



City of Cleveland
Justin M. Bibb, Mayor

Department of Finance
Division of Purchases & Supplies
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December 9, 2025

ADDENDUM 1

BID TITLE: File No.168-25 Carnegie Avenue Rehabilitation Phase 3 (E. 9th Street to E. 55th Street)

BID DUE: Wednesday, December 10, 2025 at 12 o'clock noon (Eastern Time)

Attention Bidders:

We have been requested to issue the addendum for the following:

Please ensure that a copy of this addendum is included and returned with the bid specifications furnished to you by this office, as it will have the same force and effect as if it were part of the specifications originally issued.

1. Answer to questions received.

If you have any questions regarding the attached, please contact Purchasing and Supplies at purchasing@clevelandohio.gov. Thank you for your prompt attention and assistance in this matter. Also, please ensure that copy of this addendum is included and returned with the bid specifications furnished to you by this office, as it will have the same force and effect as if it were part of the specifications originally issued.

Signature of Potential Bidder & Name of Company

Today's Date



Thank you,
Donia Patterson, Assistant Administrator
Purchases & Supplies
CC:

ADDENDUM NO. 1
CARNEGIE AVENUE REHABILITATION – EAST 9th TO EAST 55th

1. This addendum includes clouded revisions to the GENERAL NOTES, Shts 13, 15, 16, 19, 20 and 22 of 159 of the Bid Plans.
 - a. On Sht 13, *LEGEND ITEMS* were renamed to correspond with the proper items. Also on Sht 13, the ITEM SPECIAL – BOND FEES qty total has been changed to 1% OF CONSTRUCTION COSTS
 - b. On Sht 15, the ITEM name and NOTE for ITEM 202 – REMOVAL MISC.: POLE FOUNDATION AND/OR VAULT REMOVED, AS PER PLAN has been revised to eliminate references to VAULT REMOVED.
 - c. On Sht 16, a paragraph in the ITEM 608 – 4” OR 6” WALK...note discussing decorative walk was removed.
 - d. On Sht 19, the *ITEM 611 – VAULT/MANHOLE RECONSTRUCTED TO GRADE, AS PER D-38, AS PER PLAN* and ITEM 611 – MANHOLE RECONSTRUCTED TO GRADE, AS PER D-38, AS PER PLAN were renamed. The PAVEMENT RESTORATION note was relocated from Sht 20 to fall within the DRAINAGE section of notes. The ITEM SPECIAL – PIPE CLEANOUT note was removed. Finally, the contingency quantity for the item: ITEM 611 – 24” CONDUIT, TYPE B has been updated to reflect 706.02 materials.
 - e. On Sht 20, the ITEM 255 – FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC1, AS PER PLAN note was updated. Additionally, the quantity for ITEM 304 – AGGREGATE BASE, AS PER PLAN has been revised. Finally, the PAVEMENT REPAIR OPERATIONS note was updated to reflect the appropriate sheet references.
 - f. On Sht 22, the quantities for ITEM SPECIAL – SUBSEQUENT SLUMP AND TEMPERATURE TEST, AS PER D-73, AS PER PLAN and ITEM SPECIAL – SUBSEQUENT AIR CONTENT AND TEMPERATURE TEST, AS PER D-73, AS PER PLAN were increased from 10 to 20 EACH.
2. This addendum includes clouded revisions to the MOT GENERAL NOTES on Sht 25 of 159 of the Bid Plans. The CONSTRUCTION PHASING note, under PHASE 3, a clarification of work during the Winter months is added to require approval of the engineer. This aligns with the WINTER TRAFFIC LIMITATIONS note on Sht 23.

ADDENDUM NO. 1
CARNEGIE AVENUE REHABILITATION – EAST 9th TO EAST 55th

3. The addendum includes clouded revisions to the GENERAL SUMMARY Sht 53 54 and 56 of 159 of the Bid Plans to revise the following:
 - a. On Sht 53, the item name for REF No 13 is revised to eliminate reference to VAULT REMOVAL. Additionally, quantities of ITEM 202 – REMOVAL MISC.: POLE REMOVED (WOOD OR METAL/CONCRETE), AS PER D-18, AS PER PLAN and ITEM 202 – REMOVAL MISC.: POLE FOUNDATION REMOVED, AS PER PLAN to match the General Notes and Plan quantities. Additionally, the item name for REF No 41 has been revised to change the material code to 706.02. Finally, several ITEM 611 quantity names were changes to match the General Notes revisions. This applies to REF No's 48-50.
 - b. On Sht 54, the quantity for ITEM 304 – AGGREGATE BASE, AS PER PLAN has been increased from 128 to 283 CY to match the updated General Notes. Additionally, the item for REF No 87 has been removed.
 - c. On Sht 56, the quantity for REF No. 196 has been removed and the item name has been updated to indicate 1% OF CONSTRUCTION COSTS.
4. The addendum includes clouded revisions to the ROADWAY SUBSUMMARY, Sht 58 of 159, and SUBSUMMARY tables on the PLAN & SUBSUMMARY sheets 63 through 77 and 81 of 159. The item name in the table(s) for ITEM 202 – REMOVAL MISC.: POLE FOUNDATION AND/OR VALUT REMOVED, AS PER PLAN has been revised to eliminate the reference to VAULT REMOVED.
5. The addendum includes clouded revisions to the DRAINAGE SUBSUMMARY, sheets 61 and 62 of 159 of the Bid Plans to revise the ITEM 611 quantity names to match the GENERAL NOTES and GENERAL SUMMARY revisions. No quantity totals were impacted.
6. The addendum includes clouded revisions to the WATER WORK SUBSUMMARY, Sht 153 of 159. The 0 quantity items have been removed from the Subsummary table.

END

NOTE: THIS BID MUST BE SIGNED IN THE SPACE INDICATED. ERASURES MAY INVALIDATE THIS BID.

CITY OF CLEVELAND

BID - UNIT PRICE

To:

The Commissioner of Purchases and Supplies:

BID FOR CARNEGIE AVENUE REHABILITATION PHASE 3 (EAST 9TH STREET TO EAST 55TH STREET)

for the Department of **MAYOR'S OFFICE OF CAPITAL PROJECTS**

The Undersigned certifies that he has carefully examined the Contract Documents as defined in the General Conditions of the Invitation to Bid and has inspected the site of the projected work.

The Undersigned declares that the amount and nature of the work to be done is understood, and that at no time will misunderstanding of the Contract Documents be pleaded.

On the basis of the Contract Documents the Undersigned proposes to furnish all necessary apparatus, machinery, tools and other means of construction, to do all the work and furnish all the materials in the manner specified, to finish the entire project within the time hereinafter proposed, and to accept as full compensation therefor the sum of the various products obtained by multiplying each unit price herein bid for the work or materials, by the quantities thereof incorporated in the completed project as determined by the City.

The Undersigned further proposes to execute the Contract Agreement and to furnish satisfactory bond within five (5) days, excluding Saturdays, Sundays and holidays, after notice of award of contract has been received.

The Undersigned further proposes to begin work as specified in the General Conditions set forth in the Invitation to Bid, and to complete the work at the time fixed by the Director, which is **15 MONTHS FROM THE DATE OF NOTICE TO PROCEED**

The Undersigned understands that the quantities in the following schedule are approximate only, and agrees that the Director reserves the right to increase or diminish, or to omit entirely any of the quantities of items as therein stated without claim for damages for loss of anticipated profit.

SYMBOL LEGEND

PROP. MON. BOX CASTING	Ex. Catch Basin
MON. BOX ADJUSTED TO GRADE	Ex. City CB-1
Ext. Monument Box	Ex. Old Style CB-1
Old. Original Monument Found	Ex. Old Style CB-2 W/Grete
Drill Hole in Mon. Found	ATC City CB-1
Iron Pin Found	ATC Old Style CB-1
Iron Pin Found w/Id cap	ATC Old Style CB-2 W/Grete
P.K. Nail Found	Ex. Trench Drain
P.K. Nail Set	Ex. Storm Manhole
Bench Mark	Combined Sanitary Manhole
Property Line Symbol	Unknown Manhole
Tree	PROP. CATCH BASIN NO. 1
Bush/Shrub	PROP. CATCH BASIN NO. 2
Stump	PROP. CATCH BASIN NO. 3
Ground Light	PROP. MANHOLE
Strand/Anchor Pole	RECONSTRUCTED TO GRADE
Light Pole	MANHOLE ADJ. TO GRADE
Power/Telephone Pole	WATER VALVE ADJ. TO GRADE
Power Pole	WATER METER ADJ. TO GRADE
Utility Pole	WATER METER ADJ. TO GRADE
Guy Wire Anchor	WATER METER ADJ. TO GRADE
Nailbox	WATER METER ADJ. TO GRADE
Traffic Pull Box	WATER METER ADJ. TO GRADE
Traffic Mark Arm	WATER METER ADJ. TO GRADE
Traffic Control Box	WATER METER ADJ. TO GRADE
Sign	WATER METER ADJ. TO GRADE
Rock	WATER METER ADJ. TO GRADE
Fire Hydrant	WATER METER ADJ. TO GRADE
Water Meter Manhole	WATER METER ADJ. TO GRADE
Water Meter	WATER METER ADJ. TO GRADE
Water Valve	WATER METER ADJ. TO GRADE
Gas Serv. Stop Box	WATER METER ADJ. TO GRADE
Gas Serv. Stop Box	WATER METER ADJ. TO GRADE
Gas Valve	WATER METER ADJ. TO GRADE
Gas Test Valve	WATER METER ADJ. TO GRADE
Electric Manhole	WATER METER ADJ. TO GRADE
Electric Vault	WATER METER ADJ. TO GRADE
Telephone Box	WATER METER ADJ. TO GRADE
Telephone Manhole	WATER METER ADJ. TO GRADE
Unknown Valve	WATER METER ADJ. TO GRADE
Unknown Box	WATER METER ADJ. TO GRADE
Trash Can	WATER METER ADJ. TO GRADE
Belord	WATER METER ADJ. TO GRADE

GENERAL

SCOPE OF WORK

THE WORK WITHIN THE LIMITS OF THIS PROJECT INCLUDES THE RECONSTRUCTION OF 1.30 MILES OF CARNEGIE AVE FROM E. 9TH ST. TO E. 55TH ST. ROADWAY IMPROVEMENTS INCLUDE: ASPHALT PAVEMENT REPAIRS, RESURFACING, PARTIAL AND FULL DEPTH PAVEMENT REPAIRS, NEW CURB, SIDEWALK, AND DRIVE APRONS (AS NEEDED), CATCH BASIN, ADA COMPLIANT CURB RAMP (AS NEEDED), NEW WATER MAIN FROM E.9TH TO E.14TH, NEW TRAFFIC SIGNAL, NEW TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS.

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS. THE CONTRACTOR SHALL NOT OPERATE POWER-EQUIPMENT BETWEEN THE HOURS OF 7:00 PM AND 7:00 AM. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY NOISE 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.

DEFINITIONS AND TERMS

WHEREVER THERE APPEARS IN THE STANDARD SPECIFICATIONS (DOOT ITEMIZED CMS), SUPPLEMENTAL SPECIFICATIONS OR PROPOSAL NOTES, THE TERM "THE STATE", DIRECTOR OF TRANSPORTATION, "DEPARTMENT", DISTRICT CONSTRUCTION ENGINEER OR EMPLOYEE OF THE ENGINEER, OR ANY OTHER TERM DESIGNATING ANY REPRESENTATIVE OR EMPLOYEE OF THE ENGINEER, SHALL BE CONSIDERED TO BE THE CITY OF CLEVELAND. THE PURPOSE OF THIS CONTRACT IS TO CONSIDER THE CITY OF CLEVELAND AS THE ENGINEER, THE RESPECTIVE BOARD OFFICER OR EMPLOYEE OF THE CITY OF CLEVELAND, AND WHICHEVER SUCH TERM IS USED AND SPECIFICALLY:

THE STATE SHALL MEAN THE CITY OF CLEVELAND.
THE DISTRICT CONSTRUCTION ENGINEER SHALL MEAN THE CLEVELAND DIVISION OF ENGINEERING AND CONSTRUCTION.
THE DIRECTOR SHALL MEAN THE CITY OF CLEVELAND DIRECTOR, MAYORS OFFICE OF CAPITAL PROJECTS, HIS DEPUTIES OR ANY ENGINEER DESIGNATED AS THE CITY ENGINEER'S REPRESENTATIVE.
DISTRICT CONSTRUCTION SHALL MEAN THE DUTY AUTHORIZED AGENT OR REPRESENTATIVE ENGINEER OF THE CITY OF CLEVELAND DIRECTOR, MAYORS OFFICE OF CAPITAL PROJECTS ACTING WITHIN THE SCOPE OF HIS/HER AUTHORITY FOR THE PURPOSES OF ENGINEER CONSTRUCTION ENGINEERING AND ADMINISTRATION OF THE CONTRACT.
LABORATORY SHALL MEAN THE LABORATORY APPROVED BY THE CITY OF CLEVELAND.

BOUNDARY

THE BOUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS EVEN THOUGH OTHERWISE SHOWN.

GENERAL PROVISIONS

ALL REFERENCES TO THE GENERAL PROVISIONS (SECTION 100) OF THE OHIO DEPARTMENT OF TRANSPORTATION'S CONSTRUCTION SPECIFICATIONS (DOOT CMS) THAT ARE CITED IN THE ITEMIZED SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, NOTES, PLANS OR ELSEWHERE IN THE CONTRACT DOCUMENTS SHALL, FOR THE PURPOSE OF THIS CONTRACT, BE CONSIDERED AND TAKEN AS MEANING THE CITY OF CLEVELAND ENGINEER'S GENERAL PROVISIONS AS CONTAINED IN THE "CITY OF CLEVELAND ENGINEERS SPECIFICATION BOOKLET" AND D-SPECIFICATIONS. THE SUBSECTION NUMBERS AND TOPICS USED IN THE CITY'S GENERAL PROVISIONS CORRESPOND TO THOSE CONTAINED IN THE DOOT CMS.

ALLOWANCES

ALLOWANCES HAVE BEEN INCLUDED IN THE PROJECT FOR COSTS THAT SHALL BE PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL CHARGE AGAINST THE ALLOWANCES AS NEEDED TO PAY FOR THE FOLLOWING: PAYMENT SHALL BE MADE FOR THE ACTUAL COST OF THE MATERIALS AND LABOR. NO ALLOWANCE WILL BE ALLOWED BY THE CONTRACTOR. THE FOLLOWING HAVE BEEN INCLUDED FOR USE ON THIS PROJECT:

ITEM SPECIAL - ENGINEERING AND CONSTRUCTION FORCE ACCOUNT 1	\$250,000.00
ITEM SPECIAL - WATER POLLUTION CONTROL FORCE ACCOUNT	\$50,000.00
ITEM SPECIAL - CLEVELAND WATER DEPARTMENT FORCE ACCOUNT	\$100,000.00
ITEM SPECIAL - BOND FEES	1% OF CONSTRUCTION COSTS

EXISTING TYPICAL SECTIONS

EXISTING TYPICAL SECTIONS HAVE BEEN DEVELOPED FROM PAVEMENT CORES AND RECORD PLANS AND ARE BELIEVED TO REPRESENT THE WIDTH AND COMPOSITION OF THE EXISTING PAVEMENT. THE CITY OF CLEVELAND DOES NOT GUARANTEE THE ACCURACY OF SAME. SIDE ROAD PAVEMENTS THAT ARE NOT SHOWN WILL BE REMOVED AND BE PAID FOR UNDER ITEM 202 PAVEMENT REMOVED, AS PER D-15, AS PER PLAN UNLESS OTHERWISE SPECIFIED.

CONTINGENCY QUANTITIES

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

PROJECT PROGRESS MEETINGS

PROGRESS MEETINGS WILL BE HELD AT LEAST EVERY TWO (2) WEEKS AT THE PROJECT OFFICE OR OTHER LOCATION DESIGNATED BY THE CONSTRUCTION ENGINEER, AND WILL BE ATTENDED BY THE CITY AND THE CONTRACTOR DESIGN-MAKING PERSONNEL.

THE PURPOSE OF THESE MEETINGS IS TO DISCUSS CRITICAL OPERATIONS AND POTENTIAL PROBLEMS. ALSO, THE CONTRACTOR WILL CONFIRM THE NUMBER AND DURATION OF WORK SHIFTS, NUMBER OF WORK CREWS, AND SPECIFIC PORTIONS OF THE WORK TO BE PERFORMED DURING THE FOLLOWING WEEKS.

THESE MEETINGS CAN ONLY BE WAIVED BY THE CONSTRUCTION ENGINEER.

STATIONING AND LOCATIONS

STATIONING AND LOCATIONS INDICATED ON THESE PLANS ARE APPROXIMATE. ALL LOCATIONS AND ITEMS CALLED OUT BY STATION ARE SUBJECT TO ADJUSTMENT IN THE FIELD "AS DIRECTED BY THE ENGINEER" AT NO ADDITIONAL COST.

ELEVATION DATUM

ELEVATIONS SHOWN ARE BASED ON CLEVELAND REGIONAL GEODETIC SURVEY (C.R.G.S.) DATA AND NGVD 29 DATUM. MONUMENTS ARE DESCRIBED ON THE PLANS.

BASE MAPPING

BASE MAPPING BY CHAGRON VALLEY ENGINEERING LTD. WAS COMPLETED IN 2023. CONTRACTOR SHALL VERIFY ALL EXISTING HORIZONTAL AND VERTICAL DIMENSIONS PRIOR TO BEGINNING CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ENGINEER.

CONTRACTOR WORK HOURS

THE DEFAULT CONTRACTOR WORK HOURS SHALL BE AN EIGHT-HOUR DAY, FIVE DAYS A WEEK FOR A MAXIMUM OF 40 HOURS, UNLESS A DIFFERENT WORK SCHEDULE HAS BEEN SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE CITY.

CONTRACTOR SHALL RESTRICT HIS WORKING HOURS TO THOSE PERMITTED BY LOCAL AGENCIES OR ANY OTHER APPLICABLE ORDINANCES, LAWS OR REGULATIONS EXCEPT AS OTHERWISE SPECIFIED. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND REGULATIONS FROM THE APPROPRIATE GOVERNING AUTHORITIES.

SPECIFICATION REFERENCE

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE CITY OF CLEVELAND AND THE OHIO DEPARTMENT OF TRANSPORTATION'S CONSTRUCTION SPECIFICATIONS (DOOT CMS) MAY 1, 2023 EDITION SHALL GOVERN THIS PROJECT. THIS PROJECT SHALL BE CONSIDERED A CAPITAL PROJECT. SPECIFICATIONS, SHOULD A CONFLICT ARISE BETWEEN THESE OR OTHER PROJECT SPECIFICATIONS, THE CITY OF CLEVELAND STANDARDS SHALL TAKE PRECEDENCE.

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 WARNING DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

COOPERATION BETWEEN CONTRACTORS

IT IS ANTICIPATED THAT OTHER CONTRACTORS WILL BE WORKING ON PROJECTS ADJACENT TO OR WITHIN THE LIMITS OF THIS PROJECT, EITHER FOR THE CITY OR FOR OTHER PUBLIC AGENCIES. THE CONTRACTOR SHALL COOPERATE AND COORDINATE HIS OPERATIONS, INCLUDING PROVISIONS FOR THE MAINTENANCE OF TRAFFIC, WITH THE CONTRACTORS OF OTHER PROJECTS THAT MAY BE IN FORCE DURING THE LIFE OF THIS CONTRACT INCLUDING DOOT, CPP, CEI, AT&T, NEORSD AND ENBRIDGE ENERGY.

LOCAL LAWS, ORDINANCES, AND REGULATIONS

IN ACCORDANCE WITH SECTION 107.01 OF THE GENERAL PROVISIONS, THE CONTRACTORS SHALL STAY FULLY INFORMED OF ALL LOCAL LAWS, ORDINANCES, REGULATIONS, ORDERS, AND DECREES THAT AFFECT THE WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBSERVE AND COMPLY WITH ALL SUCH LAWS, ORDINANCES, REGULATIONS, ORDERS, AND DECREES AT NO ADDITIONAL COST TO THE PROJECT.

ITEM SPECIAL - PROJECT SIGNS, AS PER C-11

THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN PROJECT SIGNS ON THE PROJECT THROUGHOUT COMPLETION. THE PROJECT SIGNS SHALL CONFORM TO SECTION C-11 OF THE DOCUMENTS.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY:

ITEM SPECIAL - PROJECT SIGNS, AS PER C-11 2 EACH

ROADWAY (CONT.)

SIDE ROAD PAVEMENT REMOVAL

THE COMPOSITION OF SIDE ROAD PAVEMENTS MAY DIFFER FROM THE TYPICAL SECTIONS. THE COST PER SQUARE YARD FOR ITEM 202 - PAVEMENT REMOVED PER D-15, AS PER PLAN SHALL BE THE SAME AS THE COST PER SQUARE YARD FOR ITEM 202 - PAVEMENT REMOVED PER D-15, AS PER PLAN OR AS DIRECTED IN ACCORDANCE WITH D-15 AND ITEM 202 OR ITEM 203.

ITEM 202 - PAVEMENT REMOVED FOR DRIVES, AS PER D-15, AS PER PLAN

ITEM 202 - WALK REMOVED, AS PER PLAN

ITEM 202 - CURB REMOVED, AS PER PLAN

ALL REMOVAL ITEMS THAT IMPACT PAVEMENT, DRIVES, VAULTS, CURB OR OTHER HARD SURFACES SHALL INCLUDE THE COST FOR REMOVAL OF SUCH MATERIALS AND ANY ADDITIONAL EQUIPMENT, MATERIAL AND LABOR TO PERFORM THE WORK. SAW CUTTING SHALL BE PERFORMED AT THE NEAREST EXISTING JOINT, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

WORK UNDER THESE ITEMS SHALL INCLUDE REMOVAL OF ASPHALT, BRICK, GROUT, GRANITE OR SANDSTONE BLOCK, CONCRETE AND/OR OTHER MATERIALS TO THE TOP OF THE EXISTING CUSHION/ISLAND BASE COURSE. NO SEPARATE PAYMENT WILL BE MADE FOR REMOVAL AT TYPES OF MATERIAL, PAVEMENT CORING REPORTS ARE AVAILABLE TO THE CONTRACTOR AT THE CITY OF CLEVELAND, DIVISIONS OF ENGINEERING AND CONSTRUCTION.

ITEM 202 - CURB REMOVED, AS PER PLAN, SHALL INCLUDE THE REMOVAL OF THE EXISTING ADJACENT UNDERDRAINS. NO SEPARATE PAYMENT WILL BE MADE FOR REMOVAL OF THE LIMITS FOR REMOVAL SHALL BE AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. ALL SAWCUTTING SHALL BE INCLUDED IN THE PERTINENT CURB OR WALK REMOVAL ITEM.

ITEM 202 - PAVEMENT REMOVED FOR DRIVES AS PER D-15, AS PER PLAN SHALL INCLUDE THE REMOVAL OF ALL DRIVEWAY APRONS AND THE PORTION OF THE WALK THE PORTION OF THE APRON AS SHOWN ON THE DRIVEWAY SUBSUMMARY SHEET. RESIDENTIAL DRIVEWAYS CONSIST OF 6" CONCRETE AND COMMERCIAL DRIVEWAYS CONSIST OF 8" CONCRETE.

ITEM 202 - WALK REMOVED, AS PER PLAN, SHALL INCLUDE THE REMOVAL OF ALL SIDEWALK MARKED FOR REMOVAL AS INDICATED ON THE PLANS. SIDEWALKS SHALL BE REMOVED TO THE CORRIDOR. THE CONTRACTOR SHALL ALSO REMOVE THE EXISTING TREE PITS FOUND ALONG THE CORRIDOR. INCLUDE THE REMOVAL OF CONCRETE CURB, GRANITE CURB, LANDSCAPE TIMBER EDGES AND STEEL TREE GRATES. NO ADDITIONAL PAYMENT WILL BE MADE FOR THE REMOVAL OF THE CONCRETE TREE PITS. THE LIMITS FOR REMOVAL SHALL BE AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. ALL STEEL TREE GRATES SHALL BE CAREFULLY REMOVED FOR SALVAGE AS IDENTIFIED ON THE PLANS BY THE CONTRACTOR AND STORED ON SITE IN A LOCATION DESIGNATED BY THE ENGINEER FOR REMOVAL BY THE CITY.

ITEM 203 - ROADWAY MISC.: BACKFILL MATERIAL - FLOWABLE FILL, AS PER D-31

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

ITEM 203 - ROADWAY MISC.: BACKFILL MATERIAL

FLOWABLE FILL, AS PER D-31

50 CU. YD.

REMOVAL OF EXISTING UTILITY POLES

PRIOR TO THE START OF THE PROJECT, THE LOCAL ELECTRIC COMPANIES HAVE SCHEDULED THE REPLACEMENT OF A FEW OF THEIR RESPECTIVE UTILITY POLES, WHICH ARE IN POOR CONDITION. IN ADDITION, ALL EXISTING WOOD, METAL AND CONCRETE POLES WHICH ARE ABANDONED OR ARE IN CONFLICT WITH THE PROPOSED WORK WILL ALSO BE REMOVED DURING CONSTRUCTION.

ITEM 202 - REMOVAL MISC.: POLE REMOVED (WOOD OR METAL/CONCRETE), AS PER D-16, AS PER PLAN

WORK PERFORMED UNDER THIS ITEM SHALL INCLUDE THE REMOVAL AND DISPOSAL OF THE EXISTING ABANDONED POLES AS SHOWN ON THE DRAWINGS OR AS DESIGNATED BY THE ENGINEER, IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF ITEM 202.

ALL POLE FOUNDATIONS ENCOUNTERED SHALL BE REMOVED AS PART OF THE APPLICABLE POLE REMOVAL. REMOVAL OF THE POLE FOUNDATION SHALL CONFORM TO ITEM 202 - POLE FOUNDATION REMOVED (WOOD OR METAL/CONCRETE), AS PER D-16, AS PER PLAN. THE CONTRACTOR SHALL NOT REMOVE ANY POLE UNTIL THE UTILITY COMPANY HAS MOVED THEIR UTILITIES OFF THIS POLE.

PAYMENT WILL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS FOR THE REMOVAL OF THE POLES, FOUNDATIONS, SWEEPS BOLTS, BACKFILL, AND ALL APPURTENANCES ABOVE AND BELOW GRADE ASSOCIATED WITH THIS ITEM TO COMPLETE THE REMOVAL OF THIS ITEM. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

ITEM 202 - REMOVAL MISC.: POLE REMOVED (WOOD OR METAL/CONCRETE),

AS PER D-16, AS PER PLAN

5 EACH

ITEM 202 - REMOVAL MISC.: POLE FOUNDATION REMOVED, AS PER PLAN

WORK PERFORMED UNDER THIS ITEM SHALL CONFORM TO THE APPLICABLE PROVISIONS OF ITEM 202. EXISTING POLE FOUNDATIONS DESIGNATED FOR REMOVAL SHALL BE REMOVED TO A MINIMUM OF ONE (1) FOOT BELOW THE FINISHED SUBGRADE OR GROUND SURFACE AND DISPOSED OF BY THE CONTRACTOR. THE REMAINING CAVITY SHALL BE BACKFILLED AS REQUIRED.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

ITEM 202 - REMOVAL MISC.: POLE FOUNDATION REMOVED, AS PER PLAN

1 EACH.

ITEM 204 - PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING, USE AS DIRECTED BY THE ENGINEER.

ITEM 204 - PROOF ROLLING

7 HR.

LINEAR GRADING, AS PER D-20, AS PER PLAN

THIS ITEM OF WORK SHALL BE PERFORMED AS PER 0001 ITEM 209, LINEAR GRADING, EXCEPT AS MODIFIED HEREIN:

1. THE CONTRACTOR SHALL REMOVE ALL EXCESS MATERIAL SO THAT THE GROUND ELEVATION IS ONE QUARTER OF ONE INCH (1/4") BELOW THE ELEVATION OF A THEORETICAL PLANE PROJECTED FROM THE TOP OF THE EXISTING SIDEWALK TO THE TOP OF THE EXISTING CURB.

2. THE CONTRACTOR SHALL REMOVE ALL EXCESS MATERIAL SO THAT THE GROUND ELEVATION IS ONE QUARTER OF ONE INCH (1/4") BELOW THE ELEVATION OF A THEORETICAL PLANE PROJECTED FROM THE TOP OF THE EXISTING SIDEWALK FOLLOWING THE NATURAL CONTOUR OF THE EXISTING GROUND.

3. PAYMENT FOR THIS ITEM OF WORK SHALL BE PER LINEAL FOOT AS MEASURED ALONG THE CENTERLINE OF THE SIDEWALK. MEASUREMENT SHALL BE MADE FROM THE CURB AND SIDEWALK AND THE AREA BEHIND THE SIDEWALK.

PAYMENT FOR ALL LABOR, EQUIPMENT AND INCIDENTAL COSTS NECESSARY TO COMPLETE THIS ITEM OF WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID. DISPOSAL OF MATERIALS DEEMED UNFIT FOR REUSE BY THE ENGINEER AND ADDITIONAL OR EXCESS MATERIALS SHALL BE THE RESPONSIBILITY OF THE SOURCE, SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID.

ITEM 623 - CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN, AS PER D-47

WORK UNDER THIS ITEM SHALL BE PERFORMED IN ACCORDANCE WITH 0001 C&S SECTION 623, AND SHALL ALSO INCLUDE THE FOLLOWING:

- CONTRACTOR SHALL PLACE LAYOUT STAKES AND PROVIDE SURVEYING TO HELP EVALUATE AND ESTABLISH THE ACCEPTABLE ROADWAY CROWN BASED ON CONDITIONS ENCOUNTERED IN THE FIELD.
- CONTRACTOR SHALL FURNISH DIMENSIONS, MEASUREMENT, SKETCHES, ETC. NECESSARY TO DETERMINE PAY QUANTITIES. THIS WILL MAINLY APPLY TO CHANGE ORDERS, QUANTITIES TO BE USED AS DIRECTED AND DISPUTED PAYMENT QUANTITIES.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SURVEYING, CALCULATIONS AND/OR LAYOUT NOT FURNISHED IN THE BID DOCUMENTS TO COMPLY WITH THE ENGINEER'S DIRECTION. CONTRACTOR SHALL PROVIDE CUT SHEETS, TEMPORARY BENCH MARKS, AND LAYOUT (INCLUDING STATIONING AND HUBS) AS DIRECTED BY THE ENGINEER OR HIS REPRESENTATIVE. ALL STATIONING AND REFERENCE

MARKS SHALL BE MAINTAINED AS DIRECTED BY THE ENGINEER OR HIS REPRESENTATIVE. THE CONTRACTOR SHALL USE COMPETENT PERSONNEL AND SUITABLE EQUIPMENT FOR THE LAYOUT WORK REQUIRED AND SHALL PROVIDE THAT IT BE DONE UNDER THE SUPERVISION OF A REGISTERED SURVEYOR, LICENSED TO PRACTICE IN THE STATE OF OHIO.

E. CONTRACTOR SHALL VERIFY ALL EXISTING HORIZONTAL AND VERTICAL DIMENSIONS INCLUDING BENCHMARKS, HORIZONTAL CONTROL AND MONUMENT BOX THREE POINT REFERENCES PRIOR TO BEGINNING CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ENGINEER.

F. THE CONTRACTOR SHALL REFERENCE ALL EXISTING ROADWAY AND RIGHT OF WAY MONUMENTS WITHIN THE CONSTRUCTION LIMITS TO POINTS AND/OR PERMANENT STRUCTURES OUTSIDE OF THE CONSTRUCTION LIMITS, SO AS TO BE ABLE TO RELOCATE THE MONUMENTS TO REPLACE THE POINT, NO LESS THAN THREE SUCH REFERENCES PER MONUMENT. WHERE THE PLANS DO NOT PROVIDE OR WHERE THE PLANS PROVIDE REFERENCES WILL BE DOCUMENTED AND GIVEN TO THE CITY OF CLEVELAND SURVEY DEPARTMENT. THE REPLACEMENT OF DISTURBED OR DESTROYED MONUMENTS WILL BE PERFORMED BY THE CITY OF CLEVELAND SURVEY DEPARTMENT. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE ABOVE DOCUMENTATION AND CARE OF THE FIELD BOOK.

G. BENCHMARKS PROVIDED ON THE PLAN SHEETS ARE TO BE USED BY THE CONTRACTOR FOR INITIAL PROJECT CONTROL, SET UP ONLY. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL SET ADDITIONAL BENCHMARKS THAT WILL NOT BE DISTURBED DURING CONSTRUCTION ACTIVITIES AND THAT WILL SUBSEQUENTLY BE USED FOR SURVEYING AND STAKING ACTIVITIES. NO ADDITIONAL PAYMENT WILL BE MADE FOR THE SETTING OF ADDITIONAL BENCHMARKS.

PAYMENT FOR THE ABOVE WORK SHALL BE INCLUDED IN THE LUMP SUM BID PRICE OF ITEM 623 - CONSTRUCTION LAYOUT STAKES, AS PER PLAN, AS PER D-47. LUMP

ITEM 690 - SPECIAL MISC.: MANHOLE/VAULT ADJUSTING, RECONSTRUCTED OR REPLACED TO GRADE

THE FOLLOWING CONTINGENCY QUANTITIES ARE TO BE USED FOR STREET CASTINGS AS DIRECTED BY THE ENGINEER WITHIN THE CARNEGIE AVENUE RESURFACING LIMITS.

ITEM 690 - SPECIAL MISC.: MANHOLE/VAULT ADJUSTING TO GRADE, 2 EACH

AS PER D-38 (OPP)

ITEM 690 - SPECIAL MISC.: MANHOLE/VAULT RECONSTRUCT TO GRADE (OPP) 1 EACH

ITEM 690 - SPECIAL MISC.: MANHOLE/VAULT REPLACEMENT (OPP) 1 EACH

LIGHTING

ITEM 625 - PULL BOX MISC.: PULL BOX ADJUSTING GRADE (OPP)

THE FOLLOWING CONTINGENCY QUANTITIES ARE TO BE USED FOR STREET LIGHTING PULL BOX AS DIRECTED BY THE ENGINEER WITHIN THE CARNEGIE AVENUE RESURFACING LIMITS.

ITEM 625 - PULL BOX MISC.: PULL BOX ADJUSTED TO GRADE (OPP) 1 EACH

WATER SUPPLY

WATER WILL BE SUPPLIED TO THE CONTRACTOR AT THE NEAREST HYDRANT. THE COST OF THE WATER SUPPLY SHALL BE BORNE BY THE CONTRACTOR. THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMIT FROM THE CITY OF CLEVELAND WATER DEPARTMENT.

THE CONTRACTOR WILL BE REQUIRED TO PROVIDE APPROVED STANDARD TIGHT HOSE AND FITTINGS WITH WHICH TO MAKE CONNECTIONS TO HYDRANTS AND OUTLETS. NO IMPROPER, WASTEFUL OR UNDOE USE OF WATER WILL BE PERMITTED.

WHERE THE WALK REQUIRED REPLACEMENT DUE TO ADJACENT CURB HEIGHT ADJUSTMENTS, THE FOLLOWING CONTINGENCY QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER SHOULD ADDITIONAL REPLACEMENT BE REQUIRED DUE TO CONDITIONS OBSERVED IN THE FIELD OR TO PROVIDE THE AFOREMENTIONED POSITIVE DRAINAGE.

THE COST OF THE MATERIAL AND LABOR ASSOCIATED WITH THE ABOVE WORK IS INCLUDED IN THE CONTRACT UNIT BID PRICE FOR ITEM 608 - 4" OR 6" CONCRETE WALK, AS PER PLAN, AS PER D-23 AND D-24.

ITEM 608 - 4" CONCRETE WALK, AS PER D-23, D-24, AS PER PLAN 50 SQ. FT.
ITEM 608 - 6" CONCRETE WALK, AS PER D-23, D-24, AS PER PLAN 500 SQ. FT.

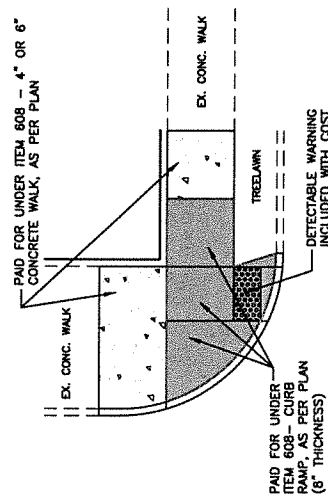
ITEM 608 - CURB RAMP, AS PER PLAN, AS PER D-23

UNDER THIS PAY ITEM, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT AND CONSTRUCTING AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANT CURB RAMPS AND LANDINGS THAT CONFORM TO THE CITY OF CLEVELAND RAMP STANDARD DRAWINGS, TYPE 1 THROUGH TYPE 11. SHALL BE USED AS A BASE FOR CONSTRUCTION OF THE CURB RAMP. THE CURB RAMP TYPE IS SUBJECT TO ADJUSTMENT AND/OR CHANGED DUE TO FIELD CONDITIONS AND SHALL BE DETERMINED IN THE FIELD BASED ON BEST FIT TO FIELD CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING TYPE OF CURB RAMP TYPE IS SHOWN IN THE PLANS. NO ADDITIONAL PAYMENT SHALL BE MADE IF THE CURB RAMP TYPE IS CHANGED OR FOR FIELD ADJUSTMENTS NECESSARY FOR COMPLETE INSTALLATION OF THE RAMP.

ANY NEWLY CONSTRUCTED CURB RAMP NOT MEETING ADA REQUIREMENTS WILL BE REMOVED AND REPLACED BY THE CONTRACTOR, AT THEIR COST, TO SATISFACTION OF THE CITY. PAYMENT SHALL BE MEASURED PER EACH CORNER FOR CURB RAMP AREAS AS INDICATED ON CITY OF CLEVELAND CURB RAMP STANDARD DRAWINGS, TYPE 1 THROUGH 11. THE CURB RAMP PAY LIMITS DETAIL BELOW, AND AS INDICATED ON THE PLANS SHEETS.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO CONSTRUCT THE NEW CURB RAMP, COMPLETE IN PLACE. WHEN EXISTING CURB RAMP/SIDEWALK REMOVALS SURVEYING, CONSTRUCTION, LAYOUT, AND CONCRETE REPLACEMENT OF 2" SCREENINGS BED, PLACEMENT OF SIDEWALK AND CURB CONCRETE FOR NEW CURB RAMP, AND PLACEMENT OF NEW DETECTABLE WARNING WITHIN THE PROPOSED RAMP AREAS, ALL SAWCUTTING, APPURTENANCES, AND OTHER WORK NECESSARY FOR THE COMPLETE INSTALLATION OF THE RAMP IS CONSIDERED INCIDENTAL TO THIS ITEM. ALL TOPSOIL, SEEDING, AND MULCHING REQUIRED ADJACENT TO THE CURB RAMP SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. SEEDING MIX SHALL CONFORM TO 000T CMS 695.08 HIGH QUALITY SEEDS, CLASS 1.

CURB RAMPS AT INTERSECTIONS CORNERS AND AT MIDBLOCK/T-INTERSECTION LOCATIONS ARE SHOWN ON THE PLANS FOR ESTIMATING PURPOSES. WORK BEYOND THE LIMITS OF THE CURB RAMP AREA SHALL BE PAID UNDER SEPARATE PAY ITEMS.



CURB RAMP LIMITS DETAIL
NOT TO SCALE

ITEM 608 - 4" OR 6" CONCRETE WALK, AS PER D-23, D-24, AS PER PLAN
IN ADDITION TO THE REQUIREMENTS OF ITEM 608, D-23 AND D-24 THE FOLLOWING SHALL APPLY:

THIS ITEM IS INTENDED FOR USE AS DIRECTED BY THE ENGINEER, TO REMOVE AND REPAIR, OR TO REPAIR, SIDEWALK AND TO CORRECT TRIPPING HAZARDS. AREAS WHERE THE SIDEWALK IS ADJACENT TO A CURB RAMP, THE SIDEWALK SHALL BE ADJACENT TO INTERSECTION CORNERS WHERE NEWLY ADJ. CURB RAMPS ARE INSTALLED. SPECIFIC LOCATIONS ARE NOT SHOWN IN THE PLANS, BUT AN ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER FOR THIS PURPOSE.

ALL RESIDENTIAL CONCRETE SHALL BE MINIMUM OF 4" AND HAVE A 2" COMPACTED SCREENING BED WHICH MEETS THE REQUIREMENTS OF 703.10 (LIMITED TO CRUSHED STONE). THE COST OF ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO SAWCUT, REMOVE EXISTING WALK, EXCAVATE, PLACE AND COMPACT SCREENINGS BED, LAYOUT AND FORM WORK, AND PLACEMENT OF NEW CONCRETE WALK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR ITEM 608 - 4" CONCRETE WALK, AS PER PLAN, AS PER D-23 AND D-24.

ALL COMMERCIAL CONCRETE SHALL BE MINIMUM OF 6" AND HAVE A 2" COMPACTED SCREENING BED WHICH MEETS THE REQUIREMENTS OF 703.10 (LIMITED TO CRUSHED STONE). THE COST OF ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO CRUSH, REMOVE EXISTING WALK, EXCAVATE, PLACE, AND COMPACT SCREENINGS BED, LAYOUT AND FORM WORK, AND PLACEMENT OF NEW CONCRETE WALK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR ITEM 608 - 6" CONCRETE WALK, AS PER PLAN, AS PER D-23 AND D-24.

WHERE TREE ROOTS ARE ENCOUNTERED ALONG THE CORRIDOR THAT PROHIBIT THE CONTRACTOR FROM INSTALLING THE WALK IN THE SPECIFIED LOCATION THE CONTRACTOR SHALL PRUNE THE ROOTS AWAY FROM THE WALK LIMITS AS DIRECTED BY THE REGISTERED CONSULTING ARBORIST (RCA) TO ACT AS THE PROJECT ARBORIST (PA) AND REPORT TO URBAN FORESTRY MANAGER AND AS DESCRIBED IN THE "ROOT PRUNING" CITY OF CLEVELAND SPECIFICATION D-71.

PRIOR TO BEGINNING SIDEWALK REMOVAL, THE CONTRACTOR SHALL NOTIFY THE CITY OF CLEVELAND URBAN FORESTRY DEPARTMENT AT 216-864-3104 ONE WEEK IN ADVANCE OF ANTICIPATED SIDEWALK REPLACEMENT. DURING SIDEWALK REPLACEMENT, THE PROJECT ARBORIST HIRED BY THE CONTRACTOR AND THE CITY OF CLEVELAND'S URBAN FORESTRY MANAGER (UFM), JENNIFER KIPP (MOBILE: 216-857-1741), WILL INSPECT THE ROOTS AFTER THE SIDEWALK PANELS ARE LIFTED. RECOMMENDATIONS MUST BE MADE BY THE PROJECT ARBORIST AND APPROVED BY THE UFM AS TO WHETHER ROOTS CAN BE CUT, IF SIDEWALK TREE BUMPOUTS, PER CITY OF CLEVELAND STANDARD DRAWING TP 1, SHOULD BE IMPLEMENTED IF TREE REMOVAL IS ADVISABLE, OR IF AN ALTERNATIVE ACTION SHALL BE TAKEN TO PROTECT THE TREE. ALL ROOT PRUNING OPERATIONS WILL BE SUBJECT TO INSPECTION, SUPERVISION, AND APPROVAL BY THE UFM. NO ADDITIONAL PAYMENT WILL BE MADE FOR WORK ASSOCIATED WITH TREE ROOT PRUNING, TREE TRIMMING, SIDEWALK TREE BUMPOUTS, OR OTHER METHODS RECOMMENDED TO PROTECT THE TREE.

PER 608.03(C), IT IS REQUIRED THAT 1/2 INCH THICK EXPANSION JOINT MATERIAL (705.03) BE INSTALLED BETWEEN THE WALK AND BACK OF CURB OR ANY OTHER FIXED OBJECT. IN ADDITION TO THE LOCATIONS SPECIFIED UNDER 608.03(C), TRANSVERSE EXPANSION JOINTS SHALL BE CONSTRUCTED AT INTERVALS OF NOT MORE THAN 25 TO 30 FEET UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE EXPANSION JOINT FILLER (705.03) SHALL BE PLACED AT THE TRANSVERSE EXPANSION JOINTS FOR THE FULL DEPTH/AMOUNT OF THE CONCRETE WALK AND SHALL BE TRULY NORMAL TO GRADE. THE TOP 1/2 INCH OF THE EXPANSION JOINT PLACED BETWEEN THE WALK AND BACK OF CURB SHALL BE SEALED WITH 705.04 JOINT SEALER.

UNLESS OTHERWISE REQUIRED BY MUNICIPAL STANDARDS/ORDINANCES, THE FINAL SURFACE SHALL BE TEXTURED BY USE OF AN ACCEPTED BROOM SO AS TO PRODUCE A UNIFORM, GRITTY, TRANSVERSE TEXTURE, AFTER WHICH, THE CONTRACTOR IS REQUIRED TO RETRACT THE PREVIOUSLY FORMED JOINTS AND OUTSIDE EDGES OF THE WALK. (I.E. PICTURE FRAME).

TOPSOIL, SEEDING AND MULCHING REQUIRED ADJACENT TO THE SIDEWALK OR CURB CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. SEEDING MIX SHALL CONFORM TO 000T CMS 695.08 HIGH QUALITY SEEDS, CLASS 1.

SIDEWALK REPLACEMENT (ADJACENT TO CURB)
WHERE SIDEWALK (ADJACENT TO CURB) IS INDICATED FOR REPLACEMENT ON THE PLANS, THE WALK SHALL BE REPLACED TO THE WIDTH NECESSARY TO PROVIDE FOR POSITIVE (I.E., TOWARD THE ROADWAY) DRAINAGE AT A SLOPE OF 0.01' FT./FT. OR GREATER. AT A MINIMUM, WALK SHALL BE REPLACED TO THE FIRST EXISTING JOINT AND IN NO INSTANCE SHALL THE REPLACEMENT WIDTH BE LESS THAN 5'-0" AS MEASURED FROM THE BACK OF CURB. THE REPLACEMENT LIMITS SHOWN ON THE PLANS REPRESENT AREAS WHERE THE EXISTING WALK CONDITION WAS SUBSTANTIAL OR

ROADWAY (CONT.)
MONUMENT ASSEMBLY, AS PER D-40, AS PER PLAN

WHERE EXISTING MONUMENT BOXES ARE TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXISTING MONUMENT ASSEMBLY AND REPLACE IT WITH A CITY OF CLEVELAND MONUMENT ASSEMBLY. PAYMENT FOR THE ABOVE SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR ITEM 623 - MONUMENT ASSEMBLY, AS PER PLAN, AS PER D-40.

CARE AND PROTECTIVE MEASURES SHALL BE EMPLOYED BY THE CONTRACTOR TO AVOID DAMAGE OR DISPLACEMENT OF THE EXISTING MONUMENT DURING THE MONUMENT BOX REMOVAL AND REPLACEMENT OPERATION AND ALL OTHER OPERATIONS IN THE PROXIMITY. WHERE PAVEMENT REMOVAL IS NECESSARY ADJACENT TO A MONUMENT BOX, SAW-CUTTING OF THE ADJACENT PAVEMENT WILL BE REQUIRED TO HELP PRESERVE THE MONUMENT. THOSE EXISTING CLEVELAND REGIONAL GEODETIC SURVEY (C.R.G.S.) MONUMENT ASSEMBLIES DISPLACED OR DAMAGED DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPLACED WITH C.R.G.S. MONUMENT ASSEMBLY UNDER THE SUPERVISION OF A PROFESSIONAL SURVEYOR LICENSED TO PRACTICE IN THE STATE OF OHIO.

THOSE EXISTING CITY OF CLEVELAND ASSEMBLIES DISPLACED OR DAMAGED DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPLACED WITH A CITY OF CLEVELAND ASSEMBLY UNDER THE SUPERVISION OF OHIO LICENSED SURVEYOR. ALL WORK WILL BE AT THE CONTRACTOR'S EXPENSE.

THE FOLLOWING CONTINGENCY QUANTITY HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE ABOVE NOTED WORK:

ITEM 623 - MONUMENT ASSEMBLY, AS PER D-40, AS PER PLAN 2 EACH

ITEM 623 - MONUMENT ASSEMBLY ADJUSTED TO GRADE, AS PER D-41, AS PER PLAN

WHERE MONUMENT BOXES ARE BOTH SUITABLE FOR RE-USE AND CONFORM TO CITY OF CLEVELAND STANDARD DRAWING MB-1C, THEY SHALL BE ADJUSTED TO GRADE AS REQUIRED AND SPECIFIED. SUCH ADJUSTMENTS SHALL BE PERFORMED BY THE CONTRACTOR'S USE OF COMPETENT PERSONNEL AND SUITABLE EQUIPMENT WITH SAID WORK DONE UNDER THE SUPERVISION OF A PROFESSIONAL SURVEYOR, LICENSED TO PRACTICE IN THE STATE OF OHIO. WHERE PAVEMENT REMOVAL IS NECESSARY ADJACENT TO A MONUMENT BOX, SAW-CUTTING OF THE ADJACENT PAVEMENT WILL BE REQUIRED TO HELP PRESERVE THE MONUMENT.

ALL MONUMENTS EXISTING AND PROPOSED MUST BE REFERENCED PRIOR TO CONSTRUCTION. A MINIMUM OF 3 POINTS OF REFERENCE PER MONUMENT MUST BE USED AND MUST BE LOCATED OUTSIDE OF THE CONSTRUCTION ZONE. WORK AREA. ALL MONUMENTS MUST BE REFERENCED PRIOR TO ADJUSTING BOX TO GRADE OR REPLACING CASTING. ALL MONUMENTS ADJUSTED OR REPLACED SHALL BE AS PER THE CLEVELAND MONUMENT BOX AS DETAILED ON CITY OF CLEVELAND STANDARD DRAWINGS MB-1C, SET TO PROPER GRADE.

IN ADDITION TO ADJUSTING THE CASTING VERTICALLY THIS PAY ITEM SHALL INCLUDE CENTERING THE CASTING OVER THE EXISTING IRON PIN OR STONE. THE ENTIRE MONUMENT BOX CASTING SHALL BE ADJUSTED TO GRADE AND NO INSERTS OR ADJUSTING RINGS WILL BE PERMITTED.

CARE AND PROTECTIVE MEASURES SHALL BE EMPLOYED BY THE CONTRACTOR TO AVOID DAMAGE OR DISPLACEMENT OF THE EXISTING MONUMENT DURING THE MONUMENT BOX ADJUSTMENT. ALL EXISTING MONUMENTS DISPLACED OR DAMAGED DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE RESET BY THE CITY OF CLEVELAND SURVEY DEPARTMENT THROUGH COORDINATION WITH THE CONTRACTOR IN THE FIELD. ALL WORK AND MATERIAL USED AS A RESULT OF NEGLIGENCE WILL BE AT THE CONTRACTOR'S EXPENSE.

PRIOR TO THE BEGINNING OF WORK A COPY OF ALL SURVEY AND REFERENCE NOTES WILL BE SENT TO THE ATTENTION OF THE CHIEF SURVEYOR AT THE CITY OF CLEVELAND, MAYOR'S OFFICE OF CAPITAL PROJECTS, DIVISION OF ENGINEERING AND CONSTRUCTION, PLATS AND SURVEY, ROOM 518, CLEVELAND CITY HALL.

PAYMENT FOR ALL OF THE ABOVE SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR ITEM 623 - MONUMENT ASSEMBLY ADJUSTED TO GRADE, AS PER D-41, AS PER PLAN.

ADDITIONALLY, WHILE ADJUSTING OR RECONSTRUCTING DRAINAGE MANHOLES TO GRADE, THE CONTRACTOR SHALL ROTATE ALL CASTINGS AWAY FROM CONFLICTS WITH THE PROPOSED CURBS.

RECONSTRUCT TO GRADE, AS PER PLAN, WORK SHALL NOT BE PERFORMED UNLESS SPECIFICALLY INDICATED IN THE PLANS OR OTHERWISE ORDERED BY THE ENGINEER. ANY SUCH WORK MADE NECESSARY DUE TO THE CONTRACTOR'S NEGLIGENT OPERATIONS, AS DETERMINED BY THE ENGINEER, SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE WORK NOTED ABOVE. PAYMENT FOR COMPLETED AND ACCEPTED QUANTITIES SHALL BE MADE AT THE CONTRACT UNIT BID PRICE:

ITEM 611 - VAULT/MANHOLE RECONSTRUCTED TO GRADE, AS PER D-36, AS PER PLAN	6 EACH
ITEM 611 - MANHOLE RECONSTRUCTED TO GRADE, AS PER D-36, AS PER PLAN	2 EACH
ITEM 611 - CATCH BASIN RECONSTRUCTED TO GRADE, AS PER D-36, AS PER PLAN	2 EACH

ITEM SPECIAL - CLEAN AND TELEVIEW EXISTING SEWER, AS PER D-37

PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL TELEVIEW EXISTING SEWER LATERALS TO REMAIN AT ALL LOCATIONS WHERE EXISTING DRAINAGE STRUCTURES ARE BEING REPLACED. THE TELEVIEWING SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER AND CITY OF CLEVELAND DIVISION OF WATER POLLUTION CONTROL REPRESENTATIVE(S).

IF, IN THE OPINION OF THE CITY REPRESENTATIVE(S), THE LATERAL HAS REACHED ITS DESIGN SERVICE LIFE AND/OR WARRANTS REPLACEMENT, THE CONTRACTOR SHALL INSTALL A NEW SEWER LATERAL FROM THE NEW DRAINAGE STRUCTURE TO THE SEWER MAIN.

NEW SEWER LATERAL SHALL MATCH THE EXISTING LATERAL IN TERMS OF PIPE SIZE, LOCATION AND SLOPE. EXISTING LATERAL SHALL BE REMOVED. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

ITEM 611 - 12" CONDUIT, TYPE B, 706.08 (CS), AS PER D-32	60 FT.
ITEM 611 - 24" CONDUIT, TYPE B, 706.08 (CS), AS PER D-32	6 FT.

ANY ADDITIONAL COST FOR PAVEMENT REMOVED MAINTENANCE OF TRAFFIC OR OUT OF SEQUENCE PLANNED WORK SHALL BE INCLUDED WITH PERTINENT ITEM 611. THESE ITEMS ARE CONSIDERED COMPLETE IN PLACE.

COPIES OF THE INSPECTION REPORT SHALL BE DELIVERED TO THE CITY OF CLEVELAND DIVISION OF WATER POLLUTION CONTROL AND THE CITY OF CLEVELAND DIVISION OF ENGINEERING AND CONSTRUCTION. THE INSPECTION SHALL FOLLOW THE GUIDELINES OF THE NATIONAL ASSOCIATION OF SEWER SERVICE COMPANIES.

PAYMENT FOR THIS ITEM INCLUDES THE CCTV SEWER INSPECTION, MASSCO INSPECTION REPORT, AND ANY ADDITIONAL COST FOR MAINTENANCE OF TRAFFIC OR ITEMS NECESSARY TO COMPLETE THE INSPECTION AND SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE BID FOR:

ITEM SPECIAL - CLEAN AND TELEVIEW EXISTING SEWER, AS PER D-37	480 FT.
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PAVEMENT RESTORATION

THE COST FOR PAVEMENT REMOVAL AND RESTORATION FOR PIPE/CONDUIT, OR ANY OTHER ITEM UNLESS SPECIFICALLY INDICATED FOR PAYMENT UNDER SEPARATE ITEM, SHALL BE INCLUDED WITH THE PERTINENT ITEM. NO SEPARATE PAYMENT WILL BE MADE.

VITRIFIED CLAY PIPE, C-700, WITH PREMIUM JOINTS. THE CONDUIT USED FOR PRIVATE SERVICE CONNECTIONS SHALL BE 706.08. EXTRA STRENGTH VITRIFIED CLAY PIPE, C-700, WITH PREMIUM JOINTS, BEDDING AND BACKFILLING SHALL BE IN ACCORDANCE WITH 0001 ITEM 611 - PIPE CULVERTS, SEWERS, AND DRAINS.

BACKFILL MATERIAL SHALL BE IN ACCORDANCE WITH D-30.

ANY SEWER CONNECTIONS THAT ARE DISTURBED AS PART OF THE PROJECT SHALL BE REPLACED IN KIND. NO SEPARATE PAYMENT SHALL BE MADE.

PAYMENT SHALL BE BASED ON THE ACCEPTED LINEAR FEET OF PIPE COMPLETE IN PLACE FOR THE SIZES AND TYPES OF PIPE INDICATED. PRICE BID PER LINEAR FOOT SHALL INCLUDE COSTS OF ALL BENDS AND JOINTS.

STRUCTURES ADJUSTED TO GRADE, RECONSTRUCTED TO GRADE OR REPLACED, AS PER PLAN, AS PER D-36

ALL ADJUSTMENT, RECONSTRUCTION OR REPLACED WORK, EXCEPT FOR THOSE STRUCTURES OWNED BY PRIVATE COMPANIES, SHALL BE PERFORMED BY THE CONTRACTOR, WHERE APPLICABLE. THE TIME BETWEEN RESETTling THE CASTINGS AND RESURFACING SHALL BE KEPT TO AN ABSOLUTE MINIMUM.

CASTINGS SHALL BE ADJUSTED OR RECONSTRUCTED TO GRADE AS PER D-36, AND IN ACCORDANCE WITH 611.10 USING CLAY BRICKS (704.01), CLASS C CONCRETE AND/OR CONCRETE MORTAR, OR PER 636.18 AND AS SPECIFIED BELOW FOR SERVICE BOX AND VALVE BOX ADJUSTMENTS. MAXIMUM CONCRETE MORTAR THICKNESS IS 1-1/2".

THE CONTRACTOR SHALL RESET EXISTING VALVE BOXES OR EXISTING CURB SHUT-OFF VALVE BOXES TO ESTABLISHED GRADE BY RAISING OR LOWERING THE CASTINGS OR BY EITHER ADDING, DELETING OR CUTTING THE APPROPRIATE VALVE BOX STEEL SELECTIONS. IN RAISING OF THE CASTINGS, NO INSERTS WILL BE PERMITTED. ANY VALVE BOXES OR CURB SHUT-OFF VALVE BOXES FOUND TO BE DAMAGED OR UNSUITABLE FOR REUSE SHALL BE REPLACED BY THE CONTRACTOR AND PAID FOR UNDER ITEM SPECIAL - MISCELLANEOUS METAL. THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY AS REQUIRED OR AS ORDERED TO COMPLETE THE ITEM.

ADJUST TO GRADE, RECONSTRUCT TO GRADE OR TOTAL REPLACEMENT WORK SHALL, WHERE REQUIRED, INCLUDE THE REMOVAL AND REPLACEMENT OF ANY EXISTING CONCRETE BLOCKOUT CURB AND/OR PAVEMENT USING MODERATE-SETTING CONCRETE (CLASS MS) OR, IF APPROVED/DIRECTED BY THE ENGINEER, FAST-SETTING CONCRETE (CLASS FS), TO FACILITATE REMOVAL. THE BLOCKOUT PAVEMENTS SHALL BE SAVED FULL DEPTH ALONG THE LIMITS OF THEIR REMOVAL UNLESS OTHERWISE DESIGNATED/DIRECTED BY THE ENGINEER. BLOCKOUT PAVEMENT, REINFORCING STEEL, JOINT MATERIAL AND LOAD TRANSFER DEVICES SHALL BE REPLACED/INSTALLED IN ACCORDANCE WITH THE CITY OF CLEVELAND STANDARD CONSTRUCTION DRAWING CONC 1 AND PRT 1. ALL COSTS ASSOCIATED WITH THE BLOCKOUT REMOVALS/REPLACEMENTS SHALL BE CONSIDERED INCIDENTAL TO THE PER EACH BID ITEMS.

ALL EXISTING CASTINGS FOR STRUCTURES TO BE ADJUSTED OR RECONSTRUCTED TO GRADE SHALL BE FIELD CHECKED AT THE TIME OF CONSTRUCTION AND MARKED SUITABLE FOR SALVAGE AND REUSE OR REPLACED AS DIRECTED BY THE ENGINEER UNLESS OTHERWISE INDICATED ON THE PLAN. REPLACEMENT CASTINGS ARE PAID UNDER ITEM SPECIAL - MISCELLANEOUS METAL (WPC) OR (CWD), AS PER D-72.

THE ENGINEER WILL DETERMINE THE WORK REQUIRED FOR ITEM 611 BASED ON THE GUIDELINES STIPULATED BELOW:

1. ADJUST TO GRADE, AS PER PLAN, SHALL INCLUDE ALL WORK SPECIFIED IN 611.10 AS NECESSARY TO RAISE THE EXISTING NEW CASTING NO MORE THAN ONE (1) FOOT FROM ITS EXISTING ELEVATION OR TO LOWER THE EXISTING NEW CASTING NO MORE THAN SIX (6) INCHES FROM ITS EXISTING ELEVATION. IN ADDITION, THIS ITEM WILL INCLUDE ANY SUPPORTING WALL REPAIR WORK NECESSARY, UP TO SIX (6) INCHES BELOW THE TOP OF THE EXISTING SUPPORTING WALL.

PAYMENT SHALL BE MADE UNDER THE APPROPRIATE STRUCTURE (ITEM 611) ADJUSTED TO GRADE.

2. RECONSTRUCT TO GRADE, AS PER PLAN, SHALL INCLUDE ALL WORK SPECIFIED IN 611.10 AND SHALL ALSO INCLUDE EXISTING/NEW CASTINGS RAISED MORE THAN ONE (1) FOOT FROM THEIR EXISTING ELEVATION OR LOWERED MORE THAN SIX (6) INCHES FROM THEIR EXISTING ELEVATION. IN ADDITION, THIS ITEM WILL INCLUDE ANY SUPPORTING WALL REPAIR WORK NECESSARY, MORE THAN SIX (6) INCHES BELOW THE TOP OF THE EXISTING SUPPORTING WALL.

THE WORK UNIT SHALL BE SPECIFIED BY THE ENGINEER AND PAYMENT SHALL BE MADE UNDER THE APPROPRIATE STRUCTURE (ITEM 611) RECONSTRUCTED TO GRADE.

3. REPLACE SHALL INCLUDE ALL WORK SPECIFIED IN 611.10 AND SHALL ALSO INCLUDE PROVIDING THE NECESSARY CONDUIT AND COLLARS TO REPAIR/RESTORE THE EXISTING CONNECTION TO THE PROPOSED STRUCTURE.

PAYMENT SHALL BE MADE UNDER THE APPROPRIATE STRUCTURE (ITEM 611). NO MORE THAN ONE (1) OF THE ABOVE PAYMENT ITEMS SHALL BE USED PER STRUCTURE.

PAVEMENT

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR, AS PER PLAN

WHEN THIS ITEM IS CALLED FOR ON THE PLANS, ALL APPLICABLE PROVISIONS OF ITEM 251, AS SET FORTH IN THE CONSTRUCTION AND MATERIAL SPECIFICATIONS, SHALL APPLY EXCEPT AS MODIFIED HEREIN.

251.03 REMOVAL OF EXISTING PAVEMENT
APPROVED METHOD OF REMOVAL SHALL SATISFACTORILY ESTABLISH A NEAT VERTICAL FACE ALONG THE ENTIRE PERIMETER OF THE REPAIR AREA IN ORDER TO SUBSEQUENTLY PERMIT THE PROPER PLACEMENT AND COMPACTION OF THE ASPHALT CONCRETE PATCHING MATERIAL, UNLESS OTHERWISE SPECIFIED BY THE ENGINEER. REMOVAL DEPTHS SHALL VARY FROM A ONE AND A HALF (1-1/2) INCH MINIMUM TO A THREE (3) INCH MAXIMUM.

PARTIALLY EMBEDDED STEEL MESH EXPOSED SHALL BE WIRE-BRUSHED OR OTHERWISE CLEANED TO REMOVE ALL LOOSE RUST. LOOSESED OR TOTALLY EXPOSED WIRE MESH REINFORCING SHALL BE CUT AND REMOVED AS REQUIRED WITHOUT DISPLACEMENT OR DISRUPTION TO THE REINFORCEMENT AND/OR PAVEMENT TO REMAIN.

251.05 BASIS OF PAYMENT
THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR, AS PER PLAN 3,684 SQ. YD.

ITEM 254 - PATCHING PLANE SURFACE

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER TO PATCH PLANE SURFACES THAT HAVE SPALLING OR DISCLOSED UNPAVED SURFACE:

ITEM 254 - PATCHING PLANE SURFACE 287 SQ. YD.

ITEM 255 - FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS 601, AS PER PLAN

AFTER THE EXISTING ASPHALT PAVEMENT HAS BEEN REMOVED BY THE PLANNING OPERATION, THE ENGINEER SHALL INSPECT THE CONDITION OF THE EXISTING BASE. ANY DEFECTIVE AREAS SHALL BE REMOVED AND REPLACED PER THE DETAILS IN THE PLANS, IN THE DIRECTION OF THE ENGINEER, AFTER THEIR APPROVAL. ALL APPLICABLE PROVISIONS OF ITEM 255 AS SET FORTH IN THE CONSTRUCTION AND MATERIAL SPECIFICATIONS SHALL APPLY EXCEPT WHERE MODIFIED IN THESE GENERAL NOTES.

255.05 MATERIALS
THE CONCRETE USED FOR THE RIGID PAVEMENT (255) SHALL BE AS PER D-23 AND D-24. AGGREGATE BASE PAID FOR UNDER ITEM 255 SHALL MEET THE REQUIREMENTS SET FORTH IN CMS 203 AND 304 AND THE NOTES AND DETAILS FOUND IN THESE PLANS.

255.04 CORRECTION OF DISTURBED SUBGRADE AND SUBGRADE
SUITABLE SUBGRADE DISTURBED IN AREAS WHERE CONCRETE PAVEMENT IS REMOVED SHALL BE SHAPED AND RECOMPACTED TO THE SATISFACTION OF THE ENGINEER. AT NO ADDITIONAL COST, UNSUITABLE SUBGRADE, AS DETERMINED BY THE ENGINEER, SHALL BE REMOVED AND REPLACED WITH ITEM 304 AGGREGATE BASE, AS PER PLAN TO THE DEPTH OF THE ADJACENT SUBGRADE AND NO LESS THAN SIX (6) INCHES. WHERE UNSUITABLE SUBGRADE MATERIAL IS ENCOUNTERED, IT SHALL BE REMOVED TO THE DEPTH DETERMINED BY THE ENGINEER, AND REPLACED IN FOUR (4) INCH LIFTS (LOOSE DEPTH). REMOVAL SHALL BE PAID FOR UNDER ITEM 203, AND NO ADDITIONAL PAYMENT WILL BE MADE FOR ITEM 304 AGGREGATE BASE AS PER PLAN.

MECHANICALLY COMPACTED LAYERS

SUITABLE ENHANCEMENT MATERIAL (204.02) REQUIRED TO REPLACE THE UNDERCUT BASE SHALL BE SHAPED TO THE EXISTING SUBGRADE TO THE PROPERTIES AS SPECIFIED IN THE CONSTRUCTION AND MATERIAL SPECIFICATIONS. USE OF GRANULAR IN ANY FORM IS NOT PERMITTED. GRANULAR ENHANCEMENT MATERIAL SHALL BE LIMITED TO CRUSHED CARBONATE STONE, ALL EXPOSED OR RECONSTRUCTED SUBGRADE SOILS SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER. REMOVAL AND DISPOSAL OF THE UNSUITABLE SUBGRADE OR SUBGRADE MATERIAL SHALL BE CONSIDERED INCIDENTAL TO ITEM 255 AND NO SEPARATE PAYMENT WILL BE MADE.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE BID TAB FOR USE AS DIRECTED BY THE ENGINEER TO REPLACE UNSUITABLE SUBGRADE AGGREGATE FROM THE OVEREXCAVATED AREA UP TO THE SUBGRADE FOR THE PAVEMENT AGGREGATE BASE LAYER.

ITEM 304 - AGGREGATE BASE, AS PER PLAN (6" MIN.) 205 CU. YD.

255.03 METHOD OF MEASUREMENT
UNSUITABLE SUBGRADE SHALL BE REMOVED AND REPLACED IN ACCORDANCE WITH ITEM 204 EXCAVATION OF SUBGRADE, AS PER PLAN. THE REPLACEMENT MATERIAL FOR

UNSATURABLE SUBBASE SHALL BE FURNISHED, IN ACCORDANCE WITH ITEM 304 - 6" MIN. AGGREGATE BASE, AS PER PLAN. NO ADDITIONAL PAYMENT WILL BE MADE FOR ITEM 304 OR ITEM 204 AND WILL BE INCLUDED IN THE CONTRACT UNIT BID PRICE FOR ITEM 255.

255.10 BASIS OF PAYMENT
PAYMENT FOR ITEM 255 - FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS 601, SHALL BE PAID FOR THE REMOVAL OF ALL MATERIALS AND ALL DEPTH LAYERS PER 255.11 AND THE REPAIR OF THE EXISTING PAVEMENT TO THE DEPTH OF THE PAVEMENT SAVING. PAVEMENT REMOVAL INCLUDING CONCRETE AND BRICK BASE, AS NECESSARY, FURNISHING AND PLACING DOWELS, TIE BARS, MESH AND CONCRETE FOR BOTH ITEM 255 AND ITEM 305 CONCRETE BASE TO REPLACE BRICK BASE AS REQUIRED. THE FOLLOWING CONTINGENCY QUANTITY IS TO BE USED IN THE FIELD AS DIRECTED BY THE ENGINEER.

ITEM 255 - FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS 601, AS PER PLAN 3,685 SQ. YD.

CONTRACTION AND/OR EXPANSION JOINTS

ALTHOUGH SPECIFIC LOCATIONS OF CERTAIN CONTRACTION AND EXPANSION JOINTS HAVE BEEN DETAILED ON THIS PLAN, NO WAIVER OF THE SPECIFICATIONS IS INTENDED.

PROVISION OF EXPANSION JOINTS AT ALL MAJOR STRUCTURES AND THE MAXIMUM SPACING BETWEEN CONTRACTION JOINTS SHALL BE 15' AND IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING BP-2.2 AND THE SPECIFICATIONS. EXPANSION JOINTS SHALL HAVE SPACING OF APPROXIMATELY 300' AND PRIOR TO EACH INTERSECTION.

PAVEMENT REPAIR OPERATIONS

PAVEMENT REPAIRS AS ESTIMATED IN THE PLANS ARE BASED ON FIELD OBSERVATIONS AND PAVEMENT CORES. FINAL REPAIRS SHALL BE DETERMINED BY FIELD REVIEW AFTER PAVEMENT HAS BEEN PLACED CURB-TO-CURB WITHIN THE PROJECT LIMITS.

APPROVED METHODS FOR REMOVAL OF THE REMAINING (AFTER PLANNING) ASPHALT CONCRETE OVERLAY AND, WHERE REQUIRED, CONCRETE SHALL SATISFACTORILY CONFORM TO THE EXISTING PAVEMENT SURFACE. THE ENTIRE PERIMETER OF THE RECTANGLE SHOWN SHALL BE REMOVED TO THE DEPTH OF THE SUBGRADE. THE REMOVAL OF THE PAVEMENT AND COMPACTION OF THE FULL DEPTH PAVEMENT REPLACEMENT MATERIALS.

BEFORE PLACING THE PAVEMENT REPLACEMENT MATERIALS, CLEAN ALL VERTICAL FACES OF THE EXISTING PAVEMENT AND COAT THEM WITH ASPHALT MATERIAL ACCORDING TO THE DETAILS IN THE PLANS. THE EXISTING PAVEMENT SHALL BE REPAIRED TO THE SURFACE OF THE REPAIRED/EXISTING CONCRETE BASE OR EXISTING BRICK BASE COURSE.

MATERIALS FOR THE PAVEMENT REPLACEMENT SHALL BE AS DETAILED ON THE FULL DEPTH PAVEMENT REPAIR DETAILS (SEE SHEETS 10-12). PLACE AND COMPACT THE PAVEMENT REPLACEMENT MATERIALS IN ACCORDANCE WITH THE APPLICABLE SPECIFICATIONS.

THE FULL DEPTH PAVEMENT REPAIRS SHALL BE PERFORMED CONCURRENTLY WITH THE CURB AND WALK REPLACEMENT AND REPAIRS. ONLY AFTER ALL THE REPAIRS ARE PERFORMED FOR A PHASED SEGMENT OF WORK, MAY THE CONTRACTOR THEN INSTALL THE ASPHALT SURFACE AND INTERMEDIATE COURSES.

CONTRACTION JOINTS IN CONCRETE PAVEMENT OR BASE WIDENING

WHERE NEW CONCRETE IS PLACED ADJACENT TO EXISTING CONCRETE, CONTRACTION JOINTS SHALL BE PROVIDED IN THE NEW CONCRETE SO AS TO FORM CONTINUOUS JOINTS WITH THOSE IN THE EXISTING CONCRETE.

THE MAXIMUM DISTANCE BETWEEN THE JOINTS IN THE NEW CONCRETE SHALL BE 15' AND IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING BP-2.2. IF NECESSARY, ADDITIONAL JOINTS SHALL BE PROVIDED IN THE NEW CONCRETE AT APPROXIMATELY EQUAL INTERVALS BETWEEN EXISTING JOINTS THAT EXCEED THE MAXIMUM SPACING.

ITEM 441 - ASPHALT CONCRETE, AS PER D-29, AS PER PLAN

ASPHALT CONCRETE SHALL COMPLY WITH 0007 ITEM 301 AND 441 UNLESS SPECIFIED DIFFERENT ON THE BID FORM, PLANS OR PROJECT MANUAL.

ITEM 441 - ASPHALT CONCRETE

ASPHALT CONCRETE SHALL COMPLY WITH 0007 ITEM 441 UNLESS SPECIFIED DIFFERENT ON THE BID FORM, PLANS OR PROJECT MANUAL.

RECYCLED MATERIAL SHALL BE LIMITED TO WEARING COURSE MAXIMUM OF 10% INTERMEDIATE COURSE MAXIMUM OF 20% AND BITUMINOUS BASE COURSE MAXIMUM OF 30%. THE USE OF GRAVEL IS PROHIBITED IN THE SURFACE COURSE.

ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), P070-22W, AS PER D-29, AS PER PLAN

THE COURSE AGGREGATE FOR THIS ITEM SHALL BE A BLEND OF 60% MIN. AIR COOLED BLAST FURNACE SLAG (ACFS) OR TRAP ROCK FROM ONTARIO WITH LKESTONE COMPRISING THE REMAINING PERCENTAGE. FOR THIS ITEM, A THIRD ROLLER IS REQUIRED FOR MANLINE PAVING OPERATIONS. THE ROLLER SHALL CONFORM TO THE REQUIREMENTS OF 401.13.

ITEM 441 - 0" MIN. ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), P084-22, AS PER D-29, AS PER PLAN

THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PLACE 0" MIN. ASPHALT CONCRETE AND TACK COAT IN AREAS WHERE ASPHALT CONCRETE SURFACE AND INTERMEDIATE COURSE IS NOT OF SUFFICIENT DEPTH TO ACHIEVE A MINIMUM CROSS SLOPE OR AS OTHERWISE DIRECTED BY THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER

ITEM 441 - 0" MIN. ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), P084-22, AS PER D-29, AS PER PLAN 50 CU. YD.

ITEM 407 - TACK COAT 432 GAL.

TESTING

TESTING OF CONSTRUCTION MATERIALS, AS PER D-73

SECTION D-73 OF THE TECHNICAL SPECIFICATION PROVIDES INFORMATION REGARDING TESTING REQUIREMENTS FOR MATERIALS FURNISHED AND INSTALLED ON THIS PROJECT AS WELL AS TESTING RATES. THE UNIT PRICE BID FOR PERFORMANCE OF THESE TESTS SHALL INCLUDE ANY PREMIUM TIME NECESSARY TO PERFORM WORK ON HOLIDAYS, WEEKENDS AND/OR OVERNIGHT.

ASPHALT PAVING CONTRACTOR SHALL PERFORM ASPHALT COMPACTION TESTING. INDEPENDENT TESTING AGENCY SHALL BE APPROVED BY THE CITY. ALL MATERIAL, LABOR AND EQUIPMENT TO PERFORM ASPHALT COMPACTION TESTING SHALL BE INCLUDED WITH THE UNIT COST BID FOR BASE INTERMEDIATE AND SURFACE COURSES.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

ITEM SPECIAL - ASPHALT EXTRACTION TEST, AS PER D-73, AS PER PLAN	20 EACH
ITEM SPECIAL - THICKNESS OF COMPACTED ASPHALT TEST AS PER D-73, AS PER PLAN	20 EACH
ITEM SPECIAL - CONCRETE TEST CYLINDERS (4 SPECIMENS PER SET), AS PER D-73, AS PER PLAN	5 SETS
ITEM SPECIAL - SUBSEQUENT SLUMP AND TEMPERATURE TEST, AS PER D-73, AS PER PLAN	20 EACH
ITEM SPECIAL - SUBSEQUENT AIR CONTENT AND TEMPERATURE TEST, AS PER D-73, AS PER PLAN	20 EACH
ITEM SPECIAL - FLEXURAL STRENGTH OF CONCRETE (BEAM) TEST, AS PER D-73, AS PER PLAN	20 EACH
ITEM SPECIAL - TECHNICIAN WITH NUCLEAR DENSITY METER (SUBGRADE/SUBBASE COMPACTION/ASPHALT), AS PER D-73, AS PER PLAN	60 HOURS
ITEM SPECIAL - PROCTOR TEST, AS PER D-73, AS PER PLAN	5 EACH



MAINTENANCE OF TRAFFIC (CONT.):

CONSTRUCTION ADJACENT TO DRIVES

ACCESS TO COMMERCIAL AND HANDICAP PROPERTIES SHALL BE MAINTAINED AT ALL TIMES. IN ADDITION, THE CONTRACTOR SHALL MAKE REASONABLE PROVISIONS TO ALLOW RESIDENTIAL ACCESS AT ALL TIMES OR OTHERWISE ALLOW RESIDENTS TO PARK SAFELY WITHIN THE PROJECT WORK LIMITS WHEN ACCESS IS NOT POSSIBLE; ALL AT THE APPROVAL/DIRECTION OF THE ENGINEER. THE MAXIMUM OUT OF SERVICE TIME FOR ANY RESIDENTIAL DRIVE SHALL BE SEVEN (7) DAYS. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A PLAN FOR THE APPROVAL OF THE ENGINEER WHICH OUTLINES HIS/HER STRATEGY FOR THE MAINTENANCE OF SAFE ACCESS TO COMMERCIAL, HANDICAP AND RESIDENTIAL PROPERTIES AND/OR FOR ALLOWING RESIDENTS TO PARK SAFELY WITHIN THE PROJECT LIMITS WHEN ACCESS IS NOT POSSIBLE. THE PAYMENT FOR MAINTAINING TRAFFIC SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR RESIDENTIAL, HANDICAP AND RESIDENTIAL ACCESS AND/OR SAFE PARKING AREAS FOR RESIDENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND MAINTAINING TRAFFIC, AS PER PLAN, EXCEPT FOR THE SEPARATELY ESTIMATED ITEMS (QUANTITIES ADDITIONALLY PROVIDED IN THE PLANS FOR MAINTAINING TRAFFIC (ACCESS)).

CONSTRUCTION PHASING

PHASE 1 - CARNEGIE AVENUE (E. 28TH STREET TO E. 35TH STREET)

PHASE 1 SHALL CONSIST OF ALL WORK IN THE SOUTHERN PORTION OF CARNEGIE AVENUE AND ALL INTERSECTIONS EXCEPT ASPHALT SURFACE COURSE AND FINAL PAVEMENT MARKINGS. TWO-WAY TRAFFIC WILL BE MAINTAINED ON THE EXISTING PAVEMENT ON THE NORTHERN HALF OF CARNEGIE AVENUE FROM E. 28TH STREET TO E. 55TH AS SHOWN ON THE PHASE 1 TYPICAL SECTIONS ON SHEET 35.

PHASE 2 - CARNEGIE AVENUE (E. 28TH STREET TO E. 55TH STREET)

PHASE 2 SHALL CONSIST OF ALL WORK IN THE NORTHERN PORTION OF CARNEGIE AVENUE AND ALL INTERSECTIONS EXCEPT ASPHALT SURFACE COURSE AND FINAL PAVEMENT MARKINGS. TWO-WAY TRAFFIC WILL BE MAINTAINED ON THE SOUTHERN HALF OF CARNEGIE AVENUE FROM E. 28TH STREET TO E. 55TH AS SHOWN ON THE PHASE 2 TYPICAL SECTIONS ON SHEET 35.

UPON COMPLETION OF PHASE 2 WORK, CONTRACTOR MAY APPLY THE 407 TACK COAT FOR INTERMEDIATE COURSE AND THE ITEM 441 ASPHALT CONCRETE SURFACE COURSE SHALL BE INSTALLED ACROSS THE ENTIRE PAVEMENT WIDTH. LANDSCAPING, FINAL PAVEMENT MARKINGS, AND THE BALANCE OF THE SIGNS SHALL BE INSTALLED DURING THIS PHASE. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING MT-93.31, MT-93.32, MT-97.12 OR MT-99.20, AS APPROPRIATE.

PHASE 3 - CARNEGIE AVENUE (E. 9TH STREET TO E. 19TH STREET)

PRIOR TO PHASE 3 CONSTRUCTION WATER MAIN INSTALLATION MAY BEGIN DURING THE WINTER MONTHS WITH APPROVAL OF THE ENGINEER.

PHASE 3 SHALL CONSIST OF ALL WORK IN THE NORTHERN PORTION OF CARNEGIE AVENUE INCLUDING THE WATERMAIN AND ALL INTERSECTIONS EXCEPT ASPHALT SURFACE COURSE AND FINAL PAVEMENT MARKINGS. TWO-WAY TRAFFIC WILL BE MAINTAINED ON THE SOUTHERN HALF OF CARNEGIE AVENUE FROM E. 9TH STREET TO E. 19TH AS SHOWN ON THE PHASE 3 TYPICAL SECTIONS ON SHEET 38.

PHASE 4 - CARNEGIE AVENUE (E. 9TH STREET TO E. 19TH STREET)

PHASE 4 SHALL CONSIST OF ALL WORK IN THE SOUTHERN PORTION OF CARNEGIE AVENUE AND ALL INTERSECTIONS EXCEPT ASPHALT SURFACE COURSE AND FINAL PAVEMENT MARKINGS. TWO-WAY TRAFFIC WILL BE MAINTAINED ON THE SOUTHERN HALF OF CARNEGIE AVENUE FROM E. 9TH STREET TO E. 19TH AS SHOWN ON THE PHASE 4 TYPICAL SECTIONS ON SHEET 38.

UPON COMPLETION OF PHASE 2 WORK, CONTRACTOR MAY APPLY THE 407 TACK COAT FOR INTERMEDIATE COURSE AND THE ITEM 441 ASPHALT CONCRETE SURFACE COURSE SHALL BE INSTALLED ACROSS THE ENTIRE PAVEMENT WIDTH. LANDSCAPING, FINAL PAVEMENT MARKINGS, AND THE BALANCE OF THE SIGNS SHALL BE INSTALLED DURING THIS PHASE. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING MT-93.31, MT-93.32, MT-97.12 OR MT-99.20, AS APPROPRIATE.

CONSTRUCTION SEQUENCE

THE REHABILITATION OF CARNEGIE AVENUE WITHIN THE LIMITS OF THIS PROJECT SHALL BE ACCOMPLISHED IN CONSTRUCTION SECTIONS THAT CAN BE COMPLETED WITHIN ONE CONSTRUCTION SEASON.

THE SURFACE COURSE ASPHALT MUST BE PLACED, AND ALL LANES OPEN TO TRAFFIC BETWEEN NOVEMBER 15 AND APRIL 15. NORMAL VEHICULAR TRAFFIC SHALL BE MAINTAINED AT ALL TIMES BEYOND THE WORK LIMITS OF THE SECTION CURRENTLY UNDER CONSTRUCTION.

PHASED CONSTRUCTION

ALL WORK IN A GIVEN PHASE, INCLUDING SUCH ITEMS AS REMOVAL OF THE EXISTING WEARING COURSE, CURB AND BASE REPAIR, ASPHALT CONCRETE INTERMEDIATE COURSE, ADJUSTMENT OF CASTINGS, SIDEWALKS, DRIVEWAY REPAIRS, TRAFFIC SIGNALS AND TRAFFIC SIGNS SHALL BE COMPLETED PRIOR TO BEGINNING OF THE NEXT PHASE. CASTINGS SHALL BE COVERED WITH CURB OR CONCRETE. THE CONTRACTOR SHALL MAINTAIN MARKINGS, AND ANY SIGNS WHICH CONFLICT WITH THE MAINTENANCE OF TRAFFIC PLANS.

SIDE STREET CLOSURE LIMITATION

ONE-WAY SOUTHBOUND TRAFFIC SHALL BE MAINTAINED AT ALL TIMES DURING INTERSECTION WORK ON THE FOLLOWING SIDE STREETS:

E. 46TH STREET

ONE-WAY NORTHBOUND TRAFFIC SHALL BE MAINTAINED AT ALL TIMES DURING INTERSECTION WORK ON THE FOLLOWING SIDE STREETS:

PROSPECT STREET

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES ON E. 9TH, E. 14TH STREET, E. 18TH STREET, E. 19TH STREET AND E. 55TH STREET, PER THE PHASED INTERSECTION DETAILS.

THE REMAINING SIDE STREETS MAY BE CLOSED TO TRAFFIC DURING EACH PHASE FOR A MAXIMUM OF THIRTY (30) CONSECUTIVE CALENDAR DAYS. CONSECUTIVE SIDE STREETS MAY NOT BE CLOSED AT THE SAME TIME. ALL CLOSED STREETS SHALL BE BARRICADED AT THE WORK LIMITS WITH GATES AND BARRICADES PER MT-101.80 AND SIGNED WITH A "ROAD CLOSED" (R11-2-48) SIGN MOUNTED ON THE BARRICADES. IN ADDITION, A "ROAD CLOSED AHEAD" (W 20-3-36) SIGN SHOWN ON THE PLANS. THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN AND REMOVE ALL SIGNS AND BARRICADES REQUIRED FOR THIS PURPOSE.

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE THE CITY OF CLEVELAND DIVISION OF ENGINEERING AND CONSTRUCTION AND THE DIVISION OF TRAFFIC ENGINEERING WITH A PRECISE SCHEDULE OF THE DATE AND DURATION OF ALL PROPOSED STREET CLOSURES. ANY CHANGES IN THIS SCHEDULE DURING CONSTRUCTION SHALL BE SUBMITTED IN WRITING, FAX WITH HARD COPY TO FOLLOW, TO THE DIVISION OF ENGINEERING AND CONSTRUCTION AND THE DIVISION OF TRAFFIC ENGINEERING A MINIMUM OF SEVEN (7) DAYS PRIOR TO THE REQUESTED CHANGE FOR THEIR REVIEW, COMMENT, AND APPROVAL. NO CHANGE IN THE SCHEDULE CAN BE MADE WITHOUT THE WRITTEN APPROVAL OF BOTH DIVISIONS.

LIQUIDATED DAMAGES SHALL BE ASSESSED IN ACCORDANCE WITH SECTION 106.07 FOR EACH CALENDAR DAY THAT ANY INTERSECTING STREET REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT.

THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN AND REMOVE ALL SIGNS AND BARRICADES REQUIRED FOR THIS PURPOSE. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614 - MAINTAINING TRAFFIC, AS PER PLAN.

TEMPORARY PAVING OF VERTICAL SURFACES

IN ORDER TO PROVIDE FOR LOCAL ACCESS, LONGITUDINAL VERTICAL FACES ABUTTING CURBS SHALL BE TEMPORARILY RAMMED. TRANSVERSE VERTICAL FACES SHALL BE TEMPORARILY RAMMED A MINIMUM OF TEN (10) FEET IN LENGTH AND TRAFFIC SHALL BE WARNED WITH W18-1 "BUMP" SIGNS IN ADVANCE OF THE RAMMED AREAS.

ALL CASTINGS ENCOUNTERED SHALL BE SET TO GRADE AND PAID FOR UNDER VARIOUS ITEMS DESCRIBED ELSEWHERE IN THE GENERAL NOTES OR SPECIFICATIONS. THE CASTING ELEVATION DIFFERENTIAL SHALL NOT BE GREATER THAN ONE (1) INCH WHEN EXPOSED TO TRAFFIC. CASTINGS MAY BE REPAIRED TO BE ADJUSTED AND SET ONCE. EXPOSED CASTINGS SHALL BE COVERED WITH CURB OR CONCRETE. THE CONTRACTOR IS ADJACENT TO DRIVES, MAINTAIN ACCESS TO DRIVES BY ONLY CONSTRUCTING PORTIONS OF THE ROADWAY NOT IN CONFLICT WITH THE DRIVES. ADDITIONAL CONSTRUCTION JOINTS SHALL BE ALLOWED BY THE ENGINEER. IN ORDER TO PROVIDE FOR LOCAL ACCESS, TEMPORARY RAMMING SHALL BE INSTALLED ALONG ALL

DATE
S.D.P.

THMA
CHECKED

MAINTENANCE OF TRAFFIC GENERAL NOTES

CARNEGIE AVENUE
PROJECT NO. M-1296

23
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REF NO.	SHEET NUMBER													ITEM	GRAND TOTAL	UNIT	DESCRIPTION	SEE DET. NO.
	14	15	16	17	18	19	20	21	22	23	24	25	26					
1														201	LUMP		CLEARING AND GRUBBING, AS PER PLAN	14
2														202	2372	SY	PAVEMENT REMOVED, AS PER D-15, AS PER PLAN	15
3														202	2917	SY	PAVEMENT REMOVED FOR DRIVES, AS PER D-15, AS PER PLAN	15
4														202	67433	SF	WALK REMOVED, AS PER PLAN	15
5														202	10329	FT	CURB REMOVED, AS PER PLAN	15
6														202	96	FT	PIPE REMOVED, 24" AND UNDER	
7														202	2	EACH	GUARD POST REMOVED	
8														202	10	FT	SPECIAL - FILL AND PLUG EXISTING CONDUIT	
9														202	3	EACH	CATCH BASIN OR INLET REMOVED, AS PER PLAN	18
10														202	2	EACH	REMOVAL MISC. PARKING METER	14
11														202	15	EACH	REMOVAL MISC. MONUMENT ASSEMBLY REMOVED	
12														202	5	EACH	REMOVAL MISC. POLE REMOVED (WOOD OR METAL CONCRETE), AS PER D-18, AS PER PLAN	15
13														202	6	EACH	REMOVAL MISC. POLE FOUNDATION REMOVED, AS PER PLAN	15
14														203	151	CT	EXCAVATION	
15														203	594	CT	EMBANKMENT	
16														203	50	CY	ROADWAY, MISC. BACKFILL MATERIAL - FLOWABLE FILL, AS PER D-31	15
17														204	3530	SY	SUBGRADE COMPACTION	
18														204	7	HOUR	PROOF ROLLING	
19														204	1587	SY	GEOGRID	17
20														204	456	CY	EXCAVATION OF SUBGRADE AND SUBBASE, AS PER D-16, AS PER PLAN	17
21														209	7928	FT	LINEAR GRADING, AS PER D-20, AS PER PLAN	15
22														608	6094	SF	4" CONCRETE WALK, AS PER D-23, D-24, AS PER PLAN	18
23														608	25402	SF	8" CONCRETE WALK, AS PER D-23, D-24, AS PER PLAN	18
24														608	43	CORNER	CURB RAMP, AS PER D-75, AS PER PLAN	16
25														623	17	EACH	MONUMENT ASSEMBLY, AS PER D-40, AS PER PLAN	16
26														623	9	EACH	MONUMENT ASSEMBLY ADJUSTED TO GRADE, AS PER D-41, AS PER PLAN	16
27														616	8	M GAL	WATER FOR DUST CONTROL	
28														616	1	TON	CALCIUM CHLORIDE	
29														653	408	CY	8" TOPSOIL FURNISHED AND PLACED	
30														659	2	EACH	SOIL ANALYSIS TEST	
31														659	2803	SY	SEEDING AND MULCHING, CLASS 1, AS PER D-66, AS PER PLAN	17
32														659	0.63	TON	COMMERCIAL FERTILIZER, AS PER D-68	
33														659	0.58	ACRE	AGRICULTURAL LIME	
34														659	16	M GAL	WATER FOR SEEDING, AS PER D-67	
35														659	21	MSF	MOWING	
36														832	LUMP		STORM WATER POLLUTION PREVENTION PLAN, AS PER D-22	17
37														832	35000	EACH	EROSION CONTROL, AS PER D-22, AS PER PLAN	17
38														605	10546	FT	DRAINAGE	
39														611	390	FT	6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	19
40														611	372	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
41														611	18	FT	12" CONDUIT, TYPE B, 706.08 (ES), AS PER D-32	
42														611	12	FT	24" CONDUIT, TYPE B, 706.02 (ES), AS PER D-32	
43														611	17	EACH	CATCH BASIN ADJUSTED TO GRADE, AS PER D-39	
44														611	2	EACH	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER D-38	19
45														611	3	EACH	CATCH BASIN, CITY OF CLEVELAND NO. 1, WITH FLAT GRATE, AS PER D-34, AS PER PLAN	
46														611	39	EACH	CATCH BASIN, CITY OF CLEVELAND NO. 1, AS PER PLAN, AS PER D-34	18
47														611	5	EACH	CATCH BASIN, CITY OF CLEVELAND NO. 2, AS PER PLAN, AS PER D-34	18
48														611	1	EACH	CATCH BASIN, CITY OF CLEVELAND NO. 3 (TWIN CP-3), AS PER D-34	18
49														611	37	EACH	MANHOLE ADJUSTED TO GRADE, AS PER D-39, AS PER PLAN	19
50														611	4	EACH	MANHOLE RECONSTRUCTED TO GRADE, AS PER D-39, AS PER PLAN	19
51														611	5	EACH	VAULT/MANHOLE RECONSTRUCTED TO GRADE, AS PER D-38, AS PER PLAN	19
52														611	28000	LB	MISCELLANEOUS METAL (WPC), AS PER D-72	19
53														SPECIAL	460	FT	CLEAN AND TELEWISE EXISTING SEWER, AS PER D-37	19

GENERAL SUMMARY

CARNEGIE AVENUE
PROJECT NO. M-1296

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REF NO.		SHEET NUMBER																ITEM	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHED. NO.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

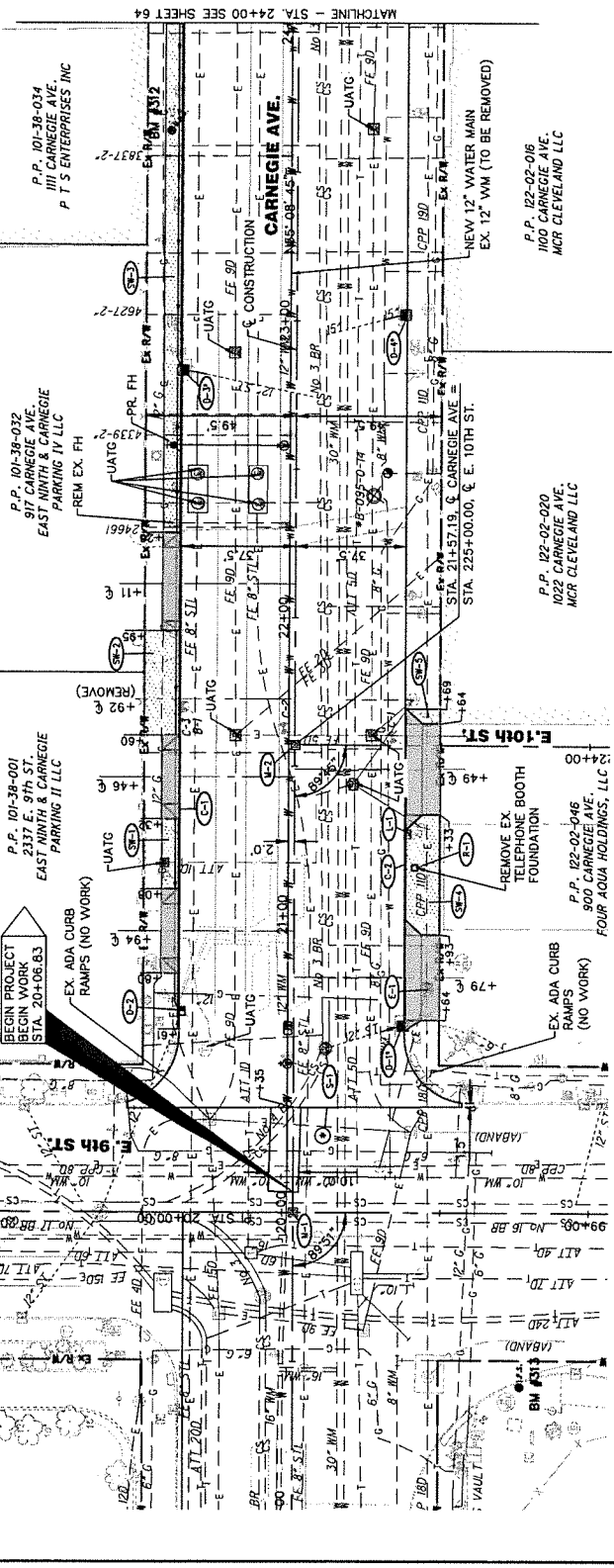
SHEET NUMBER													REF NO.		ITEM	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHT. NO.
13	14	15	22	23	24	26	39	56											
145												632	96	FT	TRAFFIC SIGNALS (CONT)				
146												2	2	EACH	SERVICE CABLE, 2 CONDUCTOR, NO. 6 AWG				
147												2	2	EACH	POWER SERVICE, AS PER D-50	132			
148												5	5	EACH	CONDUIT RISER, 3" DIAMETER				
149												2	2	EACH	SIGNAL SUPPORT, TYPE TC-81.22 DESIGN 4 POLE, AS PER PLAN	133			
150												2	2	EACH	SIGNAL SUPPORT, TYPE TC-81.22 DESIGN 12 POLE, AS PER PLAN	133			
151												1	1	EACH	SIGNAL SUPPORT, TYPE TC-81.22 DESIGN 13 POLE, AS PER PLAN	133			
152												2	2	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION AS PER D-42				
153												2	2	EACH	SIGNALIZATION, MISC.: FOUNDATION TEST HOLES	133			
154												10	10	EACH	CONTROLLER UNIT, TYPE TS2/A2, WITH CABINET, TYPE TS2, AS PER PLAN, AS PER D-50	133			
155												2	2	EACH	CABINET FOUNDATION	134			
156												2	2	EACH	CONTROLLER WORK PAD				
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GENERAL SUMMARY

CARNEGIE AVENUE
PROJECT NO. M-1296

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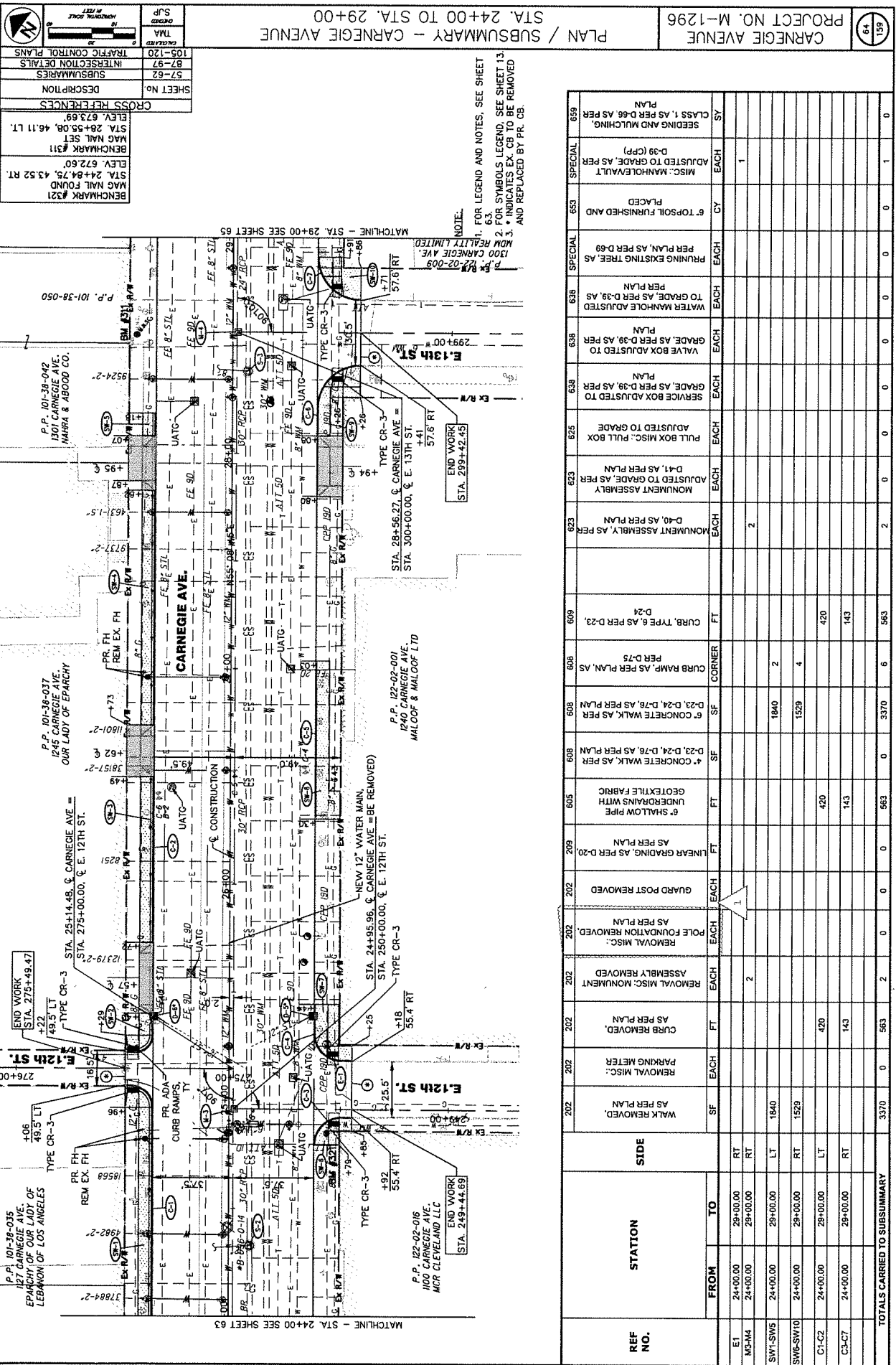
PROJECT NO. M-1296	CARNegie AVENUE
PLAN / SUBSUMMARY - CARNegie AVENUE	PROJECT BEGINNING TO STA. 24+00
SHEET NO.	57-62
DESCRIPTION	SUBSUMMARY
CROSS REFERENCES	
BENCHMARK #313	IRON PIN SET STA. 19+41.45, 77.00 RT. ELEV. 670.01'
BENCHMARK #312	MAG NAIL SET STA. 23+64.15, 41.42 LT. ELEV. 672.57'
TRAFFIC CONTROL PLANS	105-120
INTERSECTION DETAILS	87-97
CHANGED	TMA
DATE	08/20/20
BY	W



- LEGEND**
- PROPOSED CONCRETE WALK REPLACEMENT
 - PROPOSED DRIVEWAY APRON REPLACEMENT
 - WORK (BY OTHERS)
 - SEEDING AND MULCHING, CLASS 1
 - PROPOSED DRAINAGE BLOCK OUT PAVEMENT RESTORATION LIMITS
 - PROPOSED WATERLINE TRENCH RESTORATION LIMITS
 - BUTT JOINT PER CITY STD. DWG. CONC. 1
 - PAVEMENT CORES AND BORINGS
 - BENCHMARK
 - UTILITY ADJUSTED TO GRADE (BY OTHERS)
 - INDICATES EX. CB TO BE REMOVED AND REPLACED BY PR. CB.

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TOTALS CARRIED TO SUBSUMMARY	1958	0	446	1	1	0	0	0	0	0
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SHEET NO.	DESCRIPTION
57-62	SUBSUMMARS
57-62	INTERSECTION DETAILS
105-120	TRAFFIC CONTROL PLANS
105-120	TRAFFIC CONTROL PLANS

CROSS REFERENCES
BENCHMARK #321 STA. 24+00 TO STA. 29+00 ELEV. 672.60'
BENCHMARK #311 STA. 24+00 TO STA. 29+00 ELEV. 673.69'
BENCHMARK #311 STA. 24+00 TO STA. 29+00 ELEV. 673.69'

PROJECT NO.	DATE
105-120	10/1/20
105-120	10/1/20

PROJECT NO.	DATE
105-120	10/1/20
105-120	10/1/20

PROJECT NO.	DATE
105-120	10/1/20
105-120	10/1/20

PROJECT NO.	DATE
105-120	10/1/20
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PROJECT NO.	DATE
105-120	10/1/20
105-120	10/1/20

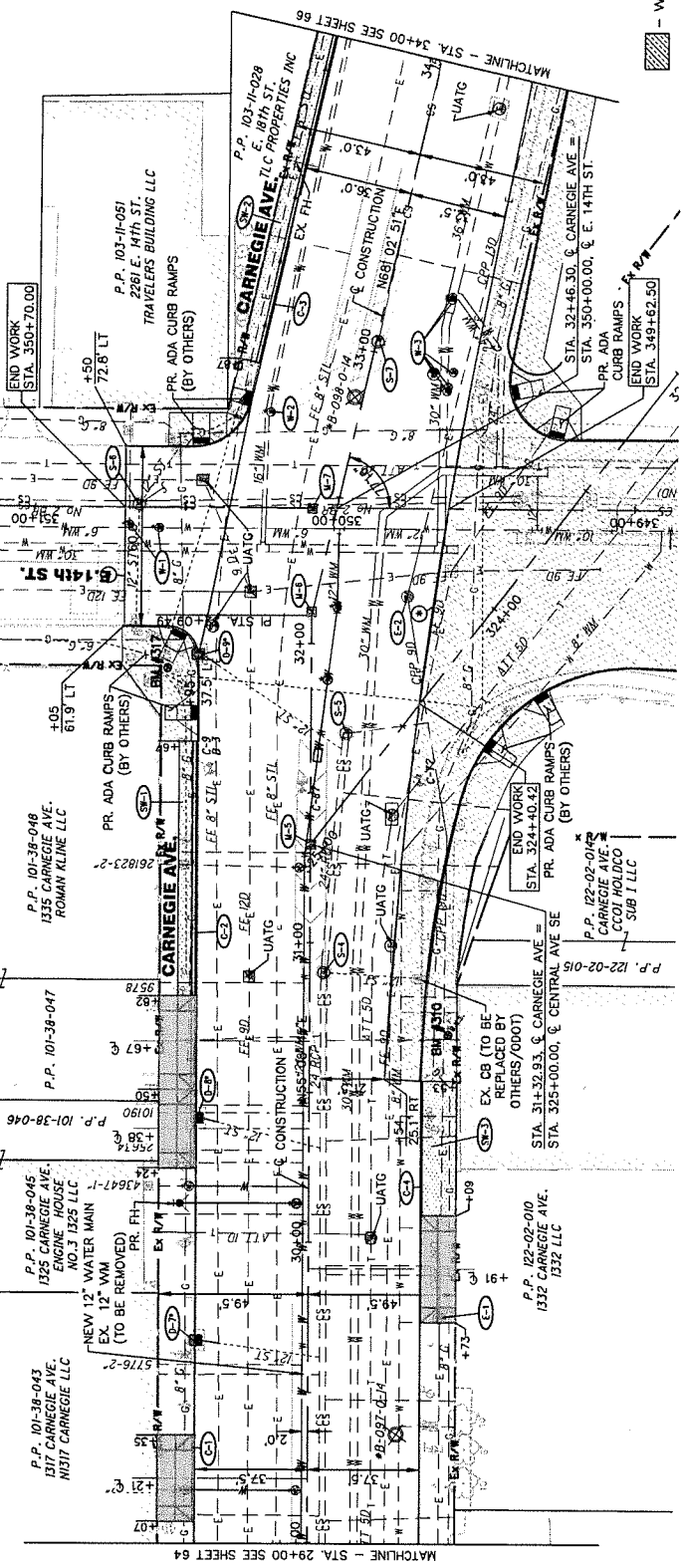
PROJECT NO.	DATE
105-120	10/1/20
105-120	10/1/20

STATION	FROM	TO	DESCRIPTION
E1	24+00.00	24+00.00	RT
M3-H4	24+00.00	24+00.00	RT
SW1-SW5	24+00.00	24+00.00	LT
SW6-SW10	24+00.00	24+00.00	RT
C1-C2	24+00.00	24+00.00	LT
C3-C7	24+00.00	24+00.00	RT
TOTALS CARRIED TO SUBSUMMARY	3370	0	563

REF. NO.	STATION	SIDE	DESCRIPTION	QUANTITY
202	202	RT	WALK REMOVED, AS PER PLAN	3370
202	202	RT	PARKING MISC. REMOVED, AS PER PLAN	0
202	202	RT	CURB REMOVED, AS PER PLAN	563
202	202	RT	REMOVAL MISC. MONUMENT ASSEMBLY REMOVED	2
202	202	RT	REMOVAL MISC. POLE FOUNDATION REMOVED	1
202	202	RT	GUARD POST REMOVED	0
209	209	RT	LINEAR GRADING, AS PER D-20	0
605	605	RT	6" SHALLOW PIPE UNDERDRAIN WITH GEOTEXTILE FABRIC	420
608	608	RT	4" CONCRETE WALK, AS PER D-23, D-24, D-76, AS PER PLAN	143
608	608	RT	6" CONCRETE WALK, AS PER D-23, D-24, D-76, AS PER PLAN	143
608	608	RT	CURB CORNER, AS PER PLAN, AS PER D-75	6
609	609	RT	CURB, TYPE 6, AS PER D-23, D-24	563
623	623	RT	MONUMENT ASSEMBLY, AS PER D-40, AS PER PLAN	2
623	623	RT	MONUMENT ASSEMBLY, AS PER D-41, AS PER PLAN	0
625	625	RT	PULL BOX MISC. - PULL BOX ADJUSTED TO GRADE	0
638	638	RT	SERVICE BOX ADJUSTED TO GRADE, AS PER D-39, AS PER PLAN	0
638	638	RT	VALVE BOX ADJUSTED TO GRADE, AS PER D-39, AS PER PLAN	0
638	638	RT	WATER MANHOLE ADJUSTED TO GRADE, AS PER D-39, AS PER PLAN	0
638	638	RT	PRUNING EXISTING TREE, AS PER PLAN, AS PER D-69	0
653	653	RT	6" TOPSOIL FURNISHED AND PLACED	0
659	659	RT	MISC. MANHOLE VALT ADJUSTED TO GRADE, AS PER D-39 (CFF)	1
659	659	RT	SEEDING AND MULCHING, CLASS 1, AS PER D-66, AS PER PLAN	0

PROJECT NO.	DATE
105-120	10/1/20
105-120	10/1/20

CROSS REFERENCES	
SHEET NO.	DESCRIPTION
57-62	SUBSUMMARIES
87-97	INTERSECTION DETAILS
105-120	TRAFFIC CONTROL PLANS
BENCHMARK #310	
MAG NAIL SET	
STA. 30+69.34, 46.57' RT.	
ELEV. 673.11'	
BENCHMARK #317	
MAG NAIL SET	
STA. 31+91.98, 47.39' LT.	
ELEV. 671.86'	
END WORK	
STA. 350+70.00	



PLAN / SUBSUMMARY - CARNEGIE AVENUE
STA. 29+00 TO STA. 34+00

CARNEGIE AVENUE
PROJECT NO. M-1296

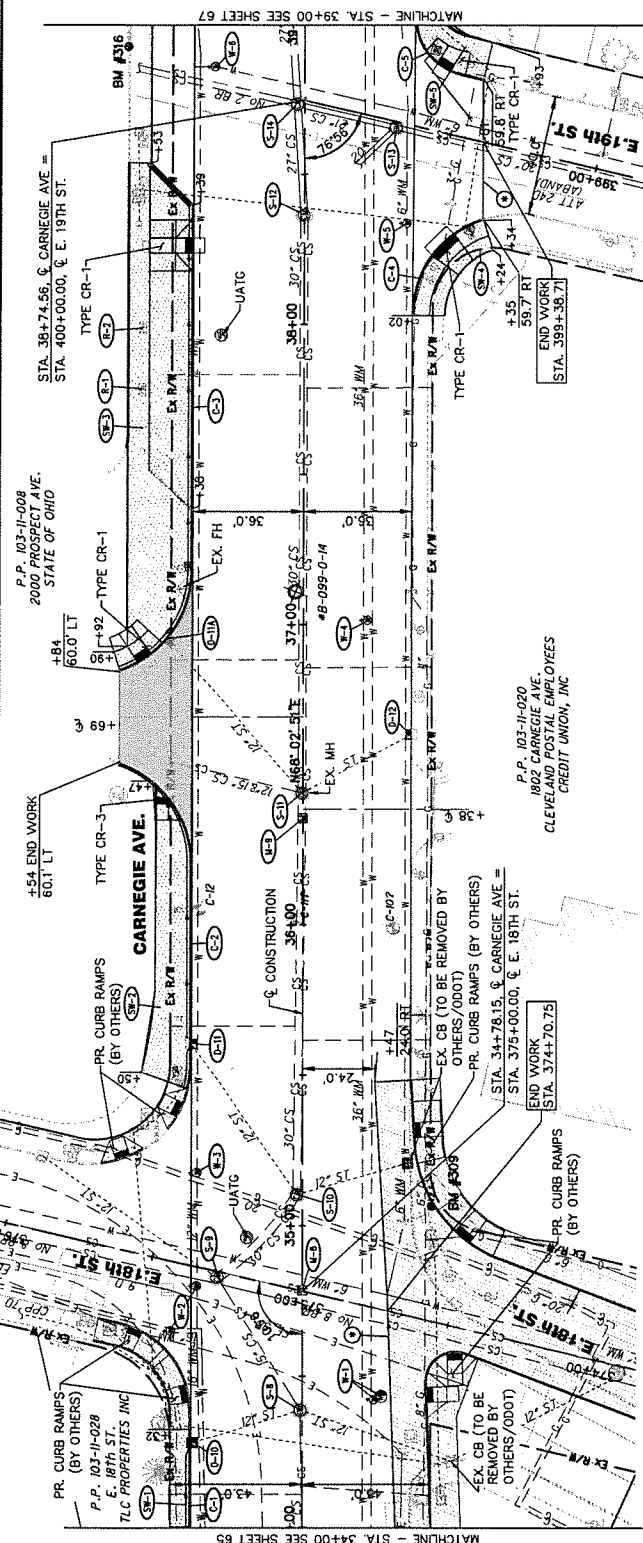
- NOTE:
1. FOR LEGEND AND NOTES, SEE SHEET 63.
 2. FOR SYMBOLS LEGEND, SEE SHEET 13.
 3. * INDICATES EX. CB TO BE REMOVED AND REPLACED BY PR. CB.

— WORK (BY OTHERS)

STATION		SIDE		2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022
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CROSS REFERENCES		DESCRIPTION	SHEET NO.
SUBSUMMARIES		INTERSECTION DETAILS	57-62
TRAFFIC CONTROL PLANS		105-120	87-67
 		CHANGED TMA UNCHANGED SUP	

BENCHMARK #309	STA. 35+06.36, 43.33' RT.	ELEV. 670.23'
BENCHMARK #316	MAG NAIL SET	STA. 38+92.47, 57.75' LT.
ELEV. 672.03'		



 - WORK (BY OTHERS)

NOTE:

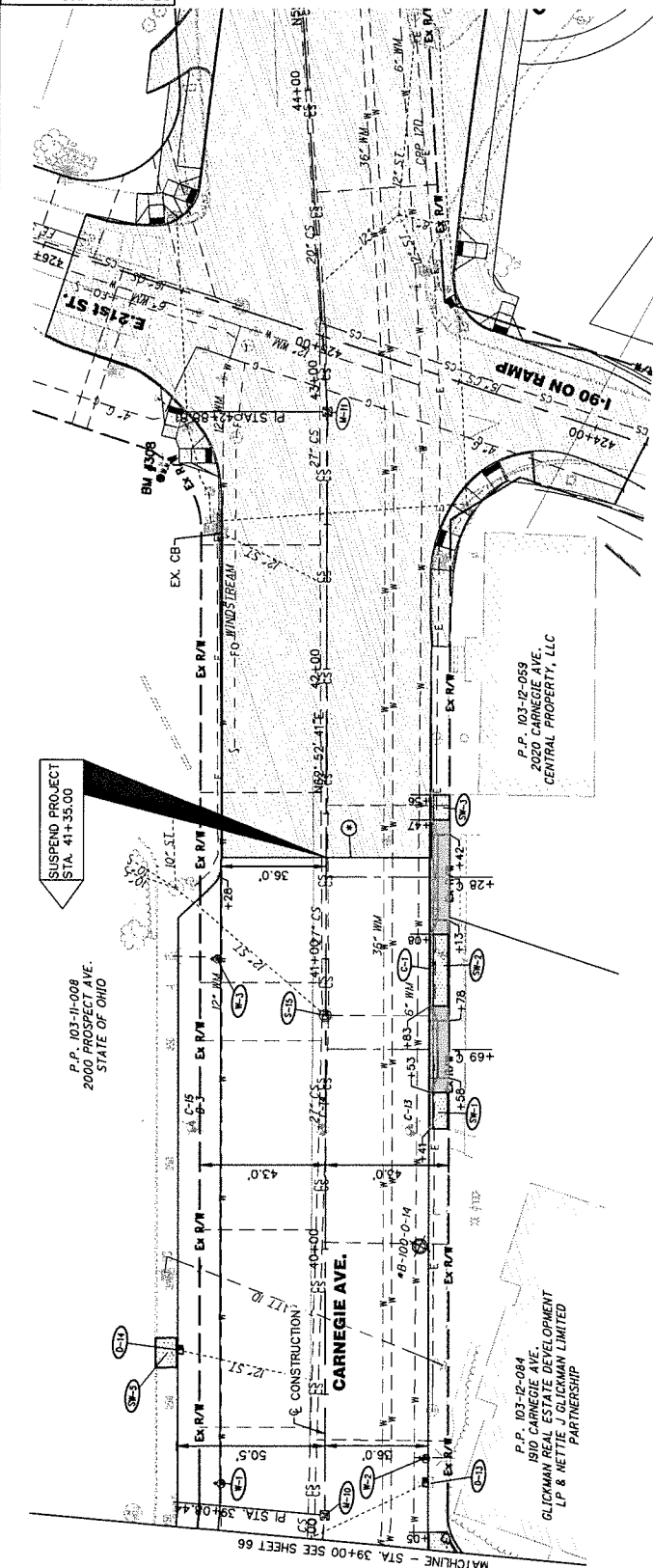
1. FOR LEGEND AND NOTES, SEE SHEET 63.
2. FOR SYMBOLS LEGEND, SEE SHEET 13.
3. * INDICATES EX. CB TO BE REMOVED AND REPLACED BY PR. CB.

REF NO.	STATION		SIDE	WALK REMOVED, AS PER PLAN	REMOVAL MISC. PARKING METER	CURB REMOVED AS PER PLAN	REMOVAL MISC. MONUMENT ASSEMBLY REMOVED	REMOVAL MISC. POLE FOUNDATION REMOVED AS PER PLAN	GUARD POST REMOVED	LINEAR GRADING, AS PER D-20	6" SHALLOW PIPE GEOTEXTILE FABRIC	4" CONCRETE WALK, AS PER D-23, D-24, D-76, AS PER PLAN	6" CONCRETE WALK, AS PER D-23, D-24, D-76, AS PER PLAN	CURB RAMP, AS PER PLAN, AS PER D-75	CURB, TYPE 6, AS PER D-23, D-24	MONUMENT ASSEMBLY, AS PER D-40, AS PER PLAN	MONUMENT ASSEMBLY D-41, AS PER PLAN	PULL BOX MISC. PULL BOX ADJUSTED TO GRADE	SERVICE BOX ADJUSTED TO GRADE, AS PER D-39, AS PER PLAN	VALVE BOX ADJUSTED TO GRADE, AS PER D-39, AS PER PLAN	WATER MANHOLE ADJUSTED TO GRADE, AS PER D-39, AS PER PLAN	PRUNING EXISTING TREE, AS PER PLAN, AS PER D-69	SPECIAL	6" TOPSOIL FURNISHED AND PLACED	MISC. MANHOLE/VAULT ADJUSTED TO GRADE, AS PER D-39 (CPP)	SPECIAL	SEEDING AND MULCHING CLASS 1, AS PER D-66, AS PER PLAN	
	FROM	TO																										
R1-R2	34+00.00	39+00.00	LT																									
M8-M9	34+00.00	39+00.00	LT/RT	2			2									2	1				7							
W1-W6	34+00.00	39+00.00	LT/RT																									
SW1-SW3	34+00.00	39+00.00	LT	4587									4587															
SW4-SW5	34+00.00	39+00.00	RT	717									717															
C1-C3	34+00.00	39+00.00	LT		338						338			3	338													
C4-C5	34+00.00	39+00.00	RT			81								2	81													
TOTAL S CARRIED TO SUBSUMMARY				5305	2	419	2	0	0	0	419	0	5305	5	419	2	1	0	0	0	7	0	0	0	0	0	0	0

PLAN / SUBSUMMARY - CARNEGIE AVENUE
STA. 39+00 TO STA. 44+00

		CHANGED
		SUP
CROSS REFERENCES SHEET NO.	DESCRIPTION SUBSUMMARS INTERSECTION DETAILS TRAFFIC CONTROL PLANS	DATE
		TMA
		105-120
		87-97
		57-62

BENCHMARK #308
MAG NAIL SET
STA. 42+65.93, 56.45' LT.
ELEV. 672.10'



NOTE:

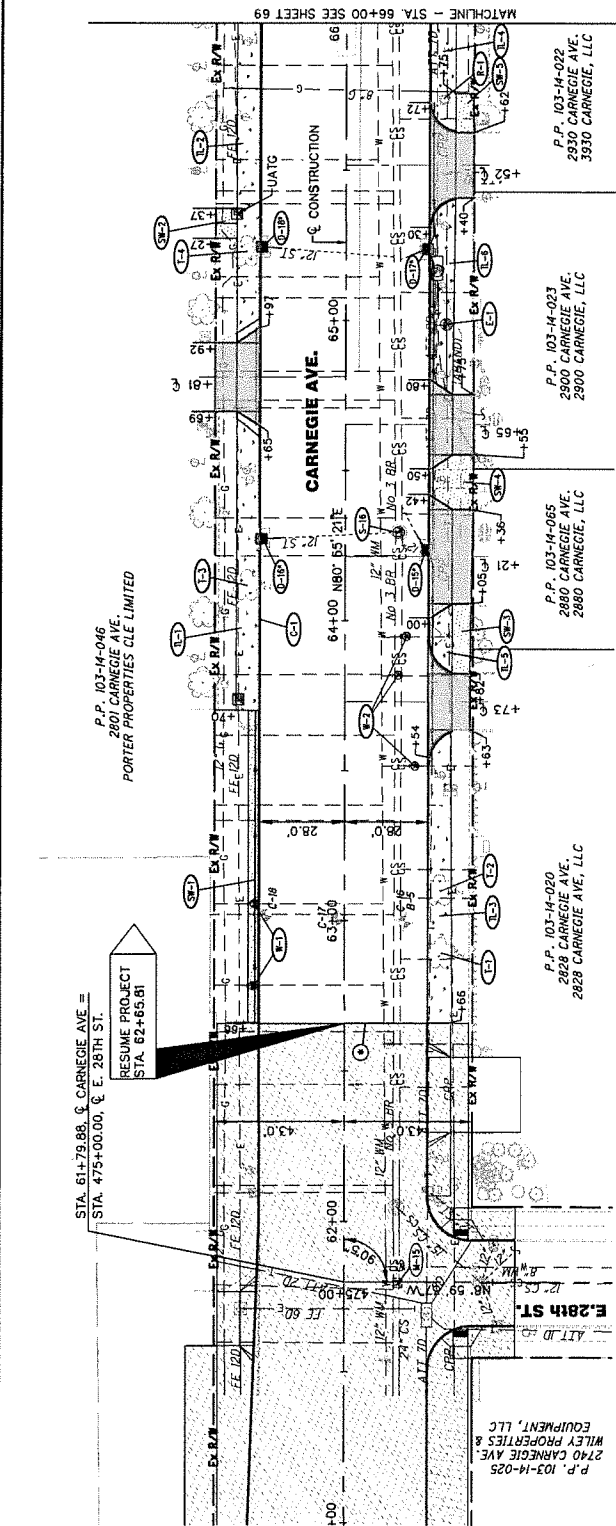
1. FOR LEGEND AND NOTES, SEE SHEET 63.
2. FOR SYMBOLS LEGEND, SEE SHEET 13.
3. * INDICATES EX. CB TO BE REMOVED AND REPLACED BY PR. CB.

- WORK (BY OTHERS)

[illegible]

PLAN / SUBSUMMARY - CARNEGIE AVENUE
STA. 61+00 TO STA. 66+00

		SHEET No.
		CROSS REFERENCES
DESCRIPTION	SUBSUMMARIES	57-62
INTERSECTION DETAILS	TRAFFIC CONTROL PLANS	87-97
105-120	TMA	105-120
57-62	SUP	57-62

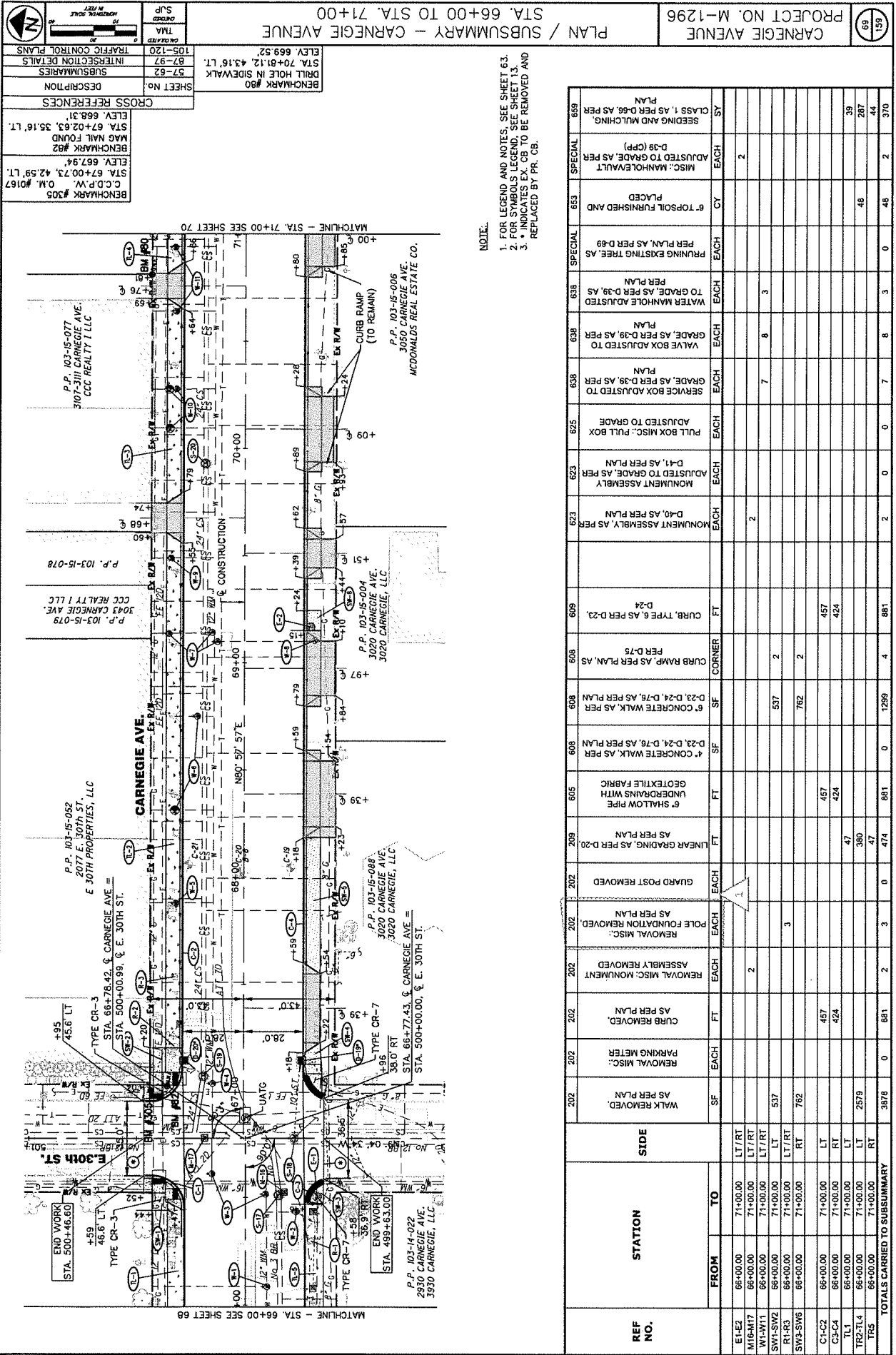


— WORK (BY OTHERS)

NOTE:

1. FOR LEGEND AND NOTES, SEE SHEET 63.
2. FOR SYMBOLS LEGEND, SEE SHEET 13.
3. * INDICATES EX. CB TO BE REMOVED AND REPLACED BY PR. CB.

[illegible]



CROSS REFERENCES	
BENCHMARK #305	C.C.P.W. O.M. #0167
STA. 67+00.73, 42.59' LT.	ELEV. 667.94'
BENCHMARK #82	MAG NAIL FOUND
STA. 67+02.63, 35.16' LT.	ELEV. 668.31'
CROSS REFERENCES	
SUBSUMMARIES	
INTERSECTION DETAILS	
TRAFFIC CONTROL PLANS	
GENERAL NOTES	
SHEET NO.	
DESCRIPTION	
BENCHMARK #80	
STA. 70+81.12, 43.16' LT.	
ELEV. 669.52'	
BENCHMARK #80	
STA. 70+81.12, 43.16' LT.	
ELEV. 669.52'	
BENCHMARK #80	
STA. 70+81.12, 43.16' LT.	
ELEV. 669.52'	

CROSS REFERENCES	
BENCHMARK #305	C.C.P.W. O.M. #0167
STA. 67+00.73, 42.59' LT.	ELEV. 667.94'
BENCHMARK #82	MAG NAIL FOUND
STA. 67+02.63, 35.16' LT.	ELEV. 668.31'
CROSS REFERENCES	
SUBSUMMARIES	
INTERSECTION DETAILS	
TRAFFIC CONTROL PLANS	
GENERAL NOTES	
SHEET NO.	
DESCRIPTION	
BENCHMARK #80	
STA. 70+81.12, 43.16' LT.	
ELEV. 669.52'	
BENCHMARK #80	
STA. 70+81.12, 43.16' LT.	
ELEV. 669.52'	

PLAN / SUBSUMMARY - CARNEGIE AVENUE
PROJECT NO. M-1296
STA. 66+00 TO STA. 71+00

STATION		SIDE	REF. NO.	STATION		SIDE	REF. NO.
FROM	TO			FROM	TO		
66+00.00	71+00.00	LT/RT	E1-E2	66+00.00	71+00.00	LT/RT	E1-E2
66+00.00	71+00.00	LT/RT	M1-M17	66+00.00	71+00.00	LT/RT	M1-M17
66+00.00	71+00.00	LT/RT	W1-W11	66+00.00	71+00.00	LT/RT	W1-W11
66+00.00	71+00.00	LT	SW1-SW2	66+00.00	71+00.00	LT	SW1-SW2
66+00.00	71+00.00	LT	R1-R3	66+00.00	71+00.00	LT	R1-R3
66+00.00	71+00.00	RT	SW3-SW6	66+00.00	71+00.00	RT	SW3-SW6
66+00.00	71+00.00	LT	C1-C2	66+00.00	71+00.00	LT	C1-C2
66+00.00	71+00.00	RT	C3-C4	66+00.00	71+00.00	RT	C3-C4
66+00.00	71+00.00	LT	TL1	66+00.00	71+00.00	LT	TL1
66+00.00	71+00.00	LT	TR2-TL4	66+00.00	71+00.00	LT	TR2-TL4
66+00.00	71+00.00	RT	TR5	66+00.00	71+00.00	RT	TR5
TOTALS CARRIED TO SUBSUMMARY				TOTALS CARRIED TO SUBSUMMARY			

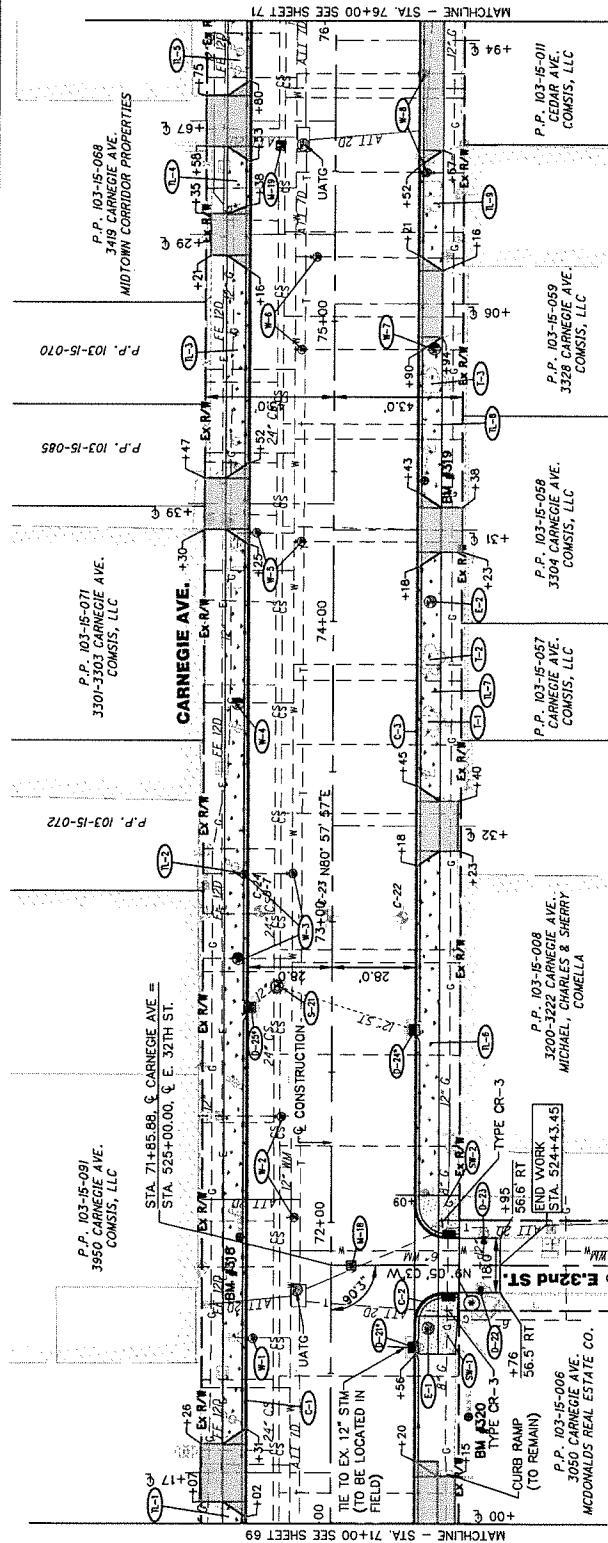
STATION		SIDE	REF. NO.	STATION		SIDE	REF. NO.
FROM	TO			FROM	TO		
66+00.00	71+00.00	LT/RT	E1-E2	66+00.00	71+00.00	LT/RT	E1-E2
66+00.00	71+00.00	LT/RT	M1-M17	66+00.00	71+00.00	LT/RT	M1-M17
66+00.00	71+00.00	LT/RT	W1-W11	66+00.00	71+00.00	LT/RT	W1-W11
66+00.00	71+00.00	LT	SW1-SW2	66+00.00	71+00.00	LT	SW1-SW2
66+00.00	71+00.00	LT	R1-R3	66+00.00	71+00.00	LT	R1-R3
66+00.00	71+00.00	RT	SW3-SW6	66+00.00	71+00.00	RT	SW3-SW6
66+00.00	71+00.00	LT	C1-C2	66+00.00	71+00.00	LT	C1-C2
66+00.00	71+00.00	RT	C3-C4	66+00.00	71+00.00	RT	C3-C4
66+00.00	71+00.00	LT	TL1	66+00.00	71+00.00	LT	TL1
66+00.00	71+00.00	LT	TR2-TL4	66+00.00	71+00.00	LT	TR2-TL4
66+00.00	71+00.00	RT	TR5	66+00.00	71+00.00	RT	TR5
TOTALS CARRIED TO SUBSUMMARY				TOTALS CARRIED TO SUBSUMMARY			

STATION		SIDE	REF. NO.	STATION		SIDE	REF. NO.
FROM	TO			FROM	TO		
66+00.00	71+00.00	LT/RT	E1-E2	66+00.00	71+00.00	LT/RT	E1-E2
66+00.00	71+00.00	LT/RT	M1-M17	66+00.00	71+00.00	LT/RT	M1-M17
66+00.00	71+00.00	LT/RT	W1-W11	66+00.00	71+00.00	LT/RT	W1-W11
66+00.00	71+00.00	LT	SW1-SW2	66+00.00	71+00.00	LT	SW1-SW2
66+00.00	71+00.00	LT	R1-R3	66+00.00	71+00.00	LT	R1-R3
66+00.00	71+00.00	RT	SW3-SW6	66+00.00	71+00.00	RT	SW3-SW6
66+00.00	71+00.00	LT	C1-C2	66+00.00	71+00.00	LT	C1-C2
66+00.00	71+00.00	RT	C3-C4	66+00.00	71+00.00	RT	C3-C4
66+00.00	71+00.00	LT	TL1	66+00.00	71+00.00	LT	TL1
66+00.00	71+00.00	LT	TR2-TL4	66+00.00	71+00.00	LT	TR2-TL4
66+00.00	71+00.00	RT	TR5	66+00.00	71+00.00	RT	TR5
TOTALS CARRIED TO SUBSUMMARY				TOTALS CARRIED TO SUBSUMMARY			

STATION		SIDE	REF. NO.	STATION		SIDE	REF. NO.
FROM	TO			FROM	TO		
66+00.00	71+00.00	LT/RT	E1-E2	66+00.00	71+00.00	LT/RT	E1-E2
66+00.00	71+00.00	LT/RT	M1-M17	66+00.00	71+00.00	LT/RT	M1-M17
66+00.00	71+00.00	LT/RT	W1-W11	66+00.00	71+00.00	LT/RT	W1-W11
66+00.00	71+00.00	LT	SW1-SW2	66+00.00	71+00.00	LT	SW1-SW2
66+00.00	71+00.00	LT	R1-R3	66+00.00	71+00.00	LT	R1-R3
66+00.00	71+00.00	RT	SW3-SW6	66+00.00	71+00.00	RT	SW3-SW6
66+00.00	71+00.00	LT	C1-C2	66+00.00	71+00.00	LT	C1-C2
66+00.00	71+00.00	RT	C3-C4	66+00.00	71+00.00	RT	C3-C4
66+00.00	71+00.00	LT	TL1	66+00.00	71+00.00	LT	TL1
66+00.00	71+00.00	LT	TR2-TL4	66+00.00	71+00.00	LT	TR2-TL4
66+00.00	71+00.00	RT	TR5	66+00.00	71+00.00	RT	TR5
TOTALS CARRIED TO SUBSUMMARY				TOTALS CARRIED TO SUBSUMMARY			

PLAN / SUBSUMMARY - CARNEGIE AVENUE
STA. 71+00 TO STA. 76+00

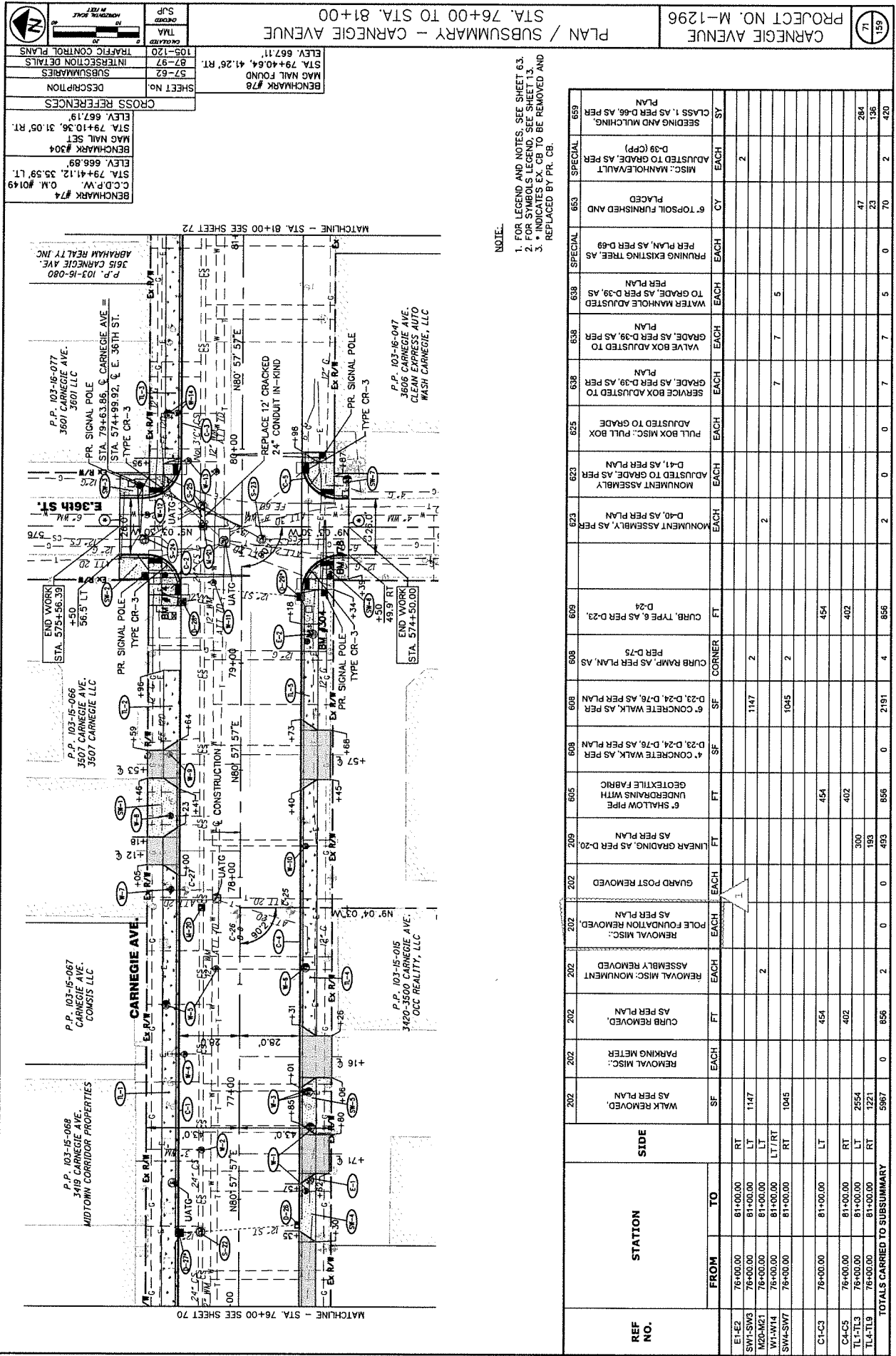
	S.P. 0.0000 M.A. 0.0000	AVENUE STA. 71+35.74, 46.25' RT. BENCHMARK #520 MAG NAIL SET ELEV. 669.66'
	105-120 87-97 57-62 SHEET NO.	



NOTE:

1. FOR LEGEND AND NOTES, SEE SHEET 63.
2. FOR SYMBOLS LEGEND, SEE SHEET 13.
3. * INDICATES EX. CB TO BE REMOVED AND REPLACED BY PR. CB.

[illegible]



NOTE:
 1. FOR LEGEND AND NOTES, SEE SHEET 63.
 2. FOR SYMBOLS LEGEND, SEE SHEET 13.
 3. * INDICATES EX. CB TO BE REMOVED AND REPLACED BY PR. CB.

REF NO.	STATION		SIDE	ITEMS																										TOTALS CARRIED TO SUBSUMMARY	
	FROM	TO		WALK REMOVED, AS PER PLAN	REMOVAL MISC.: PARKING METER	CURB REMOVED, AS PER PLAN	REMOVAL MISC.: MONUMENT ASSEMBLY REMOVED	REMOVAL MISC.: POLE FOUNDATION REMOVED, AS PER PLAN	GUARD POST REMOVED	LINEAR GRADING, AS PER D-20	6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	4" CONCRETE WALK, AS PER D-23, D-24, D-76, AS PER PLAN	6" CONCRETE WALK, AS PER D-23, D-24, D-76, AS PER PLAN	CURB RAMP, AS PER PLAN, AS PER D-75	CURB, TYPE 6, AS PER D-23, D-24	MONUMENT ASSEMBLY, AS PER D-40, AS PER PLAN	MONUMENT ASSEMBLY ADJUSTED TO GRADE, D-41, AS PER PLAN	PULL BOX MISC.: PULL BOX ADJUSTED TO GRADE	SERVICE BOX ADJUSTED TO GRADE, AS PER D-39, AS PER PLAN	VALVE BOX ADJUSTED TO GRADE, AS PER D-39, AS PER PLAN	WATER MANHOLE ADJUSTED TO GRADE, AS PER D-39, AS PER PLAN	PRUNING EXISTING TREE, AS PER PLAN, AS PER D-69	6" TOPSOIL FURNISHED AND PLACED	MISC.: MANHOLE/VALVE ADJUSTED TO GRADE, AS PER D-39 (C/P)	SEEDING AND MULCHING, CLASS 1, AS PER D-66, AS PER PLAN						
E1-E2	76+00.00	81+00.00	RT					1						2											2						
SW1-SW3	76+00.00	81+00.00	LT	1147									1147		2																
M20-M21	76+00.00	81+00.00	LT				2																								
W1-W14	76+00.00	81+00.00	LT/RT																												
SW4-SW7	76+00.00	81+00.00	RT	1045								1045		2																	
C1-C3	76+00.00	81+00.00	LT			454					454																				
C4-C5	76+00.00	81+00.00	RT			402					402																				
TL1-TL3	76+00.00	81+00.00	LT	2554					300																		284				
TL4-TL9	76+00.00	81+00.00	RT	1221					193																		136				
TOTALS CARRIED TO SUBSUMMARY				5967	0	856	2	0	0	493	856	0	2191	4	856	2	0	0	7	7	5	0	70	2			420				

CROSS REFERENCES	
BENCHMARK #74	C.D.P.W. O.M. #0149
BENCHMARK #304	ELEV. 666.89
MAG NAIL SET	STA. 79+41.12, 35.59' LT.
STA. 79+10.36, 31.05' RT.	ELEV. 667.19
SHEET NO.	
DESCRIPTION	
SUBSUMMARIES	
INTERSECTION DETAILS	
TRAFFIC CONTROL PLANS	
CALCULATED	
CHECKED	
SVP	

BENCHMARK #78	
MAG NAIL FOUND	
STA. 79+40.64, 41.26' RT.	
ELEV. 667.11	

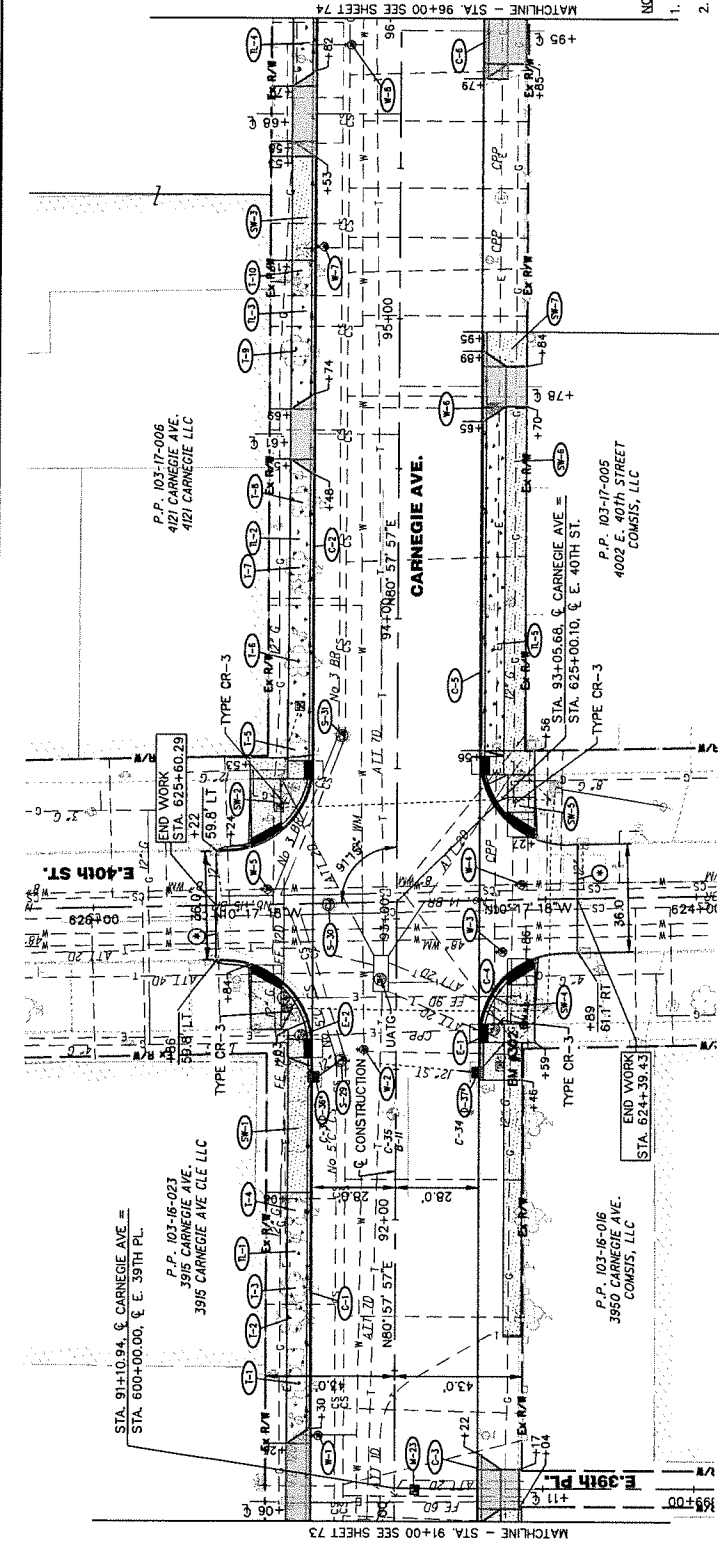
PLAN / SUBSUMMARY - CARNEGIE AVENUE
 PROJECT NO. M-1296
 STA. 76+00 TO STA. 81+00

PLAN / SUBSUMMARY - CARNEGIE AVENUE
STA. 91+00 TO STA. 96+00

		SHEET NO. 57-62 SUBSUMMARES INTERSECTION DETAILS TRAFFIC CONTROL PLANS 105-1240
CROSS REFERENCES DESCRIPTION BENCHMARK 3202 MAC NAIL SET STA. 92+64.97, 42.96 RT. ELEV. 664.83'		DESIGNED SJP TMA 12/20

NOTE:-

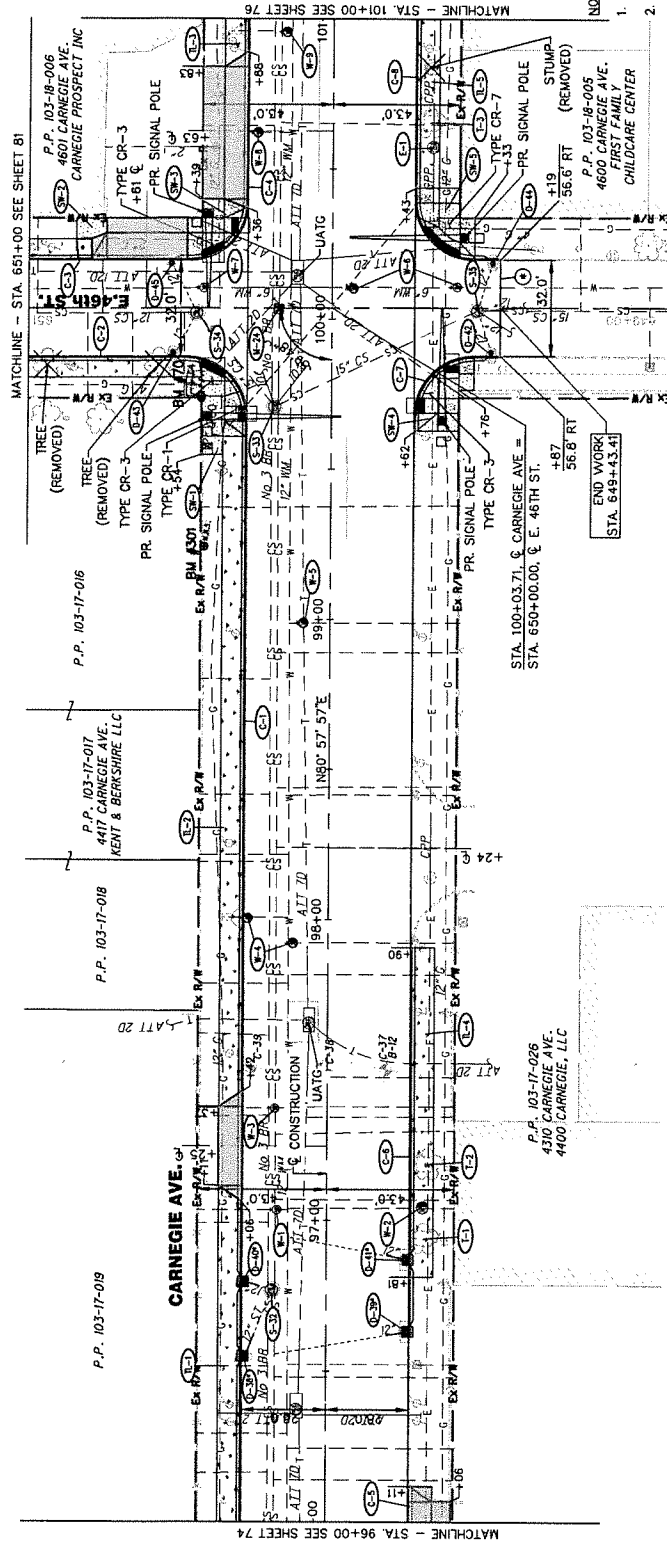
1. FOR 63.
2. FOR 13.
3. • INC AND



REF NO.	STATION		SIDE																							
	FROM	TO	WALK REMOVED, AS PER PLAN	REMOVAL MISC. PARKING METER	CURB REMOVED, AS PER PLAN	REMOVAL MISC. MONUMENT ASSEMBLY REMOVED	REMOVAL MISC. POLE FOUNDATION REMOVED	GUARD POST REMOVED	LINEAR GRADING, AS PER D-20	6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	4" CONCRETE WALK, AS PER D-23, D-24, D-76, AS PER PLAN	6" CONCRETE WALK, AS PER D-23, D-24, D-76, AS PER PLAN	CURB RAMP, AS PER PLAN, AS PER D-75	CURB, TYPE 6, AS PER D-23, D-24	MONUMENT ASSEMBLY, AS PER D-40, AS PER PLAN	MONUMENT ASSEMBLY ADJUSTED TO GRADE, AS PER D-41, AS PER PLAN	PULL BOX MISC. PULL BOX ADJUSTED TO GRADE	SERVICE BOX ADJUSTED TO GRADE, AS PER D-39, AS PER PLAN	VALVE BOX ADJUSTED TO GRADE, AS PER D-39, AS PER PLAN	WATER MANHOLE ADJUSTED TO GRADE, AS PER D-39, AS PER PLAN	PRUNING EXISTING TREE, AS PER PLAN	6" TOPSOIL FURNISHED AND PLACED	MISC. MANHOLE/VAULT ADJUSTED TO GRADE, AS PER D-39 (C/P)	SEEDING AND MULCHING, CLASS 1, AS PER D-66, AS PER PLAN		
T1-110	96+00.00	96+00.00																								
E1-E2	91+00.00	96+00.00																								
M23	91+00.00	96+00.00																								
W1-W8	91+00.00	96+00.00																								
SW1-SW3	91+00.00	96+00.00	1424										1424	2												
SW4-SW7	91+00.00	96+00.00	2396										2396	2												
C1-C2	91+00.00	96+00.00			507																					
C3-C6	91+00.00	96+00.00			269																					
T1-1-T14	91+00.00	96+00.00	1854						500														34		206	
T15	91+00.00	96+00.00	847						120														16	94	300	
TOTALS CARRIED TO SUBSUMMARY			6521	0	776	0	0	0	620	776	0	3620	4		0	1	0	0	7	1	10	50	2			

[illegible]

1. FOR LEGEND AND NOTES, SEE SHEET 63.
2. FOR SYMBOLS LEGEND, SEE SHEET 13.
3. * INDICATES EX. CB TO BE REMOVED AND REPLACED BY PR. CB.

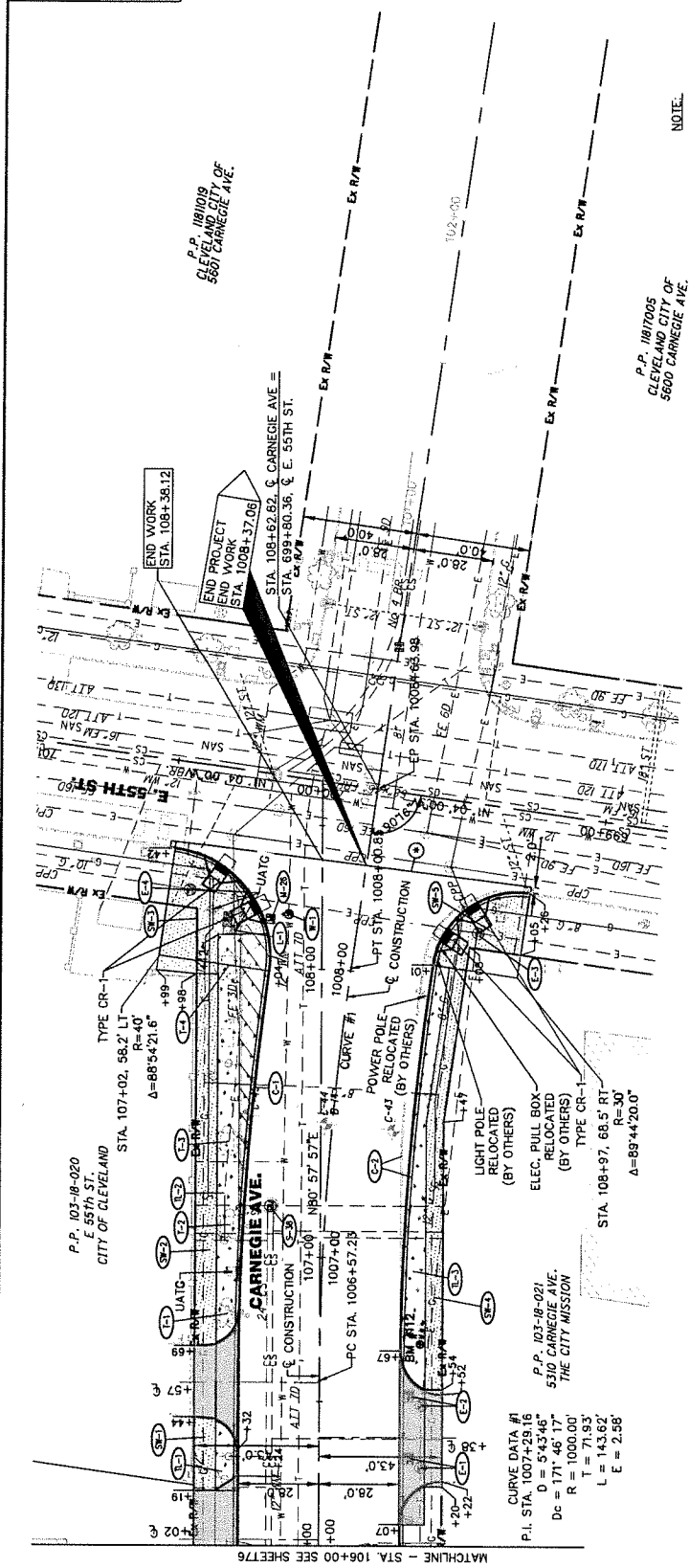
[illegible]

NOTE:

- [illegible]

PLAN / SUBSUMMARY - CARNEGIE AVENUE
STA. 101+00 TO STA. 106+00

				S.P. CONTROL TMA TOTAL 105-120	
CROSS REFERENCES		DESCRIPTION		SHEET NO. 57-62 87-97 INTERSECTION DETAILS SUBSUMMARES TRAFFIC CONTROL PLANS	



NOTE.
1. FOR LEGEND AND NOTES, SEE SHEET 63.
2. FOR SYMBOLS LEGEND, SEE SHEET 13.

[illegible]

City of Cleveland
Mayor's Office of Capital Projects
Division of Engineering and Construction

Carnegie Avenue Rehabilitation
East 9th St. to East 55th St.

ADDENDUM #1
December 5, 2025

Bid Opening Date: Wednesday, December 10, 2025 at 12:00 Noon

- Please find enclosed the revised plans, Bid Unit Price and electronic bid form
- Below are the following clarifications to the questions submitted to Purchasing.

Question 1: Bid Form Bid Unit Price Sheet states a completion date of 12 months from the date of Notice to Proceed. Based on an estimated start date of April 15, 2026, the project will go into the 2027 season. Will the City issue a stop date of November 15, 2026? And a separate NTP for the remaining work to be completed in 2027?

Answer: The Bid Form Unit Price Sheet has been revised to reflect 15 months, to match the plans. This item has been included in the Addendum.

Question 2: Plan sheet 25 Construction Sequence notes states Carnegie Ave within limits of this project shall be accomplished in sections that can be completed within 1 construction season. Please clarify this note, this note conflicts with the current completion date of 12 months or 365 days. Completion date is greater than "one construction season".

Answer: The note in question indicates that the sections of Carnegie Avenue, E28th to E55th and E9th to E19th, as detailed in the Construction Sequencing note, are to be completed within their respective season. Not that the entire job is to be finished in one season.

Question 3: Maintenance of Traffic General Notes page 25 under Phase 3 states:

prior to Phase 3 construction water main installation may begin during the winter months. This conflicts with the winter traffic limitation note on page 23 and construction sequence note that states all lanes shall be open to traffic between November 15 and April 15? Please clarify both notes and confirm; water main installation and all lanes open to traffic?

Answer: A clarification to the Construction Sequencing note for Phase 3 has been included in the Addendum.

Question 4: Maintenance of Traffic Phase 3 page 47 at +/- station 20+00 on E. 9th St. states contractor to seek noise variance to perform waterline replacement work on the intersection at night between the hours of 7PM to 7AM. This variance needs to be obtained by the City of Cleveland Engineering prior to bid. Plans are depicting this work at night. Bidders cannot be liable for obtaining a variance that might not be approved. The variance needed must be confirmed and obtained by the City of Cleveland for bidding purposes. Please advise.

Answer: The contractor will be responsible for preparing and submitting the required paperwork for the noise variance. The City will review and approve the variance once the contractor is under contract; however, the approval will not occur prior to the bid.

Question 5: Page 19 Item special Pipe Cleanout note conflicts with detail specifications D-35. Due to means beyond bidder's control we cannot determine accurately how dirty existing storm lines could be, nor accurately estimate a quantity of pipe cleaning. It is not fair or reasonable to put the burden on bidders and to add unneeded costs to the bid. Cleanout of pipe should not be incidental to the new catch basin bid items as currently spelled out in this note. Bid item #52 is set up for cleaning and televising existing sewers? Please consider removing note and confirm any televising and cleaning of pipe will be paid under bid item 52.

Answer: The Pipe Cleanout note has been removed as part of the Addendum.

Question 6: Bid item 41, 24" conduit type B, 706.08 ES conflicts with page 18 Construction Standards for sewers (c). Please advise if 24" conduit should be 706.08 or 706.02.

Answer: The material specification for the Item 611 – 24" Conduit has been revised to reflect 706.02 as part of the Addendum – Notes, General Summary, SubSummary tables and Bid Item List.

Question 7: Note on page 16, 4" or 6" concrete walk, as per plan 5th paragraph states when decorative walk is encountered, contractor shall remove the brick and salvage for reuse. Any decorative walk outside curb ramp area is to be reinstalled. Please confirm that this decorative brick shall be reinstalled by others, not by contractor. There is no bid item for decorative walk, or brick walk on this contract. Please clarify.

Answer: There are no existing decorative walks within the project limits. Therefore, no removal, salvaging, or reinstallation of decorative brick is required, and no related bid item is needed. The paragraph about decorative walks has been removed as part of the Addendum

Question 8: Page 16, note 4" or 6" concrete walk, as per plan, paragraphs 6 and 7 regarding pruning roots for sidewalk installation. Due to various unknown potential costs associated with root pruning outlined specifically in D-71, we request the city add an allowance new bid item for this scope. This should not be at the risk of the contractor and should be handled by the City of Cleveland and Cleveland's Urban Forestry Manager. Please advise.

Answer: Root pruning will be considered incidental to the 4" or 6" Concrete Walk item, and no separate bid item or allowance will be added. Not all sidewalks within the project are being replaced, and the locations where sidewalk replacement occurs adjacent to trees are minimal. The project area has a limited number of trees overall, and any necessary coordination regarding root pruning will be handled as part of standard construction activities.

Question 9: Bid ref 196 item special bond fees. Please advise as to how this amount was established. Typically, bond fees are not setup as an allowance.

Answer: The quantity/cost associated with Item Special – Bond Fees has been removed from the plans. In its place, "1% Of Construction Costs" has been added as a descriptor to the Item Name. This is reflected in the Addendum – Notes, General Summary and Bid Item List.

Question 10: Could the city please provide an electronic bid form?

Answer: The revised electronic Bid Item List will be provided with the Addendum.

Question 11: Please advise as to how this project is being funded.

Answer: The project is funded through DOPWIC, Utility and City GO bonds

Question 12: Bid Ref no.13 removal misc.: pole foundation and/or vault removed, as per

plan needs to be modified/revised. There are significant differences in scope to combine these items as noted per sheet 15. Vault removed should be a separate item. Please review and advise.

Answer: The item name for Bid Ref No. 13 has been revised in the Addendum to eliminate references to Vault Removed. This change is reflected in the Notes, General Summary, Subsummary tables, and Bid Item List.

Question 13: Bid ref no. 87 has an estimated quantity of 0? Please review this quantity and advise why it is on the current bid form.

Answer: The Bid Ref No. 87 item has been removed from the Plans and Bid Item List as part of the Addendum.

THE BIDDER SHALL ACKNOWLEDGE RECEIPT OF ADDENDUM #1 BY SIGNING BELOW AND ATTACHING THIS PAGE TO THE BID

Signature of Bidder

Date

CARNEGIE AVE REHABILITATION PHASE 3 - EAST 9TH STREET TO EAST 55TH STREET
CITY OF CLEVELAND, MAYORS OFFICE OF CAPITAL PROJECTS, DIVISION OF ENGINEERING AND CONSTRUCTION

SCHEDULE OF ITEMS

REF NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	BID TOTAL
ROADWAY					
1	ITEM 201 - CLEARING AND GRUBBING, AS PER PLAN	LUMP	1		
2	ITEM 202 - PAVEMENT REMOVED, AS PER D-15, AS PER PLAN	SY	2372		
3	ITEM 202 - PAVEMENT REMOVED FOR DRIVES, AS PER D-15, AS PER PLAN	SY	2917		
4	ITEM 202 - WALK REMOVED, AS PER PLAN	SF	67433.1		
5	ITEM 202 - CURB REMOVED, AS PER PLAN	FT	10328.8		
6	ITEM 202 - PIPE REMOVED, 24" AND UNDER	FT	96		
7	ITEM 202 - GUARD POST REMOVED	EACH	2		
8	ITEM 202 - SPECIAL - FILL AND PLUG EXISTING CONDUIT	FT	10		
9	ITEM 202 - CATCH BASIN OR INLET REMOVED, AS PER PLAN	EACH	3		
10	ITEM 202 - REMOVAL MISC.: PARKING METER	EACH	2		

Signature _____

CARNegie AVE REHABILITATION PHASE 3 - EAST 9TH STREET TO EAST 55TH STREET
CITY OF CLEVELAND, MAYORS OFFICE OF CAPITAL PROJECTS, DIVISION OF ENGINEERING AND CONSTRUCTION

SCHEDULE OF ITEMS

REF NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	BID TOTAL
11	ITEM 202 - REMOVAL MISC.: MONUMENT ASSEMBLY REMOVED	EACH	15		
12	ITEM 202 - REMOVAL MISC.: POLE REMOVED (WOOD OR METAL/CONCRETE), AS PER D-18, AS PER PLAN	EACH	5		
13	ITEM 202 - REMOVAL MISC.: POLE FOUNDATION REMOVED, AS PER PLAN	EACH	6		
14	ITEM 203 - EXCAVATION	CY	151		
15	ITEM 203 - EMBANKMENT	CY	594		
16	ITEM 203 - ROADWAY, MISC.: BACKFILL MATERIAL - FLOWABLE FILL, AS PER D-31	CY	50		
17	ITEM 204 - SUBGRADE COMPACTION	SY	3530		
18	ITEM 204 - PROOF ROLLING	HOUR	7		
19	ITEM 204 - GEOGRID	SY	1367		
20	ITEM 204 - EXCAVATION OF SUBGRADE AND SUBBASE, AS PER D-16, AS PER PLAN	CY	456		

Signature _____

Date _____

CARNEGIE AVE REHABILITATION PHASE 3 - EAST 9TH STREET TO EAST 55TH STREET
CITY OF CLEVELAND, MAYORS OFFICE OF CAPITAL PROJECTS, DIVISION OF ENGINEERING AND CONSTRUCTION

SCHEDULE OF ITEMS

REF NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	BID TOTAL
21	ITEM 209 - LINEAR GRADING, AS PER D-20, AS PER PLAN	FT	7928		
22	ITEM 608 - 4" CONCRETE WALK, AS PER D-23, D-24, AS PER PLAN	SF	6094		
23	ITEM 608 - 6" CONCRETE WALK, AS PER D-23, D-24, AS PER PLAN	SF	25492		
24	ITEM 608 - CURB RAMP, AS PER D-75, AS PER PLAN	CORNER	43		
25	ITEM 623 - MONUMENT ASSEMBLY, AS PER D-40, AS PER PLAN	EACH	17		
26	ITEM 623 - MONUMENT ASSEMBLY ADJUSTED TO GRADE, AS PER D-41, AS PER PLAN	EACH	9		
SUBTOTAL ROADWAY					

Signature _____

Date _____

CARNEGIE AVE REHABILITATION PHASE 3 - EAST 9TH STREET TO EAST 55TH STREET
CITY OF CLEVELAND, MAYORS OFFICE OF CAPITAL PROJECTS, DIVISION OF ENGINEERING AND CONSTRUCTION
SCHEDULE OF ITEMS

REF NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	BID TOTAL
EROSION CONTROL					
27	ITEM 616 - WATER FOR DUST CONTROL	M GAL	8		
28	ITEM 616 - CALCIUM CHLORIDE	TON	1		
29	ITEM 653 - 6" TOPSOIL FURNISHED AND PLACED	CY	408		
30	ITEM 659 - SOIL ANALYSIS TEST	EACH	2		
31	ITEM 659 - SEEDING AND MULCHING, CLASS 1, AS PER D-66, AS PER PLAN	SY	2803		
32	ITEM 659 - COMMERCIAL FERTILIZER, AS PER D-68	TON	0.63		
33	ITEM 659 - AGRICULTURAL LIME	ACRE	0.58		
34	ITEM 659 - WATER FOR SEEDING, AS PER D-67	M GAL	16		
35	ITEM 659 - MOWING	MSF	21		
36	ITEM 832 - STORM WATER POLLUTION PREVENTION PLAN, AS PER D-22	LUMP	1		
37	ITEM 832 - EROSION CONTROL, AS PER D-22, AS PER PLAN	EACH	\$35,000	\$1.00	\$35,000.00
SUBTOTAL EROSION CONTROL					

Signature _____

CARNegie AVE REHABILITATION PHASE 3 - EAST 9TH STREET TO EAST 55TH STREET
CITY OF CLEVELAND, MAYORS OFFICE OF CAPITAL PROJECTS, DIVISION OF ENGINEERING AND CONSTRUCTION
SCHEDULE OF ITEMS

REF NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	BID TOTAL
DRAINAGE					
38	ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	FT	10545.7		
39	ITEM 611 - 6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	FT	390		
40	ITEM 611 - 12" CONDUIT, TYPE B, 706.08 (ES), AS PER D-32	FT	432		
41	ITEM 611 - 24" CONDUIT, TYPE B, 706.02 (ES), AS PER D-32	FT	18		
42	ITEM 611 - CATCH BASIN ADJUSTED TO GRADE, AS PER D-39	EACH	17		
43	ITEM 611 - CATCH BASIN RECONSTRUCTED TO GRADE, AS PER D-38	EACH	2		
44	ITEM 611 - CATCH BASIN, CITY OF CLEVELAND NO. 1, WITH FLAT GRATE, AS PER D-34, AS PER PLAN	EACH	3		
45	ITEM 611 - CATCH BASIN, CITY OF CLEVELAND NO. 1, AS PER PLAN, AS PER D-34	EACH	39		
46	ITEM 611 - CATCH BASIN, CITY OF CLEVELAND NO. 2, AS PER PLAN, AS PER D-34	EACH	5		
47	ITEM 611 - CATCH BASIN, CITY OF CLEVELAND NO. 3 (TWIN CB-3), AS PER PLAN, AS PER D-34	EACH	1		

Signature _____

CARNEGIE AVE REHABILITATION PHASE 3 - EAST 9TH STREET TO EAST 55TH STREET
CITY OF CLEVELAND, MAYORS OFFICE OF CAPITAL PROJECTS, DIVISION OF ENGINEERING AND CONSTRUCTION

SCHEDULE OF ITEMS

REF NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	BID TOTAL
48	ITEM 611 - MANHOLE ADJUSTED TO GRADE, AS PER D-39, AS PER PLAN	EACH	37		
49	ITEM 611 - MANHOLE RECONSTRUCTED TO GRADE, AS PER D-39, AS PER PLAN	EACH	4		
50	ITEM 611 - VAULT/MANHOLE RECONSTRUCTED TO GRADE, AS PER D-39, AS PER PLAN	EACH	5		
51	ITEM 611 - MISCELLANEOUS METAL (WPC), AS PER D-72	LB	28000		
52	ITEM SPECIAL - CLEAN AND TELEWISE EXISTING SEWER, AS PER D-37	FT	460		
SUBTOTAL DRAINAGE					

Signature _____

Date _____

CARNegie AVE REHABILITATION PHASE 3 - EAST 9TH STREET TO EAST 55TH STREET
CITY OF CLEVELAND, MAYORS OFFICE OF CAPITAL PROJECTS, DIVISION OF ENGINEERING AND CONSTRUCTION

SCHEDULE OF ITEMS

REF NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	BID TOTAL
PAVEMENT					
53	ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR, AS PER PLAN	SY	3684		
54	ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE UNIFORM CROSS SLOPE (3" MIN.), AS PER PLAN	SY	47843		
55	ITEM 254 - PATCHING PLANED SURFACE	SY	267		
56	ITEM 255 - FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC1, AS PER PLAN	SY	14686		
57	ITEM 304 - AGGREGATE BASE, AS PER PLAN	CY	283		
58	ITEM 305 - 9" CONCRETE BASE, AS PER D-23, D-24	CY	468		
59	ITEM 407 - NON-TRACKING TACK COAT	GAL	4976		
60	ITEM 407 - TACK COAT	GAL	4414		
61	ITEM 441 - 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M, AS PER D-29, AS PER PLAN	CY	1733		
62	ITEM 441 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22, AS PER D-29, AS PER PLAN	CY	2425		
63	ITEM 441 - 0" MIN ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), PG64-22, AS PER D-29, AS PER PLAN	CY	50		
64	ITEM 441 - ASPHALT CONCRETE, MISC.: SURFACE REPAIR BEHIND DRIVES AND WALKS (448), AS PER D-29, AS PER PLAN	CY	10		

Signature _____

Page 7 of 22

Date _____

CARNEGIE AVE REHABILITATION PHASE 3 - EAST 9TH STREET TO EAST 55TH STREET
CITY OF CLEVELAND, MAYORS OFFICE OF CAPITAL PROJECTS, DIVISION OF ENGINEERING AND CONSTRUCTION

SCHEDULE OF ITEMS

REF NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	BID TOTAL
65	ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT FOR DRIVEWAYS, AS PER D-23, D-24, AS PER PLAN	SY	2838		
66	ITEM 452 - 9" NON-REINFORCED CONCRETE PAVEMENT FOR DRIVEWAYS, AS PER D-23, D-24	SY	60		
67	ITEM SPECIAL - SURCHARGE FOR CLASS MS CONCRETE, AS PER D-25	CY	200		
68	ITEM SPECIAL - SURCHARGE FOR CLASS FS CONCRETE, AS PER D-26	CY	40		
69	ITEM 609 - CURB, TYPE 6, AS PER D-23, D-24	FT	10546		
SUBTOTAL PAVEMENT					

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CARNegie AVE REHABILITATION PHASE 3 - EAST 9TH STREET TO EAST 55TH STREET
CITY OF CLEVELAND, MAYORS OFFICE OF CAPITAL PROJECTS, DIVISION OF ENGINEERING AND CONSTRUCTION

SCHEDULE OF ITEMS

REF NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	BID TOTAL
WATER WORK					
70	ITEM 202 - PIPE REMOVED, 24" AND UNDER	FT	1225		
71	ITEM 202 - VALVE BOX REMOVED	EACH	5		
72	ITEM 638 - 12" GATE VALVE AND VALVE BOX, COMPLETE IN PLACE, AS PER PLAN	EACH	6		
73	ITEM 638 - FURNISHING AND SETTING 6" FIRE HYDRANT , AS PER PLAN, AS PER D-65	EACH	4		
74	ITEM 638 - FIRE HYDRANT REMOVED, AS PER PLAN	EACH	4		
75	ITEM 638 - VALVE BOX ADJUSTED TO GRADE, AS PER D-39 (CWD)	EACH	89		
76	ITEM 638 - SERVICE BOX ADJUSTED TO GRADE, AS PER D-39 (CWD)	EACH	46		
77	ITEM 638 - WATER WORK, MISC.: WATER METER VAULT ADJUSTED TO GRADE	EACH	6		
78	ITEM 638 - WATER WORK, MISC.: WATER MANHOLE ADJUSTED TO GRADE	EACH	27		

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CARNegie AVE REHABILITATION PHASE 3 - EAST 9TH STREET TO EAST 55TH STREET
CITY OF CLEVELAND, MAYORS OFFICE OF CAPITAL PROJECTS, DIVISION OF ENGINEERING AND CONSTRUCTION
SCHEDULE OF ITEMS

REF NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	BID TOTAL
79	ITEM 638 - WATER WORK, MISC.: WATER METER VAULT RECONSTRUCTED TO GRADE	EACH	2		
80	ITEM 638 - WATER WORK, MISC.: WATER MANHOLE RECONSTRUCTED TO GRADE	EACH	1		
81	ITEM 638 - WATER WORK, MISC.: TEMPORARY WATER SERVICE CONNECTION	EACH	7		
82	ITEM 638 - WATER WORK, MISC.: DIVISION OF WATER CHARGES	DOLLARS	\$18,252	1	\$18,252
83	ITEM 638 - WATER WORK, MISC.: TEMPORARY WATERLINE	FT	1750		
84	ITEM 638 - WATER WORK, MISC.: RETAP, RECONNECT, AND EXTEND 1" COPPER WATER SERVICE CONNECTION (SHORT SIDE), COMPLETE IN PLACE, AS PER PLAN, AS PER D-65	EACH	1		
85	ITEM 638 - WATER WORK, MISC.: RETAP, RECONNECT, AND EXTEND 1.5" COPPER WATER SERVICE CONNECTION (SHORT SIDE), COMPLETE IN PLACE, AS PER PLAN, AS PER D-65	EACH	1		
86	ITEM 638 - WATER WORK, MISC.: RETAP, RECONNECT, AND EXTEND 2" COPPER WATER SERVICE CONNECTION (SHORT SIDE), COMPLETE IN PLACE, AS PER PLAN, AS PER D-65	EACH	5		
87	ITEM NOT USED	0	0		
88	ITEM 638 - WATER WORK, MISC.: 12" WATER MAIN DIP CLASS 52 PUSH ON JOINTS AND FITTINGS AND RESTRAINED MECHANICAL JOINT FITTINGS, COMPLETE IN PLACE, AS PER PLAN	FT	1225		

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CARNEGIE AVE REHABILITATION PHASE 3 - EAST 9TH STREET TO EAST 55TH STREET
CITY OF CLEVELAND, MAYORS OFFICE OF CAPITAL PROJECTS, DIVISION OF ENGINEERING AND CONSTRUCTION
SCHEDULE OF ITEMS

REF NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	BID TOTAL
89	ITEM SPECIAL - 6" WATERMAIN LOWERING (UNDERPASS PER STD-L04, COMPLETE IN PLACE, AS PER PLAN	EACH	1		
90	ITEM SPECIAL - 6" WATERMAIN LOWERING (UNDERPASS PER STD-L05, COMPLETE IN PLACE, AS PER PLAN	EACH	1		
91	ITEM SPECIAL - 12" WATERMAIN LOWERING (UNDERPASS PER STD-L04, COMPLETE IN PLACE, AS PER PLAN	EACH	2		
92	ITEM SPECIAL - 12" WATERMAIN LOWERING (UNDERPASS PER STD-L05, COMPLETE IN PLACE, AS PER PLAN	EACH	1		
93	ITEM 638 - PLUG EXISTING WATER SERVICE CONNECTION, AS PER PLAN, AS PER D-65	EACH	14		
94	ITEM SPECIAL - FILTER ALLOWANCE	DOLLARS	\$5,000	1	\$5,000.00
95	ITEM SPECIAL - MISCELLANEOUS METAL (CWD), AS PER D-72	LB	15000		
SUBTOTAL WATER WORK					

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CARNEGIE AVE REHABILITATION PHASE 3 - EAST 9TH STREET TO EAST 55TH STREET
CITY OF CLEVELAND, MAYORS OFFICE OF CAPITAL PROJECTS, DIVISION OF ENGINEERING AND CONSTRUCTION
SCHEDULE OF ITEMS

REF NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	BID TOTAL
UTILITIES					
96	ITEM SPECIAL - UTILITY TEST HOLE	EACH	3		
97	ITEM SPECIAL - MISC.: MANHOLE/VAULT ADJUSTED TO GRADE, AS PER D-39 (CPP)	EACH	17		
98	ITEM SPECIAL - MISC.: MANHOLE/VAULT RECONSTRUCT TO GRADE (CPP)	EACH	1		
99	ITEM SPECIAL - MISC.: MANHOLE/VAULT REPLACEMENT (CPP)	EACH	1		
SUBTOTAL UTILITIES					
LIGHTING					
100	ITEM 625 - PULL BOX MISC.: PULL BOX ADJUSTED TO GRADE (CPP)	EACH	1		
SUBTOTAL LIGHTING					

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CARNEGIE AVE REHABILITATION PHASE 3 - EAST 9TH STREET TO EAST 55TH STREET
CITY OF CLEVELAND, MAYORS OFFICE OF CAPITAL PROJECTS, DIVISION OF ENGINEERING AND CONSTRUCTION
SCHEDULE OF ITEMS

REF NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	BID TOTAL
TRAFFIC CONTROL					
101	ITEM 630 - GROUND MOUNTED SUPPORT, NO. 3 POST	FT	155.5		
102	ITEM 630 - SIGN HANGER ASSEMBLY, SPAN WIRE	EACH	7		
103	ITEM 630 - SIGN SUPPORT ASSEMBLY, POLE MOUNTED	EACH	153		
104	ITEM 630 - SIGN, FLAT SHEET	SF	483		
105	ITEM 630 - SIGN, FLAT SHEET, TYPE XI SHEETING	SF	6.25		
106	ITEM 630 - REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	EACH	13		
107	ITEM 630 - REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	EACH	6		
108	ITEM 630 - REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL	EACH	8		
109	ITEM 630 - REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	EACH	144		
110	ITEM 630 - SIGNING, DOUBLE FACE, STREET NAME	SF	20		

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CARNEGIE AVE REHABILITATION PHASE 3 - EAST 9TH STREET TO EAST 55TH STREET
CITY OF CLEVELAND, MAYORS OFFICE OF CAPITAL PROJECTS, DIVISION OF ENGINEERING AND CONSTRUCTION

SCHEDULE OF ITEMS

REF NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	BID TOTAL
111	ITEM 630 - SIGNING, STREET NAME, AS PER PLAN	SF	8		
112	ITEM 644 - LANE LINE, 4"	MILE	2.84		
113	ITEM 644 - CENTER LINE	MILE	1.73		
114	ITEM 644 - CHANNELIZING LINE, 8"	FT	5219		
115	ITEM 644 - STOP LINE	FT	832		
116	ITEM 644 - CROSSWALK LINE, 12"	FT	3218		
117	ITEM 644 - CROSSWALK LINE, 24"	FT	290		
118	ITEM 644 - TRANSVERSE/DIAGONAL LINE	FT	568		
119	ITEM 644 - DOTTED LINE, 4"	FT	1473		
120	ITEM 644 - ISLAND MARKING	SF	112		
121	ITEM 644 - LANE ARROW	EACH	155		
SUBTOTAL TRAFFIC CONTROL					

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CARNEGIE AVE REHABILITATION PHASE 3 - EAST 9TH STREET TO EAST 55TH STREET
CITY OF CLEVELAND, MAYORS OFFICE OF CAPITAL PROJECTS, DIVISION OF ENGINEERING AND CONSTRUCTION
SCHEDULE OF ITEMS

REF NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	BID TOTAL
TRAFFIC SIGNALS					
122	ITEM 625 - PULL BOX, MISC.: PULL BOX ADJUSTED TO GRADE	EACH	18		
123	ITEM 625 - CONDUIT, 2", 725.051, AS PER PLAN	FT	93		
124	ITEM 625 - CONDUIT, 4", 725.051, AS PER PLAN	FT	953		
125	ITEM 625 - CONDUIT, CONCRETE ENCASED, 2"	FT	22		
126	ITEM 625 - TRENCH	FT	598		
127	ITEM 625 - PULL BOX, MISC.: 17" x 30", AS PER D-57	EACH	6		
128	ITEM 625 - PULL BOX, MISC.: 24" x 36", AS PER D-57	EACH	2		
129	ITEM 625 - GROUND ROD, AS PER D-58	EACH	10		
130	ITEM 625 - PLASTIC CAUTION TAPE, AS PER D-61	FT	598		
131	ITEM 630 - SIGN HANGER ASSEMBLY, MAST ARM, AS PER D-65	EACH	8		
132	ITEM 632 - VEHICULAR SIGNAL HEAD, (LED), YELLOW, 3 SECTION, 12" LENS, 1-WAY, WITH BACKPLATE, AS PER PLAN	EACH	19		

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CARNegie AVE REHABILITATION PHASE 3 - EAST 9TH STREET TO EAST 55TH STREET
CITY OF CLEVELAND, MAYORS OFFICE OF CAPITAL PROJECTS, DIVISION OF ENGINEERING AND CONSTRUCTION

SCHEDULE OF ITEMS

REF NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	BID TOTAL
133	ITEM 632 - PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN	EACH	16		
134	ITEM 632 - COVERING OF VEHICULAR SIGNAL HEAD	EACH	19		
135	ITEM 632 - COVERING OF PEDESTRIAN SIGNAL HEAD	EACH	16		
136	ITEM 632 - PEDESTRIAN PUSHBUTTON, AS PER PLAN	EACH	16		
137	ITEM 632 - DETECTOR LOOP	EACH	8		
138	ITEM 632 - DETECTOR LOOP, AS PER PLAN	EACH	21		
139	ITEM 632 - SIGNAL CABLE, 2 CONDUCTOR, NO. 14 AWG	FT	1944		
140	ITEM 632 - SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	FT	2016		
141	ITEM 632 - SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	FT	1770		
142	ITEM 632 - SIGNAL SUPPORT FOUNDATION, AS PER D-48	EACH	8		
143	ITEM 632 - LOOP DETECTOR LEAD-IN CABLE, 2 CONDUCTOR, NO. 14 AWG	FT	1870		

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CARNEGIE AVE REHABILITATION PHASE 3 - EAST 9TH STREET TO EAST 55TH STREET
CITY OF CLEVELAND, MAYORS OFFICE OF CAPITAL PROJECTS, DIVISION OF ENGINEERING AND CONSTRUCTION
SCHEDULE OF ITEMS

REF NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	BID TOTAL
144	ITEM 632 - POWER CABLE, 3 CONDUCTOR, NO. 6 AWG	FT	20		
145	ITEM 632 - SERVICE CABLE, 2 CONDUCTOR, NO. 6 AWG	FT	96		
146	ITEM 632 - POWER SERVICE, AS PER D-50	EACH	2		
147	ITEM 632 - CONDUIT RISER, 3" DIAMETER	EACH	2		
148	ITEM 632 - SIGNAL SUPPORT, TYPE TC-81.22 DESIGN 4 POLE, AS PER PLAN	EACH	5		
149	ITEM 632 - SIGNAL SUPPORT, TYPE TC-81.22 DESIGN 12 POLE, AS PER PLAN	EACH	2		
150	ITEM 632 - SIGNAL SUPPORT, TYPE TC-81.22 DESIGN 13 POLE, AS PER PLAN	EACH	1		
151	ITEM 632 - REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER D-62	EACH	2		
152	ITEM 632 - SIGNALIZATION, MISC.: FOUNDATION TEST HOLES	EACH	10		
153	ITEM 633 - CONTROLLER UNIT, TYPE TS2/A2, WITH CABINET, TYPE TS2, AS PER PLAN, AS PER D-60	EACH	2		
154	ITEM 633 - CABINET FOUNDATION	EACH	2		
155	ITEM 633 - CONTROLLER WORK PAD	EACH	2		
SUBTOTAL TRAFFIC SIGNALS					

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CARNEGIE AVE REHABILITATION PHASE 3 - EAST 9TH STREET TO EAST 55TH STREET
CITY OF CLEVELAND, MAYORS OFFICE OF CAPITAL PROJECTS, DIVISION OF ENGINEERING AND CONSTRUCTION
SCHEDULE OF ITEMS

REF NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	BID TOTAL
STREETSCAPE					
156	ITEM SPECIAL - PRUNING EXISTING TREE, AS PER PLAN, AS PER D-69	EACH	22		
	SUBTOTAL STREETSCAPE				
MAINTENANCE OF TRAFFIC					
157	ITEM 402 - TRAFFIC COMPACTED SURFACE, TYPE A OR B	CY	200		
158	ITEM 614 - LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE, AS PER PLAN	HOURL	160		
159	ITEM 614 - LAW ENFORCEMENT OFFICER WITHOUT PATROL CAR FOR ASSISTANCE, AS PER PLAN	HOURL	160		
160	ITEM 614 - DETOUR SIGNING, AS PER PLAN	LUMP	1		
161	ITEM 614 - MAINTAINING TRAFFIC, MISC.: MAINTAINING EXISTING TRAFFIC SIGNALS	EACH	32		
162	ITEM 614 - MAINTAINING TRAFFIC, MISC.: MAINTAINING TRAFFIC SIGNAL INSTALLATION, AS PER D-49	EACH	2		
163	ITEM 614 - PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	SNMT	30		
164	ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 4", 642 PAINT	MILE	1.19		
165	ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 4", 740.06, TYPE I	MILE	1.38		

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CARNEGIE AVE REHABILITATION PHASE 3 - EAST 9TH STREET TO EAST 55TH STREET
CITY OF CLEVELAND, MAYORS OFFICE OF CAPITAL PROJECTS, DIVISION OF ENGINEERING AND CONSTRUCTION

SCHEDULE OF ITEMS

REF NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	BID TOTAL
166	ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT	MILE	0.36		
167	ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 740.06, TYPE I	MILE	0.38		
168	ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT	MILE	1.06		
169	ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 740.06, TYPE I	MILE	1.50		
170	ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 740.06, TYPE I	FT	110		
171	ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT	FT	336		
172	ITEM 614 - WORK ZONE STOP LINE, CLASS I, 740.06, TYPE I	FT	367		
173	ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT	FT	267		
174	ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 12", 740.06, TYPE I	FT	224		
175	ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 4", 740.06, TYPE I	FT	885		
176	ITEM 614 - WORK ZONE ARROW, CLASS I, 740.06, TYPE I	EACH	27		
SUBTOTAL MAINTENANCE OF TRAFFIC					

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CARNEGIE AVE REHABILITATION PHASE 3 - EAST 9TH STREET TO EAST 55TH STREET
CITY OF CLEVELAND, MAYORS OFFICE OF CAPITAL PROJECTS, DIVISION OF ENGINEERING AND CONSTRUCTION
SCHEDULE OF ITEMS

REF NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	BID TOTAL
TESTING					
177	ITEM SPECIAL - ASPHALT EXTRACTION TEST, AS PER D-73, AS PER PLAN	EACH	20		
178	ITEM SPECIAL - THICKNESS OF COMPACTED ASPHALT TEST, AS PER D-73, AS PER PLAN	EACH	20		
179	ITEM SPECIAL - CONCRETE TEST CYLINDERS (4 SPECIMENS PER SET), AS PER D-73, AS PER PLAN	SETS	5		
180	ITEM SPECIAL - SUBSEQUENT SLUMP AND TEMPERATURE TEST, AS PER D-73, AS PER PLAN	EACH	20		
181	ITEM SPECIAL - SUBSEQUENT AIR CONTENT AND TEMPERATURE TEST, AS PER D-73, AS PER PLAN	EACH	20		
182	ITEM SPECIAL - FLEXURAL STRENGTH OF CONCRETE (BEAM) TEST, AS PER D-73, AS PER PLAN	EACH	20		
183	ITEM SPECIAL - TECHNICIAN WITH NUCLEAR DENSITY METER (SUBGRADE/SUBBASE COMPACTION/ASPHALT), AS PER D-73, AS PER PLAN	HOUR	80		
184	ITEM SPECIAL - PROCTOR TEST, AS PER D-73, AS PER PLAN	EACH	5		
SUBTOTAL TESTING					

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CARNEGIE AVE REHABILITATION PHASE 3 - EAST 9TH STREET TO EAST 55TH STREET
CITY OF CLEVELAND, MAYORS OFFICE OF CAPITAL PROJECTS, DIVISION OF ENGINEERING AND CONSTRUCTION
SCHEDULE OF ITEMS

REF NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	BID TOTAL
GENERAL					
185	ITEM 614 - MAINTAINING TRAFFIC, AS PER PLAN	LUMP	1		
186	ITEM 619 - FIELD OFFICE, TYPE B, AS PER D-45	MONTH	15		
187	ITEM 619 - NEW COMPUTER EQUIPMENT FOR CITY OWNERSHIP (LAPTOP) AS PER DS-4	LUMP	1		
188	ITEM 623 - CONSTRUCTION LAYOUT STAKES, AS PER D-47, AS PER PLAN	LUMP	1		
189	ITEM 624 - MOBILIZATION	LUMP	1		
190	ITEM SPECIAL - AS-BUILT RECORD PLAN SET, AS PER D-77	LUMP	1		
191	ITEM SPECIAL - PRECONSTRUCTION AUDIO-VIDEO, AS PER D-36	LUMP	1		
192	ITEM SPECIAL - PROJECT SIGNS, AS PER C-11	EACH	2		

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CARNEGIE AVE REHABILITATION PHASE 3 - EAST 9TH STREET TO EAST 55TH STREET
CITY OF CLEVELAND, MAYORS OFFICE OF CAPITAL PROJECTS, DIVISION OF ENGINEERING AND CONSTRUCTION
SCHEDULE OF ITEMS

REF NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	BID TOTAL
193	ITEM SPECIAL - ENGINEERING AND CONSTRUCTION FORCE ACCOUNT	DOLLARS	\$250,000	\$1.00	\$250,000.00
194	ITEM SPECIAL - WATER POLLUTION CONTROL FORCE ACCOUNT	DOLLARS	\$50,000	\$1.00	\$50,000.00
195	ITEM SPECIAL - CLEVELAND WATER DEPARTMENT FORCE ACCOUNT	DOLLARS	\$100,000	\$1.00	\$100,000.00
196	ITEM SPECIAL - BOND FEES (1% OF CONSTRUCTION COSTS)	DOLLARS	-	\$1.00	
SUBTOTAL GENERAL					
TOTAL UNOFFICIAL SUM FOR BASE BID, SEE NOTE (ITEMS 1 THROUGH 196):					
* The amount of the Bid Bond or Cashier's Check required of all bidders under Section A-7 and the amount of the surety bond required of the successful bidder under Section 19, shall be based upon this dollar figure. This figure shall also be used to determine the percentage of CSB participation. This dollar shall be used to determine the lowest responsible bidder pursuant to this invitation to bid and shall be the contractor dollars. In the event the alternate bid is awarded, the percentage of CSB participation shall be based on the total contract price.					