

CITY OF MASSILLON
CITY ENGINEERING DEPARTMENT
STARK COUNTY, OHIO
Charles Ave SE Improvement

PROJECT DESCRIPTION

Work shall include pavement planing, placement of a new surface course, curb, drive apron reconstruction, lighting, concrete walks, driveway, basement and wall, signing, pavement markings, and minor drainage improvement and catch basin replacement.

CONVENTIONAL SIGNS

RIGHT OF WAY	EXISTING: — Ex R/W —	PROPOSED: — PE-R/W —
COUNTY LINE	---	---
TOWNSHIP LINE	---	---
CORPORATION LINE	---	---
FENCE LINE	EXISTING: — x —	PROPOSED: — x —
GUARDRAIL	EXISTING: — o —	PROPOSED: — o —
MANHOLES	EXISTING: (S)	PROPOSED: (S), REHABILITATED: (S)
CATCH BASINS	EXISTING: []	PROPOSED: [] , REHABILITATED: []
SIGNS	1-POST: [] , 2-POST: [] , 3-POST: [] , STREET: #	
EXISTING POLES	POWER: [] , TELEPHONE [] , LIGHT [] , SPAN []	
PROPOSED POLES	POWER: [] , TELEPHONE [] , LIGHT [] , SPAN []	
EXIST. UTILITIES	VALVE: [] , HYDRANT: [] , METERS: [] , GUY: C	

UNDERGROUND UTILITIES

CONTACT BOTH SERVICES TWO WORKING DAYS BEFORE YOU DIG



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

OHIO OIL & GAS ASSOCIATION
1-614-824-3901

OUPS REFERENCE:

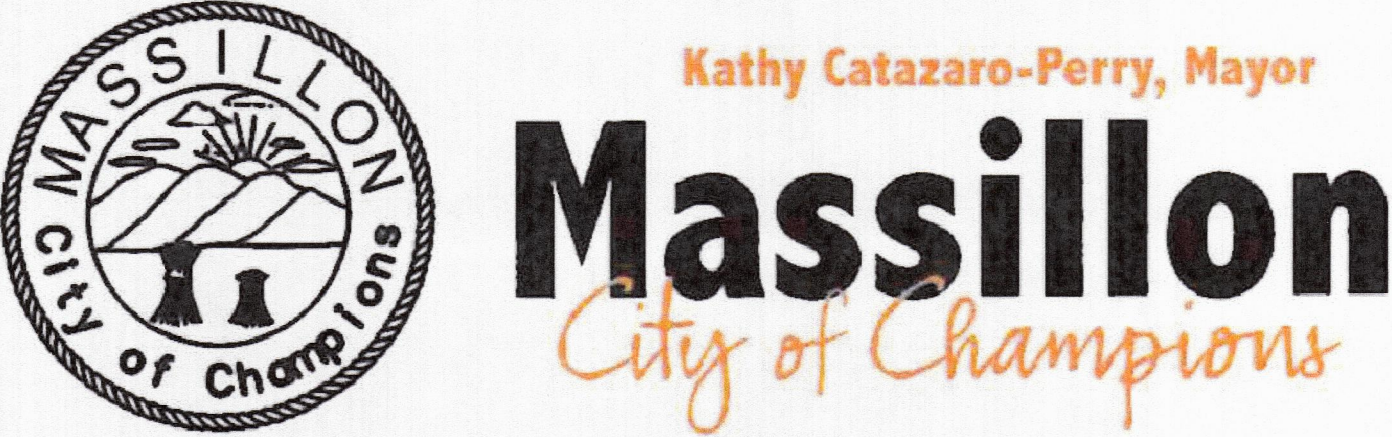
EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	0.346 AC.
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.000 AC.
NOTICE OF INTENT EARTH DISTURBED AREA:	0.346 AC.



LOCATION MAP

PORTION TO BE IMPROVED
STREETS



INDEX OF SHEETS:

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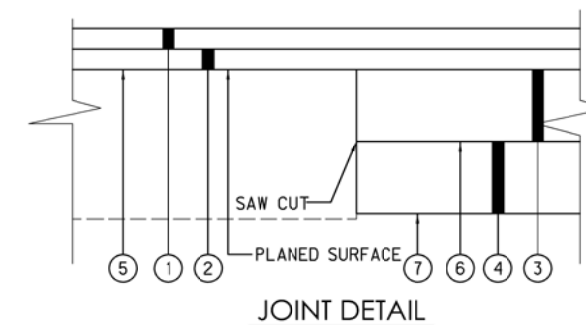
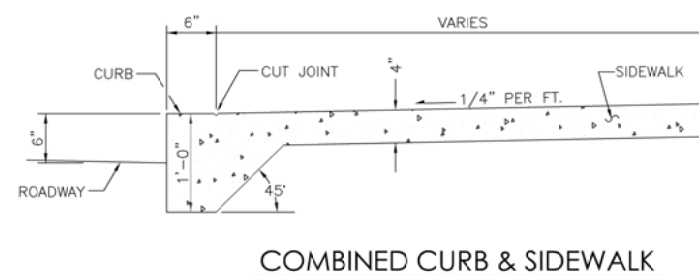
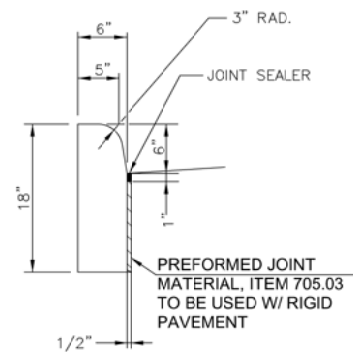
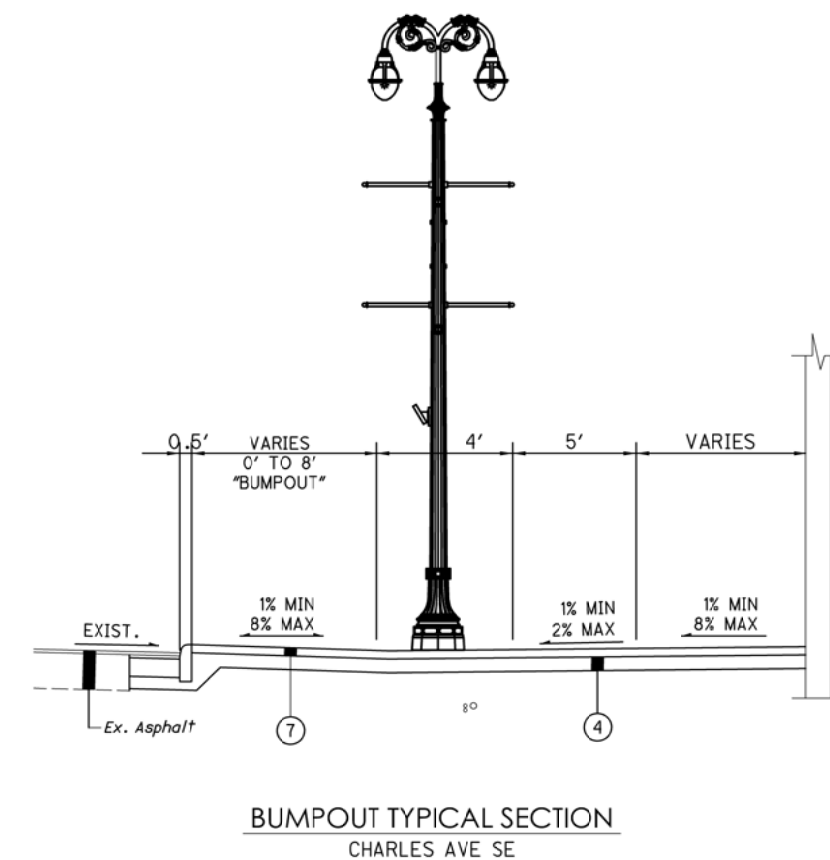
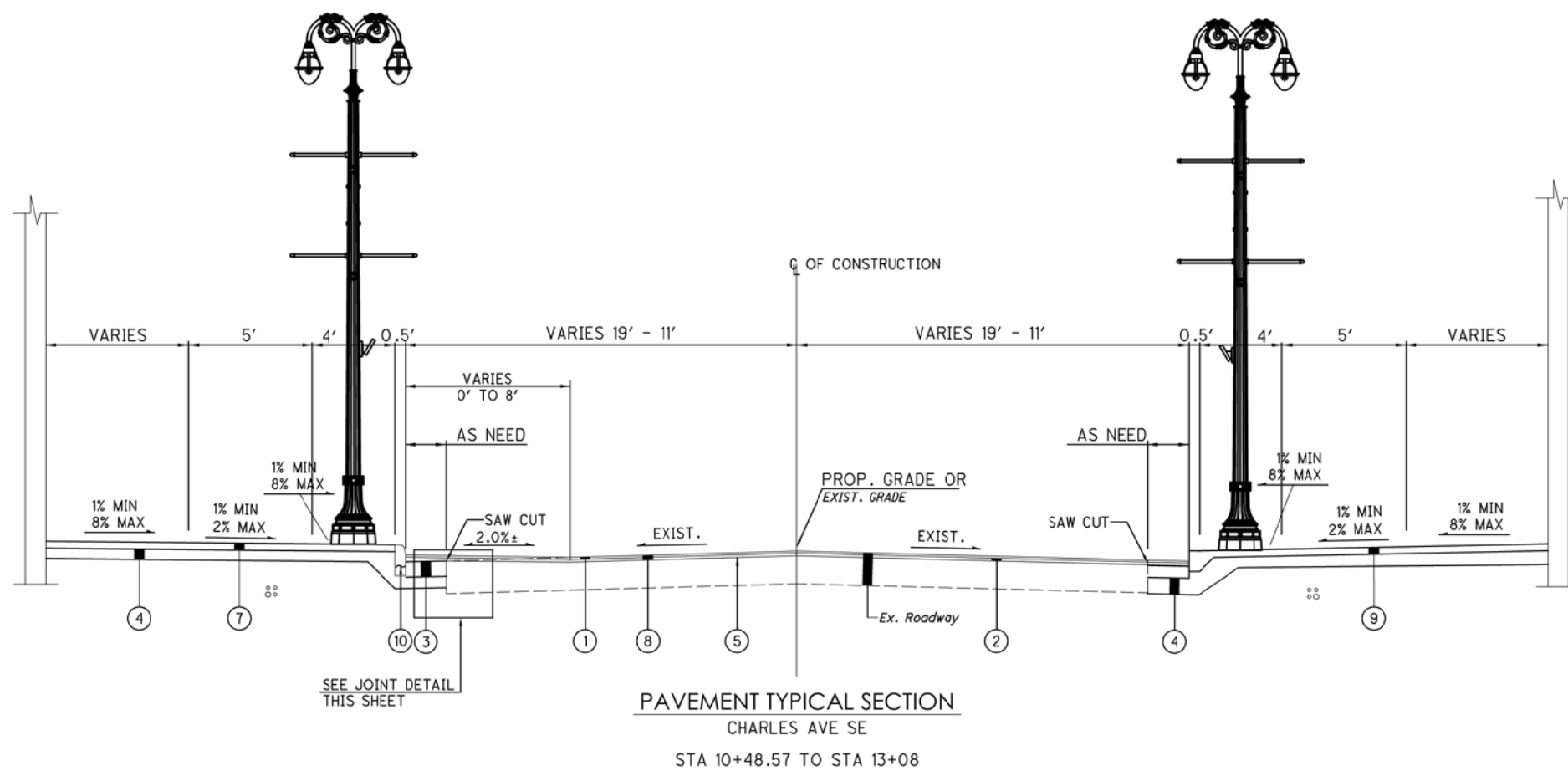
APPROVALS

APPROVED BY THE CITY OF MASSILLON THIS DAY OF , 2022

CITY OF MASSILLON
ENGINEER
DATE
JASON M. POPIEL
E-67555
JASON POPIEL, P.E., CPESC
DATE 6.28.2022

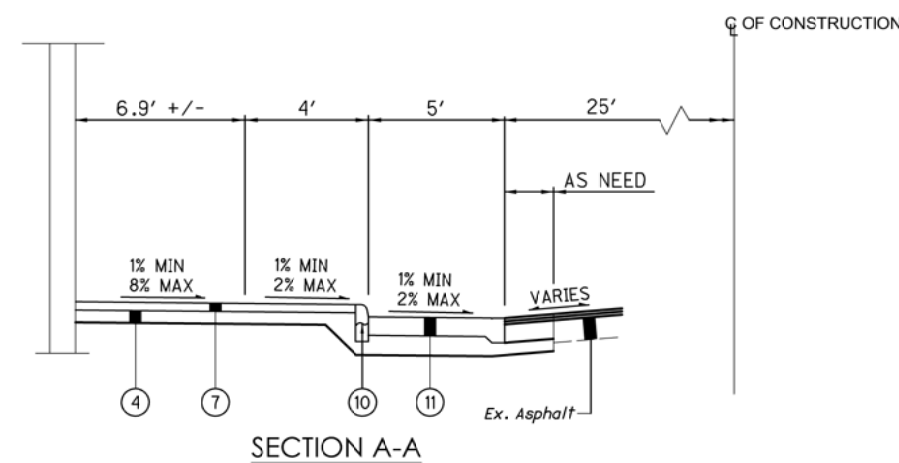
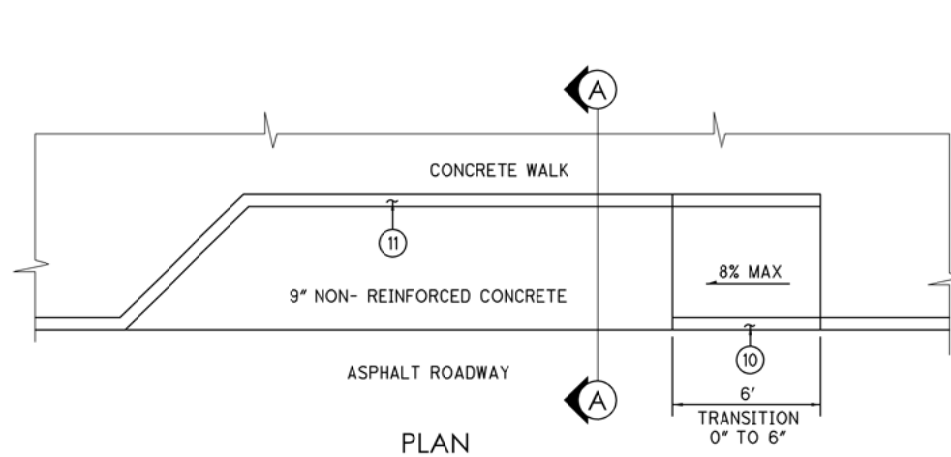
CITY OF MASSILLON ELECTED OFFICIALS

KATHY CATAZARO-PERRY	MAYOR
JUSTIN RICHARD	DIRECTOR OF LAW
JAYNE FERRERO	AUDITOR
LINDA LITMAN	TREASURER
COUNCIL	
CLAUDETTE O. ISTNICK	PRESIDENT
MARK LOMBARDI	1st WARD
JIM THIERET	2nd WARD
MICHAEL GREGG	3rd WARD
JILL CREAMER	4th WARD
JULIE HARWIG SMITH	5th WARD
MICHAEL SNEE	6th WARD
ED LEWIS IV	AT LARGE
TED HURNCANE	AT LARGE
JAMIE SLUTZ	AT LARGE



NOTE:

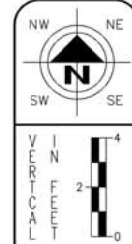
ALL JOINTS WITH EXISTING PAVEMENT SHALL RECEIVE ITEM 705.04 JOINT SEALER WORK AND MATERIAL SHALL BE INCLUDED IN COST OF ITEM 441 ASPHALT CONCRETE SURFACE COURSE TYPE 1 (448), PG 64-22, AS PER PLAN.



PROPOSED LEGEND

- ① - ITEM 441-1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG 64-22, AS PER PLAN
- ② - ITEM 441-VARIOUS DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (448), PG 64-22, (2" MAX. TO 0" MIN.), AS PER PLAN
- ③ - ITEM 301-9" ASPHALT CONCRETE BASE
- ④ - ITEM 304-5" AGGREGATE BASE, AS PER PLAN
- ⑤ - ITEM 407-TACK COAT
- ⑥ - ITEM 204 - SUBGRADE COMPACTION
- ⑦ - ITEM 608 - 4" CONCRETE WALK, AS PER PLAN
- ⑧ - ITEM 254-VARIES PAVEMENT PLANING (3" MAX. TO 0" MIN.), AS PER PLAN
- ⑨ - ITEM 609-COMBINED CURB AND SIDEWALK, AS PER PLAN
- ⑩ - ITEM 609-CURB, TYPE 6
- ⑪ - ITEM 452 - 9" NON-REINFORCED CONCRETE, CLASS OCMS, AS PER PLAN

HANDICAP ACCESS 1st ST SE



HORIZONTAL
SCALE IN FEET

CHECKED BY:

DATE: Nov., 2021

DRAWN BY: FPW

DATE: Nov., 2021

REVISIONS:	DESCRIPTION
DATE	

Charles Ave SE Improvement
Typical Section
City of Massillon
Stark County, Ohio

Kathy Calzavara-Perry, Mayor
Massillon
City of Champions

DRAWING NAME:
X

CITY NUMBER:
X

2 / 15

* THE FOLLOWING NOTES ARE CITY OF MASSILLON STANDARD NOTES AND MAY NOT BE APPLICABLE TO ALL PROJECTS.

UTILITIES

THE CONTRACTOR SHALL USE THE FOLLOWING PROCEDURE AT EACH LOCATION WHERE WORK IS PERFORMED, IN ACCORDANCE WITH SECTIONS 105.07 AND 107.16 IN THE CONSTRUCTION AND MATERIALS SPECIFICATIONS:

THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE OHIO UTILITIES PROTECTION SERVICE (OUPS), THE OHIO & GAS PROCEDURES UNDERGROUND PROTECTION SERVICE (OGPUPS), THE OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 4 HEADQUARTERS AND ALL NON REGISTERED UTILITY OWNERS AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN ALL AREAS.

OUPS 1-800-362-2764 (CONTACT LIMITED BASIS PARTICIPANTS DIRECTLY)
OGPUPS 1-800-925-0988

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

LISTED BELOW ARE ALL KNOWN UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

AT&T 50 W. BOWERY, 6TH FLOOR AKRON, OH. 44308 800-364-3561	AQUA WATER 870 3RD ST NW MASSILLON, OH. 44647 (330) 832-5764	OHIO EDISON 2600 S ERIE ST MASSILLON, OH 44646 (330) 830-7083	MASSILLON CABLE 814 CABLE COURT NW MASSILLON, OH. 44646 (330) 833-4134 X116	GREAT LAKES 104 6TH ST SW CANTON, OH. 44702 (330) 455-2454
CITY OF MASSILLON SIGNAL/ LIGHTING 401 WALNUT RD SE MASSILLON, OH 44646 (330) 833-5746	CITY OF MASSILLON SANITARY SEWER 151 LINCOLN WAY E (330) 830-1922	DOMINION EAST OHIO GAS COMPANY 4725 SOUTHWAY ST SW CANTON, OH 44706 (330) 478-3142	NORTHEAST OHIO NATURAL GAS CORP. 9081 S.R. 250 STRASBURG, OH. 44680-9766 (330) 878-5589	

THE UNDERGROUND UTILITIES ON THIS PLAN HAVE BEEN LOCATED BY USING A SUBSURFACE UTILITY ENGINEERING COMPANY [SUE]. IF THERE ARE ANY DISCREPANCIES BETWEEN FIELD MARKINGS AND WHAT THE PLAN INDICATES, PLEASE CONTACT STEVEN SASALA, DISTRICT UTILITY COORDINATOR 330-786-3176, PRIOR TO ANY SUBSURFACE WORK BEING INITIATED.

DATUM ELEVATION

ALL BENCHMARKS ARE BASED ON REFERENCE BENCHMARKS PROVIDED BY THE CITY OF MASSILLON

STATIONING

ALL STATIONING SHOWN IS REFERENCED TO THE BASELINE AS SHOWN.

NOTIFICATION OF SAFETY FORCES AND BUS GARAGES

THE CONTRACTOR SHALL NOTIFY ALL AGENCY LISTED BELOW AT LEAST 48 HOURS IN ADVANCE OF ANY STREET CLOSING OR TRAFFIC CHANGE.

MASSILLON SAFETY SERVICE 330-830-1702	MASSILLON FIRE DEPARTMENT 330-833-1053	PERRY TOWNSHIP HALL 330-833-2141	NORTH LAWRENCE FIRE DEPT 330-832-6347
TUSCARAWAS TOWNSHIP HALL 330832-4337	JACKSON FIRE DEPARTMENT 330-832-1553	MASSILLON POLICE DEPARTMENT 330-830-1735	MASSILLON SCHOOL BUS GARAGE 330-830-1849
JACKSON TOWNSHIP HALL 330-832-7416	PERRY FIRE DEPARTMENT 330478-5121	JACKSON POLICE DEPARTMENT 330-497-7440	JACKSON SCHOOL BUS GARAGE 330-830-8042
PERRY POLICE DEPARTMENT 330-833-3865	PERRY SCHOOL BUS GARAGE 330-477-1300	STARK COUNTY SHERIFF 330-430-3887	TUSCARAWAS SCHOOL BUS GARAGE 330-837-7805
SARTA 330-454-5333			

SUBSURFACE CONDITIONS

IT IS THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO MAKE HIS OWN INVESTIGATION OF SUBSURFACE CONDITIONS PRIOR TO SUBMITTING THEIR BID. PROSPECTIVE BIDDERS ARE TO COORDINATE WITH THE OWNER FOR ACCESS TO THE SITE FOR INSPECTIONS AND EXPLORATORY EXCAVATION. THE BIDDER SHALL CONTACT THE OWNER AT LEAST 72 HOURS IN ADVANCE OF THE DESIRED INSPECTION OR EXCAVATION. THE BIDDER SHALL CONTACT O.U.P.S. AND OBTAIN LOCATIONS OF OTHER UTILITIES.

SURVEYING

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 9 PM AND 7 AM. 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.

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL
POSITIONING METHOD: VRS MONUMENT TYPE: TYPE B
VERTICAL POSITIONING / ORTHOMETRIC HEIGHT DATUM: NAVD 88 / GEOID: 12 B
HORIZONTAL POSITIONING / REFERENCE FRAME: NAD83 / ELLIPSOID: GRS 80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: STATE PLAN OHIO NORTH ZONE
COMBINED SCALE FACTOR: 0.9999097353
ORIGIN OF COORDINATE SYSTEM: 600,000 METERS, 0 METERS

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.
UNITS ARE IN U.S. SURVEY FEET.

WORK LIMITS

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.

PROFILE AND ALIGNMENT

THE PROPOSED PAVEMENT RESURFACING SHALL FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. THE PROPOSED ASPHALT CONCRETE SHALL BE AS SHOWN ON THE TYPICAL SECTIONS.

REVIEW OF SANITARY AND DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING ALONG WITH PHOTOS BY THE STATE.

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 STATE.

ALL NEW OR RECONSTRUCTED INLETS CASTINGS SHALL BE BICYCLE SAFE.

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 ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT. A LUMP SUM QUANTITY HAS BEEN INCLUDED IN THE BID FORM FOR ITEM 201, CLEARING AND GRUBBING. THIS ITEM SHALL INCLUDE ALL PROVISIONS AS SET FORTH IN THE 2019 ODOT SPECIFICATIONS. REMOVAL ITEMS MAY INCLUDE TREES, STUMPS, AND BRUSH AS DETERMINED BY THE CITY ENGINEER.

ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

PRESERVATION OF PROPERTY CORNERS AND SURVEY MARKERS

THE CONTRACTOR SHALL PRESERVE ALL CORNERSTONES, IRON PINS, CONCRETE MONUMENTS AND ANY TYPE OF LAND MONUMENT. HE SHALL HAVE ALL LAND MONUMENTS IN THE PROXIMITY OF THE WORK REFERENCED. HE SHALL REPLACE DESTROYED OR DAMAGED MONUMENTS AND SHALL FURNISH A CERTIFICATION BY AN OHIO REGISTERED SURVEYOR THAT THE MONUMENTS HAVE BEEN RESTORED.

RECORD PLANS

THE FOLLOWING RECORD PLANS ARE AVAILABLE FOR THIS AREA:

- 1923 PAVING PLANS (CITY OF MASSILLON)
- 1934 BRICK RELAY PLANS (CITY OF MASSILLON)
- D04-BH-FY2D15 (ODOT PID 92444)

MASSILLON DOWNTOWN HISTORIC DISTRICT, NATIONAL REGISTER OF HISTORIC PLACES (NRHP) #SG1000002553

THIS PROJECT WILL BE CONSTRUCTED ENTIRELY WITHIN THE BOUNDARY OF THE MASSILLON DOWNTOWN HISTORIC DISTRICT LISTED ON THE NATIONAL REGISTER OF HISTORIC PLACES. ALL CONSTRUCTION OPERATIONS SHALL BE PERFORMED WITHIN THE CONSTRUCTION LIMITS AS INDICATED IN THE CONSTRUCTION PLAN. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR STAGE/STORE CONSTRUCTION EQUIPMENT AND/OR MATERIALS ON ANY PROPERTY BEYOND THE DEFINED CONSTRUCTION LIMITS WITHIN THE MASSILLON DOWNTOWN HISTORIC DISTRICT.

ITEM 203 - EXCAVATION, AS PER PLAN

PERFORM THIS ITEM OF WORK ACCORDING TO SECTION 202.05 OF THE CMS. INCLUDE THE COST TO REMOVE AND DISPOSE OF ASPHALT, BRICK, OR CONCRETE PAVEMENT AND FULL DEPTH PAVEMENT SAWING IN THE UNIT PRICE BID FOR: ITEM 203, EXCAVATION, AS PER PLAN.

THIS ITEM OF WORK SHALL CONSIST OF REMOVING ALL EXISTING WALK, CURB, FOUNDATIONS, STEPS, RAMPS, PAVEMENT, EARTH, ETC. WITHIN WORK LIMITS AND DISPOSING OF ALL UNSUITABLE MATERIAL BY EXCAVATING THE EXISTING SUBGRADE TO ELEVATIONS SHOWN.

FOR PAVEMENT REPAIR AREAS, REMOVE AND DISPOSE OF ALL UNSUITABLE MATERIAL BY EXCAVATING TO AN AVERAGE DEPTH OF 6 INCHES OR AS DIRECTED BY THE ENGINEER. EXACT LIMITS OF REMOVAL SHALL BE DETERMINED BY THE ENGINEER FOR PAVEMENT REPAIR AREAS.

COSTS FOR ALL EQUIPMENT, LABOR, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE FOR THIS ITEM..

ITEM 304 - AGGREGATE BASE , AS PER PLAN

THIS ITEM WORK SHALL BE PERFORMED IN CONFORMANCE WITH ITEM 304 IN THE CMS EXCEPT GRANULATED SLAG (GS) SHALL NOT BE PERMITTED.

COSTS FOR ALL EQUIPMENT, LABOR, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE FOR THIS ITEM. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN PROVIDED AND SHALL BE USED AS DIRECTED BY THE ENGINEER TO BACKFILL AREAS WHICH WERE EXCAVATED UNDER ITEM 203 EXCAVATION.



HORIZONTAL
SCALE IN FEET

CHECKED BY:
JP

DATE:
March, 2022

DRAWN BY:
FPW

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March, 2022

REVISIONS:	DESCRIPTION
	DATE

Charles Ave SE Improvement
General Notes
City of Massillon
Stark County, Ohio

Kathy Catzaro-Perry, Mayor
Massillon
City of Champions

DRAWING NAME:
ErieSts-GN1

CITY NUMBER:
22st04

ITEM 608 - CURB RAMP, AS PER PLAN

THIS ITEM WORK SHALL BE PERFORMED IN CONFORMANCE WITH ITEM 608 IN THE CMS AND SCD BP7.1 TYPE A1 NEW CURB RAMP, EXCEPT AS MODIFIED HEREIN. CONCRETE SHALL MEET THE REQUIREMENTS NOTED AS PART OF ITEM 608 - 4" CONCRETE WALK, A.P.P.

DETECTABLE WARNING DEVICES SHALL BE LIMITED TO REINFORCED POLYMER COMPOSITE, COLOR: RED.

COSTS FOR ALL WORK, LABOR, EQUIPMENT, AND MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE FOR THIS ITEM.

DRAINAGE:

ITEM 611 - 12", 15" CONDUIT, TYPE B

THIS ITEM WORK SHALL BE PERFORMED IN CONFORMANCE WITH ITEM 611 IN THE CMS, EXCEPT MATERIALS SHALL BE LIMITED TO CORRUGATED POLYETHYLENE SMOOTH LINED PIPE (CMS 707.33) OR POLYPROPYLENE CORRUGATED DOUBLE WALL PIPE (707.65).

COSTS FOR ALL WORK, LABOR, EQUIPMENT, AND MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE FOR THIS ITEM.

ITEM 611 - CATCH BASIN TYPE 7030

THIS ITEM WORK SHALL BE PERFORMED IN CONFORMANCE WITH ITEM 611 IN THE CMS, AND ACCORDING TO STANDARD CONSTRUCTION DRAWING CB-2.2, OR MASSILLON STANDARD DWG SEE SHEET 12. COSTS FOR ALL WORK, LABOR, EQUIPMENT, AND MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE FOR THIS ITEM.

ITEM 611 - DRAINAGE STRUCTURE MISC.: RECONSTRUCT STRUCTURE WITH MANHOLE FRAME & COVER:

THIS ITEM WORK SHALL BE PERFORMED IN CONFORMANCE WITH ITEM 611 DRAINAGE STRUCTURE CONSTRUCTION IN THE CMS AND AS MODIFIED HEREIN. EXISTING DRAINAGE STRUCTURES SHALL BE RE-CONSTRUCTED, ADJUSTED TO GRADE WITH GRADE RINGS / AN APPROVED LEVELING DEVICE, AND FURNISHED WITH A NEW ROUND MANHOLE FRAME AND COVER.

COSTS FOR ALL WORK, LABOR, EQUIPMENT, AND MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE FOR THIS ITEM.

PAVEMENT:

PAVEMENT RESTORATION FOR PIPE AND DRAINAGE STRUCTURES, CURB INSTALLATION

COSTS FOR ALL WORK, LABOR, EQUIPMENT, AND MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE.

ITEM 202 - CATCH BASIN REMOVED
ITEM 202 - PIPE REMOVED
ITEM 609 - CONCRETE CURB
ITEM 611 - CATCH BASIN TYPE 7030
ITEM 611 - 12" TYPE B CONDUIT
ITEM 611 - 15" TYPE B CONDUIT

ITEM 254-VARIES PAVEMENT PLANING (3" MAX. TO 0" MIN.), AS PER PLAN

THIS ITEM OF WORK SHALL BE PERFORMED IN CONFORMANCE WITH ITEM 254 IN THE CMS EXCEPT THE DEPTH SHALL VARY FROM 0" TO 3" TO RE-ESTABLISH SLOPE FOR POSITIVE DRAINAGE SEE SHEET 9 OF 16 FOR FINAL GRADE ELEVATIONS. THIS WORK SHALL BE PERFORMED SO THAT THE BRICK BASE IS NOT DISTURBED.

COSTS FOR ALL WORK, LABOR, EQUIPMENT, TOOLS, AND OTHER INCIDENTALS REQUIRED TO PERFORM THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THIS ITEM

ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, (1 1/2"), AS PER PLAN

THIS ITEM OF WORK SHALL BE PERFORMED IN CONFORMANCE WITH ITEM 441 IN THE CMS EXCEPT 703.05 DO NOT USE COARSE AGGREGATE FROM A SOURCE DESIGNATED 'SR' OR 'SRH' ACCORDING TO THE OFFICE OF MATERIALS MANAGEMENT (CMM) IN ANY JOB MIX FORMULA (JMF) FOR THIS ITEM.

COSTS FOR ALL WORK, LABOR, EQUIPMENT, AND MATERIALS SHALL BE INCLUDED IN THE UNIT PRICE FOR THIS ITEM.

ITEM 452 - 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS, AS PER PLAN

THIS ITEM WORK SHALL BE PERFORMED IN CONFORMANCE WITH ITEM 452 IN THE CMS AND AS DETAILED - SEE SHEET 2 FOR PAVEMENT DETAILING. CONCRETE CLASS QC MS SHALL CONFORM TO ITEM 499 EXCEPT AS MODIFIED HEREIN. CEMENTICIOUS MATERIALS SHALL BE LIMITED TO PORTLAND CEMENT, AND AIR-COOLED BLAST FURNACE SLAG CEMENT (FLY ASH IS NOT PERMITTED). COARSE AGGREGATE MATERIALS SHALL BE LIMITED TO LIMESTONE ONLY (SLAG, OR RECYCLED AGGREGATE IS NOT PERMITTED).

COSTS FOR ALL WORK, LABOR, EQUIPMENT, AND MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE FOR THIS ITEM.

ITEM 608 - 4" CONCRETE WALK, AS PER PLAN

THIS ITEM WORK SHALL BE PERFORMED IN CONFORMANCE WITH ITEM 608 IN THE CMS, EXCEPT AS DETAILED AND MODIFIED HEREIN -

MATERIAL SHALL BE CONCRETE CLASS QC MS SHALL CONFORM TO ITEM 499 EXCEPT AS MODIFIED HEREIN. CEMENTICIOUS MATERIALS SHALL BE LIMITED TO PORTLAND CEMENT, AND AIR-COOLED BLAST FURNACE SLAG CEMENT (FLY ASH IS NOT PERMITTED). COARSE AGGREGATE MATERIALS SHALL BE LIMITED TO LIMESTONE ONLY (SLAG, OR RECYCLED AGGREGATE IS NOT PERMITTED).

CONCRETE FINISH: PROVIDE MEDIUM TO FINE TEXTURED BROOM FINISH. DRAW SOFT BRISTLE BROOM ACROSS FLOAT-FINISHED CONCRETE SURFACE, PERPENDICULAR TO LINE OF PEDESTRIAN TRAFFIC, TO PROVIDE A UNIFORM, FINE-LINE TEXTURE. SIDEWALK SCORING JOINTS SHALL BE EQUALLY SPACED BETWEEN AND ALONG PLANTERS, APPROXIMATELY 4'-5' ON CENTER, BOTH WAYS, AS SHOWN, AND ALIGNED WITH PAVEMENT CORNERS.

CONCRETE CURING: CURE CONCRETE BY CURING COMPOUND MEETING THE REQUIREMENTS OF ASTM C 309, TYPE 1, CLASS B. APPLY ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.

COSTS FOR ALL WORK, LABOR, EQUIPMENT, AND MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE FOR THIS ITEM.

ITEM 609 - , COMBINED CURB AND SIDEWALK, AS PER PLAN:

THIS ITEM WORK SHALL BE PERFORMED IN CONFORMANCE WITH ITEM 609 IN THE CMS, EXCEPT AS DETAILED AND MODIFIED HEREIN - SEE SHEET 2 FOR CURB DETAILING. CURB SHALL BE CONSTRUCTED INTEGRALLY WITH ADJACENT 4" CONCRETE WALK. CONCRETE MATERIALS AND FINISH SHALL MATCH ADJACENT 4" CONCRETE WALK.

COSTS FOR ALL WORK, LABOR, EQUIPMENT, AND MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE FOR THIS ITEM.



CHECKED BY:
JP

DATE:
March, 2022

DRAWN BY:
FPW

DATE:
March, 2022

REVISIONS:	DESCRIPTION	
	DATE	

Charles Ave SE Improvement
General Notes
City of Massillon
Stark County, Ohio



DRAWING NAME:
GN2
CITY NUMBER:
21st

ITEM 625 - LIGHT POLE, CONVENTIONAL:

IN ADDITION TO THE REQUIREMENTS OF CMS 625.09, THE FOLLOWING SHALL APPLY:

LIGHT POLES SHALL BE EITHER KING LUMINAIRE (STELLAR SERIES WITH CLEVELAND BASE; KSB19-FF-S-22) OR UNION METAL (NOSTALGIA; B895-53-B7-Y1), OR APPROVED EQUAL. POLES WILL BE FITTED WITH BANNER ARMS, 20A, 120 V DUPLEX RECEPTACLE WITH COVER, PAINTED SEMI-GLOSS BLACK (FEDERAL COLOR CODE FS 27038).

LIGHT POLES SHALL INCLUDE BRACKET ARMS BY EITHER KING LUMINAIRE (KA14-T-2), OR UNION METAL (ALUMINUM BISHOP'S CROOK ASSEMBLY STYLE 895), OR APPROVED EQUAL. BRACKET ARMS WILL MATCH THE OVERALL APPEARANCE AND FUNCTION OF THE DETAIL IN THE PLANS AND PAINTED SEMI-GLOSS BLACK (FEDERAL COLOR CODE FS 27038) (WET COATED OR POWDER COATED). MANUFACTURED BY:

KING LUMINAIRE
1153 STATE ROUTE 46N
JEFFERSON, OHIO 44047
1-800-268-7809
WWW.KINGLUMINAIRE.COM

UNION METAL
PO BOX 9920
CANTON, OHIO 44711
330-456-7659

THE CONTRACTOR SHALL FURNISH AND INSTALL LIGHT POLES AS PER THE PLAN DETAILS. ALL HARDWARE EQUIPMENT SHALL BE INCLUDED WITH THIS ITEM.

ALL PROPOSED EXTERIOR CONNECTIONS (SIGNS, ETC.) TO LIGHT POLES SHALL BE FIELD DRILLED. BANDING OR STRAPPING ON THE NOSTALGIA POLES SHALL NOT BE PERMITTED.

ITEM 625 - LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN

LUMINAIRES SHALL BE UNION METAL (NLJ1-110-A13-Y5F LESS LAMP BALLAST), OR KING LUMINAIRE (K804 CORONET SR WITH SHALLOW LENS; K804-PRSH-V-60-SSL-8060-208V-4K-BK-WS) OR APPROVED EQUAL. PHOTO ELECTRIC CONTROL, PAINTED SEMI-GLOSS BLACK (FEDERAL COLOR CODE FS 27038) (WET COATED OR POWDER COATED). MANUFACTURED BY:

UNION METAL	SENTRY ELECTRIC LCC
PO BOX 9920	185 BUFFALO AVE
CANTON, OHIO 44871	FREEPORT, NEW YORK 11520-4707
330-456-7659	516-379-4660
WWW.UNIONMETAL.COM	WWW.SENTRYLIGHTING.COM

KING LUMINAIRE
1153 STATE ROUTE 46N
JEFFERSON, OHIO 44047
1-800-268-7809
WWW.KINGLUMINAIRE.COM

POWER SUPPLY FOR LIGHTING

ELECTRIC POWER SHALL BE OBTAINED FROM OHIO EDISON AT THE LOCATION INDICATED ON THE PLANS (PS-2). POWER SUPPLIED SHALL BE 120/208 VOLT, 3 PHASE, 4 WIRE.

THE OUTLET CIRCUITS WERE DESIGNED FOR 120 VOLT. THE LIGHTING CIRCUITS WERE DESIGNED FOR 208 VOLT.

ITEM 625 - POWER SERVICE (MILBANK), AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF THE SPECIFICATIONS, THE FOLLOWING IS ADDED.

THE POWER SUPPLYING AGENCY FOR THIS PROJECT IS:

OHIO EDISON
2600 S. ERIE STREET
MASSILLON, OHIO 44846
ATTN: KEVIN MCCLUSKY
PHONE: 330-830-7083
EMAIL: MCCLUSKYK@FIRSTENERGYCORP.COM

THE ENGINEER SHALL ENSURE THAT EACH POWER SERVICE ELECTRICAL ENERGY ACCOUNT IS IN THE NAME OF AND THAT THE BILLING ADDRESS IS TO THE MAINTAINING AGENCY NOTED IN THE PLANS. THIS SHALL BE DONE NOT ONLY FOR EACH NEW POWER SERVICE ESTABLISHED BY THIS PROJECT BUT ALSO FOR EACH EXISTING POWER SERVICE, SINCE THERE MAY BE A REASSIGNMENT OF THE RESPONSIBILITY FOR AN EXISTING SERVICE AS A RESULT OF THE WORK PERFORMED BY THIS PROJECT.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH CMS ITEM 625, "POWER SERVICE, AS PER PLAN" WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

HIGH VOLTAGE TEST WAIVED:

THE HIGH VOLTAGE TEST SHALL NOT BE PERFORMED ON THE CIRCUITS CONSTRUCTED BY THIS PROJECT, SINCE THE TEST COULD DAMAGE THE PORTION OF THE COMPLETED CIRCUIT WHICH HAS BEEN IN SERVICE PRIOR TO THIS PROJECT.

ITEM 625 - TRENCH IN PAVED AREA, TYPE B, AS PER PLAN:

THIS ITEM SHALL BE PERFORMED IN CONFORMANCE WITH ITEM 625 IN THE CMS, AND AS DETAILED - SEE SHEET 12 FOR DETAILING. THIS ITEM INCLUDES SAWCUTTING & THE REMOVAL OF EXISTING PAVEMENT (ASPHALT, BRICK, OR CONCRETE) AND PAVEMENT RESTORATION AS DETAILED.

COST FOR ALL WORK, LABOR, EQUIPMENT, AND MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE FOR THIS ITEM.

ITEM SPECIAL - MAINTAINING EXISTING LIGHTING:

EXISTING ROADWAYS WHICH ARE TO REMAIN OPEN TO TRAFFIC DURING CONSTRUCTION OF THIS PROJECT AND ARE LIGHTED SHALL HAVE THE LIGHTING MAINTAINED AS DESCRIBED HEREIN. BEFORE ANY WORK IS STARTED IN THE IMMEDIATE VICINITY OF ANY EXISTING LIGHTING CIRCUITS, REPRESENTATIVES OF THE STATE, THE MAINTAINING AGENCY, AND THE CONTRACTOR SHALL MAKE A VISUAL INSPECTION OF THE EXISTING ROADWAY LIGHTING CIRCUITS TO BE MAINTAINED. DURING THIS INSPECTION A WRITTEN RECORD OF THE CONDITION OF THE EXISTING LIGHTING SHALL BE MADE BY THE STATE'S REPRESENTATIVE. THIS WRITTEN REPORT SHALL NOTE INDIVIDUAL LUMINAIRES WHICH ARE NOT OPERATIONAL, AND INDIVIDUAL CIRCUITS WHICH ARE NOT IN WORKING ORDER. THE COMPLETED REPORT SHALL BE SIGNED BY THE REPRESENTATIVES OF THE STATE, THE MAINTAINING AGENCY, AND THE CONTRACTOR. IF, AS A RESULT OF THIS INSPECTION, IT IS DETERMINED THAT THE CONDITION OF THE EXISTING SYSTEM IS BELOW THAT REQUIRED FOR THE SAFETY OF THE TRAVELING PUBLIC, THEN THE MAINTAINING AGENCY SHALL MAKE REPAIRS NECESSARY TO RETURN THE SYSTEM TO AN ACCEPTABLE CONDITION. FOLLOWING THESE REPAIRS, THE SYSTEM SHALL AGAIN BE INSPECTED AND A REPORT MADE AND SIGNED AS OUTLINED HEREIN.

WHEN THE EXISTING SYSTEM IS IN AN ACCEPTABLE CONDITION, IT SHALL BE TURNED OVER TO THE CONTRACTOR WHO SHALL THEN BE REQUIRED TO MAINTAIN THE EXISTING LIGHTING TO THE CONDITION OUTLINED IN THIS REPORT WITH THE EXCEPTION OF KNOCKDOWNS DUE TO TRAFFIC ACCIDENTS. REPLACEMENTS OF KNOCKED DOWN UNITS SHALL BE DONE ONLY WHEN THE ENGINEER HAS DETERMINED THAT THE REPLACEMENT OF THE KNOCKED DOWN UNIT IS NECESSARY AND SHALL BE PAID SEPARATELY ON A PER UNIT BASIS. BETTERMENTS SHALL BE COVERED IN ITEMS OF WORK PERTAINING TO THE CONSTRUCTION OF PERMANENT IMPROVEMENTS. THE MAINTAINING AGENCY SHALL GIVE THE CONTRACTOR ONE COPY OF THE EXISTING LIGHTING CIRCUITRY LAYOUT. WHEN THE CONTRACTOR HAS TAKEN OVER THE MAINTENANCE OF THE EXISTING SYSTEM, HE SHALL PROVIDE ALL REQUIRED LAYOUT AND LOCATING OF EXISTING LIGHTING CIRCUITS WITHIN THE PROJECT.

SHOULD THE CONTRACTOR DESIRE THE REMOVAL OF THE EXISTING LIGHTING BEFORE THE NEW LIGHTING IS OPERATIONAL, THE CONTRACTOR SHALL THEN BE RESPONSIBLE FOR ADEQUATE TEMPORARY LIGHTING OF THAT PORTION OF THE EXISTING ROADWAY AFFECTED BY THE REMOVAL OF THE EXISTING LIGHTING. TWO (2) WEEKS PRIOR TO INSTALLING SUCH LIGHTING, THE CONTRACTOR SHALL PREPARE AND SUBMIT FOUR (4) SETS OF THE TEMPORARY LIGHTING PLANS TO THE ENGINEER FOR REVIEW AND APPROVAL. THIS PLAN SHALL SHOW LOCATION OF POLES, LENGTH OF BRACKET ARMS, STYLE OF LUMINAIRES, MOUNTING HEIGHT, WIRING METHODS, AND OTHER PERTINENT INFORMATION. THE TEMPORARY LIGHTING SHALL PROVIDE AN AVERAGE INITIAL INTENSITY OF 1.2 FOOTCANDLES WITH AN AVERAGE TO MINIMUM UNIFORMITY RATIO NOT TO EXCEED 4:1. MOUNTING HEIGHT FOR TEMPORARY LUMINAIRES SHALL NOT BE LESS THAN 27 FEET AND MINIMUM OVERHEAD CONDUCTOR CLEARANCE SHALL BE 20 FEET. TEMPORARY OVERHEAD CONSTRUCTION SHALL NOT BE LESS THAN GRADE "A" FOR STRENGTH REQUIREMENTS AS DEFINED BY THE NATIONAL ELECTRIC SAFETY CODE.

WOOD POLES WITH OVERHEAD WIRING MAY BE USED. HOWEVER, TEMPORARY LIGHTING SHALL MEET FEDERAL AND STATE SAFETY CRITERIA. IF BREAKAWAY POLES ARE USED TO MEET THIS CRITERIA, THEN UNDERGROUND WIRING WILL BE USED. RECONDITIONED OR USED MATERIALS MAY BE FURNISHED FOR TEMPORARY LIGHTING. ALL MATERIALS NECESSARY TO COMPLETE THE TEMPORARY LIGHTING SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. A SEPARATE POWER SERVICE WILL BE PROVIDED BY THE CONTRACTOR FOR THE TEMPORARY LIGHTING SYSTEM. THE TEMPORARY LIGHTING SHALL NOT BE SPLICED INTO EXISTING LIGHTING CIRCUITS. THE CONTRACTOR SHALL PAY ALL HOOK-UP FEES AND ELECTRICAL COSTS FOR THE TEMPORARY SYSTEM. THESE COSTS SHALL BE PAID FOR UNDER THE LUMP SUM ITEM SPECIAL MAINTAIN EXISTING LIGHTING. WHEN NO LONGER NEEDED THE TEMPORARY LIGHTING INSTALLATION SHALL BE REMOVED AND PROPERLY DISPOSED OF BY THE CONTRACTOR.

THE LUMP SUM BID FOR ITEM SPECIAL - MAINTAIN EXISTING LIGHTING, SHALL INCLUDE PAYMENT FOR ALL LABOR, EQUIPMENT, MATERIALS, INCIDENTALS, AND TEMPORARY POWER SERVICES NECESSARY TO MAINTAIN THE EXISTING LIGHTING AS SPECIFIED HEREIN.

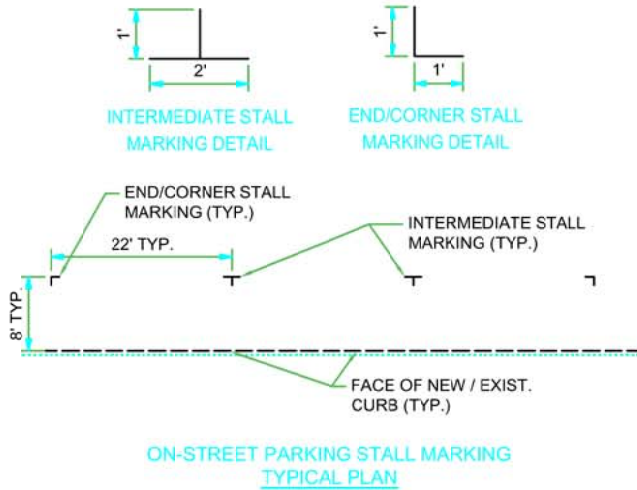
THE UNIT BID PRICE FOR EACH ITEM SPECIAL - REPLACING EXISTING CONVENTIONAL LIGHTING UNIT, SHALL BE FULL PAYMENT FOR THE REPLACEMENT OF AN EXISTING UNIT WHICH HAS BEEN KNOCKED DOWN AFTER THE AFORE-MENTIONED INSPECTION AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO PROVIDE A REPLACEMENT FOR SUCH UNIT.

ITEM SPECIAL - REPLACEMENT OF EXISTING LIGHTING UNIT	1	EA
ITEM SPECIAL - MAINTAIN EXISTING LIGHTING	1	LS

TRAFFIC CONTROL

ITEM 643 - PAVEMENT MARKING, MISC.: ON STREET PARKING STALL

THIS ITEM SHALL BE PERFORMED IN CONFORMANCE WITH ITEM 644 IN THE CMS, EXCEPT AS DETAILED HEREIN. MARKING WIDTH SHALL BE TYPICAL 4 INCHES WIDE, COLOR WHITE.



COSTS FOR ALL WORK, LABOR, EQUIPMENT, AND MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE FOR THIS ITEM.

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HORIZONTAL
SCALE IN FEET

CHECKED BY:
JP

DATE:
March, 2022

DRAWN BY:
FPW

DATE:
March, 2022

REVISIONS:

DESCRIPTION

DATE

Charles Ave SE Improvement
General Notes
City of Massillon
Stark County, Ohio

Kathy Catzaro-Perry, Mayor

Massillon

City of Champions

DRAWING NAME:
ErieStS-GN3

CITY NUMBER:
22st04

5 / 15

ITEM625SPEC - STREET LIGHT REMOVAL INCLUDING WIRING

THIS WORK SHALL CONSIST OF REMOVAL OF EXISTING STREET LIGHT. ITEMS INCLUDED IN WORK SHALL BE POLES, BULBS, FIXTURES, AND WIRING. THIS WORK SHALL ALSO INCLUDING THE CORDINATION OF THE EXISTING POWER BEING DISCONNECTED. REMOVAL OF ALL EXISTING CABLES (WIRING) CONNECTED TO LIGHT POLES BEING REMOVED SHALL BE INCLUDED IN UNIT PRICE BID.

ITEM 625SPEC - STREET LIGHT REMOVAL INCLUDING WIRING - EACH

LANDSCAPING

ITEM 653 - TOPSOIL FURNISHED AND PLACED:

THIS ITEM SHALL BE PERFORMED IN CONFORMANCE WITH ITEM 653 IN THE CMS, EXCEPT AS MODIFIED HEREIN. WORK SHALL INCLUDE FURNISHING AND PLACING TOPSOIL / GROWING MEDIUM IN THE PROPOSED ROADWAY MEDIAN, TREE PLANTING PITS, TREE LAWNS, AND ALL DISTURBED LAWN AREAS.

FURNISHED TOPSOIL SHALL MEET THE FOLLOWING REQUIREMENTS:

1. TOPSOIL/PLANTING SOIL: IMPORTED, NATURALLY FORMED SOIL FROM OFF-SITE SOURCES AND CONSISTING OF SANDY LOAM SOIL ACCORDING TO USDA TEXTURES; AND MODIFIED WITH SOIL AMENDMENTS, AND FERTILIZER TO PRODUCT VIABLE TOPSOIL/PLANTING SOILS.

LOOSE, FRIABLE, NATURAL, FERTILE SOIL, FREE OF STONES, CLAY LUMPS, ROOTS, AND FOREIGN OR TOXIC MATTER. MIX SHALL BE CLASSIFIED IN THE "SANDY LOAM" PORTION OF THE USDA SOIL TEXTURAL TRIANGLE. THE FRACTION PASSING THE #10 SIEVE SHALL MEET THE FOLLOWING MECHANICAL ANALYSIS:

- 10% TO 20% CLAY.
60% TO 75% SAND.
20% TO 30% SILT.

CONTAIN 5-15% ORGANIC MATTER AS DETERMINED BY LOSS OF IGNITION OF SAMPLES OVEN DRIED TO CONSTANT WEIGHT AT 212 DEG F. HAVE A PH LEVEL BETWEEN 6.3 AND 7.5. BE SCREENED THROUGH A 1-1/4" SCREEN.

PLACING TOPSOIL OVER EXPOSED SUBGRADE: APPLY MANUFACTURED SOIL ON-SITE IN ITS FINAL BLENDED CONDITION. DO NOT APPLY MATERIALS OR TILL IF EXISTING SOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET. TILL SUBGRADE TO A MINIMUM DEPTH OF 4 INCHES. REMOVE STONES LARGER THAN 1-1/2 INCHES IN ANY DIMENSION AND STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEIOUS MATERIAL AND LEGALLY DISPOSE OF THEM OFF PROJECT SITE. WHERE PROPOSED TOPSOIL DEPTHS ARE GREATER THAN 6 INCHES, APPLY TOPSOIL IN LIFTS NOT EXCEEDING 8 INCHES IN LOOSE DEPTH. SPREAD TOPSOIL TO DEPTH 1-2 INCHES ABOVE FINISHED GRADE TO ALLOW FOR NATURAL SETTLEMENT. DO NOT SPREAD IF SOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET. GRADE PLANTING SOIL TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORMLY FINE TEXTURE. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES.

PROTECTION: PROTECT AREAS OF IN-PLACE SOIL FROM ADDITIONAL COMPACTION, DISTURBANCE, AND CONTAMINATION. IF TOPSOIL OR SUBGRADE IS OVER COMPACTED, DISTURBED, OR CONTAMINATED BY FOREIGN OR DELETERIOUS MATERIALS OR LIQUIDS, REMOVE THE TOPSOIL AND CONTAMINATION; RESTORE THE SUBGRADE, AND REPLACE CONTAMINATED SOIL WITH NEW TOPSOIL/PLANTING SOIL.

WHEN THIS ITEM IS SPECIFIED FOR AREAS OF EXISTING TREE LAWN; INCLUDE THE COST TO EXCAVATE AND DISPOSE OF THE TOP 6" OF EXISTING SOIL WITH THE UNIT PRICE BID FOR THIS ITEM.

COST FOR ALL WORK, LABOR, EQUIPMENT, AND MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE ITEM 661SPEC - PLANTER AREA WITH 3" GREEN VASE ZELKOVA

ITEM 661SPEC - PLANTER AREA WITH 3" GREEN VASE ZELKOVA

THIS ITEM SHALL BE PERFORMED IN CONFORMANCE WITH ITEMS 653, 661, 662, IN THE CMS, ITEM 653 TOPSOIL, ITEM,662 LANDSCAPE WATERING, ITEM 661 MULCH SHALL BE INCLUDED IN THIS BID ITEM. EXCEPT AS MODIFIED HEREIN. PROVIDE ORGANIC MULCH FREE FROM DELETERIOUS MATERIALS CONSISTING OF:

1. 100% DOUBLE SHREDDED HARDWOOD BARK MULCH WITH NO FILLERS OR COMPOST.
2. 3 INCHES MAXIMUM, 1/2" MINIMUM SIZE RANGE.
3. NATURAL COLOR (NO DYE'S).

COST FOR ALL WORK, LABOR, EQUIPMENT, AND MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE FOR THIS ITEM.

ITEM SPEC - BASEMENT WALLS

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING CONCRETE MASONRY WALLS WHERE EXISTING BASEMENTS EXTEND BEYOND THE PUBLIC RIGHT OF WAY, AND UNDER THE PUBLIC SIDEWALK. SEE DETAILING ON SHEET 7. BASEMENTS ARE TO BE WALLED OFF AT THE PUBLIC RIGHT OF WAY.

EXCAVATION FOR INSTALLATION SHALL BE INCLUDED IN THE UNIT PRICE BID.

PAYMENT FOR THIS ITEM WILL BE MADE BASED ON THE EXPOSED SQUARE FOOTAGE (FACE-FOOT) OF COMPLETED WALL. COST FOR ALL WORK, LABOR, EQUIPMENT, AND MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE FOR THIS ITEM.

ITEM SPECIAL - BASEMENT WALLS 1950 S.F.

STATION TO STATION		SIDE	LENGTH	WIDTH	HEIGHT	SPECIAL	613
			FT	FT	FT	BASEMENT WALLS	LOW STRENGTH MORTAR BACKFILL (TYPE 1)
10+96.03	11+00.19	LEFT	4	4.5	10	SF	CY
11+31.54	11+72.02	LEFT	41	5.5	10	410	84
12+34.28	12+43.27	LEFT	10	4	10	100	15
12+43.27	13+36.90	RIGHT	140	14	10	1400	726
TOTAL						1950	832

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HORIZONTAL SCALE IN FEET

CHECKED BY:
JP

DATE:
March, 2022

DRAWN BY:
FPW

DATE:
March, 2022

REVISIONS:

DATE	DESCRIPTION

Charles Ave SE Improvement
General Notes
City of Massillon
Stark County, Ohio

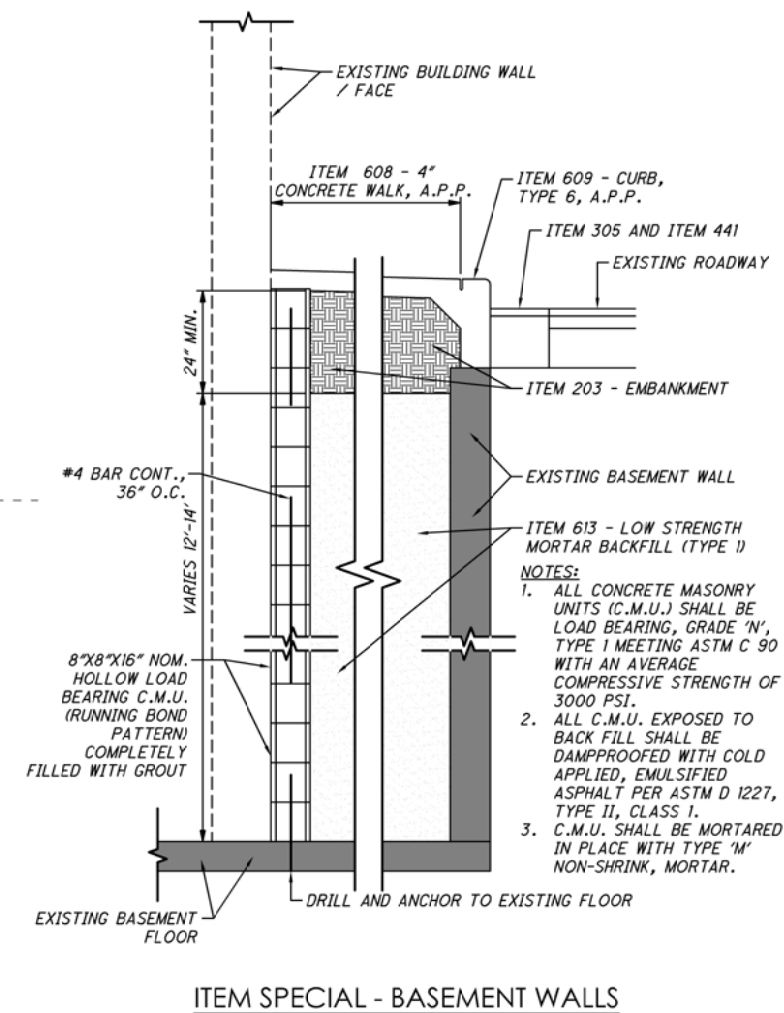
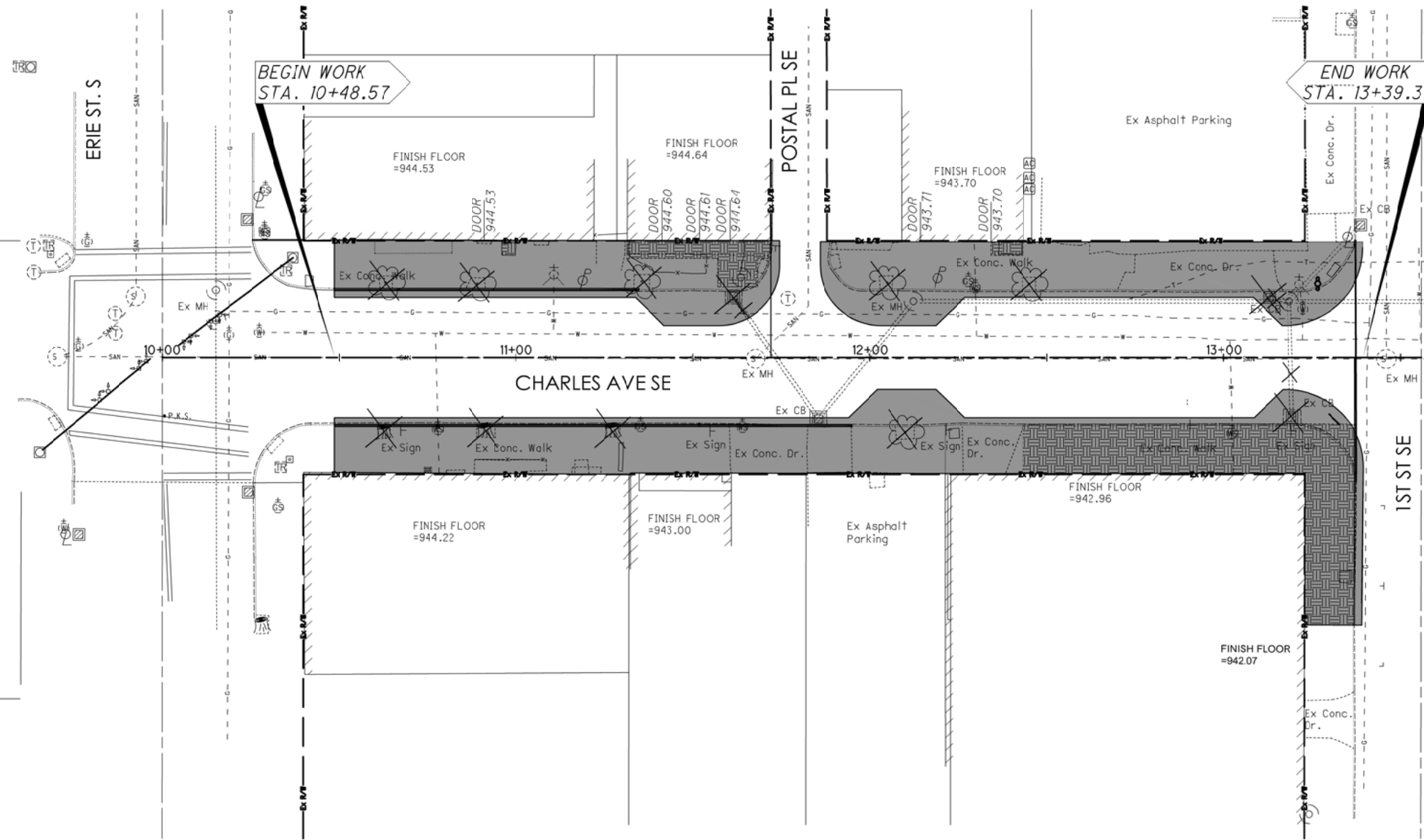
Kathy Catzaro-Perry, Mayor

Massillon
City of Champions

DRAWING NAME:
ErieStS-GN4

CITY NUMBER:
22st04

6 / 15



- LEGEND**
- TREE REMOVAL
ITEM 201 - CLEARING AND GRUBBING
 - STUMP REMOVAL
ITEM 201 - CLEARING AND GRUBBING
 - CATCH BASIN REMOVED
ITEM 202 - CATCH BASIN REMOVAL - 3 LF
 - PIPE REMOVAL
ITEM 202 - PIPE REMOVAL - 45 LF
 - REMOVAL OF EXISTING WALK, CURB, FOUNDATIONS, STEPS, RAMPS, PAVEMENT, EARTH, ETC.
ITEM 203 - EXCAVATION, AS PER PLAN - 400 SY
 - BASEMENT WALL AND BACKFILL
ITEM SPECIAL - BASEMENT WALLS - 1950 SF
ITEM 203 - EMBANKMENT - 170 CY
ITEM 613 - LOW STRENGTH MORTAR BACKFILL (TYPE I) - 832 CY

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HORIZONTAL SCALE IN FEET

CHECKED BY:

DATE: Jan., 2022

DRAWN BY: FPW

DATE: Jan., 2022

REVISIONS:	DESCRIPTION
DATE	

Charles Ave SE Improvement
Removal and Basement Removal
City of Massillon
Stark County, Ohio

Massillon
City of Champions

DRAWING NAME:

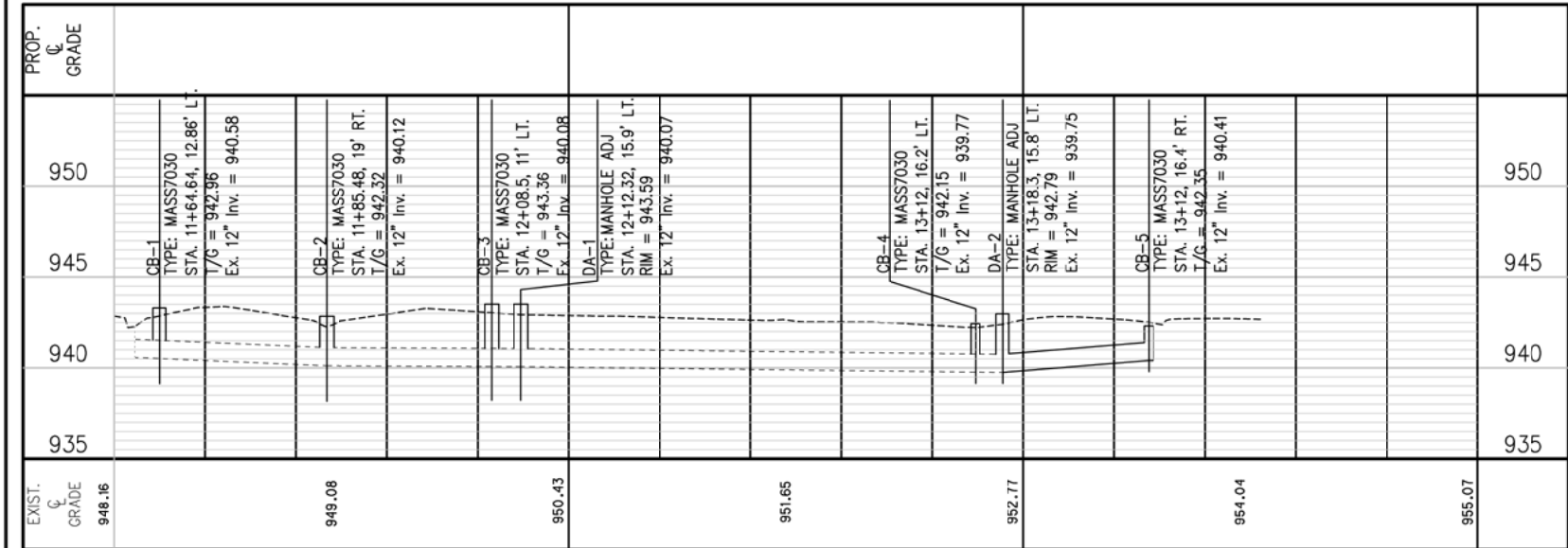
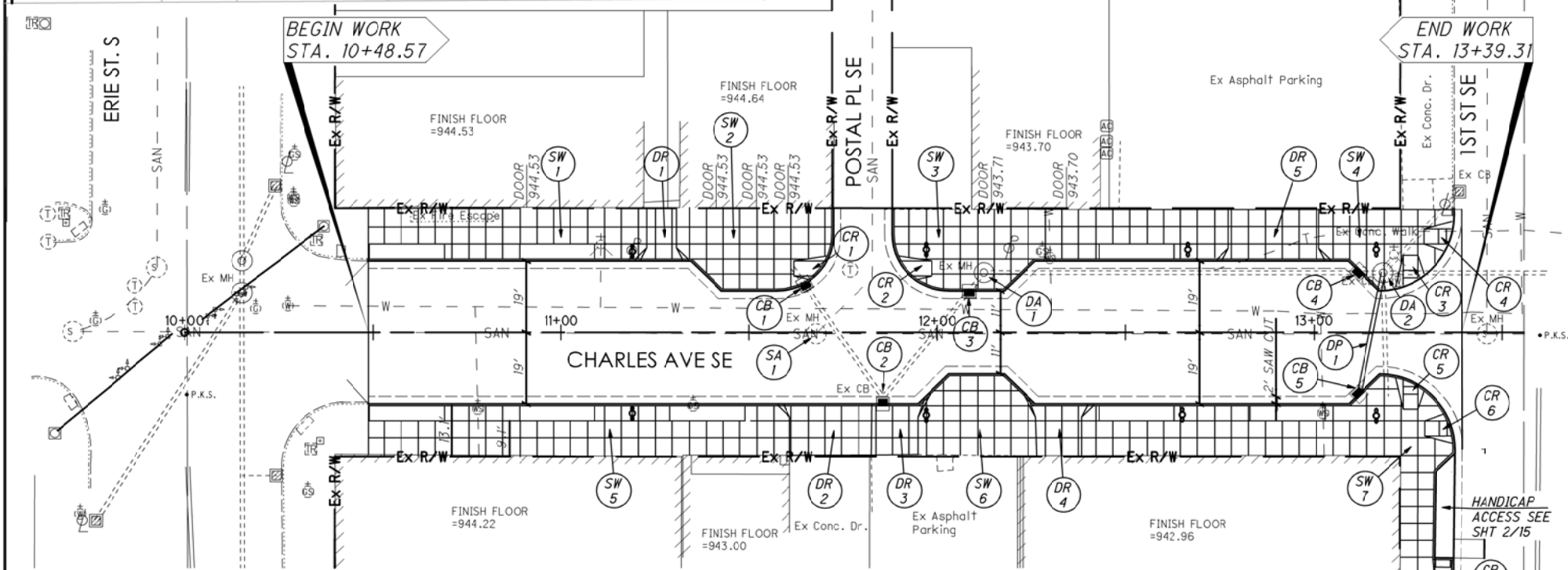
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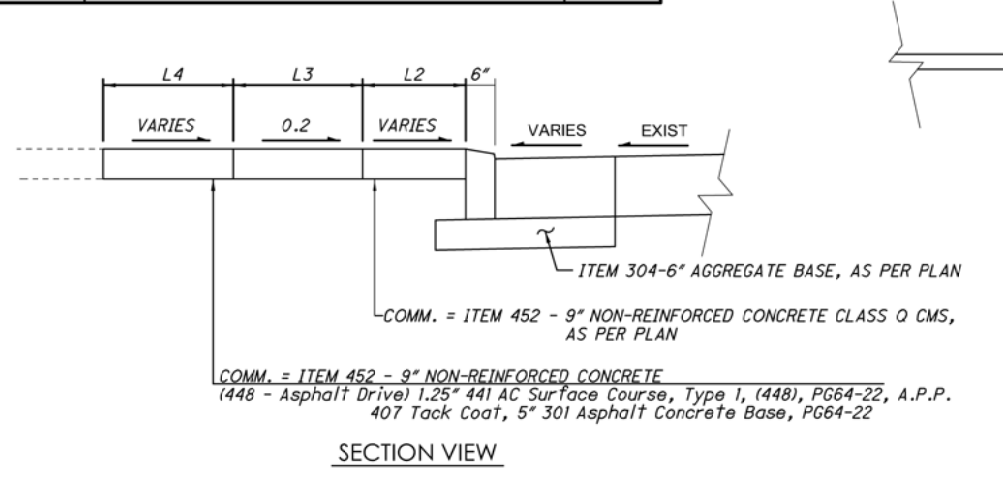
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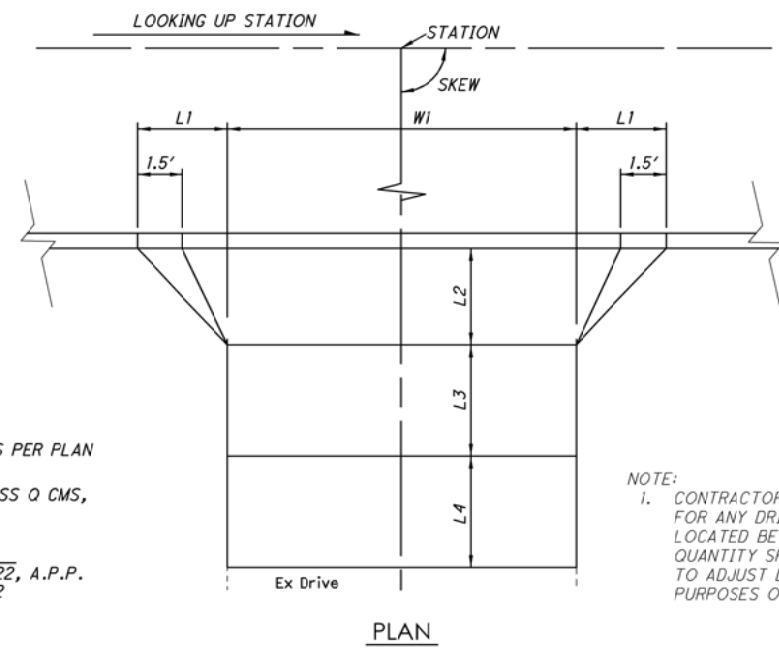
CONTROL DATA				
		STATION	NORTH	EAST
LINCOLN WAY W	PI	10+25	412768.9230	2239098.4973
LINCOLN WAY W	PI	13+50	412886.7466	2239401.3880
CP1	PKS	10+00.65, 16.49' RT.	412909.7692	2238496.7904
CP2	PKS	13+60.09, 0.73' RT.	413059.9910	2238697.5270



DRAINAGE PROFILE									
REF. No.	STATION	SIDE	SKEW	L-1	L-2	L-3	L-4	W-1	452 9" NON-REINFORCED CONCRETE PAVEMENT CLASS Q CMS, AS PER PLAN SY
DR-1	11+26.76	LT	90°00'00"	3	4	5	4	8	13
DR-2	11+71.55	RT	90°00'00"	3	4	5	4	22'	33.1
DR-3	11+88.79	RT	90°00'00"	3	4	5	4	12.5	19.4
DR-4	12+32.40	RT	90°00'00"	3	4	5	4	12.5	19.4
DR-5	12+89.24	LT	90°00'00"	3	4	5	4	24	36
TOTALS CARRIED TO GENERAL SUMMARY									120.9



REF. No.	STATION	FROM	TO	SIDE	PIPE REMOVED	STRUCTURE REMOVED	CURB RAMP	CONCRETE WALK	12" TYPE B CONDUIT	CATCH BASIN TYPE 7030	DRAINAGE MANHOLE ADJUSTED	SANITARY MANHOLE ADJUSTED
CB-1	11+64.64	LT	11+64.64	LT	5	1			5			
CB-2	11+85.48	RT	11+85.48	RT	10	1			10			
CB-3	12+08.5	LT	12+08.5	LT	10	1			10			
CB-4	13+12	LT	13+12	LT	10	1			10			
CB-5	13+12	RT	13+12	RT	32							
DA-1	12+12.32	LT	12+12.32	LT								
DA-2	13+18.30	LT	13+18.30	LT								
DP-1	13+12	RT/LT	13+18.30	RT/LT								
CR-1	11+68.77	LT	11+68.77	LT								
CR-2	11+91.65	LT	11+91.65	LT								
CR-3	13+25.62	LT	13+25.62	LT								
CR-4	13+36.43	RT	13+36.43	RT								
CR-5	13+25.62	LT	13+25.62	LT								
CR-6	13+36.63	RT	13+36.63	RT								
CR-7	12+12.32	RT	12+12.32	RT								
SA-1	11+67.75	RT	11+67.75	RT								
SW-1	10+48.77	LT	10+48.77	LT								
SW-2	11+30.73	LT	11+30.73	LT								
SW-3	11+88.02	LT	11+88.02	LT								
SW-4	13+01.24	LT	13+01.24	LT								
SW-5	10+48.77	RT	10+48.77	RT								
SW-6	11+94.91	RT	11+94.91	RT								
SW-7	12+38.41	RT	12+38.41	RT								
TOTALS CARRIED TO GENERAL SUMMARY					67	4	215	6981	68	5	2	1



NOTE:
1. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DRIVE RESTORATION LOCATED BEYOND (L-3). (L-4) QUANTITY SHALL BE PAID FOR ONLY TO ADJUST DRIVE FOR PROFILE PURPOSES ONLY.

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VERTICAL SCALE

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HORIZONTAL SCALE IN FEET

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CHECKED BY:

DATE: Jan., 2022

DRAWN BY: FPW

DATE: Jan., 2022

REVISIONS:

DATE	DESCRIPTION

Charles Ave SE Plan

Plan

City of Massillon

Stark County, Ohio

Kathy Calzavara-Perry, Mayor

Massillon

City of Champions

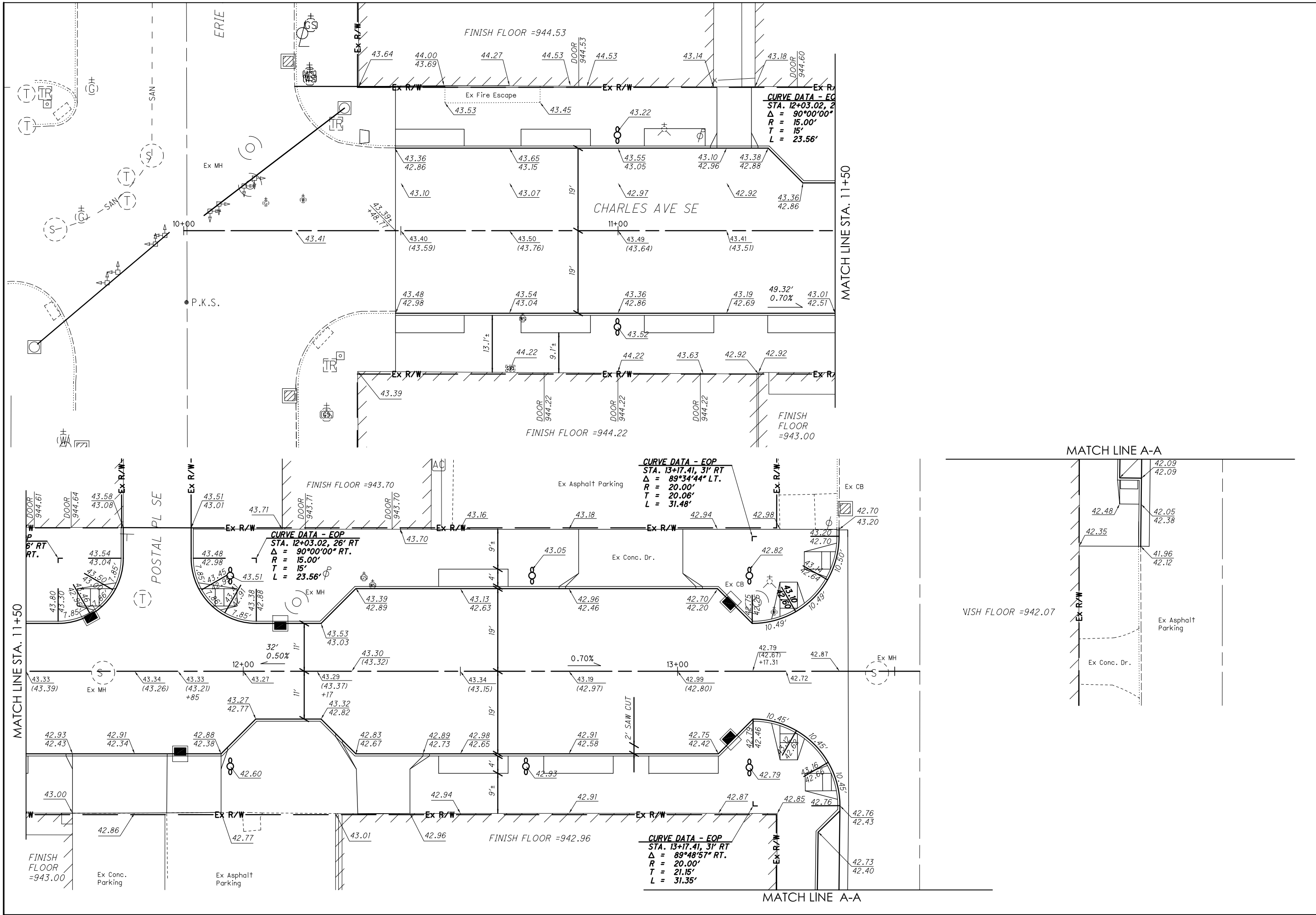
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CITY NUMBER:

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HORIZONTAL
SCALE IN FEET

CHECKED BY:

DATE:
Jan., 2022

DRAWN BY:
FPW

DATE:
Jan., 2022

REVISIONS:

DATE

DESCRIPTION

Charles Ave SE Plan
Grading Plan
City of Massillon
Stark County, Ohio

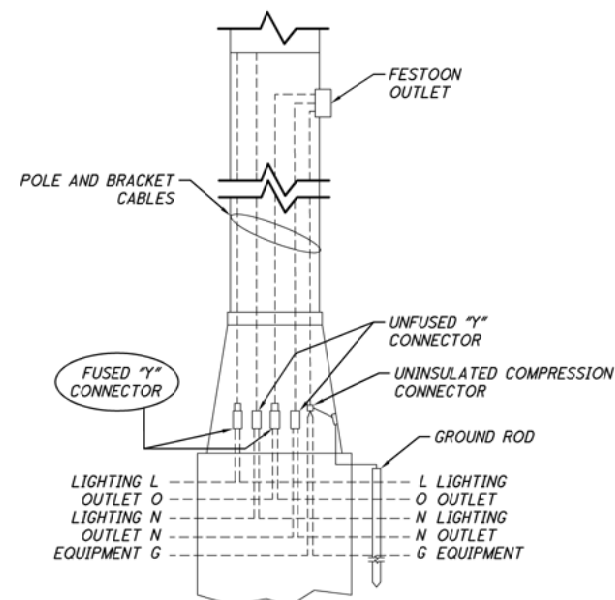
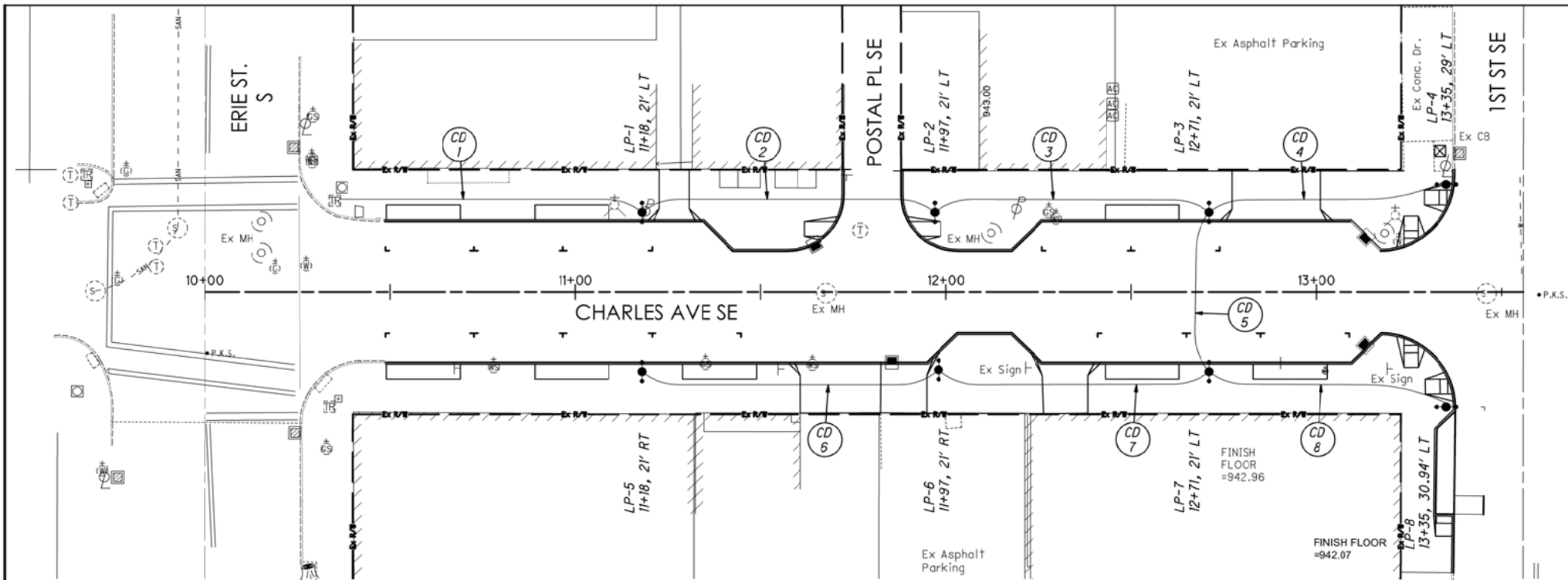
Kathy Catzaro-Ferry, Mayor

Massillon
City of Champions

DRAWING NAME:
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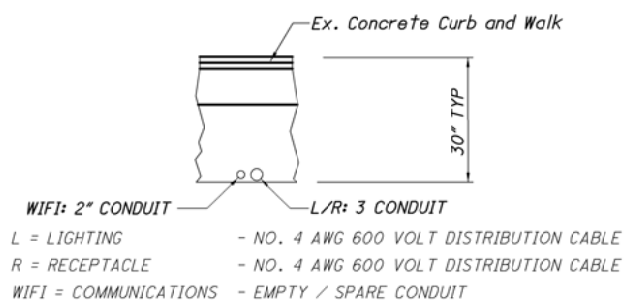
CITY NUMBER:
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9 / 15

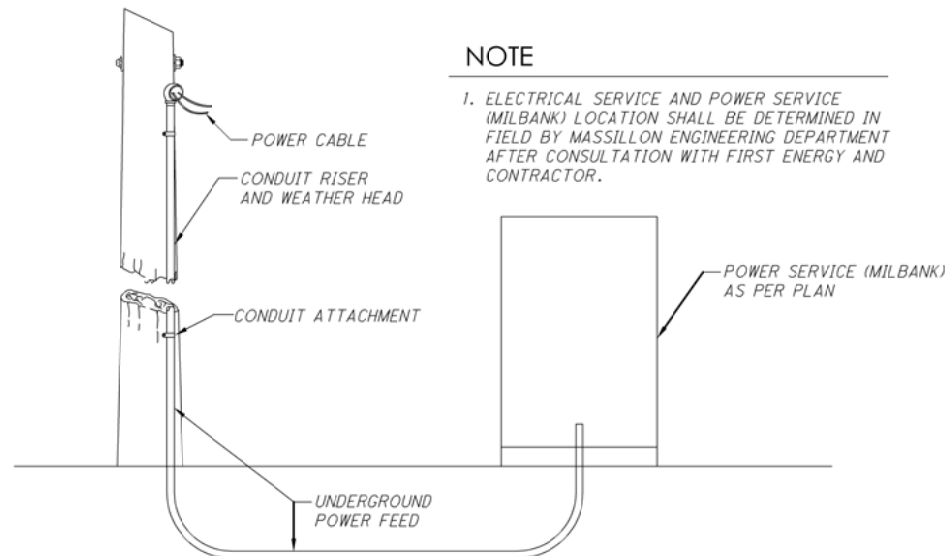


SINGLE LINE WIRING - LIGHT POLE

NOTES:
1. GFCI OUTLET MUST BE UL-LISTED FOR DAMP LOCATIONS, PER NEC ARTICLE 406. THE "WR" LABEL MUST BE VISIBLE ON THE OUTLET FACE.



CONDUIT BANK DETAIL

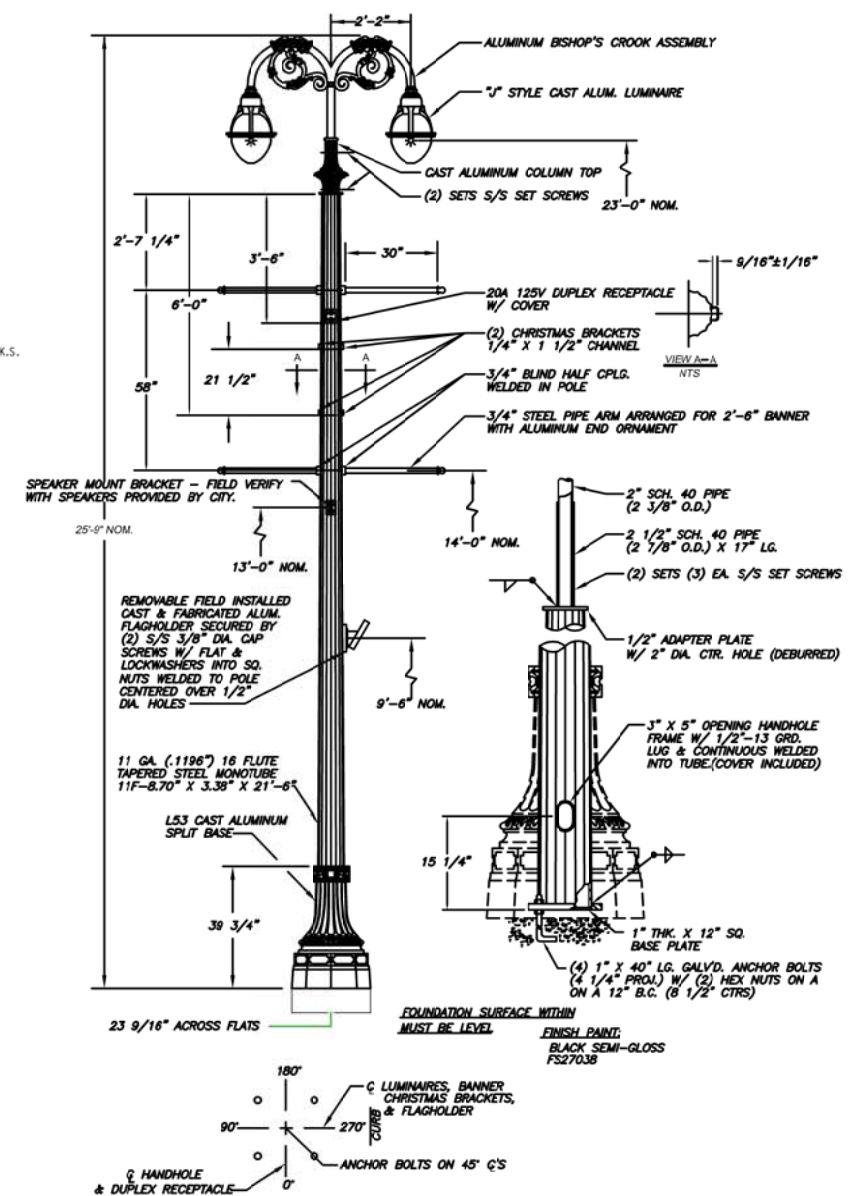


NOTE

1. ELECTRICAL SERVICE AND POWER SERVICE (MILBANK) LOCATION SHALL BE DETERMINED IN FIELD BY MASSILLON ENGINEERING DEPARTMENT AFTER CONSULTATION WITH FIRST ENERGY AND CONTRACTOR.

ELECTRICAL SERVICE AND POWER SERVICE (MILBANK) AS PER PLAN

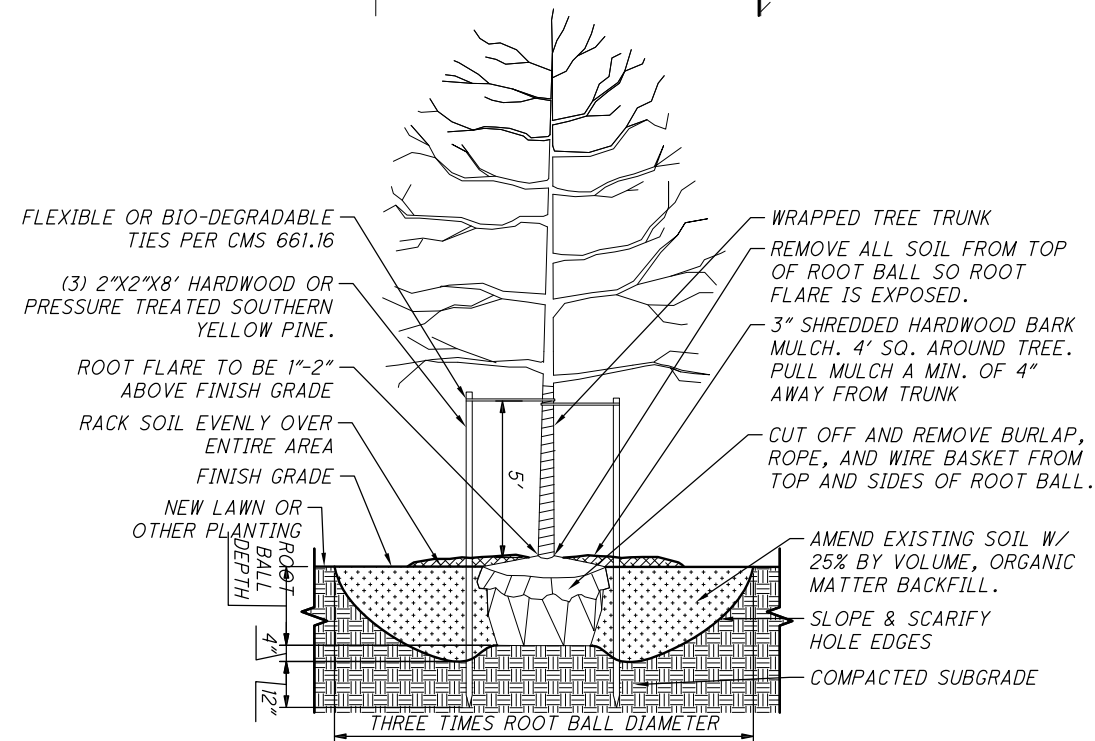
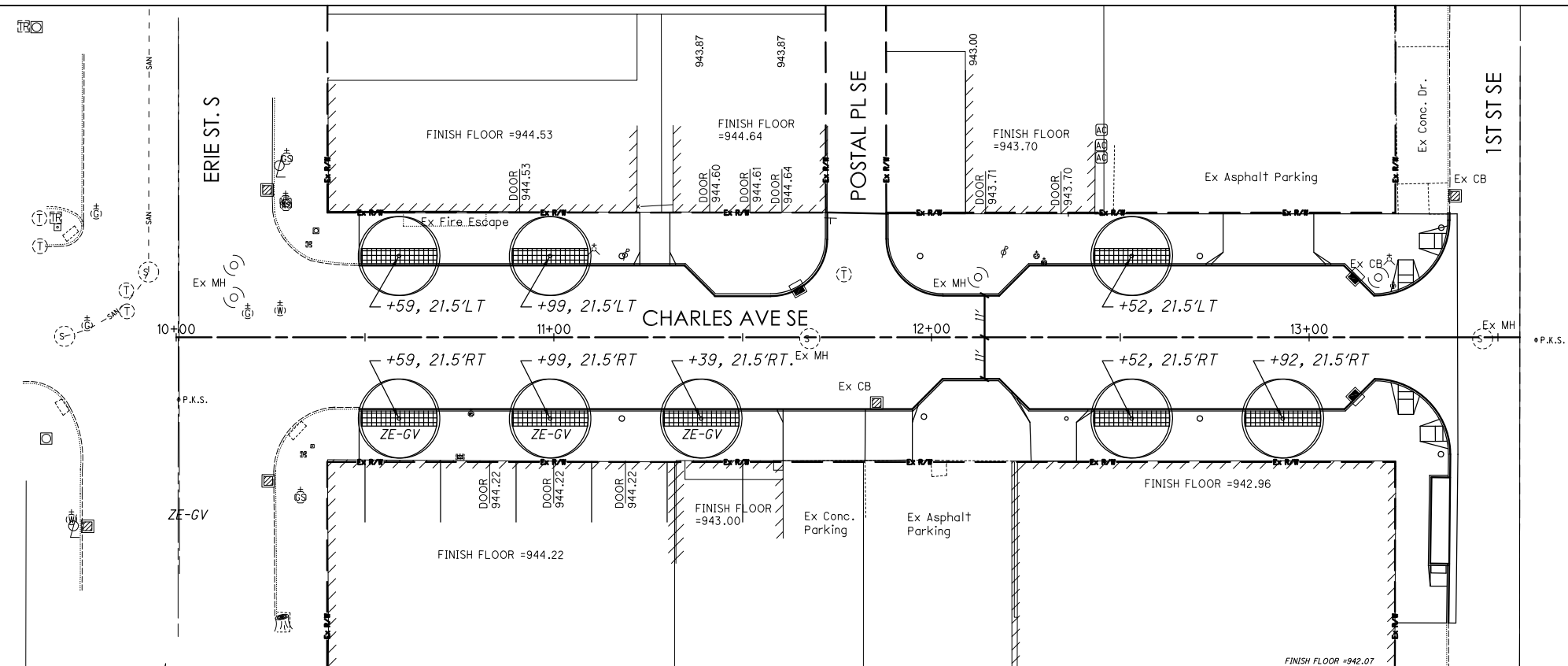
REF. No.	SIDE	STATION		625	625	625	625	625	625	625
		FROM	TO	LIGHT POLE FOUNDATION 24" X 6" DEEP	LIGHT POLE CONVENTIONAL (AA BB 23)	LUMINAIRE CONVENTIONAL SOLID STATE (LED)	GROUND ROD	CONDUIT, 2" 725.052	CONDUIT, 3" 725.052	POWER SERVICE (MILBANK), AS PER PLAN
CD-1	LT	10+35	11+18					84	84	
CD-2	LT	11+18	11+97					80	80	
CD-3	LT	11+97	12+71					74	74	
CD-4	LT	12+71	13+35					64	64	
CD-5	RT/LT	12+66	12+71					42	42	
CD-6	RT	11+00	11+98					90	90	
CD-7	RT	11+98	12+66					74	74	
CD-8	RT	12+66	13+35					64	64	
POWER SERVICE									50	1
FIELD DETERMINED										
LP-1	RT	11+18		1	1	2	1			
LP-2	RT	11+97		1	1	2	1			
LP-3	LT	12+71		1	1	2	1			
LP-4	LT	13+35		1	1	2	1			
LP-5	LT	11+18		1	1	2	1			
LP-6	RT	11+97		1	1	2	1			
LP-7	LT	12+71		1	1	2	1			
LP-8	LT	13+35		1	1	2	1			
TOTALS CARRIED TO GENERAL SUMMARY				8	8	16	8	572	622	1



ITEM 625 - LIGHT POLE, CONVENTIONAL

LEGEND

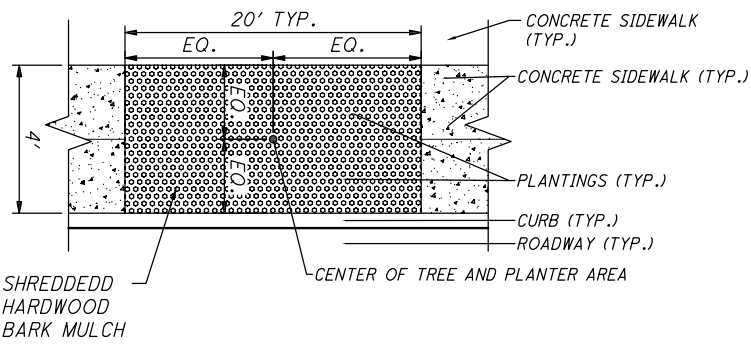
- PROPOSED LIGHT POLE
 - ITEM 625 - LIGHT POLE FOUNDATION, 24" X 6" DEEP
 - ITEM 625 - LIGHT POLE, CONVENTIONAL (AB BB 23)
 - ITEM 625 - LUMINAIRE, CONVENTIONAL SOLID STATE (LED), AS PER PLAN
- PROPOSED CONDUITS (BANK)
 - ITEM 625 - CONDUIT, 3", 725.052
 - ITEM 625 - CONDUIT, 2", 725.052
- ITEM 625 - PULL BOX, 725.06, SIZE 4
- ITEM 625 - POWER SERVICE (MILBANK), AS PER PLN
 - 16" PAD MOUNT BASE
 - CP3B51215AABK4SP1
 - 16"W x 17"D x 48"H
 - TYPE 3R ENCLOSURE
 - 10K SCCR
 - 200AMP 5JAW RINGLESS SKT W/ LEVER BYPASS
 - 16 CIRCUIT LOADCENTER
 - 100 AMP 2P MAIN C/B(BACKFED)-IOKAIC
 - (1) 15A 1P C/B- CONTROL
 - (2) 20A 2P C/B'S
 - (2) 40A AP C/B'S
 - HOA SWITCH
 - PE SOCKET
 - (PE CONTROL SUPPLIED BY OTHERS)
 - (1) 24HR TIME CLOCK
 - (2) 60A 3P E/H CONTRACTORS
 - ALUMINUM CONSTRUCTION PAINTED SEMI GLOSS BLACK FS27038



- NOTES:**
1. SET ALL PLANTS SO THAT THEY BEAR THE SAME RELATION TO THE FINISH GRADE AS THEY DID IN THEIR PRIOR LOCATION.
 2. THOROUGHLY TILL AREA EQUAL TO 3 TIMES THE DIAMETER OF THE ROOT BALL AND TO THE DEPTH OF THE ROOT BALL. PRIOR TO TILLING, REMOVE ANY EXISTING LAWN OR VEGETATION.
 3. ALL PLANT MATERIALS SHALL BE IN ACCORDANCE WITH THE AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60.1).
 4. HANDLE THE TREE BY ROOT BALL ONLY. DO NOT LIFT OR LEVERAGE TREE BY TREE TRUNK.
 5. BACKFILL AROUND TREE WITH TILLED SOIL AND "WATER IN" BACKFILL IN 6" LIFTS TO SETTLE IN BACKFILL. INSTALL BACKFILL 1" HIGHER THAN SURROUNDING GRADE TO ALLOW FOR SETTLEMENT.
 6. PRUNING SHALL BE LIMITED TO DEAD, DISEASED, OR BROKEN LIMBS ONLY, AND SHALL BE IN ACCORDANCE WITH ANSI SPECIFICATIONS.
 7. REMOVE STAKES AND ARBOR TIES AFTER ONE YEAR, UNLESS DIRECTED OTHERWISE.

TREE PLANTING DETAIL

QTY.	KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOTS
SHADE TREES					
8	ZE-GV	ZELKOVA S. 'GREEN VASE'	GREEN VASE ZELKOVA	3" CAL.	B & B



ITEM 661 - PLANTER AREA WITH 3" CALIPER GREEN VASE ZELKOVA

- STA. 10+59, 21.5' LT.
STA. 10+99, 21.5' LT.
STA. 11+39, 21.5' RT.
STA. 12+52, 21.5' LT.
- STA. 10+59, 21.5' RT.
STA. 10+99, 21.5' RT.
STA. 11+39, 21.5' RT.
STA. 12+52, 21.5' RT.

LEGEND

ITEM 661 - PLANTER AREA WITH 3" CALIPER GREEN VASE ZELKOVA

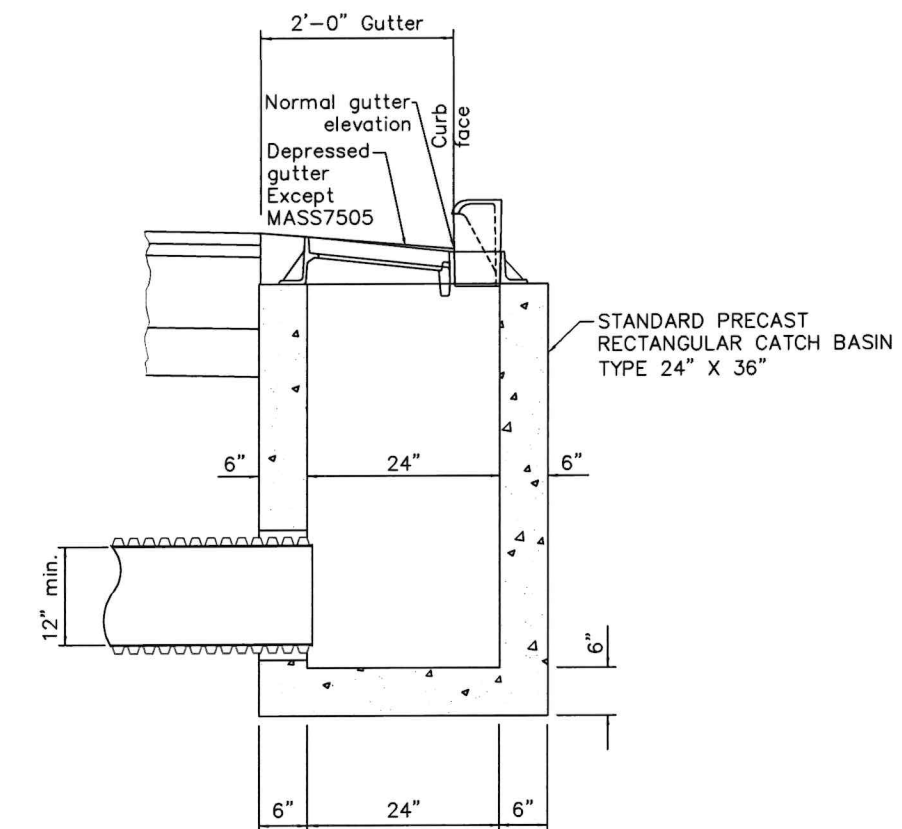
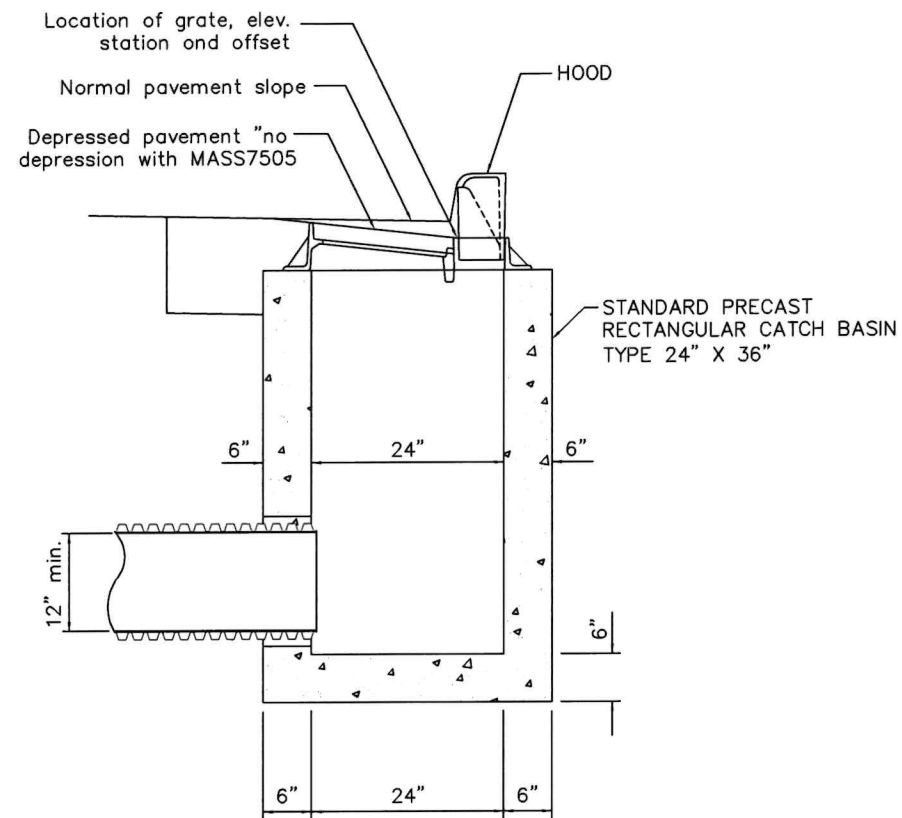
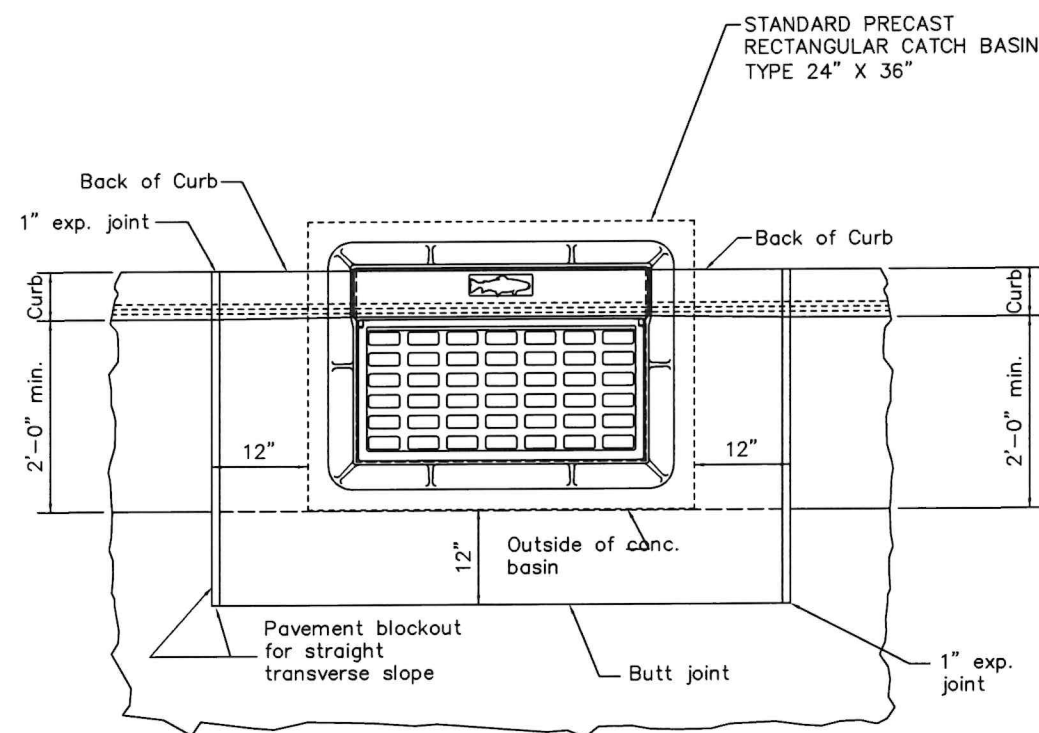
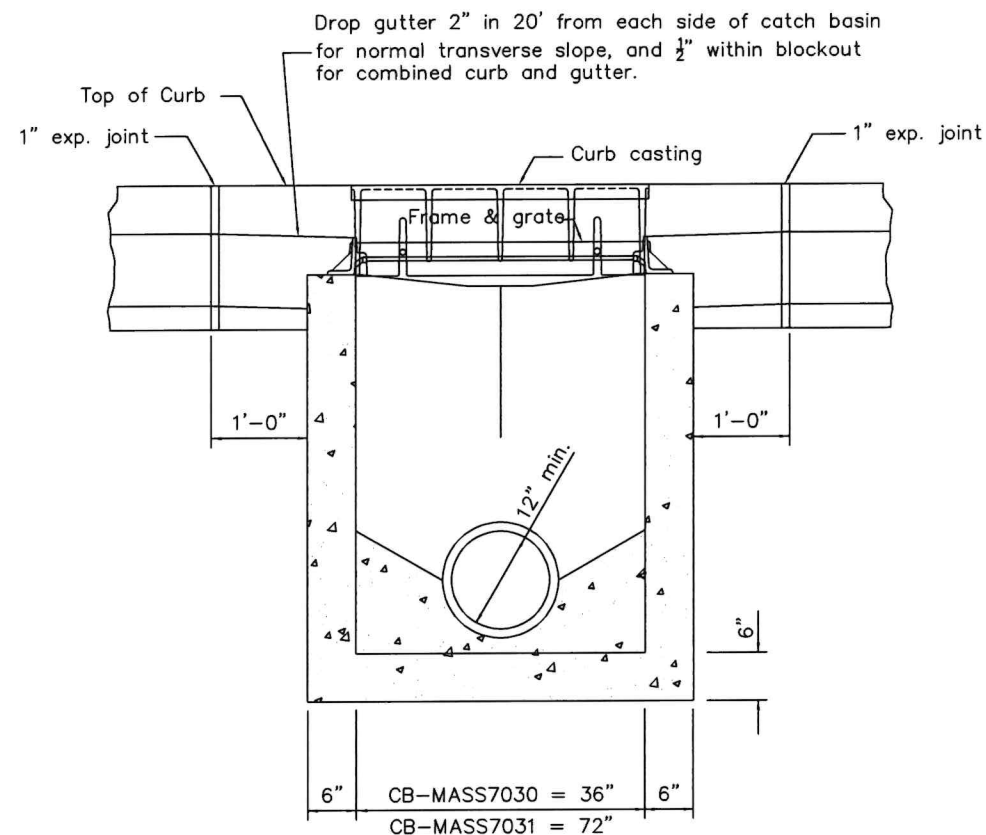
CONSTRUCTION LIMITS

FINISH GRADE
LAWN OR PAVEMENT - SEE PLANS FOR CONDITIONS
EXISTING SUBGRADE

PERENNIAL OR ORNAMENTAL GRASS PLANTING
2-1/2" SHREDDED HARDWOOD BARK MULCH
TOPSOIL
COMPACTED SUBGRADE

NOTES:

1. PRIOR TO INSTALLATION, REMOVE ALL EXISTING LAWN OR OTHER VEGETATION.
2. REMOVE TOP 12" OF EXISTING SOIL.
3. SPREAD 2" DEEP LAYER OF DECOMPOSED LEAF MULCH, AND TILL INTO TOP 4" OF EXISTING SUBGRADE.
4. SPREAD AND "WATER-IN" PLANTING SOIL. DEPTH SHALL BE 12", AFTER WATERING-IN.
5. SET ALL PLANTS IN TOPSOIL OR SO THEY BEAR THE SAME RELATION TO THE FINISH GRADE AS THEY DID TO THE NATURAL GRADE AT THE NURSERY.



GRATES: Two required. For details, see EJ 7030Z. provide Grate M2 unless the plans specifically require the bicycle safety grate.

CASTINGS: Provide a design essentially the same and equally as strong as the one shown. Below is a list of approved EJ

Frame = 7030 Z, 7031 Z, 7505
Grate = 7030 M2, 7505
= 7030 M3 for bicycle safety
Hood = 7030 T1, 7505
7030 T3 for drop curb areas

BEARING AREAS: Fit and finish the frame and grate to provide a firm seat and even seat. No projections are permitted on bearing areas, and grate must seat in its frame without rocking.

PRECAST CONSTRUCTION: Meet CMS 706.13 concrete requirements. Provide precast walls at least 6" thick with sufficient reinforcing to permit shipping and placement without damage. Reduce the wall thickness from the outside.

MINIMUM DEPTH: The minimum depth is per the cover requirements for that pipe type.

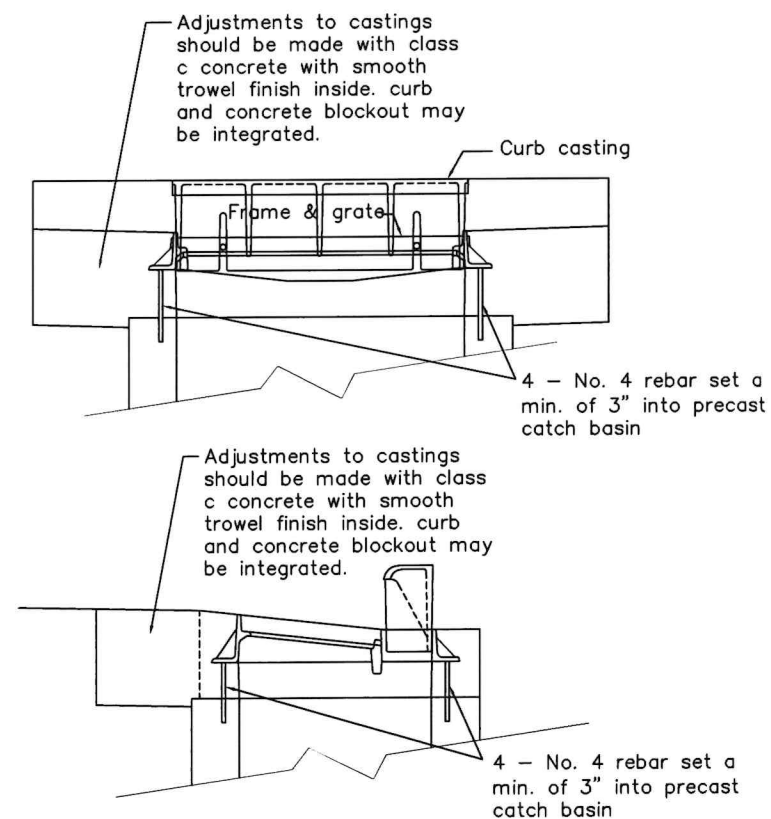
OPENINGS: Obtain the Engineer's approval for any pipe opening greater than 4" from the outside of the pipe to the structure. Fill all voids per CMS 611.

DOWELS: Furnish four 1"x18" dowels for concrete pavement or gutter blockout. See SCD BP-2.2 for dowel details.

BLOCKOUT: Pave blockouts with 4000 psi compressive strength concrete in PCC pavement or gutter. Blockouts are paid for as part of the catch basin quantities because of the castings. Cast a 4000 psi compressive strength concrete apron, the size of the 2'-0" gutter blockout, in place in asphalt pavement (no dowels required) with the cost included in the catch basin bid price. No deduction is made in curb quantities.

PAYMENT: All materials and labor, including excavation and backfilling, are paid for under Item 611Spec - Catch Basin, Mass7030.

ADJUSTMENT: No brick shall be used to adjust castings height. See Adjustment detail this sheet.



CASTING ADJUSTMENT

CHECKED BY: JP
DATE: March, 2022
DRAWN BY: FPW
DATE: March, 2022

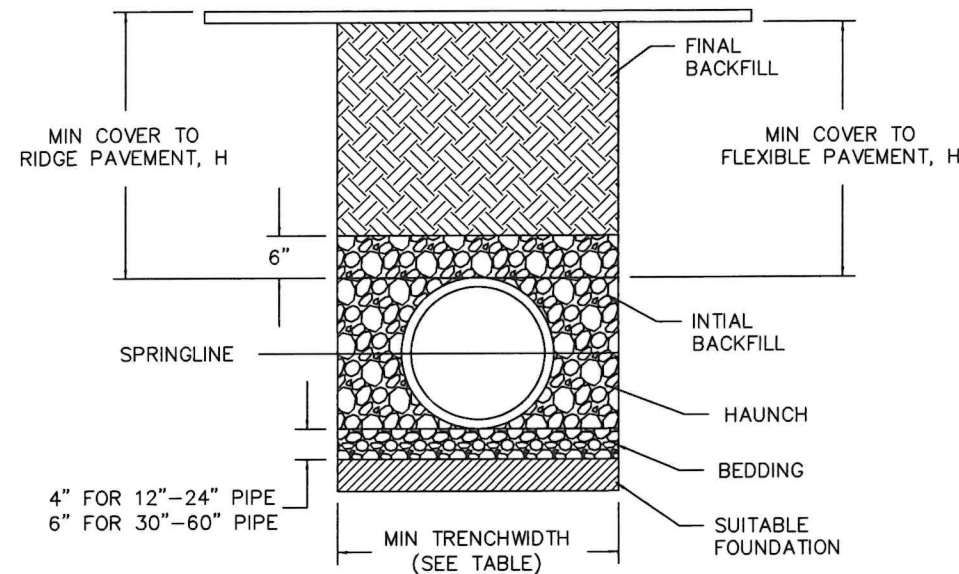
REVISIONS: DESCRIPTION
DATE

Massillon Standard Construction Details
CB-MASS7505, CB-MASS7030 AND CB-MASS7031
City of Massillon
Stark County, Ohio

Massillon
City of Champions

DRAWING NAME: X
CITY NUMBER: X

12/15



RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIAM.	MIN. TRENCH WIDTH
4"	21'
6"	23'
8"	26'
10"	28'
12"	30'
15"	34'
18"	39'
24"	48'
30"	56'
36"	64'
42"	72'

NOTES:

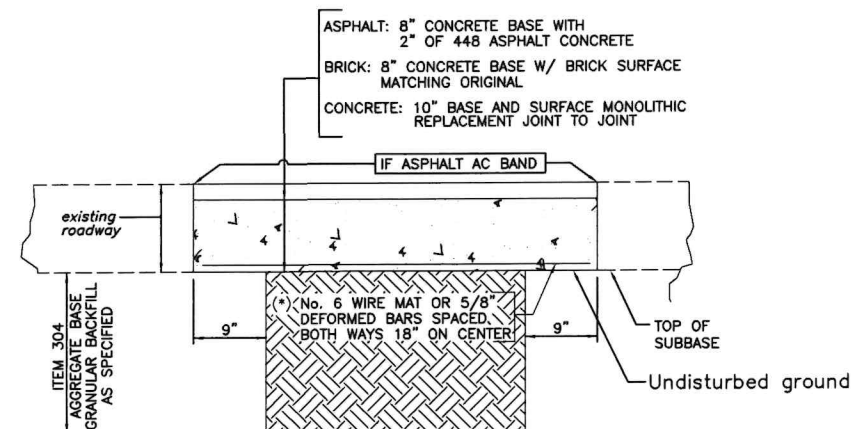
1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE APPLICATION", LATEST ADDITION
2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
3. FOUNDATION: WHERE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III, PER MANUFACTURERS AND ODOT ITEM 611 REQUIREMENTS. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" FOR 4"-24"; 6" FOR 30"-60".
5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO THE GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54" TO 60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIDGE PAVEMENT.

TRENCHING DETAIL FOR PIPE

MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS

PIPE DIAM.	SURFACE LIVE LOADING CONDITION	
	H-25	HEAVY CONSTRUCTION 75T AXLE LOAD
12"-48"	12"	48"
54"-96"	24"	60"

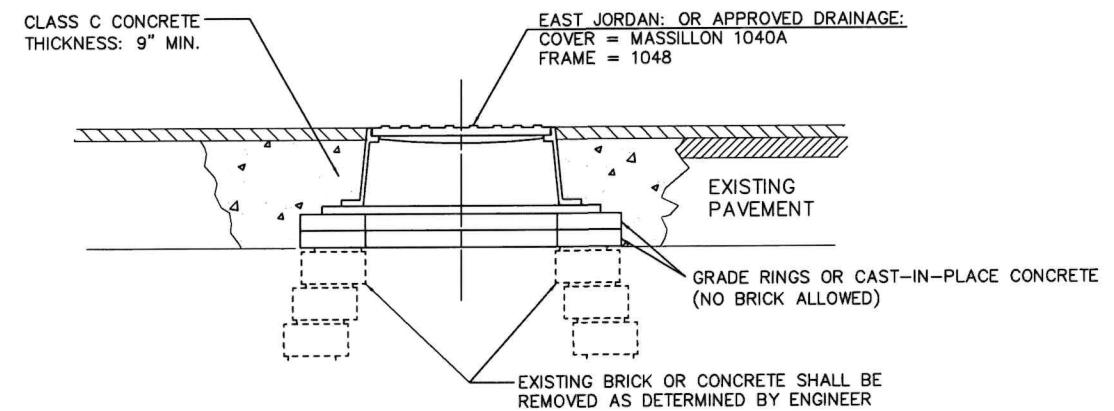
VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITION COVER



NOTES:

- 1) CONCRETE BASE SHALL BE OF 1:2:4, 6 BAG MIX, PORTLAND CEMENT CONCRETE USING HIGH EARLY STRENGTH CEMENT AND IT MUST BE CURED AT LEAST 48 HRS.
- (*) MUST BE USED WHEN WIDTH OF TRENCH IS GREATER THAN 3' AT THE SUBBASE. FIBER CONCRETE BASE MAY BE USED IN LIEU OF THE BARS.

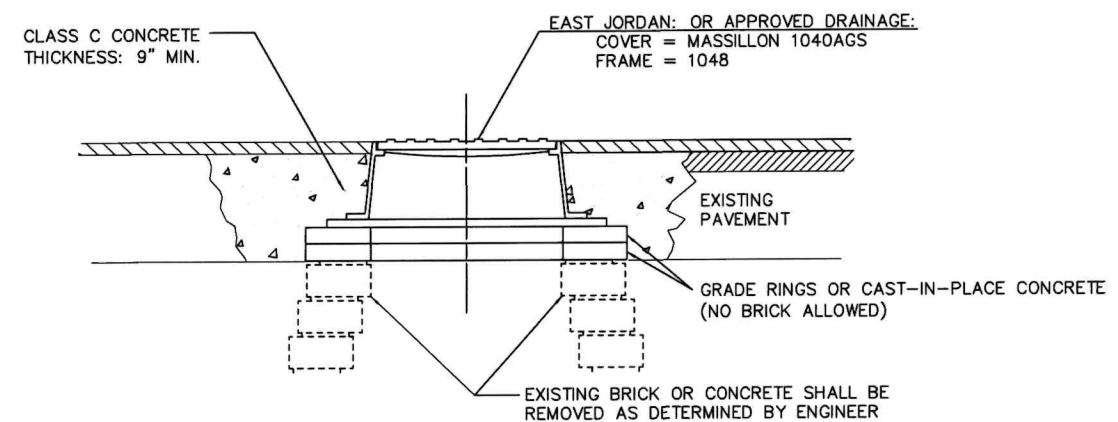
PAVEMENT RESTORATION DETAIL



NOTES:

1. ALL CASTINGS, LIDS AND GRATES ARE TO BE CAREFULLY REMOVED AND STORED BY THE CONTRACTOR FOR SALVAGE BY THE CITY OF MASSILLON.
2. WORK SHALL INCLUDED ALL REMOVAL AND DISPOSAL OF EXISTING.

ITEM 604 DRAINAGE MANHOLE MASS1048-R

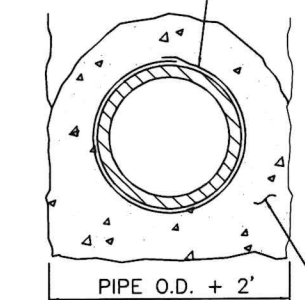


NOTES:

1. ALL CASTINGS, LIDS AND GRATES ARE TO BE CAREFULLY REMOVED AND STORED BY THE CONTRACTOR FOR SALVAGE BY THE CITY OF MASSILLON.
2. WORK SHALL INCLUDED ALL REMOVAL AND DISPOSAL OF EXISTING.

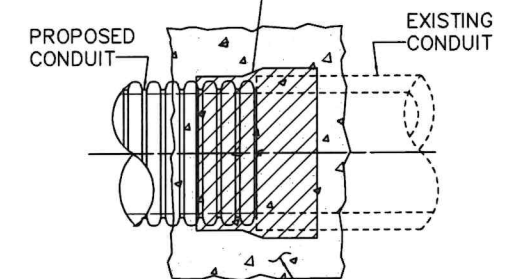
ITEM 604 SANITARY MANHOLE MASS1048-R

NON-WOVEN GEOTXTILE TO BE WRAPPED AROUND CONNECTION



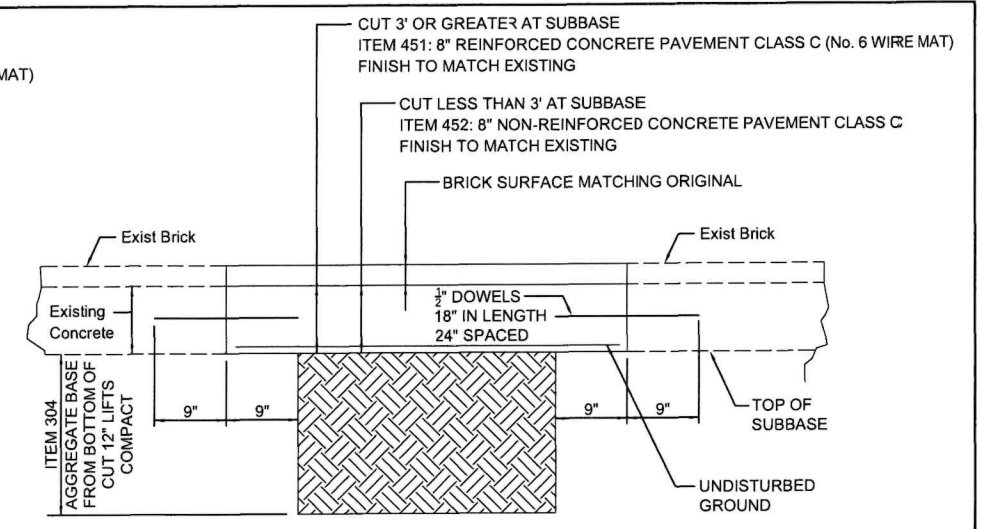
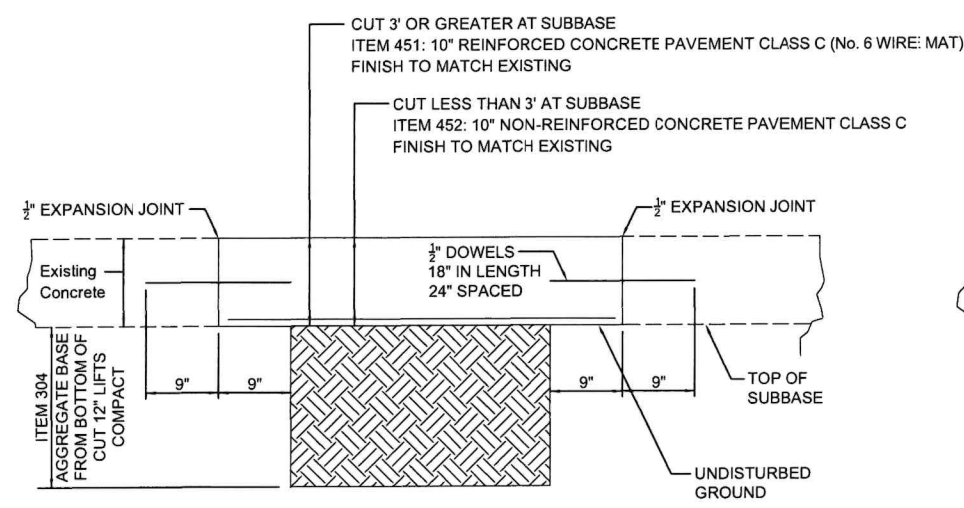
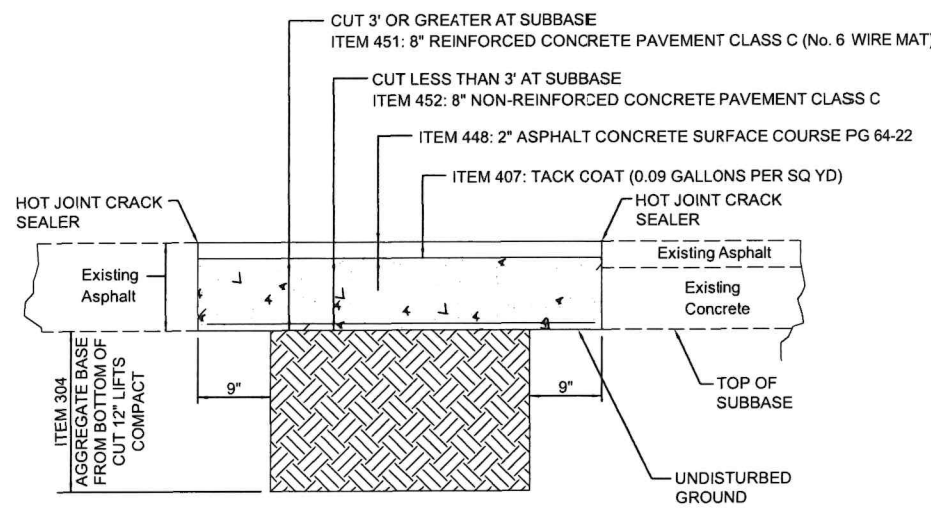
1' MIN. OF CLASS C CONCRETE POURED AROUND CONNECTION

NON-WOVEN GEOTXTILE TO BE WRAPPED AROUND CONNECTION

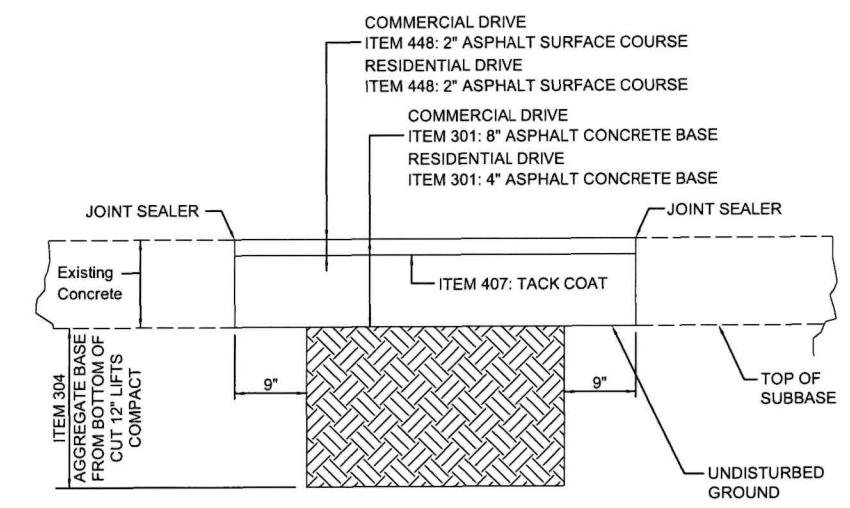
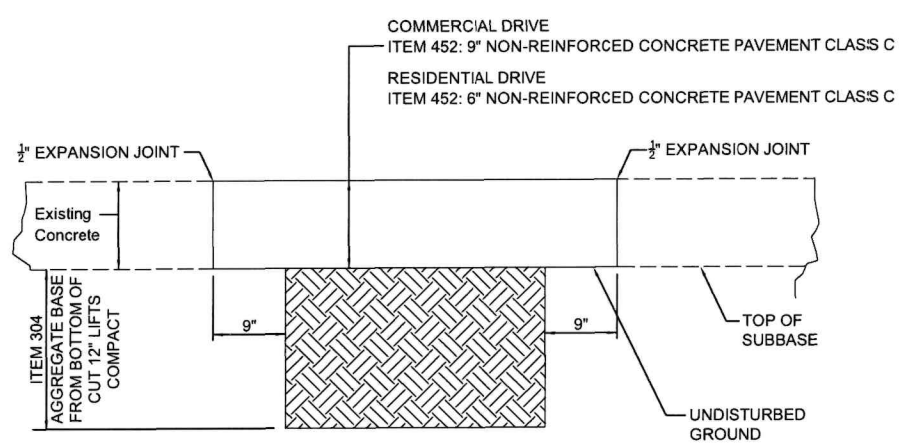
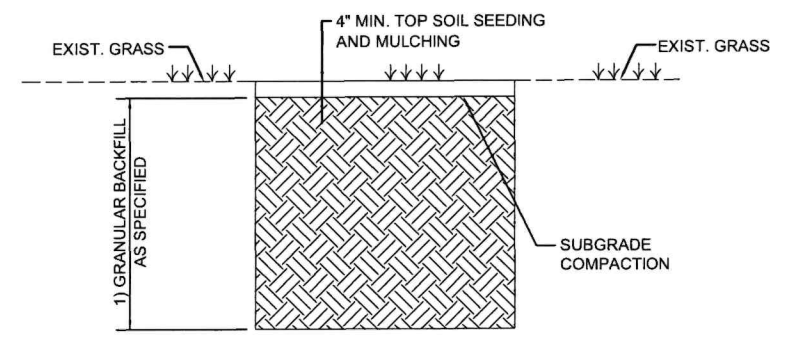


1' MIN. OF CLASS C CONCRETE POURED AROUND CONNECTION

CONCRETE COLLAR



ROADWAY RESTORATION DETAIL

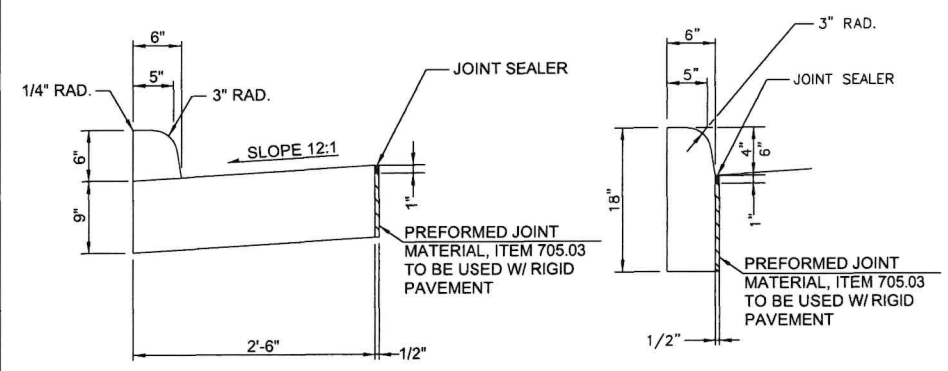


NOTES
1) EXCAVATED MATERIAL MAY BE USED IF FOUND TO BE IN ACCEPTABLE CONDITION AS DETERMINED BY THE CITY ENGINEER.

LAWN RESTORATION DETAIL

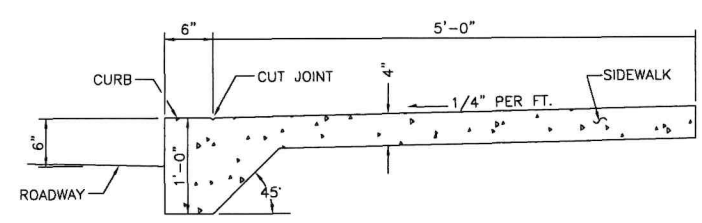
CONCRETE DRIVEWAY RESTORATION DETAIL

ASPHALT DRIVEWAY RESTORATION DETAIL

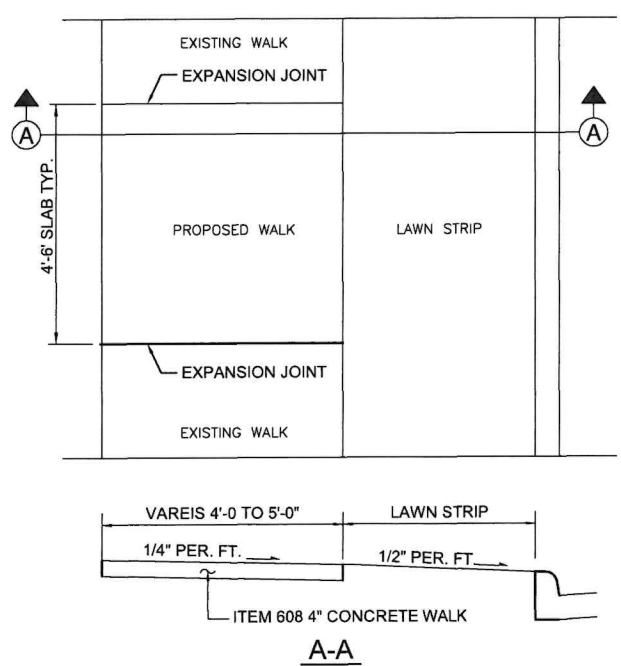


CURB TYPE 2

CURB TYPE 6



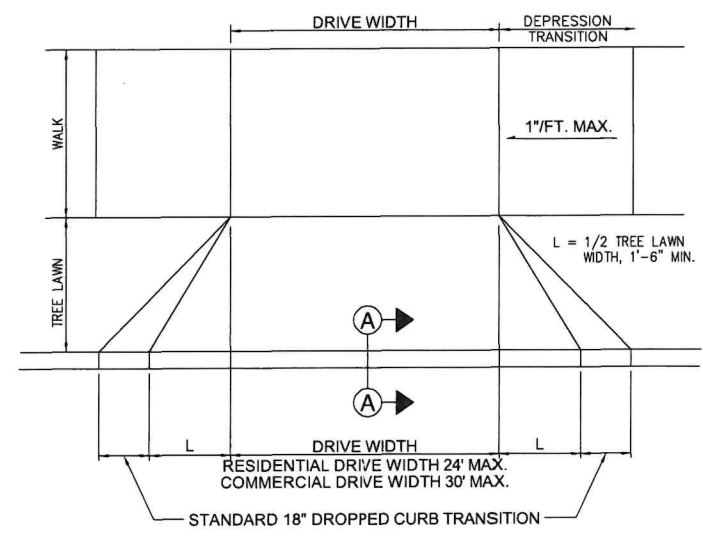
COMBINED CURB & SIDEWALK



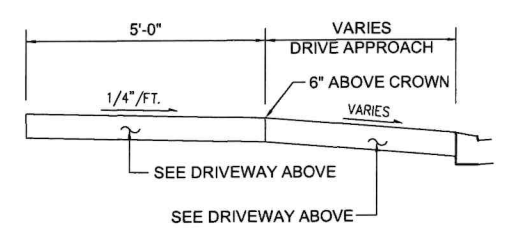
A-A

SIDEWALK

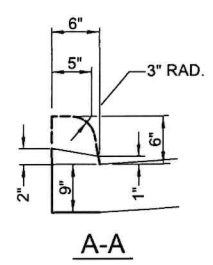
NOTE:
WITH EXISTING CONCRETE WALK, CURB OR DRIVE IS DISTURBED ENTIRE SLAB FROM EXISTING JOINTS SHALL BE REM OVED AND REPLACED UNLESS OTHERWISE DETERMINED BY CITY ENGINEER.



DRIVE PLAN



DRIVE PROFILE



A-A

NOTE
ANY DEVIATION FROM THIS MUST BE APPROVED BY THE CITY ENGINEER.
CONCRETE SHALL BE 4000 PSI CLASS C

DRIVEWAY APPROACH DETAIL

CHECKED BY:

DATE: Nov., 2021

DRAWN BY: FPW

DATE: Nov., 2021

REVISIONS:	DATE	DESCRIPTION

Massillon Standard Construction Details

Pavement Details

City of Massillon

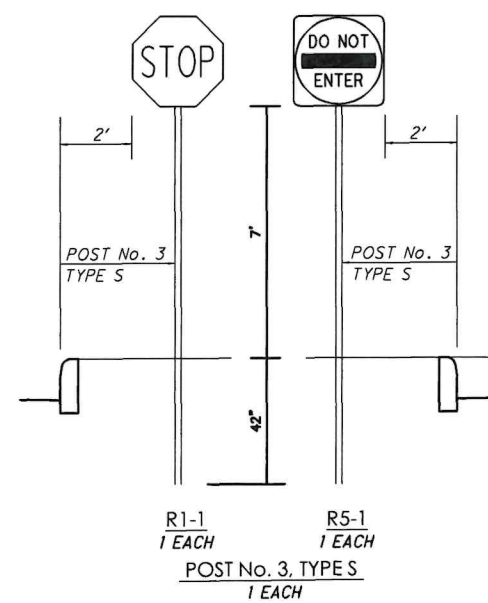
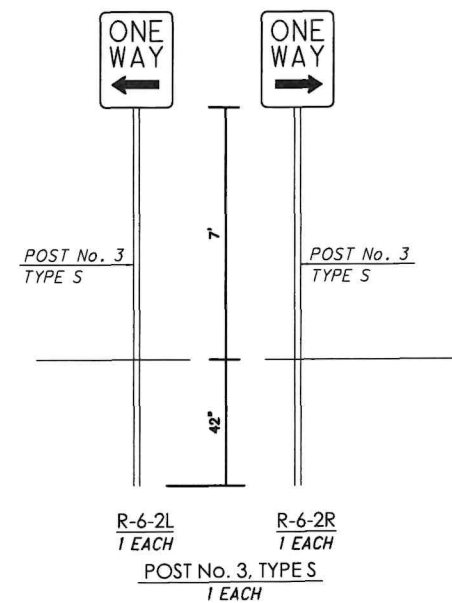
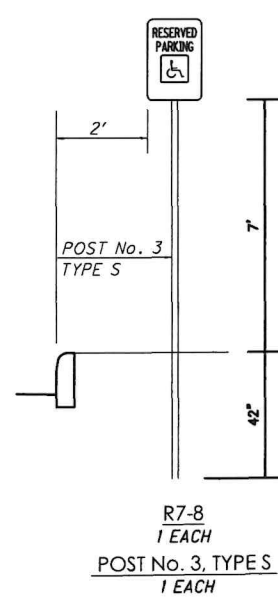
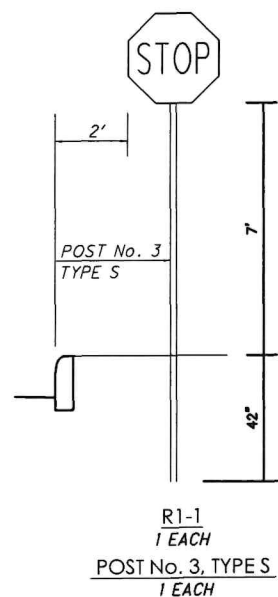
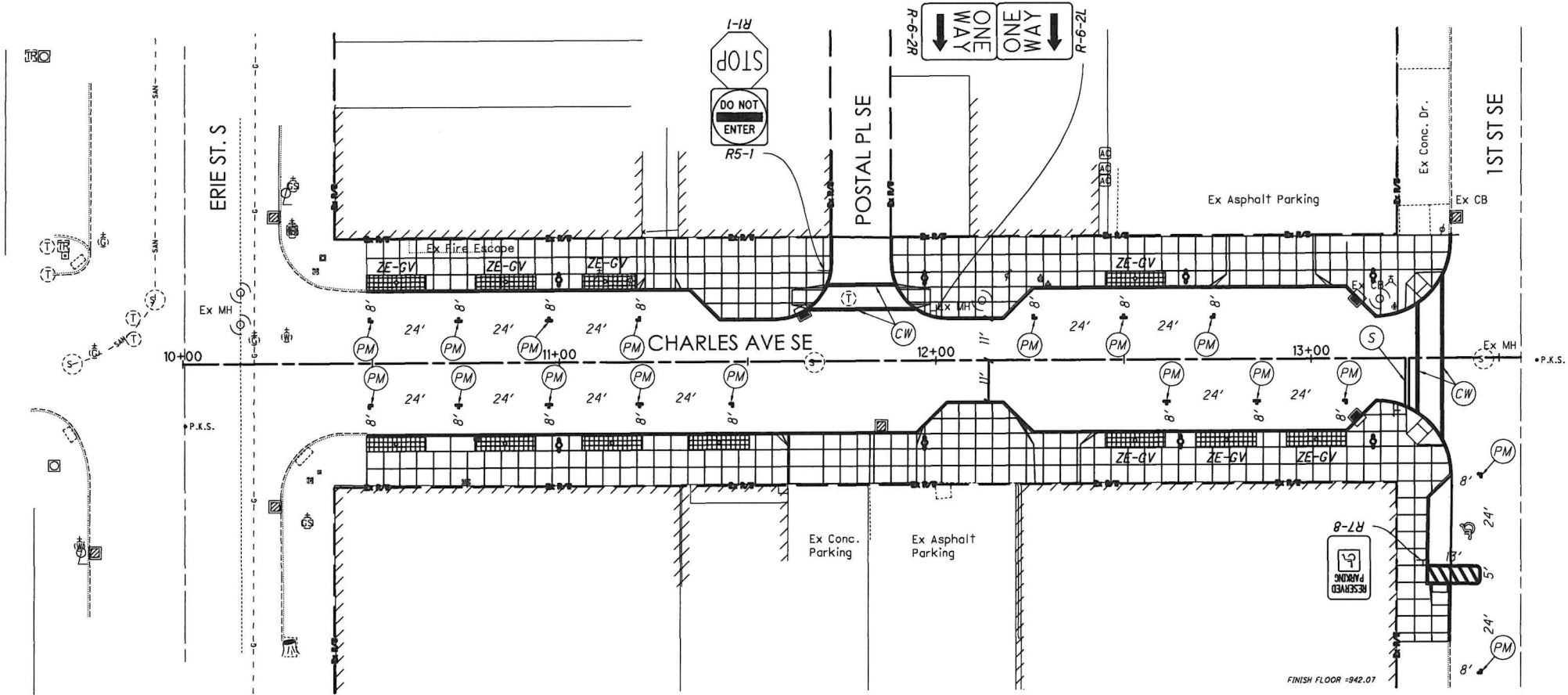
Stark County, Ohio

Massillon
City of Champions

DRAWING NAME: X

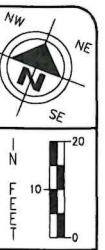
CITY NUMBER: X

14 / 15



LEGEND

- (S) - 12" STOP LINE (WHITE) - 12 L.F.
- (CW) - SOLID WHITE CROSS WALK 6' APART (8") - 116 L.F.
- (PM) - PAVEMENT MARKING, MISC.: ON STREET PARKING STALL - 17 EACH
- (H) - ITEM 643 - HANDICAP MARKING - 1 Each



HORIZONTAL
SCALE IN FEET

CHECKED BY:

DATE: Jan., 2022

DRAWN BY: FPW

DATE: Jan., 2022

REVISIONS:	DESCRIPTION
DATE	

Charles Ave SE Improvement
Signing and Striping Plan
City of Massillon
Stark County, Ohio

Kelby Catzura-Perry, Mayor
Massillon
City of Champions

DRAWING NAME:

X

CITY NUMBER:

X

15 / 15