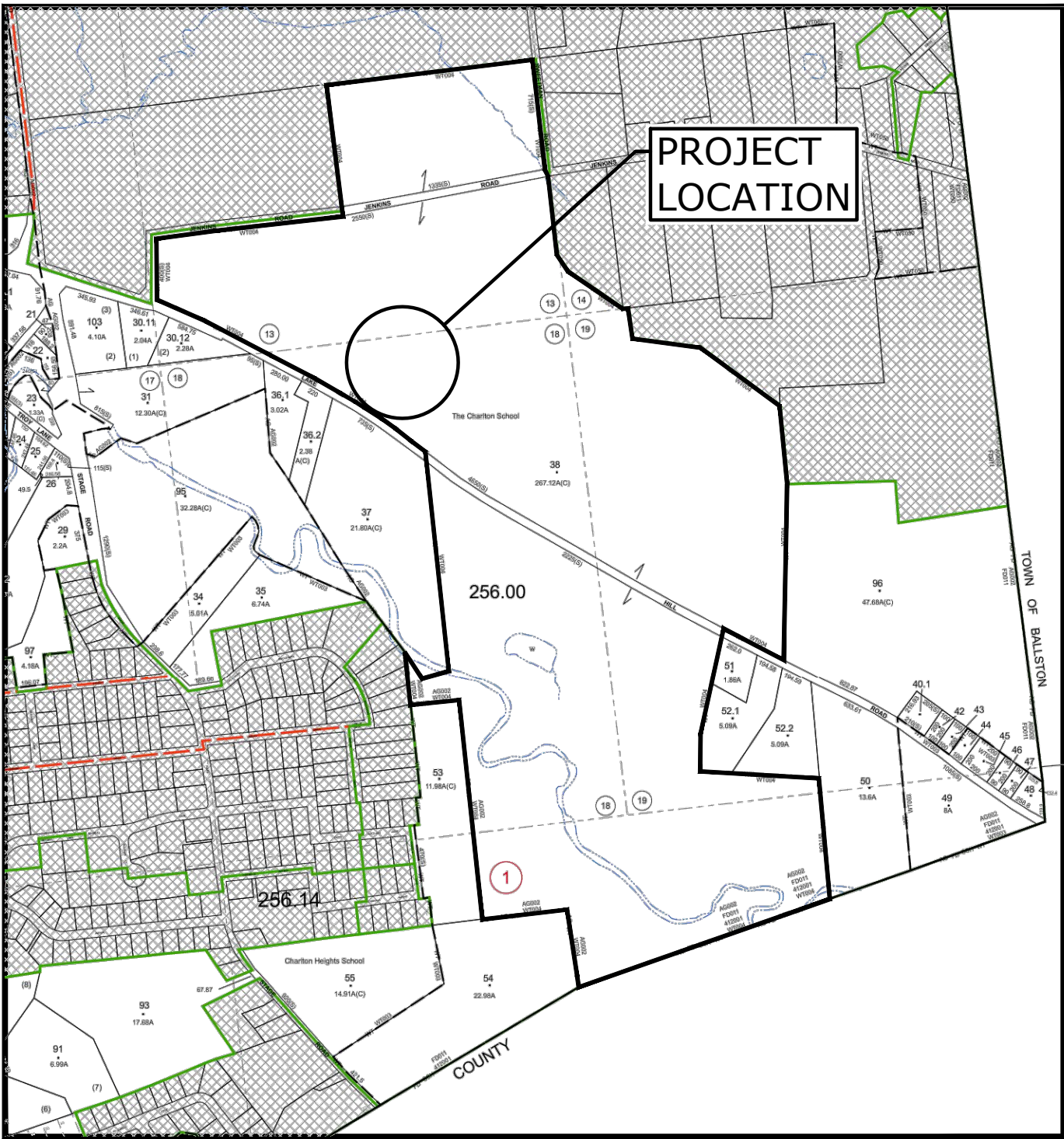


TOWN OF CHARLTON, NY THE CHARLTON SCHOOL PHASE 1A IMPROVEMENTS

FINAL PLAN SET ISSUED FOR PERMITTING OCTOBER 2023

LIST OF DRAWINGS		
SHEET NO.	DRAWING NO.	DRAWING TITLE
GENERAL		
1	C-001	COVER SHEET
2	C-002	GENERAL NOTES, LEGEND & ABBREVIATIONS
3	C-003	GEOTECHNICAL INVESTIGATIONS
CIVIL / LANDSCAPE ARCHITECT		
4	C-100	EXISTING CONDITIONS PLAN
5	C-200	DEMOLITION PLAN
6	L-100	PHASE 1A OVERALL LAYOUT & MATERIALS PLAN
7	L-101	LAYOUT & MATERIALS PLAN ENLARGEMENT QUADRANGLE
8	L-102	LAYOUT & MATERIALS PLAN ENLARGEMENT MAINTENANCE BUILDING
9	L-300	LIGHTING PLAN DIAGRAM (EXISTING CONDITIONS)
10	L-301	LIGHTING PLAN DIAGRAM (PROPOSED)
11	L-400	PHASE 1A OVERALL PLANTING PLAN
12	L-500	PHASE 1A LANDSCAPE DETAILS
13	SL-1A	SITE LIGHTING PHOTOMETRIC CALCULATION
14	E-103	ELECTRICAL SITE PHASE 1A LIGHTING PLAN
15	C-300	SITE GRADING & DRAINAGE PLAN
16	C-301	EROSION & SEDIMENT CONTROL PLAN
17	C-302	EMERGENCY VEHICLE TURNING MOVEMENT PLAN
18	C-400	UTILITY PLAN - 1
19	C-401	UTILITY PLAN - 2
20	C-501	SITE DETAILS - 1
21	C-502	SITE DETAILS - 2
22	C-503	SITE DETAILS - 3
23	C-504	SITE DETAILS - 4
24	C-505	SITE DETAILS - 5
ARCHITECT		
25	A201	STUDENT DORMITORY - EXTERIOR ELEVATIONS
26	A202	STUDENT DORMITORY - EXTERIOR ELEVATIONS
27	A203	MAINTENANCE BUILDING - EXTERIOR ELEVATIONS
28	A204	MAINTENANCE BUILDING - EXTERIOR ELEVATIONS



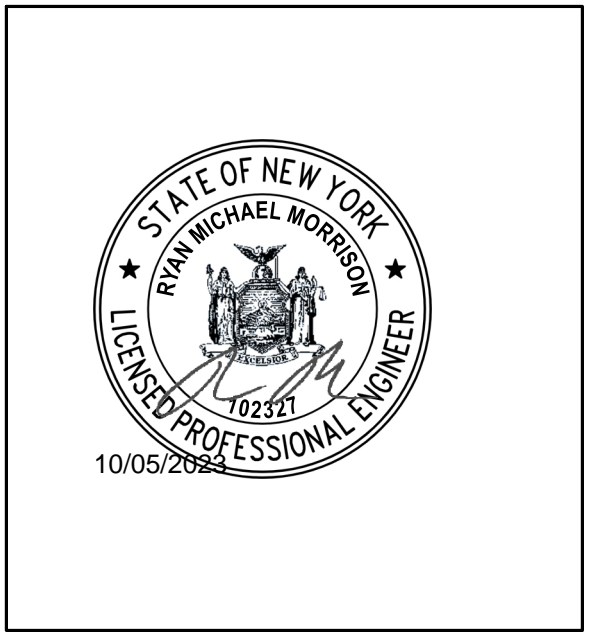
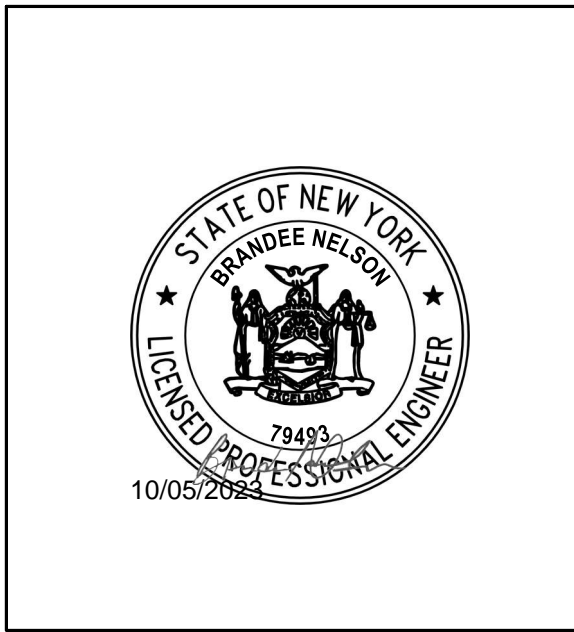
LOCATION MAP

SCALE: 1" = 2000'

SOURCE: TAX MAP 256.00
TOWN OF CHARLTON
SARATOGA COUNTY, NEW YORK

PREPARED BY:

Tighe&Bond



PREPARED FOR:

THE CHARLTON SCHOOL
PO BOX 47
322 LAKE HILL ROAD
BURNT HILLS, NY 12027

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**ISSUED FOR PERMITTING
COMPLETE SET 28 SHEETS**

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Tighe & Bond\J:\C\5112 The Charlton School\Drawings - Figures\AutoCAD\Sheet\CS112-001-C-100_C-100_Plan Set.dwg

LEGEND

DESCRIPTION	EXISTING	PROPOSED
PROPERTY LINE	----	
EASEMENT LINE	----	
SAWCUT		-----
INTERMEDIATE CONTOURS	----- 25 -----	
INDEX CONTOURS	-----	
STORM DRAIN	-----SD-----SD	-----SD-----
GRAVITY SANITARY SEWER	-----SS-----SS	-----SS-----SS
WATER SERVICE	-----W-----W	-----W-----W
UNDERGROUND ELECTRIC	-----E-----E	-----E-----E
OVERHEAD ELECTRIC	-----OE-----OE	
TELEPHONE SERVICE	-----T-----T	-----T-----T
COMMUNICATIONS SERVICE	-----T-C-----T-C	
GAS SERVICE	-----G-----G	-----G-----G
OVERHEAD UTILITY (UNSPECIFIED)	-----OHW-----OHW	
CURB		=====
EDGE OF PAVEMENT	-----	
SIDEWALK	-----	
FENCE - WOOD POST	-----	-----
STORM DRAIN STRUCTURES	MANHOLE ① CATCH BASIN ②	
SANITARY SEWER MANHOLE		HYDRANT ③
WATER SERVICE STRUCTURES	HYDRANT ④	
ELECTRIC SERVICE STRUCTURES	UTILITY CO. POLE # MANHOLE ① LIGHT ②	
TELECOMMUNICATIONS MANHOLE	①	
TREELINE	~~~~~	~~~~~
TREE	EVERGREEN DECIDUOUS	EVERGREEN DECIDUOUS

LEGEND

DEMOLITION / GEOTECHNICAL	
UTILITY TO BE ABANDONED UTILITY OR SITE ITEM TO BE DEMOLISHED	##### -XXXXXXXXXXXXXXXXXXXXX-
ASPHALT PAVEMENT DEMOLITION	
BUILDING DEMOLITION	
TREE CLEARING	

ABBREVIATIONS

ABDN('D)	ABANDON(ED)	NITC	NOT IN THIS CONTRACT
BIT	BITUMINOUS	NTS	NOT TO SCALE
BLDG	BUILDING	N/A	NOT APPLICABLE
CB	CATCH BASIN	N/F	NOW OR FORMERLY
CO	CLEAN OUT	OC	ON CENTER
CONC	CONCRETE	OCS	OUTLET CONTROL
DI	DUCTILE IRON PIPE	OH	STRUCTURE
DIA	DIAMETER	PERF	OVERHEAD
DMH	DRAIN MANHOLE	PVC	PERFORATED
E	EAST	PVMT	POLYVINYLCHLORIDE
EL/ELEV	ELEVATION	R	PAVEMENT
ELEC	ELECTRIC	R&D	RADIUS
EMH	ELECTRIC MANHOLE	R&R	REMOVE & DISPOSE
EOP	EDGE OF PAVEMENT	RD	REMOVE & REPLACE
EXIST	EXISTING	REV	ROOF DRAIN
FES	FLARED END SECTION	ROW	REVISION
FF	FINISH FLOOR	SAN	RIGHT OF WAY
G	GAS	SCH	SANITARY
HDPE	HIGH DENSITY POLYETHYLENE	SF	SCHEDULE
HMA	HOT MIX ASPHALT	SMH	SQUARE FOOT
HYD	HYDRANT	STA	SEWER MANHOLE
IN	INCHES	STRM	STATION
INV	INVERT	TEL	STORM
LP	LIGHT POLE	TP	TEL-DATA
MAX	MAXIMUM	TYP	TEST PIT
MH	MANHOLE	UP	TYPICAL
MIN	MINIMUM	W	UTILITY POLE
MISC	MISCELLANEOUS	WG	WATER
MON	MONUMENT	WV	WATER GATE
N	NORTH		WATER VALVE

BASE MAP NOTES

- THE EXISTING CONDITIONS INFORMATION SHOWN ON THE DRAWINGS IS BASED ON THE FOLLOWING:
 - DRAWINGS TITLED "MAP OF A TOPOGRAPHICAL SURVEY MADE FOR THE CHARLTON SCHOOL", PREPARED BY VAN DUSEN & STEVES LAND SURVEYORS, AND DATED FEBRUARY 17, 2020.
 - DRAWINGS TITLED "TOPOGRAPHIC SURVEY OF A PORTION OF CHARLTON SCHOOL", PREPARED BY AUSFELD & WALDRUFF LAND SURVEYORS LLP, AND DATED APRIL 25, 2008.
 - FIELD OBSERVATIONS OF SEPTIC ABSORPTION AREAS PERFORMED BY TIGHE & BOND AND ODORLESS SANITARY CLEANERS ON AUGUST 4, 2020.
 - FIELD SURVEY WORK COMPLETED BY VAN DUSEN & STEVES LAND SURVEYORS IN JULY 2023.
- HORIZONTAL DATUM: NAD83
- VERTICAL DATUM: NAVD88

GENERAL NOTES

- NOTIFY UDIG NY AT 1-800-962-7962 AND OTHER UTILITY OWNERS IN THE AREA NOT ON THE UDIG NY LIST AT LEAST 72 HOURS PRIOR TO ANY DIGGING, TRENCHING, ROCK REMOVAL, DEMOLITION, BORING, BACKFILLING, GRADING, LANDSCAPING, OR ANY OTHER EARTH MOVING OPERATIONS.
- LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. IN ADDITION, SOME UTILITIES MAY NOT BE SHOWN. DETERMINE THE EXACT LOCATION OF UTILITIES BY TEST PIT OR OTHER METHODS, AS NECESSARY TO PREVENT DAMAGE TO UTILITIES AND/OR INTERRUPTIONS IN UTILITY SERVICE. PERFORM TEST PIT EXCAVATIONS AND OTHER INVESTIGATIONS TO LOCATE UTILITIES, AND PROVIDE THIS INFORMATION TO THE ENGINEER, PRIOR TO CONSTRUCTING THE PROPOSED IMPROVEMENTS. LOCATE ALL EXISTING UTILITIES TO BE CROSSED BY HAND EXCAVATION.
- NOT ALL OF THE UTILITY SERVICES TO BUILDINGS ARE SHOWN. THE CONTRACTOR SHALL ANTICIPATE THAT EACH PROPERTY HAS SERVICE CONNECTIONS FOR THE VARIOUS UTILITIES.
- BOLD TEXT AND LINES INDICATE PROPOSED WORK. LIGHT TEXT AND LINES INDICATE APPROXIMATE EXISTING CONDITIONS.
- TIGHE & BOND ASSUMES NO RESPONSIBILITY FOR ANY ISSUES, LEGAL OR OTHERWISE, RESULTING FROM CHANGES MADE TO THESE DRAWINGS WITHOUT WRITTEN AUTHORIZATION FROM TIGHE & BOND.
- EXCAVATE ADDITIONAL TEST PITS TO LOCATE EXISTING UTILITIES AS DIRECTED OR APPROVED BY THE ENGINEER.
- NOTIFY THE ENGINEER OF ANY UTILITIES IDENTIFIED DURING CONSTRUCTION THAT ARE NOT SHOWN ON THE DRAWINGS OR THAT DIFFER IN SIZE OR MATERIAL.
- THE CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY; COORDINATION WITH THE OWNER, ALL SUBCONTRACTORS, AND WITH OTHER CONTRACTORS WORKING WITHIN THE LIMITS OF WORK, THE MEANS AND METHODS OF CONSTRUCTING THE PROPOSED WORK.
- OBTAIN, PAY FOR AND COMPLY WITH PERMITS, NOTICES AND FEES NECESSARY TO COMPLETE THE WORK. ARRANGE AND PAY FOR NECESSARY INSPECTIONS AND APPROVALS FROM THE JURISDICTIONAL AUTHORITIES.
- SHORE UTILITY TRENCHES WHERE FIELD CONDITIONS DICTATE AND/OR WHERE REQUIRED BY LOCAL, STATE AND FEDERAL HEALTH AND SAFETY CODES.
- FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF FIELD CONDITIONS ARE OBSERVED THAT VARY SIGNIFICANTLY FROM THOSE SHOWN ON THE DRAWINGS, IMMEDIATELY NOTIFY THE ENGINEER IN WRITING FOR RESOLUTION OF THE CONFLICTING INFORMATION.
- PROTECT AND MAINTAIN ALL UTILITIES IN THE AREAS UNDER CONSTRUCTION DURING THE WORK. LEAVE ALL PIPES AND STRUCTURES WITHIN THE LIMITS OF THE CONTRACT IN A CLEAN AND OPERABLE CONDITION AT THE COMPLETION OF THE WORK. TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SAND AND SILT FROM DISTURBED AREAS FROM ENTERING THE DRAINAGE SYSTEM.
- NOTIFY THE ENGINEER IN WRITING OF ANY CONFLICT, ERROR, AMBIGUITY, OR DISCREPANCY WITH THE PLANS OR BETWEEN THE PLANS AND ANY APPLICABLE LAW, REGULATION, CODE, STANDARD SPECIFICATION, OR MANUFACTURER'S INSTRUCTIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR SUPPORT OF EXISTING UTILITIES AND REPAIR OR REPLACEMENT COSTS OF UTILITIES DAMAGED DURING CONSTRUCTION, WHETHER ABOVE OR BELOW GRADE. REPLACE DAMAGED UTILITIES IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER AND AT NO COST TO THE PROPERTY OWNER.
- TAKE NECESSARY MEASURES AND PROVIDE CONTINUOUS BARRIERS OF SUFFICIENT TYPE, SIZE, AND STRENGTH TO PREVENT ACCESS TO ALL WORK AND STAGING AREAS AT THE COMPLETION OF EACH DAYS WORK.
- NO OPEN TRENCHES WILL BE ALLOWED OVER NIGHT. THE USE OF ROAD PLATES TO PROTECT THE EXCAVATION WILL BE CONSIDERED UPON REQUEST, BUT BACKFILLING IS PREFERRED.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY TRAFFIC CONTROL/SAFETY DEVICES TO ENSURE SAFE VEHICULAR AND PEDESTRIAN ACCESS THROUGH THE WORK AREA, OR FOR SAFELY IMPLEMENTING DETOURS AROUND THE WORK AREA. PERFORM TRAFFIC CONTROL IN ACCORDANCE WITH THE CONTRACTOR'S APPROVED TRAFFIC CONTROL PLAN.
- MAINTAIN EMERGENCY ACCESS TO ALL PROPERTIES WITHIN THE PROJECT AREA AT ALL TIMES DURING CONSTRUCTION.
- WHEN WORKING IN THE ROAD, PROVIDE THE OWNER AND LOCAL FIRE/POLICE/SCHOOL AUTHORITIES A DETAILED PLAN OF APPROACH INDICATING METHODS OF PROPOSED TRAFFIC ROUTING ON A DAILY BASIS. PROVIDE COORDINATION TO ENSURE COMMUNICATION AND COORDINATION BETWEEN THE OWNER, CONTRACTOR AND LOCAL FIRE/POLICE/SCHOOL AUTHORITIES THROUGHOUT THE CONSTRUCTION PERIOD.
- REMOVE AND DISPOSE OF ALL CONSTRUCTION-RELATED WASTE MATERIALS AND DEBRIS IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS.
- THE TERM "DEMOLISH" USED ON THE DRAWINGS MEANS TO REMOVE AND DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- THE TERM "ABANDON" USED ON THE DRAWINGS MEANS TO LEAVE IN PLACE AND TAKE APPROPRIATE MEASURES TO DECOMMISSION AS SPECIFIED OR NOTED ON THE DRAWINGS.
- ALL PROPOSED WORK MAY BE ADJUSTED IN THE FIELD BY THE OWNER'S PROJECT REPRESENTATIVE TO MEET EXISTING CONDITIONS.
- REFER TO LANDSCAPE ARCHITECTURE PLANS PREPARED BY WAGNER HODGSON LANDSCAPE ARCHITECTURE FOR LAYOUT PLAN AND DETAILS.
- REFER TO THE GEOTECHNICAL EVALUATION PREPARED BY TIGHE & BOND AND DATED AUGUST 1, 2023.
- PROPOSED WATER LINE SIZES TO THE WATER TROUGHS SHALL BE DESIGNED BY THE PLUMBING ENGINEER. THE SIZES SHOWN ON THE PLANS ARE FOR SCHEMATIC DESIGN ONLY.

SURFACE RESTORATION NOTES

- ALL PAVEMENT DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- PROVIDE SITE GRADING AT ACCESSIBLE SIDEWALK RAMPS, SIDEWALKS, AND BUILDING ENTRANCES THAT IS CONSISTENT WITH THE RELEVANT ACCESS REQUIREMENTS OF THE ARCHITECTURAL BARRIERS ACT (ABA), AND THE AMERICANS WITH DISABILITIES ACT (ADA). SMALL CHANGES IN GRADE OVER RELATIVELY SHORT DISTANCES (E.G. AT PARKING SPACES, ACCESSIBLE ROUTES, AND RAMPS) MIGHT NOT BE CLEARLY DEPICTED WITHIN THE CONTOUR INTERVAL SHOWN. COMPLY WITH THE CRITERIA IN THESE STANDARDS. SELECT MAXIMUM SLOPE CRITERIA ARE REPRODUCED BELOW:
 - ACCESSIBLE PARKING STALL AND PASSENGER LOADING ZONE (ANY DIRECTION) SLOPE < 2.0%
 - LONGITUDINAL SLOPE ALONG ACCESSIBLE ROUTES < 5.0%
 - CROSS SLOPE ALONG ACCESSIBLE ROUTES < 2.0%
- PROTECT PROJECT FEATURES (E.G., WALLS, FENCES, MAIL BOXES, SIGNS, SIDEWALKS, CURBING, STAIRS, WALKWAYS, TREES, ETC.) FROM DAMAGE DURING CONSTRUCTION, INCLUDING PROVIDING TEMPORARY SUPPORTS, WHEN APPROPRIATE.
- IF REMOVAL OF PROJECT FEATURES IS REQUIRED IN ORDER TO PERFORM THE PROPOSED WORK, REMOVE THOSE SITE FEATURES ONLY UPON APPROVAL OF ENGINEER. REPLACE ALL REMOVED PROJECT FEATURES; NEW ITEMS SHALL BE EQUAL OR BETTER IN QUALITY AND CONDITION TO THE ITEMS REMOVED.
- EXISTING SURVEY MONUMENTS DISTURBED BY THE CONTRACTOR SHALL BE REPLACED BY A LAND SURVEYOR LICENSED IN THE STATE IN WHICH THE WORK IS PERFORMED AT NO ADDITIONAL COST TO THE OWNER.
- COORDINATE THE ADJUSTMENT OF EXISTING UTILITY STRUCTURES WITH EACH RESPONSIBLE UTILITY OWNER PRIOR TO RECONSTRUCTION AND/OR PAVING OPERATIONS. RAISE ALL STRUCTURES TO FINISHED GRADES PRIOR TO THE END OF THE CONSTRUCTION SEASON AND PRIOR TO FINISHED PAVING.
- REPAIR DISTURBED PAVED SURFACES AT THE END OF EACH WORK WEEK, UNLESS OTHERWISE APPROVED/REQUIRED BY THE OWNER.
- PLACE TEMPORARY BITUMINOUS CONCRETE PAVEMENT AT DISTURBED PORTLAND CEMENT CONCRETE SIDEWALKS AND DRIVEWAYS AT THE END OF EACH WORK WEEK, UNLESS OTHERWISE APPROVED/REQUIRED BY THE OWNER.
- TRANSFER ALL TEMPORARY BENCHMARKS, AS NECESSARY.
- ACCOMMODATE PEDESTRIAN TRAFFIC WHERE A SIDEWALK IS TO BE CLOSED FOR SAFETY. "SIDEWALK CLOSED HERE" SIGNS SHALL BE USED AT THE NEAREST SAFE INTERSECTION. SEE TRAFFIC CONTROL DETAILS FOR SIGN INFORMATION.
- RESTORE ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND THE PAYLINE LIMITS TO ORIGINAL CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
- REGRADE ALL UNPAVED AREAS DISTURBED BY THE WORK AS REQUIRED. REPAIR/REPLACE PAVED SURFACES DISTURBED BY THE WORK IN-KIND, UNLESS OTHERWISE NOTED. RESTORE SURFACES TO EXISTING OR PROPOSED CONDITIONS AS INDICATED ON THE DRAWINGS.
- PROVIDE A SMOOTH, FLUSH TRANSITION BETWEEN ALL NEW AND EXISTING PAVEMENTS AND WALKING SURFACES.

EROSION CONTROL AND RESOURCE AREA PROTECTION NOTES

- PROVIDE ALL EROSION CONTROL MEASURES SHOWN, SPECIFIED, REQUIRED BY PERMIT, AND/OR REQUIRED BY THE ENGINEER PRIOR TO ANY CONSTRUCTION OR IMMEDIATELY UPON REQUEST. MAINTAIN SUCH CONTROL MEASURES UNTIL FINAL SURFACE TREATMENTS ARE IN PLACE AND/OR UNTIL PERMANENT VEGETATION IS ESTABLISHED. INSPECT AFTER EACH RAINSTORM AND DURING MAJOR STORM EVENTS TO CONFIRM THAT ALL SEDIMENTATION AND EROSION CONTROL MEASURES REQUIRED ARE IN PLACE AND EFFECTIVE.
- INSTALL SILT SACKS OR OTHER APPROVED SEDIMENTATION BARRIERS IN/AT ALL CATCH BASINS IN THE PROJECT AREA.
- COMPACT, STABILIZE, AND LOAM AND SEED SIDE SLOPES, SHOULDER AREAS AND DISTURBED VEGETATED AREAS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND AS REQUIRED BY PERMITS. GRADE SIDE SLOPES, SHOULDER AREAS AND DISTURBED VEGETATED AREAS TO A MAXIMUM SLOPE OF 3 HORIZONTAL TO 1 VERTICAL (3H:1V), WHERE POSSIBLE. PROVIDE BIODEGRADABLE EROSION CONTROL BLANKETS TO PREVENT EROSION WHERE SLOPES ARE STEEPER THAN 3H:1V.
- SETTLE OR FILTER ALL SILT-LADEN WATER FROM DEWATERING ACTIVITIES IN A SEDIMENTATION OR FILTER BAG TO REMOVE SEDIMENTS PRIOR TO RELEASE USING A SEDIMENTATION OR FILTER BAG LOCATED DOWN-GRADIENT OF THE DEWATERED AREA.
- REMOVE AND PROPERLY DISPOSE OF SILT TRAPPED AT BARRIERS IN UPLAND AREAS OUTSIDE BUFFER ZONES. REMOVE MATERIALS DEPOSITED IN ANY TEMPORARY SETTLING BASINS AT THE COMPLETION OF THE PROJECT. RESTORE ALL DISTURBED AREAS TO THEIR PRECONSTRUCTION CONDITION.
- SWEEP, COLLECT, REMOVE AND DISPOSE OF ANY SEDIMENT TRACKED ONTO PUBLIC RIGHT-OF-WAYS AT THE END OF EACH DAY.
- LOAM AND SEED ALL DISTURBED VEGETATED AREAS TO ESTABLISH COVER AND STABILIZATION AS SOON AS POSSIBLE FOLLOWING DISTURBANCE.
- MAINTAIN AN ADDITIONAL SUPPLY OF EROSION CONTROL MEASURES ON-SITE FOR EMERGENCY REPAIRS.
- STORE FUEL, OIL, PAINT, OR OTHER HAZARDOUS MATERIALS IN A SECONDARY CONTAINER AND REMOVE TO A SECURE LOCKED AND COVERED AREA DURING NON-WORK HOURS.
- PROVIDE A SUPPLY OF ABSORBENT SPILL RESPONSE MATERIALS SUCH AS BOOMS, BLANKETS, AND OIL ABSORBENT MATERIALS AT THE CONSTRUCTION SITE AT ALL TIMES TO CLEAN UP POTENTIAL SPILLS OF HAZARDOUS MATERIALS. IMMEDIATELY REPORT SPILLS OF HAZARDOUS MATERIALS TO THE STATE ENVIRONMENTAL AGENCY AND THE MUNICIPALITY WHERE THE WORK IS OCCURRING.

ZONING SCHEDULE SUMMARY		
TAX PARCEL NUMBER: 256.1-38		
TOTAL SITE AREA: 267.1 AC		
CURRENT ZONING: R/A RESIDENTIAL/AGRICULTURE		
ZONING REQUIREMENTS	REQUIRED	PROVIDED
MINIMUM LOT AREA	2 AC	267.1 AC
MINIMUM LOT WIDTH	200'	393.4'
MINIMUM LOT FRONTAGE	200'	4650.0'
MAX. HEIGHT OF DWELLING	40'	< 40'
MINIMUM SETBACK DIMENSIONS:		
FRONT YARD SETBACK	60'	80.4'
TOTAL TWO SIDE YARDS SETBACK	100'	3343.0'
SIDE YARD SETBACK	40'	1264.3'
REAR YARD SETBACK	50'	1470.0'
NOTE: THE TAX PARCEL BOUNDARY WAS USED IN THE CALCULATION OF SOME OF THE ZONING INFORMATION		

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Seal
USE OF ARCHITECTS DOCUMENTS
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BALZER
TUCK
from your perspective
ARCHITECTURE

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Tighe&Bond

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BY TAB ENGINEERING AND
LANDSCAPE ARCHITECTURE, P.C.
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PHASE 1A
IMPROVEMENTS

322 LAKE HILL RD,
BURNT HILLS, NY 12027

No. | Description | Date
1 | PEER REVIEW | 10/06/23

PROGRESS:
SCHEMATIC DESIGN DESIGN DEVELOPMENT CONSTRUCTION DOCUMENTS

Project Number 2234

Drawn by CJR/RQL

Checked by BKN

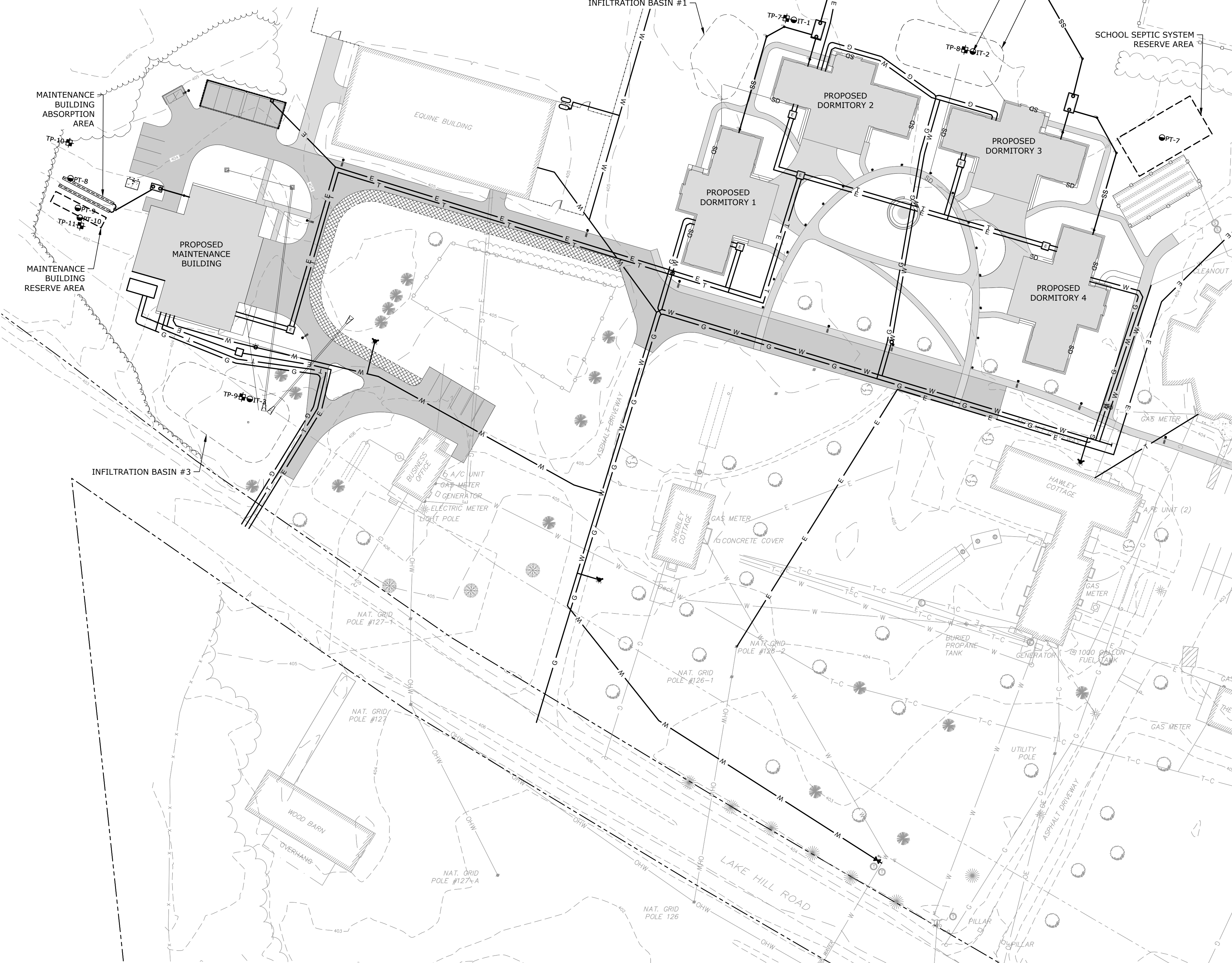
Date 09/01/23

GENERAL NOTES,
LEGEND &
ABBREVIATIONS

C-002

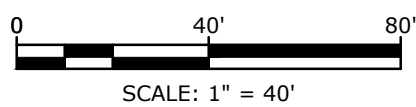
GEOTECHNICAL	
PERCOLATION TEST	● PT-#
INFILTRATION TEST	● IT-#
TEST PIT	⊕ TP-#

1. SUB-SURFACE BORING EXPLORATIONS WERE PERFORMED BY CASCADE REMEDIATION SERVICES BETWEEN 6/5/2023 THROUGH 6/7/2023. BORING LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE AND BORING INFORMATION IS NOT GUARANTEED IN ANY WAY TO REPRESENT EXISTING CONDITIONS. BORING LOGS ARE INCLUDED IN THE PROJECT MANUAL FOR THE CONTRACTORS INFORMATION ONLY.
2. SEPTIC PERCOLATION TEST PERFORMED BY TIGHE & BOND ON 9/6/2023 & 9/7/2023 IN ACCORDANCE WITH SECTION 8.4.B OF THE NEW YORK STATE DESIGN STANDARDS FOR INTERMEDIATE SIZED WASTEWATER TREATMENT SYSTEMS, 2014.
3. STORMWATER INFILTRATION TESTS PERFORMED BY TIGHE & BOND ON 9/6/2023 & 9/7/2023 IN ACCORDANCE WITH APPENDIX D OF THE NEW YORK STATE STORMWATER MANAGEMENT DESIGN MANUAL, 2015.
4. STORMWATER INFILTRATION TESTS FOR INFILTRATION BASIN 1 THROUGH 3 EXCEEDED 24"/HR.



PERCOLATION TEST SUMMARY										
TEST #	TEST HOLE DEPTH	SOIL DESCRIPTION	SOAKED	TEST RUNS						
					1	2	3	4	5	6
PT-01	24"	12" DARK BROWN TOPSOIL; 12" LIGHT BROWN FINE/MED SAND	NO	FINISH	1:12	1:24	1:33	1:48	1:48	1:47
				START	0:00	0:00	0:00	0:00	0:00	0:00
				TIME (MM:SS)	1:12	1:24	1:33	1:48	1:48	1:47
PT-02	24"	12" DARK BROWN TOPSOIL; 12" LIGHT BROWN FINE/MED SAND	NO	FINISH	1:20	1:18	1:37	1:50	2:15	2:07
				START	0:00	0:00	0:00	0:00	0:00	0:00
				TIME (MM:SS)	1:20	1:18	1:37	12:30	2:15	2:07
PT-03	24"	12" DARK BROWN TOPSOIL; 12" LIGHT BROWN FINE/MED SAND	NO	FINISH	0:58	1:27	1:45	1:45	2:02	2:20
				START	0:00	0:00	0:00	0:00	0:00	0:00
				TIME (MM:SS)	0:58	1:27	1:45	1:45	2:02	2:20
PT-04	24"	12" DARK BROWN TOPSOIL; 12" LIGHT BROWN FINE/MED SAND	NO	FINISH	0:49	0:58	1:06	1:21	1:23	1:27
				START	0:00	0:00	0:00	0:00	0:00	0:00
				TIME (MM:SS)	0:49	0:58	1:06	1:21	1:23	1:27
PT-05	24"	12" DARK BROWN TOPSOIL; 12" LIGHT BROWN FINE/MED SAND	NO	FINISH	1:09	2:01	2:09	2:35	2:54	3:41
				START	0:00	0:00	0:00	0:00	0:00	0:00
				TIME (MM:SS)	1:09	2:01	2:09	2:35	2:54	3:41
PT-06	24"	12" DARK BROWN TOPSOIL; 12" LIGHT BROWN FINE/MED SAND	NO	FINISH	0:40	0:54	1:12	1:08	1:14	1:22
				START	0:00	0:00	0:00	0:00	0:00	0:00
				TIME (MM:SS)	0:40	0:54	1:12	1:08	1:14	1:22
PT-07	24"	16" DARK BROWN; TOPSOIL 8" LIGHT BROWN SAND, SOME SILT	YES	FINISH	1:21	2:45	4:01	4:20	5:04	5:21
				START	0:00	0:00	0:00	0:00	0:00	0:00
				TIME (MM:SS)	1:21	2:45	4:01	4:20	5:04	5:21
PT-08	24"	18" DARK BROWN TOPSOIL; 8" LIGHT BROWN SAND, SOME SILT	NO	FINISH	0:26	0:34	0:41	0:56	-	-
				START	0:00	0:00	0:00	0:00	-	-
				TIME (MM:SS)	0:26	0:34	0:41	0:56	-	-
PT-09	24"	18" DARK BROWN TOPSOIL; 8" LIGHT BROWN SAND, SOME SILT	NO	FINISH	2:02	2:44	3:08	3:30	-	-
				START	0:00	0:00	0:00	0:00	-	-
				TIME (MM:SS)	2:02	2:44	3:08	3:30	-	-
PT-10	24"	12" DARK BROWN TOPSOIL; 12" LIGHT BROWN FINE/MED SAND	NO	FINISH	1:12	1:34	1:41	2:00	2:20	2:42
				START	0:00	0:00	0:00	0:00	0:00	0:00
				TIME (MM:SS)	2:32	2:51	3:14	3:31	2:20	2:42

TEST PIT SUMMARY				
TEST #	TEST HOLE DEPTH	SOIL DESCRIPTION	DEPTH TO ROCK	DEPTH TO WATER (ELEV.)
TP-01	90"	0"-12" DARK BROWN TOPSOIL (DRY); 12"-36" LIGHT BROWN FINE/MED SAND W/LI GRAVEL (MOIST); ROOTS OBSERVED 48" DOWN; 36"-90" DARK BROWN MED/COARSE SAND (MOIST)	NE	NE
TP-02	94"	0"-12" DARK BROWN TOPSOIL (MOIST); 12"-36" LIGHT BROWN FINE/MED SAND W/LI GRAVEL (MOIST); ROOTS OBSERVED 48" DOWN; 36"-94" DARK BROWN MED/COARSE SAND W/LI GRAVEL (MOIST)	NE	NE
TP-03	116"	0"-12" DARK BROWN TOPSOIL (MOIST); 12"-36" LIGHT BROWN FINE/MED SAND; ROOTS OBSERVED 48" DOWN; 36"-116" DARK BROWN MED/COARSE SAND W/LI GRAVEL (MOIST)	NE	NE
TP-04	93"	0"-12" DARK BROWN TOPSOIL (DRY); 12"-36" LIGHT BROWN FINE/MED SAND W/LI GRAVEL; ROOTS OBSERVED 48" DOWN; 36"-93" DARK BROWN MED/COARSE SAND W/LI GRAVEL (MOIST)	NE	NE
TP-05	92"	0"-12" DARK BROWN TOPSOIL (DRY); 12"-36" LIGHT BROWN FINE/MED SAND W/SO GRAVEL; 36"-48" GRAVEL LAYER; ROOTS OBSERVED 48" DOWN; 48"-92" DARK BROWN MED/COARSE SAND W/LI GRAVEL (MOIST)	NE	NE
TP-06	103"	0"-12" DARK BROWN TOPSOIL (MOIST); 12"-48" LIGHT BROWN FINE/MED SAND W/LI GRAVEL; ROOTS OBSERVED 48" DOWN; 48"-103" DARK BROWN MED/COARSE SAND W/LI GRAVEL (MOIST)	NE	NE
TP-07	102"	0"-12" DARK BROWN TOPSOIL (MOIST); 12"-36" LIGHT BROWN FINE/MED SAND W/AND GRAVEL (MOIST); 36"-102" DARK BROWN MED/COARSE SAND W/SO GRAVEL (MOIST); ROOTS OBSERVED DOWN TO END OF TP	NE	NE
TP-08	84"	0"-12" DARK BROWN TOPSOIL (MOIST); 12"-36" LIGHT BROWN FINE/MED SAND W/LI GRAVEL (MOIST); 36"-84" DARK BROWN MED/COARSE SAND W/SO GRAVEL (MOIST); ROOTS OBSERVED DOWN TO END OF TP	NE	NE
TP-09	92"	0"-12" DARK BROWN TOPSOIL (MOIST); 12"-36" BROWN FINE/MED SAND W/TR SILT; 36"-92" DARK BROWN MED/COARSE SAND W/TR GRAVEL (MOIST); ROOTS OBSERVED DOWN TO 84"	NE	NE
TP-10	96"	0"-16" DARK BROWN TOPSOIL (MOIST); 16"-36" BROWN FINE/MED SAND W/TR SILT (MOIST); 36"-96" DARK BROWN MED/COARSE SAND W/TR GRAVEL (MOIST); ROOTS OBSERVED DOWN TO END OF TP	NE	NE
TP-11	99"	0"-18" DARK BROWN TOPSOIL; 18"-48" BROWN FINE/MED SAND W/TR SILT (MOIST); 48"-99" DARK BROWN MED/COARSE SAND W/TR GRAVEL (MOIST); ROOTS OBSERVED DOWN TO END OF TP	NE	NE



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PHASE 1A IMPROVEMENTS

322 LAKE HILL RD,
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Description	Date
PEER REVIEW	10/06/23

DESIGN DEVELOPMENT

223

by CJR/RC

ed by BK

09/01/2

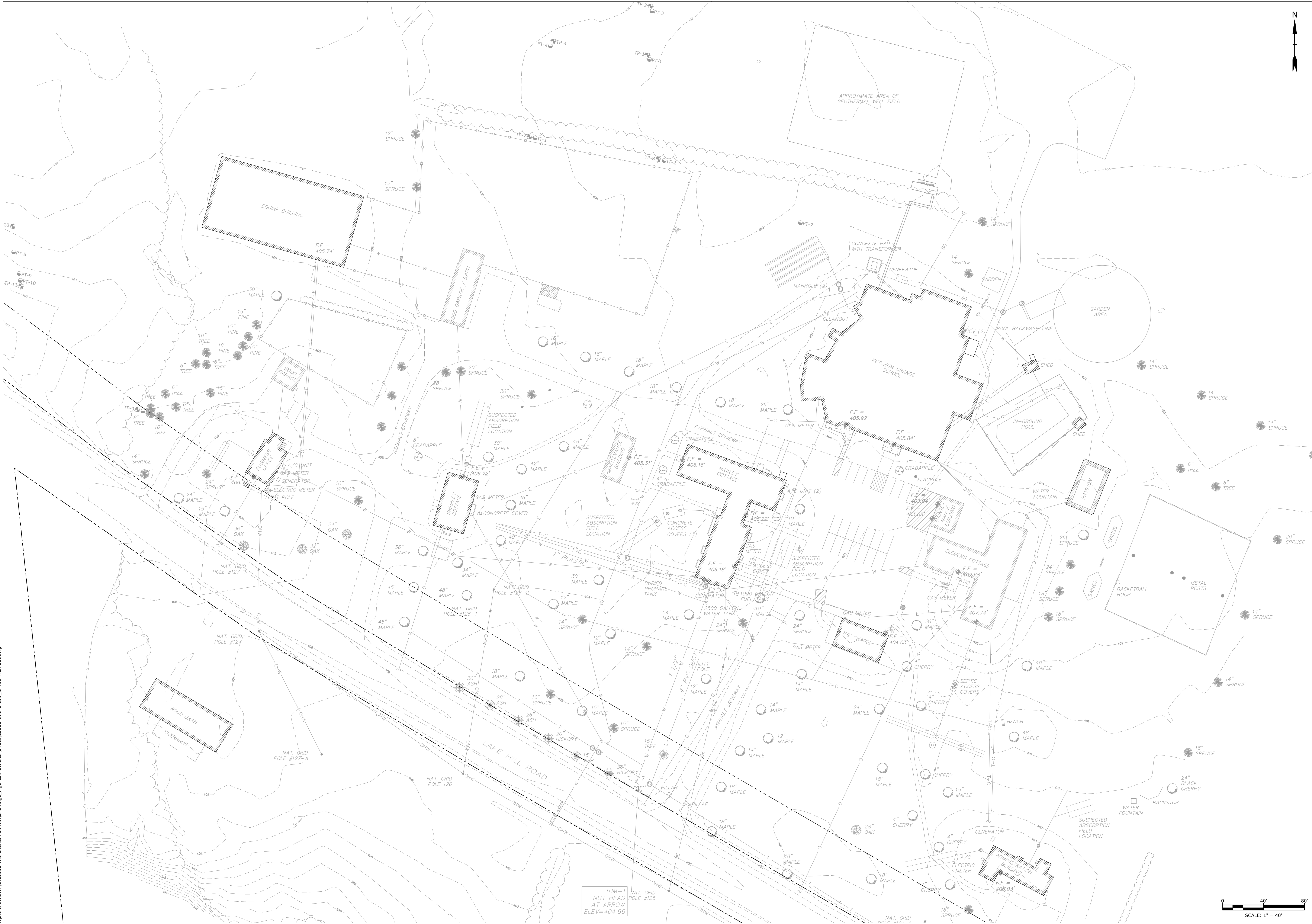
SOILS VESTIGATIONS

C-003

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No.	Description	Date
1	PEER REVIEW	10/06/23

PROGRESS:	DESIGN	CONSTRUCTION
SCHEMATIC	DESIGN	DOCUMENTS

Project Number 2234

Drawn by CJR/RQL

Checked by BKN

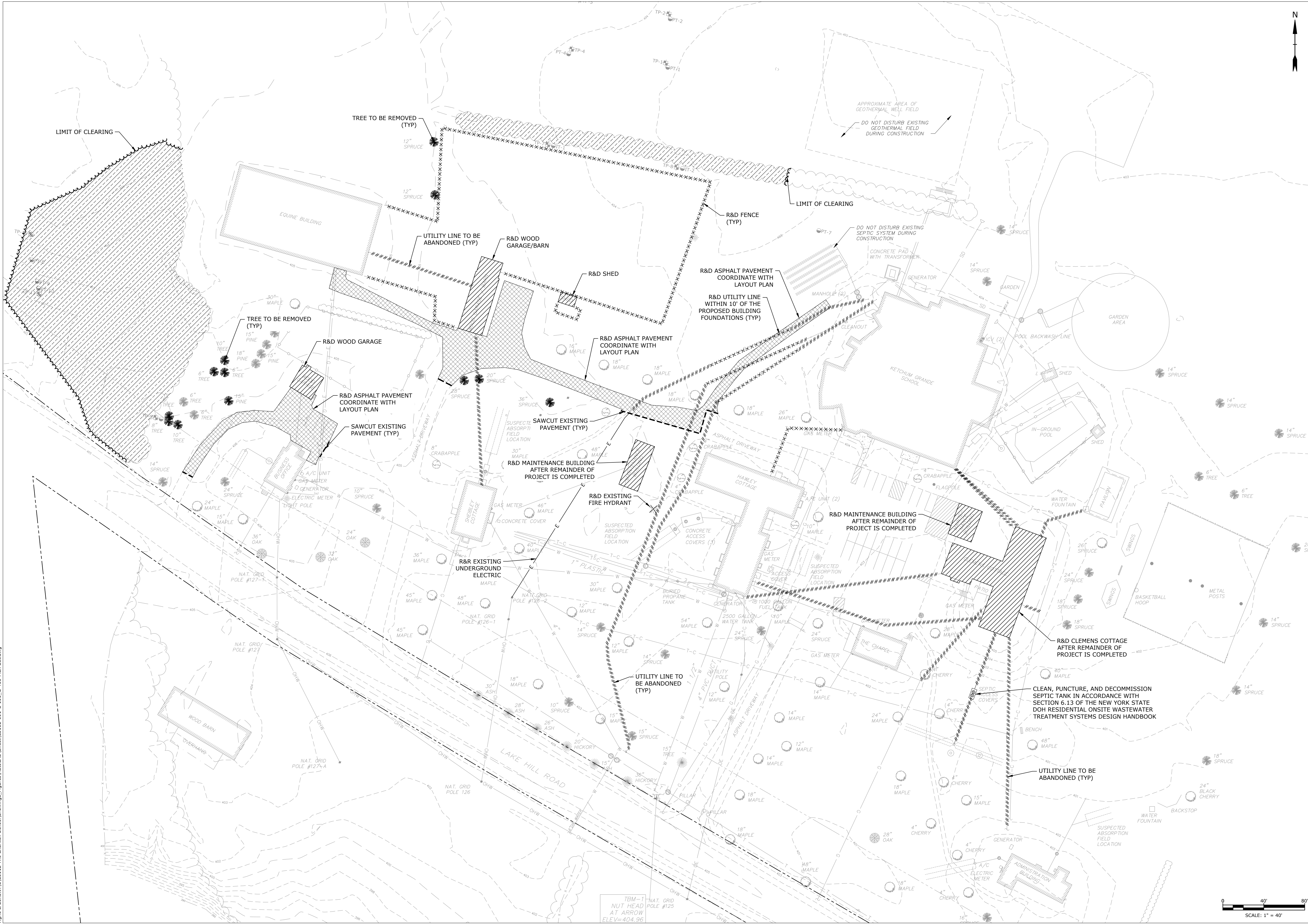
Date 09/01/23

EXISTING
CONDITIONS
PLAN

C-100

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No.	Description	Date
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Project Number 2234

Drawn by CJR/RQL

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Date 09/01/23

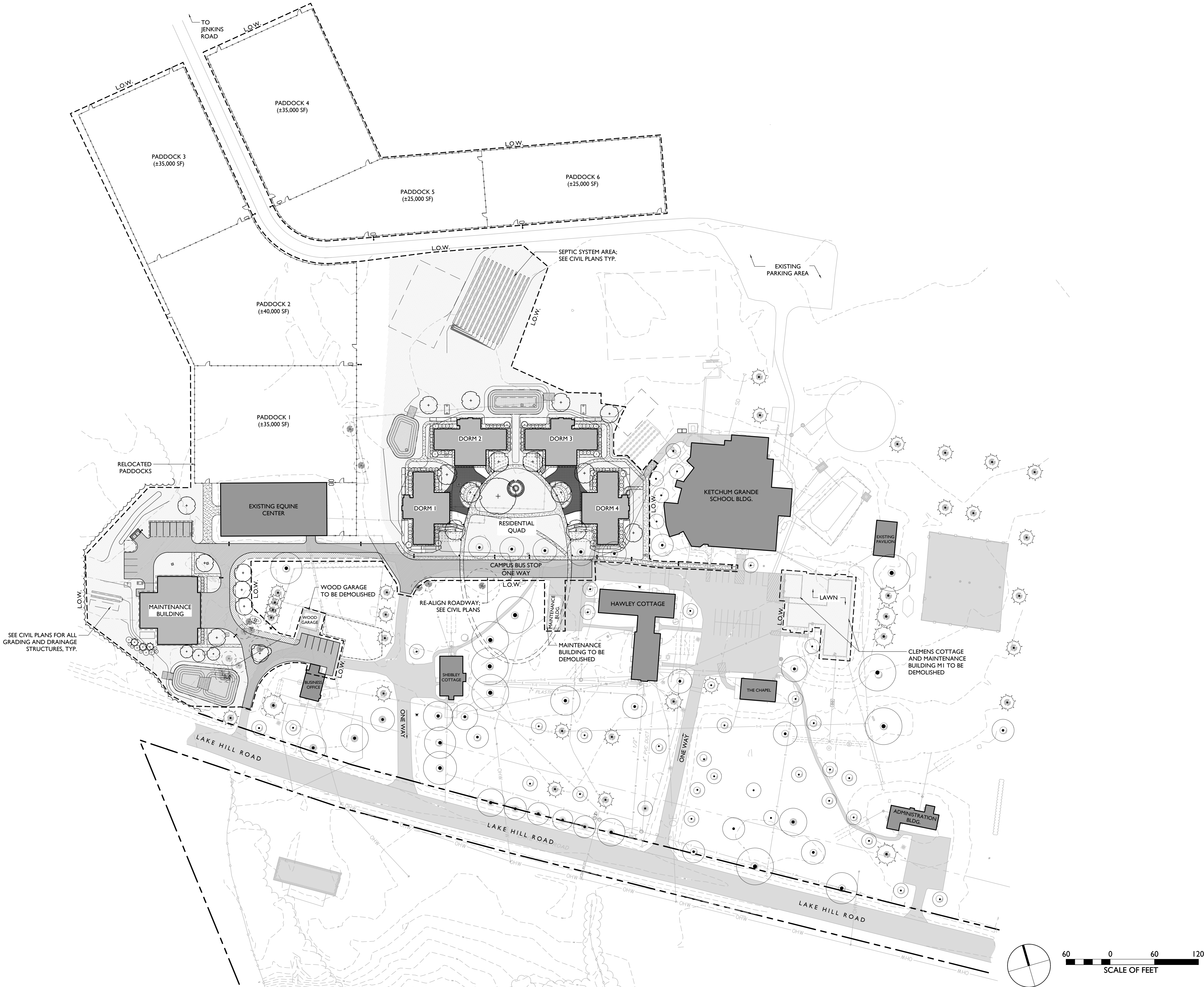
**DEMOLITION
PLAN**

C-200

7/5/2023 11:56:15 AM

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- LEGEND
- LIMIT OF WORK (L.O.W.)
 - SHRUBS, PERENNIALS, GROUNDCOVERS
 - Paddock FENCE
 - Paddock WATER TROUGH
 - ~ TREELINE
 - BOLLARD PATH LIGHT
 - LIGHT POLE
 - ASPHALT ROAD PAVEMENT
 - BIORETENTION SEED MIX
 - LAWN
 - UNIT PAVERS
 - CONCRETE WALK
 - STONEDUST PATH
 - TREE TO BE REMOVED
 - EXISTING DECIDUOUS TREE TO REMAIN
 - EXISTING CONIFEROUS TREE TO REMAIN
 - PROPOSED TREE



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No.	Description	Date
1	PEER REVIEW	10/06/23

PROGRESS:
SCHEMATIC DESIGN
DESIGN DEVELOPMENT
CONSTRUCTION DOCUMENTS

Project Number 2234, 23-329 (WHLA)

Drawn by SF

Checked by DB/JF

Date 10/06/23

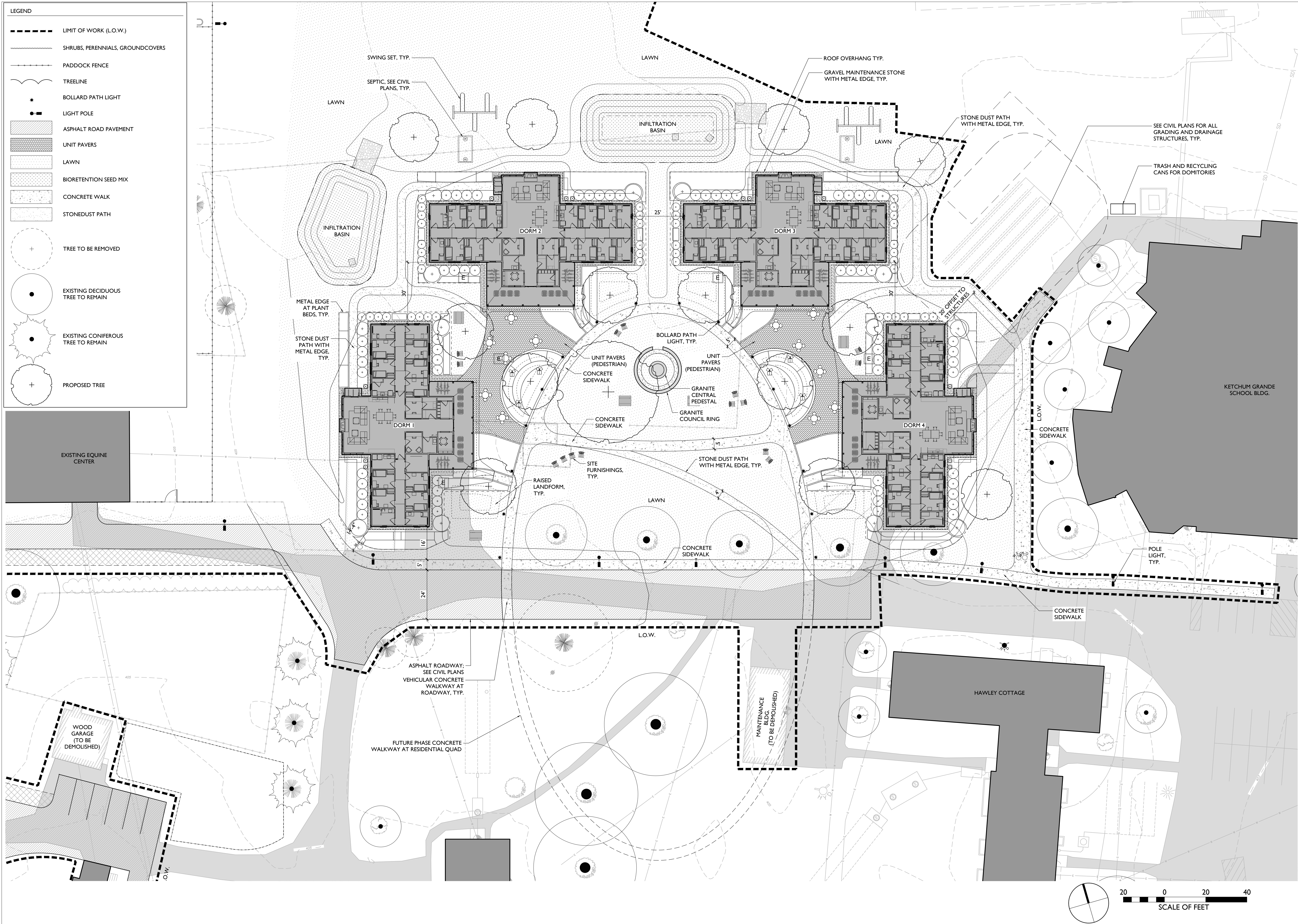
PHASE 1A

OVERALL
LAYOUT &
MATERIALS PLAN

L-100

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PROGRESS:
SCHEMATIC DESIGN DESIGN CONSTRUCTION DOCUMENTS

Project Number 2234, 23-329 (WHLA)

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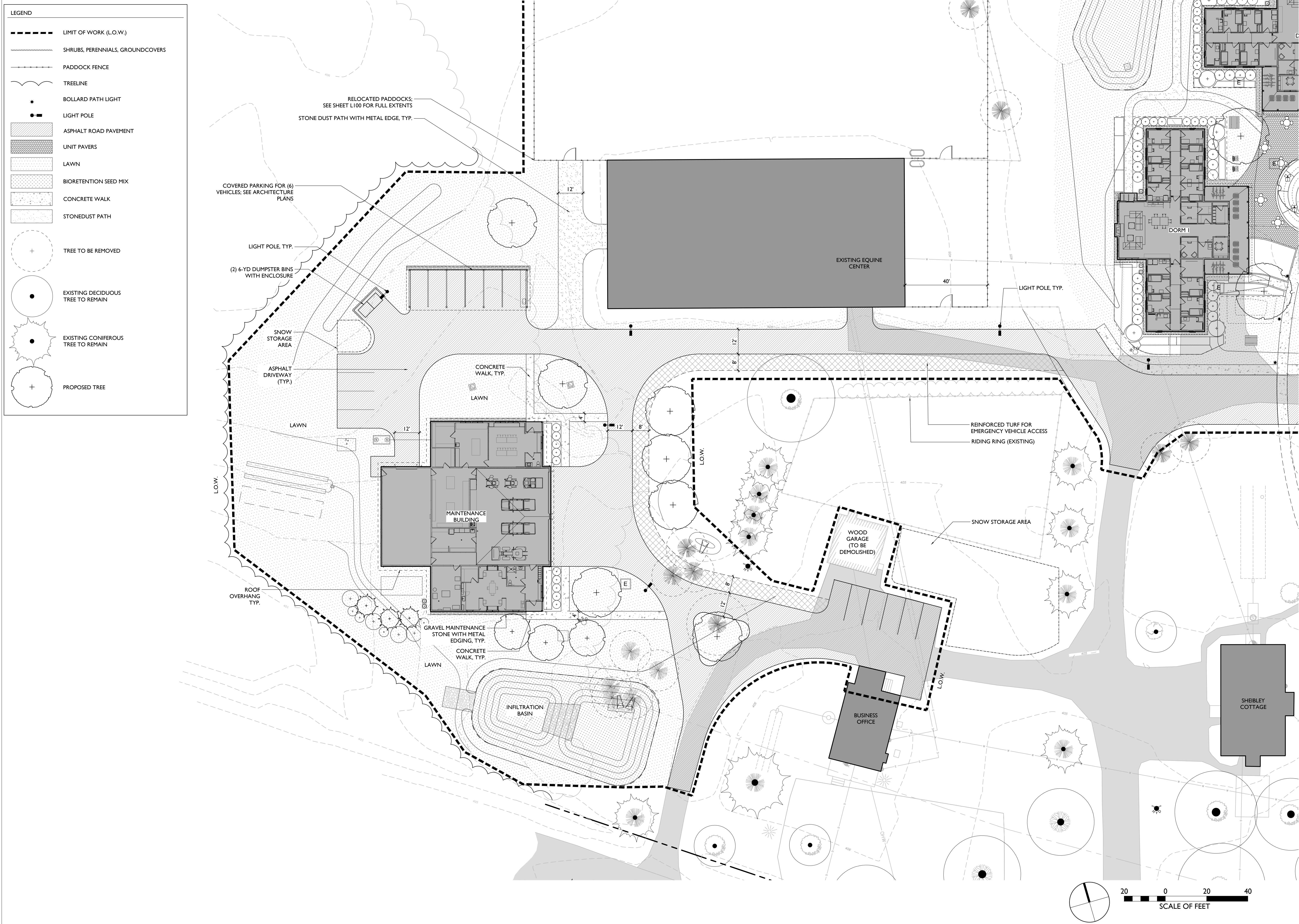
LAYOUT &
MATERIALS PLAN
ENLARGEMENT

QUADRANGLE

L-101

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No.	Description	Date
1	PEER REVIEW	10/06/23

PROGRESS:
SCHEMATIC DESIGN DESIGN DEVELOPMENT CONSTRUCTION DOCUMENTS

Project Number 2234, 23-329 (WHLA)

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LAYOUT &
MATERIALS PLAN
ENLARGEMENT

MAINTENANCE
BUILDING

L-102

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- KEY
- EXISTING LANDSCAPE LIGHTING
 - EXISTING BUILDING-MOUNT LIGHTING



Many of the existing buildings have security floodlights that send light off in all directions and not particularly where you need light. Many of these will be removed with the existing buildings. New fixtures will only throw lighting down toward the ground, no flood lights are proposed.



Most of the existing site lighting consists of these acorn fixtures which are inefficient due to many factors including out of date technology (not LED), translucent and discolored lens, and the fact that they cast light up into the sky as well as down on the walking surface. New fixtures will be dark-sky compliant casting light only down and will have LED light source for efficiency.



None of the campus paths currently have lighting. We are proposing low bollard lights along the paths of the new quadrangle to create a much safer atmosphere.



Existing pole-mounted lighting in the paddock areas will be removed. Solar-powered fixtures are being considered as a replacement fixture.



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No.	Description	Date
1	PEER REVIEW	10/06/23

PROGRESS:	DESIGN	CONSTRUCTION
SCHEMATIC DESIGN	DEVELOPMENT	DOCUMENTS

Project Number 2234, 23-329 (WHLA)

Drawn by SF

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Date 10/06/23

LIGHTING PLAN
DIAGRAM

(EXISTING
CONDITIONS)

L-300

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- KEY
- EXISTING LIGHTING TO BE REMOVED
 - EXISTING LIGHTING TO REMAIN
 - PROPOSED SITE LIGHTING

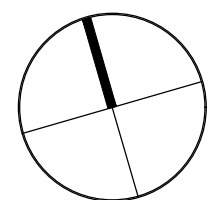
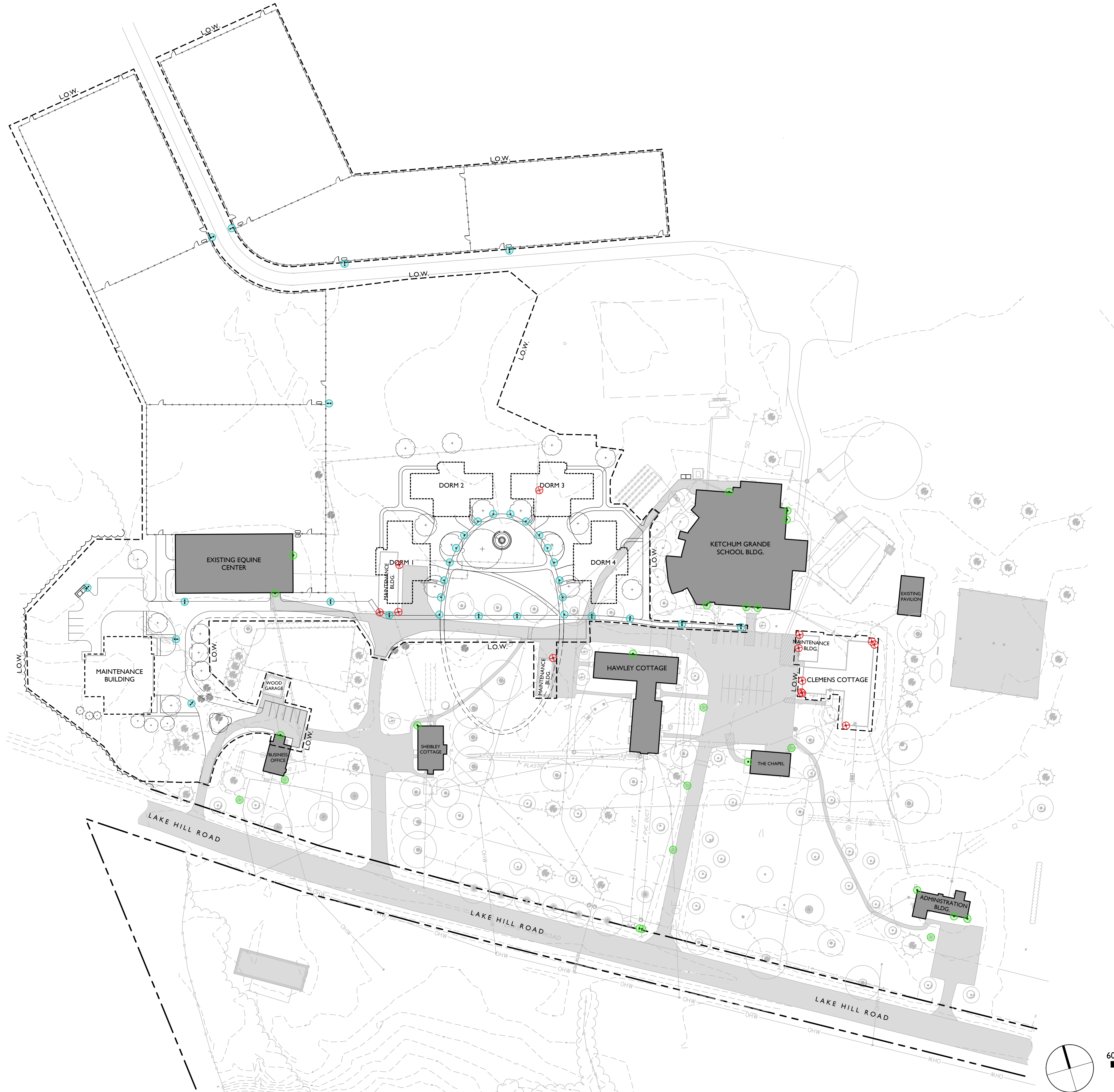
PROPOSED LIGHTING IMAGES



Proposed pole lighting for roadways on campus. Lights will be spaced per plan to illuminate pockets of light only where it is essential to guide users safely through the site at night. All pole lighting will cast downward, and be dark-sky compliant.



Proposed bollard lighting will illuminate the path surrounding the quadrangle adjacent to student dormitories, creating a safer night time atmosphere.



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DORMITORY

322 LAKE HILL RD.
BURNT HILLS, NY 12027

No.	Description	Date
1	PEER REVIEW	10/06/23

PROGRESS:
SCHEMATIC DESIGN DESIGN DEVELOPMENT CONSTRUCTION DOCUMENTS

Project Number 2234, 23-329 (WHLA)

Drawn by SF

Checked by DB/JF

Date 10/06/23

LIGHTING PLAN
DIAGRAM

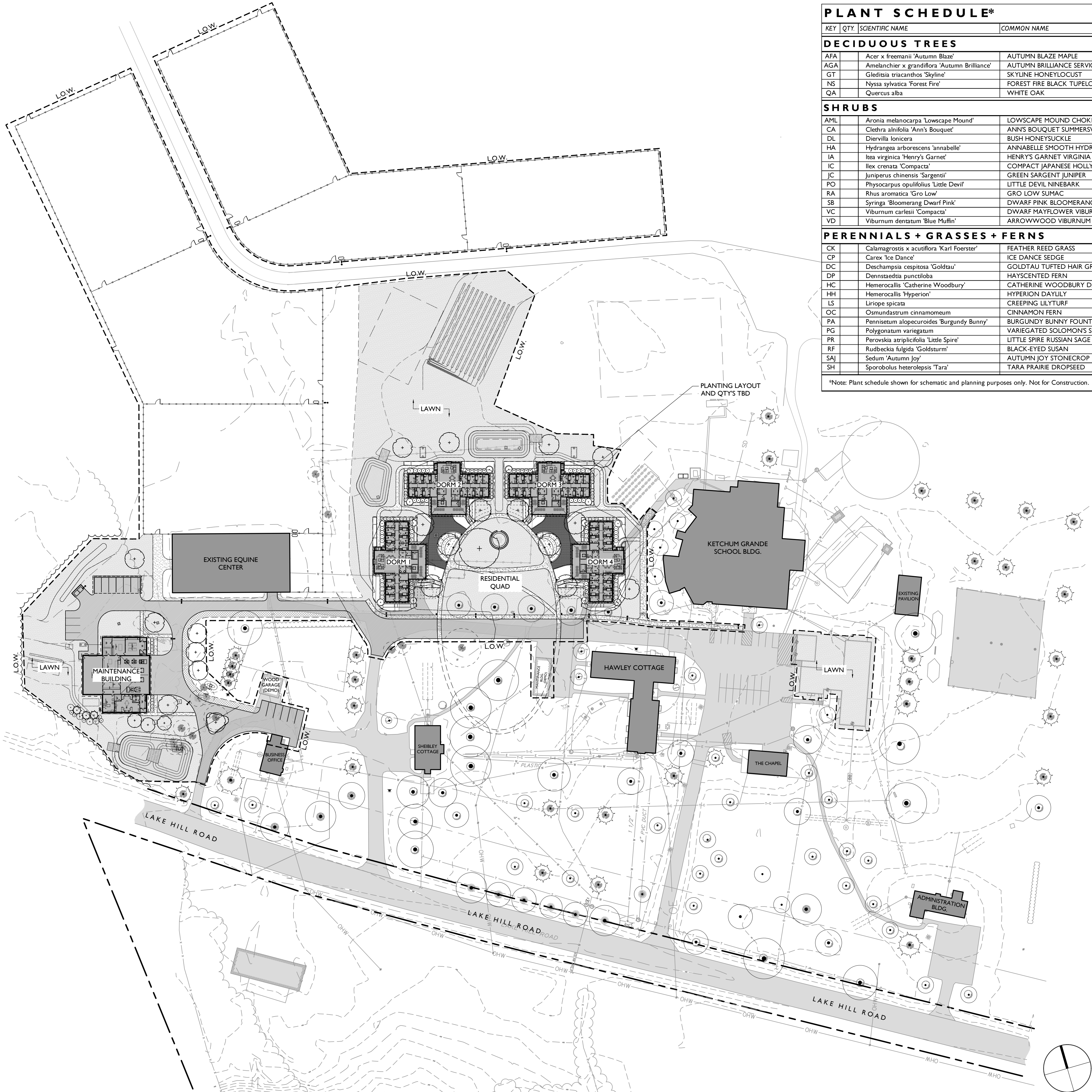
(PROPOSED)

L-301

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FILE PATH: U:\323-329 CHARLTON SCHOOL QUADRANGLE\WHLA\CAD\SHEETS\300_PLANTING PLAN.DWG

- LEGEND
- LIMIT OF WORK (L.O.W.)
 - SHRUBS, PERENNIALS, GROUNDCOVERS
 - Paddock FENCE
 - Paddock WATER TROUGH
 - ~ TREELINE
 - BOLLARD PATH LIGHT
 - LIGHT POLE
 - ASPHALT ROAD PAVEMENT
 - BIORETENTION SEED MIX
 - LAWN
 - UNIT PAVERS
 - CONCRETE WALK
 - STONEDUST PATH
 - TREE TO BE REMOVED
 - EXISTING DECIDUOUS TREE TO REMAIN
 - EXISTING CONIFEROUS TREE TO REMAIN
 - PROPOSED TREE



PLANT SCHEDULE*				
KEY	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE
DECIDUOUS TREES				
AFA		Acer x freemani 'Autumn Blaze'	AUTUMN BLAZE MAPLE	3-3.5" CAL.
AGA		Amelanchier x grandiflora 'Autumn Brilliance'	AUTUMN BRILLIANCE SERVICEBERRY	3" CAL, SINGLE STEM
GT		Gleditsia triacanthos 'Skyline'	SKYLINE HONEYLOCUST	4" CAL.
NS		Nyssa sylvatica 'Forest Fire'	FOREST FIRE BLACK TUPELO	3-4" CAL.
QA		Quercus alba	WHITE OAK	5" CAL.
SHRUBS				
AML		Aronia melanocarpa 'Lowscape Mound'	LOWSCAPE MOUND CHOKEBERRY	3 GAL.
CA		Clethra alnifolia 'Ann's Bouquet'	ANN'S BOUQUET SUMMERSWEET	3-4" B&B
DL		Diervilla lonicera	BUSH HONEYSUCKLE	3 GAL.
HA		Hydrangea arborescens 'Annabelle'	ANNABELLE SMOOTH HYDRANGEA	5 GAL.
IA		Itea virginica 'Henry's Garnet'	HENRY'S GARNET VIRGINIA SWEETSPIRE	5 GAL.
IC		Ilex crenata 'Compacta'	COMPACT JAPANESE HOLLY	5 GAL.
JC		Juniperus chinensis 'Sargentii'	GREEN SARGENT JUNIPER	5 GAL.
PO		Physocarpus opulifolius 'Little Devil'	LITTLE DEVIL NINEBARK	3 GAL.
RA		Rhus aromatica 'Gro Low'	GRO LOW SUMAC	3 GAL.
SB		Syringa 'Bloomerang Dwarf Pink'	DWARF PINK BLOOMERANG LILAC	7 GAL.
VC		Viburnum carlesii 'Compacta'	DWARF MAYFLOWER VIBURNUM	3 GAL.
VD		Viburnum dentatum 'Blue Muffin'	ARROWWOOD VIBURNUM BLUE MUFFIN	4-5" B&B
PERENNIALS + GRASSES + FERNS				
CK		Calamagrostis x acutiflora 'Karl Foerster'	FEATHER REED GRASS	1 GAL.
CP		Carex 'Ice Dance'	ICE DANCE SEDGE	1 GAL.
DC		Deschampsia cespitosa 'Goldtau'	GOLDTAU TUFTED HAIR GRASS	1 GAL.
DP		Dennstaedtia punctiloba	HAYSCENTED FERN	1 GAL.
HC		Hemerocallis 'Catherine Woodbury'	CATHERINE WOODBURY DAYLILY	1 GAL.
HH		Hemerocallis 'Hyperion'	HYPERION DAYLILY	1 GAL.
LS		Liriope spicata	CREeping LILYTURF	1 GAL.
OC		Osmundastrum cinnamomeum	CINNAMON FERN	1 GAL.
PA		Pennisetum alopecuroides 'Burgundy Bunny'	BURGUNDY BUNNY FOUNTAIN GRASS	1 GAL.
PG		Polygonatum variegatum	VARIEGATED SOLOMON'S SEAL	1 GAL.
PR		Perovskia atriplicifolia 'Little Spire'	LITTLE SPIRE RUSSIAN SAGE	1 GAL.
RF		Rudbeckia fulgida 'Goldsturm'	BLACK-EYED SUSAN	1 GAL.
SAJ		Sedum 'Autumn Joy'	AUTUMN JOY STONECROP	1 GAL.
SH		Sporobolus heterolepis 'Tara'	TARA PRAIRIE DROPSSEED	1 GAL.

*Note: Plant schedule shown for schematic and planning purposes only. Not for Construction.

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WHLA
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DORMITORY

322 LAKE HILL RD.
BURNT HILLS, NY 12027

No.	Description	Date
1	PEER REVIEW	10/06/23

PROGRESS:	DESIGN	CONSTRUCTION
SCHEMATIC DESIGN	DESIGN DEVELOPMENT	CONSTRUCTION DOCUMENTS

Project Number 2234, 23-329 (WHLA)

Drawn by SF

Checked by DB/JF

Date 09/13/23

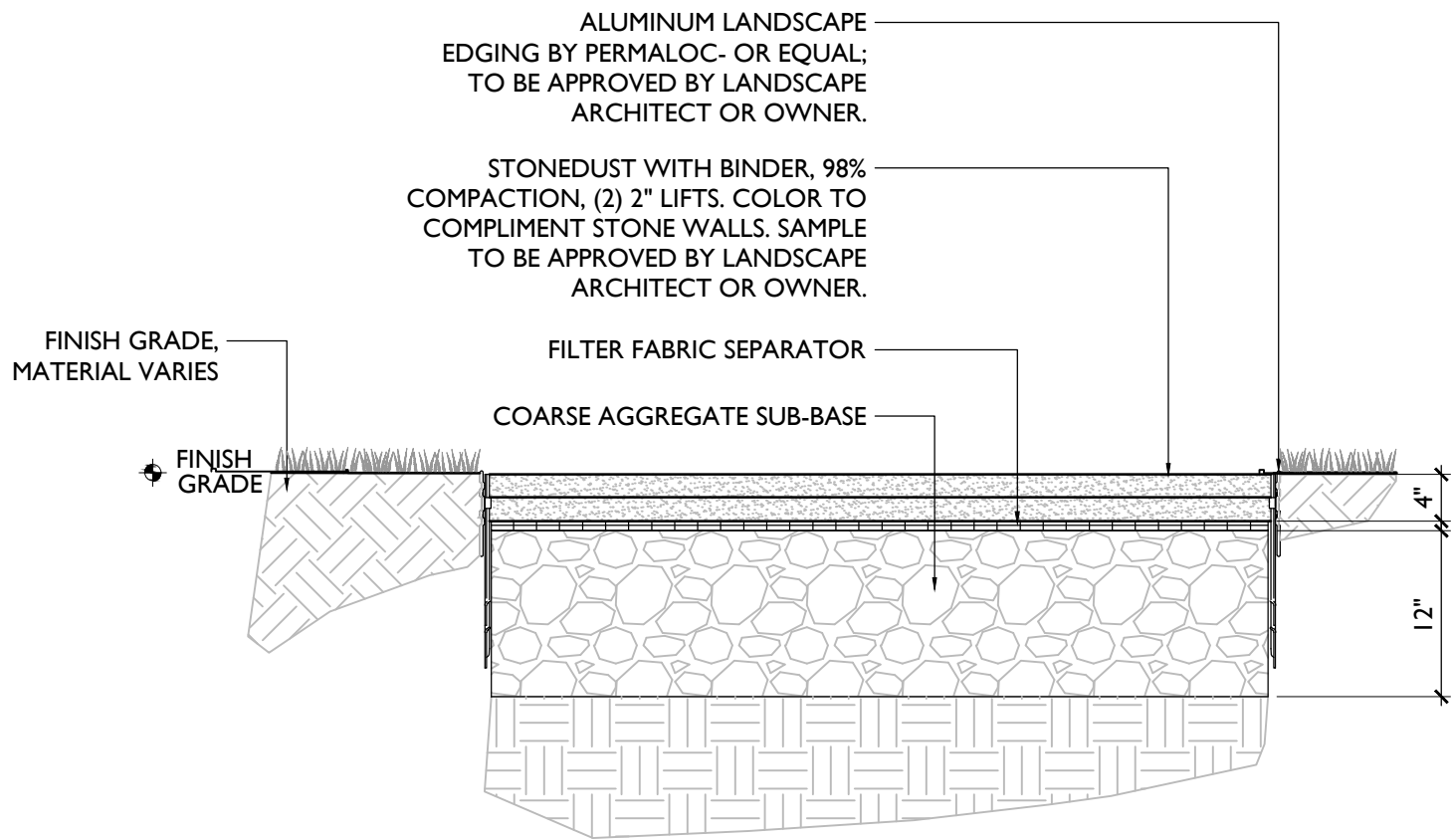
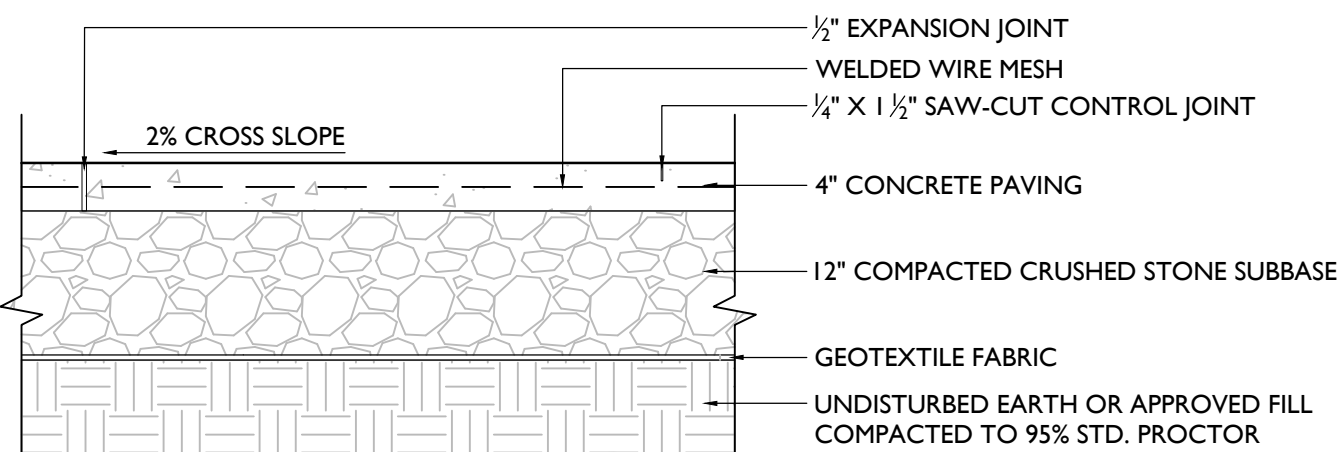
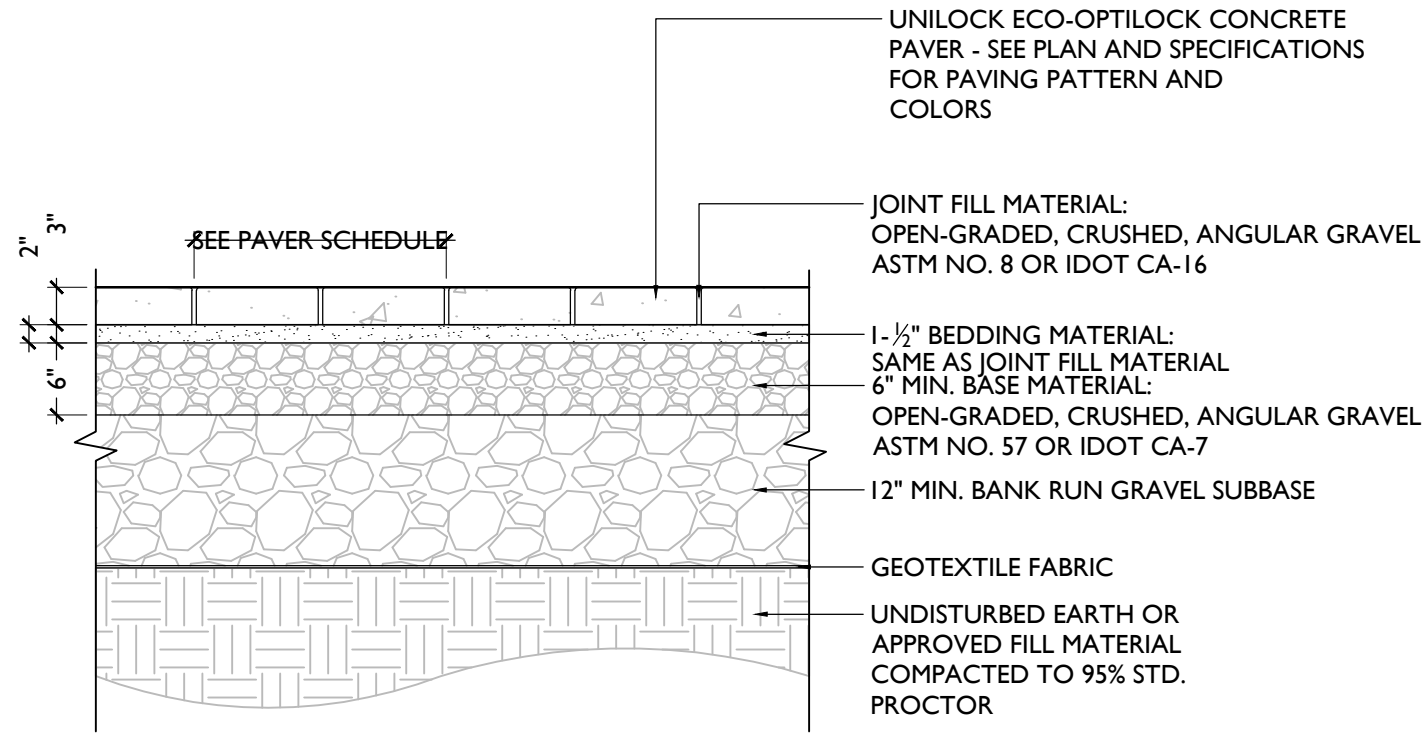
PHASE 1A

OVERALL
PLANTING PLAN

L-400

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1 CONCRETE UNIT PAVERS

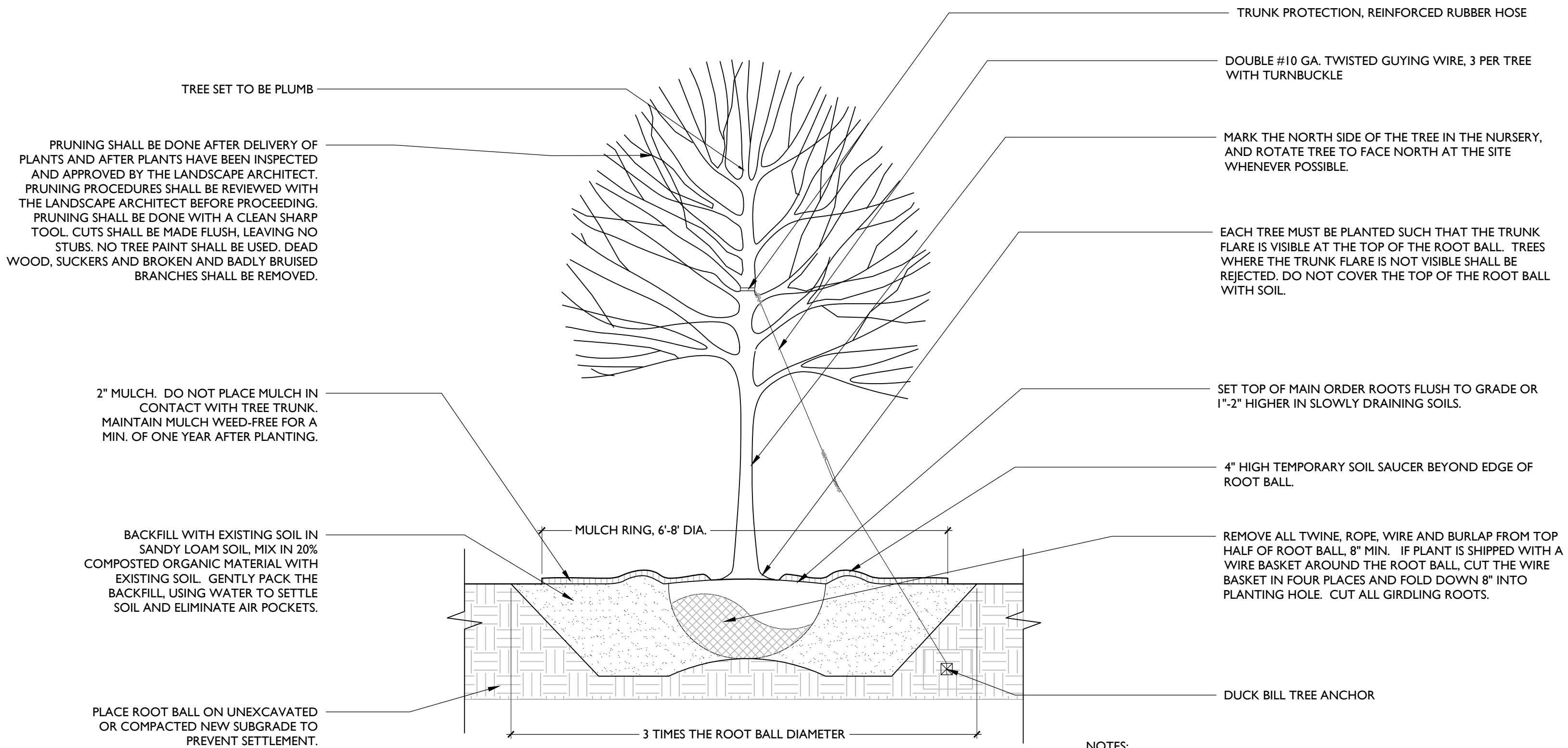
3/4" = 1'-0"

2 CONCRETE WALKWAY PAVING

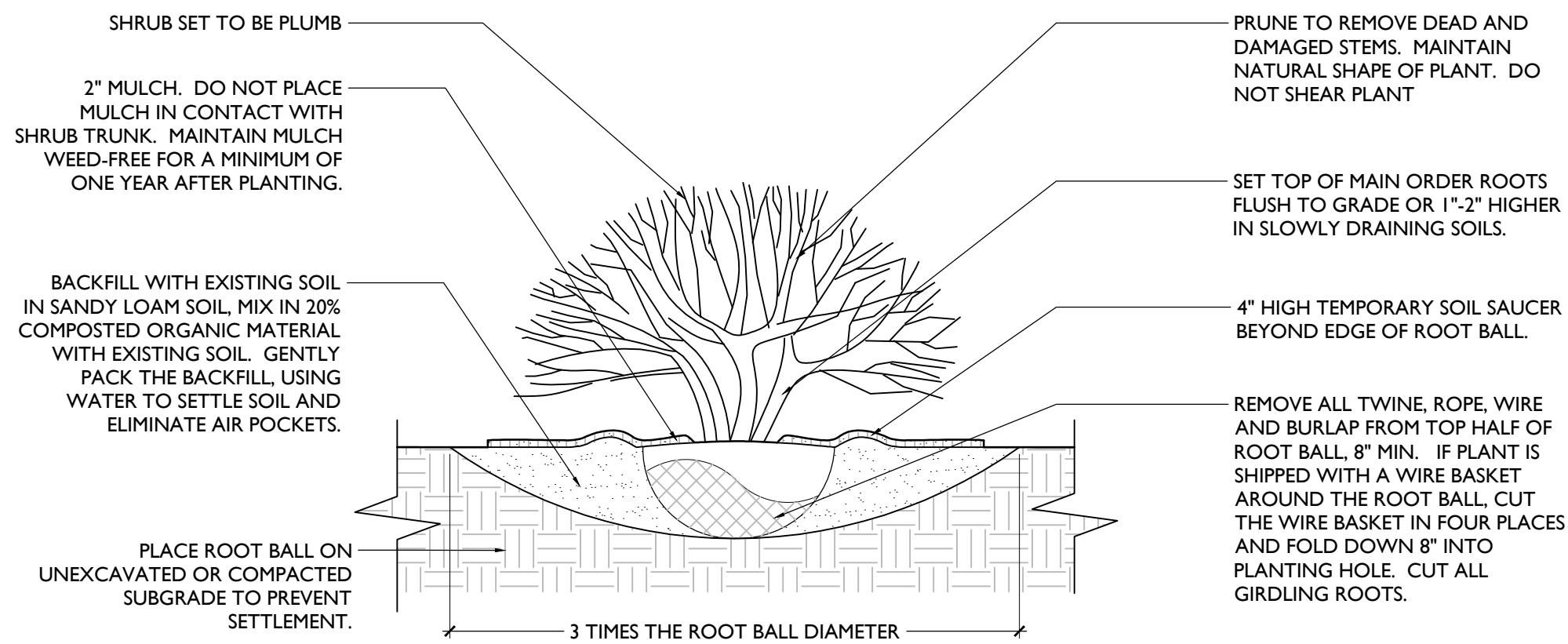
3/4" = 1'-0"

3 STONEDUST PAVING

3/4" = 1'-0"



NOTES:
1. REMOVE ALL NON - BIODEGRADABLE MATERIAL FROM PLANT PIT.
2. REMOVE ALL PLANT MATERIAL TAGS, FLAGGING, AND EXTRANEOUS LABELS, ETC.



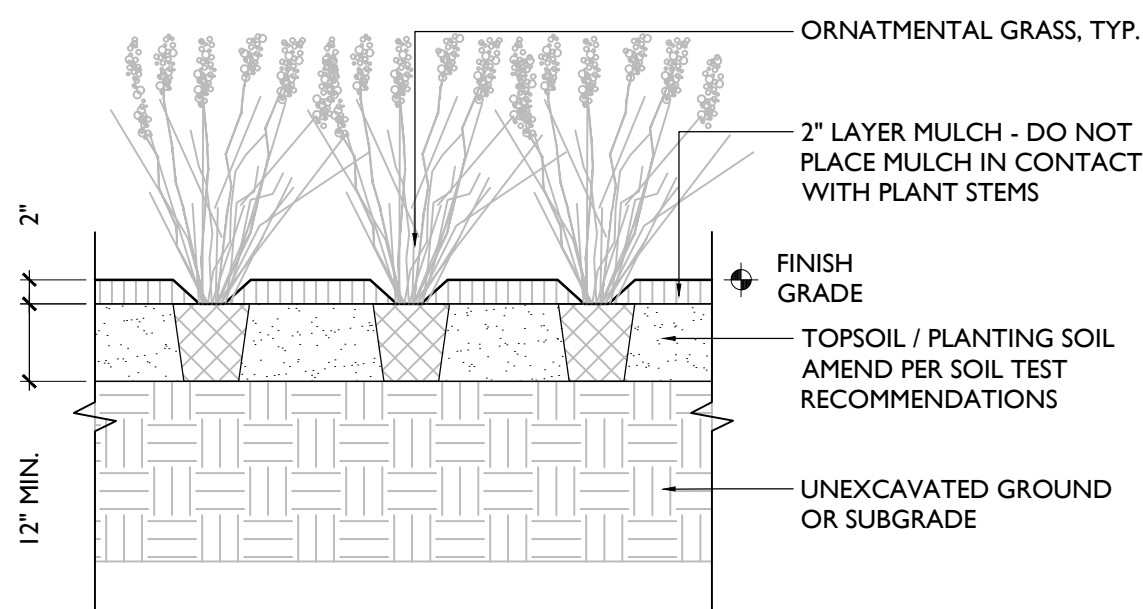
NOTES:
1. REMOVE ALL NON - BIODEGRADABLE MATERIAL FROM PLANT PIT.
2. REMOVE ALL PLANT MATERIAL TAGS, FLAGGING, AND EXTRANEOUS LABELS, ETC.

4 DECIDUOUS TREE PLANTING

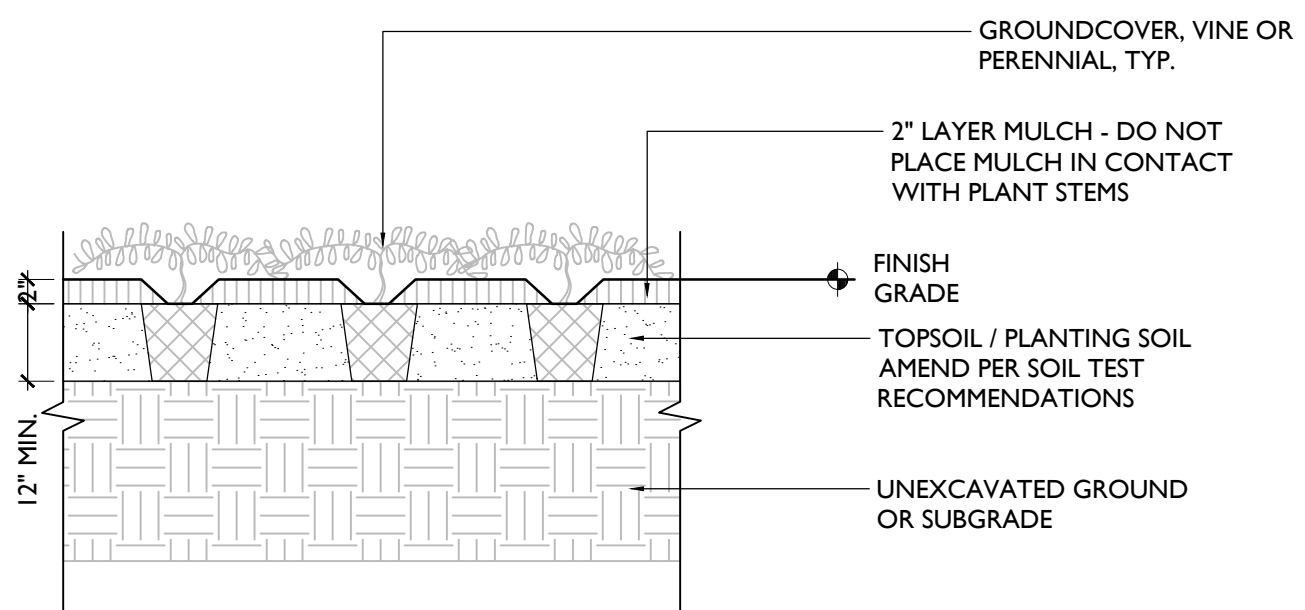
NTS

5 SHRUB PLANTING

NTS



NOTES:
1. REMOVE ALL NON - BIODEGRADABLE MATERIAL FROM PLANT PIT.
2. REMOVE ALL BASE MATERIALS FROM CONSTRUCTION FROM THE PLANTING AREA.
3. REMOVE ALL PLANT MATERIAL TAGS, FLAGGING, AND EXTRANEOUS LABELS, ETC.
4. REMOVE ALL WEEDS FROM BASE OF PLANT.



NOTES:
1. REMOVE ALL NON - BIODEGRADABLE MATERIAL FROM PLANT PIT.
2. REMOVE ALL PLANT MATERIAL TAGS, FLAGGING, AND EXTRANEOUS LABELS, ETC.

6 GRASS PLANTING

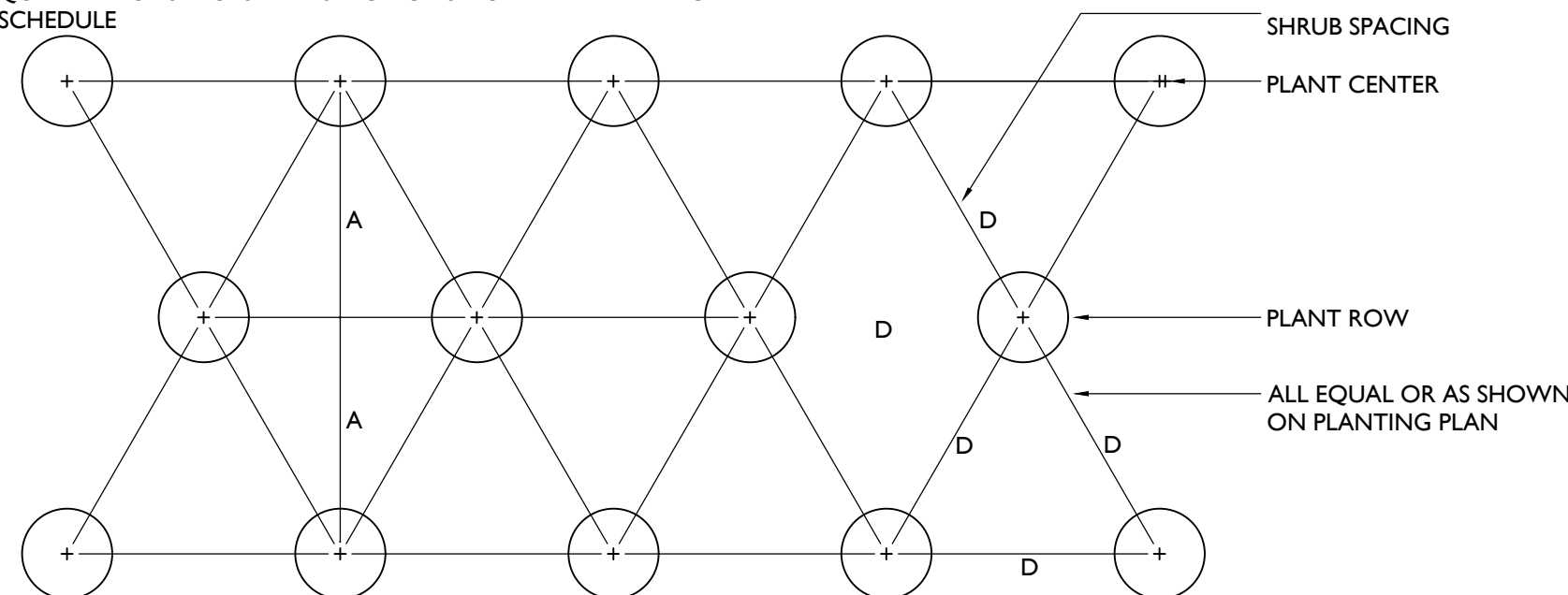
NTS

7 GROUNDCOVER PLANTING

NTS

SPACING "D"	ROW "A"	NUMBER OF PLANTS/SQ.FT.
48" O.C.	41.52"	0.07
36" O.C.	31.20"	0.12
24" O.C.	20.76"	0.28
18" O.C.	15.59"	.5
12" O.C.	10.39"	1.15

NOTE:
QUANTITY OF SHRUBS AND SPACING AS NOTED IN PLANTING SCHEDULE



8 SPACING CHART

NTS

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CONSTRUCTION

Scale:

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DORMITORY**

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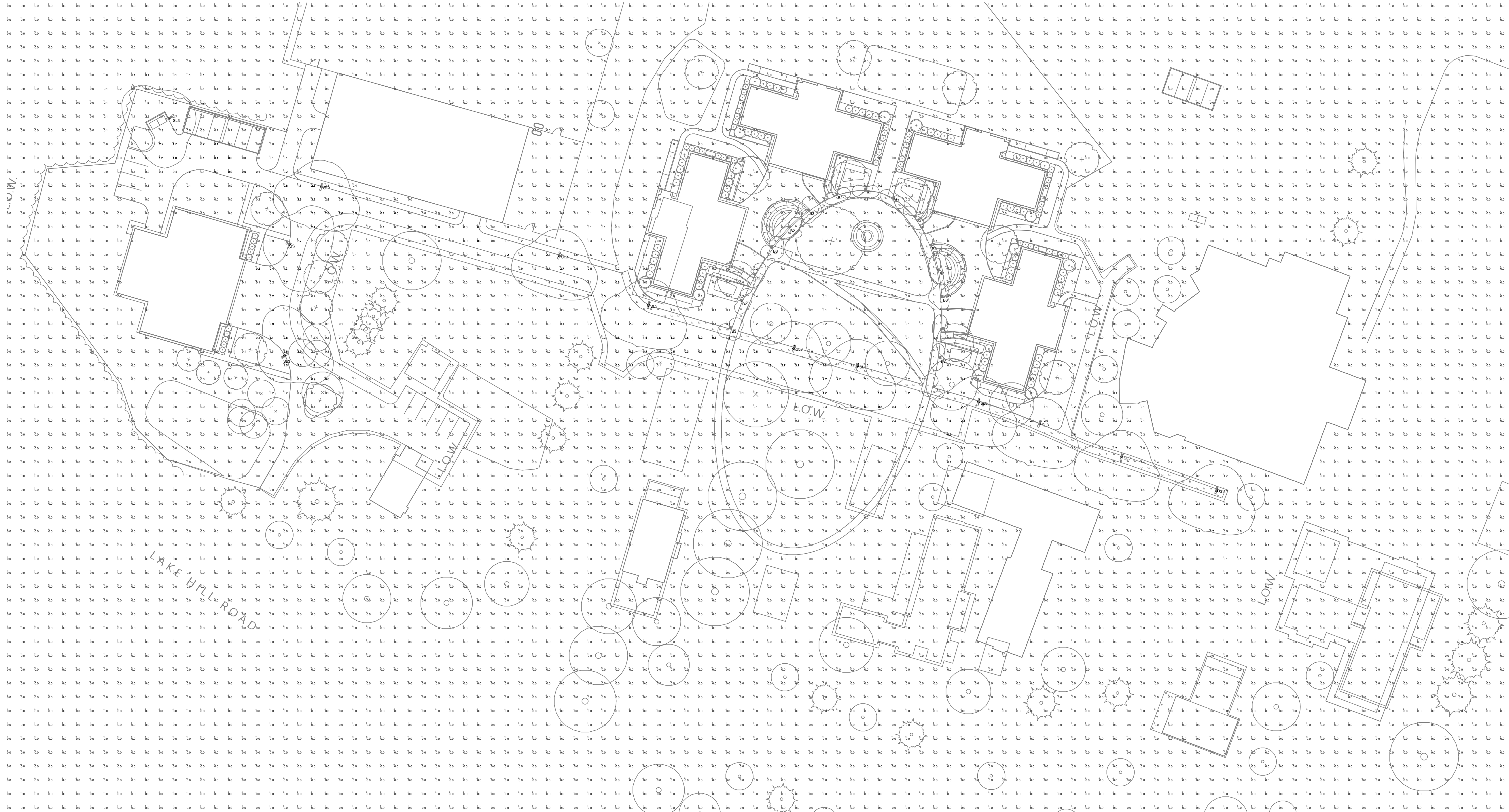
Date 09/01/23

PHASE 1A

LANDSCAPE
DETAILS

L-500

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JOB NAME: THE CHARLTON SCHOOL
APEX LIGHTING SOLUTIONS
WORKPLANE/CALC PLANE: AT FINISH GRADE
MOUNTING HEIGHT: SEE LUMINAIRE SCHEDULE
APPS: LED
SALES: TC

Luminaire Schedule							
Qty	Label	Arrangement	Lumens	Input Watts	LLF	BUG Rating	Description
11	B2	Single	798	14.1	0.900	B0-U0-G1	SELUX IBL-3.5-2Q90MU-30-BK-UNV
5	B3	Single	1580	20.48	0.900	B1-U0-G0	SELUX IBL-3.5-3Q-30-BK-UNV
12	SL3	Single	5004	48.72	0.900	B1-U0-G1	SELUX BPL-R3-1-5G530-30-20-BK-UNV / MOUNTED TO 16FT POLE

Calculation Summary						
Label	Grid Height	Avg	Max	Min	Avg/Min	Max/Min
DRIVE LANES	0	1.04	3.2	0.0	N.A.	N.A.
SIDEWALKS	0	2.87	29.4	0.1	28.70	294.00
SITE	0	0.06	17.8	0.0	N.A.	N.A.

GENERAL DISCLAIMER:

Calculations have been performed according to IES standards and good practice. Some differences between measured values and calculated results may occur due to tolerances in calculation methods, testing procedures, component performance, measurement techniques and field conditions such as voltage and temperature variations. Input data used to generate the attached calculations such as room dimensions, reflectances, furniture and architectural elements significantly affect the lighting calculations. If the real environment conditions do not match the input data, differences will occur between measured values and calculated values.

* LLF Determined Using Current Published Lamp Data

NOTE TO REVIEWER:

Total Light Loss Factor (LLF) applied at time of design is determined by applying the Lamp Lumen Depreciation (LLD) from current lamp manufacturer's catalog, a Luminaire Dirt Depreciation Factor (LDD) based on IES recommended values, and a Ballast Factor (BF) from current ballast specification sheets. Application of an incorrect Light Loss Factor (LLF) will result in forecasts of performance that will not accurately depict actual results.

For proper comparison of photometric layouts, it is essential that you insist all designers use correct Light Loss Factors.



LIGHTING SOLUTIONS

20-30 BEAVER ROAD, WETHERSFIELD, CT 06109

TELEPHONE 860.632.8766 / WWW.APEXLTG.COM

PROJECT TITLE:

THE CHARLTON SCHOOL

DRAWING TITLE:

SITE LIGHTING
PHOTOMETRIC CALCULATION

SCALE : 1"=40'-0"

DATE : 9/28/23

DRAWN BY: LED

SHEET:

SL-1A

HANDHOLE SIZING SCHEDULE		
TAG	SIZE (W x L x D)	TIER
HH-1	13" x 24" x 18"	22
HH-2	36" x 36" x 18"	22

1. PROVIDE CONDUITS INDICATED IN THE CODED NOTES BELOW FOR SITE LIGHTING FIXTURES. REFER TO ADJACENT DRAWING FOR ROUTING OF CONDUIT. REFER TO E-104 FOR SITE LIGHTING CONTROL DETAILS AND FIXTURE SCHEDULE.
2. COORDINATE ROUTING OF CONDUITS WITH OTHER SITE UTILITIES.
3. PROVIDE HANDHOLES PER 'SITE HANDHOLE SCHEDULE' AND 'SITE HANDHOLE DETAIL,' EVERY FOURTH TURN AND AS REQUIRED.
4. REFER TO E-100 AND E-101 FOR SITE POWER CONDUIT ROUTING AND E-500 FOR QUANTITY AND SIZING.
5. REFER TO E-102 FOR SITE FIBER CONDUIT AND SIZING.
6. REFER TO E-104 FOR SITE DETAILS AND DIAGRAMS.

PROVIDE 1-1/4" WITH (2) #10 AWG + #10 AWG G FROM MAINTENANCE BUILDING ELECTRICAL ROOM TO PARKING LOT POLE LIGHT INDICATED.

B PROVIDE 1-1/4" WITH (2) #10 AWG + #10 AWG G FROM STUDENT DORMITORY #1 ELECTRICAL ROOM TO PARKING LOT POLE LIGHT INDICATED.

PROVIDE 1-1/4" WITH (2) #10 AWG + #10 AWG G FROM PREVIOUS PARKING LOT POLE LIGHT.

SITE LIGHTING CONTROLLER SCHEDULE					
BASIS OF DESIGN: nLIGHT ECLYPSE					
ZONE	RELAY #	BUILDING / PANEL / CIRCUIT	0 - 10V DIMMING	OCCUPANCY SENSOR	SCHEDULE
MAINTENANCE SITE LTG	1	MAINT. / MA-2 / C	YES	INTEGRAL TO FIXTURE	1
STUDENT DORM #1 POLE SITE LIGHTING	2	SD1 / SD1-L / C47	YES	INTEGRAL TO FIXTURE	1
STUDENT DORM #1 BOLLARD SITE LIGHTING	3	SD1 / SD1-L / C48	NO	NONE	2
SPARE	4	--	--	--	--

1. IF IN UNOCCUPIED MODE AND AN OCCUPANCY SENSOR IS ACTIVATED, CONTROL ZONE RELAYS SHALL BE ENERGIZED, AND DIMMING FIXTURES SHALL BE RAISED TO FULL OUTPUT FOR 20 MINUTES. DETECTION BY ANY (1) OCCUPANCY SENSOR IN A CONTROL ZONE SHALL ENERGIZE ALL LIGHTING RELAYS WITHIN THAT CONTROL ZONE.
2. THE EC SHALL BE RESPONSIBLE TO TUNE DIM ALL LIGHTING CONTROL RELAYS AT INITIAL START UP, AND THEN AGAIN AT PROJECT COMPLETION. REFER TO SPECIFICATIONS FOR FURTHER DETAILS.
3. SCHEDULES INDICATED BELOW ARE INTENDED TO PROVIDE INFORMATION FOR INITIAL STARTING POINTS. PRIOR TO ANY FINAL PROGRAMMING, CONTRACTOR IS RESPONSIBLE TO COORDINATE FINAL SCHEDULES WITH OWNER.

SCHEDULE #1: ROADWAY LIGHTING
ON: SMTWTFSS 30 MIN BEFORE SUNSET
DIM: SMTWTFSS DIM TO 30% UPON NO MOTION DETECTION

SCHEDULE #2: SITE LIGHTING / PHOTOCCELL ONLY
ON: SMTWTFSS 30 MIN BEFORE SUNSET
OFF: SMTWTFSS 30 MIN AFTER SUNRISE

The diagram illustrates a lighting control system. At the top, three square light fixtures are shown, each labeled "LP-X". Below them, a smaller rectangular device labeled "DS-WX" is shown. Wavy lines represent wireless communication between the fixtures and the DS-WX unit. An arrow points from the DS-WX unit to a larger square box labeled "TYPICAL LIGHT FIXTURE WITH ONBOARD NIGHT AIR CONTROLS...". This box contains a circle with a minus sign. Another arrow points from this box to the text "LIGHTING CIRCUIT AS TAGGED ON FLOOR PLANS."

TYPICAL LIGHT FIXTURE WITH ONBOARD NIGHT AIR CONTROLS, INCLUDING 0-10V DIMMING CONTROL, ON/OFF CONTROL, OCCUPANCY SENSOR, AND/OR PHOTOCELL, AS INDICATED ON THE LIGHTING FIXTURE SCHEDULE. REFER TO FLOOR PLAN FOR LOCATIONS AND QUANTITY.

DIGITAL NIGHT AIR WIRELESS WALL SWITCHES. REFER TO FLOOR PLAN FOR TYPE AND QUANTITY OF SWITCHES, AND REFER TO DIGITAL SWITCH SCHEDULE THIS SHEET FOR DESCRIPTIONS.

LCS1 SEQUENCE OF OPERATION:

1. ALL PROGRAMMING SHALL BE ADJUSTABLE VIA MOBILE INTERFACE
2. ALL ONBOARD OCCUPANCY SENSORS WITHIN THE CONTROL ZONE SHALL BE GROUPED SO THAT MOTION SENSED BY ANY INDIVIDUAL SENSOR ACTIVATES THE ZONE BASED ON OCCUPANCY AS DESCRIBED BELOW.
3. LIGHTS TURN ON TO 50% CAPACITY AUTOMATICALLY UPON SENSING OCCUPANCY, OR AS INDICATED IN DIGITAL SWITCH SCHEDULE.
 - FIXTURES IN ZONES SERVING CORRIDORS, LOBBIES, WAITING ROOMS, TOILET ROOMS, AND SIMILAR PUBLIC AREAS SHALL BE CONFIGURED FOR FULL AUTOMATIC ON OPERATION UPON SENSING OF OCCUPANCY AT ONBOARD FIXTURE SENSORS.
4. LIGHTS ARE MANUALLY CONTROLLED AT THE (DIGITAL SWITCHES) BASED ON FUNCTIONS OF THE DIGITAL SWITCH AS SCHEDULED.
5. LIGHTS AUTOMATICALLY TURN OFF AFTER 20 MINUTES OF NO MOTION WHERE OCCUPANCY SENSING IS USED.
 - FIXTURES IN ZONES SERVING CORRIDORS SHALL AUTOMATICALLY TURN OFF AFTER 60 MINUTES OF NO MOTION.

DRAWING TAG/SYMBOL: LCS1
 § DS-X

LCS1: SINGLE ZONE LIGHTING CONTROL, WHERE ALL FIXTURES WITHIN THE ZONE HAVE ONBOARD NIGHT AIR CONTROLS.

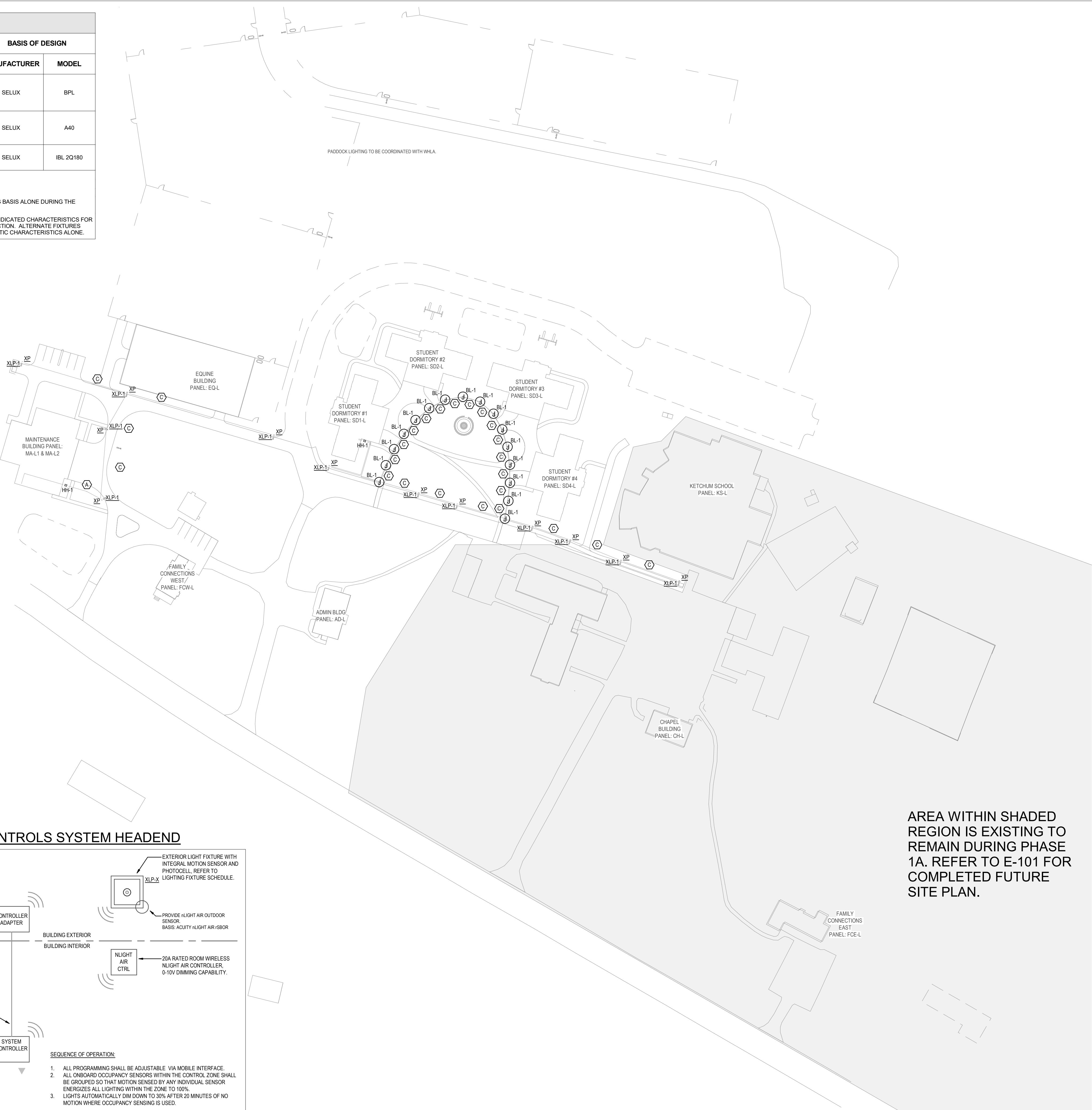
The diagram illustrates the system components and their interconnections. On the left, a list of components and their specifications is provided:

- PROVIDE A SYSTEM CONTROLLER ADAPTER, INSTALLED ON THE EXTERIOR OF THE BUILDING CONNECTED TO THE SYSTEM CONTROLLER WITH CABLEING PER MANUFACTURER, TO NETWORK ALL SITE LIGHTING/NIGHT DEVICES
- BASIS: ACUITY NIGHT AIR ADAPTER
- PROVIDE 1" CONDUIT AND MANUFACTURER SUPPLIED CABLEING BETWEEN SYSTEM CONTROLLER AND CONTROLLER ADAPTER
- PROVIDE 120V/20A CIRCUIT AND DATA CABLE TO THE SYSTEM CONTROLLER.
- LIGHTING SYSTEM CONTROLLER, INSTALL IN ELECTRIC ROOM WITHIN NEMA 1 ENCLOSURE MOUNTED TO WALL. PROVIDE BAGNET INTERFACE TO CONNECT TO BAS SYSTEM. (BASIS: ACUITY NIGHT ECLIPSE)
- PROVIDE DATA JACK AND (1) COMMUNICATIONS CABLE AT SYSTEM CONTROLLER

On the right, a schematic diagram shows the building's exterior and interior. The exterior contains a 'CONTROLLER ADAPTER' and an 'EXTERIOR LIGHT FIXTURE WITH INTEGRAL MOTION SENSOR AND PHOTOCELL'. The interior contains a 'SYSTEM CONTROLLER' and a 'NIGHT AIR CTRL' unit. A '20A RATED ROOM WIRELESS NIGHT AIR CONTROLLER, 0-10V DIMMING CAPABILITY.' is also shown. Arrows indicate the flow of data and power between these components.

SEQUENCE OF OPERATION:

1. ALL PROGRAMMING SHALL BE ADJUSTABLE VIA MOBILE INTERFACE.
2. ALL ONBOARD OCCUPANCY SENSORS WITHIN THE CONTROL ZONE SHALL BE GROUPED SO THAT MOTION SENSED BY ANY INDIVIDUAL SENSOR ENERGIZES ALL LIGHTING WITHIN THE ZONE TO 100%.
3. LIGHTS AUTOMATICALLY DIM DOWN TO 30% AFTER 20 MINUTES OF NO MOTION WHERE OCCUPANCY SENSING IS USED.



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518,326.0369

STUDENT
DORMITORY

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BURNT HILLS, NY 12027

Description	Date
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RESS:

SCHEMATIC DESIGN	DESIGN DEVELOPMENT	CONSTRUCTION DOCUMENTS
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ct Number 2

n by

asked by

09/25/

ELECTRICAL SITE PHASE 1A LIGHTING PLAN

E-103

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ARCHITECTURE

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PHASE 1A IMPROVEMENT

322 LAKE HILL RD,
BURNT HILLS, NY 12027

Description	Date
PEER REVIEW	10/0

SCHEMATIC DESIGN	DESIGN DEVELOPMENT	CONSTRUCTION DOCUMENTS
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ject Number

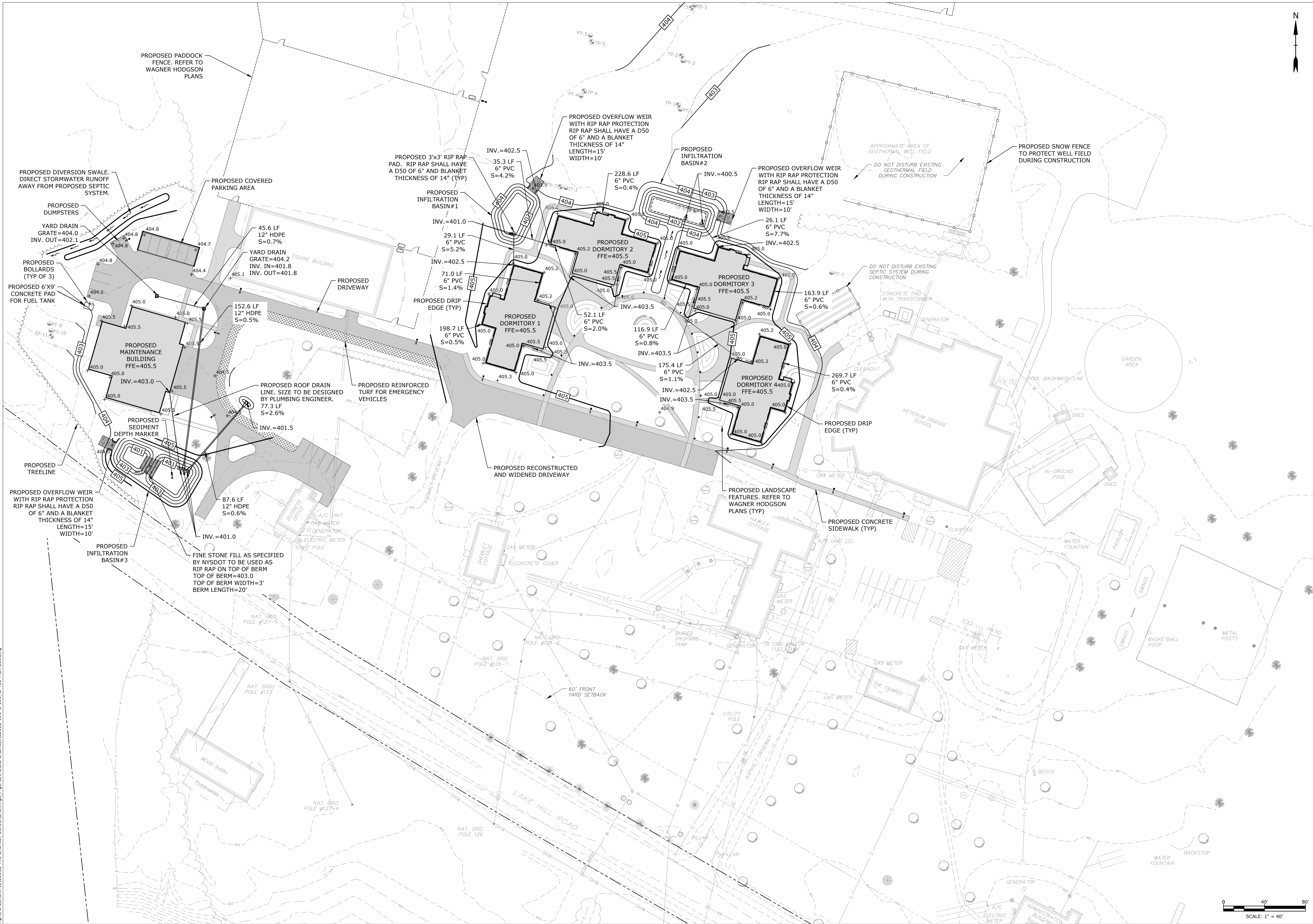
CJF

checked by

09/0

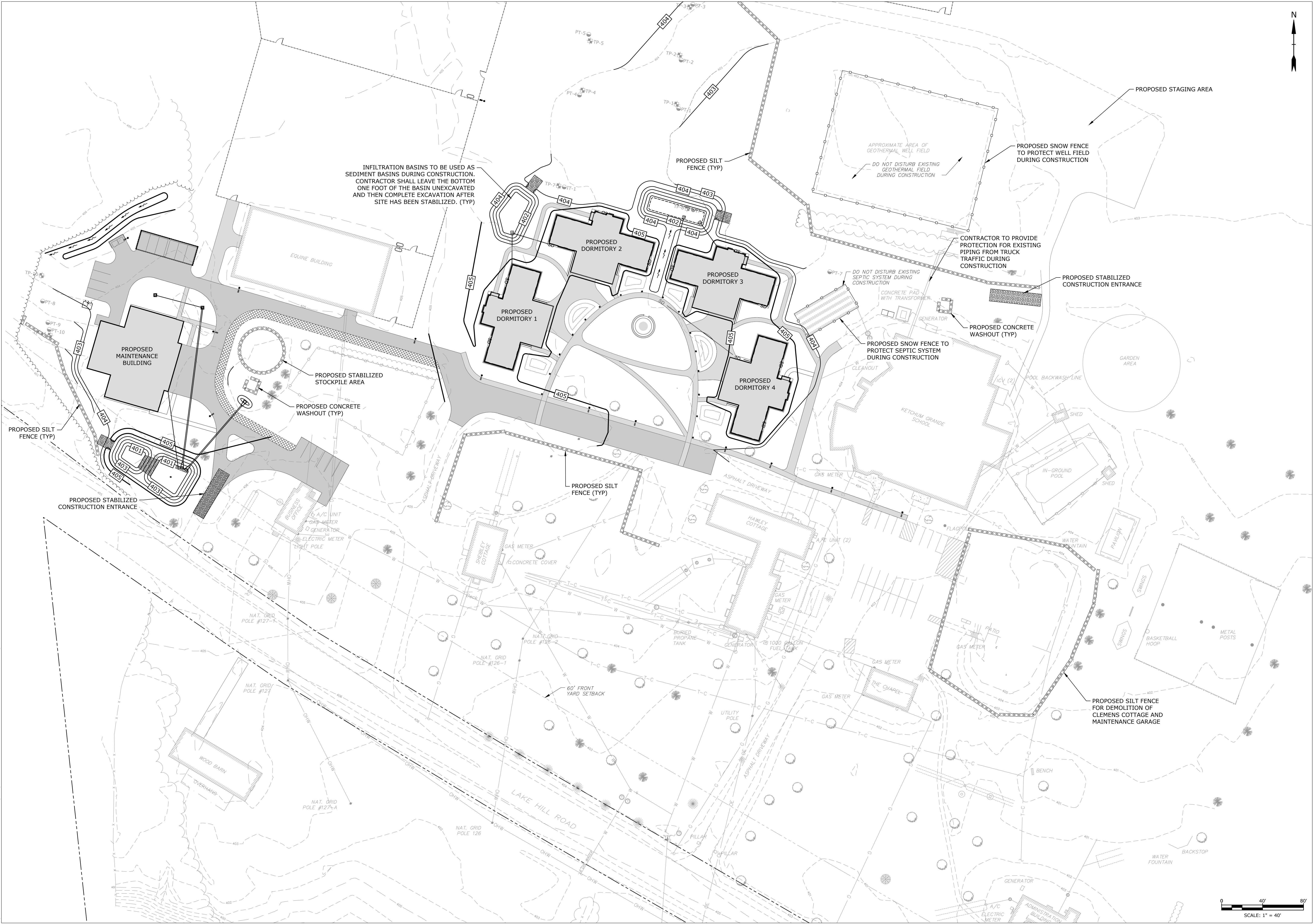
SITE GRADING DRAINAGE PLAN

C-300



Plotted On: Oct 05, 2023 3:46pm By: RLewis
Title & Bond: C:\C5112 The Chardon School Drawings
Last Saved: 10/5/2023
C:\C5112-001-C-100-C-400-Plan Set.dwg

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Plotted On: 05/05/2023 3:46pm By: Rlw
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IMPROVEMENTS**

322 LAKE HILL RD,
BURNT HILLS, NY 12027

No.	Description	Date
1	PEER REVIEW	10/05/23

PROGRESS:	DESIGN:	CONSTRUCTION:
SCHEMATIC	DESIGN	DOCUMENTS

Project Number 2234

Drawn by CJR/RQL

Checked by BKN

Date 09/01/23

**EROSION &
SEDIMENT
CONTROL PLAN**

C-301

7/5/2023 11:56:15 AM

NOTES

1. DESIGN VEHICLE REPRESENTS TOWN OF CHARLTON FIRE DEPARTMENT APPARATUS BASED ON COMMUNICATION WITH FIRE CHIEF.

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322 LAKE HILL RD.
BURNT HILLS, NY 12027

No.	Description	Date
1	PEER REVIEW	10/06/23

PROGRESS	DESIGN	CONSTRUCTION
SCHEMATIC	DESIGN	DOCUMENTS

Project Number 2234

Drawn by C.J.R/V.Q.L.

Checked by B.K.N.

Date 09/01/23

EMERGENCY
VEHICLE TURNING
MOVEMENT PLAN

C-302

7/5/2023 11:56:15 AM

Last Saved: 10/5/2023
Plotted On: 05/05/2023 3:48pm By: R. Lewis
Tighe & Bond\JLT\CS112 The Charlton School\Drawings - Figures\AutoCAD\Sheet\CS112-001-C-100_C-400_Plan Set.dwg

MATCH LINE - SEE SHEET C-401

MATCH LINE - SEE SHEET C-401

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No.	Description	Date
1	PEER REVIEW	10/05/23

PROGRESS:	DESIGN	CONSTRUCTION
SCHEMATIC	DESIGN	DOCUMENTS

Project Number 2234

Drawn by CJR/RQL

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Date 09/01/23

UTILITY PLAN - 1

C-400

7/5/2023 11:56:15 AM

Last Saved: 10/5/2023
Plotted On: 09/05/2023 4:03pm By: Rlwies
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No.	Description	Date
1	PEER REVIEW	10/05/23

PROGRESS	DESIGN	CONSTRUCTION
SCHEMATIC DESIGN	DESIGN DEVELOPMENT	CONSTRUCTION DOCUMENTS

Project Number 2234

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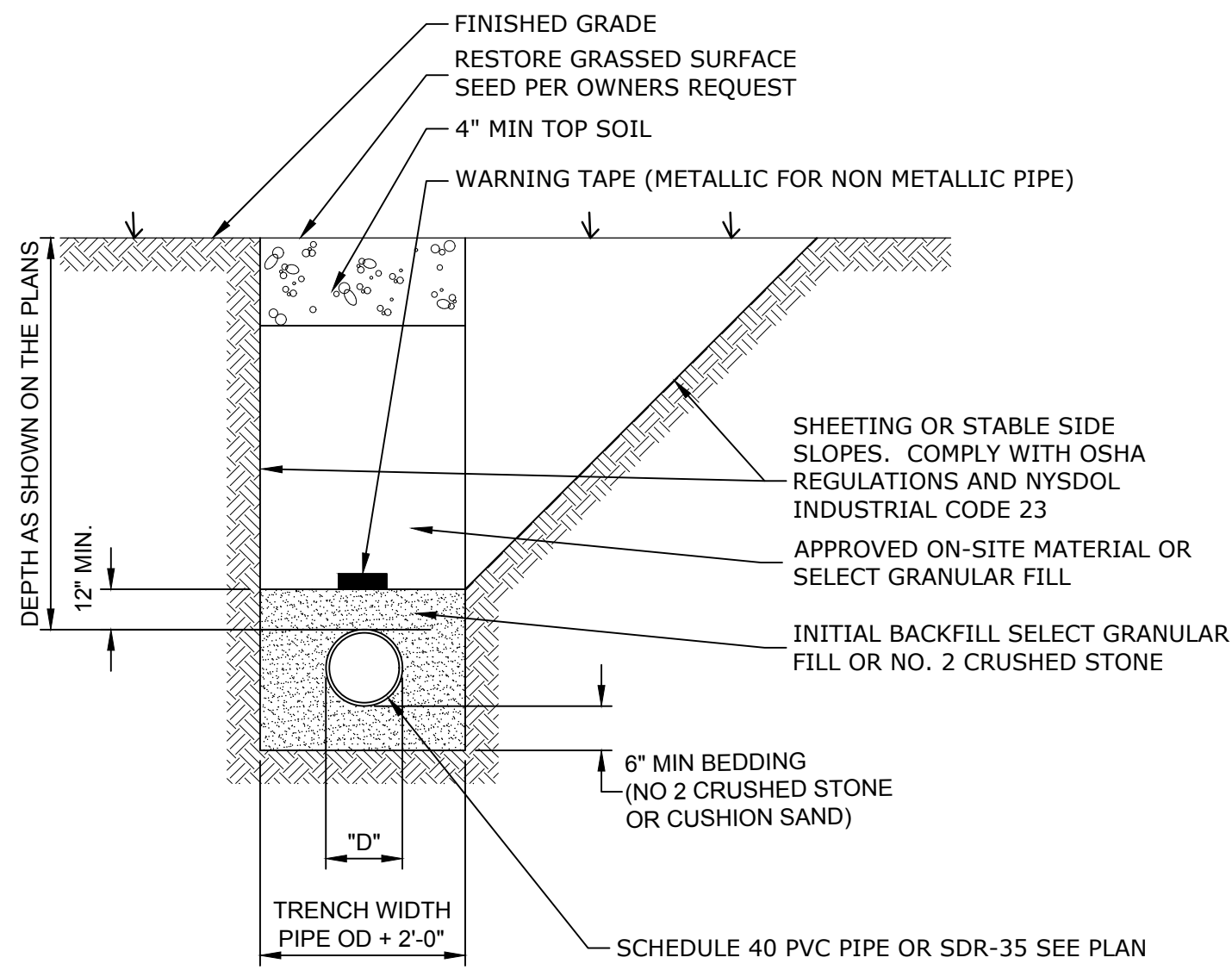
Date 09/01/23

UTILITY PLAN - 2

C-401

7/5/2023 11:56:15 AM

Last Saved: 10/5/2023
Plotted On: 05-05-2023 11:08am By: C.Rokos
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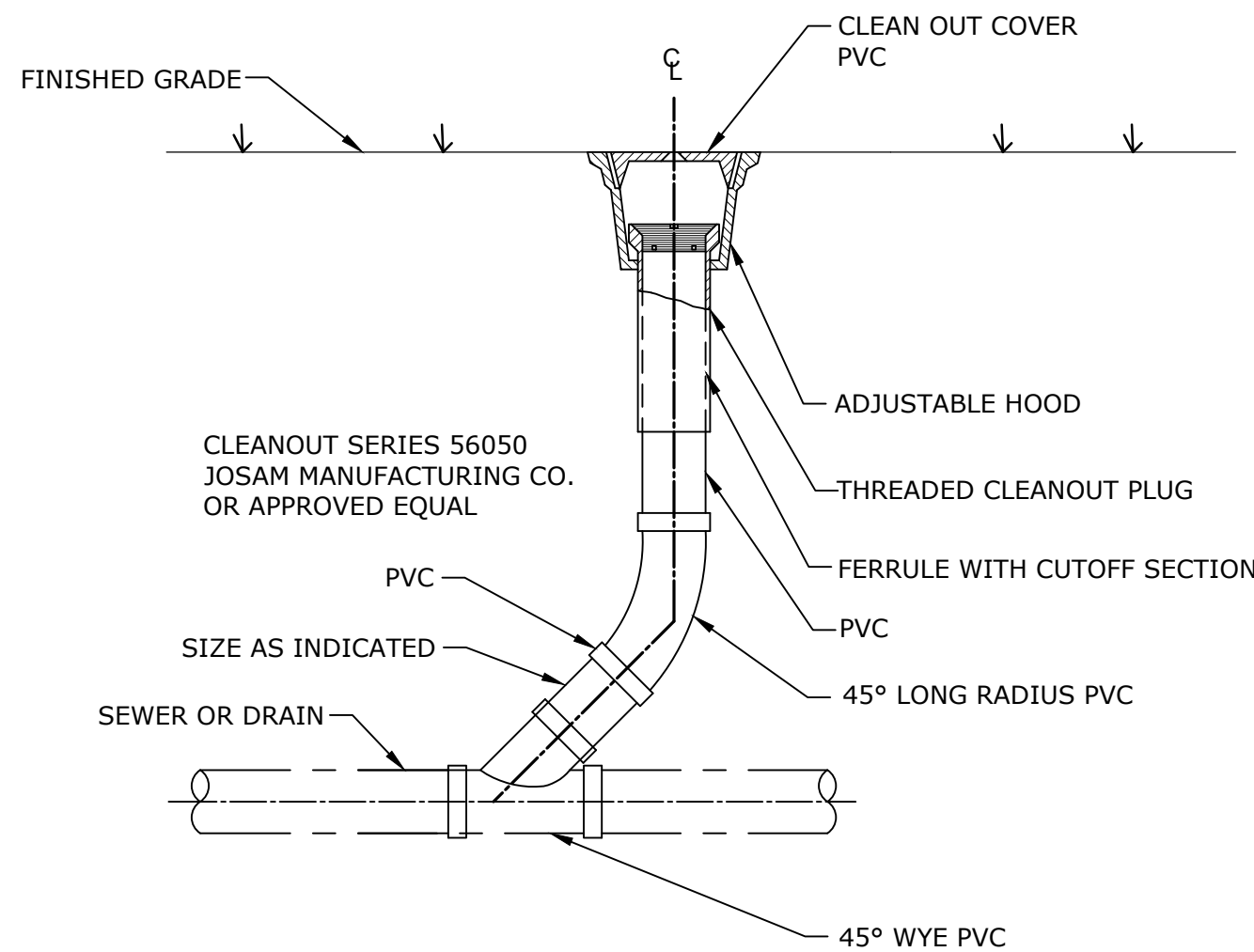


NOTES

1. COMPACT ALL BACKFILL TO 95% PROCTOR (ASTM D1557).

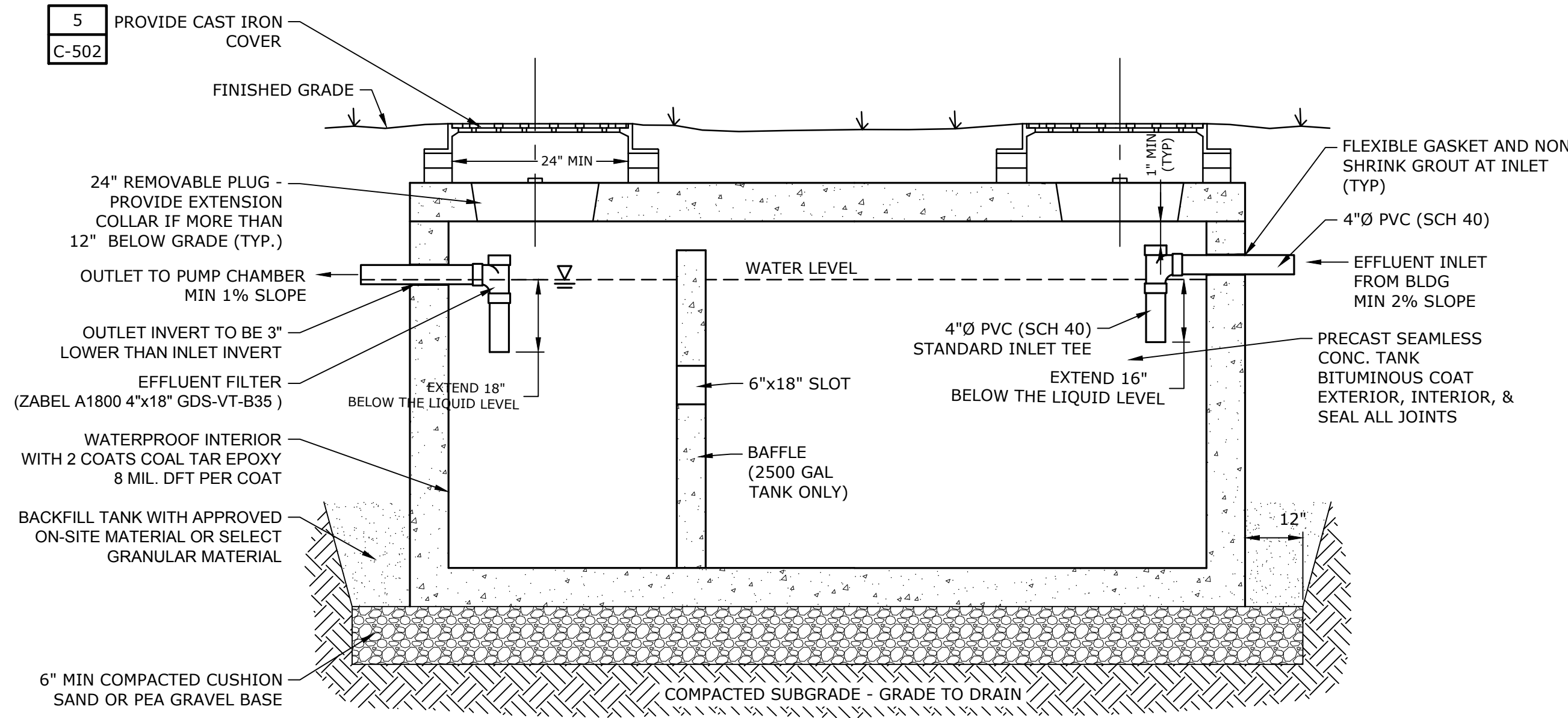
TYPICAL SANITARY TRENCH

DETAIL	1
NO SCALE	-



TYPICAL PVC CLEANOUT

DETAIL	4
NO SCALE	-



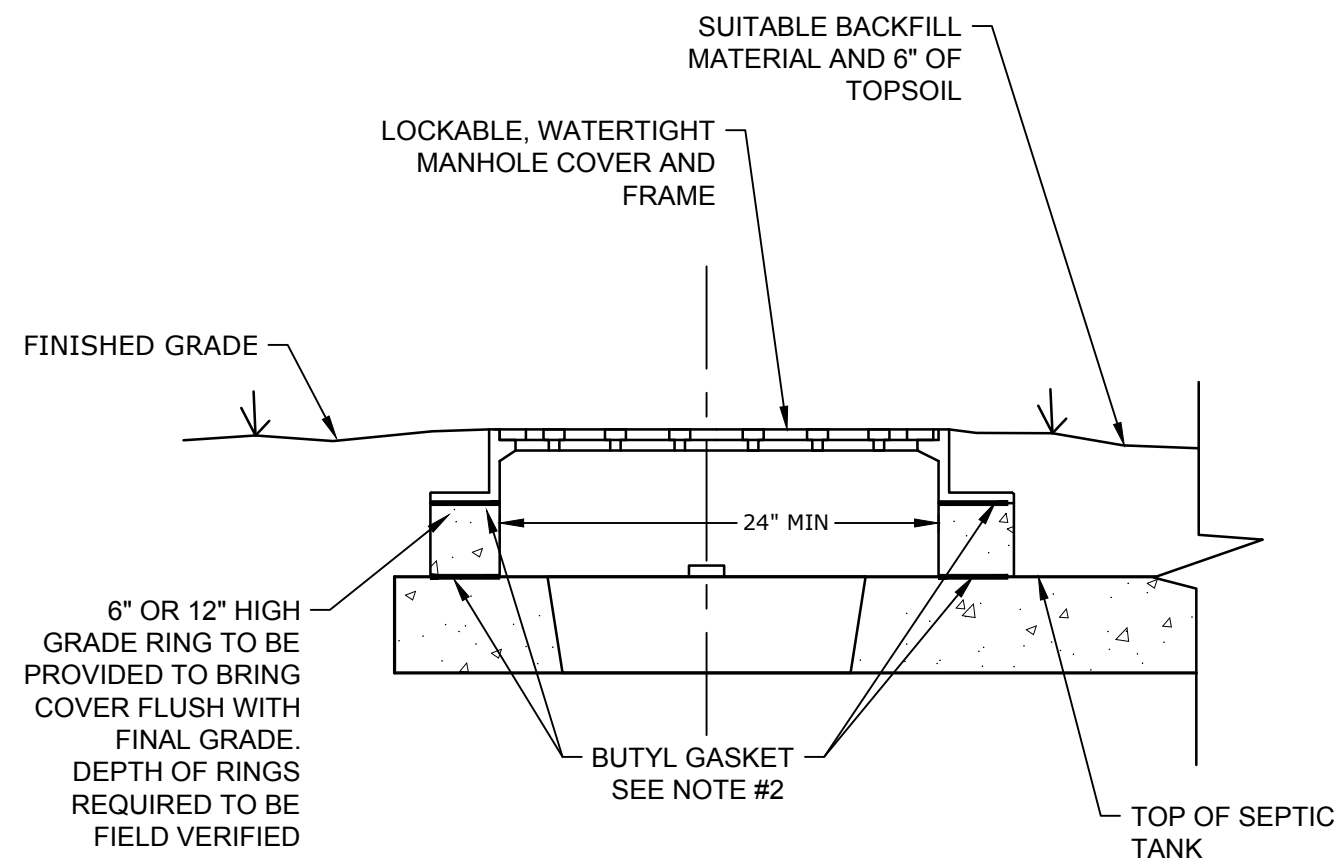
NOTES

1. SEPTIC TANK TO BE FORT MILLER CO OR APPROVED EQUAL, PRECAST CONCRETE 4000 PSI @ 28 DAYS.
2. WATERPROOF EXTERIOR INCLUDING RISERS; WATER TEST FOR LEAKS PRIOR TO BACKFILL.
3. EFFLUENT FILTER SHALL BE CERTIFIED NSF STANDARD 46.
4. EFFLUENT FILTER SHALL BE SERVICED CONSISTENT WITH MANUFACTURERS RECOMMENDATIONS. EVERY 2 TO 5 YEARS BY A CERTIFIED SEPTIC TANK PUMPER OR INSTALLER.
5. THERE SHALL BE A MINIMUM OF ONE INCH CLEARANCE BETWEEN THE UNDERSIDE OF THE TOP OF THE TANK AND THE TOP OF ALL BAFFLES, PARTITION AND/OR TEES TO PERMIT VENTING OF TANK GASES.
6. COORDINATE SEPTIC TANK VENT WITH ARCHITECT.

SEPTIC TANK DIMENSIONS						
SIZE	LENGTH	WIDTH	HEIGHT	A	B	
1000 GAL	8'-2"	4'-3"	6'-10"	5'-8"	5'-5"	
2500 GAL	13'-0"	7'-0"	6'-11"	5'-8"	5'-5"	

PRECAST CONCRETE SEPTIC TANK

DETAIL	2
NO SCALE	-

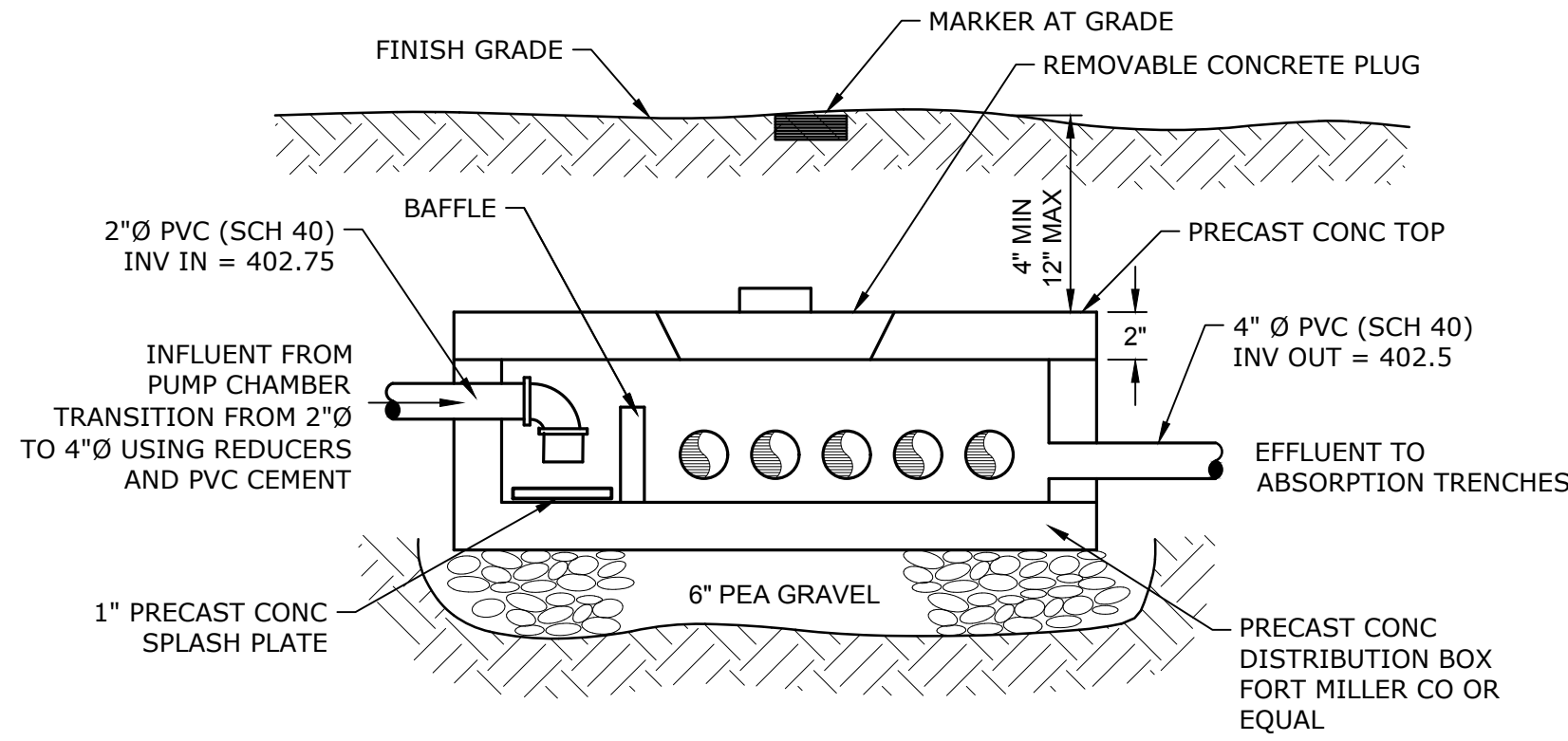


NOTES

1. MANHOLE COVER AND FRAME IS TO BE 24" REVOLUTION BOLTED AND GASKETED WATER TIGHT L1 ACCESS ASSEMBLY 5" TALL FRAME SANITARY SEWER. PRODUCT NUMBER 00104174R01 AS MANUFACTURED BY EJ CASTINGS, OR APPROVED EQUAL.
2. BUTYL GASKET TO BE PROVIDED BETWEEN ALL ELEMENTS THAT ARE NOT ALREADY WATER TIGHT. GASKET SHALL BE PROVIDED BETWEEN GRADE RING AND TOP OF TANK AND BETWEEN CAST IRON FRAME AND GRADE RING.

MANHOLE FRAME AND COVER

DETAIL	5
NO SCALE	-

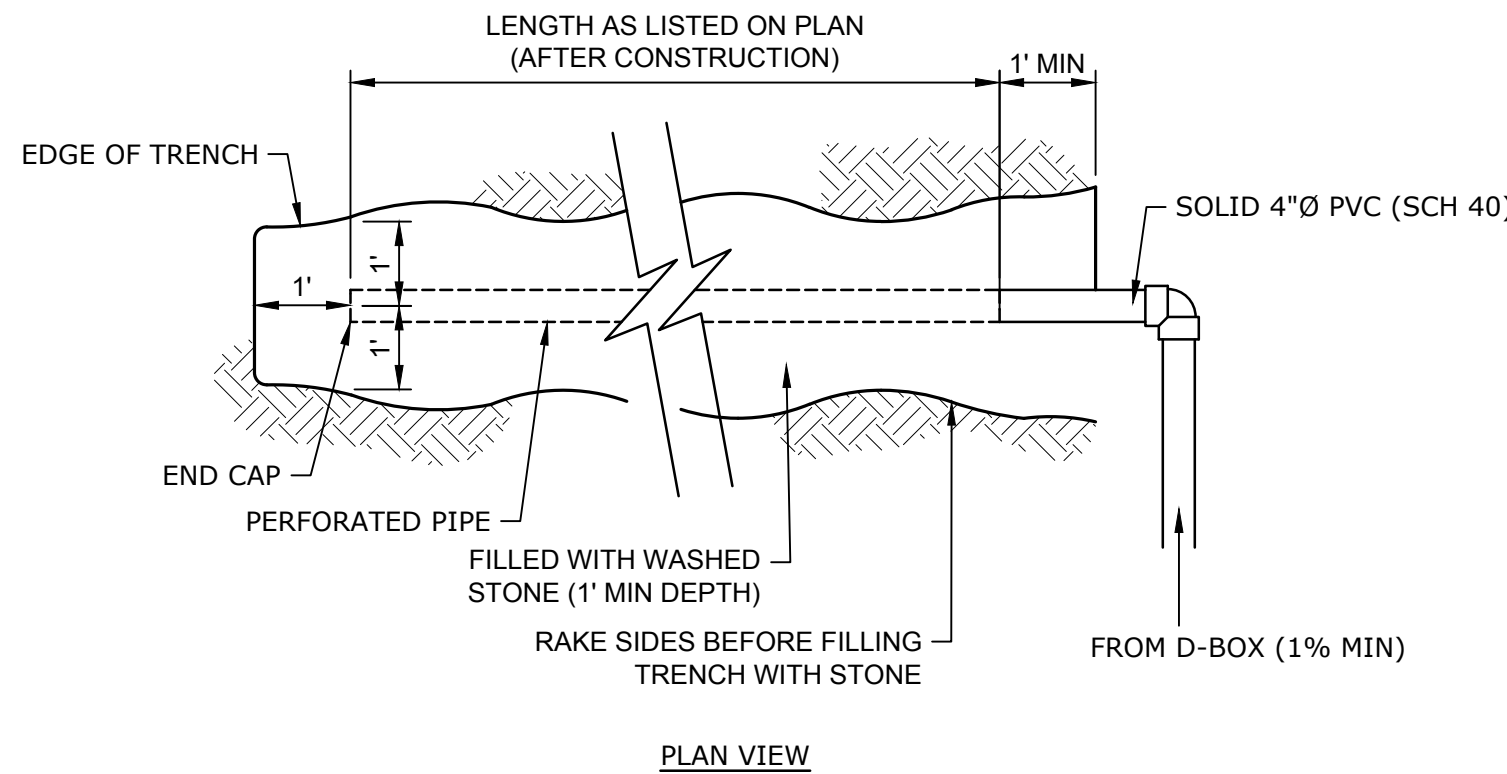


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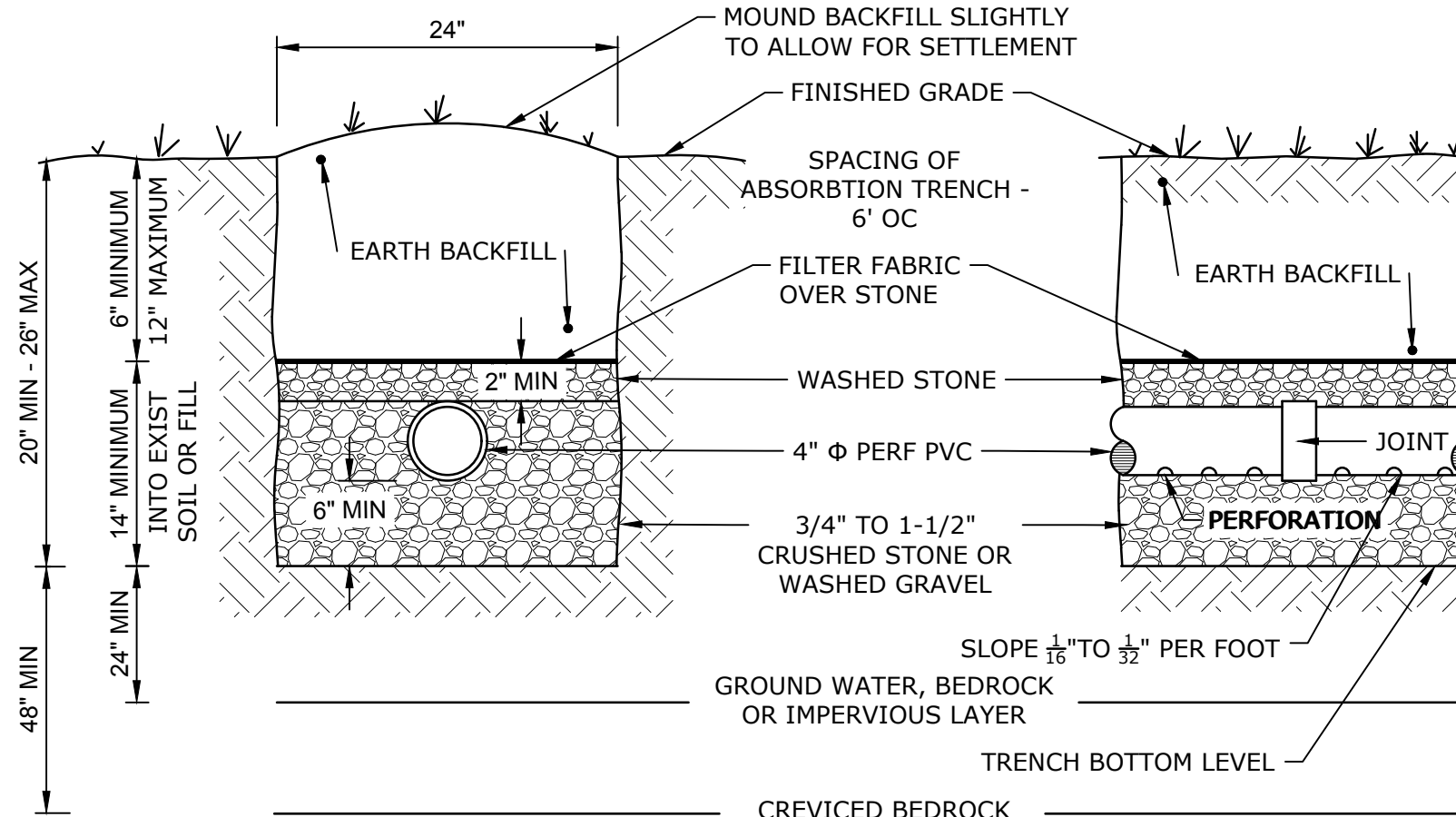
1. DISTRIBUTION BOX DETAIL AND SPECIFICATIONS SHOWN PER "13 OUTLET - #3 DISTRIBUTION BOX", MANUFACTURED BY FORT MILLER CO.
2. SPEED LEVELERS ARE TO BE PROVIDED ON EVERY OUTLET.
3. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
4. BAFFLE SHALL BE PRECAST WITH DISTRIBUTION BOX
5. DISTRIBUTION BOX SHOULD BE SET ON 6" OF PEA GRAVEL OR GRAVEL BEDDING

DORMITORY BUILDING PRECAST CONCRETE DISTRIBUTION BOX

DETAIL	3
NO SCALE	-



PLAN VIEW



CROSS SECTIONAL VIEW

LONGITUDINAL VIEW

TYPICAL ABSORPTION TRENCH DETAIL

DETAIL	6
NO SCALE	-

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PHASE 1A IMPROVEMENTS

322 LAKE HILL RD,
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No.	Description	Date
1	PEER REVIEW	10/05/23

PROGRESS:	DESIGN	CONSTRUCTION
SCHEMATIC DESIGN	DESIGN DEVELOPMENT	DOCUMENTS

Project Number 2234

Drawn by CJR/RQL

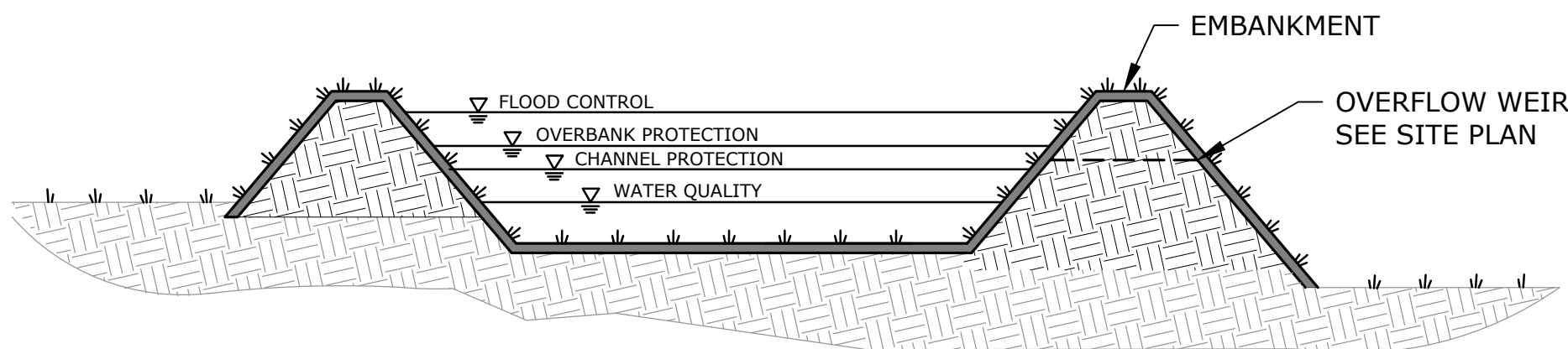
Checked by BKN

Date 09/01/23

SITE DETAILS - 2

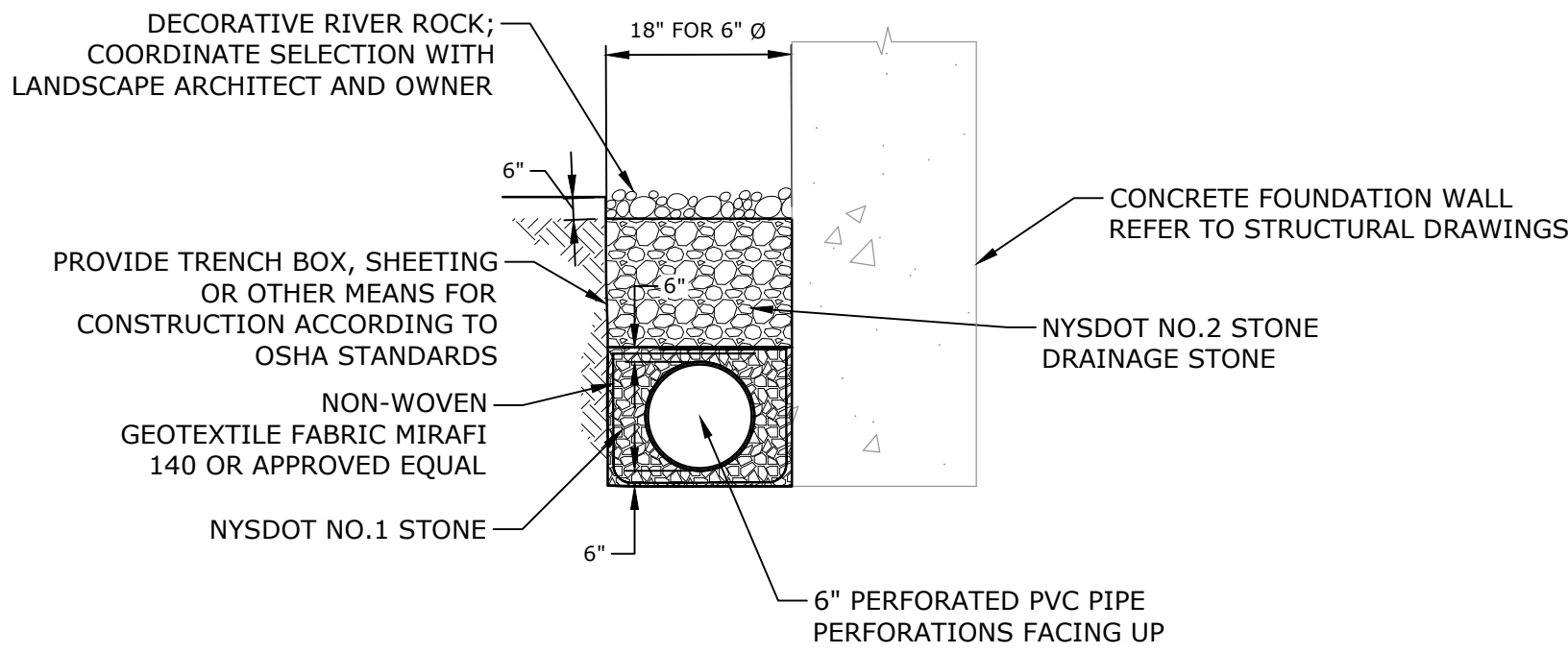
C-502

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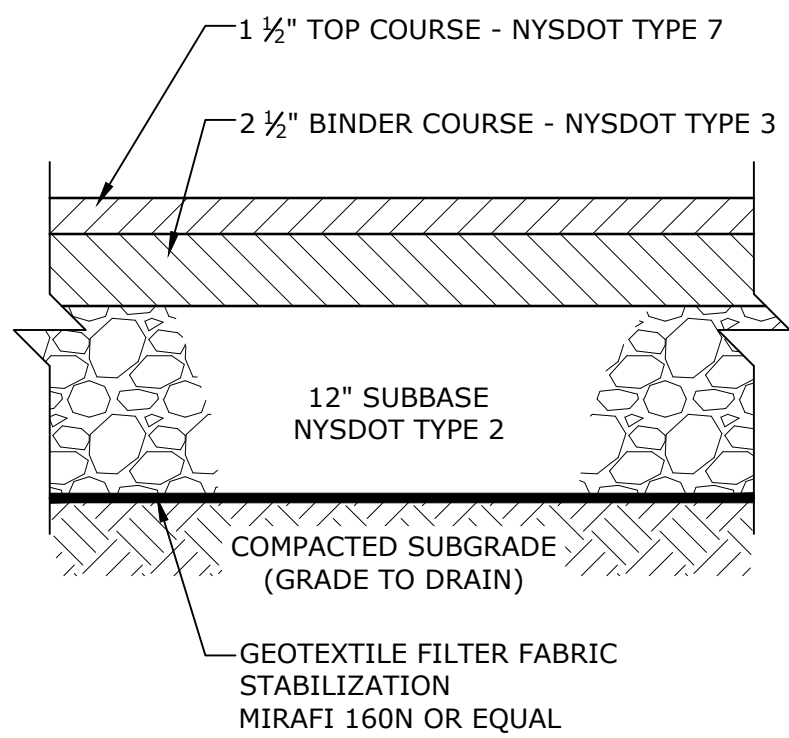
INFILTRATION BASIN PROFILE

DETAIL	4
NO SCALE	-



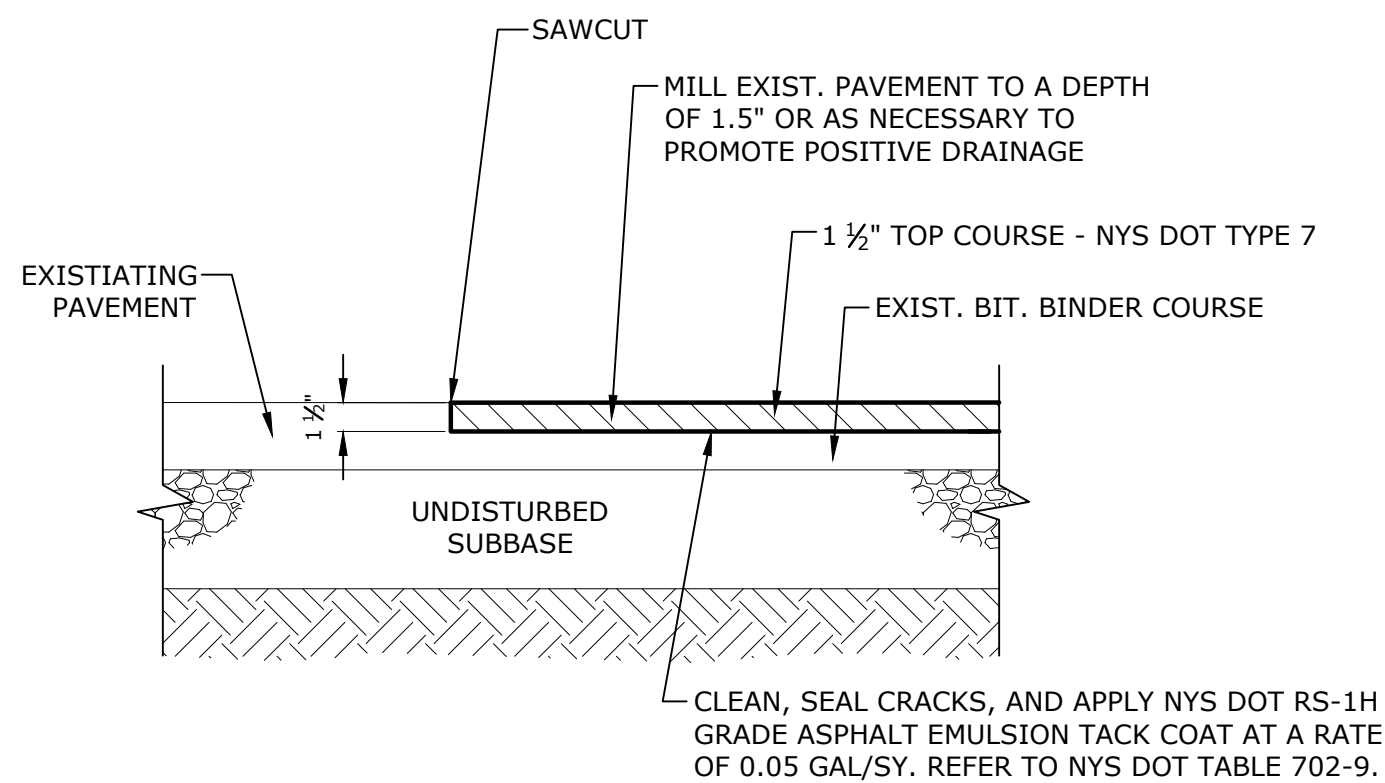
NOTES

- SEE SITE GRADING AND DRAINAGE PLAN FOR PIPE SIZE AND TYPE.
- PROVIDE 1' MINIMUM COVER FOR STORMWATER PIPES.
- COMPACT ALL BACKFILL MATERIAL WITH VIBRATORY PLATE EQUIPMENT (MINIMUM TWO PASSES) TO A MINIMUM DENSITY OF 95 PERCENT OF THE STANDARD PROCTOR DENSITY AS DETERMINED BY ASTM D698.
- PLACE BACKFILL MATERIAL IN MAXIMUM ONE FOOT LIFTS.
- FOR PIPES LESS THAN 24" IN DIAMETER THE TRENCH WIDTH SHALL BE 3.0'. FOR PIPES 24" IN DIAMETER AND GREATER, TRENCH WIDTH SHALL BE THE PIPE DIAMETER + 2.0'.



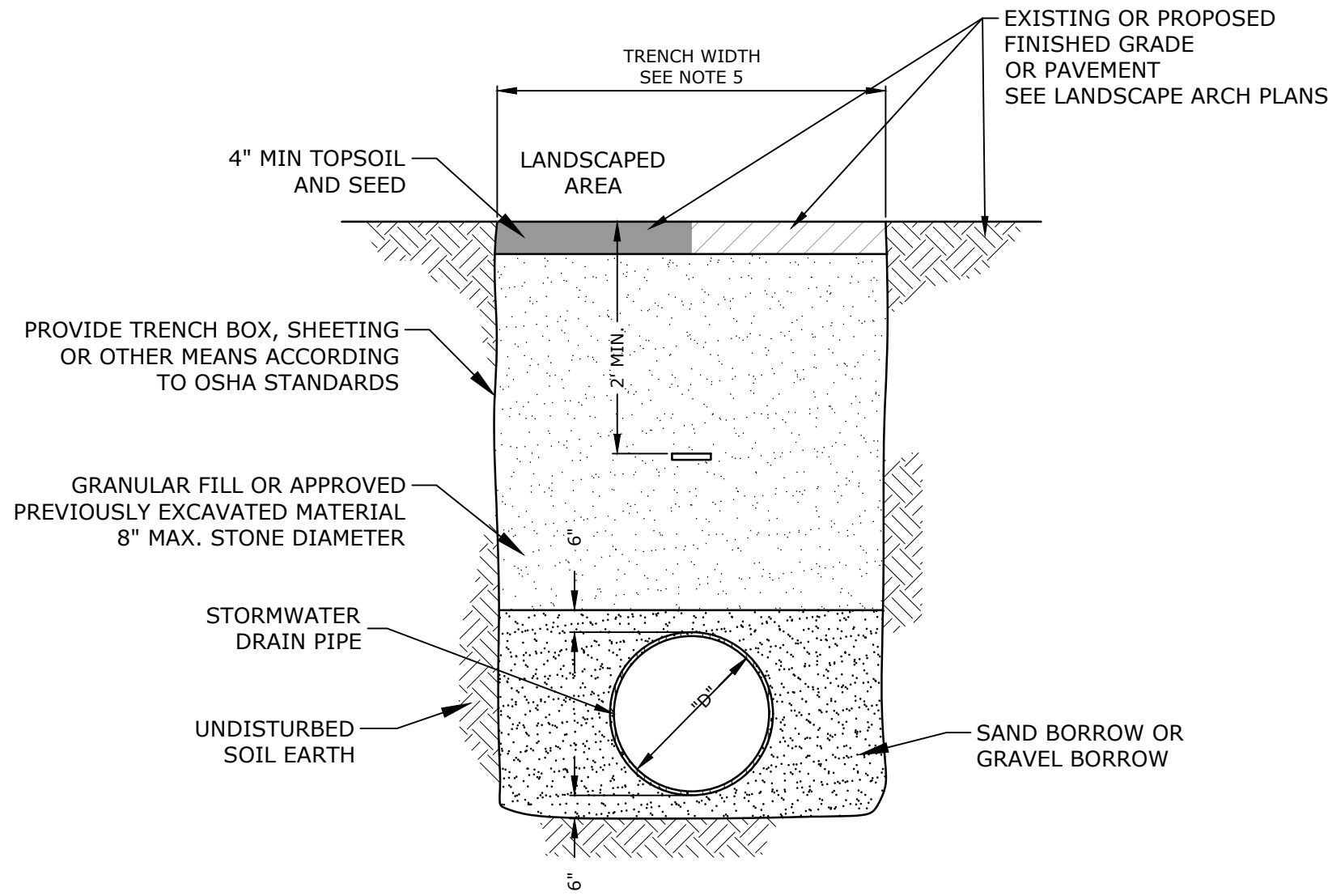
BITUMINOUS CONCRETE PAVEMENT

DETAIL	5
NO SCALE	-



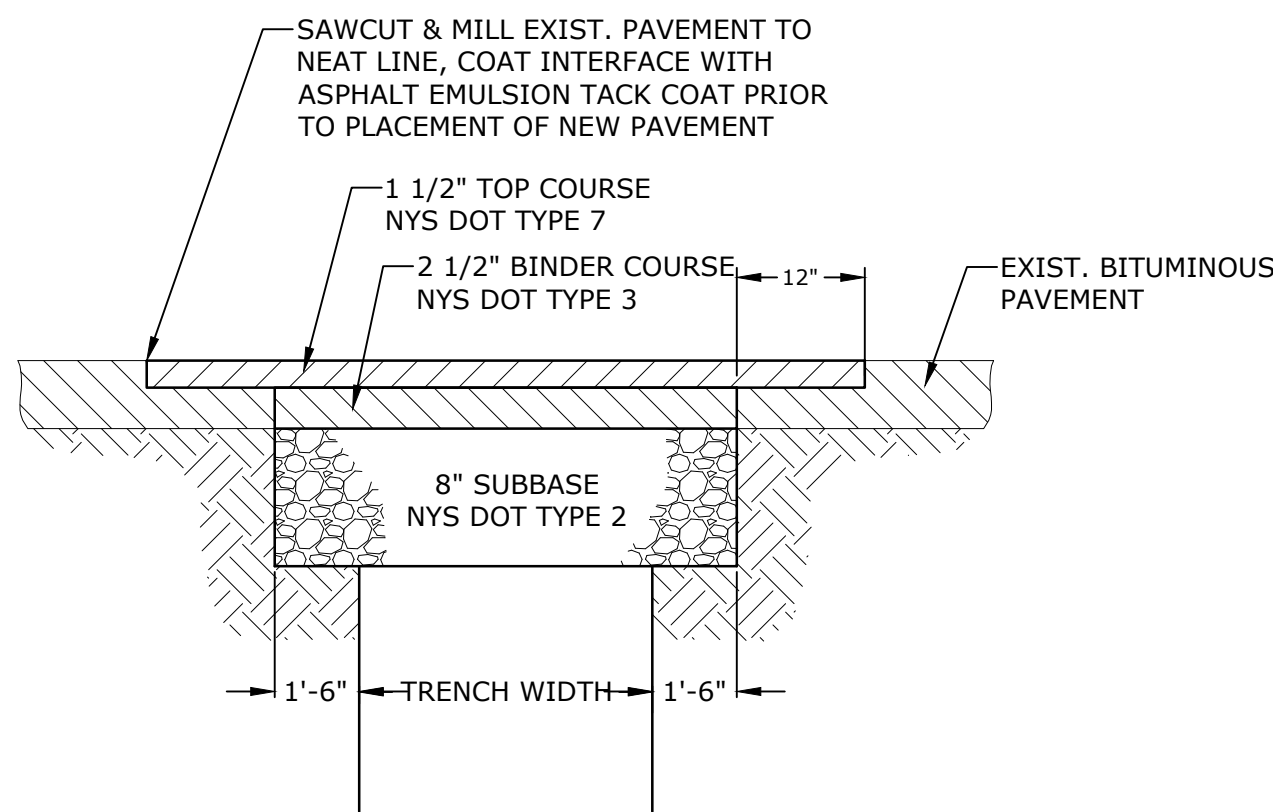
PAVEMENT OVERLAY

DETAIL	6
NO SCALE	-



NOTES

- SEE UTILITY PLAN FOR PIPE SIZE AND TYPE.
- PROVIDE 1' MINIMUM COVER FOR STORMWATER PIPES.
- COMPACT ALL BACKFILL MATERIAL WITH VIBRATORY PLATE EQUIPMENT (MINIMUM TWO PASSES) TO A MINIMUM DENSITY OF 95 PERCENT OF THE STANDARD PROCTOR DENSITY AS DETERMINED BY ASTM D698.
- PLACE BACKFILL MATERIAL IN MAXIMUM ONE FOOT LIFTS.



TYPICAL STORMWATER TRENCH

DETAIL	3
NO SCALE	-

- NOTES:
- ALL BITUMINOUS CONCRETE, SUBBASE NYS DOT TYPE 2, AND LIQUID BITUMEN SHALL CONFORM TO THE MATERIALS, EQUIPMENT AND SPECIFICATION REQUIREMENTS IN CTDOT FROM 816, INCLUDING ALL ADDENDA.
 - THE CONTRACTOR SHALL MAINTAIN A MINIMUM 15' WIDE TRAVEL WAY AT ROAD CROSSINGS AT ALL TIMES DURING CONSTRUCTION. THE USE OF STEEP PLATES IS PERMITTED.

TRENCH REPAIR

DETAIL	7
NO SCALE	-

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No.	Description	Date
1	PEER REVIEW	10/05/23

PROGRESS:	DESIGN	CONSTRUCTION
SCHEMATIC	DESIGN	DOCUMENTS

Project Number 2234

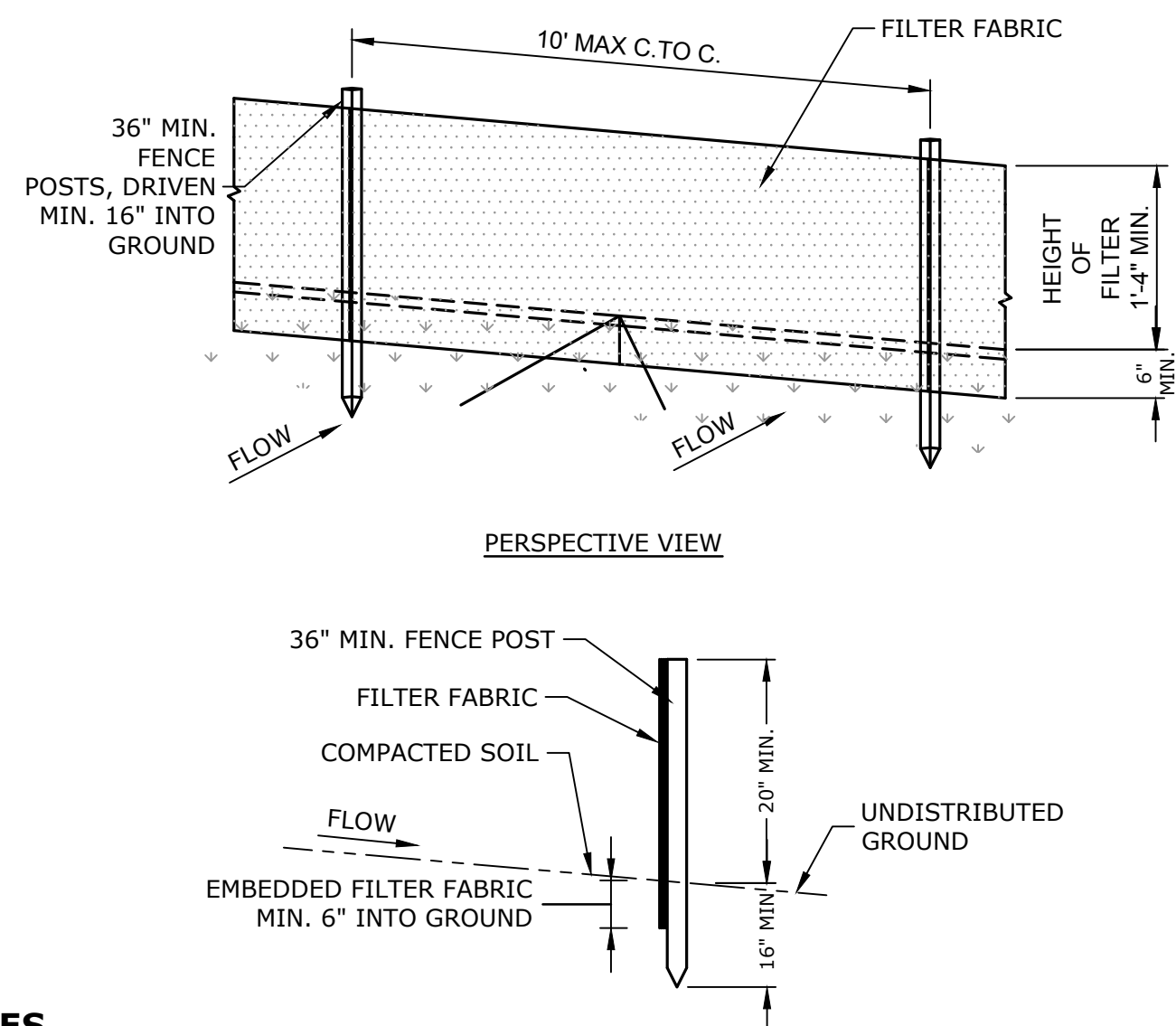
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Date 09/01/23

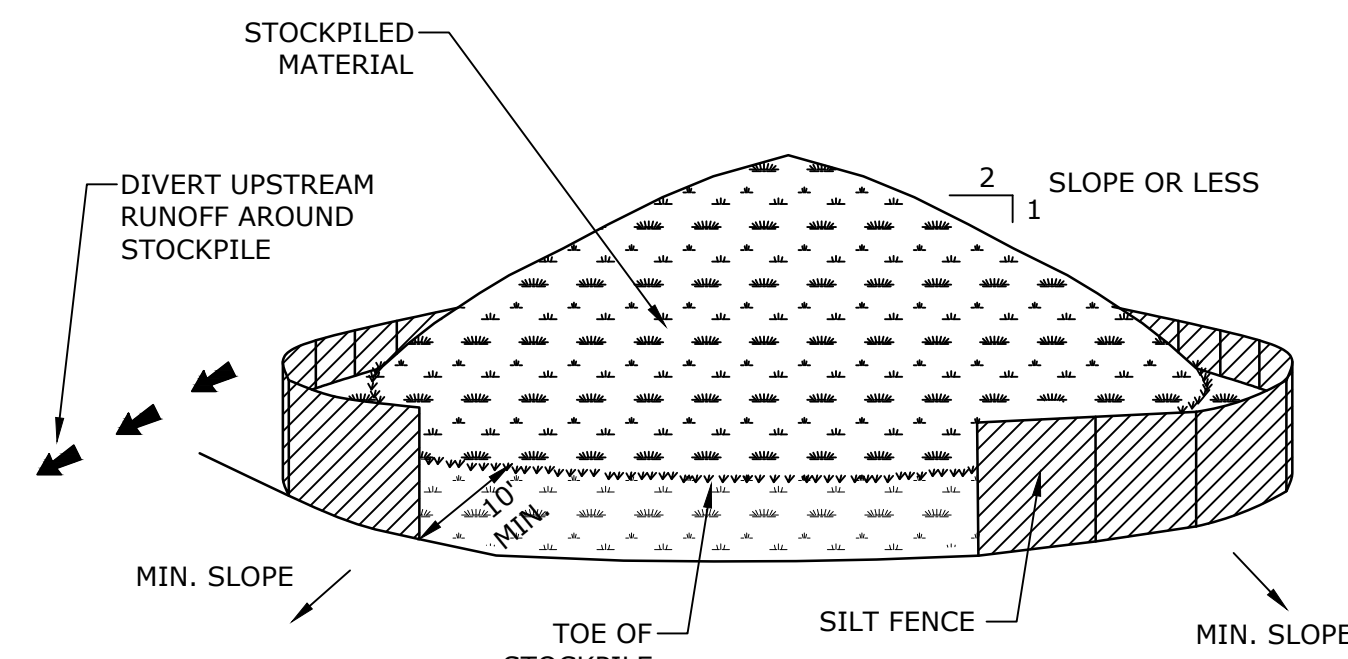
SITE DETAILS - 3

C-503



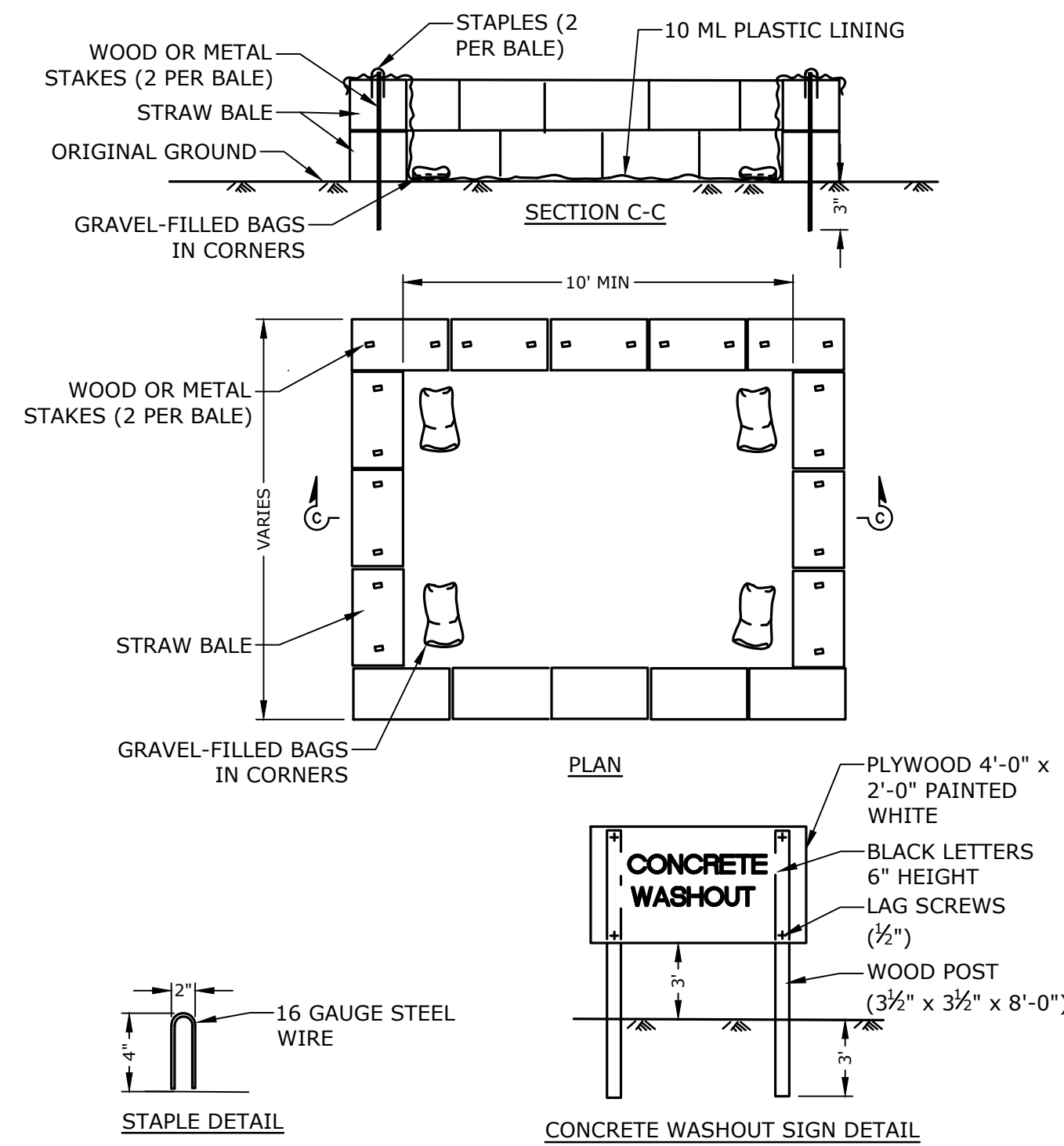
NOTES

1. POSTS: STEEL EITHER "1" OR "U" TYPE OR SOUND HARDWOOD WITH A CROSS SECTIONAL AREA EQUAL TO 3.0 SQUARE INCHES
2. FILTER FABRIC: TENCATE MIRAFI 100X OR APPROVED EQUAL.
3. SILT FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
4. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
6. TYPES OF SILT FENCE AS SHOWN IN THE SILT FENCE SLOPE TABLE ARE AS DEFINED BY THE NEW YORK STATE STANDARDS AND SPECIFICATION FOR EROSION AND SEDIMENT CONTROL DATED NOVEMBER 2016 OR CURRENT.

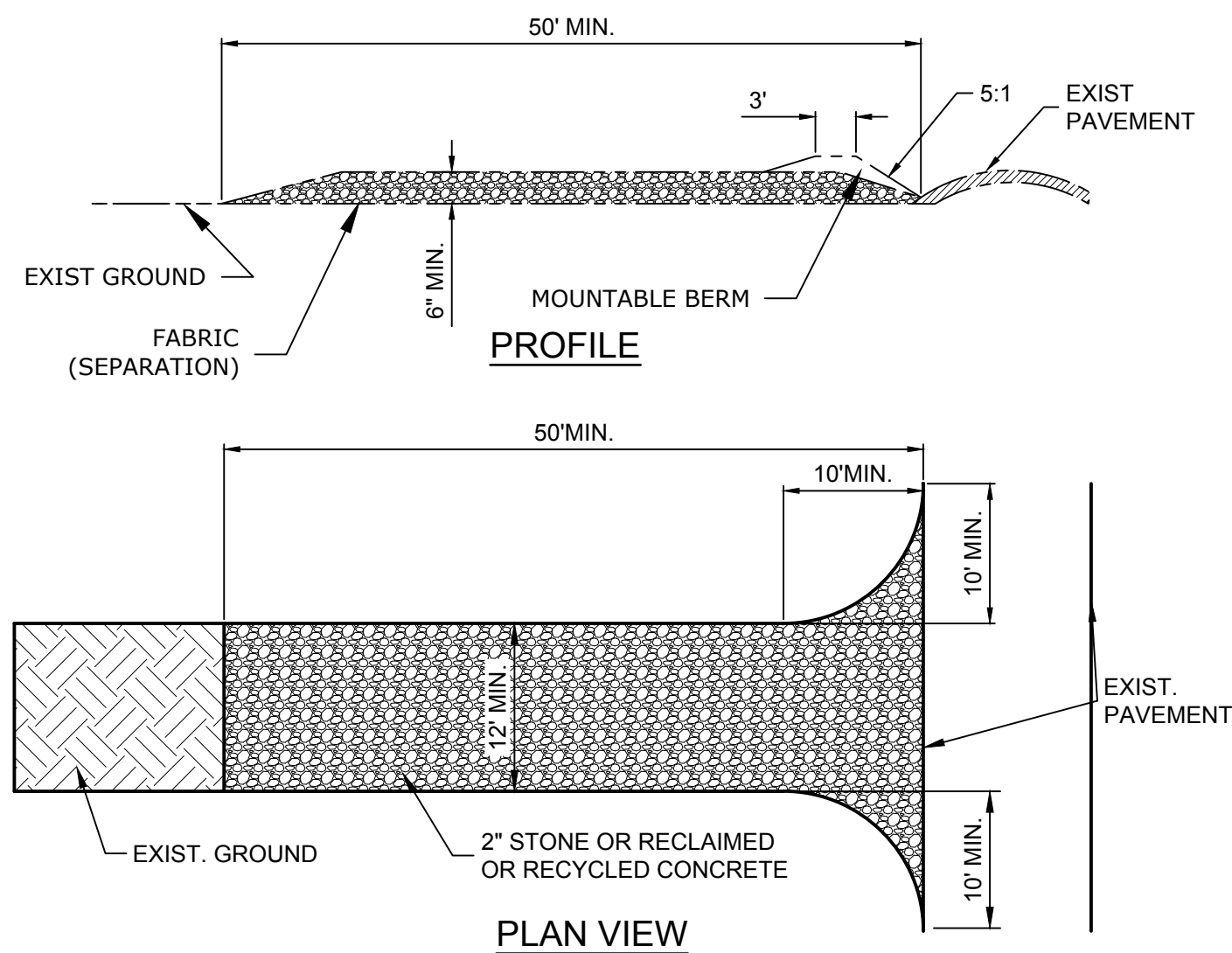


NOTES

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2H:1V.
3. SILT FENCE TO EXTEND AROUND ENTIRE PERIMETER OF STOCKPILE OR TO EXTEND AROUND DOWNSTREAM PORTION IF STOCKPILE IS ON SLOPE.
4. TOPSOIL AND FILL THAT IS TO REMAIN STOCKPILE ON-SITE FOR PERIODS GREATER THAN 14 DAYS SHALL BE STABILIZED BY SEEDING. PRIOR TO SEEDING, THE STOCKPILE TOPSOIL MATERIALS SHALL BE GRADED AS NEEDED TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. IN NO CASE SHALL MATERIALS BE STOCKPILED WITHIN 25 FEET OF ANY DITCH, STREAM OR OTHER SURFACE WATER.



DETAIL	1
NO SCALE	-

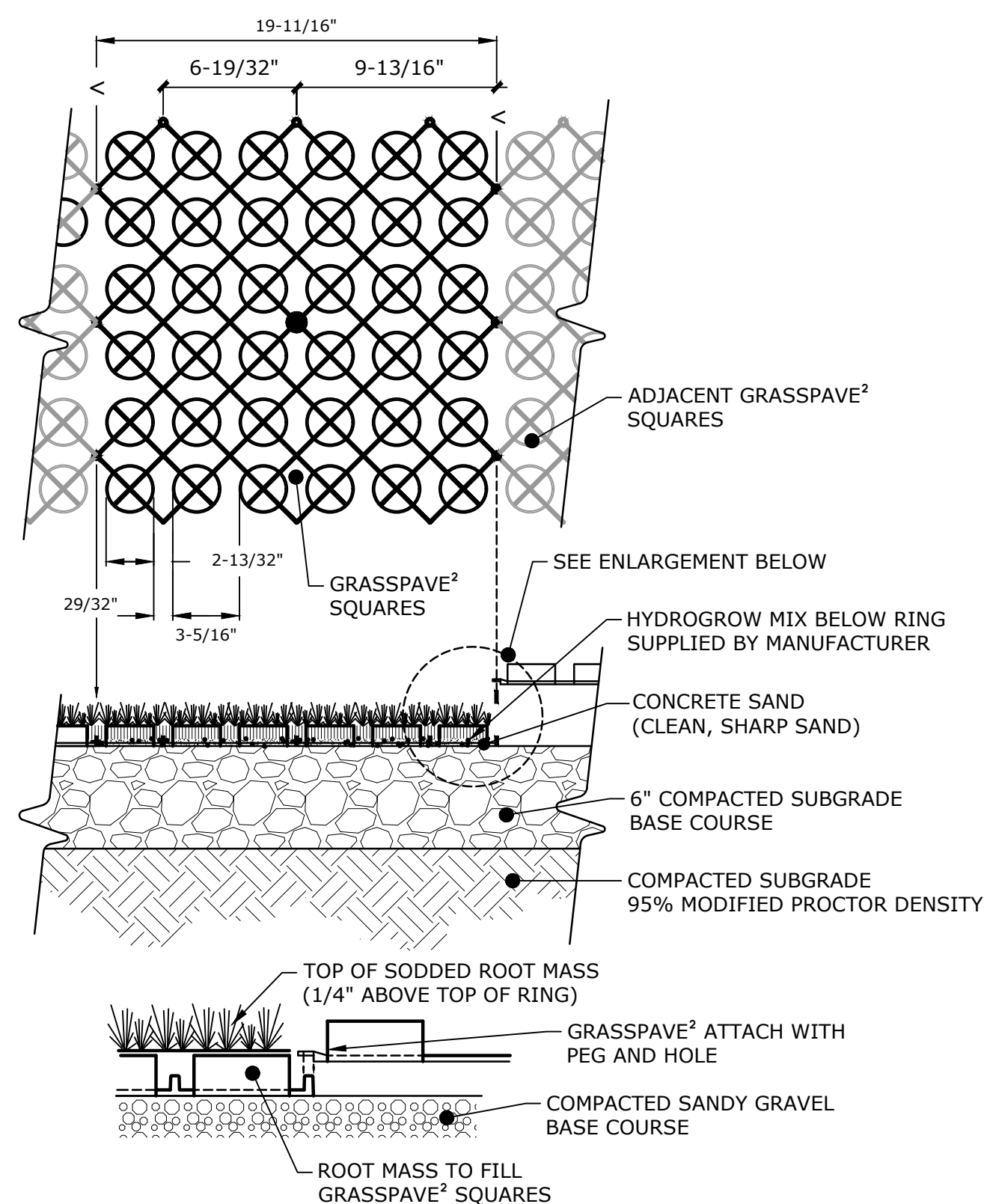


NOTES

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE OR EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET.
3. THICKNESS - NOT LESS THAN 6 INCHES.
4. WIDTH - TWELVE (12") FEET 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 FABRIC (SEPARATION) - 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 RIGHT-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-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.

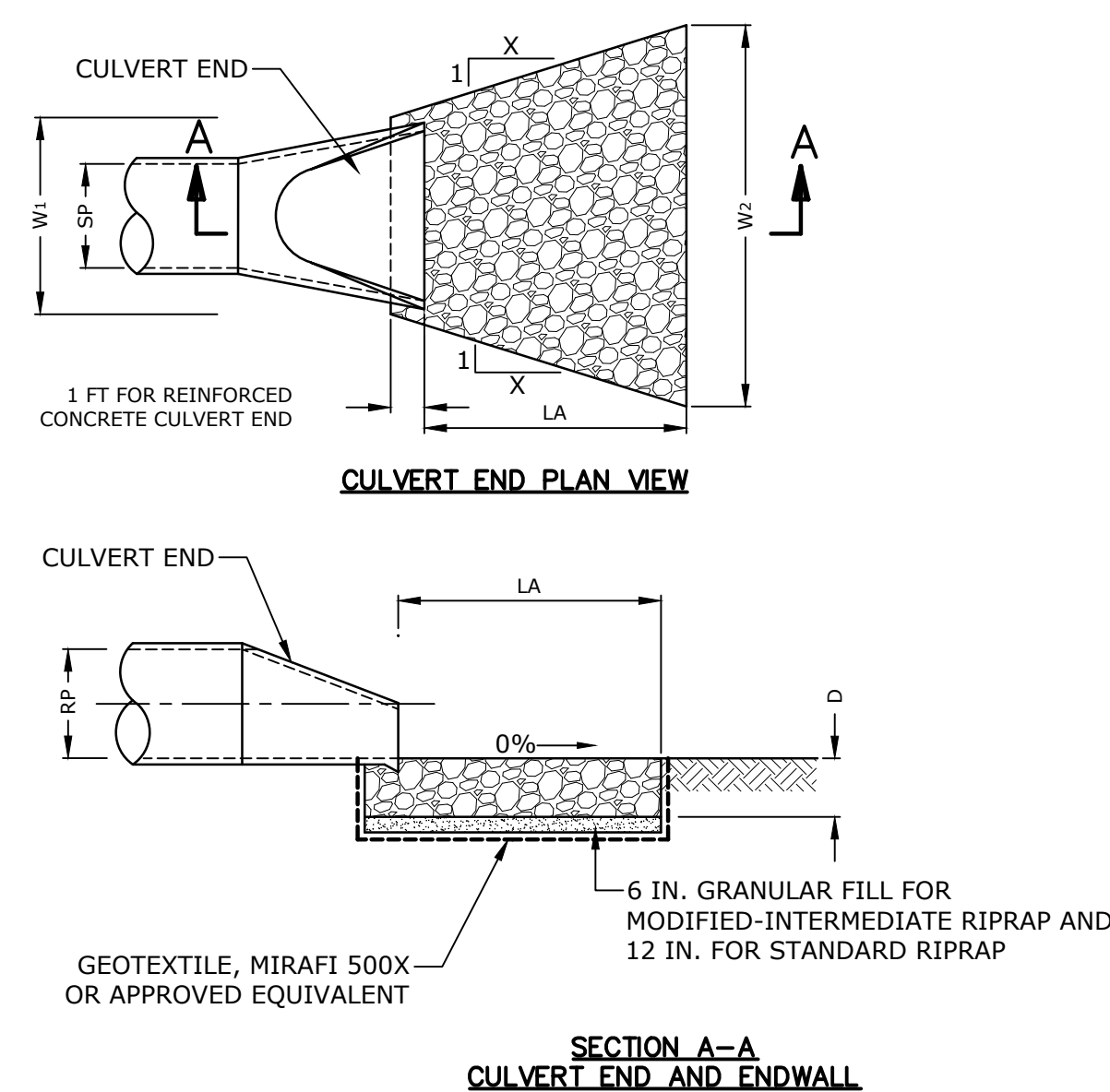


DETAIL	2
NO SCALE	-



CONCRETE WASHOUT

DETAIL	3
NO SCALE	-



STABILIZED CONSTRUCTION ENTRANCE

DETAIL	4
NO SCALE	-

REINFORCED TURF MAT

DETAIL	5
NO SCALE	-

FLARED END SECTION W/RIP RAP APRON

DETAIL	6
NO SCALE	-

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PHASE 1A IMPROVEMENTS

322 LAKE HILL RD,
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No.	Description	Date
1	PEER REVIEW	10/06/23

PROGRESS:

SCHEMATIC DESIGN	DESIGN DEVELOPMENT	CONSTRUCTION DOCUMENTS
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Project Number 2234

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Checked by BKN

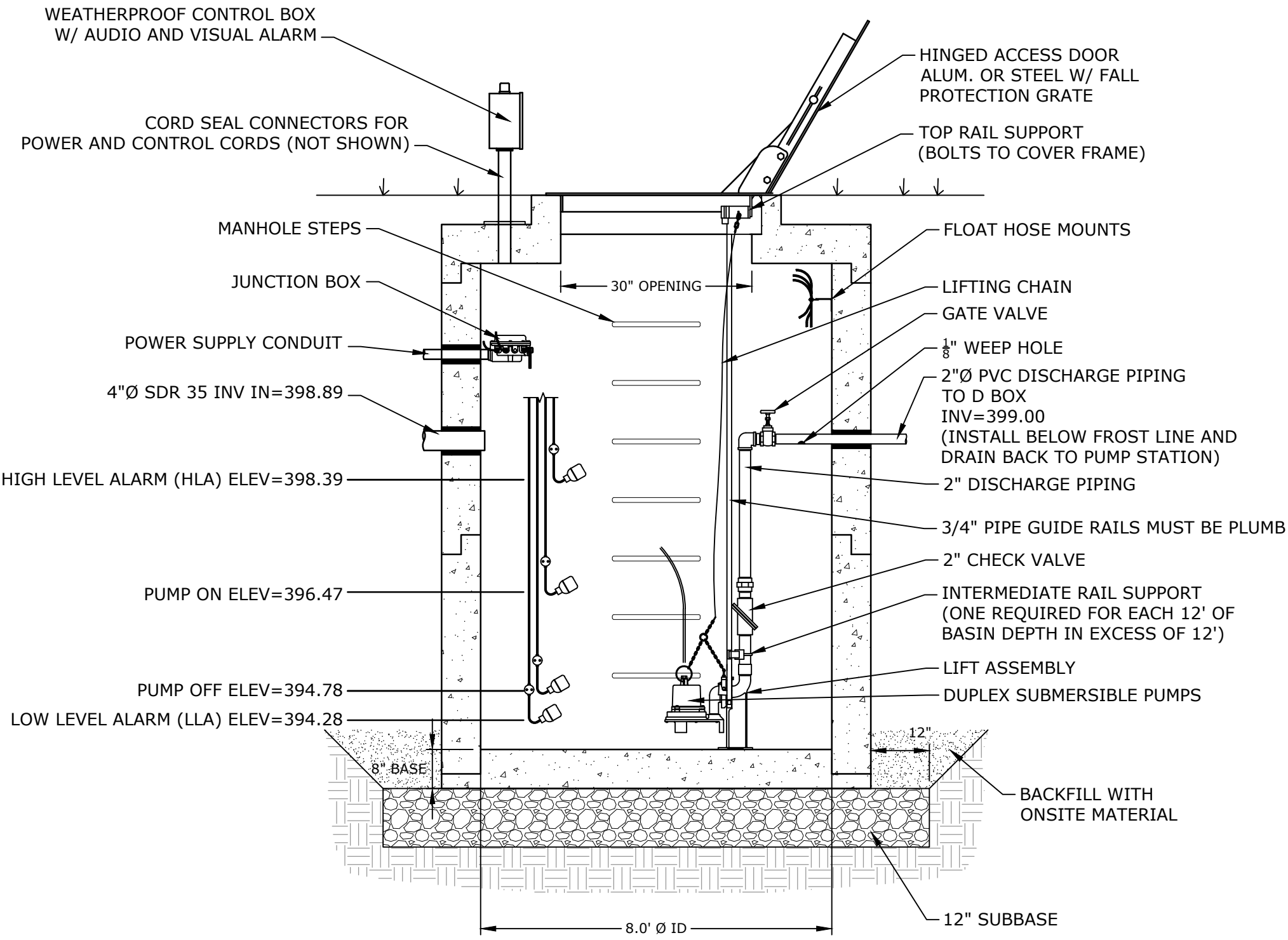
Date 09/01/23

SITE DETAILS - 4

C-504

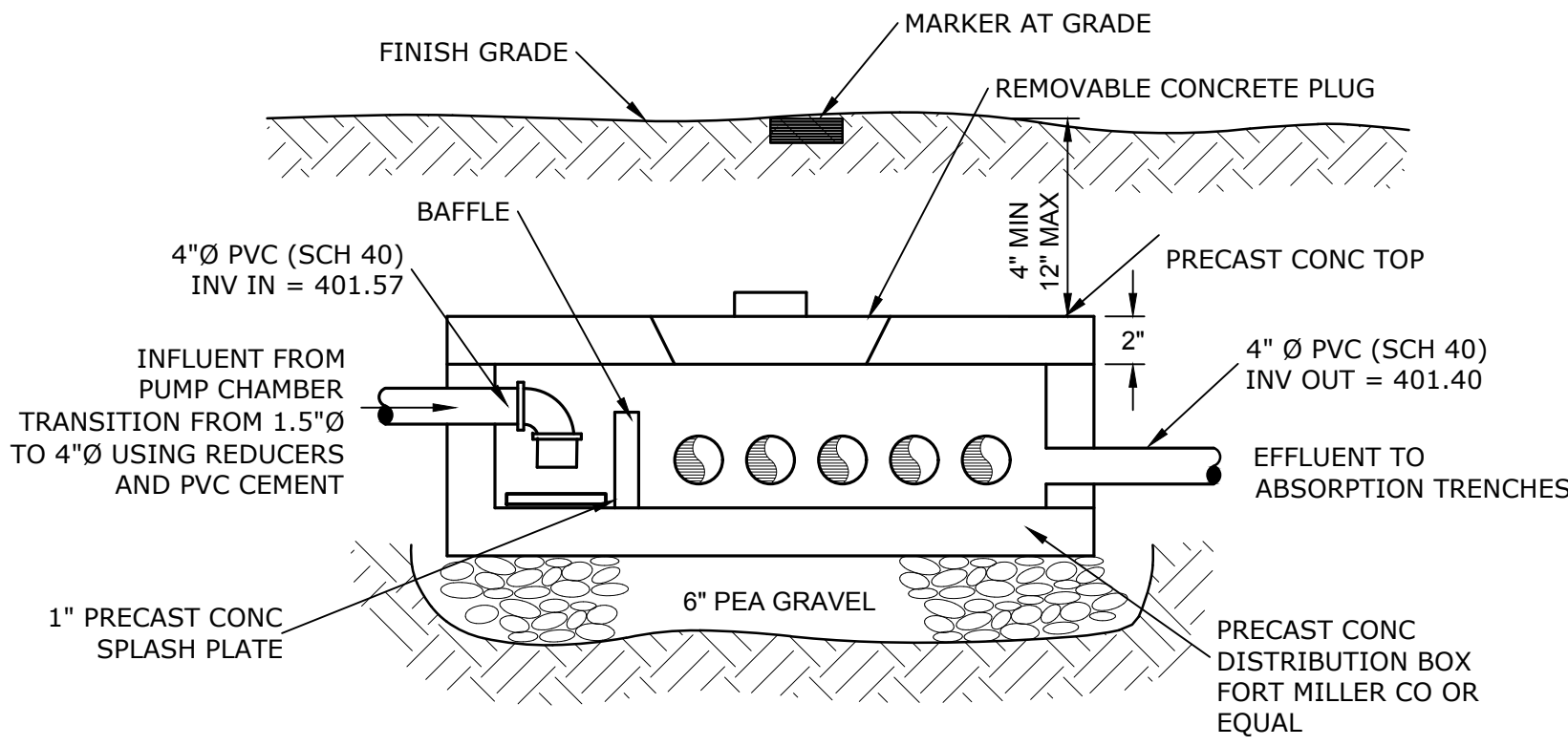
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DUPLEX PUMP STATION

DETAIL	1
NO SCALE	-

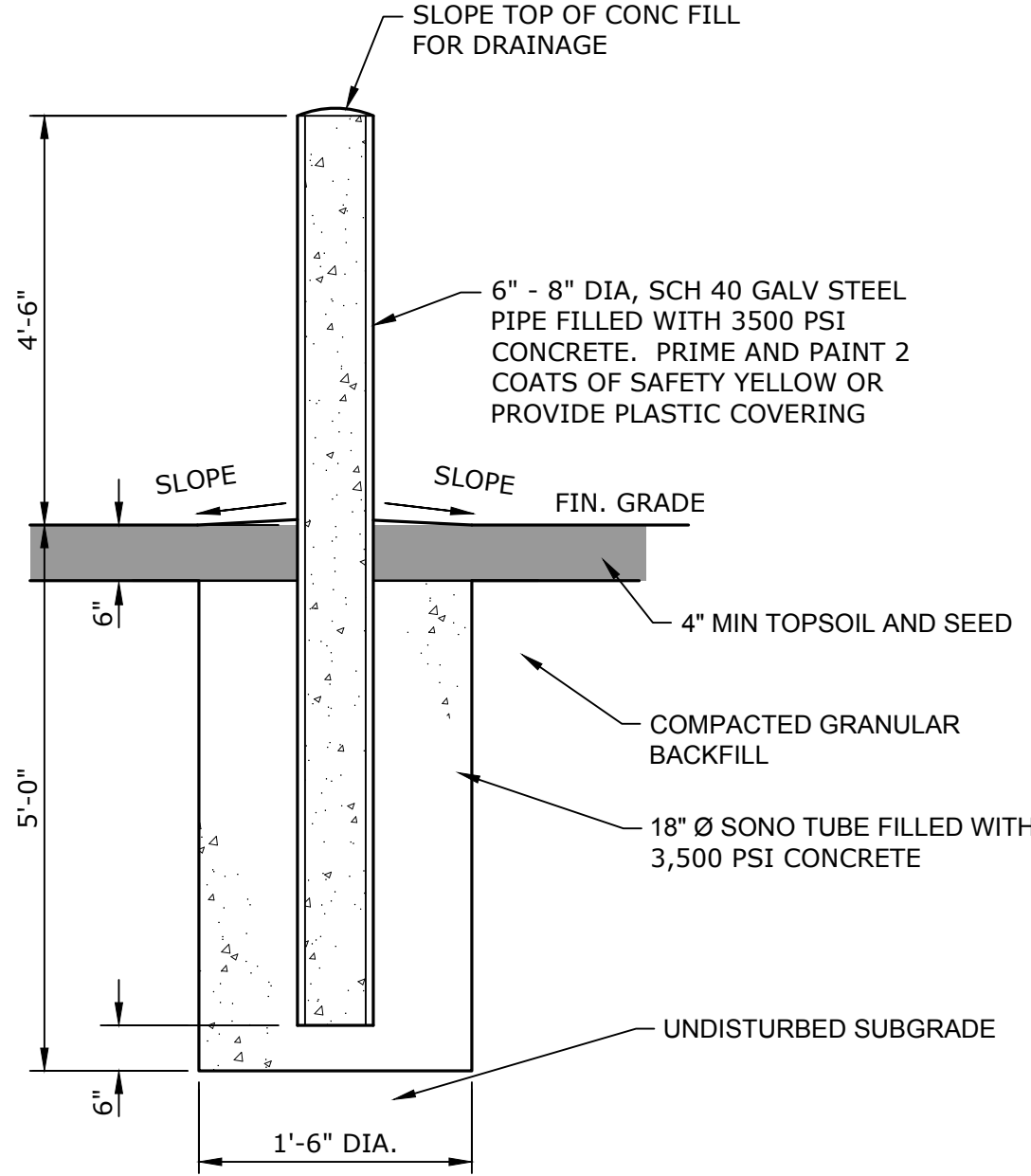


NOTES

- DISTRIBUTION BOX DETAIL AND SPECIFICATIONS SHOWN PER "5 OUTLET - #1 DISTRIBUTION BOX", MANUFACTURED BY FORT MILLER CO.
- SPEED LEVELERS ARE TO BE PROVIDED ON EVERY OUTLET.
- CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
- BAFFLE SHALL BE PRECAST WITH DISTRIBUTION BOX
- DISTRIBUTION BOX SHOULD BE SET ON 6" OF PEA GRAVEL OR GRAVEL BEDDING

MAINTENANCE BUILDING PRECAST CONCRETE DISTRIBUTION BOX

DETAIL	2
NO SCALE	-



TYPICAL BOLLARD DETAIL

DETAIL	3
NO SCALE	-

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No.	Description	Date
1	PEER REVIEW	10/06/23

PROGRESS:
SCHEMATIC DESIGN DESIGN DEVELOPMENT CONSTRUCTION DOCUMENTS

Project Number 2234

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Checked by BKN

Date 09/01/23

SITE DETAILS - 5

C-505



1 SOUTH ELEVATION
1/4" = 1'-0"



2 NORTH ELEVATION
1/4" = 1'-0"

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DESIGN
DEVELOPMENT

CONSTRUCTION
DOCUMENTS

Project Number 2234

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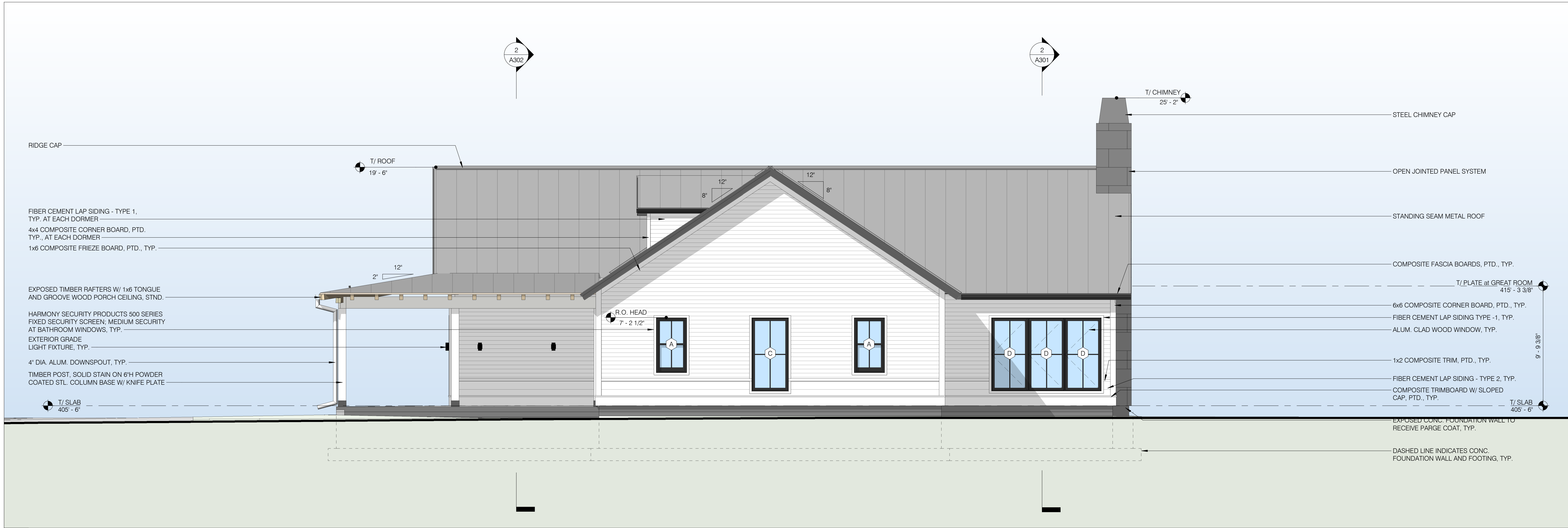
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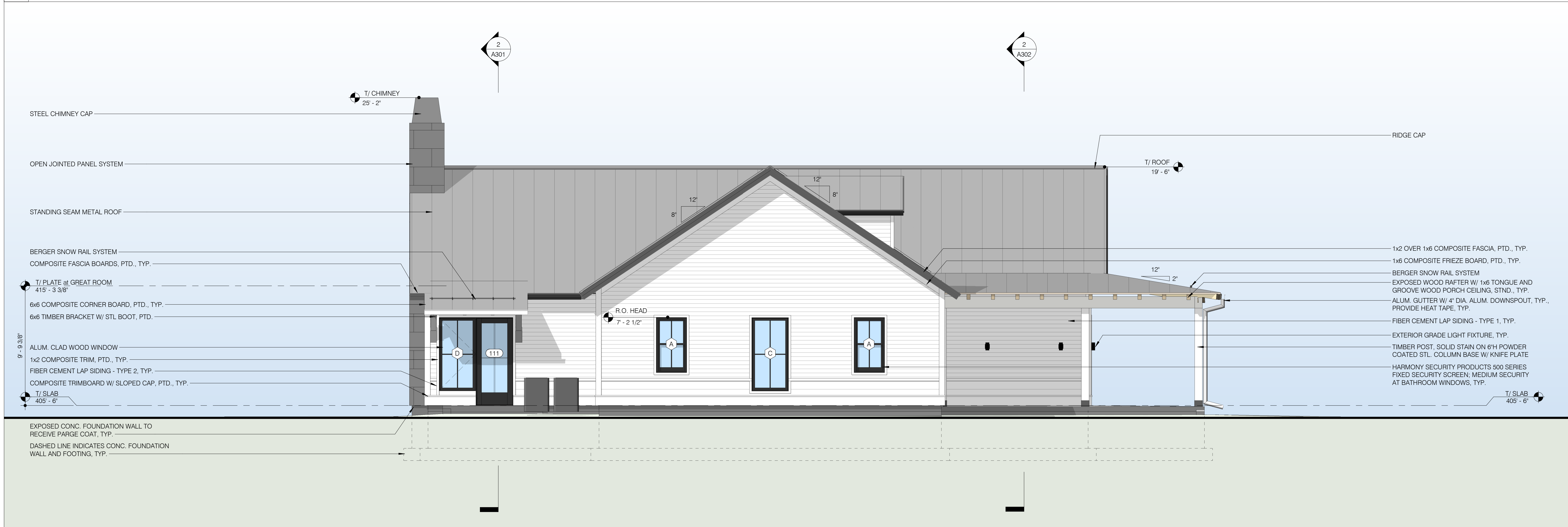
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ELEVATIONS

A201

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1 EAST ELEVATION
1/4" = 1'-0"



2 WEST ELEVATION
1/4" = 1'-0"

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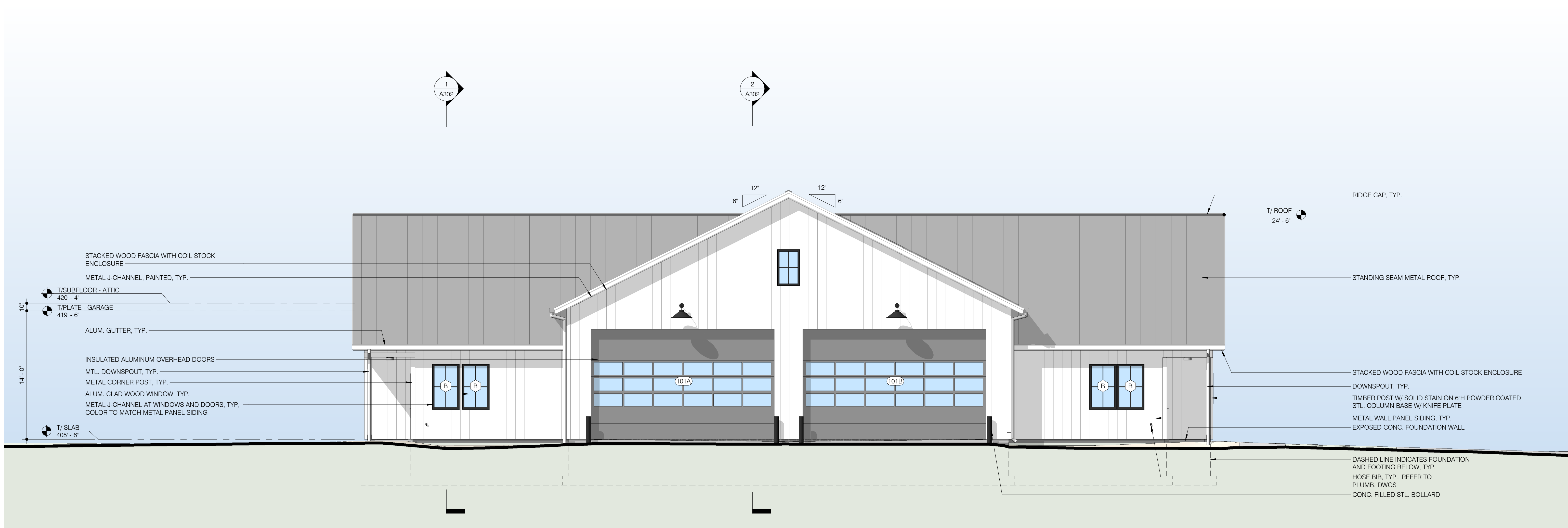
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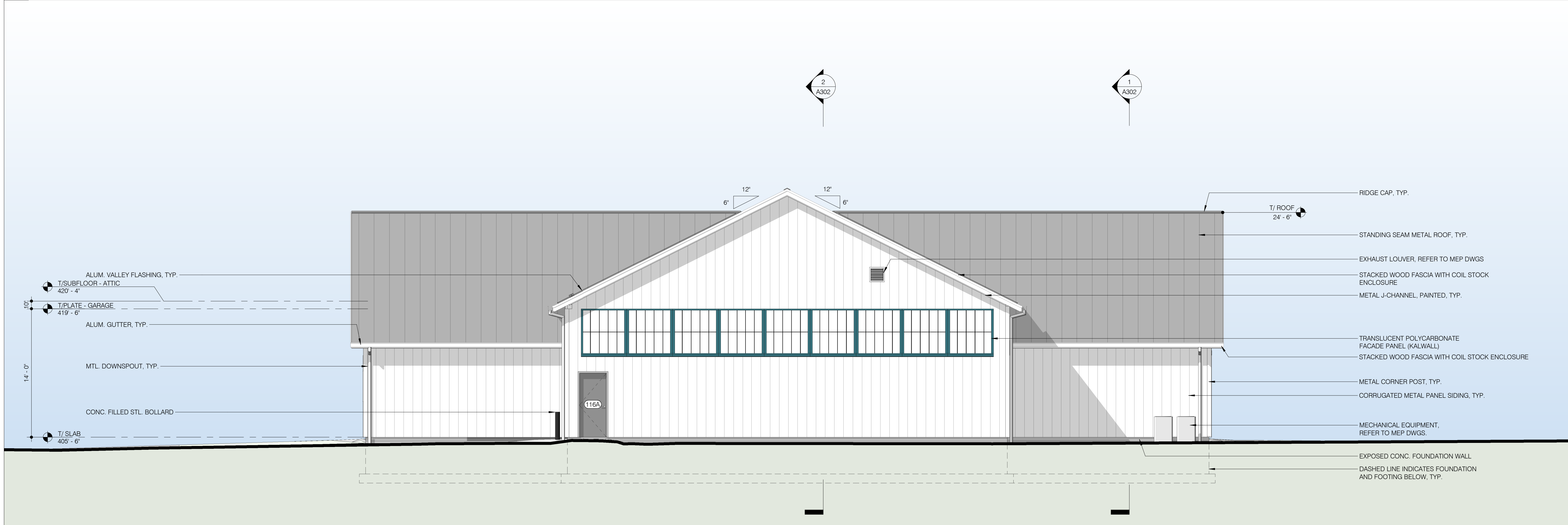
EXTERIOR
ELEVATIONS

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1 SOUTH ELEVATION
3/16" = 1'-0"



2 NORTH ELEVATION
3/16" = 1'-0"

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SCHEMATIC DESIGN | DESIGN DEVELOPMENT | CONSTRUCTION DOCUMENTS

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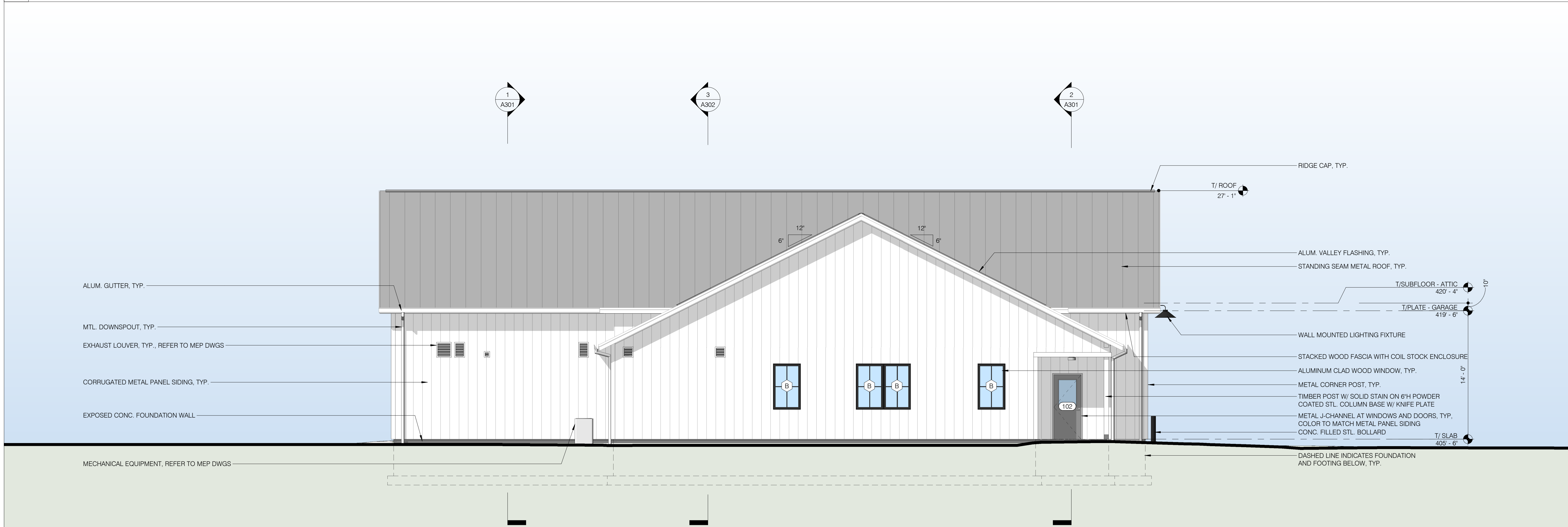
EXTERIOR
ELEVATIONS

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1 EAST ELEVATION
3/16" = 1'-0"



2 WEST ELEVATION
3/16" = 1'-0"

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Date 08.16.23

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