TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY
2025 MILLING AND RESURFACING PROGRAM

UTILITIES

ELECTRIC
PUBLIC SERVICE ELECTRIC AND GAS CO.
472 WESTON CANAL ROAD
SOMERSET, NJ 08873
ATTN : JASON HESS
(732) 764–3158

CABLE
COMCAST CABLE
800 RAHWAY AVENUE
UNION, NJ 07083
ATTN: PHILIP GIBSON
(908) 624–6779

WATER
MIDDLESEX WATER COMPANY
ENGINEERING DEPARTMENT
1500 RONSON ROAD, P.O. BOX 1500
ISELIN, NJ 08830–0452
ATTN: ISIDRO BUEN
(732) 638–7533

TELEPHONE/COMMUNICATIONS
VERIZON–NEW JERSEY, INC.
999 WEST MAIN STREET
FREEHOLD, NJ 07728
ATTN: IAN CHAN
(224) 713–2566

SANITARY SEWER
TOWNSHIP OF WOODBRIDGE
DIVISION OF ENGINEERING
1 MAIN STREET
WOODBRIDGE, NJ 07095
ATTN: MICHAEL GELIN
(732) 602–6047

GAS
BUCKEYE PARTNERS, LP
9999 HAMILTON BOULEVARD
BREINGSVILLE, PA 18031
ATTN: DAVE A. JONES
(610) 283–1701

ELIZABETHTOWN GAS CO.
520 GREEN LANE
UNION, NJ 07083
ATTN: KEVIN ESCOBAR
(908) 662–8370

MIDDLESEX COUNTY UTILITIES AUTHORITY
2571 MAIN STREET P.O. BOX 1500
SAYREVILLE, NJ 08872
ATTN: KEVIN T. AIELLO
(732) 721–3800

WILLIAM GAS PIPELINE–TRANSCO
99 FARBER ROAD
PRINCETON, NJ 08540
ATTN: KEVIN YUILL
(732) 921–5623

TEXAS EASTERN GAS PIPELINE
501 COOLIDGE STREET
SOUTH PLAINFIELD, NJ 07080
ATTN: RICHARD THORNTON
(908) 821–1803

JOHN E. McCORMAC - MAYOR

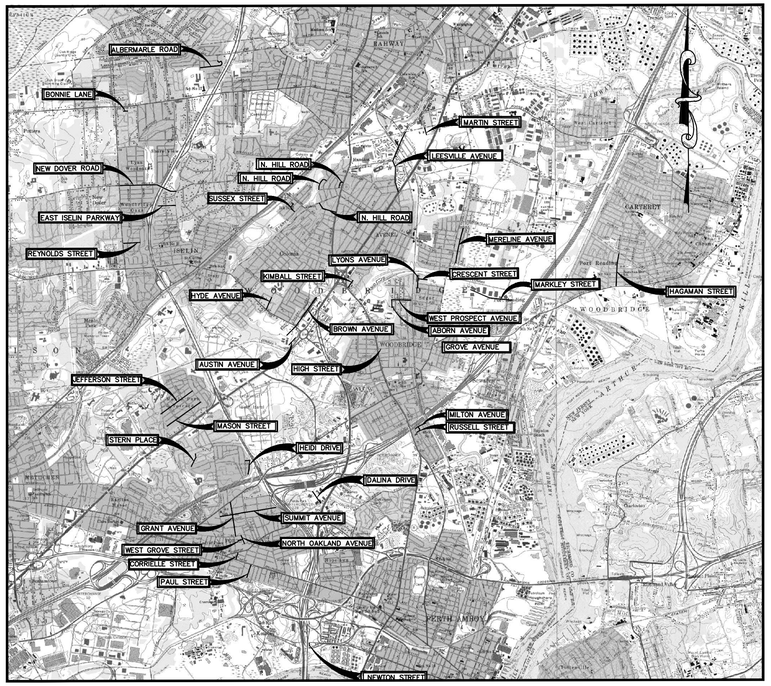
TOWNSHIP COUNCIL

CORY SPILLAR	COUNCIL PRESIDENT
SHARON MCAULIFFE	COUNCIL VICE PRESIDENT
KYLE ANDERSON	COUNCILMAN
HOWIE BAUER	COUNCILMAN
LIZBETH DEJESUS	COUNCILWOMAN
GREGG M. FICARRA	COUNCILMAN
DEBBIE MEEHAN	COUNCILWOMAN
VIRBHADRA N. PATEL	COUNCILMAN
BRIAN SMALL	COUNCILMAN

VITO CIMILLUCA	BUSINESS ADMINISTRATOR
JOHN M. MITCH	MUNICIPAL CLERK
JAMES P. NOLAN, JR., ESQ.	DIRECTOR OF LAW
GEORGE T. BREW	DIRECTOR OF PUBLIC WORKS
MICHAEL GELIN, P.E.	MUNICIPAL ENGINEER

CONTRACT NO. 2025-001

APRIL 2025



LOCATION MAP

SCALE: N.T.S.

NEW JERSEY DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF 2019 AND ALL AMENDMENTS IN CME ASSOCIATES FORMAT THERETO SHALL GOVERN.

THE HEADING OF THE ARTICLES CONTAINED HEREIN CONFORM TO THE NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, DATED 2019 AND ALL ADDENDA THERETO, WHICH IS TO BE USED IN THE EXECUTION OF THIS CONTACT.

THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/TRAFFIC CONTROL/BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS" (2007) TO GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN.

TOTAL LENGTH OF PROJECT = 8.86 MILES

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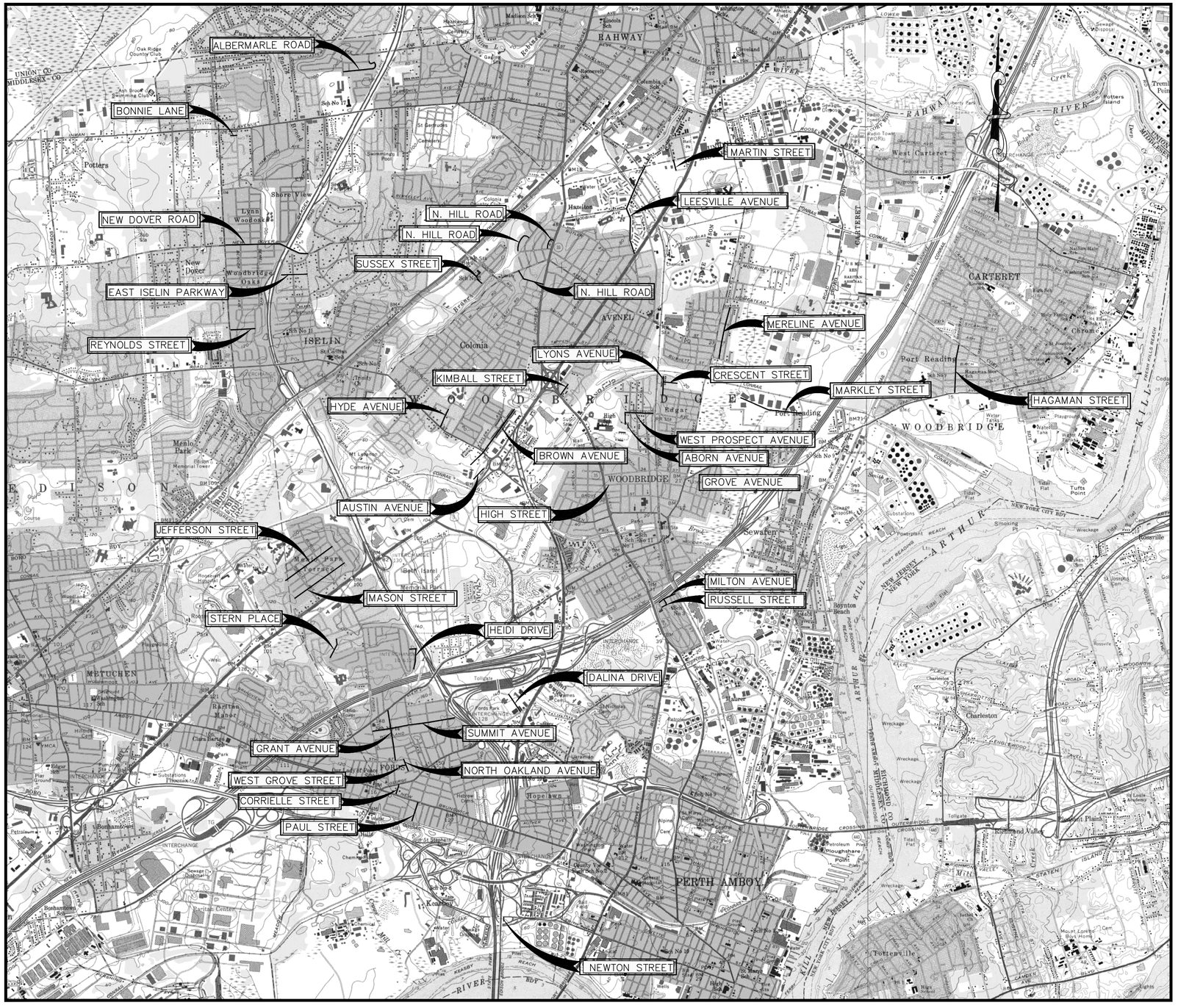
PREPARED BY:

GARY M. OLIVA, P.E.
NEW JERSEY PROFESSIONAL ENGINEER LICENSE No. 47483

CME ASSOCIATES
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3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859 — 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731

PWB0A616.01

TOWNSHIP OF WOODBRIDGE **COUNTY OF MIDDLESEX**



LOCATION PLAN

GRAPHIC SCALE

2000 0 1000 2000 4000 8000

(IN FEET)
1 inch = 2000ft.

GENERAL CONSTRUCTION NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NECESSARY FOR CONSTRUCTION IN ACCORDANCE WITH EXISTING LOCAL, COUNTY, OR STATE REGULATIONS, OR ANY OTHER AGENCY HAVING JURISDICTION IN THESE MATTERS.
2. THE CONTRACTOR IS RESPONSIBLE FOR AND SHALL VERIFY ALL DIMENSIONS AND DETAILS BEFORE PROCEEDING WITH WORK, ANY DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.
3. ALL REGRADED AREAS AT THE SITE WHICH ARE NOT DESIGNATED AS PAVED OR GRAVEL AREAS SHALL BE TOPSOILED AND SEEDED AND SHALL BE STABILIZED IN ACCORDANCE WITH STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY AND THE CONTRACT SPECIFICATIONS.
4. ALL GRADING OPERATIONS SHALL PROVIDE FOR POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS AND STRUCTURES AND SHALL ELIMINATE PONDING AREAS.
5. THE CONTRACTOR SHALL MAKE ALL NECESSARY INVESTIGATIONS TO SATISFY THEMSELVES AS TO THE EXISTING CONDITIONS PRIOR TO BIDDING WORK. WORK INCLUDING THE LOCATION OF EXISTING RESIDENTIAL SPRINKLER SYSTEMS.
6. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE THE LOCATION OF THE UTILITIES WITH THE UTILITY COMPANIES PRIOR TO CONSTRUCTION.
7. THE COORDINATION OF THE LOCATION OR RELOCATION WHERE REQUIRED OF TELEPHONE, CABLE, ELECTRIC, GAS, AND WATER FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR AND SAME SHALL BE COORDINATED TO INSURE COMPLETION WITHIN THE TIME PERMITTED.
8. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN MEANS OF INGRESS AND EGRESS TO RESIDENTS THROUGHOUT THE COURSE OF THE WORK AND TO PROVIDE ADEQUATE MAINTENANCE AND PROTECTION OF TRAFFIC.
9. THE CONTRACTOR'S LICENSED SURVEYOR SHALL PROVIDE THE CONSTRUCTION STAKEOUT FOR THE PROJECT.
10. THE CONTRACTOR WILL NOT BE PERMITTED TO STOCKPILE EXCAVATED MATERIALS OVER EXISTING UTILITY LINES. THE STOCKPILED MATERIALS SHOULD BE PLACED SUFFICIENTLY AWAY FROM THE EDGE OF ANY EXCAVATION TO PREVENT CAVING OF THE TRENCH WALL AND TO PERMIT ACCESS ALONG THE TRENCH. WITH SHEETED TRENCHES, A MINIMUM OF FIVE (5) FEET FROM THE EDGE OF SHEETING TO TOE OF SPOIL BANK MUST BE MAINTAINED.
11. THE CONTRACTOR SHALL TAKE EVERY PRECAUTION NECESSARY TO PRECLUDE DAMAGE TO EXISTING STRUCTURES. FACILITIES, AND UTILITIES DUE TO LOSS OF LATERAL SUPPORT AND/OR CONSTRUCTION LOADINGS. SPECIFIC DETAILS NECESSARY TO ACCOMPLISH SAME SHALL BE SUBMITTED BY THE CONTRACTOR FOR REVIEW AND APPROVAL PRIOR TO COMMENCING CONSTRUCTION.
12. ALL WORK BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE NEW JERSEY STATUTE KNOWN AS CHAPTER 249 OF THE LAWS OF 1948, BEING SECTIONS 34:6-47.1 TO 47.9, INCLUSIVE OF THE REVISED STATUTES OF NEW JERSEY, 1937, AND IN ACCORDANCE WITH THE RULES AND REGULATIONS CONCERNING PRECAUTIONS TO BE TAKEN IN THE PROXIMITY OF HIGH-VOLTAGE LINES FOR THE PREVENTION OF ACCIDENTS PROMULGATED BY THE COMMISSIONER OF THE DEPARTMENT OF LABOR AND INDUSTRY OF THE STATE OF NEW JERSEY, EFFECTIVE DECEMBER 28, 1948, ALL AS AMENDED AND SUPPLEMENTED, AND IN ACCORDANCE WITH THE PROVISIONS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND OF SUBPART N, PARAGRAPH 1926.550 OF THE RULES AND REGULATIONS ISSUED UNDER SAID ACT.
13. THE CONTRACTOR IS HEREIN ADVISED THAT ALL WORK TO BE PERFORMED SHALL BE GOVERNED BY THE LOCAL MUNICIPAL ORDINANCES. THIS SHALL INCLUDE THE PROVISIONS IN THEIR CODES WHICH SET FORTH PERMITTED HOURS OF CONSTRUCTION WITHIN THE MUNICIPALITY.
14. THE CONTRACTOR IS ADVISED THAT THEY ARE RESPONSIBLE TO PAY FOR, ACQUIRE AND COMPLY WITH ANY ROAD OPENING PERMITS IF REQUIRED IN CONJUNCTION WITH THE PROPOSED IMPROVEMENTS.
15. THE CONTRACTOR SHALL COMPLY WITH THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES BY THE U.S.D.O.T.
16. THE CONTRACTOR IS ADVISED THAT THEY MUST MAINTAIN A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES AND MUST COMPLETELY BACKFILL ALL TRENCHES PRIOR TO NON-DAYLIGHT HOURS.
17. IN ORDER TO MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION, THE CONTRACTOR MAY FIND IT NECESSARY TO UTILIZE STEEL PLATES OVER TRENCHES AT NO ADDITIONAL COST TO THE OWNER.
18. WHEN DISTURBING, REMOVING AND/OR DISPOSING OF ASBESTOS CEMENT PIPE. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS INCLUDING BUT NOT LIMITED TO: CURRENT USEPA REGULATIONS (NESHAP, 40 CFR 61 SUBPART M);OSHA REGULATIONS (29 CFR 192658);THE CURRENT NEW JERSEY ASBESTOS HAZARD ABATEMENT SUBCODE (N.J.A.C. 5:23-8); THE CURRENT NJDEPE REGULATIONS (N.J.A.C. 7:26-1 ET. SEQ.); AND NOTIFICATION REGULATIONS (N.J.A.C. 5:23-8.6, 40 CFR 61 SUBPART M, AND N.J.A.C. 7:26-2:12).
19. THE FREEHOLD SOIL CONSERVATION DISTRICT GOVERNS SOIL EROSION AND SEDIMENT CONTROL MEASURES WITHIN THE PROJECT AREA. ACCORDINGLY ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED AS PER THE REQUIREMENTS OF THE FREEHOLD SOIL CONSERVATION DISTRICT AND AS DIRECTED BY THE ENGINEER.
20. AT CERTAIN TIMES THE SITE MAY BE OCCUPIED BY SEVERAL CONTRACTORS AND IT IS THEREFORE REQUIRED FOR ANY AND ALL CONTRACTORS OCCUPYING THE SITE TO COOPERATE WITH ONE ANOTHER. NO DELAYS RESULTING FROM MULTIPLE CONTRACTORS WORKING ON THE SITE WILL BE CONSIDERED.
21. THE CONTRACTOR SHALL CONTINUOUSLY DEWATER ALL EXCAVATIONS UNTIL BACKFILLING OPERATIONS HAVE BEEN COMPLETED, PRIOR TO DISCHARGE TO STREAMS. SILT SHALL BE SETTLED OUT IN AN APPROVED SETTLING BASIN.
22. THE CONTRACTOR SHALL MAINTAIN THE FLOW OF ALL STREAMS, DRAINAGE DITCHES, STORM SEWERS, AND SANITARY SEWERS AT ALL TIMES BY A MEANS ACCEPTABLE TO THE ENGINEER AND ALL THE RESPONSIBLE AGENCIES.
23. THE CONTRACTOR SHALL MAINTAIN ALL UTILITY SERVICE FLOWS AND PRESSURES UNLESS WRITTEN APPROVAL BY THE RESPONSIBLE UTILITY COMPANY PERMITS THEM TO DO OTHERWISE.
24. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE STATE OF NEW JERSEY WORKER HEALTH AND SAFETY ACT (N.J.A.C. 12:110 ET SEQ) AS AMENDED AND THE UNITED STATES OCCUPATIONAL SAFETY & HEALTH ACT (OSHA) (29 CFR 1910.), AS AMENDED WITH REGARD TO WORKER AND JOBSITE SAFETY.
25. ALL MAILBOXES REQUIRING RELOCATION SHALL BE DONE SO IN ACCORDANCE WITH LOCAL POSTAL AUTHORITY REGULATIONS.
26. TREES SHALL BE PLANTED IF AND WHERE DIRECTED BY THE ENGINEER.
27. PRIOR TO WORKING IN THE AREA OF THE ROADWAY ON WHICH THE PROPOSED EASEMENT OR RIGHT OF ENTRY IS REQUIRED, THE CONTRACTOR SHALL VERIFY WITH THE ENGINEER THAT THE SAME HAS BEEN OBTAINED.
28. RESETTING OF EXISTING SIGNS SHALL BE WITH BREAKAWAY STEEL U-POST IN ACCORDANCE WITH NJDOT STANDARD DETAILS.

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

LOCATION PLAN AND CONSTRUCTION NOTES

REGISTER NO.

FILE NO. PWB0A616.01

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
(732) 727 8000 (732) 462 7400
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	DATE	DRAWING NUMBER
As Shown	April 2025	LP-1
DRAWN BY: FD	DESIGNED BY: FD	
CHECKED BY: GO	SHEET: 2 of 69	LP-1

TOWNSHIP OF WOODBRIDGE

COUNTY OF MIDDLESEX

PERMANENT VEGETATIVE MIXTURES, PLANTING RATES AND PLANTING DATES [1]

SEED MIXTURE [2]	PLANTING RATE [3]		PLANTING DATES: O = OPTIMAL PLANTING PERIOD		A = ACCEPTABLE PLANTING PERIOD				MAINTENANCE LEVEL [4]	REMARKS
			PLANT HARDINESS ZONE							
	LBS/ACRE	LBS/1000 SQ. FT	ZONE 5B, 6A	ZONE 6B, 7A	ZONE 6B		ZONE 7A, 7B			
			3/15 - 5/31	3/1 - 7/31	3/1 - 3/31	9/1 - 10/31	3/1 - 4/30	9/15 - 10/31		
WARM SEASON SEED MIXTURES										
1A. FOR PINELANDS NATIONAL RESERVE SEED MIXTURES SEE TABLE A-1 PAGE 4-17 OF NJ BCSC STANDARDS			O	O			O	O		
1. SWITCHGRASS AND/OR COASTAL PANICGRASS PLUS CP FLATPEA	15 15 20	.35 .35 .45	O	O			O	O	C-D	
2. DEERTONGUE SWITCHGRASS REDTOP	15 20 1	.35 .45 .1	O	O			O	O	C-D	USE DEERTONGUE IF PINHILS: SWITCHGRASS IS SUPERIOR WILDLIFE PLANT, USE FOR WATERWAYS, REDTOP PROVIDES QUICK COVER.
3. SWITCHGRASS DEERTONGUE LITTLE BLUESTEM SHEEP FESCUE PILLS PURITRACE PEA	15 10 20 50 30	.35 .25 .45 1.25 .25	O	O			O	O	C-D	PINELANDS MIXTURE
4. SWITCHGRASS BIG BLUESTEM LITTLE BLUESTEM SAND LOVEGRASS COASTAL PANICGRASS	5 5 4 10	.10 .10 .10 .25	O	O			O	O	C-D	NATIVE WARM SEASON MIXTURE
5. BERMUDAGRASS ZOYSIAGRASS (SEED) ZOYSIAGRASS (SPRIGS)	15 30	.35 .70	O	O			O	O	A-D	BERMUDAGRASS WAS SUPERIOR SALT TOLERANCE. ZOYSIA WAS GREATER WEAR TOLERANCE
COOL SEASON SEED MIXTURES										
6. FINE FESCUE HARD FESCUE CHEWINGS FESCUE STRONG CREEPING RED FESCUE KENTUCKY BLUEGRASS PERENNIAL RYEGRASS PLUS WHITE CLOVER (SEE REMARKS)	130 45 20 5	3 1 .5 .10	A	A	A^5	O	A	A^5	B-D	WHITE CLOVER CAN BE INCORPORATED AND USED TO ESTABLISH LAWNS.
7. STRONG CREEPING RED FESCUE KENTUCKY BLUEGRASS PERENNIAL RYEGRASS OR REDTOP PLUS WHITE CLOVER	130 50 20 10 5	3 1 .5 .25 .1	A	A^5	O	A	A^5	A	B-D	SUITABLE WATERWAY MIX. CANADA BLUEGRASS MORE DROUGHT TOLERANT, USE REDTOP FOR INCREASED DROUGHT TOLERANCE.
8. TALL FESCUE (TURF-TYPE) OR STRONG CREEPING RED FESCUE OR PERENNIAL RYEGRASS KLEYPEA	30 30 30 25	.7 .7 .7 .60	O	A^5	O	A	A^5	A	B-D	TALL FESCUE BEST SELECTED FOR DROUGHT; TOLERANCE. USE CREEPING RED FESCUE IN HEAVY SHADE. USE KLEYPEA TO SUPRESS WOODY VEGETATION.
9. DEERTONGUE REDTOP WILD RYE (ELYMUS) SWITCHGRASS	20 2 15 25	.45 .05 .35 .60	O	O			O	O	C-D	NATIVE WET MIX.
10. TALL FESCUE (TURF-TYPE) PERENNIAL RYEGRASS WHITE CLOVER (SEE REMARKS)	265 20 5	.6 .5 .10	O	A^5	A^5	A	A^5	A^5	C-D	WHITE CLOVER CAN BE EXCLUDED ON LAWN MIX.
11. KENTUCKY BLUEGRASS TURF-TYPE TALL FESCUE	45 22	1 .5	A	A^5	O	A	A^5	A	C-D	FILTER STRIP USE FOR NUTRIENT UPTAKE.
12. TURF-TYPE TALL FESCUE (BLEND OF 3 CULTIVARS)	350	8	A	A^5	O	A	A^5	A	C-D	USE IN A MANAGED FILTER STRIP FOR NUTRIENT UPTAKE.
13. HARD FESCUE AND/OR CHEWINGS FESCUE AND/OR STRONG CREEPING RED FESCUE PERENNIAL RYEGRASS KY. BLUEGRASS (BLEND)	175 45 45	4 1 1	A	A^5	O	A	A^5	A	A-C	GENERAL LAWN/RECREATION.
14. TALL FESCUE KY. BLUEGRASS (BLEND) PERENNIAL RYEGRASS (BLEND)	265 20 20	6 .50 .50	A	A^5	A	A	A^5	A	A-B	ATHLETIC FIELD/ 3 CULTIVAR MIX OF BLUEGRASSES
15. HARD FESCUE CHEWINGS FESCUE STRONG CREEPING RED FESCUE PERENNIAL RYEGRASS	130 45 45 10	3 1 1 .25	A	A^5	A	A	A^5	A	C-D	LOW-MAINTENANCE FINE FESCUE LAWN MIX.
16. ROUGH BLUEGRASS STRONG CREEPING RED FESCUE	90 130	2 3	A	A^5	A	A	A^5	A	C-D	MOIST SHADE.
17. CREEPING BENTGRASS CREEPING RED FESCUE ALKALI SALTGRASS	45 45 45	1 1 1	A	A^5	A	A	A^5	A	B-D	USE BENTGRASS UNDER BETTER CONDITIONS. SALTGRASS WILL ONLY PERSISTENT UNDER SALINE CONDITIONS
18. HARD OR SHEEPS FESCUE N. E. WILDFLOWER MIXTURE	25 12	0.60 0.35	O	A	A	O	A	O	C-D	MEDICINAL WILDFLOWER MIX. HYDROSEEDING NOT RECOMMENDED.
19. A. SMOOTH CORDGRASS B. SALTMEADOW CORDGRASS	VEG. VEG.					BEFORE JULY 1		BEFORE JULY 1	D	PLANTED IN THE INTERTIDAL ZONE. MATURE HEIGHT ABOVE MEAN HIGH TIDE.
20. AMERICAN BEACHGRASS COASTAL PANICGRASS	VEG. 20	0.45				BEFORE APRIL 1		O	D	COASTAL PANICGRASS MAY BE INTERESTED BETWEEN ROWS OF BEACHGRASS.
21. A. PURPLEOSIER WILLOW B. DWARF WILLOW C. REDOSIER DOGWOOD D. SILKY DOGWOOD	VEG. VEG. VEG. VEG.			BEFORE MAY 10		BEFORE MAY 10		BEFORE MAY 1	D	ALSO REFER TO CHAPTERS 10 AND 18 OF USDA NRCS ENGINEERING FIELD HANDBOOK

DUST CONTROL

A. MULCHES – SEE STANDARD OF STABILIZATION WITH MULCHES.

B. VEGETATIVE COVER – SEE STANDARDS FOR: TEMPORARY VEGETATIVE COVER, PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION AND PERMANENT STABILIZATION WITH SOD.

C. SPRAY ON ADHESIVES– ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS.

D. TILLAGE – TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS A TEMPORARY EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL–TYPE PLOWS SPACED ABOUT 12 INCHES APART AND SPRING–TOOTHED HARROWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.

E. SPRINKLING – SITE IS SPRINKLED UNTIL THE SURFACE IS WET.

F. BARRIERS – SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.

G. CALCIUM CHLORIDE – SHALL BE IN THE FORM OF LOOSE, DRY GRANULES OR FLAKES FINE ENOUGH TO FEED THROUGH COMMONLY USED SPREADERS AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE. IF USED ON STEEPER SLOPES, THEN USE OTHER PRACTICES TO PREVENT WASHING INTO STREAMS OR ACCUMULATION AROUND PLANTS.

H. STONE – COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

Table 16-1 Dust Control Materials

MATERIAL	WATER DILUTION	TYPE OF NOZZLE	APPLY GALLONS/ACRE
Anionic asphalt emulsion	7:1	Coarse Spray	1200
Latex emulsion	12.5:1	Fine Spray	235
Resin in water	4:1	Fine Spray	300
Polyacrylamide (PAM) - spray on Polyacrylamide (PAM) - dry spread	Apply according to manufacturer's instructions. May also be used as an additive to sediment basins to flocculate and precipitate suspended colloids. See Sediment Basin standard, p. 26-1		
Acidulated Soy Bean Soap Stick	None	Coarse Spray	1200

TEMPORARY VEGETATIVE STABILIZATION GRASSES, SEEDING RATES, DATES AND DEPTH

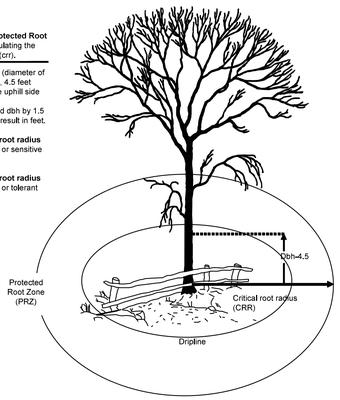
SEED SELECTIONS	SEEDING RATE [2] (POUNDS)	OPTIMUM SEEDING DATE [2] BASED ON PLANT HARDINESS ZONE		OPTIMUM SEED DEPTH [4] (INCHES)
	PER ACRE	PER 3000 SQ. FT.	ZONE 5B, 6A	ZONE 6B	ZONE 7A, 7B	
COOL SEASON GRASSES						
1. PERENNIAL RYEGRASS	300	7.0	3/15 - 5/1 8/1 - 9/15	3/1 - 5/15 8/15 - 10/15	2/15 - 5/1 8/15 - 10/15	0.5
2. SPRING OATS	86	2.0	3/15 - 5/1 8/1 - 9/15	3/1 - 5/15 8/15 - 10/15	2/15 - 5/1 8/15 - 10/15	1.0
3. WINTER BARLEY	96	2.2	8/1 - 9/15	8/15 - 10/15	8/15 - 10/15	1.0
4. ANNUAL RYEGRASS	100	1.0	3/15 - 5/1 8/1 - 9/15	3/15 - 5/1 8/1 - 9/15	2/15 - 5/1 8/15 - 10/15	0.5
5. WINTER CEREAL RYE	112	2.8	8/1 - 11/1	8/1 - 11/15	8/1 - 12/15	1.0
WARM SEASON GRASSES						
6. PEARL MILLET	20	0.5	6/1 - 8/1	5/15 - 8/15	5/1 - 9/1	1.0
MILLET (GERMAN OR HUNGARIAN)	30	0.7	6/1 - 8/1	5/15 - 8/15	5/1 - 9/1	1.0

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) in inches.
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.



ROOT PROTECTION

N.T.S.

ACID SOILS MITIGATION METHODS AND MATERIALS

1. LIMIT THE EXCAVATION AREA AND EXPOSURE TIME WHEN HIGH ACID–PRODUCING SOILS ARE ENCOUNTERED.
2. TOPSOIL STRIPPED FROM THE SITE SHALL BE STORED SEPARATELY FROM TEMPORARILY STOCKPILED HIGH ACID–PRODUCING SOILS.
3. STOCKPILES OF HIGH ACID–PRODUCING SOIL SHOULD BE LOCATED ON LEVEL LAND TO MINIMIZE ITS MOVEMENT, ESPECIALLY WHEN THIS MATERIAL HAS A HIGH CLAY CONTENT.
4. TEMPORARILY STOCKPILED HIGH ACID–PRODUCING SOIL MATERIAL TO BE STORED MORE THAN 48 HOURS SHOULD BE COVERED WITH PROPERLY ANCHORED, HEAVY GRADE SHEETS OF POLYETHYLENE WHERE POSSIBLE. IF NOT POSSIBLE, STOCKPILES SHALL BE COVERED WITH A MINIMUM OF 3 TO 6 INCHES OF WOOD CHIPS TO MINIMIZE EROSION OF THE STOCKPILE. SILT FENCE SHALL BE INSTALLED AT THE TOE OF THE SLOPE TO CONTAIN MOVEMENT OF THE STOCKPILED MATERIAL. TOPSOIL SHALL NOT BE APPLIED TO THE STOCKPILES TO PREVENT TOPSOIL CONTAMINATION WITH HIGH ACID–PRODUCING SOIL.
5. HIGH ACID–PRODUCING SOILS WITH A PH OF 4.0 OR LESS OR CONTAINING IRON SULFIDE (INCLUDING BORROW FROM CUTS OR DREDGED SEDIMENT) SHALL BE ULTIMATELY PLACED OR BURIED WITH LIMESTONE APPLIED AT THE RATE OF 10 TONS PER ACRE (OR 450 POUNDS PER 1,000 SQUARE FEET OF SURFACE AREA) AND COVERED WITH A MINIMUM OF 12 INCHES OF SETTLED SOIL WITH A PH OF 5.0 OR MORE EXCEPT AS FOLLOWS:
   a. AREAS WHERE TREES OR SHRUBS ARE TO BE PLANTED SHALL BE COVERED WITH A MINIMUM OF 24 INCHES OF SOIL WITH A PH OF 5 OR MORE.
   b. DISPOSAL AREAS SHALL NOT BE LOCATED WITHIN 24 INCHES OF ANY SURFACE OF A SLOPE OR IN BANK, BERMS, STREAM BANKS, DITCHES, AND OTHERS, TO PREVENT POTENTIAL LATERAL LEACHING DAMAGES.
6. EQUIPMENT USED FOR MOVEMENT OF HIGH ACID–PRODUCING SOILS SHOULD BE CLEANED AT THE END OF EACH DAY TO PREVENT SPREADING OF HIGH ACID–PRODUCING SOIL MATERIALS TO OTHER PARTS OF THE SITE, INTO STREAMS OR STORMWATER CONVEYANCES, AND TO PROTECT MACHINERY FROM ACCELERATED RUSTING.
7. NON–VEGETATIVE EROSION CONTROL PRACTICES (STONE TRACKING PADS, STRATEGICALLY PLACED LIMESTONE CHECK DAM, SEDIMENT BARRIER, WOOD CHIPS) SHOULD BE INSTALLED TO LIMIT THE MOVEMENT OF HIGH ACID–PRODUCING SOILS FROM, AROUND, OR OFF THE SITE.
8. FOLLOWING BURIAL OR REMOVAL OF HIGH ACID–PRODUCING SOIL, TOPSOILING AND SEEDING OF THE SITE (SEE TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION, PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION, AND TOPSOILING). MONITORING MUST CONTINUE FOR A MINIMUM OF 6 MONTHS TO ENSURE THERE IS ADEQUATE STABILIZATION AND THAT NO HIGH ACID–PRODUCING SOIL PROBLEMS EMERGE. IF PROBLEMS STILL EXIST, THE AFFECTED AREA MUST BE TREATED AS INDICATED ABOVE TO CORRECT THE PROBLEM.

TEMPORARY SEEDBED PREPARATIONS

A. APPLY GROUND LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS SUCH AS OFFERED BY RUTGERS CO–OPERATIVE EXTENSION. SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL RUTGERS COOPERATIVE EXTENSION OFFICES. FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10–20–10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE. CALCIUM CARBONATE IS THE EQUIVALENT AND STANDARD FOR MEASURING THE ABILITY OF LIMING MATERIALS TO NEUTRALIZE SOIL ACIDITY AND SUPPLY CALCIUM AND MAGNESIUM TO GRASSES AND LEGUMES.

B. WORK LIME AND FERTILIZER INTO THE SOIL 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 REASONABLE UNIFORM SEEDBED IS PREPARED.

C. INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED IN ACCORDANCE WITH THE ABOVE.

D. SOILS HIGH IN SULFIDES OR HAVING A pH OF 4 OR LESS REFER TO STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, PG 1–1.

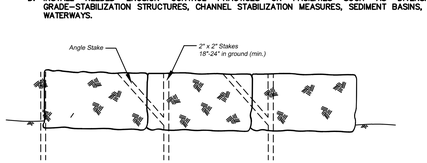
SITE PREPARATION

A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARD FOR LAND GRADING.

B. IMMEDIATELY PRIOR TO SEEDING AND TOPSOIL APPLICATION, THE SUBSOIL SHALL BE EVALUATED FOR COMPACTION IN ACCORDANCE WITH STANDARD FOR LAND GRADING.

C. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE. A UNIFORM APPLICATION TO A DEPTH OF 5 INCHES (UNSETTLED) IS REQUIRED ON ALL TOPSOIL TOPSOIL SHALL BE AMENDED WITH ORGANIC MATTER, AS NEEDED, IN ACCORDANCE WITH STANDARD FOR TOPSOILING.

D. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE–STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS.



STRAW BALE SILTATION DIKE DETAIL

N.T.S.

SOIL EROSION AND SEDIMENT CONTROL NOTES:

1. THE FREEHOLD SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED FORTY–EIGHT (48) HOURS IN ADVANCE OF ANY SOIL DISTURBING ACTIVITY.
2. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
3. ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLANS WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE DISTRICT FOR RE–CERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT STATE SOIL EROSION AND SEDIMENT CONTROL STANDARDS.
4. N.J.S.A. 4:24–39 ET SEQ. REQUIRES THAT NO CERTIFICATES OF OCCUPANCY BE ISSUED BEFORE THE DISTRICT DETERMINES THAT A PROJECT OR PORTION THEREOF IS IN FULL COMPLIANCE WITH THE CERTIFIED PLAN AND STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY AND A REPORT OF COMPLIANCE HAS BEEN ISSUED. UPON THE REQUEST FROM THE APPLICANT, THE DISTRICT MAY ISSUE A REPORT OF COMPLIANCE WITH CONDITIONS ON A LOT–BY–LOT OR SECTION–BY–SECTION BASIS, PROVIDED THAT THE PROJECT OR PORTION THEREOF IS IN SATISFACTORY COMPLIANCE WITH THE APPROVED PLANS. A REPORT OF COMPLIANCE FOR SOIL EROSION AND SEDIMENT CONTROL HAVE BEEN IMPLEMENTED, INCLUDING PROVISIONS FOR STABILIZATION AND SITE WORK.
5. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN SIXTY (60) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW OR EQUIVALENT MATERIAL, AT A RATE OF 2 TO 2 1/2 TONS PER ACRE, ACCORDING TO STATE STANDARDS FOR STABILIZATION WITH MULCH ONLY.
6. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (i.e. STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AND A MULCH ANCHOR, IN ACCORDANCE WITH STANDARDS.
7. A SUB–BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS TO STABILIZE STREETS, ROADS, DRIVEWAYS AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUB–BASE SHALL BE INSTALLED WITHIN FIFTEEN (15) DAYS OF THE PRELIMINARY GRADING.
8. THE STANDARD FOR STABILIZED CONSTRUCTION ACCESS REQUIRES THE INSTALLATION OF A PAD OF CLEAN CRUSHED STONE AT POINTS WHERE TRAFFIC WILL BE ACCESSING THE CONSTRUCTION SITE. AFTER INTERIOR ROADWAYS ARE PAVED, INDIVIDUAL LOTS REQUIRE A STABILIZED CONSTRUCTION ENTRANCE CONSISTING OF ONE INCH TO TWO INCH (1"–2") STONE FOR A MINIMUM LENGTH OF TEN FEET (10') EQUAL TO THE LOT ENTRANCE WIDTH. ALL OTHER ACCESS POINTS SHALL BE BLOCKED OFF.
9. ALL SOIL WASHED, DROPPED, SPILLED OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHT–OF–WAYS WILL BE REMOVED IMMEDIATELY.
10. PERMANENT VEGETATION IS TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING.
11. AT THE TIME THAT THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROWTH COVER SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT IT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON–VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
12. IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, ANY SOIL HAVING A pH OF 4.0 OR LESS OR CONTAINING IRON SULFIDES SHALL BE ULTIMATELY PLACED OR BURIED WITH LIMESTONE APPLIED AT THE RATE OF 10 TONS/ACRE, (OR 450 LBS/1,000 SQ FT OF SURFACE AREA) AND COVERED WITH A MINIMUM OF 12" OF SETTLED SOIL WITH A pH OF 5 OR MORE, OR 24" WHERE TREES OR SHRUBS ARE TO BE PLANTED.
13. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
14. UNFILTERED DEWATERING IS NOT PERMITTED. NECESSARY PRECAUTIONS MUST BE TAKEN DURING ALL DEWATERING OPERATIONS TO MINIMIZE SEDIMENT TRANSPORT. ANY DEWATERING METHODS USED MUST BE IN ACCORDANCE WITH STANDARDS FOR DEWATERING.
15. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET, TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED AS REQUIRED BY THE STANDARD FOR DUST CONTROL.
16. STOCKPILE AND STAGING LOCATIONS ESTABLISHED IN THE FIELD SHALL BE PLACED WITHIN THE LIMIT OF DISTURBANCE ACCORDING TO THE CERTIFIED PLAN. STAGING AND STOCKPILES NOT LOCATED WITHIN THE LIMIT OF DISTURBANCE WILL REQUIRE CERTIFICATION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN. CERTIFICATION OF A NEW SOIL EROSION AND SEDIMENT CONTROL PLAN MAY BE REQUIRED FOR THESE ACTIVITIES IF AN AREA GREATER THAN 5,000 SQUARE FEET IS DISTURBED.
17. ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE #6.
18. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORM WATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.

ADDITIONAL NOTES

1. MAXIMUM SIDE SLOPES OF ALL EXPOSED SURFACES TO BE 3:1.
2. HAY BALES OR SEDIMENT CONTROL FABRIC TO BE PLACED IF EROSION BECOMES EVIDENT DURING CONSTRUCTION.
3. TO PREVENT LARGE BILLOWS DOWNHILL DURING CONSTRUCTION, TEMPORARY MOUNTABLE STONE BERMS MAY BE INSTALLED, SHOULD FIELD CONDITIONS WARRANT WHICH WILL NOT IMPEDE ACCESS FOR THE RESIDENTS AND EMERGENCY VEHICLES.
4. THE CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING ANY AND ALL SOIL EROSION AND SEDIMENT CONTROL PROCEDURES DEEMED NECESSARY BY THE FREEHOLD SOIL CONSERVATION DISTRICT OFFICE AGENTS DURING THE COURSE OF CONSTRUCTION.

SEQUENCE OF CONSTRUCTION:

THIS PROJECT SHALL CONSIST ESSENTIALLY OF THE RESURFACING OF EXISTING ROADWAYS INCLUDING THE INSTALLATION OF HOT MIX ASPHALT PAVEMENT, CONCRETE CURB, CONCRETE SIDEWALK AND DRIVEWAY AND LANDSCAPING RESTORATION. THE CONSTRUCTION SHOULD PROCEED IN THE FOLLOWING MANNER:

1. INSTALLATION OF ALL SEDIMENT AND EROSION CONTROL DEVICES THAT CAN BE PLACED PRIOR TO ANY MAJOR SOIL DISTURBANCES.
2. CLEAR AND REMOVE ALL EXISTING VEGETATION IN THOSE AREAS WHERE NECESSARY. ALL REMAINING VEGETATION TO BE PROPERLY PROTECTED AND TO REMAIN IN ITS NATURAL STATE.
3. IMMEDIATE INSTALLATION OF ALL REMAINING SEDIMENT AND EROSION CONTROL DEVICES.
4. RECONSTRUCTION OF EXISTING CURBS, SIDEWALKS, AND DRIVEWAY APRONS.
5. FINE–GRADE PAVEMENT RESTORATION AREAS.
6. BASE COURSE PAVEMENTS TO BE APPLIED IMMEDIATELY FOLLOWING INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE PAVEMENT AREAS.
7. FINE–GRADE REMAINDER OF SITE AND STABILIZE WITH PERMANENT VEGETATIVE COVER AND LANDSCAPING.
8. CONSTRUCTION OF HOT MIX ASPHALT SURFACE COURSE PAVEMENT.
9. REMOVAL OF APPROPRIATE TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES.

PERMANENT SEEDBED PREPARATIONS

A. UNIFORMLY APPLY GROUND LIMESTONE AND FERTILIZER TO TOPSOIL WHICH HAS BEEN SPREAD AND FIRMED, ACCORDING 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/). FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10–10–10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE AND INCORPORATED INTO THE SURFACE 4 INCHES. IF SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE DISTRICT FOR RE–CERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT STATE SOIL EROSION AND SEDIMENT CONTROL STANDARDS.

B. WORK LIME AND FERTILIZER INTO THE TOPSOIL 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 REASONABLE UNIFORM SEEDBED IS PREPARED.

C. HIGH ACID PRODUCING SOIL. SOILS HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL HAVING A PH OF 5 OR MORE BEFORE INITIATING SEEDBED PREPARATION. SEE STANDARD FOR MANAGEMENT OF HIGH ACID–PRODUCING SOILS FOR SPECIFIC REQUIREMENTS.

PERMANENT SEEDING SPECIFICATIONS:

– APPLY FERTILIZER AND LIME IN THE SAME RATES AS DENOTED IN THE TEMPORARY SEEDING SPECIFICATIONS ABOVE.

– APPLY THE FOLLOWING SEED MIXTURE ONLY DURING SPECIFIED PLANTING DATES AT THE SPECIFIED RATES.

FINE FESCUE (BLEND)	– 130 LBS. PER ACRE
HARD FESCUE	– 45 LBS. PER ACRE
CHEWING FESCUE	– 20 LBS. PER ACRE
STRONG CREEPING RED FESCUE OR KENTUCKY BLUEGRASS OR PERENNIAL RYEGRASS	– 5 LBS. PER ACRE

– APPLY MULCH AND MULCH ANCHORING AS SPECIFIED BELOW.

MULCHING

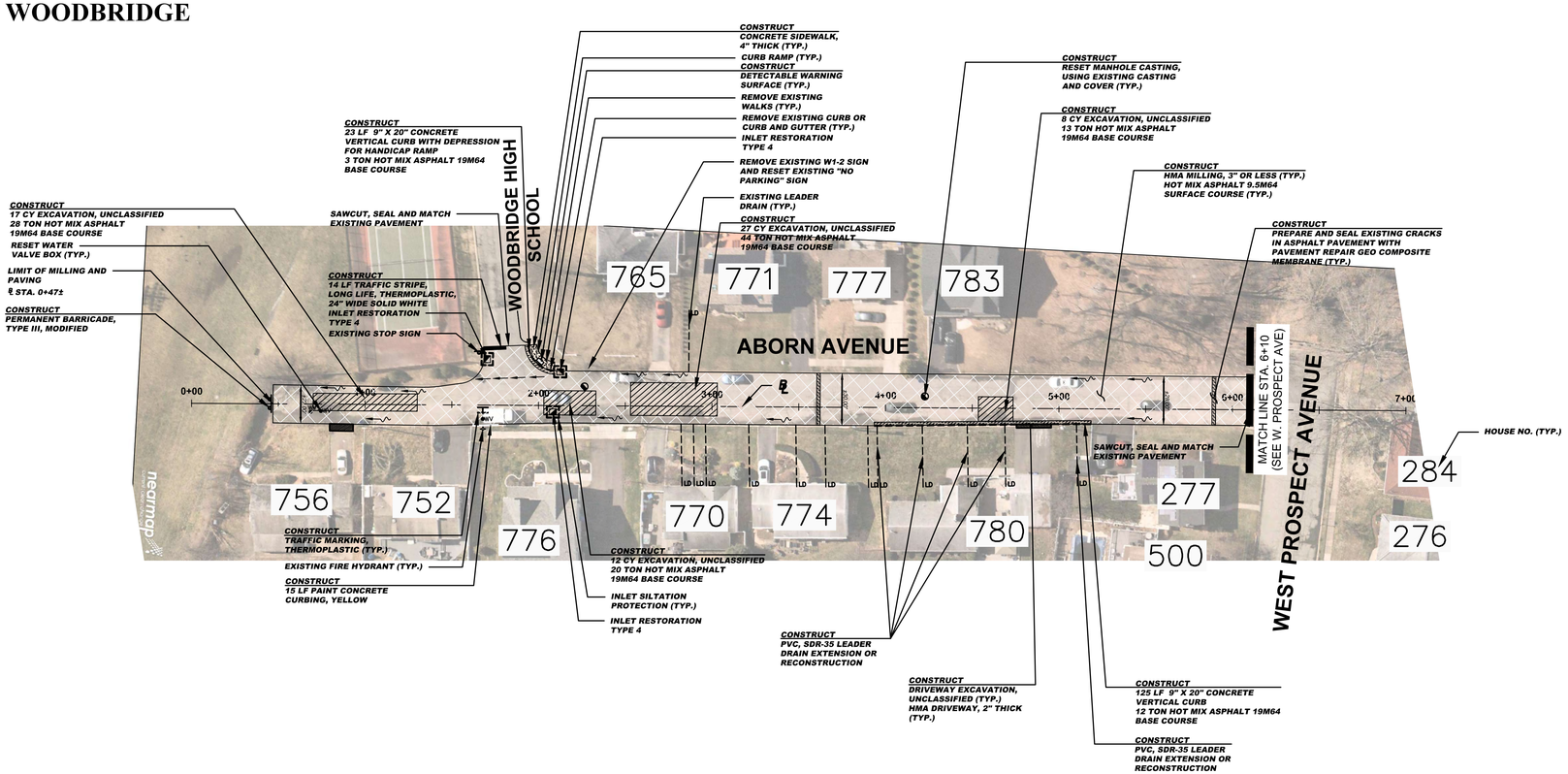
MULCHING IS REQUIRED ON ALL SEEDING. MULCH WILL INSURE AGAINST EROSION BEFORE GRASS IS ESTABLISHED AND WILL PROMOTE FASTER AND EARLIER ESTABLISHMENT. THE EXISTENCE OF VEGETATION SUFFICIENT TO CONTROL SOIL EROSION SHALL BE DEEMED COMPLIANCE WITH THIS MULCHING REQUIREMENT.

A. STRAW OR HAY. UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, APPLIED AT THE RATE OF 1–1/2 TO 2 TONS PER ACRE (70 TO 90 POUNDS PER 1,000 SQUARE FEET), EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH–BINDER (TACKIFYING OR ADHESIVE AGENT), THE RATE OF APPLICATION IS 3 TONS PER ACRE. MULCH CHOPPER–BLOWERS MUST NOT GRIND THE MULCH. HAY MULCH IS NOT RECOMMENDED FOR ESTABLISHING FINE TURF OR LAWNS DUE TO THE PRESENCE OF WEED SEED.

APPLICATION. SPREAD MULCH UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 95% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND–SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90 POUNDS WITHIN EACH SECTION.

ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS, DEPENDING UPON THE SIZE OF THE AREA, STEEPNESS OF SLOPES, AND COSTS.

1. PEG AND TWINE. DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES



GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

CONSTRUCT (ABORN AVENUE)

3	CY	DRIVEWAY EXCAVATION, UNCLASSIFIED
64	CY	EXCAVATION, UNCLASSIFIED
1793	SY	HMA MILLING, 3" OR LESS
2802	LF	POLYMERIZED JOINT ADHESIVE
55	LF	PREPARE AND SEAL EXISTING JOINTS AND CRACKS IN ASPHALT PAVEMENT
58	LF	PREPARE AND SEAL EXISTING TRANSVERSE CRACKS IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
268	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
120	TON	HOT MIX ASPHALT 19M64 BASE COURSE
5	UN	PVC, SDR-35 LEADER DRAIN EXTENSION OR RECONSTRUCTION
2	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
3	UN	RESET EXISTING CASTING
11	SY	CONCRETE SIDEWALKS, 4" THICK
11	SY	HOT MIX ASPHALT DRIVEWAY RESTORATION, 2" THICK
1	SY	DETECTABLE WARNING SURFACE
148	LF	9"X20" CONCRETE VERTICAL CURB
15	LF	PAINT CONCRETE CURBING
14	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
6	SF	TRAFFIC MARKINGS, THERMOPLASTIC
1	UN	PERMANENT BARRICADE, TYPE III, MODIFIED
3	UN	RESET WATER VALVE BOX
83	SY	TOPSOILING, 4" THICK
83	SY	FERTILIZING AND SEEDING
83	SY	TOPSOIL STABILIZATION, TYPE 2MAT

SPECIAL PROVISIONS

THE CONTRACTOR IS SPECIFICALLY DIRECTED TO THE REQUIREMENTS CONTAINED IN THE SPECIAL PROVISIONS SECTION OF THE CONTRACT SPECIFICATIONS.

PROPOSED CURB AND/OR ROADWAY REPLACEMENT

THE CONTRACTOR IS ADVISED THAT THEIR LICENSED LAND SURVEYOR SHALL PROVIDE THE CONSTRUCTION STAKEOUT FOR THE PROJECT AND THAT IS THE INTENT OF THE CONTRACT DOCUMENTS TO INSTALL THE NEW CURB, EDGE OF PAVEMENT, AND ROADWAY AT ITS PRESENT HORIZONTAL LOCATION AND VERTICAL LOCATION EXCEPT WHERE PROPOSED GRADES HAVE BEEN INDICATED ON THE PLAN. ACCORDINGLY, THE FULL RESPONSIBILITY FOR KEEPING AND MAINTAINING THE EXISTING ALIGNMENT AND GRADE PRIOR TO REMOVAL OF THE EXISTING CURB AND MILLING AND/OR EXCAVATION OF THE PAVEMENT SHALL REST UPON THE CONTRACTOR IN ACCORDANCE WITH DIVISION 1 GENERAL REQUIREMENTS SECTION 1-4.4 OF THE PROJECT SPECIFICATIONS.

BASELINES

BASELINES ARE APPROXIMATE AND ARE FOR REFERENCE PURPOSES ONLY. BASELINES ARE NOT TO BE UTILIZED FOR LAYOUT.

INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
- DENOTES APPROXIMATE LOCATION OF EXISTING LOW POINT
- DENOTES TRAFFIC MARKINGS, LONG LIFE, THERMOPLASTIC WITH GLASS BEADS, FOR FIRE HYDRANT
- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
- DENOTES EXISTING TREES OR STUMPS TO BE REMOVED
- DENOTES RESET BRICKWALK/ PAVERS
- DENOTES PROPOSED REINFORCED CONCRETE SIDEWALK
- DENOTES HOT MIX ASPHALT DRIVEWAY RESTORATION
- DENOTES CONCRETE DRIVEWAY RESTORATION
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE EXCAVATION) AND PAVING WITH 19M64 BASE COURSE
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE TEMPORARY TRENCH REPAIR)
- DENOTES PROPOSED CONCRETE SIDEWALK AND DRIVEWAY APRON
- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE AND 3" HOT MIX ASPHALT 19M64 BASE COURSE
- DENOTES AREA TO BE MILLED AND RECEIVE MIN. 2" HMA 9.5M64 SURFACE COURSE
- DENOTES AREA TO BE MILLED, EXISTING CRACK TO BE CLEANED AND SEALED AND GEO COMPOSITE MATERIAL TO BE INSTALLED
- DENOTES AREA TO BE EXCAVATED UP TO 9" AND RECEIVE HMA 19M64 BASE COURSE
- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE 7" HOT MIX ASPHALT 19M64 BASE COURSE 6" DENSE GRADED AGGREGATE BASE COURSE
- DENOTES ROADWAY TRENCH REPAIR AREA 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE, 7" HOT MIX ASPHALT 19M64 BASE COURSE, AND 6" DENSE GRADED AGGREGATE BASE COURSE

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – ABORN AVENUE

WARD 1

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
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GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

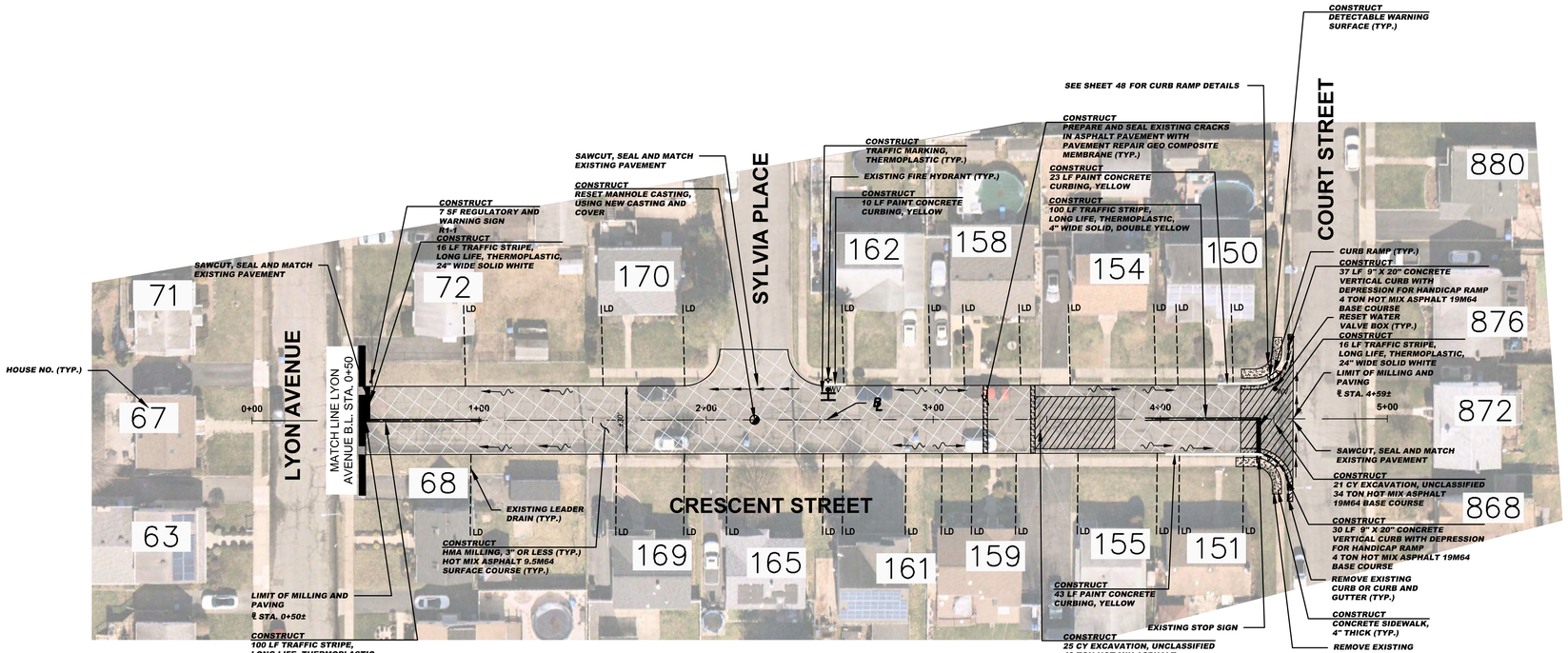
SCALE	As Shown
DATE	April 2025
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SHEET	4 of 69

PROJECT NO. PWB0A616.01

DRAWING NUMBER C-1 C-44

TOWNSHIP OF WOODBRIDGE

COUNTY OF MIDDLESEX



CONSTRUCT (CRESCENT STREET)

46	CY	EXCAVATION, UNCLASSIFIED
1448	SY	HMA MILLING, 3" OR LESS
2054	LF	POLYMERIZED JOINT ADHESIVE
166	LF	PREPARE AND SEAL EXISTING JOINTS AND CRACKS IN ASPHALT PAVEMENT
60	LF	PREPARE AND SEAL EXISTING TRANSVERSE CRACKS IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
212	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
81	TON	HOT MIX ASPHALT 19M64 BASE COURSE
1	UN	RESET MANHOLE CASTING, USING NEW CASTING AND COVER
28	SY	CONCRETE SIDEWALKS, 4" THICK
2	SY	DETECTABLE WARNING SURFACE
67	LF	9"X20" CONCRETE VERTICAL CURB
76	LF	PAINT CONCRETE CURBING
200	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
32	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
6	SF	TRAFFIC MARKINGS, THERMOPLASTIC
7	SF	REGULATORY AND WARNING SIGNS
2	UN	RESET WATER VALVE BOX
38	SY	TOPSOILING, 4" THICK
38	SY	FERTILIZING AND SEEDING
38	SY	TOPSOIL STABILIZATION, TYPE 2MAT

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.



R1-1
30"x30"

SIGN LEGEND

BASELINES

BASELINES ARE APPROXIMATE AND ARE FOR REFERENCE PURPOSES ONLY. BASELINES ARE NOT TO BE UTILIZED FOR LAYOUT.

INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

SPECIAL PROVISIONS

THE CONTRACTOR IS SPECIFICALLY DIRECTED TO THE REQUIREMENTS CONTAINED IN THE SPECIAL PROVISIONS SECTION OF THE CONTRACT SPECIFICATIONS.

PROPOSED CURB AND/OR ROADWAY REPLACEMENT

THE CONTRACTOR IS ADVISED THAT THEIR LICENSED LAND SURVEYOR SHALL PROVIDE THE CONSTRUCTION STAKEOUT FOR THE PROJECT AND THAT IS THE INTENT OF THE CONTRACT DOCUMENTS TO INSTALL THE NEW CURB, EDGE OF PAVEMENT, AND ROADWAY AT ITS PRESENT HORIZONTAL LOCATION AND VERTICAL LOCATION EXCEPT WHERE PROPOSED GRADES HAVE BEEN INDICATED ON THE PLAN. ACCORDINGLY, THE FULL RESPONSIBILITY FOR KEEPING AND MAINTAINING THE EXISTING ALIGNMENT AND GRADE PRIOR TO REMOVAL OF THE EXISTING CURB AND MILLING AND/OR EXCAVATION OF THE PAVEMENT SHALL REST UPON THE CONTRACTOR IN ACCORDANCE WITH DIVISION 1 GENERAL REQUIREMENTS SECTION 1-4.4 OF THE PROJECT SPECIFICATIONS.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
- DENOTES APPROXIMATE LOCATION OF EXISTING LOW POINT
- DENOTES TRAFFIC MARKINGS, LONG LIFE, THERMOPLASTIC WITH GLASS BEADS, FOR FIRE HYDRANT
- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
- DENOTES EXISTING TREES OR STUMPS TO BE REMOVED
- DENOTES RESET BRICKWALK/ PAVERS
- DENOTES PROPOSED REINFORCED CONCRETE SIDEWALK
- DENOTES HOT MIX ASPHALT DRIVEWAY RESTORATION
- DENOTES CONCRETE DRIVEWAY RESTORATION
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE EXCAVATION) AND PAVING WITH 19M64 BASE COURSE
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE TEMPORARY TRENCH REPAIR)
- DENOTES PROPOSED CONCRETE SIDEWALK AND DRIVEWAY APRON
- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE AND 3" HOT MIX ASPHALT 19M64 BASE COURSE
- DENOTES AREA TO BE MILLED AND RECEIVE MIN. 2" HMA 9.5M64 SURFACE COURSE
- DENOTES AREA TO BE MILLED, EXISTING CRACK TO BE CLEANED AND SEALED, AND GEO COMPOSITE MATERIAL TO BE INSTALLED
- DENOTES AREA TO BE EXCAVATED UP TO 9" AND RECEIVE HMA 19M64 BASE COURSE
- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE 7" HOT MIX ASPHALT 19M64 BASE COURSE 6" DENSE GRADED AGGREGATE BASE COURSE
- DENOTES ROADWAY TRENCH REPAIR AREA 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE. 7" HOT MIX ASPHALT 19M64 BASE COURSE. AND 6" DENSE GRADED AGGREGATE BASE COURSE

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – CRESCENT STREET

WARD 1

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 (732) 727 8000
1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194 (732) 462 7400

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

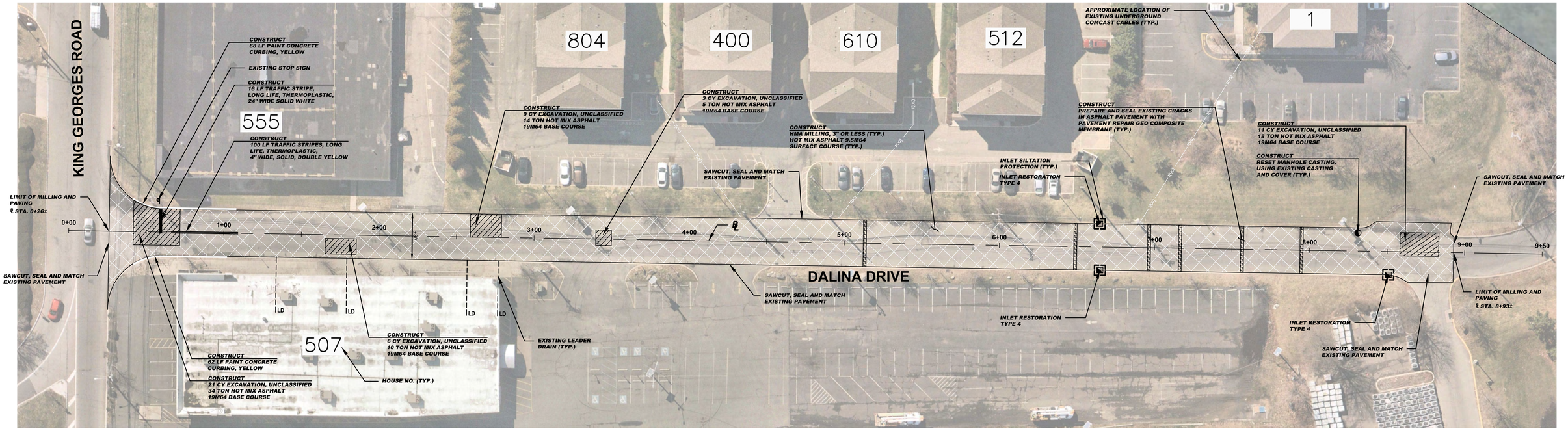
SCALE	As Shown
DATE	April 2025
DRAWN BY	AW
DESIGNED BY	AW/PD
CHECKED BY	GO
SHEET	5 of 69

PROJECT NO. PWB0A616.01

DRAWING NUMBER C-2 / C-44

TOWNSHIP OF WOODBRIDGE

COUNTY OF MIDDLESEX



GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

CONSTRUCT (DALINA DRIVE)

51	CY	EXCAVATION, UNCLASSIFIED
2986	SY	HMA MILLING, 3" OR LESS
3776	LF	POLYMERIZED JOINT ADHESIVE
282	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
180	LF	PREPARE AND SEAL EXISTING TRANSVERSE CRACK IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
438	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
88	TON	HOT MIX ASPHALT 19M64 BASE COURSE
1	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
3	UN	RESET EXISTING CASTING
130	LF	PAINT CONCRETE CURBING
100	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
16	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE

SPECIAL PROVISIONS

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INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

BASELINES

BASELINES ARE APPROXIMATE AND ARE FOR REFERENCE PURPOSES ONLY. BASELINES ARE NOT TO BE UTILIZED FOR LAYOUT.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
- DENOTES APPROXIMATE LOCATION OF EXISTING LOW POINT
- DENOTES TRAFFIC MARKINGS, LONG LIFE, THERMOPLASTIC WITH GLASS BEADS, FOR FIRE HYDRANT
- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
- DENOTES EXISTING TREES OR STUMPS TO BE REMOVED
- DENOTES RESET BRICKWALK/ PAVERS
- DENOTES PROPOSED REINFORCED CONCRETE SIDEWALK
- DENOTES HOT MIX ASPHALT DRIVEWAY RESTORATION
- DENOTES CONCRETE DRIVEWAY RESTORATION
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE EXCAVATION) AND PAVING WITH 19M64 BASE COURSE
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- DENOTES PROPOSED CONCRETE SIDEWALK AND DRIVEWAY APRON
- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE AND 3" HOT MIX ASPHALT 19M64 BASE COURSE
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NO.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – DALINA DRIVE

WARD 1

CVE ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 (732) 727 8000
1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194 (732) 462 7400

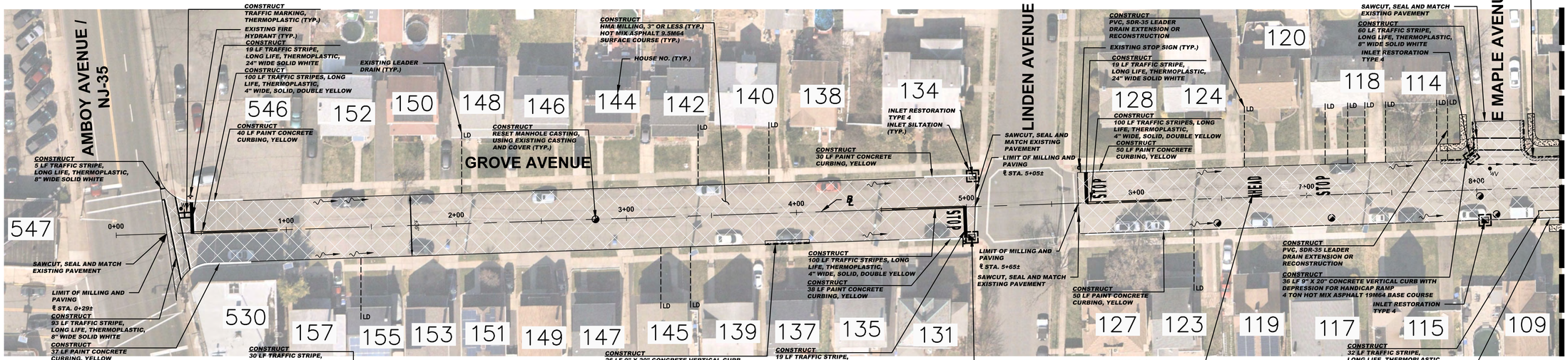
GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

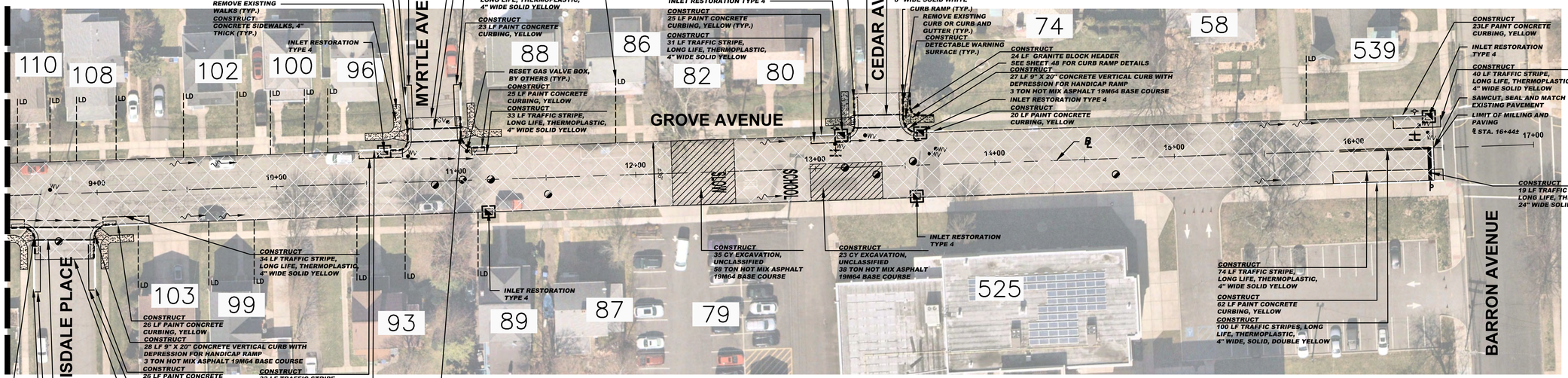
SCALE As Shown	DATE April 2025	DRAWING NUMBER	
DRAWN BY AW	DESIGNED BY AW/PD	C-3	
CHECKED BY GO	SHEET 6 of 69	C-44	

PROJECT NO. PWB0A616.01

TOWNSHIP OF WOODBRIDGE

COUNTY OF MIDDLESEX





CONSTRUCT (GROVE AVENUE)

58	CY	EXCAVATION, UNCLASSIFIED
6512	SY	HMA MILLING, 3" OR LESS
6095	LF	POLYMERIZED JOINT ADHESIVE
305	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
922	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
122	TON	HOT MIX ASPHALT 19M64 BASE COURSE
3	UN	PVC, SDR-35 LEADER DRAIN EXTENSION OR RECONSTRUCTION
14	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
10	UN	RESET EXISTING CASTING
134	SY	CONCRETE SIDEWALKS, 4" THICK
8	SY	DETECTABLE WARNING SURFACE
228	LF	9"X20" CONCRETE VERTICAL CURB
24	LF	GRANITE BLOCK HEADER
572	LF	PAINT CONCRETE CURBING
800	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
351	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 8" WIDE
76	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
240	SF	TRAFFIC MARKINGS, THERMOPLASTIC
10	UN	RESET WATER VALVE BOX
2	UN	RESET GAS VALVE BOX
232	SY	TOPSOILING, 4" THICK
232	SY	FERTILIZING AND SEEDING
232	SY	TOPSOIL STABILIZATION, TYPE 2 MAT

SPECIAL PROVISIONS

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BASELINES

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INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
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- DENOTES TRAFFIC MARKINGS, LONG LIFE, THERMOPLASTIC WITH GLASS BEADS, FOR FIRE HYDRANT
- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
- DENOTES EXISTING TREES OR STUMPS TO BE REMOVED
- DENOTES RESET BRICKWALK/ PAVERS
- DENOTES PROPOSED REINFORCED CONCRETE SIDEWALK
- DENOTES HOT MIX ASPHALT DRIVEWAY RESTORATION
- DENOTES CONCRETE DRIVEWAY RESTORATION
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE EXCAVATION) AND PAVING WITH 19M64 BASE COURSE
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE TEMPORARY TRENCH REPAIR)
- DENOTES PROPOSED CONCRETE SIDEWALK AND DRIVEWAY APRON
- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE AND 3" HOT MIX ASPHALT 19M64 BASE COURSE
- DENOTES AREA TO BE MILLED AND RECEIVE MIN. 2" HMA 9.5M64 SURFACE COURSE
- DENOTES AREA TO BE MILLED, EXISTING CRACK TO BE CLEANED AND SEALED, AND GEO COMPOSITE MATERIAL TO BE INSTALLED
- DENOTES AREA TO BE EXCAVATED UP TO 9" AND RECEIVE HMA 19M64 BASE COURSE
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No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – GROVE AVENUE

WARD 1

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
(732) 727 8000 (732) 462 7400
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359900
1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

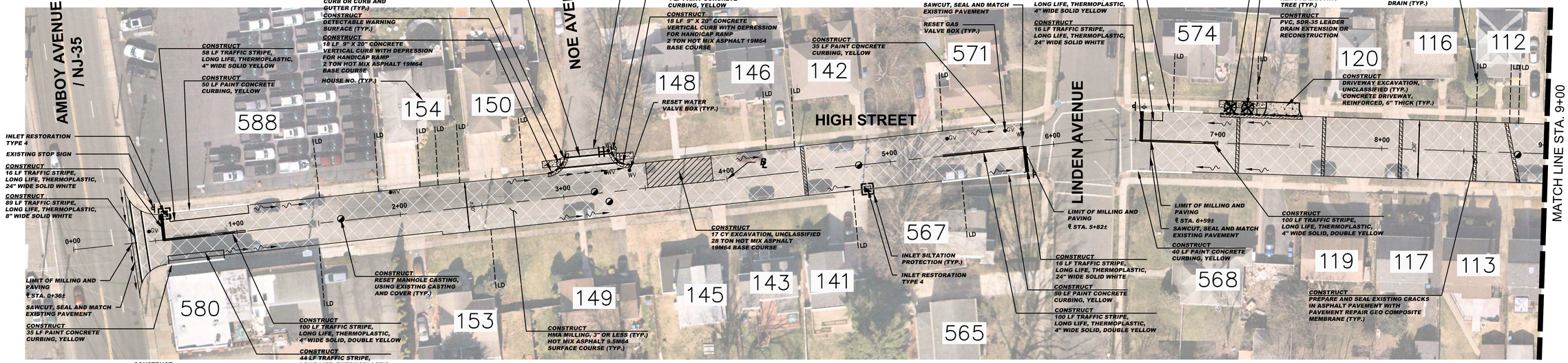
SCALE	As Shown
DATE	April 2025
DRAWN BY	OT
DESIGNED BY	OT/PD
CHECKED BY	GO
SHEET	7 of 69

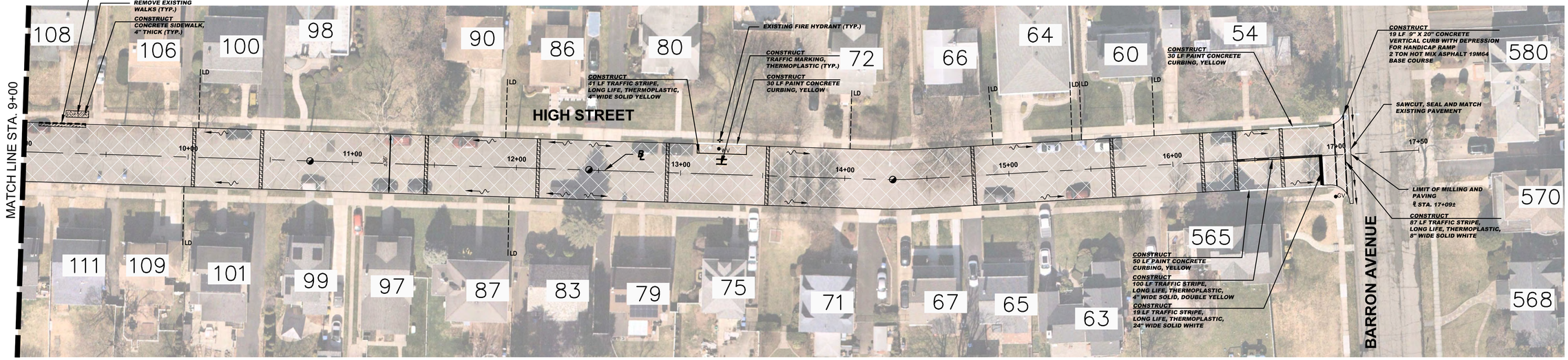
DRAWING NUMBER C-4 C-44

PROJECT NO. PWB0A616.01

TOWNSHIP OF WOODBRIDGE

COUNTY OF MIDDLESEX





CONSTRUCT (HIGH STREET)

6	CY	DRIVEWAY EXCAVATION, UNCLASSIFIED
17	CY	EXCAVATION, UNCLASSIFIED
6072	SY	HMA MILLING, 3" OR LESS
5797	LF	POLYMERIZED JOINT ADHESIVE
227	LF	PREPARE AND SEAL EXISTING JOINTS AND CRACKS IN ASPHALT PAVEMENT
607	LF	PREPARE AND SEAL EXISTING TRANSVERSE CRACKS IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
874	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
40	TON	HOT MIX ASPHALT 19M64 BASE COURSE
1	UN	PVC, SDR-35 LEADER DRAIN EXTENSION OR RECONSTRUCTION
8	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
2	UN	RESET EXISTING CASTING
32	SY	CONCRETE SIDEWALKS, 4" THICK
19	SY	CONCRETE DRIVEWAYS AND APRONS, REINFORCED, 6" THICK
2	SY	DETECTABLE WARNING SURFACE
116	LF	9"X20" CONCRETE VERTICAL CURB
364	LF	PAINT CONCRETE CURBING
562	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
243	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 8" WIDE
67	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
12	SF	TRAFFIC MARKINGS, THERMOPLASTIC
6	UN	RESET WATER VALVE BOX
4	UN	RESET GAS VALVE BOX
65	SY	TOPSOILING, 4" THICK
65	SY	FERTILIZING AND SEEDING
65	SY	TOPSOIL STABILIZATION, TYPE 2MAT
2	UN	REPLACEMENT TREES

SPECIAL PROVISIONS

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BASELINES

BASELINES ARE APPROXIMATE AND ARE FOR REFERENCE PURPOSES ONLY. BASELINES ARE NOT TO BE UTILIZED FOR LAYOUT.

INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
- DENOTES APPROXIMATE LOCATION OF EXISTING LOW POINT
- DENOTES TRAFFIC MARKINGS, LONG LIFE, THERMOPLASTIC WITH GLASS BEADS, FOR FIRE HYDRANT
- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
- DENOTES EXISTING TREES OR STUMPS TO BE REMOVED
- DENOTES RESET BRICKWALK/ PAVERS
- DENOTES PROPOSED REINFORCED CONCRETE SIDEWALK
- DENOTES HOT MIX ASPHALT DRIVEWAY RESTORATION
- DENOTES CONCRETE DRIVEWAY RESTORATION
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE EXCAVATION) AND PAVING WITH 19M64 BASE COURSE
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE TEMPORARY TRENCH REPAIR)
- DENOTES PROPOSED CONCRETE SIDEWALK AND DRIVEWAY APRON
- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE AND 3" HOT MIX ASPHALT 19M64 BASE COURSE
- DENOTES AREA TO BE MILLED AND RECEIVE MIN. 2" HMA 9.5M64 SURFACE COURSE
- DENOTES AREA TO BE MILLED, EXISTING CRACK TO BE CLEANED AND SEALED, AND GEO COMPOSITE MATERIAL TO BE INSTALLED
- DENOTES AREA TO BE EXCAVATED UP TO 9" AND RECEIVE HMA 19M64 BASE COURSE
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- DENOTES ROADWAY TRENCH REPAIR AREA 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE, 7" HOT MIX ASPHALT 19M64 BASE COURSE, AND 6" DENSE GRADED AGGREGATE BASE COURSE

NO.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – HIGH STREET

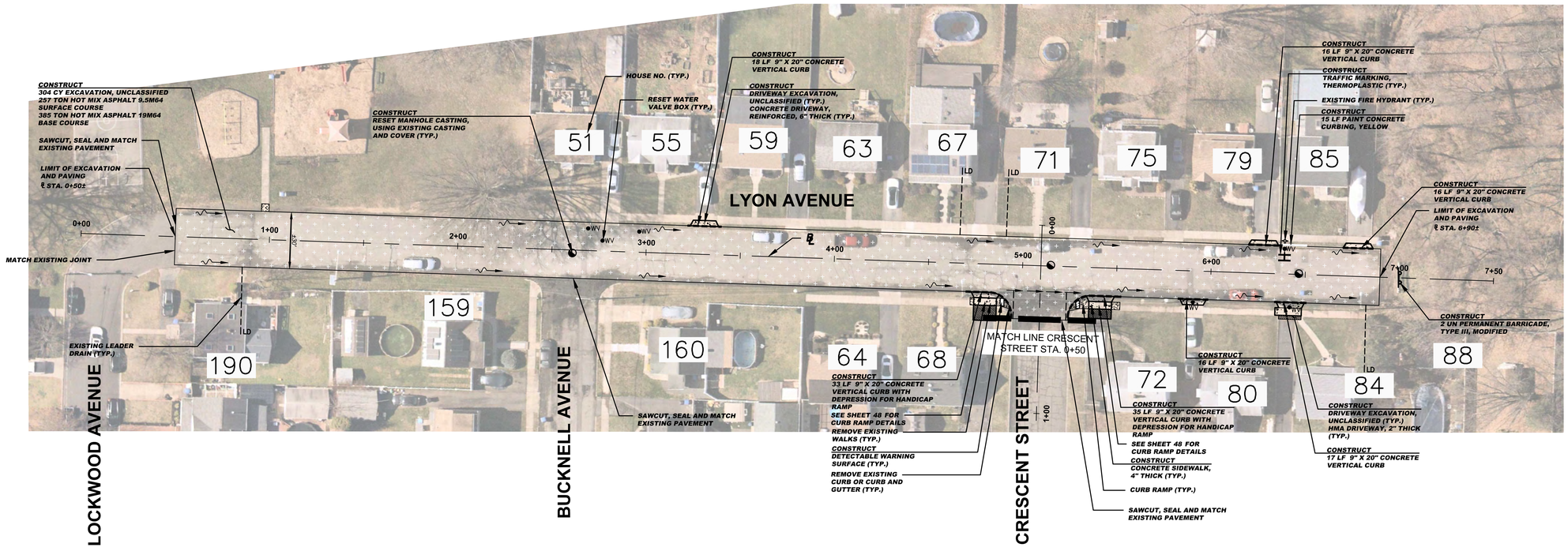
WARD 1

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
(732) 727 8000 (732) 462 7400
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	As Shown
DATE	April 2025
DRAWN BY	AW
DESIGNED BY	AW/PD
CHECKED BY	GO
SHEET	8 of 69
DRAWING NUMBER	C-5 / C-44

PROJECT NO. PWB0A616.01



CONSTRUCT (LYON AVENUE)

19	CY	DRIVEWAY EXCAVATION, UNCLASSIFIED
304	CY	EXCAVATION, UNCLASSIFIED
4378	LF	POLYMERIZED JOINT ADHESIVE
112	LF	PREPARE AND SEAL EXISTING JOINTS AND CRACKS IN ASPHALT PAVEMENT
257	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
385	TON	HOT MIX ASPHALT 19M64 BASE COURSE
3	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
12	SY	CONCRETE SIDEWALKS, 4" THICK
55	SY	CONCRETE DRIVEWAYS AND APRONS, REINFORCED, 6" THICK
14	SY	HOT MIX ASPHALT DRIVEWAY RESTORATION, 2" THICK
2	UN	DETECTABLE WARNING SURFACE
151	LF	9"X20" CONCRETE VERTICAL CURB
15	LF	PAINT CONCRETE CURBING
6	SF	TRAFFIC MARKINGS, THERMOPLASTIC
2	UN	PERMANENT BARRICADE, TYPE III, MODIFIED
6	UN	RESET WATER VALVE BOX
84	SY	TOPSOILING, 4" THICK
84	SY	FERTILIZING AND SEEDING
84	SY	TOPSOIL STABILIZATION, TYPE 2MAT

SPECIAL PROVISIONS

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PROPOSED CURB AND/OR ROADWAY REPLACEMENT

THE CONTRACTOR IS ADVISED THAT THEIR LICENSED LAND SURVEYOR SHALL PROVIDE THE CONSTRUCTION STAKEOUT FOR THE PROJECT AND THAT IS THE INTENT OF THE CONTRACT DOCUMENTS TO INSTALL THE NEW CURB, EDGE OF PAVEMENT, AND ROADWAY AT ITS PRESENT HORIZONTAL LOCATION AND VERTICAL LOCATION EXCEPT WHERE PROPOSED GRADES HAVE BEEN INDICATED ON THE PLAN. ACCORDINGLY, THE FULL RESPONSIBILITY FOR KEEPING AND MAINTAINING THE EXISTING ALIGNMENT AND GRADE PRIOR TO REMOVAL OF THE EXISTING CURB AND MILLING AND/OR EXCAVATION OF THE PAVEMENT SHALL REST UPON THE CONTRACTOR IN ACCORDANCE WITH DIVISION 1 GENERAL REQUIREMENTS SECTION 1-4.4 OF THE PROJECT SPECIFICATIONS.

BASELINES

BASELINES ARE APPROXIMATE AND ARE FOR REFERENCE PURPOSES ONLY. BASELINES ARE NOT TO BE UTILIZED FOR LAYOUT.

INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
- DENOTES APPROXIMATE LOCATION OF EXISTING LOW POINT
- DENOTES TRAFFIC MARKINGS, LONG LIFE, THERMOPLASTIC WITH GLASS BEADS, FOR FIRE HYDRANT
- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
- DENOTES EXISTING TREES OR STUMPS TO BE REMOVED
- DENOTES RESET BRICKWALK/ PAVERS
- DENOTES PROPOSED REINFORCED CONCRETE SIDEWALK
- DENOTES HOT MIX ASPHALT DRIVEWAY RESTORATION
- DENOTES CONCRETE DRIVEWAY RESTORATION
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE EXCAVATION) AND PAVING WITH 19M64 BASE COURSE
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE TEMPORARY TRENCH REPAIR)
- DENOTES PROPOSED CONCRETE SIDEWALK AND DRIVEWAY APRON
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No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – LYON AVENUE

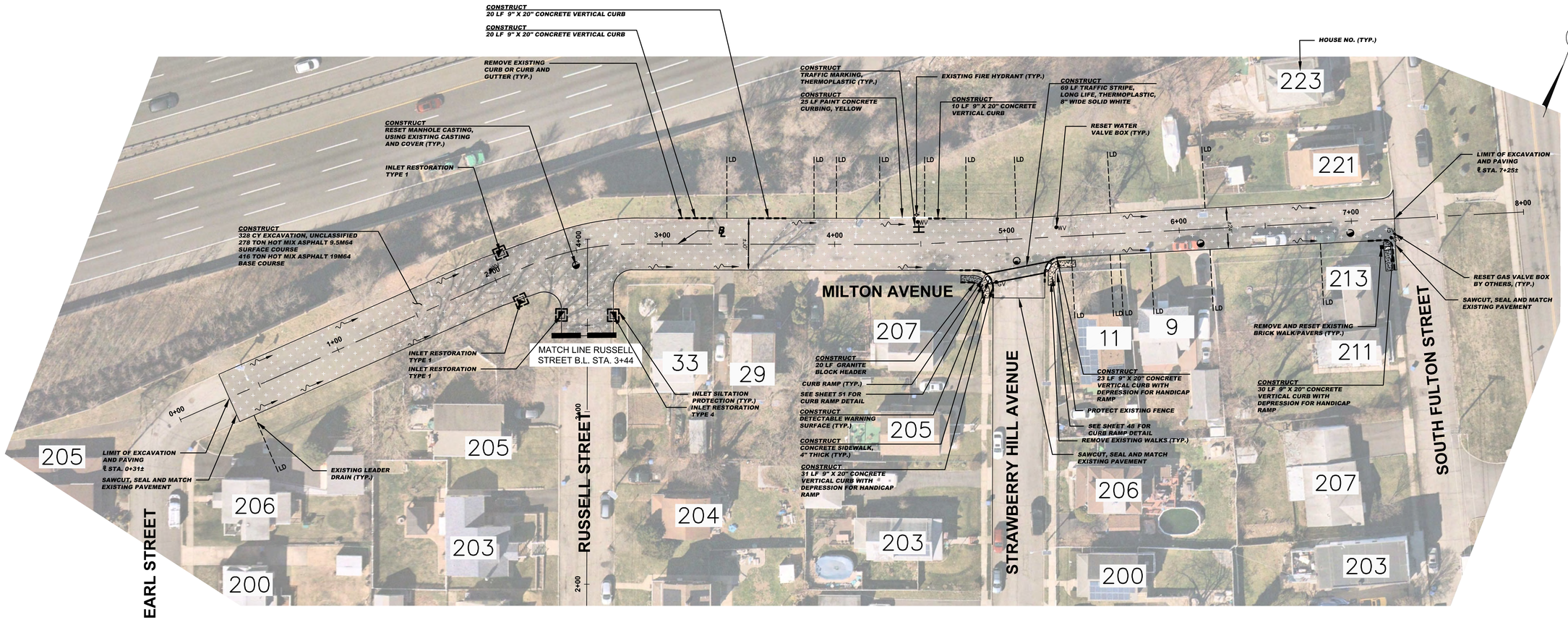
WARD 1

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
(732) 727 8000 (732) 462 7400
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	As Shown
DATE	April 2025
DRAWN BY	AW
DESIGNED BY	AW/PD
CHECKED BY	GO
SHEET	9 of 69
DRAWING NUMBER	C-6 / C-44

PROJECTION NO. PWB0A616.01



CONSTRUCT (MILTON AVENUE)

1	SY	REMOVE AND RESET EXISTING BRICK WALK/PAVERS
328	CY	EXCAVATION, UNCLASSIFIED
4950	LF	POLYMERIZED JOINT ADHESIVE
148	LF	PREPARE AND SEAL EXISTING JOINTS AND CRACKS IN ASPHALT PAVEMENT
278	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
416	TON	HOT MIX ASPHALT 19M64 BASE COURSE
4	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
4	UN	RESET EXISTING CASTING
3	UN	CURB PIECE, TYPE "N-ECO"
32	SY	CONCRETE SIDEWALKS, 4" THICK
3	SY	DETECTABLE WARNING SURFACE
134	LF	9"X20" CONCRETE VERTICAL CURB
20	LF	GRANITE BLOCK HEADER
25	LF	PAINT CONCRETE CURBING
69	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 8" WIDE
6	SF	TRAFFIC MARKINGS, THERMOPLASTIC
3	UN	RESET WATER VALVE BOX
3	UN	RESET GAS VALVE BOX
75	SY	TOPSOILING, 4" THICK
75	SY	FERTILIZING AND SEEDING
75	SY	TOPSOIL STABILIZATION, TYPE 2MAT

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BASELINES

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INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
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- DENOTES TRAFFIC MARKINGS, LONG LIFE, THERMOPLASTIC WITH GLASS BEADS, FOR FIRE HYDRANT
- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
- DENOTES EXISTING TREES OR STUMPS TO BE REMOVED
- DENOTES RESET BRICKWALK/ PAVERS
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- DENOTES CONCRETE DRIVEWAY RESTORATION
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No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – MILTON AVENUE

WARD 1

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
(732) 727 8000 (732) 462 7400
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

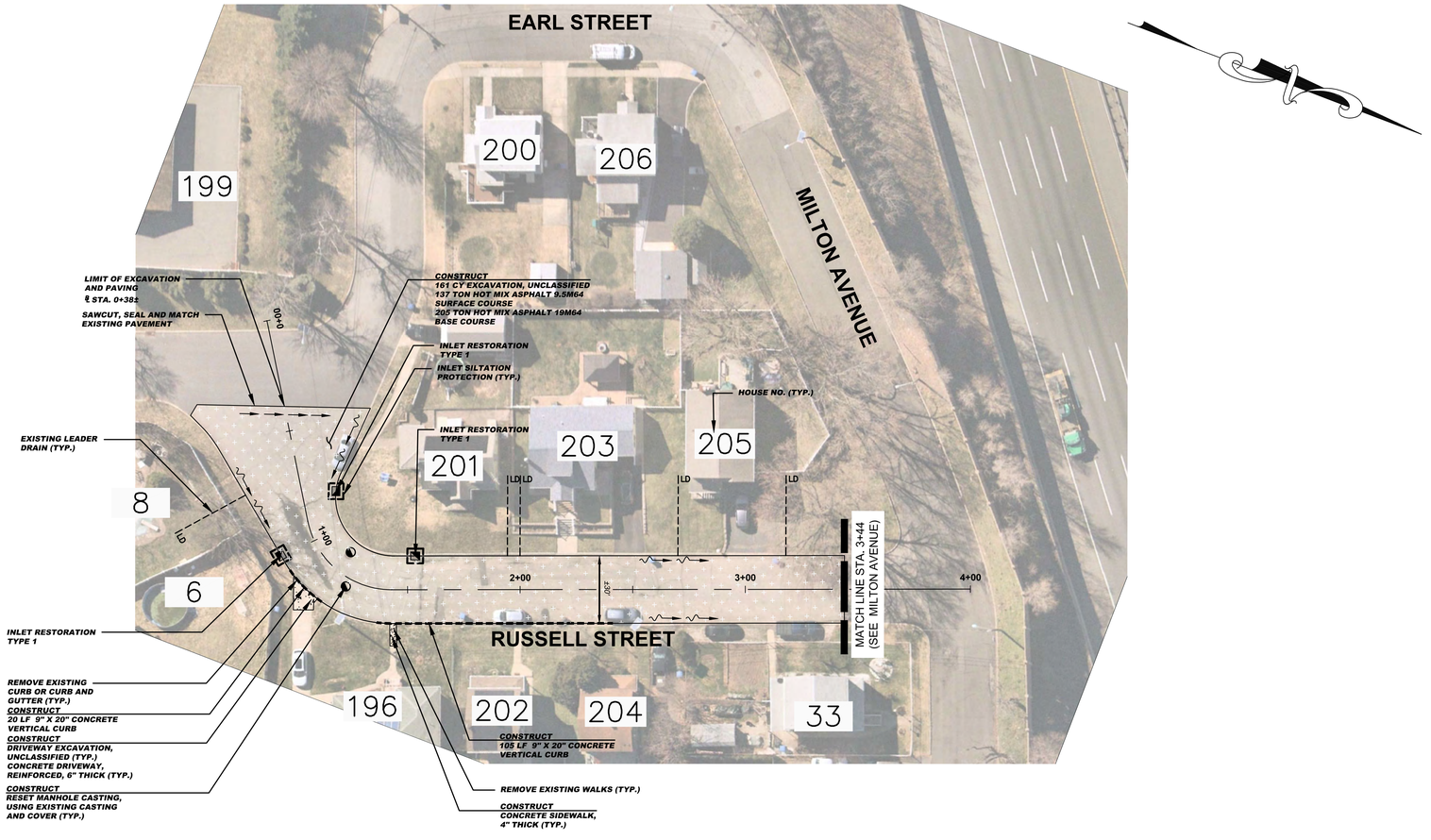
GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	As Shown
DATE	April 2025
DRAWN BY	AW
DESIGNED BY	AW/PD
CHECKED BY	GO
SHEET	10 of 69

PROJECT NO. PWB0A616.01

DRAWING NUMBER C-7

C-44



CONSTRUCT (RUSSELL STREET)

3	CY	DRIVEWAY EXCAVATION, UNCLASSIFIED
161	CY	EXCAVATION, UNCLASSIFIED
2262	LF	POLYMERIZED JOINT ADHESIVE
113	LF	PREPARE AND SEAL EXISTING JOINTS AND CRACKS IN ASPHALT PAVEMENT
137	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
205	TON	HOT MIX ASPHALT 19M64 BASE COURSE
2	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
3	UN	RESET EXISTING CASTING
3	UN	CURB PIECE, TYPE "N-ECO"
4	SY	CONCRETE SIDEWALKS, 4" THICK
11	SY	CONCRETE DRIVEWAYS AND APRONS, REINFORCED, 6" THICK
125	LF	9"X20" CONCRETE VERTICAL CURB
70	SY	TOPSOILING, 4" THICK
70	SY	FERTILIZING AND SEEDING
70	SY	TOPSOIL STABILIZATION, TYPE 2MAT

SPECIAL PROVISIONS

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BASELINES

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INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
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- DENOTES RESET INLET CASTING
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- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
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- DENOTES TRAFFIC MARKINGS, LONG LIFE, THERMOPLASTIC WITH GLASS BEADS, FOR FIRE HYDRANT
- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
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NO.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – RUSSELL STREET

WARD 1

CME ASSOCIATES
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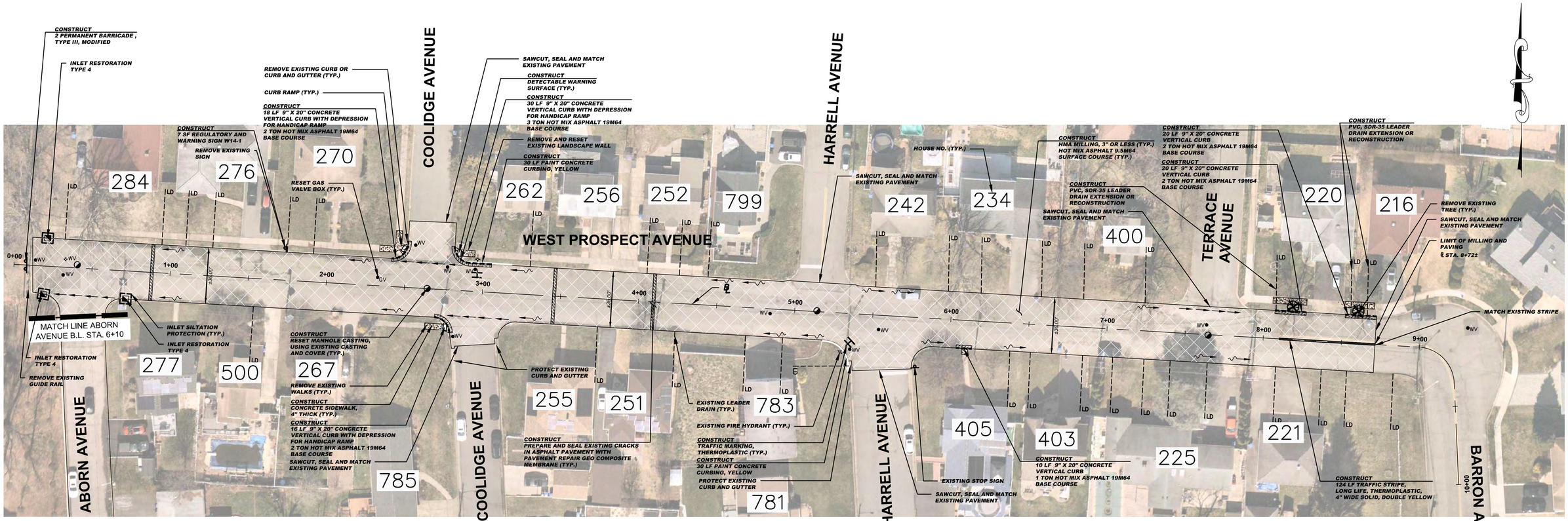
GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	DATE	DRAWING NUMBER
As Shown	April 2025	C-8
DRAWN BY AW	DESIGNED BY AW/PD	
CHECKED BY GO	SHEET 11of 69	C-44

PROJECT NO. PWBOA616.01

RESOLUTION NO.

TOWNSHIP OF WOODBRIDGE | **COUNTY OF MIDDLESEX**



CONSTRUCT (WEST PROSPECT AVENUE)

3720	SY	HMA MILLING, 3" OR LESS
3306	LF	POLYMERIZED JOINT ADHESIVE
260	LF	PREPARE AND SEAL EXISTING JOINTS AND CRACKS IN ASPHALT PAVEMENT
108	LF	PREPARE AND SEAL EXISTING TRANSVERSE CRACKS IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
523	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
12	TON	HOT MIX ASPHALT 19M64 BASE COURSE
3	UN	PVC, SDR-15 LEADER DRAIN EXTENSION OR RECONSTRUCTION
4	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
3	UN	RESET EXISTING CASTING
46	SY	CONCRETE SIDEWALKS, 4" THICK
3	SY	DETECTABLE WARNING SURFACE
116	LF	9"X20" CONCRETE VERTICAL CURB
60	LF	PAINT CONCRETE CURBING
124	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
12	SF	TRAFFIC MARKINGS, THERMOPLASTIC
7	SF	REGULATORY AND WARNING SIGN
1	UN	PERMANENT BARRICADE, TYPE III, MODIFIED
11	UN	RESET WATER VALVE BOX
65	SY	TOPSOILING, 4" THICK
65	SY	FERTILIZING AND SEEDING
65	SY	TOPSOIL STABILIZATION, TYPE 2MAT
2	UN	REPLACEMENT TREES

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BASELINES

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INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
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- DENOTES CONCRETE DRIVEWAY RESTORATION
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- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE AND 3" HOT MIX ASPHALT 19M64 BASE COURSE
- DENOTES AREA TO BE MILLED AND RECEIVE MIN. 2" HMA 9.5M64 SURFACE COURSE
- DENOTES AREA TO BE MILLED, EXISTING CRACK TO BE CLEANED AND SEALED, AND GEO COMPOSITE MATERIAL TO BE INSTALLED
- DENOTES AREA TO BE EXCAVATED UP TO 9" AND RECEIVE HMA 19M64 BASE COURSE
- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE 7" HOT MIX ASPHALT 19M64 BASE COURSE 6" DENSE GRADED AGGREGATE BASE COURSE
- DENOTES ROADWAY TRENCH REPAIR AREA 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE, 7" HOT MIX ASPHALT 19M64 BASE COURSE, AND 6" DENSE GRADED AGGREGATE BASE COURSE

DEAD END

W14-1
30"x30"

SIGN LEGEND

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – WEST PROSPECT AVENUE

WARD 1

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
(732) 727 8000 (732) 462 7400
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000

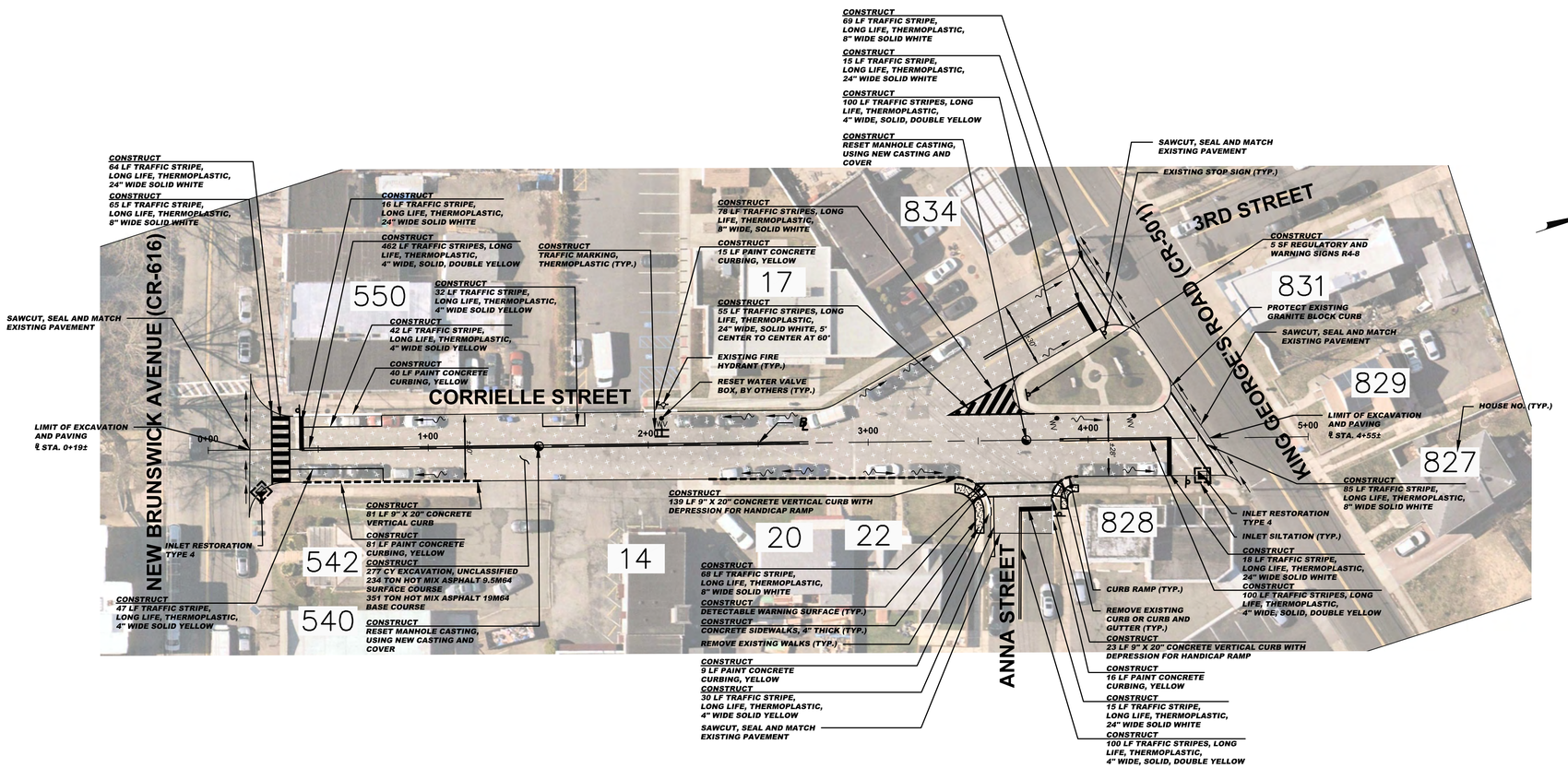
GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	As Shown	DATE	April 2025
DRAWN BY	AW	DESIGNED BY	AW/PD
CHECKED BY	GO	SHEET	12 of 69

DRAWING NUMBER C-9 / C-44

PROJECT NO. PWB0A616.01

TOWNSHIP OF WOODBRIDGE | **COUNTY OF MIDDLESEX**



R4-8
24"x30"

SIGN LEGEND

N.T.S.

CONSTRUCT (CORRIELLE STREET)

277	CY	EXCAVATION, UNCLASSIFIED
3372	LF	POLYMERIZED JOINT ADHESIVE
209	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
234	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
351	TON	HOT MIX ASPHALT 19M64 BASE COURSE
2	UN	RESET MANHOLE CASTING, USING NEW CASTING AND COVER
2	UN	RESET EXISTING CASTING
21	SY	CONCRETE SIDEWALKS, 4" THICK
2	SY	DETECTABLE WARNING SURFACE
243	LF	9"X20" CONCRETE VERTICAL CURB
161	LF	PAINT CONCRETE CURBING
913	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
365	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 8" WIDE
183	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
6	SF	TRAFFIC MARKINGS, THERMOPLASTIC
5	SF	REGULATORY AND WARNING SIGNS
3	UN	RESET WATER VALVE BOX
135	SY	TOPSOILING, 4" THICK
135	SY	FERTILIZING AND SEEDING
135	SY	TOPSOIL STABILIZATION, TYPE 2 MAT

SPECIAL PROVISIONS

THE CONTRACTOR IS SPECIFICALLY DIRECTED TO THE REQUIREMENTS CONTAINED IN THE SPECIAL PROVISIONS SECTION OF THE CONTRACT SPECIFICATIONS.

PROPOSED CURB AND/OR ROADWAY REPLACEMENT

THE CONTRACTOR IS ADVISED THAT THEIR LICENSED LAND SURVEYOR SHALL PROVIDE THE CONSTRUCTION STAKEOUT FOR THE PROJECT AND THAT IS THE INTENT OF THE CONTRACT DOCUMENTS TO INSTALL THE NEW CURB, EDGE OF PAVEMENT, AND ROADWAY AT ITS PRESENT HORIZONTAL LOCATION AND VERTICAL LOCATION EXCEPT WHERE PROPOSED GRADES HAVE BEEN INDICATED ON THE PLAN. ACCORDINGLY, THE FULL RESPONSIBILITY FOR KEEPING AND MAINTAINING THE EXISTING ALIGNMENT AND GRADE PRIOR TO REMOVAL OF THE EXISTING CURB AND MILLING AND/OR EXCAVATION OF THE PAVEMENT SHALL REST UPON THE CONTRACTOR IN ACCORDANCE WITH DIVISION 1 GENERAL REQUIREMENTS SECTION 1-4.4 OF THE PROJECT SPECIFICATIONS.

BASELINES

BASELINES ARE APPROXIMATE AND ARE FOR REFERENCE PURPOSES ONLY. BASELINES ARE NOT TO BE UTILIZED FOR LAYOUT.

INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
- DENOTES APPROXIMATE LOCATION OF EXISTING LOW POINT
- DENOTES TRAFFIC MARKINGS, LONG LIFE, THERMOPLASTIC WITH GLASS BEADS, FOR FIRE HYDRANT
- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
- DENOTES EXISTING TREES OR STUMPS TO BE REMOVED
- DENOTES RESET BRICKWALK/ PAVERS
- DENOTES PROPOSED REINFORCED CONCRETE SIDEWALK
- DENOTES HOT MIX ASPHALT DRIVEWAY RESTORATION
- DENOTES CONCRETE DRIVEWAY RESTORATION
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE EXCAVATION) AND PAVING WITH 19M64 BASE COURSE
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE TEMPORARY TRENCH REPAIR)
- DENOTES PROPOSED CONCRETE SIDEWALK AND DRIVEWAY APRON
- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE AND 3" HOT MIX ASPHALT 19M64 BASE COURSE
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No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – CORRIELLE STREET

WARD 2

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
(732) 727 8000 (732) 462 7400
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

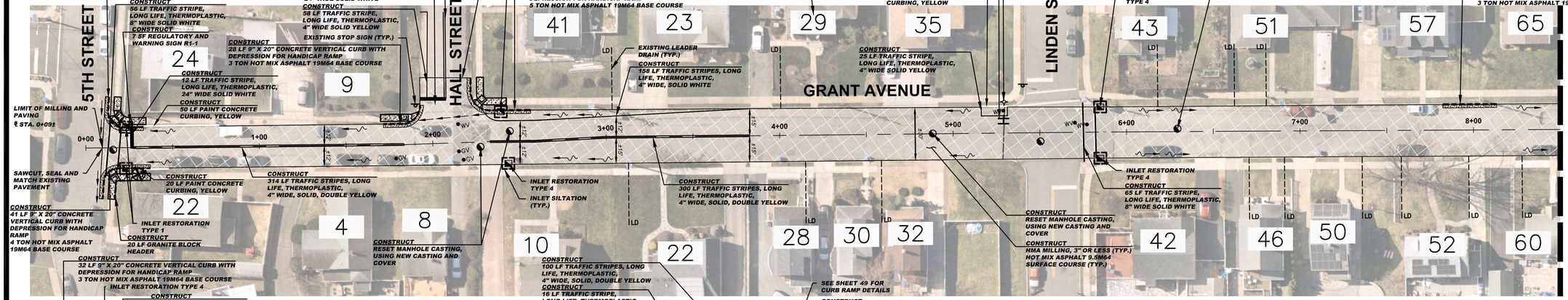
GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

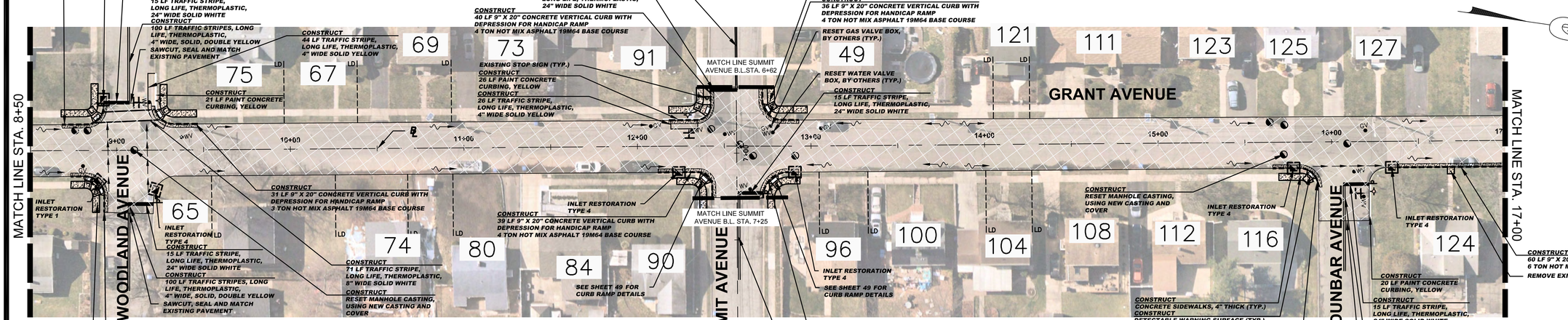
SCALE	As Shown
DATE	April 2025
DRAWN BY	OT
DESIGNED BY	OT/PD
CHECKED BY	GO
SHEET	13of 69
DRAWING NUMBER	C-10 / C-44

PROJECT NO. PWBOA616.01
RESOLUTION NO.

TOWNSHIP OF WOODBRIDGE

COUNTY OF MIDDLESEX





CONSTRUCT (GRANT AVENUE)

6796	SY	HMA MILLING, 3" OR LESS
6765	LF	POLYMERIZED JOINT ADHESIVE
316	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
988	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
54	TON	HOT MIX ASPHALT 19M64 BASE COURSE
5	UN	RESET MANHOLE CASTING, USING NEW CASTING AND COVER
13	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
15	UN	RESET EXISTING CASTING
1	UN	RECONSTRUCT, INLET TYPE B, 8" HEAD
3	UN	CURB PIECE, TYPE "P-ECO"
130	SY	CONCRETE SIDEWALKS, 4" THICK
13	SY	DETECTABLE WARNING SURFACE
523	LF	9"X20" CONCRETE VERTICAL CURB
20	LF	GRANITE BLOCK HEADER
152	LF	PAINT CONCRETE CURBING
1581	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
289	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 8" WIDE
118	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
24	SF	TRAFFIC MARKINGS, THERMOPLASTIC
7	SF	REGULATORY AND WARNING SIGNS
11	UN	RESET WATER VALVE BOX
9	UN	RESET GAS VALVE BOX
291	SY	TOPSOILING, 4" THICK
291	SY	FERTILIZING AND SEEDING
291	SY	TOPSOIL STABILIZATION, TYPE 2 MAT

STOP

R1-1
30" x 30"

NOTE:
1. ALL SIGNS SHALL MEET MINIMUM RETROREFELCTIVITY LEVEL STANDARDS.

SIGN LEGEND

N.T.S.

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

BASELINES

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INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
- DENOTES APPROXIMATE LOCATION OF EXISTING LOW POINT
- DENOTES TRAFFIC MARKINGS, LONG LIFE, THERMOPLASTIC WITH GLASS BEADS, FOR FIRE HYDRANT
- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
- DENOTES EXISTING TREES OR STUMPS TO BE REMOVED
- DENOTES RESET BRICKWALK/ PAVERS
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- DENOTES HOT MIX ASPHALT DRIVEWAY RESTORATION
- DENOTES CONCRETE DRIVEWAY RESTORATION
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE EXCAVATION) AND PAVING WITH 19M64 BASE COURSE
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE TEMPORARY TRENCH REPAIR)
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- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE AND 3" HOT MIX ASPHALT 19M64 BASE COURSE
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SPECIAL PROVISIONS

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PROPOSED CURB AND/OR ROADWAY REPLACEMENT

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No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – GRANT AVENUE

WARD 2

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
(732) 727 8000 (732) 462 7400
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28019000

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	As Shown
DATE	April 2025
DRAWN BY	OT
DESIGNED BY	OT/PD
CHECKED BY	GO
SHEET	14 of 69

DRAWING NUMBER C-11 C-44

PROJECT NO. PWB0A616.01

TOWNSHIP OF WOODBRIDGE **COUNTY OF MIDDLESEX**



SPECIAL PROVISIONS

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CONSTRUCT (HEIDI DRIVE)

467	CY	EXCAVATION, UNCLASSIFIED
6166	LF	POLYMERIZED JOINT ADHESIVE
30	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
395	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
592	TON	HOT MIX ASPHALT 19M64 BASE COURSE
3	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
1	UN	RESET MANHOLE CASTING, USING NEW CASTING AND COVER
3	UN	RESET EXISTING CASTING
3	UN	CURB PIECE, TYPE "N-ECO"
40	LF	PAINT CONCRETE CURBING
12	SF	TRAFFIC MARKINGS, THERMOPLASTIC
4	UN	RESET WATER VALVE BOX

BASELINES

BASELINES ARE APPROXIMATE AND ARE FOR REFERENCE PURPOSES ONLY. BASELINES ARE NOT TO BE UTILIZED FOR LAYOUT.

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
- DENOTES APPROXIMATE LOCATION OF EXISTING LOW POINT
- DENOTES TRAFFIC MARKINGS, LONG LIFE, THERMOPLASTIC WITH GLASS BEADS, FOR FIRE HYDRANT
- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
- DENOTES EXISTING TREES OR STUMPS TO BE REMOVED
- DENOTES RESET BRICKWALK/ PAVERS
- DENOTES PROPOSED REINFORCED CONCRETE SIDEWALK
- DENOTES HOT MIX ASPHALT DRIVEWAY RESTORATION
- DENOTES CONCRETE DRIVEWAY RESTORATION
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE EXCAVATION) AND PAVING WITH 19M64 BASE COURSE
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE TEMPORARY TRENCH REPAIR)
- DENOTES PROPOSED CONCRETE SIDEWALK AND DRIVEWAY APRON
- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE AND 3" HOT MIX ASPHALT 19M64 BASE COURSE
- DENOTES AREA TO BE MILLED AND RECEIVE MIN. 2" HMA 9.5M64 SURFACE COURSE
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No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – HEIDI DRIVE

WARD 2

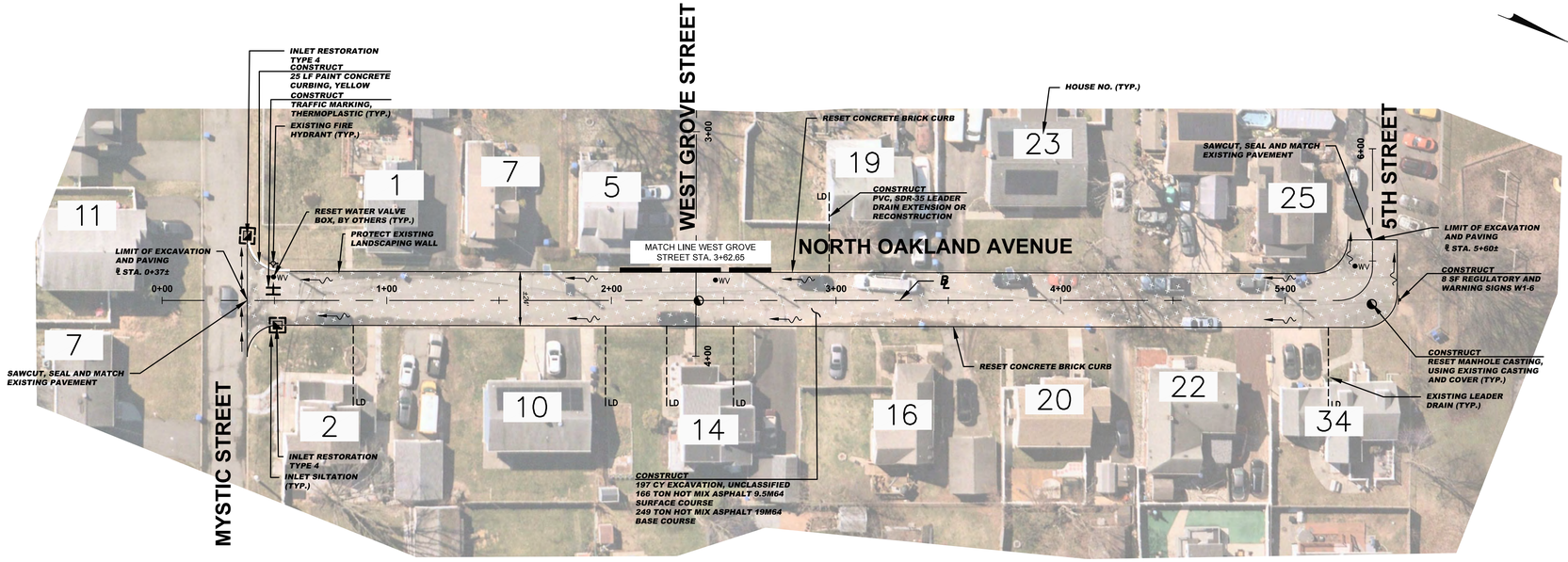
CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 (732) 727 8000
1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194 (732) 462 7400

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	As Shown	DATE	April 2025
DRAWN BY	OT	DESIGNED BY	OT/PD
CHECKED BY	GO	SHEET	15of 69

DRAWING NUMBER C-12 / C-44

REGISTER NO. PW B0A616.01



M6-1(L)
48"x24"

CONSTRUCT (NORTH OAKLAND AVENUE)

197	CY	EXCAVATION, UNCLASSIFIED
3566	LF	POLYMERIZED JOINT ADHESIVE
122	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
166	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
249	TON	HOT MIX ASPHALT 19M64 BASE COURSE
1	UN	PVC, SDR-35 LEADER DRAIN EXTENSION OR RECONSTRUCTION
2	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
2	LF	RESET EXISTING CASTING
25	LF	PAINT CONCRETE CURBING
6	SF	TRAFFIC MARKINGS, THERMOPLASTIC
8	SF	REGULATORY AND WARNING SIGNS
3	UN	RESET WATER VALVE BOX

SPECIAL PROVISIONS

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PROPOSED CURB AND/OR ROADWAY REPLACEMENT

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BASELINES

BASELINES ARE APPROXIMATE AND ARE FOR REFERENCE PURPOSES ONLY. BASELINES ARE NOT TO BE UTILIZED FOR LAYOUT.

INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
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- DENOTES BENCH MARK LOCATION
- DENOTES EXISTING TREES OR STUMPS TO BE REMOVED
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- DENOTES PROPOSED REINFORCED CONCRETE SIDEWALK
- DENOTES HOT MIX ASPHALT DRIVEWAY RESTORATION
- DENOTES CONCRETE DRIVEWAY RESTORATION
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE EXCAVATION) AND PAVING WITH 19M64 BASE COURSE
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE TEMPORARY TRENCH REPAIR)
- DENOTES PROPOSED CONCRETE SIDEWALK AND DRIVEWAY APRON
- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE AND 3" HOT MIX ASPHALT 19M64 BASE COURSE
- DENOTES AREA TO BE MILLED AND RECEIVE MIN. 2" HMA 9.5M64 SURFACE COURSE
- DENOTES AREA TO BE MILLED, EXISTING CRACK TO BE CLEANED AND SEALED, AND GEO COMPOSITE MATERIAL TO BE INSTALLED
- DENOTES AREA TO BE EXCAVATED UP TO 9" AND RECEIVE HMA 19M64 BASE COURSE
- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE 7" HOT MIX ASPHALT 19M64 BASE COURSE 6" DENSE GRADED AGGREGATE BASE COURSE
- DENOTES ROADWAY TRENCH REPAIR AREA 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE, 7" HOT MIX ASPHALT 19M64 BASE COURSE, AND 6" DENSE GRADED AGGREGATE BASE COURSE

NO.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – NORTH OAKLAND AVENUE

WARD 2

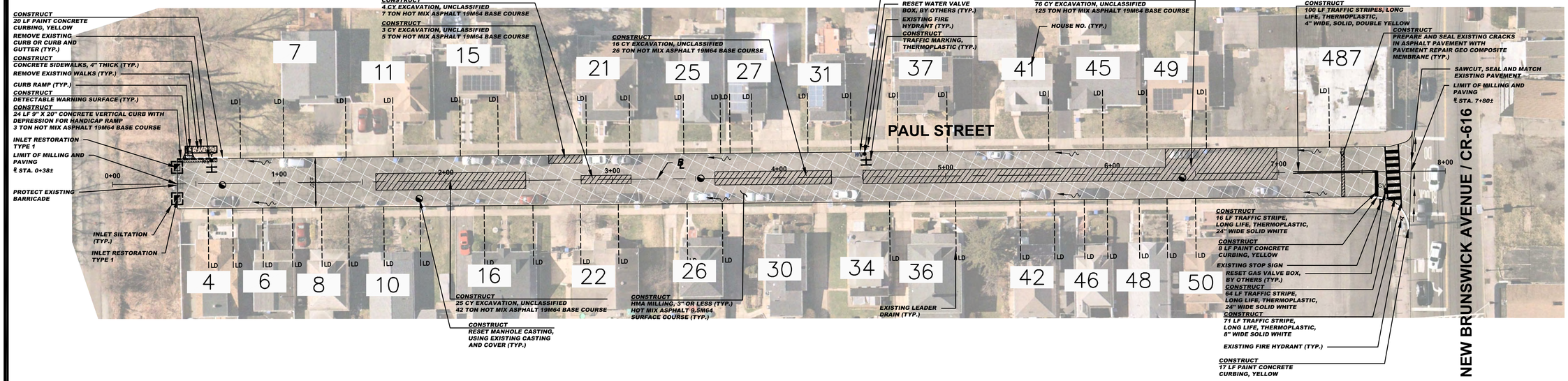
CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
(732) 727 8000 (732) 462 7400
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	As Shown
DATE	April 2025
DRAWN BY	OT
DESIGNED BY	OT/PD
CHECKED BY	GO
SHEET	16 of 69

PROJECT NO. PWB0A616.01

DRAWING NUMBER C-13 C-44



SPECIAL PROVISIONS

THE CONTRACTOR IS SPECIFICALLY DIRECTED TO THE REQUIREMENTS CONTAINED IN THE SPECIAL PROVISIONS SECTION OF THE CONTRACT SPECIFICATIONS.

PROPOSED CURB AND/OR ROADWAY REPLACEMENT

THE CONTRACTOR IS ADVISED THAT THEIR LICENSED LAND SURVEYOR SHALL PROVIDE THE CONSTRUCTION STAKEOUT FOR THE PROJECT AND THAT IS THE INTENT OF THE CONTRACT DOCUMENTS TO INSTALL THE NEW CURB, EDGE OF PAVEMENT, AND ROADWAY AT ITS PRESENT HORIZONTAL LOCATION AND VERTICAL LOCATION EXCEPT WHERE PROPOSED GRADES HAVE BEEN INDICATED ON THE PLAN. ACCORDINGLY, THE FULL RESPONSIBILITY FOR KEEPING AND MAINTAINING THE EXISTING ALIGNMENT AND GRADE PRIOR TO REMOVAL OF THE EXISTING CURB AND MILLING AND/OR EXCAVATION OF THE PAVEMENT SHALL REST UPON THE CONTRACTOR IN ACCORDANCE WITH DIVISION 1 GENERAL REQUIREMENTS SECTION 1-4.4 OF THE PROJECT SPECIFICATIONS.

CONSTRUCT (PAUL STREET)

124	CY	EXCAVATION, UNCLASSIFIED
2483	SY	HMA MILLING, 3" OR LESS
4573	LF	POLYMERIZED JOINT ADHESIVE
59	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
30	LF	PREPARE AND SEAL EXISTING TRANSVERSE CRACK IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
367	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
208	TON	HOT MIX ASPHALT 19M64 BASE COURSE
4	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
2	UN	RESET EXISTING CASTING
2	UN	CURB PIECE, TYPE "N-ECO"
11	SY	CONCRETE SIDEWALKS, 4" THICK
1	SY	DETECTABLE WARNING SURFACE
24	LF	9"X20" CONCRETE VERTICAL CURB
55	LF	PAINT CONCRETE CURBING
100	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
71	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 8" WIDE
80	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
12	SF	TRAFFIC MARKINGS, THERMOPLASTIC
2	UN	RESET WATER VALVE BOX
2	UN	RESET GAS VALVE BOX
4	SY	TOPSOILING, 4" THICK
4	SY	FERTILIZING AND SEEDING
4	SY	TOPSOIL STABILIZATION, TYPE 2 MAT

BASELINES

BASELINES ARE APPROXIMATE AND ARE FOR REFERENCE PURPOSES ONLY. BASELINES ARE NOT TO BE UTILIZED FOR LAYOUT.

INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
- DENOTES APPROXIMATE LOCATION OF EXISTING LOW POINT
- DENOTES TRAFFIC MARKINGS, LONG LIFE, THERMOPLASTIC WITH GLASS BEADS, FOR FIRE HYDRANT
- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
- DENOTES EXISTING TREES OR STUMPS TO BE REMOVED
- DENOTES RESET BRICKWALK/ PAVERS
- DENOTES PROPOSED REINFORCED CONCRETE SIDEWALK
- DENOTES HOT MIX ASPHALT DRIVEWAY RESTORATION
- DENOTES CONCRETE DRIVEWAY RESTORATION
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE EXCAVATION) AND PAVING WITH 19M64 BASE COURSE
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE TEMPORARY TRENCH REPAIR)
- DENOTES PROPOSED CONCRETE SIDEWALK AND DRIVEWAY APRON
- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE AND 3" HOT MIX ASPHALT 19M64 BASE COURSE
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No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – PAUL STREET

WARD 2

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 (732) 727 8000
1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194 (732) 462 7400

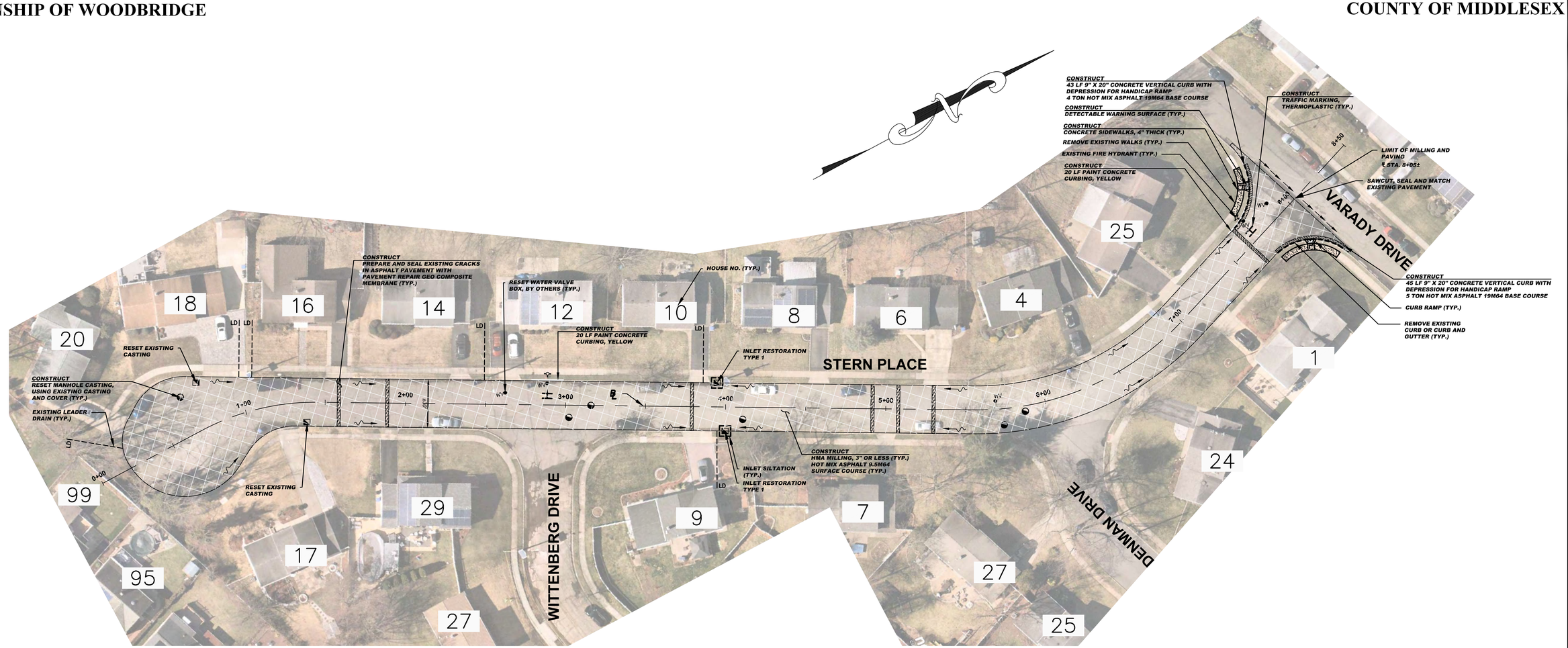
GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	As Shown
DATE	April 2025
DRAWN BY	OT
DESIGNED BY	OT/PD
CHECKED BY	GO
SHEET	17of 69

DRAWING NUMBER C-14 C-44

PROJECT NO. PWBOA616.01

TOWNSHIP OF WOODBRIDGE — **COUNTY OF MIDDLESEX**



CONSTRUCT (STERN PLACE)

2971	SY	HMA MILLING, 3" OR LESS
2779	LF	POLYMERIZED JOINT ADHESIVE
304	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
210	LF	PREPARE AND SEAL EXISTING TRANSVERSE CRACK IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
428	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
9	TON	HOT MIX ASPHALT 19M64 BASE COURSE
6	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
4	UN	RESET EXISTING CASTING
2	UN	CURB PIECE, TYPE "N-ECO"
34	SY	CONCRETE SIDEWALKS, 4" THICK
2	SY	DETECTABLE WARNING SURFACE
88	LF	9"X20" CONCRETE VERTICAL CURB
40	LF	PAINT CONCRETE CURBING
12	SF	TRAFFIC MARKINGS, THERMOPLASTIC
5	UN	RESET WATER VALVE BOX
49	SY	TOPSOILING, 4" THICK
49	SY	FERTILIZING AND SEEDING
49	SY	TOPSOIL STABILIZATION, TYPE 2 MAT

SPECIAL PROVISIONS

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PROPOSED CURB AND/OR ROADWAY REPLACEMENT

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BASELINES

BASELINES ARE APPROXIMATE AND ARE FOR REFERENCE PURPOSES ONLY. BASELINES ARE NOT TO BE UTILIZED FOR LAYOUT.

INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
- DENOTES APPROXIMATE LOCATION OF EXISTING LOW POINT
- DENOTES TRAFFIC MARKINGS, LONG LIFE, THERMOPLASTIC WITH GLASS BEADS, FOR FIRE HYDRANT
- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
- DENOTES EXISTING TREES OR STUMPS TO BE REMOVED
- DENOTES RESET BRICKWALK/ PAVERS
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- DENOTES CONCRETE DRIVEWAY RESTORATION
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE EXCAVATION) AND PAVING WITH 19M64 BASE COURSE
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NO.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – STERN PLACE

WARD 2

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
(732) 727 8000 (732) 462 7400
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28259900
1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

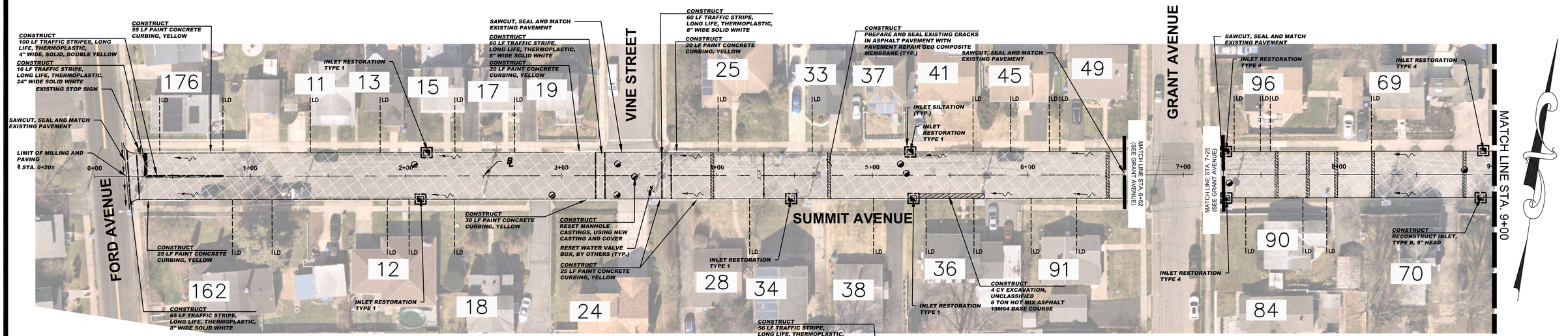
GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

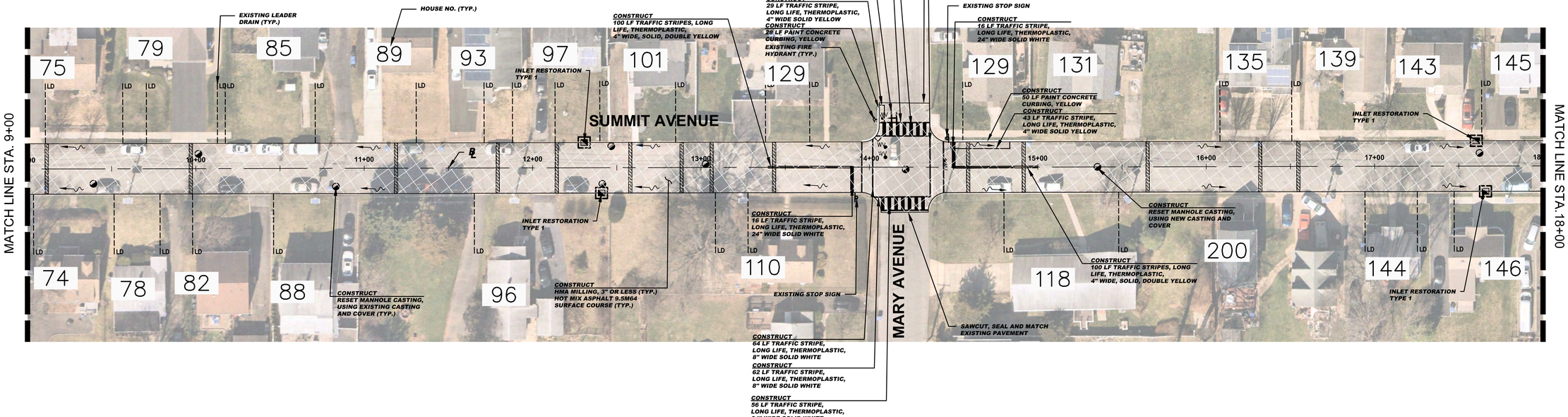
SCALE: As Shown	DATE: April 2025	DRAWING NUMBER: C-15
DRAWN BY: OT	DESIGNED BY: OT/PD	
CHECKED BY: GO	SHEET: 18 of 69	C-44

PROJECT NO.: PWB0A616.01

TOWNSHIP OF WOODBRIDGE

COUNTY OF MIDDLESEX





GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

SPECIAL PROVISIONS

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PROPOSED CURB AND/OR ROADWAY REPLACEMENT

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CONSTRUCT (SUMMIT AVENUE (1 OF 2))

4	CY	EXCAVATION, UNCLASSIFIED
5847	SY	HMA MILLING, 3" OR LESS
6096	LF	POLYMERIZED JOINT ADHESIVE
206	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
660	LF	PREPARE AND SEAL EXISTING TRANSVERSE CRACK IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
859	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
6	TON	HOT MIX ASPHALT 19M64 BASE COURSE
15	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
2	UN	RESET MANHOLE CASTING, USING NEW CASTING AND COVER
10	UN	RESET EXISTING CASTING
9	UN	CURB PIECE, TYPE "N-ECO"
1	UN	RECONSTRUCT INLET, TYPE B, 8" HEAD
253	LF	PAINT CONCRETE CURBING
392	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
320	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 8" WIDE
160	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
6	SF	TRAFFIC MARKINGS, THERMOPLASTIC
5	UN	RESET WATER VALVE BOX

INLET RESTORATION:

TYPE 1 - RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO

TYPE 2 - RESET EXISTING CASTING BICYCLE SAFE GRATE

TYPE 3 - RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE

TYPE 4 - RESET EXISTING CASTING

BASELINES

BASELINES ARE APPROXIMATE AND ARE FOR REFERENCE PURPOSES ONLY. BASELINES ARE NOT TO BE UTILIZED FOR LAYOUT.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
- DENOTES APPROXIMATE LOCATION OF EXISTING LOW POINT
- DENOTES TRAFFIC MARKINGS, LONG LIFE, THERMOPLASTIC WITH GLASS BEADS, FOR FIRE HYDRANT
- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
- DENOTES EXISTING TREES OR STUMPS TO BE REMOVED
- DENOTES RESET BRICKWALK/ PAVERS
- DENOTES PROPOSED REINFORCED CONCRETE SIDEWALK
- DENOTES HOT MIX ASPHALT DRIVEWAY RESTORATION
- DENOTES CONCRETE DRIVEWAY RESTORATION
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE EXCAVATION) AND PAVING WITH 19M64 BASE COURSE
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NO.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – SUMMIT AVENUE (1 OF 2)

WARD 2

REVISION NO.

BY PID PWB0A616.01

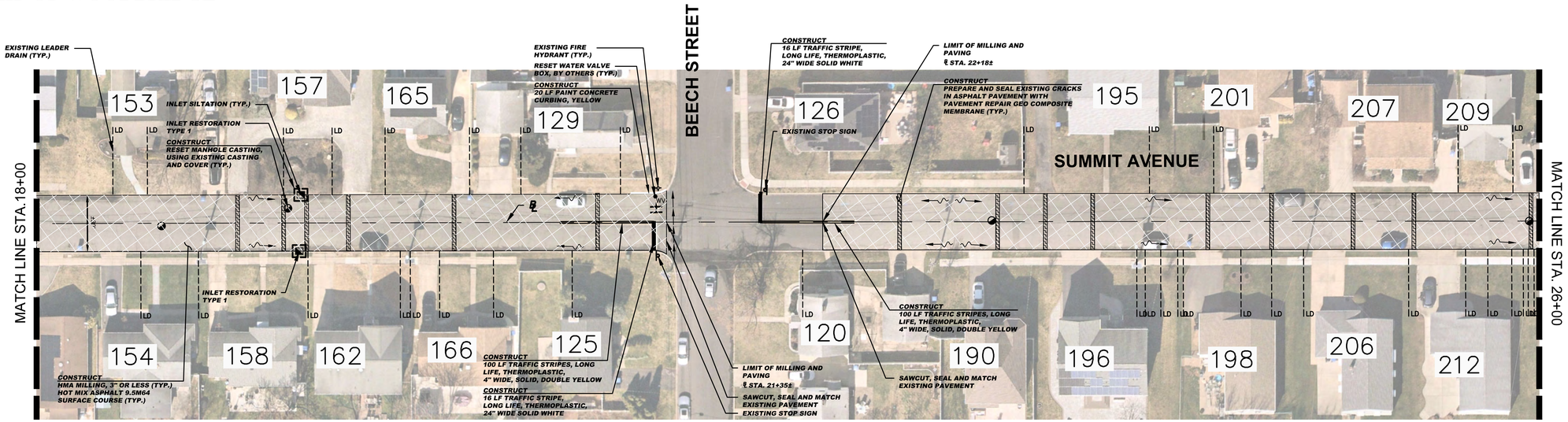
CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
(732) 727 8000 (732) 462 7400
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

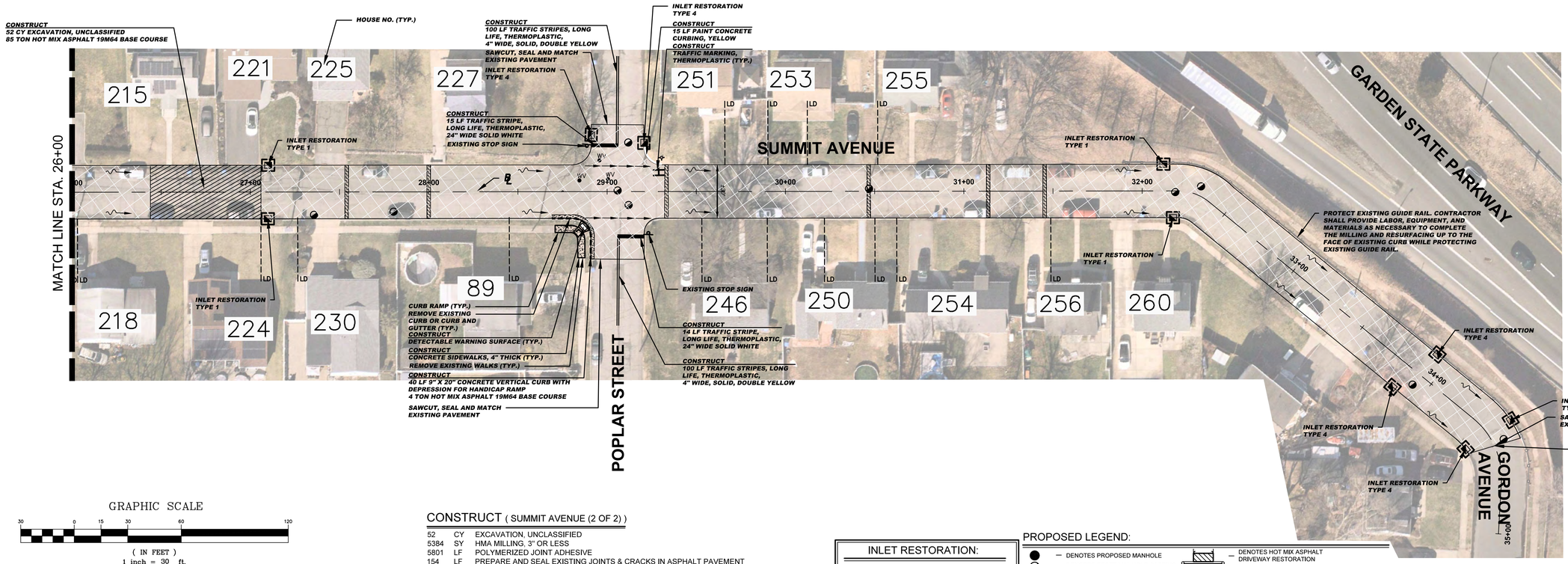
GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	As Shown
DATE	April 2025
DRAWN BY	OT
DESIGNED BY	OT/PD
CHECKED BY	GO
SHEET	19 of 69
DRAWING NUMBER	C-16
	C-44

TOWNSHIP OF WOODBRIDGE

COUNTY OF MIDDLESEX





GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

SPECIAL PROVISIONS

THE CONTRACTOR IS SPECIFICALLY DIRECTED TO THE REQUIREMENTS CONTAINED IN THE SPECIAL PROVISIONS SECTION OF THE CONTRACT SPECIFICATIONS.

PROPOSED CURB AND/OR ROADWAY REPLACEMENT

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CONSTRUCT (SUMMIT AVENUE (2 OF 2))

52	CY	EXCAVATION, UNCLASSIFIED
5384	SY	HMA MILLING, 3" OR LESS
5801	LF	POLYMERIZED JOINT ADHESIVE
154	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
630	LF	PREPARE AND SEAL EXISTING TRANSVERSE CRACK IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
790	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
89	TON	HOT MIX ASPHALT 19M64 BASE COURSE
14	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
12	UN	RESET EXISTING CASTING
6	UN	CURB PIECE, TYPE "N-ECO"
16	SY	CONCRETE SIDEWALKS, 4" THICK
1	SY	DETECTABLE WARNING SURFACE
40	LF	9"X20" CONCRETE VERTICAL CURB
35	LF	PAINT CONCRETE CURBING
400	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
61	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
12	SF	TRAFFIC MARKINGS, THERMOPLASTIC
4	UN	RESET WATER VALVE BOX
23	SY	TOPSOILING, 4" THICK
23	SY	FERTILIZING AND SEEDING
23	SY	TOPSOIL STABILIZATION, TYPE 2 MAT

INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

BASELINES

BASELINES ARE APPROXIMATE AND ARE FOR REFERENCE PURPOSES ONLY. BASELINES ARE NOT TO BE UTILIZED FOR LAYOUT.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
- DENOTES APPROXIMATE LOCATION OF EXISTING LOW POINT
- DENOTES TRAFFIC MARKINGS, LONG LIFE, THERMOPLASTIC WITH GLASS BEADS, FOR FIRE HYDRANT
- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
- DENOTES EXISTING TREES OR STUMPS TO BE REMOVED
- DENOTES RESET BRICKWALK/ PAVERS
- DENOTES PROPOSED REINFORCED CONCRETE SIDEWALK
- DENOTES HOT MIX ASPHALT DRIVEWAY RESTORATION
- DENOTES CONCRETE DRIVEWAY RESTORATION
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE EXCAVATION) AND PAVING WITH 19M64 BASE COURSE
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE TEMPORARY TRENCH REPAIR)
- DENOTES PROPOSED CONCRETE SIDEWALK AND DRIVEWAY APRON
- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE AND 3" HOT MIX ASPHALT 19M64 BASE COURSE
- DENOTES AREA TO BE MILLED AND RECEIVE MIN. 2" HMA 9.5M64 SURFACE COURSE
- DENOTES AREA TO BE MILLED, EXISTING CRACK TO BE CLEANED AND SEALED, AND GEO COMPOSITE MATERIAL TO BE INSTALLED
- DENOTES AREA TO BE EXCAVATED UP TO 9" AND RECEIVE HMA 19M64 BASE COURSE
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NO.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – SUMMIT AVENUE (2 OF 2)

WARD 2

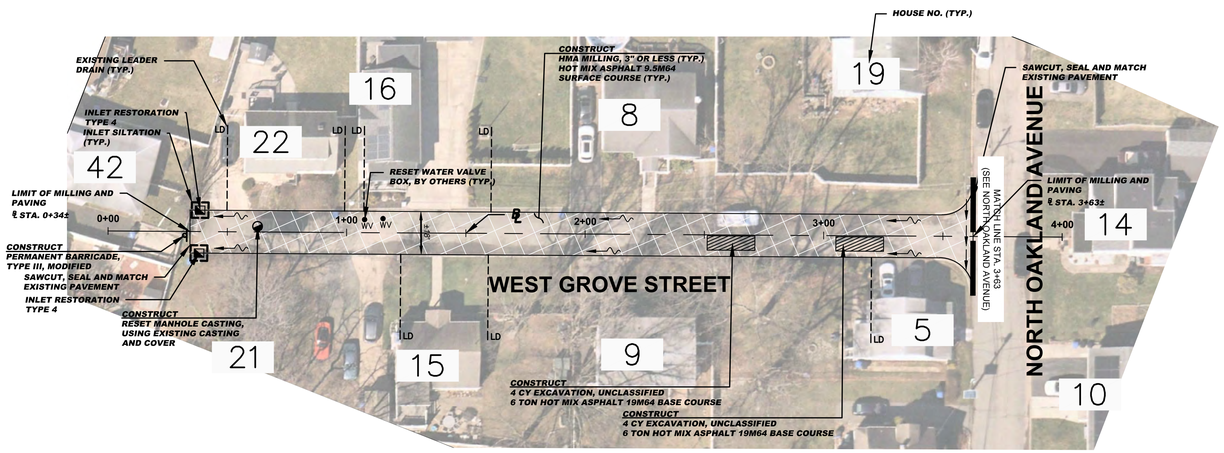
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PW BID PWB0A616.01

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
(732) 727 8000 (732) 462 7400
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	As Shown
DATE	April 2025
DRAWN BY	OT
DESIGNED BY	OT/PD
CHECKED BY	GO
SHEET	20of 69
DRAWING NUMBER	C-17
	C-44



CONSTRUCT (WEST GROVE STREET)

8	CY	EXCAVATION, UNCLASSIFIED
666	SY	HMA MILLING, 3" OR LESS
1332	LF	POLYMERIZED JOINT ADHESIVE
45	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
112	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
12	TON	HOT MIX ASPHALT 19M64 BASE COURSE
1	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
2	UN	RESET EXISTING CASTING
1	UN	PERMANENT BARRICADE, TYPE III, MODIFIED
2	UN	RESET WATER VALVE BOX

SPECIAL PROVISIONS

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BASELINES

BASELINES ARE APPROXIMATE AND ARE FOR REFERENCE PURPOSES ONLY. BASELINES ARE NOT TO BE UTILIZED FOR LAYOUT.

INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
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TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – WEST GROVE STREET

WARD 2

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 (732) 727 8000
1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194 (732) 462 7400

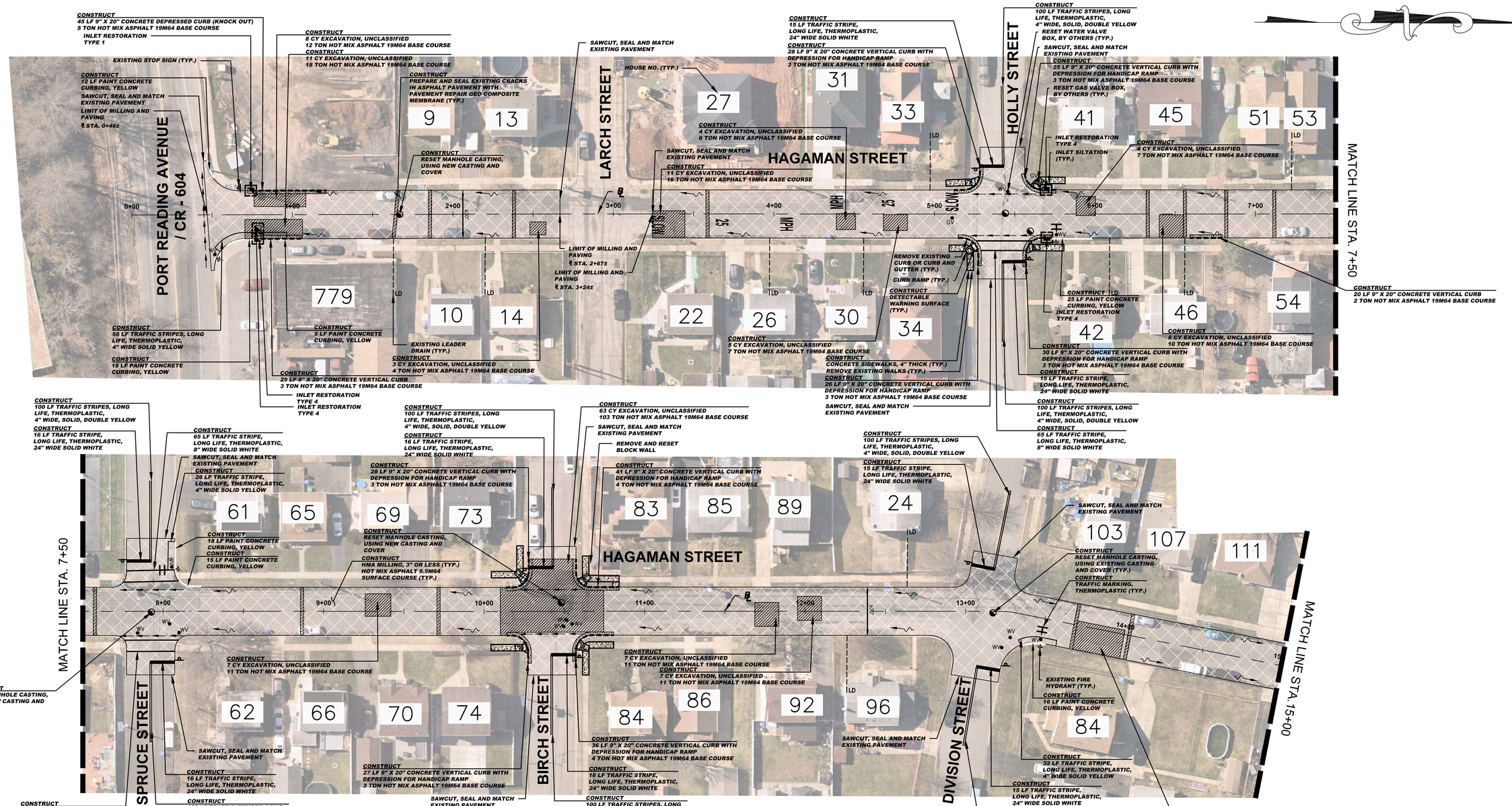
GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE As Shown	DATE April 2025	DRAWING NUMBER C-18	C-44
DRAWN BY OT	DESIGNED BY OT/PD		
CHECKED BY GO	SHEET 21of 69		

PROJECT NO. PWB0A616.01
REGISTER NO.

TOWNSHIP OF WOODBRIDGE

COUNTY OF MIDDLESEX



GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

SPECIAL PROVISIONS

THE CONTRACTOR IS SPECIFICALLY DIRECTED TO THE REQUIREMENTS CONTAINED IN THE SPECIAL PROVISIONS SECTION OF THE CONTRACT SPECIFICATIONS.

PROPOSED CURB AND/OR ROADWAY REPLACEMENT

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CONSTRUCT (HAGAMAN STREET (1 OF 2))

151	CY	EXCAVATION, UNCLASSIFIED
5376	SY	HMA MILLING, 3" OR LESS
7153	LF	POLYMERIZED JOINT ADHESIVE
369	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
390	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
772	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
277	TON	HOT MIX ASPHALT 19M64 BASE COURSE
3	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
3	UN	RESET MANHOLE CASTING, USING NEW CASTING AND COVER
4	UN	RESET EXISTING CASTING
1	UN	CURB PIECE, TYPE "N-ECO"
110	SY	CONCRETE SIDEWALK, 4" THICK
8	SY	DETECTABLE WARNING SURFACE
331	LF	9"X20" CONCRETE VERTICAL CURB
109	LF	PAINT CONCRETE CURBING
914	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
195	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 8" WIDE
124	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
140	SF	TRAFFIC MARKINGS, THERMOPLASTIC
12	UN	RESET WATER VALVE BOX
2	UN	RESET GAS VALVE BOX
184	SY	TOPSOILING, 4" THICK
184	SY	FERTILIZING AND SEEDING
184	SY	TOPSOIL STABILIZATION, TYPE 2 MAT

INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

BASELINES

BASELINES ARE APPROXIMATE AND ARE FOR REFERENCE PURPOSES ONLY. BASELINES ARE NOT TO BE UTILIZED FOR LAYOUT.

PROPOSED LEGEND:

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- DENOTES PROPOSED INLET
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TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – HAGAMAN STREET (1 OF 2)

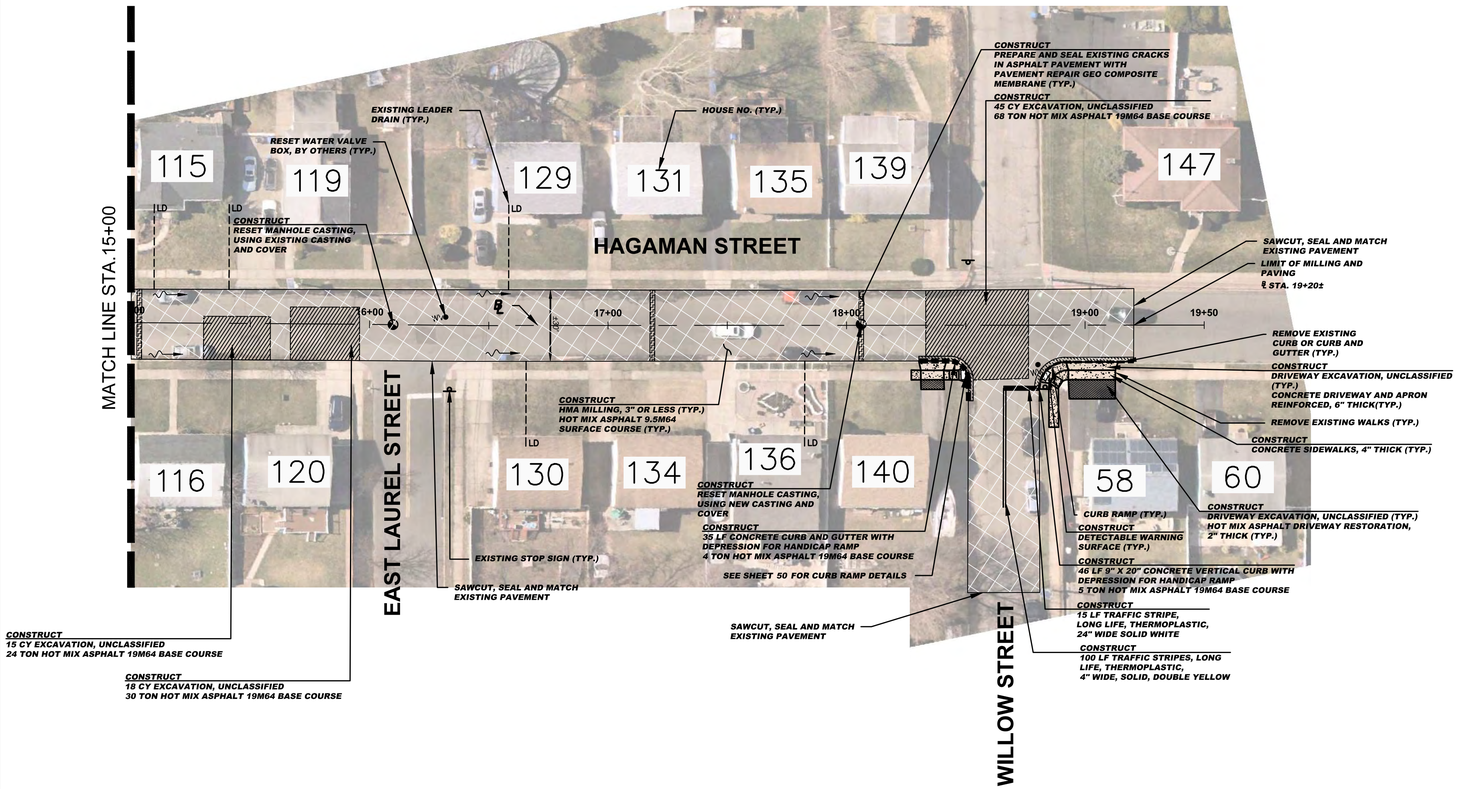
WARD 3

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
(732) 727 8000 (732) 462 7400
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	As Shown
DATE	April 2025
DRAWN BY	OT
DESIGNED BY	OT/PD
CHECKED BY	GO
SHEET	22 of 69
DRAWING NUMBER	C-19
	C-44

PROJECT NO. PWBOA616.01



CONSTRUCT (HAGAMAN STREET (2 OF 2))

14	CY	DRIVEWAY EXCAVATION, UNCLASSIFIED
78	CY	EXCAVATION, UNCLASSIFIED
1721	SY	HMA MILLING, 3" OR LESS
2341	LF	POLYMERIZED JOINT ADHESIVE
156	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
90	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
245	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
131	TON	HOT MIX ASPHALT 19M64 BASE COURSE
1	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
1	UN	RESET MANHOLE CASTING, USING NEW CASTING AND COVER
24	SY	CONCRETE SIDEWALK, 4" THICK
26	SY	CONCRETE DRIVEWAYS AND APRONS, REINFORCED, 6" THICK
22	SY	HOT MIX ASPHALT DRIVEWAY RESTORATION, 2" THICK
2	SY	DETECTABLE WARNING SURFACE
46	LF	9"X20" CONCRETE VERTICAL CURB
35	LF	CONCRETE CURB AND GUTTER
100	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
15	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
2	UN	RESET WATER VALVE BOX
45	SY	TOPSOILING, 4" THICK
45	SY	FERTILIZING AND SEEDING
45	SY	TOPSOIL STABILIZATION, TYPE 2 MAT

SPECIAL PROVISIONS

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GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

BASELINES

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PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
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- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
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TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – HAGAMAN STREET (2 OF 2)

WARD 3

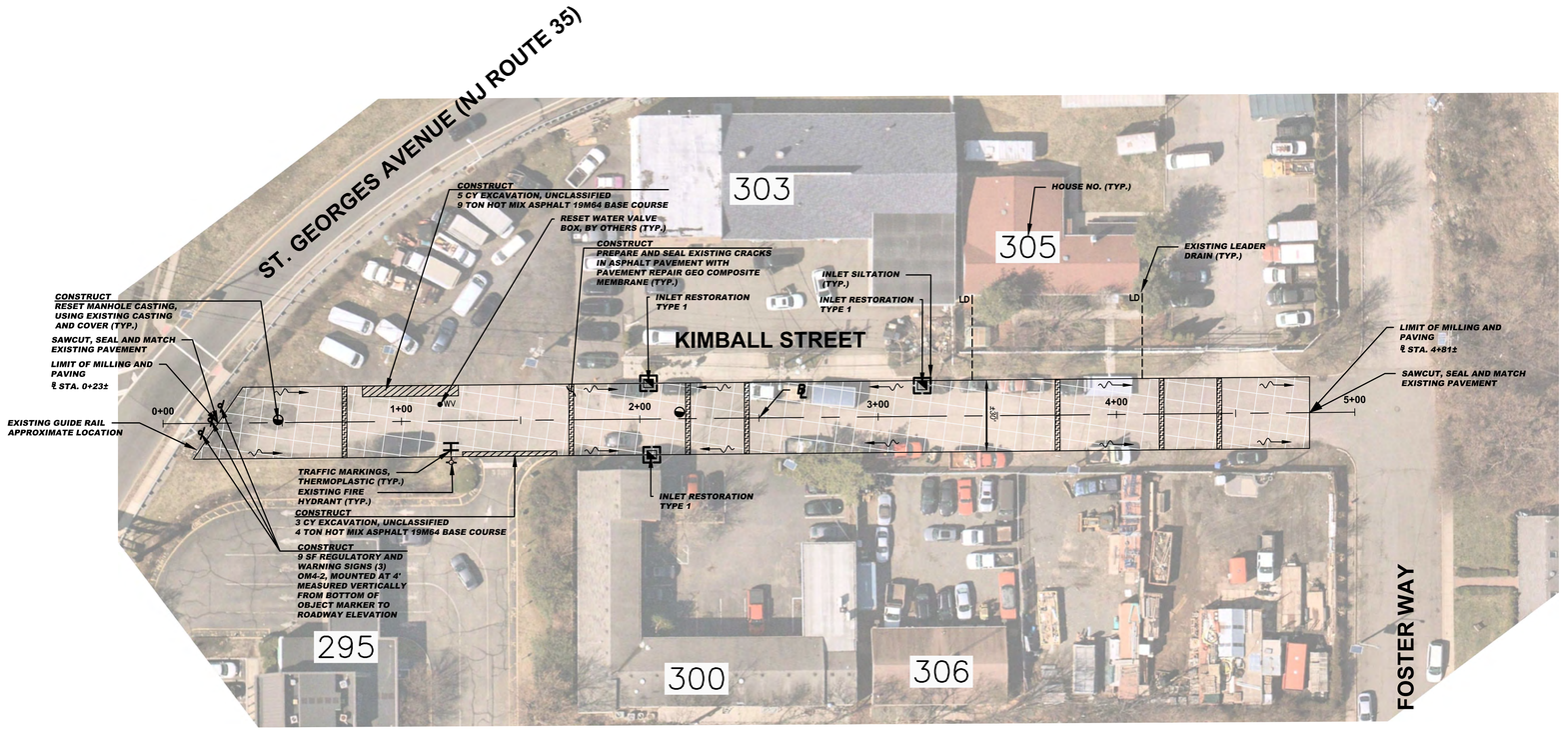
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DATE 4/9/25

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SHEET	23of 69

DRAWING NUMBER C-20 C-44

PROJECT NO. PWBOA616.01



OM4-2
18"x18"

SIGN LEGEND

SPECIAL PROVISIONS

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CONSTRUCT (KIMBALL STREET)

8	SY	EXCAVATION, UNCLASSIFIED, UP TO 9" DEEP
1527	SY	HMA MILLING, 3" OR LESS
1745	LF	POLYMERIZED JOINT ADHESIVE
67	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
210	LF	PREPARE AND SEAL EXISTING TRANSVERSE CRACKS IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
226	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
13	TON	HOT MIX ASPHALT 19M64 BASE COURSE
2	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
3	UN	RESET EXISTING CASTING
3	UN	CURB PIECE, TYPE "N-ECO"
6	SF	TRAFFIC MARKINGS, THERMOPLASTIC
9	SF	REGULATORY AND WARNING SIGNS
1	UN	RESET WATER VALVE BOX

BASELINES

BASELINES ARE APPROXIMATE AND ARE FOR REFERENCE PURPOSES ONLY. BASELINES ARE NOT TO BE UTILIZED FOR LAYOUT.

INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
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- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
- DENOTES APPROXIMATE LOCATION OF EXISTING LOW POINT
- DENOTES TRAFFIC MARKINGS, LONG LIFE, THERMOPLASTIC WITH GLASS BEADS, FOR FIRE HYDRANT
- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
- DENOTES EXISTING TREES OR STUMPS TO BE REMOVED
- DENOTES RESET BRICKWALK/ PAVERS
- DENOTES PROPOSED REINFORCED CONCRETE SIDEWALK
- DENOTES HOT MIX ASPHALT DRIVEWAY RESTORATION
- DENOTES CONCRETE DRIVEWAY RESTORATION
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE EXCAVATION) AND PAVING WITH 19M64 BASE COURSE
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE TEMPORARY TRENCH REPAIR)
- DENOTES PROPOSED CONCRETE SIDEWALK AND DRIVEWAY APRON
- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE AND 3" HOT MIX ASPHALT 19M64 BASE COURSE
- DENOTES AREA TO BE MILLED AND RECEIVE MIN. 2" HMA 9.5M64 SURFACE COURSE
- DENOTES AREA TO BE MILLED, EXISTING CRACK TO BE CLEANED AND SEALED, AND GEO COMPOSITE MATERIAL TO BE INSTALLED
- DENOTES AREA TO BE EXCAVATED UP TO 9" AND RECEIVE HMA 19M64 BASE COURSE
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No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – KIMBALL STREET

WARD 3

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 (732) 727 8000
1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194 (732) 462 7400

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

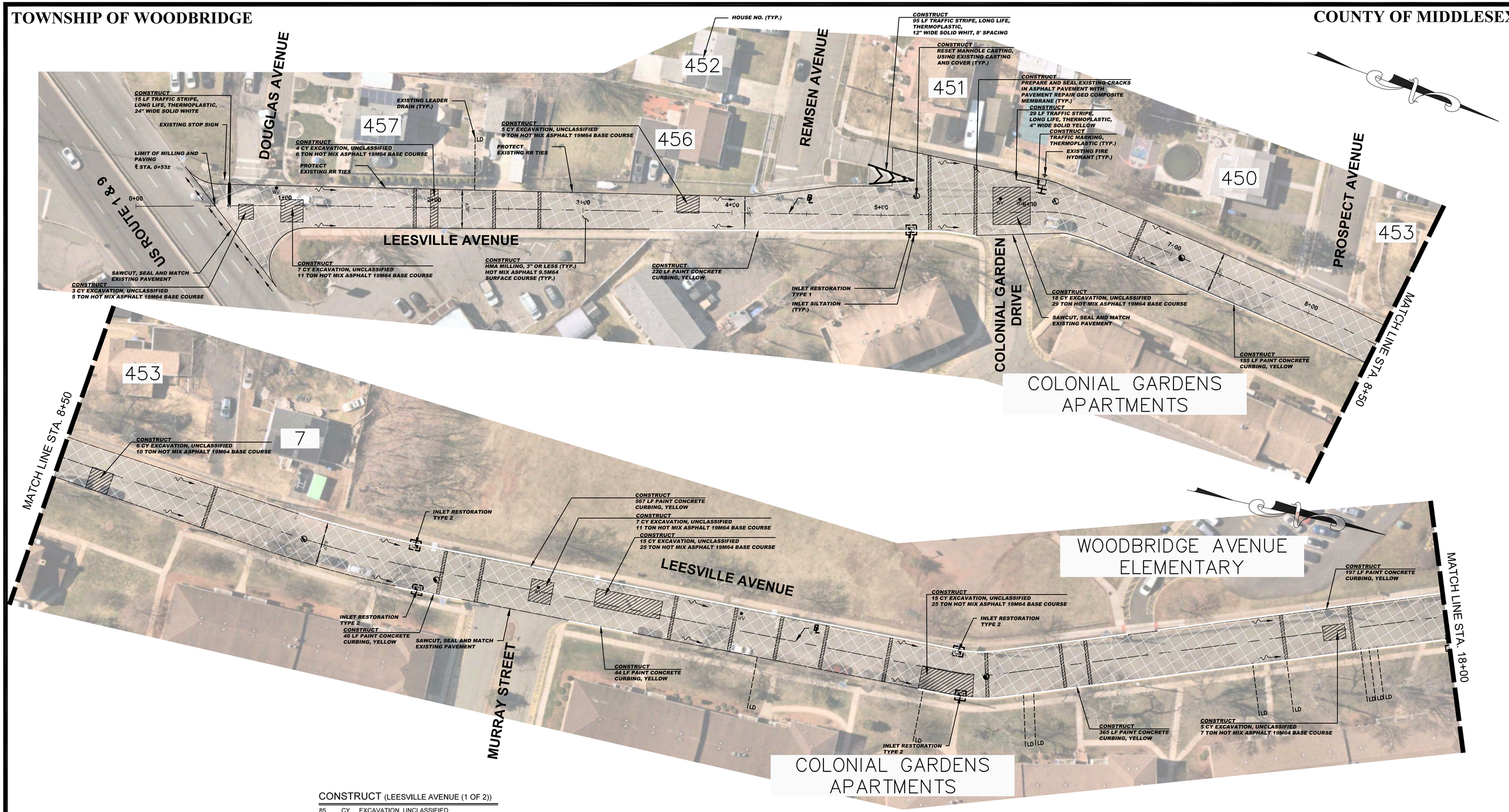
SCALE	As Shown
DATE	April 2025
DRAWN BY	OT
DESIGNED BY	OT/PD
CHECKED BY	GO
SHEET	24 of 69

PROJECT NO. PWB0A616.01

DRAWING NUMBER C-21 C-44

TOWNSHIP OF WOODBRIDGE

COUNTY OF MIDDLESEX



CONSTRUCT (LEESVILLE AVENUE (1 OF 2))

85	CY	EXCAVATION, UNCLASSIFIED
5806	SY	HMA MILLING, 3" OR LESS
7355	LF	POLYMERIZED JOINT ADHESIVE
311	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
595	LF	PREPARE AND SEAL EXISTING TRANSVERSE CRACK IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
856	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
138	TON	HOT MIX ASPHALT 19M64 BASE COURSE
5	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
6	UN	RESET EXISTING CASTING
1	UN	CURB PIECE, TYPE "N-ECO"
4	UN	BICYCLE SAFE GRATE
1594	LF	PAINT CONCRETE CURBING
29	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
95	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 12" WIDE
15	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
6	SF	TRAFFIC MARKINGS, THERMOPLASTIC
5	UN	RESET WATER VALVE BOX

SPECIAL PROVISIONS

THE CONTRACTOR IS SPECIFICALLY DIRECTED TO THE REQUIREMENTS CONTAINED IN THE SPECIAL PROVISIONS SECTION OF THE CONTRACT SPECIFICATIONS.

PROPOSED CURB AND/OR ROADWAY REPLACEMENT

THE CONTRACTOR IS ADVISED THAT THEIR LICENSED LAND SURVEYOR SHALL PROVIDE THE CONSTRUCTION STAKEOUT FOR THE PROJECT AND THAT IS THE INTENT OF THE CONTRACT DOCUMENTS TO INSTALL THE NEW CURB, EDGE OF PAVEMENT, AND ROADWAY AT ITS PRESENT HORIZONTAL LOCATION AND VERTICAL LOCATION EXCEPT WHERE PROPOSED GRADES HAVE BEEN INDICATED ON THE PLAN. ACCORDINGLY, THE FULL RESPONSIBILITY FOR KEEPING AND MAINTAINING THE EXISTING ALIGNMENT AND GRADE PRIOR TO REMOVAL OF THE EXISTING CURB AND MILLING AND/OR EXCAVATION OF THE PAVEMENT SHALL REST UPON THE CONTRACTOR IN ACCORDANCE WITH DIVISION 1 GENERAL REQUIREMENTS SECTION 1-4.4 OF THE PROJECT SPECIFICATIONS.

INLET RESTORATION:

TYPE 1 - RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO

TYPE 2 - RESET EXISTING CASTING BICYCLE SAFE GRATE

TYPE 3 - RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE

TYPE 4 - RESET EXISTING CASTING

BASELINES

BASELINES ARE APPROXIMATE AND ARE FOR REFERENCE PURPOSES ONLY. BASELINES ARE NOT TO BE UTILIZED FOR LAYOUT.

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
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TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – LEESVILLE AVENUE (1 OF 2)

WARD 3

PROJECT NO. PWB0A616.01

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
(732) 727 8000 (732) 462 7400
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	As Shown
DATE	April 2025
DRAWN BY	OT
DESIGNED BY	OT/PD
CHECKED BY	GO
SHEET	25of 69
DRAWING NUMBER	C-22
	C-44

TOWNSHIP OF WOODBRIDGE

COUNTY OF MIDDLESEX



RAILROAD PROTECTIVE LIABILITY INSURANCE

THE CONTRACTOR IS SPECIFICALLY DIRECTED TO THE SPECIAL PROVISIONS FOR INFORMATION REGARDING RAILROAD PROTECTIVE LIABILITY INSURANCE.

EXISTING CONRAIL OVERPASS. CONTRACTOR SHALL PROTECT THE EXISTING STRUCTURE AND MAINTAIN THE EXISTING VERTICAL CLEARANCE THROUGHOUT THE EXISTING OVERPASS.

CONSTRUCT (LEESVILLE AVENUE (2 OF 2))

291	CY	EXCAVATION, UNCLASSIFIED
6871	SY	HMA MILLING, 3" OR LESS
8602	LF	POLYMERIZED JOINT ADHESIVE
247	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
990	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
523	TON	HOT MIX ASPHALT 19M64 BASE COURSE
2	UN	RESET MANHOLE CASTING, USING NEW CASTING AND COVER
8	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
1	UN	RECONSTRUCT INLET, TYPE E
16	UN	RESET EXISTING CASTING
1	UN	CURB PIECE, TYPE "P-ECO"
17	UN	BICYCLE SAFE GRATE
96	SY	CONCRETE SIDEWALK, 4" THICK
13	SY	HOT MIX ASPHALT DRIVEWAY RESTORATION, 6" THICK, COMMERCIAL
6	SY	DETECTABLE WARNING SURFACE
466	LF	9"X20" CONCRETE VERTICAL CURB
50	LF	PAINT CONCRETE CURBING
200	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
94	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 8" WIDE
169	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
6	SF	TRAFFIC MARKINGS, THERMOPLASTIC
10	UN	RESET WATER VALVE BOX
1	UN	RESET GAS VALVE BOX
259	SY	TOPSOILING, 4" THICK
259	SY	FERTILIZING AND SEEDING
259	SY	TOPSOIL STABILIZATION, TYPE 2 MAT

SPECIAL PROVISIONS

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PROPOSED CURB AND/OR ROADWAY REPLACEMENT

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CONRAIL OVERPASS BRIDGE CLEARANCE

THE CONTRACTOR IS ADVISED THAT THEY SHALL MAINTAIN THE ROADWAY AT ITS PRESENT HORIZONTAL LOCATION AND VERTICAL LOCATION WITHIN THE FOOTPRINT OF THE EXISTING OVERPASS STRUCTURES. THE CONTRACTOR'S LICENSED LAND SURVEYOR SHALL PROVIDE ELEVATIONS PRIOR TO AND AFTER CONSTRUCTION IN ORDER TO MAINTAIN THE REQUIRED OVERPASS CLEARANCE. ACCORDINGLY, THE FULL RESPONSIBILITY FOR KEEPING AND MAINTAINING THE EXISTING ALIGNMENT AND GRADE PRIOR TO REMOVAL OF THE EXISTING CURB AND MILLING AND/OR EXCAVATION OF THE PAVEMENT SHALL REST UPON THE CONTRACTOR IN ACCORDANCE WITH DIVISION 1 GENERAL REQUIREMENTS SECTION 1-4.4 OF THE PROJECT SPECIFICATIONS.

INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

BASELINES

BASELINES ARE APPROXIMATE AND ARE FOR REFERENCE PURPOSES ONLY. BASELINES ARE NOT TO BE UTILIZED FOR LAYOUT.

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
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No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – LEESVILLE AVENUE (2 OF 2)

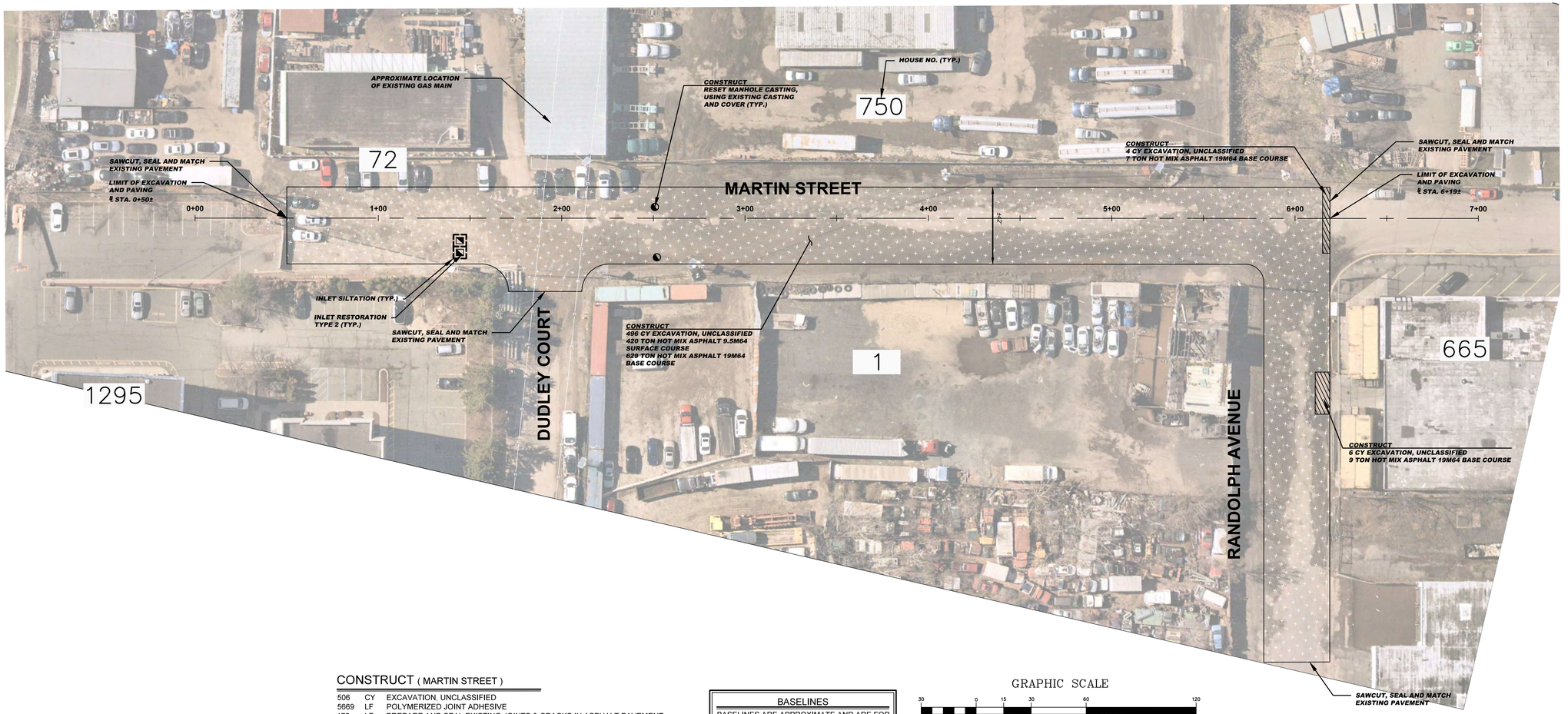
WARD 3

PROJECT NO. PWB0A616.01

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
(732) 727 8000 (732) 462 7400
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28599600
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	As Shown
DATE	April 2025
DRAWN BY	OT
DESIGNED BY	OT/PD
CHECKED BY	GO
SHEET	26of 69
DRAWING NUMBER	C-23 C-44



CONSTRUCT (MARTIN STREET)

506	CY	EXCAVATION, UNCLASSIFIED
5669	LF	POLYMERIZED JOINT ADHESIVE
176	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
424	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
645	TON	HOT MIX ASPHALT 19M64 BASE COURSE
2	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
2	UN	RESET EXISTING CASTING
4	UN	BICYCLE SAFE GRATE

BASELINES

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INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
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- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
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SPECIAL PROVISIONS

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TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – MARTIN STREET

WARD 3

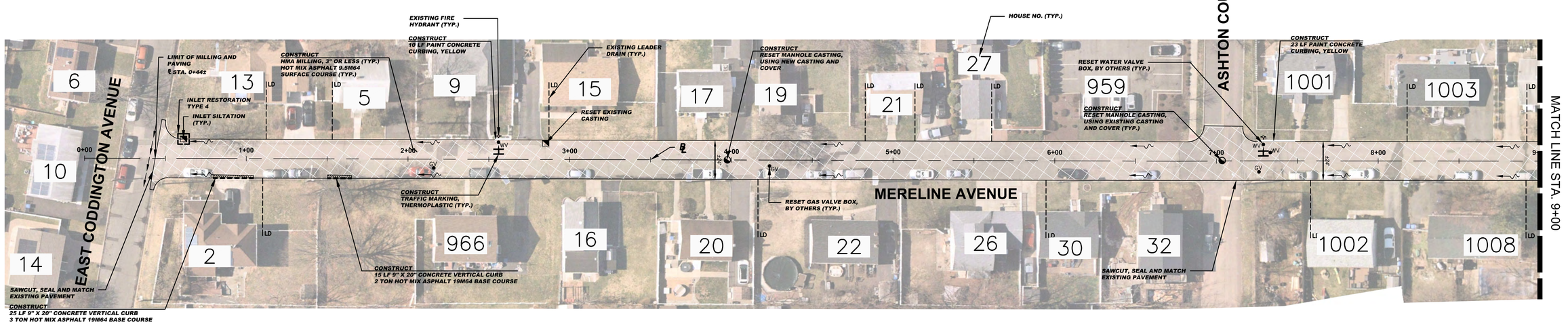
CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 (732) 727 8000
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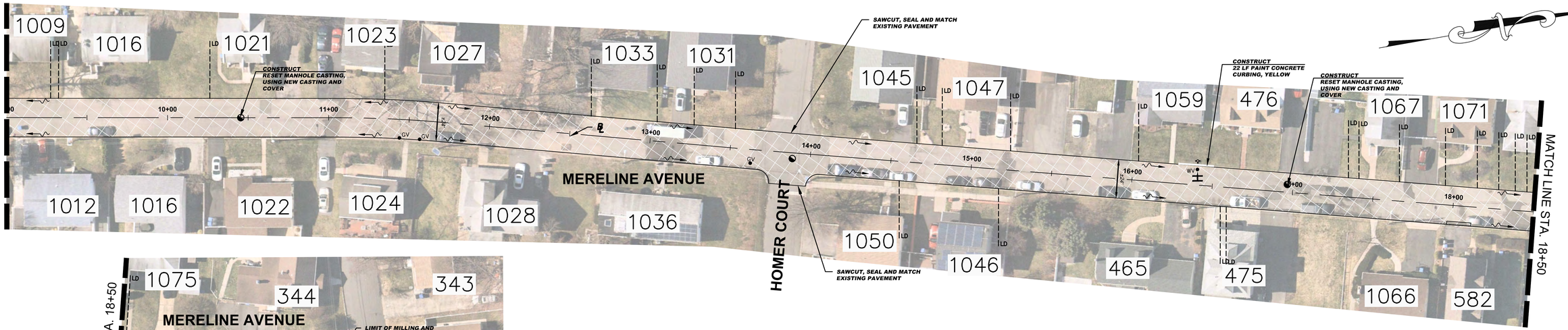
GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

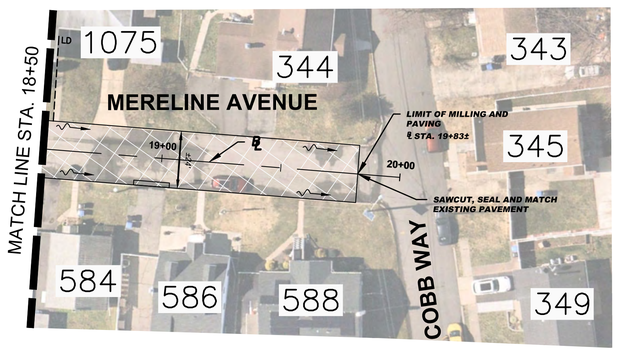
SCALE As Shown	DATE April 2025	DRAWING NUMBER C-24	C-44
DRAWN BY OT	DESIGNED BY OT/PD		
CHECKED BY GO	SHEET 27 of 69		

PROJECT NO. PWB0A616.01

TOWNSHIP OF WOODBRIDGE — **COUNTY OF MIDDLESEX**







CONSTRUCT (MERELINE AVENUE)

5238	SY	HMA MILLING, 3" OR LESS
6382	LF	POLYMERIZED JOINT ADHESIVE
204	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
810	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
5	TON	HOT MIX ASPHALT 19M64 BASE COURSE
2	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
3	UN	RESET MANHOLE CASTING, USING NEW CASTING AND COVER
2	UN	RESET EXISTING CASTING
40	LF	9"X20" CONCRETE VERTICAL CURB
55	LF	PAINT CONCRETE CURBING
18	SF	TRAFFIC MARKINGS, THERMOPLASTIC
4	UN	RESET WATER VALVE BOX
6	UN	RESET GAS VALVE BOX
23	SY	TOPSOILING, 4" THICK
23	SY	FERTILIZING AND SEEDING
23	SY	TOPSOIL STABILIZATION, TYPE 2 MAT

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
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- DENOTES PROPOSED INLET
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- DENOTES HOT MIX ASPHALT DRIVEWAY RESTORATION
- DENOTES CONCRETE DRIVEWAY RESTORATION
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE EXCAVATION) AND PAVING WITH 19M64 BASE COURSE
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- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE AND 3" HOT MIX ASPHALT 19M64 BASE COURSE
- DENOTES AREA TO BE MILLED AND RECEIVE MIN. 2" HMA 9.5M64 SURFACE COURSE
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INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

BASELINES

BASELINES ARE APPROXIMATE AND ARE FOR REFERENCE PURPOSES ONLY. BASELINES ARE NOT TO BE UTILIZED FOR LAYOUT.

SPECIAL PROVISIONS

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PROPOSED CURB AND/OR ROADWAY REPLACEMENT

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NO.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – MERELINE AVENUE

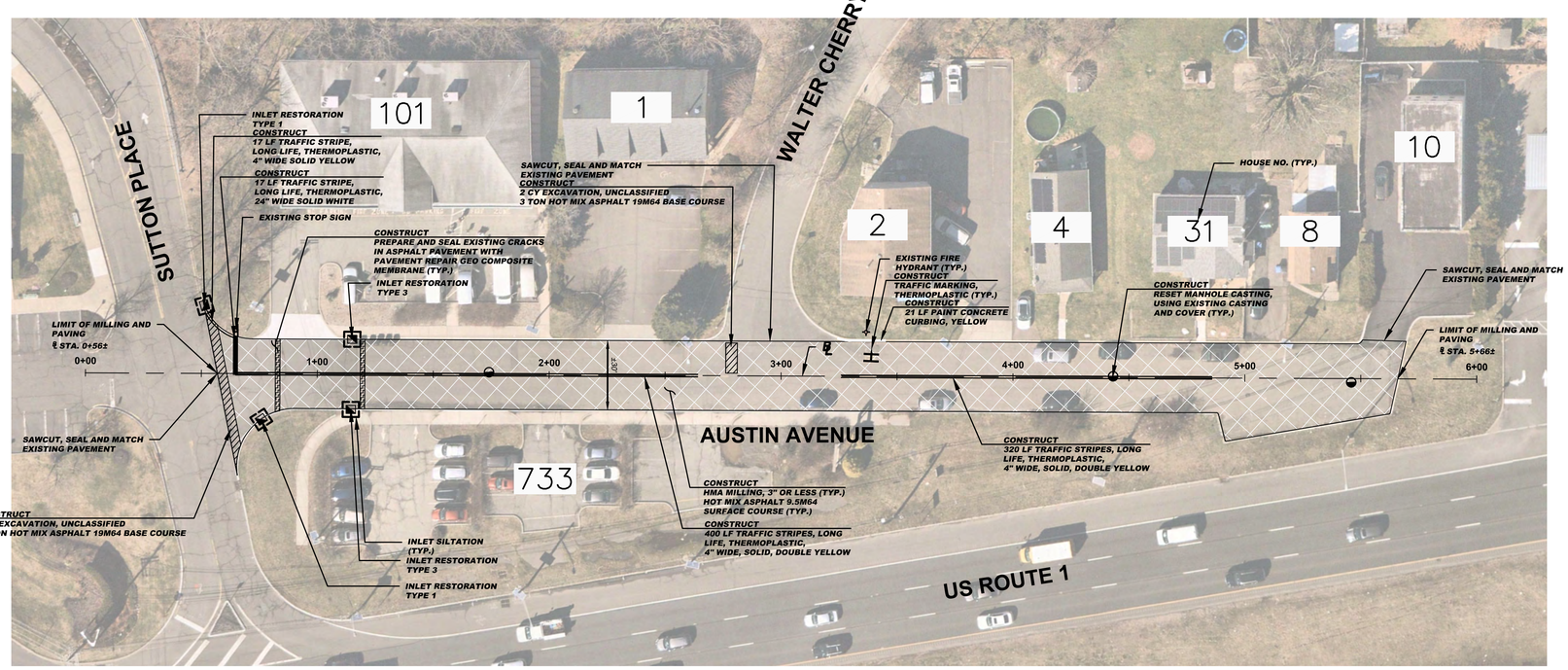
WARD 3

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
(732) 727 8000 — (732) 462 7400
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 — 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359600

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	DATE	DRAWING NUMBER
As Shown	April 2025	C-25
DRAWN BY: OT	DESIGNED BY: OT/PD	
CHECKED BY: GO	SHEET: 28 of 69	C-44

PROJECT NO.: PWB0A616.01



GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

CONSTRUCT (AUSTIN AVENUE)

10	CY	EXCAVATION, UNCLASSIFIED
1782	SY	HMA MILLING, 3" OR LESS
2268	LF	POLYMERIZED JOINT ADHESIVE
160	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
29	LF	PREPARE AND SEAL EXISTING TRANSVERSE CRACK IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
261	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
15	TON	HOT MIX ASPHALT 19M64 BASE COURSE
3	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
4	UN	RESET EXISTING CASTING
4	UN	CURB PIECE, TYPE "N-ECO"
2	UN	BICYCLE SAFE GRADE
20	LF	PAINT CONCRETE CURBING
737	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
17	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
6	SF	TRAFFIC MARKINGS, THERMOPLASTIC

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TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
- DENOTES APPROXIMATE LOCATION OF EXISTING LOW POINT
- DENOTES TRAFFIC MARKINGS, LONG LIFE, THERMOPLASTIC WITH GLASS BEADS, FOR FIRE HYDRANT
- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
- DENOTES EXISTING TREES OR STUMPS TO BE REMOVED
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No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – AUSTIN AVENUE

WARD 4

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 (732) 727 8000
1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194 (732) 462 7400

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

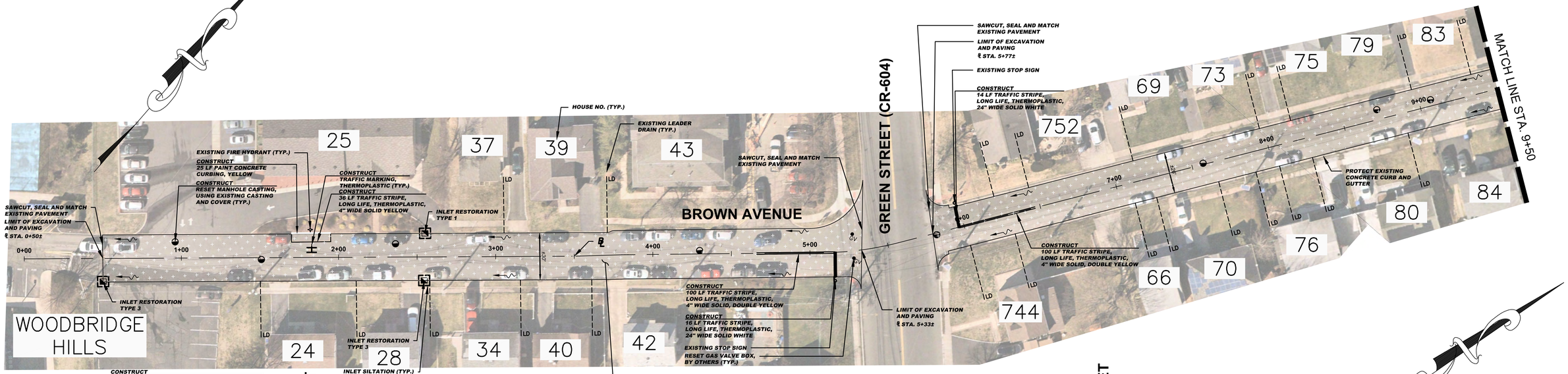
SCALE	As Shown
DATE	April 2025
DRAWN BY	OT
DESIGNED BY	OT/PD
CHECKED BY	GO
SHEET	29of 69

PROJECT NO. PWB0A616.01

DRAWING NUMBER C-26 / C-44

TOWNSHIP OF WOODBRIDGE

COUNTY OF MIDDLESEX



CONSTRUCT (BROWN AVENUE (1 OF 2))

853	CY	EXCAVATION, UNCLASSIFIED
12615	LF	POLYMERIZED JOINT ADHESIVE
270	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
722	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
1082	TON	HOT MIX ASPHALT 19M64 BASE COURSE
15	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
6	UN	RESET EXISTING CASTING
3	UN	CURB PIECE, TYPE "N-ECO"
1	UN	CURB PIECE, TYPE "P-ECO"
3	UN	BICYCLE SAFE GRATE
38	SY	CONCRETE SIDEWALKS, 4" THICK
3	SY	DETECTABLE WARNING SURFACE
98	LF	9"x20" CONCRETE VERTICAL CURB
70	LF	GRANITE BLOCK HEADER
45	LF	PAINT CONCRETE CURB
536	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
279	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 8" WIDE
78	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
18	SF	TRAFFIC MARKINGS, THERMOPLASTIC
10	UN	RESET WATER VALVE BOX
4	UN	RESET GAS VALVE BOX
79	SY	TOPSOILING, 4" THICK
79	SY	FERTILIZING AND SEEDING
79	SY	TOPSOIL STABILIZATION, TYPE 2 MAT

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BASELINES

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INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
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TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
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GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

PROPOSED LEGEND:

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NO.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – BROWN AVENUE (1 OF 2)

WARD 4

PROJECTION NO.: PWB0A616.01

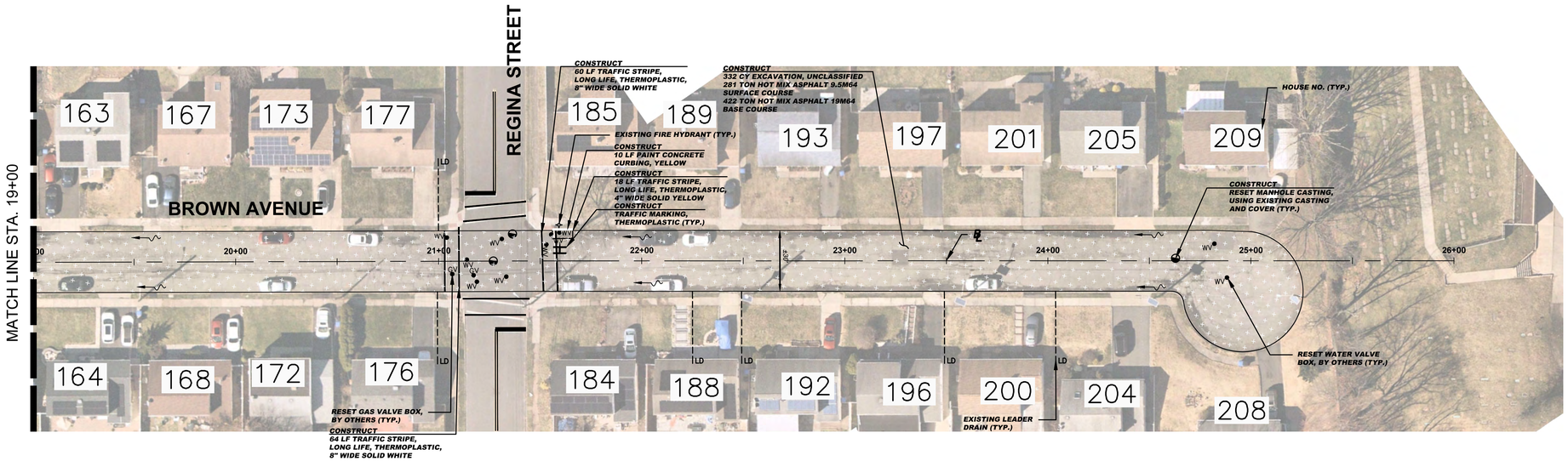
CME ASSOCIATES
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(732) 727 8000 (732) 462 7400
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359600

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE: As Shown	DATE: April 2025	DRAWING NUMBER: C-27
DRAWN BY: DT	DESIGNED BY: DT/PD	C-44
CHECKED BY: GO	SHEET: 30 of 69	

TOWNSHIP OF WOODBRIDGE

COUNTY OF MIDDLESEX



CONSTRUCT (BROWN AVENUE (2 OF 2))

308	CY	EXCAVATION, UNCLASSIFIED
4450	LF	POLYMERIZED JOINT ADHESIVE
60	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
261	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
391	TON	HOT MIX ASPHALT 19M64 BASE COURSE
3	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
2	UN	RESET EXISTING CASTING
10	LF	PAINT CONCRETE CURB
18	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
124	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 8" WIDE
6	SF	TRAFFIC MARKINGS, THERMOPLASTIC
10	UN	RESET WATER VALVE BOX
2	UN	RESET GAS VALVE BOX

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INLET RESTORATION:

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TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
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TYPE 4	-	RESET EXISTING CASTING

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
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- DENOTES EXISTING VALLEY GUTTER
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TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – BROWN AVENUE (2 OF 2)

WARD 4

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
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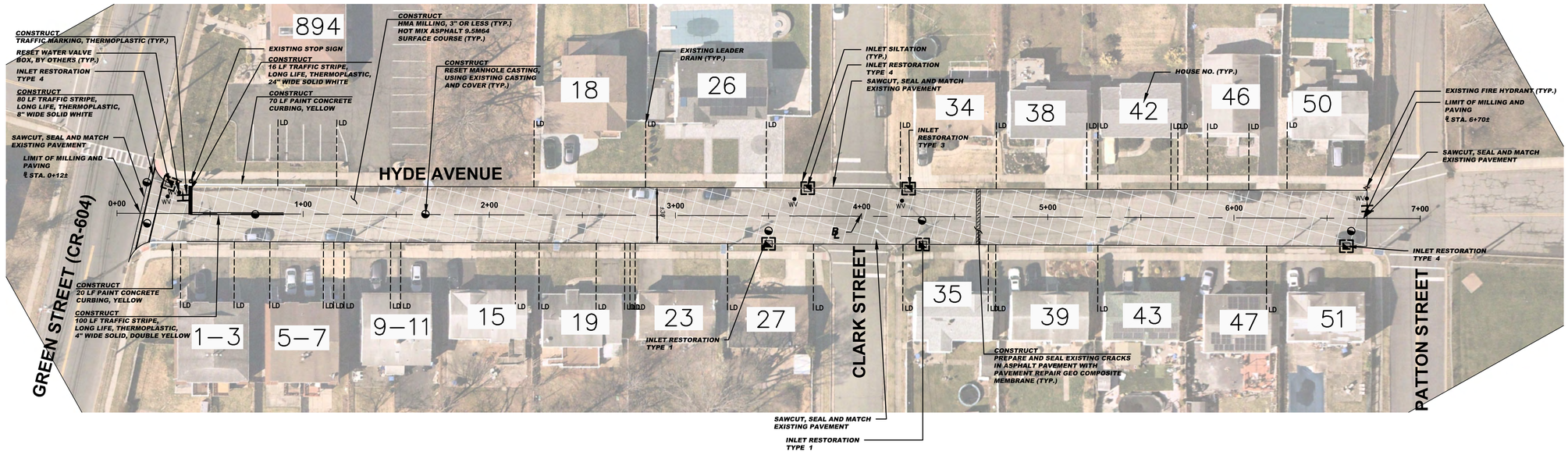
GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	As Shown
DATE	April 2025
DRAWN BY	OT
DESIGNED BY	OT/PD
CHECKED BY	GO
SHEET	31of 69

DRAWING NUMBER
C-28
C-44

PROJECT NO. PWB0A616.01
RECEIPT NO.

TOWNSHIP OF WOODBRIDGE | **COUNTY OF MIDDLESEX**



CONSTRUCT (HYDE AVENUE)

2208	SY	HMA MILLING, 3" OR LESS
3071	LF	POLYMERIZED JOINT ADHESIVE
185	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
30	LF	PREPARE AND SEAL EXISTING TRANSVERSE CRACK IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
326	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
7	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
6	UN	RESET EXISTING CASTING
3	UN	CURB PIECE, TYPE "N-ECO"
1	UN	BICYCLE SAFE GRATE
90	LF	PAINT CONCRETE CURBING
100	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
80	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 8" WIDE
16	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
12	SF	TRAFFIC MARKINGS, THERMOPLASTIC
5	UN	RESET WATER VALVE BOX

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(IN FEET)
1 inch = 30 ft.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
- DENOTES APPROXIMATE LOCATION OF EXISTING LOW POINT
- DENOTES TRAFFIC MARKINGS, LONG LIFE, THERMOPLASTIC WITH GLASS BEADS, FOR FIRE HYDRANT
- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
- DENOTES EXISTING TREES OR STUMPS TO BE REMOVED
- DENOTES RESET BRICKWALK/ PAVERS
- DENOTES PROPOSED REINFORCED CONCRETE SIDEWALK
- DENOTES HOT MIX ASPHALT DRIVEWAY RESTORATION
- DENOTES CONCRETE DRIVEWAY RESTORATION
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE EXCAVATION) AND PAVING WITH 19M64 BASE COURSE
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE TEMPORARY TRENCH REPAIR)
- DENOTES PROPOSED CONCRETE SIDEWALK AND DRIVEWAY APRON
- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE AND 3" HOT MIX ASPHALT 19M64 BASE COURSE
- DENOTES AREA TO BE MILLED AND RECEIVE MIN. 2" HMA 9.5M64 SURFACE COURSE
- DENOTES AREA TO BE MILLED, EXISTING CRACK TO BE CLEANED AND SEALED, AND GEO COMPOSITE MATERIAL TO BE INSTALLED
- DENOTES AREA TO BE EXCAVATED UP TO 9" AND RECEIVE HMA 19M64 BASE COURSE
- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE 7" HOT MIX ASPHALT 19M64 BASE COURSE 6" DENSE GRADED AGGREGATE BASE COURSE
- DENOTES ROADWAY TRENCH REPAIR AREA 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE, 7" HOT MIX ASPHALT 19M64 BASE COURSE, AND 6" DENSE GRADED AGGREGATE BASE COURSE

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – HYDE AVENUE

WARD 4

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
(732) 727 8000 (732) 462 7400
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28259000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

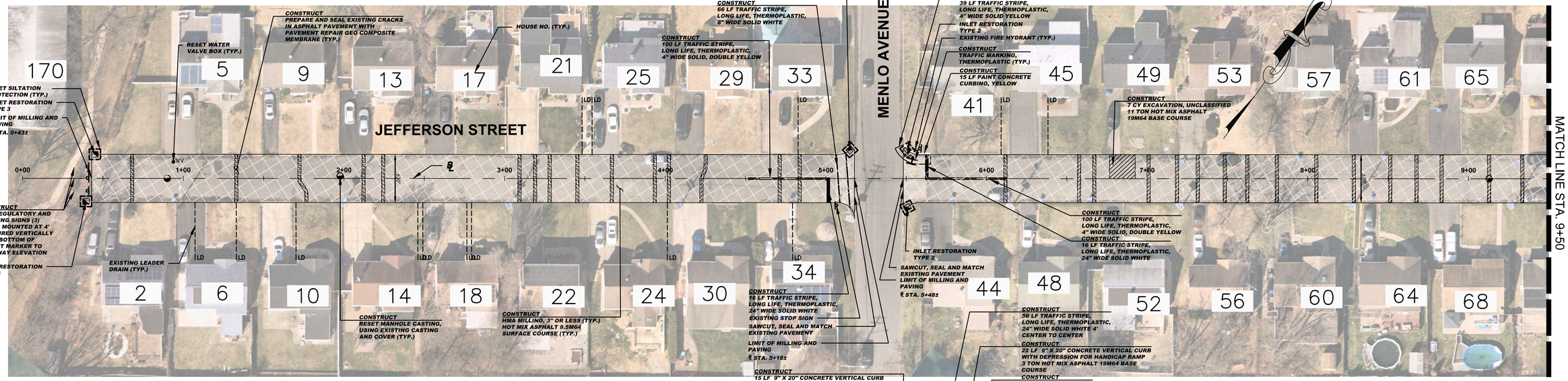
SCALE	As Shown
DATE	April 2025
DRAWN BY	OT
DESIGNED BY	OT/PD
CHECKED BY	GO
SHEET	32 of 69

PROJECTION NO. PWB0A616.01

DRAWING NUMBER C-29 C-44

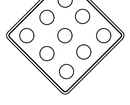
TOWNSHIP OF WOODBRIDGE

COUNTY OF MIDDLESEX



CONSTRUCT (JEFFERSON STREET(1 OF 2))

69	CY	EXCAVATION, UNCLASSIFIED
5688	SY	HMA MILLING, 3" OR LESS
8325	LF	POLYMERIZED JOINT ADHESIVE
197	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
1505	LF	PREPARE AND SEAL EXISTING TRANSVERSE CRACK IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
839	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
159	TON	HOT MIX ASPHALT 19M64 BASE COURSE
6	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
9	UN	RESET EXISTING CASTING
2	UN	CURB PIECE, TYPE "N-ECO"
3	UN	CURB PIECE, TYPE "P-ECO"
5	UN	BICYCLE SAFE GRADE
44	SY	CONCRETE SIDEWALKS, 4" THICK
6	UN	DETECTABLE WARNING SURFACE
85	LF	9"X20" CONCRETE VERTICAL CURB
25	LF	PAINT CONCRETE CURBING
439	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
198	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 8" WIDE
64	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
12	SF	TRAFFIC MARKINGS, THERMOPLASTIC
9	SF	REGULATORY AND WARNING SIGNS
3	UN	RESET WATER VALVE BOX
48	SY	TOPSOILING, 4" THICK
48	SY	FERTILIZING AND SEEDING
48	SY	TOPSOIL STABILIZATION, TYPE 2MAT



OM4-2
18"x18"

SIGN LEGEND

SPECIAL PROVISIONS

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PROPOSED CURB AND/OR ROADWAY REPLACEMENT

THE CONTRACTOR IS ADVISED THAT THEIR LICENSED LAND SURVEYOR SHALL PROVIDE THE CONSTRUCTION STAKEOUT FOR THE PROJECT AND THAT IS THE INTENT OF THE CONTRACT DOCUMENTS TO INSTALL THE NEW CURB, EDGE OF PAVEMENT, AND ROADWAY AT ITS PRESENT HORIZONTAL LOCATION AND VERTICAL LOCATION EXCEPT WHERE PROPOSED GRADES HAVE BEEN INDICATED ON THE PLAN. ACCORDINGLY, THE FULL RESPONSIBILITY FOR KEEPING AND MAINTAINING THE EXISTING ALIGNMENT AND GRADE PRIOR TO REMOVAL OF THE EXISTING CURB AND MILLING AND/OR EXCAVATION OF THE PAVEMENT SHALL REST UPON THE CONTRACTOR IN ACCORDANCE WITH DIVISION 1 GENERAL REQUIREMENTS SECTION 1-4.4 OF THE PROJECT SPECIFICATIONS.

INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

BASELINES

BASELINES ARE APPROXIMATE AND ARE FOR REFERENCE PURPOSES ONLY. BASELINES ARE NOT TO BE UTILIZED FOR LAYOUT.

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
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- DENOTES TRAFFIC MARKINGS, LONG LIFE, THERMOPLASTIC WITH GLASS BEADS, FOR FIRE HYDRANT
- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
- DENOTES EXISTING TREES OR STUMPS TO BE REMOVED
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- DENOTES HOT MIX ASPHALT DRIVEWAY RESTORATION
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TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – JEFFERSON STREET (1 OF 2)

WARD 4

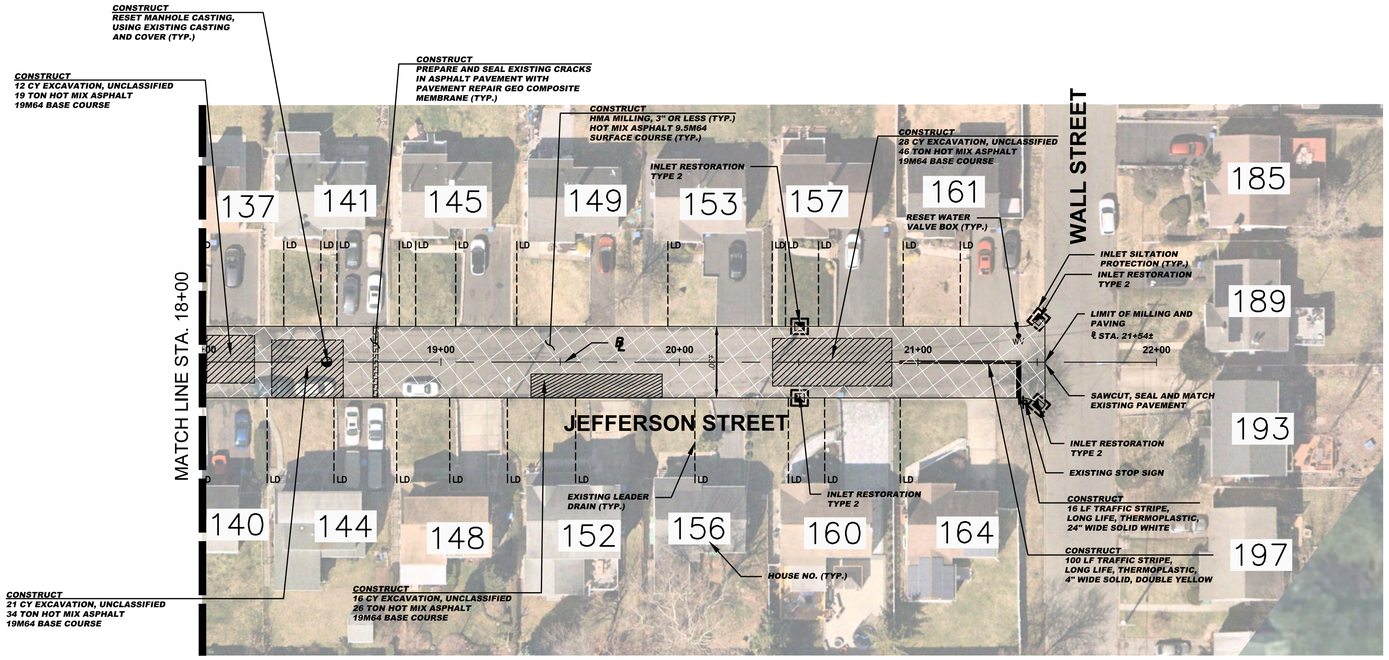
CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 (732) 727 8000
1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194 (732) 462 7400

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	DATE
As Shown	April 2025
DRAWN BY	DESIGNED BY
AW	AW/PD
CHECKED BY	SHEET
GO	33 of 69

PROJECT NO. PWB0A616.01

DRAWING NUMBER C-30 C-44



GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

CONSTRUCT (JEFFERSON STREET(2 OF 2))

77	CY	EXCAVATION, UNCLASSIFIED
1182	SY	HMA MILLING, 3" OR LESS
2128	LF	POLYMERIZED JOINT ADHESIVE
41	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
30	LF	PREPARE AND SEAL EXISTING TRANSVERSE CRACK IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
175	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
125	TON	HOT MIX ASPHALT 19M64 BASE COURSE
1	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
4	UN	RESET EXISTING CASTING
4	UN	BICYCLE SAFE GRATE
100	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
16	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
1	UN	RESET WATER VALVE BOX

INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

BASELINES

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SPECIAL PROVISIONS

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- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
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TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – JEFFERSON STREET (2 OF 2)

WARD 4

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
(732) 727 8000 (732) 462 7400
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

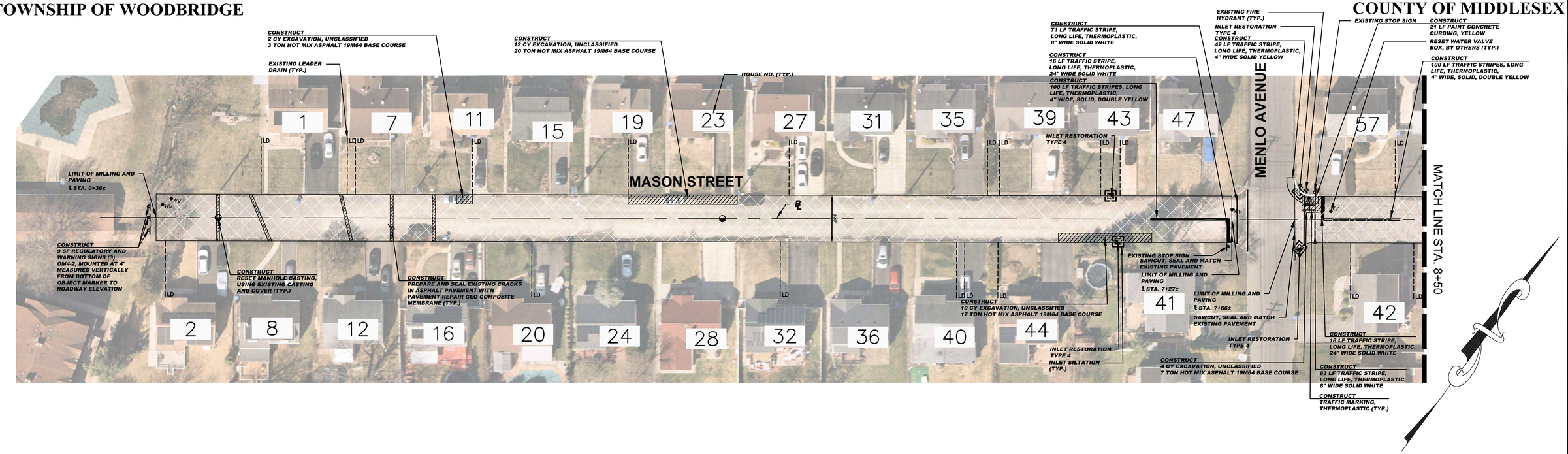
SCALE	As Shown
DATE	April 2025
DRAWN BY	AW
DESIGNED BY	AW/PD
CHECKED BY	GO
SHEET	34 of 69

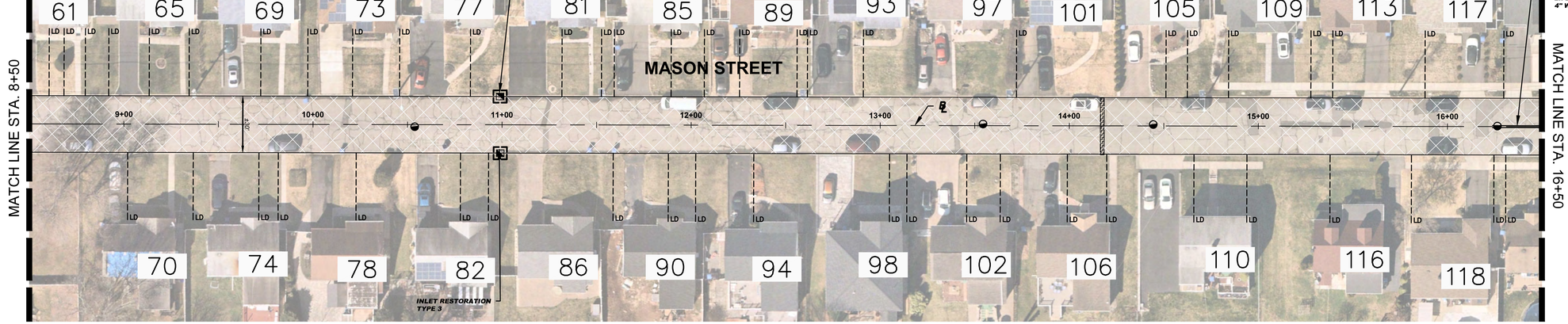
PROJECT NO. PWB0A616.01

DRAWING NUMBER C-31 C-44

TOWNSHIP OF WOODBRIDGE

COUNTY OF MIDDLESEX





SPECIAL PROVISIONS

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CONSTRUCT (MASON STREET (1 OF 2))

28	CY	EXCAVATION, UNCLASSIFIED
5252	SY	HMA MILLING, 3" OR LESS
7769	LF	POLYMERIZED JOINT ADHESIVE
82	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
184	LF	PREPARE AND SEAL EXISTING TRANSVERSE CRACK IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
753	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
47	TON	HOT MIX ASPHALT 19M64 BASE COURSE
6	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
6	UN	RESET EXISTING CASTING
2	UN	CURB PIECE, TYPE "N-ECO"
2	UN	BICYCLE SAFE GRATE
21	LF	PAINT CONCRETE CURBING
252	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
134	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 8" WIDE
32	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
6	SF	TRAFFIC MARKINGS, THERMOPLASTIC
1	UN	PERMANENT BARRICADE, TYPE III, MODIFIED
5	UN	RESET WATER VALVE BOX

BASELINES

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INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
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- DENOTES TRAFFIC MARKINGS, LONG LIFE, THERMOPLASTIC WITH GLASS BEADS, FOR FIRE HYDRANT
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- DENOTES BENCH MARK LOCATION
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- DENOTES HOT MIX ASPHALT DRIVEWAY RESTORATION
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TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – MASON STREET (1 OF 2)

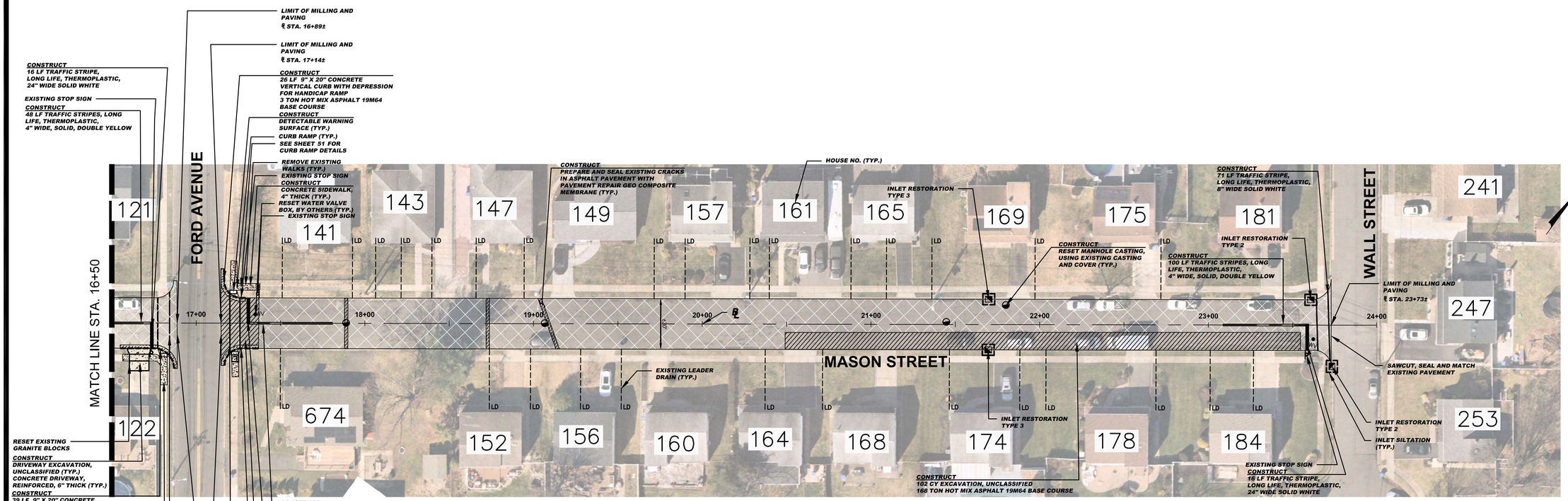
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GARY M. OLIVA P.E.
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LIC. 47483
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SHEET	35of 69
DRAWING NUMBER	C-32 to C-44

PROJECT NO. PWB0A616.01



CONSTRUCT (MASON STREET (2 OF 2))

5	CY	DRIVEWAY EXCAVATION, UNCLASSIFIED
110	CY	EXCAVATION, UNCLASSIFIED
2351	SY	HMA MILLING, 3" OR LESS
4284	LF	POLYMERIZED JOINT ADHESIVE
170	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
92	LF	PREPARE AND SEAL EXISTING TRANSVERSE CRACK IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
347	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
204	TON	HOT MIX ASPHALT 19M64 BASE COURSE
4	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
4	UN	RESET EXISTING CASTING
2	UN	CURB PIECE, TYPE "N-ECO"
4	UN	BICYCLE SAFE GRATE
36	SY	CONCRETE SIDEWALKS, 4" THICK
18	SY	CONCRETE DRIVEWAYS AND APRONS, REINFORCED, 6" THICK
3	SY	DETECTABLE WARNING SURFACE
91	LF	9"X20" CONCRETE VERTICAL CURB
248	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
209	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 8" WIDE
48	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
2	UN	RESET WATER VALVE BOX
51	SY	TOPSOILING, 4" THICK
51	SY	FERTILIZING AND SEEDING
51	SY	TOPSOIL STABILIZATION, TYPE 2MAT

BASELINES

BASELINES ARE APPROXIMATE AND ARE FOR REFERENCE PURPOSES ONLY. BASELINES ARE NOT TO BE UTILIZED FOR LAYOUT.

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
- DENOTES APPROXIMATE LOCATION OF EXISTING LOW POINT
- DENOTES TRAFFIC MARKINGS, LONG LIFE, THERMOPLASTIC WITH GLASS BEADS, FOR FIRE HYDRANT
- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
- DENOTES EXISTING TREES OR STUMPS TO BE REMOVED
- DENOTES RESET BRICKWALK/ PAVERS
- DENOTES PROPOSED REINFORCED CONCRETE SIDEWALK
- DENOTES HOT MIX ASPHALT DRIVEWAY RESTORATION
- DENOTES CONCRETE DRIVEWAY RESTORATION
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE EXCAVATION) AND PAVING WITH 19M64 BASE COURSE
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE TEMPORARY TRENCH REPAIR)
- DENOTES PROPOSED CONCRETE SIDEWALK AND DRIVEWAY APRON
- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE AND 3" HOT MIX ASPHALT 19M64 BASE COURSE
- DENOTES AREA TO BE MILLED AND RECEIVE MIN. 2" HMA 9.5M64 SURFACE COURSE
- DENOTES AREA TO BE MILLED, EXISTING CRACK TO BE CLEANED AND SEALED, AND GEO COMPOSITE MATERIAL TO BE INSTALLED
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SPECIAL PROVISIONS

THE CONTRACTOR IS SPECIFICALLY DIRECTED TO THE REQUIREMENTS CONTAINED IN THE SPECIAL PROVISIONS SECTION OF THE CONTRACT SPECIFICATIONS.

PROPOSED CURB AND/OR ROADWAY REPLACEMENT

THE CONTRACTOR IS ADVISED THAT THEIR LICENSED LAND SURVEYOR SHALL PROVIDE THE CONSTRUCTION STAKEOUT FOR THE PROJECT AND THAT IS THE INTENT OF THE CONTRACT DOCUMENTS TO INSTALL THE NEW CURB, EDGE OF PAVEMENT, AND ROADWAY AT ITS PRESENT HORIZONTAL LOCATION AND VERTICAL LOCATION EXCEPT WHERE PROPOSED GRADES HAVE BEEN INDICATED ON THE PLAN. ACCORDINGLY, THE FULL RESPONSIBILITY FOR KEEPING AND MAINTAINING THE EXISTING ALIGNMENT AND GRADE PRIOR TO REMOVAL OF THE EXISTING CURB AND MILLING AND/OR EXCAVATION OF THE PAVEMENT SHALL REST UPON THE CONTRACTOR IN ACCORDANCE WITH DIVISION 1 GENERAL REQUIREMENTS SECTION 1-4.4 OF THE PROJECT SPECIFICATIONS.

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – MASON STREET (2 OF 2)

WARD 4

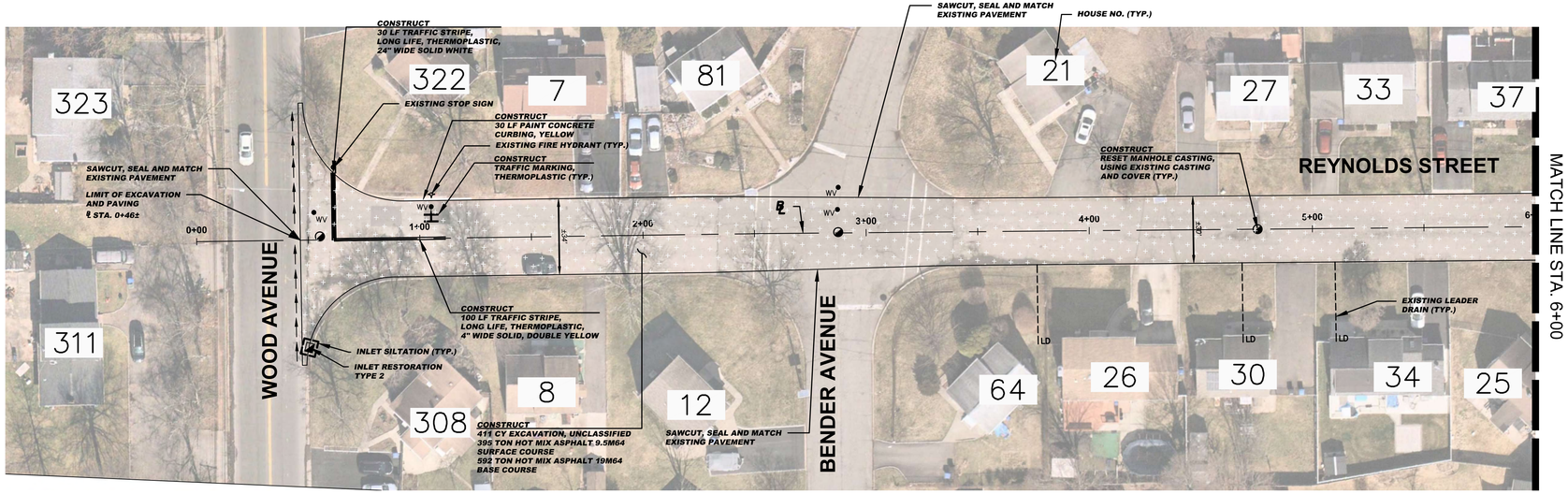
CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
(732) 727 8000 (732) 462 7400
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28539900
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

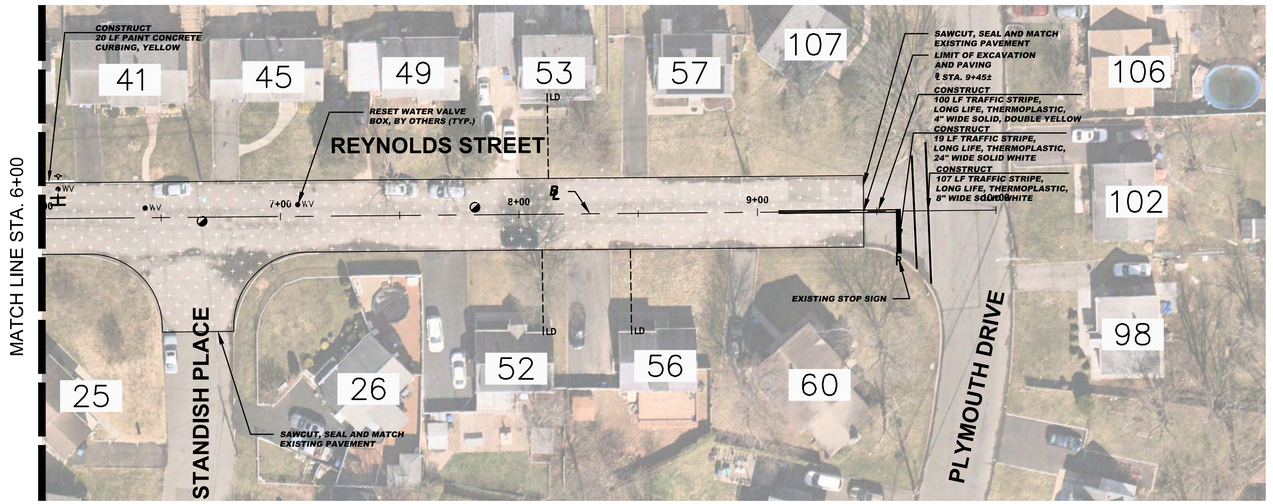
GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	As Shown	DATE	April 2025
DRAWN BY	OT	DESIGNED BY	OT/PD
CHECKED BY	GO	SHEET	36of 69

PROJECT NO. PWB0A616.01

DRAWING NUMBER C-33 C-44





CONSTRUCT (REYNOLDS STREET)

467	CY	EXCAVATION, UNCLASSIFIED
6717	LF	POLYMERIZED JOINT ADHESIVE
238	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
395	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
592	TON	HOT MIX ASPHALT 19M64 BASE COURSE
5	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
3	UN	RESET EXISTING CASTING
1	UN	BICYCLE SAFE GRATE
50	LF	PAINT CONCRETE CURB
200	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
107	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 8" WIDE
49	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
12	SF	TRAFFIC MARKINGS, THERMOPLASTIC
8	UN	RESET WATER VALVE BOX

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

BASELINES

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INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
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No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – REYNOLDS STREET

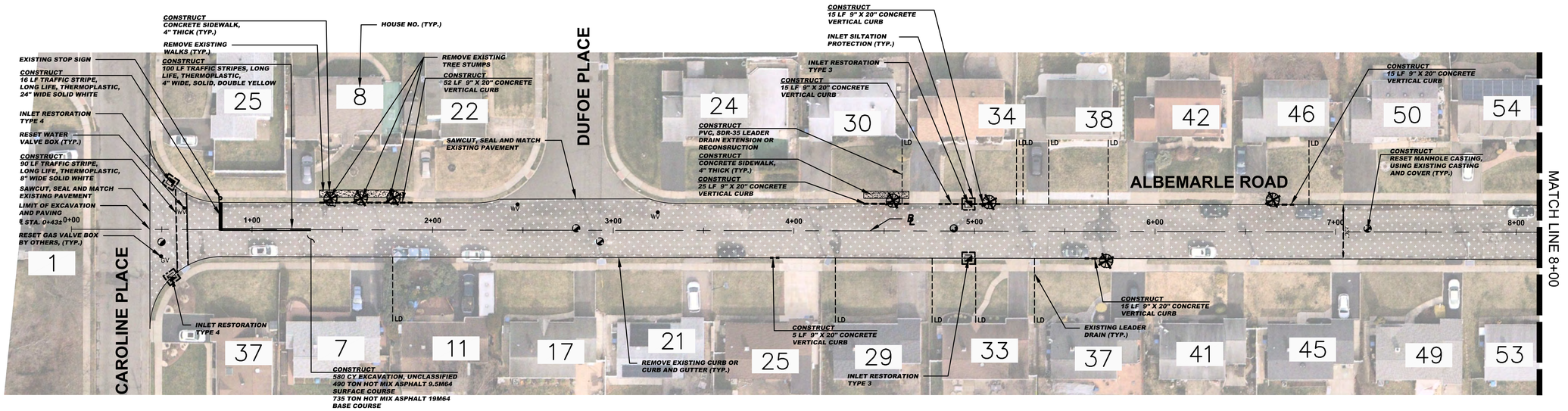
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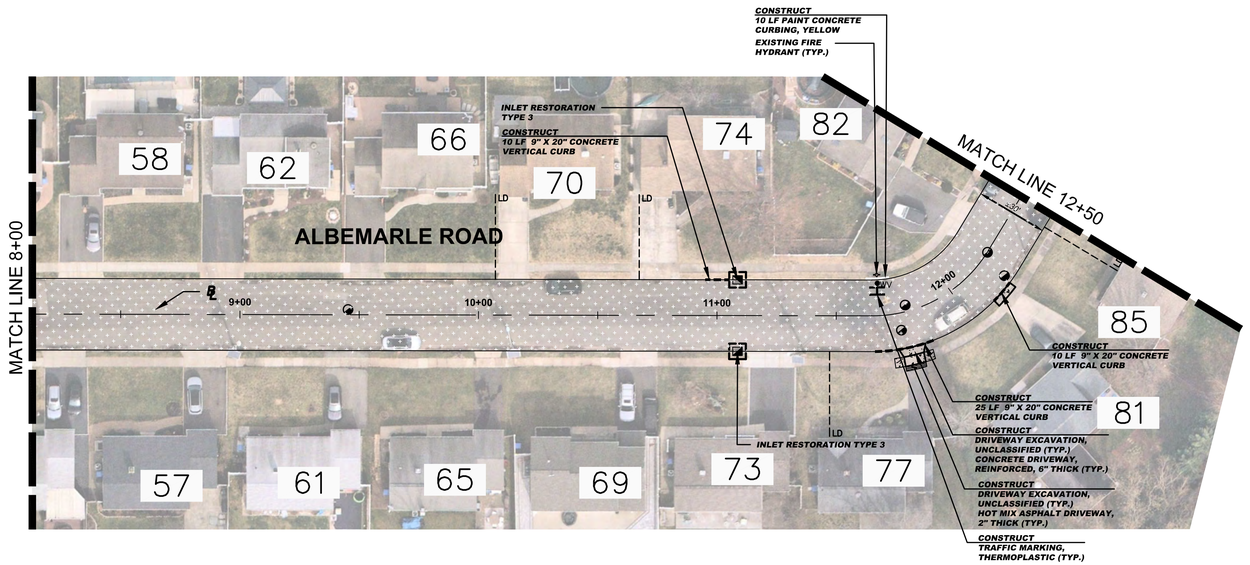
CME ASSOCIATES
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(732) 727 8000 (732) 462 7400
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GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE As Shown	DATE April 2025	DRAWING NUMBER C-34	
DRAWN BY OT	DESIGNED BY OT/PD		C-44
CHECKED BY GO	SHEET 37 of 69		

REGISTER NO. PW B0A616.01





CONSTRUCT (ALBEMARLE ROAD (1 OF 2))

4	CY	DRIVEWAY EXCAVATION, UNCLASSIFIED
573	CY	EXCAVATION, UNCLASSIFIED
8278	LF	POLYMERIZED JOINT ADHESIVE
194	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
485	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
727	TON	HOT MIX ASPHALT 19M64 BASE COURSE
1	UN	PVC, SDR-35 LEADER DRAIN EXTENSION OR RECONSTRUCTION
10	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
6	UN	RESET EXISTING CASTING
4	UN	CURB PIECE, TYPE "N-ECO"
4	UN	BICYCLE SAFE GRATE
36	SY	CONCRETE SIDEWALKS, 4" THICK
12	SY	CONCRETE DRIVEWAYS AND APRONS, REINFORCED, 6" THICK
2	SY	HOT MIX ASPHALT DRIVEWAY, 2" THICK
177	LF	9"X20" CONCRETE VERTICAL CURB
10	LF	PAINT CONCRETE CURBING
100	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
90	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 8" WIDE
16	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
6	SF	TRAFFIC MARKINGS, THERMOPLASTIC
4	UN	RESET WATER VALVE BOX
3	UN	RESET GAS VALVE BOX
216	SY	TOPSOILING, 4" THICK
216	SY	FERTILIZING AND SEEDING
216	SY	TOPSOIL STABILIZATION, TYPE 2MAT
5	UN	REPLACEMENT TREES

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INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
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TYPE 4	-	RESET EXISTING CASTING

BASELINES

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GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

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TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – ALBEMARLE ROAD (1 OF 2)

WARD 5

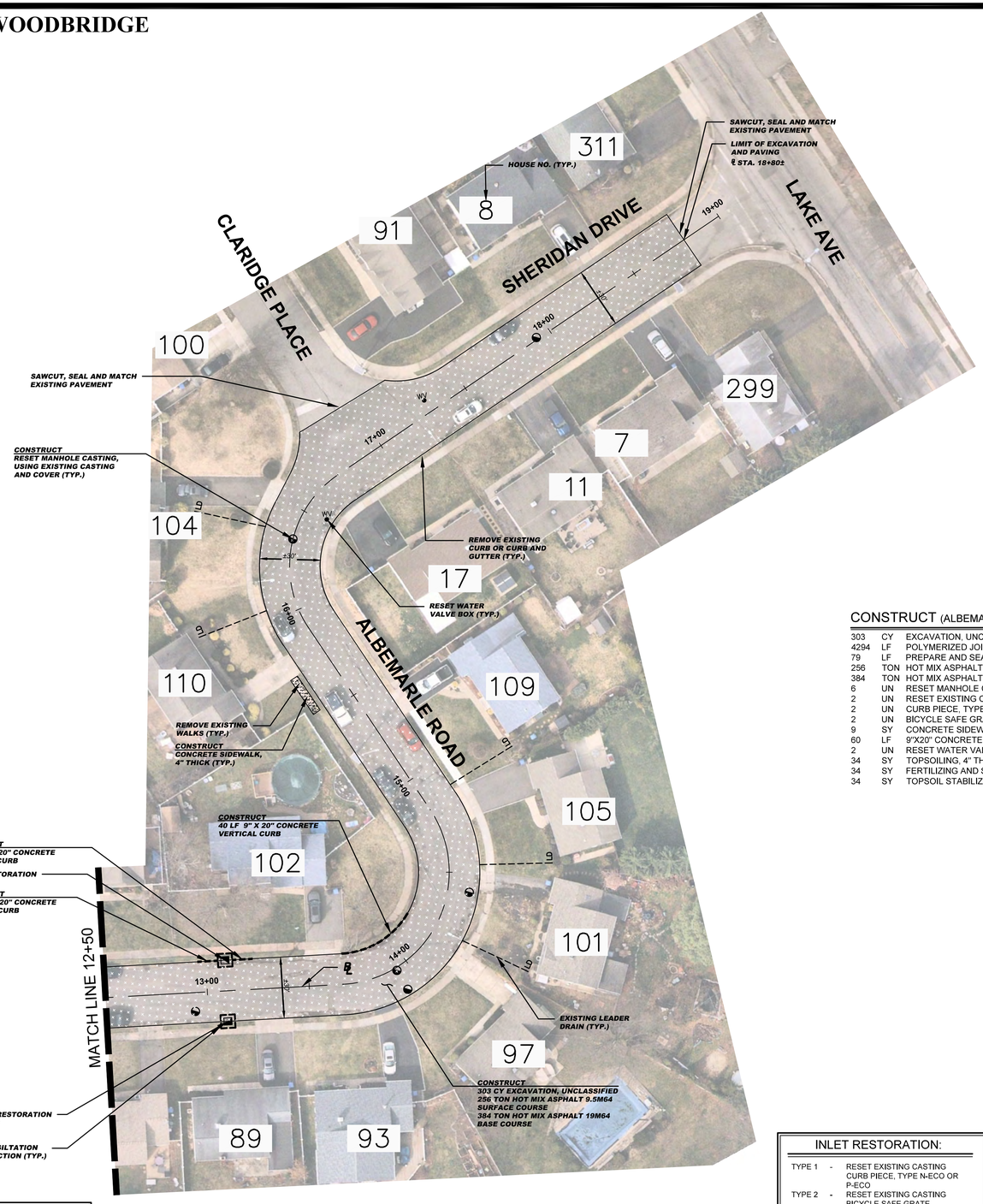
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(732) 727 8000 (732) 462 7400
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3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE: As Shown	DATE: April 2025	DRAWING NUMBER: C-35
DRAWN BY: AW	DESIGNED BY: AW/PD	
CHECKED BY: GO	SHEET: 38 of 69	C-44

PROJECT NO.: PWB0A616.01

TOWNSHIP OF WOODBRIDGE | **COUNTY OF MIDDLESEX**



CONSTRUCT (ALBEMARLE ROAD (2 OF 2))

303	CY	EXCAVATION, UNCLASSIFIED
4294	LF	POLYMERIZED JOINT ADHESIVE
79	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
256	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
384	TON	HOT MIX ASPHALT 19M64 BASE COURSE
6	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
2	UN	RESET EXISTING CASTING
2	UN	CURB PIECE, TYPE "N-ECO"
2	UN	BICYCLE SAFE GRATE
9	SY	CONCRETE SIDEWALKS, 4" THICK
60	LF	9"X20" CONCRETE VERTICAL CURB
2	UN	RESET WATER VALVE BOX
34	SY	TOPSOILING, 4" THICK
34	SY	FERTILIZING AND SEEDING
34	SY	TOPSOIL STABILIZATION, TYPE 2MAT

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GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

BASELINES

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PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
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- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
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TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – ALBEMARLE ROAD (2 OF 2)

WARD 5

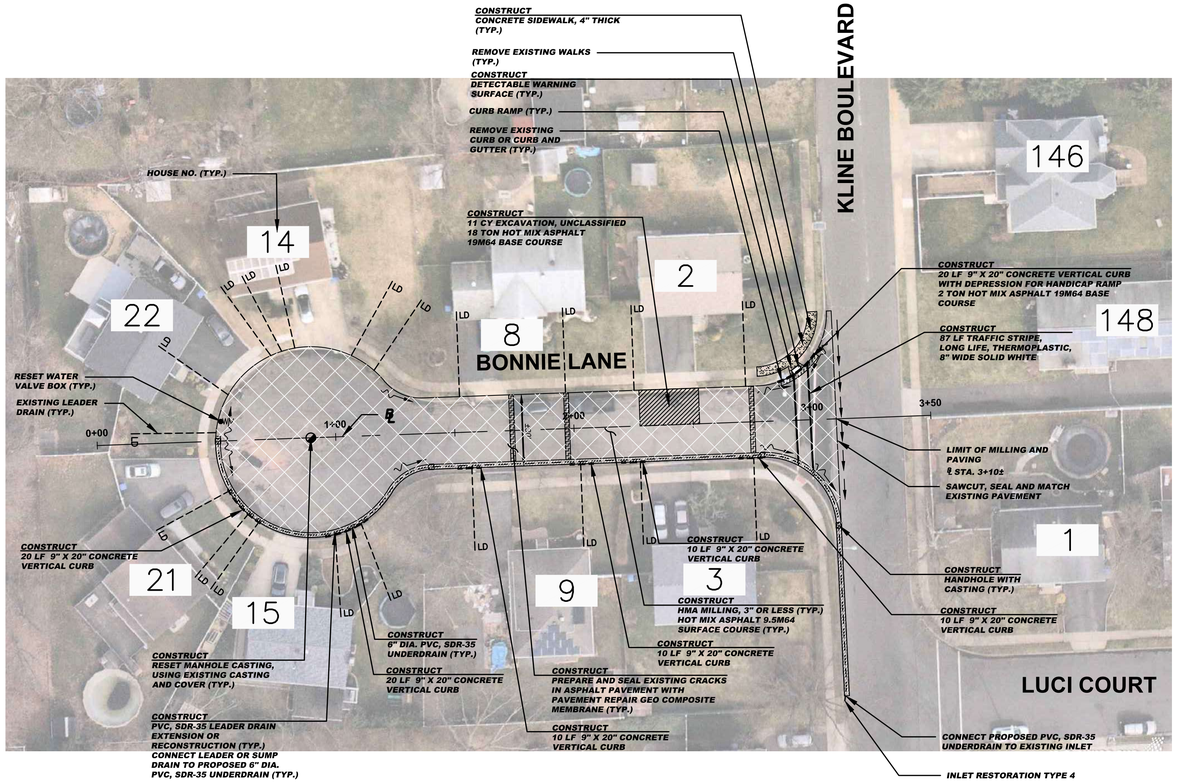
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GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	As Shown
DATE	April 2025
DRAWN BY	AW
DESIGNED BY	AW/PD
CHECKED BY	GO
SHEET	39of 69

PROJECT NO. PWB0A616.01

DRAWING NUMBER C-36 / C-44



GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

CONSTRUCT (BONNIE LANE)

11	CY	EXCAVATION, UNCLASSIFIED
1240	SY	HMA MILLING, 3" OR LESS
2891	LF	POLYMERIZED JOINT ADHESIVE
166	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
84	LF	PREPARE AND SEAL EXISTING TRANSVERSE CRACK IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
173	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
40	TON	HOT MIX ASPHALT 19M64 BASE COURSE
9	UN	PVC, SDR-35 LEADER DRAIN EXTENSION OR RECONSTRUCTION
384	LF	6" DIA. PVC, SDR-35 UNDERDRAIN
9	UN	CONNECT LEADER DRAIN OR SUMP DRAINS TO PROPOSED 6" SDR-35 UNDERDRAIN
1	UN	RESET EXISTING CASTING
4	UN	HANDHOLE WITH CASTING
1	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
20	SY	CONCRETE SIDEWALK, 4" THICK
1	SY	DETECTABLE WARNING SURFACE
100	LF	9"X20" CONCRETE VERTICAL CURB
87	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 8" WIDE
1	UN	RESET WATER VALVE BOX
56	SY	TOPSOILING, 4" THICK
56	SY	FERTILIZING AND SEEDING
56	SY	TOPSOIL STABILIZATION, TYPE 2 MAT

SPECIAL PROVISIONS

THE CONTRACTOR IS SPECIFICALLY DIRECTED TO THE REQUIREMENTS CONTAINED IN THE SPECIAL PROVISIONS SECTION OF THE CONTRACT SPECIFICATIONS.

PROPOSED CURB AND/OR ROADWAY REPLACEMENT

THE CONTRACTOR IS ADVISED THAT THEIR LICENSED LAND SURVEYOR SHALL PROVIDE THE CONSTRUCTION STAKEOUT FOR THE PROJECT AND THAT IS THE INTENT OF THE CONTRACT DOCUMENTS TO INSTALL THE NEW CURB, EDGE OF PAVEMENT, AND ROADWAY AT ITS PRESENT HORIZONTAL LOCATION AND VERTICAL LOCATION EXCEPT WHERE PROPOSED GRADES HAVE BEEN INDICATED ON THE PLAN. ACCORDINGLY, THE FULL RESPONSIBILITY FOR KEEPING AND MAINTAINING THE EXISTING ALIGNMENT AND GRADE PRIOR TO REMOVAL OF THE EXISTING CURB AND MILLING AND/OR EXCAVATION OF THE PAVEMENT SHALL REST UPON THE CONTRACTOR IN ACCORDANCE WITH DIVISION 1 GENERAL REQUIREMENTS SECTION 1-4.4 OF THE PROJECT SPECIFICATIONS.

INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

BASELINES

BASELINES ARE APPROXIMATE AND ARE FOR REFERENCE PURPOSES ONLY. BASELINES ARE NOT TO BE UTILIZED FOR LAYOUT.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
- DENOTES APPROXIMATE LOCATION OF EXISTING LOW POINT
- DENOTES TRAFFIC MARKINGS, LONG LIFE, THERMOPLASTIC WITH GLASS BEADS, FOR FIRE HYDRANT
- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
- DENOTES EXISTING TREES OR STUMPS TO BE REMOVED
- DENOTES RESET BRICKWALK/ PAVERS
- DENOTES PROPOSED REINFORCED CONCRETE SIDEWALK
- DENOTES HOT MIX ASPHALT DRIVEWAY RESTORATION
- DENOTES CONCRETE DRIVEWAY RESTORATION
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE EXCAVATION) AND PAVING WITH 19M64 BASE COURSE
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE TEMPORARY TRENCH REPAIR)
- DENOTES PROPOSED CONCRETE SIDEWALK AND DRIVEWAY APRON
- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE AND 3" HOT MIX ASPHALT 19M64 BASE COURSE
- DENOTES AREA TO BE MILLED AND RECEIVE MIN. 2" HMA 9.5M64 SURFACE COURSE
- DENOTES AREA TO BE MILLED, EXISTING CRACK TO BE CLEANED AND SEALED, AND GEO COMPOSITE MATERIAL TO BE INSTALLED
- DENOTES AREA TO BE EXCAVATED UP TO 9" AND RECEIVE HMA 19M64 BASE COURSE
- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE 7" HOT MIX ASPHALT 19M64 BASE COURSE 6" DENSE GRADED AGGREGATE BASE COURSE
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NO.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – BONNIE LANE

WARD 5

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
(732) 727 8000 (732) 462 7400
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28259900

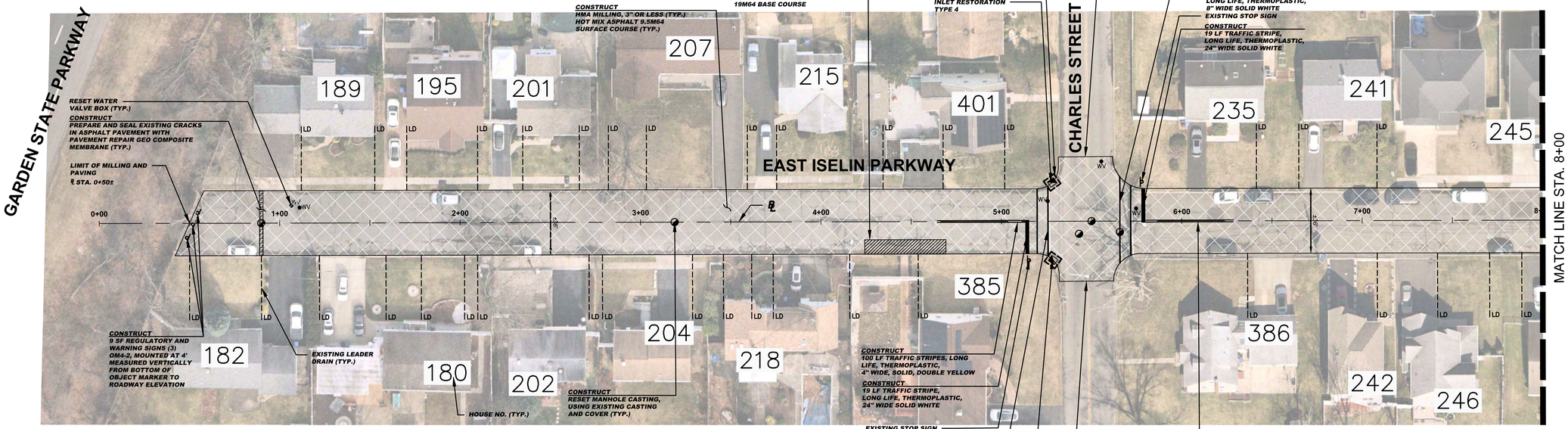
GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

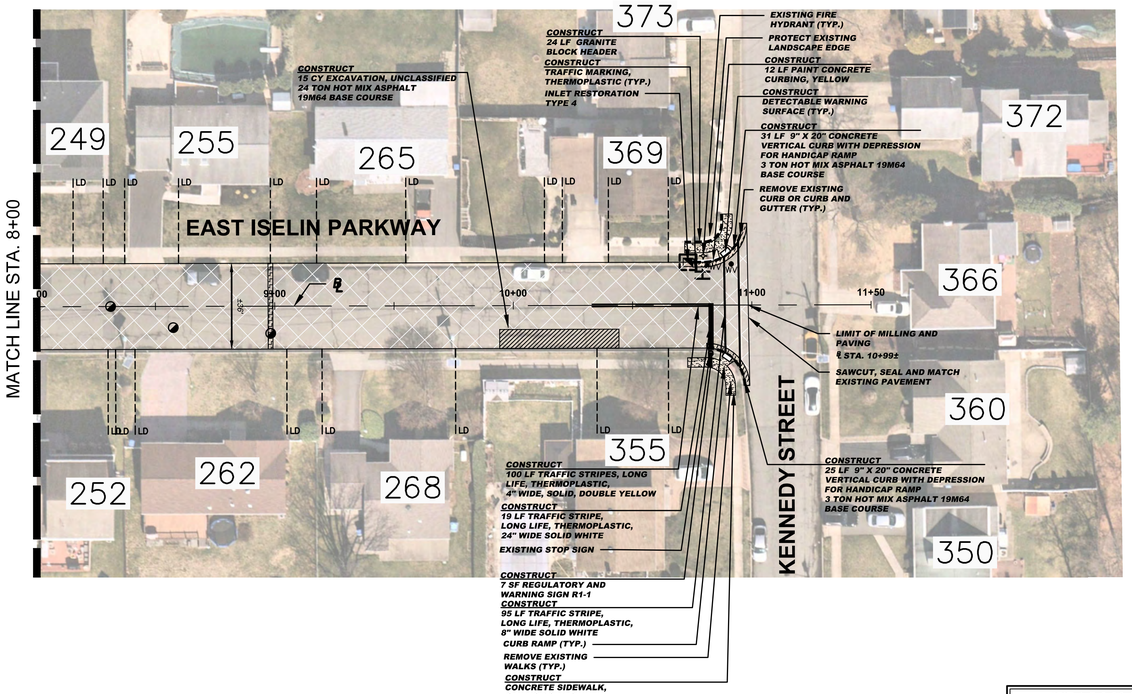
SCALE: As Shown	DATE: April 2025	DRAWING NUMBER: C-37
DRAWN BY: AW	DESIGNED BY: AW/PD	
CHECKED BY: GO	SHEET: 40of 69	C-44

PROJECT NO.: PWB0A616.01

TOWNSHIP OF WOODBRIDGE

COUNTY OF MIDDLESEX





OM4-2
18"x18"

STOP
R1-1
30" x 30"

NOTE:
1. ALL SIGNS SHALL MEET MINIMUM RETROREFLECTIVITY LEVEL STANDARDS.

SIGN LEGEND
N.T.S.

CONSTRUCT (EAST ISELIN PARKWAY)

21	CY	EXCAVATION, UNCLASSIFIED
4344	SY	HMA MILLING, 3" OR LESS
4760	LF	POLYMERIZED JOINT ADHESIVE
132	LF	PREPARE AND SEAL EXISTING JOINTS AND CRACKS IN ASPHALT PAVEMENT
72	LF	PREPARE AND SEAL EXISTING TRANSVERSE CRACKS IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
616	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
42	TON	HOT MIX ASPHALT 19M64 BASE COURSE
8	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
3	UN	RESET EXISTING CASTING
1	UN	BICYCLE SAFE GRATE
30	SY	CONCRETE SIDEWALKS, 4" THICK
2	SY	DETECTABLE WARNING SURFACE
55	LF	9"X20" CONCRETE VERTICAL CURB
24	LF	GRANITE BLOCK HEADER
12	LF	PAINT CONCRETE CURBING
300	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
258	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 8" WIDE
57	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
6	SF	TRAFFIC MARKINGS, THERMOPLASTIC
16	SF	REGULATORY AND WARNING SIGNS
7	UN	RESET WATER VALVE BOX
31	SY	TOPSOILING, 4" THICK
31	SY	FERTILIZING AND SEEDING
31	SY	TOPSOIL STABILIZATION, TYPE 2MAT

INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

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- DENOTES BENCH MARK LOCATION
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GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTON PLAN – EAST ISELIN PARKWAY

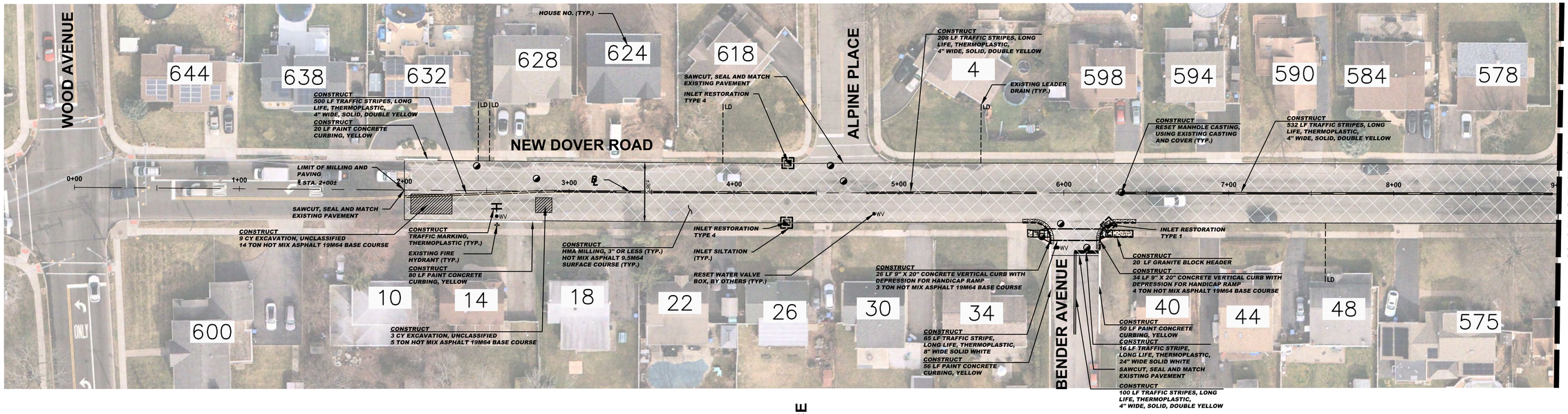
WARD 5

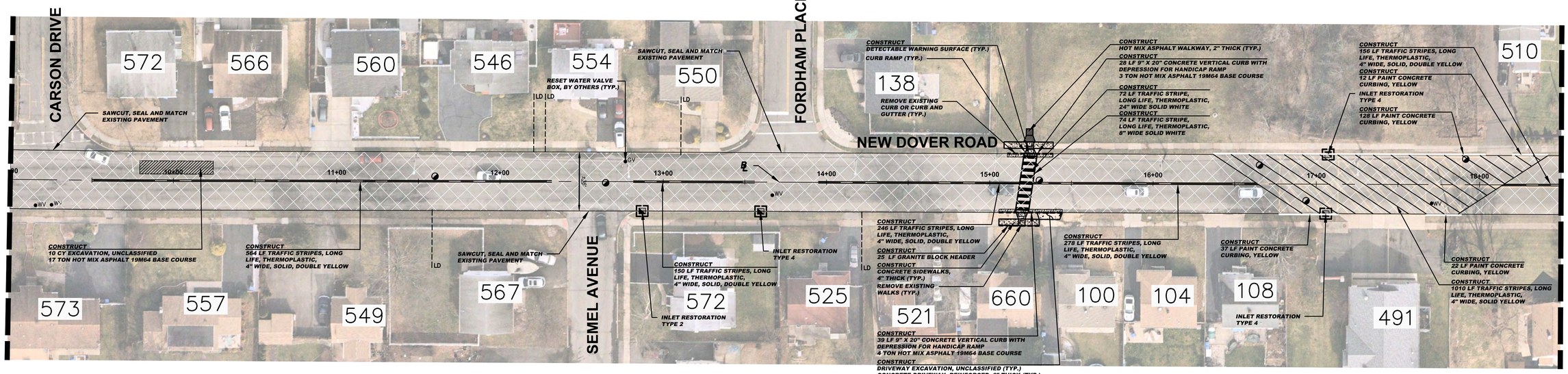
PROJECTION NO. PW-B0A616.01

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 (732) 727 8000
1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194 (732) 462 7400

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	As Shown
DATE	April 2025
DRAWN BY	AW
DESIGNED BY	AW/PD
CHECKED BY	GO
SHEET	41 of 69
DRAWING NUMBER	C-38 / C-44





CONSTRUCT (NEW DOVER ROAD (1 OF 2))

2	CY	DRIVEWAY EXCAVATION, UNCLASSIFIED
22	CY	EXCAVATION, UNCLASSIFIED
6671	SY	HMA MILLING, 3" OR LESS
6157	LF	POLYMERIZED JOINT ADHESIVE
363	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
949	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
36	TON	HOT MIX ASPHALT 19M64 BASE COURSE
14	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
7	UN	RESET EXISTING CASTING
1	UN	CURB PIECE, TYPE "P-ECO"
1	UN	BICYCLE SAFE GRATE
46	SY	CONCRETE SIDEWALK, 4" THICK
5	SY	HOT MIX ASPHALT WALKWAY, 2" THICK
7	SY	CONCRETE DRIVEWAYS AND APRONS, REINFORCED, 6" THICK
4	SY	DETECTABLE WARNING SURFACE
127	LF	9"X20" CONCRETE VERTICAL CURB
45	LF	GRANITE BLOCK HEADER
405	LF	PAINT CONCRETE CURBING
3644	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
139	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 8" WIDE
88	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
6	SF	TRAFFIC MARKINGS, THERMOPLASTIC
7	UN	RESET WATER VALVE BOX
1	UN	RESET GAS VALVE BOX
96	SY	TOPSOILING, 4" THICK
96	SY	FERTILIZING AND SEEDING
96	SY	TOPSOIL STABILIZATION, TYPE 2 MAT

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BASELINES

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INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
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TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – NEW DOVER ROAD (1 OF 2)

WARD 5

CVE ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
(732) 727 8000 (732) 462 7400
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

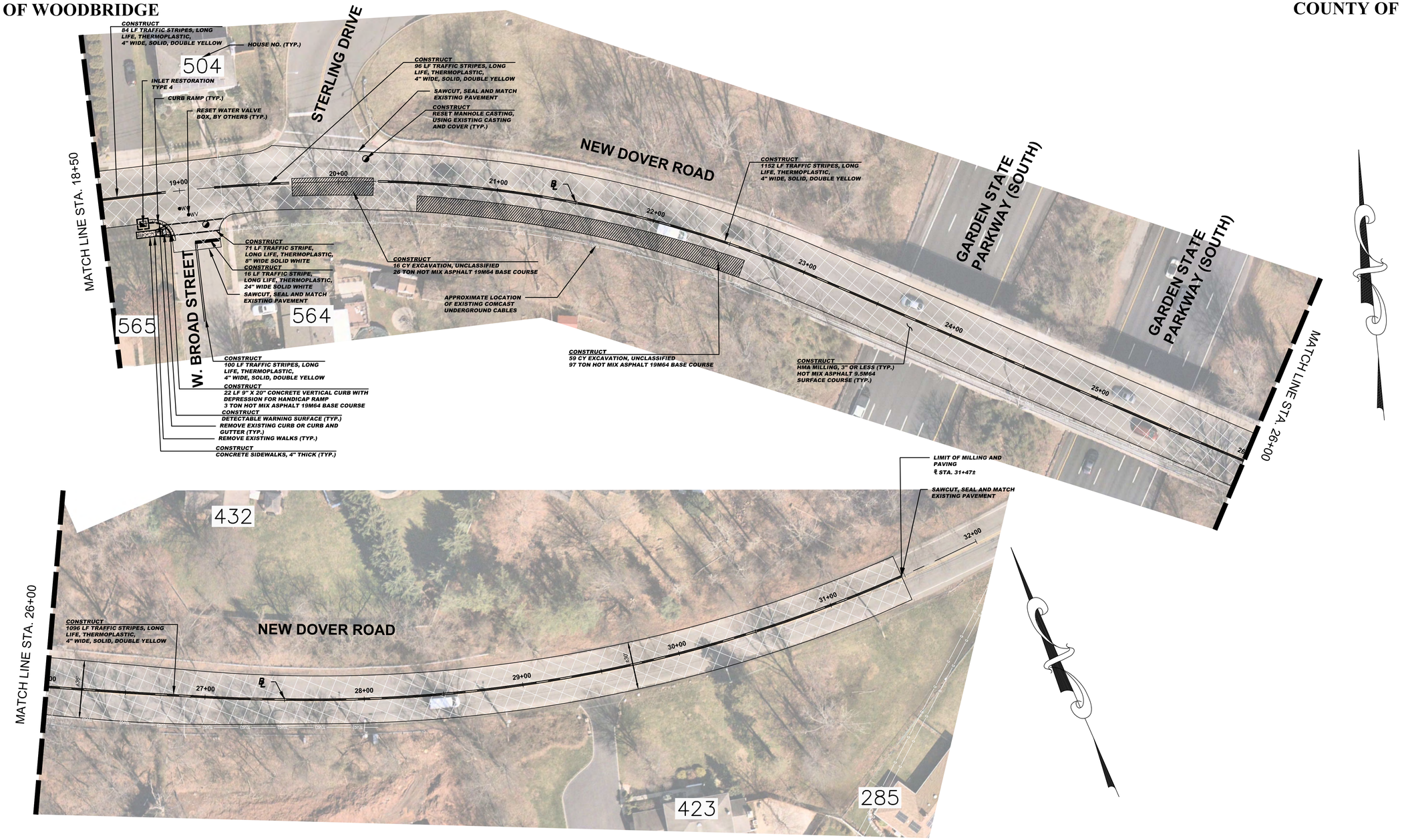
GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	As Shown
DATE	April 2025
DRAWN BY	OT
DESIGNED BY	OT/PD
CHECKED BY	GO
SHEET	42of 69
DRAWING NUMBER	C-39 / C-44

PROJECT NO. PWB0A616.01

TOWNSHIP OF WOODBRIDGE

COUNTY OF MIDDLESEX



CONSTRUCT (NEW DOVER ROAD (2 OF 2))

75	CY	EXCAVATION, UNCLASSIFIED
4989	SY	HMA MILLING, 3" OR LESS
5657	LF	POLYMERIZED JOINT ADHESIVE
135	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
717	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
126	TON	HOT MIX ASPHALT 19M64 BASE COURSE
2	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
1	UN	RESET EXISTING CASTING
11	SY	CONCRETE SIDEWALK, 4" THICK
1	SY	DETECTABLE WARNING SURFACE
22	LF	9"X20" CONCRETE VERTICAL CURB
2526	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
71	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 8" WIDE
16	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
2	UN	RESET WATER VALVE BOX
13	SY	TOPSOILING, 4" THICK
13	SY	FERTILIZING AND SEEDING
13	SY	TOPSOIL STABILIZATION, TYPE 2 MAT

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INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

BASELINES

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GRAPHIC SCALE

30 0 15 30 60 120

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PROPOSED LEGEND:

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- DENOTES RESET INLET CASTING
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No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – NEW DOVER ROAD (2 OF 2)

WARD 5

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 (732) 727 8000
1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194 (732) 462 7400

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	As Shown
DATE	April 2025
DRAWN BY	OT
DESIGNED BY	OT/PD
CHECKED BY	GO
SHEET	43of 69

DRAWING NUMBER C-40 to C-44

PROJECT NO. PWBOA616.01

RESOLUTION NO.

TOWNSHIP OF WOODBRIDGE | **COUNTY OF MIDDLESEX**



R1-1
30" x 30"

NOTE:

1. ALL SIGNS SHALL MEET MINIMUM RETROREFELCTIVITY LEVEL STANDARDS.

SIGN LEGEND
N.T.S.

CONSTRUCT (NORTH HILL ROAD (1 OF 3))

2892	SY	HMA MILLING, 3" OR LESS
3138	LF	POLYMERIZED JOINT ADHESIVE
130	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
140	LF	PREPARE AND SEAL EXISTING TRANSVERSE CRACK IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
431	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
1	UN	RESET MANHOLE CASTING, USING NEW CASTING AND COVER
6	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
4	UN	RESET EXISTING CASTING
4	UN	CURB PIECE TYPE "P-ECO"
3	UN	BICYCLE SAFE GRATE
45	LF	PAINT CONCRETE CURBING
100	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
15	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
12	SF	TRAFFIC MARKINGS, THERMOPLASTIC
7	SF	REGULATORY AND WARNING SIGNS
4	UN	RESET WATER VALVE BOX

SPECIAL PROVISIONS

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PROPOSED CURB AND/OR ROADWAY REPLACEMENT

THE CONTRACTOR IS ADVISED THAT THEIR LICENSED LAND SURVEYOR SHALL PROVIDE THE CONSTRUCTION STAKEOUT FOR THE PROJECT AND THAT IS THE INTENT OF THE CONTRACT DOCUMENTS TO INSTALL THE NEW CURB, EDGE OF PAVEMENT, AND ROADWAY AT ITS PRESENT HORIZONTAL LOCATION AND VERTICAL LOCATION EXCEPT WHERE PROPOSED GRADES HAVE BEEN INDICATED ON THE PLAN. ACCORDINGLY, THE FULL RESPONSIBILITY FOR KEEPING AND MAINTAINING THE EXISTING ALIGNMENT AND GRADE PRIOR TO REMOVAL OF THE EXISTING CURB AND MILLING AND/OR EXCAVATION OF THE PAVEMENT SHALL REST UPON THE CONTRACTOR IN ACCORDANCE WITH DIVISION 1 GENERAL REQUIREMENTS SECTION 1-4.4 OF THE PROJECT SPECIFICATIONS.

INLET RESTORATION:

TYPE 1	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO
TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

BASELINES

BASELINES ARE APPROXIMATE AND ARE FOR REFERENCE PURPOSES ONLY. BASELINES ARE NOT TO BE UTILIZED FOR LAYOUT.

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

PROPOSED LEGEND:

- DENOTES PROPOSED MANHOLE
- DENOTES RESET MANHOLE CASTING
- DENOTES RECONSTRUCT MANHOLE
- DENOTES PROPOSED INLET
- DENOTES RESET INLET CASTING
- DENOTES RECONSTRUCT INLET
- DENOTES PROPOSED DETECTABLE WARNING SURFACE
- DENOTES EXISTING VALLEY GUTTER
- DENOTES DIRECTION OF FLOW
- DENOTES APPROXIMATE LOCATION OF EXISTING HIGH POINT
- DENOTES APPROXIMATE LOCATION OF EXISTING LOW POINT
- DENOTES TRAFFIC MARKINGS, LONG LIFE, THERMOPLASTIC WITH GLASS BEADS, FOR FIRE HYDRANT
- DENOTES PAINT CONCRETE CURBING, YELLOW
- DENOTES BENCH MARK LOCATION
- DENOTES EXISTING TREES OR STUMPS TO BE REMOVED
- DENOTES RESET BRICKWALK/ PAVERS
- DENOTES PROPOSED REINFORCED CONCRETE SIDEWALK
- DENOTES HOT MIX ASPHALT DRIVEWAY RESTORATION
- DENOTES CONCRETE DRIVEWAY RESTORATION
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE EXCAVATION) AND PAVING WITH 19M64 BASE COURSE
- DENOTES REMOVE AND REPLACE CURB (INCLUDING 2' WIDE TEMPORARY TRENCH REPAIR)
- DENOTES PROPOSED CONCRETE SIDEWALK AND DRIVEWAY APRON
- DENOTES AREA TO BE EXCAVATED AND RECEIVE 2" HOT MIX ASPHALT 9.5M64 SURFACE COURSE AND 3" HOT MIX ASPHALT 19M64 BASE COURSE
- DENOTES AREA TO BE MILLED AND RECEIVE MIN. 2" HMA 9.5M64 SURFACE COURSE
- DENOTES AREA TO BE MILLED, EXISTING CRACK TO BE CLEANED AND SEALED, AND GEO COMPOSITE MATERIAL TO BE INSTALLED
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TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – NORTH HILL ROAD (1 OF 3)

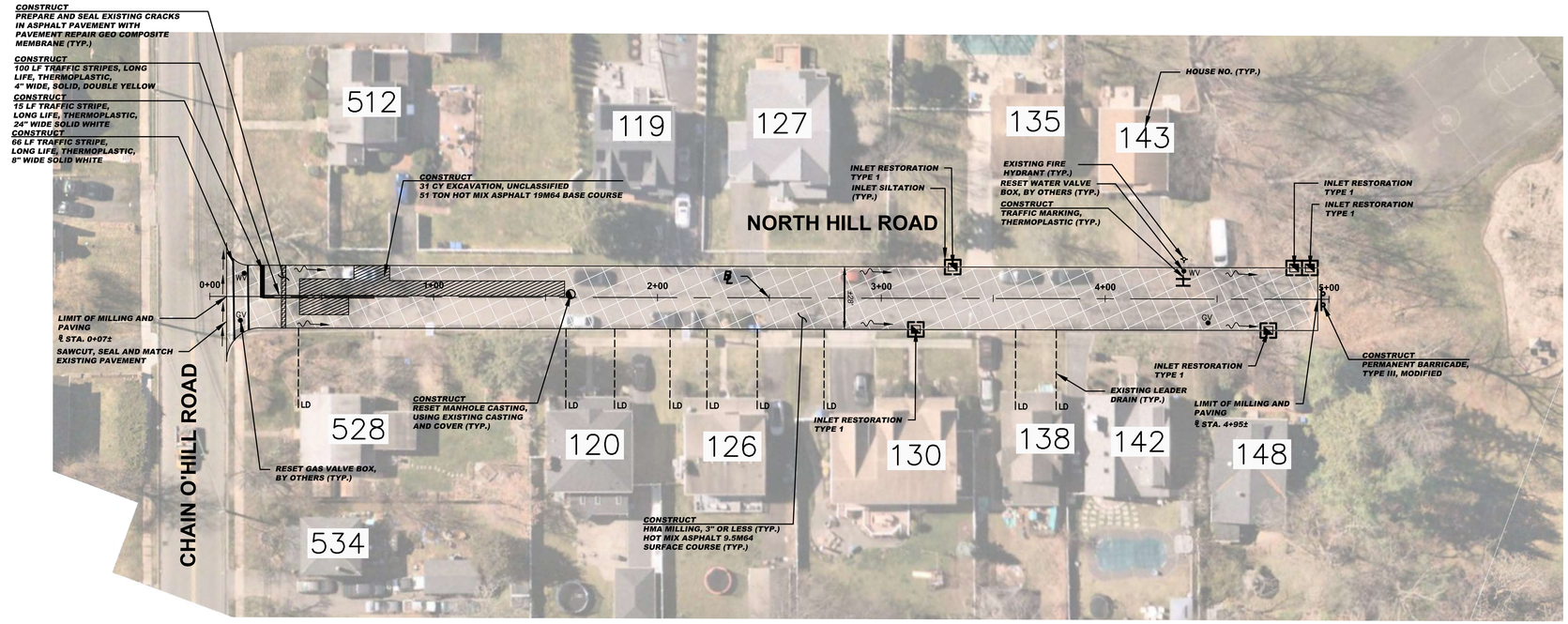
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GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE As Shown	DATE April 2025	DRAWING NUMBER	C-41
DRAWN BY OT	DESIGNED BY OT/PD		C-44
CHECKED BY GO	SHEET 44 of 69		

RESOLUTION NO. PWB0A616.01



CONSTRUCT (NORTH HILL ROAD (2 OF 3))

31	CY	EXCAVATION, UNCLASSIFIED
1525	SY	HMA MILLING, 3" OR LESS
2258	LF	POLYMERIZED JOINT ADHESIVE
53	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
28	LF	PREPARE AND SEAL EXISTING TRANSVERSE CRACK IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
229	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
51	TON	HOT MIX ASPHALT 19M64 BASE COURSE
1	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
5	UN	RESET EXISTING CASTING
5	UN	CURB PIECE TYPE "P-ECO"
100	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
66	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 8" WIDE
15	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
6	SF	TRAFFIC MARKINGS, THERMOPLASTIC
1	UN	PERMANENT BARRICADE, TYPE III, MODIFIED
2	UN	RESET WATER VALVE BOX
2	UN	RESET GAS VALVE BOX

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INLET RESTORATION:

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TYPE 2	-	RESET EXISTING CASTING BICYCLE SAFE GRATE
TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

BASELINES

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GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

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TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – NORTH HILL ROAD (2 OF 3)

WARD 5

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LIC. 47483
DATE 4/9/25

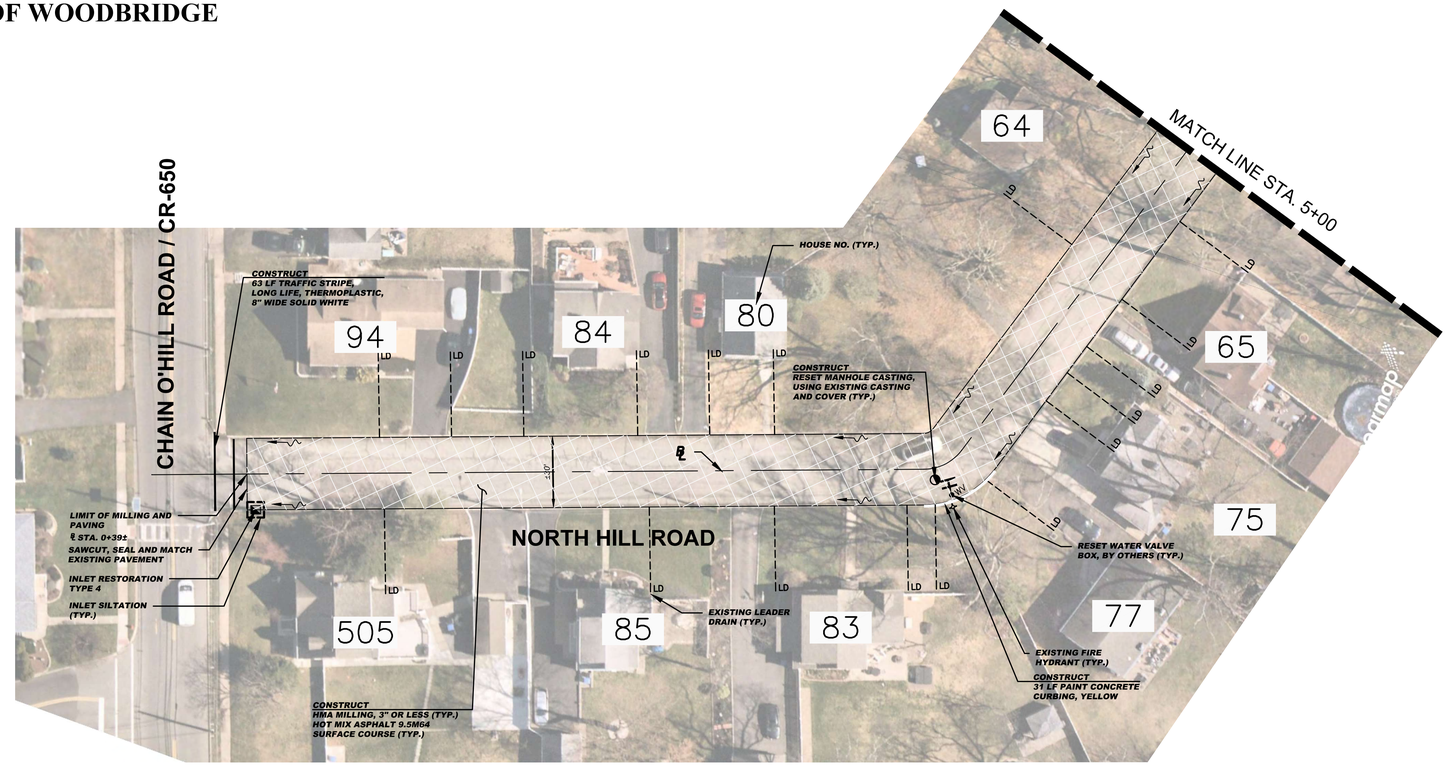
SCALE	As Shown	DATE	April 2025
DRAWN BY	OT	DESIGNED BY	OT/PD
CHECKED BY	GO	SHEET	45of 69

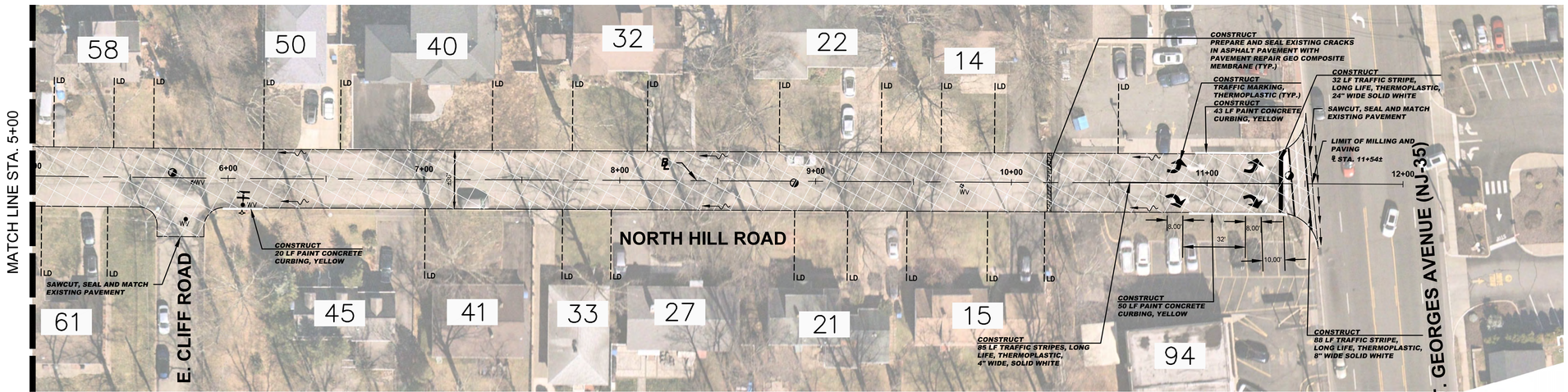
DRAWING NUMBER
C-42
C-44

REGISTER NO.
PW20A616.01

TOWNSHIP OF WOODBRIDGE

COUNTY OF MIDDLESEX





CONSTRUCT (NORTH HILL ROAD (3 OF 3))

3791	SY	HMA MILLING, 3" OR LESS
3820	LF	POLYMERIZED JOINT ADHESIVE
125	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
30	LF	PREPARE AND SEAL EXISTING TRANSVERSE CRACK IN ASPHALT PAVEMENT WITH PAVEMENT REPAIR GEO COMPOSITE MEMBRANE
558	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
4	UN	RESET MANHOLE CASTING, USING EXISTING CASTING AND COVER
1	UN	RESET EXISTING CASTING
144	LF	PAINT CONCRETE CURBING
85	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 4" WIDE
151	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 8" WIDE
32	LF	TRAFFIC STRIPES, LONG LIFE, "THERMOPLASTIC", 24" WIDE
72	SF	TRAFFIC MARKINGS, THERMOPLASTIC
5	UN	RESET WATER VALVE BOX

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TYPE 4	-	RESET EXISTING CASTING

BASELINES

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GRAPHIC SCALE

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(IN FEET)
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TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – NORTH HILL ROAD (3 OF 3)

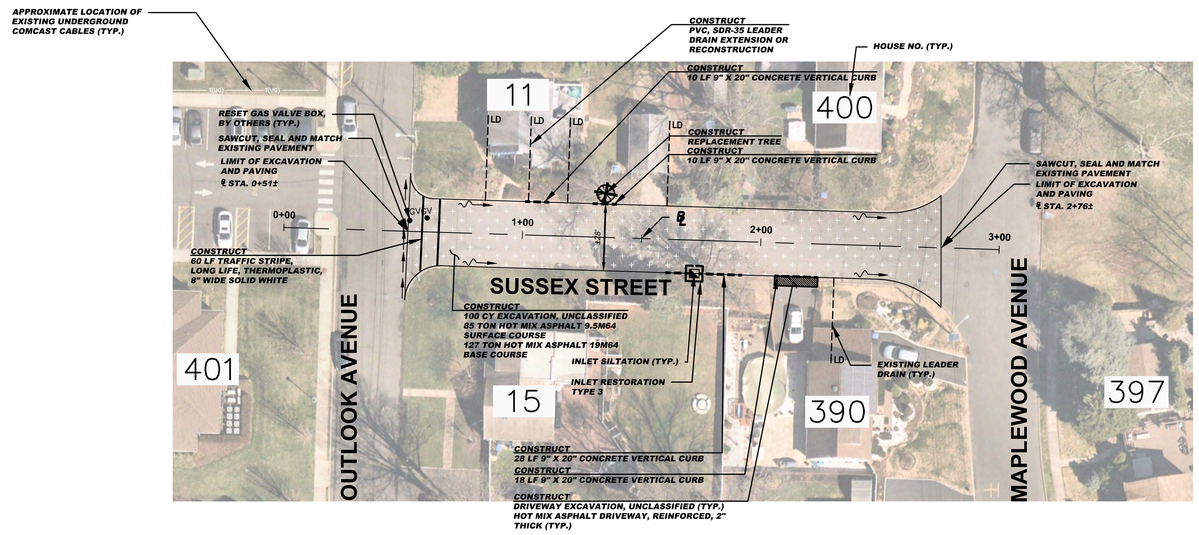
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DATE 4/9/25

SCALE	DATE	DRAWING NUMBER
As Shown	April 2025	C-43
DRAWN BY: OT	DESIGNED BY: OT/PD	
CHECKED BY: GO	SHEET: 46 of 69	C-44



CONSTRUCT (SUSSEX STREET)

3	CY	DRIVEWAY EXCAVATION, UNCLASSIFIED
101	CY	EXCAVATION, UNCLASSIFIED
1706	LF	POLYMERIZED JOINT ADHESIVE
100	LF	PREPARE AND SEAL EXISTING JOINTS & CRACKS IN ASPHALT PAVEMENT
85	TON	HOT MIX ASPHALT 9.5M64 SURFACE COURSE
128	TON	HOT MIX ASPHALT 19M64 BASE COURSE
1	UN	PVC, SDR-35 LEADER DRAIN EXTENSION OR RECONSTRUCTION
1	UN	RESET EXISTING CASTING
1	UN	CURB PIECE, TYPE "N-ECO"
1	UN	BICYCLE SAFE GRATE
8	SY	HOT MIX ASPHALT DRIVEWAY RESTORATION, 2" THICK
66	LF	9" X 20" CONCRETE VERTICAL CURB
2	UN	RESET GAS VALVE BOX
37	SY	TOPSOILING, 4" THICK
37	SY	FERTILIZING AND SEEDING
37	SY	TOPSOIL STABILIZATION, TYPE 2 MAT
1	UN	REPLACEMENT TREE

GRAPHIC SCALE

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TYPE 3	-	RESET EXISTING CASTING CURB PIECE, TYPE N-ECO OR P-ECO, BICYCLE SAFE GRATE
TYPE 4	-	RESET EXISTING CASTING

PROPOSED LEGEND:

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- DENOTES RESET INLET CASTING
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MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION PLAN – SUSSEX STREET

WARD 5

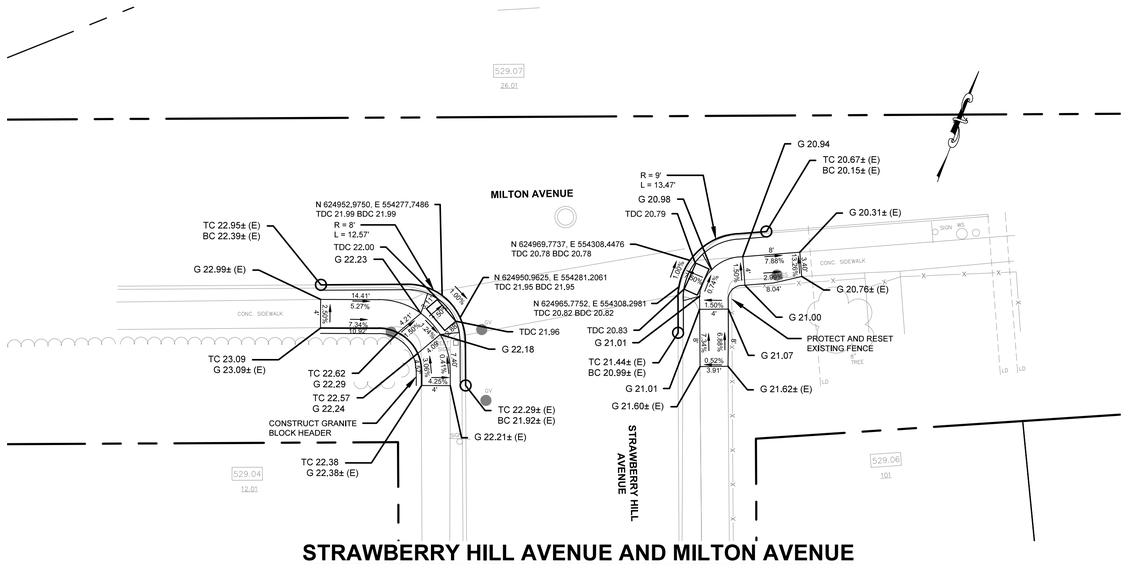
CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 (732) 727 8000
1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194 (732) 462 7400

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

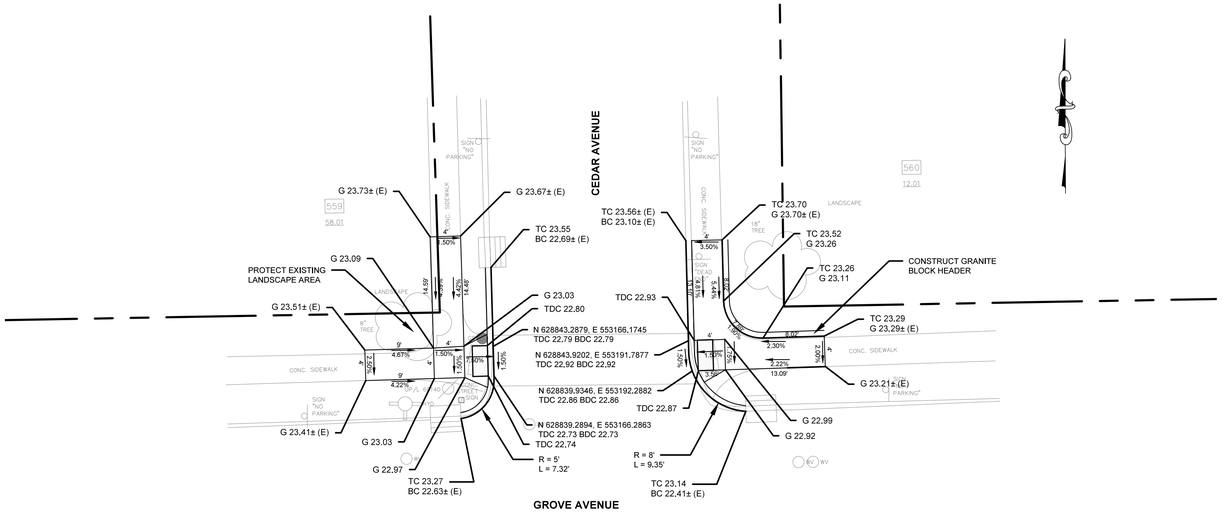
SCALE As Shown	DATE April 2025	DRAWING NUMBER C-44
DRAWN BY OT	DESIGNED BY OT/PD	
CHECKED BY GO	SHEET 47of 69	C-44

PROJECT NO. PWB0A616.01

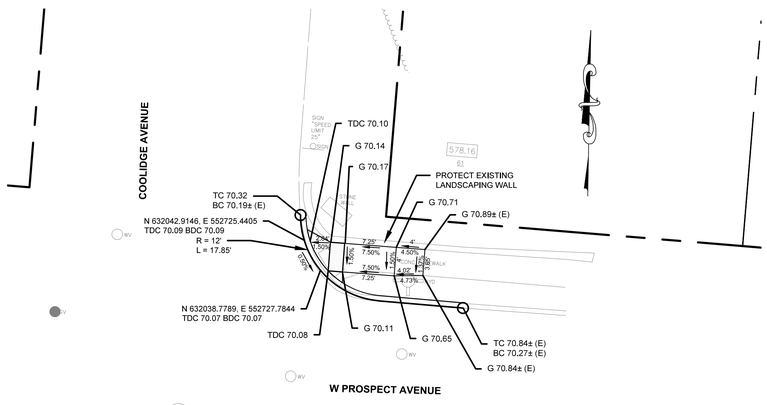
TOWNSHIP OF WOODBRIDGE | **COUNTY OF MIDDLESEX**



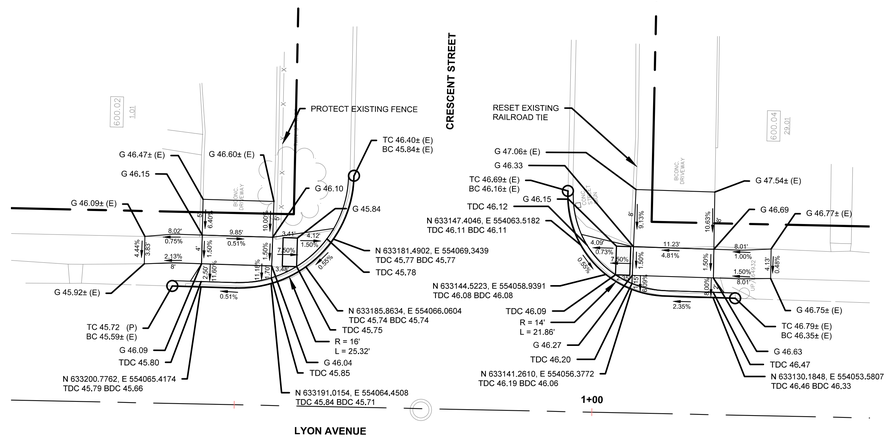
STRAWBERRY HILL AVENUE AND MILTON AVENUE



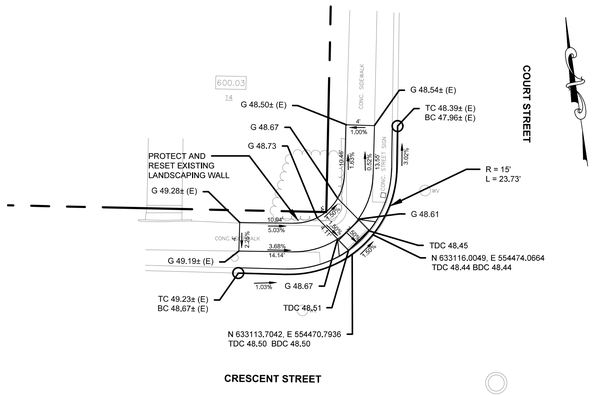
GROVE AVENUE AND CEDAR AVENUE



COOLIDGE AVENUE AND W PROSPECT AVENUE



LYON AVENUE AND CRESCENT STREET



CRESCENT STREET AND COURT STREET

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

PROPOSED LEGEND:

- — DENOTES PROPOSED CURB
- L — DENOTES 4'X4' LANDING AREA @ 2.0% MAX SLOPE
- — DENOTES DETECTABLE WARNING SURFACE
- — DENOTES PROPOSED CURB RAMP
- 1.5% — DENOTES PROPOSED SLOPE ALONG SIDEWALK
- G 40,62 — DENOTES PROPOSED GRADE ALONG SIDEWALK

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CURB RAMP DETAILS - WARD 1

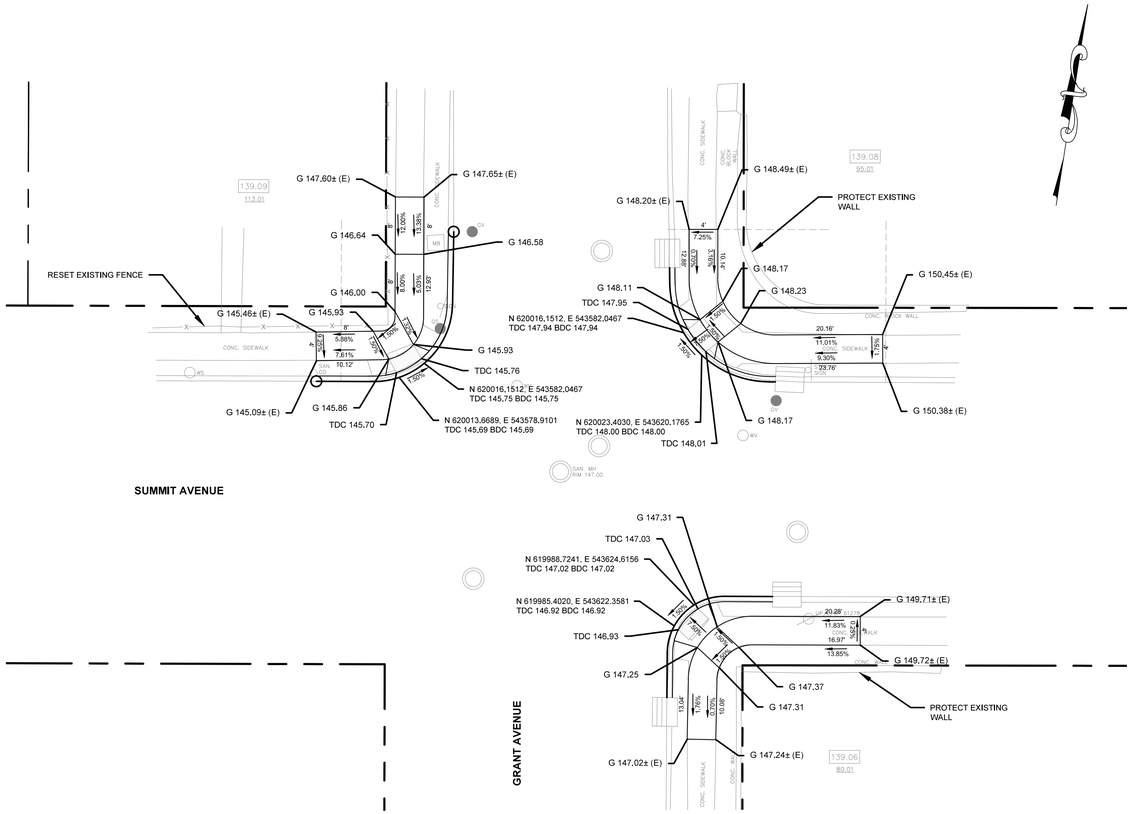
REGISTER NO.

FILE NO. PWB0A616.01

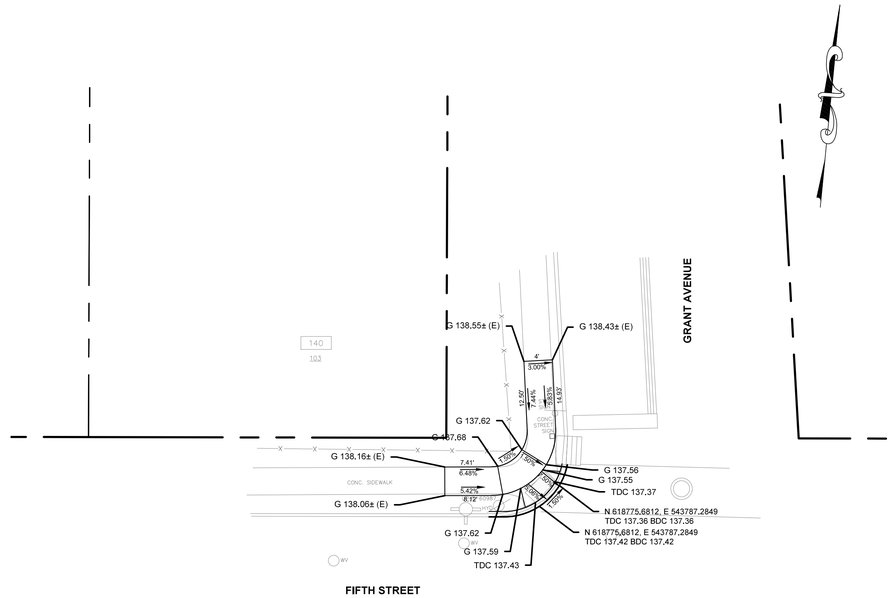
CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
(732) 727 8000 (732) 462 7400
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	DATE	DRAWING NUMBER
As Shown	April 2025	
DRAWN BY: AW/PD	DESIGNED BY: AW/PD	
CHECKED BY: GO	SHEET: 48 of 69	



SUMMIT AVENUE AND GRANT AVENUE



FIFTH STREET AND GRANT AVENUE

PROPOSED LEGEND:

- DENOTES PROPOSED CURB
- DENOTES 4'X4' LANDING AREA @ 2.0% MAX SLOPE
- DENOTES DETECTABLE WARNING SURFACE
- DENOTES PROPOSED CURB RAMP
- 1.5% — DENOTES PROPOSED SLOPE ALONG SIDEWALK
- G 40.62 — DENOTES PROPOSED GRADE ALONG SIDEWALK

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CURB RAMP DETAILS - WARD 2

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
(732) 727 8000 (732) 462 7400
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	DATE
As Shown	April 2025
DRAWN BY: CH	DESIGNED BY: CH/PD
CHECKED BY: GO	SHEET: 49 of 69

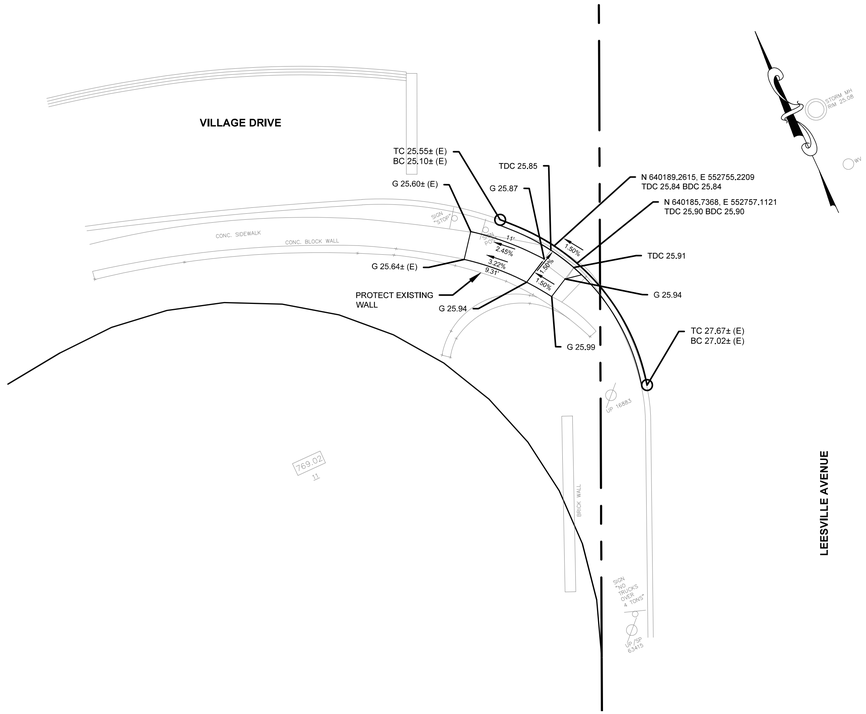
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FILE NO. PWB0A616.01

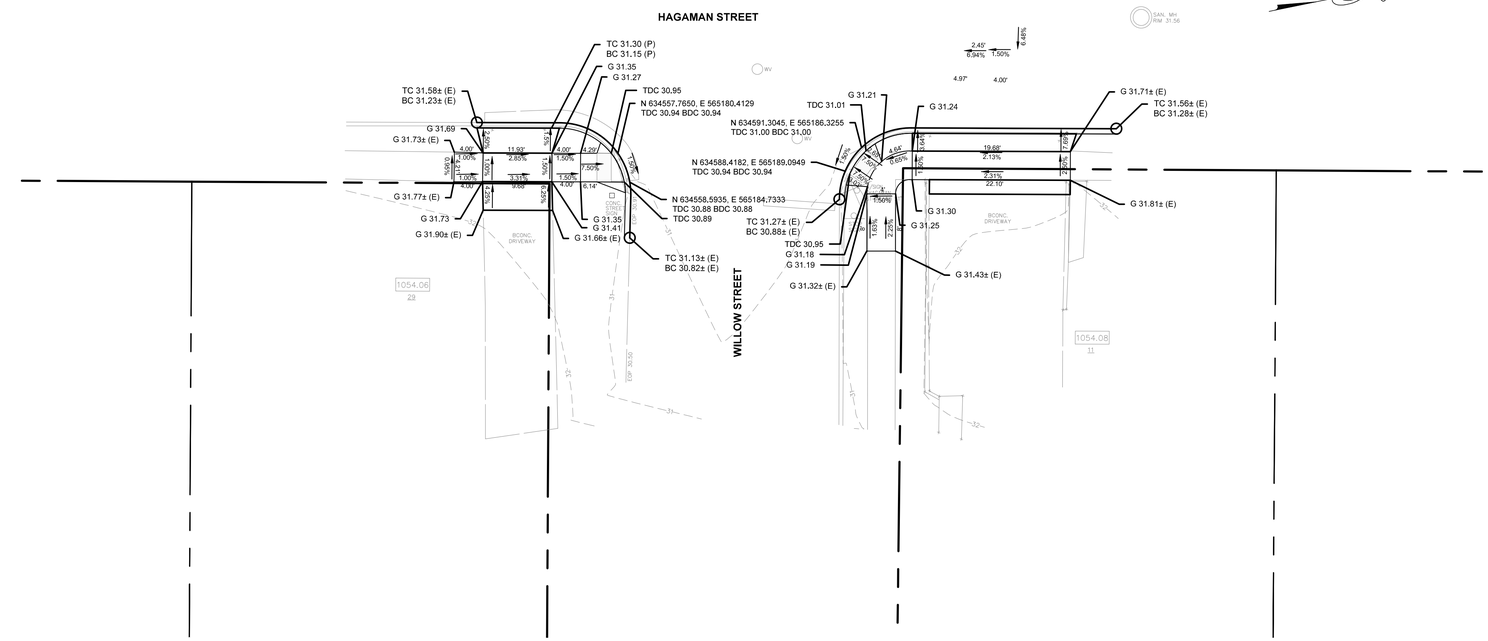
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TOWNSHIP OF WOODBRIDGE

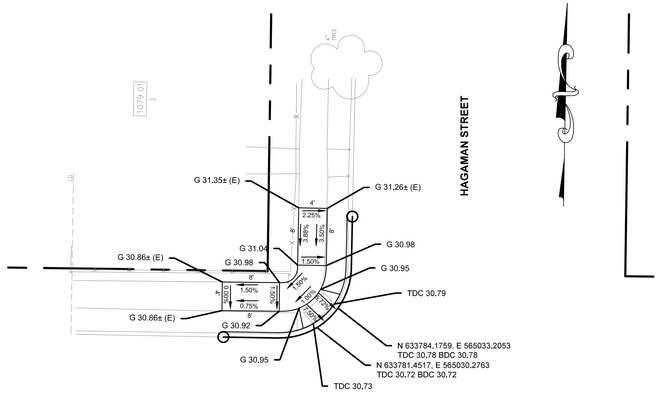
COUNTY OF MIDDLESEX



VILLAGE DRIVE AND LEESVILLE AVENUE



WILLOW STREET AND HAGAMAN STREET



BIRCH STREET AND HAGAMAN STREET

PROPOSED LEGEND:

- DENOTES PROPOSED CURB
- DENOTES 4'X4' LANDING AREA @ 2.0% MAX SLOPE
- DENOTES DETECTABLE WARNING SURFACE
- DENOTES PROPOSED CURB RAMP
- 1.5% — DENOTES PROPOSED SLOPE ALONG SIDEWALK
- G 40.62 — DENOTES PROPOSED GRADE ALONG SIDEWALK

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CURB RAMP DETAILS – WARD 3

REGISTER NO.

FILE NO. PWB0A616.01

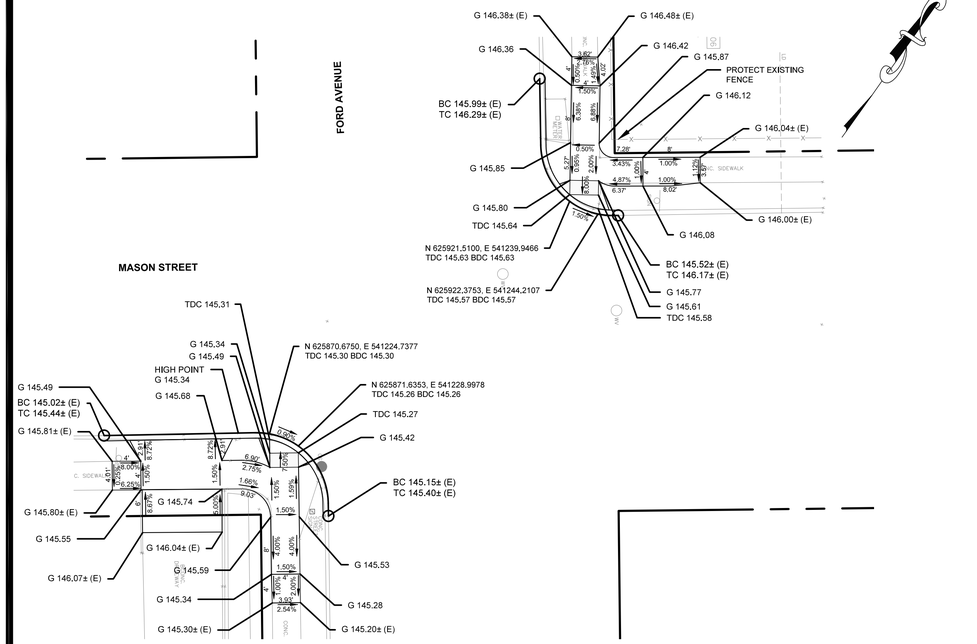
CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
(732) 727 8000 (732) 462 7400
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

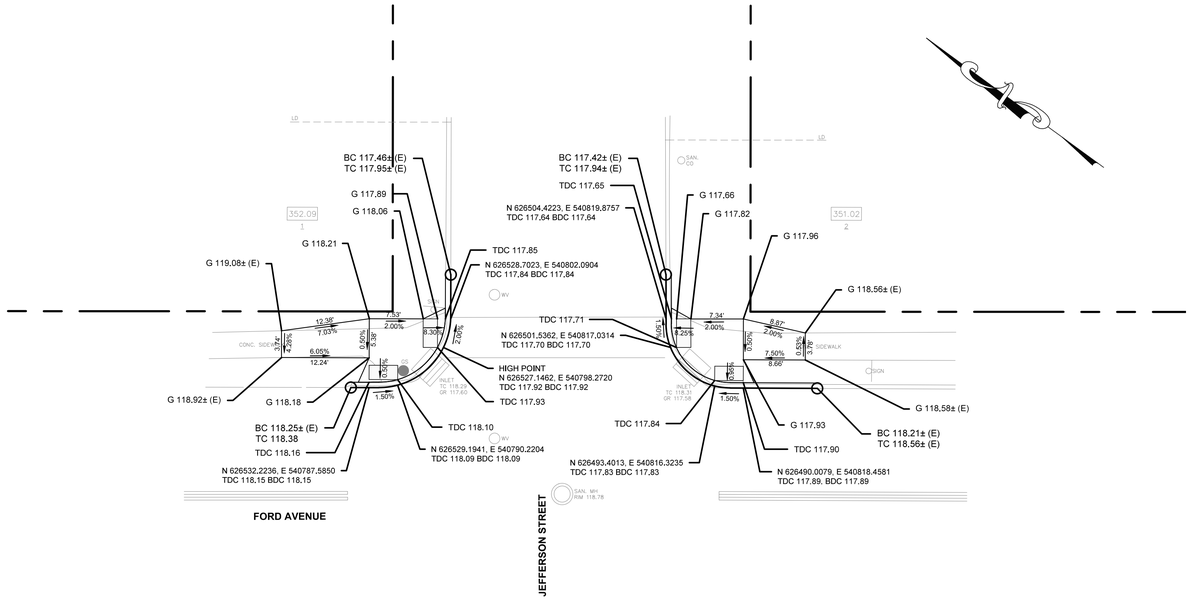
SCALE	DATE	DRAWING NUMBER
As Shown	April 2025	CR-3
DRAWN BY CH/OT	DESIGNED BY CH/OT/PD	CR-5
CHECKED BY GO	SHEET 50 of 69	

TOWNSHIP OF WOODBRIDGE

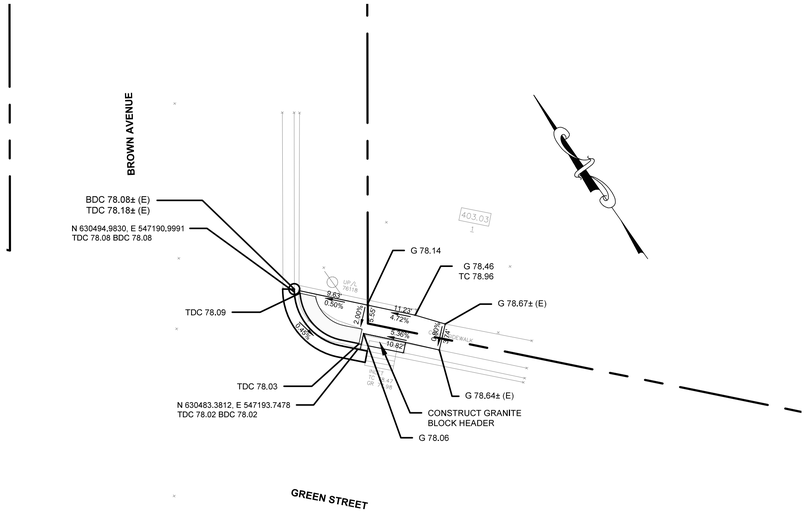
COUNTY OF MIDDLESEX



MASON STREET AND FORD AVENUE



JEFFERSON STREET AND FORD AVENUE



GREEN STREET AND BROWN AVENUE

PROPOSED LEGEND:

- DENOTES PROPOSED CURB
- DENOTES 4'X4' LANDING AREA @ 2.0% MAX SLOPE
- DENOTES DETECTABLE WARNING SURFACE
- DENOTES PROPOSED CURB RAMP
- 1.5% — DENOTES PROPOSED SLOPE ALONG SIDEWALK
- G 40.62 — DENOTES PROPOSED GRADE ALONG SIDEWALK

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CURB RAMP DETAILS – WARD 4

REGISTER NO.

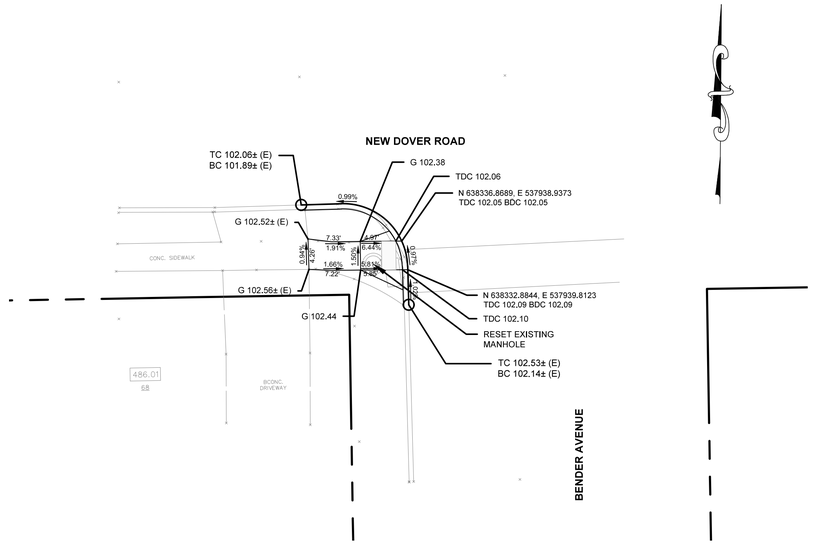
FILE NO. PWB0A616.01

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
(732) 727 8000 (732) 462 7400
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	DATE
As Shown	April 2025
DRAWN BY: AW	DESIGNED BY: AW/PD
CHECKED BY: GO	SHEET: 51 of 69

DRAWING NUMBER
CR-4
CR-5



NEW DOVER ROAD AND BENDER AVENUE

PROPOSED LEGEND:

- DENOTES PROPOSED CURB
- DENOTES 4'X4' LANDING AREA @ 2.0% MAX SLOPE
- DENOTES DETECTABLE WARNING SURFACE
- DENOTES PROPOSED CURB RAMP
- 1.5% — DENOTES PROPOSED SLOPE ALONG SIDEWALK
- G 40.62 — DENOTES PROPOSED GRADE ALONG SIDEWALK

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CURB RAMP DETAILS – WARD 5

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28039000
(732) 727 8000 (732) 462 7400
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	DATE
As Shown	April 2025
DRAWN BY	DESIGNED BY
AW	AW/PD
CHECKED BY	SHEET
GO	52 of 69

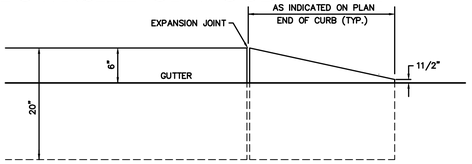
PROJECT NO. PWB0A616.01

DRAWING NUMBER CR-5

CR-5

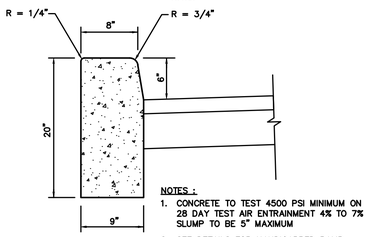
TOWNSHIP OF WOODBRIDGE

COUNTY OF MIDDLESEX



9"x 20" KNOCKOUT CURB

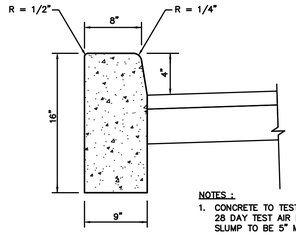
N.T.S.



NOTES :
1. CONCRETE TO TEST 4500 PSI MINIMUM ON 28 DAY TEST AIR ENTRAINMENT 4% TO 7% SLUMP TO BE 5" MAXIMUM
2. SEE DETAILS FOR HANDICAPPED RAMP

TYPICAL 9"x 20" CURB DETAIL

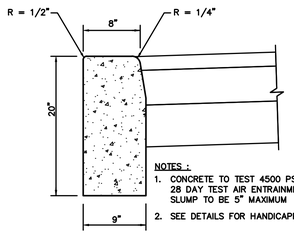
N.T.S.



NOTES :
1. CONCRETE TO TEST 4500 PSI MINIMUM ON 28 DAY TEST AIR ENTRAINMENT 4% TO 7% SLUMP TO BE 5" MAXIMUM
2. SEE DETAILS FOR HANDICAPPED RAMP

TYPICAL 9"x 16" CURB DETAIL

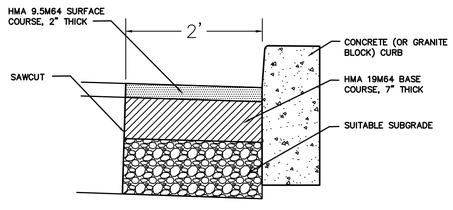
N.T.S.



NOTES :
1. CONCRETE TO TEST 4500 PSI MINIMUM ON 28 DAY TEST AIR ENTRAINMENT 4% TO 7% SLUMP TO BE 5" MAXIMUM
2. SEE DETAILS FOR HANDICAPPED RAMP

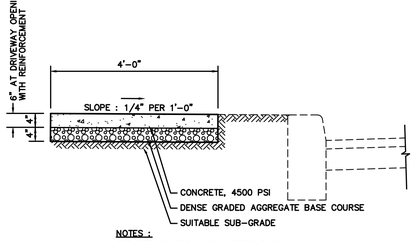
FLUSH 9"x 20" CURB DETAIL

N.T.S.



TRENCH REPAIR DETAIL FOR CURB REPLACEMENT

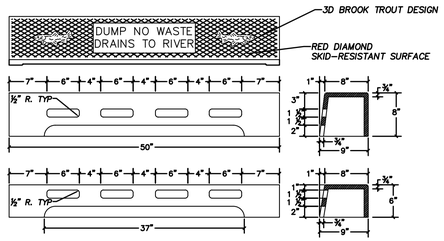
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NOTES :
SEE DETAILS FOR HANDICAPPED RAMP

TYPICAL SIDEWALK DETAIL

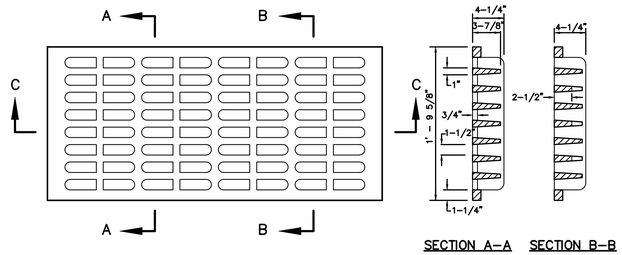
N.T.S.



NOTE:
CAMPBELL CASTING PATTERN NO. 2618, TYPE N-ECO, BICYCLE SAFE GRATE OR APPROVED EQUAL.

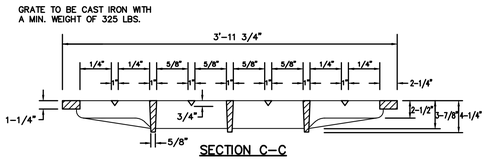
CURB PIECE TYPE 'N-ECO'

N.T.S.



SECTION A-A SECTION B-B

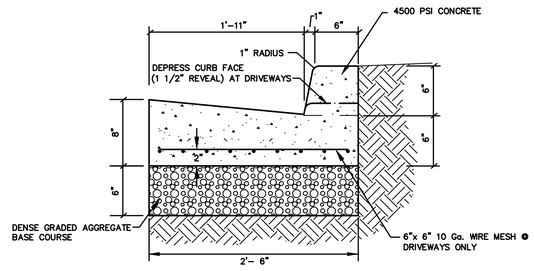
GRATE TO BE CAST IRON WITH A MIN. WEIGHT OF 325 LBS.



SECTION C-C

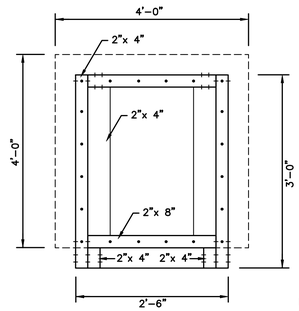
BICYCLE SAFE GRATE

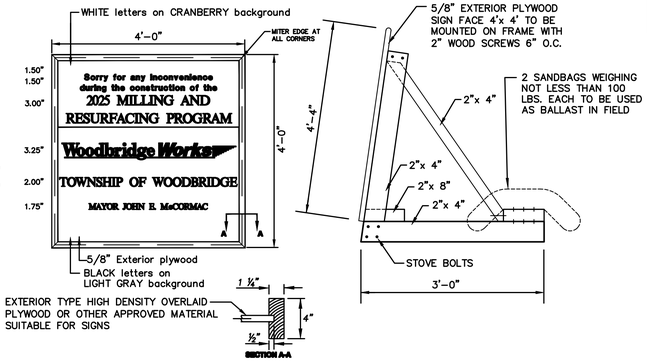
N.T.S.



CONCRETE CURB & GUTTER

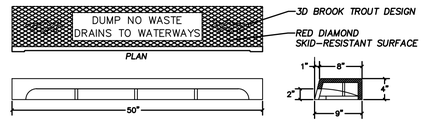
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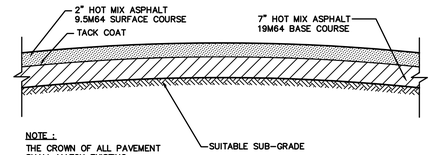
PROJECT SIGN DETAIL

N.T.S.



CURB PIECE TYPE 'P-ECO'

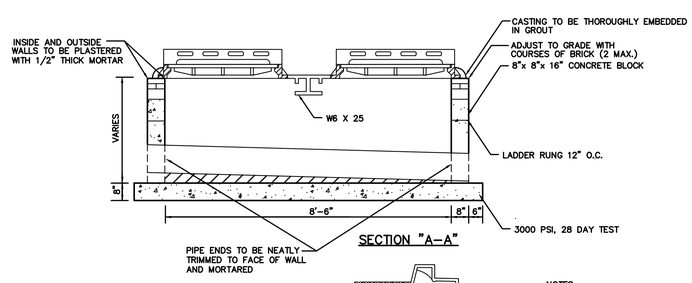
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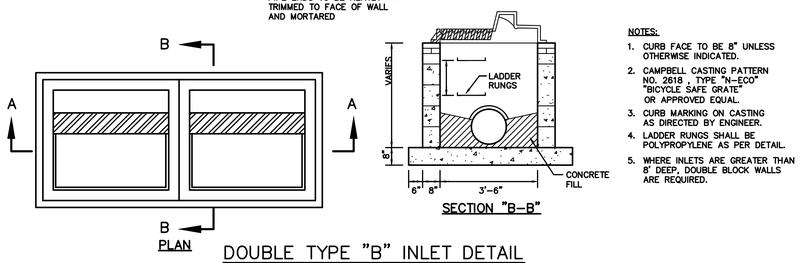
NOTE :
THE CROWN OF ALL PAVEMENT SHALL MATCH EXISTING

TYPICAL PAVEMENT DETAIL

N.T.S.



SECTION "A-A"

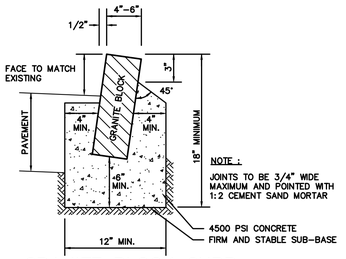


SECTION "B-B"

NOTES:
1. CURB FACE TO BE 8" UNLESS OTHERWISE INDICATED.
2. CAMPBELL CASTING PATTERN NO. 2618 , TYPE "N-ECO" "BICYCLE SAFE GRATE" OR APPROVED EQUAL.
3. CURB MARKING ON CASTING AS DIRECTED BY ENGINEER.
4. LADDER RUNGS SHALL BE POLYPROPYLENE AS PER DETAIL.
5. WHERE INLETS ARE GREATER THAN 8' DEEP, DOUBLE BLOCK WALLS ARE REQUIRED.

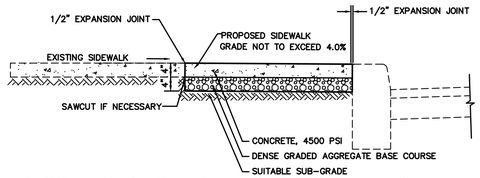
DOUBLE TYPE "B" INLET DETAIL

N.T.S.



GRANITE BLOCK CURB

N.T.S.



TYPICAL SERVICE WALK REPLACEMENT DETAIL

N.T.S.

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION DETAILS (1 OF 5)

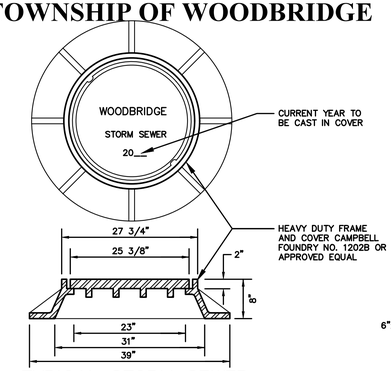
CVE ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
(732) 727 8000 (732) 462 7400
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	DATE
As Shown	April 2025
DRAWN BY	DESIGNED BY
PD	PD
CHECKED BY	SHEET
GO	53 of 69

DRAWING NUMBER
CD-1
CD-5

PROJECT NO. PWB0A616.01
REGISTER NO.



TYPICAL STORM SEWER MANHOLE FRAME & COVER

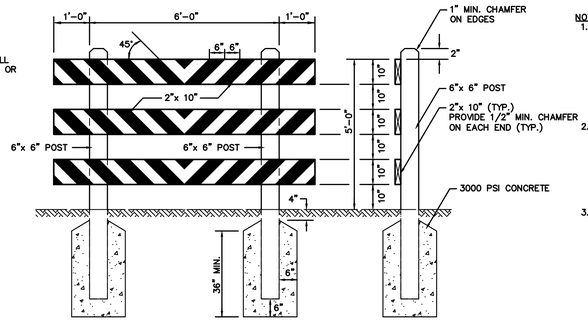
N.T.S.

IF WATERTIGHT MANHOLE FRAMES & COVERS ARE REQUIRED THEY SHALL BE AS MFG. BY CAMPBELL FOUNDRY CO. PATTERN NO. 1503 OR APPROVED EQUAL.

NOTE :

THE MANHOLE COVER AND FRAME SHALL BE OF THE HEAVY HIGHWAY TYPE, WITH THE CIRCULAR FLARED TYPE FRAME AND ROUND FLANGE.

CAMPBELL FOUNDRY CO. PATTERN NO. 1202B OR ITS EQUIVALENT.

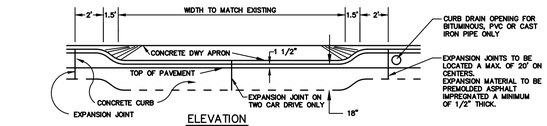


PERMANENT BARRICADE TYPE III MODIFIED FOR DEAD END ROADS

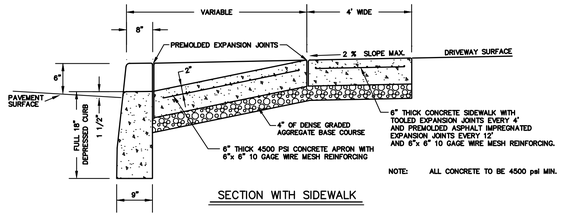
N.T.S.

NOTES :

1. ALL MEMBERS TO BE SOUTHERN YELLOW PINE PRESSURE TREATED WITH "ACQ" OR "COPPER AZOLE" OR APPROVED EQUAL ARSENIC FREE MATERIALS AND PROCEDURES APPROVED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA). ALL RAILS TO BE MOUNTED AS DIRECTED BY THE ENGINEER. CONNECTIONS TO BE MADE WITH 3/4" LAG BOLTS IN COUNTERSUNK HOLES.
2. FACE OF RAILS SHALL BE COVERED WITH REFLECTORIZED SHEETING, TYPE II, MEETING REQUIREMENTS OF THE NJDOT AND MUTCD. OTHER PARTS SHALL BE PAINTED WHITE, 3 COATS. MARKINGS FOR RAILS SHALL BE ALTERNATE WHITE AND RED STRIPES SLOPING DOWNWARD AT AN ANGLE OF 45° IN THE DIRECTION WHICH TRAFFIC MUST TURN.
3. THE RED AND WHITE STRIPES SHALL BE REFLECTORIZED SO AS TO BE VISIBLE UNDER NORMAL ATMOSPHERIC CONDITIONS FROM A MINIMUM DISTANCE OF 1000 FT. WHEN ILLUMINATED BY THE LOW BEAMS OF STANDARD AUTOMOBILE HEADLIGHTS.

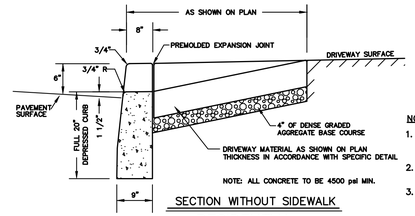


ELEVATION



NOTE: ALL CONCRETE TO BE 4500 psi MIN.

SECTION WITH SIDEWALK



NOTE: ALL CONCRETE TO BE 4500 psi MIN.

SECTION WITHOUT SIDEWALK

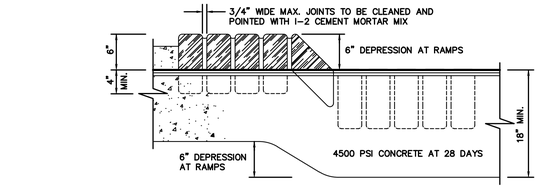
RESIDENTIAL
DRIVEWAY ENTRANCE

NOTES :

1. DRAINS TO BE RECONSTRUCTED ONLY IN AREAS OF CURB REMOVAL AND REPLACEMENT AS INDICATED ON PLANS
2. PROVIDE ADAPTER IF EXISTING DRAIN IS DIFFERENT THAN 4" DIAMETER.
3. IF SIDEWALK IS PROPOSED AND THERE IS NO EXISTING DRAIN, PIPE SHALL BE INSTALLED TO BACK EDGE OF SIDEWALK AND CAPPED.

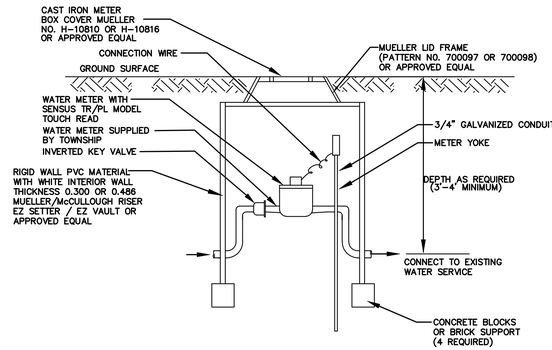
DEPRESSED CURB, DRIVEWAY APRON & SIDEWALK

N.T.S.



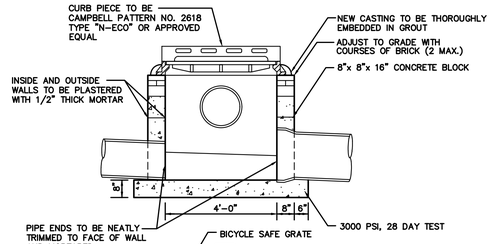
GRANITE BLOCK CURB

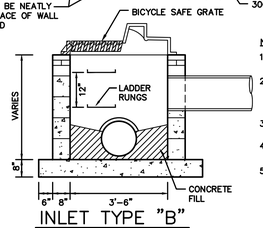
N.T.S.



WATER METER BOX

N.T.S.



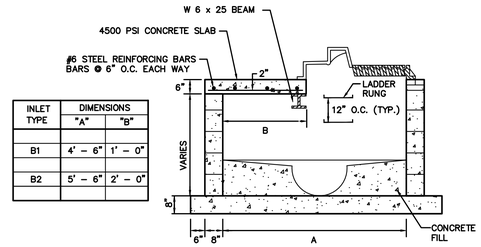


NOTES:

1. CURB FACE TO BE 8" UNLESS OTHERWISE INDICATED.
2. CAMPBELL CASTING PATTERN NO. 2618 - TYPE "N-ECO" "BICYCLE SAFE GRATE" OR APPROVED EQUAL.
3. CURB MARKING ON CASTING AS DIRECTED BY ENGINEER.
4. LADDER RUNGS SHALL BE POLYPROPYLENE AS PER DETAIL.
5. WHERE INLETS ARE GREATER THAN 8' DEEP, DOUBLE BLOCK WALLS ARE REQUIRED.

INLET TYPE "B"

N.T.S.



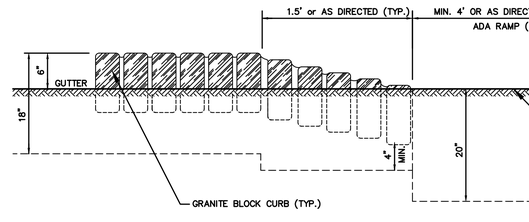
INLET TYPE	DIMENSIONS "A"	"B"
B1	4' – 6"	1' – 0"
B2	5' – 6"	2' – 0"

NOTE :

1. INLETS TYPE B1 OR TYPE B2 SHALL BE OF SAME CONSTRUCTION AND DIMENSIONS AS INLET, TYPE B EXCEPT OTHERWISE INDICATED BELOW
2. CURB FACE TO BE 8" UNLESS OTHERWISE NOTED.

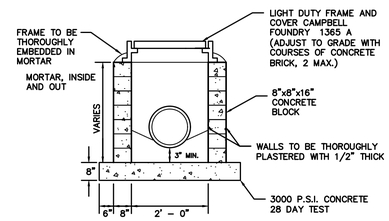
INLET – TYPE "B1" & "B2"

N.T.S.



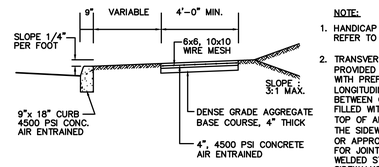
GRANITE BLOCK AND CONCRETE CURB AT RAMP

N.T.S.



LAWN INLET DETAIL

N.T.S.

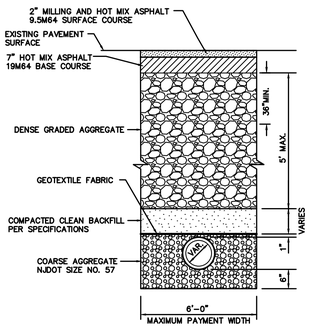


NOTE:

1. HANDICAP RAMPS SHALL BE REINFORCED WITH WIRE MESH. REFER TO DETAILS FOR HANDICAP RAMP CONSTRUCTION.
2. TRANSVERSE EXPANSION JOINTS 1/2" WIDE SHALL BE PROVIDED AT INTERVALS OF NOT MORE THAN 20' AND FILLED WITH PREFORMED BITUMINOUS CELLULAR TYPE JOINT FILLER. LONGITUDINAL JOINTS, 1/2" WIDE, SHALL BE PROVIDED BETWEEN CURBS AND ABUTTING SIDEWALKS, AND SHALL BE FILLED WITH PREFORMED BITUMINOUS TYPE JOINT FILLER. THE TOP OF ALL JOINT FILLER SHALL BE 1/2" BELOW THE TOP OF THE SIDEWALK AND FILLED WITH JOINT SEALER (SIKAFLEX 1A, OR APPROVED EQUAL). NO SEPARATE PAYMENT WILL BE MADE FOR JOINT CAP, REMOVABLE JOINT STRIP, JOINT SEALER AND WELDED STEEL WIRE FABRIC PROVIDED IN CONCRETE SIDEWALKS. NO SEPARATE PAYMENT WILL BE MADE FOR DENSE GRADED AGGREGATE BASE COURSE.

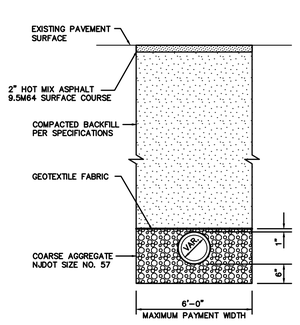
SIDEWALK DETAIL
REINFORCED COUNTY CONCRETE

N.T.S.



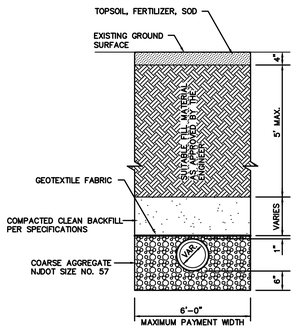
ROADWAY TRENCH REPAIR

N.T.S.



TEMPORARY TRENCH REPAIR

N.T.S.

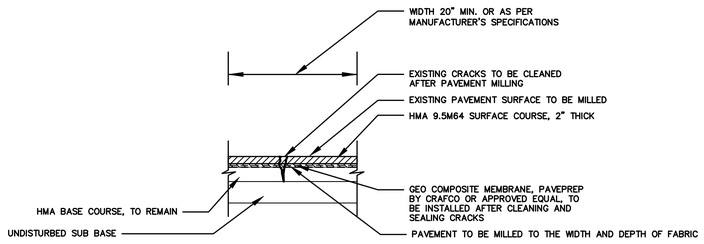


UNPAVED TRENCH REPAIR

N.T.S.

TYPICAL BEDDING AND TRENCH DETAILS FOR SANITARY SEWER MAINS AND LATERALS

N.T.S.



ROADWAY CRACK REPAIR

N.T.S.

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

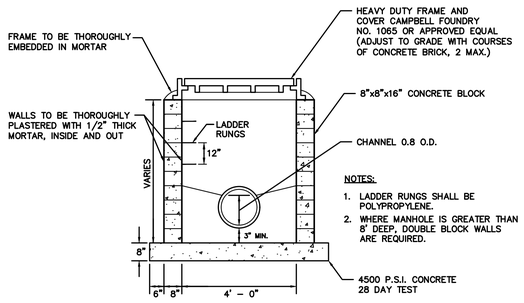
CONSTRUCTION DETAILS (2 OF 5)

CVE ASSOCIATES
(732) 727 8000 CONSULTING AND MUNICIPAL ENGINEERS (732) 462 7400
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28139000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	DATE	DRAWING NUMBER
As Shown	April 2025	CD-2
DRAWN BY	DESIGNED BY	
PD	PD	CD-5
CHECKED BY	SHEET	
GO	54 of 69	

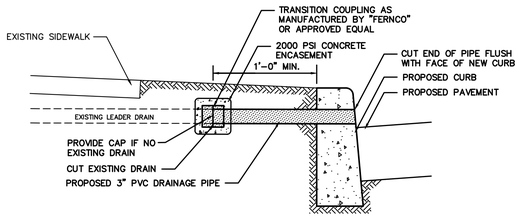
PROJECT NO. PWB0A616.01



SECTION A–A

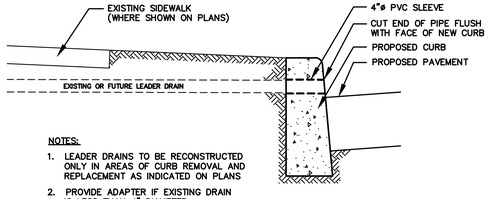
4' SQUARE MANHOLE DETAIL

N.T.S.



LEADER OR SUMP DRAIN RECONSTRUCTION DETAIL

N.T.S.



LEADER DRAIN SLEEVE DETAIL FOR AREAS WITH NO EXISTING OR PROPOSED STORM SEWER SYSTEM

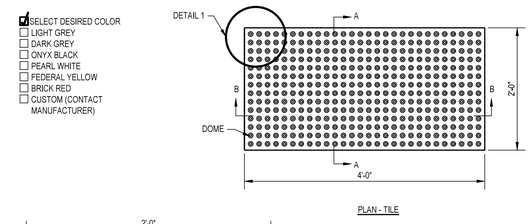
N.T.S.

Armor-Tile™

Tactile Systems

ENGINEERED PLASTICS, INC.
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WILLIAMSVILLE, NY, 14221
TOLL FREE: 1-800-682-2525
PHONE: (716) 626-3626
FAX: (800) 769-4463
www.armor-tile.com

- [x] SELECT DESIRED COLOR
- [ ] LIGHT GREY
- [ ] DARK GREY
- [ ] ONYX BLACK
- [ ] PEARL WHITE
- [ ] FEDERAL YELLOW
- [ ] BRICK RED
- [ ] CUSTOM (CONTACT MANUFACTURER)



NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWINGS.
3. FOR CUSTOM SIZING CONTACT MANUFACTURER.
4. CONTRACTORS NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info REFERENCE NUMBER 681-001D.

CAST IN PLACE SYSTEMS
24" x 48" (ADA-C-2448)

NOTE:
1. DETECTABLE WARNING SURFACE SHALL BE BY ARMOR-TILE OR APPROVED EQUAL.

681-001D

REVISION DATE 05/25/2012

PROTECTED BY COPYRIGHT - 11/06/06

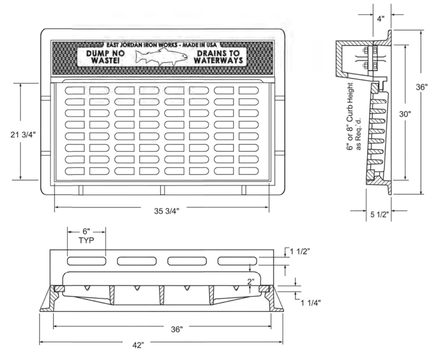
DETECTABLE WARNING SURFACE

www.CADdetails.com

N.T.S.

2633

Heavy Duty Curb Inlet with Bicycle Grate



NOTES:
1. MATERIAL: Gray Cast Iron ASTM A48-83, Class 35B;
2. AASHTO HS25 Highway Loading;
3. Supplied without surface coating;
4. Made in USA.

CAMPBELL FOUNDRY COMPANY
Harrison, N.J. 07029
Phone: 973-483-5480 FAX: 973-483-1843

SCALE:		DRAWN BY: AJA
DATE: 06/04/03		REV.:

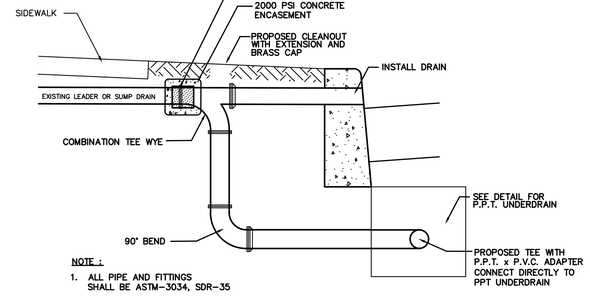
Heavy Duty Curb Inlet with Bicycle Grate

Pattern Number: 2633

3' BICYCLE SAFE GRATE AND CURB PIECE

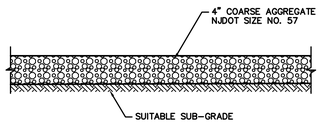
N.T.S.

CAMPBELL PATTERN NUMBER 2633 OR APPROVED EQAL



CONNECTION OF SUMP OR LEADER DRAINS TO PROPOSED P.P.T. UNDERDRAIN

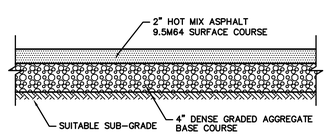
N.T.S.



= AGGREGATE DRIVEWAY =

DRIVEWAY REPLACEMENT DETAIL

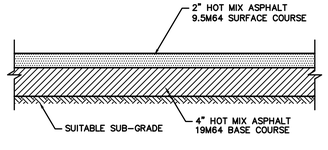
N.T.S.



= HMA DRIVEWAY =
(SINGLE & 2-FAMILY DRIVEWAYS)

DRIVEWAY REPLACEMENT DETAIL

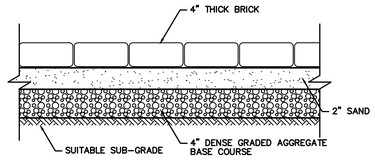
N.T.S.



= HMA DRIVEWAY =
(COMMERCIAL DRIVEWAY & PARKING LOT)

DRIVEWAY REPLACEMENT DETAIL

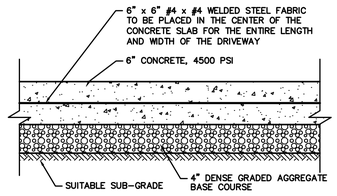
N.T.S.



= BRICK PAVER DRIVEWAY=

DRIVEWAY REPLACEMENT DETAIL

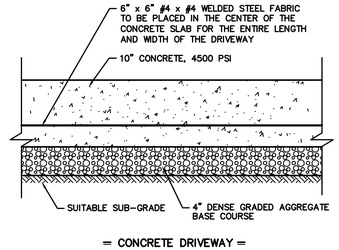
N.T.S.



= CONCRETE DRIVEWAY =

DRIVEWAY REPLACEMENT DETAIL

N.T.S.



= CONCRETE DRIVEWAY =
(COMMERCIAL DRIVEWAY & PARKING LOT)

DRIVEWAY REPLACEMENT DETAIL

N.T.S.

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION DETAILS (3 OF 5)

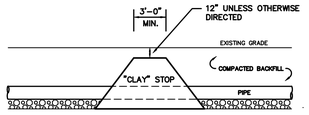
REGISTERS NO.

FILE NO. PWB0A616.01

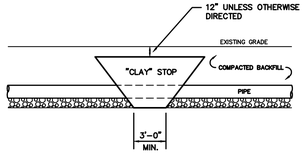
CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
(732) 727 8000 (732) 462 7400
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
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GARY M. OLIVA P.E.
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LIC. 47483
DATE 4/9/25

SCALE	DATE	DRAWING NUMBER
As Shown	April 2025	CD-3
DRAWN BY PD	DESIGNED BY PD	CD-5
CHECKED BY GO	SHEET 55 of 69	

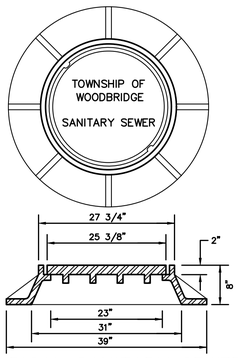


1. FURNISH & INSTALL COMPACTED CLAY MATERIAL FOR FULL WIDTH OF TRENCH AS APPROVED BY THE ENGINEER.
2. CLAY STOP SHAPE MAY BE INVERTED IF BACKFILL IS PLACED FIRST.



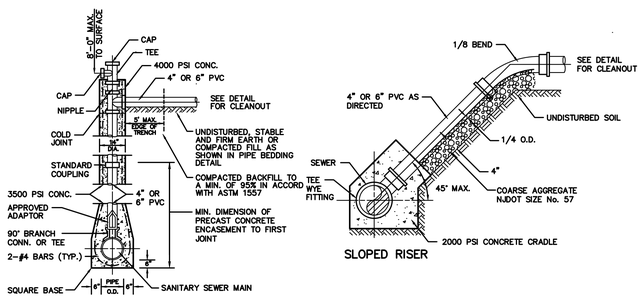
"IMPERVIOUS" TRENCH STOP

N.T.S.



TYPICAL SANITARY SEWER MANHOLE FRAME & COVER

N.T.S.



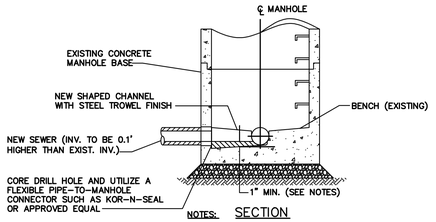
VERTICAL RISER

NOTE : TYPE OF CONNECTION TO BE AS DIRECTED BY THE ENGINEER.

SLOPED RISER

TYPICAL LATERAL CONNECTION WITH RISER

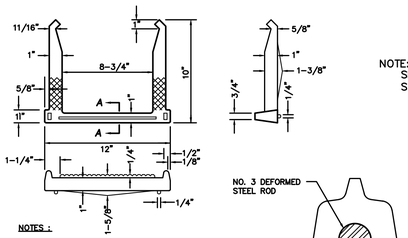
N.T.S.



NOTES: SECTION

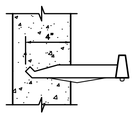
1. CLEAN AND ROUGHEN ALL SURFACES AGAINST WHICH NEW MORTAR IS TO BE PLACED.
2. WHERE REQUIRED, EXISTING CONCRETE SHALL BE REMOVED TO A LINE 1" BEYOND THE NEW CHANNEL LINE AND FINISHED OFF WITH NEW CEMENT MORTAR.

NEW CONNECTION TO EXISTING MANHOLE

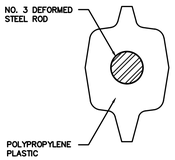


NOTES :

1. LADDER RUNG TO BE AS MANUFACTURED BY M.A. INDUSTRIES OR APPROVED EQUAL.
2. IN PRECAST MANHOLES, STEPS SHALL BE DRIVEN INTO WET CONCRETE WALL DURING MANUFACTURE.



INSTALLATION

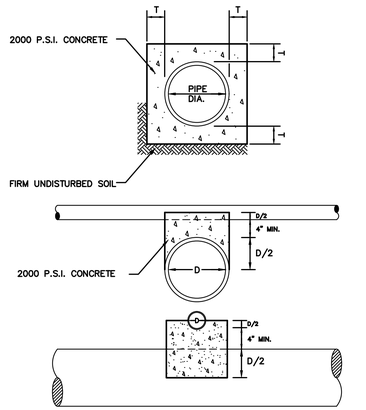


SECTION A – A

POLYPROPYLENE LADDER RUNG DETAIL

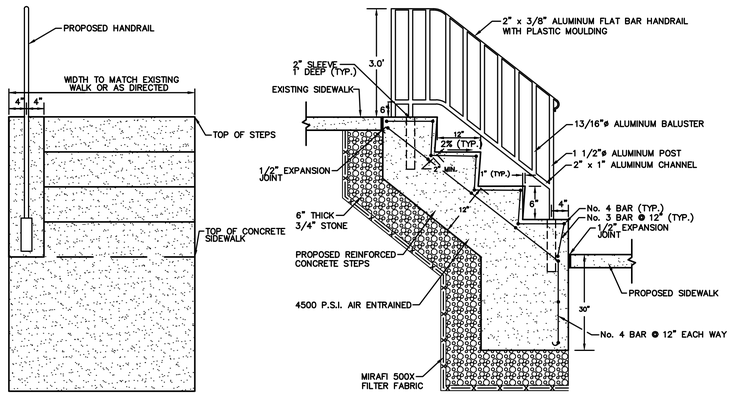
N.T.S.

DIMENSIONS												
DIA.	6"	8"	10"	12"	15"	18"	21"	24"	27"	30"	36"	42"	42"	42"
T	5"	5.5"	5.5"	6"	6"	6"	6"	6"	6"	7"	8"	9"	10"	12"



CONCRETE ENCASEMENT & CRADLE

N.T.S.



FRONT VIEW

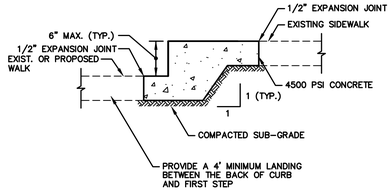
PROFILE

NOTE:
SEE PROFILE FOR REINFORCED STEEL DETAIL

NUMBER OF STEPS AS INDICATED ON THE PLANS OR AS DIRECTED

REINFORCED CONCRETE STEP DETAIL

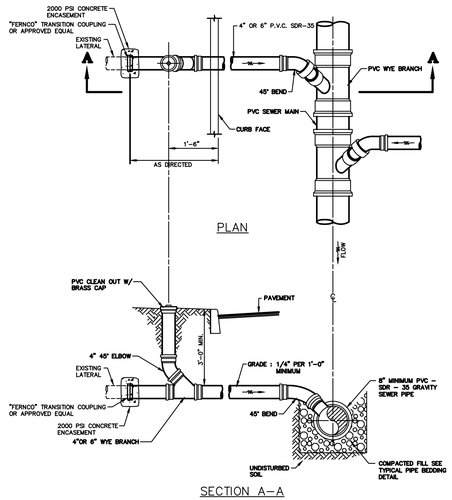
N.T.S.



CONCRETE STEP DETAIL

N.T.S.

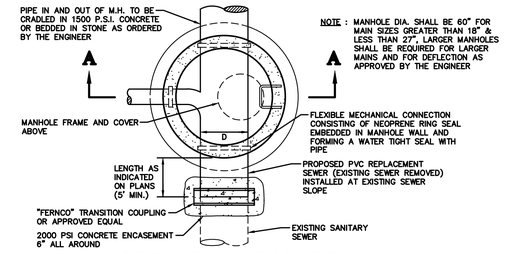
FOR MORE THAN ONE STEP, REFER REINFORCED CONCRETE STEP DETAILS.



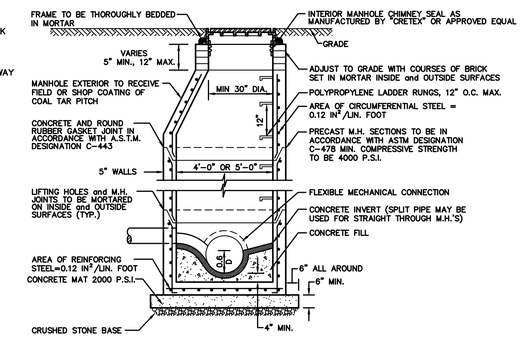
SECTION A-A

PVC SANITARY SEWER LATERAL AND CLEANOUT

N.T.S.



SECTIONAL PLAN AND CONNECTION TO EXISTING SANITARY SEWER



SECTION A–A

TYPICAL PRECAST CONCRETE SANITARY SEWER MANHOLE

N.T.S.

PRECAST MANHOLE CONSTRUCTION NOTES

1. PRECAST MANHOLE SECTIONS TO BE IN ACCORDANCE WITH A.S.T.M. DESIGNATION C-478.
2. RUBBER GASKET SEAL TO BE INSTALLED AT JOINT SECTIONS OF STRUCTURE IN ACCORDANCE WITH A.S.T.M. DESIGNATION C-443, C-990 PER MANUFACTURER'S RECOMMENDATIONS. EACH JOINT SHALL BE EXTERNALLY MORTARED PRIOR TO BACKFILLING.
3. PIPE TO MANHOLE SEAL TO BE IN ACCORDANCE WITH A.S.T.M. DESIGNATION C-923 WITH 10° MAX. OMNI-DIRECTIONAL DEFLECTION AS MANUFACTURED BY A'LOK PRODUCTS, INC. OR APPROVED EQUAL.
4. INTERIOR OF STRUCTURE SHALL RECEIVE TWO COATS OF WHITE EPOXY COATING.

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION DETAILS (4 OF 5)

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 (732) 727 8000
1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194 (732) 462 7400

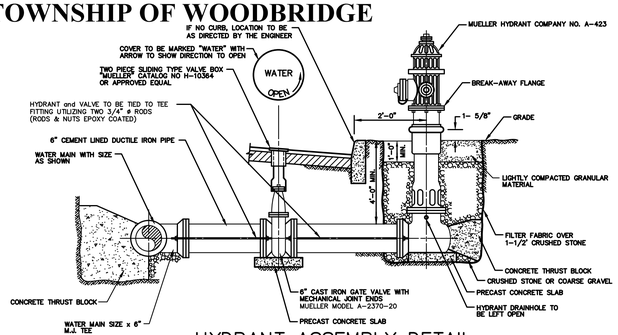
GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	DATE	DRAWING NUMBER
As Shown	April 2025	CD-4
DRAWN BY PD	DESIGNED BY PD	CD-5
CHECKED BY GO	SHEET 56 of 69	

REGISTER NO. PWB0A616.01

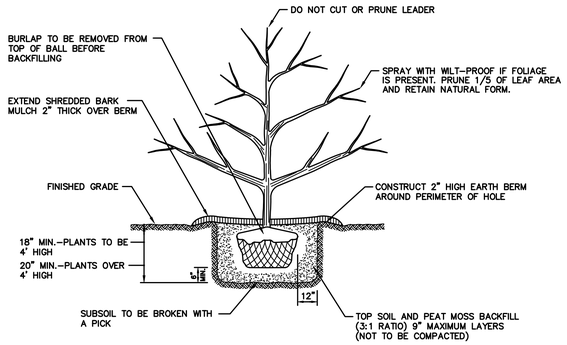
TOWNSHIP OF WOODBRIDGE

COUNTY OF MIDDLESEX



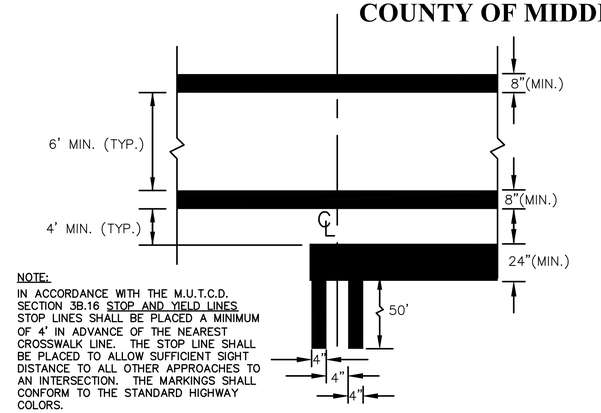
HYDRANT ASSEMBLY DETAIL

N.T.S.



TYPICAL SHRUB PLANTING DETAIL

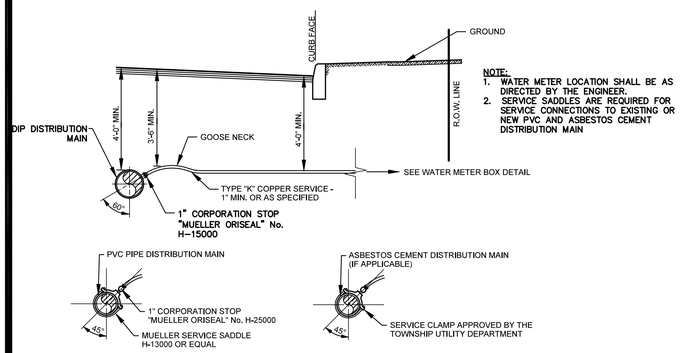
N.T.S.



NOTE:
IN ACCORDANCE WITH THE M.U.T.C.D. SECTION 3B.16 STOP AND YIELD LINES STOP LINES SHALL BE PLACED A MINIMUM OF 4' IN ADVANCE OF THE NEAREST CROSSWALK LINE. THE STOP LINE SHALL BE PLACED TO ALLOW SUFFICIENT SIGHT DISTANCE TO ALL OTHER APPROACHES TO AN INTERSECTION. THE MARKINGS SHALL CONFORM TO THE STANDARD HIGHWAY COLORS.

CROSSWALK STRIPING & STOP BAR DETAIL

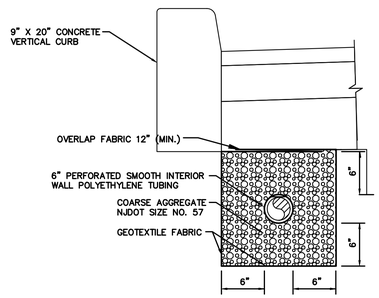
N.T.S.



NOTE:
1. WATER METER LOCATION SHALL BE AS DIRECTED BY THE ENGINEER.
2. SERVICE SADDLES ARE REQUIRED FOR SERVICE CONNECTIONS TO EXISTING OR NEW PVC AND ASBESTOS CEMENT DISTRIBUTION MAIN

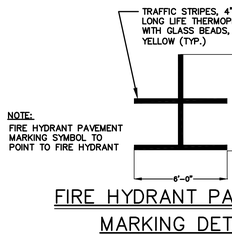
WATER SERVICE CONNECTION DETAIL

N.T.S.



PERFORATED POLYETHYLENE TUBING UNDERDRAIN

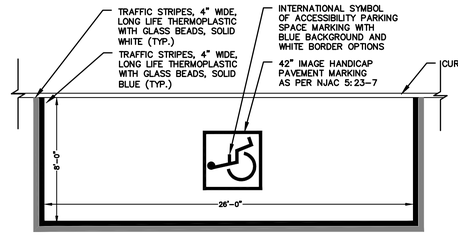
N.T.S.



NOTE:
FIRE HYDRANT PAVEMENT MARKING SYMBOL TO POINT TO FIRE HYDRANT

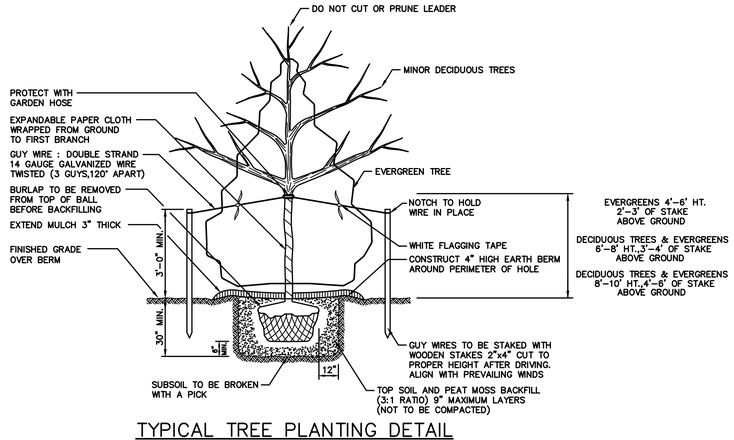
FIRE HYDRANT PAVEMENT MARKING DETAIL

N.T.S.



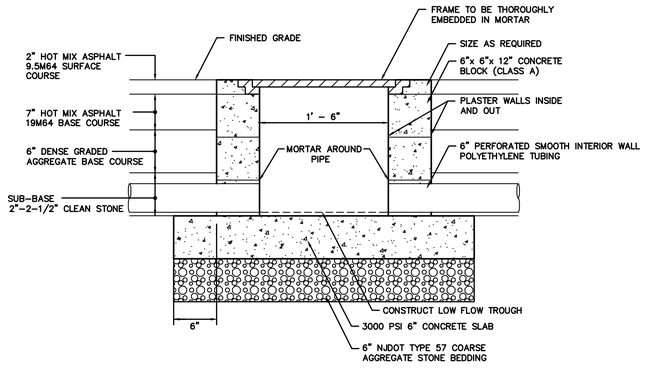
HANDICAPPED PARKING STALL DETAILS

N.T.S.



TYPICAL TREE PLANTING DETAIL

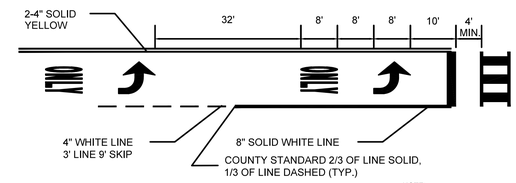
N.T.S.



NOTE :
1. FRAME AND COVER TO BE CAMPBELL FOUNDRY CO. PATTERN NUMBER 2801 OR EQUAL.
2. A PRECAST UNIT MAY BE INSTALLED AT THE OPTION OF THE CONTRACTOR, WALLS SHALL BE 6" THICK, PRICE PER UNIT SHALL REMAIN THE SAME.

UNDERDRAIN HANDHOLE DETAIL

N.T.S.



NOTE:
THIS DETAIL APPLIES TO ALL EXCLUSIVE RIGHT AND LEFT TURN LANES.

LEFT TURN SLOTS AND ARROW ONLY DETAIL

N.T.S.

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION DETAILS (5 OF 5)

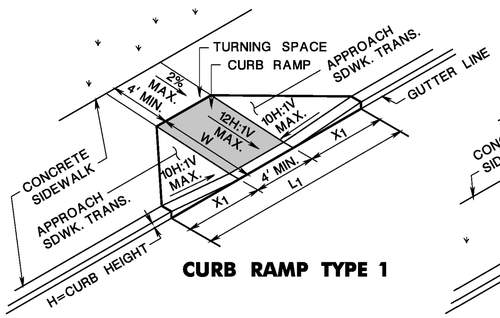
REGISTER NO.

FILE NO. PWB0A616.01

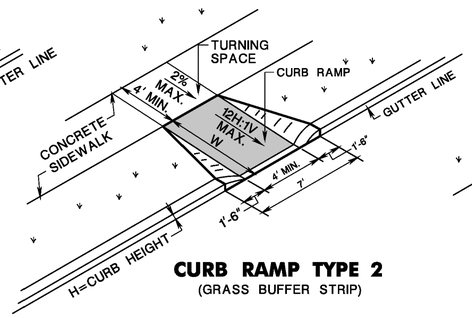
CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359600
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 (732) 727 8000
1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194 (732) 462 7400

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

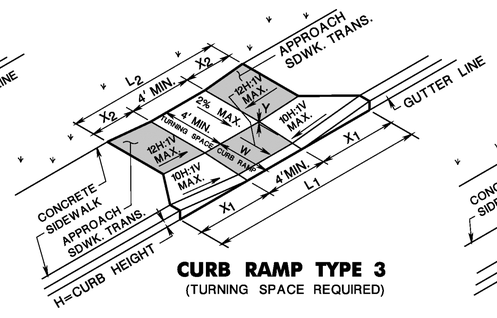
SCALE	DATE	DRAWING NUMBER
As Shown	April 2025	CD-5
DRAWN BY: PD	DESIGNED BY: PD	
CHECKED BY: GO	SHEET: 57 of 69	CD-5



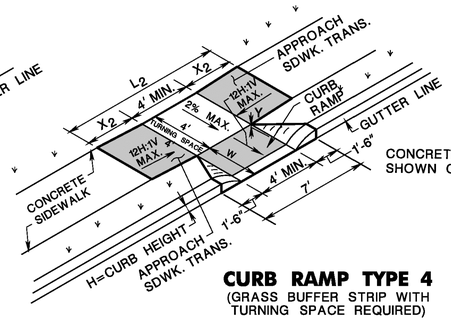
CURB RAMP TYPE 1



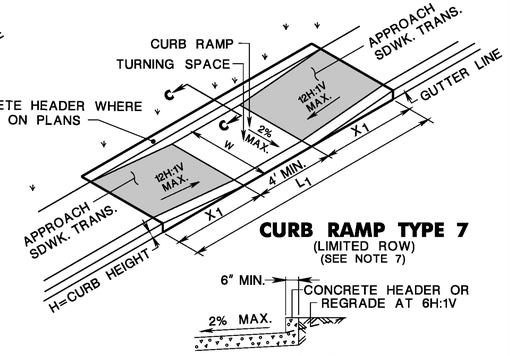
CURB RAMP TYPE 2
(GRASS BUFFER STRIP)



CURB RAMP TYPE 3
(TURNING SPACE REQUIRED)

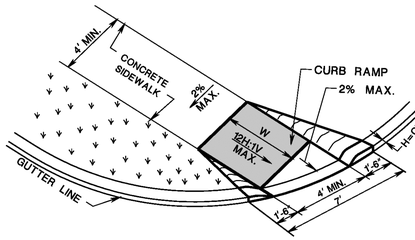


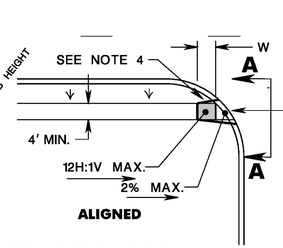
CURB RAMP TYPE 4
(GRASS BUFFER STRIP WITH TURNING SPACE REQUIRED)



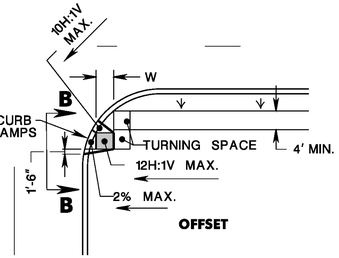
CURB RAMP TYPE 7
(LIMITED ROW)
(SEE NOTE 7)

SECTION C–C



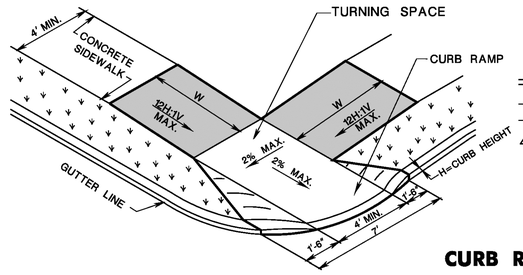


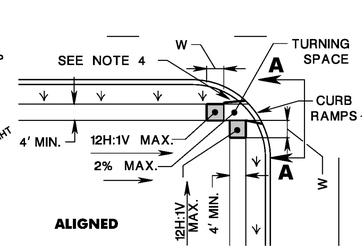
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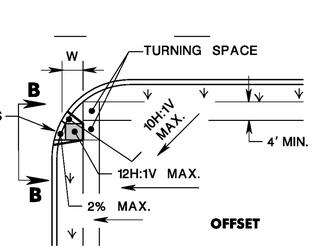
OFFSET

CURB RAMP TYPE 5



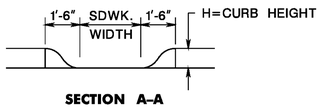


ALIGNED



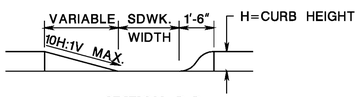
OFFSET

CURB RAMP TYPE 6

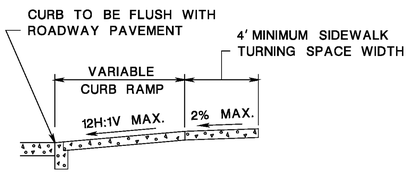


SECTION A–A

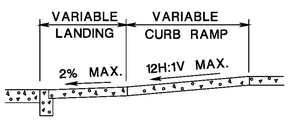
NOTE:
CURB RAMP OPENING TO BE FLUSH WITH ROADWAY PAVEMENT (CURB RAMP TYPES 5 & 6).



SECTION B–B



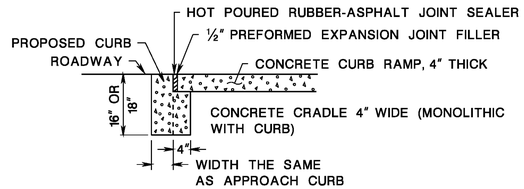
SECTION THROUGH CURB RAMPS 1 THROUGH 4



SECTION THROUGH CURB RAMPS 5 AND 6

NOTES:

1. KEEP TURNING SPACE, APPROACH SIDEWALK TRANSITIONS, AND CURB RAMP CLEAR OF OBSTRUCTIONS THAT PROTRUDE ABOVE THE SIDEWALK.
2. FOR DIMENSIONS SEE CD-606-1B AND CD-606-1C.
3. CURB (DROPPED CURB) GUTTERLINE TO BE FLUSH WITH ROADWAY PAVEMENT A MINIMUM OF 4 FEET AT ALL CURB RAMPS.
4. FOR CURB RAMP TYPES 5 AND 6, IF A GRASS BUFFER DOES NOT EXIST, SLOPE CURB TO EQUAL SLOPE OF ADJACENT CURB RAMP.
5. SIDEWALK AND CURB RAMP WITHIN AREA ENCLOSED BY HEAVY LINES INDICATES THE PAY LIMIT FOR CONCRETE SIDEWALK OF THE APPROPRIATE ADJACENT THICKNESS.
6. CURB AND HEADER WITHIN AREA ENCLOSED BY HEAVY LINES INDICATES THE PAY LIMIT FOR VERTICAL CURB OR SLOPING CURB OF THE APPROPRIATE ADJACENT SIZE AND KIND.
7. WHERE THE DISTANCE FROM THE GUTTER LINE TO THE OUTSIDE EDGE OF SIDEWALK IS 6 FEET OR LESS, USE CURB RAMP TYPE 7, INSTEAD OF CURB RAMP TYPE 1 THROUGH 4.
8. CROSSWALKS AND STOP LINES MAY BE MARKED OR UNMARKED. SEE PLANS.
9. DIMENSIONS SHOWN IN TABLES ARE FOR 3 INCH TO 9 INCH CURB HEIGHTS. WHERE THE CURB HEIGHTS ARE OTHER THAN WHAT IS PROVIDED IN THE TABLES, THE DIMENSIONS OF THE RAMPS WILL HAVE TO BE CALCULATED BASED ON CROSS SLOPES SHOWN.
10. THE 12H:1V MAX SLOPE IS THE RUNNING SLOPE FOR CURB RAMPS, BUT ONLY THE 12H:1V SLOPE MEASURED AS X_2 IS THE RUNNING SLOPE FOR TYPE 3 AND TYPE 4 CURB RAMPS. ENSURE THE RUNNING SLOPE OF CURB RAMPS DOES NOT REQUIRE ITS LENGTH TO EXCEED 15 FEET. THE RUNNING SLOPE MAY EXCEED THE 12H:1V MAX SLOPE SO AS NOT TO EXCEED THE 15 FEET MAXIMUM LENGTH.



CONCRETE SIDEWALK
(PUBLIC SIDEWALK CURB RAMP)
N.T.S.

CD-606-1

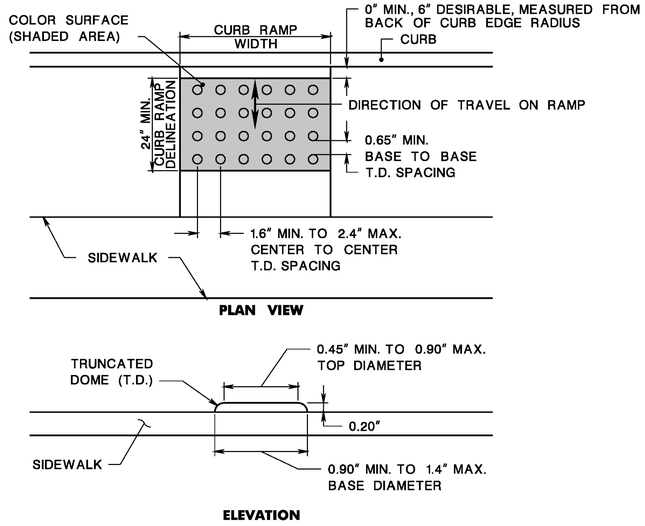
NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

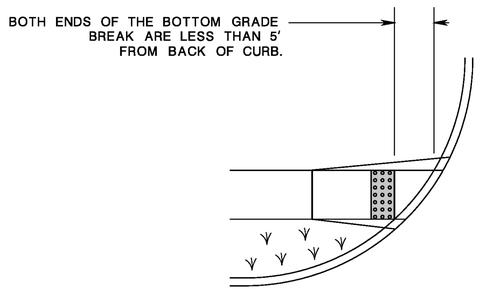
CURB RAMPS

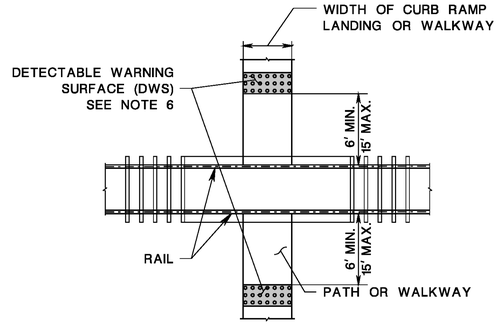
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BDC07A-ORIGINAL SHEET
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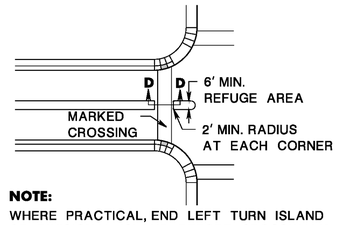


DETECTABLE WARNING SURFACE

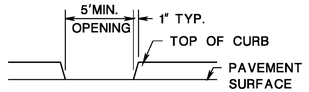




PEDESTRIAN RAILROAD CROSSING



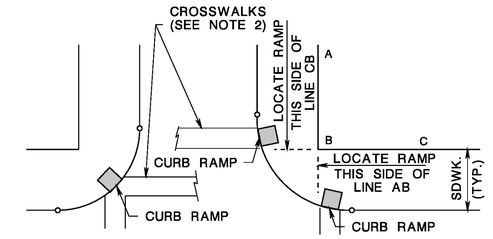
NOTE:
WHERE PRACTICAL, END LEFT TURN ISLAND OR DIVISIONAL ISLAND BEFORE CROSSWALK TO ELIMINATE CUT-THROUGH



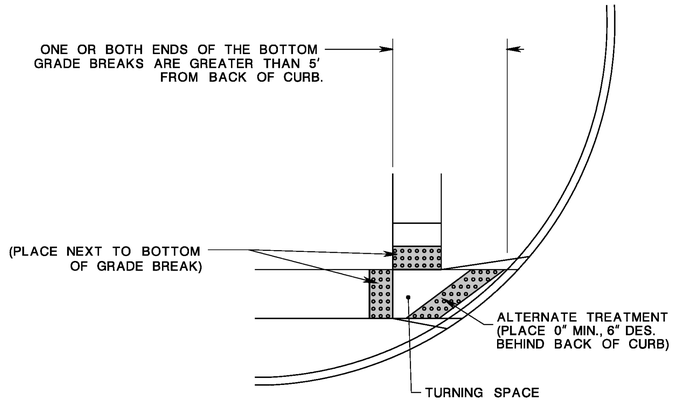
SECTION D–D

NOTE:
5'MIN. WIDE OPENING TO BE FLUSH WITH ROADWAY PAVEMENT

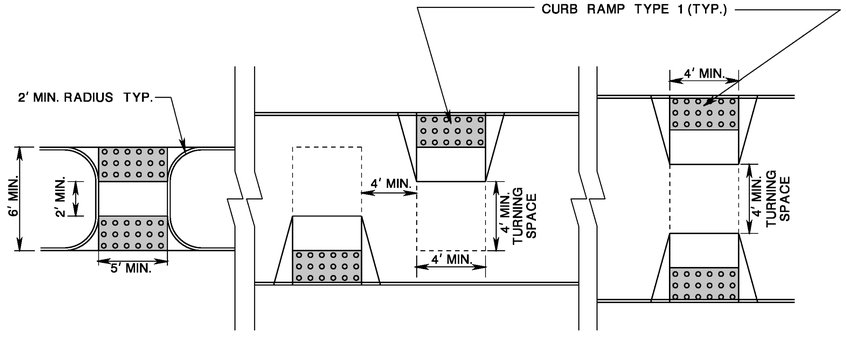
PEDESTRIAN REFUGE ISLAND WALKWAY OPENING AT INTERSECTIONS



LOCATION OF CURB RAMP TYPES 1, 2, 3, 4 & 7 FOR CROSSING PARALLEL AND PERPENDICULAR TO HIGHWAY



PLACEMENT OF DETECTABLE WARNING SURFACE FOR CURB RAMP TYPE 5 AND 6



PEDESTRIAN REFUGE ISLAND

NOTES:
1. KEEP TURNING SPACE, APPROACH SIDEWALK TRANSITIONS, AND CURB RAMP CLEAR OF OBSTRUCTIONS THAT PROTRUDE ABOVE THE SIDEWALK.
2. CROSSWALKS AND STOP LINES MAY BE MARKED OR UNMARKED, SEE PLANS.
3. FOR NARROW ISLAND WIDTH, SEE PEDESTRIAN REFUGE ISLAND WALKWAY OPENING AT INTERSECTIONS DETAIL.
4. FOR MEDIUM AND LARGE ISLAND WIDTH, SEE CURB RAMP TYPE 1 ON CD-606-1.
5. CONSTRUCT CURB RAMP TYPES 1, 2, 3, 4 & 7 PERPENDICULAR TO CURBLINE, AS SHOWN.
6. IF A CURB RAMP IS REQUIRED, THE LOCATION OF THE DETECTABLE WARNING SURFACE MUST BE AT THE BOTTOM OF THE RAMP AND WITHIN THE REQUIRED DISTANCE FROM THE RAIL.

DETECTABLE WARNING SURFACE

N.T.S.

CD-606-1A

NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

CD-606-1.1A

ID=TPZVILL date=13-JAN-2015 11:21 scale=30.267596:1.000000 pen table=\\njdotpw\v8system\njdotwa\projects\njdotenq\plot\tbls\roadway\Details.tbl
BDC9D-05-ORIGINAL SHEET
file=_Quality Management Services\07 Pending BDC and Work Area\BDC13D-0101 Roadway Details\053_CD-606-1AT PublicSidewalk.dgn

CURB RAMP TYPE 1

0.0 % GUTTER LINE PROFILE

H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L_1 FEET
3	3	2.50	2.50	9.00
4	4	3.33	3.33	10.67
5	5	4.17	4.17	12.33
6	6	5.00	5.00	14.00
7	7	5.83	5.83	15.67
8	8	6.67	6.67	17.33
9	9	7.50	7.50	19.00

1.0 % GUTTER LINE PROFILE

H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L_1 FEET
3	3	2.78	2.27	9.05
4	4	3.70	3.03	10.73
5	5	4.63	3.79	12.42
6	6	5.56	4.55	14.10
7	7	6.48	5.30	15.78
8	8	7.41	6.06	17.47
9	9	8.33	6.82	19.15

2.0 % GUTTER LINE PROFILE

H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L_1 FEET
3	3	3.13	2.08	9.21
4	4	4.17	2.78	10.94
5	5	5.21	3.47	12.68
6	6	6.25	4.17	14.42
7	7	7.29	4.86	16.15
8	8	8.33	5.56	17.89
9	9	9.38	6.25	19.63

3.0 % GUTTER LINE PROFILE

H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L_1 FEET
3	3	3.57	1.92	9.49
4	4	4.76	2.56	11.33
5	5	5.95	3.21	13.16
6	6	7.14	3.85	14.99
7	7	8.33	4.49	16.82
8	8	9.52	5.13	18.65
9	9	10.71	5.77	20.48

4.0 % GUTTER LINE PROFILE

H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L_1 FEET
3	3	4.17	1.79	9.95
4	4	5.56	2.38	11.94
5	5	6.94	2.98	13.92
6	6	8.33	3.57	15.90
7	7	9.72	4.17	17.89
8	8	11.11	4.76	19.87
9	9	12.50	5.36	21.86

5.0 % GUTTER LINE PROFILE

H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L_1 FEET
3	3	5.00	1.67	10.67
4	4	6.67	2.22	12.89
5	5	8.33	2.78	15.11
6	6	10.00	3.33	17.33
7	7	11.67	3.89	19.56
8	8	13.33	4.44	21.78
9	9	15.00	5.00	24.00

6.0 % GUTTER LINE PROFILE

H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L_1 FEET
3	3	6.25	1.56	11.81
4	4	8.33	2.08	14.42
5	5	10.42	2.60	17.02
6	6	12.50	3.13	19.63
7	7	14.58	3.65	22.23
8	8	15.00	4.17	23.17
9	9	15.00	4.69	23.69

7.0 % GUTTER LINE PROFILE

H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L_1 FEET
3	3	8.33	1.47	13.80
4	4	11.11	1.96	17.07
5	5	13.89	2.45	20.34
6	6	15.00	2.94	21.94
7	7	15.00	3.43	22.43
8	8	15.00	3.92	22.92
9	9	15.00	4.41	23.41

CURB RAMP TYPE 3

0.0 % GUTTER LINE PROFILE

H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L_1 FEET	Y INCHES	X_{2U} FEET	X_{2L} FEET	L_2 FEET
3		2.50	2.50	9.00		1.10	1.10	6.20
4		3.33	3.33	10.67		2.10	2.10	8.20
5		4.17	4.17	12.33		3.10	3.10	10.20
6	2.5	5.00	5.00	14.00	2.5	4.10	4.10	12.21
7		5.83	5.83	15.67		5.10	5.10	14.21
8		6.67	6.67	17.33		6.10	6.10	16.21
9		7.50	7.50	19.00		7.10	7.10	18.21
3		*	*	*		*	*	*
4		3.33	3.33	10.67		1.72	1.72	7.44
5		4.17	4.17	12.33		2.72	2.72	9.44
6	3.0	5.00	5.00	14.00	3.0	3.72	3.72	11.45
7		5.83	5.83	15.67		4.72	4.72	13.45
8		6.67	6.67	17.33		5.72	5.72	15.45
9		7.50	7.50	19.00		6.72	6.72	17.45
3		*	*	*		*	*	*
4		3.33	3.33	10.67		1.34	1.34	6.68
5		4.17	4.17	12.33		2.34	2.34	8.68
6	3.5	5.00	5.00	14.00	3.5	3.34	3.34	10.69
7		5.83	5.83	15.67		4.34	4.34	12.69
8		6.67	6.67	17.33		5.34	5.34	14.69
9		7.50	7.50	19.00		6.34	6.34	16.69
3		*	*	*		*	*	*
4		*	*	*		*	*	*
5		4.17	4.17	12.33		1.96	1.96	7.92
6	4.0	5.00	5.00	14.00	4.0	2.96	2.96	9.93
7		5.83	5.83	15.67		3.96	3.96	11.93
8		6.67	6.67	17.33		4.96	4.96	13.93
9		7.50	7.50	19.00		5.96	5.96	15.93

1.0 % GUTTER LINE PROFILE

H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L_1 FEET	Y INCHES	X_{2U} FEET	X_{2L} FEET	L_2 FEET
3		2.78	2.27	9.05		1.25	0.98	6.24
4		3.70	3.03	10.73		2.39	1.88	8.27
5		4.63	3.79	12.42		3.53	2.77	10.30
6	2.5	5.56	4.55	14.10	2.5	4.66	3.66	12.33
7		6.48	5.30	15.78		5.80	4.56	14.36
8		7.41	6.06	17.47		6.94	5.45	16.39
9		8.33	6.82	19.15		8.07	6.34	18.42
3		2.78	2.27	9.05		0.82	0.64	5.46
4		3.70	3.03	10.73		1.96	1.54	7.49
5		4.63	3.79	12.42		3.09	2.43	9.52
6	3.0	5.56	4.55	14.10	3.0	4.23	3.32	11.55
7		6.48	5.30	15.78		5.37	4.22	13.58
8		7.41	6.06	17.47		6.50	5.11	15.61
9		8.33	6.82	19.15		7.64	6.00	17.64
3		2.78	2.27	9.05		0.39	0.30	4.69
4		3.70	3.03	10.73		1.53	1.20	6.72
5		4.63	3.79	12.42		2.66	2.09	8.75
6	3.5	5.56	4.55	14.10	3.5	3.80	2.98	10.78
7		6.48	5.30	15.78		4.94	3.88	12.81
8		7.41	6.06	17.47		6.07	4.77	14.84
9		8.33	6.82	19.15		7.21	5.66	16.87
3		*	*	*		*	*	*
4		3.70	3.03	10.73		1.09	0.86	5.95
5		4.63	3.79	12.42		2.23	1.75	7.98
6	4.0	5.56	4.55	14.10	4.0	3.37	2.65	10.01
7		6.48	5.30	15.78		4.50	3.54	12.04
8		7.41	6.06	17.47		5.64	4.43	14.07
9		8.33	6.82	19.15		6.78	5.32	16.10

2.0 % GUTTER LINE PROFILE

H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L_1 FEET	Y INCHES	X_{2U} FEET	X_{2L} FEET	L_2 FEET
3		3.13	2.08	9.21		1.45	0.89	6.34
4		4.17	2.78	10.94		2.77	1.69	8.46
5		5.21	3.47	12.68		4.08	2.50	10.58
6	2.5	6.25	4.17	14.42	2.5	5.40	3.31	12.71
7		7.29	4.86	16.15		6.72	4.12	14.83
8		8.33	5.56	17.89		8.03	4.92	16.95
9		9.38	6.25	19.63		9.35	5.73	19.08
3		3.13	2.08	9.21		0.95	0.58	5.53
4		4.17	2.78	10.94		2.27	1.39	7.65
5		5.21	3.47	12.68		3.58	2.20	9.78
6	3.0	6.25	4.17	14.42	3.0	4.90	3.00	11.90
7		7.29	4.86	16.15		6.22	3.81	14.02
8		8.33	5.56	17.89		7.53	4.62	16.15
9		9.38	6.25	19.63		8.85	5.42	18.27
3		3.13	2.08	9.21		0.45	0.28	4.72
4		4.17	2.78	10.94		1.77	1.08	6.85
5		5.21	3.47	12.68		3.08	1.89	8.97
6	3.5	6.25	4.17	14.42	3.5	4.40	2.70	11.09
7		7.29	4.86	16.15		5.72	3.50	13.22
8		8.33	5.56	17.89		7.03	4.31	15.34
9		9.38	6.25	19.63		8.35	5.12	17.46
3		*	*	*		*	*	*
4		4.17	2.78	10.94		1.27	0.78	6.04
5		5.21	3.47	12.68		2.58	1.58	8.16
6	4.0	6.25	4.17	14.42	4.0	3.90	2.39	10.29
7		7.29	4.86	16.15		5.22	3.20	12.41
8		8.33	5.56	17.89		6.53	4.00	14.53
9		9.38	6.25	19.63		7.85	4.81	16.66

3.0 % GUTTER LINE PROFILE

H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L_1 FEET	Y INCHES	X_{2U} FEET	X_{2L} FEET	L_2 FEET
3		3.57	1.92	9.49		1.72	0.81	6.53
4		4.76	2.56	11.33		3.28	1.55	8.83
5		5.95	3.21	13.16		4.85	2.28	11.13
6	2.5	7.14	3.85	14.99	2.5	6.41	3.02	13.43
7		8.33	4.49	16.82		7.98	3.75	15.73
8		9.52	5.13	18.65		9.54	4.49	18.03
9		10.71	5.77	20.48		11.10	5.22	20.33
3		3.57	1.92	9.49		1.13	0.53	5.66
4		4.76	2.56	11.33		2.69	1.27	7.96
5		5.95	3.21	13.16		4.25	2.00	10.26
6	3.0	7.14	3.85	14.99	3.0	5.82	2.74	12.55
7		8.33	4.49	16.82		7.38	3.47	14.85
8		9.52	5.13	18.65		8.94	4.21	17.15
9		10.71	5.77	20.48		10.51	4.94	19.45
3		3.57	1.92	9.49		0.53	0.25	4.78
4		4.76	2.56	11.33		2.10	0.99	7.08
5		5.95	3.21	13.16		3.66	1.72	9.38
6	3.5	7.14	3.85	14.99	3.5	5.22	2.46	11.68
7		8.33	4.49	16.82		6.79	3.19	13.98
8		9.52	5.13	18.65		8.35	3.93	16.28
9		10.71	5.77	20.48		9.91	4.66	18.58
3		*	*	*		*	*	*
4		4.76	2.56	11.33		1.50	0.71	6.21
5		5.95	3.21	13.16		3.07	1.44	8.51
6	4.0	7.14	3.85	14.99	4.0	4.63	2.18	10.81
7		8.33	4.49	16.82		6.19	2.91	13.11
8		9.52	5.13	18.65		7.76	3.65	15.41
9		10.71	5.77	20.48		9.32	4.38	17.71

4.0 % GUTTER LINE PROFILE

H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L_1 FEET	Y INCHES	X_{2U} FEET	X_{2L} FEET	L_2 FEET
3		4.17	1.79	9.95		2.12	0.74	6.86
4		5.56	2.38	11.94		4.04	1.42	9.46
5		6.94	2.98	13.92		5.97	2.10	12.06
6	2.5	8.33	3.57	15.90	2.5	7.89	2.77	14.66
7		9.72	4.17	17.89		9.82	3.45	17.26
8		11.11	4.76	19.87		11.74	4.12	19.87
9		12.50	5.36	21.86		13.67	4.80	22.47
3		4.17	1.79	9.95		1.39	0.49	5.88
4		5.56	2.38	11.94		3.31	1.16	8.48
5		6.94	2.98	13.92		5.24	1.84	11.08
6	3.0	8.33	3.57	15.90	3.0	7.16	2.52	13.68
7		9.72	4.17	17.89		9.09	3.19	16.28
8		11.11	4.76	19.87		11.01	3.87	18.88
9		12.50	5.36	21.86		12.94	4.54	21.48
3		4.17	1.79	9.95		0.66	0.23	4.89
4		5.56	2.38	11.94		2.58	0.91	7.49
5		6.94	2.98	13.92		4.51	1.58	10.09
6	3.5	8.33	3.57	15.90	3.5	6.43	2.26	12.69
7		9.72	4.17	17.89		8.36	2.93	15.29
8		11.11	4.76	19.87		10.28	3.61	17.89
9		12.50	5.36	21.86		12.20	4.29	20.49
3		*	*	*		*	*	*
4		5.56	2.38	11.94		1.85	0.65	6.50
5		6.94	2.98	13.92		3.78	1.33	9.10
6	4.0	8.33	3.57	15.90	4.0	5.70	2.00	11.70
7		9.72	4.17	17.89		7.62	2.68	14.30
8		11.11	4.76	19.87		9.55	3.35	16.90
9		12.50	5.36	21.86		11.47	4.03	19.50

5.0 % GUTTER LINE PROFILE

H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L_1 FEET	Y INCHES	X_{2U} FEET	X_{2L} FEET	L_2 FEET
3		5.00	1.67	10.67		2.76	0.69	7.44
4		6.67	2.22	12.89		5.26	1.31	10.57
5		8.33	2.78	15.11		7.76	1.94	13.70
6	2.5	10.00	3.33	17.33	2.5	10.26	2.56	16.83
7		11.67	3.89	19.56		12.77	3.19	19.95
8		13.33	4.44	21.78		15.00	3.81	22.81
9		15.00	5.00	24.00		15.00	4.44	23.44
3		5.00	1.67	10.67		1.80	0.45	6.26
4		6.67	2.22	12.89		4.31	1.08	9.38
5		8.33	2.78	15.11		6.81	1.70	12.51
6	3.0	10.00	3.33	17.33	3.0	9.31	2.33	15.64
7		11.67	3.89	19.56		11.81	2.95	18.77
8		13.33	4.44	21.78		14.32	3.58	21.89
9		15.00	5.00	24.00		15.00	4.20	23.20
3		5.00	1.67	10.67		0.85	0.21	5.07
4		6.67	2.22	12.89		3.36	0.84	8.20
5		8.33	2.78	15.11		5.86	1.46	11.32
6	3.5	10.00	3.33	17.33	3.5	8.36	2.09	14.45
7		11.67	3.89	19.56		10.86	2.71	17.58
8		13.33	4.44	21.78		13.37	3.34	20.71
9		15.00	5.00	24.00		15.00	3.96	22.96
3		*	*	*		*	*	*
4		6.67	2.22	12.89		2.41	0.60	7.01
5		8.33	2.78	15.11		4.91	1.23	10.14
6	4.0	10.00	3.33	17.33	4.0	7.41	1.85	13.26
7		11.67	3.89	19.56		9.91	2.48	16.39
8		13.33	4.44	21.78		12.42	3.10	19.52
9		15.00	5.00	24.00		14.92	3.73	22.65

6.0 % GUTTER LINE PROFILE

H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L_1 FEET	Y INCHES	X_{2U} FEET	X_{2L} FEET	L_2 FEET
3		6.25	1.56	11.81		3.94	0.64	8.58
4		8.33	2.08	14.42		7.51	1.22	12.74
5		10.42	2.60	17.02		11.09	1.80	16.89
6	2.5	12.50	3.13	19.63	2.5	14.67	2.38	21.05
7		14.58	3.65	22.23		15.00	2.97	21.97
8		15.00	4.17	23.17		15.00	3.55	22.55
9		15.00	4.69	23.69		15.00	4.13	23.13
3		6.25	1.56	11.81		2.58	0.42	7.00
4		8.33	2.08	14.42		6.16	1.00	11.16
5		10.42	2.60	17.02		9.73	1.58	15.31
6	3.0	12.50	3.13	19.63	3.0	13.31	2.16	19.47
7		14.58	3.65	22.23		15.00	2.75	21.75
8		15.00	4.17	23.17		15.00	3.33	22.33
9		15.00	4.69	23.69		15.00	3.91	22.91
3		6.25	1.56	11.81		1.22	0.20	5.42
4		8.33	2.08	14.42		4.80	0.78	9.58
5		10.42	2.60	17.02		8.37	1.36	13.74
6	3.5	12.50	3.13	19.63	3.5	11.95	1.94	17.89
7		14.58	3.65	22.23		15.00	2.52	21.52
8		15.00	4.17	23.17		15.00	3.11	22.11
9		15.00	4.69	23.69		15.00	3.69	22.69
3		*	*	*		*	*	*
4		8.33	2.08	14.42		3.44	0.56	8.00
5		10.42	2.60	17.02		7.02	1.14	12.16
6	4.0	12.50	3.13	19.63	4.0	10.59	1.72	16.31
7		14.58	3.65	22.23		14.17	2.30	20.47
8		15.00	4.17	23.17		15.00	2.89	21.89
9		15.00	4.69	23.69		15.00	3.47	22.47

7.0 % GUTTER LINE PROFILE

H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L_1 FEET	Y INCHES	X_{2U} FEET	X_{2L} FEET	L_2 FEET
3		8.33	1.47	13.80		6.90	0.60	11.50
4		11.11	1.96	17.07		13.16	1.14	18.31
5		13.89	2.45	20.34		15.00	1.69	20.69
6	2.5	15.00	2.94	21.94	2.5	15.00	2.23	21.23
7		15.00	3.43	22.43		15.00	2.77	21.77
8		15.00	3.92	22.92		15.00	3.32	22.32
9		15.00	4.41	23.41		15.00	3.86	22.86
3		8.33	1.47	13.80		4.52	0.39	8.91
4		11.11	1.96	17.07		10.78	0.94	15.72
5		13.89	2.45	20.34		15.00	1.48	20.48
6	3.0	15.00	2.94	21.94	3.0	15.00	2.02	21.02
7		15.00	3.43	22.43		15.00	2.57	21.57
8		15.00	3.92	22.92		15.00	3.11	22.11
9		15.00	4.41	23.41		15.00	3.65	22.65
3		8.33	1.47	13.80		2.14	0.19	6.32
4		11.11	1.96	17.07		8.40	0.73	13.13
5		13.89	2.45	20.34		14.67	1.27	19.94
6	3.5	15.00	2.94	21.94	3.5	15.00	1.82	20.82
7		15.00	3.43	22.43		15.00	2.36	21.36
8		15.00	3.92	22.92		15.00	2.90	21.90
9		15.00	4.41	23.41		15.00	3.45	22.45
3		*	*	*		*	*	*
4		11.11	1.96	17.07		6.03	0.52	10.55
5		13.89	2.45	20.34		12.29	1.07	17.36
6	4.0	15.00	2.94	21.94	4.0	15.00	1.61	20.61
7		15.00	3.43	22.43		15.00	2.15	21.15
8		15.00	3.92	22.92		15.00	2.70	21.70
9		15.00	4.41	23.41		15.00	3.24	22.24

CURB RAMP TYPE 2

0-8 % GUTTER LINE PROFILE

H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L_1 FEET
3	3	1.50	1.50	7.00
4	4	1.50	1.50	7.00
5	5	1.50	1.50	7.00
6	6	1.50	1.50	7.00
7	7	1.50	1.50	7.00
8	8	1.50	1.50	7.00
9	9	1.50	1.50	7.00

NOTES:

1. FOR CURB RAMP TYPES, SEE CD-606-1.
2. THE ABOVE TABLES ARE BASED ON THE SPECIFIC GUTTER PROFILE REFERENCED. THEY DO NOT TAKE INTO ACCOUNT VARIATIONS IN THE GUTTER PROFILE. THE ABOVE TABLES TO BE USED BY THE DESIGNERS AND CONTRACTORS TO GET APPROXIMATE DIMENSIONS OF THE CURB RAMP AT EACH LOCATION. FINAL DIMENSIONS WILL BE DETERMINED BY ACTUAL MEASUREMENTS IN THE FIELD DURING CONSTRUCTION.
3. THE 12H:1V MAX SLOPE IS THE RUNNING SLOPE FOR CURB RAMPS, BUT ONLY THE 12H:1V SLOPE MEASURED AS X IS THE RUNNING SLOPE FOR TYPE 3 AND TYPE 4 CURB RAMPS. ENSURE THE RUNNING SLOPE OF CURB RAMPS DOES NOT REQUIRE ITS LENGTH TO EXCEED 15 FEET. THE RUNNING SLOPE MAY EXCEED THE 12H:1V MAX SLOPE SO AS NOT TO EXCEED THE 15 FEET MAXIMUM LENGTH. THE TABLES ALREADY APPLY THE 15 FEET RULE FOR THOSE CALCULATED LENGTHS WHICH EXCEED 15 FEET.

LEGEND

U = UPPER SIDE OF GUTTER LINE PROFILE

L = LOWER SIDE OF GUTTER LINE PROFILE

FOR THE OTHER ABBREVIATIONS - REFER TO CD-606-1

* TYPE 3 RAMP IS NOT APPLICABLE, USE TYPE 1

** TYPE 4 RAMP IS NOT APPLICABLE, USE TYPE 2

CONCRETE SIDEWALK

(PUBLIC SIDEWALK CURB RAMP TABLES)

N.T.S.

CD-606-1B

NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

CD-606-1.1B

ID=TP2VILL date=13-JAN-2015 10:39 scale=30.267596:1.000000 pen table=\\ydotprjvw1\vsystem\ydotvw1\projects\ydotengl\plot\tbls\roadway\Details.tbl
BDC12D-05-ORIGINAL SHEET
file=_Quality Management Services07 Pending BDC and Work Area/BDC13D-0101 Roadway Details052A_CD-606-1T PublicSidewalk.dgn

CURB RAMP TYPE 4

0.0 % GUTTER LINE PROFILE					
H INCHES	W FEET	Y INCHES	X_{2U} FEET	X_{2L} FEET	L_2 FEET
3	2.5	2.5	1.10	1.10	6.20
4			2.10	2.10	8.20
5			3.10	3.10	10.20
6			4.10	4.10	12.20
7			5.10	5.10	14.21
8			6.10	6.10	16.21
9			7.10	7.10	18.21
3	3.0	3.0	**	**	**
4			1.72	1.72	7.44
5			2.72	2.72	9.44
6			3.72	3.72	11.45
7			4.72	4.72	13.45
8			5.72	5.72	15.45
9			6.72	6.72	17.45
3	3.5	3.5	**	**	**
4			1.34	1.34	6.68
5			2.34	2.34	8.68
6			3.34	3.34	10.69
7			4.34	4.34	12.69
8			5.34	5.34	14.69
9			6.34	6.34	16.69
3	4.0	4.0	**	**	**
4			**	**	**
5			1.96	1.96	7.92
6			2.96	2.96	9.93
7			3.96	3.96	11.93
8			4.96	4.96	13.93
9			5.96	5.96	15.93

1.0 % GUTTER LINE PROFILE					
H INCHES	W FEET	Y INCHES	X_{2U} FEET	X_{2L} FEET	L_2 FEET
3	2.5	2.5	1.25	0.98	6.24
4			2.39	1.88	8.27
5			3.53	2.77	10.30
6			4.66	3.66	12.33
7			5.80	4.56	14.36
8			6.94	5.45	16.39
9			8.07	6.34	18.42
3	3.0	3.0	0.82	0.64	5.46
4			1.96	1.54	7.49
5			3.09	2.43	9.52
6			4.23	3.32	11.55
7			5.37	4.22	13.58
8			6.50	5.11	15.61
9			7.64	6.00	17.64
3	3.5	3.5	0.39	0.30	4.69
4			1.53	1.20	6.72
5			2.66	2.09	8.75
6			3.80	2.98	10.78
7			4.94	3.88	12.81
8			6.07	4.77	14.84
9			7.21	5.66	16.87
3	4.0	4.0	**	**	**
4			1.09	0.86	5.95
5			2.23	1.75	7.98
6			3.37	2.65	10.01
7			4.50	3.54	12.04
8			5.64	4.43	14.07
9			6.78	5.32	16.10

2.0 % GUTTER LINE PROFILE					
H INCHES	W FEET	Y INCHES	X_{2U} FEET	X_{2L} FEET	L_2 FEET
3	2.5	2.5	1.45	0.89	6.34
4			2.77	1.69	8.46
5			4.08	2.50	10.58
6			5.40	3.31	12.71
7			6.72	4.12	14.83
8			8.03	4.92	16.95
9			9.35	5.73	19.08
3	3.0	3.0	0.95	0.58	5.53
4			2.27	1.39	7.65
5			3.58	2.20	9.78
6			4.90	3.00	11.90
7			6.22	3.81	14.02
8			7.53	4.62	16.15
9			8.85	5.42	18.27
3	3.5	3.5	0.45	0.28	4.72
4			1.77	1.08	6.85
5			3.08	1.89	8.97
6			4.40	2.70	11.09
7			5.72	3.50	13.22
8			7.03	4.31	15.34
9			8.35	5.12	17.46
3	4.0	4.0	**	**	**
4			1.27	0.78	6.04
5			2.58	1.58	8.16
6			3.90	2.39	10.29
7			5.22	3.20	12.41
8			6.53	4.00	14.53
9			7.85	4.81	16.66

3.0 % GUTTER LINE PROFILE					
H INCHES	W FEET	Y INCHES	X_{2U} FEET	X_{2L} FEET	L_2 FEET
3	2.5	2.5	1.72	0.81	6.53
4			3.28	1.55	8.83
5			4.85	2.28	11.13
6			6.41	3.02	13.43
7			7.98	3.75	15.73
8			9.54	4.49	18.03
9			11.10	5.22	20.33
3	3.0	3.0	1.13	0.53	5.66
4			2.69	1.27	7.96
5			4.25	2.00	10.26
6			5.82	2.74	12.55
7			7.38	3.47	14.85
8			8.94	4.21	17.15
9			10.51	4.94	19.45
3	3.5	3.5	0.53	0.25	4.78
4			2.10	0.99	7.08
5			3.66	1.72	9.38
6			5.22	2.46	11.68
7			6.79	3.19	13.98
8			8.35	3.93	16.28
9			9.91	4.66	18.58
3	4.0	4.0	**	**	**
4			1.50	0.71	6.21
5			3.07	1.44	8.51
6			4.63	2.18	10.81
7			6.19	2.91	13.11
8			7.76	3.65	15.41
9			9.32	4.38	17.71

4.0 % GUTTER LINE PROFILE					
H INCHES	W FEET	Y INCHES	X_{2U} FEET	X_{2L} FEET	L_2 FEET
3	2.5	2.5	2.12	0.74	6.86
4			4.04	1.42	9.46
5			5.97	2.10	12.06
6			7.89	2.77	14.66
7			9.82	3.45	17.26
8			11.74	4.12	19.87
9			13.67	4.80	22.47
3	3.0	3.0	1.39	0.49	5.88
4			3.31	1.16	8.48
5			5.24	1.84	11.08
6			7.16	2.52	13.68
7			9.09	3.19	16.28
8			11.01	3.87	18.88
9			12.94	4.54	21.48
3	3.5	3.5	0.66	0.23	4.89
4			2.58	0.91	7.49
5			4.51	1.58	10.09
6			6.43	2.26	12.69
7			8.36	2.93	15.29
8			10.28	3.61	17.89
9			12.20	4.29	20.49
3	4.0	4.0	**	**	**
4			1.85	0.65	6.50
5			3.78	1.33	9.10
6			5.70	2.00	11.70
7			7.62	2.68	14.30
8			9.55	3.35	16.90
9			11.47	4.03	19.50

5.0 % GUTTER LINE PROFILE					
H INCHES	W FEET	Y INCHES	X_{2U} FEET	X_{2L} FEET	L_2 FEET
3	2.5	2.5	2.76	0.69	7.44
4			5.26	1.31	10.57
5			7.76	1.94	13.70
6			10.26	2.56	16.83
7			12.77	3.19	19.95
8			15.00	3.81	22.81
9			15.00	4.44	23.44
3	3.0	3.0	1.80	0.45	6.26
4			4.31	1.08	9.38
5			6.81	1.70	12.51
6			9.31	2.33	15.64
7			11.81	2.95	18.77
8			14.32	3.58	21.89
9			15.00	4.20	23.20
3	3.5	3.5	0.85	0.21	5.07
4			3.36	0.84	8.20
5			5.86	1.46	11.32
6			8.36	2.09	14.45
7			10.86	2.71	17.58
8			13.37	3.34	20.71
9			15.00	3.96	22.96
3	4.0	4.0	**	**	**
4			2.41	0.60	7.01
5			4.91	1.23	10.14
6			7.41	1.85	13.26
7			9.91	2.48	16.39
8			12.42	3.10	19.52
9			14.92	3.73	22.65

6.0 % GUTTER LINE PROFILE					
H INCHES	W FEET	Y INCHES	X_{2U} FEET	X_{2L} FEET	L_2 FEET
3	2.5	2.5	3.94	0.64	8.58
4			7.51	1.22	12.74
5			11.09	1.80	16.89
6			14.67	2.38	21.05
7			15.00	2.97	21.97
8			15.00	3.55	22.55
9			15.00	4.13	23.13
3	3.0	3.0	2.58	0.42	7.00
4			6.16	1.00	11.16
5			9.73	1.58	15.31
6			13.31	2.16	19.47
7			15.00	2.75	21.75
8			15.00	3.33	22.33
9			15.00	3.91	22.91
3	3.5	3.5	1.22	0.20	5.42
4			4.80	0.78	9.58
5			8.37	1.36	13.74
6			11.95	1.94	17.89
7			15.00	2.52	21.52
8			15.00	3.11	22.11
9			15.00	3.69	22.69
3	4.0	4.0	**	**	**
4			3.44	0.56	8.00
5			7.02	1.14	12.16
6			10.59	1.72	16.31
7			14.17	2.30	20.47
8			15.00	2.89	21.89
9			15.00	3.47	22.47

7.0 % GUTTER LINE PROFILE					
H INCHES	W FEET	Y INCHES	X_{2U} FEET	X_{2L} FEET	L_2 FEET
3	2.5	2.5	6.90	0.60	11.50
4			13.16	1.14	18.31
5			15.00	1.69	20.69
6			15.00	2.23	21.23
7			15.00	2.77	21.77
8			15.00	3.32	22.32
9			15.00	3.86	22.86
3	3.0	3.0	4.52	0.39	8.91
4			10.78	0.94	15.72
5			15.00	1.48	20.48
6			15.00	2.02	21.02
7			15.00	2.57	21.57
8			15.00	3.11	22.11
9			15.00	3.65	22.65
3	3.5	3.5	2.14	0.19	6.32
4			8.40	0.73	13.13
5			14.67	1.27	19.94
6			15.00	1.82	20.82
7			15.00	2.36	21.36
8			15.00	2.90	21.90
9			15.00	3.45	22.45
3	4.0	4.0	**	**	**
4			6.03	0.52	10.55
5			12.29	1.07	17.36
6			15.00	1.61	20.61
7			15.00	2.15	21.15
8			15.00	2.70	21.70
9			15.00	3.24	22.24

NOTES:

1. FOR CURB RAMP TYPES, SEE CD-606-1.
2. THE ABOVE TABLES ARE BASED ON THE SPECIFIC GUTTER PROFILE REFERENCED. THEY DO NOT TAKE INTO ACCOUNT VARIATIONS IN THE GUTTER PROFILE. THE ABOVE TABLES TO BE USED BY THE DESIGNERS AND CONTRACTORS TO GET APPROXIMATE DIMENSIONS OF THE CURB RAMP AT EACH LOCATION. FINAL DIMENSIONS WILL BE DETERMINED BY ACTUAL MEASUREMENTS IN THE FIELD DURING CONSTRUCTION.
3. THE 12H:1V MAX SLOPE IS THE RUNNING SLOPE FOR CURB RAMPS, BUT ONLY THE 12H:1V SLOPE MEASURED AS X IS THE RUNNING SLOPE FOR TYPE 3 AND TYPE 4 CURB RAMPS. ENSURE THE RUNNING SLOPE OF CURB RAMPS DOES NOT REQUIRE ITS LENGTH TO EXCEED 15 FEET. THE RUNNING SLOPE MAY EXCEED THE 12H:1V MAX SLOPE SO AS NOT TO EXCEED THE 15 FEET MAXIMUM LENGTH. THE TABLES ALREADY APPLY THE 15 FEET RULE FOR THOSE CALCULATED LENGTHS WHICH EXCEED 15 FEET.

LEGEND

U = UPPER SIDE OF GUTTER LINE PROFILE

L = LOWER SIDE OF GUTTER LINE PROFILE

FOR THE OTHER ABBREVIATIONS - REFER TO CD-606-1

* TYPE 3 RAMP IS NOT APPLICABLE, USE TYPE 1

** TYPE 4 RAMP IS NOT APPLICABLE, USE TYPE 2

CD-606-1.1C

CURB RAMP TYPE 7

0.0 % GUTTER LINE PROFILE				
H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L_1 FEET
3	3	3.00	3.00	10.00
4	4	4.00	4.00	12.00
5	5	5.00	5.00	14.00
6	6	6.00	6.00	16.00
7	7	7.00	7.00	18.01
8	8	8.00	8.00	20.01
9	9	9.00	9.00	22.01

1.0 % GUTTER LINE PROFILE				
H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L_1 FEET
3	3	3.41	2.68	10.09
4	4	4.55	3.57	12.12
5	5	5.68	4.47	14.15
6	6	6.82	5.36	16.18
7	7	7.96	6.25	18.21
8	8	9.10	7.15	20.24
9	9	10.23	8.04	22.27

2.0 % GUTTER LINE PROFILE				
H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L_1 FEET
3	3	3.95	2.42	10.37
4	4	5.27	3.23	12.49
5	5	6.58	4.03	14.62
6	6	7.90	4.84	16.74
7	7	9.22	5.65	18.86
8	8	10.53	6.45	20.99
9	9	11.85	7.26	23.11

3.0 % GUTTER LINE PROFILE				
H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L_1 FEET
3	3	4.69	2.21	10.90
4	4	6.25	2.94	13.20
5	5	7.82	3.68	15.49
6	6	9.38	4.41	17.79
7	7	10.94	5.15	20.09
8	8	12.51	5.88	22.39
9	9	14.07	6.62	24.69

4.0 % GUTTER LINE PROFILE				
H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L1 FEET
3	3	5.77	2.03	11.80
4	4	7.70	2.70	14.40
5	5	9.62	3.38	17.00
6	6	11.55	4.06	19.60
7	7	13.47	4.73	22.20
8	8	15.40	5.41	24.80
9	9	17.32	6.08	27.40

5.0 % GUTTER LINE PROFILE				
H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L1 FEET
3	3	7.51	1.88	13.38
4	4	10.01	2.50	16.51
5	5	12.51	3.13	19.64
6	6	15.00	3.75	22.75
7	7	15.00	4.38	23.38
8	8	15.00	5.00	24.00
9	9	15.00	5.63	24.63

6.0 % GUTTER LINE PROFILE				
H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L1 FEET
3	3	10.73	1.74	16.47
4	4	14.31	2.33	20.63
5	5	15.00	2.91	21.91
6	6	15.00	3.49	22.49
7	7	15.00	4.07	23.07
8	8	15.00	4.65	23.65
9	9	15.00	5.23	24.23

7.0 % GUTTER LINE PROFILE				
H INCHES	W FEET	X_{1U} FEET	X_{1L} FEET	L1 FEET
3	3	15.00	1.63	20.63
4	4	15.00	2.17	21.17
5	5	15.00	2.72	21.72
6	6	15.00	3.26	22.26
7	7	15.00	3.81	22.81
8	8	15.00	4.35	23.35
9	9	15.00	4.89	23.89

CONCRETE SIDEWALK

(PUBLIC SIDEWALK CURB RAMP TABLES)

N.T.S.

CD-606-1C

NEW JERSEY DEPARTMENT OF TRANSPORTATION

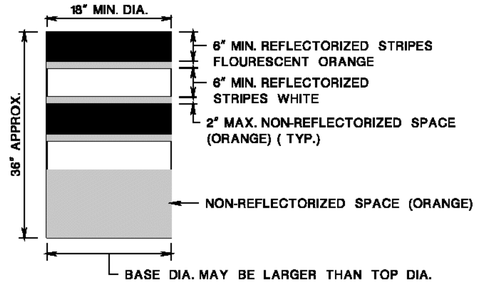
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ENSURE DRUMS ARE MADE OF ORANGE PLASTIC WITH A MINIMUM OF FOUR ALTERNATE FLUORESCENT ORANGE AND WHITE RETROREFLECTIVE STRIPES. IF THERE ARE NON-REFLECTORIZED SPACES BETWEEN THE STRIPES, THEY ARE TO BE NO MORE THAN 2" WIDE. ENSURE RETROREFLECTIVE SHEETING FOR STRIPES CONFORMS WITH ASTM D4956 TYPE VII OR VIII WITH S2 REQUIREMENTS.

ENSURE THE TOP OF THE DRUM IS NOT OPEN. CONSTRUCT DRUMS TO INHIBIT ROLLING IF KNOCKED OVER.

ENSURE THE REFLECTORIZED AREA OF DRUMS IS ROUND EXCEPT OTHER SHAPES, WHICH PROVIDE THE SAME VISIBILITY AS AN 18 INCH DIAMETER ROUND DRUM REGARDLESS OF ORIENTATION, MAY BE USED.



WHEN BALLAST IS REQUIRED BY THE RE, USE SAND. THE MAXIMUM WEIGHT OF THE BALLAST IS 50 LBS. AND IS TO BE LOCATED APPROXIMATELY AT GROUND LEVEL. ALTERNATE TYPES OF BALLAST MUST BE APPROVED BY THE RE.

DRUMS

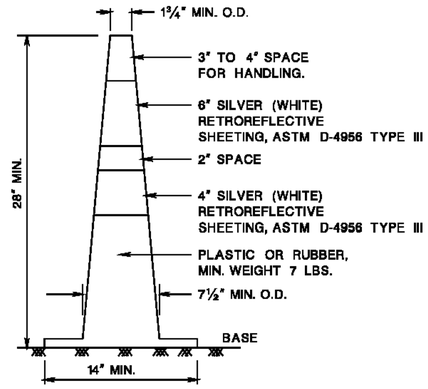
CD-159-1.1

NOTES:

TRAFFIC CONES MUST BE PREDOMINATELY ORANGE IN COLOR.

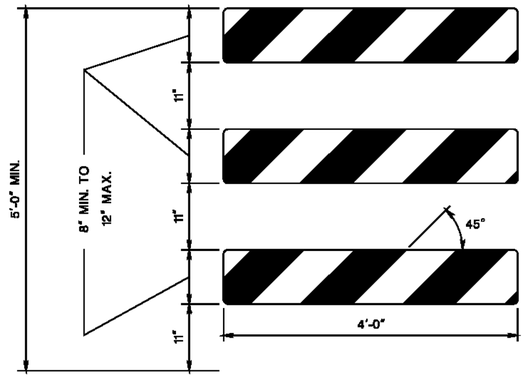
BASES MAY BE OF BREAKAWAY BALLASTED TYPE.

MINOR MANUFACTURER'S VARIATIONS MAY BE ACCEPTABLE UPON APPROVAL OF THE RE.



TRAFFIC CONES

CD-159-1.2



TYPE III BARRICADE – FRONT VIEW

NOTES:

1. ENSURE THE 8" MIN. x 48", TO 12" MAX. x 48" BARRICADE RAILS TO BE ATTACHED ACCORDING TO THE MANUFACTURER'S RECOMMENDATION.
2. ENSURE ORANGE AND SILVER (WHITE) STRIPES TO BE RETROREFLECTIVE SHEETING, ASTM D4956 TYPE III. ALTERNATE ORANGE AND SILVER (WHITE) STRIPES 6" WIDE SLOPING DOWNWARD AT AN ANGLE OF 45 DEGREES IN THE DIRECTION TRAFFIC IS TO PASS.
3. THE FRAMING, RAILS, AND BALLAST FOR BREAKAWAY BARRICADE TO BE NCHRP-350 CRASHED TESTED AND FHWA APPROVED.
4. IF NECESSARY, FABRICATE THE BALLAST AND PLACE ACCORDING TO THE MANUFACTURER'S RECOMMENDATION.

BREAKAWAY BARRICADES

CD-159-1.3

TRAFFIC CONTROL DEVICES

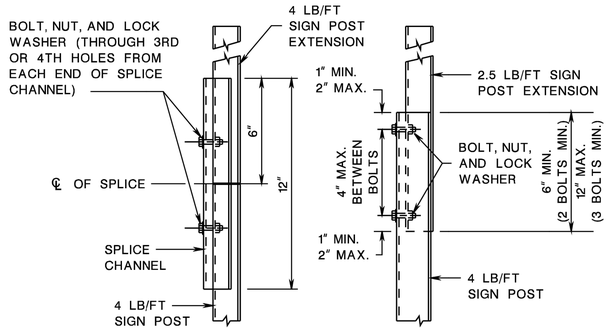
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CD-159-1

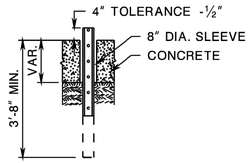
NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

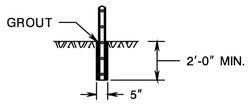
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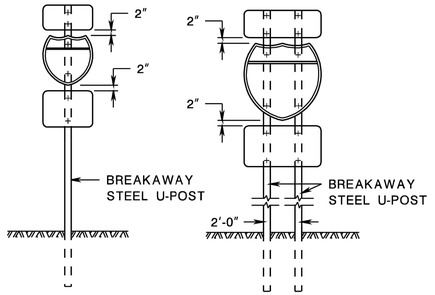
SIGN POST EXTENSION SPLICE DETAILS

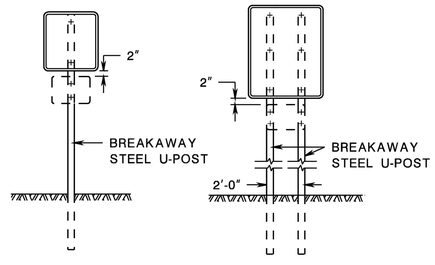


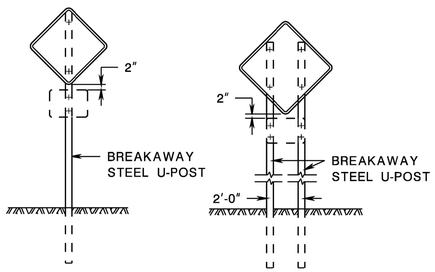
CONCRETE INSTALLATION

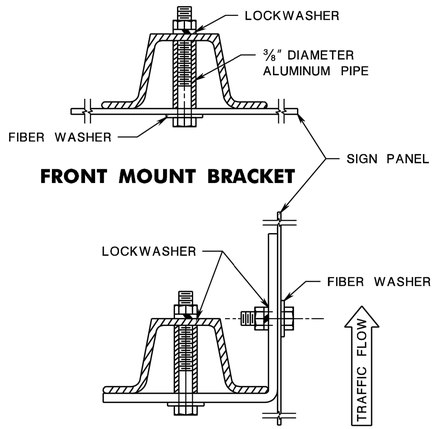


ROCK INSTALLATION



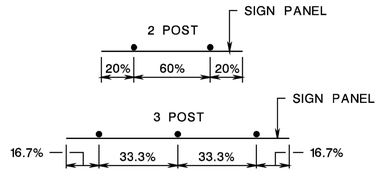




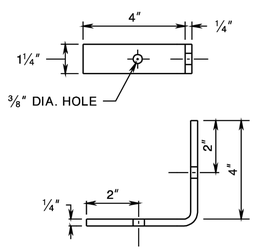


FRONT MOUNT BRACKET

SIDE MOUNT BRACKET



STEEL U-POST SPACING

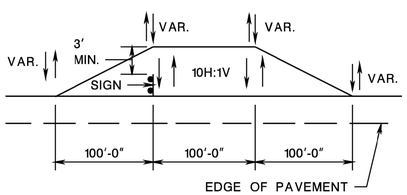


DETAIL OF BRACKET FOR SIDE MOUNTED SIGNS

PANEL SIZE (W x H)	# OF POSTS	POST SIZE (LB/FT)
18" x 18"	1	2.5
18" x 24"	1	2.5
24" x 24"	1	2.5
24" x 30"	1	2.5
24" x 36"	1	2.5
30" x 24"	1	2.5
30" x 30"	1	2.5
36" x 12"	2	2.5
36" x 36" x 36"	2	2.5
30" x 36"	1	4.0

PANEL SIZE (W x H)	# OF POSTS	POST SIZE (LB/FT)
36" x 36"	2	2.5
36" x 48"	2	2.5
45" x 36"	2	2.5
48" x 24"	2	2.5
48" x 36"	2	2.5
48" x 48"	2	4.0
48" x 64" x 64"	2	2.5
60" x 36"	2	4.0
48" x 60"	2	4.0
60" x 30"	2	4.0

U-POST SELECTION TABLE
BREAKAWAY SIGN SUPPORT



STEEL U-POST GRADING DETAIL

GENERAL NOTES:

1. ALL POSTS TO BE OF ADEQUATE LENGTH TO MEET THE REQUIREMENTS FOR ERECTION AS STATED IN THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND AS INDICATED BELOW.
2. ALL SMALL SIGN SUPPORTS TO BE OF THE BREAKAWAY TYPE WITH EXCEPTION OF THOSE INSTALLED BEHIND GUIDE RAIL OR OTHER ROADSIDE BARRIER.
3. ALL STEEL POSTS AND BRACKETS TO BE CUT, BENT, AND HOLES PUNCHED AND DRILLED BEFORE GALVANIZING. GALVINIZING TO BE ACCORDING TO ASTM A123.
4. ALL STEEL U-POST SIGN SUPPORTS MUST BE INSTALLED FACING THE PREDOMINANT TRAFFIC FLOW. USE A MOUNTING BRACKET ON SIDE MOUNTED SIGNS SUCH AS "ONE WAY" SIGNS INSTALLED IN MEDIANS.
5. SIGN PANEL SIZES ARE TO DETERMINE POST TYPE AND NUMBER AS SHOWN ON THIS DETAIL.
6. BOLTS ARE NOT TO PROTRUDE MORE THAN 3/4" BEYOND THE NUT WHEN TIGHT, BUT ARE TO ENGAGE ALL THREADS IN THE NUT.
7. WHEN SIGNS ARE INSTALLED ON SLOPES 10H:1V OR FLATTER, THE MINIMUM VERTICAL CLEARANCE REQUIREMENTS FOR SIGNS ARE:

   FOR SINGLE POST INSTALLATIONS - THE MINIMUM DISTANCE BETWEEN THE EDGE OF THE PAVEMENT AND THE BOTTOM OF ANY PANEL MUST BE 7 FEET, AND THE MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO THE TOP OF ANY SIGN PANEL MUST BE 9 FEET.

   FOR MULTI-POST INSTALLATIONS - THE MINIMUM DISTANCE BETWEEN THE EDGE OF PAVEMENT AND THE BOTTOM OF A MAIN SIGN PANEL MUST BE 7 FEET.

   SECONDARY SIGN PANELS (LAND SERVICE HIGHWAYS) - THE MINIMUM DISTANCE BETWEEN THE EDGE OF PAVEMENT AND THE BOTTOM OF A SECONDARY SIGN PANEL IS 6 FEET.

   SECONDARY SIGN PANELS (INTERSTATE AND FREEWAYS) - THE BOTTOM OF THE MAIN SIGN TO BE A MINIMUM OF 8 FEET AND THE SECONDARY SIGN PANEL A MINIMUM OF 5 FEET ABOVE THE EDGE OF PAVEMENT.

   WHERE GRADING OF 10H:1V OR FLATTER CANNOT BE OBTAINED, OR WHERE CURB OR BERM IS GREATER THAN 4 INCHES, THE MINIMUM VERTICAL CLEARANCE WILL BE MEASURED FROM THE GROUND LINE TO THE BOTTOM OF THE SIGN.
8. THE HORIZONTAL OFFSET FROM EDGE OF PAVEMENT TO EDGE OF SIGN IS DERIVED FROM SECTION 2A.19 OF THE MUTCD AS FOLLOWS:

   FOR URBAN INSTALLATIONS - IN AREAS WHERE LATERAL OFFSETS ARE LIMITED, A MINIMUM LATERAL OFFSET OF 2 FEET IS DESIRABLE. A MINIMUM OFFSET OF 1 FOOT FROM THE FACE OF THE CURB MAY BE USED IN AREAS WHERE THE SIDEWALK WIDTH IS LIMITED OR WHERE EXISTING POLES ARE CLOSE TO THE CURB.

   FOR RURAL INSTALLATIONS - 6 FEET MINIMUM DESIRABLE FROM EDGE OF SHOULDER, BUT 12 FEET MINIMUM DESIRABLE FROM EDGE OF TRAFFIC OR AUXILIARY LANE.

   FOR INTERSTATE AND FREEWAY INSTALLATIONS - 6 FEET MINIMUM DESIRABLE FROM EDGE OF SHOULDER, BUT NOT LESS THAN 12 FEET FROM THE EDGE OF TRAFFIC OR AUXILIARY LANE.

   FOR RAMP INSTALLATIONS - 6 FEET MINIMUM FROM EDGE OF ROAD.

   WHERE BEHIND GUIDE RAIL - 4 FEET MINIMUM FROM BACK OF BEAM GUIDE RAIL ELEMENT TO SIGN POST.
9. DO NOT INSTALL PERMANENT SIGN SUPPORTS ON SLOPES GREATER THAN 10H:1V, EXCEPT WHERE GRADING OF 10H:1V CANNOT BE OBTAINED OR THE SIGN SUPPORTS WILL BE BEHIND A TRAFFIC BARRIER. THE SLOPE IS TO EXTEND A MINIMUM OF 3 FEET BEYOND THE OUTSIDE EDGE OF SIGN (SEE GRADING DETAIL FOR SLOPE TREATMENT).
10. EXTRUDED ALUMINUM SIGN PANELS ARE NOT PERMITTED FOR USE WITH STEEL U-POST SIGN SUPPORTS.
11. DO NOT PLACE STEEL U-POST SIGN SUPPORTS IN FRONT OF GUIDE RAIL AND THE POSTS MUST NOT STRADDLE GUIDE RAIL.
12. TO EXTEND THE HEIGHT OF A SIGN POST, A MAXIMUM OF ONE SPLICE MAY BE MADE AND MUST BE A MINIMUM OF 9 FEET FROM THE GROUNDLINE TO CENTER LINE OF SPLICE.

STEEL U-POST SIGN SUPPORTS

N.T.S.

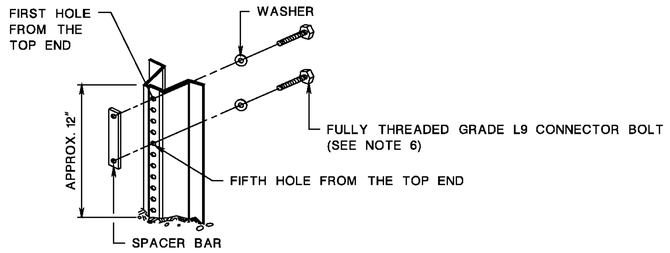
CD-612-4

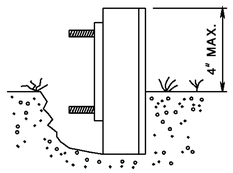
NEW JERSEY DEPARTMENT OF TRANSPORTATION

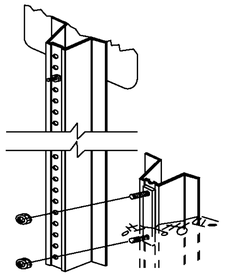
CONSTRUCTION DETAILS

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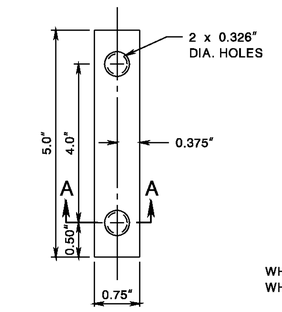


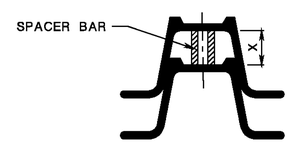


NOTES:

1. DRIVE ANCHOR POST ASSEMBLY TO WITHIN APPROXIMATELY 12 INCHES ABOVE GROUND LEVEL. PLACE BOLT AND WASHER IN FIRST AND FIFTH HOLES FROM THE TOP END, AND SECURE BOLTS ONTO SPACER.
2. DRIVE ANCHOR POST ASSEMBLY TO WITHIN A MAXIMUM OF 4 INCHES ABOVE GROUND LEVEL.
3. DIG OUT AROUND BACK OF ANCHOR POST ASSEMBLY TO ALLOW ROOM FOR TOP POST TO BE ATTACHED.
4. NEST TOP POST ASSEMBLY ONTO PROTRUDING ANCHOR POST ASSEMBLY BOLTS, THROUGH THE FIRST AND FIFTH HOLES FROM THE BOTTOM OF THE TOP POST.
5. PLACE AND TIGHTEN A SELF-LOCKING FLANGE NUT ON EACH BOLT. WHEN INSTALLATION IS COMPLETE, TOP OF GROUND POST NOT TO EXCEED 4 INCHES ABOVE GROUND LEVEL.
6. SIZE OF CONNECTOR BOLT FOR TYPE 1, 5/16" x 1½"
   SIZE OF CONNECTOR BOLT FOR TYPE 2, 5/16" x 2"
7. THE CONNECTOR BOLTS ARE TO BE FULLY THREADED. EACH CONNECTOR BOLT AND NUT TO BE CLEARLY STAMPED WITH MANUFACTURER'S IDENTIFYING MARK.

ANCHOR POST ASSEMBLY SIGN SUPPORTS





WHEN X IS GREATER THAN 0.75", USE TYPE 1 SPACER BAR
WHEN X IS 0.75" OR LESS, USE TYPE 2 SPACER BAR

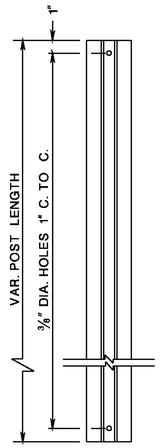
SPACER BAR

CD-612-5.1

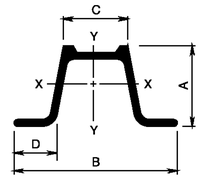
WEIGHT * LBS./FT.	DIMENSIONS (IN)				AREA IN.^{2}	X-X AXIS **		Y-Y AXIS	
	"A"	"B"	"C"	"D"		I(IN.^{4})	S(IN.^{3})	I(IN.^{4})	S(IN.^{3})
2.50	1.516	3.062	1.278	0.669	0.760	0.228	0.313	0.539	0.352
4.00	1.968	3.500	1.336	0.834	1.187	0.611	0.707	1.161	0.664

* ± 5%
** GOVERNING SECTION

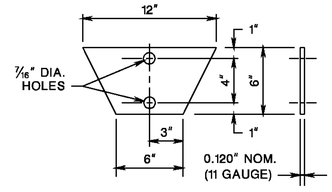
TYPE 1 STEEL U-POST PROPERTIES



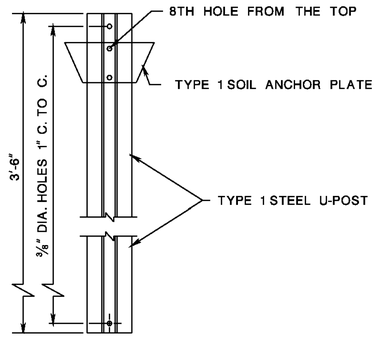
TOP POST U-POST



TYPE 1 STEEL U-POST



TYPE 1 SOIL ANCHOR PLATE



TYPE 1 ANCHOR POST ASSEMBLY

NOTES:

1. ANCHOR POST AND TOP POST TO BE OF EQUAL WEIGHT / FEET.
2. SOIL ANCHOR PLATE TO BE ATTACHED TO ALL ANCHOR POSTS.
3. THE MATERIAL FOR THE SOIL ANCHOR PLATES TO BE CARBON SHEET STEEL.
4. THE STEEL "U" POST TO BE GRADE 60.

CD-612-5.2

STEEL U-POST SIGN SUPPORTS

N.T.S.

CD-612-5

NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

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TOWNSHIP OF WOODBRIDGE **COUNTY OF MIDDLESEX**



GRAPHIC SCALE

50 0 20 50 100 200

(IN FEET)
1 inch = 50 ft.

LEGEND

- BREAKAWAY BARRICADES
- BREAKAWAY BARRICADES WITH SIGN
- CONSTRUCTION SIGNS
- DRUMS
- DIRECTION OF TRAFFIC FLOW
- FLAGGER
- TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHION AND ARROW BOARD SHOWING ARROW PATTERN (LEFT)
- BUFFER ZONE
- WORK AREA

CONSTRUCT

10	UN	Breakaway Barricade
152	SF	Construction signs
7	UN	Drum
1	UN	Traffic control truck with mounted crash cushion
1	UN	Flashing arrow board, 4' x 8'

TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE IN CONFORMANCE WITH MUTCD REGARDING NIGHT TIME OPERATIONS.

THE CONTRACTOR IS SPECIFICALLY DIRECTED TO TCD OF THE NJDOT STANDARD CONSTRUCTION DETAILS.

THE CONTRACTOR MUST MAINTAIN ACCESS TO ALL PROPERTIES AT ALL TIMES DURING CONSTRUCTION.

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

GROVE AVENUE AND NJ–35 TRAFFIC CONTROL PLAN

WARD 1

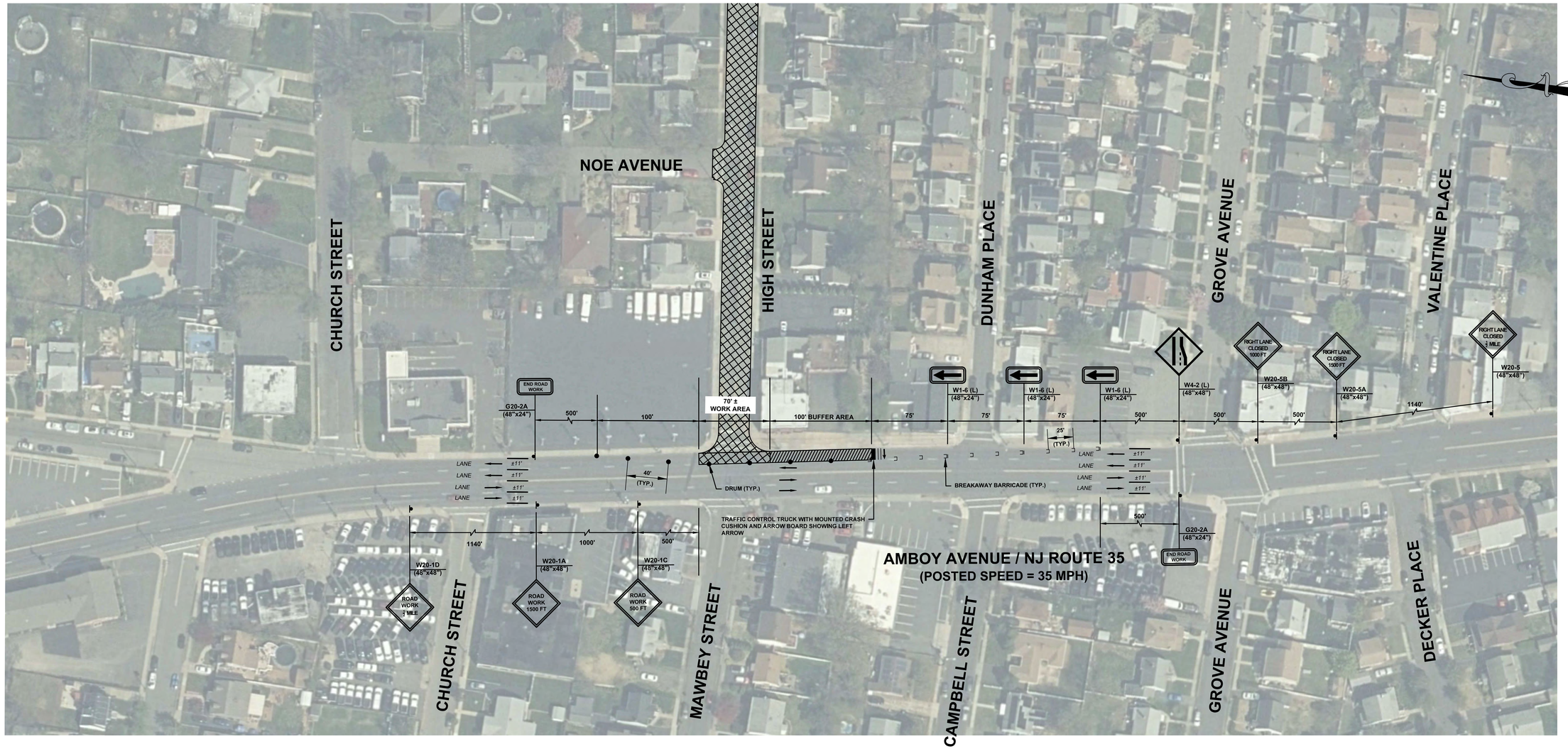
CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
(732) 727 8000 (732) 462 7400
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	As Shown
DATE	April 2025
DRAWN BY	OT
DESIGNED BY	OT/PD
CHECKED BY	GO
SHEET	65of 69

PROJECTION NO. PWBOA616.01

DRAWING NUMBER TCP-1 TCP-4



LEGEND

- BREAKAWAY BARRICADES
- BREAKAWAY BARRICADES WITH SIGN
- CONSTRUCTION SIGNS
- DRUMS
- DIRECTION OF TRAFFIC FLOW
- FLAGGER
- TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHION AND ARROW BOARD SHOWING ARROW PATTERN (LEFT)
- BUFFER ZONE
- WORK AREA

GRAPHIC SCALE

50 0 20 50 100 200

(IN FEET)

1 inch = 50 ft.

CONSTRUCT

8	UN	Breakaway Barricade
152	SF	Construction signs
7	UN	Drum
1	UN	Traffic control truck with mounted crash cushion
1	UN	Flashing arrow board, 4' x 8'

TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE IN CONFORMANCE WITH MUTCD REGARDING NIGHT TIME OPERATIONS.

THE CONTRACTOR IS SPECIFICALLY DIRECTED TO TCD OF THE NJDOT STANDARD CONSTRUCTION DETAILS.

THE CONTRACTOR MUST MAINTAIN ACCESS TO ALL PROPERTIES AT ALL TIMES DURING CONSTRUCTION.

NO.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

HIGH STREET AND NJ–35 TRAFFIC CONTROL PLAN

WARD 1

CVE ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 (732) 727 8000
1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194 (732) 462 7400

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

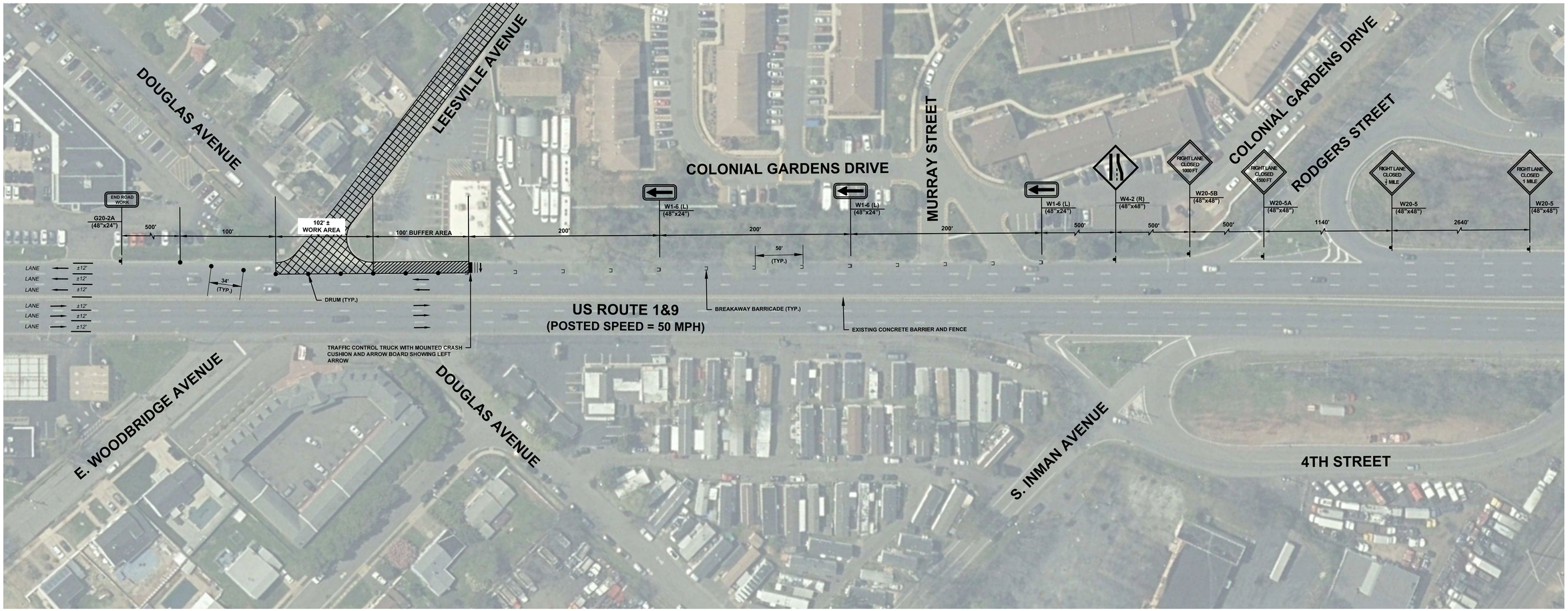
SCALE	As Shown
DATE	April 2025
DRAWN BY	AW
DESIGNED BY	AW/PD
CHECKED BY	GO
SHEET	66 of 69

PROJECT NO. PWB0A616.01

DRAWING NUMBER TCP-2 TCP-4

TOWNSHIP OF WOODBRIDGE

COUNTY OF MIDDLESEX



CONSTRUCT

13	UN	Breakaway Barricade
112	SF	Construction signs
9	UN	Drum
1	UN	Traffic control truck with mounted crash cushion
1	UN	Flashing arrow board, 4' x 8'

GRAPHIC SCALE

50 0 20 50 100 200

(IN FEET)

1 inch = 50 ft.

LEGEND

- BREAKAWAY BARRICADES
- BREAKAWAY BARRICADES WITH SIGN
- CONSTRUCTION SIGNS
- DRUMS
- DIRECTION OF TRAFFIC FLOW
- FLAGGER
- TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHION AND ARROW BOARD SHOWING ARROW PATTERN (LEFT)
- BUFFER ZONE
- WORK AREA

NOTE:
TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE IN CONFORMANCE WITH MUTCD REGARDING NIGHT TIME OPERATIONS.

NOTE:
THE CONTRACTOR IS SPECIFICALLY DIRECTED TO TCD OF THE NJDOT STANDARD CONSTRUCTION DETAILS.

NOTE:
THE CONTRACTOR MUST MAINTAIN ACCESS TO ALL PROPERTIES AT ALL TIMES DURING CONSTRUCTION.

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

LEESVILLE AVENUE AND US ROUTE 1&9 TRAFFIC CONTROL PLAN

WARD 3

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
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1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194 (732) 462 7400

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE: As Shown	DATE: April 2025	DRAWING NUMBER: TCP-3 / TCP-4
DRAWN BY: AW	DESIGNED BY: AW/PD	
CHECKED BY: GO	SHEET: 67 of 69	

RESOLUTION NO.

CME FILE NO. PWB0A616.01



LEGEND

- BREAKAWAY BARRICADES
- BREAKAWAY BARRICADES WITH SIGN
- CONSTRUCTION SIGNS
- DRUMS
- DIRECTION OF TRAFFIC FLOW
- FLAGGER
- TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHION AND ARROW BOARD SHOWING ARROW PATTERN (LEFT)
- BUFFER ZONE
- WORK AREA

CONSTRUCT

120	SF	CONSTRUCTION SIGNS
10	UN	BREAKAWAY BARRICADES
7	UN	DRUMS
1	UN	TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHION
1	UN	FLASHING ARROW BOARD, 4'X8'

GRAPHIC SCALE

50 0 20 50 100 200

(IN FEET)

1 inch = 50 ft.

TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE IN CONFORMANCE WITH MUTCD REGARDING NIGHT TIME OPERATIONS.

THE CONTRACTOR IS SPECIFICALLY DIRECTED TO TCD OF THE NJDOT STANDARD CONSTRUCTION DETAILS.

THE CONTRACTOR MUST MAINTAIN ACCESS TO ALL PROPERTIES AT ALL TIMES DURING CONSTRUCTION.

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED	RELEASED

TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

NORTH HILL ROAD AND NJ–35 TRAFFIC CONTROL PLAN

WARD 5

CME ASSOCIATES
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LIC. 47483
DATE 4/9/25

SCALE	As Shown
DATE	April 2025
DRAWN BY	OT
DESIGNED BY	OT/PD
CHECKED BY	GO
SHEET	68of 69

PROJECTION NO. PWB0A616.01

DRAWING NUMBER TCP-4

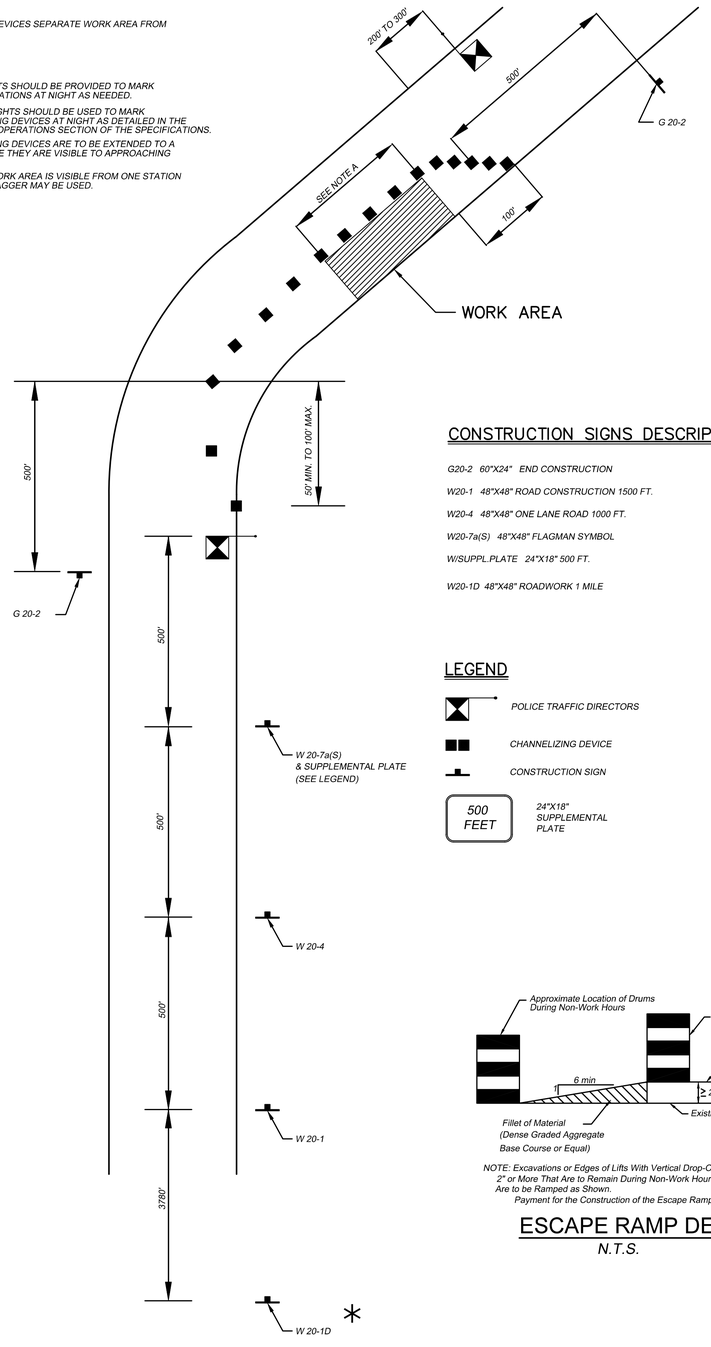
TCP-4

NOTE A:

CHANNELIZING DEVICES SEPARATE WORK AREA FROM TRAVELED WAY

NOTE:

1. FLOOD LIGHTS SHOULD BE PROVIDED TO MARK FLAGGER STATIONS AT NIGHT AS NEEDED.
2. WARNING LIGHTS SHOULD BE USED TO MARK CHANNELIZING DEVICES AT NIGHT AS DETAILED IN THE NIGHT TIME OPERATIONS SECTION OF THE SPECIFICATIONS.
3. CHANNELIZING DEVICES ARE TO BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.
4. IF ENTIRE WORK AREA IS VISIBLE FROM ONE STATION A SINGLE FLAGGER MAY BE USED.



WARNING SIGN SEQUENCE
IN OPPOSITE DIRECTION
SAME AS BELOW

CONSTRUCTION SIGNS DESCRIPTION:

G20-2 60"X24" END CONSTRUCTION

W20-1 48"X48" ROAD CONSTRUCTION 1500 FT.

W20-4 48"X48" ONE LANE ROAD 1000 FT.

W20-7a(S) 48"X48" FLAGMAN SYMBOL

W/SUPPL.PLATE 24"X18" 500 FT.

W20-1D 48"X48" ROADWORK 1 MILE

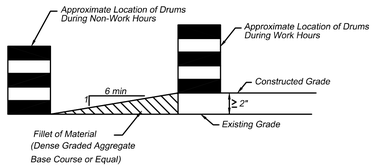
LEGEND

POLICE TRAFFIC DIRECTORS

CHANNELIZING DEVICE

CONSTRUCTION SIGN

500 FEET — 24"X18" SUPPLEMENTAL PLATE



NOTE: Excavations or Edges of Lifts With Vertical Drop-Offs of 2" or More That Are to Remain During Non-Work Hours Are to be Ramped as Shown. Payment for the Construction of the Escape Ramp.

ESCAPE RAMP DETAIL

N.T.S.

MINIMUM REQUIREMENTS FOR TEMPORARY LANE CLOSURE



W20 - 1D

* THIS SIGN SHOULD BE INSTALLED FOR ROADS WITH A SPEED LIMIT OF 45 M.P.H. OR GREATER.

TRAFFIC CONTROL COORDINATION:

1. PRIOR TO THE START OF CONSTRUCTION, THE ENGINEER SHALL BE NOTIFIED OF THE SINGLE SUPERVISORY LEVEL INDIVIDUAL, TRAINED IN THE PRINCIPLES OF SAFE TRAFFIC CONTROL, WHO, ALONG WITH THE DIRECTION OF THE POLICE DEPARTMENT'S TRAFFIC SAFETY DIVISION, WILL BE ASSIGNED THE RESPONSIBILITY AND AUTHORITY FOR THE IMPLEMENTATION AND MAINTENANCE OF THE TRAFFIC CONTROL.
2. THE PERSON ASSIGNED SHALL MAKE A CHECK OF ALL TRAFFIC CONTROL DEVICES IN USE ON THE ENTIRE PROJECT AT LEAST TWCE A DAY ON WORKING DAYS AND ONCE A DAY ON NON-WORKING DAYS. CONTRACTOR SHALL FILE THE NAME AND TELEPHONE NUMBER OF THE PERSON ASSIGNED TO PROVIDE SERVICES.

TRAFFIC CONTROL DEVICES:

1. TRAFFIC CONTROL DEVICES SHALL BE KEPT CLEAN AND MAINTAINED IN GOOD CONDITION INCLUDING REPLACEMENT IF LOST, STOLEN, OR DAMAGED UNTIL NO LONGER REQUIRED FOR THE PROJECT. ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE DETAILS SHOWN ON THE PLANS, SUPPLEMENTARY SPECIFICATIONS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND STANDARD DETAILS FOR TRAFFIC CONTROL DEVICES AS DEVELOPED BY THE NEW JERSEY DEPARTMENT OF TRANSPORTATION.
2. TRAFFIC CONTROL DEVICES SHALL ALSO BE PLACED AS DIRECTED BY THE ENGINEER TO PROVIDE TRAFFIC CONTROL FOR PERSONNEL DOING INSPECTIONS, SAMPLING, TESTING, OR TAKING MEASUREMENTS REQUIRED FOR THE PROJECT.

CONSTRUCTION SIGNS:

1. CONSTRUCTION SIGNS SHALL BE INSTALLED BY THE CONTRACTOR AS REQUIRED BY THE M.U.T.C.D. AND THE POLICE DEPARTMENT AS THE FIRST ORDER OF WORK FOR CONSTRUCTION SIGNS FOR PROJECTS AND SHALL BE MAINTAINED SO AS TO PROVIDE MAXIMUM VISIBILITY AND LEGIBILITY AT ALL TIME.
2. WHEN CONSTRUCTION SIGNS CONFLICT WITH EXISTING SIGNS, THE EXISTING SIGN SHALL BE COVERED. WHEN CONSTRUCTION SIGNS ARE NO LONGER REQUIRED, THEY SHALL BE REMOVED. IF THEY ARE TEMPORARILY NOT REQUIRED, SUCH AS OVERNIGHT, THEY SHALL EITHER BE TEMPORARILY REMOVED OR COVERED.
3. EACH ADVANCE WARNING SIGN (W20-1) SHALL BE LIGHTED 24 HOURS A DAY WITH DUAL ALTERNATE FLASH HIGH INTENSITY WARNING LIGHTS OF EITHER THE STROBE OR INCANDESCENT TYPE AS SELECTED BY THE CONTRACTOR.

CONSTRUCTION STAGING PLAN:

1. THE CONSTRUCTION STAGING PLAN IS BASED ON THE MINIMUM REQUIREMENTS PROVIDED IN THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). THE CONTRACTOR SHALL WORK IN ACCORDANCE WITH THE PROVISIONS OF THE PLAN AND THE MUTCD AND SHALL ONLY DEVIATE FROM THE PLAN AFTER APPROVAL.
2. APPROVAL OF THE ENGINEER AND CONSENT OF THE LOCAL AUTHORITIES HAVING JURISDICTION SHALL FIRST BE OBTAINED FOR REROUTING TRAFFIC OVER DETOURS THAT ARE NOT SHOWN ON THE PLANS. ALL NECESSARY ARRANGEMENTS SHALL BE MADE WITH SUCH AUTHORITIES REGARDING THE ESTABLISHMENT, MAINTENANCE AND REPAIR OF SUCH DETOURS, THE REGULATION AND DIRECTION OF TRAFFIC THEREON, AND SIGNING. ADEQUATE DIRECTIONAL AND DETOUR SIGNS, ACCEPTABLE TO THE LOCAL AUTHORITIES, SHALL BE FURNISHED AND ERECTED AT THE LOCATIONS WHERE SUCH AUTHORITIES MAY DIRECT.
3. CONSTRUCTION STAGING PLANS SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS – SECTION 159. IF A CONFLICT ARISES BETWEEN THE PLANS AND SPECIFICATIONS, THE SPECIFICATIONS SHALL GOVERN UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
4. ITEMS AND QUANTITIES SHOWN ARE INTENDED ONLY AS A GUIDE TO THE CONTRACTOR AND ARE SUGGESTED MINIMUMS FOR THE CLOSURE OF ONE LANE AND TWO LANES OF TRAFFIC.

SUGGESTED GENERAL SEQUENCE OF CONSTRUCTION

1. PROVIDE MINIMUM 24 HOUR ADVANCE NOTIFICATION TO THE LOCAL POLICE DEPARTMENT AND THE ENGINEER PRIOR TO MODIFICATION OF EXISTING TRAFFIC PATTERNS.
2. INSTALL "ADVANCE WARNING" SIGNS.
3. ESTABLISH DETOUR ROUTES, IF AND WHERE APPROVED BY THE ENGINEER AND/OR THE TRAFFIC SAFETY DIRECTOR, WHERE APPLICABLE.
4. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AS APPLICABLE.
5. COMPLETE INSTALLATION OF IMPROVEMENTS.
6. REMOVE TEMPORARY TRAFFIC CONTROL DEVICES, DETOUR SIGNS AND "ADVANCE WARNING SIGNS".

GENERAL NOTES:

1. VEHICULAR AND PEDESTRIAN TRAFFIC IS TO BE MAINTAINED OVER THE EXISTING ROADWAYS AND INTO EXISTING DRIVEWAYS WITHIN THE SCOPE OF THE PROJECT AT ALL TIMES. TRAFFIC CONTROL IS TO BE COORDINATED WITH LOCAL AUTHORITIES.
2. FINAL RESPONSIBILITY FOR THE INSTALLATION OF ADEQUATE PRECAUTIONS AND FOR THE PROTECTION OF THE TRAVELING PUBLIC AND HIS OWN PERSONNEL, SHALL REST WITH THE CONTRACTOR.
3. ALTERNATE ONE-WAY TRAFFIC CONTROL MAY BE REQUIRED DURING CONSTRUCTION OPERATIONS. PERMISSION FOR COMPLETE STOPPAGE OF ONE DIRECTION OF TRAFFIC MUST BE OBTAINED FROM THE LOCAL POLICE AND THE ENGINEER AT LEAST THREE (3) DAYS PRIOR TO STOPPAGE. ALTERNATE ONE WAY TRAFFIC CONTROL WILL BE AFFECTED BY TWO UNIFORM TRAFFIC DIRECTORS, ONE AT EACH END OF THE WORK AREA. ALL TEMPORARY TRAFFIC LANES SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF 11 FEET.
4. SITE FOR THE STORAGE OF EQUIPMENT AND MATERIALS DURING THE PROGRESS OF THE WORK SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.
5. COMPLIANCE WITH ALL PRESCRIBED SAFETY PRECAUTIONS CONTAINED HEREIN SHALL NOT RELIEVE THE CONTRACTOR OF HIS PRIMARY RESPONSIBILITY TO TAKE ALL NECESSARY MEASURES TO PROTECT AND SAFEGUARD THE PUBLIC NOR RELIEVE HIM OF ANY RESPONSIBILITIES DESCRIBED IN THE CONTRACT AGREEMENTS.
6. IF THE LOCAL POLICE DEPARTMENT NOTIFIES THE CONTRACTOR OR HIS SUPERINTENDENT OR THE ENGINEER OF ANY HAZARDOUS CONDITION OR VIOLATION OF TRAFFIC CONTROL IN THE WORK AREA REGULATIONS, ALL OPERATIONS SHALL BE IMMEDIATELY DISCONTINUED AND IMMEDIATE REMEDIAL ACTION SHALL BE TAKEN TO THE SATISFACTION OF THE LOCAL POLICE BEFORE WORK IS RESUMED. ALL COSTS INCURRED AS A RESULT OF SUCH ACTION SHALL BE BORNE BY THE CONTRACTOR WITHOUT RECOURSE AGAINST THE OWNER.
7. REDUCTION OF THE NUMBER OF LANES AVAILABLE FOR TRAFFIC OR REDUCTION OF EXISTING WIDTHS OF TRAVELED WAY WILL NOT BE PERMITTED UNTIL AFTER 9:00 A.M. AND SHALL BE REMOVED PRIOR TO 4:00 P.M. UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
8. WORK WHICH WILL INTERFERE WITH TRAFFIC OR RESTRICT THE WIDTH OF TRAVELED WAY AVAILABLE FOR TRAFFIC SHALL NOT BE PERFORMED ON SATURDAYS, SUNDAYS, OR LEGAL HOLIDAYS UNLESS OTHERWISE DIRECTED BY THE ENGINEER
9. PRIOR TO BEGINNING A SEASONAL SHUTDOWN OR ANY OTHER PROLONGED WORK STOPPAGE, OR WHEN WORK IS SUSPENDED BY THE ENGINEER, ALL EXCAVATED AREAS WITHIN THE TRAVELED WAY OR ADJACENT THERETO SHALL BE BROUGHT TO A GRADE COMPATIBLE WITH THE EXISTING TRAVELED WAY OR TO FINISHED GRADE, AS APPROVED.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE WITHIN THE PROJECT LIMITS UNTIL ACCEPTANCE. THIS MAINTENANCE SHALL CONSIST OF CONTINUOUS AND EFFECTIVE WORK PROSECUTED DAY BY DAY, WITH ADEQUATE EQUIPMENT AND FORCES TO THE END THAT THE ROADWAY IS KEPT IN SATISFACTORY CONDITION AT ALL TIMES.
11. IN THE CASE OF A CONTRACT REQUIRING THE PLACING OF A COURSE UPON A COURSE OF SUBGRADE PREVIOUSLY CONSTRUCTED, THE CONTRACTOR SHALL MAINTAIN THE PREVIOUS COURSE OF SUBGRADE DURING ALL CONSTRUCTION OPERATIONS.
12. THE CONTRACTOR SHALL BACKFILL ALL EXCAVATED AREAS WITHIN THE ROADWAY TO A GRADE COMPATIBLE WITH THE EXISTING TRAVELED WAY AT SUCH TIMES HE IS NOT ACTIVELY WORKING. THIS SHALL INCLUDE NIGHTS, WEEKENDS AND PERIODS OF SHUTDOWNS.
13. COMPETENT, TRAINED AND UNIFORMED TRAFFIC DIRECTORS SHALL BE EMPLOYED AT EVERY POINT WHERE CONTRACTOR'S EQUIPMENT IS WORKING IMMEDIATELY ADJACENT TO, OR IS ENTERING, LEAVING OR CROSSING ACTIVE TRAFFIC LANES. TRAFFIC DIRECTORS SHALL BE EMPLOYED CONTINUOUSLY FOR THE FULL TIME SUCH CONDITIONS EXIST AS DETERMINED BY THE ENGINEER.
14. THE USE OF UNIFORMED POLICE OFFICERS AS TRAFFIC DIRECTORS IS NOT A SPECIFIC REQUIREMENT OF THIS PROJECT. HOWEVER, SHOULD THEY BE DEEMED NECESSARY DUE TO IMPROPER ACTIONS OF THE CONTRACTOR'S TRAFFIC DIRECTORS OR SHOULD THE CONTRACTOR DESIRE THE ASSISTANCE OF UNIFORMED POLICE OFFICERS AS TRAFFIC DIRECTORS, THE POLICE TRAFFIC DIRECTORS SHALL BE OFF-DUTY POLICE OFFICERS FROM WITHIN THE MUNICIPALITY WHERE THE WORK IS BEING PERFORMED. POLICE TRAFFIC DIRECTORS SHALL BE LOCATED WHERE SHOWN ON THE PLANS OR AT SPECIFIC LOCATIONS DESIGNATED BY THE POLICE DEPARTMENT OR ENGINEER DURING CONSTRUCTION HOURS. THE MUNICIPALITY SHALL BE CONTACTED IN ORDER TO OBTAIN THE SERVICES OF POLICE TRAFFIC DIRECTORS AND THE NAME, ADDRESS AND TELEPHONE NUMBER OF THEIR LOCAL REPRESENTATIVE.
15. THE OWNERS OF ADJOINING PROPERTIES SHALL BE GIVEN A WRITTEN NOTICE AT LEAST 3 DAYS PRIOR TO THE BEGINNING OF ANY WORK WHICH INTERFERES WITH THE OWNERS NORMAL PASSAGE.

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TOWNSHIP OF WOODBRIDGE
MIDDLESEX COUNTY, NEW JERSEY

2025 MILLING AND RESURFACING PROGRAM

CONSTRUCTION STAGING PLAN

CME ASSOCIATES
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NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000

GARY M. OLIVA P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LIC. 47483
DATE 4/9/25

SCALE	DATE	DRAWING NUMBER
As Shown	April 2025	SP-1
DRAWN BY: PD	DESIGNED BY: PD	
CHECKED BY: GO	SHEET: 69 of 69	SP-1

REGISTER NO.

FILE NO. PWB0A616.01