

WILLIAMS, NORTH, & LIBERTY STREET IMPROVEMENTS

VILLAGE OF PLEASANT HILL MIAMI COUNTY, OHIO

LOCAL UTILITIES

WATER, STORM, & SANITARY
VILLAGE OF PLEASANT HILL
8 WEST HIGH STREET
P.O. BOX 557
PLEASANT HILL, OHIO 45359
(937) 676-3321

ELECTRIC
AES OHIO
1900 DRYDEN ROAD
DAYTON, OHIO 45439
(937) 548-5937

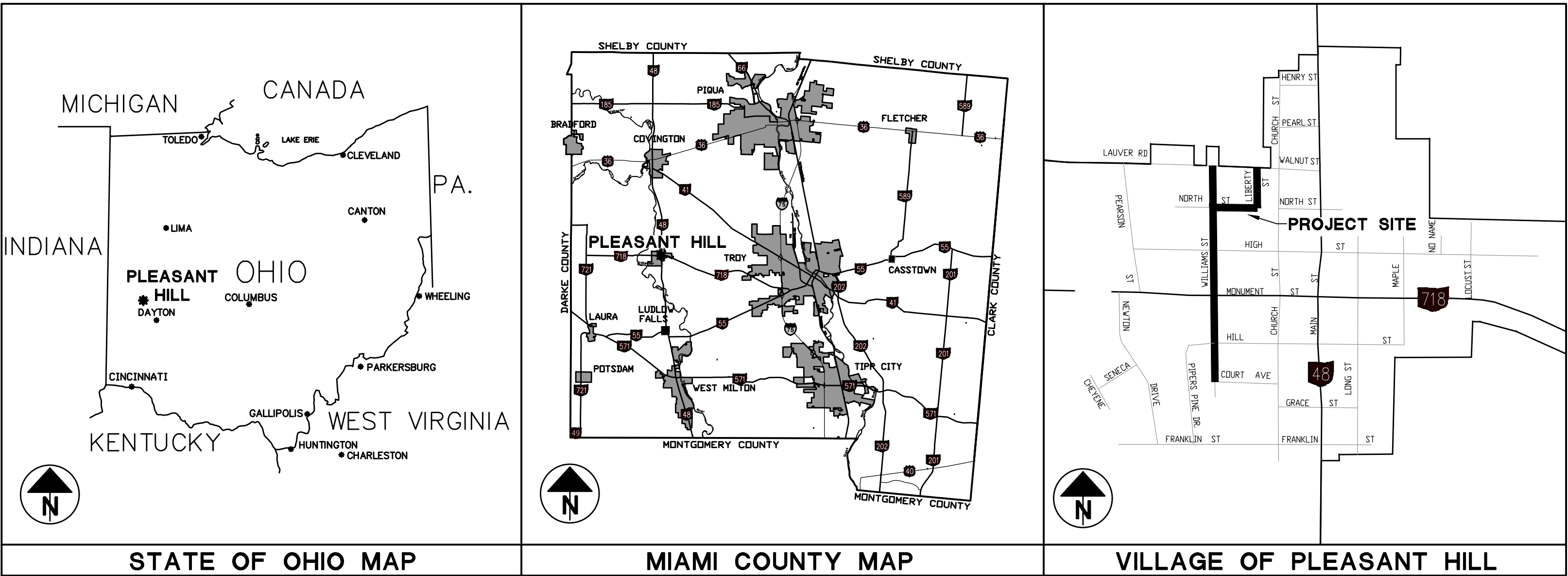
GAS
CENTERPOINT ENERGY
1300 EXPERIMENT FARM ROAD
TROY, OHIO 45373
(800) 229-2644
(937) 440-1822

PHONE
WINDSTREAM COMMUNICATIONS
225 W COLUMBUS STREET
KENTON, OHIO 43326
(419) 674-1124

CABLE
SPECTRUM
(419) 996-2249

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BID SET

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LEGEND

#

SHEET NUMBER

PLAN SET LINETYPE LEGEND

- R/W

EXISTING RIGHT OF WAY
- PL

EXISTING PROPERTY LINE
- SAN

EXISTING SANITARY SEWER
- STM

EXISTING STORM SEWER
- G

EXISTING GAS
- T

EXISTING TELEPHONE
- W

EXISTING WATERLINE
- EXISTING WATERLINE TO
BE ABANDONED IN PLACE
- STM

PROPOSED STORM SEWER
- SAN

PROPOSED SANITARY SEWER
- W

PROPOSED WATERLINE

PLAN SET SYMBOL LEGEND

- LIGHT
- LIGHT POLE
- PWR POLE
- TELE POLE
- TELEPHONE BOX
- F

FIBER BOX
- SATELLITE DISH
- C

CABLE BOX
- GM

GAS METER
- G

GAS MARKER
- GAS VALVE
- E

ELEC BOX
- W

WELL
- WM

WATER METER
- WS

WATER SERVICE
- WATER VALVE
- FIRE HYDRANT
- PR HYDRANT
- WS

PR WATER SERVICE
- WM

PR WATER METER
- PR WATER VALVE
- EX STORM MH
- EX CATCH BASIN
- YD

EX YARD DRAIN
- PR STM MH
- PR CB
- YD

PR YARD DRAIN
- CD

PR CLEANOUT
- ST

PR STM LATERAL
- EX SAN MH
- PR SAN MH
- SS

PR SAN LATERAL
- GUY WIRE
- SIGN
- MB

MAILBOX
- FLAG POLE
- CLOTHESLINE
- POST
- LANDHOOK
- SOIL BORE
- PROPANE TANK
- SWING SET
- STUMP
- PINE
- BUSH
- TREE
- ROCK

ROCK
- REMOVE TREE/BUSH/STUMP

WILLIAMS, NORTH, & LIBERTY
STREET IMPROVEMENTS

VILLAGE OF PLEASANT HILL
MIAMI COUNTY, OHIO

SCHEMATIC PLAN

REV NO	REV DATE	REVISION COMMENTS

PACCESS

Engineering Solutions

www.accessengllc.com | 419-586-1430

PROJECT NO: C25019.1A

DATE: SEPTEMBER 2026

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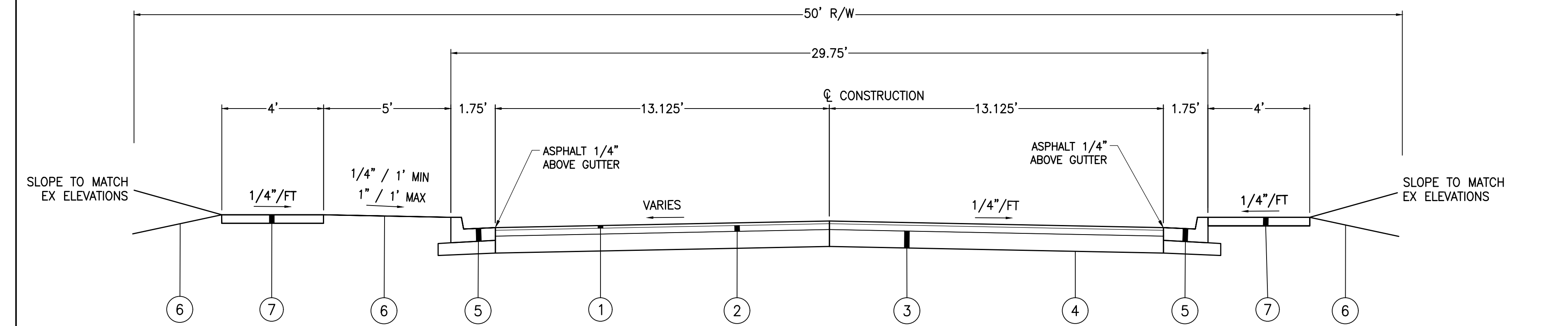
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150'

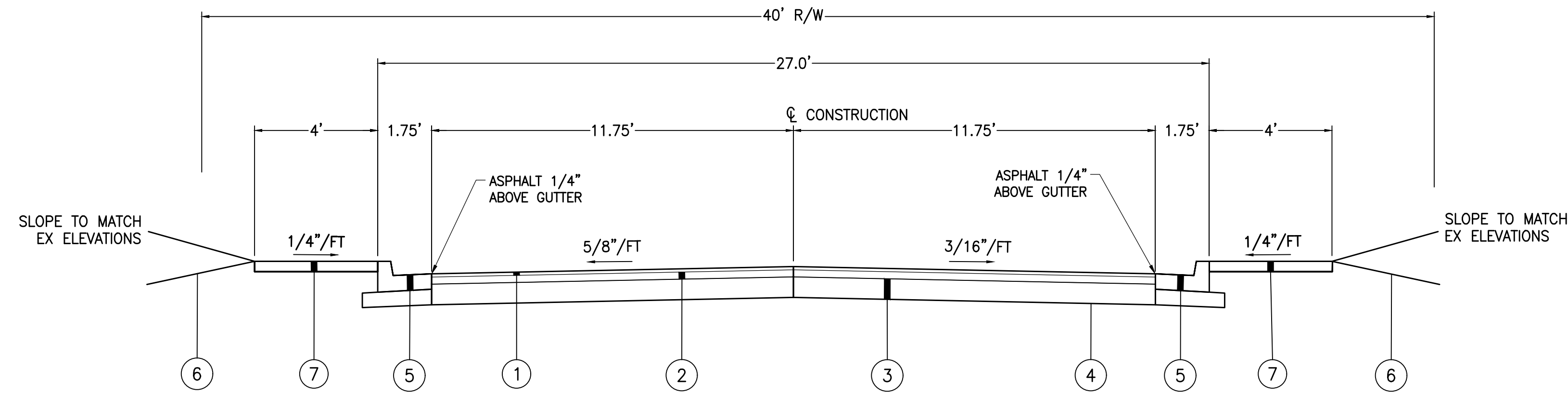
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SCALE: 1"= 150' (11" x 17")

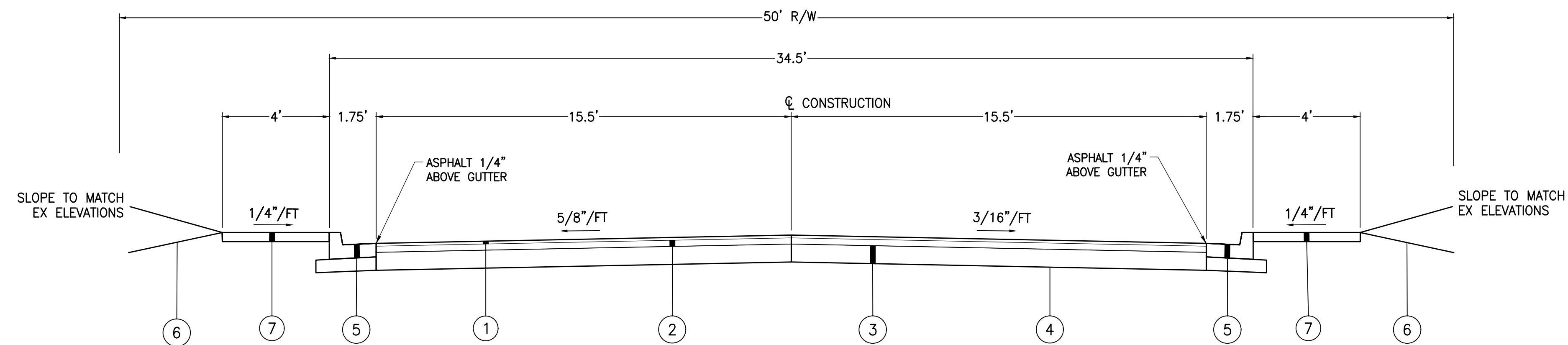
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TYPICAL SECTION
(S. WILLIAMS STREET: COURT AVE TO HILL ST)



TYPICAL SECTION
(S. WILLIAMS STREET: HILL ST TO MONUMENT ST)



TYPICAL SECTION
(N. WILLIAMS STREET: MONUMENT ST TO HIGH ST)

- LEGEND
- 1 ITEM 441 - 1-1/4" ASPHALT CONCRETE SURFACE COURSE TYPE 1, (448) PG 64-22
 - 2 ITEM 441 - 2-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE 2, (448) PG 64-22
 - 3 ITEM 304 - 8" COMPACTED AGGREGATE BASE (2-4" LIFTS SATURATED W/ WATER BETWEEN)
 - 4 ITEM 204 - SUBGRADE COMPACTION
 - 5 ITEM 609 - COMBINATION CURB AND GUTTER
 - 6 ITEM 659 - SEEDING AND MULCHING
 - 7 ITEM 608 - 4" CONCRETE WALK

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WILLIAMS, NORTH, & LIBERTY

STREET IMPROVEMENTS

VILLAGE OF PLEASANT HILL

MIAMI COUNTY, OHIO

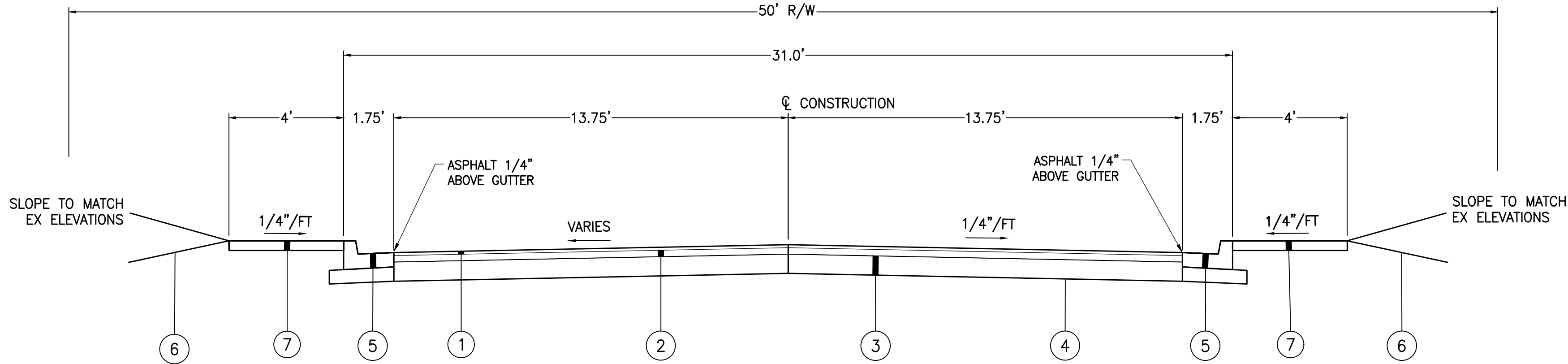
TYPICAL SECTIONS

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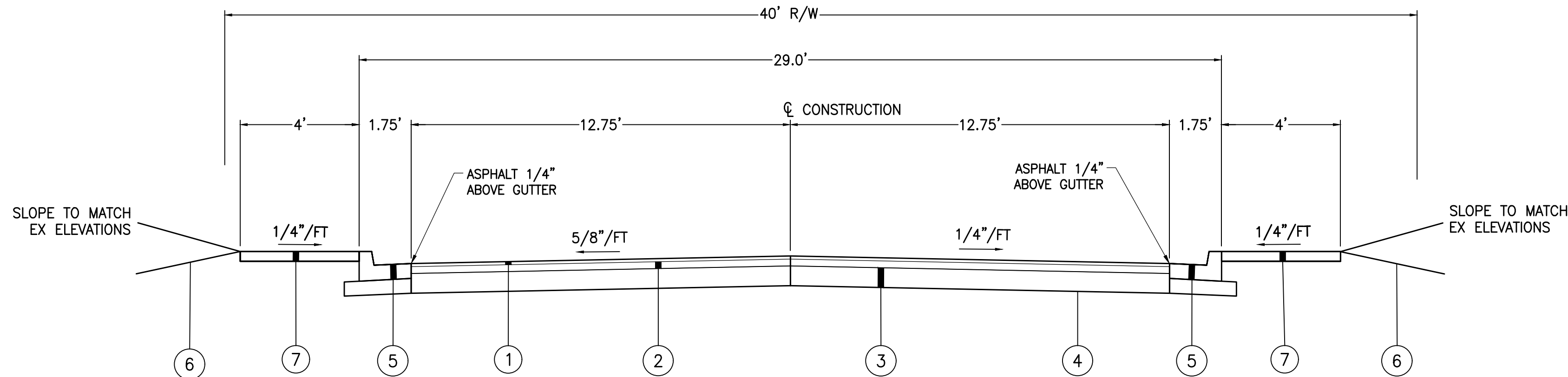
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TYPICAL SECTION
(N. WILLIAMS STREET: HIGH ST TO WALNUT ST)
(NORTH ST)



TYPICAL SECTION
(LIBERTY ST)

- LEGEND
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WILLIAMS, NORTH, & LIBERTY
STREET IMPROVEMENTS

VILLAGE OF PLEASANT
HILL
MIAMI COUNTY, OHIO

TYPICAL SECTIONS

REV NO	REV DATE	REVISION COMMENTS

4

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SPECIFICATIONS

EXCEPT AS MODIFIED BY THESE PLANS AND THE DETAIL SPECIFICATIONS PERTAINING THERETO, ALL WORK ON THIS PROJECT SHALL BE GOVERNED BY THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION, "CONSTRUCTION AND MATERIAL SPECIFICATIONS", DATED JANUARY 1, 2023 AND BY SUCH SUPPLEMENTAL STATE SPECIFICATIONS AS MAY BE IN EFFECT FOURTEEN (14) CALENDAR DAYS PRIOR TO THE AWARD OF THIS CONTRACT. IN THE AFORESAID STATE SPECIFICATIONS, THE WORDS "STATE", "DIRECTOR" AND "ENGINEER" SHALL BE HELD TO THE OWNER, OR HIS DULY APPOINTED REPRESENTATIVE.

ALL MATERIAL SHALL BE MANUFACTURED IN THE UNITED STATES OF AMERICA. COPIES OF SUPPLIERS INVOICES SHALL BE SUBMITTED TO THE ENGINEER.

SAFETY REQUIREMENTS

THE CONTRACTOR SHALL AT ALL TIMES FOLLOW STATE AND LOCAL SAFETY REQUIREMENTS DURING CONSTRUCTION OF THIS PROJECT. SPECIAL CARE SHALL BE TAKEN DURING ALL TRENCHING OPERATIONS. SHEETING AND BRACING, CRIBBING, ETC. MUST BE INSTALLED AS REQUIRED TO PROVIDE MAXIMUM SAFETY TO THE CONTRACTORS' WORKERS IN FULL COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS.

INSURANCE

NO CONTRACTOR OR SUBCONTRACTOR SHALL START ANY WORK UNTIL THE APPROVED CERTIFICATE OF LIABILITY INSURANCE IS FILED WITH THE OWNER NAMING THE OWNER AS AN INSURED.

CONSTRUCTION STAKING

THIS WORK CONSISTS OF FURNISHING, PLACING, AND PRESERVING CONSTRUCTION LAYOUT STAKES OR OTHER CONTROLS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS FOR THE CONSTRUCTION OF VARIOUS ELEMENTS OF THE PROJECT, AND REMOVING ALL STAKES AT THE COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL REPRODUCE AND SUBMIT FIELD NOTES OF ALL LAYOUT WORK TO THE ENGINEER AS THE WORK PROGRESSES. THE OWNER WILL PAY FOR ACCEPTED QUANTITIES AT THE LUMP SUM BID PRICE FOR CONSTRUCTION STAKING.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT, AND AGAIN BEFORE FINAL ACCEPTANCE BY THE OWNER; REPRESENTATIVES OF THE OWNER AND THE CONTRACTOR SHALL MAKE AN INSPECTION OF THE EXISTING SEWERS WITHIN THE PROJECT 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 OWNER.

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 ACCEPTABLE BY THE OWNER.

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 & OWNER. PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT CONDUIT ITEMS OF THE CONTRACT.

SOILS REPORT

NO SOILS TEST REPORT OR BORINGS WERE PERFORMED AS PART OF THIS PROJECT.

EXISTING SEWERS

EXCEPT AS OTHERWISE PROVIDED IN THESE PLANS, FLOW IN EXISTING STORM AND SANITARY SEWERS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION OF THIS PROJECT.

IF DAMAGED DURING CONSTRUCTION, THE EXISTING SEWERS AND CATCH BASINS ARE TO BE REPLACED IMMEDIATELY WITH CONDUIT AND A CATCH BASIN AS APPROVED BY THE OWNER OR ENGINEER. THESE REPLACEMENTS, IF NECESSARY ARE TO BE CONSIDERED PAID FOR IN THE UNIT PRICE BID FOR THE INSTALLATION OF THE PROPOSED SANITARY SEWER. DITCHES ARE TO BE REGRADED TO DRAIN PROPERLY.

CONNECTIONS TO EXISTING SEWERS

WHERE THE PLANS PROVIDE FOR THE PROPOSED CONDUIT TO BE CONNECTED TO, OR TO CROSS EITHER OVER OR UNDER AN EXISTING SEWER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE EXISTING PIPE BOTH AS TO LINE AND GRADE BEFORE THEY START CONSTRUCTION OF THE PROPOSED SEWER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING SEWERS RESULTING FROM HIS OPERATION OR NEGLIGENCE.

OBSTRUCTIONS IN RIGHT-OF-WAY

THE CONTRACTOR SHALL NOT REMOVE ANY MAIL BOXES, PAPER BOXES, PRIVATE LIGHT POSTS, SHEDS, SIGNS, UTILITY MARKERS, TREES, SHRUBBERY, FENCE, GUARDRAIL OR OTHER OBSTRUCTIONS WITHOUT THE PRIOR APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL NOTIFY ALL PROPERTY OWNERS AND REQUEST THAT THE PROPERTY OWNER REMOVE FENCES, SHRUBS, BUSHES, LIGHT POSTS, PRIVATE SIGNS AND ORNAMENTAL LANDSCAPING WHICH INCLUDES BUT IS NOT LIMITED TO RAILROAD TIES, STATUES, BRICK OR STONE, WASH STONE, WOOD CHIPS, ETC. FROM THE PUBLIC RIGHT-OF-WAY.

IF THE OWNER OF SAID OBSTRUCTION DOES NOT REMOVE OR RELOCATE SAID OBSTRUCTION WITHIN A REASONABLE TIME (10 DAYS MAXIMUM) THE CONTRACTOR SHALL REMOVE THE OBSTRUCTION AND PLACE IT AT THE DIRECTION OF THE ENGINEER. IF MAILBOXES CAN NOT BE IMMEDIATELY REPLACED, THE CONTRACTOR SHALL PROVIDE FOR TEMPORARY MAIL SERVICE SUITABLE TO THE U.S. POSTAL SERVICE. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT CONDUIT ITEM.

UNDERGROUND UTILITIES

THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS HAS BEEN OBTAINED BY DILIGENT FIELD CHECKS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT THE OWNER DOES NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS.

THE EXACT LOCATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING UTILITIES BY HIS OPERATIONS.

UTILITY ADJUSTMENT

ANY AND ALL WORK REQUIRED FOR PUBLIC OR PRIVATE UTILITIES WILL BE DONE BY AND AT THE EXPENSE OF THEIR RESPECTIVE OWNERS, UNLESS OTHERWISE NOTED ON THESE PLANS. UTILITIES THAT ARE IN CONFLICT SHALL SUBMIT DETAILED PLANS OF UTILITY REARRANGEMENT TO THE OWNER. UTILITY REARRANGEMENT PLANS SHALL BE APPROVED AND PERMIT ISSUED PRIOR TO COMMENCING WORK.

PERMIT REQUIREMENTS

THE CONTRACTOR SHALL OBTAIN ALL REQUIRED WORK PERMIT NEEDED ON THE PROJECT. COPIES OF THESE PERMITS SHALL BE SUBMITTED TO THE OWNER PRIOR TO THE BEGINNING OF CONSTRUCTION.

UTILITY POLES

ALL COSTS ASSOCIATED WITH THE HOLDING OR RELOCATION OF UTILITY POLES NEEDED FOR CONSTRUCTION PURPOSES, WHICH ARE NOT INDICATED ON THE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE OWNER WILL ASSIST THE CONTRACTOR IN GETTING ANY NEEDED RELOCATION, WHICH ARE NOT NOTED ON THE PLANS, BUT ANY FEES ASSOCIATED WITH THESE RELOCATIONS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

UTILITY NOTIFICATION

THE CONTRACTOR SHALL NOTIFY ALL INVOLVED UTILITY COMPANIES AT LEAST FIVE (5) CONSTRUCTION DAYS BEFORE ANY CONSTRUCTION WORK IS PERFORMED IN THE AREA WHERE UTILITIES ARE LOCATED. NOTIFY THE OHIO UTILITY PROTECTION SERVICE (OUPS) TWO (2) WORKING DAYS BEFORE DIGGING AT A TOLL FREE NUMBER: 1-800-362-2764. NON-MEMBER UTILITIES MUST BE NOTIFIED DIRECTLY. A LIST OF THE OWNERS OF UTILITIES KNOWN TO BE WITHIN THE CONSTRUCTION LIMITS IS SHOWN ON THE FRONT PAGE OF THESE CONSTRUCTION PLANS.

IF CONFLICTS ARE DISCOVERED, THE CONTRACTOR IS TO NOTIFY THE ENGINEER PRIOR TO THE START OF ANY WORK THAT WOULD BE IN CONFLICT WITH THE UTILITIES.

ODOT EQUIPMENT REQUIREMENT

NO STEEL-TRACKED EQUIPMENT WILL BE ALLOWED ON OR TO CROSS ANY STATE ROUTE.

MAINTAINING TRAFFIC

MAINTENANCE OF TRAFFIC SHALL FOLLOW ODOT GUIDELINES AS SET FORTH IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD) DURING CONSTRUCTION OF THE PROJECT. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL RESIDENTIAL AND COMMERCIAL DRIVES AT ALL TIMES DURING CONSTRUCTION. THE ROADWAY MAY BE CLOSED TO THRU TRAFFIC. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT TO THE OWNER A WRITTEN TRAFFIC CONTROL PLAN FOR APPROVAL, PRIOR TO BEGINNING CONSTRUCTION.

DURING PERIODS WHEN THE CONTRACTOR IS WORKING, TRAFFIC MAY BE LIMITED TO ONE-WAY FLOW ON A MINIMUM TEN FOOT (10') LANE PER THE DETAIL SHOWN IN THESE PLANS.

WHERE CONSTRUCTION OPERATIONS REQUIRE TRENCHES IN ROADWAY AREAS, THESE AREAS ARE TO BE BACKFILLED WITH APPROVED GRANULAR BACKFILL MATERIAL. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THESE TRENCHES UNTIL PERMANENT PAVEMENT REPLACEMENT IS INSTALLED. ALL RUTTING, POT HOLES, TRENCH SETTLEMENT ETC. SHALL BE IMMEDIATELY REPAIRED BY THE CONTRACTOR. IF A TRENCH IS NOT TO RECEIVE PERMANENT PAVEMENT REPAIR WITHIN TWO MONTHS OF THE EXISTING PAVEMENT BEING REMOVED, THE OWNER MAY REQUIRE THE CONTRACTOR IN INSTALL 2.5" OF ODOT 405 BITUMINOUS COLD MIX. THE COST FOR THIS TEMPORARY PAVEMENT REPAIR SHOULD BE INCLUDED IN THE LUMP SUM PRICE BID FOR MAINTAINING TRAFFIC.

HAUL ROUTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL AND THE DAILY CLEANUP OF ANY MUD, DIRT OR DEBRIS DEPOSITED ON HAUL ROADS AS A RESULT OF CONSTRUCTION OPERATIONS. CLEANUP OPERATIONS SHALL BE AS DIRECTED BY THE OWNER. THE COST OF ROAD CLEANUP SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT CONDUIT BID ITEM.

ALL STATE ROUTES & ROADWAYS WITHIN THE WORK AREA OF THE PROJECT SHALL BE KEPT CLEAR OF MUD, DIRT, & DEBRIS AT ALL TIMES.

SPOILS REMOVAL

REMOVAL AND DISPOSAL OF SPOILS RESULTING FROM EXCAVATION SHALL BE INCLUDED IN THE BID COST FOR THE PERTINENT CONDUIT ITEMS. DISPOSAL OF SPOILS MATERIAL SHALL BE AT AN APPROVED SITE. CONTRACTOR SHALL COORDINATE THIS WORK WITH THE OWNER OF THE DISPOSAL SITE. UNLESS OTHERWISE NOTED ON THE PLANS, ALL MATERIALS REMOVED DURING CONSTRUCTION BECOME PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY PERMITS RELATED TO THE DISPOSAL OF SPOILS.

OVERHANGING LIMBS

THE BID PRICE OF EACH CONDUIT ITEM SHALL INCLUDE THE COST OF ANY NECESSARY TREE REMOVAL OR TRIMMING. REMOVE ONLY THOSE TREES, SHRUBS, AND VEGETATION NECESSARY FOR CONSTRUCTION. NO TREE REMOVAL OR TRIMMING OUTSIDE OF THE ROAD RIGHT-OF-WAY OR EASEMENTS SHALL BE ALLOWED WITHOUT PERMISSION OF THE ENGINEER, OWNER AND PROPERTY OWNER.

DEWATERING

THE COST OF PUMPING ANY GROUNDWATER NECESSARY FOR SEWER LINE INSTALLATION SHALL BE INCLUDED IN THE COST PER PERTINENT CONDUIT ITEM.

INCIDENTALS

PRICE BID FOR THE PERTINENT CONDUIT ITEMS SHALL INCLUDE ALL WORK AND MATERIALS NOT INCLUDED IN THE QUANTITIES BUT NECESSARY TO COMPLETE THE PROJECT IN A WORKMANLIKE MANNER.

MAINTENANCE

AT ALL TIMES DURING CONSTRUCTION OF THE WORK AND UNTIL THE RELEASE OF THE CONTRACTOR FROM HIS GUARANTEE BY THE OWNER, THE CONTRACTOR SHALL MAINTAIN THE BACKFILLED TRENCHES AND ALL OTHER ASPECTS OF THE PROJECT. ANY SETTLEMENT THAT OCCURS DURING SUCH TIME SHALL IMMEDIATELY BE FILLED. THE CONTRACTOR SHALL ALSO REPLACE ALL PAVEMENT, DRIVES, WALKS, PIPES, SOD, ETC., WHICH HAVE BEEN DISTURBED, TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED BEFORE CONSTRUCTION WAS STARTED.

CLEARING AND GRUBBING

THE LUMP SUM BID FOR ITEM "CLEARING AND GRUBBING" SHALL BE CONSIDERED FULL PAYMENT FOR THE REMOVAL AND DISPOSAL OF ALL BRUSH, TREES, AND STUMPS NECESSARY TO CONSTRUCT ALL ITEMS AS SHOWN ON THE CONSTRUCTION PLANS. REMOVAL OF TREES OUTSIDE THE WORK LIMITS WILL NOT BE ALLOWED.

BACKFILLING

ALL TRENCH EXCAVATIONS SHALL BE BACKFILLED IMMEDIATELY AFTER PIPE IS LAID THEREIN. NO MATERIAL SHALL BE USED FOR BACKFILLING THAT CONTAINS STONES, ROCK, MASONRY, FROZEN EARTH, DEBRIS OR EARTH WITH AN EXCEPTIONALLY HIGH VOID CONTENT.

TRENCHES OUTSIDE THE LIMITS OF FIVE (5) FEET FROM ROADWAYS, ALLEYS, CURBING, SIDEWALK, PARKING LOTS, AND DRIVEWAYS SHALL BE BACKFILLED WITH SPECIFIED BEDDING MATERIAL TO 12" ABOVE THE TOP OF THE PIPE. THE REMAINDER OF THE TRENCH SHALL BE FILLED WITH EXCAVATED MATERIAL, INsofar AS IT IS OF SUITABLE CHARACTER. THE EXISTING NATIVE MATERIAL IS TO BE COMPACTED IN LIFTS NOT TO EXCEED 12" IN LOOSE DEPTH. DENSITY OF THE COMPACTED NATIVE BACKFILL SHALL BE APPROVED MECHANICAL MEANS AND ACHIEVE COMPACTION OF A MINIMUM OF 95% OF THE STANDARD PROCTOR VALUE.

TRENCHES WITHIN THE LIMITS OF FIVE (5) FEET FROM ROADWAYS, ALLEYS, CURBING, SIDEWALK, PARKING LOTS, AND DRIVEWAYS SHALL BE BACKFILLED WITH SPECIFIED BEDDING MATERIAL TO 12" ABOVE THE TOP OF THE PIPE. THE REMAINDER OF THE TRENCH SHALL BE FILLED WITH ODOT 304 GRANULAR BACKFILL OR AN OWNER APPROVED EQUAL. THE GRANULAR BACKFILL MATERIAL IS TO BE COMPACTED IN LIFTS NOT TO EXCEED 6" IN DEPTH. DENSITY OF THE COMPACTED GRANULAR BACKFILL SHALL BE BY APPROVED MECHANICAL MEANS AND ACHIEVE COMPACTION OF A MINIMUM OF 98% OF THE STANDARD PROCTOR VALUE.

ALL TRENCHES WITHIN PAVEMENT, BERM AND SHOULDER LIMITS SHALL BE BACKFILLED OR SECURELY PLATED DURING NON-WORKING HOURS. TRENCHES OUTSIDE OF THESE AREAS SHALL BE BACKFILLED OR SHALL BE PROTECTED BY APPROVED TEMPORARY FENCING OR BARRICADES DURING NON-WORKING HOURS. CLEAN UP SHALL FOLLOW CLOSELY BEHIND TRENCHING OPERATIONS.

MATERIAL STORAGE

THE LOCATION OF ALL MATERIALS STORED ON SITE MUST RECEIVE APPROVAL OF THE OWNER. IN GENERAL, MATERIALS SHOULD BE STORED SO AS TO MINIMIZE THE INCONVENIENCE TO THE RESIDENTS OF THE AREA.

NO MATERIALS, EQUIPMENT, VEHICLES WILL BE PERMITTED TO BE STOCKPILED OR PARKED WITHIN STATE RIGHT-OF-WAY.

EXISTING GROUND PROFILES

THE GROUND PROFILES SHOWN ON THESE PLANS ARE NOT TO BE TAKEN AS AN ACTUAL REPRESENTATION OF EXISTING CONDITIONS. THE EXISTING CONDITIONS IN THE FIELD ARE TO TAKE PRECEDENCE OVER THE PROFILE PRESENTED IN THE PLANS WHEN CONSIDERING INSTALLATION TO PROVIDE MINIMUM COVER. MINIMUM DEPTHS OF COVER ARE TO BE ENSURED IN THE FIELD ACCORDING TO THE ACTUAL EXISTING GROUND COVER.

ITEM 611 PIPING/CONDUITS AND RELATED WORK, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 611, PIPE CULVERTS, SEWERS, DRAINS, AND DRAINAGE STRUCTURES, EXCEPT AS HEREIN MODIFIED.

ALL PIPE CULVERTS, CONDUITS, SEWERS, DRAINS, AND DRAINAGE STRUCTURES SHALL MEET THE MATERIAL REQUIREMENTS OF THIS ITEM. THE FOLLOWING ITEMS WILL NOT BE REQUIRED UNLESS OTHERWISE NOTED: 1) INSTALLATION PLAN, 2) CONSTRUCTION INSPECTION FORMS, 3) PERFORMANCE INSPECTIONS AND REPORTS, 4) CONDUIT AND DRAINAGE STRUCTURE EVALUATIONS.

THE INSTALLATION OF ALL PIPE CULVERTS, CONDUITS, SEWERS, DRAINS, AND DRAINAGE STRUCTURES SHALL BE PER MANUFACTURER'S RECOMMENDATIONS OR AS NOTED ON THE PLANS. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN A HIGH STANDARD OF WORK. CONTRACTOR IS RESPONSIBLE TO ENSURE ALL WORK IS PERFORMED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OR AS NOTED ON THE PLANS. CONTRACTOR SHALL ALSO ENSURE THAT ALL ITEMS ARE FULLY AND PROPERLY FUNCTIONAL, AND TO A QUALITY ACCEPTABLE BY THE OWNER.

STORM WATER POLLUTION PREVENTION PLAN (SWP3)

THIS PLAN SHOULD BE DEVELOPED AS PER SS 832. THE CONTRACTOR SHALL DEVELOP THIS PLAN AFTER THE CONTRACT IS AWARDED AND PRIOR TO ANY CONSTRUCTION ACTIVITY. A COPY OF THE SWPP PLAN SHOULD BE SUBMITTED TO THE OWNER FOR REVIEW AND APPROVAL.

PAYMENT FOR THE SWP3 PLAN WILL BE MADE UNDER "ITEM -- STORM WATER POLLUTION PREVENTION PLAN" AND PAYMENT FOR APPROVED AND IMPLEMENTED STORM WATER POLLUTION PREVENTION MEASURES SHALL BE MADE UNDER "ITEM -- EROSION CONTROL" PER UNIT PRICES DEVELOPED BY ODOT SS 832.

RECORD DRAWINGS

THE CONTRACTOR SHALL PROVIDE TWO (2) COMPLETE SETS OF RECORD DRAWINGS TO THE OWNER WITHIN THIRTY (30) DAYS OF THE PROJECT COMPLETION. THESE DRAWINGS SHALL SHOW ALL CHANGES TO THE ORIGINAL DRAWINGS: ACTUAL TOPS AND INVERTS OF ALL MANHOLES & CATCH BASINS, ALL WATER, STORM & SANITARY LATERAL LOCATIONS AND DEPTHS, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES FOUND DURING CONSTRUCTION, AND ALL OTHER PERTINENT DATA TO THE PROJECT.

ONE YEAR MAINTENANCE BOND

AS PART OF THE MAINTENANCE AND GUARANTEE BOND REQUIRED ON THIS PROJECT, THE CONTRACTOR WILL BE REQUIRED TO ATTEND A ONE-YEAR WARRANTEE INSPECTION WITH THE OWNER. THIS INSPECTION WILL OCCUR APPROXIMATELY TEN (10) MONTHS AFTER THE SUBSTANTIAL COMPLETION DATE OF THE PROJECT. AT THIS MEETING A LIST OF MAINTENANCE ITEMS, THAT NEED TO BE REPAIRED, WILL BE DEVELOPED. THE CONTRACTOR WILL BE REQUIRED TO COMPLETE THE WORK ON THIS LIST PRIOR TO THE RELEASE OF THE BOND BY THE OWNER. SPECIAL ATTENTION WILL BE PAID TO SETTLEMENT AND INSUFFICIENT GRASS AREAS IN THE PROJECT AREA.

EXISTING SURVEY POINTS

SURVEY MONUMENTS, BENCH MARKS AND EXISTING CONTROL POINTS DAMAGED OR DISTURBED BY CONSTRUCTION SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR AT THE CONTRACTORS EXPENSE. SHOULD THE CONTRACTOR FAIL TO PROPERLY REPLACE THESE POINTS THE OWNER SHALL REPLACE THEM AT THE CONTRACTOR'S EXPENSE AFTER THREE WEEKS NOTICE.

RESTORATION OF RIGHT-OF-WAY AND EASEMENT AREAS

ALL EXISTING FEATURES IN THE RIGHT-OF-WAY AND EASEMENT AREAS THAT ARE DISTURBED BY CONSTRUCTION SHALL BE REPLACED TO THEIR ORIGINAL CONDITION IN ACCORDANCE WITH CURRENT OHIO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND TO THE SATISFACTION OF THE OWNER.

PAYMENT TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS ITEMS AS DESCRIBED BELOW:

1. SEEDING & MULCHING

ALL AREAS THAT HAVE BEEN DISTURBED BY CONSTRUCTION SHALL BE SEEDED, MULCHED, AND FERTILIZED AS SOON AS POSSIBLE AFTER WORK IS COMPLETED IN ANY AREA. LAWN AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL GRADE. THE UPPER SIX INCHES (6") OF MATERIAL IN ANY LAWN AREA SHALL CONSIST OF CLEAN TOPSOIL MATERIAL AND CONTAIN NO LUMPS OR STONES LARGER THAN ONE-HALF INCH (1/2") IN SIZE.

SEEDING, MULCHING, & FERTILIZING SHALL BE PER ODOT ITEM 659, CLASS 1. THE COST OF PROVIDING PROPER FILL MATERIAL, GRADING, SEEDING, MULCHING, AND FERTILIZING SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR SEEDING AND MULCHING. THE LIMITS OF WORK TO COMPLETE THIS ITEM SHALL BE APPROVED BY THE ENGINEER.

2. SANITARY STORM AND FIELD DRAIN REPLACEMENT

EXISTING SEWERS SHOWN HEREON REFLECT INFORMATION FROM RECORDS AND TOPOGRAPHIC SURVEY. FLOW IN THESE EXISTING SEWERS AND DRAINS SHALL BE MAINTAINED AT ALL TIMES. THERE IS THE POSSIBILITY OF UNMARKED EXISTING DRAINAGE OR SEWER TILE CROSSING THE PROPOSED WORK. IN THIS CASE, THE CONTRACTOR MAY CUT SUCH PIPE DURING TRENCH EXCAVATION AND REPLACE ANY SUCH PIPE IMMEDIATELY. THE REPLACEMENT PIPE SHALL BE THE SAME DIAMETER AS THAT OF THE EXISTING PIPE BEING REPLACED. REPLACEMENT PIPE SHALL BE PVC SDR-35 WITH FLEXIBLE RUBBER CONNECTIONS (FERNOCO OR EQUIVALENT) ON BOTH ENDS. BEDDING STONE SHALL BE PLACED BENEATH THE CONDUIT TO 6" ABOVE THE TOP OF THE REPAIR. REPAIRS UNDER 12 FEET IN LENGTH ARE TO BE MADE OUT OF ONE PIECE OF CONDUIT. THE ADAPTERS AT BOTH ENDS OF THE PIPE ARE TO BE PLACED OVER UNDISTURBED MATERIAL OF A FIRM NATURE.

THE REMOVAL OF DAMAGED PIPE SHALL BE INCLUDED IN THE UNIT COST OF THE PERTINENT UTILITY ITEM. PAYMENT FOR THE REPLACEMENT OF A PERPENDICULAR CROSSING EXISTING SEWER LINES BY THE PROPOSED CONDUIT WILL BE MADE UNDER THE PERTINENT UTILITY ITEM. THE MAXIMUM PAY LENGTH FOR A PERPENDICULAR SEWER CROSSING WILL BE 6 FEET IN LENGTH, ANY ADDITIONAL FOOTAGE NEEDED FOR REPAIRING A PERPENDICULAR CROSSING WILL BE AT THE CONTRACTOR'S EXPENSE.

EXISTING SEWERS WHICH ARE PARALLEL, OR NOT PERPENDICULAR, TO THE PROPOSED UTILITY, THAT ARE DAMAGED DURING CONSTRUCTION, ARE TO BE REPLACED IMMEDIATELY WITH EQUIVALENTLY SIZED SDR-35 PIPING. THE COST FOR THIS WORK SHOULD BE INCLUDED IN THE PERTINENT UTILITY ITEM. ALL PIPE REPLACED OUTSIDE OF FOUR FEET (4') BEYOND THE CENTERLINE OF THE PROPOSED CONDUIT SHALL BE AT THE CONTRACTOR'S EXPENSE.

3. DRIVE CULVERT REPLACEMENT

WHERE DRIVE CULVERTS HAVE BEEN REMOVED DURING CONSTRUCTION, REPLACEMENT CULVERTS SHALL BE INSTALLED. ALL DRIVE CULVERTS 12" IN DIAMETER AND UNDER SHALL BE REPLACED WITH AN EQUAL CONDUIT, APPROVED BY THE OWNER, NO SMALLER THAN 12" IN DIAMETER. ALL REPLACEMENT CULVERTS SHALL BE CMP. NO PVC PIPE SHALL BE ALLOWED. DRIVE CULVERTS GREATER THAN 12" SHALL BE REPLACED BY AN EQUAL CONDUIT, APPROVED BY THE OWNER, OF EQUAL DIAMETER. ALL DRIVE CULVERTS SHALL BE BACKFILLED WITH GRANULAR MATERIAL MEETING THE PROJECT SPECIFICATIONS. THE COST FOR SUCH WORK SHALL BE INCLUDED IN THE PERTINENT UTILITY ITEM. ALL DRIVE CULVERT REPLACEMENTS SHALL BE PLACED TO ALLOW PROPER DRAINAGE TO THE APPROVAL OF THE OWNER. DRIVE CULVERTS, WHICH ARE DAMAGED AND REPLACED OUTSIDE OF FOUR FEET (4') BEYOND THE CENTERLINE OF THE PROPOSED CONDUIT, SHALL BE AT THE CONTRACTOR'S EXPENSE.

4. PAVEMENT REPLACEMENT

IN ALL AREAS IN WHICH ROADWAY PAVEMENT HAS BEEN REMOVED OR DAMAGED DURING ANY PART OF CONSTRUCTION OPERATIONS, PAVEMENT REPLACEMENT SHALL BE COMPLETED AS DESCRIBED HEREIN. ALL TRENCH AREAS WITHIN THE EDGE OF PAVEMENT SHALL BE BACKFILLED WITH GRANULAR MATERIAL AS REQUIRED TO THE BOTTOM OF THE ASPHALT. THE THICKNESS OF ASPHALT REPLACEMENT SHALL BE AS FOLLOWS:

ITEM 441 - 1-1/2" ASPHALT CONCRETE SURFACE COURSE TYPE 1, (448) P664-22
ITEM 441 - 2-1/2" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE 2, (448)
ITEM 304 - 8" AGGREGATE BASE (TWO LIFTS)

THE COST OF TOTAL PAVEMENT REPLACEMENT REQUIRED SHALL BE PER SQUARE YARD AND SHALL BE INCLUDED IN THE UNIT PRICE BID ITEM FOR THE PAVEMENT REPLACEMENT. THE LIMITS OF PAVEMENT REPLACEMENT SHALL BE APPROVED BY THE ENGINEER AND SHALL NOT EXCEED THE MAXIMUM PAY WIDTHS AS SHOWN ON THE PAVEMENT REPLACEMENT DETAILS.

THE OWNER MAY ORDER ADDITIONAL WIDTH OF PAVEMENT REPLACEMENT BASED UPON THE SPECIFIC PAVEMENT CONDITIONS IN THE FIELD.

EXISTING PAVEMENT AND RIGID BASE SHALL BE SAW CUT FOR THE FULL DEPTH IN ORDER TO PROVIDE AN EVEN SEAM FOR FINAL PATCHING. IF SAWING IS DONE PRIOR TO PLACING CONDUIT AND THE EDGES BREAKDOWN, SAWING WILL BE REDONE BEFORE PATCHING. PAYMENT FOR SAW CUTTING WILL BE INCLUDED IN THE RESPECTIVE PAVEMENT REPLACEMENT BID ITEM.



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PROJECT NO: C25019.1A

DRAWN BY: AMS

DATE: SEPTEMBER 2026

CHECKED BY: BMM

WILLIAMS, NORTH, & LIBERTY STREET IMPROVEMENTS

VILLAGE OF PLEASANT HILL
MIAMI COUNTY, OHIO

GENERAL NOTES

REV NO	REV DATE	REVISION COMMENTS				

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RESTORATION OF RIGHT-OF-WAY AND EASEMENT AREAS (CONT.)

5. DRIVE REPLACEMENT

IN ALL LOCATIONS WHERE DRIVEWAYS HAVE BEEN REMOVED OR DAMAGED DURING ANY PART OF CONSTRUCTION OPERATIONS, DRIVE REPLACEMENT SHALL BE MADE TO MATCH THE EXISTING THICKNESS WITH A MINIMUM REPLACEMENT AS DESCRIBED HEREIN. ALL TRENCH AREAS WITHIN THE EDGE OF PAVEMENT SHALL BE BACKFILLED WITH GRANULAR MATERIAL.

ASPHALT DRIVE:

RESIDENTIAL:

ITEM 441 – 3" ASPHALT CONCRETE SURFACE COURSE TYPE 1, (448) PG64-22 (TWO LIFTS)
ITEM 304 – 6" AGGREGATE BASE (TWO LIFTS)

COMMERCIAL:

ITEM 441 – 1-1/4" ASPHALT CONCRETE SURFACE COURSE TYPE 1, (448) PG64-22
ITEM 441 – 2-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE 2, (448)
ITEM 304 – 8" AGGREGATE BASE (TWO LIFTS)

CONCRETE:

RESIDENTIAL:

ITEM 452 – 6" PORTLAND CEMENT CONCRETE PAVEMENT

COMMERCIAL:

ITEM 451 – 9" PORTLAND CEMENT CONCRETE PAVEMENT

STONE DRIVE:

RESIDENTIAL:

ITEM 304 – 8" AGGREGATE BASE (TOP 2" TO MATCH EXISTING STONE TYPE/COLOR)

COMMERCIAL:

ITEM 304 – 12" AGGREGATE BASE (TOP 2" TO MATCH EXISTING STONE TYPE/COLOR)

THE COST OF ALL LABOR AND MATERIALS REQUIRED FOR DRIVE REPLACEMENT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT DRIVE REPLACEMENT ITEMS, EXCEPT FOR THE COST OF STONE DRIVE REPLACEMENT. IT SHALL BE INCLUDED IN THE COST OF THE APPROPRIATE UTILITY ITEM. THE LIMITS OF PAVEMENT REPLACEMENT SHALL BE APPROVED BY THE ENGINEER AND FOLLOW THE PAVEMENT REPLACEMENT DETAIL.

6. SIDEWALK REPLACEMENT

IN ALL AREAS IN WHICH SIDEWALKS HAVE BEEN REMOVED OR DAMAGED DURING ANY PART OF CONSTRUCTION OPERATIONS, SIDEWALK REPLACEMENT SHALL BE COMPLETED AS DESCRIBED HEREIN. ANY SIDEWALK REPLACEMENT OUTSIDE OF FOUR FEET (4') BEYOND THE CENTERLINE OF THE PROPOSED CONDUIT SHALL BE AT THE CONTRACTOR'S EXPENSE. THE SIDEWALK WIDTH SHALL MATCH THE WIDTH OF THE EXISTING SIDEWALK. PAYMENT FOR THE REPLACEMENT OF EXISTING SIDEWALK SHALL BE MADE UNDER ITEM – SIDEWALK REPLACEMENT. THE SIDEWALK REPLACEMENT SHALL FOLLOW ODOT 608 SPECIFICATIONS. THE THICKNESS OF THE SIDEWALK SHALL BE AS FOLLOWS:

SIDEWALK : ITEM 608 4" CONCRETE WALK
SIDEWALK WITHIN RESIDENTIAL DRIVES: ITEM 608 6" CONCRETE WALK
SIDEWALK WITHIN COMMERCIAL DRIVES: ITEM 608 9" CONCRETE WALK

7. CURB REPLACEMENT

IN ALL AREAS IN WHICH CURBING HAS BEEN REMOVED OR DAMAGED DURING ANY PART OF CONSTRUCTION OPERATIONS, CURB REPLACEMENT SHALL BE COMPLETED AS DESCRIBED HEREIN. ALL TRENCH AREAS WITHIN 5 FEET (5') OF THE EDGE OF CURB SHALL BE BACKFILLED WITH GRANULAR MATERIAL AS REQUIRED TO THE BOTTOM OF THE CURB. ANY CURB REPLACEMENT OUTSIDE OF FOUR FEET (4') BEYOND THE CENTERLINE OF THE PROPOSED CONDUIT SHALL BE AT THE CONTRACTOR'S EXPENSE. THE CURB REPLACEMENT SECTION SHALL MATCH THE TYPE OF CURB REMOVED AND FOLLOW ODOT 609 SPECIFICATIONS. PAYMENT FOR THE REPLACEMENT OF EXISTING CURB SHALL BE MADE UNDER ITEM – CURB REPLACEMENT.

8. MISCELLANEOUS RESTORATION

PAYMENT FOR RESTORATION OF ITEMS NOT SPECIFICALLY ADDRESSED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT CONDUIT ITEM, UNLESS OTHERWISE APPROVED BY THE ENGINEER.



PROJECT NO.: C25019.1A
DATE: SEPTEMBER 2026
DRAWN BY: AMS
CHECKED BY: BMM

WILLIAMS, NORTH, & LIBERTY
STREET IMPROVEMENTS

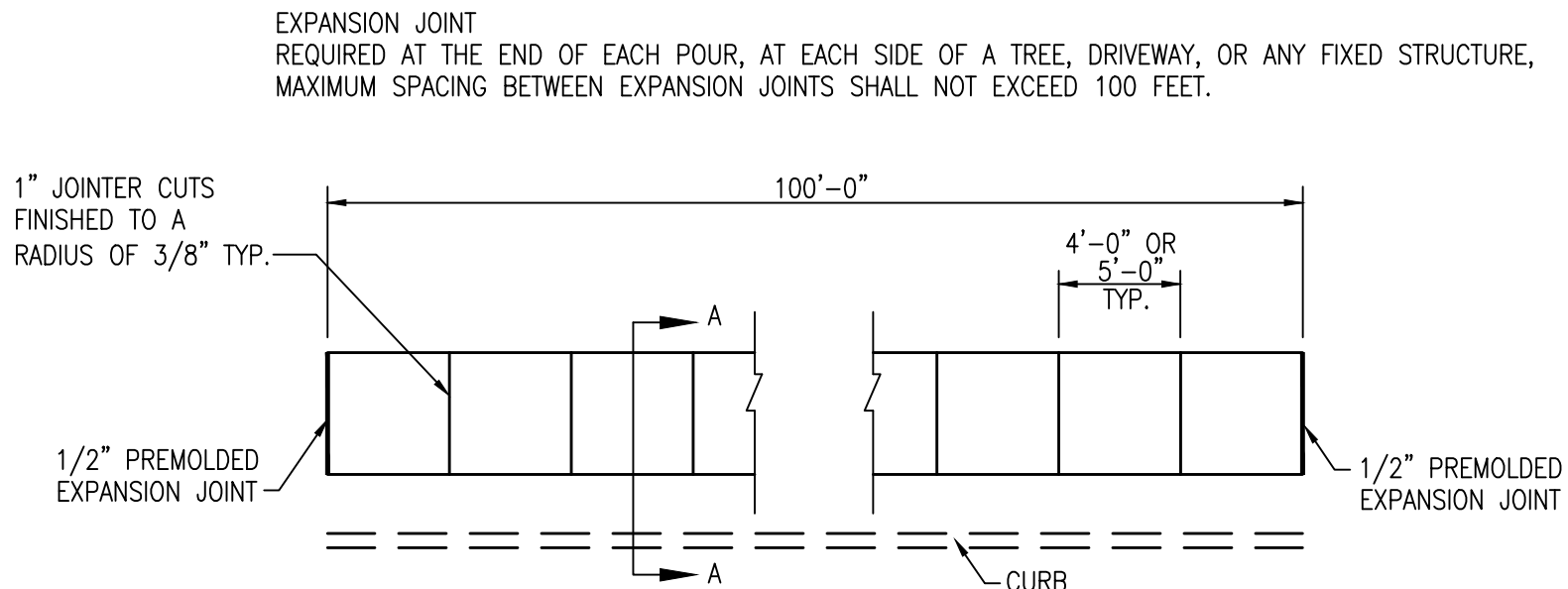
VILLAGE OF PLEASANT HILL
MIAMI COUNTY, OHIO

GENERAL NOTES

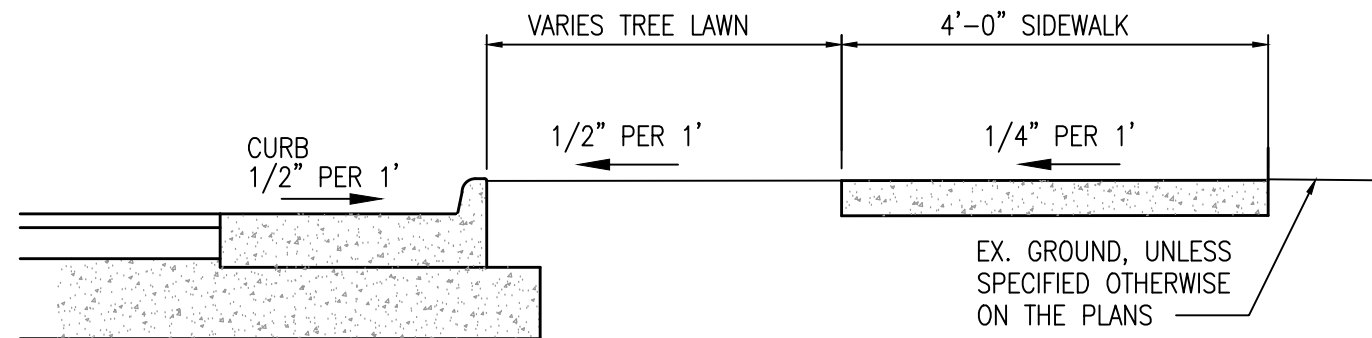
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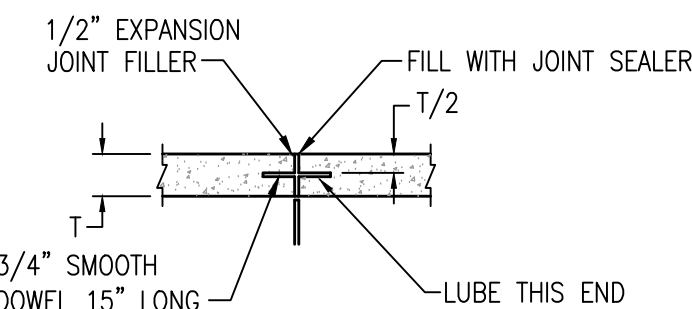
1. WALK TO BE POURED ON 4" MINIMUM COMPACTED GRANULAR BEDDING.
2. PROVIDE BROOM FINISH TO ALL EXPOSED SURFACE.
3. CONCRETE SHALL CONFORM TO ODOT ITEM 499 CONCRETE. CONCRETE WORK SHALL CONFORM TO ODOT ITEM 608, UNLESS OTHERWISE SPECIFIED WITHIN.
4. PROVIDE EDGING AROUND ALL EXPOSED SURFACES.
5. USE WHITE PIGMENTED CURING COMPOUND IMMEDIATELY AFTER FINISHING SURFACES. ANY OTHER METHOD OR TYPE OF CURING COMPOUND MUST BE PREAPPROVED.
6. WHEN RENOVATING EXISTING STREETS, THE SIDEWALKS SHALL BE REPLACED TO CONFORM WITH THE ODOT CONSTRUCTION STANDARDS AND DRAWINGS.
7. CONCRETE SHALL BE ODOT CLASS C (4000 PSI, 600 LB/CY CEMENT) PROPORTIONING OPTIONS 1 AND 2 NOT ALLOWED.
8. CONCRETE SHALL CONTAIN 6% +/- 1% OF TOTAL AIR.



CONCRETE SIDEWALK DETAIL



SECTION A-A



EXPANSION JOINT DETAIL

DATE: JANUARY 25, 2005

CONCRETE SIDEWALK DETAIL

VILLAGE OF PLEASANT HILL

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NOTES

1. THE VILLAGE MUST BE NOTIFIED BEFORE ANYONE CAN PERFORM ANY WORK ON OR WITHIN A PUBLIC RIGHT-OF-WAY. (STREET, ALLEY, ETC.). NOTIFICATION IS REQUIRED FOR ANY TUNNEL, SIDEWALK, OPENING OR EXCAVATION UNDER OR IN THE RIGHT-OF-WAY PUBLIC GROUNDS.
2. THE NOTIFICATION WILL BE COMPLETED BY THE PERSON OR FIRM PLANNING THE WORK WITHIN THE RIGHT-OF-WAY. ALL APPROVALS MUST BE OBTAINED BEFORE ANY WORK IS STARTED. 72 WORKING HOUR LEAD TIME IS RECOMMENDED.
3. THE APPLICANT SHALL HAVE SUFFICIENT BARRICADES, WARNING SIGNS, AND LIGHTS DURING THE ENTIRE PERIOD THAT THE WORK IS BEING PERFORMED AND SHALL ADHERE TO APPLICABLE SECTION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
4. ALL UTILITIES ARE REQUIRED TO OBTAIN APPROVAL.
5. THE EXISTING PAVEMENT SHALL BE NEATLY CUT PRIOR TO EXCAVATION. ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE JOB SITE. THE APPLICANT IS RESPONSIBLE FOR ALL PAVEMENT DAMAGED OUTSIDE THE TRENCH AREA.
6. BACKFILLING SHALL BE IN ACCORDANCE WITH VILLAGE'S SPECIFICATIONS.
7. ALL EXCAVATIONS OR TRENCH EDGES UNDER OR WITHIN 5' OF PROPOSED OR EXISTING PAVEMENT, CURB, DRIVEWAYS, ALLEYS, STONE AREAS OR WALKS SHALL EITHER BE BACKFILLED WITH LOW STRENGTH MORTIAR BACKFILL ODOT ITEM 613, TYPE 1 ONLY OR BACKFILLED WITH ODOT 603 TYPE 1 OR TYPE 2 GRANULAR MATERIAL, COMPACTED IN 6" LAYERS. A DENSITY TEST OF 98% OF ASTM D698 STANDARD PROCTOR CURVE MAY BE REQUIRED TO BE PERFORMED BY A COMMERCIAL TESTING LAB SATISFACTORY TO THE VILLAGE.
8. ALL EXCAVATION OR TRENCH EDGES NOT UNDER OR WITHIN 5' OF PROPOSED OR EXISTING PAVEMENT, CURB, DRIVEWAYS, ALLEYS, STONE AREAS OR WALKS CAN BE COMPACTED EXISTING NATIVE MATERIAL IN 12" MAXIMUM LIFTS OR AS APPROVED BY THE VILLAGE.

9. ALL DISTURBED AREAS MUST BE RETURNED TO AS GOOD OR BETTER CONDITION. ALL REPAIRS MUST MEET VILLAGE SPECIFICATIONS. THE VILLAGE MUST INSPECT AND APPROVE ALL REPAIRS.
10. EFFORTS SHALL BE MADE TO MINIMIZE ALL DISTURBANCE TO TREES OR THIN ROOTS. EXTENSIVE EXCAVATION CAUSING DAMAGE TO TREES WILL RESULT IN THE REMOVAL AND REPLACEMENT OF, BY THE CONTRACTOR. THE REPLACEMENT SHALL BE AS PER THE VILLAGE.
11. FOR CLOSURE OF ARTERIALS OR BUSY COLLECTORS THE VILLAGE RESERVES THE OPPORTUNITY TO DIRECT CONTRACTOR TO CLOSE STREET DURING OFF-PEAK TRAFFIC HOURS. CLOSURE MAY OCCUR AT NIGHT OR ON WEEKENDS. CONTRACTOR SHALL PROVIDE ALL TRAFFIC CONTROL ASSOCIATED WITH ROAD CLOSURE.
12. AN ASPHALT EMULSION, OR CRACK SEALANT, WITH ASPHALT GRADE SS-1 OR CSS-S SHALL BE APPLIED TO THE PERIMETER OF ALL PAVEMENT CUTS AFTER RESTORATION IS COMPLETED.
13. PAVEMENT THICKNESS TO BE RESTORED SHALL BE ACCORDING TO VILLAGE STANDARDS OR EQUAL TO THE EXISTING THICKNESS, WHICHEVER IS GREATER.
14. IN THE EVENT THAT AFTER NOTIFICATION FROM THE VILLAGE, THE CONTRACTOR FAILS TO CORRECT PROBLEMS ASSOCIATED WITH POOR TRENCH MAINTENANCE, THE VILLAGE RESERVES EXCLUSIVE RIGHT TO CORRECT TRENCH PROBLEMS AND BILL THE ASSOCIATED COSTS.

DATE: JANUARY 25, 2005

PUBLIC RIGHT-OF-WAY OPENING AND EXCAVATION

VILLAGE OF PLEASANT HILL

PAGE No. 300-13

GENERAL

1. FAILURE TO COMPLY WITH THE CONSTRUCTION STANDARDS AND DRAWINGS AND DESIGN CRITERIA MAY BE CONSIDERED A VIOLATION OF THE VILLAGE'S BUILDING CODE OR SUBDIVISION REGULATIONS. PENALTIES MAY BE ASSESSED ACCORDING TO THE SEVERITY OF THE VIOLATION.
2. ALL STREET CONSTRUCTION SHALL BE IN ACCORDANCE WITH ODOT SPECIFICATIONS, LATEST REVISION.
3. NONPUBLIC CONSTRUCTION IMPROVEMENTS AFFECTING THE EXISTING CONDITION, PERFORMANCE AND LIFE CYCLE OF VILLAGE STREETS, ALLEYS, OR RIGHT-OF-WAY SHALL BE RESTORED TO THE REQUIREMENTS AND SATISFACTION OF THE VILLAGE ADMINISTRATOR. ALL VILLAGE INFRASTRUCTURE SHALL BE ADEQUATELY RESTORED ACCORDING TO APPLICABLE STANDARDS AND DETAILS.
4. ALL NEW SUBDIVISIONS AND DEVELOPMENTS SHALL BE PROVIDED WITH PUBLIC SIDEWALKS ON BOTH SIDES OF STREETS IN ACCORDANCE WITH VILLAGE STANDARDS.
5. CURB CUTS FOR ALL NEW AND RECONSTRUCTED DRIVEWAYS SHALL CONFORM TO VILLAGE STANDARDS. ALL NEW DRIVEWAY APPROACHES SHALL BE CONSTRUCTED OF OR CONCRETE AND SUBJECT TO ALL VILLAGE REQUIREMENTS.
6. NO VILLAGE STREET'S OR ALLEY'S SHALL BE CLOSED UNLESS THE VILLAGE IS NOTIFIED A MINIMUM OF 48 HOURS IN ADVANCE OF A NON-EMERGENCY SITUATION. ADVANCED PUBLIC NOTIFICATION AND PUBLISHING SHALL BE A MINIMUM OF 24 HOURS.

PAVEMENT REPLACEMENT

1. IF SPECIFIED BY THE VILLAGE, IMMEDIATELY AFTER PLACEMENT OF BACKFILL IN EXISTING STREETS, A TEMPORARY PAVEMENT SHALL BE INSTALLED AND THE STREET OPENED. TEMPORARY PAVEMENT SHALL CONSIST OF 8" OF COMPACTED ODOT SPECIFICATION 411 OR 304. THE SURFACE SHALL BE MAINTAINED FLUSH WITH THE EXISTING STREET.
2. PERMANENT PAVEMENT REPLACEMENT SHALL EQUAL OR EXCEED THE EXISTING PAVEMENT AND PREPARED BY THE VILLAGE.

3. ANY SETTLEMENT OF A TRENCH CAUSING A DEPRESSION SHALL BE REFILLED AS REQUIRED BY THE VILLAGE AT THE CONTRACTOR'S EXPENSE. THIS PROVISION APPLIES FOR A ONE-YEAR PERIOD AFTER WORK IS ACCEPTED BY THE VILLAGE.
4. ALL TEMPORARY PAVEMENT AND SIDEWALK SHALL BE MAINTAINED BY THE CONTRACTOR OR DEVELOPER AT HIS OWN EXPENSE IN A SUITABLE AND SAFE CONDITION FOR TRAFFIC UNTIL PERMANENT REPLACEMENT IS MADE OR THE PROJECT IS FINALLY ACCEPTED BY THE VILLAGE.

TRAFFIC CONTROL

1. THE CONTRACTOR SHALL MAINTAIN TRAFFIC CONTROL AT ALL TIMES WITH THE PROPER BARRICADES AS PER THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THESE CONTROL DEVICES SHALL BE IN PLACE PRIOR TO ANY WORK COMMENCING. CONTRACTOR WILL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL ITEMS.
2. TRAFFIC SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE VILLAGE.

CURB STAKING AND ROADWAY

1. LINE AND GRADE EVERY 50' ON A CONVENIENT OFFSET WITH TACKED HUBS.

PAVEMENT (ASPHALT)

1. THE CONTRACTOR SHALL PROVIDE THE VILLAGE WITH A COPY OF THE JOB MIX FORMULA FOR EACH PLANT THAT PROVIDES HOT MIXED ASPHALT TO THIS PROJECT. ALL MIXES SHALL FOLLOW ODOT JOB MIX FORMULA.
2. THREE-WHEEL STEEL ROLLER SHALL BE USED FOR INITIAL BREAKDOWN ON ALL PROJECTS.
3. ALL WORK SHALL ADHERE TO ODOT'S LATEST REVISIONS AND TO THE VILLAGE SPECIFICATIONS WHICHEVER IS MORE STRINGENT SHALL PREVAIL UNLESS OTHERWISE APPROVED.

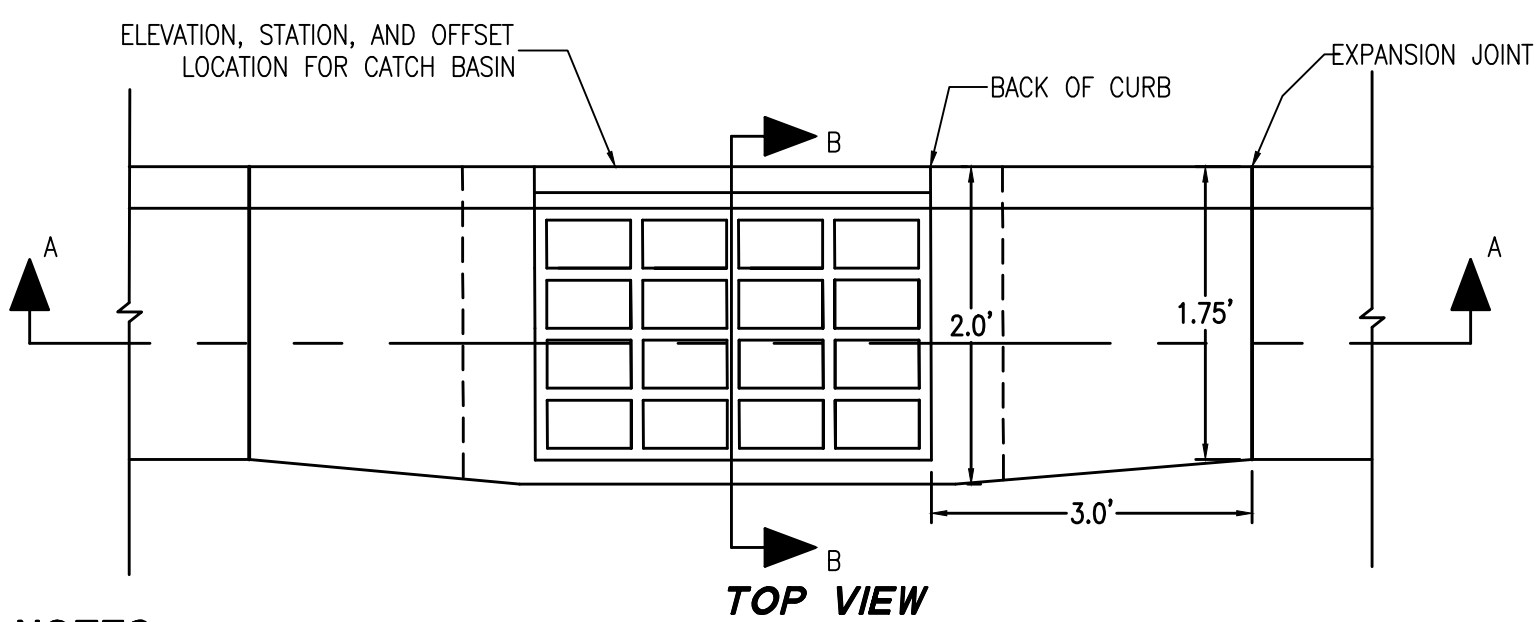
4. PATCHED AREAS SHALL BE SEALED ON THE PERIMETER OF THE PATCH WITH ASPHALT CEMENT.
5. ALL UTILITY ADJUSTMENTS, MANHOLE, WATER VALVES, ETC., SHALL BE RAISED TO FINISHED GRADE BEFORE THE FINAL ASPHALT COURSE IS LAID.
6. ASPHALT CEMENT SHALL BE USED NEXT TO THE LIP OF GUTTER PRIOR TO THE FINAL ASPHALT LIFT BEING PLACED.
7. TACK COAT SHALL BE APPLIED PRIOR TO THE PLACEMENT OF THE FINAL LIFT OF ASPHALT IF THE EXISTING ASPHALT LIFT IS DIRTY OR AFTER TEN DAYS UNLESS OTHERWISE APPROVED. TEMPERATURE MUST BE 50°F OR HIGHER.
8. NO ASPHALT SHALL BE PLACED OVER EXCAVATED TRENCHES UNLESS TRENCHES HAVE BEEN COMPACTED.
9. NO ASPHALT SHALL BE LAID UNLESS THE VILLAGE IS GIVEN PRIOR NOTICE AND THE AMBIENT TEMPERATURE IS 50°F OR GREATER UNLESS OTHERWISE APPROVED.
10. FINAL LIFT OF ASPHALT SHALL BE FINISHED TO 1/4" ABOVE THE LIP OF GUTTER.
11. TEMPERATURES FOR BREAKDOWN ROLLING SHALL BE 260°F PLUS 15°F AND FOR FINAL ROLLING 175°F PLUS 15°F.
12. ASPHALT CEMENT SHALL BE USED ON ALL JOINTS AND FEATHERED SURFACES PRIOR TO PLACEMENT OF THE NEXT COURSE OF ASPHALT TO THE ABUTTING JOINT, UNLESS OTHERWISE APPROVED.
13. 325°F IS THE MAXIMUM TEMPERATURE ASPHALT MATERIAL IS TO BE MIXED.
14. ALL EDGES TO BE TRIMMED BACK AND SAWCUT TO SOLID MATERIAL AND BE STRAIGHT AND NEAT AS PER THE VILLAGE'S INSTRUCTIONS.

DATE: JANUARY 25, 2005

MISCELLANEOUS ROADWAY NOTES

VILLAGE OF PLEASANT HILL

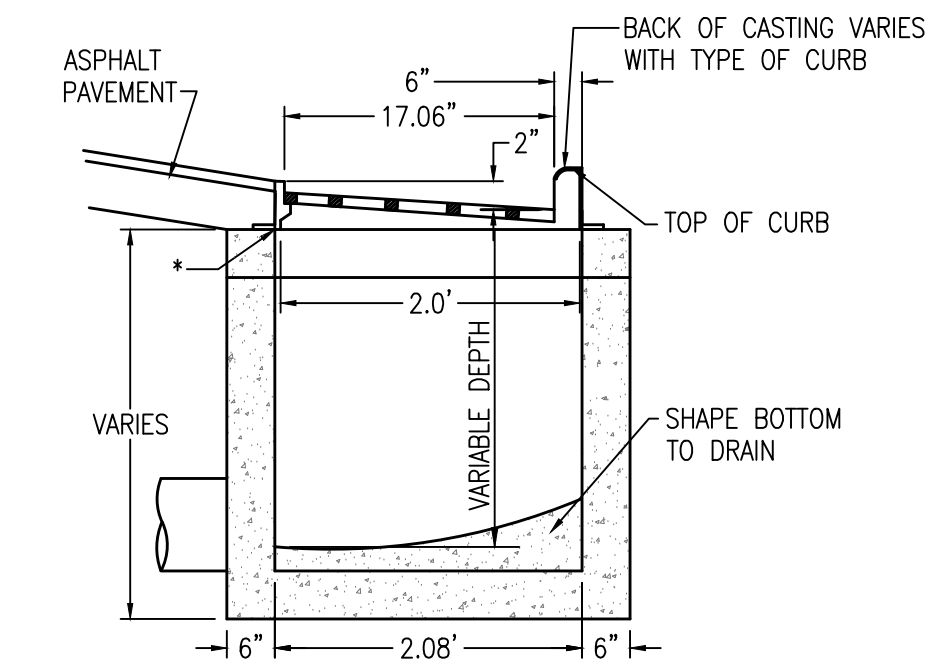
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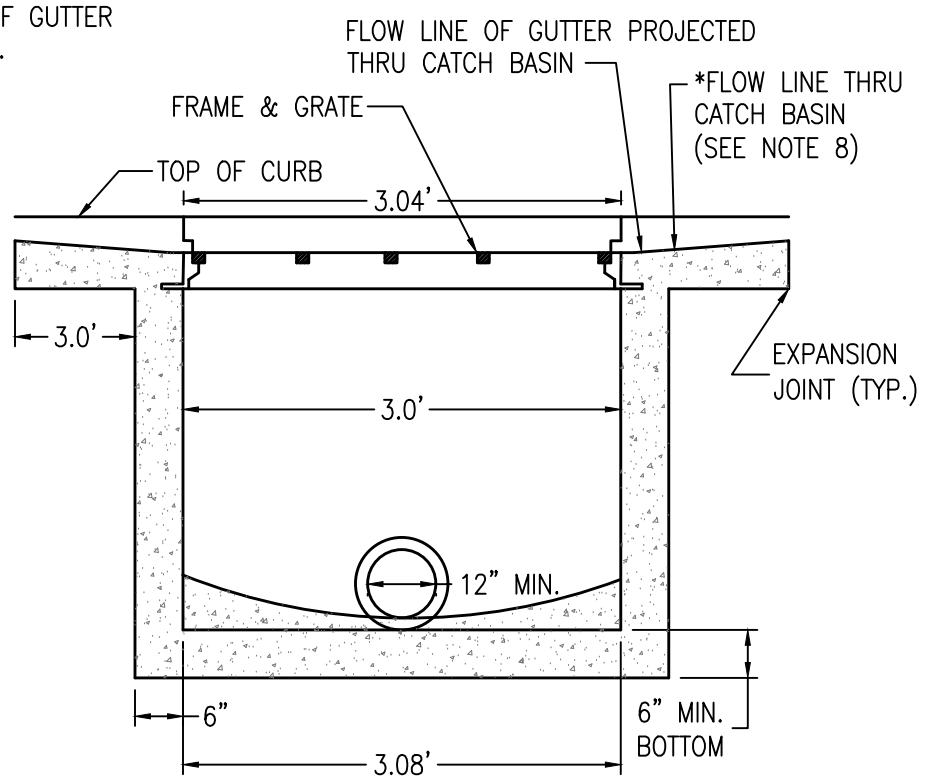
NOTES

1. CASTING SHALL BE EAST JORDAN 7030 OR NEENAH R-3246 OR EQUIVALENT.
2. FOR TYPE 2 COMBINATION CURB AND GUTTER, THE BACK SHALL BE EAST JORDAN TYPE T4 OR NEENAH (3" RADIUS) (R-3246-1).
3. FOR ROLL CURB AND GUTTER USE EAST JORDAN 7495 W/TYPE M1/M2 GRATE OR NEENAH R-3501-TR/TL OR EQUIVALENT.
4. CATCH BASIN IN DRIVE APPROACHES (TO BE AVOIDED, IF POSSIBLE) THE BACKS SHALL BE EAST JORDAN TYPE T3 OR NEENAH (R-3246-A) WITH CURB PLATE.
5. STANDARD GRATE SHALL BE EAST JORDAN TYPE M2, NEENAH TYPE C, OR EQUIVALENT. ALL BAR EDGES TO BE ROUNDED 1/8" RADIUS.
6. CONCRETE, CAST-IN-PLACE, TO BE CLASS C. PRECAST CONSTRUCTION PERMITTED AND CONCRETE SHALL MEET THE REQUIREMENTS OF 706.13 WITH 6±+2% AIR VOID CONTENT IN THE HARDENED CONCRETE. KNOCKOUTS MAY BE PROVIDED IN PRECAST CONSTRUCTION. PRECAST WALLS SHALL HAVE A SUFFICIENT AMOUNT OF REINFORCEMENT TO PERMIT SHIPPING AND PLACEMENT WITHOUT DAMAGE.
7. CARE SHALL BE TAKEN WHEN CONNECTING TO AN EXISTING CATCH BASIN TO KEEP OPENING AS MINIMAL AS POSSIBLE, SAW CUT OR USE ROTARY HAMMER FOR OPENING TO MINIMIZE DAMAGE TO CATCH BASIN. PIPE TO INTRUDE INTO CATCH BASIN 1" ONLY AND PIPE MUST BE CUT PARALLEL TO CATCH BASIN. USE NONSHRINK GROUT AROUND PIPE TO SEAL BETWEEN PIPE AND CATCH BASIN.
8. DROP FLOW LINE 1/2" WITHIN BLOCK OUT OF COMBINED CURB AND GUTTER WHILE KEEPING LIP OF GUTTER CONSISTENT WITH TOP OF CURB.
9. KNOCK-OUT CATCH BASINS ARE PERMITTED.
10. WIDER CATCH BASINS MAY BE REQUIRED TO ACCOMMODATE ALL PIPE SIZES.

*NOTE:
SHIMMING OF CATCH BASIN
FRAME MAYBE REQUIRED TO
KEEP LIP OF GUTTER
CONSISTENT.



SECTION B-B



SECTION A-A

DATE: JANUARY 25, 2005

CURB INLET DETAIL

VILLAGE OF PLEASANT HILL

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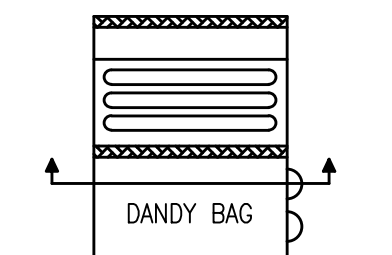
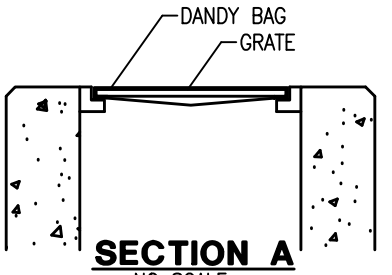
WILLIAMS, NORTH, & LIBERTY STREET IMPROVEMENTS

VILLAGE OF PLEASANT HILL
MIAMI COUNTY, OHIO

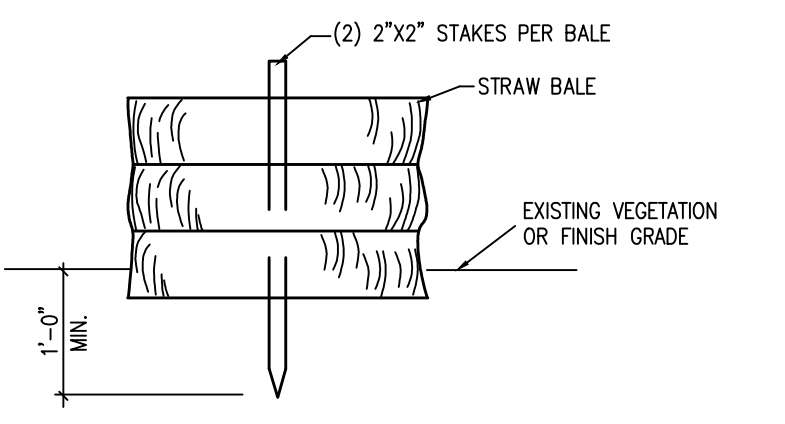
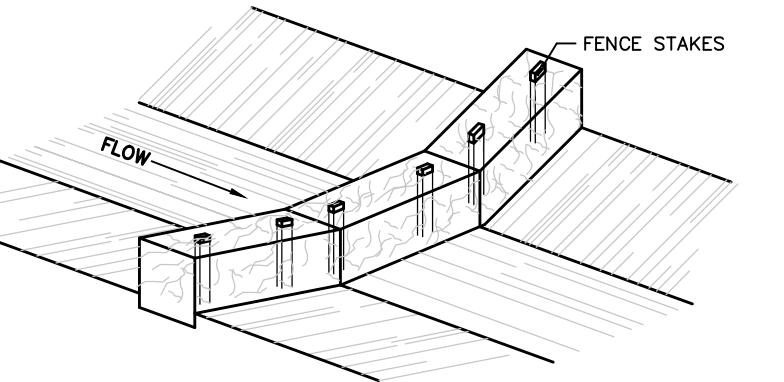
DETAILS

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SEDIMENT & EROSION CONTROL GENERAL NOTES THE CONTRACTOR SHALL IMPLEMENT SOIL EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION TO MEET THE STANDARDS AND SPECIFICATIONS OF THE STATE OF OHIO AND THEY ARE TO REMAIN IN EFFECT UNTIL AREAS ARE PERMANENTLY STABILIZED. THE CONTRACTOR SHALL PLACE STRAW BALES OR SILT FENCE IN CONJUNCTION WITH DANDY BAGS OVER GRATES FOR EROSION CONTROL IMMEDIATELY AFTER CONSTRUCTION OF CATCH BASINS. THE CONTRACTOR SHALL MAKE DAILY INSPECTIONS OF THE SITE TO INSURE EFFECTIVENESS OF EROSION AND SEDIMENTATION CONTROL MEASURES AND WILL IMMEDIATELY MAKE NECESSARY REPAIRS IN ACCORDANCE WITH THE MAINTENANCE SCHEDULE SHOWN ON THIS PLAN. IT MAY BECOME NECESSARY TO REMOVE PORTIONS OF THE BARRIER DURING CONSTRUCTION TO FACILITATE THE GRADING OPERATIONS IN CERTAIN AREAS. HOWEVER, THE BARRIER SHALL BE IN PLACE IN THE EVENING OR DURING ANY INCLEMENT WEATHER. EROSION AND ANY SEDIMENTATION FROM THE WORK ON THIS SITE SHALL BE CONTAINED ON THE SITE AND NOT ALLOWED TO COLLECT IN ANY OFF-SITE DRAINAGE COURSE, WHETHER NATURAL OR MAN-MADE. ALL EARTH CHANGES SHALL BE CONSTRUCTED AND COMPLETED IN SUCH A MANNER TO LIMIT THE EXPOSED AREA OF ANY DISTURBED LAND FOR THE SHORTEST PERIOD OF TIME. ALL CONSTRUCTION TRAFFIC SHALL ENTER AND LEAVE BY THE DESIGNATED ENTRANCE. THIS ENTRANCE SHALL BE CONSTRUCTED OF CRUSHED STONE TO HELP FREE TIRES OF SOIL WHEN LEAVING THE SITE. THE CONTRACTOR SHALL INSTRUCT ALL VEHICLES TO CLEAN SOIL, MISCELLANEOUS DEBRIS, OR OTHER MATERIAL SPILLED, DUMPED OR OTHERWISE DEPOSITED ON PUBLIC STREETS, HIGHWAYS, SIDEWALKS OR OTHER PUBLIC THOROUGHFARES DURING TRANSIT TO AND FROM THE SITE. THE CONTRACTOR SHALL INSTALL TEMPORARY EROSION AND SEDIMENTATION DEVICES AS SHOWN AND REQUIRED BY THESE PLANS. THESE DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL PERMANENT STABILIZATION OF SLOPES, DITCHES AND OTHER EARTH CHANGES HAVE BEEN ACCOMPLISHED. CATCH BASINS LOCATED IN THE STREET OR NEAR THE SITE WILL BE PROTECTED TO PREVENT SEDIMENTATION FROM ENTERING FACILITY. THE COVERS SHALL BE CHECKED PERIODICALLY AND CLEANED WHENEVER THEY FAIL TO FILTER RUNOFF. WHERE APPLICABLE, THE DETENTION BASIN SHALL BE USED AS A TEMPORARY SEDIMENTATION BASIN. THE CONTRACTOR SHALL INSTALL A TEMPORARY PIPE SPILLWAY AT THE OUTLET. ALL SURFACE RUNOFF FROM THE PROJECT AREAS SHALL BE DIRECTED BY TEMPORARY DRAINAGE SWALES TO THE BASINS. AT THE COMPLETION OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED THE BASINS SHALL BE CAREFULLY DRAINED WITHOUT DISTURBING THE SETTLED SILT, AND THEN GRADED AND SODDED TO CONFORM TO THE SITE GRADING PLAN. THE LIMITS OF SEEDING AND MULCHING ARE AS SHOWN WITHIN THE PLAN. SEEDING HAS BEEN ASSUMED TO 5' OUTSIDE THE WORK LIMITS OR RIGHT-OF-WAY WHICHEVER IS GREATER. ALL AREAS NOT DESIGNATED TO BE SEEDD SHALL REMAIN UNDER NATURAL GROUND COVER. THOSE AREAS DISTURBED OUTSIDE THE SEEDING LIMITS SHALL BE SEEDD AND MULCHED AT THE CONTRACTOR'S EXPENSE.			
THE CONTRACTOR SHALL MAINTAIN A BUFFER STRIP AS DESIGNATED ON THE PLAN TO PREVENT SEDIMENT FROM LEAVING SITE. THIS STRIP SHALL BE MAINTAINED AT ALL TIMES AND NO SOIL SHALL BE PLACED ON THIS STRIP. ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO OR IN CONJUNCTION WITH, THE START OF EXCAVATION AND ARE TO REMAIN IN EFFECT UNTIL AREAS ARE STABILIZED. FIELD ADJUSTMENTS WITH RESPECT TO LOCATION AND DIMENSIONS MAY BE MADE BY THE ENGINEER AS REQUIRED. FILTER BARRIERS CONSIST OF EITHER STRAW BALE FILTERS OR FILTER FABRIC AS SHOWN HEREIN.			
MAINTENANCE STRAW BALE AND OR SILT FENCE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, SILT FENCE, END RUNS, AND UNDERCUTTING BENEATH BALES OR SILT FENCE. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY. SEDIMENT DEPOSIT SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE STRAW BALE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDD.			
SEQUENCE OF SEDIMENT & EROSION CONTROL OPERATIONS A) STRIP TOPSOIL AND UNUSABLE MATERIAL. B) INSTALL GRAVEL ACCESS DRIVE AND PERIMETER FILTER (TOPSOIL BERM AND/OR FILTER BARRIER). C) INSTALL SANITARY SEWER AND WATERMAIN. D) CONSTRUCT STORM DRAIN. DURING CONSTRUCTION OF STORM DRAINS THE ENDS OF ALL OPEN PIPES SHALL BE PROTECTED BY FILTER BARRIERS OR OTHER APPROVED MEANS. E) CONSTRUCTION FOUNDATIONS, ERECT STRUCTURES AND APPURTENANCES. F) EXECUTIVE GRADING AND FILLING OPERATIONS AROUND BUILDINGS AND IN YARD AREAS. G) EXCAVATE FOR PARKING AND ROADWAYS. IF PLACEMENT OF AGGREGATE BASE LACS BEHIND THE FINAL SUB-BASE GRADING BY MORE THAN FIVE DAYS, SUB-BASE SHALL BE SCARIFIED PERPENDICULAR TO THE SLOPE TO PREVENT EROSION. H) UPON COMPLETION OF PAVING, THE AREA AROUND PAVEMENT SHALL BE PROTECTED FROM EROSION BY AN APPROVED METHOD CONSISTENT WITH THE GROWING SEASON. I) ANY REMAINING EXPOSED AREAS SHALL BE SEEDD AND MULCHED OR SODDED WITHIN 30 DAYS OF FINAL GRADING.			
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MAINTENANCE SILT FENCES AND BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY. SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE PREPARED AND SEEDD.			
 TO BE USED ON ALL STRUCTURES  SECTION A NO SCALE			
INSTALLATION: STAND GRATE ON END, PLACE DANDY BAG, OVER GRATE, FLIP GRATE OVER SO THAT OPEN END IS UP, PULL UP SLACK, TUCK FLAP IN. BE SURE END OF GRATE IS COMPLETELY COVERED BY FLAP OR DANDY BAG WILL NOT FIT PROPERLY. HOLDING HANDLES, CAREFULLY PLACE DANDY BAG WITH GRATE INSERTED INTO CATCH BASIN FRAME SO THAT RED DOT ON THE TOP OF THE DANDY BAG IS VISIBLE. MAINTENANCE: AFTER SILT HAS DRIED, REMOVE IT FROM THE SURFACE OF DANDY BAG WITH BROOM.			
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SEDIMENT & EROSION CONTROL CRITERIA IN ORDER TO CONTROL SEDIMENT POLLUTION OF WATER RESOURCES THE OWNER OR PERSON RESPONSIBLE FOR THE DEVELOPMENT AREA SHALL USE CONSERVATION PLANNING AND PRACTICES TO MAINTAIN THE LEVEL OF CONSERVATION ESTABLISHED BY THE FOLLOWING STANDARDS: THING OF SEDIMENT-TAPPING PRACTICES. SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL THROUGHOUT EARTH-DISTURBING ACTIVITY. SETTLING FACILITIES, PERIMETER CONTROLS, AND OTHER PRACTICES INTENDED TO TRAP SEDIMENT SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING AND WITHIN SEVEN DAYS FROM THE START OF GRUBBING. THEY SHALL CONTINUE TO FUNCTION UNTIL THE UPSLOPE DEVELOPMENT AREA IS RESTABILIZED. STABILIZATION OF STRIPPED AREA. STRIPPED AREAS SHALL HAVE SOIL STABILIZATION APPLIED WITHIN SEVEN DAYS IF THEY ARE TO REMAIN DORMANT FOR MORE THAN FORTY-FIVE DAYS. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE, AND SHALL ALSO BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS WHICH MAY NOT BE AT FINAL GRADE, BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN FORTY-FIVE DAYS. SEDIMENT BARRIER. STREET FLOW RUNOFF FROM STRIPPED AREAS SHALL BE FILTERED OR DIVERTED TO A SETTLING FACILITY. STORM SEWER INLET PROTECTION. ALL STORM SEWER INLETS WHICH ACCEPT WATER RUNOFF FROM THE DEVELOPMENT AREA SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER WILL NOT ENTER THE STORM SEWER SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT, UNLESS THE STORM SEWER SYSTEM DRAINS TO A SETTLING FACILITY. WORKING IN OR CROSSING STREAMS: A. STREAMS INCLUDING BED AND BANKS SHALL BE DESTABILIZED IMMEDIATELY AFTER IN-CHANNEL WORK IS COMPLETED, INTERRUPTED, OR STOPPED. TO THE EXTENT PRACTICAL, CONSTRUCTION VEHICLES SHALL BE KEPT OUT OF STREAMS. WHERE IN CHANNEL WORK IS NECESSARY, PRECAUTIONS SHALL BE TAKEN TO STABILIZE THE WORK AREA DURING CONSTRUCTION TO MINIMIZE EROSION. B. IF A LIVE (WET) STREAM MUST BE CROSSED BY CONSTRUCTION VEHICLES REGULARLY DURING CONSTRUCTION, A TEMPORARY STREAM CROSSING SHALL BE PROVIDED. CONSTRUCTION ACCESS ROUTES. MEASURES SHALL BE TAKEN TO PREVENT SOIL TRANSPORT ONTO SURFACES WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, OR ONTO PUBLIC ROADS.			
SLOUGHING AND DUMPING: A. NO SOIL, ROCK, DEBRIS, OR ANY OTHER MATERIAL SHALL BE DUMPED OR PLACED INTO A WATER RESOURCE OR INTO SUCH PROXIMITY THAT IT MAY READILY SLOUGH, SLIP, OR ERODE INTO A WATER RESOURCE UNLESS SUCH DUMPING OR PLACING IS AUTHORIZED BY THE VILLAGE ADMINISTRATOR AND, WHEN APPLICABLE, THE U.S. ARMY CORPS OF ENGINEERS, FOR SUCH PURPOSES AS, BUT NOT LIMITED TO CONSTRUCTION BRIDGES, CULVERTS, AND EROSION CONTROL STRUCTURES. B. UNSTABLE SOILS PRONE TO SLIPPING OR LANDSLIDING SHALL NOT BE GRADED, EXCAVATED, FILLED OR HAVE LOADS IMPOSED UPON THEM UNLESS THE WORK IS DONE IN ACCORDANCE WITH A QUALIFIED PROFESSIONAL ENGINEER'S RECOMMENDATIONS TO CORRECT, ELIMINATE, OR ADEQUATELY ADDRESS THE PROBLEMS. CUT AND FILL SLOPES. CUT AND FILL SLOPES SHALL BE CONSTRUCTED IN A MANNER WHICH WILL MINIMIZE EROSION. CONSIDERATION SHALL BE GIVEN TO THE LENGTH AND STEEPNESS OF THE SLOPE, SOIL TYPE, UPSLOPE DRAINAGE AREA, GROUNDWATER CONDITIONS, AND SLOPE STABILIZATION. STABILIZATION OF OUTFALLS AND CHANNELS. OUTFALLS AND CONSTRUCTION OF MODIFIED CHANNELS SHALL BE DESIGNED AND CONSTRUCTED TO WITHSTAND THE EXPECTED VELOCITY OF FLOW FROM A POST-DEVELOPMENT, TEN-YEAR FREQUENCY STORM WITHOUT ERODING. ESTABLISHMENT OF PERMANENT VEGETATION. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL GROUND COVER IS ACHIEVED WHICH, IN THE OPINION OF THE APPROVING AGENCY, PROVIDES ADEQUATE COVER AND IS MATURE ENOUGH TO CONTROL SOIL EROSION SATISFACTORILY AND TO SURVIVE ADVERSE WEATHER CONDITIONS. DISPOSITION OF TEMPORARY PRACTICES. ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE DISPOSED OF WITHIN THIRTY DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY PRACTICES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE APPROVING AGENCY. TRAPPED SEDIMENT SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION. MAINTENANCE. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE DESIGNED AND CONSTRUCTED TO MINIMIZE MAINTENANCE REQUIREMENTS. THEY SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. THE PERSON OR ENTITY RESPONSIBLE FOR THE CONTINUED MAINTENANCE OF PERMANENT EROSION CONTROLS SHALL BE IDENTIFIED TO THE SATISFACTION OF THE PLAN-APPROVING AUTHORITY AND IDENTIFIED BY THE SUBDIVIDER'S AGREEMENT. THE COST FOR TEMPORARY CHANNELS, SEDIMENT DAMS AND OTHER APPURTENANT EARTH MOVING OPERATIONS SHALL BE INCLUDED IN THE PRICE BID FOR EARTHWORK.			
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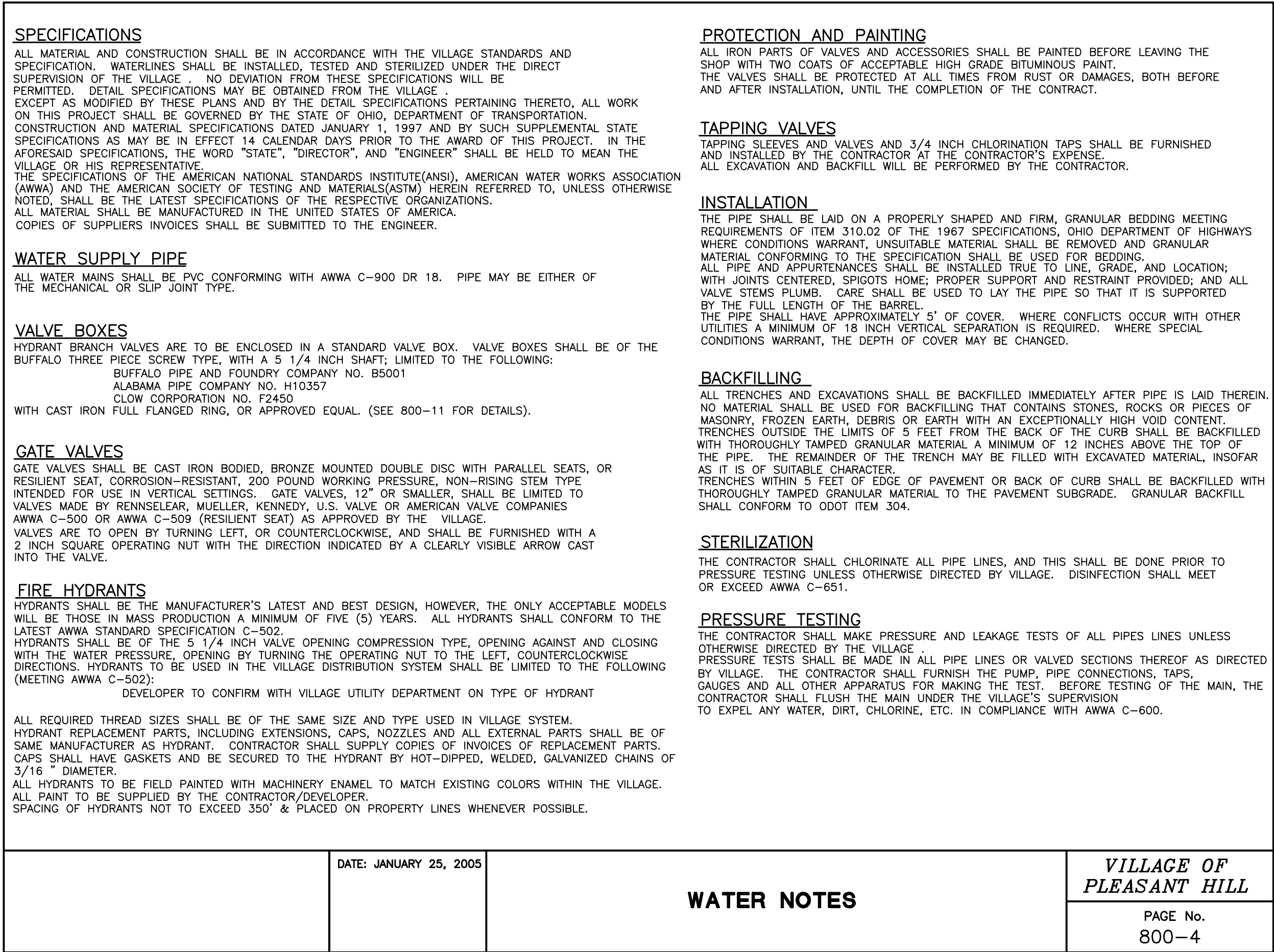
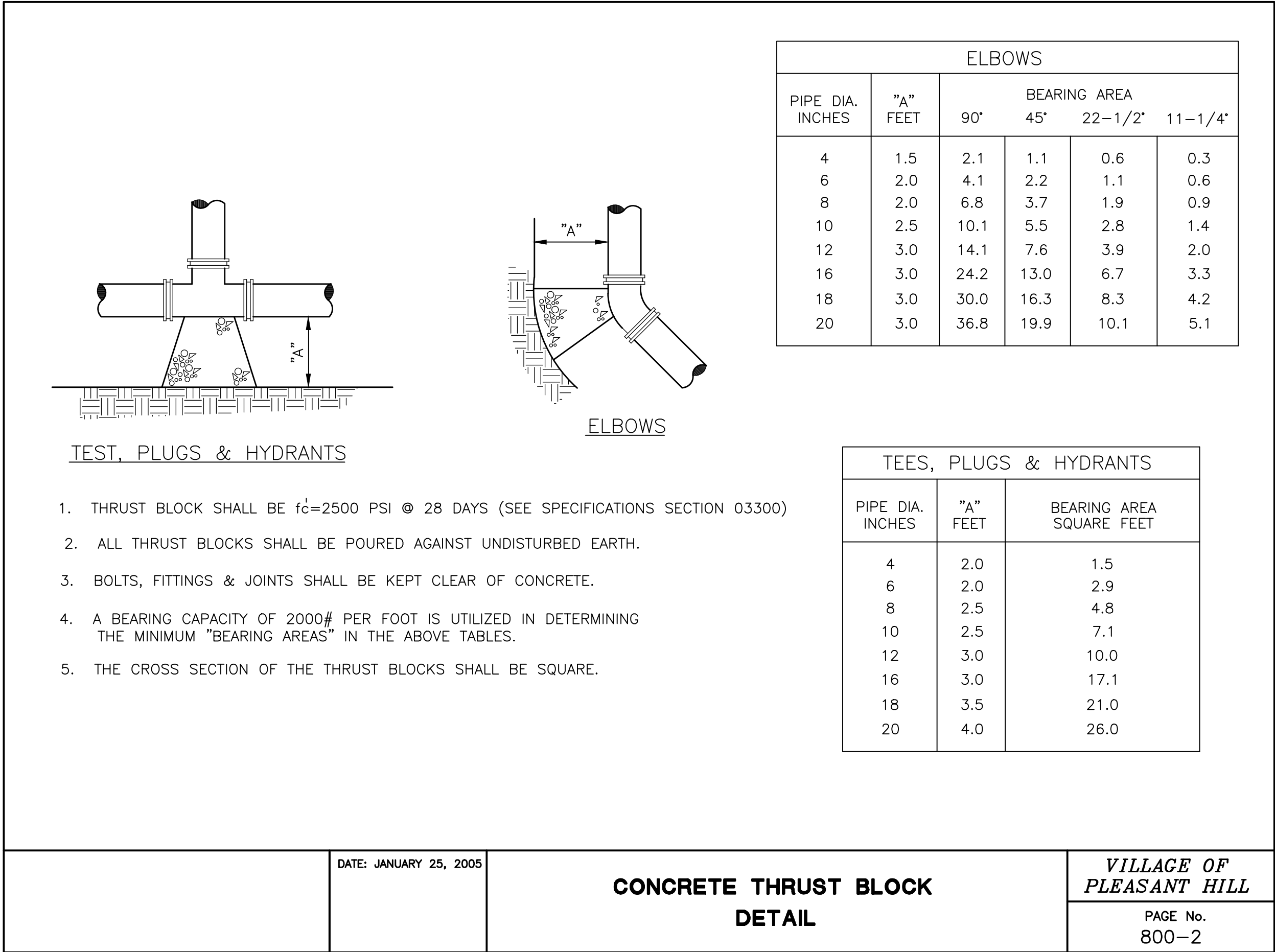
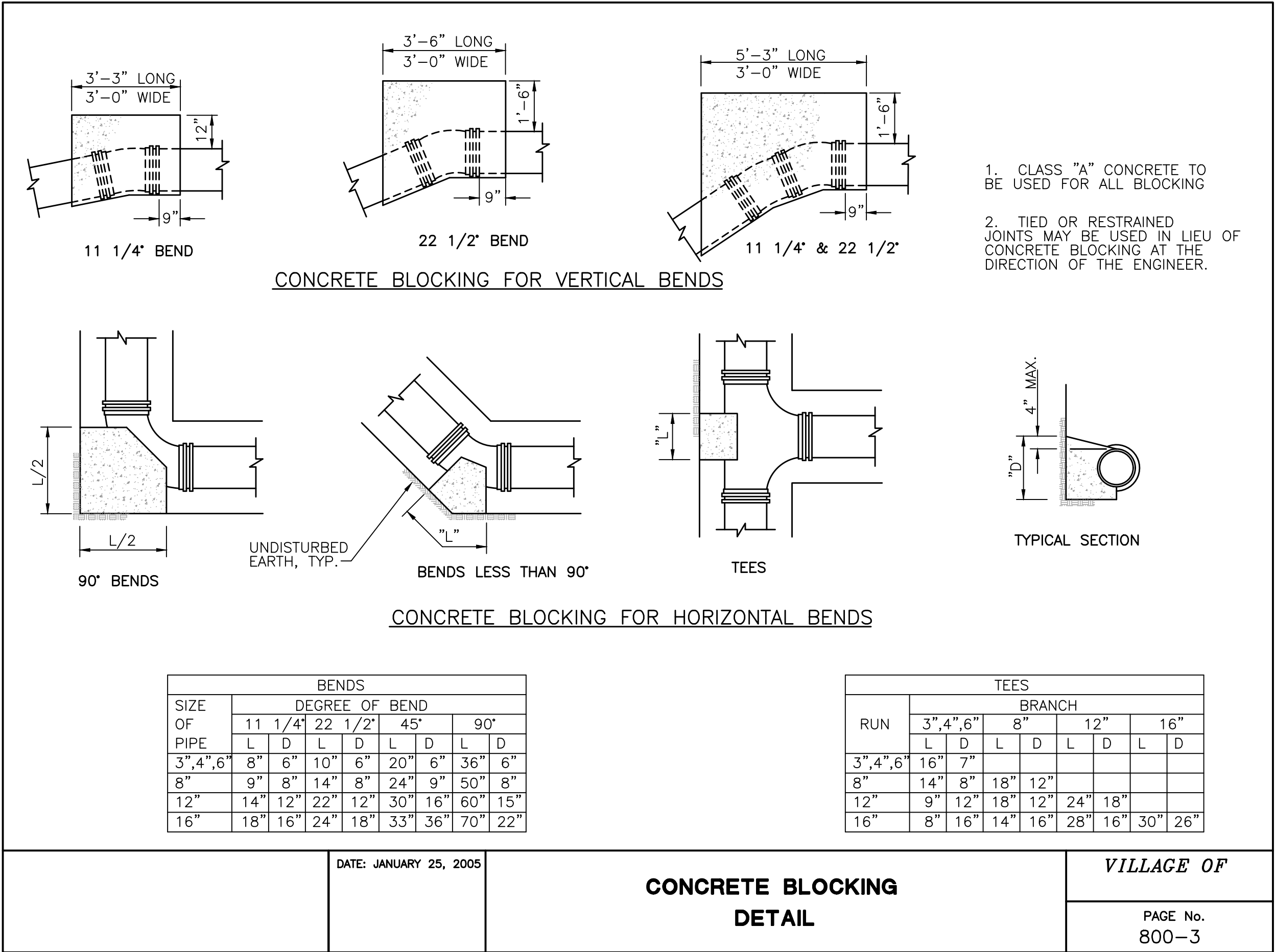
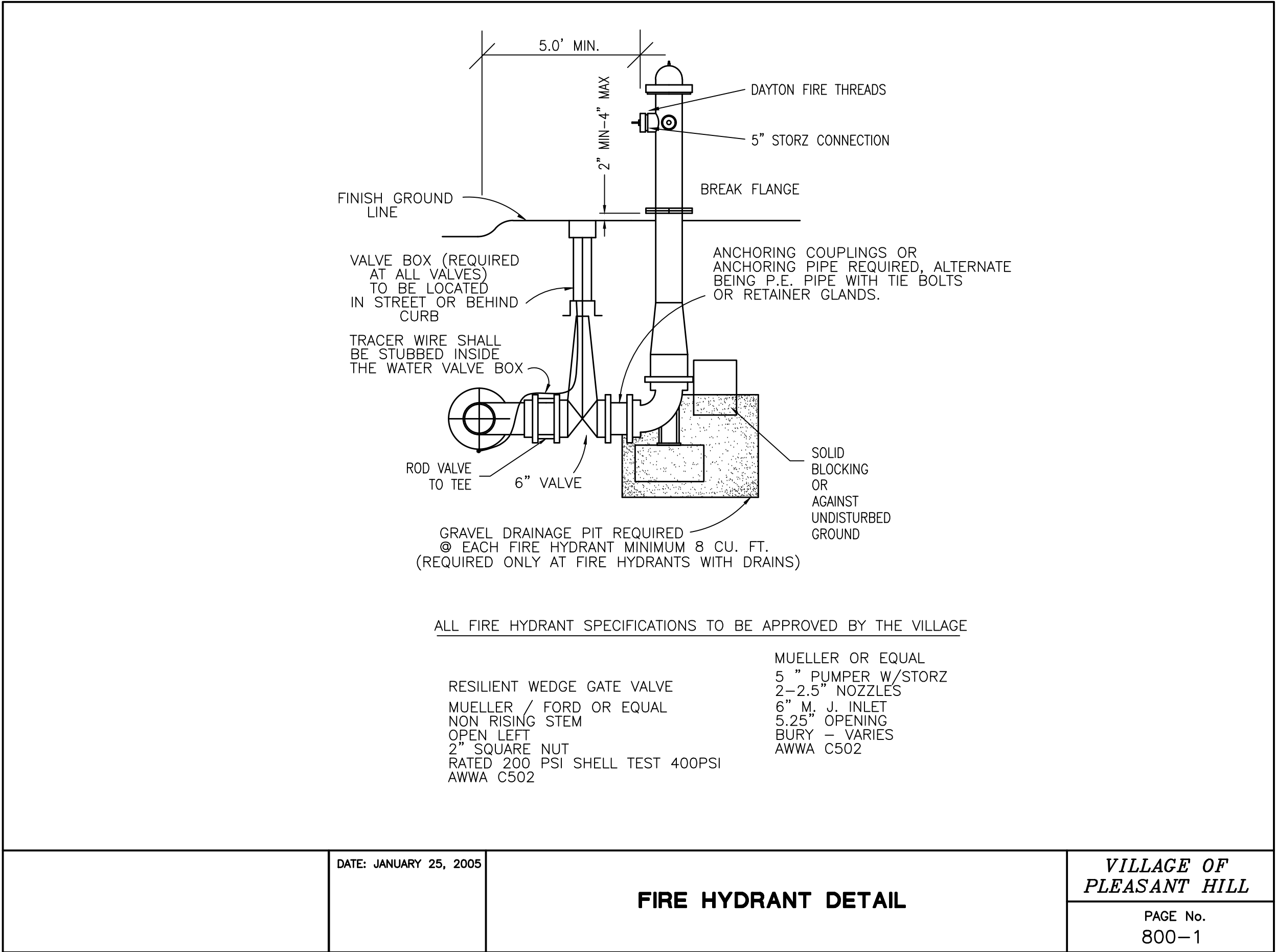
 THE NUMBER OF SIDES OF THE FILTER MAY VARY DEPENDING UPON THE LOCATION AND TYPE OF INTAKE STRUCTURE. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED TO INSURE THAT THE STRAW BALE FILTER AT INLETS OPERATES EFFICIENTLY. TYP. DETAIL AROUND ALL INLETS. ALL INLETS ARE TO BE WRAPPED IN SAME MATERIAL AS IS USED TO CONSTRUCT SILT FENCE.			
 NOTE: STRAW BALES SHALL BE PLACED AND MAINTAINED IN SWALE SO TO PREVENT SILT AND DEBRIS FROM ENTERING INTO DOWNSTREAM DRAINAGE FACILITIES DURING CONSTRUCTION. THEY SHALL REMAIN IN PLACE UNTIL ADEQUATE VEGETATION IS ESTABLISHED WITHIN THE SITE. SUCH STRAW BALES SHALL BE FIRMLY SECURED TO THE GROUND WITH FENCE STAKES.			
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WILLIAMS, NORTH, & LIBERTY
STREET IMPROVEMENTS

VILLAGE OF PLEASANT HILL
MIAMI COUNTY, OHIO

 www.accessengllc.com 419-586-1430		PROJECT NO.: C25019.1A DATE: SEPTEMBER 2026		DRAWN BY: AMS CHECKED BY: BMM
DETAILS		REV NO REV DATE REVISION COMMENTS	9 / 25	

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CONSTRUCTION STAKING

CONSTRUCTION STAKING FOR WATERLINES SHALL BE PERFORMED BY A LICENSED SURVEYOR AT CONTRACTOR EXPENSE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROJECT AND PRESERVE THE CONSTRUCTION STAKES AND TO VERIFY THEIR CORRECTNESS PRIOR TO LAYING PIPE. SUBDIVISION CONTROL POINTS WILL BE SET BY THE CONSULTING ENGINEER.

EXISTING SURVEY POINTS

SURVEY MONUMENTS, BENCH MARKS AND EXISTING POINTS DAMAGED OR DISTURBED BY CONSTRUCTION SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE. SHOULD THE CONTRACTOR FAIL TO PROPERLY REPLACE THESE POINTS, THE VILLAGE ENGINEER SHALL REPLACE THEM AT THE CONTRACTOR'S EXPENSE AFTER THREE WEEKS NOTICE.

SAFETY REQUIREMENTS

THE CONTRACTOR SHALL AT ALL TIMES FOLLOW ALL STATE AND LOCAL SAFETY REQUIREMENTS DURING CONSTRUCTION OF THIS PROJECT. SPECIAL CARE SHALL BE TAKEN DURING ALL TRENCHING OPERATIONS. SHEETING AND BRACING, CRIBBING, ETC., MUST BE INSTALLED AS REQUIRED BY THE ENGINEER TO PROVIDE MAXIMUM SAFETY TO THE CONTRACTOR'S WORKERS IN FULL COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS.

INSURANCE

NO CONTRACTOR OR SUBCONTRACTOR SHALL START ANY WORK UNTIL THE APPROVED CERTIFICATE OF LIABILITY INSURANCE IS FILED WITH VILLAGE NAMING VILLAGE AS THE INSURED.

OHIO E.P.A. REQUIREMENTS

THE OHIO ENVIRONMENTAL PROTECTION AGENCY REQUIRES A CONFORMANCE TO THE 1991 EDITION OF "RECOMMENDED STANDARDS". THIS STANDARD SHALL BE EQUALLED OR EXCEEDED FOR WATERLINES. SPECIAL ATTENTION SHALL BE GIVEN TO THE FOLLOWING SECTIONS OF PART 6:
8.0.1. MATERIAL CONFORM TO AWWA STANDARDS
8.1.2. MINIMUM 6" DIAMETER FIRE PROTECTION
8.5.3. MINIMUM 5' GROUND COVER
8.5.5. PRESSURE TESTING AWWA C-600*
8.5.6. DISINFECTION AWWA C-651*
8.6.2. 10' HORIZONTAL SEPARATION WATER MAIN/SEWER
8.6.3. 18" VERTICAL SEPARATION WATER MAIN/SEWER
8.6.6. NO ENTRY AND/OR CONTACT WITH SEWER MANHOLE

NOTE: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM THIS TEST PROPERLY AND THE RESPONSIBILITY FOR AN ADEQUATE SUPERVISION AND APPROVAL RESTS WITH THE APPROPRIATE GOVERNMENTAL AGENCY. ANY DEVIATION FROM THE ABOVE WILL NOT BE PERMITTED UNLESS SPECIFICALLY INCLUDED IN THE GENERAL NOTES OR OTHERWISE SHOWN ON THESE PLANS. IN CASES WHERE ONE AND/OR MORE OF THE ABOVE MENTIONED OHIO E.P.A. STANDARDS FALL SHORT OF THE VILLAGE STANDARDS, THE LATTER SHALL GOVERN.

OBSTRUCTIONS IN RIGHT-OF-WAY

THE CONTRACTOR SHALL NOT REMOVE ANY MAIL BOXES, PAPER BOXES, PRIVATE LIGHT POSTS, SIGNS, UTILITY MARKERS, TREES, SHRUBBERY, FENCE, GUARDRAIL OR OTHER OBSTRUCTIONS WITHOUT THE PRIOR APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL NOTIFY ALL PROPERTY OWNERS AND REQUEST THAT THE PROPERTY OWNER REMOVE FENCES, SHRUBS, BUSHES, LIGHT-POSTS, PRIVATE SIGNS AND ORNAMENTAL LANDSCAPING WHICH INCLUDES BUT IS NOT LIMITED TO RAILROAD TIES, STATUES, BRICK OR STONE, WASH STONE, WOOD CHIPS, ETC. FROM THE PUBLIC RIGHT-OF-WAY.
IF THE OWNER OF SAID OBSTRUCTION DOES NOT REMOVE OR RELOCATE SAID OBSTRUCTION WITHIN A REASONABLE TIME (10 DAYS MAXIMUM) THE CONTRACTOR SHALL REMOVE THE OBSTRUCTION AND PLACE IT AT THE DIRECTION OF THE ENGINEER. IF MAILBOXES CANNOT BE IMMEDIATELY REPLACED, THE CONTRACTOR SHALL PROVIDE FOR TEMPORARY MAIL SERVICE. PAYMENT FOR THIS WORK SHALL BE INCLUDED WITH THE UNIT PRICE BID FOR THE PERTINENT CONDUIT ITEM.

PERMIT REQUIREMENTS

THE CONTRACTOR SHALL OBTAIN ALL REQUIRED WORK PERMITS. COPIES OF PERMITS SHALL BE SUBMITTED TO THE VILLAGE PRIOR TO CONSTRUCTION.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT, AND AGAIN BEFORE FINAL ACCEPTANCE BY THE VILLAGE, AND THE CONTRACTOR SHALL MAKE AN INSPECTION OF THE EXISTING SEWERS WITHIN THE PROJECT 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 VILLAGE. 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 ACCEPTABLE BY THE VILLAGE. 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 VILLAGE. PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE PERTINENT CONDUIT ITEMS OF THE CONTRACT.

STORM SEWER REPLACEMENT

ANY STORM SEWER REPLACEMENT IS TO BE EITHER ITEM 706.02, REINFORCED CONCRETE CIRCULAR PIPE WITH "O" RING JOINTS, ITEM 706.11 OR POLYVINYL (PVC) A.S.T.M. D-3034, SRD 35.

RESTRAINED JOINTS

RESTRAINED LENGTHS FOR BENDS SHALL BE USED ON ALL FITTINGS ON EACH SIDE OF BEND. RESTRAINED LENGTHS FOR TEES SHALL BE ON THE BRANCHES OF THE TEE. SITUATIONS NOT LISTED ON THIS TABLE (IE REDUCERS, TEES W/SMALLER BRANCH DIAMETERS & VERTICAL BENDS NOT LISTED) SHALL BE AS APPROVED BY THE VILLAGE. PLEASE NOTE: POLYWRAP REQUIRES ADDITIONAL RESTRAINT DUE TO A LOWER FRICTION LOSS. (FOOTAGE SHOWN IN PARENTHESIS IS RESTRAINT FOR POLYWRAP PIPE.)

C-900
HORIZONTAL LENGTH TO BE RESTRAINED (FEET) AT 150 PSI

D	O	H				
		5	6	7	8	10
10	90	23 (27)	19 (23)	17 (20)	15 (17)	12 (14)
	45	10 (11)	8 (9)	7 (8)	6 (7)	5 (6)
	45 (VERT)	20 (28)	17 (24)	14 (21)	13 (18)	10 (15)
	22.5	5 (7)	4 (5)	3 (4)	3 (3)	2 (3)
	11.25	2 (3)	2 (2)	2 (2)	1 (2)	1 (1)
TEE OR DEAD END	48 (69)	41 (58)	35 (50)	31 (44)	25 (36)	

O = BEND ANGLE IN DEGREES
H = DEPTH OF COVER (FT)
D = NOMINAL DIAMETER (IN)

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WATER NOTES

VILLAGE OF PLEASANT HILL
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SIDEWALK

TREE LAWN

CURB

PAVEMENT

4" MIN

4'-6" MIN

SERVICE BOX SHALL BE PLUMBED, CENTERED AND SCREWED TO CURB STOP AND ADJUSTED TO PROPER HEIGHT, BY OWNER OR CONTRACTOR, CAST IRON, MUELLER BUFFALO TYPE H-10314 EXT. TYPE CURB BOX 1" UPPER SECTION WITH NO. 87081 LID

BUSHING 2" IP x 1 1/2" IP

CURB STOP TO BE MUELLER (B25155N), ORISEAL OR BALL VALVE TYPE (TEFLON COATED) ROADWAY (NO CHECK)

GOOSENECK

ROMAC 101NS SADDLE AND CORPORATION STOP TAPPED INTO MAIN AT 45°, MUELLER ("CC"x110 CTS) CORPORATION STOP 3/4" - B25008N TAP TO BE MADE UNDER PRESSURE WITH ACCEPTABLE TAPPING MACHINE OR BY THE VILLAGE WATER DISTRIBUTION CREW.

WATER MAIN

COPPER TYPE "K" 3/4" MINIMUM

MATERIAL MAY VARY

CUSTOMER RESPONSIBLE

NOTE:
BID FOR EACH "WATER SERVICE" TO INCLUDE SADDLE, CORP STOP, CURB STOP, SERVICE BOX AND CAP ON BACKSIDE OF SERVICE BOX. THE NEW SERVICE LINE ITSELF WILL BE PAID BY THE LINEAR FOOT UNDER A SEPARATE BID ITEM.

WATER MAIN SERVICE CONNECTION

HOUSE

METER AND COUPLINGS

A.R.B. CABLE

GROUND

HOUSE SERVICE LINE

WATER SERVICE LINE

BALL VALVE *

SEAL WIRE

BALL VALVE *

GROUND JUMPER WIRE REQUIRED UNLESS GROUND IS ON VILLAGE SIDE OF METER.

*A GATE VALVE IS REQUIRED ON EACH SIDE OF 1 1/2" AND LARGER SERVICE LINES.

INSIDE WATER METER

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WATER MAIN SERVICE CONNECTIONS
INSIDE METER WITH CURB STOP

VILLAGE OF PLEASANT HILL
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NOTES

1. WATER SERVICE SHALL BE SEAMLESS COPPER, TYPE K, MEETING THE REQUIREMENTS OF FEDERAL SPECIFICATION WW-T-799.

2. 1" SERVICE SHALL BE INSTALLED WHERE BUILDINGS ARE MORE THAN 120' FROM WATERMAIN OR WHERE REQUIRED BY PLANS.

3. WATER SERVICE SHALL BE A MINIMUM OF 10' MEASURED HORIZONTALLY FROM THE SEWER SERVICE AND SHALL BE A MINIMUM OF 18" ABOVE THE CROWN OF THE SANITARY SEWER MAIN WHERE THE WATER SERVICE CROSSES THE SEWER MAIN. WATER SERVICE MAY BE LAID ON BENCH IN THE SEWER LATERAL TRENCH IF CROWN IS AT LEAST 18" BELOW INVERT OF WATER SERVICE, AND THE MINIMUM DISTANCE BETWEEN THE WATER SERVICE AND THE SEWER LATERAL IS 5'-0".

4. ONE METER UNIT WILL BE FURNISHED BY VILLAGE UNDER TAP FEE.

5. CORPORATION STOP AND CURB STOP ARE TO BE MUELLER OR EQUIVALENT.

6. ALL OTHER FITTINGS ARE TO BE BRASS OR BY VILLAGE ORDERS.

7. LOCATE WATER METER AS CLOSE TO ELECTRIC METER AS POSSIBLE.

8. SEE VILLAGE'S RULES & REGULATIONS FOR PUBLIC WATER SYSTEM FACILITIES FOR FURTHER DETAILS.

NOTES:

1. ALL CONSTRUCTION WITHIN 5' OF THE PAVEMENT AND DRIVE AREAS SHALL FOLLOW THIS DETAIL.

2. OFF-PAVEMENT AREAS SHALL BE PROVIDED WITH 12" OF APPROVED TOPSOIL MATERIAL OVER THE COMPACTED GRANULAR BACKFILL.

3. COMMERCIAL LAB PROCTOR AND FIELD COMPACTION TESTING MAY BE REQUIRED BY THE OWNER.

5'-0" MAX. PAVEMENT REPLACEMENT PAY WIDTH

6" MIN. I.D. + 2'-0" MAX. WIDTH

6" MINIMUM EXISTING PAVEMENT REMOVAL TO OBTAIN A SOLID MATERIAL AT THE PROPER GRADE.

SAW CUT JOINT SEALED AFTER PAVING

PAVEMENT, DRIVE AND SIDEWALK REPLACEMENT TO SPECIFIED DEPTHS OR TO MATCH EXISTING, WHICHEVER IS GREATER.

4'-6" MINIMUM DEPTH

12" MIN

4" MIN

MATERIAL SHALL BE COMPACTED GRANULAR BACKFILL (MEETING ODOT 304 SPECIFICATIONS), IN 6" MAXIMUM LIFTS COMPACTED TO 98% OF ASTM D698 STANDARD PROCTOR BACKFILL OR LOW STRENGTH MORTAR BACKFILL (ODOT ITEM 613 TYPE 1). ALTERNATE BACKFILL MATERIALS MAY BE SUBMITTED BY THE CONTRACTOR BUT MUST BE APPROVED BY THE OWNER AND ENGINEER.

DETECTABLE TRACER TAPE

APPROVED WASHED BEDDING MATERIAL ODOT #67 STONE. NATURAL SAND MATERIAL AND POLYWRAP REQUIRED AT ALL METAL FITTINGS.

DETECTABLE TRACER WIRE

PVC PIPE AWWA C-900 CLASS 235 DR-18 W/TRACER WIRE

WATERLINE TRENCH DETAIL PAVED AREA

DATE: JANUARY 25, 2005

BACKFILL TRENCH
DETAILS (WATERLINE)

VILLAGE OF PLEASANT HILL
PAGE No. 800-7

NEENAH R-7514 CAST IRON HANDHOLE FRAME AND LID

FINISH GRADE

4.5' MIN.

ADJUSTABLE CAST IRON VALVE BOX SLEEVE

SHUT-OFF VALVE. SEE PLANS AND SPECIFICATIONS FOR SIZE AND TYPE OF VALVE.

FOR 8" OR LESS USE BASE NO. 6. FOR GREATER THAN 8", USE BASE NO. 160.

VALVE BOX DETAIL

3500 psi CONCRETE

Perspective View—earth cut away

CONCRETE CRADLE

18" MIN. CLEAR BETWEEN PIPES

EX. PIPE

WATER LINE

BOTTOM OF TRENCH

WATER LINE CROSSING DETAIL

DATE: JANUARY 25, 2005

MISCELLANEOUS WATER DISTRIBUTION
DETAILS

VILLAGE OF PLEASANT HILL
PAGE No. 800-11

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WILLIAMS, NORTH, & LIBERTY
STREET IMPROVEMENTS

VILLAGE OF PLEASANT HILL
MIAMI COUNTY, OHIO

DETAILS

REV NO

REV DATE

REVISION COMMENTS

11

25

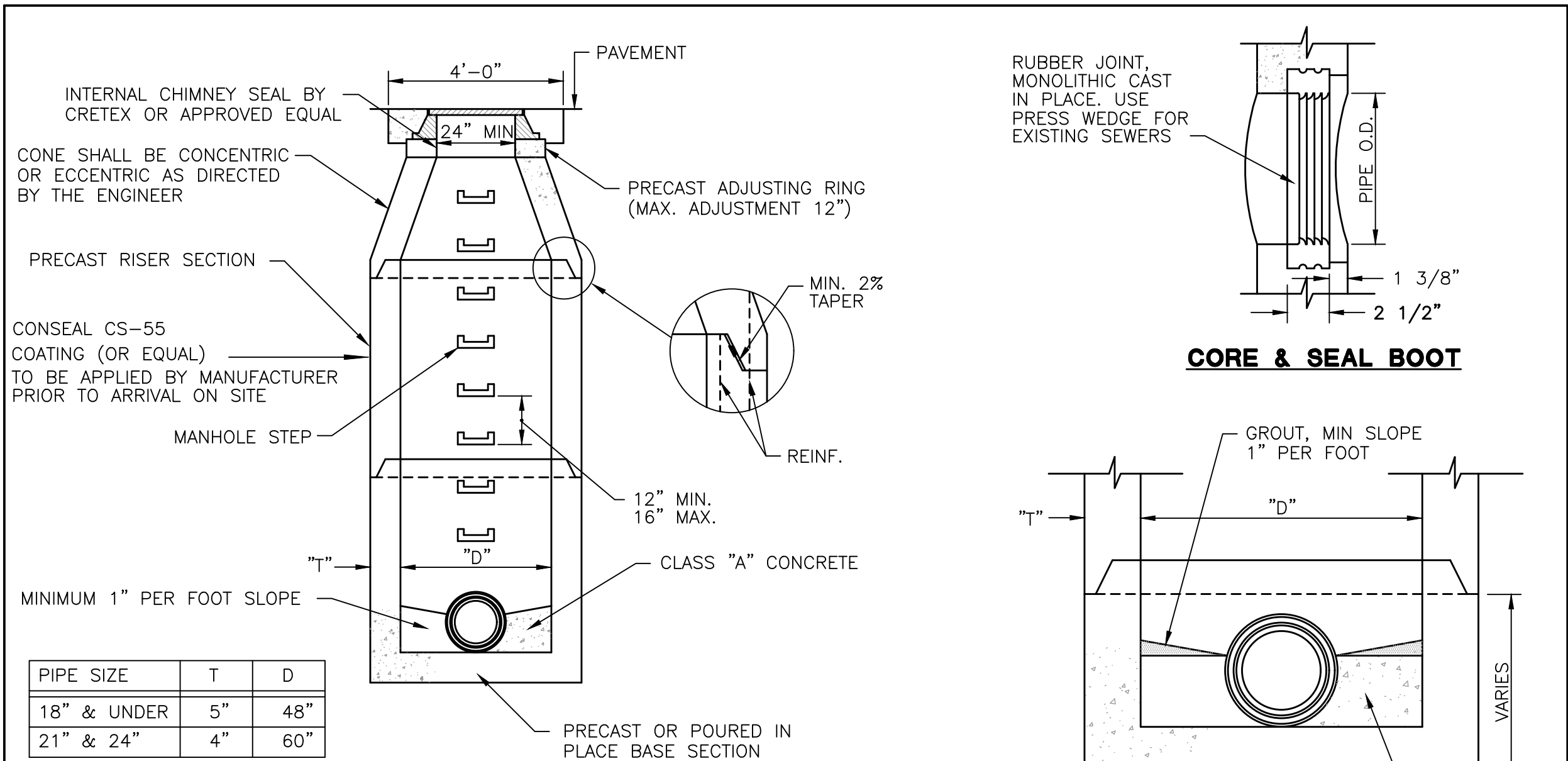
PROJECT NO: C25019.1A

DATE: SEPTEMBER 2026

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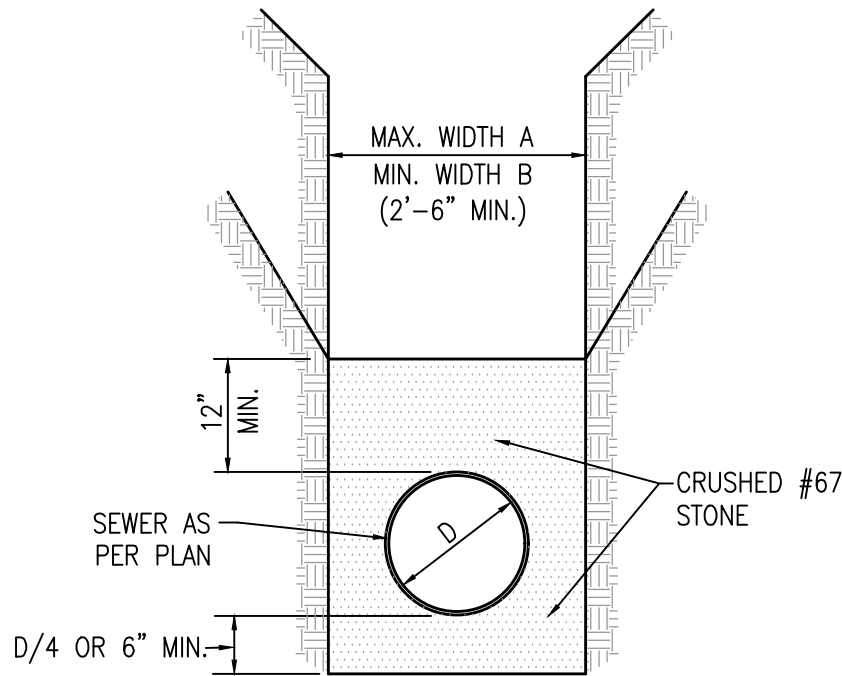
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	DATE: JANUARY 25, 2005	SANITARY MANHOLE DETAIL	VILLAGE OF PLEASANT HILL
			PAGE No. 900-1



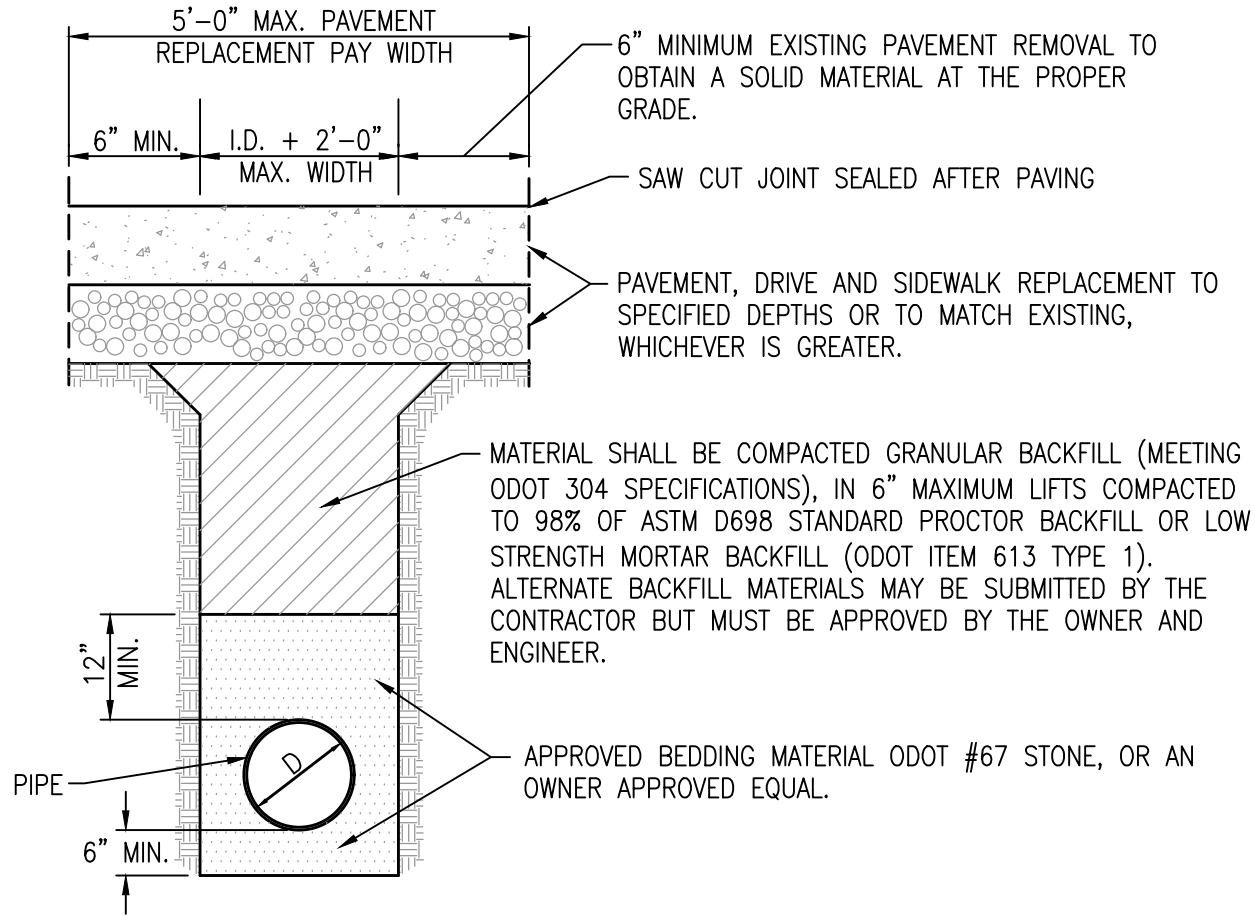
NOTE: IF DUCTILE IRON OR TRUSS PIPE IS INSTALLED A MINIMUM OF 6" OF CRUSHED #6 STONE SHALL BE PLACED OVER THE PIPE.

**TRENCH AND BEDDING DETAIL
NON-PAVED**



- NOTES:
- ALL CONSTRUCTION WITHIN 5' OF THE PAVEMENT AND DRIVE AREAS SHALL FOLLOW THIS DETAIL.
 - OFF-PAVEMENT AREAS SHALL BE PROVIDED WITH 12" OF APPROVED TOPSOIL MATERIAL OVER THE COMPACTED GRANULAR BACKFILL.

**TRENCH DETAIL
PAVED AREA**



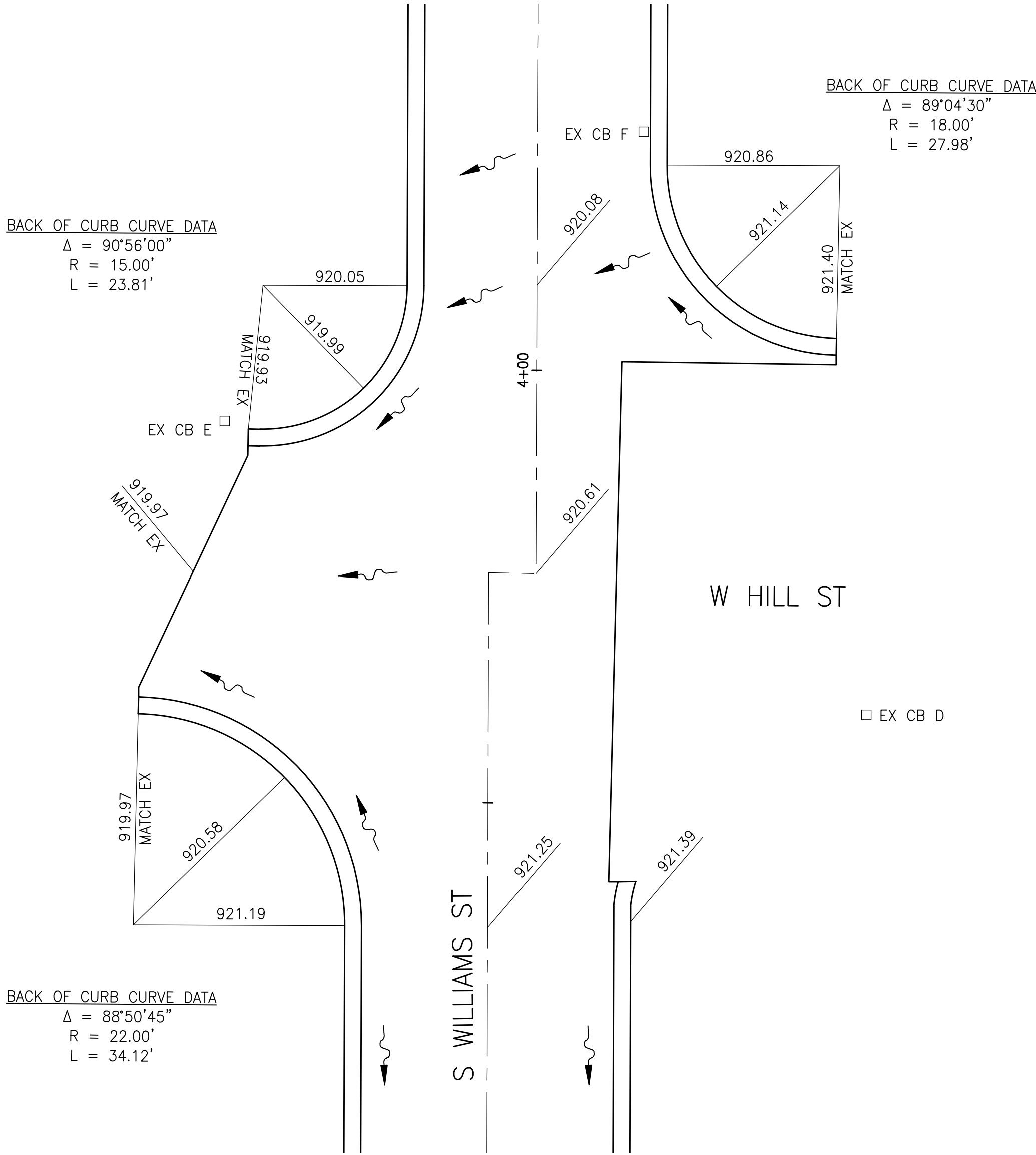
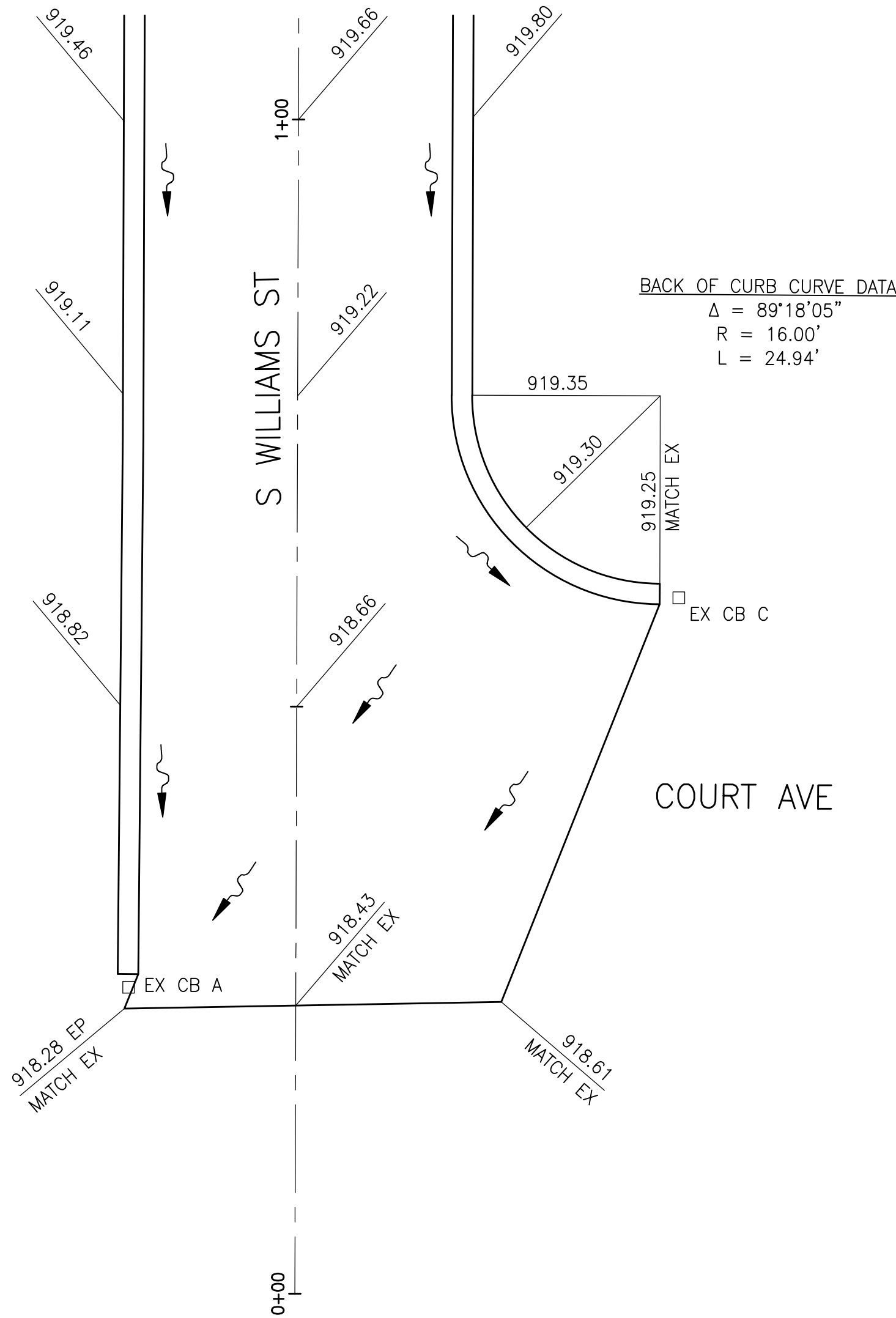
	DATE: JANUARY 25, 2005	BACKFILL TRENCH DETAILS (SANITARY/STORM)	VILLAGE OF PLEASANT HILL
			PAGE No. 900-7

DETAILS

REV. NO.	REV. DATE	REVISION COMMENTS

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NOTE:
ALL ELEVATIONS ALONG CURB
ARE TOP OF CURB ELEVATIONS
UNLESS OTHERWISE NOTED.



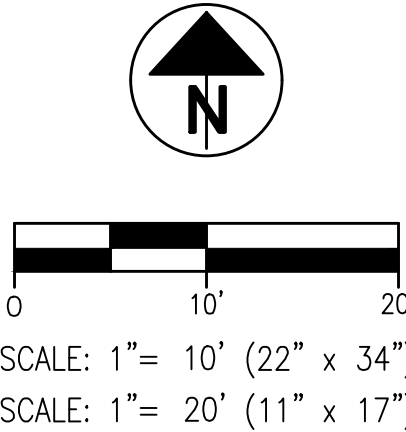
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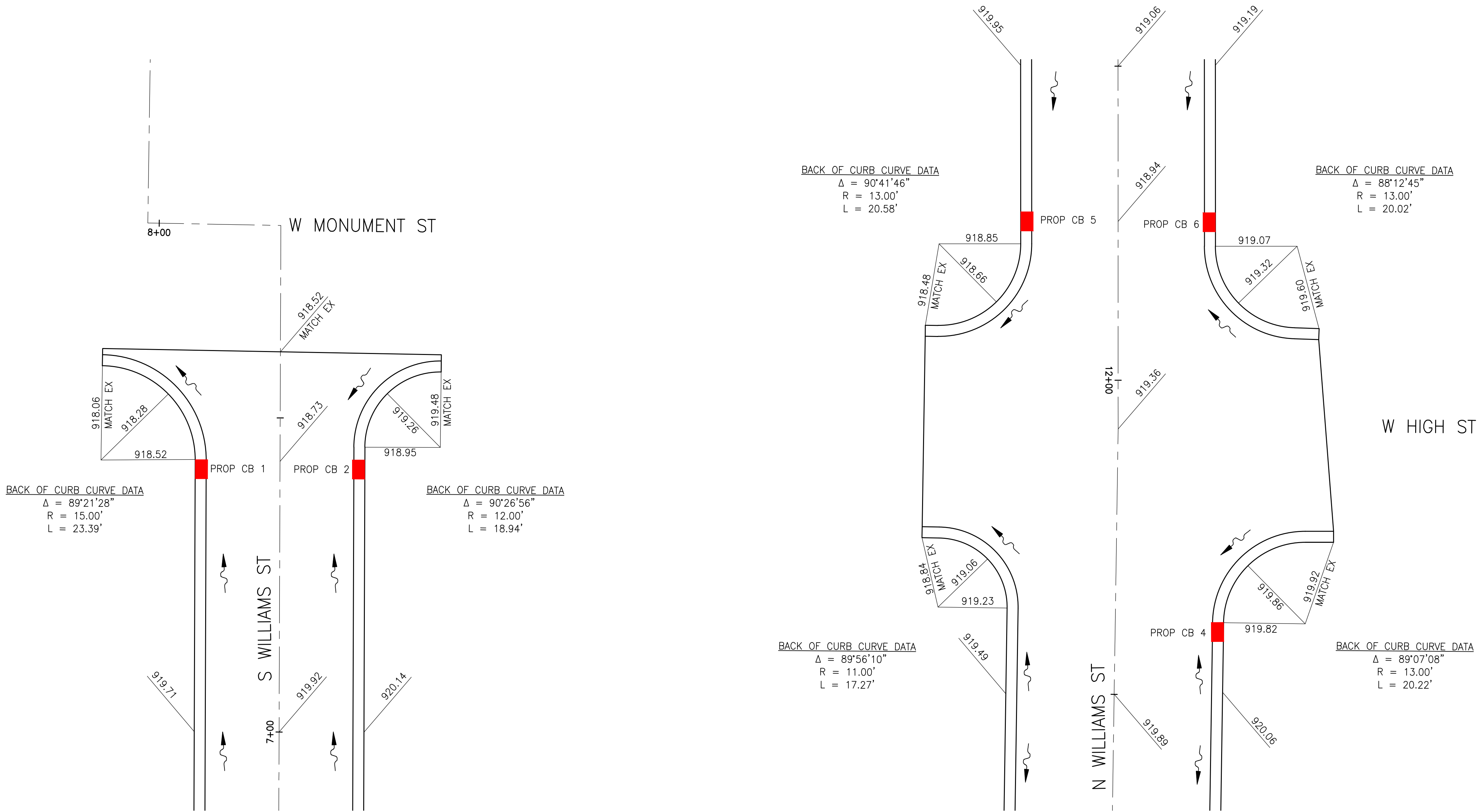
WILLIAMS, NORTH, & LIBERTY
STREET IMPROVEMENTS

VILLAGE OF PLEASANT HILL
MIAMI COUNTY, OHIO

PROJECT NO.: C25019.1A
DATE: SEPTEMBER 2026
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**WILLIAMS, NORTH, & LIBERTY
STREET IMPROVEMENTS**

**VILLAGE OF PLEASANT HILL
MIAMI COUNTY, OHIO**

INTERSECTION DETAILS

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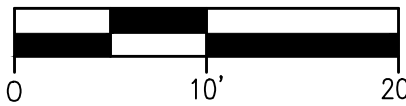
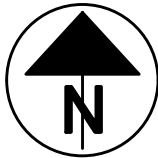
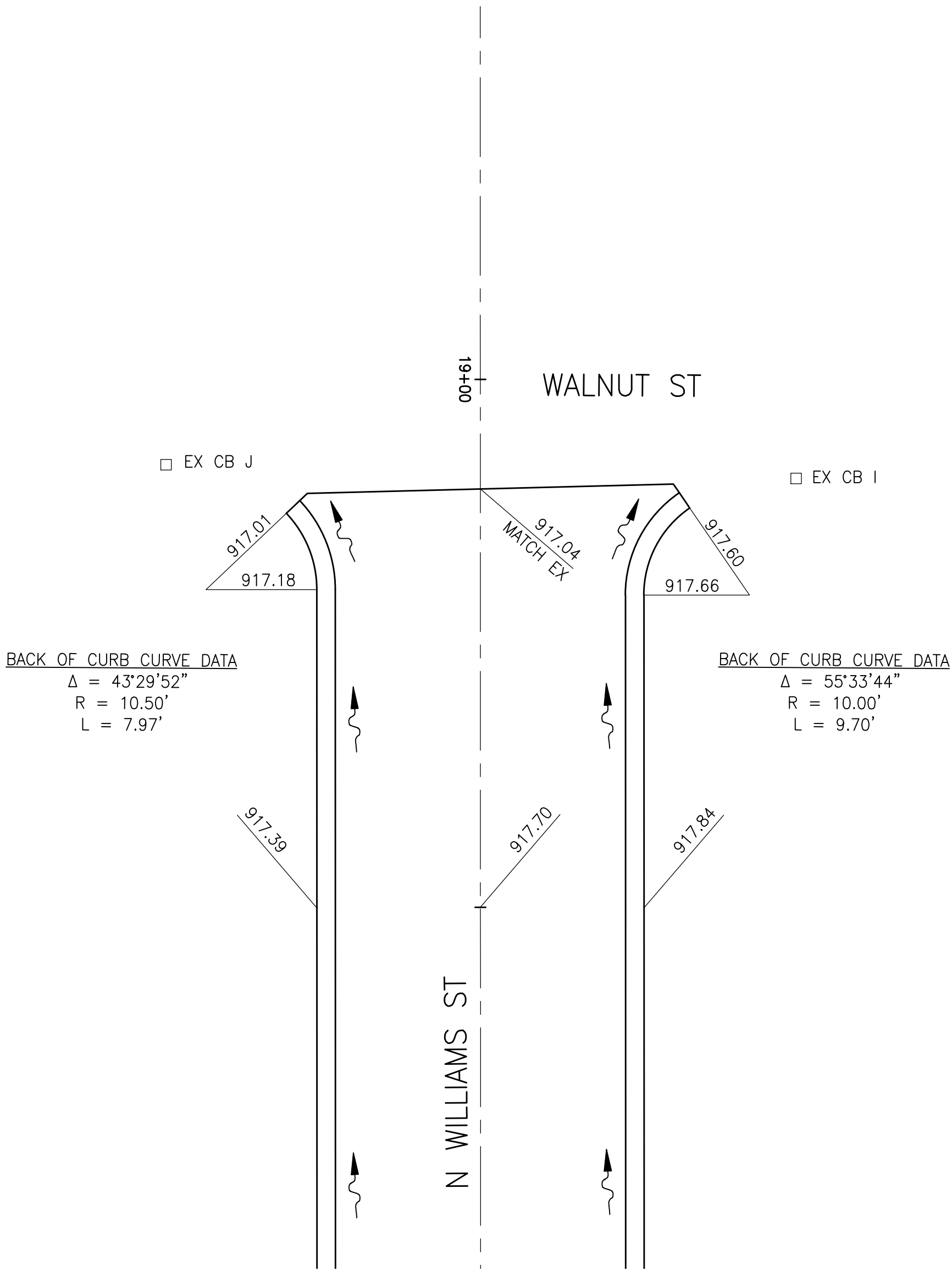
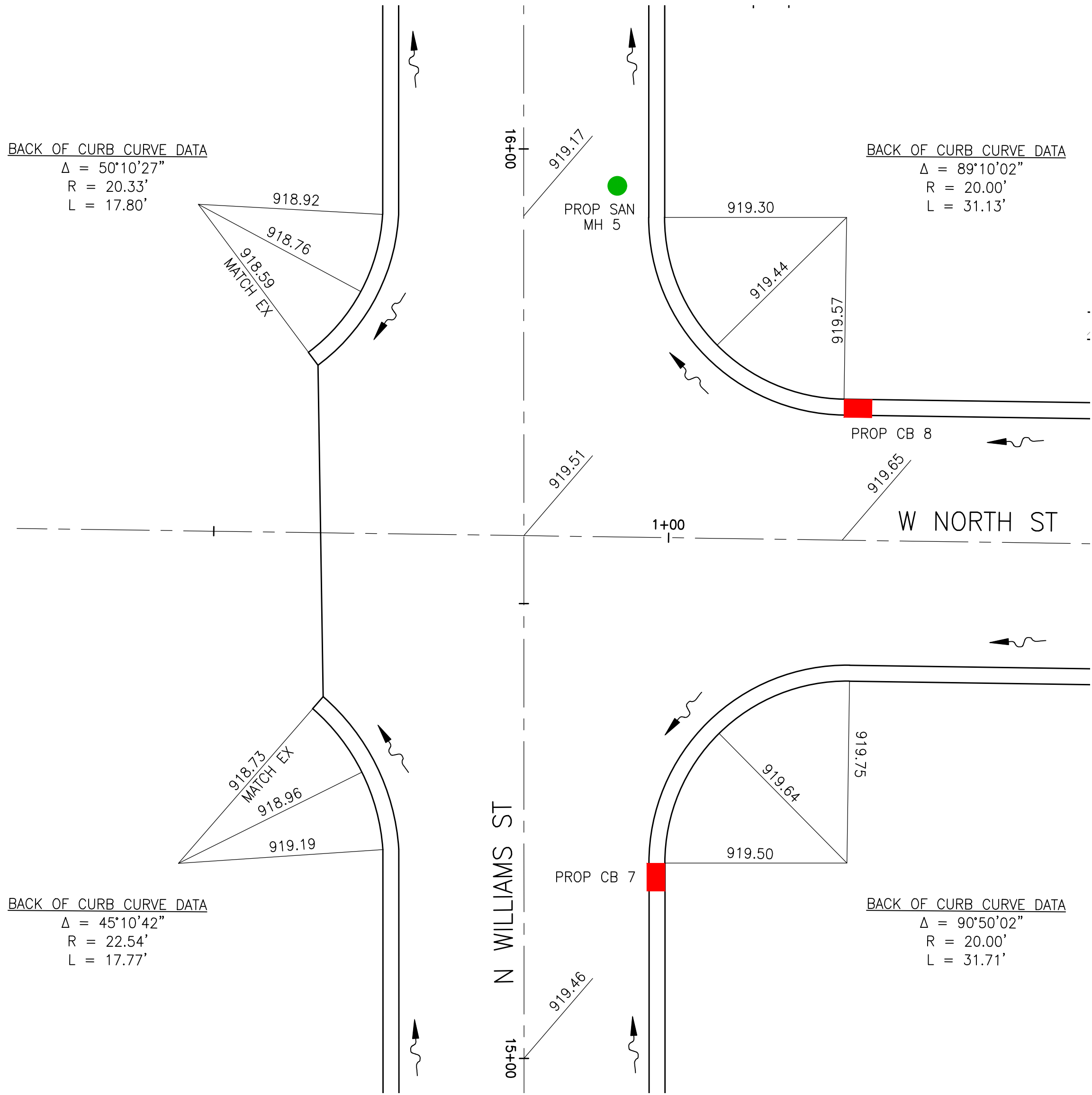
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DATE:	SEPTEMBER 2026	CHECKED BY:	BMM

0 10' 20'

SCALE: 1"= 10' (22" x 34")
SCALE: 1"= 20' (11" x 17")

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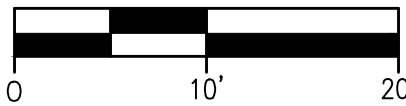
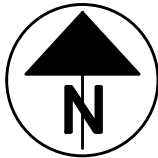
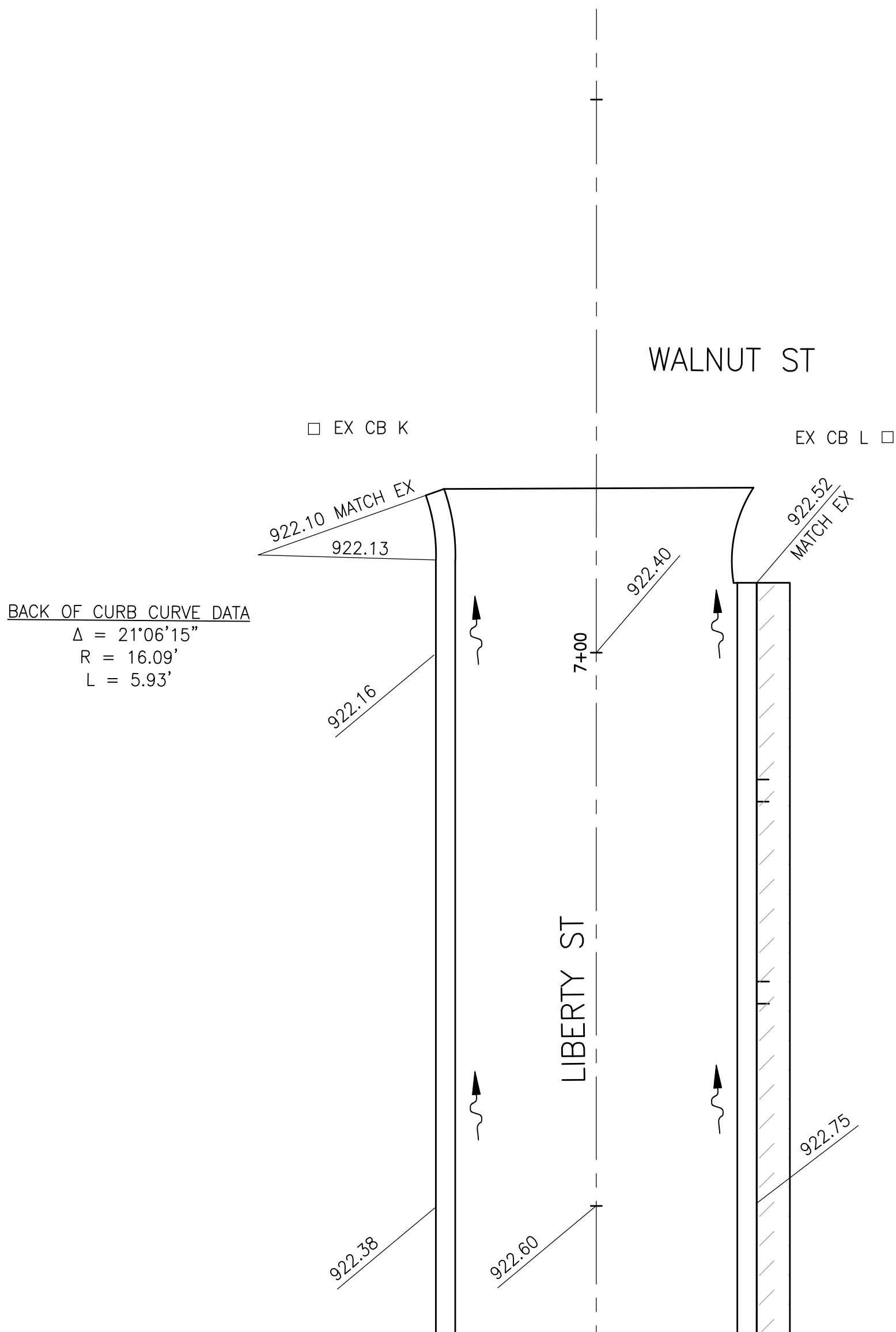
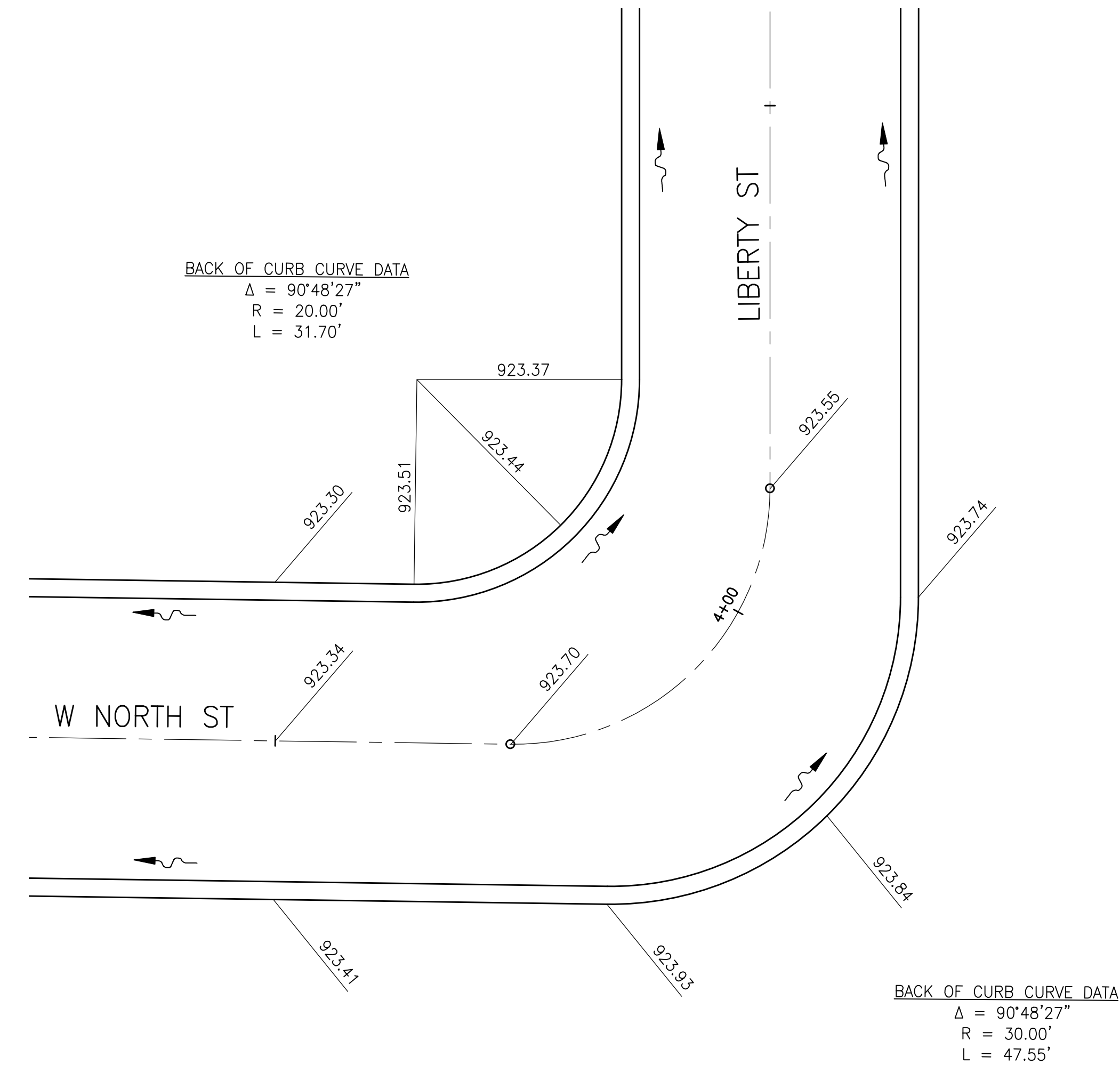
WILLIAMS, NORTH, & LIBERTY STREET IMPROVEMENTS

VILLAGE OF PLEASANT HILL
MIAMI COUNTY, OHIO

INTERSECTION DETAILS

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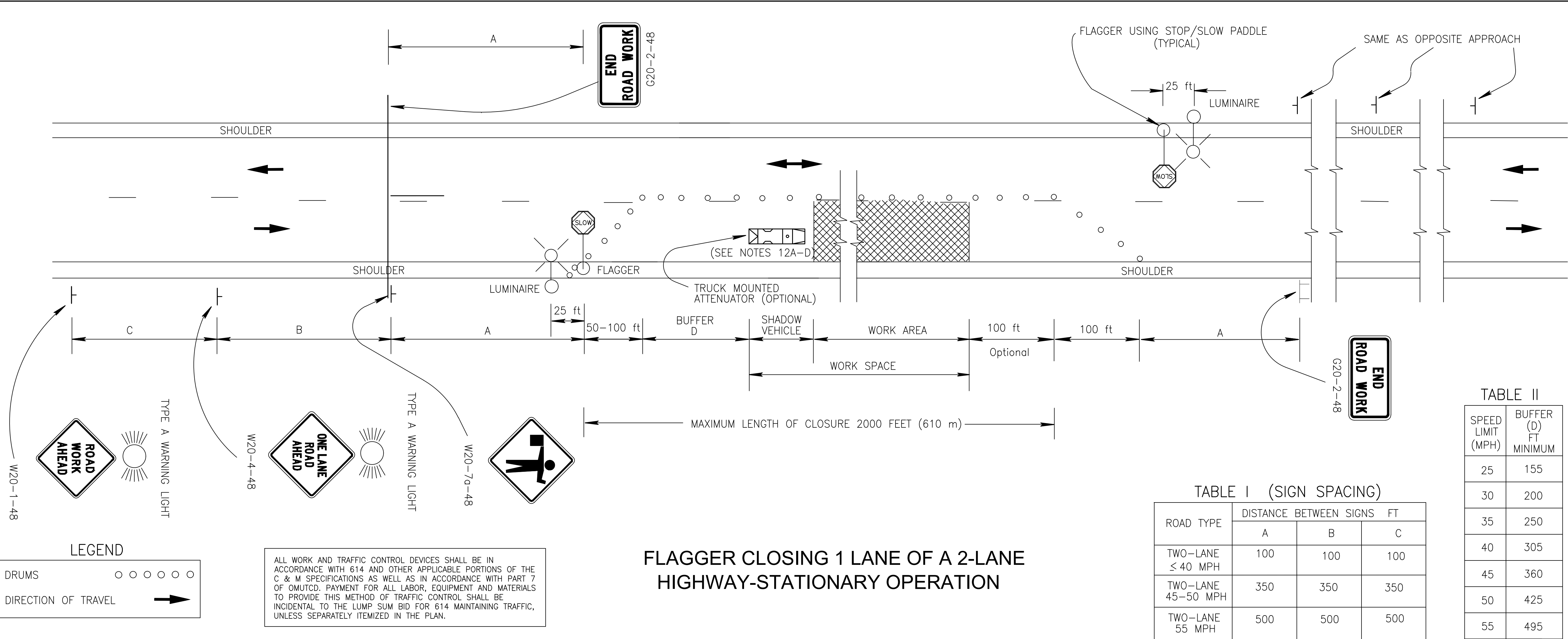
WILLIAMS, NORTH, & LIBERTY STREET IMPROVEMENTS

VILLAGE OF PLEASANT HILL
MIAMI COUNTY, OHIO

INTERSECTION DETAILS

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FLAGGER CLOSING 1 LANE OF A 2-LANE HIGHWAY-STATIONARY OPERATION

GENERAL NOTES:

FLAGGERS

1. FLAGGERS, ONE FOR EACH DIRECTION, SHALL BE USED TO CONTROL TRAFFIC CONTINUOUSLY FOR AS LONG AS A ONE LANE OPERATION IS IN EFFECT. THE FLAGGERS SHALL BE ABLE TO COMMUNICATE WITH EACH OTHER AT ALL TIMES.

LENGTH OF CLOSURE

2. SEVERAL SMALL WORK AREAS CLOSE TOGETHER SHOULD BE COMBINED INTO ONE WORK ZONE. HOWEVER, THE CLOSURE SHALL NOT BE MORE THAN 2000 FEET LONG UNLESS APPROVED BY THE ENGINEER. THE MINIMUM LENGTH BETWEEN CLOSURES SHALL BE 2000 FEET. ONLY ONE SIDE OF THE ROAD SHALL BE CLOSED IN ANY ONE WORK ZONE.

SIGN LOCATION AND SPACING

- 3A. THE MINIMUM SPACING BETWEEN WORK ZONE SIGNS IS SHOWN IN TABLE I. MAXIMUM SPACING SHOULD NOT BE GREATER THAN 1.5 TIMES THE DISTANCES SHOWN IN TABLE I.
- 3B. SIGN SPACING SHOULD BE ADJUSTED TO AVOID CONFLICT WITH EXISTING SIGNS. MINIMUM SPACING TO EXISTING SIGNS SHALL BE 200 FEET FOR SPEEDS OF 45 MPH OR LESS AND A MINIMUM OF 400 FEET FOR SPEEDS OF 50 MPH OR GREATER.
- 3C. THE LOCATION OF THE ADVANCE WARNING SIGNS SHOULD BE ADJUSTED TO PROVIDE FOR ADEQUATE SIGHT DISTANCE FOR THE EXISTING VERTICAL AND HORIZONTAL ROADWAY ALIGNMENT.

ADJUSTMENTS FOR SIGHT DISTANCE

4. THE LOCATION OF THE FLAGGER STATION AND THE ADVANCE WARNING SIGNS SHOULD BE ADJUSTED TO PROVIDE FOR ADEQUATE SIGHT DISTANCE FOR THE EXISTING VERTICAL AND HORIZONTAL ROADWAY ALIGNMENT.

BASIC SIGNING

- 5A. ROAD WORK AHEAD (W20-1) SIGNS SHALL BE PROVIDED ON ENTRANCE RAMPS OR ROADWAYS ENTERING THE WORK LIMITS.
- 5B. END ROAD WORK (G20-2) SIGNS ARE ONLY REQUIRED FOR LANE CLOSURES OF MORE THAN ONE DAY. IT IS INTENDED THAT THESE SIGNS BE PLACED ON THE MAINLINE, ON ALL EXIT RAMPS, AND ON ROADWAYS EXITING THE WORK LIMITS.
- 5C. OVERLAPPING OF SIGNING FOR ADJACENT PROJECTS SHOULD BE AVOIDED WHERE THE MESSAGES COULD BE CONFUSING. ANY W20-1 OR G20-2 SIGN WHICH FALLS WITHIN THE LIMITS OF ANOTHER TRAFFIC CONTROL ZONE SHALL BE OMITTED OR COVERED DURING THE PERIOD WHEN BOTH PROJECTS ARE ACTIVE.

SIGNING DETAILS

- 6A. THE ADVISORY SPEED PLAQUE W13-1 SHALL BE USED WHEN SPECIFIED IN THE PLAN.
- 6B. 36 INCH (900 MILLIMETER) WARNING SIGNS MAY BE USED WHEN THE APPROACH SPEED LIMIT IS 40 MPH OR LESS.

FLASHING WARNING LIGHTS

7. TYPE A FLASHING WARNING LIGHTS SHOWN ON THE ROAD WORK AHEAD (W20-1) SIGNS AND ON THE LANE CLOSED AHEAD (W20-5) SIGNS ARE REQUIRED WHENEVER A NIGHT LANE CLOSURE IS NECESSARY.

DRUMS/CONES

- 8A. DRUM SPACING SHALL BE AS FOLLOWS:
 - a) SPACING ALONG THE CLOSURE SHALL BE 40 FEET CENTER TO CENTER.
 - b) SPACING ALONG THE APPROACH TAPER SHALL BE 10 FEET CENTER TO CENTER.
- 8B. CONES MAY BE SUBSTITUTED FOR DRUMS AS FOLLOWS:
 - a) CONES USED FOR DAYTIME TRAFFIC CONTROL SHALL HAVE A MINIMUM HEIGHT OF 28 INCHES.
 - b) CONES USED FOR NIGHTTIME TRAFFIC CONTROL SHALL HAVE A MINIMUM HEIGHT OF 42 INCHES.
 - c) USE OF CONES AT NIGHT SHALL BE PROHIBITED ALONG TAPERS.
- 8C. PROVISIONS SHALL BE MADE TO STABILIZE THE CONES AND DRUMS TO PREVENT THEM FROM BLOWING OVER.
- 8D. A MINIMUM OF 2 DRUMS SHALL BE USED TO CLOSE THE PAVED SHOULDER.

EQUIPMENT/MATERIALS STORAGE

- 9A. NO EQUIPMENT OR MATERIAL SHALL BE LOCATED WITHIN THE TAPER OR BUFFER ZONE.
- 9B. WHEN NO WORK IS BEING PERFORMED, ALL MATERIAL AND EQUIPMENT SHALL BE STORED AS PER CMS 614.03.

AREA ILLUMINATION

- 10A. ADEQUATE AREA ILLUMINATION OF EACH FLAGGER STATION SHALL BE PROVIDED AT NIGHT. USE OF PORTABLE FLOOD LIGHTING IS ACCEPTABLE. LUMINAIRES SHALL BE LOCATED ADJACENT TO EACH FLAGGER STATION.
- 10B. TO ENSURE THE ADEQUACY OF FLOODLIGHT PLACEMENT AND THE ELIMINATION OF GLARE, THE CONTRACTOR AND THE ENGINEER SHALL DRIVE THROUGH THE WORKSITE EACH NIGHT WHEN THE LIGHTING IS IN PLACE. LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO THE SATISFACTION OF THE ENGINEER.

INTERSECTION/DRIVEWAY ACCESS

11. WITHIN THE LENGTH OF CLOSURE, PROVISION SHALL BE MADE TO CONTROL TRAFFIC ENTERING FROM INTERSECTING STREETS AND MAJOR DRIVES AS NECESSARY TO PREVENT WRONG-WAY MOVEMENTS AND TO KEEP VEHICLES OFF OF NEW PAVEMENT NOT READY FOR TRAFFIC. THE CONTRACTOR SHALL:

- a) PLACE ACROSS THE CLOSED LANE, EITHER 3 DRUMS (CONES) OR BARRICADES,
- b) PROVIDE AN ADDITIONAL FLAGGER AT EVERY PUBLIC STREET INTERSECTION AND MAJOR DRIVEWAY.

AND/OR

DRUMS (CONES) PLACED ACROSS THE CLOSED LANE SHALL BE LOCATED 25 FEET BEYOND THE PROJECTED PAVEMENT EDGES OF THE DRIVEWAY OR CROSS HIGHWAY, AS SHOWN IN STANDARD CONSTRUCTION DRAWINGS MT-97.11 OR MT-97.12. FOR BARRICADES, SEE STANDARD CONSTRUCTION DRAWING MT-101.60.

EXISTING STOP SIGNS SHALL BE RELOCATED AS NECESSARY TO ASSURE PROPER LOCATION FOR THE TRAFFIC CONDITIONS.

THE METHOD OF CONTROL SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

SHADOW VEHICLE

- 12A. THE SHADOW VEHICLE SHALL BE IN PLACE AND UNOCCUPIED WHENEVER WORKERS ARE IN THE WORK AREA. THIS VEHICLE SHALL BE REMOVED FROM THE PAVEMENT WHENEVER WORKERS ARE NOT IN THE WORK AREA.
- 12B. THE SHADOW VEHICLE SHALL BE EQUIPPED WITH A HIGH-INTENSITY YELLOW ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHT(S).

12C. THE VEHICLE SHALL BE EQUIPPED WITH A TRUCK-MOUNTED ATTENUATOR (TMA) WHEN CALLED FOR IN THE PLANS.

12D. OTHER PROTECTIVE DEVICES MAY BE USED IN LIEU OF THE SHADOW VEHICLE SHOWN WHEN APPROVED BY THE ENGINEER.

CHIP SEAL OPERATIONS

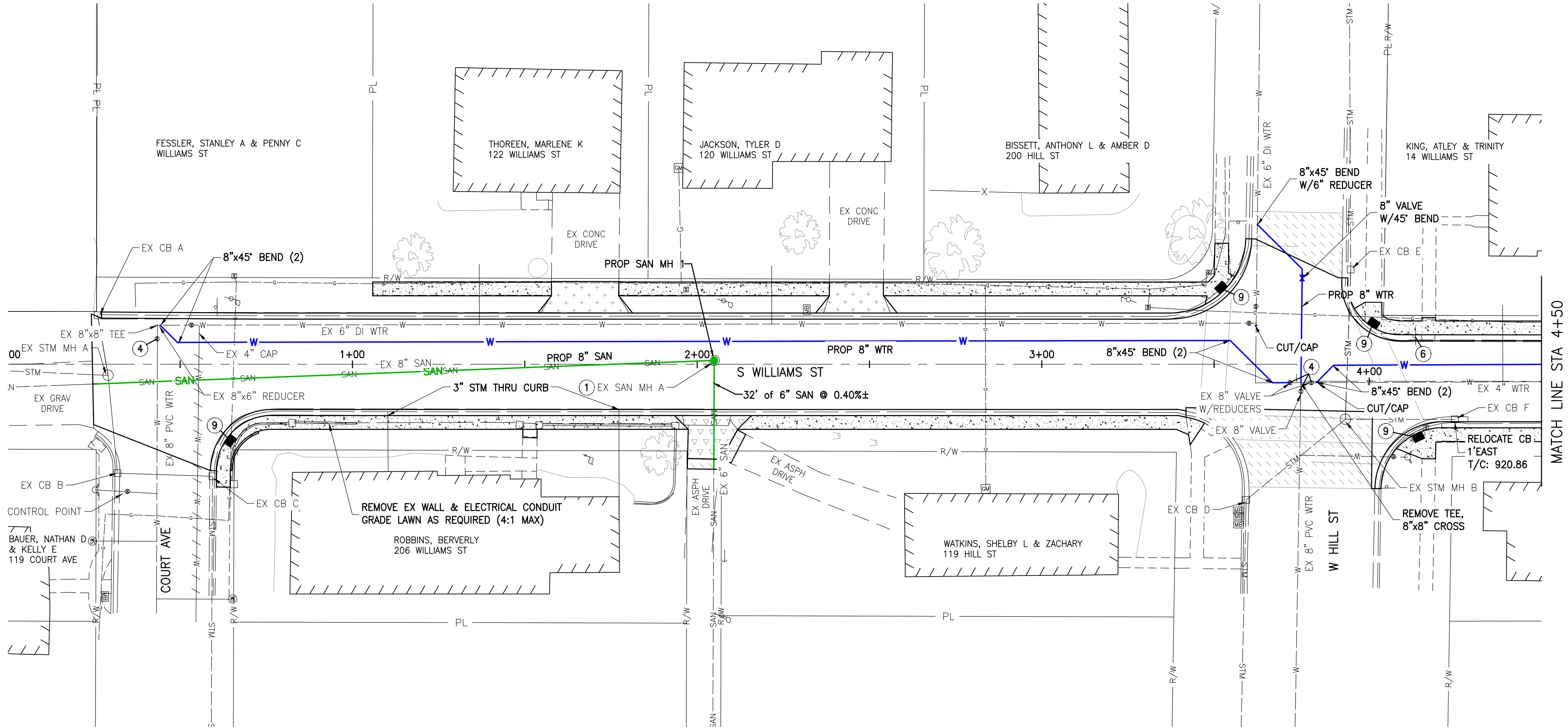
13. FOR CHIP SEAL OPERATIONS, ADDITIONAL SIGNING SHALL BE INCORPORATED IN THE ADVANCED WARNING AREA.

- a) THE LOOSE GRAVEL (W8-7) AND FRESH TAR (W21-2) SIGNS SHALL BOTH BE USED IN ADVANCE OF THE CHIP SEAL OPERATION.
- b) REPEAT THE LOOSE GRAVEL (W8-7) SIGN WITH A 35 MPH ADVISORY SPEED PLAQUE (W13-1) EVERY HALF MILE PER CMS 422.09.
- c) THE FRESH TAR (W21-2) AND THE LOOSE GRAVEL (W8-7) SIGNS SHALL BOTH BE USED FOR SIGNING OF SIDE ROADS INTERSECTING THE WORK AREA.

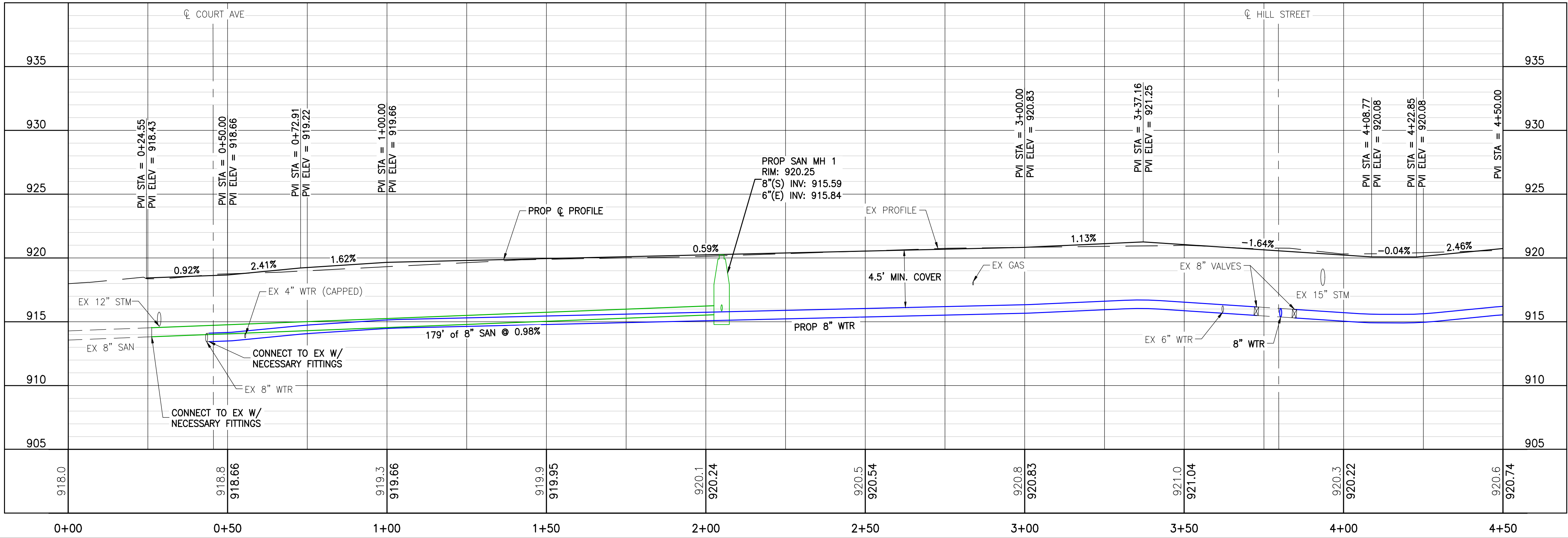
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NOTE: ALL SANITARY AND WATER LATERALS TO BE REPLACED ALONG NEW MAINLINES INSTALLED AS PART OF PROJECT.



KEY NOTES

- 1 Remove Ex Sanitary Manhole
- 2 Remove Ex Catch Basin
- 3 Relocate Pole (By Others)
- 4 Adjust Valve to Grade
- 5 Relocate Mailbox
- 6 Remove & Re-erect Sign
- 7 Abandon Valve
- 8 Remove Hydrant
- 9 Curb Ramp w/Detectable Warnings

LEGEND

- 4" CONCRETE SIDEWALK
- 6" CONCRETE DRIVE APRON
- 9" CONCRETE DRIVE APRON
- BUTT JOINT

EXISTING STRUCTURES

EX CB A RIM: 918.13 12"(E) INV: 914.68	EX STM MH A RIM: 918.41 15"(E) INV: 915.51 15"(S) INV: 914.61 12"(W) INV: 914.71
EX CB B RIM: 918.63 12"(N) INV: 915.78 15"(W) INV: 915.78	EX STM MH B RIM: 920.82 15"(SE&W) INV: 917.92 12"(N) INV: 917.92
EX CB C RIM: 918.85 12"(E&S) INV: 916.20	EX SAN MH A RIM: 920.34 6"(E) INV: 915.84 8"(S) INV: 915.59
EX CB D RIM: 921.40 15"(NW) INV: 918.70	EX CB E RIM: 919.90 15"(E) INV: 917.70 12"(W) INV: 917.45
EX CB F RIM: 920.43 12"(S) INV: 918.23	

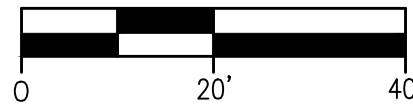
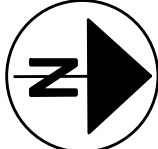
PROPOSED STRUCTURES

PROP SAN MH 1
RIM: 920.25
8"(S) INV: 915.59
6"(E) INV: 915.84

WILLIAMS, NORTH, & LIBERTY STREET IMPROVEMENTS

PLAN & PROFILE - WILLIAMS ST STA 0+00 - 4+50

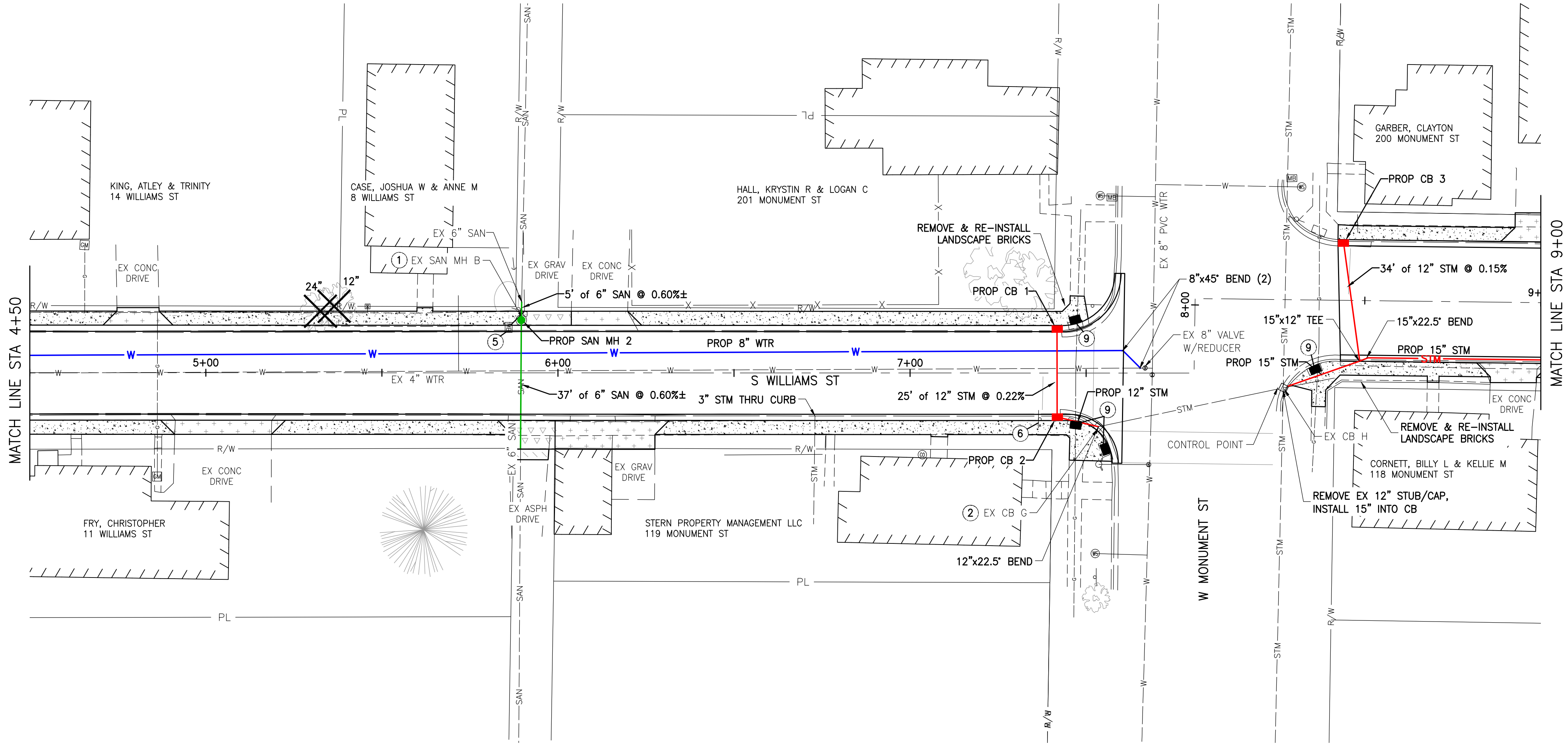
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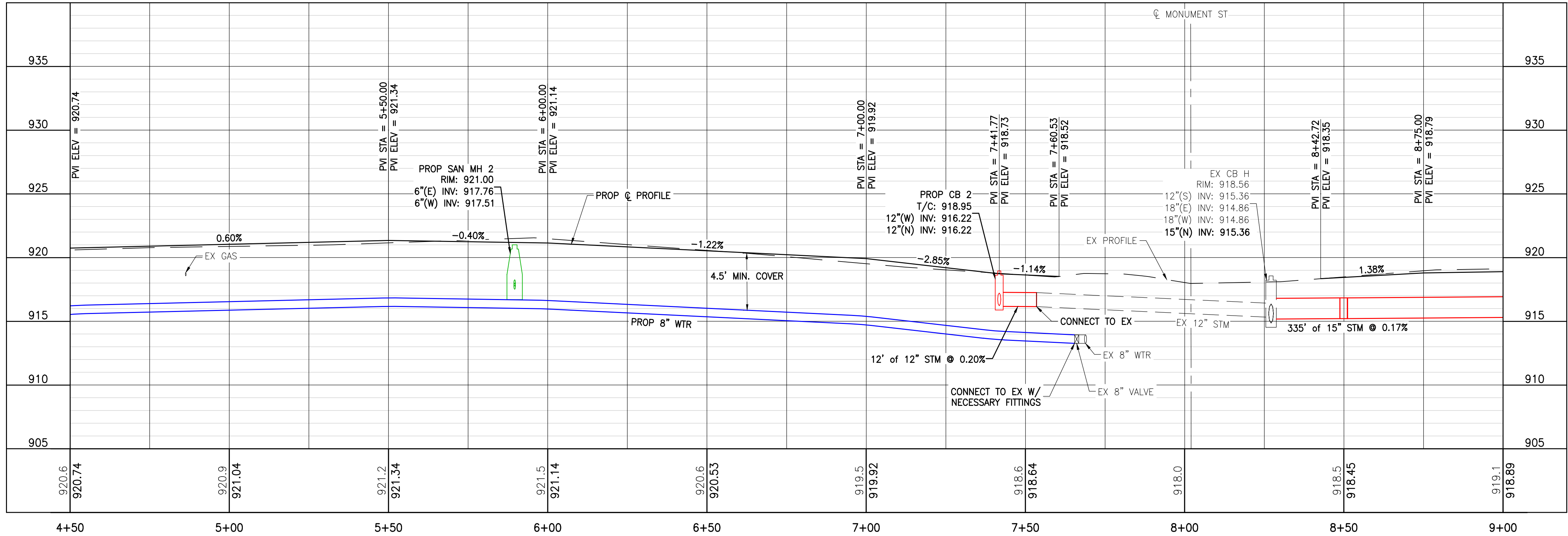
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- 8 Remove Hydrant
- 9 Curb Ramp w/Detectable Warnings

LEGEND

	4" CONCRETE SIDEWALK
	6" CONCRETE DRIVE APRON
	9" CONCRETE DRIVE APRON
	BUTT JOINT

EXISTING STRUCTURES

EX CB G
RIM: 918.70
12"(N) INV: 916.20

EX CB H
RIM: 918.56
12"(N&S) INV: 915.36
18"(E&W) INV: 914.86

EX SAN MH B
RIM: 921.11
6"(E) INV: 917.76
6"(W) INV: 917.51

PROPOSED STRUCTURES

PROP CB 1
T/C: 918.52
12"(E) INV: 916.28

PROP CB 2
T/C: 918.95
12"(W) INV: 916.22
12"(N) INV: 916.22

PROP CB 3
T/C: 917.95
12"(E) INV: 915.45

PROP SAN MH 2
RIM: 921.00
6"(E) INV: 917.76
6"(W) INV: 917.51

WILLIAMS, NORTH, & LIBERTY STREET IMPROVEMENTS

PLAN & PROFILE - WILLIAMS ST STA 4+50 - 9+00

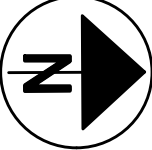
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VILLAGE OF PLEASANT HILL
MIAMI COUNTY, OHIO

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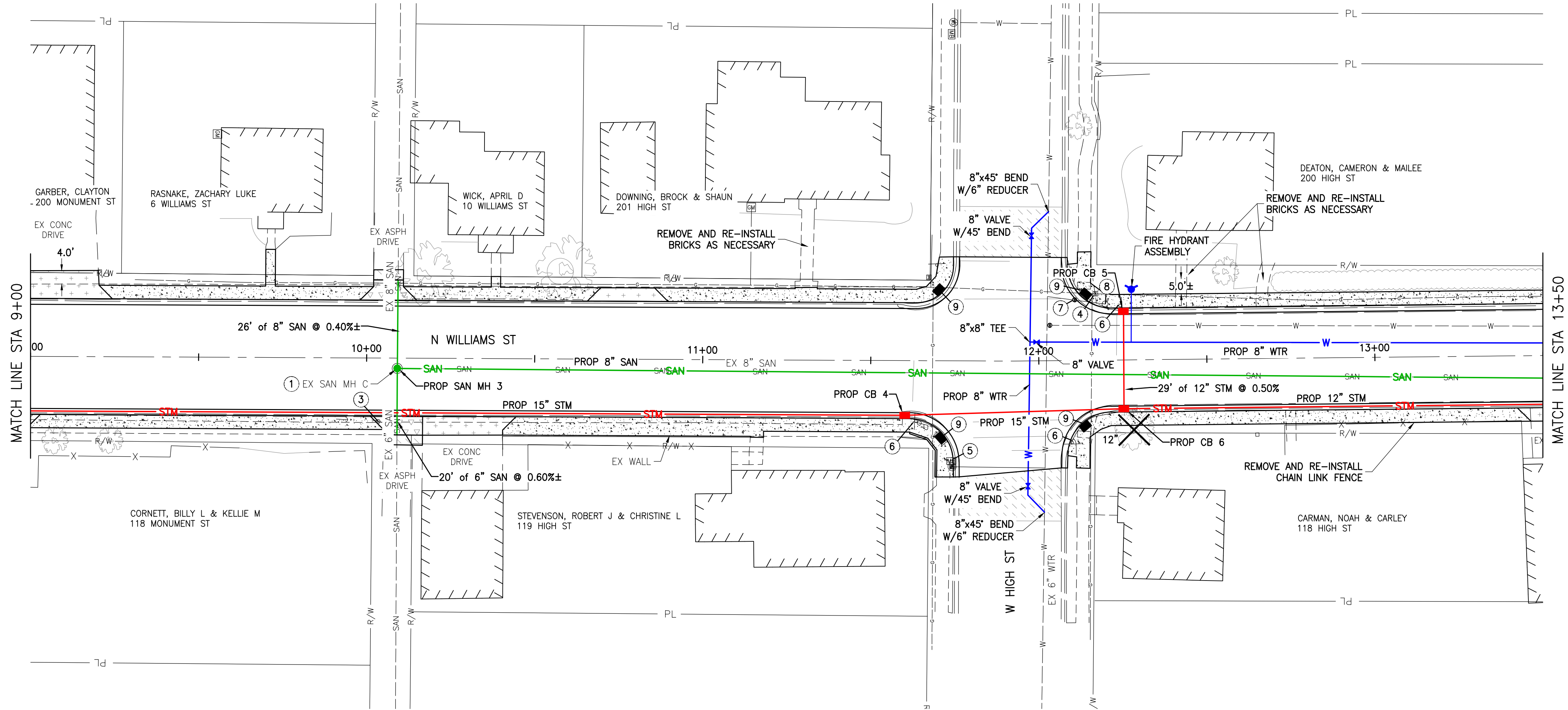
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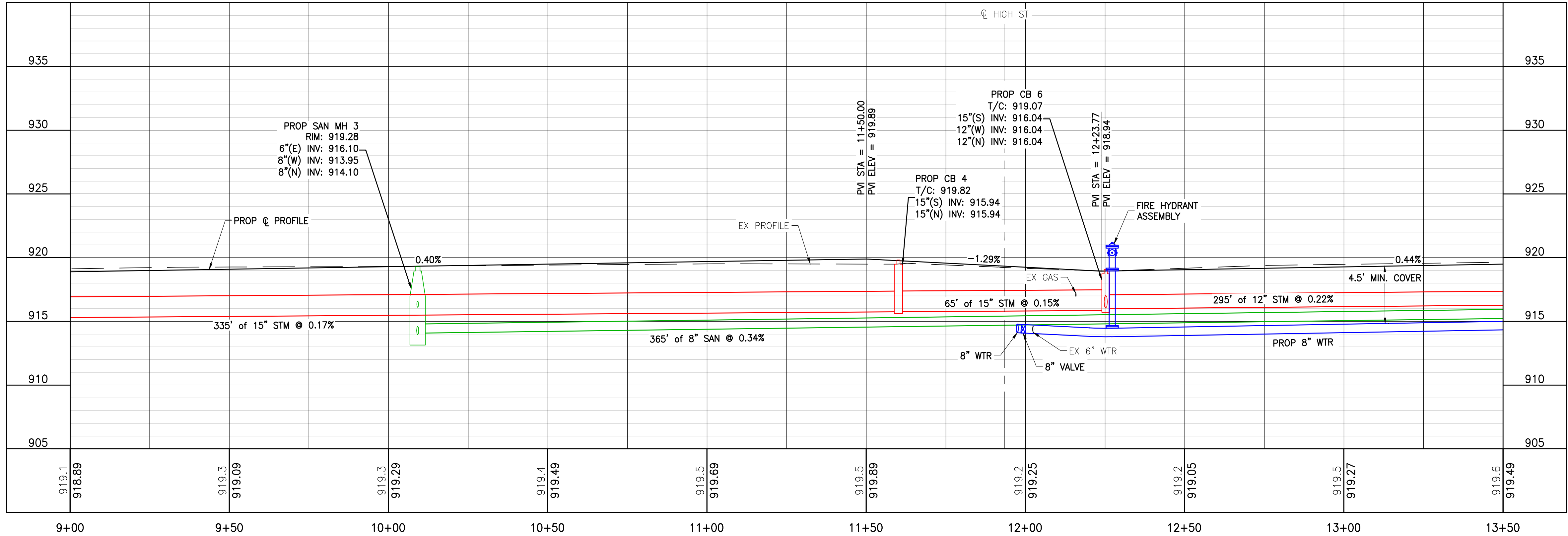
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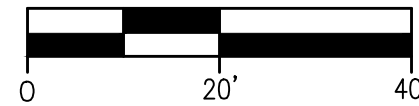
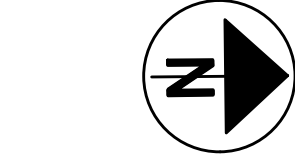


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SCALE: 1"= 40' (11" x 17")

LEGEND

- 4" CONCRETE SIDEWALK
- 6" CONCRETE DRIVE APRON
- 9" CONCRETE DRIVE APRON
- BUTT JOINT

EXISTING STRUCTURES

EX SAN MH C
RIM: 919.10
6"(E) INV: 916.10
8"(W) INV: 914.10
8"(N) INV: 913.95

PROPOSED STRUCTURES

PROP CB 4
T/C: 919.82
15"(S) INV: 915.94
15"(N) INV: 915.94

PROP CB 5
T/C: 918.85
12"(E) INV: 916.18

PROP CB 6
T/C: 919.07
15"(S) INV: 916.04
12"(W) INV: 916.04
12"(N) INV: 916.04

PROP SAN MH 3
RIM: 919.28
6"(E) INV: 916.10
8"(W) INV: 913.95
8"(N) INV: 914.10

WILLIAMS, NORTH, & LIBERTY STREET IMPROVEMENTS

VILLAGE OF PLEASANT HILL
MIAMI COUNTY, OHIO

PLAN & PROFILE - WILLIAMS ST STA 9+00 - 13+50

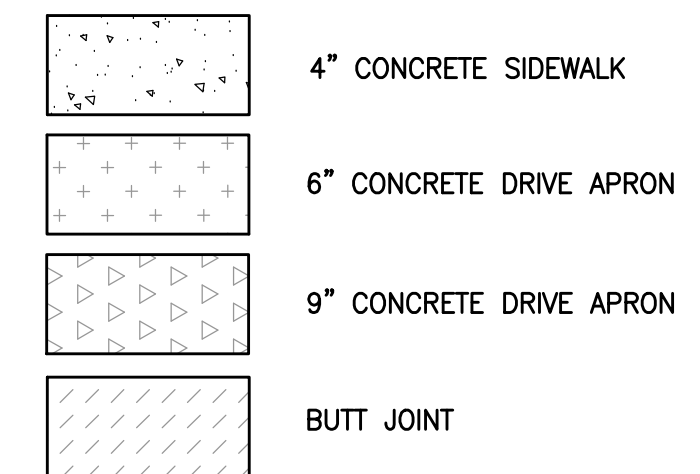
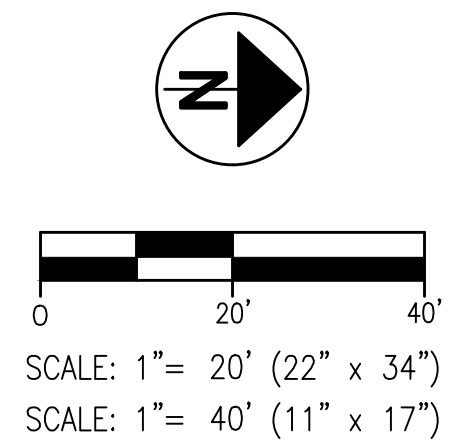
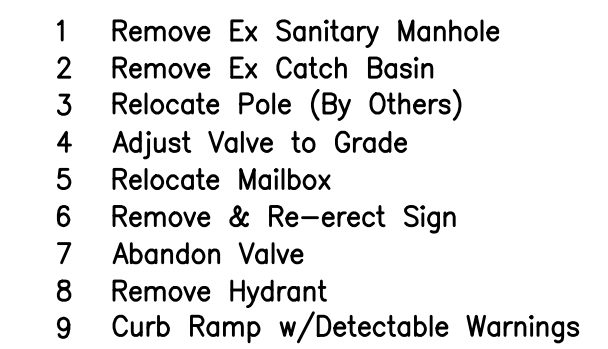
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21 / 25

PROJECT NO: C25019.1A
DATE: SEPTEMBER 2026

DRAWN BY: AMS
CHECKED BY: BMM

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EX SAN MH D
RIM: 919.73
6"(E) INV: 915.73
6"(W) INV: ?
8"(N) INV: 915.33
8"(S) INV: 915.33

EX SAN MH E
RIM: 919.02
4"(W) INV: 916.32
8"(N) INV: 916.02
8"(S) INV: 916.02

PROP CB 7
T/C: 919.50
12"(S) INV: 916.69
12"(NE) INV: 916.69

PROP CB 8
T/C: 919.57
12"(SW) INV: 916.81

PROP SAN MH 4
RIM: 919.46
8"(S) INV: 915.33
6"(E) INV: 915.73
8"(N) INV: 915.33
6"(W) INV: 915.73

PROP SAN MH 5
RIM: 918.94
8"(S) INV: 916.02
8"(NE) INV: 916.02
4"(W) INV: 916.32

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**WILLIAMS, NORTH, & LIBERTY
STREET IMPROVEMENTS**

**VILLAGE OF PLEASANT HILL
MIAMI COUNTY, OHIO**

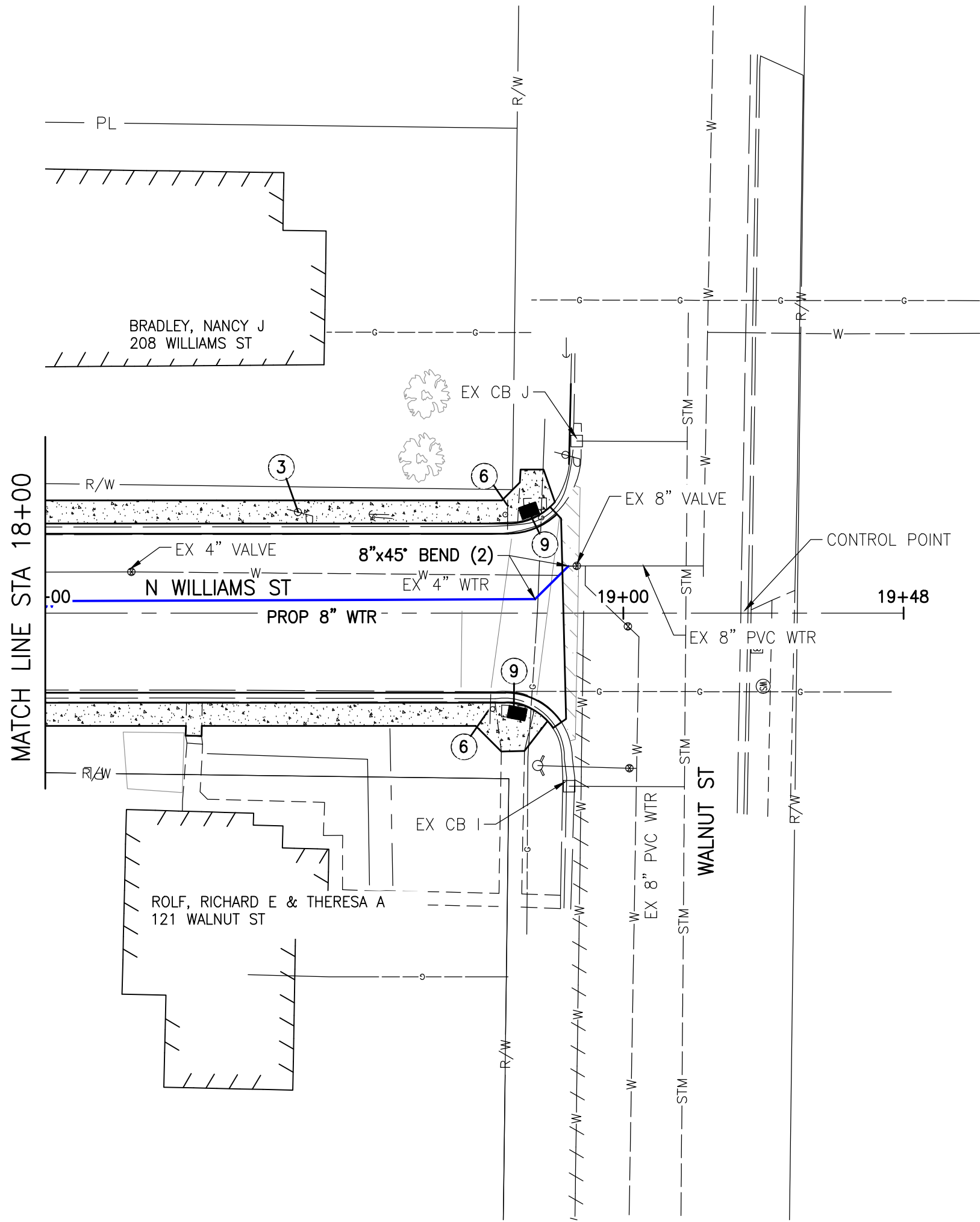
**PLAN & PROFILE - WILLIAMS ST
STA 13+50 - 18+00**

REV NO	REV DATE	REVISION COMMENTS

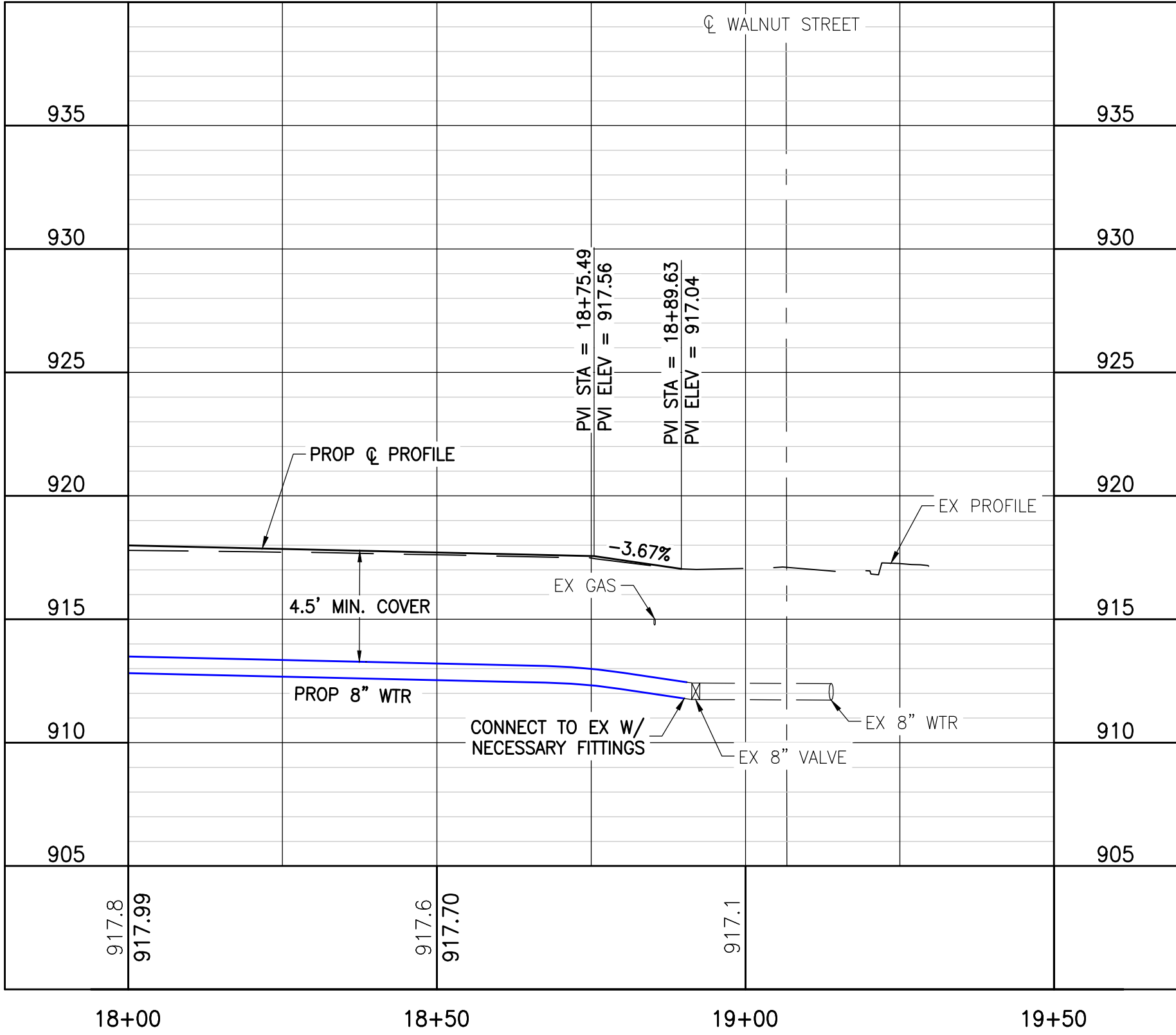
22 / 25

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NOTE: ALL SANITARY AND WATER LATERALS TO BE REPLACED ALONG NEW MAINLINES INSTALLED AS PART OF PROJECT.



KEY NOTES

- 1 Remove Ex Sanitary Manhole
- 2 Remove Ex Catch Basin
- 3 Relocate Pole (By Others)
- 4 Adjust Valve to Grade
- 5 Relocate Mailbox
- 6 Remove & Re-erect Sign
- 7 Abandon Valve
- 8 Remove Hydrant
- 9 Curb Ramp w/Detectable Warnings

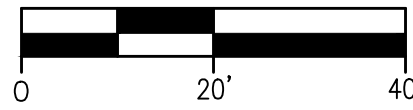
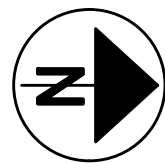
LEGEND

	4" CONCRETE SIDEWALK
	6" CONCRETE DRIVE APRON
	9" CONCRETE DRIVE APRON
	BUTT JOINT

EXISTING STRUCTURES

EX CB I
RIM: 916.34
12"(N) INV: 914.73

EX CB J
RIM: 916.34
12"(N) INV: 913.09



SCALE: 1"= 20' (22" x 34")
SCALE: 1"= 40' (11" x 17")

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PROJECT NO: C25019.1A
DATE: SEPTEMBER 2026
DRAWN BY: AMS
CHECKED BY: BMM

**WILLIAMS, NORTH, & LIBERTY
STREET IMPROVEMENTS**

**VILLAGE OF PLEASANT HILL
MIAMI COUNTY, OHIO**

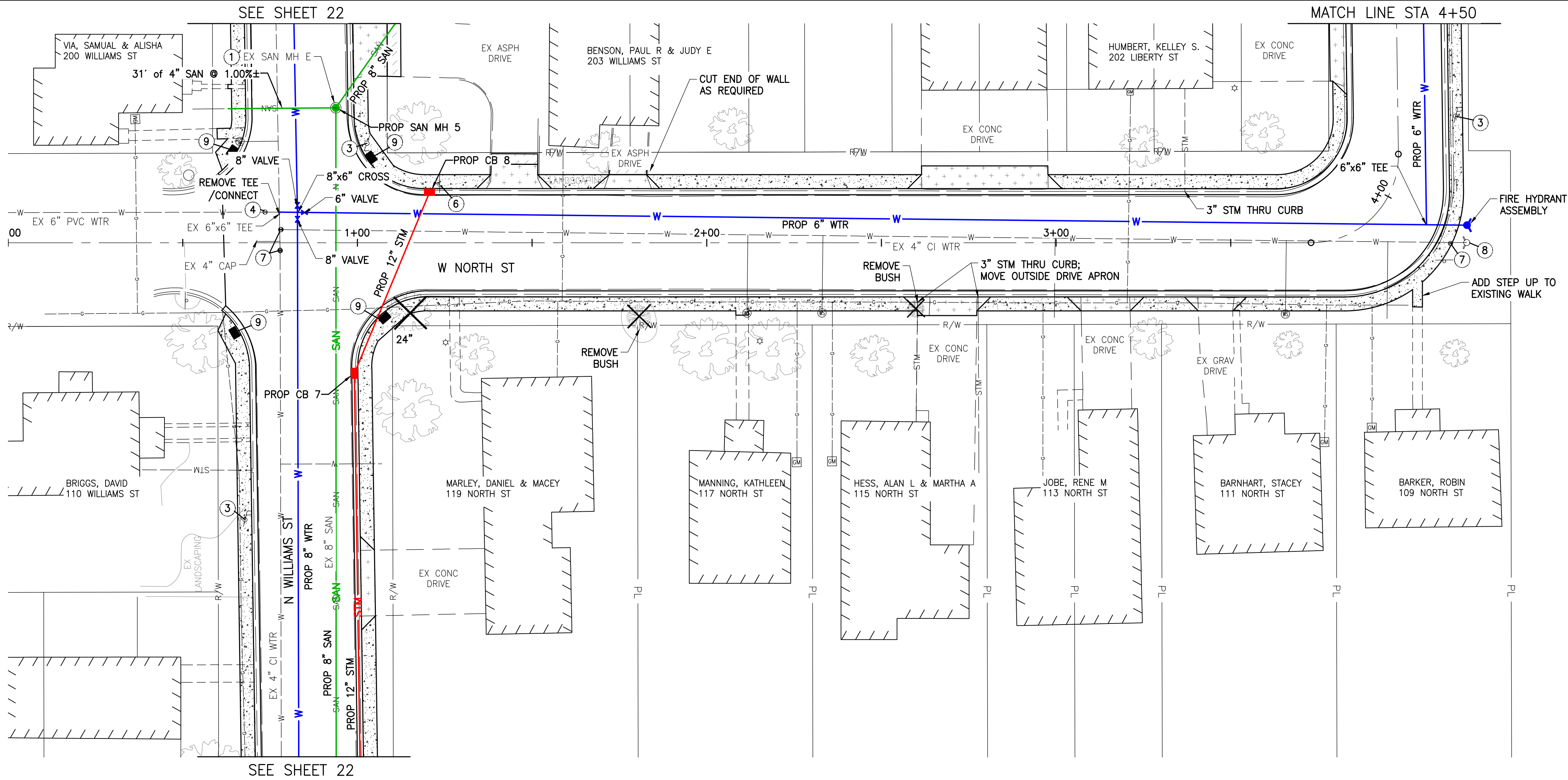
**PLAN & PROFILE - WILLIAMS ST
STA 18+00 - END**

REV NO	REV DATE	REVISION COMMENTS

23

25

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KEY NOTES

- 1 Remove Ex Sanitary Manhole
- 2 Remove Ex Catch Basin
- 3 Relocate Pole (By Others)
- 4 Adjust Valve to Grade
- 5 Relocate Mailbox
- 6 Remove & Re-erect Sign
- 7 Abandon Valve
- 8 Remove Hydrant
- 9 Curb Ramp w/Detectable Warnings

LEGEND

- 4" CONCRETE SIDEWALK
- 6" CONCRETE DRIVE APRON
- 9" CONCRETE DRIVE APRON
- BUTT JOINT

EXISTING STRUCTURES

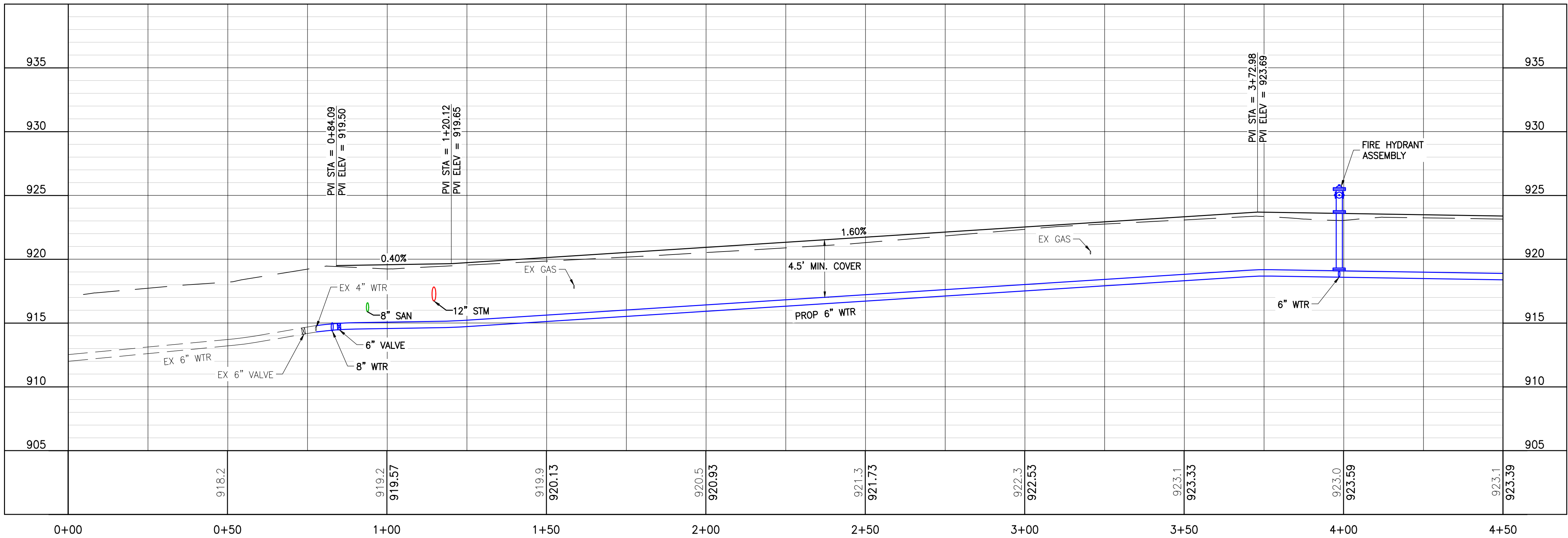
EX SAN MH 5
RIM: 919.02
4"(W) INV: 916.32
8"(N) INV: 916.02
8"(S) INV: 916.02

PROPOSED STRUCTURES

PROP CB 7
T/C: 919.50
12"(S) INV: 916.69
12"(NE) INV: 916.69

PROP CB 8
T/C: 919.57
12"(SW) INV: 916.81

PROP SAN MH 5
RIM: 918.94
8"(S) INV: 916.02
8"(NE) INV: 916.02
4"(W) INV: 916.32



WILLIAMS, NORTH, & LIBERTY
STREET IMPROVEMENTS

VILLAGE OF PLEASANT HILL
MIAMI COUNTY, OHIO

PLAN & PROFILE - NORTH ST
STA 0+00 - 4+50

REV NO	REV DATE	REVISION COMMENTS

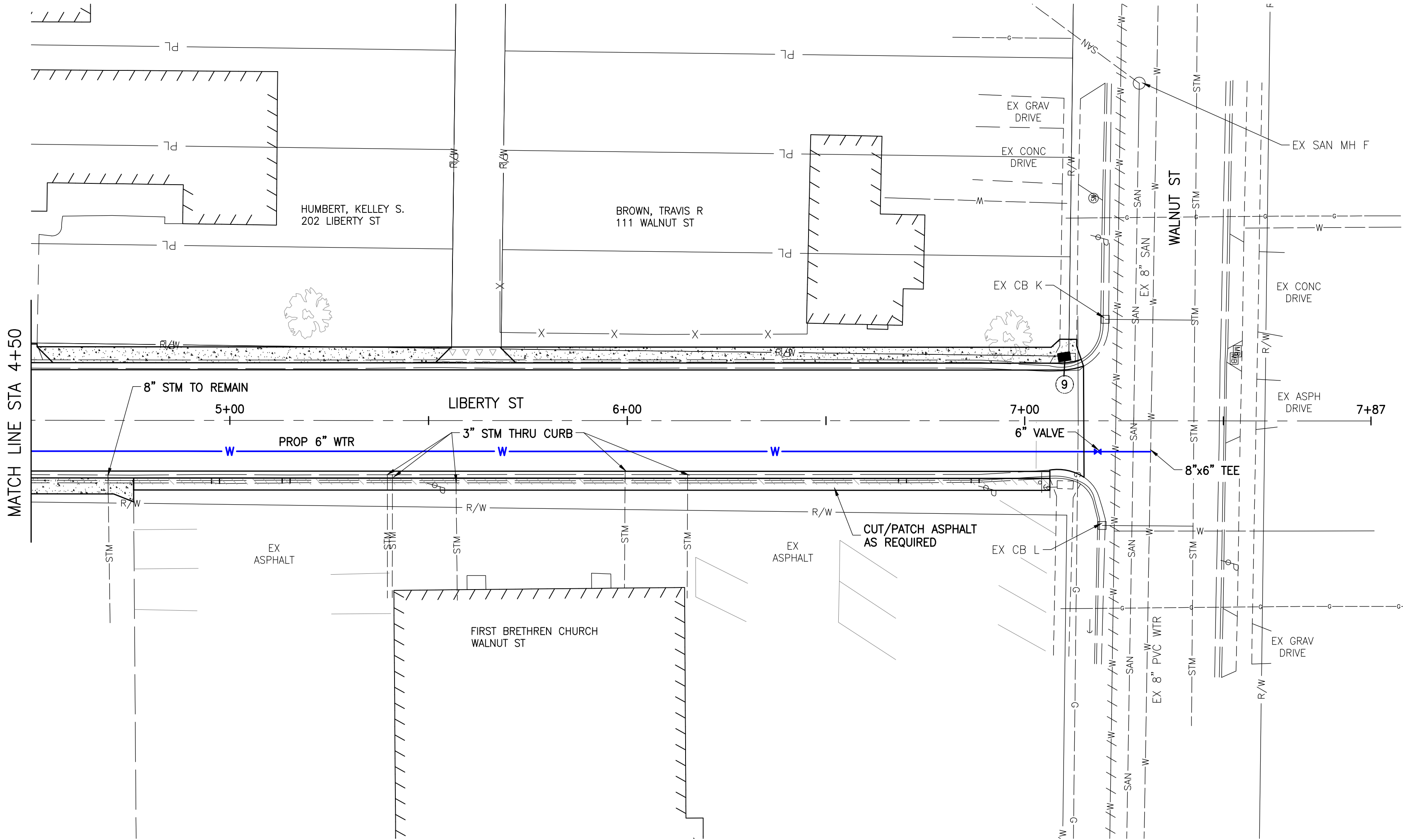
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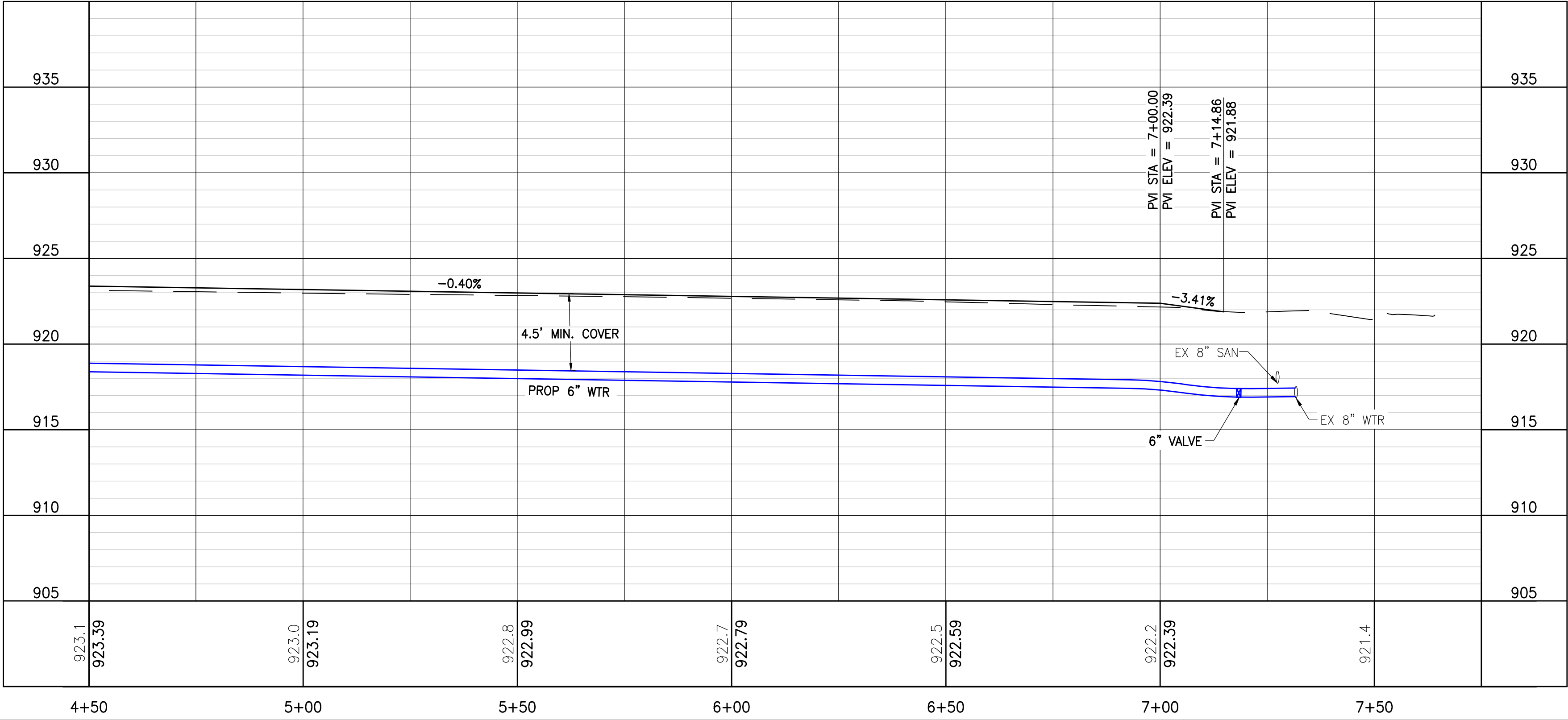
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PROJECT NO: C25019.1A
DATE: SEPTEMBER 2026
DRAWN BY: AMS
CHECKED BY: BMM

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NOTE: ALL SANITARY AND WATER LATERALS TO BE REPLACED ALONG NEW MAINLINES INSTALLED AS PART OF PROJECT.



KEY NOTES

- 1 Remove Ex Sanitary Manhole
- 2 Remove Ex Catch Basin
- 3 Relocate Pole (By Others)
- 4 Adjust Valve to Grade
- 5 Relocate Mailbox
- 6 Remove & Re-erect Sign
- 7 Abandon Valve
- 8 Remove Hydrant
- 9 Curb Ramp w/Detectable Warnings

LEGEND

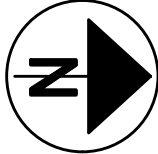
- 4" CONCRETE SIDEWALK
- 6" CONCRETE DRIVE APRON
- 9" CONCRETE DRIVE APRON
- BUTT JOINT

EXISTING STRUCTURES

EX CB K
RIM: 921.34
12"(N) INV: 918.79

EX CB L
RIM: 921.91
12"(N) INV: 919.51

EX SAN MH F
RIM: 920.50
4"(N) INV: 917.60
4"(NW) INV: 917.50
8"(E) INV: 917.40
8"(SW) INV: 917.30



0 20' 40'
SCALE: 1"= 20' (22" x 34")
SCALE: 1"= 40' (11" x 17")

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PROJECT NO: C25019.1A
DATE: SEPTEMBER 2026
DRAWN BY: AMS
CHECKED BY: BMM

WILLIAMS, NORTH, & LIBERTY
STREET IMPROVEMENTS

VILLAGE OF PLEASANT HILL
MIAMI COUNTY, OHIO

PLAN & PROFILE - LIBERTY ST
STA 4+50 - END

REV NO	REV DATE	REVISION COMMENTS