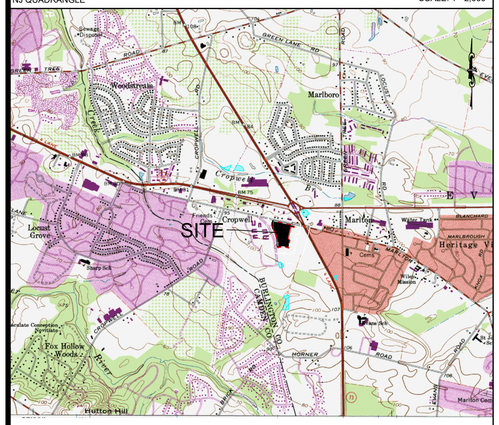
MARLTON CROSSING

BLOCK 24.21, LOT 3, TAX MAP SHEET 4
PRELIMINARY / FINAL SITE PLANS
100 CENTRE BOULEVARD
EVESHAM TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

MOORESTOWN,
NJ QUADRANGLE

U.S.G.S. MAP

SCALE: 1"=2,000'



200-FOOT OWNER'S LIST

THE FOLLOWING IS A LIST OF PROPERTY OWNERS LOCATED WITHIN 200 FEET OF BLOCK 24.21, LOT 3 AS PROVIDED BY THE EVESHAM TOWNSHIP TAX ASSESSOR ON JUNE 2, 2025.

BLOCK	LOT	PROPERTY OWNER
22.01	22	NNN REIT, INC 450 SOUTH ORANGE AVE #900 ORLANDO, FL 32801
22.02	28	J LIEBMAN WELLNESS LLC 100 MARLTON PIKE WEST MARLTON, NJ 08053
22.02	29	LIEBMAN, JESSEE & LISA 100 MARLTON PIKE WEST MARLTON, NJ 08053
22.02	31.01	GENESIS EVESHAM URBAN RENEWAL LLC 140 ALLEN RD BASKING RIDGE, NJ 07920
22.02	38	LAHN REAL ESTATE INC 108 CENTRE BLVD - SUITE 1 MARLTON, NJ 08053
24.01	1	MARLTON MEETING CONDOMINIUM 270 KIPS COURT MARLTON, NJ 08053
24.01	1 C0203	HOH, MATTHEW 203 HUNTER COURT MARLTON, NJ 08053
24.01	1 C0204	TOMASELLO, LAURA A 204 HUNTER COURT MARLTON, NJ 08053
24.01	1 C0205	205 HUNTER COURT, LLC 8 W ROLAND AVE MAPLE SHADE, NJ 08052
24.01	1 C0206	LASHKO, DARYA & VASYL 206 HUNTER COURT MARLTON, NJ 08053
24.01	1 C0207	BURNS, LINDSAY M 30 MILL PARK LANE MARLTON, NJ 08053
24.01	1 C0208	HOLLERAN, KEVIN A 208 HUNTER COURT MARLTON, NJ 08053
24.01	1 C0209	DON INV, LLC 60 WELLESLEY WAY MARLTON, NJ 08053
24.01	1 C0210	TWUM, AKUA S 210 JAMES COURT MARLTON, NJ 08053
24.01	1 C0211	KURAKOSE, KOOTTALA & VALSA ET AL 62 SLEEPY HOLLOW DR TABERNACLE, NJ 08088
24.01	1 C0212	CHENG, YANG PO BOX 112 MARLTON, NJ 08053
24.01	1 C0237	SONNENBERG, ROSALIE L/E & TRSTEES 237 JAMES COURT MARLTON, NJ 08053
24.01	1 C0238	GARACH, RAMESH & REKHA 238 JAMES COURT MARLTON, NJ 08053
24.01	1 C0239	BRYANT, CHARLES M 239 JAMES COURT MARLTON, NJ 08053
24.01	1 C0240	NAYLOR, WYNNE J 240 JAMES COURT MARLTON, NJ 08053
24.01	1 C0241	KULKARNI, DURGESH & REGE, H 170 MAPLE HILL DR WOOLWICH, NJ 08085
24.01	1 C0242	MANTRY, KIRAN 409 ARNOLD DR FLORENCE, NJ 08518
24.01	1 C0243	GOLD, MAZAL 15 GAYLORN LANE MARLTON, NJ 08053
24.01	1 C0244	SHAH, SIMANT K 15 COUNTRY LANE MULLICA HILL, NJ 08062
24.01	1 C0245	SHRADER, NANCY L 245 KIPS COURT MARLTON, NJ 08053
24.01	1 C0246	FOTI, AUDREY A & JENNIFER L 246 KIPS COURT MARLTON, NJ 08053
24.02	1	MARLTON CROSSING LLC 108 E CENTRE BLVD MARLTON, NJ 08053
24.20	1	MARLTON MEADOWS CONDOMINIUM ASSOC 555 LINCOLN DR W STE 100 MARLTON, NJ 08053
24.20	1 C0309	DIBELLA, SUZANNE J 309 HUNTER COURT MARLTON, NJ 08053
24.20	1 C0310	SCHATZ, KENNETH I 701 COOPER RD STE 7 VOORHEES, NJ 08043
24.20	1 C0311	311 HUNTER COURT, LLC 711 LINDSEY CT MARLTON, NJ 08053
24.20	1 C0312	DAHMS, MICHAEL S 312 HUNTER COURT MARLTON, NJ 08053
24.20	1 C0313	VAUJK, JOHN M 313 HUNTER COURT MARLTON, NJ 08053
24.20	1 C0314	STEENSTRA, LAURA 314 HUNTER COURT MARLTON, NJ 08053
24.20	1 C0401	PATEL, TAHERA & SADIQ, SYED 401 LINDSEY COURT MARLTON, NJ 08053
24.20	1 C0402	MAMMARELLA, NATHAN J 402 LINDSEY COURT MARLTON, NJ 08053
24.20	1 C0403	HAIM, YANIV & ZIVIT P.O. BOX 413 CHERRY HILL, NJ 08003
24.20	1 C0404	KIM, SAMANTHA H 601 MAGNOLIA COURT MARLTON, NJ 08053
24.20	1 C0406	GUERRERO, ROBERT J & VICTORIA M 406 LINDSEY COURT MARLTON, NJ 08053
24.20	1 C0407	MACKIN, MARE L 110 FRONT STREET FEASTERVILLE, PA. 19053
24.20	1 C0408	DELIA, MATTHEW 70 DECATUR AVENUE SEASIDE PARK, NJ 08752
24.21	2	MARLTON PLAZA ASSOC II%THOMPSON PTS 200 RIDGE PIKE, SUITE 100 CONSHOHOCKEN, PA. 19428
24.22	1.01	MARLTON WOODS HOA %HAWEYE PROP MNGT P.O. BOX 3182 MARGATE, NJ. 08402
24.22	25	SYKES, LEILA A & PARROTT, M Y 45 TUDOR COURT MARLTON, NJ 08053
24.22	26	DUMONT, CHARLES & SUSAN D 48 TUDOR COURT MARLTON, NJ 08053
24.22	27	DUNN, CONOR & KATHLEEN 46 TUDOR COURT MARLTON, NJ 08053
24.22	28	ORLANDO, ANTHONY R III & JESSEL, CYNTH 44 TUDOR COURT MARLTON, NJ 08053

SOURCE:
1. EVESHAM TOWNSHIP TAX MAPS.
2. NJ-GEOWEB WETLANDS (2012).
3. NEARMAP IMAGE (2/22/2025).

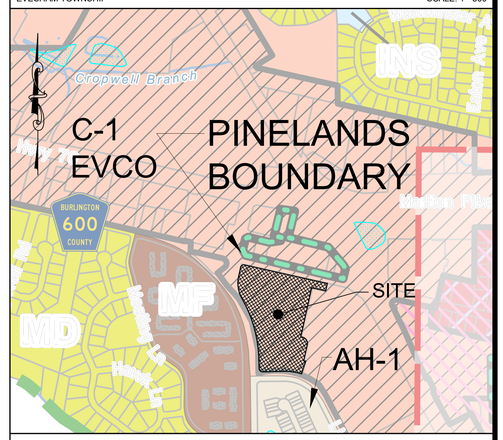
LOCATION MAP

SCALE: 1" = 200'

EVESHAM TOWNSHIP

ZONING MAP

SCALE: 1"=500'



ZONING KEY

AH-1 = AFFORDABLE HOUSING
C-1= COMMERCIAL 1
MD= MEDIUM DENSITY
MF= MULTI-FAMILY
INS= INSTITUTIONAL
EVCO= EVESHAM CROSSROADS OVERLAY

SHEET INDEX

SHEET NUMBER	SHEET TITLE
1	TITLE SHEET
2	DEMOLITION PLAN
3	OVERALL SITE PLAN
4	SITE PLAN
5	SITE PLAN
6	OVERALL GRADING PLAN
7	GRADING PLAN
8	GRADING PLAN
9	OVERALL UTILITY PLAN
10	UTILITY PLAN
11	UTILITY PLAN
12	SOIL EROSION & SEDIMENT CONTROL PLAN
13	SOIL EROSION, SEDIMENT CONTROL DETAILS & NOTES
14	SOIL COMPACTION MITIGATION PLAN
15	OVERALL LANDSCAPE & LIGHTING PLAN
16	LANDSCAPE PLAN
17	LANDSCAPE PLAN
18	LIGHTING PLAN
19	LIGHTING PLAN AND DETAILS
20	LANDSCAPE DETAILS
21	PROFILES
22	CONSTRUCTION DETAILS
23	CONSTRUCTION DETAILS
24	E.M.U.A. CONSTRUCTION DETAILS
25	CIRCULATION PLAN
26	TREE PLANTING AND REMOVAL PLAN

TOWNSHIP CERTIFICATION

THIS PLAN IS HEREBY APPROVED BY THE PLANNING BOARD OF EVESHAM TOWNSHIP.

PLANNING BOARD CHAIRPERSON — DATE

PLANNING BOARD SECRETARY — DATE

PLANNING BOARD ENGINEER — DATE

MUNICIPAL CLERK — DATE

REVISION NO. 1: REVISED PLAN SET TO ADDRESS COMPLETENESS PER ERI REVIEW LETTER DATED 8/1/2025.

UTILITY COMPANIES

THE FOLLOWING IS A LIST OF PUBLIC UTILITY, CABLE TELEVISION COMPANY, OR LOCAL UTILITY WHICH POSSESSES A RIGHT-OF-WAY OR EASEMENT WITHIN THE MUNICIPALITY AND WHICH HAS REGISTERED WITH THE MUNICIPALITY TO RECEIVE NOTICE.

EVESHAM MUNICIPAL UTILITY AUTHORITY
100 SHARP ROAD
MARLTON, NJ 08053

PUBLIC SERVICE ELECTRIC & GAS
MANAGER-CORPORATE PROPERTIES
80 PARK PLAZA, T6B
NEWARK, NJ 07102

VERIZON NJ
PO BOX 2749
ADDISON, TX 75001

CONECTIV REAL ESTATE DEPARTMENT
3100 HARDING HIGHWAY, SUITE 399
MAYS LANDING, NJ 08330

COMCAST CABLE TV
PO BOX 5025
CHERRY HILL, NJ 08034

SOUTH JERSEY GAS
1 SO. JERSEY PLAZA, ROUTE 54
FOLSOM, NJ 08037

NOTE:
BEFORE PERFORMING ANY WORK, THE CONTRACTOR SHALL CALL 1-800-272-1000 FOR A MARK OUT OF ALL UNDERGROUND UTILITIES.

OWNER

MARLTON CROSSING LLC
108 E. CENTRE BLVD
EVESHAM, NJ 08053
(609) 381-5459
cfrater@cdrealtyadv.com

APPLICANT

MARLTON CROSSING DEV AMS LLC
1 BRIDGE PLAZA NORTH, SUITE 840
FORT LEE, NJ 07024
(212) 695-7585 x309
rhedaya@amsacquistions.com

OUTSIDE AGENCY APPROVAL

LIST OF REQUIRED APPROVALS	STATUS	APPLICATION/PERMIT NO.
EVESHAM TOWNSHIP PLANNING BOARD	PENDING	
BURLINGTON COUNTY PLANNING BOARD	PENDING	
EVESHAM MUNICIPAL UTILITY AUTHORITY	PENDING	
BURLINGTON COUNTY SOIL CONSERVATION DISTRICT	PENDING	
NJDEP TREATMENT WORKS APPROVAL	PENDING	
NJDEP SIMPLIFIED WATER MAIN CERTIFICATION	PENDING	
NJDEP CONSTRUCTION ACTIVITY (5G3)	PENDING	

DESIGNED: VK/VS/RH | DRAWN: AMH | CHECKED: VK
DATE SIGNED: 8/28/2025

REVISIONS

NO.	DATE
1	8/28/25

VLADISLAV KOLDOMASOV
N.J. PROFESSIONAL ENGINEER NO. 24GE05529600

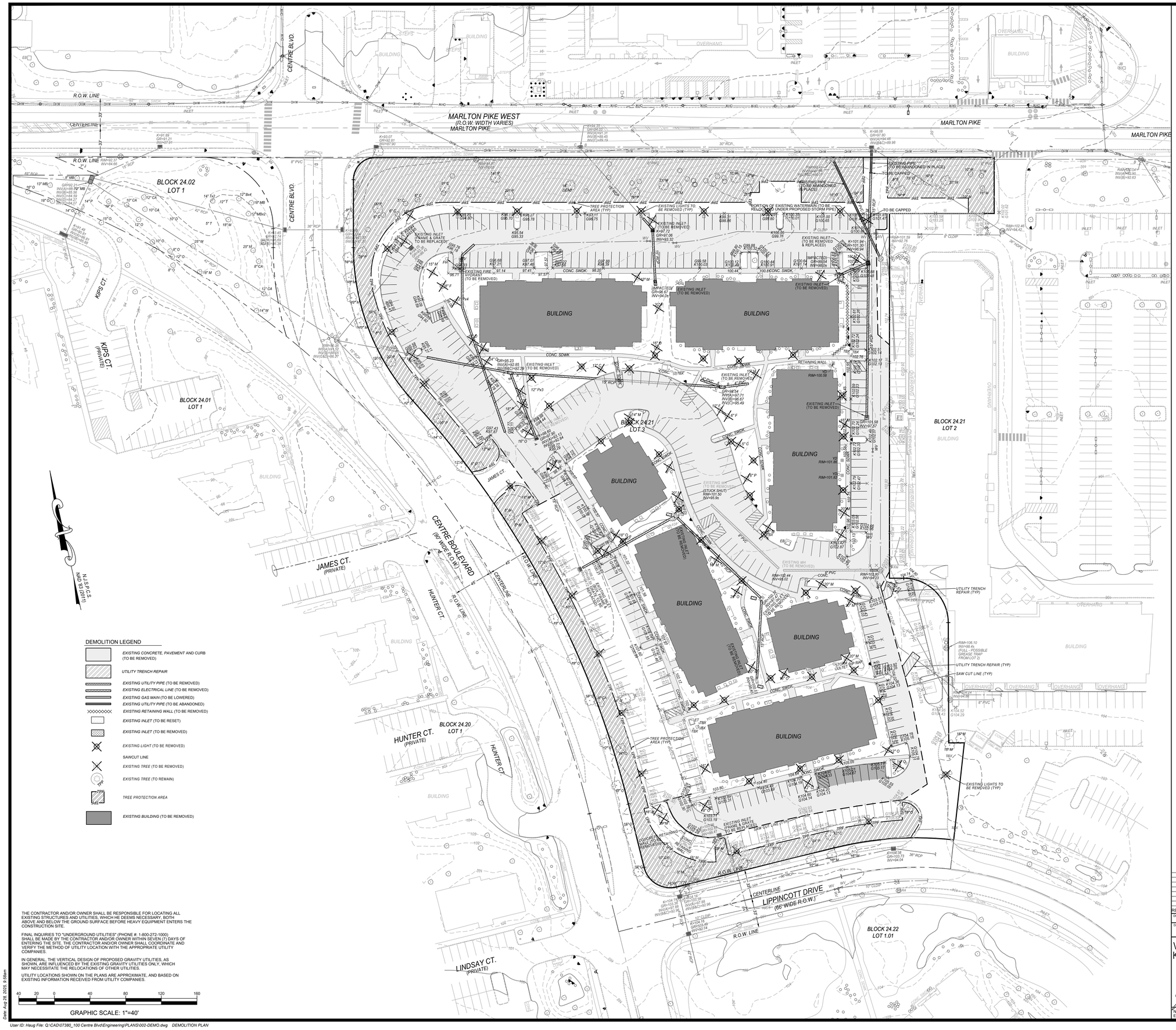
SCALE: AS SHOWN | DATE: JUNE 26, 2025 | DRAWING NO.: 025-07380-SP | SHEET: 1 OF 26

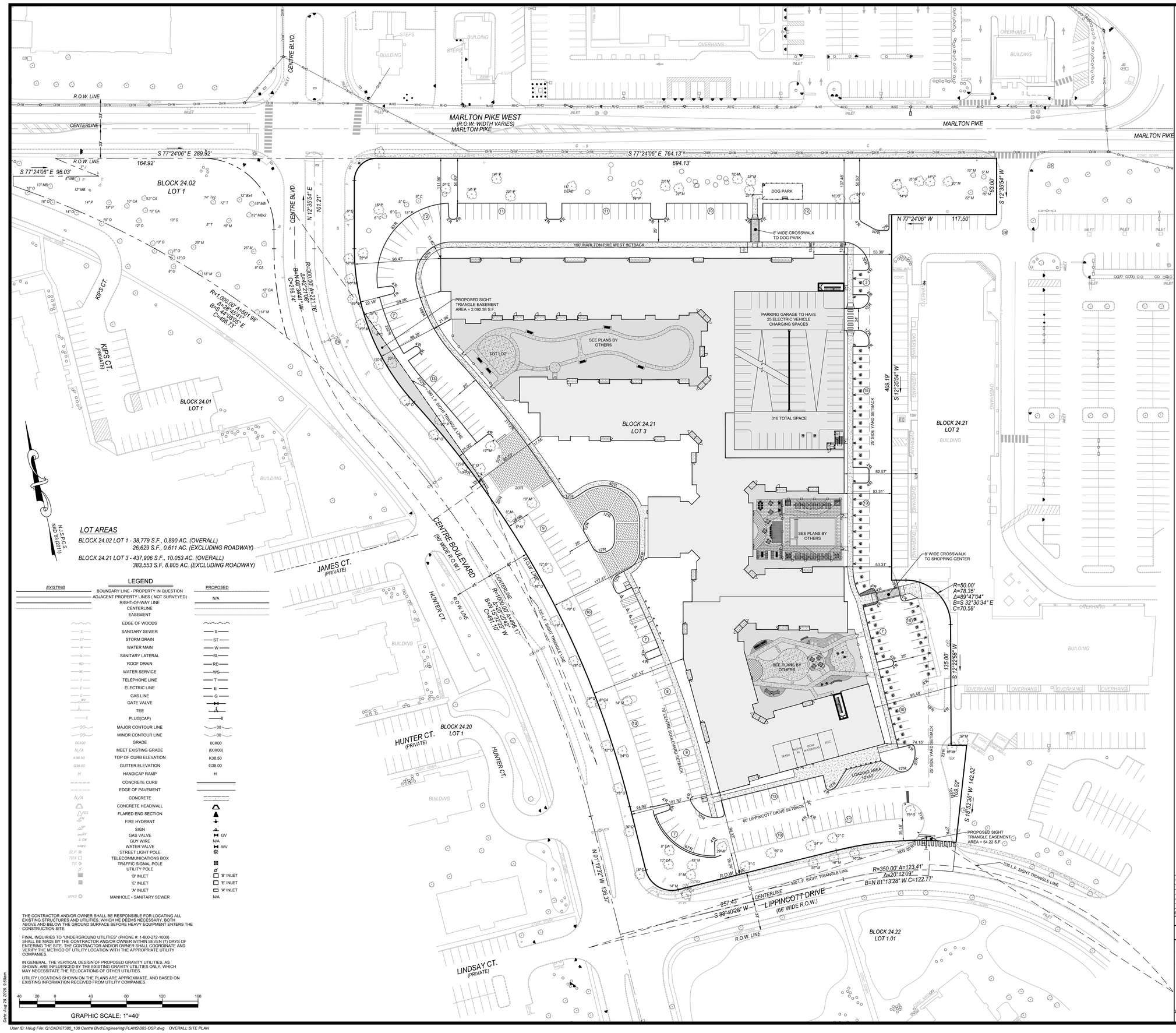
TITLE SHEET

MARLTON CROSSING
BLOCK 24.21, LOT 3, TAX MAP SHEET 4
100 CENTRE BOULEVARD
EVESHAM TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

Taylor Wiseman & Taylor
ENGINEERS / SURVEYORS / SCIENTISTS
SUBSURFACE UTILITY ENGINEERING
804 EAST GATE DRIVE, SUITE 100, MOUNT LAUREL, NJ 08054
TELEPHONE: (856) 235-7200 FAX: (856) 722-9250 www.taylorwiseman.com
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28032900

Date: Aug 28, 2025, 10:55am
User ID: Haug File: Q:\CAD\07380_100 Centre Blvd\Engineering\PLANS\001-TS.dwg TITLE SHEET


MARLTON PIKE WEST
(R.O.W. WIDTH VARIES)
MARLTON PIKE
MARLTON PIKE
CENTRE BLVD.
CENTRE BLVD.
R.O.W. LINE
CENTERLINE
R.O.W. LINE
BLOCK 24.02
LOT 1
KIPS CT.
KIPS CT.
(PRIVATE)
BLOCK 24.01
LOT 1
BUILDING
BUILDING
BUILDING
BUILDING
BUILDING
BUILDING
BUILDING
BUILDING
BLOCK 24.21
LOT 3
BLOCK 24.21
LOT 2
BLOCK 24.20
LOT 1
BLOCK 24.22
LOT 1.01
CENTRE BOULEVARD
(60' WIDE R.O.W.)
JAMES CT.
(PRIVATE)
HUNTER CT.
(PRIVATE)
HUNTER CT.
LINDSAY CT.
(PRIVATE)
LIPPINCOTT DRIVE
(66' WIDE R.O.W.)
CENTERLINE
R.O.W. LINE
R.O.W. LINE
CENTERLINE
TREE PROTECTION AREA (TYP)
EXISTING LIGHTS TO BE REMOVED (TYP)
PORTION OF EXISTING WATERMAIN (TO BE RELOCATED UNDER PROPOSED STORM SEWER)
EXISTING FIRE HYDRANT (TO BE REMOVED)
EXISTING INLET (TO BE REMOVED & REPLACED)
EXISTING INLET (TO BE REMOVED)
EXISTING INLET (TO BE REMOVED)
EXISTING INLET (TO BE REMOV



NOTES:

OWNER: MARLTON CROSSING LLC
108 E. CENTRE BLVD
EVESHAM, NJ 08053
(609) 381-5459
dfrafer@cdrealtyadv.com

APPLICANT: MARLTON CROSSING DEV AMS LLC
1 BRIDGE PLAZA NORTH, SUITE 840
FORT LEE, NJ 07024
(212) 695-7585 x309
rhedaya@jamsacquisitions.com

1. TRACT IS IDENTIFIED AS BLOCK 24.21, LOT 3 ON TAX MAP SHEET 4 OF EVESHAM TOWNSHIP, BURLINGTON COUNTY, NJ.
2. OUTBOUND AND TOPOGRAPHIC INFORMATION TAKEN FROM PLAN ENTITLED, "PLAN OF SURVEY & TOPOGRAPHY, BLOCK 24.02 LOT 1 & BLOCK 24.21 LOT 3, 80 & 100 CENTRE BOULEVARD, EVESHAM TOWNSHIP, BURLINGTON COUNTY, NEW JERSEY" DRAWING NO. 2025-07380-SUR, PREPARED BY TAYLOR WISEMAN & TAYLOR, DATED MAY 1, 2025.
3. CURRENT TRACT ZONING DISTRICT: C1 - COMMERCIAL DISTRICT (EVESHAM CROSSROAD OVERLAY DISTRICT).
4. PROPOSED TRACT ZONING DISTRICT: CENTRE BOULEVARD REDEVELOPMENT PLAN AREA.
5. HORIZONTAL DATUM BASED ON N.J.S.P.C.S. NAD '83 (2011). VERTICAL DATUM BASED ON NAVD 1988.
6. PLANIMETRIC AND TOPOGRAPHIC FEATURES SHOWN ARE TAKEN FROM A FIELD SURVEY BY TAYLOR WISEMAN & TAYLOR IN MARCH AND APRIL 2025 AND SUPPLEMENTED WITH CONTOURS AND FEATURES EXTRACTED FROM UAS BASED LIDAR DATASET COLLECTED BY TWT GEOSPATIAL ON 03/14/2025 AND TRANSLATED TO GCS (HOR: NAD83; VER: NAVD88, GEOID 18 CONUS, EPSG 6527). DATA HAS BEEN PREPARED TO MEET NATIONAL MAPPING STANDARDS. LIDAR DATA REPRESENTS CONDITIONS AT THE TIME OF COLLECTION AND DO NOT ACCOUNT FOR TEMPORAL CHANGES THAT MAY HAVE OCCURRED UNLESS SPECIFICALLY NOTED.
7. THE LOCATION OF UNDERGROUND UTILITIES, IF ANY, ARE APPROXIMATE. ALL LOCATIONS ILLUSTRATED ARE BASED UPON UTILITY MARKOUT AND ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD. THE STATE OF NEW JERSEY REQUIRES NOTIFICATION PRIOR TO ANY EXCAVATION BY UTILIZING THE NEW JERSEY ONE-CALL SYSTEM (1-800-272-1000).
8. ALL MATERIALS, METHODS AND DETAILS OF CONSTRUCTION IMPROVEMENTS SHALL CONFORM TO THE REGULATIONS OF THE TOWNSHIP OF EVESHAM, THE EVESHAM TOWNSHIP M.U.A., THE COUNTY OF BURLINGTON, THE STATE OF NEW JERSEY AND/OR THE APPROPRIATE UTILITY COMPANY, WHICHEVER REGULATION TAKES PRECEDENCE.
9. THE CONTRACTOR AND/OR OWNER SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING STRUCTURES AND UTILITIES, WHICH HE DEEMS NECESSARY, BOTH ABOVE AND BELOW THE GROUND SURFACE BEFORE HEAVY EQUIPMENT ENTERS THE CONSTRUCTION SITE.
10. FINAL INQUIRIES TO "UNDERGROUND UTILITIES" (PHONE #: 1-800-272-1000) SHALL BE MADE BY THE CONTRACTOR AND/OR OWNER WITHIN SEVEN (7) DAYS OF ENTERING THE SITE. THE CONTRACTOR AND/OR OWNER SHALL COORDINATE AND VERIFY THE METHOD OF UTILITY LOCATION WITH THE APPROPRIATE UTILITY COMPANIES.
11. IN GENERAL, THE VERTICAL DESIGN OF PROPOSED GRAVITY UTILITIES, AS SHOWN, ARE INFLUENCED BY THE EXISTING GRAVITY UTILITIES ONLY, WHICH MAY NECESSITATE THE RELOCATIONS OF OTHER UTILITIES.
12. ALL REINFORCED CONCRETE STORM DRAIN PIPE SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-76 AND SHALL BE CLASS III, WALL "B" PIPE EXCEPT WHERE NOTED ON THE PLANS JOINT DESIGN AND MATERIAL FOR CIRCULAR PIPE SHALL CONFORM TO ASTM C-443.
13. ALL CONCRETE SHALL BE 4,000 P.S.I. AT 28 DAY COMPRESSIVE STRENGTH.
14. GAS, ELECTRIC, TELEPHONE, CABLE TV AND STREET LIGHTING SHALL BE INSTALLED UNDERGROUND THROUGHOUT THE SITE IN ACCORDANCE WITH REGULATIONS OF THE LOCAL UTILITY COMPANIES AND EVESHAM TOWNSHIP.
15. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. SIGN MATERIALS SHALL BE MADE OF REFLECTIVE SHEETING MEETING MUTCD STANDARDS; ON ALUMINUM BLANKS MOUNTED ON STEEL U-CHANNEL POSTS. ALL CONFORMING TO N.J.D.O.T. STANDARD SPECIFICATIONS. STRIPING SHALL BE THERMOPLASTIC OR LONG-LIFE EPOXY.
16. ALL DEMOLITION MATERIALS AND DEBRIS SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
17. ALL AREAS NOT COVERED BY PAVEMENT, SIDEWALK OR BUILDINGS ARE TO BE COVERED WITH SIX (6) INCHES OF COMPACTED TOPSOIL.
18. UNDERDRAINS SHALL BE INSTALLED AS DIRECTED BY THE TOWNSHIP ENGINEER AT THE TIME OF CONSTRUCTION.
19. PARCEL IS LOCATED IN AREA OF MINIMAL FLOOD HAZARD ZONE "X" (AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN) AS PER THE "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, TOWNSHIP OF EVESHAM, BURLINGTON COUNTY, NEW JERSEY" COMMUNITY PANEL NUMBER 34005C0243F, EFFECTIVE DATE: DECEMBER 21, 2017.
20. ALL FIRE HYDRANTS MUST BE CAPABLE OF DELIVERING A MINIMUM OF 1,000 GALLON PER MINUTE OF WATER.
21. FIRE LANE SIGNAGE AND YELLOW CURB PAINTING IS TO BE INSTALLED THROUGHOUT THE PARKING LOT TO IDENTIFY "NO PARKING ZONES" IN ACCORDANCE WITH IFC SECTION 503.3.
22. ALL PROPOSED RETAINING WALLS ON-SITE WILL REQUIRE FINAL PROJECT SPECIFIC DESIGN BY A QUALIFIED, LICENSED PROFESSIONAL ENGINEER AND SUBMITTED TO THE TOWNSHIP ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ANY CONSTRUCTION.
23. ALL TRAFFIC STRIPING SHALL BE LONG LASTING EPOXY PAINT UNLESS SPECIFIED OTHERWISE.
24. THE OWNER, OR HIS REPRESENTATIVE, IS TO DESIGNATE AN INDIVIDUAL RESPONSIBLE FOR CONSTRUCTION SITE SAFETY DURING THE COURSE OF SITE IMPROVEMENTS PURSUANT TO N.J.A.C. 5:23-2.21(e) IF THE N.J. UNIFORM CONSTRUCTION CODE AND CFR 1926.32 (f) (OSHA COMPETENT PERSON).
25. ALL DIMENSIONS SHOWN ARE TO BOTTOM FACE OF CURB, EDGE OF PAVEMENT, OR EDGE OF BUILDING, EXCEPT WHEN DIMENSION IS TO A PROPERTY LINE, STAKE OUT OF LOCATIONS OF INLETS, LIGHT POLES, ETC. MUST BE PERFORMED IN STRICT ACCORDANCE WITH THE DETAILS, UNLESS NOTED CLEARLY OTHERWISE.
26. WHEN APPLICABLE, OWNER/OPERATOR MUST FILE THE 5G3 CONSTRUCTION ACTIVITY STORMWATER (GP) AT APPROPRIATE AND/OR REQUIRED TIME FRAMES BASED UPON THE DESIRED START OF CONSTRUCTION. LAND DISTURBANCE ACTIVITIES MUST NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED FROM GOVERNING AUTHORITIES (INCLUDING STORMWATER POLLUTION PREVENTION PLAN, PER NJDEP REQUIREMENTS). THE CONTRACTOR MUST STRICTLY ADHERE TO THE APPROVED SWPPP PLAN DURING CONSTRUCTION OPERATIONS (IF REQUIRED).
27. THE CONTRACTOR MUST REPAIR OR REPLACE, AT THE CONTRACTOR'S SOLE COST AND EXPENSE, ALL SIDEWALKS, CURBS, AND PAVEMENT DAMAGED BY CONSTRUCTION ACTIVITIES WHETHER SPECIFIED ON THIS PLAN OR NOT.
28. AMENITY COURTYARD SCHEMATIC DESIGN AND DETAILS ARE PREPARED BY BOHLER DATED MAY 27, 2025, REVISED TO JULY 22, 2025.

LOT REQUIREMENT (PER CENTRE BOULEVARD REDEVELOPMENT PLAN)

ITEM	PERMITTED	EXISTING	PROPOSED	STATUS
MINIMUM LOT SIZE	3.0 ACRES	8.805± ACRES	NO CHANGE	COMPLIANT
MINIMUM LOT FRONTAGE LIPPINCOTT DRIVE OLD MARLTON PIKE WEST CENTRE BOULEVARD	200 FEET	317.48 FT 694.13 FT 942.96 FT	NO CHANGE	COMPLIANT
MINIMUM LOT DEPTH	300 FEET	356.43 FEET	NO CHANGE	COMPLIANT
MAXIMUM IMPERVIOUS COVERAGE	70%	61.7%	64.1%	COMPLIANT
MINIMUM SIDE YARD, EACH SIDE	25 FEET	55.00	53.30	COMPLIANT
MINIMUM FRONT YARD LIPPINCOTT DRIVE CENTRE BOULEVARD OLD MARLTON PIKE WEST	25 FEET 60 FEET 70 FEET 100 FEET	N/A 102.14 FEET 98.61 FEET 136.09 FEET	N/A 94.33 FEET 85.55 FEET 107.48 FEET	COMPLIANT
MINIMUM REAR YARD	50 FEET	N/A	N/A	COMPLIANT
MINIMUM BUILDING SETBACK FROM STREET OR DRIVE AISLE	12 FEET	13.87 FEET	13.88 FEET	COMPLIANT
MAXIMUM BUILDING HEIGHT	4 STORIES AND 55 FEET	UNKNOWN	4 STORY 48'-2"	COMPLIANT
MINIMUM BUILDING SETBACK FROM ANOTHER BUILDING	25 FEET	22.17 FEET	N/A	COMPLIANT
MAXIMUM NUMBER OF UNITS MULTIFAMILY	325 UNITS	N/A	325 UNITS	COMPLIANT
PARKING LOT SETBACKS				
MINIMUM SETBACK FROM RIGHT-OF-WAY	20 FEET	24.90 FEET	22.15 FEET	COMPLIANT

BUILDING UNIT MATRIX

USE	TYPE	UNITS
RESIDENTIAL	STUDIO	30
RESIDENTIAL	ONE-BEDROOM	116
RESIDENTIAL	TWO-BEDROOM	161
RESIDENTIAL	THREE-BEDROOM	18
	TOTAL	325

OFF-STREET PARKING REQUIREMENTS

USE	REQUIREMENT	PROPOSED	SPACES REQUIRED
RESIDENTIAL USE	1.7 SPACE PER UNIT	325 UNITS	553 SPACES
EV CHARGING CREDIT	2.0 CREDIT PER EV SPACES (10% MAX OF REQUIRED)	83 EV SPACES	(55 EV SPACE CREDIT)
		TOTAL REQUIRED	498 SPACES

1. CENTRE BOULEVARD REDEVELOPMENT PLAN - CHAPTER 118A, PREPARED BY HEYER, GRUEL & ASSOCIATES, DATED JANUARY 17, 2025.

2. AT LEAST 15 PERCENT OF THE REQUIRED OFF-STREET PARKING SHALL BE EVSE AND MAKE-READY FOR MULTI-FAMILY. THEREFORE A MINIMUM OF 83 EVSE / MAKE READY PARKING SPACES ARE REQUIRED. (553 x 0.15) = 83

OFF-STREET PARKING PROVIDED

TYPE	SIZE	SPACES PROVIDED
STANDARD GARAGE PARKING	9' x 18'	309
GARAGE PARKING (ADA)	8' x 18'	5
GARAGE PARKING (ADA VAN ACCESSIBLE)	8' x 18'	2
STANDARD SURFACE PARKING	9' x 18'	233
SURFACE PARKING (ADA)	8' x 18'	2
SURFACE PARKING (ADA VAN ACCESSIBLE)	8' x 18'	2
	TOTAL PROPOSED	553 SPACES

MARLTON CROSSING - BUILDING MATRIX

GSF GROUND FLOOR	GSF SECOND FLOOR	GSF THIRD FLOOR	GSF FOURTH FLOOR	GSF ALL FLOORS	NUMBER OF UNITS
116,410	105,140	105,140	105,140	443,100	325

*LOBBY/AMENITY TOTALING 12,700 SF

REVISION NO. 1: REVISED PLAN SET TO ADDRESS COMPLETENESS PER ERI REVIEW LETTER DATED 8/1/2025.

LOT AREAS

BLOCK 24.02 LOT 1 - 38,779 S.F., 0.890 AC. (OVERALL)
26,629 S.F., 0.611 AC. (EXCLUDING ROADWAY)

BLOCK 24.21 LOT 3 - 437,906 S.F., 10.053 AC. (OVERALL)
383,553 S.F, 8.805 AC. (EXCLUDING ROADWAY)

LEGEND

EXISTING		PROPOSED
	BOUNDARY LINE - PROPERTY IN QUESTION	
	ADJACENT PROPERTY LINES (NOT SURVEYED)	N/A
	RIGHT-OF-WAY LINE	
	CENTERLINE	
	EASEMENT	
EOW	EDGE OF WOODS	
S	SANITARY SEWER	S
ST	STORM DRAIN	ST
W	WATER MAIN	W
SL	SANITARY LATERAL	SL
RD	ROOF DRAIN	RD
WS	WATER SERVICE	WS
T	TELEPHONE LINE	T
E	ELECTRIC LINE	E
G	GAS LINE	G
WV	GATE VALVE	
	TEE	
	PLUG(CAP)	
00	MAJOR CONTOUR LINE	00
00	MINOR CONTOUR LINE	00
00X00	GRADE	00X00
N/A	MEET EXISTING GRADE	(00X00)
K38.50	TOP OF CURB ELEVATION	K38.50
G38.00	GUTTER ELEVATION	G38.00
H	HANDICAP RAMP	H
	CONCRETE CURB	
	EDGE OF PAVEMENT	
N/A	CONCRETE	
	CONCRETE HEADWALL	
FES	FLARED END SECTION	
FH	FIRE HYDRANT	
SP	SIGN	
GV	GAS VALVE	GV
GW	GUY WIRE	N/A
WV	WATER VALVE	WV
SLP 16	STREET LIGHT POLE	
TBX	TELECOMMUNICATIONS BOX	
TS	TRAFFIC SIGNAL POLE	
P	UTILITY POLE	P
	'B' INLET	'B' INLET
	'E' INLET	'E' INLET
	'A' INLET	'A' INLET
MHS	MANHOLE - SANITARY SEWER	N/A

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40 20 0 40 80 120 160

GRAPHIC SCALE: 1"=40'

DESIGNED: VK/VS/BH | DRAWN: AMH | CHECKED: VK

DATE SIGNED: 8/28/2025

VLADISLAV KOLDOMASOV

N.J. PROFESSIONAL ENGINEER NO. 24GE05529600

REVISIONS

NO.	DATE
1	8/28/25

OVERALL SITE PLAN

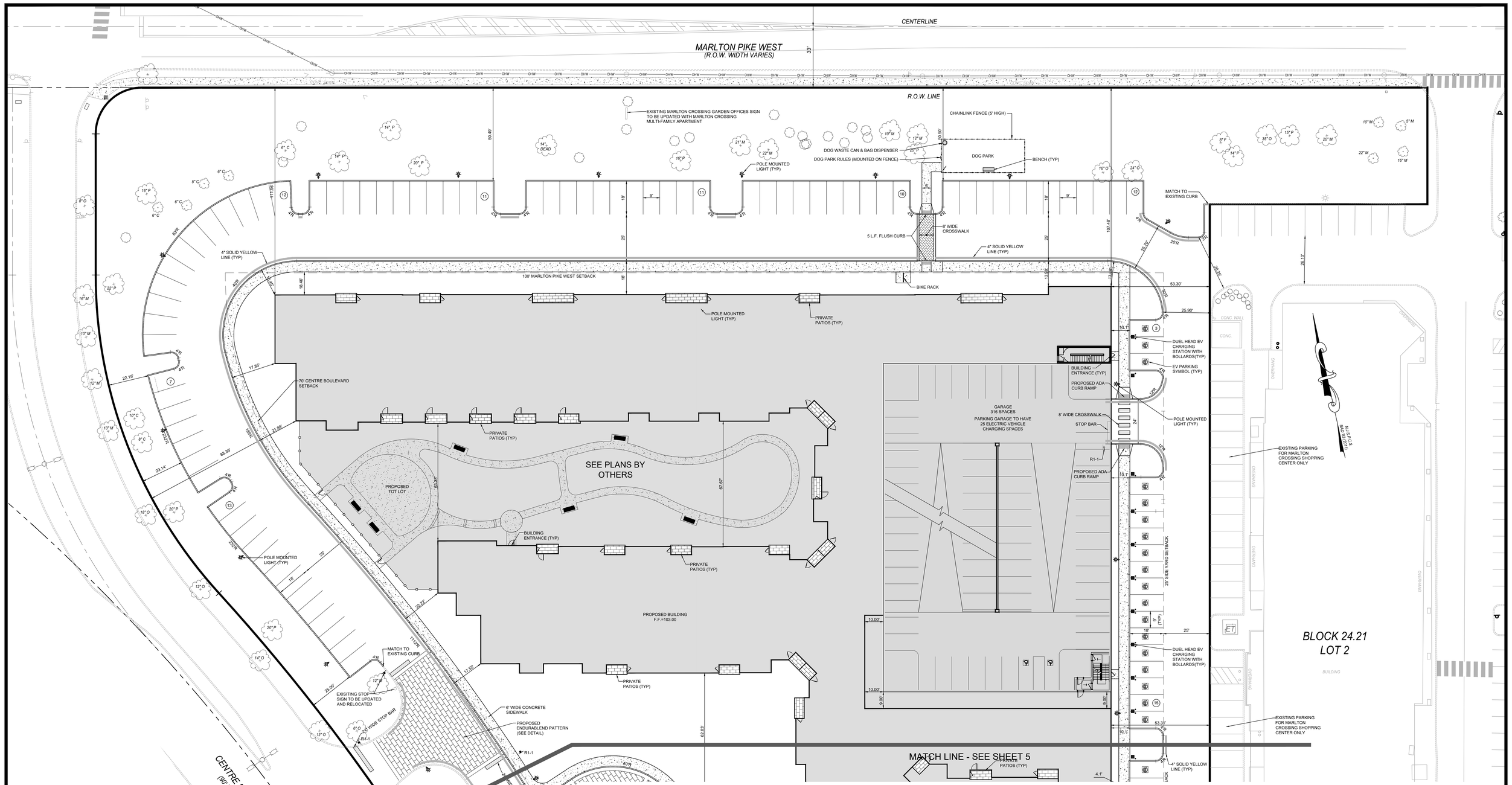
MARLTON CROSSING
BLOCK 24.21, LOT 3, TAX MAP SHEET 4
100 CENTRE BOULEVARD
EVESHAM TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

Taylor Wiseman & Taylor
ENGINEERS / SURVEYORS / SCIENTISTS
SUBSURFACE UTILITY ENGINEERING
804 EAST GATE DRIVE, SUITE 100, MOUNT LAUREL, NJ 08054
TELEPHONE: (856) 235-7200 FAX: (856) 722-9250 www.taylorwiseman.com
N.J. CERTIFICATE OF AUTHORIZATION NO. 24GA28032900

SCALE: 1"=40' | DATE: JUNE 26, 2025 | DRAWING NO: 025-07380-SP | SHEET: 3 OF 26

Date: Aug 28, 2025, 9:59am

User ID: Haug File: Q:\CAD\07380_100 Centre Blvd\Engineering\PLANS\003-OSP.dwg OVERALL SITE PLAN



SITE LEGEND

EXISTING		PROPOSED
	RIPARIAN ZONE LINE	N/A
	TOP OF BANK	N/A
	100 YEAR FLOOD HAZARD AREA LINE	N/A
	FLOODWAY LINE	N/A
	WETLANDS LINE	N/A
	WETLANDS BUFFER LINE	
	BOUNDARY LINE - PROPERTY IN QUESTION	
	ADJACENT PROPERTY LINES (NOT SURVEYED)	
	RIGHT-OF-WAY LINE	
	RIGHT-OF-WAY CENTERLINE	
	EASEMENT	
	EDGE OF WOODS	
H	HANDICAP RAMP	H
	CONCRETE CURB	
N/A	DEPRESSED CONCRETE CURB	
N/A	DEPRESSED BELGIAN BLOCK CURB	
N/A	BELGIAN BLOCK CURB	
N/A	MOUNTABLE CONCRETE CURB	
	EDGE OF PAVEMENT	
N/A	CONCRETE	
SP	SIGN	
SLP	STREET LIGHT POLE	
N/A	FIRE LANE (TYP)	

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20 10 0 20 40 60 80

GRAPHIC SCALE: 1"=20'

REVISION NO. 1: REVISED PLAN SET TO ADDRESS COMPLETENESS PER ERI REVIEW LETTER DATED 8/1/2025.

DESIGNED	DRAWN	CHECKED
VK/VS/RH	AMH	VK

DATE SIGNED: 8/28/2025

VLADISLAV KOLDOMASOV

N.J. PROFESSIONAL ENGINEER NO. 24GE05529600

NO.	DATE	REVISIONS
1	8/28/25	

SITE PLAN

MARLTON CROSSING
BLOCK 24.21, LOT 3, TAX MAP SHEET 4
100 CENTRE BOULEVARD
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SCALE:	DATE:	DRAWING NO.	SHEET:
1"=20'	JUNE 26, 2025	025-07380-SP	4 OF 26

Date: Aug 28, 2025, 9:59am

User ID: Haug File: Q:\CAD\07380_100 Centre Blvd\Engineering\PLANS\004-SP.dwg SITE PLAN

MATCH LINE - SEE SHEET 4

SIDEWALK

PROPOSED ENDURABLEND PATTERN (SEE DETAIL)

R1-1

24" STOP BAR

PROPOSED ENDURABLEND PATTERN (SEE DETAIL)

BUILDING ENTRANCE (TYP)

15 L.F. FLUSH CURB

PROPOSED BUILDING F.F.=103.00

BIKE RACK

R7-8 R7-8P R7-8V

R7-8 R1-6P

(2) DELIVERY ONLY SIGNS

RESERVED FOR SPECIAL NEEDS TRANSPORTATION (TYP)

MATCH TO EXISTING CURB

PRIVATE PATIOS (TYP)

BUILDING ENTRANCE (TYP)

SEE PLANS BY OTHERS

PROPOSED BUILDING F.F.=106.00

PRIVATE PATIOS (TYP)

BUILDING ENTRANCE (TYP)

PRIVATE PATIOS (TYP)

BUILDING ENTRANCE (TYP)

SEE PLANS BY OTHERS

PROPOSED BUILDING F.F.=106.00

TRASH

MOVE IN

DOM WATER/GAS

ELEC

PRIVATE PATIOS (TYP)

EXISTING CONCRETE CURB (TYP)

70' CENTRE BOULEVARD SETBACK

6' WIDE CONCRETE SIDEWALK

POLE MOUNTED LIGHT (TYP)

BIKE RACK

MATCH TO EXISTING CURB

6' WIDE CONCRETE SIDEWALK

PROPOSED CONCRETE CURB

60' LIPPINCOTT DRIVE SETBACK

MATCH TO EXISTING CURB

EXISTING CONCRETE CURB (TYP)

PROPOSED SEGMENTAL BLOCK RETAINING WALL

EXISTING MARLTON CROSSING GARDEN OFFICES MONUMENT SIGN TO BE UPDATED WITH MARLTON CROSSING MULTI-FAMILY APARTMENT

EXISTING PARKING FOR MARLTON CROSSING SHOPPING CENTER ONLY

4" SOLID YELLOW LINE (TYP)

25' SIDE YARD SETBACK

EV PARKING SYMBOL (TYP)

DUEL HEAD EV CHARGING STATION WITH BOLLARDS(TYP)

8' WIDE CROSSWALK

15 L.F. FLUSH CURB

RIVER STONE (TYP)

DUAL HEAD EV CHARGING STATION WITH BOLLARDS(TYP)

UPDATE EXISTING SIGN TO BE FOR MARLTON CROSSING APARTMENTS ONLY

EV PARKING SYMBOL (TYP)

EXISTING PICNIC AREA

(8) BOLLARDS, 6' ON CENTER

40 L.F. FLUSH CURB

LOADING AREA 16' X 40'

4" SOLID YELLOW LINE (TYP)

25' SIDE YARD SETBACK

POLE MOUNTED LIGHT (TYP)

4" SOLID YELLOW LINE (TYP)

24" WIDE STOP BAR

R1-1

24" WIDE STOP BAR

PROPOSED 6' WIDE CROSSWALK

R.O.W. LINE

CENTERLINE

CENTRE BLVD.

LIPPINCOTT DRIVE (66' WIDE R.O.W.)

CENTERLINE

R.O.W. LINE

BLOCK 24.22
LOT 1.01

W.I.S.E.C.S. NO. 0108

SITE LEGEND

EXISTING		PROPOSED
	RIPARIAN ZONE LINE	N/A
	TOP OF BANK	N/A
	100 YEAR FLOOD HAZARD AREA LINE	N/A
	FLOODWAY LINE	N/A
	WETLANDS LINE	N/A
	WETLANDS BUFFER LINE	
	BOUNDARY LINE - PROPERTY IN QUESTION	
	ADJACENT PROPERTY LINES (NOT SURVEYED)	
	RIGHT-OF-WAY LINE	
	RIGHT-OF-WAY CENTERLINE	
	EASEMENT	
	EDGE OF WOODS	
H	HANDICAP RAMP	H
	CONCRETE CURB	
N/A	DEPRESSED CONCRETE CURB	
N/A	DEPRESSED BELGIAN BLOCK CURB	
N/A	BELGIAN BLOCK CURB	
N/A	MOUNTABLE CONCRETE CURB	
	EDGE OF PAVEMENT	
N/A	CONCRETE	
SP	SIGN	
SLP	STREET LIGHT POLE	
N/A	FIRE LANE (TYP)	

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20 10 0 20 40 60 80

GRAPHIC SCALE: 1"=20'

Date: Aug 28, 2025, 9:59am

User ID: Haug File: Q:\CAD\07380_100 Centre Blvd\Engineering\PLANS\005-SP.dwg SITE PLAN

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DESIGNED: VK/VS/RH	DRAWN: AMH
CHECKED: VK	
DATE SIGNED: 8/28/2025	
REVISIONS: NO. 1 DATE: 8/28/25	

VLADISLAV KOLDOMASOV

N.J. PROFESSIONAL ENGINEER NO. 24GE05529600

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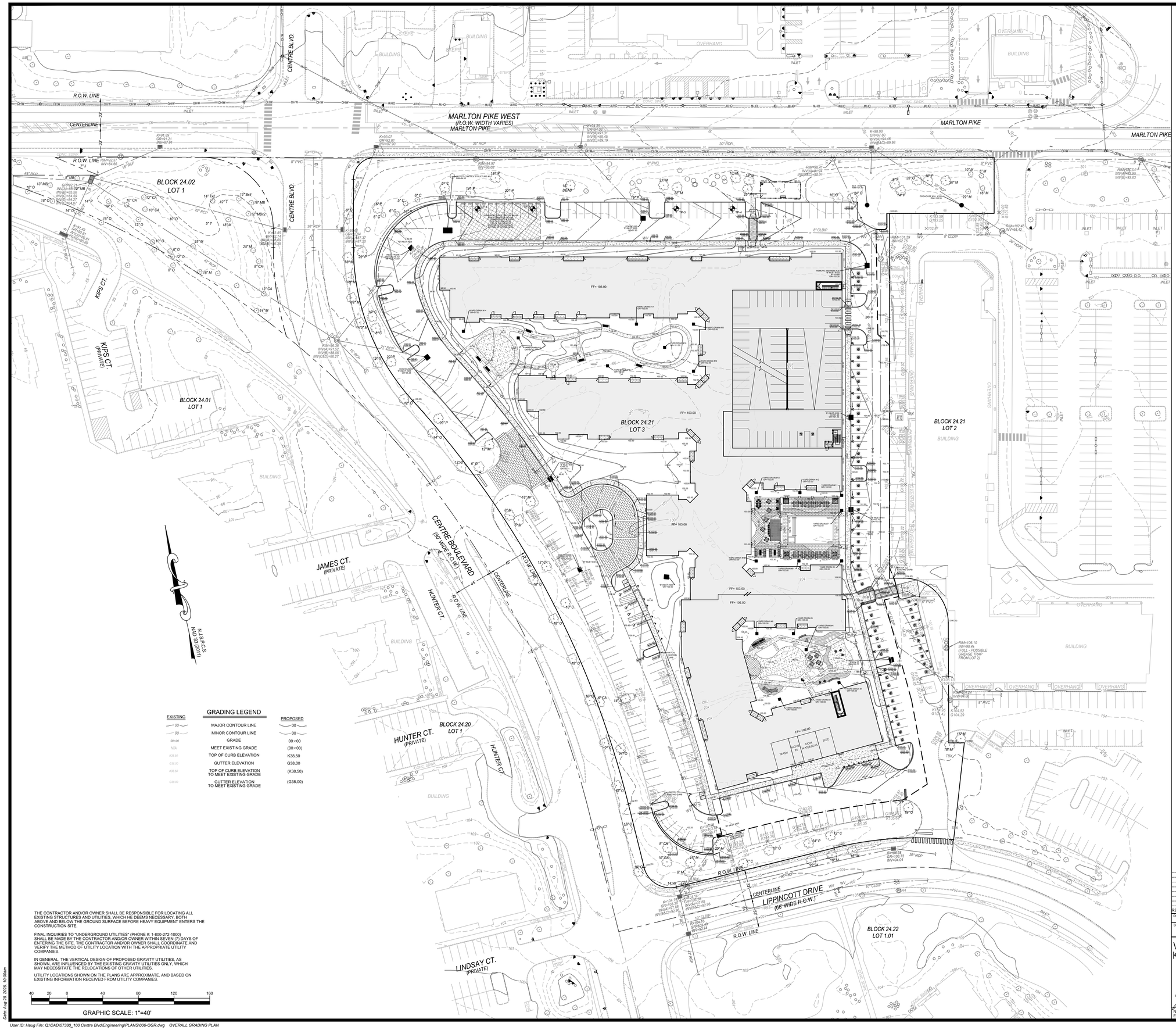
SCALE:	DATE:	DRAWING NO.	SHEET:
1"=20'	JUNE 26, 2025	025-07380-SP	5 OF 26



GRADING LEGEND

EXISTING		PROPOSED
00	MAJOR CONTOUR LINE	00
00	MINOR CONTOUR LINE	00
00×00	GRADE	00×00
N/A	MEET EXISTING GRADE	(00×00)
K38.50	TOP OF CURB ELEVATION	K38.50
G38.00	GUTTER ELEVATION	G38.00
K38.50	TOP OF CURB ELEVATION TO MEET EXISTING GRADE	(K38.50)
G38.00	GUTTER ELEVATION TO MEET EXISTING GRADE	(G38.00)

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40 20 0 40 80 120 160

GRAPHIC SCALE: 1"=40'

GRADING NOTES

1. SITE GRADING MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT AS REFERENCED IN THIS PLAN SET. IF NOT GEOTECHNICAL REPORT HAS BEEN REFERENCED, THE CONTRACTOR MUST HAVE A GEOTECHNICAL ENGINEER PROVIDE WRITTEN SPECIFICATIONS AND RECOMMENDATIONS PRIOR TO THE CONTRACTOR COMMENCING THE GRADING WORK. THE CONTRACTOR MUST FOLLOW THE REQUIREMENTS OF ALL MUNICIPAL, COUNTY, STATE, AND FEDERAL LAWS, WHICH HAVE JURISDICTION OVER THIS PROJECT.
2. THE CONTRACTOR IS REQUIRED TO SECURE ALL NECESSARY AND/OR REQUIRED PERMITS AND APPROVALS FOR ALL OFF-SITE MATERIAL SOURCES AND DISPOSAL FACILITIES. THE CONTRACTOR MUST SUPPLY A COPY OF APPROVALS TO THE ENGINEER OF RECORD AND THE OWNER PRIOR TO THE CONTRACTOR COMMENCING ANY WORK.
3. THE CONTRACTOR IS FULLY RESPONSIBLE FOR VERIFYING EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCING ANY CONSTRUCTION. SHOULD DISCREPANCIES BETWEEN THE PLANS AND INFORMATION OBTAINED THROUGH FIELD VERIFICATIONS BE IDENTIFIED OR EXIST, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, IN WRITING.
4. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REPLACING ALL UNSUITABLE MATERIALS WITH SUITABLE MATERIALS AS SPECIFIED IN THE GEOTECHNICAL REPORT. THE CONTRACTOR MUST COMPACT ALL EXCAVATED OR FILLED AREAS IN STRICT ACCORDANCE WITH THE GEOTECHNICAL REPORT'S GUIDANCE. MOISTURE CONTENT AT TIME OF PLACEMENT MUST BE SUBMITTED IN A COMPACTION REPORT PREPARED BY A QUALIFIED GEOTECHNICAL ENGINEER, REGISTERED WITH THE STATE WHERE THE WORK IS PERFORMED. THIS REPORT MUST VERIFY THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT AND ALL APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES WHICH ARE IN EFFECT AND WHICH ARE APPLICABLE TO THE PROJECT. SUBBASE MATERIAL FOR SIDEWALKS, CURB, OR ASPHALT MUST BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBBASE BE DEEMED UNSUITABLE BY OWNER/DEVELOPER, OR OWNER/DEVELOPER'S REPRESENTATIVE, SUBBASE MUST BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL, COMPACTED AS THE GEOTECHNICAL REPORT DIRECTS. EARTHWORK ACTIVITIES INCLUDING, BUT NOT LIMITED TO, EXCAVATION, BACKFILL, AND COMPACTING MUST COMPLY WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT AND ALL APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES. EARTHWORK ACTIVITIES MUST COMPLY WITH THE STANDARD STATE DOT SPECIFICATIONS FOR ROADWAY CONSTRUCTION (LATEST EDITION) AND ANY AMENDMENTS OR REVISIONS THERETO.
5. IN THE EVENT OF A DISCREPANCY(IES) AND/OR A CONFLICT(S) BETWEEN PLANS, OR RELATIVE TO OTHER PLANS, THE GRADING PLAN TAKES PRECEDENCE AND CONTROLS. THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, IN WRITING, OF ANY DISCREPANCY(IES) AND/OR CONFLICT(S).
6. THE CONTRACTOR IS RESPONSIBLE TO IMPORT FILL OR EXPORT EXCESS MATERIAL AS NECESSARY TO CONFORM TO THE PROPOSED GRADING, AND TO BACKFILL EXCAVATIONS FOR THE INSTALLATION OF UNDERGROUND IMPROVEMENTS.
7. PROPOSED FILL MATERIAL SHALL BE PLACES IN 6-INCH LIFTS AND COMPACTED TO 95% MAXIMUM DRY DENSITY, AS DETERMINED BY PROCTOR TESTING OF FILL MATERIAL. PLACEMENT OF FILL MATERIAL SHOULD BE OVERSEEN AND TESTED BY A QUALIFIED GEOTECHNICAL ENGINEER.
8. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6-INCHES ABOVE PAVEMENT GRADE UNLESS OTHERWISE NOTED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE ENGINEER OF RECORD APPROVES FINAL CURBING CUT SHEETS PRIOR TO INSTALLING CURBING.
9. THE CONTRACTOR MUST CONFIRM AND ENSURE THAT AS CONSTRUCTED IMPROVEMENTS CREATE THE FOLLOWING MINIMUM SLOPES (EXCEPT WHERE ADA REQUIREMENTS LIMIT THEM): 1.0% ON ALL CONCRETE SURFACE, 1.5% ACROSS ASPHALT SURFACES, 2% IN LANDSCAPE AREAS AND 0.75% SLOPE AGAINST ALL ISLANDS, GUTTERS, AND CURBS TO PROVIDE POSITIVE DRAINAGE.
10. MAXIMUM SLOPES ACROSS UNPAVED TRANSITION GRADING AREAS SHALL BE 3:1 (H:V), UNLESS NOTED OTHERWISE.
11. WHERE RETAINING WALLS (WHETHER OR NOT THEY MEET THE JURISDICTIONAL DEFINITION) ARE IDENTIFIED ON THE PLANS, TOP AND BOTTOM OF WALL ELEVATIONS (TW & BW) REPRESENT THE PROPOSED FINISHED GRADE AT THE FACE OF WALL AND DO NOT REPRESENT THE ELEVATION OF THE PROPOSED WALL (INCLUDING THE CAP UNIT OR FOOTING). WALL FOOTINGS/FOUNDATION ELEVATION WHICH ARE NOT IDENTIFIED HEREIN AND ARE TO BE DETERMINED BY THE CONTRACTOR, MUST BE DETERMINED AND SET BASED UPON FINAL STRUCTURAL DESIGN SHOP DRAWINGS PREPARED BY THE APPROPRIATE PROFESSIONAL LICENSED IN THE STATE WHERE THE CONSTRUCTION OCCURS. THE CONTRACTOR MUST ENSURE THAT LICENSED STRUCTURAL ENGINEER DESIGNS ALL WALLS SHOWN HEREON AND THAT PROPER TO CONSTRUCTION, THE MUNICIPALITY APPROVES ALL SIGNED AND SEALED SHOP DRAWINGS. FURTHER, THE CONTRACTOR MUST ENSURE THAT FENCING, GUIDERAIL, UTILITIES, AND OTHER SITE AMENITIES IN THE VICINITY OF THE RETAINING WALL(S), PROPOSED SCHEMATICALLY IN THESE PLANS, ARE MATERIALLY CONSIDERED AND INCORPORATED INTO THE RETAINING WALL DESIGN (BY OTHERS).
12. THE CONTRACTOR MUST ENSURE THAT THERE ARE NO UTILITIES INSTALLED ON THE PASSIVE SIDE OF THE RETAINING WALL. NO EXCAVATION MAY BE PERFORMED ON THE PASSIVE SIDE OF THE RETAINING WALL WITHOUT APPROPRIATELY AND SAFELY SUPPORTING THE WALL IN ACCORDANCE WITH THE STANDARD OF CARE AND ALL APPLICABLE RULES, REGULATIONS, CODES, ORDINANCES, LAWS AND STATUTES.

CURB RAMP NOTES:

1. CHEEK WALLS
   - 1.1. CHEEK WALLS ARE PERMITTED WHEN ADJACENT TO NON-WALK AREAS OR ELEVATION DIFFERENCES CANNOT BE ACCOMMODATED.
2. CROSSWALKS
   - 2.1. FOR CURB RAMPS THAT LEAD TO A SINGLE CROSSWALK, THE RAMP (EXCLUDING FLARES) TO BE FULLY INSIDE OF MARKED CROSSWALK LINES.
   - 2.2. SHOULD BE PLACED A MINIMUM DISTANCE OF 4'-0" FROM STOP AND YIELD LINES.
   - 2.3. FOR UN-SIGNALIZED AREAS, CROSSWALKS SHOULD BE PLACED A MINIMUM DISTANCE OF 20'-0" AWAY FROM ON ROAD PARKING ZONES. FOR SIGNALIZED AREAS, CROSSWALKS SHOULD BE PLACED A MINIMUM DISTANCE OF 30'-0" FROM ON ROAD PARKING ZONES.
   - 2.4. PEDESTRIAN CROSSWALK IS 6' MINIMUM, UNLESS STATED OTHERWISE ON THE PLAN.
   - 2.5. USE LONGITUDINAL LINES AT 6' LONG AND 2' WIDE WITH A SPACING OF 2' APART. SPACING SHOULD BE DESIGNED SO THAT PAINTED AREAS AVOID THE WHEEL PATHS.
3. CURB RAMPS
   - 3.1. CONSTRUCT CURB RAMPS WITH A MINIMUM OF 4'x4' CLEAR SPACE BEFORE THE CURB FACE, WITHIN THE WIDTH OF THE CROSSWALK.
   - 3.2. SLOPES THAT EXCEED 8.33% OR 1:12, WILL NOT BE ACCEPTED AND WILL BE RECONSTRUCTED.
   - 3.3. PROVIDE SLIP RESISTANT TEXTURE ON CURB RAMP BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP. EXTEND TEXTURE THE FULL WIDTH AND LENGTH OF THE CURB RAMP INCLUDING FLARED SIDE RAMPS.
   - 3.4. DO NOT EXCEED 2% CROSS SLOPE ON THE CURB RAMP OR PEDESTRIAN ACCESSIBLE ROUTE (MEASURED PERPENDICULAR TO THE DIRECTION OF TRAVEL).
   - 3.5. CURB RAMP WIDTH IS 4' MINIMUM.
   - 3.6. ALL SLOPES ARE MEASURED WITH RESPECT TO A LEVEL PLANE. THEREFORE, THE LENGTH OF RAMP IS NOT SOLELY DEPENDED ON THE HEIGHT OF CURB.
   - 3.7. THE CHANGE IN GRADE AT THE BOTTOM OF THE CURB RAMP AND ADJOINING ROAD SURFACE IS NOT TO EXCEED ALGEBRAIC DIFFERENCE OF 11%. THE COUNTER SLOPE OF THE GUTTER OR ROAD AT THE FOOT OF A CURB RAMP, TURNING SPACE OR BLENDED TRANSITION IS NOT TO EXCEED 8% AND IT IS NOT NECESSARY TO HAVE THE LENGTH GREATER THAN 15'.
   - 3.8. FOR BLENDED TRANSITION CURB RAMPS, THE MAXIMUM RUNNING SLOPE IS 5% WITH A MAXIMUM 2% CROSS SLOPE.
4. FLUSH CURB
   - 4.1. CONSTRUCT TOP OF PLAIN CEMENT CONCRETE FLUSH CURB TO BE FLUSH WITH ADJACENT SURFACES (RAMPS, SIDEWALK, FLARES).
   - 4.2. CONSTRUCT FLUSH CURB FOR CURB RAMPS FLUSH TO ADJACENT ROADWAY. GRADE EDGE OF ROAD ELEVATION AT THE FLOW LINE TO ENSURE POSITIVE DRAINAGE AND PREVENT PONDING. THE VERTICAL ALIGNMENT OF A CURB RAMP, EXCLUDING FLARES, SHALL BE PLANAR. GRADE BREAK SHALL BE FLUSH AND PERPENDICULAR TO THE DIRECTION OF THE RAMP RUN. RAMP TRANSITIONS BETWEEN WALKS, GUTTERS, TURNING SPACES, OR STREETS SHALL BE FLUSH AND FREE ABRUPT VERTICAL CHANGES (¼" MAXIMUM).
   - 4.3. FOR TYPE 5 AND TYPE 6 RAMPS AND BLENDED TRANSITIONS, THE FLUSH CURB MUST EXTEND FROM THE OUTER MOST EDGE OF EACH CROSSWALK.
5. DETECTABLE WARNING SURFACES
   - 5.1. NO SEPARATION BETWEEN DETECTABLE WARNING SURFACES FOR MEDIANS LESS THAN 4' BETWEEN BACK OF CURBS.
   - 5.2. PROVIDE DETECTABLE WARNING SURFACES (DWS) 24" MINIMUM (IN THE DIRECTION OF PEDESTRIAN TRAVEL) ACROSS FULL WIDTH OF RAMP AT THE GRADE BREAK NEAR STREET EDGE. PROVIDE DWS THAT CONTRAST VISUALLY WITH ADJACENT WALKWAY SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT FOR THE FULL WIDTH OF RAMP.
   - 5.3. ALIGN DWS TRUNCATED DOMES ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF THE RAMP AND PERPENDICULAR TO CURB WHEN APPROPRIATE.
   - 5.4. THE PUBLIC SIDEWALK CURB RAMP, DWS (SHADED AREA) SHALL BE SAFETY RED COLOR, EXCEPT IF THE MUNICIPALITIES HAVE ESTABLISHED AN ALTERNATIVE COLOR SCHEME.
   - 5.5. FOR TYPE 5, TYPE 6 AND BLENDED TRANSITIONS, THE DWS MUST BE PLACED ALONG THE ENTIRE FLUSH CURB AND THE DOMES MUST BE PLACED IN SUCH A WAY THAT THE DIRECTION OF TRAVEL IS ORIENTED INTO THE SIDEWALK.
6. JOINTS
   - 6.1. PROVIDE EXPANSION JOINT MATERIAL ½" THICK WHERE CURB RAMP ADJOINS ANY RIGID PAVEMENT, SIDEWALK OR STRUCTURE WITH THE TOP OF JOINT FILLER FLUSH WITH ADJACENT CONCRETE SURFACE.
   - 6.2. SEAL JOINTS WITH AN APPROVED SEALING MATERIAL.
7. TURNING SPACES
   - 7.1. TURNING SPACE, APPROACH SIDEWALK TRANSITIONS, AND CURB RAMP SHALL BE KEPT CLEAR OF OBSTRUCTIONS, UNLESS AN EXCEPTION IS GRANTED.
   - 7.2. DO NOT EXCEED 2% FOR RUNNING AND CROSS SLOPES.
   - 7.3. TURNING SPACE SHOULD BE 4'x4' MINIMUM CLEAR SPACE. IF THE TURNING SPACE IS CONSTRAINED ON 2 OR MORE SIDES, IT MUST BE 4'x5' WITH THE 5' LENGTH ALONG THE UNOBSTRUCTED SIDE. FOR TYPE 5, 6 AND BLENDED TRANSITIONS, THE TURNING SPACE MUST HAVE A MINIMUM OF A 5' DEPTH (INCLUDING THE DETECTABLE WARNING SURFACE) ALONG THE FLUSH CURB/ROADWAY.
   - 7.4. 4'x4' TURNING SPACE ARE REQUIRED AT EVERY ACCESSIBLE PEDESTRIAN SIGNAL/PUSH BUTTON LOCATION.
   - 7.5. TURNING SPACE SHALL BE CONSTRUCTED AT THE TOP OF EVERY PERPENDICULAR RAMP AND AT THE BOTTOM OF EVERY PARALLEL RAMP.
8. SIDE FLARES
   - 8.1. ALL SLOPES ARE MEASURED WITH RESPECT TO A LEVEL PLANE. THEREFORE, THE LENGTH OF RAMP IS NOT SOLELY DEPENDENT ON THE HEIGHT OF CURB.
   - 8.2. SIDE FLARES 10% MAXIMUM SLOPES WHERE THE PEDESTRIAN PATH CROSSES THE CURB RAMP.
   - 8.3. SIDE FLARES MUST BE PARALLEL TO THE CURB LINE.
   - 8.4. GRADE GRASS AREAS OR OTHER NON-WALK AREAS AT 3:1 (1:3) MAXIMUM. DO NOT INSTALL CHEEK WALLS THAT INTERSECT THE PEDESTRIAN ACCESS ROUTE.
   - 8.5. SIDE FLARE WIDTH IS TYPICALLY 24" AND A MINIMUM OF 12".
9. SIDEWALKS
   - 9.1. THE MAXIMUM SIDEWALK CROSS SLOPES IS 2% (MEASURED PERPENDICULAR TO THE DIRECTION OF TRAVEL). THE MAXIMUM GRADE IS 5%. FOR SIDEWALKS ALONG STREETS: HOWEVER THE LONGITUDINAL GRADE OF THE SIDEWALK SHOULD BE CONSISTENT WITH THE GRADE OF THE ADJACENT ROADWAY. IF THE 5% GRADE IS NOT FEASIBLE DUE TO TOPOGRAPHY AND OTHER PHYSICAL CONSTRAINTS, THE LOWEST PRACTICAL GRADE GREATER THAN 5% SHOULD BE USED.
   - 9.2. SIDEWALK WIDTH MAY BE REDUCED TO 4', WHEN PASSING AREAS 5'x5' ARE PROVIDED EVERY 200'.
10. ALL HANDICAP RAMPS CONSTRUCTED SHALL MEET THE LATEST VERSION OF THE ACCESSIBLE REQUIREMENTS OF THE AMERICAN WITH DISABILITIES ACT AND THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES.
11. GRADE BREAKS
    - 11.1. GRADE BREAKS AT THE TOP AND BOTTOM OF THE CURB RAMP SHALL BE PERPENDICULAR TO THE DIRECTION OF THE RAMP RUN.
    - 11.2. GRADE BREAKS ARE NOT PERMITTED ON THE SURFACE OF RAMP RUN OR TURNING SPACES.
    - 11.3. SURFACE SLOPES THAT MEET AT THE GRADE BREAKS SHALL BE FLUSH.
12. ALL VERTICAL SURFACE DISCONTINUITIES SHALL NOT EXCEED ¼" IN HEIGHT. ANY VERTICAL SURFACE DISCONTINUITY BETWEEN ¼" AND ½" SHALL BE BEVELED AT A SLOPE NO GREATER THAN 50% ACROSS THE ENTIRE DISCONTINUITY.
13. HORIZONTAL OPENINGS IN GRATES AND JOINTS SHALL NOT EXCEED ½" IN DIAMETER AND THE GRATES SHALL BE PLACED SO THE LONG DIMENSION IS PERPENDICULAR TO THE DIRECTION OF TRAVEL.
14. THE CROSS SLOPE FOR CURB RAMPS, BLENDED TRANSITIONS, AND TURNING SPACES SHALL BE 2% MAXIMUM. AT PEDESTRIAN STREET CROSSINGS WITHOUT YEILD OR STOP CONTROL, THE CROSS SLOPES SHALL BE PERMITTED TO MATCH THE STREET GRADE.

REVISION NO. 1: REVISED PLAN SET TO ADDRESS COMPLETENESS PER ERI REVIEW LETTER DATED 8/1/2025.

DESIGNED	VK/VS/RH
DRAWN	AMH
CHECKED	VK
DATE SIGNED	8/28/2025

VLADISLAV KOLDOMASOV

N.J. PROFESSIONAL ENGINEER NO. 24GE05529600

REVISIONS NO.	DATE
1	8/28/25
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OVERALL GRADING PLAN

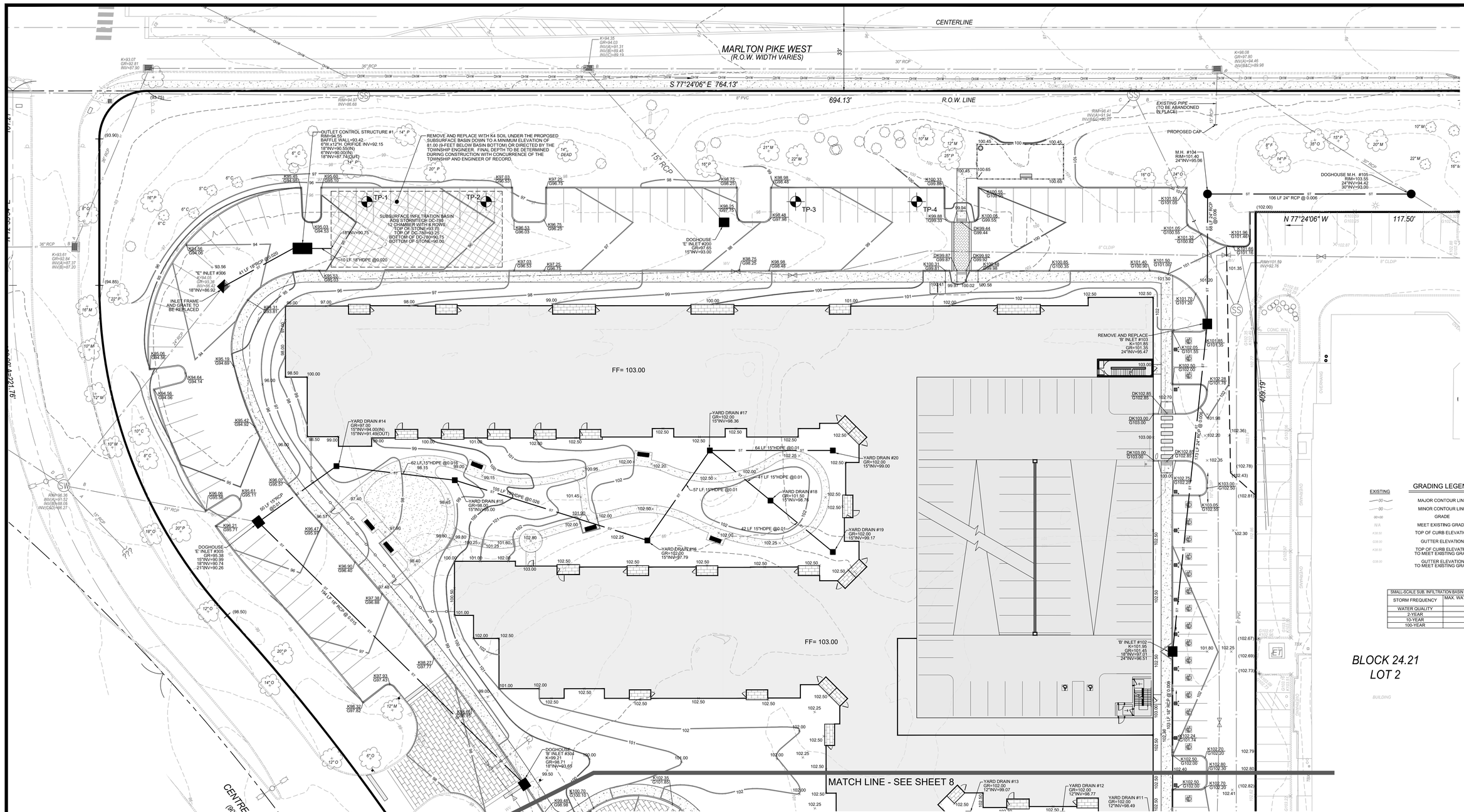
MARLTON CROSSING
BLOCK 24.21, LOT 3, TAX MAP SHEET 4
100 CENTRE BOULEVARD
EVESHAM TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

Taylor Wiseman & Taylor
ENGINEERS / SURVEYORS / SCIENTISTS
SUBSURFACE UTILITY ENGINEERING
804 EAST GATE DRIVE, SUITE 100, MOUNT LAUREL, NJ 08054
TELEPHONE: (856) 235-7200 FAX: (856) 722-9250 www.taylorwiseman.com
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28032900

SCALE:	DATE:	DRAWING NO.	SHEET:
1"=40'	JUNE 26, 2025	025-07380-SP	6 OF 26

Date: Aug 28, 2025, 10:08am

User ID: Haug File: Q:\CAD\07380_100 Centre Blvd\Engineering\PLANS\006-OGR.dwg OVERALL GRADING PLAN



GRADING LEGEND

EXISTING		PROPOSED
00	MAJOR CONTOUR LINE	00
00	MINOR CONTOUR LINE	00
00×00	GRADE	00×00
N/A	MEET EXISTING GRADE	(00×00)
K38.50	TOP OF CURB ELEVATION	K38.50
G38.00	GUTTER ELEVATION	G38.00
K38.50	TOP OF CURB ELEVATION TO MEET EXISTING GRADE	(K38.50)
G38.00	GUTTER ELEVATION TO MEET EXISTING GRADE	(G38.00)

SMALL-SCALE SUB. INFILTRATION BASIN SUMMARY TABLE	
STORM FREQUENCY	MAX. WATER ELEVATION (FT.)
WATER QUALITY	90.88
2-YEAR	91.34
10-YEAR	92.13
100-YEAR	92.85

GRADING NOTES:

1. SITE GRADING MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT AS REFERENCED IN THIS PLAN SET. IF NOT GEOTECHNICAL REPORT HAS BEEN REFERENCED, THE CONTRACTOR MUST HAVE A GEOTECHNICAL ENGINEER PROVIDE WRITTEN SPECIFICATIONS AND RECOMMENDATIONS PRIOR TO THE CONTRACTOR COMMENCING THE GRADING OPERATIONS. CONTRACTOR MUST FOLLOW THE REQUIREMENTS OF ALL MUNICIPAL, COUNTY, STATE, AND FEDERAL LAWS, WHICH HAVE JURISDICTION OVER THIS PROJECT.
2. THE CONTRACTOR IS REQUIRED TO SECURE ALL NECESSARY AND/OR REQUIRED PERMITS AND APPROVALS FOR ALL OFF-SITE MATERIAL SOURCES AND DISPOSAL FACILITIES. THE CONTRACTOR MUST SUPPLY A COPY OF APPROVALS TO THE ENGINEER OF RECORD AND THE OWNER PRIOR TO THE CONTRACTOR COMMENCING ANY WORK.
3. THE CONTRACTOR IS FULLY RESPONSIBLE FOR VERIFYING EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCING ANY CONSTRUCTION. SHOULD DISCREPANCIES BETWEEN THE PLANS AND INFORMATION OBTAINED THROUGH FIELD VERIFICATIONS BE IDENTIFIED OR EXIST, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, IN WRITING.
4. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REPLACING ALL UNSUITABLE MATERIALS WITH SUITABLE MATERIALS AS SPECIFIED IN THE GEOTECHNICAL REPORT. THE CONTRACTOR MUST COMPACT ALL EXCAVATED OR FILLED AREAS IN STRICT ACCORDANCE WITH THE GEOTECHNICAL REPORTS GUIDANCE. MOISTURE CONTENT AT TIME OF PLACEMENT MUST BE SUBMITTED IN A COMPACTION REPORT PREPARED BY A QUALIFIED GEOTECHNICAL ENGINEER, REGISTERED WITH THE STATE WHERE THE WORK IS PERFORMED. THIS REPORT MUST VERIFY THAT ALL FILLED AREAS AND SUBGRADE AREAS WERE COMPACTED AS REQUIRED BY THE GEOTECHNICAL REPORT AND THE PROJECT SPECIFICATIONS. THE CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT AND ALL APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES WHICH ARE IN EFFECT AND WHICH ARE APPLICABLE TO THE PROJECT. SUBBASE MATERIAL FOR SIDEWALKS, CURB, OR ASPHALT MUST BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBBASE BE DEEMED UNSUITABLE BY OWNER/DEVELOPER, OR OWNER/DEVELOPER'S REPRESENTATIVE, SUBBASE MUST BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL, COMPACTED AS THE GEOTECHNICAL REPORT AND PROJECT SPECIFICATIONS REQUIRE. THE CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL RECOMMENDATIONS IN THE GEOTECHNICAL REPORT AND ALL APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES. EARTHWORK ACTIVITIES MUST COMPLY WITH THE STANDARD STATE DOT SPECIFICATIONS FOR ROADWAY CONSTRUCTION (LATEST EDITION) AND ANY AMENDMENTS OR REVISIONS THERETO.
5. IN THE EVENT OF A DISCREPANCY(IES) AND/OR A CONFLICT(S) BETWEEN PLANS, OR RELATIVE TO OTHER PLANS, THE GRADING PLAN TAKES PRECEDENCE AND CONTROLS. THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, IN WRITING, OF ANY DISCREPANCY(IES) AND/OR CONFLICT(S).
6. THE CONTRACTOR IS RESPONSIBLE TO IMPORT FILL OR EXPORT EXCESS MATERIAL AS NECESSARY TO CONFORM TO THE PROPOSED GRADING, AND TO BACKFILL EXCAVATIONS FOR THE INSTALLATION OF UNDERGROUND IMPROVEMENTS.
7. PROPOSED FILL MATERIAL SHALL BE PLACED IN 6-INCH LIFTS AND COMPACTED TO 95% MAXIMUM DRY DENSITY, AS DETERMINED BY PROCTOR TESTING OF FILL MATERIAL. PLACEMENT OF FILL MATERIAL SHOULD BE OVERSEEN AND TESTED BY A QUALIFIED GEOTECHNICAL ENGINEER.
8. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6-INCHES ABOVE PAVEMENT GRADE UNLESS OTHERWISE NOTED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE ENGINEER OF RECORD APPROVES FINAL CURBING CUT SHEETS PRIOR TO INSTALLING CURBING.
9. THE CONTRACTOR MUST CONFIRM AND ENSURE THAT AS-CONSTRUCTED IMPROVEMENTS CREATE THE FOLLOWING MINIMUM SLOPES (EXCEPT WHERE ADA REQUIREMENTS LIMIT THEM): 1% ON ALL CONCRETE SURFACE, 1.5% ACROSS ASPHALT SURFACES, 2% IN LANDSCAPE AREAS AND 0.75% SLOPE AGAINST ALL ISLANDS, GUTTERS, AND CURBS TO PROVIDE POSITIVE DRAINAGE.
10. MAXIMUM SLOPES ACROSS UNPAVED TRANSITION GRADING AREAS SHALL BE 3:1 (H:V), UNLESS NOTED OTHERWISE.
11. WHERE RETAINING WALLS (WHETHER OR NOT THEY MEET THE JURISDICTIONAL DEFINITION) ARE IDENTIFIED ON THE PLANS, TOP AND BOTTOM OF WALL ELEVATIONS (TW & BW) REPRESENT THE PROPOSED FINISHED GRADE AT THE FACE OF WALL AND DO NOT REPRESENT THE ELEVATION OF THE PROPOSED WALL (INCLUDING THE CAP UNIT OR FOOTING). WALL FOOTING/FOUNDATION ELEVATION WHICH ARE NOT IDENTIFIED HEREIN AND ARE TO BE SET/DETERMINED BY THE CONTRACTOR, MUST BE DETERMINED AND SET BASED UPON FINAL STRUCTURAL DESIGN SHOP DRAWINGS PREPARED BY THE MANUFACTURER'S STRUCTURAL ENGINEER. THE CONTRACTOR MUST ENSURE THAT THE MANUFACTURER'S STRUCTURAL ENGINEER DESIGNS ALL WALLS SHOWN HEREON AND THAT PROPER TO CONSTRUCTION, THE MUNICIPALITY APPROVES ALL SIGNED AND SEALED SHOP DRAWINGS. FURTHER, THE CONTRACTOR MUST ENSURE THAT FENCING, GUIDERAIL, UTILITIES, AND OTHER SITE AMENITIES IN THE VICINITY OF THE RETAINING WALL(S), PROPOSED SCHEMATICALLY IN THESE PLANS, ARE MATERIALLY CONSIDERED AND INCORPORATED INTO THE RETAINING WALL DESIGN (BY OTHERS).
12. THE CONTRACTOR MUST ENSURE THAT THERE ARE NO UTILITIES INSTALLED ON THE PASSIVE SIDE OF THE RETAINING WALL. NO EXCAVATION MAY BE PERFORMED ON THE PASSIVE SIDE OF THE RETAINING WALL WITHOUT APPROPRIATELY AND SAFELY SUPPORTING THE WALL IN ACCORDANCE WITH THE STANDARD OF CARE AND ALL APPLICABLE RULES, REGULATIONS, CODES, ORDINANCES, LAWS AND STATUTES.

CURB RAMP NOTES:

1. CHEEK WALLS
   1.1. CHEEK WALLS ARE PERMITTED WHEN ADJACENT TO NON-WALK AREAS OR ELEVATION DIFFERENCES CANNOT BE ACCOMMODATED.
2. CROSSWALKS
   2.1. FOR CURB RAMPS THAT LEAD TO A SINGLE CROSSWALK, THE RAMP (EXCLUDING FLARES) TO BE FULLY INSIDE OF MARKED CROSSWALK LINES.
   2.2. SHOULD BE PLACED A MINIMUM DISTANCE OF 4'-0" FROM STOP AND YIELD LINES.
   2.3. FOR UN-SIGNALIZED AREAS, CROSSWALKS SHOULD BE PLACED A MINIMUM DISTANCE OF 20'-0" AWAY FROM ON ROAD PARKING ZONES. FOR SIGNALIZED AREAS, CROSSWALKS SHOULD BE PLACED A MINIMUM DISTANCE OF 30'-0" FROM ON ROAD PARKING ZONES.
   2.4. SHALL BE 6" THICK CONCRETE WITH A MINIMUM 4,000 PSI STRENGTH.
   2.5. USE LONGITUDINAL LINES AT 6' LONG AND 2' WIDE WITH A SPACING OF 2' APART. SPACING SHOULD BE DESIGNED SO THAT PAINTED AREAS AVOID THE WHEEL PATHS.
3. CURB RAMPS
   3.1. CONSTRUCT CURB RAMPS WITH A MINIMUM OF 4'-0" CLEAR SPACE BEYOND THE CURB FACE, WITHIN THE WIDTH OF THE CROSSWALK.
   3.2. RAMP SLOPE EXCEED A 12% OR A 12:1 WALK MAY BE ACCEPTED AND WILL BE RECONSTRUCTED.
   3.3. PROVIDE SLIP RESISTANT TEXTURE ON CURB RAMP BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP. EXTEND TEXTURE THE FULL WIDTH AND LENGTH OF THE CURB RAMP INCLUDING FLARED SIDE RAMPS.
   3.4. DO NOT EXCEED 2% CROSS SLOPE ON THE CURB RAMP OR PEDESTRIAN ACCESSIBLE ROUTE (MEASURED PERPENDICULAR TO THE DIRECTION OF TRAVEL).
   3.5. CURB RAMP WIDTH SHALL BE DESIGNED 4'-0" MINIMUM.
   3.6. CURB RAMPS ARE MEASURED WITH RESPECT TO A LEVEL PLANE. THEREFORE, THE LENGTH OF RAMP IS NOT SOLELY DEPENDED ON THE HEIGHT OF CURB.
   3.7. THE CHANGE IN GRADE AT THE BOTTOM OF THE CURB RAMP AND ADJOINING ROAD SURFACE IS NOT TO EXCEED ALGEBRAIC DIFFERENCE OF 11%. THE COUNTER SLOPE OF THE GUTTER OR ROAD AT THE FOOT OF A CURB RAMP, TURNING SPACE, OR BLENDED TRANSITION IS NOT TO EXCEED 8% AND IT IS NOT NECESSARY TO HAVE THE LENGTH GREATER THAN 15'.
   3.8. FOR BLENDED TRANSITION CURB RAMPS, THE MAXIMUM RUNNING SLOPE IS 5% WITH A MAXIMUM 2% CROSS SLOPE.
4. FLUSH CURB
   4.1. CONSTRUCT TOP OF PLAIN CEMENT CONCRETE FLUSH CURB TO BE FLUSH WITH ADJACENT SURFACES (RAMPS, SIDEWALK, FLARES)
   4.2. CONSTRUCT FLUSH CURB FOR CURB RAMPS FLUSH TO ADJACENT ROADWAY. GRADE EDGE OF ROAD ELEVATION AT THE FLOW LINE TO ENSURE POSITIVE DRAINAGE AND PREVENT PONDING. THE VERTICAL ALIGNMENT OF A CURB RAMP, EXCLUDING FLARES, SHALL BE PLANAR. GRADE BREAK SHALL BE FLUSH AND PERPENDICULAR TO THE DIRECTION OF THE RAMP RUN. RAMP TRANSITIONS BETWEEN WALKS, GUTTERS, TURNING SPACES, OR STREETS SHALL BE FLUSH AND FREE ABRUPT VERTICAL CHANGES. IF MOUNTABLE
   4.3. FOR TYPE S AND TYPE E RAMPS AND BLENDED TRANSITIONS, THE FLUSH CURB MUST EXTEND FROM THE OUTER MOST EDGE OF EACH CROSSWALK.
5. DETECTABLE WARNING SURFACES
   5.1. DO NOT INSTALL DETECTABLE WARNING SURFACES FOR MEDIANS LESS THAN 4' BETWEEN BACK OF CURBS.
   5.2. PROVIDE DETECTABLE WARNING SURFACES (DWS) 24" MINIMUM ON THE DIRECTION OF PEDESTRIAN TRAVEL) ACROSS FULL WIDTH OF RAMP AT THE GRADE BREAK NEAR STREET EDGE. PROVIDE DWS THAT CONTRAST VISUALLY WITH ADJACENT WALKWAY SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT FOR THE FULL WIDTH OF RAMP.
   5.3. ALIGN DWS TRUNCATED DOMES ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF THE RAMP AND PERPENDICULAR TO CURB WHEN APPROPRIATE.
   5.4. THE PUBLIC SIDEWALK CURB RAMP, DWS (SHADED AREA) SHALL BE SAFETY RED COLOR, EXCEPT IF THE MUNICIPALITIES HAVE ESTABLISHED AN ALTERNATIVE COLOR SCHEME.
   5.5. FOR TYPE S, TYPE E AND BLENDED TRANSITIONS, THE DWS MUST BE PLACED ALONG THE ENTIRE FLUSH CURB AND THE DOMES MUST BE PLACED IN SUCH A WAY THAT THE DIRECTION OF TRAVEL IS ORIENTED INTO THE SIDEWALK.
6. JOINTS
   6.1. PROVIDE EXPANSION JOINT MATERIAL 4" THICK WHERE CURB RAMP ADJOINS ANY RIGID PAVEMENT, SIDEWALK OR STRUCTURE WITH THE TOP OF JOINT FILLER FLUSH WITH ADJACENT CONCRETE SURFACE.
   6.2. SEAL JOINTS WITH AN APPROVED SEALING MATERIAL.
7. TURNING SPACES
   7.1. TURNING SPACE, APPROACH SIDEWALK TRANSITIONS, AND CURB RAMP SHALL BE KEPT CLEAR OF OBSTRUCTIONS, UNLESS AN EXCEPTION IS GRANTED.
   7.2. DO NOT EXCEED 2% FOR RUNNING AND CROSS SLOPES.
   7.3. TURNING SPACE SHALL BE 4'-0" MINIMUM CLEAR SPACE. IF THE TURNING SPACE IS CONSTRAINED ON 2 OR MORE SIDES, IT MUST BE 4'x5' WITH THE 5' LENGTH ALONG THE UNOBSTRUCTED SIDE. FOR TYPE S, E AND BLENDED TRANSITIONS, THE TURNING SPACE MUST HAVE A MINIMUM OF A 5' DEPTH (UNC) ALONG THE DETECTABLE WARNING SURFACE) ALONG THE FLUSH CURB/ROADWAY.
   7.4. 4'x4' TURNING SPACE ARE REQUIRED AT EVERY ACCESSIBLE PEDESTRIAN SIGNAL/PUSH BUTTON LOCATION.
   7.5. TURNING SPACE SHALL BE CONSTRUCTED AT THE TOP OF EVERY PERPENDICULAR RAMP AND AT THE BOTTOM OF EVERY PARALLEL RAMP.
8. SIDE FLARES
   8.1. ALL SLOPES ARE MEASURED WITH RESPECT TO A LEVEL PLANE. THEREFORE, THE LENGTH OF RAMP IS NOT SOLELY DEPENDENT ON THE HEIGHT OF CURB.
   8.2. SIDE FLARES 10% MAXIMUM SLOPES WHERE THE PEDESTRIAN PATH CROSSES THE CURB RAMP.
   8.3. SIDE FLARES MUST BE PARALLEL TO THE CURB LINE.
   8.4. GRADE GRASS AREAS OR OTHER NON-WALK AREAS AT 3:1 (:3) MAXIMUM. DO NOT INSTALL CHEEK WALLS THAT INTERSECT THE PEDESTRIAN ACCESS ROUTE.
   8.5. SIDE FLARE WIDTH IS TYPICALLY 24" AND A MINIMUM OF 12".
9. SIDEWALKS
   9.1. THE MAXIMUM SIDEWALK CROSS SLOPES IS 2% (MEASURED PERPENDICULAR TO THE DIRECTION OF TRAVEL). THE MAXIMUM GRADE IS 5%. FOR SIDEWALKS ALONG STREETS; HOWEVER THE LONGITUDINAL GRADE OF THE SIDEWALK SHOULD BE CONSISTENT WITH THE GRADE OF THE ADJACENT ROADWAY. IF THE 5% GRADE IS NOT FEASIBLE DUE TO TOPOGRAPHY AND OTHER PHYSICAL CONSTRAINTS, THE LOWEST PRACTICAL GRADE GREATER THAN 5% SHOULD BE USED.
   9.2. SIDEWALK WIDTH MAY BE REDUCED TO 4', WHEN PASSING AREAS 5'x5' ARE PROVIDED EVERY 200'.
10. ALL HANDICAP RAMPS CONSTRUCTED SHALL MEET THE LATEST VERSION OF THE ACCESSIBLE REQUIREMENTS OF THE AMERICAN WITH DISABILITIES ACT AND THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES.
11. GRADE BREAKS
   11.1. GRADE BREAKS AT THE TOP AND BOTTOM OF THE CURB RAMP SHALL BE PERPENDICULAR TO THE DIRECTION OF THE RAMP RUN.
   11.2. GRADE BREAKS AT THE TOP OF THE RAMP RUN SHALL BE FLUSH FOR CURB RAMPS WITH TURNING SPACES.
   11.3. SURFACE SLOPES THAT MEET AT THE GRADE BREAKS SHALL BE FLUSH.
12. ALL VERTICAL SURFACE DISCONTINUITIES SHALL NOT EXCEED ¼" IN HEIGHT. ANY VERTICAL SURFACE DISCONTINUITY BETWEEN ¼" AND ½" SHALL BE BEVELED AT A SLOPE NO GREATER THAN 50% ACROSS THE ENTIRE DISCONTINUITY.
13. HORIZONTAL OPENINGS IN GRATES AND JOINTS SHALL NOT EXCEED ½" IN DIAMETER AND THE GRATES SHALL BE PLACED SO THE LONG DIMENSION IS PERPENDICULAR TO THE DIRECTION OF TRAVEL.
14. THE CROSS SLOPE FOR CURB RAMPS, BLENDED TRANSITIONS, AND TURNING SPACES SHALL BE 2% MAXIMUM. AT PEDESTRIAN STREET CROSSINGS WITHOUT YEILD OR STOP CONTROL, THE CROSS SLOPES SHALL BE PERMITTED TO MATCH THE STREET GRADE.

THE CONTRACTOR AND/OR OWNER SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING STRUCTURES AND UTILITIES, WHICH HE DEEMS NECESSARY, BOTH ABOVE AND BELOW THE GROUND SURFACE BEFORE HEAVY EQUIPMENT ENTERS THE CONSTRUCTION SITE.

FINAL INQUIRIES TO "UNDERGROUND UTILITIES" (PHONE #: 1-800-272-1000) SHALL BE MADE BY THE CONTRACTOR AND/OR OWNER WITHIN SEVEN (7) DAYS OF ENTERING THE SITE. THE CONTRACTOR AND/OR OWNER SHALL COORDINATE AND VERIFY THE METHOD OF UTILITY LOCATION WITH THE APPROPRIATE UTILITY COMPANIES.

IN GENERAL, THE VERTICAL DESIGN OF PROPOSED GRAVITY UTILITIES, AS SHOWN, ARE INFLUENCED BY THE EXISTING GRAVITY UTILITIES ONLY, WHICH MAY NECESSITATE THE RELOCATIONS OF OTHER UTILITIES.

UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE, AND BASED ON EXISTING INFORMATION RECEIVED FROM UTILITY COMPANIES.

20 10 0 20 40 60 80

GRAPHIC SCALE: 1"=20'

REVISION NO. 1; REVISED PLAN SET TO ADDRESS COMPLETENESS PER ERI REVIEW LETTER DATED 8/1/2025.

DESIGNED: VK/VS/BH | DRAWN: ABH | CHECKED: VK

DATE SIGNED: 8/28/2025

VLADISLAV KOLDOMASOV

NJ PROFESSIONAL ENGINEER NO. 24GE05529600

REVISIONS NO.	DATE
1	8/28/25

GRADING PLAN

MARLTON CROSSING
BLOCK 24.21, LOT 3, TAX MAP SHEET 4
100 CENTRE BOULEVARD
EVESHAM TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

Taylor Wiseman & Taylor
ENGINEERS / SURVEYORS / SCIENTISTS
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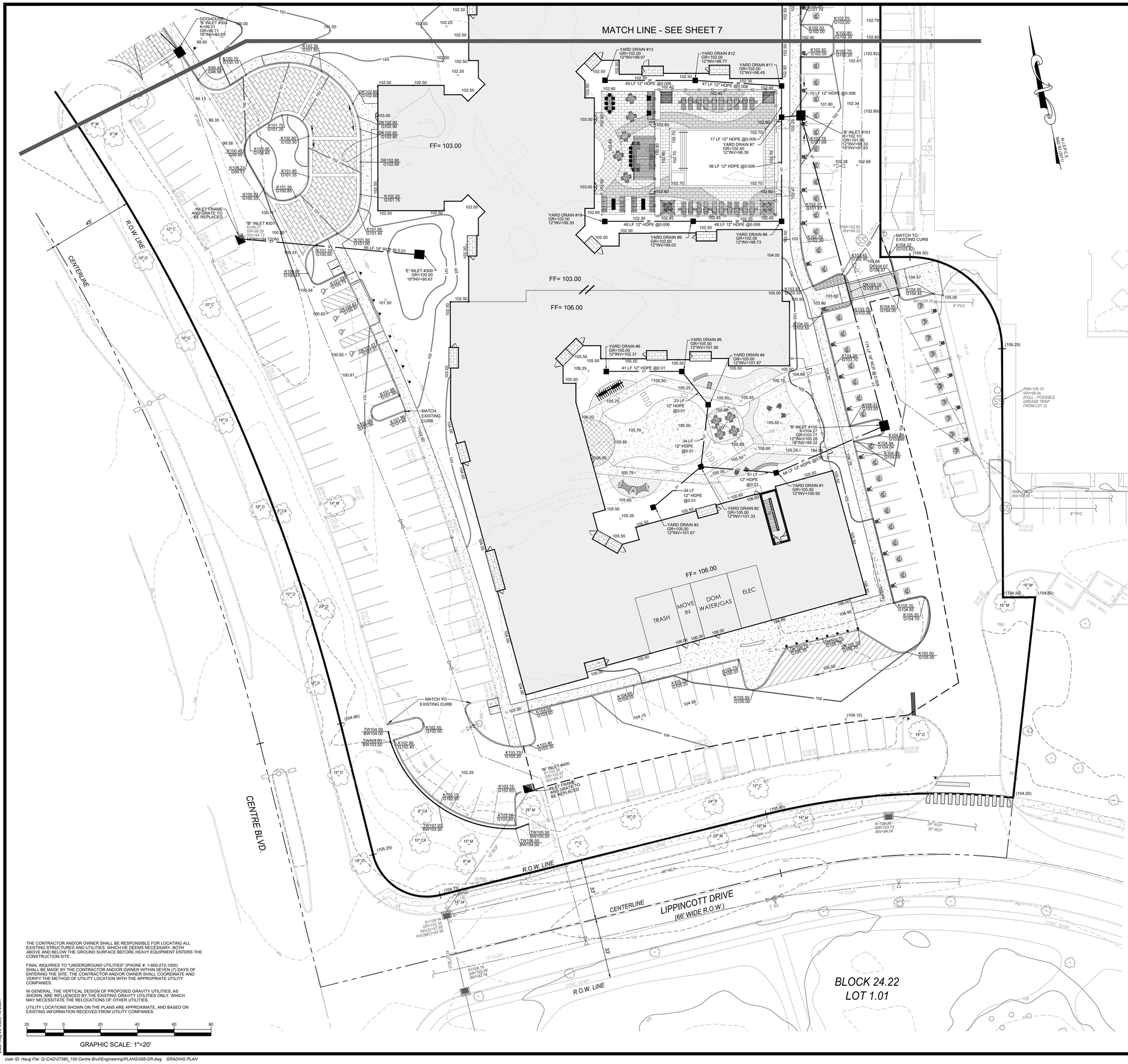
804 EAST GATE DRIVE, SUITE 100, MOUNT LAUREL, NJ 08054
TELEPHONE: (856) 235-7200 FAX: (856) 722-9250 www.taylorwiseman.com
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28032900

SCALE: 1"=20' | DATE: JUNE 26, 2025 | DRAWING NO.: 025-07380-SP | SHEET: 7 OF 26

Date: Aug 28, 2025, 10:00am

User ID: Haug File: Q:\CAD\07380_100 Centre Blvd\Engineering\PLANS\007-GR.dwg GRADING PLAN



GRADING NOTES:

1. SITE GRADING MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT AS REFERENCED IN THIS PLAN SET. IF NOT GEOTECHNICAL REPORT HAS BEEN REFERENCED, THE CONTRACTOR MUST HAVE A GEOTECHNICAL ENGINEER PROVIDE WRITTEN SPECIFICATIONS AND RECOMMENDATIONS PRIOR TO THE CONTRACTOR COMMENCING THE GRADING WORK. THE CONTRACTOR MUST FOLLOW THE REQUIREMENTS OF ALL MUNICIPAL, COUNTY, STATE, AND FEDERAL LAWS, WHICH HAVE JURISDICTION OVER THIS PROJECT.
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3. THE CONTRACTOR IS FULLY RESPONSIBLE FOR VERIFYING EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCING ANY CONSTRUCTION. SHOULD DISCREPANCIES BETWEEN THE PLANS AND INFORMATION OBTAINED THROUGH FIELD VERIFICATIONS BE IDENTIFIED OR EXIST, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, IN WRITING.
4. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REPLACING ALL UNSUITABLE MATERIALS WITH SUITABLE MATERIALS AS SPECIFIED IN THE GEOTECHNICAL REPORT. THE CONTRACTOR MUST COMPACT ALL EXCAVATED OR FILLED AREAS IN STRICT ACCORDANCE WITH THE GEOTECHNICAL REPORT'S GUIDANCE. MOISTURE CONTENT AT TIME OF PLACEMENT MUST BE SUBMITTED IN A COMPACTION REPORT PREPARED BY A QUALIFIED GEOTECHNICAL ENGINEER, REGISTERED WITH THE STATE WHERE THE WORK IS PERFORMED. THIS REPORT MUST VERIFY THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT AND ALL APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES WHICH ARE IN EFFECT AND WHICH ARE APPLICABLE TO THE PROJECT. SUBBASE MATERIAL FOR SIDEWALKS, CURB, OR ASPHALT MUST BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBBASE BE DEEMED UNSUITABLE BY OWNER/DEVELOPER, OR OWNER/DEVELOPERS REPRESENTATIVE, SUBBASE MUST BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL, COMPACTED AS THE GEOTECHNICAL REPORT DIRECTS. EARTHWORK ACTIVITIES INCLUDING, BUT NOT LIMITED TO, EXCAVATION, BACKFILL, AND COMPACTING MUST COMPLY WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT AND ALL APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES. EARTHWORK ACTIVITIES MUST COMPLY WITH THE STANDARD STATE DOT SPECIFICATIONS FOR ROADWAY CONSTRUCTION (LATEST EDITION) AND ANY AMENDMENTS OR REVISIONS THERETO.
5. IN THE EVENT OF A DISCREPANCY(IES) AND/OR A CONFLICT(S) BETWEEN PLANS, OR RELATIVE TO OTHER PLANS, THE GRADING PLAN TAKES PRECEDENCE AND CONTROLS. THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, IN WRITING, OF ANY DISCREPANCY(IES) AND/OR CONFLICT(S).
6. THE CONTRACTOR IS RESPONSIBLE TO IMPORT FILL OR EXPORT EXCESS MATERIAL AS NECESSARY TO CONFORM TO THE PROPOSED GRADING, AND TO BACKFILL EXCAVATIONS FOR THE INSTALLATION OF UNDERGROUND IMPROVEMENTS.
7. PROPOSED FILL MATERIAL SHALL BE PLACES IN 6-INCH LIFTS AND COMPACTED TO 95% MAXIMUM DRY DENSITY AS DETERMINED BY PROCTOR TESTING OF FILL MATERIAL. PLACEMENT OF FILL MATERIAL SHOULD BE OVERSEEN AND TESTED BY A QUALIFIED GEOTECHNICAL ENGINEER.
8. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6-INCHES ABOVE PAVEMENT GRADE UNLESS OTHERWISE NOTED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE ENGINEER OF RECORD APPROVES FINAL CURBING CUT SHEETS PRIOR TO INSTALLING CURBING.
9. THE CONTRACTOR MUST CONFIRM AND ENSURE THAT AS CONSTRUCTED IMPROVEMENTS CREATE THE FOLLOWING MINIMUM SLOPES (EXCEPT WHERE ADA REQUIREMENTS LIMIT THEM): 1.0% ON ALL CONCRETE SURFACE, 1.5% ACROSS ASPHALT SURFACES, 2% IN LANDSCAPE AREAS AND 0.75% SLOPE AGAINST ALL ISLANDS, GUTTERS, AND CURBS TO PROVIDE POSITIVE DRAINAGE.
10. MAXIMUM SLOPES ACROSS UNPAVED TRANSITION GRADING AREAS SHALL BE 3:1 (H:V), UNLESS NOTED OTHERWISE.
11. WHERE RETAINING WALLS (WHETHER OR NOT THEY MEET THE JURISDICTIONAL DEFINITION) ARE IDENTIFIED ON THE PLANS, TOP AND BOTTOM OF WALL ELEVATIONS (TW & BW) REPRESENT THE PROPOSED FINISHED GRADE AT THE FACE OF WALL AND DO NOT REPRESENT THE ELEVATION OF THE PROPOSED WALL (INCLUDING THE CAP UNIT OR FOOTING). WALL FOOTINGS/FOUNDATION ELEVATION WHICH ARE NOT IDENTIFIED HEREIN AND ARE TO BE SETDETERMINED BY THE CONTRACTOR, MUST BE DETERMINED AND SET BASED UPON FINAL STRUCTURAL DESIGN SHOP DRAWINGS PREPARED BY THE APPROPRIATE PROFESSIONAL LICENSED IN THE STATE WHERE THE CONSTRUCTION OCCURS. THE CONTRACTOR MUST ENSURE THAT LICENSED STRUCTURAL ENGINEER DESIGNS ALL WALLS SHOWN HEREON AND THAT PROPER TO CONSTRUCTION, THE MUNICIPALITY APPROVES ALL SIGNED AND SEALED SHOP DRAWINGS. FURTHER, THE CONTRACTOR MUST ENSURE THAT FENCING, GUIDERAIL, UTILITIES, AND OTHER SITE AMENITIES IN THE VICINITY OF THE RETAINING WALL(S), PROPOSED SCHEMATICALLY IN THESE PLANS, ARE MATERIALLY CONSIDERED AND INCORPORATED INTO THE RETAINING WALL DESIGN (BY OTHERS).
12. THE CONTRACTOR MUST ENSURE THAT THERE ARE NO UTILITIES INSTALLED ON THE PASSIVE SIDE OF THE RETAINING WALL. NO EXCAVATION MAY BE PERFORMED ON THE PASSIVE SIDE OF THE RETAINING WALL WITHOUT APPROPRIATELY AND SAFELY SUPPORTING THE WALL IN ACCORDANCE WITH THE STANDARD OF CARE AND ALL APPLICABLE RULES, REGULATIONS, CODES, ORDINANCES, LAWS AND STATUTES.

CURB RAMP NOTES:

1. CHEEK WALLS
   1.1. CHEEK WALLS ARE PERMITTED WHEN ADJACENT TO NON-WALK AREAS OR ELEVATION DIFFERENCES CANNOT BE ACCOMMODATED.
2. CROSSWALKS
   2.1. FOR CURB RAMPS THAT LEAD TO A SINGLE CROSSWALK, THE RAMP (EXCLUDING FLARES) TO BE FULLY INSIDE OF MARKED CROSSWALK LINES.
   2.2. SHOULD BE PLACED A MINIMUM DISTANCE OF 4'-0" FROM STOP AND YIELD LINES.
   2.3. FOR UN-SIGNALIZED AREAS, CROSSWALKS SHOULD BE PLACED A MINIMUM DISTANCE OF 20'-0" AWAY FROM ON ROAD PARKING ZONES. FOR SIGNALIZED AREAS, CROSSWALKS SHOULD BE PLACED A MINIMUM DISTANCE OF 30'-0" FROM ON ROAD PARKING ZONES.
   2.4. PEDESTRIAN CROSSWALK IS 6' MINIMUM, UNLESS STATED OTHERWISE ON THE PLAN.
   2.5. USE LONGITUDINAL LINES AT 6' LONG AND 2' WIDE WITH A SPACING OF 2' APART. SPACING SHOULD BE DESIGNED SO THAT PAINTED AREAS AVOID THE WHEEL PATHS.
3. CURB RAMPS
   3.1. CONSTRUCT CURB RAMPS WITH A MINIMUM OF 4'x4' CLEAR SPACE BEFORE THE CURB FACE, WITHIN THE WIDTH OF THE CROSSWALK.
   3.2. SLOPES THAT EXCEED 8.33% OR 1:12, WILL NOT BE ACCEPTED AND WILL BE RECONSTRUCTED.
   3.3. PROVIDE SLIP RESISTANT TEXTURE ON CURB RAMP BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP. EXTEND TEXTURE THE FULL WIDTH AND LENGTH OF THE CURB RAMP INCLUDING FLARED SIDE RAMPS.
   3.4. DO NOT EXCEED 2% CROSS SLOPE ON THE CURB RAMP OR PEDESTRIAN ACCESSIBLE ROUTE (MEASURED PERPENDICULAR TO THE DIRECTION OF TRAVEL).
   3.5. CURB RAMP WIDTH IS 4' MINIMUM.
   3.6. ALL SLOPES ARE MEASURED WITH RESPECT TO A LEVEL PLANE. THEREFORE, THE LENGTH OF RAMP IS NOT SOLELY DEPENDENT ON THE HEIGHT OF CURB.
   3.7. THE CHANGE IN GRADE AT THE BOTTOM OF THE CURB RAMP AND ADJOINING ROAD SURFACE IS NOT TO EXCEED ALGEBRAIC DIFFERENCE OF 11%. THE COUNTER SLOPE OF THE GUTTER OR ROAD AT THE FOOT OF A CURB RAMP, TURNING SPACE OR BLENDED TRANSITION IS NOT TO EXCEED 8% AND IT IS NOT NECESSARY TO HAVE THE LENGTH GREATER THAN 15'.
   3.8. FOR BLENDED TRANSITION CURB RAMPS, THE MAXIMUM RUNNING SLOPE IS 5% WITH A MAXIMUM 2% CROSS SLOPE.
4. FLUSH CURB
   4.1. CONSTRUCT TOP OF PLAIN CEMENT CONCRETE FLUSH CURB TO BE FLUSH WITH ADJACENT SURFACES (RAMPS, SIDEWALK, FLARES).
   4.2. CONSTRUCT FLUSH CURB FOR CURB RAMPS FLUSH TO ADJACENT ROADWAY. GRADE EDGE OF ROAD ELEVATION AT THE FLOW LINE TO ENSURE POSITIVE DRAINAGE AND PREVENT PONDING. THE VERTICAL ALIGNMENT OF A CURB RAMP, EXCLUDING FLARES, SHALL BE PLANAR. GRADE BREAK SHALL BE FLUSH AND PERPENDICULAR TO THE DIRECTION OF THE RAMP RUN. RAMP TRANSITIONS BETWEEN WALKS, GUTTERS, TURNING SPACES, OR STREETS SHALL BE FLUSH AND FREE ABRUPT VERTICAL CHANGES (¼" MAXIMUM).
   4.3. FOR TYPE 5 AND TYPE 6 RAMPS AND BLENDED TRANSITIONS, THE FLUSH CURB MUST EXTEND FROM THE OUTER MOST EDGE OF EACH CROSSWALK.
5. DETECTABLE WARNING SURFACES
   5.1. NO SEPARATION BETWEEN DETECTABLE WARNING SURFACES FOR MEDIANS LESS THAN 4' BETWEEN BACK OF CURBS.
   5.2. PROVIDE DETECTABLE WARNING SURFACES (DWS) 24" MINIMUM (IN THE DIRECTION OF PEDESTRIAN TRAVEL) ACROSS FULL WIDTH OF RAMP AT THE GRADE BREAK.NEAR STREET EDGE. PROVIDE DWS THAT CONTRAST VISUALLY WITH ADJACENT WALKWAY SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT FOR THE FULL WIDTH OF RAMP.
   5.3. ALIGN DWS TRUNCATED DOMES ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF THE RAMP AND PERPENDICULAR TO CURB WHEN APPROPRIATE.
   5.4. THE PUBLIC SIDEWALK CURB RAMP, DWS (SHADED AREA) SHALL BE SAFETY RED COLOR, EXCEPT IF THE MUNICIPALITIES HAVE ESTABLISHED AN ALTERNATIVE COLOR SCHEME.
   5.5. FOR TYPE 5, TYPE 6 AND BLENDED TRANSITIONS, THE DWS MUST BE PLACED ALONG THE ENTIRE FLUSH CURB AND THE DOMES MUST BE PLACED IN SUCH A WAY THAT THE DIRECTION OF TRAVEL IS ORIENTED INTO THE SIDEWALK.
6. JOINTS
   6.1. PROVIDE EXPANSION JOINT MATERIAL ½" THICK WHERE CURB RAMP ADJOINS ANY RIGID PAVEMENT, SIDEWALK OR STRUCTURE WITH THE TOP OF JOINT FILLER FLUSH WITH ADJACENT CONCRETE SURFACE.
   6.2. SEAL JOINTS WITH AN APPROVED SEALING MATERIAL.
7. TURNING SPACES
   7.1. TURNING SPACE, APPROACH SIDEWALK TRANSITIONS, AND CURB RAMP SHALL BE KEPT CLEAR OF OBSTRUCTIONS, UNLESS AN EXCEPTION IS GRANTED.
   7.2. DO NOT EXCEED 2% FOR RUNNING AND CROSS SLOPES.
   7.3. TURNING SPACE SHOULD BE 4'x4' MINIMUM CLEAR SPACE. IF THE TURNING SPACE IS CONSTRAINED ON 2 OR MORE SIDES, IT MUST BE 4'x5' WITH THE 5' LENGTH ALONG THE UNOBSTRUCTED SIDE. FOR TYPE 5, 6 AND BLENDED TRANSITIONS, THE TURNING SPACE MUST HAVE A MINIMUM OF A 5' DEPTH (INCLUDING THE DETECTABLE WARNING SURFACE) ALONG THE FLUSH CURB/ROADWAY.
   7.4. 4'x4' TURNING SPACE ARE REQUIRED AT EVERY ACCESSIBLE PEDESTRIAN SIGNAL/PUSH BUTTON LOCATION.
   7.5. TURNING SPACE SHALL BE CONSTRUCTED AT THE TOP OF EVERY PERPENDICULAR RAMP AND AT THE BOTTOM OF EVERY PARALLEL RAMP.
8. SIDE FLARES
   8.1. ALL SLOPES ARE MEASURED WITH RESPECT TO A LEVEL PLANE. THEREFORE, THE LENGTH OF RAMP IS NOT SOLELY DEPENDENT ON THE HEIGHT OF CURB.
   8.2. SIDE FLARES 10% MAXIMUM SLOPES WHERE THE PEDESTRIAN PATH CROSSES THE CURB RAMP.
   8.3. SIDE FLARES MUST BE PARALLEL TO THE CURB LINE.
   8.4. GRADE GRASS AREAS OR OTHER NON-WALK AREAS AT 3:1 (1:3) MAXIMUM. DO NOT INSTALL CHEEK WALLS THAT INTERSECT THE PEDESTRIAN ACCESS ROUTE
   8.5. SIDE FLARE WIDTH IS TYPICALLY 24" AND A MINIMUM OF 12".
9. SIDEWALKS
   9.1. THE MAXIMUM SIDEWALK CROSS SLOPES IS 2% (MEASURED PERPENDICULAR TO THE DIRECTION OF TRAVEL). THE MAXIMUM GRADE IS 5%. FOR SIDEWALKS ALONG STREETS; HOWEVER THE LONGITUDINAL GRADE OF THE SIDEWALK SHOULD BE CONSISTENT WITH THE GRADE OF THE ADJACENT ROADWAY. IF THE 5% GRADE IS NOT FEASIBLE DUE TO TOPOGRAPHY AND OTHER PHYSICAL CONSTRAINTS, THE LOWEST PRACTICAL GRADE GREATER THAN 5% SHOULD BE USED.
   9.2. SIDEWALK WIDTH MAY BE REDUCED TO 4', WHEN PASSING AREAS 5'x5' ARE PROVIDED EVERY 200'.
10. ALL HANDICAP RAMPS CONSTRUCTED SHALL MEET THE LATEST VERSION OF THE ACCESSIBLE REQUIREMENTS OF THE AMERICAN WITH DISABILITIES ACT AND THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES.
11. GRADE BREAKS
   11.1. GRADE BREAKS AT THE TOP AND BOTTOM OF THE CURB RAMP SHALL BE PERPENDICULAR TO THE DIRECTION OF THE RAMP RUN.
   11.2. GRADE BREAKS ARE NOT PERMITTED ON THE SURFACE OF RAMP RUN OR TURNING SPACES.
   11.3. SURFACE SLOPES THAT MEET AT THE GRADE BREAKS SHALL BE FLUSH.
12. ALL VERTICAL SURFACE DISCONTINUITIES SHALL NOT EXCEED ¼" IN HEIGHT. ANY VERTICAL SURFACE DISCONTINUITY BETWEEN ¼" AND ½" SHALL BE BEVELED AT A SLOPE NO GREATER THAN 50% ACROSS THE ENTIRE DISCONTINUITY.
13. HORIZONTAL OPENINGS IN GRATES AND JOINTS SHALL NOT EXCEED ½" IN DIAMETER AND THE GRATES SHALL BE PLACED SO THE LONG DIMENSION IS PERPENDICULAR TO THE DIRECTION OF TRAVEL.
14. THE CROSS SLOPE FOR CURB RAMPS, BLENDED TRANSITIONS, AND TURNING SPACES SHALL BE 2% MAXIMUM. AT PEDESTRIAN STREET CROSSINGS WITHOUT YEILD OR STOP CONTROL, THE CROSS SLOPES SHALL BE PERMITTED TO MATCH THE STREET GRADE.

GRADING LEGEND

EXISTING		PROPOSED
00	MAJOR CONTOUR LINE	00
00	MINOR CONTOUR LINE	00
00x00	GRADE	00×00
N/A	MEET EXISTING GRADE	(00×00)
K38.50	TOP OF CURB ELEVATION	K38.50
G38.00	GUTTER ELEVATION	G38.00
K38.50	TOP OF CURB ELEVATION TO MEET EXISTING GRADE	(K38.50)
G38.00	GUTTER ELEVATION TO MEET EXISTING GRADE	(G38.00)

THE CONTRACTOR AND/OR OWNER SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING STRUCTURES AND UTILITIES, WHICH HE DEEMS NECESSARY, BOTH ABOVE AND BELOW THE GROUND SURFACE BEFORE HEAVY EQUIPMENT ENTERS THE CONSTRUCTION SITE.

FINAL INQUIRIES TO "UNDERGROUND UTILITIES" (PHONE #: 1-800-272-1000) SHALL BE MADE BY THE CONTRACTOR AND/OR OWNER WITHIN SEVEN (7) DAYS OF ENTERING THE SITE. THE CONTRACTOR AND/OR OWNER SHALL COORDINATE AND VERIFY THE METHOD OF UTILITY LOCATION WITH THE APPROPRIATE UTILITY COMPANIES.

IN GENERAL, THE VERTICAL DESIGN OF PROPOSED GRAVITY UTILITIES, AS SHOWN, ARE INFLUENCED BY THE EXISTING GRAVITY UTILITIES ONLY, WHICH MAY NECESSITATE THE RELOCATIONS OF OTHER UTILITIES.

UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE, AND BASED ON EXISTING INFORMATION RECEIVED FROM UTILITY COMPANIES.

20 10 0 20 40 60 80

GRAPHIC SCALE: 1"=20'

REVISION NO. 1: REVISED PLAN SET TO ADDRESS COMPLETENESS PER ERI REVIEW LETTER DATED 8/1/2025.

DESIGNED: VK/VS/RH	DRAWN: AMH	CHECKED: VK	GRADING PLAN
DATE SIGNED: 8/28/2025		REVISIONS NO. 1	DATE 8/28/25

VLADISLAV KOLDOMASOV

MARLTON CROSSING
BLOCK 24.21, LOT 3, TAX MAP SHEET 4
100 CENTRE BOULEVARD
EVESHAM TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

Taylor Wiseman & Taylor
ENGINEERS / SURVEYORS / SCIENTISTS
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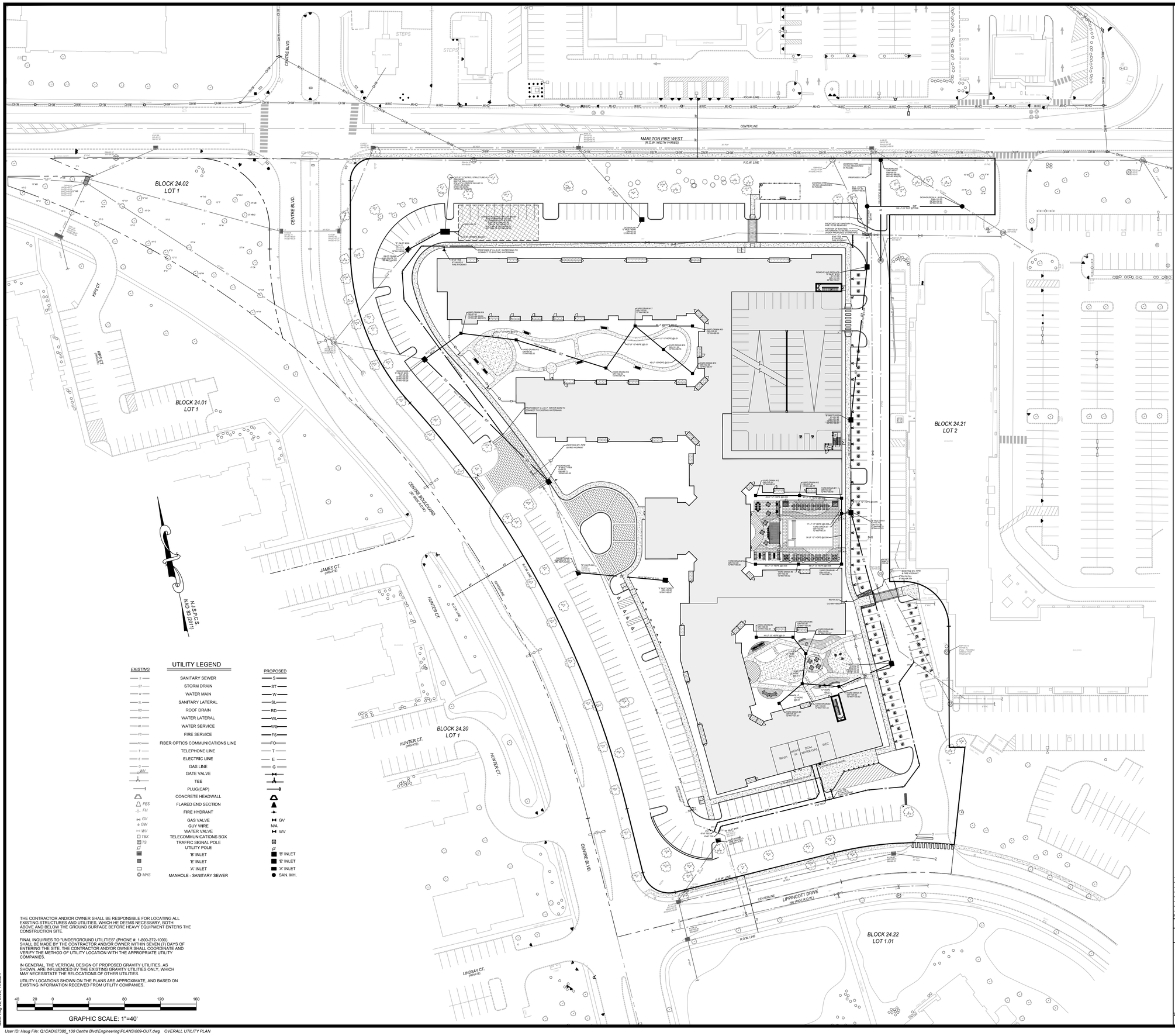
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28032900

N.J. PROFESSIONAL ENGINEER NO. 24GE05529600

SCALE:	DATE:	DRAWING NO.	SHEET:
1"=20'	JUNE 26, 2025	025-07380-SP	8 OF 26

Date: Aug 28, 2025, 10:00am

User ID: Haug File: Q:\CAD\07380_100 Centre Blvd\Engineering\PLANS\008-GR.dwg GRADING PLAN



UTILITY LEGEND

EXISTING		PROPOSED
S	SANITARY SEWER	S
ST	STORM DRAIN	ST
W	WATER MAIN	W
SL	SANITARY LATERAL	SL
RD	ROOF DRAIN	RD
WL	WATER LATERAL	WL
WS	WATER SERVICE	WS
FS	FIRE SERVICE	FS
FO	FIBER OPTICS COMMUNICATIONS LINE	FO
T	TELEPHONE LINE	T
E	ELECTRIC LINE	E
G	GAS LINE	G
GV	GATE VALVE	
	TEE	
	PLUG(CAP)	
	CONCRETE HEADWALL	
FES	FLARED END SECTION	
FH	FIRE HYDRANT	
GV	GAS VALVE	GV
GW	GUY WIRE	N/A
WV	WATER VALVE	WV
TBX	TELECOMMUNICATIONS BOX	
TS	TRAFFIC SIGNAL POLE	
	UTILITY POLE	
	'B' INLET	'B' INLET
	'E' INLET	'E' INLET
	'A' INLET	'A' INLET
MHS	MANHOLE - SANITARY SEWER	SAN. MH.

THE CONTRACTOR AND/OR OWNER SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING STRUCTURES AND UTILITIES, WHICH HE DEEMS NECESSARY, BOTH ABOVE AND BELOW THE GROUND SURFACE BEFORE HEAVY EQUIPMENT ENTERS THE CONSTRUCTION SITE.

FINAL INQUIRIES TO "UNDERGROUND UTILITIES" (PHONE #: 1-800-272-1000) SHALL BE MADE BY THE CONTRACTOR AND/OR OWNER WITHIN SEVEN (7) DAYS OF ENTERING THE SITE. THE CONTRACTOR AND/OR OWNER SHALL COORDINATE AND VERIFY THE METHOD OF UTILITY LOCATION WITH THE APPROPRIATE UTILITY COMPANIES.

IN GENERAL, THE VERTICAL DESIGN OF PROPOSED GRAVITY UTILITIES, AS SHOWN, ARE INFLUENCED BY THE EXISTING GRAVITY UTILITIES ONLY, WHICH MAY NECESSITATE THE RELOCATIONS OF OTHER UTILITIES.

UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE, AND BASED ON EXISTING INFORMATION RECEIVED FROM UTILITY COMPANIES.

40 20 0 40 80 120 160

GRAPHIC SCALE: 1"=40'

UTILITY NOTES

1. LOCATIONS OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE, AND THE CONTRACTOR MUST INDEPENDENTLY VERIFY AND CONFIRM THOSE LOCATIONS AND SERVICES WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCING ANY CONSTRUCTION OR EXCAVATION. THE CONTRACTOR MUST INDEPENDENTLY VERIFY AND CONFIRM ALL SANITARY CONNECTION POINTS AND ALL OTHER UTILITY SERVICE CONNECTION POINTS IN THE FIELD, PRIOR TO COMMENCING ANY CONSTRUCTION. THE CONTRACTOR MUST REPORT ALL DISCREPANCIES, ERRORS AND OMISSIONS IN WRITING, TO THE ENGINEER OF RECORD.
2. THE CONTRACTOR MUST VERTICALLY AND HORIZONTALLY LOCATE ALL UTILITIES AND SERVICES INCLUDING, BUT NOT LIMITED TO, GAS, WATER, ELECTRIC, SANITARY AND STORM, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE OR WORK SPACE, WHICHEVER IS GREATER. THE CONTRACTOR MUST USE, REFER TO, AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL OF THE UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO ANY EXISTING UTILITIES WHICH OCCUR DURING CONSTRUCTION, AT NO COST TO THE OWNER AND AT CONTRACTOR'S SOLE COST AND EXPENSE. THE CONTRACTOR MUST BEAR ALL COSTS ASSOCIATED WITH DAMAGE TO ANY EXISTING UTILITIES WHICH OCCURS DURING CONSTRUCTION.
3. THE CONTRACTOR MUST FIELD VERIFY THE PROPOSED INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES BY USING A TEST PIT TO CONFIRM EXACT DEPTH, PRIOR TO COMMENCEMENT OF CONSTRUCTION.
4. STORMWATER ROOF DRAIN LOCATIONS ARE BASED ON ARCHITECTURAL PLANS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATIONS OF SAME BASED UPON FINAL ARCHITECTURAL PLANS.
5. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING SITE PLAN DOCUMENTS AND ARCHITECTURAL PLANS FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS; GREASE TRAP REQUIREMENTS; AND DETAILS, DOOR ACCESS, AND EXTERIOR GRADING. THE ARCHITECT WILL DETERMINE THE UTILITY SERVICE SIZES. THE CONTRACTOR MUST COORDINATE INSTALLATION OF UTILITY SERVICES WITH THE INDIVIDUAL COMPANIES TO AVOID CONFLICTS AND TO ENSURE THAT PROPER DEPTHS ARE ACHIEVED. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT INSTALLATION OF ALL IMPROVEMENTS COMPLIES WITH ALL UTILITY REQUIREMENTS OF THE APPLICABLE JURISDICTION AND REGULATORY AGENCIES AND ALL OTHER APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES AND, FURTHER, IS RESPONSIBLE FOR COORDINATING THE UTILITY TIE-INS/CONNECTIONS PRIOR TO CONNECTING TO THE EXISTING UTILITY/SERVICE. WHERE A CONFLICT(S) EXISTS BETWEEN THESE DOCUMENTS AND THE ARCHITECTURAL PLANS, OR WHERE ARCHITECTURAL PLAN UTILITY CONNECTION POINTS DIFFER, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, IN WRITING, AND PRIOR TO CONSTRUCTION, MUST RESOLVE SAME.
6. DURING THE INSTALLATION OF SANITARY, STORM, AND ALL UTILITIES, THE CONTRACTOR MUST MAINTAIN A CONTEMPORANEOUS AND THOROUGH RECORD OF CONSTRUCTION TO IDENTIFY THE AS-INSTALLED LOCATIONS OF ALL UNDERGROUND INFRASTRUCTURE. THE CONTRACTOR MUST CAREFULLY NOTE ANY INSTALLATIONS THAT DEVIATE, IN ANY RESPECT, FROM THE INFORMATION CONTAINED IN THESE PLANS. THIS RECORD MUST BE KEPT ON A CLEAN COPY OF THE APPROPRIATE PLAN(S), WHICH THE CONTRACTOR MUST PROMPTLY PROVIDE TO THE OWNER IMMEDIATELY UPON THE COMPLETION OF WORK.
7. THE CONTRACTOR MUST ENSURE THAT ALL UTILITY TRENCHES LOCATED IN EXISTING PAVED ROADWAYS INCLUDING SANITARY, WATER AND STORM SYSTEMS, ARE REPAIRED IN ACCORDANCE WITH REFERENCED MUNICIPAL, COUNTY AND OR STATE DOT DETAILS AS APPLICABLE. THE CONTRACTOR MUST COORDINATE INSPECTION AND APPROVAL OF COMPLETED WORK WITH THE AGENCY WITH JURISDICTION OVER SAME.
8. FINAL LOCATIONS OF PROPOSED UTILITY POLES, AND/ OR POLES TO BE RELOCATED ARE AT THE SOLE DISCRETION OF THE RESPECTIVE UTILITY COMPANY, REGARDLESS OF WHAT THIS PLAN DEPICTS.
9. WATER SERVICE MATERIALS, BURIAL DEPTH, AND COVER REQUIREMENTS MUST BE SPECIFIED BY THE EVESHAM MUNICIPAL UTILITY AUTHORITY (EMUA). THE CONTRACTOR MUST CONTACT EMUA TO CONFIRM THE PROPER WATER METER, PRIOR TO COMMENCING CONSTRUCTION.
10. THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY/WATER CLEANOUT MUST BE ADJUSTED, AS NECESSARY, TO MATCH PROPOSED FINISHED GRADES WITH NO TRIPPING OR SAFETY HAZARD IN ACCORDANCE WITH ALL APPLICABLE STANDARDS, REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES.
11. SEWERS CONVEYING SANITARY FLOW, COMBINED SANITARY AND STORMWATER FLOW, OR INDUSTRIAL FLOW MUST BE SEPARATED FROM WATER MAINS BY A DISTANCE OF AT LEAST 10 FEET HORIZONTALLY. IF SUCH LATERAL SEPARATION IS NOT POSSIBLE, THE PIPES MUST BE IN SEPARATE TRENCHES WITH THE AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN, OR SUCH OTHER SEPARATION AS APPROVED BY THE GOVERNMENTAL AGENCY WITH JURISDICTION OVER SAME. WHERE APPROPRIATE SEPARATION FROM A WATER MAIN IS NOT POSSIBLE, THE SEWER MUST BE ENCASED IN CONCRETE, OR CONSTRUCTED OF DUCTILE IRON PIPE USING MECHANICAL OR SLIP-ON JOINTS FOR A DISTANCE OF AT LEAST 10 FEET ON EITHER SIDE OF THE CROSSING. IN ADDITION, ONE FULL LENGTH OF SEWER PIPE SHOULD BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE WATER LINE AS POSSIBLE. WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWER MUST BE PROVIDED.
12. STORM AND SANITARY PIPE LENGTHS INDICATED ARE NOMINAL AND ARE MEASURED FROM CENTER OF INLET AND/OR MANHOLES STRUCTURE TO CENTER OF STRUCTURE.
13. THE CONTRACTOR MUST NOTIFY, IN WRITING, THE MUNICIPAL ENGINEER AND/OR UTILITY AUTHORITY ENGINEER AT LEAST THREE (3) BUSINESS DAYS PRIOR TO INSTALLATION OF SANITARY COMPONENTS. FAILURE TO HAVE SANITARY INSTALLATION AND TESTING OBSERVED BY THE DESIGNATED ENGINEER MAY REQUIRE RE-EXCAVATION OF SANITARY LINE, AND RE-TESTING, WHICH WILL BE DONE AT THE CONTRACTOR'S SOLE COST AND EXPENSE.
14. SEWERS CROSSING STREAMS, AND/OR LOCATION WITHIN 10 FEET OF THE STREAM EMBANKMENT, OR WHERE SITE CONDITIONS SO INDICATE, MUST BE CONSTRUCTED OF REINFORCED CONCRETE, DUCTILE IRON OR OTHER SUITABLE MATERIAL.
15. SANITARY PIPE MUST BE POLYVINYL CHLORIDE (PVC) SDR 35 EXCEPT WHERE CLEARLY INDICATED OTHERWISE.
    15.1. FOR PIPES LESS THAN 12 FEET DEEP: POLYVINYL CHLORIDE (PVC) SDR 35 PER ASTM D3034.
    15.2. FOR PIPES GREATER THAN 12 FEET DEEP: POLYVINYL CHLORIDE (PVC) SDR 26 PER ASTM D3034.
    15.3. SANITARY LATERAL MUST BE PVC SCHEDULE 40 OR PVC SDR 26 UNLESS CLEARLY INDICATED OTHERWISE.
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17. WATER MAIN PIPING MUST BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF EVESHAM MUNICIPAL UTILITY AUTHORITY. IN THE ABSENCE OF SUCH REQUIREMENTS, WATER MAIN PIPING MUST BE CEMENT-LINED DUCTILE IRON (DIP) MINIMUM CLASS 52 THICKNESS. ALL PIPE AND APPURTENANCES MUST COMPLY WITH THE APPLICABLE AWWA STANDARDS IN EFFECT AT THE TIME OF APPLICATION.
18. GAS METERS MUST BE PROTECTED BY BOLLARDS AND FENCES IF INSTALLED WITHIN THE EXTERIOR OF THE BUILDING AS REQUIRED BY THE JURISDICTIONAL GAS PROVIDER.
19. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL TO THE TOWNSHIP ENGINEER FOR ALL CATCH BASINS, CASTINGS, OUTLET STRUCTURES, HEADWALLS, PIPING, AND ASSOCIATED APPURTENANCES.

EVESHAM TOWNSHIP FIRE DEPARTMENT NOTES:

1. THE RELOCATION OF THE WATERMAIN ONSITE SHALL BE DONE IN A WAY TO MINIMIZE THE DISTURBANCE OF THE EXISTING ADJACENT PROPERTIES SERVICE TO THE MAXIMUM EXTENT POSSIBLE.
2. ALL FIRE HYDRANTS MUST BE CAPABLE OF DELIVERING A MINIMUM OF 1,000 GALLONS PER MINUTE OF WATER.
3. FIRE ZONES SHALL BE INSTALLED WITH 4" SOLID YELLOW PAINTED LINES AND SIGNS THROUGHOUT THE PARKING LOT TO IDENTIFY "NO PARKING ZONES" IN ACCORDANCE WITH IFC SECTION 503.3. THESE AREAS ARE TO BE COORDINATED WITH THE EVESHAM TOWNSHIP FIRE OFFICIAL PRIOR TO INSTALLATION.
4. AS INDICATED IN IFC SECTION 503.2.3, A PAVED/SCRATCH COAT OF ASPHALT SHALL BE PROVIDED CAPABLE OF HANDLING A WEIGHT OF 75,500 POUNDS PRIOR TO VERTICAL BUILDING CONSTRUCTION. ALL FIRE HYDRANTS MUST BE INSTALLED, TESTED AND CERTIFIED BEFORE CONSTRUCTION OF THE BUILDING IS TO BEGIN.

REVISION NO. 1: REVISED PLAN SET TO ADDRESS COMPLETENESS PER ERI REVIEW LETTER DATED 8/1/2025.

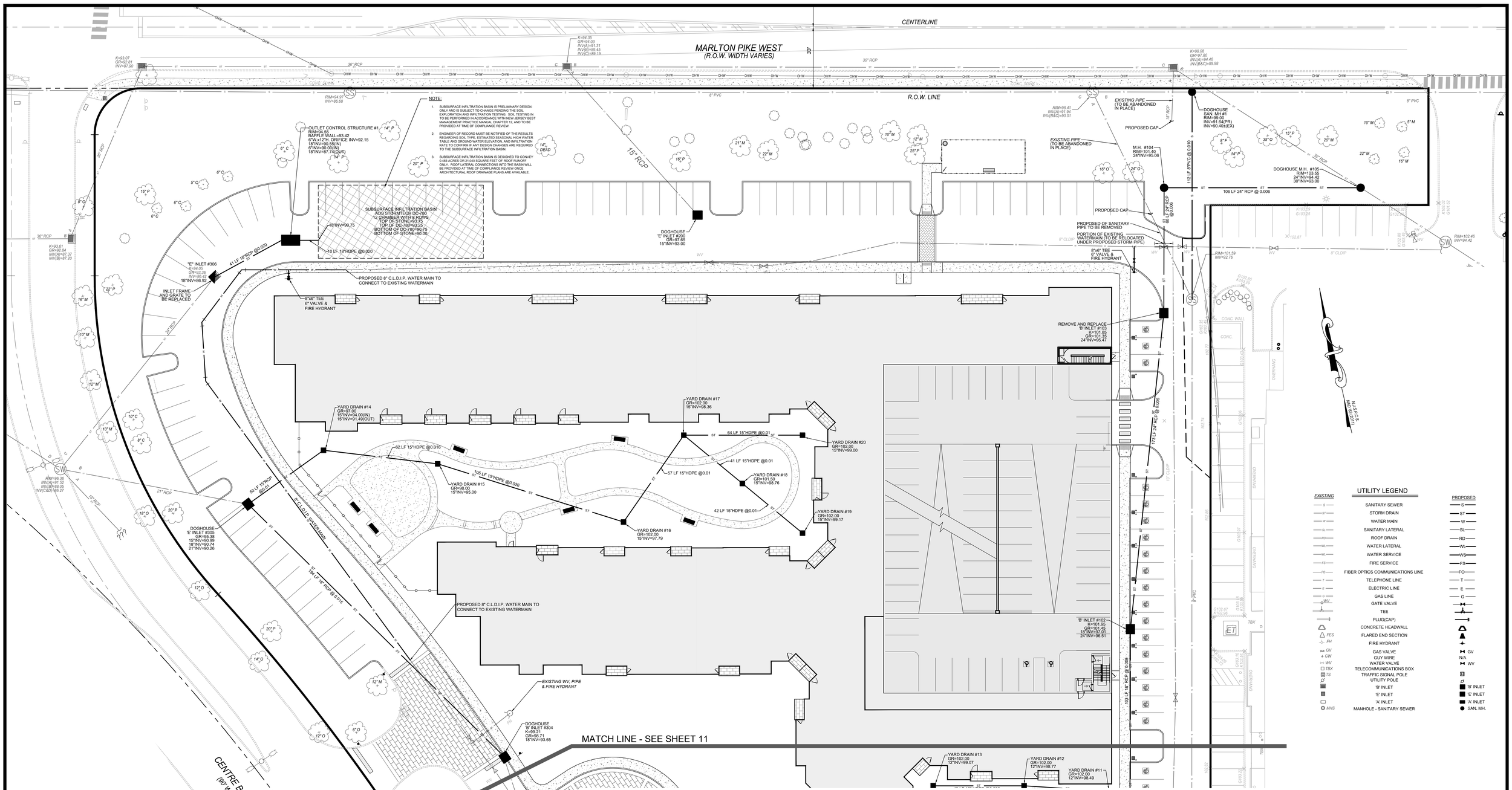
DESIGNED: VK/VS/RH	DRAWN: AMH
DATE SIGNED: 8/28/2025	CHECKED: VK
VLADISLAV KOLDOMASOV	REVISIONS: NO. 1, DATE: 8/28/25
N.J. PROFESSIONAL ENGINEER NO. 24GE05529600	SCALE: 1"=40'
	DATE: JUNE 26, 2025
	DRAWING NO.: 025-07380-SP
	SHEET: 9 OF 26

OVERALL UTILITY PLAN

MARLTON CROSSING
BLOCK 24.21, LOT 3, TAX MAP SHEET 4
100 CENTRE BOULEVARD
EVESHAM TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

Taylor Wiseman & Taylor
ENGINEERS / SURVEYORS / SCIENTISTS
SUBSURFACE UTILITY ENGINEERING
804 EAST GATE DRIVE, SUITE 100, MOUNT LAUREL, NJ 08054
TELEPHONE: (856) 235-7200 FAX: (856) 722-9250 www.tayloriwseman.com
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28032900

Date: Aug 28, 2025, 10:00am
User ID: Haug File: Q:\CAD\07380_100 Centre Blvd\Engineering\PLANS\009-OUT.dwg OVERALL UTILITY PLAN



UTILITY LEGEND

EXISTING		PROPOSED
S	SANITARY SEWER	S
ST	STORM DRAIN	ST
W	WATER MAIN	W
SL	SANITARY LATERAL	SL
RD	ROOF DRAIN	RD
WL	WATER LATERAL	WL
WS	WATER SERVICE	WS
FS	FIRE SERVICE	FS
FO	FIBER OPTICS COMMUNICATIONS LINE	FO
T	TELEPHONE LINE	T
E	ELECTRIC LINE	E
G	GAS LINE	G
WV	GATE VALVE	
	TEE	
	PLUG(CAP)	
	CONCRETE HEADWALL	
FES	FLARED END SECTION	
FH	FIRE HYDRANT	
GV	GAS VALVE	GV
GW	GUY WIRE	N/A
WV	WATER VALVE	WV
TBX	TELECOMMUNICATIONS BOX	
TS	TRAFFIC SIGNAL POLE	
	UTILITY POLE	
	'B' INLET	'B' INLET
	'E' INLET	'E' INLET
	'A' INLET	'A' INLET
MHS	MANHOLE - SANITARY SEWER	SAN. MH.

THE CONTRACTOR AND/OR OWNER SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING STRUCTURES AND UTILITIES, WHICH HE DEEMS NECESSARY, BOTH ABOVE AND BELOW THE GROUND SURFACE BEFORE HEAVY EQUIPMENT ENTERS THE CONSTRUCTION SITE.

FINAL INQUIRIES TO "UNDERGROUND UTILITIES" (PHONE #: 1-800-272-1000) SHALL BE MADE BY THE CONTRACTOR AND/OR OWNER WITHIN SEVEN (7) DAYS OF ENTERING THE SITE. THE CONTRACTOR AND/OR OWNER SHALL COORDINATE AND VERIFY THE METHOD OF UTILITY LOCATION WITH THE APPROPRIATE UTILITY COMPANIES.

IN GENERAL, THE VERTICAL DESIGN OF PROPOSED GRAVITY UTILITIES, AS SHOWN, ARE INFLUENCED BY THE EXISTING GRAVITY UTILITIES ONLY, WHICH MAY NECESSITATE THE RELOCATIONS OF OTHER UTILITIES.

UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE, AND BASED ON EXISTING INFORMATION RECEIVED FROM UTILITY COMPANIES.

20 10 0 20 40 60 80

GRAPHIC SCALE: 1"=20'

UTILITY NOTES

1. LOCATIONS OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE, AND THE CONTRACTOR MUST INDEPENDENTLY VERIFY AND CONFIRM THOSE LOCATIONS AND SERVICES WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCING ANY CONSTRUCTION OR EXCAVATION. THE CONTRACTOR MUST INDEPENDENTLY VERIFY AND CONFIRM ALL SANITARY CONNECTION POINTS AND ALL OTHER UTILITY SERVICE CONNECTION POINTS IN THE FIELD, PRIOR TO COMMENCING ANY CONSTRUCTION. THE CONTRACTOR MUST REPORT ALL DISCREPANCIES, ERRORS AND OMISSIONS IN WRITING, TO THE ENGINEER OF RECORD.
2. THE CONTRACTOR MUST VERTICALLY AND HORIZONTALLY LOCATE ALL UTILITIES AND SERVICES INCLUDING, BUT NOT LIMITED TO, GAS, WATER, ELECTRIC, SANITARY AND STORM, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE OR WORK SPACE, WHICHEVER IS GREATER. THE CONTRACTOR MUST USE, REFER TO, AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL OF THE UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO ANY EXISTING UTILITIES WHICH OCCUR DURING CONSTRUCTION, AT NO COST TO THE OWNER AND AT CONTRACTOR'S SOLE COST AND EXPENSE. THE CONTRACTOR MUST BEAR ALL COSTS ASSOCIATED WITH DAMAGE TO ANY EXISTING UTILITIES WHICH OCCURS DURING CONSTRUCTION.
3. THE CONTRACTOR MUST FIELD VERIFY THE PROPOSED INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES BY USING A TEST PIT TO CONFIRM EXACT DEPTH, PRIOR TO COMMENCEMENT OF CONSTRUCTION.
4. STORMWATER ROOF DRAIN LOCATIONS ARE BASED ON ARCHITECTURAL PLANS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATIONS OF SAME BASED UPON FINAL ARCHITECTURAL PLANS.
5. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING SITE PLAN DOCUMENTS AND ARCHITECTURAL PLANS FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS; GREASE TRAP REQUIREMENTS; AND DETAILS, DOOR ACCESS, AND EXTERIOR GRADING. THE ARCHITECT WILL DETERMINE THE UTILITY SERVICE SIZES. THE CONTRACTOR MUST COORDINATE INSTALLATION OF UTILITY SERVICES WITH THE INDIVIDUAL COMPANIES TO AVOID CONFLICTS AND TO ENSURE THAT PROPER DEPTHS ARE ACHIEVED. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT INSTALLATION OF ALL IMPROVEMENTS COMPLIES WITH ALL UTILITY REQUIREMENTS OF THE APPLICABLE JURISDICTION AND REGULATORY AGENCIES AND ALL OTHER APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES AND, FURTHER, IS RESPONSIBLE FOR COORDINATING THE UTILITY TIE-INS/CONNECTIONS PRIOR TO CONNECTING TO THE EXISTING UTILITY/SERVICE. WHERE A CONFLICT(S) EXISTS BETWEEN THESE DOCUMENTS AND THE ARCHITECTURAL PLANS, OR WHERE ARCHITECTURAL PLAN UTILITY CONNECTION POINTS DIFFER, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, IN WRITING, AND PRIOR TO CONSTRUCTION, MUST RESOLVE SAME.
6. DURING THE INSTALLATION OF SANITARY, STORM, AND ALL UTILITIES, THE CONTRACTOR MUST MAINTAIN A CONTEMPORANEOUS AND THOROUGH RECORD OF CONSTRUCTION TO IDENTIFY THE AS-INSTALLED LOCATIONS OF ALL UNDERGROUND INFRASTRUCTURE. THE CONTRACTOR MUST CAREFULLY NOTE ANY INSTALLATIONS THAT DEVIATE, IN ANY RESPECT, FROM THE INFORMATION CONTAINED IN THESE PLANS. THIS RECORD MUST BE KEPT ON A CLEAN COPY OF THE APPROPRIATE PLAN(S), WHICH THE CONTRACTOR MUST PROMPTLY PROVIDE TO THE OWNER IMMEDIATELY UPON THE COMPLETION OF WORK.
7. THE CONTRACTOR MUST ENSURE THAT ALL UTILITY TRENCHES LOCATED IN EXISTING PAVED ROADWAYS INCLUDING SANITARY, WATER AND STORM SYSTEMS, ARE REPAIRED IN ACCORDANCE WITH REFERENCED MUNICIPAL, COUNTY AND OR STATE DOT DETAILS AS APPLICABLE. THE CONTRACTOR MUST COORDINATE INSPECTION AND APPROVAL OF COMPLETED WORK WITH THE AGENCY WITH JURISDICTION OVER SAME.
8. FINAL LOCATIONS OF PROPOSED UTILITY POLES, AND/ OR POLES TO BE RELOCATED ARE AT THE SOLE DISCRETION OF THE RESPECTIVE UTILITY COMPANY, REGARDLESS OF WHAT THIS PLAN DEPICTS.
9. WATER SERVICE MATERIALS, BURIAL DEPTH, AND COVER REQUIREMENTS MUST BE SPECIFIED BY THE EVESHAM MUNICIPAL UTILITY AUTHORITY (EMUA). THE CONTRACTOR MUST CONTACT EMUA TO CONFIRM THE PROPER WATER METER, PRIOR TO COMMENCING CONSTRUCTION.
10. THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY/WATER CLEANOUT MUST BE ADJUSTED, AS NECESSARY, TO MATCH PROPOSED FINISHED GRADES WITH NO TRIPPING OR SAFETY HAZARD IN ACCORDANCE WITH ALL APPLICABLE STANDARDS, REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES.
11. SEWERS CONVEYING SANITARY FLOW, COMBINED SANITARY AND STORMWATER FLOW, OR INDUSTRIAL FLOW MUST BE SEPARATED FROM WATER MAINS BY A DISTANCE OF AT LEAST 10 FEET HORIZONTALLY. IF SUCH LATERAL SEPARATION IS NOT POSSIBLE, THE PIPES MUST BE IN SEPARATE TRENCHES WITH THE AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN, OR SUCH OTHER SEPARATION AS APPROVED BY THE GOVERNMENTAL AGENCY WITH JURISDICTION OVER SAME. WHERE APPROPRIATE SEPARATION FROM A WATER MAIN IS NOT POSSIBLE, THE SEWER MUST BE ENCASED IN CONCRETE, OR CONSTRUCTED OF DUCTILE IRON PIPE USING MECHANICAL OR SLIP-ON JOINTS FOR A DISTANCE OF AT LEAST 10 FEET ON EITHER SIDE OF THE CROSSING. IN ADDITION, ONE FULL LENGTH OF SEWER PIPE SHOULD BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE WATER LINE AS POSSIBLE. WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWER MUST BE PROVIDED.
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13. THE CONTRACTOR MUST NOTIFY, IN WRITING, THE MUNICIPAL ENGINEER AND/OR UTILITY AUTHORITY ENGINEER AT LEAST THREE (3) BUSINESS DAYS PRIOR TO INSTALLATION OF SANITARY COMPONENTS. FAILURE TO HAVE SANITARY INSTALLATION AND TESTING OBSERVED BY THE DESIGNATED ENGINEER MAY REQUIRE RE-EXCAVATION OF SANITARY LINE, AND RE-TESTING, WHICH WILL BE DONE AT THE CONTRACTOR'S SOLE COST AND EXPENSE.
14. SEWERS CROSSING STREAMS AND/OR LOCATION WITHIN 10 FEET OF THE STREAM EMBANKMENT, OR WHERE SITE CONDITIONS SO INDICATE, MUST BE CONSTRUCTED OF REINFORCED CONCRETE, DUCTILE IRON OR OTHER SUITABLE MATERIAL.
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NO.	DATE	REVISIONS
1	8/28/25	

DESIGNED: VKV/SRH | DRAWN: AMH | CHECKED: VK

DATE SIGNED: 8/28/2025

VLADISLAV KOLDOMASOV

N.J. PROFESSIONAL ENGINEER NO. 24GE05529600

UTILITY PLAN

MARLTON CROSSING
BLOCK 24.21, LOT 3, TAX MAP SHEET 4
100 CENTRE BOULEVARD
EVESHAM TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

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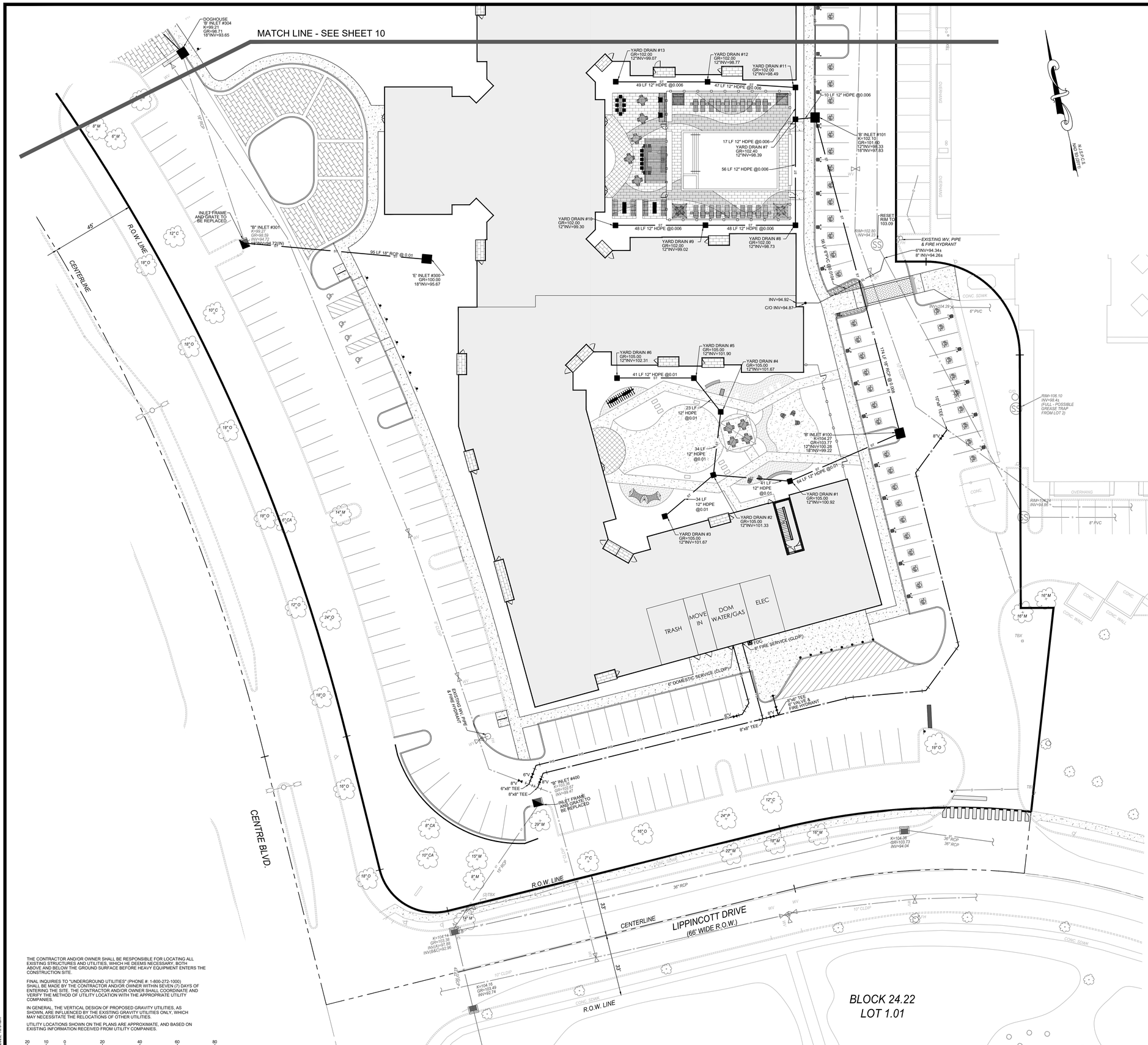
804 EAST GATE DRIVE, SUITE 100, MOUNT LAUREL, NJ 08054
TELEPHONE: (856) 235-7200 FAX: (856) 722-9250 www.taylorwiseman.com
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28032900

SCALE: 1"=20' | DATE: JUNE 26, 2025 | DRAWING NO.: 025-07380-SP | SHEET: 10 OF 26

Date: Aug 28, 2025, 10:01am

User ID: Haug File: Q:\CAD\07380_100 Centre Blvd\Engineering\PLANS\010-UT.dwg UTILITY PLAN



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1. THE RELOCATION OF THE WATERMAIN ONSITE SHALL BE DONE IN A WAY TO MINIMIZE THE DISTURBANCE OF THE EXISTING ADJACENT PROPERTIES SERVICE TO THE MAXIMUM EXTENT POSSIBLE.
2. ALL FIRE HYDRANTS MUST BE CAPABLE OF DELIVERING A MINIMUM OF 1,000 GALLONS PER MINUTE OF WATER.
3. FIRE ZONES SHALL BE INSTALLED WITH 4" SOLID YELLOW PAINTED LINES AND SIGNS THROUGHOUT THE PARKING LOT TO IDENTIFY "NO PARKING ZONES" IN ACCORDANCE WITH IFC SECTION 503.3. THESE AREAS ARE TO BE COORDINATED WITH THE EVESHAM TOWNSHIP FIRE OFFICIAL PRIOR TO INSTALLATION.
4. AS INDICATED IN IFC SECTION 503.2.3, A PAVED/SCRATCH COAT OF ASPHALT SHALL BE PROVIDED CAPABLE OF HANDLING A WEIGHT OF 75,500 POUNDS PRIOR TO VERTICAL BUILDING CONSTRUCTION. ALL FIRE HYDRANTS MUST BE INSTALLED, TESTED AND CERTIFIED BEFORE CONSTRUCTION OF THE BUILDING IS TO BEGIN.

UTILITY LEGEND

EXISTING		PROPOSED
S	SANITARY SEWER	S
ST	STORM DRAIN	ST
W	WATER MAIN	W
SL	SANITARY LATERAL	SL
RD	ROOF DRAIN	RD
WL	WATER LATERAL	WL
WS	WATER SERVICE	WS
FS	FIRE SERVICE	FS
FO	FIBER OPTICS COMMUNICATIONS LINE	FO
T	TELEPHONE LINE	T
E	ELECTRIC LINE	E
G	GAS LINE	G
GV	GATE VALVE	
	TEE	
	PLUG(CAP)	
	CONCRETE HEADWALL	
FES	FLARED END SECTION	
FH	FIRE HYDRANT	
GV	GAS VALVE	GV
GW	GUY WIRE	N/A
WV	WATER VALVE	WV
TBX	TELECOMMUNICATIONS BOX	
TS	TRAFFIC SIGNAL POLE	
	UTILITY POLE	
	'B' INLET	'B' INLET
	'E' INLET	'E' INLET
	'A' INLET	'A' INLET
MHS	MANHOLE - SANITARY SEWER	SAN. MH.

THE CONTRACTOR AND/OR OWNER SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING STRUCTURES AND UTILITIES, WHICH HE DEEMS NECESSARY, BOTH ABOVE AND BELOW THE GROUND SURFACE BEFORE HEAVY EQUIPMENT ENTERS THE CONSTRUCTION SITE.

FINAL INQUIRIES TO "UNDERGROUND UTILITIES" (PHONE # 1-800-272-1000) SHALL BE MADE BY THE CONTRACTOR AND/OR OWNER WITHIN SEVEN (7) DAYS OF ENTERING THE SITE. THE CONTRACTOR AND/OR OWNER SHALL COORDINATE AND VERIFY THE METHOD OF UTILITY LOCATION WITH THE APPROPRIATE UTILITY COMPANIES.

IN GENERAL, THE VERTICAL DESIGN OF PROPOSED GRAVITY UTILITIES, AS SHOWN, ARE INFLUENCED BY THE EXISTING GRAVITY UTILITIES ONLY, WHICH MAY NECESSITATE THE RELOCATIONS OF OTHER UTILITIES.

UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE, AND BASED ON EXISTING INFORMATION RECEIVED FROM UTILITY COMPANIES.

20 10 0 20 40 60 80

GRAPHIC SCALE: 1"=20'

Date: Aug 28, 2025, 10:01am

User ID: Haug File: Q:\CAD\07380_100 Centre Blvd\Engineering\PLANS\011-UT.dwg UTILITY PLAN

REVISION NO. 1: REVISED PLAN SET TO ADDRESS COMPLETENESS PER ERI REVIEW LETTER DATED 8/1/2025.

DESIGNED: VK/VS/RH	DRAWN: AMH	CHECKED: VK
DATE SIGNED: 8/28/2025		REVISIONS

NO.	DATE
1	8/28/25

VLADISLAV KOLDOMASOV

N.J. PROFESSIONAL ENGINEER NO. 24GE05529600

UTILITY PLAN

MARLTON CROSSING
BLOCK 24.21, LOT 3, TAX MAP SHEET 4
100 CENTRE BOULEVARD
EVESHAM TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

Taylor Wiseman & Taylor
ENGINEERS / SURVEYORS / SCIENTISTS
SUBSURFACE UTILITY ENGINEERING
804 EAST GATE DRIVE, SUITE 100, MOUNT LAUREL, NJ 08054
TELEPHONE: (856) 235-7200 FAX: (856) 722-9250 www.taylorwiseman.com
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28032900

SCALE:	DATE:	DRAWING NO.	SHEET:
1"=20'	JUNE 26, 2025	025-07380-SP	11 OF 26

SOIL EROSION & SEDIMENT CONTROL PLAN

1. SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THE PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.
2. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
3. ALL SOIL EROSION AND SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS AND AFTER EVERY STORM EVENT.
4. SOIL STOCKPILES ARE NOT TO BE LOCATED WITHIN FIFTY (50) FEET OF A FLOODPLAIN, SLOPE, ROADWAY OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES SHOULD BE PROTECTED BY A HAY BALE BARRIER OR SEDIMENT FENCE. PROPOSED LOCATIONS MUST BE DELINEATED ON THE PLANS.
5. ALL CATCH BASIN INLETS WILL BE PROTECTED DURING CONSTRUCTION (FILTER DETAILS APPEAR ON PLAN).
6. ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
7. ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTRATION DEVICE. THE SEDIMENT FILTER MUST BE PLACED SO AS NOT TO CAUSE EROSION OF THE DOWNSTREAM AREA. FIELD PLACEMENT AND USE OF THE STRUCTURE MUST BE APPROVED BY THE DISTRICT EROSION CONTROL INSPECTOR PRIOR TO COMMENCEMENT OF DEWATERING ACTIVITIES.
8. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO PROVIDE CONFIRMATION OF LIME, FERTILIZER AND SEED APPLICATION RATES AT THE REQUEST OF THE BURLINGTON COUNTY SOIL CONSERVATION DISTRICT.
9. NJSA 4:24-39, et seq. REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE ALL THE PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES. ALL SITE WORK FOR THE PROJECT MUST BE COMPLETED PRIOR TO THE DISTRICT ISSUING A REPORT OF COMPLIANCE AS A PREREQUISITE TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE MUNICIPALITY.
10. NJSA 4:24-39, et seq. REQUIRES THAT UPON PERMANENT SITE STABILIZATION AND COMPLETION OF CONSTRUCTION THE CONTRACTOR SHALL APPLY TO THE SOIL CONSERVATION DISTRICT FOR A FINAL COMPLIANCE INSPECTION TO CHECK THAT ALL THE PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES.
11. OFF SITE SEDIMENT DISTURBANCE MAY REQUIRE ADDITIONAL CONTROL MEASURES TO BE DETERMINED BY THE DISTRICT EROSION CONTROL INSPECTOR.
12. A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE MAINTAINED ON THE PROJECT SITE DURING CONSTRUCTION.
13. ANY CONVEYANCE OF THIS PROJECT PRIOR TO ITS COMPLETION WILL TRANSFER FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CERTIFIED PLAN TO ALL SUBSEQUENT OWNERS.
14. IMMEDIATELY AFTER THE COMPLETION OF STRIPPING AND STOCKPILING TOPSOIL, THE STOCKPILE SHALL BE SEEDED WITH TEMPORARY VEGETATION. STABILIZE TOPSOIL STOCKPILES WITH STRAW MULCH FOR PROTECTION IF THE SEASON DOES NOT PERMIT THE ESTABLISHMENT OF TEMPORARY SEED.
15. ANY CHANGES TO THE SITE PLAN WILL REQUIRE THE SUBMISSION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN TO THE BURLINGTON COUNTY SOIL CONSERVATION DISTRICT. THE REVISED PLAN MUST BE IN ACCORDANCE WITH THE CURRENT STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.
16. MAXIMUM SIDE SLOPES OF ALL EXPOSED SURFACES SHALL NOT BE CONSTRUCTED STEEPER THAN 3:1.
17. THE DISTRICT EROSION CONTROL INSPECTOR MAY REQUIRE ADDITIONAL MEASURES TO BE INSTALLED.
18. IMMEDIATELY PRIOR TO TOPSOIL APPLICATION, THE SUBSOIL SHALL BE EVALUATED FOR COMPACTION IN ACCORDANCE WITH THE STANDARD FOR LAND GRADING. SEE DETAILS.
19. NJSA 4:24-39 et seq. REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE THE COMPLETION OF A SOIL COMPACTION MITIGATION VERIFICATION FORM AND CONFIRMATION BY THE DISTRICT INSPECTOR THAT THE COMPACTION MITIGATION REQUIREMENTS IN THE STANDARD FOR LAND GRADING HAVE BEEN SUFFICIENTLY ADDRESSED.
20. THE PROJECT WILL HAVE A TOTAL LAND DISTURBANCE OF 331,051 S.F. OR 7.60 ACRES.

CONSTRUCTION ENTRANCE NOTES:

1. STONE SIZE SHALL BE ASTM C-33 SIZE NO. 2(2.5" TO 1.5") OR NO. 3(2" TO 1").
2. THICKNESS SHALL BE 12" THICK WITH FILTER FABRIC.
3. BOTTOM OF STONE BED TO BE WRAPPED IN HIGH PERMITIVITY NON-WOVEN GEOTEXTILE FILTER FABRIC AND SHOULD BE MACCAFERERRI MACTEX MX275 OR APPROVED EQUAL.

SOIL EROSION LEGEND

- CF — CONSTRUCTION FENCE (MIN. 6" FROM LIMIT OF DISTURBANCE)
- SF — SILT FENCE (MIN. 6" FROM LIMIT OF DISTURBANCE)
- RSF — REINFORCED SILT FENCE (MIN. 6" FROM LIMIT OF DISTURBANCE)
- TPF — TREE PROTECTION FENCE (MIN. 6" FROM LIMIT OF DISTURBANCE)
- DRAINAGE AREA LINE
- SOIL TYPE LIMIT
- LOD — LIMIT OF DISTURBANCE TOTAL AREA = 7.60 ACRES
- STABILIZED CONSTRUCTION ENTRANCE
- TEMPORARY RISER
- VEGETATIVE FILTER STRIP
- TYPE III BREAKAWAY BARRICADE
- SILT SACK INLET PROTECTION
- SILT SOXX

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40 20 0 40 80 120 160

GRAPHIC SCALE: 1"=40'

REVISION NO. 1; REVISED PLAN SET TO ADDRESS COMPLETENESS PER ERI REVIEW LETTER DATED 8/1/2025.

DESIGNED: VK/VS/BH	DRAWN: AMH	CHECKED: VK	SOIL EROSION & SEDIMENT CONTROL PLAN
DATE SIGNED: 8/28/2025		REVISIONS NO. 1	DATE 8/28/25
VLADISLAV KOLDOMASOV			MARLTON CROSSING BLOCK 24.21, LOT 3, TAX MAP SHEET 4 100 CENTRE BOULEVARD EVESHAM TOWNSHIP BURLINGTON COUNTY, NEW JERSEY

Taylor Wiseman & Taylor
ENGINEERS / SURVEYORS / SCIENTISTS
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804 EAST GATE DRIVE, SUITE 100, MOUNT LAUREL, NJ 08054
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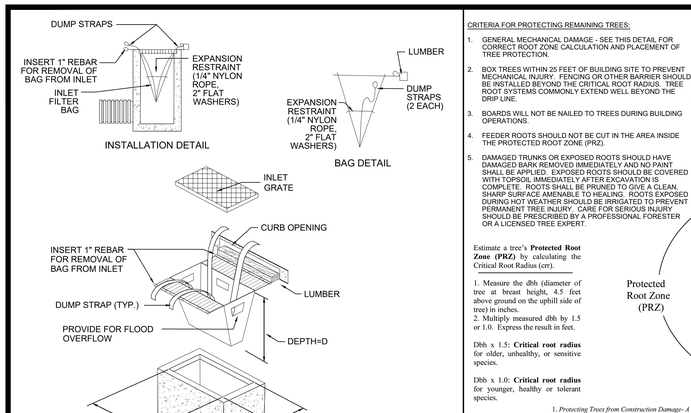
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28032900

N.J. PROFESSIONAL ENGINEER NO. 24GE05529600

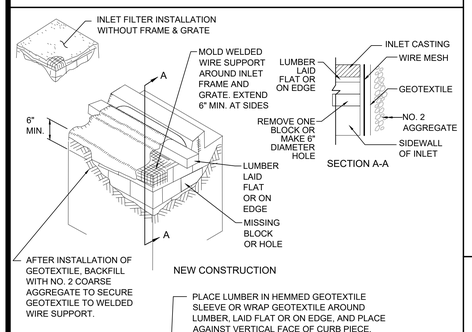
SCALE:	DATE:	DRAWING NO	SHEET
1"=40'	JUNE 26, 2025	025-07380-SP	12 OF 26

Date: Aug 28, 2025, 10:01am

User ID: Haug File: Q:\CAD\07380_100 Centre Blvd\Engineering\PLANS\012-SCS.dwg SOIL EROSION & SEDIMENT CONTROL PLAN



INLET FILTERS, TYPE 2



INLET FILTERS, TYPE 1

CRITERIA FOR PROTECTING REMAINING TREES:

1. GENERAL MECHANICAL DAMAGE - SEE THIS DETAIL FOR CORRECT ROOT ZONE CALCULATION AND PLACEMENT OF TREE PROTECTION.
2. BOX TREES WITHIN 25 FEET OF BUILDING SITE TO PREVENT MECHANICAL INJURY. FENCING OR OTHER BARRIER SHOULD BE INSTALLED BEYOND THE CRITICAL ROOT RADIUS. TREE ROOT SYSTEMS COMMONLY EXTEND WELL BEYOND THE DRIP LINE.
3. BOARDS WILL NOT BE NAILED TO TREES DURING BUILDING OPERATIONS.
4. FEEDER ROOTS SHOULD NOT BE CUT IN THE AREA INSIDE THE PROTECTED ROOT ZONE (PRZ).
5. DAMAGED TRUNKS OR EXPOSED ROOTS SHOULD HAVE DAMAGED BARK REMOVED IMMEDIATELY AND NO PAINT SHALL BE APPLIED. EXPOSED ROOTS SHOULD BE COVERED WITH TOPSOIL IMMEDIATELY AFTER EXCAVATION IS COMPLETE. ROOTS SHALL BE PRUNED TO GIVE A CLEAN, SHARP SURFACE AMENABLE TO HEALING. ROOTS EXPOSED DURING HOT WEATHER SHOULD BE IRRIGATED TO PREVENT PERMANENT TREE INJURY. CARE FOR SERIOUS INJURY SHOULD BE PRESCRIBED BY A PROFESSIONAL FORESTER OR A LICENSED TREE EXPERT.

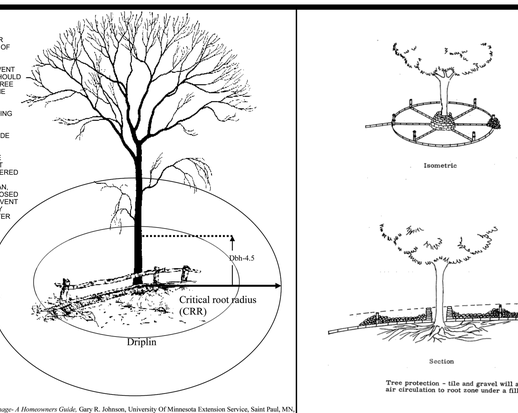
Estimate a tree's **Protected Root Zone (PRZ)** by calculating the Critical Root Radius (crr).

1. Measure the dbh (diameter of tree at breast height, 4.5 feet above ground on the uphill side of tree).
2. Multiply measured dbh by 1.5 or 1.0. Express the result in feet.

Dbh x 1.5: **Critical root radius** for older, unhealthy, or sensitive species.

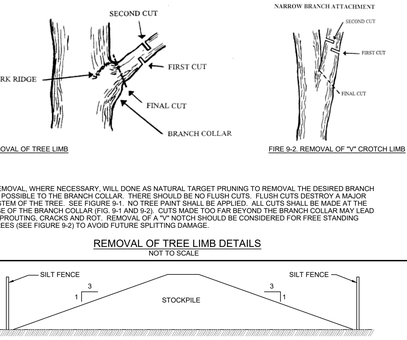
Dbh x 1.0: **Critical root radius** for younger, healthy or tolerant species.

1. *Protecting Trees from Construction Damage- A Homeowners Guide*, Gary R. Johnson, University Of Minnesota Extension Service, Saint Paul, MN, 1999.



TREE PROTECTION DURING CONSTRUCTION DETAIL

NOT TO SCALE



FIRE 9-1. REMOVAL OF TREE LIMB

FIRE 9-2. REMOVAL OF "V" CROTCH LIMB

NOTE:

TREE LIMB REMOVAL, WHERE NECESSARY, WILL DONE AS NATURAL TARGET PRUNING TO REMOVAL THE DESIRED BRANCH AS CLOSE AS POSSIBLE TO THE BRANCH COLLAR. THERE SHOULD BE NO FLUSH CUTS. FLUSH CUTS DESTROY A MAJOR DEFENSE SYSTEM OF THE TREE (FIGURE 9-1. NO TREE PAINT SHALL BE APPLIED. ALL CUTS SHALL BE MADE AT THE OUTSIDE EDGE OF THE BRANCH COLLAR (FIG. 9-1 AND 9-2). CUTS MADE TOO FAR BEYOND THE BRANCH COLLAR MAY LEAD TO EXCESSIVE SPROUTING, CRACKS AND ROT. REMOVAL OF A "V" NOTCH SHOULD BE CONSIDERED FOR FREE STANDING SPECIMEN TREES (SEE FIGURE 9-2) TO AVOID FUTURE SPLITTING DAMAGE.

REMOVAL OF TREE LIMB DETAILS

NOT TO SCALE

TOPSOIL STOCKPILE DETAIL

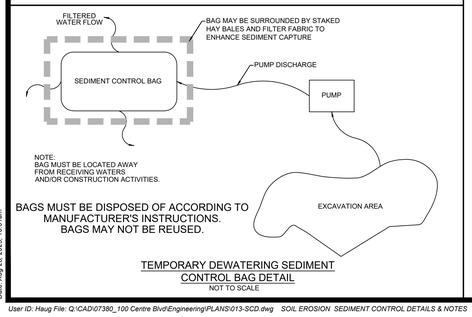
NOT TO SCALE

CROSS SECTION

CONSTRUCTION SPECIFICATIONS

1. PIT DIMENSIONS ARE VARIABLE WITH THE MINIMUM DIAMETER BEING 2 TIMES THE STANDPIPE DIAMETER.
2. THE STANDPIPE SHOULD BE CONSTRUCTED BY PERFORATING A 12" TO 24" DIAMETER CORRUGATED OR PVC PIPE, THEN WRAPPING WITH 1/2" HARDWARE CLOTH AND GEOTEXTILE FABRIC. THE PERFORATIONS SHALL BE 1/2" x 6" SLITS OR 1" DIAMETER HOLES.
3. A BASE OF FILTER MATERIAL CONSISTING OF CLEAN GRAVEL OR ASTM C 33 STONE SHOULD BE PLACED IN THE PIT A DEPTH OF 2". AFTER INSTALLING THE STANDPIPE, THE PIT SURROUNDING THE STANDPIPE SHOULD THEN BE BACKFILLED WITH THE SAME FILTER MATERIAL.
4. THE STANDPIPE SHOULD EXTEND 12" TO 18" ABOVE THE LIP OF THE PIPE OR THE RISER CREST ELEVATION (BASIN DEWATERING ONLY) AND THE FILTER MATERIAL SHOULD EXTEND 3" MINIMUM ABOVE THE ANTICIPATED STANDING WATER ELEVATION.

TEMPORARY DEWATERING SUMP PIT DETAIL



TEMPORARY DEWATERING SEDIMENT CONTROL BAG DETAIL

NOT TO SCALE

BELOW GRADE WASHOUT STRUCTURE

NOT TO SCALE

ABOVE GRADE WASHOUT STRUCTURE

NOT TO SCALE

TYPE III BREAKAWAY BARRICADE

NOT TO SCALE

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

TREE PROTECTION IN FILL AREAS DETAIL

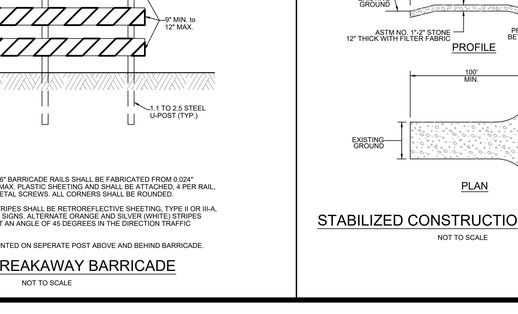
NOT TO SCALE

TREE PROTECTION - UNDERGROUND UTILITY INSTALLATION DETAIL

NOT TO SCALE

TEMPORARY ORANGE CONSTRUCTION FENCE DETAIL

NOT TO SCALE



NOTES:

1. THE 9" MIN. x 96", OR 12" MAX. x 96" BARRICADE RAILS SHALL BE FABRICATED FROM 0.024" ANODIZED ALUMINUM OR 0.125" MAX. PLASTIC SHEETING AND SHALL BE ATTACHED, 4 PER RAIL, WITH 1 INCH NO. 14 PAN HEAD METAL SCREWS. ALL CORNERS SHALL BE ROUNDED.
2. ORANGE AND SILVER (WHITE) STRIPES SHALL BE RETROREFLECTIVE SHEETING, TYPE I OR III-A, AS SHOWN FOR CONSTRUCTION SIGNS. ALTERNATE ORANGE AND SILVER (WHITE) STRIPES 6" WIDE SLOPING DOWNWARD AT AN ANGLE OF 45 DEGREES IN THE DIRECTION TRAFFIC IS TO PASS.
3. ROAD CLOSED (R11-2) SIGN MOUNTED ON SEPERATE POST ABOVE AND BEHIND BARRICADE.

TYPE III BREAKAWAY BARRICADE

NOT TO SCALE

SiltSoxxTM for Sediment Control on Pavement

NTS

NOTE: USE 8" DIA. SOCK ON PAVEMENT APPLICATIONS

ACID SOIL CONDITIONS AND MITIGATION PROCEDURES:

GENERAL MITIGATION STANDARDS

1. IN VEGETATED AREAS, THE TOPSOIL SHALL BE STRIPPED AND STOCKPILED SEPARATELY FROM THE MATERIAL TO BE EXCAVATED. IF THE EXPOSED SUBSOIL IS CHARACTERISTIC OF ACID PRODUCING SOIL, THEN SAMPLES SHALL BE OBTAINED AND TESTED AT A SOIL TESTING LABORATORY TO DETERMINE IF ACID PRODUCING SOILS ARE PRESENT. IF THE PRESENCE OF ACID SOILS ARE IDENTIFIED, THIS MATERIAL AND ANY CONTAMINATED SOIL SHALL NOT BE EXPOSED FOR MORE THAN ONE (1) DAY EXCEPT WHERE NECESSARY FOR THE CONDUCT OF THE PROJECT.
2. THE AREA OF ACID-PRODUCING DEPOSITS EXPOSED SHALL BE NO LARGER THAN THAT WHICH IS ABSOLUTELY NECESSARY FOR THE CONDUCT OF THE PROJECT.
3. CONSTRUCTION SCHEDULES SHALL BE FORMULATED TO PROVIDE MINIMUM PRACTICABLE EXPOSURE OF ACID-PRODUCING DEPOSITS.

EXCAVATION

1. WHERE THE TOP LAYER OF SOIL (REMAINING AFTER CLEARANCE OF VEGETATION) IS FREE FROM ACID-PRODUCING DEPOSITS, SUCH SOIL SHALL BE STRIPPED AND STOCKPILED SEPARATELY FROM THE DEEPER, ACID-PRODUCING DEPOSITS TO BE EXPOSED. NO ACID-PRODUCING DEPOSITS SHALL BE INCLUDED IN THE STOCKPILE.
2. ACID-PRODUCING DEPOSITS (INCLUDING SOIL CONTAMINATED WITH SUCH DEPOSITS AND CONTAMINATED SOIL WASHED FROM CONSTRUCTION EQUIPMENT) SHALL NOT BE EXPOSED FOR MORE THAN ONE (1) DAY EXCEPT WHERE ABSOLUTELY NECESSARY FOR THE CONDUCT OF THE PROJECT. IF SUCH DEPOSITS MUST BE EXPOSED FOR MORE THAN ONE (1) DAY, THEY SHALL BE COVERED WITH PULVERIZED LIMESTONE AT THE RATE OF 100 POUNDS PER ACRE, OR 2.3 POUNDS PER 1,000 SQUARE FEET, AND WITH A MINIMUM OF ONE FOOT OF COMPACTED TOPSOIL (FREE OF ACID-PRODUCING DEPOSITS) WITHIN ONE (1) WEEK AFTER EXPOSURE, OR BEFORE THE PH OF A WELL-MIXED SAMPLE FROM THE DEPOSIT THO (2) INCHES OF THE EXPOSED DEPOSIT DROPS TO 4.0, WHICHEVER OCCURS FIRST.
3. EXCAVATED MATERIAL SHALL BE RETURNED TO TRENCHES OR PITS IN THE ORDER OF ITS REMOVAL, I.E., LOWER MATERIAL FIRST, FOLLOWED BY UPPER MATERIAL. HOWEVER, IF ACID-PRODUCING DEPOSITS ARE ENCOUNTERED, SUCH MATERIAL SHALL NOT BE USED AS BACKFILL MATERIAL SHALL BE RETURNED FIRST. THIS EXCEPTION ALSO APPLIES TO THE FOLLOWING SITUATION: WHERE ACID-PRODUCING DEPOSITS ARE STOCKPILED ON SOIL UNCONTAMINATED WITH SUCH DEPOSITS, THE TOP TWO (2) INCHES OF SUCH SOIL SHALL BE SCRAPED OFF AND BURIED ALONG WITH THE LOWER MATERIAL. THE SURPLUS MATERIAL RESULTING DUE TO THE EXCLUSION OF THE TOP TWO (2) INCHES OF SOIL FROM THE BACKFILL SHALL BE SCRAPED FROM AREAS UNDER TEMPORARY STOCKPILES OF ACID-PRODUCING DEPOSITS SHALL BE SUBSTITUTED FOR AN EQUAL QUANTITY OF DEEPER MATERIAL WHICH IN TURN WILL BE REMOVED TO A SUITABLE DISPOSAL SITE. AFTER BACKFILLING THE DEEPER MATERIAL, PULVERIZED LIMESTONE SHOULD BE SPREAD OVER THE TOP OF THE MATERIAL, AT THE RATE OF 100 POUNDS PER ACRE, OR 2.3 POUNDS PER 1,000 SQUARE FEET. AFTER APPLICATION OF THE SURFACE LAYER OF SOIL, THE LIMESTONE IS APPLICABLE ONLY IN WELL-DRAINED AREAS. THE TOP LAYER OF SOIL FREE OF ACID-PRODUCING DEPOSITS, STRIPPED AND STOCKPILED PER ITEM #1 ABOVE, SHALL THEN BE REPLACED. IF NECESSARY, ADDITIONAL QUANTITIES OF TOPSOIL SHALL BE IMPORTED SO AS TO PROVIDE AT LEAST ONE (1) FOOT DEEP COVER OF SOIL FREE OF ACID-PRODUCING DEPOSITS.
4. EQUIPMENT USED FOR EXCAVATING OR BACKFILLING ACID-PRODUCING DEPOSITS SHALL BE CLEANED AT THE END OF EACH DAY'S OPERATION, TO THE EXTENT PRACTICABLE, IN SUCH A WAY THAT WILL NOT CAUSE THE SPREADING OF ACID-PRODUCING DEPOSITS ONTO UNCONTAMINATED SOIL. THE SOIL REMOVED MUST BE PLACED IN THE TRENCH BELOW A DEPTH OF TWO (2) FEET.
5. EVERY EFFORT SHALL BE MADE TO MINIMIZE THE SPREADING OR MIXING OF ACID-PRODUCING DEPOSITS (INCLUDING SOIL CONTAMINATED WITH SUCH DEPOSITS) ONTO OR INTO SOIL FREE OF SUCH DEPOSITS (ON OR OFF THE CONSTRUCTION SITE). NO CONSTRUCTION SHALL TAKE PLACE DURING SIGNIFICANT RAINSTORMS OR WHILE THE GROUND IS SATURATED. IF SUCH MIXING OCCURS, THE AREA OF THE MIXED ACID-PRODUCING DEPOSITS MUST BE INCREASED IN SIZE TO INCLUDE THE MATERIALS. IF ACID-PRODUCING DEPOSITS MUST BE STOCKPILED ON TOP OF SOIL FREE OF SUCH DEPOSITS, THE SOIL UNDER THE STOCKPILE WILL BE TREATED AS ACID-PRODUCING MATERIAL. IF ACID-PRODUCING DEPOSITS ARE SPREAD OVER AREAS WHERE SUCH DEPOSITS ARE EXPOSED OR STOCKPILED, TO PREVENT OR REDUCE THE MOVEMENT OF ACID-PRODUCING MATERIAL INTO SOIL AND ONTO UNCONTAMINATED SOIL.
6. TEMPORARY VEGETATIVE COVER SHALL NOT BE USED FOR STABILIZATION OF ACID-PRODUCING DEPOSITS UNLESS THE LIMING AND FERTILIZING REQUIREMENTS OF ITEM #3, AND THE SURFACE SOIL PH REQUIREMENTS OF ITEM #9 ARE FIRST MET. OTHERWISE, TEMPORARY STABILIZATION OF ACID-PRODUCING DEPOSITS SHALL CONSIST OF MULCHING AND SHALL BE IMPLEMENTED BY THE END OF THE CONSTRUCTION DAY.
7. MULCHING FOR TEMPORARY STABILIZATION IS NOT A SUBSTITUTE FOR THE LIMESTONE AND TOPSOIL APPLICATION REQUIREMENTS OF ITEMS #2 AND #3. MULCH SHALL NOT BE DIRECTLY APPLIED TO THE EXPOSED SURFACE OF ACID-PRODUCING DEPOSITS, BUT RATHER TO THE TOPSOIL APPLIED TO COVER SUCH DEPOSITS.
8. PERMANENT VEGETATION SHALL BEGIN AS SOON AS CONSTRUCTION IS COMPLETE AND AFTER THE RESULTS OF THE INCUBATION TESTS, WHERE NECESSARY, ARE AVAILABLE.
9. PRIOR TO SEEDTBING VEGETATED AREA, THE SOIL SPECIALIST SHALL PERFORM PH TESTS ON THE SOIL. IF THE PH IS BELOW 4.0, THIS IS AN INDICATION THAT ACID SOILS HAVE BEEN MIXED INTO THE SOIL, NECESSITATING AN INTENSIVE LIMING EFFORT IN ORDER TO MAKE THE SOIL SUITABLE FOR PLANT SURVIVAL. THE PH OF THE SURFACE LAYER OF SOIL SHALL BE RAISED TO THE MINIMUM REQUIRED BY THE SEED MIXTURE TO BE USED.
10. THE INCUBATION TEST REQUIRES THAT A SOIL SAMPLE BE OXIDIZED FOR SIX (6) WEEKS. IF THE PH IS BELOW 4.0, LIME REQUIREMENT TESTS SHALL BE PERFORMED BY THE SOILS SPECIALIST TO DETERMINE THE LIME APPLICATION RATES.

MITIGATION

1. MITIGATION PROCEDURES MUST BE FOLLOWED IF CONSTRUCTION WILL EXPOSE ACID-PRODUCING DEPOSITS DURING CONSTRUCTION. THE PERIOD OF EXPOSURE SHOULD BE HELD TO A MINIMUM AND MEASURES TAKEN TO COVER SUCH DEPOSITS TO PREVENT ACCELERATION OF THE OXIDATION PROCESS.
2. ONE (1) FOOT OF SOIL FREE OF ACID-PRODUCING DEPOSITS SHALL BE SPREAD OVER THE EXPOSED DEPOSIT SURFACE. THE PH OF SUCH SOIL SHALL BE 5.5 OR GREATER. THE TEXTURE OF THE SOIL SHALL FALL WITHIN THE FOLLOWING TEXTURAL CLASSES (U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE CLASSIFICATION):

CLAY, SILTY CLAY, SANDY CLAY CLAY LOAM
SILTY CLAY LOAM, SANDY CLAY LOAM
LOAM, SILT LOAM, SILT

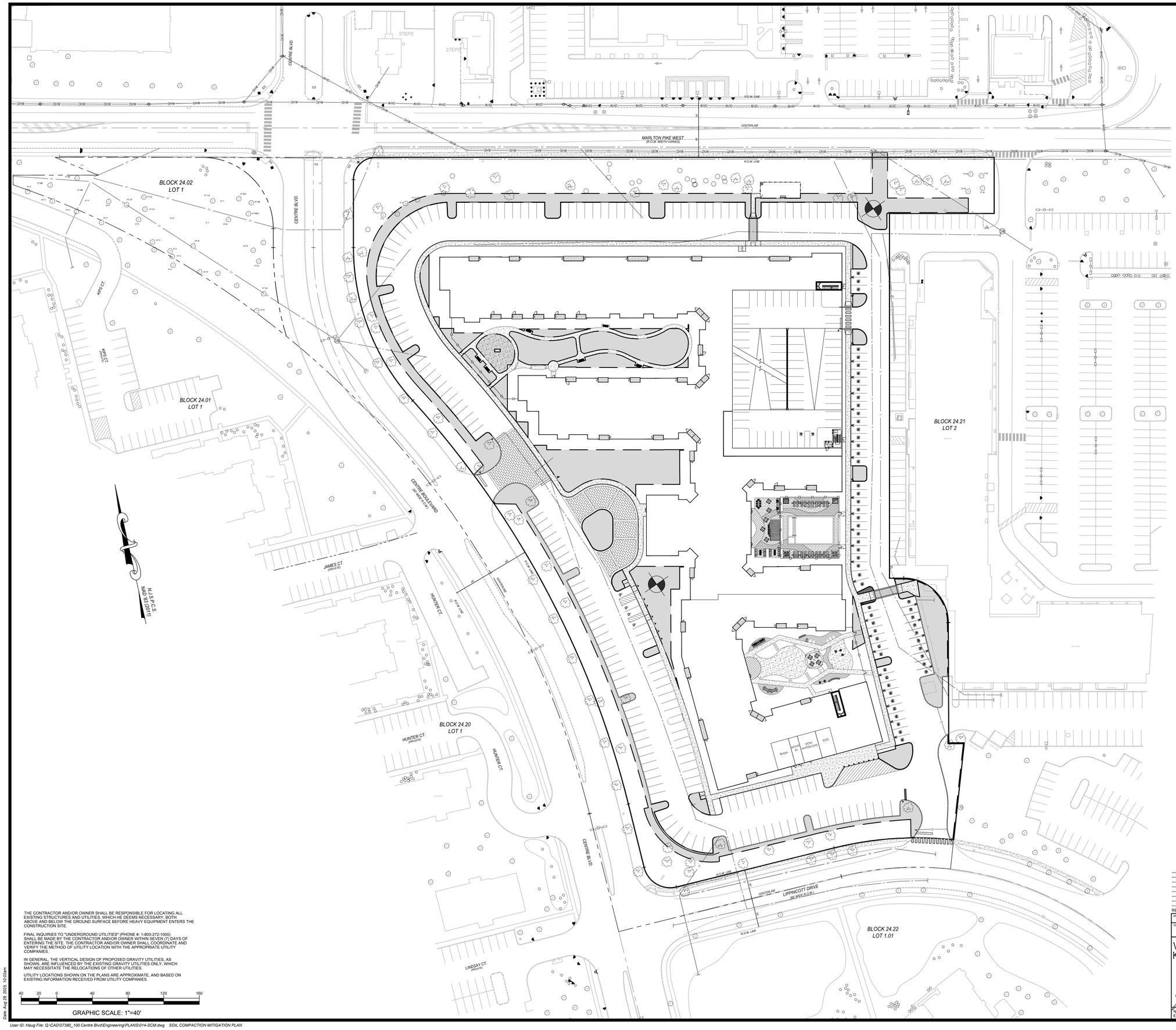
NO MORE THAN 5 (10) PERCENT OF THE SOIL (BY MASS) MAY CONSIST OF COURSE FRAGMENTS (PARTICLES ABOVE 2MM DIAMETER OR LONG-AXIS LENGTH) AND NO FRAGMENTS SHALL EXCEED THREE (3) INCHES IN DIAMETER OR LONG-AXIS LENGTH.

3. THE SOIL THAT IS TO BE SPREAD PURSUANT TO ITEM #2 SHALL BE COMPACTED. THE SOIL SHALL NOT BE COMPACTED TO A BULK DENSITY EXCEEDING 1.7 GRAMS PER CUBIC CENTIMETER, AND THE LIMING AND PH REQUIREMENTS OUTLINED ABOVE.
4. SINCE THE OXIDATION OF SULFIDES IS ACCELERATED BY WETTING AND GENERATION OF ACID COMMENCES AS THE ACID-PRODUCING DEPOSITS ARE EXPOSED, THE SOIL LAYER SHALL BE APPLIED PROMPTLY TO THE NEWLY EXPOSED DEPOSITS WITHIN OR ALONG THE BASIN OR CHANNEL. TO ACCOMPLISH THIS, BASIN OR CHANNEL EXCAVATION SHALL PROCEED IN STAGES SO THAT THE SOIL LAYER CAN BE APPLIED TO THE AREAS OF NEWLY EXPOSED ACID-PRODUCING DEPOSITS REMAINING EXPOSED FOR LONGER THAN ONE (1) WEEK, OR THE TIME REQUIRED FOR THE PH OF A WELL-MIXED SAMPLE FROM THE UPPERMOST TWO (2) INCHES OF THE DEPOSIT TO DROP TO 4.0, WHICHEVER IS LESS.
5. IN SOME PLACES IT MAY NOT BE PRACTICAL TO COVER THE ACID-PRODUCING DEPOSITS WITH A SOIL-LIMESTONE MIXTURE IN THE MANNER DESCRIBED ABOVE BECAUSE OF STEEP SLOPES OR BECAUSE OF RUNNING WATER THAT CANNOT BE DIVERTED DURING CONSTRUCTION. IN SUCH PLACES, PLASTIC LINERS SHALL BE UTILIZED, PLACING THEM OVER THE NEWLY EXPOSED ACID-PRODUCING DEPOSIT WITH SUITABLE PROTECTION. ANY FILL MATERIAL PLACED OVER THE PLASTIC LINER SHALL BE FREE OF ACID-PRODUCING DEPOSITS.

TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION

METHODS AND MATERIALS

1. SITE PREPARATION
   A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. ALL GRADING SHALL BE DONE IN ACCORDANCE WITH STANDARDS FOR LAND GRADING, CHAPTER 15-1.
   B. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSION, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION, SEDIMENT BASINS, AND WATERWAYS SEE STANDARDS 11 THROUGH 42.
   C. IMMEDIATELY PRIOR TO SEEDING, THE SURFACE SHOULD BE SCARIFIED 6" TO 12" WHERE THERE HAS BEEN SOIL COMPACTION. THIS PRACTICE IS PARTICULARLY ONLY WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLE, IRRIGATION SYSTEMS, ETC.)
2. SEEDBED PREPARATION
   A. APPLY GROUND LIMESTONE AND FERTILIZER TO SOIL TEST RECOMMENDATIONS SUCH AS OFFERED BY RUTGERS CO-OPERATIVE EXTENSION. SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL RUTGERS COOPERATIVE EXTENSION OFFICES (HTTP://NJAES.RUTGERS.EDU/COUNTY). IF SOIL TESTING IS NOT FEASIBLE, APPLY 1 TON/ACRE (46 POUNDS PER 1,000 SQUARE FEET) OF 10-10-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE. APPLY LIMESTONE AT THE RATE OF 2 TONS/ACRE UNLESS SOIL TESTING INDICATES OTHERWISE. CALCIUM CARBONATE IS THE EQUIVALENT AND STANDARD USED IN DETERMINING THE RATE OF LIMESTONE TO BE APPLIED. APPLY AT LEAST HALF THE RATE OF LIME AND FERTILIZER WITHIN 2 TO 3 WEEKS AFTER SEEDING.
   B. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRING-TOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISKING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM AND FIRM SEEDBED IS PREPARED.
   C. INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC AS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED IN ACCORDANCE WITH THE ABOVE.
3. SEEDING (ZONE 6b)
   A. TEMPORARY SEEDING SHALL CONSIST OF THE FOLLOWING SEED SELECTION INDICATED IN THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY CHAPTER 7-1.
   B. TEMPORARY GRASS SEEDING SHALL CONSIST OF SPRING OATS APPLIED AT A RATE OF 86 POUNDS (2) INCHES AND/OR 2 POUNDS PER 1,000 SQUARE FOOT AT A DEPTH OF 1 INCH. OPTIMUM SEEDING DATES ARE BETWEEN MARCH 1 AND THRU 15 AND AUGUST 15 THRU OCTOBER 1.
   b. AN ALTERNATIVE TEMPORARY GRASS SEEDING SHALL CONSIST OF WINTER CEREAL RYE APPLIED AT A RATE OF 112 POUNDS PER ACRE, OR 2.5 POUNDS PER 1,000 SQUARE FOOT AT A DEPTH OF 1 INCH. OPTIMUM SEEDING DATES ARE BETWEEN AUGUST 1 THRU NOVEMBER 15.
   C. CONVENTIONAL SEEDING. APPLY SEED UNIFORMLY BY HAND, CYCLONE (CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL OR CULTIPACKER SEEDER. EXCEPT FOR DRILLED, CULTIPACKED SEEDINGS, COVER SEED WITH APPROPRIATE EQUIPMENT TO THE SOIL TO A DEPTH OF 2 TO 2 INCH, BY RAKING OR DRAGGING. DEPTH OF PLACEMENT MAY BE 1 INCH DEEPER ON COARSE TEXTURED SOIL.
   D. HYDROSEEDING. THIS SEEDING METHOD USUALLY INVOLVING A TRUCK OR TRAILER MOUNTED TANK, WITH AN AGITATION SYSTEM AND HYDRAULIC PUMP FOR MIXING SEED, WATER AND FERTILIZER AND SPRAYING HE MIX ONTO THE PREPARED SEEDBED. MULCH SHALL NOT BE INCLUDED IN THE TANK WITH SEED. SHORT FIBERED MULCH MAY BE APPLIED WITH A HYDROSEEDER FOLLOWING SEEDING. (ALSO SEE SECTION 4-MULCHING STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY JANUARY 2014) ARE APPLIED TO THE SURFACE AND NOT INCORPORATED INTO THE SOIL. POOR SEED TO SOIL CONTRACT OCCURS REDUCING SEED GERMINATION AND GROWTH. HYDROSEEDING MAY BE USED FOR AREAS TO STEEP FOR CONVENTIONAL EQUIPMENT TO TRAVERSE OR TO OBSTRUCTED WITH ROCKS, STUMPS, ECT.
   E. DRILLING. DRILL SEED IN A CRISS-CROSS OR C



THE CONTRACTOR AND/OR OWNER SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING STRUCTURES AND UTILITIES, WHICH HE DEEMS NECESSARY, BOTH ABOVE AND BELOW THE GROUND SURFACE BEFORE HEAVY EQUIPMENT ENTERS THE CONSTRUCTION SITE.

FINAL INQUIRIES TO "UNDERGROUND UTILITIES" (PHONE #: 1-800-272-1000) SHALL BE MADE BY THE CONTRACTOR AND/OR OWNER WITHIN SEVEN (7) DAYS OF ENTERING THE SITE. THE CONTRACTOR AND/OR OWNER SHALL COORDINATE AND VERIFY THE METHOD OF UTILITY LOCATION WITH THE APPROPRIATE UTILITY COMPANIES.

IN GENERAL, THE VERTICAL DESIGN OF PROPOSED GRAVITY UTILITIES, AS SHOWN, ARE INFLUENCED BY THE EXISTING GRAVITY UTILITIES ONLY, WHICH MAY NECESSITATE THE RELOCATIONS OF OTHER UTILITIES.

UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE, AND BASED ON EXISTING INFORMATION RECEIVED FROM UTILITY COMPANIES.

SOIL DE-COMPACTION AND TESTING REQUIREMENTS

A. SOIL COMPACTION TESTING REQUIREMENTS

1. SUBGRADE SOILS PRIOR TO THE APPLICATION OF TOPSOIL (SEE PERMANENT SEEDING AND STABILIZATION NOTES FOR TOPSOIL REQUIREMENTS) SHALL BE FREE OF EXCESSIVE COMPACTION TO A DEPTH OF 6.0 INCHES TO ENHANCE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.
2. AREAS OF THE SITE WHICH ARE SUBJECT TO COMPACTION TESTING AND/OR MITIGATION AREA GRAPHICALLY DENOTED ON THE CERTIFIED SOIL EROSION CONTROL PLAN.
3. COMPACTION TESTING LOCATIONS ARE DENOTED ON THE PLAN. LOCATION ID'S SHALL BE USED TO COMPLETE THE COMPACTION REMEDIATION FORM, AVAILABLE FROM THE LOCAL SOIL CONSERVATION DISTRICT. THIS FORM MUST BE FILLED OUT AND SUBMITTED PRIOR TO RECEIVING A CERTIFICATE OF COMPLIANCE FROM THE DISTRICT.
4. IN THE EVENT THAT TESTING INDICATED COMPACTION IN EXCESS OF THE MAXIMUM THRESHOLDS INDICATED FOR THE SIMPLIFIED TESTING METHODS (SEE DETAILS BELOW), THE CONTRACTOR/OWNER SHALL HAVE THE OPTION TO PERFORM EITHER (1) COMPACTION MITIGATION OVER THE ENTIRE MITIGATION AREA DENOTED ON THE PLAN (EXCLUDING EXEMPT AREAS), OR (2) PERFORM ADDITIONAL, MORE DETAILED TESTING TO ESTABLISH THE LIMITS OF EXCESSIVE COMPACTION WHEREUPON ONLY THE EXCESSIVELY COMPACTED AREAS WOULD REQUIRE COMPACTION MITIGATION. ADDITIONAL DETAILED TESTING SHALL BE PERFORMED BY A TRAINED, LICENSED PROFESSIONAL.

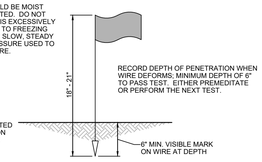
B. COMPACTION TESTING METHODS

1. PROBING WIRE TEST (SEE DETAIL)
2. HAND-HELD PENETROMETER TEST (SEE DETAIL)
3. TUBE BULK DENSITY TEST (LICENSED PROFESSIONAL REQUIRED)
4. NUCLEAR DENSITY TEST (LICENSED PROFESSIONAL REQUIRED)
5. NOTE: ADDITIONAL TESTING METHODS WHICH CONFORM TO ASTM STANDARDS AND SPECIFICATIONS, AND WHICH PRODUCE A DRY WEIGHT, SOIL BULK DENSITY MEASUREMENT MAY BE ALLOWED SUBJECT TO DISTRICT APPROVAL.
6. DETAILED REQUIREMENTS FOR EACH COMPACTION TESTING METHOD CAN BE FOUND IN SECTION 19 "STANDARD FOR LAND GRADING" OF THE NJ STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL, LATEST EDITION.
7. SOIL COMPACTION TESTING IS NOT REQUIRED IF/WHEN SUBSOIL COMPACTION REMEDIATION (SCARIFICATION/TILLAGE (6" MINIMUM DEPTH) OR SIMILAR) IS PROPOSED AS PART OF THE SEQUENCE OF CONSTRUCTION.

C. PROCEDURES FOR SOIL COMPACTION MITIGATION

1. PROCEDURES SHALL BE USED TO MITIGATE EXCESSIVE SOIL COMPACTION PRIOR TO PLACEMENT OF TOPSOIL AND ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.
2. RESTORATION OF COMPACTED SOILS SHALL BE THROUGH DEEP SCARIFICATION/TILLAGE (6" MINIMUM DEPTH) WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.). IN THE ALTERNATIVE, ANOTHER METHOD AS SPECIFIED BY A NEW JERSEY LICENSED PROFESSIONAL ENGINEER MAYBE SUBSTITUTED SUBJECT TO DISTRICT APPROVAL.

NOTE: SOIL SHOULD BE MOIST BUT NOT SATURATED. DO NOT TEST WHEN SOIL IS EXCESSIVELY DRY OR SUBJECT TO FREEZING TEMPERATURES. SLOW, STEADY DOWNWARD PRESSURE USED TO ADVANCE THE WIRE.



RECORD DEPTH OF PENETRATION WHEN WIRE DEFORMS; MINIMUM DEPTH OF 6" TO PASS TEST. EITHER PREMEDITATE OR PERFORM THE NEXT TEST.

* WIRE MAY BE RE-INSERTED IF/WHEN AN OBSTRUCTION (ROCK, ROOT, DEBRIS) IS ENCOUNTERED.

PROBING WIRE TEST
15.5 GA. STEEL WIRE (SURVEY FLAG)
N.T.S.

NOTE: SOIL SHOULD BE MOIST BUT NOT SATURATED. DO NOT TEST WHEN SOIL IS EXCESSIVELY DRY OR SUBJECT TO FREEZING TEMPERATURES. SLOW, STEADY DOWNWARD PRESSURE USED TO ADVANCE THE PROBE. MEASURE DEPTH WHEN GAGE READING REACHES 300 PSI OR DEPTH OF 6".

* PENETROMETER MAY BE RE-INSERTED IF/WHEN AN OBSTRUCTION (ROCK, ROOT, DEBRIS) IS ENCOUNTERED.

HANDHELD SOIL PENETROMETER TEST
N.T.S.

LEGEND

SOIL COMPACTION TESTING AREAS

RECOMMENDED SOIL COMPACTION TEST LOCATION (APPROX. 1PER/.5 ACRE)
TOTAL COMPACTION TESTING AREA = 1.10 ACRES

NOTE:
SOIL COMPACTION TESTING LOCATIONS IDENTIFIED ARE RECOMMENDED LOCATIONS FOR GRADED / DISTURBED AREAS WITHIN THE VICINITY OF BUILDINGS AND STRUCTURES OR ON INDIVIDUAL LOTS. FOR GRADED / DISTURBED AREAS WITHIN OPEN OR COMMON SPACES, SOIL COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE FREQUENCY LISTED IN THE LEGEND (THIS SHEET).

TYPICAL SOIL COMPACTION TESTING LOCATIONS
NOT TO SCALE

REVISION NO. 1: REVISED PLAN SET TO ADDRESS COMPLETENESS PER ERI REVIEW LETTER DATED 8/1/2025.

DESIGNED: VK/VS/MH	DRAWN: AMH	CHECKED: VK
DATE SIGNED: 8/28/2025		REVISIONS

NO.	DATE
1	8/28/25

VLADISLAV KOLDOMASOV

N.J. PROFESSIONAL ENGINEER NO. 24GE05529600

SOIL COMPACTION MITIGATION PLAN

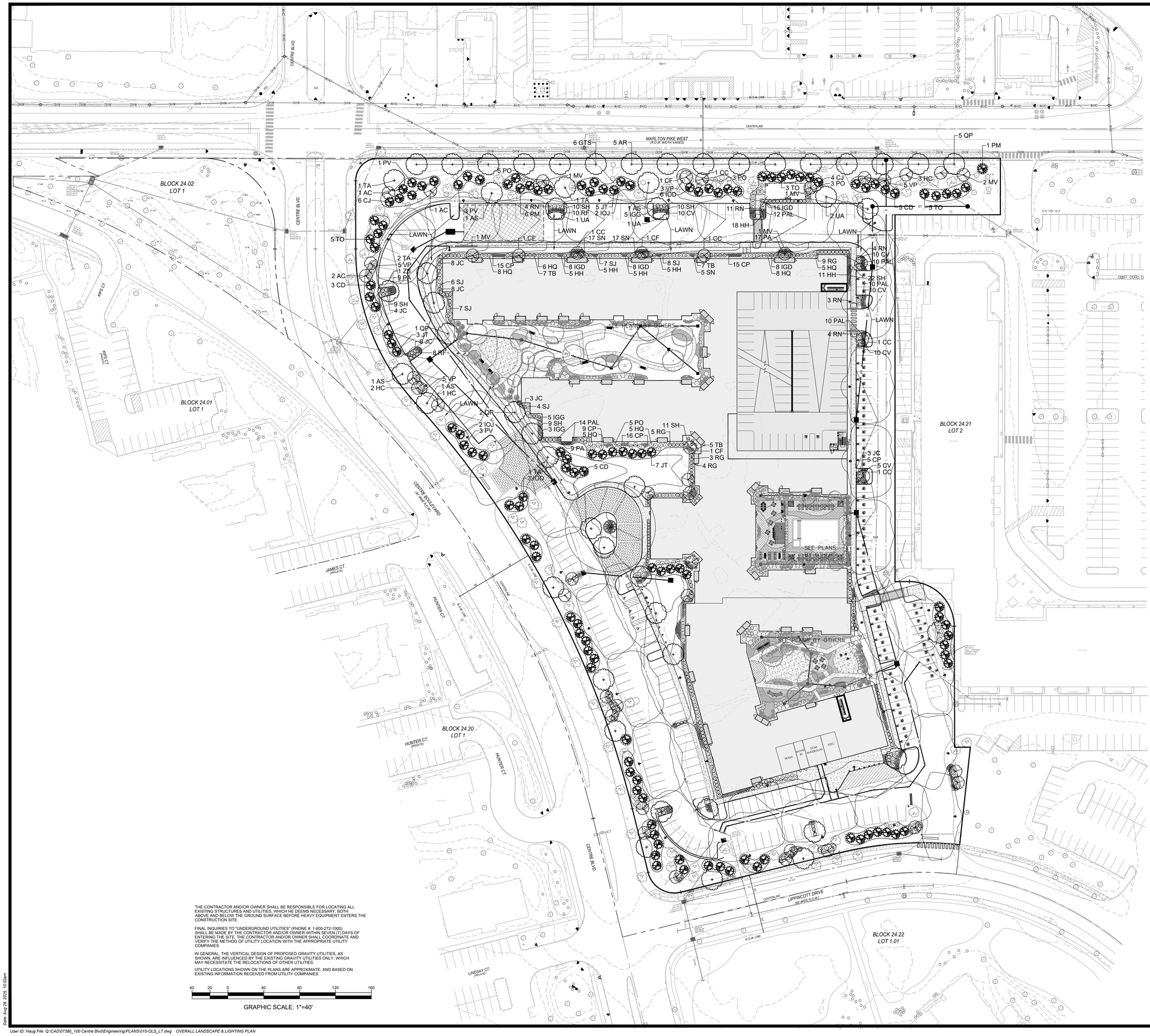
MARLTON CROSSING
BLOCK 24.21, LOT 3, TAX MAP SHEET 4
100 CENTRE BOULEVARD
EVESHAM TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

Taylor Wiseman & Taylor
ENGINEERS / SURVEYORS / SCIENTISTS
SUBSURFACE UTILITY ENGINEERING
804 EAST GATE DRIVE, SUITE 100, MOUNT LAUREL, NJ 08054
TELEPHONE: (856) 235-7200 FAX: (856) 722-9250 www.taylorwiseman.com
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28032900

SCALE:	DATE:	DRAWING NO:	SHEET:
1"=40'	JUNE 26, 2025	025-07380-SP	14 OF 26

Date: Aug 28, 2025, 10:02am

User ID: Haug File: Q:\CAD\07380_100 Centre Blvd\Engineering\PLANS\014-SCM.dwg SOIL COMPACTION MITIGATION PLAN



LANDSCAPE KEY

- PROPOSED SHADE TREE
- PROPOSED ORNAMENTAL TREE
- PROPOSED EVERGREEN TREE
- PROPOSED DECIDUOUS SHRUB
- PROPOSED EVERGREEN SHRUB
- PROPOSED ORNAMENTAL GRASS
- PROPOSED PERENNIAL
- PROPOSED LIMIT OF MULCHED PLANTING BED
- PROPOSED POLE MOUNTED LIGHT

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40 20 0 40 80 120 160

GRAPHIC SCALE: 1"=40'

REVISION NO. 1: REVISED PLAN SET TO ADDRESS COMPLETENESS PER ERI REVIEW LETTER DATED 8/1/2025.

DESIGNED: JEB	DRAWN: JEB	CHECKED: JEB	OVERALL LANDSCAPE & LIGHTING PLAN
DATE SIGNED: 08/28/2025		REVISIONS NO. 1 DATE: 8/28/25	MARLTON CROSSING BLOCK 24.21, LOT 3, TAX MAP SHEET 4 100 CENTRE BOULEVARD EVESHAM TOWNSHIP BURLINGTON COUNTY, NEW JERSEY
JILL E. BARBER			Taylor Wiseman & Taylor ENGINEERS / SURVEYORS / SCIENTISTS SUBSURFACE UTILITY ENGINEERING 804 EAST GATE DRIVE, SUITE 100, MOUNT LAUREL, NJ 08054 TELEPHONE: (856) 235-7200 FAX: (856) 722-9250 www.taylorwiseman.com NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28032900
NJ LICENSED LANDSCAPE ARCHITECT NO. 21A500099100	SCALE: 1"=40'	DATE: JUNE 26, 2025	DRAWING NO.: 025-07380-SP	SHEET: 15 of 26

Date: Aug 28, 2025, 10:02am

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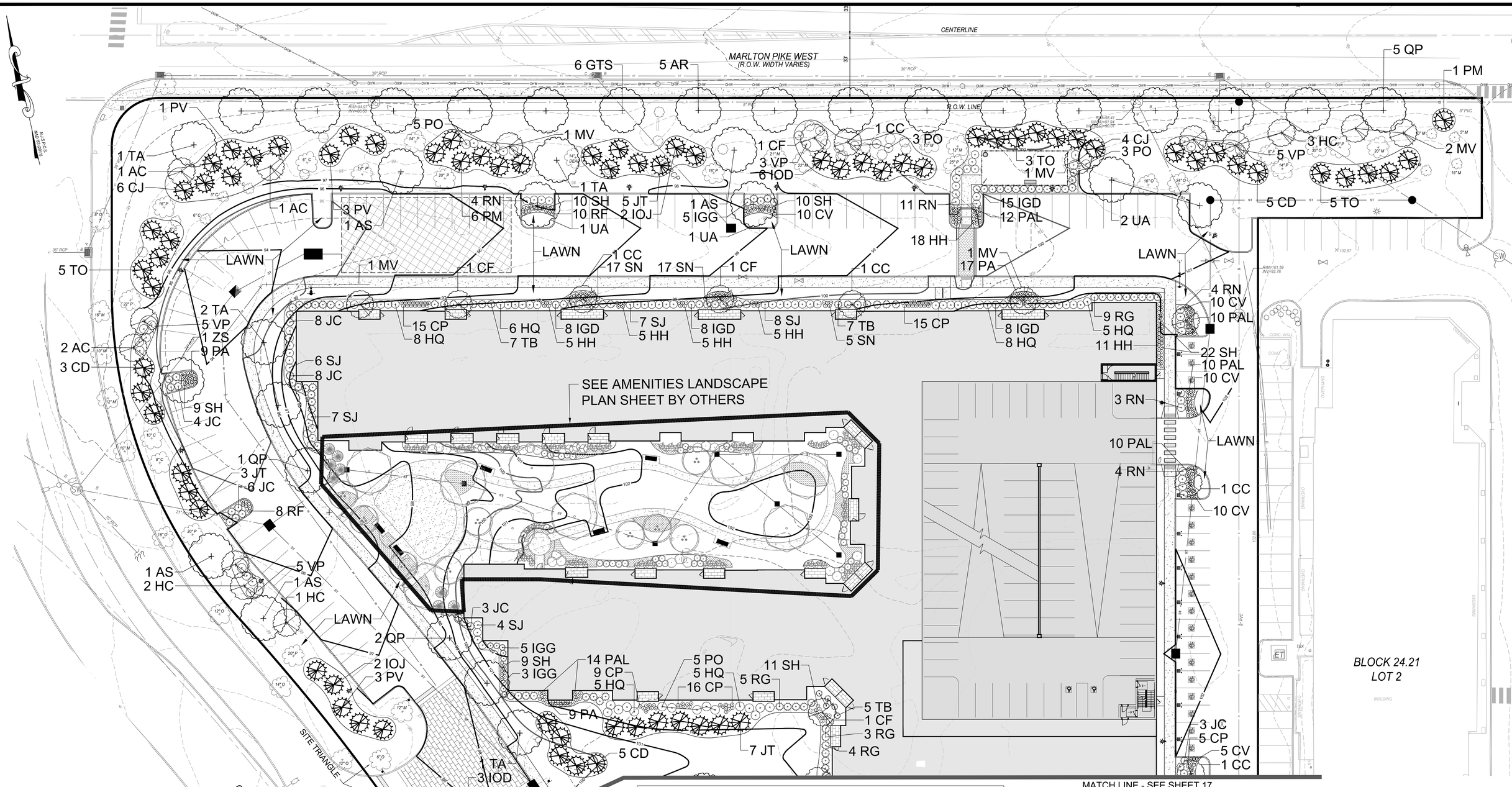

MATCH LINE - SEE SHEET 17

LANDSCAPE PLANT SCHEDULE SHEET 16

KEY	QTY	BOTANICAL NAME	COMMON NAME	HGT.	CAL.	SIZE	NOTES
SHADE TREES:							
AR	5	ACER RUBRUM 'RED SUNSET'	RED SUNSET RED MAPLE	10-12'	2-2.5"	B&B	SINGLE, STRAIGHT LEADER / FULL HEAD
AS	4	ACER SACCHARUM 'GREEN MOUNTAIN'	GREEN MOUNTAIN SUGAR MAPLE	10-12'	2-2.5"	B&B	SINGLE, STRAIGHT LEADER / FULL HEAD
GTS	6	GLEDITSIA TRIACANTHOS INERMIS 'SKYLINE'	SKYLINE THORNLESS HONEYLOCUST	10-12'	2-2.5"	B&B	SINGLE, STRAIGHT LEADER / FULL HEAD
TA	5	TILIA AMERICANA	BASSWOOD	10-12'	2-2.5"	B&B	SINGLE, STRAIGHT LEADER / FULL HEAD
UA	5	ULMUS AMERICANA 'PRINCETON'	PRINCETON ELM	10-12'	2-2.5"	B&B	SINGLE, STRAIGHT LEADER / FULL HEAD
QP	8	QUERCUS PHELLOS	WILLOW OAK	10-12'	2-2.5"	B&B	SINGLE, STRAIGHT LEADER / FULL HEAD
EVERGREEN TREES:							
CD	13	CEDRUS DEODARA	DEODAR CEDAR	6-8'		B&B	SHEARED / MATCHED
CJ	10	CRYPTOMERIA JAPONICA 'YOSHINO'	YOSHINO JAPANESE CRYPTOMERIA	6-8'		B&B	SHEARED / MATCHED
IOD	9	ILEX OPACA 'DAN FENTON' (FEMALE)	DAN FENTON AMERICAN HOLLY	6-8'		B&B	SHEARED / MATCHED
IOJ	4	ILEX OPACA 'JERSEY KNIGHT' (MALE)	JERSEY KNIGHT AMERICAN HOLLY	6-8'		B&B	SHEARED / MATCHED
JT	15	JUNIPERUS CHINENSIS 'TORULOSA'	HOLLYWOOD JUNIPER	6-8'		B&B	SHEARED / MATCHED
PM	7	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	6-8'		B&B	SHEARED / MATCHED
PV	7	PINUS VIRGINIANA	VIRGINIA PINE	6-8'		B&B	SHEARED / MATCHED
TO	13	THUGA x 'GREEN GIANT'	GREEN GIANT ARBORVITAE	6-8'		B&B	SHEARED / MATCHED
ORNAMENTAL TREES:							
AC	4	AMELANCHIER CANADENSIS 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	7-8'		B&B	MULTI-LEADER / WELL BRANCHED
CC	5	CERCIS CANADENSIS 'SUMMER TOWER'	SUMMER TOWER EASTERN REDBUD	7-8'		B&B	MULTI-LEADER / WELL BRANCHED
CF	4	CORNUS FLORIDA 'CHEROKEE CHIEF'	CHEROKEE CHIEF DOGWOOD	7-8'		B&B	MULTI-LEADER / WELL BRANCHED
HC	6	HALESIA CAROLINA 'JERSEY BELLE'	CAROLINA SILVERBELL	7-8'		B&B	MULTI-LEADER / WELL BRANCHED
MV	6	MAGNOLIA VIRGINIANA	SWEETBAY MAGNOLIA	7-8'		B&B	MULTI-LEADER / WELL BRANCHED
SHRUBS:							
HQ	37	HYDRANGEA QUERCIFOLIA 'PEE WEE'	PEE WEE OAKLEAF HYDRANGEA	18-24"		3 GAL. CONT.	WELL BRANCHED
IGD	39	ILEX GLABRA 'DENSA'	INKBERRY HOLLY	18-24"		2 GAL. CONT.	WELL BRANCHED
IGG	13	ILEX GLABRA 'GEM BOX'	GEM BOX INKBERRY HOLLY	18-24"		3 GAL. CONT.	WELL BRANCHED
JC	32	JUNIPERUS CHINENSIS 'SEA GREEN'	SEA GREEN JUNIPER	18-24"		3 GAL. CONT.	WELL BRANCHED
PO	16	PHYSOCARPUS OPULIFOLIUS 'SUMMER WINE'	SUMMER WINE NINEBARK	24-30"		5 GAL. CONT.	WELL BRANCHED
RG	21	RHODODENDRON 'GIRARD CRIMSON'	GIRARD CRIMSON AZALEA (EVERGREEN)	18-24"		3 GAL. CONT.	WELL BRANCHED
RN	26	ROSA x NOARE	RED CARPET ROSE	18-24"		3 GAL. CONT.	WELL BRANCHED
SJ	32	SPIREA JAPONICA 'GOLDFLAME'	GOLDFLAME SPIREA	24-30"		5 GAL. CONT.	WELL BRANCHED
VP	18	VIBURNUM PRUNIFOLIUM	BLACKHAW VIBURNUM	24-30"		5 GAL. CONT.	WELL BRANCHED
ORNAMENTAL GRASSES / PERENNIALS							
CP	60	CAREX PENSYLVANICA	OAK SEDGE	18-24"		1 GAL.	FULL
CV	45	COREOPSIS 'VERTICILLATA 'ZAGREB'	THREADLEAF TICKSEED	18-24"		1 GAL.	FULL
HH	49	HEMEROCALLIS 'HAPPY RETURNS'	HAPPY RETURNS DAYLILY	18-24"		1 GAL.	FULL
PA	35	PEROVSKIA ATRIPLICIFOLIA 'LITTLE SPIRE'	LITTLE SPIRE RUSSIAN SAGE	18-24"		1 GAL.	FULL
PAL	56	PENNISETUM ALOPECUROIDES 'HAMELN'	DWARF FOUNTAIN GRASS	18-24"		1 GAL.	FULL
SH	71	SPOROBOLUS HETEROLEPIS	PRARIE DROPSEED GRASS	18-24"		1 GAL.	FULL
SN	39	SALVIA NEMOROSA 'BUMBLEBLUE'	BUMBLEBLUE MEADOW SAGE	18-24"		2 GAL.	FULL
RF	18	RUDBECKIA FULGIDA 'GOLDSTRUM'	GOLDSTURM BLACK-EYED SUSAN	18-24"		2 GAL.	FULL
TB	19	TAXUS BACCATA 'REPANDENS'	SPREADING ENGLISH YEW	18-24"		2 GAL.	FULL

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GRAPHIC SCALE: 1"=20'

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DESIGNED: JEB	DRAWN: JEB	CHECKED: JEB
DATE SIGNED: 08/28/2025		REVISIONS

NO.	DATE
1	8/28/25

JILL E. BARBER

NJ LICENSED LANDSCAPE ARCHITECT NO. 21A500099100

LANDSCAPE PLAN

MARLTON CROSSING
BLOCK 24.21, LOT 3, TAX MAP SHEET 4
100 CENTRE BOULEVARD
EVESHAM TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

Taylor Wiseman & Taylor
ENGINEERS / SURVEYORS / SCIENTISTS
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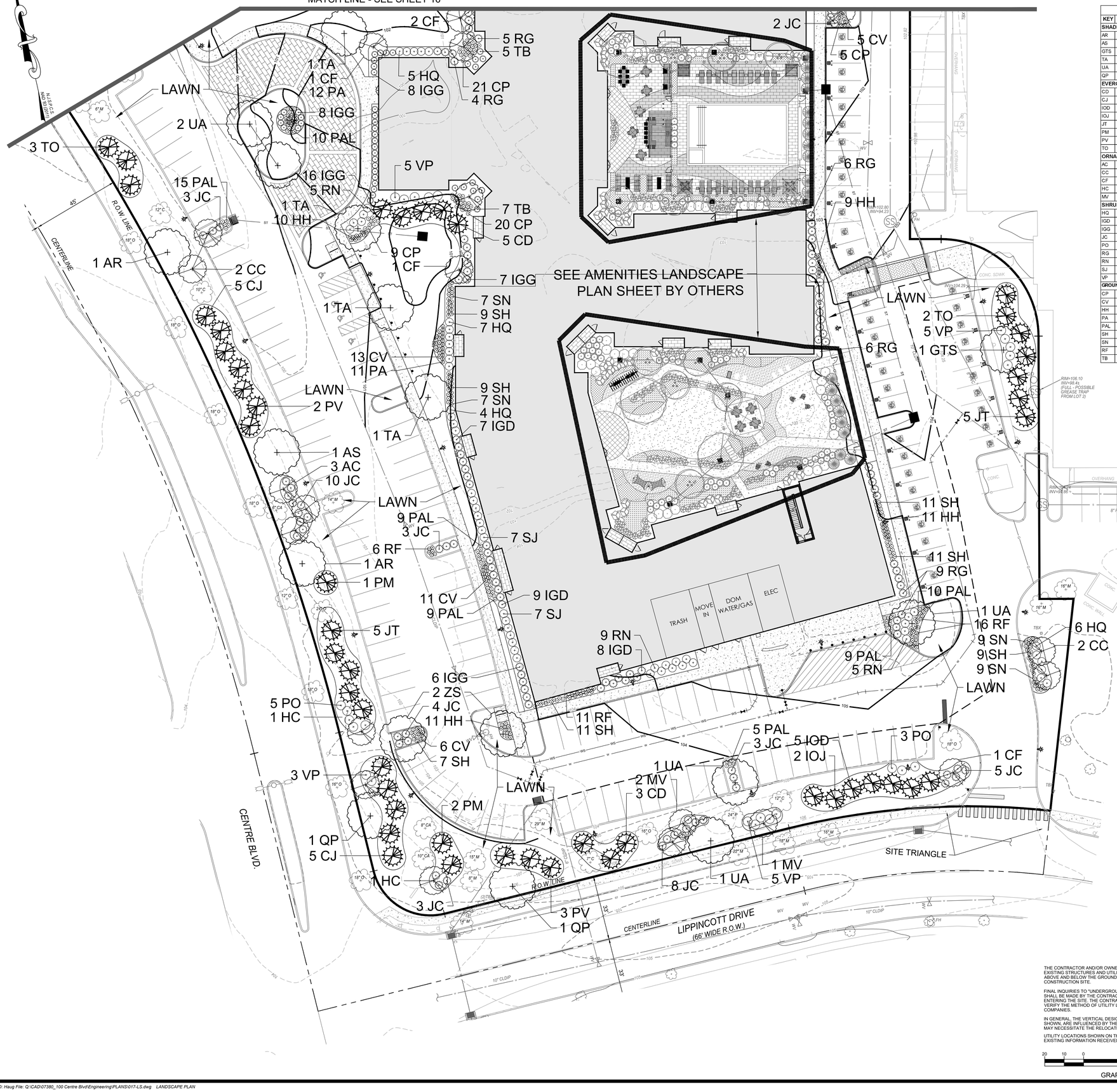
TELEPHONE: (856) 235-7200 FAX: (856) 722-9250 www.taylorwiseman.com
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28032900

SCALE:	DATE:	DRAWING NO.	SHEET:
1"=20'	JUNE 26, 2025	025-07380-SP	16 OF 26

Date: Aug 28, 2025, 10:02am

User ID: Haug File: Q:\CAD\07380_100 Centre Blvd\Engineering\PLANS\016-LS.dwg LANDSCAPE PLAN

MATCH LINE - SEE SHEET 16



LANDSCAPE PLANT SCHEDULE SHEET 17

KEY	QTY	BOTANICAL NAME	COMMON NAME	HGT.	CAL.	SIZE	NOTES
SHADE TREES:							
AR	2	ACER RUBRUM 'RED SUNSET'	RED SUNSET RED MAPLE	10-12'	2-2.5"	B&B	SINGLE, STRAIGHT LEADER / FULL HEAD
AS	1	ACER SACCHARUM 'GREEN MOUNTAIN'	GREEN MOUNTAIN SUGAR MAPLE	10-12'	2-2.5"	B&B	SINGLE, STRAIGHT LEADER / FULL HEAD
GTS	1	GLEDITSIA TRIACANTHOS INERMIS 'SKYLINE'	SKYLINE THORNLESS HONEYLOCUST	10-12'	2-2.5"	B&B	SINGLE, STRAIGHT LEADER / FULL HEAD
TA	4	TILIA AMERICANA	BASSWOOD	10-12'	2-2.5"	B&B	SINGLE, STRAIGHT LEADER / FULL HEAD
UA	5	ULMUS AMERICANA 'PRINCETON'	PRINCETON ELM	10-12'	2-2.5"	B&B	SINGLE, STRAIGHT LEADER / FULL HEAD
QP	2	QUERCUS PHELLOS	WILLOW OAK	10-12'	2-2.5"	B&B	SINGLE, STRAIGHT LEADER / FULL HEAD
EVERGREEN TREES:							
CD	9	CEDRUS DEODARA	DEODAR CEDAR	6-8'		B&B	SHEARED / MATCHED
CJ	10	CRYPTOMERIA JAPONICA 'YOSHINO'	YOSHINO JAPANESE CRYPTOMERIA	6-8'		B&B	SHEARED / MATCHED
IOD	5	ILEX OPACA 'DAN FENTON' (FEMALE)	DAN FENTON AMERICAN HOLLY	6-8'		B&B	SHEARED / MATCHED
IOJ	2	ILEX OPACA 'JERSEY KNIGHT' (MALE)	JERSEY KNIGHT AMERICAN HOLLY	6-8'		B&B	SHEARED / MATCHED
JT	10	JUNIPERUS CHINENSIS 'TORULOSA'	HOLLYWOOD JUNIPER	6-8'		B&B	SHEARED / MATCHED
PM	3	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	6-8'		B&B	SHEARED / MATCHED
PV	5	PINUS VIRGINIANA	VIRGINIA PINE	6-8'		B&B	SHEARED / MATCHED
TO	5	THUGA x 'GREEN GIANT'	GREEN GIANT ARBORVITAE	6-8'		B&B	SHEARED / MATCHED
ORNAMENTAL TREES:							
AC	3	AMELANCHIER CANADENSIS 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	7-8'		B&B	MULTI-LEADER / WELL BRANCHED
CC	4	CERCIS CANADENSIS 'APPALACHIA'	RED EASTERN REDBUD	7-8'		B&B	MULTI-LEADER / WELL BRANCHED
CF	5	CORNUS FLORIDA 'CHEROKEE CHIEF'	CHEROKEE CHIEF DOGWOOD	7-8'		B&B	MULTI-LEADER / WELL BRANCHED
HC	2	HALESIA CAROLINA 'JERSEY BELLE'	CAROLINA SILVERBELL	7-8'		B&B	MULTI-LEADER / WELL BRANCHED
MV	3	MAGNOLIA VIRGINIANA	SWEETBAY MAGNOLIA	7-8'		B&B	MULTI-LEADER / WELL BRANCHED
SHRUBS:							
HQ	22	HYDRANGEA QUERCIFOLIA 'PEE WEE'	PEE WEE OAKLEAF HYDRANGEA	18-24"		3 GAL. CONT.	WELL BRANCHED
IGD	24	ILEX GLABRA 'DENSA'	INKBERRY HOLLY	18-24"		2 GAL. CONT.	WELL BRANCHED
IGG	45	ILEX GLABRA 'GEM BOX'	GEM BOX INKBERRY HOLLY	18-24"		3 GAL. CONT.	WELL BRANCHED
JC	41	JUNIPERUS CHINENSIS 'SEA GREEN'	SEA GREEN JUNIPER	18-24"		3 GAL. CONT.	WELL BRANCHED
PO	8	PHYSOCARPUS OPULIFOLIUS 'SUMMER WINE'	SUMMER WINE NINEBARK	24-30"		5 GAL. CONT.	WELL BRANCHED
RG	30	RHODODENDRON 'GIRARD CRIMSON'	GIRARD CRIMSON AZALEA (EVERGREEN)	18-24"		3 GAL. CONT.	WELL BRANCHED
RN	19	ROSA x NOARE	RED CARPET ROSE	18-24"		3 GAL. CONT.	WELL BRANCHED
SJ	14	SPIREA JAPONICA 'GOLDFLAME'	GOLDFLAME SPIREA	24-30"		5 GAL. CONT.	WELL BRANCHED
VP	18	VIBURNUM PRUNIFOLIUM	BLACKHAW VIBURNUM	24-30"		5 GAL. CONT.	WELL BRANCHED
GROUNDCOVER/ORNAMENTAL GRASSES / PERENNIALS							
CP	55	CAREX PENSYLVANICA	OAK SEDGE	18-24"		1 GAL.	FULL
CV	35	COREOPSIS VERTICILLATA 'ZAGREB'	THREADLEAF TICKSEED	18-24"		1 GAL.	FULL
HH	41	HEMEROCALLIS 'HAPPY RETURNS'	HAPPY RETURNS DAYLILY	18-24"		1 GAL.	FULL
PA	23	PEROVSKIA ATRIPLICIFOLIA 'DENIM N LACE'	DENIM N LACE RUSSIAN SAGE	18-24"		1 GAL.	FULL
PAL	67	PENNISETUM ALOPECUROIDES 'HAMELN'	DWARF FOUNTAIN GRASS	18-24"		1 GAL.	FULL
SH	67	SPOROBOLUS HETEROLEPIS	PRARIE DROPSEED GRASS	18-24"		1 GAL.	FULL
SN	32	SALVIA NEMOROSA 'BUMBLEBLUE'	BUMBLEBLUE MEADOW SAGE	18-24"		2 GAL.	FULL
RF	33	RUDBECKIA FULGIDA 'GOLDSTRUM'	GOLDSTURM BLACK-EYED SUSAN	18-24"		2 GAL.	FULL
TB	12	TAXUS BACCATA 'REPANDENS'	SPREADING ENGLISH YEW	18-24"		2 GAL.	FULL

LANDSCAPE KEY

- PROPOSED SHADE TREE
- PROPOSED ORNAMENTAL TREE
- PROPOSED EVERGREEN TREE
- PROPOSED DECIDUOUS SHRUB
- PROPOSED EVERGREEN SHRUB
- PROPOSED ORNAMENTAL GRASS
- PROPOSED PERENNIAL
- PROPOSED LIMIT OF MULCHED PLANTING BED
- PROPOSED POLE MOUNTED LIGHT

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NJ LICENSED LANDSCAPE ARCHITECT NO. 21AS00099100	

CHECKED: JEB	
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LANDSCAPE PLAN

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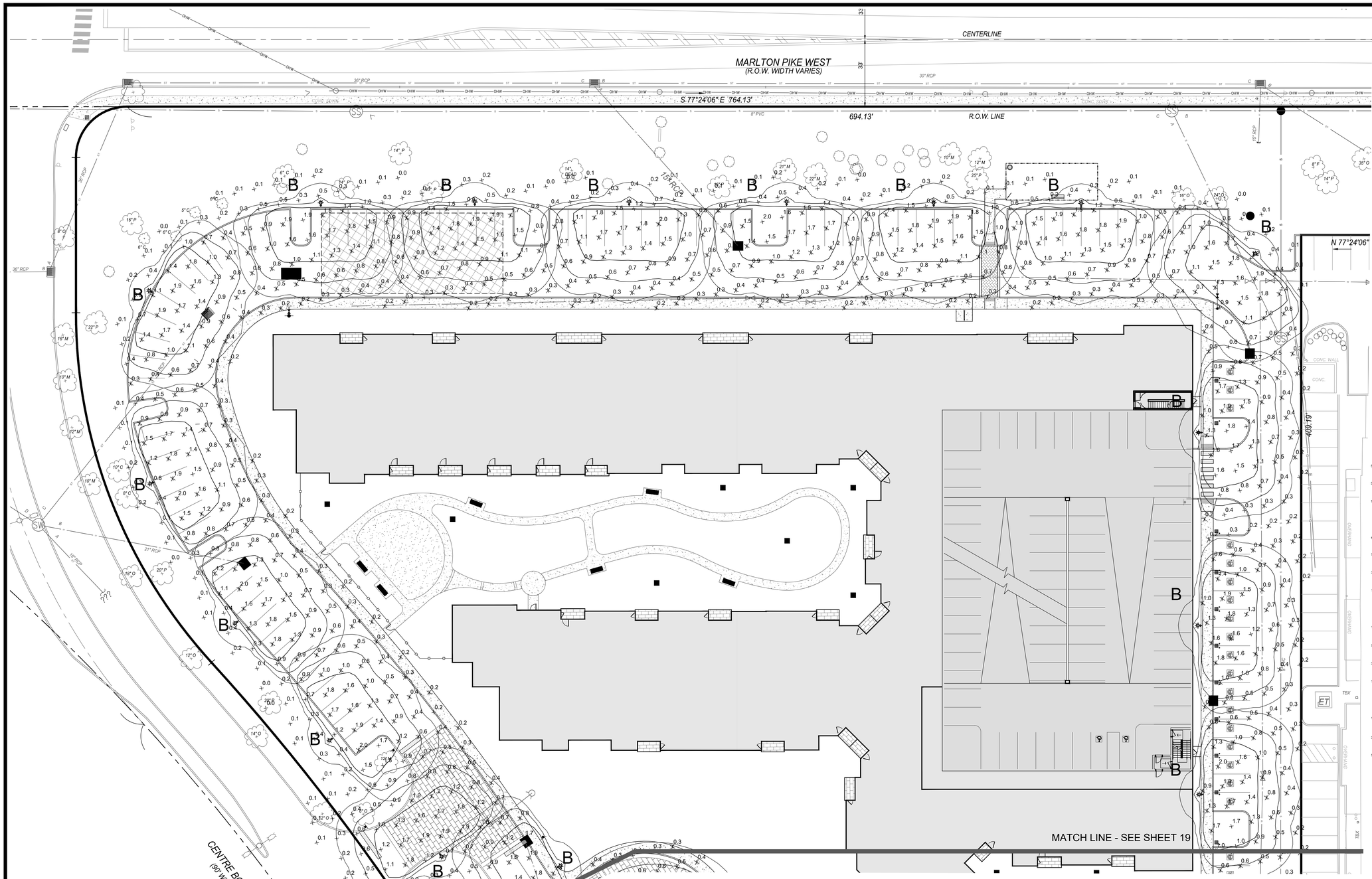
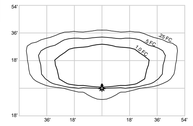
Date: Aug 28, 2025, 10:03am
User ID: Haug File: Q:\CAD\07380_100 Centre Blvd\Engineering\PLANS\017-LS.dwg LANDSCAPE PLAN.



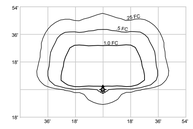
LIGHTING KEY

SCALE: 1" = 40'



POLE MOUNTED DECORATIVE FIXTURE A

PROMENADE LED SERIES BY ARCHITECTURAL AREA LIGHTING (AAL)
CATALOGUE NO.: PRM22-72L-335-3K7-3-BLT-CL-HS
3000K, 4,397 LUMENS, 70 CRI, 0.9 LLF
TYPE 3 LIGHT PATTERN WITH HOUSE SIDE SHIELD
18' MOUNTING HEIGHT
BLACK MATTE FINISH
TOTAL QUANTITY: 8



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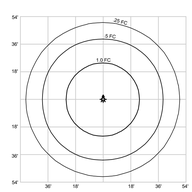
CATALOGUE NO.: PRM22-72L-335-3K7-4W-BLT-CL-HS
3000K, 4,397 LUMENS, 70 CRI, 0.9 LLF
TYPE 4 WIDE LIGHT PATTERN WITH HOUSE SIDE SHIELD
18' MOUNTING HEIGHT
BLACK MATTE FINISH
TOTAL QUANTITY: 28



POLE MOUNTED DECORATIVE FIXTURE C

PROMENADE LED SERIES BY ARCHITECTURAL AREA LIGHTING (AAL)
CATALOGUE NO.: PRM22-72L-335-3K7-4W-BLT-CL
3000K, 4,443 LUMENS, 70 CRI, 0.9 LLF
TYPE 5 WIDE LIGHT PATTERN
18' MOUNTING HEIGHT
BLACK MATTE FINISH
TOTAL QUANTITY: 1

LIGHTING CALCULATION INCLUDE THIS SITE ONLY, OFF SITE LIGHTING IS NOT INCLUDED IN CALCULATIONS

Statistics - For Sheets 18 & 19

Description	Avg	Max	Min	Max/Min	Avg/Min	Uniformity
Parking	1.3 fc	3.1 fc	0.2 fc	15.5:1	6.5:1	3.3
Sidewalk	0.7 fc	3.2 fc	0.1 fc	32.0:1	7.0:1	11.1
Drive Aisle	0.9 fc	3.0 fc	0.2 fc	15.0:1	4.5:1	6.6

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CHECKED: VK	
DATE SIGNED: 8/28/2025	

VLADISLAV KOLDOMASOV

N.J. PROFESSIONAL ENGINEER NO. 24GE05529600

REVISIONS NO.	DATE
1	8/28/25

LIGHTING PLAN

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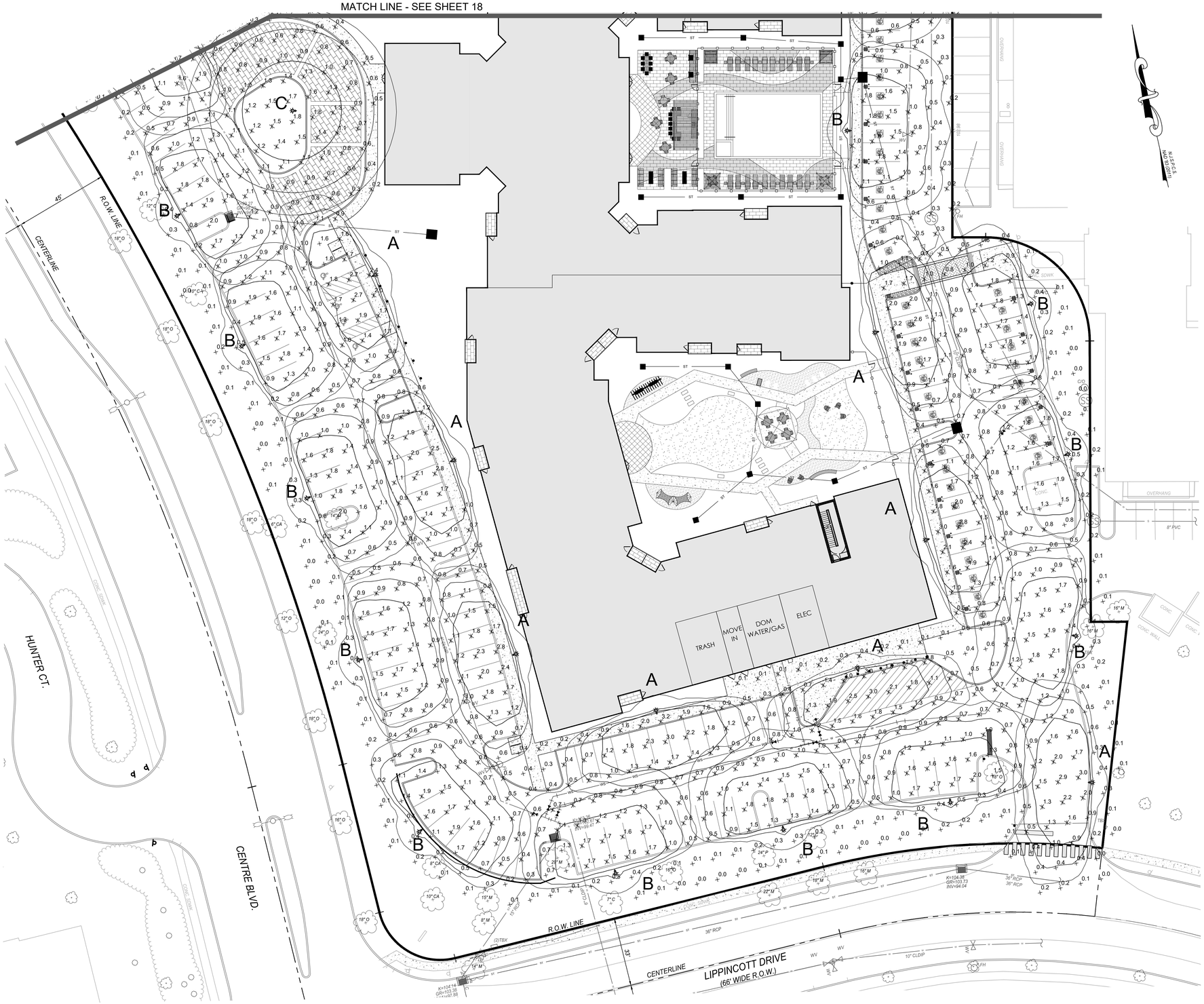
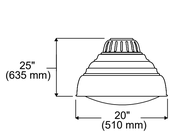
Date: Aug 28, 2025, 10:03am

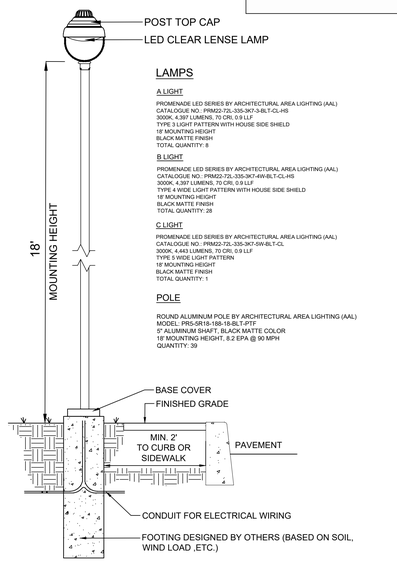
User ID: Haug File: Q:\CAD\07380_100 Centre Blvd\Engineering\PLANS\018-LT.dwg LIGHTING PLAN

MATCH LINE - SEE SHEET 18



LAMP DETAIL





LAMPS

A LIGHT

PROMENADE LED SERIES BY ARCHITECTURAL AREA LIGHTING (AAL)
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BLACK MATTE FINISH
TOTAL QUANTITY: 8

B LIGHT

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TYPE 4 WIDE LIGHT PATTERN WITH HOUSE SIDE SHIELD
18' MOUNTING HEIGHT
BLACK MATTE FINISH
TOTAL QUANTITY: 28

C LIGHT

PROMENADE LED SERIES BY ARCHITECTURAL AREA LIGHTING (AAL)
CATALOGUE NO.: PRM22-72L-335-3K7-5W-BLT-CL
3000K, 4,443 LUMENS, 70 CRI, 0.9 LLF
TYPE 5 WIDE LIGHT PATTERN
18' MOUNTING HEIGHT
BLACK MATTE FINISH
TOTAL QUANTITY: 1

POLE

ROUND ALUMINUM POLE BY ARCHITECTURAL AREA LIGHTING (AAL)
MODEL: PRS-5R18-188-18-BLT-PTF
5" ALUMINUM SHAFT, BLACK MATTE COLOR
18' MOUNTING HEIGHT, 8.2 EPA @ 90 MPH
QUANTITY: 39

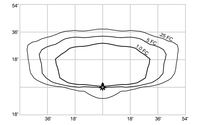
DECORATIVE LED LIGHT A, B, & C DETAIL

NOT TO SCALE

1. LAMP AND POLE BY ARCHITECTURAL AREA LIGHTING (AAL) OR APPROVED EQUAL.
2. SEE MANUFACTURE'S RECOMMENDED INSTALLATION GUIDE.

LIGHTING KEY

SCALE: 1' = 40'



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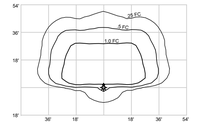

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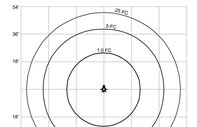

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LIGHTING PLAN AND DETAILS

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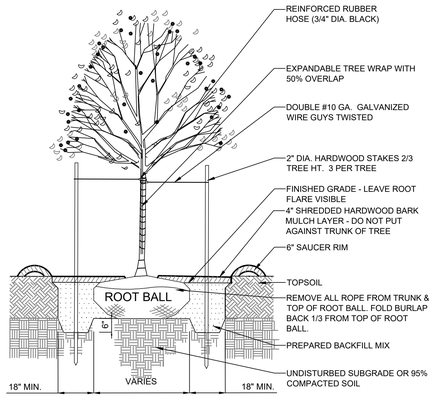
Date: Aug 28, 2025, 10:03am

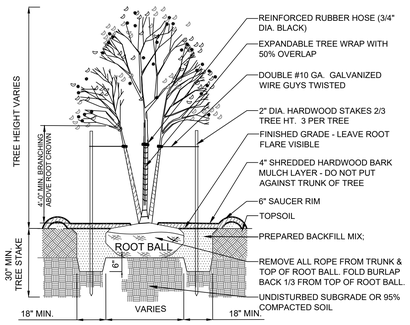
User ID: Haug File: Q:\CAD\07380_100 Centre Blvd\Engineering\PLANS\019-LT.dwg LIGHTING PLAN AND DETAILS



SHADE TREE PLANTING DETAIL

NOT TO SCALE

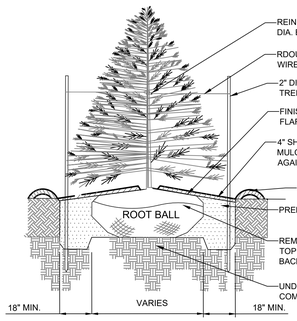
NOTES
1. NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT. ROOT FLARE SHALL BE VISIBLE AT TIME OF PLANTING.
2. PLANTING DEPTH SHALL BE THE SAME OR HIGHER AS GROWN IN NURSERY.
3. ALL NON-BIODEGRADABLE MATERIALS, INCLUDING WIRE BASKETS (IF UTILIZED), SHALL BE REMOVED AT TIME OF PLANTING.



MULTI-STEM TREE PLANTING DETAIL

NOT TO SCALE

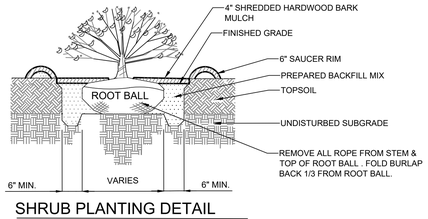
NOTES
1. NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT. ROOT FLARE SHALL BE VISIBLE AT TIME OF PLANTING.
2. PLANTING DEPTH SHALL BE THE SAME OR HIGHER AS GROWN IN NURSERY.
3. ALL NON-BIODEGRADABLE MATERIALS, INCLUDING WIRE BASKETS (IF UTILIZED), SHALL BE REMOVED AT TIME OF PLANTING.



EVERGREEN TREE PLANTING DETAIL

NOT TO SCALE

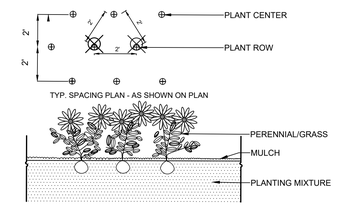
NOTES
1. NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT. ROOT FLARE SHALL BE VISIBLE AT TIME OF PLANTING.
2. PLANTING DEPTH SHALL BE THE SAME OR HIGHER AS GROWN IN NURSERY.
3. ALL NON-BIODEGRADABLE MATERIALS, INCLUDING WIRE BASKETS (IF UTILIZED), SHALL BE REMOVED AT TIME OF PLANTING.



SHRUB PLANTING DETAIL

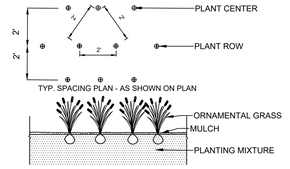
NOT TO SCALE

NOTES
1. NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT.
2. PLANTING DEPTH SHALL BE THE SAME OR HIGHER AS GROWN IN NURSERY.



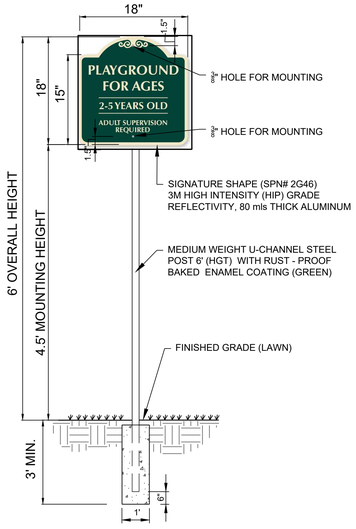
PERENNIAL DETAIL

NOT TO SCALE



ORNAMENTAL GRASS DETAIL

NOT TO SCALE



PLAYGROUND SIGN DETAIL

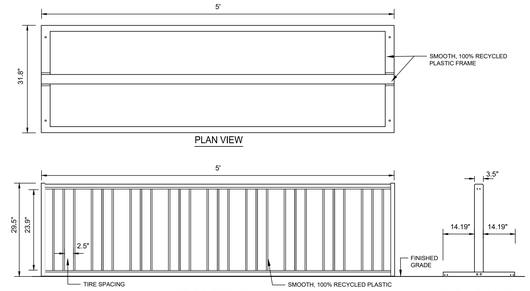
NOT TO SCALE

NOTES:
1. PLAYGROUND SIGN AND POST BYSmartSign (MODEL # K-7856) OR APPROVE EQUAL.
2. INSTALLATION PER MANUFACTURER'S SPECIFICATIONS.

DOG WASTE CAN & BAG DISPENSER DETAIL

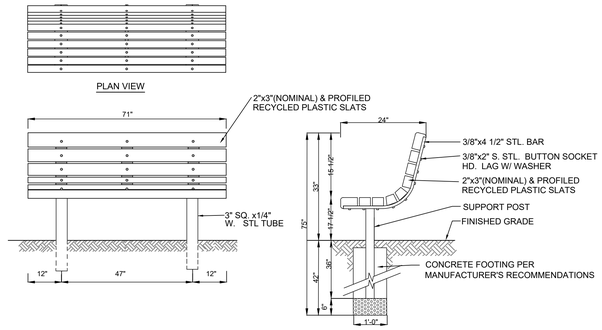
NOT TO SCALE

NOTES:
1. COMMERCIAL DOG WASTE STATION SHALL BE bw-022-1000 SINGLE BAG DISPENSER WITH SIGN, POST AND WASTE CAN AS SUPPLIED BY BOW WOW WASTE www.bowwowwaste.com OR APPROVED EQUAL.
2. INSTALLATION PER MANUFACTURER'S SPECIFICATIONS.



RECYCLED PLASTIC BIKE RACK (10 BIKE CAPACITY)

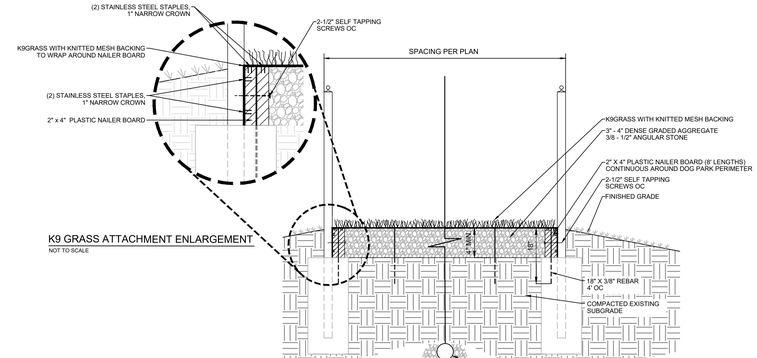
N.T.S.
NOTES:
1. SINGLE-SIDED RECYCLED PLASTIC BIKE RACK BY TREETOP PRODUCTS MODEL # BK1015 OR APPROVED EQUAL.
2. COLOR TO BE DETERMINED BY OWNER.
3. METHOD OF ANCHORING TO BRICK WALKWAY PER MANUFACTURER'S RECOMMENDATION.



DOG PARK BENCH DETAIL

NOT TO SCALE

NOTES:
1. RECYCLED PLASTIC BENCH 34 BY DuMor, Inc., SITE FURNISHINGS MODEL No. 34-60D, COLOR AS PER OWNER
2. ALL STEEL MEMBERS COATED WITH ZINC RICH EPOXY AND FINISHED WITH POLYESTER POWER COATING.
3. FOOTING AS PER MANUFACTURER'S RECOMMENDATIONS
4. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL.

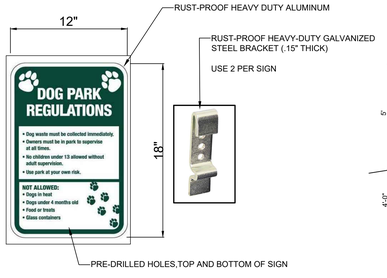


K9 GRASS ATTACHMENT ENLARGEMENT

NOT TO SCALE

DOG PARK K9 GRASS DETAIL

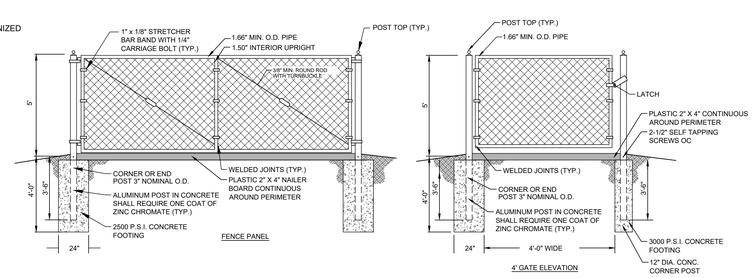
NOT TO SCALE
NOTES:
1. K9 GRASS ARTIFICIAL TURF BY FOREVER LAWN OR APPROVED EQUAL
2. INSTALLATION PER MANUFACTURER'S SPECIFICATIONS.



DOG PARK SIGN AND FENCE ATTACHMENT DETAIL

NOT TO SCALE

NOTES:
1. SIGN HOLDER FENCE BRACKET BY ACCUFORM, ITEM HSR270 OR APPROVED EQUAL.
2. DOG PARK REGULATIONS SIGN (# RPS325) BY GREAT AMERICAN PROPERTY MANAGEMENT SUPPLIES OR APPROVED EQUAL.



DOG PARK CHAIN LINK FENCE DETAIL

NOT TO SCALE

NOTES:
1. FENCING FABRIC SHALL BE HOT DIPPED GALVANIZED STEEL WIRE TWO (2) INCH DIAMOND MESH, COLOR COATED-FUSE BONDED BLACK. SEE SPECIFICATIONS.
2. INSTALLATION PER MANUFACTURER'S SPECIFICATIONS.

GENERAL LANDSCAPE NOTES:

1. A COMPLETE LIST OF PLANTS, INCLUDING A SCHEDULE OF QUANTITIES, SIZES, AND OTHER REQUIREMENTS IS SHOWN ON THE PLANT SCHEDULE. IN THE EVENT THAT DISCREPANCIES OCCUR BETWEEN THE QUANTITIES OF PLANTS INDICATED IN THE PLANT LIST AND THOSE INDICATED ON THE PLAN, THE PLANT QUANTITIES INDICATED ON THE PLAN SHALL GOVERN.
2. ANY PLANT SCHEDULE MODIFICATIONS SHALL BE SUBJECT TO THE APPROVAL BY TOWNSHIP REPRESENTATIVE & CLIENT AND HIS/HER PROJECT LANDSCAPE ARCHITECT PRIOR TO THE PRE-CONSTRUCTION MEETING AND REQUEST SHALL BE MADE IN WRITING TO AUTHORITY.
3. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATIONS OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES BEFORE EXCAVATING.
4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE SOIL TESTING RESULTS AND A COURSE OF ACTION TO REMEDY ANY TOPSOIL DEFICIENCIES PRIOR TO THE COMMENCEMENT OF WORK.
5. ALL PLANT MATERIAL IS TO BE GUARANTEED FOR A TWO (2) YEAR PERIOD STARTING AT THE TIME OF PLANTING. ALL PLANT MATERIAL NOT SURVIVING FOR A PERIOD OF TWO (2) YEARS SHALL BE REPLACED WITH THE SAME OR EQUIVALENT SIZE SPECIES.
6. IT IS UNDERSTOOD THAT THE OWNER SHALL ASSUME RESPONSIBILITY FOR WATERING ALL PLANT MATERIAL AND LAWN AREAS BEYOND THE GUARANTEE PERIOD COMMENCING WITH THE DATE OF INITIAL ACCEPTANCE. THE CONTRACTOR MUST PROVIDE LANDSCAPE MAINTENANCE INSTRUCTIONS AT THE TIME OF ACCEPTANCE. AT A MINIMUM THESE INSTRUCTIONS SHOULD INCLUDE A SCHEDULE OF FERTILIZING, PRUNING, WEEDING, & MOWING.
7. ALL PLANT MATERIALS SHALL CONFORM TO THE AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS AND SHALL BE FIRST QUALITY NURSERY CROWN STOCK, FREE FROM DISEASE OR OBJECTIONABLE DISFIGUREMENTS AND PLANTED IN CONFORMANCE WITH SOUND NURSERY PRACTICE AND APPLICABLE CITY STANDARD. NO TREES WILL BE ACCEPTED THAT SHOW SIGNS OF ANY CENTRAL LEADER BEING REMOVED.
8. ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OF VARIETY. ALL PLANTS SHALL HAVE NORMAL, WELL DEVELOPED BRANCHES AND VIGOROUS ROOT SYSTEM. THEY SHALL BE FREE FROM DEFECTS, DISFIGURING KNOTS, ABRASIONS OF BARK, SUN-SCALD INJURIES, PLANT DISEASES, INSECT EGGS, BORERS, AND ALL OTHER FORMS OF INFECTIONS. ALL PLANT MATERIAL SHALL BE THOROUGHLY WETTED WITH AN ANTI-TRANSPARENT UPON DELIVERY OF MATERIAL TO THE SITE. ALL EVERGREEN MATERIAL SHALL BE RE-SPRAYED PRIOR TO THE FIRST WINTER BY OWNER.
9. SIZE AND GRADING STANDARDS SHALL CONFORM TO ANSI #1, IN ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK ANSI Z60.1, LATEST EDITION OR BETTER AND SHALL BE GUARANTEED FOR A PERIOD OF 24 MONTHS AFTER ACCEPTANCE BY THE OWNER. MULTI-TRUNKED TREES SHALL MEAN AT LEAST 3 DISTINCT STEMS WITH BRANCHING A/2 1/2 THE HEIGHT OF TREE, (AND MAINTAINED AS SUCH) LOW BRANCHING SHALL MEAN BRANCHING OCCURS FROM A SINGLE TRUNK AND SHRUB FORM TREES SHALL MEAN MULTI-STEMMED WITH LOW BRANCHING.
10. IF EXISTING TREES ARE TO BE RELOCATED, THEY SHALL BE HANDLED ACCORDING TO ACCEPTABLE HORTICULTURAL PRACTICE.
11. ALL PLANTS SHALL BE PACKED, TRANSPORTED AND HANDLED WITH THE UTMOST CARE TO INSURE ADEQUATE PROTECTION AGAINST INJURY AND DEHYDRATION. EACH SHIPMENT SHALL BE CERTIFIED TO BE FREE FROM DISEASES AND INFESTATION. ANY INSPECTION CERTIFICATED REQUIRED BY LAW TO THIS EFFECT SHALL ACCOMPANY EACH SHIPMENT INVOICE OR ORDER OF STOCK AND ON ARRIVAL.
12. NO PLANT MATERIAL SHALL BE PLANTED BY THE CONTRACTOR UNTIL IT IS INSPECTED AND APPROVED BY THE THE CLIENT OR HIS/HER REPRESENTATIVE WHO SHALL BE THE SOLE JUDGE OF THE QUALITY AND ACCEPTABILITY OF THE PLANT MATERIAL.
13. ALL PLANT MATERIAL IS TO BE PLANTED ON THE DAY OF DELIVERY WITHIN THE RECOMMENDED SEASONAL TIME PERIODS AS PRESCRIBED BY ACCEPTED HORTICULTURAL PRACTICE. PLANT MATERIAL WITH FALL PLANTING HAZARDS SHALL BE HANDLED ACCORDINGLY. IF THIS IS NOT FEASIBLE, THE CONTRACTOR MUST PROVIDE MEASURES TO PROPERLY STORE & PROTECT PLANT MATERIAL ON SITE AND AT NO TIME SHALL THE STORAGE AND PROTECTION OF PLANT MATERIAL EXCEED 3 DAYS. A WATERING SCHEDULE MUST BE INITIATED FOR STORAGE OF PLANT MATERIAL. IT IS IMPORTANT THAT SOD BE PLANTED ON THE DAY OF DELIVERY OR WITHIN 24 HOURS. SOD PALLETS ARE TO BE STORED IN A SHADED LOCATION OR COVERED AND WETTED.
14. CONTRACTOR SHALL SCALE PLANT LOCATIONS FROM PLANS AND STAKE LOCATIONS ON SITE FOR APPROVAL BY THE LANDSCAPE ARCHITECT OR HIS/HER AGENT. PROPOSED TREES SHALL NOT BE PLANTED WITHIN EASEMENTS, DRIVEWAYS, AND SIGHT TRIANGLES. THEREFORE, THE TREE LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE ADJUSTED IN THE FIELD.
15. A TEMPORARY FENCE, SUCH AS A SNOW FENCE, SHALL BE ERECTED AT THE PERIMETER OR THE DRIP-LINE OF ALL EXISTING VEGETATION INDICATED TO REMAIN PRIOR TO ANY EXCAVATION, CONSTRUCTION AND FINAL GRADING.
16. SHADE AND EVERGREEN TREES SHALL BE PLANTED AT LEAST TWO (2) FEET FROM ANY CURBING, PAVING OR SIDEWALK. WHENEVER POSSIBLE, THIS DIMENSION SHOULD BE INCREASED TO FOUR (4) FEET.
17. ALL DISTURBED AREAS NOT SHOWN AS PLANTED OR LAWN ARE TO BE TOPSOILED AND SEEDED OR RETURNED TO THEIR ORIGINAL STATE BEFORE DISTURBANCE AS DIRECTED BY THE CITY ENGINEER. ALL AREAS NOT RELATED TO THE DEVELOPMENT SHALL REMAIN IN THEIR NATURAL STATE.
18. ALL PLANTING BEDS SHALL BE ROTOTILLED TO A DEPTH OF TEN (10) INCHES PRIOR TO ANY PLANTING. ALL STONES, WIRE, CONCRETE AND UNSUITABLE MATERIALS IN EXCESS OF 1 INCH DIA. SHALL BE REMOVED.
19. PLANTING MIXTURES SHALL CONSIST OF APPROXIMATELY FOUR PARTS OF NATURAL TOPSOIL, ONE PART COMPOSTED WOOD MULCH, ONE PART LEAF MOLD, & ONE PART SAND TO EACH CUBIC YARD. MIX THOROUGHLY. INCORPORATE FOUR POUNDS OF ORGANIC COMMERCIAL FERTILIZER HAVING AN ANALYSIS OF 6-6-6 BASED ON SOIL TEST RESULTS AND RECOMMENDATIONS TO MODIFY AS REQUIRED. ALSO USE OF MYCORRHIZAL BACTERIA, BIO-STIMULANTS AND WATER ABSORBENT GEL AS PER MANUFACTURER'S RECOMMENDATIONS. WATER ALL PLANTS AT THE TIME OF PLANTING.
20. PLANTING BEDS SHALL BE THOROUGHLY EXCAVATED TO A DEPTH OF 14", AND BACKFILLED WITH THE PLANT MIXTURE DESCRIBED ABOVE. ALL PAVEMENT SUBBASE AND UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE ISLAND PLANTING BEDS UNTIL VIRGIN SOIL IS REPLACED.
21. ALL SEEDED AREAS THAT DO NOT SHOW A PROMPT UNIFORM GERMINATION SHALL BE RE-SEEDED BY THE LANDSCAPE CONTRACTOR AT INTERVALS OF 45-50 DAYS, UNTIL A GOOD GROWTH IS ESTABLISHED OVER THE ENTIRE LAWN AREA. GOOD GROWTH MEANS 95% TOTAL COVERAGE.
22. ALL PLANT BEDS SHALL BE MULCHED WITH FOUR(4) INCHES OF SHREDDED HARDWOOD MULCH OR OTHER MATERIAL APPROVED BY THE LANDSCAPE ARCHITECT. THE LIMIT OF THIS MULCH FOR TREES SHALL BE THE AREA OF THE PIT AND FOR SHRUBS AND BEDS , THE ENTIRE SHRUB OR BED AREAS AS INDICATED ON THE PLAN. DO NOT CREATE MULCH PYRAMIDS; SEE PLANTING DETAIL FOR MULCH APPLICATION.
23. THE MULCH BEDS SHALL BE WEED FREE AT THE TIME OF INSPECTION AND 3 MONTHS AFTER INSTALLATION. HAND WEED PLANTING BEDS PRIOR TO APPLYING MULCH AND APPLYING PRE-EMERGENT HERBICIDE SAFE FOR VEGETABLE GARDENS. DO NOT USE ROUND UP OR ANY EQUIVALENT IN PLANTING BEDS.
24. ANY AND ALL IRRIGATION SYSTEMS SHALL CONTAIN A RAIN SENSOR. IT IS RECOMMENDED THAT IF PLANTING BEDS ARE IRRIGATED, DRIP IRRIGATION IS PREFERRED.
25. ALL EVERGREEN TREES SHALL BE CONICAL IN SHAPE UNLESS OTHERWISE NOTED. CONICAL SHALL MEAN THE PLANT SHALL HAVE A WIDER BASE. (5:3 RATIO AT A MINIMUM AND TAPER TO THE TOP. PLANT LEADER SHALL BE NO LONGER THAN 12 INCHES. CONICAL SHALL ALSO IMPLY A FULL SHAPE FROM THE BOTTOM OF PLANT (6-12" FROM ROOT BALL) TO TOP LEADER. REFER TO ANSI 260-1996 4.1.2.5 TYPE 5 - CONE TYPE.
26. FOR CONICAL AND EVERGREEN PLANT MATERIAL, AVERAGE HEIGHT SHALL BE MEASURED FROM THE UPPER LIMIT OF BRANCH WHORL AND MIDPOINT OR LEADER.
27. ALL EVERGREEN TREES MUST BE SLIGHTLY SHEARED.
28. ALL TREES SHALL BE BALLED & BURLAPPED NURSERY GROWN STOCK. NO BOX OR CONTAINER ROOTED TREES TO BE ACCEPTED.
29. WITHIN SITE TRIANGLES AND IN PEDESTRIAN WALK AREAS, ALL SHADE TREES SHALL BE LIMBED UP TO 7 FEET AND ALL SHRUBS ARE TO BE MAINTAINED AT 30 INCHES HIGH.
30. LANDSCAPE INSPECTION SHALL TAKE PLACE PRIOR TO OWNER ACCEPTANCE. ANY SHADE TREES DEAD OR DYING, WITH BROKEN LEADER OR WITH A COMPROMISED GROWN OF MORE THAN 20% OR DAMAGED BARK WILL NOT BE ACCEPTED. ANY EVERGREEN TREE DEAD OR DYING WITH MORE THAN 20% BROWNING WILL NOT BE ACCEPTED AND ANY SHRUB DEAD OR DYING OR WITH MORE THAN 20% DEADWOOD WILL NOT BE ACCEPTED.

REVISION NO. 1: REVISED PLAN SET TO ADDRESS COMPLETENESS PER ERI REVIEW LETTER DATED 8/1/2025.

DESIGNED: JEB	DRAWN: JEB	CHECKED: JEB
DATE SIGNED: 08/28/2025		

NO.	REVISIONS DATE
1	8/28/25

JILL E. BARBER

NJ LICENSED LANDSCAPE ARCHITECT NO. 21A5000991OO

LANDSCAPE DETAILS

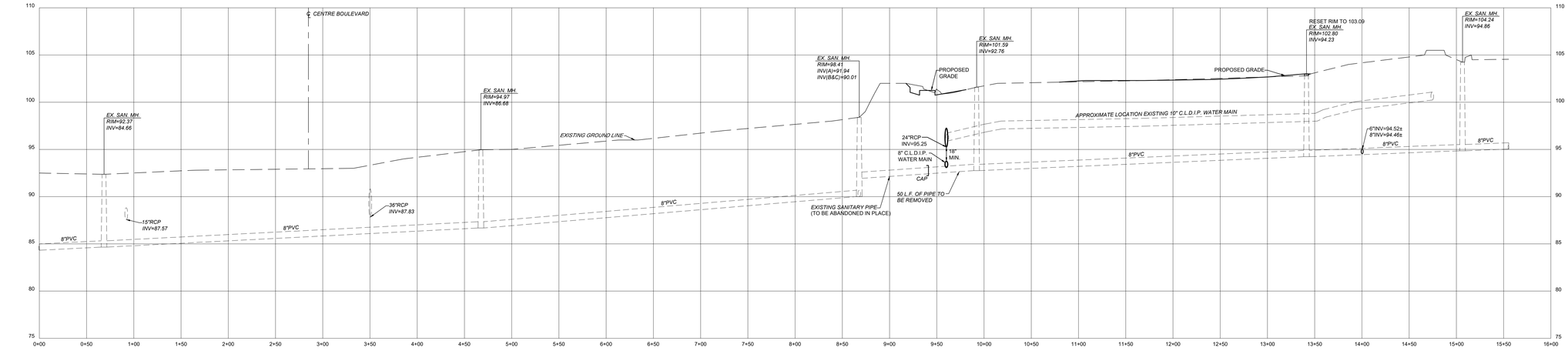
MARLTON CROSSING
BLOCK 24.21, LOT 3, TAX MAP SHEET 4
100 CENTRE BOULEVARD
EVESHAM TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

Taylor Wiseman & Taylor
ENGINEERS / SURVEYORS / SCIENTISTS
SUBSURFACE UTILITY ENGINEERING
804 EAST GATE DRIVE, SUITE 100, MOUNT LAUREL, NJ 08054
TELEPHONE: (856) 235-7200 FAX: (856) 722-9200 www.taylorwiseman.com
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28032900

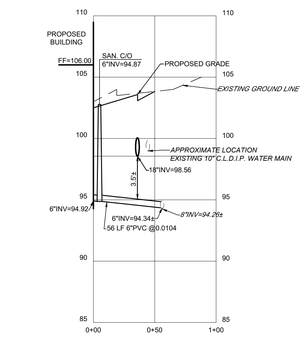
SCALE:	DATE:	DRAWING NO:	SHEET:
AS SHOWN	JUNE 26, 2025	025-07380-SP	20 OF 26

Date: Aug 28, 2025, 10:04am

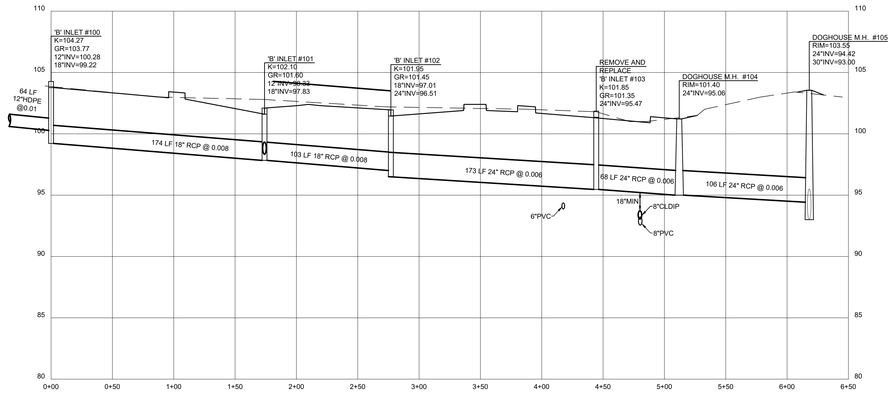
User ID: Haug File: Q:\CAD\07380_100 Centre Blvd\Engineering\PLANS\020-LS_CD.dwg LANDSCAPE DETAILS



EXISTING SANITARY SEWER LINE

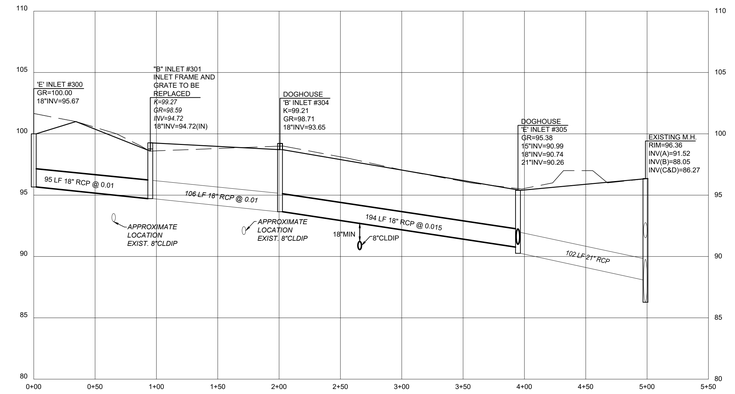


SANITARY LATERAL FROM PROPOSED BUILDING TO EXISTING SANITARY SEWER LINE

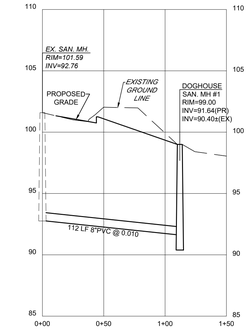


'B' INLET # 100 TO STORM MH #105

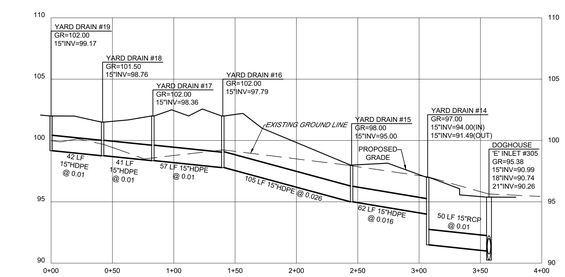
DOGHOUSE 'E' INLET #200 TO EXISTING 'B' INLET



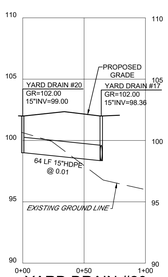
'E' INLET #300 TO EXISTING STORM M.H.



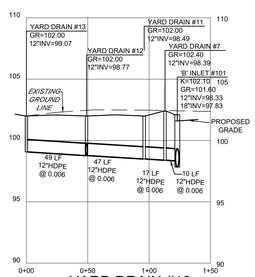
EXISTING SAN. MH TO DOGHOUSE SAN. MH #1



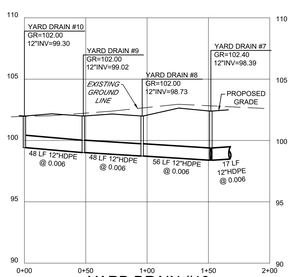
YARD DRAIN #19 TO DOGHOUSE 'E' INLET #305



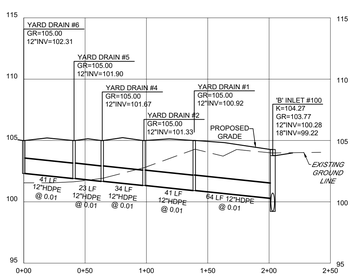
YARD DRAIN #20 TO YARD DRAIN #17



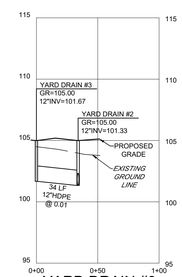
YARD DRAIN #13 TO 'B' INLET #101



YARD DRAIN #10 TO YARD DRAIN #7



YARD DRAIN #6 TO 'B' INLET #100



YARD DRAIN #3 TO YARD DRAIN #2

GRAPHIC SCALE: 1"=5' VERT.

GRAPHIC SCALE: 1"=50' HORIZ.

REVISION NO. 1: REVISED PLAN SET TO ADDRESS COMPLETENESS PER ERI REVIEW LETTER DATED 8/1/2025.

DESIGNED: VK/VS/RH	DRAWN: AMH	CHECKED: VK
DATE SIGNED: 8/28/2025		REVISIONS

NO.	DATE
1	8/28/25

VLADISLAV KOLDOMASOV

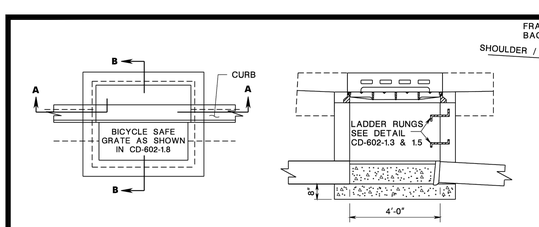
N.J. PROFESSIONAL ENGINEER NO. 24GE05529600

PROFILES

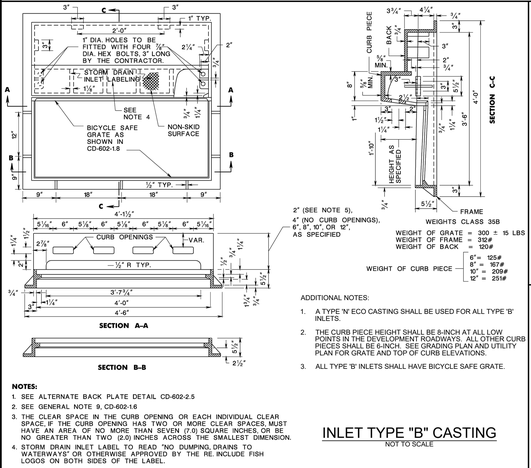
MARLTON CROSSING
BLOCK 24.21, LOT 3, TAX MAP SHEET 4
100 CENTRE BOULEVARD
EVESHAM TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

Taylor Wiseman & Taylor
ENGINEERS / SURVEYORS / SCIENTISTS
SUBSURFACE UTILITY ENGINEERING
804 EAST GATE DRIVE, SUITE 100, MOUNT LAUREL, NJ 08054
TELEPHONE: (856) 235-7200 FAX: (856) 722-9250 www.taylorwiseman.com
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28032900

SCALE:	1"= 5' VERT. 50' HORIZ.	DATE: JUNE 26, 2025	DRAWING NO: 025-07380-SP	SHEET: 21 OF 26



INLET TYPE "B"
NOT TO SCALE



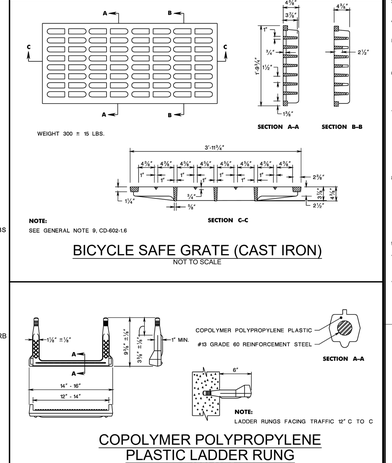
ADDITIONAL NOTES:

1. A TYPE 'N' ECO CASTING SHALL BE USED FOR ALL TYPE 'B' INLETS.
2. THE CURB PIECE HEIGHT SHALL BE 8-INCH AT ALL LOW POINTS IN THE DEVELOPMENT ROADWAYS. ALL OTHER CURB PIECES SHALL BE 6-INCH. SEE GRADING PLAN AND UTILITY PLAN FOR GRATE AND TOP OF CURB ELEVATIONS.
3. ALL TYPE 'B' INLETS SHALL HAVE BICYCLE SAFE GRATE.

NOTES:

1. SEE ALTERNATE BACK PLATE DETAIL CD-602-2.5
2. SEE GENERAL NOTE 9, CD-602-1.6
3. THE CLEAR SPACE IN THE CURB OPENING OR EACH INDIVIDUAL CLEAR SPACE IF THE CURB OPENING HAS TWO OR MORE CLEAR SPACES, MUST HAVE AN AREA OF NO MORE THAN SEVEN (7.0) SQUARE INCHES, OR BE NO GREATER THAN TWO (2.0) INCHES ACROSS THE SMALLEST DIMENSION.
4. STORM DRAIN INLET LABEL TO READ "NO DUMPING, DRAINS TO WATERWAYS" OR OTHERWISE APPROVED BY THE RE. INCLUDE FISH LOGOS ON BOTH SIDES OF THE LABEL.
5. FOR 2" CURB PIECE, USE DRIVEWAY ACCESS PLATE - SEE CD-602-2A.1

INLET TYPE "B" CASTING
NOT TO SCALE



BICYCLE SAFE GRATE (CAST IRON)
NOT TO SCALE

COPOLYMER POLYPROPYLENE PLASTIC LADDER RUNG
NOT TO SCALE

GENERAL NOTES:

1. INLETS MAY BE CONSTRUCTED OF BRICK, CONCRETE, CONCRETE BLOCK OR PRECAST CONCRETE. WALLS TO BE 8 INCHES THICK IF BRICK AND 6 INCHES THICK IF CONCRETE, CONCRETE BLOCK OR PRECAST CONCRETE. INLET FOUNDATIONS AND INVERTS TO BE CLASS B CONCRETE.
2. CORBELLING OF INLET WALLS WILL BE PERMITTED AT THE RATE OF ½ INCH PER 8 INCHES OF HEIGHT; MAXIMUM CORBEL 6 INCHES PER WALL.
3. EXCEPT FOR INLETS TYPE A AND C, FOUNDATIONS AND INVERTS TO BE CONSTRUCTED IN TWO STAGES; AND THE BOTTOM OF THE FOOTINGS TO BE 8 INCHES BELOW THE OUTER WALL OF THE LOWEST PIPE IN THE INLET.
4. WHEN THE DEPTH OF AN INLET THAT IS NOT PRECAST EXCEEDS 10 FEET AS MEASURED FROM TOP OF GRATE TO INVERT, WALLS BELOW A DEPTH OF 8 FEET TO BE INCREASED TO 12 INCHES THICK. FOUNDATIONS TO BE INCREASED TWO INCHES FOR EACH FOOT OF ADDITIONAL DEPTH. THE DEPTH OF THE FOUNDATION NOT TO BE INCREASED.
5. PLACE INLET FOUNDATIONS WHICH ARE PRECAST ON A 6 INCH THICK BED OF COMPACTED COARSE AGGREGATE #57. EXTEND THE COARSE AGGREGATE 6 INCHES BEYOND THE HORIZONTAL LIMITS OF THE INLET FOUNDATION.
6. ADJUST CASTINGS FOR PRECAST INLETS TO GRADE WITH COURSES OF BRICK, AS REQUIRED, 12 INCHES MAXIMUM.
7. WHEN THE DEPTH OF A PRECAST INLET EXCEEDS 10 FEET AS MEASURED FROM TOP OF GRATE TO INVERT, THE FOUNDATION IS TO BE INCREASED TO 18 INCHES WHEN ROCK IS ENCOUNTERED. THE DEPTH OF THE FOUNDATION IS NOT TO BE INCREASED.
8. MINIMUM WALL REINFORCEMENT FOR PRECAST INLETS TYPES A, B, C, E, D-1, D-2, AND B MODIFIED:

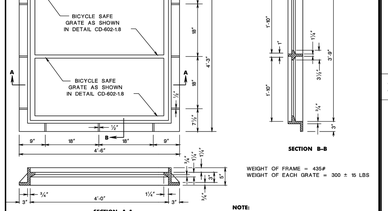
DEPTH BELOW TOP OF GRATE	HORIZONTAL REINF.	VERTICAL REINF.	WALL THK.
0' TO 10'-0"	#10 @ 10" C.C.	#10 @ 18" C.C.	6"
10'-1" TO 15'-0"	#10 @ 8" C.C.	#10 @ 18" C.C.	6"
15'-1" TO 20'-0"	#10 @ 6" C.C.	#10 @ 18" C.C.	6"

REINFORCING SHOWN FOR PRECAST INLETS IS THE MINIMUM REQUIRED. ADDITIONAL REINFORCING FOR HANDLING IS THE RESPONSIBILITY OF THE CONTRACTOR.

ALTERNATE REINFORCEMENT

DEPTH BELOW TOP OF GRATE	
0' TO 10'-0"	WWF 3 x 6 W8 WIRES SPACED AT 3" TO RUN HORIZONTAL IN ALL CASES.
10'-1" TO 15'-0"	WWF 3 x 6 W8 ADD #10 REINFORCEMENT STEEL @ 18" HORIZONTAL.
15'1" TO 20'0"	WWF 3 x 6 W8 ADD #10 REINFORCEMENT STEEL @ 9" HORIZONTAL OR ADD #10 REINFORCEMENT STEEL AT 6" HORIZONTAL.

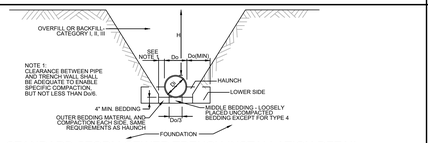
9. DIMENSIONS, WEIGHTS, AND OTHER CRITERIA SHOWN ON THESE DETAILS ARE FOR CLASS 35B CAST IRON.



NOTE:
SEE GENERAL NOTE 9, CD-602-1.6

INLET TYPE "E" CASTING
NOT TO SCALE

CD-602-1.6

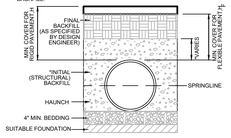


STANDARD STORM SEWER TRENCH INSTALLATION DETAIL

SOILS AND MINIMUM COMPACTION REQUIREMENTS

INSTALLATION TYPE	BEDDING THICKNESS	HAUNCH AND OUTER BEDDING	LOWER SIDE
Type 1	Do/24 minimum; not less than 3 in. If rock foundation, use Do/12 minimum; not less than 6 in.	95% Category I	Undisturbed natural soil with firmness equivalent to the following placed soils; 90% Category I, 85% Category II or 100% Category III or embankment to the same requirements.
Type 2	Do/24 minimum; not less than 3 in. If rock foundation, use Do/12 minimum; not less than 6 in.	90% Category I or 95% Category II	Undisturbed natural soil with firmness equivalent to the following placed soils; 85% Category I, 90% Category II or 95% Category III or embankment to the same requirements.
Type 3	Do/24 minimum; not less than 3 in. If rock foundation, use Do/12 minimum; not less than 6 in.	85% Category I, 90% Category II, or 95% Category III	Undisturbed natural soil with firmness equivalent to the following placed soils; 85% Category I, 90% Category II or 95% Category III or embankment to the same requirements.
Type 4	No bedding required, except if rock foundation, use Do/12 minimum; not less than 6 in.	No compaction required, except if Category III, use 85%	no compaction required, except if Category III, use 85%

1. COMPACTION AND SOIL SYMBOLS, THAT IS, 95% CATEGORY I, REFER TO CATEGORY I SOIL MATERIAL WITH A MINIMUM STANDARD PROCTOR COMPACTION OF 95%.
2. THE TRENCH TOP ELEVATION SHALL BE NO LOWER THAN 0.1 H BELOW FINISHED GRADE OR, FOR ROADWAYS, ITS TOP SHALL BE NO LOWER THAN AN ELEVATION OF 1 FT BELOW THE BOTTOM OF THE PAVEMENT BASE MATERIAL.
3. WHEN THE TRENCH WIDTH SPECIFIED MUST BE EXCEEDED, THE ENGINEER SHALL BE NOTIFIED.
4. SOIL IN BEDDING AND HAUNCH ZONES SHALL BE COMPACTED TO AT LEAST THE SAME COMPACTION SPECIFIED FOR THE MAJORITY OF SOIL IN THE BACKFILL ZONE.
5. THE TRENCH WIDTH SHALL BE WIDER THAN SHOWN IF REQUIRED FOR ADEQUATE SPACE TO ATTAIN THE SPECIFIED COMPACTION IN THE HAUNCH AND BEDDING ZONES.
6. FOR TRENCH WALLS THAT ARE WITHIN 10 DEGREES OF VERTICAL, THE COMPACTION OR FIRMNESS OF THE SOIL IN THE TRENCH WALLS AND LOWER SIDE ZONE NEED NOT BE CONSIDERED. SEE NOTE 3.
7. FOR TRENCH WALLS WITH GREATER THAN 10 DEGREE SLOPES THAT CONSIST OF EMBANKMENT, THE LOWER SIDE SHALL BE COMPACTED TO AT LEAST THE SAME COMPACTION AS SPECIFIED FOR THE SOIL IN THE BACKFILL ZONE. SEE NOTE 3.
8. REQUIRED BEDDING THICKNESS IS THE THICKNESS OF THE BEDDING AFTER THE PLACEMENT OF THE PIPE ON THE BEDDING AND PRIOR TO THE PLACEMENT OF THE BACKFILL.



TYPICAL BACKFILL STRUCTURE
NOT TO SCALE

FOR HDPE PIPES:
INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM 2321 AND THE PIPE SHALL CONFORM TO AASHTO M252, TYPE S FOR 4"-10" DIAMETER, AASHTO M294, TYPE S FOR 12"-60" DIAMETER. A MINIMUM OF 4" BEDDING SHALL BE REQUIRED UNDER PIPE AND A MINIMUM OF 12" TRENCH STABILIZATION SHALL BE REQUIRED UNDER BEDDING IF AND WHEN DIRECTED BY THE TOWNSHIP ENGINEER.

FOR RCP PIPES:
INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM C1479 AND THE PIPE SHALL CONFORM TO ASTM C76, WALL "B". A MINIMUM OF 4" BEDDING SHALL BE REQUIRED UNDER PIPE AND A MINIMUM OF 12" TRENCH STABILIZATION SHALL BE REQUIRED UNDER BEDDING IF AND WHEN DIRECTED BY THE TOWNSHIP ENGINEER.

H_R H_R = 12" (0.15M) FOR PIPE DIAMETERS UP TO 48" (1200MM).
H_R = 24" (0.6M) FOR PIPE DIAMETERS 54" (1350MM) AND 60" (1500MM)

BEDDING = 4" (100MM) MIN.

*INITIAL BACKFILL, TYPE AND AMOUNT ABOVE CROWN VARIES DEPENDING ON ROAD CLASSIFICATION AND IS AVAILABLE ABOVE FOR MATERIAL AND COMPACTION REQUIREMENTS BASED ON PIPE MATERIAL AND APPLICATION.

NOTES:

1. FOOTER AND INVERT TO BE 3000 PSI CONCRETE.
2. PLASTER WALLS INSIDE WITH 1/2" THICK MORTAR TO A SMOOTH FINISH.
3. FOR DEPTH BELOW 6' DOUBLE WALL IS REQUIRED.
4. "DUROWALL" EVERY 2 COURSES
5. CASTING TO BE SET IN A BED OF MORTAR.
6. ALL BACKFILL TO BE DENSE–GRADED AGGREGATE COMPACTED IN 8" LIFTS.

STORM DRAINAGE LAWN INLET
NOT TO SCALE

Advanced Drainage Systems, Inc.

SiteAssist®
FOR STORMTECH INSTALLATION INSTRUCTIONS VISIT OUR WEBSITE

DC-780 STORMTECH CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH DC-780.
2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
4. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
5. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
6. CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (+/- MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
7. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 500 LBS/FT/%, THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418, AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
8. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
   - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
   - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
   - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.
10. MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECHNICAL NOTE 6.30 FOR MANIFOLD SIZING GUIDANCE. DUE TO THE ADAPTATION OF CHAMBERS AND END CAPS TO SKEWS AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
11. ADS DOES NOT DESIGN OR PROVIDE MEMBRANE LINER SYSTEMS. TO MINIMIZE THE LEAKAGE POTENTIAL OF LINER SYSTEMS, THE MEMBRANE LINER SYSTEM SHOULD BE DESIGNED BY A KNOWLEDGEABLE GEOTEXTILE PROFESSIONAL AND INSTALLED BY A QUALIFIED CONTRACTOR.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE DC-780 CHAMBER SYSTEM

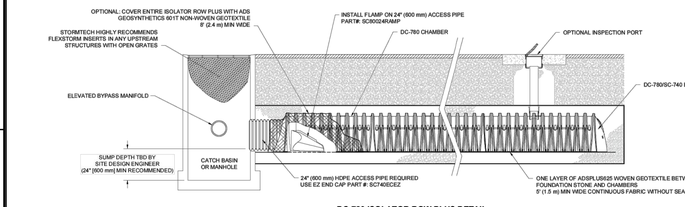
1. STORMTECH DC-780 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH DC-780 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION GUIDE".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
   - STONE/SOIL BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
   - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR OR A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE; AASHTO M43 #3, 357, 4, 467, 5, 56, OR 57.
8. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
9. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

1. STORMTECH DC-780 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION GUIDE".
2. THE USE OF CONSTRUCTION EQUIPMENT OVER DC-780 CHAMBERS IS LIMITED:
   - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
   - NO RUBBER TIRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION GUIDE".
   - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION GUIDE".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

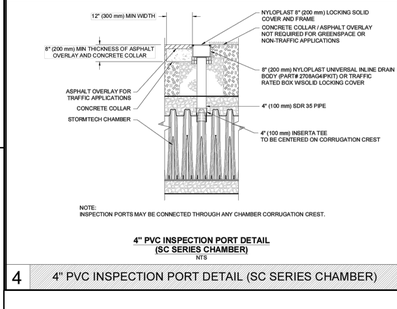
USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-800-821-6710 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.



DC-780 ISOLATOR ROW PLUS DETAIL
NTS

3 DC-780 ISOLATOR ROW PLUS DETAIL



4" PVC INSPECTION PORT DETAIL (SC SERIES CHAMBER)
NTS

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR PLUS ROWS
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

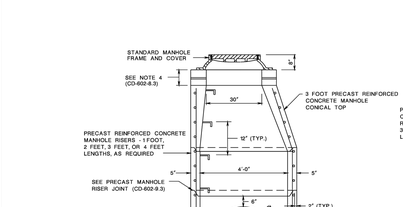
STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

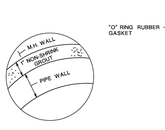
1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

4 4" PVC INSPECTION PORT DETAIL (SC SERIES CHAMBER)

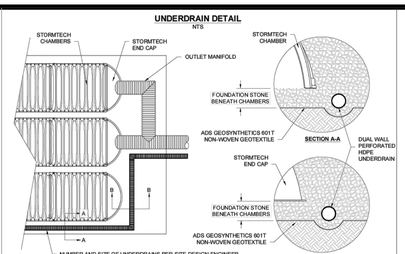


GENERAL NOTES:

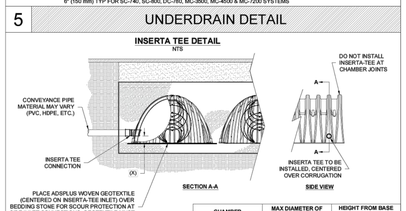
1. MANHOLE FRAME AND COVER WITH LIFTING HANDLES CAMPBELL FOUNDRY PATTERN NO. 10120, OR APPROVED EQUAL WITH "STORM" CAST IN LID.
2. WHEN THE DEPTH OF A MANHOLE EXCEEDS 10 FEET AS MEASURED FROM TOP OF COVER TO INVERT, THE WALLS OF BRICK, CONCRETE, OR CONCRETE BLOCK BELOW A DEPTH OF 8 FEET TO BE 12 INCHES THICK. THE OVERALL HORIZONTAL DIMENSIONS TO BE INCREASED 12 INCHES AND THE FOUNDATION TO BE 18 INCHES THICK WHEN ROCK IS ENCOUNTERED. THE DEPTH OF THE FOUNDATION IS NOT TO BE INCREASED. THE THICKNESS OF PRECAST CONCRETE MANHOLE WALLS DOES NOT HAVE TO BE INCREASED IF THE DEPTH OF THE MANHOLE EXCEEDS 10 FEET.
3. ADJUST CASTINGS OF PRECAST MANHOLES TO GRADE WITH COURSES OF BRICK OR CONCRETE BLOCK, AS REQUIRED, 12 INCHES MAXIMUM.
4. AS AN ALTERNATE TO THE STANDARD MANHOLE FROM AND COVER, A 39 INCH DIAMETER FRAME WITH 4 INCHES FLANGE MAY BE FURNISHED WITH ALL OTHER DIMENSIONS AND WEIGHTS REMAINING THE SAME.
5. IN A BRICK, CONCRETE, OR CONCRETE BLOCK MANHOLE, CONSTRUCT THE INVERT IN TWO STAGES.
6. AS AN ALTERNATIVE, COPOLYMER POLYPROPYLENE PLASTIC LADDER RUNGS MAY BE FURNISHED IN PRECAST MANHOLES AND INLETS.

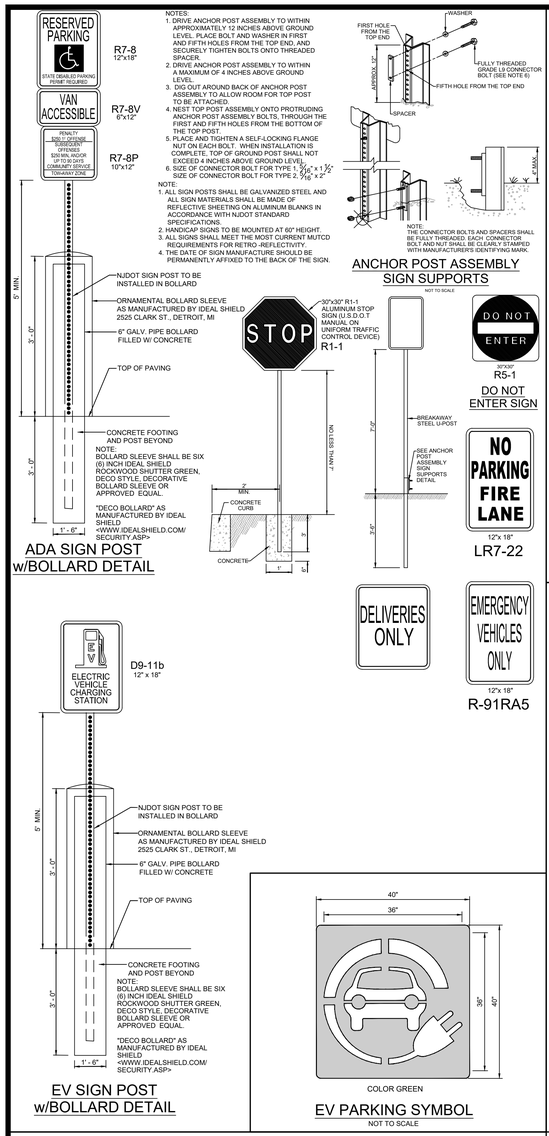


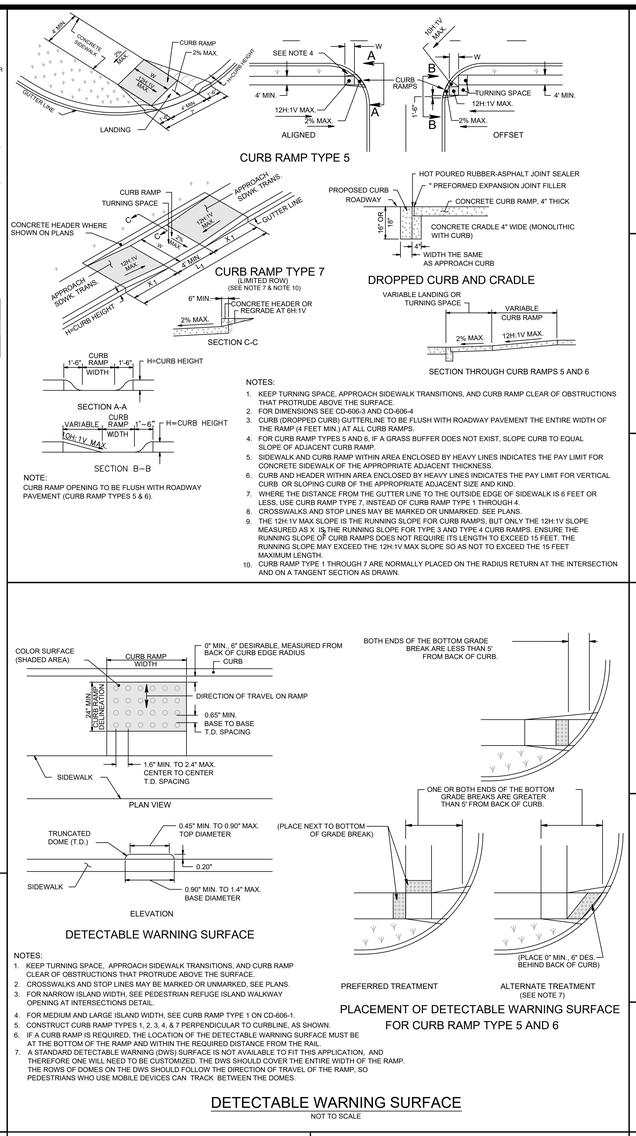
UNDERDRAIN DETAIL
NTS

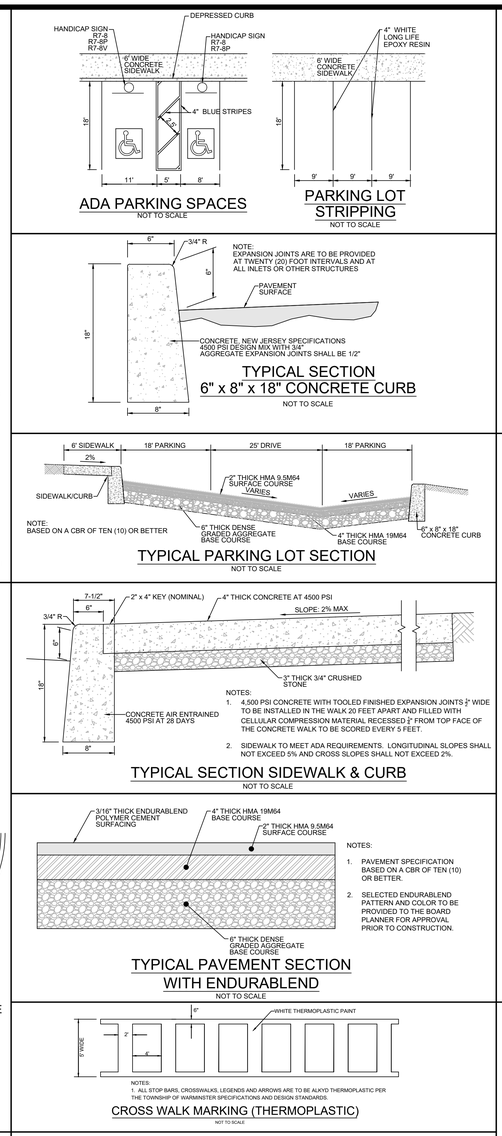


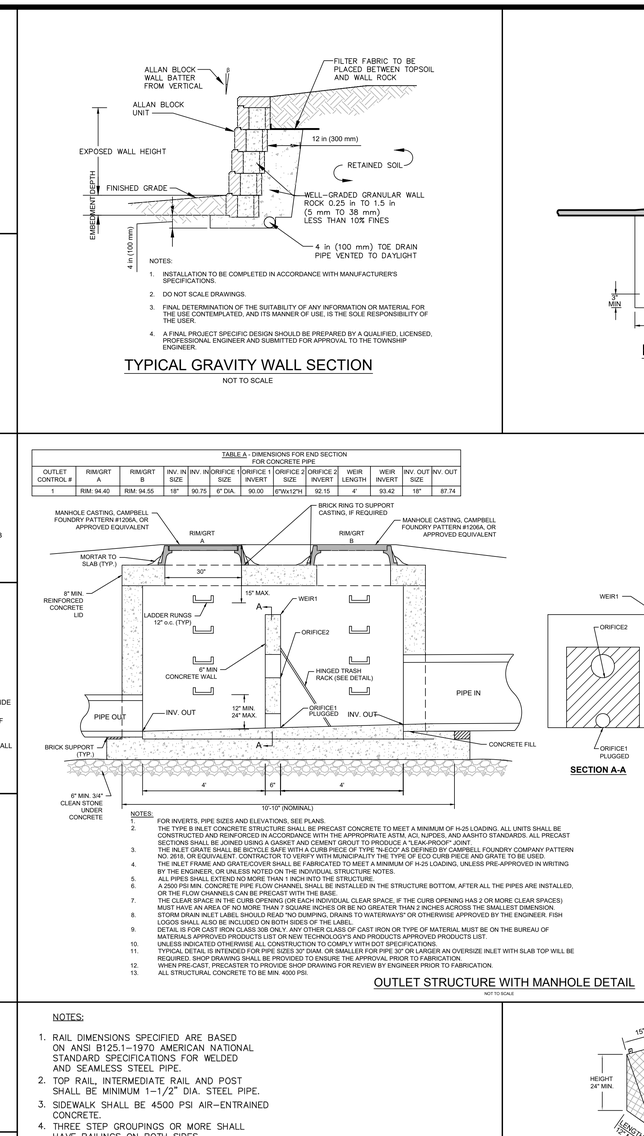
5 UNDERDRAIN DETAIL

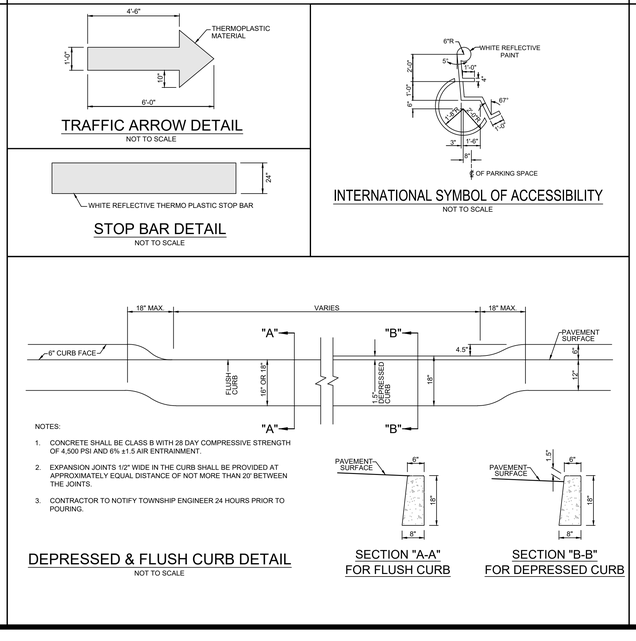

INSERTA TEE DETAIL
NTS
CONVEYANCE PIPE MATERIAL MAY VARY (PVC, HDPE, ETC.)
INSERTA TEE CONNECTION
PLACE ADSPLUS WOVEN GEOTEXTILE (CENTERED ON INSERTA TEE INLET) OVER BEDDING STONE FOR SCOUR PROTECTION AT SIDE INLET CONNECTIONS. GEOTEXTILE MUST EXTEND 6" (150 mm) PAST CHAMBER FOOT
SECTION A-A
DO NOT INSTALL INSERTA-TEE AT CHAMBER JOINTS
INSERTA TEE TO BE INSTALLED CENTERED O











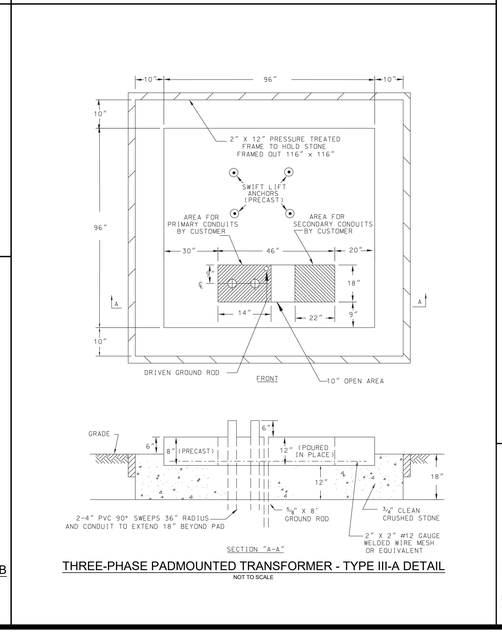
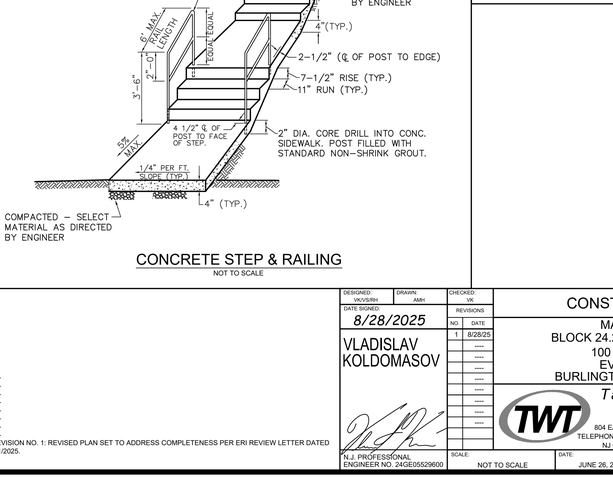


TABLE A - DIMENSIONS FOR END SECTION FOR CONCRETE PIPE

OUTLET CONTROL #	RIM/GRT A	RIM/GRT B	INV. IN SIZE	INV. IN	ORIFICE 1 SIZE	ORIFICE 1 INVERT	ORIFICE 2 SIZE	ORIFICE 2 INVERT	WEIR LENGTH	WEIR INVERT	INV. OUT SIZE	INV. OUT
1	RIM: 94.40	RIM: 94.55	18"	90.75	6" DIA.	90.00	6"W x12"H	92.15	4'	93.42	18"	87.74



NOTES:
1. RAIL DIMENSIONS SPECIFIED ARE BASED ON ANSI B125.1–1970 AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR WELDED AND SEAMLESS STEEL PIPE.
2. TOP RAIL, INTERMEDIATE RAIL AND POST SHALL BE MINIMUM 1–1/2" DIA. STEEL PIPE.
3. SIDEWALK SHALL BE 4500 PSI AIR–ENTRAINED CONCRETE.
4. THREE STEP GROUPINGS OR MORE SHALL HAVE RAILINGS ON BOTH SIDES.
5. TWO STEP GROUPINGS SHALL BE SEPARATED BY A MINIMUM REACH OF 4 FT.
6. PROVIDE PREFORMED BITUMINOUS EXPANSION JOINTS 1/2" THICK, AT 20' (MAX.) INTERVALS.
7. PROVIDE DUMMY JOINTS (FORMED) AT INTERVALS EQUAL TO THE SIDEWALK WIDTH BETWEEN EXPANSION JOINTS.

REVISION NO. 1: REVISED PLAN SET TO ADDRESS COMPLETENESS PER ERI REVIEW LETTER DATED 8/1/2025.

DESIGNED: VK/VS/RH	DRAWN: AMH	CHECKED: VK
DATE SIGNED: 8/28/2025		REVISIONS

NO.	DATE
1	8/28/25

VLADISLAV KOLDOMASOV
N.J. PROFESSIONAL ENGINEER NO. 24GE05529600

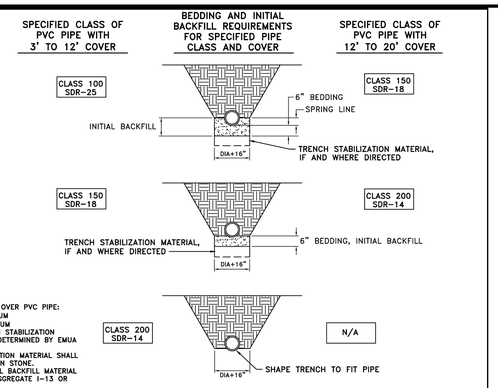
CONSTRUCTION DETAILS
MARLTON CROSSING
BLOCK 24.21, LOT 3, TAX MAP SHEET 4
100 CENTRE BOULEVARD
EVESHAM TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

Taylor Wiseman & Taylor
ENGINEERS / SURVEYORS / SCIENTISTS
SUBSURFACE UTILITY ENGINEERING
804 EAST GATE DRIVE, SUITE 100, MOUNT LAUREL, NJ 08054
TELEPHONE: (856) 235-7200 FAX: (856) 722-9250 www.taylorwiseman.com
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28032900

SCALE:	DATE:	DRAWING NO.	SHEET:
NOT TO SCALE	JUNE 26, 2025	025-07380-SP	23 of 26

Date: Aug 28, 2025, 10:04am

User ID: Haug File: Q:\CAD\07380_100 Centre Blvd\Engineering\PLANS\023-CD.dwg CONSTRUCTION DETAILS

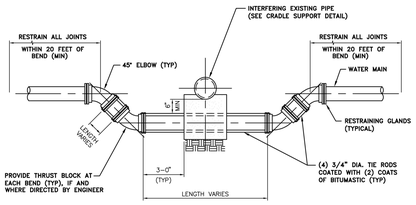


NOTES:

1. DEPTH OF COVER OVER PVC PIPE: 3'-0" MINIMUM 20'-0" MAXIMUM
2. DEPTH OF TRENCH STABILIZATION MATERIAL TO BE DETERMINED BY EMUA ENGINEER.
3. TRENCH STABILIZATION MATERIAL SHALL BE NO. 57 BROKEN STONE.
4. BACKFILL & INITIAL BACKFILL MATERIAL SHALL BE SOIL AGGREGATE I-13 OR EQUIVALENT.

NO.	DATE	REVISIONS
2	4/18	UPDATED MATERIAL SPECIFICATIONS
1	12/95	ADDED MATERIAL SPECIFICATION

EVESHAM MUNICIPAL UTILITIES AUTHORITY | PVC GRAVITY SEWER MAIN AND LATERAL TRENCHING/BEDDING | DATE: 1995 | DWG BY: BAA | SHEET NO. 1S

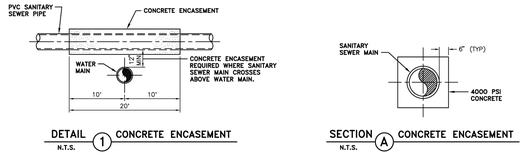


NOTE:

SANITARY MAINS SHALL BE CONCRETE ENCASED WHERE LOCATED CLOSER THAN 10 FEET TO A WATER MAIN.

NO.	DATE	REVISIONS

EVESHAM MUNICIPAL UTILITIES AUTHORITY | WATER MAIN CROSSING/OFFSET | DATE: 1995 | DWG BY: BAA | SHEET NO. 1W

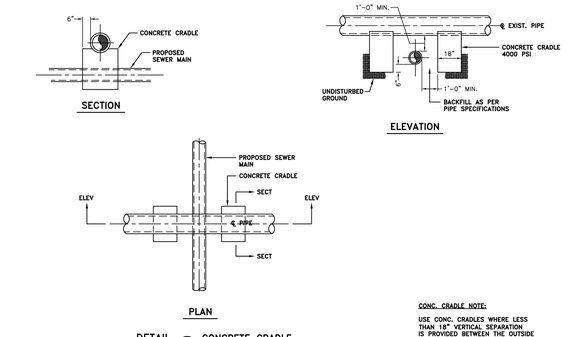


NOTE:

SEWER MAIN CONSTRUCTED WITH DUCTILE IRON PIPE, DOES NOT REQUIRED CONCRETE ENCASEMENT.

NO.	DATE	REVISIONS

EVESHAM MUNICIPAL UTILITIES AUTHORITY | CONCRETE ENCASEMENT | DATE: 1995 | DWG BY: BAA | SHEET NO. 6W

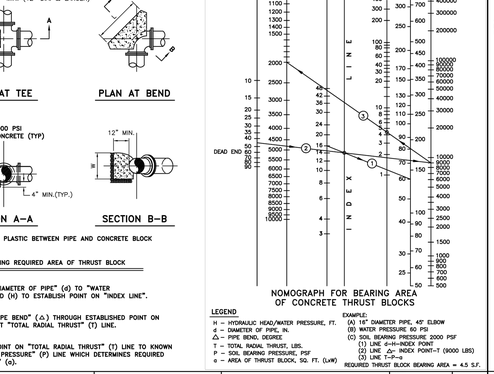


CONC. CRADLE NOTE:

USE CONC. CRADLES WHERE LESS THAN 18" VERTICAL SEPARATION IS PROVIDED BETWEEN THE OUTSIDE WALLS OF THE SEWER MAIN AND ANY PIPE CROSSING ABOVE.

NO.	DATE	REVISIONS

EVESHAM MUNICIPAL UTILITIES AUTHORITY | CONCRETE CRADLE FOR PIPES CROSSING ABOVE SEWER MAINS | DATE: 1995 | DWG BY: BAA | SHEET NO. 15S



NOTES:

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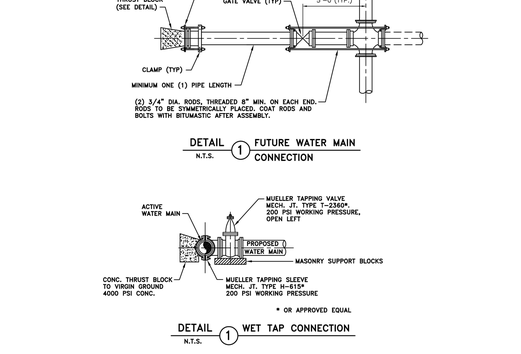
2. DEPTH OF TRENCH STABILIZATION MATERIAL TO BE DETERMINED BY EMUA ENGINEER.
3. TRENCH STABILIZATION MATERIAL SHALL BE NO. 57 BROKEN STONE.
4. BACKFILL & INITIAL BACKFILL MATERIAL SHALL BE SOIL AGGREGATE I-13 OR EQUIVALENT.

NO.	DATE	REVISIONS
2	4/18	UPDATED MATERIAL SPECIFICATIONS
1	12/95	ADDED MATERIAL SPECIFICATION

EVESHAM MUNICIPAL UTILITIES AUTHORITY | PVC GRAVITY SEWER MAIN AND LATERAL TRENCHING/BEDDING | DATE: 1995 | DWG BY: BAA | SHEET NO. 2S

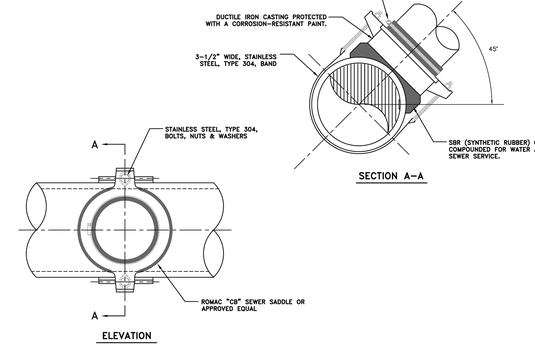


NOTES:

1. USE CONC. CRADLES WHERE LESS THAN 18" VERTICAL SEPARATION IS PROVIDED BETWEEN THE OUTSIDE WALLS OF THE WATER MAIN AND ANY PIPE LARGER THAN 18" CROSSING ABOVE.
2. 2. SANITARY MAINS SHALL BE D.I. PIPE OR CONCRETE ENCASED PVC WHERE LOCATED CLOSER THAN TEN (10) FEET TO A WATER MAIN.

NO.	DATE	REVISIONS

EVESHAM MUNICIPAL UTILITIES AUTHORITY | WATER MAIN PROTECTIVE CRADLE | DATE: 1995 | DWG BY: BAA | SHEET NO. 2W



NOTES:

1. OBSERVATION RISERS SHALL BE INSTALLED ON ALL SANITARY LATERALS AT LOCATIONS APPROVED BY THE AUTHORITY ENGINEER.
2. USE OF A 4" HOUSE LATERAL REQUIRES THAT A 4"x6" ECCENTRIC INCREASER BE USED PRIOR TO THE 6"x6" TEE-WYE TO TRANSITION FROM 4" DIA TO 6" DIA. PVC LATERAL.

NO.	DATE	REVISIONS

EVESHAM MUNICIPAL UTILITIES AUTHORITY | SANITARY LATERAL OBSERVATION RISER | DATE: 1995 | DWG BY: BAA | SHEET NO. 7S

EVESHAM M.U.A. NOTES:

1. ALL MATERIALS, METHODS AND DETAILS OF CONSTRUCTION FOR SANITARY SEWER AND WATER DISTRIBUTION SYSTEMS SHALL CONFORM TO THE REGULATIONS OF THE MUNICIPAL UTILITIES AUTHORITY
2. THE CONTRACTOR(S) SHALL DETERMINE THE LOCATION OF EXISTING STRUCTURES AND UTILITIES ABOVE AND BELOW GROUND BEFORE BEGINNING CONSTRUCTION IN ORDER TO AVOID INTERFERENCE WITH SAME.
3. ALL WATER MAINS AND FIRE SERVICE MAINS TO BE CEMENT LINED DUCTILE IRON PIPE CONFORMING TO AWWA C151, PUSH-ON, PUSH-ON RESTRAINED OR MECHANICAL JOINT; 4" THROUGH 12" - PRESSURE CLASS 350 OR PVC CONFORMING TO AWWA C900; 4" THROUGH 12" DR-18 - PRESSURE CLASS 235.
4. ALL SANITARY SEWER GRAVITY MAINS AND LATERALS TO BE POLYVINYL CHLORIDE PIPE, SDR-35, CONFORMING TO ASTM D3034 WITH PUSH-ON JOINTS OR NON-CEMENT LINED DUCTILE IRON CONFORMING TO AWWA C151, PUSH-ON, PRESSURE CLASS 350.
5. PROVIDE TEN FOOT (10') MINIMUM HORIZONTAL SEPARATION BETWEEN SANITARY SEWER MAINS AND WATER MAINS OR LOCATE WATER MAIN EIGHTEEN INCHES (18") ABOVE SEWER MAIN IN A SEPARATE TRENCH. MINIMUM VERTICAL CLEARANCE BETWEEN WATER MAINS AND OTHER PIPES SHALL BE NO LESS THAN TWELVE INCHES (12").
6. AT SANITARY SEWER MAIN AND WATER MAIN CROSSINGS, CONSTRUCT SANITARY SEWER MAIN AT A MINIMUM OF EIGHTEEN INCHES (18") BELOW WATER MAIN OR ENCASE SANITARY SEWER MAIN IN CONCRETE SIX INCHES (6") THICK FOR A DISTANCE OF TEN FEET (10') ON BOTH SIDES OF WATER MAIN. DUCTILE IRON PIPE MAY BE SUBSTITUTED FOR CONCRETE ENCASEMENT.
7. PROVIDE EIGHTEEN INCHES (18") OF CLEARANCE BETWEEN STORM DRAINS CROSSING PVC SANITARY SEWER MAINS OR CONSTRUCT CONCRETE CRADLE. MINIMUM VERTICAL CLEARANCE SHALL BE NO LESS THAN TWELVE INCHES (12"). OR PROVIDE TWELVE INCHES (12") OF CLEARANCE BETWEEN STORM DRAINS CROSSING D.I. SANITARY SEWER MAINS OR CONSTRUCT CONCRETE CRADLE. MINIMUM VERTICAL CLEARANCE SHALL BE NO LESS THAN SIX INCHES (6").
8. PROVIDE 4'-0" MINIMUM COVER OVER WATER MAINS AND PROVIDE 3'-0" MINIMUM COVER OVER SEWER LATERALS AT THE CURB LINE.
9. MANHOLE RIMS AND VALVE BOX COVERS SHALL BE SET FLUSH WITH STABILIZED BASE COURSE. AT THE TIME OF FINAL SURFACE PAVING, VALVE BOX COVERS SHALL BE RAISED AND MANHOLE RIMS SHALL BE EXTENDED WITH CAMPBELL FOUNDRY MANHOLE EXTENSION RINGS TO MEET FINISHED PAVEMENT GRADE.
10. FIRE HYDRANT LOCATIONS SHALL BE APPROVED BY THE FIRE MARSHALL.
11. A BLANKET EASEMENT SHALL BE ESTABLISHED TO PERMIT THE SERVICING OF UTILITIES FOR COMMERCIAL AND CONDOMINIUM SITES.
12. LOCATE WATER METER INSIDE THE BUILDING AND MUST BE RADIO READ TYPE. COORDINATE WITH EVESHAM MUNICIPAL UTILITIES AUTHORITY.
13. ALL WATER MAIN GATE VALVES TO BE MUELLER A-2360 RESILIENT WEDGE OR APPROVED EQUAL. VALVES SHALL OPEN COUNTERCLOCKWISE AND BE SUPPLIED WITH BONNET & STUFFING BOX NUTS & BOLTS CONSTRUCTED OF 316 STAINLESS STEEL.
14. WATER AND SANITARY SEWER UTILITIES SHALL BE PRIVATELY OWNED AND MAINTAINED.

NOTE: INSTALL PLASTIC BETWEEN PIPE AND CONCRETE BLOCK

PROCEDURE FOR CALCULATING REQUIRED AREA OF THRUST BLOCK

STEP (1)
CONSTRUCT LINE FROM "DIAMETER OF PIPE" (d) TO "WATER PRESSURE/HYDRAULIC HEAD (H) TO ESTABLISH POINT ON "INDEX LINE".

STEP (2)
CONSTRUCT LINE FROM "PIPE BEND" (△) THROUGH ESTABLISHED POINT ON "INDEX LINE" TO INTERSECT "TOTAL RADIAL THRUST" (T) LINE.

STEP (3)
CONSTRUCT LINE FROM POINT ON "TOTAL RADIAL THRUST" (T) LINE TO KNOWN POINT ON "SOIL BEARING PRESSURE" (P) LINE WHICH DETERMINES REQUIRED "AREA OF THRUST BLOCK" (a).

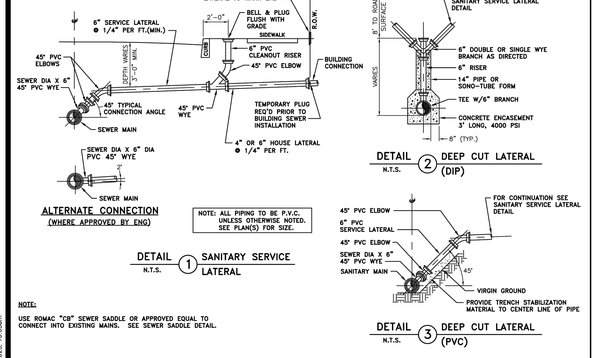
NOMOGRAPH FOR BEARING AREA OF CONCRETE THRUST BLOCKS

LEGEND
H – HYDRAULIC HEAD/WATER PRESSURE, FT.
d – DIAMETER OF PIPE, IN.
△ – PIPE BEND, DEGREE
T – TOTAL RADIAL THRUST, LBS.
P – SOIL BEARING PRESSURE, PSF
a – AREA OF THRUST BLOCK, SQ. FT. (L×W)

EXAMPLE:
(A) 16" DIAMETER PIPE, 45° ELBOW
(B) WATER PRESSURE 60 PSI
(C) SOIL BEARING PRESSURE 2000 PSF
(1) LINE d=16-INDEX POINT
(2) LINE △= INDEX POINT-T (9000 LBS)
(3) LINE T-P=a
REQUIRED THRUST BLOCK BEARING AREA = 4.5 S.F.

NO.	DATE	REVISIONS
1	7/19	UPDATED SEWER SADDLE NOTE

EVESHAM MUNICIPAL UTILITIES AUTHORITY | THRUST BLOCK DETAIL FOR WATER MAIN | DATE: 1995 | DWG BY: BAA | SHEET NO. 3W



NOTE:

USE ROMAC "CB" SEWER SADDLE OR APPROVED EQUAL TO CONNECT INTO EXISTING MAINS. SEE SEWER SADDLE DETAIL.

NO.	DATE	REVISIONS

EVESHAM MUNICIPAL UTILITIES AUTHORITY | SANITARY SEWER SERVICE LATERAL | DATE: 1995 | DWG BY: BAA | SHEET NO. 8S

NOTES:

1. INSTALL HIGH DENSITY POLYETHYLENE MANHOLE INSERTS WITH VENTILATION VALVE AND HEAVY DUTY NYLON LIFTING STRAPS.
2. COAT SURFACES OF MANHOLE RUNGS TO BE IMBEDDED IN CONCRETE WITH BITUMINUS OR APPROVED EPOXY.

NO.	DATE	REVISIONS
1	3/04	UPDATED TAPPING VALVE MODEL NO.

EVESHAM MUNICIPAL UTILITIES AUTHORITY | FUTURE WATER MAIN AND FUTURE WET TAP CONNECTIONS | DATE: 1995 | DWG BY: BAA | SHEET NO. 5W

NO.	DATE	REVISIONS

EVESHAM MUNICIPAL UTILITIES AUTHORITY | PRECAST CONCRETE SANITARY SEWER MANHOLE (48" DIAMETER) | DATE: 1995 | DWG BY: BAA | SHEET NO. 3S

NO.	DATE	REVISIONS
1	5/15/08	REVISED HYDRANT NOTE
1	5/10/08	REVISED HYDRANT NOTE

EVESHAM MUNICIPAL UTILITIES AUTHORITY | FIRE HYDRANT CONNECTION | DATE: 1995 | DWG BY: BAA | SHEET NO. 7W

NO.	DATE	REVISIONS
1	5/19	UPDATED SEWER SADDLE

EVESHAM MUNICIPAL UTILITIES AUTHORITY | SEWER SADDLE | DATE: 1995 | DWG BY: BAA | SHEET NO. 13S

REVISION NO. 1: REVISED PLAN SET TO ADDRESS COMPLETENESS PER ERI REVIEW LETTER DATED 8/1/2025.

DESIGNED: VK/VS/RH	DRAWN: AMH	CHECKED: VK

DATE SIGNED: 8/28/2025

VLADISLAV KOLDOMASOV

N.J. PROFESSIONAL ENGINEER NO. 24GE05529600

NO.	DATE	REVISIONS
1	8/28/25	

E.M.U.A. CONSTRUCTION DETAILS

MARLTON CROSSING
BLOCK 24.21, LOT 3, TAX MAP SHEET 4
100 CENTRE BOULEVARD
EVESHAM TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

Taylor Wiseman & Taylor
ENGINEERS / SURVEYORS / SCIENTISTS
SUBSURFACE UTILITY ENGINEERING
804 EAST GATE DRIVE, SUITE 100, MOUNT LAUREL, NJ 08054
TELEPHONE: (856) 235-7200 FAX: (856) 722-9250 www.taylorwiseman.com
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28032900

SCALE:	DATE:	DRAWING NO.	SHEET:
NOT TO SCALE	JUNE 26, 2025	025-07380-SP	24 OF 26

Date: Aug 28, 2025, 10:05am

User ID: Haug File: Q:\CAD\07380_100 Centre Blvd\Engineering\PLANS\024-CD.dwg E.M.U.A. CONSTRUCTION DETAILS

MARLTON PIKE WEST
(R.O.W. WIDTH VARIES)
MARLTON PIKE

MARLTON PIKE

MARLTON PIKE

R.O.W. LINE

CENTERLINE

R.O.W. LINE

CENTRE BLVD.

CENTRE BLVD.

STEPS

STEPS

BLOCK 24.02
LOT 1

KIPS CT.
(PRIVATE)

KIPS CT.

BLOCK 24.01
LOT 1

FIRE TRUCK

FIRE TRUCK

FIRE TRUCK

FIRE TRUCK

FIRE TRUCK

FIRE TRUCK

FIRE TRUCK

TRASH TRUCK

BLOCK 24.21
LOT 3

BLOCK 24.21
LOT 2

N.J.S.F.S.
HDP 88 (2011)

CENTRE BOULEVARD
(66' WIDE R.O.W.)

CENTERLINE

R.O.W. LINE

JAMES CT.
(PRIVATE)

HUNTER CT.

R.O.W. LINE

HUNTER CT.
(PRIVATE)

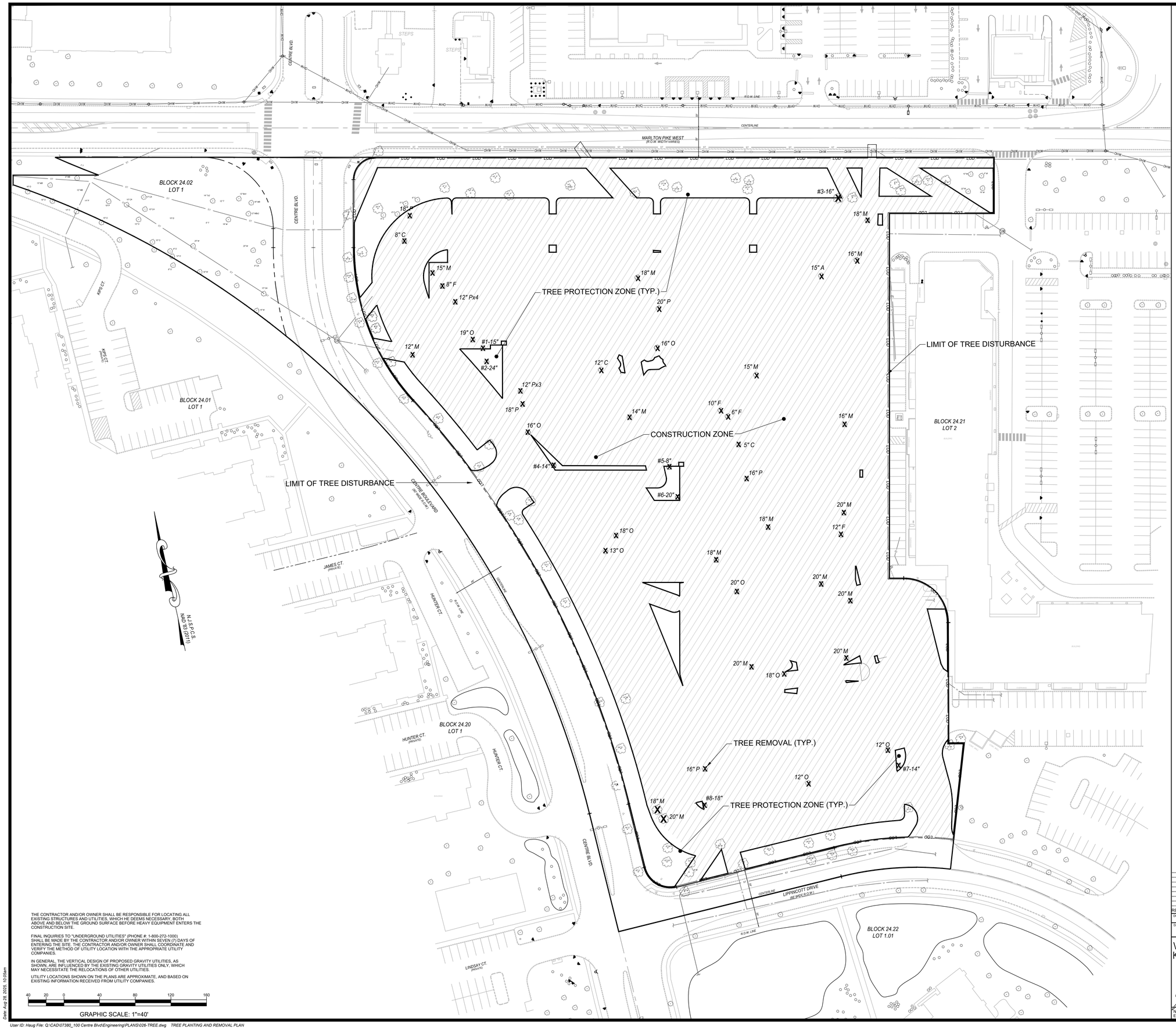
BLOCK 24.20
LOT 1

HUNTER CT.

TRASH TRUCK

TRASH TRUCK

TRASH TRUCK



TREE REMOVAL DATA		
KEY	SPECIES	CALIPER (INCHES)
1	BRADFORD PEAR	15
2	PIN OAK	24
3	PIN OAK	16
4	LITTLELEAF LINDEN	14
5	FLOWERING CHERRY	8
6	RED MAPLE	20
7	PIN OAK (POOR CONDITION)	12
8	PIN OAK	18
TOTAL CALIPER INCHES REMOVED:		127

TOTAL OF 8 TREES, COMPRISING 127 INCHES OF CALIPER, TO BE REMOVED FROM THE TREE PROTECTION ZONE. REPLACEMENT TREE RATE IS 1" CALIPER REPLANTED AT 3 INCHES FOR EVERY 1" CALIPER REMOVED :

127 INCHES OF CALIPER / 3 INCHES = 42 REPLACEMENT TREES REQUIRED

42 REQUIRED COMPENSATORY TREES ARE OUTSTANDING. OWNER TO WORK WITH THE TOWNSHIP TO SATISFY REQUIREMENT.

THE CONTRACTOR AND/OR OWNER SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING STRUCTURES AND UTILITIES, WHICH HE DEEMS NECESSARY, BOTH ABOVE AND BELOW THE GROUND SURFACE BEFORE HEAVY EQUIPMENT ENTERS THE CONSTRUCTION SITE.

FINAL INQUIRIES TO "UNDERGROUND UTILITIES" (PHONE #: 1-800-272-1000) SHALL BE MADE BY THE CONTRACTOR AND/OR OWNER WITHIN SEVEN (7) DAYS OF ENTERING THE SITE. THE CONTRACTOR AND/OR OWNER SHALL COORDINATE AND VERIFY THE METHOD OF UTILITY LOCATION WITH THE APPROPRIATE UTILITY COMPANIES.

IN GENERAL, THE VERTICAL DESIGN OF PROPOSED GRAVITY UTILITIES, AS SHOWN, ARE INFLUENCED BY THE EXISTING GRAVITY UTILITIES ONLY, WHICH MAY NECESSITATE THE RELOCATIONS OF OTHER UTILITIES.

UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE, AND BASED ON EXISTING INFORMATION RECEIVED FROM UTILITY COMPANIES.

40 20 0 40 80 120 160

GRAPHIC SCALE: 1"=40'

REVISION NO. 1: REVISED PLAN SET TO ADDRESS COMPLETENESS PER ERI REVIEW LETTER DATED 8/1/2025.

DESIGNED: VKV/SRH	DRAWN: AMH	CHECKED: VK	
DATE SIGNED: 8/28/2025		REVISIONS NO.	DATE:
VLADISLAV KOLDOMASOV		1	8/28/25

N.J. PROFESSIONAL ENGINEER NO. 24GE05529600

TREE PLANTING AND REMOVAL PLAN

MARLTON CROSSING
BLOCK 24.21, LOT 3, TAX MAP SHEET 4
100 CENTRE BOULEVARD
EVESHAM TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

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NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28032900

SCALE:	DATE:	DRAWING NO.	SHEET:
1"=40'	JUNE 26, 2025	025-07380-SP	26 OF 26

Date: Aug 28, 2025, 10:05am

User ID: Haug File: Q:\CAD\07380_100 Centre Blvd\Engineering\PLANS\026-TREE.dwg TREE PLANTING AND REMOVAL PLAN