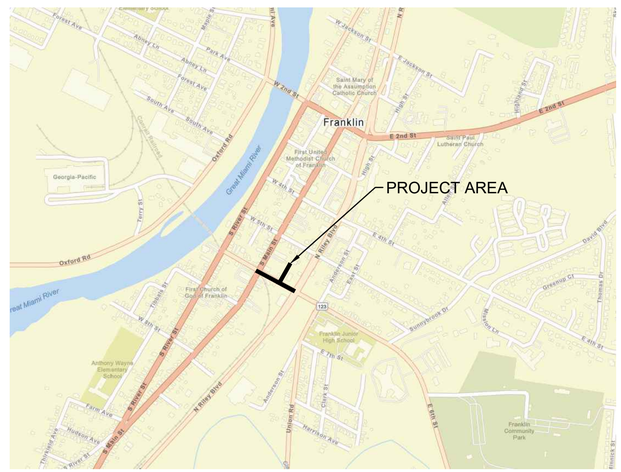
CITY OF FRANKLIN

WARREN COUNTY, OHIO

FRANKLIN 6TH STREET IMPROVEMENTS

43188



VICINITY MAP

SHEET LIST TABLE	
NO.	**SHEET TITLE**
1	TITLE
2	GENERAL NOTES
3	GENERAL NOTES CONT.
4	DETAILS
5	EXISTING CONDITIONS AND DEMO PLAN - OVERALL
6	LAYOUT PLAN - OVERALL
7	UTILITY PLAN - OVERALL
8	GRADING PLAN - OVERALL
9	STRIPING PLAN OVERALL

PROJECT SPECIFICATIONS

IN GENERAL, THE PROJECT SPECIFICATIONS CONFORM TO THE JANUARY1, 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 VERDANTAS SHALL GOVERN ALL WORK AND MATERIALS FOR THIS PROJECT.

ODOT SCD REFERENCES		
DM-1.2	PIPE UNDERDRAINS	7/16/2021
HL-30.11	PULL BOX DETAIL	1/15/2021
BP-5.1	CONCRETE CURBS AND COMBINED CURB & GUTTER	7/15/2022
HL-20.11	MISC. LIGHT POLE FOUNDATIONS & TRENCH DETAILS	10/21/2022
HL-30.22	ROADWAY CONDUIT DETAILS II	1/15/2021
TC-71.10	WORD AND SYMBOL PAVEMENT MARKINGS	4/21/2023

MORK J LACHNIET, PE *PE #71746*

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig
OHIO811.org
Before You Dig
OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

verdantas

NO	REVISION	DATE

ISSUE DATE: 05/29/2026
SCALE: AS SHOWN
DESIGNED BY: JHOO
DRAWN BY: AJAC
CHECKED BY: MLAC

FRANKLIN 6TH STREET IMPROVEMENTS
CITY OF FRANKLIN
WARREN COUNTY, OHIO

TITLE

PROJECT NO. **43188**
DISCIPLINE **CIVIL**
SHEET NAME **TTL**
SHEET **1** OF **9**

Z:\PROJECT FILES\EA-FZ\FRANKLIN\OH\43188 - FRANKLIN - 6TH STREET RESURFACING\CAD\SHEETS AND PLANS\43188 - GENERAL.DWG - TTL - 7/15/2026 9:45:26 AM - JOSEPH HOOD

GENERAL NOTES

GENERAL REQUIREMENTS AND RESPONSIBILITY
ALL OSHA, STATE AND LOCAL SAFETY REGULATIONS SHALL BE FOLLOWED DURING CONSTRUCTION.

UNLESS SPECIFICALLY SET FORTH HEREIN, ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS, THE LATEST EDITION OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS, AND THE CITY OF FRANKLIN.

NO CONSTRUCTION SHALL COMMENCE UNTIL ALL COUNTY, STATE AND CITY OF FRANKLIN PERMITS HAVE BEEN ISSUED, AS REQUIRED. THE CONTRACTOR SHALL PAY ALL CHARGES AND FEES ASSOCIATED WITH THE PERMITS.

THE CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE CITY OF FRANKLIN.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM THEIR 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, THEY SHALL REPLACE THE DAMAGED PORTION AT THEIR 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.

ALL DISTURBED AREAS ARE TO BE RESTORED (SEEDED, MULCHED, AND FERTILIZED) BY THE CONTRACTOR AND SHALL PROCEED WITH JOB PROGRESSION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVING ANY EXCESS MATERIALS AT THE SITE AND MAINTAINING ALL SEEDED AND MULCHED AREAS UNTIL PROJECT COMPLETION AND FINAL INSPECTION BY THE ENGINEER. A RESIDENTIAL YARD SHALL BE RESTORED WITHIN TWENTY-ONE (21) DAYS AFTER CONSTRUCTION.

INCIDENTAL WORK
ANY ITEMS OF LABOR OR MATERIALS REQUIRED BUT NOT SHOWN AS A SEPARATE PAY ITEM IN THE PROPOSAL SHALL BE FURNISHED AND INSTALLED AS **INCIDENTAL** TO THE CONTRACT.

SOURCE OF TOPOGRAPHICAL INFORMATION
THE EXISTING CONDITIONS/TOPOGRAPHICAL INFORMATION SHOWN IN THESE PLANS IS A COMPOSITE OF SURVEYS PERFORMED BY VERDANTAS BETWEEN 2021 AND 2024, INFORMATION PROVIDED BY OTHER PLANS SUCH AS WATER MAIN UPGRADES AND INSTALLATION AND ADJUSTMENTS PROVIDED BY THE CITY OF FRANKLIN.

LAYOUT DIMENSIONS
UNLESS OTHERWISE NOTED DIMENSIONS ARE TO THE FACE OF GUTTER/EDGE OF PROPOSED PAVEMENT.

GRADING PLANS
SPOT ELEVATIONS ARE TO TOP OF FINISHED GRADE, CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING THE APPROPRIATE SUBGRADE TO ACHIEVE THE FINISHED GRADE INDICATED BY THE SPOT ELEVATION.

STORM WATER POLLUTION, EROSION CONTROL AND DUST 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 AND SILTATION AT ALL POINTS OF THE PROJECT. EROSION CONTROL, DISTURBANCE AND RESTORATION PRACTICIES SHALL FOLLOW THE OHIO EPA RAINWATER AND LAND DEVELOPMENT MANUAL. TEMPORARY SEEDING AND MULCHING; STRAW BALES, SLOPE DRAINS, SILT FENCE, INLET PROTECTION, ETC., SHALL BE USED AS NECESSARY OR AS DIRECTED BY THE OWNER/ENGINEER, THE COST OF WHICH SHALL BE INCIDENTAL TO THE OVERALL CONTRACT PRICE.

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.

COORDINATION WITH ADJACENT PROJECTS:
OTHER CONTRACTORS AND/OR UTILITY COMPANIES MAY BE WORKING IN THIS AREA CONCURRENT WITH THIS CONTRACT. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH ADJACENT AND CONCURRENT PROJECTS TO MINIMIZE IMPACTS TO TRAFFIC, ACCESS, AND THE PUBLIC. THIS INCLUDES, BUT IS NOT LIMITED TO, SLIPCAST BREWING, WAR S RIVER & S MAIN NS (ODOT PID 115153), CITY WATER MAIN IMPROVEMENTS ON VARIOUS STREETS, AND THE SIXTH STREET PUBLIC PARKING LOT. THE CONTRACTOR SHALL COOPERATE WITH ALL PARTIES INVOLVED AND SEQUENCE THE WORK ACCORDINGLY.

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.

CONSTRUCTION LIMITS AND SITE USE

THE CONTRACTOR SHALL LIMIT THEIR WORK AREA TO THE EASEMENTS AND RIGHTS-OF-WAY SHOWN ON THESE PLANS UNLESS WRITTEN PERMISSION IS GIVEN BY THE PROPERTY OWNER AND APPROVED BY THE CITY OF FRANKLIN.

CONSTRICT ALL ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. UNLESS OTHERWISE IDENTIFIED IN THE PLANS OR PROPOSAL, THE CONSTRUCTION LIMITS ARE LIMITED TO THE EXISTING RIGHT-OF-WAY. SUBMIT A WRITTEN REQUEST TO THE PROJECT ENGINEER TO USE ANY AREA OUTSIDE THESE LIMITS. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA. USE OF THESE AREAS FOR DISPOSAL OF WASTE MATERIAL AND CONSTRUCTION DEBRIS, EXCAVATION OF BORROW MATERIAL AND PLACEMENT OF PORTABLE PLANTS IS PROHIBITED. THE REQUEST MUST BE APPROVED, IN WRITING, BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA.

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS, AS DEFINED ABOVE, WILL BE REPLACED IN-KIND OR AS APPROVED BY THE PROJECT ENGINEER.

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 8PM AND 7AM. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

MAINTENANCE OF TRAFFIC

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT TO THE ENGINEER AND THE OWNER A TRAFFIC CONTROL PLAN FOR THIS PROJECT. THIS PLAN SHOULD INCLUDE THE FOLLOWING REQUIREMENTS:

- ALL MAINTENANCE OF TRAFFIC PROCEDURES SHALL MEET THE REQUIREMENT OF THE MOT / TEMPORARY TRAFFIC CONTROL IN PART 6 OF THE OMUTCD (Ohio Manual of Uniform Traffic Control Devices). THE CONTRACTOR SHALL PROVIDE SUFFICIENT SIGNAGE, WARNING LIGHTS, BARRICADES, BARRELS AND OTHER NECESSARY DEVICES MAKE THE SITE SAFE TO THE TRAVELING PUBLIC.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO LOCAL TRAFFIC AND ACCESS TO RESIDENCES AND BUSINESS WITHIN CONSTRUCTION LIMITS AT ALL TIMES.
- RESIDENTS AND BUSINESSES OF THE PROJECT AREA SHALL BE ALLOWED ACCESS TO THEIR PROPERTY AT ALL TIMES.
- EACH DRIVEWAY SHALL BE ACCESSIBLE WHENEVER POSSIBLE. WHEN PORTLAND CEMENT CONCRETE CONSTRUCTION AFFECTS A DRIVEWAY, THE CONTRACTOR SHALL NOTIFY THE AFFECTED OWNERS 24 HOURS IN ADVANCE AND ADVISE THEM TO FIND ALTERNATIVE PARKING FOR A PERIOD OF AT LEAST 10 CALENDAR DAYS AFTER THE POUR. ALTERNATIVE PARKING SHALL INCLUDE "ON STREET" PARKING WITH ACCESS TO THE PROPERTY. TEMPORARY SIDEWALKS, ETC. WILL BE NECESSARY TO PREVENT PERSONS FROM WALKING IN MUD IN ORDER TO ENTER THEIR PROPERTY. TEMPORARY BRIDGES, RAILINGS ETC. WILL BECOME NECESSARY IN ORDER TO CROSS FORMED CURB LINES, EXCAVATED AREAS BEHIND CURB LINES AND WALKWAYS, ETC.
- AT LEAST ONE SIDE OF THE STREET SHALL REMAIN ASSESSABLE TO PEDESTRIANS. PROVIDE PROPER SIGNS AND TEMPORARY BARRIERS TO DIRECT AND PROTECT PEDESTRIANS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CITY OF FRANKLIN AND THE FRANKLIN POLICE DEPARTMENT. AT ALL TIMES, EMERGENCY VEHICLES SHALL BE GIVEN ACCESS.

UTILITY NOTES

THIS PLAN SHOWS THE APPROXIMATE LOCATION OF UNDERGROUND UTILITIES (GAS, WATER, STORM SEWER, SANITARY SEWER, TELEPHONE, ELECTRIC, ETC.). THE PREPARER DOES NOT GUARANTEE THEIR ACCURACY OR CORRECTNESS. THE UTILITY INFORMATION PROVIDED ON THE PLANS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE UTILITY AS WELL AS THE SERVICE LATERALS AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL PRACTICE CARE DURING THE GRADING AND TRENCH EXCAVATION AND SHALL BE RESPONSIBLE FOR REPLACING ANY SERVICES THAT ARE DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.

PRIOR TO ANY EXCAVATION OVER AN EXISTING UTILITY LINE OR SERVICE, CONTRACTOR SHALL HAND EXCAVATE TO EXPOSE THE UTILITY AND DETERMINE LOCATION AND DEPTH. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS.

TOPS OF EXISTING AND PROPOSED CASTING ELEVATIONS ARE SUBJECT TO FINAL ADJUSTMENTS AS APPROVED BY THE ENGINEER AND REQUIREMENTS OF UTILITY OWNER. THIS WORK WILL BE INCIDENTAL TO THE CONTRACT.

FORTY-EIGHT (48) HOURS BEFORE EXCAVATION IS TO COMMENCE, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES: THE OHIO UTILITY PROTECTION SERVICE AND ALL OTHER UTILITIES THAT MAY HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NON-MEMBERS OF OHIO UNDERGROUND PROTECTION.

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.

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

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

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

COMMUNICATIONS
ALTA FIBER
201 E. FOURTH STREET
BLDG. 121-900
CINCINNATI, OHIO 45201
513-565-7043

CHARTER (SPECTRUM / TIME WARNER)
10920 KENWOOD ROAD
CINCINNATI, OHIO 45242
513-386-5918

COMMUNICATIONS
LUMEN (CENTURYLINK / LEVEL 3)
9490 MERIDIAN WAY
WEST CHESTER, OHIO 45069
513-644-8933

AT&T OHIO
7201 FAR HILLS AVENUE
DAYTON, OHIO 45459
937-296-3588

WATER / SANITARY / STORM SEWER
CITY OF FRANKLIN PUBLIC WORKS
DEPARTMENT OF WATER & SEWER
202 BAXTER DRIVE
FRANKLIN, OHIO 45005
937-746-5001

STORM & SANITARY NOTES

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 OWNER / ENGINEER.

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

MANHOLES, CATCH BASINS AND INLETS
ALL CASTINGS FOR MANHOLES, CATCH BASINS AND INLETS SHALL CONFORM TO THOSE SPECIFIED IN THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS. 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 (TC) ELEVATIONS ARE SUBJECT TO FINAL ADJUSTMENTS AS APPROVED BY THE OWNER / ENGINEER. ALL MANHOLES WITHIN WALK AREA SHALL HAVE A FLAT FLUSH COVER. ALL CASTINGS USED SHALL BE SUBJECT TO THE FINAL APPROVAL OF THE OWNER / ENGINEER. CONTRACTOR SHALL ENSURE ALL EXISTING MANHOLE LIDS ARE FREE OF ASPHALT MATERIAL AFTER PAVING AND ARE ABLE TO BE OPENED. IF ANY ASPHALT MATERIAL REMAINS ON THE LIDS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AT THE CONTRACTOR'S EXPENSE.

CONTRACTOR SHALL BE REQUIRED TO MAINTAIN STORM AND SANITARY SEWER FLOW THROUGHOUT THE PROJECT, FOR THE DURATION OF CONSTRUCTION. ALL COST FOR THE ABOVE SHALL BE INCIDENTAL TO THE CONTRACT.

REVIEW OF DRAINAGE FACILITIES
BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE CITY OF FRANKLIN, THE CONTRACTOR WITH THE OWNER AND ENGINEER OR FIELD 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.

SANITARY SEWER LATERALS
ANY SANITARY SEWER LATERAL ENCOUNTERED DURING EXCAVATION SHALL BE EXPOSED BETWEEN THE SANITARY SEWER MAIN AND THE BUILDING. PROPERTY OWNERS SHALL BE NOTIFIED OF ANY POTENTIAL OUTAGE DUE TO RECONSTRUCTION OF SEWER LATERALS. CONTRACTOR SHALL MINIMIZE THE OUTAGE PERIOD DUE TO RE-CONSTRUCTION OR BREAKING OF SANITARY LATERALS. WHEN POSSIBLE THE SANITARY SEWER LATERAL SHALL BE RE-CONSTRUCTED TO BE UNDER THE PROPOSED UTILITY CROSSING AND THEN BEND BACK UP TO THE HOUSE CONNECTION. IF RE-CONSTRUCTION IS NOT FEASIBLE, NOTIFY THE ENGINEER AND MAINTAIN SERVICE THROUGH PUMPING OR BYPASS PIPING.

DEMOLITION & REMOVAL NOTES

REMOVAL OF ITEMS
ABOVE OR AT GRADE ITEMS DESIGNATED TO BE REMOVED SHALL BE DE-ENERGIZED AND DISCONNECTED FROM CONNECTING UTILITIES AND REMOVED IN THEIR ENTIRETY AND PROPERLY DISPOSED OF AT AN APPROPRIATE STATE LICENSED DISPOSAL FACILITY. ANY VOIDS LEFT BY THE REMOVAL OF THE ITEM SHALL BE FILLED AND COMPACTED WITH NATIVE SOIL, OR SUITABLE GRANULAR MATERIAL.

BELOW GRADE ITEMS DESIGNATED TO BE REMOVED SHALL BE EXCAVATED DOWN A MINIMUM OF 5' BELOW GRADE, NEATLY SAW CUT AND PROPERLY DISPOSED OF AT AN APPROPRIATE STATE LICENSED DISPOSAL FACILITY. ANY VOIDS LEFT BY THE REMOVAL OF THE ITEM SHALL BE FILLED AND COMPACTED WITH NATIVE SOIL, SUITABLE GRANULAR MATERIAL, OR LOW STRENGTH MORTAR.

UTILITIES MARKED TO BE REMOVED SHALL BE REMOVED WITHIN ANY PROPOSED EXCAVATION ZONE AND MAY BE ABANDONED IN PLACE BEYOND THE EXCAVATION ZONES.

UTILITIES TO BE ABANDONED SHALL BE CLEANLY CUT AT THE EXCAVATION LIMITS, PUMPED AND FILLED WITH LOW STRENGTH MORTAR PER ODOT ITEM 613 OR NON-SHRINK NON-METALLIC GROUT AND CAPPED WITH AN END CAP MANUFACTURED OF THE SAME MATERIAL AS THE UTILITY TO BE ABANDONED. PLEASE NOTE THAT ANY UTILITIES WITHIN 12" OF SUBGRADE SHALL BE REMOVED IN THEIR ENTIRETY.

GENERAL SALVAGE ITEMS
ITEMS TO BE REMOVED AND SALVAGED SHALL BE CLEANLY REMOVED FROM THEIR ANCHORAGE SUPPORTS AND CAREFULLY SHIPPED TO THE CITY MAINTENANCE FACILITY. CARE SHALL BE TAKEN TO NOT FURTHER DAMAGE THE SALVAGED ITEMS DURING LOADING, TRANSPORT, UNLOADING AND STORAGE OF SAID ITEMS.

PLAQUES, MARKERS, AND OTHER KEEPSAKE MEMENTOS FOUND DURING THE DEMOLITION OF THE PROJECT SHALL BE REMOVED, CLEANED, AND RETURNED TO THE CITY OF FRANKLIN.

UTILITIES REMOVED BY OTHERS
ITEMS TO BE REMOVED BY OTHERS SHALL BE COORDINATED BY THE CONTRACTOR TO ENSURE THE WORK CAN PROGRESS WITHOUT DELAYS OR INTERRUPTIONS TO THE GREATEST EXTENT POSSIBLE.

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.

MATERIALS AND TESTING

MATERIALS AND SPECIFICATIONS
UNLESS OTHERWISE SPECIFIED, ALL MATERIALS SHALL BE NEW OF PREMIUM QUALITY, PROPER AND SUFFICIENT FOR THE PURPOSE INDICATED. THE CONTRACTOR SHALL FURNISH, UPON REQUEST, SATISFACTORY EVIDENCE AS TO TYPE AND QUALITY OF MATERIALS. WORKMANSHIP RELATED TO INSTALLATION AND CONSTRUCTION OF ITEMS SHALL BE OF PREMIUM QUALITY, MEETING OR EXCEEDING INDUSTRY STANDARDS.

ALL ITEMS AND/OR MATERIAL PROPOSED BY THE CONTRACTOR FOR SUBSTITUTIONS MUST BE APPROVED BY THE ENGINEER AND OWNER 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.

EXPANSION MATERIAL SHALL BE FLEXIBLE FOAM MATERIAL, IN ACCORDANCE WITH THE ODOT CMS, INSTALLED IN AREAS OF CONCRETE WALK, DRIVES OR CURB/GUTTER ONLY AT THE FOLLOWING:

- PER THE DRIVEWAY AND SIDEWALK DETAILS.
- AT ALL RIGID STRUCTURES (I.E. DRIVES, CURBS, BUILDINGS, STEPS, ETC.)
- AT ALL STREET INTERSECTIONS AT THE POINT OF CURVATURE OF THE TURNING RADII ENTERING THE INTERSECTION.
- NO CONCRETE SHALL BE LEFT ABOVE THE EXPANSION MATERIAL OR ACROSS THE JOINT AT ANY POINT. ANY CONCRETE SPANNING THE ENDS OF THE JOINT NEXT TO THE FORMS SHALL BE CAREFULLY CUT AWAY AFTER THE FORMS ARE REMOVED. BEFORE THE PAVEMENT IS OPENED TO TRAFFIC, THE GROOVE ABOVE THE EXPANSION JOINT MATERIAL SHALL BE CLEANED AND SEALED WITH JOINT SEALING MATERIAL.

MATERIAL TESTING
THE CONTRACTOR SHALL PERFORM ALL MATERIAL TESTING PER ODOT FOR THE INDICATED CONSTRUCTION MATERIAL.TESTING LOGS SHALL BE MADE AVAILABLE TO THE OWNER UPON REQUEST. COSTS FOR MATERIAL TESTING SHALL BE INCLUDED IN THE ITEM NUMBER RELATED TO THE BID FORM.

SYMBOL LEGEND

EXISTING GAS LINE
EXISTING GAS SERVICE
EXISTING ELECTRIC (UNDERGROUND / OVERHEAD)
EXISTING CABLE (UNDERGROUND / OVERHEAD)
EXISTING TELEPHONE (UNDERGROUND / OVERHEAD)
EXISTING WATER MAIN
EXISTING WATER SERVICE
EXISTING STORM SEWER
EXISTING ROOF DRAIN
EXISTING SANITARY SEWER
EXISTING SANITARY FORCE MAIN
EXISTING FIBER OPTICS
EXISTING FENCE
EXISTING CONTOURS (MAJOR)
EXISTING CONTOURS (MINOR)
EXISTING RIGHT OF WAY
EXISTING PROPERTY LINE
EXISTING EASEMENT
EXISTING GUARDRAIL
EXISTING TREE LINE

PROPOSED GAS LINE
PROPOSED GAS SERVICE
EXISTING ELECTRIC (UNDERGROUND / OVERHEAD)
PROPOSED CABLE (UNDERGROUND / OVERHEAD)
PROPOSED TELEPHONE (UNDERGROUND / OVERHEAD)
PROPOSED WATER MAIN
PROPOSED WATER SERVICE
PROPOSED STORM SEWER
PROPOSED UNDERDRAIN
PROPOSED UNDERDRAIN / DOWNSPOUT COLLECTOR COMBO
PROPOSED SANITARY SEWER
PROPOSED SANITARY FORCE MAIN
PROPOSED FIBER OPTICS
PROPOSED FENCE
PROPOSED CONTOURS (MAJOR)
PROPOSED CONTOURS (MINOR)
PROPOSED RIGHT OF WAY
PROPOSED PROPERTY LINE
PROPOSED EASEMENT
PROPOSED GUARDRAIL
PROPOSED TREE LINE / CLEARING LIMITS
PROPOSED DISTURBED LIMITS

EXISTING FLAGPOLE
EXISTING MAILBOX
EXISTING SIGN
EXISTING CABLE PEDESTAL
EXISTING ELECTRIC PEDESTAL
EXISTING PULL BOX
EXISTING GROUND LIGHT
EXISTING LIGHT POLE
EXISTING ELECTRIC METER
EXISTING ELECTRIC MANHOLE
EXISTING GAS METER
EXISTING GAS VALVE
EXISTING GAS BOX
EXISTING UTILITY POLE
EXISTING GUY WIRE / ANCHOR
EXISTING SANITARY MANHOLE
EXISTING SANITARY CLEANOUT
EXISTING STORM MANHOLE
EXISTING SINGLE / DOUBLE CURB INLET
EXISTING CATCH BASIN
EXISTING STORM CLEANOUT
EXISTING TELEPHONE MANHOLE
EXISTING TELEPHONE PEDESTAL
EXISTING FIRE HYDRANT
EXISTING WATER METER
EXISTING WATER MANHOLE
EXISTING WATER VALVE
EXISTING BUSHES / TREES
EXISTING SURVEY BENCHMARK
TEST BORING LOCATION

PROPOSED FLAGPOLE
PROPOSED MAILBOX
PROPOSED SIGN
PROPOSED CABLE PEDESTAL
PROPOSED ELECTRIC PEDESTAL
PROPOSED PULL BOX
PROPOSED GROUND LIGHT
PROPOSED LIGHT POLE
PROPOSED ELECTRIC METER
PRPOSED ELECTRIC MANHOLE
PROPOSED GAS METER
PROPOSED GAS VALVE
PROPOSED GAS BOX
PROPOSED UTILITY POLE
PROPOSED GUY WIRE / ANCHOR
PROPOSED SANITARY MANHOLE
PROPOSED SANITARY CLEANOUT
PROPOSED STORM MANHOLE
PROPOSED SINGLE / DOUBLE CURB INLET
PROPOSED CATCH BASIN
PROPOSED STORM CLEANOUT
PROPOSED TELEPHONE MANHOLE
PROPOSED TELEPHONE PEDESTAL
PROPOSED FIRE HYDRANT
PROPOSED WATER METER
PROPOSED WATER VALVE
REMOVE EXISTING BUSH / TREE
PROPOSED SLOPE DIRECTION

SPOT ELEVATION LABELS:
DC = DROP CURB
GU = GUTTER
TC = TOP OF CURB

verdantas

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GENERAL NOTES

PROJECT NO. 43188
DISCIPLINE: CIVIL
SHEET NAME: GEN1
SHEET 2 OF 9

PAVEMENT ITEM NOTES

GENERAL
EXCAVATION AND EMBANKMENT TO ESTABLISH SUBGRADE, SUBGRADE STABILIZAITON AND PROOF ROLLING OF SUBGRADE OUTSIDE OF THE ASPHALT PLANNING AND OVERLAY SHALL ALL BE INCIDENTAL TO THE BID ITEMS. SUBSEQUENT HAUL OFF OR IMPORTING OF MATERIAL SHALL ALSO BE INCIDENTAL TO THE BID ITEMS.

204 SUBGRADE STABILIZATION WITH GEOGRID
THIS ITEM SHALL CONSIST OF OVER EXCAVATING POOR SOILS AND BACKFILLING THE AREAS WITH A COMBINATION OF STONE, GEOGRID MATERIAL AND ASPHALT PER THE DETAILS INDICATED IN THESE PLANS. DURING THE PROOF-ROLL TEST OF THE SUBGRADE THE ENGINEER SHALL MARK AREAS IN THE FIELD WHERE OBSERVED DEFLECTIONS EXCEED 0.5" OR CAUSE SUBSTANTIAL RUTTING OF THE SUBGRADE. THESE MARKINGS WILL BE FIELD MEASURED AND AGREED UPON PRIOR TO PERFORMING THE WORK. THE UNIT PRICE SHALL INCLUDE EXCAVATION AND REMOVAL OF POOR SOILS, BACKFILLING WITH 304 STONE AND COMPACTION OF SUCH ITEMS AND ITEM 301 PER THE DETAIL.

204 SUBGRADE STABILIZATION
THIS ITEM SHALL CONSIST OF OVER EXCAVATING POOR SOILS AND BACKFILLING THE AREAS WITH A COMBINATION OF STONE MATERIAL AND ASPHALT. DURING THE PROOF-ROLL TEST OF THE SUBGRADE THE ENGINEER SHALL MARK AREAS IN THE FIELD WHERE OBSERVED DEFLECTIONS EXCEED 0.5" OR CAUSE RUTTING OF THE SUBGRADE. THESE MARKINGS WILL BE FIELD MEASURED AND AGREED UPON PRIOR TO PERFORMING THE WORK. THE UNIT PRICE SHALL INCLUDE EXCAVATION AND REMOVAL OF POOR SOILS, BACKFILLING WITH 304 STONE AND COMPACTION OF SUCH ITEMS AND 8" OF ITEM 301 APPLIED IN 2 EQUAL LIFTS OF 4".

ITEM 204 SUBGRADE STABILIZATION WITH GEOGRID
THIS ITEM SHALL CONSIST OF OVER EXCAVATING POOR SOILS AND BACKFILLING THE AREAS WITH A COMBINATION OF STONE, GEOGRID MATERIAL AND ASPHALT PER THE DETAILS INDICATED IN THESE PLANS. DURING THE PROOF-ROLL TEST OF THE SUBGRADE THE ENGINEER SHALL MARK AREAS IN THE FIELD WHERE OBSERVED DEFLECTIONS EXCEED 0.5" OR CAUSE SUBSTANTIAL RUTTING OF THE SUBGRADE. THESE MARKINGS WILL BE FIELD MEASURED AND AGREED UPON PRIOR TO PERFORMING THE WORK. THE UNIT PRICE SHALL INCLUDE EXCAVATION AND REMOVAL OF POOR SOILS, BACKFILLING WITH 304 STONE AND COMPACTION OF SUCH ITEMS AND ITEM 301 PER THE DETAIL.

253 PAVEMENT REPAIR
THIS ITEM SHALL CONSIST OF PAVEMENT REMOVAL AND OVER EXCAVATION OF SUBGRADE AND BACKFILLING THE AREAS WITH A COMBINATION OF STONE AND ASPHALT MATERIAL PER THE DETAILS INDICATED IN THESE PLANS. AFTER THE PAVEMENT IS MILLED AND DURING THE PROOF-ROLL TEST OF THE PAVEMENT THE ENGINEER SHALL MARK AREAS IN THE FIELD WHERE OBSERVED DEFLECTIONS EXCEED 0.5" OR CAUSE CRACKING OR PUMPING OF THE ASPHALT. THESE MARKINGS WILL BE FIELD MEASURED AND AGREED UPON PRIOR TO PERFORMING THE WORK. THE UNIT PRICE SHALL INCLUDE EXCAVATION AND REMOVAL OF POOR SOILS, BACKFILLING AND COMPACTION OF STONE AND ITEM 301.

ITEM 451 TYPICAL DRIVE APRON
THIS ITEMS SHALL CONSIST OF INSTALLING A DRIVEWAY APRON PER THE PROVIDED DETAILS. THE CONTRACTOR SHALL EXCAVATE THE AREA TO SUBGRADE THEN POUR A CONTINUOUS CURB AND GUTTER AND HAND REMOVE THE CURB PORTION OF IT TO PROVIDE THE DEPRESSED CURB AND GUTTER TYPICAL SECTION. ONCE THE CURB AND GUTTER IS HARD ENOUGH TO CONTINUE CONSTRUCTION, CONTRACTOR SHALL HAND FORM THE TRANSITION PIECE FROM THE BACK OF CURB THROUGH THE PAVER BAND AND TRANSITION THE EXPOSED HEIGHT OF THE CURB FROM THE TYPICAL TO FLUSH HEIGHT AT THE BACK OF THE PAVERS. ONCE THE TRANSITION PIECE HAS SUFFICIENTLY HARDENED THE REMAINDER OF THE CONCRETE BETWEEN THE DRIVE ASPHALT AND THE TRANSITION PIECE SHALL BE CONSTRUCTED. WHERE INDICATED FULL DEPTH PAVEMENT SHALL BE PROVIDED BETWEEN THE DRIVEWAY AND THE CONCRETE PAVEMENT. THE UNIT SHALL INCLUDE EXCAVATION, COMPACTION, FORM WORK AND CONSTRUCTION JOINTING PER THE DETAIL.

ITEM 609 CURB TRANSITION
THIS ITEM SHALL CONSIST OF HAND FORMING AND POUR SECTION OF CURB BETWEEN DIFFERENT TYPES OF CURB AND GUTTER SECTIONS AS INDICATED ON THE PLANS. THE CONTRACTOR SHALL FORM OUT THE TRANSITION SECTIONS OF CURB FROM ONE TYPE OF CURB, THROUGH ANY RADIUS TO ANOTHER TYPE OF CURB USING A UNIFORM SLOPE BETWEEN THE TWO POINTS AS INDICATED BY THE GRADING PLAN. CONCRETE WILL THEN BE POURED INTO THE FORMWORK USING AN APPROVED CONCRETE MIX DESIGN. CONTRACTOR SHALL HAND SMOOTH AND SHAPE THE CONCRETE TO PROVIDE A UNIFORM TRANSITION BETWEEN THE TWO CURB TYPES. THE UNIT PRICE SHALL INCLUDE EXCAVATION TO ESTABLISH SUBGRADE, FORMWORK, AND CONCRETE WORK.

SIDEWALK WITH PAVER BANDS
THIS ITEM SHALL CONSIST OF CONSTRUCTING A SIDEWALK WITH PAVER BANDS ALONG THE BACK OF CURB AS INDICATED ON THE PLANS. CONTRACTOR SHALL EXCAVATE THE AREA TO SUBGRADE AND CONSTRUCT THE CURB PRIOR TO CONSTRUCTING THIS ITEM SINCE THIS ITEM WILL BE PLACED ON TOP OF THE CURB. AFTER ESTABLISHING SUBGRADE AND VERIFYING SUBGRADE COMPACTION CONTRACTOR SHALL CONSTRUCT THE CONCRETE SIDEWALK. AFTER THE CONCRETE SIDEWALK IS SOLID AND HAS CURED FOR A MINIMUM OF 3 DAYS CONTRACTOR SHALL PLACE BITUMINOUS SETTING BED, TACK COAT AND PAVERS. PAVERS SHALL BE INSTALLED PER THE PATTERNS AND COLORS INDICATED ON THE LANDSCAPING PLANS AND SPECIFICATIONS. AFTER THE PAVERS ARE SET, FILL THE GAPS WITH SAND PER THE SPECIFICATIONS. UNIT PRICE SHALL INCLUDE EXCAVATION TO ESTABLISH SUBGRADE, SUBGRADE COMPACTION, SIDEWALK, BITUMINOUS SETTING BED, TACK COAT, PAVERS, PAVER EDGING AND INFILL SAND.

ASPHALT PAVEMENT PLANNING AND OVERLAY
THIS ITEM SHALL CONSIST OF CONSTRUCTING THE TYPICAL ROADWAY SECTION AS INDICATED ON THE PLANS BY MEANS OF PLANNING THE EXISTING ASPHALT TO THE PROPOSED SUBGRADE AND PLACING ASPHALTING CONCRETE PAVEMENT ON TOP OF THE MILLED ASPHALT. UNIT PRICE FOR ASPHALT PAVEMENT PLANNING AND OVERLAY SHALL INCLUDE PAVEMENT PLANNING, NON-TRACKING TACK COAT, AND PLACING AND COMPACTING ASPHALTING CONCRETE.

FULL DEPTH PAVEMENT SECTION
THIS ITEM SHALL CONSIST OF CONSTRUCTING THE TYPICAL ROADWAY SECTION AS INDICATED ON THE PLANS. UNIT PRICE FOR THIS ITEM SHALL INCLUDE ESTABLISH SUBGRADE, SUBGRADE COMPACTION, ASPHALT BASE, INTERMEDIATE COURSE, SURFACE COURSE, NON-TRACKING TACK COAT, AND PROOF ROLLING

PAVEMENT INFILL SECTION
THIS ITEM SHALL CONSIST OF CONSTRUCTING THE TYPICAL ROADWAY SECTION AS INDICATED ON THE PLANS. UNIT PRICE FOR THIS ITEM SHALL INCLUDE ESTABLISH SUBGRADE, SUBGRADE COMPACTION, ASPHALT BASE, SURFACE COURSE, NON-TRACKING TACK COAT, AND PROOF ROLLING

ITEM 659 - SEEDING AND MULCHING, CLASS 1, AS PER PLAN
ALL UNPAVED AREAS DISTURBED BY THE CONTRACTORS ACTIVITIES HALL BE SEEDED AND MULCHED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. COMMERCIAL FERTILIZER SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 659 SEEDING AND MULCHING, CLASS 1, AS PER PLAN.

ITEM 605 SHALLOW PIPE UNDERDRAIN
THIS ITEM SHALL CONSIST OF INSTALLING A PERFORATED UNDERDRAIN PIPE WITH GRANULAR BACKFILL AND FILTER FABRIC BENEATH THE CURB LINE. THE CONTRACTOR SHALL EXCAVATE AND ESTABLISH SUBGRADE FOR BOTTOM OF THE UNDERDRAIN, PLACE A SEPARATION GEOTEXTILE PER ITEM 712.09 A ON THE BOTTOM AND SIDES OF THE EXCAVATION, BED THE PIPE WITH ITEM 703.11 TYPE 2 OR 3, PLACE THE PIPE, BACKFILL AROUND THE PIPE WITH ITEM 703.11 TYPE 2 OR 3 AND WRAP THE GEOTEXTILE OVER TOP OF THE STONE. THE PIPE ENDS WILL BE CONNECTED INTO THE SIDE OF THE CATCH BASIN WHENEVER THEY ARE ENCOUNTERED. THE UNIT PRICE SHALL INCLUDE EXCAVATION, GEOTEXTILE, PIPE, CONNECTION TO CATCH BASINS AND BACKFILL OF THE ITEM.

ITEM SPECIAL ADJUSTING VALVES, METERS, CLEANOUTS AND MANHOLES TO GRADE
THIS ITEM SHALL CONSIST OF ADJUSTING THE TOPS OF EXISTING VALVE BOXES, MANHOLES AND METER PITS TO GRADE. MULTI-PIECE GRAY IRON VALVE BOXES SHALL BE CHIPPED OUT AND ROTATED TO ADJUST THE TOP OF THE BOX TO BE WITHIN 1/4" OF FINAL GRADE. MANHOLES SHALL HAVE THEIR TOP CASTING REMOVED AND REPLACED WITH NEW CASTING. HEIGHT ADJUSTMENTS SHALL BE DONE WITH PRECAST CONCRETE GRADE RINGS TO BE WITHIN 1/4" OF FINAL GRADE. METER BOXES THAT ARE TO BE ADJUSTED TO GRADE SHALL BE EXCAVATED AROUND AND HAVE PRE-CAST CEMENT BLOCKS PLACED UNDER THE METER BOX TO ADJUST TO THE NEW GRADE. METER BOXES SHALL BE WITHIN 1/4" OF FINAL GRADE. THE UNIT PRICE SHALL INCLUDE EXCAVATION, ADJUSTMENTS, CASTINGS, GRADE RINGS OR BLOCKS AND BACKFILL OF VOID SPACES.

ITEM 725 TRENCHING
THIS ITEM SHALL CONSIST OF EXCAVATING AND BACKFILLING OF TRENCHES USED FOR UTILITY CONDUITS. CONTRACTOR SHALL EXCAVATE TO THE BOTTOM OF THE TRENCH TYPICAL SECTION TO ESTABLISH GRADE. AFTER GRADE IS ESTABLISHED AND CONDUITS ARE PLACED IN THE TRENCH, CONTRACTOR SHALL BACKFILL AROUND THE CONDUIT(S) WITH CONCRETE, SAND OR LOW STRENGTH MORTAR AS INDICATED IN THE TYPICAL SECTION. AFTER THE INITIAL BACKFILL AROUND THE CONDUITS CONTINUE TO BACKFILL THE TRENCH TO SUBGRADE WITH STRUCTURAL BACKFILL OR FLOWABLE FILL AS INDICATED BY THE TYPICAL SECTION. AFTER BACKFILL COVER THE TRENCH PER THE TYPCIAL TRENCH REPAIR DETAIL. THE UNIT PRICE SHALL INCLUDE EXCAVATION, CONCRETE, SAND, LOW STRENGTH MORTAR, SURFACE RESTORATION AND MARKING TAPE.

ITEM 725 CONDUIT GENERAL
ALL CHAIR RAILS, ELBOWS, COUPLINGS, TEES, PULL STRINGS, GLUE JOINTS, UPTURNS, INSPECTIONS, TEMPORARY CAPS AND MARKERS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CONDUIT BEING INSTALLED. THE CITY WILL BE PROVIDING 4,200 L.F. OF 10' LONG 6" SCH 40 PVC CONDUITS FOR INSTALLATION BY THE CONTRACTOR.

PAY ITEMS

Item No.	Spec. No.	Item	Estimated Quantity	Unit of Measure
6TH STREET IMPROVEMENTS BASE BID				
1	202	CURB REMOVED	520	LF
2	202	CONCRETE REMOVED	3180	SF
3	202	GRAVEL REMOVED	1450	SF
4	202	FULL DEPTH PAVEMENT REMOVAL, AS PER PLAN	500	SY
3	204	SUBGRADE STABILIZATION WITH GEOGRID (PER DETAIL)*	15	SY
4	252	SAWCUT PAVEMENT	525	LF
5	253	PAVEMENT REPAIR (PER DETAIL)	250	SY
5	448	FULL DEPTH ALLEY PAVEMENT (PER DETAIL)	540	SY
6	452	CONCRETE DRIVE PAVEMENT	70	SY
7	605	4" SHALLOW PIPE UNDERDRAIN	210	LF
8	SPL	SIDEWALK WITH PAVERBAND	1800	SF
9	609	CURB, TYPE 6	135	LF
10	609	CURB, TYPE 4 CURB AND GUTTER MODIFIED	158	LF
11	609	CURB, TYPE 4 DEPRESSED	95	LF
12	609	CURB, TYPE 4	215	LF
13	609	CURB, TYPE 4 SHORT	15	LF
14	609	CURB, TYPE 4 SHORT DEPRESSED	12	LF
15	609	CURB, TYPE 2 CURB AND GUTTER MODIFIED	25	LF
16	611	ADJUST MANHOLE TO GRADE*	12	EA
17	611	NYLOPLAST 18" DRAIN BASIN	1	EA
18	611	12" ODOT TYPE B CONDUIT	28	LF
19	614	MAINTAINING TRAFFIC	1	LS
20	623	CONSTRUCTION LAYOUT STAKES	1	LS
21	624	MOBILIZATION	1	LS
22	625	1.5" CONDUIT	250	LF
23	625	4" CONDUIT	385	LF
24	625	PULL BOX	6	EA
25	625	DECORATIVE LIGHTING FOUNDATION	4	EA
26	630	REMOVE AND SALVAGE SIGNAGE	2	EA
27	638	ADJUST METER TO GRADE*	1	EA
28	638	ADJUST VALVE TO GRADE*	11	EA
29	644	CROSSWALK LINES, WHITE	195	LF
30	644	24" STOP BAR, WHITE	44	LF
31	644	8" CHANNELIZING LINE, WHITE	215	LF
32	644	PAVEMENT MARKING (ARROW), WHITE	6	EA
33	644	DOUBLE CENTERLINE, YELLOW	362	LF
34	659	SEEDING AND MULCHING	1200	SF

NOTE: BID ITEMS WITH (*) SHALL BE A CONTINGENCY ITEMS USED AS DIRECTED BY THE CITY ENGINEER

Item No.	Spec. No.	Item	Estimated Quantity	Unit of Measure
BID ALTERNATE 1 - 6TH STREET RESURFACING				
1	202	PAVEMENT PLANING (VARIABLE DEPTH)	2025	SY
2	204	SUBGRADE STABILIZATION WITH GEOGRID (PER DETAIL)*	25	SY
3	407	ROADWAY TACK COAT	202	GAL
4	441	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 (1")	225	CY
5	441	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), PG64-22 (1-1/2")	225	CY

NOTE: BID ITEMS WITH (*) SHALL BE A CONTINGENCY ITEMS USED AS DIRECTED BY THE CITY ENGINEER

Item No.	Spec. No.	Item	Estimated Quantity	Unit of Measure
BID ALTERNATE 2 - 6TH STREET FULL DEPTH REPLACEMENT				
1	202	FULL DEPTH PAVEMENT REMOVAL	2021	SY
2	204	SUBGRADE STABILIZATION*	2021	SY
2	252	SAWCUT PAVEMENT	152	LF
3	301	8" ASPHALT BASE (2"-4" LIFTS)	445	CY
3	304	8" AGGREGATE BASE	445	CY
4	407	ROADWAY TACK COAT	202	GAL
5	441	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 (1-1/2")	100	CY
6	441	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), PG64-22 (2")	125	CY

NOTE: BID ITEMS WITH (*) SHALL BE A CONTINGENCY ITEMS USED AS DIRECTED BY THE CITY ENGINEER

SYMBOL LEGEND

EXISTING GAS LINE
EXISTING GAS SERVICE
EXISTING ELECTRIC (UNDERGROUND / OVERHEAD)
EXISTING CABLE (UNDERGROUND / OVERHEAD)
EXISTING TELEPHONE (UNDERGROUND / OVERHEAD)
EXISTING WATER MAIN
EXISTING WATER SERVICE
EXISTING STORM SEWER
EXISTING ROOF DRAIN
EXISTING SANITARY SEWER
EXISTING SANITARY FORCE MAIN
EXISTING FIBER OPTICS
EXISTING FENCE
EXISTING CONTOURS (MAJOR)
EXISTING CONTOURS (MINOR)
EXISTING RIGHT OF WAY
EXISTING PROPERTY LINE
EXISTING EASEMENT
EXISTING GUARDRAIL
EXISTING TREE LINE

PROPOSED GAS LINE
PROPOSED GAS SERVICE
EXISTING ELECTRIC (UNDERGROUND / OVERHEAD)
PROPOSED CABLE (UNDERGROUND / OVERHEAD)
PROPOSED TELEPHONE (UNDERGROUND / OVERHEAD)
PROPOSED WATER MAIN
PROPOSED WATER SERVICE
PROPOSED STORM SEWER
PROPOSED UNDERDRAIN
PROPOSED UNDERDRAIN / DOWNSPOUT COLLECTOR COMBO
PROPOSED SANITARY SEWER
PROPOSED SANITARY FORCE MAIN
PROPOSED FIBER OPTICS
PROPOSED FENCE
PROPOSED CONTOURS (MAJOR)
PROPOSED CONTOURS (MINOR)
PROPOSED RIGHT OF WAY
PROPOSED PROPERTY LINE
PROPOSED EASEMENT
PROPOSED GUARDRAIL
PROPOSED TREE LINE / CLEARING LIMITS
PROPOSED DISTURBED LIMITS

EXISTING FLAGPOLE
EXISTING MAILBOX
EXISTING SIGN
EXISTING CABLE PEDESTAL
EXISTING ELECTRIC PEDESTAL
EXISTING PULL BOX
EXISTING GROUND LIGHT
EXISTING LIGHT POLE
EXISTING ELECTRIC METER
EXISTING ELECTRIC MANHOLE
EXISTING GAS METER
EXISTING GAS VALVE
EXISTING GAS BOX
EXISTING UTILITY POLE
EXISTING GUY WIRE / ANCHOR
EXISTING SANITARY MANHOLE
EXISTING SANITARY CLEANOUT
EXISTING STORM MANHOLE
EXISTING SINGLE / DOUBLE CURB INLET
EXISTING CATCH BASIN
EXISTING STORM CLEANOUT
EXISTING TELEPHONE MANHOLE
EXISTING TELEPHONE PEDESTAL
EXISTING FIRE HYDRANT
EXISTING WATER METER
EXISTING WATER MANHOLE
EXISTING WATER VALVE
EXISTING BUSHES / TREES
EXISTING SURVEY BENCHMARK
TEST BORING LOCATION

PROPOSED FLAGPOLE
PROPOSED MAILBOX
PROPOSED SIGN
PROPOSED CABLE PEDESTAL
PROPOSED ELECTRIC PEDESTAL
PROPOSED PULL BOX
PROPOSED GROUND LIGHT
PROPOSED LIGHT POLE
PROPOSED ELECTRIC METER
PRPOSED ELECTRIC MANHOLE
PROPOSED GAS METER
PROPOSED GAS VALVE
PROPOSED GAS BOX
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PROPOSED SINGLE / DOUBLE CURB INLET
PROPOSED CATCH BASIN
PROPOSED STORM CLEANOUT
PROPOSED TELEPHONE MANHOLE
PROPOSED TELEPHONE PEDESTAL
PROPOSED FIRE HYDRANT
PROPOSED WATER METER
PROPOSED WATER VALVE
REMOVE EXISTING BUSH / TREE
PROPOSED SLOPE DIRECTION

verdantas

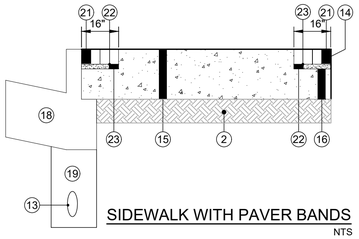
NO	REVISION	DATE

ISSUE DATE: 05/29/2026
SCALE: AS SHOWN
DESIGNED BY: JHOO
DRAWN BY: AJAC
CHECKED BY: MLAC

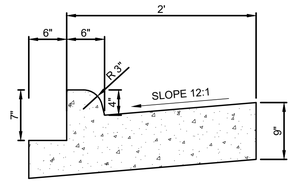
FRANKLIN 6TH STREET IMPROVEMENTS
CITY OF FRANKLIN
WARREN COUNTY, OHIO

GENERAL NOTES CONT.

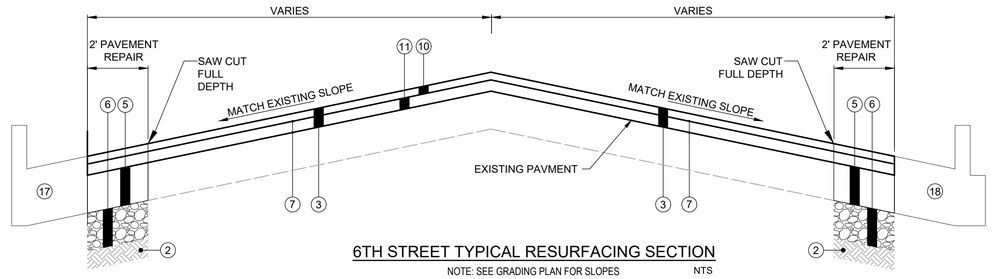
PROJECT NO. 43188
DISCIPLINE: CIVIL
SHEET NAME: GEN2
SHEET 3 OF 9



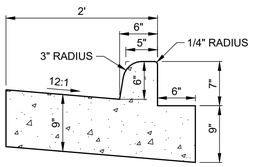
SIDEWALK WITH PAVER BANDS
NTS



ODOT TYPE 4 CURB AND GUTTER MODIFIED
NTS



6TH STREET TYPICAL RESURFACING SECTION
NOTE: SEE GRADING PLAN FOR SLOPES
NTS



ODOT TYPE 2 CURB AND GUTTER - MODIFIED
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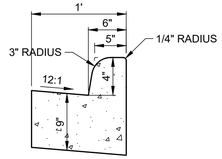

TYPE 4 CURB SHORT
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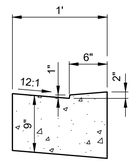

TYPE 4 CURB DEPRESSED SHORT
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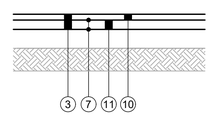

PAVEMENT RESURFACING
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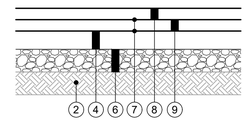
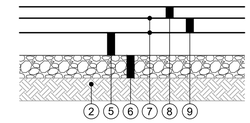
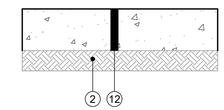


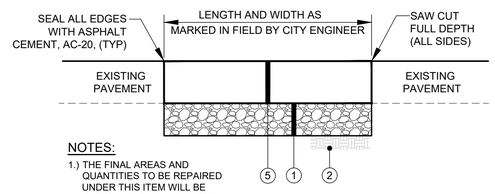
FULL DEPTH ALLEY PAVEMENT
NTS



BID ALT 2
FULL DEPTH PAVEMENT SECTION
NTS

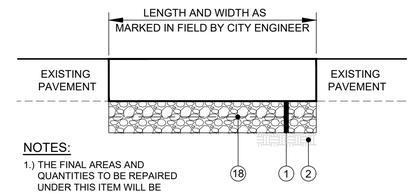


CONRETE DRIVE PAVEMENT
NTS



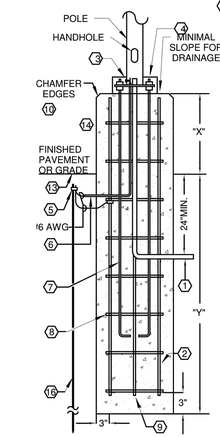
NOTES:
1.) THE FINAL AREAS AND QUANTITIES TO BE REPAIRED UNDER THIS ITEM WILL BE DESIGNATED IN THE FIELD BY THE CITY ENGINEER.

ITEM 253 - PAVEMENT REPAIR
NTS

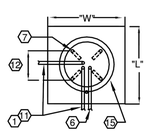


NOTES:
1.) THE FINAL AREAS AND QUANTITIES TO BE REPAIRED UNDER THIS ITEM WILL BE DESIGNATED IN THE FIELD BY THE CITY ENGINEER.

ITEM 204 - SUBGRADE STABILIZATION WITH GEOGRID
NTS



SECTION VIEW



PLAN VIEW

KEYED NOTES:

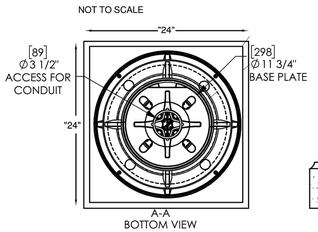
1. PROVIDE 1" MINIMUM SCHEDULE 40 ELECTRICAL PVC CONDUIT. BACKFILL WITH EXCAVATED OR BORROWED MATERIAL. MATERIAL SHALL BE FREE OF ROCKS 1" DIAMETER AND LARGER. COMPACT TO 90% IN MAX 8" LIFTS OF LOOSE SOIL.
2. PROVIDE 3000# CONCRETE BASE (CLASS A FORMED SURFACE WHERE EXPOSED).
3. GROUND LUG IN BASE BOLTED TO BASE PLATE WITH MIN. #6 AWG SOLID COPPER CONDUCTOR.
4. BASE COVER OVER GALVANIZED STEEL WASHERS, NUTS & LOCKNUTS.
5. GROUND CLAMP. IRREVERSIBLE SPLICE.
6. 1/2" SCHEDULE 40 ELECTRICAL PVC FOR GROUND WIRE.
7. PROVIDE MINIMUM OF FOUR ANCHOR BOLTS, GALVANIZED STEEL.
8. PROVIDE #4 TIE LOOPS AT 3" FROM TOP AND BOTTOM AND +/- 12" C/C BETWEEN LOOPS.
9. (6) #6 VERTICAL REBARS - TIE VERTICAL BARS TO TIE LOOPS.
10. FOR BASES FLUSH WITH PAVEMENT, DO NOT PROVIDE CHAMFER. SEAL THE PERIMETER OF THE BASE TOP INSTEAD.
11. PROVIDE 18" SQUARE; EXTEND 3/4" MAXIMUM ABOVE FOUNDATION WITH NUMBER OF CONDUITS AS NEEDED, 1" MIN.
12. PROVIDE DIAMETER BOLT CIRCLE PER LUMINAIRE MANUFACTURER.
13. "X" AND "Y" DIMENSIONS ARE MINIMUM LENGTHS FROM THIS LINE. WHERE GRADE OR PAVEMENT IS SLOPED, "Y" IS FROM THE LOW SIDE OF THE SLOPE AND "X" IS FROM THE HIGH SIDE OF THE SLOPE.
14. PROVIDE SQUARE CONCRETE BASE.
15. PROVIDE REBAR CAGE.
16. PROVIDE 5/8" X 10' GROUND ROD.

POLE BASE DIMENSIONS			
POLE TYPE	"X"	"Y"	"L&W"
P1	0.0"	6'-0"	24" x 24

POLE HEIGHT	"Y" VALUE
< 13'-0"	4'-0"
13'-0" - 20'-0"	5'-0"
21'-0" - 30'-0	6'-0"
31'-0" - 40'-0"	8'-0"

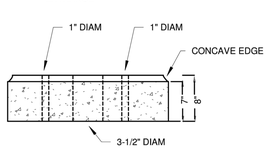
PLINTH DETAILS:

NOT TO SCALE

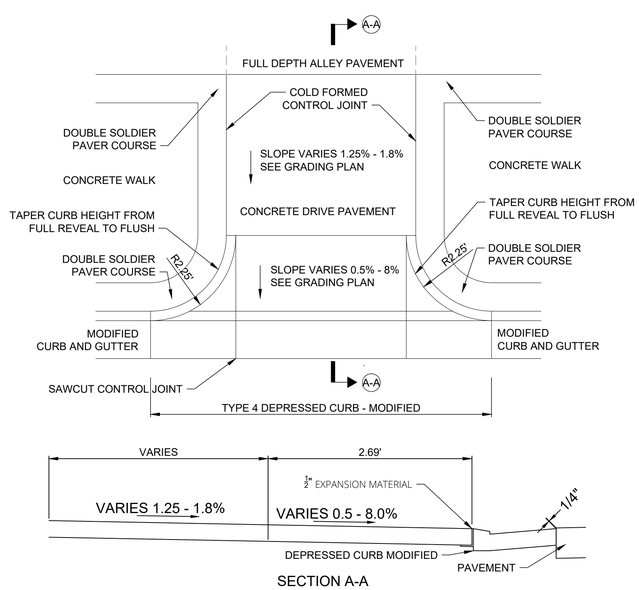


PRE DRILLED ANCHOR BOLT PATTERN BASED ON MFG. BASE PLATE DIMENSIONS

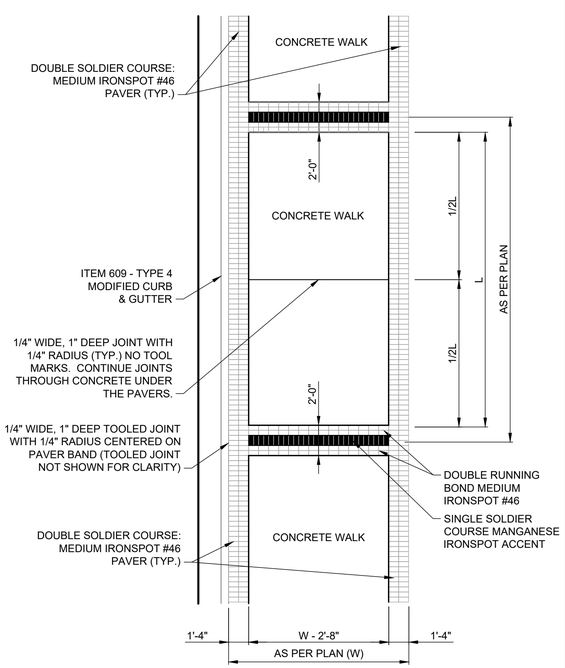
3-1/2" PRE CAST HOLE FOR CONDUIT ENTRANCE



DECORATIVE LIGHTING FOUNDATION
NTS



TYPICAL DRIVE WAY APRON WITH PAVERS
NTS



SIDEWALK WITH PAVER BANDS
NTS

LEGEND

1. ITEM 203 - 12" GRANULATED EMBANKMENT TYPE B (2" - 6" LIFTS)
2. ITEM 204 - COMPACTED SUBGRADE
3. ITEM 254 - 2.5" PAVEMENT MILLING
4. ITEM 301 - 6" ASPHALT BASE (3" LIFTS)
5. ITEM 301 - 8" ASPHALT BASE (2"-4" LIFTS)
6. ITEM 304 - 8" AGGREGATE BASE
7. ITEM 407 - TACK COAT @ 0.05 GAL/SY (0.1 GAL/SY FOR MILLED SURFACES)
8. ITEM 441 - 1-1/2" ASPHALT CONCRETE SURFACE COURSE,TYPE(448) 1 PG 64-22
9. ITEM 441 - 2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 PG 64-22
10. ITEM 441 - 1" ASPHALT CONCRETE SURFACE COURSE, TYPE(448) 1 PG 64-22
11. ITEM 441 - 1-1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 PG 64-22
12. ITEM 452 - 9" NON-REINFORCED CONCRETE PAVEMENT
13. ITEM 605 - 4" UNDERDRAIN
14. ITEM 608 - 1/2" PRE FORMED EXPANSION JOINT ADJACENT TO BUILDINGS
15. ITEM 608 - 7" CONCRETE SIDEWALK
16. ITEM 608 - 4" CONCRETE SIDEWALK
17. ITEM 609 - TYPE 4 CURB
18. ITEM 609 - TYPE 2 & 4 MODIFIED CURB AND GUTTER
19. ITEM 703.11 - STRUCTURAL BACKFILL TYPE 2 OR 3 INCIDENTAL UNDER DRAIN
20. ITEM 712.15 - BIAXIAL GEOGRID
21. ITEM SPL. - CLAY PAVER - SEE PAVER SPECIFICATION
22. ITEM SPL. - 3/4" ROLLED BITUMINOUS SETTING BED
23. ITEM SPL. - TACK COAT @ 0.1 GAL/SY

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NO	REVISION	DATE

ISSUE DATE:	05/29/2026
SCALE:	AS SHOWN
DESIGNED BY:	JHOO
DRAWN BY:	AJAC
CHECKED BY:	MLAC

FRANKLIN 6TH STREET IMPROVEMENTS
CITY OF FRANKLIN
WARREN COUNTY, OHIO

DETAILS

PROJECT NO.	
43188	
DISCIPLINE	
CIVIL	
SHEET NAME	
DET	
SHEET	OF
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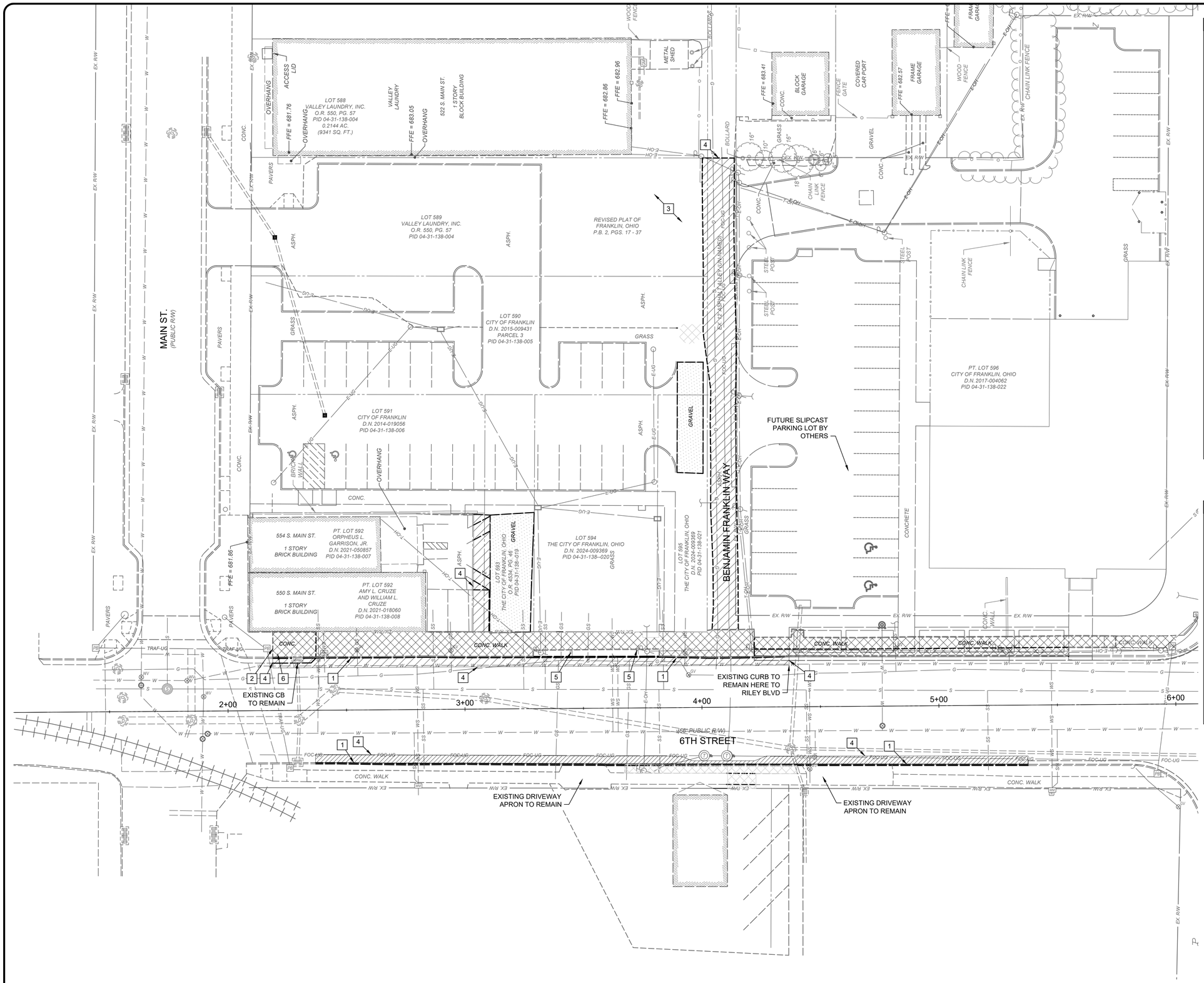

CONSTRUCTION NOTES

1. ITEM 202 - REMOVE EXISTING CURB
2. EXISTING PAVERS TO REMAIN
3. REMOVAL OF FENCE AND STORAGE SHED BY OTHERS
4. ITEM 202 - SAWCUT PAVEMENT
5. ITEM 202 - REMOVE AND SALVAGE SIGNS
6. EXISTING STOP SIGN REMOVED BY OTHERS

NOTE: 10" WATERMAIN IS BASED ON CONSTRUCTION DOCUMENTS DATED: 3/18/2026

NOTE: SLIPCAST BREWING SITE PLAN IS BASED ON CONSTRUCTION DOCUMENTS DATED: 03/19/2026

HATCH LEGEND

- ITEM 202 - REMOVE EXISTING CONCRETE
- ITEM 202 - FULL DEPTH PAVEMENT REMOVAL
- ITEM 202 - REMOVE EXISTING GRAVEL

20 ' 0 ' 20 '

SCALE: 1" = 20 '

NORTH AND BEARING SYSTEM BASED ON NAD83 (2011) OHIO STATE PLANE, SOUTH ZONE, US FOOT

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NO	REVISION	DATE

ISSUE DATE:	09/29/2026
SCALE:	AS SHOWN
DESIGNED BY:	JHOO
DRAWN BY:	AJAC
CHECKED BY:	MLAC

FRANKLIN 6TH STREET IMPROVEMENTS

CITY OF FRANKLIN
WARREN COUNTY, OHIO

EXISTING CONDITIONS AND DEMO PLAN - OVERALL

PROJECT NO.	
43188	
DISCIPLINE	
CIVIL	
SHEET NAME	
DEMO1	
SHEET	OF
5	9

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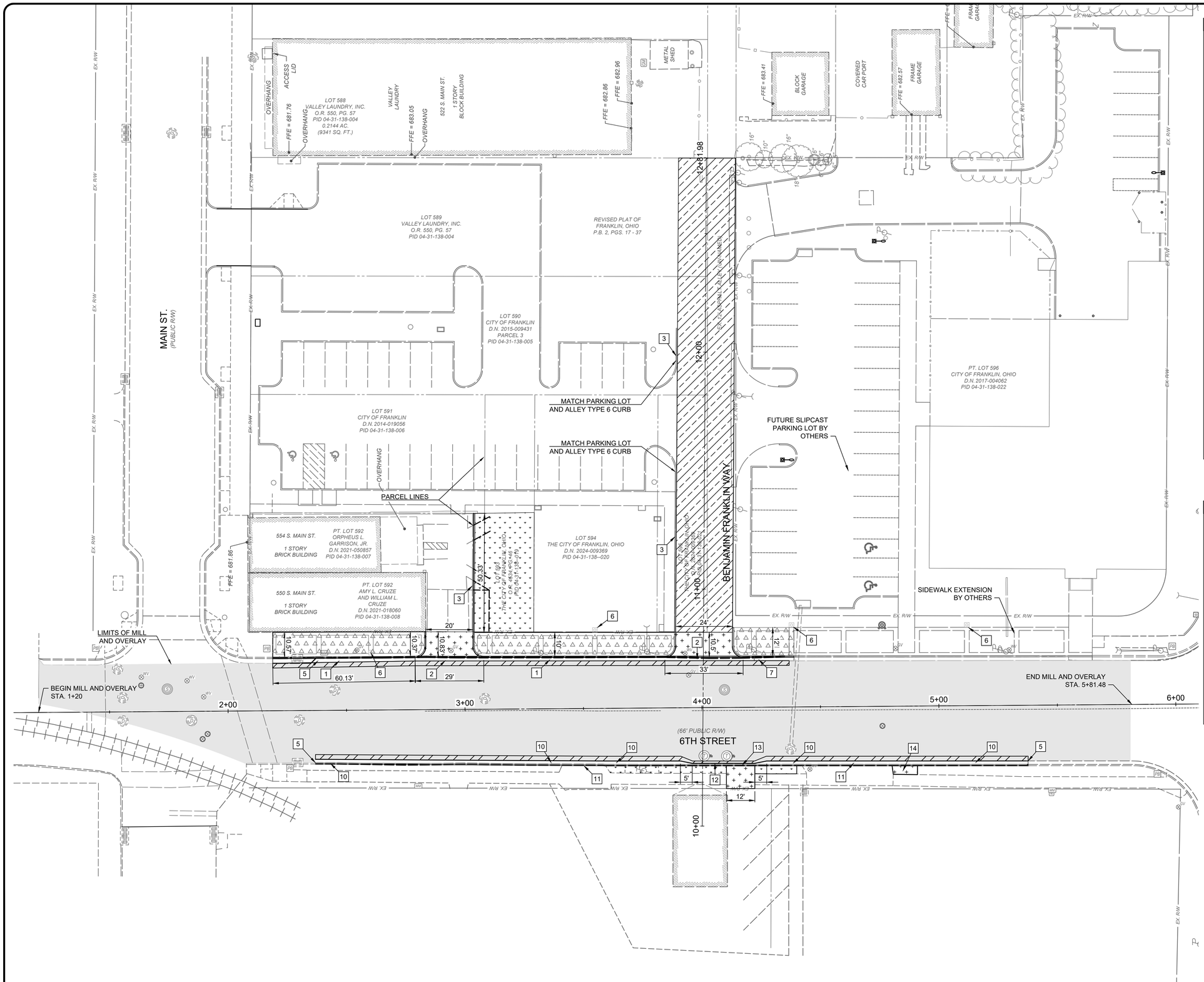

CONSTRUCTION NOTES

1. ITEM 609 - TYPE 4 CURB - MODIFIED
2. ITEM 609 - TYPE 4 DEPRESSED CURB - MODIFIED
3. ITEM 609 - TYPE 6 CURB
4. ITEM 609 - TYPE 6 DEPRESSED CURB
5. ITEM 609 - TAPER CURB AND GUTTER TO MATCH EXISTING
6. ITEM 623 - DECORATIVE LIGHTING
7. ITEM 609 - TYPE 2 CURB AND GUTTER - MODIFIED
8. ITEM 609 - TYPE 6 CURB - MODIFIED
9. ITEM 609 - TYPE 6 DEPRESSED CURB - MODIFIED
10. ITEM 609 - TYPE 4 CURB
11. ITEM 609 - TYPE 4 DEPRESSED CURB
12. ITEM 609 - TYPE 4 CURB SHORT
13. ITEM 609 - TYPE 4 DEPRESSED CURB SHORT
14. ITEM 608 - EXTEND CONCRETE SIDEWALK TO BACK OF CURB

HATCH LEGEND

- ITEM 451 - MILL AND OVERLAY (SEE SHEET 3 FOR NOTES AND SHEET 4 FOR DETAILS)
- ITEM 451 - FULL DEPTH PAVEMENT (SEE SHEET 3 FOR NOTES AND SHEET 4 FOR DETAILS)
- ITEM 609 - SIDEWALK WITH PAVER BAND (SEE SHEET 3 FOR NOTES AND SHEET 4 FOR DETAILS)
- ITEM 253 - PAVEMENT REPAIR SECTION (SEE SHEET 3 FOR NOTES AND SHEET 4 FOR DETAILS)
- ITEM 659 - TOPSOIL SEED AND MULCH (SEE SHEET 3 FOR NOTES)
- ITEM 452 - CONCRETE DRIVE PAVEMENT (SEE SHEET 3 FOR NOTES AND SHEET 4 FOR DETAILS)

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

NORTH AND BEARING SYSTEM BASED ON NAD83 (2011) OHIO STATE PLANE, SOUTH ZONE, US FOOT

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NO	REVISION	DATE
1	-	X/XX/18

ISSUE DATE:	05/29/2026
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DRAWN BY:	AJAC
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FRANKLIN 6TH STREET IMPROVEMENTS
CITY OF FRANKLIN
WARREN COUNTY, OHIO

LAYOUT PLAN - OVERALL

PROJECT NO.	
43188	
DISCIPLINE	
CIVIL	
SHEET NAME	
LAY1	
SHEET	OF
6	9

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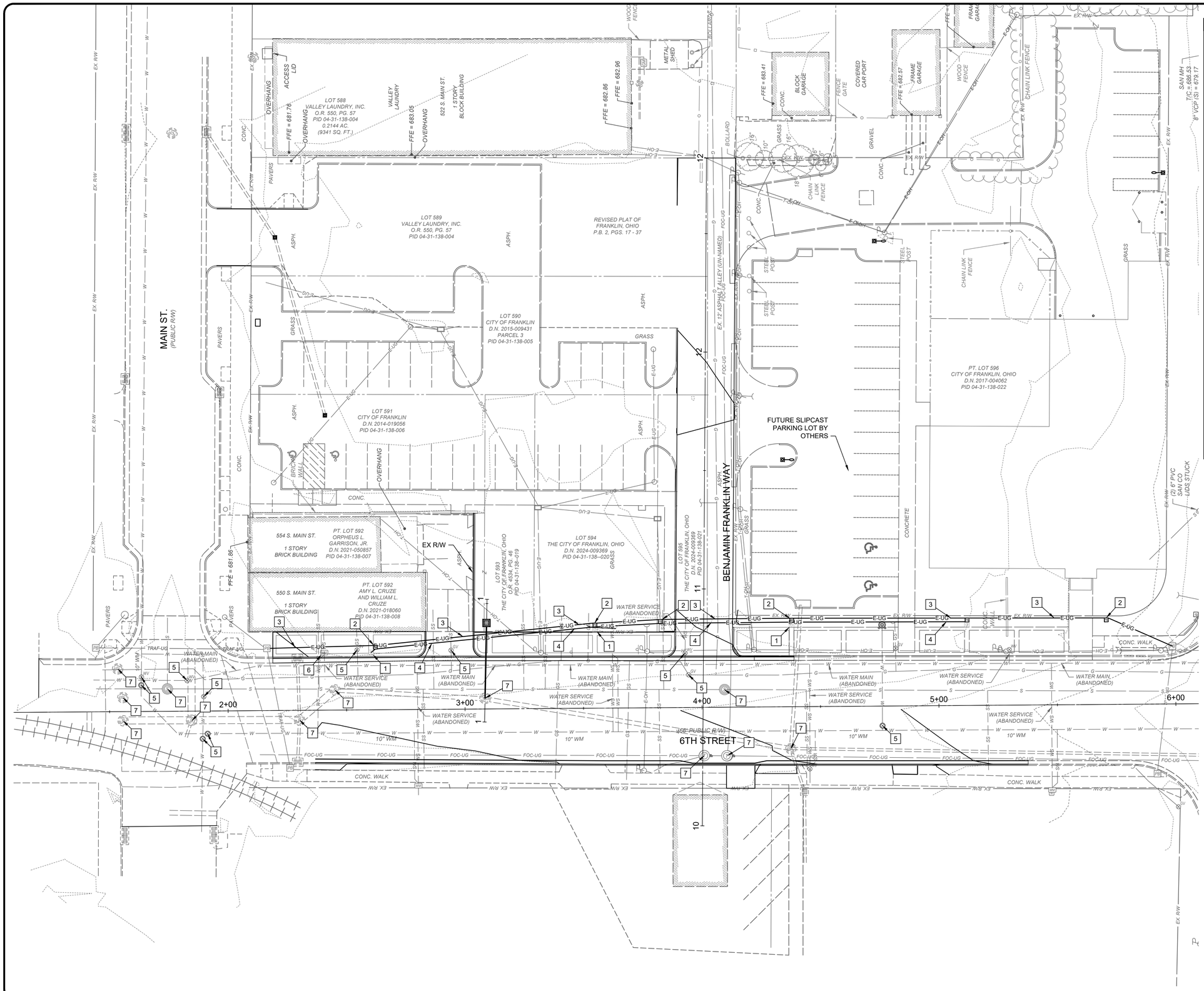

CONSTRUCTION NOTES

1. ITEM 623 - DECORATIVE LIGHTING FOUNDATION
2. ITEM 625 - PULL BOX
3. ITEM 625 - 4" ELECTRIC CONDUIT
4. ITEM 625 - 1.5" ELECTRIC CONDUIT
5. ITEM 638 - ADJUST VALVE TO GRADE
6. ITEM 638 - ADJUST METER TO GRADE
7. ITEM 611 - ADJUST MANHOLE TO GRADE

STORM CONNECTION

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NO	REVISION	DATE

ISSUE DATE:	09/29/2026
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DRAWN BY:	AJAC
CHECKED BY:	MLAC

FRANKLIN 6TH STREET IMPROVEMENTS
CITY OF FRANKLIN
WARREN COUNTY, OHIO

UTILITY PLAN - OVERALL

PROJECT NO.	
43188	
DISCIPLINE	
CIVIL	
SHEET NAME	
UTIL1	
SHEET	OF
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MAIN ST.
(PUBLIC R/W)

554 S. MAIN ST.
1 STORY
BRICK BUILDING

550 S. MAIN ST.
1 STORY
BRICK BUILDING

522 S. MAIN ST.
1 STORY
BLOCK BUILDING

VALLEY LAUNDRY

METAL SHED

BLOCK GARAGE

COVERED CAR PORT

FRAME GARAGE

BENJAMIN FRANKLIN WAY

FUTURE SLIPCAST
PARKING LOT BY
OTHERS

6TH STREET
(66' PUBLIC R/W)

2+00 3+00 4+00 5+00 6+00

SCALE: 1" = 20 '

NORTH AND BEARING SYSTEM BASED
ON NAD83 (2011) OHIO STATE PLANE,
SOUTH ZONE, US FOOT

verdantas

NO	REVISION	DATE

ISSUE DATE: 05/29/2026
SCALE: AS SHOWN
DESIGNED BY: JHOO
DRAWN BY: AJAC
CHECKED BY: MLAC

FRANKLIN 6TH STREET IMPROVEMENTS
CITY OF FRANKLIN
WARREN COUNTY, OHIO

GRADING PLAN - OVERALL

PROJECT NO. 43188
DISCIPLINE CIVIL
SHEET NAME GRAD1
SHEET 8 OF 9

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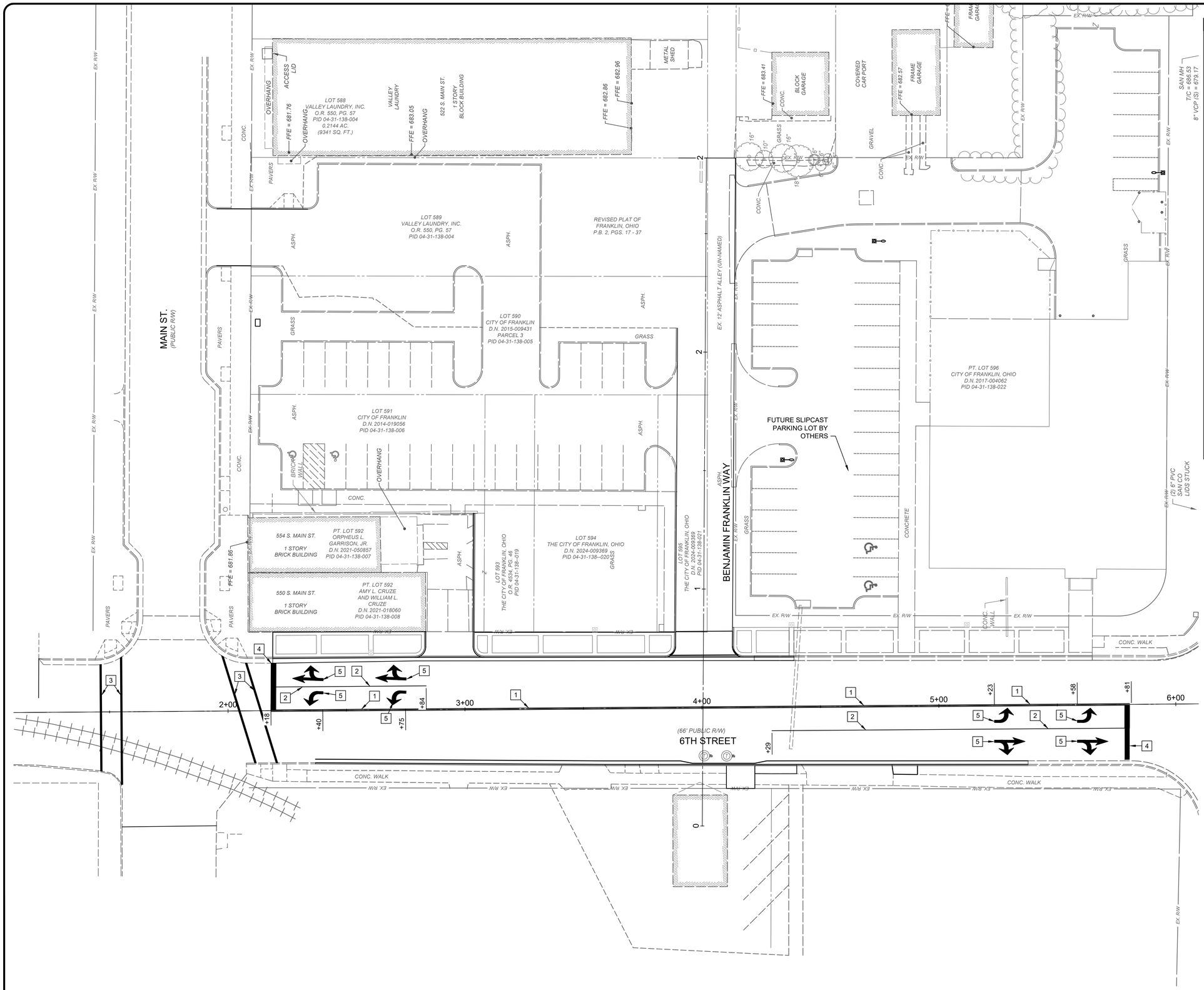

CONSTRUCTION NOTES

1. ITEM 644 - DOUBLE YELLOW CENTERLINE
2. ITEM 644 - 8" CHANNELIZING LINE, WHITE
3. ITEM 644 - 12" CROSSWALK LINE, WHITE
4. ITEM 644 - 24" STOP BAR, WHITE
5. ITEM 644 - LANE ARROW, WHITE

20 ' 0 ' 20 '

SCALE: 1" = 20 '

NORTH AND BEARING SYSTEM BASED ON NAD83 (2011) OHIO STATE PLANE, SOUTH ZONE, US FOOT

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NO	REVISION	DATE

ISSUE DATE: 05/29/2026
SCALE: AS SHOWN
DESIGNED BY: JHOO
DRAWN BY: AJAC
CHECKED BY: MLAC

FRANKLIN 6TH STREET IMPROVEMENT
CITY OF FRANKLIN
WARREN COUNTY, OHIO

STRIPING PLAN OVERALL

PROJECT NO. 43188
DISCIPLINE CIVIL
SHEET NAME PM1
SHEET 9 OF 9

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