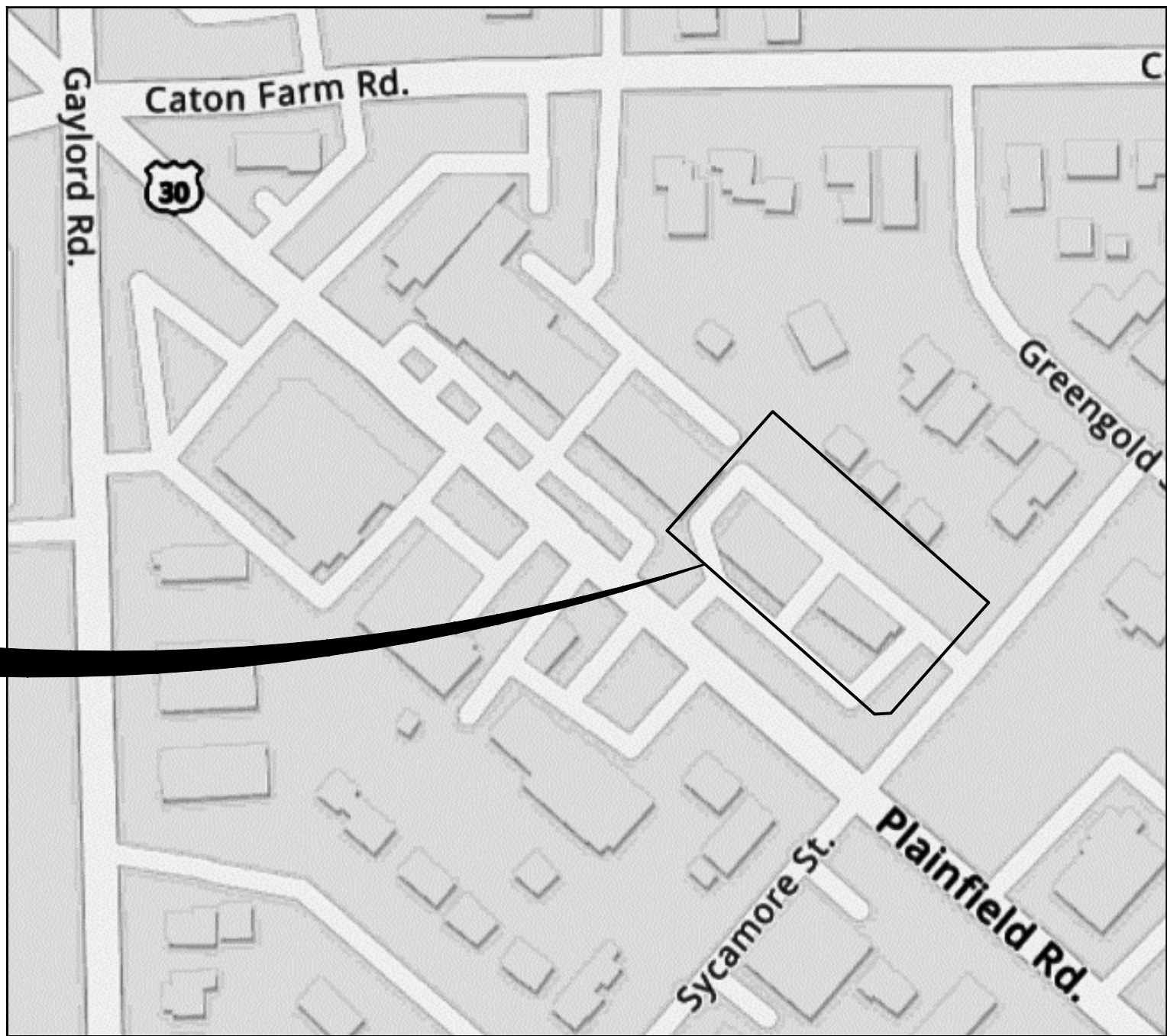


2350 PLAINFIELD ROAD
CREST HILL, ILLINOIS

LEGEND

EXISTING		PROPOSED	
⊙	MANHOLE	⊙	DECIDUOUS TREE
○	CATCH BASIN	●	EVERGREEN TREE
□	INLET	■	
⊗	CLEANOUT	⊕	
⊗	FLARED END SECTION	⊗	OVERLAND FLOOD ROUTE
⊗	WATER VALVE BOX	⊗	DRAINAGE ROUTE
⊗	BUFFALO BOX (B.BOX)	⊗	DOWNSPOUT
⊗	WATER VALVE & VAULT	⊗	SILT FENCE LINE
⊗	FIRE HYDRANT	⊗	INLET SILT PROTECTION
⊗	WELL	⊗	COIR LOG SILT PROTECTION
⊗	GAS VALVE	⊗	DEPRESSED CURB
⊗	GAS METER	⊗	SOIL EROSION GEOTEXTILE PROTECTION
⊗	COMMUNICATION CANISTER	⊗	CONCRETE
⊗	COMMUNICATION HANDHOLE	⊗	BRICK
⊗	COMMUNICATION MANHOLE	⊗	ASPHALT
⊗	ELECTRIC CANISTER	⊗	BUILDING
⊗	ELECTRIC HANDHOLE	⊗	GRAVEL
⊗	ELECTRIC MANHOLE	⊗	STONE
⊗	ELECTRIC METER	⊗	DS DOWNSPOUT
⊗	TRAFFIC SIGNAL	⊗	F/F FINISHED FLOOR
⊗	TRAFFIC HANDHOLE	⊗	G/F GARAGE FLOOR
⊗	TRAFFIC CONTROL BOX	⊗	T/F TOP OF FOUNDATION
⊗	UTILITY POLE	⊗	BC BACK OF CURB
⊗	UTILITY POLE W/ LIGHT	⊗	EP EDGE OF PAVEMENT
⊗	STREET LIGHT	⊗	EW EDGE OF WALK
⊗	STREET SIGN		
⊗	BORING LOCATION		
⊗	MAILBOX		
+ 699.5	SPOT ELEVATIONS	+ 699.74	
---	PROPERTY LINE	---	
---	ADJACENT PROPERTY LINE	---	
---	EASEMENT LINE	---	
---	SETBACK LINE	---	
---	RIGHT OF WAY LINE	---	
---	STORM SEWER LINE	---	
---	SANITARY SEWER LINE	---	
---	WATERMAIN LINE	---	
---	UNDERGROUND GAS LINE	---	
---	UNDERGROUND COMM. LINE	---	
---	UNDERGROUND ELECTRIC	---	
---	OVERHEAD UTILITY	---	
---	FENCE LINE	---	
---	GUARDRAIL LINE	---	
---	CONTOUR LINE	---	

PROJECT LOCATION



PROJECT LOCATION MAP

PREPARED FOR
ENTERPRISE CONSTRUCTION GROUP, INC.
PO BOX 791
WORTH, ILLINOIS, 60482

NOTICE TO CONTRACTORS

EXISTING UTILITIES

WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF OVERHEAD AND/OR UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO THE LOCATION OF SUCH UTILITIES AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER. THE ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER IN RESPECT TO THE SUFFICIENCY OR VERACITY OF THE INFORMATION SHOWN ON THE PLANS RELATIVE TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES OR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES. HE SHALL ALSO OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR REMOVING OR ADJUSTING THEM.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL PUBLIC AND PRIVATE UTILITY COMPANIES WHICH MAY HAVE OVERHEAD OR UNDERGROUND FACILITIES IN THE AREA BEFORE CONSTRUCTION BEGINS. (SEE SPECIFICATIONS)

ENGINEER'S CERTIFICATION

STATE OF ILLINOIS)
SS.
COUNTY OF DuPAGE)

I, ERIC FOYTIK, A REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS, HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY MORRIS ENGINEERING, INC. 515 WARRENVILLE ROAD, LISLE, ILLINOIS, 60532 UNDER MY PERSONAL DIRECTION. THIS TECHNICAL SUBMISSION IS INTENDED TO BE USED AS AN INTEGRAL PART OF AND IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS. I FURTHER STATE THAT THE PROPOSED IMPROVEMENTS WILL NOT CAUSE PONDING OR FLOODING ON THE PROPERTY OR ADJACENT PROPERTIES.

DATED THIS 4TH DAY OF AUGUST, A.D. 2026.

ILLINOIS REGISTERED PROFESSIONAL ENGINEER NO. 062-068043
MY REGISTRATION EXPIRES ON NOVEMBER 30, 2027

INDEX OF SHEETS

- COVER SHEET
- GENERAL NOTES
- EXISTING CONDITIONS AND DEMOLITION PLAN
- GEOMETRIC PLAN
- UTILITY PLAN
- GRADING PLAN
- SWPPP NOTES
- SWPPP PLAN
- DETAILS
- DETAILS
- DETAILS
- DETAILS
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- DETAILS
- DETAILS

DATE	1	2	3	4	5	6
PER VILLAGE COMMENTS DATED 7/14/2026	8/04/2026					

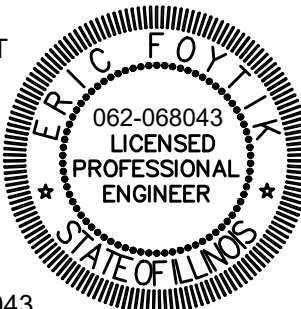
COVER SHEET

2350 PLAINFIELD ROAD
CREST HILL, ILLINOIS

Morris Engineering, Inc.
Civil Engineering - Consulting
Land Surveying
515 Warrenville Road, Lisle, IL 60532
Phone: (630) 271-1050
Fax: (630) 271-0559
Website: www.mecwi.com



FIELD CREW:	PIW
DRAWN BY:	CJS
CHECKED BY:	AS
APPROVED BY:	EF
DATE:	6/08/2026
SCALE:	HORIZ - VERT -
SHEET	1
OF 14 SHEETS	
PROJ # 26-PR-1008	



Know what's below.
Call before you dig.

SITE BENCHMARK #1

NORTH FLANGE BOLT ON HYDRANT ON THE NORTH CORNER OF PLAINFIELD ROAD AND SYCAMORE STREET.

NAVD88 ELEVATION = 630.27

SITE BENCHMARK #2

NORTH BOLT ON LIGHT BASE ON THE NORTHERLY SIDE OF PLAINFIELD ROAD APPROXIMATELY 31 FEET SOUTHEAST OF THE WEST PROPERTY CORNER

NAVD88 ELEVATION = 630.49

SOURCE BENCHMARK

DESIGNATION - WILL COUNTY GPS 419
PID - AE2556
STATE/COUNTY - IL/WILL
USGS QUAD - PLAINFIELD (2018)

THE STATION IS 1 FT SOUTHEAST OF THE BACK OF CURB OF COUNTY ROAD 36 (RENWICK ROAD), 40 FT SOUTH OF THE CENTERLINE OF COUNTY ROAD 36 (RENWICK ROAD), 30 FT EAST OF THE CENTERLINE OF GAYLORD ROAD, 25 FT WEST OF A TELEPHONE PEDESTAL AND 18 FT NORTH OF A 'STOP' SIGN.

NAVD88 ELEVATION: 620.97

8/4/2026 9:42:59 AM
C:\Users\scokum\Desktop\Projects\26-PR-1008 - 2350 Plainfield Rd., Crest Hill\Engineering\Rev-01\26-PR-1008_SITE_2026-08-04.dwg

GENERAL NOTES		DEMOLITION	WATERMAIN AND SANITARY SEWER NOTES	
1. ALL EARTHWORK, GRADING, UTILITIES, AND STREET IMPROVEMENTS WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, AND ALL REVISIONS THERETO. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND HEALTHFUL WORKING CONDITIONS IN ACCORDANCE WITH SECTION 107 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION THROUGHOUT THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. 3. SOIL EROSION AND SEDIMENTATION CONTROL PRACTICES AND DEVICES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE URBAN COMMITTEE OF THE ASSOCIATION OF ILLINOIS SOIL AND WATER CONSERVATION DISTRICTS' PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL IN ILLINOIS AND ALL REVISIONS THERETO AND IN ACCORDANCE WITH THE DETAILS ON THE PLANS. 4. THE CONTRACTOR SHALL BE AWARE OF POTENTIAL CONFLICTS WITH EXISTING UTILITIES AS INDICATED ON THE PLANS. THE CONTRACTOR SHALL EXCAVATE AROUND UTILITIES TO DETERMINE ELEVATIONS BEFORE BEGINNING CONSTRUCTION. 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING EACH OF THE UTILITY COMPANIES BEFORE ANY WORK COMMENCES. ALL UTILITIES SHALL BE STAKED PRIOR TO CONSTRUCTION. 6. THE OWNER WILL FURNISH THE CONTRACTOR WITH LINES, GRADES AND ELEVATIONS NECESSARY TO THE PROPER PROSECUTION AND CONTROL OF THE WORK ONCE. 7. THE CONTRACTOR SHALL GIVE THE ENGINEER AT LEAST SEVENTY-TWO (72) HOURS NOTICE FOR ANY STAKING TO BE DONE. EACH OF THE VARIOUS ITEMS OF WORK COVERED BY THIS CONTRACT WILL BE STAKED ONCE. ADDITIONAL STAKING REQUIRED DUE TO THE CONTRACTOR'S NEGLIGENCE IN PRESERVING THE STAKES SHALL BE PAID FOR BY THE CONTRACTOR AT THE CURRENT HOURLY RATE. 8. THE CONTRACTOR SHALL INFORM THE ENGINEER AND THE CITY OF CREST HILL AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. TELEPHONE NUMBERS: ENGINEER (630) 271-0770 CITY OF CREST HILL (815) 741-5106 9. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE PLANS AND SPECIFICATIONS AND SHALL INFORM THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES THAT THE CONTRACTOR DISCOVERS DURING THE BIDDING PERIOD. SAID DISCREPANCIES WILL BE CLARIFIED BY THE ENGINEER TO THE BEST OF HIS ABILITY PRIOR TO RECEIPT OF BIDS. THE ENGINEER WILL BE UNRECEPTIVE TO CLAIMS FOR ADDITIONAL COMPENSATION FOR WORK ITEMS BECAUSE OF CONTRACTOR'S LACK OF COMPLIANCE WITH THIS REQUIREMENT. 10. THE CONTRACTOR SHALL INFORM THE ENGINEER IMMEDIATELY OF ANY LATENT DISCREPANCIES THAT THE CONTRACTOR DISCOVERS DURING THE CONSTRUCTION PROCESS. THE ENGINEER WILL BE UNRECEPTIVE TO CLAIMS FOR ADDITIONAL COMPENSATION FOR WORK PERFORMED TO CORRECT A LATENT CONDITION NOT BROUGHT TO THE ATTENTION OF THE ENGINEER. 11. THE CONTRACTOR RESPONSIBLE FOR DRAINAGE IMPROVEMENTS (UNDERGROUND STRUCTURES AND CONDUITS) SHALL DISPOSE OF ALL SURPLUS EXCAVATED MATERIAL FROM TRENCHES OR STRUCTURE EXCAVATIONS AND SHALL DEPOSIT SAID SURPLUS MATERIALS ON THE SITE IN ACCORDANCE WITH THE GRADING PLAN OR AS DIRECTED BY THE ENGINEER. 12. THE CONTRACTOR SHALL NOT PLACE ANY EXCAVATED MATERIAL UPON ANY TOPSOIL. THE TOPSOIL SHALL BE REMOVED FROM ALL AREAS TO BE FILLED AND SHALL BE STOCKPILED IN AREAS AS DIRECTED BY THE ENGINEER. 13. THE CONTRACTOR SHALL NOT DISCHARGE INTO STREAMS, PONDS, WETLANDS OR ITS TRIBUTARIES ANY MOTOR OIL, TRANSMISSION FLUID, LUBRICANTS OR ANY OTHER PETROLEUM DISTILLATES, ANY PETROLEUM DISTILLATES DISCHARGED ON THE GROUND SURFACE SHALL BE PROMPTLY AND PROPERLY REMOVED PRIOR TO THE RESUMPTION OF ANY WORK ON THE PROJECT. 14. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING FIELD TILES. ANY FIELD TILES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS SOLE EXPENSE. INVESTIGATION SHALL BE MADE TO INSURE THAT FIELD TILES DO NOT CONVEY OFF SITE WATER. TILES THAT CONVEY OFF SITE WATER SHALL BE REROUTED THROUGH THE SITE. TILES THAT DO NOT CONVEY OFF SITE WATER SHALL BE ABANDONED IN AN APPROPRIATE MANNER APPROVED BY THE COUNTY ENGINEER. FIELD TILES WITHIN A RIGHT-OF-WAY SHALL BE REMOVED AND BACKFILLED WITH CA-6 COMPACTED IN EIGHT INCH LIFTS TO THE BOTTOM OF THE ROADWAY BASE. EXISTING FIELD TILES SHALL BE REMOVED BY SLIT TRENCHING. 15. THE CONTRACTOR RESPONSIBLE FOR DRAINAGE IMPROVEMENTS SHALL BE RESPONSIBLE TO PLACE ALL FIRE HYDRANTS FRAMES AND LIDS OR GRATES, AND ALL GRATES FOR MANHOLES, CATCH BASINS, INLETS AND VALVE VAULTS AT THE ELEVATIONS SHOWN AND SPECIFIED ON THE PLANS. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR SAID ADJUSTMENT AND THE COST OF SAID ADJUSTMENT SHALL BE INCLUDED IN THE UNIT PRICE FOR THE VARIOUS DRAINAGE STRUCTURES MENTIONED ABOVE. 16. ALL MANHOLES SHALL HAVE CONCRETE INVERTS CONFORMING TO THE SHAPE OF THE PIPE. CONCRETE INVERTS SHALL BE PLACED IN THE FIELD AND THE COST OF CONCRETE INVERTS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE VARIOUS INLETS AND MANHOLES. 17. WHERE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER, EXISTING DRAINAGE STRUCTURES AND SYSTEMS SHALL BE CLEANED OF DEBRIS AND PATCHED AS NECESSARY TO ASSURE INTEGRITY OF THE STRUCTURE. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR STRUCTURES AND CONTRACT UNIT PRICE PER LINEAL FOOT FOR SYSTEMS WHICH SHALL BE PAYMENT IN FULL FOR CLEANING, PATCHING, REMOVAL AND DISPOSAL OF DEBRIS AND DIRT. DRAINAGE STRUCTURES AND SYSTEMS CONSTRUCTED AS PART OF THIS PROJECT SHALL BE MAINTAINED BY THE CONTRACTOR AT HIS EXPENSE UNTIL FINAL ACCEPTANCE BY THE OWNER OR COUNTY. 18. THE CONTRACTOR SHALL KEEP PUBLIC STREET PAVEMENTS CLEAN OF DIRT AND DEBRIS AND, WHEN NECESSARY, SHALL ON A DAILY BASIS CLEAN THE PAVEMENT OF SUCH DIRT AND DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS. 19. THE CONTRACTOR SHALL PROVIDE PIPE BEDDING IN ACCORDANCE WITH THE DETAIL ON THE PLANS. THE COST OF THE BEDDING SHALL BE INCLUDED IN THE UNIT PRICE PER LINEAL FOOT OF THE VARIOUS SIZES OF STORM SEWER. NO ADDITIONAL COMPENSATION WILL BE MADE FOR PIPE BEDDING. 20. THE CONTRACTOR SHALL PLACE TOPSOIL AT A 4" MINIMUM DEPTH AND SEED OR SOD ALL AREAS DESIGNATED BY THE ENGINEER. 21. THE CONTRACTOR SHALL EXAMINE THE DRAINAGE PATTERNS SHOWN ON THE PLANS AND MAKE CERTAIN THAT ALL OVERFLOW POINT ELEVATIONS AND CROSS SECTIONS ARE CONSTRUCTED STRICTLY IN ACCORDANCE WITH THOSE SHOWN ON THE PLANS. 22. ALL CONSTRUCTION SHALL CONFORM WITH THE PERMIT PLANS AND REVISIONS THERETO APPROVED BY THE VILLAGE OF LYNWOOD. 23. THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (1-800-892-0123) PRIOR TO ANY WORK IN THE RIGHT OF WAY OR EASEMENTS TO LOCATE UTILITIES, AND CONTACT THE OWNER'S REPRESENTATIVE SHOULD PUBLIC UTILITIES APPEAR TO BE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS. 24. ALL WORK HEREIN PROPOSED SHALL BE COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STATE OF ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, THE MUNICIPALITY, AND ALL PERTINENT LAWS, DIRECTIVES, ORDINANCES AND THE LIKE SHALL BE CONSIDERED TO BE A PART OF THESE SPECIFICATIONS. 25. THE APPROXIMATE LOCATION OF KNOWN PUBLIC UTILITIES ARE SHOWN ON THE PLANS. HOWEVER, THE ENGINEER DOES NOT GUARANTEE ITS ACCURACY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING EACH OF THE UTILITY COMPANIES BEFORE ANY WORK COMMENCES. 26. ALL PROPOSED ELEVATIONS SHOWN ARE RELATIVE TO U.S.G.S. DATUM.		1. CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS. 2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY DEMOLITION PERMITS AND COORDINATE ALL DEMOLITION WITH THE CITY AND OWNERS REPRESENTATIVE TO ENSURE PROTECTION AND MAINTENANCE OF SANITARY SEWER AND WATER UTILITIES AS NECESSARY AND TO PROVIDE STORM WATER CONVEYANCE UNTIL NEW FACILITIES ARE CONSTRUCTED, TESTED AND PLACED INTO OPERATION. 3. CONTRACTOR SHALL DEVELOP AND IMPLEMENT A DAILY PROGRAM OF DUST CONTROL AND SHALL SUBMIT AND OBTAIN CITY APPROVAL OF DUST CONTROL PROCEDURES PRIOR TO DEMOLITION OF ANY STRUCTURES. MODIFICATION OF DUST CONTROL PROCEDURES SHALL BE PERFORMED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY AS REQUESTED. CONTRACTOR SHALL OBTAIN AND PAY FOR ANY PERMITS OR COSTS ASSOCIATED WITH DUST CONTROL. 4. THE CONTRACTOR SHALL ARRANGE FOR THE DISCONNECTION AND ABANDONMENT OF ALL UTILITY SERVICES INCLUDING WATER, SEWER, GAS, ELECTRIC, CABLE TV, AND TELEPHONE. 5. ALL EXISTING BUILDINGS, FOUNDATIONS, CONCRETE OR ASPHALT PAVEMENT OR WALKS, CURB AND GUTTER AND MISCELLANEOUS STRUCTURES (INCLUDING, BUT NOT LIMITED TO FENCES, POLES, YARD LIGHTS, ELECTRICAL PANELS, WHEEL STOPS AND MISCELLANEOUS DEBRIS) TO BE DEMOLISHED SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR. 6. ALL EXISTING TREES, BRUSH AND MISCELLANEOUS VEGETATION TO BE REMOVED SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR. 7. ALL EXISTING SANITARY SEWERS, STORM SEWERS, WATERMANS AND APPURTENANCES WITHIN THE AREA OF THE PROPOSED BUILDING AND OUTSIDE THE BUILDING INDICATED TO BE ABANDONED SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR. ALL OTHER PIPES SHALL BE SEALED WITH BRICK AND MORTAR AND LEFT IN PLACE. 8. ANY EXISTING SEPTIC TANKS AND GREASE TRAPS TO BE ABANDONED SHALL HAVE ALL LIQUIDS AND SOLIDS REMOVED AND DISPOSED OF BY A COMMERCIAL HAULER; AND THE TANK AND TRAPS SHALL THEN BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR. 9. ANY EXISTING WELLS TO BE ABANDONED SHALL BE EXCAVATED, EXPOSED AND SEALED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 920.120 OF THE ILLINOIS WATER WELL CONSTRUCTION CODE, DEPARTMENT OF PUBLIC HEALTH LATEST EDITION AND ALL APPLICABLE LOCAL RULES AND REGULATIONS. 10. VOIDS LEFT BY ANY ITEM REMOVED UNDER ANY PROPOSED BUILDING, PAVEMENT OR WALK OR WITHIN 24" THEREOF SHALL BE FILLED WITH CLEAN LOW VOID SELECT MATERIAL CONSISTING OF STONE, GRAVEL OR SAND COMPACTED TO 95% OF STANDARD PROCTOR. 11. ALL FIRE ACCESS LANES WITHIN THE PROJECT AREA SHALL REMAIN IN SERVICE, CLEAN OF DEBRIS AND ACCESSIBLE FOR USE BY EMERGENCY VEHICLES. 12. ANY ASBESTOS MATERIAL FOUND WITHIN EXISTING STRUCTURES SHALL BE REMOVED AND DISPOSED OF OFFSITE BY THE CONTRACTOR IN ACCORDANCE WITH COUNTY, STATE AND FEDERAL REGULATIONS. 13. ALL EXISTING FIELD DRAINAGE TILE OR STORM SEWERS ENCOUNTERED OR DAMAGED DURING CONSTRUCTION SHALL EITHER BE RESTORED TO THEIR ORIGINAL CONDITION, PROPERLY REROUTED AND/OR CONNECTED TO THE STORM SEWER SYSTEM.	1. ALL SANITARY SEWER AND WATERMAIN WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION. ENGLISH UNITS SHALL BE USED. 2. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION TO VERIFY IN THE FIELD THE LOCATIONS OF ALL EXISTING AND UNDERGROUND UTILITIES ADJACENT TO THE PROJECT, AND BE RESPONSIBLE FOR PROTECTION OF SAME. THE CONTRACTOR SHALL ALSO NOTIFY THE OWNER, MORRIS ENGINEERING, INC., THE CITY OF CREST HILL AND THEIR AGENTS AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION. 3. THE CONTRACTOR SHALL BEWARE OF POTENTIAL CONFLICTS WITH EXISTING UTILITIES AS INDICATED ON THE PLANS. THE CONTRACTOR SHALL EXCAVATE AROUND UTILITIES TO DETERMINE LOCATIONS AND ELEVATIONS OF ALL POTENTIALLY CONFLICTING UTILITIES BEFORE BEGINNING CONSTRUCTION. 4. ALL EXISTING FIELD DRAINAGE TILES ENCOUNTERED OR DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION, PROPERLY REROUTED AND/OR CONNECTED TO THE STORM SYSTEM. ALL LOCATIONS OF ENCOUNTERED FIELD DRAINAGE TILE SHALL BE PROPERLY INDICATED ON THE RECORD SET OF DRAWINGS. 5. THE CONTRACTOR RESPONSIBLE FOR SANITARY AND WATERMAIN IMPROVEMENTS (UNDERGROUND STRUCTURES AND CONDUITS) SHALL DISPOSE OF ALL SURPLUS EXCAVATED MATERIAL FROM TRENCHES OR STRUCTURE EXCAVATIONS AND SHALL DEPOSIT SAID SURPLUS MATERIALS ON THE SITE IN ACCORDANCE WITH THE GRADING PLAN OR AS DIRECTED BY THE ENGINEER. 6. ALL EXISTING UTILITIES OR IMPROVEMENTS, INCLUDING WALKS, CURBS, PAVEMENT AND PARKWAYS DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE PROMPTLY RESTORED TO THEIR RESPECTIVE ORIGINAL CONDITION. 7. ANY EXISTING UTILITY STRUCTURES REQUIRING ADJUSTMENT SHALL BE ADJUSTED (UP TO 8" TOTAL ADJUSTMENT) OR RECONSTRUCTED BY THE CONTRACTOR. ADJUSTMENTS OR RECONSTRUCTIONS NOT CALLED FOR ON THE PLANS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. 8. SANITARY SEWERS AND WATERMAIN SHALL HAVE A MINIMUM OF 5.5 FEET OF COVER AND SHALL BE RUN IN STRAIGHT ALIGNMENT BETWEEN STRUCTURES UNLESS SPECIFICALLY SHOWN OTHERWISE ON THE PLANS. 9. ALL WATERMAIN SHALL BE CEMENT LINED DUCTILE IRON PIPE, CLASS 52 CONFORMING TO AWWA C-150 WITH PUSH-ON OR MECHANICAL JOINTS. 10. VALVE VAULT FRAMES AND LIDS SHALL BE NEENAH R1772-C OR APPROVED EQUAL WITH LIDS IMPRINTED "WATER". 11. POLYETHYLENE FILM WRAP FOR WATERMAIN IN ACCORDANCE WITH AWWA C-105-82 SHALL BE PLACED OVER ALL WATER MAIN SUCH THAT THE WATER MAIN SHALL NOT BE IN DIRECT CONTACT WITH THE TRENCH SOIL. THIS ITEM WILL BE INCIDENTAL TO THE WATERMAIN. -OR- POLYETHYLENE FILM WRAP FOR WATERMAIN IN ACCORDANCE WITH AWWA C-105-82 SHALL BE PLACED OVER ALL WATER MAIN SUCH THAT THE WATER MAIN SHALL NOT BE IN DIRECT CONTACT WITH THE TRENCH SOIL. THIS ITEM WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LINEAL FOOT. 12. ALL WATER MAINS SHALL BE PRESSURE TESTED AND DISINFECTED IN ACCORDANCE WITH STANDARDS AND PROCEDURES MEETING THE APPROVAL OF THE CITY OF CREST HILL. THE COST OF TESTING AND DISINFECTION SHALL BE INCLUDED IN THE COST OF WATERMAIN INSTALLATION. 13. WATERMAIN DISINFECTIONS SHALL BE PERFORMED BY FLUSHING, THEN CHLORINATING AT A RATE OF 50 PPM TO INSURE A RESIDUAL OF 25 PPM AFTER 24 HOURS. THEN AFTER A SECOND FLUSHING A MINIMUM OF TWO WATER SAMPLES ON TWO CONSECUTIVE DAYS 24 HOURS APART SHALL BE TAKEN TO AN APPROVED TESTING SERVICE. 14. THE CONTRACTOR SHALL PROVIDE A SAMPLING TAP IF REQUIRED AT NO EXTRA COST. 15. FIRE HYDRANTS SHALL BE OF THE TYPE SHOWN ON THE WATER DETAIL SHEET OF THE PLANS. 16. WATER SERVICES SHALL INCLUDE THE NECESSARY LENGTH OF TYPE "K" COPPER WATER TUBE OF THE SIZE SHOWN ON THE PLANS, CORPORATION STOP, CURB STOP, AND SERVICE BOX, AS REQUIRED BY THE CITY OF CREST HILL, AND ALL NECESSARY LABOR, TOOLS, EQUIPMENT, EXCAVATION & BACKFILL FOR A COMPLETE INSTALLATION AS SHOWN ON THE PLANS. TRENCH BACKFILL WILL BE PAID FOR SEPARATELY, WHEN REQUIRED. ALL WATER SERVICE LINES SHALL BE CLASS "K" COPPER OR DUCTILE IRON PIPE (CLASS 52) AWWA-C800 WITH "PUSH ON" JOINTS, CEMENT LINED IN ACCORDANCE WITH ASA A21.04. 17. TERMINATION STUBS OF PROPOSED WATERMAIN ARE TO BE PROPERLY CAPPED USING PLUGS COMPATABLE WITH THE SPECIFIED PIPE MATERIAL. EACH PLUG SHALL HAVE CONCRETE ENCASEMENT AND A 2x2 PAINTED BLUE PLACED VERTICALLY TO MARK THE PLUG LOCATION. 18. CONNECTIONS TO EXISTING SANITARY SEWER AND WATER SYSTEMS SHALL BE PAID AT THE CONTRACT UNIT PRICE. -OR- CONNECTIONS TO EXISTING SANITARY SEWER AND WATER SYSTEMS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. 19. THE OWNER SHALL OBTAIN A PERMIT FROM THE CONCERNED GOVERNMENT AGENCY TO CONNECT TO THE WATER SYSTEM, AND PAY ANY FEES REQUIRED OF SUCH AGENCY. 20. SANITARY MANHOLE FRAMES AND LIDS SHALL BE NEENAH R-1772-A OR APPROVED EQUAL, WITH LIDS IMPRINTED "SANITARY" AND WITH RECESSED PICK HOLES. 21. "BAND SEAL" OR SIMILAR COUPLINGS SHALL BE USED WHEN JOINING SEWER PIPES OF DISSIMILAR MATERIALS. 22. SANITARY SEWER TESTING SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS. SANITARY SEWERS SHALL BE AIR TESTED AND DEFLECTION TESTED. -OR- ALL SANITARY SEWERS SHALL PASS INFILTRATION AND/OR EXFILTRATION TESTS. THE LIMIT OF INFILTRATION OR EXFILTRATION SHALL BE 200 GALLONS PER DAY PER INCH DIAMETER PER MILE OF PIPE. 23. ALL SANITARY SEWER SHALL BE CONSTRUCTED WITH COARSE GRAVEL, 1/4 TO 3/4 INCH IN SIZE, WITH A MINIMUM THICKNESS EQUAL TO 1/4 OF THE OUTSIDE DIAMETER OF THE SEWER, BUT NOT LESS THAN 4 INCHES BELOW THE BOTTOM OF THE PIPE AND NOT LESS THAN 6 INCHES ABOVE THE TOP OF THE PIPE. BEDDING SHALL BE CLASS II, ASTM D2321. 24. THE COST OF PIPE BEDDING SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF THE SANITARY SEWER ITEMS. 25. GRANULAR CRADLE CONFORMING TO THE DETAIL SHOWN ON THE DETAIL SHEET OF THE PLANS SHALL BE PLACED IN ANY UTILITY TRENCH OVER WHICH ANOTHER UTILITY PASSES. 26. COMPACTED GRANULAR TRENCH BACKFILL SHALL BE USED IN ALL LOCATIONS WHERE THE PROPOSED UNDERGROUND UTILITY IS TO BE CONSTRUCTED UNDER OR WITHIN TWO (2) FEET OF PERMANENT TYPE PAVEMENTS, DRIVEWAYS, OR SIDEWALKS OR IN LOCATIONS AS DIRECTED BY THE ENGINEER. TRENCH BACKFILL SHALL BE EXTENDED TWO (2) FEET ON EACH SIDE OF THE PERMANENT TYPE SURFACE. 27. TRENCH BACKFILL WILL BE PAID FOR IN ACCORDANCE WITH IDOT'S LATEST EDITION OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.	28. SANITARY SEWER STRUCTURES SHALL BE ASSEMBLED AND ADJUSTED USING BUTYL MASTIC MATERIAL AS SHOWN ON THE PLANS AND MEETING THE APPROVAL OF THE CITY OF CREST HILL. 29. ADJUSTMENT OF NEW FRAMES OF ALL MANHOLES OR VALVE VAULTS SHALL BE MADE WITH PRECAST CONCRETE ADJUSTING RINGS SET IN PREFORMED BUTYL MASTIC RUB-R-NEK OR APPROVED EQUAL, AND NO MORE THAN 6" OF ADJUSTING RINGS WILL BE PERMITTED. 30. ALL NEW SANITARY SEWERS SHALL HAVE WYES FOR PROPOSED BUILDING SERVICES. ALL CONNECTIONS TO EXISTING SANITARY SEWERS NOT HAVING WYES SHALL BE MADE WITH A "SEWER TAP" FOR BUILDING SERVICES AND WITH A MANHOLE FOR SEWER EXTENSIONS. ALL TAPS SHALL INCLUDE A PROPERLY INSTALLED HUB WYE SADDLE. 31. THE SANITARY SEWER SERVICE OR MAIN SHALL BE REINFORCED CONCRETE PIPE (RCP) WITH MINIMUM STANDARD DIMENSIONS RATIO (SDR) OF 26 AND CONFORM WITH ASTM SPECIFICATION D-3034 AND SHALL BE CONSTRUCTED WITH JOINTS MEETING ASTM D-3212. -OR- ALL SANITARY SERVICE LINES SHALL BE DUCTILE IRON PIPE CLASS 52 OR PVC ASTM D2241, SDR 21 WITH ASTM D3139 JOINTS, EXCEPT AS NOTED. -OR- THE SANITARY SEWER SHALL BE POLYVINYL CHLORIDE (PVC) WITH MINIMUM STANDARD DIMENSIONS RATIO (SDR) OF 26 AND CONFORM WITH ASTM SPECIFICATION D-3034 AND SHALL BE CONSTRUCTED WITH JOINTS MEETING ASTM D-3212. 32. ALL PVC PIPE SHALL BE TESTED FOR DEFLECTION IN ACCORDANCE WITH SECTION 31-1.11C(4) OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION. 33. AT THE COMPLETION OF THIS PROJECT ONE SET OF RECORD PLANS IS TO BE SUBMITTED TO THE ENGINEER SHOWING THE LOCATION OF ALL OF THE SERVICES, PIPES, STRUCTURES, GRADING AND UTILITIES. 34. ALL SERVICES SHALL BE MARKED AT THE PROPERTY LINE USING A 2x2 PAINTED BLUE FOR WATER AND GREEN FOR SANITARY. 35. ALL FLOOR DRAINS SHALL BE CONNECTED TO THE SANITARY SEWER.
PROTECTION OF WATER MAIN & WATER MAIN SERVICE LINES WATER MAINS AND WATER SERVICE LINES SHALL BE PROTECTED FROM SANITARY SEWERS, STORM SEWERS, COMBINED SEWERS, HOUSE SEWER SERVICE CONNECTIONS AND DRAINS AS FOLLOWS: a) WATER MAINS: 1) HORIZONTAL SEPARATION: A) WATER MAINS SHALL BE LAID AT LEAST TEN FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED DRAIN, STORM SEWER, SANITARY SEWER, COMBINED SEWER OR SEWER SERVICE CONNECTION. B) WATER MAINS MAY BE LAID CLOSER THAN TEN FEET TO A SEWER LINE WHEN: i) LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF TEN FEET; ii) THE WATER MAIN INVERT IS AT LEAST 18 INCHES ABOVE THE CROWN OF THE SEWER; AND iii) THE WATER MAIN IS EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON AN UNDISTURBED EARTH SHELF LOCATED TO ONE SIDE OF THE SEWER. C) BOTH THE WATER MAIN AND DRAIN OR SEWER SHALL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE, ASBESTOS-CEMENT PRESSURE PIPE, PRESTRESSED CONCRETE PIPE, OR PVC PIPE MEETING THE REQUIREMENTS OF SECTION 41 OF THE STANDARD SPECIFICATION FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS LATEST EDITION, WHEN IT IS IMPOSSIBLE TO MEET (A) OR (B) ABOVE. THE DRAIN OR SEWER SHALL BE PRESSURE TESTED TO THE MAXIMUM EXPECTED SURCHARGE HEAD BEFORE BACKFILLING. D) CONSTRUCTION SHALL EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE NORMAL DISTANCE FROM THE WATER MAIN TO THE SEWER OR DRAIN LINE IS AT LEAST TEN FEET. 2) VERTICAL SEPARATION: A) A WATER MAIN SHALL BE LAID SO THAT ITS INVERT IS 18 INCHES ABOVE THE CROWN OF THE DRAIN OR SEWER WHENEVER WATER MAINS CROSS STORM SEWERS, SANITARY SEWERS OR SEWER SERVICE CONNECTIONS. THE VERTICAL SEPARATION SHALL BE MAINTAINED FOR THAT PORTION OF THE WATER MAIN LOCATED WITHIN TEN FEET HORIZONTALLY OF ANY SEWER OR DRAIN CROSSED. A LENGTH OF WATER MAIN PIPE SHALL BE CENTERED OVER THE SEWER TO BE CROSSED WITH JOINTS EQUIDISTANT FROM THE SEWER OR DRAIN. B) BOTH THE WATER MAIN AND SEWER SHALL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE, ASBESTOS-CEMENT PRESSURE PIPE, REINFORCED CONCRETE PRESSURE PIPE (AWWA C303), OR PVC PIPE MEETING REQUIREMENTS OF SECTION 41 OF THE STANDARD SPECIFICATION FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS LATEST EDITION, WHEN: i) IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION AS DESCRIBED IN (1) ABOVE; OR ii) THE WATER MAIN PASSED UNDER A SEWER OR DRAIN. C) A VERTICAL SEPARATION OF 18 INCHES BETWEEN THE INVERT OF THE SEWER OR DRAIN AND THE CROWN OF THE WATER MAIN SHALL BE MAINTAINED WHERE A WATER MAIN CROSSES UNDER A SEWER. SUPPORT THE SEWER OR DRAIN LINES TO PREVENT SETTLING AND BREAKING THE WATER MAIN. D) CONSTRUCTION SHALL EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE NORMAL DISTANCE FROM THE WATER MAIN TO THE SEWER OR DRAIN LINE IS AT LEAST TEN FEET.				

GENERAL NOTES		2350 PLAINFIELD ROAD CREST HILL, ILLINOIS	
Morris Engineering, Inc. Civil Engineering • Consulting Land Surveying 515 Warrenville Road, Suite J, 60532 Phone: (630) 271-0770 Survey: (630) 271-0599 FAX: (630) 271-0774 Website: www.mecivil.com			
FIELD CREW:	PW	SHEET	
DRAWN BY:	CJS	2	
CHECKED BY:	AS	OF 14 SHEETS	
APPROVED BY:	EF	PROJ # 26-PR-1008	
DATE:	6/08/2026		
SCALE:	HORIZ - VERT -		

b) WATER SERVICE LINES:

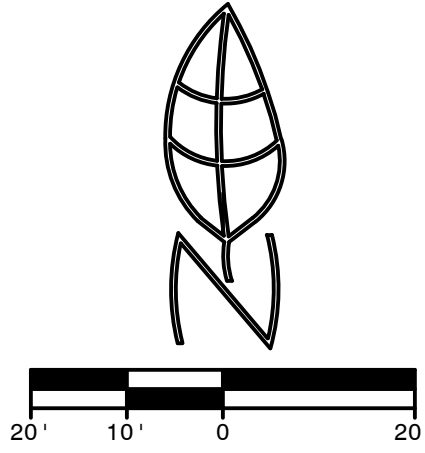
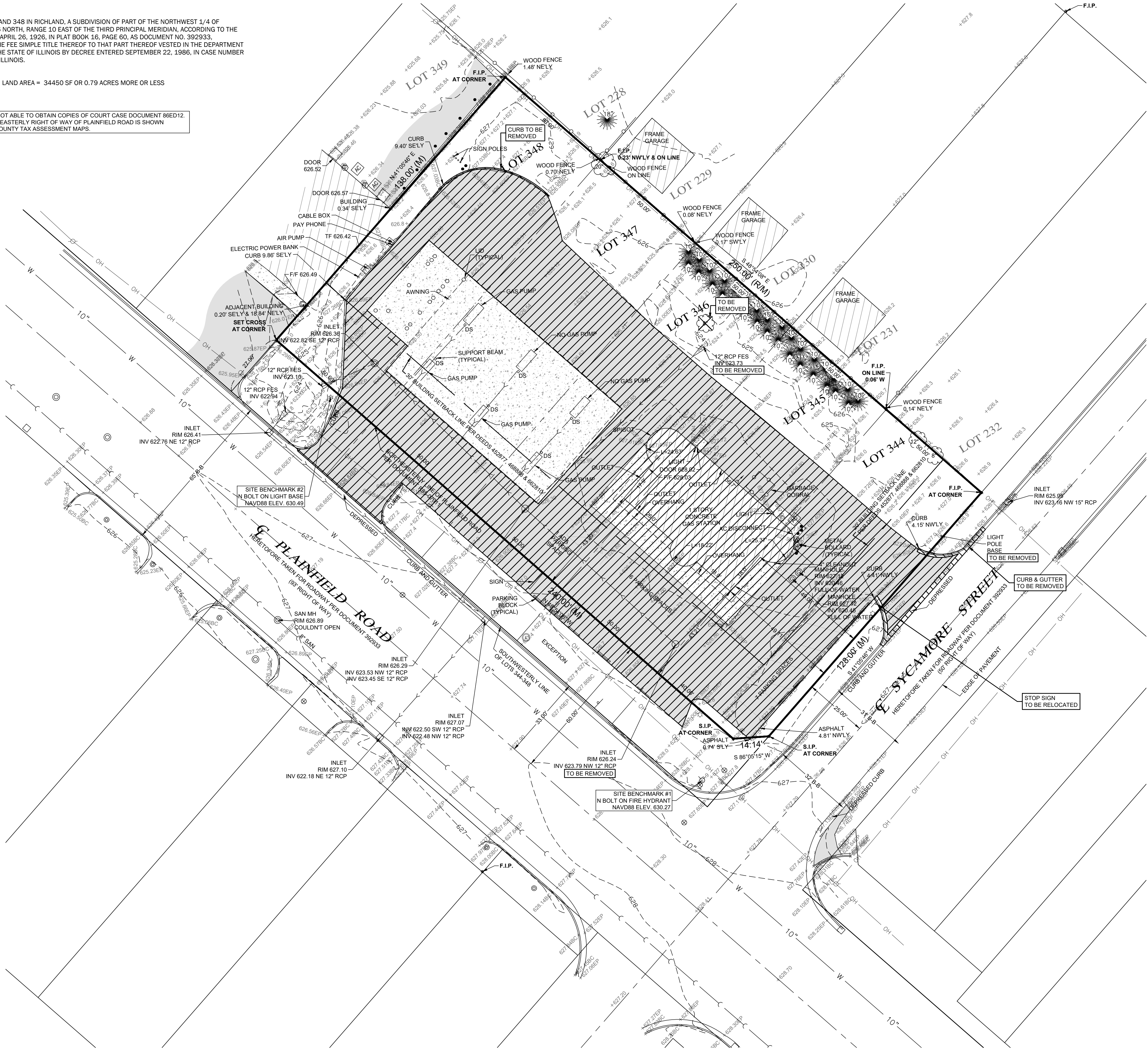
1) THE HORIZONTAL AND VERTICAL SEPARATION BETWEEN WATER SERVICES LINES AND ALL STORM SEWERS, SANITARY SEWERS, COMBINED SEWERS OR ANY DRAIN OR SEWER SERVICE CONNECTION SHALL BE THE SAME AS WATER MAIN SEPARATION DESCRIBED IN (1) ABOVE.
2) WATER PIPE DESCRIBED IN (1) ABOVE SHALL BE USED FOR SEWER SERVICE LINES WHEN MINIMUM HORIZONTAL AND VERTICAL SEPARATION CANNOT BE MAINTAINED.
c) SPECIAL CONDITIONS - ALTERNATE SOLUTIONS SHALL BE PRESENTED TO THE AGENCY WHEN EXTREME TOPOGRAPHICAL, GEOLOGICAL OR EXISTING STRUCTURAL CONDITIONS MAKE STRICT COMPLIANCE WITH (1) AND (2) ABOVE TECHNICALLY AND ECONOMICALLY IMPRACTICAL. ALTERNATE SOLUTIONS WILL BE APPROVED PROVIDED WATERTIGHT CONSTRUCTION STRUCTURALLY EQUIVALENT TO APPROVED WATER MAIN MATERIAL IS PROPOSED.
d) WATER MAINS SHALL BE SEPARATED FROM SEPTIC TANKS, DISPOSAL FIELD AND SEEPAGE BEDS BY A MINIMUM OF 25 FEET.
e) WATER MAINS AND WATER SERVICE LINES SHALL BE PROTECTED AGAINST ENTRANCE OF HYDROCARBONS THROUGH DIFFUSION THROUGH ANY MATERIAL USED IN CONSTRUCTION OF THE LINE.

	DATE 8/04/2026 PER VILLAGE COMMENTS DATED 7/14/2026		GENERAL NOTES	
1		2350 PLAINFIELD ROAD CREST HILL, ILLINOIS		
2				
3				
4				
5				
6				
MORRIS ENGINEERING, INC. Civil Engineering - Consulting Land Surveying 515 Wrenwille Road, Lisle, IL 60532 Phone: (630) 271-10770 Survey: (630) 271-10599 Fax: (630) 271-0774 Website: www.edwi.com		FIELD CREW: PIW DRAWN BY: CJS CHECKED BY: AS APPROVED BY: EF DATE: 8/08/2026 SCALE: HORIZ - VERT - SHEET 2 OF 14 SHEETS PROJ # 26-PR-1008		


LOTS 344, 345, 346, 347, AND 348 IN RICHLAND, A SUBDIVISION OF PART OF THE NORTHWEST 1/4 OF SECTION 31, TOWNSHIP 36 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED APRIL 26, 1926, IN PLAT BOOK 16, PAGE 60, AS DOCUMENT NO. 392933, EXCEPTING THEREFROM THE FEE SIMPLE TITLE THEREOF TO THAT PART THEREOF VESTED IN THE DEPARTMENT OF TRANSPORTATION OF THE STATE OF ILLINOIS BY DECREE ENTERED SEPTEMBER 22, 1986, IN CASE NUMBER 86ED12, IN WILL COUNTY, ILLINOIS.

LAND AREA = 34450 SF OR 0.79 ACRES MORE OR LESS

WE WERE NOT ABLE TO OBTAIN COPIES OF COURT CASE DOCUMENT 86ED12. THE NORTHEASTERLY RIGHT OF WAY OF PLAINFIELD ROAD IS SHOWN PER WILL COUNTY TAX ASSESSMENT MAPS.



EXISTING CONDITIONS AND DEMOLITION PLAN

2350 PLAINFIELD ROAD
CREST HILL, ILLINOIS

Morris Engineering, Inc.
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APPROVED BY: EF
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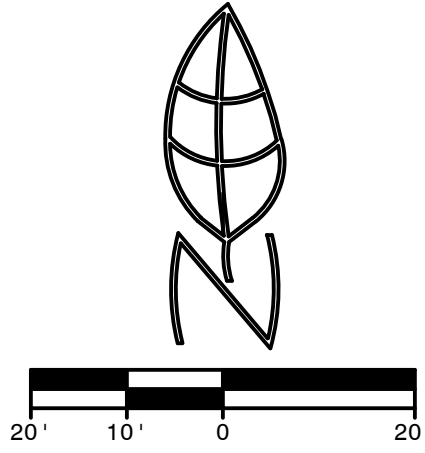
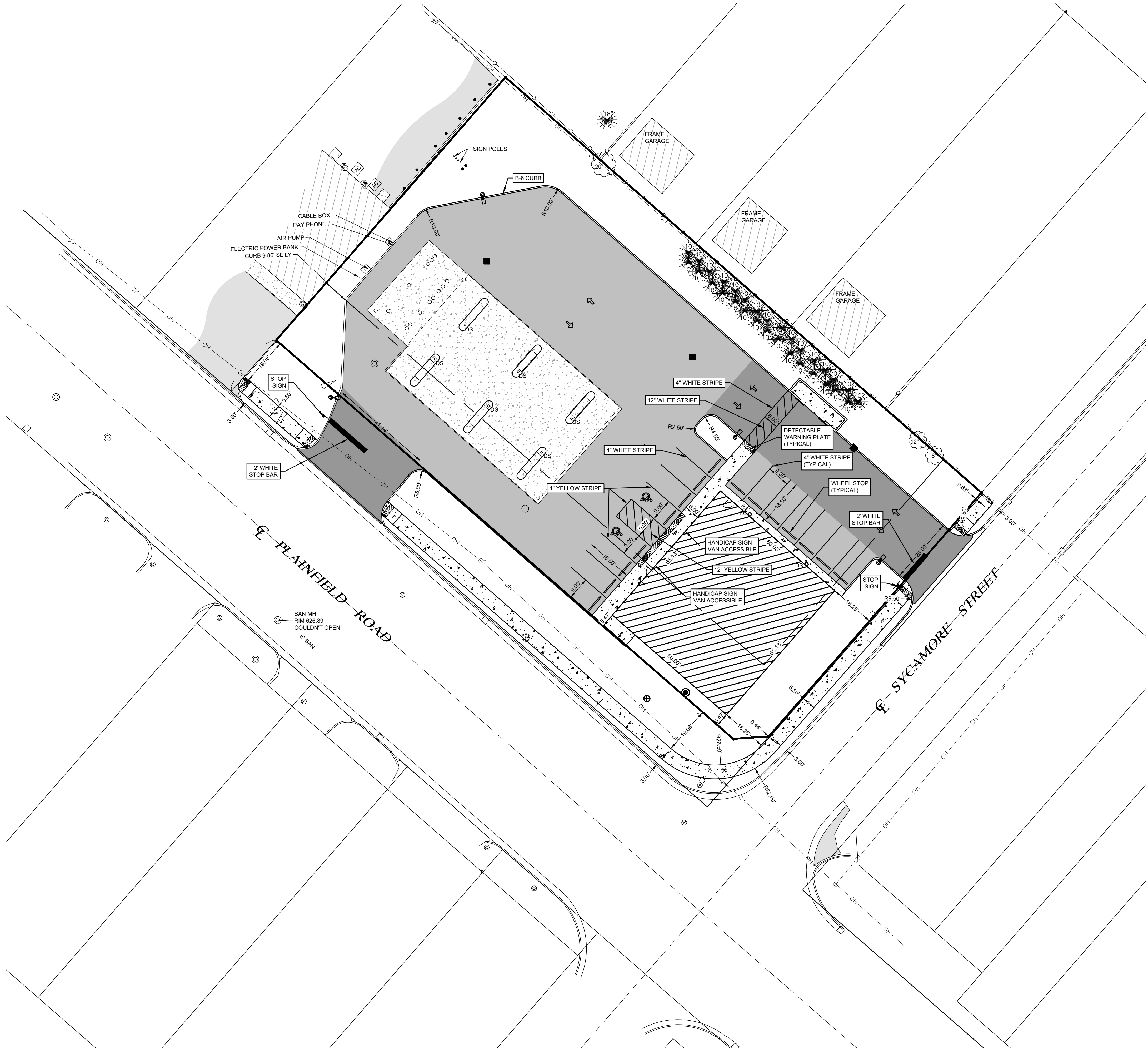
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OF 14 SHEETS

PROJ # 26-PR-1008

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- LEGEND
- CONCRETE
 - HEAVY-DUTY PAVEMENT
 - LIGHT-DUTY PAVEMENT

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8/04/2026						
PER VILLAGE COMMENTS DATED 7/14/2026						

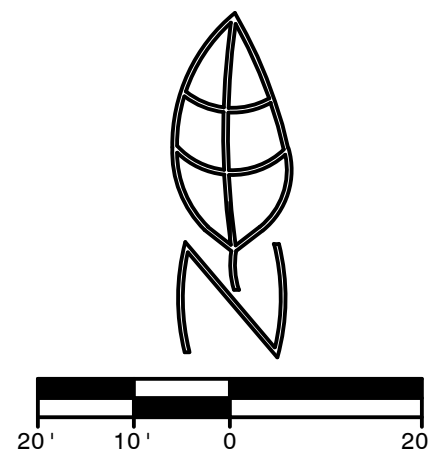
GEOMETRIC PLAN

2350 PLAINFIELD ROAD
CREST HILL, ILLINOIS

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PROJ # 26-PR-1008	

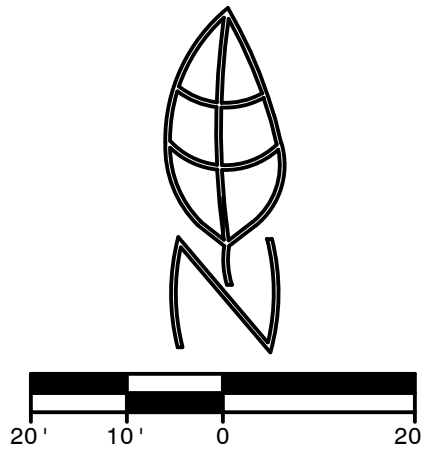


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GRADING PLAN
2350 PLAINFIELD ROAD
CREST HILL, ILLINOIS

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This Soil Erosion & Sediment Control (SESC) Plan has been prepared to fulfill one of the requirements of the National Pollutant Discharge Elimination System (NPDES) General Permit No. IL-10-0000000000. The SESC Plan should be maintained on site as an integral component of the Stormwater Management Plan (SWPPP). The SWPPP, including the SESC Plan, should be amended whenever there is a change in design, construction, operation, or maintenance, which has a significant effect on the potential for the discharge of pollutants to the Waters of the State and which has not otherwise been addressed in the SWPPP. The SWPPP shall also be amended if it proves to be ineffective in eliminating or significantly minimizing pollutants, or in otherwise achieving the general objectives of controlling pollutants in storm water discharges associated with construction site activity. In addition, the SWPPP shall be amended to identify any new contractor and/or subcontractor that will implement a measure of the SWPPP.

1. SITE DESCRIPTION

A. The following is a description of the nature of the construction activity: Construction of a fueling facility. The construction activities for the site improvements will include: mass grading, pavement construction, installation of utilities including storm sewers, soil erosion and sedimentation control measures, at a minimum.

B. The following is a description of the intended sequence of construction activities which will disturb soils for major portions of the construction site:

Describe proposed construction sequence, sample follows:

- 1) Install perimeter sediment control measures
 - 2) Selective vegetation removal for silt fence installation
 - 3) Silt fence installation
 - 4) Construction fencing around areas not to be disturbed
 - 5) stabilized construction entrance
 - 6) Clear and grub (as necessary)
 - 7) Strip topsoil, stockpile topsoil and grade site
 - 8) Temporarily stabilize topsoil stockpiles (seed and silt fence around toe of slope)
 - 9) Install storm sewer, sanitary sewer, watermain and associated inlet and outlet protection
 - 10) Install roadway and parking pavement
 - 11) Permanently stabilize detention basins with seed and erosion control blanket
 - 12) Remove all temporary soil erosion and sediment control measures after the site is stabilized with vegetation
- C. The site has a total acreage of approximately 0.79 acres. Construction activity will disturb approximately 0.79 acres of the site.
- D. 1.) An estimated runoff coefficient of the site after construction activities are completed is _____.
2.) Existing data describing the soil or quality of any discharge from the site is included in _____.

- E. Refer to sheets _____ for a site plan indicating:
- 1) drainage patterns;
 - 2) approximate slopes anticipated before and after major grading activities;
 - 3) locations where vehicles enter or exit the site and controls to minimize off-site sediment tracking;
 - 4) areas of soil disturbance;
 - 5) the location of major structural and nonstructural controls;
 - 6) the location of areas where stabilization practices are expected to occur;
 - 7) surface waters (including wetlands); and,
 - 8) locations where storm water is discharged to a surface water.

- F. 1) The name of the receiving water(s) is(are) DUPAGE RIVER.
2) The name of the ultimate receiving water is DES PLAINES RIVER.
3) The extent of wetland acreage at the site is _____ acres.

G. Potential sources of pollution associated with this construction activity may include:

- sediment from disturbed soils
- portable sanitary stations
- fuel tanks
- staging areas
- waste containers
- chemical storage areas
- oil or other petroleum products
- adhesives
- tar
- solvents
- detergents
- fertilizers
- raw materials (e.g., bagged portland cement)
- construction debris
- landscape waste
- concrete and concrete trucks
- litter

2. CONTROLS

This section of the SESC Plan addresses the various controls that should be implemented for each of the major construction activities described in the "Site Description" section. For each measure identified in the SWPPP, the contractor(s) or subcontractor(s) that will implement the measure should be identified. All contractors and subcontractors that are identified should be required to sign a copy of the certification statement from Part IV.F. of the ILR10 Permit (in accordance with Part VI.G. - Signatory Requirements, of the ILR10 Permit). All signed certification statements should be maintained in the SWPPP.

A. Approved State or Local Plans

The management practices, controls and other provisions contained in the SWPPP should be at least as protective as the requirements contained in the Illinois Environmental Protection Agency's (IEPA) and the United States Department of Agriculture's Natural Resource Conservation Service Illinois Urban Manual, 2002. (Requirements specified in sediment and erosion control site plans or site permits or storm water management site plans or site permits approved by local officials that are applicable to protecting surface water resources are, upon submittal of a Notice of Intent (NOI) to be authorized to discharge under the ILR10 permit, incorporated by reference and are enforceable under the ILR10 permit even if they are not specifically included in a SWPPP required under the ILR10 permit. This provision does not apply to provisions of master plans, comprehensive plans, non-enforceable guidelines or technical guidance documents that are not identified in a specific plan or permit that is issued for the construction site.

The soil erosion and sediment control measures for this site should meet the requirements of the following agencies:

- City of Crest Hill
- Will County
- IEPA

B. Control Implementation Schedule

Best Management Practices will be implemented on an as-needed basis to protect water quality. Perimeter controls of the site should be installed prior to soil disturbance (excluding soil disturbance necessary to install the controls), including demolition activities. Perimeter controls, including the silt fence, should be actively maintained until final stabilization of those portions of the site upward of the perimeter control. Stabilized construction entrance(s) and sediment traps should be installed as described in the intended sequence of the certification statement. The contractor is responsible for the adequate protection (including sediment control) of existing sewers and sewer structures during construction operations. As necessary, the appropriate sediment control measure should be installed prior to land disturbing activities.

Stabilization measures should be initiated where construction activities have temporarily or permanently ceased, in accordance with Local and State requirements, as described below. Once construction activity in an area has permanently ceased, that area should be permanently stabilized. Temporary perimeter controls should be removed after final stabilization of those portions of the site upward of the perimeter control.

C. Erosion and Sediment Controls

The appropriate soil erosion and sediment controls should be implemented on site and should be modified to reflect the current phase of construction. All temporary sediment and erosion control measures should be repaired or replaced as soon as practicable to maintain NPDES compliance. Permittee or an authorized agent is responsible for inspecting all sediment and erosion control measures at a minimum of every 7 calendar days and within 24 hours of the end of a 0.5-inch (or greater) rain event, or snowfall equivalent.

Unless otherwise indicated, all vegetative and structural erosion control practices should be installed to the Standard Practice. The contractor is responsible for the installation of any additional erosion and sediment control measures necessary to minimize erosion and sedimentation as determined by the Engineer or Primary Contact.

2) Stabilization Practices - Areas that will not be paved or covered with non-erosive material should be stabilized using procedures in substantial conformance with the Illinois Urban Manual. This SESC Plan includes sediment specific soil erosion and sediment control measures. Additional erosion controls should be implemented as necessary, as determined by the Engineer or Primary Contact.

The following temporary and permanent stabilization practices, at a minimum, are proposed:

- permanent seeding
- erosion control blanket

Site-specific scheduling of the implementation of these practices is included in the Soil Protection Chart. A record of the dates when major grading activities occur, when construction activities cease on a portion of the site, and when stabilization measures are initiated should be included in the SWPPP.

Except as provided in paragraphs (a) and (b) below, stabilization measures shall be initiated as soon as practicable on portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 7 days after the construction activity on that portion of the site has temporarily or permanently ceased.

- (a) Where the initiation of stabilization measures by the 7th day after construction activity temporarily or permanently ceased is precluded by snow cover, stabilization measures shall be initiated as soon as practicable.
- (b) Where construction activity will resume on a portion of the site within 14 days from when activities ceased, (e.g., the total time period that construction activity is temporarily ceased is less than 14 days) then stabilization measures do not have to be initiated on that portion of site by the 7th day after construction activity temporarily ceased.

2) Structural Practices - Provided below is a description of structural practices that should be implemented, to the degree attainable to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Structural practices should be placed on upland soils to the degree practicable. The installation of the following devices may be subject to Section 404 of the Clean Water Act:

- stabilized construction entrance
- silt fence

D. Storm Water Management

Provided below is a description of measures that will be installed during the construction process to control the pollutants in storm water discharges that will occur after the construction operations have been completed. The installation of these devices may be subject to Section 404 of the Clean Water Act.

1) The practices selected for implementation were determined on the basis of technical guidance contained in IEPA's Illinois Urban Manual, Federal, State, and/or Local Requirements. The storm water management measures include:

- storm sewer
- existing detention basin

2) Velocity dissipation devices, such as rip-rap aprons at flared end sections or level spreaders, shall be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow from the structure to a watercourse so that the natural, physical, and biological characteristics and functions are maintained and protected (e.g., maintenance of hydrologic conditions, such as the hydroperiod and hydrodynamics present prior to the initiation of construction activities).

E. Waste Management

Solid waste materials including trash, construction debris, excess construction materials, machinery, tools and other items will be collected and disposed of off site by the contractor. The contractor is responsible to acquire the permit required for such disposal. Burning on site will not be permitted. No solid materials, including building materials, shall be discharged to Waters of the State, except as authorized by a Section 404 permit. All waste materials should be collected and stored in approved receptacles. No wastes shall be placed in any location other than in the approved containers appropriate for the materials being discarded. There should be no liquid wastes deposited into dumpsters or other containers which may leak. Receptacles with deficiencies should be replaced as soon as possible and the appropriate clean-up procedure should take place, if necessary. Construction waste material is not to be buried on site. Waste disposal should comply with all Local, State, and Federal regulations.

On-site hazardous material storage should be minimized and stored in labeled, separate receptacles from non-hazardous waste. All hazardous waste should be disposed of in the manner specified by Local or State regulation or by the manufacturer.

F. Concrete Waste Management

Concrete waste or washout should not be allowed in the street or allowed to reach a storm water drainage system or watercourse. When practicable, a sign should be posted at each location to identify the washout. To the extent practicable, concrete washout areas should be located a reasonable distance from a storm water drainage inlet or watercourse, and should be located at least 10 feet behind the curb. If the washout area is adjacent to a paved road, a stabilized entrance that meets Illinois Urban Manual standards should be installed at each washout area.

The containment facilities should be of sufficient volume to completely contain all liquid and concrete waste materials including enough capacity for anticipated levels of rainwater. The dried concrete waste material should be picked up and disposed of properly when 75% capacity is reached. Hardened concrete can be properly recycled and used again on site (as approved by the Engineer) or hauled off site to an appropriate landfill.

G. Concrete Cutting

Concrete waste management should be implemented to contain and dispose of saw-cutting slurries. Concrete cutting should not take place during or immediately after a rainfall event. Waste generated from concrete cutting should be cleaned-up and disposed into the concrete washout facility as described above.

H. Vehicle storage and maintenance

When not in use, construction vehicles should be stored in a designated area(s) outside of the regulatory floodplain, away from any natural or created watercourse, pond, drainage-way or storm drain. Controls should be installed to minimize the potential of runoff from the storage area(s) from reaching storm drains or water courses. Vehicle maintenance (including both routine maintenance as well as on-site repairs) should be made within a designated area(s) to prevent the migration of mechanical fluids (oil, antifreeze, etc.) into watercourses, wetlands or storm drains. Drip pans or absorbent pads should be used for all vehicle and equipment maintenance activities that involve grease, oil, solvents, or other vehicle fluids. Construction vehicles should be inspected frequently to identify any leaks; leaks should be repaired immediately or the vehicle should be removed from site. Dispose of all used oil, antifreeze, solvents and other vehicle-related chemicals in accordance with United States Environmental Protection Agency (USEPA) and IEPA regulations and per Material Safety Data Sheet (MSDS) and/or manufacturer instructions. Contractors should immediately report spills to the Primary Contract.

I. Material Storage and Good Housekeeping

Materials and/or contaminants should be stored in a manner that minimizes the potential to discharge into storm drains or watercourses. All materials and/or contaminants should be stored in a manner that minimizes the potential to discharge into storm drains or watercourses. All materials kept on site should be stored in their original containers with legible labels, and if possible, under a roof or other enclosure. Labels should be replaced if damaged or difficult to read. Bermed-off storage areas are an acceptable control measure to prevent contamination of storm water. MSDS should be available for referencing clean-up procedures. Any release of chemicals/contaminants should be immediately cleaned up and disposed of properly. Contractors should immediately report all spills to the Primary Contract, who should notify the appropriate agencies, if needed.

To reduce the risks associated with hazardous materials on site, hazardous products should be kept in original containers unless they are not re-sealable. The original labels and MSDS should be retained on site at all times. Hazardous materials and all other material on site should be stored in accordance with manufacturer or MSDS specifications. When disposing of hazardous materials, follow manufacturer or Local and State recommended methods.

The following good housekeeping practices should be followed on site during the construction project:

- An effort should be made to store only enough product required to do the job.
- All materials stored on site should be stored in a neat, orderly manner in their appropriate containers and adequately protected from the environment.
- Products should be kept in their original containers with the original manufacturer's label.
- Substances should not be mixed with one another unless recommended by the manufacturer.
- Operations should be observed as necessary to ensure proper use and disposal of materials on site.
- Whenever possible, all of a product should be used up before disposing of the container.
- Manufacture's recommendations for proper use and disposal should be followed.

J. Management of Portable Sanitary Stations

To the extent practicable, portable sanitary stations should be located in an area that does not drain to any protected natural areas, Waters of the State, or storm water structures and should be anchored to the ground to prevent from tipping over. Portable sanitary stations located on impervious surfaces should be placed on top of a secondary containment device, or be surrounded by a control device (e.g., gravel-bag berm). The contractor should not create or allow unsanitary conditions. Sanitary waste should be disposed of in accordance with applicable State and/or Local regulations.

K. Spill Prevention and Clean-Up Procedures

Manufacturer's recommended methods for spill clean-up should be available and site personnel should be made aware of the procedures and the location of the information and clean-up supplies. Materials and equipment necessary for spill clean-up should be kept in the material storage area on site. Equipment and materials should include, but are not limited to, brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sand, sawdust and plastic and/or metal trash containers specifically for this purpose.

Discharges of a hazardous substance or oil caused by a spill (e.g., a spill of oil into a separate storm sewer or Waters of the State) are not authorized by the ILR10 permit. If a spill occurs, notify the Primary Contact immediately. The construction site should have the capacity to contain, contain, and remove spills if they occur. Spills should be cleaned up immediately (after discovery) in accordance with MSDS and should not be buried on site or washed into storm sewer drainage inlets, drainage-ways, or Waters of the State.

Spills in excess of Federal Reportable Quantities (as established under 40 CFG Parts 110, 117, or 302), should be reported to the National Response Center by calling (800) 424-8802. MSDS often include information on Federal Reportable Quantities for materials. Spills of toxic or hazardous materials should be reported to the appropriate State or Local government agency, as required. When cleaning up a spill, the area should be kept well ventilated and appropriate personal protective equipment should be used to minimize injury from contact with a hazardous substance.

In addition to the good housekeeping and other management practices discussed in the previous sections of these Notes, the following minimum practices should be followed to reduce the risk of spills:

- On-site vehicles should be monitored for leaks and should receive regular preventative maintenance to reduce the chance of leakage
- Petroleum products should be stored in tightly sealed and clearly labeled containers.
- Contractors should follow the manufacturer's recommendations for proper use, storage, and disposal of materials. Excess materials should be disposed of according to the manufacturer's instructions or State and Local regulations, and should not be discharged to the storm sewer or waterbody.

L. De-Watering Operations

During de-watering/pumping operations, only uncontaminated water should be allowed to discharge to protected natural areas, Waters of the State, or to a storm sewer system (in accordance with Local permits). Inlet hoses should be placed in a stabilized sump pit or floated at the surface of the water in order to limit the amount of sediment intake. Pumping operations may be discharged to a stabilized area that consists of an energy dissipating device (e.g., stone), sediment filter bag, or both. Adequate erosion controls should be used during de-watering operations as necessary. Stabilized conveyance channels should be installed to direct water to the desired location as applicable. Additional control measures may be installed at the outlet area at the discretion of the Primary Contract or Engineer.

M. Off-Site Vehicle Tracking

The site should have one or more stabilized construction entrances in conformance with the Plan details. Stabilized construction entrance(s) should be installed to help reduce vehicle tracking of sediments. Streets should be swept as needed to reduce excess sediment, dirt, or stone tracked from the site. Maintenance may include top dressing the stabilized entrance with additional stone and removing top layers of stone and sediment, as needed. Vehicles hauling erodible material to and from the construction site should be covered with a tarp.

N. Topsoil Stockpile Management

If topsoil is to be stockpiled at the site, select a location so that it will not erode, block drainage, or interfere with work on site. Topsoil stockpiles should not be located in the 100-year floodplain or designated buffer protecting Waters of the State. During construction of the project, soil stockpiles should be stabilized or protected with sediment trapping measures. Perimeter controls, such as silt fence, should be placed around the stockpile immediately. Stabilization of the stockpile should be completed if the stockpile is to remain undisturbed for longer than thirty days.

O. Dust Control

Dust control should be implemented on site as necessary. Repetitive treatment should be applied as needed to accomplish control when temporary dust control measures are used. A water truck should be present on site (or available) for sprinkling/irrigation to limit the amount of dust leaving the site. Watering should be applied daily (or more frequently) to be effective. Caution should be used not to overwater, as that may cause erosion.

If field observations indicate that additional protection from wind erosion (in addition to, or in place of watering) is necessary, alternative dust suppressant controls should be implemented at the discretion and approval of the Engineer and/or Primary Contact.

3. MAINTENANCE

Maintenance of the controls incorporated into this project should be performed as needed to assure their continued effectiveness. This includes prompt and effective repair and/or replacement or deficient control measures. The following is a description of procedures that should be used to maintain, in good and effective operating condition, erosion and sediment control measures and other protective measures identified in the SESC Plan and Standard Specifications.

Dust control: when temporary dust control measures are used, repetitive treatment should be applied as needed to accomplish control.

Sediment filter bags: Sediment filter bags should be installed on pump outlet hoses that discharge off site or to sensitive on-site areas, and should be replaced as needed. The contractor is responsible for the bag to be removed without producing a sediment discharge. The bags should be inspected frequently and repaired or replaced as needed.

Silt fences: Silt fences should be inspected regularly for undercutting where the fence meet the ground, overtopping, and tears along the length of the fence. Deficiencies should be repaired immediately. Remove accumulated sediments from the fence base when the sediment reaches one-half the fence height. During final stabilization, properly dispose of any sediment that has accumulated on the silt fence. Alternative sediment control measures should be considered for areas where silt fence continually fails.

Stabilized construction entrance: The stabilized construction entrances should be maintained to prevent tracking of sediment onto public streets. Maintenance includes top dressing with additional stone and removing top layers of stone and sediment. The sediment tracked onto the public right-of-way should be removed immediately.

Temporary sediment traps: Temporary sediment traps should be inspected after each period of significant rainfall. Remove sediment and restore the trap to its original dimensions when the sediment has accumulated to one-half the design depth of the permanent pool. Place the sediment that is removed in a designated disposal area. Check the structure for damage from erosion or piping. After all sediment-producing areas have been permanently stabilized, remove the structure and all unstable sediment. Grade the area to blend with the adjoining areas and stabilize properly.

4. INSPECTIONS

The Permittee (or their authorized representative) will be responsible for conducting site inspections in compliance with the ILR10 NPDES Permit. After each inspection, a report should be prepared by the qualified personnel who performed the inspection. The inspection report should be maintained on site as part of the SWPPP.

Inspections should be conducted at least once every seven calendar days and within 24 hours of the end of a storm event that is 0.5 inches or greater, or equivalent snowfall.

Each inspection should include the following components.

A. Disturbed areas and areas used for the storage of materials that are exposed to precipitation should be inspected for evidence of, or the potential for, pollutants entering the drainage system. The erosion and sediment control measures identified in the SWPPP should be observed to ensure that they have been installed and are operating correctly. Where discharge points are accessible, they should be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to the receiving waters. Locations where vehicles enter or exit the site should be inspected for off-site sediment tracking. All pumping operations and other potential non-storm water discharge sources should also be inspected.

B. Based on the results of the inspection, the description of potential pollutant sources identified, and the pollution prevention measures described in the SWPPP should be revised, as appropriate, as soon as practicable after the inspection. The modifications, if any, shall provide for timely implementation of any changes to the SWPPP within 7 calendar days following the inspection.

C. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the SWPPP, and actions taken in accordance with paragraph B, above should be made and retained as part of the SWPPP for at least three years from the date that permit coverage expires or is terminated. The report shall be signed in accordance with Part VI.G. (Signatory Requirements) of the ILR10 NPDES Permit.

D. The Permittee shall notify the appropriate agency field operations section office by email at: epc.swmcomp@illinois.gov, telephone or fax within 24 hours of any incidence of noncompliance for any violation of the storm water pollution prevention plan observed during any inspection conducted for violation of any condition of this permit. The Permittee should complete and submit within 5 days an "Incidence of Non-Compliance" (ION) report for any violation of the SWPPP observed during an inspection conducted, including those not required by the SWPPP. Submission should be on forms provided by IEPA and include specific information on the cause of non-compliance, actions which were taken to prevent any further causes of non-compliance, and a statement detailing any environmental impact, which may have resulted from the non-compliance.

E. All reports of non-compliance shall be signed by a responsible authority as defined in Part VI.G. (Signatory Requirements), of the ILR10 NPDES Permit.

F. After the initial contact has been made within the appropriate agency field operations section office, all reports of non-compliance shall be mailed to IEPA at the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

5. NON-STORM WATER DISCHARGES

Except for flows from fire fighting activities, possible sources of non-storm water that may be combined with storm water discharges associated with the proposed activity, are described below:

- Water used to wash vehicles where detergents are not used;
- Water used to control dust;
- Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless spilled materials have been removed) and where detergents are not used;
- Irrigation ditches;
- Uncontaminated ground water; and,
- Foundation or footing drains where flows are not contaminated with process materials such as solvents;
- Landscape irrigation drainages;
- Uncontaminated air conditioning condensate.

Pollution prevention measures should be implemented for non-storm water components of the discharge.

NOTE: ALL SEDIMENT TRAPS ARE DESIGNED FOR A 1 YEAR - 24 HOUR STORM EVENT.

EROSION CONTROL NOTES

- All access to and from the construction site is to be restricted to the construction entrance.
- All temporary and permanent erosion and sediment control practices must be maintained and repaired as needed to assure effective performance of their intended function.
- Major amendments of the site development or erosion and sedimentation control plans shall be submitted to the Department of Community Development to be approved in the same manner as the original plans.
- Any sediment reaching a public or private road shall be removed by shoveling or street cleaning (not flushing) before the end of each workday and transported to a controlled sediment disposal.
- All temporary erosion and sediment control measures shall be disposed of within 30 days after the final site stabilization is achieved with permanent soil stabilization measures.
- Disturbed areas shall be stabilized with temporary or permanent measures within 7 calendar days following the end of active disturbance or redistribution.
- If dewatering devices are used, discharge locations shall be protected from erosion. All pumped discharges shall be routed through appropriately designed sediment traps or basins.

SOIL PROTECTION CHART

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING			A			*	*					
DORMANT SEEDING										B		
TEMPORARY SEEDING			C			D						
SODDING			E**									
MULCHING												

- A KENTUCKY BLUEGRASS 90 LBS/ACRE
MIXED WITH PERENNIAL RYGRASS
30 LBS/ACRE.
- C SPRING OATS 100 LBS/ACRE
- B KENTUCKY BLUEGRASS 135 LBS/ACRE
MIXED WITH PERENNIAL RYEGRASS
45 LBS/ACRE + STRAW MULCH 2 TONS/ACRE.
- D WHEAT OR CEREAL RYE
150 LBS/ACRE.
- E SOD
- F STRAW MULCH 2 TONS/ACRE.

* IRRIGATION NEEDED DURING JUNE AND JULY

**IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD

CONTRACTOR CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT (ILR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

PROJECT: 2350 PLAINFIELD ROAD, CREST HILL, ILLINOIS

PERMIT #: _____

DATE

CONTRACTOR SIGNATURE

TELEPHONE NUMBER

PRINTED NAME AND TITLE

NAME OF CONTRACTING FIRM

STREET ADDRESS

CITY, STATE, ZIP CODE

TRADE/ RESPONSIBILITIES:

NOTE:
ALL CONTRACTORS PERFORMING WORK ON THIS SITE ARE REQUIRED TO SIGN A CONTRACTOR CERTIFICATION STATEMENT AS ILLUSTRATED ABOVE. THE SIGNED STATEMENTS WILL BE MAINTAINED ON THE SITE WITH THE SWPPP.

Stormwater Team

Name and/or position and contact	Responsibilities	I have read the CGP and Understand the Applicable Requirements
Ahmed Mohsin Owner (708)407-1868	Weekly Inspections to ensure/maintain erosion controls are in place	
Aurimas Spucys Morris Engineering (630) 271-0770	Inspections as necessary to ensure/maintain erosion controls are in place	

FIELD CREW: PW

DRAWN BY: CJS

CHECKED BY: AS

APPROVED BY: EF

DATE: 6/08/2026

SCALE: HORIZ -

VERT -

SHEET

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OF 14 SHEETS

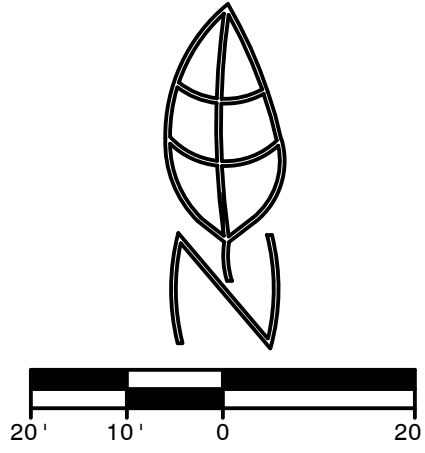
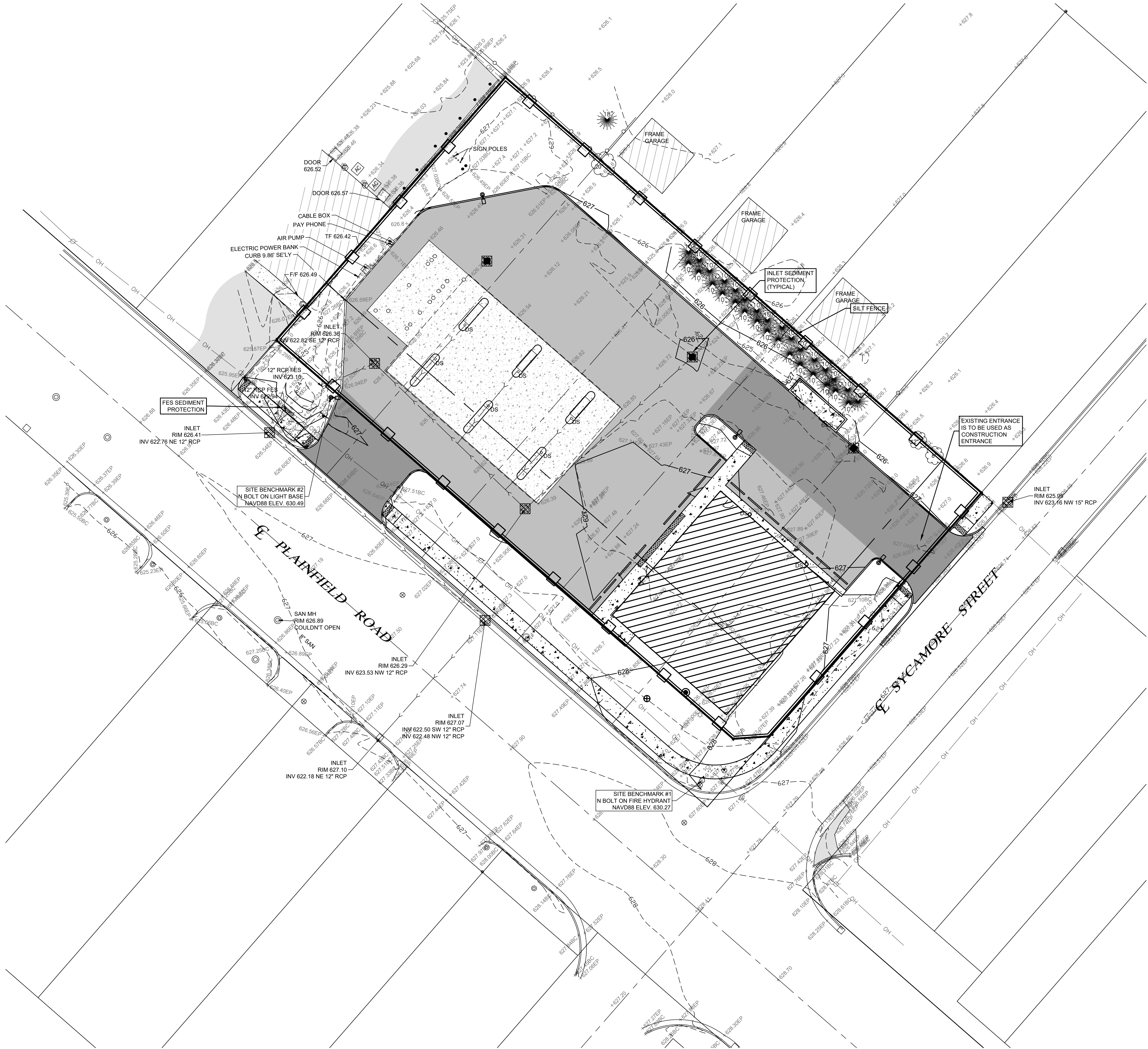
PROJ # 26-PR-1008

SWPPP NOTES
2350 PLAINFIELD ROAD
CREST HILL, ILLINOIS

Morris Engineering, Inc.
Civil Engineering - Consulting
Land Surveying
515 Warendale Road, Suite L, 60522
Phone: (630) 271-0770
Survey: (630) 271-0589
Fax: (630) 271-0774
Website: www.edwi.com



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DATE	
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6	

PER VILLAGE COMMENTS DATED 7/14/2026

SWPPP PLAN

2350 PLAINFIELD ROAD
CREST HILL, ILLINOIS

Morris Engineering, Inc.
Civil Engineering • Consulting
515 Wrenville Road, Suite 100
Phone: (630) 271-1050
Survey: (630) 271-0559
Fax: (630) 271-0774
Website: www.edwi.com

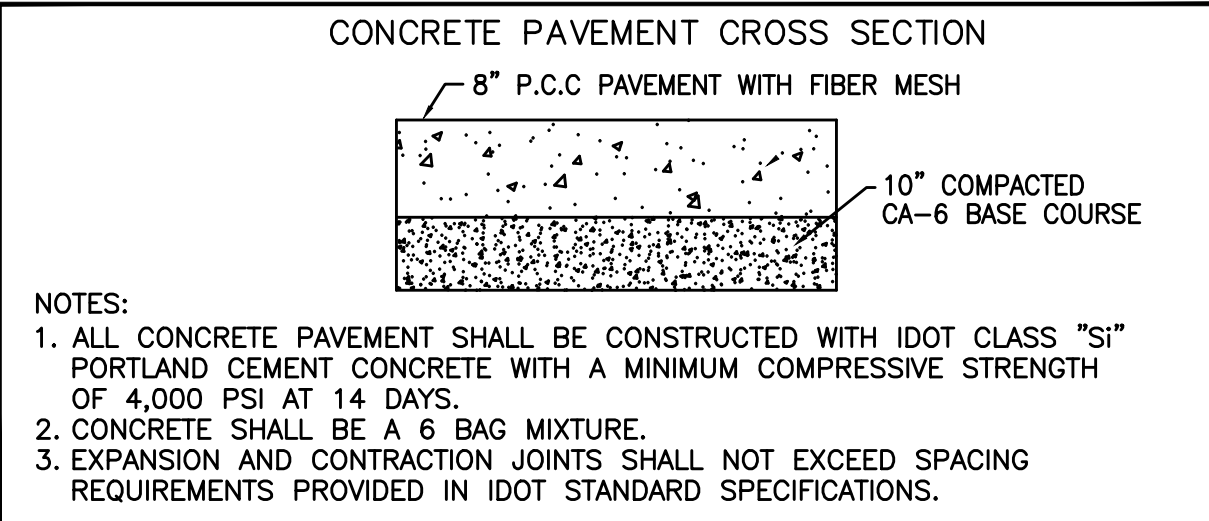
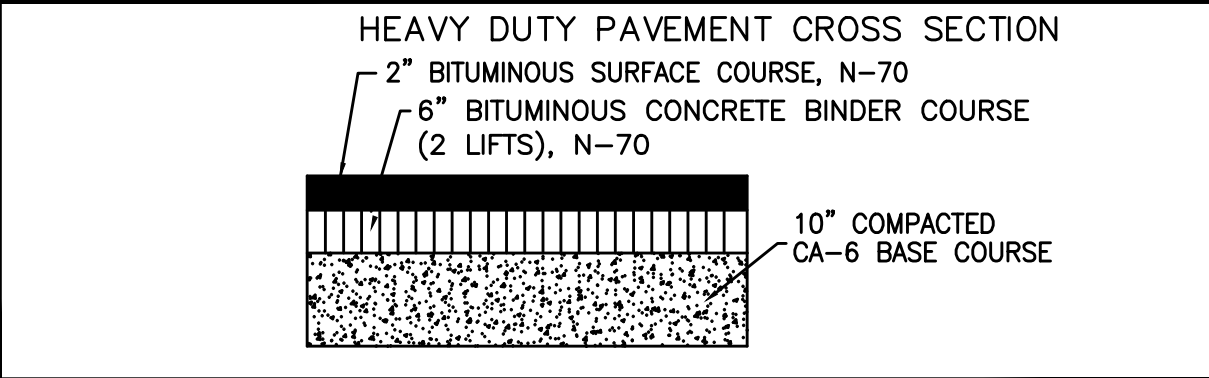
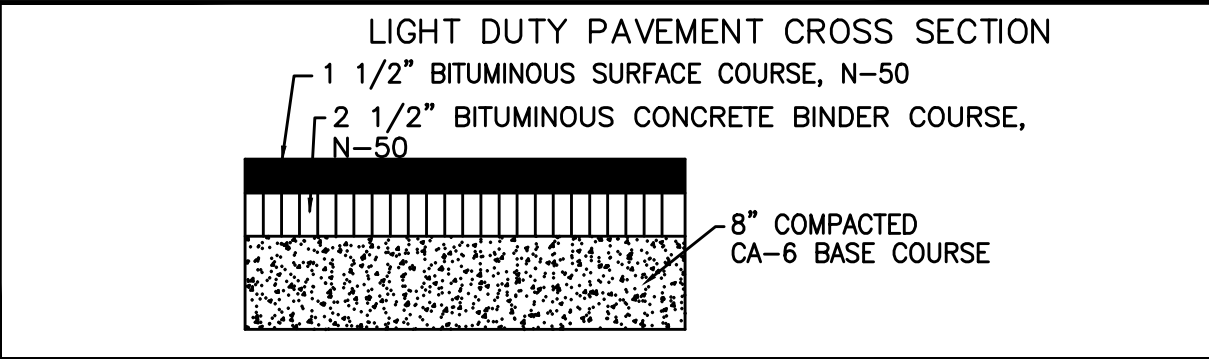
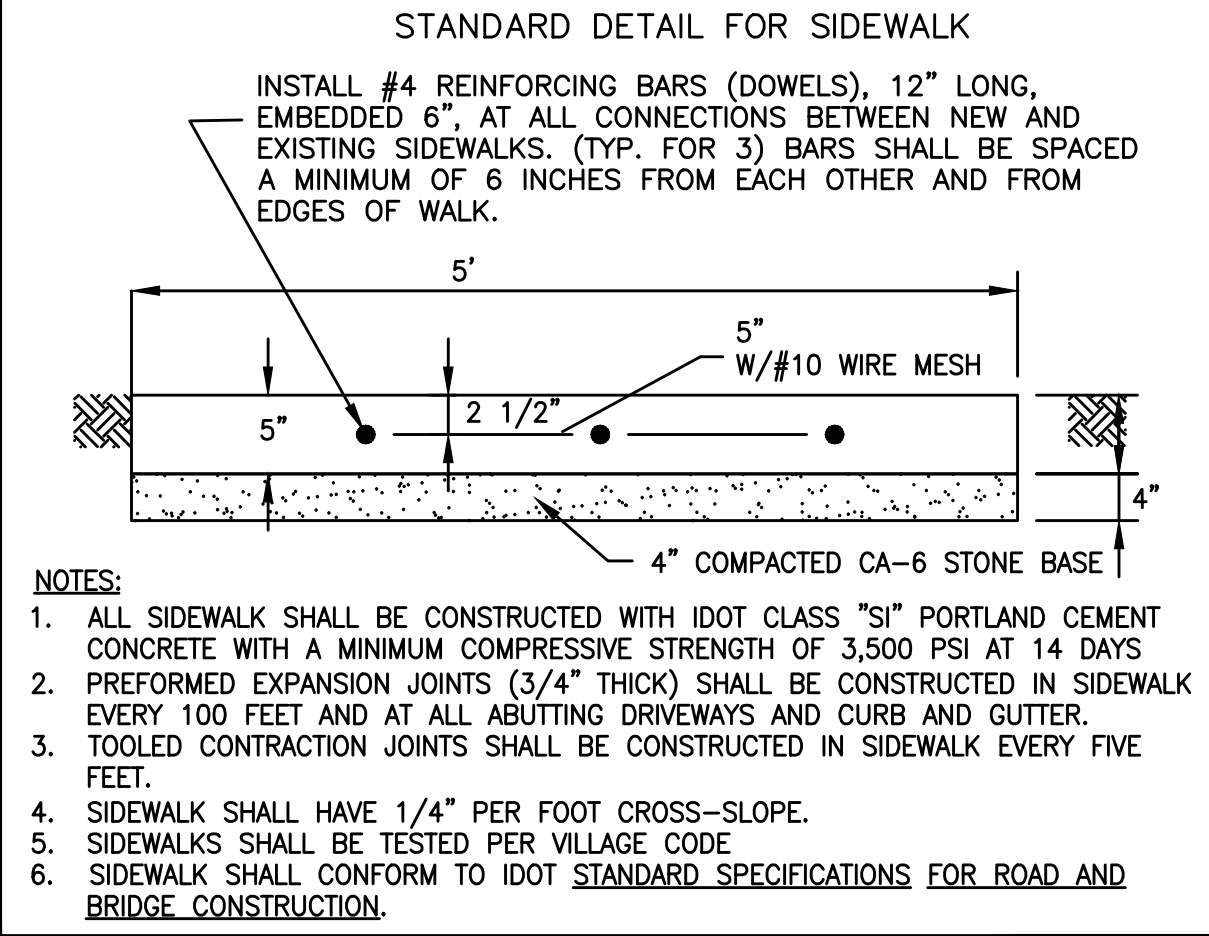
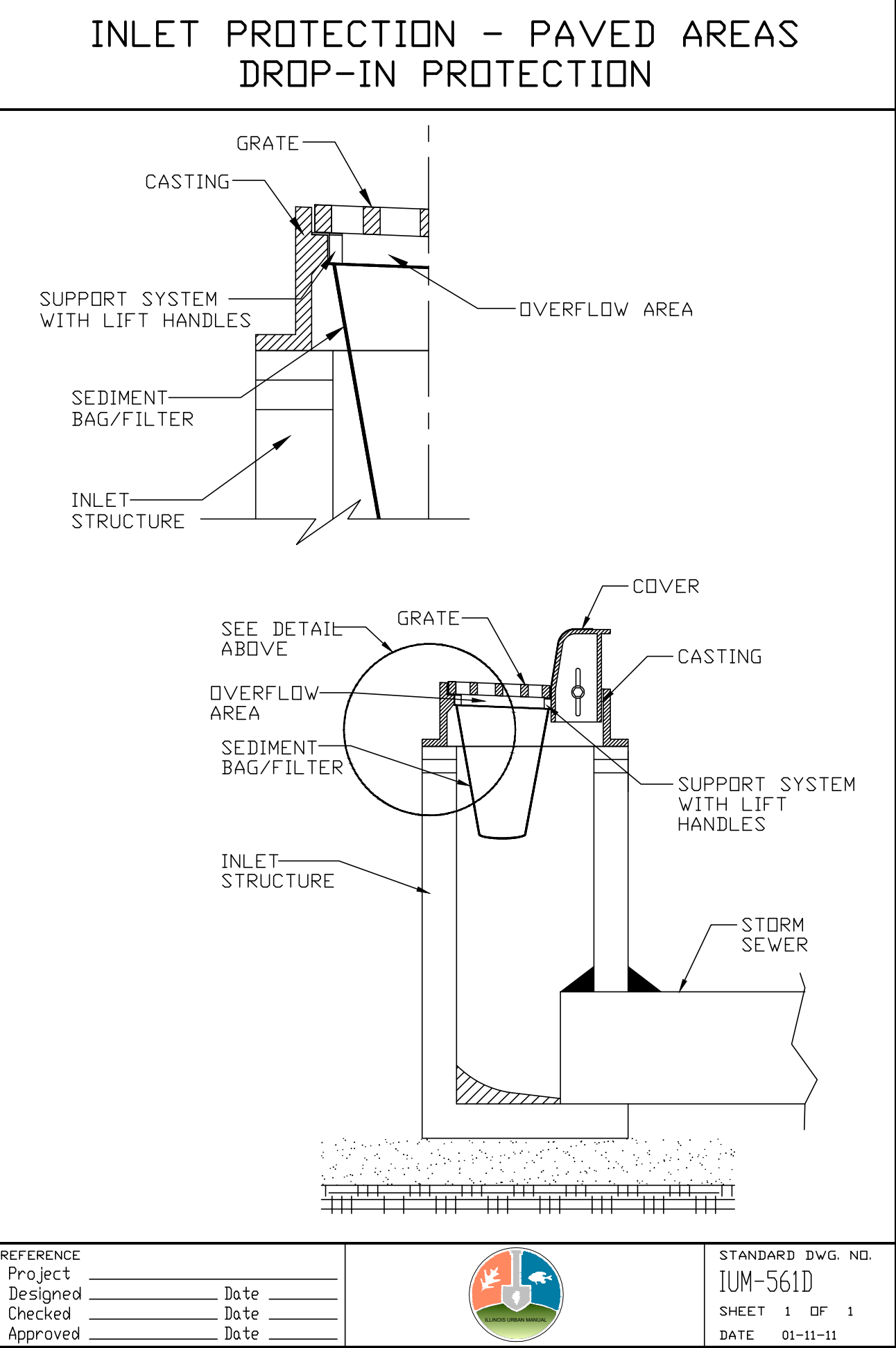
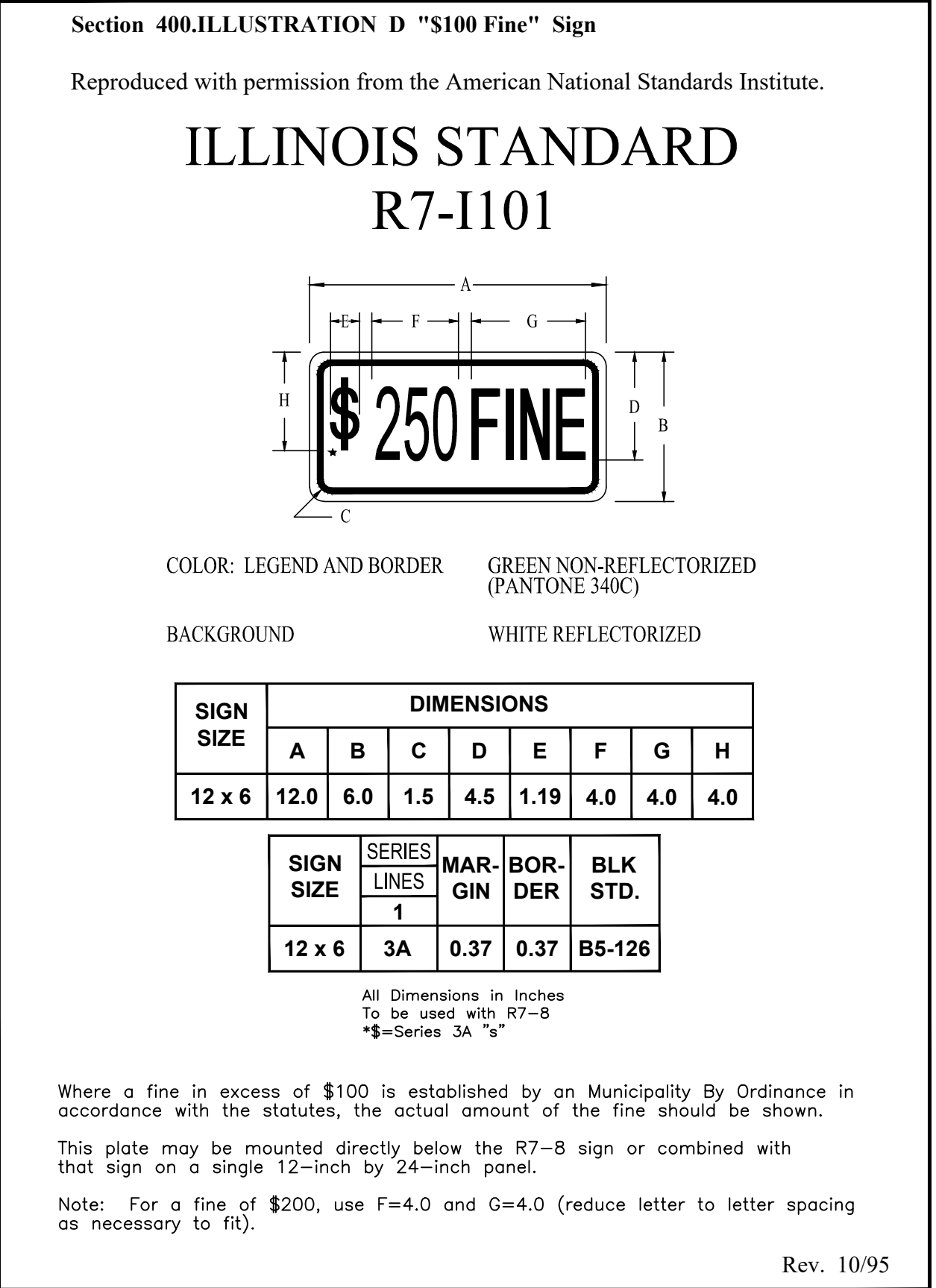
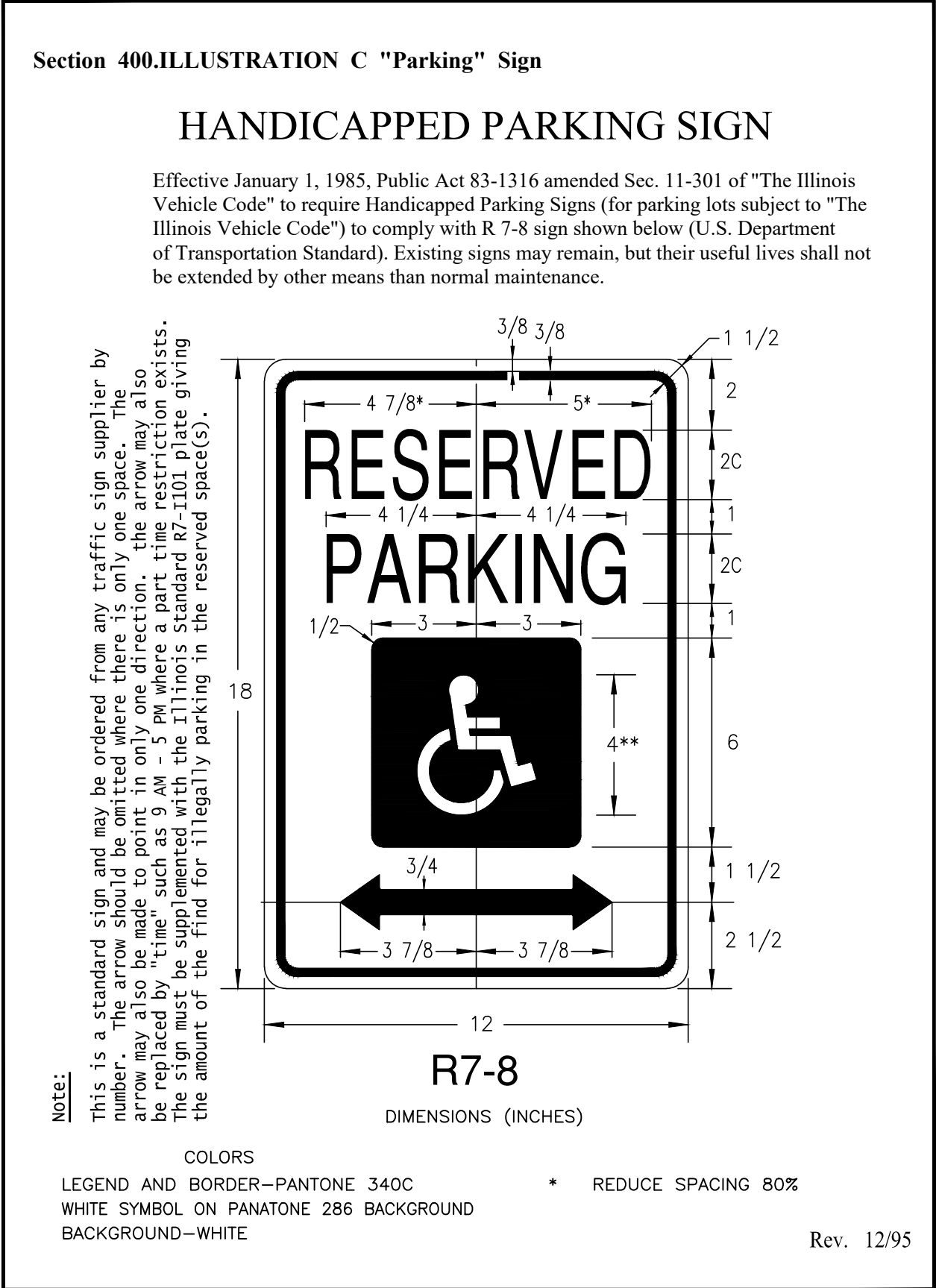
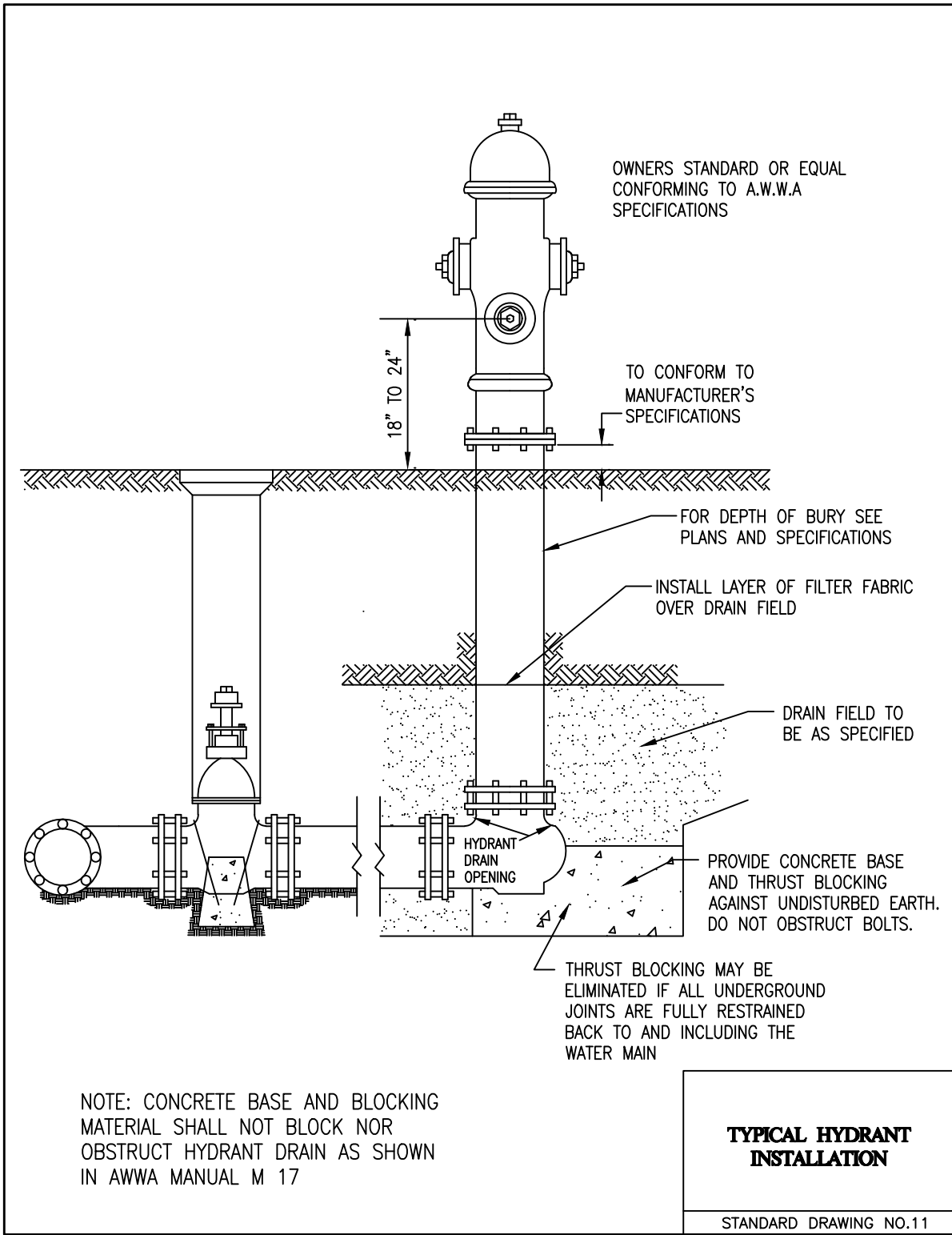
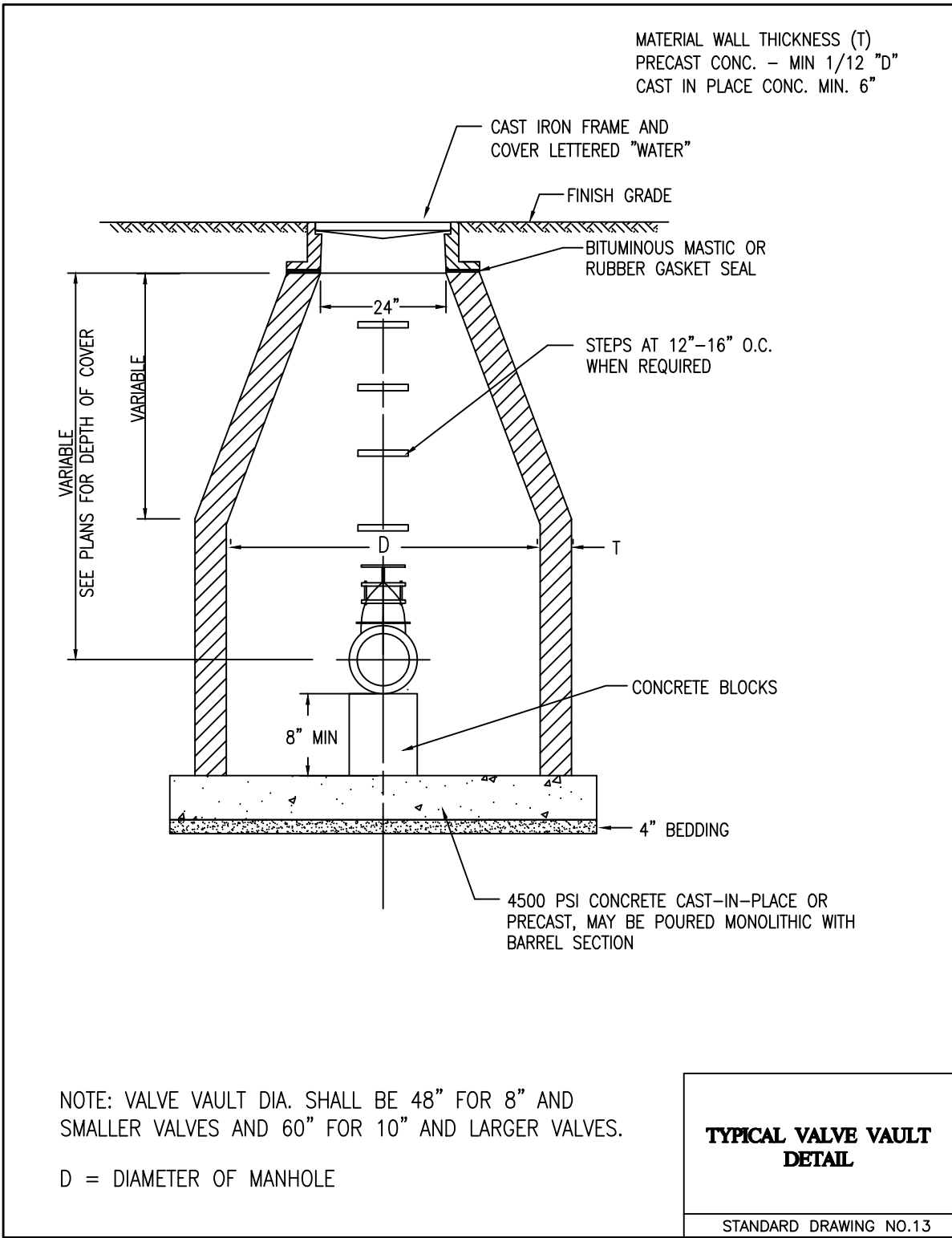
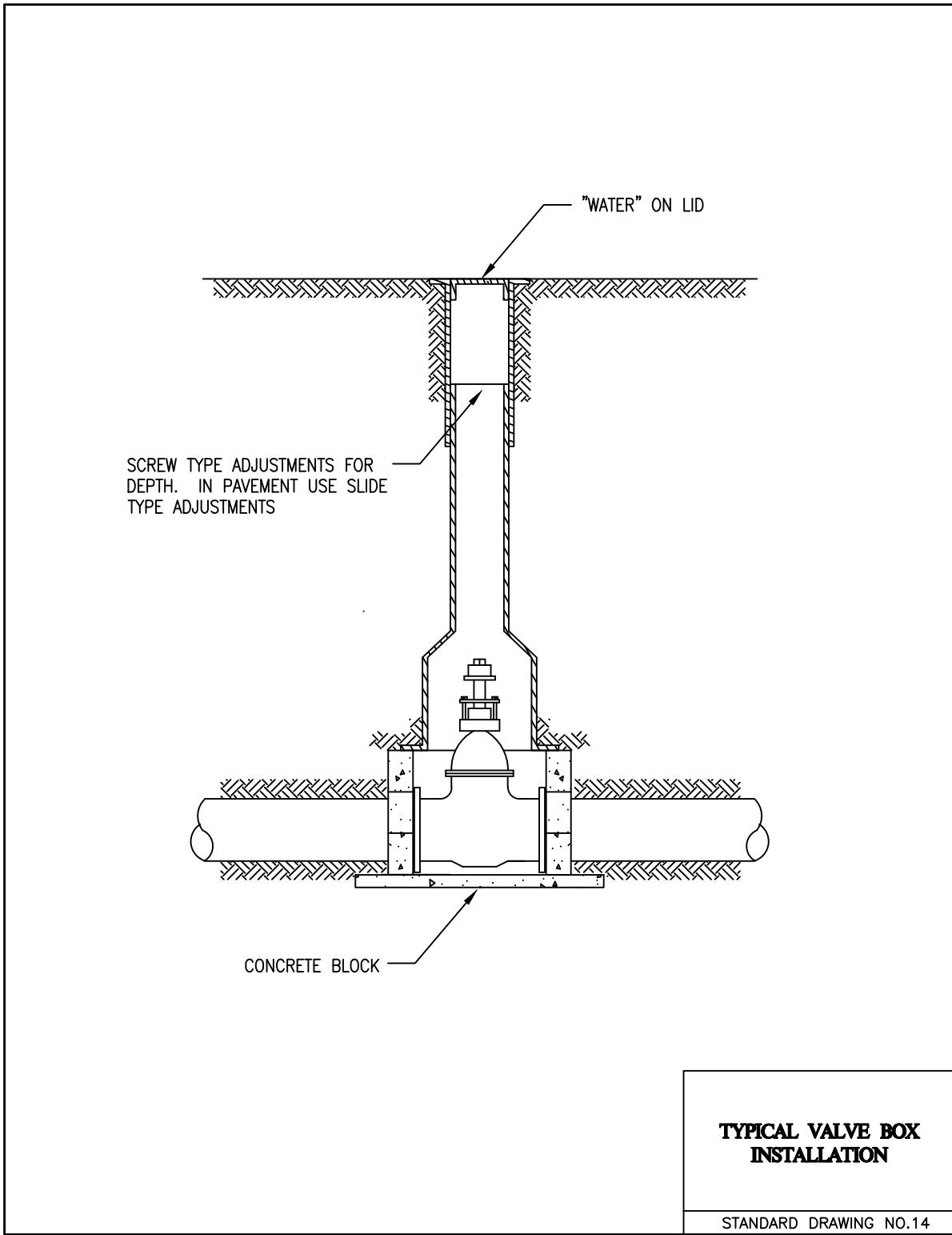
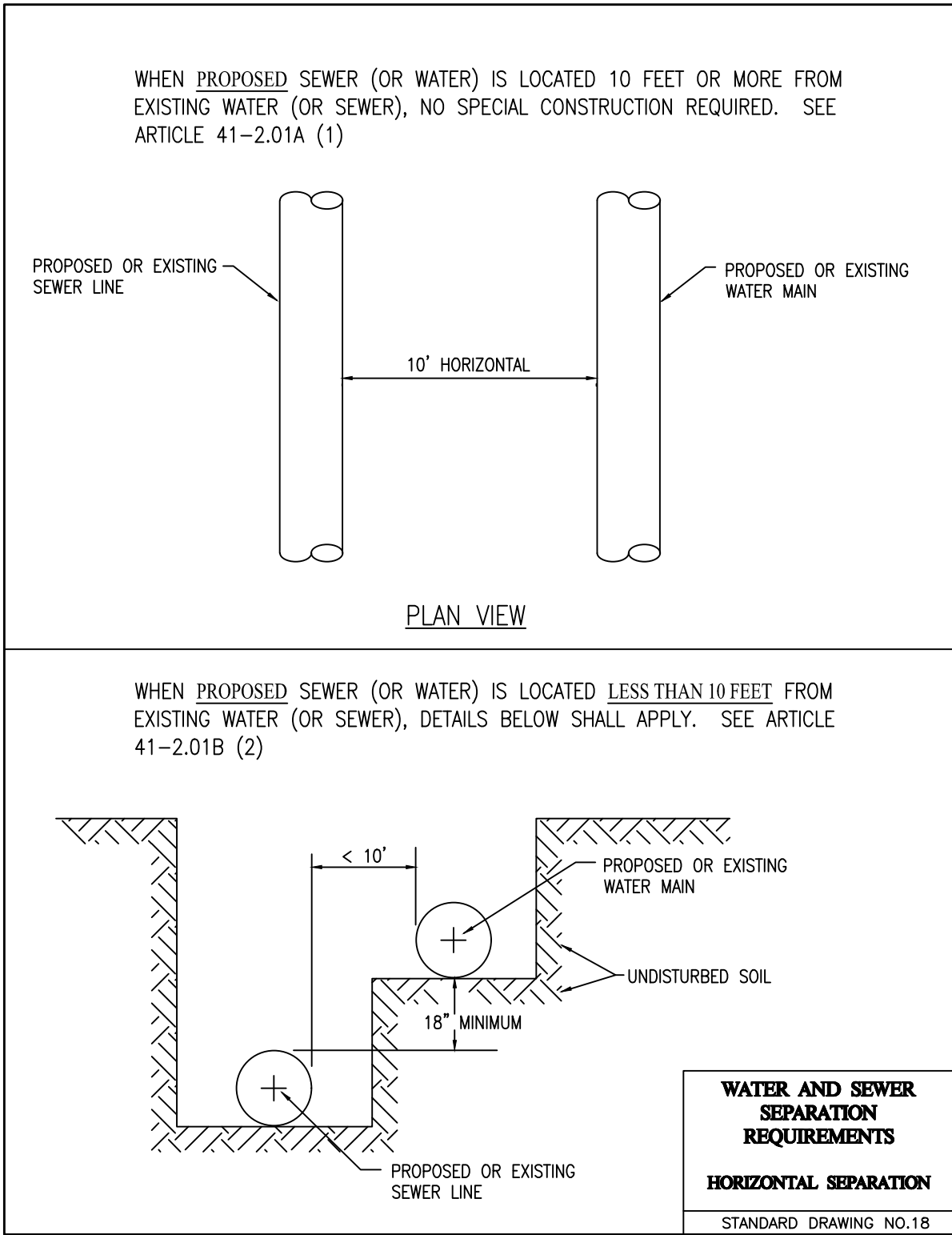
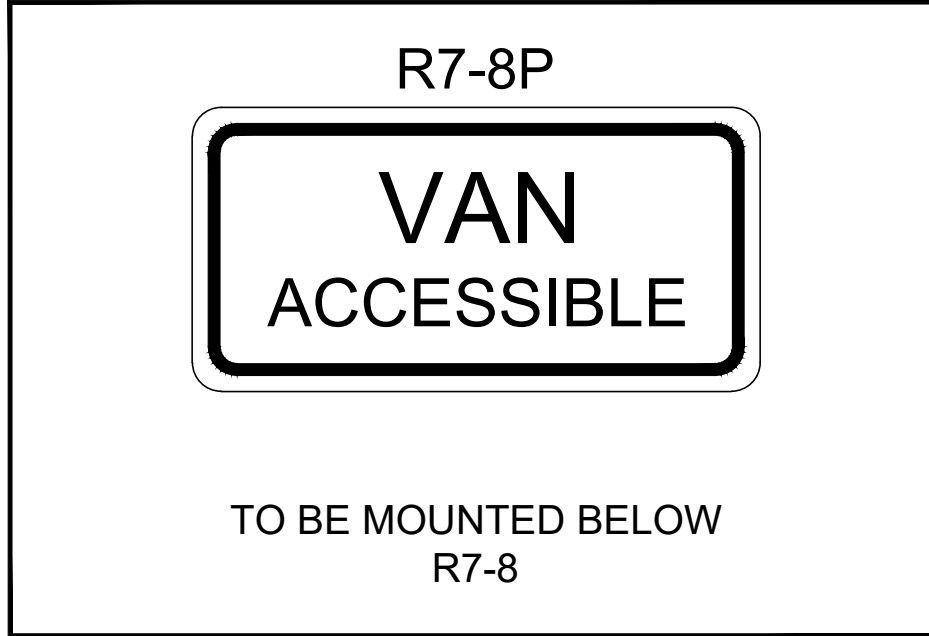
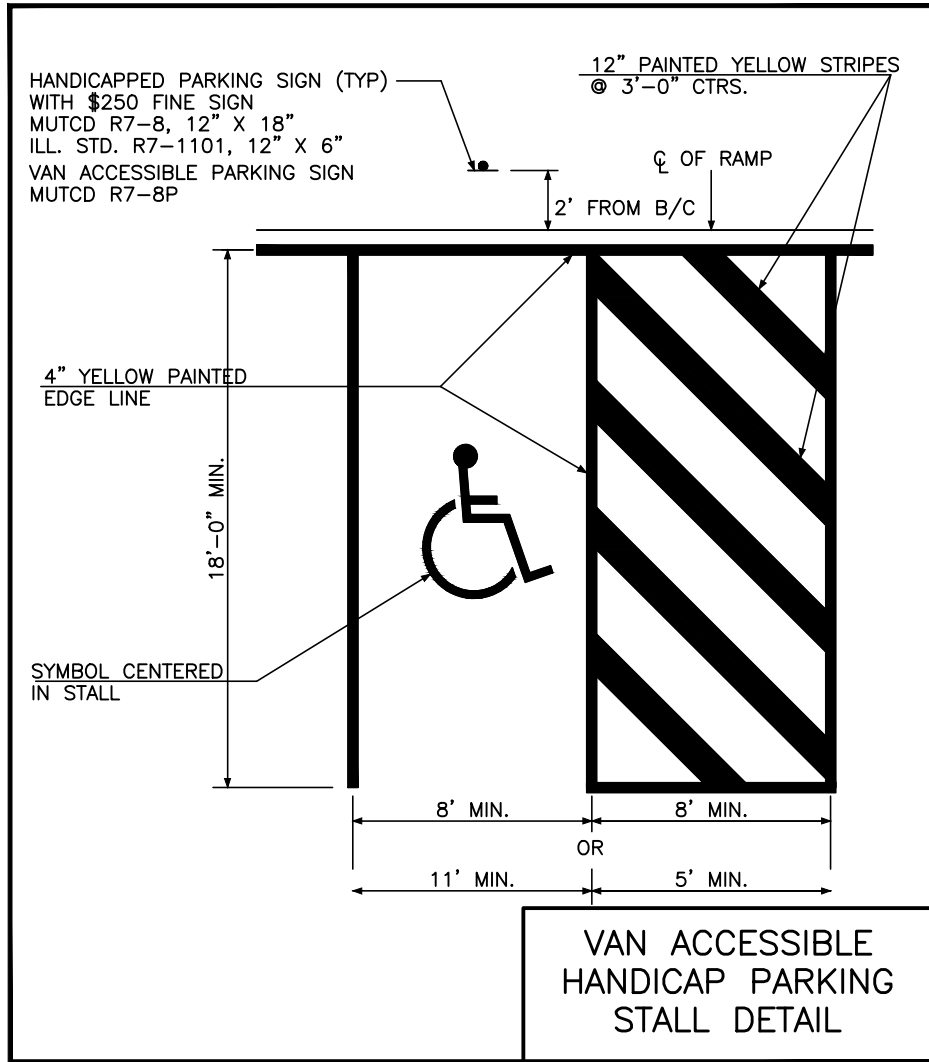
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DRAWN BY:	CJS
CHECKED BY:	AS
APPROVED BY:	EF
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SHEET

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OF 14 SHEETS

PROJ # 26-PR-1008



DATE 8/04/2026 PER VILLAGE COMMENTS DATED 7/14/2026

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DETAIL SHEET

2350 PLAINFIELD ROAD
CREST HILL, ILLINOIS

Morris Engineering, Inc.
Civil Engineering - Consulting
Land Surveying
515 Waverline Road, Suite 100
O'Fallon, IL 60552
Phone: (630) 271-1050
Survey: (630) 271-0599
Fax: (630) 271-0774
Website: www.edwi.com

BETTER ENVIRONMENTS
BETTER LIFE!

FIELD CREW: PIW
DRAWN BY: CJS
CHECKED BY: AS
APPROVED BY: EF
DATE: 6/08/2026
SCALE: HORIZ -
VERT -

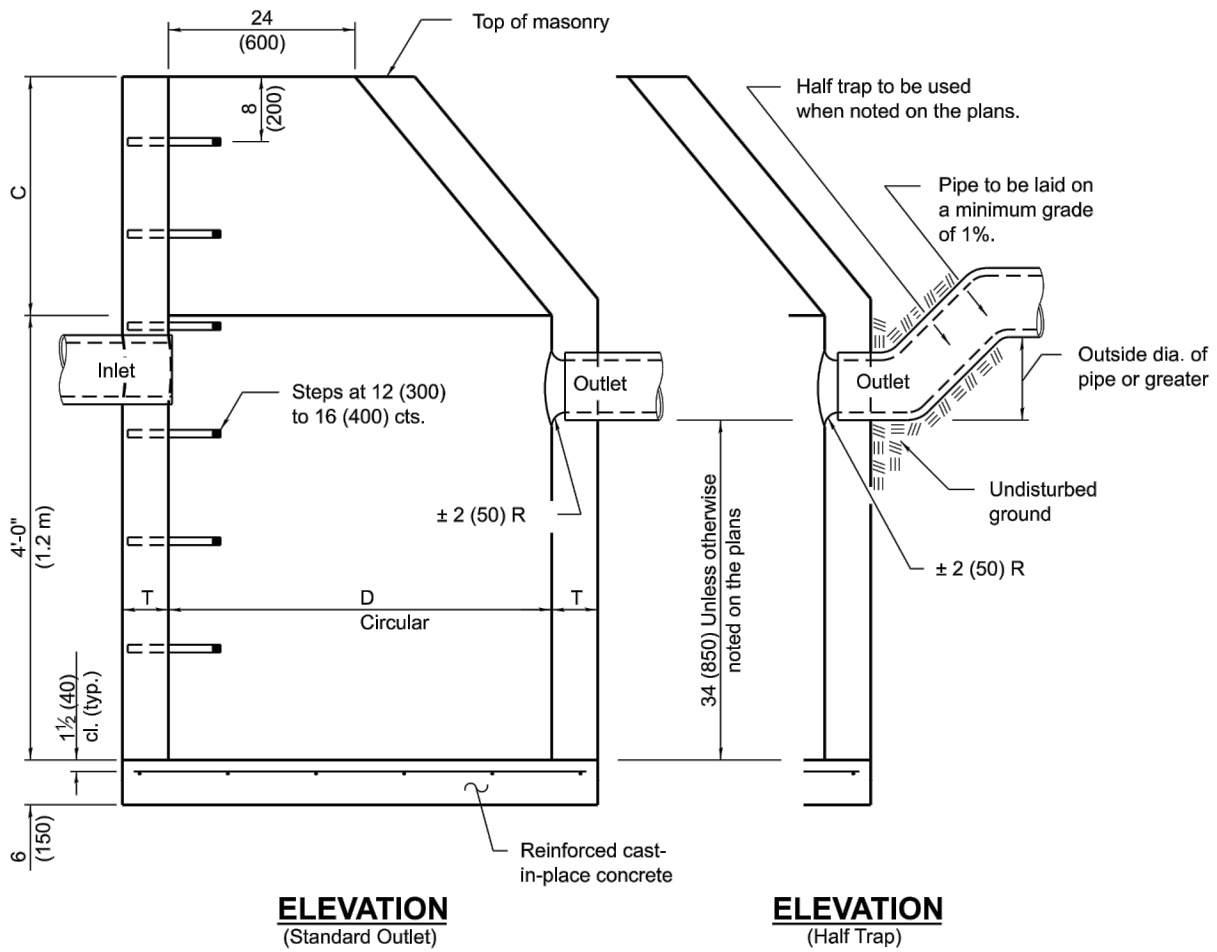
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OF 14 SHEETS
PROJ # 26-PR-1008

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Illinois Department of Transportation

APPROVED January 1, 2011
Michael Brand
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2011
Santosh
ENGINEER OF DESIGN AND ENVIRONMENT



ALTERNATE MATERIALS FOR WALLS	D	C*	T (min.)
Concrete Masonry Unit	4'-0" (1.2 m) 5'-0" (1.5 m)	3'-0" (1.15 m)	5 (125) 8 (200)
Brick Masonry	4'-0" (1.2 m) 5'-0" (1.5 m)	3'-9" (1.15 m)	8 (200) 8 (200)
Precast Reinforced Concrete Section	4'-0" (1.2 m) 5'-0" (1.5 m)	3'-9" (1.15 m)	4 (100) 5 (125)
Cast-in-place Concrete	4'-0" (1.2 m) 5'-0" (1.5 m)	3'-9" (1.15 m)	6 (150) 6 (150)

* For precast reinforced concrete sections, dimension "C" may vary from the dimension given to plus 6 (150).

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.20 sq. in./ft. (420 sq. mm/m) in both directions with a maximum spacing of 12 (300).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

See Standard 602601 for optional precast reinforced concrete flat slab top.

See Standard 602701 for details of steps.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-11	Added 'Outside' to half trap note.
	Detail rein. in slabs. Revised general notes.
1-1-09	Switched units to English (metric).

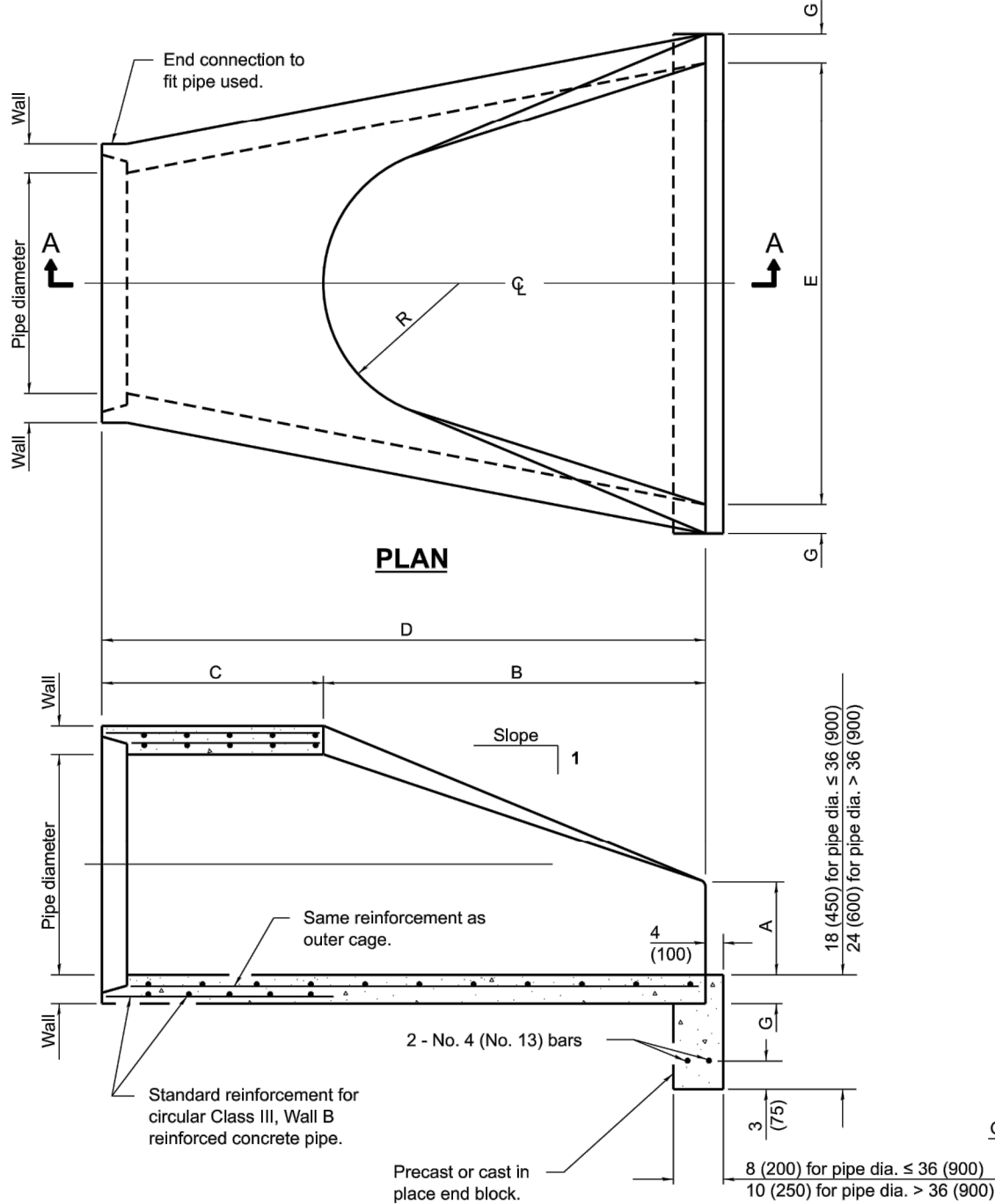
CATCH BASIN TYPE A

STANDARD 602001-02

Illinois Department of Transportation

APPROVED January 1, 2011
Michael Brand
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2011
Santosh
ENGINEER OF DESIGN AND ENVIRONMENT



PIPE DIA.	APPROX. QTY. lbs. (kg)	WALL	A	B	C	D	E	G	R	APPROX. SLOPE
12 (300)	530 (240)	2 (51)	4 (102)	24 (610)	4'-0 1/2" (1.241 m)	6'-0 1/4" (1.851 m)	24 (610)	2 (51)	9 (229)	1:2.4
15 (375)	740 (335)	2 1/2 (57)	6 (152)	27 (686)	3'-10" (1.168 m)	6'-1" (1.854 m)	30 (762)	2 1/2 (57)	11 (280)	1:2.4
18 (450)	990 (450)	2 1/2 (64)	9 (229)	27 (686)	3'-10" (1.168 m)	6'-1" (1.854 m)	36 (914)	2 1/2 (64)	12 (305)	1:2.4
21 (525)	1280 (580)	2 1/2 (70)	9 (229)	35 (889)	3'-6" (1.067 m)	6'-1" (1.854 m)	38 (965)	2 1/2 (70)	13 (330)	1:2.4
24 (600)	1520 (690)	3 (76)	9 1/2 (241)	30 (762)	3'-7 1/2" (1.105 m)	6'-1 1/2" (1.867 m)	4'-0" (1.219 m)	3 (76)	14 (356)	1:2.5
27 (675)	1930 (875)	3 1/2 (83)	10 1/2 (267)	30 (762)	4'-0" (1.219 m)	6'-1 1/2" (1.867 m)	4'-6" (1.372 m)	3 1/2 (83)	14 1/2 (368)	1:2.4
30 (750)	2190 (995)	3 1/2 (89)	12 (305)	30 (762)	4'-4" (1.375 m)	6'-1 1/2" (1.867 m)	5'-0" (1.524 m)	3 1/2 (89)	15 (381)	1:2.5
33 (825)	3200 (1450)	3 1/2 (95)	13 1/2 (343)	39 1/2 (1.067 m)	4'-10 1/2" (1.486 m)	8'-1 1/2" (2.483 m)	5'-6" (1.676 m)	3 1/2 (95)	17 1/2 (445)	1:2.5
36 (900)	4100 (1850)	4 (102)	15 (381)	4 (102)	5'-3" (1.6 m)	8'-1 1/2" (2.483 m)	6'-0" (1.829 m)	4 (102)	20 (508)	1:2.5
42 (1050)	5380 (2440)	4 1/2 (114)	21 (533)	5'-3" (1.6 m)	8'-2" (2.483 m)	6'-6" (2.011 m)	7'-0" (2.134 m)	4 1/2 (114)	22 (559)	1:2.5
48 (1200)	6550 (2970)	5 (125)	24 (610)	6'-0" (1.829 m)	8'-2" (2.483 m)	7'-0" (2.134 m)	7'-0" (2.134 m)	5 (125)	22 (559)	1:2.5
54 (1350)	8240 (3740)	5 1/2 (140)	27 (686)	6'-0" (1.829 m)	8'-4" (2.54 m)	7'-6" (2.286 m)	7'-6" (2.286 m)	5 1/2 (140)	24 (610)	1:2.5
60 (1500)	8730 (3950)	6 (150)	30 (762)	6'-0" (1.829 m)	8'-4" (2.54 m)	7'-6" (2.286 m)	7'-6" (2.286 m)	6 (150)	24 (610)	1:1.9
66 (1650)	10710 (4860)	6 1/2 (165)	30 (762)	6'-0" (1.829 m)	8'-4" (2.54 m)	7'-6" (2.286 m)	7'-6" (2.286 m)	6 1/2 (165)	24 (610)	1:1.7
72 (1800)	12620 (5690)	7 (178)	36 (914)	6'-6" (1.981 m)	8'-3" (2.514 m)	7'-6" (2.286 m)	7'-6" (2.286 m)	7 (178)	24 (610)	1:1.8
78 (1950)	14770 (6700)	7 1/2 (191)	36 (914)	7'-4" (2.286 m)	8'-3" (2.514 m)	7'-6" (2.286 m)	7'-6" (2.286 m)	7 1/2 (191)	24 (610)	1:1.8
84 (2100)	18160 (8240)	8 (203)	36 (914)	7'-6 1/2" (2.299 m)	8'-3" (2.514 m)	7'-6" (2.286 m)	7'-6" (2.286 m)	8 (203)	24 (610)	1:1.6

* Radius as furnished by manufacturer

GENERAL NOTES

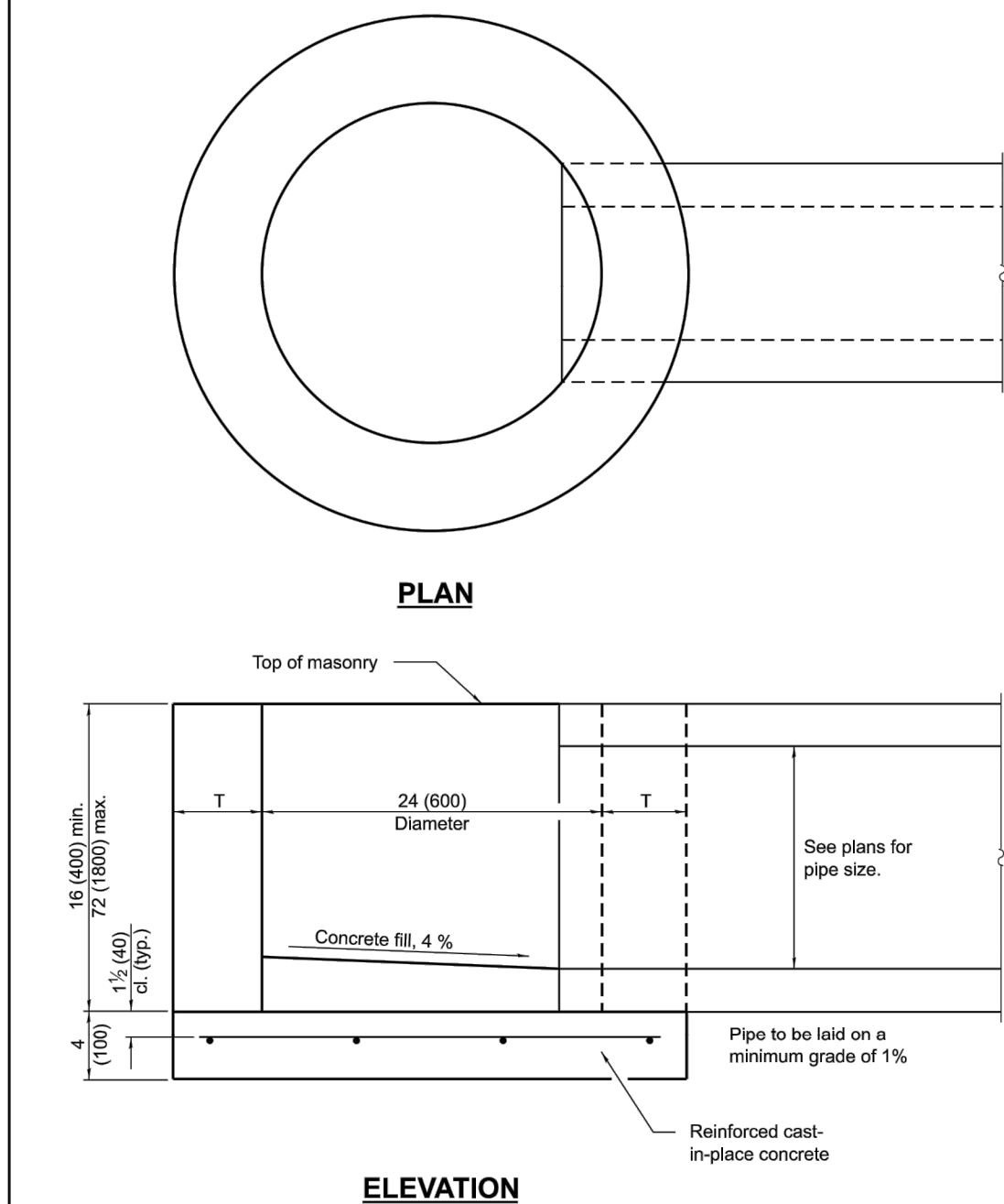
All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

All dimensions are in inches (millimeters) unless otherwise shown.

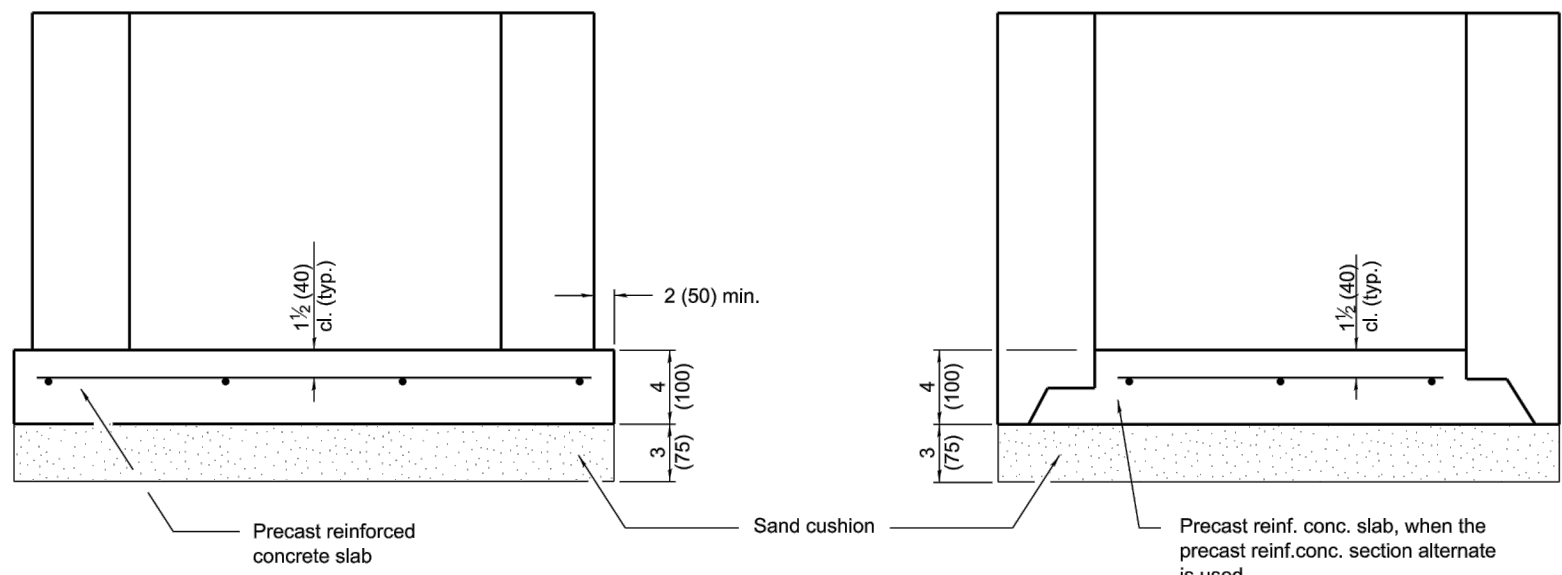
DATE	REVISIONS
1-1-11	Clarified ref. to pipe dia. on Section A-A. Changed 'inner' to 'outer' cage. ref.
1-1-09	Switched units to English (metric).

PRECAST REINFORCED CONCRETE FLARED END SECTION

STANDARD 542301-03



ALTERNATE MATERIALS FOR WALLS	T (min.)
BRICK MASONRY	8 (200)
CAST-IN-PLACE CONCRETE	6 (150)
CONCRETE MASONRY UNIT	5 (125)
PRECAST REINFORCED CONCRETE SECTION	3 (75)



GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.24 sq. in./ft. (510 sq. mm/m) in both directions with a maximum spacing of 10 (250).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-14	Increased height to 72 (1800) maximum.
1-1-11	Detailed rein. in slabs. Added max. limit to height. Added general notes.

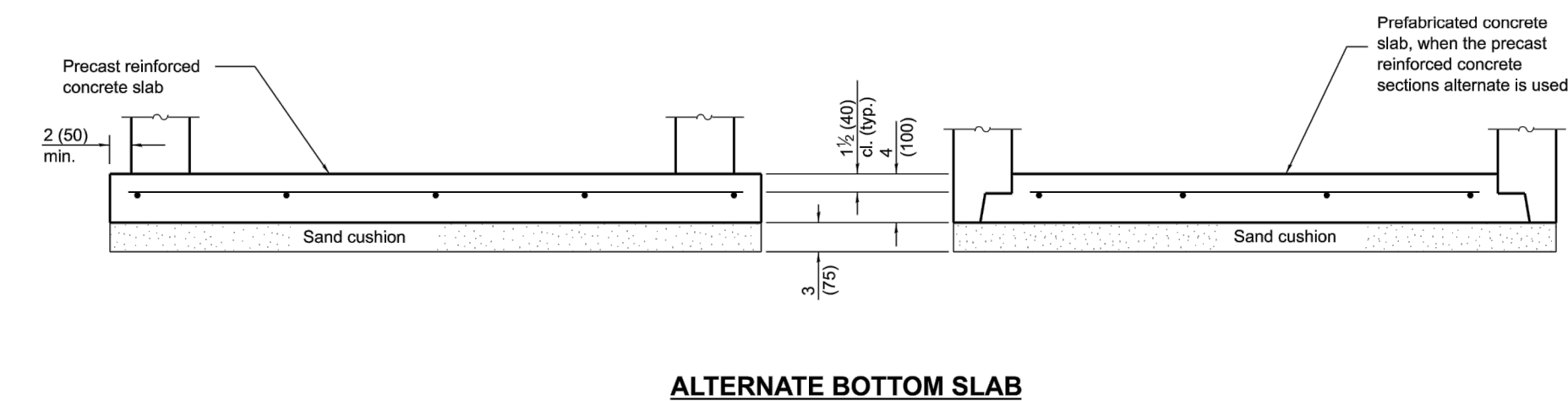
INLET - TYPE A

STANDARD 602301-04

Illinois Department of Transportation

APPROVED January 1, 2011
Michael Brand
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2011
Santosh
ENGINEER OF DESIGN AND ENVIRONMENT



DATE	REVISIONS
1-1-11	Detailed rein. in slabs. Added max limit to height. Added general notes.
1-1-09	Switched units to English (metric).

CATCH BASIN TYPE C

STANDARD 602011-02

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.27 sq. in./ft. (570 sq. mm/m) in both directions with a maximum spacing of 9 (230).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE 8/04/2026

PER VILLAGE COMMENTS DATED 7/14/2026

DETAIL SHEET

2350 PLAINFIELD ROAD
CREST HILL, ILLINOIS

Morris Engineering, Inc.
Civil Engineering • Consulting
Land Surveying
515 Waverly Road, Suite 100
Phone: (630) 271-1000
Survey: (630) 271-1059
FAX: (630) 271-0774
Website: www.medi.com



FIELD CREW: PIW
DRAWN BY: CJS
CHECKED BY: AS
APPROVED BY: EF
DATE: 6/08/2026
SCALE: HORIZ -
VERT -

SHEET

11

OF 14 SHEETS

PROJ # 26-PR-1008

8/4/2026 9:42:59 AM
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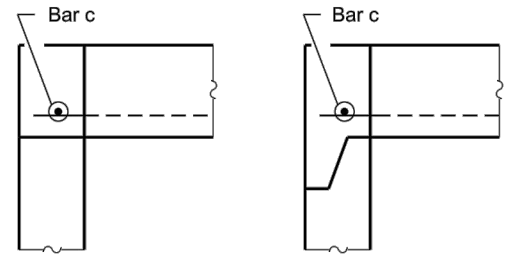
Illinois Department of Transportation

APPROVED January 1, 2021
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

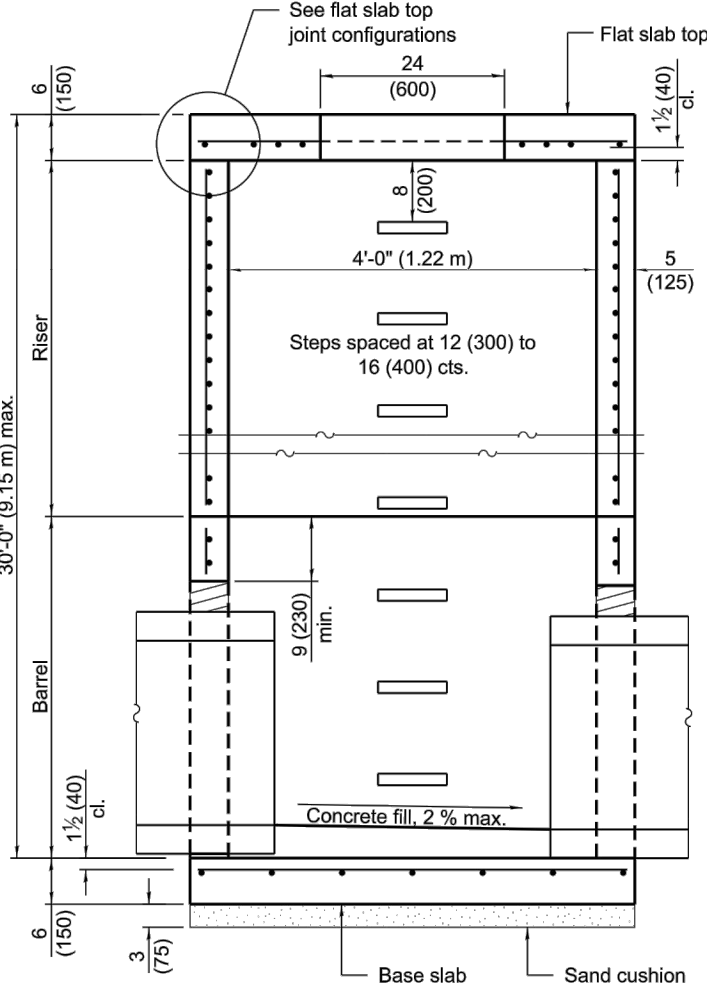
FLAT SLAB TOP JOINT CONFIGURATIONS

(Shown at access hole)



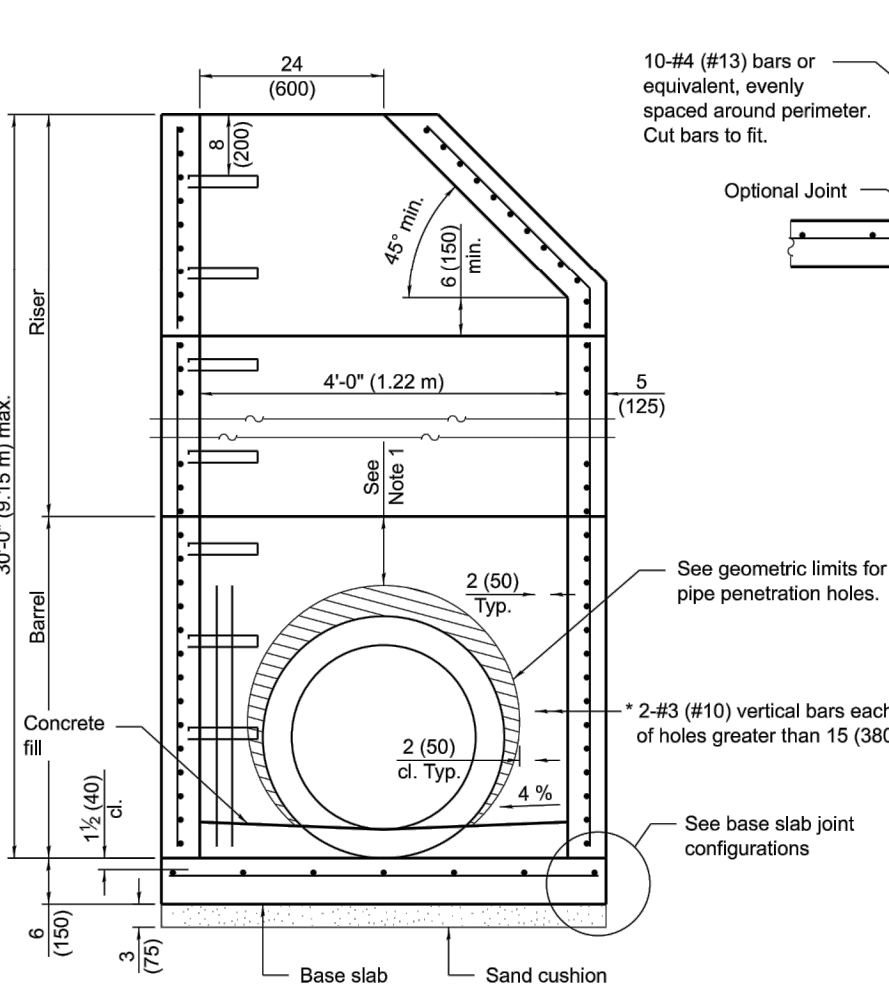
SECTION PARALLEL TO PIPE

(Without conical top riser)



SECTION PERPENDICULAR TO PIPE

(With conical top riser)

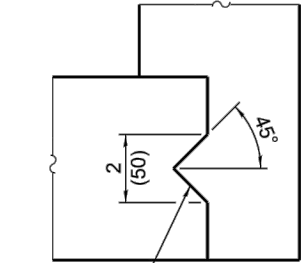


GEOMETRIC LIMITS FOR PIPE PENETRATION HOLES

- Note 1: A minimum of 9 (230) of monolithic reinforced concrete shall be maintained above pipe penetration holes > 24 (600).
- Note 2: A minimum 12 (300) inside arc length of reinforced concrete shall be maintained between pipe penetration holes > 15 (380).
- Note 3: A maximum of 60 percent of the inside perimeter of the reinforced concrete manhole walls may be removed.
- Note 4: Horizontal joints that intersect pipe penetration holes > 15 (380) shall have one joint splice for every location around the perimeter of the joint where the inside arc length between pipe penetration holes is < 24 (600). See joint splice detail.
- Note 5: The recommended pipe penetration hole is equal to the O.D. of the pipe plus 4 (100).
- Note 6: Only pipe penetration holes ≤ 15 (380) are allowed in riser sections.

SHEAR KEY GEOMETRY

(Reinforcement not shown for clarity)



GENERAL NOTES

The manufacturer shall ensure that all precast manhole sections are additionally reinforced where required to resist damage from handling, shipping and installation stresses.

Lifting holes shall be located in the sections as per the manufacturer's recommendations.

See Standard 602701 for details of manhole steps.

All dimensions are in inches (millimeters) unless otherwise noted.

DATE	REVISIONS
1-1-21	Revised Note 1 and lift hole general note.
3-1-19	Moved wall reinforcement from inside face to middle.

PRECAST MANHOLE TYPE A

4' (1.22 m) DIAMETER

(Sheet 1 of 2)

STANDARD 602401-07

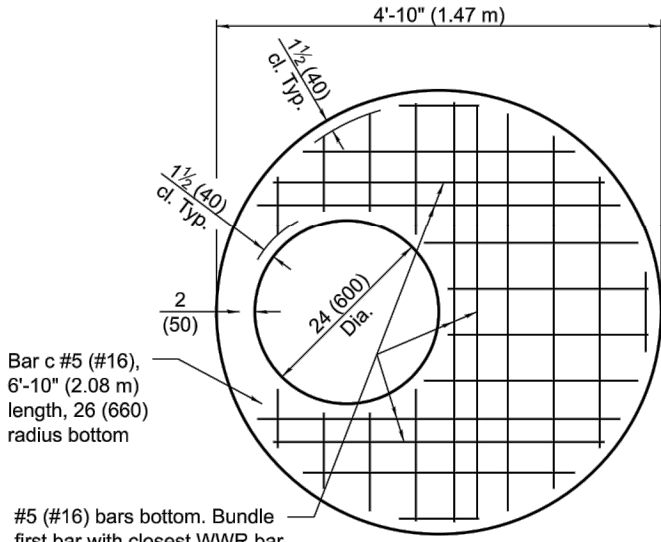
Illinois Department of Transportation

APPROVED January 1, 2021
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

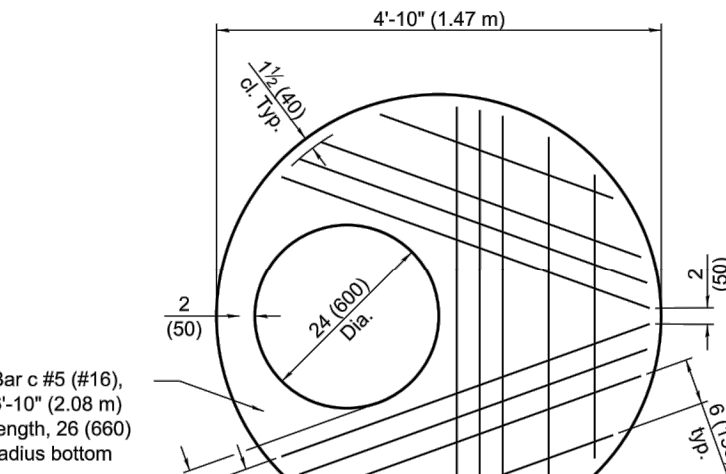
PLAN - FLAT SLAB TOP

(Showing layout of welded wire reinforcement and c bars)

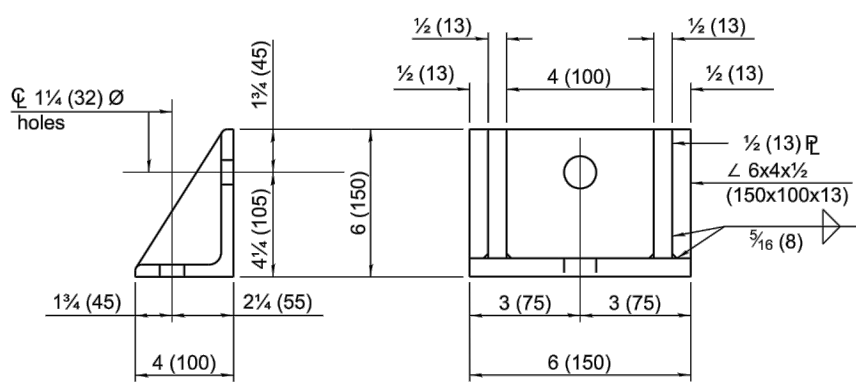


PLAN - FLAT SLAB TOP

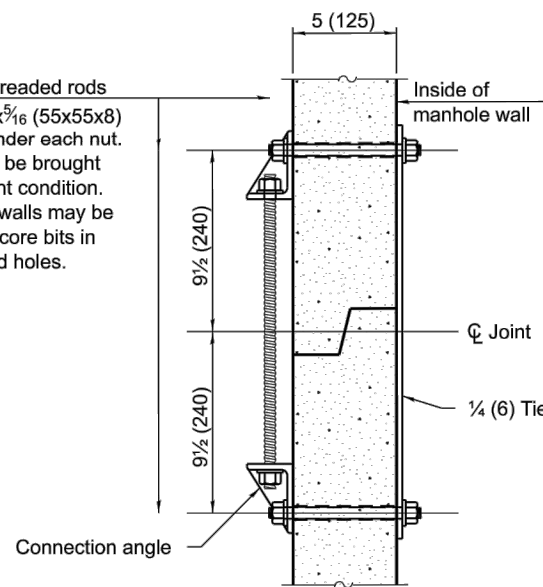
(Showing layout of reinforcement bars and c bars)



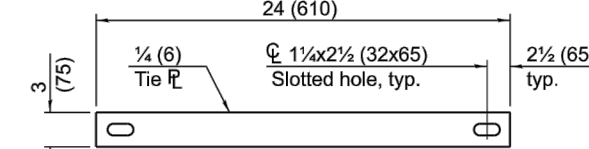
CONNECTION ANGLE



JOINT SPLICE



TIE PLATE



PRECAST MANHOLE TYPE A

4' (1.22 m) DIAMETER

(Sheet 2 of 2)

STANDARD 602401-07

FLAT SLAB TOP REINFORCEMENT

Location	WWR (each direction)	Rebar
	A_s (min.) Spacing (max.)	A_s (min.) Spacing (max.) Bar Size
Bottom Mat	** 0.62 sq. in./ft. (1312 sq. mm/m)	6 (150) See plan view for rebar orientation and spacing and this table for bar size (#16)

** Only one layer of WWR permitted to avoid congestion.

WALL REINFORCEMENT

Location	Orientation	WWR or Rebar
		A_s (min.) Spacing (max.)
Riser	Circumferential	0.12 sq. in./ft. (254 sq. mm/m) 6 (150)
	Vertical	0.045 sq. in./ft. (95 sq. mm/m) 8 (200)
Barrel	Circumferential	0.12 sq. in./ft. (254 sq. mm/m) 6 (150)
	Vertical	0.16 sq. in./ft. (339 sq. mm/m) 4 (100)

BASE SLAB REINFORCEMENT

Location	Total Height	WWR or Rebar (each direction)
		A_s (min.) Spacing (max.)
Top Mat	≤ 20 ft. (6.10 m)	0.24 sq. in./ft. (508 sq. mm/m) 10 (250)
Bottom Mat	> 20 ft. (6.10 m)	0.24 sq. in./ft. (508 sq. mm/m) 10 (250)

FLAT SLAB TOP REINFORCEMENT

Location	WWR (each direction)	Rebar (each direction except as noted)
	A_s (min.) Spacing (max.)	A_s (min.) Spacing (max.) Bar Size
Top Mat	0.11 sq. in./ft. (233 sq. mm/m) 18 (450)	0.11 sq. in./ft. (233 sq. mm/m) 18 (450) #3 or #4 (#10) (#13)
Bottom Mat	** 0.40 sq. in./ft. (847 sq. mm/m) 6 (150)	See plan view for rebar orientation and spacing and this table for bar size (#13)

** Only one layer of WWR permitted to avoid congestion.

WALL REINFORCEMENT

Location	Orientation	WWR or Rebar
		A_s (min.) Spacing (max.)
Riser	Circumferential	0.15 sq. in./ft. (318 sq. mm/m) 6 (150)
	Vertical	0.045 sq. in./ft. (95 sq. mm/m) 8 (200)
Barrel	Circumferential	0.15 sq. in./ft. (318 sq. mm/m) 6 (150)
	Vertical	0.16 sq. in./ft. (339 sq. mm/m) 4 (100)

BASE SLAB REINFORCEMENT

Location	Total Height	WWR or Rebar (each direction)
		A_s (min.) Spacing (max.)
Top Mat	≤ 20 ft. (6.10 m)	0.24 sq. in./ft. (508 sq. mm/m) 10 (250)
Bottom Mat	> 20 ft. (6.10 m)	0.28 sq. in./ft. (593 sq. mm/m) 8 (200)

PRECAST MANHOLE TYPE A

5' (1.52 m) DIAMETER

(Sheet 2 of 2)

STANDARD 602402-03

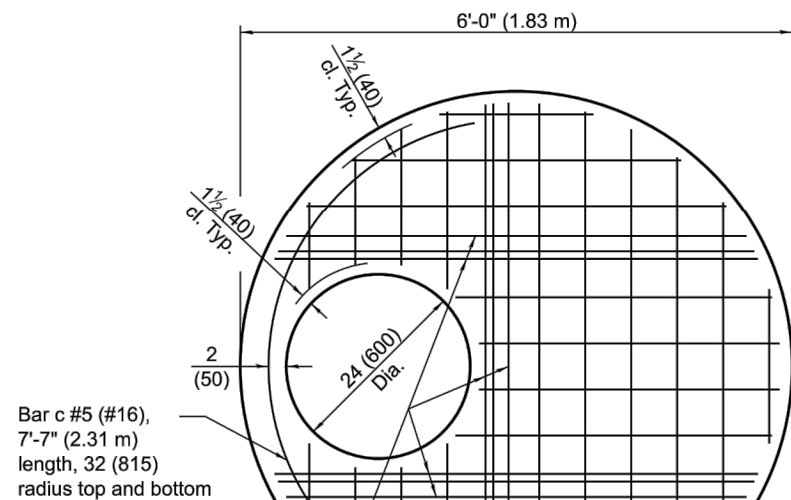
Illinois Department of Transportation

APPROVED January 1, 2021
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

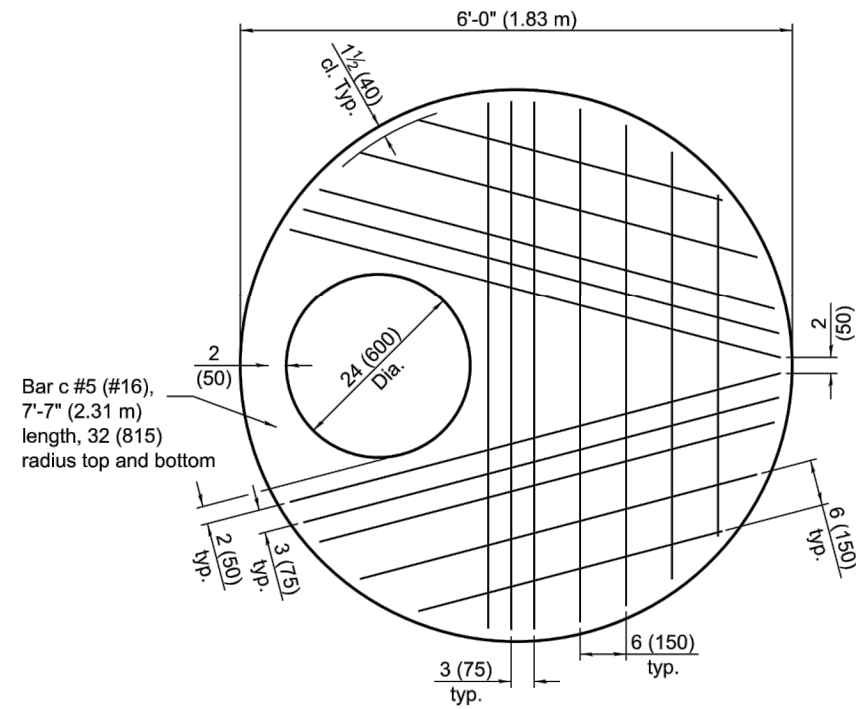
PLAN - FLAT SLAB TOP

(Showing layout of welded wire reinforcement and c bars)

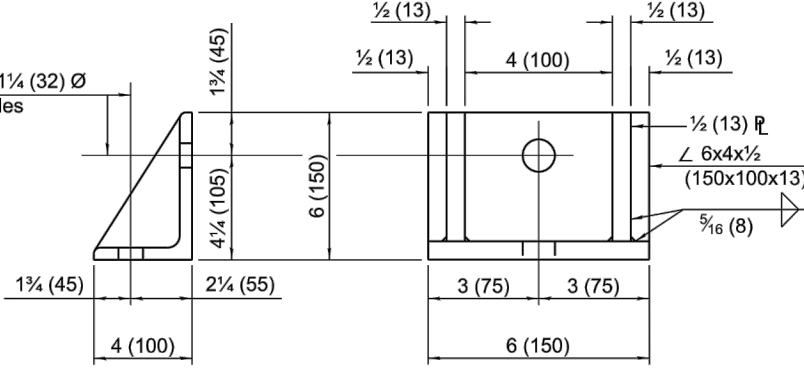


PLAN - FLAT SLAB TOP

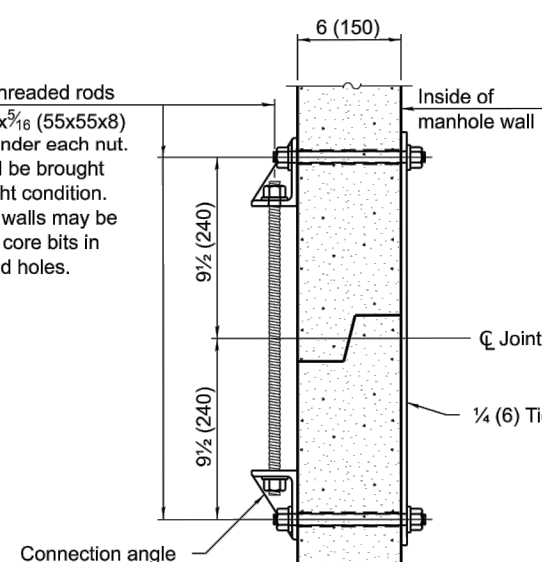
(Showing layout of bottom reinforcement bars and c bars)



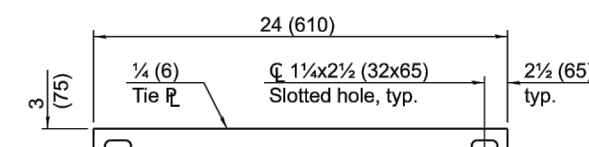
CONNECTION ANGLE



JOINT SPLICE



TIE PLATE

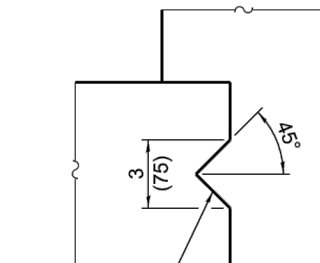


GEOMETRIC LIMITS FOR PIPE PENETRATION HOLES

- Note 1: A minimum of 9 (230) of monolithic reinforced concrete shall be maintained above pipe penetration holes > 32 (810).
- Note 2: A minimum 12 (300) inside arc length of reinforced concrete shall be maintained between pipe penetration holes > 15 (380).
- Note 3: A maximum of 60 percent of the inside perimeter of the reinforced concrete manhole walls may be removed.
- Note 4: Horizontal joints that intersect pipe penetration holes > 15 (380) shall have one joint splice for every location around the perimeter of the joint where the inside arc length between pipe penetration holes is < 24 (600). See joint splice detail.
- Note 5: The recommended pipe penetration hole is equal to the O.D. of the pipe plus 4 (100).
- Note 6: Only pipe penetration holes ≤ 15 (380) are allowed in riser sections.

SHEAR KEY GEOMETRY

(Reinforcement not shown for clarity)



GENERAL NOTES

The manufacturer shall ensure that all precast manhole sections are additionally reinforced where required to resist damage from handling, shipping and installation stresses.

Lifting holes shall be located in the sections as per the manufacturer's recommendations.

See Standard 602701 for details of manhole steps.

All dimensions are in inches (millimeters) unless otherwise noted.

DATE	REVISIONS
1-1-21	Revised Note 1 and lifting hole general note.
3-1-19	Moved wall reinforcement from inside face to middle.

PRECAST MANHOLE TYPE A

5' (1.52 m) DIAMETER

(Sheet 1 of 2)

STANDARD 602402-03

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