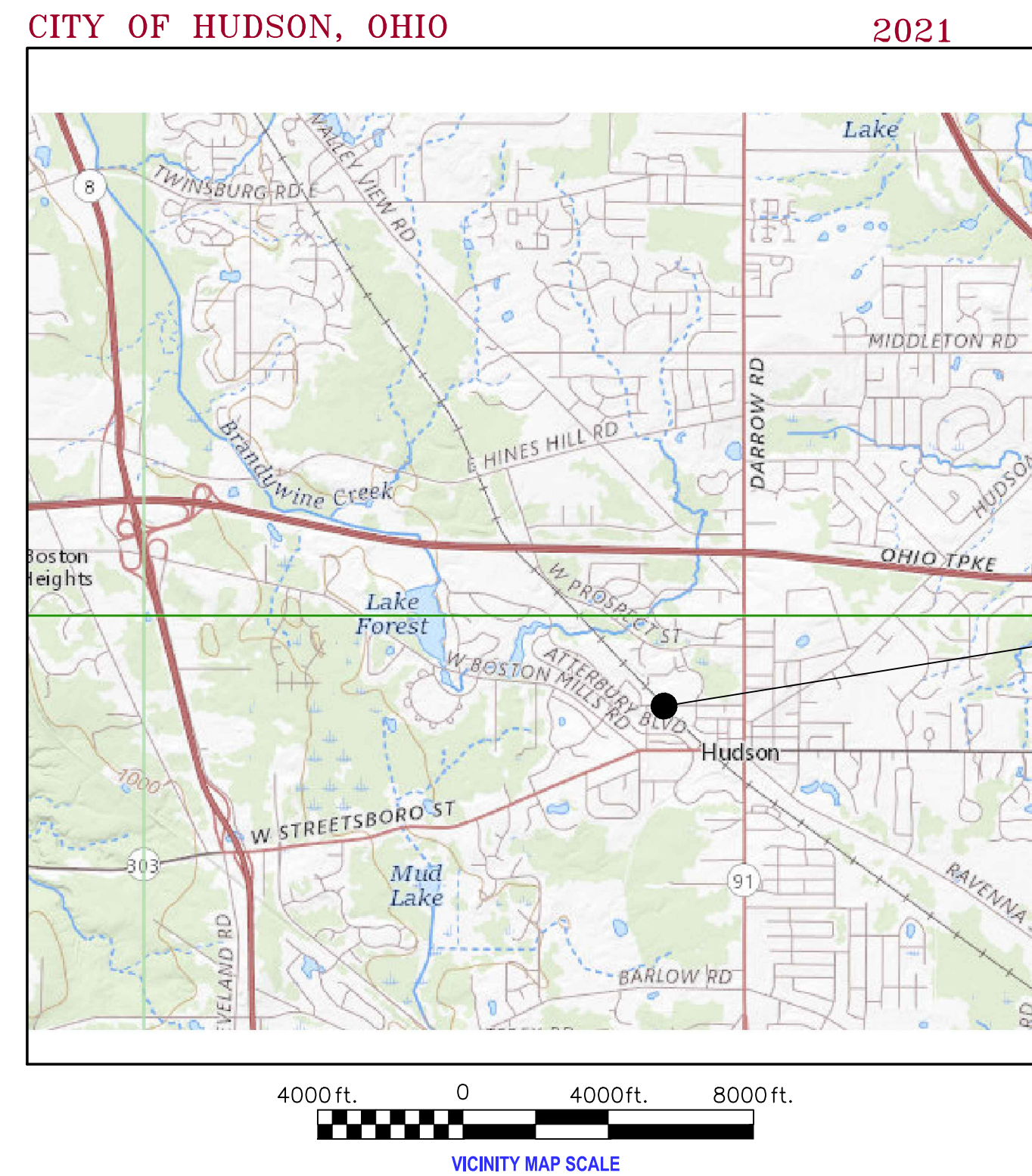


SHEET	DESCRIPTION
1	TITLE SHEET
2-3A	GENERAL NOTES
4-6	PLAN & PROFILE
7	TYPICAL SECTIONS
8-9	DETAILS
10-11	DETOUR PLANS

# CITY OF HUDSON

## OWEN BROWN ST. SIDEWALK

SUMMIT COUNTY, OHIO  
MARCH 2022



APPROXIMATE SITE LOCATION



APPROXIMATE SITE LOCATION

**CITY OF HUDSON COUNCIL MEMBERS**  
 WILLIAM WOOLDREDGE - COUNCIL PRESIDENT  
 KATE SCHLADEMAN - WARD ONE  
 CHRIS FOSTER - WARD TWO  
 SKYLAR SUTTON - WARD THREE  
 BETH BIGHAM - WARD FOUR  
 HAL DeSAUSSURE - AT LARGE  
 NICOLE KOWALSKI - AT LARGE

ASSISTANT CITY MANAGER, ASSISTANT PROFESSIONAL SERVICES, CITY OF HUDSON      DATE

**THIS IS A LOCALLY FUNDED PROJECT**

**CONTACTS**

**CITY OF HUDSON**  
 PHONE: (330) 650-1799 | FAX: (330) 342-1722  
 1140 TEREK RD.  
 HUDSON, OHIO 44236

**THE THRASHER GROUP**  
**CANTON, OH OFFICE**  
 400 3RD ST. SE  
 SUITE 309  
 CANTON, OH 44702  
 (330) 451-2042

**CLIENT'S CONTACT**  
 CITY OF HUDSON, ENGINEERING  
 ATTN: THOMAS SHERIDAN, PE, PS,  
 ASSISTANT CITY MANAGER -  
 PROFESSIONAL SERVICES  
 (330) 342-1770

**ENGINEER**  
 THE THRASHER GROUP  
 ATTN: BRAD OLINGER, PE  
 (330) 451-2042



CONTRACTOR SHALL NOTIFY THE ONE-CALL SYSTEM OF THE INTENDED EXCAVATION OR DEMOLITION NOT LESS THAN FORTY-EIGHT (48) HOURS IN ADVANCE OF A DIGGING ACTIVITY.  
 CALL 811.COM/811-IN-YOUR-STATE

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NAME , OH P.E. # -		
<input type="checkbox"/>	ISSUED FOR PERMITS	DATE: _____ BY: _____
<input type="checkbox"/>	ISSUED FOR BID	DATE: _____ BY: _____
<input type="checkbox"/>	ISSUED FOR CONSTRUCTION	DATE: _____ BY: _____

**CITY OF HUDSON GENERAL NOTES**

- CONSTRUCTION OF THE SITE WORK AND UTILITIES SHALL BE GOVERNED BY THE CITY OF HUDSON'S "ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION", LATEST EDITION.
- THE CONTRACTOR MUST ALERT THE OHIO UTILITY PROTECTION SERVICES AT 1-800-362-2764 OR 811 AT LEAST 48 HOURS BEFORE ANY EXCAVATION IS TO BEGIN.
- ALL EXISTING APPURTENANCES (UTILITY POLES, VALVES, HYDRANTS, MANHOLES, ETC.) ARE TO BE MAINTAINED BY THE CONTRACTOR UNLESS OTHERWISE SHOWN ON THE PLANS.
- THE DESIGN ENGINEER CERTIFIES THAT ALL UTILITIES ARE SHOWN AS THEY APPEAR ON EXISTING RECORDS OR FIELD LOCATED WHERE AVAILABLE.
- ALL KNOWN ABOVE AND UNDERGROUND SERVICES HAVE BEEN NOTED ON THE DRAWINGS. THE CONTRACTOR ACCEPTS FULL RESPONSIBILITY FOR ANY SERVICES DAMAGED DURING THE CONSTRUCTION OF THE PROJECT WHETHER SHOWN OR NOT ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING THE SERVICE AS SOON AS POSSIBLE AT THE CONTRACTOR'S EXPENSE.
- VIDEO TAPING OF PROJECT SHALL BE DELIVERED AND ACCEPTED BY THE CITY OF HUDSON ENGINEERING DEPARTMENT A MINIMUM OF 14 CALENDAR DAYS PRIOR TO START OF CONSTRUCTION ACTIVITIES. SEE NOTE 31 AND 32.
- NOTIFY THE CITY OF HUDSON ENGINEERING DEPARTMENT A MINIMUM OF FIVE WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
- A PRECONSTRUCTION MEETING SHALL BE SCHEDULED A MINIMUM OF 48 HOURS (2 WORKING DAYS) AFTER SUBMISSION OF A MINIMUM OF 6 APPROVED SETS OF PLANS AND ALL SHOP DRAWINGS APPLICABLE TO THE PROPOSED IMPROVEMENTS. A PRECONSTRUCTION MEETING MUST BE HELD PRIOR TO START OF ANY CONSTRUCTION.
- ALL ROAD SURFACES, EASEMENTS, OR RIGHT-OF-WAY DISTURBED BY THE CONSTRUCTION OF ANY PART OF THESE IMPROVEMENTS ARE TO BE RESTORED ACCORDING TO THE CITY OF HUDSON "ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION" AS DIRECTED BY THE CITY OF HUDSON AND/OR ITS ENGINEER.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CITY OF HUDSON OR ITS REPRESENTATIVE IF SUSPECTED HAZARDOUS MATERIAL OR ANY OTHER MATERIAL THAT MAY CREATE A HEALTH RISK IS DISCOVERED ON SITE.
- ALL DISTURBED STORM SEWERS AND/OR APPURTENANCES, SIGNS, GUARD RAILING, MAIL AND/OR PAPER BOXES, DRIVE CULVERTS, STORM SEWERS, DOWNSPOUTS, FENCES, TREES, LANDSCAPING, OR OTHER ITEMS DISTURBED BY THE CONSTRUCTION SHALL BE RESTORED OR REPAIRED TO AT LEAST THE BEFORE-CONSTRUCTION CONDITION.
- ANY DEFECTS DISCOVERED IN NEW CONSTRUCTION, WORKMANSHIP, EQUIPMENT OR MATERIALS SHALL BE REPAIRED, OR CORRECTED BY APPROVED METHODS AS DIRECTED BY THE CITY OF HUDSON.
- APPROVAL BY THE CITY OF HUDSON ENGINEER CONSTITUTES NEITHER EXPRESSED NOR IMPLIED WARRANTIES AS TO THE FITNESS, ACCURACY, OR SUFFICIENCY OF PLANS, DESIGNS OR SPECIFICATIONS.
- DURING TAPPING OF EXISTING UTILITIES, ANY TRAFFIC CONTROL REQUESTED OR REQUIRED BY THE CITY OF HUDSON WILL BE PROVIDED BY THE CONTRACTOR AT NO COST TO THE CITY.
- COMPLIANCE WITH THE OCCUPATIONAL AND SAFETY ACT OF 1970 IS REQUIRED BY ALL CONTRACTORS ON THIS PROJECT.
- ROOF DRAINS, FOUNDATION DRAINS, AND OTHER EXISTING STORM CONNECTIONS TO THE STORM OR COLLECTORS SEWERS ARE PROHIBITED.
- ALL DISTURBED AREAS SHALL RECEIVE 4" COMPACTED OF TOPSOIL AND BE SEEDED AND MULCHED AS PER SECTION 9 - LANDSCAPING AND STREET TREES OF THE CITY'S "ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION", LATEST EDITION.
- IF MUD, SOIL, OR OTHER DEBRIS IS DEPOSITED ON ADJACENT STREETS, ROADS, OR OTHER PROPERTY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF SUCH AS DIRECTED BY THE CITY OF HUDSON OR ITS ENGINEER AT THE END OF EACH WORK DAY, OR AS REQUIRED DURING THE WORK DAY. THE CITY CAN STOP WORK UNTIL RESOLVED.
- ALL PROPOSED SLOPES 3:1 OR STEEPER UNLESS OTHERWISE SHOWN AND ALL EARTHEN DRAINAGE WAYS SHALL RECEIVE JUTE OR EXCELSIOR MATTING AS PER ODOT 667 OR 668.
- ALL STORM SEWERS WITHIN PUBLIC RIGHTS-OF-WAY, CITY OF HUDSON PROPERTY, AND CITY OF HUDSON EASEMENTS SHALL BE PER SECTION 4 - STORM COLLECTION OF THE CITY'S "ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION", LATEST EDITION.

- ALL PIPES SHALL BE PLACED OVER 4" OF BEDDING. BEDDING MATERIAL SHALL BE AS SPECIFIED IN CITY'S "ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION", LATEST EDITION, FOR THE TYPE OF PIPE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND PROTECTING THE FLOW OF VEHICULAR AND PEDESTRIAN TRAFFIC AROUND THE JOB SITE. TRAFFIC CONTROL SHALL BE COORDINATED WITH THE CITY OF HUDSON POLICE DEPARTMENT. CONTRACTOR SHALL FOLLOW THE OHIO UNIFORM TRAFFIC CONTROL MANUAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING PLANT TICKETS FOR ALL MATERIALS DELIVERED TO THE SITE. PLANT TICKETS MUST SHOW NET QUANTITY OF DELIVERED MATERIAL. MATERIAL DELIVERED OR PLACED WITHOUT PLANT TICKETS SEE DISCLAIMER STATEMENT ON THE TITLE PAGE OF HUDSON ENGINEERING STANDARDS.
- ALL DELIVERED MATERIALS SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF HUDSON OR OTHER APPLICABLE AGENCIES. THE CITY OF HUDSON, OR ITS REPRESENTATIVE, RESERVES THE RIGHT TO REJECT ANY DELIVERED MATERIAL WHICH DOES NOT CONFORM TO THE APPLICABLE STANDARDS AND SPECIFICATIONS.
- THE CITY OF HUDSON OR ITS REPRESENTATIVE, RESERVES, THE RIGHT TO HALT ALL CONSTRUCTION ACTIVITY FOR NONCONFORMANCE OF PLANS, SPECIFICATIONS AND OTHER APPLICABLE STANDARDS OR REGULATIONS.
- ALL CHANGES TO APPROVED DRAWINGS AND/OR SPECIFICATIONS MUST BE REAPPROVED BY THE CITY OF HUDSON PRIOR TO CONSTRUCTION.
- ALL PAVING MATERIAL MUST BE PROVIDED BY ODOT CERTIFIED SUPPLIER. WRITTEN PROOF SHALL BE REQUIRED UPON DELIVERY OF MATERIALS. THE CERTIFIED MIX DESIGN MUST BE SUBMITTED TO, AND APPROVED BY, THE CITY OF HUDSON PRIOR TO SCHEDULING A PRECONSTRUCTION MEETING.
- THE CONTRACTOR SHALL PROVIDE ALL REQUIRED IN THE DESIGN OF ROADWAY SIGNAGE AS PER ODOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES INCLUDING STREET IDENTIFICATION SIGNAGE PER CITY STANDARDS FOR ALL ASPECTS OF THE IMPROVEMENT.
- ALL WORK AS PART OF THESE PLANS SHALL BE COMPLETED, INCLUDING PUNCH LIST ITEMS AND DEFICIENCY WORK WITHIN THE CONTRACT SCHEDULE.
- MANUFACTURERS OR SUPPLIERS AFFIDAVIT FOR ALL CONSTRUCTION MATERIALS SHALL BE PROVIDED AS PER THE CITY'S "ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION", LATEST EDITION PRIOR TO THE START OF CONSTRUCTION.
- PRIOR TO MOBILIZING EQUIPMENT OR DELIVERING MATERIALS TO THE PROJECT SITE, ALL CONSTRUCTION PROJECTS THAT FRONT PUBLIC PROPERTY OR ARE WITHIN EXISTING OR PROPOSED RIGHTS-OF-WAY SHALL BE VIDEO TAPED. VIDEO TAPING SHALL EXTEND FROM RIGHT-OF-WAY TO RIGHT-OF-WAY AND TWENTY FEET ONTO PRIVATE PROPERTY ALONG THE ROUTE OF CONSTRUCTION. IN EASEMENT AREAS, VIDEO TAPING SHALL EXTEND TWENTY FEET EACH SIDE OUTSIDE OF THE EASEMENT AS WELL AS THE FULL EASEMENT AREA. VIDEO TAPING SHALL INCLUDE BOTH AUDIO AND VIDEO, AND THE EXISTING CONDITIONS DOCUMENTED, SPECIFICALLY FOR RESTORATION CONCERNS. VIDEO TAPE SHALL BE SUBMITTED AND ACCEPTED BY THE CITY A MINIMUM OF TWO WEEKS PRIOR TO CONSTRUCTION.
- IDENTIFY HOUSE AND BUSINESS ADDRESSES OR OTHERWISE PROVIDE A MEANS OF MEASUREMENT SO THAT THE LOCATION OF TAPING COULD BE EASILY DETERMINED. VIDEO TAPE FORMAT SHALL BE AS DIRECTED BY THE CITY. CONSTRUCTION SHALL NOT BEGIN UNTIL CITY HAS REVIEWED AND APPROVED THE PRECONSTRUCTION VIDEO TAPE.
- CONTROLLED LOW STRENGTH MORTAR (CLSM) (50#) SHALL BE PLACED AT LEAST 4 FEET AROUND ALL APPURTENANCES (I.E. MANHOLES, DRYWELLS, VALVE PITS, VALVES, HYDRANTS, ETC. WITHIN THE PAVEMENT OR ZONE OF INFLUENCE. THE LSM SHALL BE INSTALLED FROM TO WITHIN EIGHT (8) INCHES FROM FINAL GRADE WITHIN OWEN BROWN STREET.
- NO CONSTRUCTION EQUIPMENT SHALL IMPINGE UPON THE TRAVEL LANE OR UPON THE TREES OR THEIR CANOPY'S ALONG THE TREE LAWN.
- THE CONTRACTOR SHALL CONTROL DUST, AS DIRECTED BY THE ENGINEER, BY APPLYING EITHER WATER OR CALCIUM CHLORIDE. THIS ITEM SHALL BE INCLUDED IN THE MAINTENANCE OF TRAFFIC ITEM 614. THE CITY CAN STOP WORK UNTIL RESOLVED.
- THE CONTRACTOR AND/OR SUBCONTRACTOR REPRESENTATIVE SHALL ATTEND WEEKLY PROGRESS MEETINGS OR AS DIRECTED BY ENGINEER. CONTRACTOR MUST HAVE A SUPERVISOR (SUPERINTENDENT AND/OR FOREMAN) ON JOB DURING ALL WORK WITH GENERAL OR SUBCONTRACTORS. UPDATES TO SCHEDULE SHALL BE SUBMITTED AT PROJECT MEETINGS.
- ALL EXISTING DOWNSPOUT LINES/FIELD TILES SHALL BE TIED INTO THE STORM SEWER SYSTEM WHERE STORM SEWER IS PROPOSED OR EXISTING. IF A MAIN STORM LINES DOES CROSS THE FRONT YARD OF A DISTURBED LOT, DOWNSPOUT LINES AND FIELD LINES WILL BE TIED INTO THE NEW UNDERDRAIN.
- THE "AS DIRECTED" ITEMS WITHIN THESE PLANS, SHALL ONLY BE COMPLETED AS DIRECTED BY THE CITY OF HUDSON ENGINEER OR HIS DESIGNATED REPRESENTATIVE.

39. CLEARING AND GRUBBING; ALTHOUGH THERE ARE NO TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY SHALL BE INCLUDED AS PART OF THE CONTRACTORS BID PACKAGE FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

**PROJECT SPECIFIC NOTES**

- THE PROJECT SHALL BE COMPLETED INCLUDING GRASS RESTORATION AND CLEANUP BY THE DATE SPECIFIED IN THE CONTRACT DOCUMENTS. FINAL MILLING AND PAVING IS SCHEDULED FOR COMPLETION UNDER A SEPARATE CONTRACT IN 2022.
- PROJECT DESCRIPTION  
THIS PROJECT IS THE INSTALLATION OF A FIVE (5) FOOT WIDE SIDEWALK APPROXIMATELY 1195.23 FEET LONG AS SHOWN ON THE PLANS. WITH 3-4" CONDUITS BETWEEN TWO (2) PULL BOXES TO BE USED BY OTHERS. LIMITED CURBING, PAVEMENT MILL & FILL, DRAINAGE AND TRAFFIC CONTROL DEVICES FOR HEIGHT RESTRICTIONS.  
  
ALT #1  
ALTERNATE #1 IS TO INCLUDE ALL MATERIAL AND LABOR TO INSTALL THE TRAFFIC DEVICES INDICATED ON SHEET 8 OF THE PLANS. ALT #1
- THE LENGTH OF THE OPEN TRENCH (MAXIMUM OF 100 FEET) CANNOT EXCEED THE AMOUNT OF TRENCH THAT CAN BE BACKFILLED AND PLATED EACH DAY. PROPER SHORING WITH TRENCH BOXES, PLATES, OR OTHER OSHA APPROVED METHODS SHALL BE INSTALLED TO A MINIMUM HEIGHT OF 18-INCHES ABOVE THE ROAD TO PROTECT THE ROADWAY AND THE CONSTRUCTION ZONE. ADVANCED WARNING SIGNS SHALL BE PLACED WHEN PLATES ARE USED. THE TRENCH SHALL BE BACKFILLED AND COMPACTED PRIOR TO REMOVING THE SHORING, UNLESS OTHERWISE APPROVED BY THE CITY OF HUDSON.
- PAVEMENT REPAIRS ON OWEN BROWN STREET WILL BE PER DETAIL, SHEET 7.
- ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES AT ALL TIMES. WHEN THE CONTRACTOR IS CROSSING DRIVEWAYS. AN 18 HOUR WRITTEN NOTICE MUST BE GIVEN TO THE OWNER/TENANTS THAT ACCESS MAY BE RESTRICTED FOR A LIMITED AMOUNT OF TIME. THE CONTRACTOR WILL BE REQUIRED TO INFORM THE OWNER/TENANTS BY LETTER PRIOR TO CONSTRUCTION AND THEN COORDINATE THIS WORK AND ANY ACCESS ISSUES WITH THE PROPERTY OWNERS. NO DRIVEWAY SHALL BE CLOSED FOR MORE THAN 24 HOURS. CONCRETE FOR DRIVES SHALL BE MS CONCRETE. ALL DRIVEWAY APRONS ALONG THE SOUTH SIDE OF OWEN BROWN STREET SHALL BE REPLACED AS PART OF THIS PROJECT. EXISTING CONCRETE AND GRAVEL APPROACHES SHALL BE REPLACED WITH A MINIMUM OF 6" TYPE MS CONCRETE. EXISTING ASPHALT APPROACHES SHALL BE REPLACED WITH A NEW ASPHALT APRON. THE CONTRACTOR SHALL PROVIDE STEEL PLATES AND NECESSARY GRAVEL TO BRIDGE THE NEW CURB AT ALL DRIVEWAYS, NO LATER THAN 5PM ON THE DAY OF THE CURB INSTALLATION AND NO MORE THAN 8 HOURS SHALL THE DRIVEWAY BE CLOSED, DURING INSTALLATION. PARKING AREA WITHIN CONSTRUCTION ZONE AND WITHIN 200 FEET OF DRIVE SHALL BE PROVIDED DURING CLOSURE. COORDINATE WITH CITY AND PROPERTY OWNER BY CONTRACTOR.
- ALL DRIVEWAYS SHALL BE OPENED BY 6:00 PM UNLESS APPROVED BY THE CITY.
- ALL WATER SERVICES SHALL BE DISCONNECTED & RECONNECTED BETWEEN THE HOURS OF 8:00 AM AND 4:00 PM MONDAY THROUGH FRIDAY, WITH 18 HOUR NOTICE TO PROPERTY OWNER.
- NO WORK IS PERMITTED ON THE WEEKENDS. UNLESS APPROVED BY THE CITY.
- NO WORK, STAGING, OR STORAGE OF MATERIALS IS PERMITTED ON PRIVATE PROPERTY WITHOUT AUTHORIZATION FROM THE CITY AND PROPERTY OWNER.
- ONLY WET SAW-CUTTING IS PERMITTED.
- ACTIVITIES AND LAND ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, ANY POWER-OPERATED CONSTRUCTION-TYPE DEVICE SHALL NOT BE OPERATED BETWEEN THE HOURS OF 7:00 PM AND 7:00 AM WITHOUT PRIOR APPROVAL OF THE ENGINEER. IN ADDITION ANY SUCH DEVICE SHALL NOT BE OPERATED AT ANY TIME IN A SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.
- THE CONSTRUCTION LATRINE SHALL BE INCLUDED IN THE COST OF MOBILIZATION, ITS FIELD LOCATION SHALL BE APPROVED BY THE CITY. PERIODIC RELOCATION OR REPLACEMENT MAY BE REQUIRED, AS DIRECTED BY THE CITY.
- NOTE THAT PER CITY CODIFIED ORDINANCE 802.03: "THE FIRE CHIEF, OR THE CHIEF'S DESIGNEE, MAY, UPON DISCOVERING ACTIVE TRENCHING OPERATIONS BEING CONDUCTED IN VIOLATION OF FEDERAL, STATE OR LOCAL LAWS OR REGULATIONS, ISSUE A STOP WORK ORDER REQUIRING THE PERSON FOUND IN VIOLATION TO CEASE ALL EXCAVATION OR TRENCHING OPERATIONS UNTIL SUCH LAWS AND REGULATIONS ARE COMPLIED WITH.

- THE CONTRACTOR SHALL WET AND USE A MECHANICAL BROOM TO SWEEP THE DISTURBED PROJECT AREAS A MINIMUM OF ONCE PER DAY OR AS DIRECTED BY THE CITY. THE DISTURBED PROJECT AREAS SHALL ALSO BE CLEANED VIA REGENERATIVE-AIR OR MECHANICAL VACUUM AT THE END OF EACH WORK WEEK OR AS DIRECTED BY THE CITY.
- CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE FOR ALL PROPOSED SWALES AND FOR ALL DISTURBED AREAS THAT REQUIRES SEEDING AND MULCHING.
- AFTER FINAL RESTORATION, THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION FLAGGING, STAKING AND OUPS FLAGGING.
- SCHOOL BUS SCHEDULE=6:30-9:00 AM AND 2:00-4:30 PM

**PROJECT SEQUENCE OF CONSTRUCTION**

- THE SEQUENCE OF CONSTRUCTION FOR THE PROJECT SHALL BE SUBMITTED TO THE CITY A MINIMUM OF TEN (10) DAYS BEFORE PRE-CON MEETING. THE CITY MUST APPROVE THE REQUESTED SEQUENCE IN WRITING, BEFORE ANY MOBILIZATION. THE SEQUENCE OF CONSTRUCTION SHALL ADHERE TO THE RESTRICTIONS DESCRIBED IN THE PLANS, SPECIFICATIONS AND CITY OF HUDSON ENGINEERING STANDARDS.
- CONTRACTOR SHALL INSTALL ALL NECESSARY EROSION AND SEDIMENT CONTROL DEVICES PER ODOT SUPPLEMENTAL SPECIFICATION 832..
- THE CONTRACTOR SHALL SUBMIT A METHOD OF CONSTRUCTION SHOWING ANY LAY DOWN AREAS, AND ANY UTILITIES NOT SHOWN ON THE PLAN PRIOR TO THE INSTALLATION OF THE SIDEWALK AND ANY UTILITIES WORK

**PROJECT PHASING**

DURING ANY PHASE OF CONSTRUCTION, IF OVEREXCAVATION IS BEING PERFORMED, THE CONTRACTOR SHALL FILL ALL OVEREXCAVATED AREAS WITH THE APPROPRIATE MATERIAL BEFORE THE END OF EACH WORK DAY.

PHASE 1  
PHASE 1 INVOLVES THE REMOVAL AND RECONSTRUCTION OF THE EXISTING CURB AND SIDEWALK THROUGHOUT THE PROJECT LIMITS, EXCEPT ANY WORK WITHIN THE BRIDGE LIMITS, STA. 14+15.77 TO STA. 14+95.99. PHASE 1 WILL ALSO INCLUDE THE REMOVAL OF THE EXISTING STORM SEWER AND CONSTRUCTION OF THE PROPOSED STORM SEWER. RELOCATION OF AN EXISTING FIRE HYDRANT AND ADJUSTMENT TO ANY VALVES OR MANHOLES WITHIN THE PROJECT AREA AFFECTED BY THE CONSTRUCTION.

PHASE 1 SHALL BE CONSTRUCTED WHILE MAINTAINING ONE LANE OF TRAFFIC ON OWEN BROWN ST. IN A WESTBOUND DIRECTION UNDER THE BRIDGE, WITH FLAGGERS AS NEEDED. EASTBOUND TRAFFIC WILL BE DETOURED PER THE DETAIL ON SHEET 11.

PHASE 2  
PHASE 2 INVOLVES THE REMOVAL AND RECONSTRUCTION OF THE EXISTING CURB WITHIN THE BRIDGE LIMITS, STA. 14+15.77 TO STA. 14+95.99 INCLUDING CONSTRUCTION OF THE PROPOSED CONCRETE PARAPET WITH RAILING AND PROPOSED SIDEWALK. INSTALLATION OF THE TRAFFIC SIGNALS WILL BE PREFORMED BY OTHERS DURING PHASE 2.

PHASE 2 SHALL BE CONSTRUCTED UNDER CLOSURE WITH BOTH DIRECTIONS OF TRAFFIC DETOURED PER THE DETAIL ON SHEET 12. WE HAVE ESTIMATED (2) TWO WEEKS, 14 CALENDAR DAYS FOR CLOSURE. NO WORK ON SUNDAYS OR HOLIDAYS. CLOSURE SHALL BE APPROVED BY THE CITY.

OPEN TRAFFIC AT END OF PHASE 2.

**4" CONDUIT WITH PULL BOXES**


THE CONTRACTOR IS TO INSTALL 3-4" CONDUITS UNDER THE SIDEWALK FROM STA. 13+00, 8.00' RT TO STA. 16+25, 8.00' RT FOR THE TRAFFIC CONTROL AS BASE BID WORK FOR THE MAST ARMS INSTALLED BY OTHERS.

CAD FILE: R:\080\080-10068.00-City Of Hudson-Owen Brown St. Sidewalk-City Of Hudson-Drawing\080-10068 Notes.dwg

PLOT DATE/TIME: 3/16/2022 11:16 AM

USER: jbh m. coy

LAYOUT: 02-NOTES

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						DRAWN: _____ DATE: _____			CONTRACT No.		<b>2</b>
						CHECKED: _____ DATE: _____					
						APPROVED: _____ DATE: _____					
						SURVEY DATE: _____			PROJECT No.		
					SURVEY BY: _____		080-10068				
	NO.	BY	DATE	DESCRIPTION		FIELD BOOK No.:					

**UTILITY NOTES**

1. INVESTIGATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COSTS SHALL BE INCLUDED IN BID ITEMS.

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

DOMINION EAST OHIO 320 SPRINGSIDE DRIVE, SUITE 320 AKRON, OH 44333 (330) 664-2409 ATTN: MARY LONG	SUMMIT PETROLEUM, INC. 9345 RAVENNA RD. UNIT A TWINSBURG, OH 44087 (330) 487-5494
HUDSON PUBLIC POWER 95 OWEN BROWN STREET HUDSON, OH 44236 (330) 342-1750 ATTN: KEVIN POWELL	TIME WARNER CABLE 8385 BAVERIA PKWY MACEDONIA, OH 44056 (216) 392-7947 ATTN: DENNIS THOMPSON
HUDSON PUBLIC WORKS--STORM 1769 GEORGETOWN ROAD HUDSON, OH 44236 (330) 342-1755 ATTN: DAN ROTH	SUMMIT CO DEPT OF SAN SEWER SERVICES 1180 S MAIN ST #201 AKRON, OH 44301 (330) 926-2477 ATTN: ROSS NICHOLSON, P.E.
HUDSON PUBLIC WORKS--WATER 1769 GEORGETOWN ROAD HUDSON, OH 44236 (330) 342-1755 ATTN: SCOTT ANGEL	LEVEL 3 COMMUNICATIONS 1290 E. HINES HILL RD. HUDSON, OHIO 44236 (330) 342-3520
WINDSTREAM 243 N. MAIN STREET HUDSON, OH 44236 (330) 650-8434 ATTN: PAUL GRABER, SR.	AT&T OHIO 50 WEST BOWERY STREET AKRON, OH 44308 (330) 384-3048 ATTN: LUCIE HINSHAW
CENTURYLINK 3801 ELM ROAD WARREN, OH 44483 (440) 244-8415 ATTN: BOBBY WALTERS	VERIZON BUSINESS/MCI 12300 RIDGE ROAD NORTH ROYALTON, OH 44133 (440) 457-4832 ATTN: DANIEL ARZ

3. THE CONTRACTOR SHALL PERFORM ALL WORK NEAR UTILITIES IN ACCORDANCE WITH 105.07 SECTIONS 107.16 IN THE ODOT CONSTRUCTION AND MATERIALS SPECIFICATIONS.

4. DETAILS AND DIMENSIONS SHOWN ON THESE PLANS CONCERNING THE EXISTING FACILITIES HAVE BEEN OBTAINED FROM DILIGENT FIELD SURVEY AND RECORD PLANS OF THE EXISTING FACILITIES AND DO NOT NECESSARILY REPRESENT AS-BUILT CONDITIONS. THE CONTRACT SHALL BE BASED ON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON AN EXAMINATION OF THE WORKSITE BY THE CONTRACTOR. ALL PROJECT WORK SHALL BE BASED UPON THE ACTUAL DETAILS AND DIMENSIONS PRESENTED ON THESE PLANS AND SPECIFICATIONS.

5. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE OHIO UTILITIES PROTECTION SERVICE (OUPS), THE OHIO OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE (OGPUPS), AND ALL NON REGISTERED UTILITY OWNERS AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN ALL AREAS.

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

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

7. THE CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL APPLICABLE SECTIONS OF OSHA STANDARD 29 CFR 1910.146 AND OSHA STANDARD 29 CFR 1926. THE COST OF THIS WORK SHALL BE INCLUDED IN EACH BID ITEM.

**STORM WATER POLLUTION PREVENTION PLAN**

THE CONDITIONS OF THE NPDES CONSTRUCTION STORM WATER GENERAL PERMIT (SUPPLEMENTAL SPECIFICATIONS 832) SHALL BE MET DURING ALL STAGES OF CONSTRUCTION. THE LOCATION AND TIMING OF ALL EROSION AND SEDIMENT CONTROL ITEMS SHALL BE FIELD ADJUSTED TO PREVENT SIGNIFICANT IMPACTS ON RECEIVING WATERS. IMPLEMENTATION OF THIS STORM WATER POLLUTION PREVENTION PLAN SHALL CONTINUE THROUGHOUT THE DURATION OF THE PROJECT OR UNTIL SUCH TIME THAT THE UPSLOPE DISTURBED AREAS ARE STABILIZED.

INSTALLATION OF SEDIMENT BASINS/DAMS, PERIMETER FILTER FABRIC FENCE, AND DITCH CHECKS SHALL BE AS PER CONSTRUCTION AND MATERIAL SPECIFICATION 832.

ALL REASONABLE ATTEMPTS SHOULD BE MADE TO MINIMIZE THE TOTAL AREA OF DISTURBED LAND.

AREAS TO REMAIN DORMANT FOR MORE THAN 20 DAYS SHOULD BE IMMEDIATELY STABILIZED WITH CONSTRUCTION SEEDING AND MULCHING, EROSION CONTROL MATTING OR OTHER APPROPRIATE EROSION CONTROL MEASURES. ALL WORK SHALL BE INCLUDED IN ITEM 659 - SEEDING AND MULCHING.

**TREE TRIMMING AND PRUNING**

TRIMMING OF EXISTING TREES THAT IS NECESSARY TO COMPLETE PROPOSED WORK SHALL BE PERFORMED BY THE CONTRACTOR. CONTRACTOR TO PERFORM AND PROVIDE DETAIL OF PRUNING FROM ARBORIST AND STANDARDS.

**UNRECORDED STORM WATER DRAINAGE**

FURNISH A CONTINUANCE FOR ALL UNRECORDED STORM WATER DRAINAGE, SUCH AS ROOF DRAINS, DOWNSPOUT CONNECTIONS, FOOTER DRAINS, OR YARD DRAINS DISTURBED BY THE WORK. FURNISH EITHER AN OPEN CONTINUANCE OR AN UNOBSTRUCTED CONTINUANCE BY CONNECTING A CONDUIT THROUGH THE CURB INTO A DRAINAGE STRUCTURE, OR UTILIZING A CITY OF HUDSON APPROVED PIPE TO PIPE CONNECTION. THE LOCATION, TYPE, SIZE AND GRADE OF THE NEEDED CONDUIT TO REPLACE OR EXTEND AN EXISTING DRAIN WILL BE DETERMINED BY THE ENGINEER. ALL SUCH CONTINUANCE REQUIRES A RIGHT OF WAY USE PERMIT. THE CONNECTING PIPE AND MATERIALS SHALL BE FURNISHED AS PART OF THE COST OF TIME 603, AS DIRECTED.

THE FOLLOWING CONDUIT TYPES MAY BE USED: 707.33, 707.41 NON-PERFORATED, 707.42, 707.43, 707.45, 707.46, 707.47, 707.51, 707.52 SDR35.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR USE AS DIRECTED BY THE ENGINEER FOR THE WORK NOTED ABOVE.

611, 6" CONDUIT, TYPE C, FOR DRAINAGE CONNECTION--AS DIRECTED--100 LF

**CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES**

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY TH PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

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

**REVIEW OF DRAINAGE FACILITIES**

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

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 ENGINEER.,

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

**WATERWORK NOTES**

1. THESE WATER WORK NOTES APPLY TO AREAS OF HUDSON THAT ARE TO BE SERVED WITH CITY OF HUDSON WATER.

2. ALL WATER MAINS AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF HUDSON 'ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION, LATEST EDITION.

3. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY AND ALL AREAS ALONG THE ROUTE OF THE WATER MAIN. THIS WILL INCLUDE LAWNS, DRIVES, DITCHES, CULVERTS, LANDSCAPING, ETC, AND ANY OTHER AREAS DISTURBED DURING THE CONSTRUCTION PROCESS.

4. ALL TESTING SHALL BE IN ACCORDANCE WITH THE CITY OF HUDSON ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION" AND BE COORDINATED WITH THE CITY OF HUDSON. AWWA C-600 PRESSURE TESTING AND C-651 DISINFECTION BY CHLORINATION OF THE WATER MAIN WILL BE REQUIRED.

5. ALL PROPOSED TRENCHES LOCATED UNDER EXISTING OR PROPOSED PAVEMENT SHALL BE FILLED WITH CONTROLLED LOW STRENGTH MORTAR, CLSM (50#) OR ODOT 304 (VIRGIN LIMESTONE ONLY) WITH 100% COMPACTION (TESTING PAID FOR BY CONTRACTOR). THE METHOD OF BACKFILLING, SHALL CONFORM TO ODOT 613 TYPE 1. SLAG IS NOT PERMITTED IN MIX. PAVEMENT INCLUDES, BUT IS NOT LIMITED TO, ROADWAY SURFACES, SIDEWALKS, BIKE WAYS, DRIVEWAYS, SHOULDERS, ETC. THE LIMITS OF THE CLSM OR 304 SHALL INCLUDE 45° ANGLE OF REPOSE FROM ALL EDGES OF PAVEMENT.

6. FIELD STAKING AND RECORD DRAWINGS SHALL BE PROVIDED TO THE CITY BY THE CONTRACTOR, AS SUPERVISED AND STAMPED BY A LICENSED PROFESSIONAL SURVEYOR. RECORD DRAWINGS (AS-BUILTS) IN BOTH REPRODUCIBLE AND DIGITAL FORMAT COMPATIBLE WITH THE CITY OF HUDSON STANDARDS TO BE SUBMITTED TO AND APPROVED BY THE CITY OF HUDSON PRIOR TO UTILITY SERVICE CONNECTIONS BEING MADE.

7. A 10' MINIMUM HORIZONTAL CLEARANCE AND AN 18" MINIMUM VERTICAL CLEARANCE SHALL BE MAINTAINED FROM THE EDGE OF THE WATER MAIN PIPE TO THE EDGE OF THE STORM SEWER PIPE, UNLESS OTHERWISE CALLED FOR IN THE PLANS.

8. A 10' MINIMUM HORIZONTAL CLEARANCE AND AN 18" MINIMUM VERTICAL CLEARANCE SHALL BE MAINTAINED FROM THE EDGE OF THE WATER MAIN PIPE TO THE EDGE OF ALL SANITARY SEWERS AND/OR FORCE MAIN PIPE. UNLESS OTHERWISE CALLED FOR IN THE PLANS.

9. RESTRAINTS BY EBBA IRON, INC OR APPROVED EQUAL.

10. ALL WATER MAINS WITHIN CONTROLLED LOW STRENGTH MORTAR BACKFILL SHALL BE WRAPPED IN POLYETHYLENE AS PER AWWA C-105. OTHER AREAS TO BE WRAPPED IN POLYETHYLENE SHALL BE AS SHOWN ON THE DRAWINGS, AS DETERMINED FROM DIPRA REPORT OR AS REQUIRED BY THE CITY.

11. WHERE WATER MAINS CROSS SEWER TRENCHES, THE TRENCH IS TO BE BACKFILLED WITH ODOT 304 CRUSHED LIMESTONE UNLESS OTHERWISE DIRECTED. SEE DISCLAIMER STATEMENT ON THE TITLE PAGE OF HUDSON ENGINEERING STANDARDS.

12. TAPPING SLEEVES SHALL BE ROMAC TYPE, WRAP AROUND STAINLESS STEEL WITH #316 STAINLESS STEEL BOLTS AND NUTS.

13. MANUFACTURER'S AFFIDAVIT: THE MANUFACTURER SHALL FURNISH AN AFFIDAVIT INDICATING THAT ALL PIPE, FITTINGS, VALVES, FIRE HYDRANTS, AND APPURTENANCES HAVE BEEN MANUFACTURED AND TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE REFERENCED STANDARDS. A COPY OF EACH AFFIDAVIT, INDICATING THE PROJECT ON WHICH THE MATERIAL IS TO BE USED SHALL BE FORWARDED TO THE CITY OF HUDSON PRIOR TO THE PRECONSTRUCTION MEETING BEING SCHEDULED. ALL PIPES AND FITTINGS SHALL BE MADE IN THE USA.

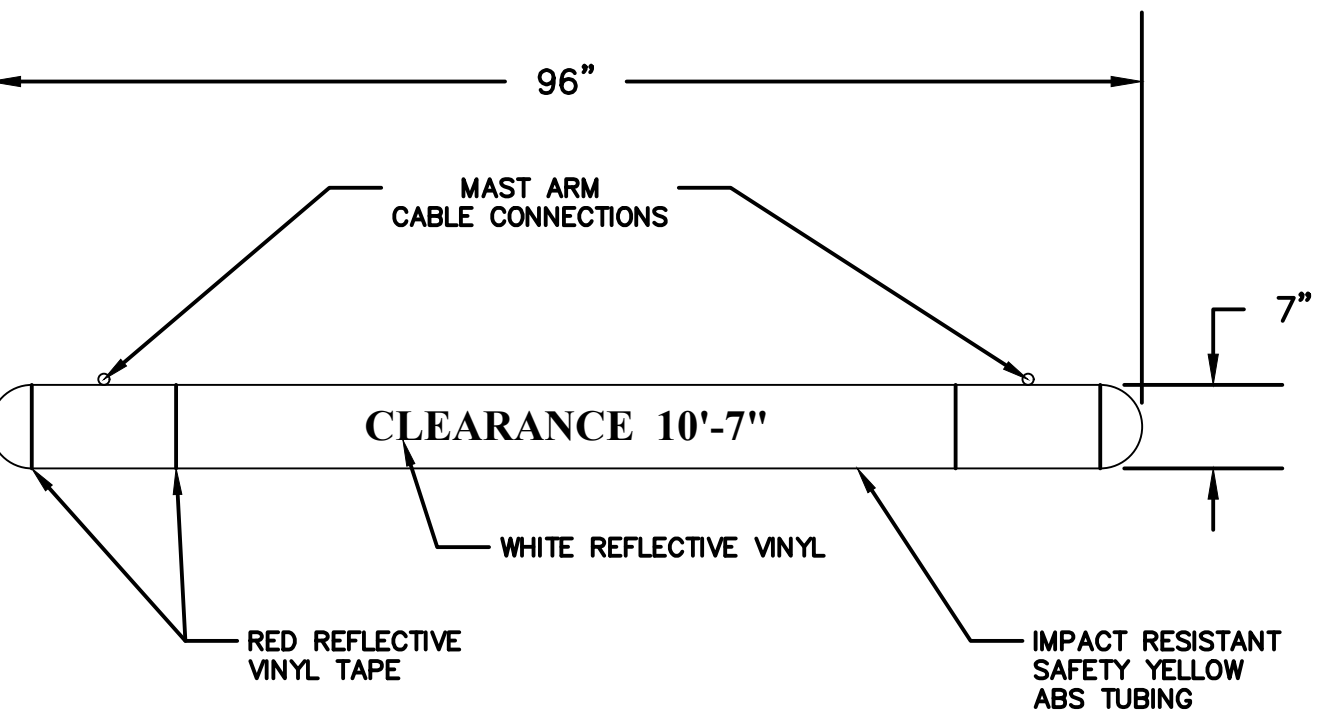
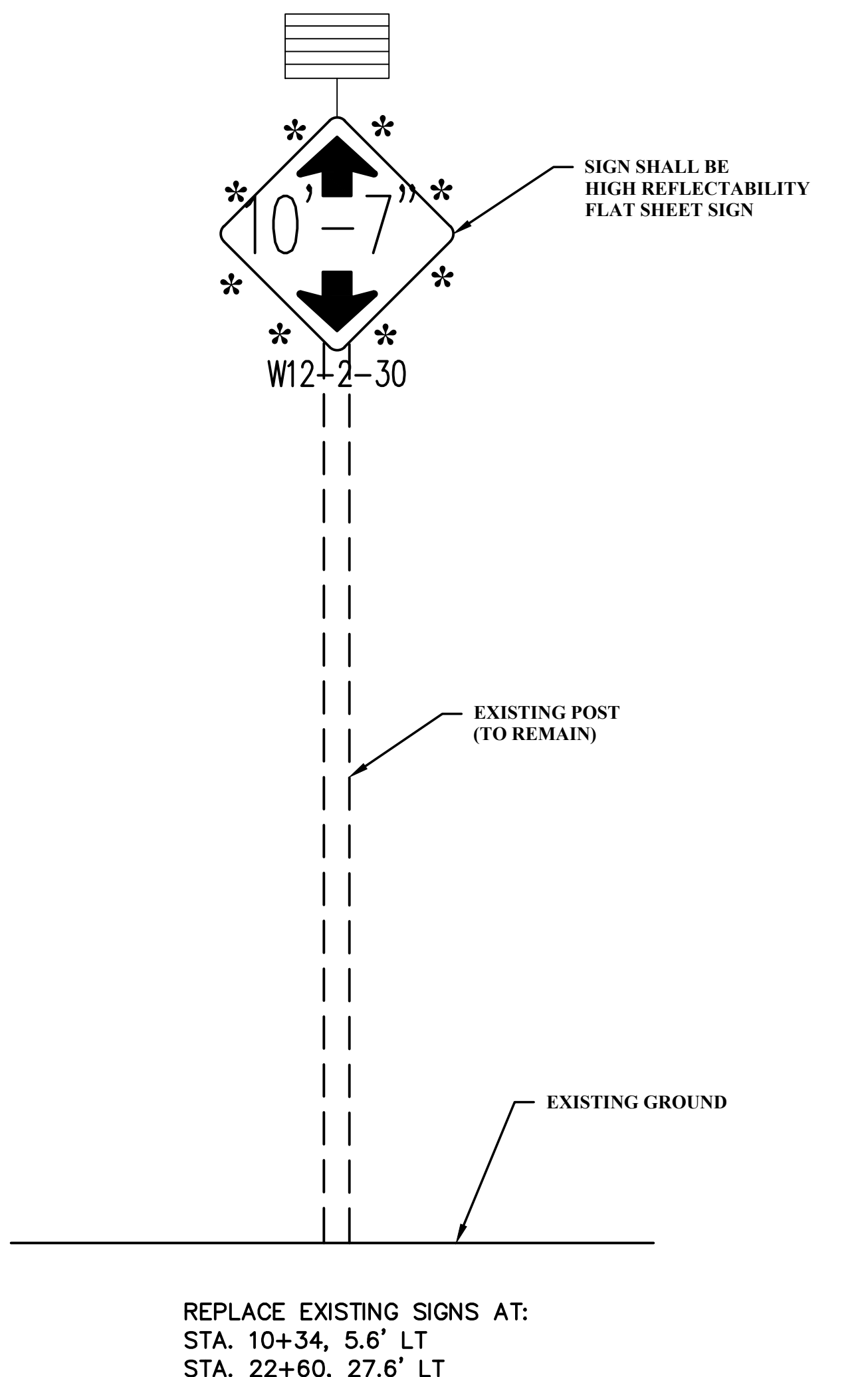
14. BOOSTER PUMPS ARE NOT PERMITTED ON SERVICE CONNECTIONS. THE CITY MAY GRANT SPECIAL PERMISSION FOR BUILDINGS FOUR STORIES AND HIGHER WITH A FIRE SUPPRESSION SYSTEM.

15. PROPOSED FACILITIES SHALL BE DESIGNED TO MAINTAIN A MINIMUM OF 35 PSI PRESSURE DELIVERED TO THE CURB STOP DURING NORMAL OPERATING CONDITIONS.

16. ALL WATER MAINS GREATER THAN 12 INCH DIAMETER SHALL BE LAID TO GRADE WITH HIGH POINTS AND LOW POINTS HAVING ADEQUATE BLOW-OFFS VIA USE OF HYDRANTS.

17. FOR ALL NON-RESIDENTIAL WATER SERVICE, A BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED PER CITY OF HUDSON AND OEPA STANDARDS AND REQUIREMENTS. FOR RESIDENTIAL WATER SERVICE A BACKFLOW PREVENTION DEVICE MAY BE REQUIRED FOR SWIMMING POOLS, IRRIGATION SYSTEMS, ETC. CONTACT THE CITY SERVICE/WATER DISTRIBUTION DEPARTMENT FOR THE REQUIREMENTS AND STANDARDS FOR BACKFLOW PREVENTION, THERMAL EXPANSION CONTROL, ETC.

18. CONCRETE (TYPE MS) THRUST BLOCKING REQUIRED AT ALL HORIZONTAL AND VERTICAL FITTINGS AND AT DEAD ENDS.

**CLEARANCE WARNING SIGN DETAIL, BASE BID**

REPLACE EXISTING SIGNS AT:  
STA. 10+34, 5.6' LT  
STA. 22+60, 27.6' LT

**TRAFFIC CONTROL DEVICES, LED SOLAR SIGNS, BASE BID**

NOT TO SCALE

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USER: john.m.coy

LAYOUT: 03-NOTES

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SURVEY BY:	
FIELD BOOK No.:	

**THRASHER**

THE THRASHER GROUP, INC.  
400 3rd St. SE, SUITE 309  
CANTON, OH 44702  
www.thrashergroup.com

PHONE (330)-451-2042 FAX (330)-451-2043

PHASE No.	
CONTRACT No.	
PROJECT No.	<b>080-10068</b>

**GENERAL NOTES**  
OWEN BROWN ST. SIDEWALK  
HUDSON, OH  
SEPTEMBER 27, 2021  
FINAL PLANS

SHEET No.  
**3**

**NORFOLK SOUTHERN**

THE CITY OF HUDSON AND THE CONSULTING ENGINEER HAVE WORKED WITH NORFOLK SOUTHERN RAILROAD ON OBTAINING AN ACCESS PERMIT FOR THIS PROJECT. THE CONTRACTOR SHALL FOLLOW THE PERMIT REQUIREMENTS. A COPY OF THE NS PERMIT IS INCLUDED IN THE BID DOCUMENTS.

ALL WORK ON, OVER, UNDER, OR ADJACENT TO NORFOLK SOUTHERN RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH THE NORFOLK SOUTHERN "SPECIAL PROVISIONS FOR THE PROTECTION OF RAILWAY INTERESTS" (NS SPECIAL PROVISIONS).

"ONE CALL" SERVICES DO NOT LOCATE BURIED RAILROAD SIGNAL AND COMMUNICATIONS LINES. THE CONTRACTOR SHALL CONTACT THE RAILROAD'S REPRESENTATIVE TWO (2) DAYS IN ADVANCE OF THOSE PLACES WHERE EXCAVATION, PILE DRIVING, OR HEAVY LOADS MAY DAMAGE RAILROAD UNDERGROUND LINES ON RAILROAD PROPERTY. UPON REQUEST FROM THE CONTRACTOR OR AGENCY, RAILROAD SIGNAL FORCES WILL LOCATE AND PAINT MARK OR FLAG RAILROAD UNDERGROUND SIGNAL, COMMUNICATION, AND POWER LINES IN THE AREA TO BE DISTURBED FOR THE CONTRACTOR. THE CONTRACTOR SHALL AVOID EXCAVATION OR OTHER DISTURBANCE OF THESE LINES WHICH ARE CRITICAL TO THE SAFETY OF THE RAILROAD AND THE PUBLIC. IF DISTURBANCE OR EXCAVATION IS REQUIRED NEAR A BURIED RAILROAD SIGNAL, COMMUNICATION, OR POWER LINE, THE LINE SHALL BE POTHOLED MANUALLY WITH CAREFUL HAND EXCAVATION BY THE CONTRACTOR AND PROTECTED BY THE CONTRACTOR DURING THE COURSE OF THE DISTURBANCE UNDER THE SUPERVISION AND DIRECTION OF THE RAILROAD REPRESENTATIVE.

ALL UTILITY INSTALLATIONS OR RELOCATIONS THAT ARE REQUIRED IN CONJUNCTION WITH THIS PROJECT CAN BE INSTALLED OR RELOCATED AS PART OF THE PROJECT PROVIDED THE CONSTRUCTION IS PERFORMED BY THE PROJECT CONTRACTOR OR PROJECT CONTRACTOR'S SUB-CONTRACTOR. HOWEVER, THE UTILITY MUST SUBMIT AN APPLICATION FOR THE INSTALLATION OR RELOCATION FOR APPROPRIATE HANDLING FOR LICENSE AGREEMENT AND APPLICABLE FEES. FOR UTILITY APPLICATION GO TO [www.nscorp.com/RealEstate/NSservices/Wire, Pipeline, and Fiber Optics Projects](http://www.nscorp.com/RealEstate/NSservices/Wire,Pipeline,andFiberOpticsProjects). NOTE: LICENSE AGREEMENT MUST BE EXECUTED PRIOR TO UTILITY BEING INSTALLED OR RELOCATED.

**LOCATION OF UTILITIES**

NOT ALL UTILITIES ARE SHOWN ON THE CONSTRUCTION PLANS. THE SIZE, DEPTH, AND LOCATION OF THE BURIED UTILITIES SHOWN OR NOT, ARE NOT WARRANTED. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT SIZE, DEPTH, AND LOCATION OF ALL BURIED UTILITIES WITHIN THE CONSTRUCTION AREA AND NORFOLK SOUTHERN RIGHT-OF-WAY PRIOR TO EXCAVATING.

USER: john.m.coy  
 LAYOUT: 03A NOTES  
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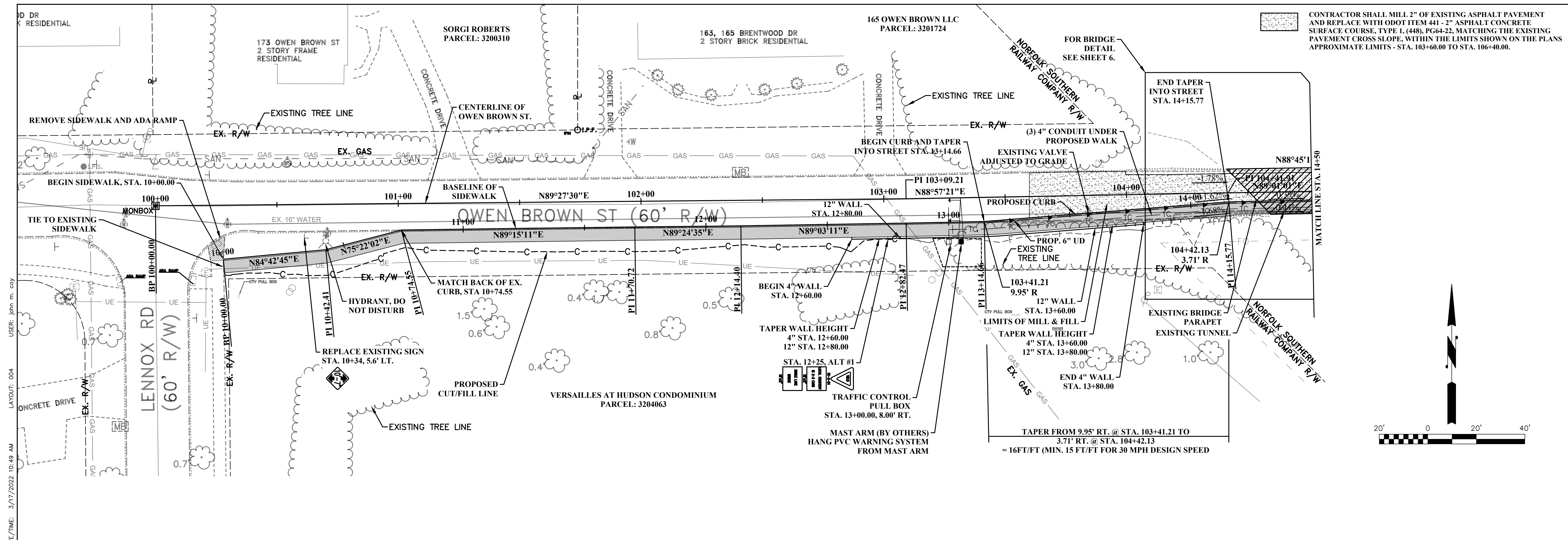


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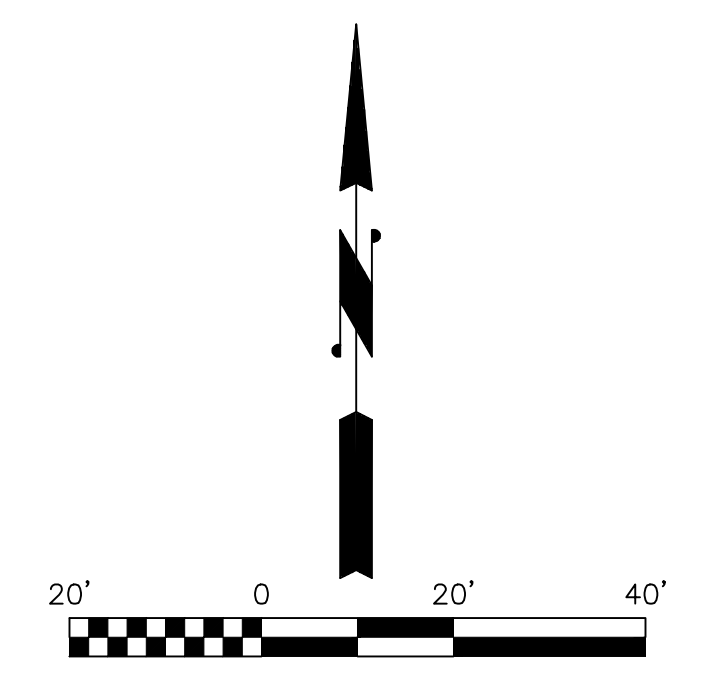
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CONTRACT No.	
PROJECT No.	<b>080-10068</b>

**GENERAL NOTES**  
**OWEN BROWN ST. SIDEWALK**  
**HUDSON, OH**  
**SEPTEMBER 27, 2021**  
**FINAL PLANS**

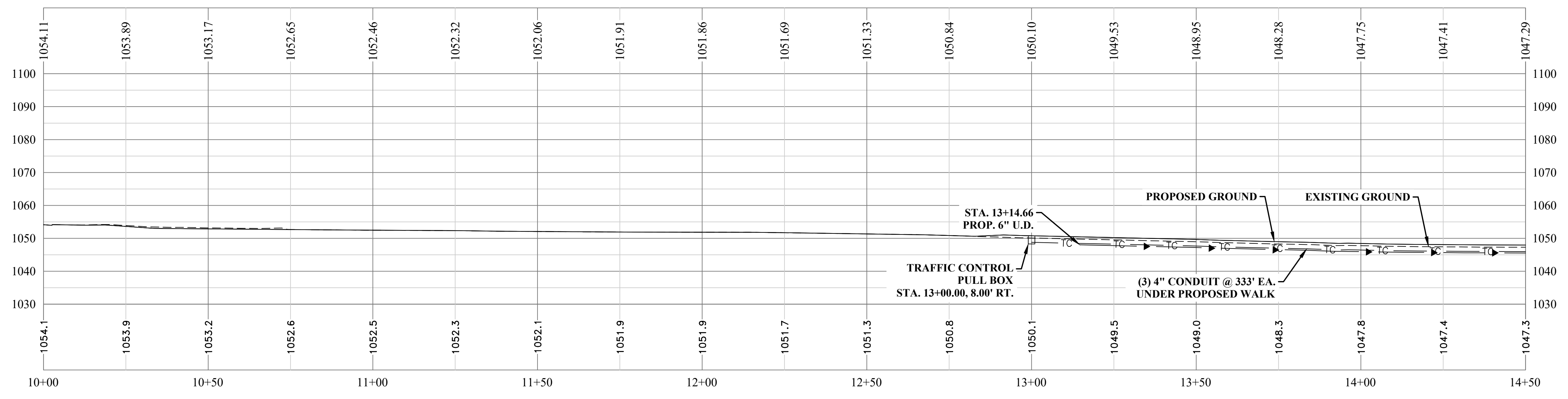
SHEET No.  
3A



CONTRACTOR SHALL MILL 2" OF EXISTING ASPHALT PAVEMENT AND REPLACE WITH ODOT ITEM 441 - 2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, MATCHING THE EXISTING PAVEMENT CROSS SLOPE, WITHIN THE LIMITS SHOWN ON THE PLANS APPROXIMATE LIMITS - STA. 103+60.00 TO STA. 106+40.00.



BL SIDEWALK PROFILE



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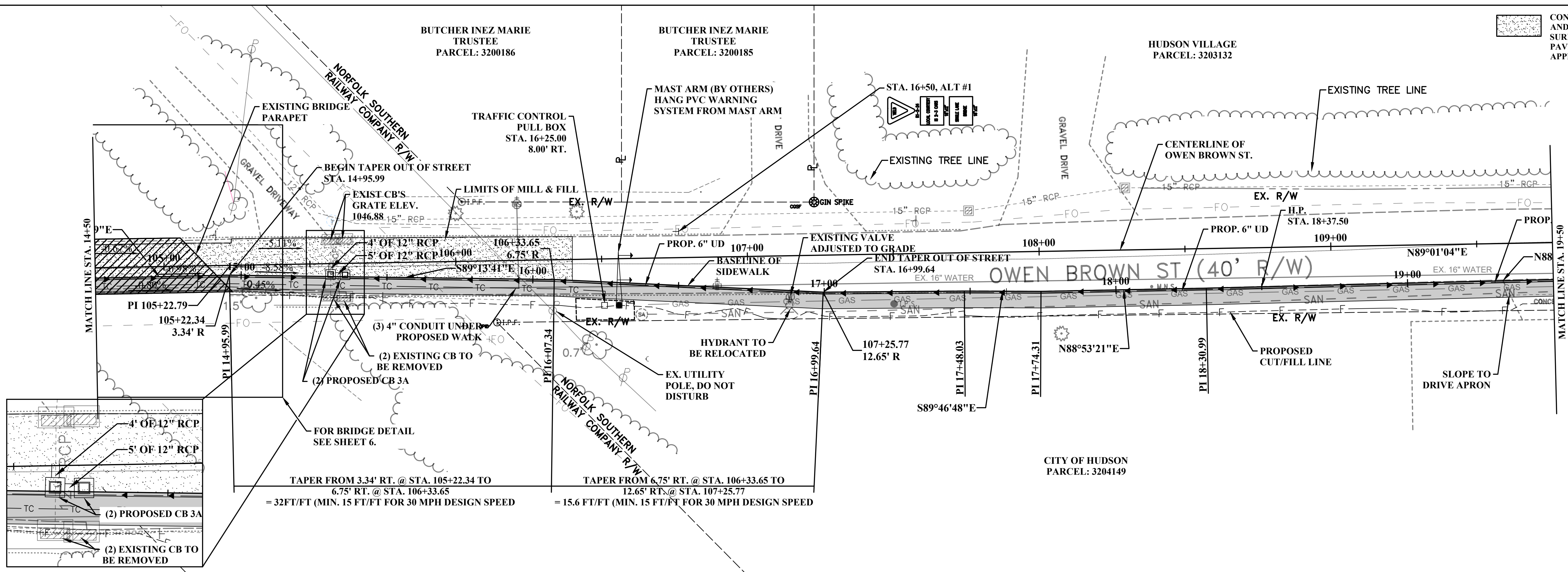
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PHASE No.	
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<b>080-10068</b>	

**OWEN BROWN PLAN & PROFILE**  
**OWEN BROWN ST. SIDEWALK**  
 HUDSON, OH  
 SEPTEMBER 27, 2021  
**FINAL PLANS**

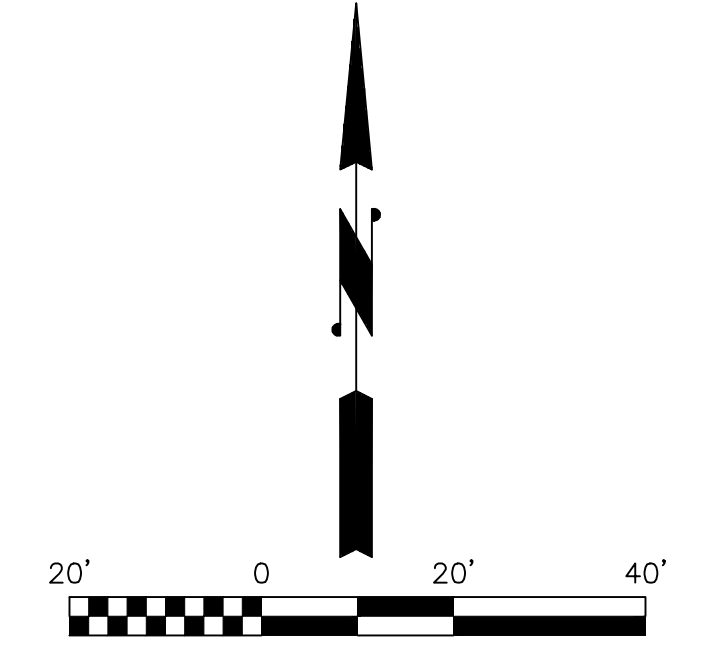
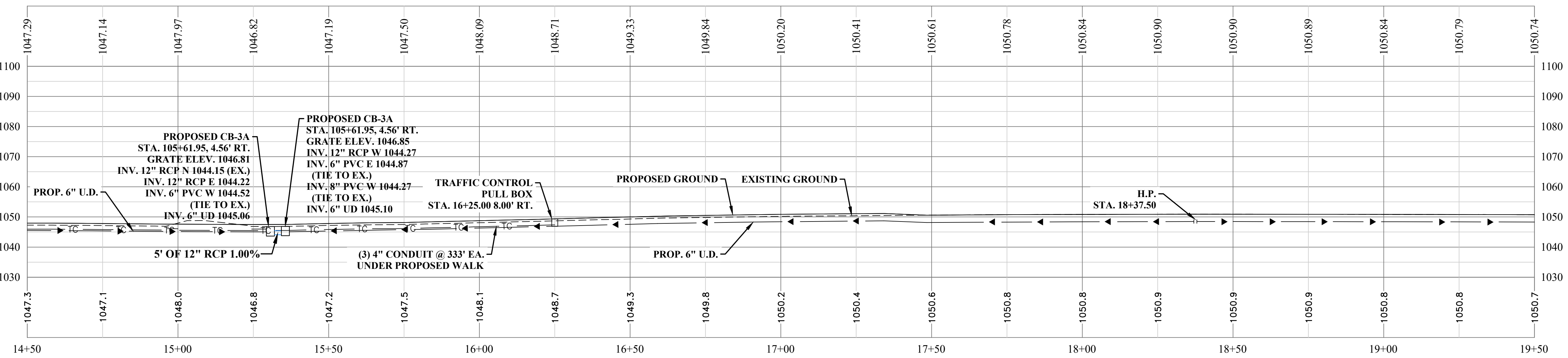
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CONTRACTOR SHALL MILL 2" OF EXISTING ASPHALT PAVEMENT AND REPLACE WITH ODOT ITEM 441 - 2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, MATCHING THE EXISTING PAVEMENT CROSS SLOPE, WITHIN THE LIMITS SHOWN ON THE PLANS APPROXIMATE LIMITS - STA. 103+60.00 TO STA. 106+40.00.



**STORM SEWER DETAIL**  
NOT TO SCALE

**BL SIDEWALK PROFILE**



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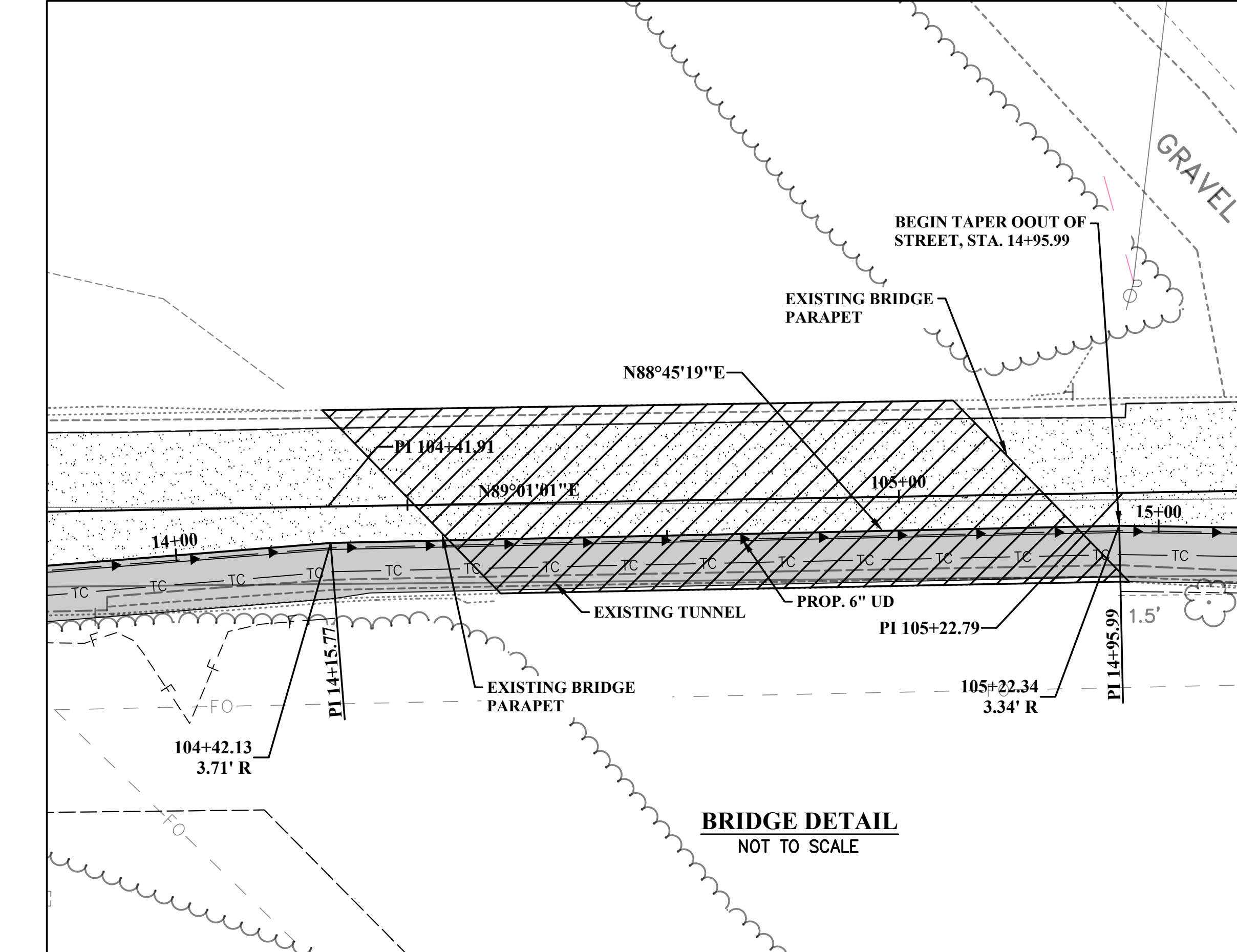
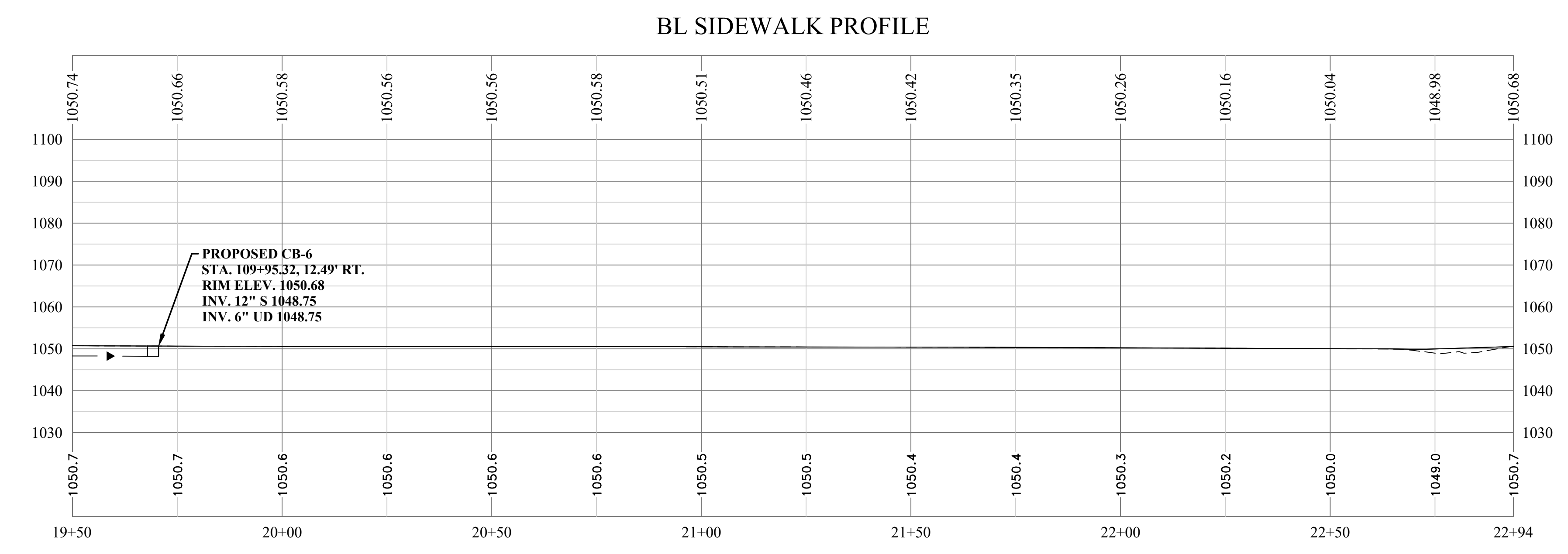
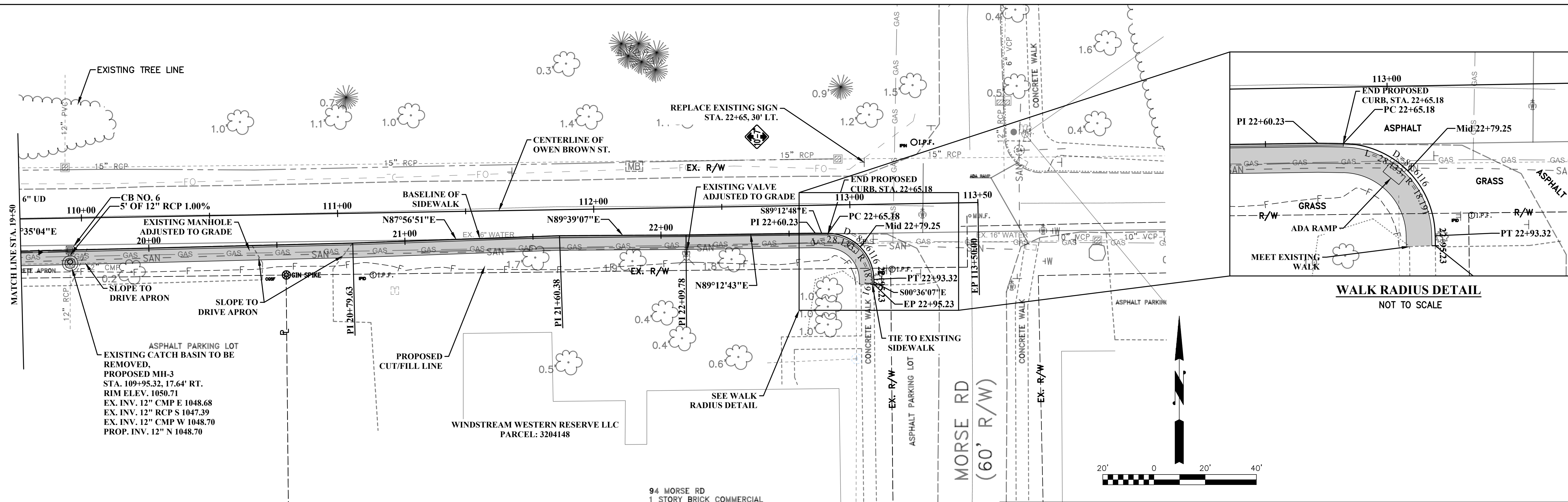
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**OWEN BROWN PLAN & PROFILE**  
**OWEN BROWN ST. SIDEWALK**  
 HUDSON, OH  
 SEPTEMBER 27, 2021  
**FINAL PLANS**

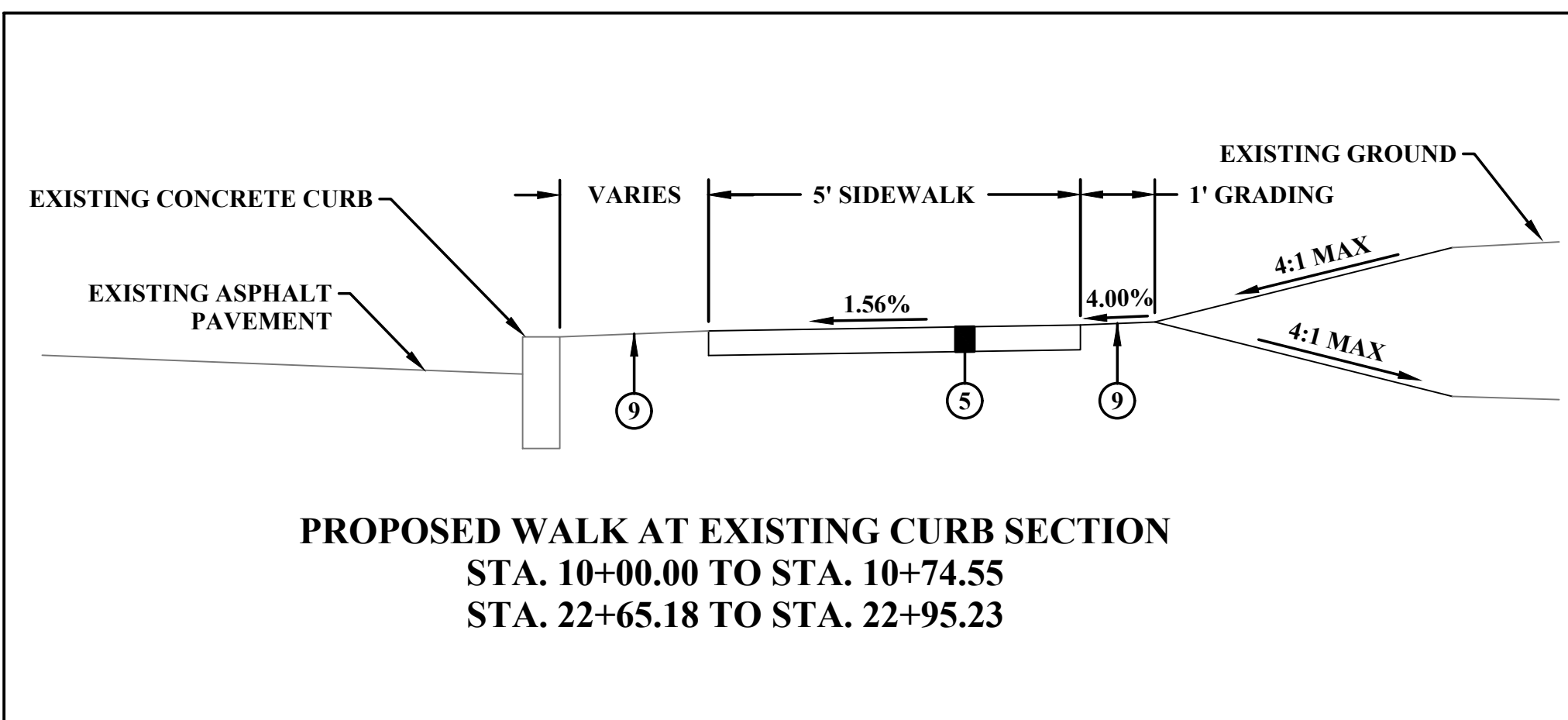
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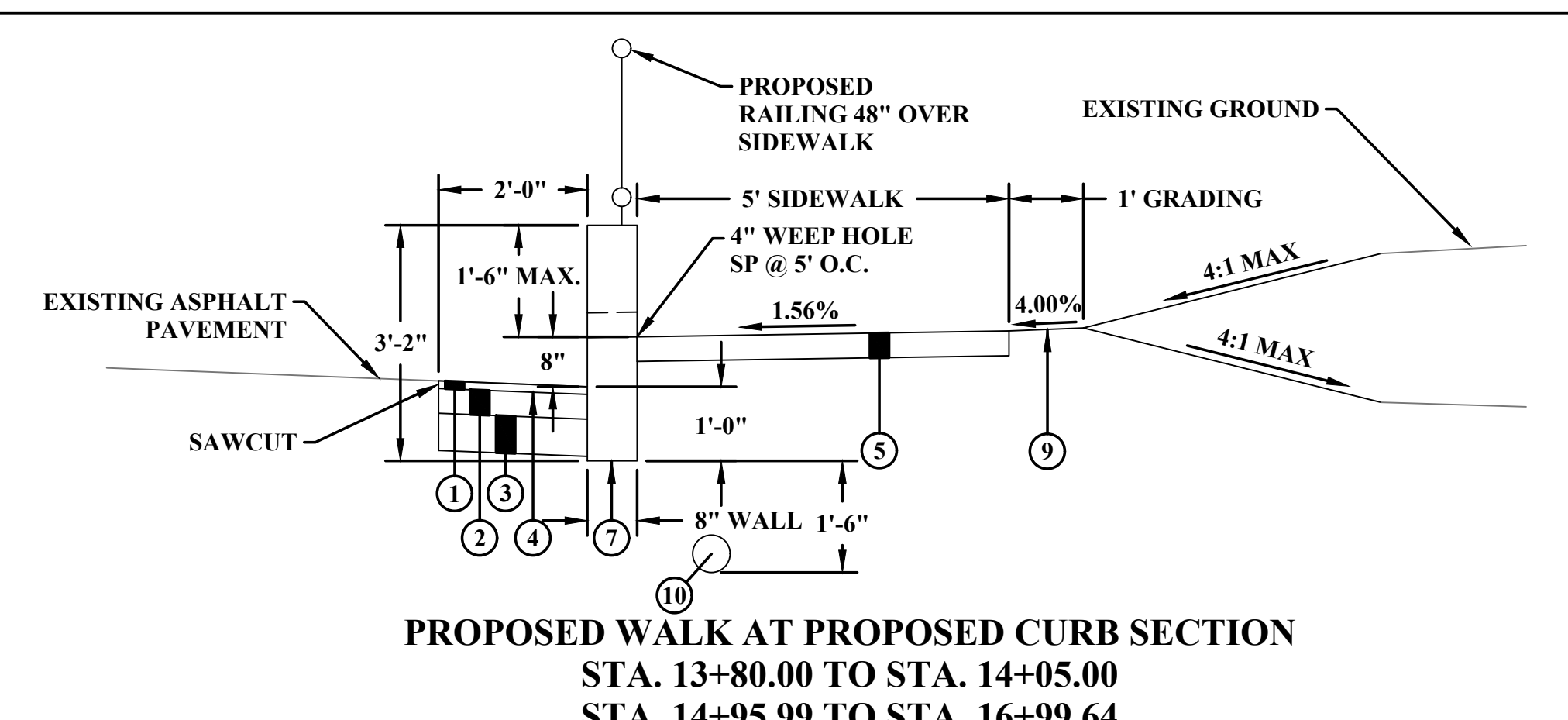


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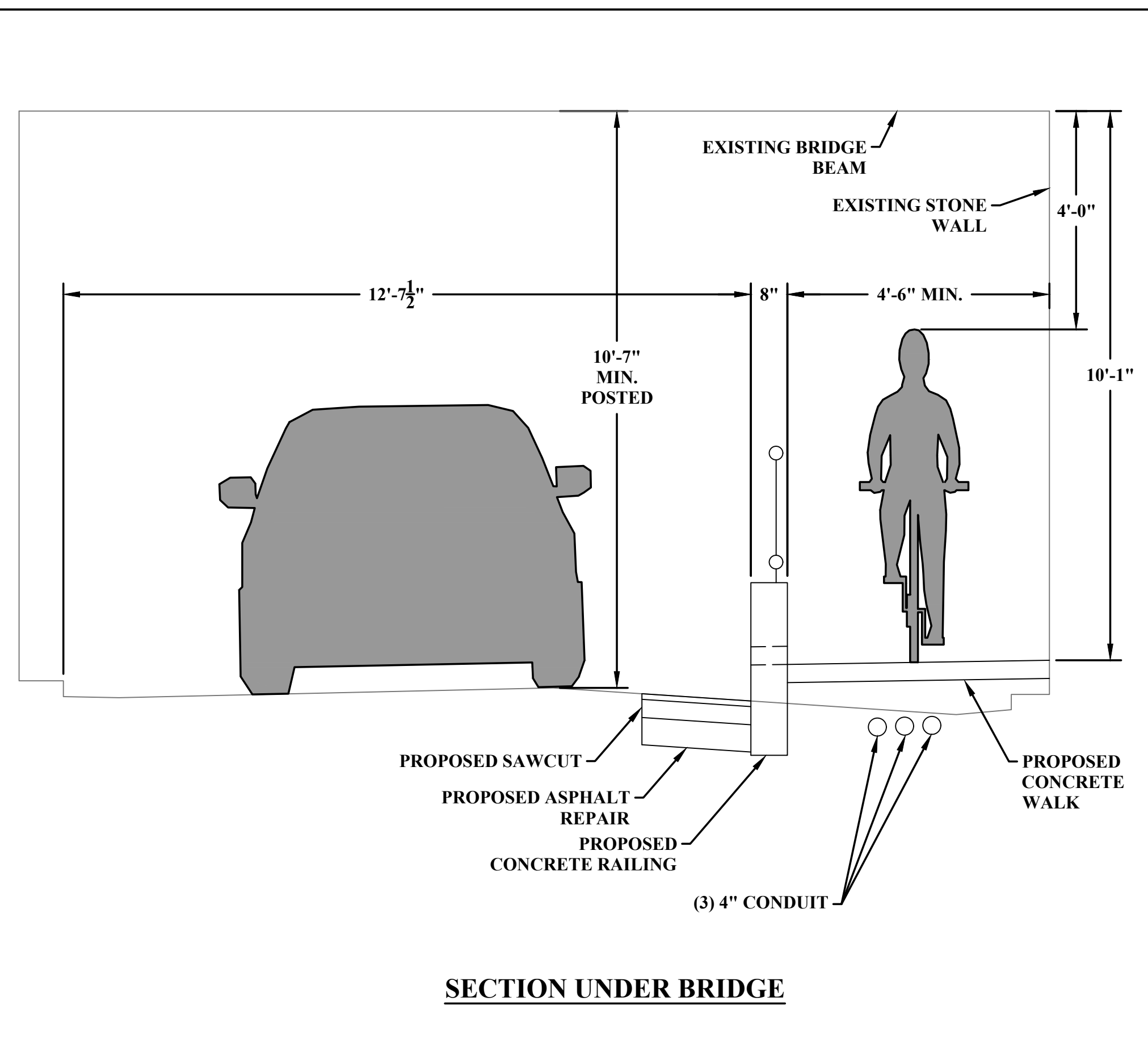
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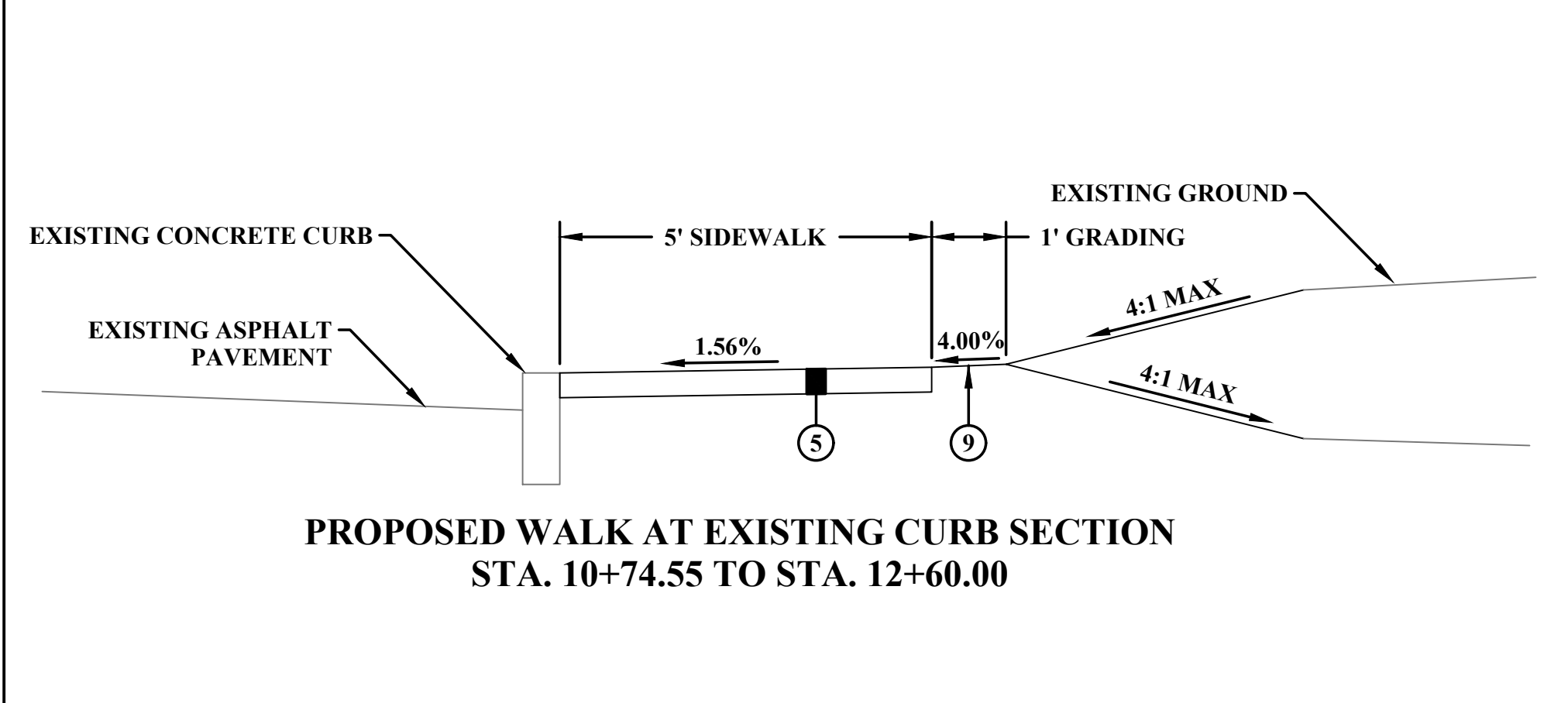
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 STA. 22+65.18 TO STA. 22+95.23



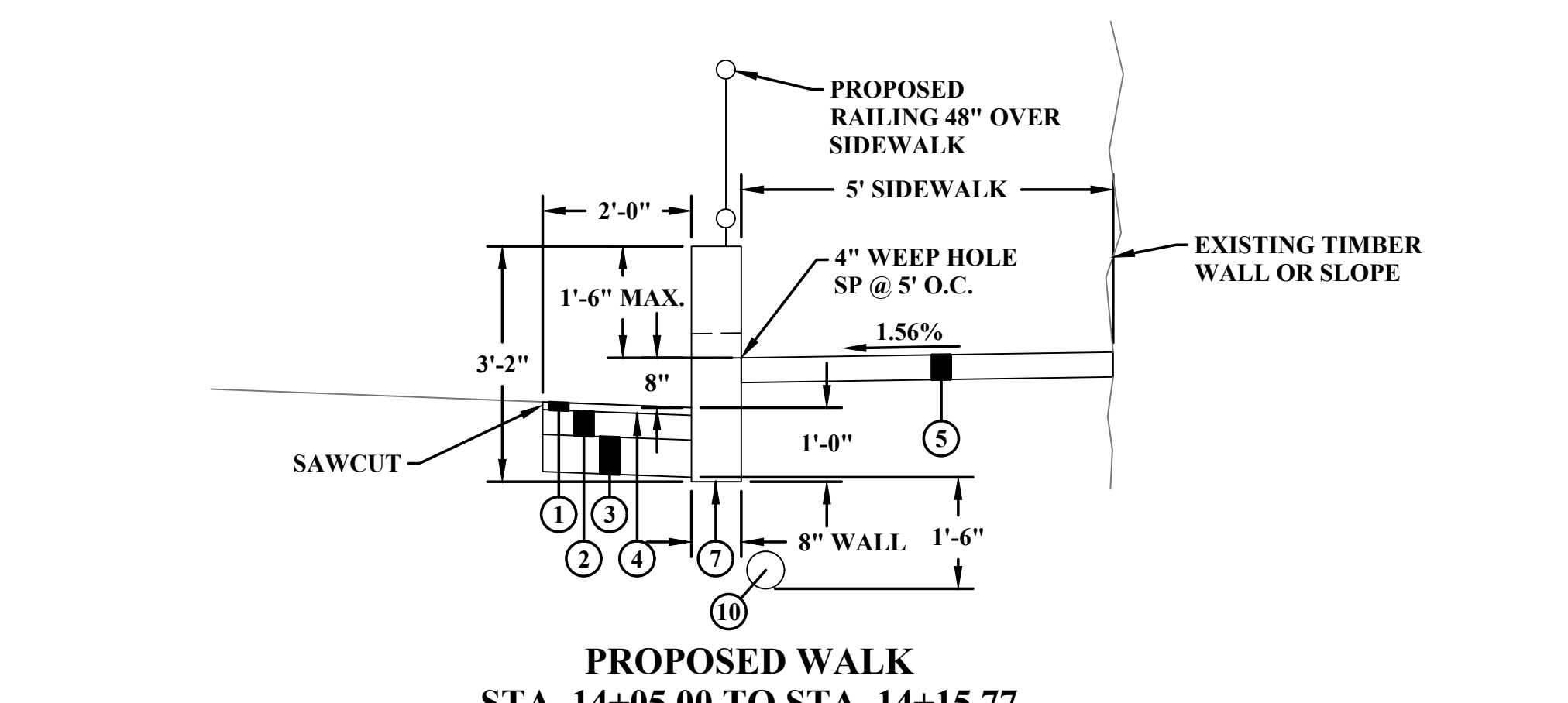
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 STA. 14+95.99 TO STA. 16+99.64



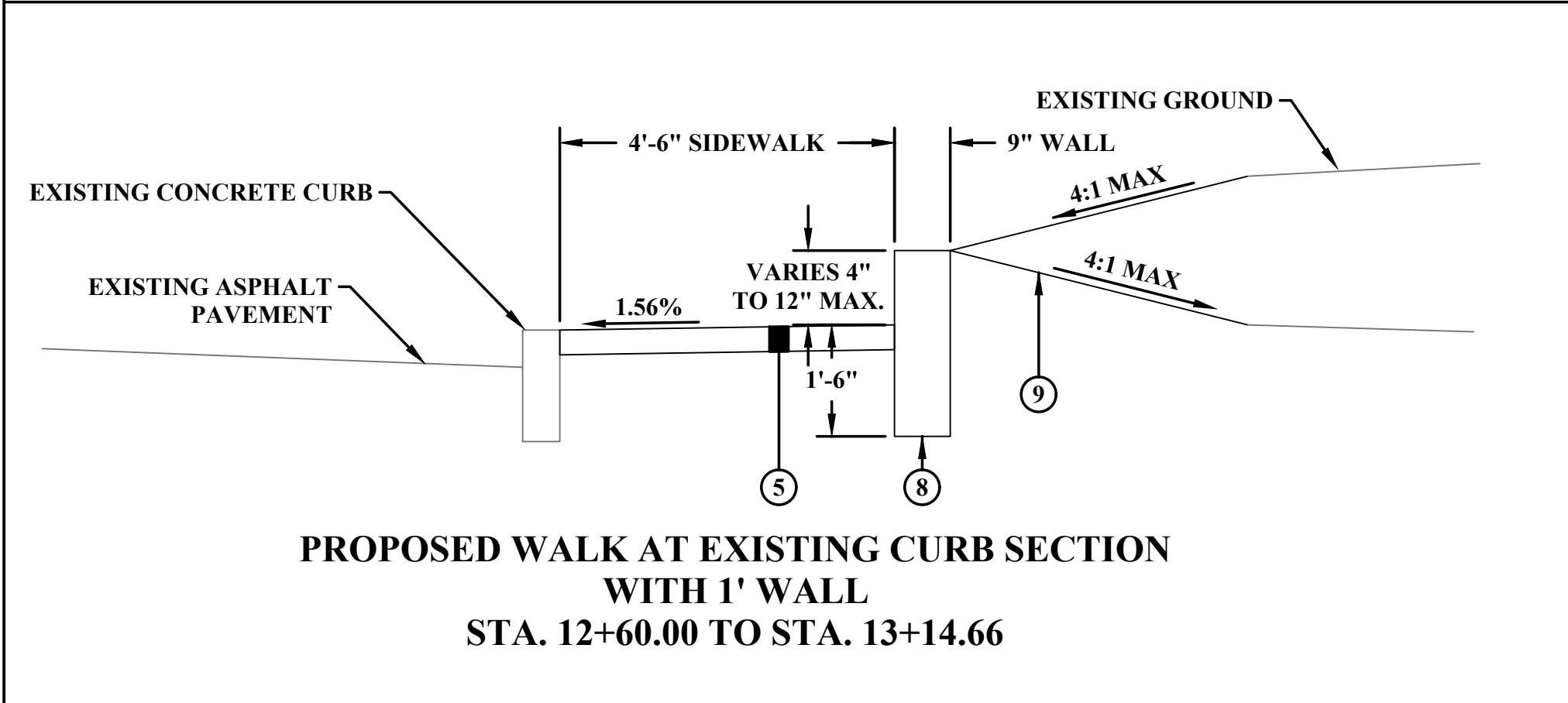
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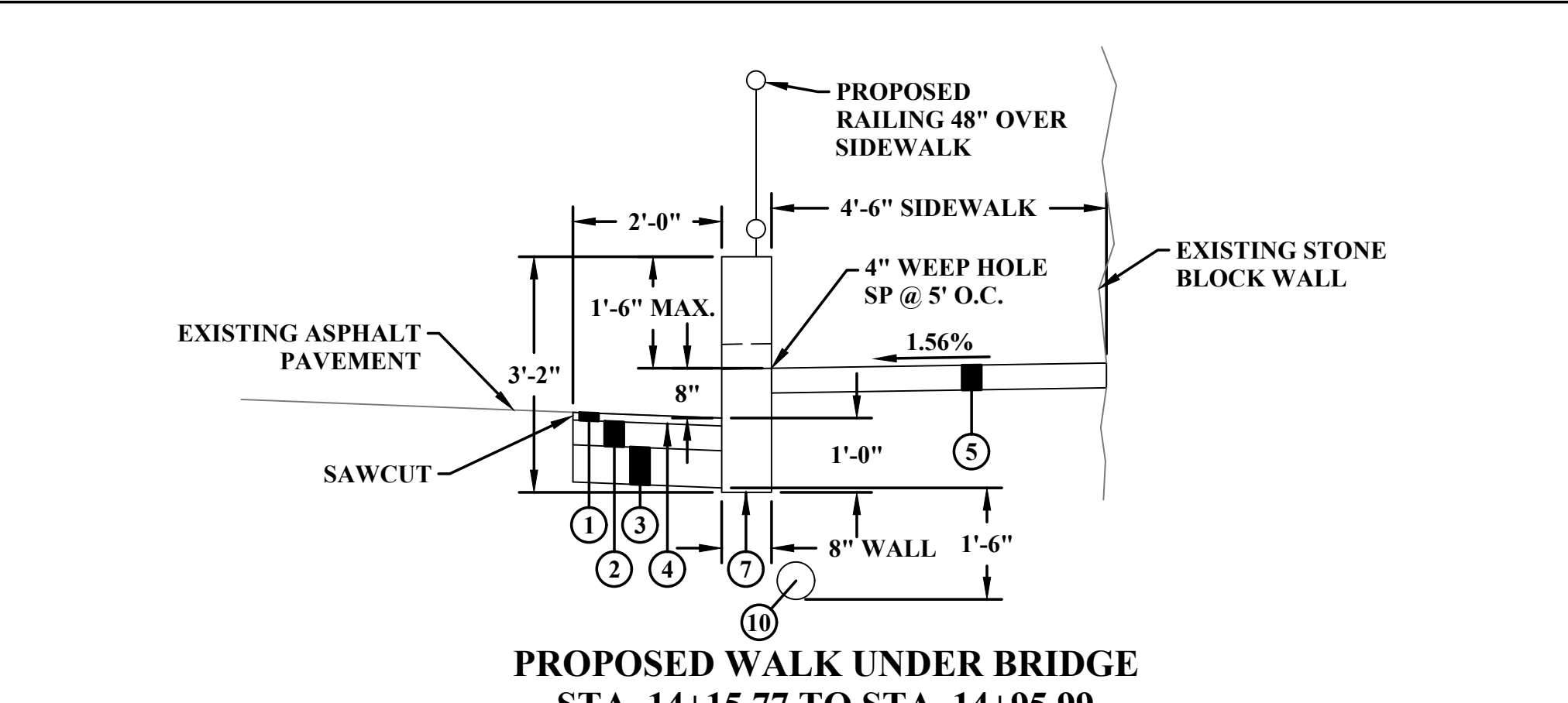
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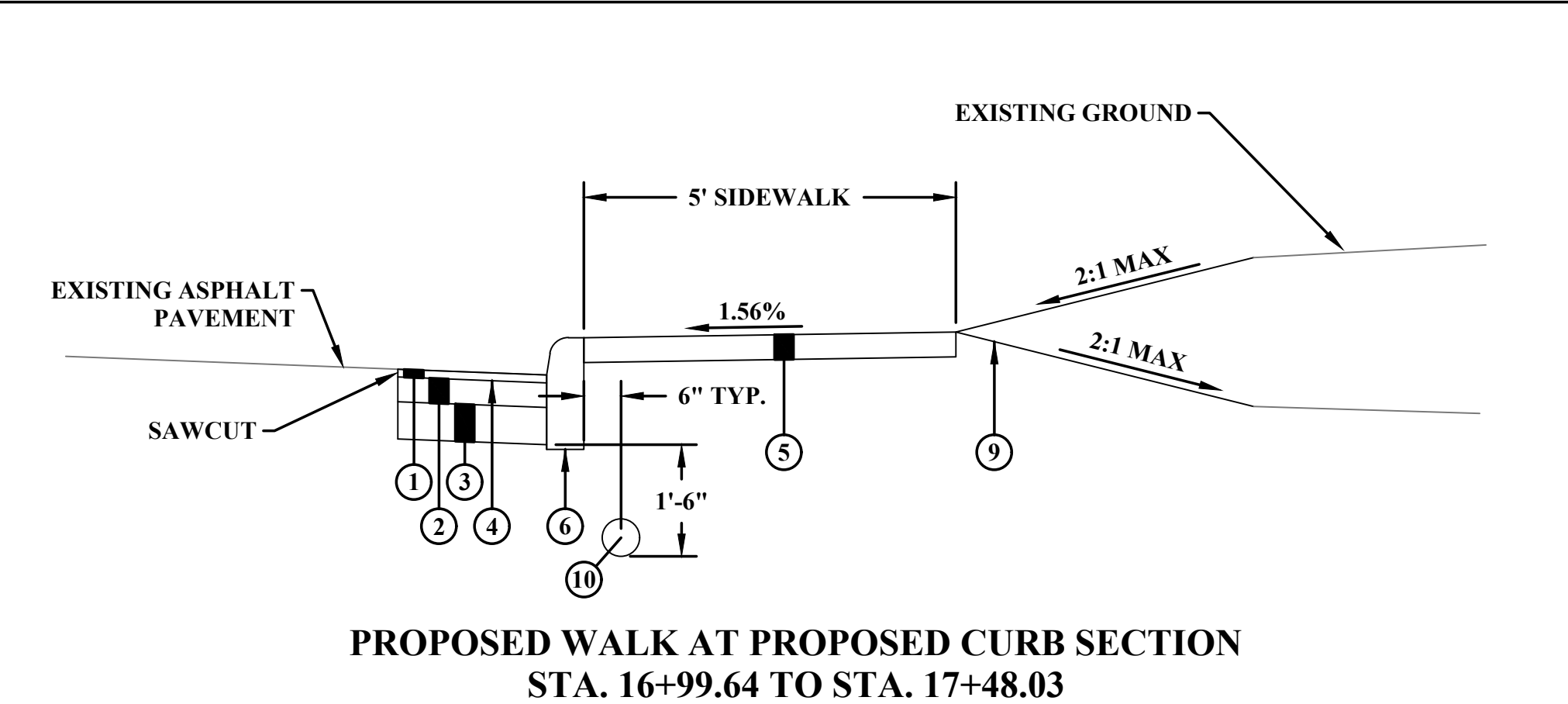
**PROPOSED WALK**  
 STA. 14+05.00 TO STA. 14+15.77



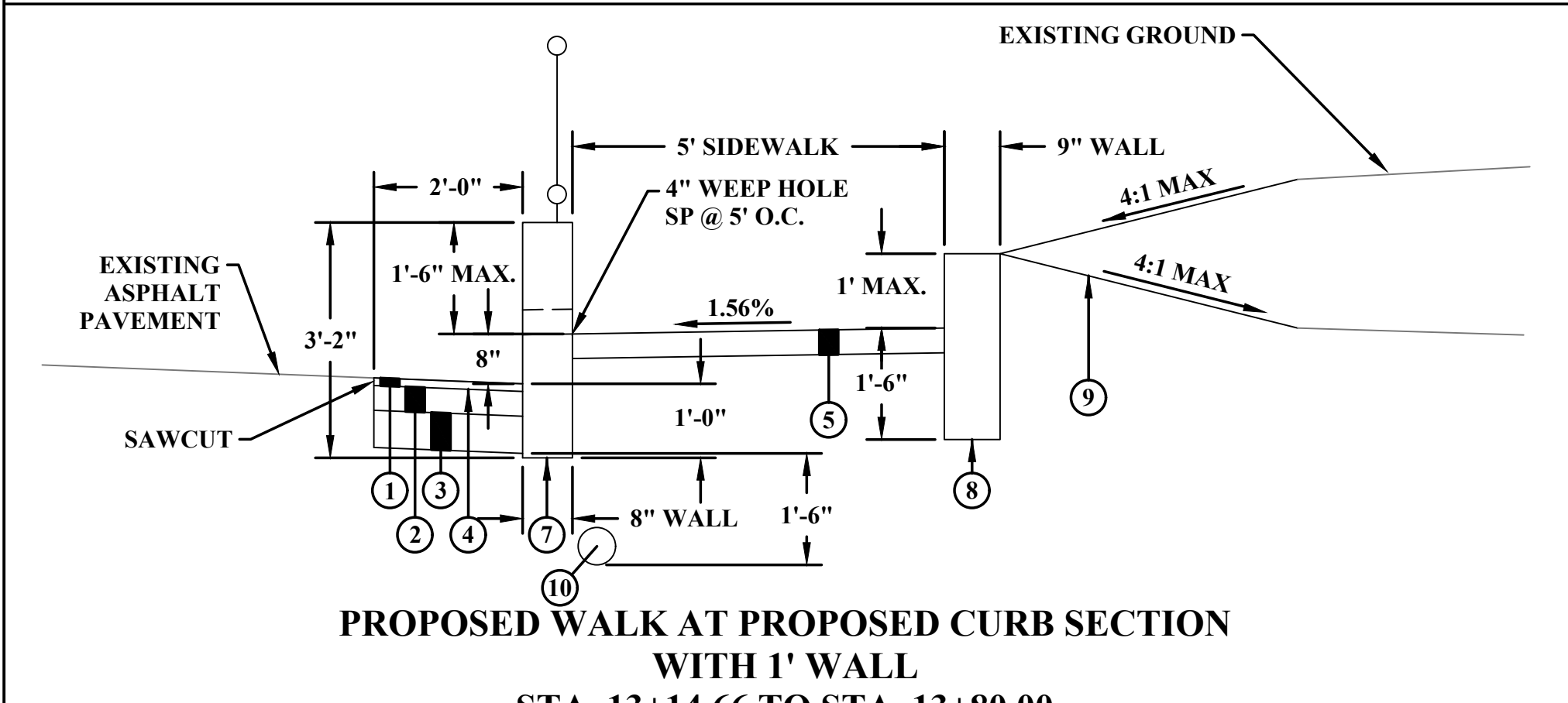
**PROPOSED WALK AT EXISTING CURB SECTION WITH 1' WALL**  
 STA. 12+60.00 TO STA. 13+14.66



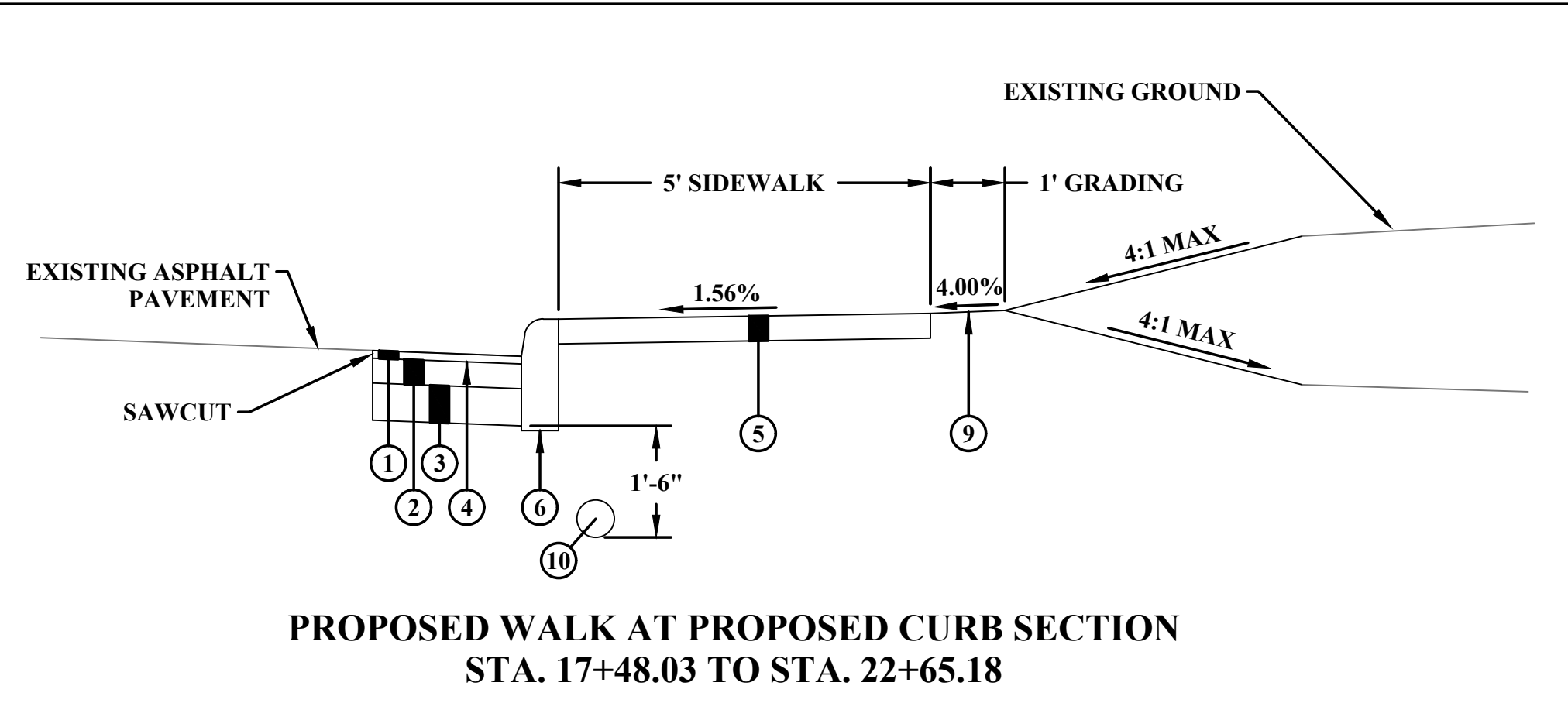
**PROPOSED WALK UNDER BRIDGE**  
 STA. 14+15.77 TO STA. 14+95.99



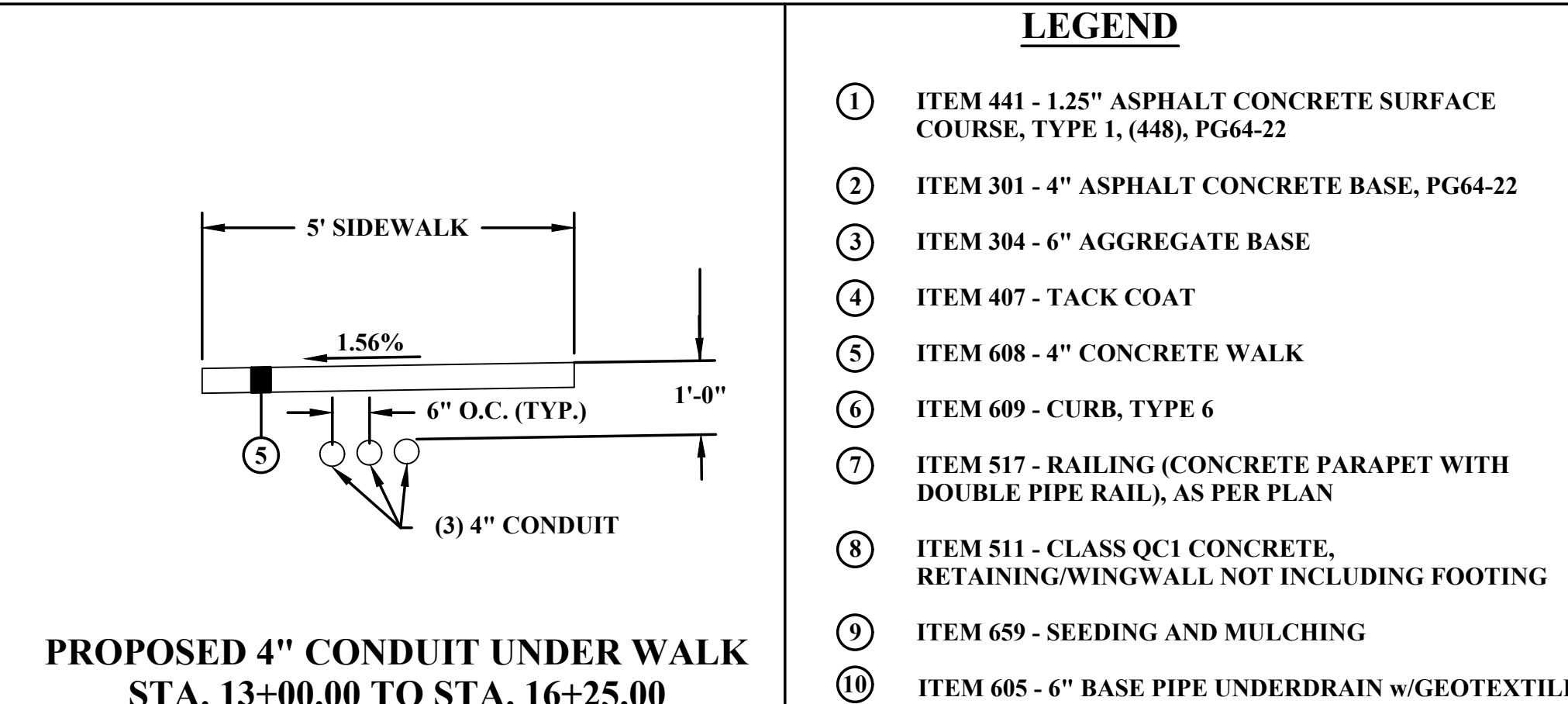
**PROPOSED WALK AT PROPOSED CURB SECTION**  
 STA. 16+99.64 TO STA. 17+48.03



**PROPOSED WALK AT PROPOSED CURB SECTION WITH 1' WALL**  
 STA. 13+14.66 TO STA. 13+80.00



**PROPOSED WALK AT PROPOSED CURB SECTION**  
 STA. 17+48.03 TO STA. 22+65.18



**PROPOSED 4" CONDUIT UNDER WALK**  
 STA. 13+00.00 TO STA. 16+25.00

**LEGEND**

- ① ITEM 441 - 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
- ② ITEM 301 - 4" ASPHALT CONCRETE BASE, PG64-22
- ③ ITEM 304 - 6" AGGREGATE BASE
- ④ ITEM 407 - TACK COAT
- ⑤ ITEM 608 - 4" CONCRETE WALK
- ⑥ ITEM 609 - CURB, TYPE 6
- ⑦ ITEM 517 - RAILING (CONCRETE PARAPET WITH DOUBLE PIPE RAIL), AS PER PLAN
- ⑧ ITEM 511 - CLASS QC1 CONCRETE, RETAINING/WINGWALL NOT INCLUDING FOOTING
- ⑨ ITEM 659 - SEEDING AND MULCHING
- ⑩ ITEM 605 - 6" BASE PIPE UNDERDRAIN w/GEOTEXTILE FABRIC

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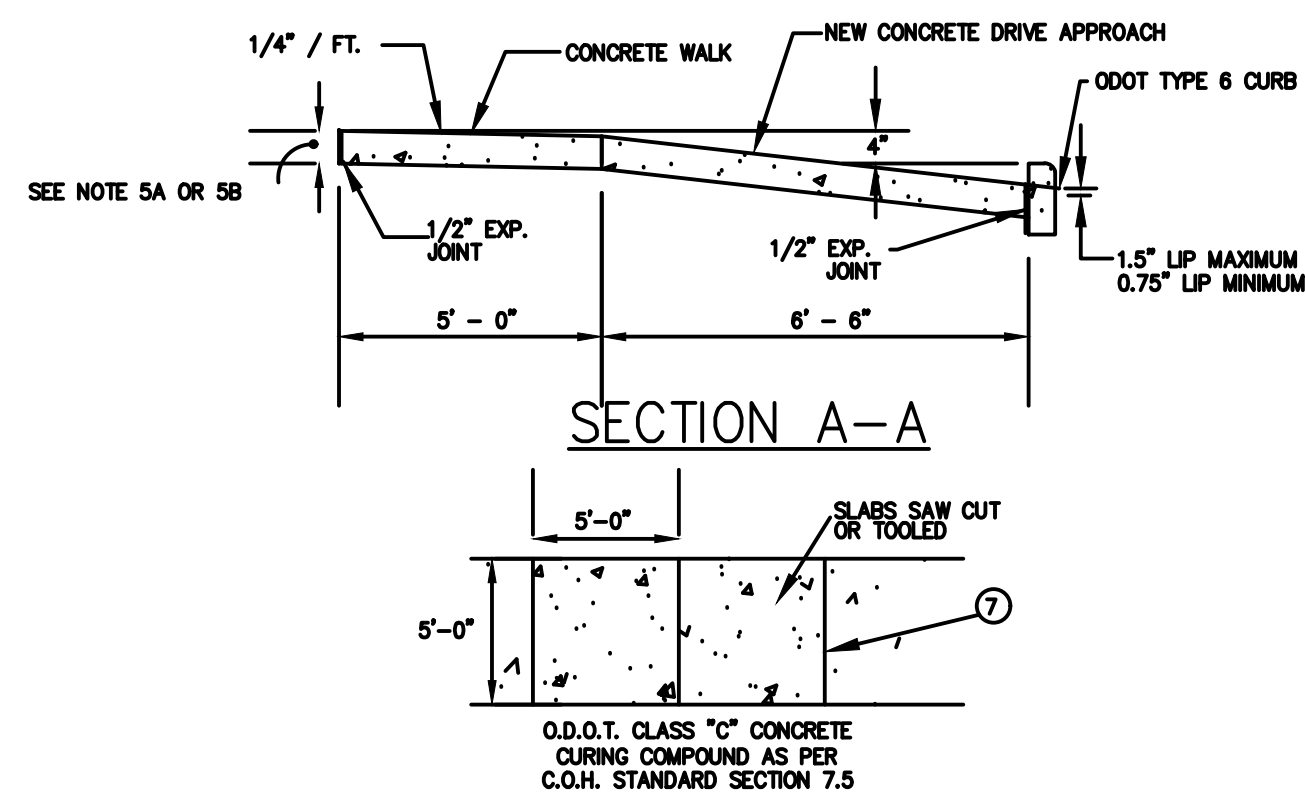
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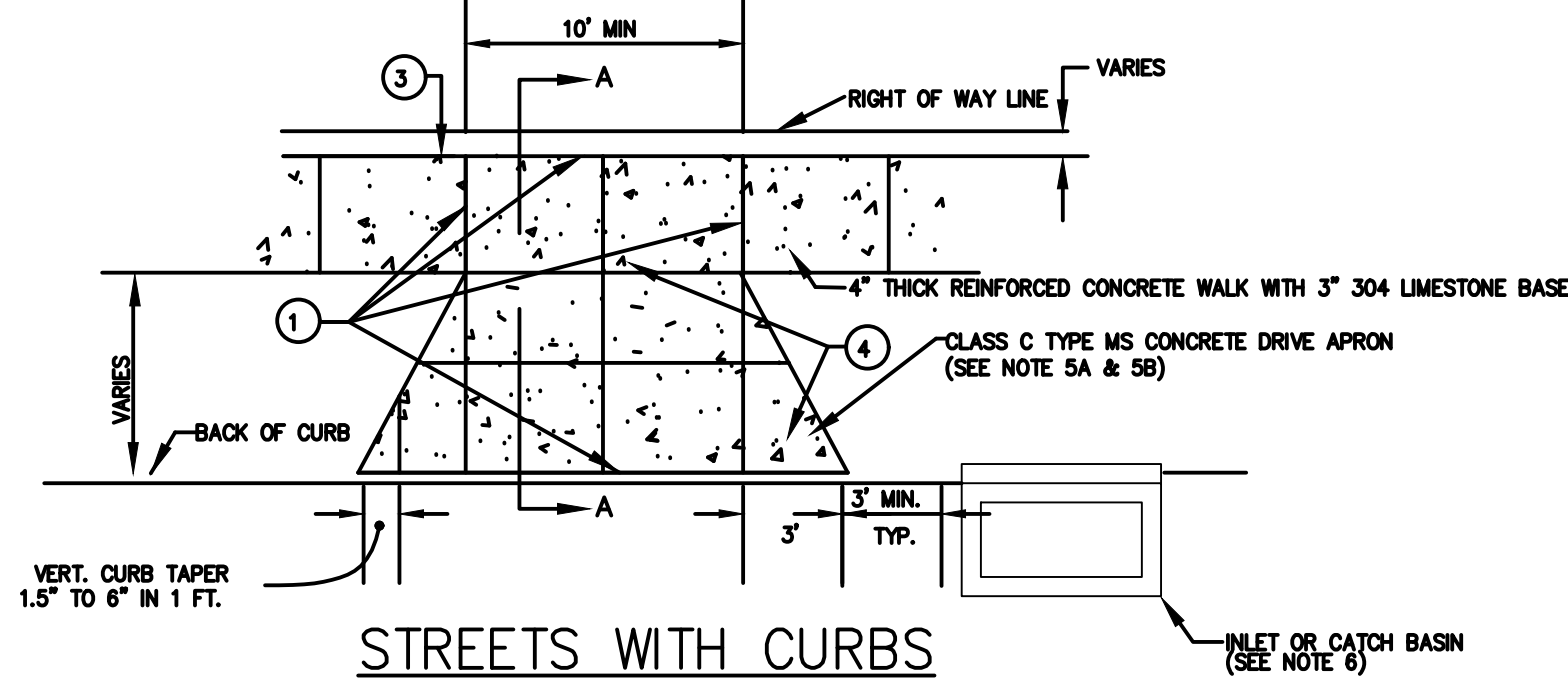
**TYPICAL SECTIONS**  
 OWEN BROWN ST. SIDEWALK  
 HUDSON, OH  
 SEPTEMBER 27, 2021  
 FINAL PLANS



USER: john m. coy  
 LAYOUT: 08-DETAILS  
 PLOT DATE/TIME: 3/16/2022 11:17 AM  
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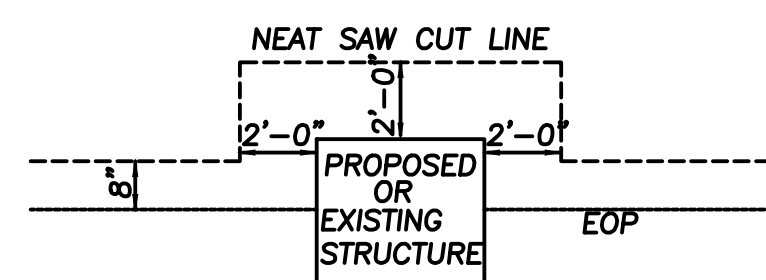
**STANDARD SIDEWALK SECTION (IF APPLICABLE)**



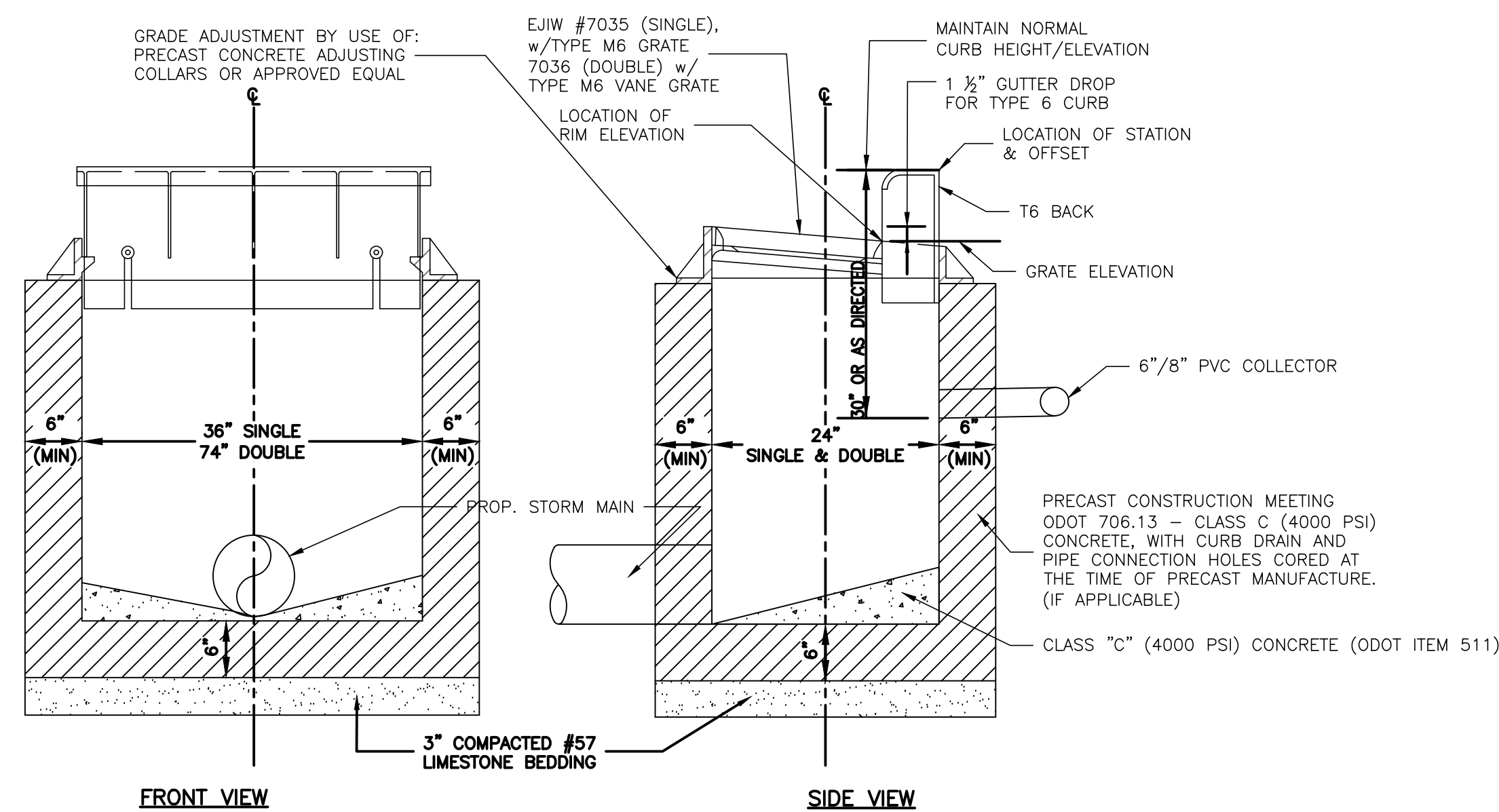
**STREETS WITH CURBS**

- 1 1/2" EXPANSION JOINT BLACK RECYCLED RUBBER
- 2 HEIGHT OF BACK EDGE OF WALK TO BE DETERMINED BY ENGINEERING DEPARTMENT.
- 3 BACK EDGE OF WALK, 4" ABOVE TOP OF CURB FOR NEW INSTALLATIONS.
- 4 SIDEWALK AND/OR APPROACH TO BE HARD TROWLED SMOOTH SURFACE, THEN BROOMED TO PRODUCE AN ABRASIVE FINISH. (DYE AS DIRECTED BY ENGINEERING DEPARTMENT)
- 5A ALL COMMERCIAL, INDUSTRIAL, AND MULTIFAMILY DRIVEWAY APPROACH AND SIDEWALK INSTALLATIONS SHALL BE 8" MINIMUM THICKNESS. FIELD VERIFY LAYOUT WITH CITY.
- 5B ALL RESIDENTIAL DRIVEWAY APPROACH AND SIDEWALK INSTALLATIONS SHALL BE 6" MINIMUM TYPE MS CONCRETE OR 4" ODOT 301 AND 2" ODOT 411 ASPHALT SURFACE COURSE.
- 6 EDGE OF NEW DRIVEWAY APPROACH SHALL BE MINIMUM 4" TO ANY HYDRANTS OR STREET LIGHT AND MINIMUM 3' AWAY FROM ANY INLETS OR CATCH BASINS UNLESS OTHERWISE APPROVED BY ENGINEERING DEPARTMENT.
- 7 EXPANSION JOINT TO BE PLACED EVERY 25'.

**DRIVEWAY APPROACH AND SIDEWALK INSTALLATION**  
NOT TO SCALE



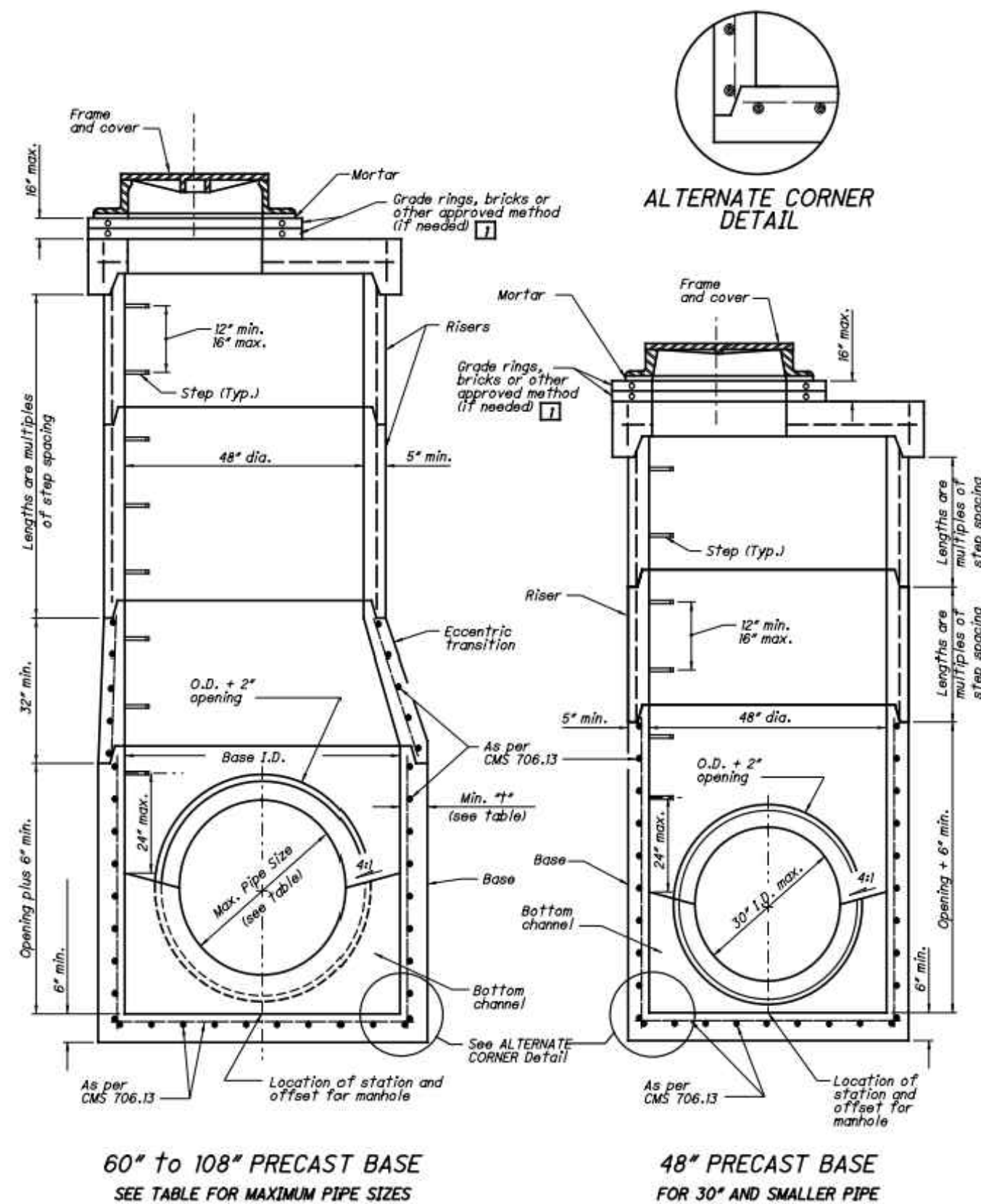
**SAW CUT DETAILS AROUND STRUCTURES**  
NOT TO SCALE



- NOTES**
1. THE CURB INLET INSTALLATION INCLUDES 4 FEET OF CURB AND GUTTER REMOVAL AND REPLACEMENT, BOTH SIDES OF THE INLET, OR AS DIRECTED BY THE CITY.
  2. THE CURB INLET INSTALLATION ALSO INCLUDES 100# LSM BACKFILL AROUND THE PERIMETER OF THE INLET, A MINIMUM OF 12" THICK AND ALL ASPHALT PAVEMENT REPLACEMENT AS SHOWN ON THE DETAILS.
  3. THE ANNULAR SPACE ON THE #7036 WITH T6 BACK SHALL BE FILLED WITH NON-SHRINK GROUT.
  4. FOR ADDITIONAL INFORMATION, DETAILS AND NOTES, SEE THE CITY OF HUDSON ENGINEERING STANDARDS.
  5. RIM ELEVATION IS TOP OF CURB MINUS 8" TO ALLOW FOR 2" DEPRESSION IN GUTTER (6" CURB + 2" DEPRESSION = 8").

**HUDSON CURB INLET, TYPE 3A DETAIL**

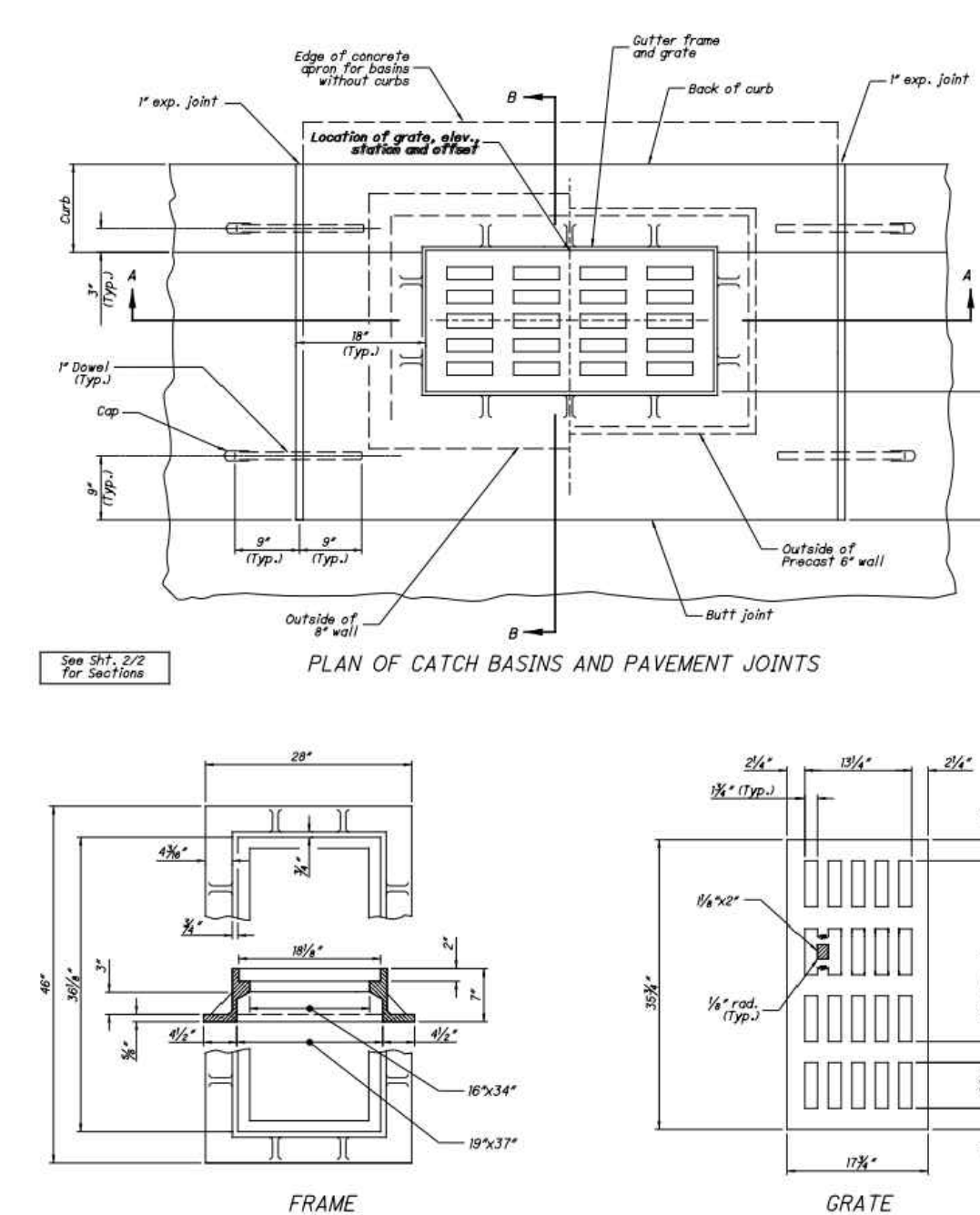
NOT TO SCALE



**SECTION VIEWS OF REINFORCED PRECAST MANHOLES**

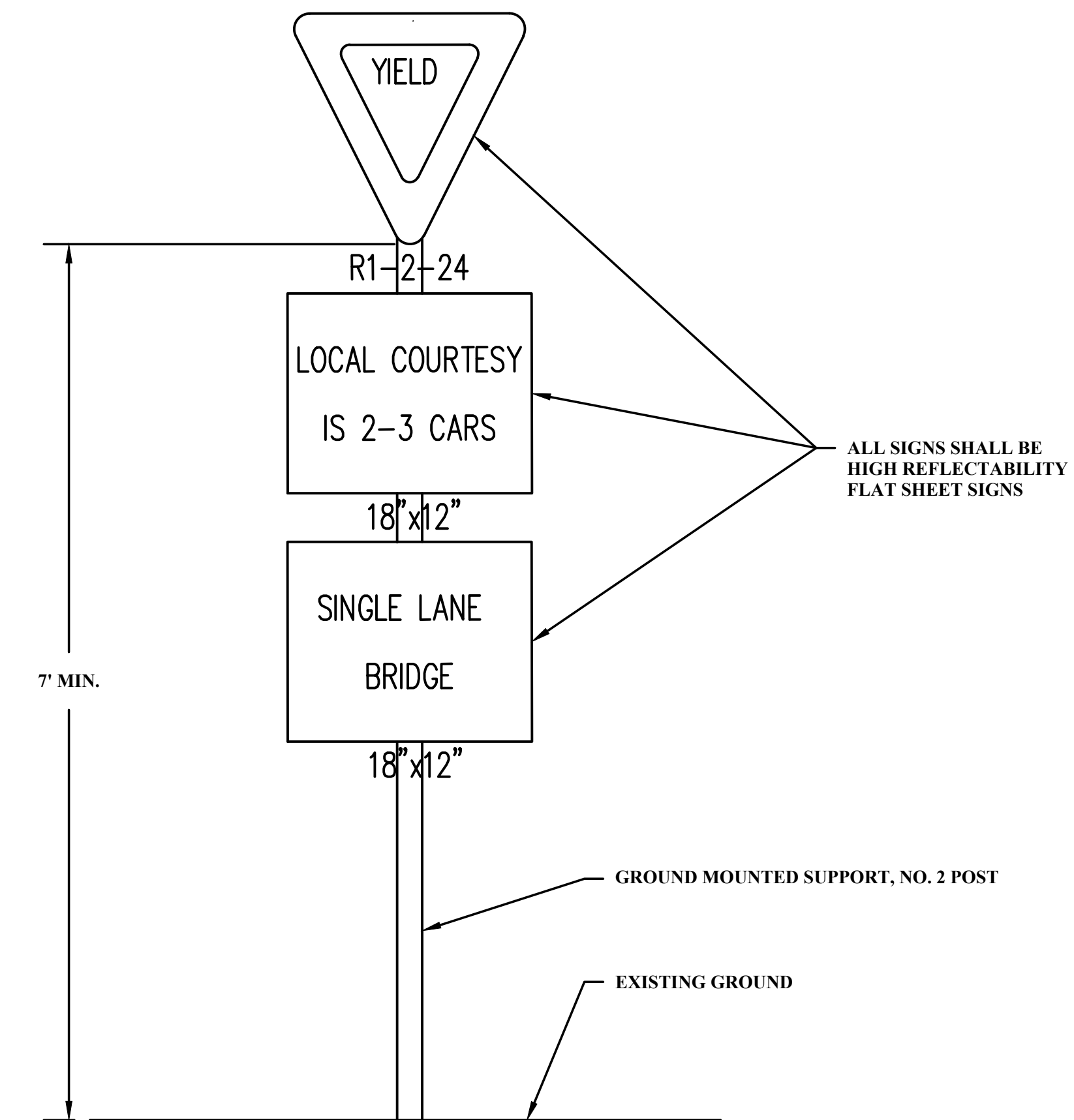
**HUDSON MANHOLE DETAIL**

NOT TO SCALE



**HUDSON CURB INLET, TYPE 6 DETAIL**

NOT TO SCALE



**TRAFFIC CONTROL DEVICES, ALT #1**

NOT TO SCALE

**NOTES**

- GENERAL:** With normal soil and site conditions, this standard precast manhole may be used for any required manhole depth. Cast and assemble sections of the precast manhole with either oil tongue or oil groove ends up. Lift holes may be provided in each section for handling.
- Leave handling device for the flat slab in place.
- TOP:** Provide a flat slab for this section unless an eccentric one is specified.
- TRANSITION OR REDUCER:** This section can be either eccentric one or flat slab.
- BASE:** Manhole No. 3 is shown with a monolithic floor and riser which may be cast in one or two operations. A permissible alternate is to cast and slip the floor and base separately. Provide openings for inlet and outlet pipes, either when the unit is cast or later, to meet project requirements. Bottom channels may be formed of concrete or metal. The base or field constructed as shown.
- RISER SECTIONS:** Openings for 18" and smaller inlet pipes may be either prefabricated or cut in the field provided the sides of the pipe at the springline do not project into the manhole.
- CONNECTIONS:** Connections between precast manhole sections and pipes on sanitary sewers may be sealed with resilient connectors conforming to ASTM D 323.
- JOINT SEAL:** Furnish resilient seal between precast manhole sections on sanitary sewers and flexible gasket joints per CMS 706.11.
- OPENINGS:** Ensure pipe openings are the O.D. of the pipe being supplied plus 2" when fabricated or field cut. Fill any voids per CMS 611.
- MATERIALS:** Provide materials for bases and other precast sections, including reinforcement NOT specified here, that meet the requirements of CMS 706.13.
- DROP PIPE:** When specified on the plans, construct drop pipe as shown on SCD M1-2.
- STEPS, FRAMES AND COVERS:** Meet the requirements shown on SCD M1-2.
- TOP SLAB REBAR:** Use epoxy coated reinforcing steel within the top slab.

**LEGEND**

- Reconstruction to grade only. Approved materials are kept on file by the Office of Materials Management.

MAXIMUM PIPE SIZES		
BASE I.D.	MIN. #"	MAX. PIPE SIZE
60"	5"	36"
72"	6"	48"
84"	7"	54"
90"	7 1/2"	60"
96"	8"	66"
108"	9"	72"

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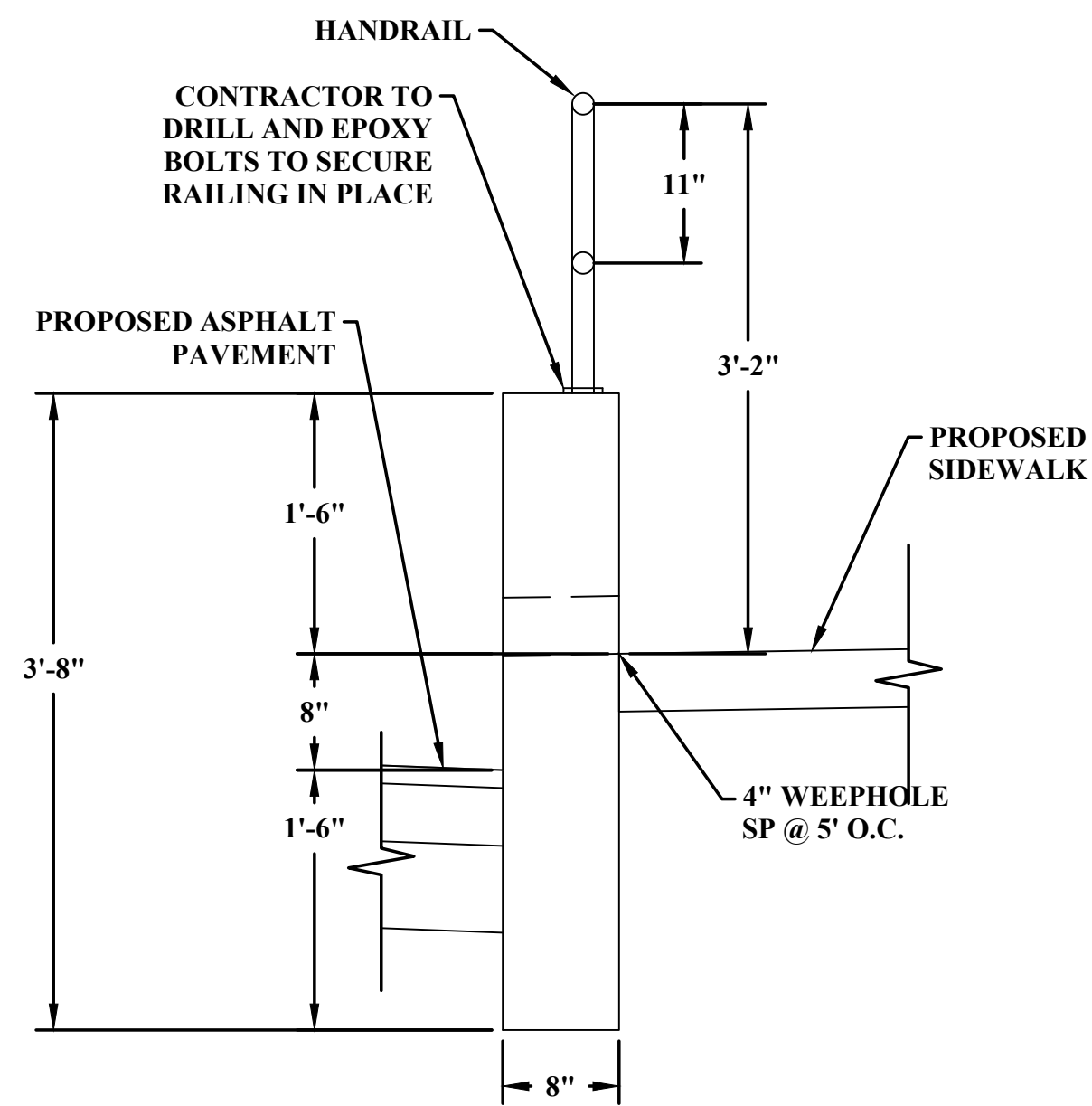
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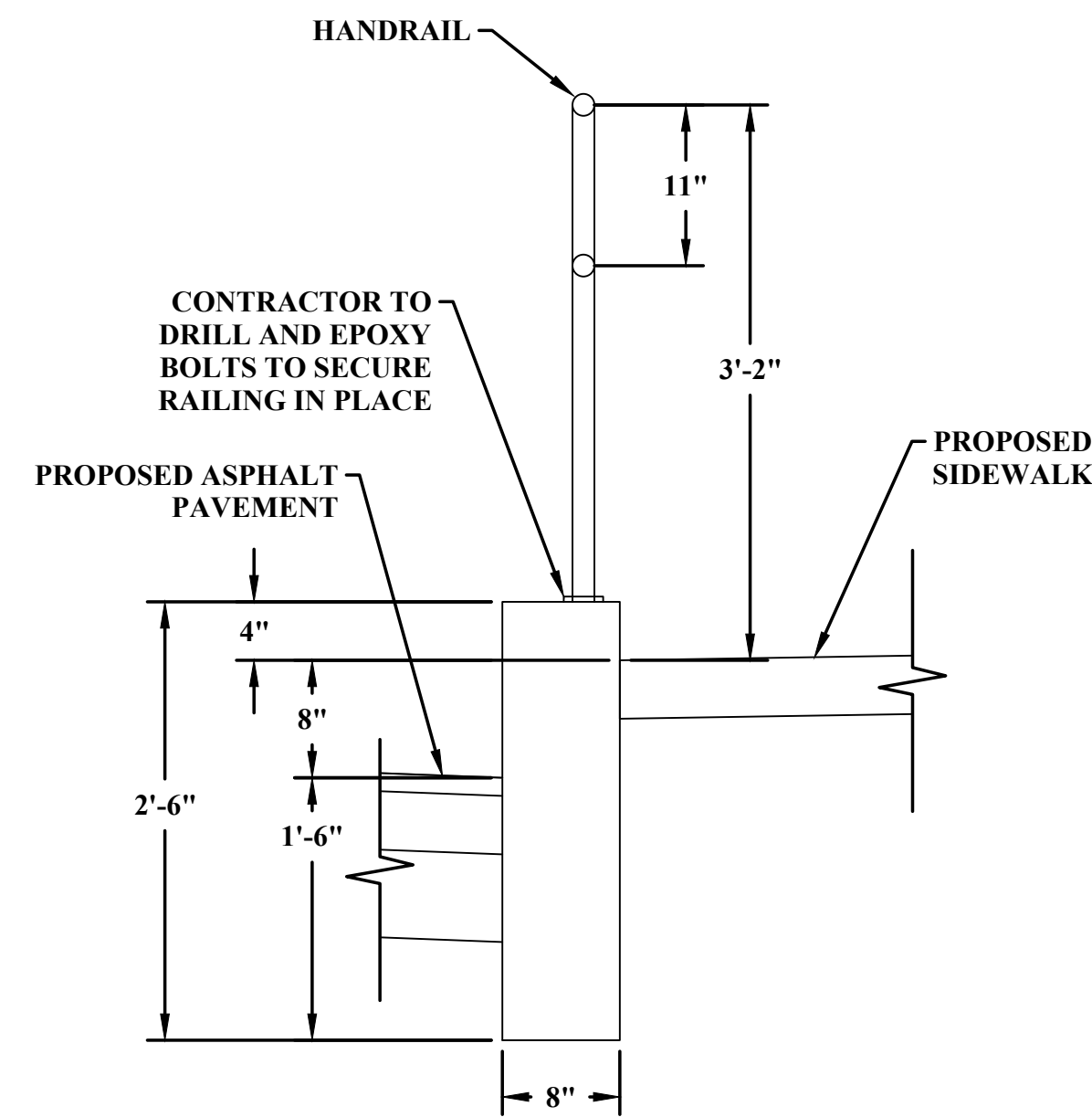
DETAILS  
 OWEN BROWN ST. SIDEWALK  
 HUDSON, OH  
 SEPTEMBER 27, 2021  
 FINAL PLANS

SHEET No.  
**8**

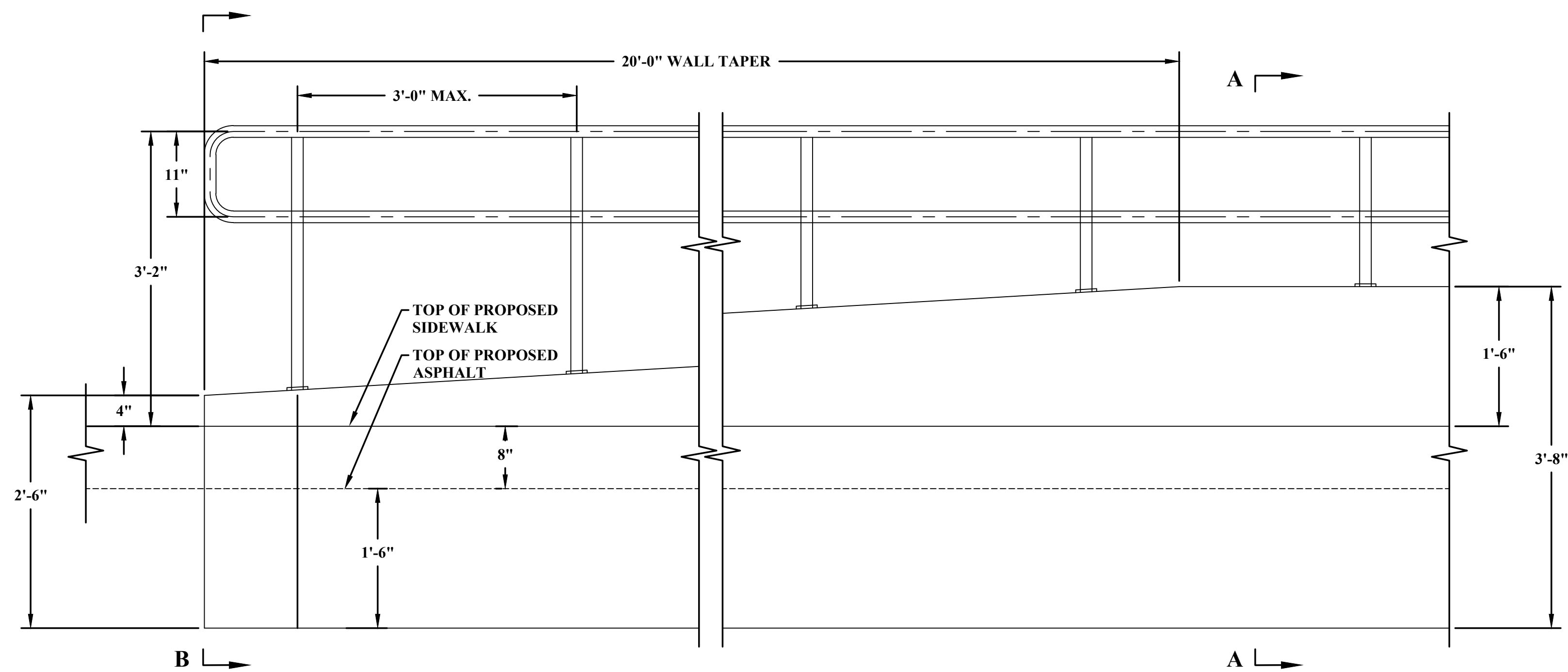
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 LAYOUT: 09-DETAILS  
 USER: jphn m. coy



**SECTION A-A**



**SECTION B-B**



**ELEVATION**

**ITEM 517 - RAILING (CONCRETE PARAPET WITH DOUBLE PIPE RAIL), AS PER PLAN**

**NOTES:**

- FABRICATE HAND RAILING AND POSTS FROM NOMINAL SIZE 1 1/2" DIAMETER, 0.145" WALL THICKNESS STEEL PIPE MEETING THE REQUIREMENTS OF THE SPECIFICATION FOR WELDED AND SEAMLESS STEEL PIPE ASTM A 53, STANDARD WEIGHT, SCHEDULE NUMBER 40, OR ALUMINUM PIPE MEETING THE REQUIREMENTS OF THE SPECIFICATION FOR ALUMINUM-ALLOY PIPE ASTM B 241, 6063 T6 ASA, SCHEDULE NUMBER 40. SEE ODOT STANDARD DRAWING RM-2.1 FOR ADDITIONAL HANDRAIL INFORMATION.
- CONCRETE COMPRESSIVE STRENGTH = 4.5 KSI  
REINFORCING STEEL MINIMUM YIELD STRENGTH = 60 KSI  
SEE ODOT STANDARD DRAWING BR-2-15 FOR ADDITIONAL CONCRETE INFORMATION.

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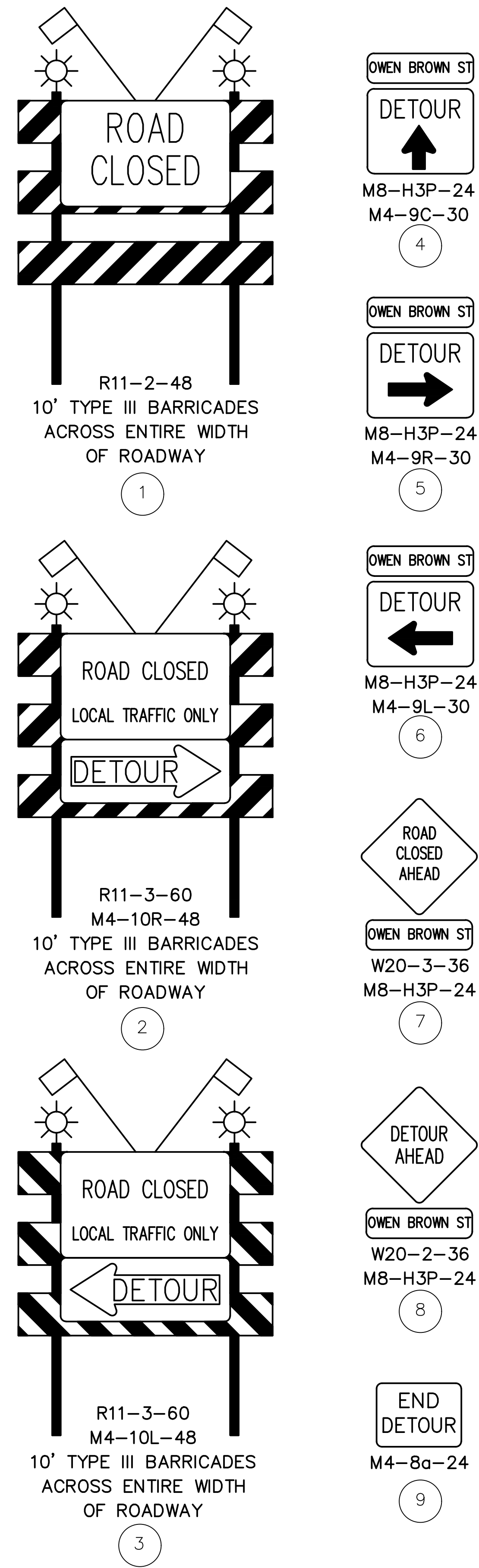
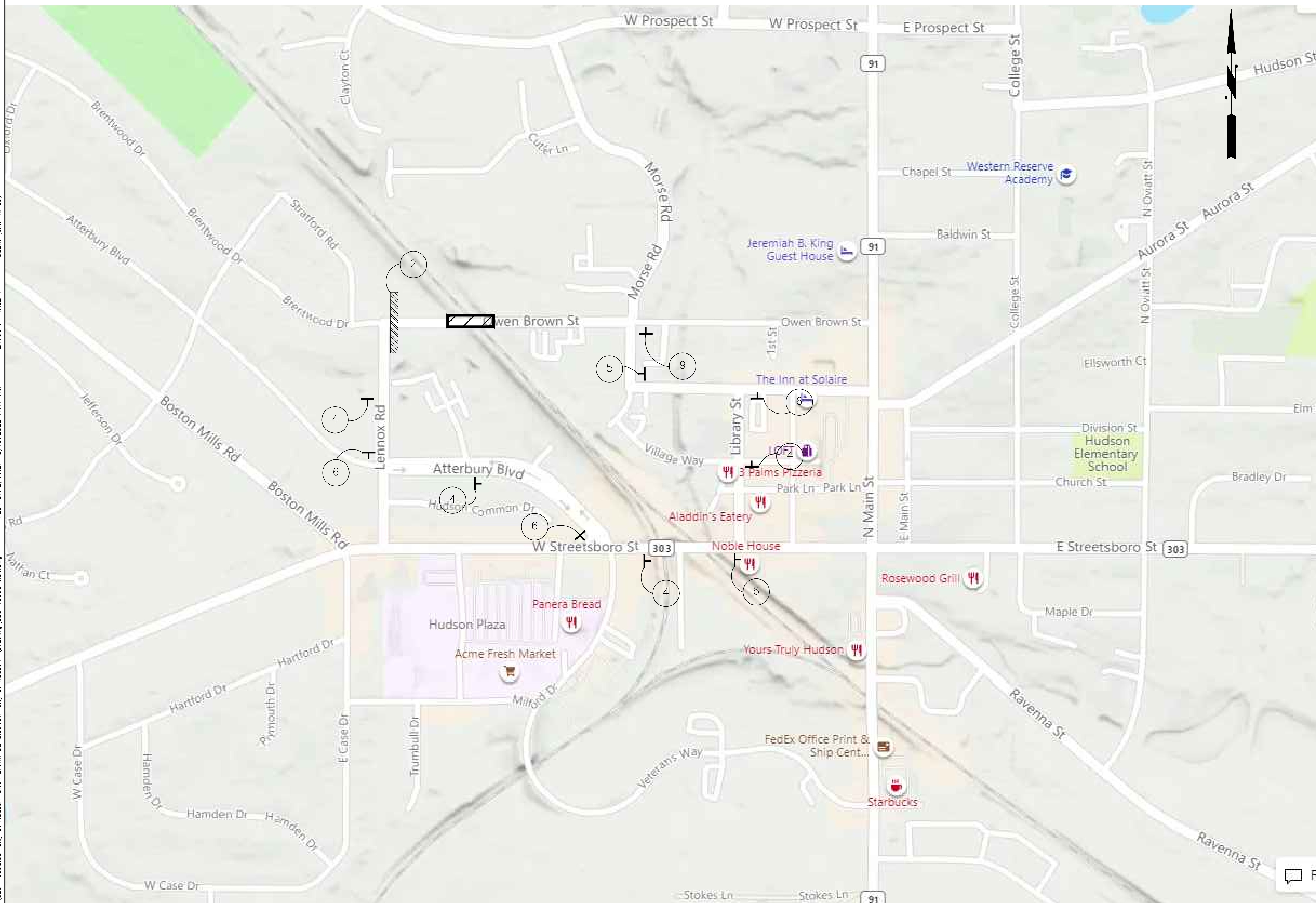
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**DETAILS**  
**OWEN BROWN ST. SIDEWALK**  
**HUDSON, OH**  
**SEPTEMBER 27, 2021**  
**FINAL PLANS**

SHEET No.	<b>9</b>
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-  SIGN LOCATION
-  WORK AREA
-  TYPE 3 BARRICADE



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 LAYOUT: PHASE 1  
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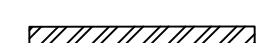
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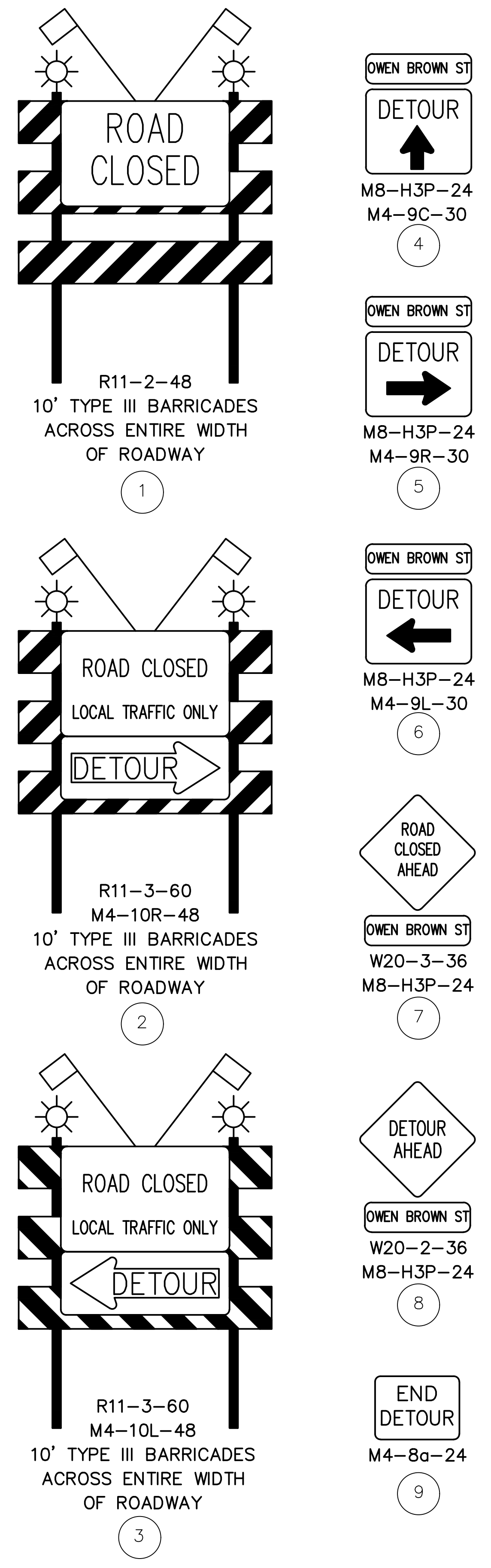
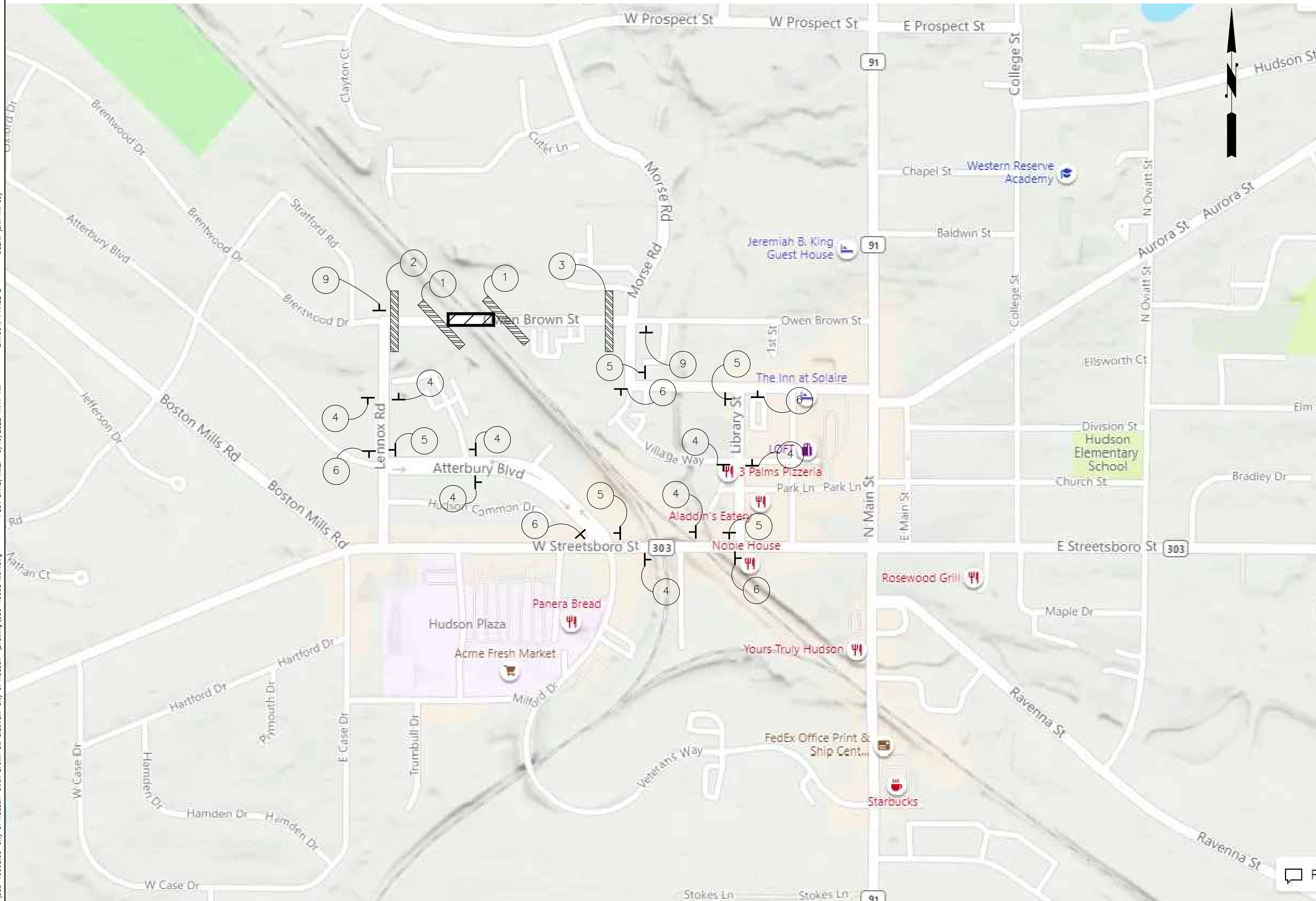
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**DETOUR PLAN - PHASE 1**  
**OWEN BROWN ST. SIDEWALK**  
**HUDSON, OH**  
**SEPTEMBER 27, 2021**  
**FINAL PLANS**

-  SIGN LOCATION
-  WORK AREA
-  TYPE 3 BARRICADE

**NOTE:**  
FOR LENGTH OF CLOSURE,  
SEE "PROJECT PHASING"  
NOTE ON SHEET 2.



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 LAYOUT: PHASE 2  
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**DETOUR PLAN - PHASE 2**  
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