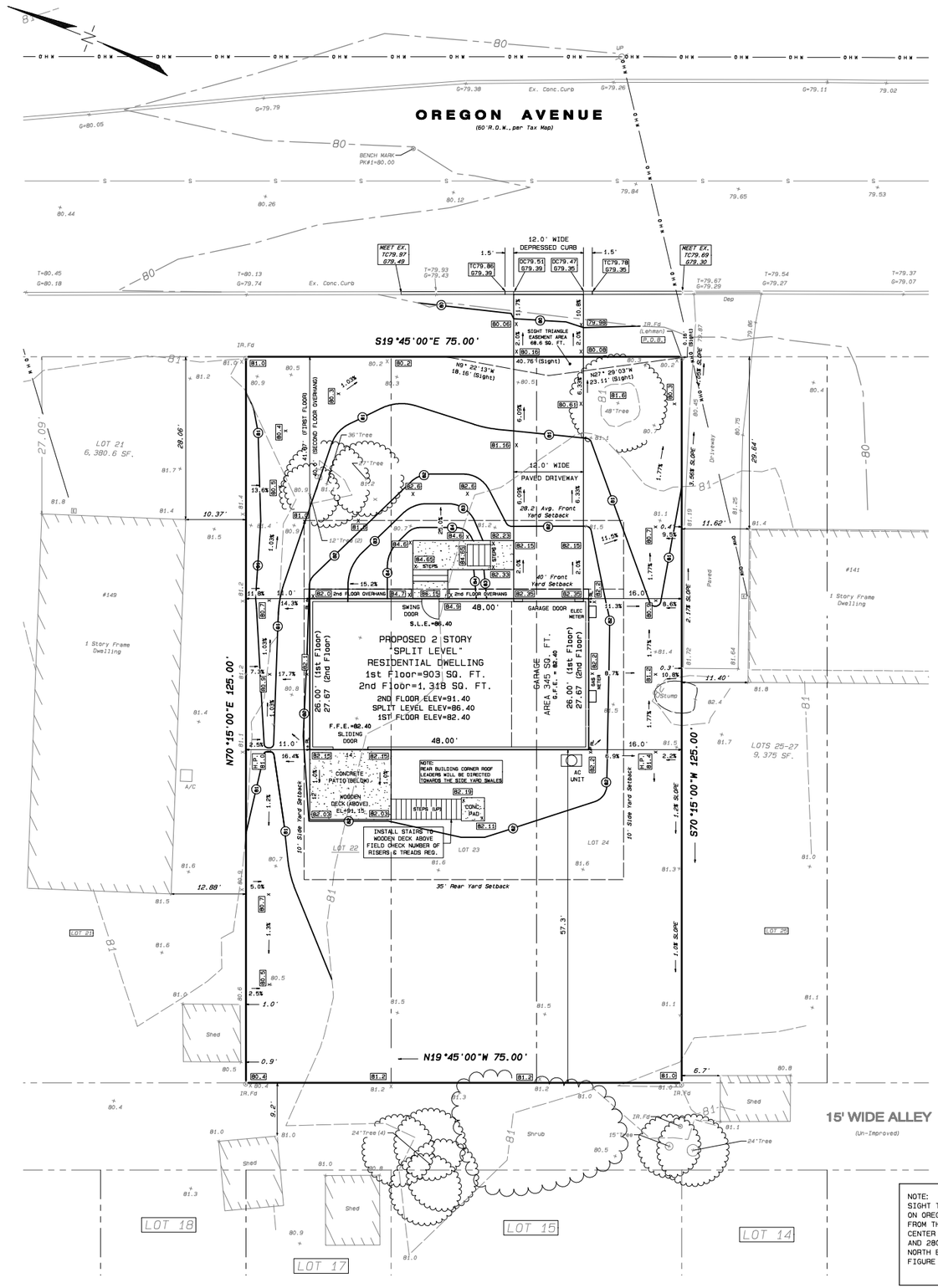
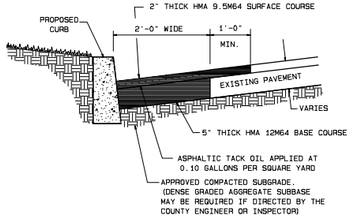
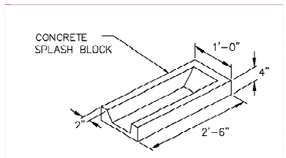



"OREGON AVENUE"

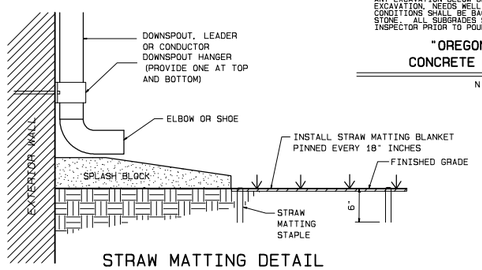
## CURB REPLACEMENT AND PAVING REPAIR STRIP

N.T.S.




## SPLASH BLOCK DETAIL

NOT TO SCALE



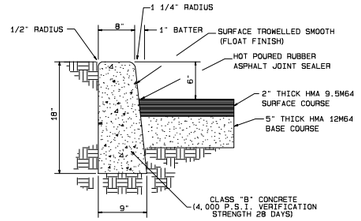

## STRAW MATTING DETAIL

N.T.S.

GENERAL CONSTRUCTION NOTES FOR CURB AND SIDEWALKS:

1. ALL CONCRETE SHALL BE PLANT MIX WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 P.S.I..
2. PERMIT IS REQUIRED FROM THE DIVSION OF ENGINEERING PRIOR TO THE PAVING, RE-PAVING, OR REPLACEMENT OF DRIVEWAYS. ADDITIONALLY AN INSPECTION IS REQUIRED BY PUBLIC WORKS.
3. THE FOLLOWING PROCEDURES ARE REQUIRED DURING CONSTRUCTION OF CURB AND SIDEWALK WHEN THE TEMPERATURE FALLS BELOW FREEZING DURING THE NIGHT.
   A. AN ACCELERATING ADMIXTURE (EITHER ACCELGUARD 80 OR PLASTOCRETE 161FL) SHALL BE ADDED TO THE CONCRETE PER THE MANUFACTURER'S SPECIFICATIONS. CONCRETE TEMPERATURE SHALL BE ABOVE 60°F WHEN DELIVERED TO THE SITE.
   B. AT THE TIME OF INSTALLATION, THE TEMPERATURES SHALL BE ABOVE 32°F AND THE NIGHT TEMPERATURES ARE NOT PREDICTED TO GO BELOW 28°F. IF EITHER TEMPERATURE IS BELOW THESE LIMITS, THE CONCRETE SHALL NOT BE POURED.
   C. THE GROUND SHALL NOT CONTAIN FROST.
   D. THE CONCRETE SHALL BE PROTECTED WITH INSULATING BLANKETS OR PLASTIC AND SALT HAY.
4. NO SHORT FORMS SHALL BE USED TO CONSTRUCT CURB, UNLESS APPROVED IN ADVANCE BY THE TOWNSHIP PUBLIC WORKS INSPECTOR.

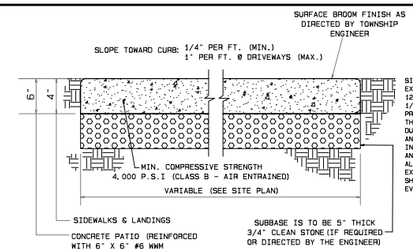
NOTE:
1/2" EXPANSION JOINTS OF CELLULAR COMPRESSION MATERIAL TO BE PLACED AT 20 FT. INTERVALS AND 1/4" PREMOLDED EXPANSION JOINTS TO BE PLACED LONGITUDINALLY ADJACENT TO ALL ABUTTING CONCRETE STRUCTURES AS THE ENGINEER MAY DIRECT. CONSTRUCTION JOINTS TO BE PROVIDED EVERY 20' ALTERNATING WITH EXPANSION JOINTS.




ALL CURBING SHALL BE PLACED ON UNDISTURBED DRY SOIL OR WELL COMPACTED SELECT FILL. CUT TO THE PROPER GRADE. ANY EXCAVATION BELOW DESIRED GRADE DUE TO OVER-EXCAVATION, NEEDS WELL COMPACTED SELECT FILL. WET SOIL CONDITIONS SHALL BE BACKFILLED WITH 3/4" CLEAN CRUSHED STONE. ALL SUBGRADES SHALL BE APPROVED BY THE COUNTY INSPECTOR PRIOR TO POURING.

## "OREGON AVENUE" CONCRETE CURB DETAIL

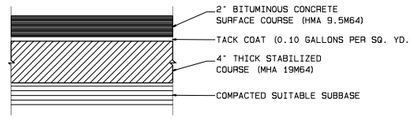
N.T.S.




SIDEWALK NOTE:
EXPANSION JOINTS SHALL BE PLACED EVERY 12 FEET AND SHALL CONSIST OF AT LEAST 1/4 INCHES THICK. BITUMINOUS COATED PREFORMED EXPANSION JOINT EXTENDING THE FULL DEPTH OF THE CONCRETE SIDEWALK. DUMMY JOINTS SHALL BE PLACED EVERY 5 FEET AND SHALL BE CUT A MINIMUM DEPTH OF ONE INCH. EXPANSION JOINTS, AND DUMMY JOINTS AND ALL EDGES SHALL HAVE A 1/4 INCH RADIUS ALONG ALL EDGES. FOR REPLACEMENT OF EXISTING 5 FEET WALK EXPANSION JOINTS SHALL BE EVERY 15 FEET AND DUMMY JOINTS EVERY 5 FEET.

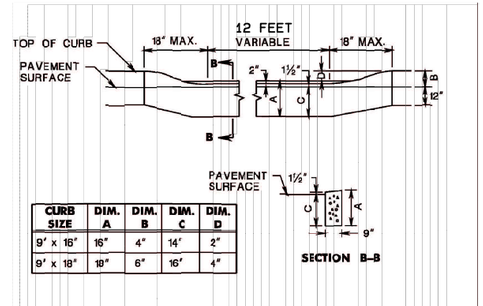
## "ON SITE" CONCRETE SIDEWALK DETAIL

N.T.S.




## PAVEMENT DETAIL FOR DRIVEWAY

N.T.S.




| CURB SIZE | DIM. A | DIM. B | DIM. C | DIM. D |
|---|---|---|---|---|
| 9' x 18" | 16" | 4" | 14" | 2" |
| 9' x 18" | 18" | 6" | 16" | 4" |

SECTION B-B

## METHOD OF DEPRESSING CURB AT DRIVEWAYS

CD-607-2.4

## LEGEND:

| | | | |
|---|---|---|---|
| T 79.84 | = EX TOP OF CURB ELEV. | TC79.50 G79.00 | = PROPOSED TOP OF CURB AND GUTTER ELEVATIONS |
| G 80.34 | = EX GUTTER ELEVATION | 79.5 | = PROPOSED SPOT ELEVATION |
| DC 80.34 | = EX DEPRESSED CURB ELEV. | 80/79.5 | = PROP. DEPRESSED CURB ELEV |
| X 80.5 | = EX SPOT ELEVATION | 75 | = EX CONTOUR LINE |
| TCB 80.52 | = EX TOP OF CATCH BASIN | 75 | = PROPOSED CONTOUR LINE |
| GR 80.02 | = EX GRATE ELEVATION | F.F.E. | = FIRST FLOOR ELEVATION |
| PKF | = PK NAIL FOUND | G.F.E. | = GARAGE FLOOR ELEVATION |
| IR FND | = IRON ROD FOUND | A/C | = AIR CONDITIONER UNIT |
| MONF | = MONUMENT FOUND | HYD | = FIRE HYDRANT |
| POB | = POINT OF BEGINNING | SSCO | = EX SANITARY SWER CLEANOUT |
| EOP | = EDGE OF PAVING | WV | = EX WATER VALVE |
| ESW | = EDGE OF SIDEWALK | GV | = EX GAS VALVE |
| EOS | = EDGE OF STONE | W | = EX WATER LINE |
| CLF | = CHAINLINK FENCE | PW | = PROPOSED WATER LINE |
| WF | = WOODEN FENCE | G | = EX GAS LINE |
| WD | = WIRE/POST FENCE | PG | = PROPOSED GAS LINE |
| UP | = UTILITY POLE | G | = EX SANITARY SEWER LINE |
| GUY | = GUY WIRE | PS | = PROP. SANITARY SEWER LINE |
| OHW | = OVER HEAD WIRES | SSCO | = PROP. SANITARY SEWER CLEANOUT |
| E | = UNDERGROUND ELECTRIC WIRES | WV | = PROP. WATER VALVE |
| SSMH | = SANITARY SEWER MANHOLE | GV | = PROP. GAS VALVE |
| STMH | = STORM MANHOLE | | |

NOTE:
SIGHT TRIANGLE BASED ON 25 MPH SPEED LIMIT ON OREGON AVENUE, MEASURED 14.5 FEET FROM THE CURB LINE AND 240 FEET ALONG THE CENTER LINE OF THE SOUTH BOUND TRAVEL LANE AND 280 FEET ALONG THE CENTER LINE OF THE NORTH BOUND TRAVEL LANE AS PER NJDOT FIGURE 6-A.

SIGHT TRIANGE EASEMENT

POINT OF BEGINNING
S 70° 15' 00" W 0.16'
N 27° 29' 03" W 23.11'
N 09° 22' 13" W 18.16'
S 19° 45' 00" E 40.76'

TOTAL AREA = 68.6 SQ. FT.

NOTES:

1. THERE MAY BE VARIOUS LEDGES, PROTRUSIONS, OVERHANGS, ETC. THAT ARE NOT SHOWN OR MEASURED ALONG THESE BUILDINGS. FOR USE OTHER THAN A PICTURE FOOTPRINT ADDITIONAL DETAIL AND MEASUREMENTS MAY BE REQUIRED TO SHOW SPECIFIC CONDITIONS ALONG THAT PORTION OF THE BUILDING IN QUESTION.
2. PROPERTY CORNERS FOUND OR SET AS SHOWN.
3. UTILITY STATEMENT: THE UNDERGROUND UTILITIES AND STRUCTURES AS SHOWN HEREON HAVE BEEN LOCATED FROM PHYSICAL MARKINGS ON THE GROUND BY VARIOUS UTILITY COMPANIES, FIELD SURVEY INFORMATION, ATLAS MAPS AS MAY BE AVAILABLE FROM MUNICIPALITIES OR UTILITY COMPANIES, AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES OR STRUCTURES SHOWN COMPRISE ALL SUCH UNDERGROUND FEATURES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND FEATURES WHICH ARE SHOWN AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. PRIOR TO ANY DESIGN OR CONSTRUCTION, THE UNDERGROUND UTILITY MARKOUT NUMBER (800-272-1000) SHALL BE CALLED.
4. THIS PLAN PREPARED FOR A FEE FOR THE PERSONS AND PURPOSES INDICATED HEREON. ANY OTHER USE OF THIS PLAN (OR COPIES, OR ALTERATIONS OF IT NOT IMPRESSED WITH THE SEAL OF THE LICENSED INDIVIDUAL WHO PREPARED THIS PLAN) IS NOT THE RESPONSIBILITY OF THE UNDERSIGNED.
5. SUBJECT TO ALL EASEMENTS, RESTRICTIONS AND LEASES OF RECORD, RECORDED OR UNRECORDED, AND ANY OTHER PERTINENT FACTS WHICH A TITLE SEARCH MIGHT DISCLOSE.
6. INVESTIGATION AND DETERMINATION OF ENVIRONMENTAL, FLOODPLAIN AND SUBSURFACE CONDITIONS WERE NOT PART OF THIS PROJECT OR CONTRACT.
7. HORIZONTAL DATUM: ALSO KNOWN AS LOTS 22-24 IN BLOCK 'O' ON FILED MAP ENTITLED "EWING PARK" DULY FILED IN THE MERCER COUNTY CLERK'S OFFICE ON MAY 11, 1906 AS MAP #169.
8. VERTICAL DATUM: ASSUMED SYSTEM.
9. BENCHMARK LOCATED ON SITE: PK NAIL SET IN CENTERLINE OF OREGON AVENUE, ELEVATION=80.00', AS SHOWN ON PLAN.

GRAPHIC SCALE 1"=10'

10 0 10 20 30

SHEET 3

| No. | Date | Description |
|---|---|---|
| 1 | 9/3/25 | REVISED AS PER TOWNSHIP COMMENTS DATED 9/3/25 |

REVISIONS


TRENTON ENGINEERING CO., INC.
PROFESSIONAL ENGINEERS, PLANNERS AND LAND SURVEYORS
ESTABLISHED 1907
2193 SPRUCE STREET TRENTON, N.J. 08638
TEL. NO. 609-882-0616
FAX. NO. 609-882-6004

JOSEPH MESTER
N.J. PROFESSIONAL ENGINEER AND PROFESSIONAL LAND SURVEYOR No. 19462

DATE 9/3/25


GRADING PLAN
of
#145 Oregon Avenue
for
Mark T. Gualtieri
in
TOWNSHIP OF EWING
MERCER CO., NEW JERSEY

CERTIFICATE OF AUTHORIZATION NO. 24GA28052600

| TAX MAP DATA | | |
|---|---|---|
| LOT | BLOCK | PAGE |
| 22-24 | 159 | 16 |

| | |
|---|---|
| DATE | 7/10/25 |
| INV. | 44949 |
| DRAWN BY: | JTH |
| SCALE | 1"=10' |
| FB. | PG. |
| FILE | 109-30 |

Draft-C:\TRENTON ENGINEERING\OREGON AVE 145 PLOT PLAN\OREGON AVE 145 - JULY 2025.prt