

THIS PROJECT IS BEING PARTIALLY FUNDED BY THE UNITED STATES DEPARTMENT OF COMMERCE ECONOMIC DEVELOPMENT ADMINISTRATION INVESTMENT NO. ED24PHI0G0356

# CONTRACT DRAWINGS FOR THE CONSTRUCTION OF OSWEGO COUNTY INDUSTRIAL PARK INFRASTRUCTURE EXPANSION PROJECT

OSWEGO COUNTY  
OSWEGO COUNTY INDUSTRIAL PARK  
112 HARRIS DRIVE  
PHOENIX, NY 13135

C&S PROJECT: 180.272.001

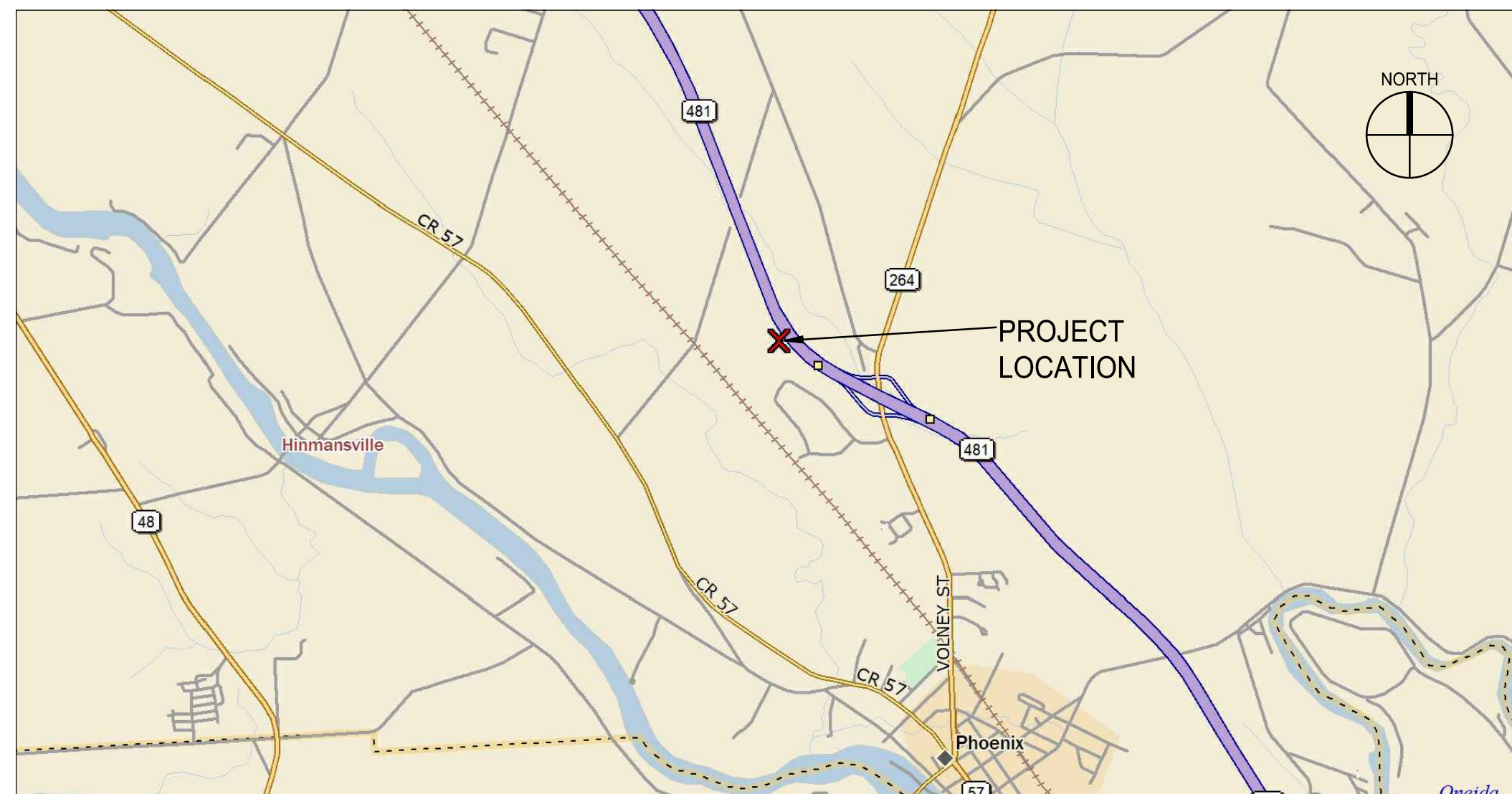
MAY 2026  
100% BID DOCUMENTS  
ISSUED FOR CONSTRUCTION



TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF THE PLANS AND SPECIFICATIONS FOR THIS PROJECT ARE IN COMPLIANCE WITH THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE AND THE BUILDING CODE OF NEW YORK STATE  
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

### SHEET LIST TABLE

SHEET NO.	SHEET TITLE	SHEET DESCRIPTION
1	G-001	TITLE SHEET
2	G-002	GENERAL NOTES, LEGEND & ABBREVIATIONS
3	G-003	ESTIMATE OF QUANTITIES
4	G-100	OVERALL PLAN
5	G-101	OVERALL PLAN
6	VF101	EXISTING CONDITIONS AND DEMOLITION PLAN
7	VF102	EXISTING CONDITIONS AND DEMOLITION PLAN
8	VF103	EXISTING CONDITIONS AND DEMOLITION PLAN
9	VF104	EXISTING CONDITIONS AND DEMOLITION PLAN
10	VF105	EXISTING CONDITIONS AND DEMOLITION PLAN
11	CE101	EROSION & SEDIMENT CONTROL PLAN
12	CE102	EROSION & SEDIMENT CONTROL PLAN
13	CE103	EROSION & SEDIMENT CONTROL PLAN
14	CE104	EROSION & SEDIMENT CONTROL PLAN
15	CE105	EROSION & SEDIMENT CONTROL PLAN
16	CE106	EROSION & SEDIMENT CONTROL PLAN
17	CE107	EROSION & SEDIMENT CONTROL PLAN
18	CS101	SITE PLAN
19	CS102	SITE PLAN
20	CS103	SITE PLAN
21	CS104	SITE PLAN
22	CS105	SITE PLAN
23	CS401	ENLARGED PUMP STATION SITE PLAN
24	CG101	GRADING PLAN AND ROAD PROFILES
25	CG102	GRADING PLAN AND ROAD PROFILES
26	CG103	GRADING PLAN AND ROAD PROFILES
27	CG104	GRADING PLAN AND ROAD PROFILES
28	CG105	GRADING PLAN AND ROAD PROFILES
29	CG401	ENLARGED PUMP STATION GRADING PLAN
30	CG402	EXTENDED GRADING PLAN FOR CG102
31	CG106	OVERALL LOT GRADING PLAN (ADD ON #1)
32	CG107	LOT GRADING AND EROSION CONTROL PLAN (ADD ON #1)
33	CG108	LOT GRADING AND EROSION CONTROL PLAN (ADD ON #1)
34	CG109	LOT GRADING AND EROSION CONTROL PLAN (ADD ON #1)
35	CU101	UTILITY PLAN
36	CU102	UTILITY PLAN
37	CU103	UTILITY PLAN
38	CU104	UTILITY PLAN
39	CU105	UTILITY PLAN
40	CU201	SANITARY PLAN AND PROFILE
41	CU202	SANITARY PLAN AND PROFILE
42	CU203	SANITARY PLAN AND PROFILE
43	CU204	SANITARY PLAN AND PROFILE
44	CU205	SANITARY PLAN AND PROFILE
45	CU206	WATER PLAN AND PROFILE
46	CU207	WATER PLAN AND PROFILE
47	CU208	WATER PLAN AND PROFILE
48	CU209	WATER PLAN AND PROFILE
49	CU210	WATER PLAN AND PROFILE
50	CU211	CULVERT PROFILES
51	CU401	ENLARGED PUMP STATION UTILITY PLAN
52	CE501	EROSION & SEDIMENT CONTROL DETAILS
53	CE502	EROSION & SEDIMENT CONTROL DETAILS
54	CS501	SITE DETAILS
55	CS502	SITE DETAILS
56	CS503	SITE DETAILS
57	CS504	SITE DETAILS
58	CS505	SITE DETAILS
59	CS506	WORK ZONE TRAFFIC CONTROL NOTES
60	CS507	WORK ZONE TRAFFIC CONTROL NOTES
61	CS508	WORK ZONE TRAFFIC CONTROL
62	CI100	STOPPING & INTERSECTION SIGHT DISTANCE
63	CI301	ROAD PROFILE
64	CI302	ROAD PROFILE
65	CI303	ROAD PROFILE
66	E-101	ELECTRICAL PLAN
67	E-102	ELECTRICAL PLAN
68	E-103	ELECTRICAL PLAN
69	E-104	ELECTRICAL PLAN
70	E-105	ELECTRICAL PLAN
71	E-106	ELECTRICAL PLAN
72	E-107	ENLARGED PUMP STATION ELECTRICAL PLAN
73	E-501	ELECTRICAL DETAILS



LOCATION MAP

GENERAL NOTES:

- THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE BASED ON EXISTING DOCUMENTATION TO THE EXTENT AVAILABLE. THE CONTRACTOR SHALL VERIFY THE TRUE LOCATION AND ELEVATIONS BEFORE COMMENCING WORK.
- CONTRACTOR SHALL NOTIFY DIG SAFELY NEW YORK AT LEAST 72 HOURS PRIOR TO START OF WORK.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH UTILITY COMPANIES TO THE EXTENT REQUIRED FOR EXECUTION OF WORK.
- IN THE EVENT THAT THE CONTRACTOR DAMAGES ANY EXISTING UTILITIES, IMMEDIATELY NOTIFY THE OWNER, ENGINEER AND THE AFFECTED UTILITIES REPRESENTATIVE OF SUCH DAMAGE. ANY DAMAGE SHALL PROMPTLY AND SATISFACTORILY BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES ENCOUNTERED IN THIS WORK. WHERE NECESSARY, THE CONTRACTOR SHALL PROVIDE TIMBER, PLANK OR OTHER APPROVED MATERIALS AND SECURELY BRACE AND PROTECT THESE UTILITIES.
- THE CONTRACTOR MUST BE ACQUAINTED WITH THE DRAINAGE CHARACTERISTICS OF THE AREA TO PROGRESS THE WORK EFFICIENTLY WITH FULL KNOWLEDGE OF THE POTENTIAL DRAINAGE PROBLEMS.
- ALL EXISTING DRAINAGE SYSTEMS, INCLUDING DITCHES AND CULVERTS, WITHIN THE CONTRACT LIMITS SHALL BE CLEANED AND KEPT CLEAN AND FREE FLOWING FOR THE DURATION OF THE CONTRACT.
- ROADSIDE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES.
- THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SUPPORTS, BRACING AND OTHER DEVICES AS MAY BE REQUIRED OR AS DIRECTED BY THE ENGINEER TO PROTECT THE SAFETY OF THE ADJACENT STRUCTURES, ROADWAY AND UTILITIES.
- IT WILL BE THE CONTRACTORS OBLIGATION AND RESPONSIBILITY TO USE METHODS AND EQUIPMENT WHICH WILL INSURE THE SATISFACTORY COMPLETION OF THE REQUIRED WORK WITHIN THE CONTRACT TIME ALLOWED.
- THE CONTRACTOR SHALL BE REQUIRED TO PROTECT WORKERS AT ALL TIMES IN CONFORMANCE WITH APPLICABLE OSHA REGULATIONS.
- THE CONTRACTOR'S STAGING AREA SHALL BE COORDINATED WITH THE OWNER AND ENGINEER PRIOR TO THE START OF WORK.
- ALL UNSUITABLE SPOIL MATERIAL, SUCH AS CONCRETE AND ASPHALT AND EXCAVATED MATERIAL, SHALL BE DISPOSED OF OFF SITE TO A PERMITTED FACILITY.
- CONTRACTOR SHALL KEEP ALL PUBLIC ROADWAYS CLEAN OF MUD AND DEBRIS AT ALL TIMES.
- THE COORDINATE SYSTEM IS NAD83, NEW YORK STATE PLANES, CENTRAL ZONE, US FOOT. ALL ELEVATIONS REFERRED TO NAVD 88.
- TOPOGRAPHIC SURVEYING AND BASE MAPPING FOR THIS PROJECT WAS PREPARED BY IANUZI & ROMANS LAND SURVEYING, P.C., DATED APRIL 7, 2025. THE LOCATION, SIZE, AND ELEVATIONS OF EXISTING UTILITIES ARE BASED ON INFORMATION COMPILED FROM RECORD DRAWINGS AND FIELD INFORMATION.
- CONTRACTOR SHALL SAWCUT EXISTING PAVEMENT PRIOR TO PAVEMENT REMOVAL OR TRENCHING OPERATIONS.
- ALL FOUNDATION, CONCRETE SLAB, AND PAVEMENT VOIDS, CREATED AFTER REMOVAL, SHALL BE FILLED TO MATCH EXISTING GRADE (GRADE TO DRAIN) WITH COMPACTED RUN OF BANK OR APPROVED EQUAL.
- THE DRAWINGS AND PROJECT MANUAL ARE COMPLEMENTARY AND THEIR INTENT IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT. THE ORGANIZATION OF THE DRAWINGS AND PROJECT MANUAL SHALL NOT CONTROL THE CONTRACTOR IN DIVIDING WORK AMONG THE SUBCONTRACTORS OR IN ESTABLISHING THE EXTENT OF WORK PERFORMED BY ANY TRADE.
- REVIEW DOCUMENTS, VERIFY DIMENSIONS AND FIELD CONDITIONS AND CONFIRM THAT THE WORK IS BUILDABLE AS SHOWN. THE CONTRACTOR SHALL REPORT ANY CONFLICTS AND/OR OMISSIONS TO THE ENGINEER/ARCHITECT PRIOR TO PERFORMING ANY WORK IN QUESTION. OTHERWISE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS TO COMPLETE THE WORK STATED IN THE CONTRACT DOCUMENTS BASED UPON OPTIMAL ESTABLISHED QUALITY STANDARD.
- THE CONTRACTOR SHALL VERIFY LOCATIONS, LEVELS, DISTANCES AND FEATURES OF THE SITE AND RELATED IMPROVEMENTS THAT MAY AFFECT THE WORK, INCLUDING RELATED WORK BY SEPARATE CONTRACTORS. NO ALLOWANCE WILL BE MADE ON HIS BEHALF FOR ANY EXTRA EXPENSE RESULTING FROM FAILURE OR NEGLIGENCE IN DETERMINING THE CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED.
- ALL RIGHT OF WAY AND PROPERTY BOUNDARY MARKERS SHALL BE SAFEGUARDED, PROTECTED AND PRESERVED. ANY MARKERS THAT ARE DISTURBED BY THE CONTRACTOR SHALL BE RESET BY A NEW YORK STATE LICENSED LAND SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.
- CONTRACTOR WILL BE REQUIRED TO IMPORT MATERIAL TO THE SITE, AS NECESSARY, TO COMPLETE ALL GRADING WORK.
- ALL DISTURBED AREAS SHALL BE GRADED TO PROVIDE A SMOOTH MAINTAINABLE SURFACE AND ALLOW FOR POSITIVE DRAINAGE.
- CONTRACTOR SHALL TOPSOIL (4" MIN.), SEED, FERTILIZE AND MULCH ALL DISTURBED AREAS NOT SCHEDULED FOR PAVEMENT EXCEPT FOR THE STAGING AREA DELINEATED ON THE SITE PLAN.
- IF THE ROADSIDE DITCH CANNOT BE COMPLETED BECAUSE PAVING IS REQUIRED OR FOR OTHER REASONS, THE SEEDING AND MULCHING SHOULD BE COMPLETED TO THE TOP OF THE BACKSLOPE.
- THE SUBBASE MATERIAL AND DITCH IF REQUIRED, SHALL BE SEEDED AND MULCHED AS SOON AS THE SHOULDER IS COMPLETED UNLESS CRUSHED STONE OR SLAG IS USED.
- WHEN THE CUT OR FILL SLOPE CANNOT BE BROUGHT TO FINAL GRADE IN A REASONABLE LENGTH OF TIME, THE SLOPE SHALL BE TEMPORARILY SEEDED AND MULCHED UNDER ITEM 209.1003.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DE-WATERING COSTS ASSOCIATED WITH THE PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL PROPOSED AND EXISTING MANHOLE FRAMES, COVERS AND GRATES, AND ALL VALVE BOXES.
- ALL SURVEY OPERATIONS, INCLUDING BUT NOT LIMITED TO THE ESTABLISHMENT, REESTABLISHMENT OR LOCALIZATION OF PRIMARY AND SECONDARY CONTROL, THE STAKEOUT OR LAYOUT OF PROPOSED FEATURES, THE INITIALIZATION, CALIBRATION AND NAVIGATION OF AUTOMATED EQUIPMENT OPERATIONS, AND THE LOCATION OR VERIFICATION OF EXISTING TERRAIN OR CONSTRUCTED FEATURES, SHALL BE COVERED UNDER ITEM 625.01.
- ALL WORK UNDER THIS CONTRACT IS TO BE COVER BY AND IN CONFORMITY WITH THE STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS SPECIFICATIONS, STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, OFFICE OF ENGINEERING, ADOPTED JANUARY 1, 2025.
- THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY THE DEPARTMENT, WHICH ARE CURRENT AS THE STANDARD SPECIFICATIONS ADOPTION DATE SHOWN ON THE PROPOSAL COVER, SHALL BE CONSIDER TO BE IN EFFECT. ALL PAY ITEMS AND WORK CONTAINED THE CONTRACT AND ANY ADDITIONAL PAY ITEMS AND WORK ENCOUNTERED DURING THE COURSE OF THE CONTRACT SHALL BE SUBJECT TO THE APPLICABLE STANDARD SHEET(S) UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.

DEMOLITION NOTES:

- WHERE PAVEMENT REMOVAL IS SHOWN ON THE DEMOLITION PLANS, REMOVE CONCRETE / ASPHALT AND SUBBASE MATERIAL (FULL DEPTH). ALL ASPHALT AND CONCRETE TO BE REMOVED FROM THE SITE AND DISPOSED AT A LOCATION DETERMINED BY THE CONTRACTOR.
- CONTRACTOR SHALL SAWCUT EXISTING PAVEMENT, CONCRETE PADS, CONCRETE SIDEWALKS, CONCRETE CURBS, AND EXISTING UTILITY PIPING PRIOR TO REMOVAL OF SUCH. ALL SAWCUTS TO BE PERFORMED WITH WET CUT SAW.
- CONTRACTOR SHALL REMOVE EXISTING PAVEMENT AS REQUIRED TO INSTALL THE NEW WORK.
- CONTRACTOR TO COMPLY WITH CODES, LAWS AND REGULATIONS OF ALL GOVERNING AUTHORITIES IN THE EXECUTION OF THE WORK.
- CONTRACTOR TO REVIEW DOCUMENTS AND FIELD CONDITIONS, VERIFYING THAT THE WORK IS BUILDABLE AS SHOWN. NOTIFY ANY CONFLICTS OR OMISSIONS TO ENGINEER OR ARCHITECT FOR CLARIFICATION PRIOR TO PERFORMING WORK IN QUESTION.
- COMPLETELY PROTECT IN-PLACE ELEMENTS AND MATERIALS TO REMAIN FROM DAMAGE AND DETERIORATION THAT MIGHT RESULT FROM WORK OF SELECTIVE REMOVAL AND SALVAGE, INCLUDING, BUT NOT LIMITED TO, DUST, DIRT, VIBRATION, WATER, WATER VAPOR, CONDENSATION, CHEMICALS, IMPACT, HUMIDITY, APPLICATION OF PROTECTION, DURATION OF PROTECTION AND REMOVAL OF PROTECTION.

SOIL AND EROSION CONTROL NOTES:

- REFER TO THE SPECIFICATIONS AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR ADDITIONAL REQUIREMENTS. THE CONTRACTOR SHALL STRICTLY ADHERE TO THE REQUIREMENTS OF THE SWPPP DURING CONSTRUCTION OPERATIONS. ADDITIONAL EROSION CONTROL MEASURES MAY BE NECESSARY, IF DEEMED BY THE ONSITE SWPPP INSPECTION REPORTS.
- IN ACCORDANCE WITH SECTION 107-12 OF THE NYS DOT STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL REVIEW THE EROSION AND SEDIMENT CONTROL PLAN INCLUDED IN THE CONTRACT DOCUMENTS, AND IF NECESSARY, MODIFY THE PLAN WITH THE CONTRACTOR'S INTENDED SEQUENCE AND TYPES OF OPERATIONS. THE CONTRACTORS MODIFIED EROSION AND SEDIMENT CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL, ALONG WITH A PROGRESS SCHEDULE THAT ADDRESSES THIS WORK.
- DRAWINGS AND DETAILS RELATING TO SOIL EROSION AND SEDIMENT CONTROL (SESC) ARE NOT INTENDED TO BE ALL INCLUSIVE BUT TO SERVE AS A GUIDELINE FOR THE DEVELOPMENT OF THE CONTRACTOR'S EROSION CONTROL SCHEME(S) REQUIRED UNDER SECTION 209 OF THE STANDARD SPECIFICATIONS.
- SOIL EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE INSTALLED AND FULLY FUNCTIONAL PRIOR TO ANY SITE DISTURBANCE. SOIL EROSION AND SEDIMENT CONTROL FACILITIES ARE TO BE MAINTAINED DURING CONSTRUCTION AND REMOVED UPON COMPLETION OF CONSTRUCTION.
- ALL ROADWAYS SHALL BE KEPT CLEAN OF MUD AND DEBRIS. FILL SHALL NOT BE SPILLED ONTO ROADWAY. ALL SPILLED MATERIALS SHALL BE PROMPTLY REMOVED.
- THE AREAS OF CONSTRUCTION SHALL BE LEFT IN STABLE CONDITION AT THE CLOSE OF EACH CONSTRUCTION DAY.
- STORM INLETS SHALL BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION BY USE OF INLET PROTECTION OR OTHER APPROVED MEANS.
- SOIL STOCKPILE AREAS ARE TO BE IMMEDIATELY SURROUNDED WITH SILT FENCING, OR OTHER EROSION CONTROL MEASURES OR AS ORDERED BY THE OWNER'S REPRESENTATIVE.
- CONTRACTOR TO PROVIDE APPROVED DUST CONTROL MEASURES. THE CONTRACTOR SHALL HAVE A WATER TRUCK OR OTHER ACCEPTABLE MEANS OF CONTROLLING DUST AVAILABLE AT ALL TIMES.
- ALL EROSION CONTROL FACILITIES SHALL BE INSPECTED AS OUTLINED IN THE APPROVED SWPPP FOR THE PROJECT. ANY NECESSARY REPAIRS SHALL BE MADE IMMEDIATELY TO ENSURE FUNCTIONALITY.
- AREAS OF SOIL DISTURBANCE SHALL NOT BE LEFT FOR A PERIOD OF GREATER THAN 7 DAYS WITHOUT TEMPORARILY STABILIZING THOSE AREAS WITH STRAW MULCH (ITEM 209.100101). MULCH SHALL BE MAINTAINED UNTIL SUITABLE VEGETATIVE COVER IS ESTABLISHED.
- WATER FLOW THROUGH EXISTING CULVERTS SHALL BE MAINTAINED AT ALL TIMES. PRIOR TO BEGINNING WORK ON ANY CULVERT AND/OR STRUCTURE THE CONTRACTOR SHALL SUBMIT A PLAN FOR MAINTAINING WATER FLOW TO ENGINEER FOR APPROVAL.
- TEMPORARY LINING MATERIAL MAY BE REQUIRED WHERE THE CONTRACTOR PROVIDES TEMPORARY CHANNELS TO KEEP CONTRACTOR'S WORK SITES FREE FROM WATER DURING CONSTRUCTION AOE. NO DIRECT PAYMENT WILL BE MADE FOR THIS WORK. THE COST IS TO BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS OF THE CONTRACT.
- REFER TO NYS DOT 209 SERIES STANDARD SHEETS FOR TYPICAL DETAILS.

USACE NATIONWIDE PERMIT 39:

THE RECIPIENT AND CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF THE USACE NATIONWIDE PERMIT NO. 39, ISSUED APRIL 7, 2026. THIS INCLUDES THE GENERAL AND SPECIFIC REGIONAL CONDITIONS ATTACHED TO THE NWP IN ADDITION TO THE FOLLOWING SPECIAL CONDITIONS:

- THE PERMITTEE MUST NOTIFY THE REGULATORY BRANCH, IN WRITING, AT LEAST ONE DAY PRIOR TO THE DATE THE ACTIVITIES AUTHORIZED IN WATERS OF THE UNITED STATES, INCLUDING WETLANDS, ARE SCHEDULED TO BEGIN. NOTIFICATION SHALL EITHER BE BY: 1) E-MAIL SENT TO [LRB.REGULATORY.PERMITCOMPLIANCE@USACE.ARMY.MIL](mailto:LRB.REGULATORY.PERMITCOMPLIANCE@USACE.ARMY.MIL); OR 2) MAILED TO THE FOLLOWING ADDRESS: REGULATORY BRANCH, U.S. ARMY CORPS OF ENGINEERS, BUFFALO DISTRICT, 478 MAIN STREET, BUFFALO, NEW YORK 14202.
- AS COMPENSATORY MITIGATION FOR THE PERMANENT AND UNAVOIDABLE LOSS OF 0.420 ACRES OF FEDERAL JURISDICTIONAL WETLANDS, THE PERMITTEE MUST PURCHASE 0.566 WETLAND CREDITS FROM THE DUCKS UNLIMITED IN-LIEU FEE MITIGATION PROGRAM OSWEGO SERVICE AREA. PRIOR TO COMMENCING THE WORK ASSOCIATED WITH THIS PERMIT AUTHORIZATION, THE PERMITTEE MUST SUPPLY THIS OFFICE WITH A COPY OF THE SIGNED CREDIT SALE LETTER VERIFYING ACCEPTANCE OF FULL PAYMENT BY THE DUCKS UNLIMITED IN-LIEU FEE MITIGATION PROGRAM FOR THE APPROPRIATE CREDITS. THE DOCUMENTATION MUST BE SENT TO [LRB.REGULATORY.PERMITCOMPLIANCE@USACE.ARMY.MIL](mailto:LRB.REGULATORY.PERMITCOMPLIANCE@USACE.ARMY.MIL).

IN THE EVENT THE RECIPIENT IS UNABLE OR UNWILLING TO MEET THE CONDITIONS OF THE PERMIT, THE RECIPIENT AGREES, IN EDA'S DISCRETION, TO TERMINATE THE AWARD FOR CONVENIENCE.

EXISTING

- PROPERTY LINE
- 495 --- CONTOUR
- BRUSH & TREE LINE
- TREE
- x --- x --- EXISTING FENCE
- W --- WATER LINE
- W VALVE WATER VALVE
- HYDRANT
- UTILITY POLE
- GAS LINE
- GAS VALVE
- T --- TELECOMMUNICATIONS
- OE --- OVERHEAD ELECTRIC

PROPOSED

- ST STORM SEWER
- STORM SEWER STRUCTURE
- SA SANITARY SEWER
- SANITARY SEWER STRUCTURE
- LIGHT POLE
- STREAM
- SIGN
- RAILROAD TRACKS
- WETLAND
- SIGN
- CONIFEROUS / DECIDUOUS TREE
- CONCRETE SIDEWALK / CONCRETE CROSSWALK
- ASPHALT PAVEMENT
- DETECTABLE WARNING PLATE
- CROSSWALK
- MAJOR CONTOURS
- MINOR CONTOURS
- UNDERGROUND ELECTRIC
- UNDERGROUND COMMUNICATIONS
- HANDHOLE

C1 LEGEND

NOT TO SCALE

&	AND	DH	DEEP HOLE	HH	HAND HOLE	PVC	POLYVINYL CHLORIDE
@	AT	DMH	DRAINAGE MANHOLE	INV	INVERT	S	SLOPE
A/C	AIRCRAFT	DW	DRY WELL	LF	LINEAR FEET	SA, SAN, SS	SANITARY SEWER
AFG	ABOVE FINISHED GRADE	EA	EACH	MAX	MAXIMUM	SH	SIGNAL HAND HOLE
BC	BOTTOM OF CONCRETE	EL, ELEV	ELEVATION	MC	MECHANICAL CONTRACT(OR)	SF	SILT FENCE
BLDG.	BUILDING	EC	ELECTRICAL CONTRACT(OR)	MH	MANHOLE	S.F., SQ. FT.	SQUARE FEET
C	CENTERLINE	EDB	ELECTRICAL DUCT BANK	MIN	MINIMUM	ST	STORM SEWER
CATV	CABLE TELEVISION	ELEC	ELECTRICAL	MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES	STD	STANDARD
CB	CATCH BASIN	ES	END SECTION	N	NORTH	T	TELEPHONE
CHH	COMMUNICATION HAND HOLE	EX, EXIST	EXISTING	NTS	NOT TO SCALE	TC	TOP OF CONCRETE
CMH	COMMUNICATION MANHOLE	F.F.E.	FINISH FLOOR ELEVATION	O.C.	ON CENTER	TCF	TEMPORARY CONSTRUCTION FENCE
CLR	CLEAR	FMH	FUEL MANHOLE	O.H.W.M	ORDINARY HIGH WATER MARK	TYP	TYPICAL
C.O.	CLEAN OUT	FR	FUEL RETURN	OS	OUTLET STRUCTURE	UD	UNDERDRAIN
CONC	CONCRETE	FS	FUEL SUPPLY	ϕ	PROPERTY LINE	V	VENT
CP	CONTROL POINT	FT	FOOT, FEET	PC	PLUMBING CONTRACT(OR)	VIT	VITRIOUS CLAY PIPE
∅, DIA	DIAMETER	GC	GENERAL CONTRACTOR	PT	PERCOLATION TEST	W	WATER
NOTE: NOT ALL ABBREVIATIONS ARE USED.							

A1 ABBREVIATIONS

NOT TO SCALE



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100% BID DOCUMENTS  
ISSUED FOR CONSTRUCTION

COUNTY OF OSWEGO INDUSTRIAL DEVELOPMENT AGENCY

OSWEGO COUNTY - INDUSTRIAL  
PARK INFRASTRUCTURE  
EXPANSION PROJECT  
112 HARRIS DRIVE  
PHOENIX, NY 13135

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO:	180.272.001	
DATE:	MAY 2026	
DRAWN BY:	M. MARCHEWKA	
DESIGNED BY:	M. MARCHEWKA	
CHECKED BY:	K. GRAHAM, P.E.	
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

GENERAL NOTES,  
LEGEND &  
ABBREVIATIONS

G-002

SHEET NO. 2 OF 73

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2

3

4

TABLE OF QUANTITIES

ITEM	DESCRIPTION	UNIT	PROP. QTY.
201.06	CLEARING AND GRUBBING	LS	NEC
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL (CUT MATERIAL FROM ROAD AND SWALE TO BE GRADED ONSITE)	CY	13500
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL (ADDITIONAL EXCAVATION BELOW SUBGRADE TO BE GRADED ONSITE)	CY	3400
203.03	EMBANKMENT IN PLACE	CY	2100
203.07	SELECT GRANULAR FILL - LINING COURSE	CY	930
203.07	SELECT GRANULAR FILL - BELOW PAVEMENT SUBBASE	CY	4430
206.0201	TRENCH AND CULVERT EXCAVATION	CY	8400
206.0201	TRENCH AND CULVERT EXCAVATION (ADDITIONAL EXCAVATION BELOW SUBGRADE TO BE GRADED ONSITE)	CY	450
207.21	GEOTEXTILE SEPARATION	SY	13120
209.1003	SEED AND MULCH - TEMPORARY	SY	38500
209.13	SILT FENCE - TEMPORARY	LF	8250
209.22	CONSTRUCTION ENTRANCE	SY	380
209.2301	COMPOST FILTER SOCK, 12 IN	LF	460
304.12	SUBBASE COURSE, TYPE 2 (18" ROAD SUBBASE COURSE)	CY	6925
304.12	SUBBASE COURSE, TYPE 2 (FINAL BACKFILL COURSE FOR UTILITY, EXCLUDING ROAD SUBBASE COURSE)	CY	330
404.0983	9.5 F3 TOP COURSE ASPHALT, 80 SERIES COMPACTION	TON	1100
404.1989	19 F9 BINDER COURSE HMA, 80 SERIES COMPACTION	TON	1870
404.3789	37.9 F9 BASE COUSE, 80 SERIES COMPACTION	TON	3030
407.0102	DILUTED TACK COAT	GAL	1072
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF	10851
552.17	SHIELDS AND SHORING	SF	133908
603.0101	CULVERT - END SAFETY GRATE	SF	100
603.171416	GALVANIZED STEEL END SECTION - PIPE 24 INCH DIAMETER, 16 GAUGE	EACH	2
603.6001	REINFORCED CONCRETE PIPE CLASS III, 12 INCH DIAMETER	LF	50
603.6002	REINFORCED CONCRETE PIPE CLASS III, 15 INCH DIAMETER	LF	180
603.6009	REINFORCED CONCRETE PIPE CLASS III, 36 INCH DIAMETER	LF	50
603.6704	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE, CLASS HE III, 24" RISE, 38" SPAN	LF	60
603.67040008	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE END SECTION, CLASS HE III 24 INCH RISE X 38 INCH SPAN	EACH	2
603.7301	REINFORCED CONCRETE PIPE END SECTIONS 12 INCH DIAMETER	EACH	2
603.7302	REINFORCED CONCRETE PIPE END SECTIONS 15 INCH DIAMETER	EACH	6
603.7309	REINFORCED CONCRETE PIPE END SECTIONS 36 INCH DIAMETER	EACH	2
603.881416	CORRUGATED STEEL PIPE ALUMINUM COATED (TYPE 2) (2-2/3" X 1/2") 24 INCH DIAMETER 16 GAUGE	LF	99
603.94001207	FURNISH AND INSTALL HDPE PIPE - 12 NPS	LF	305
603.94001807	FURNISH AND INSTALL HDPE PIPE - 18 NPS	LF	265
603.98060007	POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, 6"	LF	577
603.98080007	POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, 8"	LF	3214
607.41010010	TEMPORARY PLASTIC BARRIER FENCE	LF	2853
610.1402	TOPSOIL - ROADSIDE (SALVAGED ONSITE MATERIAL)	CY	1860
610.1403	TOPSOIL - LAWNS (SALVAGED ONSITE MATERIAL)	CY	2500
610.1402	TOPSOIL - ROADSIDE (IMPORTED)	CY	250
610.1403	TOPSOIL - LAWNS (IMPORTED)	CY	250
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY	16800
610.1602	TURF ESTABLISHMENT - LAWNS	SY	22500
618.78101115	SECURITY BOLLARD FIXED, CAST IN PLACE, DEEP	EACH	2
619.01	BASIC WORK ZONE TRAFFIC CONTROL	LS	1
619.07010C	TEMPORARY EDA SITE SIGN	EACH	1
620.04	STONE FILLING (MEDIUM)	CY	70
623.12110001	CRUSHED STONE (BEDDING COURSE)	CY	500
623.12110001	CRUSHED STONE (ADDITIONAL STONE BELOW SUBGRADE)	CY	450
625.01	SURVEY OPERATIONS	LS	NEC
627.50140008	CUTTING PAVEMENT	LF	120
633.12	CLEANING, SEALING AND OR FILLING CRACKS	LS	NEC
645.5102	GROUND-MOUNTED SIGN PANELS WITHOUT Z-BARS	SF	6.25
645.81	TYPE A SIGN POSTS	EACH	1
655.0502001	FRAMES AND COVERS FOR SANITARY SEWER MANHOLES	EACH	11
662.30872010C	8"W X 8"D X 7"D ELECTRICAL POWER PREACST MANHOLES	EACH	11
662.30848010C	4"W X 4"D X 4"D COMMUNICATIONS PREACST MANHOLES	EACH	12
662.6001004	FURNISHING ELECTRICAL SERVICE	LS	1
663.0112	DUCTILE IRON CEMENT LINED WATER PIPE, 12"	LF	3787
663.1006	RESILIENT GATE VALVE & VALVE BOX, 6"	EACH	9
663.1012	RESILIENT GATE VALVE & VALVE BOX, 12"	EACH	9
663.1301	HYDRANT	EACH	9
663.161212	TAPPING SLEEVE, VALVE & VALVE BOX ASSEMBLY, 12" X 12"	EACH	1
663.2002	IRON WATER MAIN FITTINGS (10" - 16")	LB	5410
663.2112	WEDGE TYPE MECHANICAL RESTRAINT GLANDS, 12"	EACH	18
663.2312	POLYETHYLENE ENCASEMENT FOR WATER PIPE, 12"	LF	3787
664.40480006	PRECAST SANITARY SEWER MANHOLE (48 INCH DIA.)	LF	100
664.40604808	SPECIAL SANITARY SEWER MANHOLE, TYPE 48	LF	10
664.40606008	PRECAST SANITARY SEWER MANHOLE (60 INCH DIA.)	LF	13
664.840000100C	PUMP STATION	LS	NEC
685.1102	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MIL	LF	7482
685.1202	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MIL	LF	14700
689.1144260C	4-WAY, 4" CONCRETE ENCASED COMMUNICATIONS DUCTBANK	LF	4212
689.1125260C	2-WAY, 5" CONCRETE ENCASED POWER DUCTBANK	LF	3198
689.1145260C	4-WAY, 5" CONCRETE ENCASED POWER DUCTBANK	LF	418
662.1001001000C	GAS UTILITY COMPANY WORK (INCLUDES BOTH OFFSITE GAS MAIN EXTENSION AND ONSITE GAS MAIN INSTALLATION)	LS	NEC

SUBSTATION	SUBSTATION	LS	NIC
697.03	FIELD CHANGE PAYMENT	LS	NEC
698.04	ASPHALT PRICE ADJUSTMENT	LS	NEC
698.05	FUEL PRICE ADJUSTMENT	LS	NEC
699.040001	MOBILIZATION	LS	NEC

TABLE OF QUANTITIES (ADD ON #1)

ITEM	DESCRIPTION	UNIT	PROP. QTY.
201.06	CLEARING AND GRUBBING (ADD ON #1)	LS	NEC
203.02	UNCLASSIFIED EXCAVATION (EARTHWORK OPERATIONS - ADD ON #1)	CY	58320
209.1003	SEED AND MULCH - TEMPORARY (ADD ON #1)	SY	238900
209.13	SILT FENCE - TEMPORARY (ADD ON #1)	LF	6480
209.140101	SEDIMENT TRAP 01 - TEMPORARY (ADD ON #1)	EACH	1
209.140102	SEDIMENT TRAP 02 - TEMPORARY (ADD ON #1)	EACH	1
209.140103	SEDIMENT BASIN 03 - TEMPORARY (ADD ON #1)	EACH	1
209.140104	SEDIMENT BASIN 04 - TEMPORARY (ADD ON #1)	EACH	1
209.140105	SEDIMENT BASIN 05 - TEMPORARY (ADD ON #1)	EACH	1
209.140106	SEDIMENT TRAP 06 - TEMPORARY (ADD ON #1)	EACH	1
209.2301	COMPOST FILTER SOCK, 12 IN (ADD ON #1)	LF	20
607.41010010	TEMPORARY PLASTIC BARRIER FENCE (ADD ON #1)	LF	2550
610.1403	TOPSOIL - LAWNS (ADD ON #1)	CY	27300
610.1602	TURF ESTABLISHMENT - LAWNS (ADD ON #1)	SY	245770

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May 19, 2024 - 9:45am  
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COUNTY OF OSWEGO INDUSTRIAL DEVELOPMENT AGENCY

OSWEGO COUNTY - INDUSTRIAL  
PARK INFRASTRUCTURE  
EXPANSION PROJECT  
112 HARRIS DRIVE  
PHOENIX, NY 13135

MARK	DATE	DESCRIPTION

REVISIONS	
PROJECT NO:	180.272.001
DATE:	MAY 2026
DRAWN BY:	M. MARCHEWKA
DESIGNED BY:	M. MARCHEWKA
CHECKED BY:	K. GRAHAM, P.E.

NO ALTERATION PERMITTED HEREON  
EXCEPT AS PROVIDED UNDER SECTION  
7209 SUBDIVISION 2 OF THE NEW YORK  
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ESTIMATE OF  
QUANTITIES

G-003

SHEET NO. 3 OF 73

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A1 TABLE QUANTITIES  
NOT TO SCALE

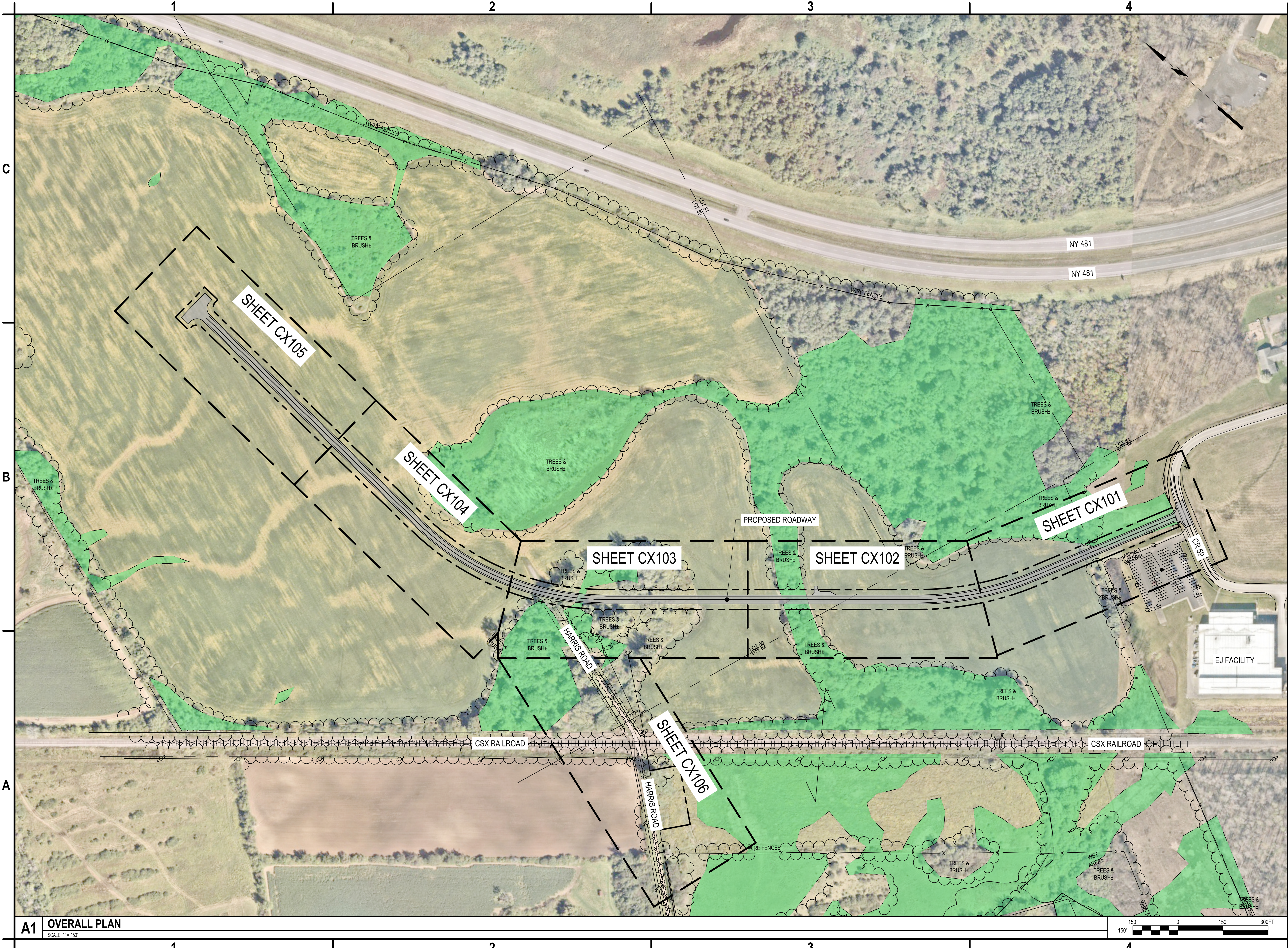
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May 19, 2024 - 9:44am  
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**A1 OVERALL PLAN**  
SCALE: 1" = 150'



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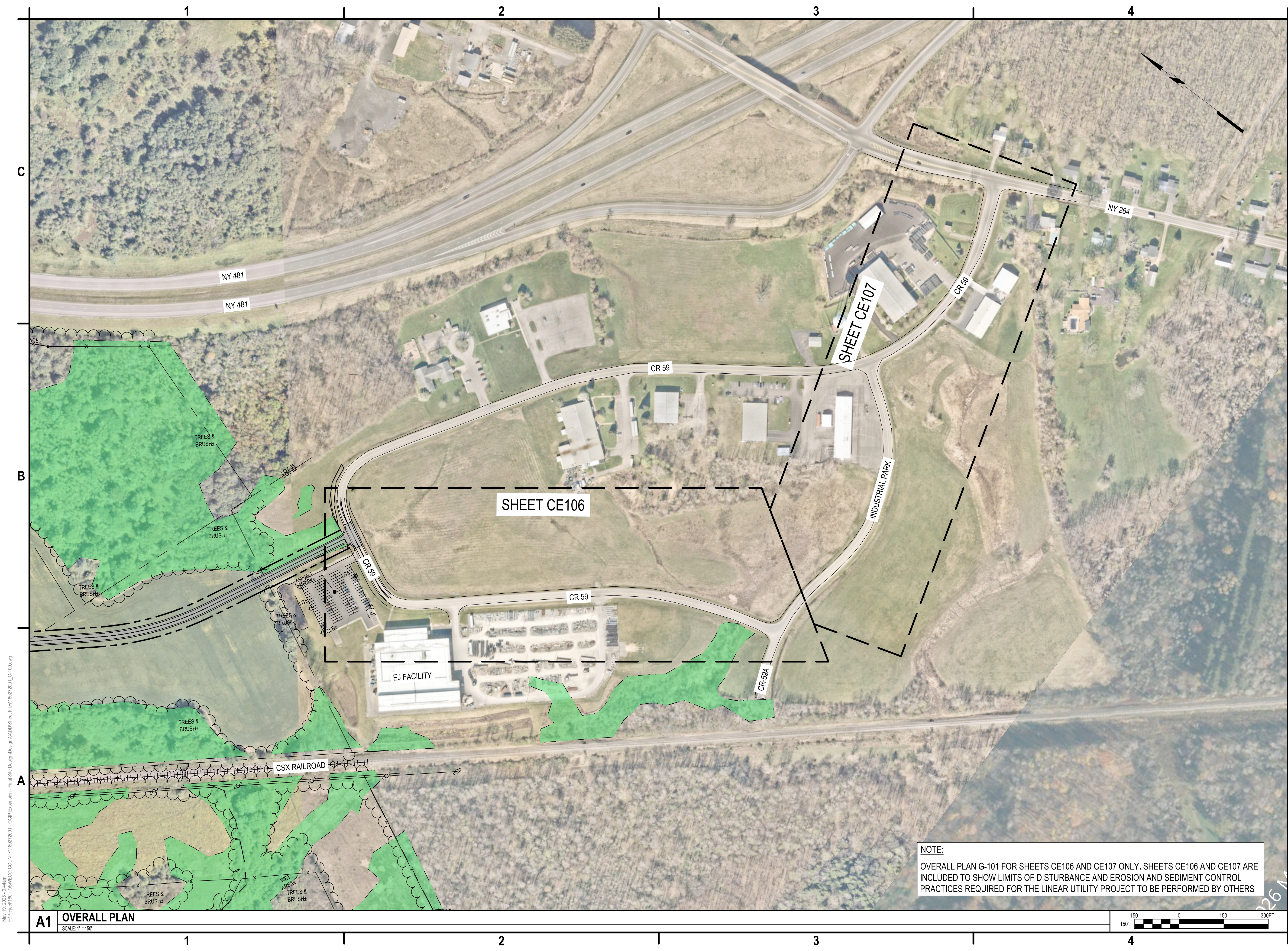
**OSWEGO COUNTY - INDUSTRIAL  
 PARK INFRASTRUCTURE  
 EXPANSION PROJECT  
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 PHOENIX, NY 13135**

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: 180.272.001		
DATE: MAY 2026		
DRAWN BY: M. MARCHEWKA		
DESIGNED BY: M. MARCHEWKA		
CHECKED BY: K. GRAHAM, P.E.		
<small>NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW</small>		

OVERALL PLAN

**G-100**  
 SHEET NO. 4 OF 73

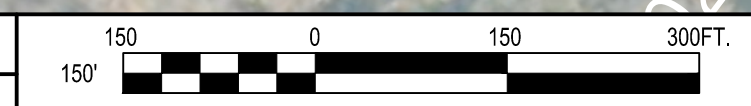
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**A1 OVERALL PLAN**  
SCALE: 1"=150'

**NOTE:**  
 OVERALL PLAN G-101 FOR SHEETS CE106 AND CE107 ONLY. SHEETS CE106 AND CE107 ARE INCLUDED TO SHOW LIMITS OF DISTURBANCE AND EROSION AND SEDIMENT CONTROL PRACTICES REQUIRED FOR THE LINEAR UTILITY PROJECT TO BE PERFORMED BY OTHERS



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OVERALL PLAN

**G-101**

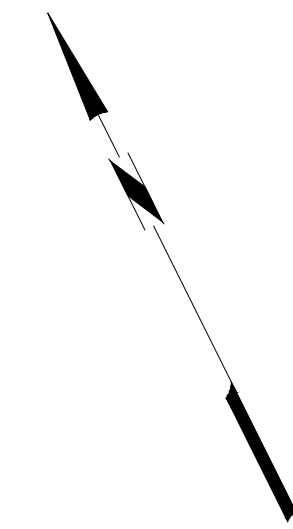
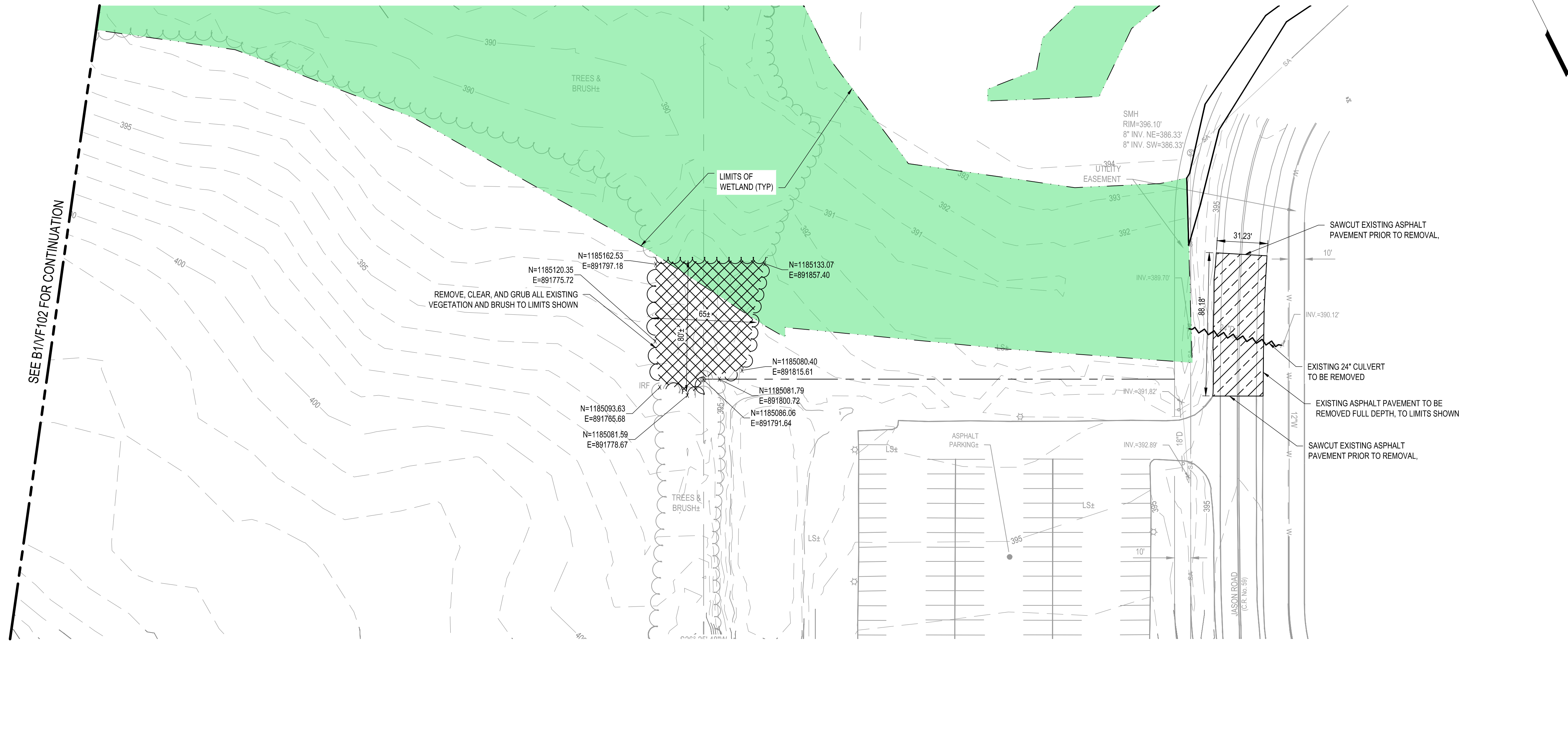
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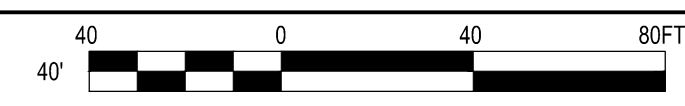


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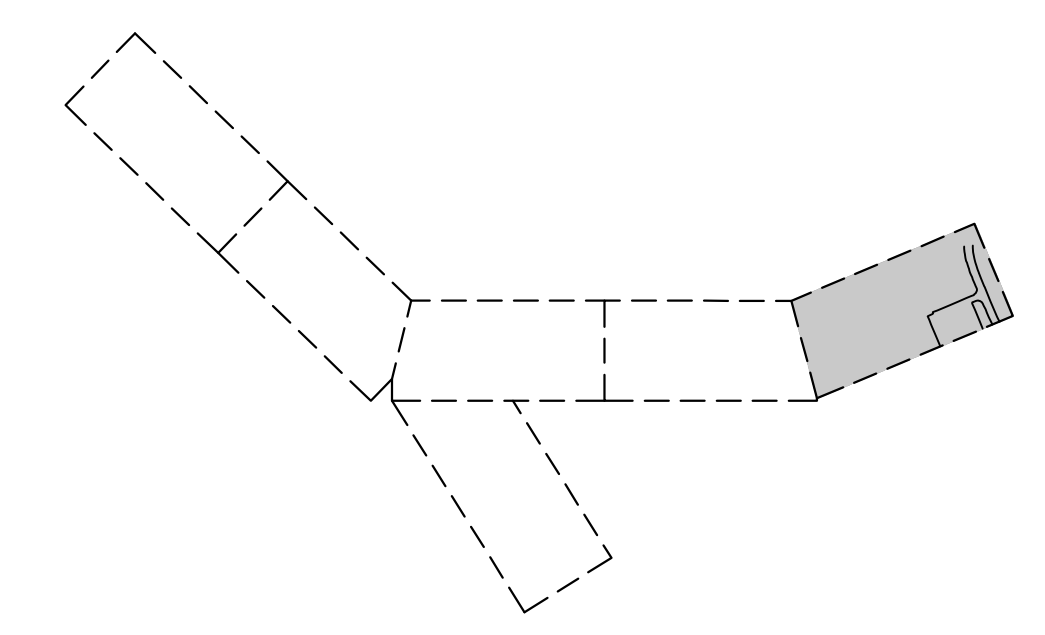
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 PARK INFRASTRUCTURE  
 EXPANSION PROJECT  
 112 HARRIS DRIVE  
 PHOENIX, NY 13135**

**B1** EXISTING CONDITIONS AND DEMOLITION PLAN  
 SCALE: 1" = 40'



- SAWCUT SHALL BE PERPENDICULAR TO PAVEMENT SURFACE AND STRAIGHT. ALL SAWCUT PAVEMENT SURFACES SHALL BE TACK COATED PRIOR TO FINAL PAVING. PAYMENT FOR SAWCUTTING SHALL BE UNDER ITEM 627.50140008
- CLEARING AND GRUBBING OF TREES SHALL BE COVERED UNDER ITEM 201.06
- TRENCH AND CULVERT EXCAVATION SHALL BE COVERED UNDER ITEM 206.0201
- ALL TOPSOIL SHALL BE STOCKPILED, SALVAGED AND RE-PURPOSED FOR FINAL RESTORATION OF DISTURBED AREAS OUTSIDE OF THE PAVEMENT AREAS.
- CONTRACTOR TO STRIP, EXCAVATE, SALVAGE AND STOCKPILE ALL SUITABLE FILL MATERIAL FOR REUSE TO INFILL AREAS SHOWN ON SITE PLANS CS101-CS105 AND GRADING PLANS CG101-CG105.
- PRIOR TO DEMOLITION WORK, ALL EROSION CONTROL MEASURES SHALL BE INSTALLED, SEE EROSION AND SEDIMENT CONTROL PLANS CE101-CE105.
- ALL ASPHALT REMOVAL AND DISPOSAL SHALL BE COVERED UNDER ITEM 203.02.

- PROPOSED TREE CLEARING
- ASPHALT PAVEMENT REMOVAL (FULL DEPTH)
- STORM PIPE REMOVAL



**A1** SHEET NOTES  
 SCALE: NOT TO SCALE

**A3** LEGEND  
 SCALE: NOT TO SCALE

**A4** KEY MAP  
 SCALE: NOT TO SCALE

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**EXISTING  
 CONDITIONS AND  
 DEMOLITION PLAN**

**VF101**

SHEET NO. 6 OF 73

May 19, 2026 - 9:46am  
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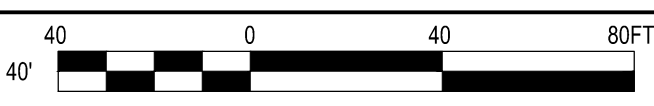
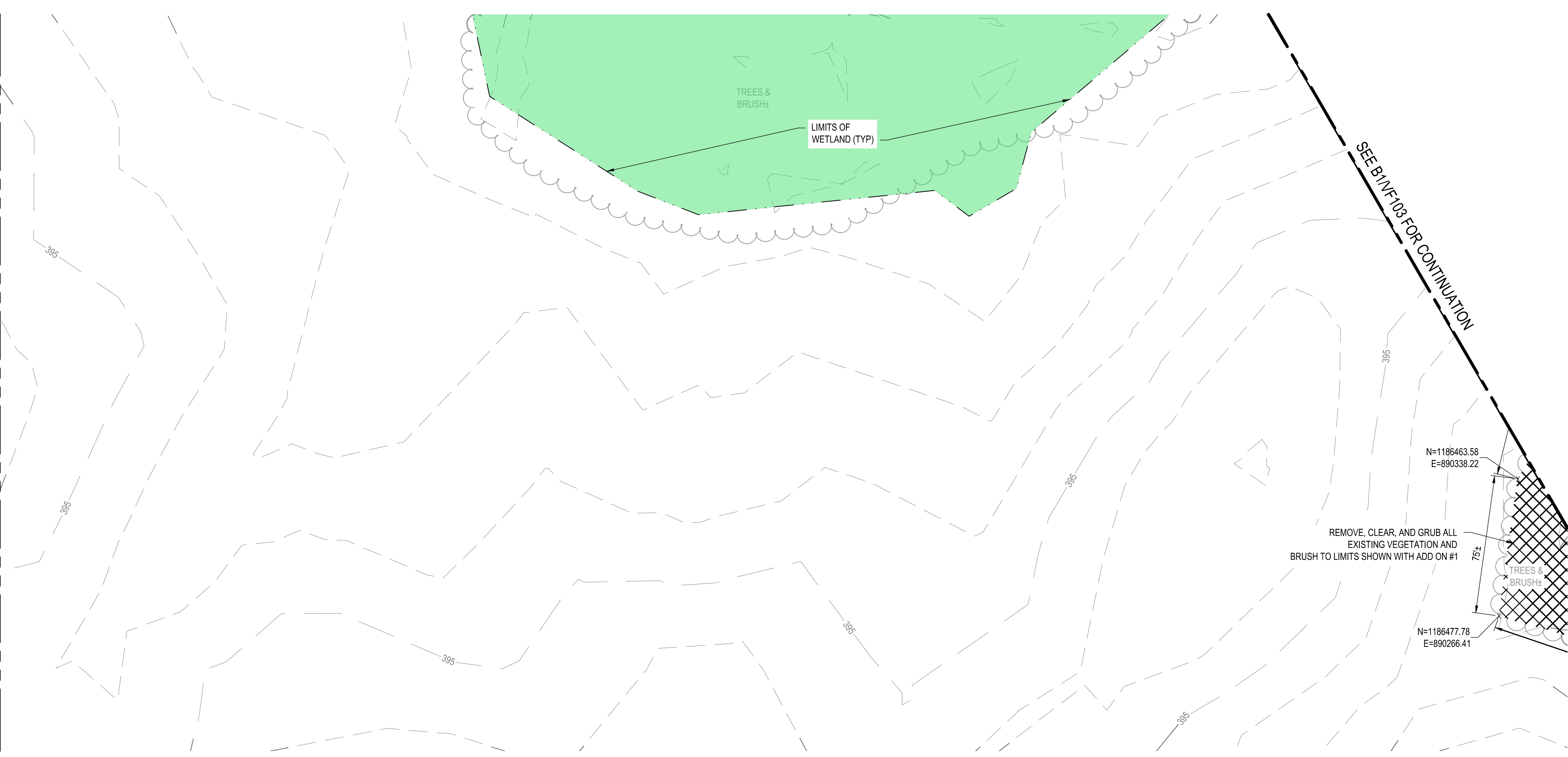


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SEE B1/VF105 FOR CONTINUATION



**B1** EXISTING CONDITIONS AND DEMOLITION PLAN  
SCALE: 1" = 40'

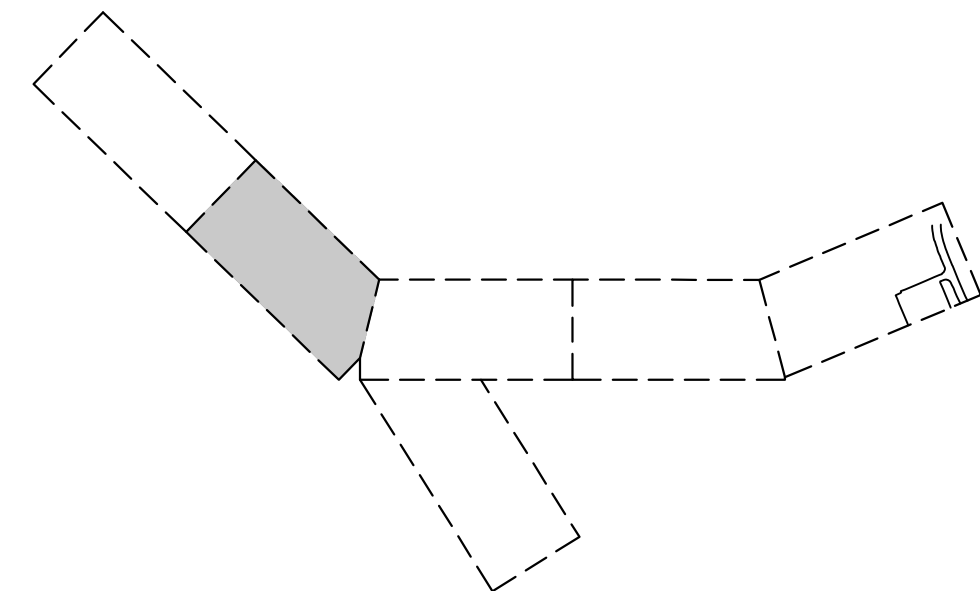
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1. ALL TOPSOIL SHALL BE STOCKPILED, SALVAGED AND RE-PURPOSED FOR FINAL RESTORATION OF DISTURBED AREAS OUTSIDE OF THE PAVEMENT AREAS.
2. CONTRACTOR TO STRIP, EXCAVATE, SALVAGE AND STOCKPILE ALL SUITABLE FILL MATERIAL FOR REUSE TO INFILL AREAS SHOWN ON SITE PLANS CS101-CS105 AND GRADING PLANS CG101-CG105.
3. PRIOR TO DEMOLITION WORK, ALL EROSION CONTROL MEASURES SHALL BE INSTALLED, SEE EROSION AND SEDIMENT CONTROL PLANS CE101-CE105.

**A1** SHEET NOTES  
SCALE: NOT TO SCALE

**A3** LEGEND  
SCALE: NOT TO SCALE

**A4** KEY MAP  
SCALE: NOT TO SCALE



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PHOENIX, NY 13135**

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**EXISTING  
CONDITIONS AND  
DEMOLITION PLAN**

**VF104**

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May 19, 2026 - 9:41 am  
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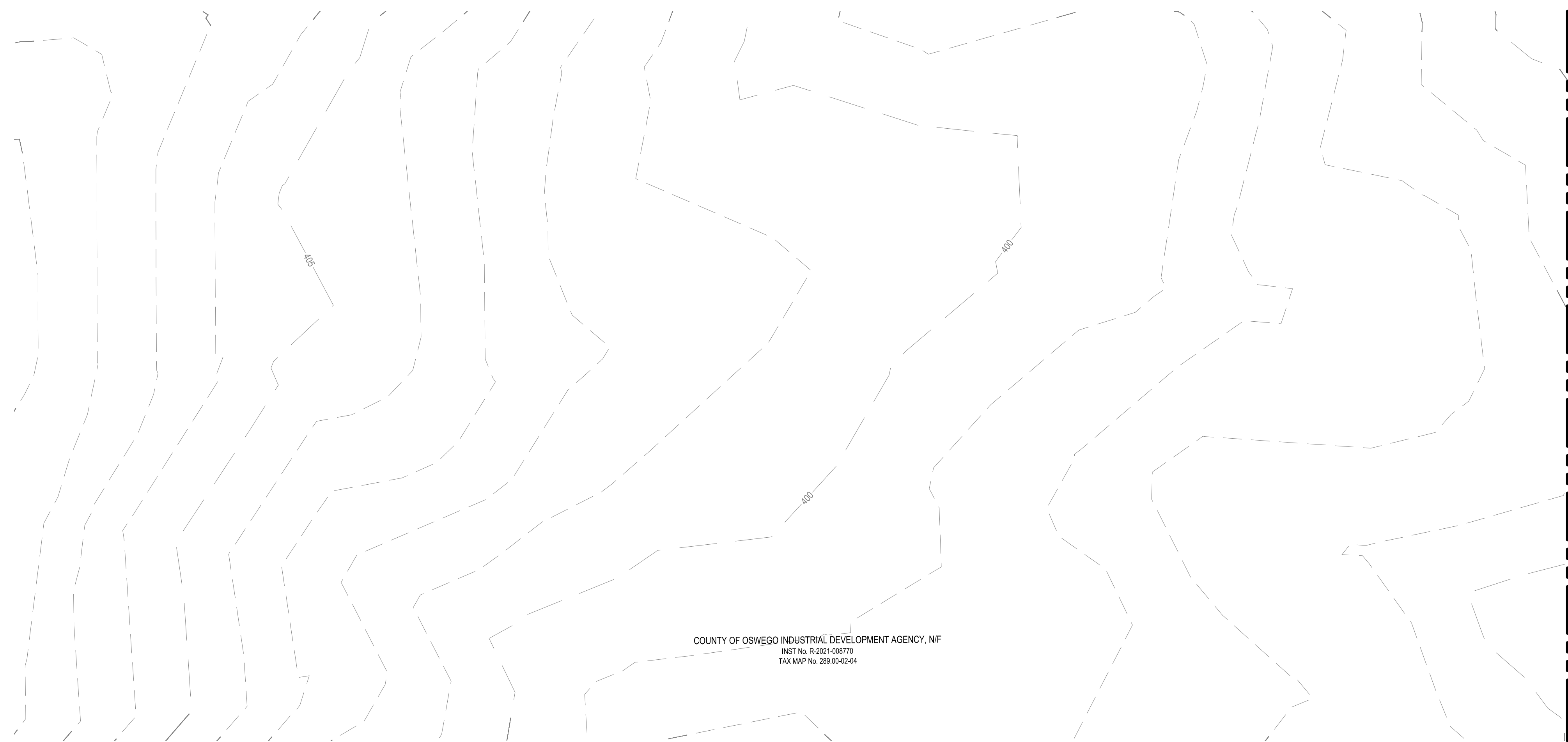
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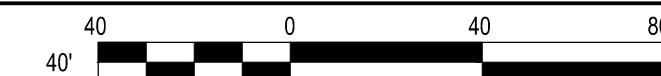
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**OSWEGO COUNTY - INDUSTRIAL  
 PARK INFRASTRUCTURE  
 EXPANSION PROJECT  
 112 HARRIS DRIVE  
 PHOENIX, NY 13135**

**B1 EXISTING CONDITIONS AND DEMOLITION PLAN**

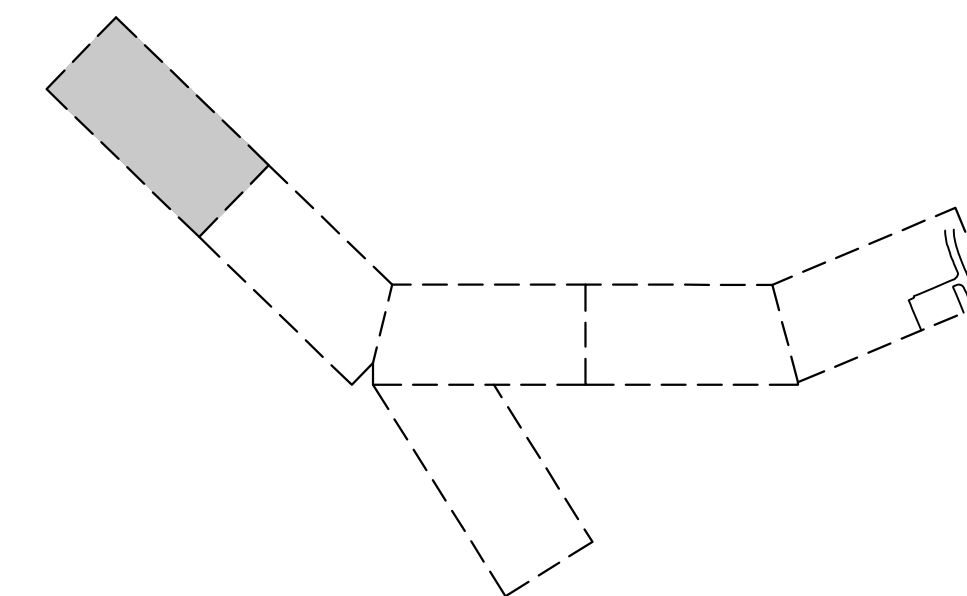
SCALE: 1" = 40'



1. ALL TOPSOIL SHALL BE STOCKPILED, SALVAGED AND RE-PURPOSED FOR FINAL RESTORATION OF DISTURBED AREAS OUTSIDE OF THE PAVEMENT AREAS.
2. CONTRACTOR TO STRIP, EXCAVATE, SALVAGE AND STOCKPILE ALL SUITABLE FILL MATERIAL FOR REUSE TO INFILL AREAS SHOWN ON SITE PLANS CS101-CS105 AND GRADING PLANS CG101-CG105.
3. PRIOR TO DEMOLITION WORK, ALL EROSION CONTROL MEASURES SHALL BE INSTALLED, SEE EROSION AND SEDIMENT CONTROL PLANS CE101-CE105.

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**A1 SHEET NOTES**

SCALE: NOT TO SCALE

**A3 LEGEND**

SCALE: NOT TO SCALE

**A4 KEY MAP**

SCALE: NOT TO SCALE

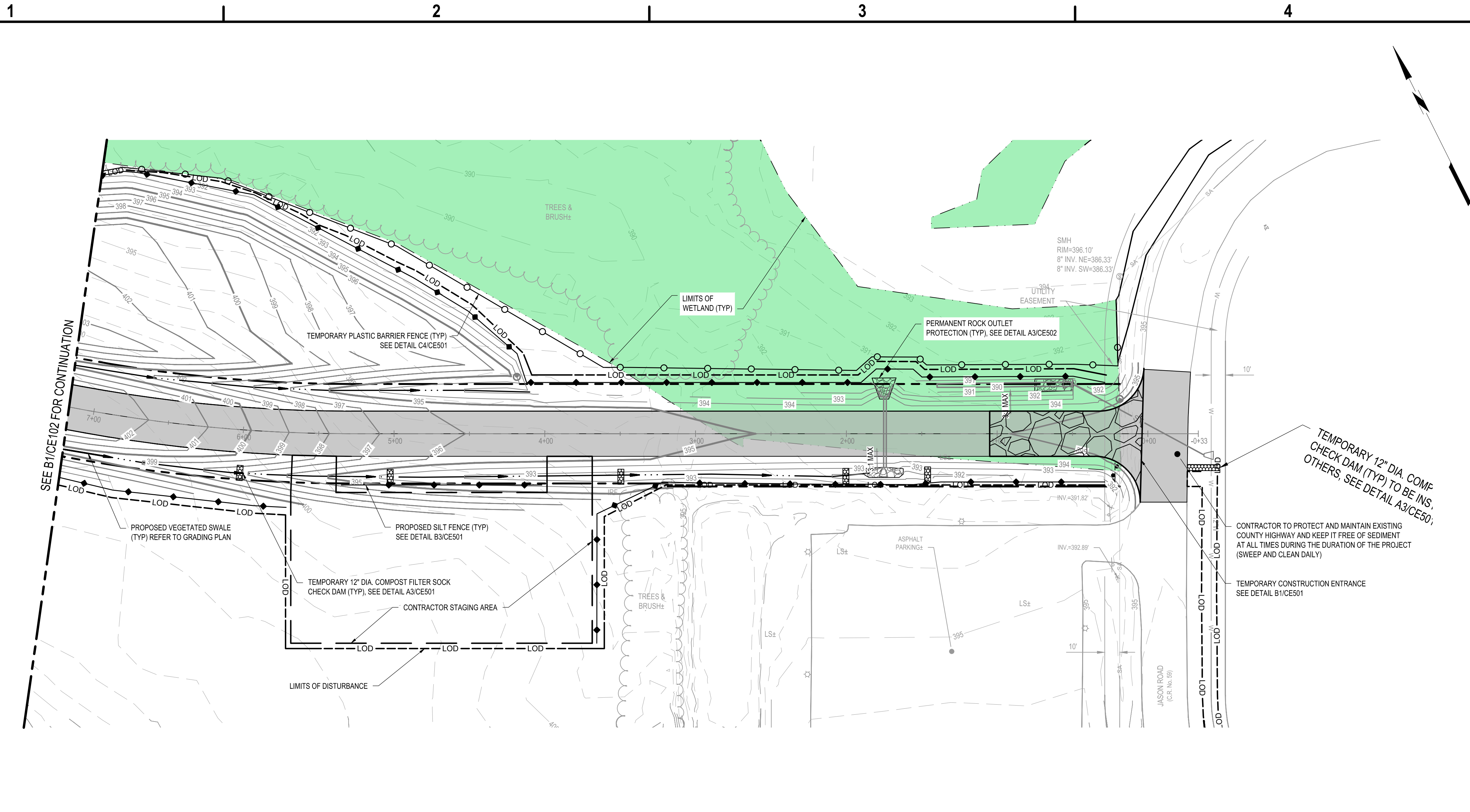
**EXISTING  
 CONDITIONS AND  
 DEMOLITION PLAN**

**VF105**

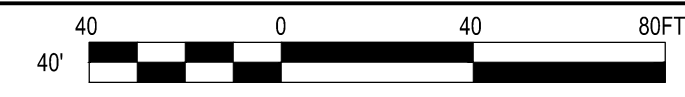
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**B1** EROSION & SEDIMENT CONTROL PLAN  
SCALE: 1" = 40'

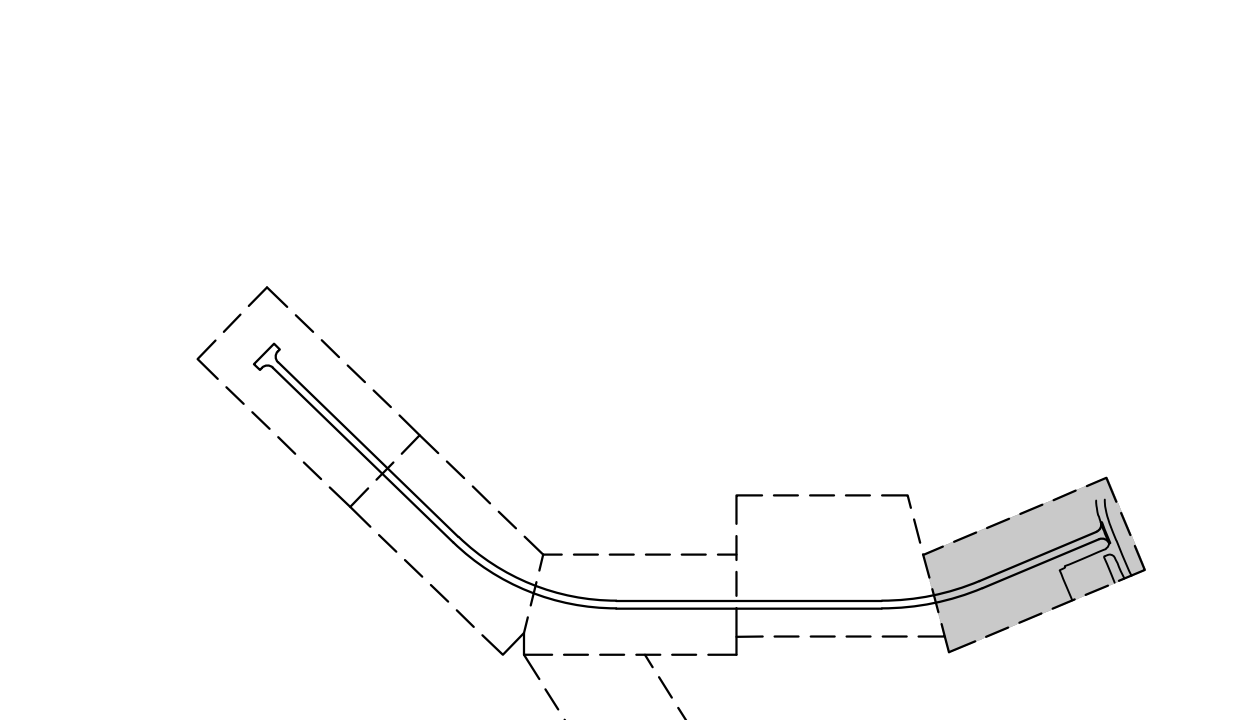
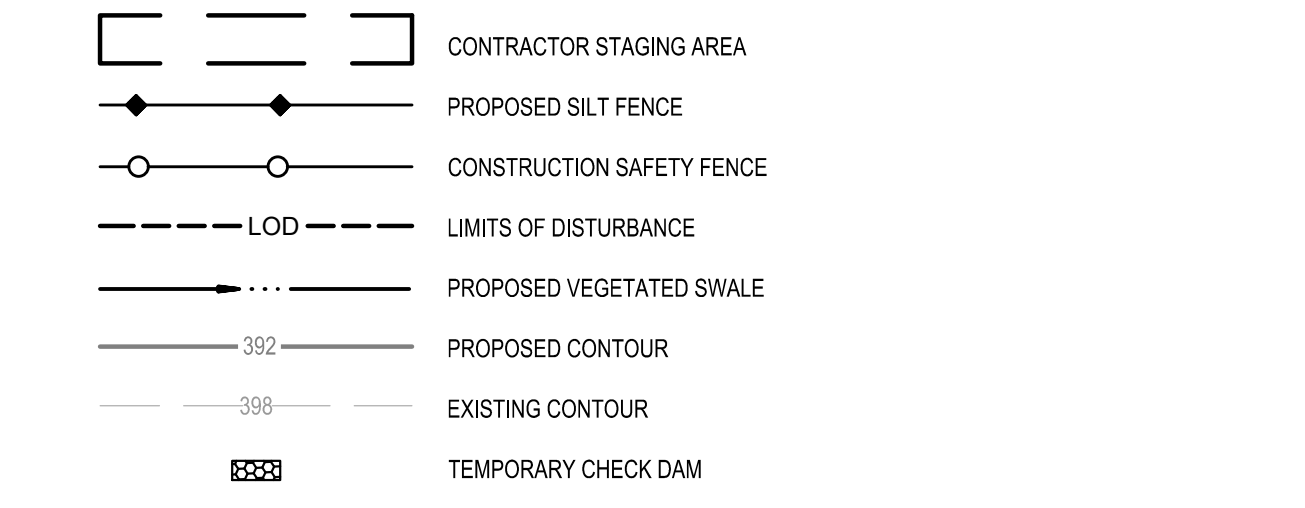


- GENERAL NOTES:**
- SEED AND MULCHING SHALL BE COVERED UNDER ITEM 209.1003
- CONSTRUCTION SEQUENCE:**
- INSTALL STABILIZED CONSTRUCTION ENTRANCE FOR THE PROJECT AS SHOWN ON THE PLANS. LIMIT ALL VEHICULAR TRAFFIC TO THIS ENTRANCE ONLY.
  - CLEAR TREES AND BRUSH (NO GRUBBING AND STUMP REMOVAL) TO LIMITS SHOWN ON THE PLANS.
  - INSTALL TEMPORARY BARRIER FENCE AROUND WETLANDS AS SHOWN ON THE PLANS.
  - INSTALL SILT FENCE ALONG OUTSIDE PERIMETER OF THE PROJECT SITE AND ALL OTHER AREAS AS SHOWN ON THE PLANS. ADDITIONAL SILT FENCE MAY BE INSTALLED AS NECESSARY.
  - SET UP THE CONTRACTOR STAGING AREA AT LOCATION SHOWN ON THE PLANS. ESTABLISH LOCATION FOR SOIL STOCKPILE AND FILL AREA AND PROVIDE SILT FENCE AROUND PERIMETER (SEE DETAIL C2/CE501). IF THESE AREAS ARE NOT CONDUCTIVE DUE TO ANY UNFORESEEN CONDITIONS, IDENTIFY NEW LOCATION UNDER DIRECTION OF ENGINEER.
  - FINISH REMAINING CLEARING AND GRUBBING AND BEGIN GRADING OF THE PROJECT SITE. UPON COMPLETION OF ROUGH GRADING.
  - INSTALL THE SANITARY SEWER, STORM SEWER, WATER MAIN, AND ANY OTHER PROPOSED UTILITY IMPROVEMENTS FOR THE PROJECT AS SHOWN ON THE PLANS.
  - INSTALL PERMANENT ROCK OUTLET PROTECTION AS SHOWN ON THE PLANS.
  - COMPLETE FINAL GRADING OF THE PROJECT SITE, INCLUDING INSTALLATION OF SITE ROADWAY MATERIALS.
  - TEMPORARILY SEED AND MULCH INACTIVE ROUGH GRADED AREAS TO ESTABLISH VEGETATION AND PREVENT EROSION IN ACCORDANCE WITH THE SWPPP.
  - COMPLETE ROADWAY IMPROVEMENTS INCLUDING SUB-GRADE PREPARATION, SUB-BASE COURSE, BASE COURSE ASPHALT, BINDER COURSE ASPHALT AND TOP COURSE ASPHALT.
  - UPON COMPLETION OF ROADWAY IMPROVEMENTS, IMMEDIATELY SPREAD TOPSOIL OVER ALL GRASS AND PERVIOUS SURFACES, FINE GRADE SWALES AND EMBANKMENTS, SEED AND MULCH ALL REMAINING DISTURBED AREAS TO ESTABLISH VEGETATION AND PREVENT EROSION.
  - ALL EROSION AND SEDIMENT CONTROL FEATURES, TO REMAIN IN PLACE UNTIL ESTABLISHMENT OF SUBSTANTIAL VEGETATIVE COVER (85%). REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROLS. SEED AND MULCH THE REMAINING DISTURBED AREAS (RESULTING FROM TEMPORARY EROSION CONTROL MEASURE REMOVAL).
  - UPON FINAL ACCEPTANCE BY THE COUNTY OF OSWEGO AND CERTIFICATION BY THE QUALIFIED PROFESSIONAL RETAINED TO PERFORM THE REQUIRED SITE INSPECTIONS, THE OWNER SHALL FILE ELECTRONICALLY THE NOTICE OF TERMINATION (eNOT) WITH THE NYSDEC.

**EROSION & SEDIMENT CONTROL SPECIFICATIONS:**

ONE WEEK PRIOR TO BEGINNING EARTHWORK OPERATIONS, A PRE-CONSTRUCTION MEETING WILL BE HELD TO DISCUSS THE EROSION AND SEDIMENT CONTROL PLAN AND TO FINALIZE THE PAPERWORK FOR THE STORMWATER POLLUTION PREVENTION PLAN AS SPECIFIED IN THE NYSDEC STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES) GENERAL PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES (GP-0-25-001)

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROVIDED PRIOR TO BEGINNING ANY LAND DISTURBANCE ACTIVITIES. THE DEVICES PROVIDING PROTECTION TO A GIVEN AREA SHALL NOT BE REMOVED UNTIL THE LANDS IN THAT AREA ARE STABILIZED.



**A1** SHEET NOTES  
SCALE: NOT TO SCALE

**A3** LEGEND  
SCALE: NOT TO SCALE

**A4** KEY MAP  
SCALE: NOT TO SCALE



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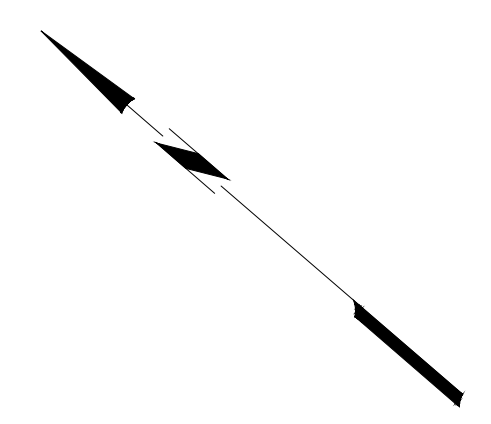
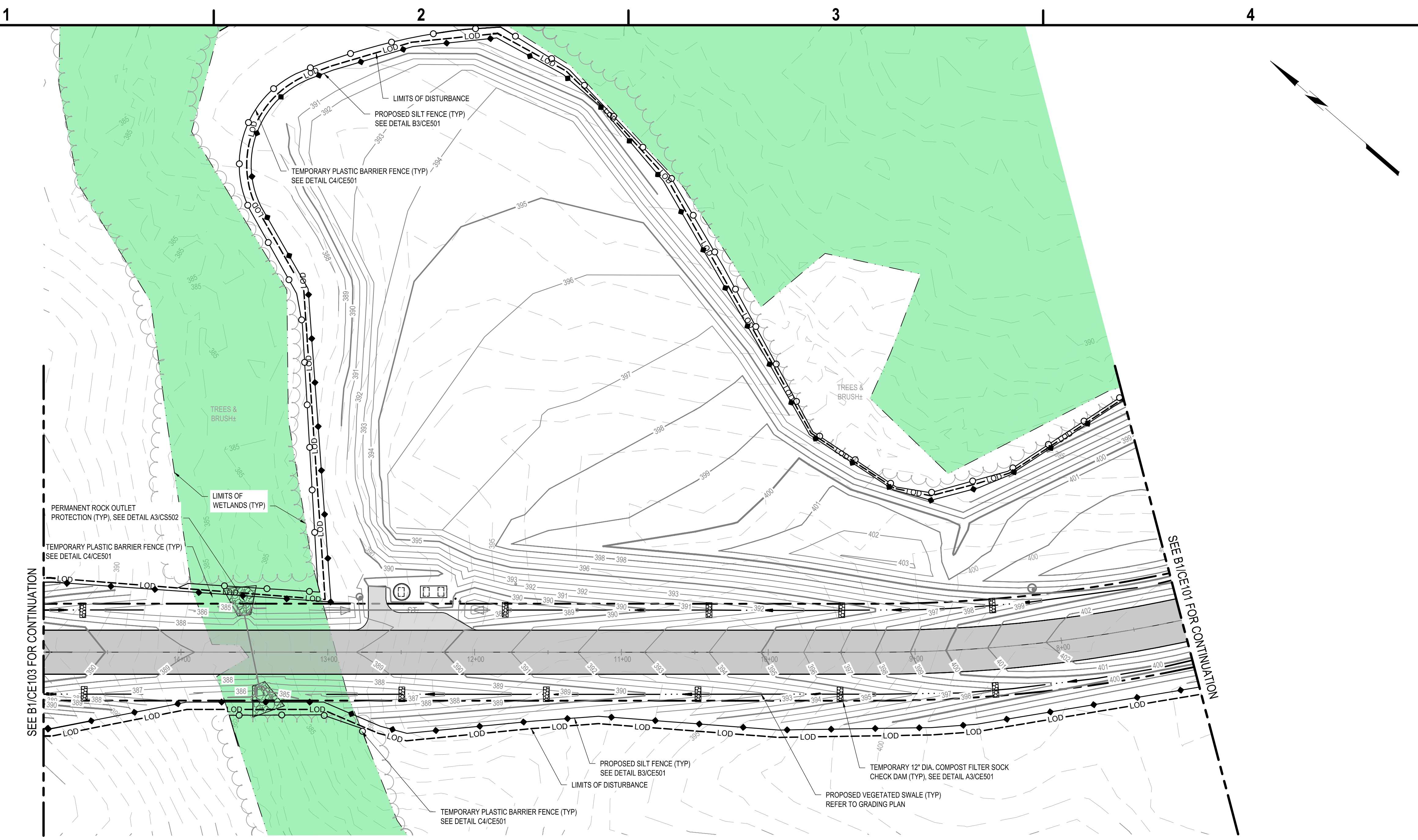
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**EROSION &  
SEDIMENT CONTROL  
PLAN**

**CE101**

SHEET NO. 11 OF 73



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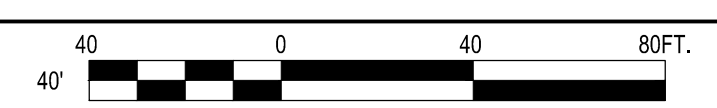


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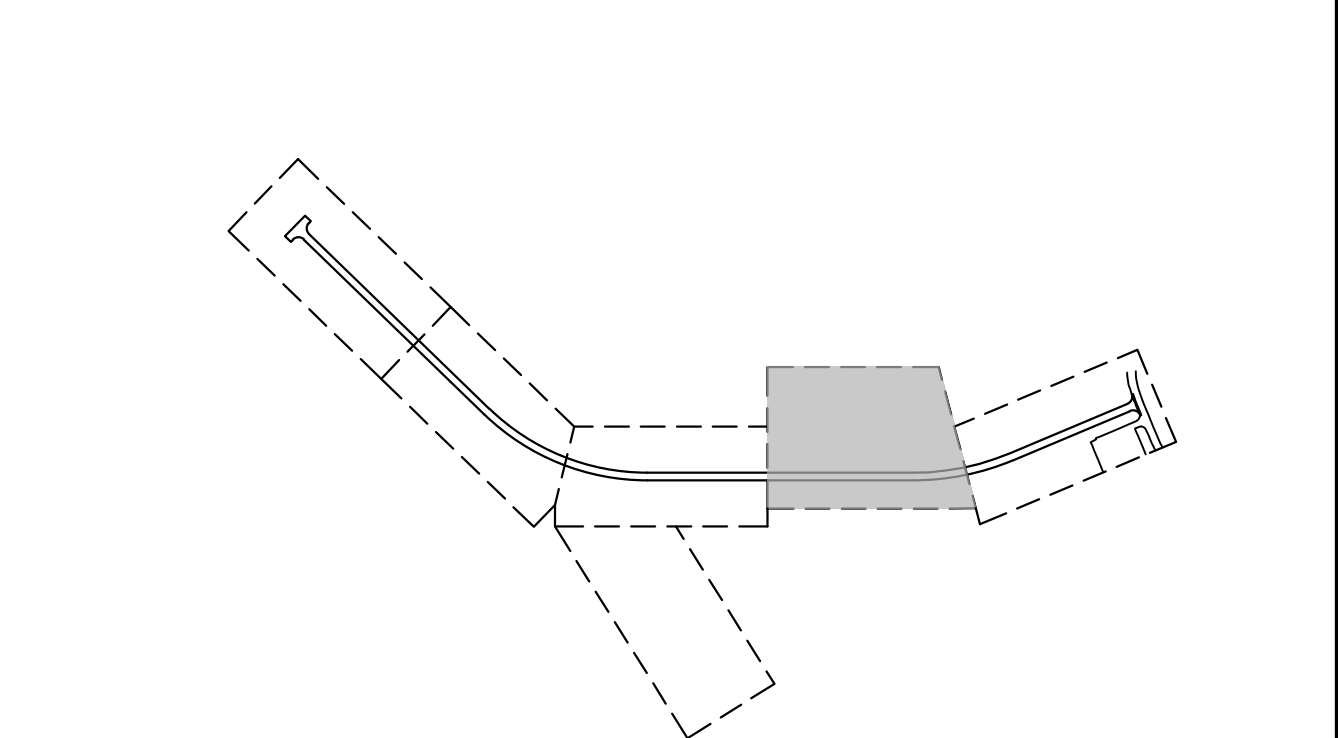
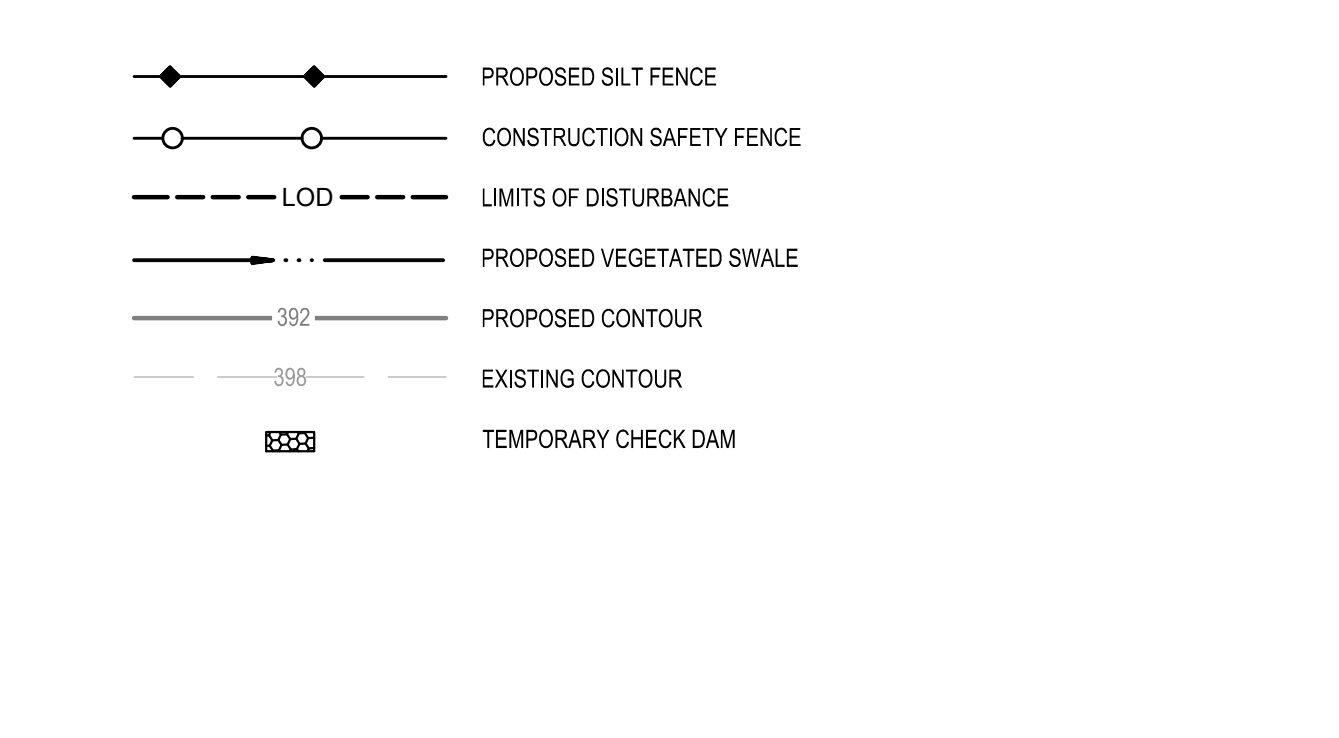
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 PARK INFRASTRUCTURE  
 EXPANSION PROJECT  
 112 HARRIS DRIVE  
 PHOENIX, NY 13135**

**B1 EROSION & SEDIMENT CONTROL PLAN**  
 SCALE: #####



- GENERAL NOTES:**
- SEED AND MULCHING SHALL BE COVERED UNDER ITEM 209.1003
- CONSTRUCTION SEQUENCE:**
- INSTALL STABILIZED CONSTRUCTION ENTRANCE FOR THE PROJECT AS SHOWN ON THE PLANS. LIMIT ALL VEHICULAR TRAFFIC TO THIS ENTRANCE ONLY.
  - CLEAR TREES AND BRUSH (NO GRUBBING AND STUMP REMOVAL) TO LIMITS SHOWN ON THE PLANS.
  - INSTALL TEMPORARY BARRIER FENCE AROUND WETLANDS AS SHOWN ON THE PLANS.
  - INSTALL SILT FENCE ALONG OUTSIDE PERIMETER OF THE PROJECT SITE AND ALL OTHER AREAS AS SHOWN ON THE PLANS. ADDITIONAL SILT FENCE MAY BE INSTALLED AS NECESSARY.
  - SET UP THE CONTRACTOR STAGING AREA AT LOCATION SHOWN ON THE PLANS. ESTABLISH LOCATION FOR SOIL STOCKPILE AND FILL AREA AND PROVIDE SILT FENCE AROUND PERIMETER (SEE DETAIL C2/CE501). IF THESE AREAS ARE NOT CONDUCTIVE DUE TO ANY UNFORESEEN CONDITIONS, IDENTIFY NEW LOCATION UNDER DIRECTION OF ENGINEER.
  - FINISH REMAINING CLEARING AND GRUBBING AND BEGIN GRADING OF THE PROJECT SITE. UPON COMPLETION OF ROUGH GRADING.
  - INSTALL THE SANITARY SEWER, STORM SEWER, WATER MAIN, AND ANY OTHER PROPOSED UTILITY IMPROVEMENTS FOR THE PROJECT AS SHOWN ON THE PLANS.
  - INSTALL PERMANENT ROCK OUTLET PROTECTION AS SHOWN ON THE PLANS.
  - COMPLETE FINAL GRADING OF THE PROJECT SITE, INCLUDING INSTALLATION OF SITE ROADWAY MATERIALS.

- TEMPORARILY SEED AND MULCH INACTIVE ROUGH GRADED AREAS TO ESTABLISH VEGETATION AND PREVENT EROSION IN ACCORDANCE WITH THE SWPPP.
  - COMPLETE ROADWAY IMPROVEMENTS INCLUDING SUB-GRADE PREPARATION, SUB-BASE COURSE, BASE COURSE ASPHALT, BINDER COURSE ASPHALT AND TOP COURSE ASPHALT.
  - UPON COMPLETION OF ROADWAY IMPROVEMENTS, IMMEDIATELY SPREAD TOPSOIL OVER ALL GRASS AND PERVIOUS SURFACES, FINE GRADE SWALES AND EMBANKMENTS, SEED AND MULCH ALL REMAINING DISTURBED AREAS TO ESTABLISH VEGETATION AND PREVENT EROSION.
  - ALL EROSION AND SEIMENT CONTROL FEATURES, TO REMAIN IN PLACE UNTIL ESTABLISHMENT OF SUBSTANTIAL VEGETATIVE COVER (85%). REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROLS, SEED AND MULCH THE REMAINING DISTURBED AREAS (RESULTING FROM TEMPORARY EROSION CONTROL MEASURE REMOVAL).
  - UPON FINAL ACCEPTANCE BY THE COUNTY OF OSWEGO AND CERTIFICATION BY THE QUALIFIED PROFESSIONAL RETAINED TO PERFORM THE REQUIRED SITE INSPECTIONS, THE OWNER SHALL FILE ELECTRONICALLY THE NOTICE OF TERMINATION (aNOT) WITH THE NYSDEC.
- EROSION & SEDIMENT CONTROL SPECIFICATIONS:**
- ONE WEEK PRIOR TO BEGINNING EARTHWORK OPERATIONS, A PRE-CONSTRUCTION MEETING WILL BE HELD TO DISCUSS THE EROSION AND SEDIMENT CONTROL PLAN AND TO FINALIZE THE PAPERWORK FOR THE STORMWATER POLLUTION PREVENTION PLAN AS SPECIFIED IN THE NYSDEC STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES) GENERAL PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES (GP-0-25-001)
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROVIDED PRIOR TO BEGINNING ANY LAND DISTURBANCE ACTIVITIES. THE DEVICES PROVIDING PROTECTION TO A GIVEN AREA SHALL NOT BE REMOVED UNTIL THE LANDS IN THAT AREA ARE STABILIZED.



**A1 SHEET NOTES**  
 SCALE: NOT TO SCALE

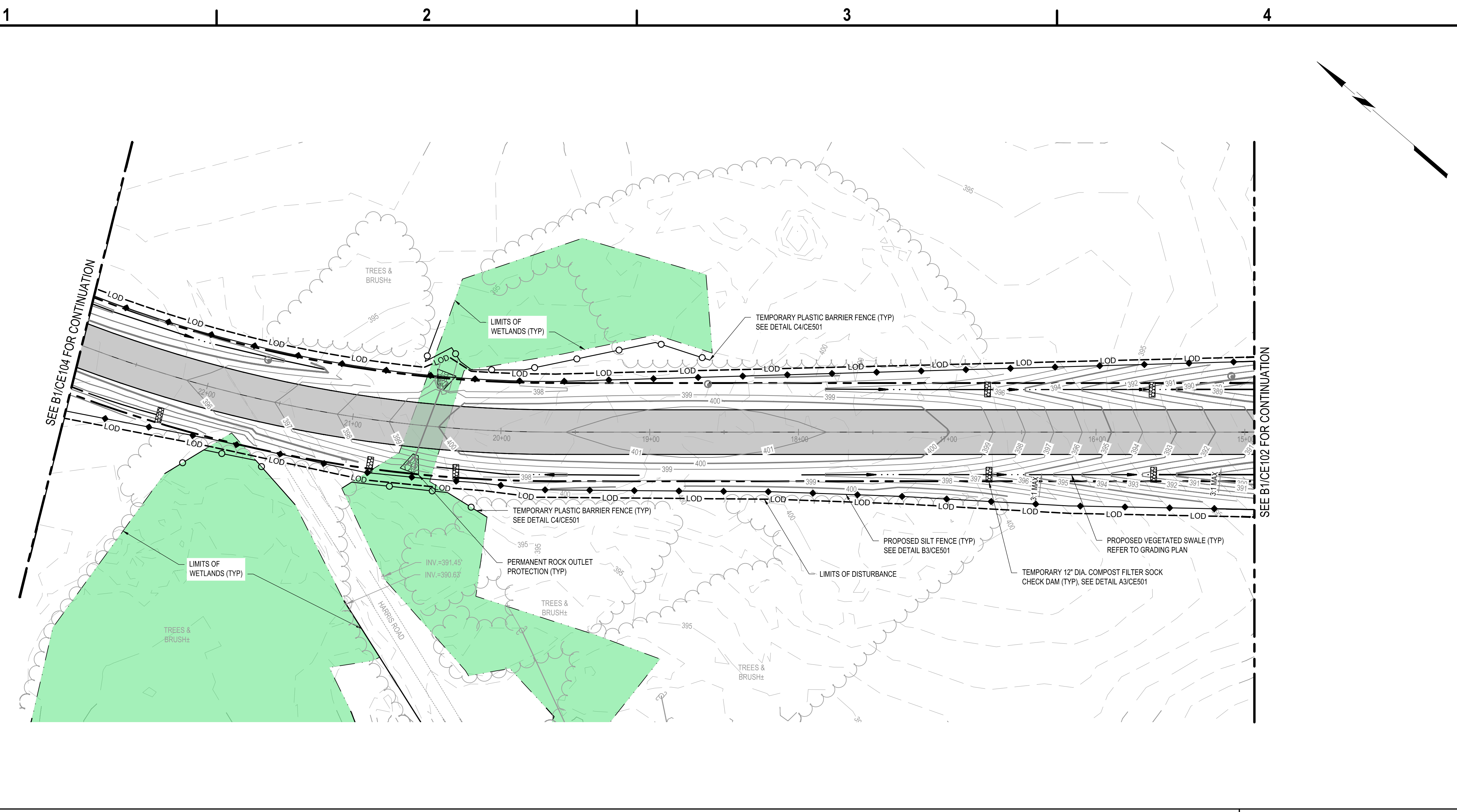
**A3 LEGEND**  
 SCALE: NOT TO SCALE

**A4 KEY MAP**  
 SCALE: NOT TO SCALE

**EROSION &  
 SEDIMENT CONTROL  
 PLAN**

**CE102**  
 SHEET NO. 12 OF 73

May 19, 2024 - 9:42am  
 P:\Project\180 - OSWEGO COUNTY\180272001 - O&P Expansion - Final Site Design\Design\CADD\Sheet Files\180272001\_CE-SERIES.dwg



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 Syracuse, New York 13212  
 Phone: 315-455-2000  
 Fax: 315-455-9667  
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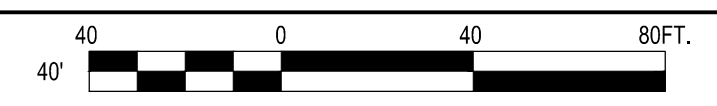


100% BID DOCUMENTS  
 ISSUED FOR CONSTRUCTION

COUNTY OF OSWEGO INDUSTRIAL DEVELOPMENT AGENCY

**OSWEGO COUNTY - INDUSTRIAL  
 PARK INFRASTRUCTURE  
 EXPANSION PROJECT  
 112 HARRIS DRIVE  
 PHOENIX, NY 13135**

**B1 EROSION & SEDIMENT CONTROL PLAN**  
 SCALE: 1" = 40'



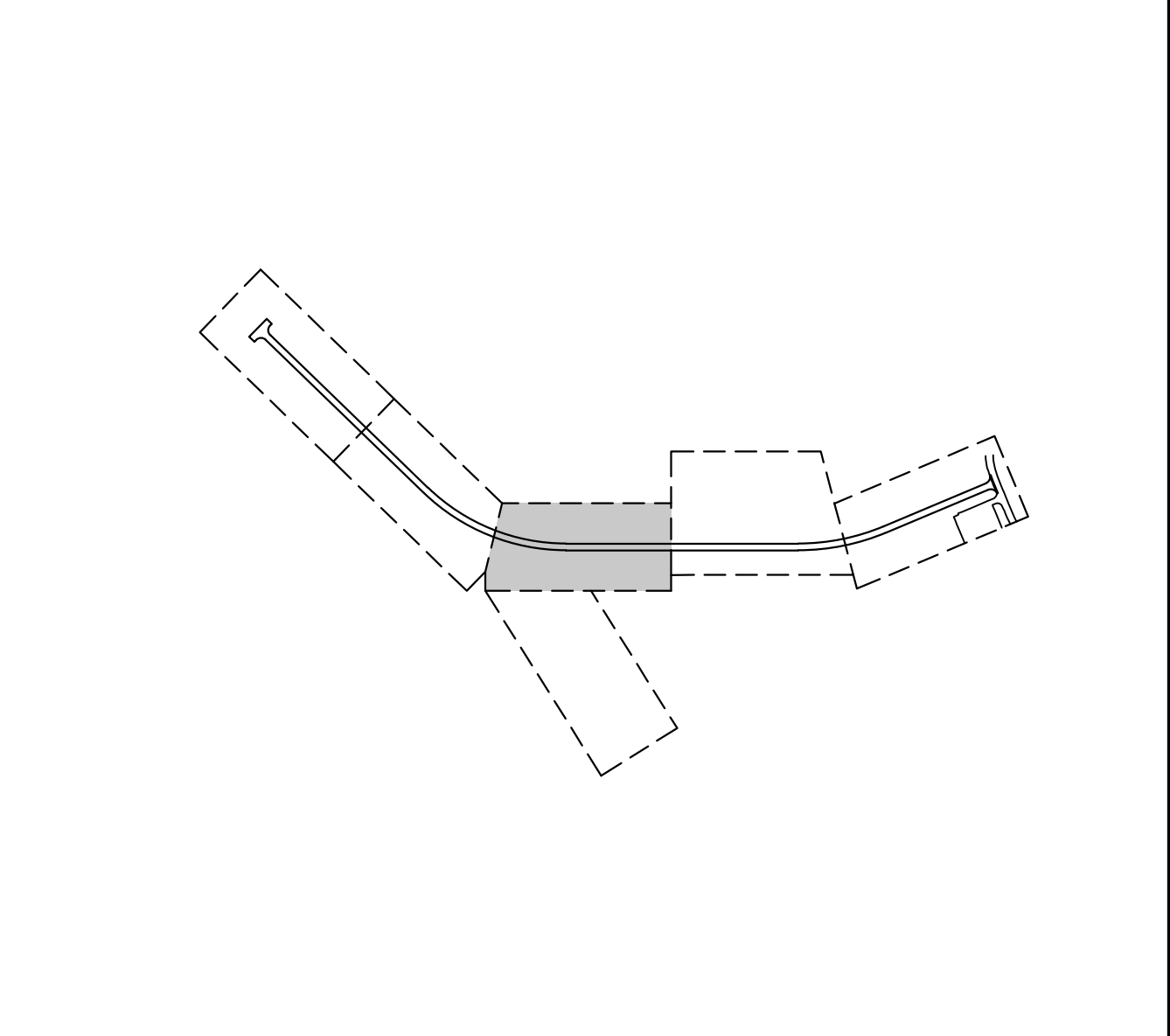
- GENERAL NOTES:**
- SEED AND MULCHING SHALL BE COVERED UNDER ITEM 209.1003
- CONSTRUCTION SEQUENCE:**
- INSTALL STABILIZED CONSTRUCTION ENTRANCE FOR THE PROJECT AS SHOWN ON THE PLANS. LIMIT ALL VEHICULAR TRAFFIC TO THIS ENTRANCE ONLY.
  - CLEAR TREES AND BRUSH (NO GRUBBING AND STUMP REMOVAL) TO LIMITS SHOWN ON THE PLANS.
  - INSTALL TEMPORARY BARRIER FENCE AROUND WETLANDS AS SHOWN ON THE PLANS.
  - INSTALL SILT FENCE ALONG OUTSIDE PERIMETER OF THE PROJECT SITE AND ALL OTHER AREAS AS SHOWN ON THE PLANS. ADDITIONAL SILT FENCE MAY BE INSTALLED AS NECESSARY.
  - SET UP THE CONTRACTOR STAGING AREA AT LOCATION SHOWN ON THE PLANS. ESTABLISH LOCATION FOR SOIL STOCKPILE AND FILL AREA AND PROVIDE SILT FENCE AROUND PERIMETER (SEE DETAIL C2/CE501). IF THESE AREAS ARE NOT CONDUCTIVE DUE TO ANY UNFORESEEN CONDITIONS, IDENTIFY NEW LOCATION UNDER DIRECTION OF ENGINEER.
  - FINISH REMAINING CLEARING AND GRUBBING AND BEGIN GRADING OF THE PROJECT SITE. UPON COMPLETION OF ROUGH GRADING.
  - INSTALL THE SANITARY SEWER, STORM SEWER, WATER MAIN, AND ANY OTHER PROPOSED UTILITY IMPROVEMENTS FOR THE PROJECT AS SHOWN ON THE PLANS.
  - INSTALL PERMANENT ROCK OUTLET PROTECTION AS SHOWN ON THE PLANS.
  - COMPLETE FINAL GRADING OF THE PROJECT SITE, INCLUDING INSTALLATION OF SITE ROADWAY MATERIALS.
  - TEMPORARILY SEED AND MULCH INACTIVE ROUGH GRADED AREAS TO ESTABLISH VEGETATION AND PREVENT EROSION IN ACCORDANCE WITH THE SWPPP.
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  - UPON FINAL ACCEPTANCE BY THE COUNTY OF OSWEGO AND CERTIFICATION BY THE QUALIFIED PROFESSIONAL RETAINED TO PERFORM THE REQUIRED SITE INSPECTIONS, THE OWNER SHALL FILE ELECTRONICALLY THE NOTICE OF TERMINATION (eNOT) WITH THE NYSDEC.

**EROSION & SEDIMENT CONTROL SPECIFICATIONS:**

ONE WEEK PRIOR TO BEGINNING EARTHWORK OPERATIONS, A PRE-CONSTRUCTION MEETING WILL BE HELD TO DISCUSS THE EROSION AND SEDIMENT CONTROL PLAN AND TO FINALIZE THE PAPERWORK FOR THE STORMWATER POLLUTION PREVENTION PLAN AS SPECIFIED IN THE NYSDEC STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES) GENERAL PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES (GP-0-25-001)

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROVIDED PRIOR TO BEGINNING ANY LAND DISTURBANCE ACTIVITIES. THE DEVICES PROVIDING PROTECTION TO A GIVEN AREA SHALL NOT BE REMOVED UNTIL THE LANDS IN THAT AREA ARE STABILIZED.

- PROPOSED SILT FENCE
- CONSTRUCTION SAFETY FENCE
- LIMITS OF DISTURBANCE
- PROPOSED VEGETATED SWALE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMPORARY CHECK DAM



**A1 SHEET NOTES**  
 SCALE: NOT TO SCALE

**A3 LEGEND**  
 SCALE: NOT TO SCALE

**A4 KEY MAP**  
 SCALE: NOT TO SCALE

MARK	DATE	DESCRIPTION
REVISIONS		
	PROJECT NO:	180.272.001
	DATE:	MAY 2026
	DRAWN BY:	M. MARCHEWKA
	DESIGNED BY:	M. MARCHEWKA
	CHECKED BY:	K. GRAHAM, P.E.
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

**EROSION &  
 SEDIMENT CONTROL  
 PLAN**

**CE103**

SHEET NO. 13 OF 73

May 19, 2026 - 9:45am  
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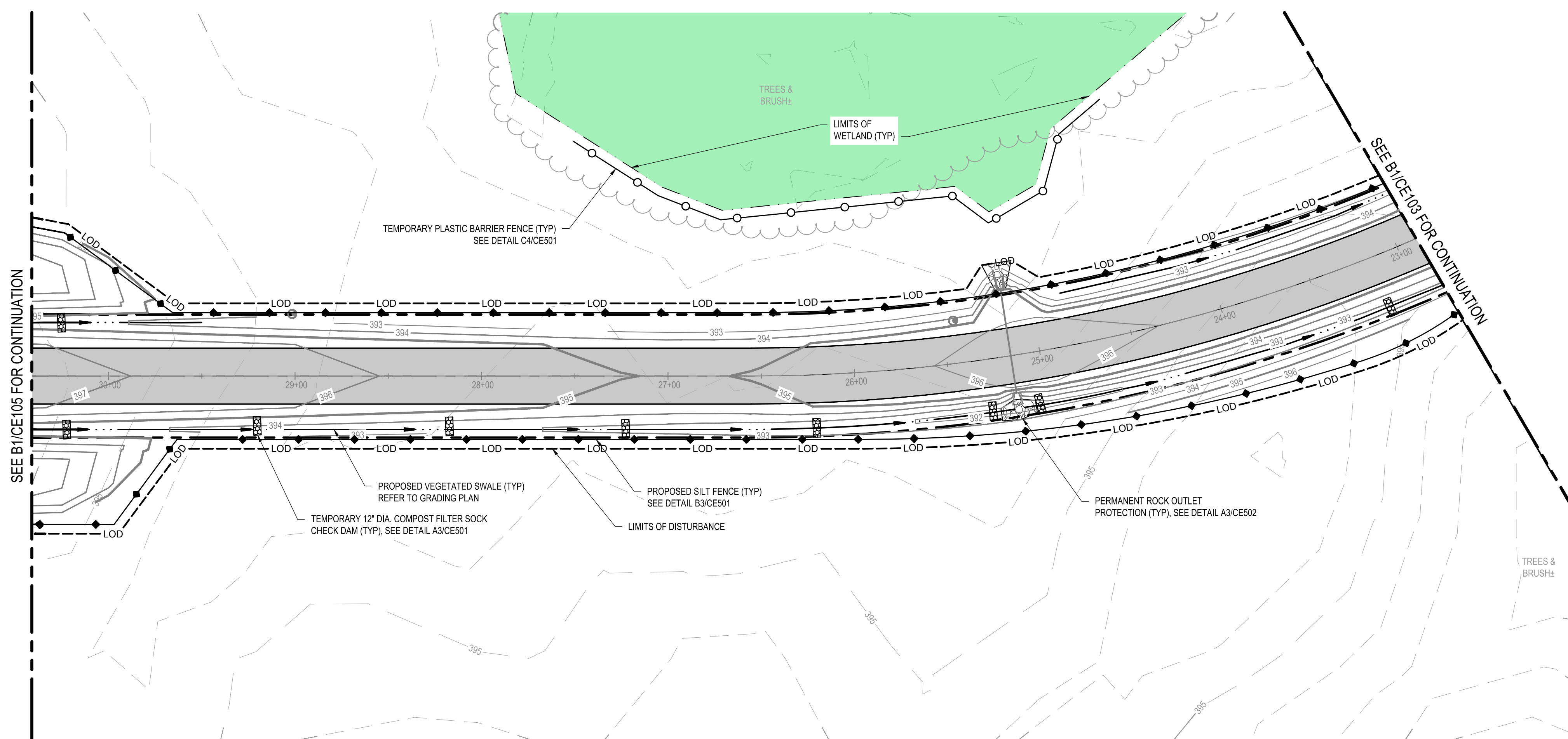
C&S Engineers, Inc.  
 499 Col. Eileen Collins Blvd.  
 Syracuse, New York 13212  
 Phone: 315-455-2000  
 Fax: 315-455-9667  
 www.cscos.com



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COUNTY OF OSWEGO INDUSTRIAL DEVELOPMENT AGENCY

**OSWEGO COUNTY - INDUSTRIAL  
 PARK INFRASTRUCTURE  
 EXPANSION PROJECT  
 112 HARRIS DRIVE  
 PHOENIX, NY 13135**



**B1 EROSION & SEDIMENT CONTROL PLAN**  
 SCALE: 1" = 40'



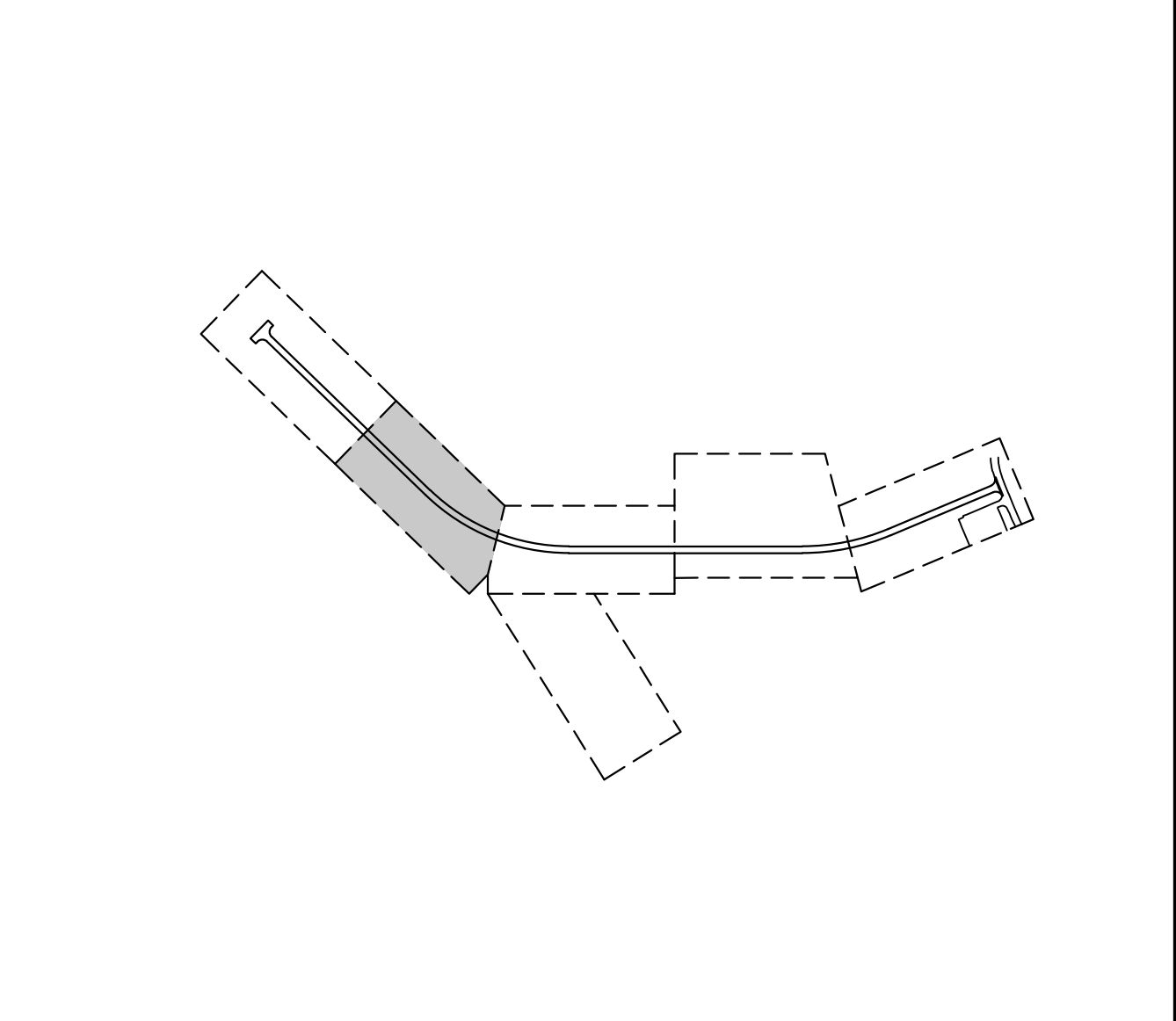
- GENERAL NOTES:**
- SEED AND MULCHING SHALL BE COVERED UNDER ITEM 209.1003
- CONSTRUCTION SEQUENCE:**
- INSTALL STABILIZED CONSTRUCTION ENTRANCE FOR THE PROJECT AS SHOWN ON THE PLANS. LIMIT ALL VEHICULAR TRAFFIC TO THIS ENTRANCE ONLY.
  - CLEAR TREES AND BRUSH (NO GRUBBING AND STUMP REMOVAL) TO LIMITS SHOWN ON THE PLANS.
  - INSTALL TEMPORARY BARRIER FENCE AROUND WETLANDS AS SHOWN ON THE PLANS.
  - INSTALL SILT FENCE ALONG OUTSIDE PERIMETER OF THE PROJECT SITE AND ALL OTHER AREAS AS SHOWN ON THE PLANS. ADDITIONAL SILT FENCE MAY BE INSTALLED AS NECESSARY.
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**EROSION & SEDIMENT CONTROL SPECIFICATIONS:**

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- PROPOSED SILT FENCE
- CONSTRUCTION SAFETY FENCE
- - - LOD LIMITS OF DISTURBANCE
- PROPOSED VEGETATED SWALE
- 392— PROPOSED CONTOUR
- 398— EXISTING CONTOUR
- TEMPORARY CHECK DAM



**A1 SHEET NOTES**  
 SCALE: NOT TO SCALE

**A3 LEGEND**  
 SCALE: NOT TO SCALE

**A4 KEY MAP**  
 SCALE: NOT TO SCALE

MARK	DATE	DESCRIPTION
REVISIONS		
	PROJECT NO:	180.272.001
	DATE:	MAY 2026
	DRAWN BY:	M. MARCHEWKA
	DESIGNED BY:	M. MARCHEWKA
	CHECKED BY:	K. GRAHAM, P.E.
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

**EROSION &  
 SEDIMENT CONTROL  
 PLAN**

**CE104**  
 SHEET NO. 14 OF 73

May 19, 2026 - 9:44 am  
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3

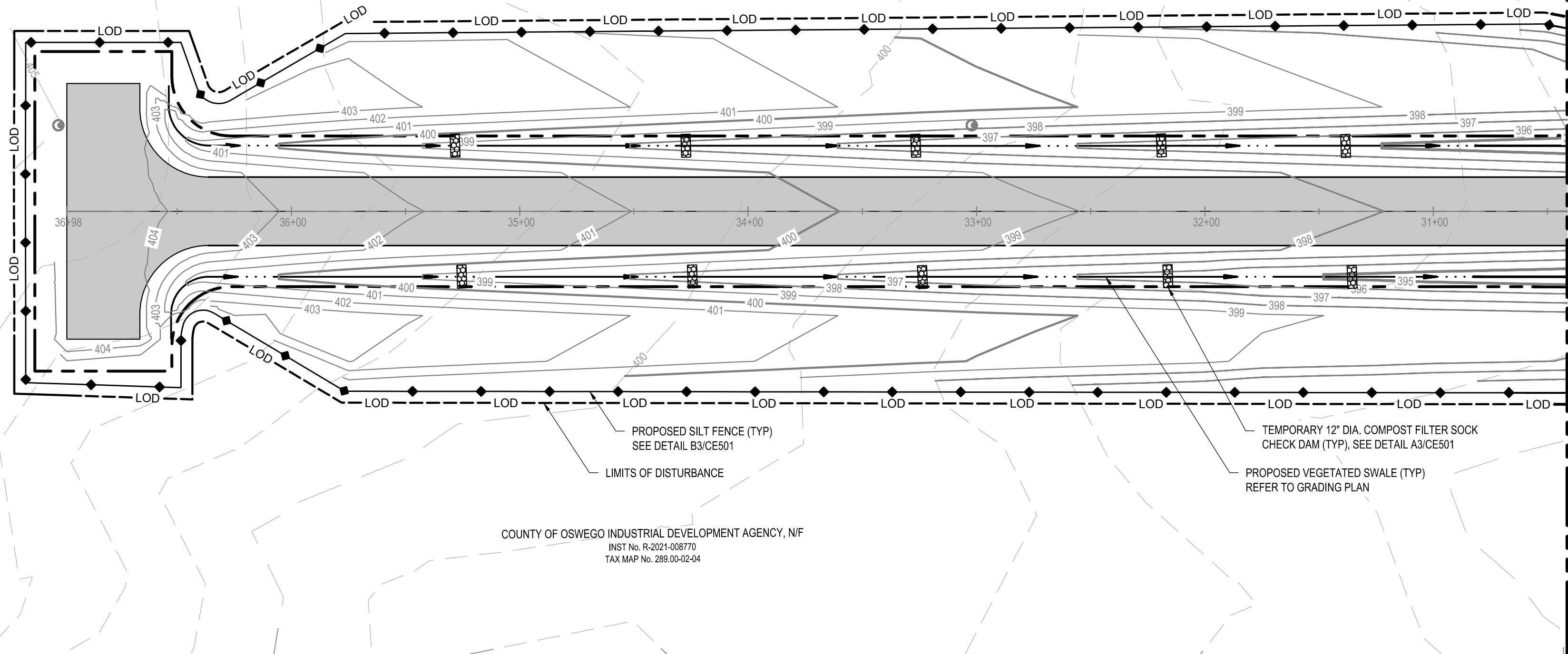
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B

C

B

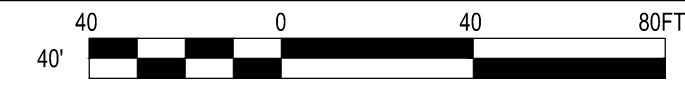


COUNTY OF OSWEGO INDUSTRIAL DEVELOPMENT AGENCY, NIF  
 INST No. R-2021-008770  
 TAX MAP No. 289.00-02-04

SEE B1/CE104 FOR CONTINUATION

**B1 EROSION & SEDIMENT CONTROL PLAN**

SCALE: 1" = 40'



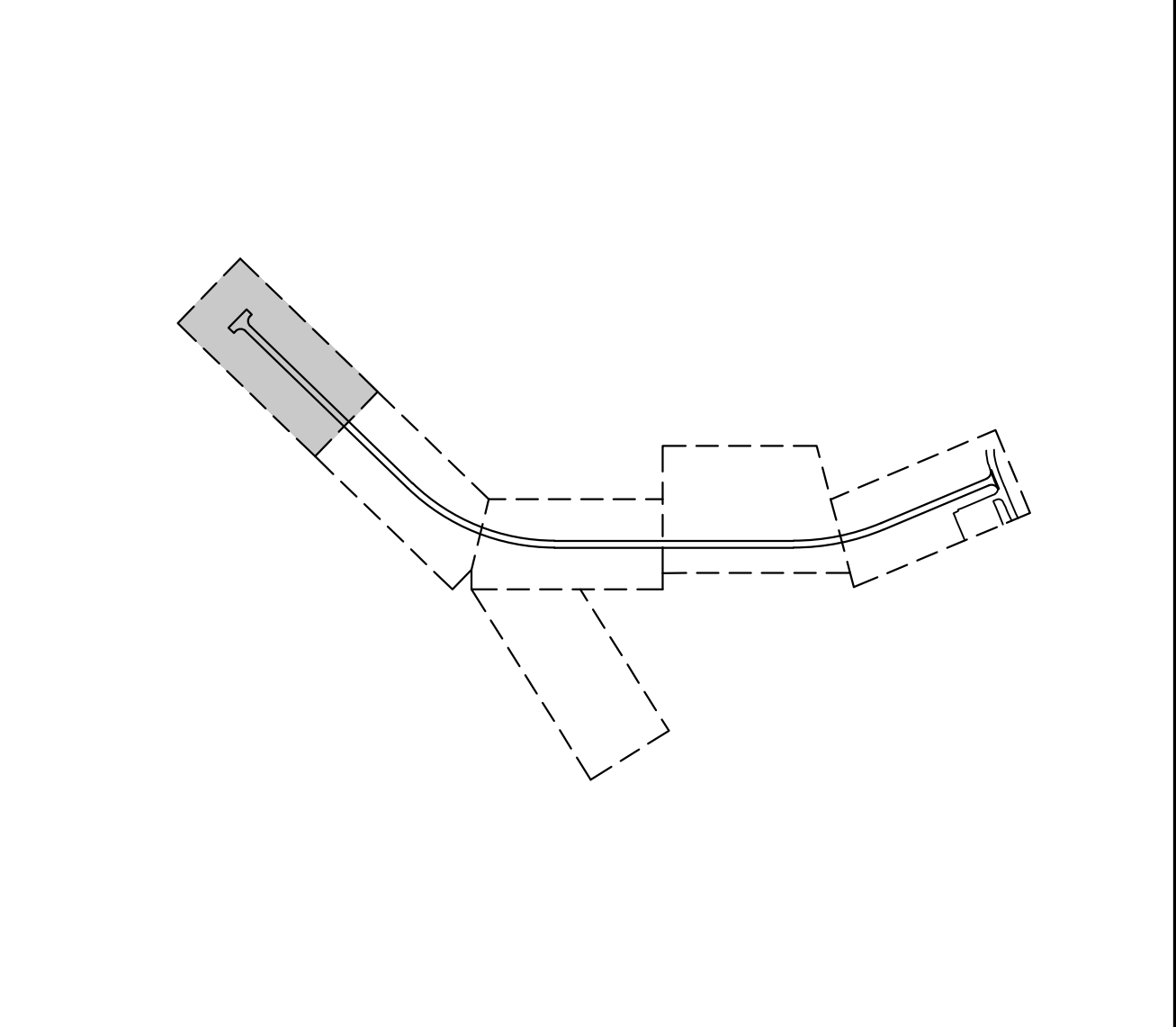
- GENERAL NOTES:**
- SEED AND MULCHING SHALL BE COVERED UNDER ITEM 209.1003
- CONSTRUCTION SEQUENCE:**
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**EROSION & SEDIMENT CONTROL SPECIFICATIONS:**

ONE WEEK PRIOR TO BEGINNING EARTHWORK OPERATIONS, A PRE-CONSTRUCTION MEETING WILL BE HELD TO DISCUSS THE EROSION AND SEDIMENT CONTROL PLAN AND TO FINALIZE THE PAPERWORK FOR THE STORMWATER POLLUTION PREVENTION PLAN AS SPECIFIED IN THE NYSDEC STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES) GENERAL PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES (GP-0-25-001)

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- PROPOSED SILT FENCE
- LOD LIMITS OF DISTURBANCE
- PROPOSED VEGETATED SWALE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMPORARY CHECK DAM



**A1 SHEET NOTES**

SCALE: NOT TO SCALE

**A3 LEGEND**

SCALE: NOT TO SCALE

**A4 KEY MAP**

SCALE: NOT TO SCALE



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 Fax: 315-455-9667  
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COUNTY OF OSWEGO INDUSTRIAL DEVELOPMENT AGENCY

**OSWEGO COUNTY - INDUSTRIAL  
 PARK INFRASTRUCTURE  
 EXPANSION PROJECT  
 112 HARRIS DRIVE  
 PHOENIX, NY 13135**

MARK	DATE	DESCRIPTION
REVISIONS		
	PROJECT NO:	180.272.001
	DATE:	MAY 2026
	DRAWN BY:	M. MARCHEWKA
	DESIGNED BY:	M. MARCHEWKA
	CHECKED BY:	K. GRAHAM, P.E.
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

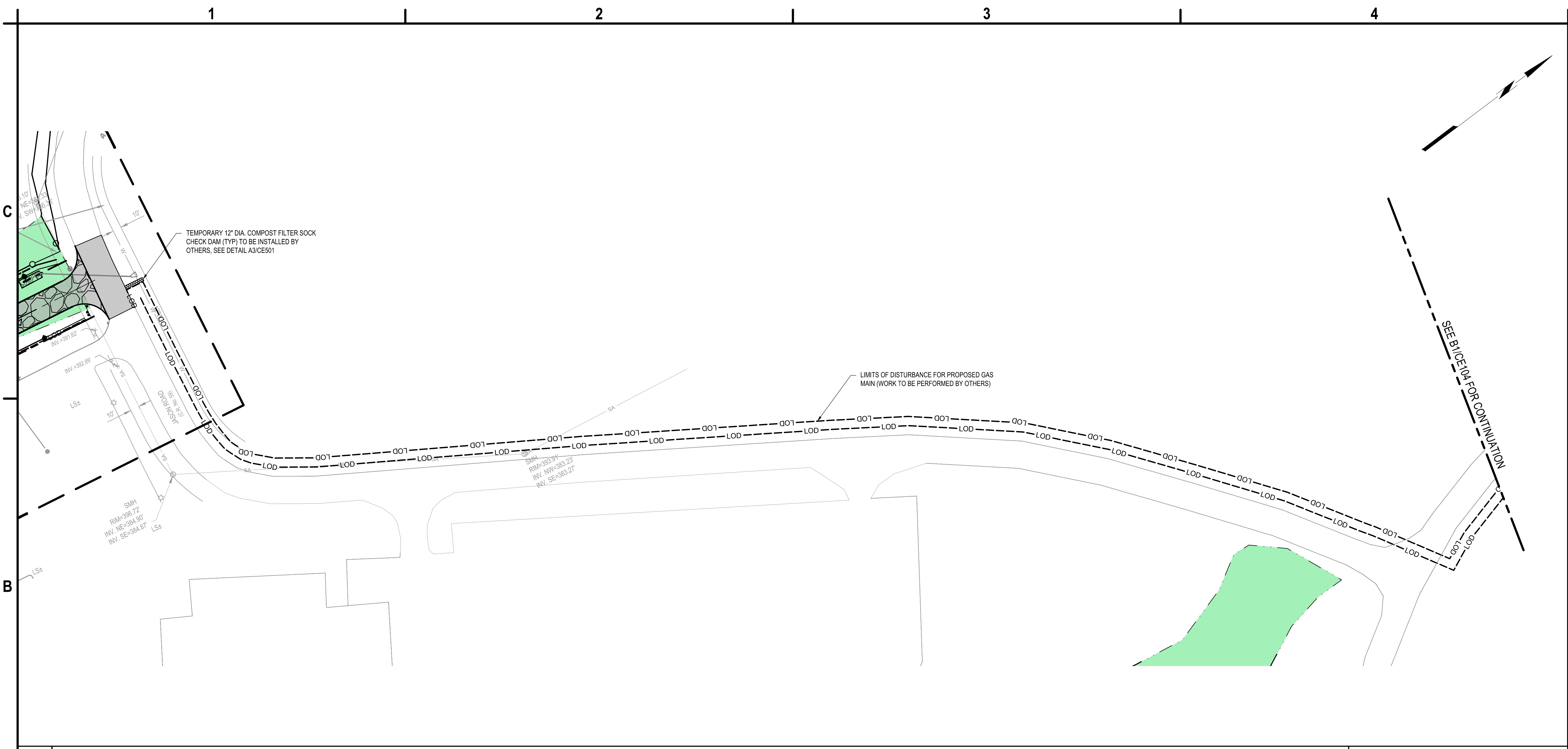
**EROSION &  
 SEDIMENT CONTROL  
 PLAN**

**CE105**

SHEET NO. 15 OF 73

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May 19, 2026 - 9:44 am  
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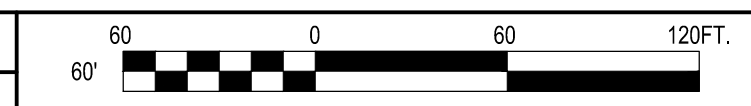


100% BID DOCUMENTS  
 ISSUED FOR CONSTRUCTION



**OSWEGO COUNTY - INDUSTRIAL  
 PARK INFRASTRUCTURE  
 EXPANSION PROJECT  
 112 HARRIS DRIVE  
 PHOENIX, NY 13135**

**B1 EROSION & SEDIMENT CONTROL PLAN**  
 SCALE: 1" = 60'



**GENERAL NOTES:**

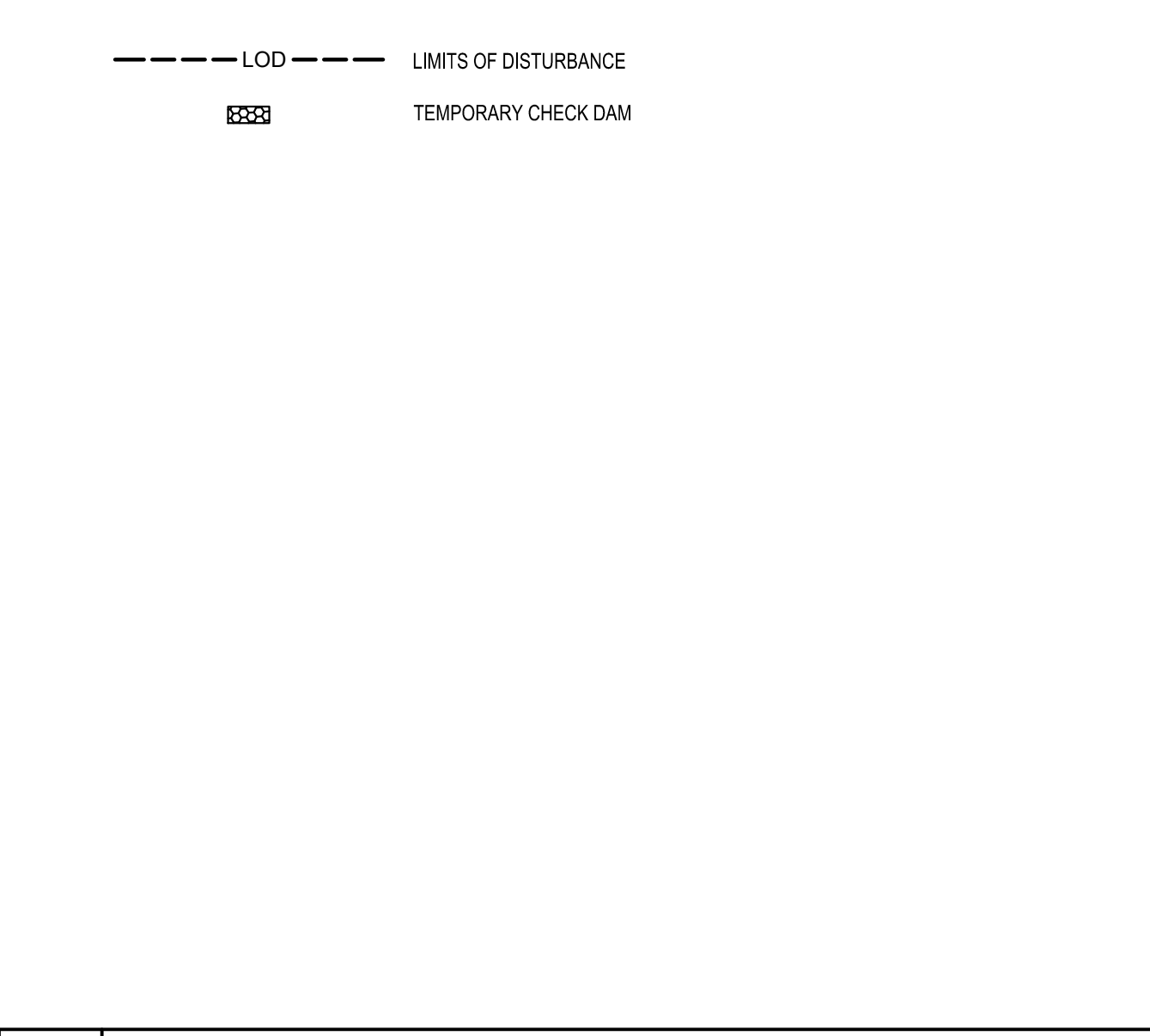
- SEED AND MULCHING SHALL BE COVERED UNDER ITEM 209.1003

**EROSION & SEDIMENT CONTROL SPECIFICATIONS:**

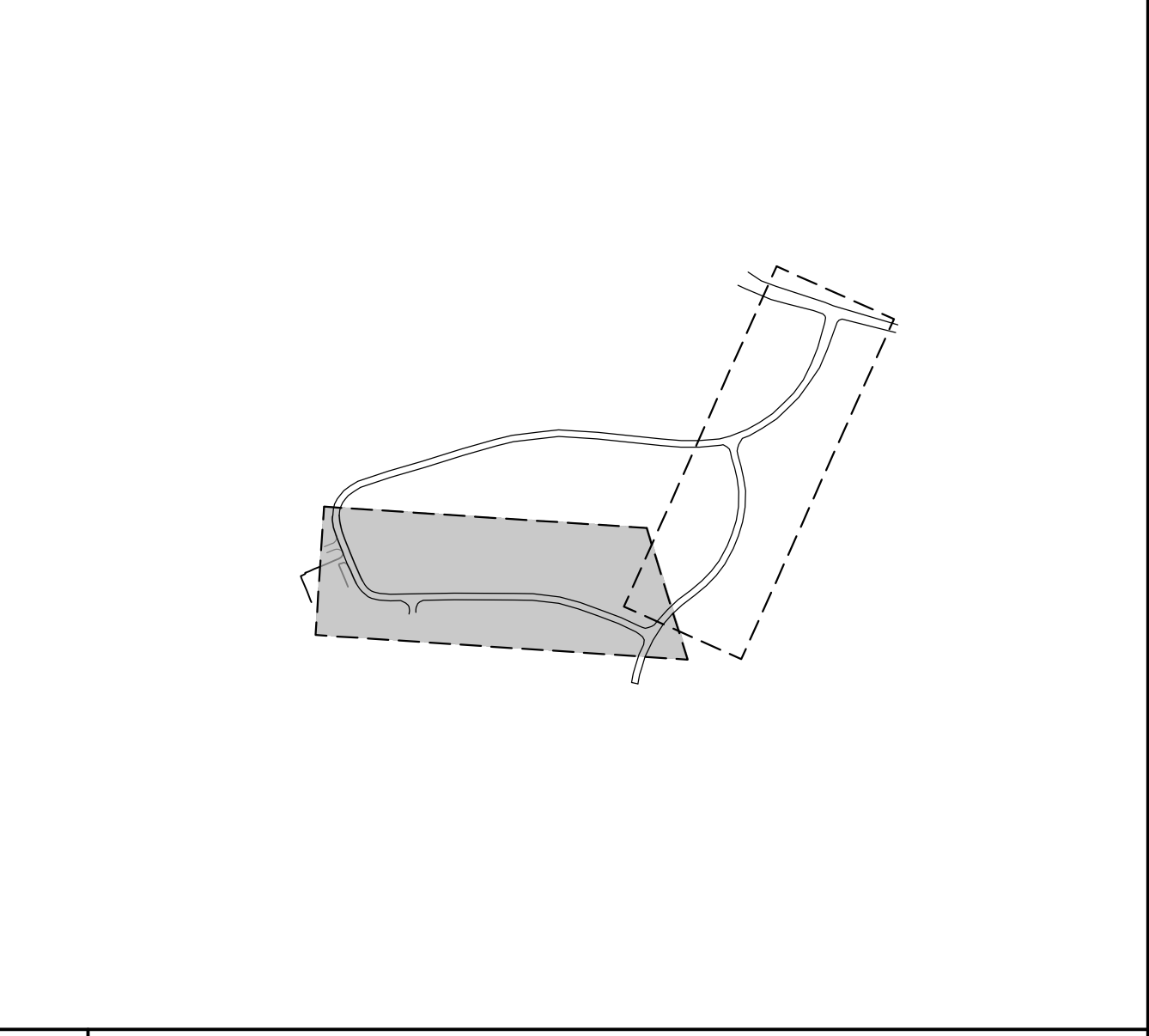
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**A1 SHEET NOTES**  
 SCALE: NOT TO SCALE



**A3 LEGEND**  
 SCALE: NOT TO SCALE



**A4 KEY MAP**  
 SCALE: NOT TO SCALE

MARK	DATE	DESCRIPTION
REVISIONS		
		PROJECT NO: 180.272.001
		DATE: MAY 2026
		DRAWN BY: M. MARCHEWKA
		DESIGNED BY: M. MARCHEWKA
		CHECKED BY: K. GRAHAM, P.E.
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

**EROSION &  
 SEDIMENT CONTROL  
 PLAN**

**CE106**  
 SHEET NO. 16 OF 73

May 19, 2026 - 9:40am  
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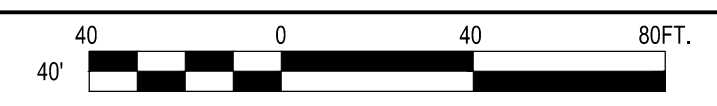
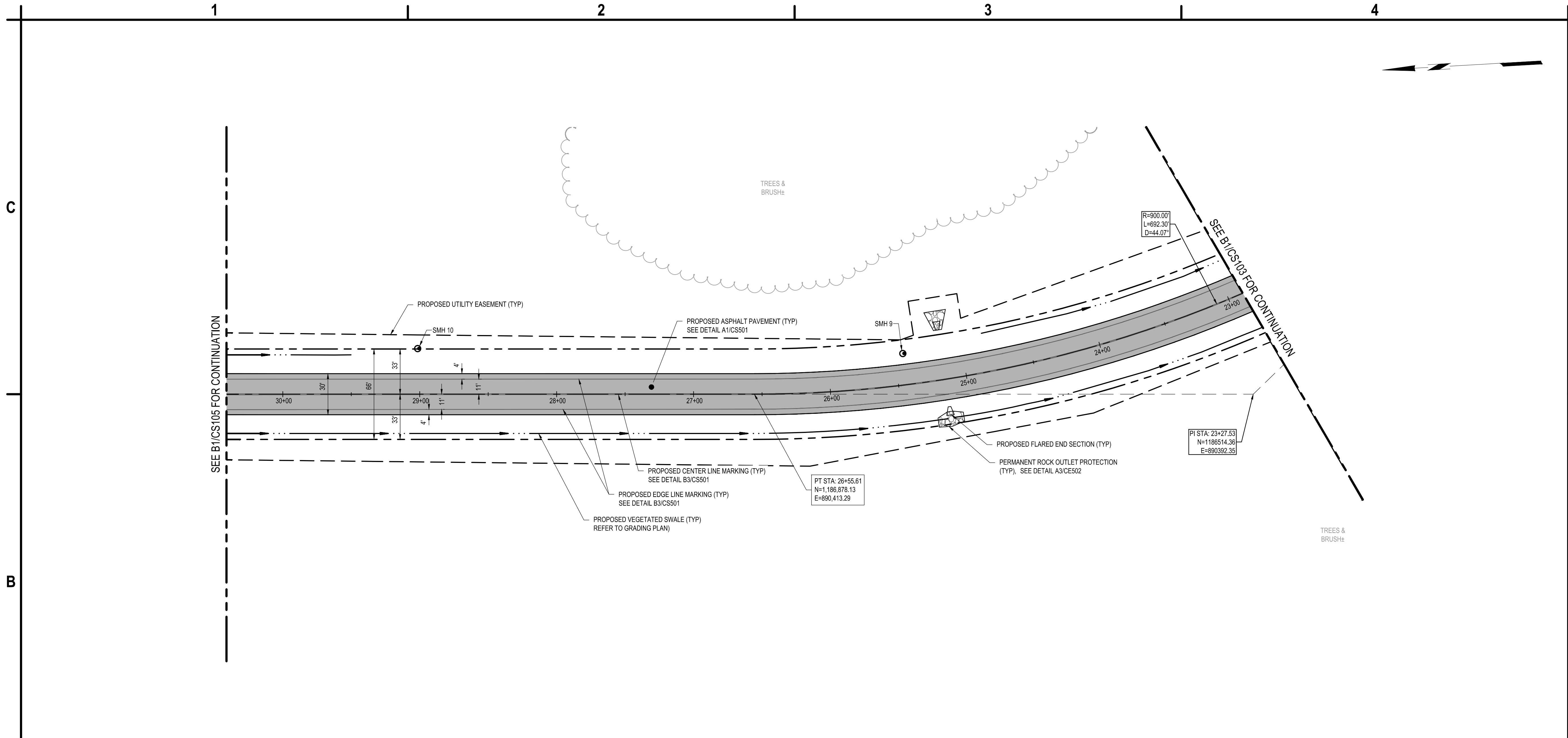
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COUNTY OF OSWEGO INDUSTRIAL DEVELOPMENT AGENCY

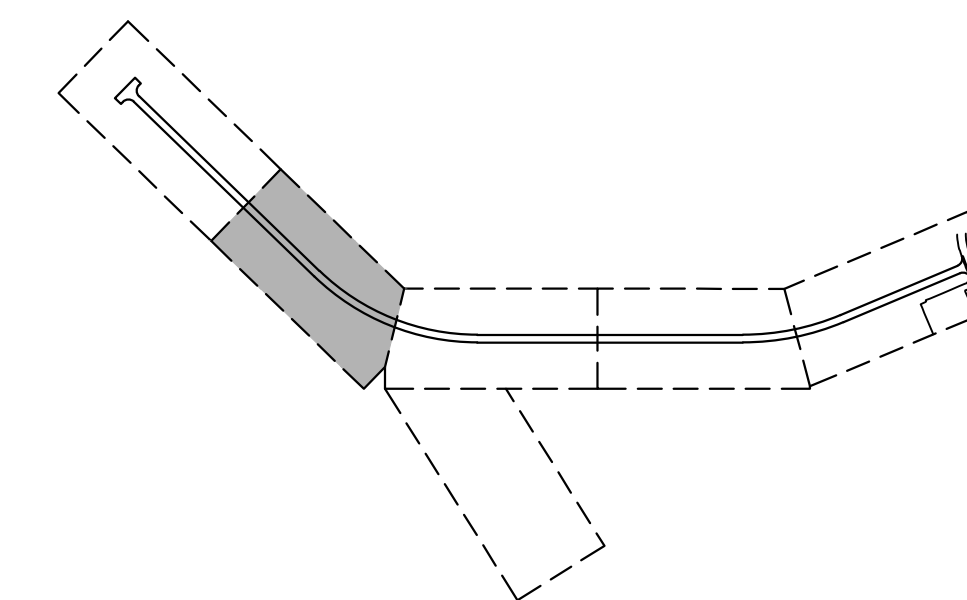
**OSWEGO COUNTY - INDUSTRIAL  
 PARK INFRASTRUCTURE  
 EXPANSION PROJECT  
 112 HARRIS DRIVE  
 PHOENIX, NY 13135**



**B1 SITE PLAN**  
 SCALE: 1" = 40'

1. PROFILE AND CROSS SLOPE SHALL BE CONTROLLED IN ACCORDANCE WITH NYS DOT STANDARD SPECIFICATIONS SECTION 404-3.06 SPREADING AND FINISHING.
2. CONTRACTOR SHALL SEAL ALL EXISTING CRACKS AND UTILITY JOINTS IN THE EXPOSED PAVEMENT SURFACE PRIOR TO BINDER COURSE PAVING UNDER ITEM 633.12.

- PROPOSED ASPHALT PAVEMENT
- PROPOSED RIGHT OF WAY
- PROPOSED UTILITY EASEMENT
- PROPOSED SWALE
- PROPOSED FLARED END SECTION
- PROPOSED SANITARY MAN HOLE
- PROPOSED ROCK OUTLET PROTECTION



**A1 SHEET NOTES**  
 SCALE: NOT TO SCALE

**A3 LEGEND**  
 SCALE: NOT TO SCALE

**A4 KEY MAP**  
 SCALE: NOT TO SCALE

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: 180.272.001		
DATE: MAY 2026		
DRAWN BY: M. MARCHEWKA		
DESIGNED BY: M. MARCHEWKA		
CHECKED BY: K. GRAHAM, P.E.		
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SITE PLAN

**CS104**

SHEET NO. 21 OF 73

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1

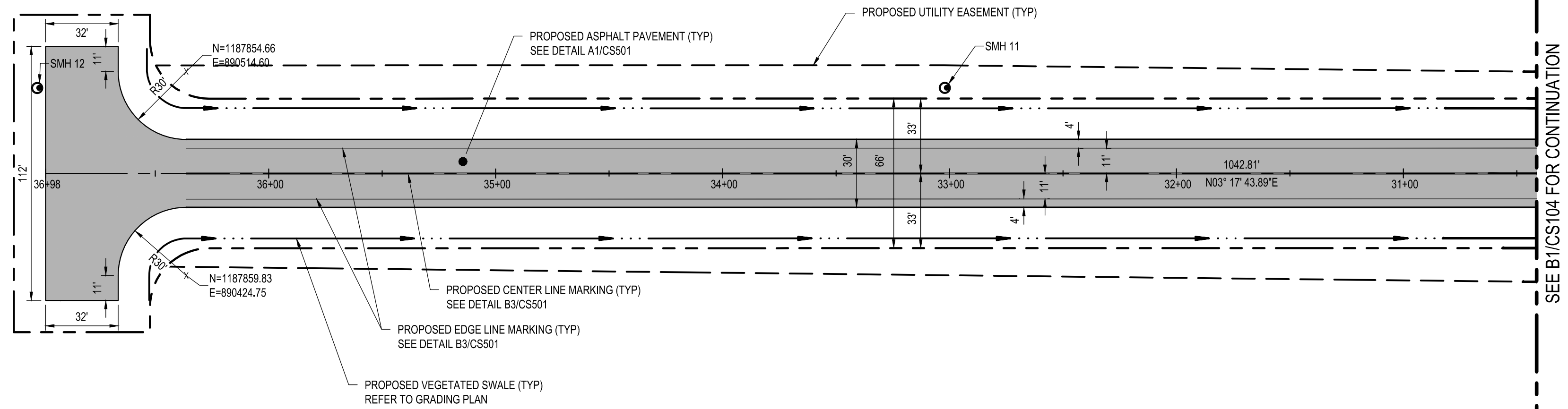
2

3

4

C

B



COUNTY OF OSWEGO INDUSTRIAL DEVELOPMENT AGENCY, NIF  
 INST No. R-2021-008770  
 TAX MAP No. 289.00-02-04

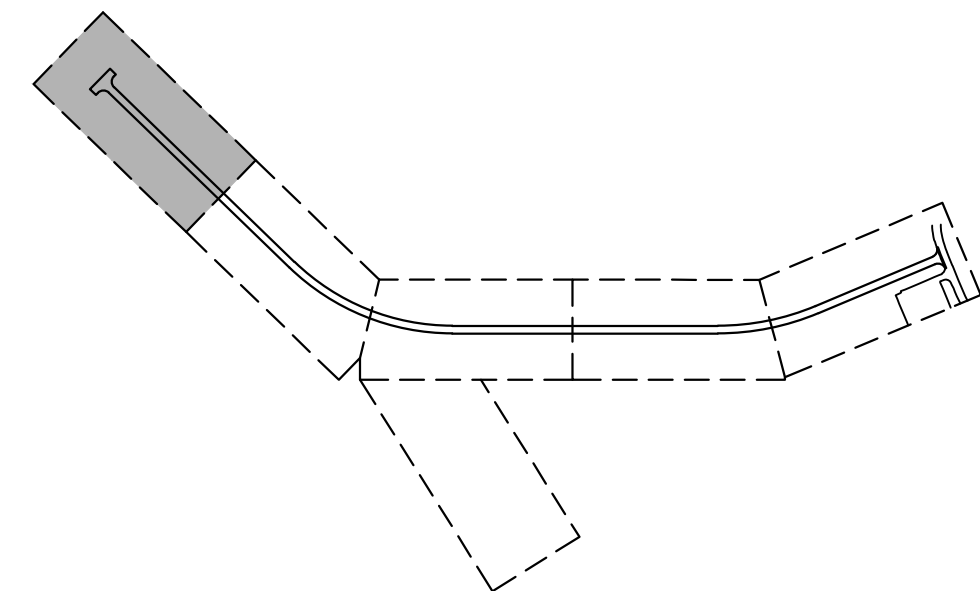
SEE B1/CS104 FOR CONTINUATION



**B1** SITE PLAN  
 SCALE: 1" = 40'

1. PROFILE AND CROSS SLOPE SHALL BE CONTROLLED IN ACCORDANCE WITH NYS DOT STANDARD SPECIFICATIONS SECTION 404-3.06 SPREADING AND FINISHING.
2. CONTRACTOR SHALL SEAL ALL EXISTING CRACKS AND UTILITY JOINTS IN THE EXPOSED PAVEMENT SURFACE PRIOR TO BINDER COURSE PAVING UNDER ITEM 633.12.

- PROPOSED ASPHALT PAVEMENT
- PROPOSED RIGHT OF WAY
- PROPOSED UTILITY EASEMENT
- PROPOSED SWALE
- PROPOSED SANITARY MAN HOLE
- PROPOSED ROCK OUTLET PROTECTION



**A1** SHEET NOTES  
 SCALE: NOT TO SCALE

**A3** LEGEND  
 SCALE: NOT TO SCALE

**A4** KEY MAP  
 SCALE: NOT TO SCALE



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 EXPANSION PROJECT  
 112 HARRIS DRIVE  
 PHOENIX, NY 13135**

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO:		180.272.001
DATE:		MAY 2026
DRAWN BY:		M. MARCHEWKA
DESIGNED BY:		M. MARCHEWKA
CHECKED BY:		K. GRAHAM, P.E.
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SITE PLAN

**CS105**

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 112 HARRIS DRIVE  
 PHOENIX, NY 13135**

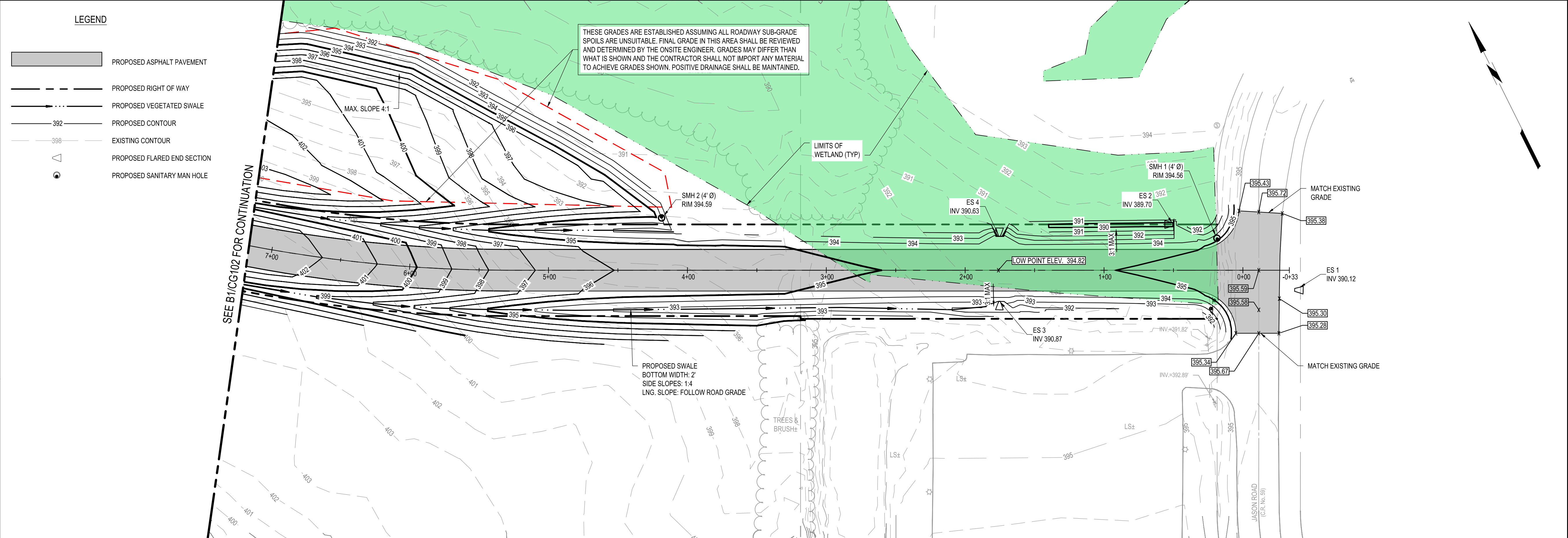
MARK	DATE	DESCRIPTION
REVISIONS		
		PROJECT NO: 180.272.001
		DATE: MAY 2026
		DRAWN BY: M. MARCHEWKA
		DESIGNED BY: M. MARCHEWKA
		CHECKED BY: K. GRAHAM, P.E.
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**GRADING PLAN AND  
 ROAD PROFILES**

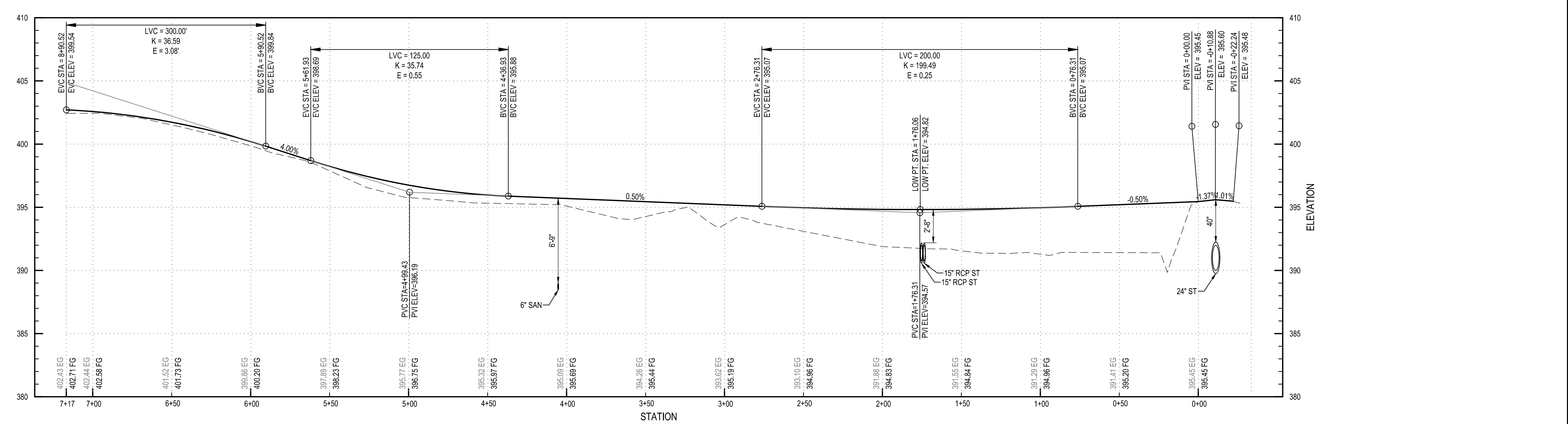
**CG101**

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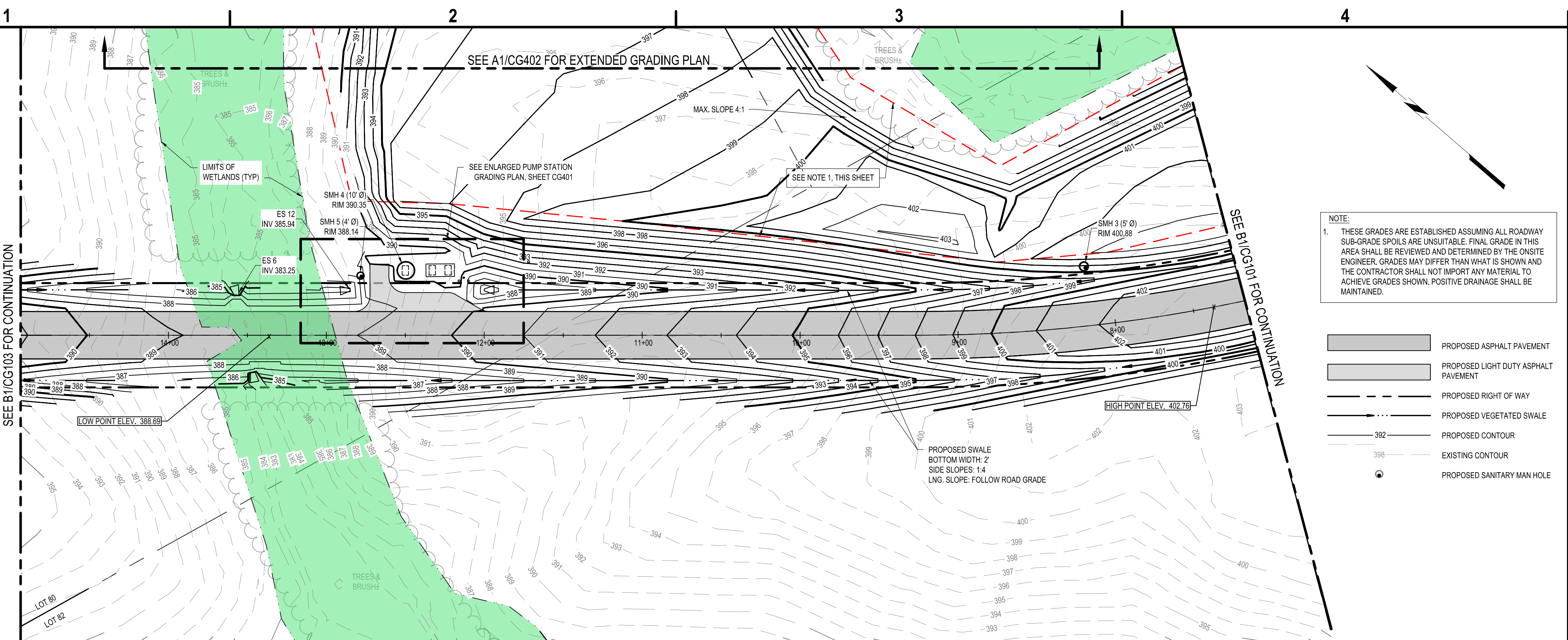


**B1 GRADING PLAN**  
 SCALE: 1"=40'



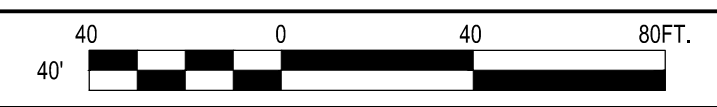
**A1 ROAD PROFILE**  
 SCALE: H: 1"=40' V: 1"=5'

May 19, 2026 - 9:40am  
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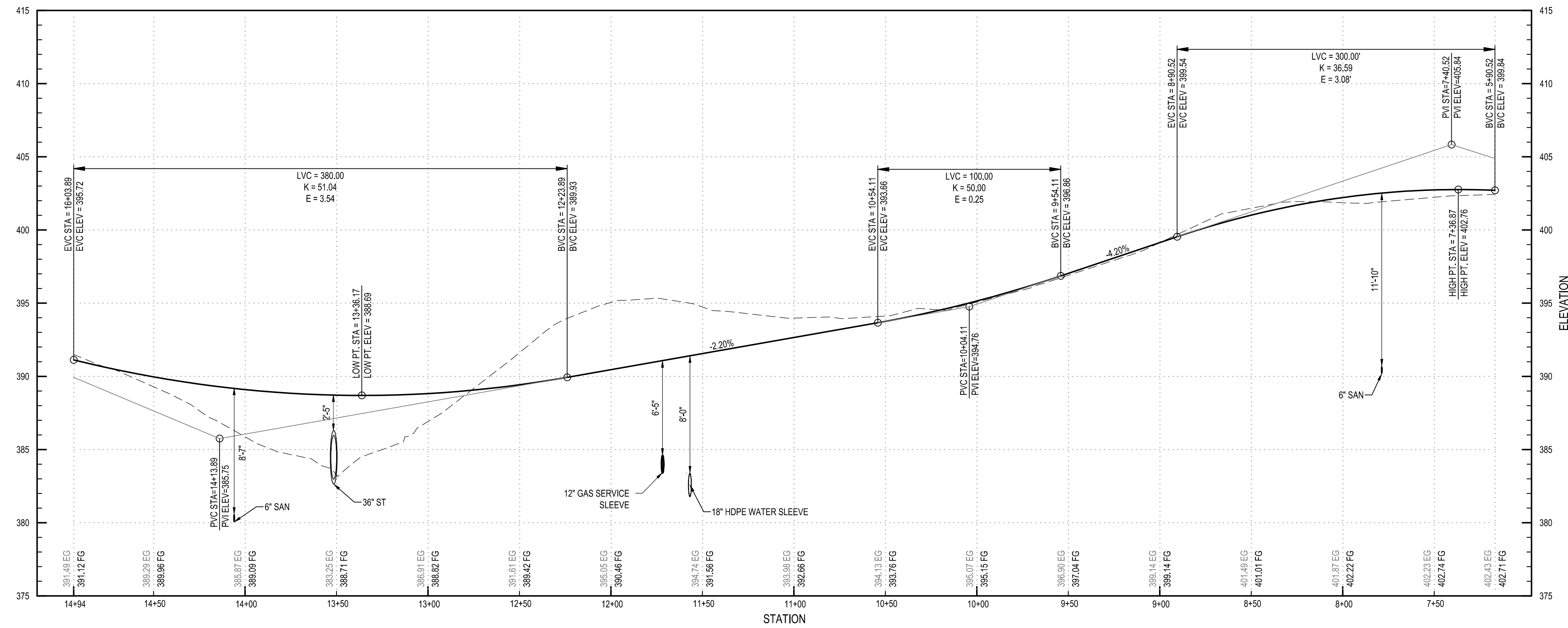


NOTE:  
 1. THESE GRADES ARE ESTABLISHED ASSUMING ALL ROADWAY SUB-GRADE SPOILS ARE UNSUITABLE. FINAL GRADE IN THIS AREA SHALL BE REVIEWED AND DETERMINED BY THE ONSITE ENGINEER. GRADES MAY DIFFER THAN WHAT IS SHOWN AND THE CONTRACTOR SHALL NOT IMPORT ANY MATERIAL TO ACHIEVE GRADES SHOWN. POSITIVE DRAINAGE SHALL BE MAINTAINED.

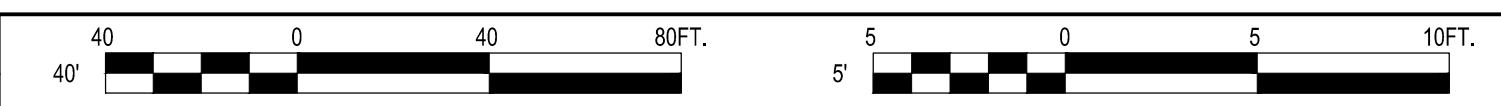
- PROPOSED ASPHALT PAVEMENT
- PROPOSED LIGHT DUTY ASPHALT PAVEMENT
- PROPOSED RIGHT OF WAY
- PROPOSED VEGETATED SWALE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- PROPOSED SANITARY MAN HOLE



**B1 GRADING PLAN**  
 SCALE: 1" = 40'



**A1 ROAD PROFILE**  
 SCALE: H: 1" = 40' V: 1" = 5'



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 PARK INFRASTRUCTURE  
 EXPANSION PROJECT  
 112 HARRIS DRIVE  
 PHOENIX, NY 13135**

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: 180.272.001		
DATE: MAY 2026		
DRAWN BY: M. MARCHEWKA		
DESIGNED BY: M. MARCHEWKA		
CHECKED BY: K. GRAHAM, P.E.		
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**GRADING PLAN AND  
 ROAD PROFILES**

**CG102**

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 112 HARRIS DRIVE  
 PHOENIX, NY 13135**

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: 180.272.001		
DATE: MAY 2026		
DRAWN BY: M. MARCHEWKA		
DESIGNED BY: M. MARCHEWKA		
CHECKED BY: K. GRAHAM, P.E.		
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

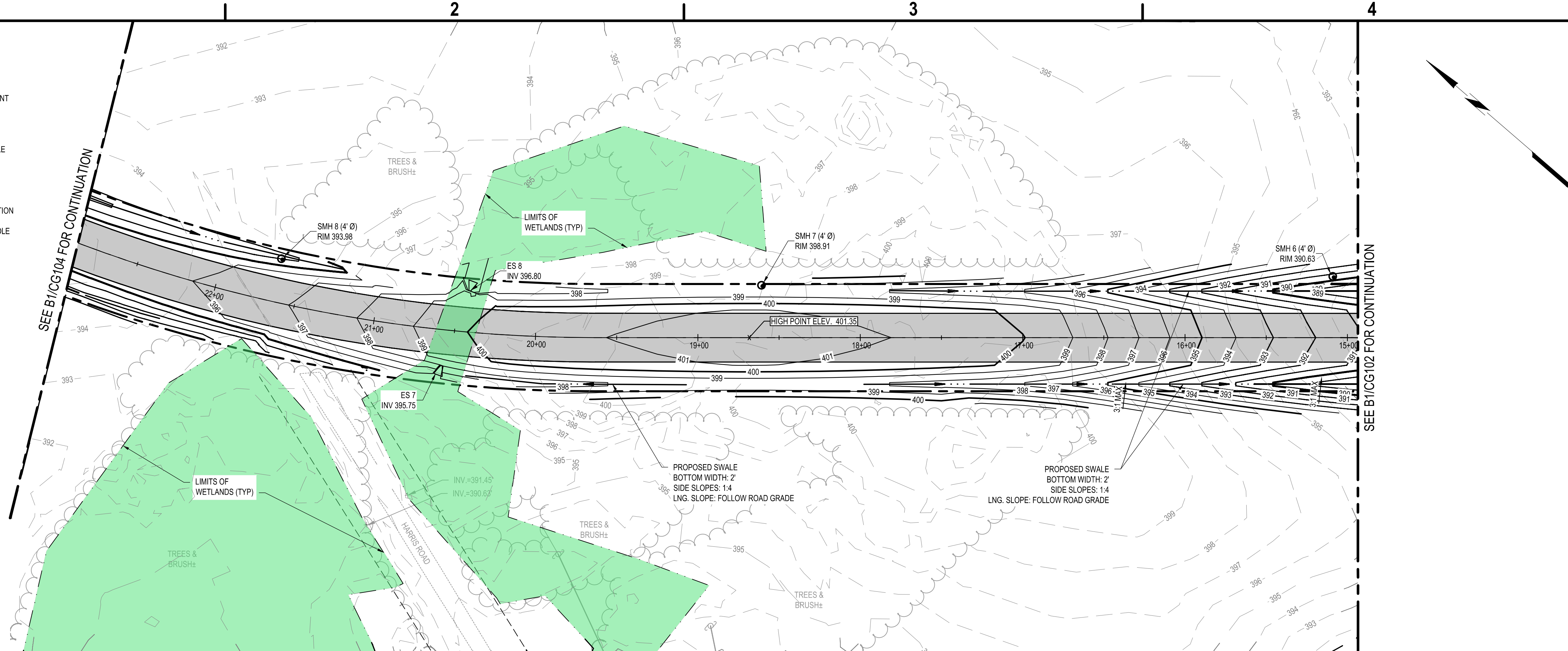
**GRADING PLAN AND  
 ROAD PROFILES**

**CG103**

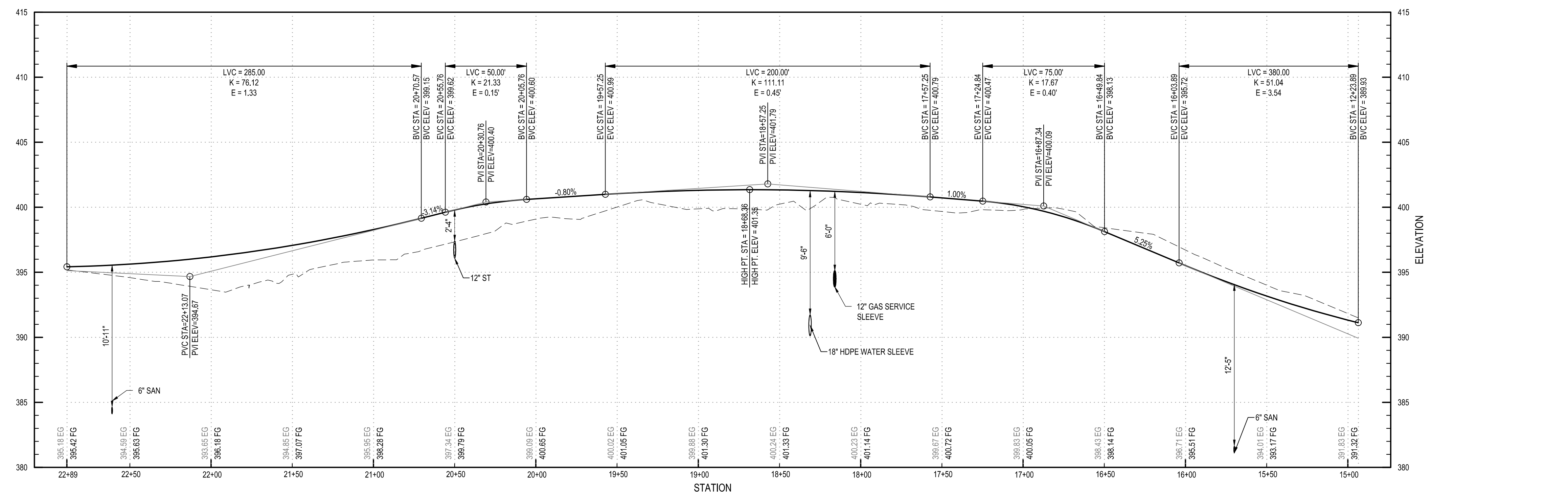
SHEET NO. 26 OF 73

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- LEGEND**
- PROPOSED ASPHALT PAVEMENT
  - PROPOSED RIGHT OF WAY
  - PROPOSED VEGETATED SWALE
  - PROPOSED CONTOUR
  - EXISTING CONTOUR
  - PROPOSED FLARED END SECTION
  - PROPOSED SANITARY MAN HOLE

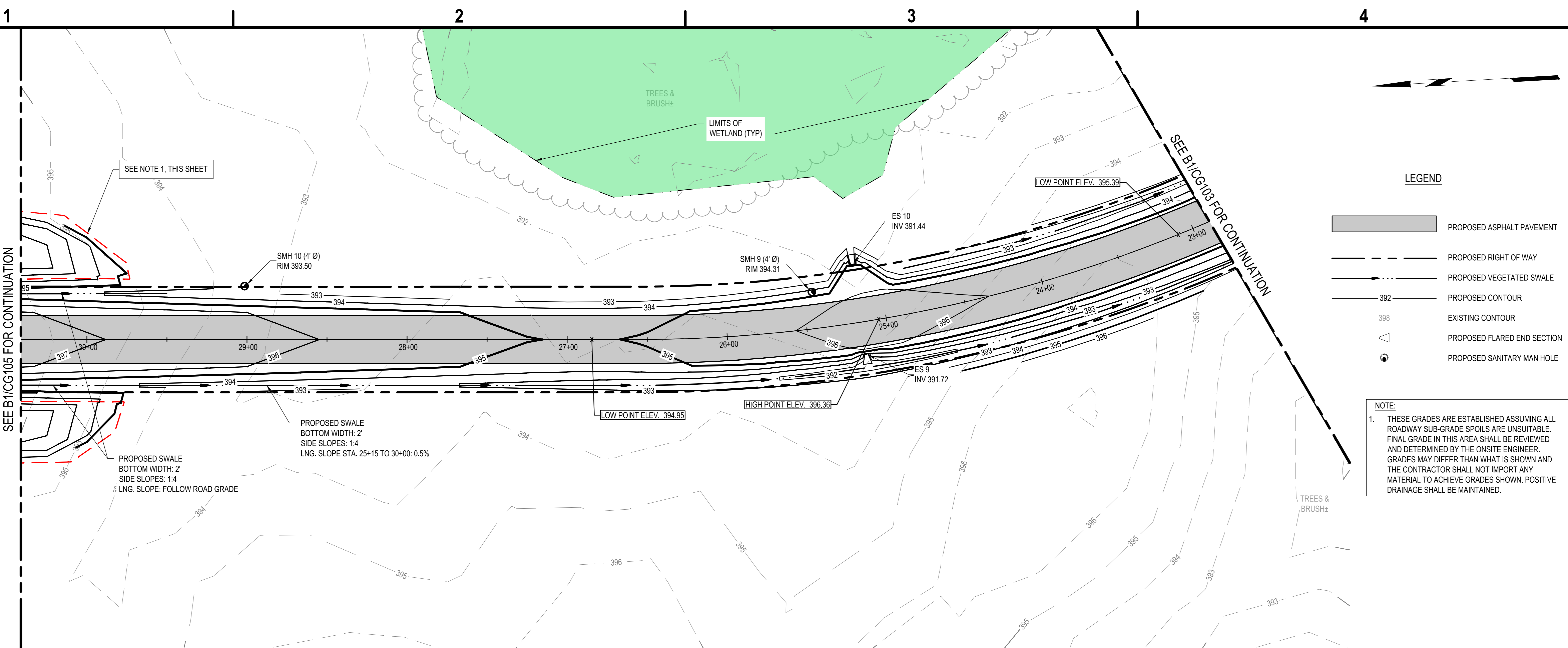


**B1 GRADING PLAN**  
 SCALE: 1" = 40'

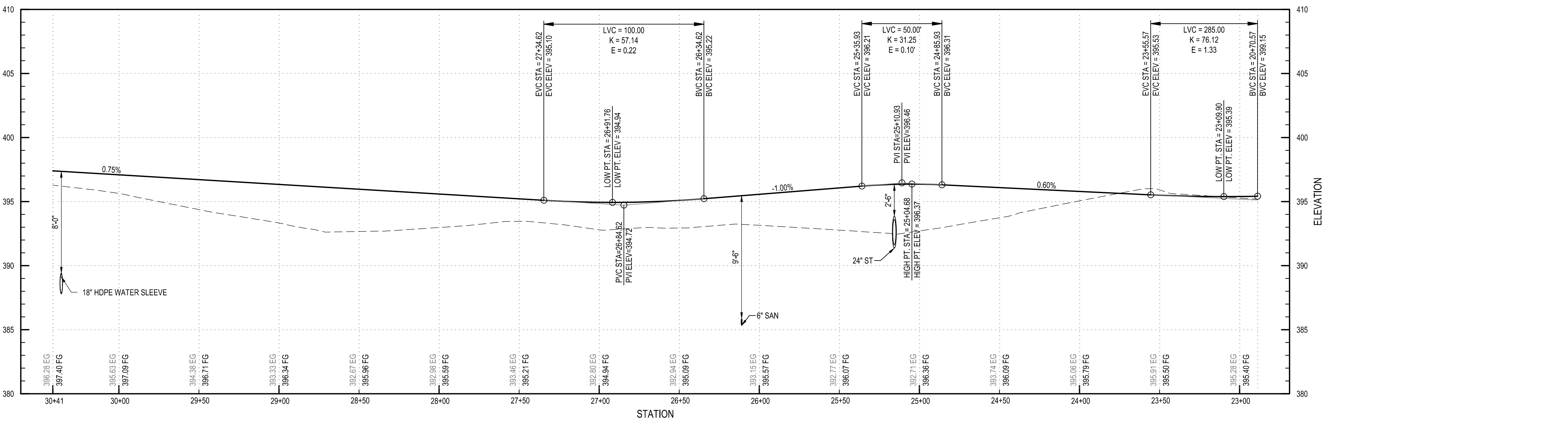


**A1 ROAD PROFILE**  
 SCALE: H: 1" = 40', V: 1" = 5'

May 19, 2026 - 9:42am  
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**B1 GRADING PLAN**  
 SCALE: 1" = 40'



**A1 ROAD PROFILE**  
 SCALE: H: 1" = 40' V: 1" = 5'



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 112 HARRIS DRIVE  
 PHOENIX, NY 13135**

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: 180.272.001		
DATE: MAY 2026		
DRAWN BY: M. MARCHEWKA		
DESIGNED BY: M. MARCHEWKA		
CHECKED BY: K. GRAHAM, P.E.		
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**GRADING PLAN AND  
 ROAD PROFILES**

**CG104**

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 PHOENIX, NY 13135**

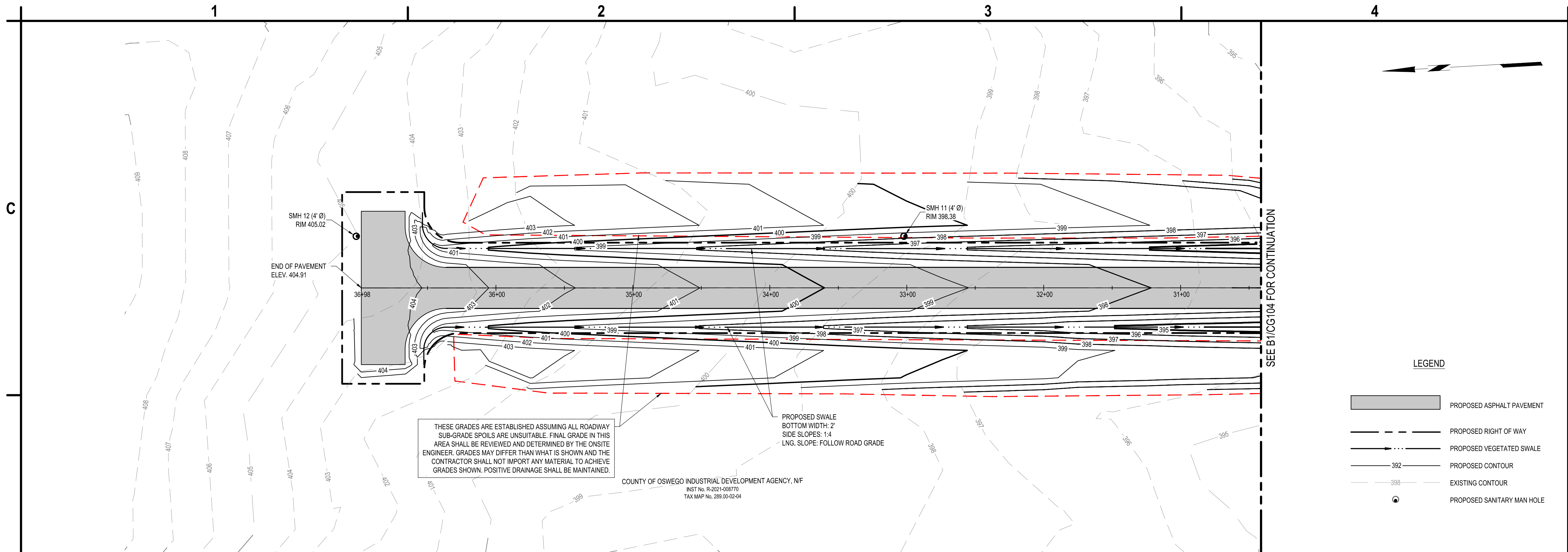
MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: 180.272.001		
DATE: MAY 2026		
DRAWN BY: M. MARCHEWKA		
DESIGNED BY: M. MARCHEWKA		
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**GRADING PLAN AND  
 ROAD PROFILES**

**CG105**

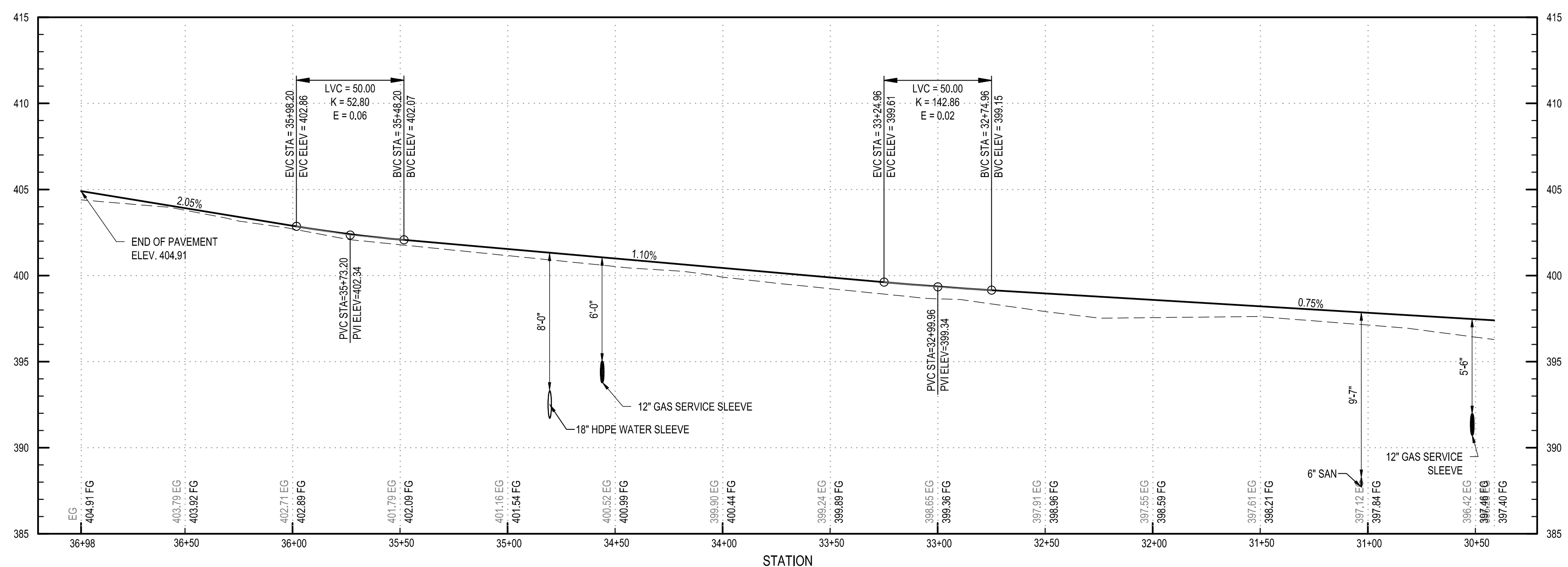
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**B1 GRADING PLAN**

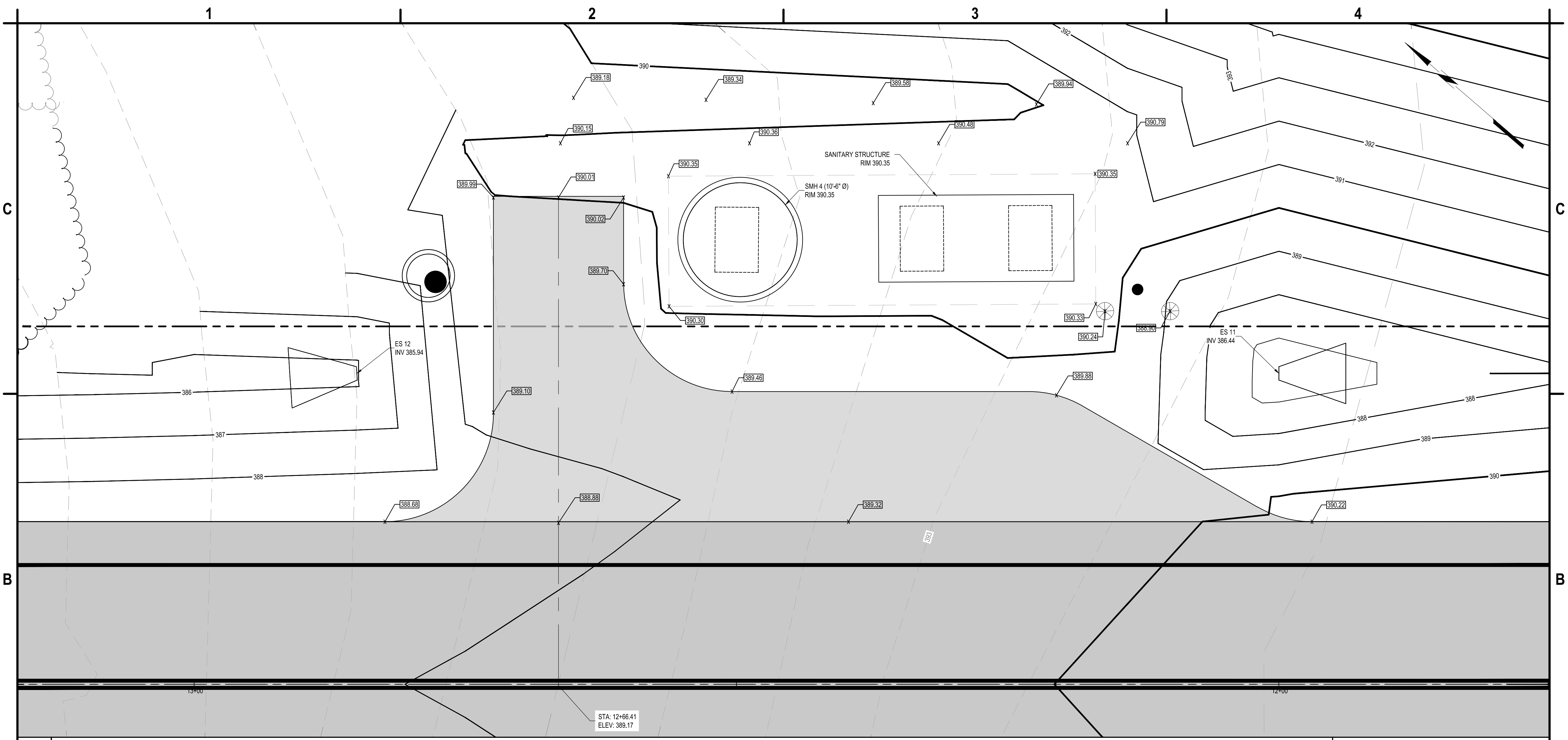
SCALE: 1" = 40'



**A1 ROAD PROFILE**

SCALE: H: 1" = 40' V: 1" = 5'

May 19, 2026 - 9:43am  
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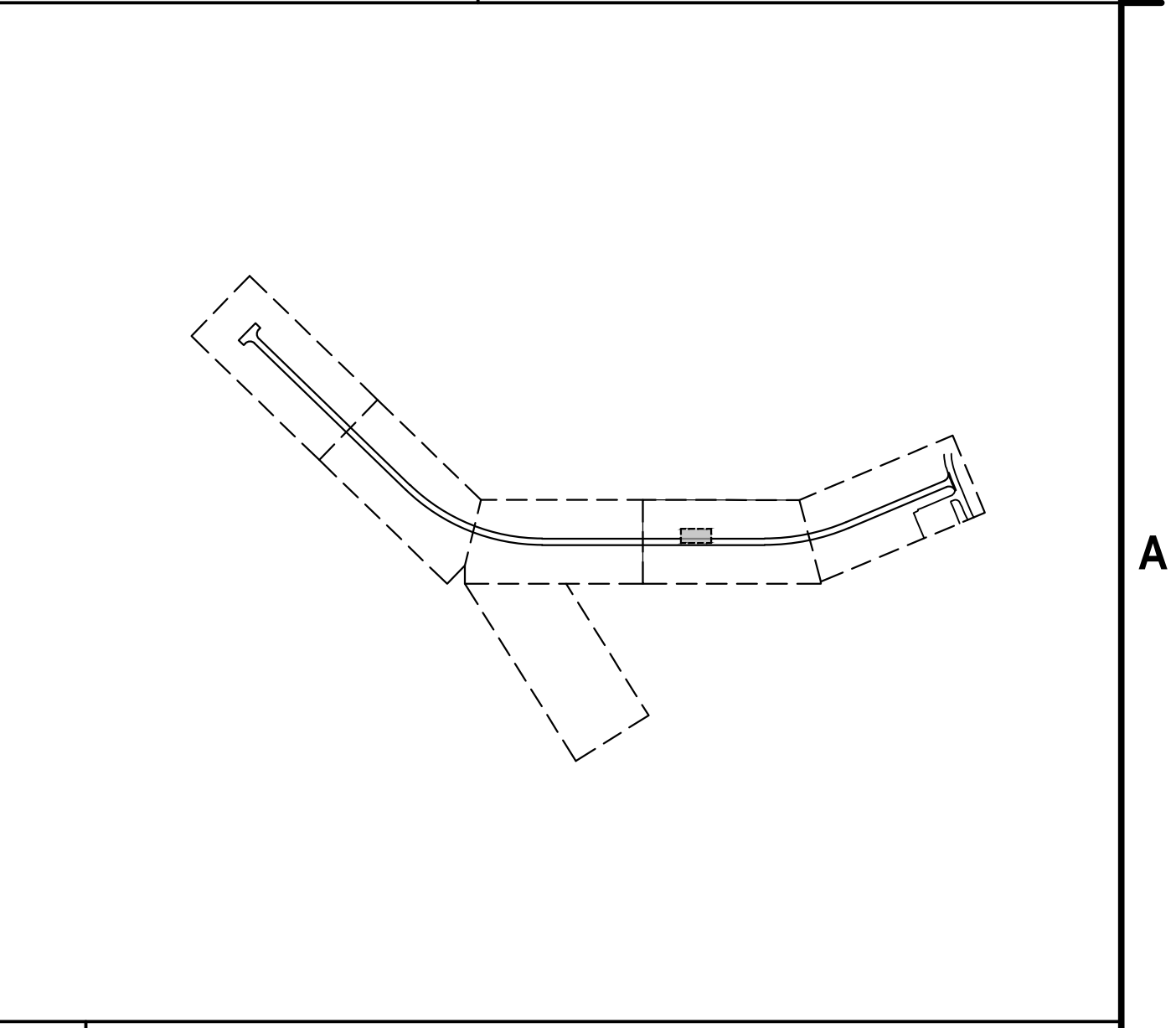


**A1 ENLARGED PUMP STATION GRADING PLAN**  
SCALE: 1"=5'



**A1 SHEET NOTES**  
SCALE: NOT TO SCALE

- A3 LEGEND**  
SCALE: NOT TO SCALE
- PROPOSED ASPHALT PAVEMENT
  - PROPOSED LIGHT DUTY ASPHALT PAVEMENT
  - PROPOSED RIGHT OF WAY
  - PROPOSED VEGETATED SWALE
  - PROPOSED CONTOUR
  - EXISTING CONTOUR
  - PROPOSED FLARED END SECTION
  - PROPOSED SANITARY MAN HOLE



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PARK INFRASTRUCTURE  
EXPANSION PROJECT  
112 HARRIS DRIVE  
PHOENIX, NY 13135**

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: 180.272.001		
DATE: MAY 2026		
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**ENLARGED PUMP  
STATION GRADING  
PLAN**

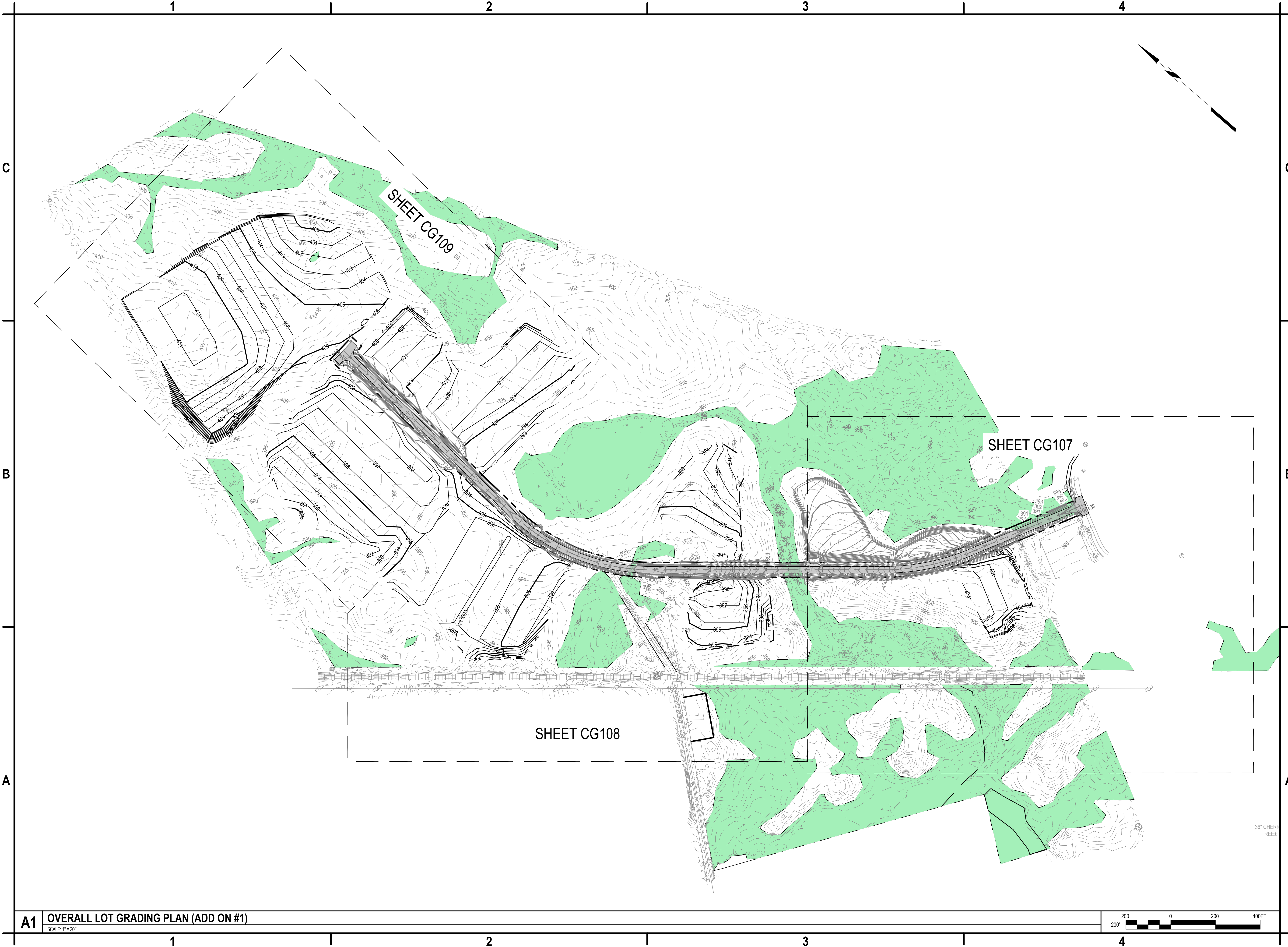
**CG401**

SHEET NO. 29 OF 73

May 19, 2026 - 9:41 am  
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 112 HARRIS DRIVE  
 PHOENIX, NY 13135**

MARK	DATE	DESCRIPTION
REVISIONS		

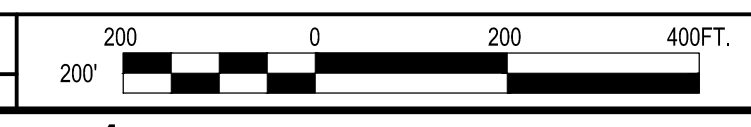
PROJECT NO:	180.272.001
DATE:	MAY 2024
DRAWN BY:	M. MARCHEWKA
DESIGNED BY:	M. MARCHEWKA
CHECKED BY:	K. GRAHAM, P.E.

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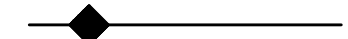




**OVERALL LOT  
 GRADING PLAN  
 (ADD ON #1)**

**CG106**  
 SHEET NO. 31 OF 73

**A1 OVERALL LOT GRADING PLAN (ADD ON #1)**  
 SCALE: 1" = 20'



LEGEND

-  PROPOSED SILT FENCE
-  LIMITS OF DISTURBANCE
-  PROPOSED CONTOUR
-  EXISTING CONTOUR
-  TEMPORARY CHECK DAM

GENERAL NOTES:

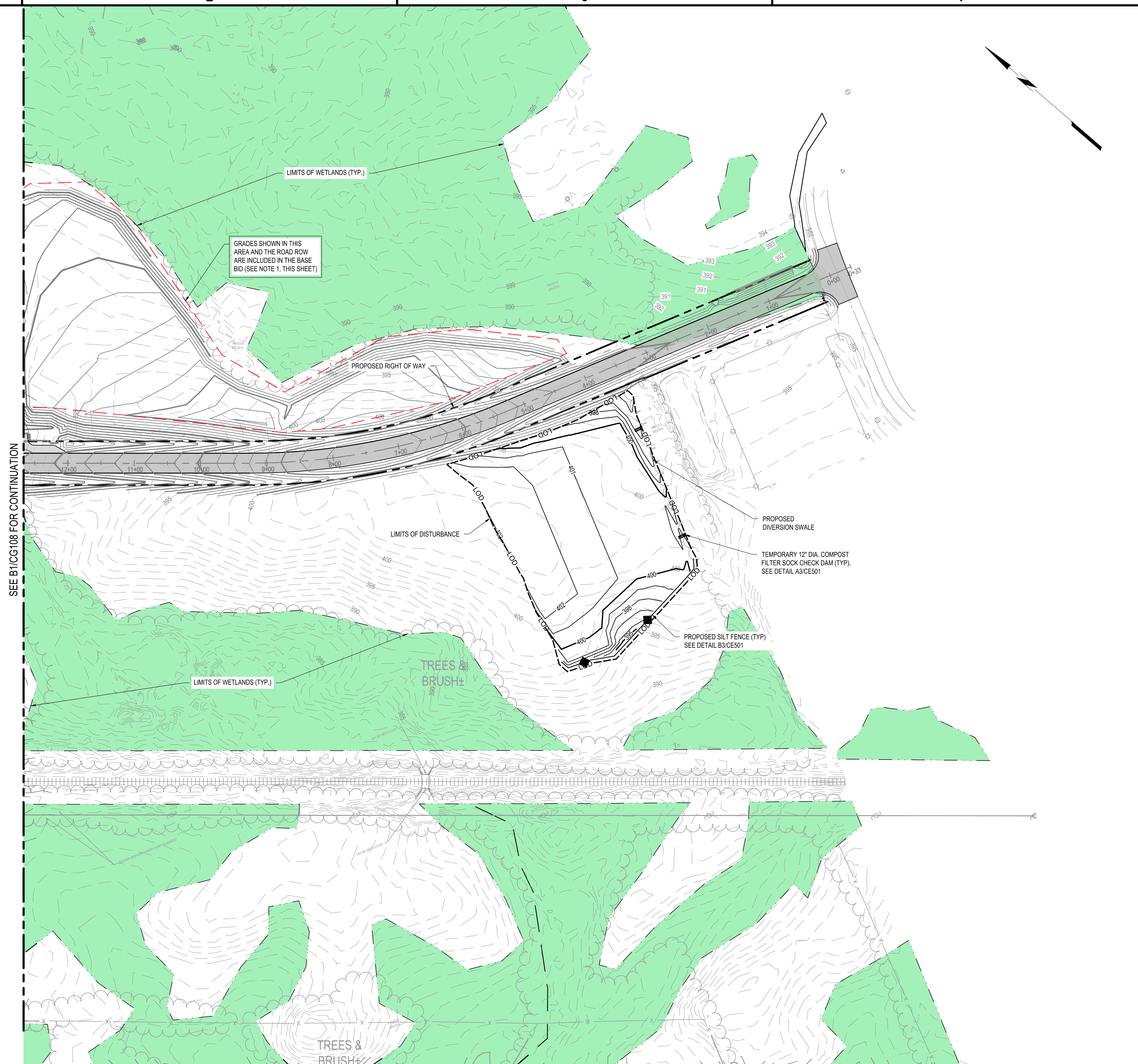
1. ALL GRADING AND EROSION CONTROL MEASURES WITHIN THE RIGHT OF WAY, AS WELL AS GRADED AREAS SHOWN TO LOSE EXCESS MATERIAL, SHALL BE COVERED UNDER THE BASE BID. REFER TO SHEET CE101 THROUGH CE105 AND SHEETS CG101 THROUGH CG105 AND CG402. THE GRADED AREAS TO LOSE EXCESS MATERIAL ASSUMES ALL ROADWAY SUB-GRADE SPOILS ARE UNSUITABLE.
2. FOR CONSTRUCTION SEQUENCE SEE SHEETS CE101 THROUGH CE105.
3. SEED AND MULCHING SHALL BE COVERED UNDER ITEM 209.1003 (ADD ON #1).
4. SEDIMENT TRAP SHALL BE RESTORED TO THE ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 OF THE DESIGN DEPTH OF TRAPS -II, AND 1/2 THE DEPTH FOR TRAP III. SEDIMENT REMOVED FROM THE TRAP SHALL BE DEPOSITED IN A PROTECTED AREA AN IN SUCH A MANNER THAT IT WILL NOT ERODE.
5. THE SEDIMENT TRAP EMBANKMENT SHALL BE STABILIZED WITH SEED AND MULCH AS SOON AS IT IS COMPLETED.
6. ALL EROSION CONTROL MEASURES SHOWN ON THIS PLAN ARE INCLUDED UNDER ADD ON #1

EROSION & SEDIMENT CONTROL SPECIFICATIONS:

ONE WEEK PRIOR TO BEGINNING EARTHWORK OPERATIONS, A PRE-CONSTRUCTION MEETING WILL BE HELD TO DISCUSS THE EROSION AND SEDIMENT CONTROL PLAN AND TO FINALIZE THE PAPERWORK FOR THE STORMWATER POLLUTION PREVENTION PLAN AS SPECIFIED IN THE NYSDEC STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES) GENERAL PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES (GP-0-25-001).

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROVIDED PRIOR TO BEGINNING ANY LAND DISTURBANCE ACTIVITIES. THE DEVICES PROVIDING PROTECTION TO A GIVEN AREA SHALL NOT BE REMOVED UNTIL THE LANDS IN THAT AREA ARE STABILIZED.

SEE B1/CG108 FOR CONTINUATION



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**A1 LOT GRADING AND EROSION CONTROL PLAN**

SCALE: 1" = 80'



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PARK INFRASTRUCTURE  
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112 HARRIS DRIVE  
PHOENIX, NY 13135**

MARK	DATE	DESCRIPTION
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DRAWN BY: M. MARCHEWKA		
DESIGNED BY: M. MARCHEWKA		
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LOT GRADING AND  
EROSION CONTROL  
PLAN (ADD ON #1)

**CG107**

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GENERAL NOTES:

1. ALL GRADING AND EROSION CONTROL MEASURES WITHIN THE RIGHT OF WAY, AS WELL AS GRADED AREAS SHOWN TO LOSE EXCESS MATERIAL, SHALL BE COVERED UNDER THE BASE BID. REFER TO SHEET CG101 THROUGH CG105 AND SHEETS CG106 AND CG402. THE GRADED AREAS TO LOSE EXCESS MATERIAL ASSUMES ALL ROADWAY SUB-GRADE SPOILS ARE UNSUITABLE.
2. FOR CONSTRUCTION SEQUENCE SEE SHEETS CE101 THROUGH CE105.
3. SEED AND MULCHING SHALL BE COVERED UNDER ITEM 209.1003 (ADD ON #1).
4. SEDIMENT TRAP SHALL BE RESTORED TO THE ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 OF THE DESIGN DEPTH OF TRAPS I-III, AND 1/3 THE DEPTH FOR TRAP IV. SEDIMENT REMOVED FROM THE TRAP SHALL BE DEPOSITED IN A PROTECTED AREA IN SUCH A MANNER THAT IT WILL NOT ERODE.
5. THE SEDIMENT TRAP EMBANKMENT SHALL BE STABILIZED WITH SEED AND MULCH AS SOON AS IT IS COMPLETED.
6. ALL EROSION CONTROL MEASURES SHOWN ON THIS PLAN ARE INCLUDED UNDER ADD ON #1

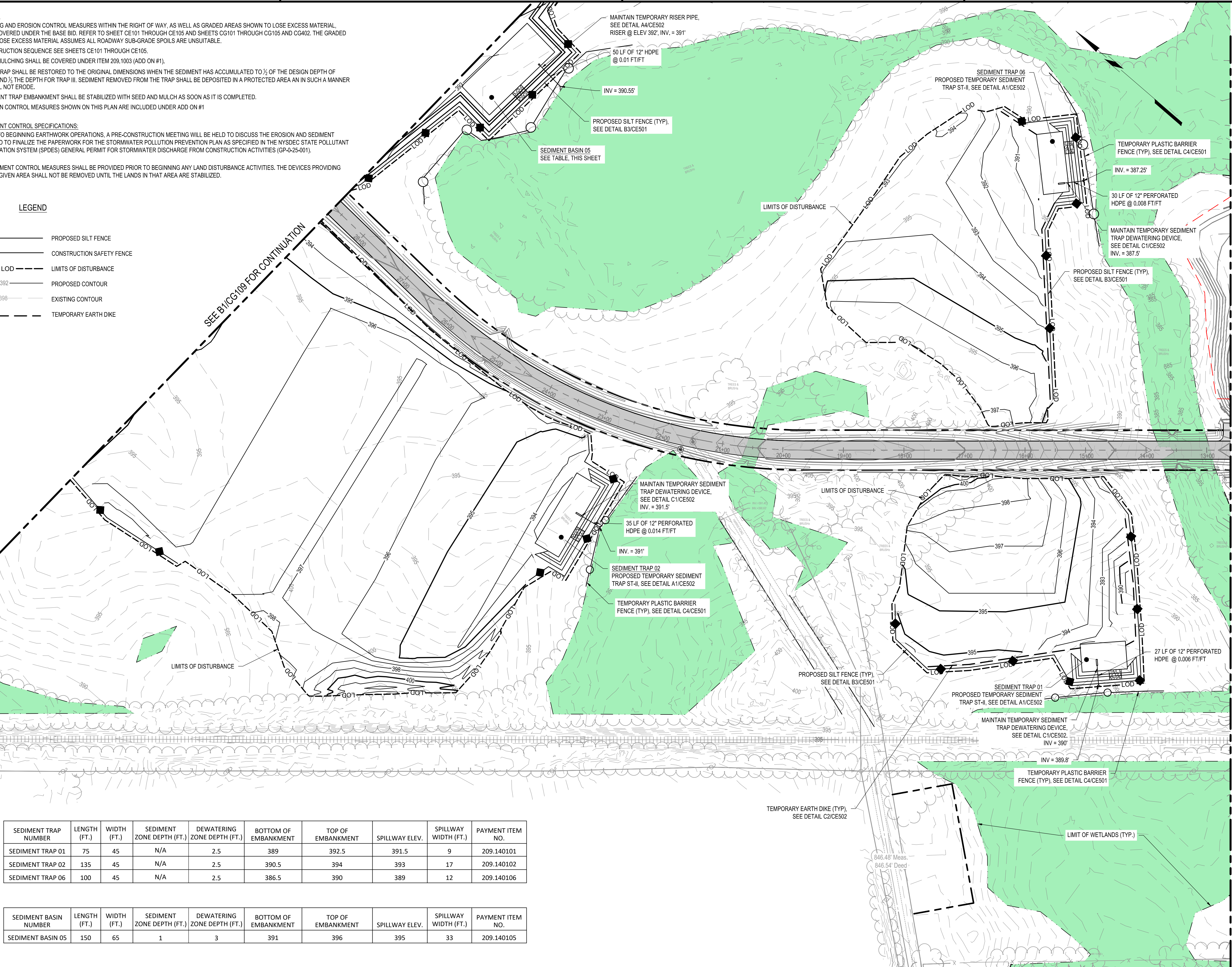
EROSION & SEDIMENT CONTROL SPECIFICATIONS:

ONE WEEK PRIOR TO BEGINNING EARTHWORK OPERATIONS, A PRE-CONSTRUCTION MEETING WILL BE HELD TO DISCUSS THE EROSION AND SEDIMENT CONTROL PLAN AND TO FINALIZE THE PAPERWORK FOR THE STORMWATER POLLUTION PREVENTION PLAN AS SPECIFIED IN THE NYSDEC STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES) GENERAL PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES (GP-9-25-001).

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROVIDED PRIOR TO BEGINNING ANY LAND DISTURBANCE ACTIVITIES. THE DEVICES PROVIDING PROTECTION TO A GIVEN AREA SHALL NOT BE REMOVED UNTIL THE LANDS IN THAT AREA ARE STABILIZED.

LEGEND

- ◆— PROPOSED SILT FENCE
- CONSTRUCTION SAFETY FENCE
- - - LOD
- - - 392
- - - 398
- - - EXISTING CONTOUR
- - - TEMPORARY EARTH DIKE



SEDIMENT TRAP NUMBER	LENGTH (FT.)	WIDTH (FT.)	SEDIMENT ZONE DEPTH (FT.)	DEWATERING ZONE DEPTH (FT.)	BOTTOM OF EMBANKMENT	TOP OF EMBANKMENT	SPILLWAY ELEV.	SPILLWAY WIDTH (FT.)	PAYMENT ITEM NO.
SEDIMENT TRAP 01	75	45	N/A	2.5	389	392.5	391.5	9	209.140101
SEDIMENT TRAP 02	135	45	N/A	2.5	390.5	394	393	17	209.140102
SEDIMENT TRAP 06	100	45	N/A	2.5	386.5	390	389	12	209.140106

SEDIMENT BASIN NUMBER	LENGTH (FT.)	WIDTH (FT.)	SEDIMENT ZONE DEPTH (FT.)	DEWATERING ZONE DEPTH (FT.)	BOTTOM OF EMBANKMENT	TOP OF EMBANKMENT	SPILLWAY ELEV.	SPILLWAY WIDTH (FT.)	PAYMENT ITEM NO.
SEDIMENT BASIN 05	150	65	1	3	391	396	395	33	209.140105



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COUNTY OF OSWEGO INDUSTRIAL DEVELOPMENT AGENCY

**OSWEGO COUNTY - INDUSTRIAL  
 PARK INFRASTRUCTURE  
 EXPANSION PROJECT  
 112 HARRIS DRIVE  
 PHOENIX, NY 13135**

MARK	DATE	DESCRIPTION
REVISIONS		
	PROJECT NO:	180.272.001
	DATE:	MAY 2026
	DRAWN BY:	M. MARCHEWKA
	DESIGNED BY:	M. MARCHEWKA
	CHECKED BY:	K. GRAHAM, P.E.
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

**LOT GRADING AND  
 EROSION CONTROL  
 PLAN (ADD ON #1)**

**CG108**

SHEET NO. 33 OF 73

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May 19, 2026 - 9:43am  
 P:\Project\180 - OSWEGO COUNTY\180272001 - O&P Expansion - Final Site Design\Design\CG108\Sheet\180272001\_CG108 LOT GRADING SERIES.dwg

**A1 LOT GRADING AND EROSION CONTROL PLAN (ADD ON #1)**

SCALE: 1"=80'





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COUNTY OF OSWEGO INDUSTRIAL DEVELOPMENT AGENCY

**OSWEGO COUNTY - INDUSTRIAL  
PARK INFRASTRUCTURE  
EXPANSION PROJECT  
112 HARRIS DRIVE  
PHOENIX, NY 13135**

MARK	DATE	DESCRIPTION
REVISIONS		
		PROJECT NO: 180.272.001
		DATE: MAY 2026
		DRAWN BY: M. MARCHEWKA
		DESIGNED BY: M. MARCHEWKA
		CHECKED BY: K. GRAHAM, P.E.
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

**LOT GRADING AND  
EROSION CONTROL  
PLAN (ADD ON #1)**

**CG109**

SHEET NO. 34 OF 73

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**GENERAL NOTES:**

- ALL GRADING AND EROSION CONTROL MEASURES WITHIN THE RIGHT OF WAY, AS WELL AS GRADED AREAS SHOWN TO LOSE EXCESS MATERIAL, SHALL BE COVERED UNDER THE BASE BID. REFER TO SHEET CE101 THROUGH CE105 AND SHEETS CG101 THROUGH CG105 AND CG402. THE GRADED AREAS TO LOSE EXCESS MATERIAL ASSUMES ALL ROADWAY SUB-GRADE SPOILS ARE UNSUITABLE.
- FOR CONSTRUCTION SEQUENCE SEE SHEETS CE101 THROUGH CE105.
- SEED AND MULCHING SHALL BE COVERED UNDER ITEM 209.1003 (ADD ON #1).
- SEDIMENT TRAP SHALL BE RESTORED TO THE ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 2/3 OF THE DESIGN DEPTH OF TRAPS II, AND 1/2 THE DEPTH FOR TRAP III. SEDIMENT REMOVED FROM THE TRAP SHALL BE DEPOSITED IN A PROTECTED AREA IN SUCH A MANNER THAT IT WILL NOT ERODE.
- THE SEDIMENT TRAP EMBANKMENT SHALL BE STABILIZED WITH SEED AND MULCH AS SOON AS IT IS COMPLETED.
- ALL EROSION CONTROL MEASURES SHOWN ON THIS PLAN ARE INCLUDED UNDER ADD ON #1

**EROSION & SEDIMENT CONTROL SPECIFICATIONS:**  
ONE WEEK PRIOR TO BEGINNING EARTHWORK OPERATIONS, A PRE-CONSTRUCTION MEETING WILL BE HELD TO DISCUSS THE EROSION AND SEDIMENT CONTROL PLAN AND TO FINALIZE THE PAPERWORK FOR THE STORMWATER POLLUTION PREVENTION PLAN AS SPECIFIED IN THE NYSDEC STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES) GENERAL PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES (GP-0-25-001).

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROVIDED PRIOR TO BEGINNING ANY LAND DISTURBANCE ACTIVITIES. THE DEVICES PROVIDING PROTECTION TO A GIVEN AREA SHALL NOT BE REMOVED UNTIL THE LANDS IN THAT AREA ARE STABILIZED.

**LEGEND**

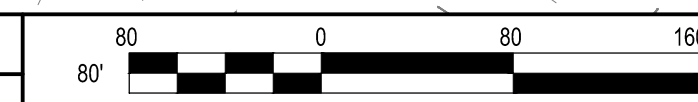
- ◆ PROPOSED SILT FENCE
- CONSTRUCTION SAFETY FENCE
- LOD
- 392 PROPOSED CONTOUR
- 398 EXISTING CONTOUR
- TEMPORARY EARTH DIKE

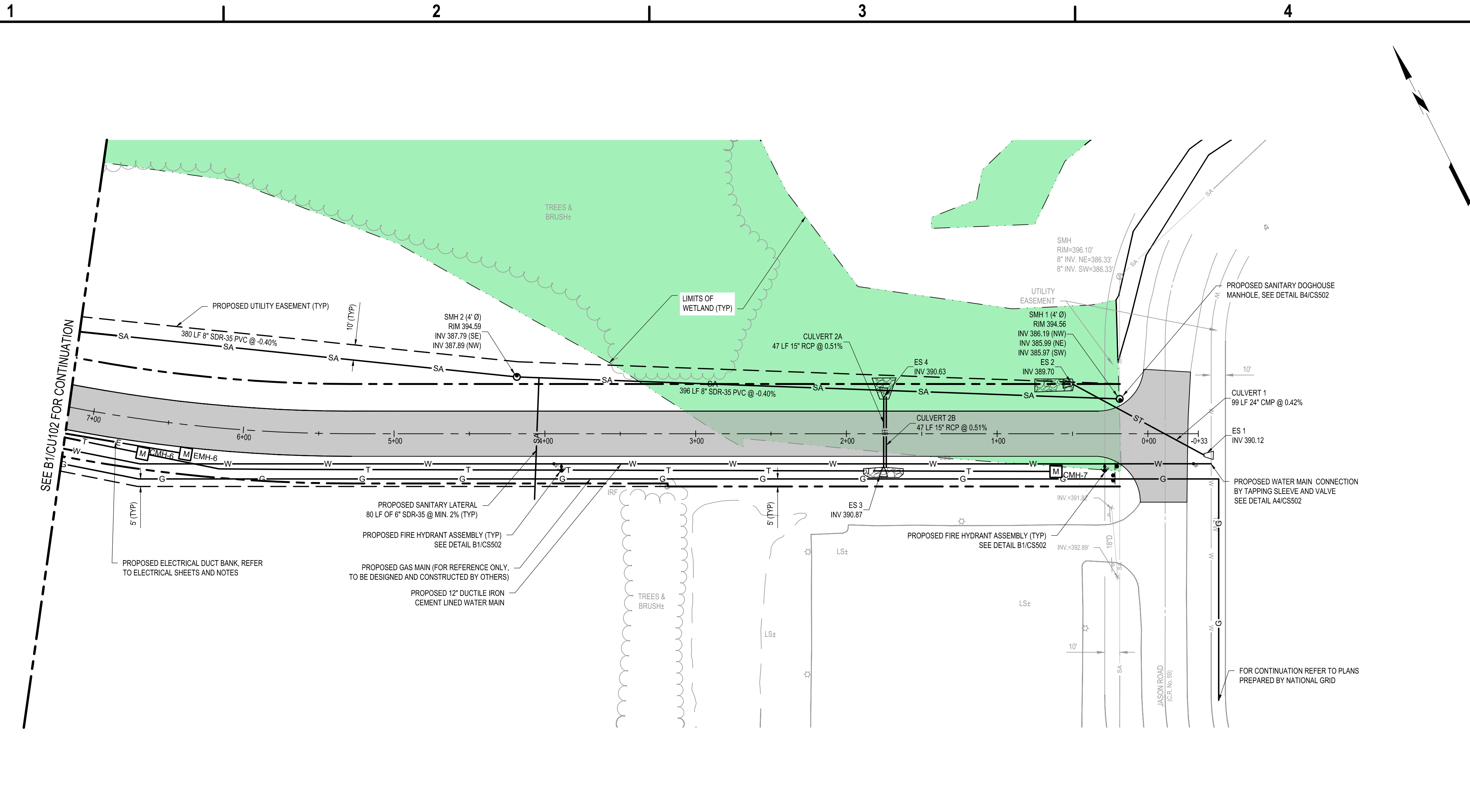
SEDIMENT BASIN NUMBER	LENGTH (FT.)	WIDTH (FT.)	SEDIMENT ZONE DEPTH (FT.)	DEWATERING ZONE DEPTH (FT.)	BOTTOM OF EMBANKMENT	TOP OF EMBANKMENT	SPILLWAY ELEV.	SPILLWAY WIDTH (FT.)	PAYMENT ITEM NO.
SEDIMENT BASIN 03	260	80	1	3	389	394	393	(2) 30	209.140103
SEDIMENT BASIN 04	150	75	1	3	394	399	398	38	209.140104

May 19, 2026 - 9:40am  
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**A1 LOT GRADING AND EROSION CONTROL PLAN (ADD ON #1)**

SCALE: 1" = 80'





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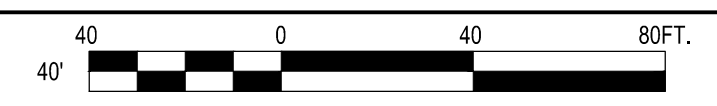


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COUNTY OF OSWEGO INDUSTRIAL DEVELOPMENT AGENCY

**OSWEGO COUNTY - INDUSTRIAL  
 PARK INFRASTRUCTURE  
 EXPANSION PROJECT  
 112 HARRIS DRIVE  
 PHOENIX, NY 13135**

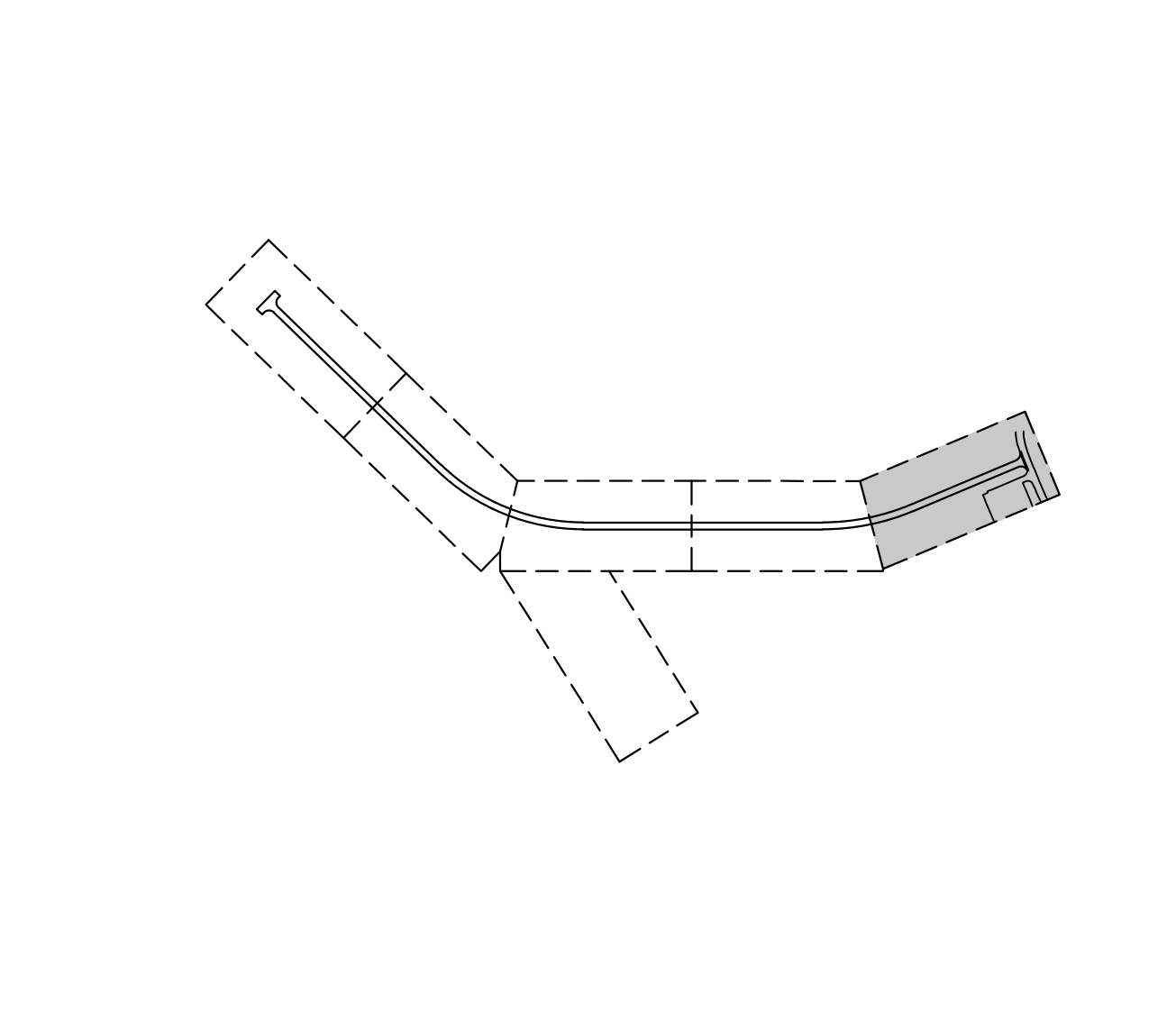
**B1** UTILITY PLAN  
 SCALE: 1" = 40'



- EASEMENT NOTES:**
- SANITARY SEWER AND DOMESTIC WATER EASEMENTS SHALL BE DEDICATED TO THE TOWN OF SCHROEPEL.
  - DRAINAGE EASEMENTS SHALL BE DEDICATED TO THE TOWN OF SCHROEPEL.
  - ELECTRICAL AND COMMUNICATION EASEMENTS SHALL BE DEDICATED TO NATIONAL GRID.
- WATER MAIN NOTES:**
- ALL PROPOSED WATER MAIN AND APPURTENANCES SHALL BE FLUSHED, PRESSURE TESTED AND CHLORINATED IN ACCORDANCE WITH AWWA C600 AND C651 (LATEST EDITION) WITH ACCEPTABLE RESULTS. RESULTS SHALL BE PROVIDED TO OSWEGO COUNTY HEALTH DEPARTMENT AND CERTIFIED PRIOR TO WATER MAIN BEING PLACED INTO SERVICE. THIS WORK SHALL BE PAID FOR UNDER ITEM 663.0112.
  - THE WATER MAIN PIPELINE AND APPURTENANCES SHALL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE AWWA STANDARD C600, C602, C604, OR C605 (MOST RECENT VERSION APPLICABLE).
  - THE WATER MAIN PIPELINE SHALL BE DISINFECTED EQUAL TO AWWA STANDARDS FOR DISINFECTING WATER MAINS DESIGNATIONS C-651 (LATEST REVISION). FOLLOWING DISINFECTION, THE WATER MAIN PIPELINE SHALL BE FLUSHED UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE MAIN IS NO HIGHER THAN THAT GENERALLY PREVAILING IN THE SYSTEM. ALL WATER MAIN PIPE FITTINGS NOT RECEIVING 24-HOUR CHLORINE DISINFECTION CONTACT TIME MUST BE SWAB-DISINFECTED 30 MINUTES PRIOR TO INSTALLATION. THE SAMPLE POINT(S) MUST BE DECONTAMINATED BY FLAMING. FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING POINTS. COST OF ALL PRESSURE TESTING AND DISINFECTION SHALL BE INCLUDED IN THE APPROPRIATE WATER MAIN ITEM 663.01XX.
  - FOR DURING AND AFTER PIPE INSTALLATION, SEE UTILITY TRENCH AND SURFACE RESTORATION DETAILS ON SHEETS CE501 AND CS503 RESPECTIVELY.
  - ALL WATER MAIN TO BE DUCTILE IRON CEMENT LINED (D.I.C.L.) CLASS 52, UNLESS OTHERWISE NOTED.
  - HYDRANT LATERAL TO BE DUCTILE IRON CEMENT LINED (D.I.C.L.) CLASS 52, UNLESS OTHERWISE NOTED.
  - PROPOSED D.I.C.L. CLASS 52 WATER MAIN CAN BE DEFLECTED A MAXIMUM OF 5 DEGREES. ALLOWED PIPE BENDS ARE 90, 45, 22.5 AND 11.25 DEGREES.
  - ALL 18" HDPE CASING PIPE, INCLUDING CAP ON BOTH SIDES, FOR FUTURE WATER SERVICE SHALL BE PAID FOR UNDER ITEM 603.94001807.

- SEE SHEET CU206 THROUGH CU210 FOR WATER MAIN HORIZONTAL FITTINGS.
  - REFER TO STANDARD SHEET 633-01 FOR WATER MAIN INSTALLATION UNDER NON-PAVED SURFACE.
  - ALL DUCTILE IRON PIPE SHALL BE THICKNESS CLASS 52, PRESSURE CLASS 350, WITH DOUBLE CEMENT LINING (1/2 INCH).
  - ALL FITTINGS SHALL BE MECHANICALLY RESTRAINED WITH MEGALUG 1100 (OR APPROVED EQUAL) AND SHALL HAVE A MINIMUM COVER DEPTH OF FIVE FEET.
  - ALL FITTINGS SHALL BE DUCTILE IRON AND HAVE DOUBLE CEMENT LINING (1/2 INCH).
  - SHOP DRAWINGS OF ALL WATER MAIN AND APPURTENANCES SHALL BE SUBMITTED FOR APPROVAL A MINIMUM OF TWO WEEKS PRIOR TO START OF WORK.
  - REFER TO THE NYS DOT STANDARD SHEETS (633 SERIES) FOR ADDITIONAL WATER MAIN INSTALLATION DETAILS AND NOTES.
  - ALL PROPOSED SLEEVES FOR WATER SERVICES SHALL EXTEND 5'-10" BEYOND THE PROPOSED SANITARY SEWER MAIN, WHERE APPLICABLE.
  - ALL WATER MAIN FITTINGS SHALL BE PAID FOR UNDER ITEM NO. 663.2002.
  - WATER MAIN INSTALLATION SHALL BE COMPLETED TO AWWA C600 "INSTALLATION OF DUCTILE IRON MAINS AND THEIR APPURTENANCES".
- SANITARY SEWER NOTES:**
- ALL SANITARY SEWER LATERALS SHALL EXTEND 5'-10" BEYOND THE OUTERMOST ADJACENT UTILITY, WHERE APPLICABLE.
- STORM SEWER NOTES:**
- REFER TO SHEET CU311 FOR CULVERT PROFILES.
- NATURAL GAS NOTES:**
- NATURAL GAS MAIN IS SHOWN FOR REFERENCE ONLY AND TO BE DESIGNED AND CONSTRUCTED BY OTHERS.
  - ALL 12" HDPE CASING PIPE, INCLUDING CAP ON BOTH SIDES, FOR FUTURE GAS SERVICE SHALL BE PAID FOR UNDER ITEM 603.94001207.

- LEGEND**
- PROPOSED ASPHALT PAVEMENT
  - PROPOSED RIGHT OF WAY
  - PROPOSED UTILITY EASEMENT
  - SA PROPOSED SANITARY PIPE
  - ST PROPOSED STORM PIPE
  - G PROPOSED GAS MAIN
  - W PROPOSED WATER MAIN
  - E PROPOSED ELECTRIC LINE
  - PROPOSED FLARED END SECTION
  - PROPOSED SANITARY MANHOLE
  - PROPOSED WATER VALVE
  - PROPOSED FIRE HYDRANT ASSEMBLY



**A1** SHEET NOTES  
 SCALE: NOT TO SCALE

**A3** LEGEND  
 SCALE: NOT TO SCALE

**A4** KEY MAP  
 SCALE: NOT TO SCALE

MARK	DATE	DESCRIPTION
REVISIONS		
	PROJECT NO:	180.272.001
	DATE:	MAY 2026
	DRAWN BY:	M. MARCHEWKA
	DESIGNED BY:	M. MARCHEWKA
	CHECKED BY:	K. GRAHAM, P.E.
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

**UTILITY PLAN**

**CU101**  
 SHEET NO. 35 OF 73



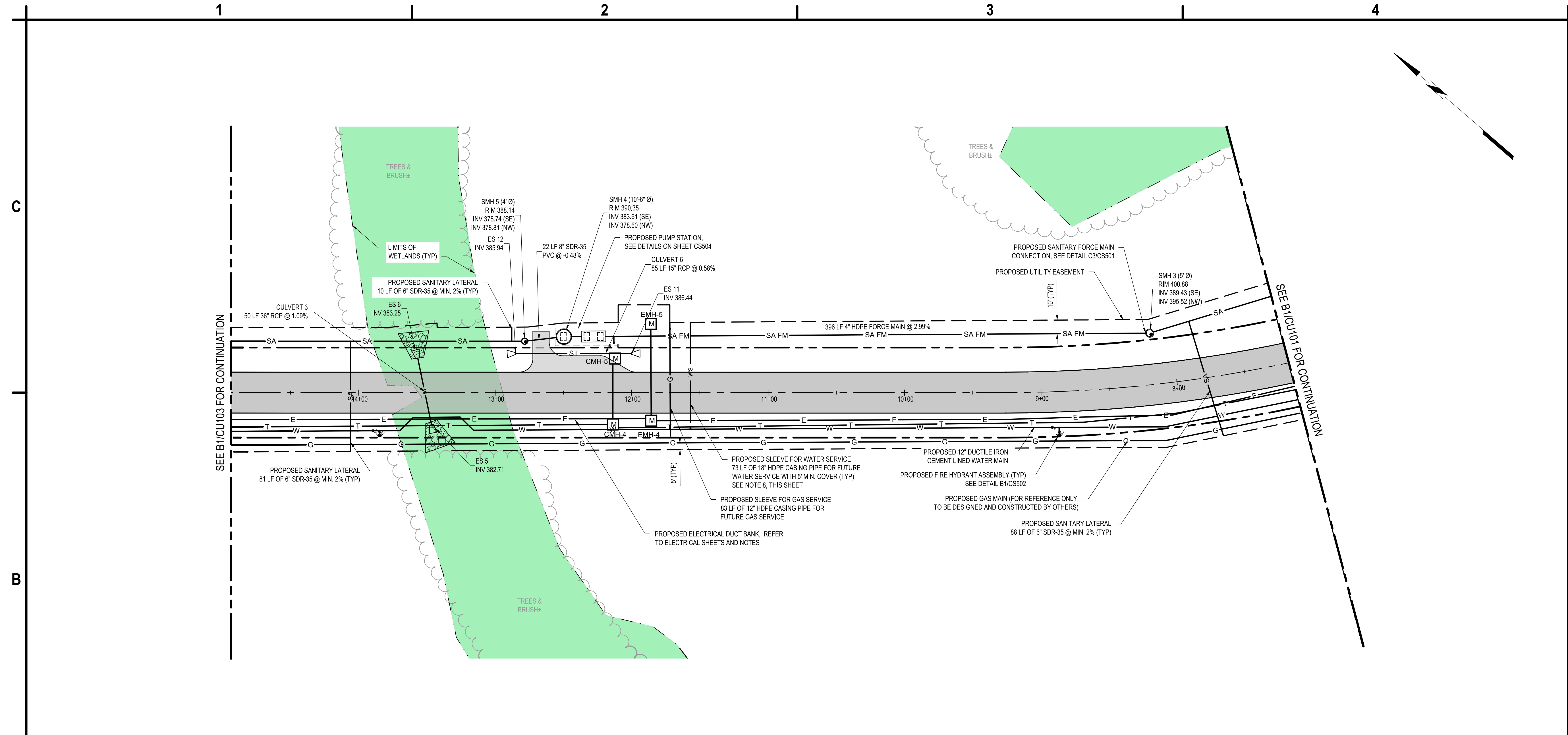
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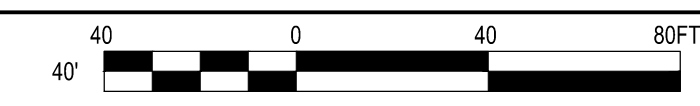
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COUNTY OF OSWEGO INDUSTRIAL DEVELOPMENT AGENCY

**OSWEGO COUNTY - INDUSTRIAL  
 PARK INFRASTRUCTURE  
 EXPANSION PROJECT  
 112 HARRIS DRIVE  
 PHOENIX, NY 13135**



**B1 UTILITY PLAN**  
 SCALE: 1" = 40'



- EASEMENT NOTES:**
- SANITARY SEWER AND DOMESTIC WATER EASEMENTS SHALL BE DEDICATED TO THE TOWN OF SCHROEPEL.
  - DRAINAGE EASEMENTS SHALL BE DEDICATED TO THE TOWN OF SCHROEPEL.
  - ELECTRICAL AND COMMUNICATION EASEMENTS SHALL BE DEDICATED TO NATIONAL GRID.

- WATER MAIN NOTES:**
- ALL PROPOSED WATER MAIN AND APPURTENANCES SHALL BE FLUSHED, PRESSURE TESTED AND CHLORINATED IN ACCORDANCE WITH AWWA C600 AND C651 (LATEST EDITION) WITH ACCEPTABLE RESULTS. RESULTS SHALL BE PROVIDED TO OSWEGO COUNTY HEALTH DEPARTMENT AND CERTIFIED PRIOR TO WATER MAIN BEING PLACED INTO SERVICE. THIS WORK SHALL BE PAID FOR UNDER ITEM 663.0112.
  - THE WATER MAIN PIPELINE AND APPURTENANCES SHALL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE AWWA STANDARD C600, C602, C604, OR C605 (MOST RECENT VERSION APPLICABLE).
  - THE WATER MAIN PIPELINE SHALL BE DISINFECTED EQUAL TO AWWA STANDARDS FOR DISINFECTING WATER MAINS DESIGNATIONS C-651 (LATEST REVISION). FOLLOWING DISINFECTION, THE WATER MAIN PIPELINE SHALL BE FLUSHED UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE MAIN IS NO HIGHER THAN THAT GENERALLY PREVAILING IN THE SYSTEM. ALL WATER MAIN PIPE FITTINGS NOT RECEIVING 24-HOUR CHLORINE DISINFECTION CONTACT TIME MUST BE SWAB-DISINFECTED 30 MINUTES PRIOR TO INSTALLATION. THE SAMPLE POINT(S) MUST BE DECONTAMINATED BY FLAMING. FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING POINTS. COST OF ALL PRESSURE TESTING AND DISINFECTION SHALL BE INCLUDED IN THE APPROPRIATE WATER MAIN ITEM 663.01XX.
  - FOR DURING AND AFTER PIPE INSTALLATION, SEE UTILITY TRENCH AND SURFACE RESTORATION DETAILS ON SHEETS CE501 AND CS503 RESPECTIVELY.
  - ALL WATER MAIN TO BE DUCTILE IRON CEMENT LINED (D.I.C.L.) CLASS 52, UNLESS OTHERWISE NOTED.
  - HYDRANT LATERAL TO BE DUCTILE IRON CEMENT LINED (D.I.C.L.) CLASS 52, UNLESS OTHERWISE NOTED.
  - PROPOSED D.I.C.L. CLASS 52 WATER MAIN CAN BE DEFLECTED A MAXIMUM OF 5 DEGREES. ALLOWED PIPE BENDS ARE 90, 45, 22.5 AND 11.25 DEGREES.
  - ALL 18" HDPE CASING PIPE, INCLUDING CAP ON BOTH SIDES, FOR FUTURE WATER SERVICE SHALL BE PAID FOR UNDER ITEM 603.94001807.

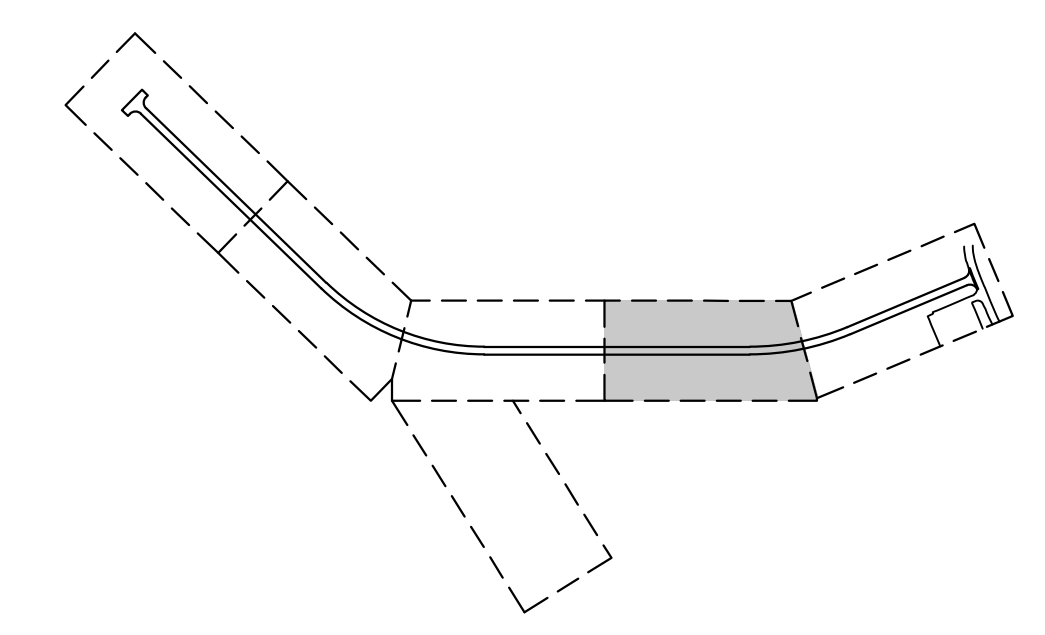
- SEE SHEET CU206 THROUGH CU210 FOR WATER MAIN HORIZONTAL FITTINGS.
- REFER TO STANDARD SHEET 633-01 FOR WATER MAIN INSTALLATION UNDER NON-PAVED SURFACE.
- ALL DUCTILE IRON PIPE SHALL BE THICKNESS CLASS 52, PRESSURE CLASS 350, WITH DOUBLE CEMENT LINING (1/2 INCH).
- ALL FITTINGS SHALL BE MECHANICALLY RESTRAINED WITH MEGALUG 1100 (OR APPROVED EQUAL) AND SHALL HAVE A MINIMUM COVER DEPTH OF FIVE FEET.
- ALL FITTINGS SHALL BE DUCTILE IRON AND HAVE DOUBLE CEMENT LINING (1/2 INCH).
- SHOP DRAWINGS OF ALL WATER MAIN AND APPURTENANCES SHALL BE SUBMITTED FOR APPROVAL A MINIMUM OF TWO WEEKS PRIOR TO START OF WORK.
- REFER TO THE NYS DOT STANDARD SHEETS (633 SERIES) FOR ADDITIONAL WATER MAIN INSTALLATION DETAILS AND NOTES.
- ALL PROPOSED SLEEVES FOR WATER SERVICES SHALL EXTEND 5'-10" BEYOND THE PROPOSED SANITARY SEWER MAIN, WHERE APPLICABLE.
- ALL WATER MAIN FITTINGS SHALL BE PAID FOR UNDER ITEM NO. 663.2002.
- WATER MAIN INSTALLATION SHALL BE COMPLETED TO AWWA C600 "INSTALLATION OF DUCTILE IRON MAINS AND THEIR APPURTENANCES".

- SANITARY SEWER NOTES:**
- ALL SANITARY SEWER LATERALS SHALL EXTEND 5'-10" BEYOND THE OUTERMOST ADJACENT UTILITY, WHERE APPLICABLE.

- STORM SEWER NOTES:**
- REFER TO SHEET CU311 FOR CULVERT PROFILES.

- NATURAL GAS NOTES:**
- NATURAL GAS MAIN IS SHOWN FOR REFERENCE ONLY AND TO BE DESIGNED AND CONSTRUCTED BY OTHERS.
  - ALL 12" HDPE CASING PIPE, INCLUDING CAP ON BOTH SIDES, FOR FUTURE GAS SERVICE SHALL BE PAID FOR UNDER ITEM 603.94001207.

- |  |                                      |  |                                |
|--|--------------------------------------|--|--------------------------------|
|  | PROPOSED ASPHALT PAVEMENT            |  | PROPOSED FLARED END SECTION    |
|  | PROPOSED LIGHT DUTY ASPHALT PAVEMENT |  | PROPOSED SANITARY MANHOLE      |
|  | PROPOSED RIGHT OF WAY                |  | PROPOSED WATER VALVE           |
|  | PROPOSED UTILITY EASEMENT            |  | PROPOSED FIRE HYDRANT ASSEMBLY |
|  | PROPOSED SANITARY PIPE               |  |                                |
|  | PROPOSED SANITARY FORCE MAIN         |  |                                |
|  | PROPOSED STORM SEWER                 |  |                                |
|  | PROPOSED GAS MAIN                    |  |                                |
|  | PROPOSED WATER MAIN                  |  |                                |
|  | PROPOSED SLEEVE FOR WATER SERVICE    |  |                                |
|  | PROPOSED ELECTRIC LINE               |  |                                |



**A1 SHEET NOTES**  
 SCALE: NOT TO SCALE

**A3 LEGEND**  
 SCALE: NOT TO SCALE

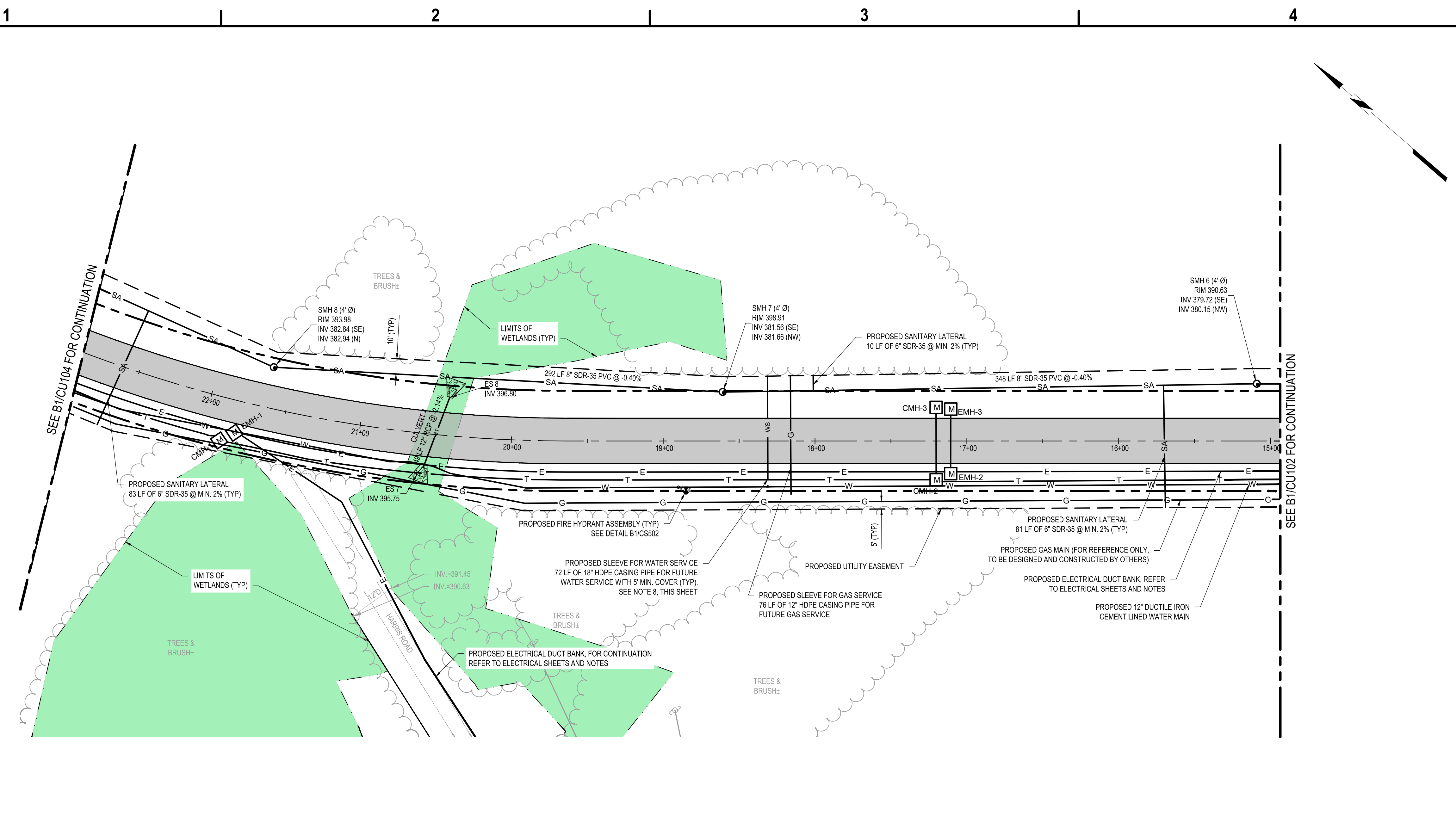
**A4 KEY MAP**  
 SCALE: NOT TO SCALE

MARK	DATE	DESCRIPTION
REVISIONS		
	PROJECT NO:	180.272.001
	DATE:	MAY 2026
	DRAWN BY:	M. MARCHEWKA
	DESIGNED BY:	M. MARCHEWKA
	CHECKED BY:	K. GRAHAM, P.E.
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

**UTILITY PLAN**

**CU102**  
 SHEET NO. 36 OF 73

May 19, 2026 - 9:40am  
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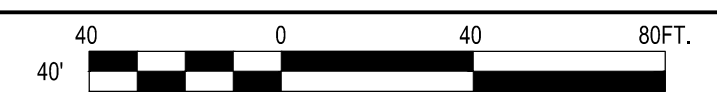
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COUNTY OF OSWEGO INDUSTRIAL DEVELOPMENT AGENCY

**OSWEGO COUNTY - INDUSTRIAL  
 PARK INFRASTRUCTURE  
 EXPANSION PROJECT  
 112 HARRIS DRIVE  
 PHOENIX, NY 13135**

**B1 UTILITY PLAN**

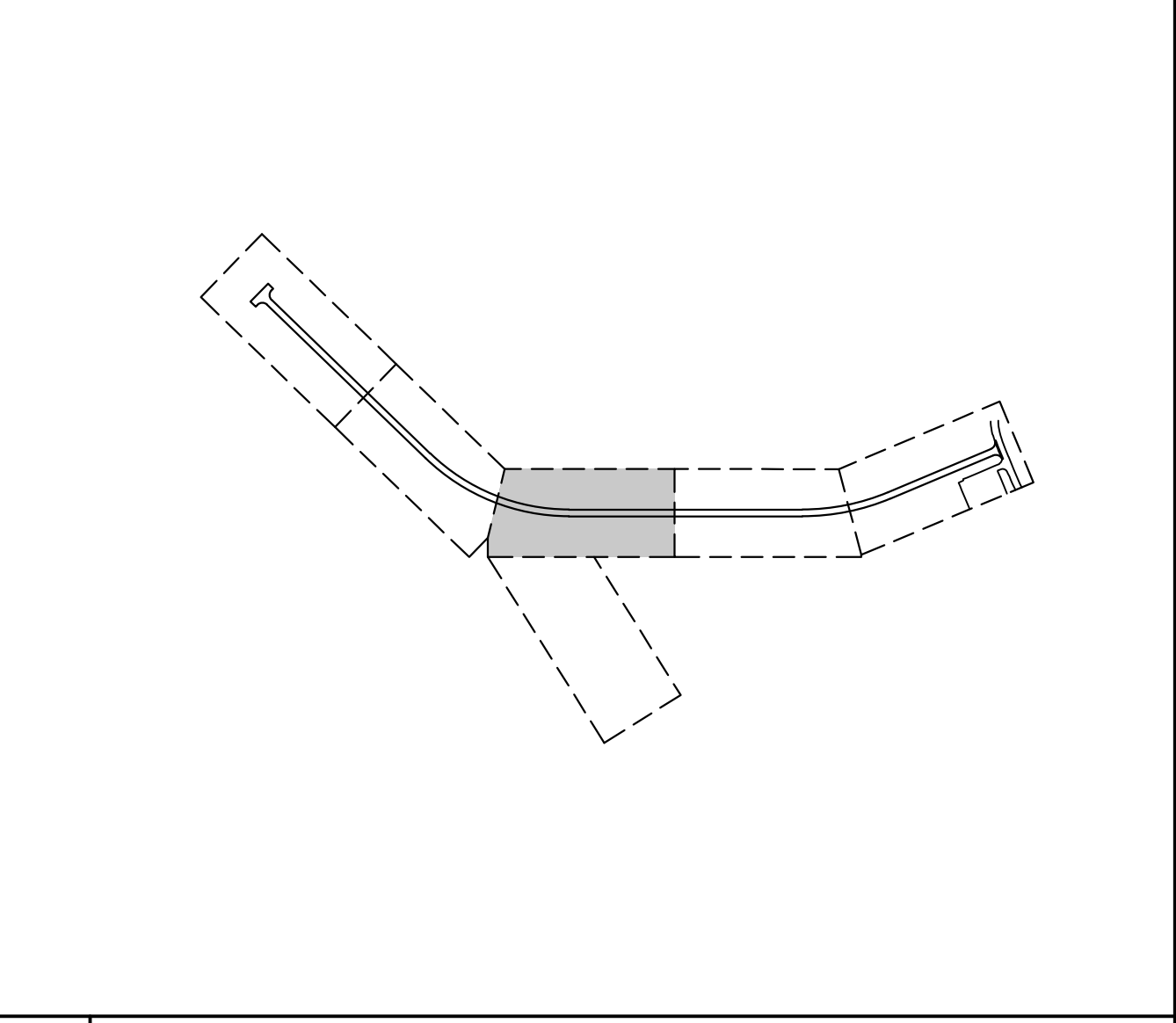
SCALE: 1" = 40'



- EASEMENT NOTES:**
- SANITARY SEWER AND DOMESTIC WATER EASEMENTS SHALL BE DEDICATED TO THE TOWN OF SCHROEPEL.
  - DRAINAGE EASEMENTS SHALL BE DEDICATED TO THE TOWN OF SCHROEPEL.
  - ELECTRICAL AND COMMUNICATION EASEMENTS SHALL BE DEDICATED TO NATIONAL GRID.
- WATER MAIN NOTES:**
- ALL PROPOSED WATER MAIN AND APPURTENANCES SHALL BE FLUSHED, PRESSURE TESTED AND CHLORINATED IN ACCORDANCE WITH AWWA C600 AND C651 (LATEST EDITION) WITH ACCEPTABLE RESULTS. RESULTS SHALL BE PROVIDED TO OSWEGO COUNTY HEALTH DEPARTMENT AND CERTIFIED PRIOR TO WATER MAIN BEING PLACED INTO SERVICE. THIS WORK SHALL BE PAID FOR UNDER ITEM 663.0112.
  - THE WATER MAIN PIPELINE AND APPURTENANCES SHALL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE AWWA STANDARD C600, C602, C604, OR C605 (MOST RECENT VERSION APPLICABLE).
  - THE WATER MAIN PIPELINE SHALL BE DISINFECTED EQUAL TO AWWA STANDARDS FOR DISINFECTING WATER MAINS DESIGNATIONS C-651 (LATEST REVISION). FOLLOWING DISINFECTION, THE WATER MAIN PIPELINE SHALL BE FLUSHED UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE MAIN IS NO HIGHER THAN THAT GENERALLY PREVAILING IN THE SYSTEM. ALL WATER MAIN PIPE FITTINGS NOT RECEIVING 24-HOUR CHLORINE DISINFECTION CONTACT TIME MUST BE SWAB-DISINFECTED 30 MINUTES PRIOR TO INSTALLATION. THE SAMPLE POINT(S) MUST BE DECONTAMINATED BY FLAMING. FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING POINTS. COST OF ALL PRESSURE TESTING AND DISINFECTION SHALL BE INCLUDED IN THE APPROPRIATE WATER MAIN ITEM 663.01XX.
  - FOR DURING AND AFTER PIPE INSTALLATION, SEE UTILITY TRENCH AND SURFACE RESTORATION DETAILS ON SHEETS CE501 AND CS503 RESPECTIVELY.
  - ALL WATER MAIN TO BE DUCTILE IRON CEMENT LINED (D.I.C.L.) CLASS 52, UNLESS OTHERWISE NOTED.
  - HYDRANT LATERAL TO BE DUCTILE IRON CEMENT LINED (D.I.C.L.) CLASS 52, UNLESS OTHERWISE NOTED.
  - PROPOSED D.I.C.L. CLASS 52 WATER MAIN CAN BE DEFLECTED A MAXIMUM OF 5 DEGREES. ALLOWED PIPE BENDS ARE 90, 45, 22.5 AND 11.25 DEGREES.
  - ALL 18" HDPE CASING PIPE, INCLUDING CAP ON BOTH SIDES, FOR FUTURE WATER SERVICE SHALL BE PAID FOR UNDER ITEM 603.94001807.
- SANITARY SEWER NOTES:**
- ALL SANITARY SEWER LATERALS SHALL EXTEND 5'-10' BEYOND THE OUTERMOST ADJACENT UTILITY, WHERE APPLICABLE.
- STORM SEWER NOTES:**
- REFER TO SHEET CU311 FOR CULVERT PROFILES.
- NATURAL GAS NOTES:**
- NATURAL GAS MAIN IS SHOWN FOR REFERENCE ONLY AND TO BE DESIGNED AND CONSTRUCTED BY OTHERS.
  - ALL 12" HDPE CASING PIPE, INCLUDING CAP ON BOTH SIDES, FOR FUTURE GAS SERVICE SHALL BE PAID FOR UNDER ITEM 603.94001207.

- SEE SHEET CU206 THROUGH CU210 FOR WATER MAIN HORIZONTAL FITTINGS.
- REFER TO STANDARD SHEET 633-01 FOR WATER MAIN INSTALLATION UNDER NON-PAVED SURFACE.
- ALL DUCTILE IRON PIPE SHALL BE THICKNESS CLASS 52, PRESSURE CLASS 350, WITH DOUBLE CEMENT LINING (1/2 INCH).
- ALL FITTINGS SHALL BE MECHANICALLY RESTRAINED WITH MEGALUG 1100 (OR APPROVED EQUAL) AND SHALL HAVE A MINIMUM COVER DEPTH OF FIVE FEET.
- ALL FITTINGS SHALL BE DUCTILE IRON AND HAVE DOUBLE CEMENT LINING (1/2 INCH).
- SHOP DRAWINGS OF ALL WATER MAIN AND APPURTENANCES SHALL BE SUBMITTED FOR APPROVAL A MINIMUM OF TWO WEEKS PRIOR TO START OF WORK.
- REFER TO THE NYS DOT STANDARD SHEETS (633 SERIES) FOR ADDITIONAL WATER MAIN INSTALLATION DETAILS AND NOTES.
- ALL PROPOSED SLEEVES FOR WATER SERVICES SHALL EXTEND 5'-10' BEYOND THE PROPOSED SANITARY SEWER MAIN, WHERE APPLICABLE.
- ALL WATER MAIN FITTINGS SHALL BE PAID FOR UNDER ITEM NO. 663.2002.
- WATER MAIN INSTALLATION SHALL BE COMPLETED TO AWWA C600 "INSTALLATION OF DUCTILE IRON MAINS AND THEIR APPURTENANCES".

- |  |                                   |  |                        |  |                                |
|--|-----------------------------------|--|------------------------|--|--------------------------------|
|  | PROPOSED ASPHALT PAVEMENT         |  | PROPOSED RIGHT OF WAY  |  | PROPOSED FLARED END SECTION    |
|  | PROPOSED UTILITY EASEMENT         |  | PROPOSED SANITARY PIPE |  | PROPOSED SANITARY MANHOLE      |
|  | PROPOSED STORM PIPE               |  | PROPOSED WATER VALVE   |  | PROPOSED FIRE HYDRANT ASSEMBLY |
|  | PROPOSED GAS MAIN                 |  |                        |  |                                |
|  | PROPOSED WATER MAIN               |  |                        |  |                                |
|  | PROPOSED SLEEVE FOR WATER SERVICE |  |                        |  |                                |
|  | PROPOSED ELECTRIC LINE            |  |                        |  |                                |



**A1 SHEET NOTES**

SCALE: NOT TO SCALE

**A3 LEGEND**

SCALE: NOT TO SCALE

**A4 KEY MAP**

SCALE: NOT TO SCALE

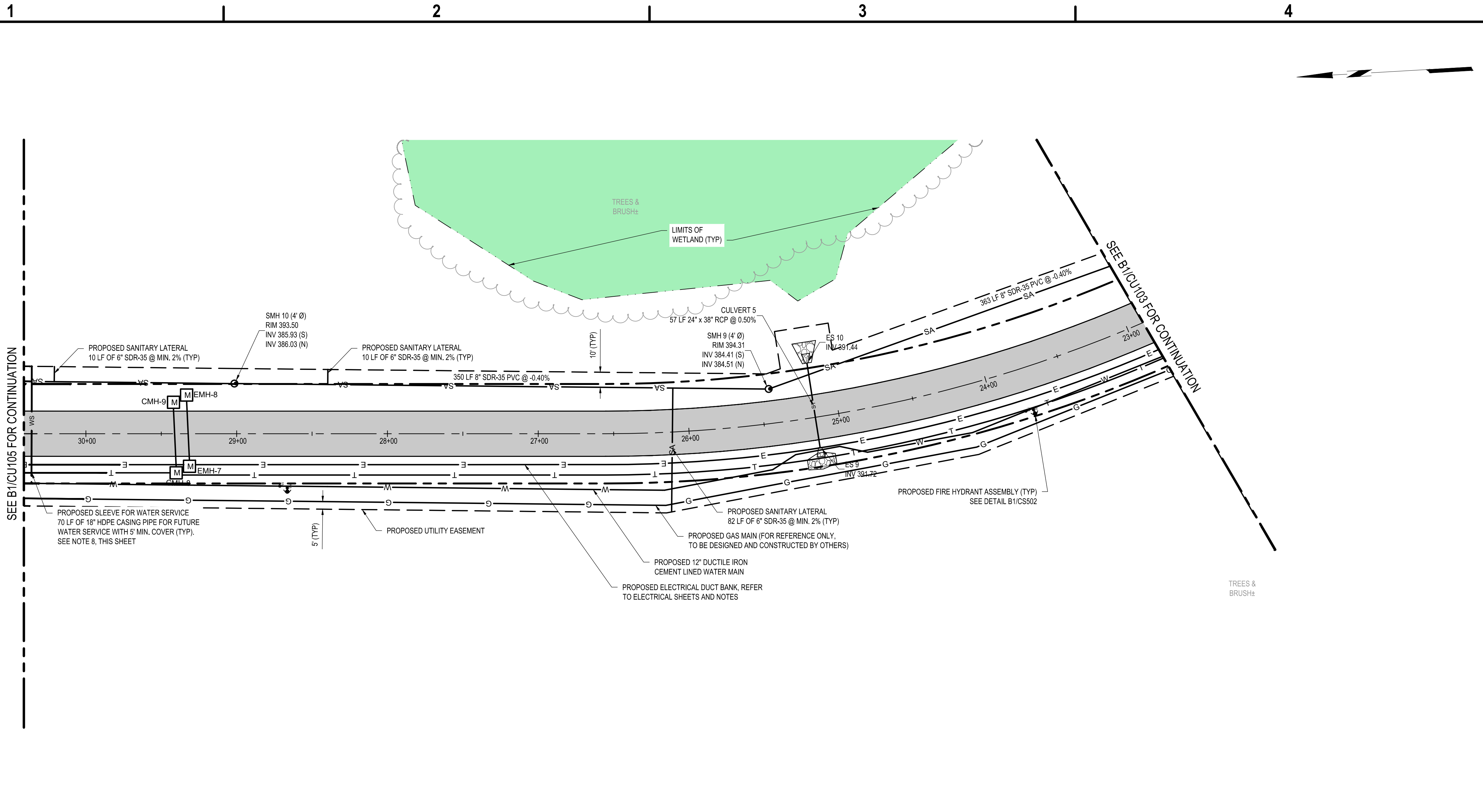
**UTILITY PLAN**

**CU103**

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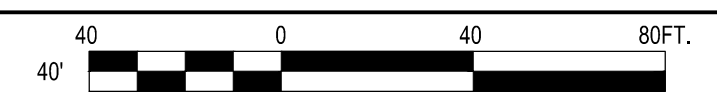


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**OSWEGO COUNTY - INDUSTRIAL  
 PARK INFRASTRUCTURE  
 EXPANSION PROJECT  
 112 HARRIS DRIVE  
 PHOENIX, NY 13135**

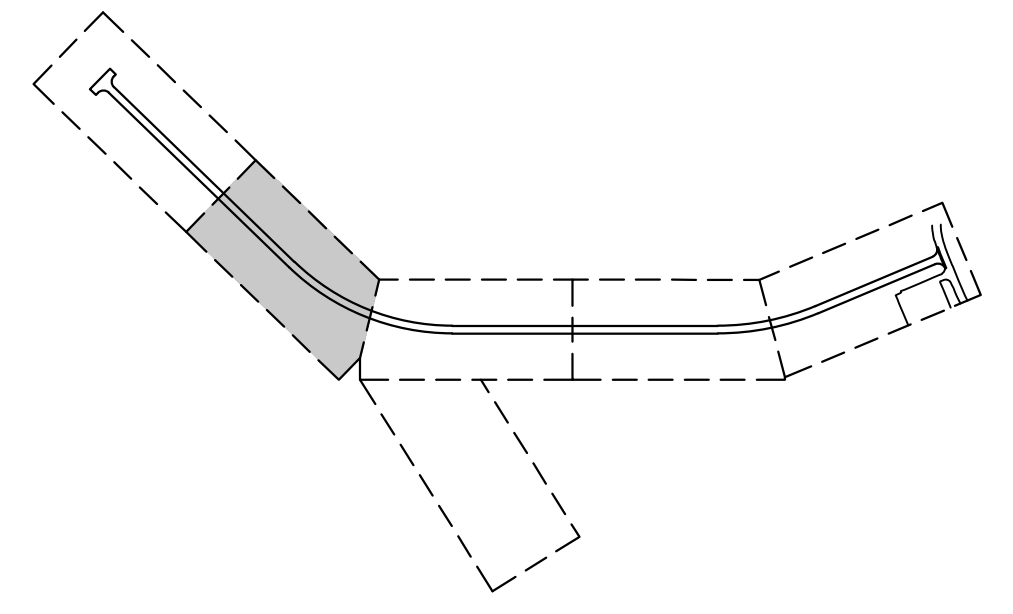
**B1** UTILITY PLAN  
 SCALE: 1" = 40'



- EASEMENT NOTES:**
- SANITARY SEWER AND DOMESTIC WATER EASEMENTS SHALL BE DEDICATED TO THE TOWN OF SCHROEPEL.
  - DRAINAGE EASEMENTS SHALL BE DEDICATED TO THE TOWN OF SCHROEPEL.
  - ELECTRICAL AND COMMUNICATION EASEMENTS SHALL BE DEDICATED TO NATIONAL GRID.
- WATER MAIN NOTES:**
- ALL PROPOSED WATER MAIN AND APPURTENANCES SHALL BE FLUSHED, PRESSURE TESTED AND CHLORINATED IN ACCORDANCE WITH AWWA C600 AND C651 (LATEST EDITION) WITH ACCEPTABLE RESULTS. RESULTS SHALL BE PROVIDED TO OSWEGO COUNTY HEALTH DEPARTMENT AND CERTIFIED PRIOR TO WATER MAIN BEING PLACED INTO SERVICE. THIS WORK SHALL BE PAID FOR UNDER ITEM 663.0112.
  - THE WATER MAIN PIPELINE AND APPURTENANCES SHALL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE AWWA STANDARD C600, C602, C604, OR C605 (MOST RECENT VERSION APPLICABLE).
  - THE WATER MAIN PIPELINE SHALL BE DISINFECTED EQUAL TO AWWA STANDARDS FOR DISINFECTING WATER MAINS DESIGNATIONS C-651 (LATEST REVISION). FOLLOWING DISINFECTION, THE WATER MAIN PIPELINE SHALL BE FLUSHED UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE MAIN IS NO HIGHER THAN THAT GENERALLY PREVAILING IN THE SYSTEM. ALL WATER MAIN PIPE FITTINGS NOT RECEIVING 24-HOUR CHLORINE DISINFECTION CONTACT TIME MUST BE SWAB-DISINFECTED 30 MINUTES PRIOR TO INSTALLATION. THE SAMPLE POINT(S) MUST BE DECONTAMINATED BY FLAMING. FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING POINTS. COST OF ALL PRESSURE TESTING AND DISINFECTION SHALL BE INCLUDED IN THE APPROPRIATE WATER MAIN ITEM 663.01XX.
  - FOR DURING AND AFTER PIPE INSTALLATION, SEE UTILITY TRENCH AND SURFACE RESTORATION DETAILS ON SHEETS CE501 AND CS503 RESPECTIVELY.
  - ALL WATER MAIN TO BE DUCTILE IRON CEMENT LINED (D.I.C.L.) CLASS 52, UNLESS OTHERWISE NOTED.
  - HYDRANT LATERAL TO BE DUCTILE IRON CEMENT LINED (D.I.C.L.) CLASS 52, UNLESS OTHERWISE NOTED.
  - PROPOSED D.I.C.L. CLASS 52 WATER MAIN CAN BE DEFLECTED A MAXIMUM OF 5 DEGREES. ALLOWED PIPE BENDS ARE 90, 45, 22.5 AND 11.25 DEGREES.
  - ALL 18" HDPE CASING PIPE, INCLUDING CAP ON BOTH SIDES, FOR FUTURE WATER SERVICE SHALL BE PAID FOR UNDER ITEM 603.94001807.

- SEE SHEET CU206 THROUGH CU210 FOR WATER MAIN HORIZONTAL FITTINGS.
  - REFER TO STANDARD SHEET 663-01 FOR WATER MAIN INSTALLATION UNDER NON-PAVED SURFACE.
  - ALL DUCTILE IRON PIPE SHALL BE THICKNESS CLASS 52, PRESSURE CLASS 350, WITH DOUBLE CEMENT LINING (1/2 INCH).
  - ALL FITTINGS SHALL BE MECHANICALLY RESTRAINED WITH MEGALUG 1100 (OR APPROVED EQUAL) AND SHALL HAVE A MINIMUM COVER DEPTH OF FIVE FEET.
  - ALL FITTINGS SHALL BE DUCTILE IRON AND HAVE DOUBLE CEMENT LINING (1/2 INCH).
  - SHOP DRAWINGS OF ALL WATER MAIN AND APPURTENANCES SHALL BE SUBMITTED FOR APPROVAL A MINIMUM OF TWO WEEKS PRIOR TO START OF WORK.
  - REFER TO THE NYS DOT STANDARD SHEETS (633 SERIES) FOR ADDITIONAL WATER MAIN INSTALLATION DETAILS AND NOTES.
  - ALL PROPOSED SLEEVES FOR WATER SERVICES SHALL EXTEND 5'-10" BEYOND THE PROPOSED SANITARY SEWER MAIN, WHERE APPLICABLE.
  - ALL WATER MAIN FITTINGS SHALL BE PAID FOR UNDER ITEM NO. 663.2002.
  - WATER MAIN INSTALLATION SHALL BE COMPLETED TO AWWA C600 "INSTALLATION OF DUCTILE IRON MAINS AND THEIR APPURTENANCES".
- SANITARY SEWER NOTES:**
- ALL SANITARY SEWER LATERALS SHALL EXTEND 5'-10" BEYOND THE OUTERMOST ADJACENT UTILITY, WHERE APPLICABLE.
- STORM SEWER NOTES:**
- REFER TO SHEET CU311 FOR CULVERT PROFILES.
- NATURAL GAS NOTES:**
- NATURAL GAS MAIN IS SHOWN FOR REFERENCE ONLY AND TO BE DESIGNED AND CONSTRUCTED BY OTHERS.
  - ALL 12" HDPE CASING PIPE, INCLUDING CAP ON BOTH SIDES, FOR FUTURE GAS SERVICE SHALL BE PAID FOR UNDER ITEM 603.94001207.

- PROPOSED ASPHALT PAVEMENT
- PROPOSED RIGHT OF WAY
- PROPOSED UTILITY EASEMENT
- PROPOSED SANITARY PIPE
- PROPOSED STORM PIPE
- PROPOSED GAS MAIN
- PROPOSED WATER MAIN
- PROPOSED SLEEVE FOR WATER SERVICE
- PROPOSED ELECTRIC LINE
- PROPOSED FLARED END SECTION
- PROPOSED SANITARY MANHOLE
- PROPOSED WATER VALVE
- PROPOSED FIRE HYDRANT ASSEMBLY



**A1** SHEET NOTES  
 SCALE: NOT TO SCALE

**A3** LEGEND  
 SCALE: NOT TO SCALE

**A4** KEY MAP  
 SCALE: NOT TO SCALE

MARK	DATE	DESCRIPTION
REVISIONS		
	PROJECT NO:	180.272.001
	DATE:	MAY 2026
	DRAWN BY:	M. MARCHEWKA
	DESIGNED BY:	M. MARCHEWKA
	CHECKED BY:	K. GRAHAM, P.E.
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

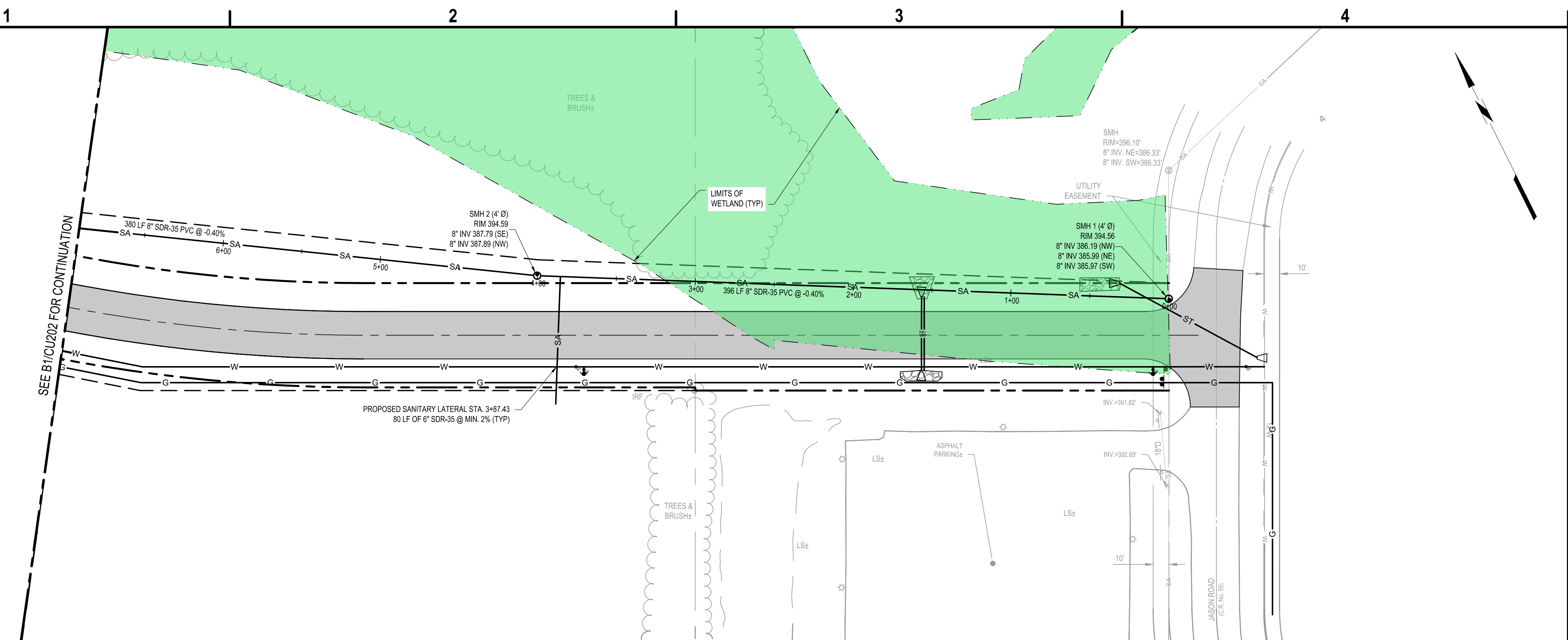
UTILITY PLAN

**CU104**

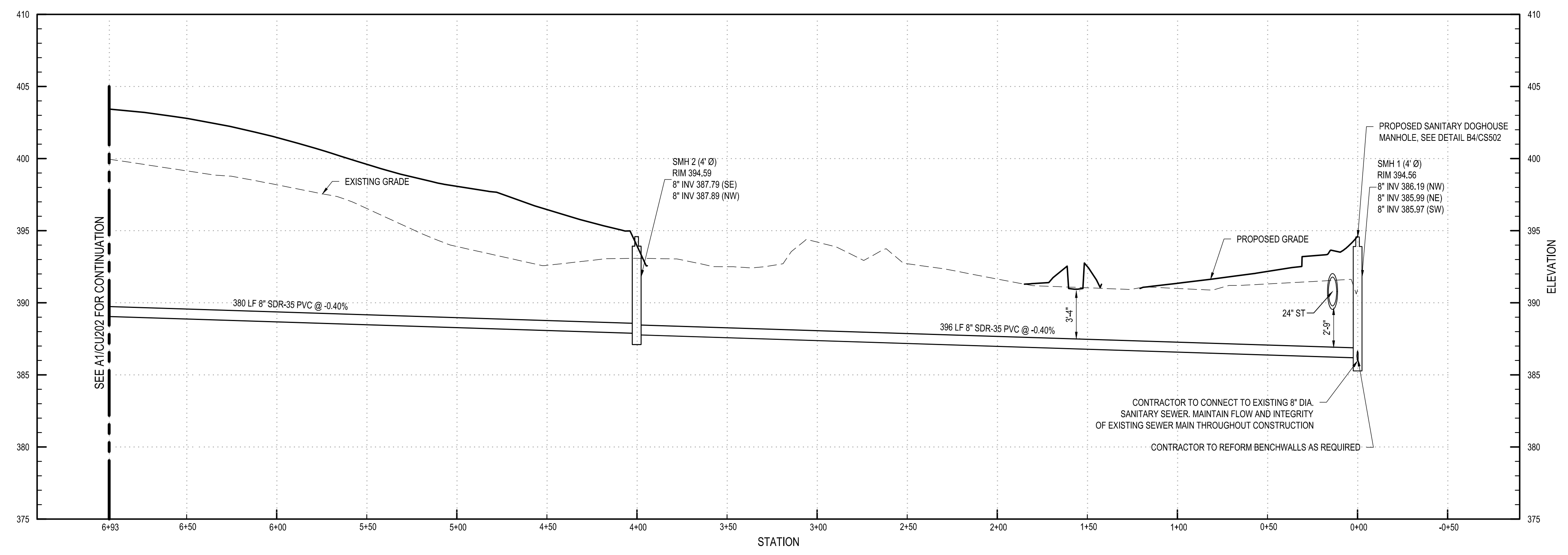
SHEET NO. 38 OF 73

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**B1** SANITARY PLAN  
SCALE: 1" = 40'



**A1** SANITARY PROFILE  
SCALE: H: 1" = 40' V: 1" = 4'



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PHOENIX, NY 13135**

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: 180.272.001		
DATE: MAY 2026		
DRAWN BY: M. MARCHEWKA		
DESIGNED BY: M. MARCHEWKA		
CHECKED BY: K. GRAHAM, P.E.		
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

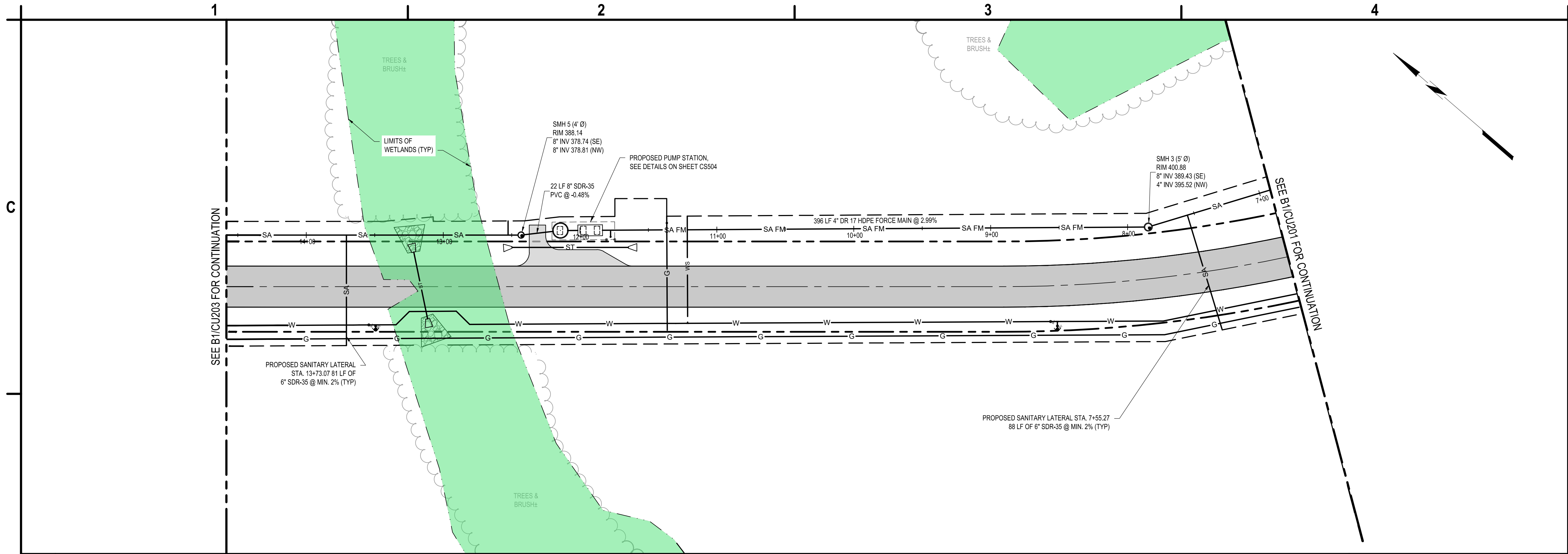
**SANITARY PLAN AND  
PROFILE**

**CU201**

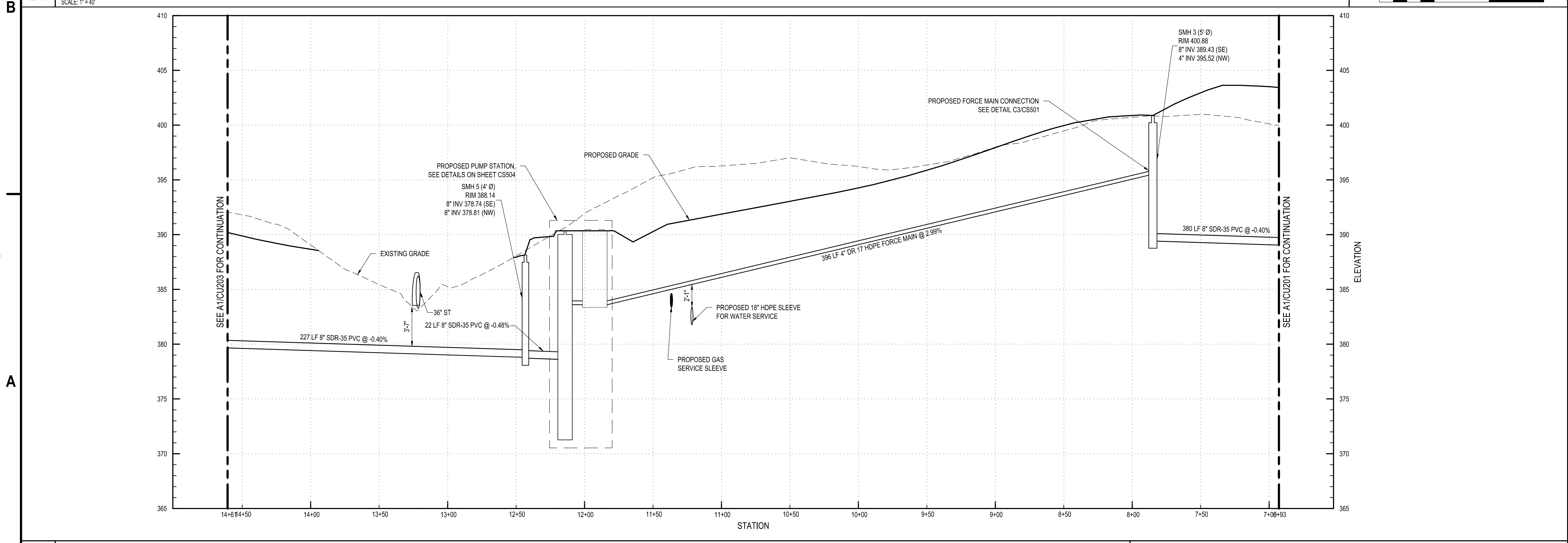
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**B1** SANITARY PLAN  
SCALE: 1" = 40'



**A1** SANITARY PROFILE  
SCALE: H: 1" = 40' V: 1" = 4'



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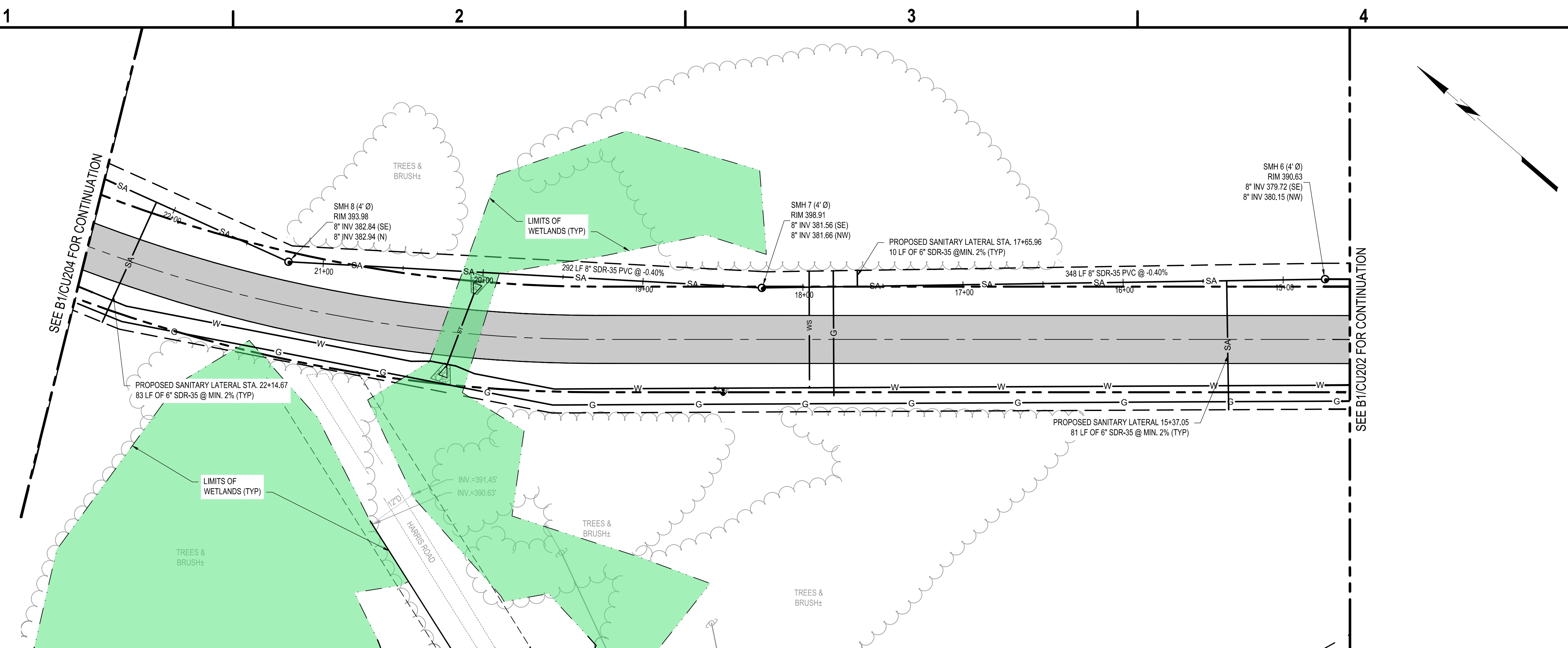
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		DATE: MAY 2026
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SANITARY PLAN AND  
PROFILE

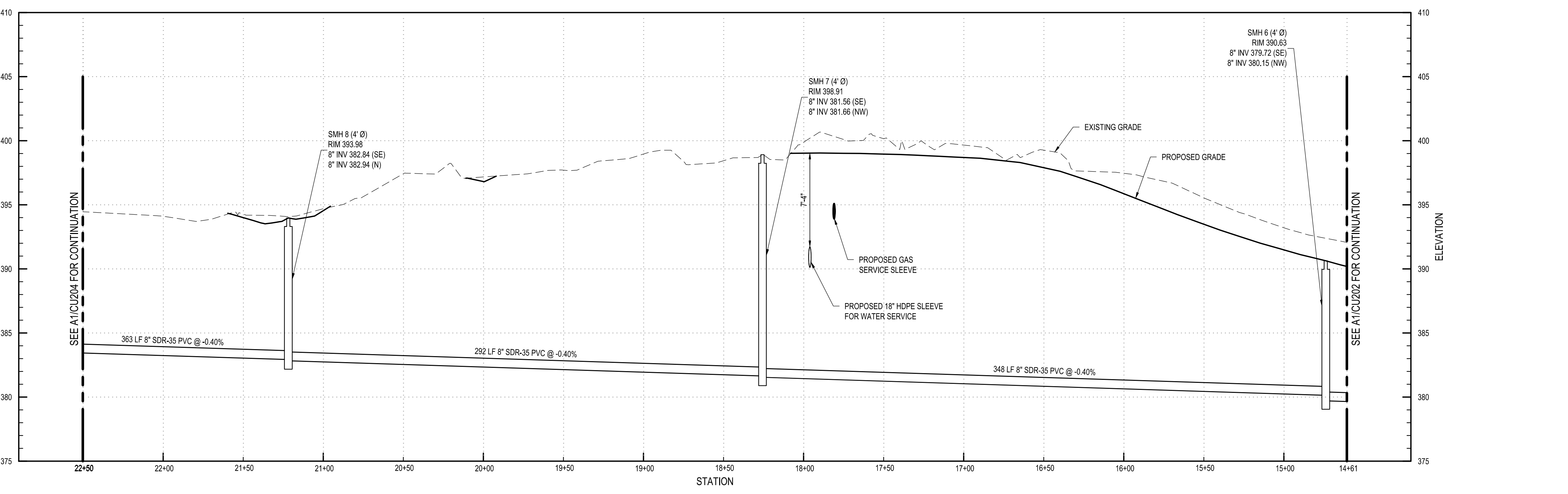
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May 19, 2026 - 9:42am  
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**B1** SANITARY PLAN  
SCALE: 1" = 40'



**A1** SANITARY PROFILES  
SCALE: H: 1" = 40' V: 1" = 4'



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PHOENIX, NY 13135**

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		PROJECT NO: 180.272.001
		DATE: MAY 2026
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		DESIGNED BY: M. MARCHEWKA
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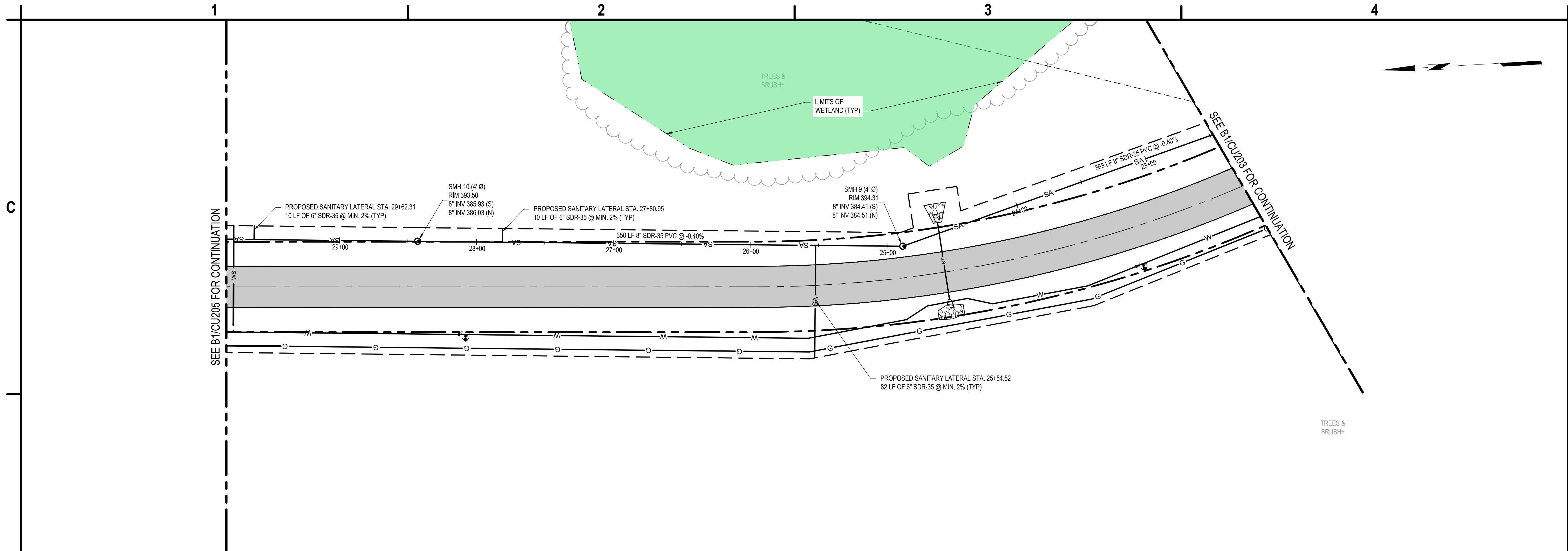
**SANITARY PLAN AND  
PROFILE**

**CU203**

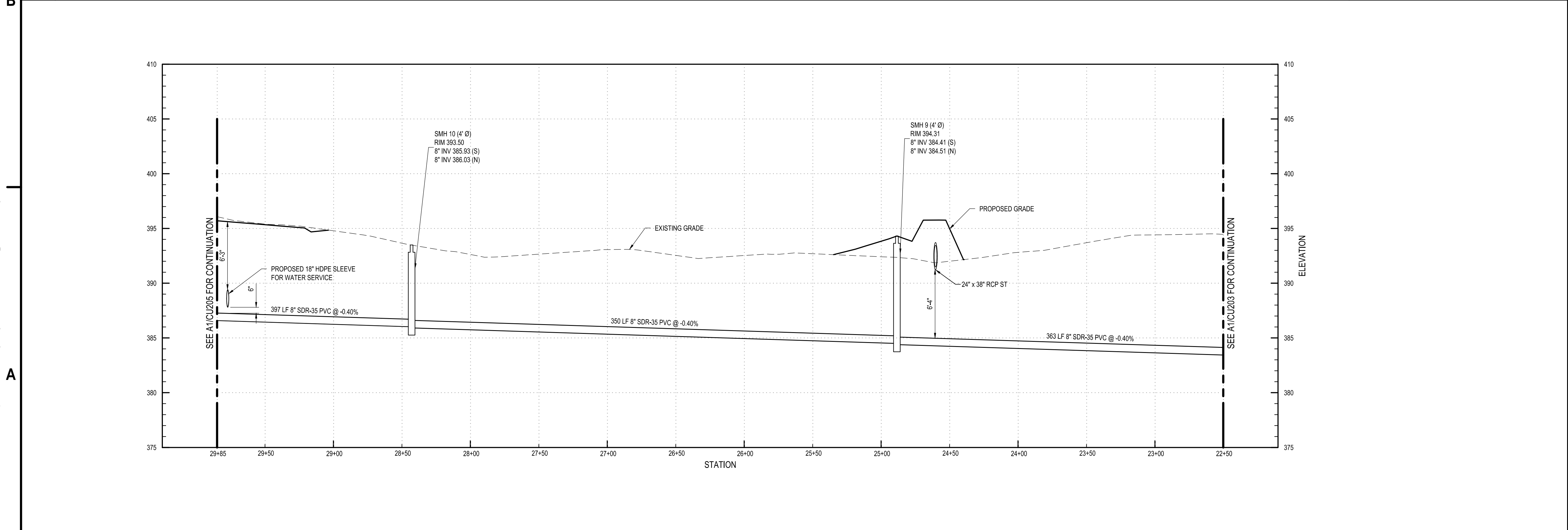
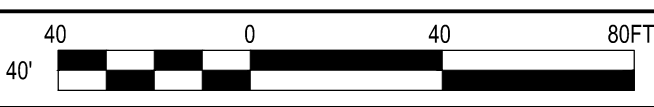
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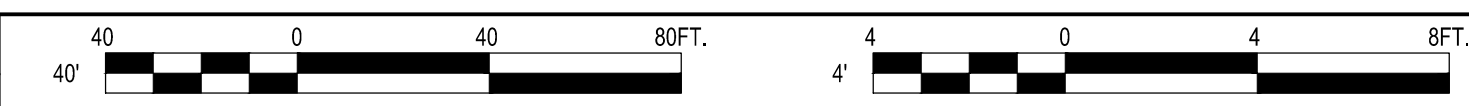
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**B1 SANITARY PLAN**  
SCALE: 1" = 40'



**A1 SANITARY PROFILE**  
SCALE: H: 1" = 40' V: 1" = 4'



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**SANITARY PLAN AND  
PROFILE**

**CU204**

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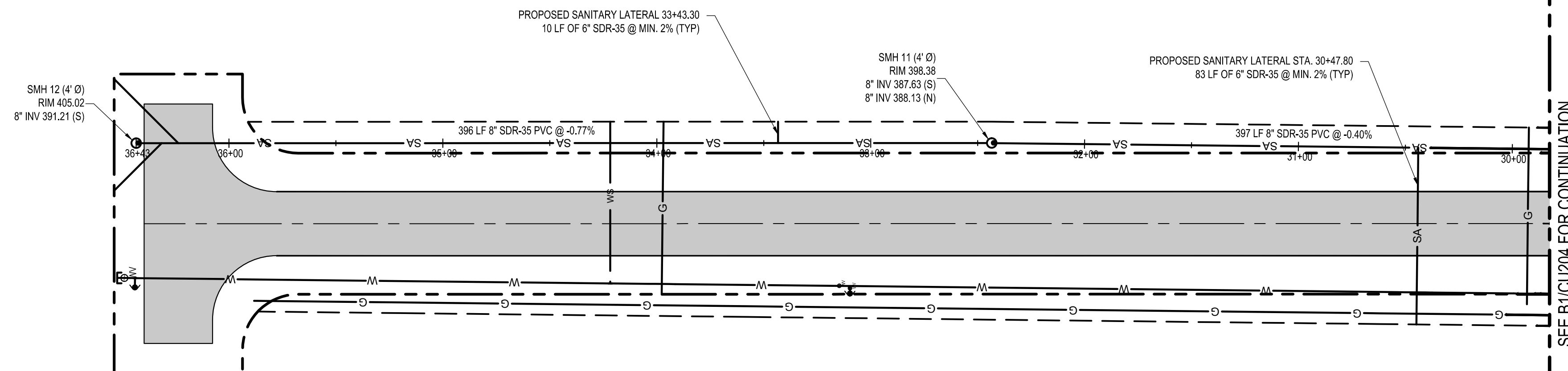
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DATE:	MAY 2026	
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DESIGNED BY:	M. MARCHEWKA	
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**SANITARY PLAN AND  
PROFILE**

**CU205**

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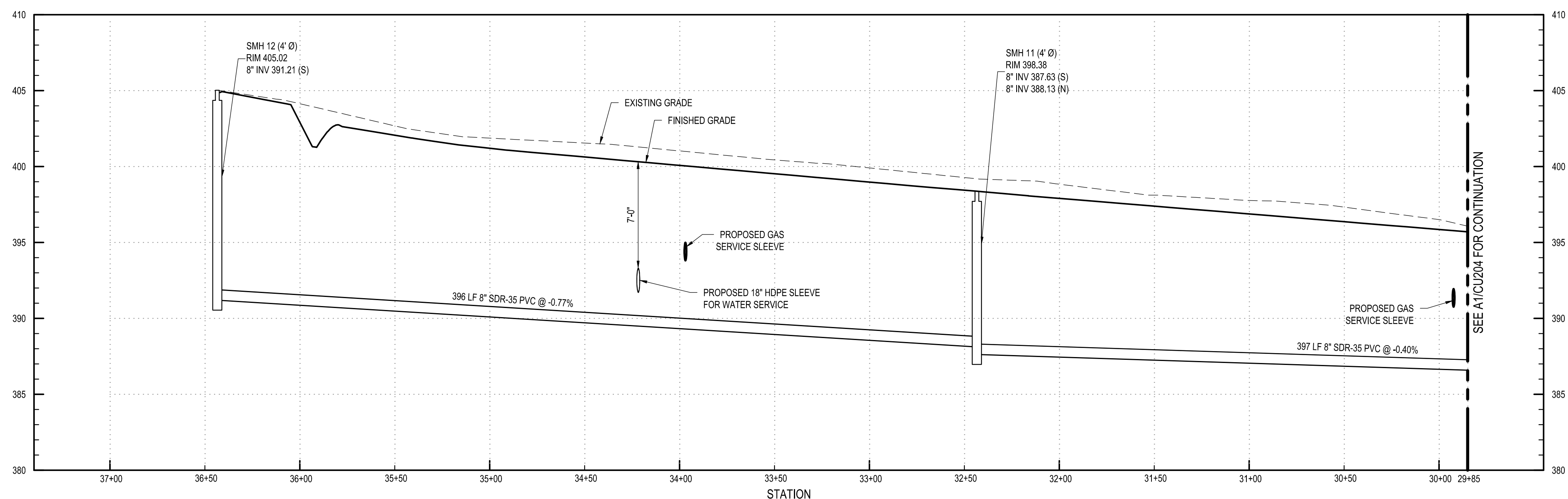
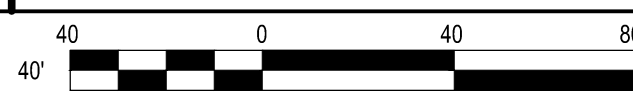
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INST No. R-2021-008770  
TAX MAP No. 289.00-02-04

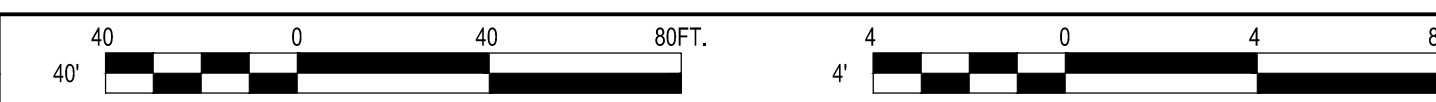
**B1 SANITARY PLAN**

SCALE: 1" = 40'



**A1 SANITARY PROFILE**

SCALE: H: 1" = 40' V: 1" = 4'



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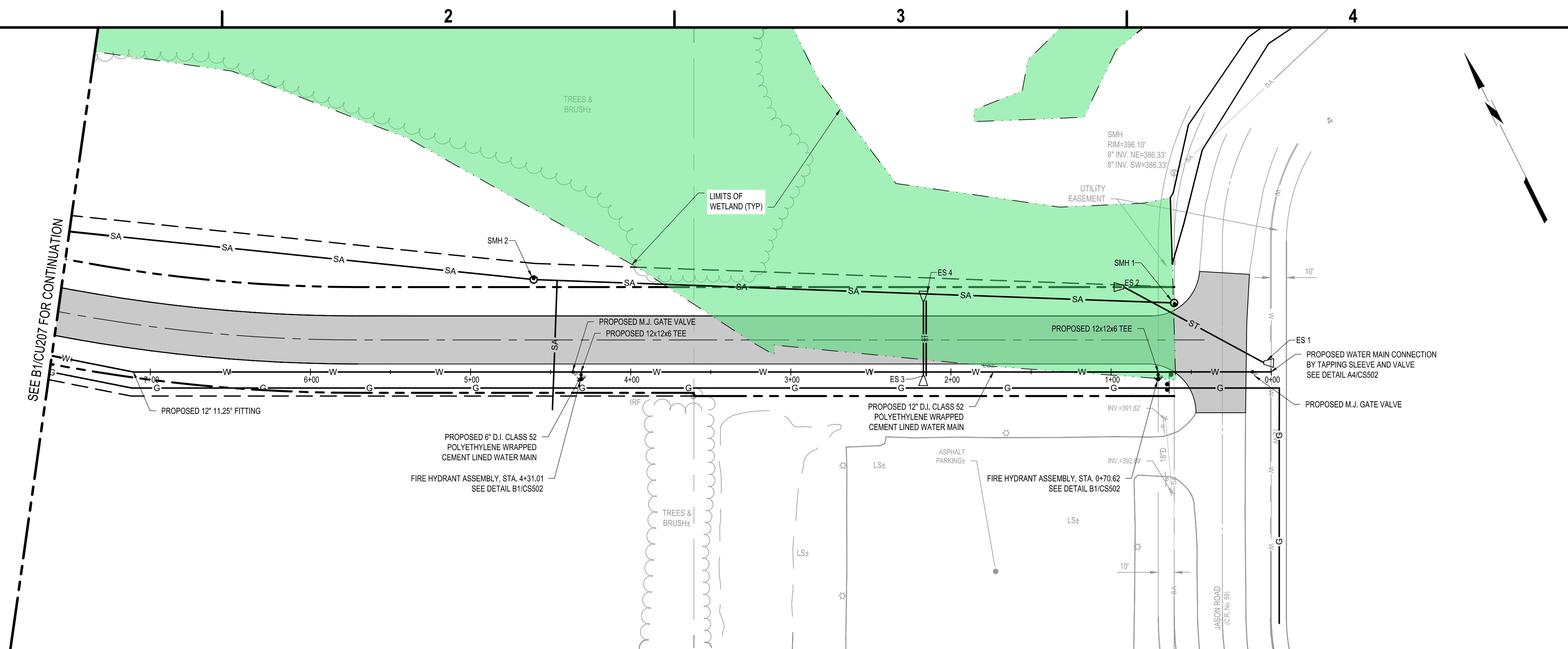
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		DATE: MAY 2026
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**WATER PLAN AND  
 PROFILE**

**CU206**

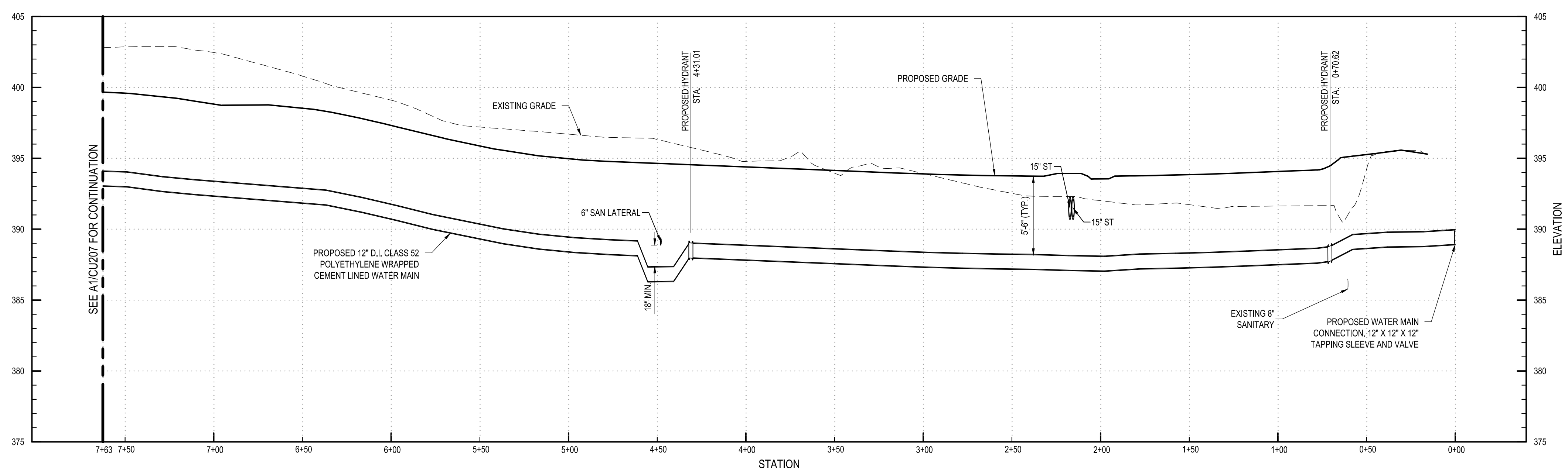
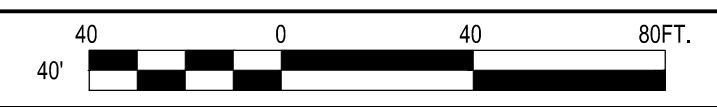
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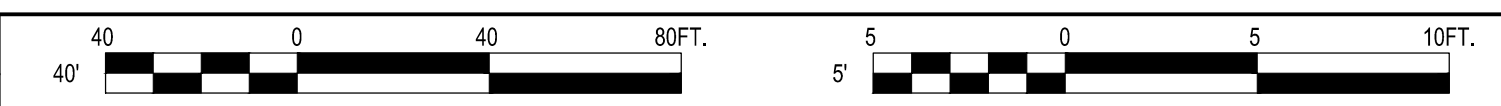
**B1 WATER PLAN**

SCALE: 1"=40'



**A1 WATER PROFILE**

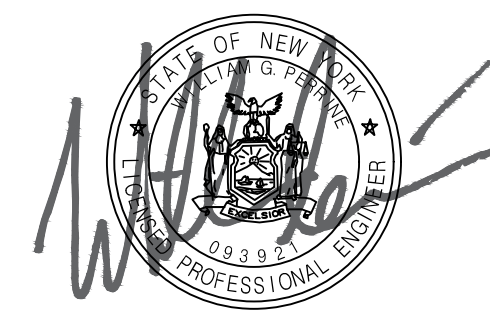
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MARK	DATE	DESCRIPTION

REVISIONS	
PROJECT NO:	180.272.001
DATE:	MAY 2026
DRAWN BY:	M. MARCHEWKA
DESIGNED BY:	M. MARCHEWKA
CHECKED BY:	K. GRAHAM, P.E.

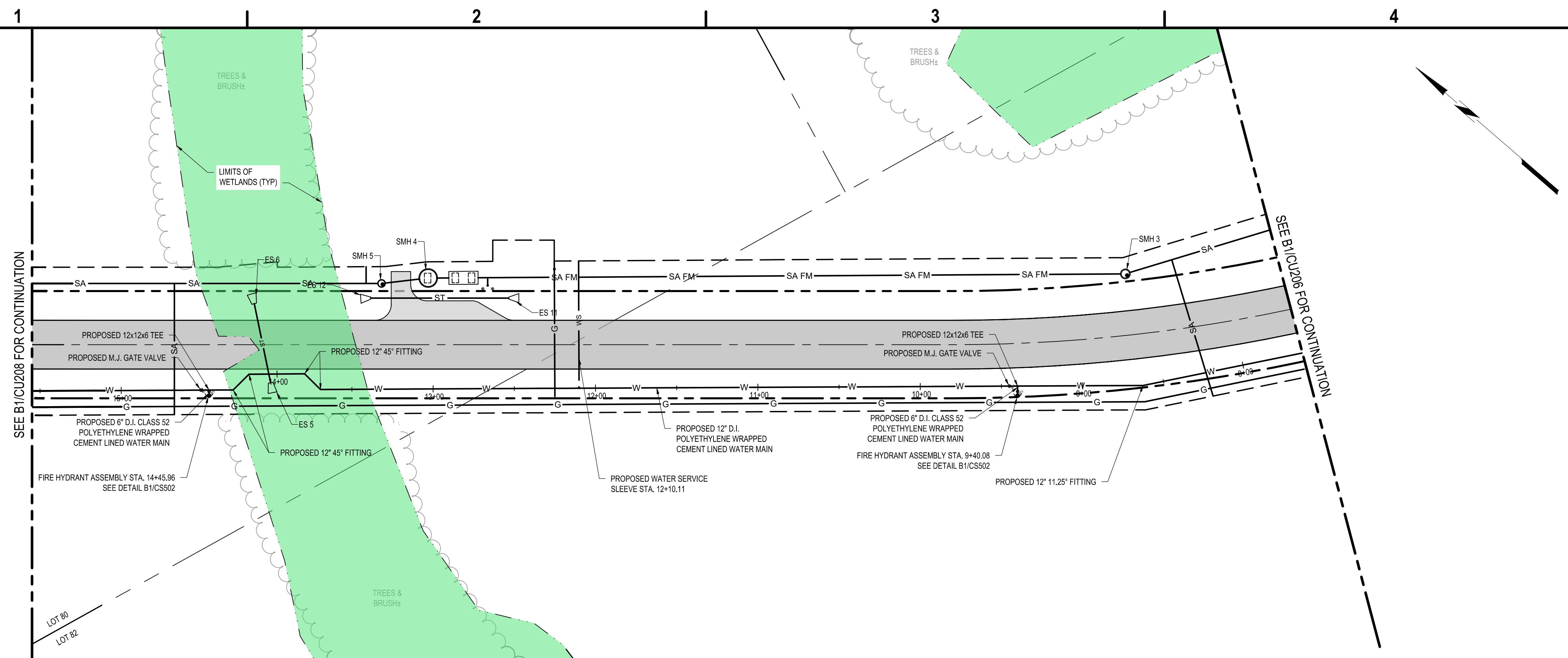
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**WATER PLAN AND  
 PROFILE**

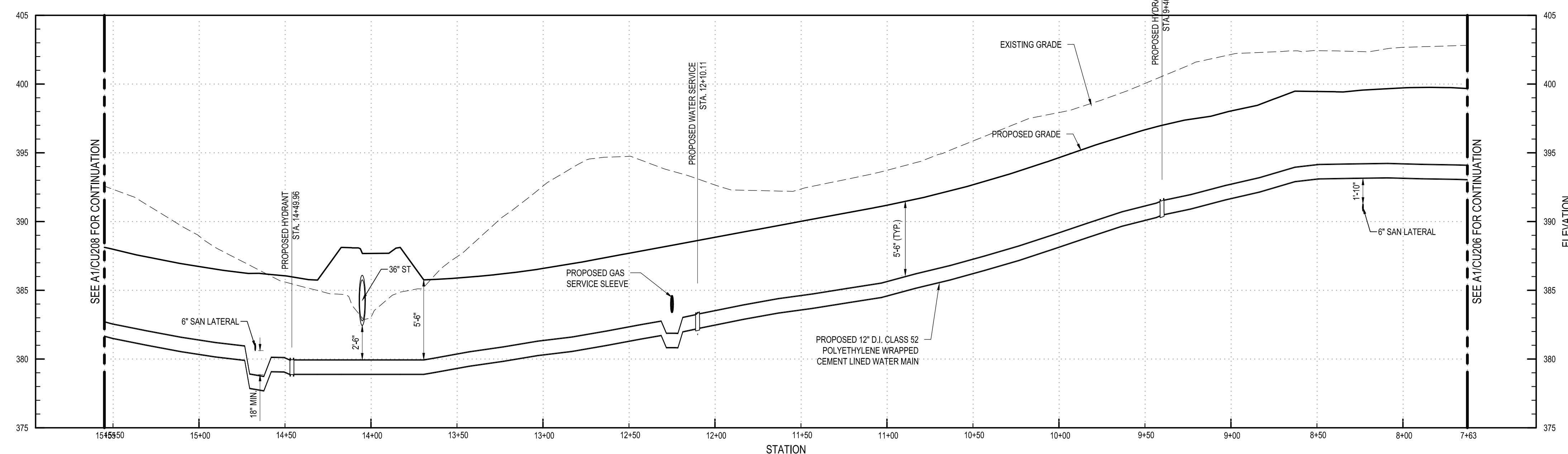
**CU207**

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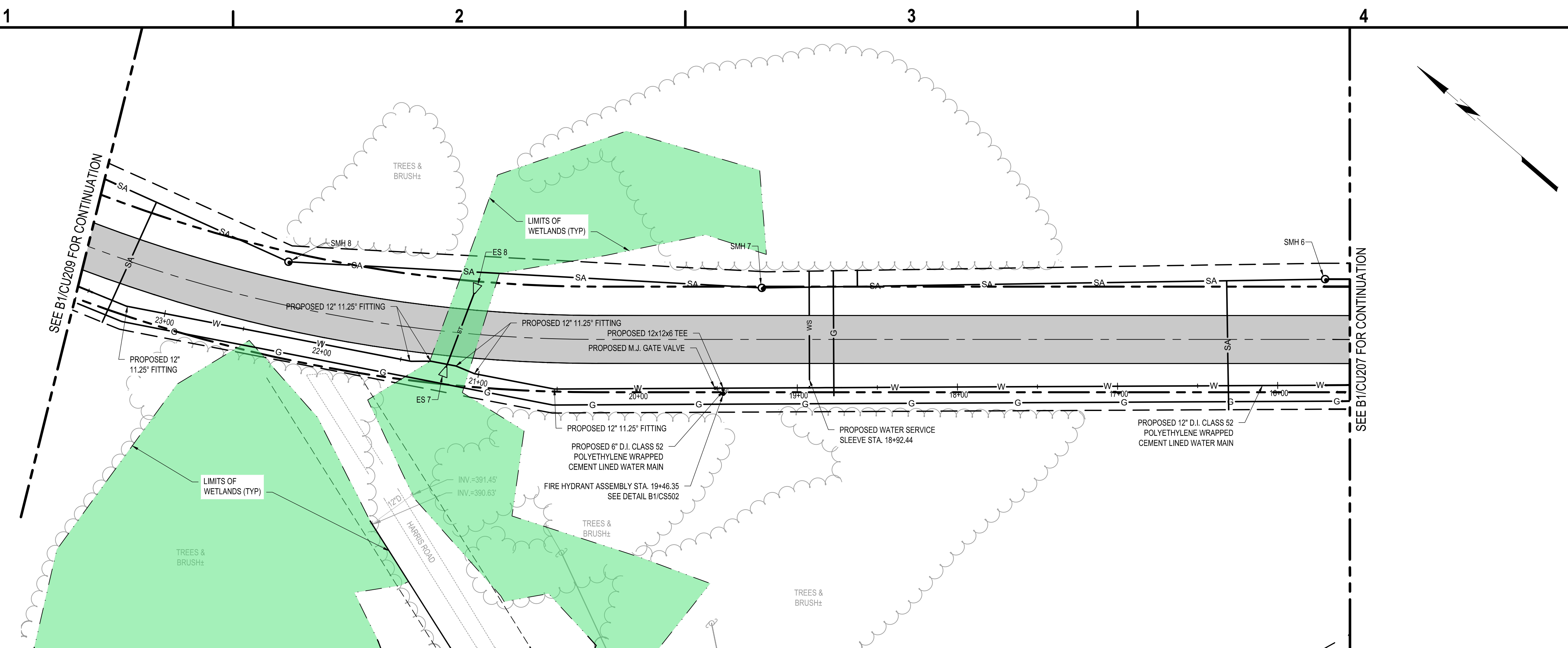
**B1 WATER PLAN**  
 SCALE: 1"=40'



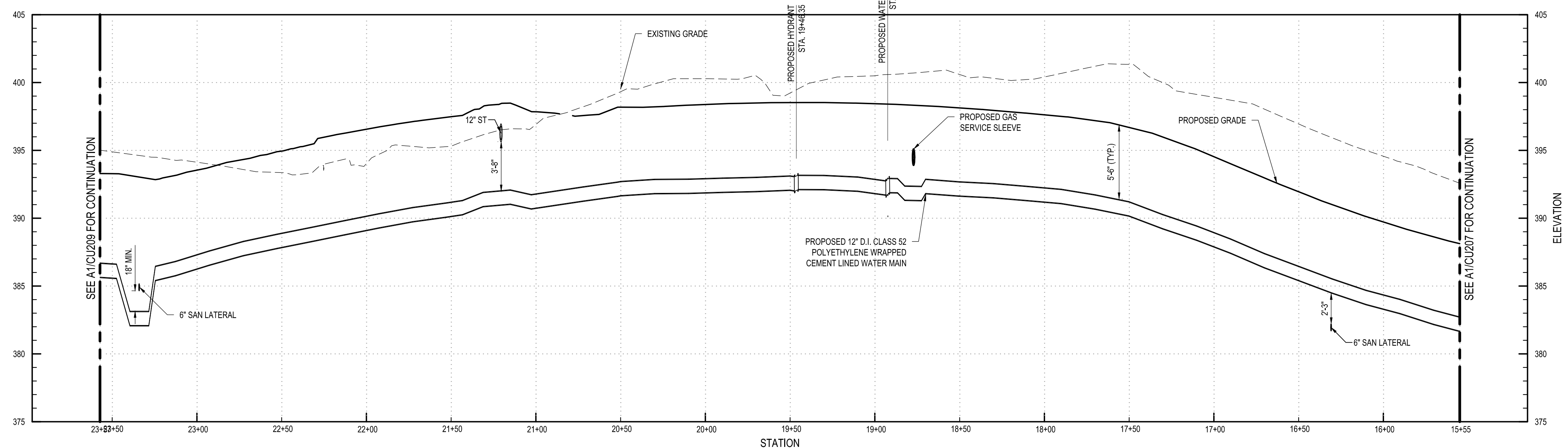
NOTE:  
 1. CONTRACTOR TO PROVIDE VERTICAL BENDS AS REQUIRED TO MAINTAIN MIN. 18" SEPARATION FROM CROSSING UTILITIES AND AS REQUIRED TO FOLLOW PROPOSED GRADE.

**A1 WATER PROFILE**  
 SCALE: H: 1"=40' V: 1"=5'

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**B1 WATER PLAN**  
SCALE: 1"=40'



**A1 WATER PROFILE**  
SCALE: H: 1"=40' V: 1"=5'

NOTE:  
1. CONTRACTOR TO PROVIDE VERTICAL BENDS AS REQUIRED TO MAINTAIN MIN. 18" SEPARATION FROM CROSSING UTILITIES AND AS REQUIRED TO FOLLOW PROPOSED GRADE.



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MARK	DATE	DESCRIPTION
REVISIONS		
		PROJECT NO: 180.272.001
		DATE: MAY 2026
		DRAWN BY: M. MARCHEWKA
		DESIGNED BY: M. MARCHEWKA
		CHECKED BY: K. GRAHAM, P.E.

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**WATER PLAN AND  
PROFILE**

**CU208**

SHEET NO. 47 OF 73

May 19, 2026 - 9:45am  
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COUNTY OF OSWEGO INDUSTRIAL DEVELOPMENT AGENCY

**OSWEGO COUNTY - INDUSTRIAL  
 PARK INFRASTRUCTURE  
 EXPANSION PROJECT  
 112 HARRIS DRIVE  
 PHOENIX, NY 13135**

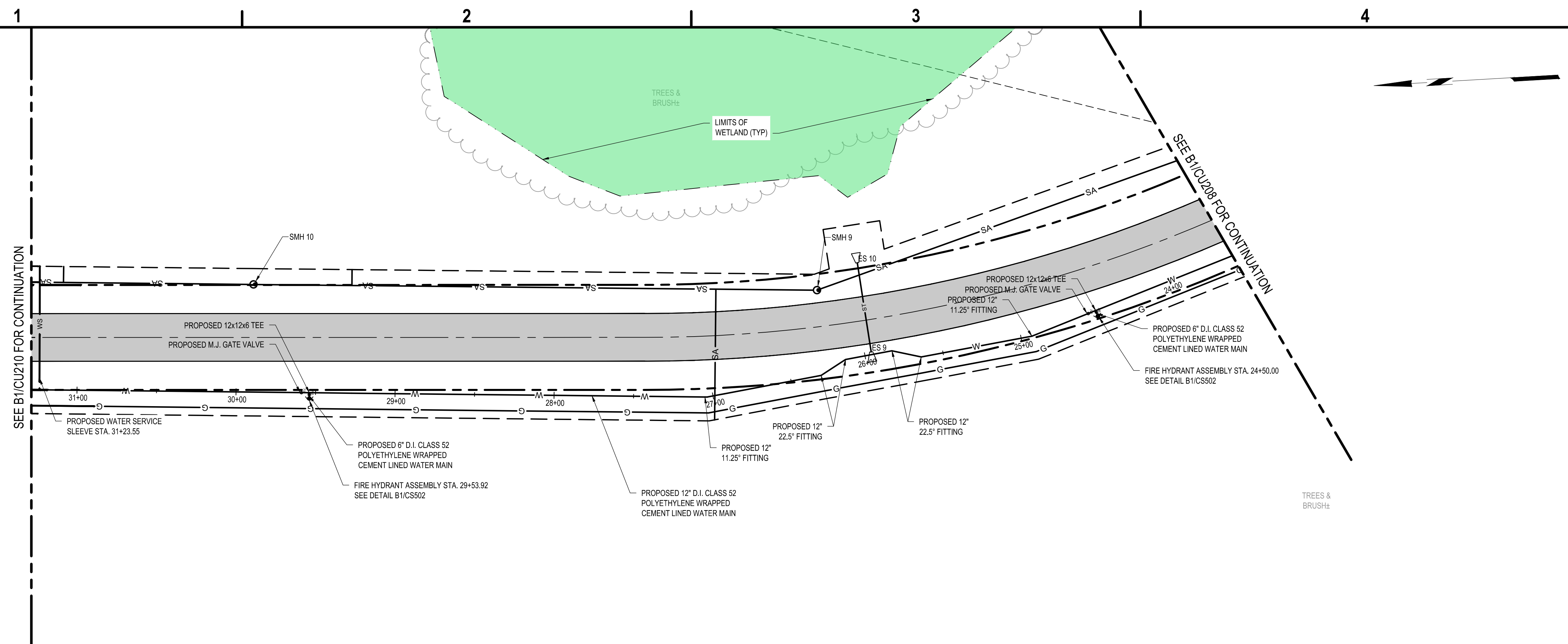
MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: 180.272.001		
DATE: MAY 2026		
DRAWN BY: M. MARCHEWKA		
DESIGNED BY: M. MARCHEWKA		
CHECKED BY: K. GRAHAM, P.E.		
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**WATER PLAN AND  
 PROFILE**

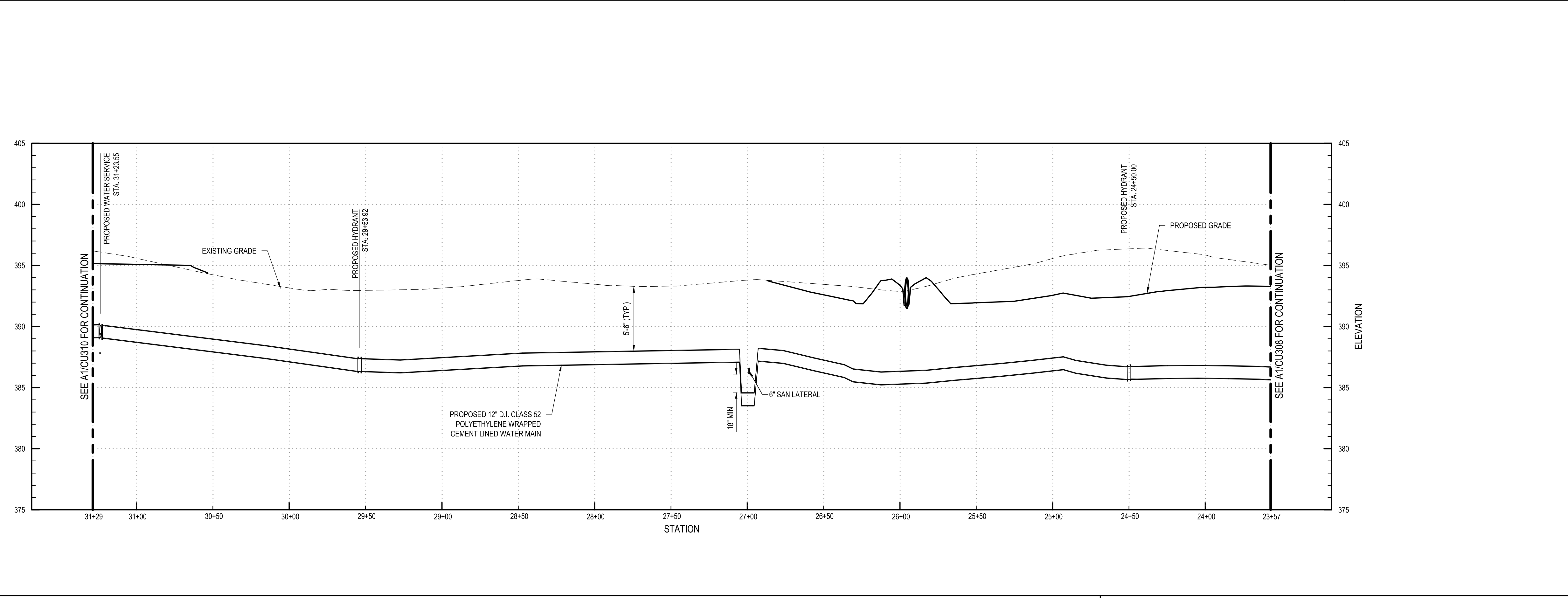
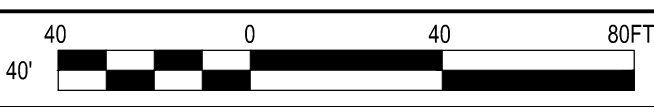
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SHEET NO. 48 OF 73

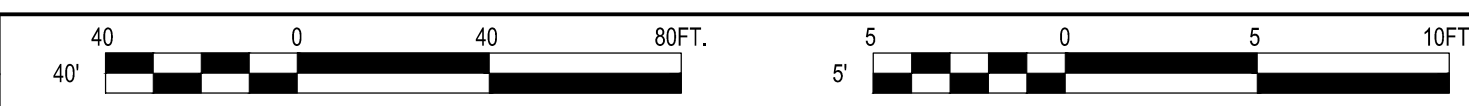
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**B1 WATER PLAN**  
 SCALE: 1"=40'



**A1 WATER PROFILE**  
 SCALE: H: 1"=40' V: 1"=5'



May 19, 2026 - 9:40am  
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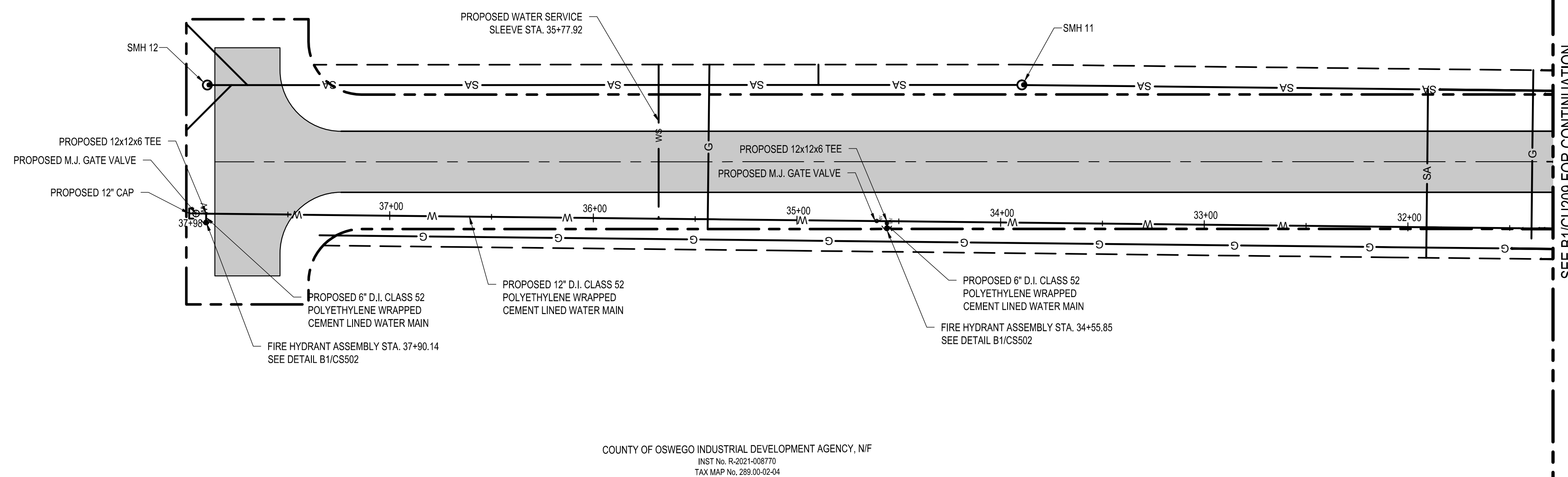
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**WATER PLAN AND  
 PROFILE**

**CU210**

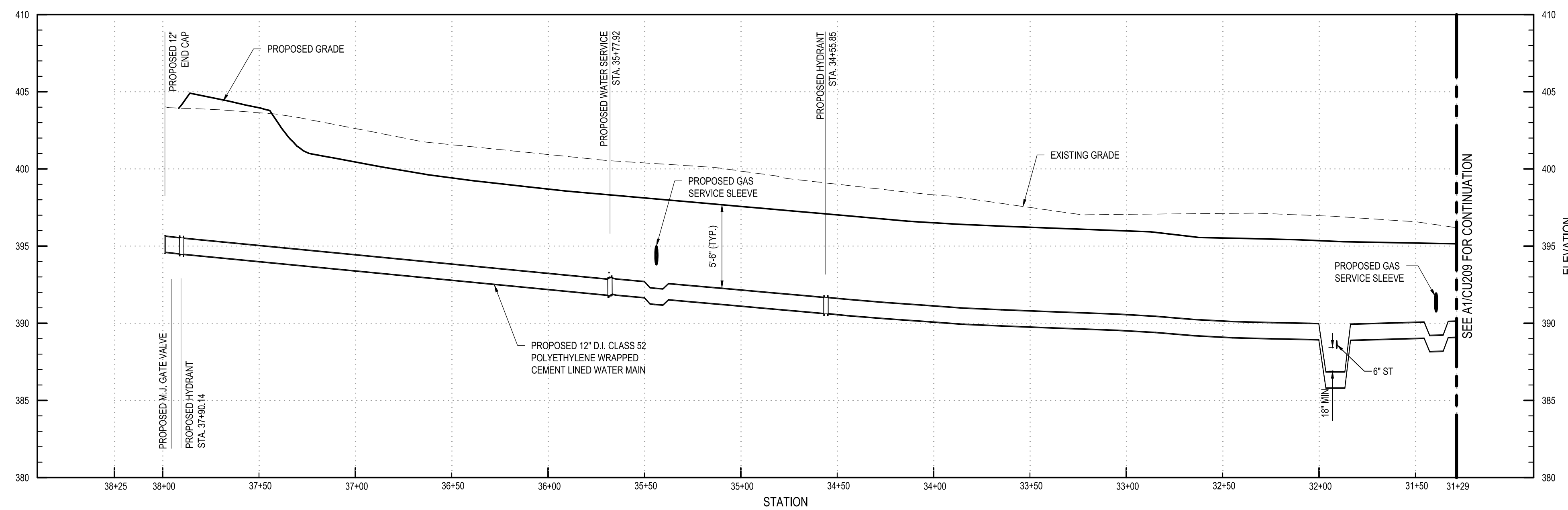
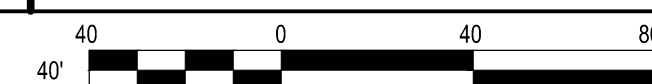
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**B1 WATER PLAN**

SCALE: 1" = 40'



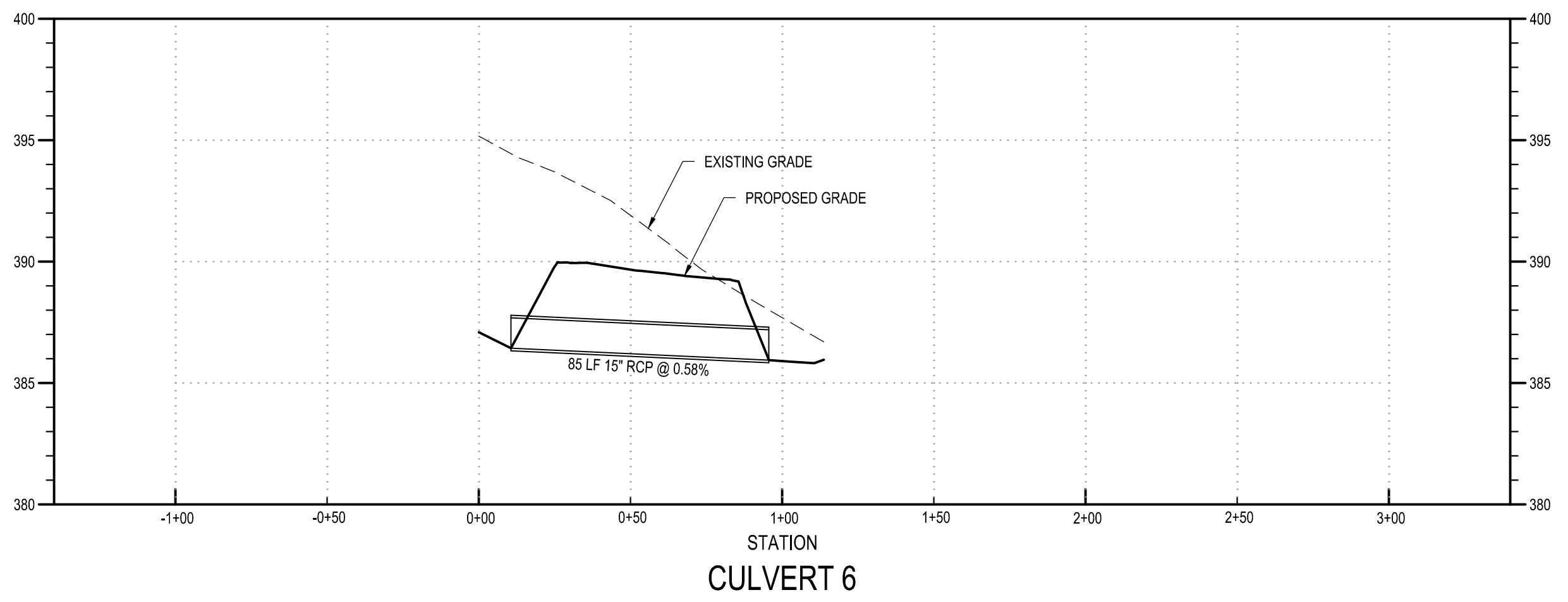
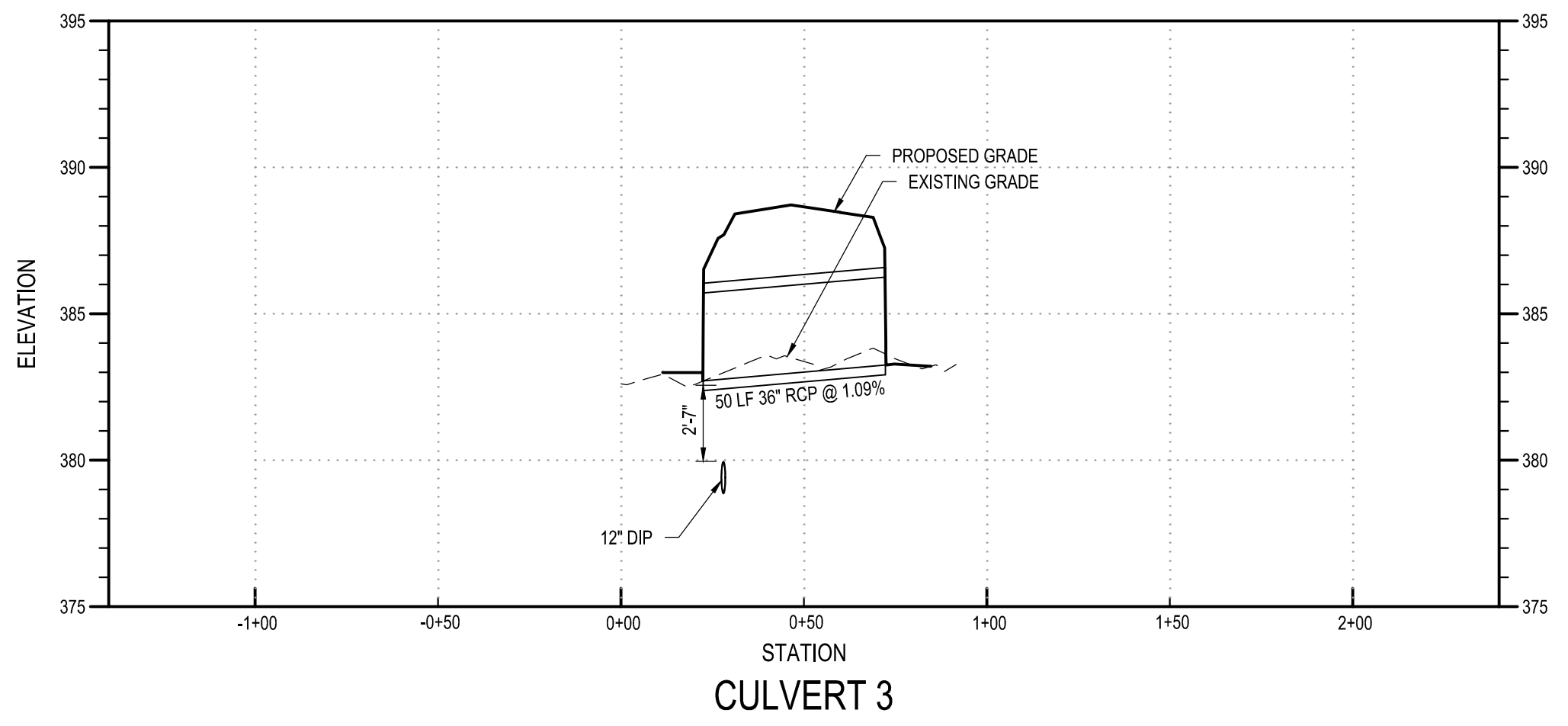
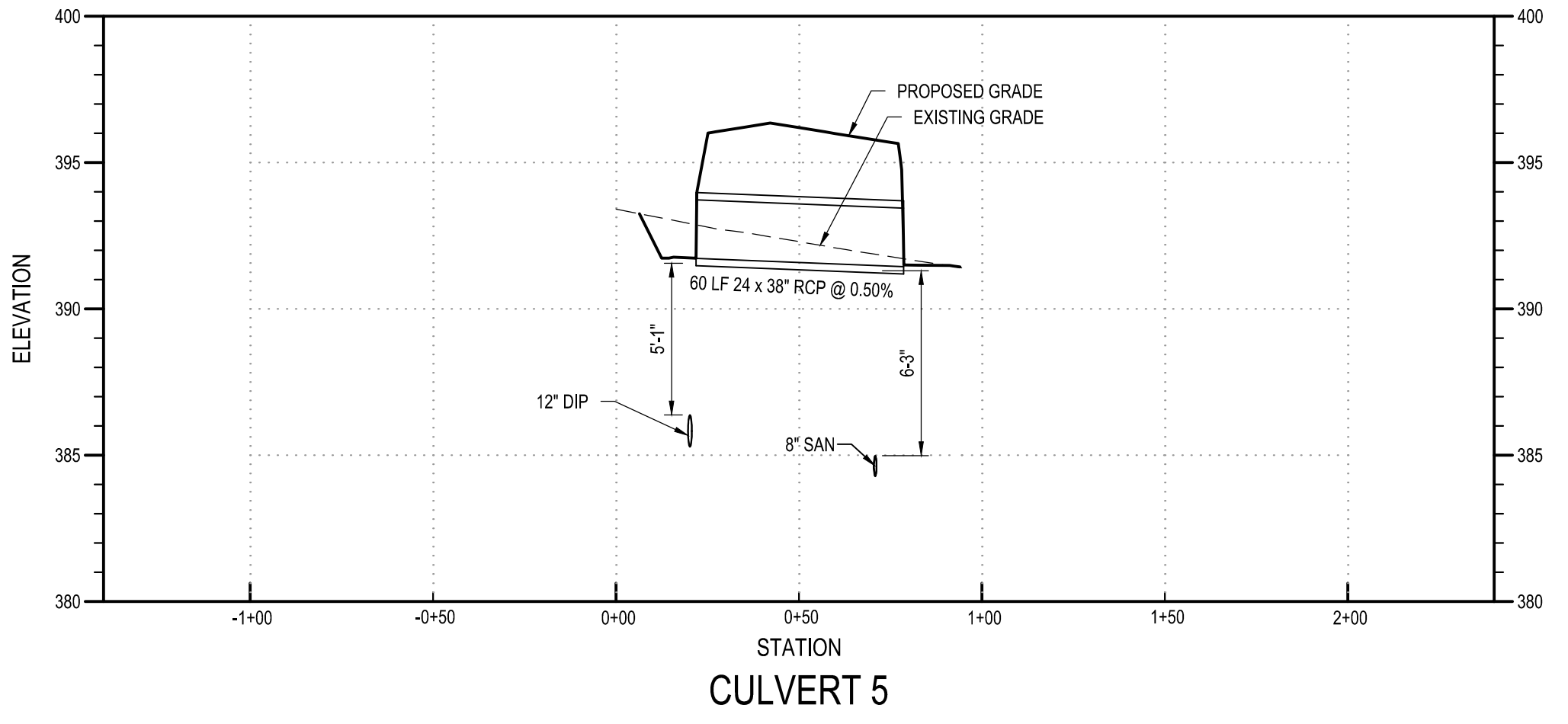
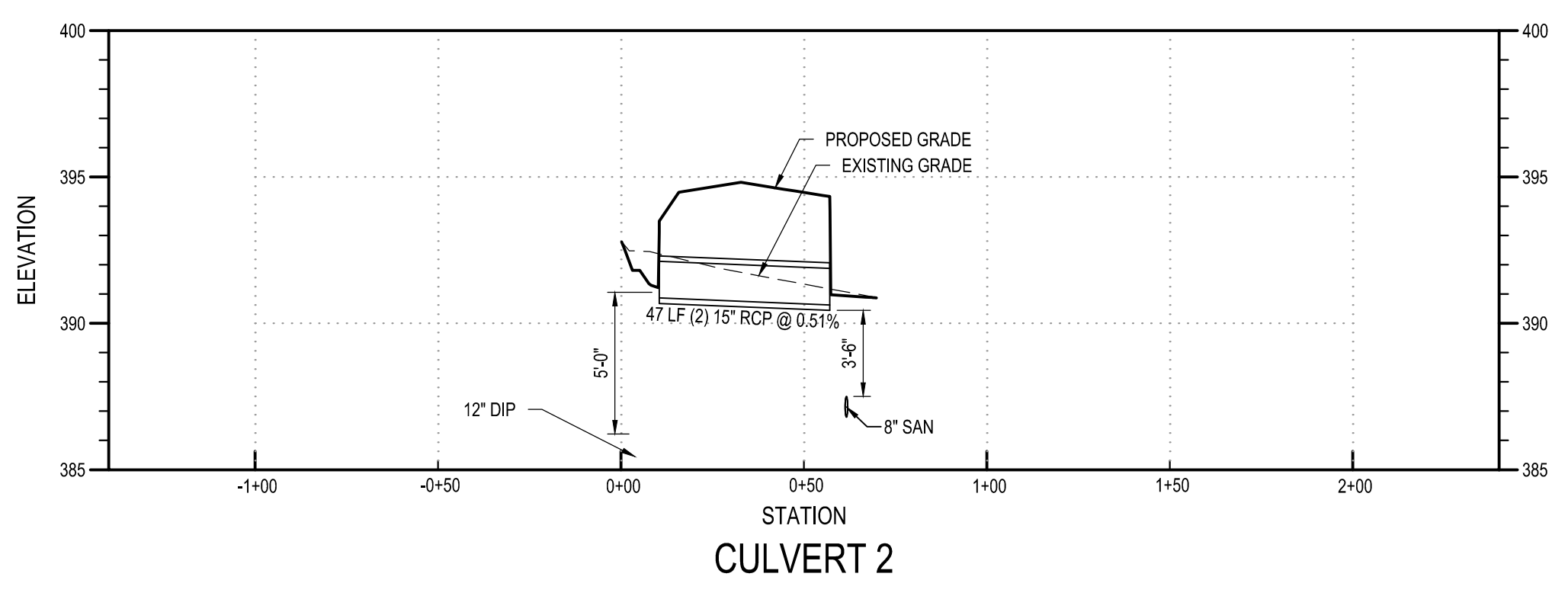
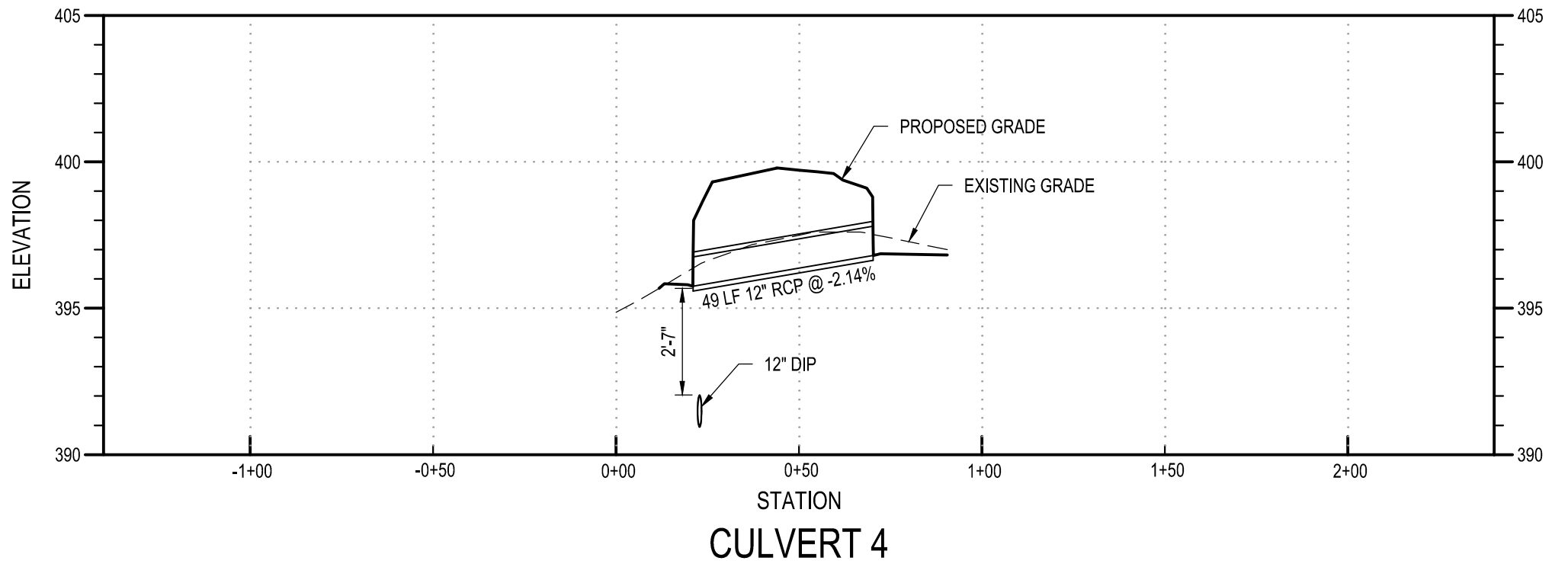
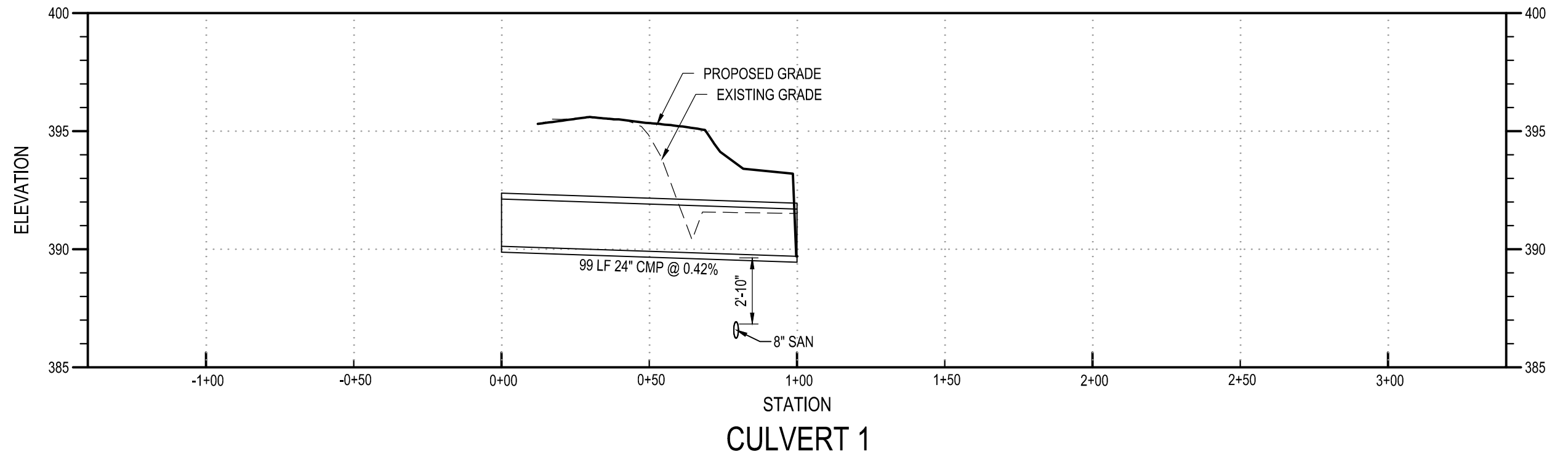
**A1 WATER PROFILE**

SCALE: H: 1" = 40' V: 1" = 5'



May 19, 2026 - 9:43am  
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**OSWEGO COUNTY - INDUSTRIAL  
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**CULVERT PROFILES**

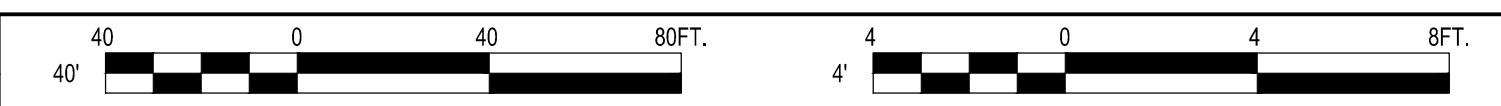
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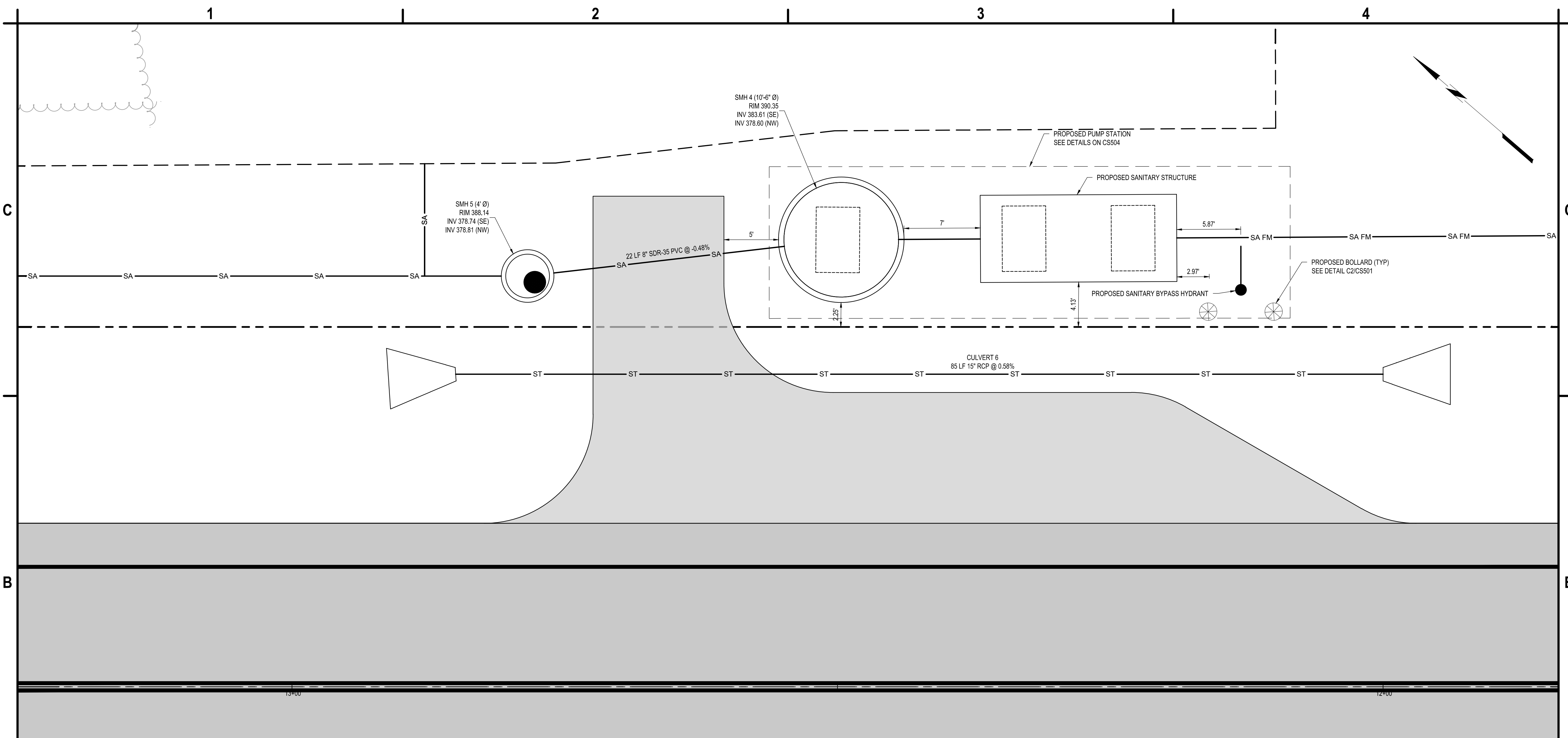
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**A1 CULVERT PROFILES**

SCALE: H: 1" = 40' V: 1" = 4'





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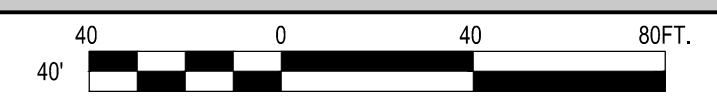


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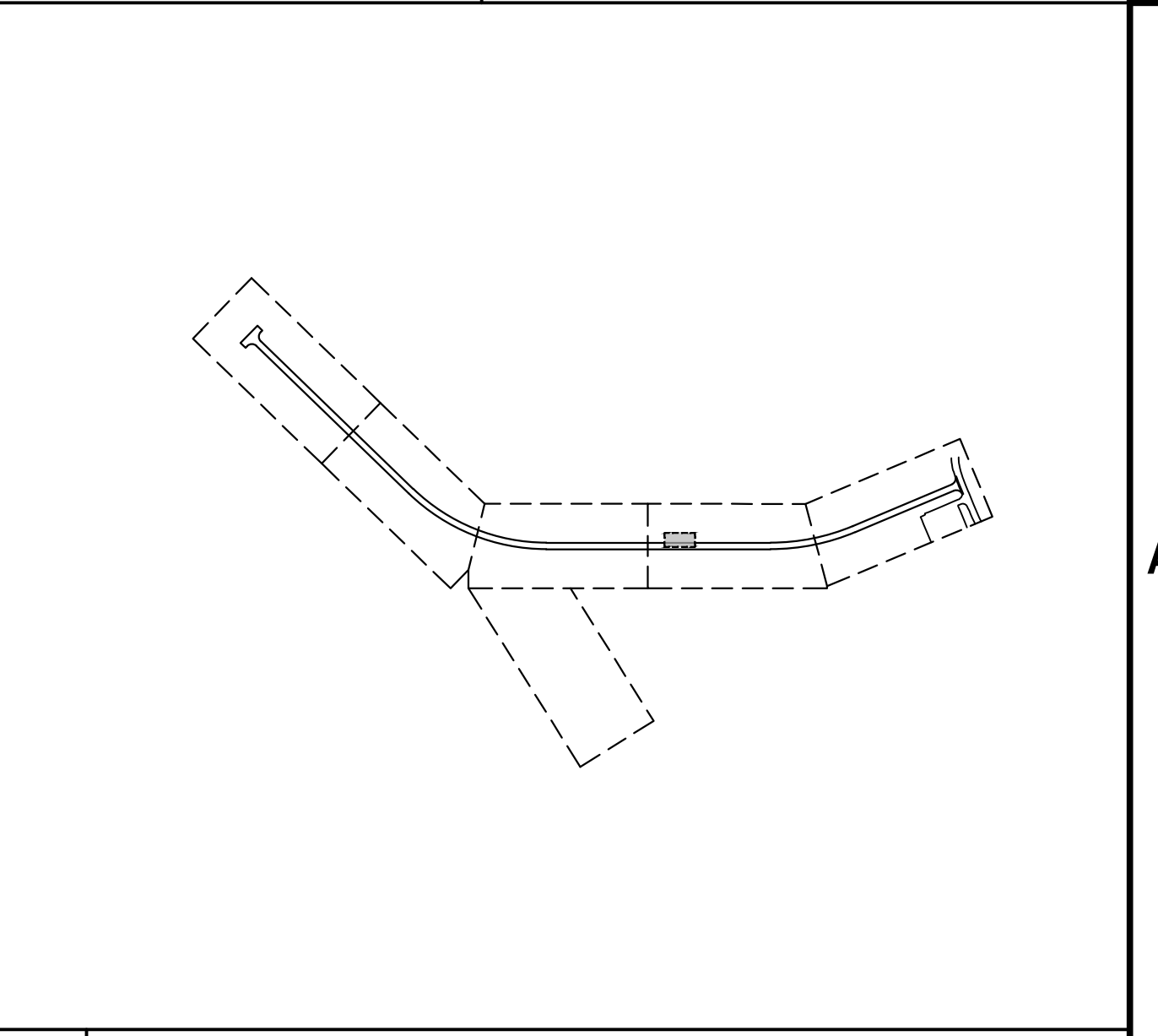
**OSWEGO COUNTY - INDUSTRIAL  
PARK INFRASTRUCTURE  
EXPANSION PROJECT  
112 HARRIS DRIVE  
PHOENIX, NY 13135**

**B1 ENLARGED PUMP STATION UTILITY PLAN**  
SCALE: Custom



**A1 SHEET NOTES**  
SCALE: NOT TO SCALE

- A3 LEGEND**  
SCALE: NOT TO SCALE
- PROPOSED ASPHALT PAVEMENT
  - PROPOSED LIGHT DUTY ASPHALT PAVEMENT
  - PROPOSED RIGHT OF WAY
  - PROPOSED UTILITY EASEMENT



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**ENLARGED PUMP STATION UTILITY PLAN**

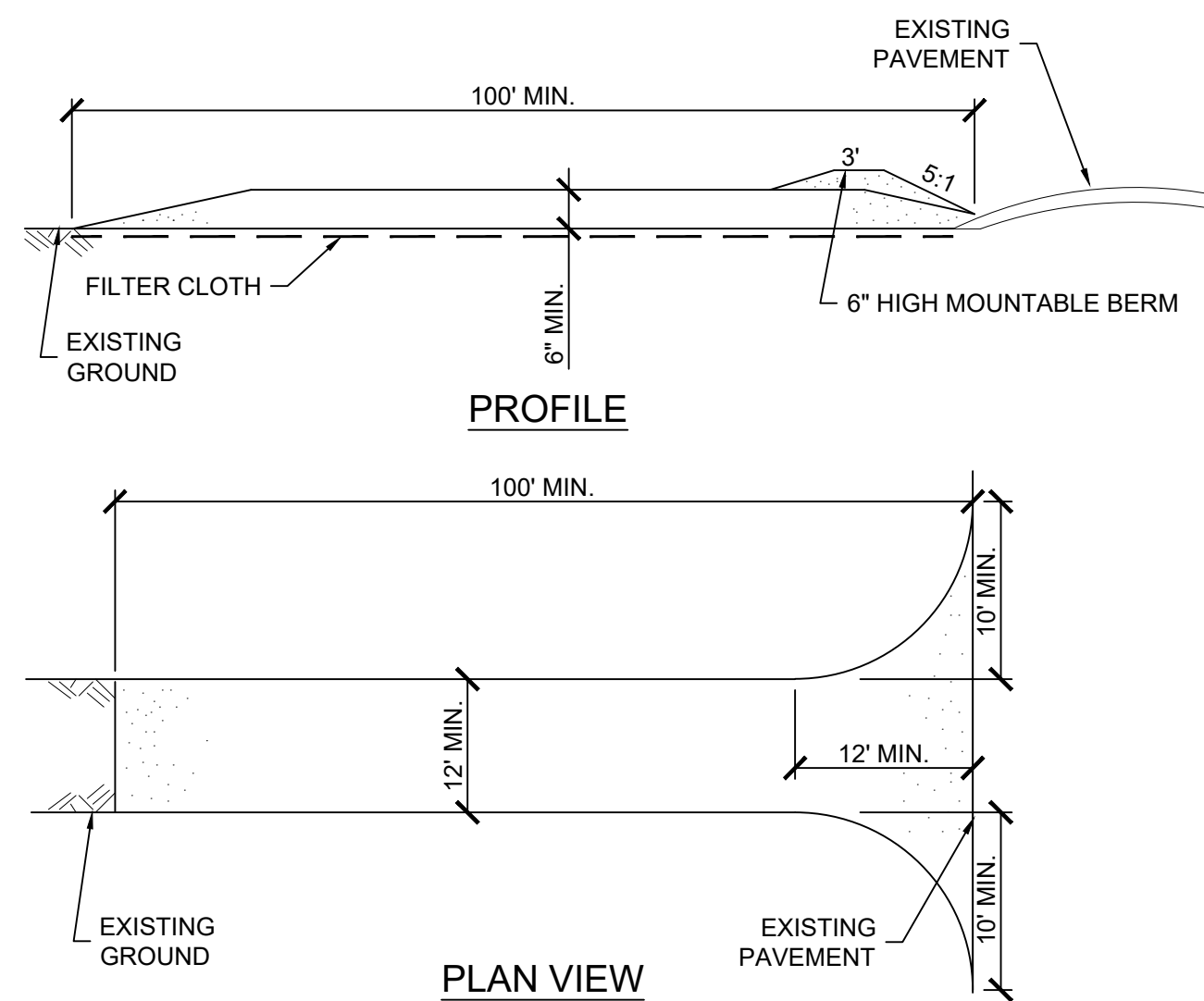
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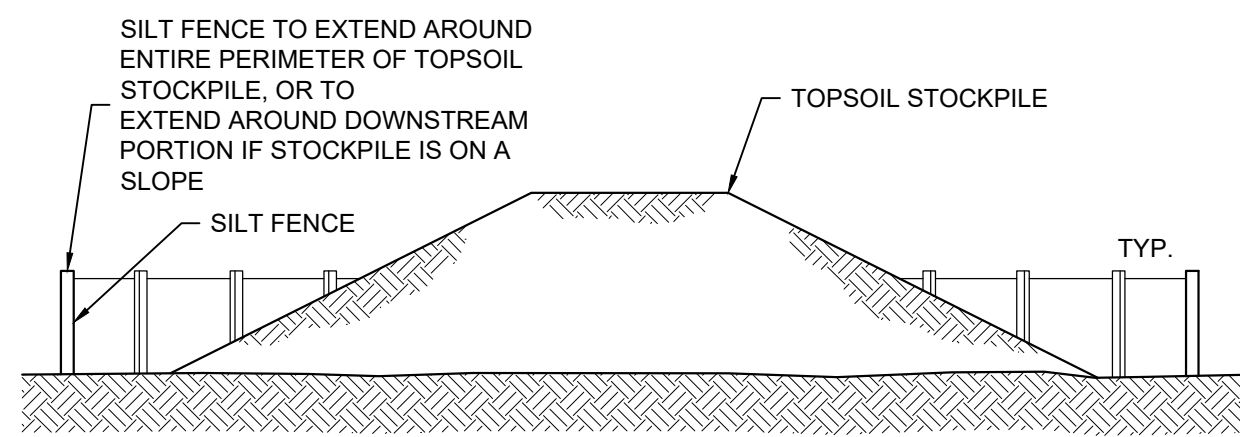
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**STABILIZED CONSTRUCTION ENTRANCE NOTES:**

1. STONE SIZE - USE #3 CRUSHED STONE OR GRAVEL.
2. LENGTH - NOT LESS THAN 100 FEET PER DETAIL.
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
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 CONSTRUCTION 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.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN 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.
10. CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH NYS DOT STANDARD SPECIFICATION SECTION 209-3.09.
11. PAYMENT WILL BE MADE UNDER ITEM 209.22



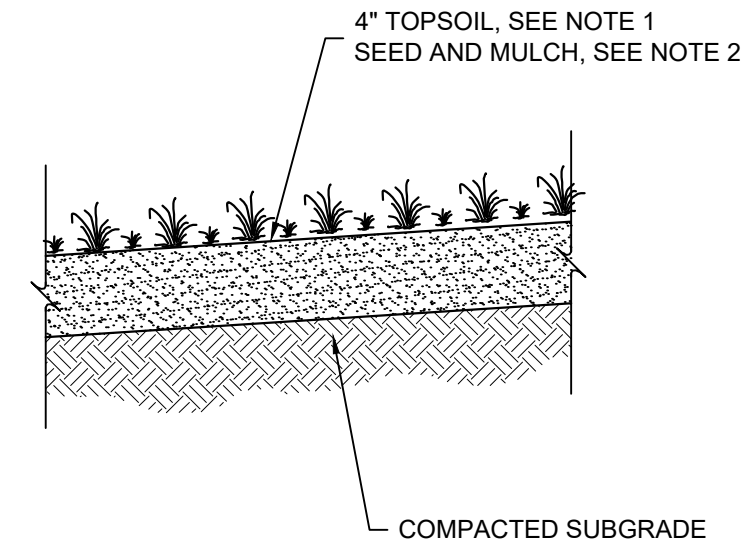
**B1 STABILIZED CONSTRUCTION ENTRANCE DETAIL**  
SCALE: NOT TO SCALE



**TEMPORARY TOPSOIL STOCKPILE NOTES:**

1. REFER TO SILT FENCE DETAIL FOR MATERIALS AND INSTALLATION METHODS.
2. IF THE STOCKPILE IS TO REMAIN FOR MORE THAN 14 DAYS, IT SHALL BE STABILIZED WITH BURLAP MATTING OR SEEDED WITHIN 7 DAYS OF COMPLETION TO MINIMIZE EROSION.
3. INSPECTION OF SILT FENCE SHALL BE AT LEAST ONCE PER WEEK AND AFTER RAIN EVENTS IN EXCESS OF 1/2". REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
4. SEDIMENT TRAPPED BY THE SILT FENCE SHALL BE REMOVED AND PROPERLY DISPOSED OF WHENEVER SIGNIFICANT ACCUMULATION OCCURS.
5. SILT FENCE SHALL BE MAINTAINED IN PLACE UNTIL TOPSOIL STOCKPILE HAS BEEN ELIMINATED AND SHALL BE REMOVED ONLY WHEN DIRECTED BY THE ENGINEER.
6. TOPSOIL STOCKPILE LOCATION SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE OWNER OR AN AUTHORIZED REPRESENTATIVE

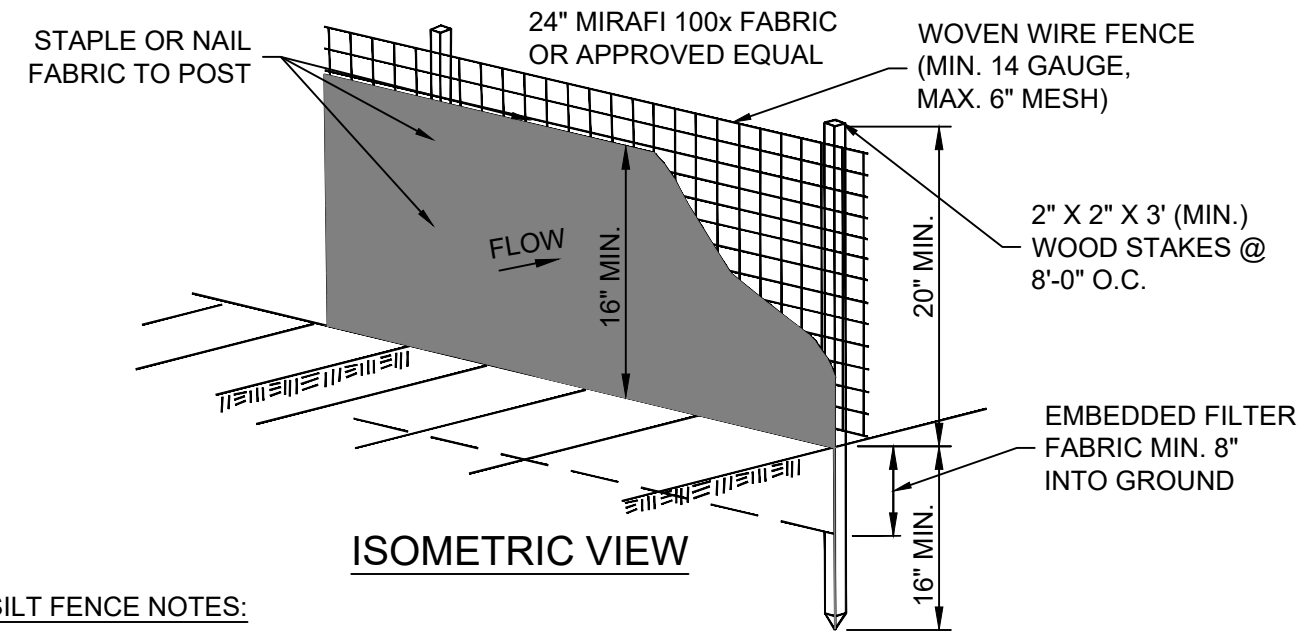
**C2 TEMPORARY TOPSOIL STOCKPILE DETAIL**  
SCALE: NOT TO SCALE



**NOTES:**

1. ITEM 610.1403 SHALL BE USED OUTSIDE THE RIGHT OF WAY (R.O.W.). ITEM 610.1402 SHALL BE USED FOR AREAS INSIDE THE R.O.W.
2. ITEM 610.1602 SHALL BE USED OUTSIDE THE R.O.W. ITEM 610.1601 SHALL BE USED FOR AREAS INSIDE THE R.O.W.
3. EXISTING TOPSOIL SHALL BE STRIPPED, SALVAGED, AND STOCK PILED FOR RE-USE. TO BE PAID FOR UNDER ITEM 203.02

**B2 TURF RESTORATION**  
SCALE: NOT TO SCALE



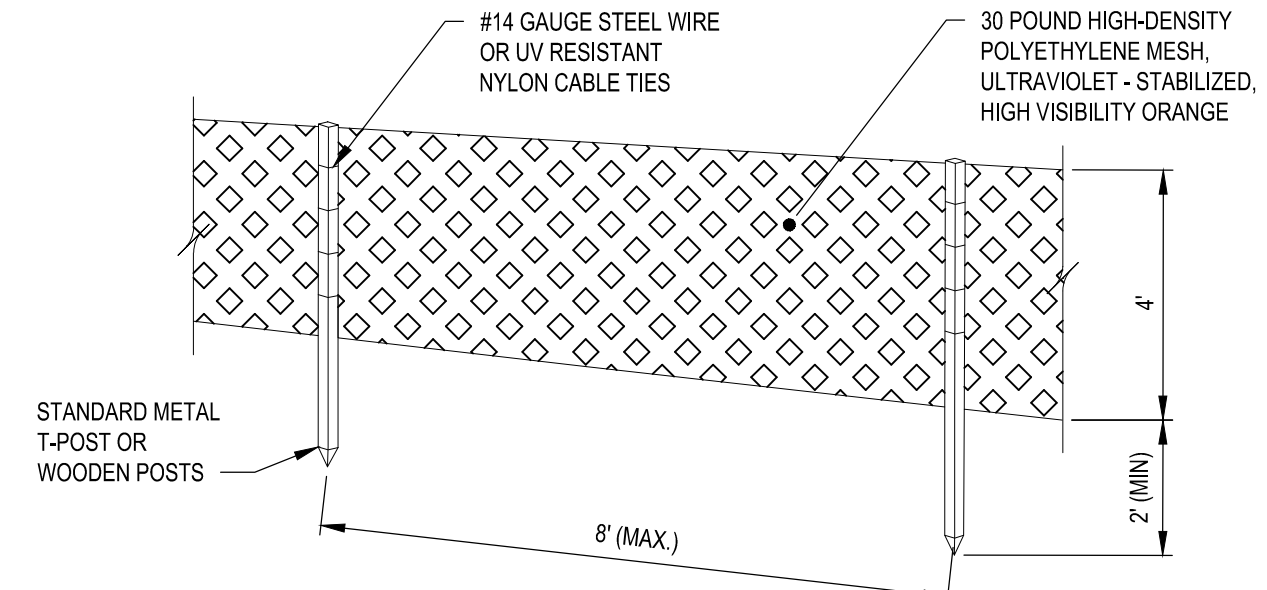
**SILT FENCE NOTES:**

1. WOVEN WIRE FENCE SHALL BE SECURELY FASTENED TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. SILT FENCE FABRIC SHALL BE SECURELY FASTENED TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID-SECTION, WHEN TWO SECTIONS OF SILT FENCE FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
3. MAINTENANCE SHALL BE PROVIDED BY THE CONTRACTOR AS DIRECTED BY ENGINEER AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
4. CONTRACTOR SHALL REMOVE THE SILT FENCE AT THE APPROPRIATE TIME, DRESS THE DISTURBED AREAS, AND DISPOSE OF THE SILT FENCE.
5. THE FOLLOWING ARE MAXIMUM SLOPE LENGTHS (DISTANCE BETWEEN ROWS) FOR SILT FENCE INSTALLATION.
6. PAYMENT WILL BE MADE UNDER ITEM 209.13

SILT FENCE MAXIMUM SLOPE LENGTH (FEET)			
SLOPE	STEEPNESS	STANDARD**	REINFORCED***
*5-10%	20:1 TO 10:1	125	250
10-20%	10:1 TO 5:1	100	150
20-33%	5:1 TO 3:1	60	80
33-50%	3:1 TO 2:1	40	70
>50%	>2:1	20	30

- \* FOR SLOPE LESS THAN 5% SILT FENCE IS NOT REQUIRED UNLESS IN SENSITIVE AREAS OR HIGHLY ERODIBLE SOILS
- \*\* STANDARD SILT FENCE IS FABRIC ROLLS STAPLED TO WOODEN POSTS DRIVEN 18 INCHES INTO THE GROUND.
- \*\*\* REINFORCED SILT FENCE IS FABRIC PLACED AGAINST WELDED WIRED MESH WITH ANCHORED STEEL POSTS DRIVEN 18 INCHES INTO THE GROUND.

**B3 SILT FENCE DETAIL**  
SCALE: NOT TO SCALE



**SAFETY FENCE NOTES:**

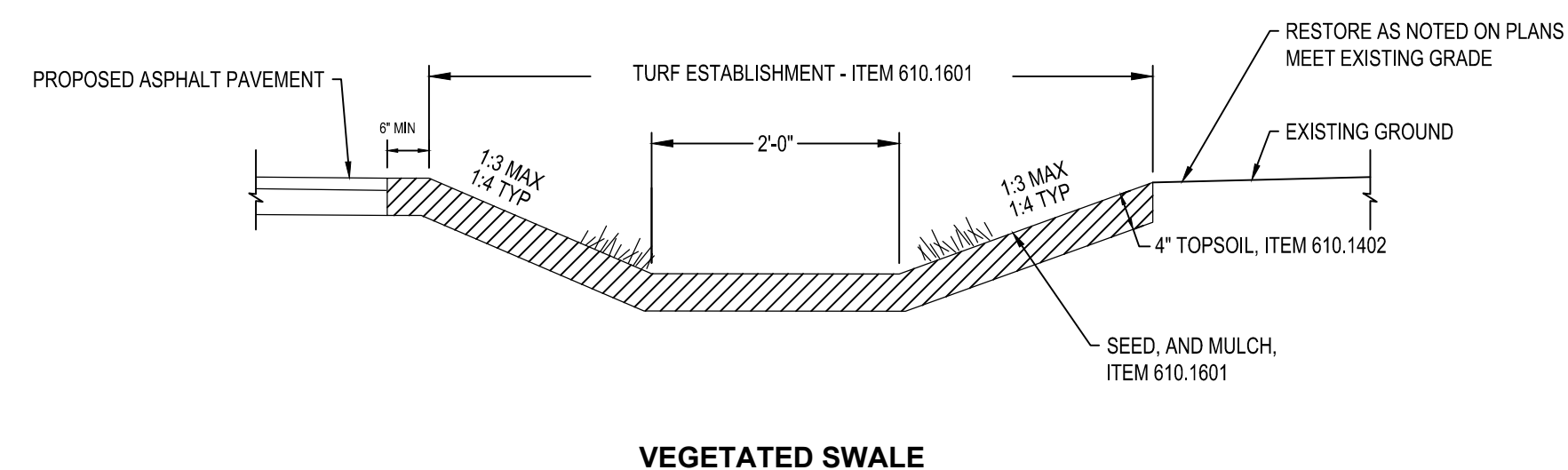
1. ALL COSTS ASSOCIATED WITH TEMPORARY SAFETY FENCE SHALL BE INCLUDED UNDER ITEM 607.41010010
2. AT PROJECT COMPLETION, ALL FENCE POSTS AND FABRIC SHALL BE REMOVED FROM THE PROJECT SITE AND SHALL REMAIN PROPERTY OF THE CONTRACTOR.
3. FENCE SHALL BE INSTALLED WITH THE FABRIC ON THE CONTRACTORS WORK AREA SIDE OF THE POST.
4. FENCE SHALL BE MAINTAINED FOR THE PROJECT DURATION AND REPAIRED IMMEDIATELY AS REQUESTED BY THE ENGINEER.
5. SIGNS STATING "PROTECTED SITE - KEEP OUT" ARE NOT REQUIRED.

**C4 TEMPORARY PLASTIC BARRIER FENCE DETAIL**  
SCALE: NOT TO SCALE

**FUEL & EQUIPMENT STORAGE NOTES**

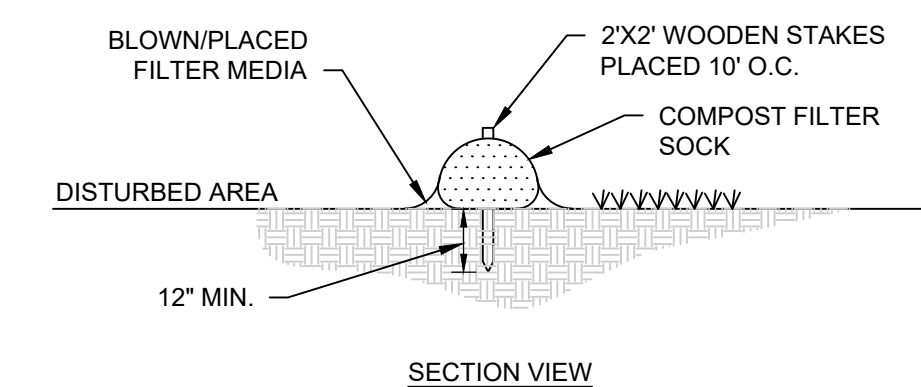
1. ALL CONSTRUCTION MATERIALS AND EQUIPMENT SHALL BE STORED IN AN AREA APPROVED BY THE EIC.
2. FUEL STORAGE SHALL BE CONDUCTED IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
3. ON SITE VEHICLE AND EQUIPMENT FUELING SHOULD ONLY OCCUR IN A DESIGNATED FUEL STORAGE AREA. SUBSTITUTE LOCATIONS MAY BE USED SUBJECT TO APPROVAL BY THE EIC.
4. VEHICLE AND EQUIPMENT FUELING (INCLUDING FUELING OF HAND HELD EQUIPMENT) SHALL BE CONDUCTED IN ACCORDANCE WITH THE FOLLOWING:
  - A. AWAY FROM STORM DRAIN INLETS, DRAINAGE FACILITIES, OR WATERCOURSES.
  - B. WITHIN A BERMED AREA TO PREVENT RUN-ON, RUNOFF, AND TO CONTAIN SPILLS.
  - C. STORE PORTABLE FUEL CONTAINERS FOR HAND HELD EQUIPMENT IN A TUB OR EQUIVALENT DEVICE TO AVOID SPILLS AND LEAKS.
  - D. USE SECONDARY CONTAINMENT TECHNIQUES FOR FUELING OF HAND HELD OR PORTABLE EQUIPMENT, SUCH AS DRAIN PANS OR DROP CLOTHS TO CATCH SPILLS OR LEAKS.
  - E. SIGNAGE THAT FUEL TANKS SHOULD NOT BE "TOPPED OFF": AN ADEQUATE SUPPLY OF SPILL CLEAN UP MATERIALS SHALL BE READILY ACCESSIBLE TO ALL FUELING ACTIVITIES.

**B4 FUEL STORAGE NOTES**  
SCALE: NOT TO SCALE

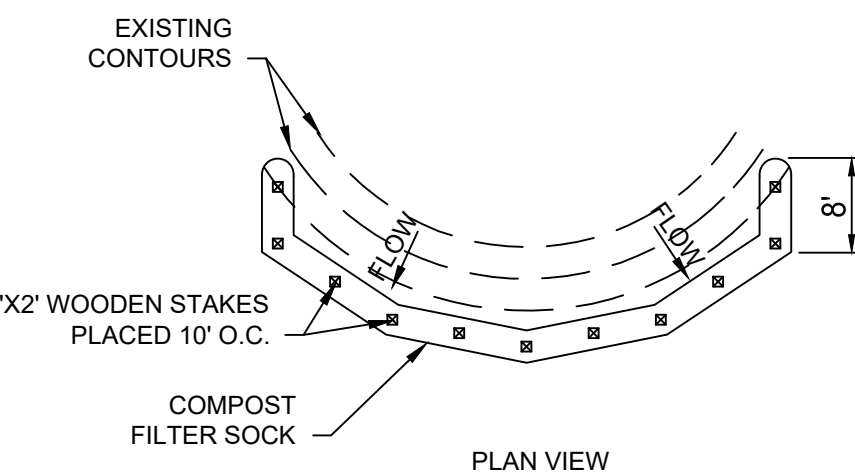


**VEGETATED SWALE**

**A1 VEGETATED SWALE DETAIL**  
SCALE: NOT TO SCALE



**SECTION VIEW**



**PLAN VIEW**

**ADAPTED FROM DETAILS PROVIDED BY: FILTEXX**

COMPOST STANDARDS TABLE	
ORGANIC MATTER CONTENT	25% - 100% (DRY WEIGHT)
ORGANIC PORTION	FIBROUS & ELONGATED
PH	6.0 - 8.0
MOISTURE CONTENT	30% - 60%
PARTICLE SIZE	100% PASSING A 1" SCREEN 10 - 50% PASSING A 3/4" SCREEN
SOLUBLE SALT CONCENTRATION	5.0 ds/M (mmhos/cm) MAXIMUM

**SEDIMENT FILTER LOG MAX SLOPE LENGTH (FEET)**

DIA. (IN.)	SLOPE %						
	2	5	10	20	25	33	50
12	250	225	125	65	50	40	25

1. SOCK FABRIC SHALL MEET STANDARDS OF TABLE 5.1 COMPOST SHALL MEET THE STANDARDS LISTED ON TABLE 5.2 OF THE NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
2. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 3 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT (FIGURE 5.2). STAKES MAY BE INSTALLED IMMEDIATELY DOWNSLOPE OF THE SOCK IF SO SPECIFIED BY THE MANUFACTURER.
3. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
4. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE ABOVE GROUND HEIGHT OF THE SOCK & DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
5. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
6. BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
7. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCKS, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.
8. ENDS OF SEDIMENT FILTER LOGS SHALL BE OVERLAPPED BY 24 INCHES AND STAKED SIDE BY SIDE. THE MAXIMUM SLOPE LENGTH (DISTANCE BETWEEN ROWS) SHALL NOT EXCEED THE FOLLOWING LIMITS
9. 12 INCH DIAMETER COMPOST FILTER SOCK SHALL BE PAID UNDER ITEM 209.2301.

**A3 COMPOST FILTER SOCK CHECK DAM**  
SCALE: NOT TO SCALE



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PHOENIX, NY 13135**

MARK	DATE	DESCRIPTION

**REVISIONS**

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DRAWN BY: J. OSWALD  
DESIGNED BY: M. MARCHEWKA  
CHECKED BY: K. GRAHAM, P.E.

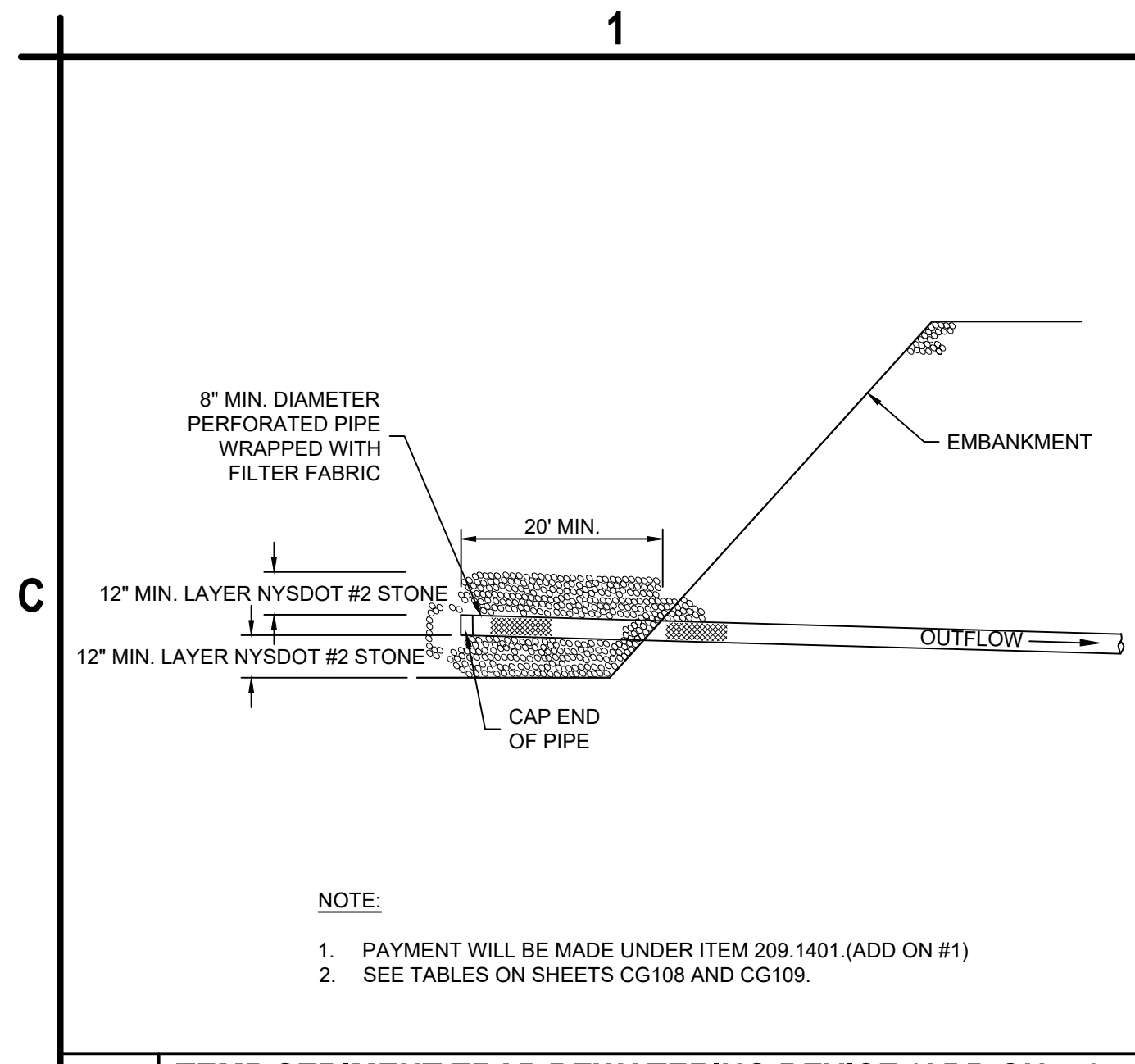
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**EROSION &  
SEDIMENT CONTROL  
DETAILS**

**CE501**

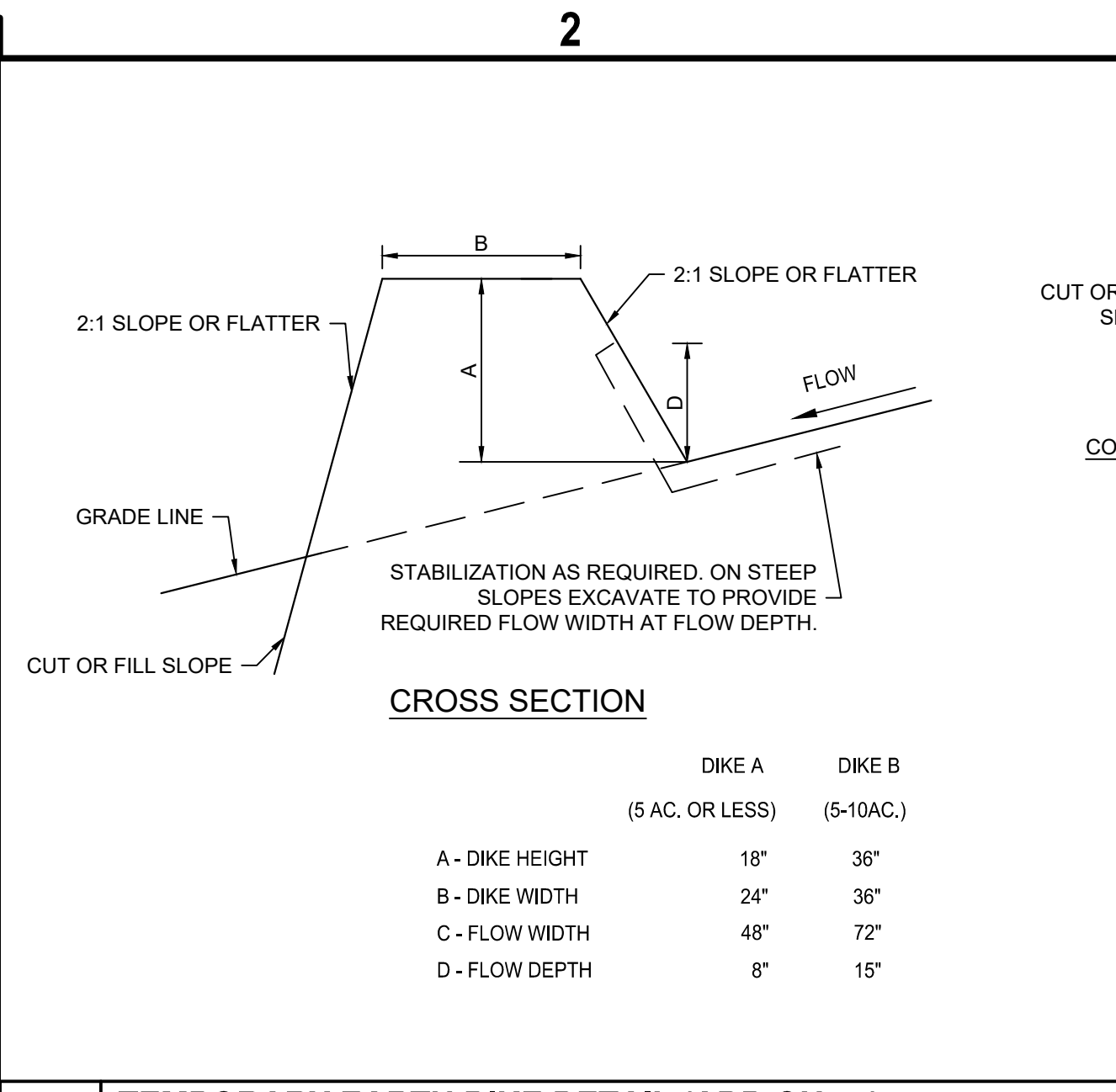
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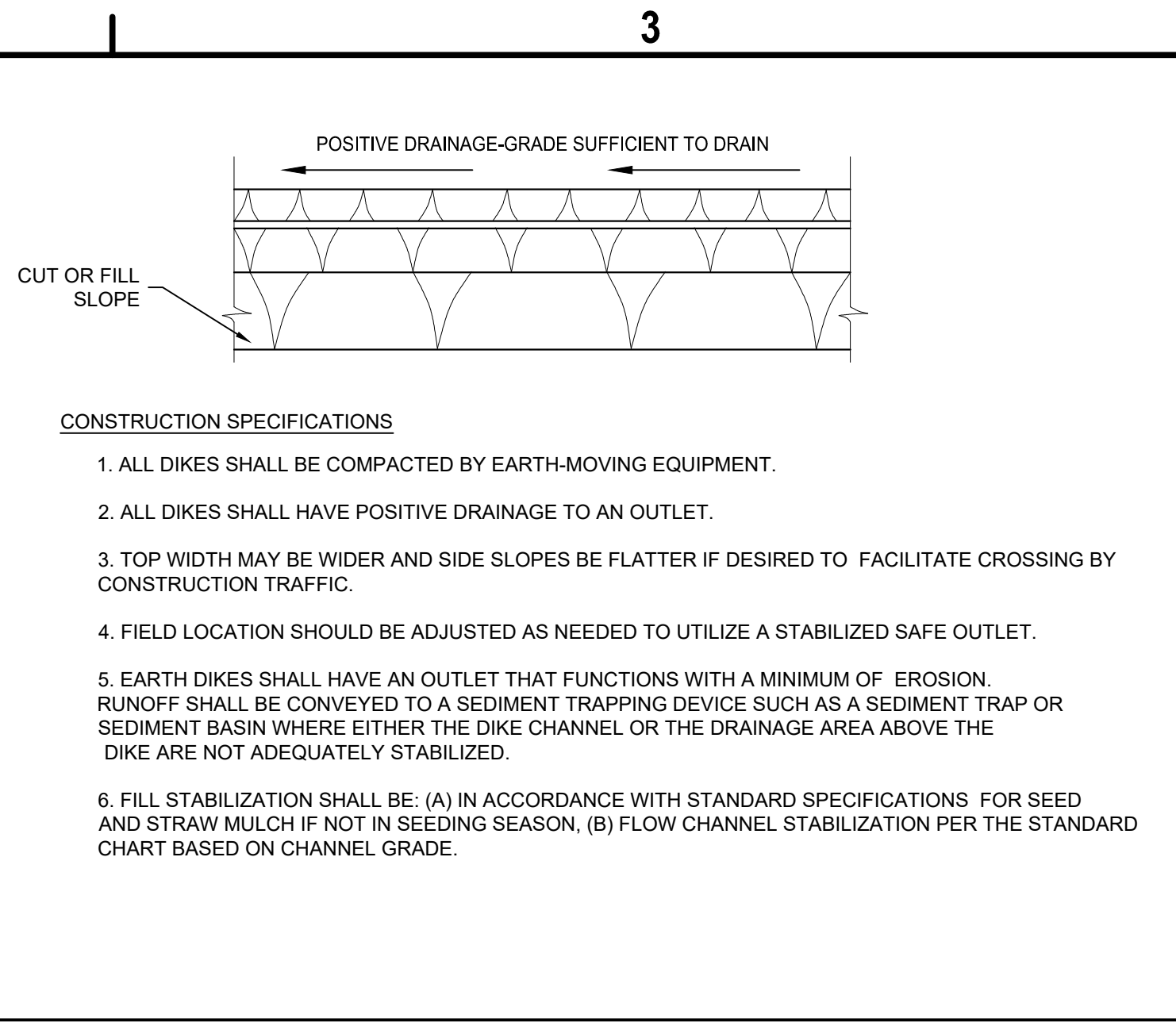


- NOTE:**
- PAYMENT WILL BE MADE UNDER ITEM 209.1401. (ADD ON #1)
  - SEE TABLES ON SHEETS CG108 AND CG109.

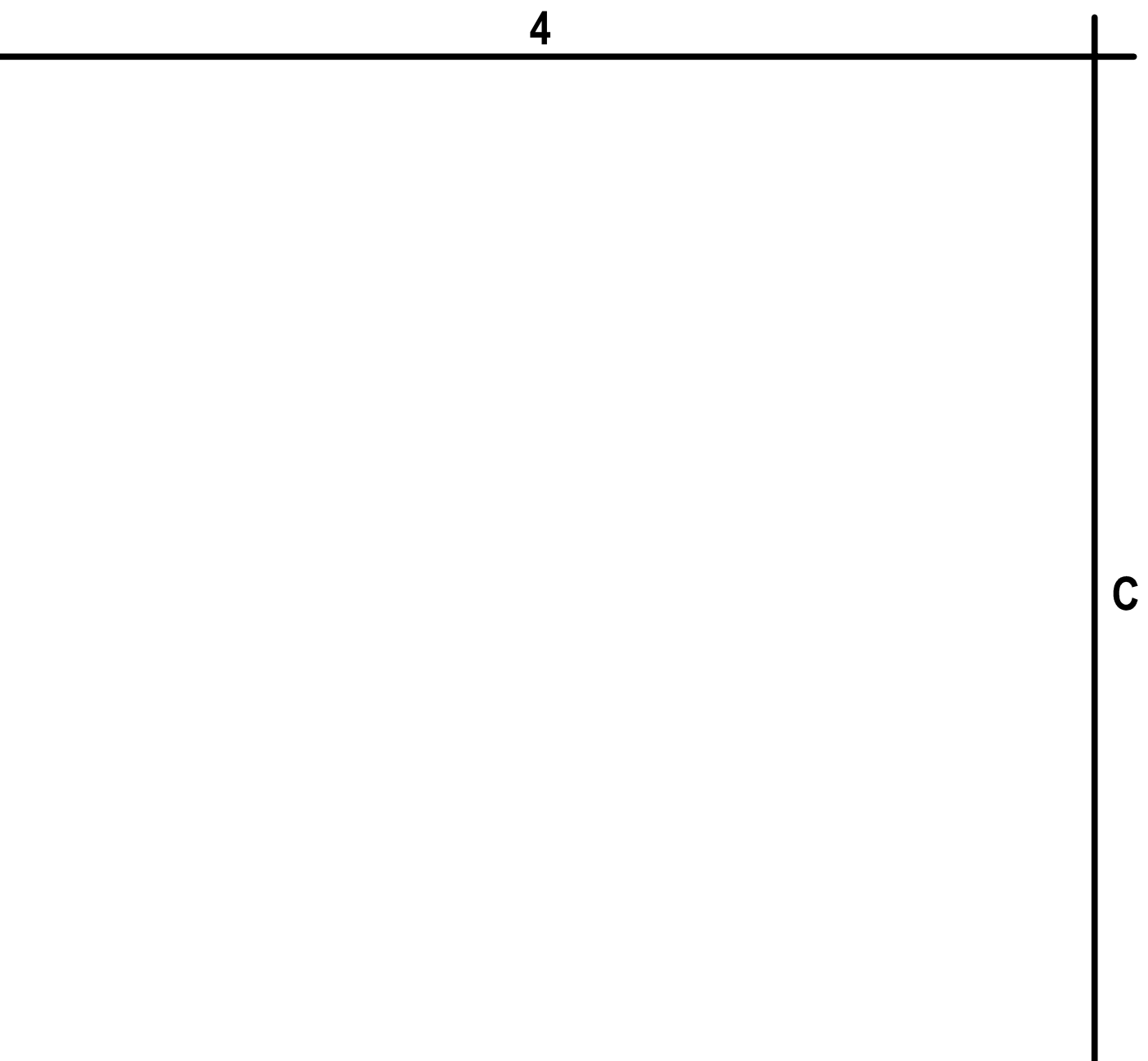
**C1** TEMP SEDIMENT TRAP DEWATERING DEVICE (ADD ON #1)  
SCALE: NOT TO SCALE



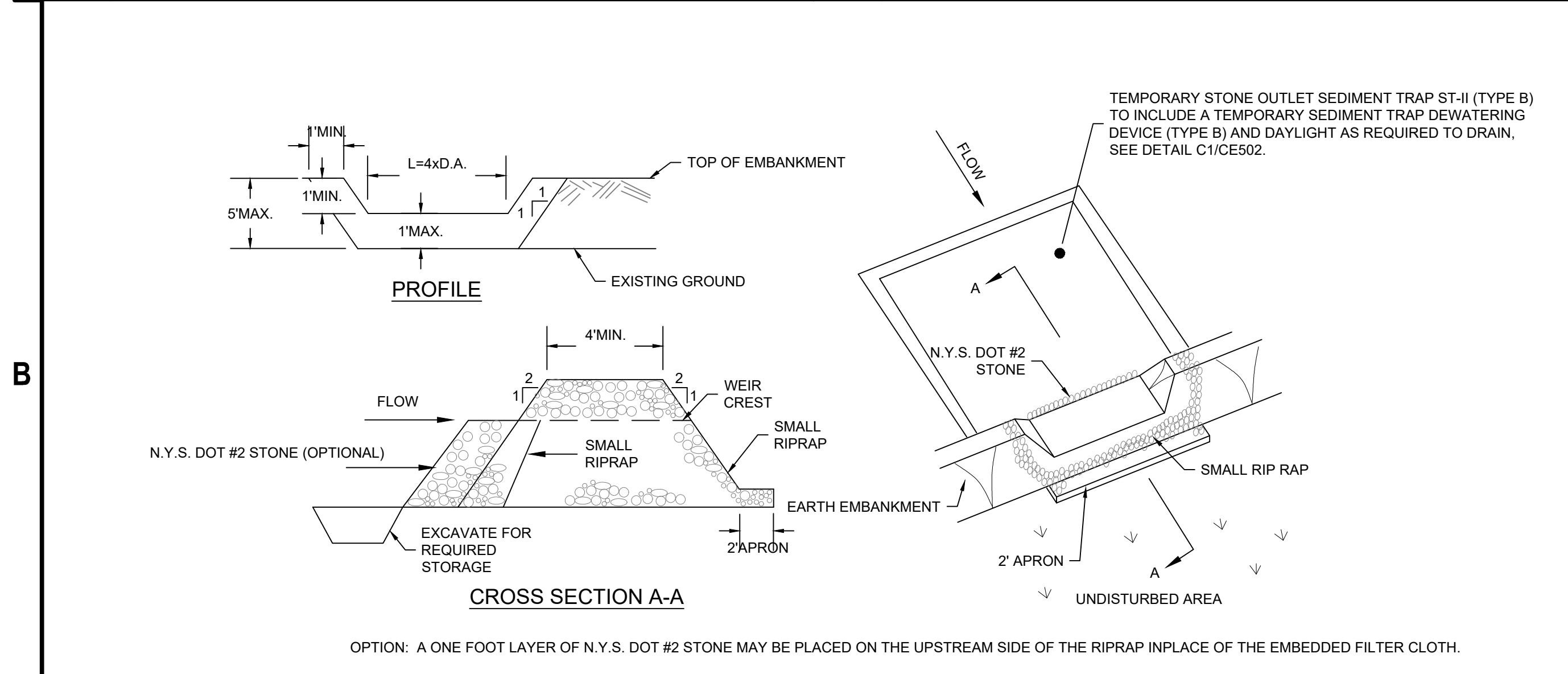
**C2** TEMPORARY EARTH DIKE DETAIL (ADD ON #1)  
SCALE: NOT TO SCALE



**A3** ROCK OUTLET PROTECTION DETAIL  
SCALE: NOT TO SCALE



**A4** TEMPORARY RISER PIPE DETAIL (ADD ON #1)  
SCALE: NOT TO SCALE



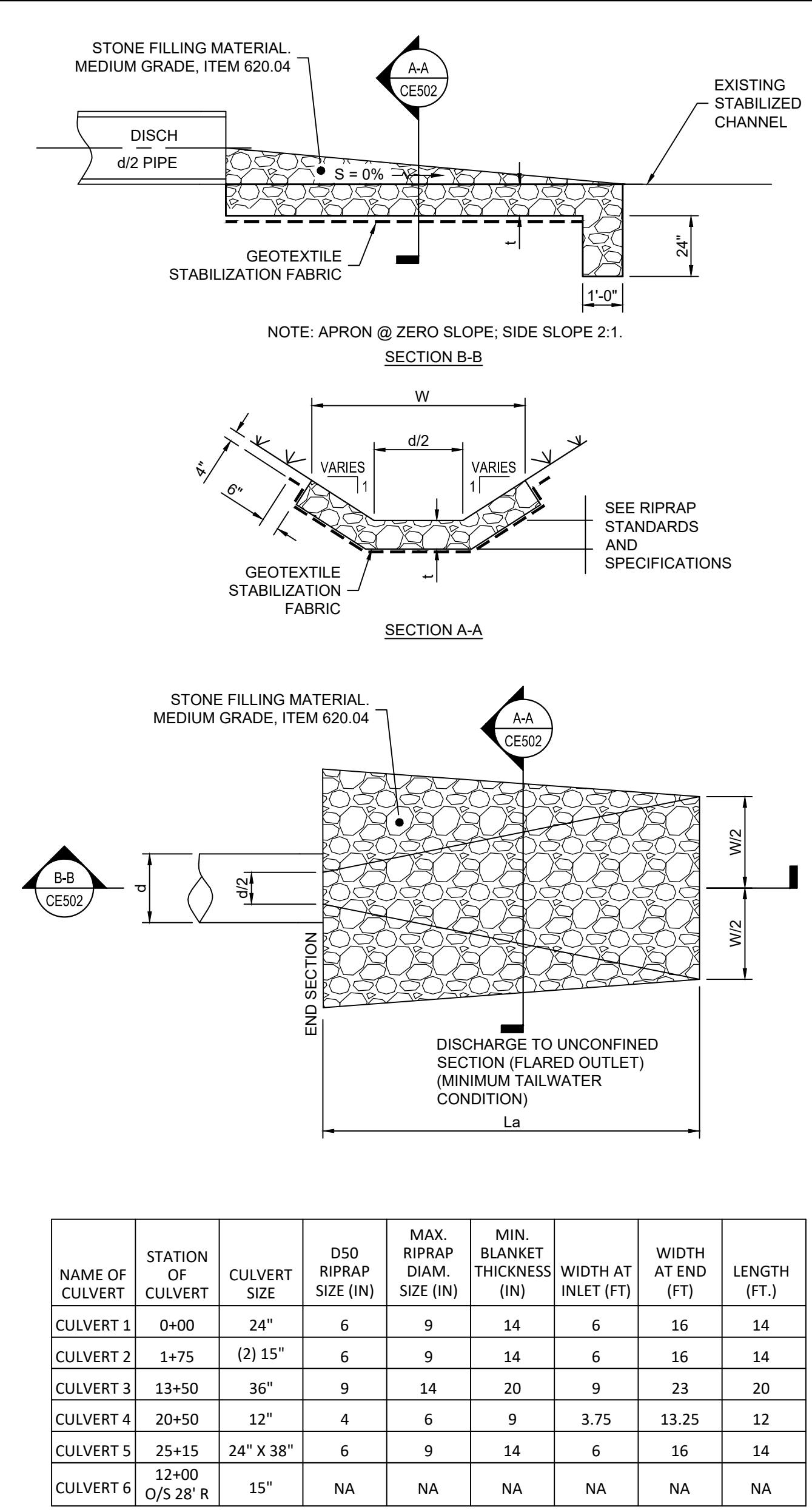
- CONSTRUCTION SPECIFICATIONS**
- AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.
  - THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS AND OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
  - ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.
  - THE STONE USED IN THE OUTLET SHALL BE SMALL RIPRAP 4"-8" ALONG WITH A 1" THICKNESS OF 2" AGGREGATE PLACED ON THE UP-GRADE SIDE ON THE SMALL RIPRAP OR EMBEDDED FILTER CLOTH IN THE RIPRAP.
  - SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. IT SHALL BE PLACED ON SITE AND STABILIZED.
  - THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
  - CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND SEDIMENT ARE CONTROLLED.
  - THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
  - SEDIMENT TRAP AND STONE OUTLET SHALL BE COVERED UNDER ITEM 209.1401.
- MAXIMUM DRAINAGE AREA: 5 ACRES

SEDIMENT TRAP NUMBER	LENGTH (FT.)	WIDTH (FT.)	SEDIMENT ZONE DEPTH (FT.)	DEWATERING ZONE DEPTH (FT.)	BOTTOM OF EMBANKMENT	TOP OF EMBANKMENT	SPILLWAY ELEV.	SPILLWAY WIDTH (FT.)	PAYMENT ITEM NO.
SEDIMENT TRAP 01	75	45	N/A	2.5	389	392.5	391.5	9	209.140101
SEDIMENT TRAP 02	135	45	N/A	2.5	390.5	394	393	17	209.140102
SEDIMENT TRAP 06	100	45	N/A	2.5	386.5	390	389	12	209.140106

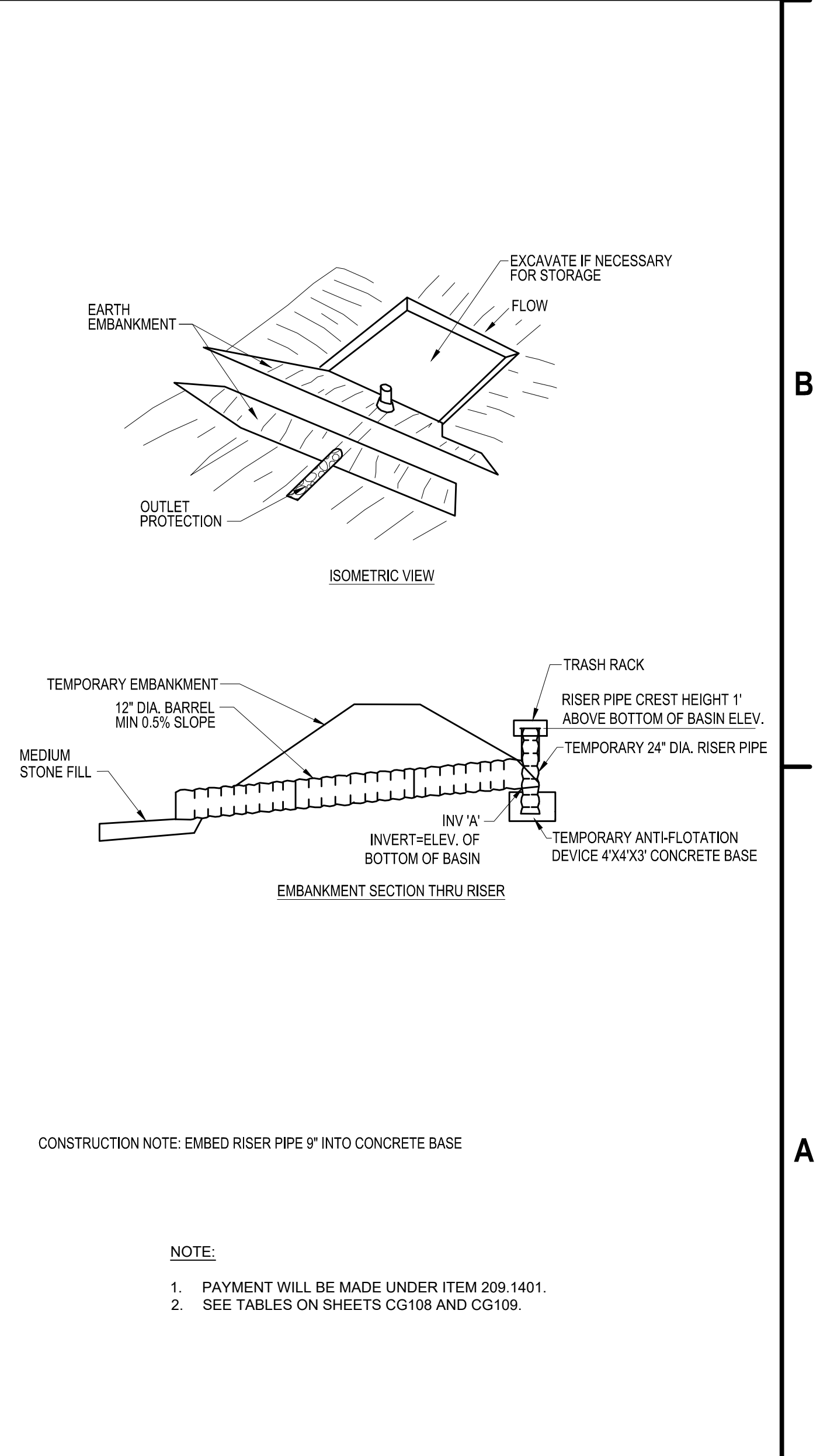
  

SEDIMENT BASIN NUMBER	LENGTH (FT.)	WIDTH (FT.)	SEDIMENT ZONE DEPTH (FT.)	DEWATERING ZONE DEPTH (FT.)	BOTTOM OF EMBANKMENT	TOP OF EMBANKMENT	SPILLWAY ELEV.	SPILLWAY WIDTH (FT.)	PAYMENT ITEM NO.
SEDIMENT BASIN 03	260	80	1	3	389	394	393	(2) 30	209.140103
SEDIMENT BASIN 04	150	75	1	3	394	399	398	38	209.140104
SEDIMENT BASIN 05	150	65	1	3	391	396	395	33	209.140105

**A1** TEMPORARY STONE OUTLET SEDIMENT TRAP ST-II (ADD ON #1)  
SCALE: NOT TO SCALE



**A3** ROCK OUTLET PROTECTION DETAIL  
SCALE: NOT TO SCALE



**A4** TEMPORARY RISER PIPE DETAIL (ADD ON #1)  
SCALE: NOT TO SCALE



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COUNTY OF OSWEGO INDUSTRIAL DEVELOPMENT AGENCY

**OSWEGO COUNTY - INDUSTRIAL  
PARK INFRASTRUCTURE  
EXPANSION PROJECT  
112 HARRIS DRIVE  
PHOENIX, NY 13135**

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO:	180.272.001
DATE:	MAY 2026
DRAWN BY:	M. MARCHEWKA
DESIGNED BY:	M. MARCHEWKA
CHECKED BY:	K. GRAHAM, P.E.

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

**EROSION & SEDIMENT CONTROL  
DETAILS**

**CE502**

SHEET NO. 53 OF 73

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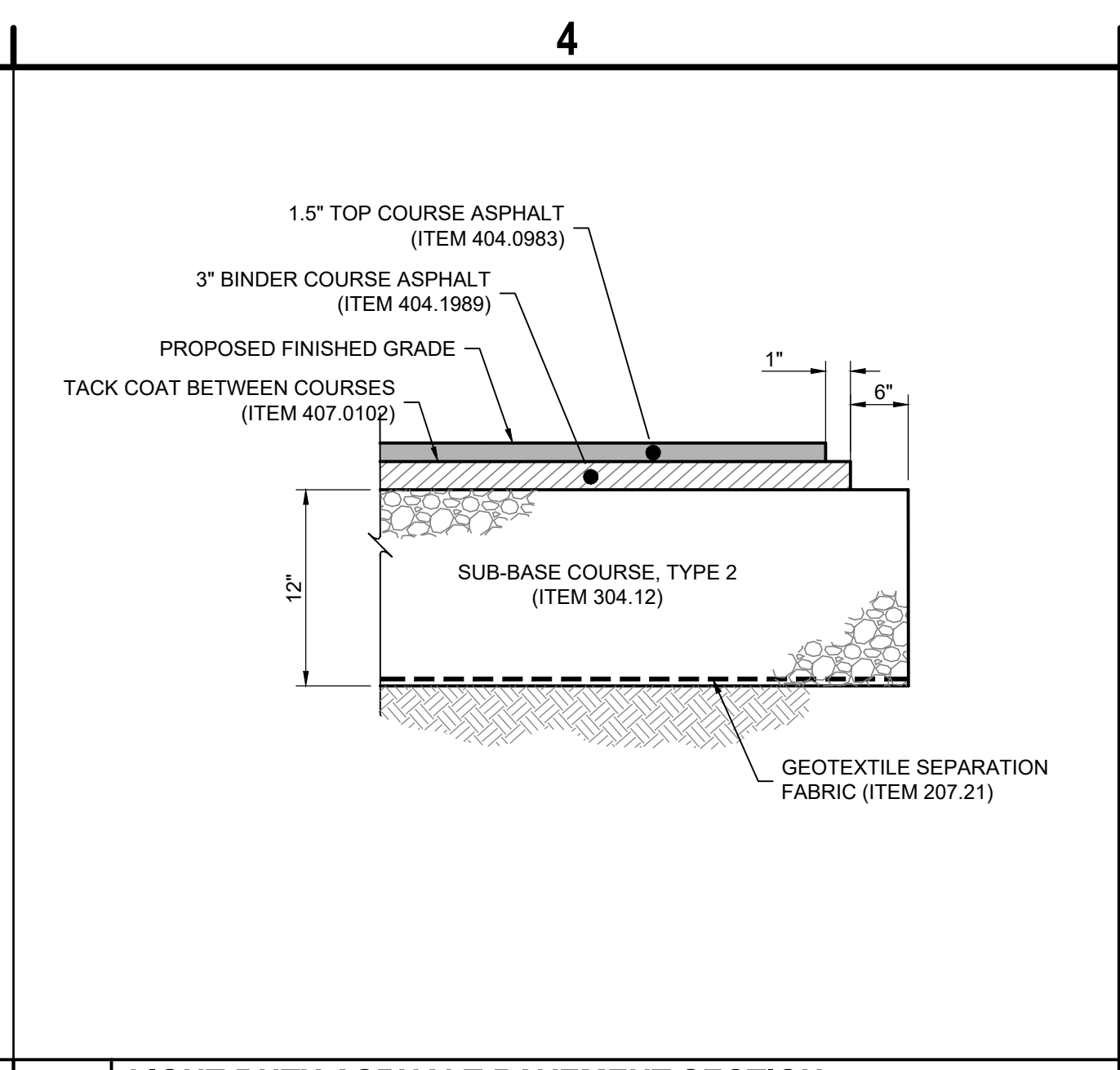
COUNTY OF OSWEGO INDUSTRIAL DEVELOPMENT AGENCY

**OSWEGO COUNTY - INDUSTRIAL  
 PARK INFRASTRUCTURE  
 EXPANSION PROJECT  
 112 HARRIS DRIVE  
 PHOENIX, NY 13135**

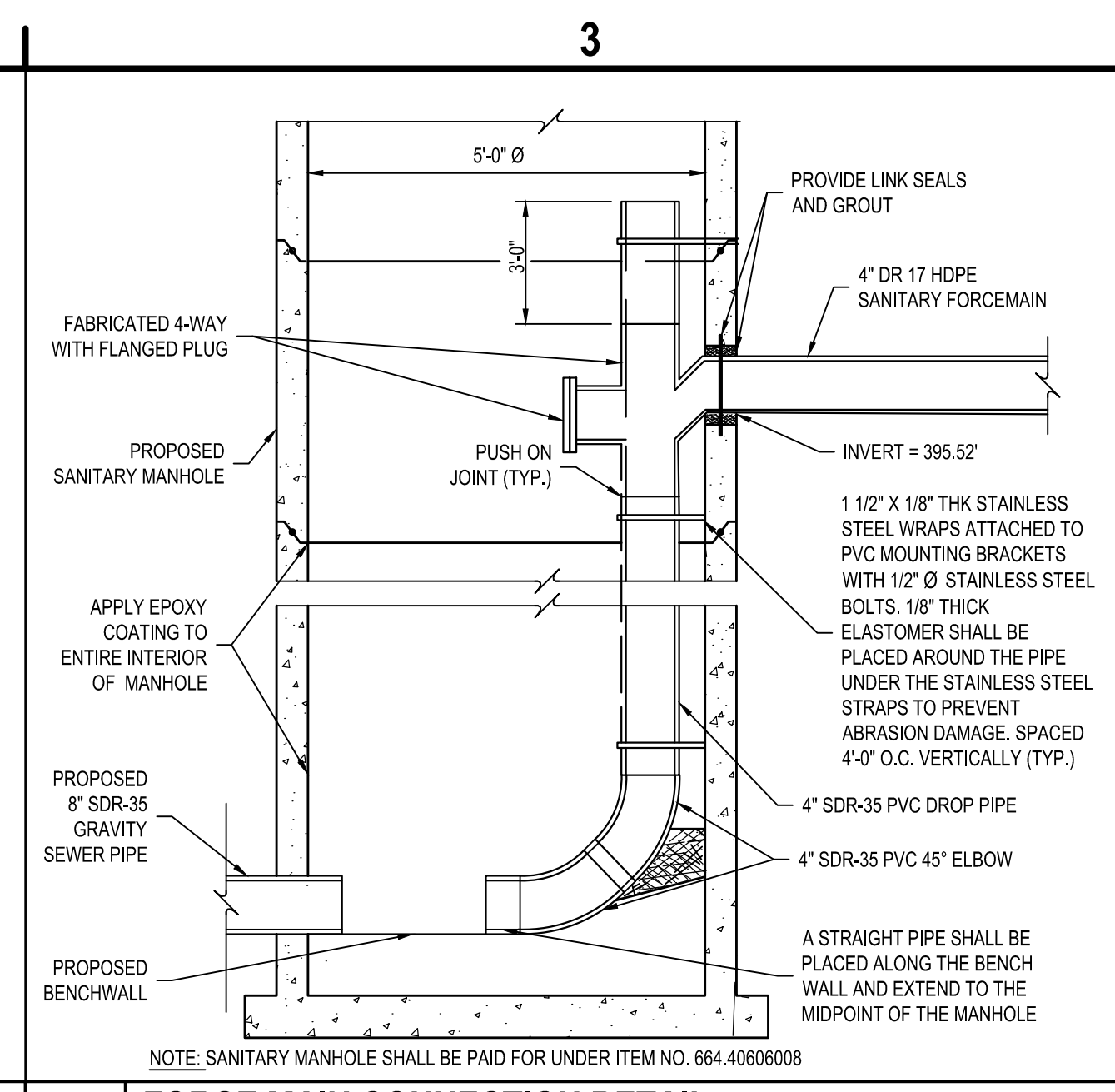
MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: 180.272.001		
DATE: MAY 2026		
DRAWN BY: J. OSWALD		
DESIGNED BY: M. MARCHEWKA		
CHECKED BY: K. GRAHAM, P.E.		
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

**SITE DETAILS**

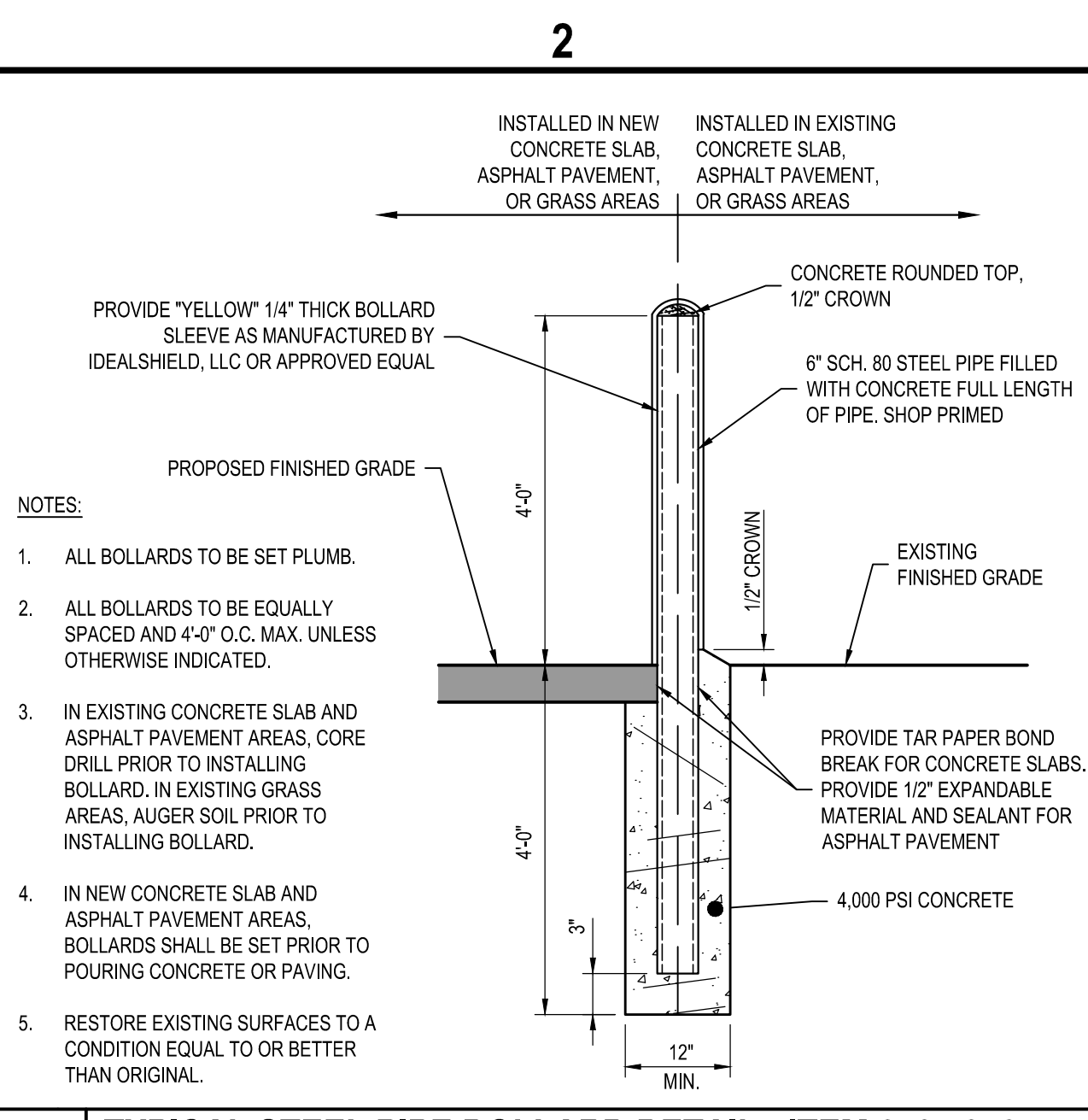
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 SHEET NO. 54 OF 73  
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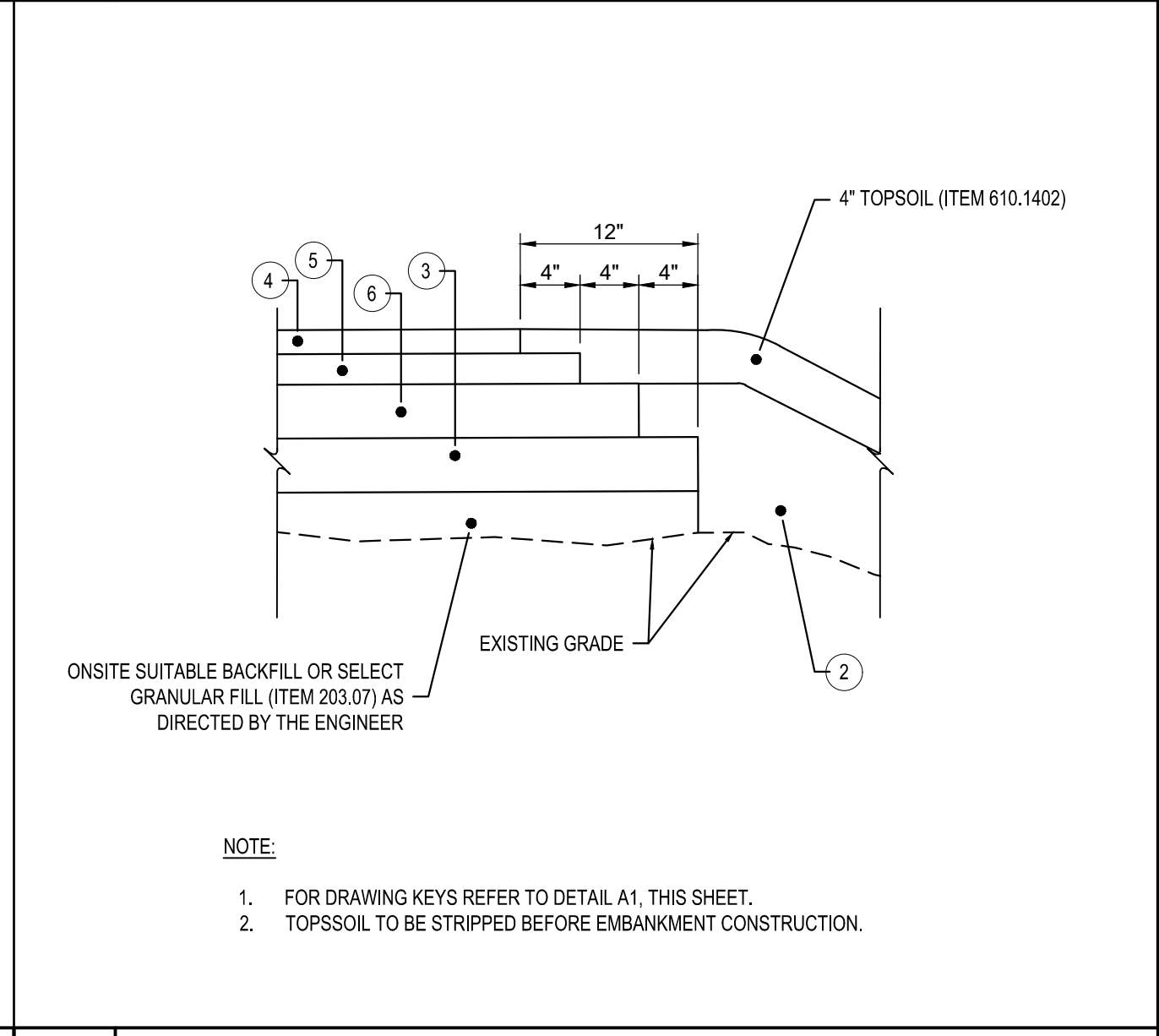
**C4 LIGHT DUTY ASPHALT PAVEMENT SECTION**  
 SCALE: NOT TO SCALE



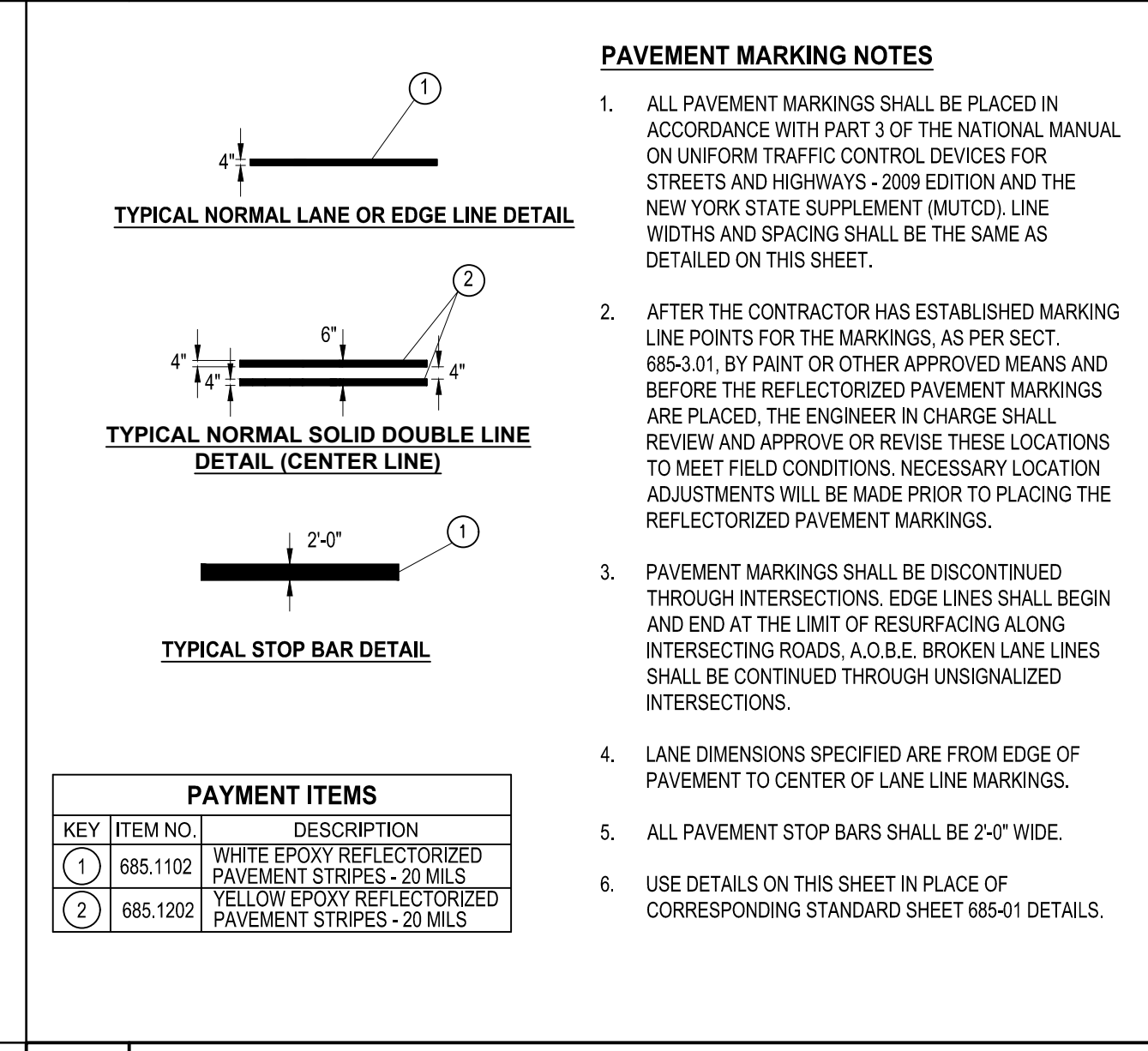
**C3 FORCE MAIN CONNECTION DETAIL**  
 SCALE: NOT TO SCALE



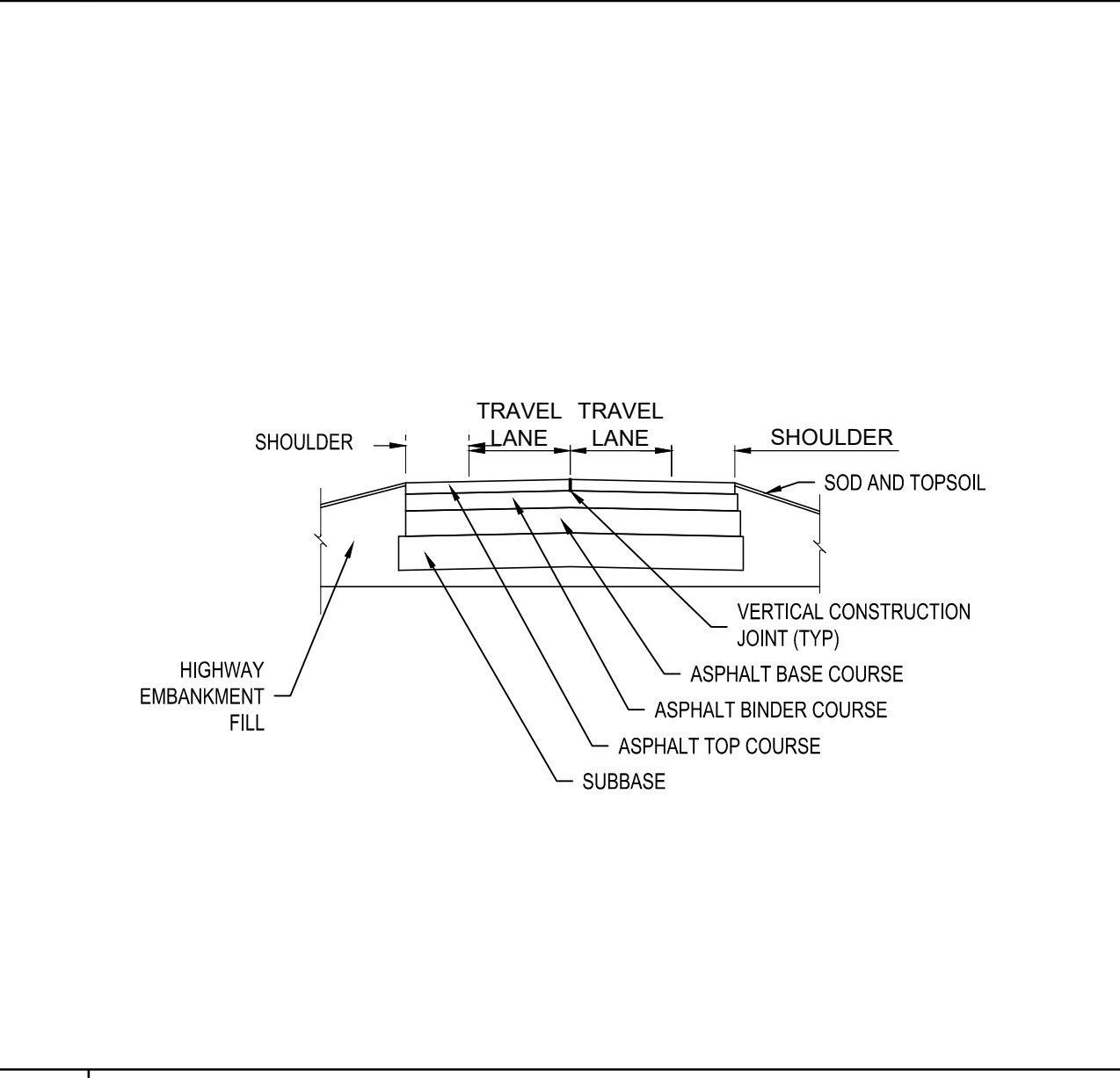
**C2 TYPICAL STEEL PIPE BOLLARD DETAIL - ITEM 618.7810115**  
 SCALE: NOT TO SCALE



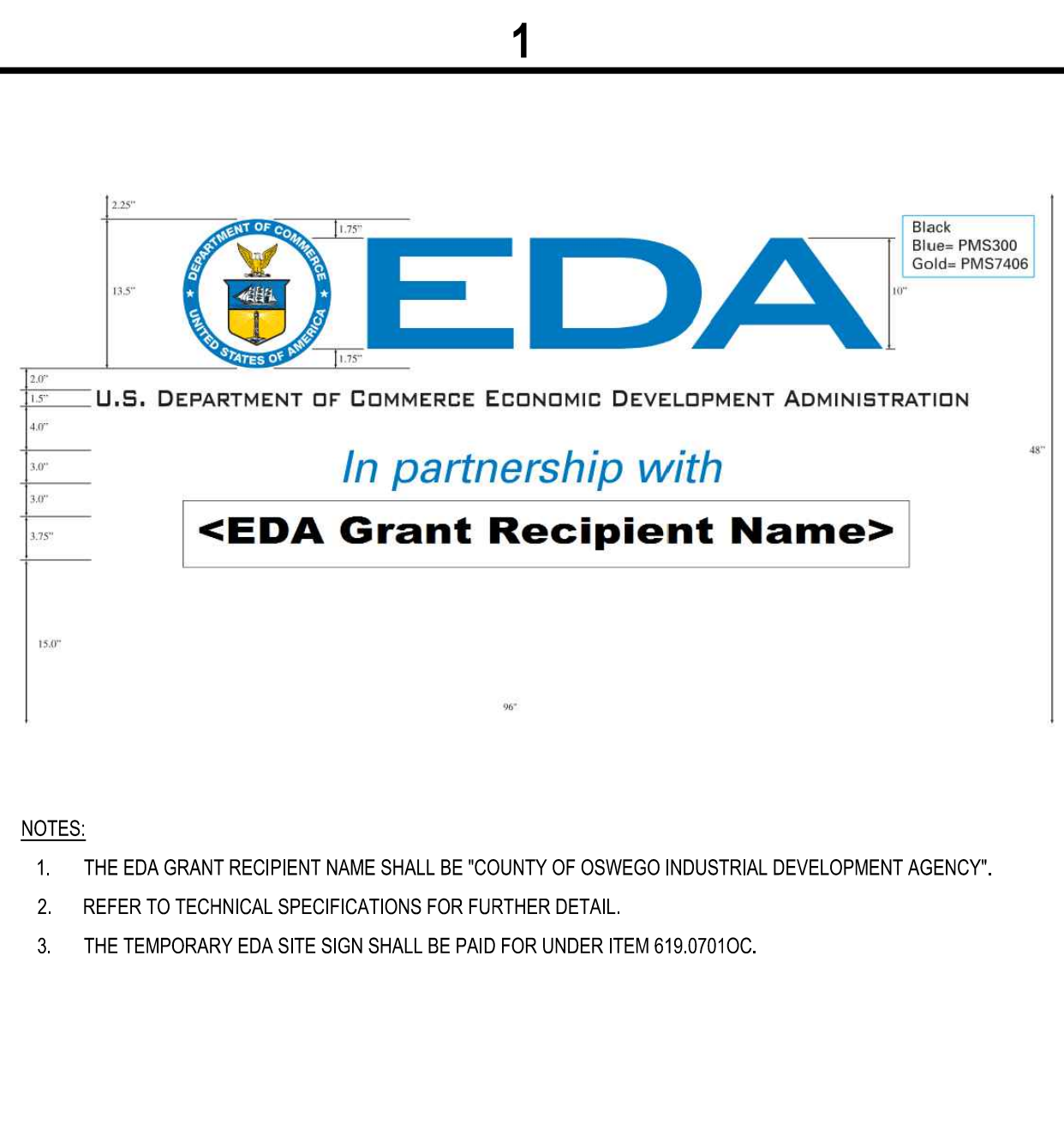
**B4 PAVEMENT STEPS**  
 SCALE: 1/4\"/>



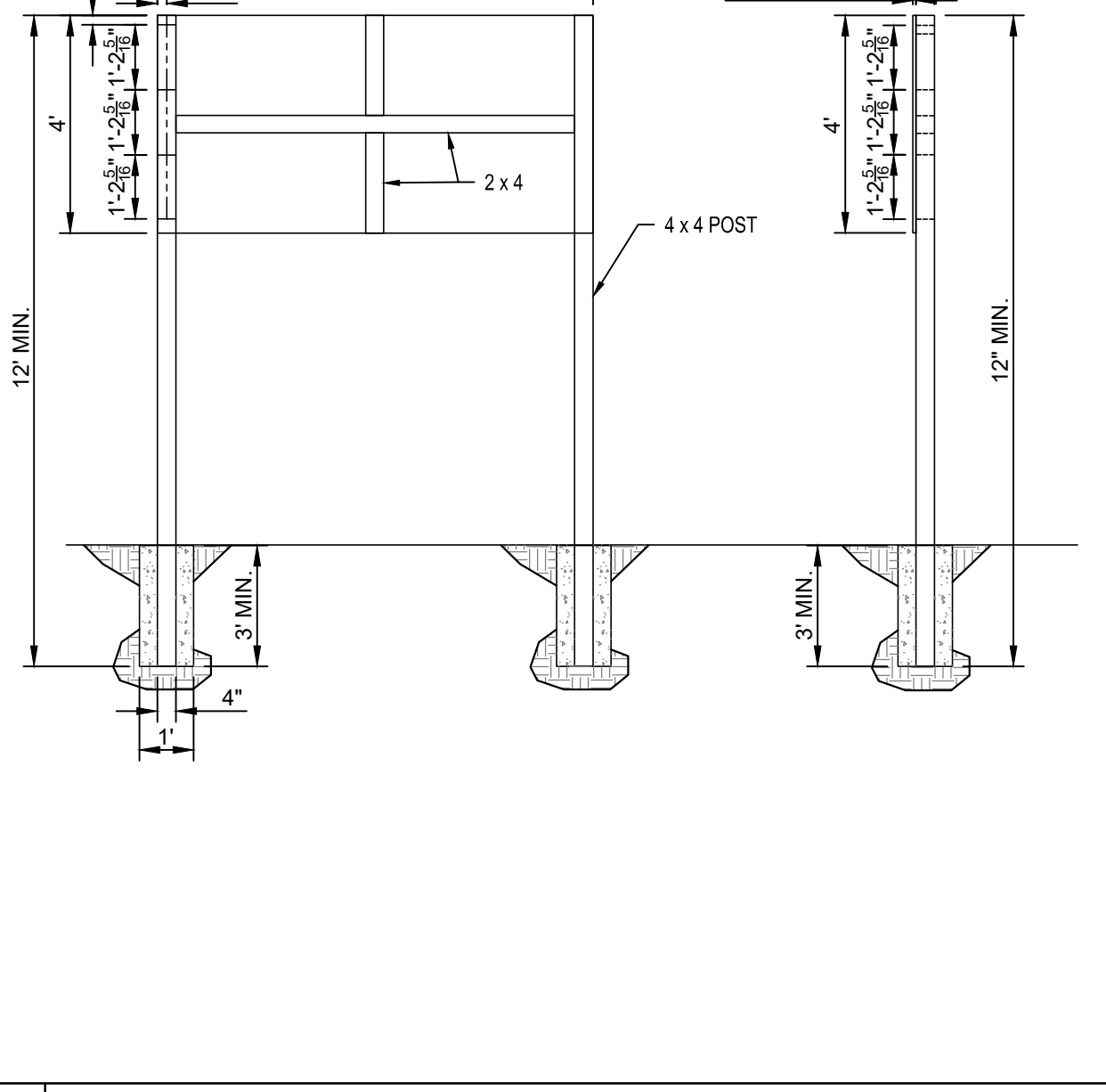
**B3 PAVEMENT MARKINGS DETAILS**  
 SCALE: 1/4\"/>



**B2 ASPHALT PAVEMENT JOINT ADHESIVE - ITEM 418.7603**  
 SCALE: NOT TO SCALE



**B1 ECONOMIC DEVELOPMENT AGENCY PROJECT SIGN**  
 SCALE: NOT TO SCALE

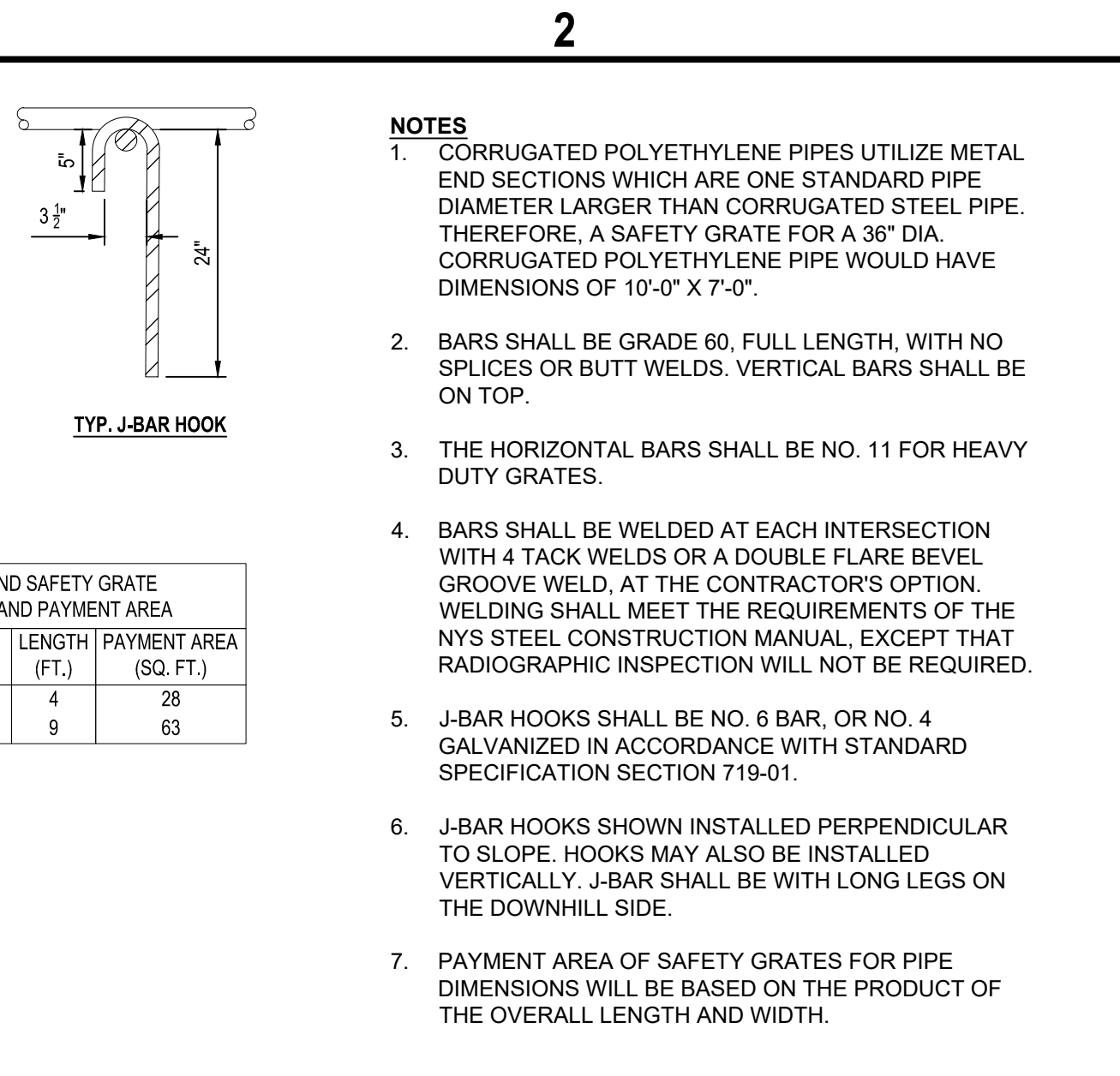
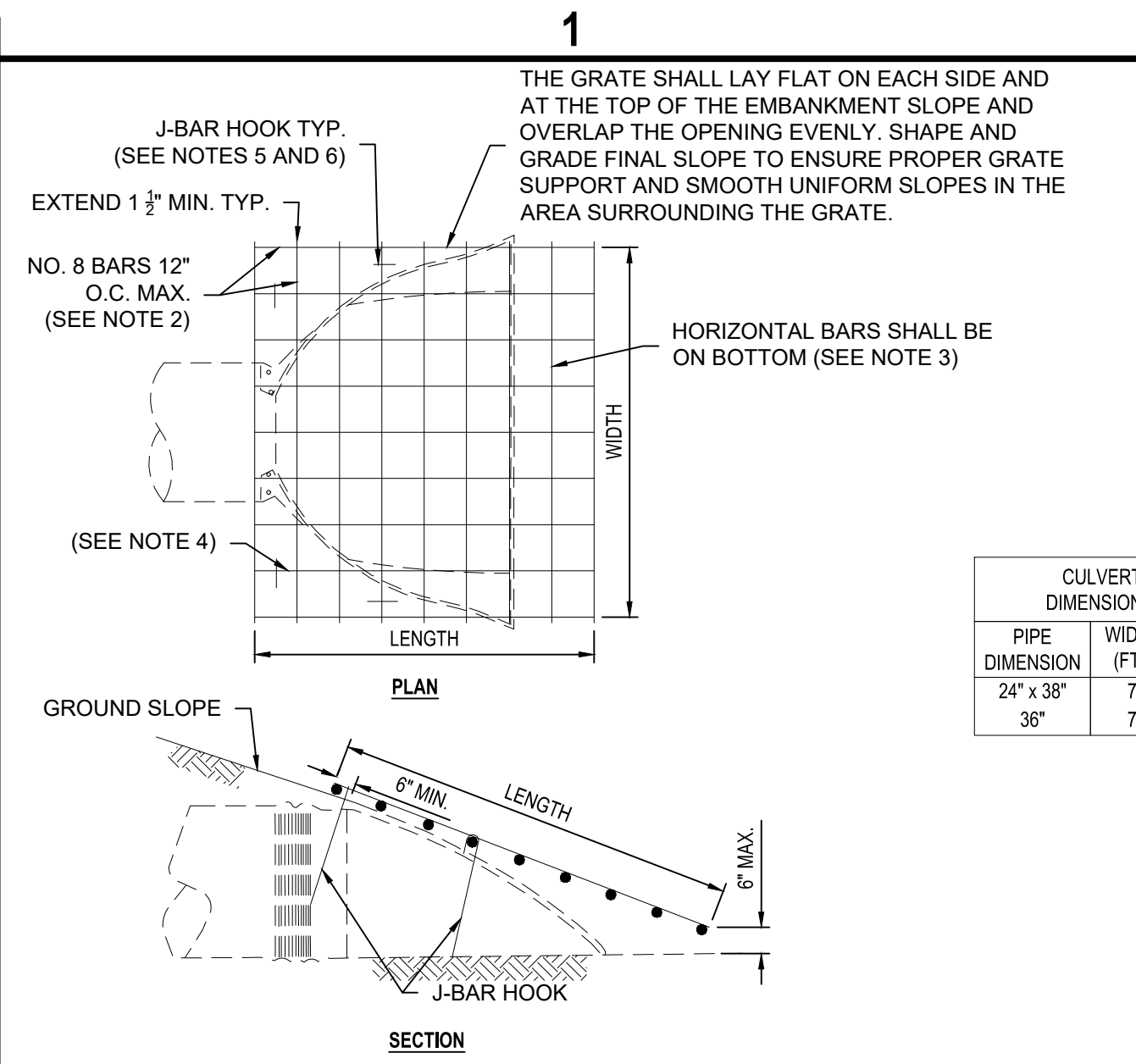


**A1 ASPHALT PAVEMENT SECTION**  
 SCALE: NOT TO SCALE

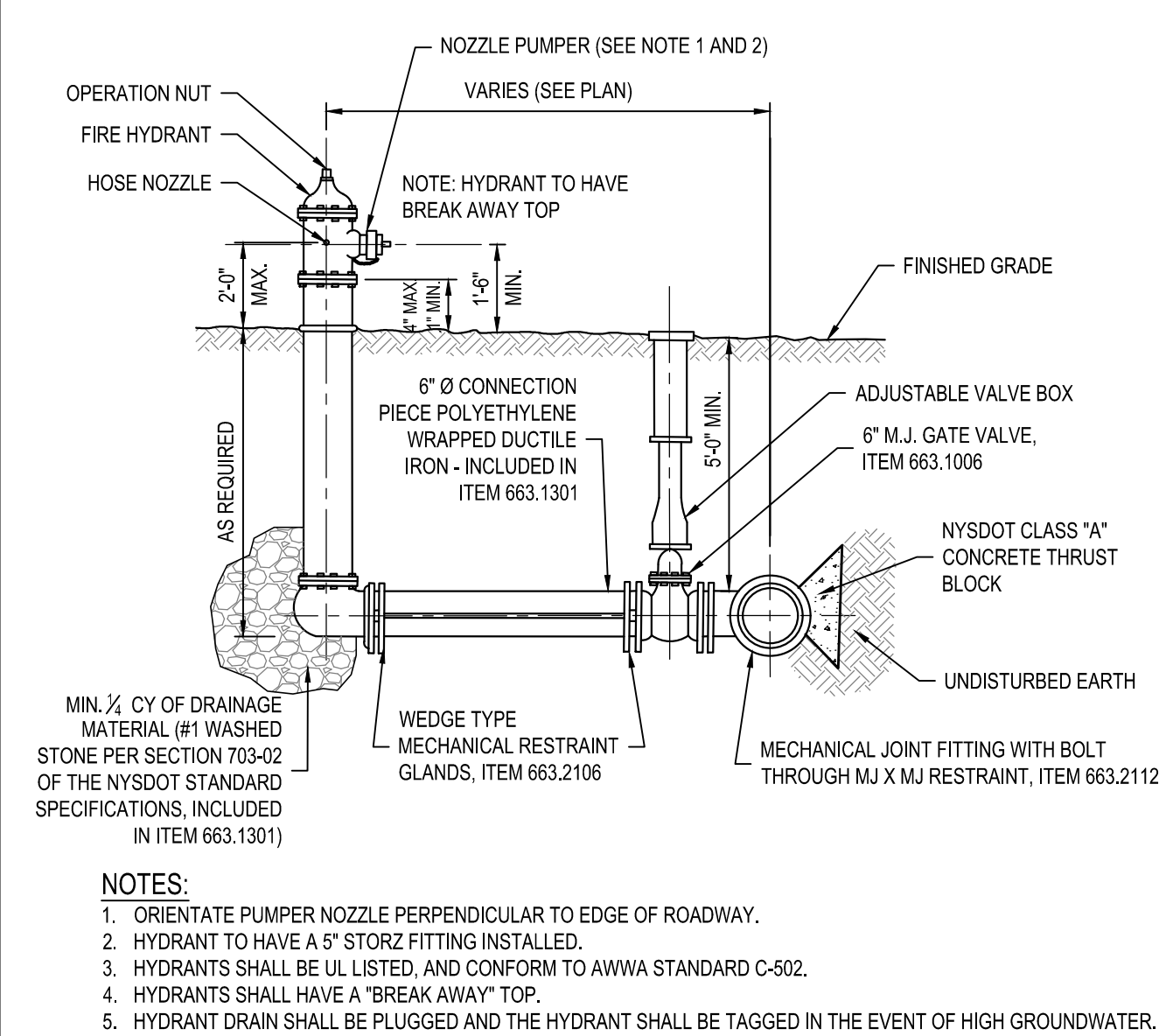
DRAWING KEY	DESCRIPTION
1	UNCLASSIFIED EXCAVATION AND DISPOSAL, NYS DOT ITEM 203.02
2	EMBANKMENT IN PLACE, NYS DOT ITEM 203.03
3	SUB-BASE COURSE, TYPE 2, NYS DOT ITEM 304.12
4	9.5 F3 TOP COURSE HMA, 80 SERIES COMPACTION, NYS DOT ITEM 404.0983
5	19 F9 BINDER COURSE HMA, 80 SERIES COMPACTION, NYS DOT ITEM 404.1989
6	37.5 F9 BASE COURSE HMA, 80 SERIES COMPACTION, NYS DOT ITEM 404.3789
7	DILUTED TACK COAT, NYS DOT ITEM 407.0102
8	ASPHALT PAVEMENT JOINT ADHESIVE, NYS DOT ITEM 418.7603
9	TURF ESTABLISHMENT - NYS DOT ITEM 610.1601
10	GEOTEXTILE SEPARATION FABRIC - NYS DOT ITEM 207.21

- NOTES:**
- UNDERCUT MAY BE REQUIRED BEYOND THE QUANTITIES SHOWN ON THE TABLE OF EARTHWORK AS DETERMINED UNDER SECTION 203-3.02C "PROOF ROLLING IN CUT SECTIONS". ITEM 203.02 UNCLASSIFIED EXCAVATION AND DISPOSAL (ADDITIONAL EXCAVATION BELOW SUBGRADE TO BE GRADED ONSITE) IN THE TABLE OF QUANTITIES ASSUMES 2'-0" OF UNDERCUT. UNDERCUT WILL BE PAID FOR AT THE UNIT PRICE BID FOR ITEM 203.02 (UNCLASSIFIED EXCAVATION AND DISPOSAL) BACKFILL IN UNDERCUT AREAS SHALL BE ITEM 203.07 (SELECT GRANULAR FILL - BELOW PAVEMENT SUBBASE). THE COST OF ALL OTHER INCIDENTAL WORK SHALL BE INCLUDED IN THE PRICE FOR EXCAVATION. FINAL DETERMINATION TO BE MADE ONSITE BY ENGINEER.
  - LIMITS FOR ESTABLISHING TURF SHALL BE FROM THE OUTSIDE EDGE OF THE STABILIZED SHOULDER TO THE POINT WHERE WORK INTERSECTS THE EXISTING GROUND AS ORDERED BY ENGINEER. BEGIN TOPSOIL AT DAYLIGHT POINT.
  - ASPHALT PAVEMENT JOINT ADHESIVE (ITEM 418.7603) SHALL BE APPLIED TO ALL TOP COURSE VERTICAL FACES.
  - DILUTED TACK COAT (ITEM 407.0102) SHALL BE PLACED BETWEEN ALL SUPERPAVE ASPHALT COURSE AND BETWEEN MILLED SURFACE AND SUPERPAVE ASPHALT COURSE.
  - REFER TO NYS DOT STANDARD SHEET 203-02 FOR STANDARD BENCHING DETAILS.

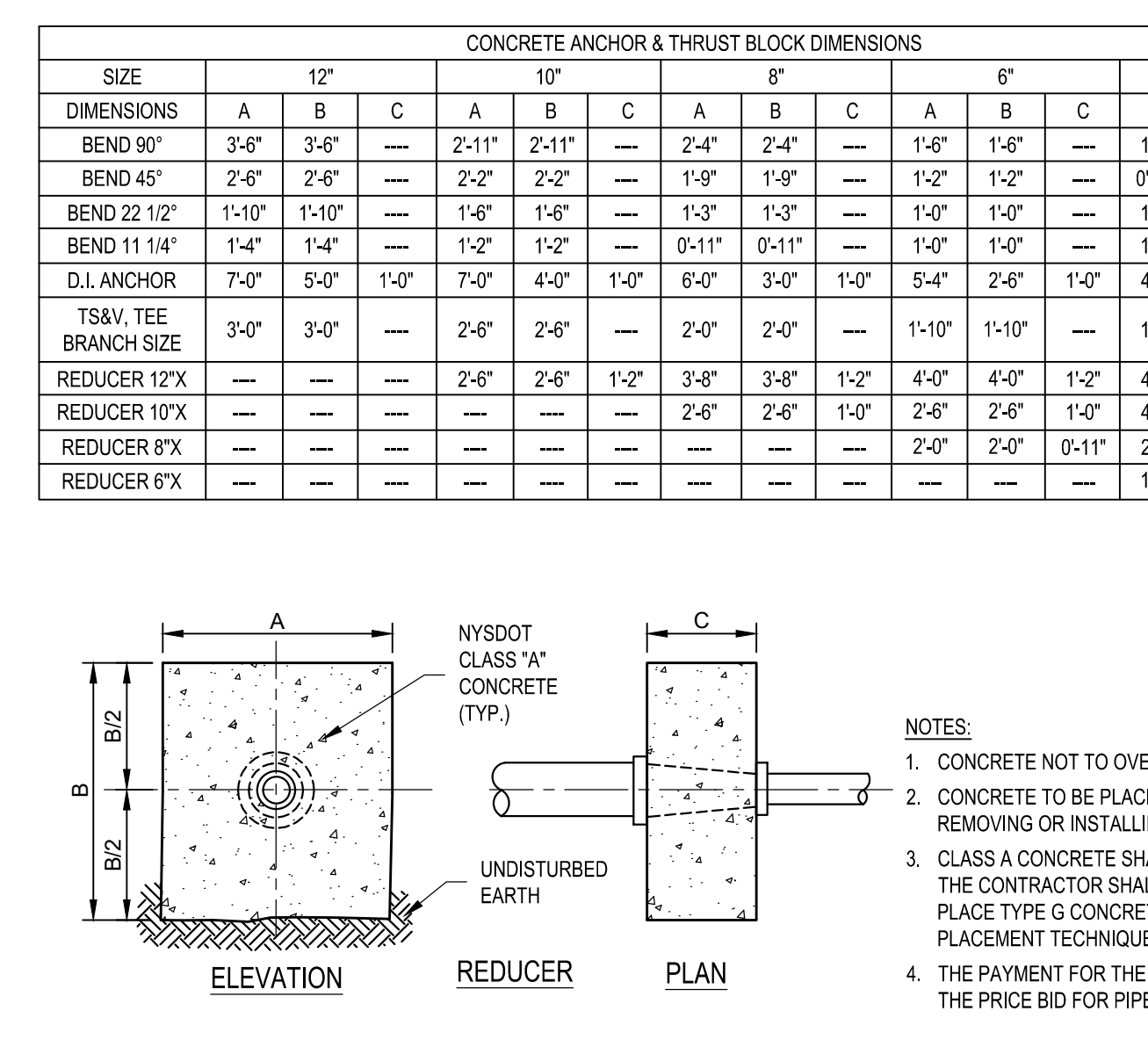
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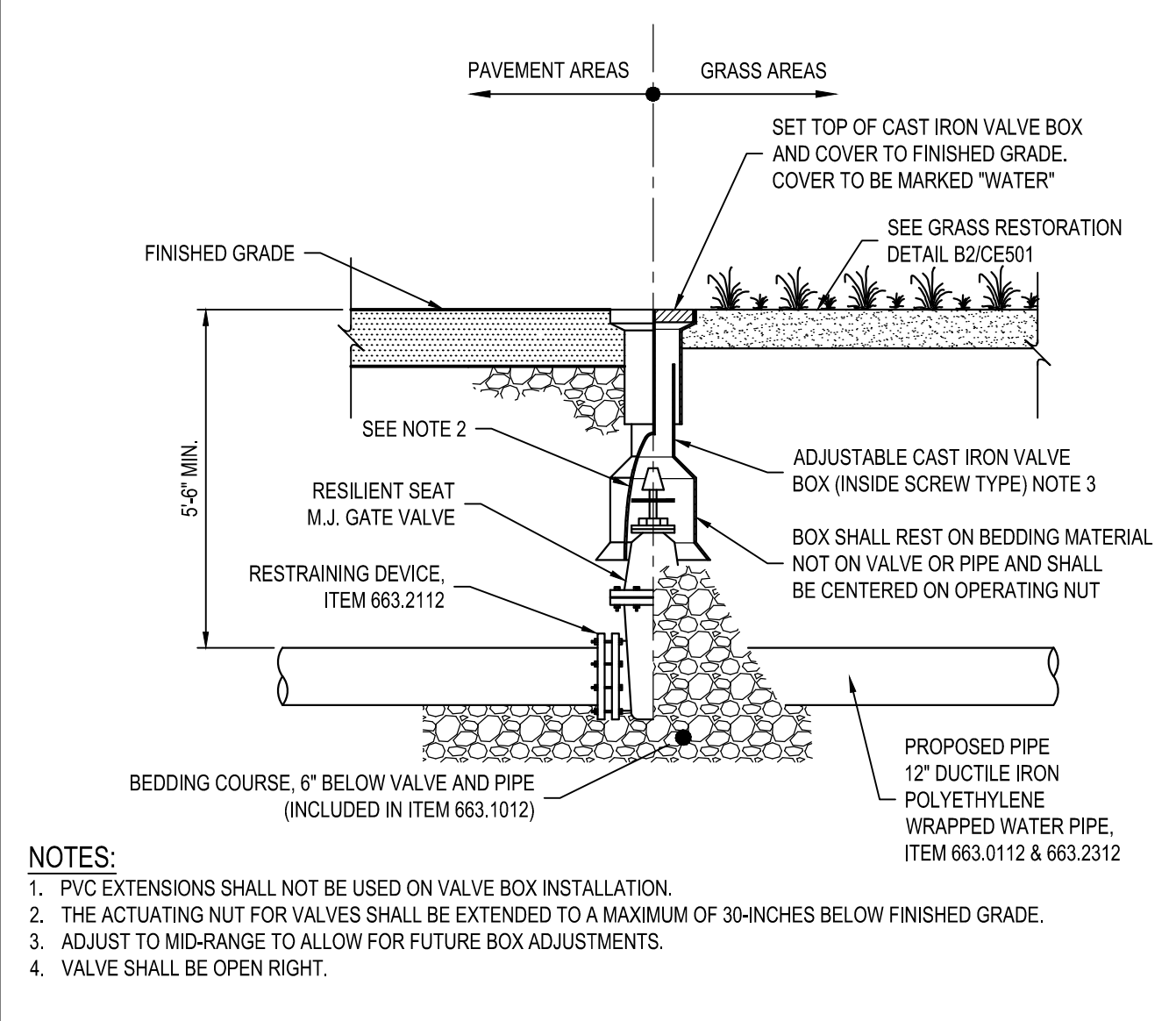
**C1 CULVERT-END SAFETY GRATE - ITEM 603.0101**  
SCALE: NOT TO SCALE



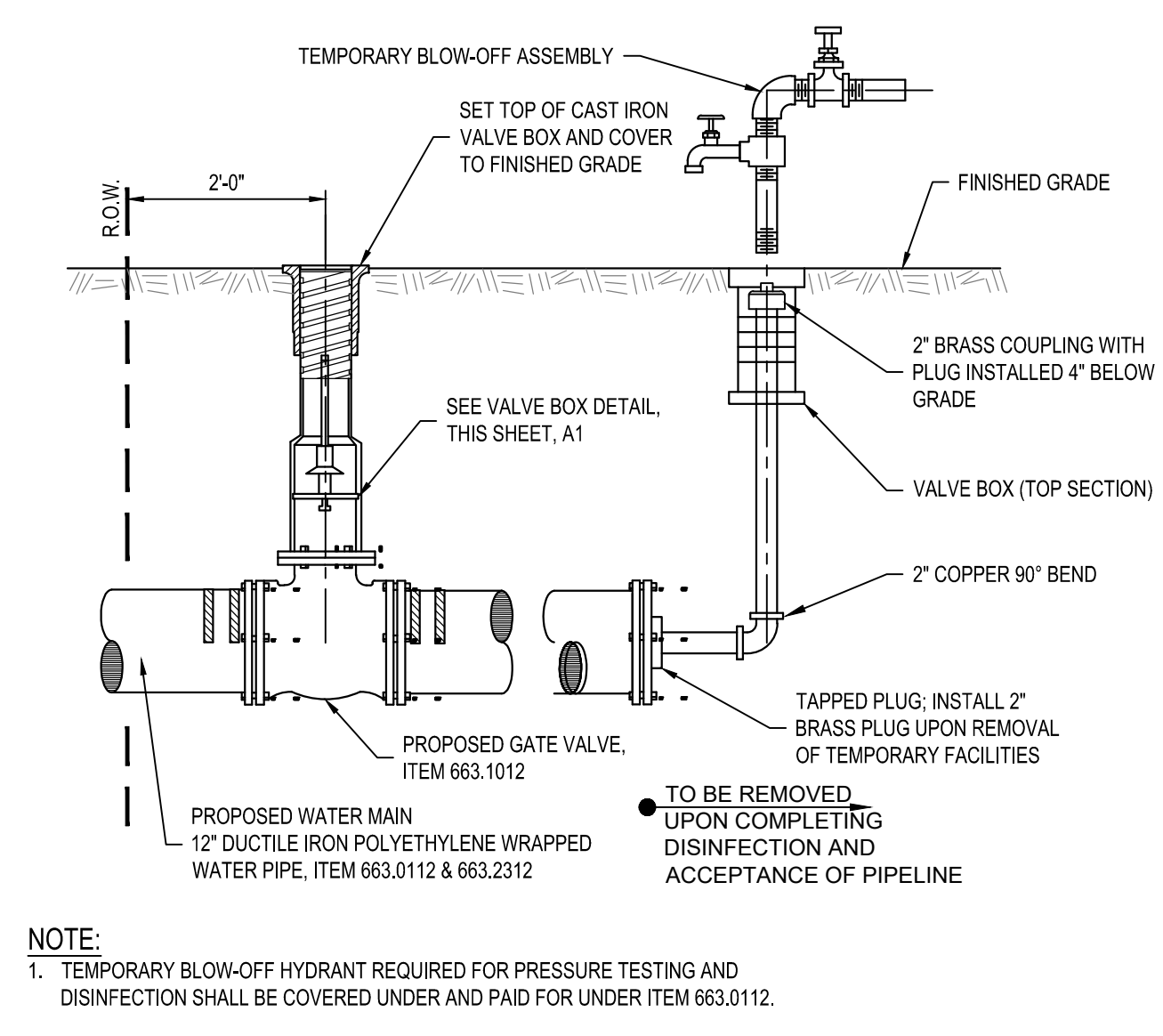
**B1 FIRE HYDRANT ASSEMBLY DETAIL - ITEM 663.1301**  
SCALE: NOT TO SCALE



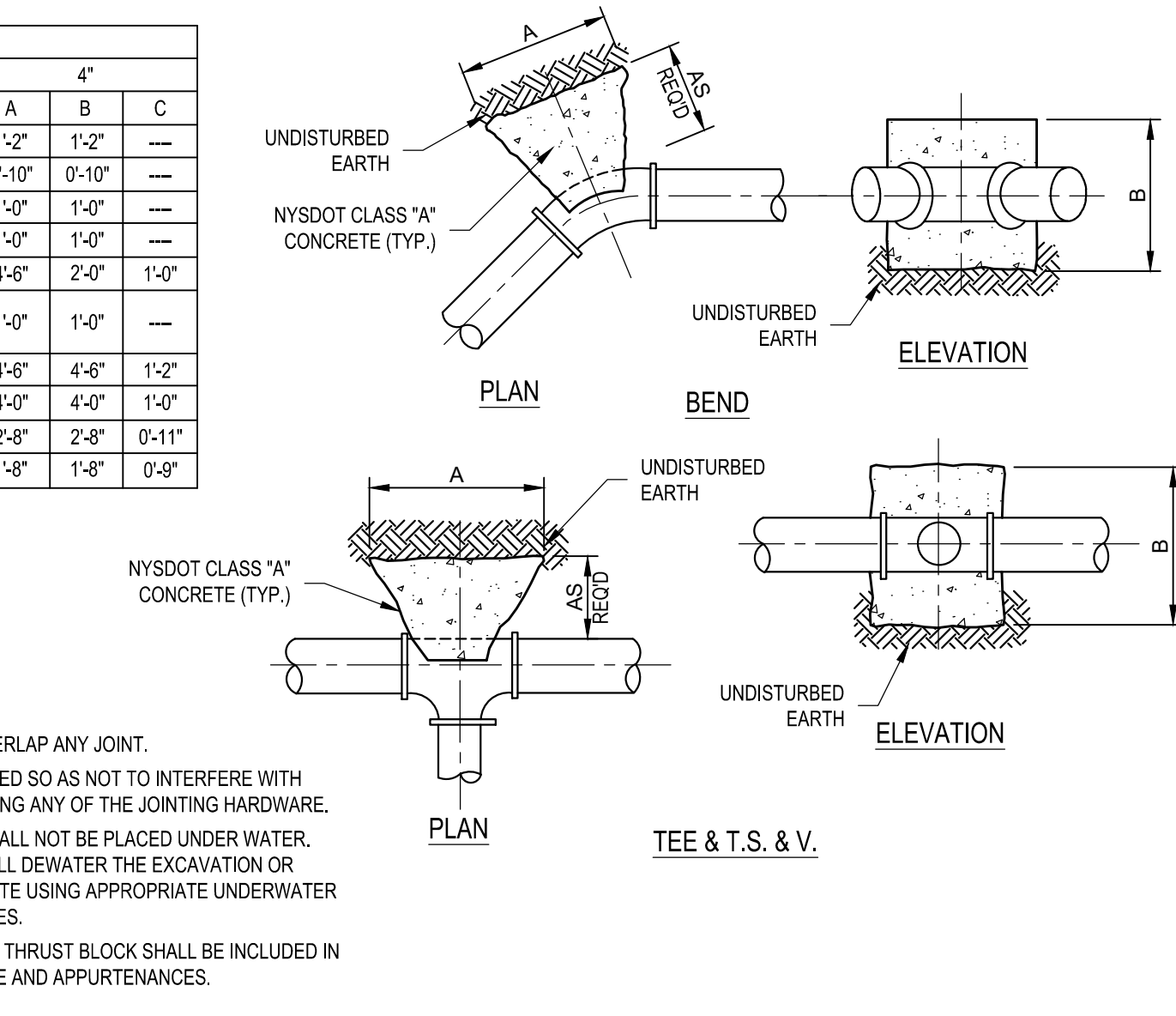
**B2 TYPICAL THRUST BLOCK DETAILS**  
SCALE: NOT TO SCALE



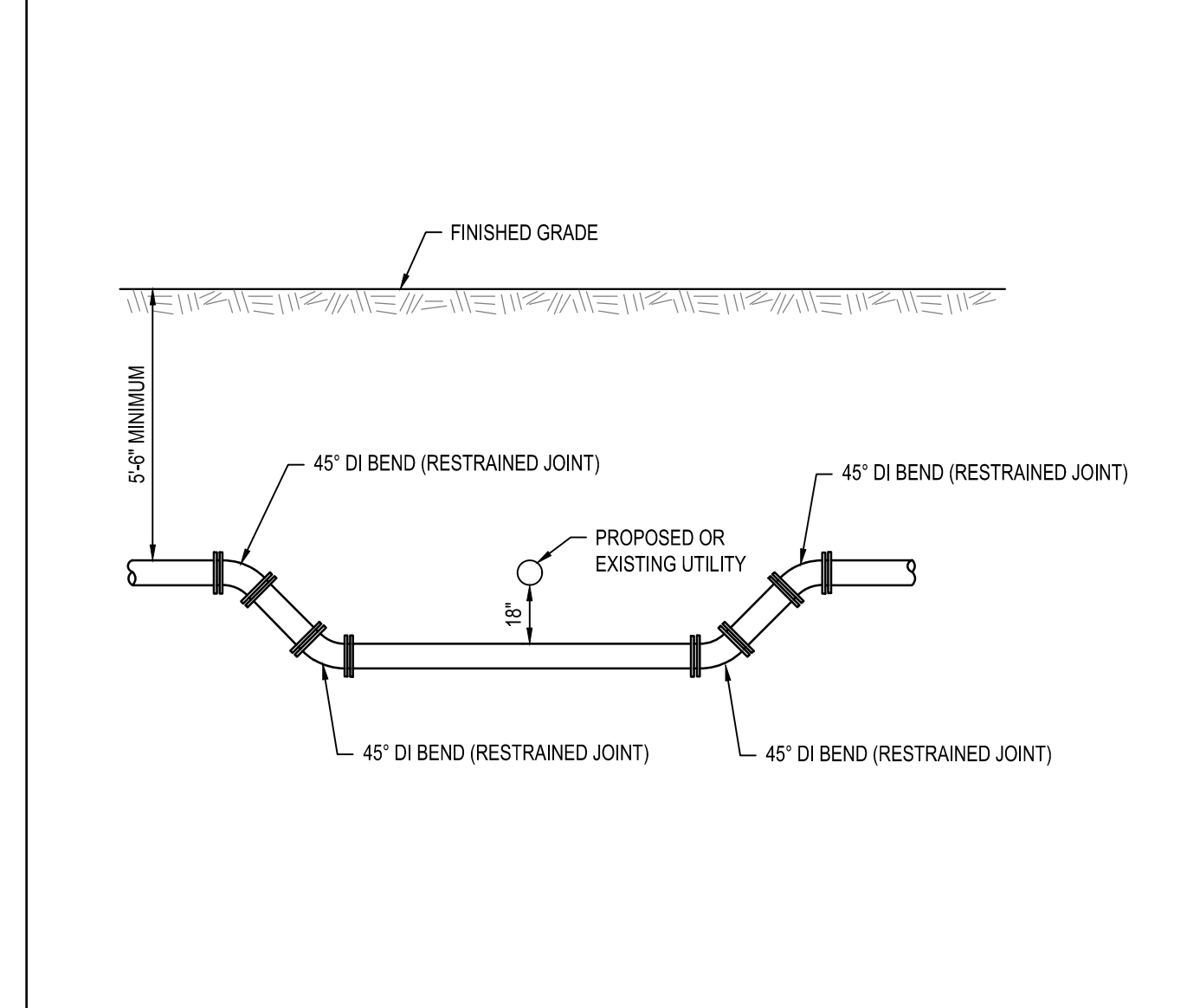
**A1 GATE VALVE DETAIL - ITEM 663.1012**  
SCALE: NOT TO SCALE



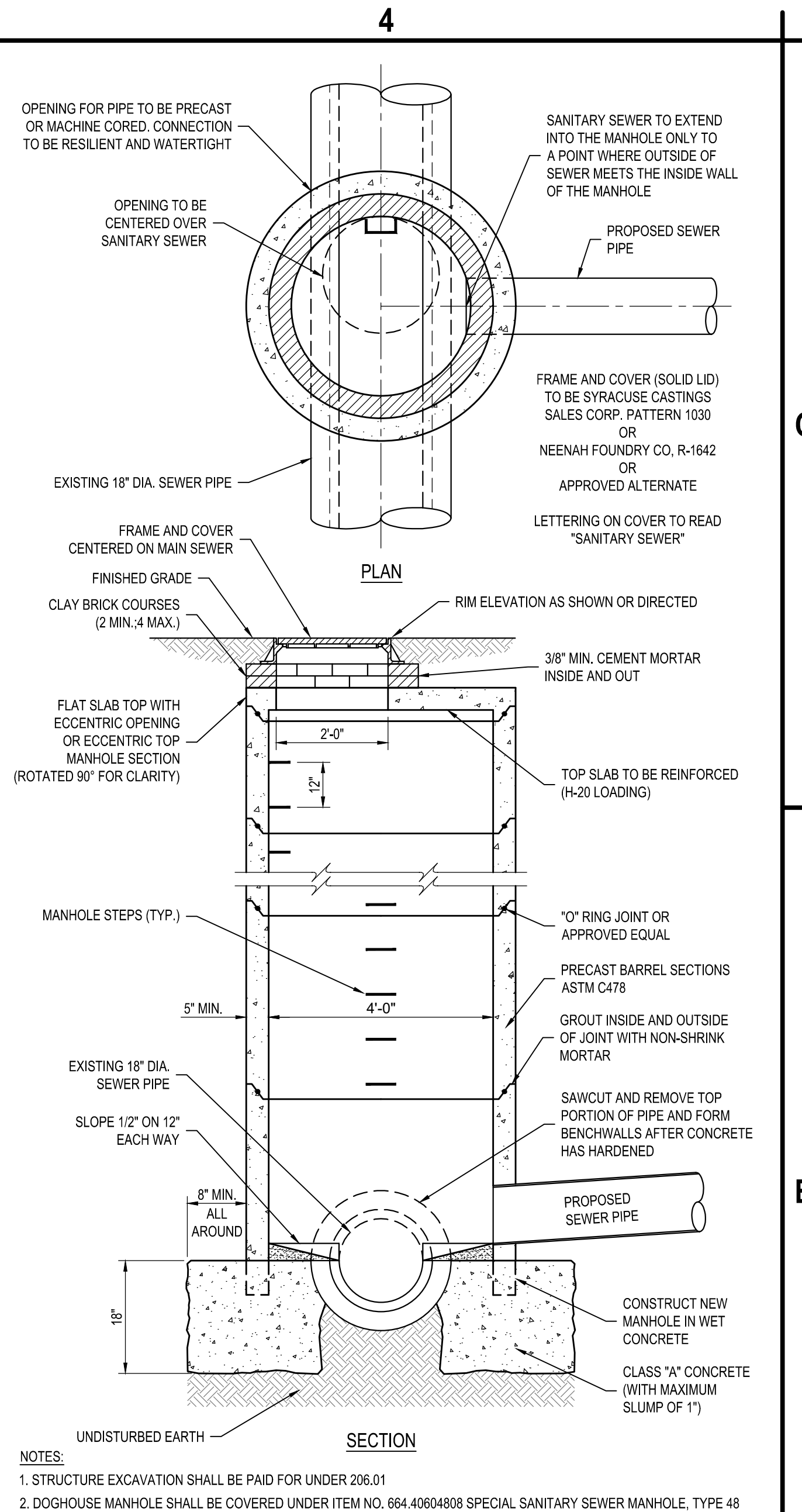
**A2 TEMPORARY BLOW-OFF DETAIL**  
SCALE: NOT TO SCALE



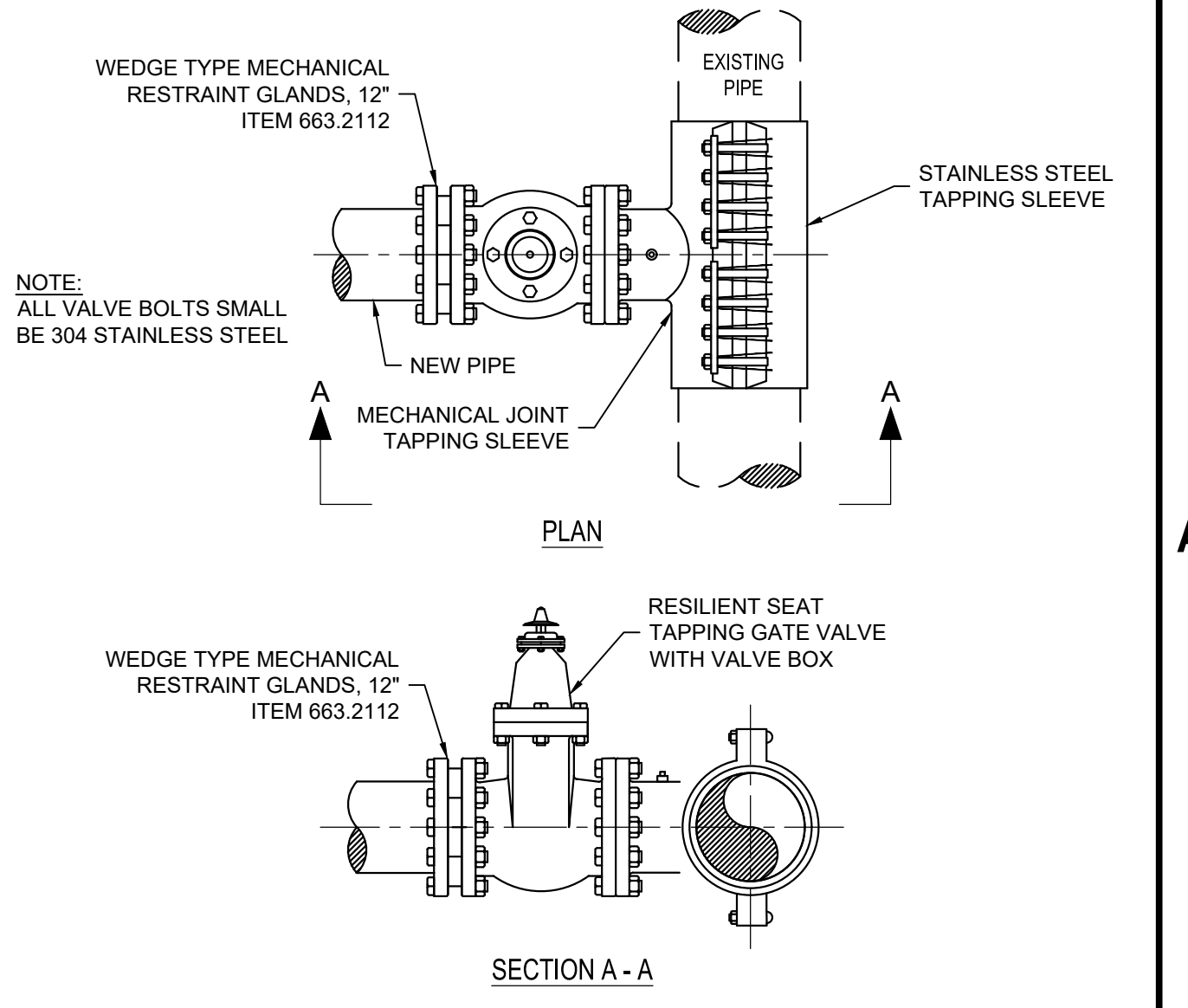
**B4 DOGHOUSE MANHOLE DETAIL**  
SCALE: NOT TO SCALE



**A3 WATER PIPELINE VERTICAL CROSSING**  
SCALE: NOT TO SCALE



**C1 CULVERT-END SAFETY GRATE - ITEM 603.0101**  
SCALE: NOT TO SCALE



**A4 TAPPING SLEEVE AND VALVE DETAIL - ITEM 663.161212**  
SCALE: NOT TO SCALE

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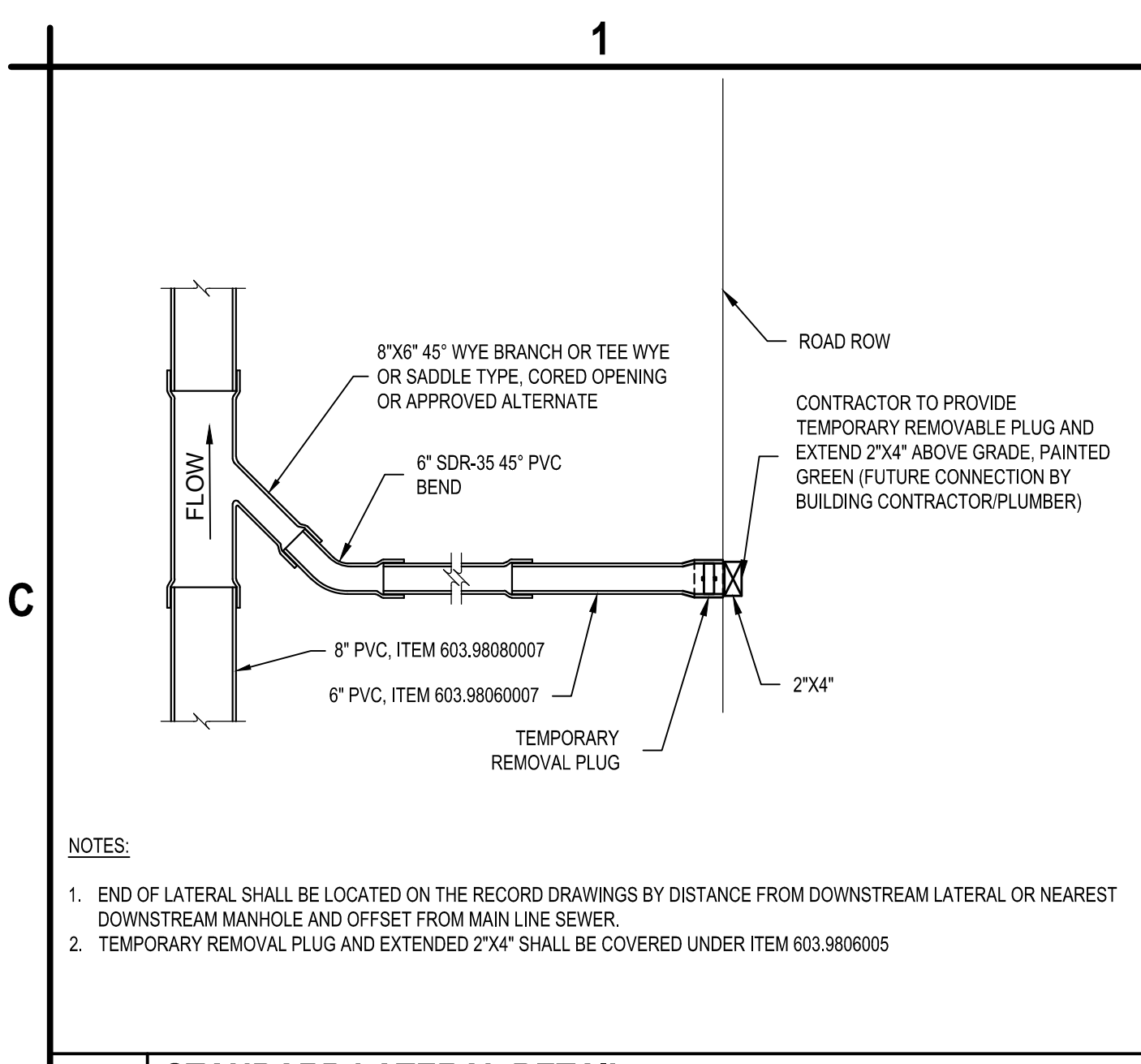
**OSWEGO COUNTY - INDUSTRIAL PARK INFRASTRUCTURE EXPANSION PROJECT**  
112 HARRIS DRIVE  
PHOENIX, NY 13135

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: 180.272.001		
DATE: MAY 2026		
DRAWN BY: J. OSWALD		
DESIGNED BY: M. MARCHEWKA		
CHECKED BY: K. GRAHAM, P.E.		
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

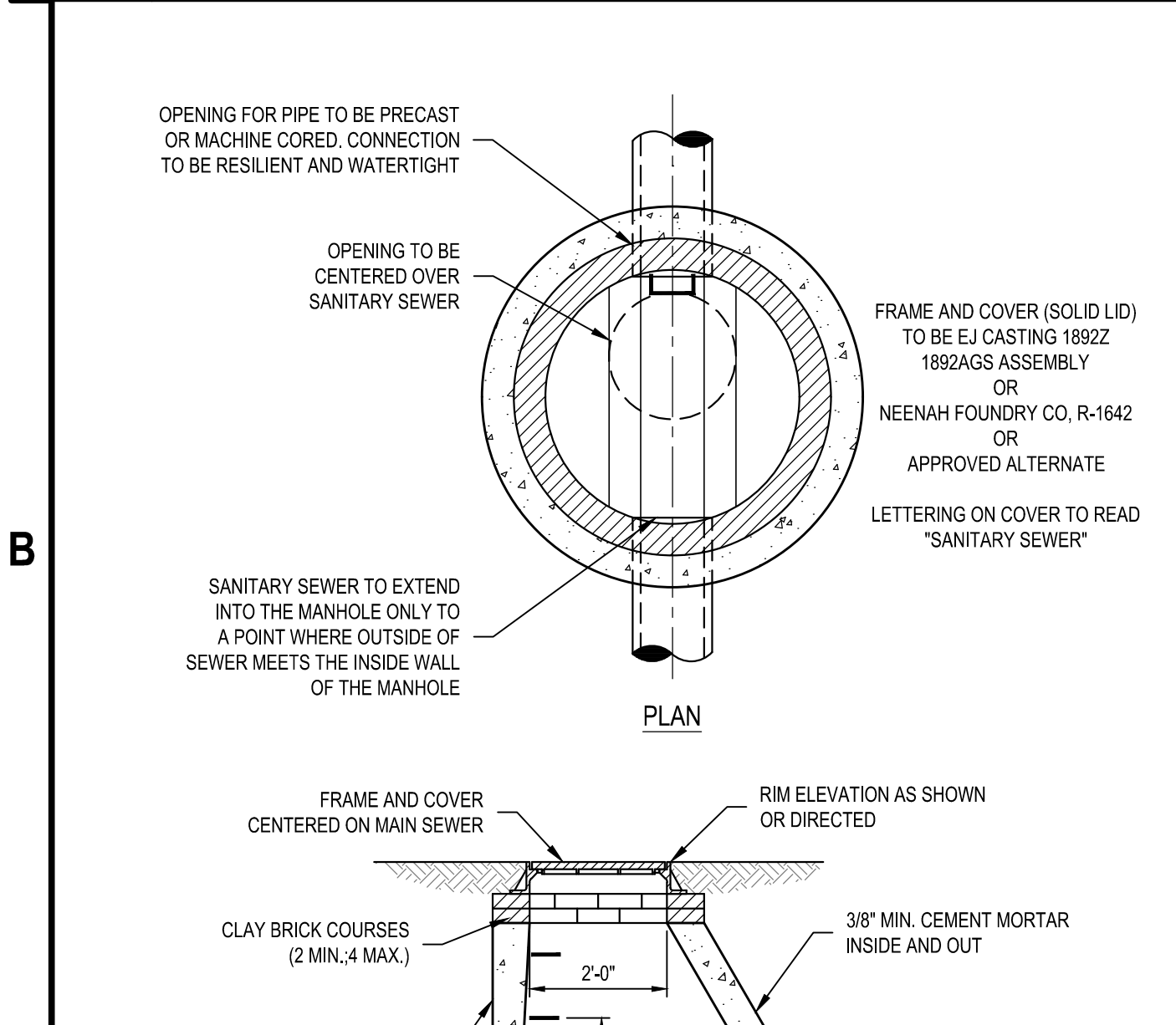
**SITE DETAILS**  
**CS502**  
SHEET NO. 55 OF 73  
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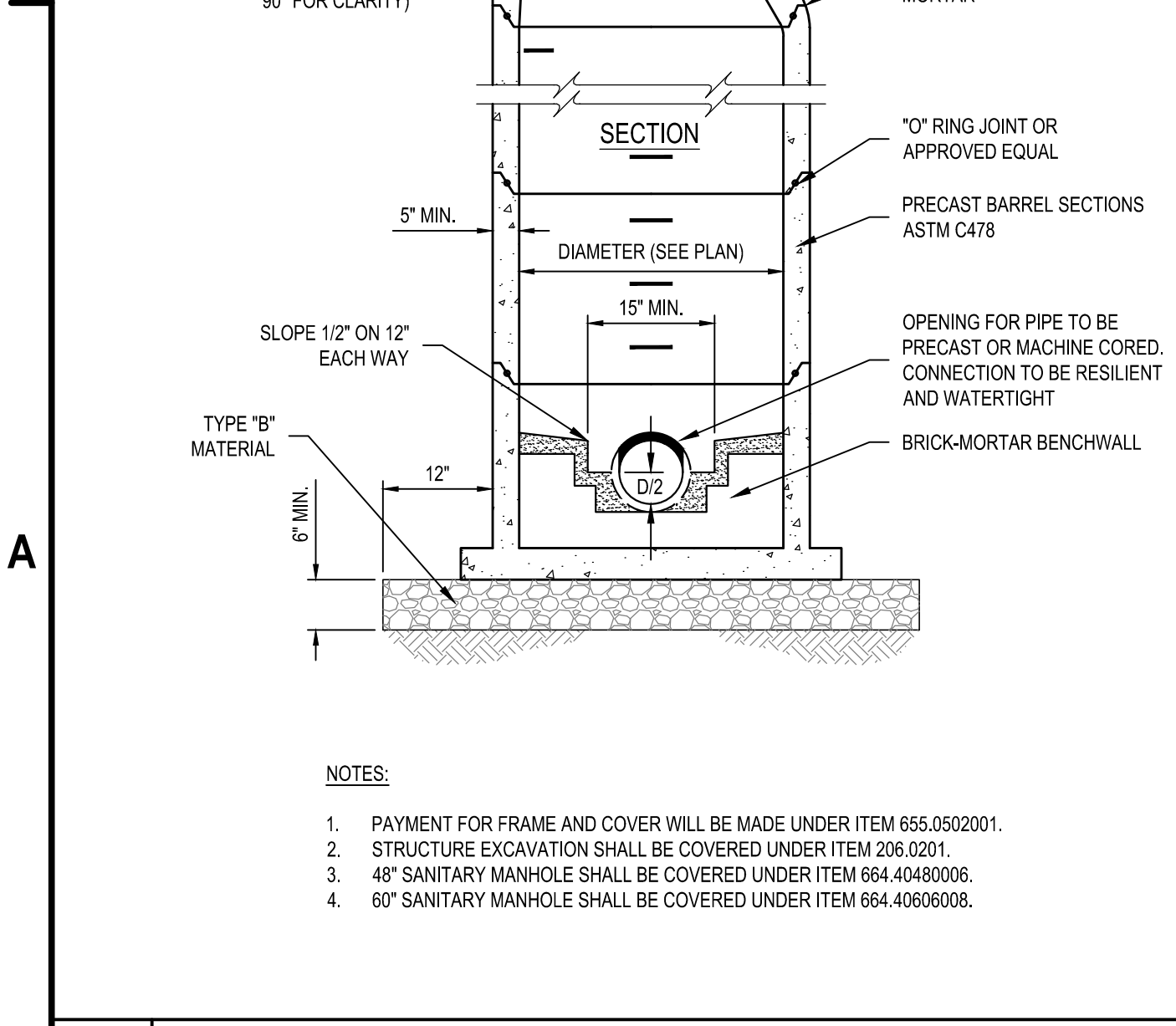
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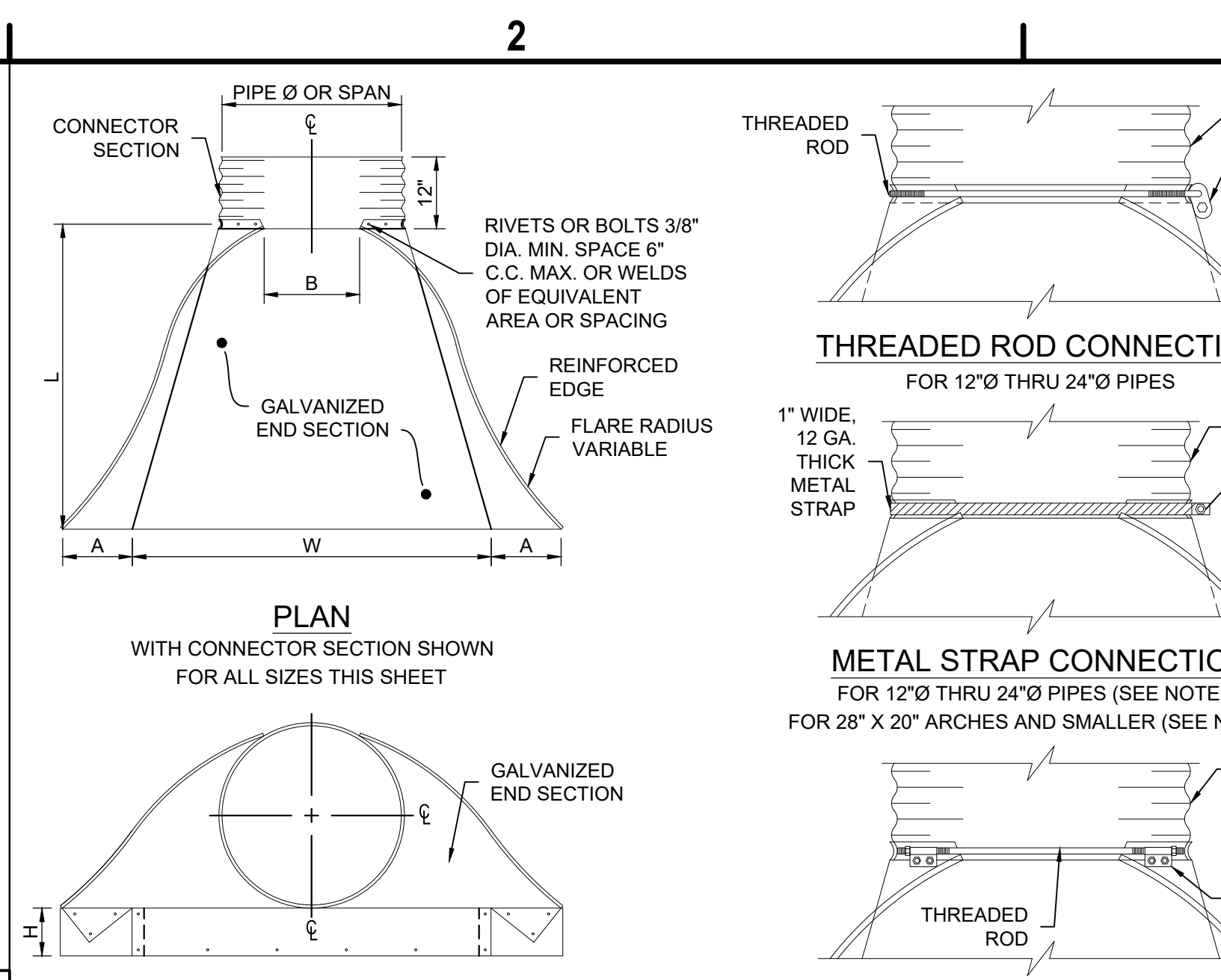
**C1 STANDARD LATERAL DETAIL**  
SCALE: NOT TO SCALE



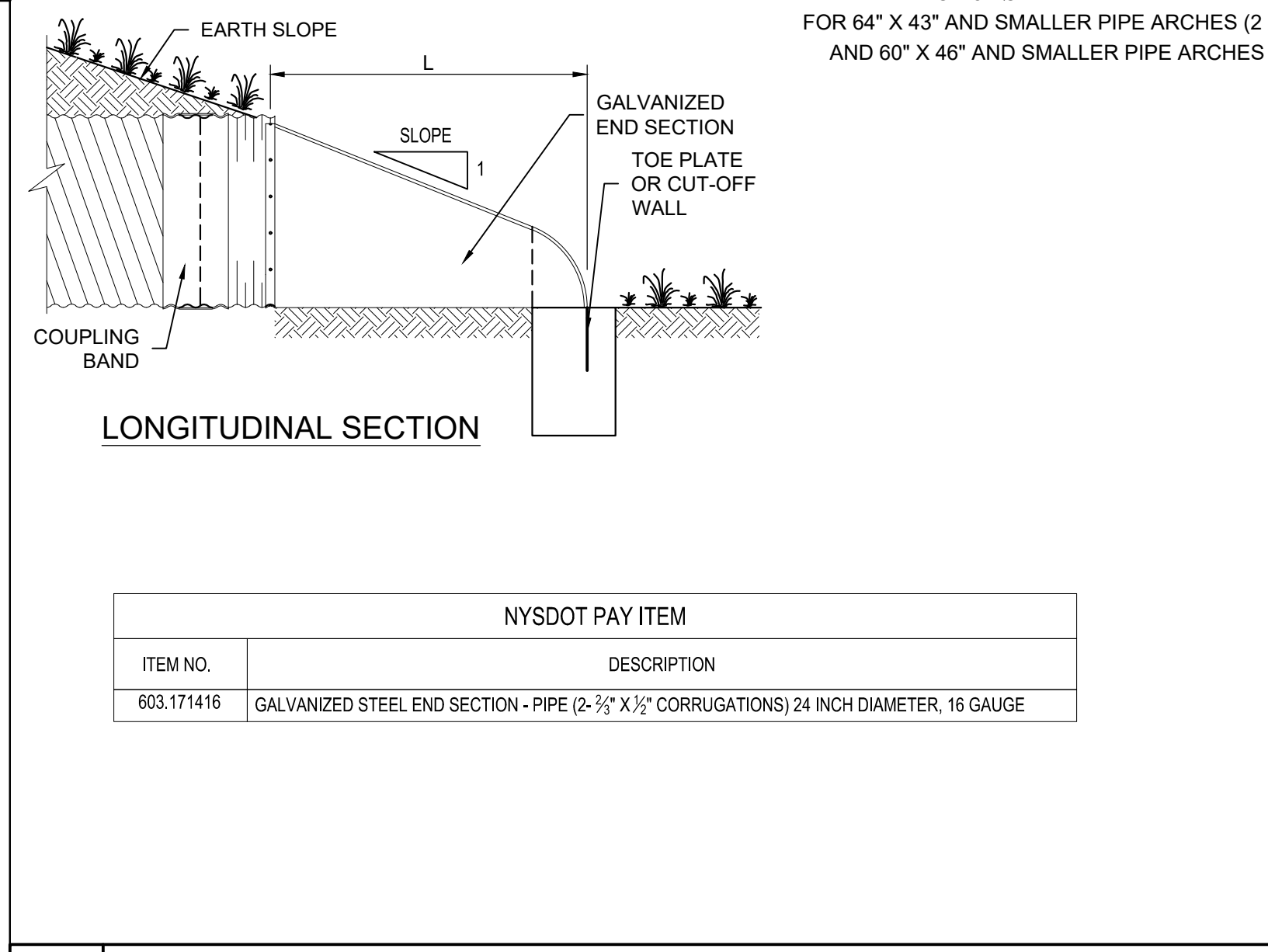
**B2 END SECTION DETAIL**  
SCALE: NOT TO SCALE



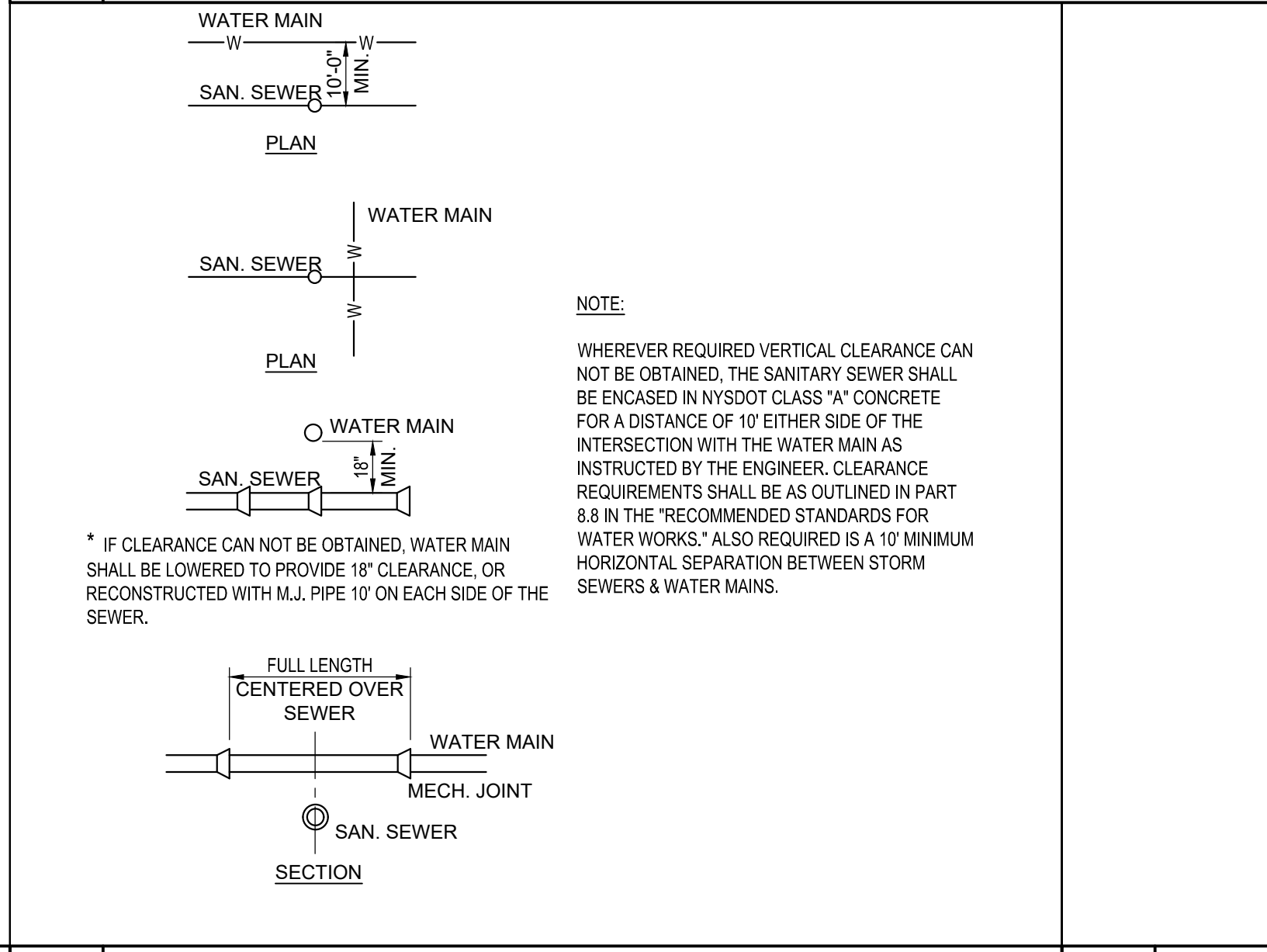
**A1 PRECAST SANITARY SEWER MANHOLE**  
SCALE: NOT TO SCALE



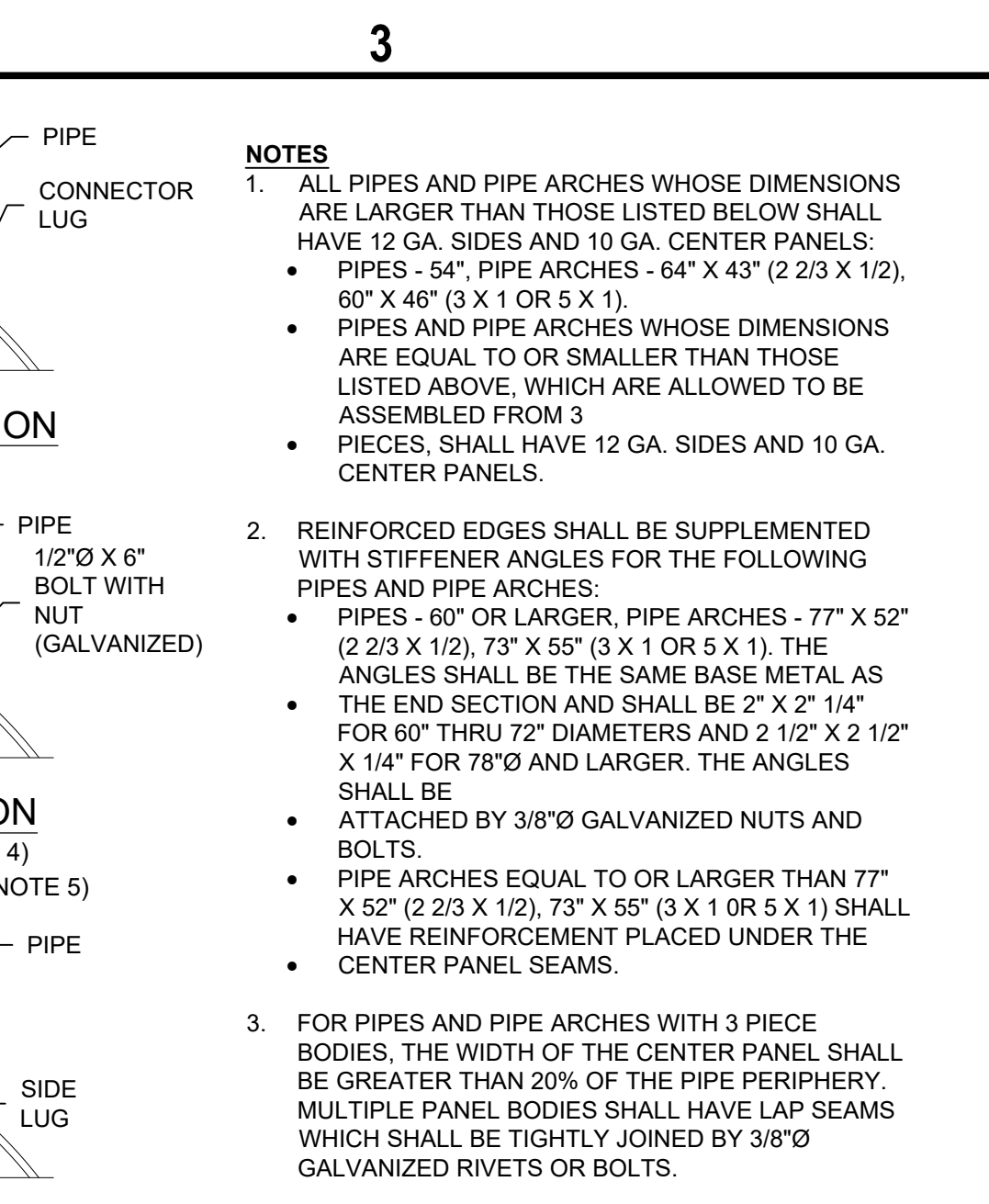
**2 THROUGH ROD CONNECTION**  
SCALE: NOT TO SCALE



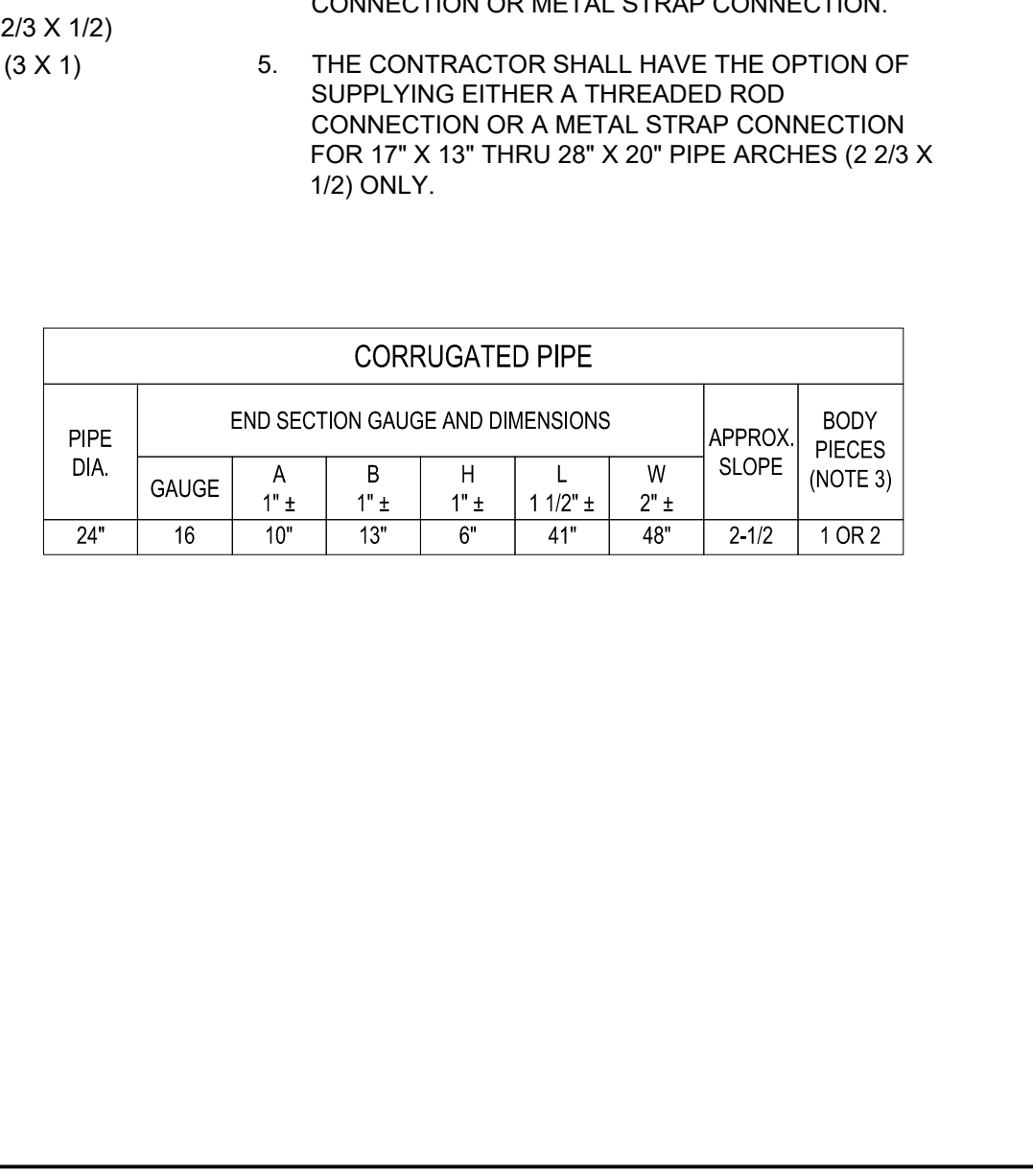
**3 METAL STRAP CONNECTION**  
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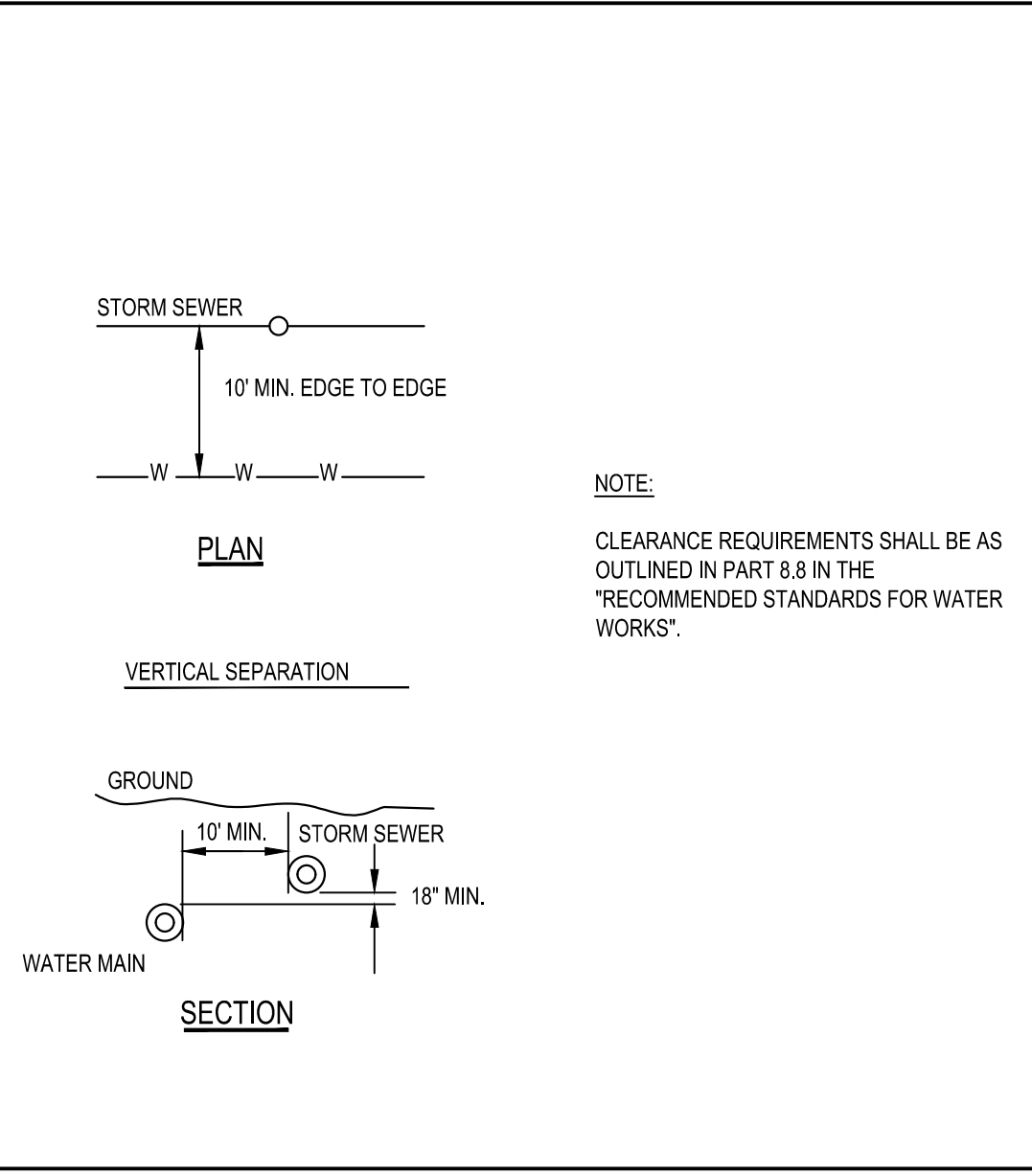
**A2 SEWER MAIN & WATER MAIN SEPARATION DETAIL**  
SCALE: NOT TO SCALE



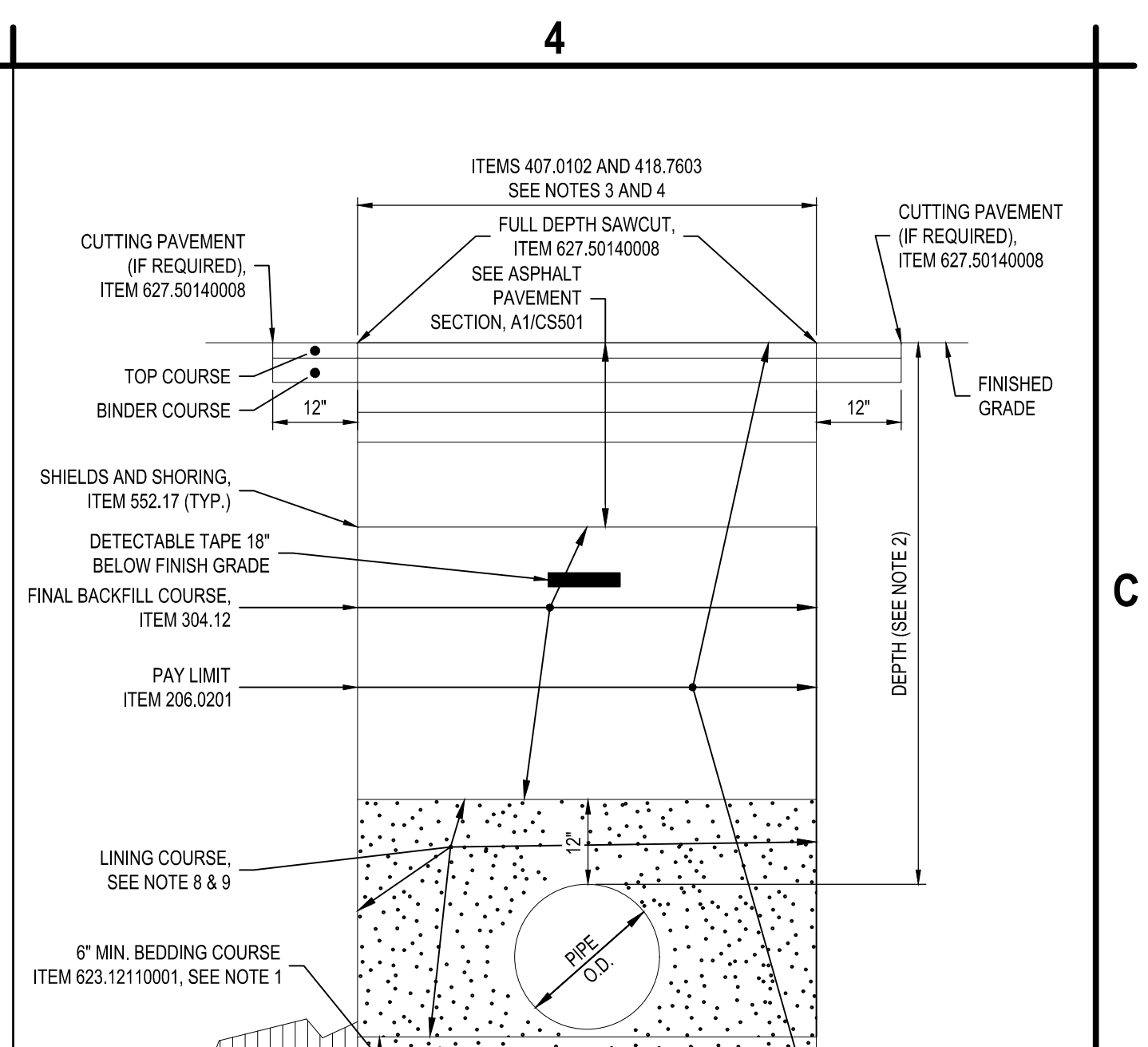
**4 PIPE TRENCH IN ROADWAY**  
SCALE: NOT TO SCALE



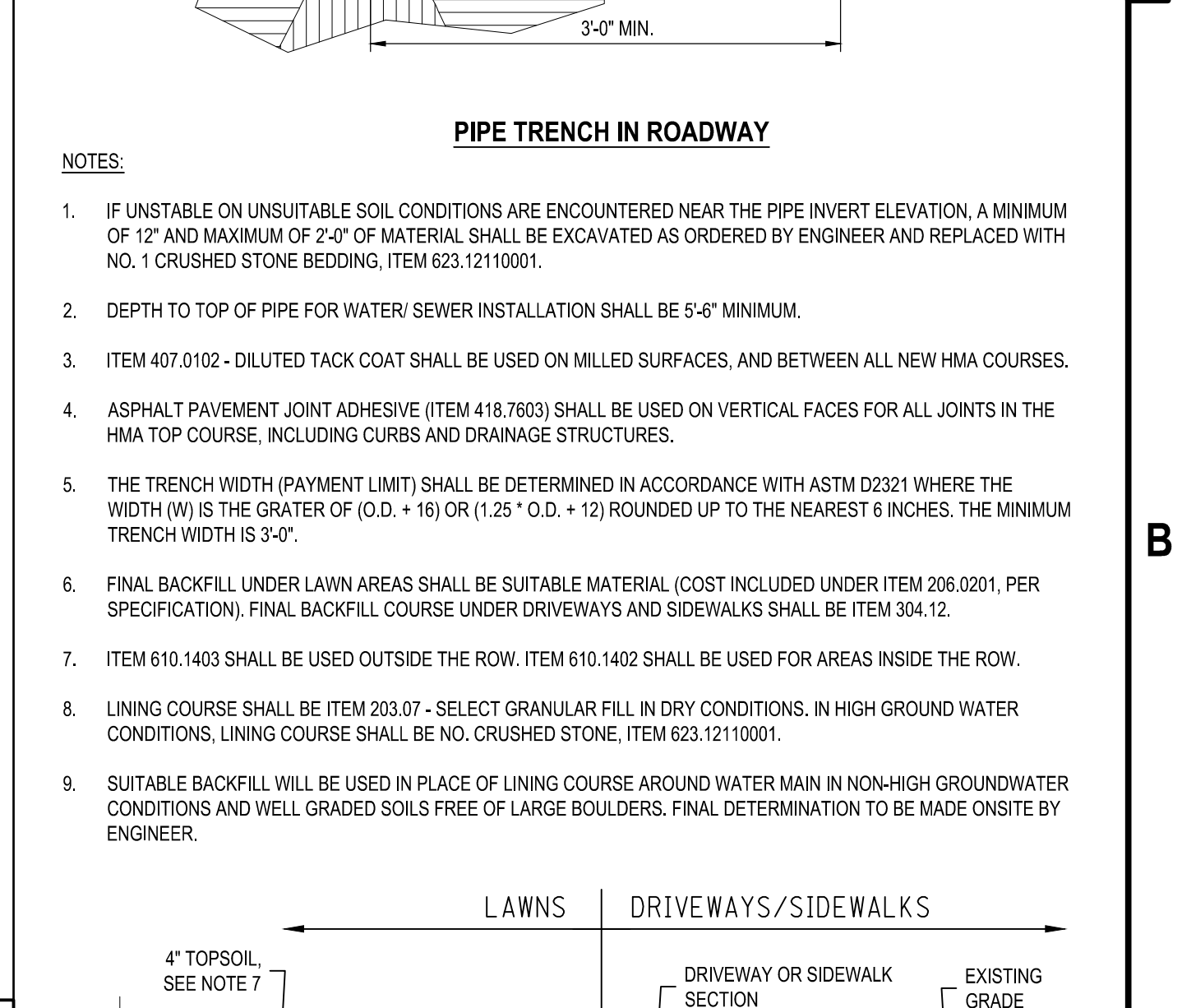
**A3 RELATION OF STORM SEWERS TO WATER MAINS**  
SCALE: NOT TO SCALE



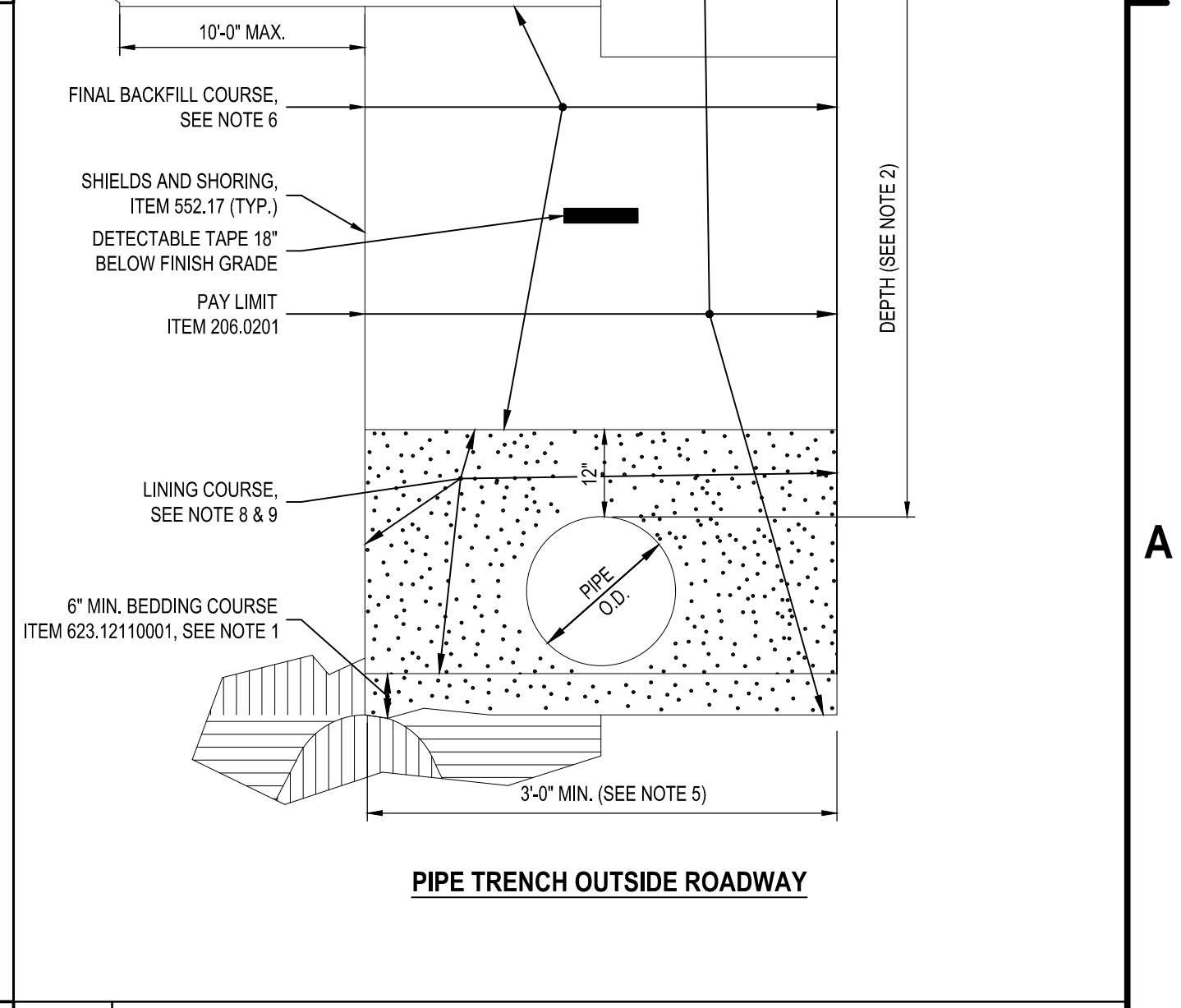
**A4 PIPE TRENCH DETAIL**  
SCALE: NOT TO SCALE



**CORRUGATED PIPE**  
SCALE: NOT TO SCALE



**PIPE TRENCH OUTSIDE ROADWAY**  
SCALE: NOT TO SCALE



**REVISIONS**  
SCALE: NOT TO SCALE

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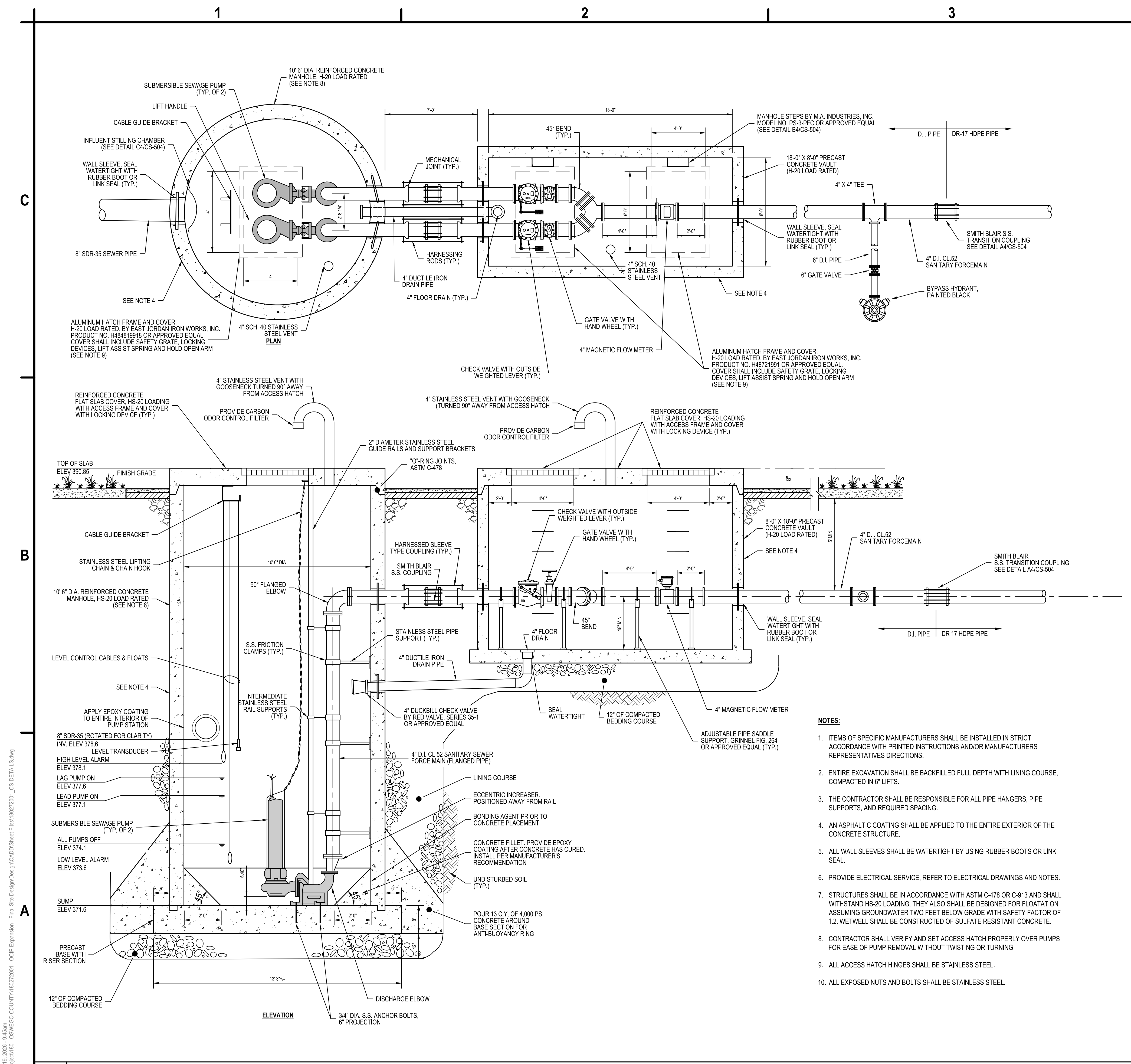
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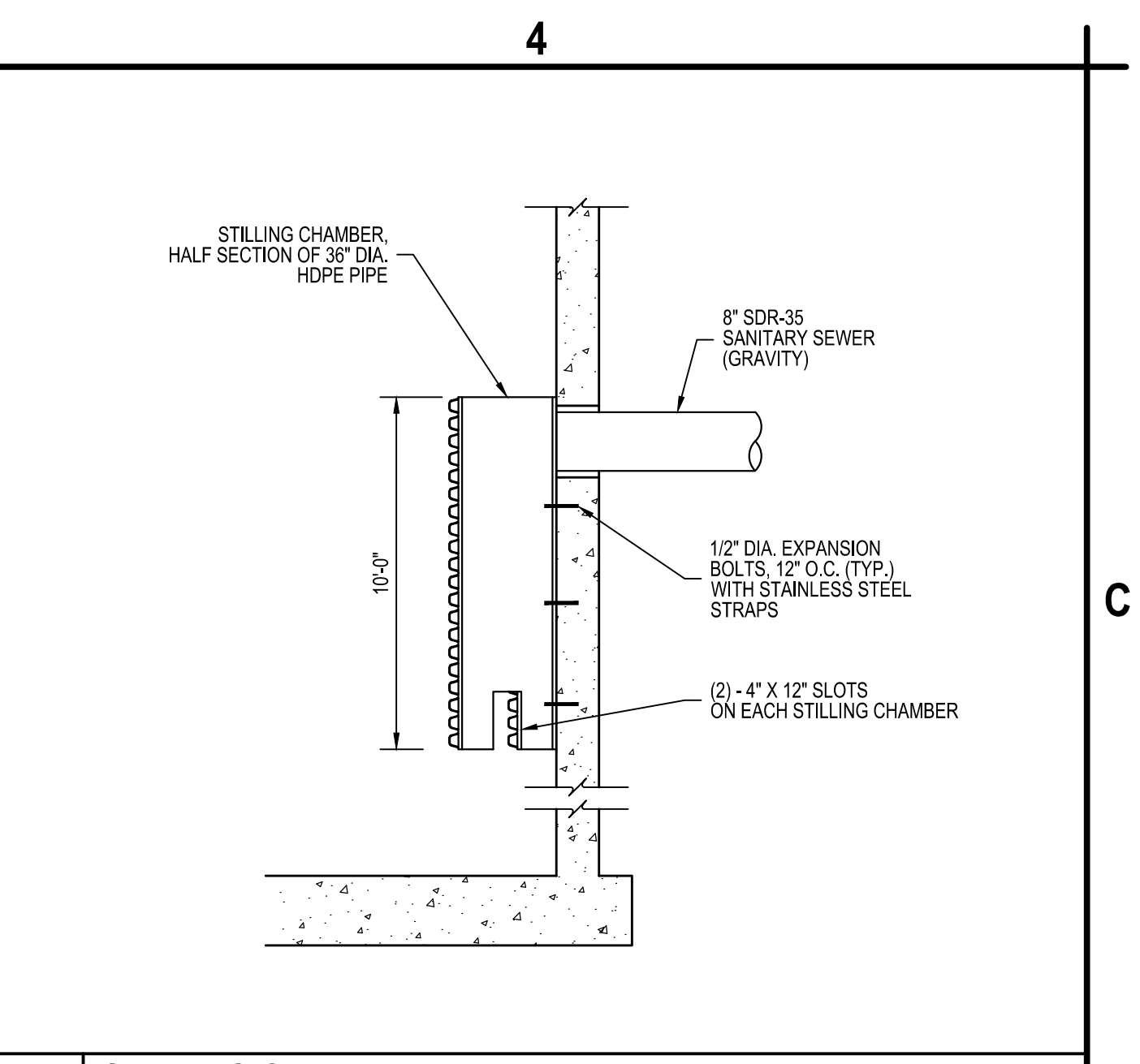
**OSWEGO COUNTY - INDUSTRIAL PARK INFRASTRUCTURE EXPANSION PROJECT**  
112 HARRIS DRIVE  
PHOENIX, NY 13135

**SITE DETAILS**

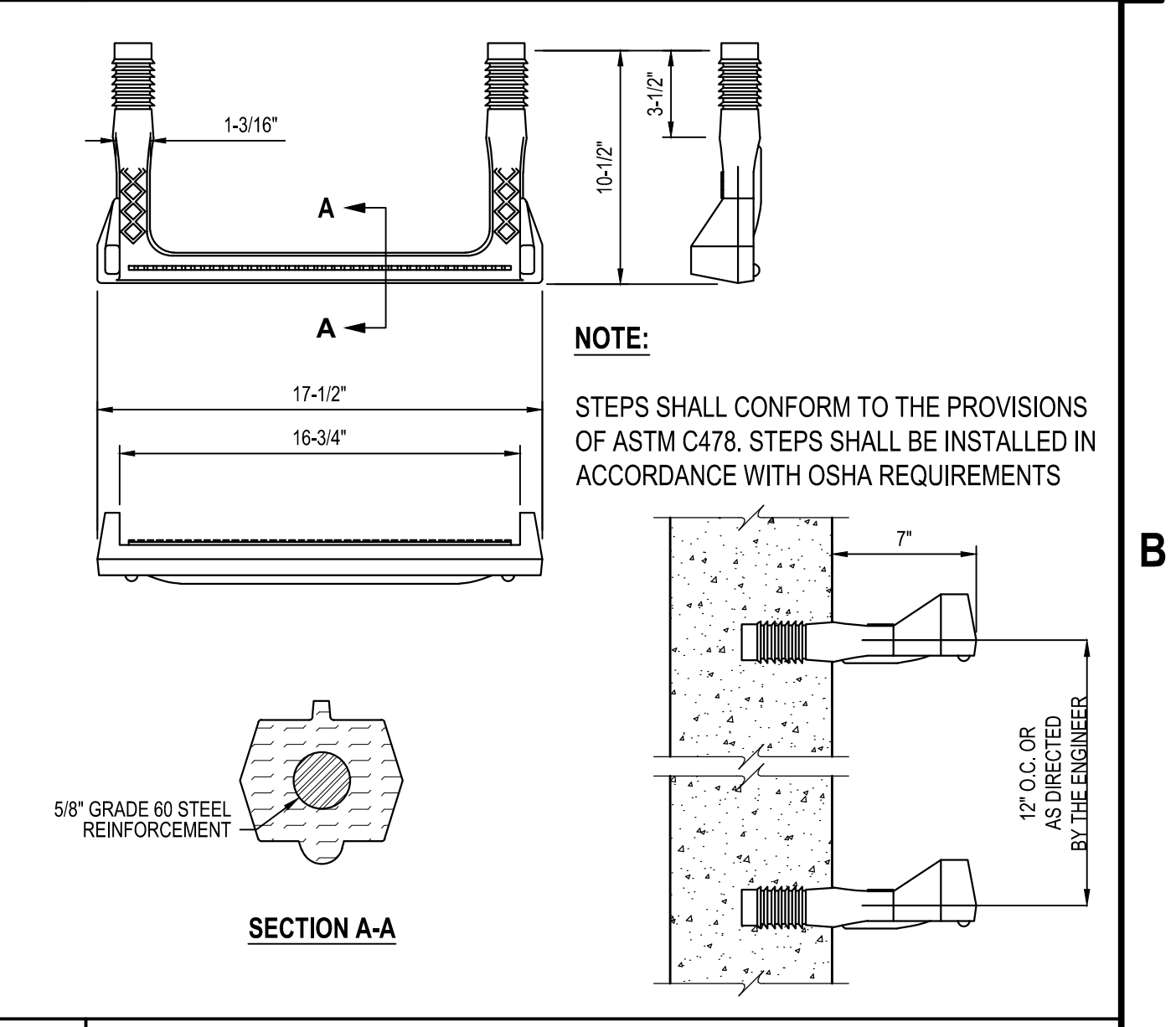
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SHEET NO. 56 OF 73



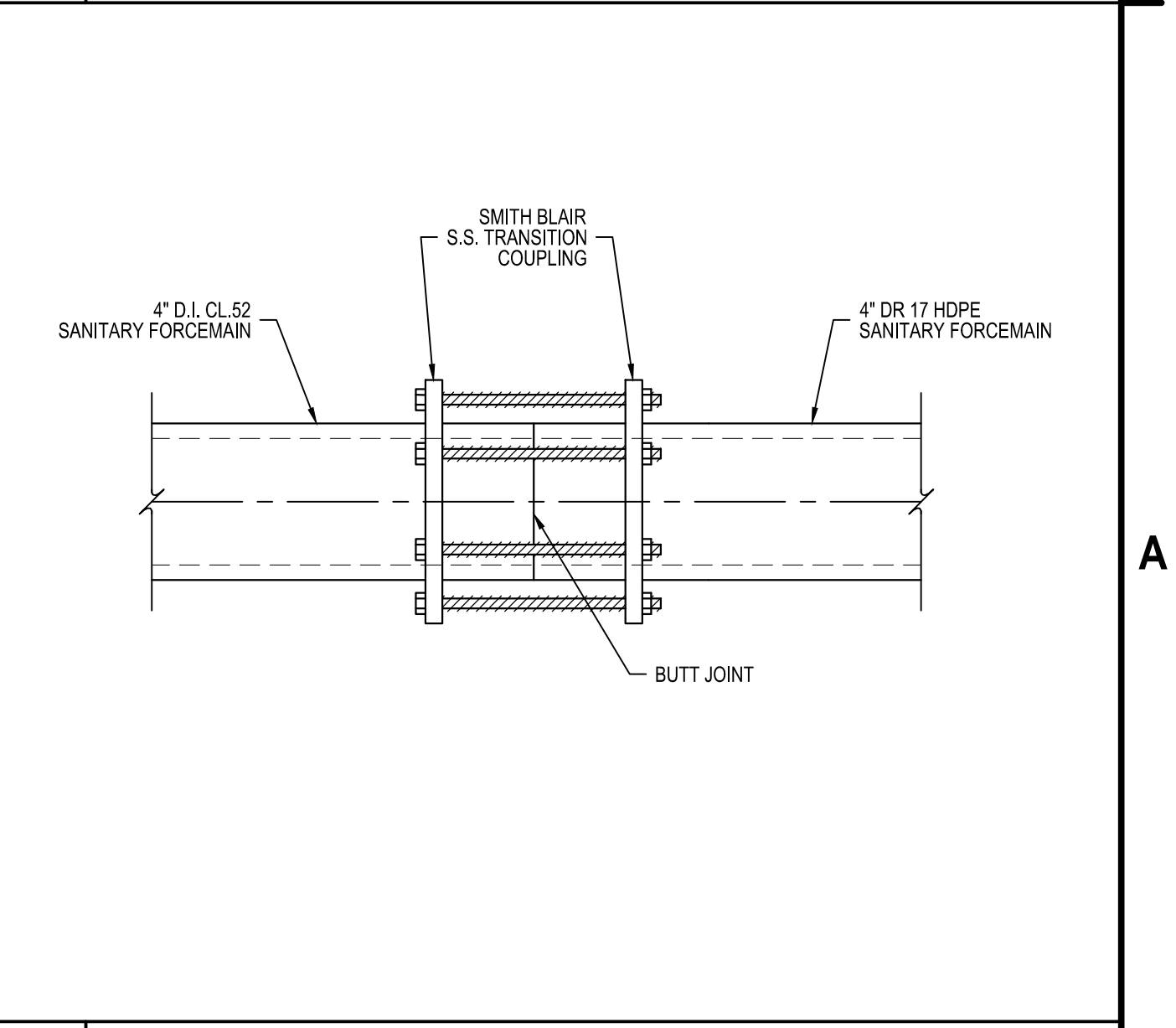
**A1 PUMP STATION DETAILS - ITEM NO. 664.840000100C**  
NOT TO SCALE



**C4 STILLING CHAMBER DETAIL**  
NOT TO SCALE



**B4 POLYPROPYLENE MANHOLE STEP DETAIL**  
NOT TO SCALE



**A4 TRANSITION COUPLING DETAIL**  
NOT TO SCALE

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**OSWEGO COUNTY - INDUSTRIAL  
PARK INFRASTRUCTURE  
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112 HARRIS DRIVE  
PHOENIX, NY 13135**

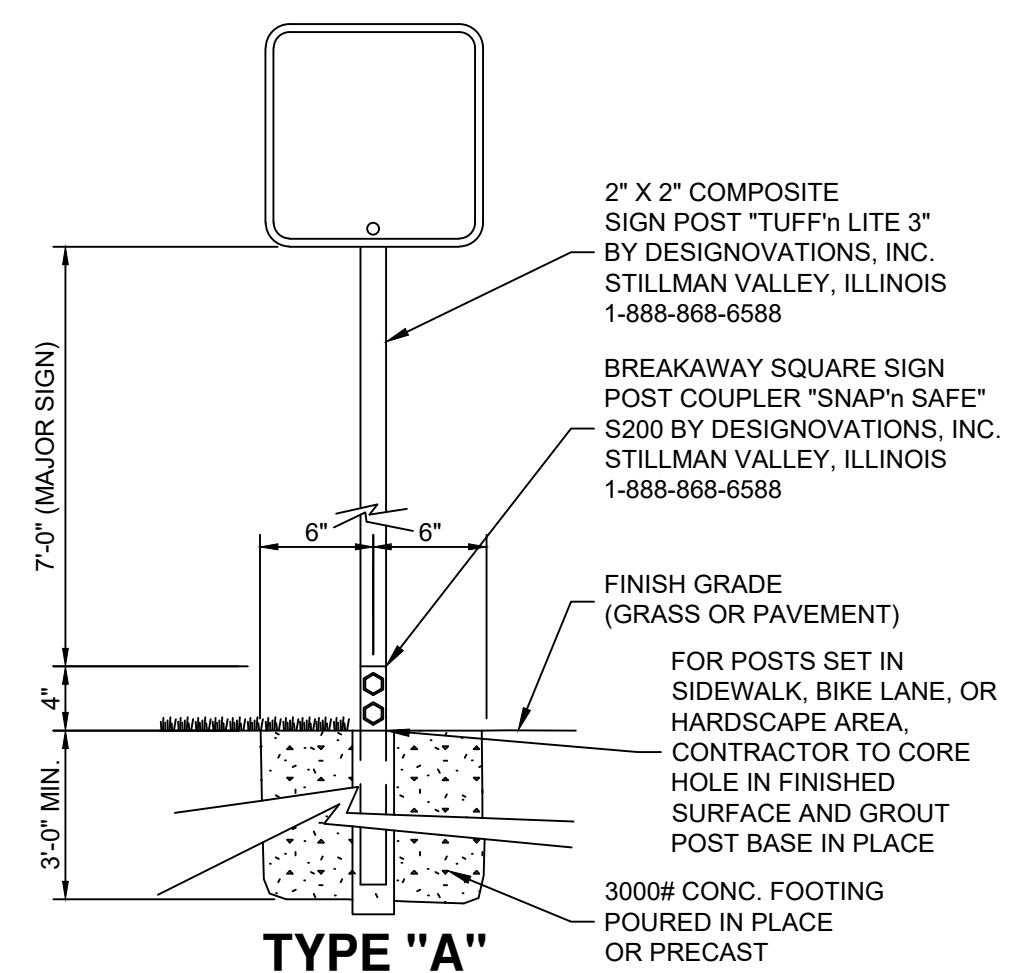
MARK	DATE	DESCRIPTION
REVISIONS		
		PROJECT NO: 180.272.001
		DATE: MAY 2026
		DRAWN BY: J. OSWALD
		DESIGNED BY: M. MARCHEWKA
		CHECKED BY: K. GRAHAM, P.E.
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

**SITE DETAILS**

**CS504**  
SHEET NO. 57 OF 73

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NYS DOT PAY ITEM				
NAME	PIPE DIA / SPAN & RISE	NYS DOT ITEM NO.	DESCRIPTION	
CULVERT 1	24"	603.881416	CORRUGATED STEEL PIPE ALUMINUM COATED (TYPE 2) (2-2/3" X 1/2") 24 INCH DIAMETER 16 GAUGE	
CULVERT 2	(2) 15"	603.6002	REINFORCED CONCRETE PIPE CLASS III, 15 INCH DIAMETER	
CULVERT 3	36"	603.6009	REINFORCED CONCRETE PIPE CLASS III, 36 INCH DIAMETER	
CULVERT 4	12"	603.6001	REINFORCED CONCRETE PIPE CLASS III, 12 INCH DIAMETER	
CULVERT 5	24" X 38"	603.6704	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE CLASS HE III, 24 INCH RISE, 28 INCH SPAN	
CULVERT 6	15"	603.6002	REINFORCED CONCRETE PIPE CLASS III, 15 INCH DIAMETER	



SITE SIGN TABLE		
SIGN NO.	DESCRIPTION	M.U.T.C.D. NO./SIZE
1		R1-1 (30"x30")

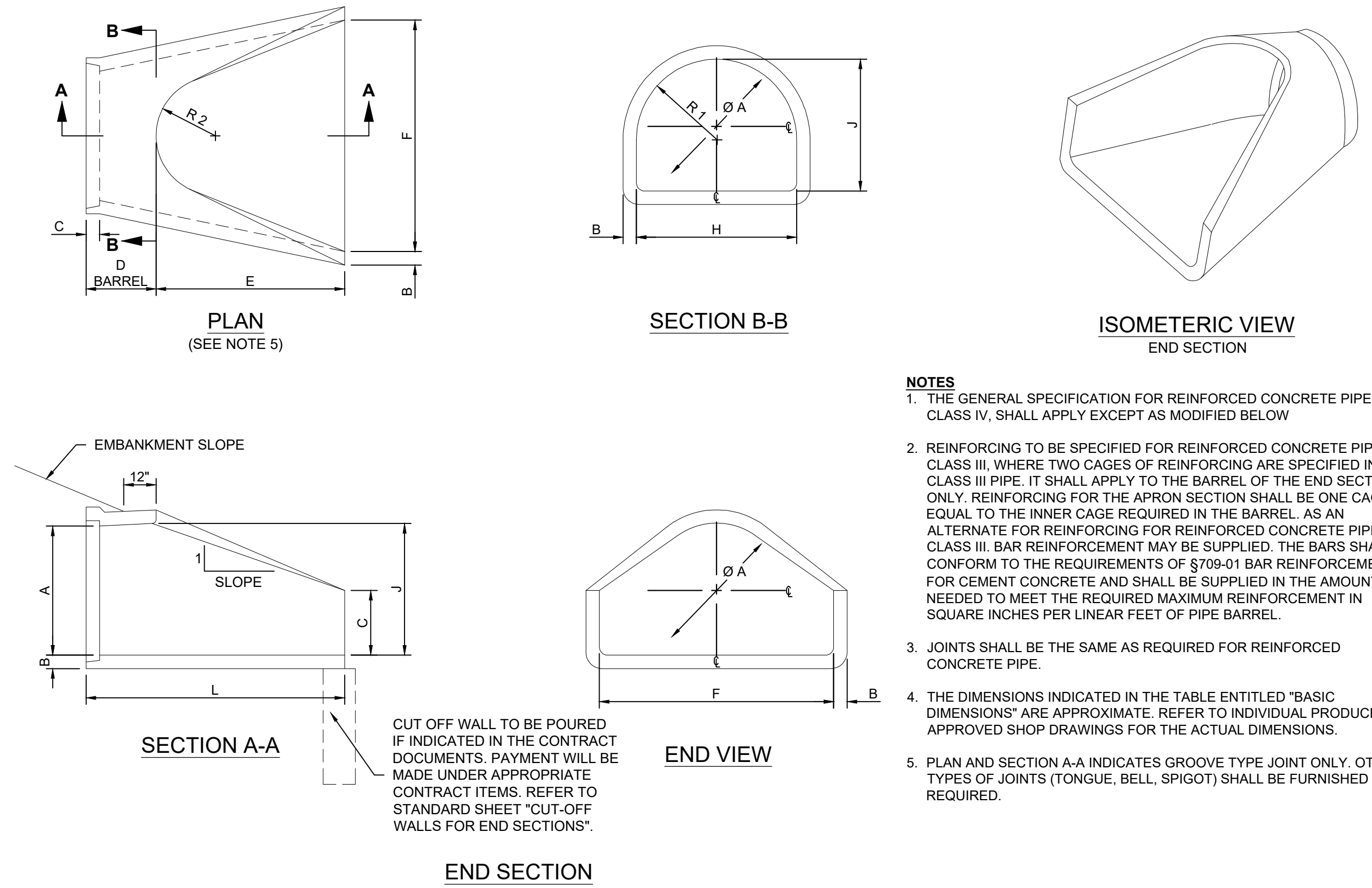
ITEM NO.	DESCRIPTION (UNIT)
645.5102	GROUND MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 32 SF, WITH Z-BARS
645.81	TYPE A SIGN POSTS

**C1 STORM PIPE PAY ITEM TABLE**  
SCALE: NOT TO SCALE

**C3 SIGN AND SIGN POST DETAIL**  
SCALE: NOT TO SCALE

SANITARY MAN HOLE STRUCTURE TABLE				
STRUCTURE	COORDINATES	ELEV.	INVERTS	DESCRIPTION
SMH 1	N: 1185004.65 E: 892086.42	RIM: 394.56' SUMP: 385.95'	8" SDR-35 PVC (NE) INV. 385.99' 8" SDR-35 PVC (NW) INV. 386.19' 8" SDR-35 PVC (SW) INV. 385.97'	4' DIA. STRUCTURE
SMH 2	N: 1185195.71 E: 891734.80	RIM: 394.59' SUMP: 387.77'	8" SDR-35 PVC (SE) INV. 387.79' 8" SDR-35 PVC (NW) INV. 387.89'	4' DIA. STRUCTURE
SMH 3	N: 1185401.52 E: 891409.71	RIM: 400.88' SUMP: 389.43'	8" SDR-35 PVC (SE) INV. 389.43' 4" SDR-35 PVC (NW) INV. 395.52'	5' DIA. STRUCTURE
SMH 4	N: 1185724.92 E: 891127.37	RIM: 390.35' SUMP: 371.60'	4" SDR-35 PVC (SE) INV. 383.61' 8" SDR-35 PVC (NW) INV. 378.60'	10'-6" DIA. STRUCTURE
SMH 5	N: 1185744.52 E: 891106.08	RIM: 388.14' SUMP: 378.74'	8" SDR-35 PVC (SE) INV. 378.74' 8" SDR-35 PVC (NW) INV. 378.81'	4' DIA. STRUCTURE
SMH 6	N: 1185919.20 E: 890955.42	RIM: 390.63' SUMP: 379.72'	8" SDR-35 PVC (SE) INV. 379.72' 8" SDR-35 PVC (NW) INV. 380.15'	4' DIA. STRUCTURE
SMH 7	N: 1186182.02 E: 890721.56	RIM: 398.91' SUMP: 381.56'	8" SDR-35 PVC (SE) INV. 381.56' 8" SDR-35 PVC (NW) INV. 381.66'	4' DIA. STRUCTURE
SMH 8	N: 1186416.60 E: 890540.79	RIM: 393.98' SUMP: 382.84'	8" SDR-35 PVC (SE) INV. 382.84' 8" SDR-35 PVC (N) INV. 382.94'	4' DIA. STRUCTURE
SMH 9	N: 1186768.20 E: 890436.67	RIM: 394.31' SUMP: 384.41'	8" SDR-35 PVC (S) INV. 384.41' 8" SDR-35 PVC (N) INV. 384.51'	4' DIA. STRUCTURE
SMH 10	N: 1187121.78 E: 890460.66	RIM: 393.50' SUMP: 385.93'	8" SDR-35 PVC (S) INV. 385.93' 8" SDR-35 PVC (N) INV. 386.03'	4' DIA. STRUCTURE
SMH 11	N: 1187521.39 E: 890488.06	RIM: 398.38' SUMP: 387.63'	8" SDR-35 PVC (S) INV. 387.63' 8" SDR-35 PVC (N) INV. 388.13'	4' DIA. STRUCTURE
SMH 12	N: 1187920.73 E: 890511.06	RIM: 405.02' SUMP: 391.21'	8" SDR-35 PVC (S) INV. 391.21'	4' DIA. STRUCTURE

FLARED END SECTION STRUCTURE TABLE				
STRUCTURE	COORDINATES	INVERTS	DESCRIPTION	
ES 1	N: 1184946.41 E: 892119.97	CULVERT 1 (NW) INV. 390.12'	GALVANIZED FLARED END SECTION	
ES 2	N: 1185027.46 E: 892062.80	CULVERT 1 (SE) INV. 389.70'	GALVANIZED FLARED END SECTION	
ES 3	N: 1185033.66 E: 891926.02	CULVERT 2A & 2B (NE) INV. 390.87'	(2) CONCRETE FLARED END SECTION	
ES 4	N: 1185075.37 E: 891946.79	CULVERT 2A & 2B (SW) INV. 390.63'	(2) CONCRETE FLARED END SECTION	
ES 5	N: 1185756.24 E: 891015.21	CULVERT 3 (NE) INV. 382.71'	CONCRETE FLARED END SECTION	
ES 6	N: 1185795.71 E: 891045.49	CULVERT 3 (SW) INV. 383.25'	CONCRETE FLARED END SECTION	
ES 7	N: 1186298.98 E: 890555.42	CULVERT 4 (E) INV. 395.75'	CONCRETE FLARED END SECTION	
ES 8	N: 1186315.84 E: 890601.57	CULVERT 4 (W) INV. 396.80'	CONCRETE FLARED END SECTION	
ES 9	N: 1186736.38 E: 890395.98	CULVERT 5 (E) INV. 391.72'	CONCRETE FLARED END SECTION	
ES 10	N: 1186741.90 E: 890452.40	CULVERT 5 (W) INV. 391.44'	CONCRETE FLARED END SECTION	
ES 11	N: 1185679.27 E: 891150.47	CULVERT 6 (NW) INV. 386.44'	CONCRETE FLARED END SECTION	
ES 12	N: 1185743.63 E: 891094.96	CULVERT 6 (SE) INV. 385.94'	CONCRETE FLARED END SECTION	



- NOTES**
- THE GENERAL SPECIFICATION FOR REINFORCED CONCRETE PIPE, CLASS IV, SHALL APPLY EXCEPT AS MODIFIED BELOW
  - REINFORCING TO BE SPECIFIED FOR REINFORCED CONCRETE PIPE, CLASS III, WHERE TWO CAGES OF REINFORCING ARE SPECIFIED IN CLASS III PIPE. IT SHALL APPLY TO THE BARREL OF THE END SECTION ONLY. REINFORCING FOR THE APRON SECTION SHALL BE ONE CAGE EQUAL TO THE INNER CAGE REQUIRED IN THE BARREL. AS AN ALTERNATE FOR REINFORCING FOR REINFORCED CONCRETE PIPE CLASS III, BAR REINFORCEMENT MAY BE SUPPLIED. THE BARS SHALL CONFORM TO THE REQUIREMENTS OF §709-01 BAR REINFORCEMENT FOR CEMENT CONCRETE AND SHALL BE SUPPLIED IN THE AMOUNT NEEDED TO MEET THE REQUIRED MAXIMUM REINFORCEMENT IN SQUARE INCHES PER LINEAR FEET OF PIPE BARREL.
  - JOINTS SHALL BE THE SAME AS REQUIRED FOR REINFORCED CONCRETE PIPE.
  - THE DIMENSIONS INDICATED IN THE TABLE ENTITLED "BASIC DIMENSIONS" ARE APPROXIMATE. REFER TO INDIVIDUAL PRODUCERS, APPROVED SHOP DRAWINGS FOR THE ACTUAL DIMENSIONS.
  - PLAN AND SECTION A-A INDICATES GROOVE TYPE JOINT ONLY. OTHER TYPES OF JOINTS (TONGUE, BELL, SPIGOT) SHALL BE FURNISHED AS REQUIRED.

BASIC DIMENSIONS													
A	B	C	D	E	F	G	H	J	SLOPE	R <sub>1</sub>	R <sub>2</sub>	RATIO $\frac{A^2}{A1}$	J
12"	2"		48 3/8"	24"	24"	4"	19 1/8"	13"	2.7:1	10 3/8"	9"	1.92	6'-0 3/8"
15"	2 3/8"		48 3/8"	24"	29 1/2"	8 1/2"	28 3/8"	16"	2.7:1	12 3/8"	10 1/2"	1.90	6'-0 3/8"
18"	2 1/2"		46"	27"	36"	9"	29"	19"	2.7:1	15 1/2"	12"	1.88	6'-1"
21"	2 3/4"		38 3/4"	35"	42"	9"	29 1/2"	22"	2.8:1	16 3/8"	13"	2.37	6'-1 1/2"
24"	3"	SEE NOTE 3	30"	43 1/2"	48"	9 1/2"	33 3/8"	25"	2.8:1	16 1/8"	14"	1.58	6'-1 1/2"
27"	3 1/2"		25 1/2"	48"	54"	10 1/2"	36"	28"	2.8:1	18 1/2"	14 1/2"	1.89	6'-1 1/2"
30"	3 1/2"		19 3/4"	54"	60"	12"	37"	31"	2.8:1	18 3/8"	15"	1.41	6'-1 3/4"
33"	3 3/4"		39 3/8"	58 1/2"	66"	13 1/2"	43 1/2"	34"	2.9:1	21 3/8"	19 1/4"	1.49	8'-1 1/8"
36"	4"		34 3/4"	63"	72"	15"	47 1/8"	37"	2.9:1	24 3/8"	20"	1.50	8'-1 3/4"
42"	4 1/2"		35"	63"	78"	21"	53 3/8"	43"	2.9:1	27 1/2"	22"	1.46	8'-2"
48"	5"		26"	72"	87"	24"	59 1/2"	49"	2.9:1	30"	22"	1.40	8'-2"

NYS DOT PAY ITEM	
ITEM NO.	DESCRIPTION
603.67040008	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE END SECTION, CLASS HE III 24 INCH RISE X 38 INCH SPAN
603.7301	REINFORCED CONCRETE PIPE END SECTION 12 INCH DIAMETER
603.7302	REINFORCED CONCRETE PIPE END SECTION 15 INCH DIAMETER
603.7309	REINFORCED CONCRETE PIPE END SECTION 36 INCH DIAMETER

**A1 STRUCTURE TABLES**  
SCALE: NOT TO SCALE

**C3 CONCRETE END SECTION DETAIL**  
SCALE: NOT TO SCALE



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100% BID DOCUMENTS  
ISSUED FOR CONSTRUCTION

COUNTY OF OSWEGO INDUSTRIAL DEVELOPMENT AGENCY

**OSWEGO COUNTY - INDUSTRIAL  
PARK INFRASTRUCTURE  
EXPANSION PROJECT  
112 HARRIS DRIVE  
PHOENIX, NY 13135**

MARK	DATE	DESCRIPTION
REVISIONS		
		PROJECT NO: 180.272.001
		DATE: MAY 2026
		DRAWN BY: M. MARCHEWKA
		DESIGNED BY: M. MARCHEWKA
		CHECKED BY: K. GRAHAM, P.E.

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

**SITE DETAILS**

**CS505**

SHEET NO. 58 OF 73

May 19, 2026 - 9:38am  
P:\Project\180 - OSWEGO COUNTY\180272001 - O&P Expansion - Final Site Design\Design\CADD\Sheet Files\180272001\_CS-DETAILS.dwg

GENERAL

THE CONTRACTOR SHALL MAINTAIN TRAFFIC THROUGHOUT THE LENGTH AND DURATION OF THE CONTRACT IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 619 OF THE CURRENT NYS DOT STANDARD SPECIFICATIONS, THE NYS DOT STANDARD SHEETS, THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE NEW YORK STATE SUPPLEMENT, THE WORK ZONE TRAFFIC CONTROL (WZTC) DETAILS IN THE PLANS AND PROPOSAL OR A.O.B.E.

FOR TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES IN CONSTRUCTION AREAS NOT SPECIFIED IN THE PLANS, THE PROVISIONS OF PART 6 OF THE CURRENT MUTCD WITH NYS SUPPLEMENT SHALL APPLY. THE STANDARDS OF APPLICATION NOTED THEREIN AND ON THE PLANS ARE TO BE CONSIDERED MINIMUM STANDARDS.

ANY AND ALL WORK RELATED TO WORK ZONE TRAFFIC CONTROL IS CONSIDERED SKILLED AND SPECIALIZED WORK. ALL WORKERS ENGAGED IN WZTC WORK SHALL HAVE HAD SUFFICIENT EXPERIENCE IN SUCH WORK TO SATISFACTORILY PERFORM IT. IDENTIFICATION OF EACH WORKER, ALONG WITH DOCUMENTATION OF EXPERIENCE, SHALL BE PROVIDED TO THE ENGINEER PRIOR TO THE WORKER ENGAGING IN WZTC WORK. DETERMINATION OF COMPETENCY AND DISCHARGING OF INDIVIDUALS SHALL BE AS PER SECTION 105-02 OF THE STANDARD SPECIFICATIONS.

PRIOR TO THE START OF ANY WORK OPERATIONS, ALL RELATED WORK FOR PROPOSED TEMPORARY TRAFFIC CONTROL SHALL BE COMPLETE AND FULLY OPERATIONAL. THIS INCLUDES BUT IS NOT LIMITED TO, ALL SIGNS, TEMPORARY SIGNALS, RETIMING OF EXISTING SIGNALS, PAVEMENT MARKINGS, BARRIERS, DELINEATION (CONES, DRUMS, ETC.), FLAGGERS, PAVEMENT MODIFICATIONS, AND ANY OTHER RELATED WORK AS DIRECTED BY THE ENGINEER IN CHARGE.

WEEDS, SHRUBBERY, CONSTRUCTION MATERIALS, EQUIPMENT, VEHICLES OR WORKERS SHALL NOT OBSCURE TRAFFIC CONTROL DEVICES OR OBSTRUCT TRAFFIC. THE CONTRACTOR SHALL BE REQUIRED TO TRIM ANY FOLIAGE OBSTRUCTING THE VISIBILITY OF ANY TRAFFIC CONTROL DEVICES WHETHER PERMANENT, TEMPORARY OR CONSTRUCTION.

THE CONTRACTOR MUST SUBMIT TO THE ENGINEER, IN WRITING, PROPOSED REVISIONS TO THE WZTC PLAN FOR REVIEW AND APPROVAL BY THE ENGINEER OR DESIGNEE FIVE (5) WORKING DAYS PRIOR TO THE PLANNED IMPLEMENTATION OF SUCH PROPOSED REVISIONS, EXCEPT FOR CHANGES THAT ALTER THE BASIC CONCEPT OF THE WZTC PLAN. SUCH CONCEPTUAL CHANGES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL BY THE COUNTY OR DESIGNEE.

LANE CLOSURES

THE ENGINEER MAY REQUIRE THAT ALL LANES BE RE-OPENED AT ANY TIME IF THE ROUTE IS NEEDED FOR EMERGENCY PURPOSES. THIS COULD INCLUDE INCIDENTS AT LOCATIONS NOT WITHIN THE PROJECT LIMITS.

WHEN LANE CLOSURES ARE USED, THE CONTRACTOR SHALL SCHEDULE WORK SO THAT ALL TRAVEL LANES IN EACH DIRECTION ARE OPEN WHEN THE CONTRACTOR'S OPERATIONS ARE CLOSED DOWN OR SUBSTANTIALLY CLOSED DOWN. THE MINIMUM WIDTH OF TRAVELED LANE SHALL BE 10'-0" UNLESS OTHERWISE SHOWN IN THE PLANS OR PROPOSAL.

THE CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC DURING PEAK HOURS AND SHALL PROVIDE FLAGGERS AS SHOWN ON PLANS OR A.O.B.E. TO CONTROL TRAFFIC MOVEMENT AT THE SITE OF WORK OPERATIONS REQUIRING TEMPORARY CLOSING PORTIONS OF THE TRAVELED WAY. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE LANE OF TRAFFIC IN EACH DIRECTION DURING OFF PEAK HOURS. NO WORK REQUIRING THE CLOSING OF LANES WILL BE PERMITTED THE FOLLOWING HOLIDAYS:

- 1 - MEMORIAL DAY (MAY 22-25, 2026, FRIDAY THRU MONDAY AND MAY 28-31, 2027 FRIDAY THRU MONDAY)
2 - INDEPENDENCE DAY (JULY 3-5, 2026 WEDNESDAY THRU FRIDAY AND JULY 3-5, 2027 SATURDAY THRU MONDAY)
3 - LABOR DAY (SEPTEMBER 4-7, 2026, FRIDAY THRU MONDAY AND SEPTEMBER 3-6, 2027, FRIDAY THRU MONDAY)
4 - COLUMBUS DAY (OCTOBER 9-12, 2026, FRIDAY THRU MONDAY)
5 - THANKSGIVING DAY (NOVEMBER 25-29, 2026, WEDNESDAY THRU SUNDAY)
6 - CHRISTMAS DAY (DECEMBER 24-25, 2026, THURSDAY THRU FRIDAY)
7 - NEW YEARS EVE (DECEMBER 31, 2026 - JANUARY 1, 2027, THURSDAY THRU FRIDAY)

IF, IN THE OPINION OF THE ENGINEER LANE CLOSURES ARE CREATING SIGNIFICANT DELAYS TO TRAFFIC OR ARE CREATING A SAFETY CONCERN DUE TO SLOWED OR STOPPED TRAFFIC, AFFECTED LANE CLOSURES SHALL BE REMOVED AND THE ROADWAY OPENED TO TRAFFIC.

THE CONTRACTOR WILL BE PERMITTED TO SUBMIT TO THE RESIDENT ENGINEER A REQUEST, FOR REVIEW AND APPROVAL TO CLOSE SIDE STREETS DAILY BETWEEN 9:00AM TO 3:00PM. REQUEST SHALL INCLUDE PROPOSED DETOUR PLAN AND UPDATED HIGHWAY PERMIT AS APPLICABLE, PRIOR TO THE IMPLEMENTATION OF APPROVED DETOUR/CLOSURE THE CONTRACTOR SHALL PROVIDE NOTICE TO IMPACTED RESIDENCES AND BUSINESSES 48 HOURS IN ADVANCE.

CONTRACTOR VEHICLES

EXCEPT WHERE BEHIND GUIDERAIL/BARRIER, BEYOND THE DEFLECTION DISTANCE AND WITHIN THE POINT OF NEED COVERAGE OF THE GUIDERAIL/BARRIER SYSTEM, VEHICLES, MATERIALS, AND/OR EQUIPMENT, INCLUDING OUT OF SERVICE SIGNS, SHALL NOT BE PARKED OR STORED WITHIN 30' OF A ROADWAY USED BY THE GENERAL PUBLIC OR ANY AREA TRAVERSABLE BY AN ERRANT VEHICLE OR ANY OTHER AREAS DEEMED HAZARDOUS BY THE ENGINEER. VEHICLES OR EQUIPMENT ARE NOT TO BE PARKED ALONG THE ROADWAY USED BY THE GENERAL PUBLIC, OR ANY OTHER AREAS DEEMED HAZARDOUS BY THE ENGINEER.

THE CONTRACTOR SHALL NOT PARK EQUIPMENT WHERE IT WILL OBSTRUCT NORMAL TRAFFIC FLOW OR THE VIEW OF ONCOMING TRAFFIC.

VEHICLES BELONGING TO THE CONTRACTOR OR THE CONTRACTOR'S WORKERS SHALL NOT BE PARKED ON THE PAVEMENT OR SHOULDERS ALONG THE ROADWAY WHERE PARKING IS NOT NORMALLY PERMITTED.

VEHICLES BELONGING TO THE CONTRACTOR OR THE CONTRACTOR'S EMPLOYEES SHALL NOT BE PARKED IN A MANNER WHICH OBSTRUCTS SIGNS, BARRIERS, BARRICADES, OTHER TRAFFIC CONTROL DEVICES.

SIGNS

THE CORRECT SEQUENCE AND SPACING OF APPROPRIATE SIGNS, WHETHER PERMANENT, TEMPORARY, OR CONSTRUCTION, MUST BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE CURRENT MUTCD, THE PLANS, AND AS DIRECTED BY THE ENGINEER.

ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE CURRENT NATIONAL MUTCD WITH NYS SUPPLEMENT. THE LOCATIONS OF THE SIGNS SHOWN ON THE TEMPORARY TRAFFIC CONTROL PLANS AND DETAILS MAY BE ADJUSTED BASED ON SIGHT DISTANCE AND OTHER CONSIDERATIONS. THE FINAL LOCATIONS OF SIGNS ARE SUBJECT TO APPROVAL OF THE ENGINEER IN CHARGE.

ANY EXISTING SIGNS, INCLUDING OVERHEAD SIGNS, WHICH CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL SIGN LAYOUT SHALL BE COVERED, REMOVED, STORED OR RESET, A.O.B.E. BLANK COVERS USED TO COVER PORTIONS OF EXISTING SIGNS SHALL BE OF A COLOR AND REFLECTORIZED MATERIAL MATCHING THAT OF THE SIGN BEING PARTIALLY COVERED. PAYMENT UNDER ITEM 619.01. THE CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGE TO SIGNS CAUSED BY THE METHODS USED TO TEMPORARILY REMOVE, RELOCATE OR COVER SIGN PANELS OR SIGN TEXT, AT NO ADDITIONAL COST TO THE COUNTY. ALL APPROPRIATE EXISTING SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND/OR LOCATION UNLESS OTHERWISE REPLACED IN THIS CONTRACT.

WHEN TWO OR MORE WORK AREAS ARE ADJACENT, OVERLAP, OR ARE IN CLOSE PROXIMITY AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL ENSURE THERE ARE NO CONFLICTING SIGNS AND THAT LANE CONTINUITY IS MAINTAINED THROUGHOUT ALL WORK AREAS.

SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT A MOTORIST'S LINE OF SIGHT.

ALL CONSTRUCTION SIGNS SHALL BE MOUNTED ON AASHTO MASH APPROVED TEMPORARY SIGN SUPPORTS UNLESS SHIELDED BY TEMPORARY CONCRETE BARRIER OR GUIDE RAIL, AND LOCATED BEYOND THE DEFLECTION DISTANCES. SIGN SUPPORTS FABRICATED PER STANDARD SHEET 619-004 SHALL BE CONSIDERED AASHTO MASH APPROVED.

IF CONSTRUCTION RELATED TRAFFIC CONGESTION BACKS UP BEYOND THE INSTALLED ADVANCE SIGN SEQUENCE, ADDITIONAL ADVANCE SIGNING SHALL BE PLACED IN ADVANCE OF THE CONGESTION.

ALL WARNING AND REGULATORY SIGNS SHALL BE POSTED ON BOTH SIDES OF THE ROADWAY ON DIVIDED HIGHWAYS, MULTI-LANE RAMPS, ONE-WAY STREETS AND AS DIRECTED BY THE ENGINEER IN CHARGE.

UNDER NO CIRCUMSTANCES SHALL A SIGN PANEL BE TRUNCATED OR TRIMMED SO THAT IT WILL NOT INTERFERE WITH TRAVEL WAY. IF THIS CONDITION EXISTS, THE ENGINEER IN CHARGE WILL DIRECT THE CONTRACTOR TO RELOCATE THAT SIGN AS NOT TO CAUSE ANY OBSTRUCTION WITH THE TRAVEL WAY.

WARNING FLAGS ON SIGNS MAY BE USED TO INCREASE TARGET VALUE AND VISIBILITY OF WORK ZONE SIGNS DURING DAYLIGHT HOURS.

THE DIMENSIONS OF WORK ZONE TRAFFIC CONTROL SIGNS ARE DESCRIBED ON STANDARD SHEET 619-012. THESE DIMENSIONS MAY BE INCREASED WHENEVER NECESSARY FOR GREATER LEGIBILITY OR EMPHASIS.

THE CONTRACTOR SHALL INSTALL 'ROAD WORK AHEAD' INITIAL WARNING SIGNS (W20-1) AT THE LIMITS OF THE PROJECT AND AT ALL RAMPS/INTERSECTIONS/SIDEROADS IN ADVANCE OF EACH HIGHWAY WORK AREA, POSTED PER TABLE 011-06 OF THE STANDARD SHEET 619-011, AND AS DIRECTED BY THE ENGINEER BASED ON ACTUAL CONSTRUCTION CONDITIONS. THESE SIGNS SHALL BE COVERED OR REMOVED WHEN THERE IS NO CONSTRUCTION CONDITION IN EFFECT.

IF ADVANCE SIGNING OBSTRUCTS THE VISIBILITY OF THE FLAGGER OR CONFLICTS WITH DRIVEWAYS OR SIDE ROADS, SIGNS SHOULD BE MOVED UPSTREAM AS DIRECTED BY THE ENGINEER.

ALL SIGNS NECESSARY FOR THE MAINTENANCE AND PROTECTION OF TRAFFIC (INCLUDING RELOCATION AND/OR MODIFICATION AND/OR RESTORATION OF EXISTING SIGN PANELS) AS NOTED IN THE PLANS, STANDARD SPECIFICATIONS, MUTCD, OR A.O.B.E. SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, BASIC WORK ZONE TRAFFIC CONTROL.

WORK AREA COORDINATION

THE CONTRACTOR SHALL COORDINATE ALL CONTRACT WORK WITH ANY UTILITY WORK, SUBCONTRACTOR WORK, PUBLIC MAINTENANCE OPERATIONS, OR OTHER CONSTRUCTION ACTIVITIES IN THE AREA, TO ENSURE THAT THERE ARE NO WORK ZONE TRAFFIC CONTROL CONFLICTS AND THAT WORK ZONE TRAFFIC CONTROL COMPLIES WITH ALL STANDARDS AND ALL TRAFFIC IS PROPERLY AND SAFELY MAINTAINED AND PROTECTED AT ALL TIMES.

WHEN TWO OR MORE WORK AREAS ARE ADJACENT, OVERLAP, OR ARE IN CLOSE PROXIMITY AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL ENSURE THERE IS NO CONFLICT IN SIGNING AND THAT LANE CONTINUITY IS MAINTAINED THROUGHOUT ALL WORK AREAS.

ALL VEHICLES, EQUIPMENT, WORKERS, AND TEMPORARY TRAFFIC CONTROL ZONES SHALL BE RESTRICTED TO ONE SIDE OF THE ROADWAY AT A TIME.

DELINEATION AND GUIDING DEVICES

WHERE POSSIBLE ALL CHANNELIZING/DELINEATION AND GUIDING DEVICES ARE TO BE PLACED SO AS TO PROVIDE A MINIMUM OF 2'-0" CLEARANCE TO THE TRAVELED WAY UNLESS OTHERWISE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAKE CERTAIN THAT PLACEMENT OF CONES, DRUMS AND MARKERS, OR BARRICADES SHALL NOT INTERFERE WITH SIGHT DISTANCE.

LONGITUDINAL SPACING SHALL BE 1 FT FOR EVERY MPH OF THE SPEED LIMIT, (I.E. 30 MPH = 30 FT SPACING), BUT NOT MORE THAN 40 FT, REDUCED TO 5 FT AT INTERSECTIONS AND COMMERCIAL DRIVEWAYS, REDUCED SPACING MAY BE REQUIRED AS A.O.B.E.

A DRUM MOUNTED WITH A TYPE B FLASHING HIGH INTENSITY WARNING LIGHT SHALL BE PLACED ON ALL APPROACHES TO A BUMP OR DIP IN THE PAVEMENT (A PAVEMENT CONDITION CONSIDERED BY THE ENGINEER TO BE SUFFICIENTLY ABRUPT ENOUGH TO CAUSE CONSIDERABLE DISCOMFORT, CARGO SHIFTING, OR DEFLECTION OF A VEHICLE FROM ITS TRUE COURSE AT PREVAILING DRIVING SPEEDS). THE COST OF THESE DRUMS AND LIGHTS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, BASIC WORK ZONE TRAFFIC CONTROL.

WHERE POSSIBLE A LATERAL BUFFER SPACE OF 1 FT SHALL BE PROVIDED BETWEEN THE WORK AREA AND THE LINE OF CHANNELIZING DEVICES. ONLY DRUMS OR 1 FT X 2 FT VERTICAL PANELS SHALL BE USED AS CHANNELIZING DEVICES DURING HOURS OF DARKNESS.

THE COST OF ANY DELINEATION AND GUIDING DEVICES (CONES, DRUMS, ETC.) SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, BASIC WORK ZONE TRAFFIC CONTROL.

DEFORMED OR DAMAGED CHANNELIZING DEVICES THAT DO NOT MAINTAIN APPEARANCE, COLOR AND REFLECTIVITY WILL BE EVALUATED FOR ACCEPTABILITY IN ACCORDANCE WITH THE AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) "QUALITY GUIDELINES FOR WORK ZONE TRAFFIC CONTROL DEVICES". AS THE CONDITION OF DEVICES DETERIORATE OVER TIME, THOSE THAT FALL BELOW THE MARGINAL CATEGORY SHALL BE REPLACED.

THE CONTRACTOR SHALL PROVIDE PROPERTY OWNERS WITH PROPER ACCESS A.O.B.E. TO THEIR DRIVEWAYS AND SHALL MAINTAIN ACCESS THROUGH ALL PHASE WORK AREAS AND SHALL DELINEATE ACCESS BY MEANS OF SIGNS, CONES, AND OR DRUMS A.O.B.E. THE COSTS FOR SIGNS AND ANY OTHER DELINEATION AND GUIDING DEVICES (CONES, DRUMS, ETC.) SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, BASIC WORK ZONE TRAFFIC CONTROL.

ACCESS TO RESIDENTIAL AND COMMERCIAL DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES, UNLESS OTHER AGREEMENTS, SUITABLE TO THE OWNERS, CAN BE MADE. PROPERTY OWNERS WHOSE DRIVEWAYS WILL BE MADE INACCESSIBLE SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 24 HOURS PRIOR TO RESTRICTING USE OF THE DRIVE. THE CONTRACTOR SHALL MAINTAIN ACCESS TO COMMERCIAL DRIVEWAYS AT ALL TIMES WHEN A FACILITY IS IN USE. FOR MULTIPLE ACCESS PROPERTIES, ONLY ONE DRIVEWAY MAY BE CLOSED AT ONE TIME. ACCESS SHALL BE RESTORED TO ALL DRIVEWAYS AS SOON AS POSSIBLE.

SUITABLE RAMPS SHALL BE INSTALLED TO MAINTAIN SMOOTH TRANSITIONS FROM RESIDENTIAL AND COMMERCIAL DRIVEWAYS TO AND FROM THE WORK AREA. THE MATERIAL SHALL CONSIST OF CRUSHED STONE OR ASPHALT CONCRETE, WHICHEVER IS DEEMED MORE APPROPRIATE FOR THE CIRCUMSTANCE, A.O.B.E. PLASTIC DRUMS OR OTHER APPROVED TRAFFIC CONTROL DEVICES SHALL BE USED TO DELINEATE THE DRIVEWAY AND TO CONTROL ACCESS DURING NON-WORKING HOURS. PAYMENT UNDER ITEM 619.01, BASIC WORK ZONE TRAFFIC CONTROL.

WHEN A SIDE ROAD OR DRIVEWAY INTERSECTS THE HIGHWAY WITHIN THE TEMPORARY TRAFFIC CONTROL ZONE, ADDITIONAL TRAFFIC CONTROL DEVICES SHALL BE ERECTED AND FLAGGERS POSTED AT APPROPRIATE LOCATIONS A.O.B.E. ALL COSTS INVOLVED SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, BASIC WORK ZONE TRAFFIC CONTROL.



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OSWEGO COUNTY - INDUSTRIAL
PARK INFRASTRUCTURE
EXPANSION PROJECT
112 HARRIS DRIVE
PHOENIX, NY 13135

Table with 3 columns: MARK, DATE, DESCRIPTION

Table with 2 columns: REVISIONS, PROJECT NO. 180.272.001, DATE: MAY 2026, DRAWN BY: M. MARCHEWKA, DESIGNED BY: M. MARCHEWKA, CHECKED BY: K. GRAHAM, P.E.

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

WORK ZONE TRAFFIC CONTROL NOTES

CS506

SHEET NO. 59 OF 73

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FLAGGERS

WHEN FLAGGERS ARE BEING USED FOR TRAFFIC CONTROL PURPOSES, FLAGGER SIGNS (W20-7) SHALL BE PLACED AS SHOWN ON PLANS OR A.O.B.E. ON ALL APPROACHES TO THE AREAS BEING FLAGGED. THE COST OF FLAGGER SIGNS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, BASIC WORK ZONE TRAFFIC CONTROL. FLAGGER SIGNS SHALL NOT BE USED FOR BRIEF PERIODS OF INCIDENTAL FLAGGING. FLAGGER SIGNS SHALL NOT BE VISIBLE WHEN FLAGGERS ARE NOT BEING USED.

FLAGGERS SHALL USE THE FREE HAND FOR EMPHASIS AS DESCRIBED IN SECTION 6E OF THE MUTCD. EACH FLAGGER SHALL CONTROL NO MORE THAN ONE APPROACH OF TRAFFIC.

STOP/SLOW PADDLES SHALL BE REQUIRED FOR ALL FLAGGING AND SHALL CONFORM TO THE REQUIREMENTS IN THE MUTCD BUT SHALL BE A MINIMUM WIDTH OF 2'-0" FT. THE COST OF THESE PADDLES AND ALL FLAGGERS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, BASIC WORK ZONE TRAFFIC CONTROL.

FLAGGERS SHALL NOT POSITION THEMSELVES DIRECTLY IN THE PATH OF ONCOMING TRAFFIC. THE FLAGGER SHOULD STAND EITHER ON THE SHOULDER ADJACENT TO THE TRAFFIC BEING CONTROLLED, OR IN THE CLOSED/CHANNELIZED LANE. AT ALL TIMES, THE CONTRACTOR SHALL PROVIDE FLAGGERS WITH A CLEAR ESCAPE PATH, FREE OF PARKED VEHICLES, EQUIPMENT OR OTHER OBSTACLES.

THE CONTRACTOR SHALL PROVIDE FLAGGERS WHERE SIGHT DISTANCES ARE IMPAIRED BY THE OPERATION OR IN ANY OTHER SITUATION A.O.B.E.

FLAGGERS SHALL BE REQUIRED TO USE TWO-WAY RADIOS, WALKIE-TALKIES, OR OTHER FORMS OF ENHANCED COMMUNICATION WHEN ONE FLAGGER IS NOT VISIBLE TO THE OTHER OR IF THE ENGINEER DEEMS IT NECESSARY. ALL COSTS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, BASIC WORK ZONE TRAFFIC CONTROL.

THE ENGINEER SHALL DETERMINE THE NUMBER OF FLAGGERS NEEDED FOR EACH WORK ZONE. UNDER CERTAIN GEOMETRIC AND TRAFFIC SITUATIONS, MORE THAN ONE FLAGGER STATION MAY BE REQUIRED.

FLAGGER STATIONS SHOULD BE VISIBLE FAR ENOUGH AHEAD TO PERMIT ALL VEHICLES TO STOP. THE FLAGGER SHOULD BE STATIONED FAR ENOUGH AHEAD OF THE WORK FORCE TO WARN THEM WITH AIR HORNS TO COMPLY WITH CURRENT SPECIFICATIONS OF APPROACHING DANGER, SUCH AS VEHICLES OUT OF CONTROL.

FLAGGERS AND CONTRACTOR PERSONNEL SHALL ENSURE THE SAFETY OF PEDESTRIANS THROUGH THE WORK ZONE AS NECESSARY.

WHEN A SIDE ROAD OR DRIVEWAY INTERSECTS THE HIGHWAY WITHIN THE TEMPORARY TRAFFIC CONTROL ZONE, ADDITIONAL TRAFFIC CONTROL DEVICES AND FLAGGERS SHALL BE PROVIDED.

PAVEMENT MARKINGS

THE CONTRACTOR SHALL MAINTAIN PAVEMENT MARKINGS AT ALL TIMES ON ALL PAVEMENT, WHETHER EXISTING, TEMPORARY, OR NEW UNTIL PERMANENT MARKINGS ARE INSTALLED OR RESTORED. THIS SHALL INCLUDE AT ALL APPROPRIATE LOCATIONS, LANE LINES, CHANNELIZING LINES, STOP LINES, AND TYPE S CROSSWALKS. PAYMENT SHALL BE UNDER ITEM 619.0901, TEMPORARY PAVEMENT MARKINGS, STRIPES (TRAFFIC PAINT).

OPEN CUTS IN PAVEMENT

ALL ROADWAY AREAS TEMPORARILY CLOSED FOR TRENCH, CULVERT, OR CONDUIT EXCAVATION, OR EXCAVATION REQUIRED FOR ALTERING DRAINAGE STRUCTURES SHALL BE REOPENED AT THE END OF THE WORK DAY. AT ALL TIMES WHEN WORK IS NOT IN PROGRESS, ALL OPENINGS IN THE ROADWAY SHALL BE COVERED WITH ANCHORED STEEL PLATES OR SHALL BE BACKFILLED IN ACCORDANCE WITH SECTION 203-3.13 OR TO A DEPTH A.O.B.E. IF ANCHORED STEEL PLATES ARE THE CHOSEN OPTION, THE CONTRACTOR SHALL SUBMIT THE PROPOSED METHOD OF ANCHORING THE STEEL PLATES TO THE ENGINEER FOR APPROVAL PRIOR TO STARTING ANY ROADWAY EXCAVATION. THE STEEL PLATES SHALL BE RAMPED WITH A BITUMINOUS MATERIAL PRIOR TO OPENING THE LANE. A ROUGH ROAD SIGN (W8-8) WITH A SUPPLEMENTAL DISTANCE PANEL (W7-3gP OR W16-4P) SHALL BE PLACED AT THE END OF WORK LIMITS FOR THAT STREET. THE DISTANCE ON THE SUPPLEMENTAL DISTANCE PANEL SHALL BE THE LENGTH OF THE WORK LIMITS FOR THAT STREET. THE COST OF THIS WORK, INCLUDING ALL LABOR, MATERIALS (EXCEPT ASPHALT), EQUIPMENT, AND ANY RE-EXCAVATION OF TEMPORARILY RESTORED AREAS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, BASIC WORK ZONE TRAFFIC CONTROL.

TEMPORARY WARM MIX ASPHALT SHALL BE REQUIRED AT PAVEMENT TERMINATION AREAS IN ORDER TO PROVIDE A SMOOTH TRAVELED WAY. THE TAPER RATE BETWEEN THE EXISTING AND MILLED SURFACES SHALL BE 1" ON POSTED SPEED LIMIT. THE WEDGE MATERIAL SHALL BE THE SAME AS THE TOP COURSE ITEM USED IN THE CONTRACT OR EQUIVALENT, A.O.B.E. THE COST OF NECESSARY CLEANING, TACK COAT, WMA PLACEMENT AND REMOVAL SHALL BE PAID FOR UNDER ITEM 619.01, BASIC WORK ZONE TRAFFIC CONTROL.

BUMPS

A W8-1 "BUMP" SIGN SHALL BE PLACED ON ALL APPROACHES WHERE A BUMP IS PRESENT IN THE ROADWAY. WHERE NUMEROUS BUMPS OR DIPS OCCUR, THE W8-1 "BUMP" SIGN SHALL BE REPLACED WITH A W8-8 "ROUGH ROAD" SIGN.

A W8-15 'GROOVED PAVEMENT' SIGN WITH A W8-15P "MOTORCYCLE PLAQUE" SIGN SHALL PRECEDE MILLED AREAS THAT CONSTITUTE MORE THAN AN ISOLATED BUMP. THE COST OF THE SIGNS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, BASIC WORK ZONE TRAFFIC CONTROL.

A OM1-3 MARKER LOCATED RIGHT AT OR IMMEDIATELY IN ADVANCE OF THE BUMP SHALL BE USED IN CONJUNCTION WITH THE W8-1 SIGN. A TYPE B FLASHING WARNING LIGHT SHALL BE USED WITH THE OM1-3 MARKER.

THE CONTRACTOR SHALL TAKE ALL ACTION, AS DIRECTED BY THE ENGINEER, TO ELIMINATE BUMPS. ONLY WHEN IT IS NOT POSSIBLE OR FEASIBLE, IN THE OPINION OF THE ENGINEER, TO ELIMINATE A BUMP SHALL IT BE ALLOWED TO REMAIN. BUMPS CAUSED BY MILLING SHALL BE RAMPED AT A MINIMUM RATE OF SPEED LIMIT HORIZONTAL TO 1 VERTICAL. I.E., 40 MPH=40 TO 1.

BICYCLISTS AND PEDESTRIANS

THE NEEDS AND CONTROL OF ALL ROAD USERS (MOTORISTS, BICYCLISTS, AND PEDESTRIANS WITHIN THE HIGHWAY INCLUDING PERSONS WITH DISABILITIES IN ACCORDANCE WITH THE AMERICAN WITH DISABILITIES ACT OF 1990 (ADA) TITLE II, PARAGRAPH 35.130) THROUGH A WORK ZONE SHALL BE AN ESSENTIAL PART OF THE HIGHWAY CONSTRUCTION, UTILITY WORK, MAINTENANCE, AND THE MANAGEMENT OF TRAFFIC INCIDENTS.

THE CONTRACTOR SHALL PROVIDE, DELINEATE AND MAINTAIN A USABLE TRAVEL PATH FOR PEDESTRIANS AND BICYCLISTS EITHER THROUGH OR AROUND WORK ZONES FOR THE DURATION OF THIS PROJECT, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE TRAVEL PATH SHALL COMPLY WITH THE PROVISIONS OF THE ADA GUIDELINES AND NYS HIGHWAY LAW, SECTION 316. THE CONTRACTOR MAY UTILIZE ANY COMBINATION OF THE FOLLOWING TO PROVIDE THE USABLE TRAVEL PATH: EXISTING SIDEWALKS/SHOULDERS; TEMPORARY SIDEWALKS/SHOULDERS; FINAL SIDEWALKS/SHOULDERS; AND EXISTING OR TEMPORARY SIDEWALK CURB RAMPS. THE USABLE TRAVEL PATH SHALL BE CLEARLY MARKED AND STAGED BETWEEN INTERSECTING ROADS TO ENSURE SAFE PEDESTRIAN CROSSING AND ACCESSIBILITY. PEDESTRIAN ACCESS TO RESIDENTIAL AND COMMERCIAL PROPERTIES SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION.

THE CONTRACTOR SHALL CONDUCT WORK OPERATIONS TO MINIMIZE THE INTERRUPTION OF PEDESTRIAN TRAFFIC. THE TEMPORARY STORAGE OF CONSTRUCTION EQUIPMENT OR MATERIALS SHALL NOT BE PERMITTED ON ANY USABLE TRAVEL PATH THAT IS OPEN TO PEDESTRIAN TRAFFIC.

SUGGESTED SEQUENCE OF CONSTRUCTION

OBTAIN ALL DRIVEWAY AND GRADING RELEASES FROM PROPERTY OWNERS.

CLEAR UTILITY RELOCATIONS TO NO LONGER BE IN CONFLICT WITH PROPOSED CONSTRUCTION, INCLUDING NATIONAL GRID, VERIZON AND SPECTRUM AERIAL LINES AND POLES, AND OCWA WATER LINES AND HYDRANTS. SET UP TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.

INSTALL NEW CLOSED DRAINAGE SYSTEM, INLINE DRAIN AND INFILTRATION TRENCH ON NORTH SIDE OF HIGHWAY. PAVE UP THROUGH FIRST LIFT OF BASE COURSE. REMOVE EXISTING DRAINAGE STRUCTURES BEING ABANDONED ON SOUTH SIDE OF HIGHWAY. PERFORM CROSS CULVERT RE-LINING AND END SECTION EXTENSION.

CONSTRUCT PAVEMENT WIDENING ON NORTH SIDE OF HIGHWAY UP THROUGH FIRST LIFT OF BASE COURSE. INSTALL GRANITE CURB. INSTALL CONCRETE SIDEWALKS AND CURB RAMPS. CONSTRUCT CURBED ISLANDS. INSTALL SEGMENTAL BLOCK RETAINING WALL. BEGIN DRIVEWAY RECONSTRUCTIONS ON NORTH SIDE.

CONSTRUCT FULL DEPTH SHOULDER ON SOUTH SIDE OF HIGHWAY UP THROUGH FIRST LIFT OF BASE COURSE. REMOVE EXISTING GUIDERAILING. BEGIN DRIVEWAY RECONSTRUCTIONS ON SOUTH SIDE.

MILL EXISTING TRAVEL LANES INCLUDING SIDE STREETS AND PAVEMENT TERMINATION AREAS. MILL BOX OUT WEDGE IN WIDENING AREAS. PERFORM CRACK SEALING. PAVE TOP LIFT OF WMA BASE COURSE INCLUDING BOX OUT WEDGE. PAVE WMA TRUE AND LEVELING COURSE. PAVE WMA BINDER COURSE.

MAINTAIN TEMPORARY STRIPING AFTER ALL MILLING AND PAVING OPERATIONS.

INSTALL TRAFFIC CONTROL SIGNALS. REMOVE OLD SIGNAL EQUIPMENT.

INSTALL FINAL SIGNAGE.

ADJUST MANHOLES, DRAINAGE STRUCTURES, AND VALVE BOXES TO FINISHED GRADE.

PAVE WMA TOP COURSE INCLUDING TIP UP GUTTER. COMPLETE DRIVEWAY PAVING.

APPLY FINAL PAVEMENT MARKINGS.

INSTALL NEW GUIDE RAILING.

CONSTRUCT CONCRETE LANDINGS AND BUS STOP PADS.

INSTALL DETECTABLE WARNING FIELDS AT CURB RAMPS AND LANDINGS.

COMPLETE LANDSCAPING AND TURF ESTABLISHMENT INCLUDING SNOW STORAGE AREAS.

COMPLETE MISCELLANEOUS WORK (MAILBOXES, ETC.)

CLEAN ALL DRAINAGE SYSTEMS.

REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.

PERFORM FINAL SITE CLEAN UP.



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**OSWEGO COUNTY - INDUSTRIAL  
PARK INFRASTRUCTURE  
EXPANSION PROJECT  
112 HARRIS DRIVE  
PHOENIX, NY 13135**

MARK	DATE	DESCRIPTION

REVISIONS	
PROJECT NO:	180.272.001
DATE:	MAY 2026
DRAWN BY:	M. MARCHEWKA
DESIGNED BY:	M. MARCHEWKA
CHECKED BY:	K. GRAHAM, P.E.

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**WORK ZONE TRAFFIC CONTROL NOTES**

**CS507**

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**A1 WORK ZONE TRAFFIC CONTROL NOTES**

SCALE: NOT TO SCALE



**STOPPING & INTERSECTION SIGHT DISTANCE**

SHEET CX101

COUNTY ROUTE 59  
STOPPING SIGHT DISTANCE  
ALIGNMENT

RIGHT TURN  
ALIGNMENT  
PASSENGER CAR 290' +

RIGHT TURN  
ALIGNMENT TRUCK  
375' +

50' ROADWAY  
SETBACK

NO FUTURE  
DEVELOPMENT  
AREAS TO MAINTAIN  
REQUIRED SIGHT  
DISTANCE

LEFT TURN  
ALIGNMENT  
PASSENGER CAR  
335' +

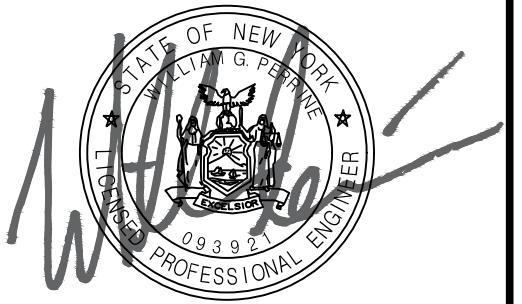
LEFT TURN  
ALIGNMENT TRUCK  
420' +

**MINIMUM REQUIRED INTERSECTION SIGHT DISTANCE**

		REQUIRED	ACTUAL
PASSENGER CAR	LT	335'	335' +
	RT	290'	290' +
TRUCK	LT	420'	420' +
	RT	375'	375' +



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COUNTY OF OSWEGO INDUSTRIAL DEVELOPMENT AGENCY

**OSWEGO COUNTY - INDUSTRIAL  
PARK INFRASTRUCTURE  
EXPANSION PROJECT  
112 HARRIS DRIVE  
PHOENIX, NY 13135**

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO:	180.272.001
DATE:	MAY 2026
DRAWN BY:	S. JOHNSON
DESIGNED BY:	S. JOHNSON
CHECKED BY:	K. WESSEL, P.E.

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**STOPPING &  
INTERSECTION SIGHT  
DISTANCE**

C1100

SHEET NO. 62 OF 73

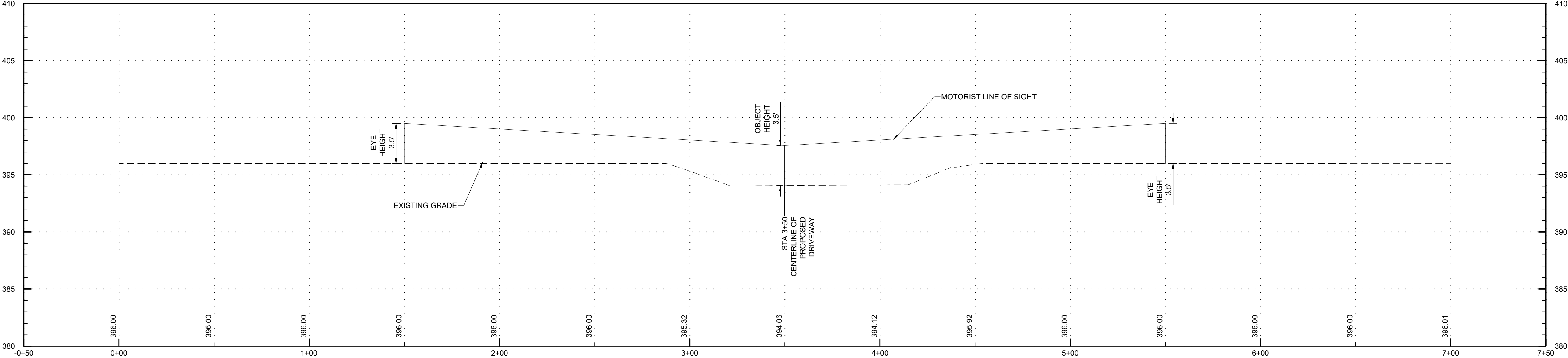
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CR 59 STOPPING SIGHT DISTANCE - 200' REQUIRED (>200' ACTUAL)

STOPPING SIGHT DISTANCE PROFILE



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 EXPANSION PROJECT  
 112 HARRIS DRIVE  
 PHOENIX, NY 13135**

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO:	180.272.001
DATE:	MAY 2026
DRAWN BY:	S. JOHNSON
DESIGNED BY:	S. JOHNSON
CHECKED BY:	K. WESSEL, P.E.

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ROAD PROFILE

CI301

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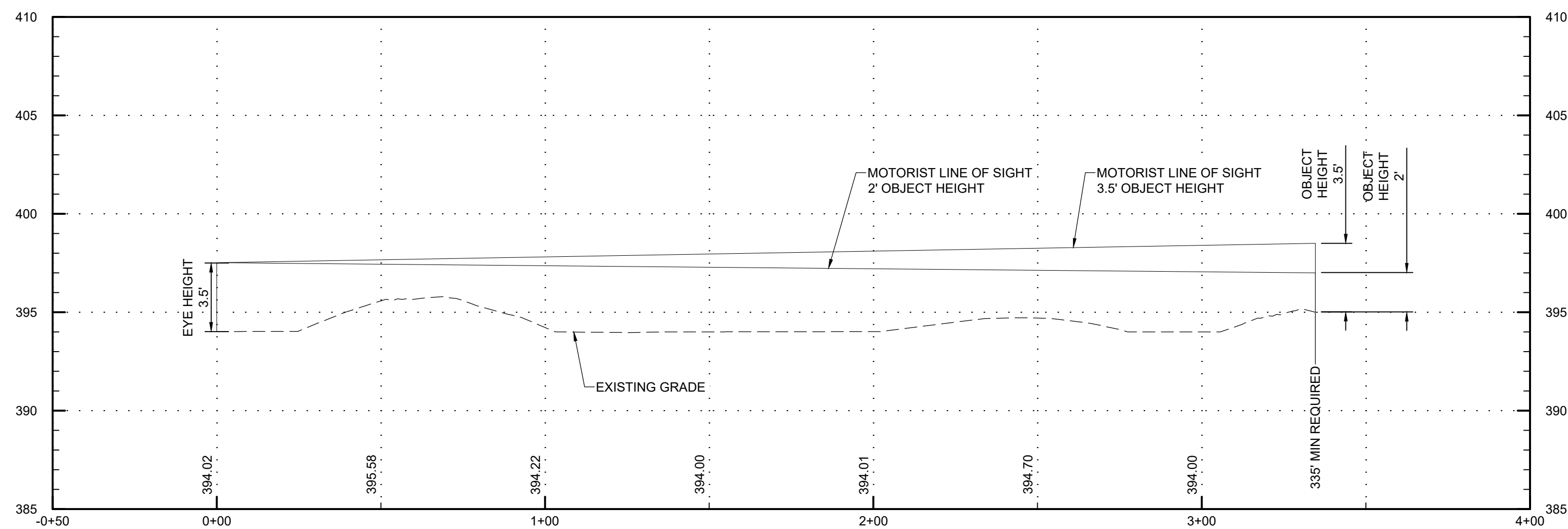
**A1** PROFILES

SCALE: H: 1" = 30'; V: 1" = 5'



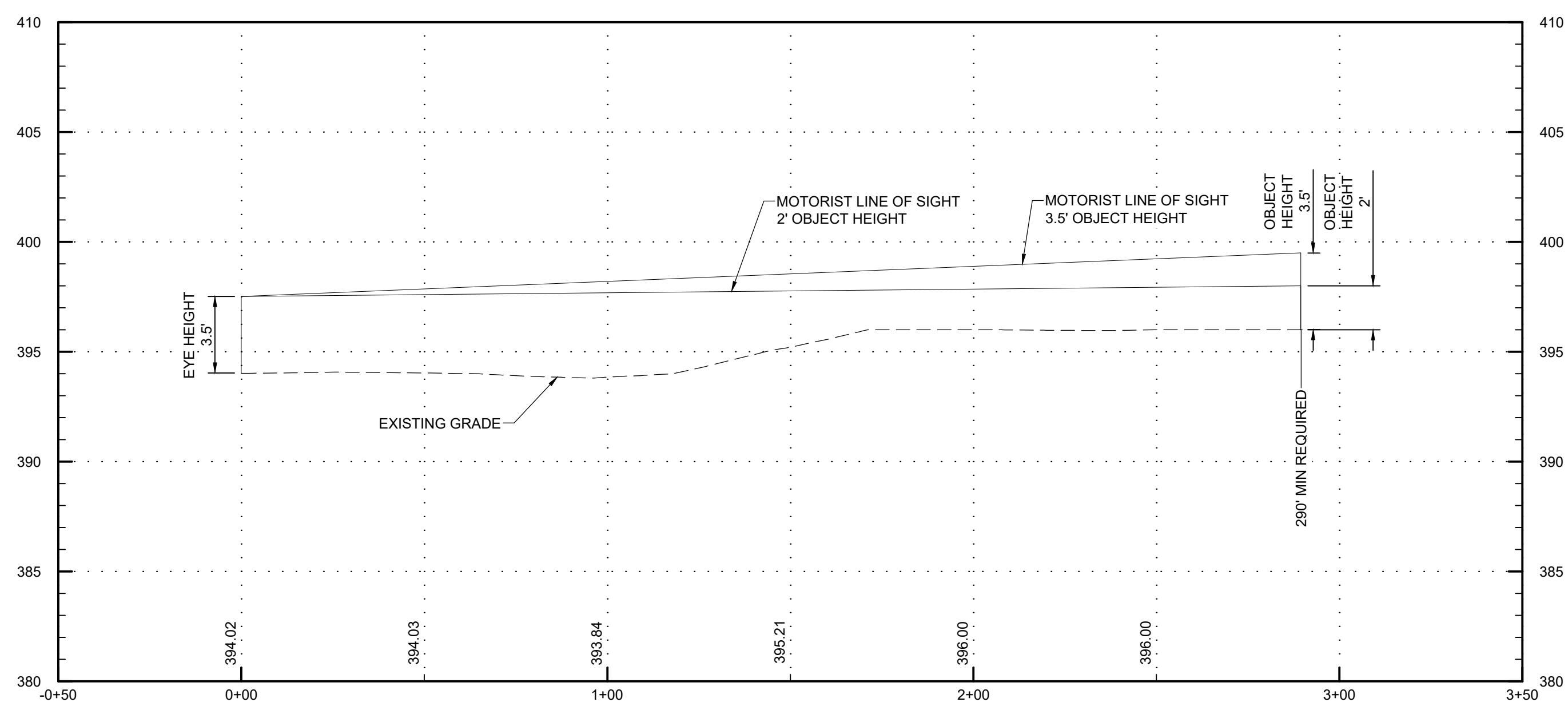
**INTERSECTION SIGHT DISTANCE:  
PASSENGER CAR LEFT TURN 335' REQUIRED (335' + ACTUAL)**

**LEFT TURN - PASSENGER CAR PROFILE**



**INTERSECTION SIGHT DISTANCE:  
PASSENGER CAR RIGHT TURN 290' REQUIRED (290' + ACTUAL)**

**RIGHT TURN - PASSENGER CAR PROFILE**



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PARK INFRASTRUCTURE  
EXPANSION PROJECT  
112 HARRIS DRIVE  
PHOENIX, NY 13135**

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: 180.272.001		
DATE: MAY 2026		
DRAWN BY: S. JOHNSON		
DESIGNED BY: S. JOHNSON		
CHECKED BY: K. WESSEL, P.E.		
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ROAD PROFILE

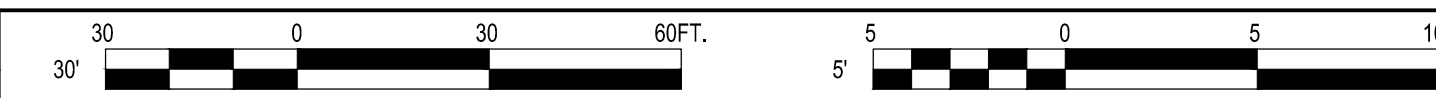
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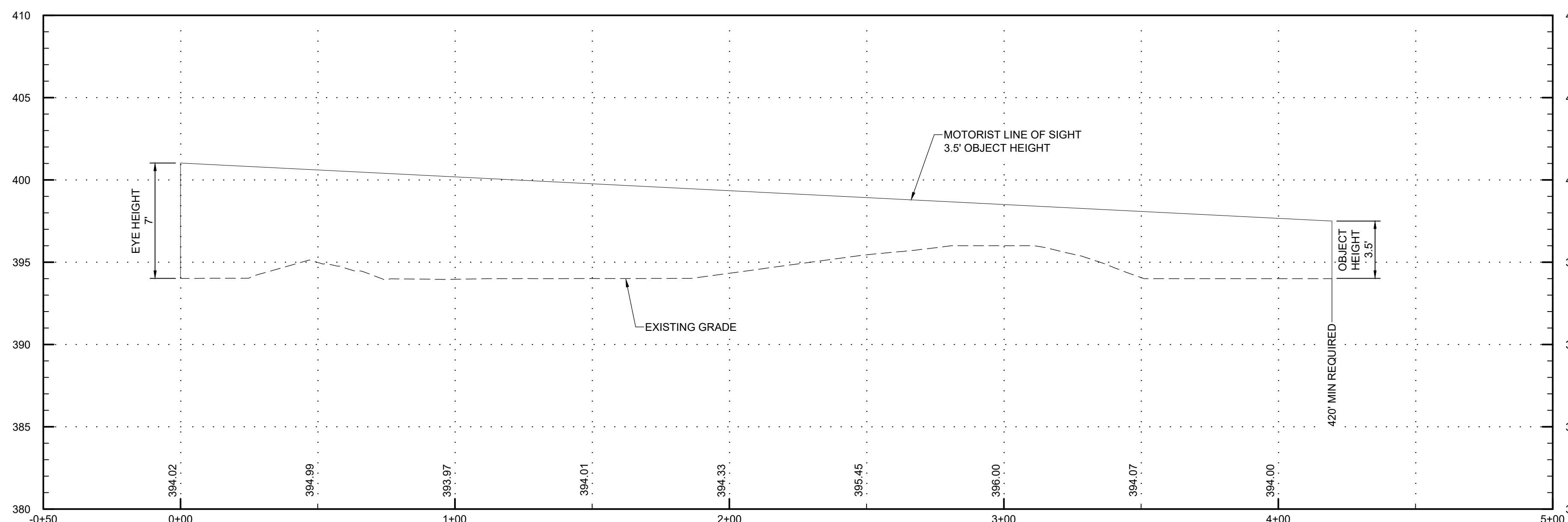
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**A1 PROFILES**  
SCALE: H: 1" = 30' V: 1" = 5'



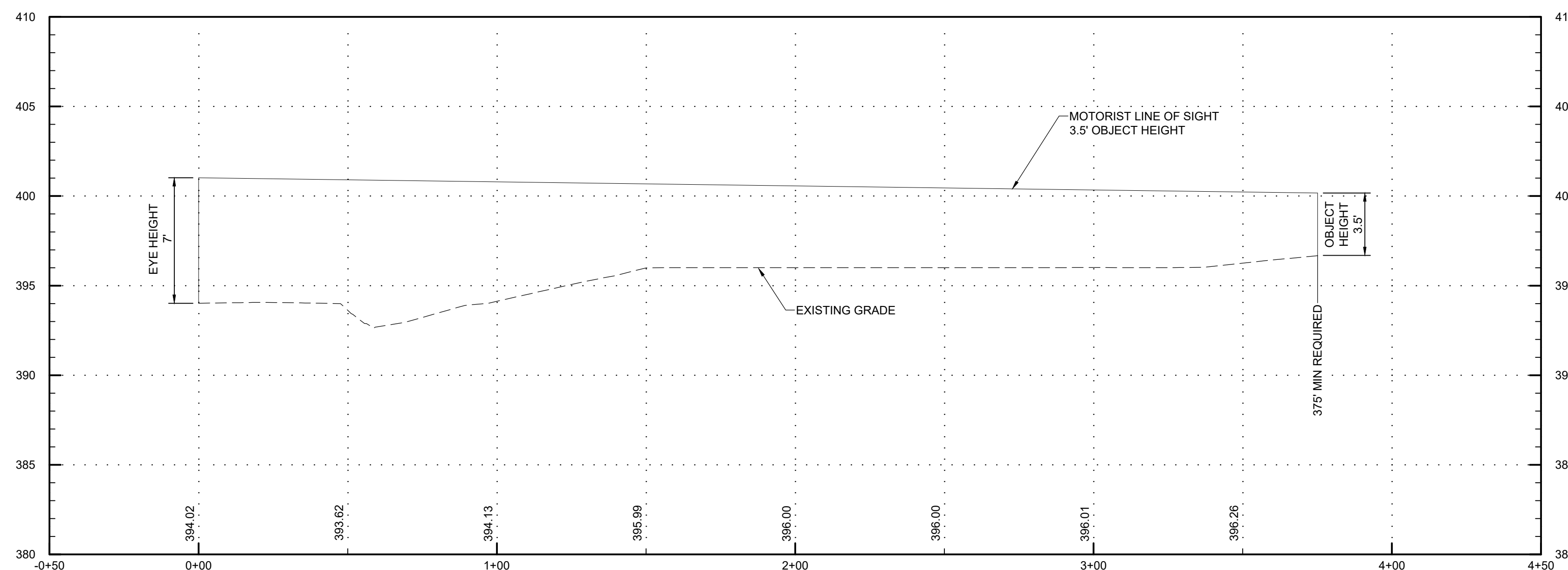
**INTERSECTION SIGHT DISTANCE:  
TRUCK LEFT TURN 420' REQUIRED (420' + ACTUAL)**

**LEFT TURN - TRUCK PROFILE**



**INTERSECTION SIGHT DISTANCE:  
TRUCK RIGHT TURN 375' REQUIRED (375' + ACTUAL)**

**RIGHT TURN - TRUCK PROFILE**



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MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO:	180.272.001
DATE:	MAY 2026
DRAWN BY:	S. JOHNSON
DESIGNED BY:	S. JOHNSON
CHECKED BY:	K. WESSEL, P.E.

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**ROAD PROFILE**

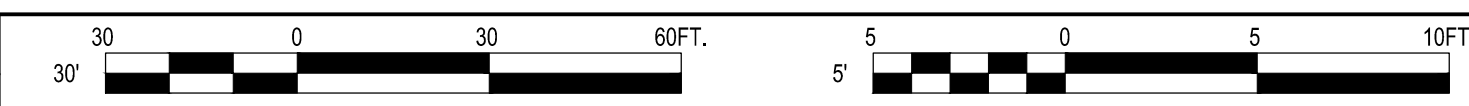
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**A1 PROFILES**  
SCALE: H: 1" = 30', V: 1" = 5'



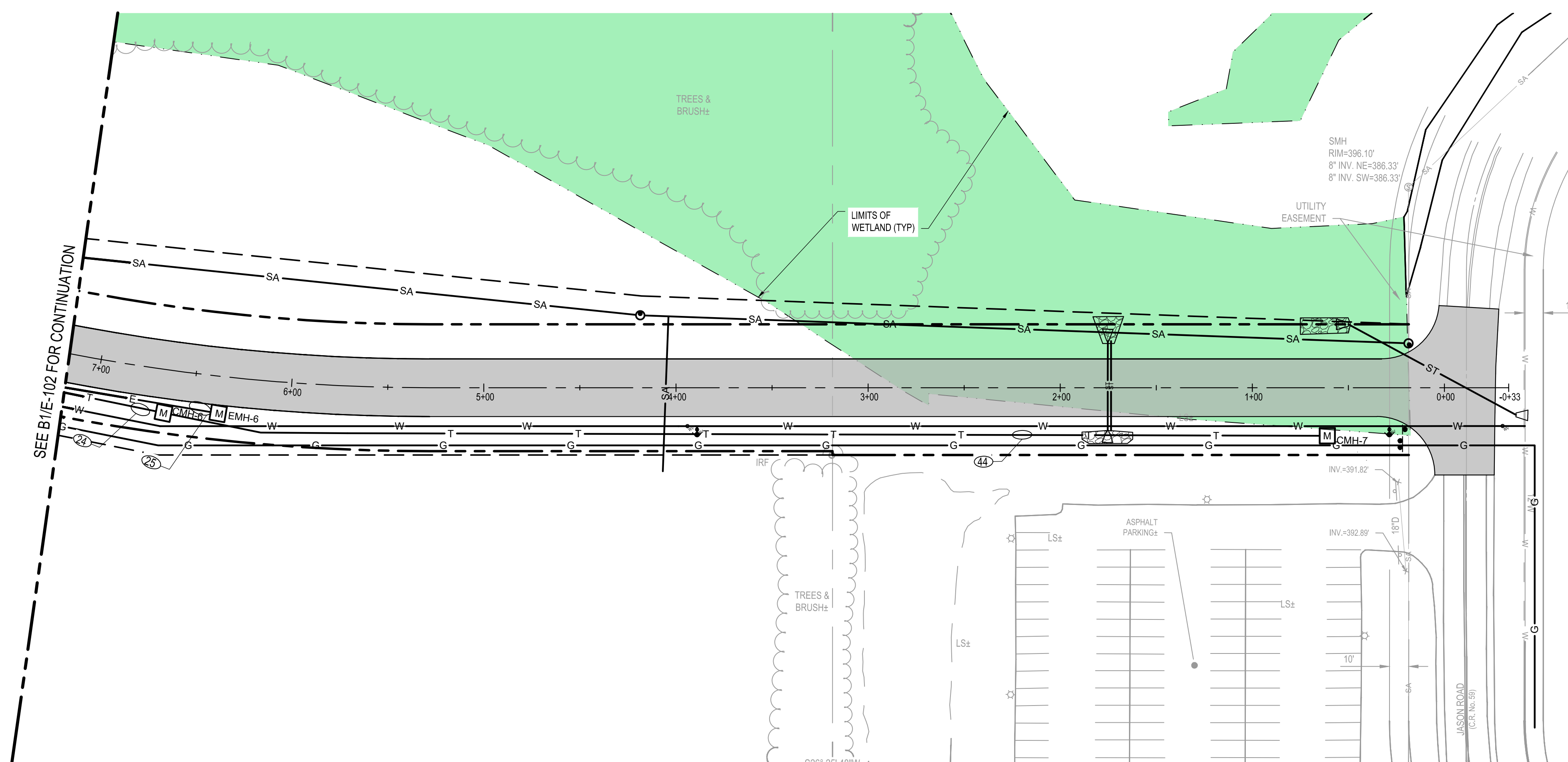


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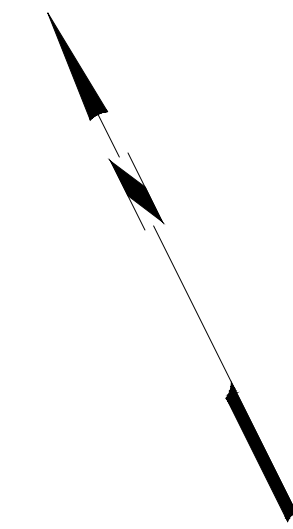
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SEE B1/E-102 FOR CONTINUATION



**B1 ELECTRICAL PLAN**  
 SCALE: 1" = 40'

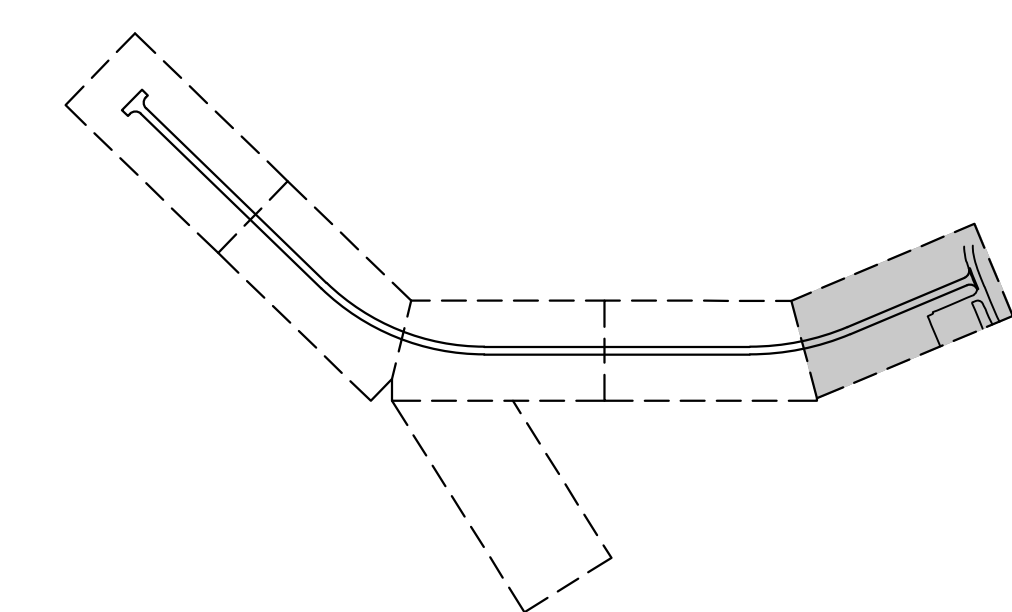


1. ALL ELECTRICAL WORK SHALL CONFORM TO ALL STATE, LOCAL, AND NATIONAL ELECTRICAL CODES.
2. ELECTRICAL CHARACTERISTICS SHALL BE VERIFIED WITH EQUIPMENT MANUFACTURER.
3. ITEMS OF SPECIFIC MANUFACTURERS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS AND/OR MANUFACTURER'S REPRESENTATIVE'S DIRECTIONS.
4. THE CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS AND DIMENSIONS SHOWN ON DRAWINGS.
5. ALL CONDUIT AND WIRING SCHEDULES SHALL BE VERIFIED BEFORE INSTALLATION.
6. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL EQUIPMENT WITH OTHER CONTRACTORS.
7. ALL AREAS DISTURBED BY WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN ORIGINAL AS DETERMINED BY THE ENGINEER.
8. THE CONTRACTOR SHALL PROVIDE RACEWAYS, WIRING, AND CONNECTIONS FOR ALL CONTROL CIRCUITS AND INTERLOCK.
9. ALL ELECTRICAL CONDUIT AND CONDUCTORS DISCONNECTED AND NOT TO BE REUSED SHALL BE REMOVED.
10. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS BEFORE STARTING WORK. IF ONLY A PORTION OF AN EXISTING CIRCUIT IS BEING REMOVED FOR DEMOLITION, CONTINUITY SHALL BE MAINTAINED TO THE REST OF THE REMAINING CIRCUIT.
11. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE #12AWG UNLESS OTHERWISE SHOWN.
12. ALL BRANCH CIRCUITS SHALL CONSIST OF 2 CONDUCTORS PLUS GROUND, UNLESS OTHERWISE SHOWN.

**A1 ELECTRICAL NOTES**  
 SCALE: NOT TO SCALE

- PROPOSED ASPHALT PAVEMENT
- PROPOSED RIGHT OF WAY
- PROPOSED SANITARY PIPE
- PROPOSED STORM PIPE
- PROPOSED GAS MAIN
- PROPOSED WATER MAIN
- PROPOSED ELECTRIC LINE
- PROPOSED TELECOM LINE
- PROPOSED FLARED END SECTION
- PROPOSED SANITARY MANHOLE
- PROPOSED WATER VALVE
- PROPOSED HYDRANT
- PROPOSED ELECTRICAL MANHOLE (EMH)
- PROPOSED TELECOM MANHOLE (CMH)
- DUCTBANK SECTION  
 - X: NUMBER OF CONDUITS  
 - Y: SIZE CONDUITS (INCHES)

**A3 LEGEND**  
 SCALE: NOT TO SCALE



**A4 KEY MAP**  
 SCALE: NOT TO SCALE

MARK	DATE	DESCRIPTION
REVISIONS		
		PROJECT NO: 180.272.001
		DATE: MAY 2026
		DRAWN BY: A. KLYMKOW
		DESIGNED BY: A. KLYMKOW
		CHECKED BY: J. ROBBINS, P.E.
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

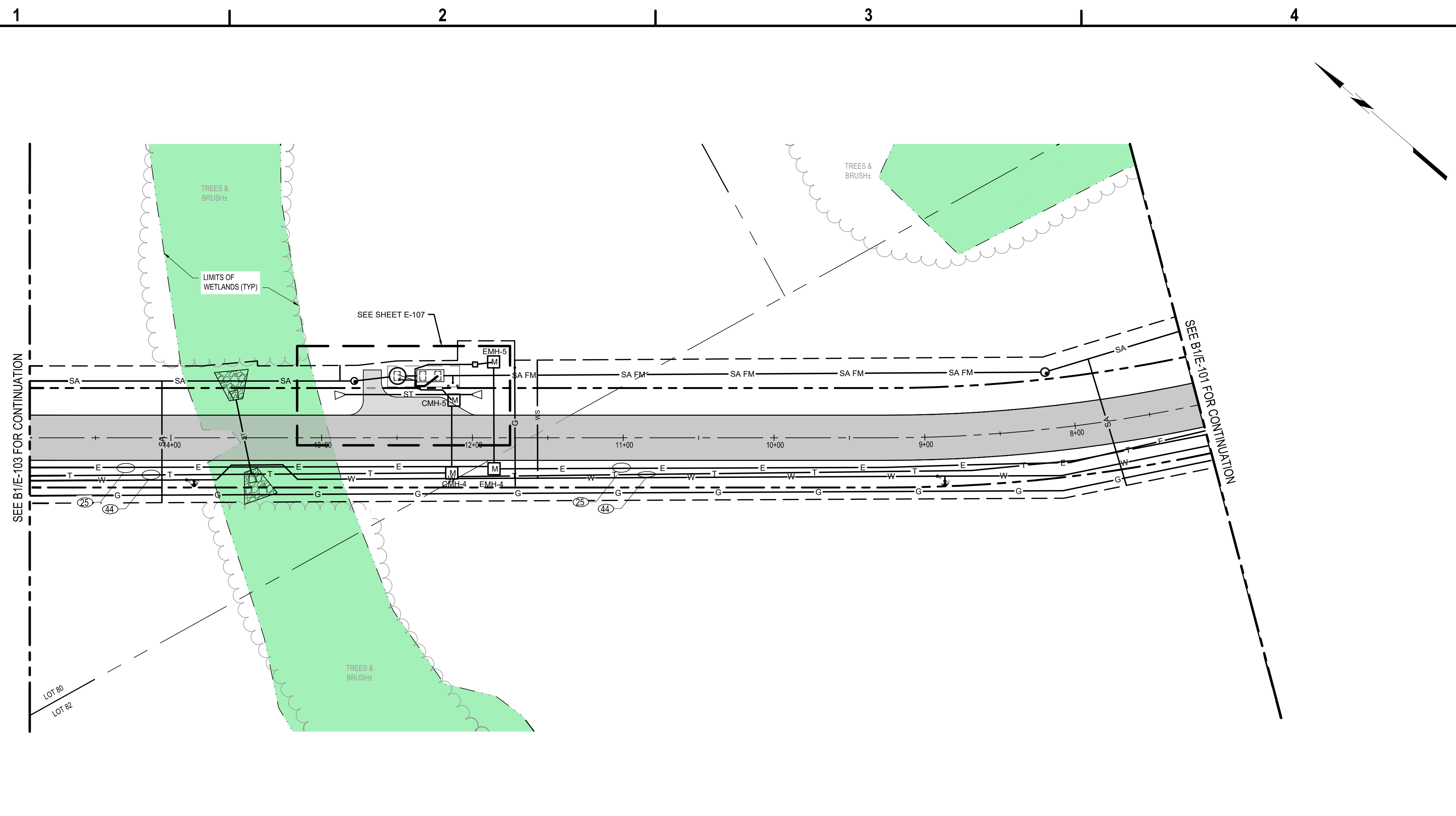
**ELECTRICAL PLAN**

**E-101**

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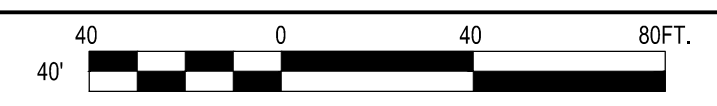
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**B1 ELECTRICAL PLAN**  
 SCALE: 1" = 40'

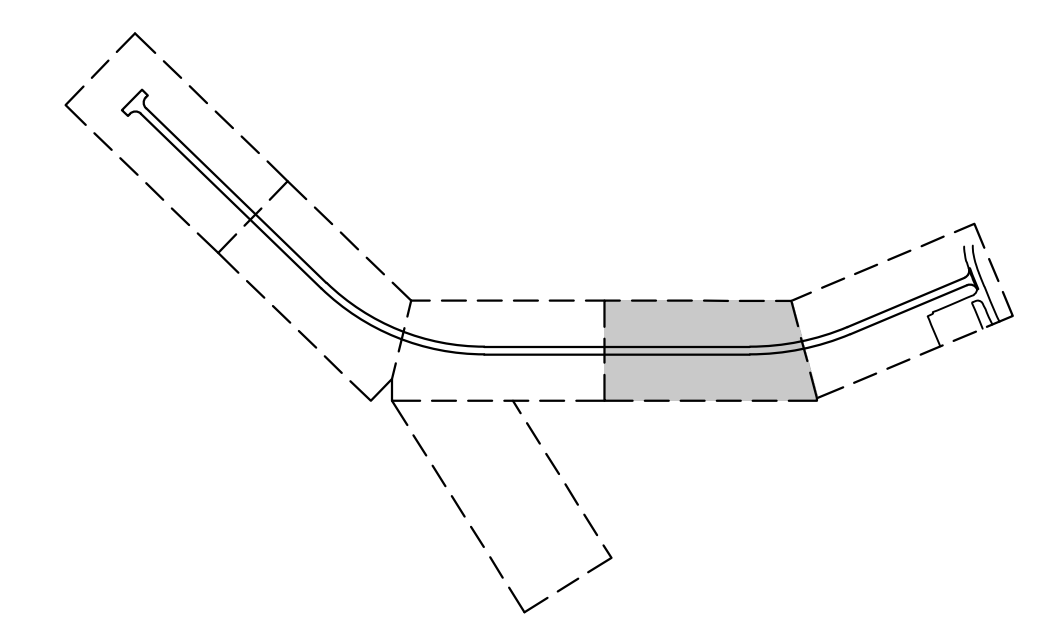


1. ALL ELECTRICAL WORK SHALL CONFORM TO ALL STATE, LOCAL, AND NATIONAL ELECTRICAL CODES.
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3. ITEMS OF SPECIFIC MANUFACTURERS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS AND/OR MANUFACTURER'S REPRESENTATIVE'S DIRECTIONS.
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5. ALL CONDUIT AND WIRING SCHEDULES SHALL BE VERIFIED BEFORE INSTALLATION.
6. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL EQUIPMENT WITH OTHER CONTRACTORS.
7. ALL AREAS DISTURBED BY WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN ORIGINAL AS DETERMINED BY THE ENGINEER.
8. THE CONTRACTOR SHALL PROVIDE RACEWAYS, WIRING, AND CONNECTIONS FOR ALL CONTROL CIRCUITS AND INTERLOCK.
9. ALL ELECTRICAL CONDUIT AND CONDUCTORS DISCONNECTED AND NOT TO BE REUSED SHALL BE REMOVED.
10. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS BEFORE STARTING WORK. IF ONLY A PORTION OF AN EXISTING CIRCUIT IS BEING REMOVED FOR DEMOLITION, CONTINUITY SHALL BE MAINTAINED TO THE REST OF THE REMAINING CIRCUIT.
11. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE #12AWG UNLESS OTHERWISE SHOWN.
12. ALL BRANCH CIRCUITS SHALL CONSIST OF 2 CONDUCTORS PLUS GROUND, UNLESS OTHERWISE SHOWN.

**A1 ELECTRICAL NOTES**  
 SCALE: NOT TO SCALE

- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| PROPOSED ASPHALT PAVEMENT         | PROPOSED FLARED END SECTION       |
| PROPOSED RIGHT OF WAY             | PROPOSED SANITARY MANHOLE         |
| PROPOSED SANITARY PIPE            | PROPOSED WATER VALVE              |
| PROPOSED STORM PIPE               | PROPOSED HYDRANT                  |
| PROPOSED GAS MAIN                 | PROPOSED ELECTRICAL MANHOLE (EMH) |
| PROPOSED WATER MAIN               | PROPOSED TELECOM MANHOLE (CMH)    |
| PROPOSED SLEEVE FOR WATER SERVICE | DUCTBANK SECTION                  |
| PROPOSED ELECTRIC LINE            | - X: NUMBER OF CONDUITS           |
| PROPOSED TELECOM LINE             | - Y: SIZE CONDUIT (INCHES)        |

**A3 LEGEND**  
 SCALE: NOT TO SCALE



**A4 KEY MAP**  
 SCALE: NOT TO SCALE

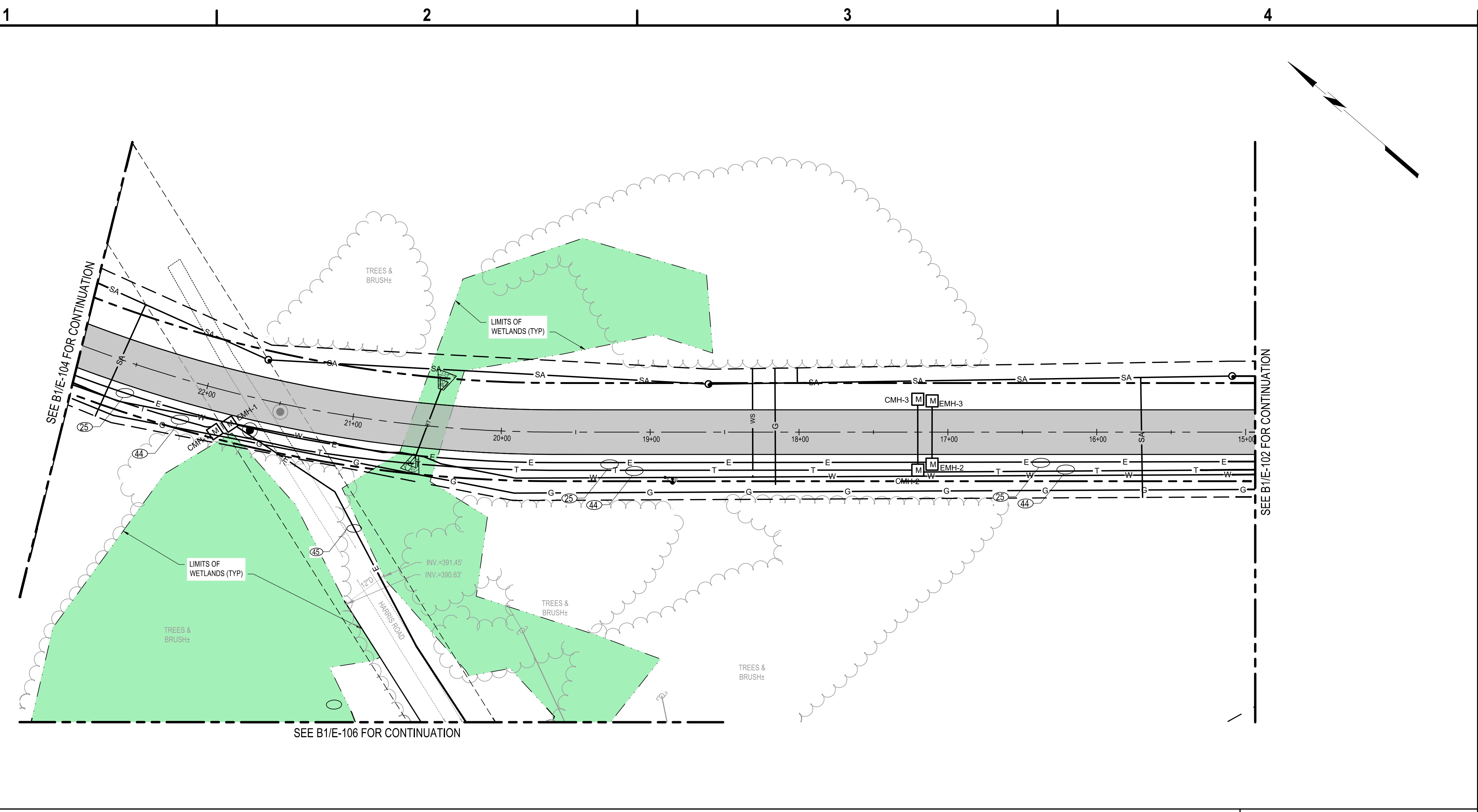
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REVISIONS		
		PROJECT NO: 180.272.001
		DATE: MAY 2026
		DRAWN BY: A. KLYMKOW
		DESIGNED BY: A. KLYMKOW
		CHECKED BY: J. ROBBINS, P.E.
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**ELECTRICAL PLAN**

**E-102**

SHEET NO. 67 OF 73

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 EXPANSION PROJECT  
 112 HARRIS DRIVE  
 PHOENIX, NY 13135**

**B1 ELECTRICAL PLAN**

SCALE: 1" = 40'



1. ALL ELECTRICAL WORK SHALL CONFORM TO ALL STATE, LOCAL, AND NATIONAL ELECTRICAL CODES.
2. ELECTRICAL CHARACTERISTICS SHALL BE VERIFIED WITH EQUIPMENT MANUFACTURER.
3. ITEMS OF SPECIFIC MANUFACTURERS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS AND/OR MANUFACTURER'S REPRESENTATIVE'S DIRECTIONS.
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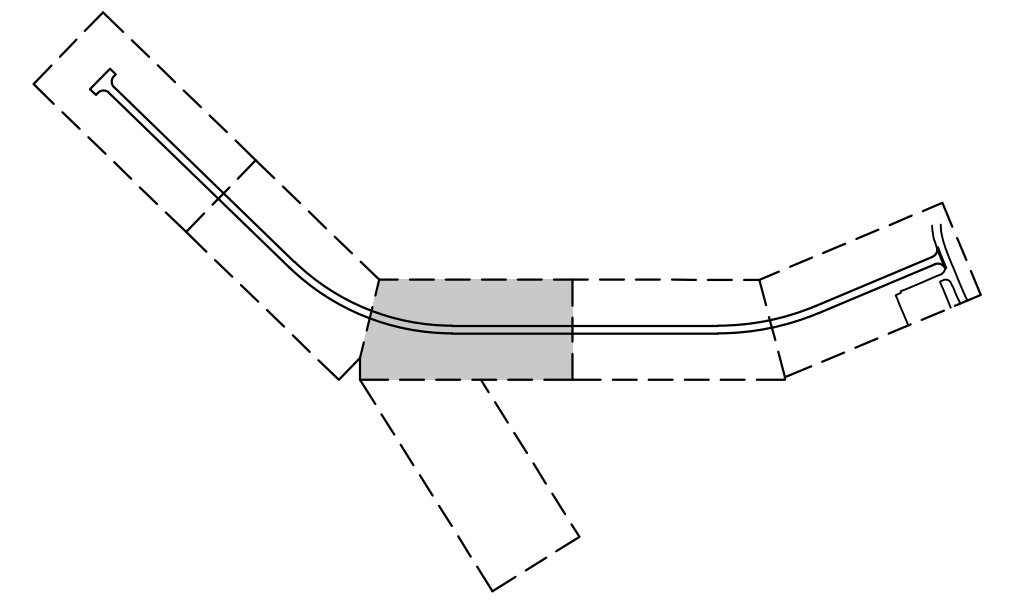
**A1 ELECTRICAL NOTES**

SCALE: NOT TO SCALE

- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| PROPOSED ASPHALT PAVEMENT         | PROPOSED FLARED END SECTION       |
| PROPOSED RIGHT OF WAY             | PROPOSED SANITARY MANHOLE         |
| PROPOSED SANITARY PIPE            | PROPOSED WATER VALVE              |
| PROPOSED STORM PIPE               | PROPOSED HYDRANT                  |
| PROPOSED GAS MAIN                 | PROPOSED ELECTRICAL MANHOLE (EMH) |
| PROPOSED WATER MAIN               | PROPOSED TELECOM MANHOLE (CMH)    |
| PROPOSED SLEEVE FOR WATER SERVICE | DUCTBANK SECTION                  |
| PROPOSED ELECTRIC LINE            | - X: NUMBER OF CONDUITS           |
| PROPOSED TELECOM LINE             | - Y: SIZE CONDUIT (INCHES)        |

**A3 LEGEND**

SCALE: NOT TO SCALE



**A4 KEY MAP**

SCALE: NOT TO SCALE

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: 180.272.001		
DATE: MAY 2026		
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DESIGNED BY: A. KLYMKOW		
CHECKED BY: J. ROBBINS, P.E.		
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**ELECTRICAL PLAN**

**E-103**

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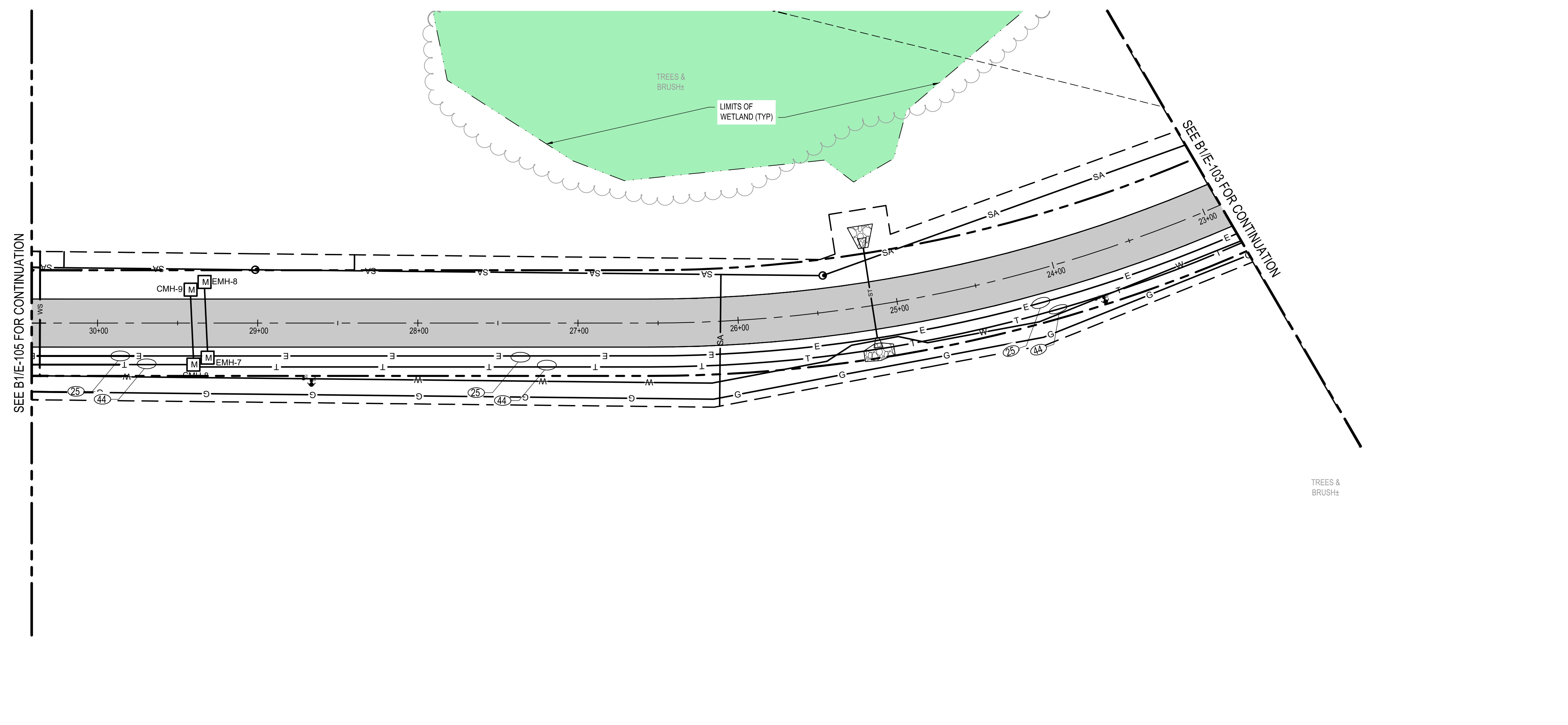
MARK	DATE	DESCRIPTION
REVISIONS		
	PROJECT NO:	180.272.001
	DATE:	MAY 2026
	DRAWN BY:	A. KLYMKOW
	DESIGNED BY:	A. KLYMKOW
	CHECKED BY:	J. ROBBINS, P.E.
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**ELECTRICAL PLAN**

**E-104**

SHEET NO. 69 OF 73

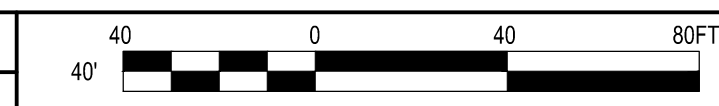
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SEE B1/E-105 FOR CONTINUATION

SEE B1/E-103 FOR CONTINUATION

**B1 ELECTRICAL PLAN**  
 SCALE: 1" = 40'

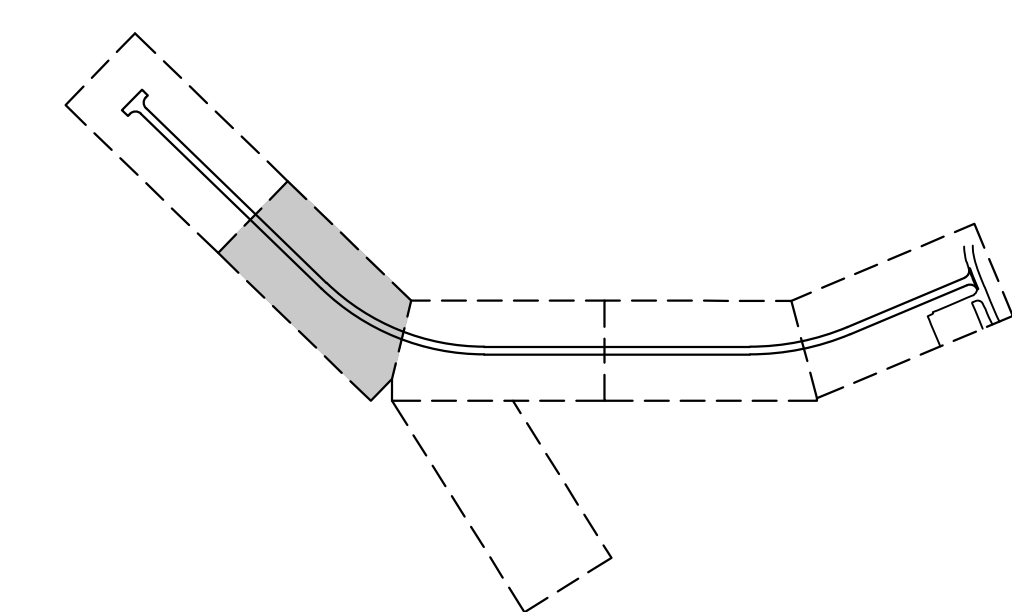


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**A1 ELECTRICAL NOTES**  
 SCALE: NOT TO SCALE

	PROPOSED ASPHALT PAVEMENT		PROPOSED FLARED END SECTION
	PROPOSED RIGHT OF WAY		PROPOSED SANITARY MANHOLE
	PROPOSED SANITARY PIPE		PROPOSED WATER VALVE
	PROPOSED STORM PIPE		PROPOSED HYDRANT
	PROPOSED GAS MAIN		PROPOSED ELECTRICAL MANHOLE (EMH)
	PROPOSED WATER MAIN		PROPOSED TELECOM MANHOLE (CMH)
	PROPOSED SLEEVE FOR WATER SERVICE		DUCTBANK SECTION - X: NUMBER OF CONDUITS - Y: SIZE CONDUIT (INCHES)
	PROPOSED ELECTRIC LINE		
	PROPOSED TELECOM LINE		

**A3 LEGEND**  
 SCALE: NOT TO SCALE



**A4 KEY MAP**  
 SCALE: NOT TO SCALE

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 PHOENIX, NY 13135**

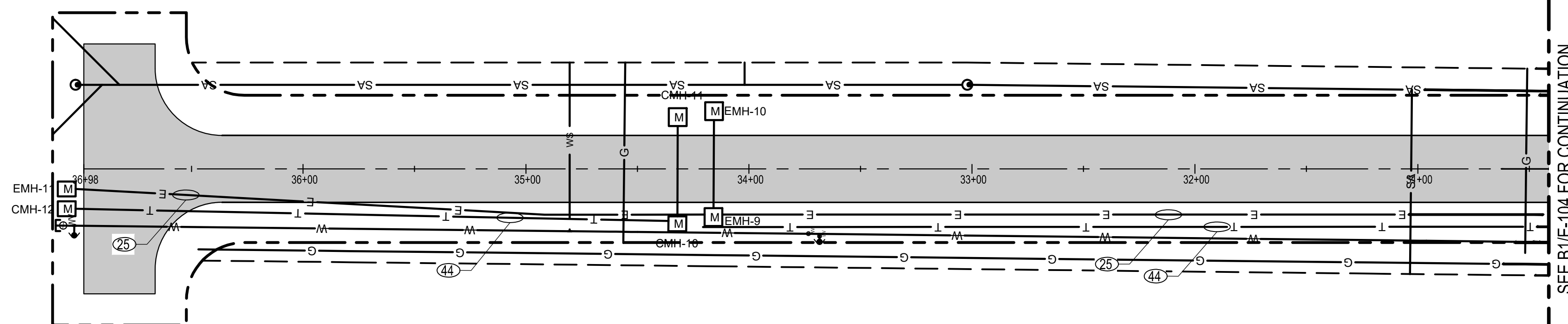
MARK	DATE	DESCRIPTION
REVISIONS		
		PROJECT NO: 180.272.001
		DATE: MAY 2026
		DRAWN BY: A. KLYMKOW
		DESIGNED BY: A. KLYMKOW
		CHECKED BY: J. ROBBINS, P.E.
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**ELECTRICAL PLAN**

**E-105**

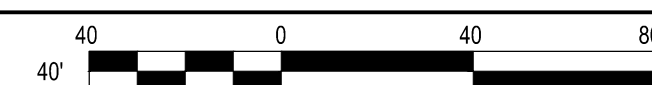
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COUNTY OF OSWEGO INDUSTRIAL DEVELOPMENT AGENCY, NIF  
 INST No. R-2021-008770  
 TAX MAP No. 289.00-02-04



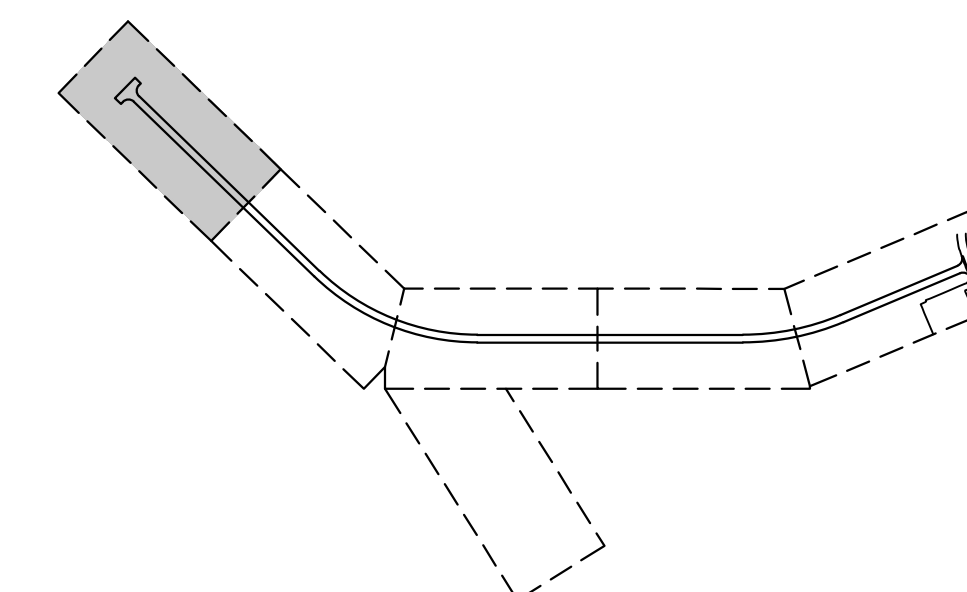
**B1 ELECTRICAL PLAN**  
 SCALE: 1" = 40'

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**A1 ELECTRICAL NOTES**  
 SCALE: NOT TO SCALE

- |                                   |                                   |
|-----------------------------------|-----------------------------------|
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| PROPOSED RIGHT OF WAY             | PROPOSED SANITARY MANHOLE         |
| PROPOSED SANITARY PIPE            | PROPOSED WATER VALVE              |
| PROPOSED STORM PIPE               | PROPOSED HYDRANT                  |
| PROPOSED GAS MAIN                 | PROPOSED ELECTRICAL MANHOLE (EMH) |
| PROPOSED WATER MAIN               | PROPOSED TELECOM MANHOLE (CMH)    |
| PROPOSED SLEEVE FOR WATER SERVICE | DUCTBANK SECTION                  |
| PROPOSED ELECTRIC LINE            | - X: NUMBER OF CONDUITS           |
| PROPOSED TELECOM LINE             | - Y: SIZE CONDUIT (INCHES)        |

**A3 LEGEND**  
 SCALE: NOT TO SCALE



**A4 KEY MAP**  
 SCALE: NOT TO SCALE

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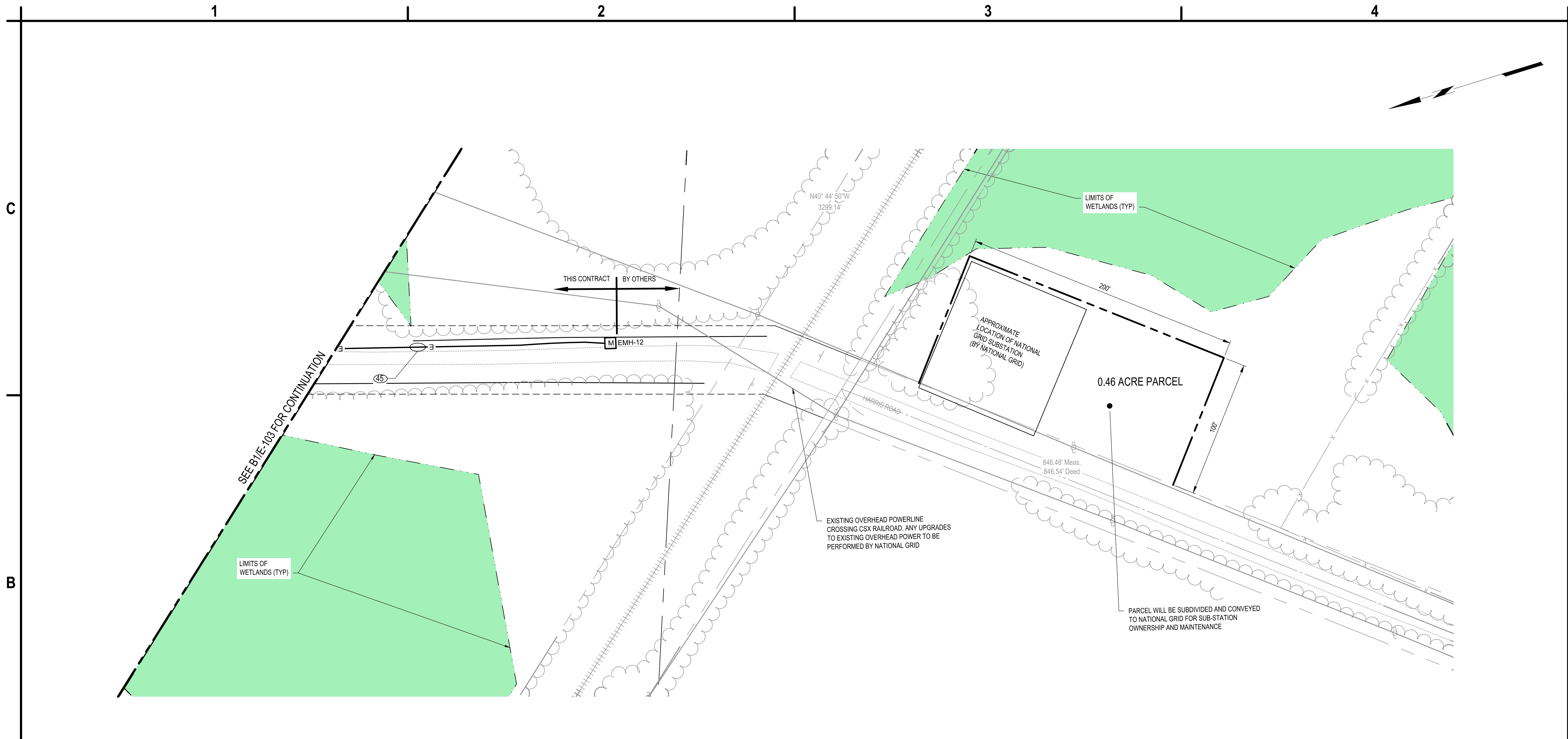
MARK	DATE	DESCRIPTION
REVISIONS		
	PROJECT NO:	180.272.001
	DATE:	MAY 2026
	DRAWN BY:	A. KLYMKOW
	DESIGNED BY:	A. KLYMKOW
	CHECKED BY:	J. ROBBINS, P.E.
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**ELECTRICAL PLAN**

**E-106**

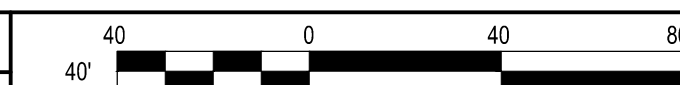
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**B1 ELECTRICAL PLAN**

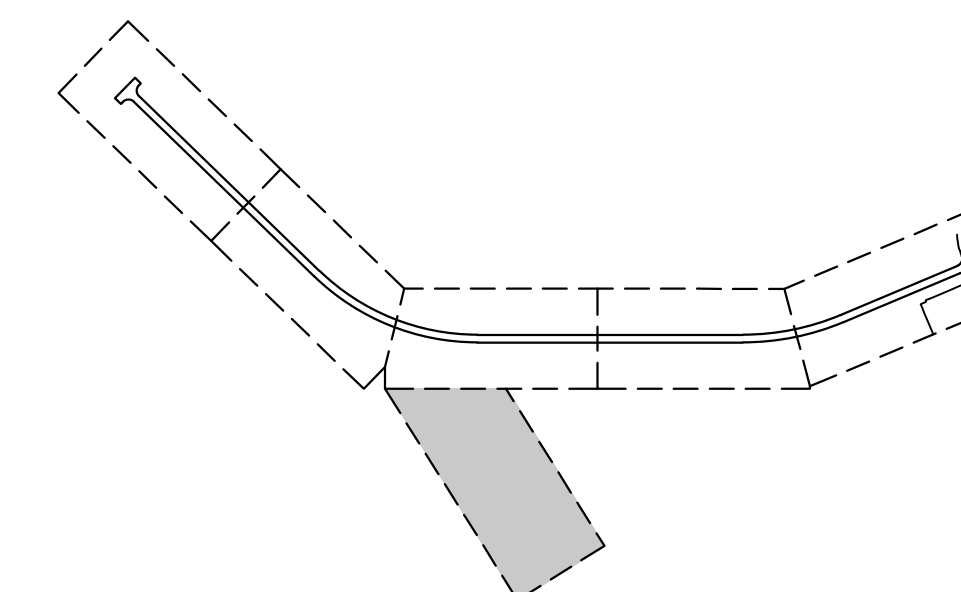
SCALE: 1" = 40'



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- ALL BRANCH CIRCUITS SHALL CONSIST OF 2 CONDUCTORS PLUS GROUND, UNLESS OTHERWISE SHOWN.

- PROPOSED SUBSTATION TO BE BUILT BY NATIONAL GRID.
- ALL CONNECTIONS TO OVERHEAD POWER SHALL BE MADE BY NATIONAL GRID.
- CONTRACTOR TO INSTALL ELECTRICAL MANHOLE AND DUCTBANK TO DEMARCATION LINE SHOWN ON THE PLANS.

- E PROPOSED ELECTRIC LINE
- T PROPOSED TELECOM LINE
- PROPOSED ELECTRICAL MANHOLE (EMH)
- DUCTBANK SECTION
  - X: NUMBER OF CONDUITS
  - Y: SIZE CONDUIT (INCHES)



**A1 ELECTRICAL NOTES**

SCALE: NOT TO SCALE

**A2 GENERAL COORDINATION NOTES**

SCALE: NOT TO SCALE

**A3 LEGEND**

SCALE: NOT TO SCALE

**A4 KEY MAP**

SCALE: NOT TO SCALE

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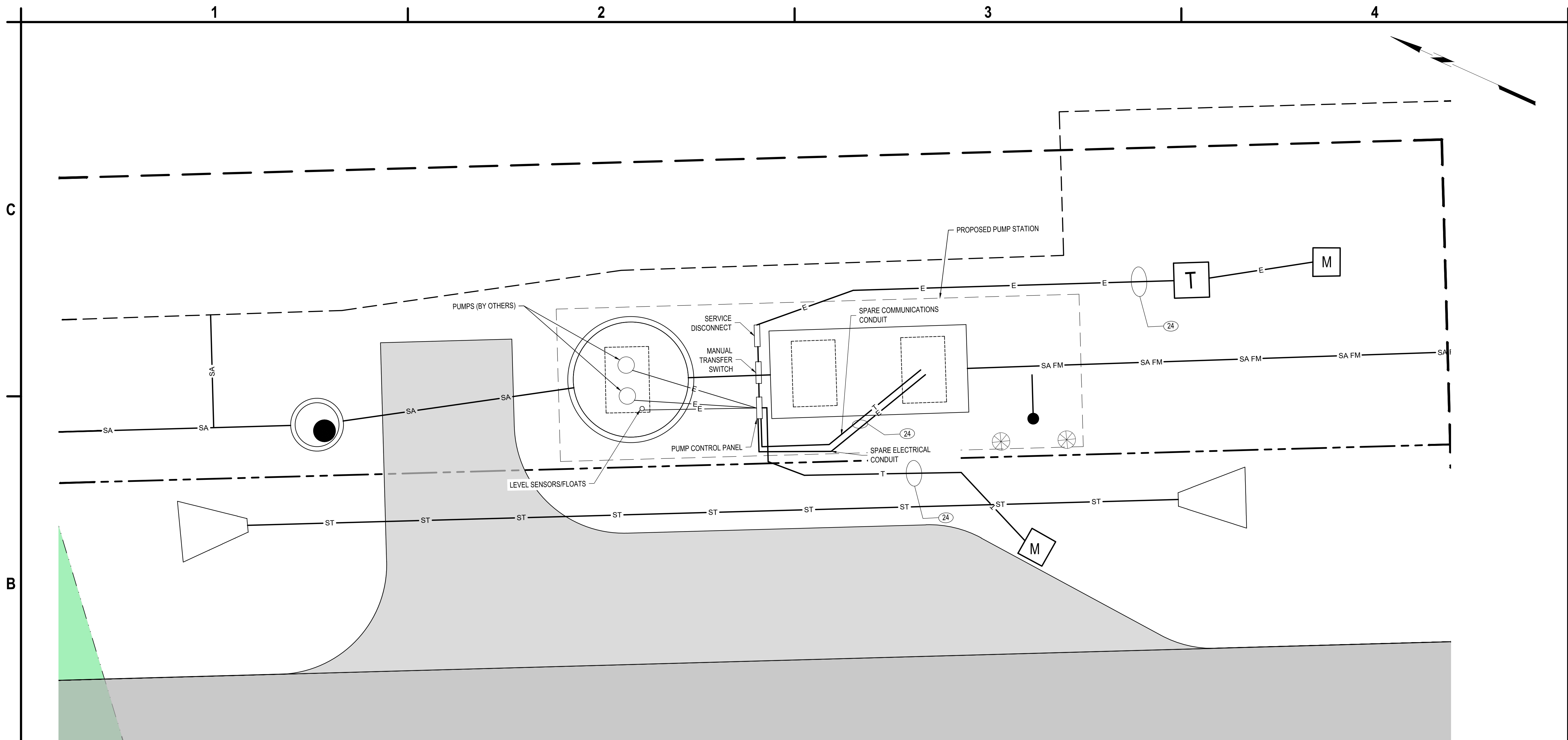
MARK	DATE	DESCRIPTION
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		PROJECT NO: 180.272.001
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**ENLARGED PUMP  
 STATION ELECTRICAL  
 PLAN**

**E-107**

SHEET NO. 72 OF 73

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**B1 ENLARGED PUMP STATION ELECTRICAL PLAN**

SCALE: 1"=5'

- ALL ELECTRICAL WORK SHALL CONFORM TO ALL STATE, LOCAL, AND NATIONAL ELECTRICAL CODES.
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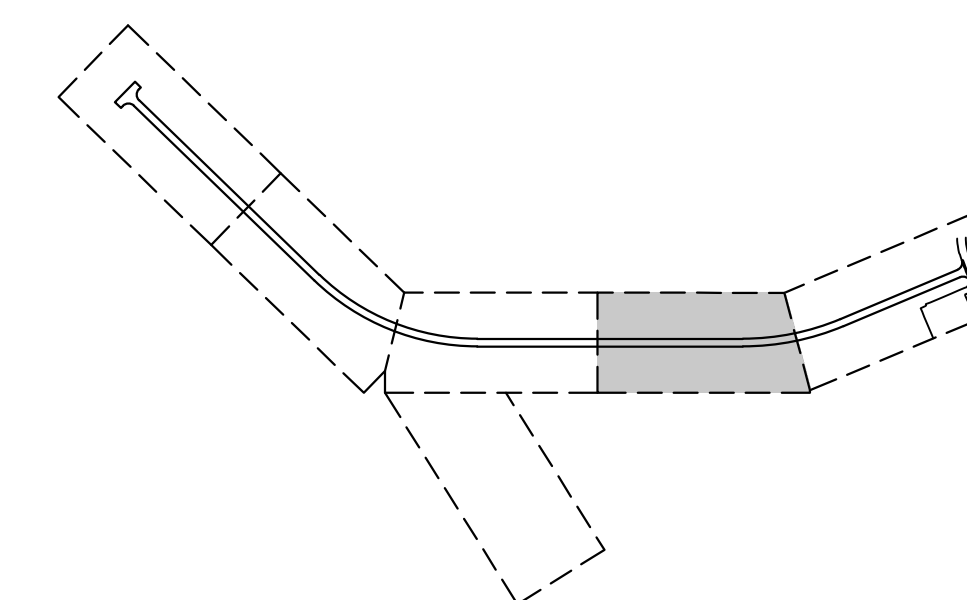
**A1 ELECTRICAL NOTES**

SCALE: NOT TO SCALE

- E PROPOSED ELECTRIC LINE
- T PROPOSED TELECOM LINE
- M PROPOSED ELECTRICAL MANHOLE (EMH)
- XY DUCTBANK SECTION  
 - X: NUMBER OF CONDUITS  
 - Y: SIZE CONDUIT (INCHES)

**A3 LEGEND**

SCALE: NOT TO SCALE



**A4 KEY MAP**

SCALE: NOT TO SCALE

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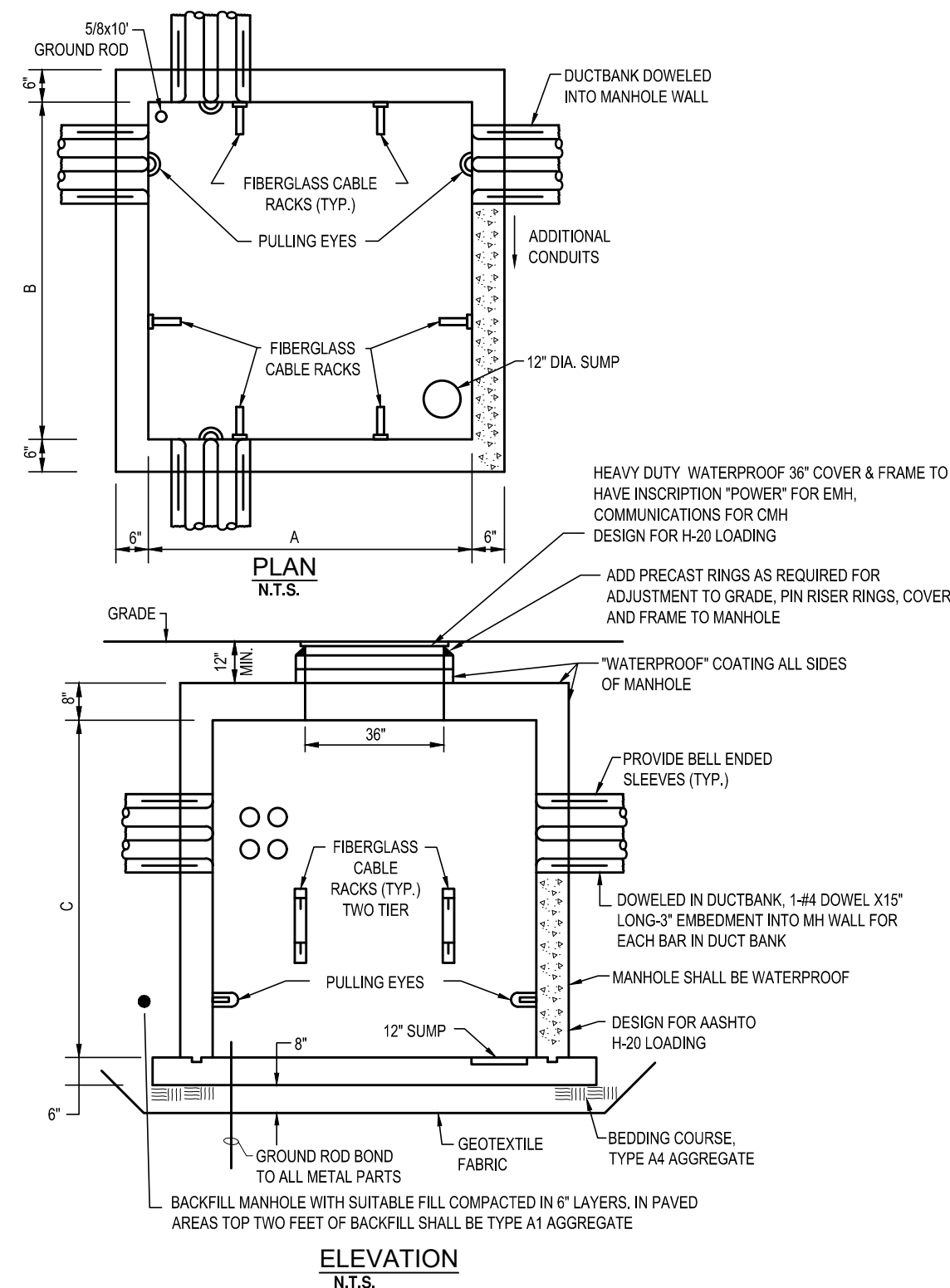
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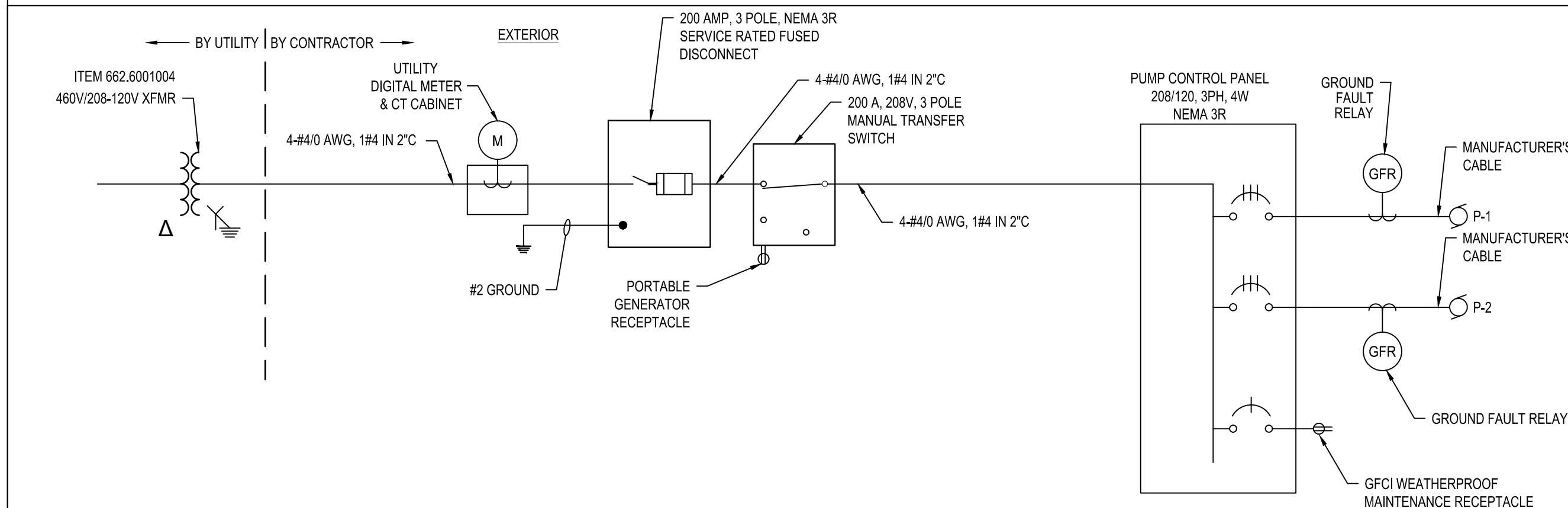
COUNTY OF OSWEGO INDUSTRIAL DEVELOPMENT AGENCY

**OSWEGO COUNTY - INDUSTRIAL  
PARK INFRASTRUCTURE  
EXPANSION PROJECT  
112 HARRIS DRIVE  
PHOENIX, NY 13135**

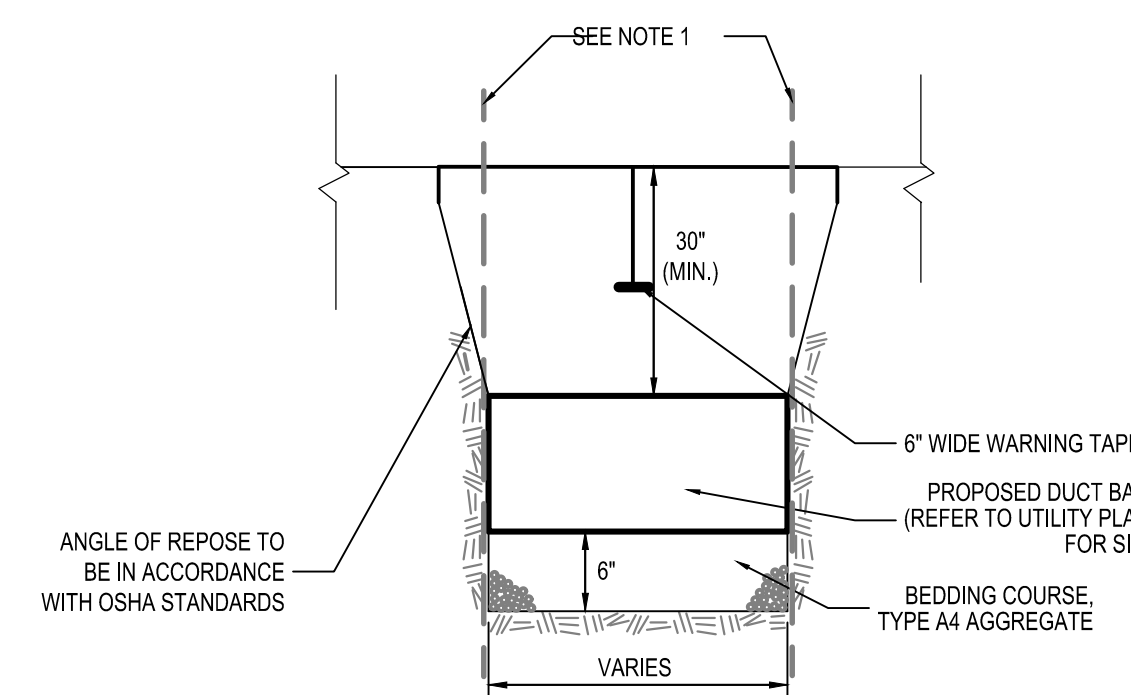


NOTE:  
1.) THICKNESS SHOWN ARE MINIMUM. PROVIDE CALCULATIONS.  
2.) WHERE INSTALLATION OF MANHOLE IN ROCK IS REQUIRED, ROCK SHALL BE REMOVED TO AT LEAST 12\"/>

MANHOLE DIMENSION SCHEDULE				
TYPE	A	B	C	ITEM NUMBER
EMH	8'	8'	7'	662.087201 OC
CMH	4'	4'	4'	662.084801 OC

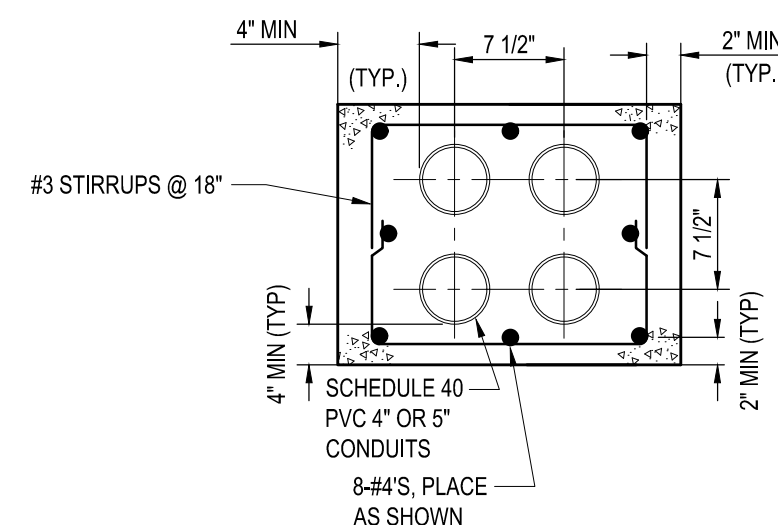
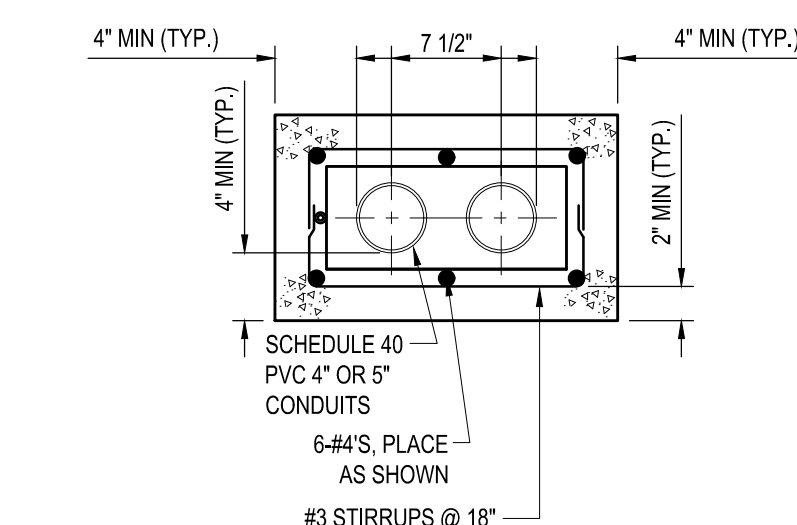


NOTES:  
1. COORDINATE WITH UTILITY FOR TRANSFORMER INSTALLATION  
2. UNLESS OTHERWISE NOTED, ALL ELECTRICAL WORK FOR PUMP STATION SHALL BE PAID UNDER ITEM NUMBER 664.8400001000.



NOTES:  
1.) CONTRACTOR TO PROVIDE SHEETING AND BRACING AS NEEDED. DEPTH OF SHEETING SHALL BE ADEQUATE IN ORDER TO STABILIZE THE TRENCH.  
2.) A MINIMUM OF 6\"/>

DUCT BANK SECTION TABLE		
DESIGNATOR	DESCRIPTION	ITEM NUMBER
24	2 WAY WITH 4\"/>	



**B1 ELECTRICAL MANHOLE DETAIL**  
SCALE: NOT TO SCALE

**B2 ELECTRICAL ONE-LINE**  
SCALE: NOT TO SCALE

**A1 DUCTBANK SECTION (24) (25)**  
SCALE: NOT TO SCALE

**A2 DUCTBANK SECTION (44) (45)**  
SCALE: NOT TO SCALE

**A3 DUCTBANK SECTION TABLE**  
SCALE: NOT TO SCALE

**A4 DUCTBANK INSTALLATION DETAIL**  
SCALE: NOT TO SCALE

MARK	DATE	DESCRIPTION
REVISIONS		
		PROJECT NO: 180.272.001
		DATE: MAY 2026
		DRAWN BY: A. KLYMKOW
		DESIGNED BY: A. KLYMKOW
		CHECKED BY: J. ROBBINS, P.E.
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**ELECTRICAL DETAILS**

E-501

SHEET NO. 73 OF 73

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