# CITY OF CHEVIOT HAMILTON COUNTY, OHIO

# HOMELAWN AVENUE IMPROVEMENTS

35273

#### CITY OF CHEVIOT OFFICIALS

#### **MAYOR**

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#### SAFETY SERVICES DIRECTOR

STEVE BRAUN

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### DAVID W. VOSS

LAW DIRECTOR

KIMBERLEE ERDMAN-ROHR

#### PUBLIC WORKS SUPERINTENDANT

BRENT CRAIG

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Bremmay Ave Greenway Ave	Place No. No. terr tide	Daytona Ave	Daytona Ave		Mana Ave

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	ODOT SCD REFERENCES	
BP-7.1	NEW CURB RAMPS	1/17/2025
CB-3	CATCH BASIN NO. 3	7/16/2021
TC-71.10	CATCH BASIN NO. 3A	4/21/2023



#### O.D.O.T SPECIFICATIONS

THE LATEST STANDARD SPECIFICATIONS OF THE OHIO DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS THERETO AND CITY OF CHEVIOT ENGINEERING DEPARTMENT REQUIREMENTS SHALL GOVERN THIS IMPROVEMENT.

#### SOURCE OF BOUNDARY INFORMATION

THE BOUNDARY INFORMATION SHOWN ON THESE PLANS IS BASED UPON HAMILTON COUNTY G.I.S. MAPPING AND DOES NOT REPRESENT AN ACTUAL FIELD BOUNDARY SURVEY BY VERDANTAS, LLC.

## VICINITY MAP

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**GENERAL NOTES** 

ROAD AND BRIDGE CONSTRUCTION. EXPANSION MATERIAL SHALL BE FLEXIBLE FOAM MATERIAL, SUCH AS

CERAMAR BY W.R. MEADOWS OR APPROVED EQUAL, INSTALLED IN AREAS OF

- CONCRETE WALK, DRIVES OR CURB/GUTTER ONLY AT THE FOLLOWING: 2.A. AT ALL FIXED OBJECTS (I.E. UTILITY COVERS, VALVES, MANHOLES, ETC.)
- 2.B. AT ALL RIGID STRUCTURES (I.E. DRIVES, CURBS, STEPS, ETC.) PAYMENT FOR THIS ITEM AND ZIP STRIPS INCLUDED IN THE PERTINENT CONCRETE PAVEMENT UNIT PRICE.
- 2.C. AT ALL STREET INTERSECTIONS AT THE POINT OF CURVATURE OF THE TURNING RADII ENTERING THE INTERSECTION.
- 2.D. NO CONCRETE SHALL BE LEFT ABOVE THE EXPANSION MATERIAL OR ACROSS THE JOINT AT ANY POINT, ANY CONCRETE SPANNING THE ENDS OF THE JOINT NEXT TO THE FORMS SHALL BE CAREFULLY CUT AWAY AFTER THE FORMS ARE REMOVED. BEFORE THE PAVEMENT IS OPENED TO TRAFFIC, THE GROOVE ABOVE THE EXPANSION JOINT MATERIAL SHALL BE CLEANED AND SEALED WITH JOINT SEALING MATERIAL.
- DOWNSPOUT AND UNDERDRAIN CONSTRUCTION SHALL MEET THESE AND THE LATEST SPECIFICATION OF THE HAMILTON COUNTY SUBDIVISION REGULATIONS, MSD REGULATIONS AND STANDARD DRAWINGS, AND DETAILS SHOWN ON THIS PLAN. BEDDING, BACKFILLING, JOINTS, EXCAVATION AND INSTALLATION SHALL BE INCLUDED IN THE COST PER FOOT OF PIPE. STORM SEWER, DOWNSPOUT AND UNDERDRAIN PIPE MATERIAL SHALL HAVE A MANNING'S "N" VALUE OF 0.013 OR LESS (UNLESS OTHERWISE SHOWN) AND BE RIGID / SMOOTH INTERIOR WALLED PVC SDR-35 PIPE, RIBBED PVC PIPE, A-2000 PVC PIPE, UNLESS OTHERWISE SHOWN.
- ALL DISTURBED AREAS ARE TO BE RESTORED (SEEDED AND MULCHED) BY THE CONTRACTOR AND SHALL PROCEED WITH JOB PROGRESSION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVING ANY EXCESS MATERIALS AT THE SITE AND MAINTAINING ALL SEEDED AND MULCHED AREAS UNTIL PROJECT COMPLETION AND FINAL INSPECTION PER ODOT SPEC. 659. A RESIDENTIAL YARD SHALL BE RESTORED WITHIN TWENTY-ONE (21) DAYS AFTER CONSTRUCTION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM HIS WORK IN SUCH A MANNER AS NOT TO DAMAGE OR DESTROY ANY EXISTING FEATURE, (I.E. EXISTING INLETS, CONDUITS, ETC.) WHICH IS NOT MARKED FOR REPLACEMENT OR REMOVAL. IF ANY SUCH DAMAGE DOES OCCUR DUE TO THE OPERATIONS OF THE CONTRACTOR, HE SHALL REPLACE THE DAMAGED PORTION AT HIS EXPENSE. THE CONTRACTOR SHALL EXERCISE DUE CARE DURING CONSTRUCTION SO AS NOT TO DESTROY ANY TREES, PLANTS, SHRUBS OR STRUCTURES OUTSIDE OF THE INDICATED WORK LIMITS AND THOSE NOT SPECIFICALLY MARKED FOR REMOVAL OR RELOCATION WITHIN THE WORK LIMITS. IN SOME INSTANCES, THE CONTRACTOR WILL BE REQUIRED TO EXCAVATE UNDER AND AROUND THE EXISTING UTILITIES. EXTREME CARE SHOULD BE USED NOT TO DAMAGE THE UTILITY DURING THIS OPERATION.
- ALL APPLICABLE RECOMMENDATIONS IN OHIO'S BEST MANAGEMENT PRACTICES MANUAL SHALL BE FOLLOWED BY THE CONTRACTOR, INCLUDING SEEDING OF DISTURBED GROUND.
- RIGHT-OF-WAY AND PROPERTY LINES SHOWN ARE PLOTTED FROM HAMILTON COUNTY G.I.S. MAPPING AND ARE APPROXIMATE AND NOT THE RESULT OF A FIELD BOUNDARY SURVEY.
- THE CONTRACTOR SHALL LIMIT THEIR WORK AREA TO THE EASEMENTS AND RIGHTS-OF-WAY SHOWN ON THESE PLANS UNLESS WRITTEN PERMISSION IS GIVEN BY THE PROPERTY OWNER AND APPROVED BY THE CITY OF CHEVIOT.
- ALL OSHA, STATE AND LOCAL SAFETY REGULATIONS SHALL BE FOLLOWED DURING CONSTRUCTION.
- RELOCATION OR REINSTALLATION OF EXISTING MAIL BOXES, FENCES, PRIVATE LANDSCAPE LIGHTS, PRIVATE SIGNS, STREET SIGNS, RESTORATION OF LANDSCAPING AND TREATMENT OF EXISTING WALLS WHERE A PORTION HAS BEEN REMOVED SHALL BE INCIDENTAL TO CLEARING AND GRUBBING.
- NO CONSTRUCTION SHALL COMMENCE UNTIL ALL HAMILTON COUNTY AND THE CITY OF CHEVIOT PERMITS HAVE BEEN ISSUED AS REQUIRED. THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY ALL CHARGES AND FEES AS MAY BE NECESSARY AND REQUIRED BY THE CITY OR STATE.
- .. THE CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE CITY OF CHEVIOT. LOCAL TRAFFIC MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION UNLESS OTHERWISE NOTED IN THESE
- . THE CITY OF CHEVIOT DOES NOT GUARANTEE THE RIGHT OF WAY ON THIS ROAD, NOR WILL IT BE RESPONSIBLE FOR AND CLAIMS OR DAMAGES BROUGHT BY THE PROPERTY OWNER.
- ADDITIONAL BMP'S AND EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED AS DEEMED NECESSARY. ALL COST FOR ABOVE SHALL BE INCLUDED IN LUMP SUM BID FOR EROSION CONTROL AND WATER POLLUTION CONTROL.
- . LIMITS OF DRIVEWAY APRON & SIDEWALK REPLACEMENT TO BE MARKED IN THE FIELD BY THE ENGINEER. ADDITIONAL DRIVEWAY & SIDEWALK REPLACEMENTS, NOT SHOWN ON THE PLANS MAY BE REQUIRED BY THE
- BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE CITY OF CHEVIOT, THE CONTRACTOR WITH THE CITY ENGINEER OR INSPECTOR SHALL MAKE AN INSPECTION OF THE EXISTING SEWERS WITHIN THE WORK LIMITS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTIONS SHALL BE KEPT IN WRITING BY THE CONTRACTOR.
- ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE CITY.
- . ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY.
- PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCIDENTAL TO THE CONTRACT.
- ). ALL CASTINGS FOR MANHOLES, CATCH BASINS AND INLETS SHALL CONFORM TO THOSE SPECIFIED IN THE STANDARD CONSTRUCTION DRAWINGS. ALL CASTINGS WHICH MIGHT BE SUBJECT TO VEHICLE TRAFFIC SHALL BE OF THE HEAVY DUTY GRADE. GRATED INLET TOPS SHALL BE PLACED AS SPECIFIED ON THE PLANS. TOP OF CASTING ELEVATIONS ARE SUBJECT TO FINAL ADJUSTMENTS AS APPROVED BY THE ENGINEER. ALL MANHOLES WITHIN WALK AREA SHALL HAVE A FLAT FLUSH COVER ALL CASTINGS USED SHALL BE SUBJECT TO THE FINAL APPROVAL OF THE ENGINEER.

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

**GENERAL NOTES CONT.** 

- 2. BUTT JOINTS SHALL BE PROVIDED 10' BEYOND ALL NOTED LIMITS OF PAVEMENT. THE WIDTH SHALL BE AS INDICATED ON THE PLANS. THE BUTT JOINT SHALL BE CONSTRUCTED AS PER ODOT CONSTRUCTION DRAWING BP-3.1, WITH COST INCIDENTAL TO ITEM 441.
- 3. UPON COMPLETION OF THE PROPOSED TOP OF CURB AND CENTERLINE ELEVATIONS LAYOUT STAKING, THE ENGINEER WILL REVIEW AND ADJUST THE PROPOSED ELEVATIONS AT THE ENGINEERS DISCRETION.
- 4. UPON REMOVAL OF THE EXISTING PAVEMENT. THE ENGINEER / TESTING FIRM SHALL EVALUATE THE EXISTING SUBGRADE AND DETERMINE ANY AREAS OF THE SUBGRADE REQUIRING SUBGRADE STABILIZATION METHODS AS INDICATED IN THE NOTES.
- 24.A. ANY OTHER AREAS OF THE SUBGRADE WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN REGARDING ITS ABILITY TO BE PROPERLY

COMPACTED, INCLUDING BUT NOT LIMITED TO MOISTURE CONTENT.

- 24.B. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL MEASURES TO EITHER PRESERVE OR RESTORE THE SUBGRADE TO A "COMPACTABLE" STATE. REGARDING, BUT NOT LIMITED TO MOISTURE CONTENT.
- SUBGRADE COMPACTION REQUIREMENTS
- 5. COMPACT THE SUBGRADE IN ACCORDANCE WITH 204.03. FOR AREAS WHERE THE SUBGRADE APPEARS TO BE STABLE, PROOF ROLL AFTER THE TOP 12" OF THE SUBGRADE MEETS COMPACTION REQUIREMENTS AND AFTER THE SUBGRADE HAS BEEN BROUGHT TO THE APPROXIMATE SHAPE REQUIRED BY
- 6. FOR AREAS THAT HAVE MOISTURE CONTENT THAT IS EITHER TOO HIGH OR TOO LOW, THE CONTRACTOR SHALL DISK UP THE SUBGRADE MATERIAL FROM THE DESIGNATED AREA AND EITHER ALLOW TO DRY OR ADD MOISTURE IN ORDER TO OBTAIN THE PROPER MOISTURE CONTENT. THE MATERIAL SHALL THEN BE RECOMPACTED. THE COST FOR THIS SHALL BE INCIDENTAL TO ITEM 204 - SUBGRADE COMPACTION.
- THE ENGINEER AND / OR THE DESIGNATED GEOTECHNICAL ENGINEER SHALL REVIEW THE PROOF ROLLING OPERATION AND DETERMINE IF THE SUBGRADE IS ACCEPTABLE OR IF THE ADDITIONAL SUBGRADE TREATMENT IS REQUIRED.
- 28. IF ADDITIONAL TREATMENT IS REQUIRED, THE SPECIFIC METHOD AND EXTENT SHALL BE DETERMINED BY THE ENGINEER AND GEOTECHNICAL ENGINEER; CONTINGENCY QUANTITIES FOR BOTH CHEMICALLY STABILIZED SUBGRADES AND MECHANICALLY STABILIZED SUBGRADE ARE INCLUDED IN THE QUANTITIES AND WILL ONLY BE UTILIZED AS DIRECTED BY THE ENGINEER AND THE DESIGNATED GEOTECHNICAL ENGINEER

- . THE CONTRACTOR SHALL INCLUDE THE COST OF ALL REQUIRED TESTS IN THE UNIT PRICE BID FOR THE PERTINENT ITEM AND NO SEPARATE COMPENSATION IS TO BE MADE FOR SAID TESTING.
- 80. CITY OWNED TRAFFIC SIGNS, POSTS, SIGNALS, AND POLES TRAFFIC SIGNS, POSTS, SIGNAL EQUIPMENT AND POLES THAT ARE NOT INTENDED TO BE REUSED SHALL BE CAREFULLY REMOVED, CLEANED AND DELIVERED TO THE CITY MAINTENANCE GARAGE FOR INSPECTION AND STORAGE. IF ANY OF THOSE ITEMS GET DAMAGED BY THE CONTRACTOR THEY SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE CITY.
- DURING THE CONSTRUCTION ACTIVITIES OF THIS PROJECT, THERE MAY BE TIMES WHEN THE CONSTRUCTION IN SOME AREAS MAY NEED TO BE SUSPENDED PENDING RESPONSE ON, OR RESOLUTION TO AN ISSUE FROM THE OWNER AND/OR ENGINEER. THE CONTRACTOR, IN THIS CASE SHALL MOVE THE CREWS AND EQUIPMENT TO WORK IN A DIFFERENT AREA OR ON A DIFFERENT TASK, COST OF MOBILIZING AND DEMOBILIZING OF THE CONTRACTORS WORK CREWS AND EQUIPMENT INCLUDING "DOWNTIME" SHALL BE INCIDENTAL TO THE OVERALL BID PRICE FOR THIS PROJECT.

#### PROTECTION OF MONUMENTATION

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

#### SAW CUTTING EXISTING PAVEMENT

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

#### FIELD ADJUSTMENT OF PROPOSED ELEVATIONS

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

#### CONTINGENCY QUANTITIES

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

#### SEED, MULCH & FERTILIZER

6. ALL SEEDING, MULCHING AND FERTILIZING SHALL BE DONE TO DAMAGED AREAS AT THE EXPENSE OF THE CONTRACTOR. THE VILLAGE ENGINEER SHALL DETERMINE ALL AREAS REQUIRING SEEDING, MULCHING AND FERTILIZER PERTINENT TO THIS CONTRACT.

#### TEM 201, CLEARING AND GRUBBING, AS PER PLAN

THIS WORK SHALL CONSIST OF CLEARING, GRUBBING REMOVAL OF ALL TREES STUMPS, VEGETATION, AND DEBRIS WITHIN THE WORK LIMITS. THE WORK SHALL ALSO INCLUDE ANY REMOVAL OF POSTS, ROCKS, LANDSCAPING AND ANY OTHER OBJECTS WITHIN THE CONSTRUCTION LIMITS WHICH THE REMOVAL AND DISPOSAL OF IS DEEMED NECESSARY TO ALLOW FOR THE PROPOSED IMPROVEMENTS TO TAKE PLACE ANY EXISTING MAILBOX SHALL BE REMOVED, STORED, AND RESET AS A PART OF THIS ITEM. THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

FEM 452, NON-REINFORCED CONCRETE PAVEMENT, MISC.: 7" PLAIN PORTLAND CEMENT CONCRETE DRIVEWAY REMOVAL & REPLACEMENT

- B. IN ADDITION TO THE SPECIFICATIONS PROVIDED IN THE BID BOOK, DETAILS PROVIDED ON THE DRIVEWAY SHEETS, THE FOLLOW SHALL APPLY:
- 38.1. THE ABOVE-NOTED BID ITEMS ARE ALL-INCLUSIVE COSTS FOR THE COMPLETE REMOVAL AND CONSTRUCTION OF THE DRIVEWAY SECTIONS AS NOTED IN THE PLANS.

38.2. THE INTENT IS FOR THE HORIZONTAL LOCATION TO MATCH THE EXISTING DRIVEWAY, UNLESS OTHERWISE NOTED. THE FINAL LOCATIONS, FTC. MAY BE REVIEWED BY THE ENGINEER WHO MAY ADJUST THE LOCATION AT THEIR DISCRETION. 38.3. CONCRETE SHALL BE CLASS QC MS.

**GENERAL NOTES CONT.** 

#### ITEM 608 - CONCRETE WALK

39. IN ADDITION TO THE REQUIREMENTS OF ODOT ITEM 608, THE CONTRACTOR SHALL MATCH ANY SPECIAL PAVING FINISHES OR MATERIALS OF THE ADJACENT EXISTING WALK.

#### ITEM 611, DOWNSPOUT CONDUIT, MISC: PVC SCHEDULE 40 PIPE, 3"

40. THIS ITEM IS AN ALL INCLUSIVE EACH (EA) ITEM AND SHALL INCLUDE ALL MATERIALS, LABOR, AND INCIDENTALS TO REMOVE AND RECONNECT DOWNSPOUT LEADERS THRU THE PROPOSED CURB. SEE DETAIL SHEET.

ITEM 611 - REMOVE AND REPLACE TOP FRAME AND CASTINGS ON CURB NLET, TOP 24" ONLY (S.G.I) ITEM 611 - REMOVE AND REPLACE TOP FRAME AND CASTINGS ON CURB

INLET, TOP 24" ONLY (CB-3) TEM 611 - REMOVE AND REPLACE TOP FRAME AND ASTINGS ON CURB INLET, TOP 24" ONLY (D.G.I

41. CAREFULLY REMOVE THE EXISTING CASTINGS. REMOVE THE EXISTING WALLS OF THE CATCH BASIN DOWN TO 24" BELOW THE GRATE/RIM ELEVATION OR ANY POINTS OF WALL FAILURE AS NECESSARY. USING THE NEW CASTINGS (FRAME AND TYPE "L" GRATE), RECONSTRUCT THE STRUCTURE TO THE NEW GRADE, CONFORMING AS NEARLY AS PRACTICABLE TO THE EXISTING DIMENSION AND TYPE OF CONSTRUCTION. THE UNIT PRICE EACH (EA) FOR THIS ITEM SHALL INCLUDE ALL ITEMS NECESSARY TO RECONSTRUCT THE CATCH BASIN WITH NEW CASTING

#### **STORM & SANITARY NOTES**

- ALL STORM AND SANITARY ITEMS SHALL BE IN ACCORDANCE WITH THE LATEST SPECIFICATIONS AND DETAILS FROM MSD. CONCRETE AND METAL PIPE MATERIALS SHALL NOT BE USED UNLESS OTHERWISE SPECIFIED ON THESE PLANS.
- CONTRACTOR SHALL BE REQUIRED TO MAINTAIN STORM AND SANITARY SEWER FLOW THROUGHOUT THE PROJECT, FOR THE DURATION OF CONSTRUCTION. ALL COST FOR THE ABOVE SHALL BE INCIDENTAL TO THE CONTRACT.
- 3. IF REQUIRED, CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND SCHEDULING STORM AND SANITARY SEWER INSPECTIONS AS SET OUT IN THE PRECONSTRUCTION MEETING.
- 4. CONNECTIONS INTO EXISTING OR PROPOSED STORM OR SANITARY SEWER STRUCTURES OR PIPES SHALL BE COMPLETED BY A CERTIFIED TAPPER BY MSD
- 3. WATER POLLUTION, SOIL EROSION AND SILTATION CONTROL THE CONTRACTOR SHALL TAKE EXTREME CARE AND UTILIZE BEST MANAGEMENT PRACTICES TO CONTROL SEDIMENT AND EROSION DURING THE PROJECT AND TO PREVENT UNNECESSARY EROSION, WATER POLLUTION AND SILTATION AT ALL POINTS OF THE PROJECT TEMPORARY SEEDING AND MULCHING; INLET PROTECTION; STRAW BALES; SLOPE DRAINS, ETC., SHALL BE USED AS NECESSARY OR AS DIRECTED BY THE CITY, THE COST OF WHICH SHALL BE INCIDENTAL TO THE OVERALL CONTRACT PRICE. EROSION AND DUST CONTROL THE CONTRACTOR SHALL TAKE EXTREME CARE TO PREVENT UNNECESSARY EROSION AT ALL POINTS OF THE PROJECT. DUST SHALL BE KEPT TO A MINIMUM. COST OF EQUIPMENT, WATER, LABOR AND MATERIAL, ETC. REQUIRED TO PERFORM DUST CONTROL SHALL BE INCIDENTAL TO THE OVERALL BID PRICE.

#### CONNECTIONS

- 7. EXISTING ROOF DRAINS, FOOTER DRAINS OR YARD DRAINS DISTURBED BY THE PROPOSED WORK SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS BY CONNECTING TO A STORM SEWER, MANHOLE, CATCH BASIN, AS DIRECTED BY THE ENGINEER. THE LOCATION, TYPE, SIZE AND GRADE OF REQUIRED REPLACEMENTS WILL BE DETERMINED BY THE FIELD INSPECTOR DURING CONSTRUCTION
- 8. COORDINATION WITH OTHER CONTRACTORS OTHER CONTRACTORS AND/OR UTILITY COMPANIES MAY BE WORKING IN THIS AREA CONCURRENT WITH THIS CONTRACT. THE CONTRACTOR SHALL COORDINATE WORK ACTIVITIES WITH ALL OTHER CONTRACTORS IN THE

MSD HAS EXISTING FACILITIES WITHIN THE CONSTRUCTION LIMITS OR PROJECT AREA THAT WILL STAY IN PLACE AND IN SERVICE. TO SCHEDULE AN MSD INSPECTOR, THE CONTRACTOR SHALL CONTACT RAY SCHORK OF MSD WWE INSPECTIONS AT 513.244.5537 OR MSDWWEINSPECTIONS@CINCINNATI-OH.GOV A MINIMUM OF FIVE (5) BUSINESS DAYS BEFORE STARTING CONSTRUCTION ON OR NEAR MSD SEWERS, INCLUDING ANY MANHOLE ADJUSTMENTS REQUIRED FOR THE PROJECT. MANHOLE ADJUSTMENTS MUST BE MADE PER MSD STANDARD DRAWING ACCESSION NOS. 49058 OR 49058-A 49058: SANITARY MANHOLE ADJUSTMENT USING BRICK AND MORTAR PRIOR TO MACHINE PAVING

49058-A: SANITARY MANHOLE ADJUSTMENT WITH PRECAST CONCRETE RING AND MORTAR PRIOR TO MACHINE PAVING

#### **UTILITY NOTES**

- 1. THIS PLAN SHOWS THE APPROXIMATE LOCATION OF UNDERGROUND UTILITIES (GAS, WATER, STORM SEWER, SANITARY SEWER, TELEPHONE, ELECTRIC, ETC.). THE PREPARER DOES NOT GUARANTEE THEIR ACCURACY OR CORRECTNESS. THE INFORMATION PROVIDED SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE UTILITY AS WELL AS THE SERVICE LATERALS AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL PRACTICE CARE DURING THE GRADING AND TRENCH EXCAVATION AND SHALL BE RESPONSIBLE FOR REPLACING ANY SERVICES THAT ARE DAMAGED DURING CONSTRUCTION AT THEIR
- PRIOR TO ANY EXCAVATION OVER AN EXISTING UTILITY LINE OR SERVICE, CONTRACTOR SHALL HAND EXCAVATE TO EXPOSE THE UTILITY AND DETERMINE LOCATION AND DEPTH. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS.
- TOPS OF EXISTING AND PROPOSED CASTING ELEVATIONS ARE SUBJECT TO FINAL ADJUSTMENTS AS APPROVED BY THE ENGINEER AND REQUIREMENTS OF UTILITY OWNER. THIS WORK WILL BE INCIDENTAL TO THE CONTRACT.
- FORTY-EIGHT (48) HOURS BEFORE EXCAVATION IS TO COMMENCE, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES: THE OHIO UTILITY PROTECTION SERVICE AND ALL OTHER UTILITIES THAT MAY HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NON-MEMBERS OF OHIO UNDERGROUND PROTECTION.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL REPORT MMEDIATELY TO THE OWNERS OF THE UNDERGROUND FACILITIES ANY BREAK OR LEAK IN THE FACILITIES, OR ANY DENT, GOUGE, GROOVE OR OTHER DAMAGE.

6. THE CONTRACTOR SHALL NOTIFY NEARBY OCCUPANTS OF ANY EMERGENCY SITUATION THAT MAY ARISE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL UTILITY ACTIVITIES AND SCHEDULES.

**UTILITY NOTES CONT.** 

7. ALL UTILITY RELOCATIONS AND/OR ADJUSTMENTS SHALL BE COORDINATED BETWEEN CONTRACTOR AND THE UTILITY OWNERS IN SUCH A WAY AS TO AVOID AND/OR MINIMIZE ANY INCONVENIENCE TO POTENTIALLY AFFECTED CUSTOMERS. UPON THE CONTRACT AWARD, THE COORDINATION OF ALL NECESSARY UTILITY RELOCATIONS AND/OR ADJUSTMENTS SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR

#### **WATER NOTES**

- ALL WORK RELATING TO WATER MAINS OR WATER SERVICE LINES SHALL BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE GREATER CINCINNATI WATER WORK (GCWW).
- 2. CONTRACTOR MAY NOT USE WATER FROM FIRE HYDRANTS WITHOUT PRIOR PERMISSION FROM GCWW.

#### **GAS NOTES**

ALL WORK RELATING TO GAS MAINS OR GAS SERVICE LINES SHALL BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE DUKE ENERGY.

#### **ELECTRIC NOTES**

ALL WORK RELATING TO ELECTRIC LINES SHALL BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE DUKE ENERGY.

#### MAINTENANCE OF TRAFFIC NOTES

- ALL MAINTENANCE OF TRAFFIC PROCEDURES SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND SECTION 614 OF ODOT STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL MAINTAIN ACCESS TO LOCAL TRAFFIC (ACCESS TO RESIDENCES WITHIN CONSTRUCTION LIMITS) AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE SUFFICIENT SIGN, WARNING LIGHTS, BARRICADES, OR OTHER NECESSARY DEVICES TO MAKE THE SITE SAFE TO THE TRAVELING PUBLIC.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT TO THE ENGINEER AND THE OWNER A TRAFFIC CONTROL PLAN FOR THIS PROJECT.
- PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CITY OF CHEVIOT AND THE CHEVIOT POLICE DEPARTMENT. AT ALL TIMES, EMERGENCY VEHICLES SHALL BE GIVEN ACCESS.
- RESIDENTS OF THE PROJECT AREA SHALL BE ALLOWED ACCESS TO THEIR PROPERTY AT ALL TIMES.
- EACH DRIVEWAY SHALL BE ACCESSIBLE WHENEVER POSSIBLE. WHEN PORTLAND CEMENT CONCRETE CONSTRUCTION AFFECTS A DRIVEWAY, THE CONTRACTOR SHALL NOTIFY THE AFFECTED OWNERS 24 HOURS IN ADVANCE AND ADVISE THEM TO FIND ALTERNATIVE PARKING FOR A PERIOD OF AT LEAST 10 CALENDAR DAYS AFTER THE POUR. ALTERNATIVE PARKING SHALL INCLUDE "ON STREET" PARKING WITH ACCESS TO THE PROPERTY. TEMPORARY SIDEWALKS, ETC. WILL BE NECESSARY TO PREVENT PERSONS FROM WALKING IN MUD IN ORDER TO ENTER THEIR PROPERTY. TEMPORARY BRIDGES, RAILINGS ETC. WILL BECOME NECESSARY IN ORDER TO CROSS FORMED CURB LINES, EXCAVATED AREAS BEHIND CURB LINES AND WALKWAYS, ETC.
- TEMPORARY BLOCKING OF THE DRIVEWAY TO ANY RESIDENTIAL PROPERTY DURING CONSTRUCTION IS ALLOWABLE (MAX. 120 HOURS). HOWEVER, ACCESS TO PROPERTIES FOR DELIVERIES, SERVICE, EMERGENCY VEHICLES, ETC., SHALL BE MAINTAINED AT ALL TIMES. IN ADDITION, THE CONTRACTOR MUST NOTIFY ALL RESIDENTS IN WRITING 48 HOURS BEFORE COMMENCING TO <u>ALLOW THEM ADEQUATE TIME TO MOVE ANY VEHICLE IN OR OUT.</u>
- THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO THE RESIDENT AND/OR BUSINESS AND GIVE A COPY OF SAID WRITTEN NOTICE TO THE PROJECT INSPECTOR 48 HOURS PRIOR TO BEING ALLOWED TO COMMENCE WORK WHICH WOULD INVOLVE ACCESS TO SAID PROPERTY.
- TEMPORARY SIDEWALKS, ETC. WILL BE NECESSARY TO PREVENT PERSONS FROM WALKING IN MUD IN ORDER TO ENTER THEIR PROPERTY. TEMPORARY BRIDGES, RAILINGS ETC. WILL BECOME NECESSARY IN ORDER TO CROSS FORMED CURB LINES, EXCAVATED AREAS BEHIND CURB LINES AND WALKWAYS, ETC. THESE TEMPORARY SIDEWALKS, ETC. SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CONTRACT.
- BUSINESS AND GIVE A COPY OF SAID WRITTEN NOTICE TO THE PROJECT INSPECTOR 48 HOURS PRIOR TO BEING ALLOWED TO COMMENCE WORK WHICH WOULD INVOLVE ACCESS TO SAID PROPERTY.
- FROM WALKING IN MUD IN ORDER TO ENTER THEIR PROPERTY. TEMPORARY BRIDGES, RAILINGS ETC. WILL BECOME NECESSARY IN ORDER TO CROSS FORMED CURB LINES, EXCAVATED AREAS BEHIND CURB LINES AND WALKWAYS, ETC. THESE TEMPORARY SIDEWALKS, ETC. SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CONTRACT.
- 2. THE CONTRACTOR SHALL OBEY ALL LOCAL LAWS AND ORDINANCES INCLUDING ANY NOISE RESTRICTIONS.
- 4. ALL OPEN TRENCHES FOR STORM SEWERS, WATERMAINS, ETC., SHALL BE PROPERLY DELINEATED FROM THE TRAVELED ROADWAY BY REFLECTIVE DRUMS. TRENCHES SHALL EITHER BE BACKFILLED OR COVERED FOR ANY EXTENDED PERIODS OF NO CONSTRUCTION IN ORDER TO MAINTAIN CONTINUOUS TWO-WAY TRAFFIC, PART WIDTH CONSTRUCTION AND OFF PEAK TRAFFIC VOLUME PERIODS (SEE NOTE "TIME RESTRICTIONS") SHALL BE UTILIZED TO CONSTRUCT ANY REQUIRED UTILITY CROSSOVERS, LATERALS,

ACCEPTANCE OF THE PROJECT.

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

SYMBOL LEGEND — G— G— EXISTING GAS LINE ———— GS ———— GS ———— GS ———— EXISTING GAS SERVICE ——— W—— W—— W—— EXISTING WATER MAIN ----- ws --- ws --- ws --- ws --- EXISTING WATER SERVICE —— — RD — EXISTING ROOF DRAIN \_\_\_\_\_ S \_\_\_\_\_ S \_\_\_\_ S \_\_\_\_ EXISTING SANITARY SEWER ——— FM ——— FM ——— FM ——— EXISTING SANITARY FORCE MAIN \_\_\_ x \_\_\_ EXISTING FENCE -----650----- EXISTING CONTOURS (MAJOR) ----- EXISTING CONTOURS (MINOR) -----EXISTING PROPERTY LINE —————— EXISTING EASEMENT . EXISTING GUARDRAIL EXISTING TREE LINE

— G — PROPOSED GAS LINE GS GS GS GS GS GS PROPOSED GAS SERVICE C-OH———— PROPOSED CABLE (UNDERGROUND / OVERHEAD) T-UG PROPOSED TELEPHONE (UNDERGROUND / OVERHEAD) ── W── PROPOSED WATER MAIN PROPOSED STORM SEWER — — UD — UD — UD — PROPOSED UNDERDRAIN ——— —— UD/DSC —— —— UD/DSC ——— PROPOSED UNDERDRAIN / DOWNSPOUT COLLECTOR COMBC

EXISTING MAILBOX EXISTING SIGN EXISTING CABLE PEDESTAL

EXISTING ELECTRIC PEDESTAL EXISTING PULL BOX EXISTING GROUND LIGHT

MB

SCO

DCO

EXISTING FLAGPOLE

EXISTING LIGHT POLE

EXISTING GAS METER

EXISTING GAS VALVE

EXISTING GAS BOX

EXISTING UTILITY POLE

EXISTING GUY WIRE / ANCHOR

EXISTING SANITARY MANHOLE

EXISTING SANITARY CLEANOUT

EXISTING SINGLE / DOUBLE CURB INLET

EXISTING STORM MANHOLE

EXISTING STORM CLEANOUT

EXISTING TELEPHONE MANHOLE

EXISTING TELEPHONE PEDESTAL

EXISTING CATCH BASIN

EXISTING FIRE HYDRANT

EXISTING WATER METER

EXISTING WATER VALVE

TEST BORING LOCATION

EXISTING ELECTRIC METER

EXISTING ELECTRIC MANHOLE

- THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO THE RESIDENT AND/OR
- ). TEMPORARY SIDEWALKS, ETC. WILL BE NECESSARY TO PREVENT PERSONS
- ANY COST FOR ITEMS NOT SPECIFICALLY NOTED UNDER THE MAINTENANCE OF TRAFFIC NOTE OR TEMPORARY PAVEMENT MARKING REQUIRED TO REOPEN LANES SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 614, MOT.
- MAINTENANCE OF TRAFFIC SHALL BE ONGOING THROUGH THE PROJECT, INCLUDING ALL PERIODS OF INACTIVITY BY THE CONTRACTOR, UNTIL FINAL
- OR CATCH BASIN LEADS WITHIN THE TRAVELED ROADWAY.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL DRIVEWAYS

PROPOSED SANITARY SEWER FM PROPOSED SANITARY FORCE MAIN FO—PROPOSED FIBER OPTICS \_\_\_ x \_\_\_\_ x \_\_\_ x \_\_\_ x \_\_\_ x \_\_\_ x \_\_\_ x \_\_\_ PROPOSED FENCE PROPOSED CONTOURS (MAJOR) PROPOSED CONTOURS (MINOR) PROPOSED RIGHT OF WAY —— - - PROPOSED PROPERTY LINE — — — — — — PROPOSED EASEMENT · O O O O O O O O O O PROPOSED GUARDRAIL PROPOSED TREE LINE / CLEARING LIMITS PROPOSED DISTURBED LIMITS PROPOSED FLAGPOLE

PROPOSED MAILBOX PROPOSED SIGN PROPOSED CABLE PEDESTAL PROPOSED ELECTRIC PEDESTAL PROPOSED PULL BOX PROPOSED GROUND LIGHT PROPOSED LIGHT POLE PROPOSED ELECTRIC METER PRPOSED ELECTRIC MANHOLE PROPOSED GAS METER PROPOSED GAS VALVE PROPOSED GAS BOX PROPOSED UTILITY POLE PROPOSED GUY WIRE / ANCHOR PROPOSED SANITARY MANHOLE PROPOSED SANITARY CLEANOUT SCO PROPOSED STORM MANHOLE

ODCO

PROPOSED CATCH BASIN PROPOSED STORM CLEANOUT PROPOSED TELEPHONE MANHOLE

PROPOSED TELEPHONE PEDESTAL PROPOSED FIRE HYDRANT PROPOSED WATER METER

PROPOSED WATER VALVE REMOVE EXISTING BUSH / TREE

EXISTING BUSHES / TREES PROPOSED SLOPE DIRECTION EXISTING SURVEY BENCHMARK

PROPOSED SINGLE / DOUBLE CURB INLE

PROJECT NO.

35273

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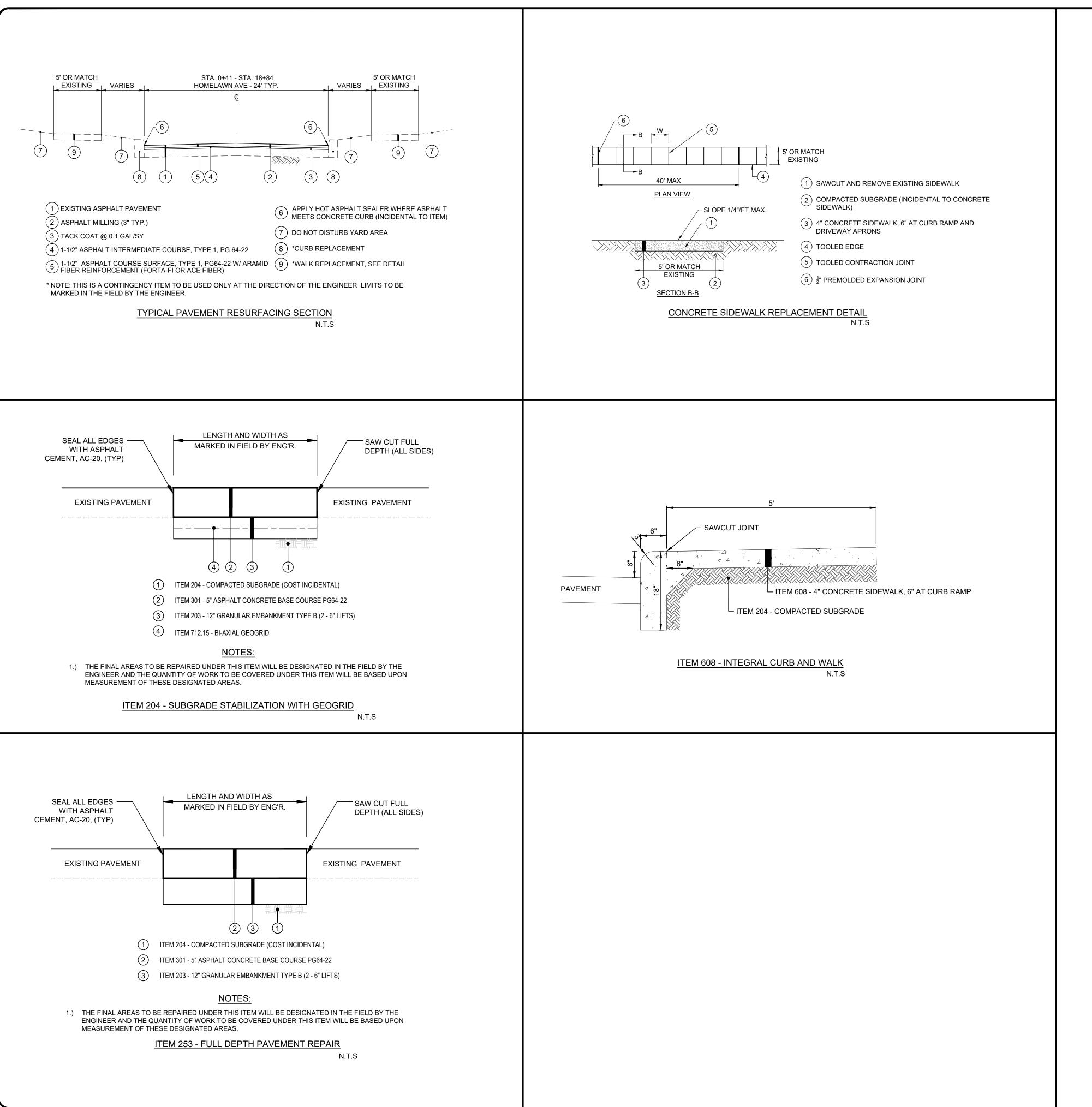
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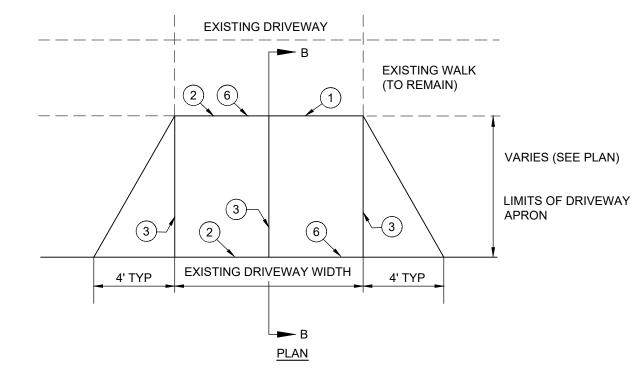
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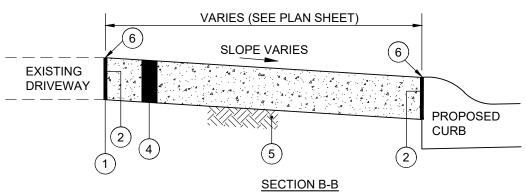
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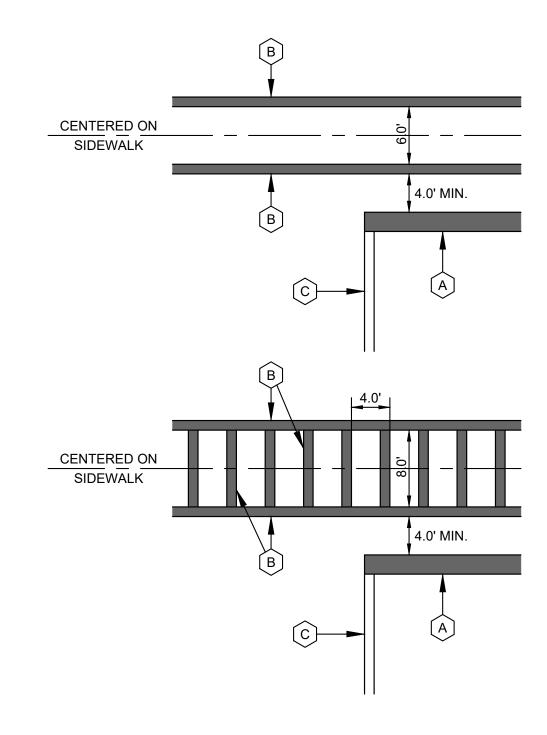
- 1 SAWCUT AT NEAREST JOINT AND REMOVE EXISTING CONCRETE PAVEMENT (INCIDENTAL TO ITEM SPL)
- 1" PREFORMED EXPANSION JOINT MATERIAL (FLEXIBLE FOAM-CERAMAR BY W.R. MEADOWS OR APPROVED EQUAL) INCIDENTAL TO DRIVEWAY REPLACEMENT
- 3 TOOLED JOINT
- (4) 6" CONCRETE DRIVEWAY/APRON (PER HAMILTON COUNTY SUBDIVISION REGULATIONS)
- 5 COMPACTED SUBGRADE (INCIDENTAL TO 6" CONCRETE DRIVEWAY/APRON REPLACEMENT)
- 6 SEAL JOINT WITH GRAY SELF LEVELING SEALANT (SIKA FLEX OR APPROVED EQUAL)

#### NOTE:

- ANY YARD AREA DISTURBED BY THE CONSTRUCTION OF THE DRIVEWAY APRON SHALL BE RESTORED WITH TOPSOIL, SEED AND MULCH (INCIDENTAL TO CONCRETE DRIVEWAY APRON REPLACEMENT).
- ALL EXCAVATION REQUIRED FOR THE PLACEMENT OF THE PROPOSED DRIVEWAY SHALL BE INCIDENTAL TO CONCRETE DRIVEWAY REPLACEMENT BID ITEM.
- \* NOTE: THIS IS A CONTINGENCY ITEM TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER LIMITS TO BE MARKED IN THE FIELD BY THE ENGINEER.

#### **CONCRETE DRIVEWAY REPLACEMENT (WITH SIDEWALK)**

N.T.S



ITEM 644 - PAVEMENT MARKING DETAIL

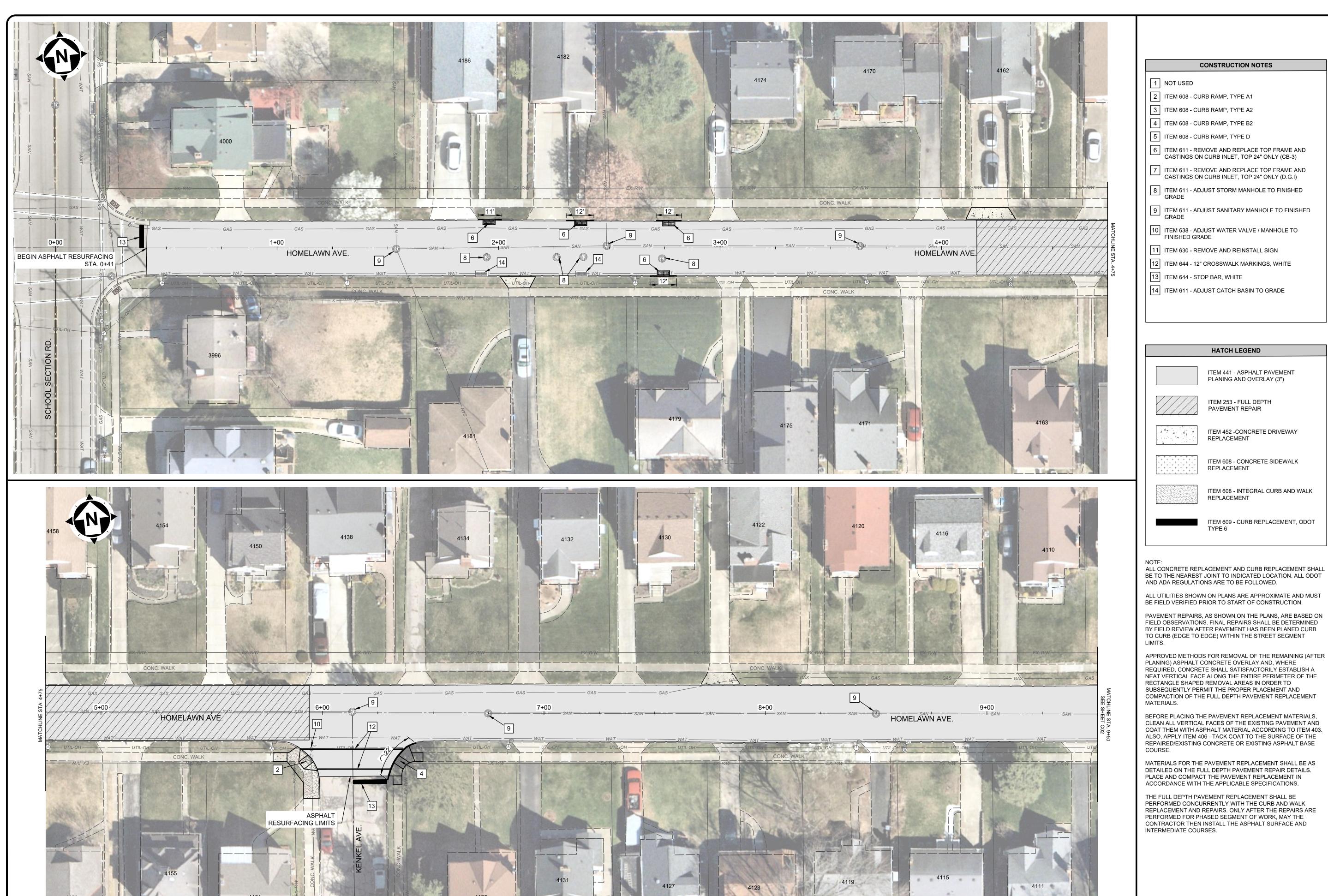
#### **LEGEND**

- A ITEM 644 24" STOP LINE
- B ITEM 644 12" CROSSWALK LINES
- C ITEM 644 4" SOLID DOUBLE YELLOW CENTERLINE



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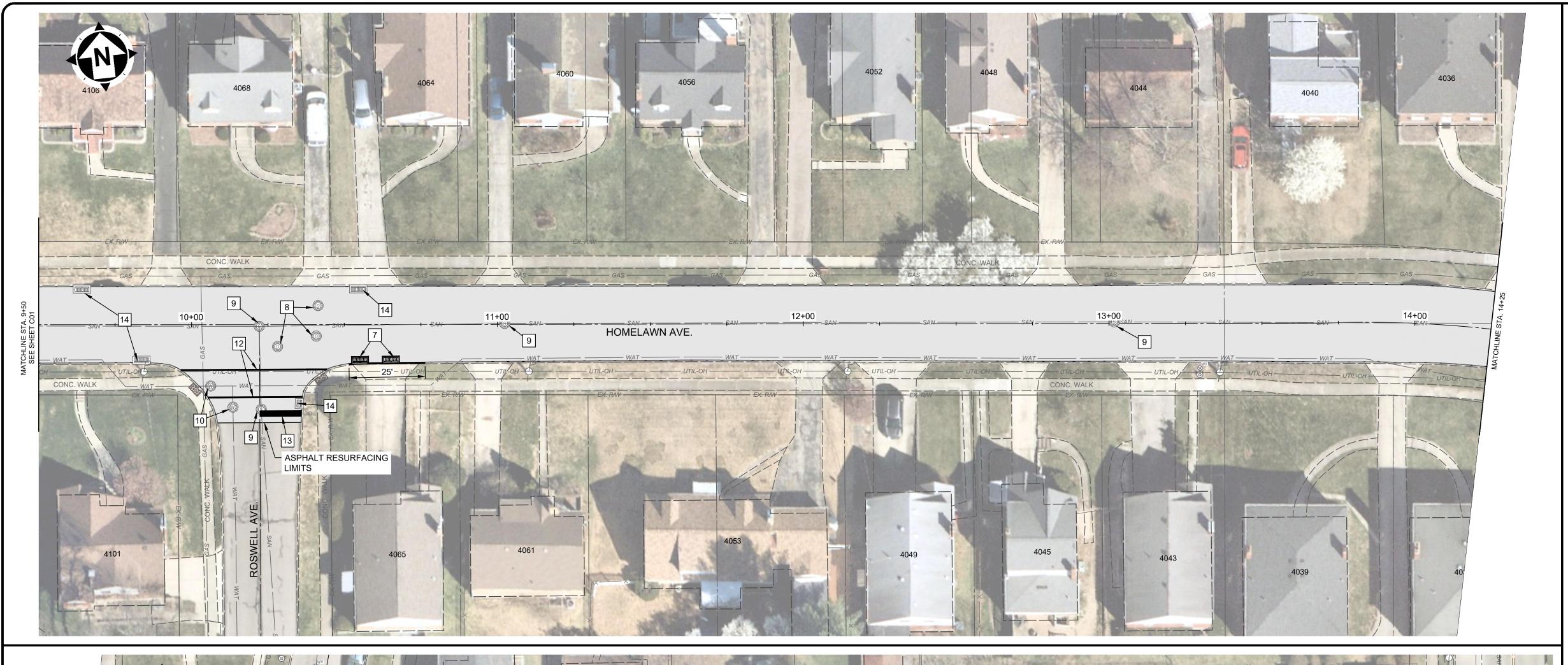
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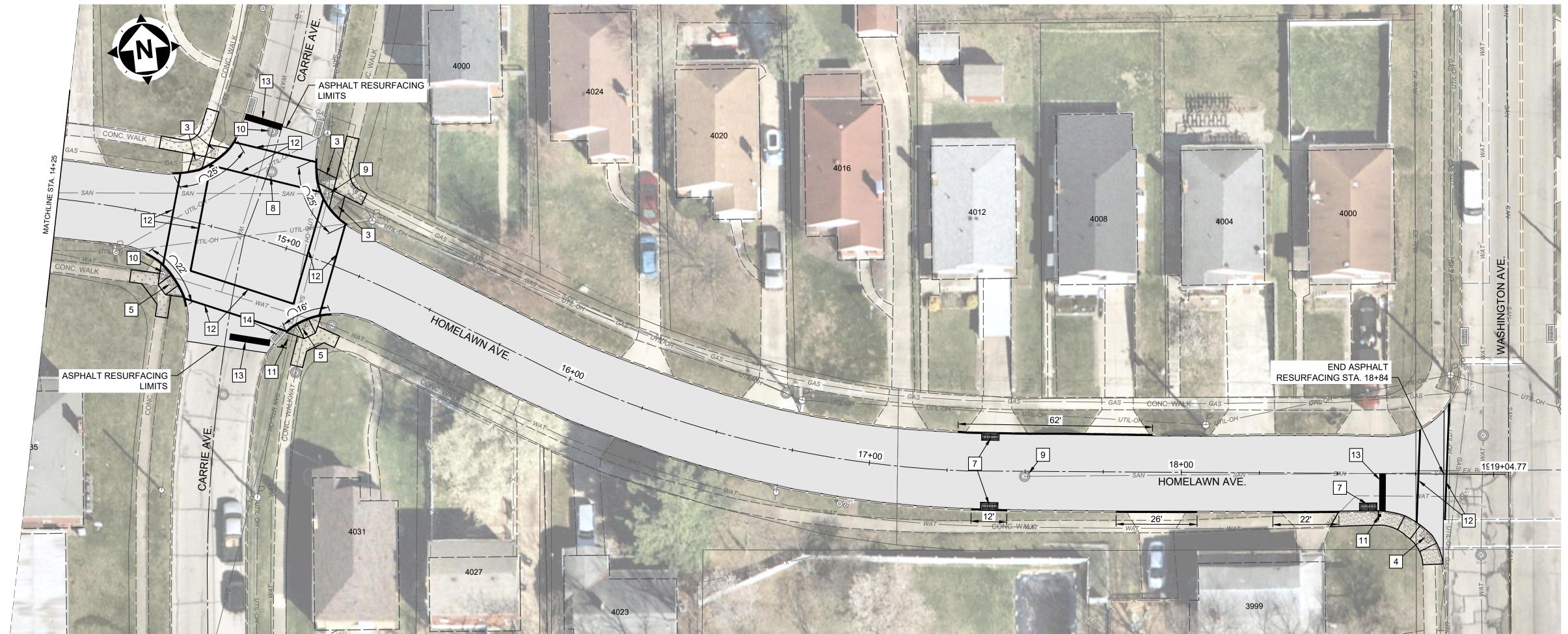
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1 NOT USED

2 ITEM 608 - CURB RAMP, TYPE A1

3 ITEM 608 - CURB RAMP, TYPE A2

4 ITEM 608 - CURB RAMP, TYPE B2

5 ITEM 608 - CURB RAMP, TYPE D

6 ITEM 611 - REMOVE AND REPLACE TOP FRAME AND CASTINGS ON CURB INLET, TOP 24" ONLY (CB-3)

7 ITEM 611 - REMOVE AND REPLACE TOP FRAME AND CASTINGS ON CURB INLET, TOP 24" ONLY (D.G.I)

8 ITEM 611 - ADJUST STORM MANHOLE TO FINISHED

9 ITEM 611 - ADJUST SANITARY MANHOLE TO FINISHED

10 ITEM 638 - ADJUST WATER VALVE / MANHOLE TO

FINISHED GRADE 11 ITEM 630 - REMOVE AND REINSTALL SIGN

12 ITEM 644 - 12" CROSSWALK MARKINGS, WHITE

13 ITEM 644 - STOP BAR, WHITE

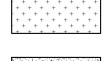
14 ITEM 611 - ADJUST CATCH BASIN TO GRADE

#### HATCH LEGEND

ITEM 441 - ASPHALT PAVEMENT PLANING AND OVERLAY (3")



ITEM 452 -CONCRETE DRIVEWAY REPLACEMENT



ITEM 608 - CONCRETE SIDEWALK REPLACEMENT



ITEM 608 - INTEGRAL CURB AND WALK REPLACEMENT

ITEM 609 - CURB REPLACEMENT, ODOT

ALL CONCRETE REPLACEMENT AND CURB REPLACEMENT SHALL BE TO THE NEAREST JOINT TO INDICATED LOCATION. ALL ODOT AND ADA REGULATIONS ARE TO BE FOLLOWED.

ALL UTILITIES SHOWN ON PLANS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO START OF CONSTRUCTION.

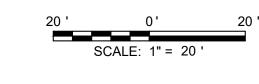
PAVEMENT REPAIRS, AS SHOWN ON THE PLANS, ARE BASED ON FIELD OBSERVATIONS. FINAL REPAIRS SHALL BE DETERMINED BY FIELD REVIEW AFTER PAVEMENT HAS BEEN PLANED CURB TO CURB (EDGE TO EDGE) WITHIN THE STREET SEGMENT

APPROVED METHODS FOR REMOVAL OF THE REMAINING (AFTER PLANING) ASPHALT CONCRETE OVERLAY AND, WHERE REQUIRED, CONCRETE SHALL SATISFACTORILY ESTABLISH A NEAT VERTICAL FACE ALONG THE ENTIRE PERIMETER OF THE RECTANGLE SHAPED REMOVAL AREAS IN ORDER TO SUBSEQUENTLY PERMIT THE PROPER PLACEMENT 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 ITEM 403. ALSO, APPLY ITEM 406 - TACK COAT TO THE SURFACE OF THE REPAIRED/EXISTING CONCRETE OR EXISTING ASPHALT BASE

MATERIALS FOR THE PAVEMENT REPLACEMENT SHALL BE AS DETAILED ON THE FULL DEPTH PAVEMENT REPAIR DETAILS. PLACE AND COMPACT THE PAVEMENT REPLACEMENT IN ACCORDANCE WITH THE APPLICABLE SPECIFICATIONS.

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





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PROJECT NO. 35273 DISCIPLINE CIVIL SHEET NAME

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