

VILLAGE OF MOUNT PROSPECT

DEPARTMENT OF PUBLIC WORKS

COOK COUNTY, ILLINOIS

SECTION 35, TOWNSHIP 42N, RANGE 11E

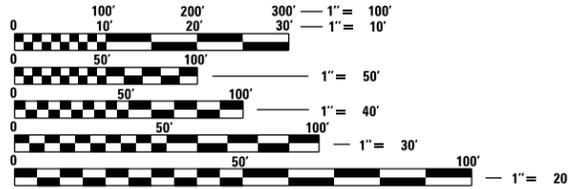
KENSINGTON BUSINESS PARK BASIN #2 2024

INDEX OF SHEETS

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3	STORMWATER POLLUTION PREVENTION PLAN
4	SITE PLAN
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LEGEND

TRANSPORTATION SURFACE	== == == ==
RAILROAD	
SINGLE POST SIGN	⊥
POWER LINE	—□—□—
TELEPHONE OR TELEGRAPH	—○—○—
LIGHT STANDARD	⊗
TRAFFIC SIGNAL	⊗
FIRE HYDRANT	⊗
MANHOLE / VAULT	⊗
INLET	□
CATCH BASIN	○
ABOVE GROUND SPLICE BOX	□
HANDHOLE	⊗
VEGETATION OUTLINE	⊖
SINGLE TREE OR BUSH	⊗
EVERGREEN TREE	⊗
STUMP	⊗
FENCE	—·—·—·—·—
STRUCTURE TO BE ADJUSTED	⊗
INLET & PIPE PROTECTION OR INLET FILTER	⊗
DITCH CHECK	⊗
JUNCTION BOX	⊗
SIDEWALK REMOVAL	⊗
PAVEMENT REMOVAL	⊗
ROW LINE	—
ELECTRIC CABLE	—·—·—·—·—
GAS PIPE	—·—·—·—·—
STORM SEWER	—·—·—·—·—
TELEPHONE CABLE	—·—·—·—·—
WATER PIPE	—·—·—·—·—
SANITARY SEWER	—·—·—·—·—
WETLAND	—·—·—·—·—
SILT FENCE	—·—·—·—·—
CONTOURS	—746— —746—



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

BP PIPELINES (NORTH AMERICA) INC.
1-800-548-6482

PROJECT LOCATION:
BASIN #2



WHEELING TOWNSHIP

LOCATION MAP
SCALE: 1" = 1000'



DATE: 3/21/2024
SEAL EXPIRES: 11/30/2025



DESIGN FIRM REGISTRATION NUMBER: 184-001016

VILLAGE OF MOUNT PROSPECT
KENSINGTON BUSINESS PARK
BASIN #2

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GENERAL NOTES

1. ALL UNDERGROUND UTILITY LOCATIONS, INCLUDING SANITARY SEWERS, STORM SEWERS, WATER MAINS, AND THEIR SERVICE LINES, SHOWN ON THE PLANS ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE RESPECTIVE UTILITY COMPANIES FIELD-LOCATE ALL UTILITIES, ASCERTAIN THEIR STATUS AND ADJUST OR RELOCATE THESE UTILITIES, AS NECESSARY, PRIOR TO STARTING CONSTRUCTION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE CONTRACTOR SHALL NOTIFY ALL PUBLIC AND PRIVATE UTILITIES BEFORE STARTING CONSTRUCTION, INCLUDING, BUT NOT LIMITED TO:

<p>A. BOBBY AKHTER AT&T CABLE SERVICES (630)390-0089 (630)719-1483</p> <p>B. VIRGINIA RODRIGUEZ COMED 860 OAK CREEK DR LOMBARD, IL (630)396-8226</p> <p>C. ANNA TRAN NICOR GAS (224)239-7693</p> <p>D. DICKY PATEL VINAKOM COMMUNICATIONS 860 REMINGTON RD SCHAUMBURG, IL 60173 (847)592-5785</p> <p>E. CROWN CASTLE FIBER.DIG@CROWNCASTLE.COM (800)654-3110</p>	<p>F. MARTHA GIERAS COMCAST 698 INDUSTRIAL DRIVE ELMHURST, IL 60126 (224)229-5862</p> <p>G. WILLIAM NG ASTOUND BROADBAND 2640 W. BRADLEY PLACE CHICAGO, IL 60618 (312)955-3356</p> <p>H. JOHN FERRARES ZAYO FIBER SOLUTIONS (847)417-9609</p> <p>I. MCI/VERIZON INVESTIGATIONS@VERIZON.COM</p> <p>J. LUMEN NATIONALRELO@CENTURYLINK.COM (877)366-8344</p>
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9. THE CONTRACTOR SHALL BE REQUIRED TO RELOCATE ALL SIGNS WHICH INTERFERE WITH THE CONSTRUCTION OPERATIONS. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT. ALL WORK INVOLVING SIGNS SHALL BE COVERED BY THE FOLLOWING REQUIREMENTS:
 - A. SIGNS SHALL NOT BE REMOVED UNTIL PROGRESS OF WORK REQUIRES REMOVAL.
 - B. EVERY SIGN REMOVED MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER VISIBLE TO TRAFFIC ON THE HIGHWAY. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND NEAT APPEARING FOR THE DURATION OF THE TEMPORARY SETTING.
 - C. ALL SIGNS MUST BE RE-ERECTED IN THEIR PERMANENT LOCATIONS AS DESIGNATED BY THE ENGINEER AS THE WORK IS COMPLETED.
 - D. ALL SIGNS NOT REQUIRED FOR REUSE AFTER CONSTRUCTION IS COMPLETED SHALL REMAIN THE PROPERTY OF THE VILLAGE. THE CONTRACTOR SHALL BE REQUIRED TO STORE THEM AT THE JOB SITE FOR PICKUP BY THE VILLAGE.
 - E. ANY SIGN OR SIGN POST DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT HIS OWN EXPENSE. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A LIST OF ALL EXISTING DAMAGED SIGNS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
 - F. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER AN INVENTORY OF ALL SIGNS MOVED DURING CONSTRUCTION.
10. DURING DEWATERING, ALL WATER MUST BE FILTERED TO REMOVE SEDIMENT. POSSIBLE OPTIONS FOR SEDIMENT REMOVAL INCLUDE BAFFLE SYSTEMS, ANIONIC POLYMERS, DEWATERING BAGS, OR OTHER APPROPRIATE METHODS. WATER SHALL HAVE SEDIMENT REMOVED PRIOR TO LEAVING THE SITE. DISCHARGE WATER IS CONSIDERED CLEAN IF IT DOES NOT RESULT IN A VISUALLY IDENTIFIABLE DEGRADATION OF WATER CLARITY.
11. ALL ELEVATIONS ARE BASED ON USGS DATUM.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE VILLAGE OR THE OWNER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.
3. DURING THE CONSTRUCTION OPERATION WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR FAILURE TO VERIFY EXISTING DIMENSIONS OR CONDITIONS.
5. THE CONTRACTOR SHALL LIMIT HIS CONSTRUCTION ACTIVITIES TO THE WORK AREAS DESIGNATED ON THE PLANS. THE CONTRACTOR WILL NOT BE ALLOWED ON PRIVATE PROPERTY TO ACCESS THE POND OR STORE MATERIALS UNLESS WRITTEN PERMISSION IS GRANTED BY THE PROPERTY OWNER. ANY DAMAGE TO AREAS OUTSIDE OF THESE LIMITS SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL EXPENSE TO THE VILLAGE.
6. PROPER DRAINAGE SHALL BE MAINTAINED IN THE IMPROVEMENT AREA DURING CONSTRUCTION. THE COST OF THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.
7. ALL FRAMES, GRATES, FLARED END SECTIONS OR OUTLET PIPES DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION WILL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE VILLAGE.
8. THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT HE CAUSES TO THE CURB AND GUTTER ON BUSINESS CENTER DRIVE AT NO ADDITIONAL EXPENSE TO THE VILLAGE.

SUMMARY OF QUANTITIES

ITEM	IDOT PAY ITEM	DESCRIPTION	UNIT	QUANTITY
1	Z0013798	CONSTRUCTION LAYOUT	L. SUM	1
2	20200100	EARTH EXCAVATION	CU YD	1852
3	20400800	FURNISHED EXCAVATION	CU YD	546
4		SHORELINE STABILIZATION	SQ YD	1633
5	X0323260	SILT BASIN	EACH	8
6	25000110	SEEDING, CLASS 1A	ACRE	1927
7	X2511630	EROSION CONTROL BLANKET, SPECIAL	SQ YD	1927
8	Z0013797	STABILIZED CONSTRUCTION ACCESS	SQ YD	247
9	20101000	TEMPORARY FENCE (TREE PROTECTION)	FOOT	360
10		WATER MANAGEMENT, SPECIAL	L. SUM	1
11	X6640200	TEMPORARY CHAIN LINK FENCE	FOOT	360
12	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTION 18"	EACH	1
13	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTION 24"	EACH	2
14	21101600	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	321

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PLOT DATE = 3/21/2024	DATE - 3/21/2024	REVISED -	

VILLAGE OF MOUNT PROSPECT

VILLAGE OF MOUNT PROSPECT KENSINGTON BUSINESS PARK BASIN #2				RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
GENERAL NOTES & SUMMARY OF QUANTITIES					35	COOK	16	2
SCALE: N.T.S.		SHEET NO. 2 OF 16 SHEETS		STA. TO STA.		ILLINOIS		

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE CONSTRUCTION SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

AT THE BEGINNING OF CONSTRUCTION, CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED.

SITE DESCRIPTION

DESCRIPTION OF CONSTRUCTION ACTIVITY:

1. THE PROJECT CONSISTS OF DREDGING POND NUMBER 2 IN MOUNT PROSPECT KENSINGTON BUSINESS PARK.
2. CONSTRUCTION INCLUDES EARTH EXCAVATION, SILT BASINS, PLACEMENT OF SHORELINE STABILIZATION AND OTHER MISCELLANEOUS ITEMS OF CONSTRUCTION.

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:

1. TREES SHALL BE PROTECTED AGAINST DAMAGE.
2. PLACEMENT, MAINTENANCE, REMOVAL AND PROPER CLEAN-UP OF TEMPORARY EROSION CONTROL.
3. DEWATERING
4. TERMINATION, REMOVAL, AND REPLACEMENT OF AERATION SYSTEM
5. EXCAVATION OF SEDIMENT WITHIN THE POND.
6. CONSTRUCTION OF SILT BASINS AT EXISTING INLETS TO THE POND.
7. REPLACEMENT OF FLARED END SECTIONS.
8. FINAL GRADING, PLACEMENT OF SHORELINE STABILIZATION, AND PLACEMENT OF SODDING.

AREA OF CONSTRUCTION SITE:

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 3.42 ACRES OF WHICH 2.92 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING, AND OTHER ACTIVITIES.

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS

1. INFORMATION OF THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS AND SOIL BORINGS THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.
2. PROJECT PLAN DOCUMENTS, SPECIFICATIONS AND SPECIAL PROVISIONS, PLAN DRAWINGS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE:

1. FEEHANVILLE DITCH

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROL

DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION

1. THE DRAWINGS AND SPECIFICATIONS STATE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE. ANY DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
 - (A.) AREAS OF EXISTING VEGETATION (WOOD AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

1. DURING CONSTRUCTION AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESCRIBED ON THE PLANS AND DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.
 - (A.) WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.
 - (B.) AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:
 - I. PLACE SILT BASINS AT LOCATIONS SHOWN ON THE PLANS.
 - (C.) EXCAVATED AREAS AND EMBANKMENT SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR 7 DAYS.
 - (D.) CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
 - (E.) SEDIMENT COLLECTED DURING CONSTRUCTION AT THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF AT AN APPROPRIATE LOCATION ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR EARTH EXCAVATION.
 - (F.) THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.
 - (G.) THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 1/2 INCH OR GREATER OR EQUIVALENT SNOWFALL AND DURING THE WINTER SHUTDOWN PERIOD. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING:

1. TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SODDED AND ESTABLISHED.
2. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND TURF AREAS ARE ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, AND CLEANED UP.

MAINTENANCE AFTER CONSTRUCTION:

1. CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE BY VILLAGE OF MOUNT PROSPECT FINAL INSPECTION. MAINTENANCE UP TO THIS DATE WILL BE BY THE CONTRACTOR.

MISCELLANEOUS:

1. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

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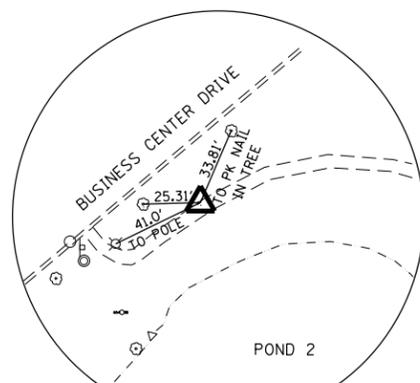
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VILLAGE OF MOUNT PROSPECT

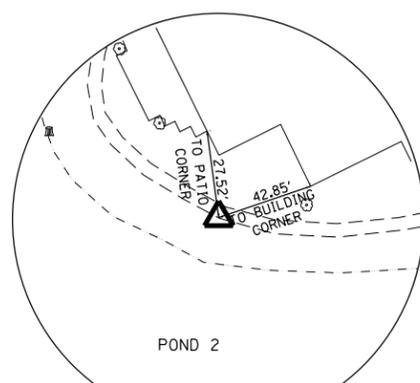
VILLAGE OF MOUNT PROSPECT KENSINGTON BUSINESS PARK BASIN #2
STORMWATER POLLUTION PREVENTION PLAN

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	35	COOK	16	3

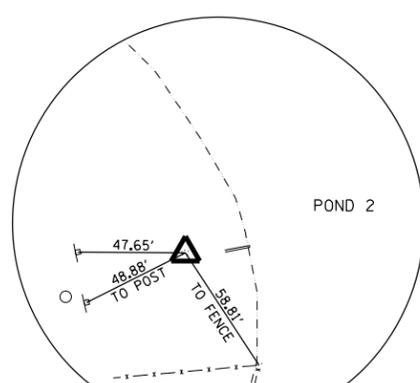
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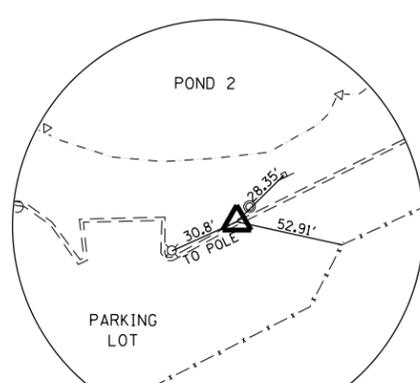
CGI 40
 PK NAIL IN ASPHALT PATH
 N = 1971212.055
 E = 1096058.119
 ELEV = 656.248



CGI 41
 PK NAIL IN ASPHALT PATH
 N = 1970966.667
 E = 1096245.598
 ELEV = 654.852



CGI 42
 IRON POST WITH YELLOW CAP
 N = 1970856.94
 E = 1096107.038
 ELEV = 655.244



CGI 422
 CHISELED "X" ON CONCRETE CURB
 N = 1970514.202
 E = 1096266.249
 ELEV = 653.745

247 SQ YD
 STABILIZED CONSTRUCTION ACCESS
 TO BE RESTORED WITH TOPSOIL,
 SEEDING, AND EROSION CONTROL
 BLANKET, SPECIAL AFTER REMOVAL

EXISTING 10" PIPE
 INV. 650.02
 1633 SQ YD
 PROPOSED SHORELINE
 STABILIZATION
 EXISTING 10" PIPE
 INV. 649.31
 SPRINKLER HEAD (TYP)

EXISTING 12" FES
 INV. 649.88
 CGI 42

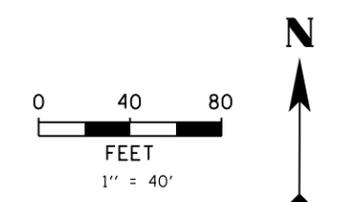
EXISTING 15" FES
 INV. 650.02

EXISTING 15" FES
 INV. 650.18
 STA 10+22.16
 N = 1970514.40
 E = 1096216.31

1680 SQ YD (0.04 AC)
 TOPSOIL, SEEDING, AND EROSION
 CONTROL BLANKET, SPECIAL

LEGEND

 SEEDING CLASS 1A W/
 TOPSOIL, AND EROSION
 CONTROL BLANKET, SPECIAL
 SHORELINE STABILIZATION
 S.B. SILT BASIN



- NOTE:
- SEEDING WILL OCCUR BETWEEN GRADING LIMITS AND TOP OF PROPOSED SHORELINE STABILIZATION.
 - NO EXCAVATION WORK OR STABILIZATION SHALL OCCUR UNDER DRIP LINES OF TREES OR AS DIRECTED BY THE ENGINEER.
 - DEWATERING OF EXISTING POND SHALL BE PAID FOR AS WATER MANAGEMENT, SPECIAL. THIS SHALL INCLUDE REMOVAL AND REPLACEMENT OF THE AERATION SYSTEM AS NEEDED FOR EARTHWORK.
 - ANY DAMAGE TO EXISTING SPRINKLER OR AERATION SYSTEMS CAUSED BY CONTRACTOR DURING CONSTRUCTION SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE VILLAGE.

NOTE: CONTRACTOR RESPONSIBLE FOR PROTECTION OF AND PREVENTION OF MODIFICATION TO OUTLET CONTROL STRUCTURE (OCS). OCS CONSISTS OF 16" PIPE EMBEDDED WITHIN 24" OUTFALL PIPE.

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 PLOT SCALE = 80.0000' / in.
 PLOT DATE = 3/21/2024

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 DATE - 3/21/2024

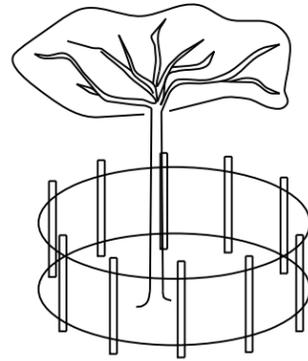
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VILLAGE OF MOUNT PROSPECT

VILLAGE OF MOUNT PROSPECT KENSINGTON BUSINESS PARK BASIN #2
 SITE PLAN
 SCALE: 1"=40' SHEET NO. 4 OF 16 SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	35	COOK	16	4

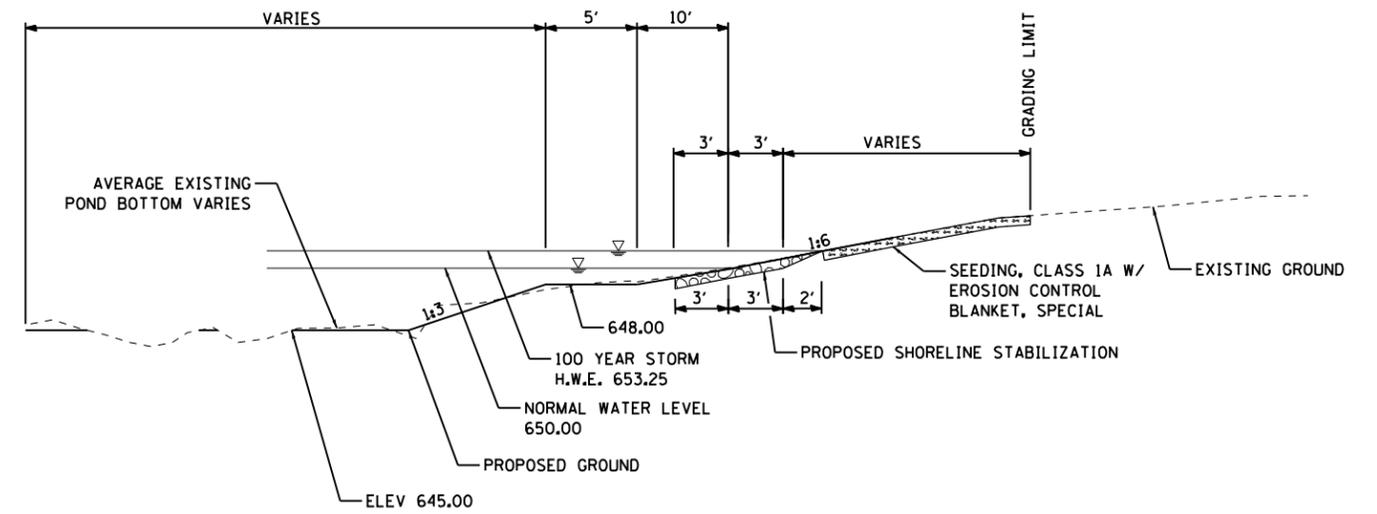
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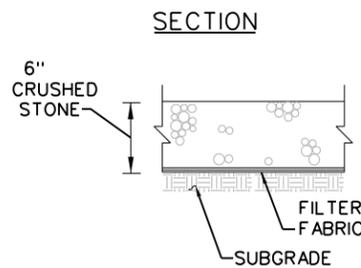
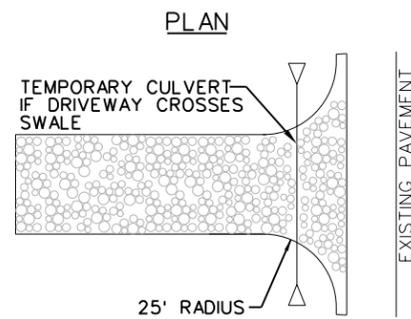
1. FENCING SHALL BE POSITIONED SUCH THAT DRIP LINE OF TREE IS PROTECTED.
2. INSTALL AT TREES & LANDSCAPE AREAS WITHIN LIMITS OF CONSTRUCTION OR AS DIRECTED BY THE ENGINEER.

TEMPORARY FENCE DETAIL

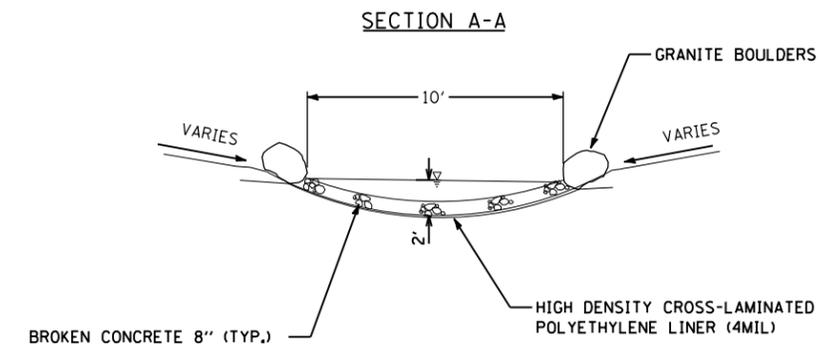
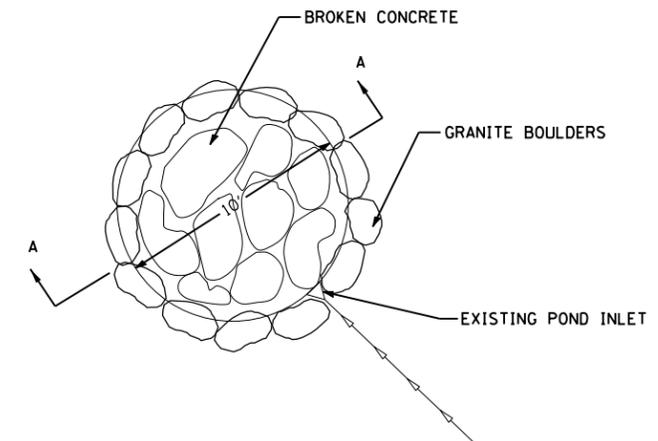


TYPICAL PROPOSED POND CROSS SECTION FOR RETENTION BASIN #2

NOTE:
 PROPOSED SHORELINE STABILIZATION SHALL BE 6' WIDE CENTERED ON NORMAL POND ELEVATION (650.00). THE STONE SHALL BE 8" IN DEPTH AT THE CENTERED 6'. AN ADDITIONAL 2' OF STABILIZATION SHALL BE TAPERED INTO THE EXISTING UPSLOPE. SEE SPECIAL PROVISIONS FOR MATERIAL SPECIFICATIONS AND INSTALLATION PROCEDURES.



STABILIZED CONSTRUCTION ACCESS

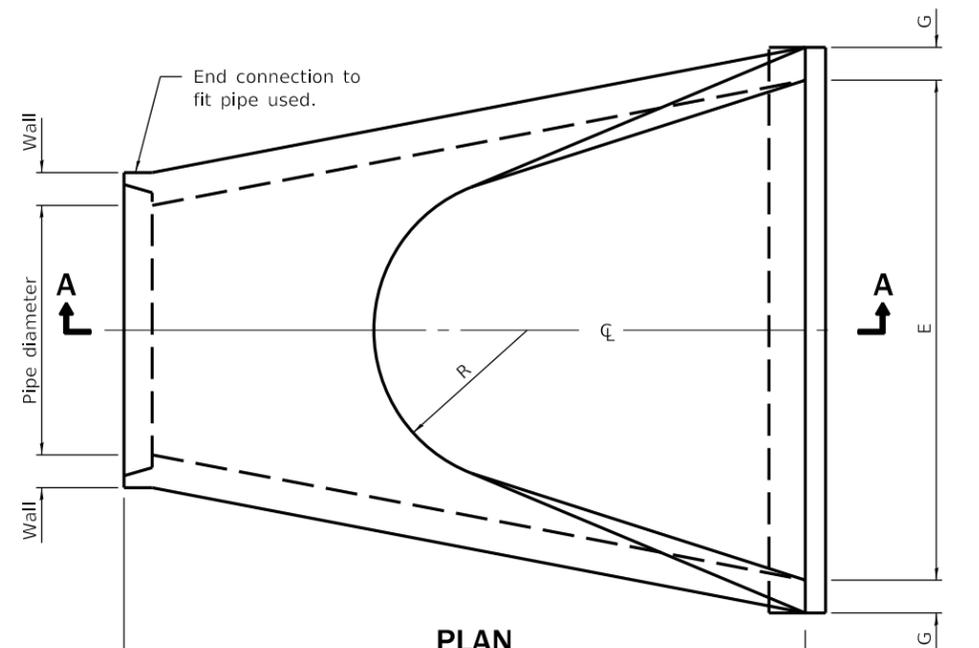


SILT BASIN DETAIL

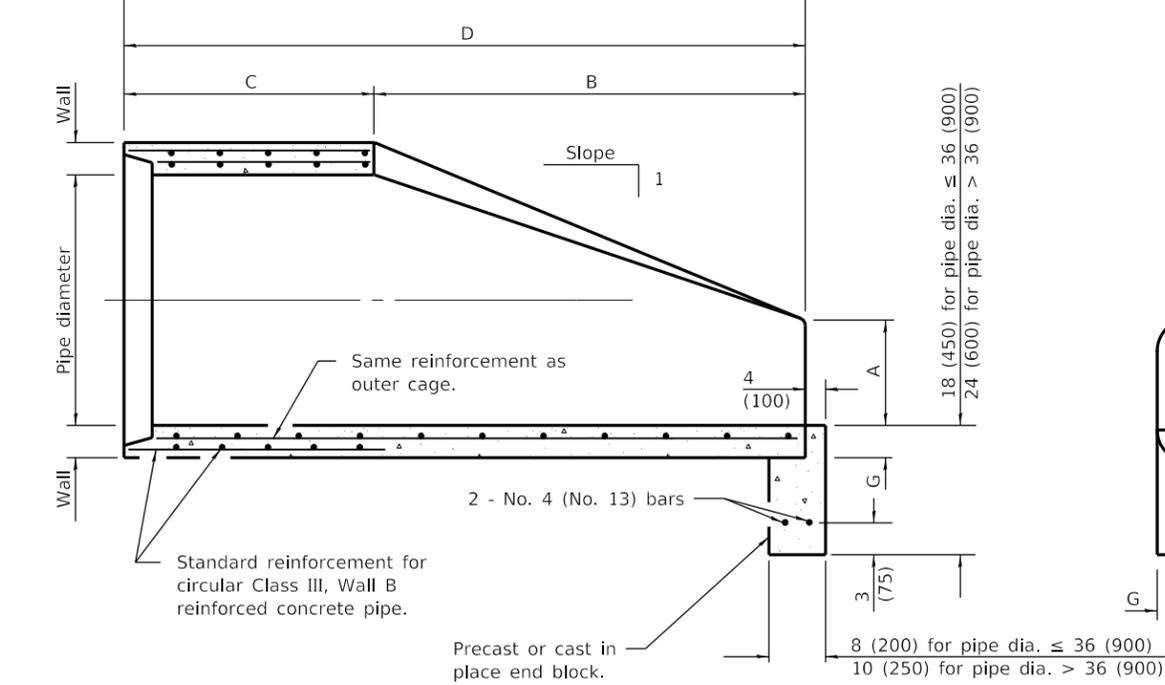
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	DRAWN - LVR	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - TW	REVISED -
PLOT DATE = 3/21/2024	DATE - 3/21/2024	REVISED -

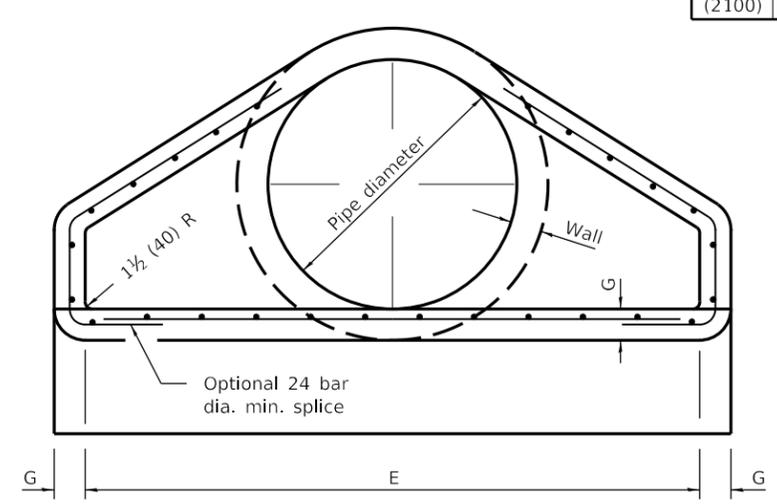
RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	35	COOK	16	5
ILLINOIS				



PLAN



SECTION A-A



END VIEW

PIPE DIA.	APPROX. QTY. lbs. (kg)	WALL	A	B	C	D	E	G	R	APPROX. SLOPE
12 (300)	530 (240)	2 (51)	4 (102)	24 (610)	4'-0 7/8" (1.241 m)	6'-0 7/8" (1.851 m)	24 (610)	2 (51)	9 (229)	1:2.4
15 (375)	740 (335)	2 1/4 (57)	6 (152)	27 (686)	3'-10" (1.168 m)	6'-1" (1.854 m)	30 (762)	2 1/4 (57)	11 (280)	1:2.4
18 (450)	990 (450)	2 1/2 (64)	9 (229)	27 (686)	3'-10" (1.168 m)	6'-1" (1.854 m)	36 (914)	2 1/2 (64)	12 (305)	1:2.4
21 (525)	1280 (580)	2 3/4 (70)	9 (229)	35 (889)	38 (965)	6'-1" (1.854 m)	3'-6" (1.067 m)	2 3/4 (70)	13 (330)	1:2.4
24 (600)	1520 (690)	3 (76)	9 1/2 (241)	3'-7 1/2" (1.105 m)	30 (762)	6'-1 1/2" (1.867 m)	4'-0" (1.219 m)	3 (76)	14 (356)	1:2.5
27 (675)	1930 (875)	3 1/4 (83)	10 1/2 (267)	4'-0" (1.219 m)	25 1/2 (648)	6'-1 1/2" (1.867 m)	4'-6" (1.372 m)	3 1/4 (83)	14 1/2 (368)	1:2.4
30 (750)	2190 (995)	3 1/2 (89)	12 (305)	4'-6" (1.375 m)	19 3/4 (502)	6'-1 3/4" (1.874 m)	5'-0" (1.524 m)	3 1/2 (89)	15 (381)	1:2.5
33 (825)	3200 (1450)	3 3/4 (95)	13 1/2 (343)	4'-10 1/2" (1.486 m)	39 1/4 (997)	8'-1 3/4" (2.483 m)	5'-6" (1.676 m)	3 3/4 (95)	17 1/2 (445)	1:2.5
36 (900)	4100 (1860)	4 (102)	15 (381)	5'-3" (1.6 m)	34 3/4 (883)	8'-1 3/4" (2.483 m)	6'-0" (1.829 m)	4 (102)	20 (508)	1:2.5
42 (1050)	5380 (2440)	4 1/2 (114)	21 (533)	5'-3" (1.6 m)	35 (889)	8'-2" (2.489 m)	6'-6" (1.981 m)	4 1/2 (114)	22 (559)	1:2.5
48 (1200)	6550 (2970)	5 (127)	24 (610)	6'-0" (1.829 m)	26 (660)	8'-2" (2.489 m)	7'-0" (2.134 m)	5 (127)	22 (559)	1:2.5
54 (1350)	8240 (3740)	5 1/2 (140)	27 (686)	5'-5" (1.651 m)	35 (889)	8'-4" (2.54 m)	7'-6" (2.286 m)	5 1/2 (140)	24 (610)	1:2.0
60 (1500)	8730 (3960)	6 (152)	35 (889)	5'-0" (1.524 m)	39 (991)	8'-3" (2.515 m)	8'-0" (2.438 m)	5 (127)	*	1:1.9
66 (1650)	10710 (4860)	6 1/2 (165)	30 (762)	6'-0" (1.829 m)	27 (686)	8'-3" (2.515 m)	8'-6" (2.591 m)	5 1/2 (140)	*	1:1.7
72 (1800)	12520 (5680)	7 (178)	36 (914)	6'-6" (1.981 m)	21 (533)	8'-3" (2.514 m)	9'-0" (2.743 m)	6 (152)	*	1:1.8
78 (1950)	14770 (6700)	7 1/2 (191)	36 (914)	7'-6" (2.286 m)	21 (533)	9'-3" (2.819 m)	9'-6" (2.896 m)	6 1/2 (165)	*	1:1.8
84 (2100)	18160 (8240)	8 (203)	36 (914)	7'-6 1/2" (2.299 m)	21 (533)	9'-3 1/2" (2.832 m)	10'-0" (3.048 m)	6 1/2 (165)	*	1:1.6

* Radius as furnished by manufacturer

GENERAL NOTES

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

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

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

PRECAST REINFORCED CONCRETE FLARED END SECTION

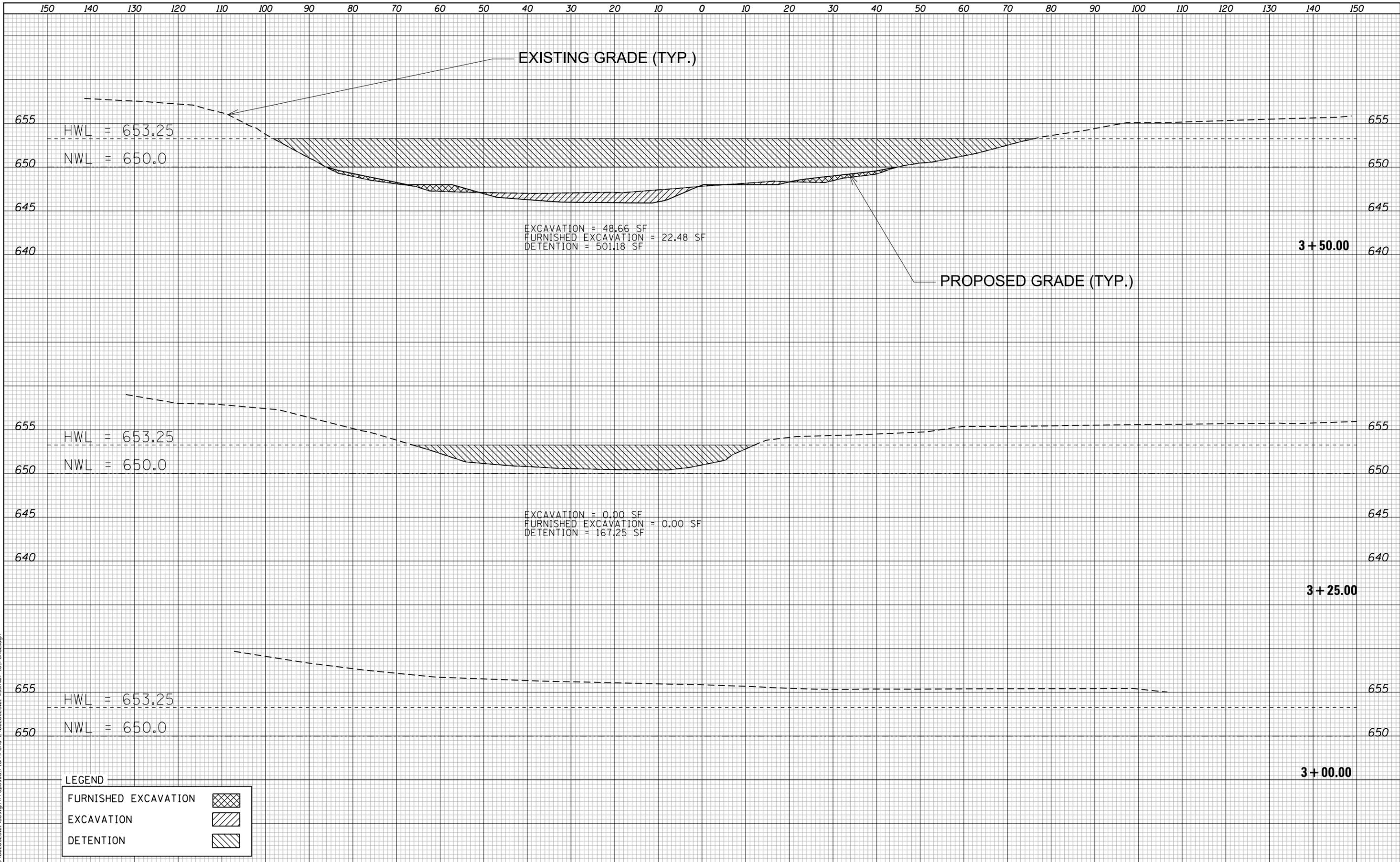
STANDARD 542301-03

Illinois Department of Transportation

APPROVED January 1, 2011
Ralph E. Anderson
 ENGINEER OF BRIDGES AND STRUCTURES

APPROVED January 1, 2011
Scott Schick
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97



LEGEND

FURNISHED EXCAVATION	
EXCAVATION	
DETENTION	

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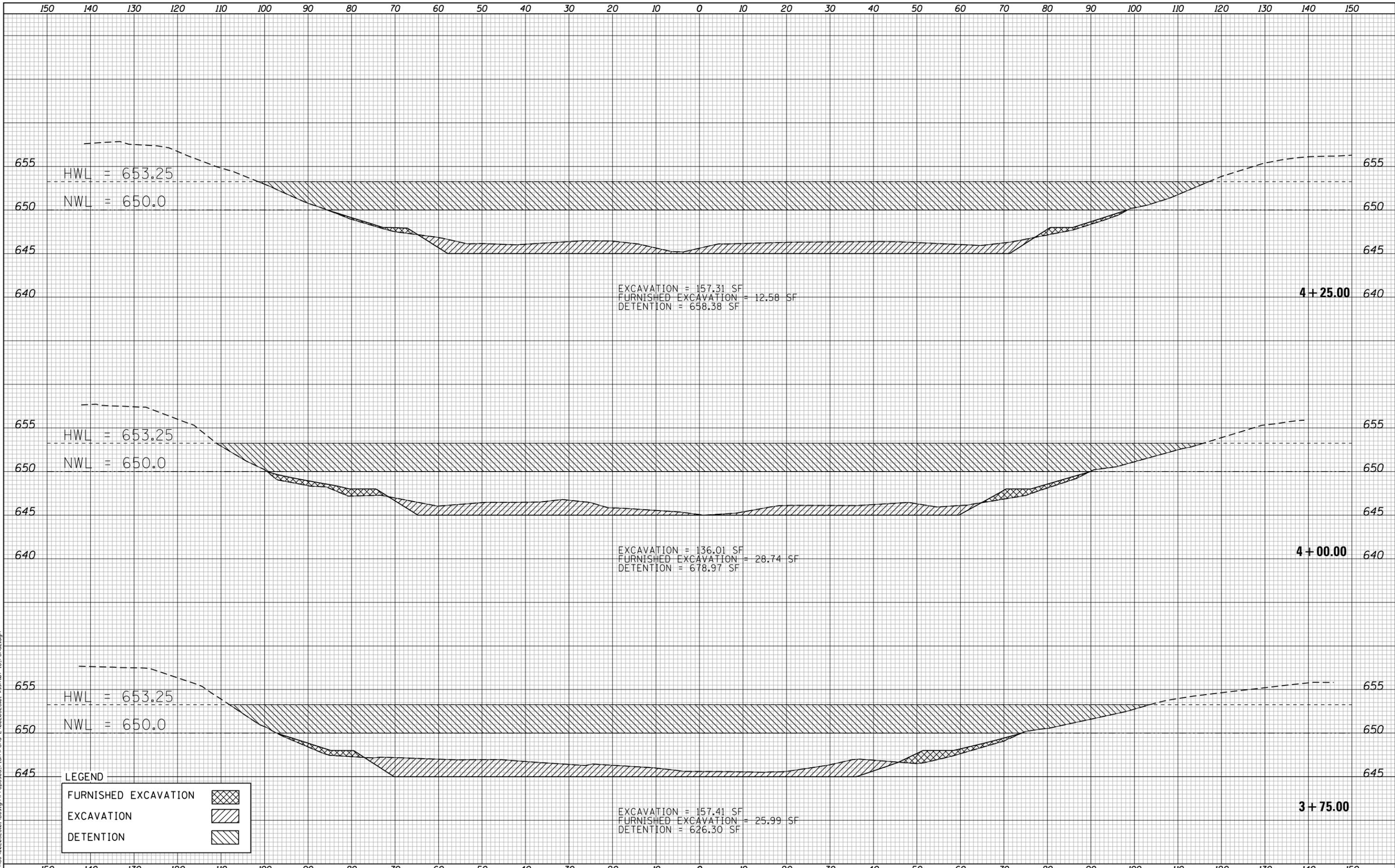
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	DRAWN - LVR	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - TW	REVISED -
PLOT DATE = 3/21/2024	DATE - 3/21/2024	REVISED -

VILLAGE OF MOUNT PROSPECT

**VILLAGE OF MOUNT PROSPECT KENSINGTON BUSINESS PARK BASIN #2
CROSS SECTIONS**

SCALE: H: 1"=10', V: 1"=5' SHEET NO. OF SHEETS STA. 3+00.00 TO STA. 3+50.00

TOTAL SHEETS	SHEET NO.
16	7



LEGEND

FURNISHED EXCAVATION	
EXCAVATION	
DETENTION	

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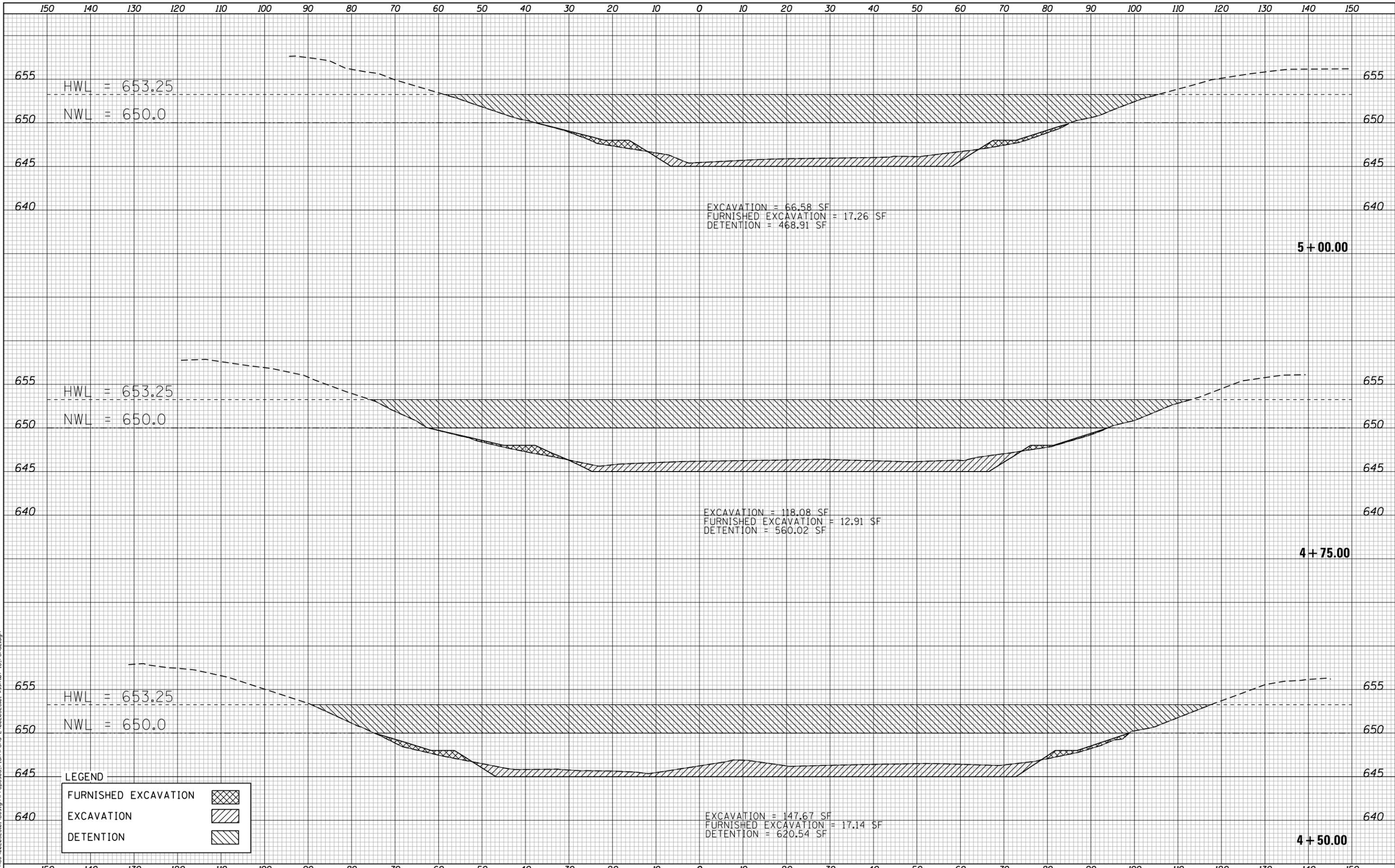
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PLOT DATE = 3/21/2024	DATE - 3/21/2024	REVISED -

VILLAGE OF MOUNT PROSPECT

VILLAGE OF MOUNT PROSPECT KENSINGTON BUSINESS PARK BASIN #2
CROSS SECTIONS

SCALE: H: 1"=10', V: 1"=5' SHEET NO. OF SHEETS STA. 3+75.00 TO STA. 4+25.00

TOTAL SHEETS	SHEET NO.
16	8



LEGEND

FURNISHED EXCAVATION	
EXCAVATION	
DETENTION	

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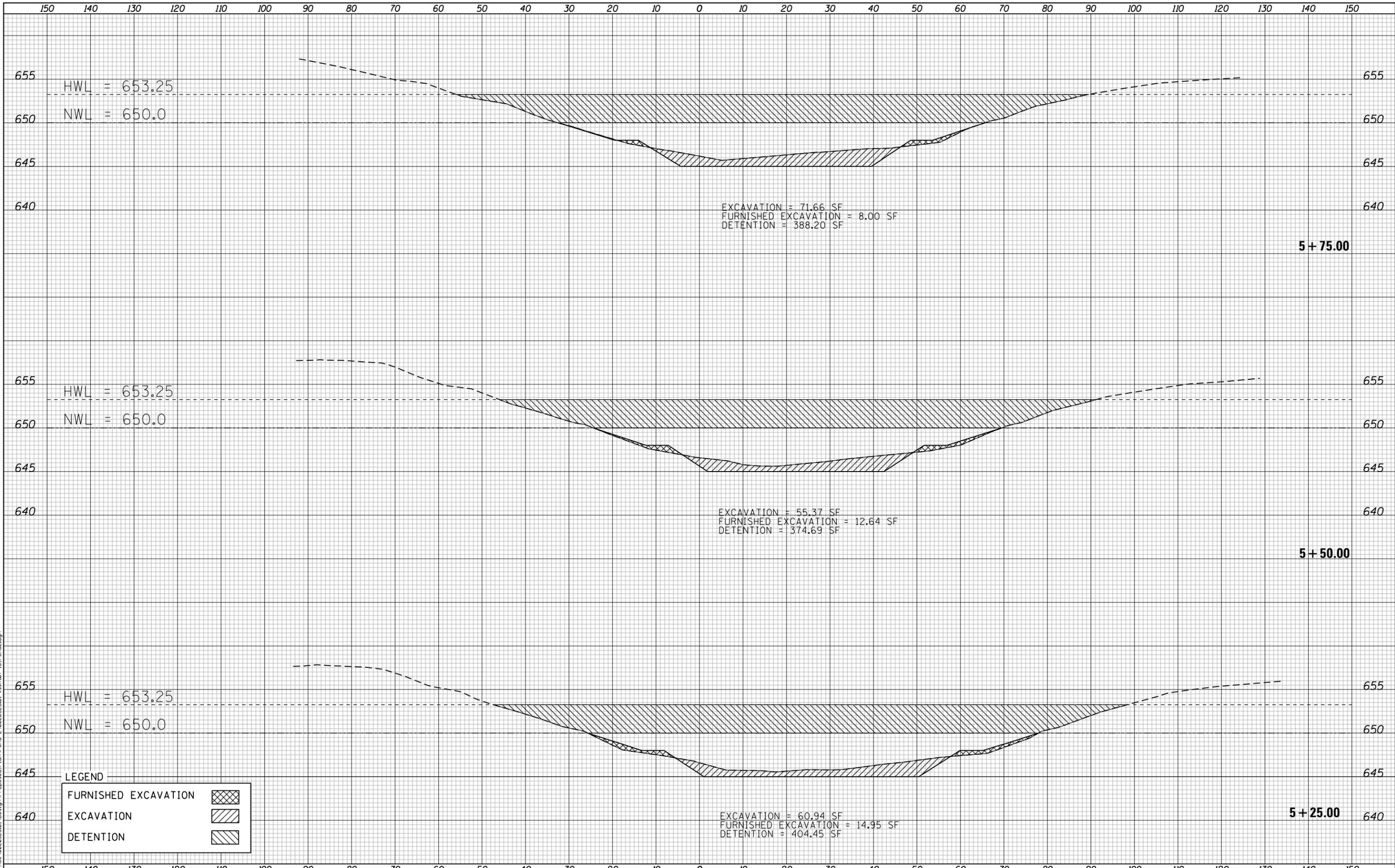
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PLOT DATE = 3/21/2024	DATE - 3/21/2024	REVISED -

VILLAGE OF MOUNT PROSPECT

VILLAGE OF MOUNT PROSPECT KENSINGTON BUSINESS PARK BASIN #2
CROSS SECTIONS

TOTAL SHEETS	SHEET NO.
16	9

SCALE: H: 1"=10', V: 1"=5' SHEET NO. OF SHEETS STA. 4+50.00 TO STA. 5+00.00



LEGEND

FURNISHED EXCAVATION	
EXCAVATION	
DETENTION	

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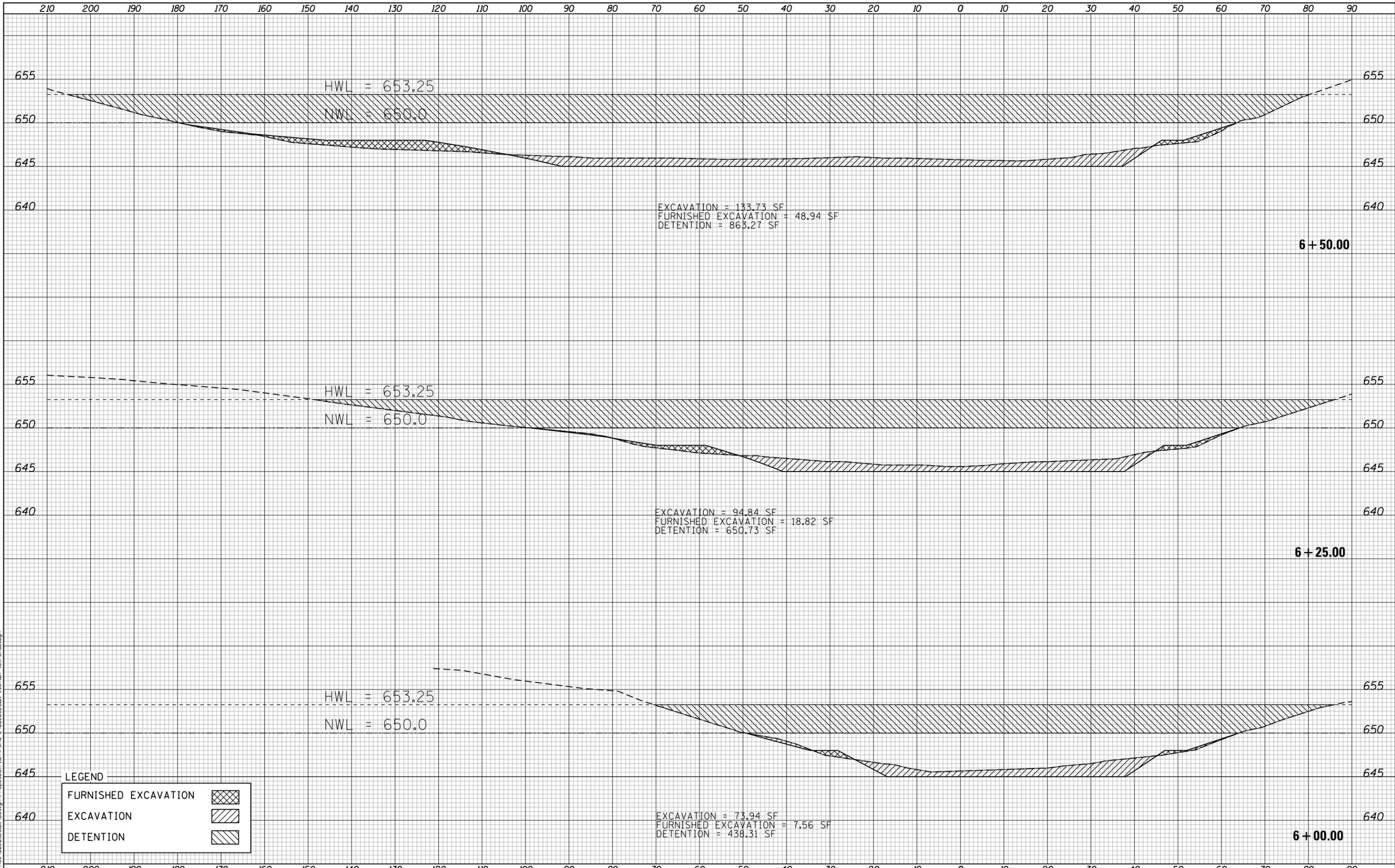
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PLOT DATE = 3/21/2024	DATE - 3/21/2024	REVISED -

VILLAGE OF MOUNT PROSPECT

VILLAGE OF MOUNT PROSPECT KENSINGTON BUSINESS PARK BASIN #2
CROSS SECTIONS

TOTAL SHEETS	SHEET NO.
16	10

SCALE: H: 1"=10', V: 1"=5' SHEET NO. OF SHEETS STA. 5+25.00 TO STA. 5+75.00



LEGEND

FURNISHED EXCAVATION	
EXCAVATION	
DETENTION	

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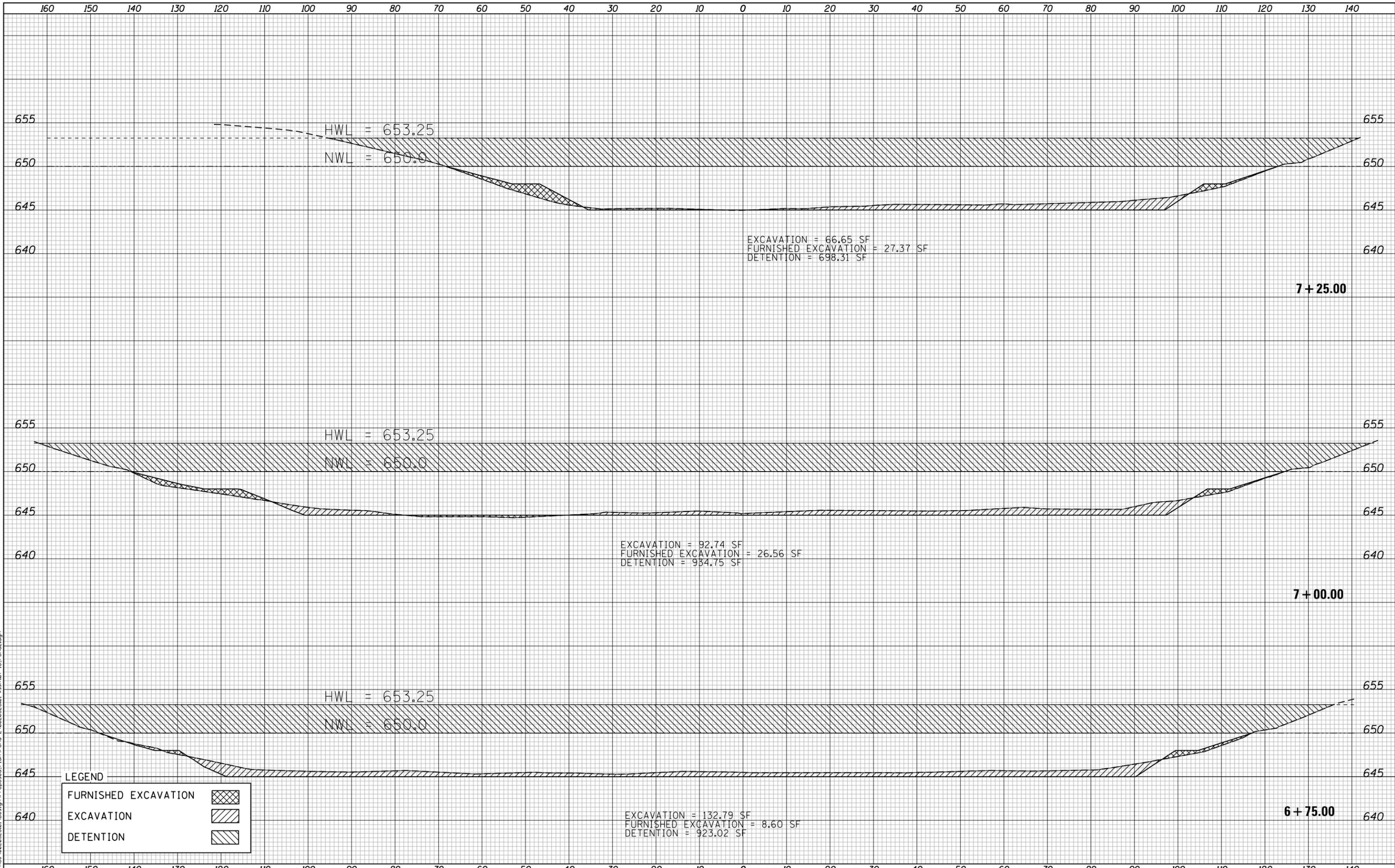
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PLOT DATE = 3/21/2024	DATE - 3/21/2024	REVISED -

VILLAGE OF MOUNT PROSPECT

VILLAGE OF MOUNT PROSPECT KENSINGTON BUSINESS PARK BASIN #2
CROSS SECTIONS

SCALE: H: 1"=10', V: 1"=5' SHEET NO. OF SHEETS STA. 6+00.00 TO STA. 6+50.00

TOTAL SHEETS	SHEET NO.
16	11



LEGEND

FURNISHED EXCAVATION	
EXCAVATION	
DETENTION	

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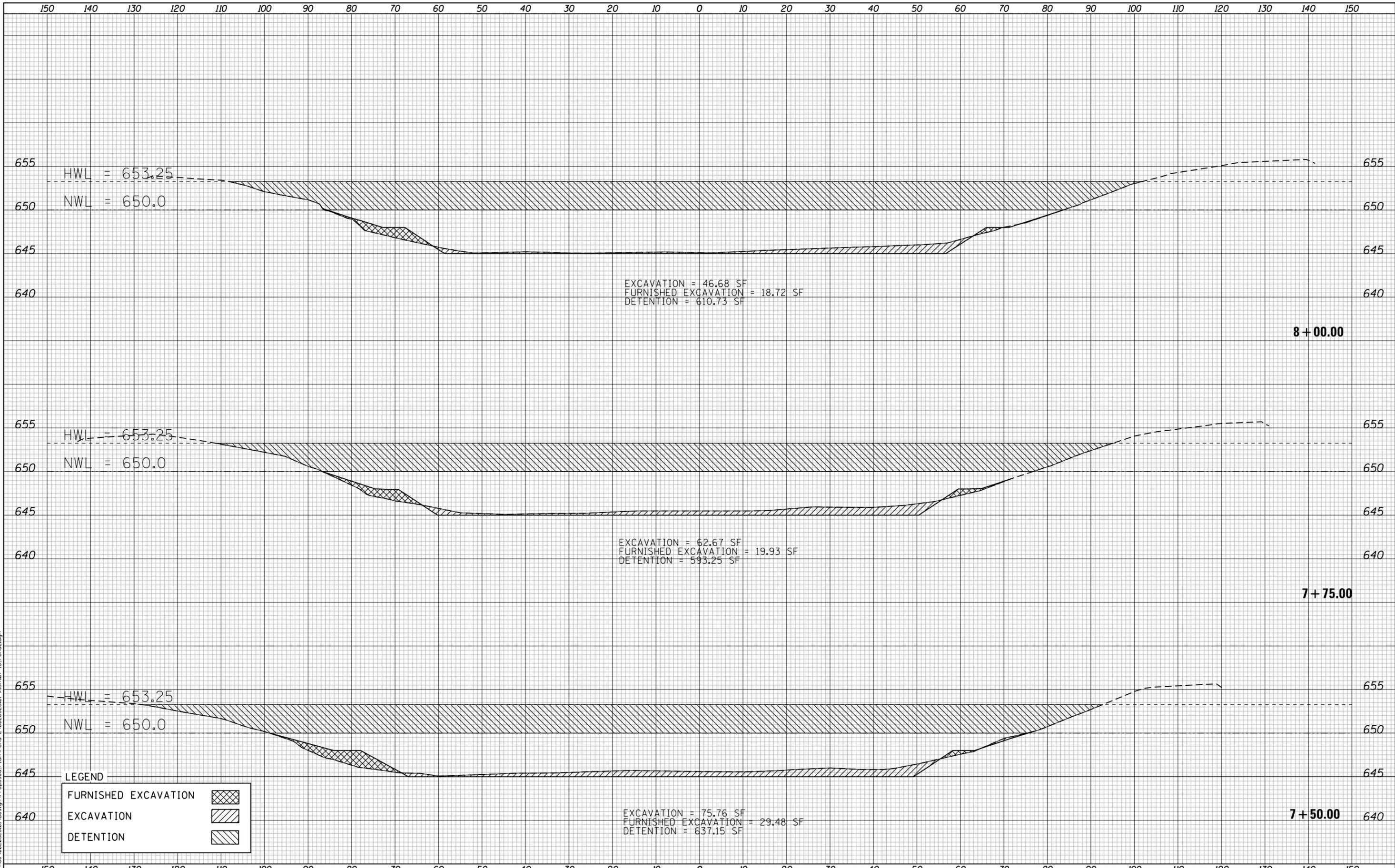
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PLOT DATE = 3/21/2024	DATE - 3/21/2024	REVISED -

VILLAGE OF MOUNT PROSPECT

VILLAGE OF MOUNT PROSPECT KENSINGTON BUSINESS PARK BASIN #2
CROSS SECTIONS

SCALE: H: 1"=10', V: 1"=5'

TOTAL SHEETS	SHEET NO.
16	12



LEGEND

FURNISHED EXCAVATION	
EXCAVATION	
DETENTION	

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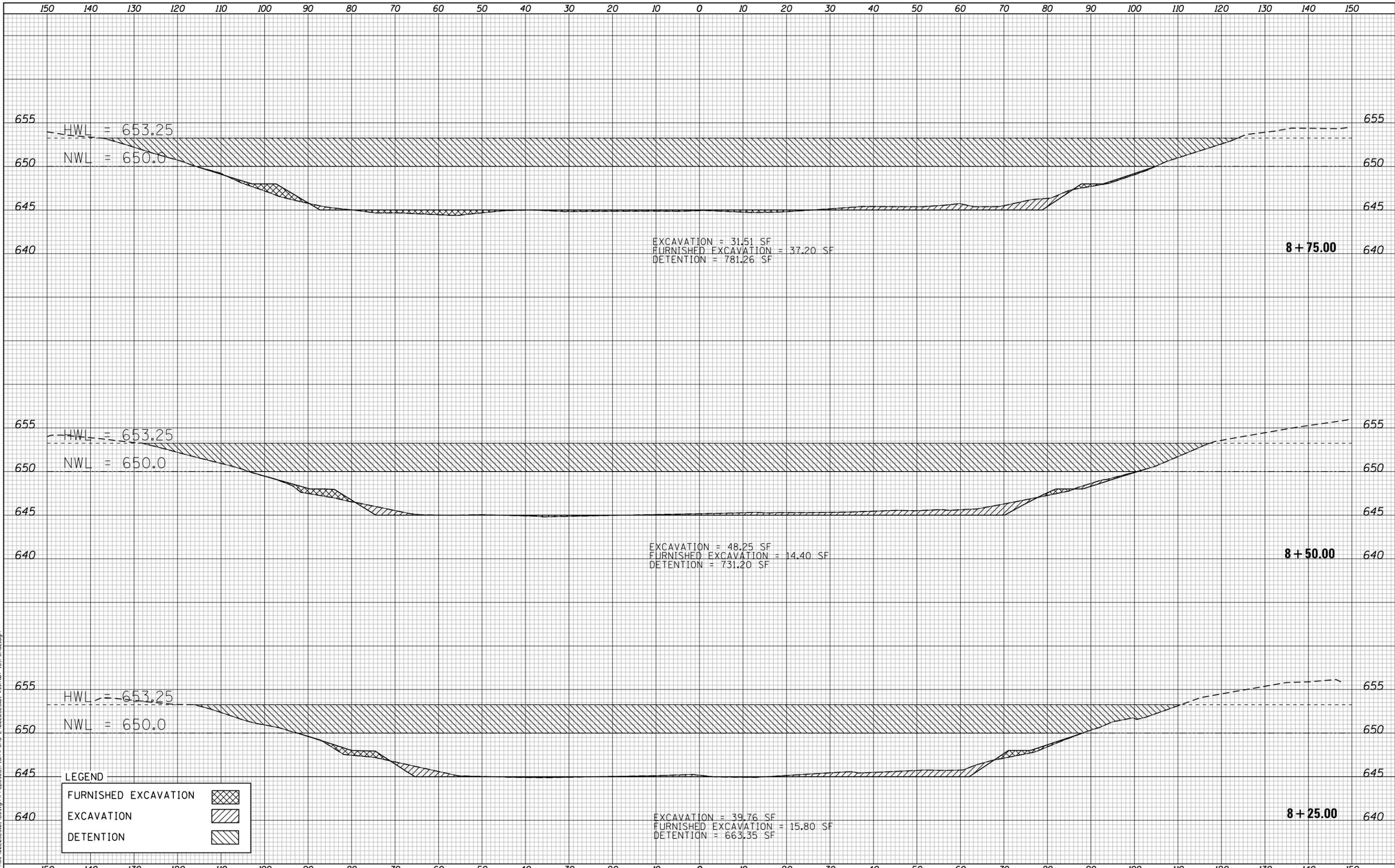
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PLOT DATE = 3/21/2024	DATE - 3/21/2024	REVISED -

VILLAGE OF MOUNT PROSPECT

VILLAGE OF MOUNT PROSPECT KENSINGTON BUSINESS PARK BASIN #2
CROSS SECTIONS

SCALE: H: 1"=10', V: 1"=5' SHEET NO. OF SHEETS STA. 7+50.00 TO STA. 8+00.00

TOTAL SHEETS	SHEET NO.
16	13



LEGEND

FURNISHED EXCAVATION	
EXCAVATION	
DETENTION	

FILE NAME = N:\PROJECTS\2023\23-01\Design\Proposed Plan\Proposed Plan.dwg



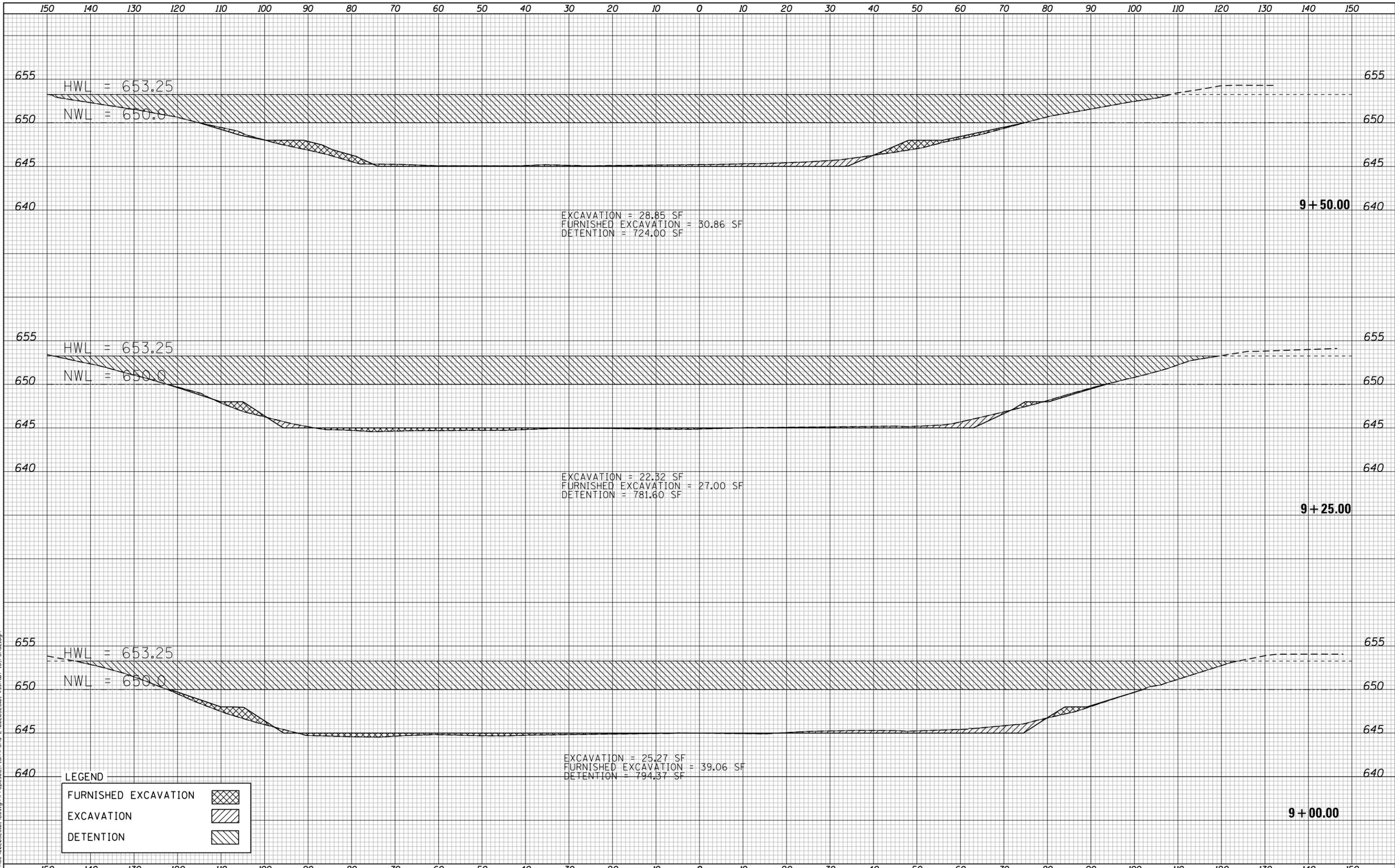
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PLOT SCALE = 20.0000' / in.	CHECKED - TW	REVISED -
PLOT DATE = 3/21/2024	DATE - 3/21/2024	REVISED -

VILLAGE OF MOUNT PROSPECT

VILLAGE OF MOUNT PROSPECT KENSINGTON BUSINESS PARK BASIN #2
CROSS SECTIONS

SCALE: H: 1"=10', V: 1"=5' SHEET NO. OF SHEETS STA. 8+25.00 TO STA. 8+75.00

TOTAL SHEETS	SHEET NO.
16	14



EXCAVATION = 28.85 SF
 FURNISHED EXCAVATION = 30.86 SF
 DETENTION = 724.00 SF

EXCAVATION = 22.32 SF
 FURNISHED EXCAVATION = 27.00 SF
 DETENTION = 781.60 SF

EXCAVATION = 25.27 SF
 FURNISHED EXCAVATION = 39.06 SF
 DETENTION = 794.37 SF

LEGEND

- FURNISHED EXCAVATION
- EXCAVATION
- DETENTION

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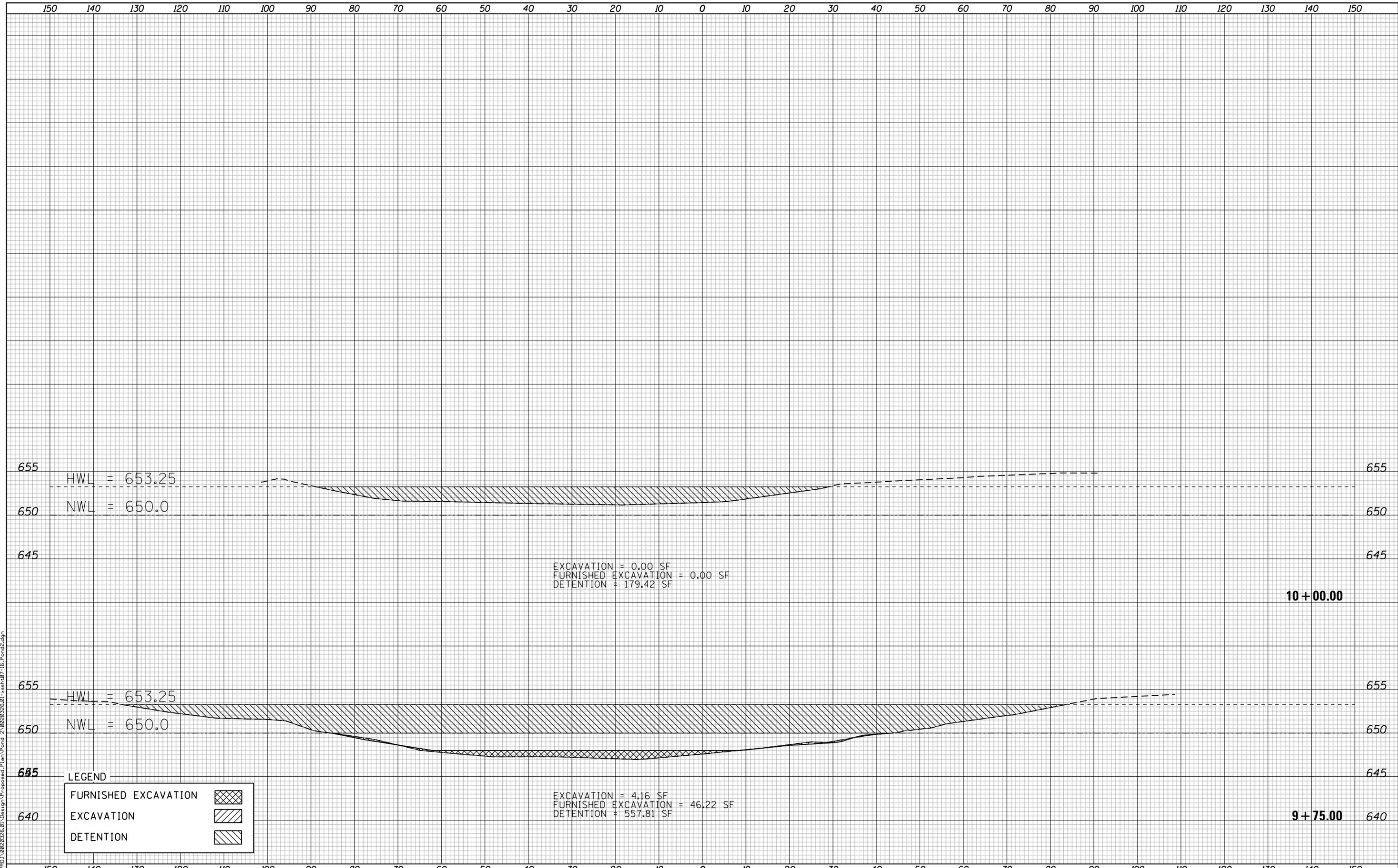
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PLOT DATE = 3/21/2024	DATE - 3/21/2024	REVISED -

VILLAGE OF MOUNT PROSPECT

**VILLAGE OF MOUNT PROSPECT KENSINGTON BUSINESS PARK BASIN #2
 CROSS SECTIONS**

SCALE: H: 1"=10', V: 1"=5' SHEET NO. OF SHEETS STA. 9+00.00 TO STA. 9+50.00

TOTAL SHEETS	SHEET NO.
16	15



FILE NAME = N:\PROJECTS\2023\23-01-Design\Proposed Plan\Proposed 2\022323-01-x-sh-07-16-Proposed.dgn

LEGEND	
FURNISHED EXCAVATION	
EXCAVATION	
DETENTION	



USER NAME = WaterResources	DESIGNED - LVR	REVISED -
	DRAWN - LVR	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - TW	REVISED -
PLOT DATE = 3/21/2024	DATE - 3/21/2024	REVISED -

VILLAGE OF MOUNT PROSPECT

VILLAGE OF MOUNT PROSPECT KENSINGTON BUSINESS PARK BASIN #2				TOTAL SHEETS	SHEET NO.
CROSS SECTIONS				16	16
SCALE: H: 1"=10', V: 1"=5'	SHEET NO.	OF SHEETS	STA. 9+75.00 TO STA. 10+25.00		