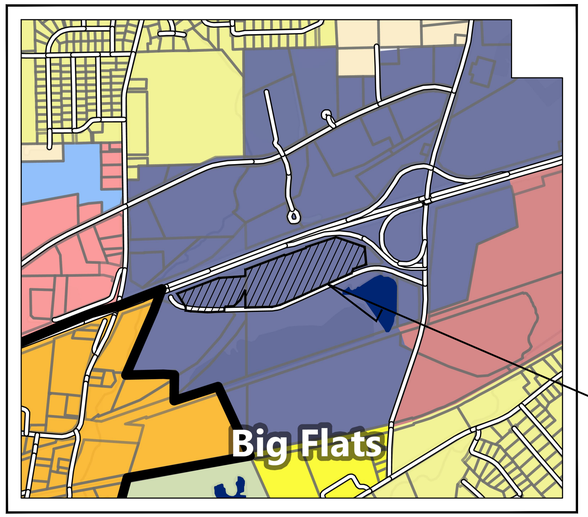


ZONING MAP

SCALE: N.T.S

PERMIT DRAWINGS

FOR

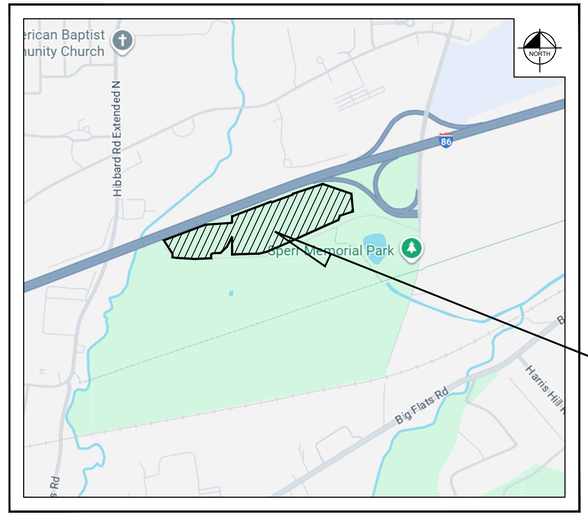
PROJECT MILO

TOWN OF BIG FLATS, NY

PARCEL #s:
67.01-1-5.1 & A PORTION OF 67.01-1-7.1

ZONING:
AIRPORT BUSINESS DEVELOPMENT (ABD)

January 15, 2026



LOCATION MAP

SCALE: N.T.S

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New York

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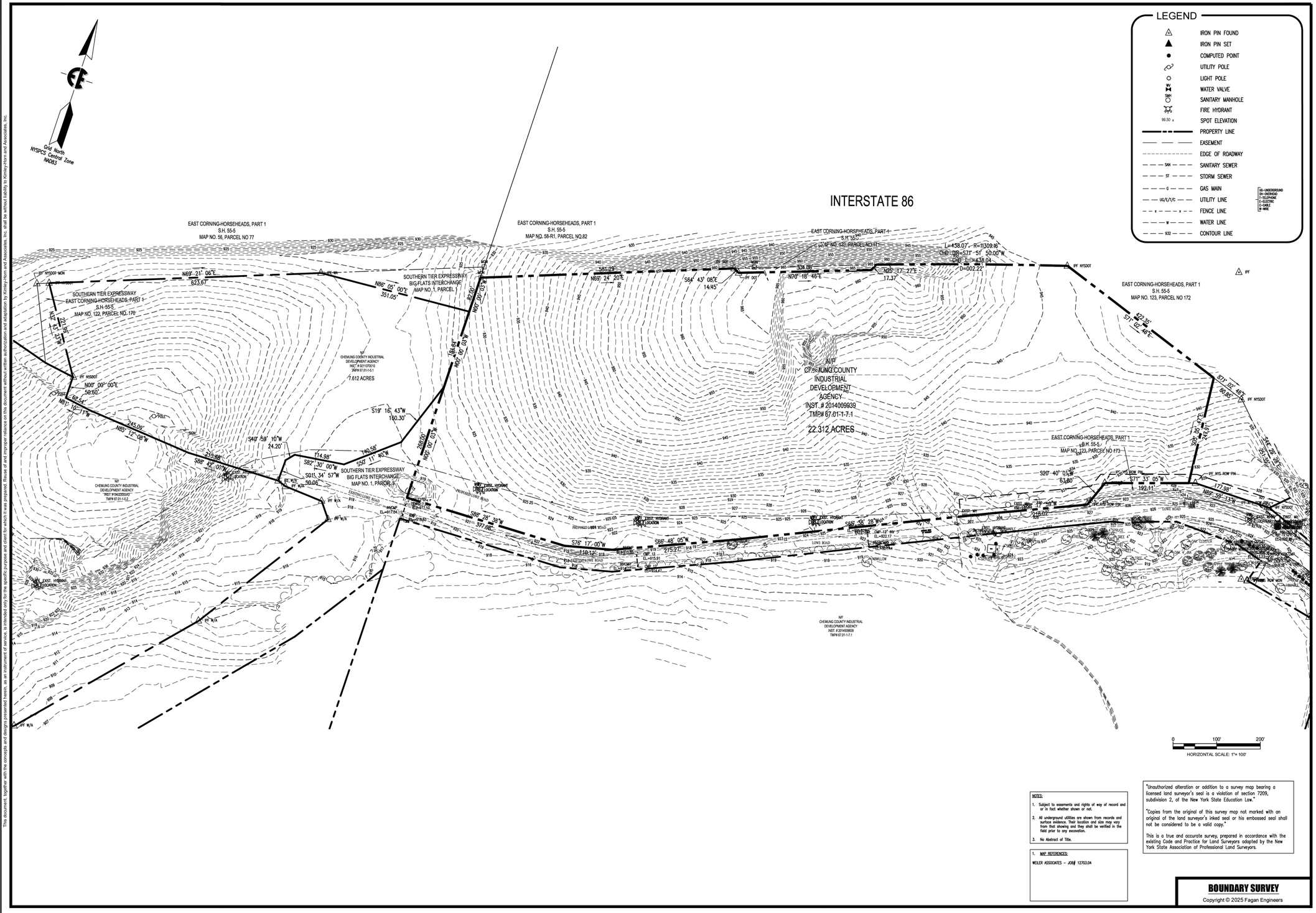
811 Know what's below. Call before you dig.

1/15/2026
ENGINEER'S PROJECT No. PROJECT MILO

REVISIONS:

NO.	DESCRIPTION	DATE	BY

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LEGEND

- IRON PIN FOUND
- IRON PIN SET
- COMPUTED POINT
- UTILITY POLE
- LIGHT POLE
- WATER VALVE
- SANITARY MANHOLE
- FIRE HYDRANT
- SPOT ELEVATION
- PROPERTY LINE
- EASEMENT
- EDGE OF ROADWAY
- SANITARY SEWER
- STORM SEWER
- GAS MAIN
- UTILITY LINE
- FENCE LINE
- WATER LINE
- CONTOUR LINE

UG=UNDERGROUND
OH=OVERHEAD
T=TELEPHONE
E=ELECTRIC
C=CABLE
W=WIRE

NOTES:

1. Subject to easements and rights of way of record and or in fact whether shown or not.
2. All underground utilities are shown from records and surface evidence. Their location and size may vary from that showing and they shall be verified in the field prior to any excavation.
3. No Abstract of Title.

1. MAP REFERENCES:

WEILER ASSOCIATES – JOB# 12703.04

"Unauthorized alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of section 7209, subdivision 2, of the New York State Education Law."

"Copies from the original of this survey map not marked with an original of the land surveyor's inked seal or his embossed seal shall not be considered to be a valid copy."

This is a true and accurate survey, prepared in accordance with the existing Code and Practice for Land Surveyors adopted by the New York State Association of Professional Land Surveyors.

BOUNDARY SURVEY

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No.	Revision Description	Date	BY
1.			
2.			
3.			
4.			
5.			
6.			
7.			

REVISIONS

It Is A Violation Of The New York Education Law, Article 145 Section 7209, For Any Person, Unless He Is Acting Under The Direction Of A Licensed Professional Engineer Or Land Surveyor To Alter An Item In Any Way. If An Item Bearing The Seal Of An Engineer Or Land Surveyor Is Altered, The Altering Engineer Or Land Surveyor Shall Affix To The Item His Seal And The Notation "Altered By" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.

STATE OF NEW YORK
MARK E. FUSARO
050197
LICENSED LAND SURVEYOR

Kimley»Horn
New York

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Scale:	1" = 100'
	11x17 Prints are 1/2 Scale
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SUBDIVISON PLAT

KHA PROJECT 249633002
DATE 11/5/2026
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

EXISTING CONDITIONS

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C1.0

GENERAL CONSTRUCTION NOTES

1. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.
3. THE CONTRACTOR AND SUBCONTRACTORS SHOULD BE FAMILIAR WITH ALL STATE AND LOCAL REQUIREMENTS RELATED TO SITE CONSTRUCTION ACTIVITIES PRIOR TO COMMENCING WORK. ALL WORK SHALL CONFORM AS APPLICABLE TO THESE GOVERNING STANDARDS AND SPECIFICATIONS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL.
5. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE COMMENCING ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. AN APPROXIMATE LIST OF THE UTILITY COMPANIES WHICH THE CONTRACTOR MUST CALL BEFORE COMMENCING WORK IS PROVIDED ON THE COVER SHEET OF THESE CONSTRUCTION PLANS. THIS LIST SERVES AS A GUIDE ONLY AND IS NOT INTENDED TO LIMIT THE UTILITY COMPANIES WHICH THE CONTRACTOR MAY WISH TO NOTIFY.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, GEOTECHNICAL REPORT AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.
9. ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER AND DESIGN ENGINEER OF RECORD DIRECTLY FROM THE TESTING AGENCY.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE ENGINEER A CERTIFIED RECORD SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF NEW YORK DEPICTING THE ACTUAL FIELD LOCATION OF ALL CONSTRUCTED IMPROVEMENTS THAT ARE REQUIRED BY THE JURISDICTIONAL AGENCIES FOR THE CERTIFICATION PROCESS. ALL SURVEY COSTS WILL BE THE CONTRACTORS RESPONSIBILITY.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AS THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF NEW YORK PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.
12. ANY WELLS DISCOVERED ON SITE THAT WILL HAVE NO USE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL JURISDICTIONAL AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONMENT PERMITS REQUIRED.
13. ANY WELL DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES WITHIN 24 HOURS AFTER DISCOVERY IS MADE.
14. ANY EXISTING UTILITY, WHICH IS TO BE EXTENDED, WHICH IS THE CONNECTION POINT FOR NEW UNDERGROUND UTILITIES, OR WHICH NEW FACILITIES CROSS, SHALL BE EXPOSED BY THE CONTRACTOR PRIOR TO PLACEMENT OF THE NEW UTILITIES. COST OF SUCH EXCAVATION AND SUBSEQUENT BACKFILL SHALL BE INCLUDED IN THE PRICES PAID FOR THE VARIOUS ITEMS OF WORK. THE ELEVATIONS AND LOCATIONS OF THE EXISTING FACILITIES WILL BE CHECKED BY THE PUBLIC WORKS INSPECTOR AND THE ENGINEER. IF IN THE OPINION OF THE INSPECTOR A CONFLICT EXISTS, THEN THE ENGINEER SHALL MAKE ANY NEEDED GRADE AND/OR ALIGNMENT ADJUSTMENTS AND REVISE THE PLANS ACCORDINGLY. ALL GRAVITY FLOW PIPELINES TO BE LAID UPGRADE FROM THE LOWEST POINT STARTING AT THE END OF EXISTING IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 24 HOURS PRIOR TO BACKFILLING OF ANY PIPE WHICH STUBS TO A FUTURE PHASE OF CONSTRUCTION FOR INVERT VERIFICATION. TOLERANCE SHALL BE IN ACCORDANCE WITH CITY STANDARD SPECIFICATIONS.

DEMOLITION NOTES

1. ALL MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER.
2. REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING BUILDINGS, STRUCTURES, SLABS, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND PROPERLY DISPOSED OF IN A LEGAL MANNER AS PART OF THIS CONTRACT. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. REFER TO THE DEMOLITION PLAN FOR THE LIMITS OF ASPHALT REMOVAL (THE EXISTING PARKING LOT IS TO REMAIN). IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.
3. THE CONTRACTOR SHALL REFER TO THE DEMOLITION PLAN AND LANDSCAPE PLAN FOR DEMOLITION/PRESERVATION OF EXISTING TREES. ALL TREES NOT SPECIFICALLY SHOWN TO BE PRESERVED OR RELOCATED SHALL BE REMOVED AS A PART OF THIS CONTRACT. TREE PROTECTION FENCING SHALL BE INSTALLED AS NECESSARY PRIOR TO ANY DEMOLITION.
4. CONTRACTOR SHALL ADJUST GRADE OF ANY RIMS/COVERS TO THE FINISHED ELEVATIONS OF EXISTING UTILITIES TO REMAIN.

RECORD DRAWINGS

1. WHERE LOCAL JURISDICTIONS REQUIRE RECORD DRAWINGS, THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER AND OWNER COPIES OF A PAVING, GRADING AND DRAINAGE RECORD DRAWING AND A SEPARATE UTILITY RECORD DRAWING, BOTH PREPARED BY A NEW YORK REGISTERED SURVEYOR. THE RECORD DRAWINGS SHALL VERIFY ALL DESIGN INFORMATION INCLUDED ON THE DESIGN PLANS OF THE SAME NAME.

PROJECT CLOSEOUT

1. CONTRACTOR SHALL PROVIDE THE NECESSARY ITEMS INCLUDING ANY TESTING, REPORTS, OR CERTIFICATION DOCUMENTS REQUIRED BY THE GOVERNING JURISDICTIONS TO PROPERLY CLOSEOUT THE PROJECT BEFORE IT CAN BE DEEMED COMPLETE.

DESIGN ENGINEER NOTES

1. THE TERM 'DESIGN ENGINEER' USED HEREIN SHALL MEAN THE ENGINEER WHO HAS SIGNED AND SEALED HIS/HER RESPECTIVE PLAN SHEETS AND IS IN RESPONSIBLE CHARGE OF THE ENGINEERING DESIGN ON THOSE SHEETS. THE TERM 'CONTRACTOR' USED HEREIN SHALL MEAN ANY GENERAL CONTRACTOR OR SUBCONTRACTOR USING THESE PLANS.
2. THE DESIGN ENGINEER SHALL NOT PROVIDE, OBSERVE, COMMENT ON NOR ENFORCE ANY SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, IMPLEMENT, AND MAINTAIN ALL SAFETY MEASURES AND SHALL BE SOLELY RESPONSIBLE FOR ALL REQUIRED SAFETY MEASURES, PROCEDURES AND PROGRAMS AND COMPLYING WITH ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS, AND REGULATIONS. THE CONTRACTOR AGREES THAT SHE/HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOBSITE CONDITIONS AND SAFETY OF ALL PERSONS AND PROPERTY DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
3. THE DESIGN ENGINEER SHALL HAVE NO RESPONSIBILITY FOR ANY OF THE CONTRACTOR'S MEANS AND METHODS OF CONSTRUCTION, TECHNIQUES, EQUIPMENT CHOICE AND USAGE, SEQUENCE, SCHEDULE, SAFETY PROGRAMS, OR SAFETY PRACTICES, NOR SHALL THE DESIGN ENGINEER HAVE ANY AUTHORITY OR RESPONSIBILITY TO DIRECT OR STOP THE WORK OF ANY CONTRACTOR.
4. ANY CHANGES MADE BY THE CONTRACTOR TO THE CONTRACTUALLY AGREED UPON SCOPE, SCHEDULE AND/OR FEE, WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE OWNER, IS THE SOLE RESPONSIBILITY AND LIABILITY OF THE CONTRACTOR. THE DESIGN ENGINEER IS NOT RESPONSIBLE FOR DIRECTING, IMPLICITLY OR EXPLICITLY ANY SUCH CHANGES AND THE CONTRACTOR ASSUMES ALL RISK OF UNDERTAKING ANY SUCH CHANGES.
5. THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE DESIGN ENGINEER AND OWNER, THEIR OFFICERS, AGENTS AND EMPLOYEES, HARMLESS FROM ANY AND ALL CLAIMS, DEMANDS, JUDGMENTS, LOSS, DAMAGES, COSTS, EXPENSES, FEES OR LIABILITY WHATSOEVER, REAL OR ALLEGED, IN CONNECTION WITH, IN WHOLE OR IN PART, DIRECTLY OR INDIRECTLY, THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE DESIGN ENGINEER.
6. IF THERE ARE ANY QUESTIONS REGARDING THESE PLANS, THE CONTRACTOR SHALL REQUEST IN WRITING FROM THE DESIGN ENGINEER AND THE OWNER, AN INTERPRETATION BEFORE PERFORMING ANY RELATED OR IMPACTED WORK. ANY ELECTRONIC FILES ARE PROVIDED ONLY FOR THE CONVENIENCE OF THE RECEIVING PARTY AND ARE INTENDED SOLELY FOR THE EXCLUSIVE USE BY THAT PARTY FOR THE PURPOSES EXPRESSLY AUTHORIZED. IN ACCORDANCE WITH STANDARD INDUSTRY PRACTICE, ONLY PRINTED COPIES OF DOCUMENTS MAY BE RELIED UPON.
7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PREPARING ITS BID, IN WHOLE AND IN PART, BASED UPON THE DESIGN SHOWN ON THESE PLANS. THE CONTRACTOR IS NOT AUTHORIZED TO USE ANY QUANTITIES SHOWN ON THESE PLANS WITHOUT THE EXPLICIT WRITTEN PERMISSION OF THE ENGINEER OF RECORD. THE DESIGN ENGINEER MAKES NO WARRANTY OR REPRESENTATION AS TO THE SUITABILITY OF ANY INFORMATION SHOWN HEREON FOR DETERMINING A CONTRACTOR BID.
8. ANYTHING MENTIONED IN THE SPECIFICATIONS, IF ANY, AND NOT SHOWN ON THE DRAWINGS, OR SHOWN ON THE DRAWINGS AND NOT MENTIONED IN THE SPECIFICATIONS, SHALL BE OF LIKE EFFECT AS IF SHOWN OR MENTIONED IN BOTH.
9. THE EXISTENCE, LOCATION, TYPE, CONDITION AND SIZE OF UNDERGROUND UTILITIES, FACILITIES OR STRUCTURES ('FACILITIES') SHOWN ON THESE PLANS WAS OBTAINED FROM A SEARCH OF READILY AVAILABLE RECORDS, OR AS PROVIDED BY OTHERS. NO REPRESENTATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF SUCH INFORMATION. THE CONTRACTOR SHALL CONFIRM SAID INFORMATION BY FIELD MEASUREMENTS, OBSERVATIONS AND WHATEVER MEANS NECESSARY, PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL IMMEDIATELY INFORM THE DESIGN ENGINEER IN WRITING IF ANY DISCREPANCIES OR CONFLICTING INFORMATION IS FOUND. THE CONTRACTOR SHALL PROTECT THE FACILITIES SHOWN HEREON AND ANY OTHERS NOT OF RECORD OR NOT SHOWN ON THESE PLANS, AS NEEDED. ALL DAMAGES THERETO CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE APPROPRIATE SPECIFICATIONS AND STANDARDS AT THE SOLE EXPENSE OF THE CONTRACTOR.
10. THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES AS NEEDED, SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY DUE TO THE ACTUAL LOCATION, SIZE, TYPE, OR CONDITION OF EXISTING FACILITIES DIFFERING FROM WHAT IS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ALL SUCH FACILITIES WHETHER NOTED ON THESE PLANS OR NOT. THE DESIGN ENGINEER ASSUMES NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ANY DAMAGE TO THE EXISTING IMPROVEMENTS AND REPLACEMENT TO THE SATISFACTION OF THE OWNER AND/OR AUTHORITY HAVING JURISDICTION AS NEEDED.
11. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO STARTING WORK ADJACENT TO, ABOVE OR BELOW THEIR FACILITIES AND SHALL COORDINATE ALL WORK WITH UTILITY COMPANY REPRESENTATIVES.
12. THE CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED GRADING ELEMENTS BEFORE THE START OF CONSTRUCTION AND SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES.
13. UNLESS EXPLICITLY STATED OTHERWISE HEREIN, THE EARTHWORK QUANTITIES SHOWN ON THESE PLANS ARE APPROXIMATE IN PLACE VOLUMES CALCULATED FROM THE EXISTING GROUND TO THE PROPOSED FINISHED GRADE. EXISTING GROUND IS DEFINED BY THE CONTOURS AND SPOT GRADES ON THE BASE SURVEY. PROPOSED FINISHED GRADE IS DEFINED AS THE FINAL GRADE AS INDICATED ON THE GRADING PLAN(S) AS FINISHED GROUND, FINISHED SURFACE, AND FINISHED FLOOR ELEVATIONS. NO REPRESENTATIONS OF SUCH QUANTITIES OR A BALANCED SITE CONDITION ARE MADE BY THE ENGINEER OF RECORD. THE EARTHWORK QUANTITIES SHOWN ON THESE PLANS ARE FOR PERMITTING PURPOSES ONLY. UNLESS EXPLICITLY STATED OTHERWISE HEREIN, THEY HAVE NOT BEEN FACTORED TO ACCOUNT FOR CHANGES IN VOLUME DUE TO BULKING, CLEARING AND GRUBBING, SHRINKAGE, SUBSIDENCE, OVER-EXCAVATION AND RE-COMPACTION, AND CONSTRUCTION METHODS. NOR DO THEY ACCOUNT FOR THE THICKNESS OF PAVEMENT SECTIONS, STORMWATER QUALITY MEDIA SECTIONS, UTILITY PIPES, TRENCHING AND BEDDING MATERIALS, BUILDING OR WALL FOOTINGS, BUILDING SLABS THICKNESSES AND UNDERLYING BASE OR SAND LAYERS, REUSE OF PULVERIZED MATERIALS THAT WILL UNDERLIE PAVEMENTS, ETC. THE CONTRACTOR IS NOT AUTHORIZED TO USE THE ESTIMATES HEREIN FOR BIDDING AND CONSTRUCTION PURPOSES WITHOUT THE EXPLICIT WRITTEN PERMISSION OF THE ENGINEER OF RECORD.
14. PROPOSED BUILDING PAD ELEVATIONS, IF SHOWN, ARE BASED ON INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. CONTRACTOR SHALL CONFIRM SLAB STRUCTURAL SECTION THICKNESSES AND PAD PREPARATION REQUIREMENTS PRIOR TO GRADING FINISHED PADS.
15. THE CONTRACTOR SHALL THOROUGHLY CHECK COORDINATION OF CIVIL, LANDSCAPE, MEP, ARCHITECTURAL AND ALL OTHER PLANS PRIOR TO COMMENCING CONSTRUCTION. SHOULD DISCREPANCIES OR CONFLICTING INFORMATION BE FOUND ON ANY PLANS, OR IN ANY SPECIFICATIONS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND DESIGN ENGINEER IN WRITING BEFORE PROCEEDING WITH THE WORK IN QUESTION.
16. THE PROPOSED BUILDING FOOTPRINT(S) AND OTHER STRUCTURE FOOTPRINTS SHOWN IN THESE PLANS WERE PROVIDED TO THE DESIGN ENGINEER BY THE PROJECT ARCHITECT AT THE TIME OF PREPARATION OF THESE PLANS. THE DESIGN ENGINEER MAKES NO REPRESENTATION AS TO THE ACCURACY OF THESE FOOTPRINTS AND THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONFIRMING WITH THE RELEVANT DESIGN TEAM PROFESSIONALS, AND USING THE FINAL, CORRECT VERSION OF THE FOOTPRINTS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONFIRMING THE STRUCTURE'S FINAL POSITION ON THE SITE BASED UPON THE FINAL ARCHITECTURAL FOOTPRINT, CIVIL PLANS, SURVEY AND ANY OTHER RELEVANT DOCUMENTS. ANY DIFFERENCES FOUND SHALL BE IMMEDIATELY REPORTED TO THE DESIGN ENGINEER AND OWNER/PROJECT ARCHITECT.
17. THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO PROTECT THE PROJECT PROPERTY FROM ANY EROSION AND SILTATION THAT RESULT FROM CONTRACTOR OPERATIONS, BY APPROPRIATE MEANS, OR BY SPECIFIC MEANS DESCRIBED IN THE PROJECT'S PLANS, SPECIFICATIONS OR STORM WATER POLLUTION PREVENTION REPORT, UNTIL SUCH TIME THAT THE PROJECT IS COMPLETED AND ACCEPTED FOR MAINTENANCE BY WHOMEVER IS TO BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND THE AGENCY HAVING JURISDICTION. THE DESIGN ENGINEER SHALL HAVE NO RESPONSIBILITY TO DIRECT THE CONTRACTOR REGARDING THE MEANS AND METHODS OF STORMWATER POLLUTION PREVENTION, SEQUENCE, OR SCHEDULE.
18. ALL SHOP DRAWINGS, RFIS AND ANY OTHER DOCUMENTS THAT REQUIRE DESIGN ENGINEER REVIEW SHALL BE SUBMITTED BY THE CONTRACTOR SUFFICIENTLY IN ADVANCE OF CONSTRUCTION OF THAT ITEM, TO ALLOW ADEQUATE REVIEW, COORDINATION AND RESPONSE. SAID DOCUMENTS ARE NOT A DIRECTION FROM THE DESIGN ENGINEER TO MODIFY THE CONTRACTORS SCOPE, SCHEDULE OR PRICE, AND THE CONTRACTOR WARRANTS NOT TO USE THEM AS SUCH.
19. THE CONTRACTOR SHALL ENSURE APPROPRIATE LICENSED PROFESSIONALS HAVE BEEN RETAINED BY THE CONTRACTOR TO PROVIDE ANY/ALL REQUIRED PROJECT CERTIFICATIONS AS MAY BE REQUIRED BY ANY AUTHORITY HAVING JURISDICTION. THE DESIGN ENGINEER WILL NOT PROVIDE ANY PROJECT CERTIFICATIONS UNLESS SPECIFICALLY RETAINED BY THE OWNER TO PROVIDE LIMITED SERVICES.
20. CONTRACTOR SHALL RETAIN A LICENSED SURVEYOR TO DOCUMENT ALL CHANGES TO THE APPROVED CONSTRUCTION DOCUMENTS DURING CONSTRUCTION. THE LICENSED SURVEYOR SHALL PREPARE A SIGNED AND SEALED 'AS-BUILT' DRAWING UPON COMPLETION OF CONSTRUCTION. THE DESIGN ENGINEER IS NOT RESPONSIBLE FOR THE PREPARATION IN WHOLE OR IN PART OF THE 'AS-BUILT' DRAWINGS.
21. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MONUMENTATION AND BENCHMARKS WHICH WILL BE DISTURBED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED BY THE LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AS REQUIRED BY THE MOST CURRENT VERSION OF THE LAND SURVEYORS ACT.

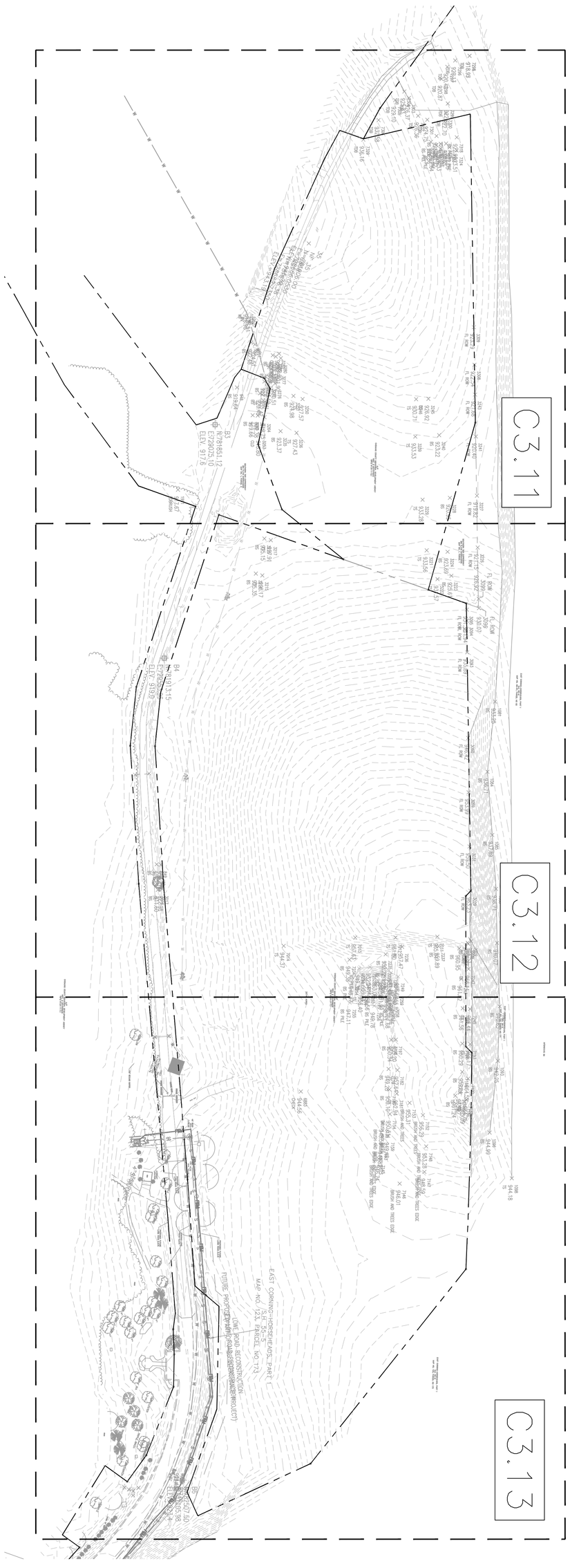
EROSION CONTROL NOTES

1. THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THIS EROSION CONTROL PLAN, THE STANDARD DETAILS, THE PLAN NARRATIVE, ATTACHMENTS INCLUDED IN SPECIFICATIONS OF THE SWPPP, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
2. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF NEW YORK NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
4. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER.
5. EROSION CONTROL PLAN MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
6. THE CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
7. CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
8. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
9. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
11. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
12. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
13. STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY CEASED.
14. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE STABILIZED. THESE AREAS SHALL BE STABILIZED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRED IN THESE AREAS.
15. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
16. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
18. ON-SITE & OFF SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE EROSION CONTROL PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
19. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
20. DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION.
21. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY, THIS INCLUDES BACK FILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.

WATER AND SEWER UTILITY NOTES

1. THE CONTRACTOR SHALL CONSTRUCT GRAVITY SEWER LATERALS, CLEANOUTS, GRAVITY SEWER LINES, AND DOMESTIC WATER AND FIRE PROTECTION SYSTEM AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS, EQUIPMENT, MACHINERY, TOOLS, MEANS OF TRANSPORTATION AND LABOR NECESSARY TO COMPLETE THE WORK IN FULL AND COMPLETE ACCORDANCE WITH THE SHOWN, DESCRIBED AND REASONABLY INTENDED REQUIREMENTS OF THE CONTRACT DOCUMENTS AND JURISDICTIONAL AGENCY REQUIREMENTS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
2. ALL EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS FOR UTILITY LOCATION AND COORDINATION IN ACCORDANCE WITH THE NOTES CONTAINED IN THE GENERAL CONSTRUCTION SECTION OF THIS SHEET. THE CONTRACTOR SHALL ALSO SCOPE THE SEWER LINES ON SITE AND RECORD A DVD.
3. THE CONTRACTOR SHALL RESTORE ALL DISTURBED VEGETATION IN KIND, UNLESS SHOWN OTHERWISE.
4. DEFLECTION OF PIPE JOINTS AND CURVATURE OF PIPE SHALL NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS. SECURELY CLOSE ALL OPEN ENDS OF PIPE AND FITTINGS WITH A WATERTIGHT PLUG WHEN WORK IS NOT IN PROGRESS. THE INTERIOR OF ALL PIPES SHALL BE CLEAN AND JOINT SURFACES WIPED CLEAN AND DRY AFTER THE PIPE HAS BEEN LOWERED INTO THE TRENCH. VALVES SHALL BE PLUMB AND LOCATED ACCORDING TO THE PLANS.
5. ALL PHASES OF INSTALLATION, INCLUDING UNLOADING, TRENCHING, LAYING AND BACK FILLING, SHALL BE DONE IN A FIRST CLASS WORKMANLIKE MANNER. ALL PIPE AND FITTINGS SHALL BE CAREFULLY STORED FOLLOWING MANUFACTURER'S RECOMMENDATIONS. CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE COATING OR LINING IN ANY D.I. PIPE FITTINGS. ANY PIPE OR FITTING WHICH IS DAMAGED OR WHICH HAS FLAWS OR IMPERFECTIONS WHICH, IN THE OPINION OF THE ENGINEER OR OWNER, RENDERS IT UNFIT FOR USE, SHALL NOT BE USED. ANY PIPE NOT SATIS

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SHEET NUMBER
C3.1

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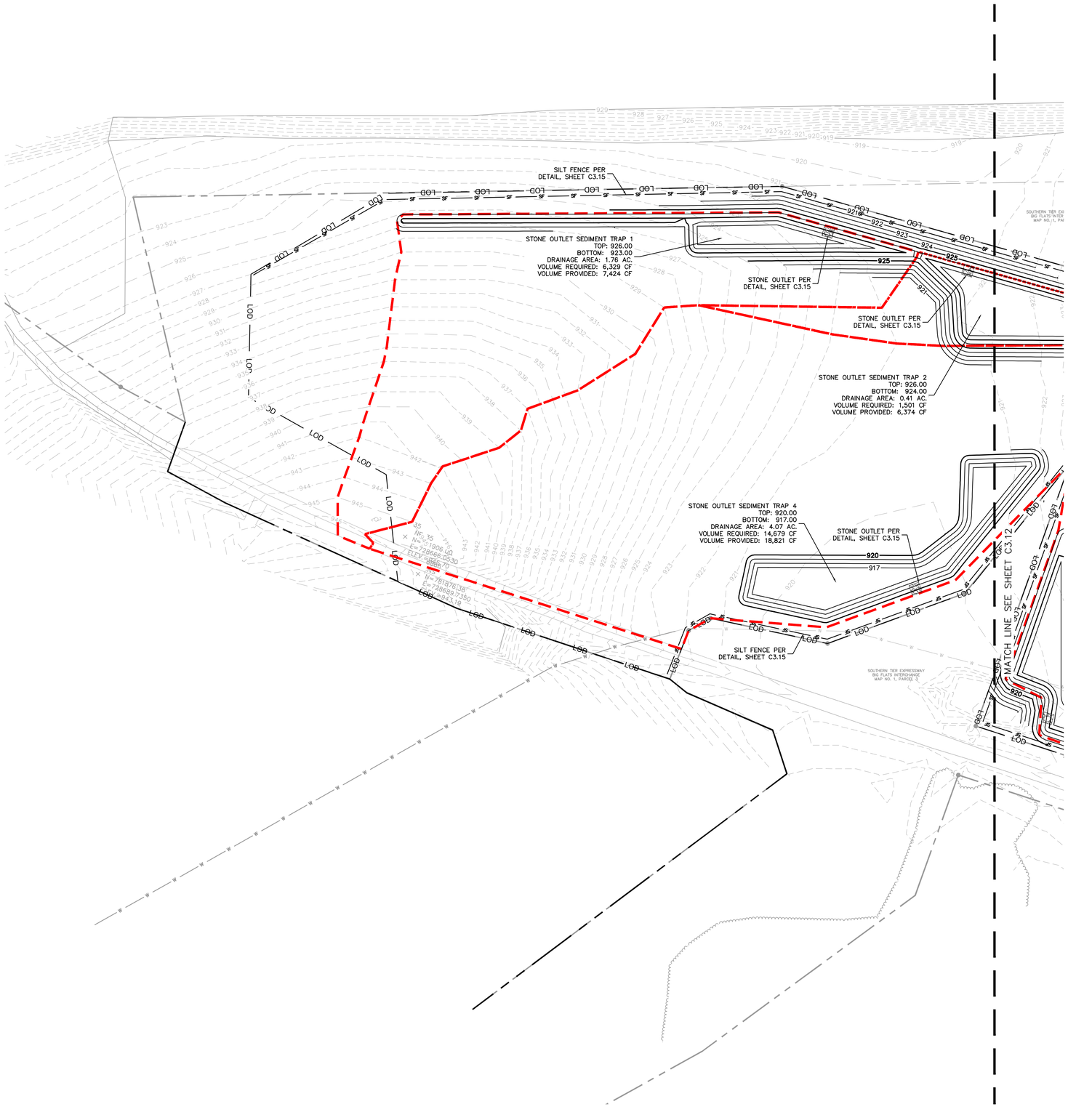
PHASE 1 OVERALL EROSION SEDIMENT CONTROL PLAN

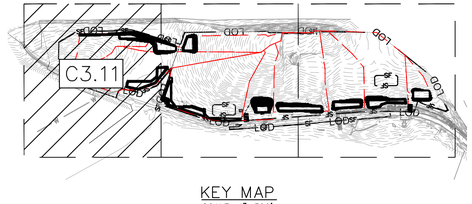
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DATE	1/15/2026
SCALE	AS SHOWN
DESIGNED BY	JDB
DRAWN BY	JDB
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KEY MAP
SCALE: 1"=500'

NORTH

GRAPHIC SCALE IN FEET
0 ## ## ###

LEGEND:

- PROPERTY LINE
- 925 EXISTING CONTOUR
- 925 PROPOSED CONTOUR
- LOD LIMITS OF DISTURBANCE
- SF SILT FENCE PER DETAIL, SHEET C3.15
- DRAINAGE AREA LIMITS
- STABILIZED CONSTRUCTION ENTRANCE PER DETAIL, SHEET C3.15

GENERAL NOTES
1. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER SITE FEAUTURES ARE SHOWN BASED ON THE INFORMATION PROVIDED BY THE TOPOGRAPHIC SURVEY PROVIDED BY FAGAN ENGINEERS & LAND SURVEYORS PC DATED OCTOBER 1, 2025.
2. SILT FENCE TO BE PLACED ON PROPERTY LINE. SHOWN DIFFERENTLY ON PLANS FOR CLARITY ONLY.

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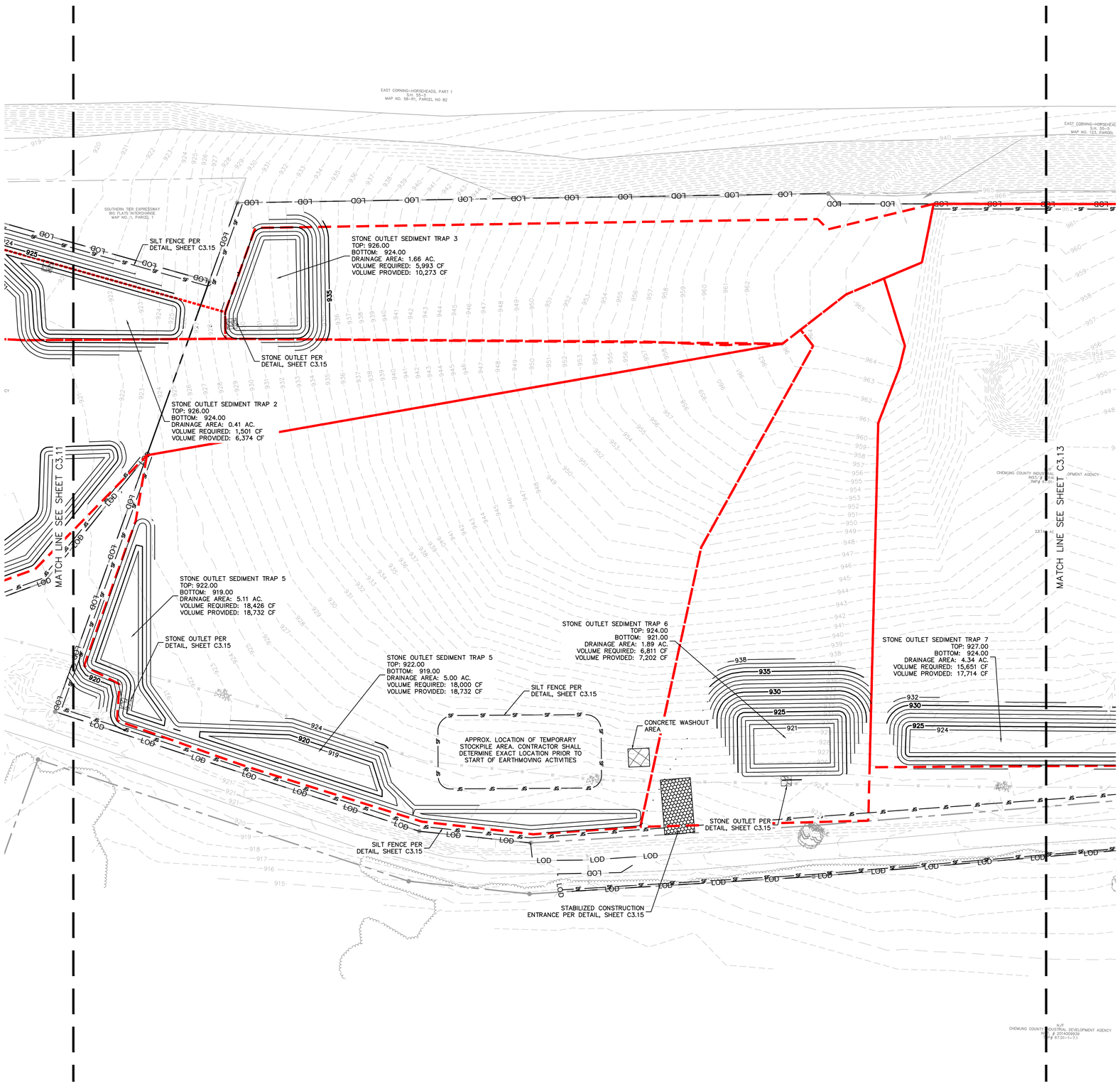
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PHASE 1 EROSION SEDIMENT CONTROL PLAN

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SHEET NUMBER
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NORTH

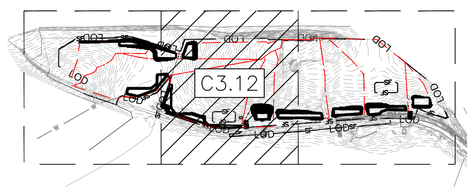
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KEY MAP
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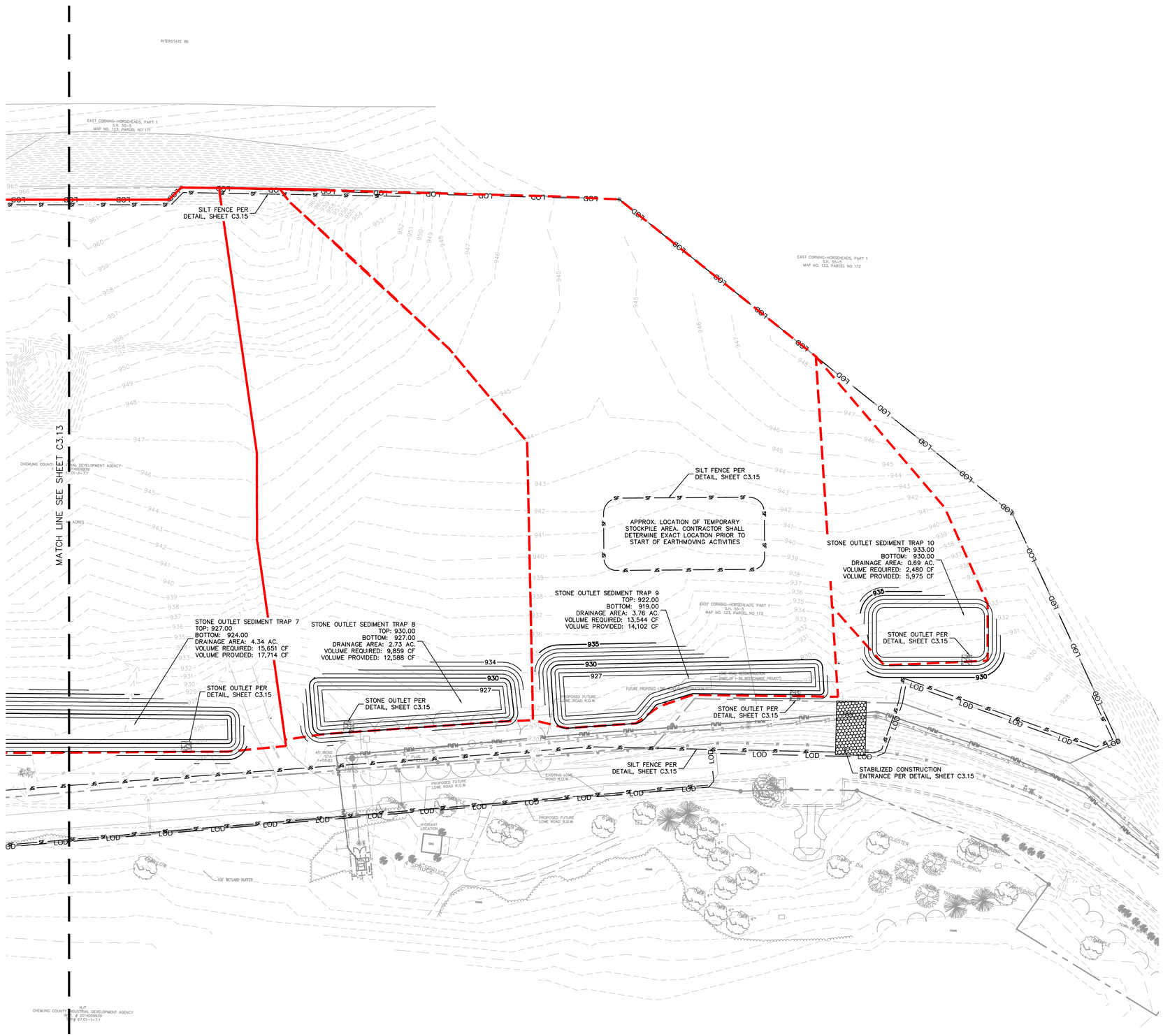
PHASE 1 EROSION SEDIMENT CONTROL PLAN

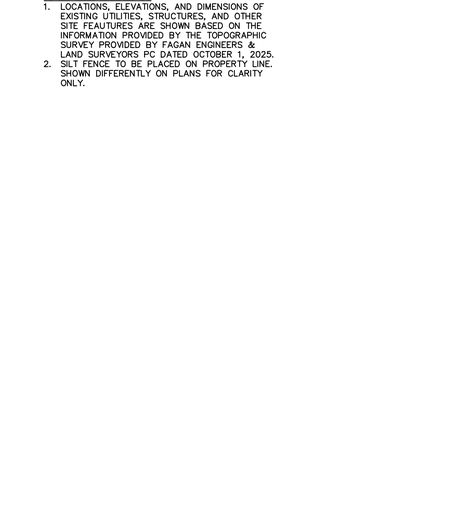
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KEY MAP
SCALE: 1"=500'

GRAPHIC SCALE IN FEET
0 25 50 100

NORTH

LEGEND:

- PROPERTY LINE
- 925 EXISTING CONTOUR
- 925 PROPOSED CONTOUR
- LOD LIMITS OF DISTURBANCE
- SF SILT FENCE PER DETAIL, SHEET C3.15
- DRAINAGE AREA LIMITS
- STABILIZED CONSTRUCTION ENTRANCE PER DETAIL, SHEET C3.15

GENERAL NOTES

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PHASE 1 EROSION SEDIMENT CONTROL PLAN

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SHEET NUMBER
C3.13

EROSION AND SEDIMENT CONTROL NOTES

GENERAL NOTES

A. ALL E&SC MEASURES SHALL BE INSTALLED AND MAINTAINED PER NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, LATEST EDITION.

B. THE OWNER/APPLICANT MUST ENSURE THAT TEMPORARY AND PERMANENT SOIL EROSION AND SEDIMENT CONTROL FEATURES ARE DESIGNED, INSTALLED AND MAINTAINED FOR THE DURATION OF THE PROJECT, IN ORDER TO PREVENT SOIL DISTURBANCES FROM CONSTRUCTION OPERATIONS FROM HAVING A NEGATIVE OR ADVERSE EFFECT TO ADJACENT PROPERTIES.

C. ANY IMPORTED TOPSOIL SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS FOR QUALITY AND USE.

D. TEMPORARY SEDIMENT TRAPPING E&S CONTROLS ARE NOT TO BE REMOVED UNTIL PERMANENT STABILIZATION (80% UNIFORM DENSITY OF PERMANENT VEGETATION OR PERMANENT MULCH/STONE) IS ESTABLISHED IN ALL CONTRIBUTORY DRAINAGE AREAS PER THE LATEST EDITION OF THE NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, OR LATEST REVISION THERETO.

E. THE MEASURES FOR THE EROSION AND SEDIMENTATION CONTROL ARE UNDERTAKEN CONSISTENT WITH THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION "GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL," AS AMENDED, OR ITS EQUIVALENT SATISFACTORY TO THE PLANNING BOARD."

DESCRIPTION OF WORK

A. PROVIDE MEANS NECESSARY TO INSTALL, INSPECT AND MAINTAIN, AND REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO MINIMIZE THE EROSION AND UNSPECIFIED TRANSPORT OF SOIL FROM THE SITE.

QUALITY ASSURANCE

A. GENERAL

1. INSTALL AND MAINTAIN IN COMPLIANCE WITH THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES. RETAIN A COPY OF THE PROJECT'S NOTICE OF INTENT (NOI); A BRIEF DESCRIPTION OF THE PROJECT, POST IN A PROMINENT PLACE FOR PUBLIC VIEWING; ANN A COPY OF THE PROJECT'S STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AT THE CONSTRUCTION SITE FROM TE DATE OF INITIATION OF CONSTRUCTION ACTIVITIES TO THE DATE OF NOTICE IF TERMINATION (NOT) SUBMISSION.

2. INSTALL ALL EROSION AND SEDIMENT MEASURES IN ACCORDANCE WITH THE DRAWINGS OR NEW YORK SATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, LATEST EDITION.

3. GRADE AND MAINTAIN SITE AT ALL TIMES SUCH THAT ALL STORMWATER RUNOFF FROM DISTURBED AREAS IS DIVERTED TO SOIL EROSION AND SEDIMENTATION CONTROL FACILITIES.

4. NO CHANGES TO THE SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE MADE WITHOUT APPROVAL OF THE OWNER'S REPRESENTATIVE.

5. NO MORE THAN 5 ACRES OF SOIL CAN BE DISTURBED AT ANY TIME WITHOUT A 5-ACRE WAIVER ISSUED BY TOWN OF PAMELIA. ALL DISTURBED AREAS SHALL BE PROTECTED BY EROSION AND SEDIMENT CONTROL MEASURES.

6. THE CONTRACTOR SHALL COMPLY WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS RELATING TO THE PREVENTION AND ABATEMENT OF POLLUTION.

B. PRODUCT DATA

1. SUBMIT MANUFACTURER'S CATALOGUE CUTS, SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR EROSION CONTROL MEASURE SUCH AS SILT FENCES, FILTER FABRICS, EROSION CONTROL BLANKETS TO THE DESIGN ENGINEER FOR REVIEW AND ACCEPTANCE.

WORK SCHEDULE

A. PRE-CONSTRUCTION PHASE

1. INSTALL STABILIZED CONSTRUCTION ENTRANCES.

2. PRIOR TO EARTHWORK OPERATIONS OR THE IMPORTATION OF FILL MATERIAL, INSTALL PERIMETER SILT FENCE AND STABILIZED CONSTRUCTION ENTRANCES.

3. PROTECT EXISTING PIPING TO REMAIN IN PLANE MAINTAINING ELEVATIONS.

4. GRADE OUT TO LOW POINTS AND INSTALL AND MAINTAIN TEMPORARY DEWATERING SYSTEMS AS REQUIRED.

5. CONVERT EXISTING OPEN GRATES ON STORM DRAIN STRUCTURES SHOWN TO REMAIN.

B. CONSTRUCTION PHASE

1. PROVIDE NECESSARY MEANS TO INSPECT AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES AS REQUIRED TO MINIMIZE THE EROSION AND UNSPECIFIED TRANSPORT OF SOIL AND SEDIMENT UNTIL THEIR REMOVAL AS SPECIFIED. INSPECT MEASURES DAILY AND WITHIN 24 HOURS OF THE END OF A MAJOR STORM EVENT. STABILIZED AREAS WILL BE INSPECTED MONTHLY UNTIL THE ENTIRE SITE IS STABILIZED. MAINTENANCE SHOULD COMMENCE WITHIN 24 HOURS AND BE COMPLETED WITHIN 5 DAY CALENDAR DAYS OF DETERMINING ITS NEED.

2. PROVIDE NECESSARY DUST CONTROL WITH WATER AND/OR WIND BARRIERS TO MINIMIZE FUGITIVE DUST.

3. KEEP PAVED SURFACES SWEPT CLEAN AT ALL TIMES.

4. TEMPORARILY STABILIZE AS SPECIFIED AND AS REQUIRED ALL INACTIVE AREAS TO REDUCE DISTURBED AREAS.

5. FOLLOW FINISH GRADING, INSTALL TEMPORARY OR PERMANENT STABILIZATION.

6. IMMEDIATELY FOLLOWING THE INSTALLATION OF CATCH BASIN INLETS, INSTALL INLET PROTECTION.

C. POST-CONSTRUCTION PHASE

1. STABILIZE WATERSHED AND HAVE OWNER'S REPRESENTATIVE REVIEW AND ACCEPT.

2. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE TO REMAIN IN PLACE PENDING THE START OF PERMANENT CONSTRUCTION ON-SITE OR AS OTHERWISE DIRECTED BY EITHER THE OWNER'S REPRESENTATIVE AND TOWN ENGINEER.

PRODUCTS AND EXECUTION

A. NO PUMPING OR DEWATERING INTO THE EXISTING STORMWATER SEWER MAIN WITHOUT PRE-FILTERING AS APPROVED BY TOWN ENGINEER.

B. SILT FENCE: SILT FENCE FABRIC SHALL BE MIRAFI 100X OR APPROVED EQUAL. WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD, A MINIMUM 36 INCHES LONG AND TWO INCHES SQUARE. METAL POSTS SHALL BE STANDARD T AND U SECTION WEIGHING NOT LESS THAN ONE POND PER LINEAR FOOT. WIRE FENCE BACKING SHALL BE A MINIMUM 14.5 GAUGE WITH A MAXIMUM SIX INCH MESH OPENING AND SECURELY ATTACHED TO FENCE POSTS.

C. COIR LOGS: WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD, A MINIMUM 36 INCHES LONG AND TWO INCHES SQUARE. METAL POSTS SHALL BE STANDARD T AND U SECTION WEIGHING NOT LESS THAN ONE POND PER LINEAR FOOT. THERE SHALL BE A MINIMUM OF THREE POSTS FOR EACH LOG LENGTH AND SHALL EXTEND A MINIMUM OF 12 INCHES INTO THE GROUND. THE CONTRACTOR SHALL REMOVE SEDIMENT DEPOSITS WHEN DEPOSITS REACHES HALF THE HEIGHT OF THE COIR LOG.

D. EROSION CONTROL BLANKETS: EROSION CONTROL BLANKETS SHALL BE ESC-2 BY EAST COAST, OR APPROVED EQUAL.

E. STABILIZED CONSTRUCTION ENTRANCE: THE FILTER FABRIC SHALL BE MIRAFI 600X OR APPROVED EQUAL. THE CONTRACTOR SHALL KEEP THE ROADWAYS WITHIN THE PROJECT CLEAR OF SOIL AND DEBRIS AND IS RESPONSIBLE FOR ANY STREET CLEANING NECESSARY DURING THE COURSE OF THE PROJECT.

F. TEMPORARY STABILIZATION:

1. ESTABLISHMENT OF TEMPORARY GRASS COVER: PREPARE SEED BED, SCARIFY IF COMPACTED, REMOVE DEBRIS AND OBSTACLES SUCH AS ROCKS ANDS TUMPS, AND SEED WITH 24 HOURS. AMEND SOIL, LIME SOIL TO pH OF 6.0 AND FERTILIZE AT A RATE OF 14 LBS. PER 1,000 SF WITH A 5-10-10 OR EQUIVALENT FERTILIZER. WORK AMENDMENTS A MINIMUM OF 4 INCHES INTO SOIL. IF SEEDING IN OCTOBER/NOVEMBER, SEED SHALL BE CERTIFIED ARCOSTOOK WINTER RYE AT 100 LBS. PER ACRE, OTHERWISE SEED SHALL BE RYEGRASS (ANNUAL OR PERENNIAL) AT 30 LBS. PER ACRE.

2. TREAT ALL DISTURBED AREAS WITHIN 500 FEET OF AN INHABITED BUILDING AS NECESSARY TO PROVIDE DUST CONTROL. CONFORM TO ALL STATE AND LOCAL REGULATIONS GOVERNING THESE ACTIVITIES.

G. CONSTRUCTION VEHICLES: WASH DOWN ALL CONSTRUCTION VEHICLES AND COVER WITH TARPAULINS AS NECESSARY TO PREVENT VEHICLE TRANSPORT OF SEDIMENTS OFF-SITE.

H. PROVIDE MEASURES FOR TRUCK AND TOOL WASH WATER TO BE TREATED PRIOR TO DISCHARGE TO NATURAL AREAS.

I. NO UNFILTERED DISCHARGE FROM ANY UNSTABILIZED AREAS SHALL BE ALLOWED TO ENTER ANY PERMANENT DRAINAGE OR FILTRATION FACILITIES.

DUST CONTROL

A. CONSTRUCTION OPERATIONS SHOULD BE SCHEDULED TO MINIMIZE THE AMOUNT OF AREA DISTURBED AT ONE TIME.

B. BUFFER AREAS OF VEGETATION SHOULD BE LEFT WHERE PRACTICAL.

C. TEMPORARY OR PERMANENT STABILIZATION MEASURES SHALL BE INSTALLED.

D. NON-DRIVING AREAS: THESE AREAS USE PRODUCTS AND MATERIALS APPLIED OR PLACED ON SOIL SURFACES TO PREVENT AIRBORNE MIGRATION OF SOIL PARTICLES.

1. VEGETATIVE COVER: FOR DISTURBED AREAS NOT SUBJECT TO TRAFFIC, VEGETATION PROVIDES THE MOST PRACTICAL METHOD OF DUST CONTROL.

2. MULCH OFFERS A FAST EFFECTIVE MEANS OF CONTROLLING DUST. THIS CAN ALSO INCLUDE ROLLED EROSION CONTROL BLANKETS.

E. DRIVING AREAS: THESE AREAS UTILIZE WATER AND BARRIERS TO PREVENT DUST MOVEMENT FROM THE TRAFFIC SURFACES INTO THE AIR.

1. SPRINKLING: THE SITE MAY BE SPRAYED WITH WATER UNTIL THE SURFACE IS WET. THIS IS ESPECIALLY EFFECTIVE ON HAUL ROADS AND ACCESS ROUTES.

2. BARRIERS: WOVEN GEOTEXTILES CAN BE PLACED ON THE DRIVING SURFACE TO EFFECTIVELY REDUCE DUST THROW AND PARTICLE MIGRATION ON HAUL ROADS. STONE CAL ALSO BE USED FOR CONSTRUCTION ROADS FOR EFFECTIVE DUST CONTROL.

3. WIND BREAK: A SILT FENCE OR SIMILIAR BARRIER CAN CONTROL AIR CURRENT AT INTERVALS EQUAL TO TEN TIMES THE BARRIER HEIGHT. PRESERVE EXISTING WIND BARRIER VEGETATION AS MUCH AS PRACTICAL.

F. MAINTENANCE: MAINTAIN DUST CONTROL MEASURES THROUGH DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS

CONSTRUCTION SEQUENCE

1.	MOBILIZATION	1 WEEK
2.	CLEARING AND GRUBBING	2 WEEKS
3.	INSTALL STABILIZED CONSTRUCTION ENTRANCE, SILT FENCE, AND OTHER EROSION CONTROL MEASURES 3.1. EASTERN BYPASS SWALE TO BE CONSTRUCTED PRIOR TO ROUGH GRADING.	1 WEEK
4.	ROUGH GRADING	2 WEEKS
5.	INSTALL UTILITIES INCLUDING STORM DRAINAGE, SANITARY SEWER, WATER LINES, TELECOM, ELECTRIC AND GAS LINES. INSTALL INLET PROTECTION ON NEW STORM STRUCTURES.	1 MONTH
6.	CONSTRUCT PROPOSED BUILDING, PARKING LOT, BASE PAVEMENT AND CURBING.	6 MONTHS
7.	INSTALL TREES, SHRUBS AND PERMANENT SOIL STABILIZATION MEASURES.	2 WEEKS
8.	REMOVE CONSTRUCTION ENTRANCE ONCE AREAS ARE STABILIZED WITH STONE AND PRIOR TO INSTALLATION OF BASE COURSE.	1 WEEK
9.	INSTALL FINAL PAVEMENT AND STRIPING.	2 WEEKS
10.	REMOVE SILT FENCE, INLET PROTECTION AND ALL TEMPORARY EROSION CONTROL PROTECTION	1 WEEK

NOTE: FUTURE WORK AREA SHALL NOT BE DISTURBED UNTIL AFTER THE INITIAL WORK IS COMPLETED AND STABILIZED

ESTIMATED TOTAL TIME OF CONSTRUCTION: ~11 MONTHS

STORAGE CALCULATIONS

BASED ON THE GUIDELINES OF NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, 3,600 CF OF STORAGE SHALL BE PROVIDED PER ACRE. THE AREA OF ON SITE DISTURBANCE (UNDER THIS DEVELOPMENT) IS APPROXIMATELY 30.67 ACRES. THE SITE DEVELOPMENT AREA WILL REQUIRE 110,736 CF OF STORAGE.

THE PROPOSED STORAGE TO BE PROVIDED BY THE TEMPORARY SEDIMENTS TRAPS IS 132,287 CF. THE PROPOSED STORAGE IS DESIGNED TO MEET THE CRITERIA SPECIFIED BY NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. CONTRACTOR SHALL MINIMIZE SOIL DISTURBANCE THROUGHOUT CONSTRUCTION SUCH THAT CONTAMINATED STORMWATER RUNOFF WILL BE DIMINISHED.

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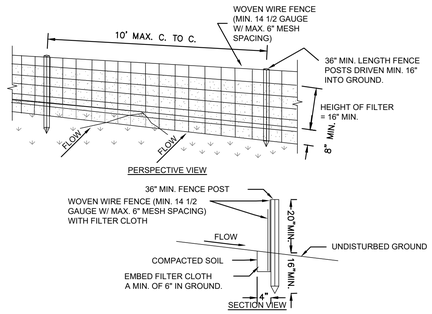
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KHA PROJECT 249633002
DATE 1/15/2026
SCALE AS SHOWN
DESIGNED BY JDB
DRAWN BY JDB
CHECKED BY DL

EROSION CONTROL NOTES

PROJECT MILO
LOWE RD,
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C3.14

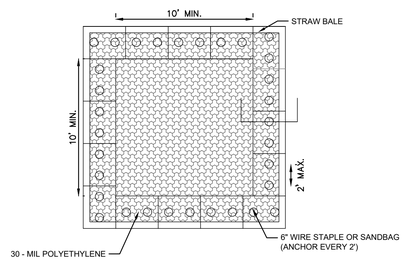


CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE

N.T.S. SOURCE: NYSDEC SESC BLUE BOOK



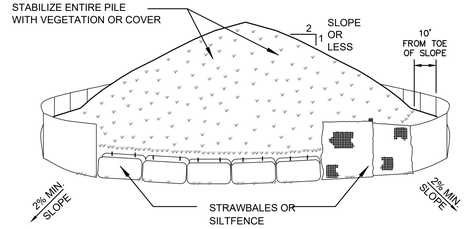
STRAW BALE ANCHOR SECTIONS

CONCRETE WASHOUT AREA

N.T.S. SOURCE: NYSDEC SESC BLUE BOOK

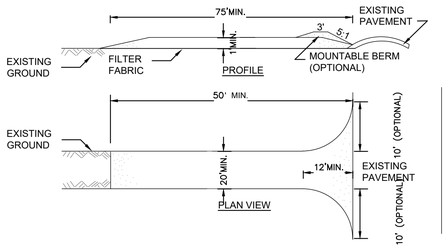
INSTALLATION NOTES:

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2:1.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE SILT FENCE DETAIL ON THIS SHEET
5. TEMPORARILY STABILIZE AS NOTED IN SPECIFICATIONS



SOIL STOCKPILE AREA

N.T.S. SOURCE: KIMLEY-HORN



CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 3" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 75 FEET.
3. THICKNESS - NOT LESS THAN TWELVE (12) INCHES.
4. WIDTH - TWENTY FIVE (20) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CON- STRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE

N.T.S. SOURCE: NYSDEC SESC BLUE BOOK

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Figure 5.19
Design Data for Earth Spillways

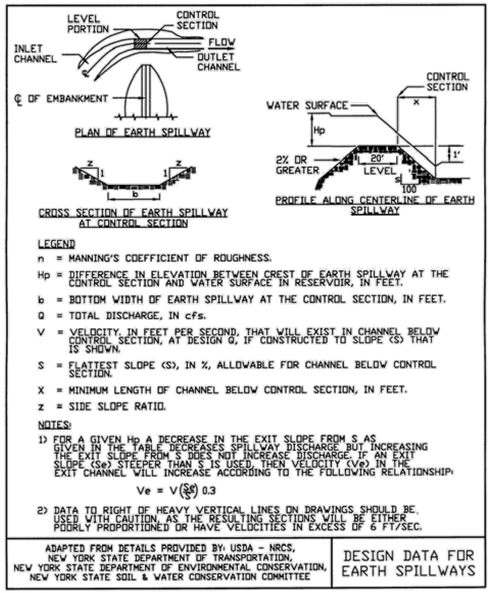
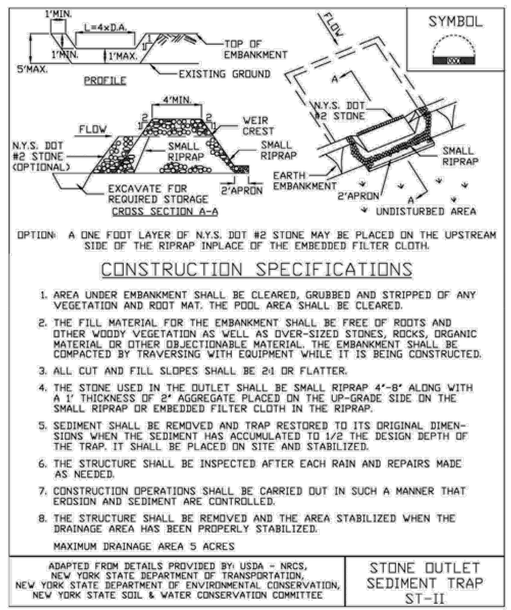


Figure 5.27
Stone Outlet Sediment Trap: ST-II



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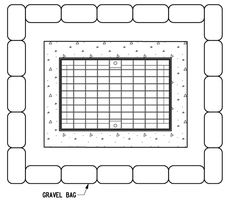
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EROSION CONTROL DETAILS

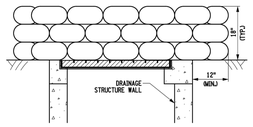
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TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C3.15



PLAN

DRAINAGE STRUCTURE INLET PROTECTION - TEMPORARY
(GRAVEL BAG)



CROSS SECTION

DRAINAGE STRUCTURE INLET PROTECTION - TEMPORARY
(GRAVEL BAG)

APPLICATION NOTES:

A. THE PRIMARY PURPOSE OF DRAINAGE STRUCTURE INLET PROTECTION IS TO PREVENT SEDIMENT FROM ENTERING A DRAINAGE SYSTEM BY TRAPPING WATER, THEREBY ALLOWING SEDIMENT TO FALL OUT OF SUSPENSION.

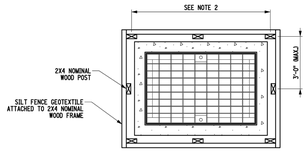
B. GRAVEL BAGS ARE FILLED WITH CLEAN STONE, RATHER THAN SAND, TO PREVENT SEDIMENT FROM ENTERING A DRAINAGE SYSTEM IF BAGS ARE DAMAGED DURING USE.

C. THE TOP OF THE INLET PROTECTION SHALL BE SET TO ALLOW OVERFLOW INTO THE INLET AND NOT BYPASS TO UNPROTECTED RESOURCES.

D. DRAINAGE STRUCTURE INLET PROTECTION - TEMPORARY (SILT FENCE) SHALL NOT BE USED ALONG THE ACTIVE TRAVEL LANE OR SHOULDER.

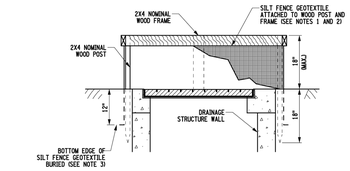
E. DRAINAGE STRUCTURE INLET PROTECTION SHALL NOT BE USED WITHOUT UPSLOPE EROSION CONTROL.

F. MAXIMUM DRAINAGE AREA TO THE PRACTICE SHALL NOT EXCEED ONE ACRE.



PLAN

DRAINAGE STRUCTURE INLET PROTECTION - TEMPORARY
(SILT FENCE)



CROSS SECTION

DRAINAGE STRUCTURE INLET PROTECTION - TEMPORARY
(SILT FENCE)

GENERAL NOTES:

1. APPROVED SILT FENCE GEOTEXTILES 'E737-01, ARE LISTED ON THE DEPARTMENT'S APPROVED LIST. SILT FENCE GEOTEXTILE SHALL BE A SINGLE CONTINUOUS PIECE TO ELIMINATE JOINTS. OVERLAP GEOTEXTILE ENDS TO THE NEXT POST.

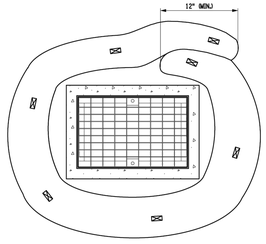
2. SPACE POSTS EVENLY AROUND INLET WITH A MAXIMUM SPACING OF 3'. WIRE MESH MAY BE REQUIRED BEHIND GEOTEXTILE TO PROVIDE SUPPORT. POSTS SHALL BE DRIVEN CLOSE TO THE INLET TO MINIMIZE EXPOSED SOIL BETWEEN THE INLET AND THE PRACTICE. DRIVE POSTS A MINIMUM OF 18" INTO GROUND (SILT FENCE) OR A MINIMUM OF 12" (SEDIMENT FILTER LOG).

3. SILT FENCE GEOTEXTILE SHALL BE EMBEDDED 12" AND BACKFILLED. GEOTEXTILE SHALL BE SECURELY FASTENED TO POSTS AND FRAME.

4. GRAVEL BAGS SHALL BE INDIVIDUALLY TIED, DOUBLE BAGGED AND INVERSELY INSERTED. GRAVEL BAGS SHALL LAP THE JOINTS BETWEEN THE BAGS IN THE LAYER BELOW. GRAVEL BAGS SHALL BE PLACED AS CLOSE AS POSSIBLE TO THE GRATE TO MINIMIZE EXPOSED SOIL BETWEEN THE INLET AND THE PRACTICE.

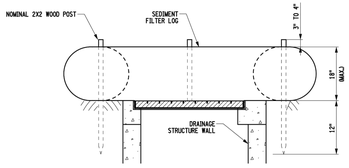
5. SEDIMENT FILTER LOGS SHALL BE SECURED TO THE SOIL SURFACE WITH WOODEN POSTS SPACED A MAXIMUM OF 2' APART. WHEN USED ON A PAVED SURFACE, THE LOG ENDS SHALL BE FASTENED WITH PLASTIC TIES OR IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

6. MEASURES SHALL BE INSPECTED AFTER EVERY RUNOFF EVENT AND REPAIRED AS NECESSARY. SEDIMENT SHALL BE REMOVED WHEN IT REACHES ONE-HALF THE MEASURE HEIGHT (STORAGE CAPACITY). SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIALS.



PLAN

DRAINAGE STRUCTURE INLET PROTECTION - TEMPORARY
(SEDIMENT FILTER LOG)



CROSS SECTION

DRAINAGE STRUCTURE INLET PROTECTION - TEMPORARY
(SEDIMENT FILTER LOG)

NEW YORK STATE OF OPPORTUNITY. **Department of Transportation**

U.S. CUSTOMARY STANDARD SHEET

DRAINAGE STRUCTURE INLET PROTECTION
(SHEET 1 OF 2)

APPROVED JANUARY 26, 2017	ISSUED UNDER EB 17-001
/S/ RICHARD WILDER, P.E. DEPUTY CHIEF ENGINEER DESIGN	209-03

ERRATA 1
ISSUED WITH EB 17-023

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KHA PROJECT
249633002

DATE
1/15/2026

SCALE AS SHOWN

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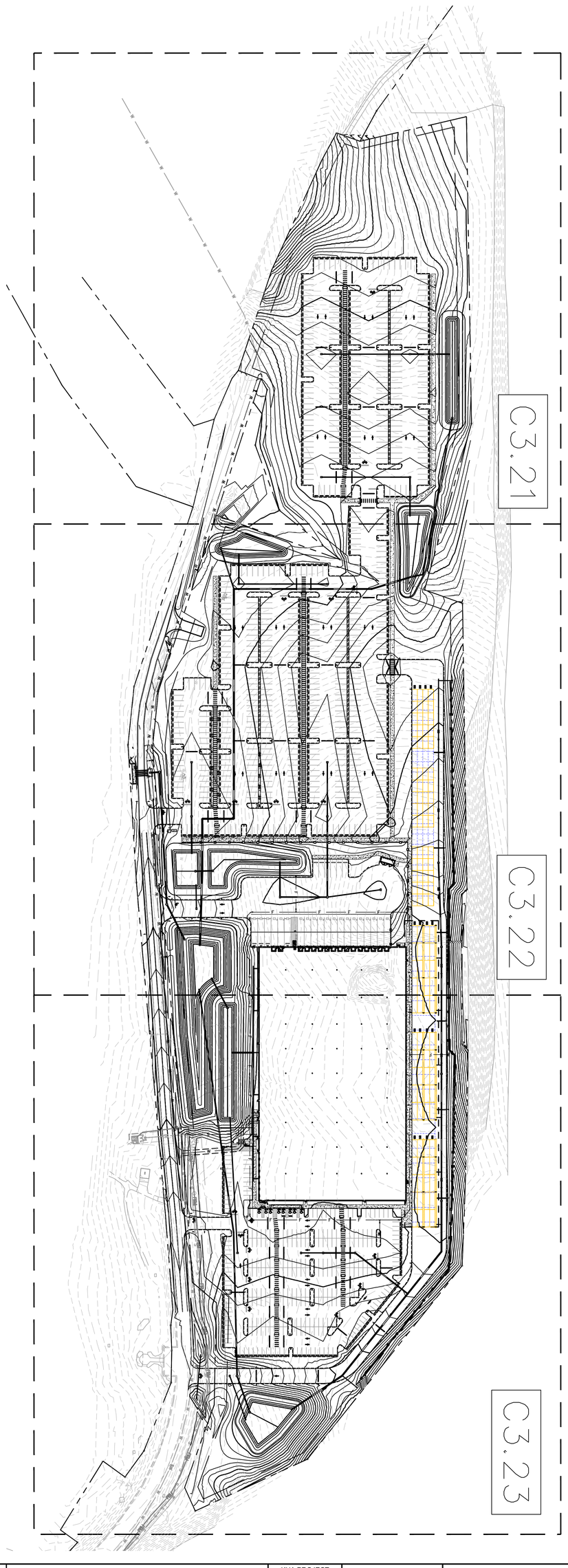
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EROSION CONTROL DETAILS

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NORTH

GRAPHIC SCALE IN FEET
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SHEET NUMBER
C3.2

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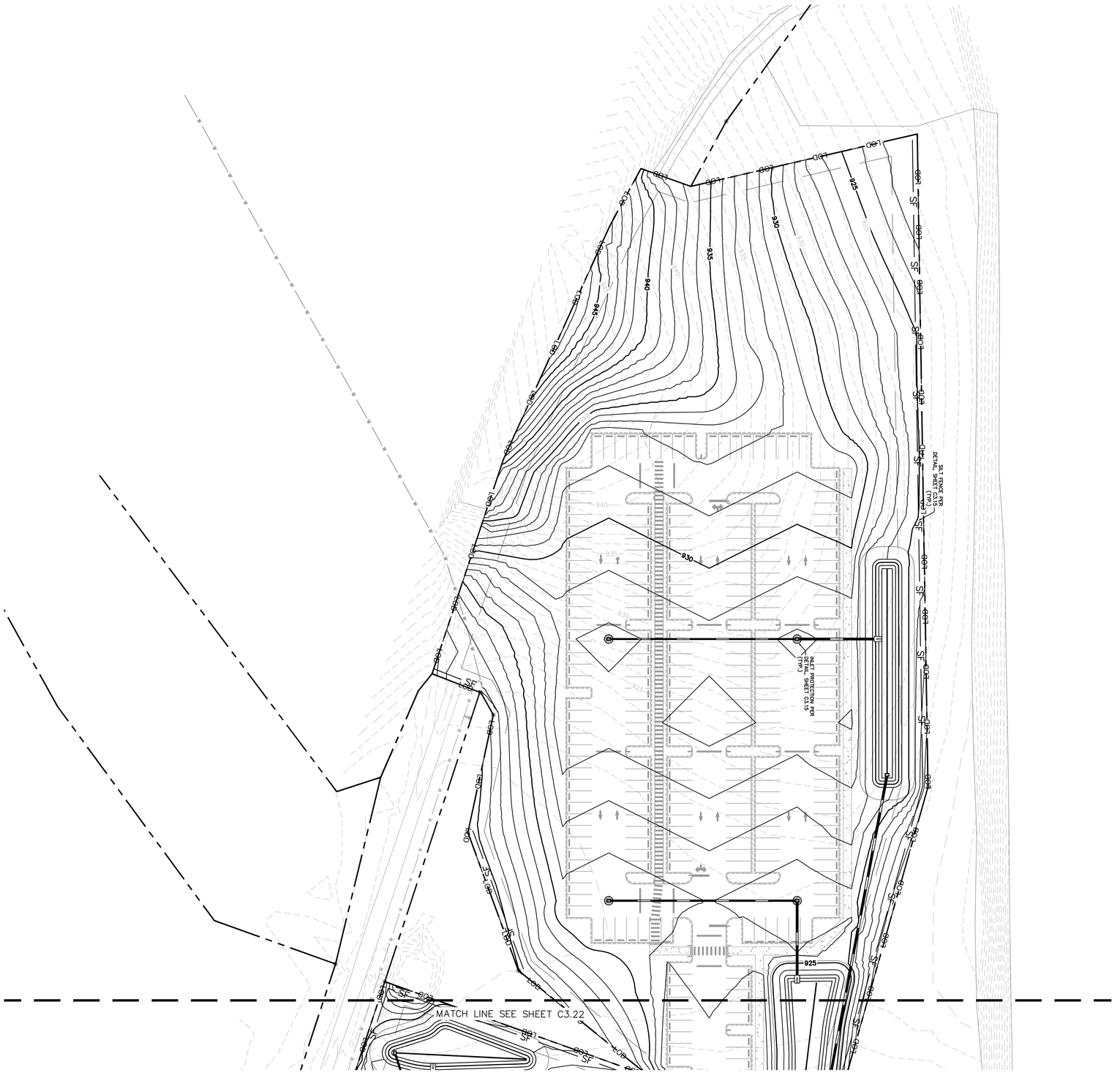
PHASE 2 OVERALL EROSION SEDIMENT CONTROL PLAN

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LEGEND:

PROPERTY LINE

LOD — LIMITS OF DISTURBANCE

SF — SILT FENCE PER DETAIL SHEET C3.15

INLET PROTECTION PER DETAIL SHEET C3.15

GENERAL NOTES:

1. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER SITE FEATURES ARE SHOWN BASED ON THE INFORMATION PROVIDED BY THE TOPOGRAPHIC SURVEY PREPARED BY PASKUS ENGINEERS & LAND SURVEYORS P.C. DATED FEBRUARY 6, 2025.
2. SILT FENCE TO BE PLACED ON PROPERTY LINE. SHOWN DIFFERENTLY ON PLANS FOR CLARITY ONLY.

NORTH

GRAPHIC SCALE IN FEET
0 25 50 100

SHEET NUMBER
C3.21

PROJECT MILO
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PHASE 2 EROSION SEDIMENT CONTROL PLAN

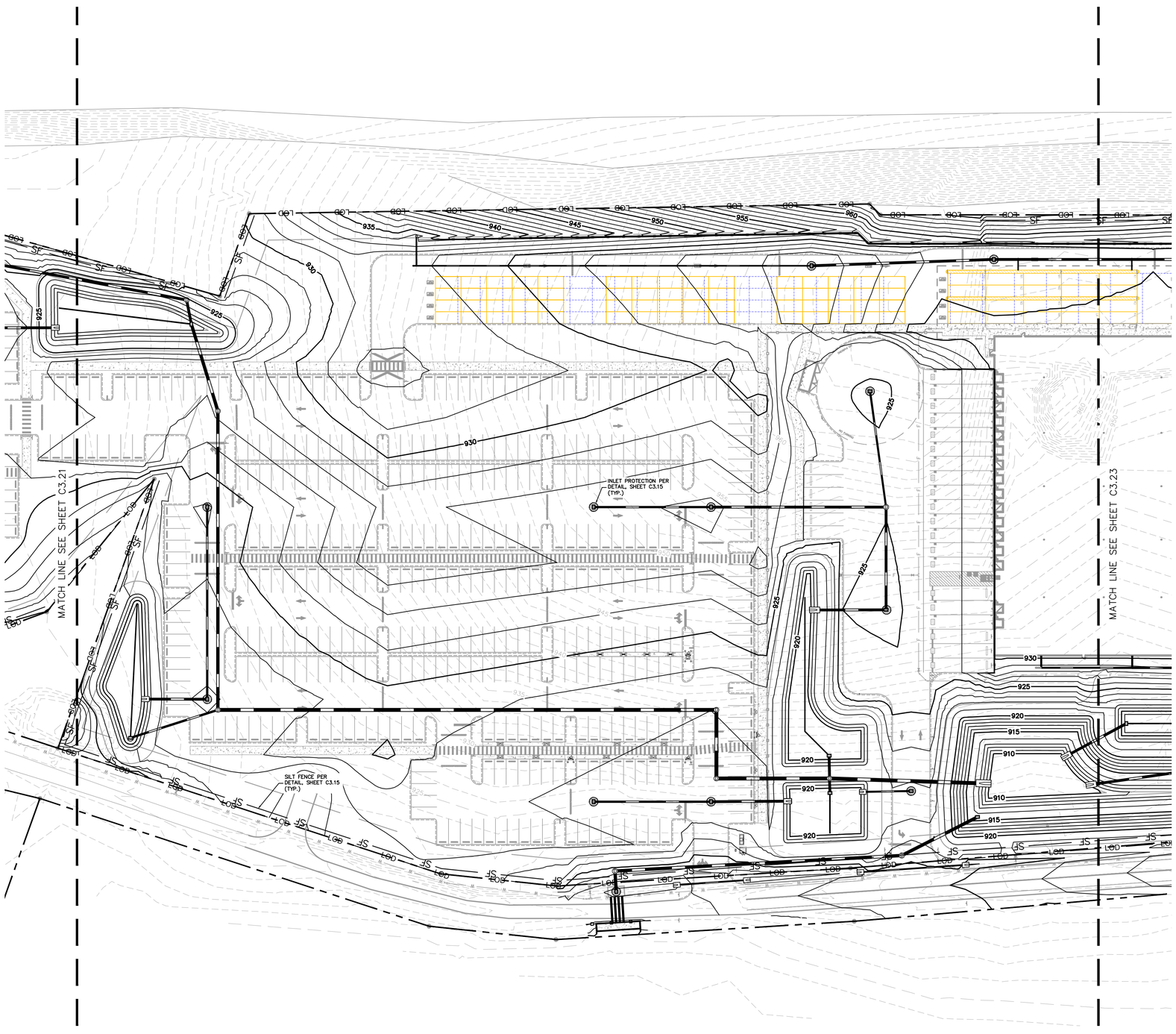
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NORTH

GRAPHIC SCALE IN FEET
0 25 50 100

LEGEND:

- PROPERTY LINE
- LOD — LIMITS OF DISTURBANCE
- SF — SILT FENCE PER DETAIL SHEET C3.15
- INLET PROTECTION PER DETAIL SHEET C3.15

GENERAL NOTES

1. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER SITE FEAULTURES ARE SHOWN BASED ON THE INFORMATION PROVIDED BY THE TOPOGRAPHIC SURVEY PROVIDED BY FAGAN ENGINEERS & LAND SURVEYORS P.C. DATED FEBRUARY 6, 2025.
2. SILT FENCE TO BE PLACED ON PROPERTY LINE. SHOWN DIFFERENTLY ON PLANS FOR CLARITY ONLY.

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KHA PROJECT 249633002
DATE 1/15/2026
SCALE AS SHOWN
DESIGNED BY JDB
DRAWN BY JDB
CHECKED BY DL

PHASE 2 EROSION SEDIMENT CONTROL PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C3.22

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LEGEND:

- PROPERTY LINE
- LOD — LIMITS OF DISTURBANCE
- SF — SILT FENCE PER DETAIL SHEET C3.15
- INLET PROTECTION PER DETAIL SHEET C3.15

GENERAL NOTES:

1. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER SITE FEATURES ARE SHOWN BASED ON THE INFORMATION PROVIDED BY THE TOPOGRAPHIC SURVEY PREPARED BY T.A. LOVING ENGINEERS & LAND SURVEYORS P.C. DATED FEBRUARY 6, 2025.
2. SILT FENCE TO BE PLACED ON PROPERTY LINE. SHOWN DIFFERENTLY ON PLANS FOR CLARITY ONLY.

NORTH

GRAPHIC SCALE IN FEET
0 25 50 100

SHEET NUMBER C3.23	PROJECT MILO LOWE RD. BIG FLATS, NY 14814 TOWN OF BIG FLATS NEW YORK	PHASE 2 EROSION SEDIMENT CONTROL PLAN	KHA PROJECT 249633002 DATE 1/15/2026 SCALE AS SHOWN DESIGNED BY JDB DRAWN BY JDB CHECKED BY DL

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NORTH

GRAPHIC SCALE IN FEET
0 50 100 200

C4.1

C4.2

C4.3

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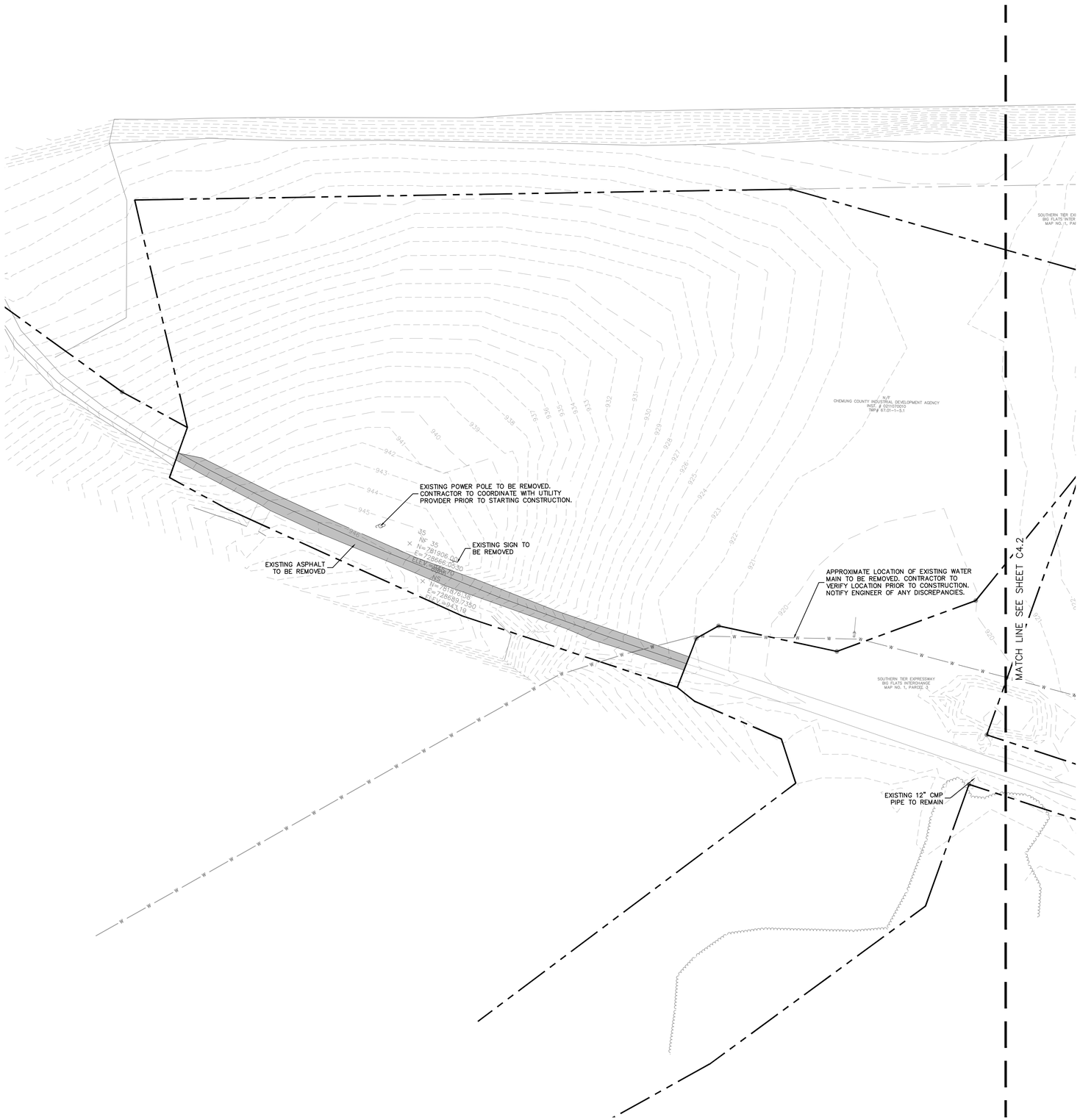
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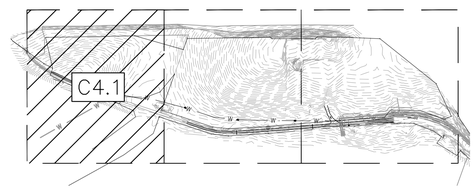
OVERALL DEMOLITION PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C4.0

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KEY MAP
SCALE: 1"=500'

NORTH

GRAPHIC SCALE IN FEET
0 25 50 100

LEGEND:

- PROPERTY LINE
- LOT LINE TO BE ADJUSTED
- EXISTING EASEMENT LINE
- EXISTING FORCE MAIN
- EXISTING SANITARY SEWER MAIN
- EXISTING SANITARY SEWER MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING WATER MAIN
- EXISTING WATER MAIN TO BE REMOVED
- EXISTING ELECTRICAL CONDUIT
- EXISTING CONTOUR
- EXISTING ASPHALT PAVEMENT TO BE REMOVED

GENERAL NOTES

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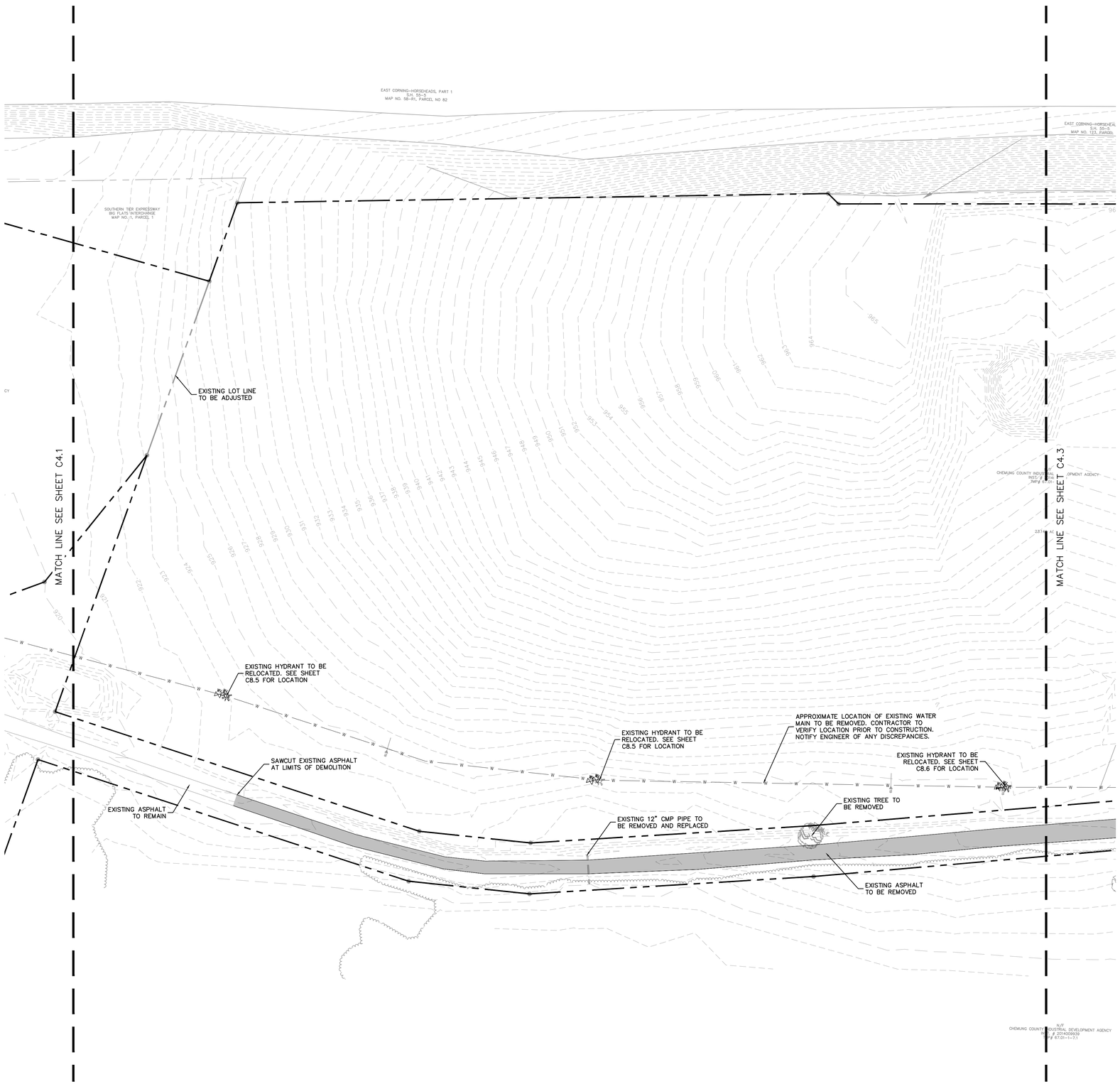
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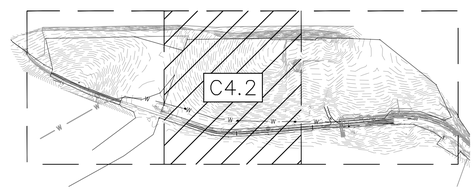
GRAPHIC SCALE IN FEET
0 25 50 100

LEGEND:

- PROPERTY LINE
- LOT LINE TO BE ADJUSTED
- EXISTING EASEMENT LINE
- FM — EXISTING FORCE MAIN
- S — S — EXISTING SANITARY SEWER MAIN
- EXISTING SANITARY SEWER MANHOLE
- EXISTING FIRE HYDRANT
- W — W — EXISTING WATER MAIN
- W — W — EXISTING WATER MAIN TO BE REMOVED
- E — EXISTING ELECTRICAL CONDUIT
- 930 — EXISTING CONTOUR
- EXISTING ASPHALT PAVEMENT TO BE REMOVED

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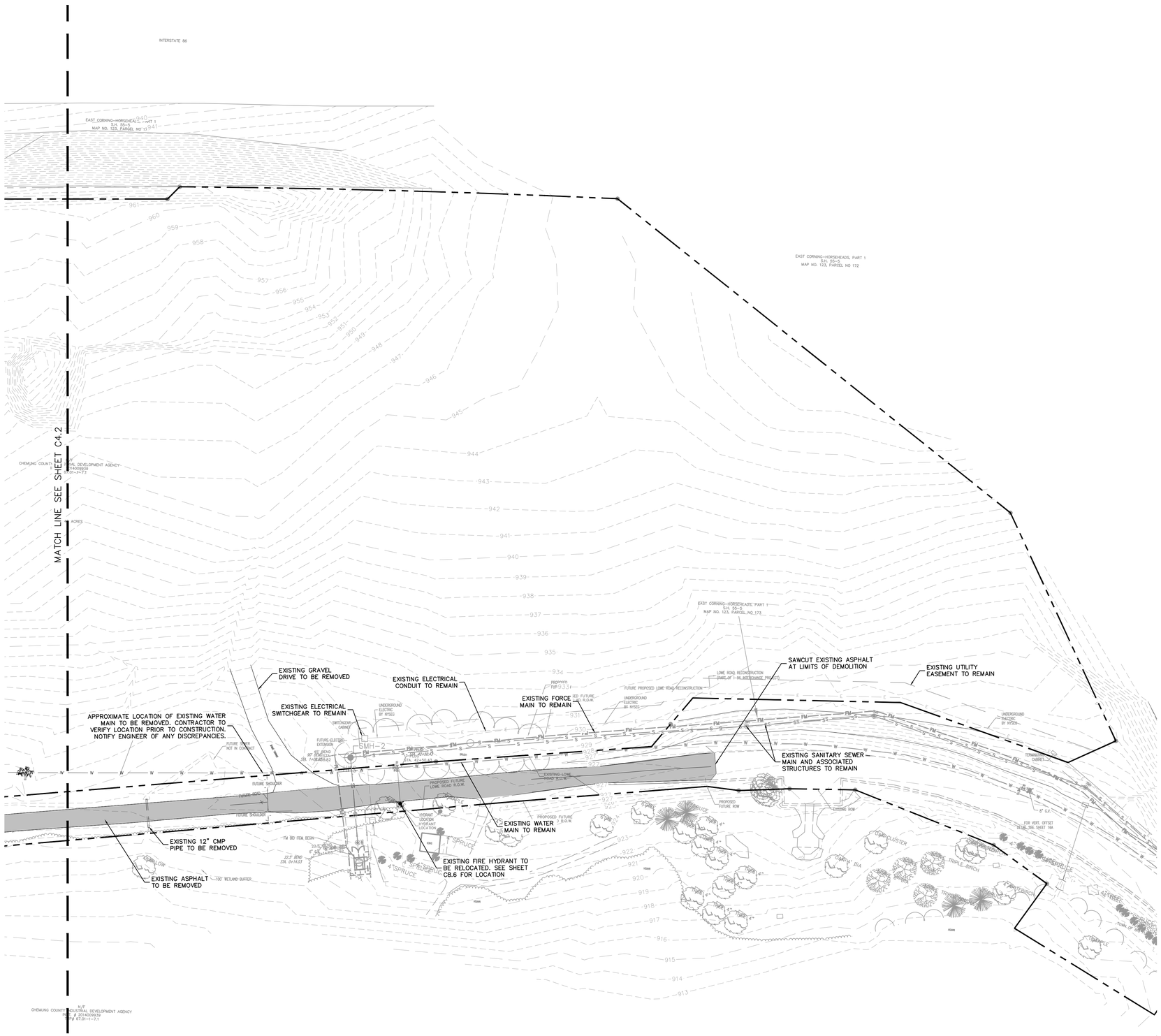
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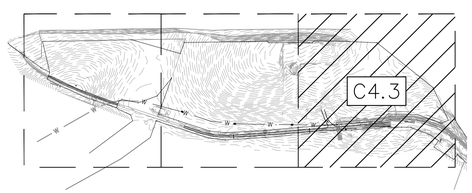
DEMOLITION PLAN

PROJECT MILO
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BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C4.2

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KEY MAP
SCALE: 1"=500'

GRAPHIC SCALE IN FEET
0 25 50 100

NORTH

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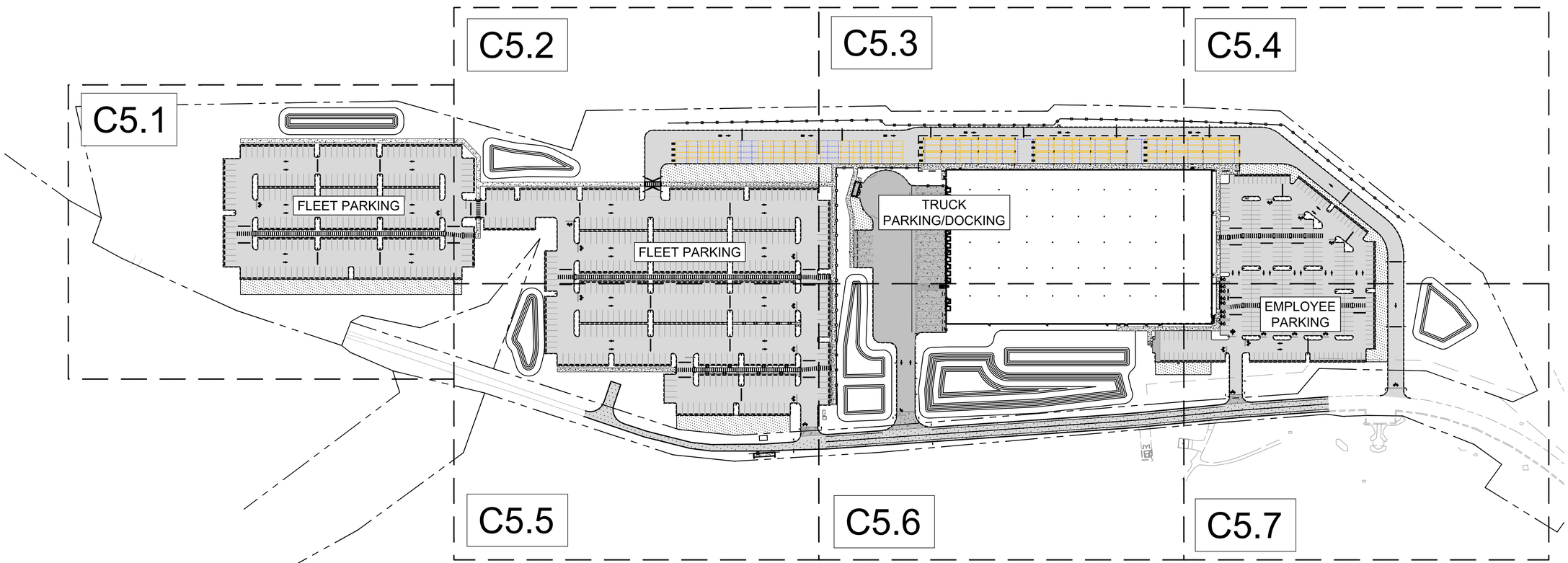
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DEMOLITION PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C4.3



OVERALL SITE DATA	
CHEMUNG COUNTY PARCEL ID	67.01-1-5.1, 67.01-1-7.1
OVERALL SITE AREA	30.76 AC
UTILIZED SITE AREA	30.76 AC
PROPOSED IMPERVIOUS AREA	18.20 AC (59.2%)
MAXIMUM BUILDING COVERAGE	70%
PROPOSED BUILDING COVERAGE	11.16%
ZONING	AIRPORT BUSINESS DISTRICT (ABD)
LAND USE	
EXISTING	UNDEVELOPED
PROPOSED	WAREHOUSING & DISTRIBUTION

BUILDING SETBACKS		
TYPE:	REQUIRED	PROPOSED
FRONT	25 FT.	146.3 FT.
EAST SIDE	15 FT.	138.6 FT.
WEST SIDE	15 FT.	785.9 FT.
REAR	25 FT.	48.6 FT.
EMPLOYEE / CUSTOMER PARKING COUNT		
	REQUIRED	PROPOSED
EMPLOYEE SPACES	52	301
ADA SPACES	3	8
FLEET PARKING	N/A	624
BOXTRUCK	N/A	6
LINEHAUL PARKING	N/A	4
LINEHAUL DOCKING	N/A	16
TOTAL PARKING	55	959

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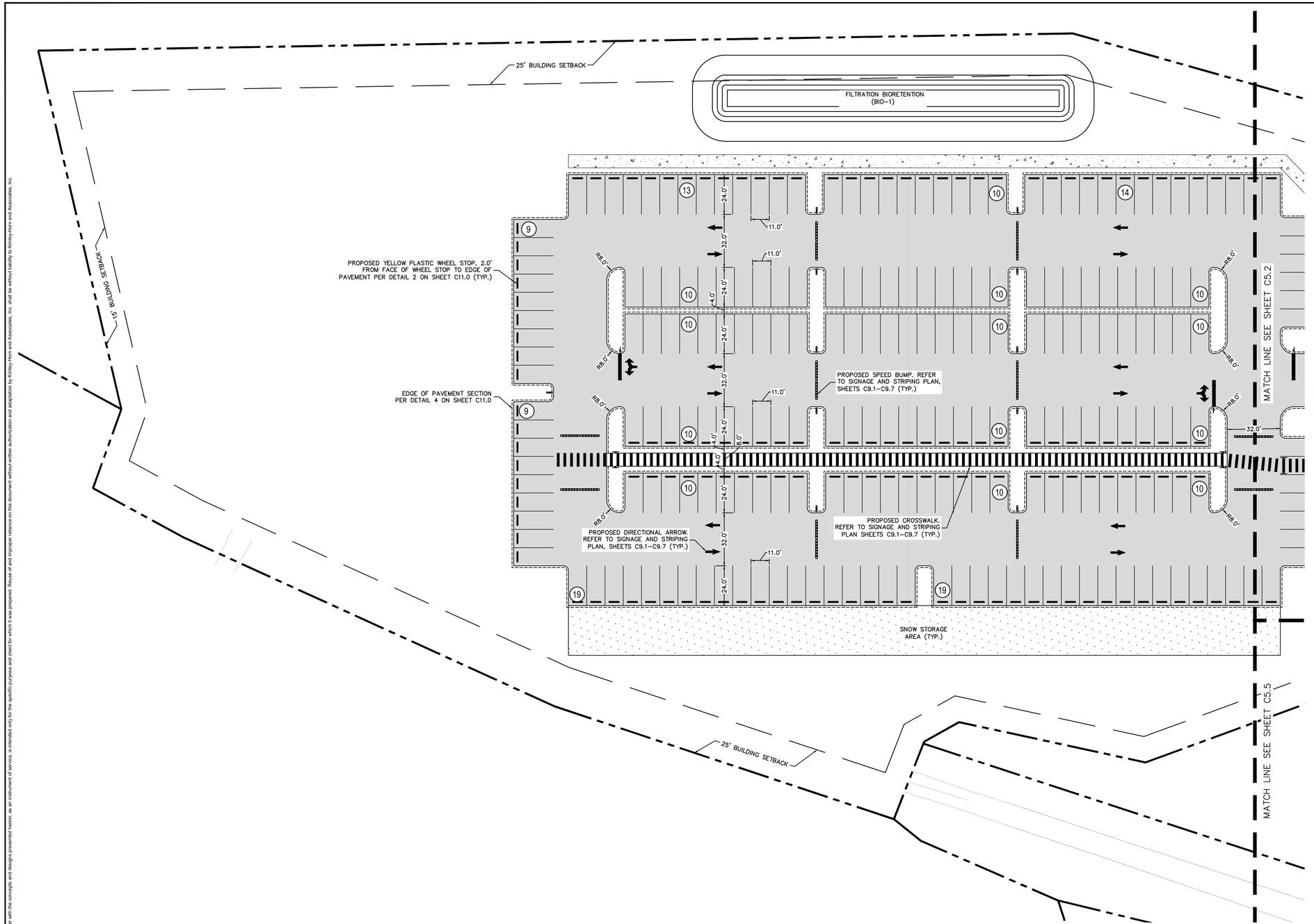
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OVERALL SITE PLAN

PROJECT MILO
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SHEET NUMBER
C5.0

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NORTH

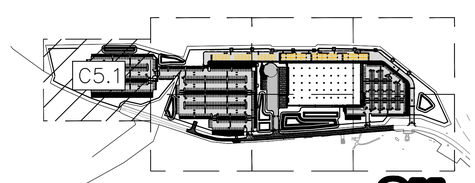
GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND:

- PROPERTY LINE
- BUILDING SETBACK LINE
- EXTENDED BASE PER DETAIL 4 ON SHEET C11.0
- ADA PATH TO BUILDING
- MATCH LINE
- PROPOSED FENCE PER DETAIL 8 ON SHEET C11.0
- (11) PARKING COUNT
- STANDARD DUTY ASPHALT PER DETAIL 1 ON SHEET C11.0
- HEAY DUTY ASPHALT PER DETAIL 1 ON SHEET C11.0
- HEAY DUTY CONCRETE PER DETAIL 1 ON SHEET C11.0
- CONCRETE SIDEWALK PER DETAIL 9 ON SHEET C11.0
- LOWE RD. ASPHALT PER SECTION ON SHEET C10.3
- SNOW STORAGE AREA

GENERAL NOTES

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2. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER SITE FEAUTURES ARE SHOWN BASED ON THE INFORMATION PROVIDED BY THE TOPOGRAPHIC SURVEY PROVIDED BY FAGAN ENGINEERS & LAND SURVEYORS, P.C. DATED OCTOBER 1, 2025
3. SEE SHEETS C9.1 – C9.7 FOR SIGNAGE AND STRIPING DESIGN.
4. NO FUMES, GAS, DUST, PARTICULATE, ODORS OR ANY OTHER ATMOSPHERIC POLLUTANT WILL EXTEND BEYOND THE BOUNDARY OF THE LOT.
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KEY MAP
SCALE: 1"=500'

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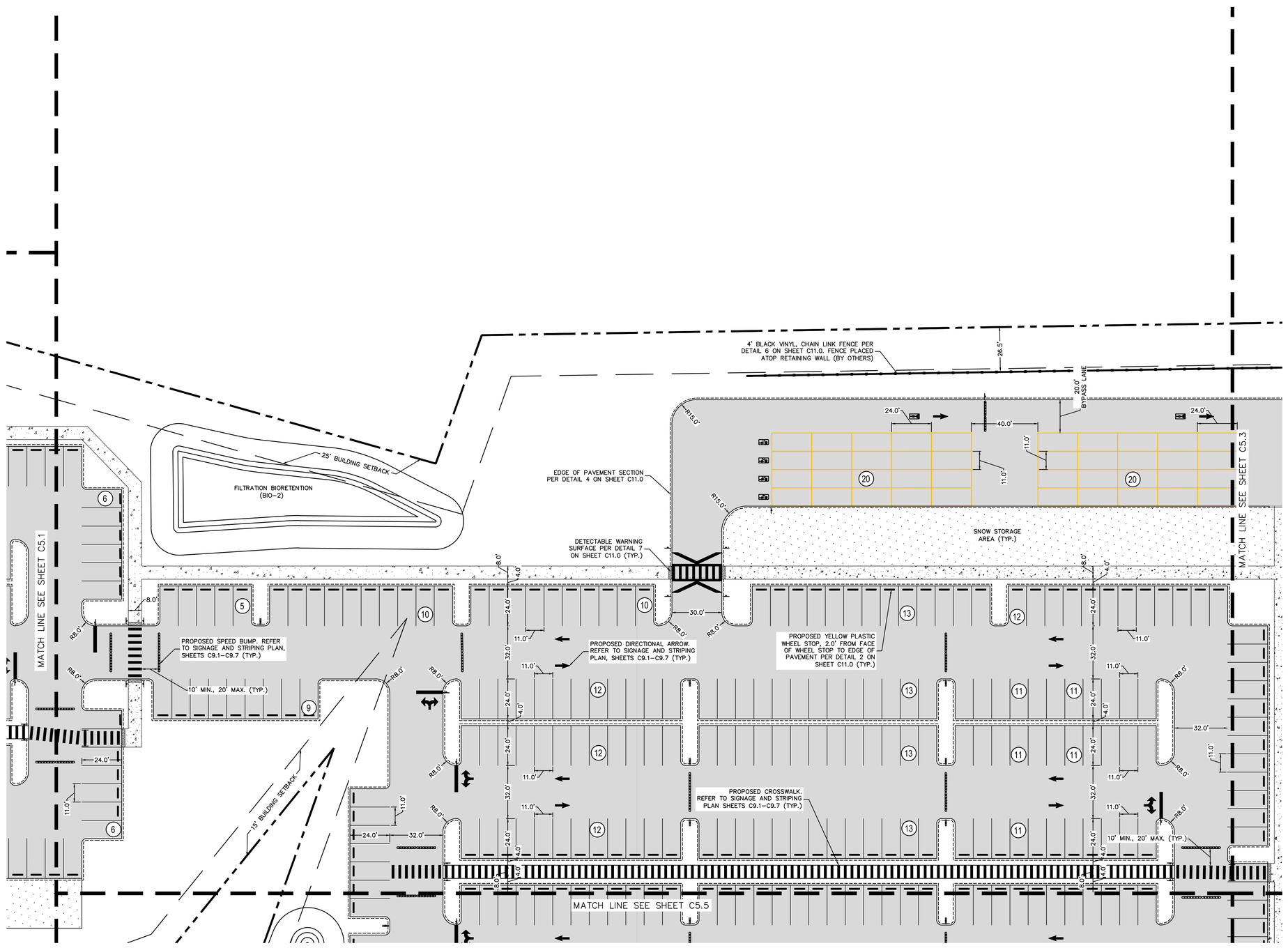
SITE PLAN

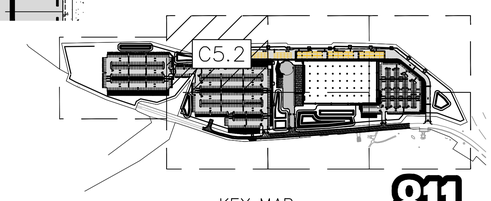
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TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C5.1

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KEY MAP
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NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND:

- PROPERTY LINE
- BUILDING SETBACK LINE
- EXTENDED BASE PER DETAIL 4 ON SHEET C11.0
- ADA PATH TO BUILDING
- MATCH LINE
- PROPOSED FENCE PER DETAIL 8 ON SHEET C11.0
- (11) PARKING COUNT
- STANDARD DUTY ASPHALT PER DETAIL 1 ON SHEET C11.0
- HEAY DUTY ASPHALT PER DETAIL 1 ON SHEET C11.0
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- LOWE RD. ASPHALT PER SECTION ON SHEET C10.3
- SNOW STORAGE AREA

GENERAL NOTES

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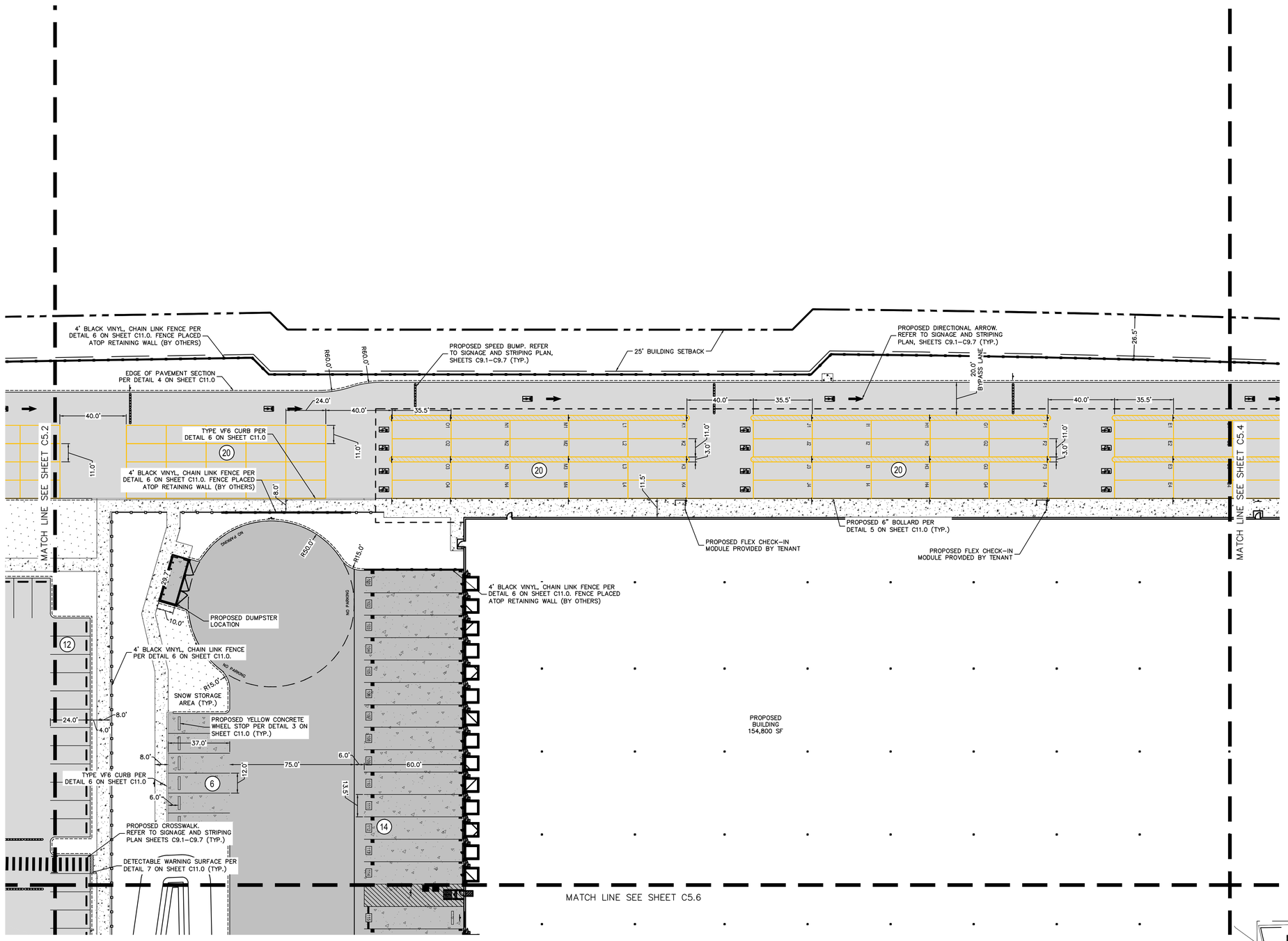
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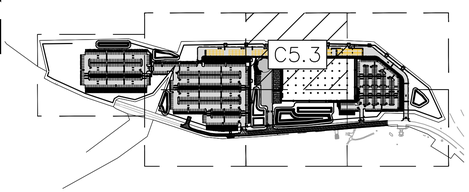
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CHECKED BY DL

SITE PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C5.2





KEY MAP
SCALE: 1"=500'

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND:

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- BUILDING SETBACK LINE
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60 EAST 42ND STREET, SUITE 1730
NEW YORK, NY 10165
PH: (646) 490-6660
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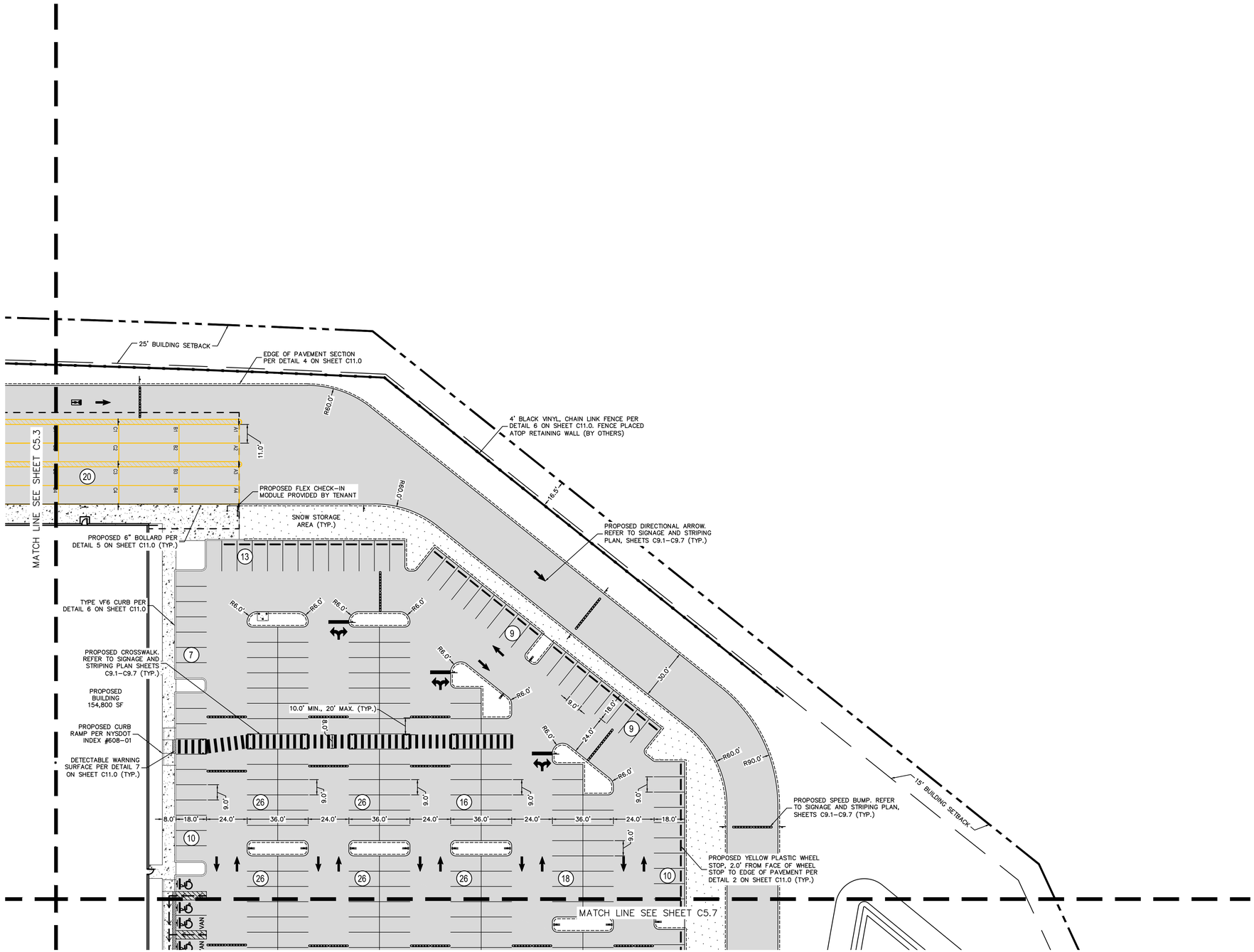
KHA PROJECT 249633002
DATE 1/15/2026
SCALE AS SHOWN
DESIGNED BY JDB
DRAWN BY JDB
CHECKED BY DL

SITE PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C5.3

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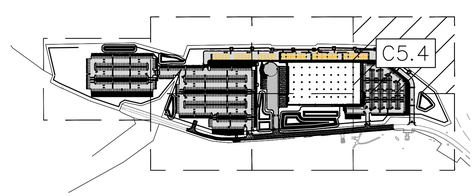
GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND:

- PROPERTY LINE
- BUILDING SETBACK LINE
- EXTENDED BASE PER DETAIL 4 ON SHEET C11.0
- ADA PATH TO BUILDING
- MATCH LINE
- PROPOSED FENCE PER DETAIL 8 ON SHEET C11.0
- (11) PARKING COUNT
- STANDARD DUTY ASPHALT PER DETAIL 1 ON SHEET C11.0
- HEAY DUTY ASPHALT PER DETAIL 1 ON SHEET C11.0
- HEAY DUTY CONCRETE PER DETAIL 1 ON SHEET C11.0
- CONCRETE SIDEWALK PER DETAIL 9 ON SHEET C11.0
- LOWE RD. ASPHALT PER SECTION ON SHEET C10.3
- SNOW STORAGE AREA

GENERAL NOTES

1. ALL RADII ARE 3 FT UNLESS OTHERWISE NOTED.
2. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER SITE FEAUTURES ARE SHOWN BASED ON THE INFORMATION PROVIDED BY THE TOPOGRAPHIC SURVEY PROVIDED BY FAGAN ENGINEERS & LAND SURVEYORS, P.C. DATED OCTOBER 1, 2025
3. SEE SHEETS C9.1 – C9.7 FOR SIGNAGE AND STRIPING DESIGN.
4. NO FUMES, GAS, DUST, PARTICULATE, ODORS OR ANY OTHER ATMOSPHERIC POLLUTANT WILL EXTEND BEYOND THE BOUNDARY OF THE LOT.
5. NO EXCESSIVE SMOKE SHALL BE EMITTED AS DETERMINED BY THE RINGELMANN'S SCALE FOR GRADING THE DENSITY OF SMOKE.
6. THERE SHALL BE NO NOISE LEVELS GREATER THAN SEVENTY (70) DECIBELS MEASURED AT THE PROPERTY LINE.
7. THERE SHALL BE NO DISCHARGE OF ANY INDUSTRIAL EFFLUENT INTO ANY WATERCOURSE, OPEN DITCH, OR LAND SURFACE UNLESS PERMITTED UNDER THE AUTHORITY OF THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION.
8. NO OPEN STORAGE OR STOCKING OF ANY WASTE MATERIAL IS PROPOSED.
9. NO VIBRATIONS WILL BE PERCEPTIBLE BEYOND THE PROPERTY LINE.
10. THERE WILL NOT BE OTHER NUISANCES, ACTIVITIES, OR ACTIONS THAT MAY BE HARMFUL TO A PERSON OR PROPERTY.
11. NO OUTDOOR MATERIALS, SUPPLIES, OR PRODUCTS SHALL BE STORED IN THE FRONT YARD AND SUCH STORAGE IN THE SIDE AND REAR YARDS SHALL BE SCREENED.



KEY MAP
SCALE: 1"=500'

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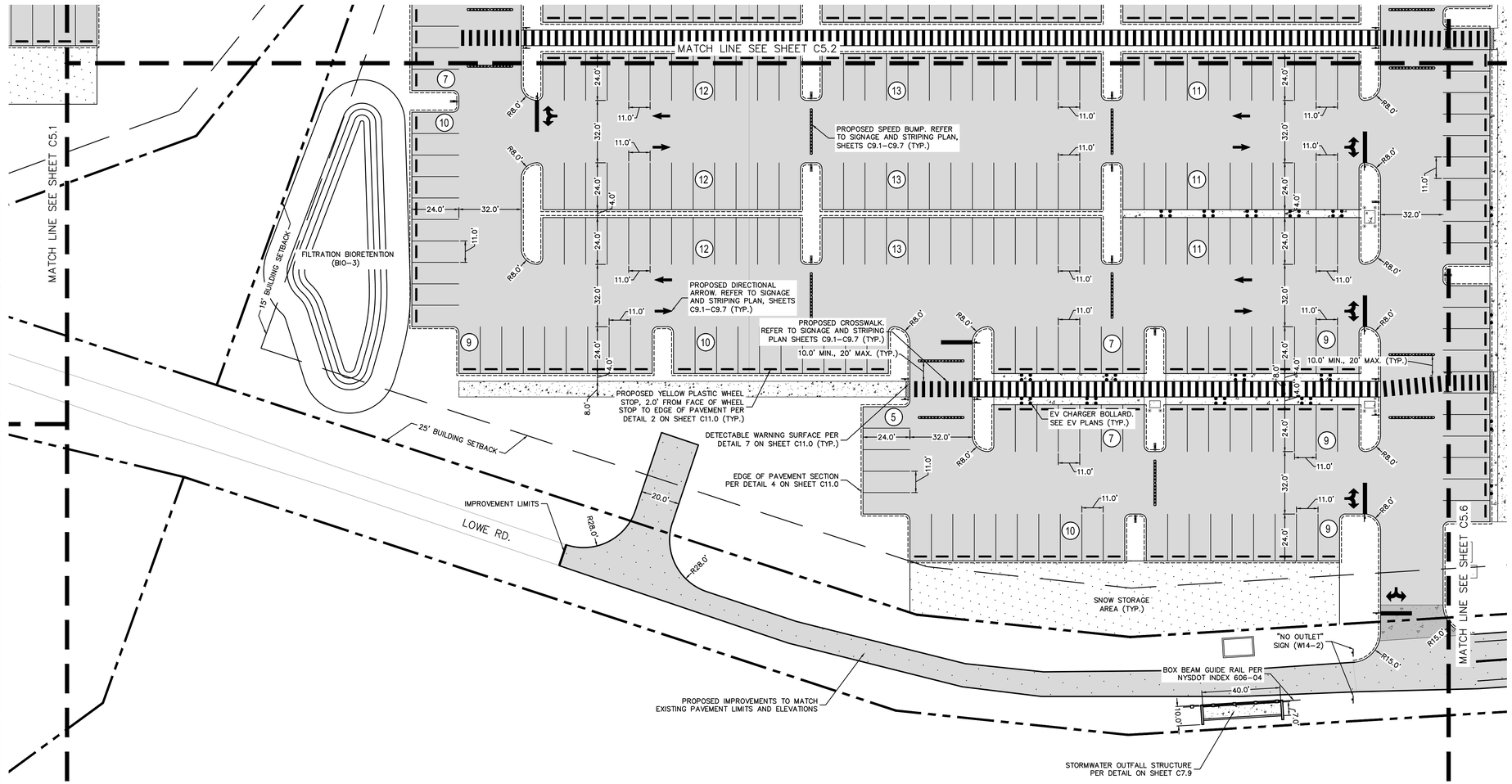
KHA PROJECT 249633002
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SITE PLAN

PROJECT MILO
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SHEET NUMBER
C5.4

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NORTH

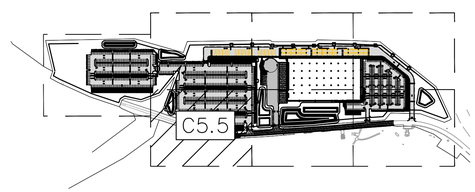
GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND:

- PROPERTY LINE
- BUILDING SETBACK LINE
- EXTENDED BASE PER DETAIL 4 ON SHEET C11.0
- ADA PATH TO BUILDING
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KEY MAP
SCALE: 1"=500'

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New York

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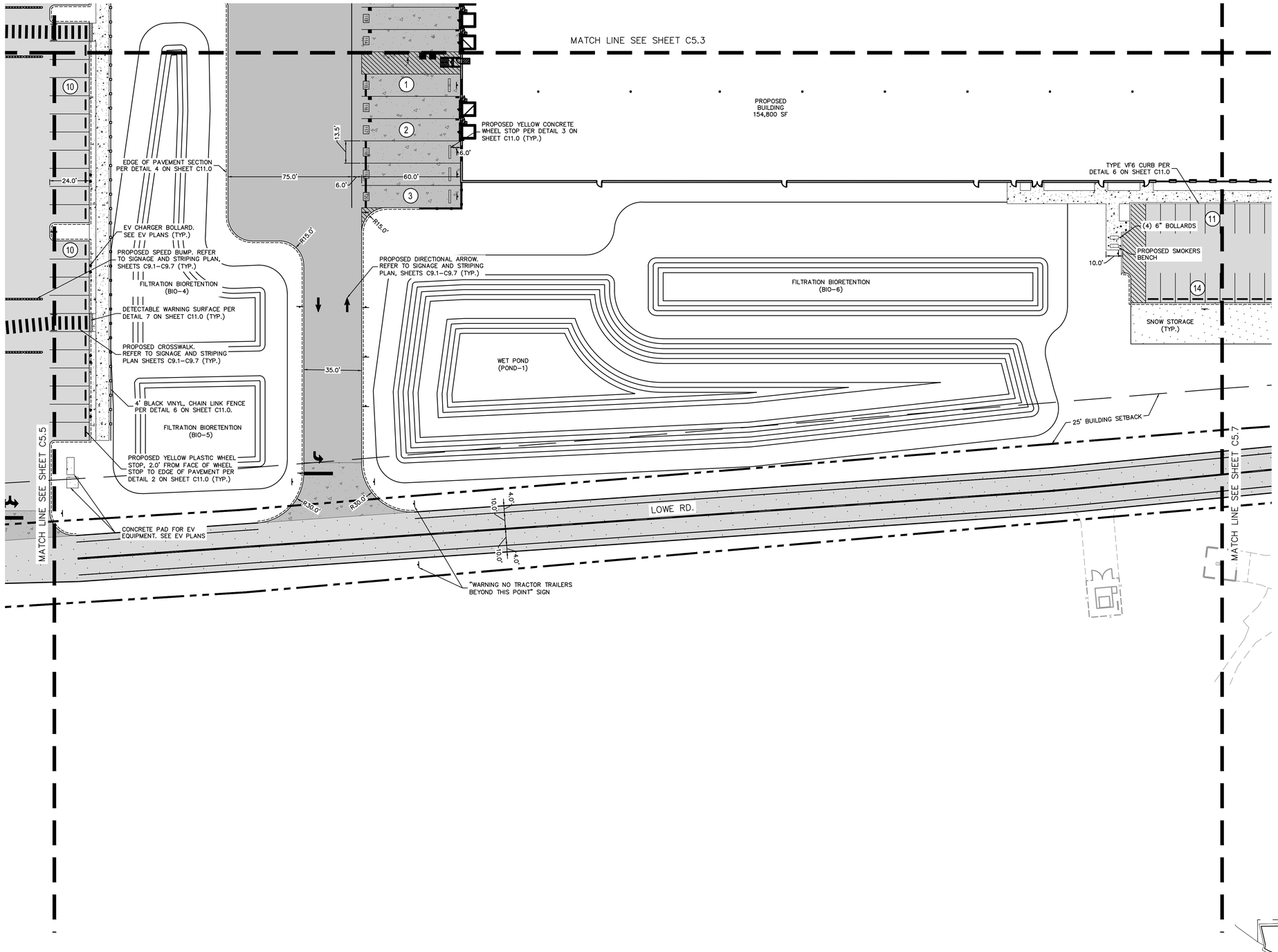
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KHA PROJECT 249633002
DATE 1/15/2026
SCALE AS SHOWN
DESIGNED BY JDB
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SITE PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C5.5



NORTH

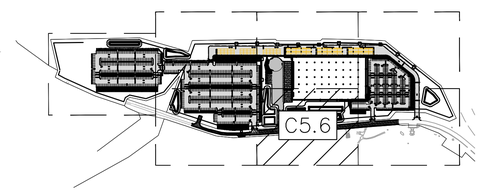
GRAPHIC SCALE IN FEET
0 15 30 60

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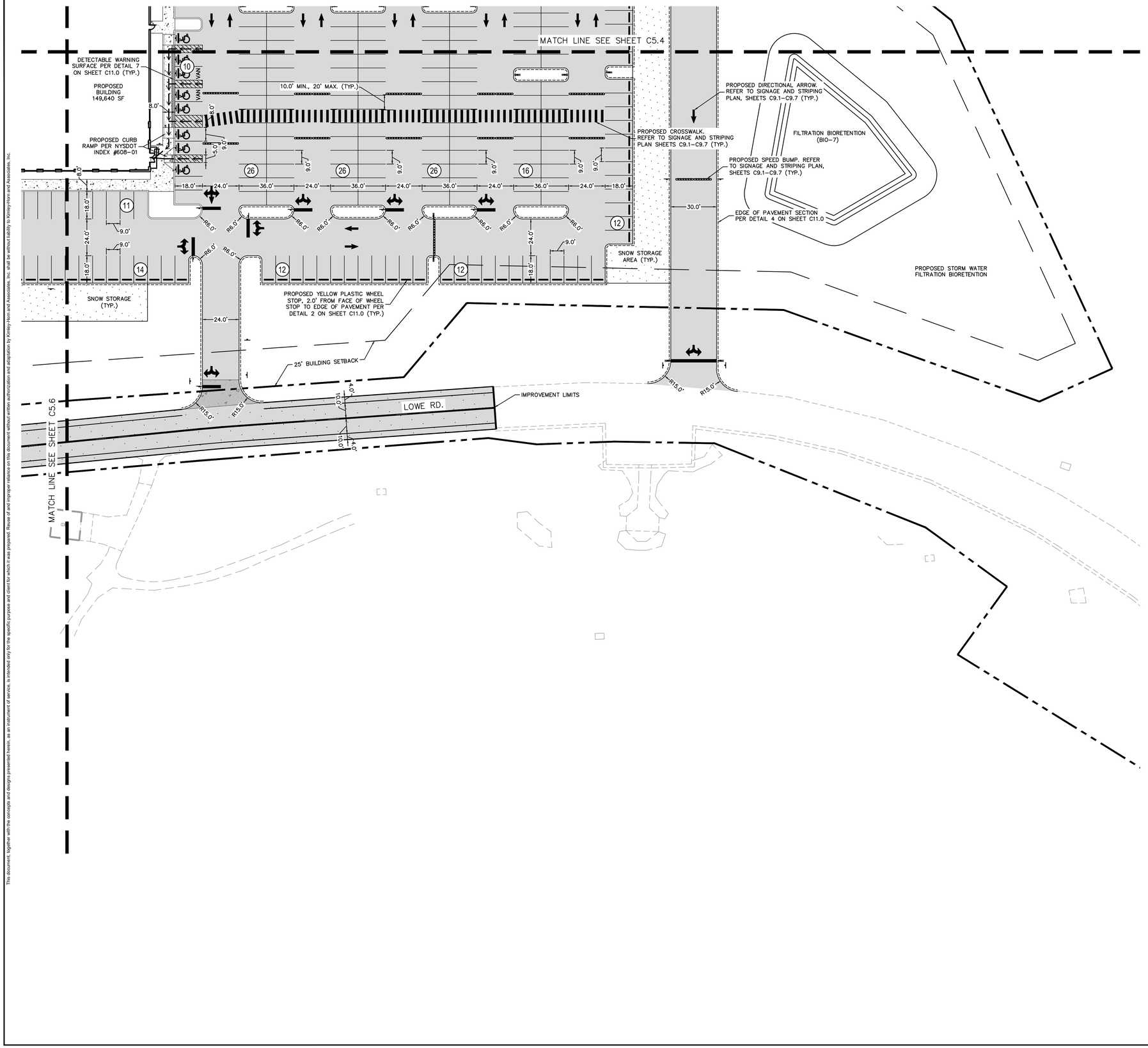
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DATE 1/15/2026
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DESIGNED BY JDB
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CHECKED BY DL

SITE PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C5.6





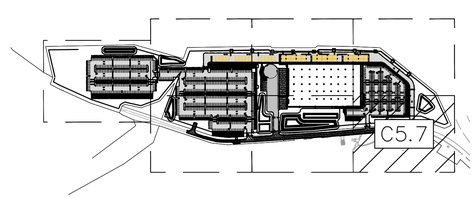
GRAPHIC SCALE IN FEET
0 15 30 60

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SITE PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

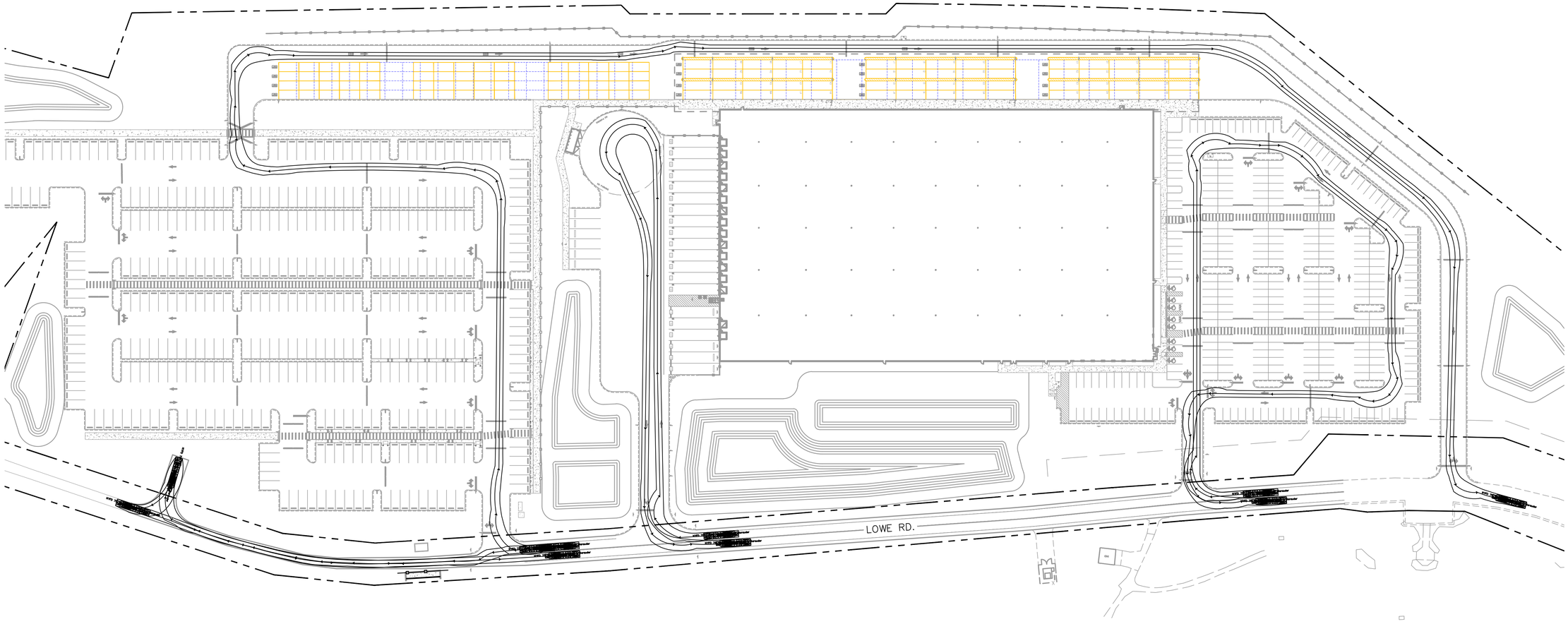
SHEET NUMBER
C5.7

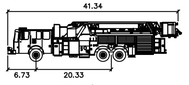
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NORTH

GRAPHIC SCALE IN FEET
0 30 60 120





NYFD 75' Tower Ladder Seagrave Marauder

	feet
Width	: 8.00
Track	: 8.00
Lock to Lock Time	: 6.0
Steering Angle	: 40.4

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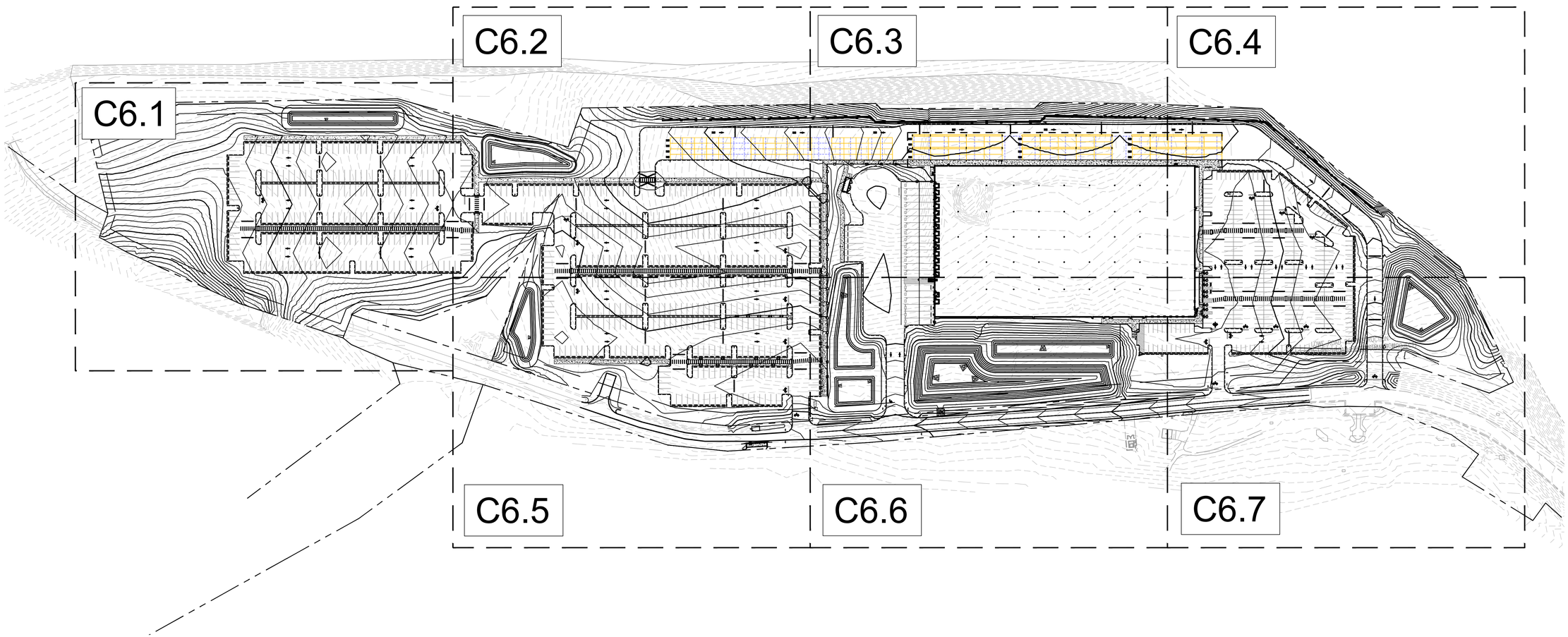
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FIRE TRUCK ROUTING PLAN

PROJECT MILO
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SHEET NUMBER
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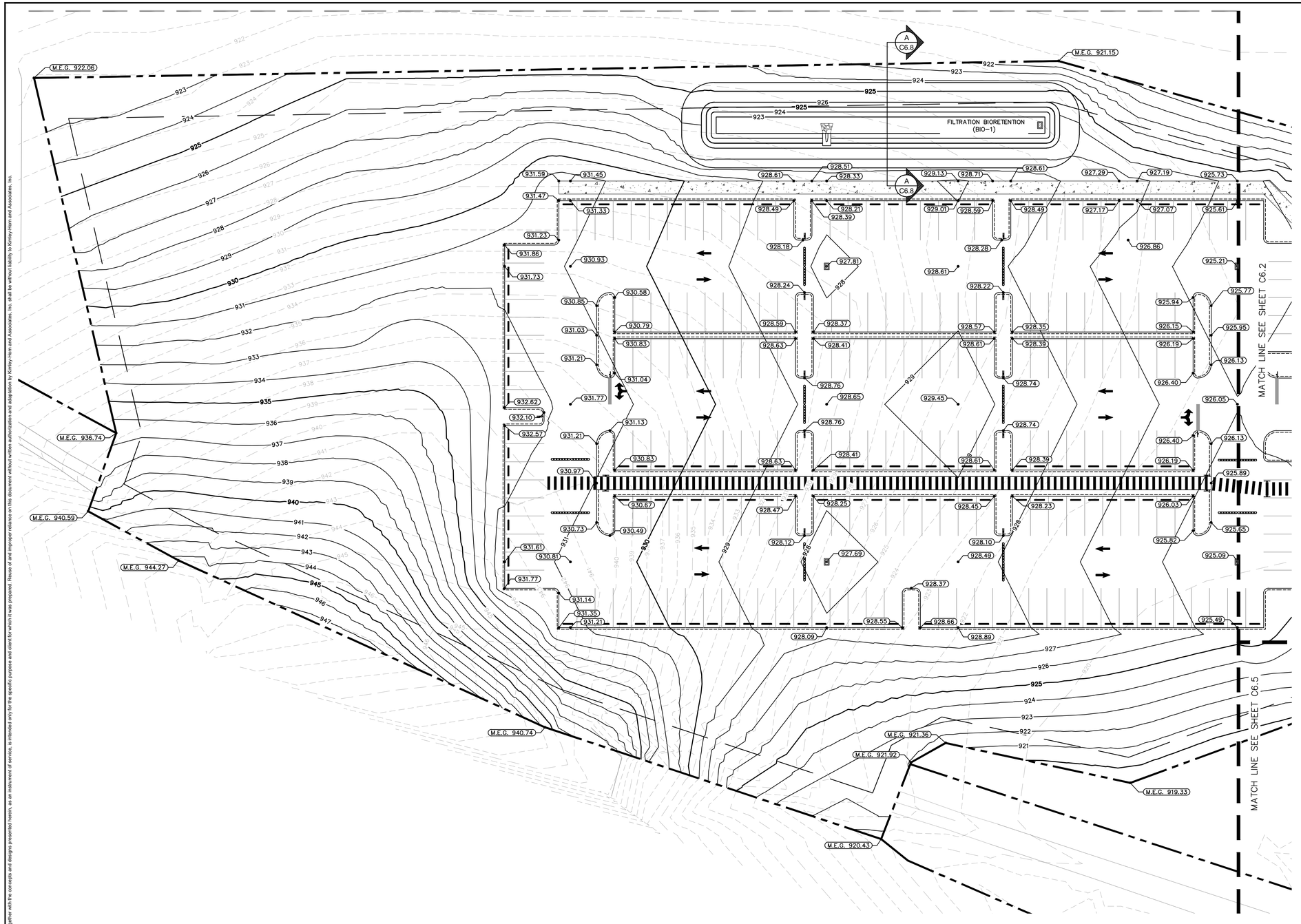
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OVERALL GRADING PLAN

PROJECT MILO
LOWE RD,
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C6.0



GRAPHIC SCALE IN FEET
0 15 30 60

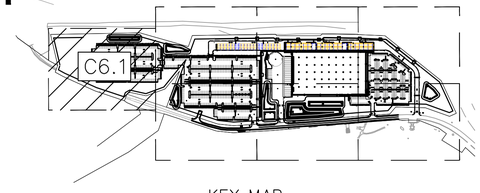
NORTH

LEGEND:

- PROPERTY LINE
- MATCH LINE
- 400 EXISTING CONTOUR
- 400 PROPOSED CONTOUR
- PROPOSED RIP-RAP
- 400.00 PROPOSED SPOT ELEVATION
- 400.50 / 400.00 PROPOSED TOP OF CURB / PROPOSED TOP OF PAVEMENT ELEVATION
- M.E.G. ±400.00 MATCH EXISTING GRADE
- D PROPOSED STORM STRUCTURES

GENERAL NOTES

1. LOADING PAD & QUEUING PAD AREAS LIMITED TO A 2.0% MAXIMUM SLOPE IN ANY DIRECTION.
2. ADA PATH GRADES LIMITED TO A 5% MAXIMUM LONGITUDINAL SLOPE & A 2% MAXIMUM CROSS SLOPE.
3. GRADES LIMITED TO 2% MAXIMUM SLOPE IN ANY DIRECTION IN ADA PARKING SPACES.
4. PARKING LOT AREAS LIMITED TO 5% MAXIMUM SLOPE IN ANY DIRECTION.
5. ALL SPOT ELEVATIONS ARE TO TOP OF PAVEMENT UNLESS OTHERWISE NOTED.
6. REFER TO SHEETS C7.0 – C7.7 FOR STORM SEWER PLAN.
7. THE VERTICAL DATUM IS BASED ON NAVD88.
8. CONTRACTOR TO VERIFY TIE-IN GRADES PRIOR TO START OF CONSTRUCTION.
9. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER SITE FEATURES ARE SHOWN BASED ON THE INFORMATION PROVIDED BY THE TOPOGRAPHIC SURVEY PROVIDED BY FAGAN ENGINEERS & LAND SURVEYORS PC DATED OCTOBER 1, 2025.



KEY MAP
SCALE: 1"=500'

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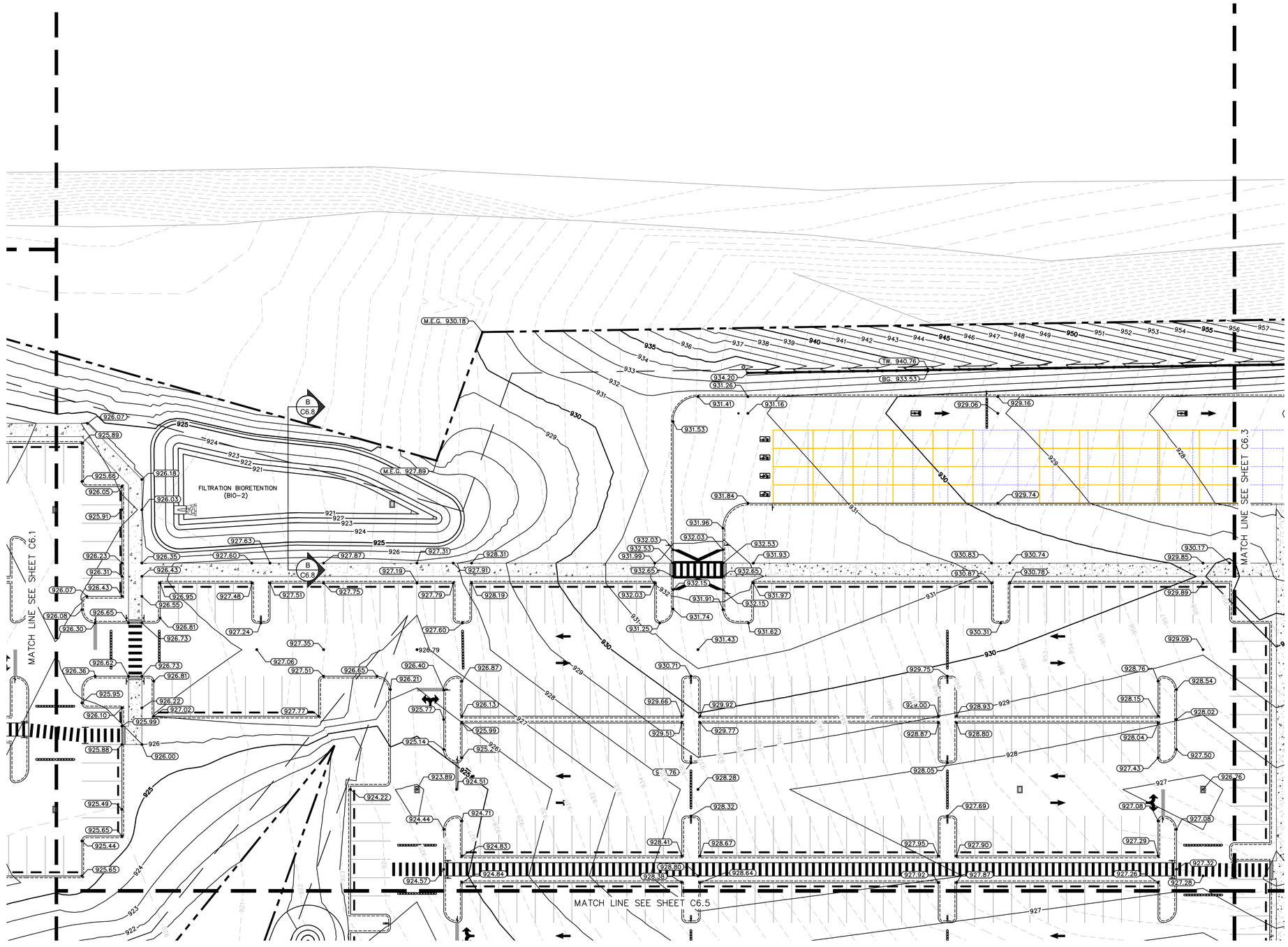
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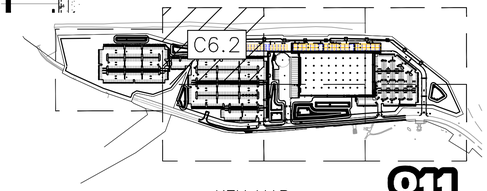
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GRADING PLAN

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SHEET NUMBER
C6.1





KEY MAP
SCALE: 1"=500'

GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

LEGEND:

- PROPERTY LINE
- MATCH LINE
- 400 — EXISTING CONTOUR
- 400 — PROPOSED CONTOUR
- PROPOSED RIP-RAP
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9. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER SITE FEATURES ARE SHOWN BASED ON THE INFORMATION PROVIDED BY THE TOPOGRAPHIC SURVEY PROVIDED BY FAGAN ENGINEERS & LAND SURVEYORS PC DATED OCTOBER 1, 2025.

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WWW.KIMLEY-HORN.COM

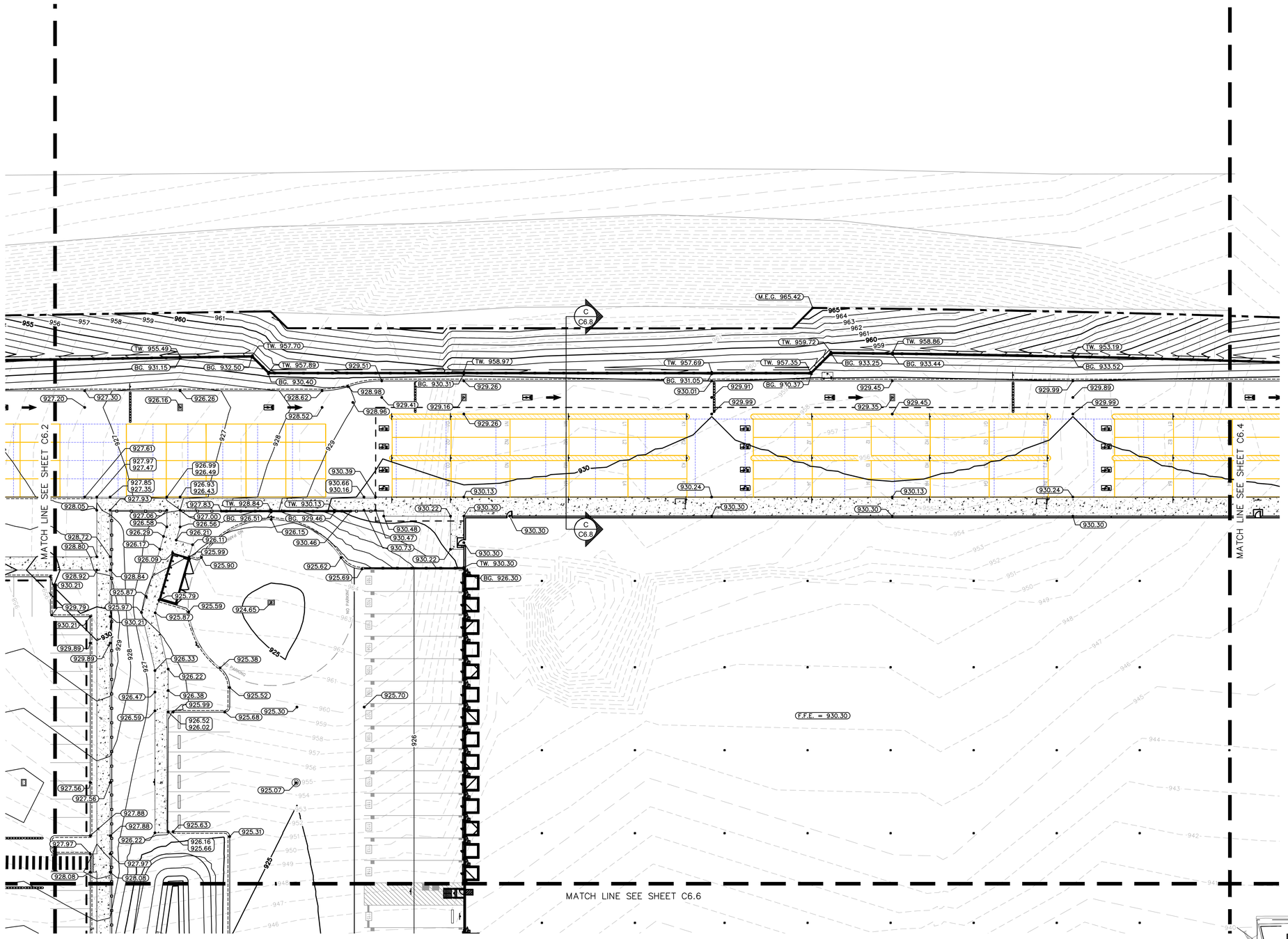
KHA PROJECT 249633002
DATE 1/15/2026
SCALE AS SHOWN
DESIGNED BY JDB
DRAWN BY JDB
CHECKED BY DL

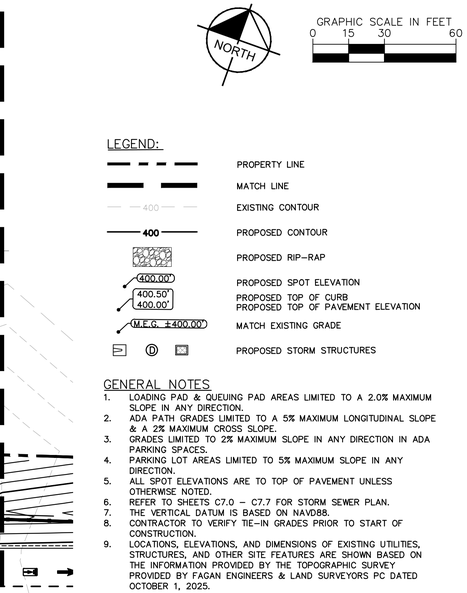
GRADING PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C6.2

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KEY MAP
SCALE: 1"=500'

GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

LEGEND:

- PROPERTY LINE
- MATCH LINE
- 400 — EXISTING CONTOUR
- 400 — PROPOSED CONTOUR
- PROPOSED RIP-RAP
- 400.00 — PROPOSED SPOT ELEVATION
- 400.50 / 400.00 — PROPOSED TOP OF CURB / PROPOSED TOP OF PAVEMENT ELEVATION
- M.E.G. ±400.00 — MATCH EXISTING GRADE
- PROPOSED STORM STRUCTURES

GENERAL NOTES

1. LOADING PAD & QUEUING PAD AREAS LIMITED TO A 2.0% MAXIMUM SLOPE IN ANY DIRECTION.
2. ADA PATH GRADES LIMITED TO A 5% MAXIMUM LONGITUDINAL SLOPE & A 2% MAXIMUM CROSS SLOPE.
3. GRADES LIMITED TO 2% MAXIMUM SLOPE IN ANY DIRECTION IN ADA PARKING SPACES.
4. PARKING LOT AREAS LIMITED TO 5% MAXIMUM SLOPE IN ANY DIRECTION.
5. ALL SPOT ELEVATIONS ARE TO TOP OF PAVEMENT UNLESS OTHERWISE NOTED.
6. REFER TO SHEETS C7.0 – C7.7 FOR STORM SEWER PLAN.
7. THE VERTICAL DATUM IS BASED ON NAVD88.
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DATE 1/15/2026
SCALE AS SHOWN
DESIGNED BY JDB
DRAWN BY JDB
CHECKED BY DL

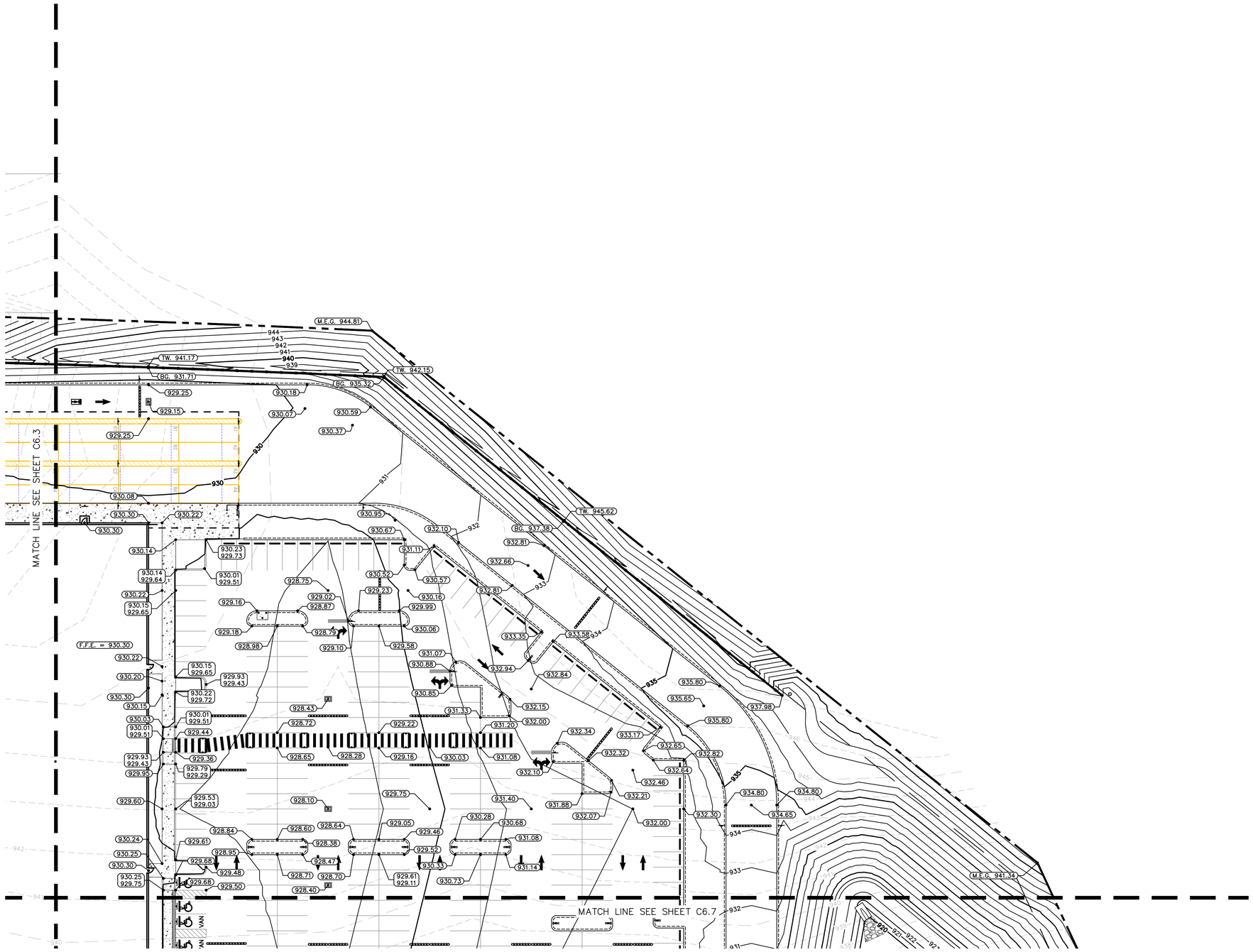
GRADING PLAN

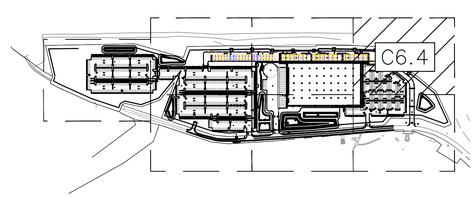
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TOWN OF BIG FLATS
NEW YORK

SHEET NUMBER
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KEY MAP
SCALE: 1"=500'

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GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

LEGEND:

- PROPERTY LINE
- MATCH LINE
- 400 — EXISTING CONTOUR
- 400 — PROPOSED CONTOUR
- PROPOSED RIP-RAP
- 400.00 — PROPOSED SPOT ELEVATION
- 400.50 / 400.00 — PROPOSED TOP OF CURB / PROPOSED TOP OF PAVEMENT ELEVATION
- M.E.G. ±400.00 — MATCH EXISTING GRADE
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GENERAL NOTES

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No.	REVISIONS	DATE	BY

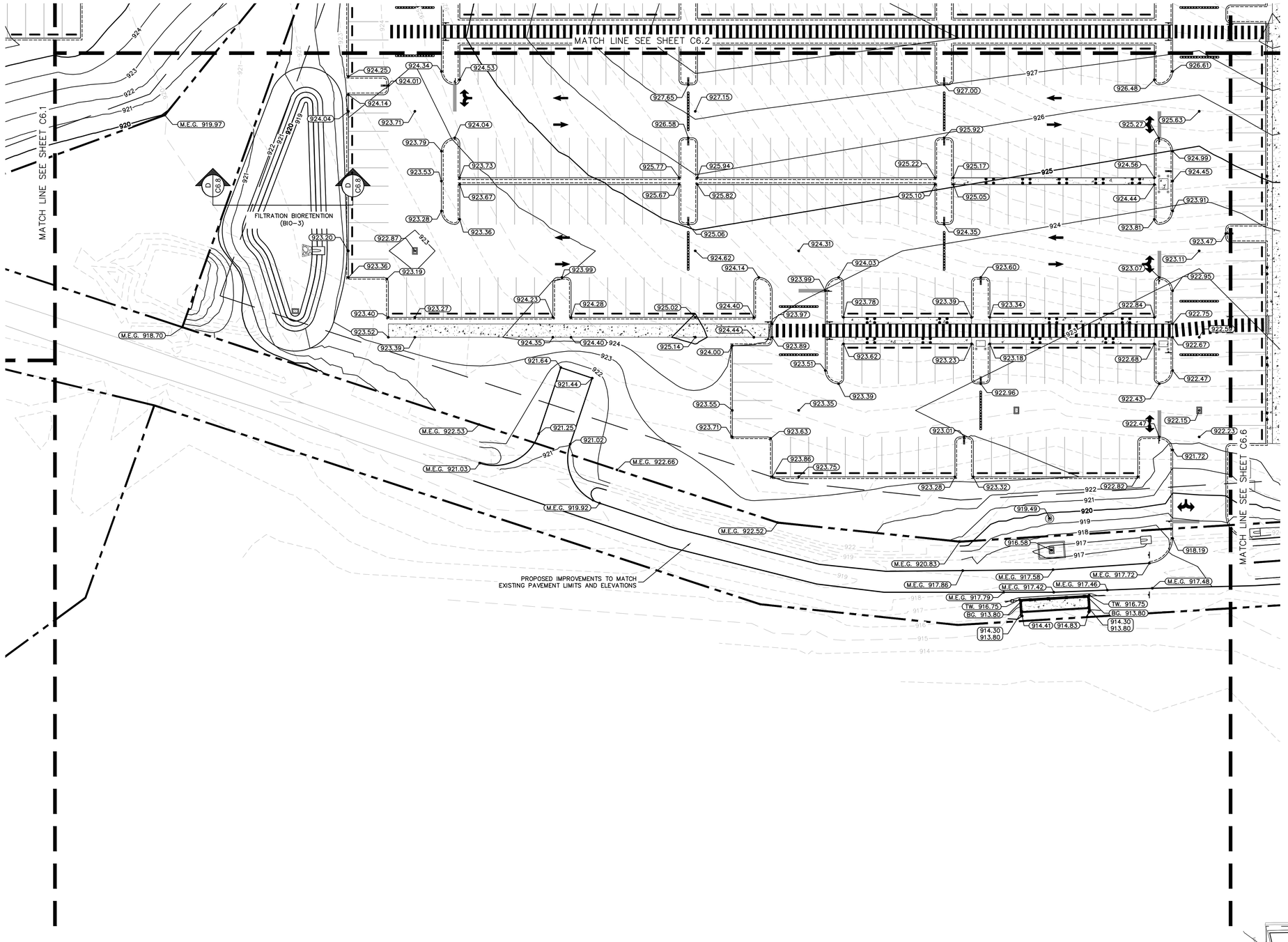
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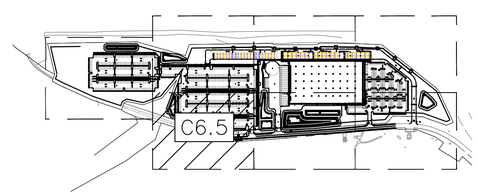
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DATE 1/15/2026
SCALE AS SHOWN
DESIGNED BY JDB
DRAWN BY JDB
CHECKED BY DL

GRADING PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C6.4





KEY MAP
SCALE: 1"=500'

GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

LEGEND:

- PROPERTY LINE
- MATCH LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED RIP-RAP
- PROPOSED SPOT ELEVATION
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DRAWN BY JDB
CHECKED BY DL

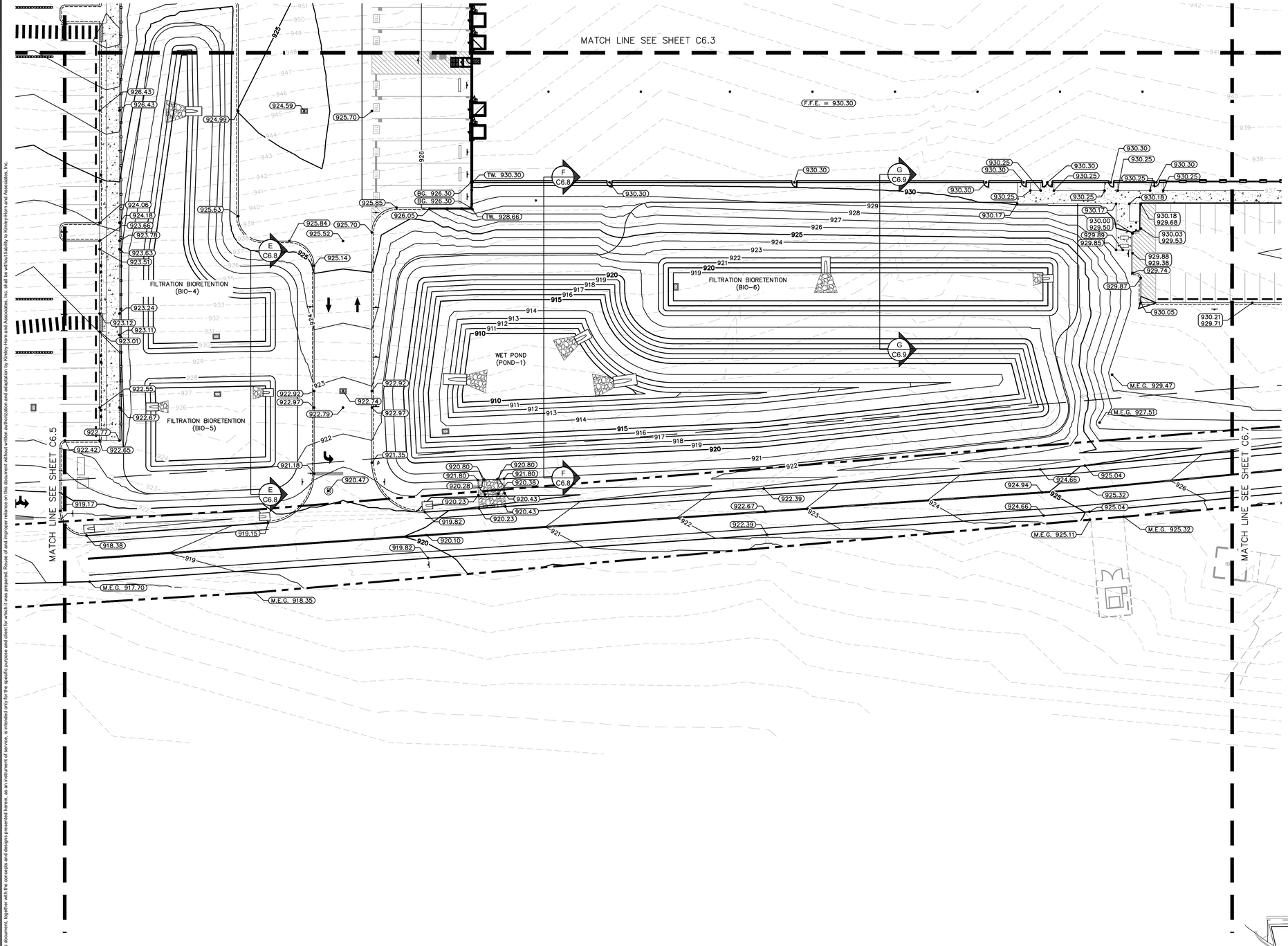
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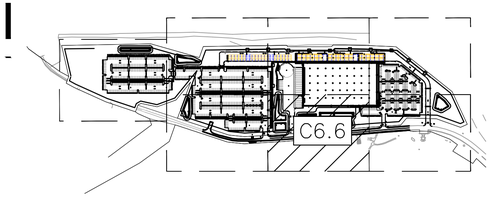
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SHEET NUMBER
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KEY MAP
SCALE: 1"=500'

GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

LEGEND:

- PROPERTY LINE
- MATCH LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED RIP-RAP
- PROPOSED SPOT ELEVATION
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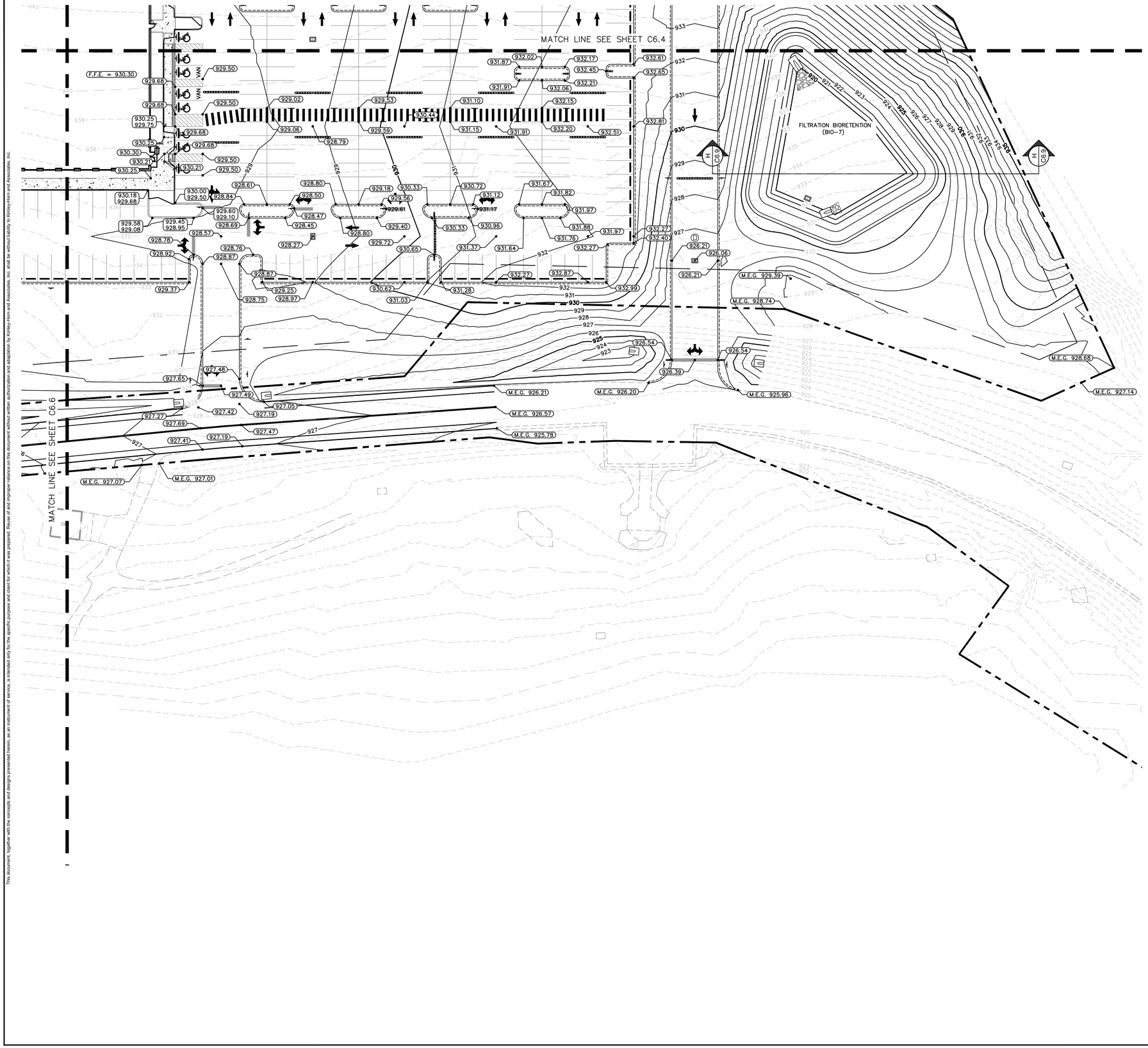
KHA PROJECT 249633002
DATE 1/15/2026
SCALE AS SHOWN
DESIGNED BY JDB
DRAWN BY JDB
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GRADING PLAN

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NORTH

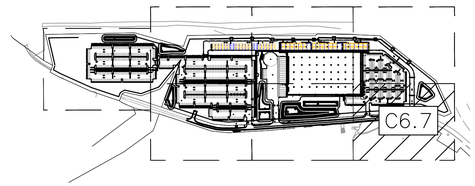
GRAPHIC SCALE IN FEET
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LEGEND:

- PROPERTY LINE
- MATCH LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED RIP-RAP
- PROPOSED SPOT ELEVATION
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KEY MAP
SCALE: 1"=500'

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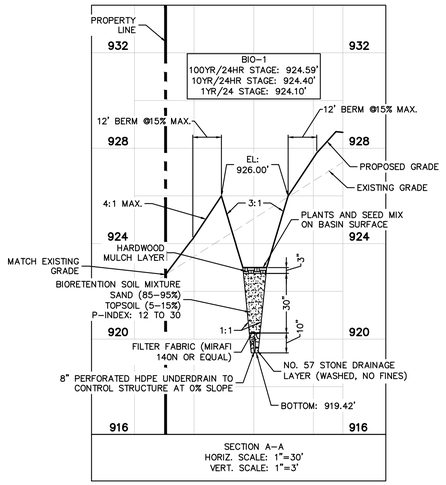
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SCALE AS SHOWN
DESIGNED BY JDB
DRAWN BY JDB
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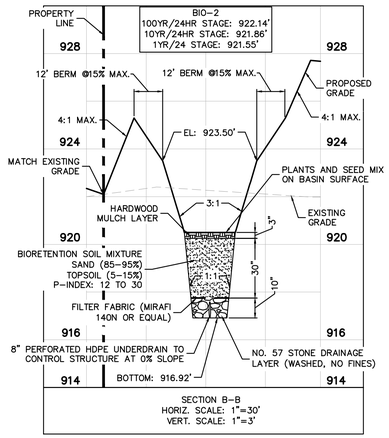
GRADING PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

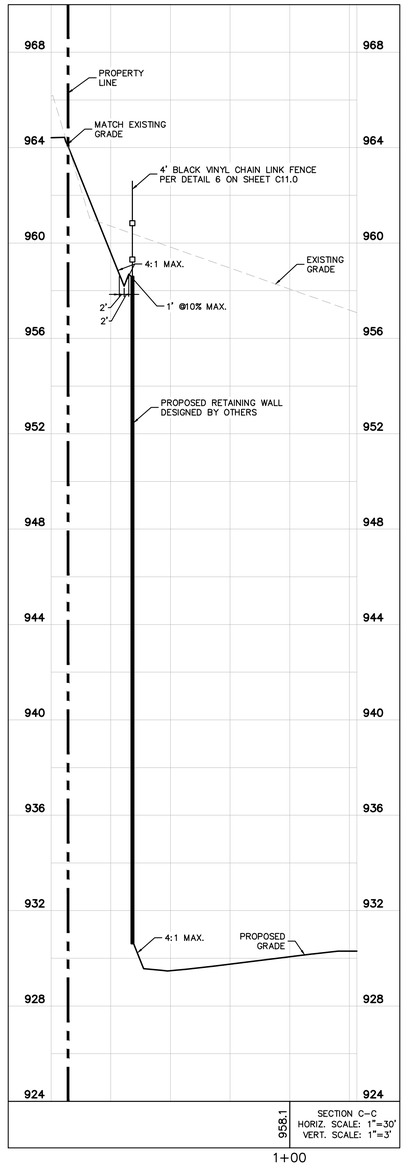
SHEET NUMBER
C6.7



SECTION A–A
HORIZ. SCALE: 1"=30'
VERT. SCALE: 1"=3'



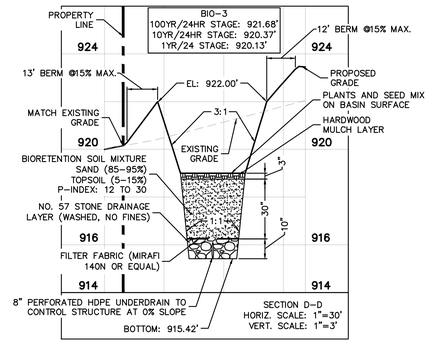
SECTION B–B
HORIZ. SCALE: 1"=30'
VERT. SCALE: 1"=3'



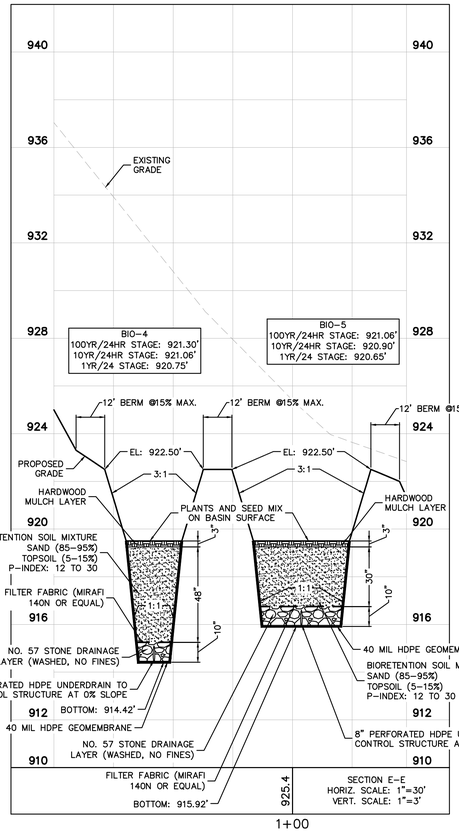
958.1

SECTION C–C
HORIZ. SCALE: 1"=30'
VERT. SCALE: 1"=3'

1+00



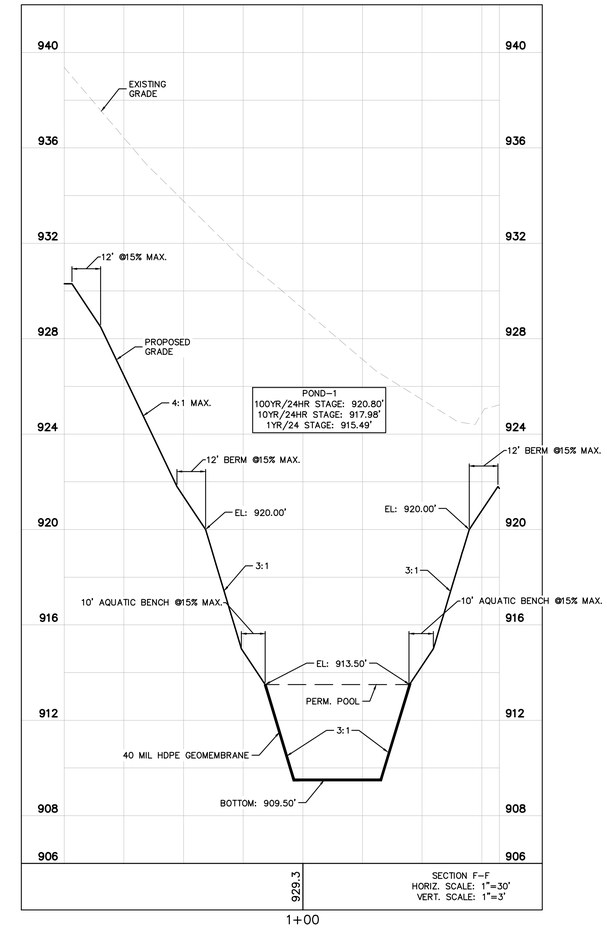
SECTION D–D
HORIZ. SCALE: 1"=30'
VERT. SCALE: 1"=3'



925.4

SECTION E–E
HORIZ. SCALE: 1"=30'
VERT. SCALE: 1"=3'

1+00



929.3

SECTION F–F
HORIZ. SCALE: 1"=30'
VERT. SCALE: 1"=3'

1+00

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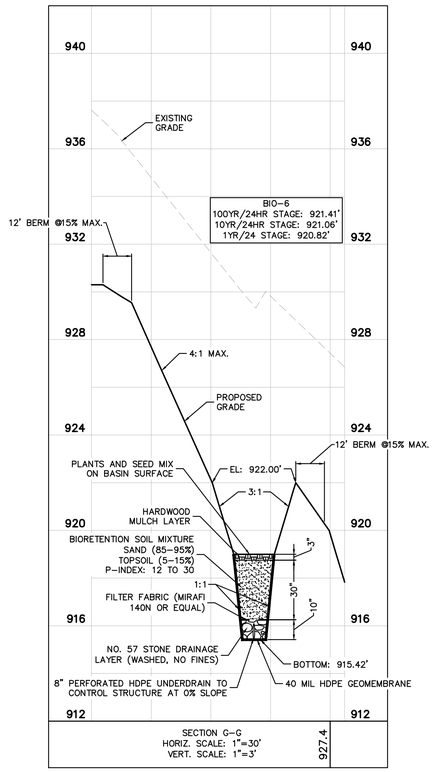
KHA PROJECT 249633002
DATE 1/15/2026
SCALE AS SHOWN
DESIGNED BY JDB
DRAWN BY JDB
CHECKED BY DL

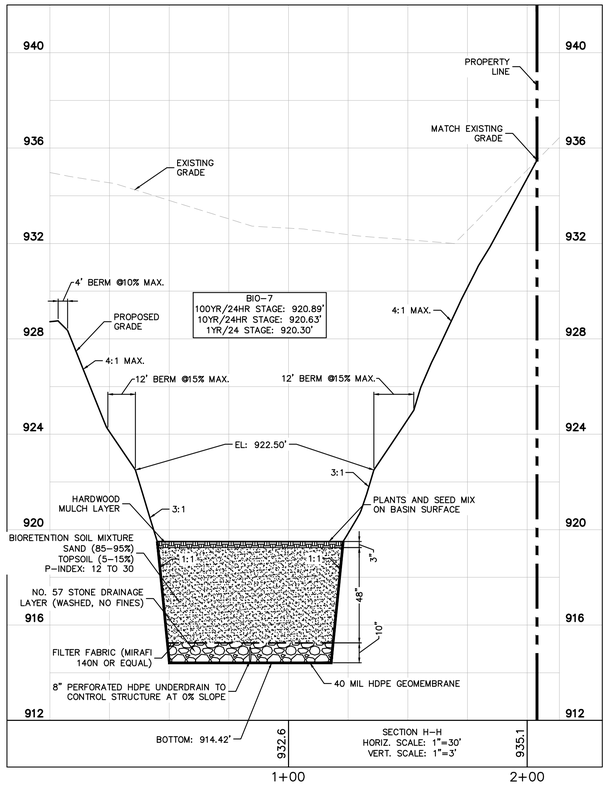
CROSS SECTIONS

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TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
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CROSS SECTIONS

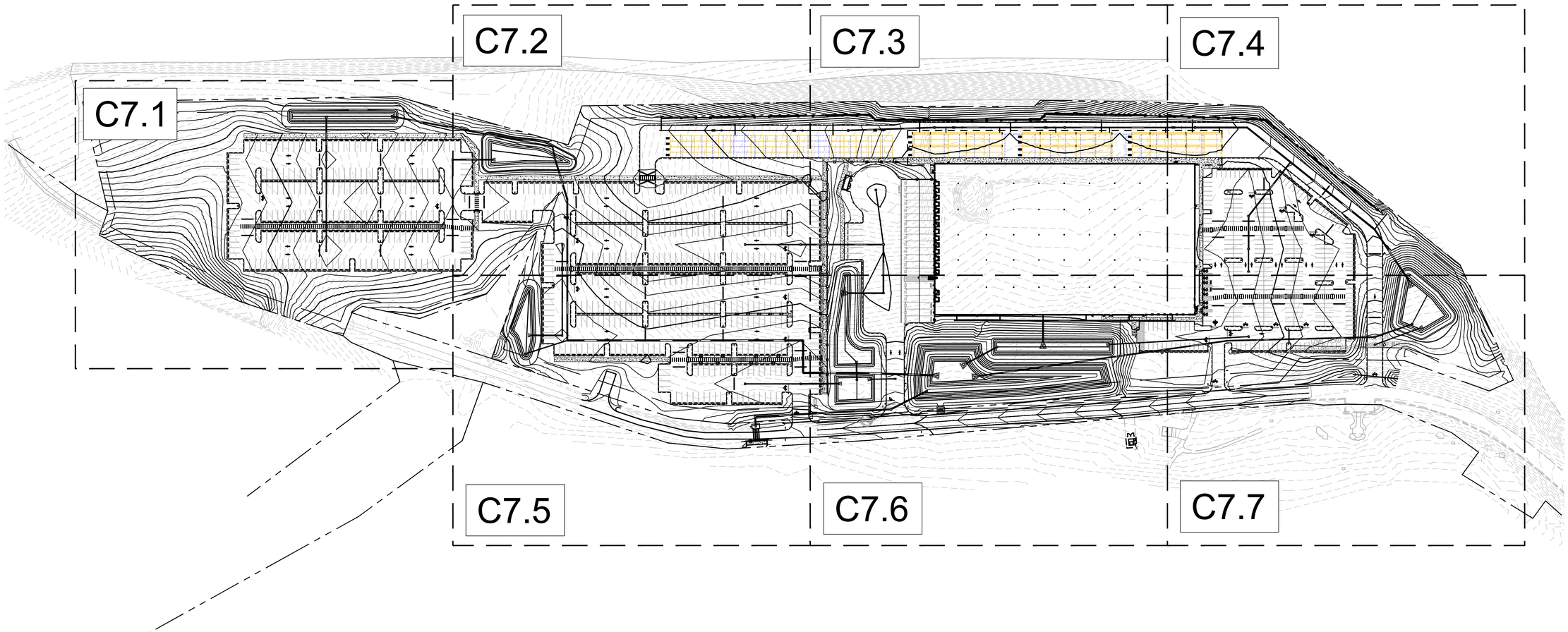
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NORTH

GRAPHIC SCALE IN FEET
0 50 100 200



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New York

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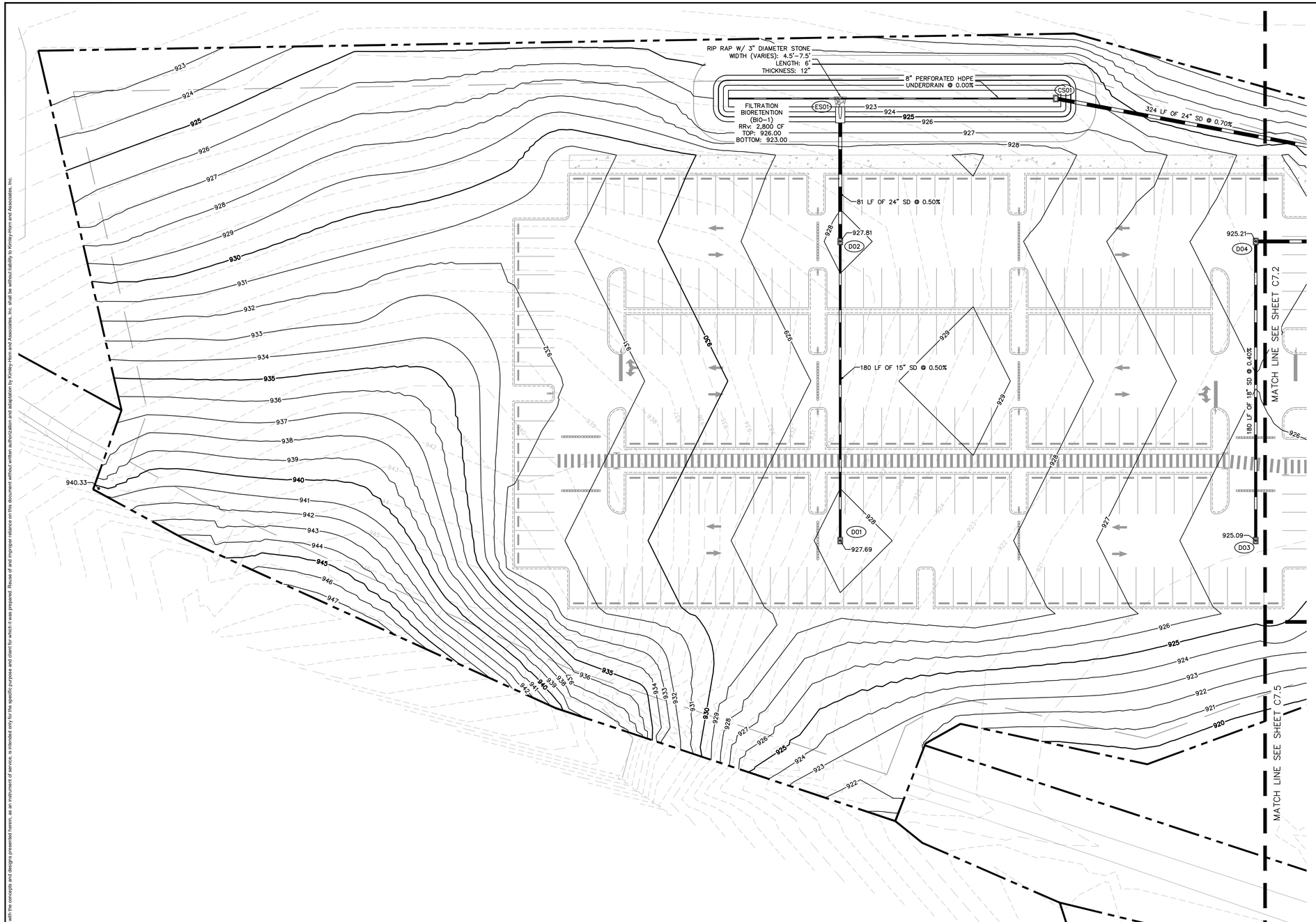
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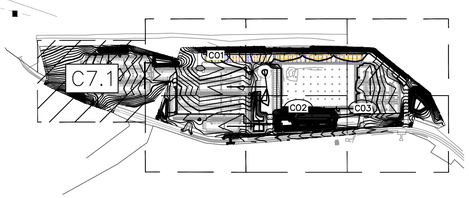
KHA PROJECT
249633002
DATE
1/15/2026
SCALE AS SHOWN
DESIGNED BY JDB
DRAWN BY JDB
CHECKED BY DL

OVERALL DRAINAGE PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS
NEW YORK

SHEET NUMBER
C7.0





KEY MAP
SCALE: 1"=500'

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND:

- PROPERTY LINE
- MATCH LINE
- 400 EXISTING CONTOUR
- 400 PROPOSED CONTOUR
- PROPOSED RIP-RAP
- PROPOSED STORM PIPE
- PROPOSED STORM STRUCTURES

GENERAL NOTES

1. SD STORM PIPE MATERIALS SHALL BE A-2000 PVC, N-12 HP STORM, RIGID WALL TIGHT HDPE, OR RCP, AND CONFORM WITH THE LATEST EDITION OF NYSDOT STANDARDS AS WELL AS TOWN OF BIG FLATS REQUIREMENTS.
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STORM STRUCTURE TABLE

STRUCTURE NAME:	DETAILS:
D01	STORM INLET PER NYSDOT INDEX 604-02 W/ 30"X30" GRATE TOP: 927.69 N. INV OUT: 924.31 (15" SD)
D02	STORM INLET PER NYSDOT INDEX 604-02 W/ 30"X30" GRATE TOP: 927.81 S. INV IN: 923.41 (15" SD) N. INV OUT: 923.41 (24" SD)
D03	STORM INLET PER NYSDOT INDEX 604-02 W/ 30"X30" GRATE TOP: 925.09 N. INV OUT: 921.53 (18" SD)
D04	STORM INLET PER NYSDOT INDEX 604-02 W/ 30"X30" GRATE TOP: 925.21 S. INV IN: 920.81 (18" SD) E. INV OUT: 920.81 (24" SD)
CS01	CS01 SEE DETAIL, SHEET C7.8
ES01	END SECTION PER NYSDOT INDEX 603-02 S. INV IN: 923.00 (24" SD)

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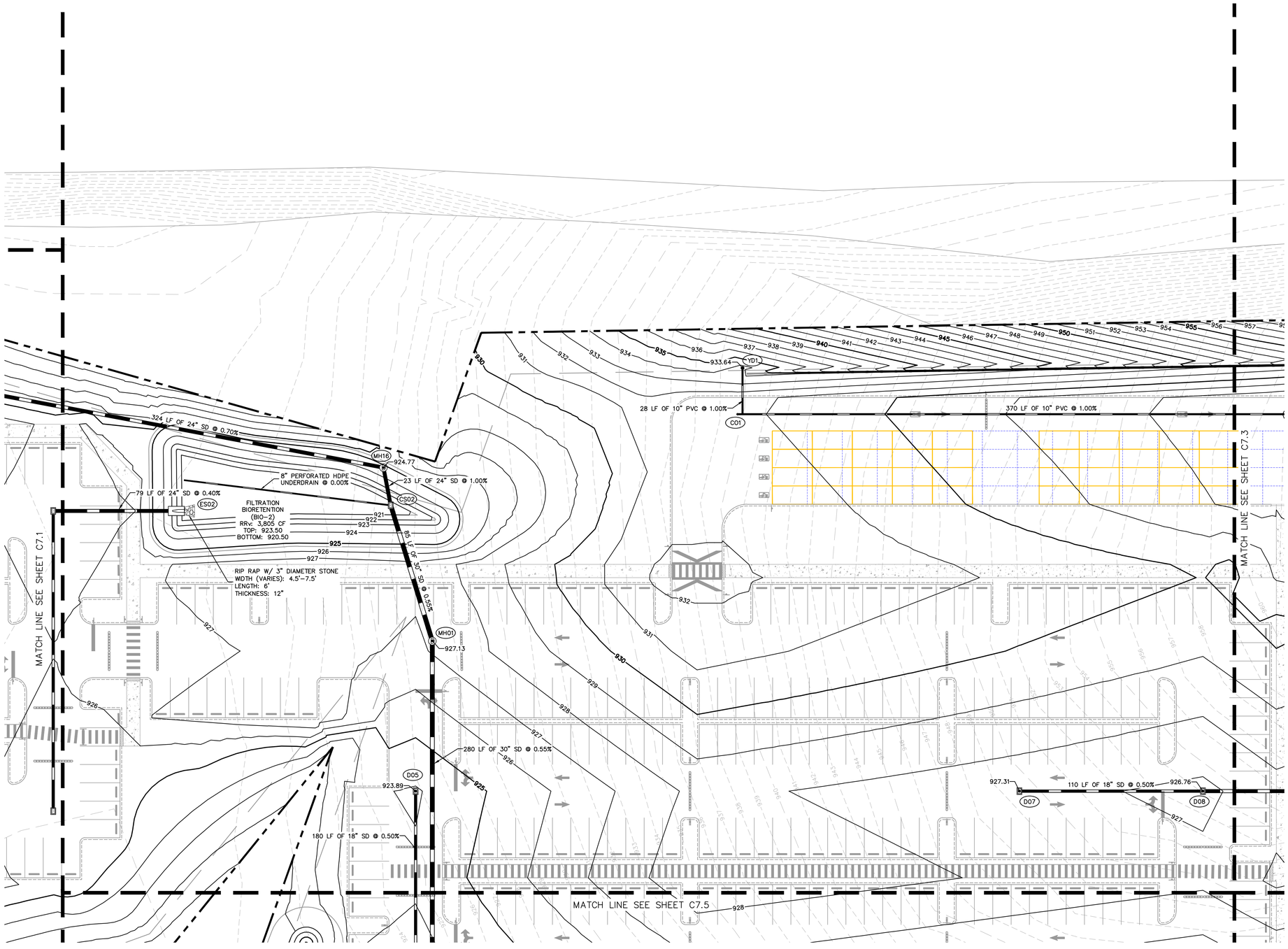
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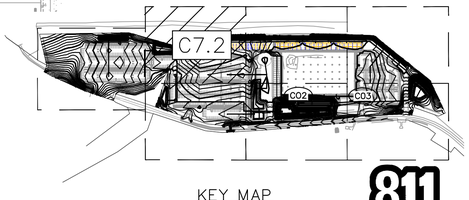
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DATE 1/15/2026
SCALE AS SHOWN
DESIGNED BY JDB
DRAWN BY JDB
CHECKED BY DL

DRAINAGE PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C7.1





KEY MAP
SCALE: 1"=500'

GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

LEGEND:

- PROPERTY LINE
- MATCH LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED RIP-RAP
- PROPOSED STORM PIPE
- PROPOSED STORM STRUCTURES

GENERAL NOTES

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STORM STRUCTURE TABLE

STRUCTURE NAME:	DETAILS:
CO1	CLEAN OUT TOP: 931.28 E. INV OUT: 925.94 (10" PVC)
D05	STORM INLET PER NYSDOT INDEX 604-02 W/ 30"X30" GRATE TOP: 923.89 S. INV OUT: 920.21 (18" SD)
D07	STORM INLET PER NYSDOT INDEX 604-02 W/ 30"X30" GRATE TOP: 927.31 E. INV OUT: 921.82 (18" SD)
D08	STORM INLET PER NYSDOT INDEX 604-02 W/ 30"X30" GRATE TOP: 926.76 W. INV IN: 921.27 (18" SD) E. INV OUT: 921.27 (24" SD)
MH01	STORM MANHOLE PER NYSDOT INDEX 604-02 TOP: 927.13 NW. INV IN: 916.20 (30" SD) S. INV OUT: 916.20 (30" SD)
MH16	STORM MANHOLE PER NYSDOT INDEX 604-02 TOP: 924.77 W. INV IN: 917.15 (24" SD) SE. INV OUT: 917.15 (24" SD)
YD1	10" ADS NYLOPLAST DRAIN BASIN TOP: 933.64 S. INV OUT: 926.19 (10" PVC)
CS02	CS02 SEE DETAIL, SHEET C7.8
ES02	END SECTION PER NYSDOT INDEX 603-02 W. INV IN: 920.50 (24" SD)

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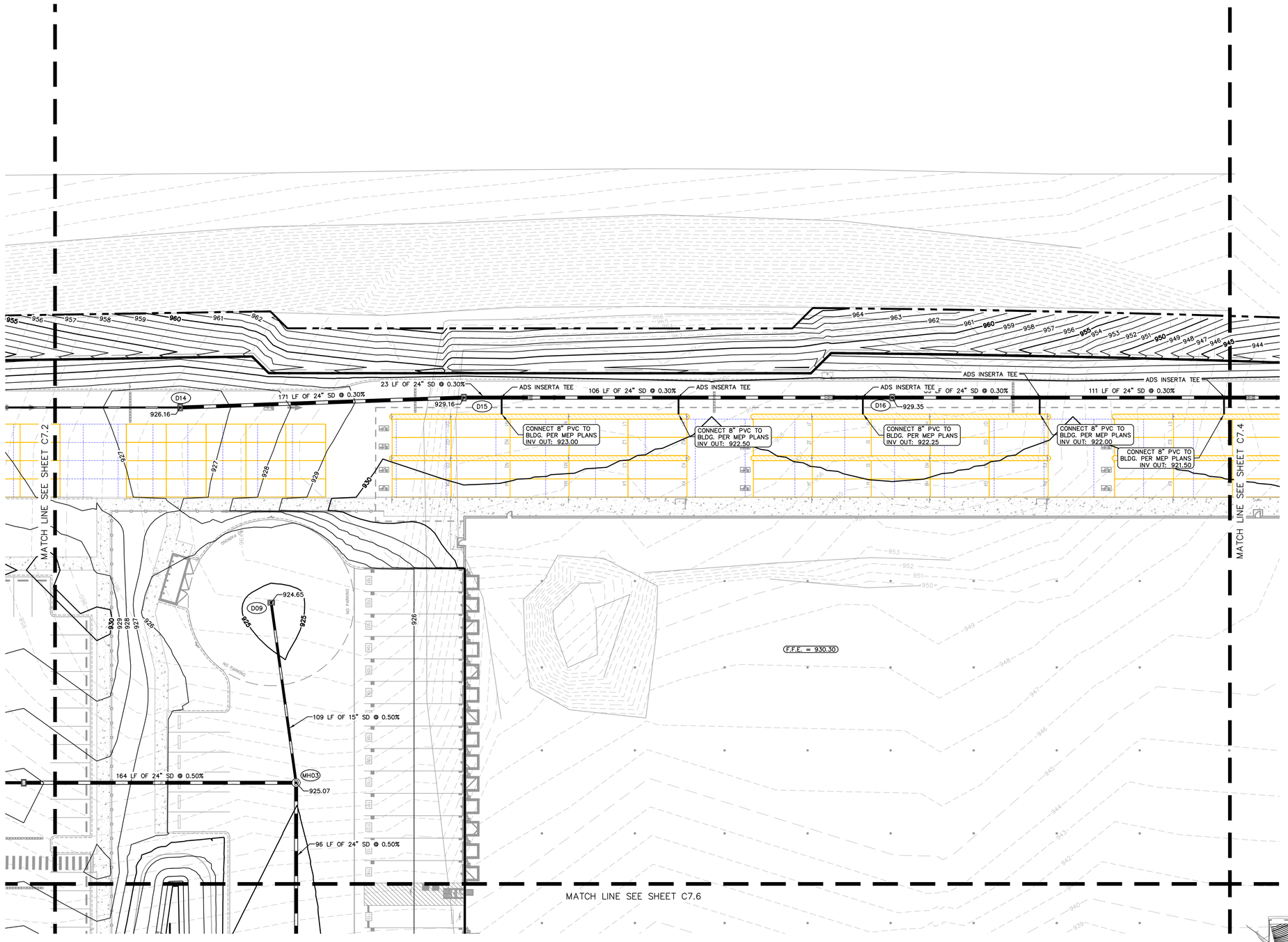
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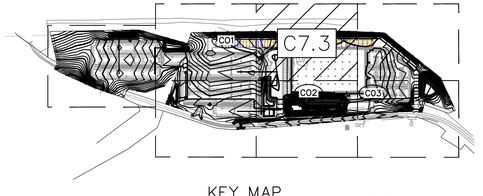
DRAINAGE PLAN

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SHEET NUMBER
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KEY MAP
SCALE: 1"=500'

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND:

- PROPERTY LINE
- MATCH LINE
- 400 EXISTING CONTOUR
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- PROPOSED RIP-RAP
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STORM STRUCTURE TABLE

STRUCTURE NAME:	DETAILS:
D09	STORM INLET PER NYSDOT INDEX 604-02 W/ 30"X30" GRATE TOP: 924.65 SE. INV OUT: 921.00 (15" SD)
D14	STORM INLET PER NYSDOT INDEX 604-02 W/ 30"X30" GRATE TOP: 926.16 W. INV IN: 922.21 (10" PVC) E. INV OUT: 922.21 (24" SD)
D15	STORM INLET PER NYSDOT INDEX 604-02 W/ 30"X30" GRATE TOP: 929.16 W. INV IN: 921.70 (24" SD) E. INV OUT: 921.70 (24" SD)
D16	STORM INLET PER NYSDOT INDEX 604-02 W/ 30"X30" GRATE TOP: 929.35 W. INV IN: 920.93 (24" SD) E. INV OUT: 920.93 (24" SD)
MH03	STORM MANHOLE PER NYSDOT INDEX 604-02 TOP: 925.07 NW. INV IN: 920.45 (15" SD) W. INV IN: 920.45 (24" SD) S. INV OUT: 920.45 (24" SD)

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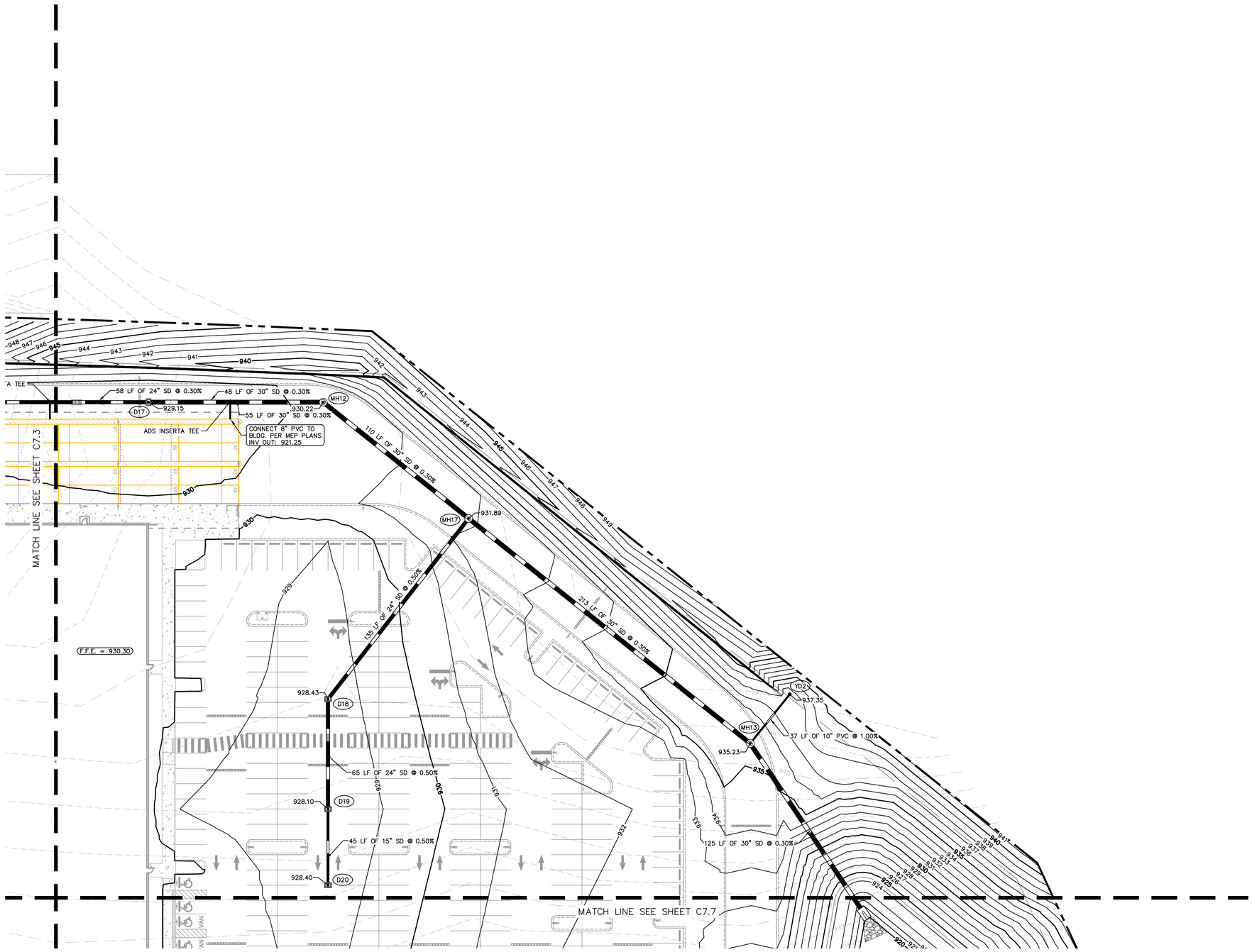
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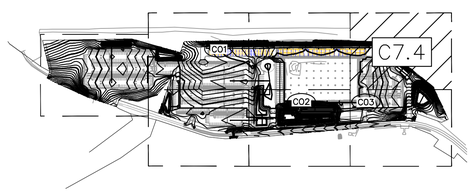
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DRAINAGE PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C7.3





KEY MAP
SCALE: 1"=500'

GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

LEGEND:

- PROPERTY LINE
- MATCH LINE
- 400 EXISTING CONTOUR
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- PROPOSED RIP-RAP
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STORM STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
D17	STORM INLET PER NYSDOT INDEX 604-02 W/ 30"X30" GRATE TOP: 929.15 W. INV IN: 920.15 (24" SD) E. INV OUT: 920.15 (30" SD)
D18	STORM INLET PER NYSDOT INDEX 604-02 W/ 30"X30" GRATE TOP: 928.43 S. INV IN: 921.20 (24" SD) N. INV OUT: 921.20 (24" SD)
D19	STORM INLET PER NYSDOT INDEX 604-02 W/ 30"X30" GRATE TOP: 928.10 S. INV IN: 921.52 (15" SD) N. INV OUT: 921.52 (24" SD)
D20	STORM INLET PER NYSDOT INDEX 604-02 W/ 30"X30" GRATE TOP: 928.40 N. INV OUT: 921.75 (15" SD)
MH12	STORM MANHOLE PER NYSDOT INDEX 604-02 TOP: 930.22 W. INV IN: 919.84 (30" SD) E. INV OUT: 919.84 (30" SD)
MH13	STORM MANHOLE PER NYSDOT INDEX 604-02 TOP: 935.23 N. INV IN: 930.63 (10" PVC) W. INV IN: 918.87 (30" SD) SE. INV OUT: 918.87 (30" SD)
MH17	STORM MANHOLE PER NYSDOT INDEX 604-02 TOP: 931.89 S. INV IN: 920.52 (24" SD) W. INV IN: 919.51 (30" SD) E. INV OUT: 919.51 (30" SD)
YD2	10" ADS NYLOPLAST DRAIN BASIN TOP: 937.35 S. INV OUT: 931.00 (10" PVC)

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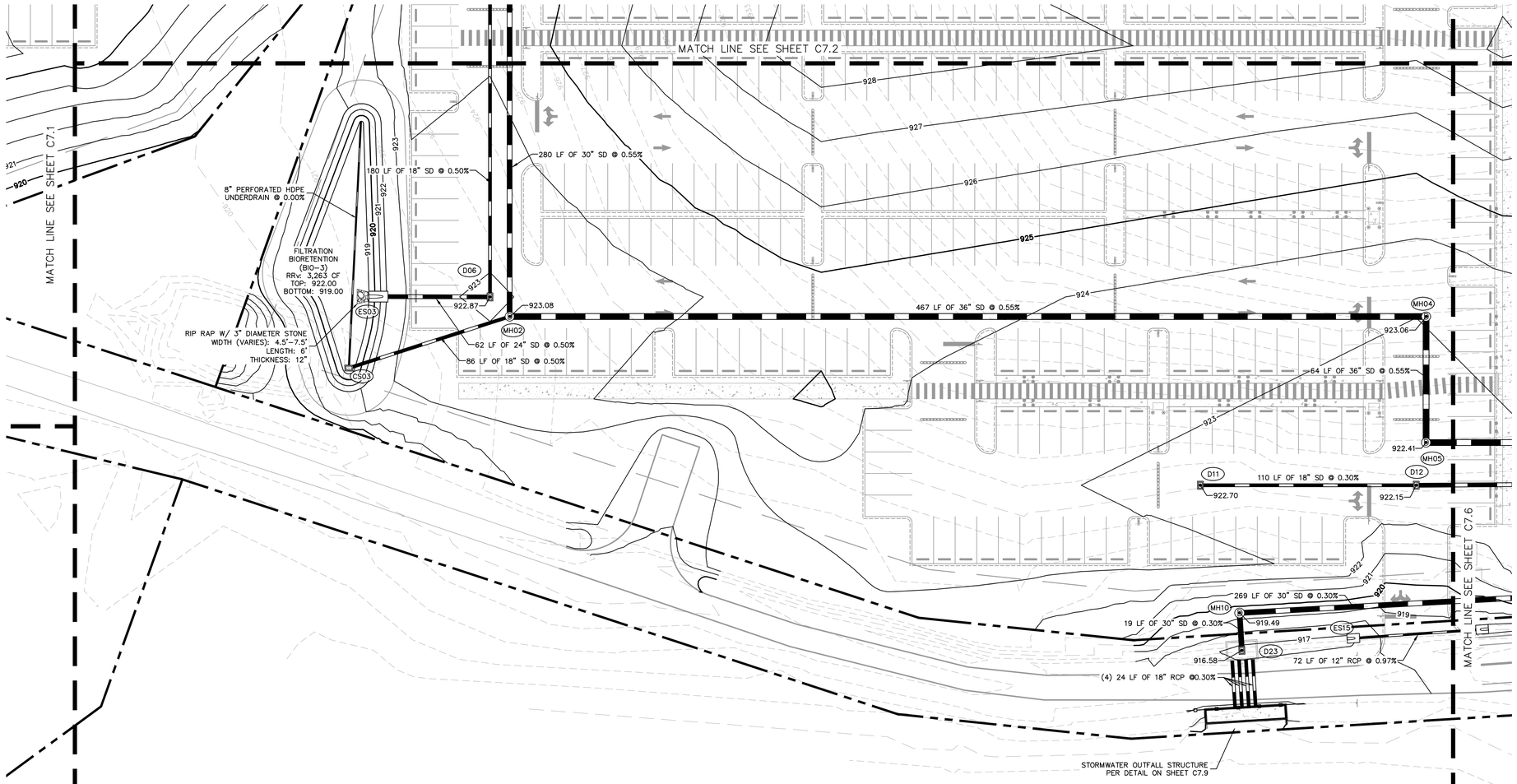
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DRAINAGE PLAN

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TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
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NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND:

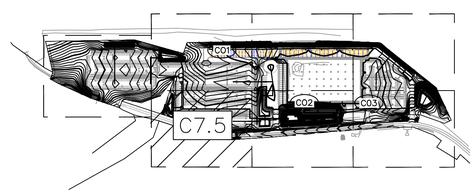
- PROPERTY LINE
- MATCH LINE
- EXISTING CONTOUR
- 400 PROPOSED CONTOUR
- PROPOSED RIP-RAP
- PROPOSED STORM PIPE
- PROPOSED STORM STRUCTURES

GENERAL NOTES

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STORM STRUCTURE TABLE

STRUCTURE NAME:	DETAILS:
D06	STORM INLET PER NYSDOT INDEX 604-02 W/ 30"X30" GRATE TOP: 922.87 N. INV IN: 919.31 (18" SD) W. INV OUT: 919.31 (24" SD)
D11	STORM INLET PER NYSDOT INDEX 604-02 W/ 30"X30" GRATE TOP: 922.70 E. INV OUT: 919.06 (18" SD)
D12	STORM INLET PER NYSDOT INDEX 604-02 W/ 30"X30" GRATE TOP: 922.15 W. INV IN: 918.73 (18" SD) E. INV OUT: 918.73 (24" SD)
MH02	STORM MANHOLE PER NYSDOT INDEX 604-02 TOP: 923.08 N. INV IN: 914.66 (30" SD) SW. INV IN: 914.99 (18" SD) E. INV OUT: 914.66 (36" SD)
MH04	STORM MANHOLE PER NYSDOT INDEX 604-02 TOP: 923.06 W. INV IN: 912.09 (36" SD) S. INV OUT: 912.09 (36" SD)
MH05	STORM MANHOLE PER NYSDOT INDEX 604-02 TOP: 922.41 N. INV IN: 911.74 (36" SD) E. INV OUT: 911.74 (36" SD)
MH10	STORM MANHOLE PER NYSDOT INDEX 604-02 TOP: 919.49 NE. INV IN: 914.02 (30" SD) SE. INV OUT: 912.25 (30" SD)
ES03	END SECTION PER NYSDOT INDEX 603-02 E. INV IN: 919.00 (24" SD)
ES15	END SECTION PER NYSDOT INDEX 603-02 NE. INV IN: 916.04 (12" RCP)
CS03	CS03 SEE DETAIL, SHEET C7.8



KEY MAP
SCALE: 1"=500'

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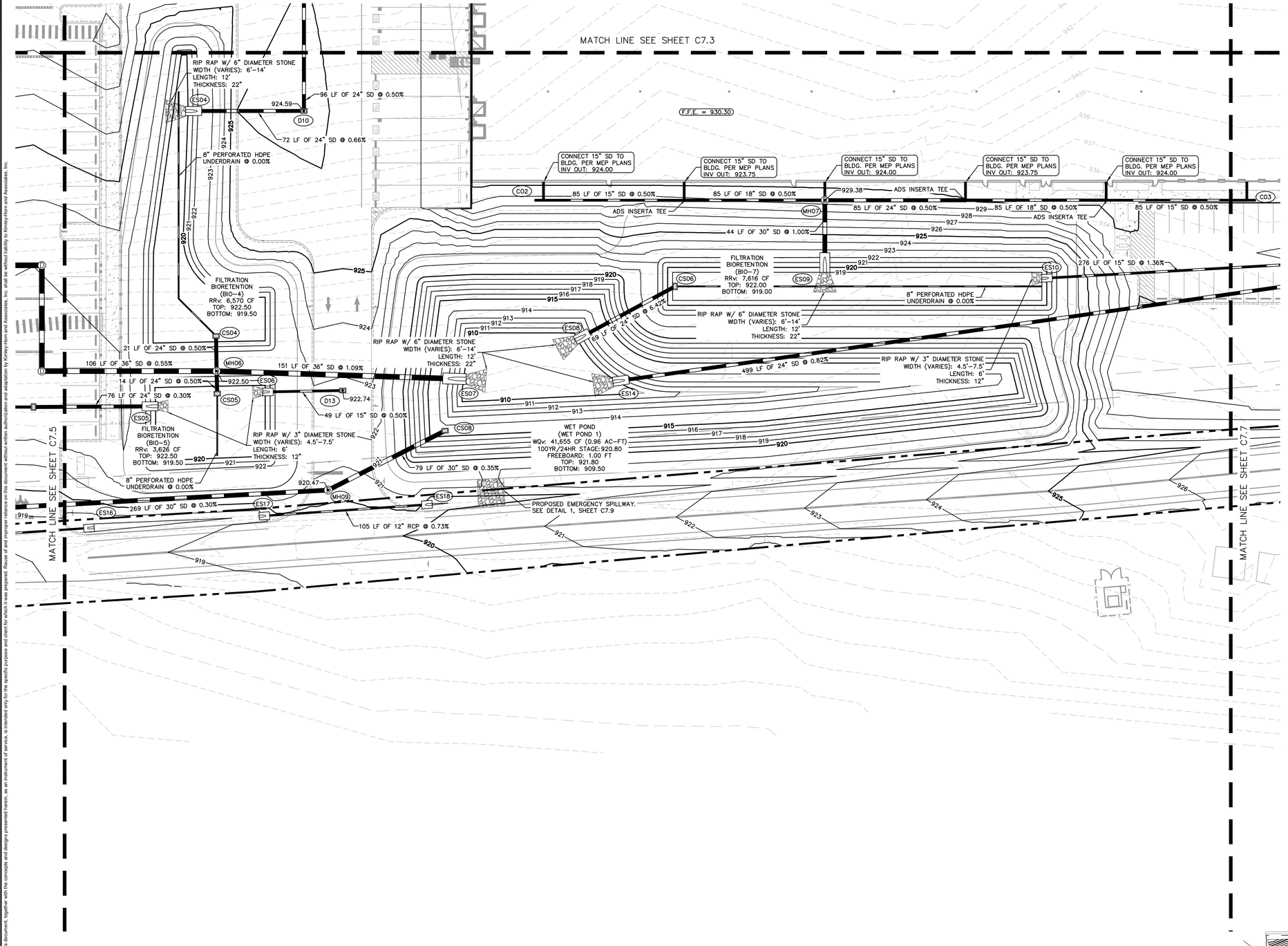
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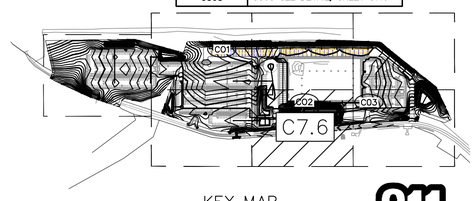
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DRAINAGE PLAN

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LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C7.5





KEY MAP
SCALE: 1"=500'

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND:

- PROPERTY LINE
- MATCH LINE
- 400 EXISTING CONTOUR
- 400 PROPOSED CONTOUR
- PROPOSED RIP-RAP
- PROPOSED STORM PIPE
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STORM STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
C02	CLEAN OUT TOP: 928.65 E. INV OUT: 923.88 (15" SD)
D10	STORM INLET PER NYSDOT INDEX 604-02 W/ 30"X30" GRATE TOP: 924.59 N. INV IN: 919.97 (24" SD) W. INV OUT: 919.97 (24" SD)
D13	STORM INLET PER NYSDOT INDEX 604-02 W/ 30"X30" GRATE TOP: 922.74 W. INV OUT: 918.74 (15" SD)
MH06	STORM MANHOLE PER NYSDOT INDEX 604-02 TOP: 922.50 W. INV IN: 911.16 (36" SD) S. INV IN: 915.85 (24" SD) N. INV IN: 914.31 (24" SD) E. INV OUT: 911.16 (36" SD)
MH07	STORM MANHOLE PER NYSDOT INDEX 604-02 TOP: 929.38 E. INV IN: 923.00 (24" SD) W. INV IN: 923.00 (18" SD) N. INV IN: 923.89 (15" SD) S. INV OUT: 919.44 (30" SD)
MH09	STORM MANHOLE PER NYSDOT INDEX 604-02 TOP: 920.47 NE. INV IN: 914.82 (30" SD) SW. INV OUT: 914.82 (30" SD)
ES04	END SECTION PER NYSDOT INDEX 603-02 E. INV IN: 919.50 (24" SD)
ES05	END SECTION PER NYSDOT INDEX 603-02 W. INV IN: 918.50 (24" SD)
ES06	END SECTION PER NYSDOT INDEX 603-02 E. INV IN: 918.50 (15" SD)
ES07	MITERED END SECTION PER FDOT INDEX #430-021 W. INV IN: 909.50 (36" SD)
ES08	MITERED END SECTION PER FDOT INDEX #430-021 NE. INV IN: 909.50 (24" SD)
ES09	END SECTION PER NYSDOT INDEX 603-02 N. INV IN: 919.00 (30" SD)
ES10	END SECTION PER NYSDOT INDEX 603-02 NE. INV IN: 919.00 (15" SD)
ES14	MITERED END SECTION PER FDOT INDEX #430-021 NE. INV IN: 909.50 (24" SD)
ES16	END SECTION PER NYSDOT INDEX 603-02 SW. INV OUT: 916.74 (12" RCP)
ES17	END SECTION PER NYSDOT INDEX 603-02 NE. INV IN: 917.36 (12" RCP)
ES18	END SECTION PER NYSDOT INDEX 603-02 SW. INV OUT: 918.13 (12" RCP)
CS04	CS04 SEE DETAIL, SHEET C7.8
CS05	CS05 SEE DETAIL, SHEET C7.9
CS06	CS06 SEE DETAIL, SHEET C7.9
CS08	CS08 SEE DETAIL, SHEET C7.9

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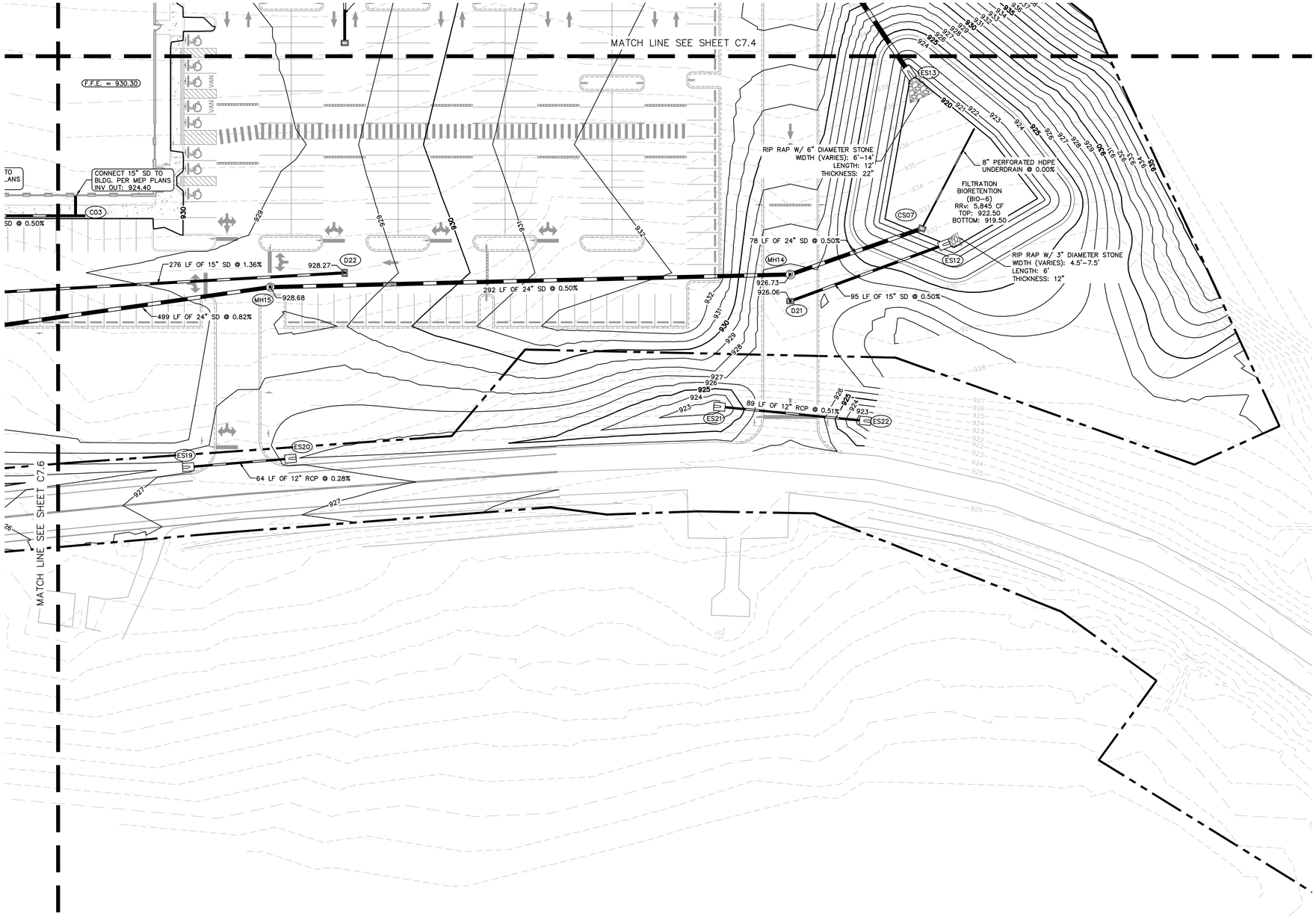
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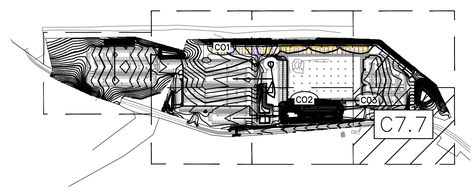
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2. THE VERTICAL DATUM IS BASED ON NAVD88.
3. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER SITE FEAUTURES ARE SHOWN BASED ON THE INFORMATION PROVIDED BY THE TOPOGRAPHIC SURVEY PROVIDED BY FAGAN ENGINEERS & LAND SURVEYORS, P.C. DATED OCTOBER 1, 2025

STORM STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
C03	CLEAN OUT TOP: 930.19 W. INV OUT: 924.30 (15" SD)
D21	STORM INLET PER NYSDOT INDEX 604-02 W/ 30"X30" GRATE TOP: 926.06 NE. INV OUT: 919.98 (15" SD)
D22	STORM INLET PER NYSDOT INDEX 604-02 W/ 30"X30" GRATE TOP: 928.27 SW. INV OUT: 922.75 (15" SD)
MH14	STORM MANHOLE PER NYSDOT INDEX 604-02 TOP: 926.73 NE. INV IN: 915.53 (24" SD) W. INV OUT: 915.53 (24" SD)
MH15	STORM MANHOLE PER NYSDOT INDEX 604-02 TOP: 928.68 E. INV IN: 914.07 (24" SD) SW. INV OUT: 913.58 (24" SD)
ES12	END SECTION PER NYSDOT INDEX 603-02 SW. INV IN: 919.50 (15" SD)
ES13	END SECTION PER NYSDOT INDEX 603-02 NW. INV IN: 918.50 (30" SD)
ES19	END SECTION PER NYSDOT INDEX 603-02 NE. INV OUT: 925.45 (12" RCP)
ES20	END SECTION PER NYSDOT INDEX 603-02 SW. INV IN: 925.27 (12" RCP)
ES21	END SECTION PER NYSDOT INDEX 603-02 E. INV OUT: 922.07 (12" RCP)
ES22	END SECTION PER NYSDOT INDEX 603-02 W. INV IN: 921.62 (12" RCP)
CS07	CS07 SEE DETAIL, SHEET C7.9



KEY MAP
SCALE: 1"=500'

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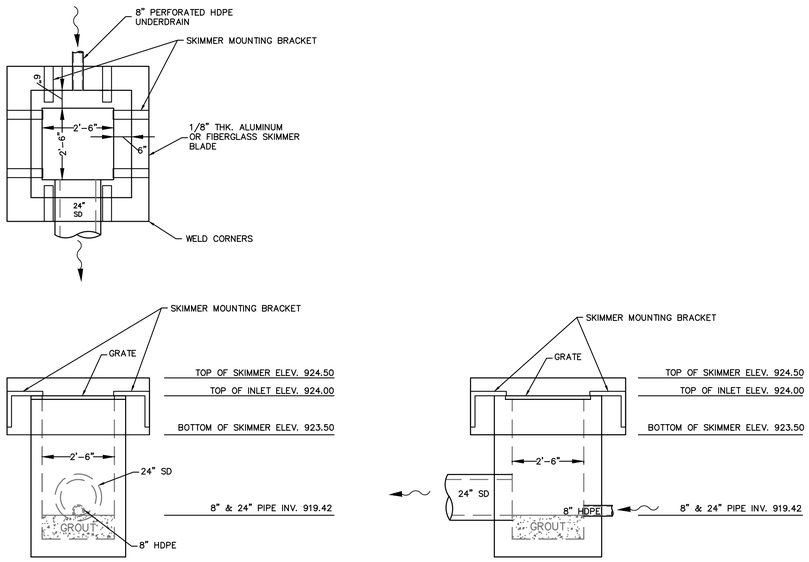
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DATE 1/15/2026
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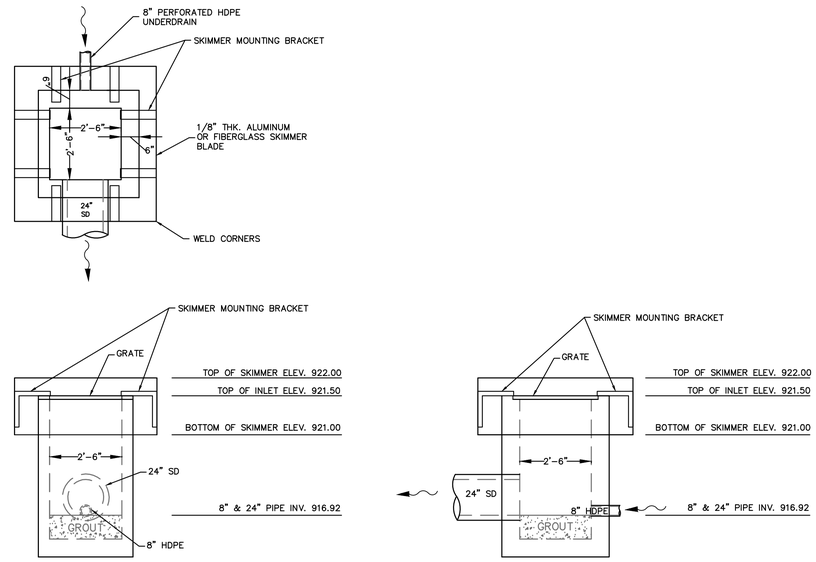
DRAINAGE PLAN

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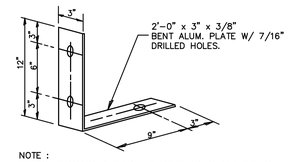
SHEET NUMBER
C7.7



CS01 DETAIL
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NYSDOT INDEX 604-02
N.T.S.

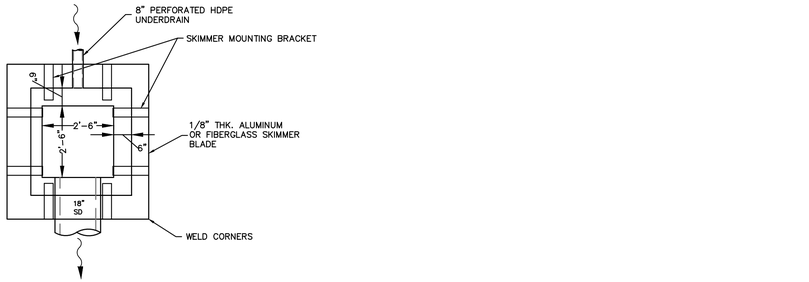


CS02 DETAIL
2.5'X2.5' GRATE INLET
NYSDOT INDEX 604-02
N.T.S.

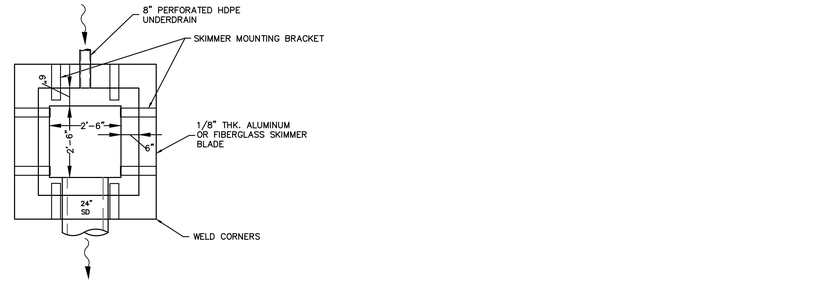


NOTE :
1. FASTEN SKIMMER BLADE TO MOUNTING STRAP W/3/8" GALV. BOLTS & FASTNERS.
2. FASTEN MOUNTING BRACKETS TO STRUCTURE W/3/8"x4" EXPAN. ANCHOR BOLT & FASTNERS.

SKIMMER MOUNTING BRACKET
NTS



CS03 DETAIL
2.5'X2.5' GRATE INLET
NYSDOT INDEX 604-02
N.T.S.



CS04 DETAIL
2.5'X2.5' GRATE INLET
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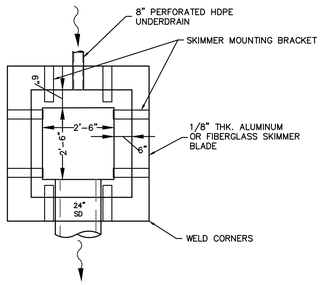
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DATE 1/15/2026
SCALE AS SHOWN
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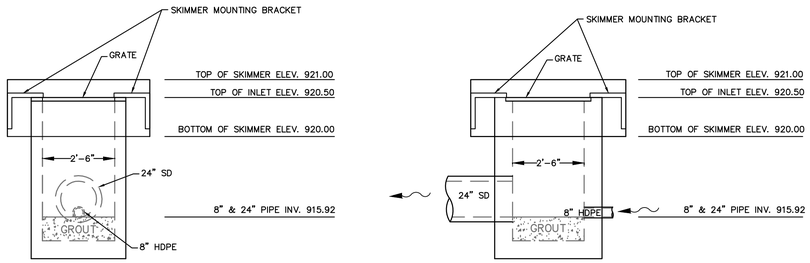
DRAINAGE DETAILS

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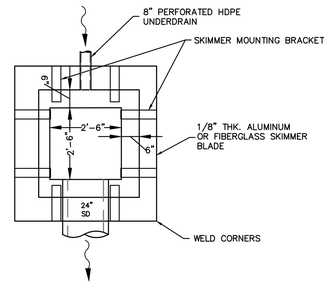
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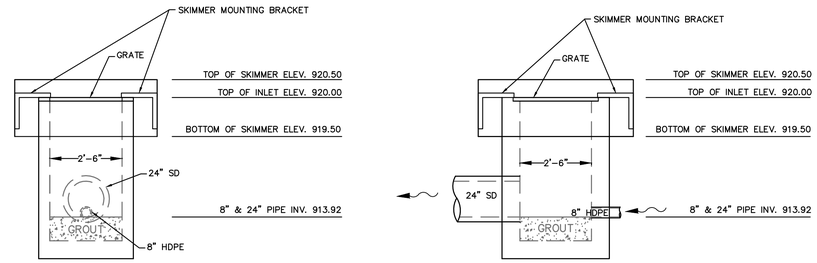
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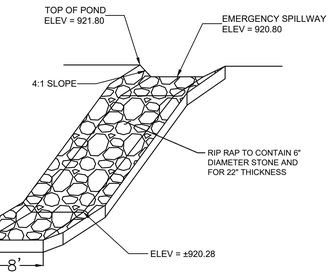


CS05 DETAIL
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NYSDOT INDEX 604-02
N.T.S.

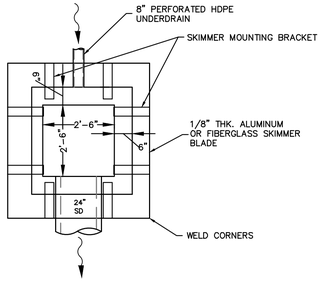


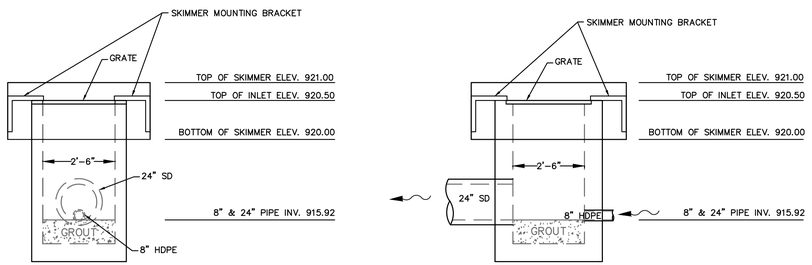


CS06 DETAIL
2.5'X2.5' GRATE INLET
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N.T.S.

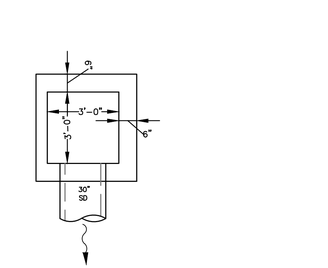


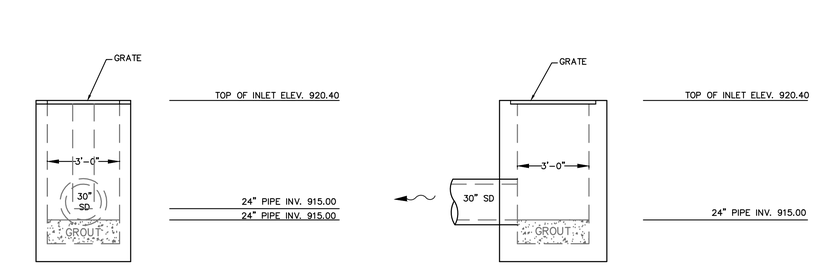
1.) EMERGENCY SPILLWAY RIP RAP
N.T.S.





CS07 DETAIL
2.5'X2.5' GRATE INLET
NYSDOT INDEX 604-02
N.T.S.





CS08 DETAIL
3'X3' GRATE INLET
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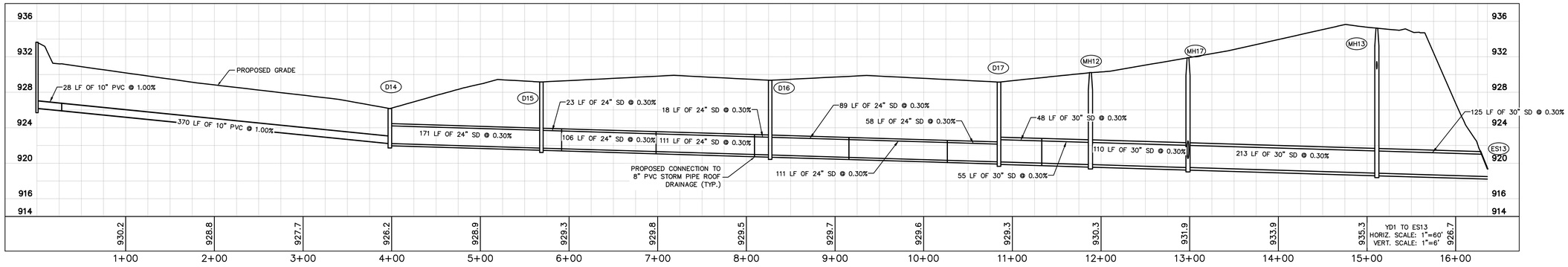
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DATE	1/15/2026
SCALE	AS SHOWN
DESIGNED BY	JDB
DRAWN BY	JDB
CHECKED BY	DL

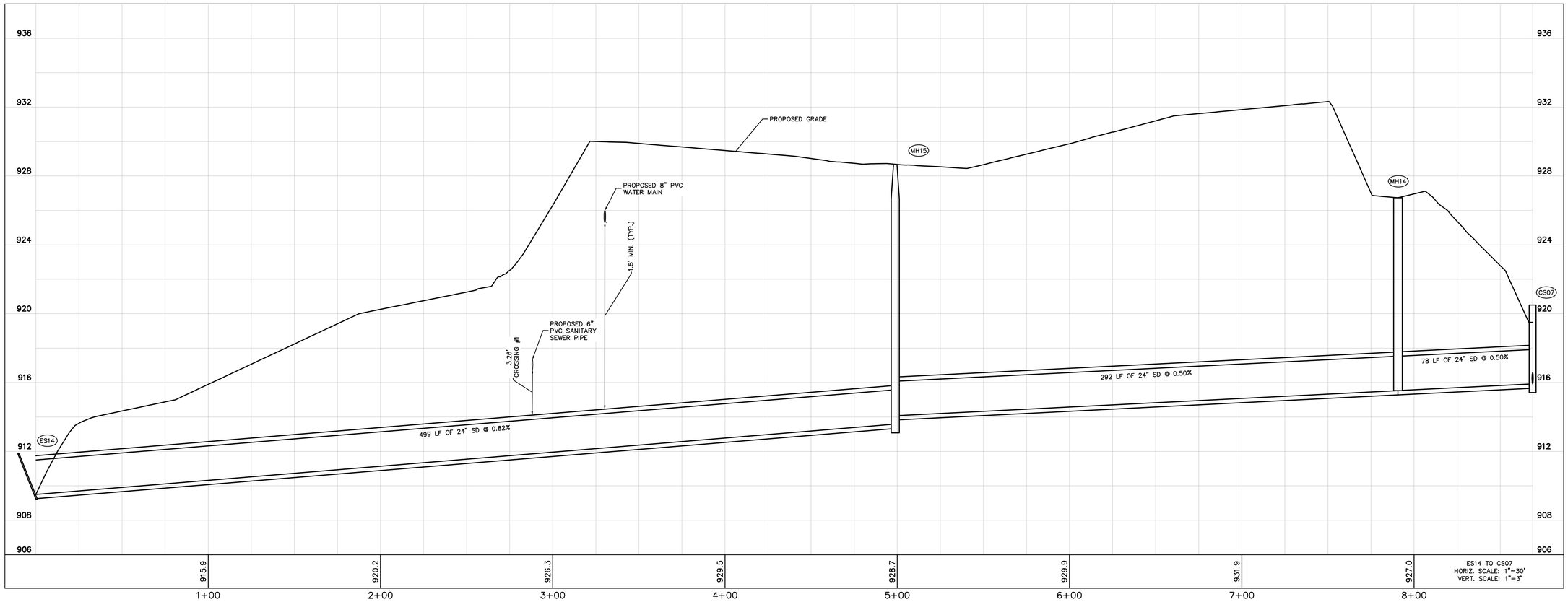
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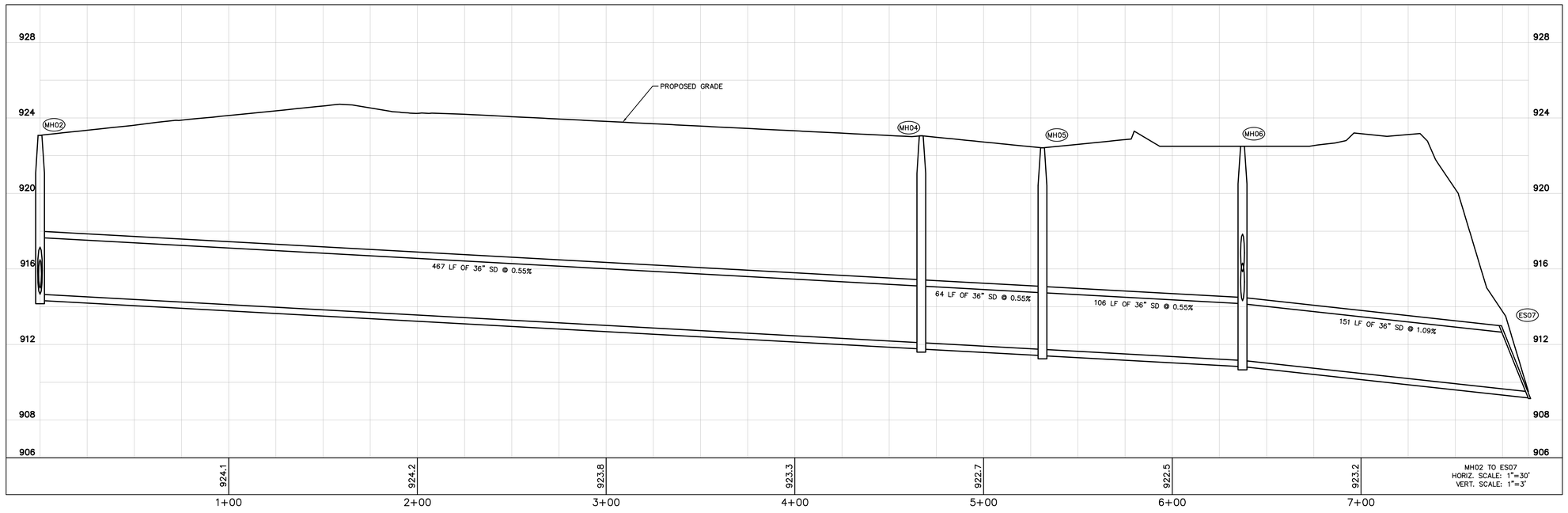
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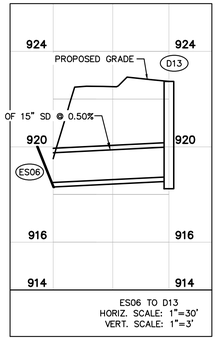
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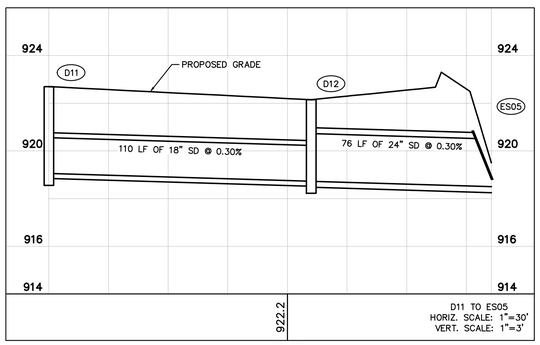
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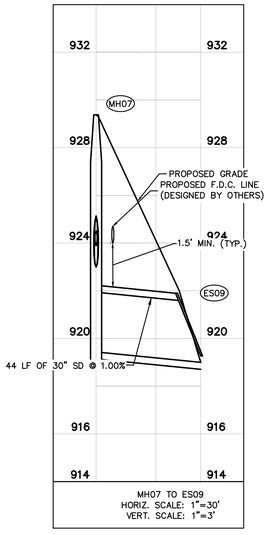
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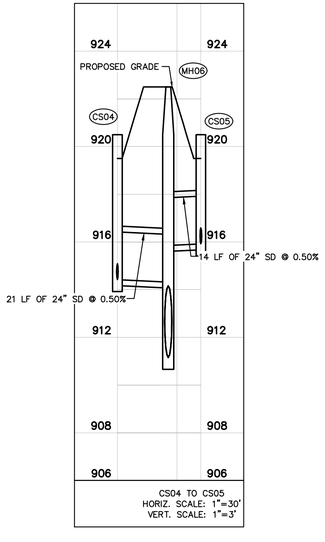
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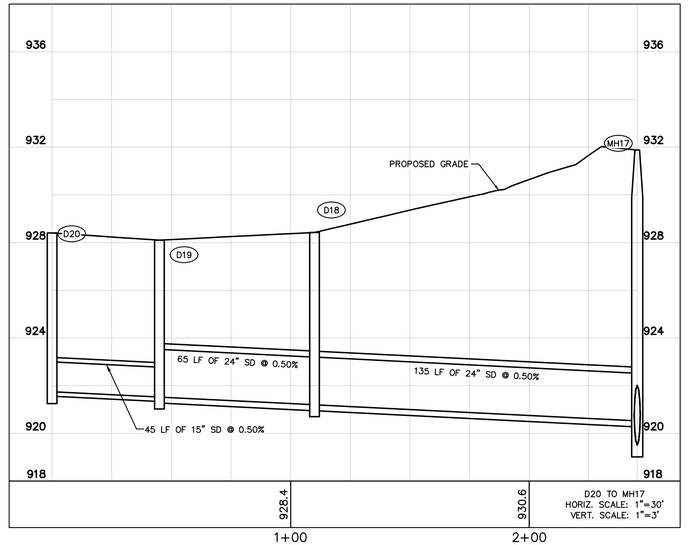












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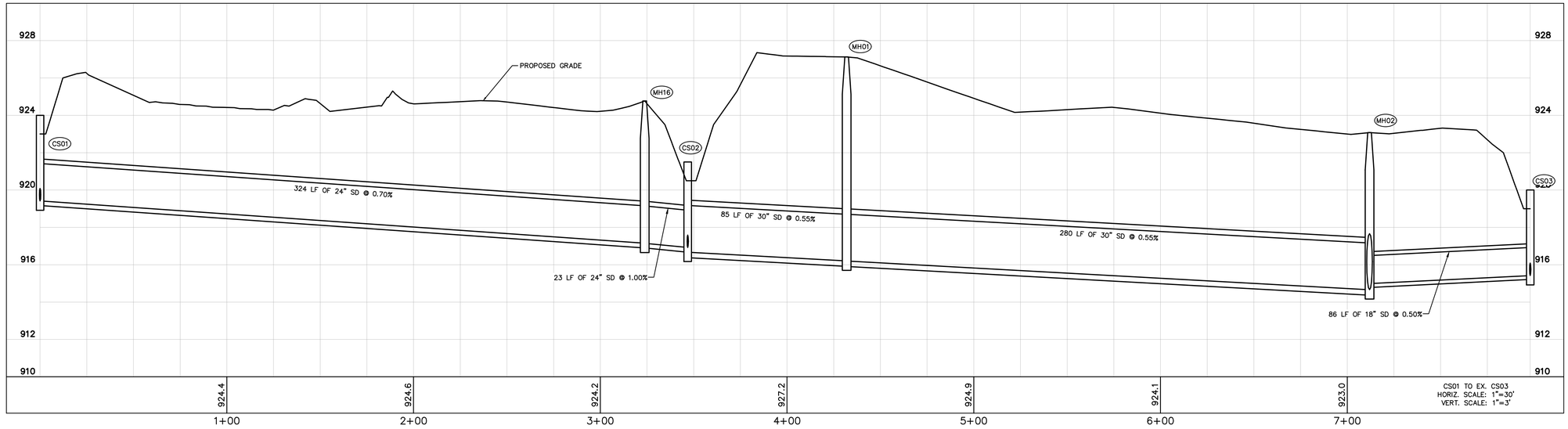
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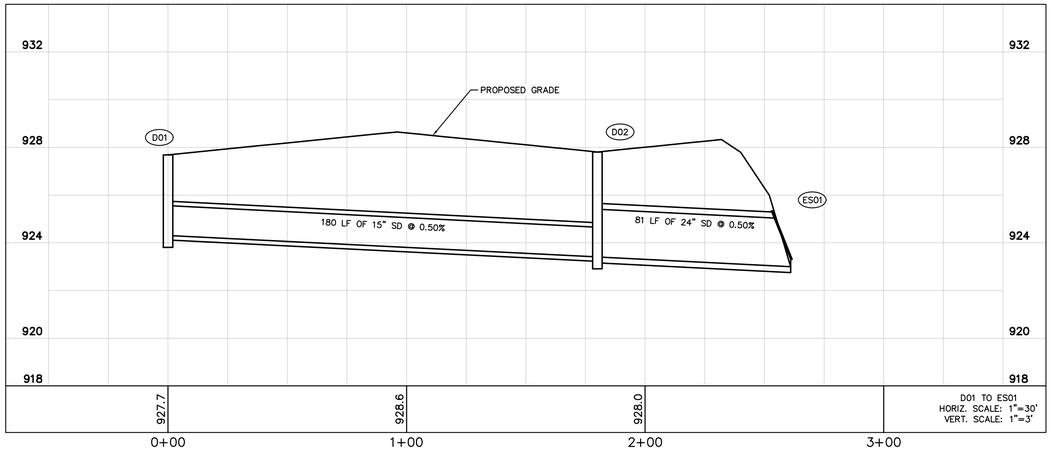
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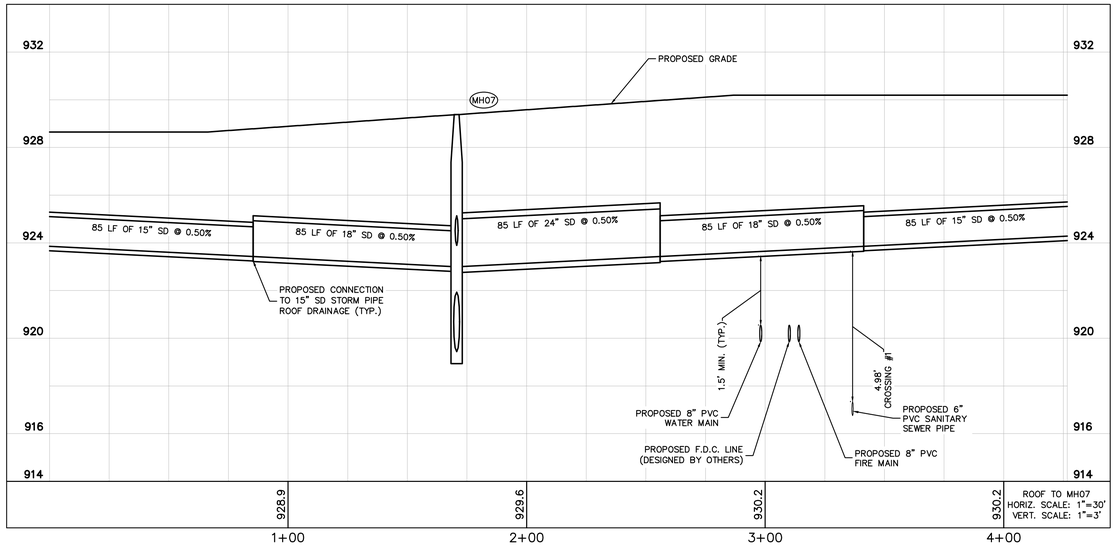
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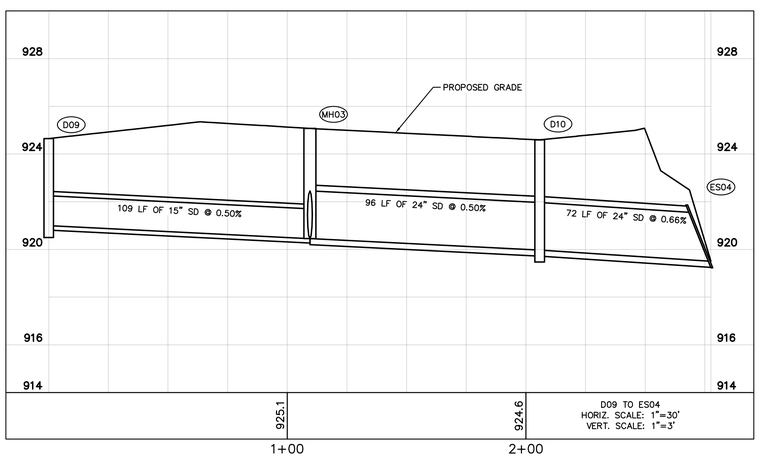
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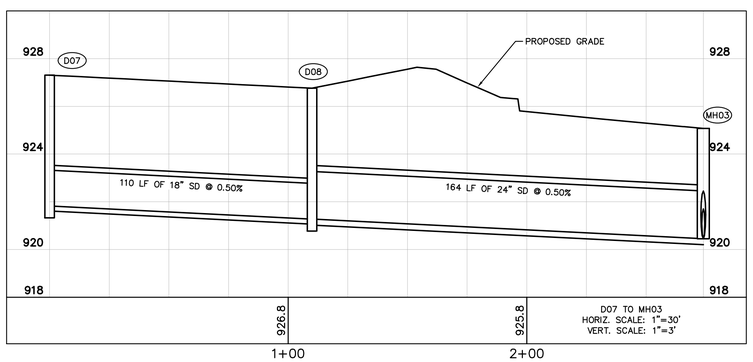
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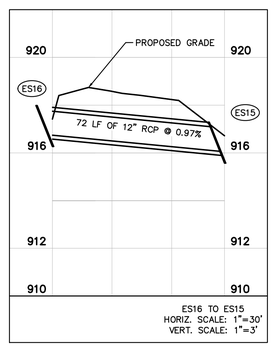












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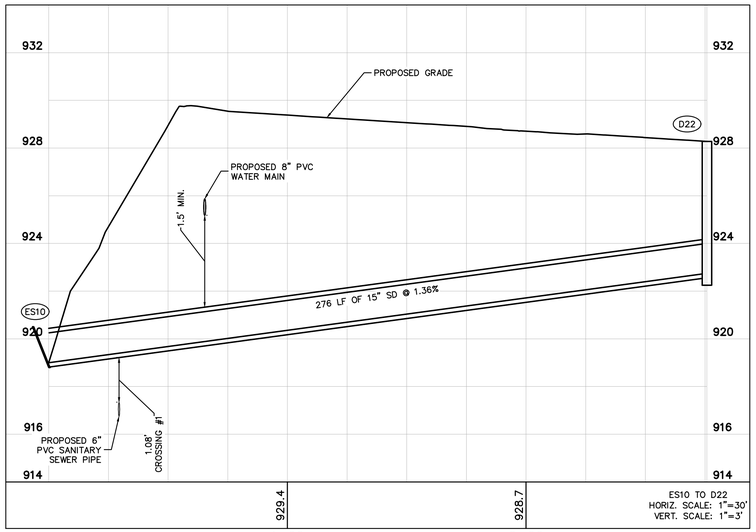
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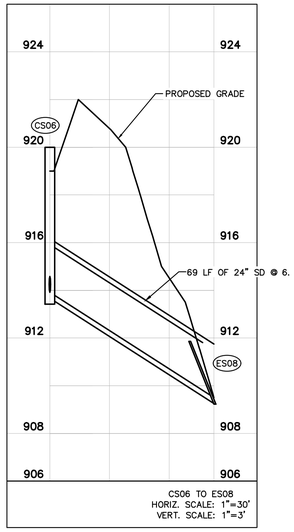
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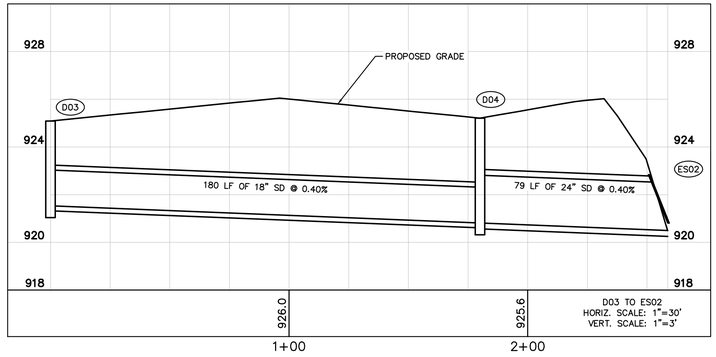
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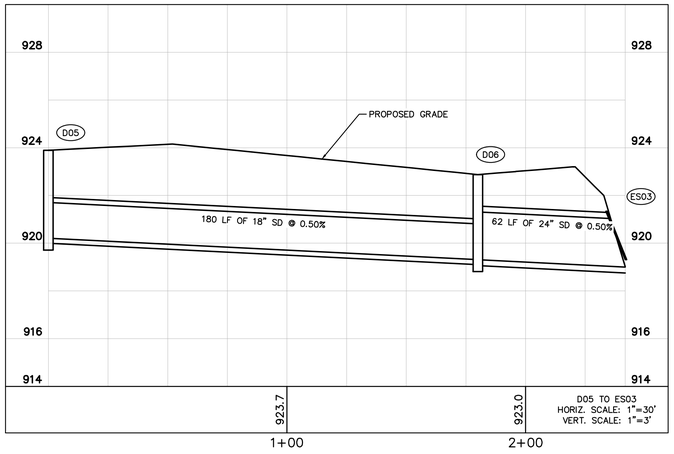
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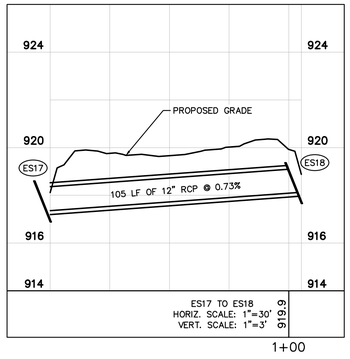
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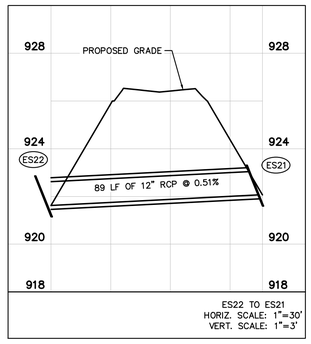


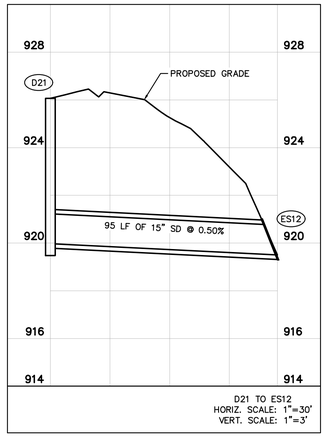


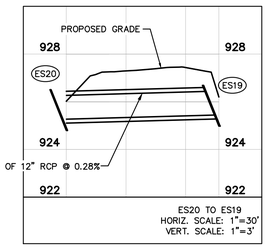


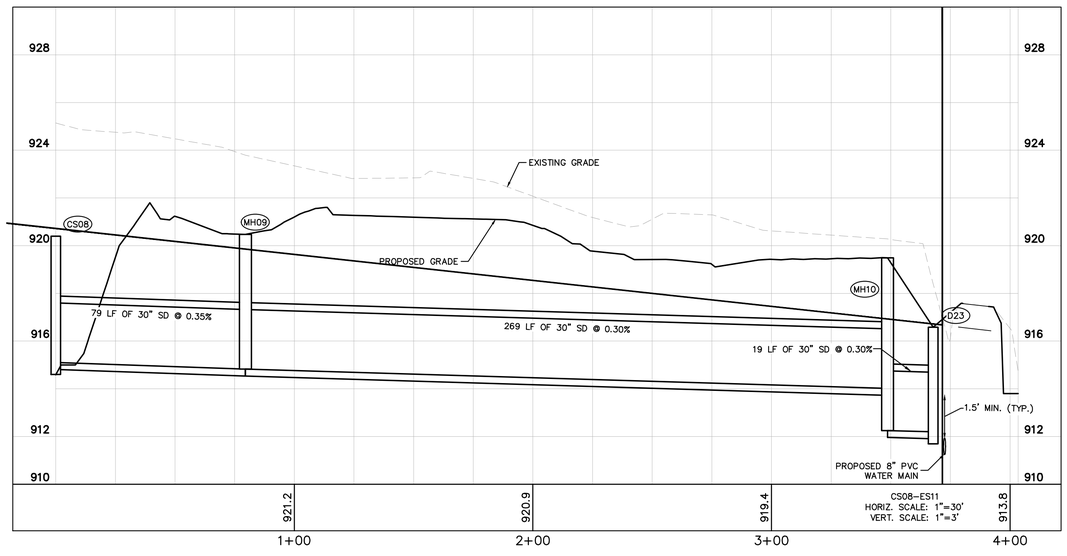












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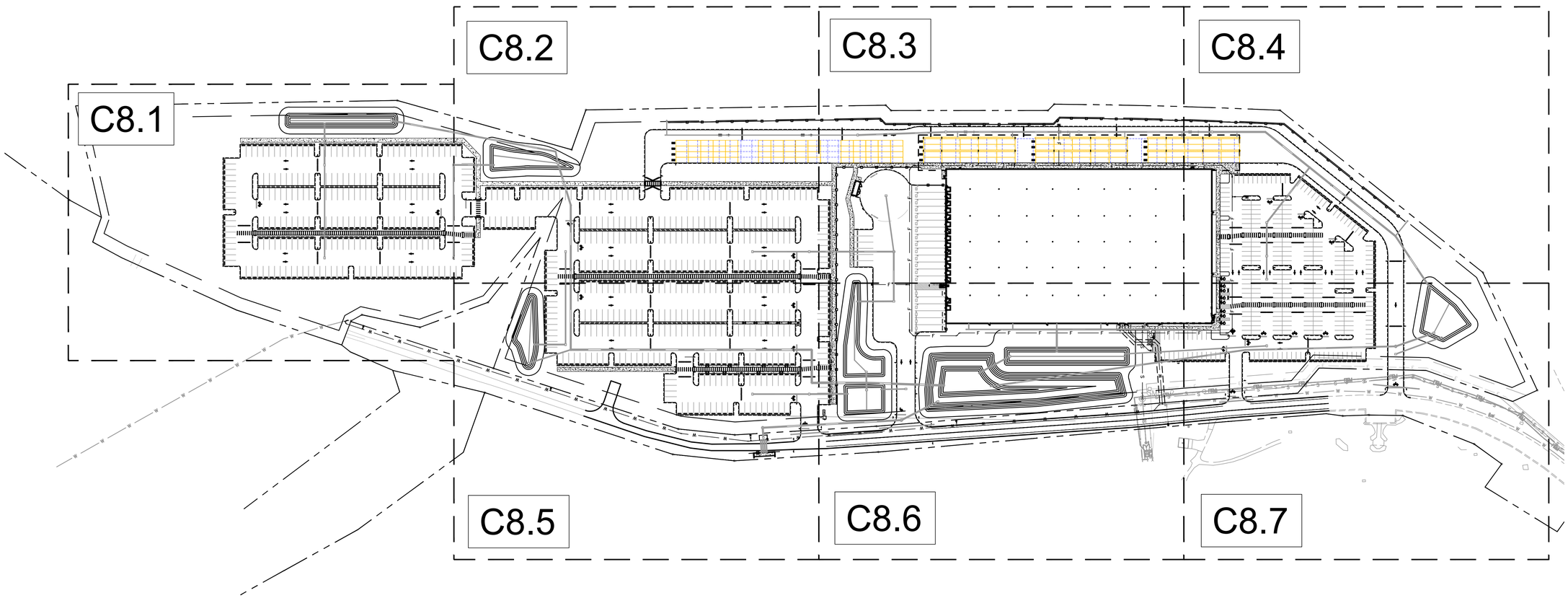
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DRAINAGE PROFILES

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
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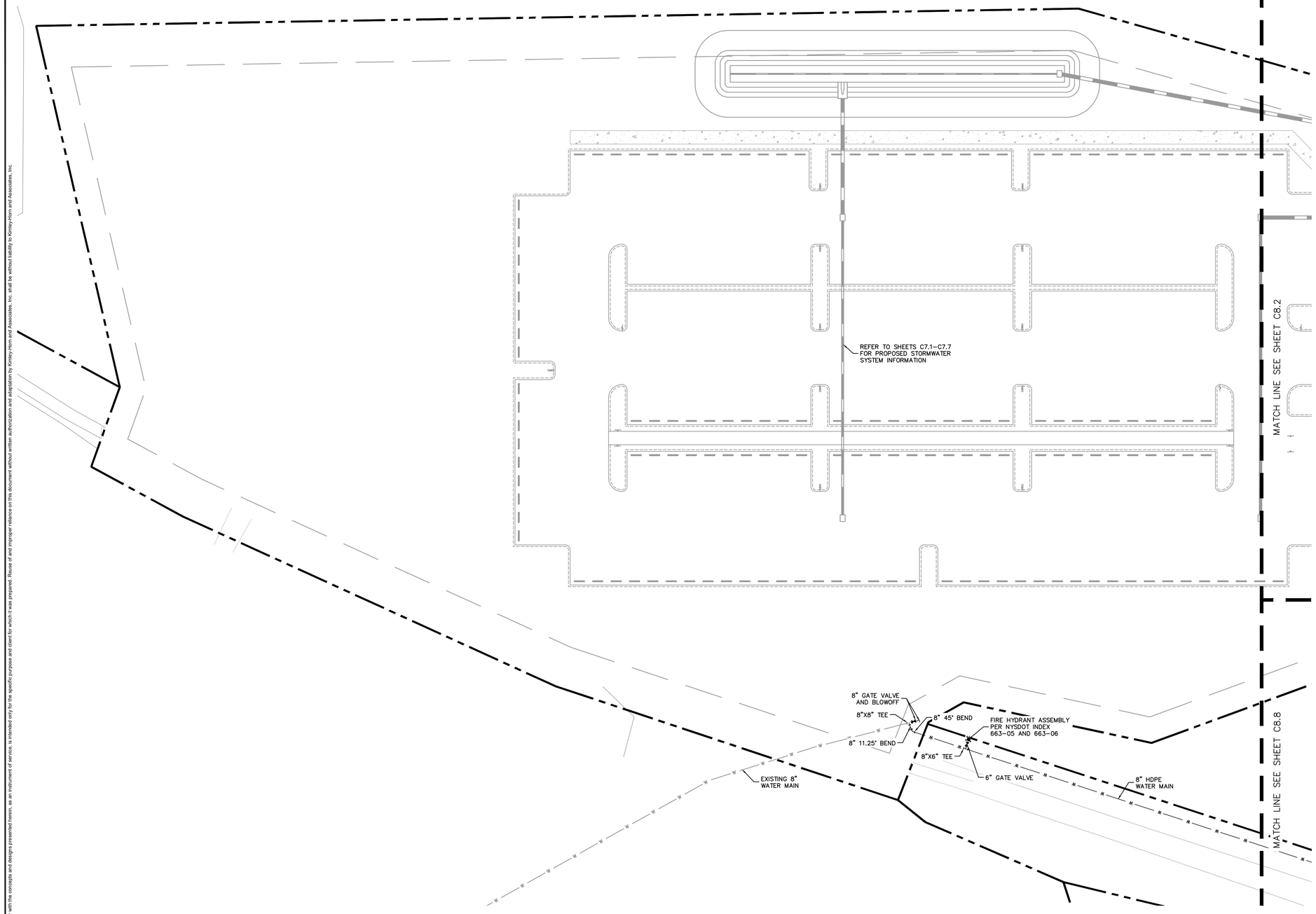
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OVERALL UTILITY PLAN

PROJECT MILO
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BIG FLATS, NY 14814
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SHEET NUMBER
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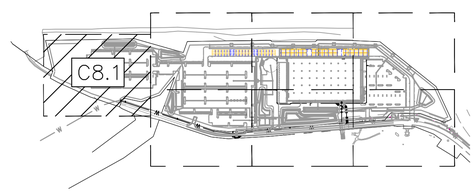
GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND:

- PROPERTY LINE
- MATCH LINE
- PROPOSED TOWN OF BIG FLATS UTILITY EASEMENT
- PROPOSED POTABLE WATER MAIN
- PROPOSED FIRE LINE (DESIGNED BY OTHERS)
- PROPOSED SANITARY SEWER LINE
- PROPOSED FIRE HYDRANT ASSEMBLY
- PROPOSED F.D.C.
- PROPOSED FITTINGS AND VALVES
- PROPOSED STORM PIPE
- EXISTING WATER MAIN
- EXISTING FORCE MAIN
- EXISTING SANITARY SEWER MAIN
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KEY MAP
SCALE: 1"=500'

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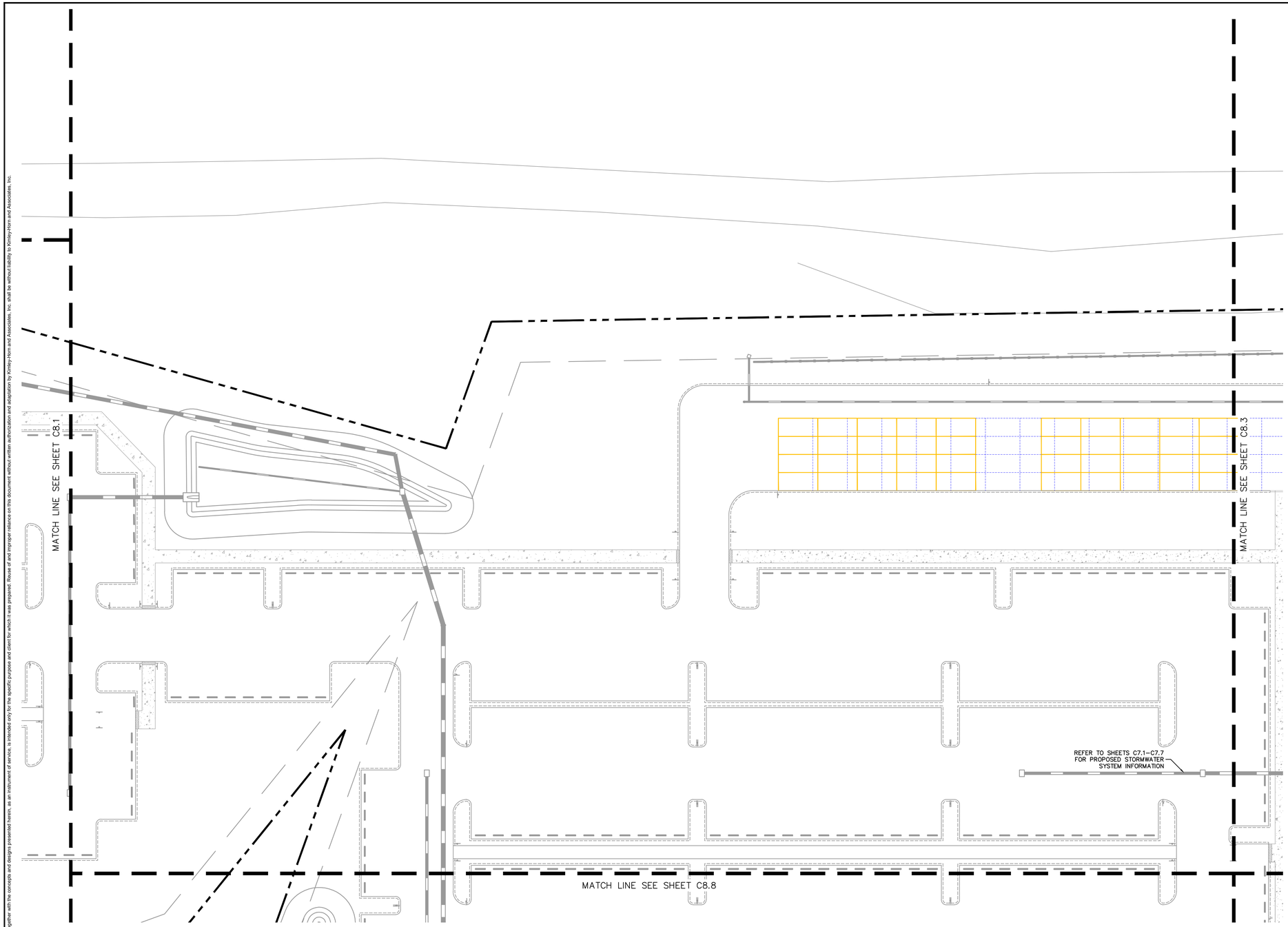
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UTILITY PLAN

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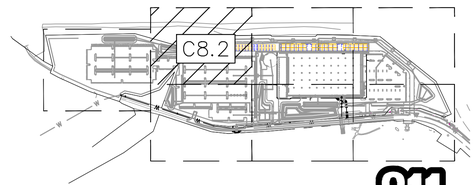
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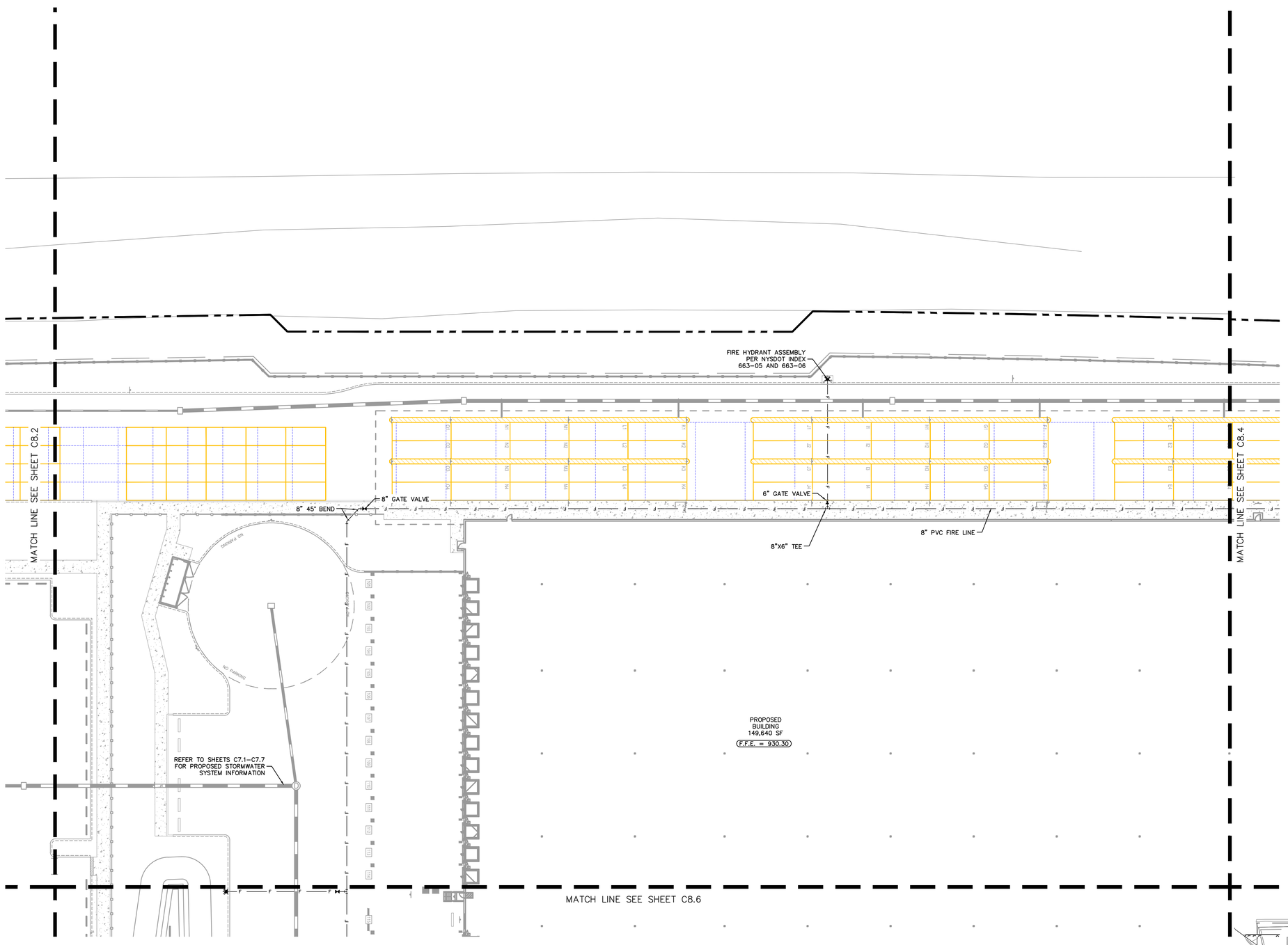
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UTILITY PLAN

PROJECT MILO
LOWE RD.
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SHEET NUMBER
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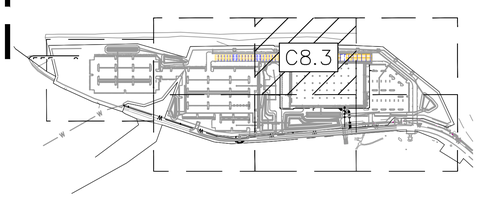
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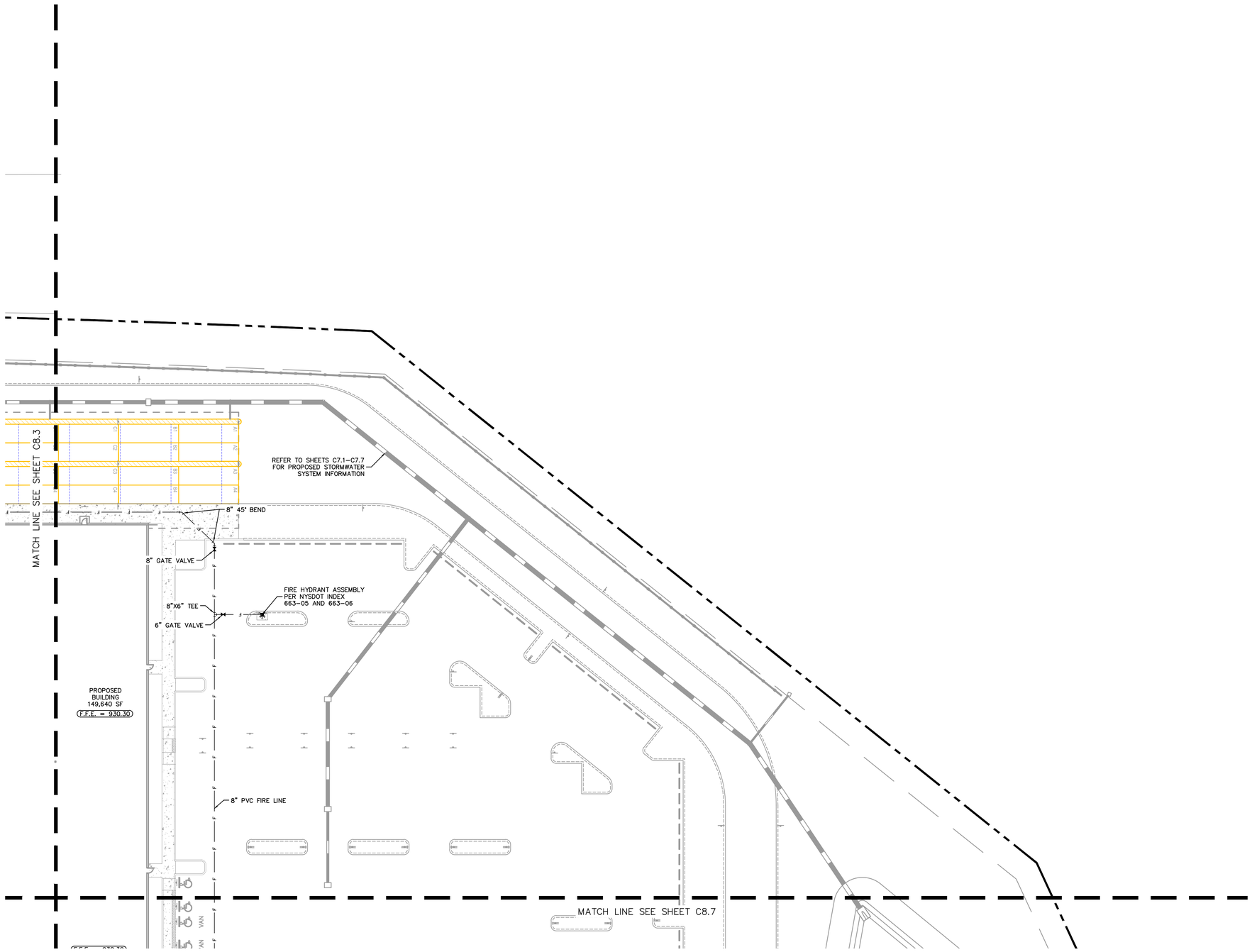
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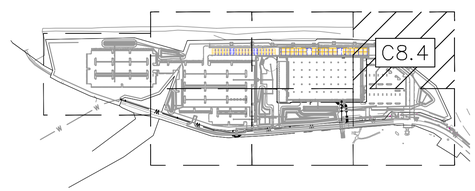
UTILITY PLAN

PROJECT MILO
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TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
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GRAPHIC SCALE IN FEET
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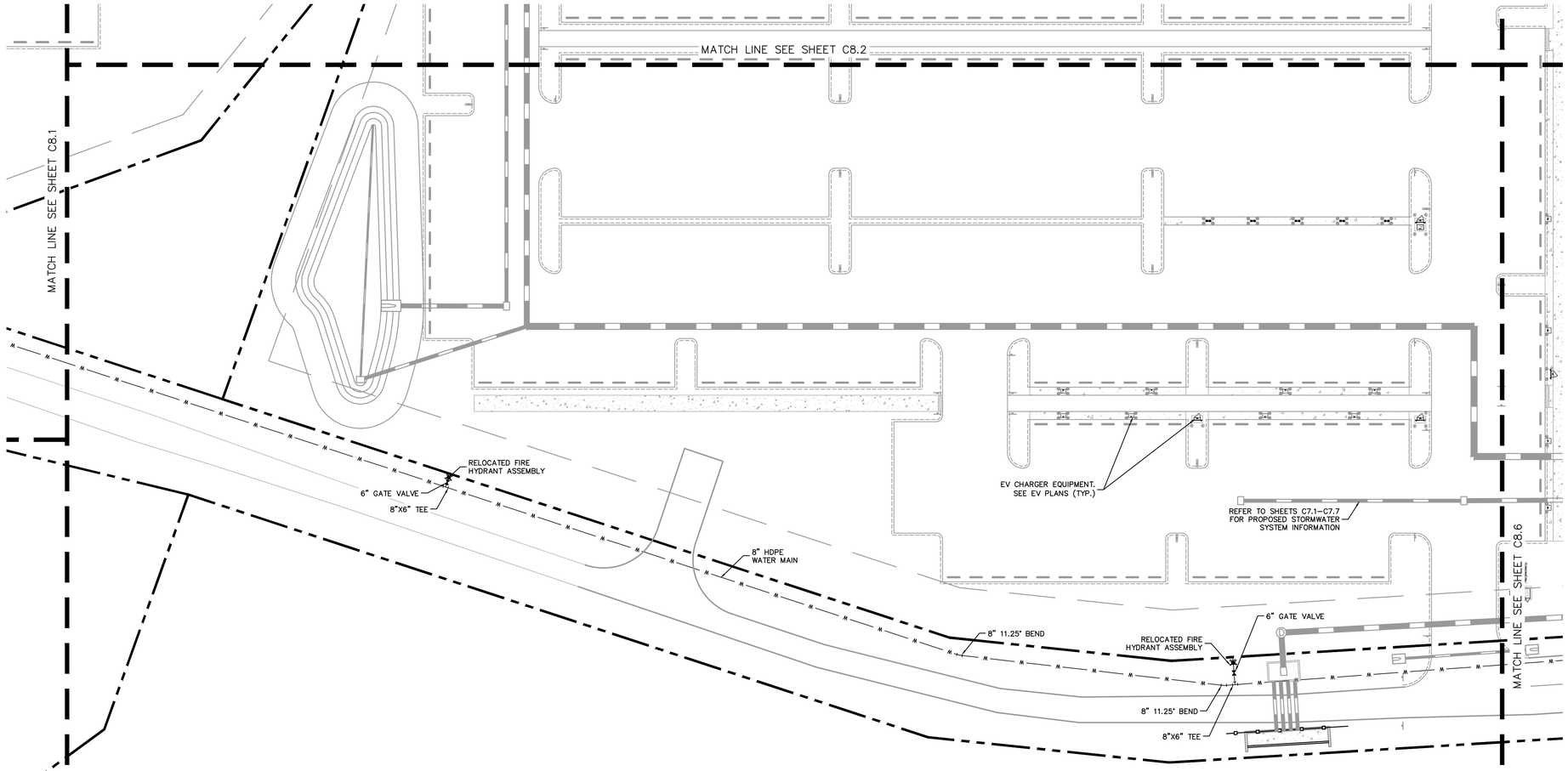
KHA PROJECT 249633002
DATE 1/15/2026
SCALE AS SHOWN
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UTILITY PLAN

PROJECT MILO
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SHEET NUMBER
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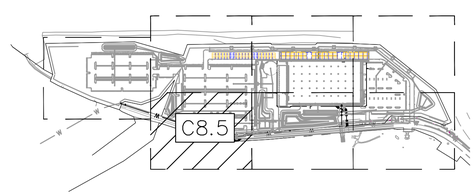
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KEY MAP
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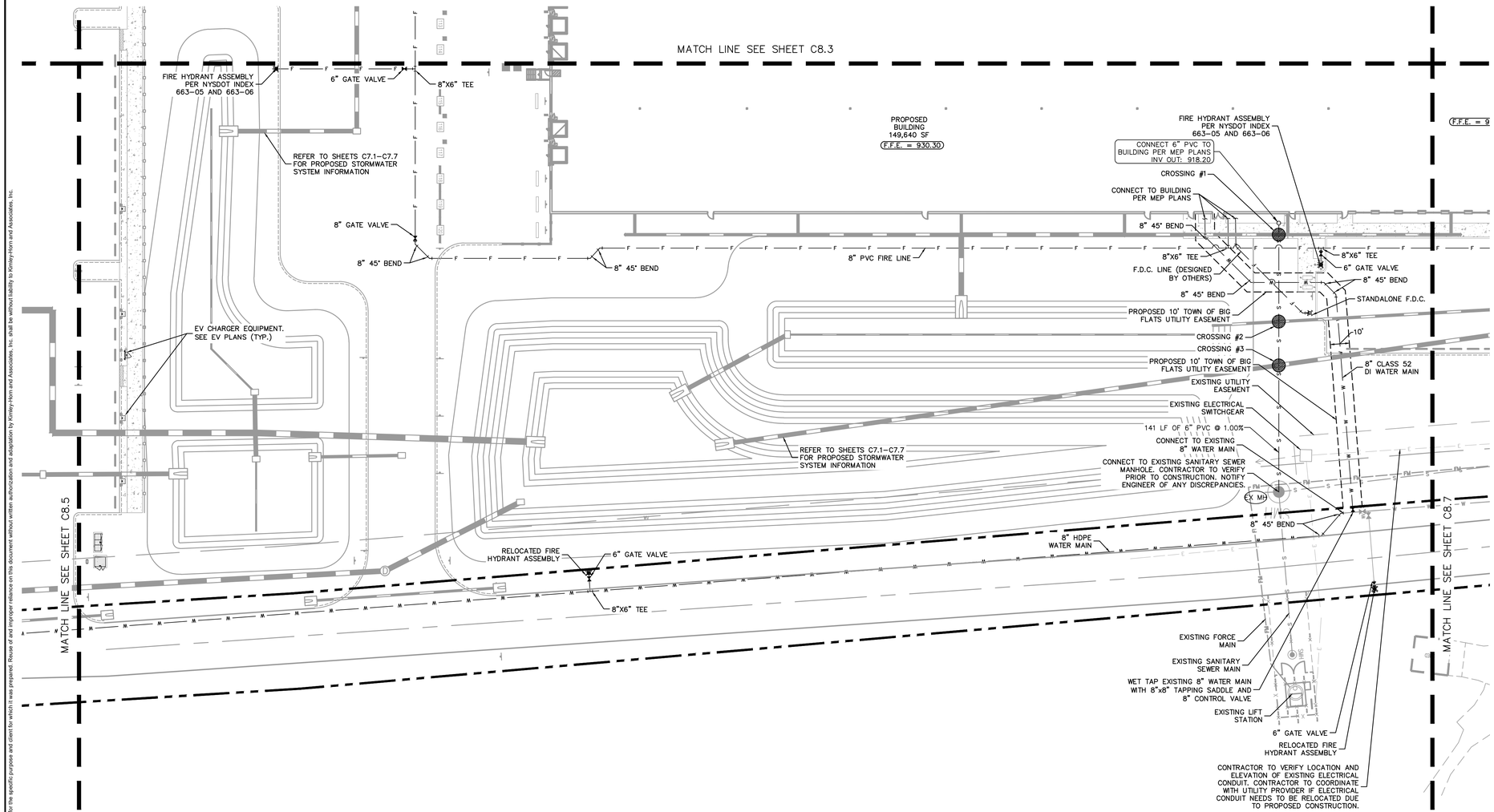
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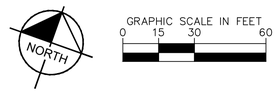
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UTILITY PLAN

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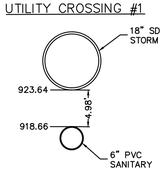
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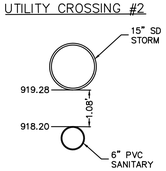
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SANITARY SEWER STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
EX MH	EXISTING MANHOLE (DROP CONNECTION) TOP: EXISTING GRADE N. INV IN: 916.79 (6" PVC) EX. E. INV IN: 912.54 (8" PVC) EX. S. INV OUT: 912.44 (8" PVC)

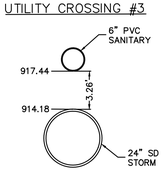
UTILITY CROSSING #1

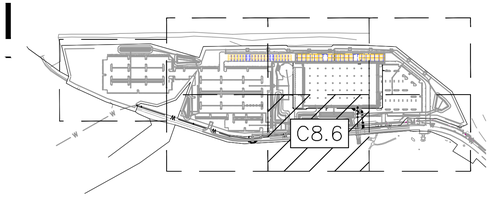


UTILITY CROSSING #2



UTILITY CROSSING #3





KEY MAP
SCALE: 1"=500'

Know what's below. Call before you dig.

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No.	REVISIONS	DATE	BY

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New York
© 2026 KIMLEY-HORN ENGINEERING AND LANDSCAPE ARCHITECTURE OF NEW YORK, P.C.
60 EAST 42ND STREET, SUITE 1730
NEW YORK, NY 10165
(646) 290-7300
WWW.KIMLEY-HORN.COM

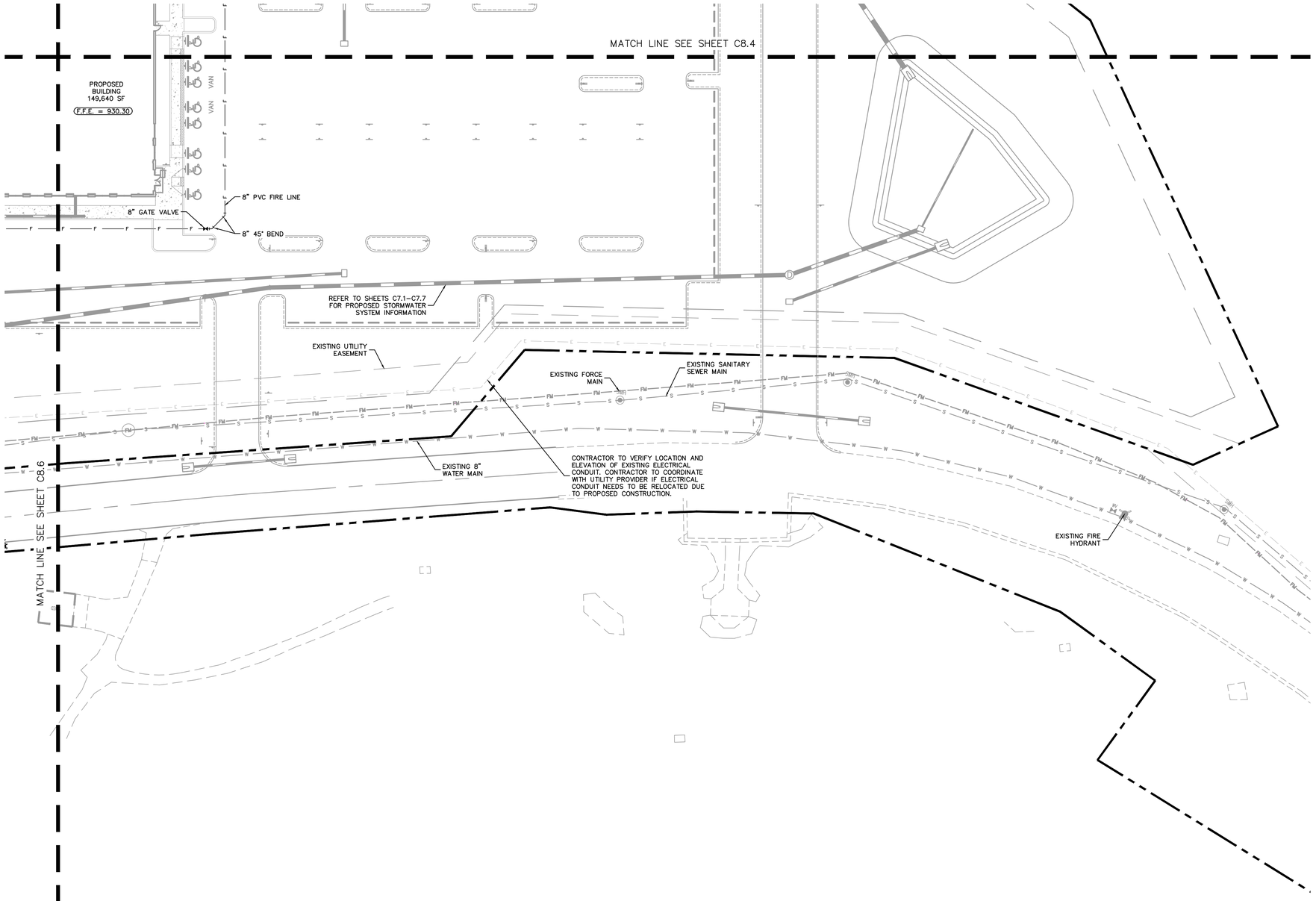
KHA PROJECT 249633002
DATE 1/15/2026
SCALE AS SHOWN
DESIGNED BY JDB
DRAWN BY JDB
CHECKED BY DL

UTILITY PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C8.6

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GRAPHIC SCALE IN FEET
0 15 30 60

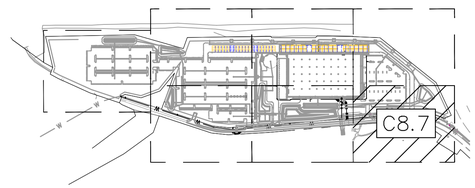
NORTH

LEGEND:

- PROPERTY LINE
- MATCH LINE
- PROPOSED TOWN OF BIG FLATS UTILITY EASEMENT
- PROPOSED POTABLE WATER MAIN
- PROPOSED FIRE LINE (DESIGNED BY OTHERS)
- PROPOSED SANITARY SEWER LINE
- PROPOSED FIRE HYDRANT ASSEMBLY
- PROPOSED F.D.C.
- PROPOSED FITTINGS AND VALVES
- PROPOSED STORM PIPE
- EXISTING WATER MAIN
- EXISTING FORCE MAIN
- EXISTING SANITARY SEWER MAIN
- EXISTING UNDERGROUND ELECTRICAL
- EXISTING UTILITY EASEMENT
- EXISTING FIRE HYDRANT
- EXISTING VALVES
- EV CAPABLE PARKING SPACES

GENERAL NOTES

1. ALL ONSITE UTILITIES SHALL BE PRIVATELY OWNED AND MAINTAINED UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL COORDINATE UTILITY CONNECTION WITH APPLICABLE PROVIDERS.
3. SEE MEP PLANS FOR EXACT UTILITY CONNECTION LOCATIONS AT BUILDING.
4. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES AT ALL POINTS OF CONNECTION PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES.
5. METERS AND BACKFLOWS TO BE LOCATED INSIDE THE BUILDING, SEE MEP PLANS.
6. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER SITE FEAUTURES ARE SHOWN BASED ON THE INFORMATION PROVIDED BY THE TOPOGRAPHIC SURVEY PROVIDED BY FAGAN ENGINEERS & LAND SURVEYORS, P.C. DATED OCTOBER 1, 2025.
7. PROPOSED UTILITIES TO MAINTAIN A MINIMUM OF 4 FT OF COVER UNLESS OTHERWISE NOTED. UTILITIES WITH LESS THAN 4 FT OF COVER SHALL BE INSULATED.
8. ALL PRIVATELY OWNED HYDRANTS TO BE PAINTED RED.
9. WATERMAINS WITHIN R.O.W. WILL NEED TO BE INSPECTED BY THE TOWN OF BIG FLATS WATER DEPARTMENT PRIOR TO BACKFILLING.
10. WATERMAINS WITHIN R.O.W. MUST BE BEDDED IN EITHER SAND, #1B STONE, OR #2 STONE.
11. ALL VALVES AND HYDRANTS ARE TO BE RIGHT TURN CLOSE AND LEFT TURN OPEN.



KEY MAP
SCALE: 1"=500'

811 Know what's below. Call before you dig.

No.	REVISIONS	DATE	BY

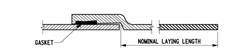
Kimley»Horn New York
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60 EAST 42ND STREET, SUITE 1730
NEW YORK, NY 10165
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KHA PROJECT 249633002
DATE 1/15/2026
SCALE AS SHOWN
DESIGNED BY JDB
DRAWN BY JDB
CHECKED BY DL

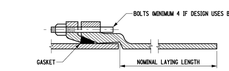
UTILITY PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

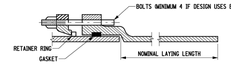
SHEET NUMBER
C8.7



PUSH-ON JOINT FOR
DUCTILE IRON PIPE AND FITTINGS
NOTE: WILL VARY WITH SIZE AND MANUFACTURER

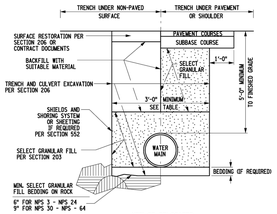


MECHANICAL JOINT NON-RESTRAINED FOR
DUCTILE IRON PIPE AND FITTINGS
NOTE: WILL VARY WITH SIZE AND MANUFACTURER

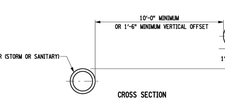


RESTRAINED MECHANICAL JOINT FOR
DUCTILE IRON PIPE AND FITTINGS
NOTE: WILL VARY WITH SIZE AND MANUFACTURER

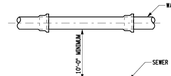
MECHANICAL JOINT BOLT TORQUE		
NPS SIZE	BOLT SIZE	TORQUE (LB-FT)
3	¾"	45-60
4-24	¾"	75-90
30-36	1"	100-120
42-48	1¼"	120-150



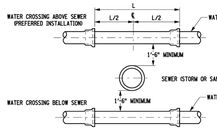
NEW OR RELOCATED
DUCTILE IRON OR STEEL WATER MAIN
TRENCH DETAIL



CROSS SECTION



PLAN
WATER MAIN/SEWER
PARALLEL INSTALLATION



ELEVATION
WATER MAIN/SEWER
CROSSING

NEW OR RELOCATED
PLASTIC WATER MAIN
TRENCH DETAIL



WATER MAIN INSTALLATION IN
UNSTABLE OR UNSUITABLE SOIL CONDITIONS

NOTES:

1. SEE SPECIAL NOTES ENTITLED "OWNER REQUIREMENTS FOR WATER MAINS AND APPURTENANCES" FOR INFORMATION ON ADDITIONAL REQUIREMENTS.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ELEVATIONS OF EXISTING UTILITIES TO ENSURE ADEQUATE CLEARANCE FOR THE WATER LINE EXISTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF CONFLICTING ELEVATIONS, ALLOWING THE ENGINEER ADEQUATE TIME TO REVISE GRADES WITHOUT NECESSITATING REMOVAL AND RECONSTRUCTION OF WORK ALREADY COMPLETED BY THE CONTRACTOR.
3. DETAILS SHOWN ON THIS SHEET ARE BASED UPON TYPE 4 LAYING CONDITION DESCRIBED IN AWWA STANDARD C600. SELECT GRANULAR FILL AND SAND BACKFILL ARE ASSUMED TO HAVE A FRICTION ANGLE OF 30° AND A UNIT WEIGHT OF 90 LBS/CUBIC FEET.
4. THE TOP PAVMENT LINE FOR TRENCH EXCAVATION SHALL BE PER SECTION 206.
5. BEDDING BELOW THE PIPE INVERT SHALL BE REQUIRED ONLY WHEN NOTED IN THE OWNER REQUIREMENTS OR WHEN ROCK OR UNSTABLE OR UNSUITABLE CONDITIONS ARE ENCOUNTERED.
6. IF UNSTABLE OR UNSUITABLE SOIL CONDITIONS ARE ENCOUNTERED NEAR THE INVERT ELEVATION, A MINIMUM OF 1' AND A MAXIMUM OF 2' OF MATERIAL SHALL BE EXCAVATED A.D.B.E. AND REPLACED WITH SELECT GRANULAR FILL. ADDITIONAL PAYMENT WILL BE MADE FOR MATERIAL PLACED TO TREAT UNSTABLE OR UNSUITABLE CONDITIONS.
7. NEW WATER MAINS INSTALLED PARALLEL TO STORM AND/OR SANITARY SEWER CONDUITS SHALL HAVE A MINIMUM OF 10' HORIZONTAL SEPARATION MEASURED EDGE OF PIPE TO EDGE OF PIPE) WHENEVER POSSIBLE. WHEN 10' HORIZONTAL SEPARATION CANNOT BE MAINTAINED A VERTICAL SEPARATION OF AT LEAST 1'-6" BETWEEN BOTTOM OF WATER MAIN AND TOP OF SEWER PIPE SHALL BE MAINTAINED. IF NEITHER SEPARATION CAN BE MAINTAINED, THE WATER AND SEWER SHALL BE CONSTRUCTED AS SHOWN ON THE CONTRACT PLANS AND APPROVED BY THE APPROPRIATE HEALTH AGENCY.
8. BACKFILL SHALL BE INSTALLED AND COMPACTED IN ACCORDANCE WITH THE REQUIREMENTS OF §203-3.06.
9. UPON COMPLETION OF ALL WATER SUPPLY RELATED CONSTRUCTION, INCLUDING BACKFILL, HYDROSTATIC TESTING SHALL BE PERFORMED IN ACCORDANCE WITH AWWA STANDARD C600 WITH THE MAINS THOROUGHLY FLUSHED PRIOR TO TESTING. UNLESS OTHERWISE NOTED, THE SYSTEM SHALL BE SUBJECTED TO A PRESSURE/LEAKAGE TEST WITH WATER UNDER A MINIMUM HYDROSTATIC PRESSURE OF 150 PSI FOR A MINIMUM OF TWO (2) HOURS.
10. UPON COMPLETION OF ALL WATER SUPPLY RELATED CONSTRUCTION, ALL MAINS, VALVES, HYDRANTS, AND OTHER APPURTENANCES BUILT UNDER THIS CONTRACT SHALL BE DISINFECTED, FLUSHED, AND TESTED FOR BACTERIOLOGICAL QUALITY IN ACCORDANCE WITH AWWA STANDARD C651. THE TABLET METHOD SHALL NOT BE USED FOR CHLORINATION OF SOLVENT WELDED PLASTIC OR SCREWED-JOINT STEEL PIPE DUE TO THE DANGER OF FIRE OR EXPLOSION FROM THE REACTION OF JOINT COMPOUNDS WITH CALCIUM HYPOCHLORITE.

MAXIMUM JOINT DEFLECTION			
NPS SIZE	PUSH-ON JOINTS		MJ JOINTS
	18' DI	20' DI	18/20 FT.
3	5°	5°	8°
4	5°	5°	8°
6	5°	5°	7°
8	5°	5°	5°
10	5°	5°	5°
12	5°	5°	5°
14	3°	3°	3.5°
16	3°	3°	3.5°
18	3°	3°	3°
20	3°	3°	3°
24	3°	3°	2°
30	3°	3°	N/A
36	3°	3°	N/A
42	3°	3°	N/A
48	N/A	3°	N/A
54	N/A	3°	N/A
60	N/A	3°	N/A
64	N/A	3°	N/A

EXCAVATION PAYMENT WIDTHS	
NPS SIZE	TRENCH WIDTH
3	3'-0"
4	3'-0"
6	3'-0"
8	3'-4"
10	4'-0"
12	4'-0"
14	4'-0"
16	4'-0"
18	4'-0"
20	4'-0"
24	4'-0"
30	4'-4"
36	5'-0"
42	5'-4"
48	6'-0"
54	6'-4"
60	7'-0"
64	7'-4"

ERRATA 3 JANUARY 1, 2023
ISSUED WITH EB 23-029

ERRATA 2 MAY 1, 2021
ISSUED WITH EB 21-006

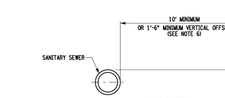
ERRATA 1 MAY 1, 2018
ISSUED WITH EB 18-003

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

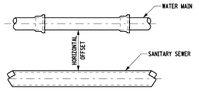
U.S. CUSTOMARY STANDARD SHEET

WATER MAIN PIPE
INSTALLATION DETAILS

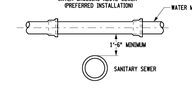
APPROVED AUGUST 30, 2013	ISSUED UNDER EB 13-038
/S/ RICHARD W. LEE, P.E. FOR THE DEPUTY CHIEF ENGINEER (DESIGN)	663-01



CROSS SECTION
SANITARY SEWER MAIN / WATER MAIN
PARALLEL INSTALLATION



PLAN
SANITARY SEWER MAIN / WATER MAIN
PARALLEL INSTALLATION

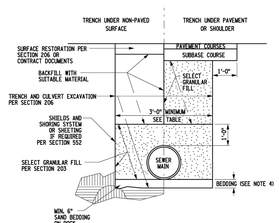


SANITARY SEWER MAIN / WATER MAIN
CROSSING

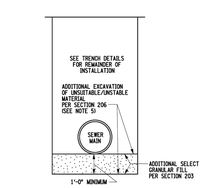
NOTES:

1. SEE SPECIAL NOTES ENTITLED "OWNER REQUIREMENTS FOR SEWER MAINS AND APPURTENANCES" FOR INFORMATION ON ADDITIONAL REQUIREMENTS. REQUIREMENTS ARE CONSISTENT WITH "10 STATE STANDARDS" AS PUBLISHED BY HEALTH EDUCATION SERVICES.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ELEVATIONS OF EXISTING UTILITIES TO ENSURE ADEQUATE CLEARANCE FOR THE SEWER LINE EXISTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF CONFLICTING ELEVATIONS, ALLOWING THE ENGINEER ADEQUATE TIME TO REVISE GRADES WITHOUT NECESSITATING REMOVAL AND RECONSTRUCTION OF WORK ALREADY COMPLETED BY THE CONTRACTOR.
3. THE TOP PAVMENT LINE FOR TRENCH EXCAVATION SHALL BE PER SECTION 206.
4. BEDDING BELOW THE PIPE INVERT SHALL BE REQUIRED ONLY WHEN NOTED IN THE OWNER REQUIREMENTS OR WHEN ROCK OR UNSTABLE OR UNSUITABLE CONDITIONS ARE ENCOUNTERED.
5. IF UNSTABLE OR UNSUITABLE SOIL CONDITIONS ARE ENCOUNTERED NEAR THE INVERT ELEVATION, A MINIMUM OF 1' AND A MAXIMUM OF 2' OF MATERIAL SHALL BE EXCAVATED AND REPLACED WITH SELECT GRANULAR FILL. ADDITIONAL PAYMENT WILL BE MADE FOR MATERIAL PLACED TO TREAT UNSTABLE OR UNSUITABLE CONDITIONS.
6. NEW SANITARY SEWER MAINS INSTALLED PARALLEL TO WATER MAINS SHALL HAVE A MINIMUM OF 10' HORIZONTAL SEPARATION MEASURED EDGE OF PIPE TO EDGE OF PIPE ON EACH SIDE OF STRUCTURE) WHENEVER POSSIBLE. WHEN 10' HORIZONTAL SEPARATION CANNOT BE MAINTAINED A VERTICAL SEPARATION OF AT LEAST 1'-6" BETWEEN BOTTOM OF WATER MAIN AND TOP OF SANITARY SEWER PIPE SHALL BE MAINTAINED. IF NEITHER SEPARATION CAN BE MAINTAINED, THE SANITARY SEWER MAIN AND WATER PIPE SHALL BE CONSTRUCTED AS SHOWN ON THE CONTRACT DOCUMENTS AS APPROVED BY THE APPROPRIATE HEALTH AGENCY.
7. BACKFILL SHALL BE INSTALLED AND COMPACTED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 203.

EXCAVATION PAYMENT WIDTHS	
NPS SIZE	TRENCH WIDTH
3	3'-0"
4	3'-0"
6	3'-0"
8	3'-4"
10	4'-0"
12	4'-0"
14	4'-0"
16	4'-0"
18	4'-0"
20	4'-0"
24	4'-0"
30	4'-4"
36	5'-0"
42	5'-4"
48	6'-0"
54	6'-4"
60	7'-0"
64	7'-4"



NEW OR RELOCATED
PLASTIC SANITARY SEWER MAIN
TRENCH DETAIL



SANITARY SEWER MAIN INSTALLATION IN
UNSTABLE OR UNSUITABLE SOIL CONDITIONS

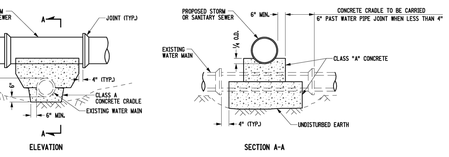
ERRATA 2
ISSUED WITH EB 18-003

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY STANDARD SHEET

SANITARY SEWER MAIN PIPE
INSTALLATION DETAILS

APPROVED AUGUST 30, 2013	ISSUED UNDER EB 13-038
/S/ RICHARD W. LEE, P.E. FOR THE DEPUTY CHIEF ENGINEER (DESIGN)	664-01



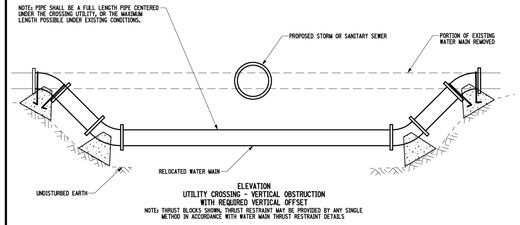
ELEVATION

SECTION A-A

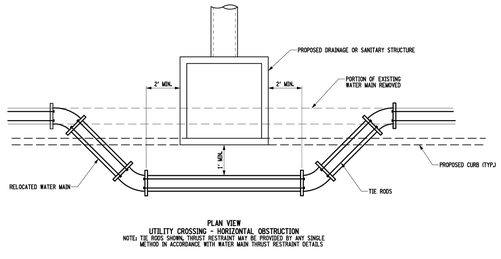
UTILITY CROSSING - VERTICAL OBSTRUCTION
LACKING REQUIRED VERTICAL OFFSET
PROPOSED STORM SEWER CROSSING WATER MAIN WITH 4" - 18" OF VERTICAL SEPARATION

NOTES:

1. SEE SPECIAL NOTES ENTITLED "OWNER REQUIREMENTS FOR WATER MAINS AND APPURTENANCES" FOR INFORMATION ON ADDITIONAL THRUST RESTRAINT REQUIREMENTS.
2. WATER MAIN RELOCATION WORK MAY BE REQUIRED WHERE PROPOSED STORM DRAINS CROSS AN EXISTING WATER MAIN. THE CONTRACTOR SHALL ESTABLISH THE DEPTH OF THE WATER MAIN AT ALL CROSSING POINTS. THE ENGINEER WILL THEN VERIFY THE EXTENT OF THE WATER MAIN RELOCATION WORK REQUIRED.
3. UNLESS OTHERWISE NOTED IN THE OWNER REQUIREMENTS, A SINGLE METHOD OF THRUST RESTRAINT SHALL BE PROVIDED AT EACH FITTING WHICH CREATES A THRUST IN ACCORDANCE WITH PRESSURE PIPE THRUST RESTRAINT DETAILS.
4. THE OFFSET OF A WATER MAIN TO AVOID AN OBSTRUCTION SHALL BE ACCOMPLISHED USING A MINIMUM NUMBER AND WEIGHT OF FITTINGS.
5. ENCASEMENT OF A WATER MAIN IN A CONCRETE CRADLE DUE TO PROXIMITY OF A STORM SEWER WILL BE INSTALLED IN ACCORDANCE WITH SECTION 501, WITH THE EXCEPTION THAT BATCHING REQUIREMENTS SHALL NOT APPLY.



ELEVATION
UTILITY CROSSING - VERTICAL OBSTRUCTION
WITH REQUIRED VERTICAL OFFSET
NOTE: THRUST BLOCKS SHOWN, THRUST RESTRAINT MAY BE PROVIDED BY ANY SINGLE METHOD IN ACCORDANCE WITH WATER MAIN THRUST RESTRAINT DETAILS



PLAN VIEW
UTILITY CROSSING - HORIZONTAL OBSTRUCTION
NOTE: TIE RODS SHOWN, THRUST RESTRAINT MAY BE PROVIDED BY ANY SINGLE METHOD IN ACCORDANCE WITH WATER MAIN THRUST RESTRAINT DETAILS

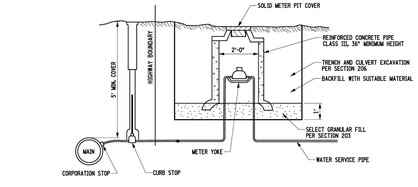
EFFECTIVE DATE: 01/08/09

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY STANDARD SHEET

WATER MAIN
UTILITY CROSSING RELOCATION DETAILS

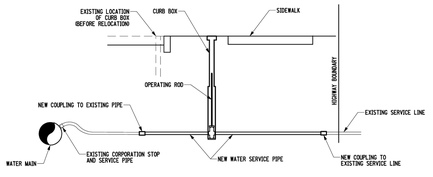
APPROVED SEPTEMBER 19, 2008	ISSUED UNDER EB 08-036
/S/ DANIEL D'ANGELO, P.E. DEPUTY CHIEF ENGINEER (DESIGN)	663-04



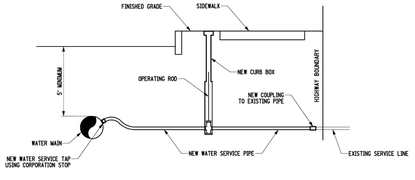
METER PIT - TYPE "B"
CROSS SECTION

NOTES:

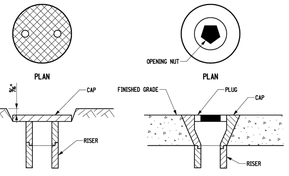
1. WATER SERVICE TAPS ON A NEW OR EXISTING MAIN SHALL BE PLACED AT THE 2 O'CLOCK OR 10 O'CLOCK POSITION AND SHALL BE PLACED A MINIMUM OF 1FT APART ALONG THE LENGTH OF THE MAIN. NO TAPS SHALL BE PLACED WITHIN 2FT OF THE END OF A PIPE.
2. UNLESS OTHERWISE NOTED IN THE OWNER REQUIREMENTS, ALL NEW SERVICE LINES SHALL BE TYPE K COPPER IN ACCORDANCE WITH §722-06.
3. ALL FITTINGS, INCLUDING CORPORATION STOP, CURB STOP, COUPLINGS, ELBOWS, ETC SHALL BE BRASS, IN ACCORDANCE WITH §722-06 AND OWNER REQUIREMENTS.
4. CURB STOP AND CURB BOX SHALL BE PLACED WITHIN THE HIGHWAY RIGHT OF WAY AND WITHIN THE SNOW STORAGE AREA WHENEVER POSSIBLE, OR AS SHOWN ON THE CONTRACT PLANS AND IN THE OWNER REQUIREMENTS.
5. RELOCATED CURB STOP AND BOX SHALL INCLUDE NEW WATER SERVICE PIPE TO THE HIGHWAY BOUNDARY OR AS SHOWN ON THE CONTRACT PLANS AND IN THE OWNER REQUIREMENTS.
6. THE CURB BOX CAP SHALL BE OF THE PLUG TYPE WHEN PLACED IN A PAVED SURFACE, AND THE TWO HOLE TYPE WHEN PLACED IN A GRASSED OR LANDSCAPED AREA.
7. WHEN PLACED IN GRASS, THE TOP OF CURB BOX SHALL BE SET ⅝ INCH BELOW FINISHED GRADE.
8. UNLESS OTHERWISE NOTED IN THE OWNER REQUIREMENTS, METERS WILL BE SUPPLIED BY THE OWNER AT NO COST TO THE CONTRACTOR OR TO THE STATE. PIPING IS SCHEMATIC. PIPING SHALL BE INSTALLED AS REQUIRED FOR THE INDIVIDUAL INSTALLATION.



CURB STOP AND CURB BOX DETAIL



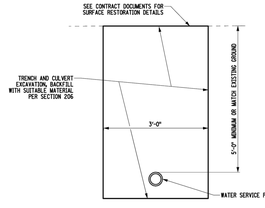
WATER SERVICE CONNECTION DETAIL



TWO-HOLE TYPE - CROSS SECTION
USED IN GRASSED OR LANDSCAPED AREAS

PLUG TYPE - CROSS SECTION
USED IN SIDEWALKS OR PAVED AREAS

CURB BOX CAPS



WATER SERVICE TRENCH DETAIL

EFFECTIVE DATE: 01/08/09

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY STANDARD SHEET

WATER MAIN
SERVICE CONNECTION DETAIL

APPROVED SEPTEMBER 19, 2008	ISSUED UNDER EB 08-036
/S/ DANIEL D'ANGELO, P.E. DEPUTY CHIEF ENGINEER (DESIGN)	663-07

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UTILITY DETAILS

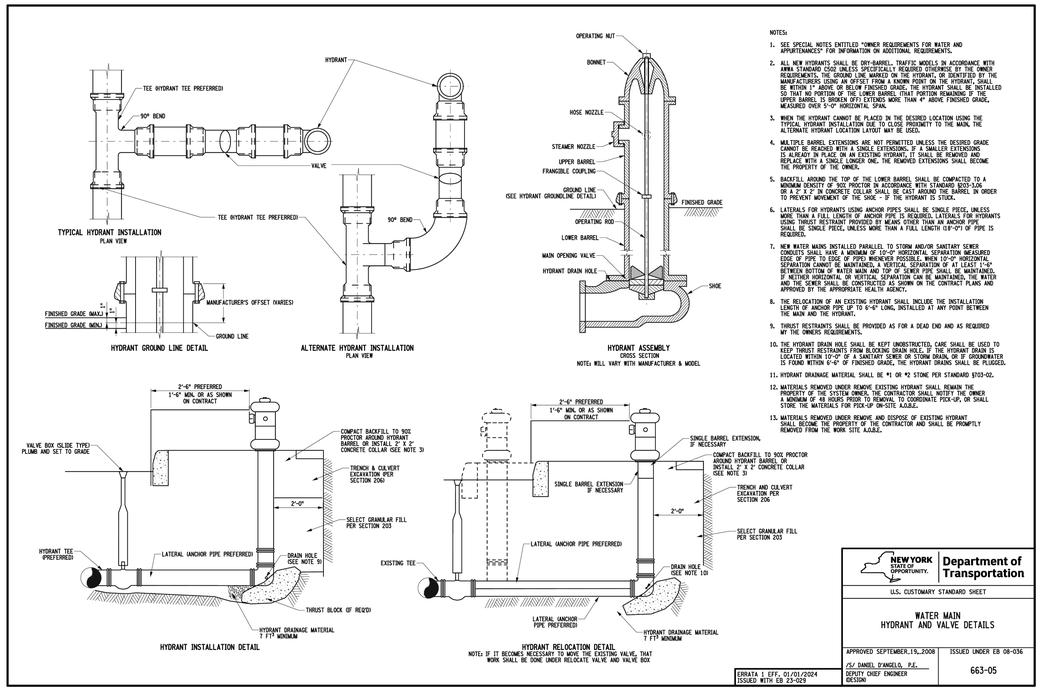
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NOTES:

1. SEE SPECIAL NOTES ENTITLED "OWNER REQUIREMENTS FOR WATER AND APPURTENANCES" FOR INFORMATION ON ADDITIONAL REQUIREMENTS.
2. ALL NEW HYDRANTS SHALL BE DRY-BARREL- TRAFFIC MODELS IN ACCORDANCE WITH AWWA STANDARD C502 UNLESS SPECIFICALLY REQUIRED OTHERWISE BY THE OWNER REQUIREMENTS. THE GROUND LINE, MARKED ON THE HYDRANT, OR IDENTIFIED BY THE MANUFACTURERS USING AN OFFSET FROM A KNOWN POINT ON THE HYDRANT, SHALL BE PLACED AT THE FINISHED GRADE. HYDRANTS SHALL BE INSTALLED PLUMB AND SET TO THAT NO PORTION OF THE LOWER BARREL (THAT PORTION REMAINING IN THE GROUND WHEN UPPER BARREL IS BROKEN OFF) EXTENDS MORE THAN 4" ABOVE FINISHED GRADE, MEASURED OVER 5'-0" HORIZONTAL SPAN.
3. WHEN THE HYDRANT CANNOT BE PLACED IN THE DESIRED LOCATION USING THE TYPICAL HYDRANT INSTALLATION DUE TO CLOSE PROXIMITY TO THE MAIN, THE ALTERNATE HYDRANT LOCATION LAYOUT MAY BE USED.
4. MULTIPLE BARREL EXTENSIONS ARE NOT PERMITTED UNLESS THE DESIRED GRADE CANNOT BE REACHED WITH A SINGLE EXTENSIONS. IF A SMALLER EXTENSIONS IS ALREADY IN PLACE ON AN EXISTING HYDRANT, IT SHALL BE REMOVED AND REPLACED WITH A SINGLE LONGER ONE. THE REMOVED EXTENSIONS SHALL BECOME THE PROPERTY OF THE OWNER.
5. BACKFILL AROUND THE TOP OF THE LOWER BARREL SHALL BE COMPACTED TO A MINIMUM OF 90% PROCTOR IN ACCORDANCE WITH STANDARD SPEC 206. NO LESS THAN 2 FT³ IN CONCRETE COLLAR SHALL BE CAST AROUND THE BARREL IN ORDER TO PREVENT MOVEMENT OF THE BARREL IF THE HYDRANT IS STUCK.
6. LATERALS FOR HYDRANTS USING ANCHOR PIPES SHALL BE SINGLE PIECE, UNLESS MORE THAN A FULL LENGTH OF ANCHOR PIPE IS REQUIRED. LATERALS FOR HYDRANTS USING THRUST RESTRAINT PROVIDED BY MEANS OTHER THAN ANCHOR PIPE SHALL BE SINGLE PIECE, UNLESS MORE THAN A FULL LENGTH (18'-0") OF PIPE IS REQUIRED.
7. NEW WATER MAINS INSTALLED PARALLEL TO STORM AND/OR SANITARY SEWER CONDUITS SHALL HAVE A MINIMUM OF 10'-0" HORIZONTAL SEPARATION MEASURED EDGE OF PIPE TO EDGE OF PIPE) WHENEVER POSSIBLE. WHEN 10'-0" HORIZONTAL SEPARATION CANNOT BE MAINTAINED, A VERTICAL SEPARATION OF AT LEAST 1'-6" BETWEEN BOTTOM OF WATER MAIN AND TOP OF SEWER PIPE SHALL BE MAINTAINED. IF NEITHER HORIZONTAL OR VERTICAL SEPARATION CAN BE MAINTAINED, THE WATER MAIN SHALL BE ENCASED IN CONCRETE FOR A DISTANCE SHOWN ON THE CONTRACT PLANS AND APPROVED BY THE APPROPRIATE HEALTH AGENCY.
8. THE RELOCATION OF AN EXISTING HYDRANT SHALL INCLUDE THE INSTALLATION LENGTH OF ANCHOR PIPE UP TO 6'-6" LONG, INSTALLED AT ANY POINT BETWEEN THE MAIN AND THE HYDRANT.
9. THRUST RESTRAINTS SHALL BE PROVIDED AS FOR A DEAD END AND AS REQUIRED BY THE OWNERS REQUIREMENTS.
10. THE HYDRANT DRAIN HOLE SHALL BE KEPT UNOBSTRUCTED, CARE SHALL BE USED TO KEEP THRUST RESTRAINTS FROM BLOCKING DRAIN HOLE. IF THE HYDRANT DRAIN IS LOCATED WITHIN 10'-0" OF A SANITARY SEWER OR STORM DRAIN, OR IF GROUNDWATER IS FOUND WITHIN 6'-6" OF FINISHED GRADE, THE HYDRANT DRAINS SHALL BE PLUGGED.
11. HYDRANT DRAINAGE MATERIAL SHALL BE #1 OR #2 STONE PER STANDARD ST03-02.
12. MATERIALS REMOVED UNDER REMOVE EXISTING HYDRANT SHALL REMAIN THE PROPERTY OF THE SYSTEM OWNER, THE CONTRACTOR SHALL NOTIFY THE OWNER A MINIMUM OF 48 HOURS PRIOR TO REMOVAL TO COORDINATE PICK-UP, OR SHALL STORE THE MATERIALS FOR PICK-UP ON-SITE A.O.R.E.
13. MATERIALS REMOVED UNDER REMOVE AND DISPOSE OF EXISTING HYDRANT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROMPTLY REMOVED FROM THE WORK SITE A.O.R.E.

ERRATA 1 EFF. 01/01/2024
ISSUED WITH EB 23-029

NEW YORK STATE OF OPPORTUNITY.

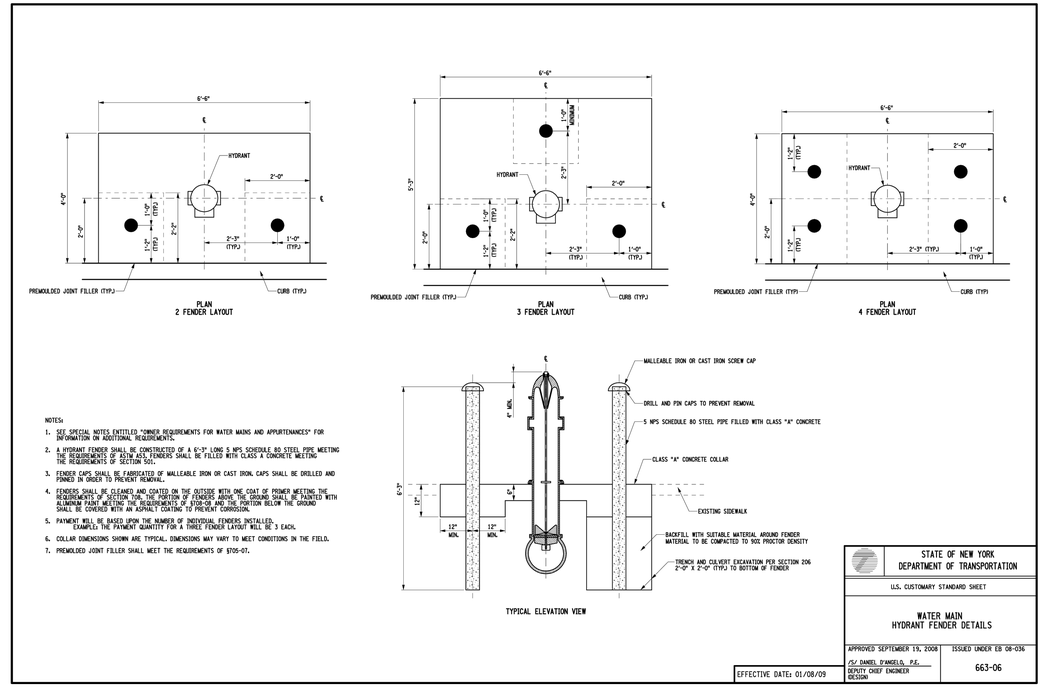
Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

WATER MAIN
HYDRANT AND VALVE DETAILS

APPROVED SEPTEMBER 19, 2008	ISSUED UNDER EB 08-036
/S/ DANIEL D'ANGELO, P.E. DEPUTY CHIEF ENGINEER DESIGN	663-05

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NOTES:

1. SEE SPECIAL NOTES ENTITLED "OWNER REQUIREMENTS FOR WATER MAINS AND APPURTENANCES" FOR INFORMATION ON ADDITIONAL REQUIREMENTS.
2. A HYDRANT FENDER SHALL BE CONSTRUCTED OF A 6'-3" LONG 6 NPS SCHEDULE 80 STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A53. FENDERS SHALL BE FILLED WITH CLASS A CONCRETE MEETING THE REQUIREMENTS OF SECTION 501.
3. FENDER CAPS SHALL BE FABRICATED OF MALLEABLE IRON OR CAST IRON. CAPS SHALL BE DRILLED AND PINNED IN ORDER TO PREVENT REMOVAL.
4. FENDERS SHALL BE CLEANED AND COATED ON THE OUTSIDE WITH ONE COAT OF PRIMER MEETING THE REQUIREMENTS OF SECTION 708. THE PORTION OF FENDERS ABOVE THE GROUND SHALL BE PAINTED WITH ALUMINUM PAINT MEETING THE REQUIREMENTS OF ST08-08 AND THE PORTION BELOW THE GROUND SHALL BE COVERED WITH AN ASPHALT COATING TO PREVENT CORROSION.
5. PAYMENT WILL BE BASED UPON THE NUMBER OF INDIVIDUAL FENDERS INSTALLED.
   EXAMPLE: THE PAYMENT QUANTITY FOR A THREE FENDER LAYOUT WILL BE 3 EACH.
6. COLLAR DIMENSIONS SHOWN ARE TYPICAL. DIMENSIONS MAY VARY TO MEET CONDITIONS IN THE FIELD.
7. PREMOLDED JOINT FILLER SHALL MEET THE REQUIREMENTS OF ST05-07.

TYPICAL ELEVATION VIEW

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY STANDARD SHEET

WATER MAIN
HYDRANT FENDER DETAILS

APPROVED SEPTEMBER 19, 2008	ISSUED UNDER EB 08-036
/S/ DANIEL D'ANGELO, P.E. DEPUTY CHIEF ENGINEER DESIGN	663-06

EFFECTIVE DATE: 01/08/09

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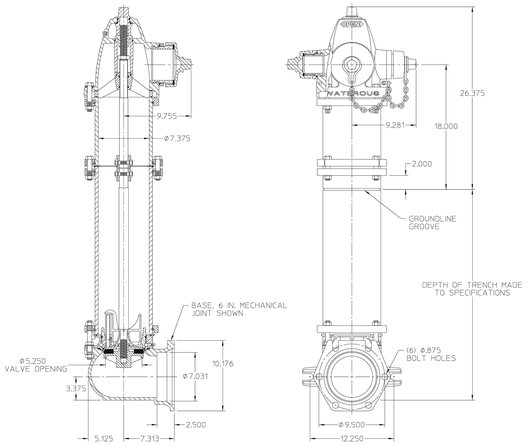
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AMERICAN Flow Control Submittal Information

5-1/4 WATEROUS PACER® TRAFFIC MODEL WB67-250 FIRE HYDRANT



IL3576

NOTES:

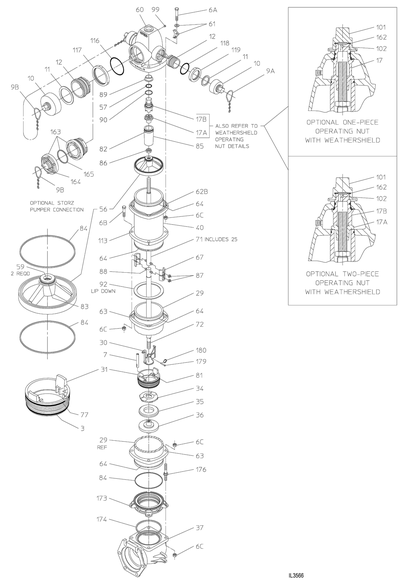
1. 250 psig rated working pressure.
2. This hydrant meets or exceeds all requirements of AWWA C502.
3. 10 in. upper standpipe (traffic section) is standard. 16 in., 22 in., 28 in. and 34 in. upper standpipes are available by special order. Nozzle elevation will vary accordingly.
4. 5-1/4" valve opening.
5. Hydrants are available with counterclockwise opening direction (open-left) or clockwise opening direction (open-right).
6. Operating nut and nozzle cap wrench nuts are available in various shapes and sizes.
7. Certified to NSF/ANSI/CAN 61 & NSF/ANSI 372.

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THE RIGHT WAY

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P.O. Box 2727
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Phone: 1-800-326-8051
Fax: 1-800-610-3569
E-mail: afcsales@american-usa.com

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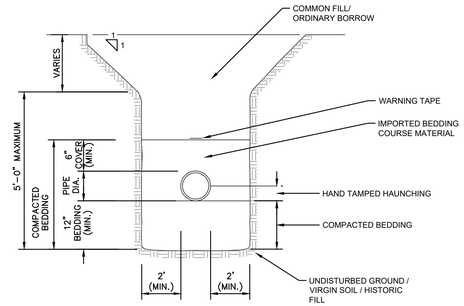
TRAFFIC MODEL WB67-250

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NOTES

1. WHERE UTILITY TRENCHES ARE CONSTRUCTED THROUGH DETENTION BASIN BERMS OR OTHER SUCH SPECIAL SECTIONS, PLACE TRENCH BACKFILL WITH MATERIALS SIMILAR TO THE SPECIAL SECTION REQUIREMENTS.
2. USE METALLIC TRACING/WARNING TAPE OVER ALL PIPES.
3. BACKFILL TO 95% RELATIVE MATERIAL COMPACTED DRY DENSITY AT OPTIMUM MOISTURE UNDER PAVED AND STRUCTURAL AREAS AND 90% UNDER LANDSCAPED AREAS.
4. WHEN PIPES ARE TO BE INSTALLED IN FILL SECTIONS, THE CONTRACTOR SHALL INSTALL CRUSHED STONE, GRAVEL OR APPROVED STRUCTURAL FILL.

UTLITY TRENCH DETAIL

N.T.S. SOURCE: KIMLEY-HORN

REF NO.	DESCRIPTION	MATERIAL
3	O-ring (Lower Valve Seat)	Buna-N
6A	Hex Head Bolt, 5/8-11 x 3-3/4"	Zinc Plated Steel, ASTM A307
6B	Hex Head Bolt, 5/8-11 x 3"	Zinc Plated Steel, ASTM A307
6C	Hex Nut, 5/8-11 (Above Ground)	Zinc Plated Steel, ASTM A307
6C	Hex Nut, 5/8-11 (Below Ground)	Stainless Steel, Type 304, ASTM F594
7	Drain Plunger	Red Brass, ASTM B135, UNS C23000
9A,9B	Nozzle Cap Chain, Single or Double	Zinc Plated Steel
10	Nozzle Cap, Hose or Pumper	Ductile Iron, ASTM A536 Grade 65-45-12
11	Cap Gasket, Hose or Pumper	Neoprene
12	Nozzle, Hose	Brass, ASTM B505, UNS C83600
12	Nozzle, Pumper	Bronze, ASTM B584, UNS C87600
17	Operating Nut (One-Piece)	Bronze, ASTM B763, UNS C86500 or UNS C86700
17A	Lower Operating Nut	Bronze
17B	Upper Operating Nut	Ductile Iron, ASTM A536 Grade 65-45-12*
25	Rod Bushing	Red Brass, ASTM B135, UNS C23000
29	Lower Standpipe	Centrifugally Cast Ductile Iron Pipe, ANSI A21.51 (AWWA C151)
30	Crossarm	Bronze, ASTM B763, UNS C99500
31	Valve Seat	Bronze, ASTM B584, UNS C87600
34	Upper Valve Washer	Ductile Iron, ASTM A536 Grade 65-45-12
35	Main Valve Rubber	Urethane
36	Lower Valve Washer	Ductile Iron, ASTM A536 Grade 65-45-12 / Epoxy Coated, AWWA C550
37	Hydrant Bottom	Ductile Iron, ASTM A536 Grade 65-45-12 / Epoxy Coated, AWWA C550
40	Upper Standpipe	Centrifugally Cast Ductile Iron Pipe, ANSI A21.51 (AWWA C151)
56	Support Wheel	Ductile Iron, ASTM A536 Grade 65-45-12
57	O-ring (Operating Nut)	Buna-N
59	O-ring (Support Wheel)	Buna-N
60	Nozzle Section	Ductile Iron, ASTM A536 Grade 65-45-12
61	Bury Depth Plate	Aluminum
61	Bury Depth Plate Washer	Zinc Plated Steel
62B	Upper Standpipe Flange	Ductile Iron, ASTM A536 Grade 65-45-12
63	Standpipe Flange	Ductile Iron, ASTM A536 Grade 65-45-12
64	Flange Lock Ring	Stainless Steel, Type 430
67	Coupling Sleeve (two-halves)	Gray Iron, ASTM A48 Class 30B
71	Upper Rod	Steel Rod, ASTM A575
72	Lower Rod	Steel Rod, ASTM A575
77	O-ring (Upper Valve Seat)	Buna-N
81	Groove Pin, 3/32 x 7/16"	Beryllium Copper
82	O-ring (Upper Tube Seat)	Buna-N
83	O-ring (Lower Tube Seat)	Buna-N

REF NO.	DESCRIPTION	MATERIAL
84	O-ring (Support Wheel / Lower Standpipe)	Buna-N
85	Support Tube	Ductile Iron, ASTM A536 Grade 65-45-12
86	Stop Nut, 1"-8	Zinc Plated Steel
87	Coupling Nut, 1/2-20	Brass
88	Coupling Stud, 1/2-20 x 2-9/16"	Stainless Steel, Type 430
89	Nozzle Section Bushing	Brass
90	Thrust Ring	Polymer Bearing
92	Upper Standpipe Gasket	Neoprene
99	Pipe Plug, 1/4 NPT	Brass
101	Weathershield Nut	Ductile Iron, ASTM A536 Grade 65-45-12
102	Heavy Spirol Pin, 1/4 x 2-1/4"	Stainless Steel, Type 302
113	Breakable Flange	Ductile Iron, ASTM A536 Grade 65-45-12
116	O-ring (Pumper Nozzle)	Buna-N
117	Pumper Nozzle Retainer	Ductile Iron, ASTM A536 Grade 65-45-12
118	O-ring (Hose Nozzle)	Buna-N
119	Hose Nozzle Retainer	Ductile Iron, ASTM A536 Grade 65-45-12
162	Weathershield Nut Gasket	Nitrile
163	Nozzle, Pumper, Storz (with cap and gasket)	Bronze and Aluminum
164	Nozzle Cap, Pumper, Storz	Aluminum
165	Cap Gasket, Pumper, Storz	Buna-N
173	Valve Seat Insert	Bronze, ASTM B584, UNS C87600
174	Valve Seat Insert Gasket	Nitrile
176	Stud, 5/8-11 x 5.650"	Stainless Steel, Type 304, ASTM F593
179	Clevis Pin, 1/4 x 1-11/16"	Stainless Steel, Type 18-8
180	Kickout Ring	Stainless Steel, Type 18-8

*Bronze material optional for some nut sizes.

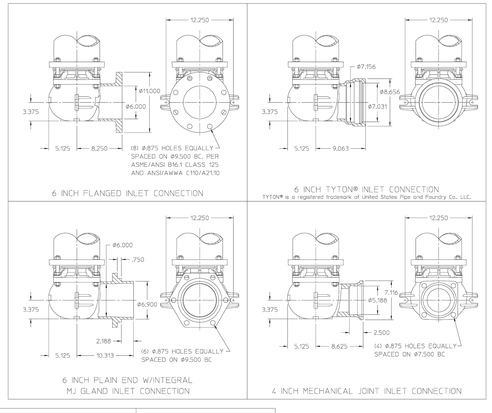
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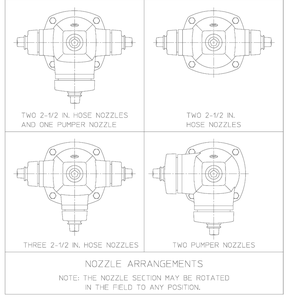
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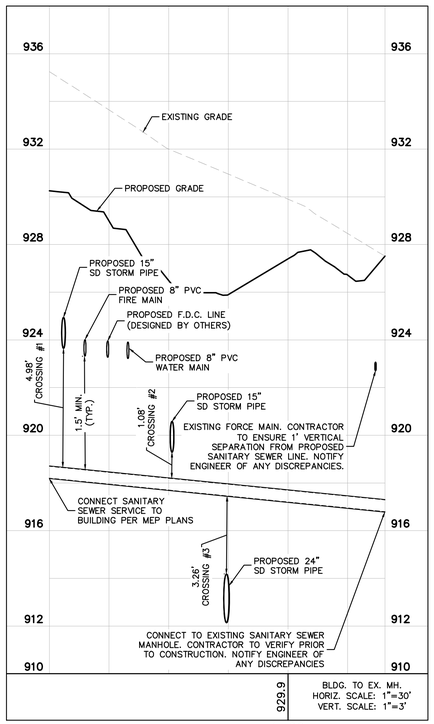
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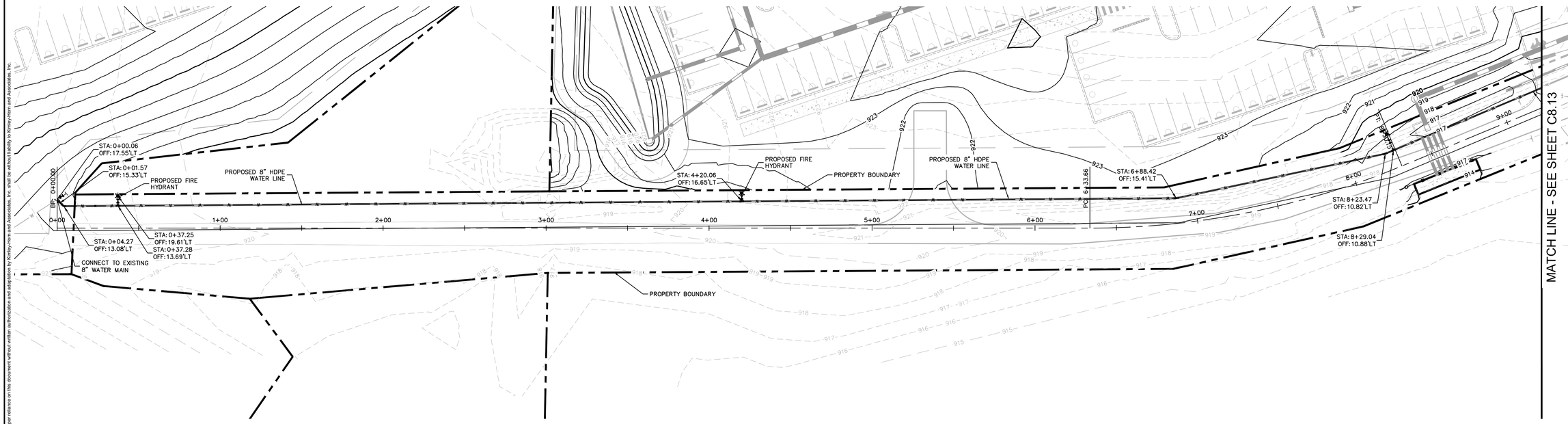
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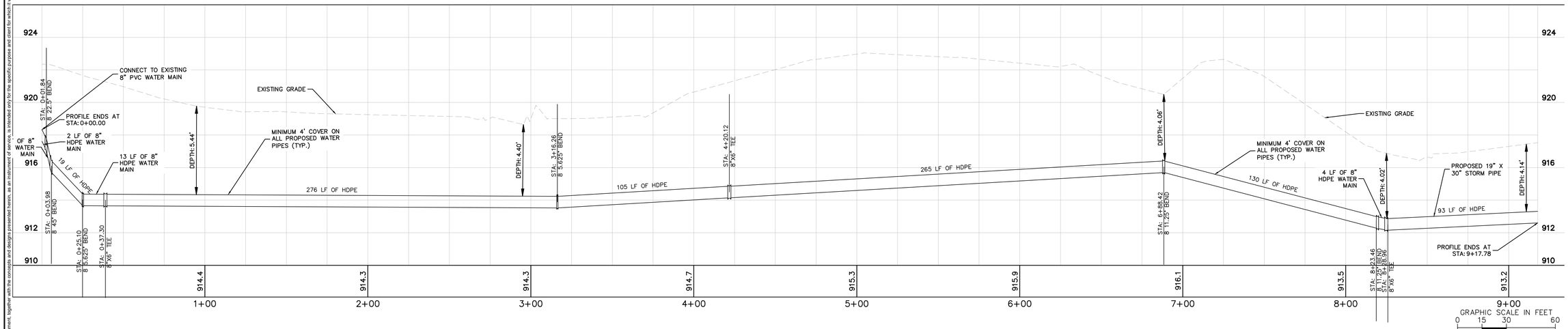
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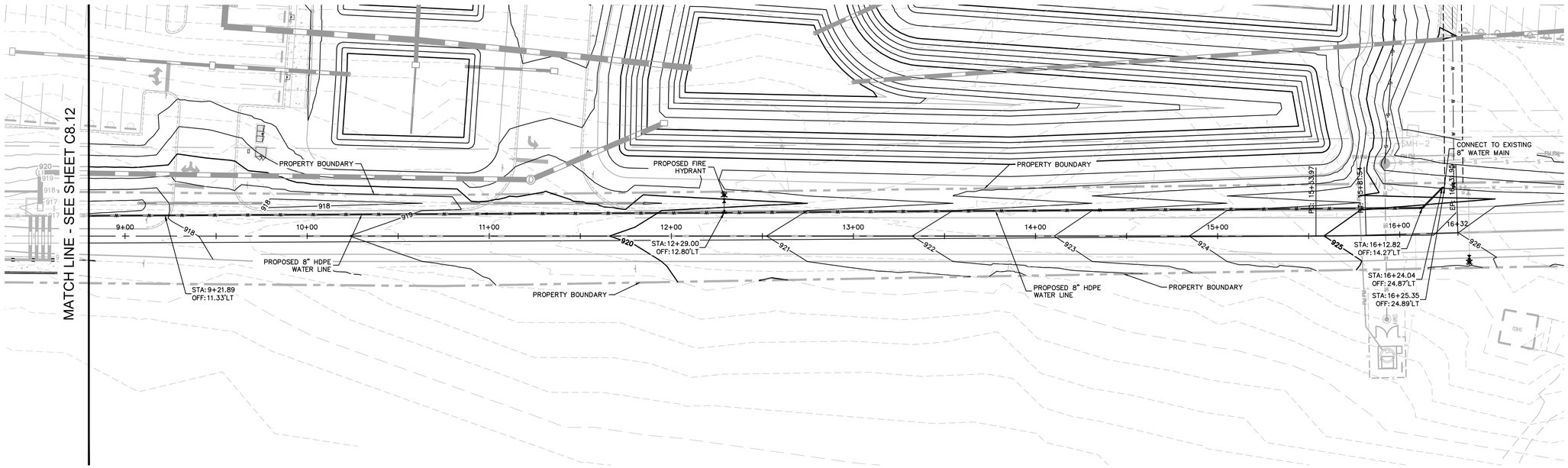
KHA PROJECT 249633002
DATE 1/15/2026
SCALE AS SHOWN
DESIGNED BY JDB
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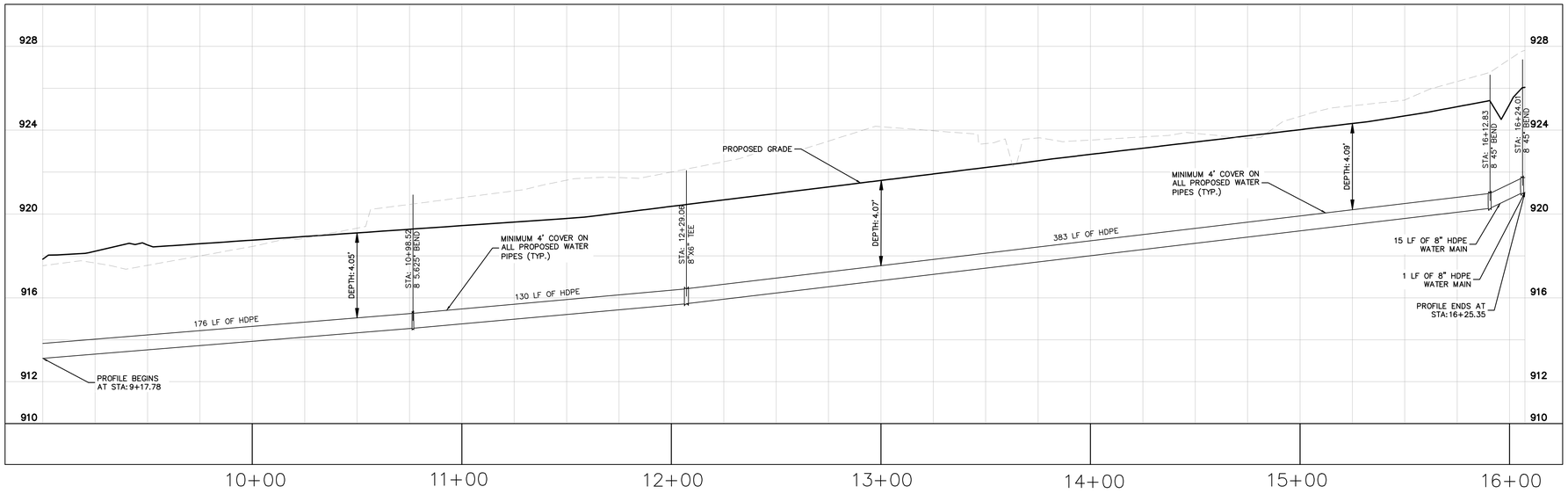
OFF-SITE WATER MAIN PROFILE

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS
NEW YORK

SHEET NUMBER
C8.12

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GRAPHIC SCALE IN FEET
0 15 30 60

GRAPHIC SCALE IN FEET
0 15 30 60
HORIZONTAL

0 1.5 3 6
VERTICAL

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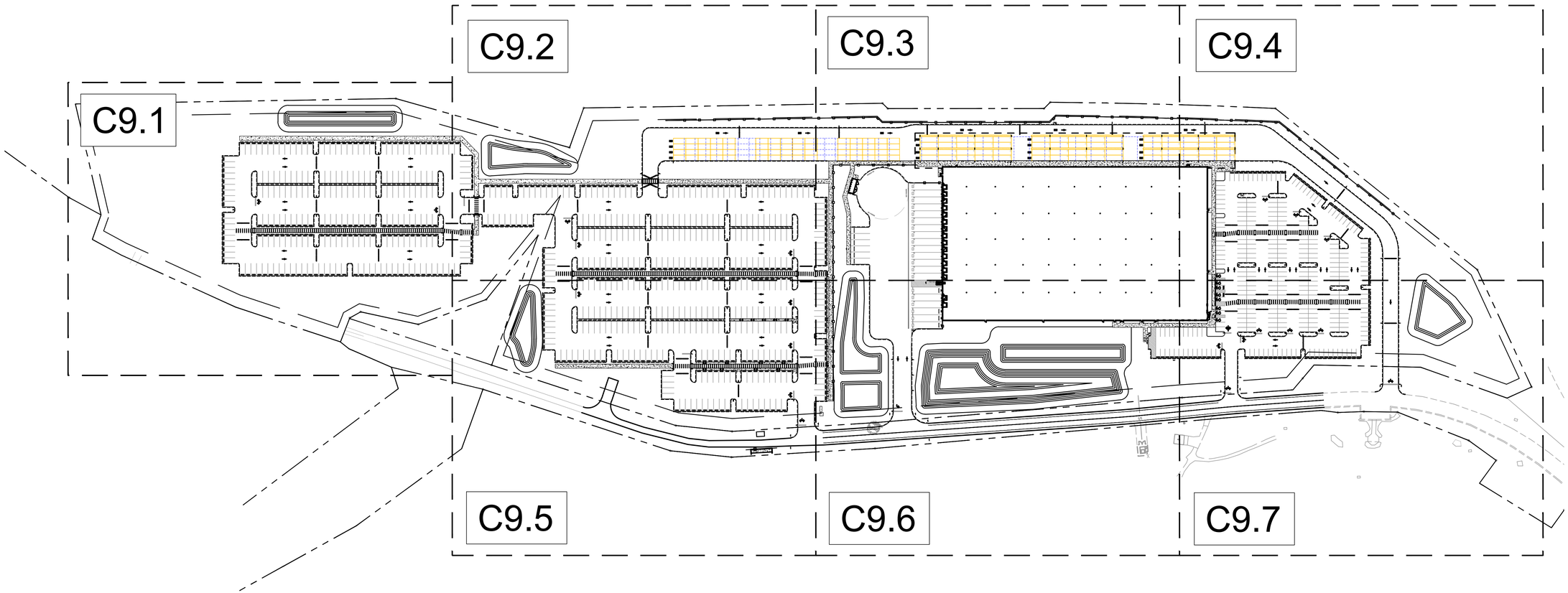
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OFF-SITE WATER MAIN PROFILE

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
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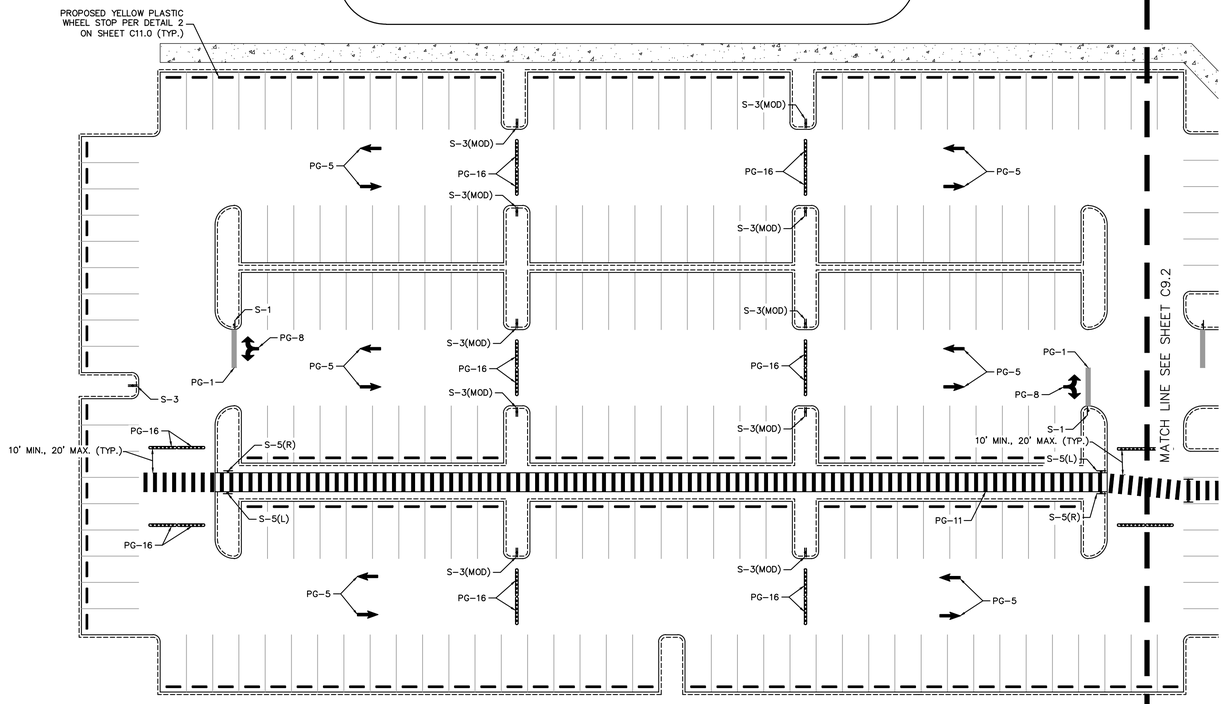
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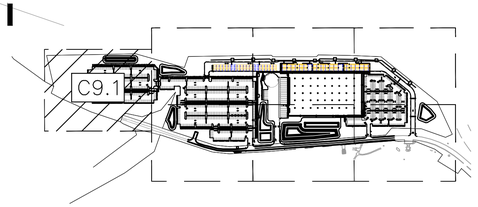
OVERALL SIGNAGE AND STRIPING PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C9.0

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KEY MAP
SCALE: 1"=500'

GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

SIGN FACE LEGEND

S-1	STOP SIGN
S-2	DO NOT ENTER
S-3	SPEED LIMIT, 5 MPH
S-3(MOD)	SPEED BUMP WITH 5 MPH PLACARD
S-5(L)	PEDESTRIAN WALKING (LEFT)
S-5(R)	PEDESTRIAN WALKING (RIGHT)
S-9(L)	LEFT TURN ONLY
S-14	NO PARKING ANYTIME
S-14(L)	NO PARKING ANYTIME (LEFT)
S-14(R)	NO PARKING ANYTIME (RIGHT)
S-15	ACCESSIBLE CAR PARKING
S-16	ACCESSIBLE VAN PARKING

TENANT SIGN FACE LEGEND

AS-1	ADDRESS SIGN
AS-5	YARD RULES POST
AS-6	TRUCK ENTRANCE
AS-12	TRAILER PARKING
AS-15(S)	EXIT STRAIGHT SIGN
AS-16	VAN WAYFINDING DIRECTIONAL SIGN
AS-26	MUSTER AREA
AS-41	NO IDING ZONE
AS-56	ICE ALERT SIGN
AS-58	LAND ON BLUE SIGN
AS-93	FLEX DRIVERS PARKING
AS-94	DSP DRIVERS PARKING

STRIPING (PAVEMENT GRAPHIC) LEGEND

PG-1	STOP BAR
PG-5	STRAIGHT ARROW
PG-6(L)	TURN LEFT ARROW
PG-7(R)	TURN RIGHT OR STRAIGHT ARROWS
PG-8	LEFT OR RIGHT TURN ARROWS
PG-9	LEFT, STRAIGHT, OR RIGHT TURN ARROWS
PG-11	CROSSWALK
PG-13	LAND ON BLUE STRIPE
PG-14	TRAILER SPACE NUMBERING
PG-16	SPEED BUMP
PG-17	ACCESSIBLE CAR PARKING
PG-18	ACCESSIBLE VAN PARKING
PG-20	PEDESTRIAN TABLE
PG-21	TRAILER PARKING
PG-22	TRACTOR DOCK PARKING
PG-23	JACK STAND AREA
PG-24	WARNING LINE
PG-26	BYPASS LANE
PG-27	VAN QUEUING GRAPHICS
PG-28A	TRUCK TURN AROUND AREA
PG-30	LAUNCH PAD NUMBERING
PG-31	LAUNCH PAD

LEGEND

XXX-## (LEFT/RIGHT/STRAIGHT) (DIRECTION)
- INDICATES ARROW DIRECTION, IF APPLICABLE
- SIGN NUMBER (PER LEGENDS)
- SIGN TYPE (S – SIGN, AS – TENANT SIGN)

GENERAL NOTES

1. ALL STRIPING SHALL BE SHERMIN-WILLIAMS SETFAST WATERBORNE TRAFFIC MARKING PAINT (TT-P-1952B), WATERBORNE GORILLA TRAFFIC MARKING PAINT, OR EQUAL.
2. COLOR SHALL BE WHITE ON ASPHALT AND YELLOW ON CONCRETE, UNLESS OTHERWISE NOTED.
3. SEE APPROVED PAVEMENT MARKING PAINT PER NYSDOT APPROVED MATERIALS LIST.
4. ALL SPEED HUMPS AND BUMPS SHALL BE ASPHALT OR CONCRETE. HEAVY DUTY RUBBER SPEED HUMPS AND BUMPS ARE NOT PERMITTED.
5. FINAL SIGN QUANTITIES SHALL BE COORDINATED AND VERIFIED IN THE FIELD.
6. ADDITIONAL SIGNAGE NOT SHOWN ON GRAPHICS PLAN (E.G. FIRE LANES) MAY BE REQUIRED PER LOCAL CODE AND/OR AHJ. SUB-CONTRACTOR SHALL COORDINATE WITH LOCAL AHJ AND PROVIDE AS REQUIRED.
7. MOUNT SIGNAGE ACCORDING TO LOCAL CODE.
8. TYPICAL SIGN FONT IS SET IN TENANT FONT.
9. ALL TEXT AND GRAPHICS SHALL BE WHITE IF THEY ARE TO BE PLACED ON RED BACKGROUND.
10. REFER TO SPECIFICATIONS FOR VENDOR INFORMATIONS.
11. TRAFFIC SIGNAGE, TENANT SIGNAGE, PAVEMENT GRAPHICS, BUILDING SIGNAGE ARE ALL PROVIDED AND INSTALLED BY CONSTRUCTION.
12. ALL SIGNAGE, STRIPING, AND OTHER TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN CONFORMANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
13. SIGNS WITH DIRECTIONAL ARROWS: ADJUST ARROWS PER FINAL LOCATION
14. ALL WHEEL STOPS SHALL BE PAINTED SAFETY YELLOW.
15. ALL SPEED BUMPS TO BE PLACED MINIMUM 10' DISTANCE FROM CROSSWALK WHEN APPLICABLE.
16. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER SITE FEATURES ARE SHOWN BASED ON THE TOPOGRAPHIC SURVEY PROVIDED BY FAGAN ENGINEERS & LAND SURVEYORS, P.C. DATED OCTOBER 1, 2025.

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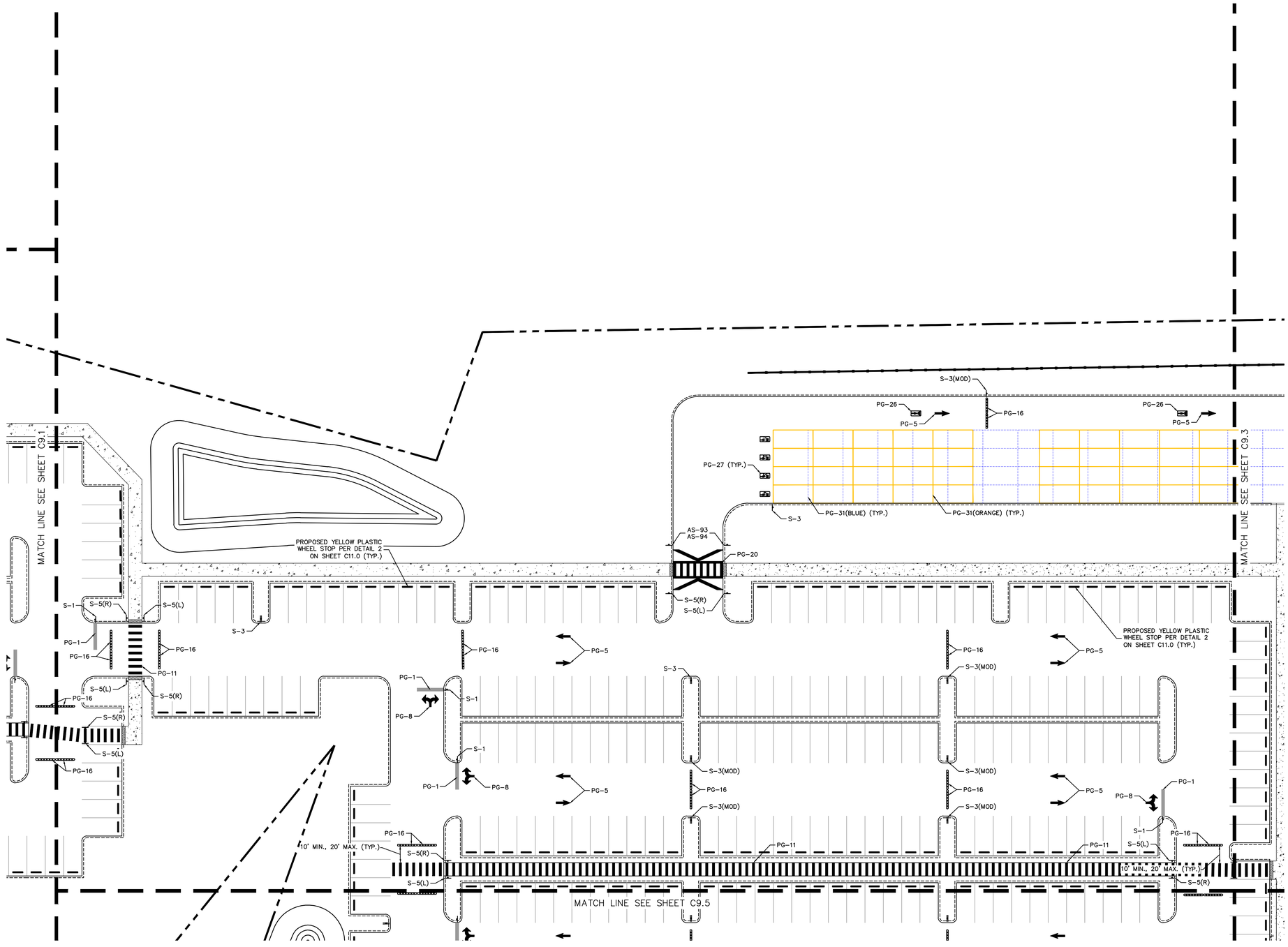
KHA PROJECT 249633002
DATE 1/15/2026
SCALE AS SHOWN
DESIGNED BY JDB
DRAWN BY JDB
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SIGNAGE AND STRIPING PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C9.1

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SIGN FACE LEGEND

S-1	STOP SIGN
S-2	DO NOT ENTER
S-3	SPEED LIMIT, 5 MPH
S-3(MOD)	SPEED BUMP WITH 5 MPH PLACARD
S-5(L)	PEDESTRIAN WALKING (LEFT)
S-5(R)	PEDESTRIAN WALKING (RIGHT)
S-9(L)	LEFT TURN ONLY
S-14	NO PARKING ANYTIME
S-14(L)	NO PARKING ANYTIME (LEFT)
S-14(R)	NO PARKING ANYTIME (RIGHT)
S-15	ACCESSIBLE CAR PARKING
S-16	ACCESSIBLE VAN PARKING

TENANT SIGN FACE LEGEND

AS-1	ADDRESS SIGN
AS-5	YARD RULES POST
AS-6	TRUCK ENTRANCE
AS-12	TRAILER PARKING
AS-15(S)	EXIT STRAIGHT SIGN
AS-16	VAN WAYFINDING DIRECTIONAL SIGN
AS-26	MUSTER AREA
AS-41	NO IDING ZONE
AS-56	ICE ALERT SIGN
AS-58	LAND ON BLUE SIGN
AS-93	FLEX DRIVERS PARKING
AS-94	DSP DRIVERS PARKING

STRIPING (PAVEMENT GRAPHIC) LEGEND

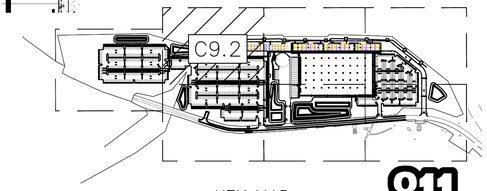
PG-1	STOP BAR
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PG-7(R)	TURN RIGHT OR STRAIGHT ARROWS
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PG-23	JACK STAND AREA
PG-24	WARNING LINE
PG-26	BYPASS LANE
PG-27	VAN QUEUING GRAPHICS
PG-28A	TRUCK TURN AROUND AREA
PG-30	LAUNCH PAD NUMBERING
PG-31	LAUNCH PAD

LEGEND

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- INDICATES ARROW DIRECTION, IF APPLICABLE
- SIGN NUMBER (PER LEGENDS)
- SIGN TYPE (S – SIGN, AS – TENANT SIGN)

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KEY MAP
SCALE: 1"=500'

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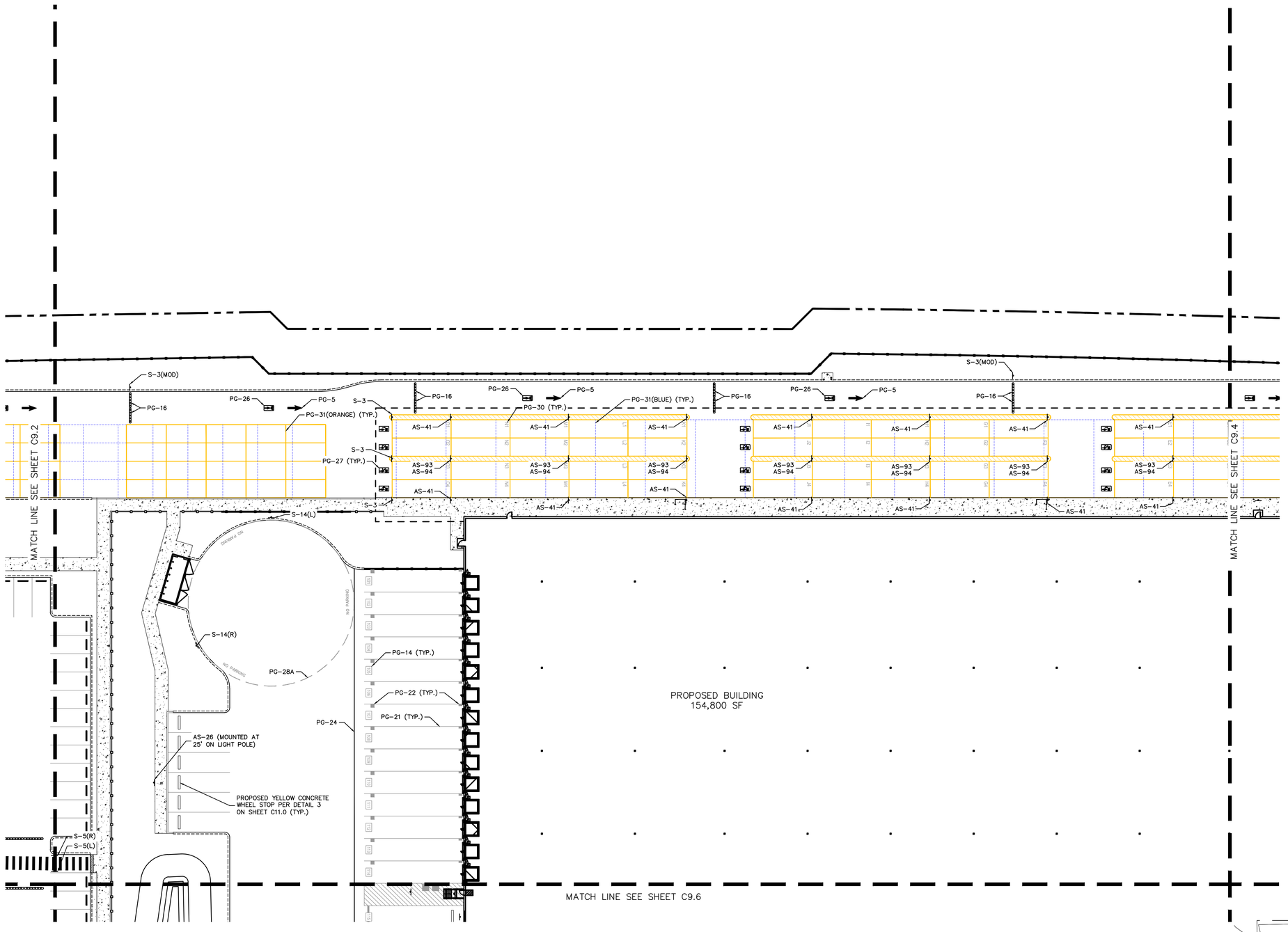
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SIGNAGE AND STRIPING PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C9.2



NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

SIGN FACE LEGEND

S-1	STOP SIGN
S-2	DO NOT ENTER
S-3	SPEED LIMIT, 5 MPH
S-3(MOD)	SPEED BUMP WITH 5 MPH PLACARD
S-5(L)	PEDESTRIAN WALKING (LEFT)
S-5(R)	PEDESTRIAN WALKING (RIGHT)
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S-14(L)	NO PARKING ANYTIME (LEFT)
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TENANT SIGN FACE LEGEND

AS-1	ADDRESS SIGN
AS-5	YARD RULES POST
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STRIPING (PAVEMENT GRAPHIC) LEGEND

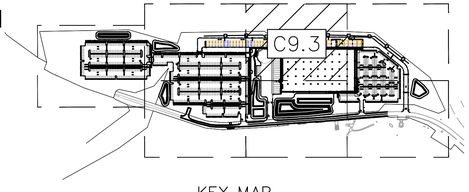
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PG-30	LAUNCH PAD NUMBERING
PG-31	LAUNCH PAD

LEGEND

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KEY MAP
SCALE: 1"=500'

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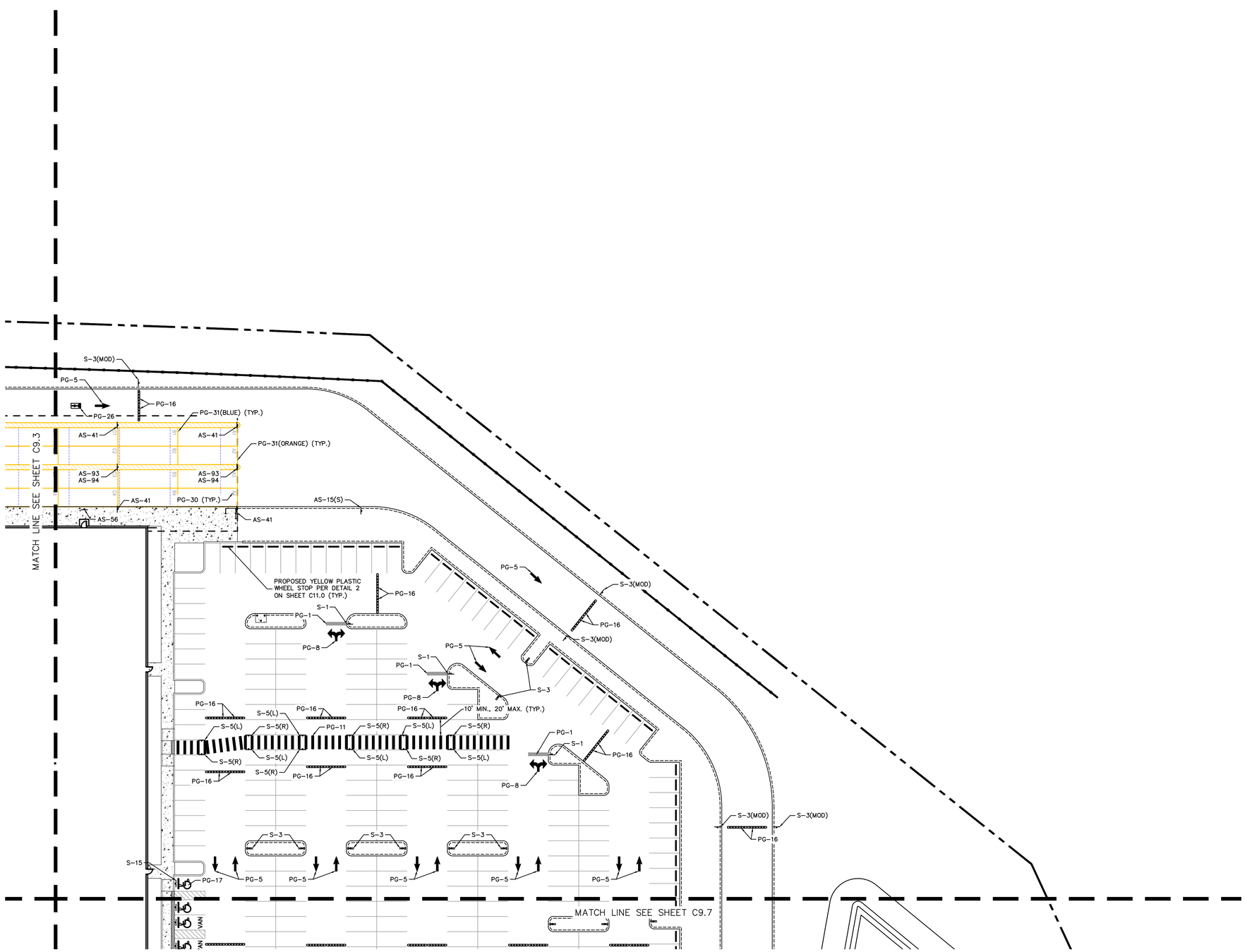
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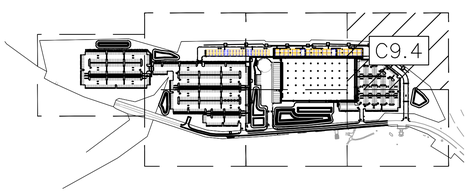
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DATE 1/15/2026
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DESIGNED BY JDB
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CHECKED BY DL

SIGNAGE AND STRIPING PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C9.3





KEY MAP
SCALE: 1"=500'

Know what's **below.**
Call before you dig.

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

SIGN FACE LEGEND

S-1	STOP SIGN
S-2	DO NOT ENTER
S-3	SPEED LIMIT, 5 MPH
S-3(MOD)	SPEED BUMP WITH 5 MPH PLACARD
S-5(L)	PEDESTRIAN WALKING (LEFT)
S-5(R)	PEDESTRIAN WALKING (RIGHT)
S-9(L)	LEFT TURN ONLY
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STRIPING (PAVEMENT GRAPHIC) LEGEND

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LEGEND

XXX-## (LEFT/RIGHT/STRAIGHT) (DIRECTION)
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- SIGN TYPE (S – SIGN, AS – TENANT SIGN)

GENERAL NOTES

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2. COLOR SHALL BE WHITE ON ASPHALT AND YELLOW ON CONCRETE, UNLESS OTHERWISE NOTED.
3. SEE APPROVED PAVEMENT MARKING PAINT PER NYSDOT APPROVED MATERIALS LIST.
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No.	REVISIONS	DATE	BY

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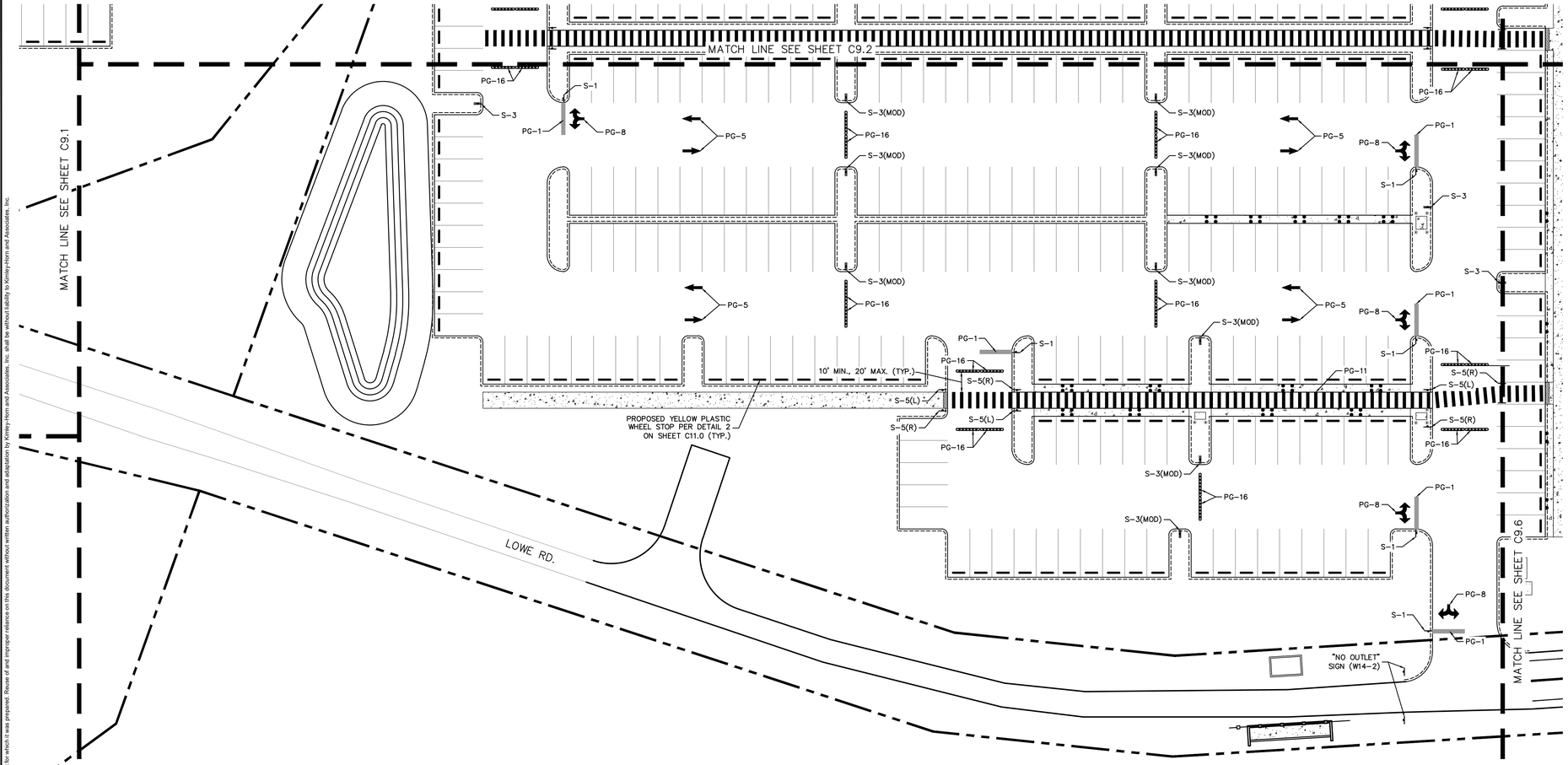
KHA PROJECT 249633002
DATE 1/15/2026
SCALE AS SHOWN
DESIGNED BY JDB
DRAWN BY JDB
CHECKED BY DL

SIGNAGE AND STRIPING PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS
NEW YORK

SHEET NUMBER
C9.4

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NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

SIGN FACE LEGEND

S-1	STOP SIGN
S-2	DO NOT ENTER
S-3	SPEED LIMIT, 5 MPH
S-3(MOD)	SPEED BUMP WITH 5 MPH PLACARD
S-5(L)	PEDESTRIAN WALKING (LEFT)
S-5(R)	PEDESTRIAN WALKING (RIGHT)
S-9(L)	LEFT TURN ONLY
S-14	NO PARKING ANYTIME
S-14(L)	NO PARKING ANYTIME (LEFT)
S-14(R)	NO PARKING ANYTIME (RIGHT)
S-15	ACCESSIBLE CAR PARKING
S-16	ACCESSIBLE VAN PARKING

TENANT SIGN FACE LEGEND

AS-1	ADDRESS SIGN
AS-5	YARD RULES POST
AS-6	TRUCK ENTRANCE
AS-12	TRAILER PARKING
AS-15(S)	EXIT STRAIGHT SIGN
AS-16	VAN WAYFINDING DIRECTIONAL SIGN
AS-26	MUSTER AREA
AS-41	NO IDING ZONE
AS-56	ICE ALERT SIGN
AS-58	LAND ON BLUE SIGN
AS-93	FLEX DRIVERS PARKING
AS-94	DSP DRIVERS PARKING

STRIPING (PAVEMENT GRAPHIC) LEGEND

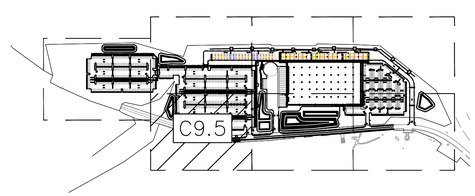
PG-1	STOP BAR
PG-5	STRAIGHT ARROW
PG-5(L)	TURN LEFT ARROW
PG-7(R)	TURN RIGHT OR STRAIGHT ARROWS
PG-8	LEFT OR RIGHT TURN ARROWS
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PG-16	SPEED BUMP
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PG-21	TRAILER PARKING
PG-22	TRACTOR DOCK PARKING
PG-23	JACK STAND AREA
PG-24	WARNING LINE
PG-26	BYPASS LANE
PG-27	VAN QUEUING GRAPHICS
PG-28A	TRUCK TURN AROUND AREA
PG-30	LAUNCH PAD NUMBERING
PG-31	LAUNCH PAD

LEGEND

XXX-## (LEFT/RIGHT/STRAIGHT) (DIRECTION)
- INDICATES ARROW DIRECTION, IF APPLICABLE
- SIGN NUMBER (PER LEGENDS)
- SIGN TYPE (S – SIGN, AS – TENANT SIGN)

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KEY MAP
SCALE: 1"=500'

811 Know what's below. Call before you dig.

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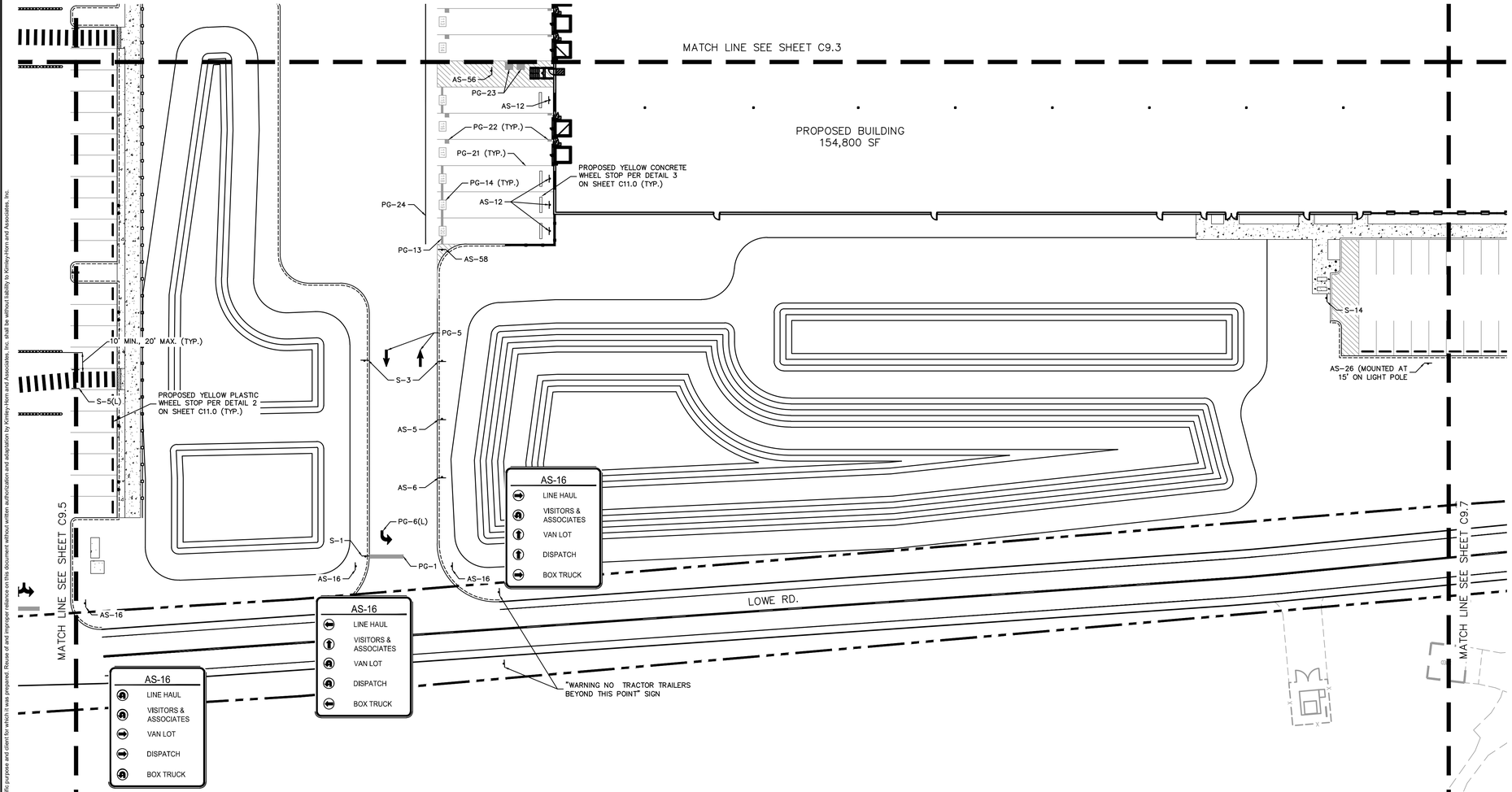
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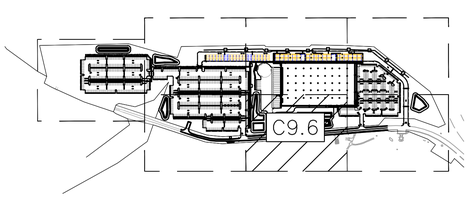
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CHECKED BY DL

SIGNAGE AND STRIPING PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C9.5





KEY MAP
SCALE: 1"=500'

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

SIGN FACE LEGEND

S-1	STOP SIGN
S-2	DO NOT ENTER
S-3	SPEED LIMIT, 5 MPH
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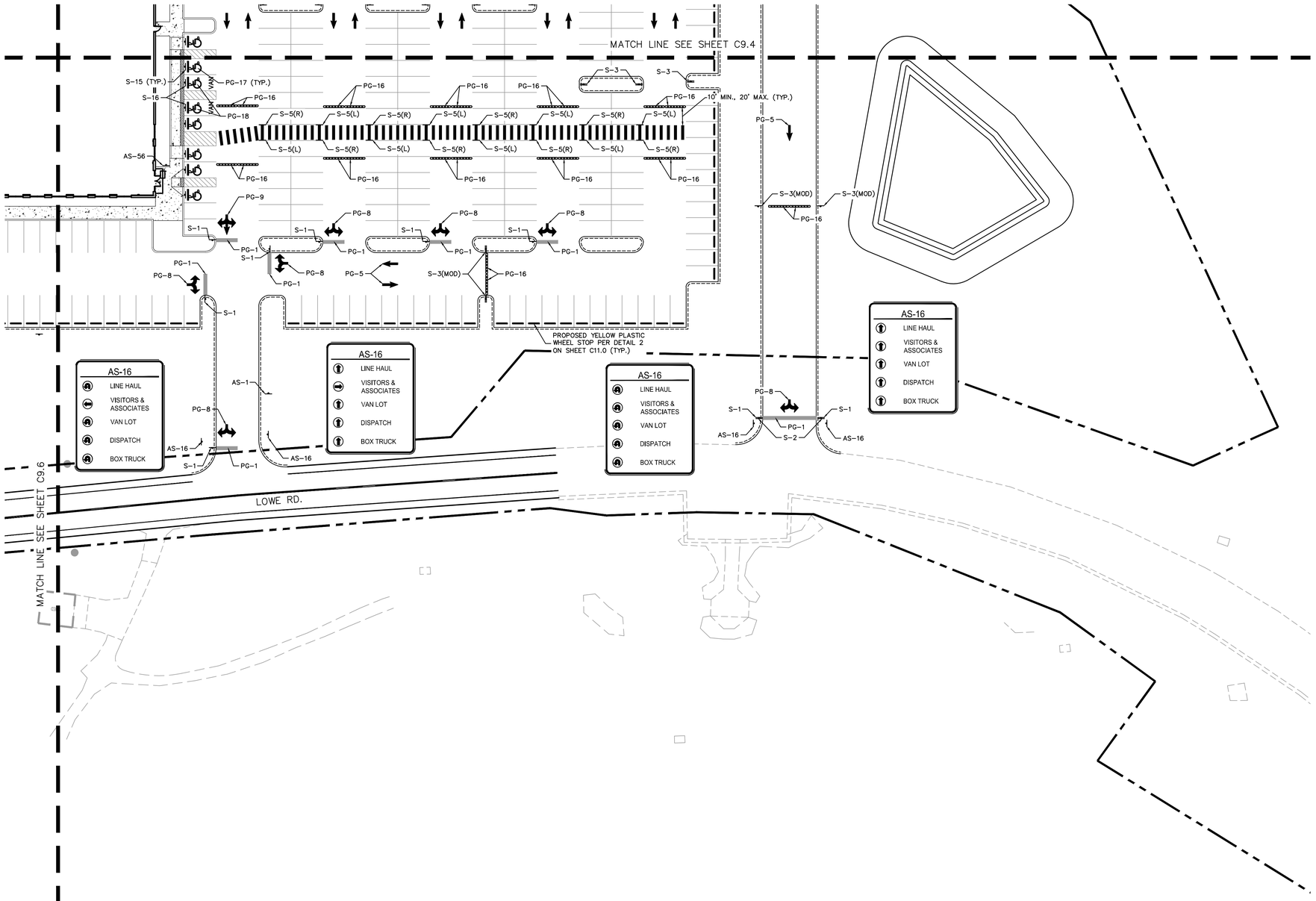
KHA PROJECT 249633002
DATE 1/15/2026
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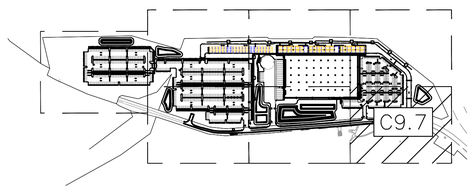
SIGNAGE AND STRIPING PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C9.6

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KEY MAP
SCALE: 1"=500'

Know what's **below.**
Call before you dig.

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

SIGN FACE LEGEND

S-1	STOP SIGN
S-2	DO NOT ENTER
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LEGEND

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SIGNAGE AND STRIPING PLAN

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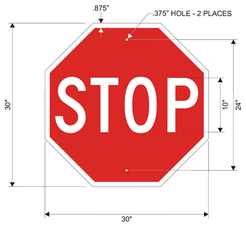
SHEET NUMBER
C9.7

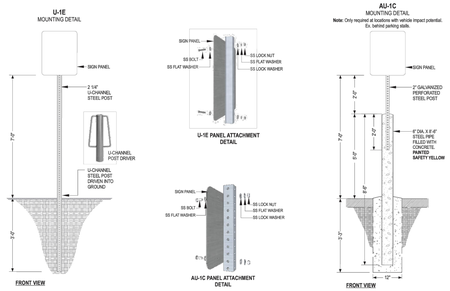
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SAFETY COLORS

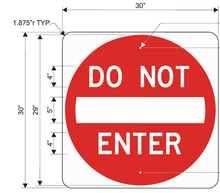
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Safety Orange		PMS 151C		
Safety Yellow		PMS 109C		
Safety Green		PMS 335C		

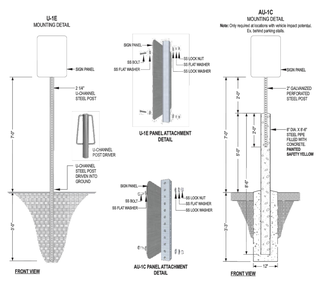


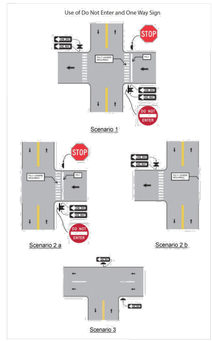


INSTALLED BY CONSTRUCTION

Designation: S-1	**Notes:** For use at single lane intersections. (See S-1b for multiple lanes) Use at intersections in parking lot and drive aisles. Post and panel mount. No sign shall be mounted on the back of a stop sign that extends beyond the edges of the stop sign.	**Colors:** TRANSPARENT RED, REFLECTIVE WHITE
Description: Stop Sign / MUTCD R1-1		
Substrate: .080" Alum.		
Graphics: Digitally printed graphics on high intensity reflective sheeting		

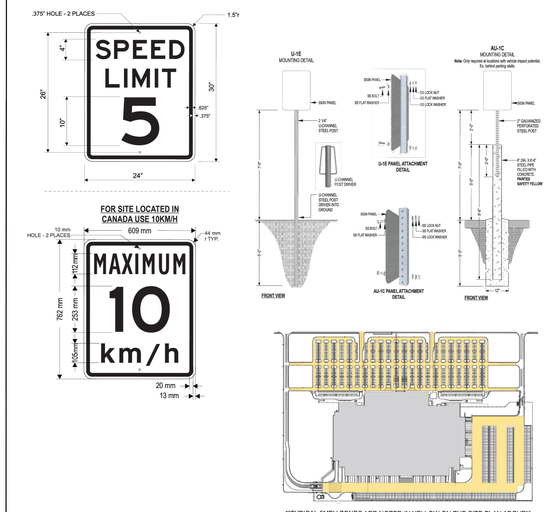






INSTALLED BY CONSTRUCTION

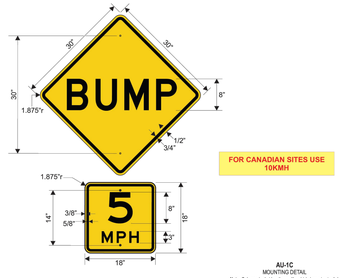
Designation: S-2	**Notes:** Use to prohibit travel in the wrong direction. Typical at one-way roads. Post and panel mount. **Designer's Note:** Do Not Enter sign shall not be mounted to the back of a stop sign.	**Colors:** TRANSPARENT RED, REFLECTIVE WHITE
Description: Do Not Enter Sign (30") / MUTCD R5-1		
Substrate: .080" Alum.		
Graphics: Digitally printed graphics on high intensity reflective sheeting		

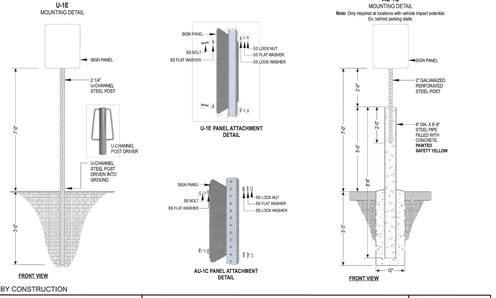


****TYPICAL 5MPH ZONES ARE NOTED IN YELLOW ON THE SITE PLAN ABOVE****

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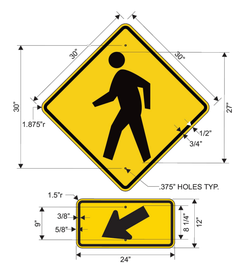
Designation: S-3	**Notes:** For use at single lane aisles. (See S-3b for multiple lanes) Use to control vehicle speed along drive aisles with adjacent parking spots. Post and panel mount.	**Colors:** OPAQUE BLACK, REFLECTIVE WHITE
Description: Speed Limit 5mph (30") Sign MUTCD R2-1		
Substrate: .080" Alum.		
Graphics: Digitally printed graphics on high intensity reflective sheeting		

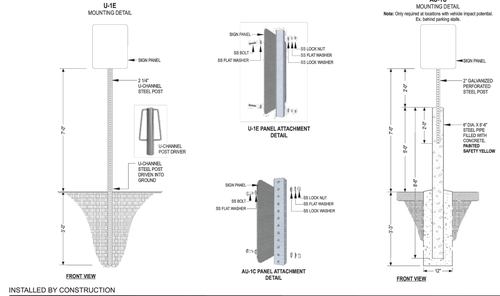




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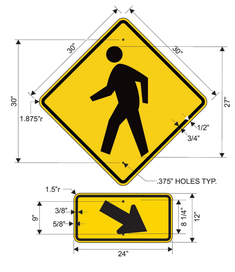
Designation: S-3(Mod)	**Notes:** DOT standard SPEED BUMP sign, with 5 MPH sign supplemental placard. Use at speed bumps. Post and panel mount.	**Colors:** OPAQUE BLACK, REFLECTIVE YELLOW
Description: Bump/Speed Limit 5mph Sign MUTCD W8-1 AND W13-1P		
Substrate: .080" Alum.		
Graphics: Digitally printed graphics on high intensity reflective sheeting		

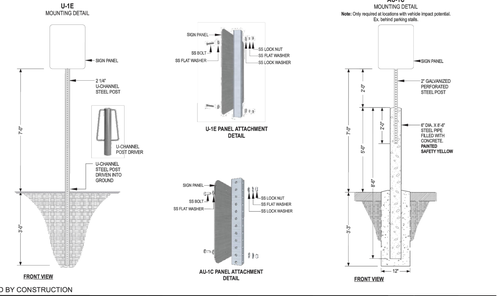




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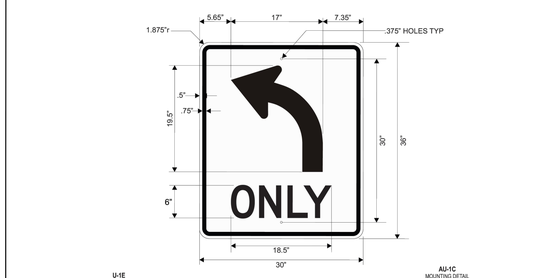
Designation: S-5(L)	**Notes:** DOT standard PEDESTRIAN CROSSING sign with LEFT arrow. 30" x 30" sign with 12" x 24" placard DOT standard PEDESTRIAN CROSSING sign with arrow. Use at mid-block pedestrian crossings. Post and Panel mount. **Designer's Note:** LED lights or Rectangular Rapid Flash Beacon may be added at high traffic intersections as determined by Civil Engineer / WHS This sign shall not be used at stop controlled intersections.	**Colors:** OPAQUE BLACK, REFLECTIVE YELLOW
Description: Pedestrian Walking Sign / MUTCD W11-2 and W16-7pL		
Substrate: .080" Alum.		
Graphics: Digitally printed graphics on high intensity reflective sheeting		





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Designation: S-5(R)	**Notes:** DOT standard PEDESTRIAN CROSSING sign with RIGHT arrow. 30" x 30" sign with 12" x 24" placard DOT standard PEDESTRIAN CROSSING sign with arrow. Use at mid-block pedestrian crossings. Post and Panel mount. **Designer's Note:** LED lights or Rectangular Rapid Flash Beacon may be added at high traffic intersections as determined by Civil Engineer / WHS This sign shall not be used at stop controlled intersections.	**Colors:** OPAQUE BLACK, REFLECTIVE YELLOW
Description: Pedestrian Walking Sign / MUTCD W11-2 and W16-7pR		
Substrate: .080" Alum.		
Graphics: Digitally printed graphics on high intensity reflective sheeting		



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Designation: S-9L	**Notes:** DOT standard LEFT TURN ONLY Use to demarcate intersections where movement is restricted by that lane, not along one way drive aisles. Post and panel mount.	**Colors:** OPAQUE BLACK, REFLECTIVE WHITE
Description: Left Turn Only Sign / MUTCD R3-5L		
Substrate: .080" Alum.		
Graphics: Digitally printed graphics on high intensity reflective sheeting		

No.	REVISIONS	DATE	BY

Kimley»Horn
New York

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KHA PROJECT 249633002
DATE 1/15/2026
SCALE AS SHOWN
DESIGNED BY JDB
DRAWN BY JDB
CHECKED BY DL

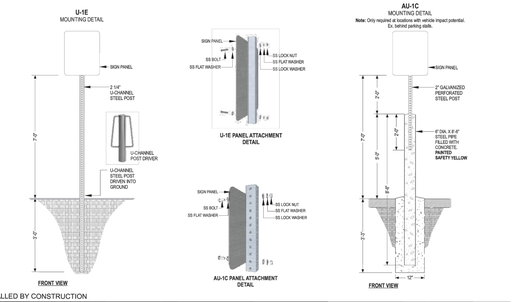
SIGNAGE AND STRIPING DETAILS

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C9.8

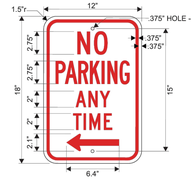
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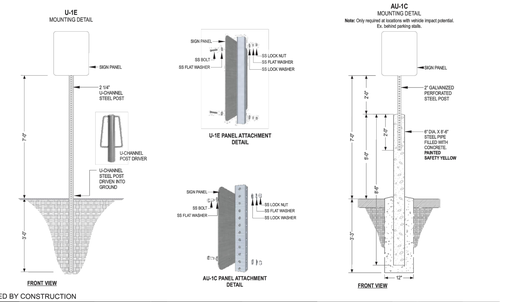




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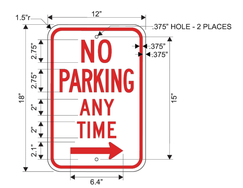
Designation: S-14	**Notes:** Use to prohibit parking. Post and panel mount.
Description: No Parking Sign/MUTCD R7-1	**Colors:** TRANSPARENT RED, REFLECTIVE WHITE
Substrate: .080" Alum.	
Graphics: Digitally printed graphics on high intensity reflective sheeting	

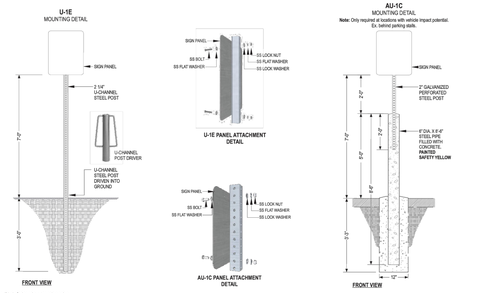




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Designation: S-14L	**Notes:** Use to prohibit parking to LEFT of sign. Post and panel mount.
Description: No Parking Sign Left / MUTCD R7-1	**Colors:** TRANSPARENT RED, REFLECTIVE WHITE
Substrate: .080" Alum.	
Graphics: Digitally printed graphics on high intensity reflective sheeting	

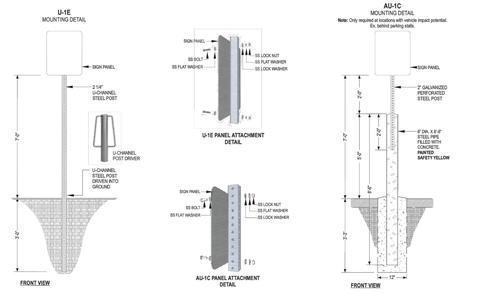




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Designation: S-14R	**Notes:** Use to prohibit parking to RIGHT of sign. Post and panel mount.
Description: No Parking Sign Right / MUTCD R7-1	**Colors:** TRANSPARENT RED, REFLECTIVE WHITE
Substrate: .080" Alum.	
Graphics: Digitally printed graphics on high intensity reflective sheeting	

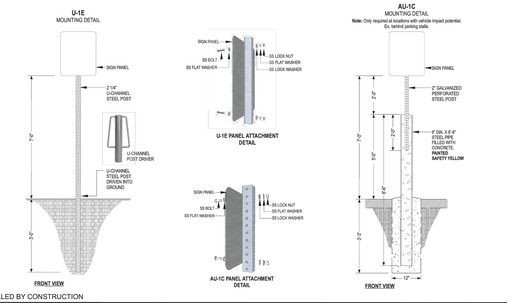




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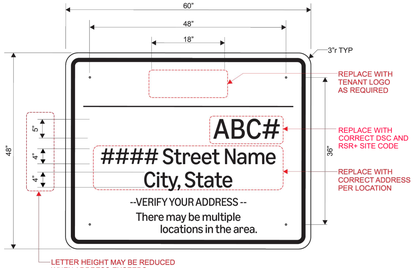
Designation: S-15	**Notes:** Use to demarcate accessible parking spaces. Post and panel mount. One sign per space or as req'd by local authority. Graphic shall be substituted with local equivalent based on project specific regulations.
Description: Accessible Parking/ MUTCD R7-8	**Colors:** TRANSPARENT GREEN, REFLECTIVE WHITE, TRANSPARENT BLUE
Substrate: .080" Alum.	
Graphics: Digitally printed graphics on high intensity reflective sheeting	

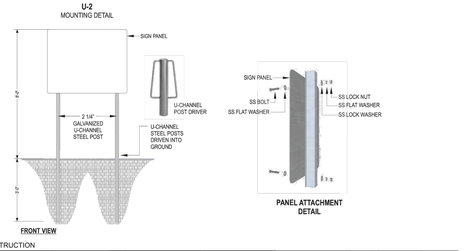




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Designation: S-16	**Notes:** Use to demarcate van accessible parking spaces. Post and panel mount. One sign per space or as req'd by local authority. Graphic shall be substituted with local equivalent based on project specific regulations.
Description: Accessible Parking Van MUTCD R7-8P	**Colors:** TRANSPARENT GREEN, REFLECTIVE WHITE, TRANSPARENT BLUE
Substrate: .080" Alum.	
Graphics: Digitally printed graphics on high intensity reflective sheeting	

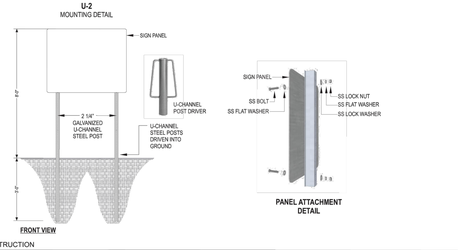




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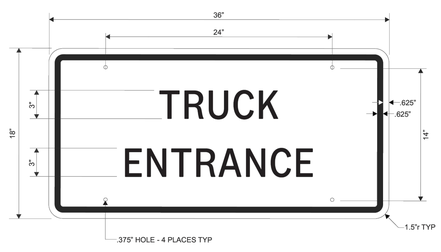
Designation: AS-1	**Notes:** **Panel** : 1/8" Alum. panel with high intensity reflective white sheeting. Panels to have radiused corners **Copy** : Die-cut 3M Cast Black vinyl 230-22 -OR- Direct print black copy **Font** : Ember Modern Display Standard **Installation** : Mounted with (2) square galvanized steel post, footings & breakaways. Use at all entrances to public roadway that do not have a monument sign. Post (x2) and panel mount. Black text on Reflective White background.
Description: Signage - Building Address	**Colors:** OPAQUE BLACK, REFLECTIVE WHITE
Substrate: .080" Pre-Finished Alum. Sheet	
Graphics: 3M Black Vinyl 230-22 -OR- Direct printed graphics	

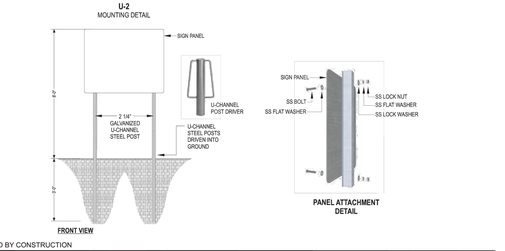




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Designation: AS-5	**Notes:** **Panel** : 1/8" Alum. panel with high intensity reflective white sheeting. Panels to have radiused corners **Graphics** : Direct print graphics **Font** : Ember Modern Display Standard **Installation** : Mounted with (2) square galvanized steel post, footings & breakaways.
Description: Yard Rules	**Colors:** OPAQUE BLACK, REFLECTIVE WHITE, SAFETY RED RMS 186C (PT-10), MUSTER BLUE RMS 300C, SAFETY YELLOW RMS 109C (PT-8), DAY GLO ORANGE AT BLUE LINE, DAY CUSTOM COLOR Colorant 22.33 94 128 0 Blue 24 32 →
Substrate: .080" Pre-Finished Alum. Sheet	
Graphics: Direct printed graphics	





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Designation: AS-6	**Notes:** **Panel** : 1/8" Alum. panel with high intensity reflective white sheeting. Panels to have radiused corners **Copy** : Die-cut 3M Cast Black vinyl 230-22 -OR- Direct print black copy **Font** : Ember Modern Display Standard **Installation** : Mounted with (2) square galvanized steel post, footings & breakaways. Use to demarcate truck entrance.
Description: Truck Entrance	**Colors:** OPAQUE BLACK, REFLECTIVE WHITE
Substrate: .080" Pre-Finished Alum. Sheet	
Graphics: 3M Black Vinyl 230-22 -OR- Direct printed graphics	

No.	REVISIONS	DATE	BY

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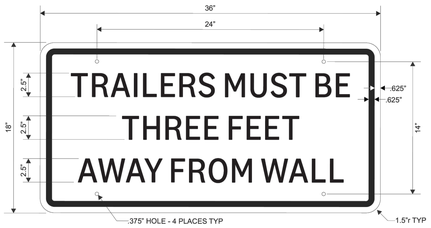
KHA PROJECT 249633002
DATE 1/15/2026
SCALE AS SHOWN
DESIGNED BY JDB
DRAWN BY JDB
CHECKED BY DL

SIGNAGE AND STRIPING DETAILS

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C9.9

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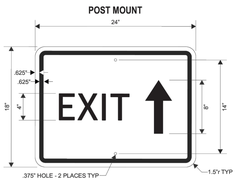


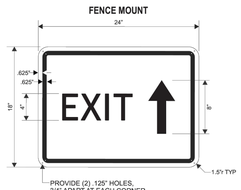


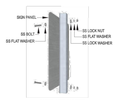
TYPICAL MOUNTING DETAIL
EXTERIOR

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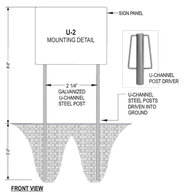
Designation: AS-12	**Notes:** **Panel :** 1/8" Alum. panel with high intensity reflective white sheeting. Panels to have radiused corners **Copy :** Die-cut 3M Cast Black vinyl 230-22 -OR- Direct print black copy **Font :** Ember Modern Display Standard **Installation :** Mounted to wall. OPTIONAL: mounted with (2) square galvanized steel post, footings & breakaways. Use at trailer parking against wall or building. Mount directly to exterior facade or wall at 8'-0" above grade. **Designer Note:** Post (x2) and panel mount only if mounting to facade or wall not allowed.	**Colors:** OPAQUE BLACK REFLECTIVE WHITE
Description: Trailers 3'-0" From Wall		
Substrate: .080" Pre-Finished Alum. Sheet		
Graphics: 3M Black Vinyl 230-22 -OR- Direct printed graphics		

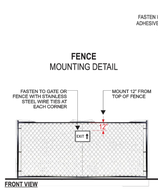


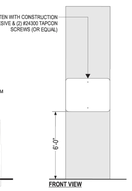




PANEL ATTACHMENT DETAIL

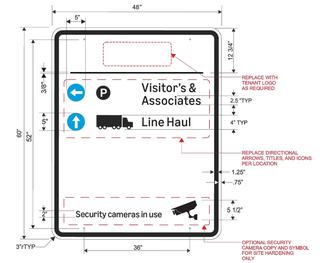


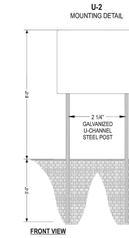


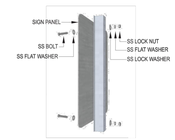


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Designation: AS-15(S)	**Notes:** **Panel :** 1/8" Alum. panel with high intensity reflective white sheeting. Panels to have radiused corners **Copy :** Die-cut 3M Cast Black vinyl 230-22 -OR- Direct print black copy **Font :** Ember Modern Display Standard **Installation :** Mount to inward facing side of gate or fence. Sign can also be mounted to a column. **OPTIONAL Installation:** Mounted with 2" square galvanized steel post, footings & breakaways.	**Colors:** OPAQUE BLACK REFLECTIVE WHITE
Description: Exit Straight Arrow		
Substrate: .080" Pre-Finished Alum. Sheet		
Graphics: 3M Black Vinyl 230-22 -OR- Direct printed graphics		



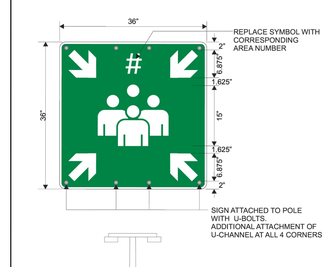


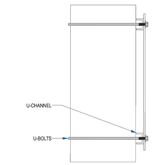


PANEL ATTACHMENT DETAIL

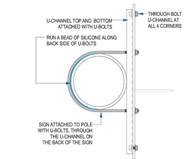
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Designation: AS-16	**Notes:** **Panel :** 1/8" Alum. panel with high intensity reflective white sheeting. Panels to have radiused corners **Copy :** Die-cut 3M Cast vinyl -OR- Direct print copy **Font :** Ember Modern Display Standard **Installation :** Mounted with (2) square galvanized steel post, footings & breakaways. Use to direct traffic at intersections. Adjust directional arrows and titles per site location.	**Colors:** OPAQUE BLACK REFLECTIVE WHITE PRIME BLUE
Description: Site Wayfinding		
Substrate: .080" Pre-Finished Alum. Sheet		
Graphics: 3M Black Vinyl 230-22 & 3M Olympic Blue 3630-57 -OR- Direct printed graphics		

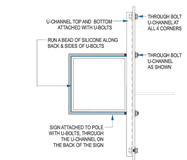




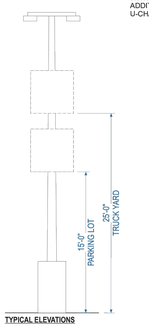
BRACKET DETAIL SIDE VIEW



PLAN VIEW @ ROUND POLE



PLAN VIEW @ SQUARE TUBE

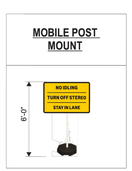


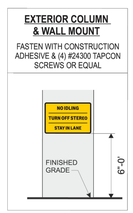
TYPICAL ELEVATIONS

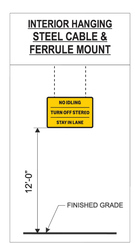
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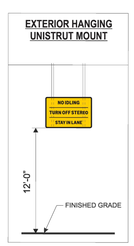
Designation: AS-26	**Notes:** Replace "#" with corresponding area number (see plans). Pole mounted at 10'-0" above finished grade in car parking lot and 25'-0" above finished grade in trailer yard - see detail. White graphics on CB green (PMS 348C) background. **Designer's Note:** A muster point is a designated place or an area where all employees or a large crowd assemble in case of an emergency in a building or public place. It is also knows as an emergency assembly point (EAP), or, simply, assembly point. All muster points shall be place a minimum of 50' from a building.	**Colors:** WHITE PMS 348 C
Description: Muster Area		
Substrate: .080" Alum. Pre-finished White		
Graphics: Direct Digital Print		







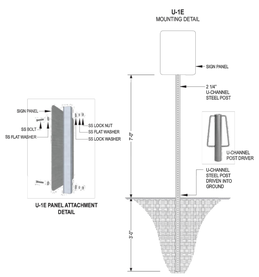




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Designation: AS-41	**Notes:** **At Exterior:** Mount to nearby columns at launch pads or at a post out of lane of traffic in the queuing pad. In the absence of a column, mount to a unistrut at 12' from bottom of signage to finished grade level. (2) per pad at the beginning of the launch or queuing pad. **Font:** Ember Modern Display Bold **At Interior Parking Areas:** Mount to a nearby column or wall at interior queuing lane at 6'-0" from bottom of sign. In the absence of a nearby column or wall, mount sign to a post with 60 lbs. base at 6'-0" from top of signage to finished grade level or hang from structure above via 1/16" x 90 lbs. workload, coated steel cable w/ ferrule, (2) per launch pad spaced out of the lane of traffic. **Assy. to Include:** 60 lbs Weighted Rubber Base + 6' Plastic 1.70" Square Post + Mounting Hardware	**Colors:** OPAQUE BLACK YELLOW PMS 116 C
Description: No Idling Zone - 24" X 36"		
Substrate: .080" Pre-Finished Alum. Sheet		
Graphics: 3M Black Vinyl 230-22 -OR- Direct printed graphics		





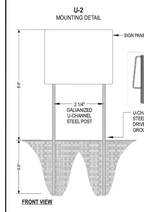
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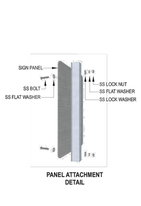
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Designation: AS-56	**Notes:** Used to indicate freezing temperatures. Required at sites with winter temperatures of 35 degrees F (1.6 degrees C) or less. Post and panel mount: 2" Galvanized, perforated U-channel post direct buried into soil 3ft. (No footing required) IceAlert® unit is mounted on a 7" x 10" backing sign which graphically indicates that "a blue star means freezing temperatures". Install IceAlert® Reflectors slightly below eye-level (approximately 4'9"), FACING TRAFFIC in parking lots, on walkways and outside of each exit door so everyone passes one on the way in or out. Signs can be purchased at: https://www.icealert.com/ice-alert	**Colors:** TRANSPARENT BLUE REFLECTIVE WHITE
Description: Freezing Temperature Warning sign		
Substrate: .080" Alum.		
Graphics: Stock Item		

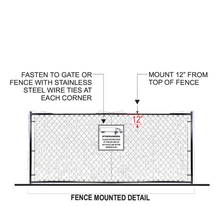






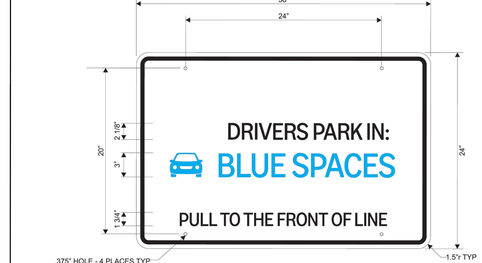


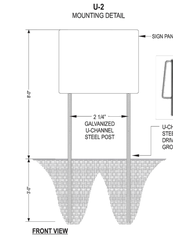
PANEL ATTACHMENT DETAIL

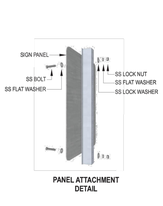


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Designation: AS-58	**Notes:** **Panel :** 1/8" Alum. panel with high intensity reflective white sheeting. Panels to have radiused corners **Copy :** Die-cut 3M Cast Black vinyl 230-22 -OR- Direct print black copy **Font :** Ember Modern Display Standard & Bold **Installation :** Mounted with (2) square galvanized steel post, footings & breakaways. **OPTIONAL Installation:** Mount to inward facing side of gate or fence. **Designer Note:** Minimum one sign required at entry to truck yard; minimum one additional sign for each side of building where trailer parking present. Use in conjunction with PG-13 "Land on Blue Stripe".	**Colors:** OPAQUE BLACK REFLECTIVE WHITE LAND ON BLUE AMAZON SW CUSTOM ORD # 0358110
Description: Land on Blue - Logo Sign		
Substrate: .080" Pre-Finished Alum. Sheet		
Graphics: Direct printed graphics		







PANEL ATTACHMENT DETAIL

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Designation: AS-93	**Notes:** **Panel :** 1/8" Alum. panel with high intensity reflective white sheeting. Panels to have radiused corners **Copy :** Digitally printed -OR- Direct print black copy **Font :** Ember Modern Display Standard **Installation :** Mounted with (2) square galvanized steel post, footings & breakaways.	**Colors:** OPAQUE BLACK REFLECTIVE WHITE PRIME BLUE
Description: Flex Drivers Parking		
Substrate: .080" Pre-Finished Alum. Sheet		
Graphics: Digitally Printed or Direct Print Graphics		

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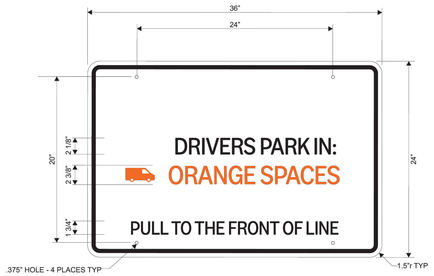
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DATE 1/15/2026
SCALE AS SHOWN
DESIGNED BY JDB
DRAWN BY JDB
CHECKED BY DL

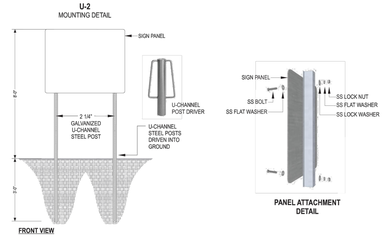
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SHEET NUMBER
C9.10

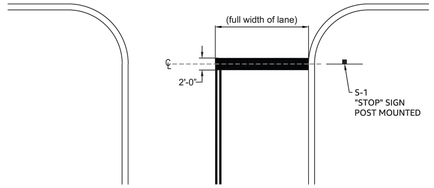
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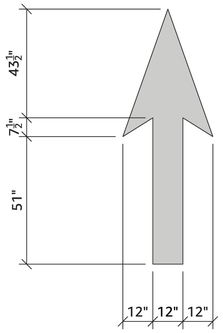
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Designation: AS-94	**Notes:** **Panel** : 1/8" Alum. panel with high intensity reflective white sheeting. Panels to have radiused corners **Copy** : Digitally printed +OR- Direct print black copy **Font** : Ember Modern Display Standard **Installation** : Mounted with (2) square galvanized steel post, footings & breakaways.	**Colors:** OPAQUE BLACK REFLECTIVE WHITE SMILE ORANGE
Description: DSP Drivers Parking		
Substrate: .080" Pre-Finished Alum. Sheet		
Graphics: Digitally Printed or Direct Print Graphics		



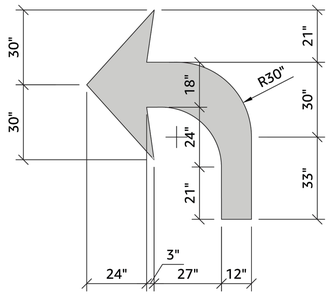
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Designation: PG-1	**Notes:** Used at all STOP sign (S-1 or S-1b) locations. Stop and yield lines should be placed a minimum of 4' in advance of and parallel to the nearest crosswalk line at controlled intersections. In the absence of a marked crosswalk, the stop line should be placed at the desired stopping point, but should be placed no more than 30' nor less than 4' from the nearest edge of the intersecting traveled way. Stop lines should be placed to allow sufficient sight distance to all other approaches to an intersection. Guidance for 'STOP' pavement graphic: MUTCD Section 3B.20 Pavement Word, Symbol, and Arrow Markings. (source: https://mutcd.fhwa.dot.gov/htm/2009/part3/part3b.htm#section3B20) Guidance: Letters and numerals should be 6 feet or more in height.	**Colors:** C1 WHITE
Description: Pavement Graphics Stop Bar		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



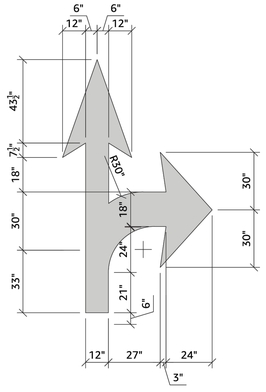
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Designation: PG-5	**Notes:** Used to direct traffic at one-way drive aisles. Color shall be white on asphalt and yellow on concrete, unless otherwise noted.	**Colors:** C1 WHITE SAFETY YELLOW PMS 109 C
Description: Pavement Graphics/Straight Arrow		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



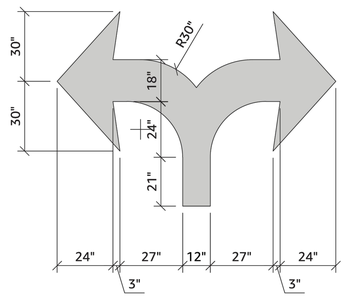
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Designation: PG-6L	**Notes:** Used to indicate left turning lanes. Color shall be white on asphalt and yellow on concrete, unless otherwise noted. PG-6R opposite arrow.	**Colors:** C1 WHITE SAFETY YELLOW PMS 109 C
Description: Pavement Graphics/Left Turn		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



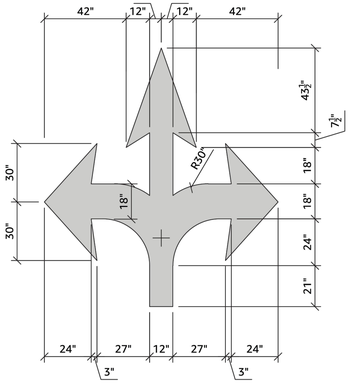
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Designation: PG-7R	**Notes:** Used to indicate straight or right turning lanes. Color shall be white on asphalt and yellow on concrete, unless otherwise noted. PG-7(L) opposite turn arrow.	**Colors:** C1 WHITE SAFETY YELLOW PMS 109 C
Description: Pavement Graphics/Straight or Right Turn		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



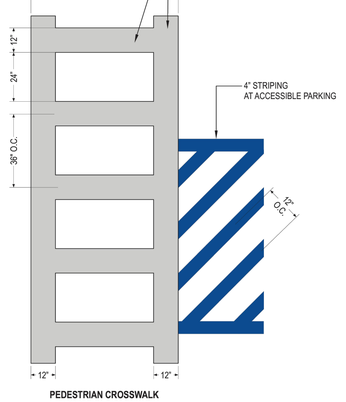
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Designation: PG-8	**Notes:** Used to indicate left or right turning lanes. Color shall be white on asphalt and yellow on concrete, unless otherwise noted.	**Colors:** C1 WHITE SAFETY YELLOW PMS 109 C
Description: Pavement Graphics/Left or Right Turn		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



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Designation: PG-9	**Notes:** Used to indicate left, straight, or right turning lanes. Color shall be white on asphalt and yellow on concrete unless otherwise noted.	**Colors:** C1 WHITE SAFETY YELLOW PMS 109 C
Description: Pavement Graphics/Left, Straight or Right Turn		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



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Designation: PG-11	**Notes:** Used to indicate pedestrian crossing. See Civil plan for width of crosswalk. Color shall be white on asphalt and yellow on concrete, unless otherwise noted.	**Colors:** C1 WHITE SAFETY YELLOW PMS 109 C BLUE PMS 293
Description: Parking Striping Graphics/Pedestrian crossing		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		

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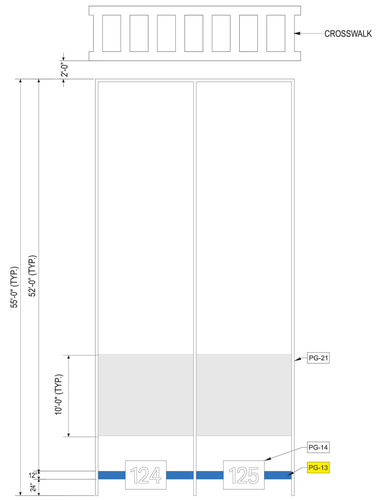
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SCALE AS SHOWN
DESIGNED BY JDB
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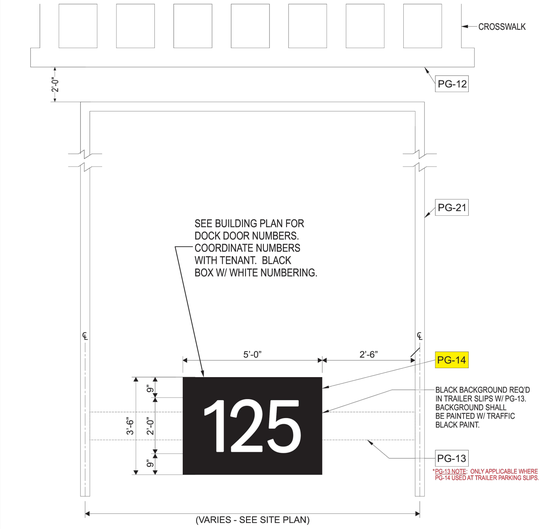
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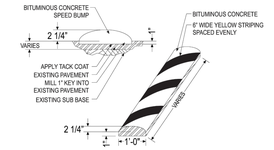
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Designation: PG-13	**Notes:** Used to communicate and notify the drivers to rest the landing gear on the blue line withing the parking slip. Use in conjunction with AS-56 "ALIGN TO BLUE" informational sign. Coordinate with project team. Use glass beads for retro-reflective quality at stop bars, crosswalks, pedestrian corridors, and lane striping (center lines, shoulders, gore areas, etc.). Conform to AASHTO M 247 for the type specified. Treat glass beads with an adherence coating as recommended by manufacturer Ensure that the paint without glass beads has a minimum directional reflectance, relative to a magnesium oxide standard, of 80 percent for white and 50% for yellow when tested according to ASTM E1347.	**Colors:** LAND ON BLUE AMAZON SW CUSTOM CCE * Colorant 02 32 64 128 C1-Rhea 24 32 - -
Description: Pavement Graphics / Land on Blue Stripe		
Substrate: PAVEMENT		
Graphics: Traffic Paint		



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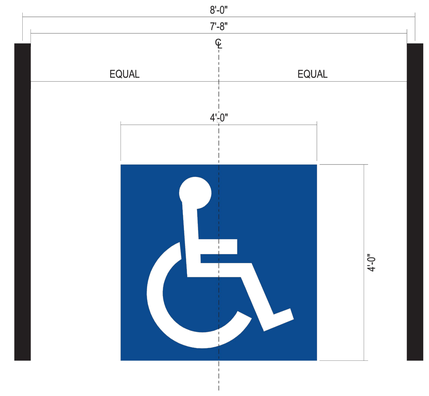
Designation: PG-14	**Notes:** Used to label dock door slips and trailer spaces. Typical for all truck spaces. Coordinate numbers with Tenant. Three digits for dock doors (PG-14), three or four digits for trailer parking slips (PG-14 or PG-14A). **Font:** Eimber Modern Display Standard	**Colors:** C1 WHITE C2 BLACK
Description: Pavement Graphics / Dock Parking Number		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



BITUMINOUS CONCRETE SPEED BUMP DETAIL ALTERNATE 2

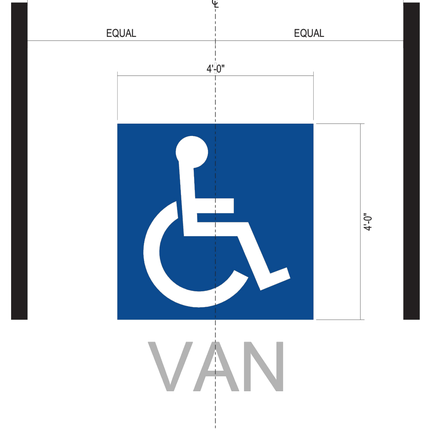
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Designation: PG-16	**Notes:** Use to control speed at interior drive aisles with 5 mph (10 kmph) speeds. Reflective yellow strips. **Designer's Note:** All speed bumps shall be asphalt or concrete. Heavy duty rubber speed bumps are not permitted. The speed bump should be 2.25 to 2.5 inches high as measured from the road surface to the highest point on the speed bump and 1 foot wide (in the direction of travel) from the leading edge to the termination edge. The radius of curvature should be no more than 24 inches and no less than 36 inches. Speed bumps must be painted with yellow caution stripes oriented perpendicular or diagonal to the long axis of the bump to indicate it's presence and that there is a change in elevation. The stripes should be evenly spaced and a width ranging from 6 to 8 inches.	**Colors:** SAFETY YELLOW PMS 109 C
Description: Pavement Graphics - Small Speed Bump		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



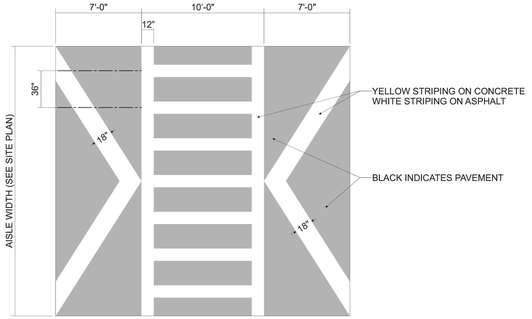
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Designation: PG-17	**Notes:** Used to indicate accessible parking spaces. *4'-0" x 4'-0"* Use at all accessible parking spaces. White symbol with Accessible Blue background.	**Colors:** BLUE PMS 293 C1 WHITE
Description: Pavement Graphics / Accessible Stall		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



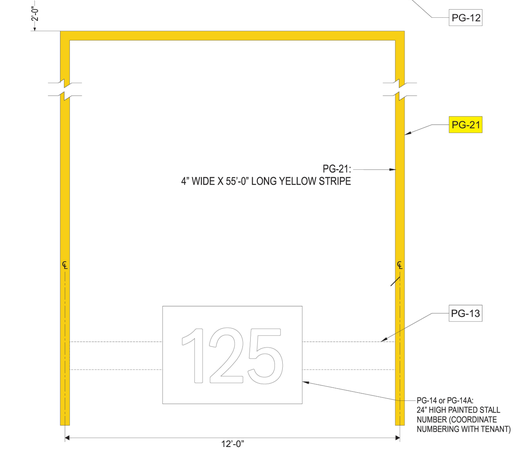
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Designation: PG-18	**Notes:** Used to indicate van accessible parking spaces. *4'-0" x 5'-5 1/2"* Use at all van accessible parking spaces. White symbol with Accessible Blue background, and white text.	**Colors:** BLUE PMS 293 C1 WHITE
Description: Pavement Graphics / Accessible Van Stall		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



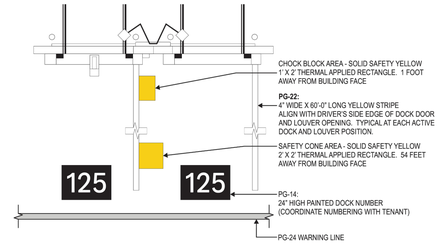
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Designation: PG-20	**Notes:** Used to indicate crosswalks at high traffic areas (ex. main entrance). Striping applied on raised pedestrian table.	**Colors:** SAFETY YELLOW PMS 109 C C1 WHITE
Description: Pavement Graphics / Pedestrian Table		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



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Designation: PG-21	**Notes:** Used to mark empty trailer parking slips.	**Colors:** SAFETY YELLOW PMS 109 C
Description: Pavement Graphics / Trailer Parking Striping		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



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Designation: PG-22	**Notes:** Used to identify dock parking. Yellow striping, Chock Block and Safety Cone areas to be located on passenger side. Align stripe with driver's side edge of dock door or louver opening. Typical at each active dock and louver position. Provide Orange warning line (PG-24) at parking spaces 66' alongside building wall. Shown: PG-14, PG-22, and PG-24.	**Colors:** SAFETY YELLOW PMS 109 C
Description: Pavement Graphics / Dock Door Parking Striping		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		

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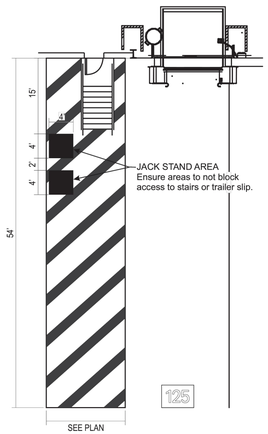
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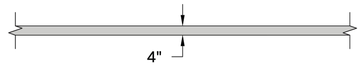
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SHEET NUMBER
C9.12



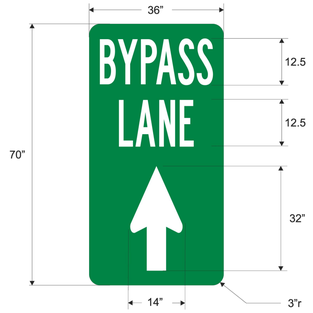
INSTALLED BY CONSTRUCTION

Designation: PG-23	Notes: 4' x 4' Solid black square. Used to identify jack stand locations. NOTE: Jack stand areas only applicable at striped areas with same elevation as surrounding surface (raised curbs cannot accommodate jack stands).	Colors: C2 BLACK
Description: Pavement Graphics / Jack Stand Areas		
Substrate: Pavement		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		

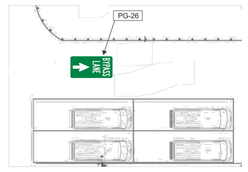


INSTALLED BY CONSTRUCTION

Designation: PG-24	Notes: 4" wide stripe to be 66' away from building wall at dock door parking, and 6' away from the far end of the dock parking spaces.	Colors: C11 ORANGE
Description: Pavement Graphics / Warning Line		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		

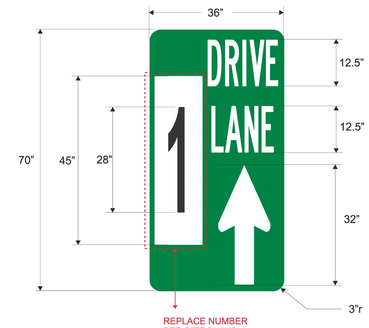


OVERHEAD VIEW

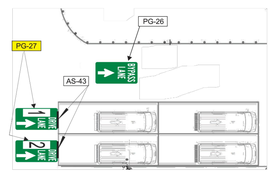


INSTALLED BY CONSTRUCTION

Designation: PG-26	Notes: Used to designate the bypass lane at queuing and loading. At Exterior Loading: Floor graphic, (1) per pad at center of bypass lane and at the beginning of queuing and launch pads. Font: ClearviewHwy NOTE: If AS-42 is to be utilized, do not use PG-26. Do not use PG-26 and AS-42 at the same location.	Colors: GREEN PMS 348 C, WHITE
Description: Pavement Graphics / Van Queuing		
Substrate: Pavement		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



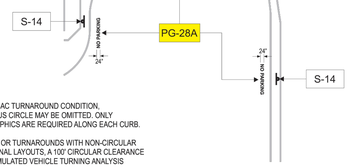
OVERHEAD VIEW



INSTALLED BY CONSTRUCTION

Designation: PG-27	Notes: Use to designated the drive lanes at queuing and loading pads. At Interior/Exterior Pads: Floor graphic, (1) per parking space, at the beginning of each queuing or loading pad, centered in each individual lane. Drive lanes shall be numbered. Font: ClearviewHwy If AS-43 is to be utilized, do not use PG-27. Do not use PG-27 and AS-43 at the same location.	Colors: GREEN PMS 348 C, WHITE, BLACK
Description: Pavement Graphics / Van Queuing		
Substrate: Pavement		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		

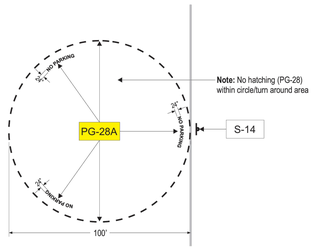
OPTION 1



NOTE: IN CUL-DE-SAC TURNAROUND CONDITION, DASHED 100' RADIUS CIRCLE MAY BE OMITTED. ONLY "NO PARKING" GRAPHICS ARE REQUIRED ALONG EACH CURB.

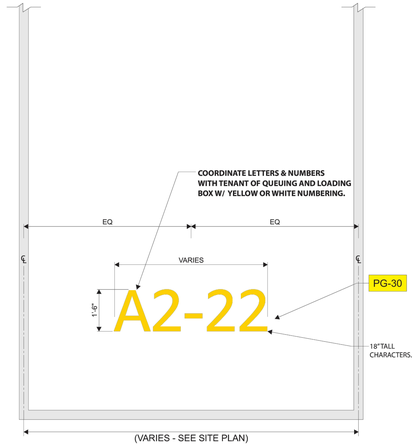
FOR CUL-DE-SACS OR TURNAROUNDS WITH NON-CIRCULAR OR UNCONVENTIONAL LAYOUTS, A 100' CIRCULAR CLEARANCE OR COMPUTER-SIMULATED VEHICLE TURNING ANALYSIS (AUTOTURN STUDY) IS REQUIRED.

OPTION 2



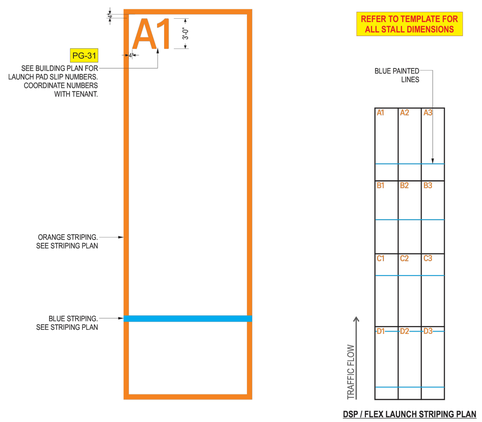
INSTALLED BY CONSTRUCTION

Designation: PG-28A	Notes: Used to indicate truck turn around area with in truck yards. Color shall be white on asphalt and yellow on concrete unless otherwise noted. Designer Note: No hatching withing circle/turn around area	Colors: C1 WHITE, SAFETY YELLOW PMS 109 C
Description: Truck Turn Around Area		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



INSTALLED BY CONSTRUCTION

Designation: PG-30	Notes: Used to label Queuing and Loading spots if a Consolidated Parallel Queuing (CPQ) configuration is used. The labels are to consist of letters and numbers and are provided to help van drivers navigate between their assigned queuing and loading spots. Coordinate letters and numbers with Tenant of Queuing and Loading. Numbering: white on asphalt or yellow on concrete. Font: Amazon Ember Regular	Colors: C1 WHITE, SAFETY YELLOW PMS 109 C
Description: Pavement Graphics / Launch Pad Spot Number		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



DSP / FLEX LAUNCH STRIPING PLAN

INSTALLED BY CONSTRUCTION

Designation: PG-31	Notes: Used for launch pad numbering. The labels are to consist numbers and are provided to help van drivers navigate between their assigned queuing and loading spots. Coordinate numbers with Tenant.	Colors: SAFETY ORANGE PMS 151 C, PMS 2995C
Description: Pavement Graphics / Launch Pad Stripe		
Substrate: Pavement		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		

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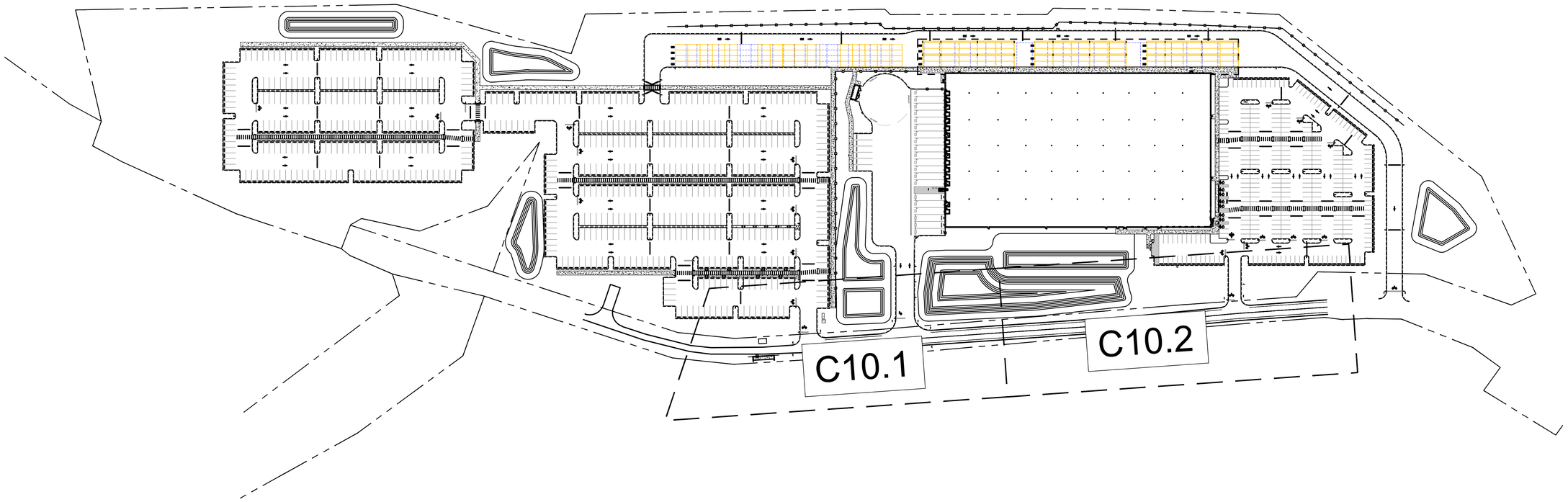
KHA PROJECT 249633002
DATE 1/15/2026
SCALE AS SHOWN
DESIGNED BY JDB
DRAWN BY JDB
CHECKED BY DL

SIGNAGE AND STRIPING DETAILS

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS
NEW YORK

SHEET NUMBER
C9.13

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LOWE ROAD PLAN AND PROFILE KEYSHEET

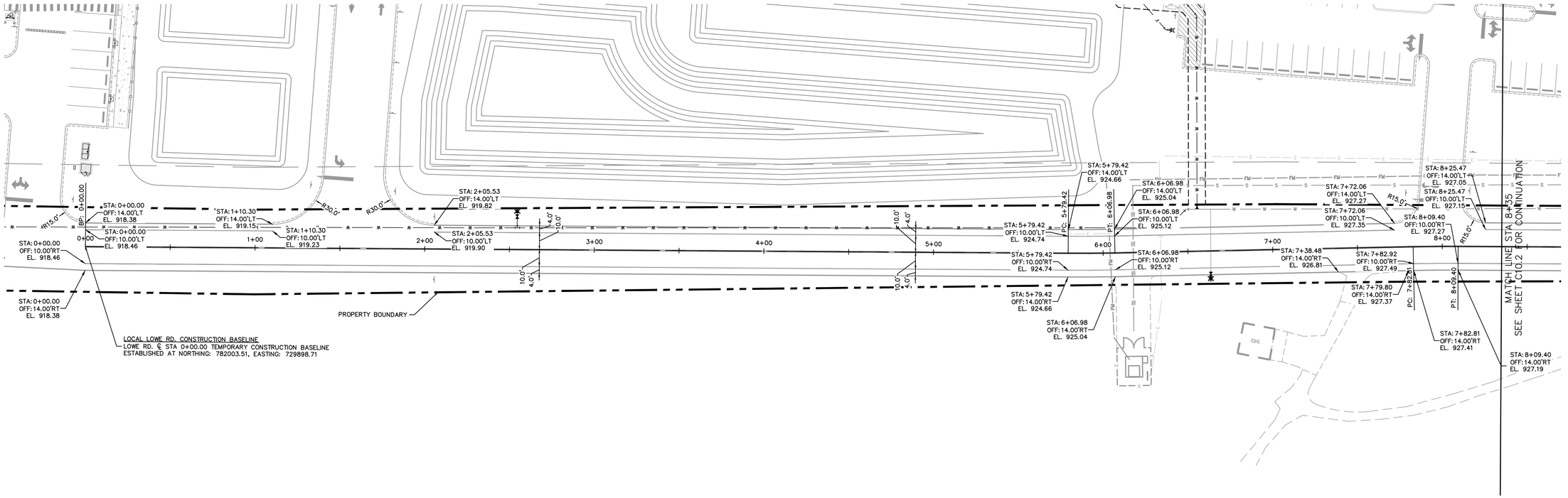
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LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

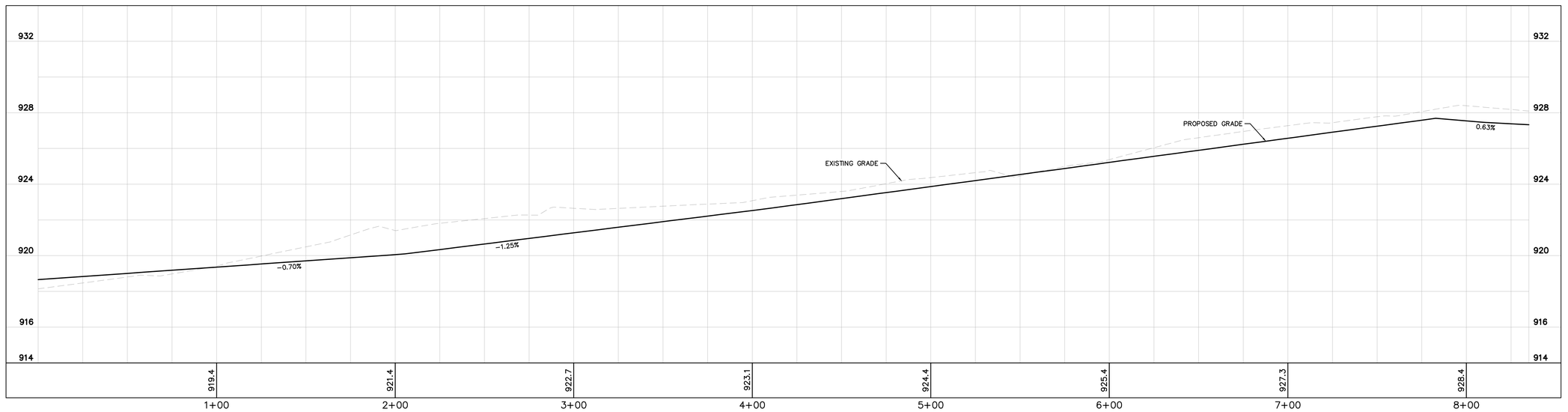
SHEET NUMBER
C10.0

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GRAPHIC SCALE IN FEET
0 15 30 60

NORTH





GRAPHIC SCALE IN FEET
0 15 30 60
HORIZONTAL

0 1.5 3 6
VERTICAL

811
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KHA PROJECT
249633002
DATE
1/15/2026
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

LOWE ROAD PLAN AND PROFILE

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS
NEW YORK

SHEET NUMBER
C10.1

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GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

STA: 5+79.42
OFF: 14.00'LT
EL. 924.66

STA: 6+06.98
OFF: 14.00'LT
EL. 925.04

STA: 6+06.98
OFF: 10.00'LT
EL. 925.12

STA: 5+79.42
OFF: 10.00'LT
EL. 924.74

PC: 5+79.42

PT: 6+06.98

10.0'
4.0'

5+00

6+00

7+00

8+00

9+00

9+76

STA: 5+79.42
OFF: 10.00'RT
EL. 924.74

STA: 6+06.98
OFF: 10.00'RT
EL. 925.12

STA: 5+79.42
OFF: 14.00'RT
EL. 924.66

STA: 6+06.98
OFF: 14.00'RT
EL. 925.04

STA: 7+38.48
OFF: 14.00'RT
EL. 926.81

STA: 7+72.06
OFF: 14.00'LT
EL. 927.27

STA: 7+72.06
OFF: 10.00'LT
EL. 927.35

R15.0'

STA: 7+82.92
OFF: 10.00'RT
EL. 927.49

STA: 7+79.80
OFF: 14.00'RT
EL. 927.37

PC: 7+82.81

PT: 8+09.40

STA: 7+82.81
OFF: 14.00'RT
EL. 927.41

STA: 8+09.40
OFF: 14.00'RT
EL. 927.19

STA: 8+25.47
OFF: 14.00'LT
EL. 927.05

STA: 8+25.47
OFF: 10.00'LT
EL. 927.15

STA: 8+09.40
OFF: 10.00'RT
EL. 927.27

R15.0'

MATCH LINE STA: 8+35
SEE SHEET C10.1 FOR CONTINUATION

EP: 9+76.35

STA: 9+76.35
OFF: 14.00'LT
MEG: 926.21

STA: 9+76.35
OFF: 10.00'RT
MEG: 925.89

STA: 9+76.35
OFF: 10.00'LT
MEG: 926.34

STA: 9+76.35
OFF: 14.00'RT
MEG: 925.78

GRAPHIC SCALE IN FEET
0 15 30 60
HORIZONTAL

0 1.5 3 6
VERTICAL

811
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249633002

DATE
1/15/2026

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DESIGNED BY

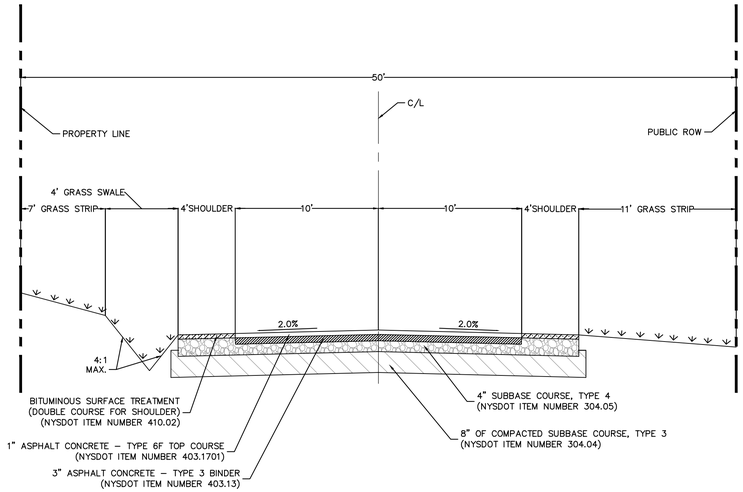
DRAWN BY

CHECKED BY

LOWE ROAD PLAN AND PROFILE

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C10.2



TYPICAL LOWE ROAD SECTION

N.T.S.

NOTE: APPLICATION RATES AND AGGREGATE SIZE/TYPE SHALL BE MORE OR LESS AS FOLLOWS:

AGGREGATE	BITUMINOUS MATERIAL	
SIZE	GAL/SY	LB/SY
1ST COURSE NO.1	0.80	20–30
2ND COURSE NO. 1A	0.40	15–25

*AGGREGATE SHALL BE CRUSHED LIMESTONE

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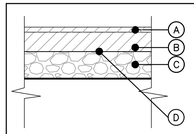
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LOWE ROAD
TYPICAL SECTION

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS
NEW YORK

SHEET NUMBER
C10.3



(A) ASPHALT SURFACE COURSE: NYSDOT 12.5 MM F3 TOP COURSE WMA, 70 SERIES COMPACTION (SUPERPAVE); PG64S-22

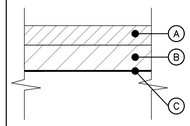
(B) ASPHALT BINDER COURSE: NYSDOT 19 MM F9 BINDER COURSE WMA, 70 SERIES COMPACTION (SUPERPAVE); PG64S-22

(C) GRANULAR SUBBASE: NYSDOT 733-04 TYPE 2 SUBBASE.

(D) MIRAFI 140N GEOTEXTILE OR EQUIVALENT

ASPHALT PAVEMENT

	MINIMUM RECOMMENDED THICKNESS (IN)		MATERIAL
	STANDARD DUTY	HEAVY DUTY	
(A)	1.5"	1.5"	SURFACE COURSE
(B)	2.5"	4"	BINDER COURSE
(C)	12"	12"	SUBBASE



(A) SURFACE: 4,000 PSI AIR-ENTRAINED CONCRETE

(B) GRANULAR SUBBASE: NYSDOT 733-04 TYPE 2 SUBBASE.

(C) MIRAFI 140N GEOTEXTILE OR EQUIVALENT

CONCRETE PAVEMENT

	MINIMUM RECOMMENDED THICKNESS (IN)	MATERIAL
	HEAVY DUTY CONCRETE PAVEMENT	
(A)	6" [4]	SURFACE
(B)	12"	SUBBASE

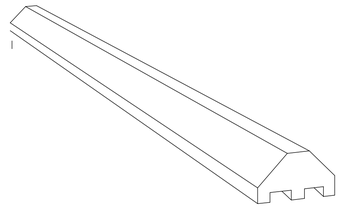
GENERAL NOTES:

1. CONTRACTOR SHALL CONFIRM THESE PAVEMENT SECTIONS WITH THE GEOTECHNICAL REPORT BY WHITESTONE ASSOCIATES ENGINEERING & GEOLOGY NY, PLLC DATED NOVEMBER 3RD 2025.
2. ALL TREAD SURFACES SHALL BE SLIP-RESISTANT.
3. REFER TO ARCHITECTURAL PLANS FOR COLOR, TEXTURE, PATTERN AND FINISH.
4. THE OUTER EDGE OF CONCRETE PAVEMENTS ARE SUSCEPTIBLE TO DAMAGE AS TRUCKS MOVE FROM RIGID PAVEMENT TO ADJACENT FLEXIBLE PAVEMENT. THEREFORE, THE THICKNESS AT THE OUTER TWO FEET OF THE RIGID CONCRETE PAVEMENT SHOULD BE 12 INCHES. THE CONCRETE SHOULD BE REINFORCED WITH AT LEAST ONE LAYER OF SIX-INCH BY SIX-INCH W5.4/W5.4 WELDED WIRE FABRIC (ASTM A185).
5. CONCRETE PAVEMENT SHALL BE REINFORCED AND JOINTED IN ACCORDANCE WITH ACI 330R-08

PAVEMENT SECTIONS
N.T.S. (1)

MATERIAL
YELLOW PLASTIC

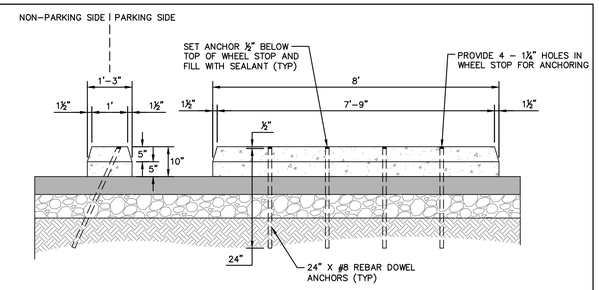
DIMENSIONS L X W X H
72" X 6" X 3"



NOTES:

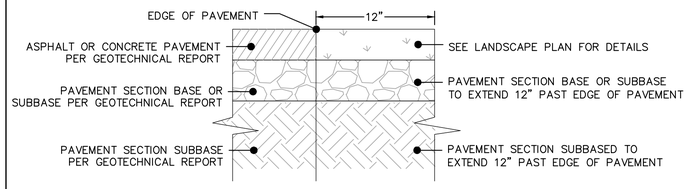
1. CONTRACTOR TO REFERENCE MANUFACTURERS GUIDELINES FOR INSTALLATION OF WHEEL STOPS
2. COLOR TO BE SAFETY YELLOW UNLESS NOTED OTHERWISE

PLASTIC WHEEL STOP (2)



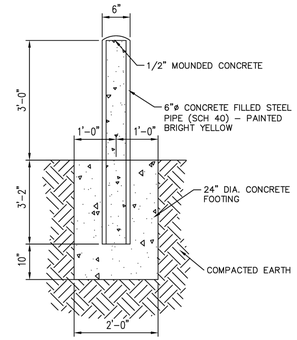
NOTE:
1. CONCRETE WHEEL STOPS TO BE PAINTED SAFETY YELLOW.
2. TRUCK WHEEL STOP ARE NOT REQUIRED AT DOCK DOOR LOCATIONS THAT HAVE DOCK SEAL/CUSHION SYSTEMS.
3. IF PARKING SLIP CURB IS 8" OR HIGHER WITH STANDOFF DISTANCE OF 6' OR MORE FROM OBJECTS SUCH AS FENCES THEN WHEEL STOPS ARE NOT REQUIRED.

CONCRETE WHEEL STOP
N.T.S. (3)



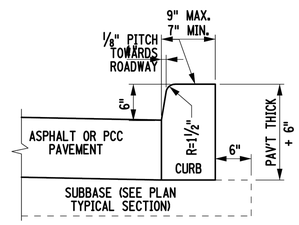
EDGE OF PAVEMENT DETAIL
N.T.S. (USE WHEN RAISED CURB IS NOT REQUIRED)

EDGE OF PAVEMENT
N.T.S. (4)



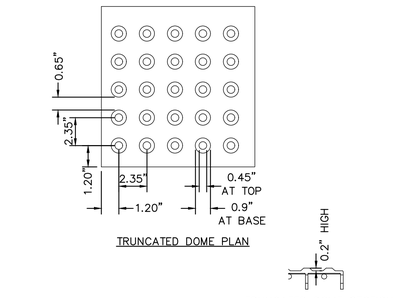
CONCRETE BOLLARD DETAIL
N.T.S.

CONCRETE BOLLARD DETAIL
N.T.S. (5)



TYPE VF6
(VERTICAL FACED CURB WITHOUT CURB ANCHOR)
(SEE NOTE 4)

NYSDOT CURB DETAIL
N.T.S. (6)



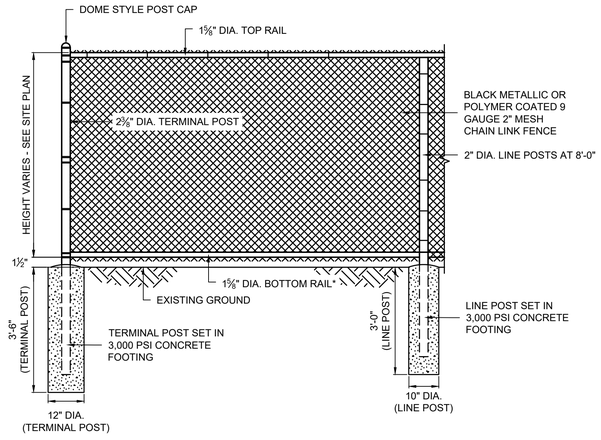
TRUNCATED DOME PLAN

TRUNCATED DOME SECTION

NOTES:

1. CONTRACTOR TO REFERENCE MANUFACTURERS GUIDELINES FOR INSTALLATION OF TRUNCATED DOMES.
2. COLOR TO BE YELLOW UNLESS NOTED OTHERWISE

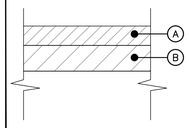
TRUNCATED DOMES
N.T.S. (7)



NOTES:

1. ALL FENCE ELEMENTS SHALL BE BLACK METALLIC COATED OR POLYMER COATED PER ASTM 2453 - 2453M.
2. POST CAPS SHALL BE DOME STYLE
3. FENCE TIES SHALL BE 9 GAUGE BLACK PVC COATED
4. FENCE DEPTHS MAY VARY PER LOCAL CODES
5. FENCE HEIGHT MAY REQUIRE PERMITTING BY LOCAL AUTHORITY HAVING JURISDICTION
6. TO BE INSTALLED TO SAFELY ROUTE PEDESTRIANS TO DESIGNATED CROSSWALKS AND TO PREVENT UNSAFE CROSSING OUTSIDE DESIGNATED AREAS
7. FENCE SETBACK FROM CURBING VARIES PER LOCAL REGULATORY REQUIREMENTS, SNOW CONDITIONS AND SIGHTLINES

BLACK VINYL CHAIN LINK FENCE
N.T.S. (8)



(A) SURFACE: 4,000 PSI AIR-ENTRAINED CONCRETE

(B) GRANULAR SUBBASE: NYSDOT 733-04 TYPE 2 SUBBASE.

CONCRETE SIDEWALK

	MINIMUM RECOMMENDED THICKNESS (IN)	MATERIAL
	STANDARD DUTY CONCRETE SIDEWALK	
(A)	4"	SURFACE
(B)	6"	SUBBASE

GENERAL NOTES:

1. ALL TREAD SURFACES SHALL BE SLIP-RESISTANT.
2. REFER TO ARCHITECTURAL PLANS FOR COLOR, TEXTURE, PATTERN AND FINISH.

SIDEWALK SECTION
N.T.S. (9)

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Kimley»Horn
New York

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60 EAST 42ND STREET, SUITE 1730
NEW YORK, NY 10165
PH: (646) 490-9000
WWW.KIMLEY-HORN.COM

KHA PROJECT 249633002
DATE 1/15/2026
SCALE AS SHOWN
DESIGNED BY JDB
DRAWN BY JDB
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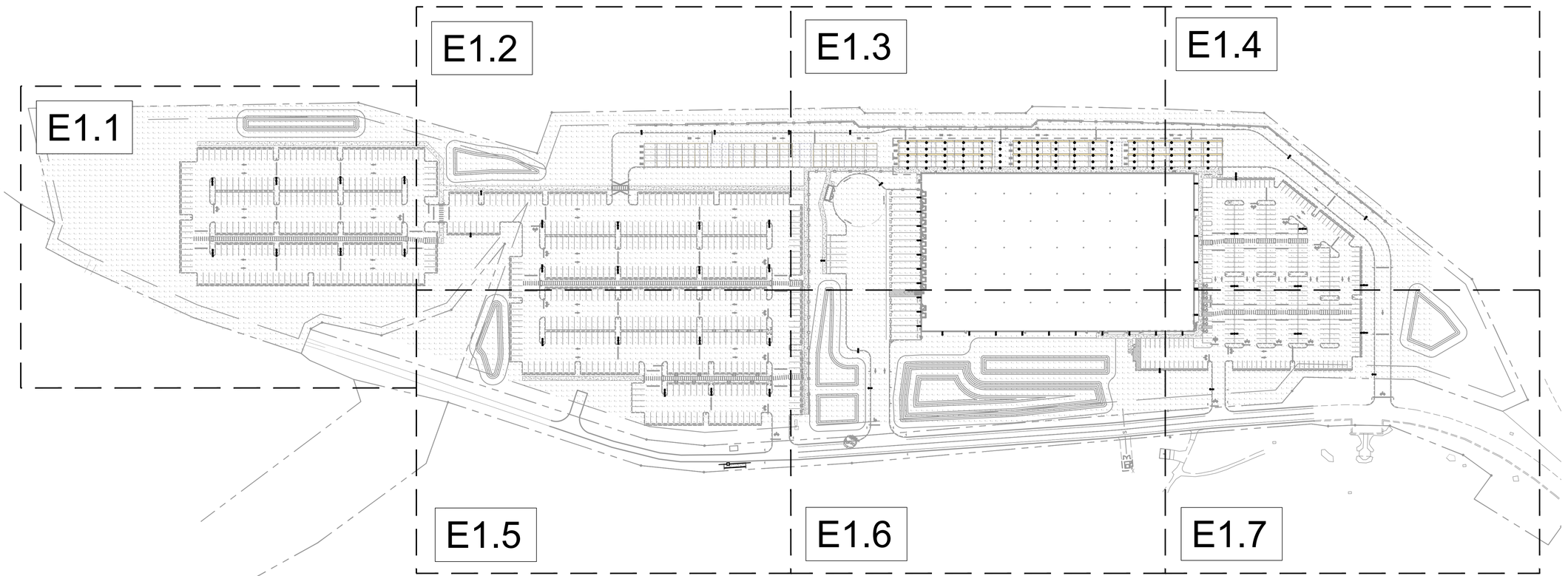
GENERAL CONSTRUCTION DETAILS

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
C11.0

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LEGEND	
ITEM	DESCRIPTION
●▬	PROPOSED SINGLE POLE–MOUNTED LIGHT FIXTURE
▬●▬	PROPOSED BACK–TO–BACK POLE–MOUNTED LIGHT FIXTURE
▬	PROPOSED WALL–MOUNTED LIGHT FIXTURE (WIDE)
▬	PROPOSED WALL–MOUNTED LIGHT FIXTURE (FORWARD)
+X.X	CALCULATION POINT
'X'	LUMINAIRE TAG

PHOTOMETRIC NOTES

1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY/COUNTY/STATE REGULATION AND CODES.
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6. ALL LUMINAIRE SYMBOLS ARE DIAGRAMMATIC ONLY. CONTRACTOR TO FIELD COORDINATE EXACT LOCATIONS AND SETBACKS AGAINST UNDERGROUND UTILITY AND OTHER OBSTRUCTIONS.
7. ALL PROPOSED SITE LIGHTING POLES TO BE 22' ATOP A 3' CONCRETE BASE FOR A TOTAL MOUNTING HEIGHT OF 25'. MAXIMUM HEIGHT LIMITED BY AHJ REQUIREMENTS.
8. ALL PROPOSED BUILDING MOUNTED LIGHTS SHALL BE MOUNTED AT A HEIGHT OF 20' TO MATCH EXISTING BUILDING MOUNTED AREA LIGHTS ON SITE.

PROPOSED LAYOUT - LIGHT FIXTURE SCHEDULE

SYMBOL	FIXTURE	MANUFACTURER	MOUNTING	ARR. LUMENS	ARR. WATTAGE	DESCRIPTION	QUANTITY
B	DSX1 LED P9 40K 70CRI TFTM	LITHONIA	SINGLE POLE-MOUNTED 25' M.H.	33345 LM	279 W	PROPOSED SINGLE POLE MOUNTED LIGHT FIXTURE FOR SITE LIGHTING	7
C	DSX1 LED P9 40K 70CRI T5W	LITHONIA	BACK-TO-BACK POLE-MOUNTED 25' M.H.	(2) 34624 LM	(2) 279 W	TWO POLE MOUNTED LIGHT FIXTURES TO BE MOUNTED ATOP THE POLE IN BACK-TO-BACK ORIENTATION	36
D	DSXW2 P7 40K 70CRI TFTM	LITHONIA	SINGLE SUSPENDED 20' M.H.	13634 LM	104 W	WALL-MOUNTED FIXTURE FOR FORWARD LIGHTING	10
E	DSXW2 P6 40K 70CRI T2M	LITHONIA	SINGLE SUSPENDED 20' M.H.	9697 LM	71 W	WALL-MOUNTED FIXTURE FOR WIDE LIGHTING	16
F	DSX1 LED P4 40K 70CRI T2M	LITHONIA	SINGLE POLE-MOUNTED 25' M.H.	15207 LM	124 W	PROPOSED SINGLE POLE MOUNTED LIGHT FIXTURE FOR SITE LIGHTING	9

PROPOSED LAYOUT - CALCULATION SUMMARY (FC)

STATISTICAL AREA	AVERAGE	MAX.	MIN.	TARGET	AVG/MIN	MAX/MIN
EAST PARKING LOT	4.26	6.5	1.5	1.50	2.84	4.33
FAR WEST PARKING LOT	3.42	4.7	1.6	1.50	2.14	2.94
WEST PARKING LOT	3.86	6.5	1.5	1.50	2.57	4.33
ROADWAY	2.64	4.9	1.0	1.00	2.64	4.90
TRUCK YARD	2.24	6.9	0.9	0.50	2.49	7.67
VAN QUEUE	2.72	5.5	1.0	1.00	2.72	5.50
LOADING DOCK	4.51	6.5	1.80	1.50	2.51	3.61

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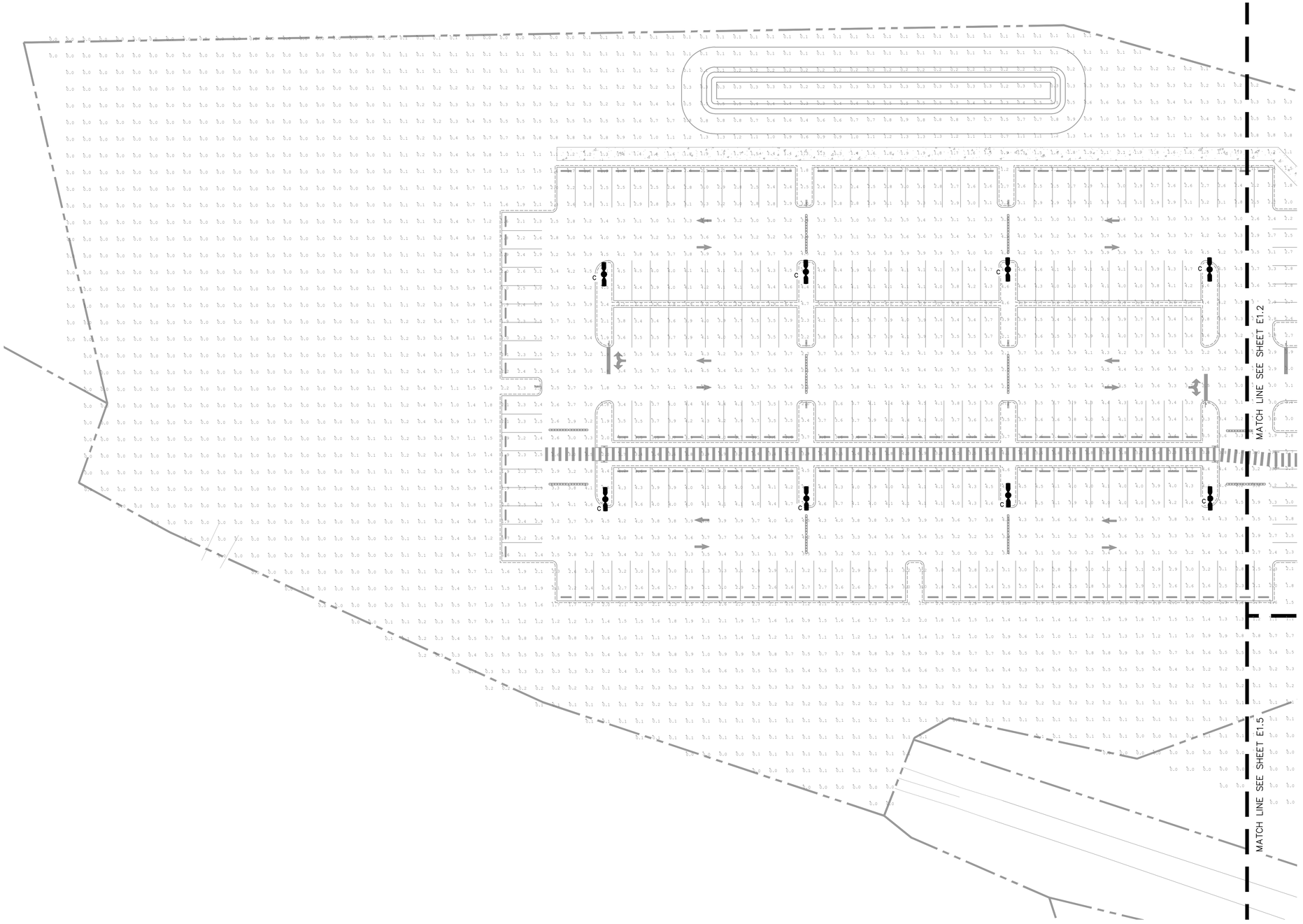
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OVERALL PHOTOMETRIC PLAN

PROJECT MILO
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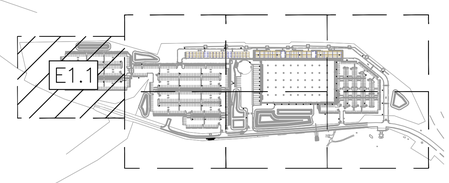
NORTH

GRAPHIC SCALE IN FEET
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KEY MAP
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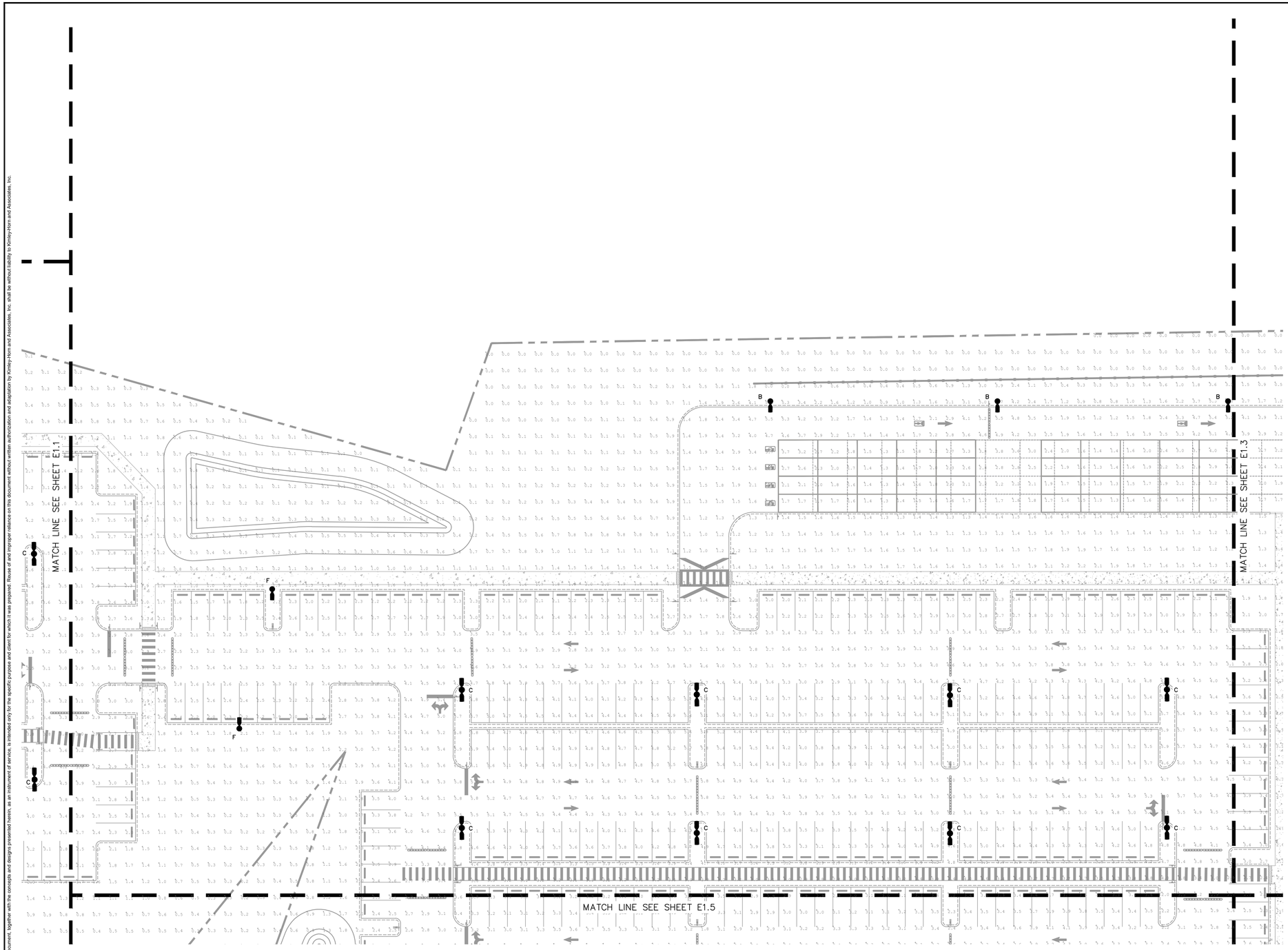
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TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
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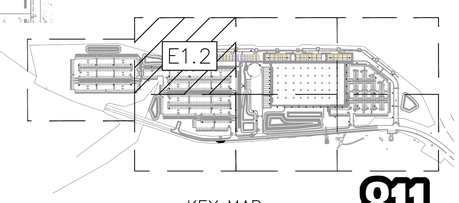
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LEGEND

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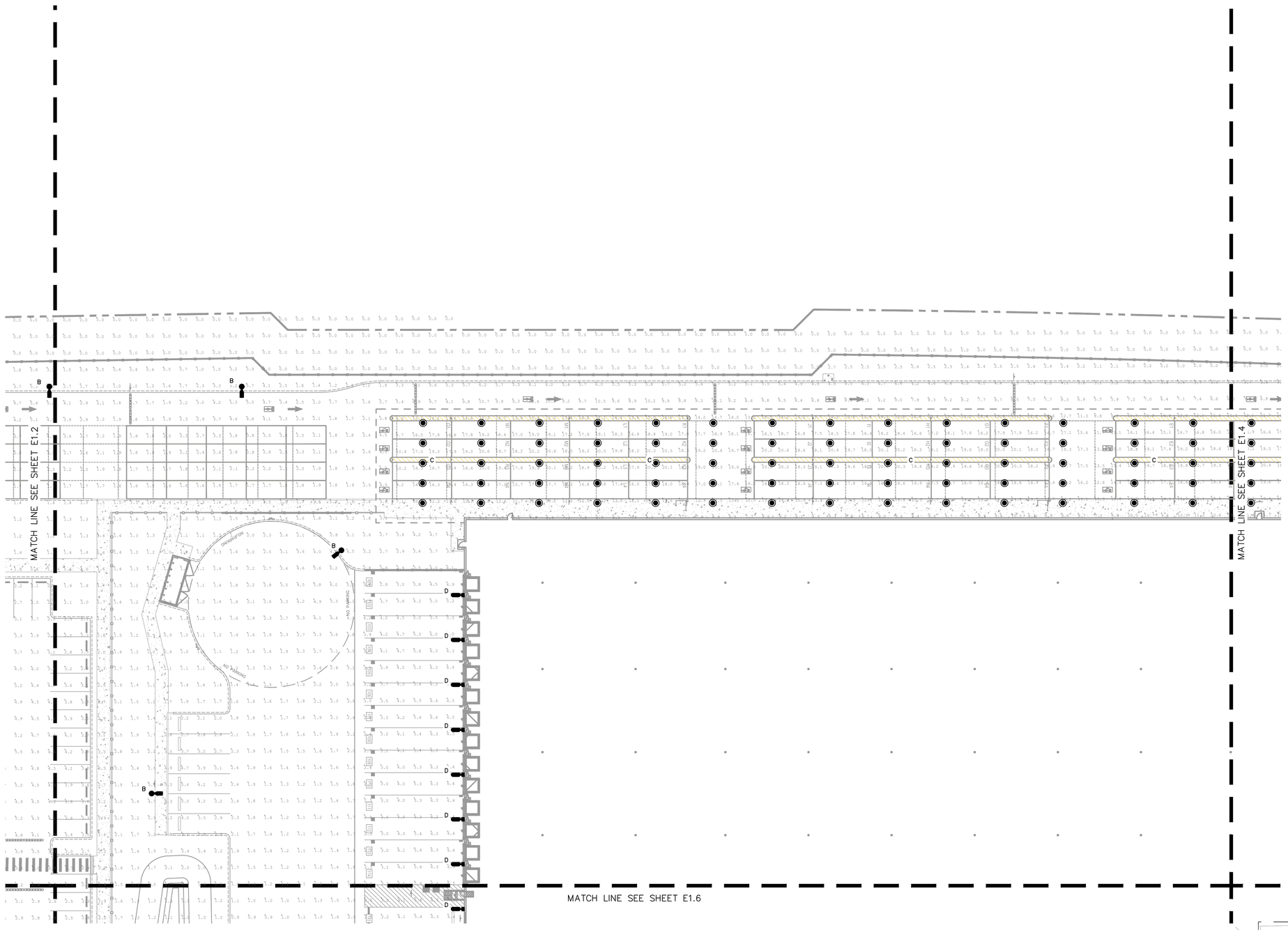
PHOTOMETRICS PLAN

PROJECT MILO
LOWE RD.
BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
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NORTH

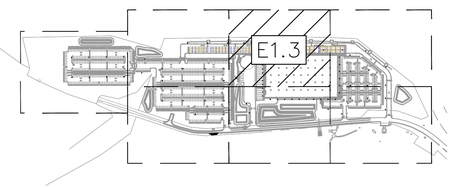
GRAPHIC SCALE IN FEET
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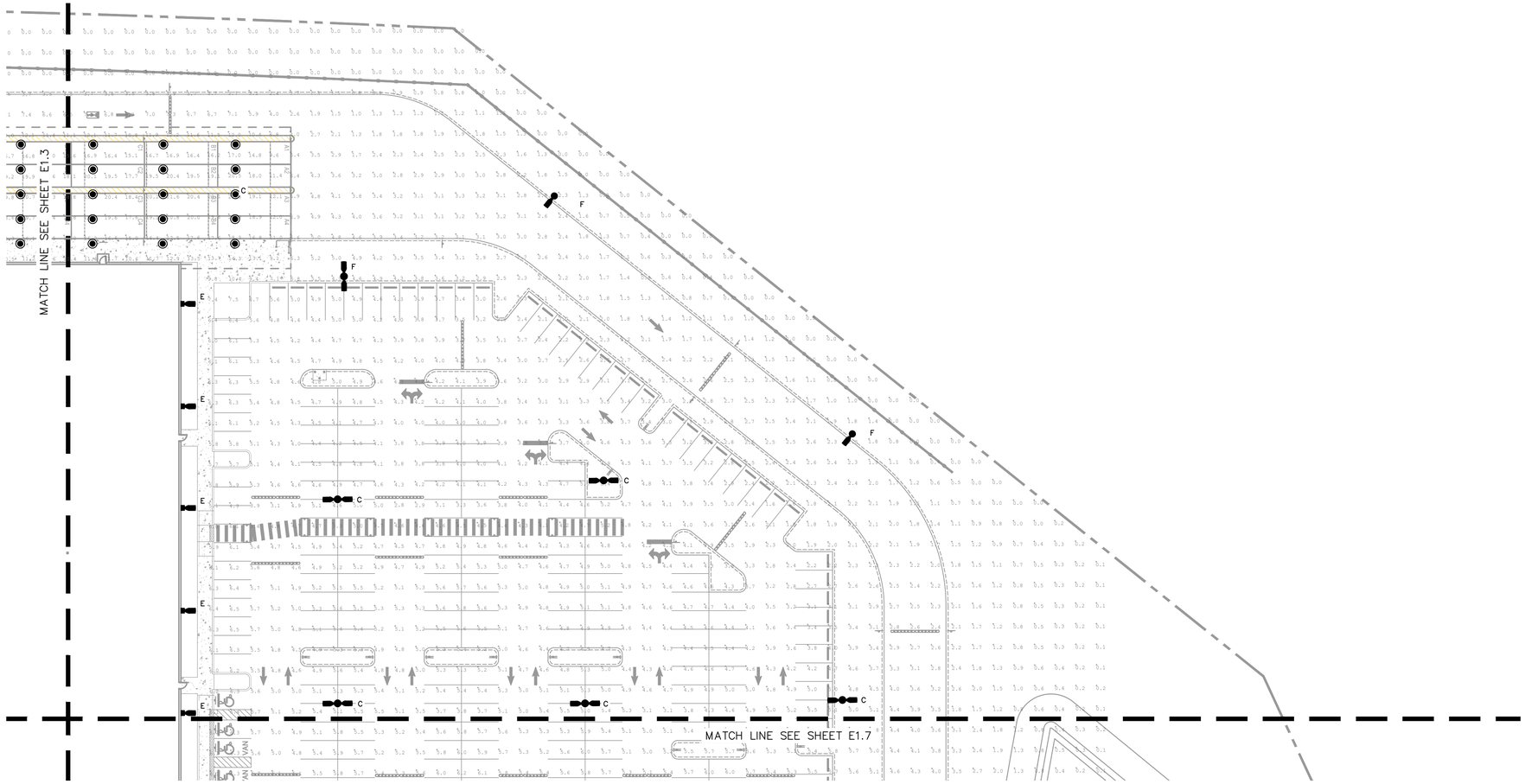
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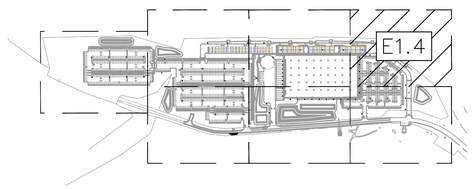
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PHOTOMETRICS PLAN

PROJECT MILO
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BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
E1.3





KEY MAP
SCALE: 1"=500'

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND

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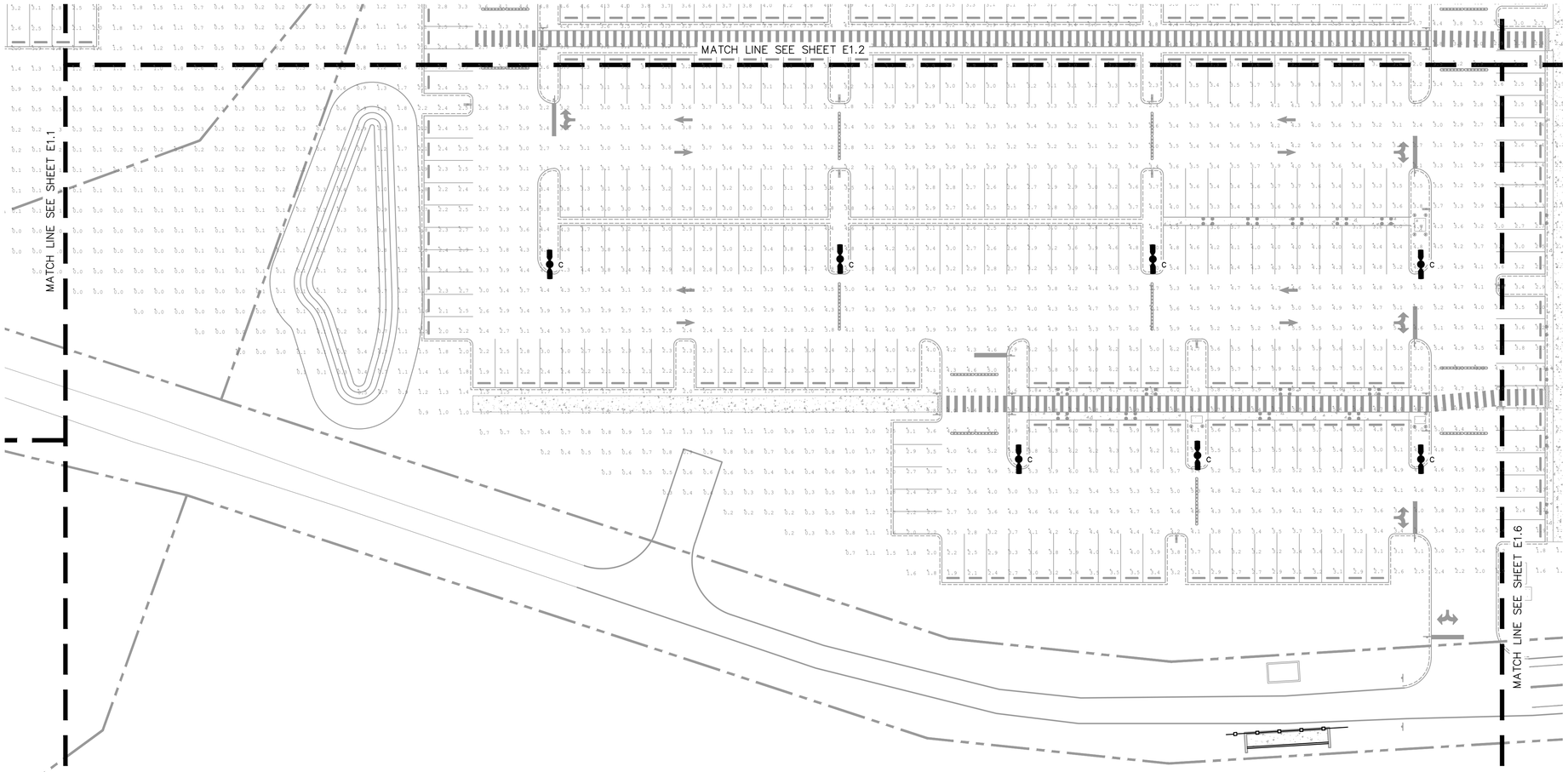
PHOTOMETRICS PLAN

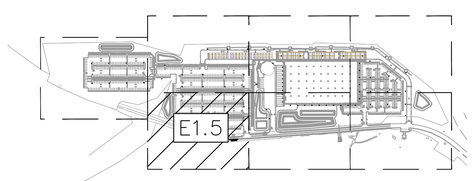
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KEY MAP
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NORTH

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LEGEND

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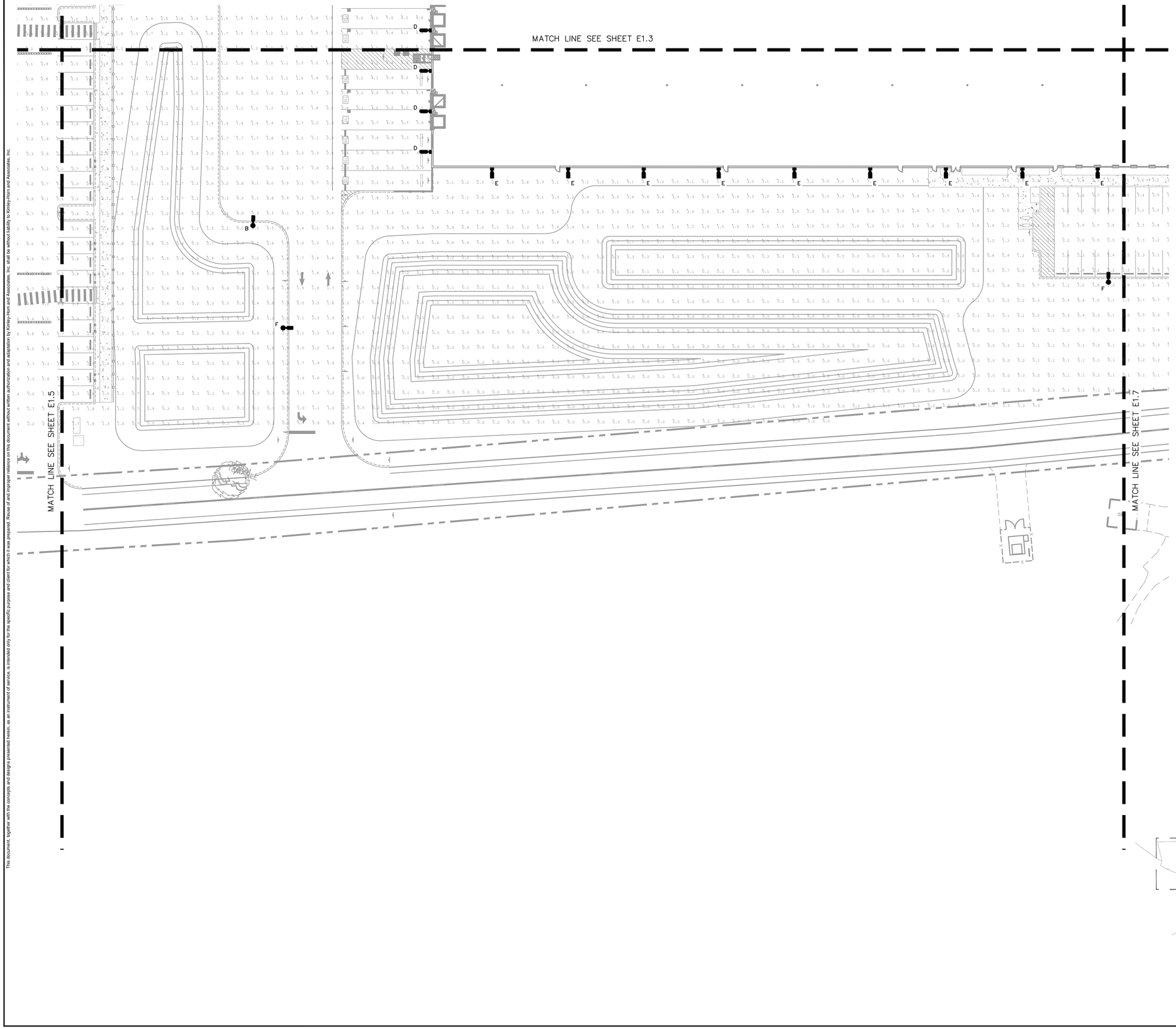
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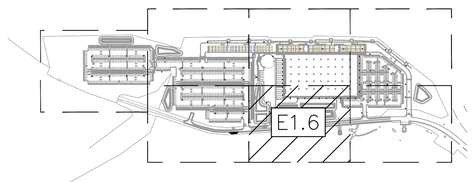
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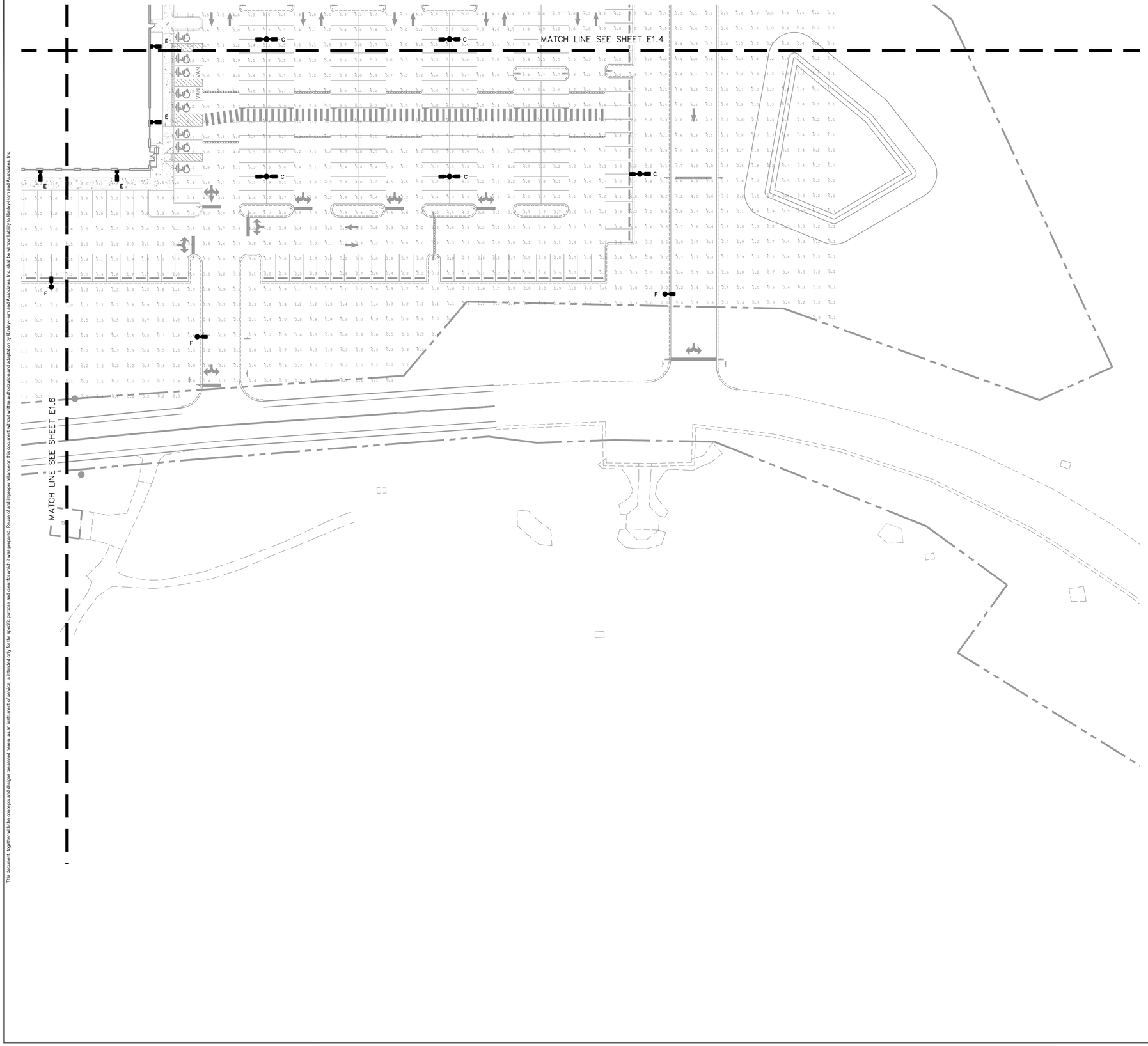
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DATE 1/15/2026
SCALE AS SHOWN
DESIGNED BY JDB
DRAWN BY JDB
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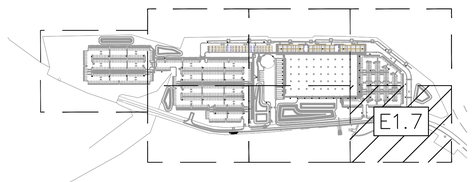
PHOTOMETRICS PLAN

PROJECT MILO
LOWE RD.
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TOWN OF BIG FLATS NEW YORK

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KEY MAP
SCALE: 1"=500'

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NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND

ITEM	DESCRIPTION
	PROPOSED SINGLE POLE-MOUNTED LIGHT FIXTURE
	PROPOSED BACK-TO-BACK POLE-MOUNTED LIGHT FIXTURE
	PROPOSED WALL-MOUNTED LIGHT FIXTURE (WIDE)
	PROPOSED WALL-MOUNTED LIGHT FIXTURE (FORWARD)
+X.X	CALCULATION POINT
'X'	LUMINAIRE TAG

PHOTOMETRIC NOTES

1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY/COUNTY/STATE REGULATION AND CODES.
2. ALL PHOTOMETRIC VALUES SHOWN ON SITE PLAN IN TABLES ARE IN FOOTCANDLES (FC). 1 FC = 10.76 LUX.
3. CALCULATED VALUES ARE DERIVED THROUGH A COMPUTER BASED MODEL WITH LIGHT FIXTURE DATA AS SUPPLIED BY MANUFACTURER THROUGH IES FILES.
4. ANY DEVIATION FROM SPECIFIED FIXTURE MODELS AND MOUNTING HEIGHTS IN THIS EXHIBIT WILL DISCOUNT THE VALIDITY OF THESE CALCULATIONS.
5. THE PHOTOMETRIC ANALYSIS EXCLUDES ALL EXISTING ROADWAY LIGHTING ON ADJACENT ROW.
6. ALL LUMINAIRE SYMBOLS ARE DIAGRAMMATIC ONLY. CONTRACTOR TO FIELD COORDINATE EXACT LOCATIONS AND SETBACKS AGAINST UNDERGROUND UTILITY AND OTHER OBSTRUCTIONS.
7. ALL PROPOSED SITE LIGHTING POLES TO BE 22' ATOP A 3' CONCRETE BASE FOR A TOTAL MOUNTING HEIGHT OF 25'. MAXIMUM HEIGHT LIMITED BY AHJ REQUIREMENTS.
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PHOTOMETRICS PLAN

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PROPOSED POLE MOUNTED LUMINAIRE



D-Series Size 1
LED Area Luminaire

Catalog Number

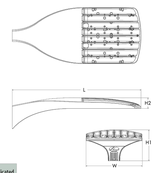
Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA:	0.69 ft² (0.06 m²)
Length:	32.71" (83.1 cm)
Width:	14.26" (36.2 cm)
Height H1:	7.88" (20.0 cm)
Height H2:	2.73" (6.9 cm)
Weight:	34 lbs (15.4 kg)



Introduction
The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.
The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

design select
Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Design Select options indicated by this color background.

Ordering Information
EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series	LEDs	Color temperature[1]	Color Rendering Index[1]	Distribution	Voltage	Mounting
DSX1 LED	**Forward optics** P1 P6 P2 P7 P3 P8 P4 P9 P5 **Rotated optics** P10[1] P12[1] P11[1] P13[1]	(this section 70CRI only) 30K 3000K 40K 4000K 50K 5000K 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 70CRI 70CRI 80CRI 80CRI 80CRI 80CRI 80CRI	AFR Automotive front row T1S Type I short T2M Type II medium T3M Type III medium T3LG Type III low glare[1] T4M Type IV medium T4LG Type IV low glare[1] TFTM Forward throw medium T5M Type V medium T5LG Type V low glare T5W Type V wide BLC3 Type III backlight control[1] BLC4 Type IV backlight control[1] LCCO Left corner cutoff[1] RCCO Right corner cutoff[1]	MVOLT (120V-277V)[2,3] HVOLT (347V-480V)[3,4] XVOLT (277V - 480V)[3,4] 120[4,26] 208[4,26] 240[4,26] 277[4,26] 347[4,26] 480[4,26]	**Shipped included** SPA Square pole mounting (#8 drilling) RPA Round pole mounting (#8 drilling) SPA5 Square pole mounting #5 drilling[5] RPA5 Round pole mounting #5 drilling[5] SPANN Square narrow pole mounting #8 drilling WBA Wall bracket[6] MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)

Control options		Other options		Finish (required)	
Shipped installed		**Shipped installed**		DDBXD Dark Bronze	
NLTAIR2 PIRHN	nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8–40' mounting height, ambient sensor enabled at 2fc.[11,12,20,21]	SPD20KV 20KV surge protection		DBLXD Black	
PIR	High/low, motion/ambient sensor, 8–40' mounting height, ambient sensor enabled at 2fc.[11,20,21]	HS Houseside shield (Black finish standard)[22]		DNAXD Natural Aluminum	
PER	NEMA twist-lock receptacle only (controls ordered separately)[14]	L90 Left rotated optics[1]		DWHXD White	
PERS	Five-pin receptacle only (controls ordered separately)[14,23]	R90 Right rotated optics[1]		DDBTXD Textured dark bronze	
PER7	Seven-pin receptacle only (controls ordered separately)[14,23]	CCE Coastal Construction[24]		DBLBXD Textured black	
FAO	Field adjustable output[15,21]	HA 50°C ambient operation[24]		DNATXD Textured natural aluminum	
BL30	Bi-level switched dimming, 30%[16,21]	BAA Buy America(n) Act and/or Build America Buy America Qualified		DWHGXD Textured white	
BL50	Bi-level switched dimming, 50%[16,21]	SF Single fuse (120, 277, 347V)[24]			
DMG	0–10V dimming wires pulled outside fixture (for use with an external control, ordered separately)[17]	DF Double fuse (208, 240, 480V)[24]			
DS	Dual-switching[18,19,21]	**Shipped separately**			
		ECGR External Glare Shield (reversible, field install required, matches housing finish)			
		BSDB Bird Spikes (field install required)			

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PROPOSED WALL MOUNTED LUMINAIRE



D-Series Size 2
LED Wall Luminaire

Catalog Number

Notes

Type

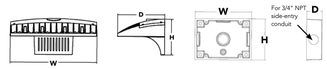
Hit the Tab key or mouse over the page to see all interactive elements.

Specifications
Luminaire

Width:	18-1/2" (47.0 cm)	**Weight:**	21 lbs (9.5 kg)
Depth:	10" (25.4 cm)		
Height:	7-5/8" (19.4 cm)		

Back Box (BBW)

Width:	5-1/2" (14.0 cm)	**BBW Weight:**	1 lbs (0.5 kg)
Depth:	1-1/2" (3.8 cm)		
Height:	4" (10.2 cm)		



A+ Capable options indicated by this color background.

A+ Capable Luminaire
This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background2

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

Ordering Information
EXAMPLE: DSXW2 LED P2 40K 70CRI T3M MVOLT SRM DDBTXD

DSXW2 LED

Series	Lumen Package	CCT	CRI	Distribution	Voltage	Mounting	Control Options
DSXW2 LED	P1 4200 Lumens P2 5300 Lumens P3 6100 Lumens P4 7200 Lumens P5 8200 Lumens P6 10000 Lumens P7 14300 Lumens	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K 57K 5700K AMBPC Amber PC[1] AMBLW Amber LW[1]	75CRI 70CRI 80CRI 80CRI[1] AMCRI Amber CRI	T2S Type 2 Short T2M Type 2 Medium T3LG Type 3 Low Glare* T3M Type 3 Medium T4M Type 4 Medium TFTM Forward Throw Medium BLC3 Back Light Control Type 3* BLC4 Back Light Control Type 4*	MVOLT 120[3] 208[3] 240[3] 277[3] 347[3,4] 480[3,4] HVOLT*	**Shipped included** SRM Surface mounting bracket **Shipped separately**[30] BBW Surface-mounted back box (for conduit entry)	**Shipped included** PE Photoelectric cell, button type[5] PER NEMA twist-lock receptacle only (control ordered separate)[5,7] PER5 Five-wire receptacle only (control ordered separate)[5,7] PER7 Seven-wire receptacle only (control ordered separate)[5,7] DMG 0–10v dimming wires pulled outside fixture (for use with an external control, ordered separately) PIR 180° motion/ambient light sensor, <15' mtg ht[10,11] PIRH 180° motion/ambient light sensor, 15–30' mtg ht[10,11] PIR1FC3V Motion/ambient sensor, 8–15' mounting height, ambient sensor enabled at 1fc[11,12] PIRH1FC3V Motion/ambient sensor, 15–30' mounting height, ambient sensor enabled at 1fc[11,12]

Other Options		Finish (required)			
Shipped installed	**Shipped separately**[30]	DDBXD Dark bronze	DSSXD Sandstone	DWHGXD Textured white	
SF Single fuse (120, 277, 347V)[3]	BSW Bird-deterrent spikes	DBLXD Black	DDBTXD Textured dark bronze	DSSTXD Textured sandstone	
DF Double fuse (208, 240, 480V)[3]	VG Vandal guard	DNAXD Natural aluminum	DBLBXD Textured black		
HS House-side shield		DWHXD White	DNATXD Textured natural aluminum		
SPD Separate surge protection[31]					

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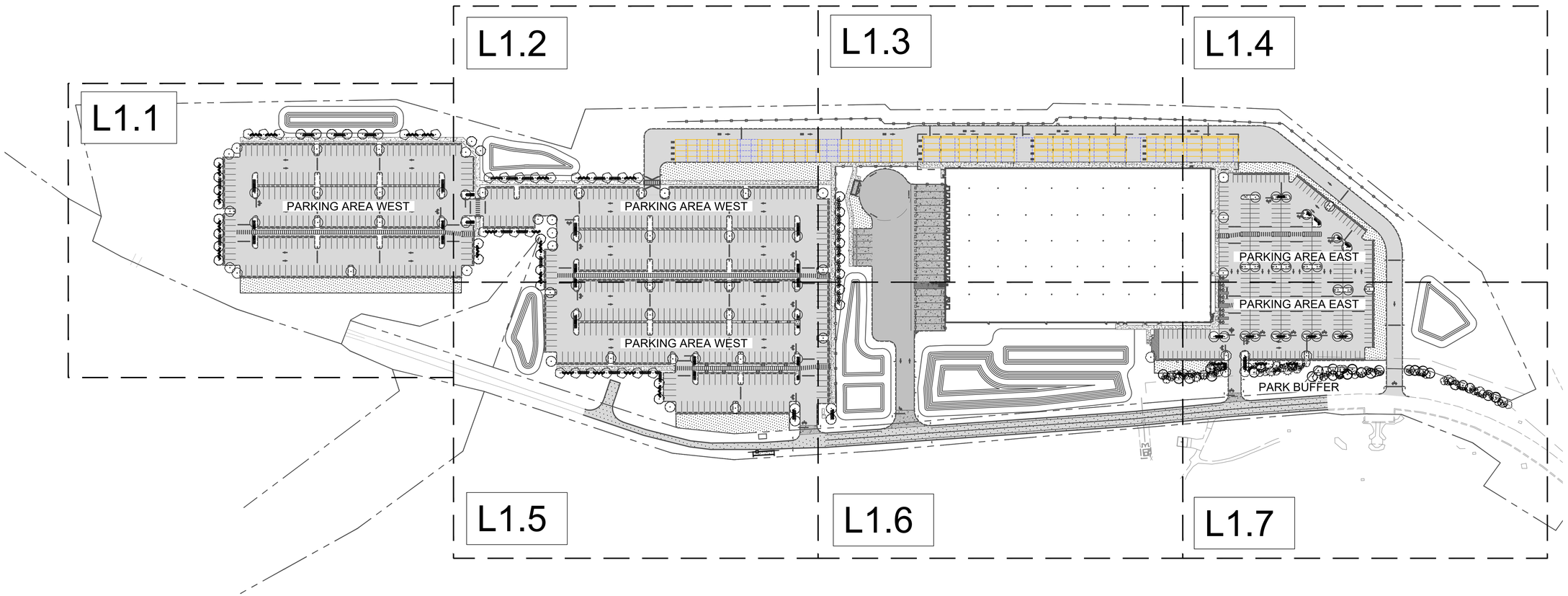
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FIXTURE CUTSHEETS

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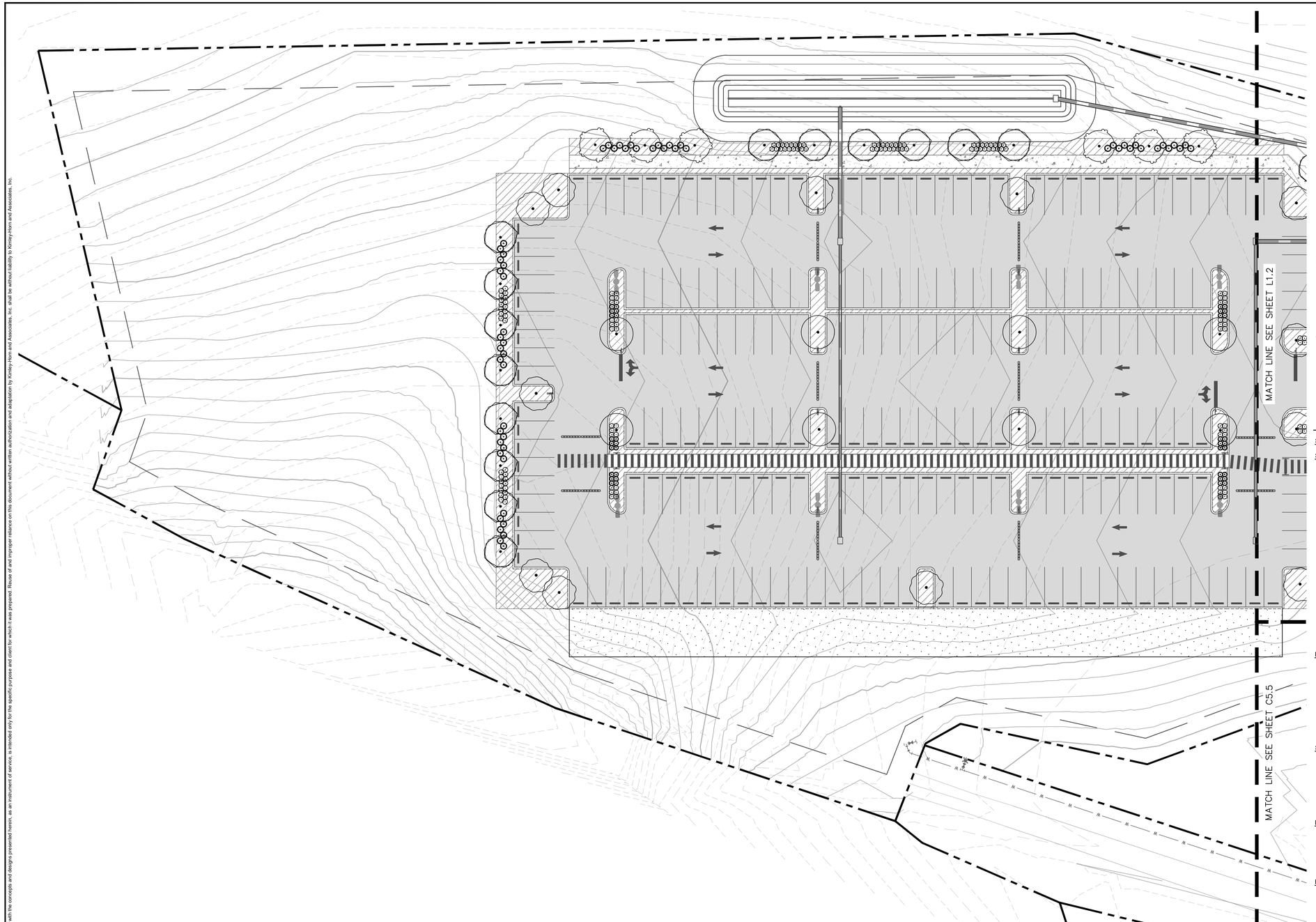
OVERALL LANDSCAPE PLAN

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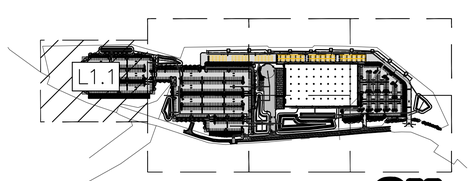
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LEGEND:

- PROPERTY LINE
- MATCH LINE
- PROPOSED TOWN OF BIG FLATS UTILITY EASEMENT
- PROPOSED POTABLE WATER MAIN
- PROPOSED FIRE LINE (DESIGNED BY OTHERS)
- PROPOSED SANITARY SEWER LINE
- PROPOSED FIRE HYDRANT ASSEMBLY
- PROPOSED F.D.C.
- PROPOSED FITTINGS AND VALVES
- PROPOSED STORM PIPE
- EXISTING WATER MAIN
- EXISTING FORCE MAIN
- EXISTING SANITARY SEWER MAIN
- EXISTING UNDERGROUND ELECTRICAL
- EXISTING UTILITY EASEMENT
- EXISTING FIRE HYDRANT
- EXISTING VALVES
- EV CAPABLE PARKING SPACES
- PARKING LANDSCAPING AREA

PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME
SHADE TREES			
	AN	Acer x freemanii 'Autumn Blaze'	Autumn Blaze Maple
	LD	Liquidambar styraciflua 'Rotundiloba'	Rotundiloba Fruitless Sweetgum
	NS	Nyssa sylvatica	Tupelo
	OV	Ostrya virginiana	American Hophornbeam
	PS	Prunus sargentii	Sargent Cherry
	QC	Quercus coccinea	Scarlet Oak
	ZS	Zelkova serrata	Japanese Zelkova
EVERGREEN TREES			
	IA	Ilex opaca	American Holly
	JE	Juniperus virginiana	Eastern Redcedar
	PG	Picea glauca	White Spruce
SMALL TREES			
	CC	Cercis canadensis	Eastern Redbud
	CM	Cornus mas	Cornelian Cherry
	CV	Crataegus viridis 'Winter King'	Winter King Hawthorn
DECIDUOUS SHRUBS			
	CR	Clethra alnifolia 'Ruby Spice'	Ruby Spice Summersweet
	FG	Forsythia x 'Northern Gold'	Northern Gold Forsythia
	FM	Fothergilla major	Mountain Witchalder
	IM	Itea virginica 'Merlot'	Merlot Sweetspire
	PT	Physocarpus opulifolius 'SMPOTW'	Tiny Wine® Ninebark
	VB	Viburnum prunifolium	Blackhaw Viburnum
EVERGREEN SHRUBS			
	IS	Ilex glabra 'Shamrock'	Shamrock Inkberry Holly
	IN	Ilex vomitoria 'Nana'	Dwarf Yaupon Holly
	MP	Myrica pensylvanica	Northern Bayberry
	TC	Taxus canadensis	Canada Yew



KEY MAP
SCALE: 1"=500'

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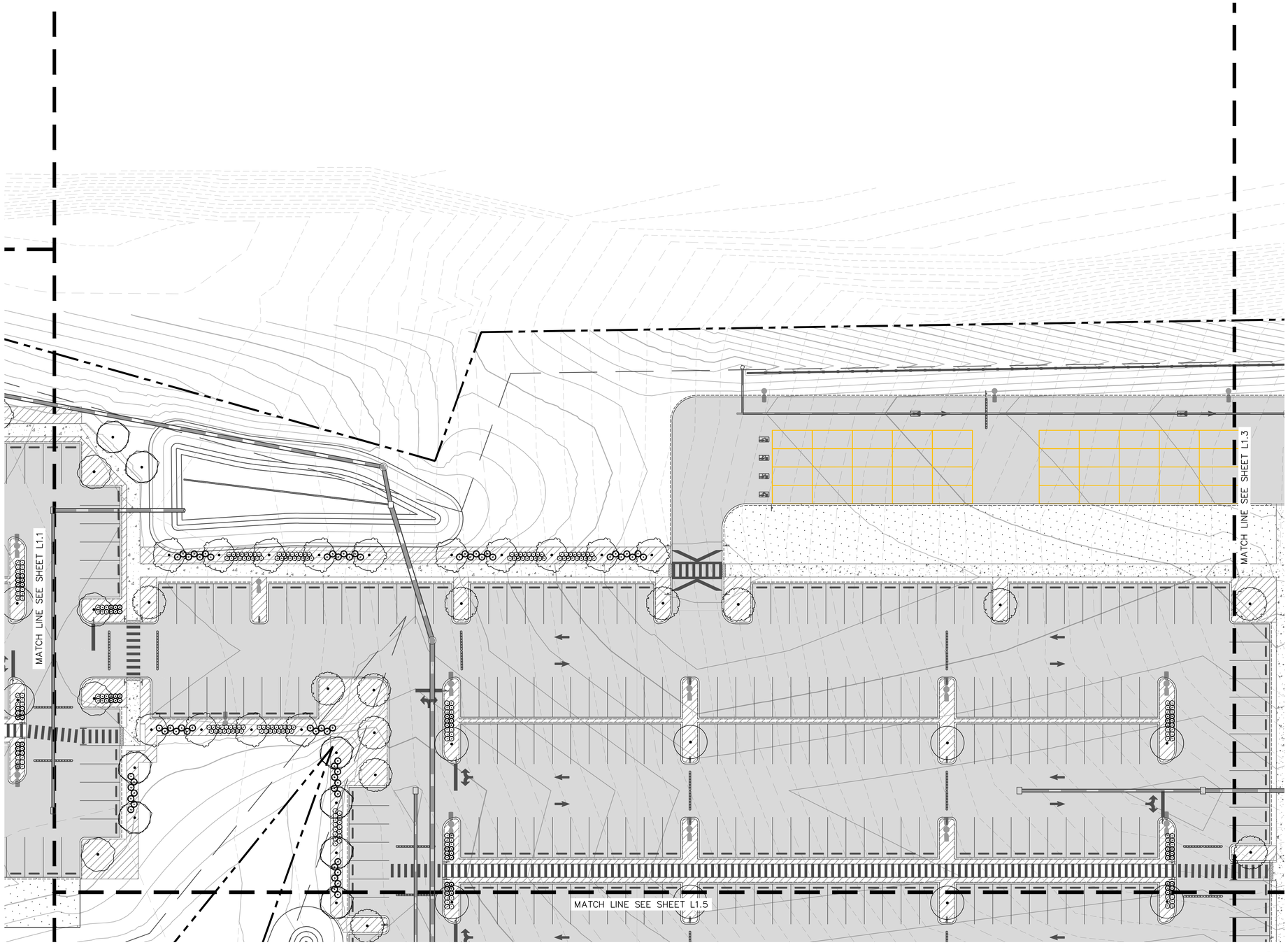
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DATE 1/15/2026
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DRAWN BY RAB
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LANDSCAPE PLAN

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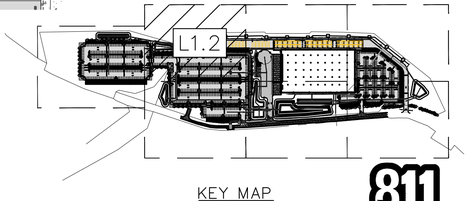
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	TC	Taxus canadensis	Canada Yew



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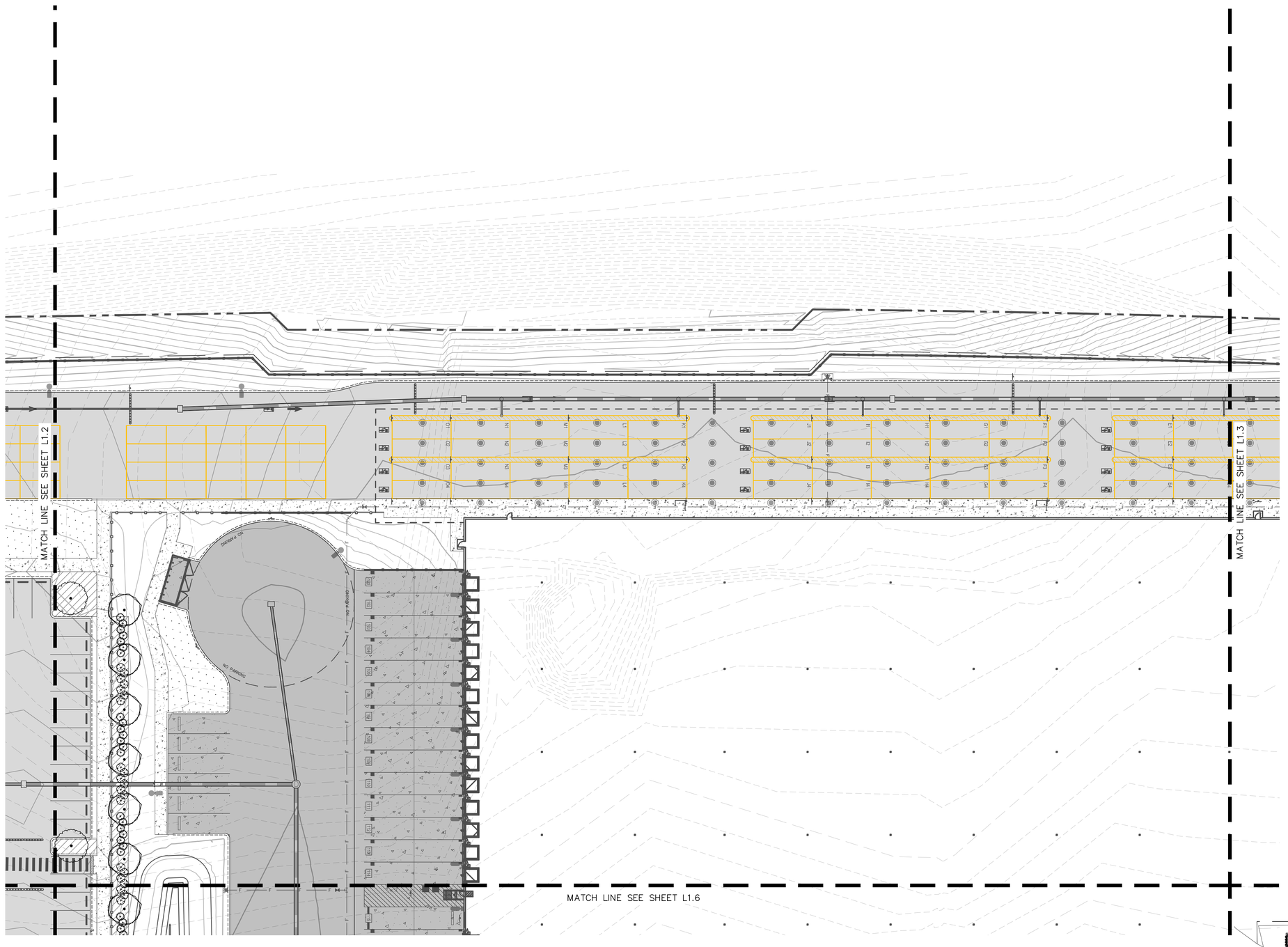
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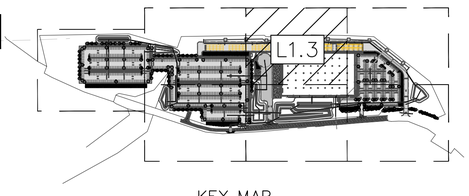
LANDSCAPE PLAN

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KEY MAP
SCALE: 1"=500'

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND:

- PROPERTY LINE
- MATCH LINE
- PROPOSED TOWN OF BIG FLATS UTILITY EASEMENT
- PROPOSED POTABLE WATER MAIN
- PROPOSED FIRE LINE (DESIGNED BY OTHERS)
- PROPOSED SANITARY SEWER LINE
- PROPOSED FIRE HYDRANT ASSEMBLY
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- PROPOSED FITTINGS AND VALVES
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- EXISTING WATER MAIN
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	OV	Ostrya virginiana	American Hophornbeam
	PS	Prunus sargentii	Sargent Cherry
	QC	Quercus coccinea	Scarlet Oak
	ZS	Zelkova serrata	Japanese Zelkova
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	JE	Juniperus virginiana	Eastern Redcedar
	PG	Picea glauca	White Spruce
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	CM	Cornus mas	Cornelian Cherry
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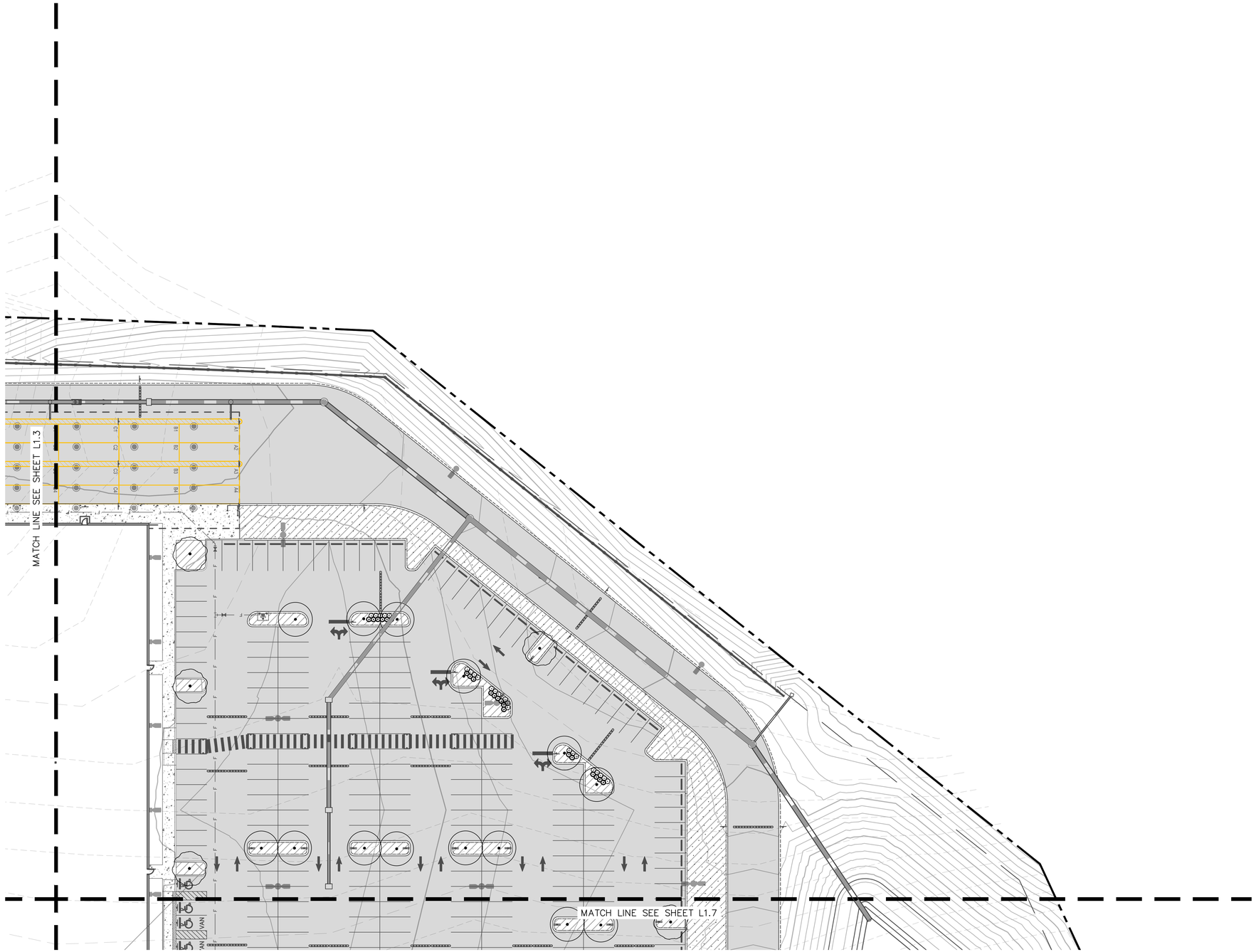
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LANDSCAPE PLAN

PROJECT MILO
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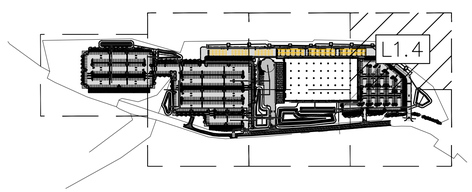
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KEY MAP
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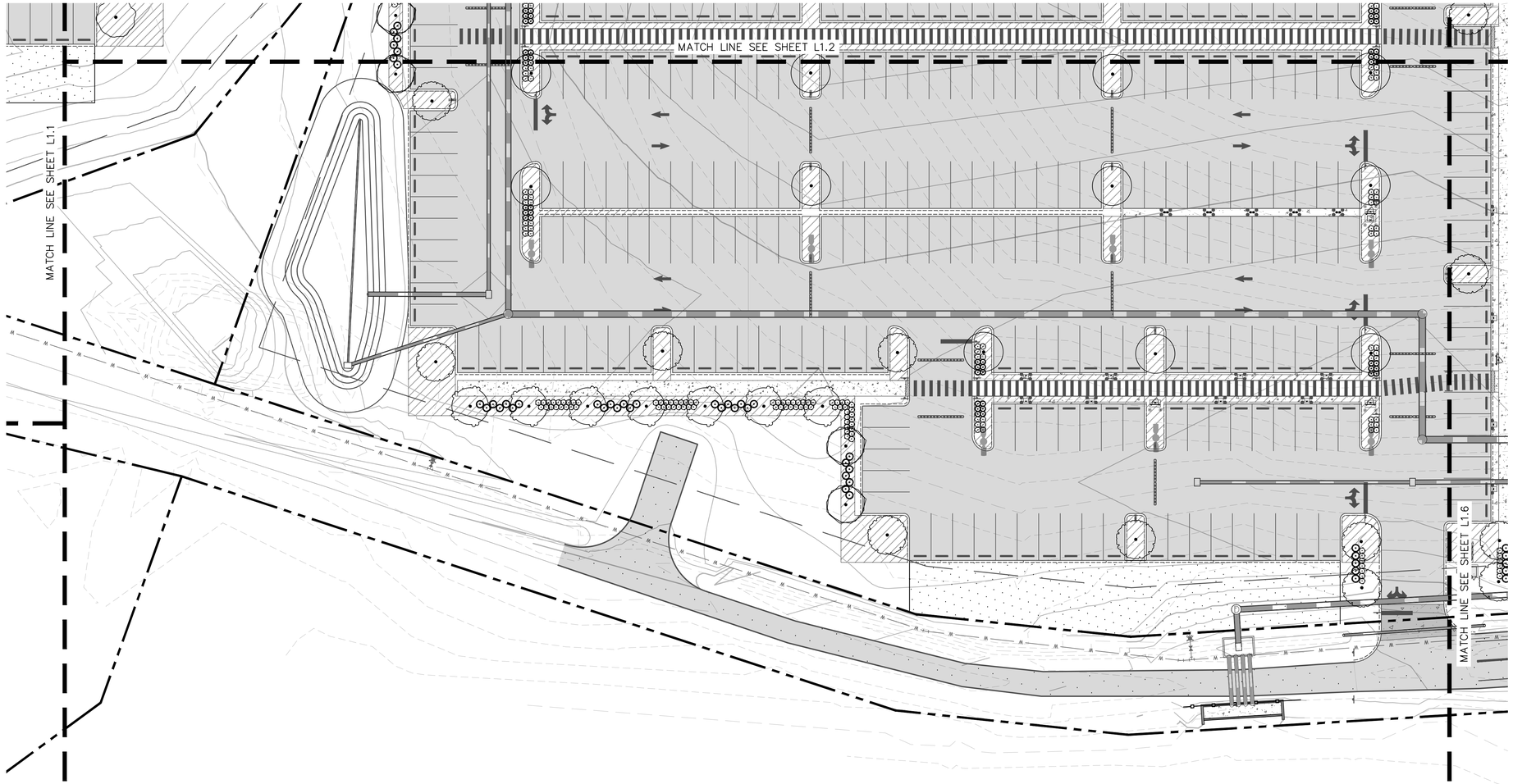
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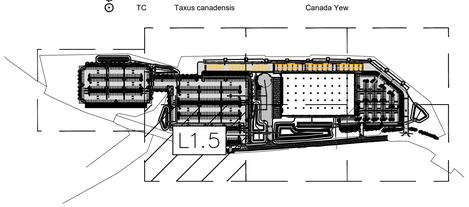
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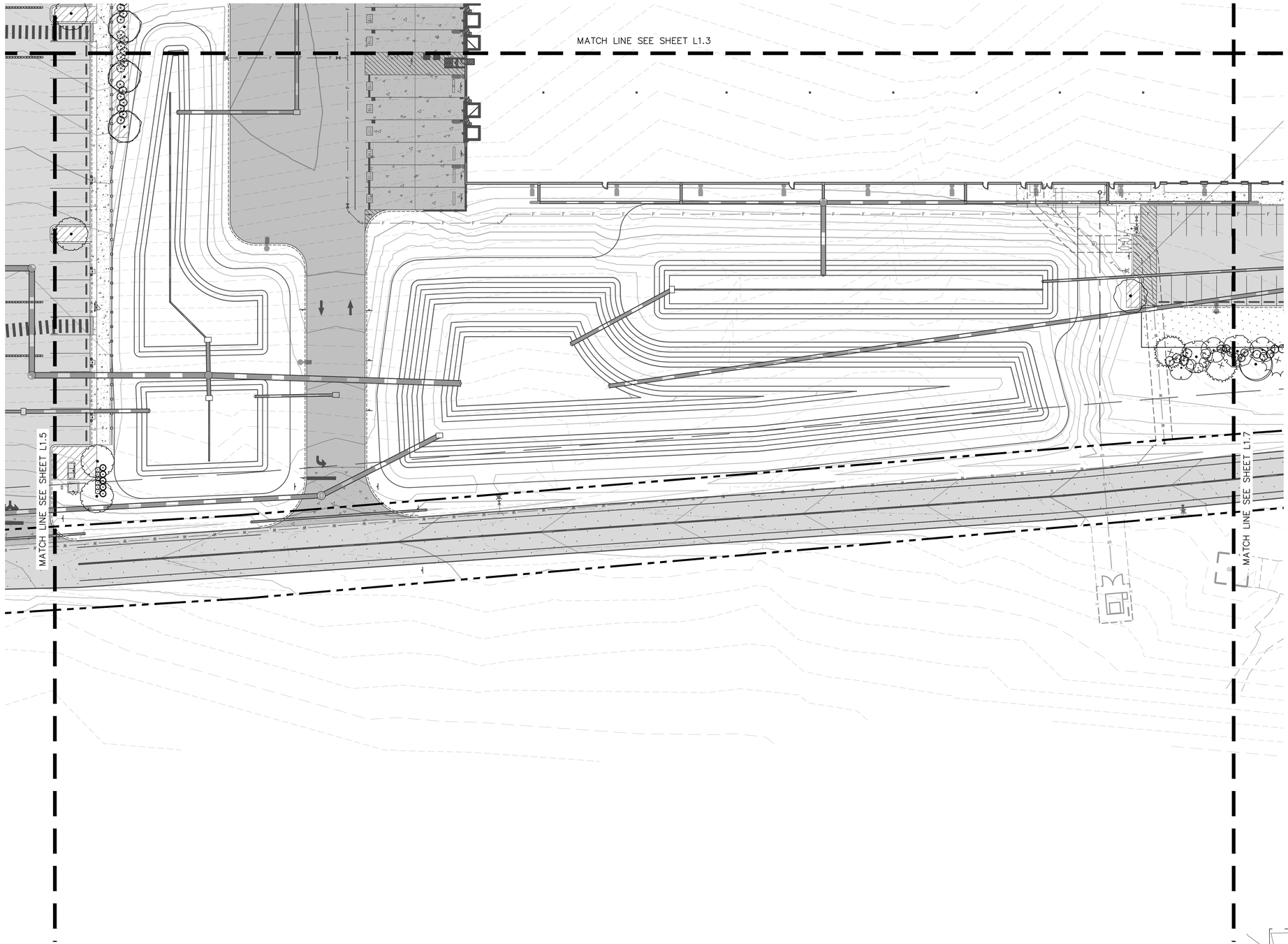
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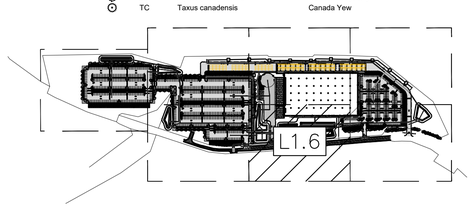
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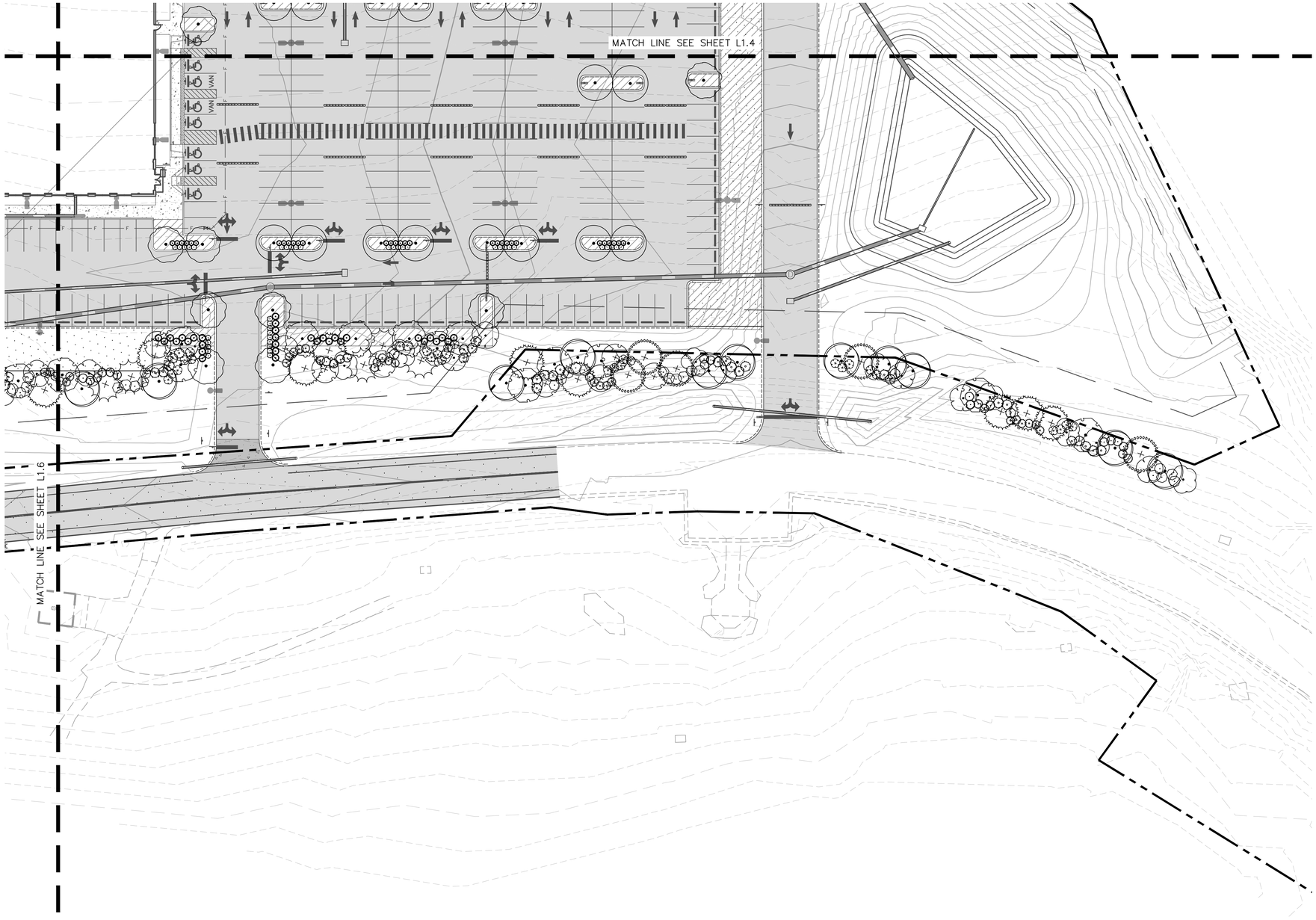
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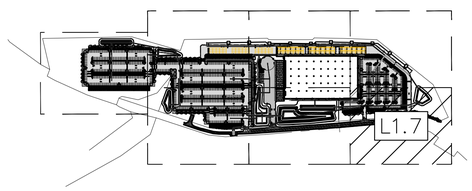
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GENERAL NOTES

1. Plants shall be healthy, vigorous material, free of pests and diseases and are subject to approval/rejection of the Landscape Architect prior to, during and after installation. Rejected plant material shall be removed from site.
2. Contractor shall identify all materials at growing location prior to purchase and submit digital photographs, and source list to the Landscape Architect for approval at a minimum of six (6) calendar weeks prior to installation. Plants not approved shall be re-sourced and resubmitted.
3. Planting beds and individual tree plantings shall be mulched continuously as specified. Planting and bed preparation are to be conducted under favorable weather conditions. Under no circumstance shall soil be worked, driven over, or walked upon while in a wet condition.
4. Prior to construction the contractor shall be responsible for locating underground utilities and execute work in a manner that avoids damage to utilities during the course of work. Contractor shall be responsible or remedy of any damage to utilities, structures, site appurtenances that occur as a result of landscape related work. When utility conflicts arise, please contact Landscape Architect. The Contractor is responsible for verifying depths and avoiding conflicts when trenching over or across areas where utilities exist.
5. Contractor is responsible for verifying quantities shown on documents. In the event of discrepancy, the Contractor shall notify the Landscape Architect prior to bid. Field adjustments shall be approved by Landscape Architect prior to installation. Quantities indicated on drawings are for reference; it is the Contractor's responsibility to ensure full coverage of plants at the indicated spacing. Any plant substitutions proposed require written approval by the Landscape Architect.
6. Contractor is responsible for warranty of all plant material, including seeding and sod, for a period of one (1) calendar year from date of substantial completion. Warranty includes maintenance of all plantings including, but not limited to watering, mowing, edging, spraying, mulching, fertilizing, adjusting stakes, weeding, seeding, and sodding of plantings and turf areas. Watering schedule is at the discretion of the Contractor, so long as plants are maintained in a will-free condition and maintain survival. Maintenance commences immediately upon arrival of plant material to the site. All plant material shall be watered immediately after planting. Warranty replacement planting shall meet or exceed the original specification identified on drawings. Replacement planting shall extend the same warranty as originally installed materials. Plantings and grass areas shall be flourishing and fully thriving at end of warranty period.
   6.1. Plants identified for warranty replacement by Owner or Landscape Architect shall be replaced immediately by the Contractor unless otherwise agreed upon. Plantings (trees, shrubs, groundcover) subject to warranty replacement shall exhibit characteristics of 30% dead-per individual plant, non-contributing or disease compromised. Grass areas suitable for acceptance shall demonstrate 85% sustained/consistent and continuous, densely established coverage. Contractor shall perform a site review at end of warranty period and provide the Owner with written documentation of the site, including plant health, warranty replacement items, and conditions that may be influencing plant health.
7. Contractor shall remove all staking and guying material from plants and site at end of warranty period.
8. Contractor shall comply with all local, state and federal requirements, codes and regulations related to the work undertaken.

PERFORMANCE SPECIFICATION

A. PLANTS

A. General

1. Meet or exceed measurements specified in the plant schedule.
2. Nursery grown, live, well-branched, and healthy plants free of dead branches and parts.
3. Free of disease, insect, injury and damage.
4. Unbroken, intact, dense and solid rootballs and containers, without cracks, flat sides or previously repaired damage.
5. Free of girdling roots or rootbound/circling container conditions.
6. Plants of consistent in growth habit and healthy character.
7. Free of compromising growth conditions such as weak crotch connections, crossed branches, snags and scars.
8. Graded, standards, caliper, sizes and stock consistent with *ANSI Z60.1, American Standard for Nursery Stock* most current edition.
9. Species identified consistent with *Hortus Third: Concise Dictionary of Plants Cultivated in the United States and Canada*, most current edition and *Manual of Woody Plants: Their Identification, Ornamental Characteristics, Culture, Propagation and Uses*, most current edition.
10. All disturbed areas shall be stabilized per the Erosion and Sediment Control Plans, unless otherwise identified on landscape plans.

B. Trees:

1. Deciduous Single Trunk
   a. Full, straight and upright with consistent symmetrical natural branching pattern throughout.
   b. Type I specification consistent to ANSI standards.

2. Deciduous Multi-Trunk
   a. Full and upright with straight consistent symmetrical natural branching pattern throughout.
   b. Canes evenly spaced and of similar growth habit.
   c. Free of suckers and extraneous branching.

3. Evergreen Single-Trunk
   a. Full and upright with continuous symmetrical dense natural habit.
   b. Free of suckers and extraneous branching.
   c. Do not shear or otherwise prune to shape plantings.

C. Evergreen and Deciduous Shrubs

1. Full, dense and naturally symmetrical.
2. Free of suckers and extraneous branching.
3. Do not shear or otherwise prune or shape plantings.

D. Evergreen and Deciduous Groundcover

1. Full and dense in pots or flats

E. Perennials and Seasonal Color

1. Full and dense in pots or flats

F. Turf Grass

1. Subgrade

a. Soil Mix-10% Compost, 90% topsoil by volume.
b. Preparation: Loosen subgrade to a minimum depth of four (4) inches. Remove all non-natural materials including litter, stones, sticks and all items greater than ¾ inch in any dimension.
c. Preparation: Spread soil mix at a depth of four (4) inches continuously to meet grade elevations shown on drawings. Allow for thickness of sod when applicable.

2. Grass Sod

a. Sod as specified per plans or as approved by the Landscape Architect.
b. Install not longer than twenty-four (24) hours from harvest.
c. Grass bed not less than two (2) inches in continuous thickness.
d. 100% continuous live sod coverage after first growing season and at end of warranty period.
e. Of uniform non-varying density and continuous texture quality capable of growth and development immediately upon installation. Weed and noxious plant free.
f. Stagger installation rows and place aligned parallel to contours.
g. Fill joints solidly with planting bed preparation soil.
h. Provide anchor pins at twenty-four (24) inches on center for slopes greater than 4:1.
i. All permanent sod shall be listed on the current Virginia turf grass variety recommendations and be blue bag certified.

3. Grass Seed

a. Mix as specified per plans or as approved by the Landscape Architect.
b. Provide first and new of year seed crops in mix free of weed seeds and deleterious matter.
c. Provide seed mix not greater than 15% annual or perennial rye.
d. Replacement or overseeding mixes consistent with original application/installation.
e. Provide erosion blankets or other slope retention methods as noted on drawings.
f. All permanent seed shall be listed on the current Virginia turf grass variety recommendations and be blue bag certified.
g. Seed rate equals one (1) pound per 1000 SF, or as per manufacturer's specification, or jurisdictions requirement.

II. Materials and Appurtenances

A. Testing

1. Materials testing information/certificates/dated labels shall be current to the project and performed/certified not greater than 120 calendar previous days from current date of submittal for review.

B. Top Soil

1. Neutral Ph balance 5.5 -7.5. Friable and containing 2.0-5.0% organic matter by dry weight. Continuously free of non-soil items such as stones, debris, sticks, trash, and deleterious matter greater than ¾ inch in any direction. Clay content shall not exceed 25%.Gravel content shall not exceed 10%. Silt shall not exceed 25%.

C. Use of Existing Topsoil

1. Existing topsoil on-site may be repurposed with prior Owner or project officer approval. Contractor shall provide soil testing and additive program that demonstrates consistent performance with characteristics and composition as identified in section II.B.1.

D. Shredded Hardwood Mulch

1. 100% organic shredded first year hardwood free of deleterious matter, rock, gravel and weed seed. Neutral pH balance 5.5-7.5.
2. Mulch top of root ball and saucer within 48 hours to a minimum of 2 inches and to a depth not to exceed 3 inches, or as specified in planting details, whichever is greater.
3. Mulch to bed lines where shown. Hedges are to be mulched as continuous beds, not individually, of the width shown on the plans. Trees shall be mulched within a minimum three (3) foot radius of each trunk or as identified on the plans. No mulch is to be placed in the plant crowns or against tree trunks within 6 inches.

E. Compost pH

1. Balanced 5.0-8.5 pH mature, stable and weed free produced by natural aerobic decomposition. Free of visible contaminants and toxic substances. Not greater than 5% sand, silt, clay or rock by dry weight. Consistent with US-EPA CFR Title 40 Part 503 Standards for Class A biosolids.
2. Compost Testing
   2.1. Prior to delivery on-site, the following items are required for approval by Owner: Feedstock percentage in final compost product; statement that the products meets federal, state and local health safety requirements.
   2.2. Provide copy of lab analysis less than 120 calendar days old verifying that the product meets described physical requirements; chemical contaminants; Ph; physical contaminants; biological contaminants (including a statement that fecal coliform and salmonella testing and results comply with requirements of the US Composting Council Seal of Testing approval programs.

G. Planting Soil Mix

1. 75% topsoil and 25% Compost.

H. Fertilizer

1. Turf - Granular 10% Nitrogen, 20% Phosphorous, 10% Potassium; Rate as recommended per manufacturer instructions. Product and Material Safety Data as approved by Owner.
2. Trees and Shrubs - Slow-release/tablet, 10% Nitrogen, 6% Phosphorous, 4% Potassium. Product and Material Safety Data as approved by Owner.

I. Hardwood Stakes

1. 2 x 2 x 48 inch square of sound hardwood.
2. All tree staking shall not conflict with pedestrian travel.

J. Tree Ties

1. Villa Non-Abrasive Rubber Tree Ties or as specified per the detail, or approved equal.

III. Execution

A. Site Conditions

1. Inspect site and notify Owner in writing of acceptance with indication that project conditions are acceptable are suitable to proceed with work. Notify Owner of any existing damage and/or other conflicting conditions.
2. Do not proceed with work until unsatisfactory conditions have been satisfactorily remedied. Notify Owner of acceptance prior to commencement of work.
3. Notify Owner in writing of any conditions that may preclude successful completion of work including items such as coordination with other trades, incomplete work, drainage, soil temperature and/or composition, access to storage/work areas, damage to conditions, etc.
4. Notify Owner in writing immediately of any items that may influence work schedule, timing of tasks, materials delivery and/or installation and warranty responsibilities.
5. Coordinate and cooperate with other trades working in and adjacent to work areas. Examine drawings of other trades which show development of the entire project and become familiar with the scope of required work by others.

B. Planting Seasons

Recommended seasons are a general guide based on historical climatic data and typical performance of plantings, and which vary dependent on project-specific environmental conditions. Due to construction schedules, recommended planting seasons may or may not coincide with request(s) for certificate of occupancy for projects. Coordination of planting installation and seasons shall be reviewed with Owner on an individual project basis.

1. Recommended planting seasons are March 15 - June 15 (Spring) and September 15 - November 15 (Fall).
2. Do not install plantings or turf grass between June 15 and September 15, without approval by Owner.
   2.1. Do not install/plant seed or sod turf grass areas when ambient air temperature is below forty (40) degrees Fahrenheit, or forecast for a twelve (12) hour period after completion of work.

C. Positioning & Location of Plantings

1. Position plants to show the most-prominent and well-formed face to most-public view.
2. Field locate plants and location/spacing/dimension of planting beds on project site prior to beginning installation.

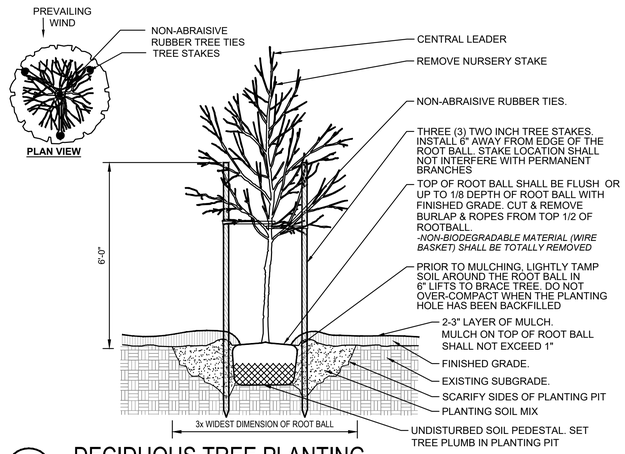
D. Implementation

1. Pursue work continuously without delay or interruption until completion unless notified otherwise by Owner.
2. Provide project submittals ahead of commencement of work. Landscape Architect requires a minimum of ten (10) working days from date of receipt for review of submittals and response to Owner and Contractor, or per project specifications.
3. Continuously update implementation schedule and notify Owner of progress. Delays related to material availability are not cause for non-completion of scheduled delivery of work.
4. Report delays due to weather or site conditions immediately upon finding. Provide recommendation for remedy of schedule delays.
5. Report delays due to extraordinary natural or other conditions beyond control of Contractor.
6. Excavate planting beds and pockets to a depth required for planting consistent with planting details.
   6.1. Remove the burlap, twine, and wire baskets from the top 1/2 of all B&B root balls.
   6.2. Remove entirety of plastic pots from all plant material.
   6.3. Remove any rock or other underground obstructions to depth necessary to permit planting consistent with planting details.
7. It shall be the responsibility to perform all work in a manner that protects completed work by others, such as curbs, utilities, storm drainage, fences, driveway aprons, drives, vegetation, etc. The Contractor shall be responsible for the cost of satisfactory repair of all damage in kind resulting from their failure to comply.
8. Contractor shall perform a site review at end of warranty period and provide the Owner with written documentation of the site, including plant health, warranty replacement items, and conditions that may be influencing plant health.

E. Clean Up

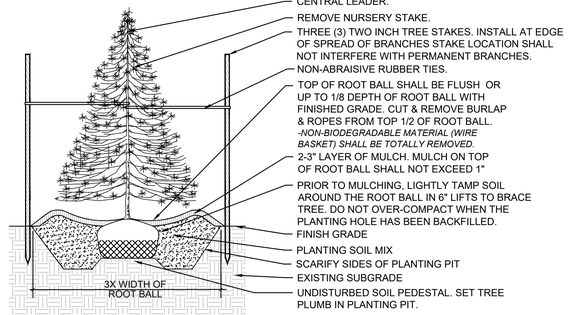
1. The work area is to be kept reasonably neat and clean and all debris hauled away and disposed of legally, off-site, in a timely manner.
2. Remove trash, debris and work materials from site prior to request for substantial completion. Thoroughly clean surfaces impacted by work including building, parking areas, roadways, sidewalks, signs, lights, site furnishings, etc.
3. Repair any damage to existing conditions that occurred during execution of work.
4. All clean-up and demobilization procedures shall be performed to satisfaction of the Owner and Landscape Architect.

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



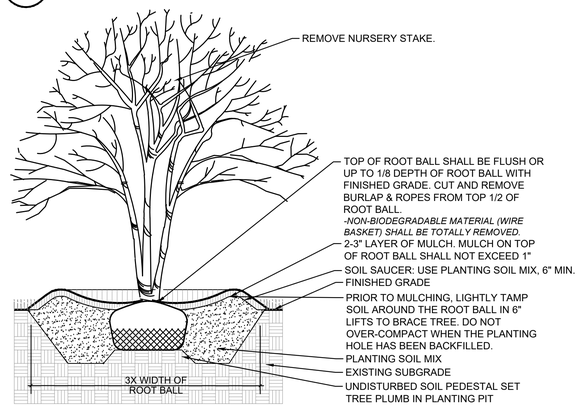
A DECIDUOUS TREE PLANTING

NOT TO SCALE



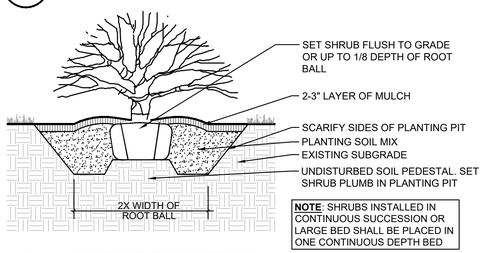
B EVERGREEN TREE PLANTING

NOT TO SCALE



C MULTI-TRUNK TREE PLANTING

NOT TO SCALE



D SHRUB PLANTING

NOT TO SCALE

Off-Road Parking Area Landscaping

Town of Big Flatts, Code of Ordinances
Section 17.48.0

PARKING AREA WEST

Gross Parking Area: 311,458 SF
Parking Spaces 624

	REQUIRED	PROVIDED
LANDSCAPING AREA (15% of Gross Parking Area)	*46,719 SF*	***48,894 SF***
INTERIOR PARKING TREES (One 3" min. caliper decidous tree per six parking spaces)	*104*	***104***
PERIPHERAL PARKING LANDSCAPING (Periphery linear feet x 10 width landscape screening)	*1,750 LF*	*1,750 LF*

PARKING AREA EAST

Gross Parking Area: 106,335 SF
Parking Spaces 309

	REQUIRED	PROVIDED
LANDSCAPING AREA (15% of Gross Parking Area)	*15,950 SF*	***16,822 SF***
INTERIOR PARKING TREES (One 3" min. caliper decidous tree per six parking spaces)	*52*	***52****
PERIPHERAL PARKING LANDSCAPING (Periphery linear feet x 10 width landscape screening)	*138 LF*	*138 LF*

Notes:
1. Peripheral parking landscaping calculations do not include areas adjacent to the building, snow removal locations, swm facility encroachments, or utility easements.
*2. *12 trees diplaced to Parking Area West.*

Buffer Yard Landscaping

Town of Big Flatts, Code of Ordinances
Section 17.36.200.D.3

Park Buffer

Buffer Requirement: Plant Quantities per 100 Linear Feet
Location: Lowe Road
Length 634 LF Width: 25'

Plant Material Type	*Quantity Required*	*Quantity Provided*
3 Shade Trees	20	**20**
3 Evergreen Trees	20	**20**
4 Small Trees	26	**26**
12 Deciduous Shrubs	77	**77**
10 Evergreen Shrubs	64	**64**

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL / HT
SHADE TREES						
	AN	11	Acer x freemanii 'Autumn Blaze'	Autumn Blaze Maple	B & B	1.5" Cal. Min.
	LD	25	Liquidambar styraciflua 'Rotundiloba'	Rotundiloba Fruitless Sweetgum	B & B	3" Cal. Min.
	NS	22	Nyssa sylvatica	Tupelo	B & B	3" Cal. Min.
	OV	32	Ostrya virginiana	American Hophornbeam	B & B	3" Cal. Min.
	PS	32	Prunus sargentii	Sargent Cherry	B & B	3" Cal. Min.
	QC	9	Quercus coccinea	Scarlet Oak	B & B	1.5" Cal. Min.
	ZS	45	Zelkova serrata	Japanese Zelkova	B & B	3" Cal. Min.
EVERGREEN TREES						
	IA	5	Ilex opaca	American Holly	B & B	5` HT MIN.
	JE	5	Juniperus virginiana	Eastern Redcedar	B & B	5` HT MIN.
	PG	10	Picea glauca	White Spruce	B & B	5` HT MIN.
SMALL TREES						
	CC	9	Cercis canadensis	Eastern Redbud	B & B	6' HT. MIN.
	CM	9	Cornus mas	Cornelian Cherry	B & B	6' HT. MIN.
	CV	8	Crataegus viridis 'Winter King'	Winter King Hawthorn	B & B	6' HT. MIN.

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	HEIGHT
DECIDUOUS SHRUBS						
	CR	198	Clethra alnifolia 'Ruby Spice'	Ruby Spice Summersweet	Cont.	15-18" HT MIN.
	FG	48	Forsythia x 'Northern Gold'	Northern Gold Forsythia	Cont.	15-18" HT MIN.
	FM	25	Fothergilla major	Mountain Witchalder	Cont.	15-18" HT MIN.
	IM	257	Itea virginica 'Merlot'	Merlot Sweetspire	Cont.	15-18" HT MIN.
	PT	45	Physocarpus opulifolius 'SMPOTW'	Tiny Wine® Ninebark	Cont.	15-18" HT MIN.
	VB	25	Viburnum prunifolium	Blackhaw Viburnum	Cont.	15-18" HT MIN.
EVERGREEN SHRUBS						
	IS	191	Ilex glabra 'Shamrock'	Shamrock Inkberry Holly	Cont.	18" HT MIN.
	IN	170	Ilex vomitoria 'Nana'	Dwarf Yaupon Holly	Cont.	18" HT MIN.
	MP	37	Myrica pensylvanica	Northern Bayberry	Cont.	18" HT MIN.
	TC	55	Taxus canadensis	Canada Yew	Cont.	18" HT MIN.

No.	REVISIONS	DATE	BY

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New York
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KHA PROJECT 249633002
DATE 1/15/2026
SCALE AS SHOWN
DESIGNED BY RAB
DRAWN BY RAB
CHECKED BY MJB

LANDSCAPE NOTES, DETAILS AND TABULATIONS

PROJECT MILO
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BIG FLATS, NY 14814
TOWN OF BIG FLATS NEW YORK

SHEET NUMBER
L1.8