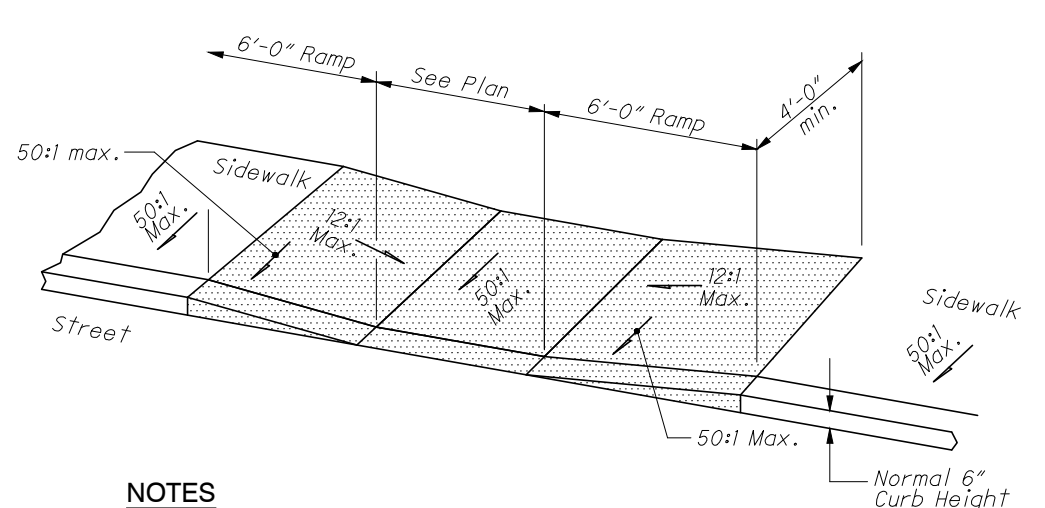
CURB REPLACEMENT ADJACENT TO CATCH BASINS



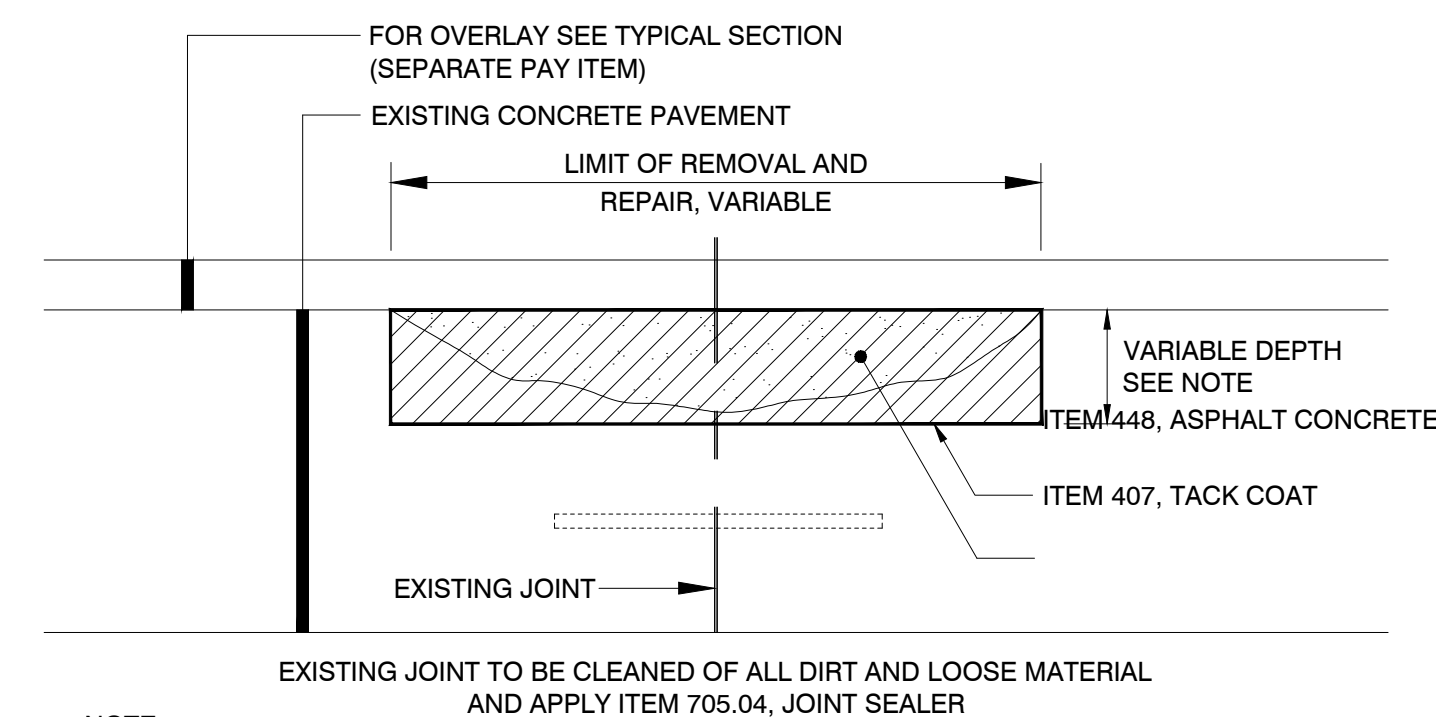
ITEM 452 - (6\") NON-REINFORCED CONCRETE PAVEMENT - TYPICAL DRIVEWAY APRON



CURB RAMP DETAILS

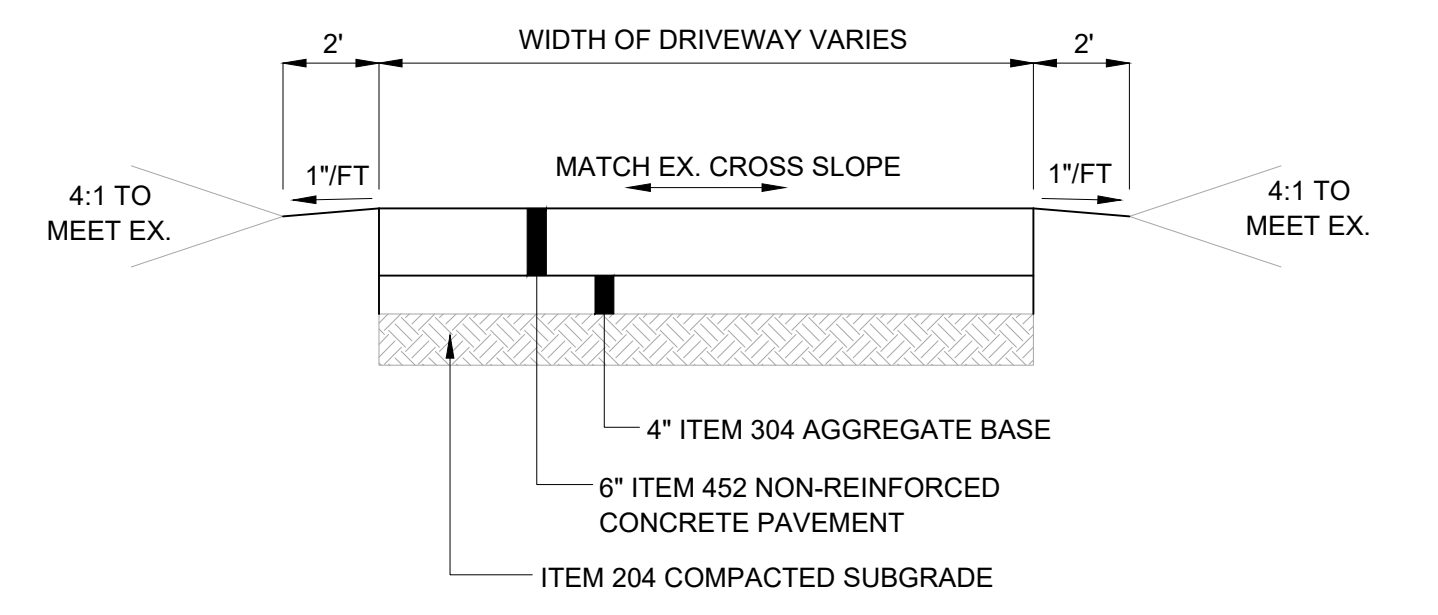


NOTES:
DRAINAGE: CONTRACTOR IS TO ENSURE THE BASE OF EACH CONSTRUCTED CURB RAMP ALLOWS FOR PROPER DRAINAGE, WITHOUT EXCEEDING ALLOWABLE CROSS SLOPE OR RAMP SLOPES. VERTICAL CHANGE IN LEVEL EXCEEDING 1/8\"/>

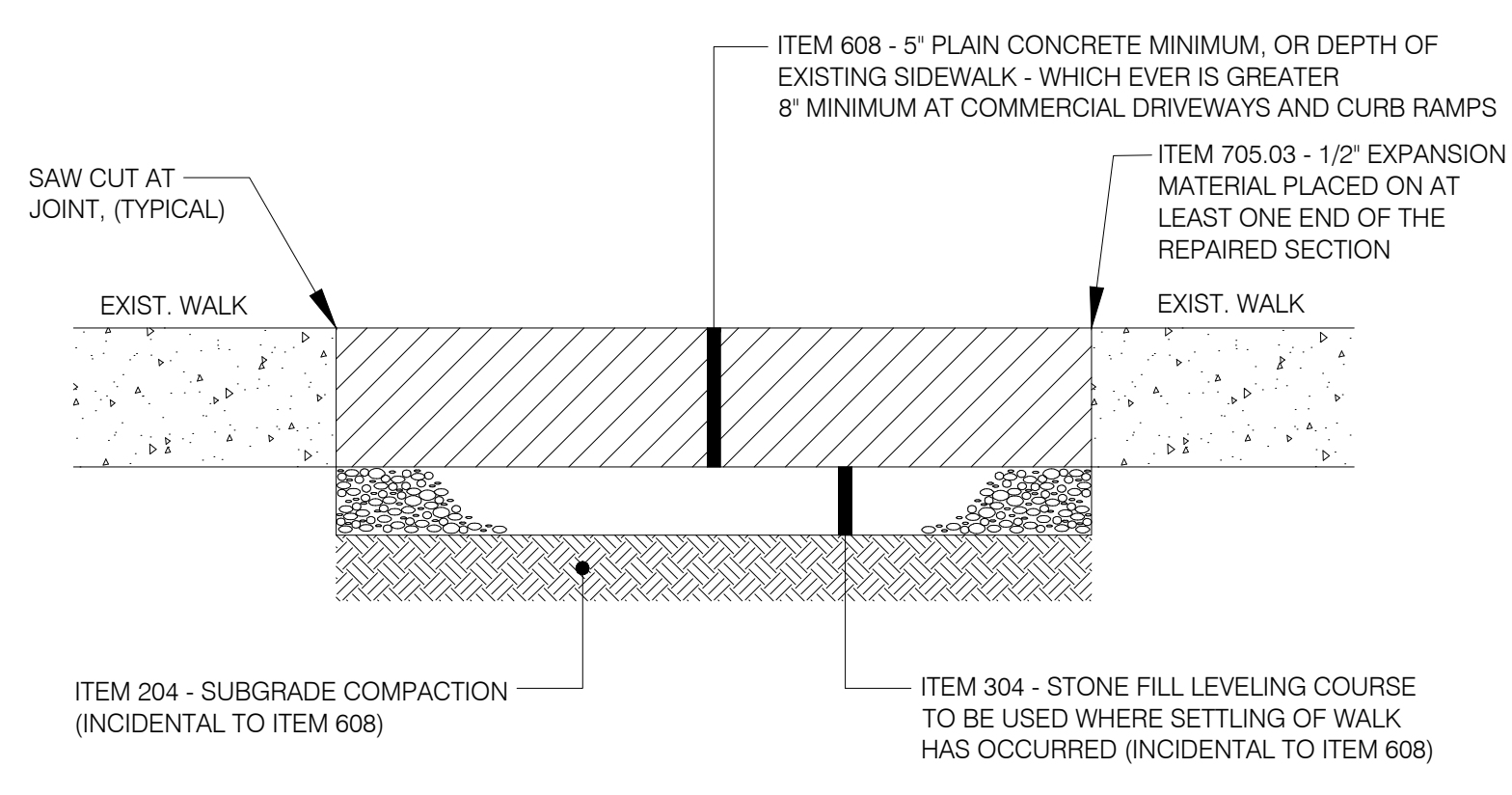


ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR DETAIL

NOTE:
 1.) REMOVE DETERIORATED PAVEMENT TO THE DEPTH SPECIFIED BY THE ENGINEER, SQUARING THE EDGES OF THE AREA TO BE REPAIRED. COAT THE SURFACE AREA WITH 407 MATERIAL BEFORE PLACING ITEM 448. WHEN DETERIORATION EXTENDS TO A DEPTH OF MORE THAN 4\"/>

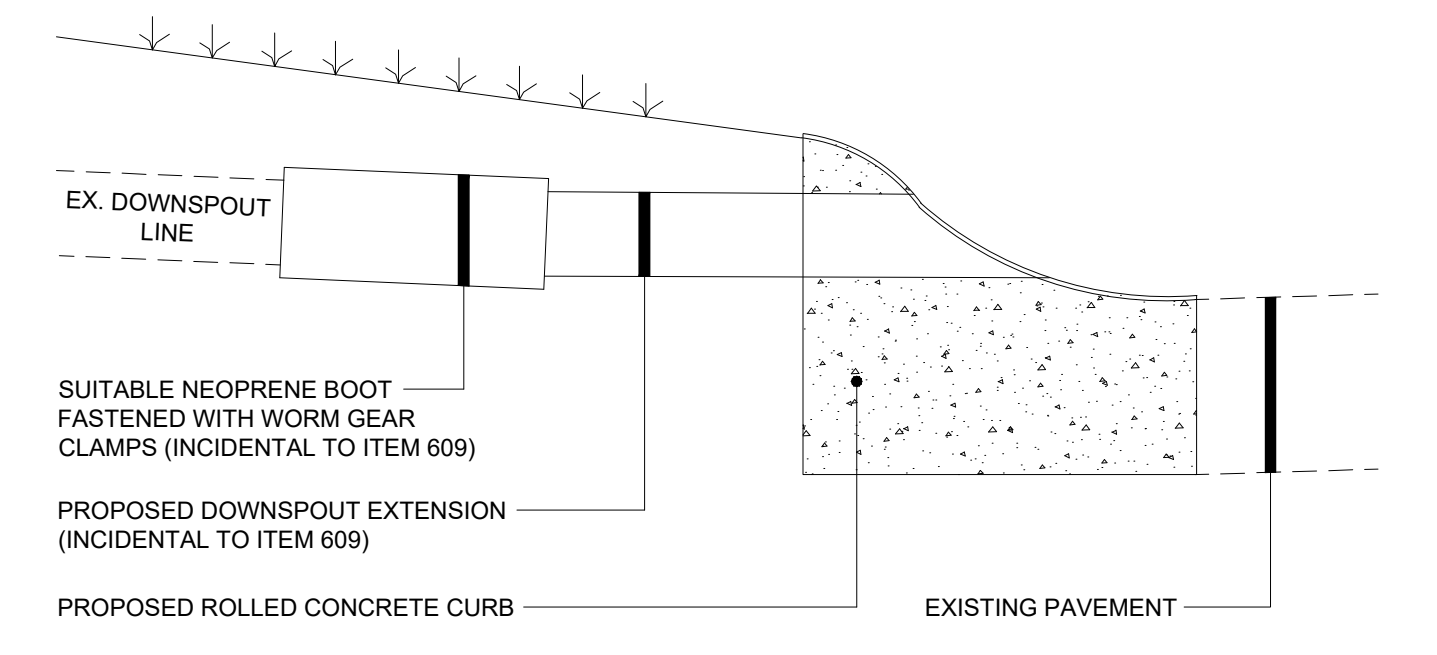


TYPICAL CONCRETE DRIVEWAY REPLACEMENT

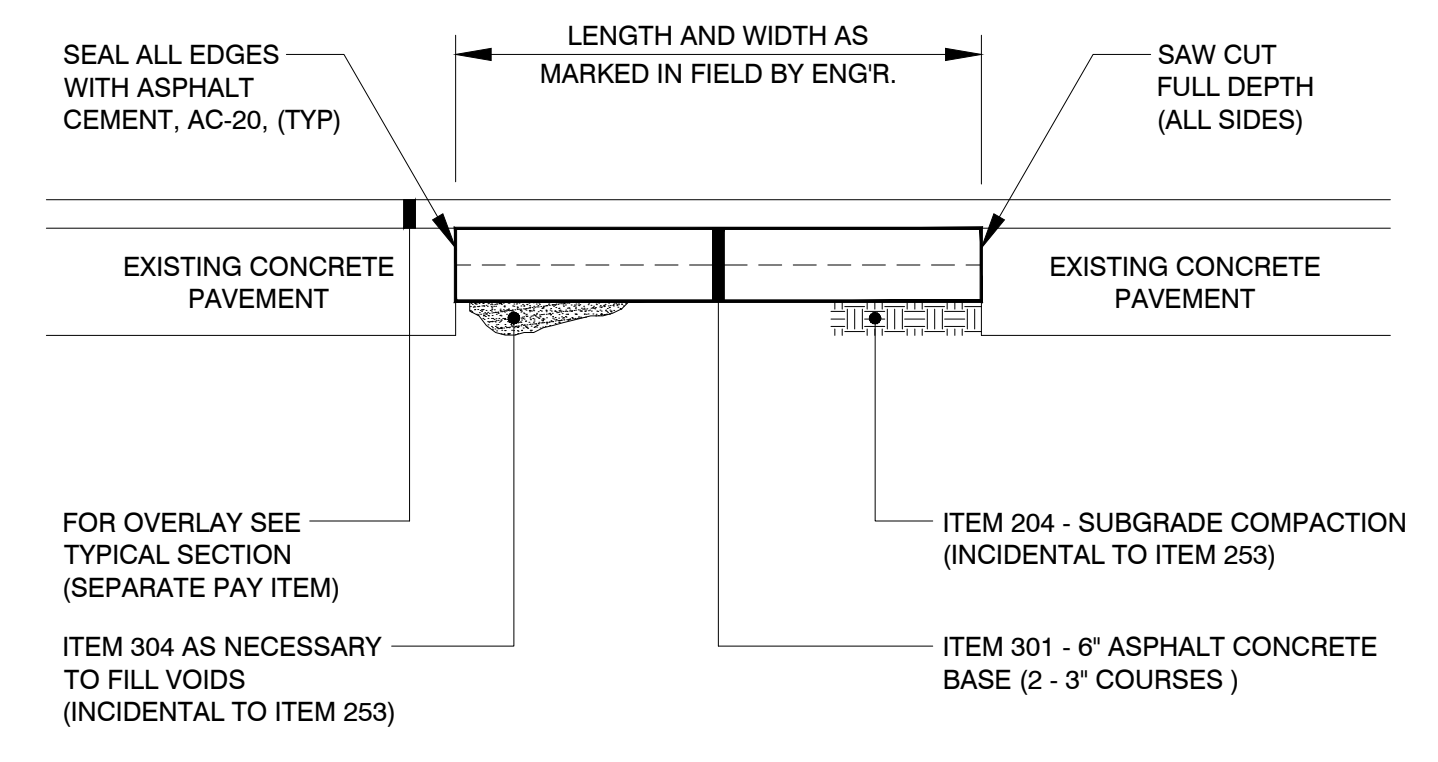


ITEM 608 - CONCRETE WALK SECTION

NOTES:
 1.) REPLACEMENT WALK SHALL MATCH THE LINE AND GRADE OF THE EXISTING WALK AND THE SAME JOINT PATTERN SHALL BE MAINTAINED. THE MINIMUM WIDTH TO BE REPLACED WILL BE TWO (2) FEET. THE OWNER SHALL MARK IN THE FIELD THE WALK TO BE REPLACED.
 2.) DISTURBED YARD AREAS SHALL BE RESTORED TO GRADE, SEEDED AND MULCHED WITHIN ONE (1) WEEK OF THE COMPLETION OF THE CONSTRUCTION OF THE NEW CONCRETE WALK.
 3.) ITEM 705.03 - 1/2\"/>

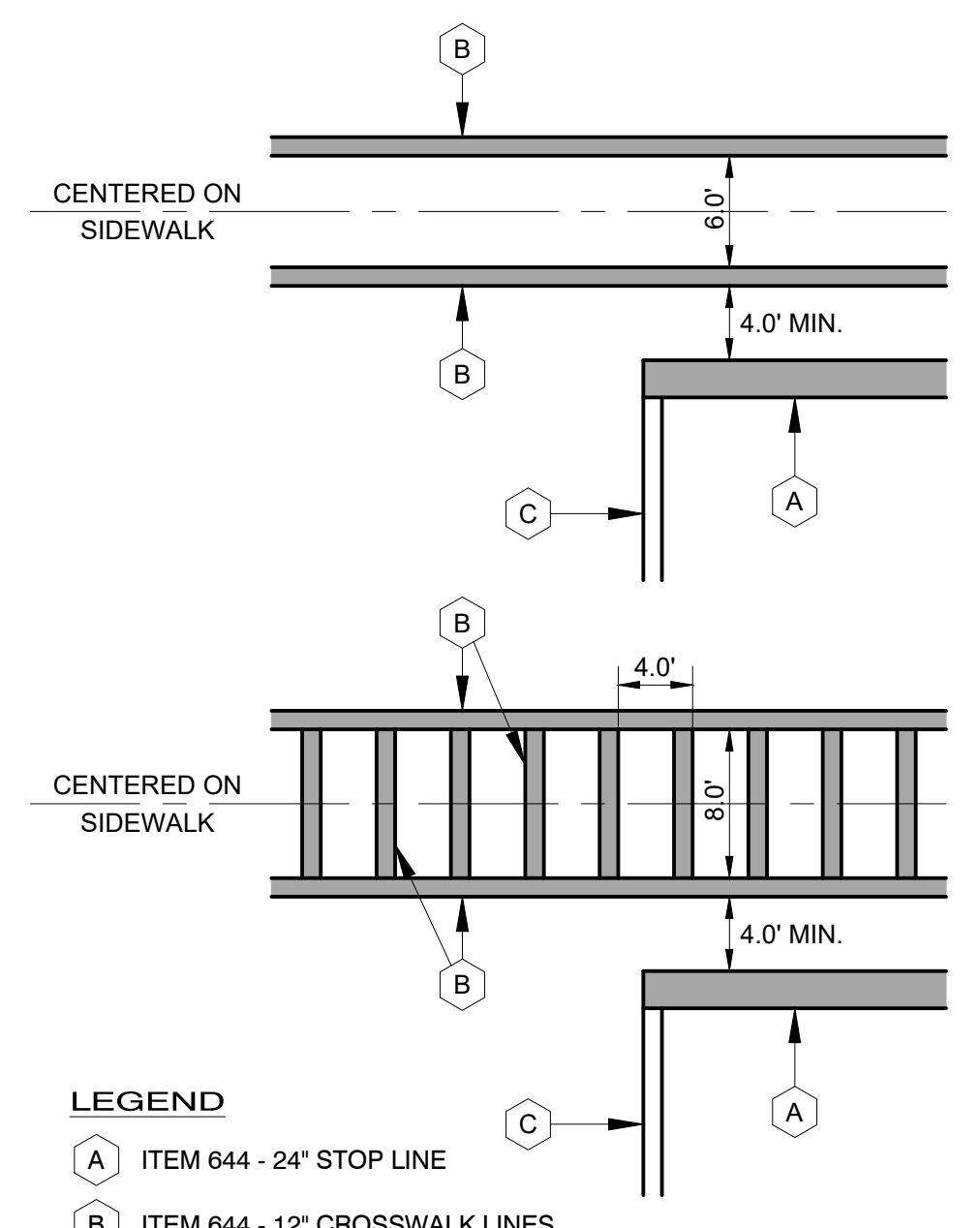


ITEM 611 - DOWNSPOUT EXTENSION

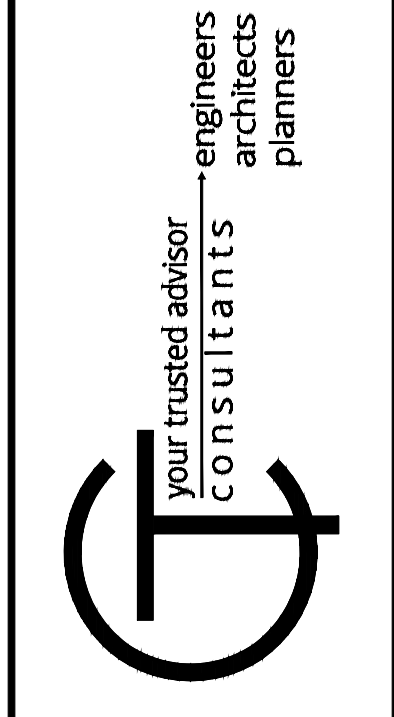


ITEM 253 - PAVEMENT REPAIR DETAIL

NOTES:
 1.) A CONTINGENCY QUANTITY OF ITEM 253 - PAVEMENT REPAIR IS INCLUDED IN THE CONTRACT TO REPLACE ANY PAVEMENT / BASE AREAS AS REQUIRED PRIOR TO PAVING. THE CONTRACTOR SHALL REPAIR ONLY THOSE AREAS MARKED IN THE FIELD BY THE ENGINEER AFTER THE PLANING OPERATIONS.
 2.) THE BASE REPAIR AREAS WILL BE MARKED BY THE ENGINEER PRIOR TO THE PLANING OPERATIONS TO OBTAIN INITIAL QUANTITIES AND AFTER THE PAVEMENT PLANING FOR THE FINAL AREAS TO BE REPAIRED.



ITEM 644 - PAVEMENT MARKING DETAIL

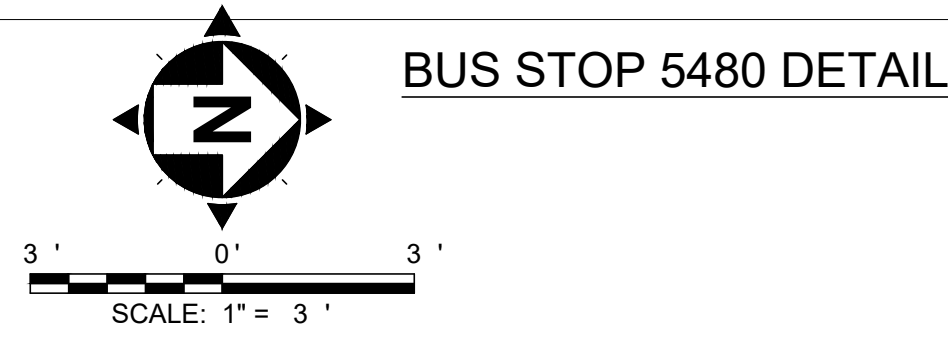
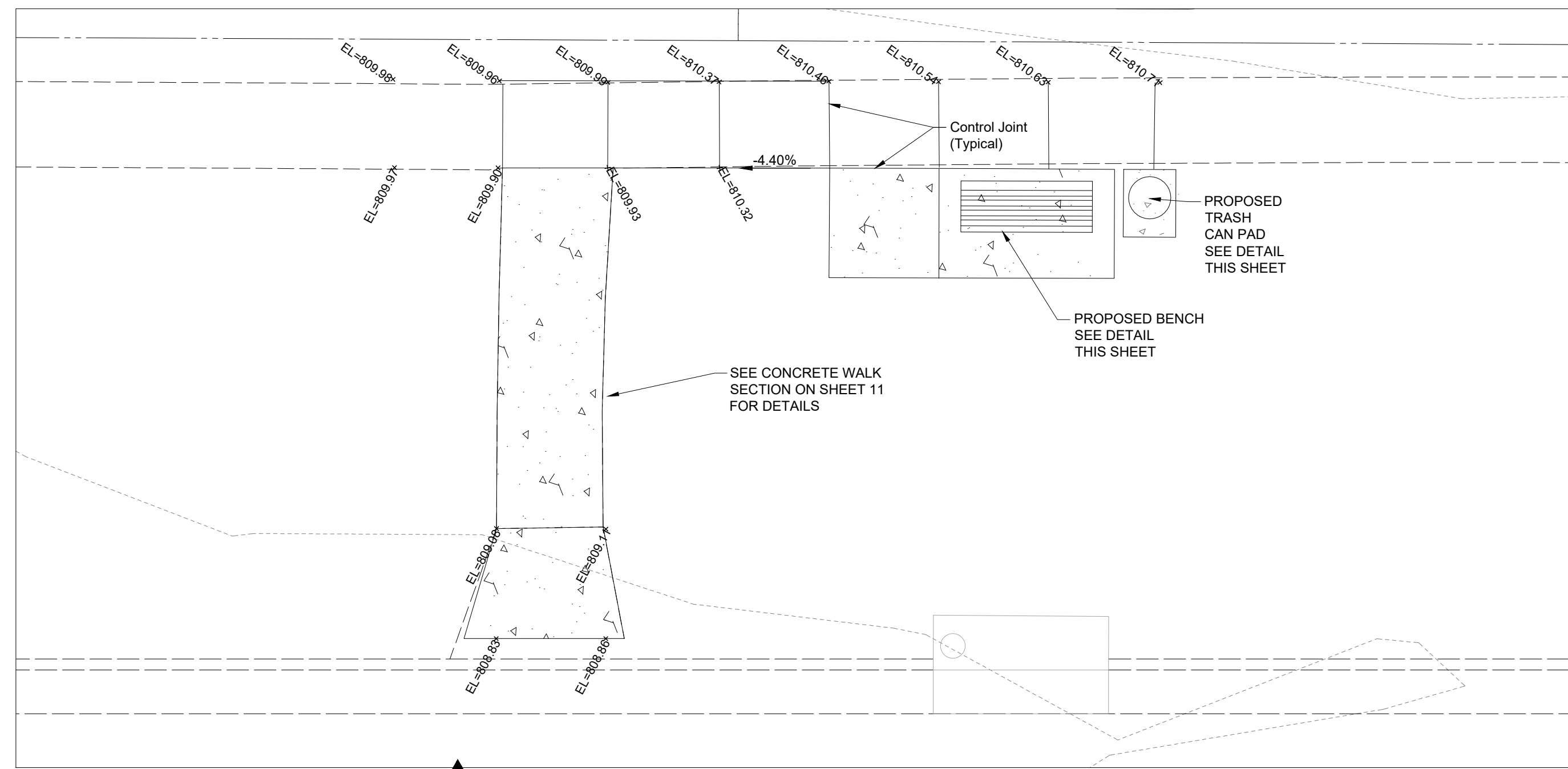


DATE	REVISION	NO	BID	ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	EMOR	DRAWN BY:	JBOW	CHECKED BY:	FTWE
			4/18/2024									

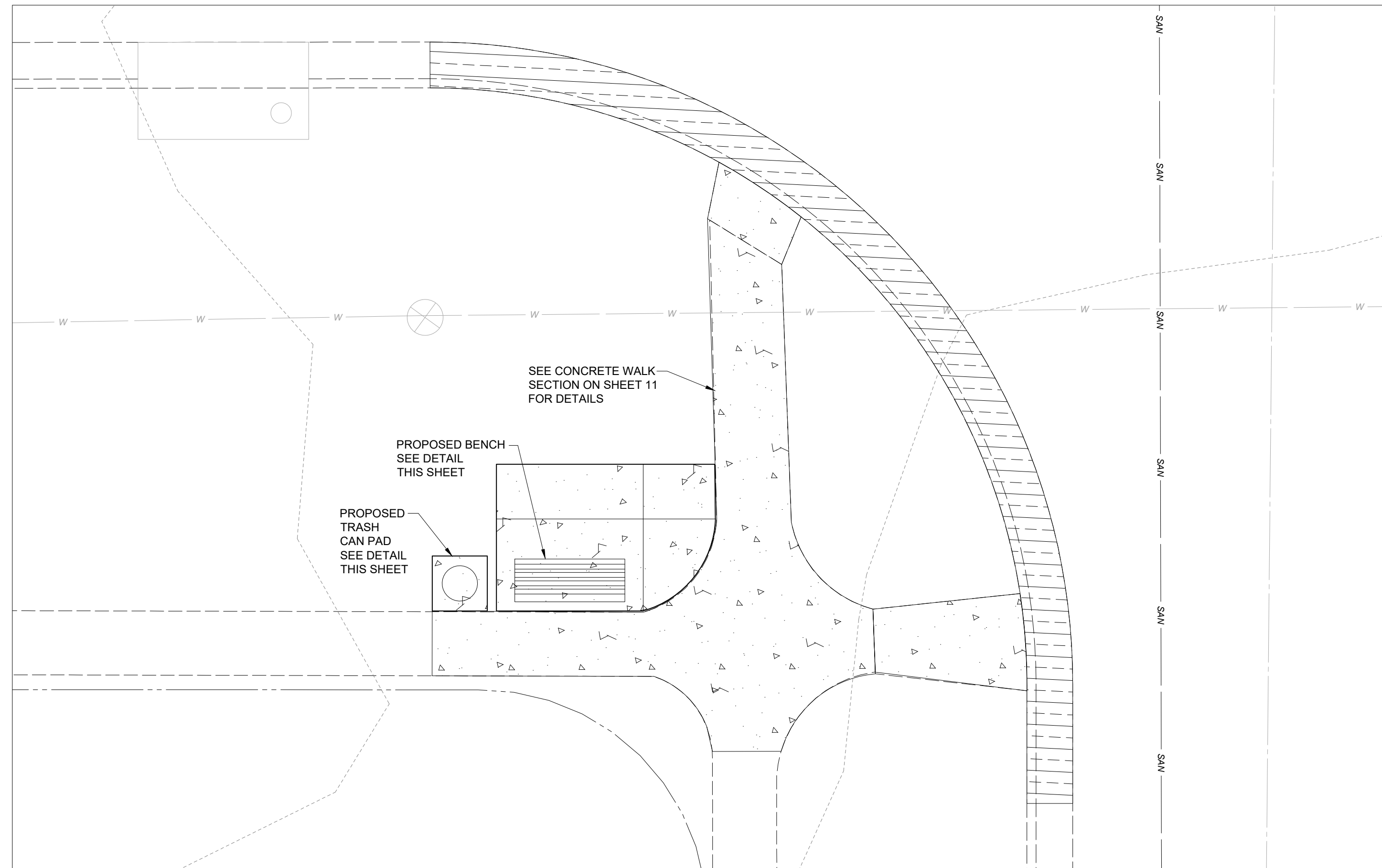
KENN ROAD CORRIDOR IMPROVEMENTS
 CITY OF FOREST PARK,
 HAMILTON COUNTY, OHIO

CONSTRUCTION DETAILS

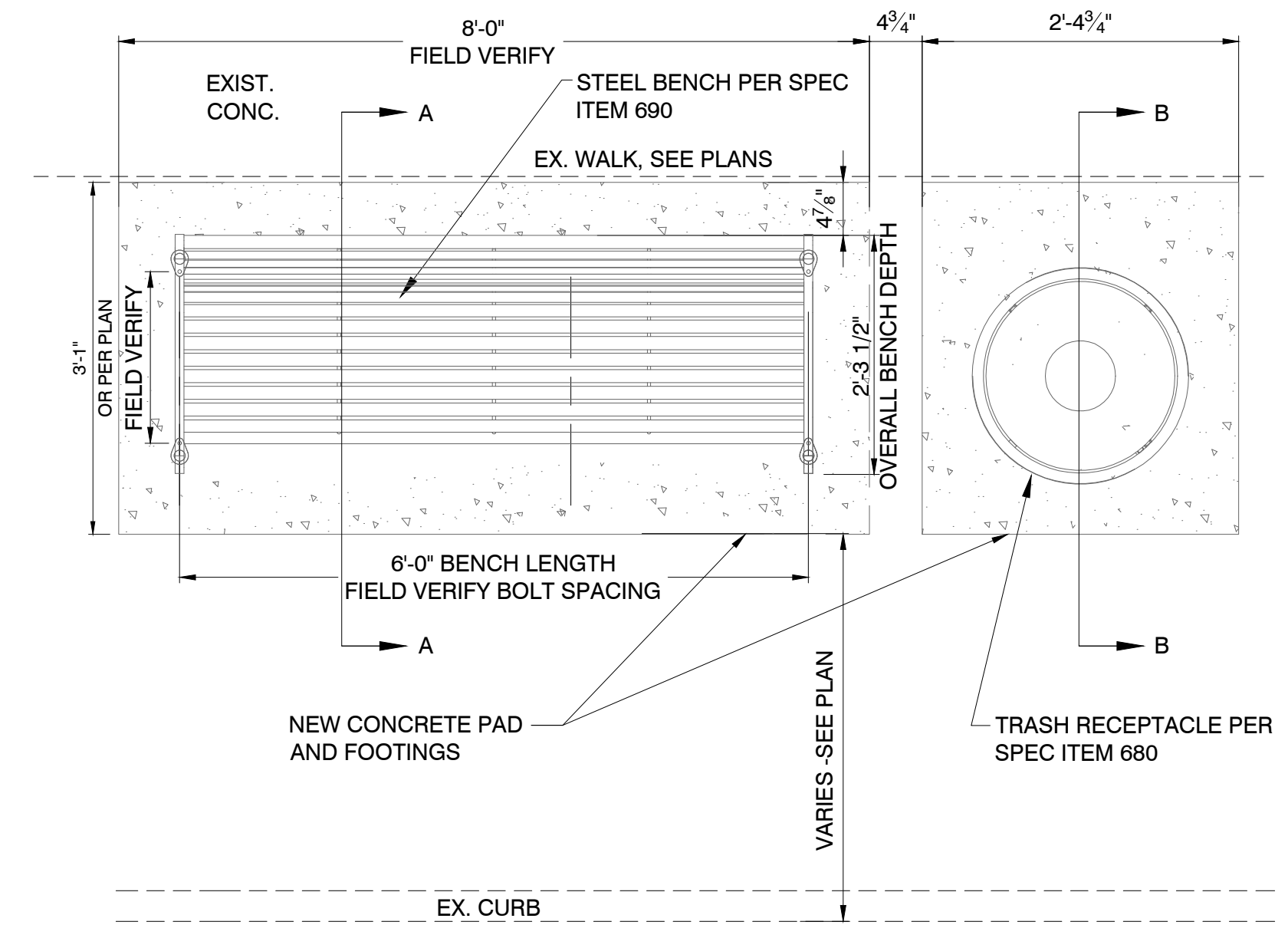
PROJECT NO.	230225
DISCIPLINE	CIVIL
SHEET NAME	DETAILS
SHEET	11
OF	12



BUS STOP 5480 DETAIL

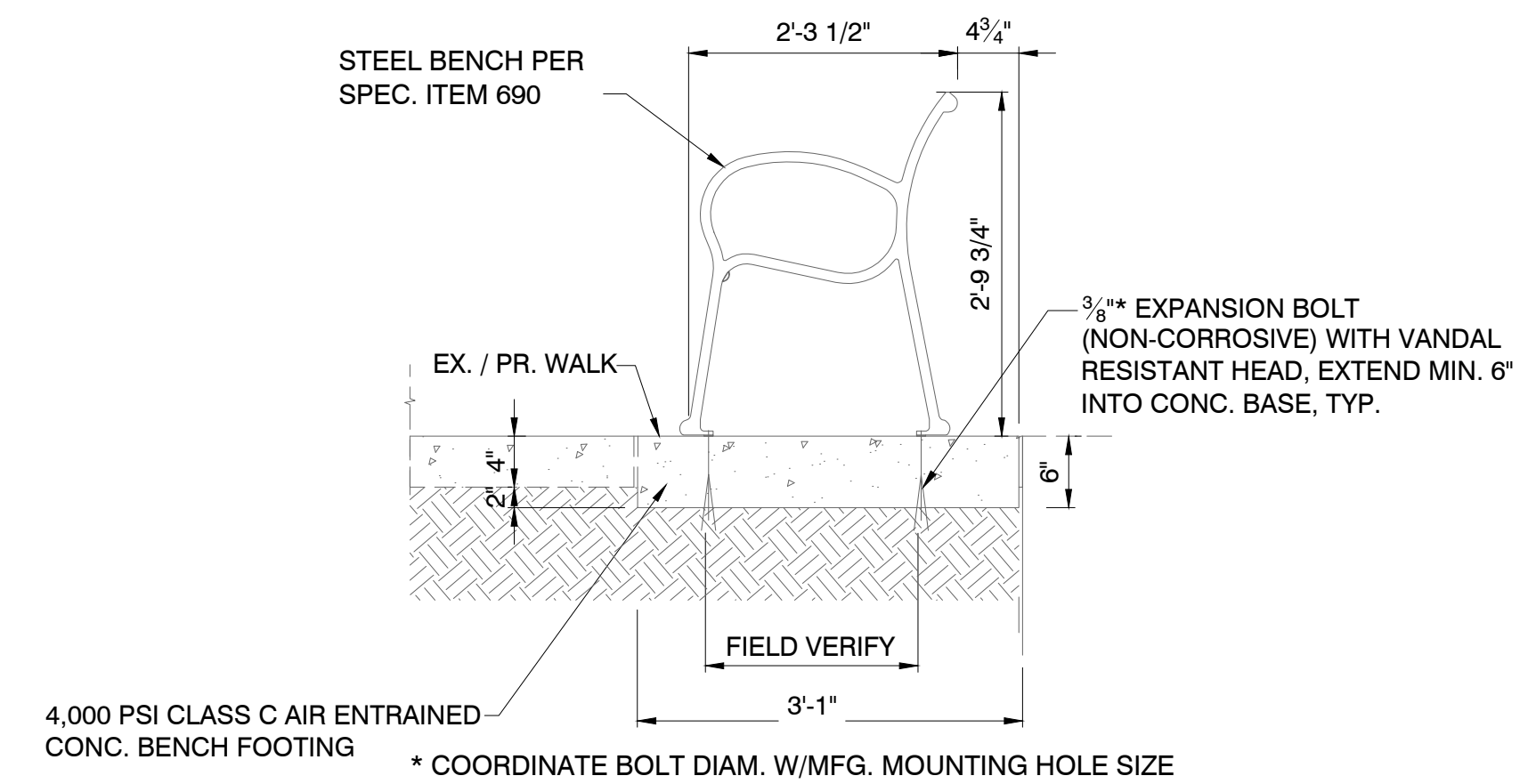


BUS STOP 5485 DETAIL



BENCH AND TRASH RECEPTACLE

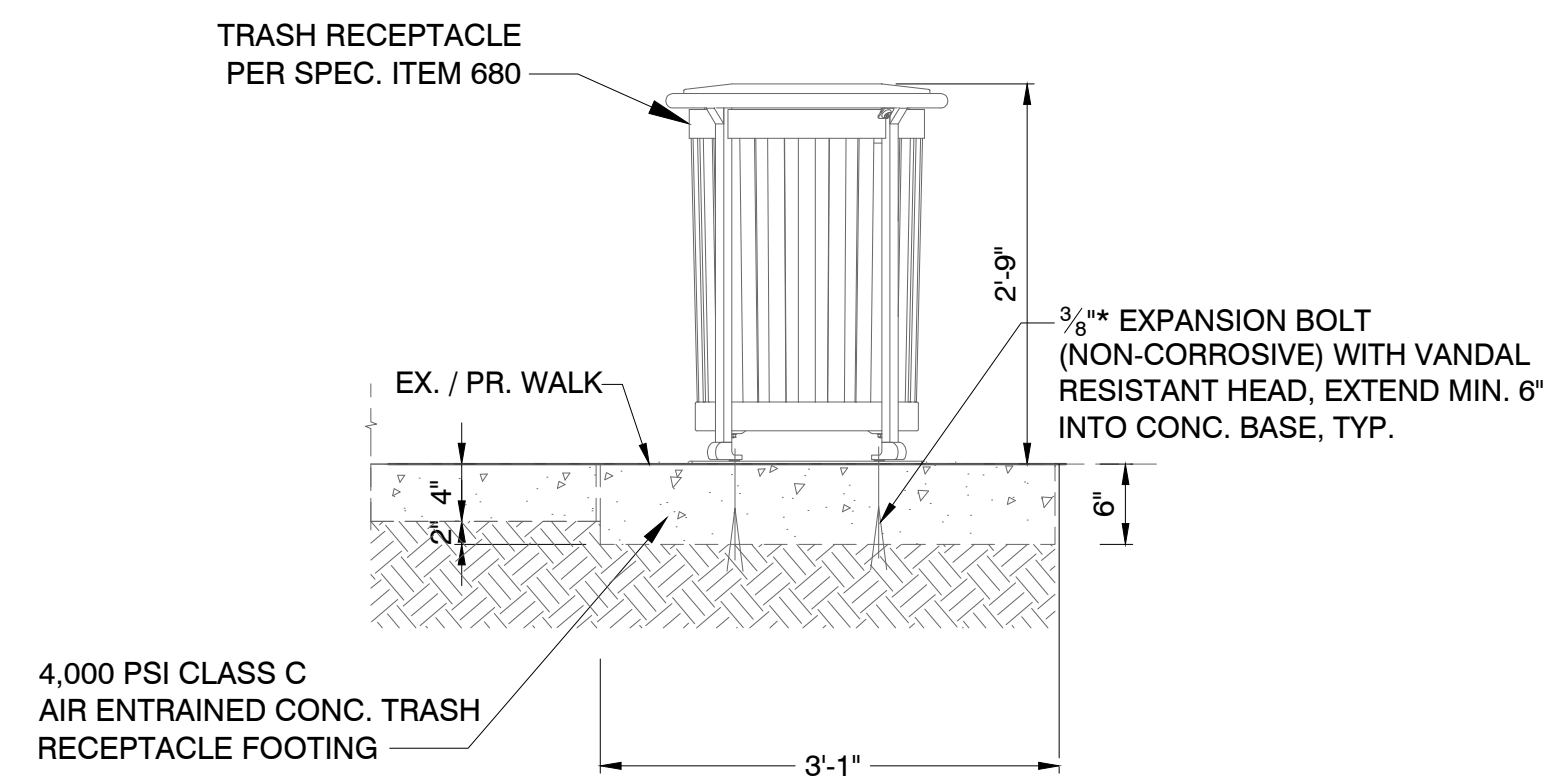
NTS
 NOTE: LOCATION AS SHOWN ON THE PLANS ARE TO BE FIELD LOCATED BY OWNER / ENGINEER PRIOR TO CONSTRUCTION. ALL EXCAVATED AREAS, NOTED CONCRETE PAD, VANDAL RESISTANT BOLTS, AND ANY INCIDENTALS NECESSARY FOR THE INSTALLATION OF THE BENCH AND TRASH RECEPTACLES IS TO BE INCIDENTAL TO ITEM 680 - SPECIAL - TRASH RECEPTACLE AND ITEM 690 - SPECIAL - MISC.: BENCHES



SECTION A-A

NTS

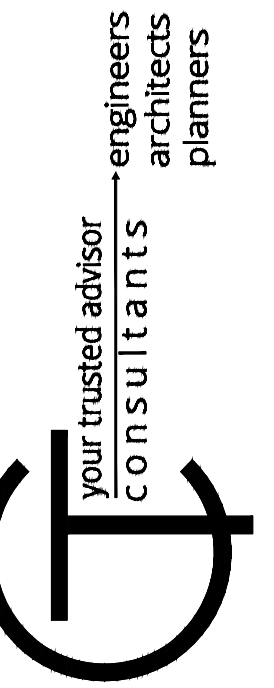
4,000 PSI CLASS C AIR ENTRAINED CONC. BENCH FOOTING * COORDINATE BOLT DIAM. W/MFG. MOUNTING HOLE SIZE



SECTION B-B

NTS

4,000 PSI CLASS C AIR ENTRAINED CONC. TRASH RECEPTACLE FOOTING * COORDINATE BOLT DIAM. W/MFG. MOUNTING HOLE SIZE



DATE	REVISION	NO	BID	ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
			4/18/2024				EMOR	JBOW	FTWE

**KENN ROAD
 CORRIDOR IMPROVEMENTS
 CITY OF FOREST PARK,
 HAMILTON COUNTY, OHIO**

CONSTRUCTION DETAILS

PROJECT NO.	230225
DISCIPLINE	CIVIL
SHEET NAME	DETAILS
SHEET	OF
12	12