

# VILLAGE WALK AT MONTGOMERY

AMENDED PRELIMINARY AND FINAL  
MAJOR SUBDIVISION & SITE PLAN  
BLOCK 28007 LOTS 1, 2 3 & 4      BLOCK 28009 LOTS 4

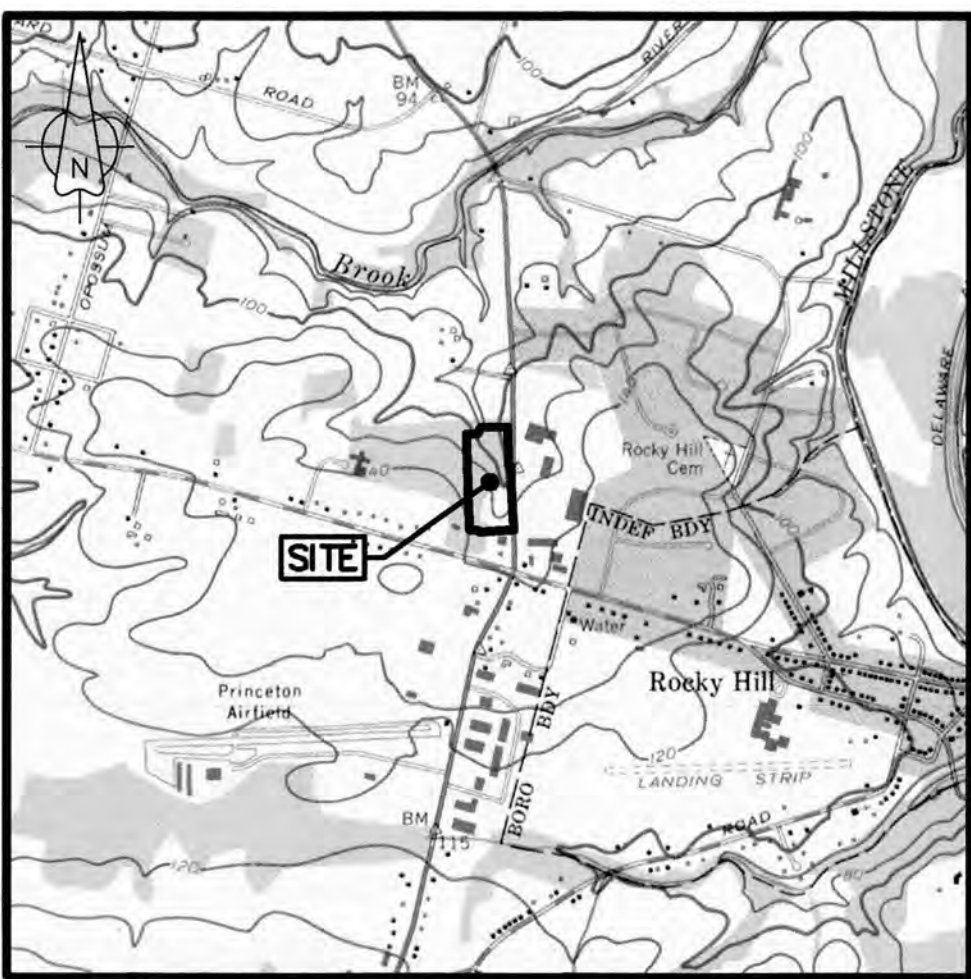
MONTGOMERY TOWNSHIP

SOMERSET COUNTY

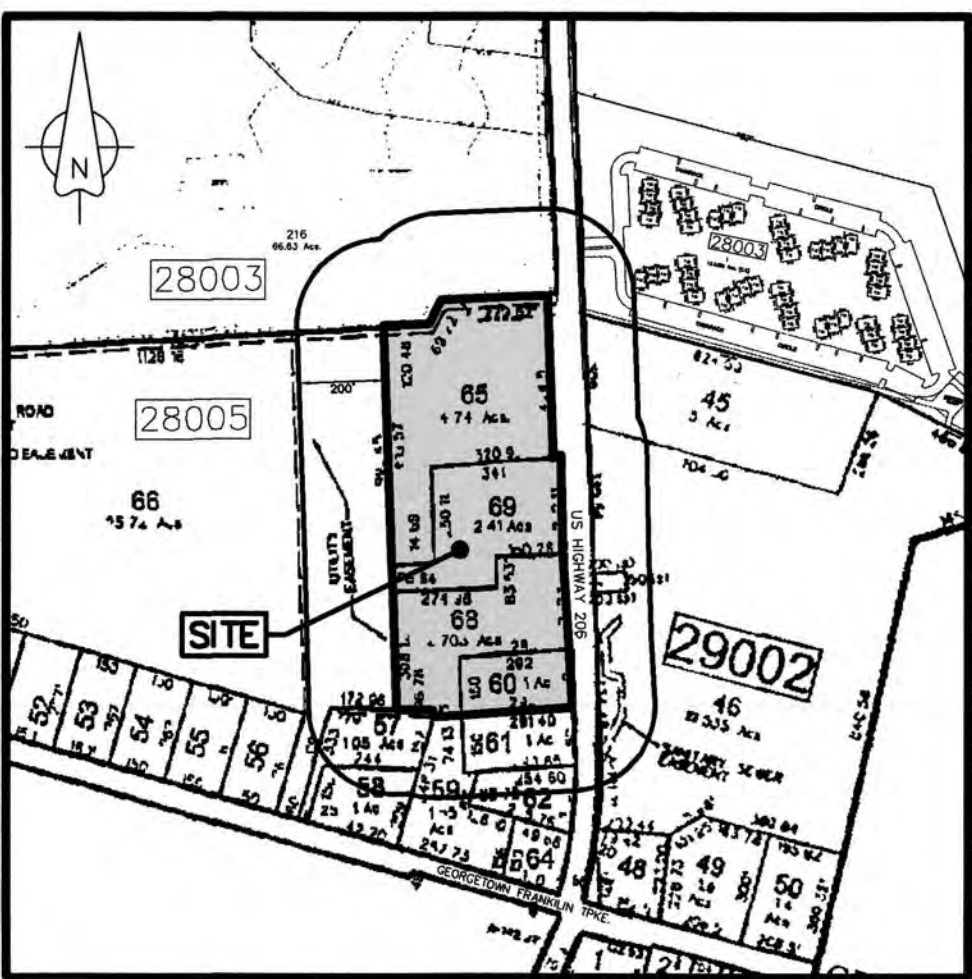
NEW JERSEY



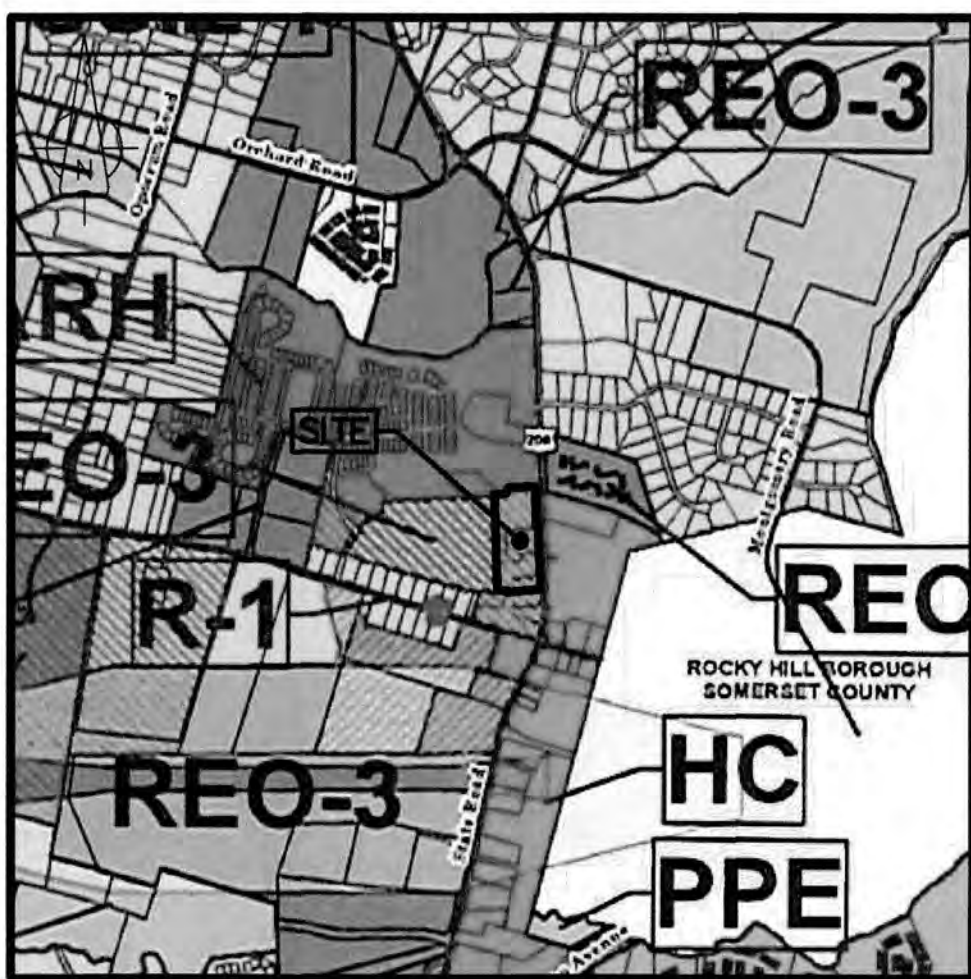
**ROAD MAP**  
1"=1,000'±



**U.S.G.S. MAP**  
1"=2,000'±



**TAX MAP**  
1"=500'±



**ZONING MAP**  
1"=2,000'±

**200' OWNERS LIST**

| BLOCK | LOT   | NAME & ADDRESS                                                                                                                       |
|-------|-------|--------------------------------------------------------------------------------------------------------------------------------------|
| 28003 | 161   | Sharbell Plainboro Inc.<br>1 Washington Blvd, Suite 9<br>Robbinsville, NJ 08691                                                      |
| 28003 | 162   | Tapstry at Montgomery HOA Inc.<br>28 Hwy 33<br>Hamilton, NJ 08619                                                                    |
| 28005 | 56    | Odilia & Miguel A. Sanzito<br>970 Route 518<br>Hamilton, NJ 08558                                                                    |
| 28005 | 57    | Mary Curtis Horowitz<br>1247 State Road<br>Princeton, NJ 08540                                                                       |
| 28005 | 59    | K.T. Corporation<br>7 Houston Court<br>Marlinsville, NJ 08836                                                                        |
| 28005 | 61    | American Realty Assoc. % PRC InkKeeper<br>1600 Highway 24<br>Netpage, NJ 07753                                                       |
| 28005 | 62    | American Realty Assoc. % PRC InkKeeper<br>P.O. Box 417<br>Sea Girt, NJ 08750                                                         |
| 28005 | 66    | KT Capital, LLC<br>17 Research Road<br>Princeton, NJ 08540                                                                           |
| 28005 | 68    | Village Shoppes at Montgomery LLC<br>219 Nassau Street<br>Princeton, NJ 08542                                                        |
| 29002 | 45    | CCI377 LLC<br>36 Brower Lanes<br>Hillsborough, NJ 08844                                                                              |
| 29002 | 46    | Monteen SC L.L.C.<br>902 Carnegie Cir, Ste 400<br>Princeton, NJ 08542                                                                |
| 29002 | 46.01 | George H. & Jeffrey H. Sands<br>902 Carnegie Center, 5400<br>Princeton, NJ 08540                                                     |
| 29004 | 1     | Montgomery Knoll Owners Assoc.<br>1415 Rt 206<br>Rocky Hill, NJ 08553                                                                |
| 34001 | 56    | Thompson Reuters Property Tax<br>1 New York Plaza, 34th Fl<br>New York, NY 1004                                                      |
| 34001 | 80    | 1st Constitution Bank<br>2650 Route 130<br>Cranbury, NJ 08512                                                                        |
| 34001 | 81    | Diane & Nicholas Daskaryin<br>967 County Route 518<br>Skillman, NJ 08558                                                             |
|       |       | Township Montgomery<br>2261 Rt. 206<br>Belle Mead, NJ 08502                                                                          |
|       |       | Somerset County Planning Board<br>P.O. Box 3000<br>Somerville, NJ 08876                                                              |
|       |       | NJ Department of Transportation<br>1035 Parkway Ave, CN6000<br>Trenton, NJ 08625                                                     |
|       |       | Comcast Cable<br>100 Randolph Road<br>Somerset, NJ 08873                                                                             |
|       |       | New Jersey American Water<br>Attn: Donna Short, GIS Supervisor<br>1025 Laurel Oak Road<br>Yonkers, NJ 08943                          |
|       |       | Century Link<br>256 Paul St.<br>Belvidere, NJ 07623                                                                                  |
|       |       | Attn: Bob O'Connor<br>Public Service Electric & Gas<br>Manager-Corporate Properties<br>80 Park Plaza, 1100<br>Newark, NJ 07102       |
|       |       | Department of Public Works<br>Township of Montgomery<br>2261 Rt. 206<br>Belle Mead, NJ 08502<br>Attn: Arthur Villano, Superintendent |

**REQUIRED AGENCY  
APPROVALS**

| AGENCY / TYPE OF APPROVAL                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Montgomery Township Planning Board<br>Site Plan & Subdivision Approvals<br>(File # PB-04-18)                                                                                                           |
| Somerset County Planning Board<br>Site Plan & Subdivision Approvals<br>(File # MG 489-006&007-195)                                                                                                     |
| Somerset-Union Soil Conservation District<br>Soil Erosion & Sediment Control Certification<br>(File # 2018-2186)                                                                                       |
| NJDEP Division of Water Quality<br>RFA - NIPDES GP No. NJG0088323<br>Stormwater Discharge Associated with<br>Construction Activity<br>(PI ID #: 784644 / Portal ID#: 832263 /<br>NIPDES #: NJG0284A15) |
| NJDEP Division of Water Quality<br>Treatment Works Approval (Sanitary Sewer)<br>(File # 19-0523)                                                                                                       |
| NJDEP Division of Water Supply<br>Water Main Extension Certification ( )<br>(File # )<br>(PWSID # 20040002)                                                                                            |
| NJDEP Land Use Regulation Program<br>Letter of Interpretation - Presence/Absence<br>(File # )                                                                                                          |
| NJDEP Land Use Regulation Program<br>Letter of Interpretation - Presence/Absence<br>(File # 1813-17-0002.1 FWW170001)                                                                                  |
| NJDEP Land Use Regulation Program<br>Letter of Interpretation - Line Verification<br>(File # 1813-17-0005.1)                                                                                           |
| Delaware & Raritan Canal Commission<br>Certification<br>(File # 18-1674E)                                                                                                                              |
| NJDOT<br>Major Access / Street Intersection (2 new<br>streets) / Lot Subdivision Permits<br>(File # A-206-C-15730-2018, S-206-C-15752-<br>2018, S-206-C-15754-2018, LS-206-C-15756-<br>2018 (4557550)) |
| Federal Aviation Administration<br>Notice of Proposed Construction<br>(Project # VILLA-00049858-18)<br>(ASN #s: 2018-AEA-15030-OE;<br>2018-AEA-15032-OE;<br>2018-AEA-15034-OE;<br>2018-AEA-15038-OE)   |
| Montgomery Township Sewer Utility<br>(File # )                                                                                                                                                         |

**DRAWING LIST**

| SHEET #  | DWG. #  | TITLE                                        |
|----------|---------|----------------------------------------------|
| SHEET 1  | CV-1    | COVER SHEET                                  |
| SHEET 2  | PMUD-OP | PMUD OVERALL PLAN                            |
| SHEET 3  | EC-1    | EXISTING CONDITIONS PLAN                     |
| SHEET 4  | OP-1    | OVERALL PLAN                                 |
| SHEET 5  | FM-1    | FINAL MAP                                    |
| SHEET 6  | DM-1    | DEMOLITION PLAN-PHASE 1                      |
| SHEET 7  | GE-1    | GEOMETRY PLAN-PHASE 1                        |
| SHEET 8  | GU-1    | GRADING & UTILITY PLAN-PHASE 1               |
| SHEET 9  | LI-1    | LIGHTING PLAN-PHASE 1                        |
| SHEET 10 | LA-1    | LANDSCAPE PLAN-PHASE 1                       |
| SHEET 11 | DM-2    | DEMOLITION PLAN-PHASE 2                      |
| SHEET 12 | GE-2    | GEOMETRY PLAN-PHASE 2                        |
| SHEET 13 | GU-2    | GRADING & UTILITY PLAN-PHASE 2               |
| SHEET 14 | LI-2    | LIGHTING PLAN-PHASE 2                        |
| SHEET 15 | LA-2    | LANDSCAPE PLAN-PHASE 2                       |
| SHEET 16 | WMP-1   | WOODLANDS MANAGEMENT PLAN                    |
| SHEET 17 | RP-1    | ROADWAY PROFILES                             |
| SHEET 18 | UP-1    | UTILITY PROFILES-1                           |
| SHEET 19 | UP-2    | UTILITY PROFILES-2                           |
| SHEET 20 | SE-1    | SOIL EROSION & SEDIMENT CONTROL PLAN-PHASE 1 |
| SHEET 21 | SE-2    | SOIL EROSION & SEDIMENT CONTROL PLAN-PHASE 2 |
| SHEET 22 | SED-1   | SOIL EROSION & SEDIMENT CONTROL DETAILS-1    |
| SHEET 23 | SED-2   | SOIL EROSION & SEDIMENT CONTROL DETAILS-2    |
| SHEET 24 | DE-1    | CONSTRUCTION DETAILS-1                       |
| SHEET 25 | DE-2    | CONSTRUCTION DETAILS-2                       |
| SHEET 26 | DE-3    | CONSTRUCTION DETAILS-3                       |
| SHEET 27 | DE-4    | CONSTRUCTION DETAILS-4                       |
| SHEET 28 | DE-5    | CONSTRUCTION DETAILS-5                       |
| SHEET 29 | DE-6    | CONSTRUCTION DETAILS-6                       |
| SHEET 30 | DE-7    | CONSTRUCTION DETAILS-7                       |
| SHEET 31 | DE-8    | CONSTRUCTION DETAILS-8                       |
| SHEET 32 | DE-9    | CONSTRUCTION DETAILS-9                       |
| SHEET 33 | PHP-1   | CONSTRUCTION PHASING PLAN                    |
| SHEET 34 | JD-1    | JURISDICTIONAL PLAN                          |
| SHEET 35 | ADA-1   | ADA RAMP DETAILS                             |

| APPROVED BY |      |
|-------------|------|
| CHAIRMAN    | DATE |
| SECRETARY   | DATE |
| ENGINEER    | DATE |

|                                                                                                              |      |
|--------------------------------------------------------------------------------------------------------------|------|
| I HEREBY CERTIFY THAT I AM OWNER<br>OF RECORD ON THE SITE HEREIN DEPICTED AND THAT I<br>CONCUR WITH THE PLAN |      |
| OWNER                                                                                                        | DATE |

**OWNER & APPLICANT**  
**BLOCK 28007 LOTS 1, 2, 3 & 4**  
**BLOCK 28009 LOT 4**  
VINCE PUGLIESE  
VILLAGE SHOPPES AT MONGOMERY, LLC.  
219 NASSAU ST.  
PRINCETON, NJ 08542  
(609) 356-0279

DATE OF ISSUE: MARCH 16, 2018  
PLANS REVISED THROUGH: FEBRUARY 25, 2022

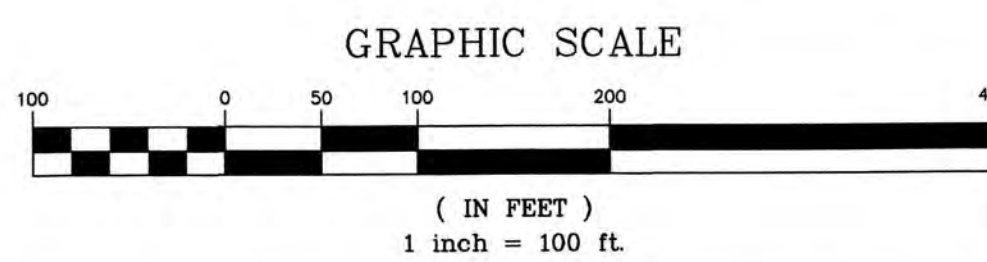


**MENLO ENGINEERING ASSOCIATES, INC.**

CIVIL ENGINEERING CONSULTANTS & PROFESSIONAL PLANNERS  
261 CLEVELAND AVENUE HIGHLAND PARK, NEW JERSEY 08904  
JOB No. 2015.063 DWG. No. CV-1

SHEET 1





| REVISIONS |                       |
|-----------|-----------------------|
| 1)        | COMPLETENESS REVS     |
| 2)        | TOWNSHIP REVS         |
| 3)        | RESOLUTION COMPLIANCE |
| 4)        | RESOLUTION COMPLIANCE |
| 5)        | RESOLUTION COMPLIANCE |
| 6)        | RESOLUTION COMPLIANCE |
| 7)        | RESOLUTION COMPLIANCE |
| 8)        | TOWNSHIP REVS         |

THIS DRAWING IS FOR PERMIT PURPOSES  
ONLY - NOT FOR CONSTRUCTION UNTIL  
THIS BOX HAS BEEN CHECKED AND DATED.

THIS WORK PREPARED UNDER MY  
IMMEDIATE SUPERVISION...



SCOTT H. TURNER  
PROFESSIONAL ENGINEER  
N.E.P.#43811

**MENLO ENGINEERING ASSOCIATES, INC.**  
CIVIL ENGINEERS, LAND SURVEYORS AND PROFESSIONAL PLANNERS  
261 CLEVELAND AVENUE HIGHLAND PARK, NEW JERSEY 08904  
PHONE: (732) 846-8585 FAX: (732) 846-9439  
CERTIFICATE OF AUTHORIZATION: 24GA27951900

# VILLAGE WALK at MONTGOMERY

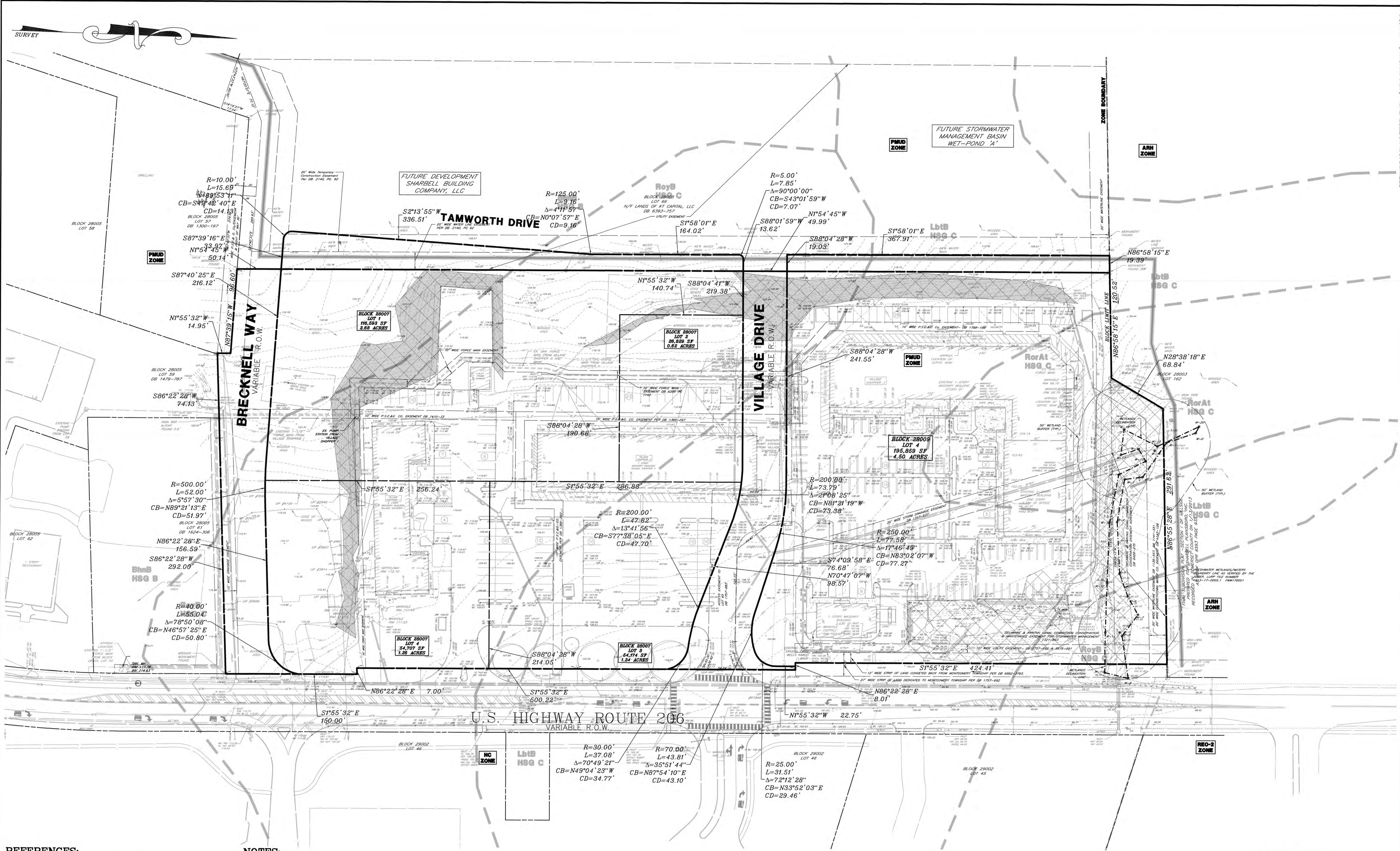
MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY

## PMUD OVERALL PLAN

BLOCK 28007 LOTS 1, 2, 3, & 4; BLOCK 28009 LOT 4 TAX MAP SHEET: 55 10.97 ACRE

|              |                          |                |
|--------------|--------------------------|----------------|
| DRWN. BY DP  | DATE OF ISSUE            | SCALE: 1"=100' |
| DSGN BY CJS  | <b>APRIL 30, 2018</b>    | JOB # 2015.063 |
| CHKD. BY ST  | REV 8) FEBRUARY 25, 2022 | DWG # PMUD-OP  |
| APPRD. BY ST |                          | SHEET # 2      |





**REFERENCES:**

- TOWNSHIP OF MONTGOMERY, TAX MAP SHEET #55.
- PLAN ENTITLED "BOUNDARY, TOPOGRAPHIC & UTILITY SURVEY FOR BLOCK 28005 LOTS 65, 68 & 69" PREPARED BY CONTROL LAYOUTS, INC.; JOB #1500-16; DATED APRIL 7, 2017 AND REVISED THROUGH AUGUST 23, 2018.
- PLANS ENTITLED "SANITARY SEWER FORCE MAIN FOR THUL AUTO STORES/VILLAGE SHOPPERS" BLOCK 28001, LOTS 59, 61, 65, 68 AND 69; SITUATED IN MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY; PREPARED BY VAN CLEEF ENGINEERING ASSOCIATES; JOB NO. 08-13-M; DATED 10/20/08.
- SITE PLANS ENTITLED "PRELIMINARY AND FINAL MAJOR SITE PLAN FOR VILLAGE SHOPPER III - BANK SITE" BLOCK 28005, LOT 65; SITUATED IN MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY; PREPARED BY ACT ENGINEERS, INC. JOB NO. 100603-03; DATED 11/17/12, REVISED THROUGH 09/10/13.

**NOTES:**

- ALL BEARINGS ARE BASED ON N.J.S.P.C.S (NAD-83)
- ALL ELEVATIONS ARE BASED ON N.A.V.D. 88.

— AREA OF STEEP SLOPES (>15%) = 60,450 SF

— AREA OF DISTURBED STEEP SLOPES = 31,800 SF

**GRAPHIC SCALE**

( IN FEET )

1 inch = 40 ft.

0 20 40 60 80 100

**REVISIONS**

| NO. | DESCRIPTION           | DATE     |
|-----|-----------------------|----------|
| 1   | COMPLETENESS REVS     | 4/25/18  |
| 2   | COMPLETENESS REVS     | 6/15/18  |
| 3   | TOWNSHIP REVS         | 9/28/18  |
| 4   | TWK COMMENTS          | 4/25/19  |
| 5   | RESOLUTION COMPLIANCE | 9/27/20  |
| 6   | TOWNSHIP REVS         | 02/25/22 |

THIS DRAWING IS FOR PERMIT PURPOSES ONLY. IT IS NOT TO BE USED FOR CONSTRUCTION UNLESS IT IS REVISED AND DATED.

DESIGNED BY: [Signature]

THIS WORK PREPARED UNDER MY MANAGERIAL SUPERVISION.

SCOTT H. TURNER  
PROFESSIONAL ENGINEER  
N.J.P.E.#3811

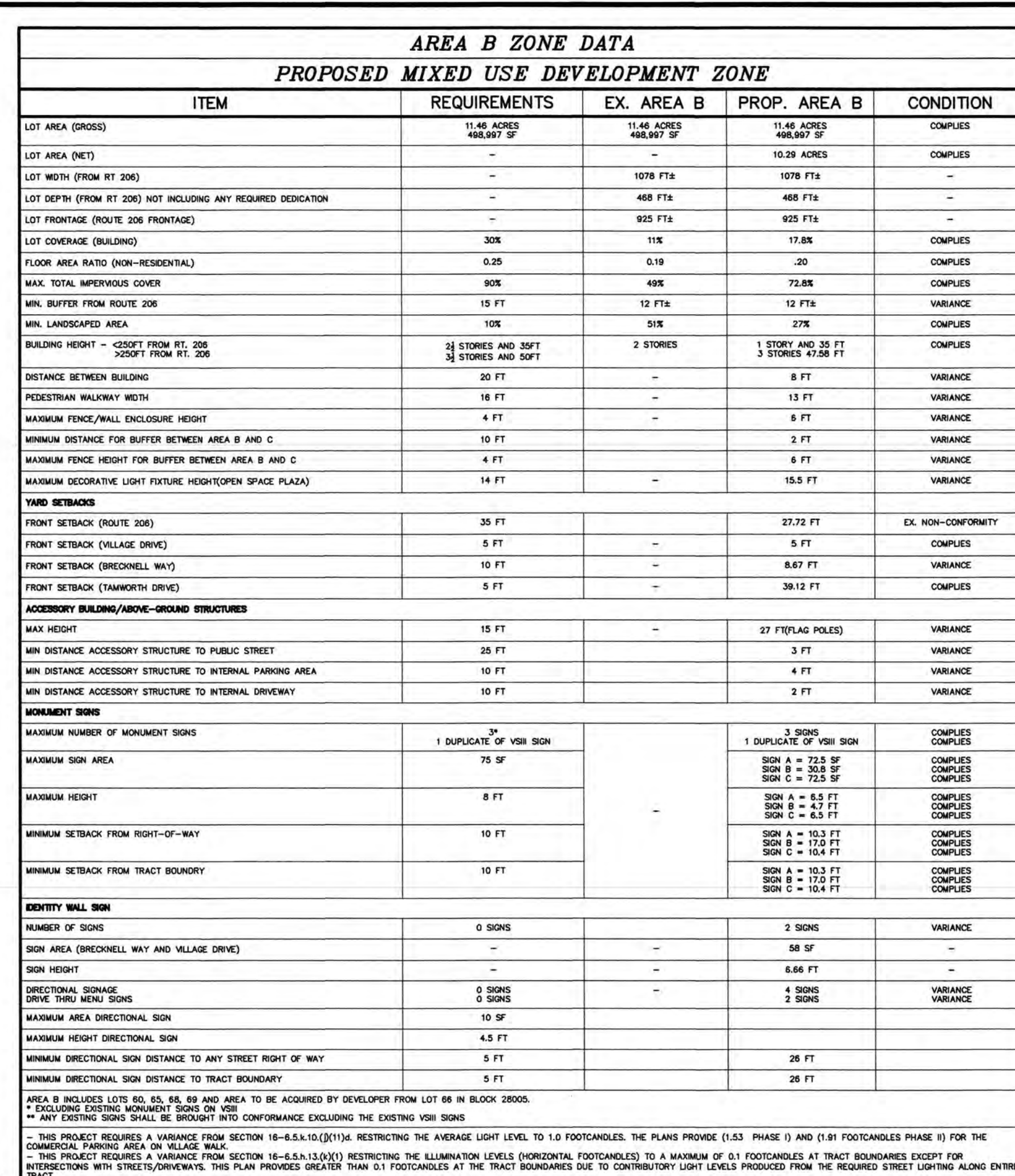
DATE OF ISSUE: MARCH 16, 2018  
REV 6) FEBRUARY 25, 2022

DRWN. BY: NF  
DSGN. BY: CJS  
CHKD. BY: ST  
APPRD. BY: ST

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**VILLAGE WALK at MONTGOMERY**  
MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY  
**EXISTING CONDITIONS PLAN**  
BLOCK 28007 LOTS 1, 2, 3, & 4; BLOCK 28009 LOT 4 TAX MAP SHEET: 55 10.97 ACRES





| STORE ID                  | NUMBER OF SIGNS |          | SIGN AREA (SF) |                                                         | MOUNTED HEIGHT |             |
|---------------------------|-----------------|----------|----------------|---------------------------------------------------------|----------------|-------------|
|                           | PERMITTED       | PROPOSED | PERMITTED      | PROPOSED                                                | PERMITTED      | PROPOSED    |
| <b>MIXED-USE BUILDING</b> |                 |          |                |                                                         |                |             |
| TENANT #1                 | 2               | 1        | 50             | 48                                                      | 22'            | 22'         |
| TENANT #2                 | 2               | 1        | 50             | 48                                                      | 22'            | 22'         |
| TENANT #3                 | 2               | 1        | 50             | 48                                                      | 22'            | 22'         |
| TENANT #4                 | 2               | 1        | 50             | 48                                                      | 22'            | 22'         |
| TENANT #5                 | 2               | 1        | 50             | 50                                                      | 22'            | 22'         |
| TENANT #6                 | 2               | 1        | 50             | 48                                                      | 22'            | 22'         |
| TENANT #7                 | 2               | 1        | 50             | 48                                                      | 22'            | 22'         |
| TENANT #8                 | 2               | 1        | 50             | 48                                                      | 22'            | 22'         |
| TENANT #9                 | 2               | 1        | 50             | 48                                                      | 22'            | 22'         |
| TENANT #10                | 2               | 1        | 50             | 48                                                      | 22'            | 22'         |
| TENANT #11                | 2               | 1        | 50             | 48                                                      | 22'            | 22'         |
| TENANT #12                | 2               | 1        | 50             | 50                                                      | 22'            | 22'         |
| TENANT #13                | 2               | 1        | 50             | 48                                                      | 22'            | 22'         |
| ANCHOR RETAIL BUILDING    | 2               | 2        | 50             | 50                                                      | 22'            | 22'         |
| <b>BUILDING A</b>         |                 |          |                |                                                         |                |             |
| TENANT #1                 | 2               | 2        | 50             | FRONT = 50<br>REAR = 50                                 | 22'            | 22'         |
| TENANT #2                 | 2               | 2        | 50             | FRONT = 50<br>REAR = 50                                 | 22'            | 22'         |
| TENANT #3                 | 2               | 2        | 50             | FRONT = 50<br>REAR = 50                                 | 22'            | 22'         |
| <b>BUILDING B</b>         |                 |          |                |                                                         |                |             |
| TENANT #1                 | 2               | 2        | 50             | FRONT = 50<br>REAR = 50                                 | 22'            | 22'         |
| TENANT #2                 | 2               | 2        | 50             | FRONT = 50<br>REAR = 50                                 | 22'            | 22'         |
| TENANT #3                 | 2               | 2        | 50             | FRONT = 50<br>REAR = 50                                 | 22'            | 22'         |
| <b>BUILDING C</b>         |                 |          |                |                                                         |                |             |
| TENANT #1                 | 2               | *5       | 50             | FRONT = 50<br>FRONT "Z" = 7'<br>SIDE = 20'<br>REAR = 7' | 22'            | 10ft<br>22' |
| <b>BUILDING D</b>         |                 |          |                |                                                         |                |             |
| TENANT #1                 | 2               | 1        | 50             | 48                                                      | 22'            | 22'         |
| TENANT #2                 | 2               | 1        | 50             | 48                                                      | 22'            | 22'         |
| TENANT #3                 | 2               | 1        | 50             | 48                                                      | 22'            | 22'         |
| TENANT #4                 | 2               | 2        | 50             | FRONT = 48<br>SIDE = 49                                 | 22'            | 22'         |

\* VARIANCE REQUESTED

STREET ENCL BLOCK & PACE DESCRIBED IN

WETLAND BUFFER (75%)

30' WETLAND BUFFER (75%)

RECORDED & BOOK FOR 2024 PAGE 9,10

PREPARED FOR SHARBELL PLANNING, INC.

DATE: 12/13/23

ARCH ZONE

| ITEM                                                                                                                                                                         | REQUIRED                                         | PROVIDED                                             | CONDITION |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------------|-----------|
| <b>PARKING</b>                                                                                                                                                               |                                                  |                                                      |           |
| PARKING STALL SIZE                                                                                                                                                           | 5'x10'                                           | 5'x10'                                               | COMPLIES  |
| TWO-STORE PARKING                                                                                                                                                            | ALONG INNER & INTERMEDIATE LOOP ROADS            | 0 SPACES                                             | VARIANCE  |
| <b>BLOCK 28007 LOTS 1, 2, 3 &amp; 4 PARKING</b>                                                                                                                              |                                                  |                                                      |           |
| COMMERCIAL/RETAIL<br>3 SPACES/1,000 SF GFA                                                                                                                                   | 49.024 SF/1,000 X 3 SPACES = 148 SPACES          | 214 SPACES                                           |           |
| RESTAURANT<br>1 SPACE/2 SEATS                                                                                                                                                | 331 SEATS / 3 SEATS/SPACE = 107 SPACES           |                                                      |           |
| RESIDENTIAL UNITS<br>1.5 SPACES/UNIT                                                                                                                                         |                                                  |                                                      |           |
| (12) STUDIO UNITS                                                                                                                                                            |                                                  |                                                      |           |
| (24) 1-BEDROOM UNITS                                                                                                                                                         | 1.5 SPACES X 32 UNITS = 78 SPACES<br>(SEE NOTES) | 80 SPACES                                            |           |
| (18) 2-BEDROOM UNITS                                                                                                                                                         |                                                  |                                                      |           |
| (5) 3-BEDROOM UNITS                                                                                                                                                          |                                                  |                                                      |           |
| BLOCK 28007 LOTS 1, 2, 3 & 4 PARKING TOTAL                                                                                                                                   | 333 SPACES                                       | 314 SPACES                                           |           |
| <b>BLOCK 28008 LOT 4 PARKING<br/>(VILLAGE SHOPS II)</b>                                                                                                                      |                                                  |                                                      |           |
| COMMERCIAL/RETAIL<br>3 SPACES/1,000 SF GFA                                                                                                                                   | 18.972 SF/1,000 SF X 3 SPACES = 57 SPACES        |                                                      |           |
| RESTAURANT<br>1 SPACE/2 SEATS                                                                                                                                                | 261 SEATS / 3 SEATS/SPACE = 87 SPACES            | 163 SPACES                                           |           |
| OFFICE<br>5 SPACES/1,000 SF GFA                                                                                                                                              | 7.004 SF/1,000 X 5 SPACES = 36 SPACES            |                                                      |           |
| BLOCK 28008 LOT 4 PARKING TOTAL                                                                                                                                              | 189 SPACES                                       | 163 SPACES                                           |           |
| TOTAL PARKING SPACES                                                                                                                                                         | 523 SPACES                                       | 477 SPACES                                           | -         |
| BLOCK 28009 LOT 4 LANDSCAPED                                                                                                                                                 |                                                  | 65 SPACES<br>(28 TO BE LANDSCAPED,<br>NET 37 SPACES) |           |
| TOTAL PARKING WITH LANDSCAPED                                                                                                                                                | 513 SPACES                                       | 512 SPACES                                           | COMPLIES  |
| <b>PARKING SETBACKS:</b>                                                                                                                                                     |                                                  |                                                      |           |
| FROM RT. 202                                                                                                                                                                 | 10 FT                                            | 12.00 FT                                             | VARIANCE  |
| FROM HILLADE DRIVE                                                                                                                                                           | 4 FT                                             | 6.13 FT                                              | COMPLIES  |
| FROM BRECKENELL WAY                                                                                                                                                          | 5 FT                                             | 4.24 FT                                              | VARIANCE  |
| FROM TAYMOUTH DRIVE                                                                                                                                                          | 5 FT                                             | 2.86 FT                                              | VARIANCE  |
| NOTE: IN ACCORDANCE WITH N.J.A.C. 5:21-1.5(c), R.E.S. PARKING REQUIREMENTS DO NOT APPLY WHERE RESIDENTIAL AND COMMERCIAL DEVELOPMENT ARE PLANNED IN A MIXED-USE DEVELOPMENT. |                                                  |                                                      |           |

N.A.D. 88 DATUM TO BE VERIFIED BY PROFESSIONAL SURVEYOR.

4. ALL CONSTRUCTION IS TO BE PERFORMED IN STRICT CONFORMANCE WITH ALL APPLICABLE TOWNSHIPS, COUNTY, STATE AND/OR ANY OTHER GOVERNING BODY'S STANDARDS.

5. THE CONTRACT DRAWINGS INDICATE THE APPROXIMATE LOCATION OF EXISTING SUBSURFACE UTILITIES IN THE VICINITY OF THE PROJECT AND ARE NOT GUARANTEED FOR ACCURACY AND/OR COMPLETENESS. CONTRACTOR TO VERIFY DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. ANY DISCREPANCIES OR CONFLICTS WITH THE CONTRACT DRAWINGS ARE TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. ALL EXISTING UTILITIES THAT ARE TO BE RELOCATED OR ALTERED IN ANY MANNER ARE TO BE RELOCATED AND/OR ALTERED IN STRICT CONFORMANCE WITH ALL APPLICABLE TOWNSHIP, COUNTY, STATE AND/OR ANY OTHER GOVERNING BODY'S STANDARDS. ALL EXISTING UTILITIES TO BE SUPPORTED UNDER A BACKFILL IS IN PLACE, ANY CROSSINGS LESS THAN ONE FOOT CLEAR TO BE SUPPORTED WITH A SADDLE (CONCRETE OR SAND AS NOTED).

6. DESIGN AND INSTALLATION OF ELECTRIC, GAS, TELEPHONE AND CABLE TV TO BE PROVIDED BY RESPECTIVE UTILITY COMPANIES.

7. ALL DRAINAGE TO BE REINFORCED CONCRETE PIPE CLASS III - WALL B UNLESS OTHERWISE NOTED. ALL SANITARY PIPES TO BE SDR-35 UNLESS OTHERWISE NOTED. ALL OTHER PIPES TO BE SDR-35 UNLESS OTHERWISE NOTED.

8. WATERLINE AND SANITARY SEWER TO BE A MINIMUM OF TEN (10) FEET APART HORIZONTALLY AND EIGHTEEN (18) INCHES VERTICALLY UNLESS OTHERWISE NOTED.

9. WATERLINES TO HAVE A MINIMUM OF FOUR (4) FEET COVER.

10. CONSTRUCTION MATERIALS AND METHODS NOT OTHERWISE SPECIFIED OR SHOWN HEREIN SHALL CONFORM TO NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (THE LATEST EDITION AND AMENDMENTS).

11. FOR SPECIFIC BUILDING DETAILS SEE ARCHITECTURAL DRAWINGS.

12. SITE GRADING AND UTILITY WORK ARE TO BE PERFORMED IN A MANNER TO MINIMIZE DAMAGE TO EXISTING VEGETATION AND TREES. ALL AREAS NOT AFFECTED BY CONSTRUCTION ARE TO REMAIN NATURAL AND UNDISTURBED.

13. ALL EXISTING OR PROJECT GENERATED DEBRIS IS TO BE REMOVED AND PROPERLY DISPOSED ACCORDING TO ALL APPLICABLE REGULATIONS.

14. TOPSOIL THAT HAS BEEN REMOVED FOR THE GRADING OF THE SITE SHALL NOT BE USED AS FILL. THE TOPSOIL SHALL BE REDISTRIBUTED ON GREEN AREAS SO AS TO PROVIDE A MINIMUM OF AT LEAST SIX (6) INCHES OF COVER ON THOSE AREAS.

15. SIDE SLOPES TO BE GRADED AT A MAXIMUM OF 3:1.

16. COMPACTION IN FILL AREAS BENEFIT ALL PROPOSED UTILITIES AND STRUCTURES SHOULD MEET ALL MANUFACTURES AND TOWNSHIP REQUIREMENTS AND BE EQUAL TO THE MINIMUM SPECIFIED PROCTOR DENSITY.

17. NO ON-SITE SOIL TESTING HAS BEEN PERFORMED ON THIS PROJECT BY THE DESIGN ENGINEER. IT SHALL BE THE OWNER AND/OR CONTRACTORS RESPONSIBILITY TO CONDUCT SOIL TESTING TO CONFIRM APPLICABILITY OF PROPOSED IMPROVEMENTS AND CONSTRUCTION METHODS.

18. ADEQUACY OF WATER SUPPLY SYSTEM FOR FIRE PROTECTION HAS NOT BEEN CONFIRMED WITH RESPECTIVE WATER SUPPLIER OR INSURANCE COMPANY. WATER SUPPLY SYSTEM TO BE REVIEWED AND APPROVED BY THE ARCHITECT AND WATER COMPANY PRIOR TO CONSTRUCTION OR ORDERING.

19. THE APPLICANT SHALL BE RESPONSIBLE FOR THE INSTALLATION OF STREET LIGHTING FACILITIES AS DESIGNED AND INSTALLED BY THE ARCHITECT AND APPROVED BY THE BOARD OF SUPERVISORS AND IN ACCORDANCE WITH ALL APPLICABLE STANDARDS AND SPECIFICATIONS. STREET LIGHTING SHALL BE APPROPRIATELY SHIELDED TO AVOID GLARE INTO NEARBY HOMES. LIGHTING PLANS TO BE SUBMITTED TO THE BOARD OF SUPERVISORS FOR REVIEW AND APPROVAL.

20. SANITARY SEWER DESIGN (N.A.D. 7-146-2346-03/04N).

21. SEWERS CONVEYING SANITARY FLOW, COMBINED SANITARY AND STORM WATER FLOW, OR INDUSTRIAL FLOW SHALL BE SEPARATED FROM WATER MAINS BY A DISTANCE OF AT LEAST TEN (10) FEET HORIZONTALLY. IF SUCH LATERAL SEPARATION IS NOT POSSIBLE, THE PIPES SHALL BE IN SEPARATE TRENCHES WITH THE SEWERS AT LEAST EIGHTEEN (18) INCHES BELOW THE BOTTOM OF THE WATER MAIN, OR SUCH OTHER SEPARATION AS APPROVED BY THE DEPARTMENT.

22. WHERE APPROPRIATE SEPARATION FROM A WATER MAIN IS NOT POSSIBLE, THE SEWER SHALL BE ENCASED IN CONCRETE (OR COMBUSTION PROTECTED DUCTILE IRON PIPE USING MECHANICAL OR SLIP-ON JOINTS FOR A DISTANCE OF AT LEAST TEN (10) FEET ON EACH SIDE OF THE CROSSING). THE SEWER SHALL BE INSTALLED AT LEAST SIX (6) INCHES ABOVE THE WATER MAIN AS FAR FROM THE WATER LINE AS POSSIBLE, WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWER SHALL BE PROVIDED. THE DEPARTMENT MAY ALSO REQUIRE ADDITIONAL STRUCTURAL SUPPORT FOR STORM SEWERS OVER SEWER LINES.

23. ALL PROPOSED SANITARY SEWER THAT ARE NOT LOCATED WITHIN PAVED AREAS SHALL BE SUPPLIED WITH MARKING TAPE ABOVE THE

12. TOPSOIL THAT HAS BEEN REMOVED FOR THE GRADING OF THE SITE SHALL NOT BE USED AS SPILL. THE TOPSOIL SHALL BE REDISTRIBUTED ON GREEN AREAS SO AS TO PROVIDE A MINIMUM OF AT LEAST SIX (6) INCHES OF COVER ON THOSE AREAS.

13. SIDE SLOPES TO BE GRADED AT A MAXIMUM OF 3:1.

14. COMPACTION IN FILL AREAS BENEATH ALL PROPOSED UTILITIES AND STRUCTURES SHOULD MEET ALL MANUFACTURES AND TOWNSHIP REQUIREMENTS AND BE EQUAL TO THE MINIMUM PERMEX MODIFIED PROCTOR DENSITY.

15. NO ON-SITE SOIL TESTING HAS BEEN PERFORMED ON THIS PROJECT BY THE DESIGN ENGINEER. IT SHALL BE THE OWNER AND/OR CONTRACTOR'S RESPONSIBILITY TO CONDUCT THE NECESSARY TESTING AND IDENTIFICATION OF PROPOSED IMPROVEMENTS AND CONSTRUCTION TECHNIQUES WITH RESPECT TO SUBSURFACE SOIL AND GROUNDWATER CONDITIONS.

16. ADEQUACY OF WATER SUPPLY SYSTEM FOR FIRE PROTECTION HAS NOT BEEN CONFIRMED WITH RESPECTIVE WATER SUPPLIER OR INSURANCE COMPANY. WATER SUPPLY SYSTEM TO BE REVIEWED AND APPROVED BY THE ARCHITECT AND WATER COMPANY PRIOR TO CONSTRUCTION.

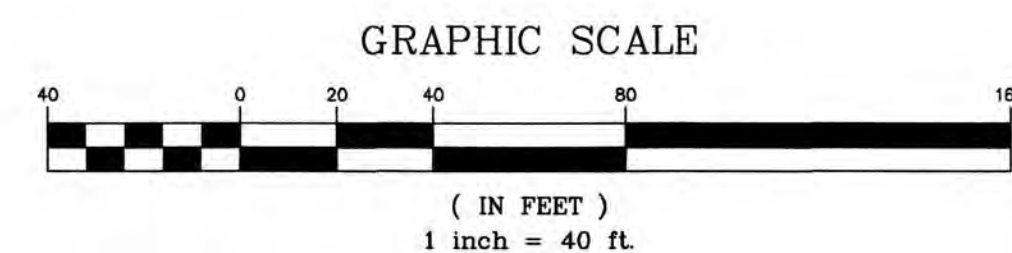
17. THE APPLICANT SHALL BE RESPONSIBLE FOR THE INSTALLATION OF STREET LIGHTING FACILITIES AS DESIGNED AND INSTALLED BY RESPECTIVE COMPANY, AS APPROVED BY THE PLANNING BOARD, AND IN ACCORDANCE WITH ALL APPLICABLE STANDARDS AND SPECIFICATIONS. STREET LIGHTING SHALL BE APPROPRIATELY SHIELDED TO AVOID GLARE INTO NEARBY HOMES. LIGHTING PLANS TO BE SUBMITTED TO BOARD OF SUPERVISORS FOR REVIEW AND APPROVAL.

18. SANITARY SEWER DESIGN (IN I.A.C. 7.1-16-2-33-63 AND 7.1-16-2-33-64)

SEWERS CONVEYING SANITARY FLOW, COMBINED SANITARY AND STORM WATER FLOW, OR INDUSTRIAL FLOW SHALL BE SEPARATED FROM WATER MAINS BY A DISTANCE OF AT LEAST TEN (10) FEET HORIZONTALLY; IF SUCH LATERAL SEPARATION IS NOT POSSIBLE, THE PIPE SHALL BE SEPARATED VERTICALLY BY AT LEAST EIGHTEEN (18) INCHES BELOW THE BOTTOM OF THE WATER MAIN, OR SUCH OTHER SEPARATION AS APPROVED BY THE DEPARTMENT.

WHERE APPROPRIATE SEPARATION FROM A WATER MAIN IS NOT POSSIBLE, THE SEWER SHALL BE ENCASED IN CONCRETE, OR THE WATER MAIN SHALL BE ENCASED IN CONCRETE. THE CONCRETE ENCASEMENT SHALL BE AT LEAST TEN (10) FEET FROM EITHER SIDE OF THE CROSSING. IN ADDITION, ONE FULL LENGTH OF SEWER PIPE SHOULD BE LOCATED SO BOTH JOINTS WILL BE ON THE SAME SIDE OF THE WATER LINE AS POSSIBLE. WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWER SHALL BE PROVIDED TO PREVENT ANY DAMAGE TO THE SEWER.

ALL PROPOSED SANITARY SEWER THAT ARE NOT LOCATED WITHIN PAVED AREAS BE SUPPLIED WITH MARKING TAPE ABOVE THE SURFACE.

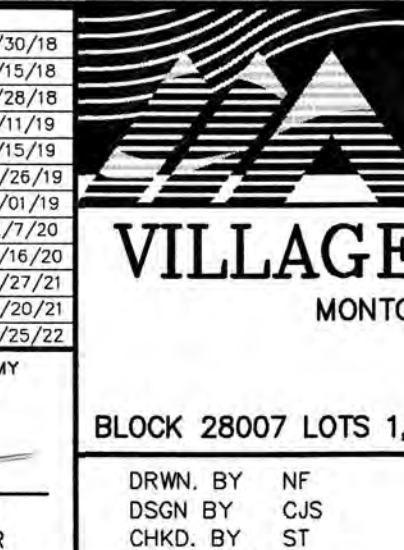


THIS DRAWING IS FOR PERMIT PURPOSES  
ONLY - NOT FOR CONSTRUCTION UNTIL  
THIS BOX HAS BEEN CHECKED AND DATED.

| REVISIONS |                       |    |
|-----------|-----------------------|----|
| 1)        | COMPLETENESS REVS     | 4/ |
| 2)        | COMPLETENESS REVS     | 6/ |
| 3)        | TOWNSHIP REVS         | 9/ |
| 4)        | TWA SUBMISSION        | 2/ |
| 5)        | RESOLUTION COMPLIANCE | 3/ |
| 6)        | OWNER REVS            | 07 |
| 7)        | RESOLUTION COMPLIANCE | 11 |
| 8)        | RESOLUTION COMPLIANCE | 02 |
| 9)        | RESOLUTION COMPLIANCE | 07 |
| 10)       | OWNER REVS            | 01 |
| 11)       | OWNER REVS            | 09 |
| 12)       | TOWNSHIP REVS         | 02 |

THIS WORK PREPARED UNDER THE  
IMMEDIATE SUPERVISION OF:

*[Signature]*  
SCOTT H. TURNER  
PROFESSIONAL ENGINEER



**MENLO ENGINEERING ASSOCIATES, INC.**  
CIVIL ENGINEERS, LAND SURVEYORS AND PROFESSIONAL PLANNERS  
261 CLEVELAND AVE. HIGHLAND PARK, NEW JERSEY 08904  
PHONE: (732) 846-8585 FAX: (732) 846-9439  
CERTIFICATE OF AUTHORIZATION: 24627591600

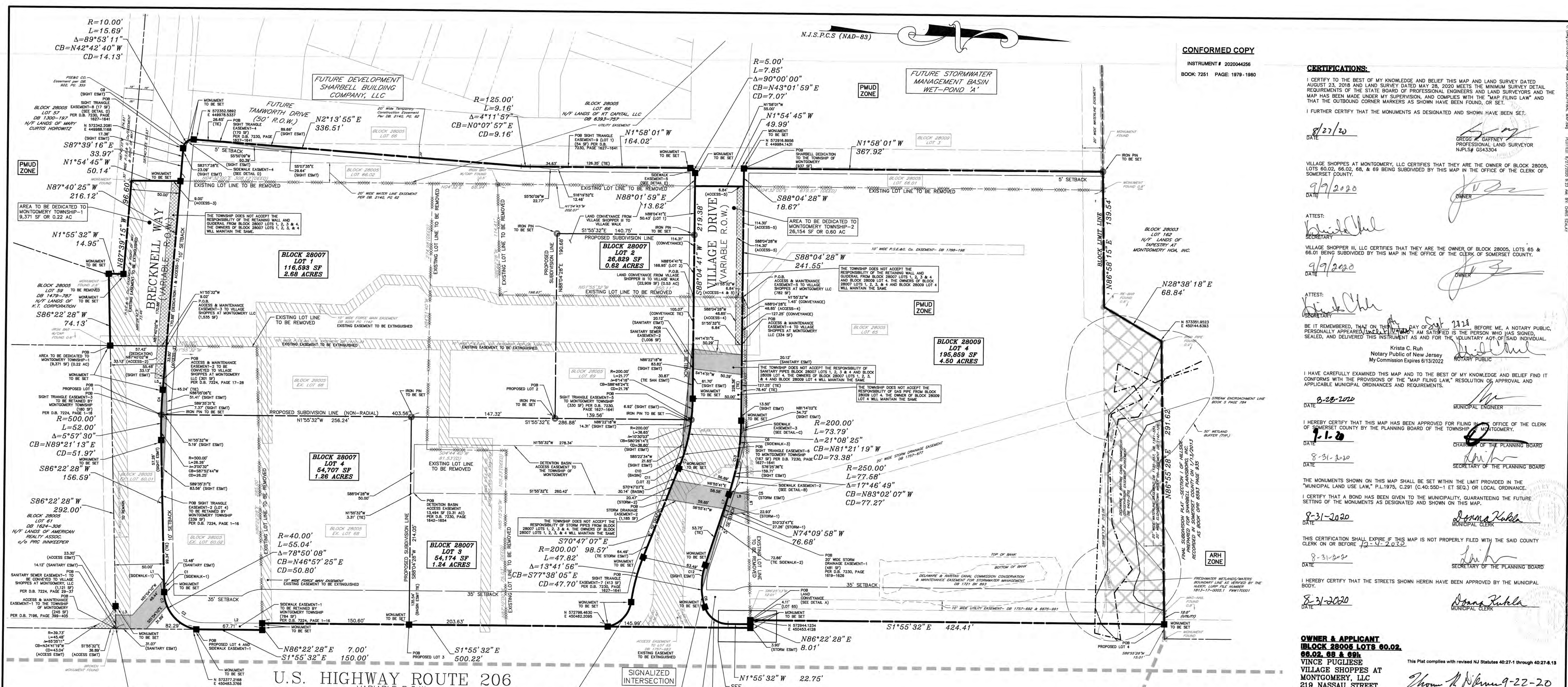
**E. WALK at MONTGOMERY**  
MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY

**OVERALL PLAN**

2, 3, & 4; BLOCK 28009 LOT 4 TAX MAP SHEET:55 10.97 ACRES

|                                 |                   |
|---------------------------------|-------------------|
| DATE OF ISSUE<br>MARCH 16, 2018 | SCALE:<br>1"=40'  |
| REV 1 03/16/2018 0002           | JWB<br>03/16/2018 |

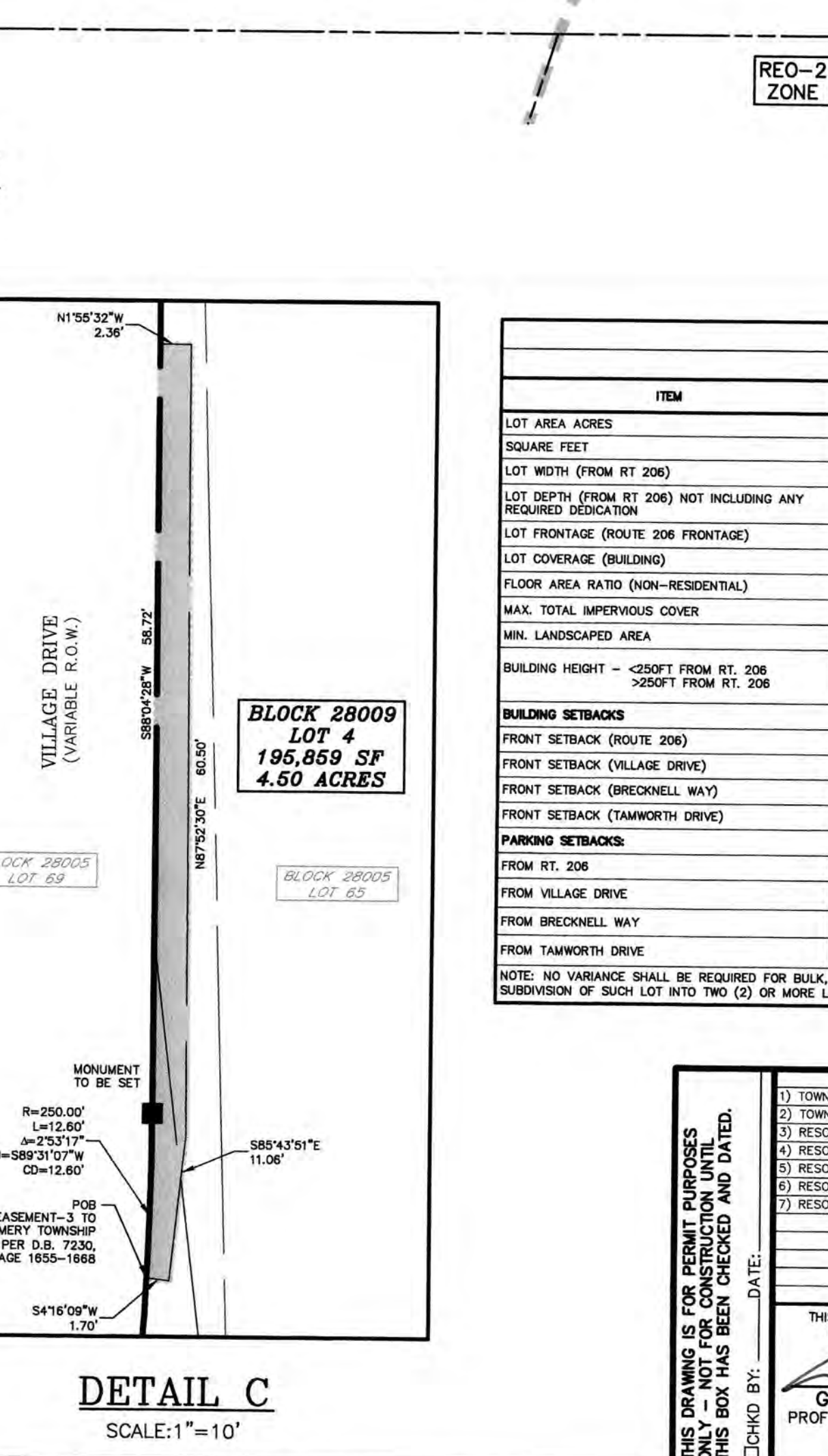
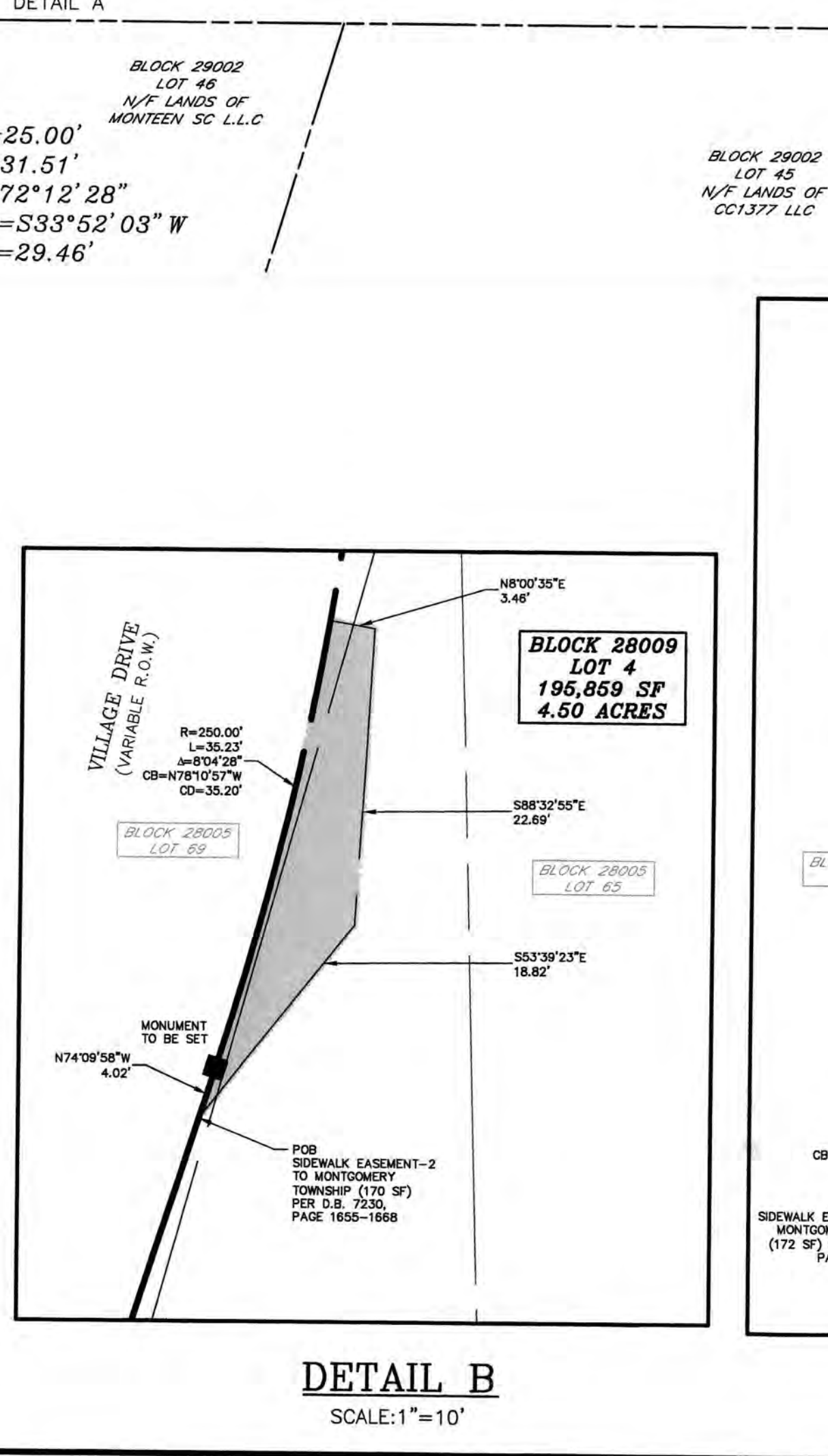
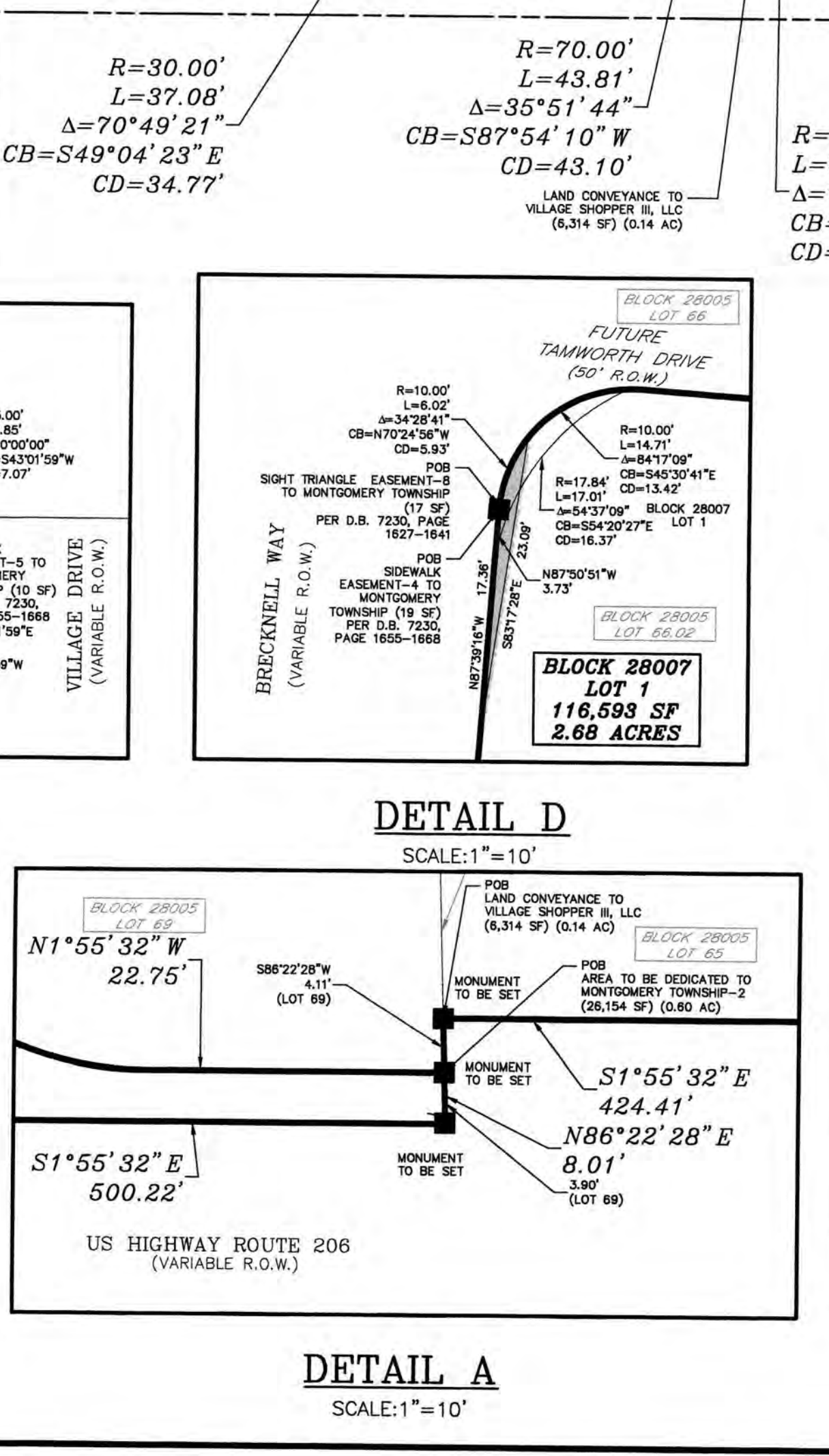
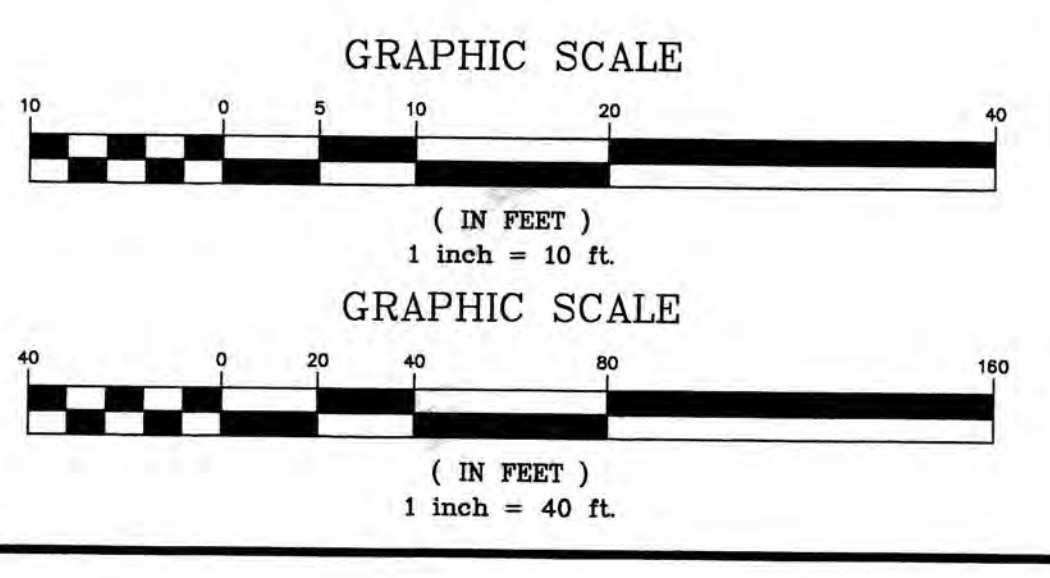




| Line Table |        |              |
|------------|--------|--------------|
| Line #     | Length | Direction    |
| L1         | 16.79' | S88°22'28"W  |
| L2         | 59.84' | N1°50'02"W   |
| L3         | 17.24' | N1°50'32"W   |
| L4         | 11.44' | N87°40'25"W  |
| L5         | 8.00'  | S71°09'08"W  |
| L6         | 16.37' | S74°09'08"W  |
| L7         | 19.36' | N102°24'47"W |
| L8         | 20.69' | N88°22'28"E  |

| CURVE TABLE |         |           |        |               |
|-------------|---------|-----------|--------|---------------|
| TAG         | RADIUS  | DELTA     | LENGTH | CHORD BEARING |
| C1          | 120.35' | 91°50'37" | 16.43' | N77°22'03"E   |
| C2          | 38.35'  | 74°40'52" | 51.29' | N35°24'13"E   |
| C3          | 40.00'  | 30°00'00" | 14.36' | N75°07'50"E   |
| C4          | 500.00' | 2°56'56"  | 25.74' | N89°06'37"W   |
| C5          | 250.00' | 1°07'28"  | 4.91'  | S74°42'27"E   |
| C6          | 250.00' | 14°53'31" | 64.88' | N81°35'28"W   |
| C7          | 200.00' | 42°40'06" | 15.36' | N72°58'10"W   |
| C8          | 70.00'  | 14°41'45" | 17.95' | S77°18'10"W   |
| C9          | 10.00'  | 34°28'41" | 8.02'  | N70°24'58"W   |
| C10         | 200.00' | 41°36'29" | 23.01' | N74°04'57"W   |
| C11         | 200.00' | 14°54'04" | 32.02' | S76°14'11"E   |
| C12         | 70.00'  | 21°09'59" | 25.86' | S84°44'58"E   |
| C13         | 250.00' | 14°19'29" | 62.50' | N84°45'47"W   |

- REFERENCES:**
- TOWNSHIP OF MONTGOMERY, TAX MAP SHEET #55.
  - PLAN ENTITLED "BOUNDARY, TOPOGRAPHIC & UTILITY SURVEY FOR BLOCK 28005 LOTS 65, 68 & 69" PREPARED BY CONTROL LAYOUTS, INC.; JOB #1500-16; DATED APRIL 7, 2017 AND REVISED THROUGH AUGUST 23, 2018.
  - PLANS ENTITLED "SANITARY SEWER FORCE MAIN FOR THUL AUTO STORES/VILLAGE SHOPPERS" BLOCK 28001, LOTS 59, 61, 65, 68 AND 69; SITUATED IN MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY; PREPARED BY VAN CLEEF ENGINEERING ASSOCIATES; JOB NO. 08-13-M; DATED 10/20/08.
  - SITE PLANS ENTITLED "PRELIMINARY AND FINAL MAJOR SITE PLAN FOR VILLAGE SHOPPER III - BANK SITE" BLOCK 28005, LOT 65; SITUATED IN MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY; PREPARED BY ACT ENGINEERS, INC. JOB NO. 100603-03; DATED 11/17/12, REVISED THROUGH 09/10/13.
  - PLAN ENTITLED "SHARRELL DEVELOPMENT-BLOCK 28005, LOT 66 - MAJOR SUBDIVISION" PREPARED BY DYNAMIC SURVEY, LLC; JOB #0043-14-0155; DATED JANUARY 16, 2018 AND REVISED THROUGH APRIL 19, 2018.
  - PLAN ENTITLED "BOUNDARY SURVEY FOR BLOCK 28005 LOT 60" PREPARED BY CONTROL LAYOUTS, INC.; JOB #1500-16; DATED MAY 28, 2020.
  - PLAN ENTITLED "BOUNDARY SURVEY FOR BLOCK 28005 LOT 60" PREPARED BY CONTROL LAYOUTS, INC.; JOB #1500-16; DATED MAY 28, 2020.



**OWNER & APPLICANT**  
**BLOCK 28005 LOTS 60, 62, 68, 69**  
**68.02, 68 & 69**  
VINCE PUGLIESE  
VILLAGE SHOPPERS AT  
MONTGOMERY, LLC  
219 NASSAU STREET  
PRINCETON, NJ 08542  
(609) 356-0279

**OWNER**  
**BLOCK 28005 LOTS 65 & 66.01**  
VINCE PUGLIESE  
VILLAGE SHOPPER III, LLC  
219 NASSAU STREET  
PRINCETON, NJ 08542  
(609) 356-0279

**ZONE DATA**

| ITEM                                                           | REQUIREMENTS       | BLOCK 28007          | BLOCK 28007          | BLOCK 28007          | BLOCK 28007          |
|----------------------------------------------------------------|--------------------|----------------------|----------------------|----------------------|----------------------|
| LOT AREA ACRES                                                 | 4.51 ACRES         | 0.62 ACRES           | 1.24 ACRES           | 1.28 ACRES           | 4.50 ACRES           |
| LOT AREA S.F.                                                  | 186,249 S.F.       | 116,993 S.F.         | 54,714 S.F.          | 54,707 S.F.          | 186,899 S.F.         |
| LOT WIDTH (FROM RT. 206)                                       | 384 FT.            | 268.00 FT.           | 219 FT.              | 252 FT.              | 359 FT.              |
| LOT DEPTH (FROM RT. 206) NOT INCLUDING ANY REQUIRED DEDICATION | 281 FT.            | 190.6 FT.            | 214 FT.              | 214 FT.              | 487 FT.              |
| LOT FRONTAGE (FROM RT. 206)                                    | 384 FT.            | 219 FT.              | 214 FT.              | 214 FT.              | 487 FT.              |
| LOT COVERAGE (BUILDING)                                        | 30%                | N/A                  | 20%                  | 22%                  | 45%                  |
| FLORAL AREA RATIO (NON-RESIDENTIAL)                            | 0.25               | 44.7%                | 21.2%                | 17.0%                | 15.1%                |
| MAX. TOTAL IMPERVIOUS COVER                                    | 60%                | 61%                  | 60%                  | 61%                  | 61%                  |
| MIN. LANDSCAPED AREA                                           | 10%                | 11%                  | 9.5%                 | 23%                  | 26.6%                |
| BUILDING HEIGHT - <20 FT FROM RT. 206                          | 24 STORIES - 35 FT | >250 FT FROM RT. 206 | >250 FT FROM RT. 206 | >250 FT FROM RT. 206 | >250 FT FROM RT. 206 |
| BUILDING HEIGHT - >20 FT FROM RT. 206                          | 34 STORIES - 50 FT | 3-STORIES - 47.58 FT | 1-STORY - 37.6 FT    | 1-STORY - 35 FT      | 1-STORY - 35 FT      |
| FRONT SETBACK (ROUTE 206)                                      | 35 FT              | N/A                  | 45.54 FT             | 38.09 FT             | 27.72 FT             |
| FRONT SETBACK (VILLAGE DRIVE)                                  | 5 FT               | N/A                  | 5.00 FT              | N/A                  | 48.01 FT             |
| FRONT SETBACK (BRECKNELL WAY)                                  | 10 FT              | 8.48 FT              | N/A                  | 23.67 FT             | N/A                  |
| FRONT SETBACK (TAMMORWAY DRIVE)                                | 5 FT               | 39.32 FT             | N/A                  | N/A                  | 104.07 FT            |
| PARKING SETBACKS                                               |                    |                      |                      |                      |                      |
| FROM RT. 206                                                   | 15 FT              | 228.05 FT            | 228.05 FT            | 122.05 FT            | 71.94 FT             |
| FROM VILLAGE DRIVE                                             | 4 FT               | 136.89 FT            | 6.28 FT              | 6.34 FT              | 6.13 FT              |
| FROM BRECKNELL WAY                                             | 5 FT               | 4.24 FT              | 367.17 FT            | 101.50 FT            | N/A                  |
| FROM TAMMORWAY DRIVE                                           | 5 FT               | 3.28 FT              | 271.97 FT            | 262.84 FT            | 16.04 FT             |

NOTE: NO VARIANCE SHALL BE REQUIRED FOR BLOCK DESIGN AND BUFFER REQUIREMENTS ON A LOT DEVELOPED WITH USES PERMITTED UNDER SUBSECTION 16-4.16 WHERE THE NEED FOR SUCH VARIANCE IS CAUSED SOLELY BY A SUBDIVISION OF SUCH LOT INTO TWO (2) OR MORE LOTS FOR FINANCING OF SUCH USES.

**REVISIONS**

| NO. | DESCRIPTION            | DATE     |
|-----|------------------------|----------|
| 1   | TOWNSHIP/PLAT REVISION | 9/28/15  |
| 2   | TOWNSHIP/PLAT REVISION | 02/28/16 |
| 3   | RESOLUTION COMPLIANCE  | 03/15/16 |
| 4   | RESOLUTION COMPLIANCE  | 03/15/16 |
| 5   | RESOLUTION COMPLIANCE  | 02/07/20 |
| 6   | RESOLUTION COMPLIANCE  | 02/07/20 |
| 7   | RESOLUTION COMPLIANCE  | 09/24/20 |

THIS WORK PREPARED UNDER MY IMMEDIATE SUPERVISION

THIS DRAWING IS FOR PERMIT PURPOSES ONLY. THIS DRAWING HAS BEEN CHECKED AND DATED: 8/27/20

DATE: 8/27/20

DATE: 9/7/2020

DATE: 9/28/2020

DATE: 8-31-2020

DATE: 8-31-2020

DATE: 8-31-2020

**CONFORMED COPY**

INSTRUMENT # 2020044256

BOOK 7251 PAGE 1979-1980

**CERTIFICATIONS:**

I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP AND LAND SURVEY DATED AUGUST 23, 2018 AND LAND SURVEY DATED MAY 28, 2020 MEETS THE MINIMUM SURVEY DETAIL REQUIREMENTS OF THE STATE BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND THE MAP HAS BEEN MADE UNDER MY SUPERVISION, AND COMPLIES WITH THE "MAP FLING LAW" AND THAT THE OUTBOUND CORNER MARKERS AS SHOWN HAVE BEEN FOUND, OR SET.

I FURTHER CERTIFY THAT THE MONUMENTS AS DESIGNATED AND SHOWN HAVE BEEN SET.

DATE: 8/27/20

DATE: 9/7/2020

DATE: 9/28/2020

DATE: 8-31-2020

DATE: 8-31-2020

DATE: 8-31-2020

**OWNER & APPLICANT**  
**BLOCK 28005 LOTS 60, 62, 68, 69**  
**68.02, 68 & 69**  
VINCE PUGLIESE  
VILLAGE SHOPPERS AT  
MONTGOMERY, LLC  
219 NASSAU STREET  
PRINCETON, NJ 08542  
(609) 356-0279

**OWNER**  
**BLOCK 28005 LOTS 65 & 66.01**  
VINCE PUGLIESE  
VILLAGE SHOPPER III, LLC  
219 NASSAU STREET  
PRINCETON, NJ 08542  
(609) 356-0279

**ZONE DATA**

| ITEM                                                           | REQUIREMENTS       | BLOCK 28007          | BLOCK 28007          | BLOCK 28007          | BLOCK 28007          |
|----------------------------------------------------------------|--------------------|----------------------|----------------------|----------------------|----------------------|
| LOT AREA ACRES                                                 | 4.51 ACRES         | 0.62 ACRES           | 1.24 ACRES           | 1.28 ACRES           | 4.50 ACRES           |
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| LOT WIDTH (FROM RT. 206)                                       | 384 FT.            | 268.00 FT.           | 219 FT.              | 252 FT.              | 359 FT.              |
| LOT DEPTH (FROM RT. 206) NOT INCLUDING ANY REQUIRED DEDICATION | 281 FT.            | 190.6 FT.            | 214 FT.              | 214 FT.              | 487 FT.              |
| LOT FRONTAGE (FROM RT. 206)                                    | 384 FT.            | 219 FT.              | 214 FT.              | 214 FT.              | 487 FT.              |
| LOT COVERAGE (BUILDING)                                        | 30%                | N/A                  | 20%                  | 22%                  | 45%                  |
| FLORAL AREA RATIO (NON-RESIDENTIAL)                            | 0.25               | 44.7%                | 21.2%                | 17.0%                | 15.1%                |
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| FROM BRECKNELL WAY                                             | 5 FT               | 4.24 FT              | 367.17 FT            | 101.50 FT            | N/A                  |
| FROM TAMMORWAY DRIVE                                           | 5 FT               | 3.28 FT              | 271.97 FT            | 262.84 FT            | 16.04 FT             |

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**REVISIONS**

| NO. | DESCRIPTION            | DATE     |
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| 6   | RESOLUTION COMPLIANCE  | 02/07/20 |
| 7   | RESOLUTION COMPLIANCE  | 09/24/20 |

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DATE: 8-31-2020

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**OWNER & APPLICANT**  
**BLOCK 28005 LOTS 60, 62, 68, 69**  
**68.02, 68 & 69**  
VINCE PUGLIESE  
VILLAGE SHOPPERS AT  
MONTGOMERY, LLC  
219 NASSAU STREET  
PRINCETON, NJ 08542  
(609) 356-0279

**OWNER**  
**BLOCK 28005 LOTS 65 & 66.01**  
VINCE PUGLIESE  
VILLAGE SHOPPER III, LLC  
219 NASSAU STREET  
PRINCETON, NJ 08542  
(609) 356-0279

**ZONE DATA**

| ITEM                                                           | REQUIREMENTS       | BLOCK 28007          | BLOCK 28007          | BLOCK 28007          | BLOCK 28007          |
|----------------------------------------------------------------|--------------------|----------------------|----------------------|----------------------|----------------------|
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| MAX. TOTAL IMPERVIOUS COVER                                    | 60%                | 61%                  | 60%                  | 61%                  | 61%                  |
| MIN. LANDSCAPED AREA                                           | 10%                | 11%                  | 9.5%                 | 23%                  | 26.6%                |
| BUILDING HEIGHT - <20 FT FROM RT. 206                          | 24 STORIES - 35 FT | >250 FT FROM RT. 206 | >250 FT FROM RT. 206 | >250 FT FROM RT. 206 | >250 FT FROM RT. 206 |
| BUILDING HEIGHT - >20 FT FROM RT. 206                          | 34 STORIES - 50 FT | 3-STORIES - 47.58 FT | 1-STORY - 37.6 FT    | 1-STORY - 35 FT      | 1-STORY - 35 FT      |
| FRONT SETBACK (ROUTE 206)                                      | 35 FT              | N/A                  | 45.54 FT             | 38.09 FT             | 27.72 FT             |
| FRONT SETBACK (VILLAGE DRIVE)                                  | 5 FT               | N/A                  | 5.00 FT              | N/A                  | 48.01 FT             |
| FRONT SETBACK (BRECKNELL WAY)                                  | 10 FT              | 8.48 FT              | N/A                  | 23.67 FT             | N/A                  |
| FRONT SETBACK (TAMMORWAY DRIVE)                                | 5 FT               | 39.32 FT             | N/A                  | N/A                  | 104.07 FT            |
| PARKING SETBACKS                                               |                    |                      |                      |                      |                      |
| FROM RT. 206                                                   | 15 FT              | 228.05 FT            | 228.05 FT            | 122.05 FT            | 71.94 FT             |
| FROM VILLAGE DRIVE                                             | 4 FT               | 136.89 FT            | 6.28 FT              | 6.34 FT              | 6.13 FT              |
| FROM BRECKNELL WAY                                             | 5 FT               | 4.24 FT              | 367.17 FT            | 101.50 FT            | N/A                  |
| FROM TAMMORWAY DRIVE                                           | 5 FT               | 3.28 FT              | 271.97 FT            | 262.84 FT            | 16.04 FT             |

NOTE: NO VARIANCE SHALL BE REQUIRED FOR BLOCK DESIGN AND BUFFER REQUIREMENTS ON A LOT DEVELOPED WITH USES PERMITTED UNDER SUBSECTION 16-4.16 WHERE THE NEED FOR SUCH VARIANCE IS CAUSED SOLELY BY A SUBDIVISION OF SUCH LOT INTO TWO (2) OR MORE LOTS FOR FINANCING OF SUCH USES.

**REVISIONS**

| NO. | DESCRIPTION            | DATE     |
|-----|------------------------|----------|
| 1   | TOWNSHIP/PLAT REVISION | 9/28/15  |
| 2   | TOWNSHIP/PLAT REVISION | 02/28/16 |
| 3   | RESOLUTION COMPLIANCE  | 03/15/16 |
| 4   | RESOLUTION COMPLIANCE  | 03/15/16 |
| 5   | RESOLUTION COMPLIANCE  | 02/07/20 |
| 6   | RESOLUTION COMPLIANCE  | 02/07/20 |
| 7   | RESOLUTION COMPLIANCE  | 09/24/20 |

THIS WORK PREPARED UNDER MY IMMEDIATE SUPERVISION

THIS DRAWING IS FOR PERMIT PURPOSES ONLY. THIS DRAWING HAS BEEN CHECKED AND DATED: 8/27/20

DATE: 8/27/20

DATE: 9/7/2020

DATE: 9/28/2020

DATE: 8-31-2020

DATE: 8-31-2020

DATE: 8-31-2020

**OWNER & APPLICANT**  
**BLOCK 28005 LOTS 60, 62, 68, 69**  
**68.02, 68 & 69**  
VINCE PUGLIESE  
VILLAGE SHOPPERS AT  
MONTGOMERY, LLC  
219 NASSAU STREET  
PRINCETON, NJ 08542  
(609) 356-0279

**OWNER**  
**BLOCK 28005 LOTS 65 & 66.01**  
VINCE PUGLIESE  
VILLAGE SHOPPER III, LLC  
219 NASSAU STREET  
PRINCETON, NJ 08542  
(609) 356-0279

**ZONE DATA**

| ITEM                                                           | REQUIREMENTS       | BLOCK 28007          | BLOCK 28007          | BLOCK 28007          | BLOCK 28007          |
|----------------------------------------------------------------|--------------------|----------------------|----------------------|----------------------|----------------------|
| LOT AREA ACRES                                                 | 4.51 ACRES         | 0.62 ACRES           | 1.24 ACRES           | 1.28 ACRES           | 4.50 ACRES           |
| LOT AREA S.F.                                                  | 186,249 S.F.       | 116,993 S.F.         | 54,714 S.F.          | 54,707 S.F.          | 186,899 S.F.         |
| LOT WIDTH (FROM RT. 206)                                       | 384 FT.            | 268.00 FT.           | 219 FT.              | 252 FT.              | 359 FT.              |
| LOT DEPTH (FROM RT. 206) NOT INCLUDING ANY REQUIRED DEDICATION | 281 FT.            | 190.6 FT.            | 214 FT.              | 214 FT.              | 487 FT.              |
| LOT FRONTAGE (FROM RT. 206)                                    | 384 FT.            | 219 FT.              | 214 FT.              | 214 FT.              | 487 FT.              |
| LOT COVERAGE (BUILDING)                                        | 30%                | N/A                  | 20%                  | 22%                  | 45%                  |
| FLORAL AREA RATIO (NON-RESIDENTIAL)                            | 0.25               | 44.7%                | 21.2%                | 17.0%                | 15.1%                |
| MAX. TOTAL IMPERVIOUS COVER                                    | 60%                | 61%                  | 60%                  | 61%                  | 61%                  |
| MIN. LANDSCAPED AREA                                           | 10%                | 11%                  | 9.5%                 | 23%                  | 26.6%                |
| BUILDING HEIGHT - <20 FT FROM RT. 206                          | 24 STORIES - 35 FT | >250 FT FROM RT. 206 | >250 FT FROM RT. 206 | >250 FT FROM RT. 206 | >250 FT FROM RT. 206 |
| BUILDING HEIGHT - >20 FT FROM RT. 206                          | 34 STORIES - 50 FT | 3-STORIES - 47.58 FT | 1-STORY - 37.6 FT    | 1-STORY - 35 FT      | 1-STORY - 35 FT      |
| FRONT SETBACK (ROUTE 206)                                      | 35 FT              | N/A                  | 45.54 FT             | 38.09 FT             | 27.72 FT             |
| FRONT SETBACK (VILLAGE DRIVE)                                  | 5 FT               | N/A                  | 5.00 FT              | N/A                  | 48.01 FT             |
| FRONT SETBACK (BRECKNELL WAY)                                  | 10 FT              | 8.48 FT              | N/A                  | 23.67 FT             | N/A                  |
| FRONT SETBACK (TAMMORWAY DRIVE)                                | 5 FT               | 39.32 FT             | N/A                  | N/A                  | 104.07 FT            |
| PARKING SETBACKS                                               |                    |                      |                      |                      |                      |
| FROM RT. 206                                                   | 15 FT              | 228.05 FT            | 228.05 FT            | 122.05 FT            | 71.94 FT             |
| FROM VILLAGE DRIVE                                             | 4 FT               | 136.89 FT            | 6.28 FT              | 6.34 FT              | 6.13 FT              |
| FROM BRECKNELL WAY                                             | 5 FT               | 4.24 FT              | 367.17 FT            | 101.50 FT            | N/A                  |
| FROM TAMMORWAY DRIVE                                           | 5 FT               | 3.28 FT              | 271.97 FT            | 262.84 FT            | 16.04 FT             |

NOTE: NO VARIANCE SHALL BE REQUIRED FOR BLOCK DESIGN AND BUFFER REQUIREMENTS ON A LOT DEVELOPED WITH USES PERMITTED UNDER SUBSECTION 16-4.16 WHERE THE NEED FOR SUCH VARIANCE IS CAUSED SOLELY BY A SUBDIVISION OF SUCH LOT INTO TWO (2) OR MORE LOTS FOR FINANCING OF SUCH USES.

**REVISIONS**

| NO. | DESCRIPTION            | DATE     |
|-----|------------------------|----------|
| 1   | TOWNSHIP/PLAT REVISION | 9/28/15  |
| 2   | TOWNSHIP/PLAT REVISION | 02/28/16 |
| 3   | RESOLUTION COMPLIANCE  | 03/15/16 |
| 4   | RESOLUTION COMPLIANCE  | 03/15/16 |
| 5   | RESOLUTION COMPLIANCE  | 02/07/20 |
| 6   | RESOLUTION COMPLIANCE  | 02/07/20 |
| 7   | RESOLUTION COMPLIANCE  | 09/24/20 |

THIS WORK PREPARED UNDER MY IMMEDIATE SUPERVISION

THIS DRAWING IS FOR PERMIT PURPOSES ONLY. THIS DRAWING HAS BEEN CHECKED AND DATED: 8/27/20

DATE: 8/27/20

DATE: 9/7/2020

DATE: 9/28/2020

DATE: 8-31-2020

DATE: 8-31-2020

DATE: 8-31-2020

**OWNER & APPLICANT**  
**BLOCK 28005 LOTS 60, 62, 68, 69**  
**68.02, 68 & 69**  
VINCE PUGLIESE  
VILLAGE SHOPPERS AT  
MONTGOMERY, LLC  
219 NASSAU STREET  
PRINCETON, NJ 08542  
(609) 356-0279

**OWNER**  
**BLOCK 28005 LOTS 65 & 66.01**  
VINCE PUGLIESE  
VILLAGE SHOPPER III, LLC  
219 NASSAU STREET  
PRINCETON, NJ 08542  
(609) 356-0279

**ZONE DATA**

| ITEM                                                           | REQUIREMENTS       | BLOCK 28007          | BLOCK 28007          | BLOCK 28007          | BLOCK 28007          |
|----------------------------------------------------------------|--------------------|----------------------|----------------------|----------------------|----------------------|
| LOT AREA ACRES                                                 | 4.51 ACRES         | 0.62 ACRES           | 1.24 ACRES           | 1.28 ACRES           | 4.50 ACRES           |
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| LOT COVERAGE (BUILDING)                                        | 30%                | N/A                  | 20%                  | 22%                  | 45%                  |
| FLORAL AREA RATIO (NON-RESIDENTIAL)                            | 0.25               | 44.7%                | 21.2%                | 17.0%                | 15.1%                |
| MAX. TOTAL IMPERVIOUS COVER                                    | 60%                | 61%                  | 60%                  | 61%                  | 61%                  |
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| BUILDING HEIGHT - <20 FT FROM RT. 206                          | 24 STORIES - 35 FT | >250 FT FROM RT. 206 | >250 FT FROM RT. 206 | >250 FT FROM RT. 206 | >250 FT FROM RT. 206 |
| BUILDING HEIGHT - >20 FT FROM RT. 206                          | 34 STORIES - 50 FT | 3-STORIES - 47.58 FT | 1-STORY - 37.6 FT    | 1-STORY              |                      |



FUTURE DEVELOPMENT  
SHARBELL BUILDING  
COMPANY, LLC

BhnB  
HSG B

RoyB  
HSG C

BLOCK 2800S  
LOT 68  
N/4 LANDS OF KT CAPITAL, LLC  
DB 6393-757

LbtB  
HSG C

N01°54'45" W

995.45'

BLOCK 2800S  
LOT 65, 68 & 69  
422,978 SQ. FT.  
9.96 ACRES

LOT 68

LOT 69

LOT 60  
43,781 SF  
1.005 AC

U.S. HIGHWAY ROUTE 206  
VARIABLE R.O.W.

#### DEMOLITION NOTES:

1. THE CONTRACTOR IS TO COORDINATE THE REMOVAL / ABANDONMENT OF ALL UTILITIES WITH THE RESPECTIVE UTILITY COMPANIES.
2. ALL DEBRIS FROM THE DEMOLISHED STRUCTURES THAT IS NOT REUSED AS FILL IS TO BE DISPOSED OF ACCORDING TO ALL APPLICABLE STANDARDS.
3. PRIOR TO THE REMOVAL OF SANITARY FORCE MAINS FROM VILLAGE SHOPPER II AND III, THE PROPOSED SANITARY SEWER AND PUMP STATION FOR VILLAGE WALK PHASE I IS TO BE CONSTRUCTED.
4. THE EXISTING SANITARY FORCE MAINS FROM VILLAGE SHOPPER II AND III TO BE CONNECTED TO THE PROPOSED SANITARY SEWER FOR VILLAGE WALK PHASE I PER THE GRADING AND UTILITY PLAN.
5. FORCE MAINS FROM VILLAGE SHOPPER I, II AND III TO BE REMOVED AND CAPPED AT PROPERTY LINE AS NOTED ON PLAN.
6. CONTRACTOR TO VERIFY ORIGIN OF EACH FORCE MAIN AT DISCHARGE MANHOLE PRIOR TO FORCE MAINS FROM VILLAGE SHOPPER I, II AND III BEING REMOVED FROM MANHOLE.
7. EXISTING FORCE MAINS TO BE ABANDONED WITHIN COMMON TRENCH WITH LOT 59.
8. FORCE MAIN FROM LOT 59 IS TO REMAIN CONNECTED TO THE EXISTING MANHOLE.
9. THE MANHOLE CHANNELING IS TO BE ADJUSTED TO GUIDE THE PROPOSED 4" FORCE MAIN DISCHARGE AND THE EXISTING FORCEMAIN DISCHARGE FROM LOT 59 INTO THE MUNICIPAL SEWER SYSTEM THAT CROSSES ROUTE 206.

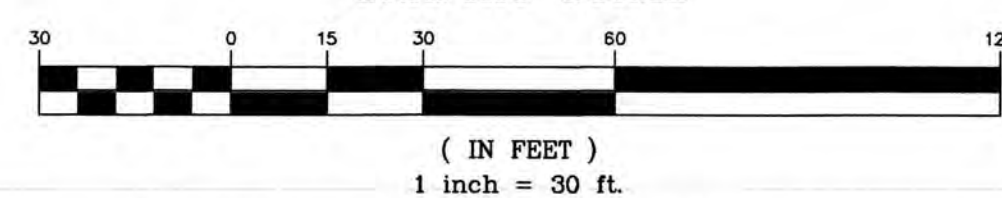
#### UTILITY DEMOLITION KEY:

XXXXX DENOTES UTILITIES TO BE REMOVED  
///// DENOTES UTILITIES TO BE ABANDONED

#### SANITARY SEWER NOTES PHASE 1:

1. CONTRACTOR TO PERFORM TEST PITS TO DETERMINE EXACT LOCATION OF EXISTING SANITARY SEWER FORCE MAINS FROM VILLAGE SHOPPER I, II AND III AS WELL AS FROM LOT 59 PRIOR TO DEMOLITION AND SITE WORK BEING PERFORMED.
2. PRIOR TO THE REMOVAL OF SANITARY FORCE MAINS FROM VILLAGE SHOPPER II AND III, THE PROPOSED SANITARY SEWER AND PUMP STATION FOR VILLAGE WALK PHASE I IS TO BE CONSTRUCTED.
3. THE EXISTING SANITARY FORCE MAINS FROM VILLAGE SHOPPER II AND III TO BE CONNECTED TO THE PROPOSED SANITARY SEWER FOR VILLAGE WALK PHASE I PER THE GRADING AND UTILITY PLAN.
4. FORCE MAINS FROM VILLAGE SHOPPER I, II AND III TO BE REMOVED AND CAPPED AT PROPERTY LINE AS NOTED ON PLAN.
5. CONTRACTOR TO VERIFY ORIGIN OF EACH FORCE MAIN AT DISCHARGE MANHOLE PRIOR TO FORCE MAINS FROM VILLAGE SHOPPER I, II AND III BEING REMOVED FROM MANHOLE.
6. EXISTING FORCE MAINS TO BE ABANDONED WITHIN COMMON TRENCH WITH LOT 59.
7. FORCE MAIN FROM LOT 59 IS TO REMAIN CONNECTED TO THE EXISTING MANHOLE.
8. THE MANHOLE CHANNELING IS TO BE ADJUSTED TO GUIDE THE PROPOSED 4" FORCE MAIN DISCHARGE AND THE EXISTING FORCEMAIN DISCHARGE FROM LOT 59 INTO THE MUNICIPAL SEWER SYSTEM THAT CROSSES ROUTE 206.

GRAPHIC SCALE



THIS DRAWING IS FOR PERMITS PURPOSES ONLY. THIS BOX HAS BEEN CHECKED AND DATED: DATE: 03/16/2018

THIS WORK PREPARED UNDER MY IMMEDIATE SUPERVISION.  
SCOTT H. TURNER  
PROFESSIONAL ENGINEER  
N.J.E.#14381

REVISIONS  
1) COMPLETENESS REV 4/26/18  
2) COMPLETENESS REV 6/15/18  
3) TOWNSHIP REV 9/28/18  
4) TWA SUBMISSION 2/17/19  
5) RESOLUTION COMPLIANCE 3/15/19  
6) TWA COMMENTS 4/01/19  
7) TOWNSHIP SEWER REV 10/29/19  
8) RESOLUTION COMPLIANCE 11/07/19  
9) RESOLUTION COMPLIANCE 12/17/19  
10) TOWNSHIP REV 02/25/21

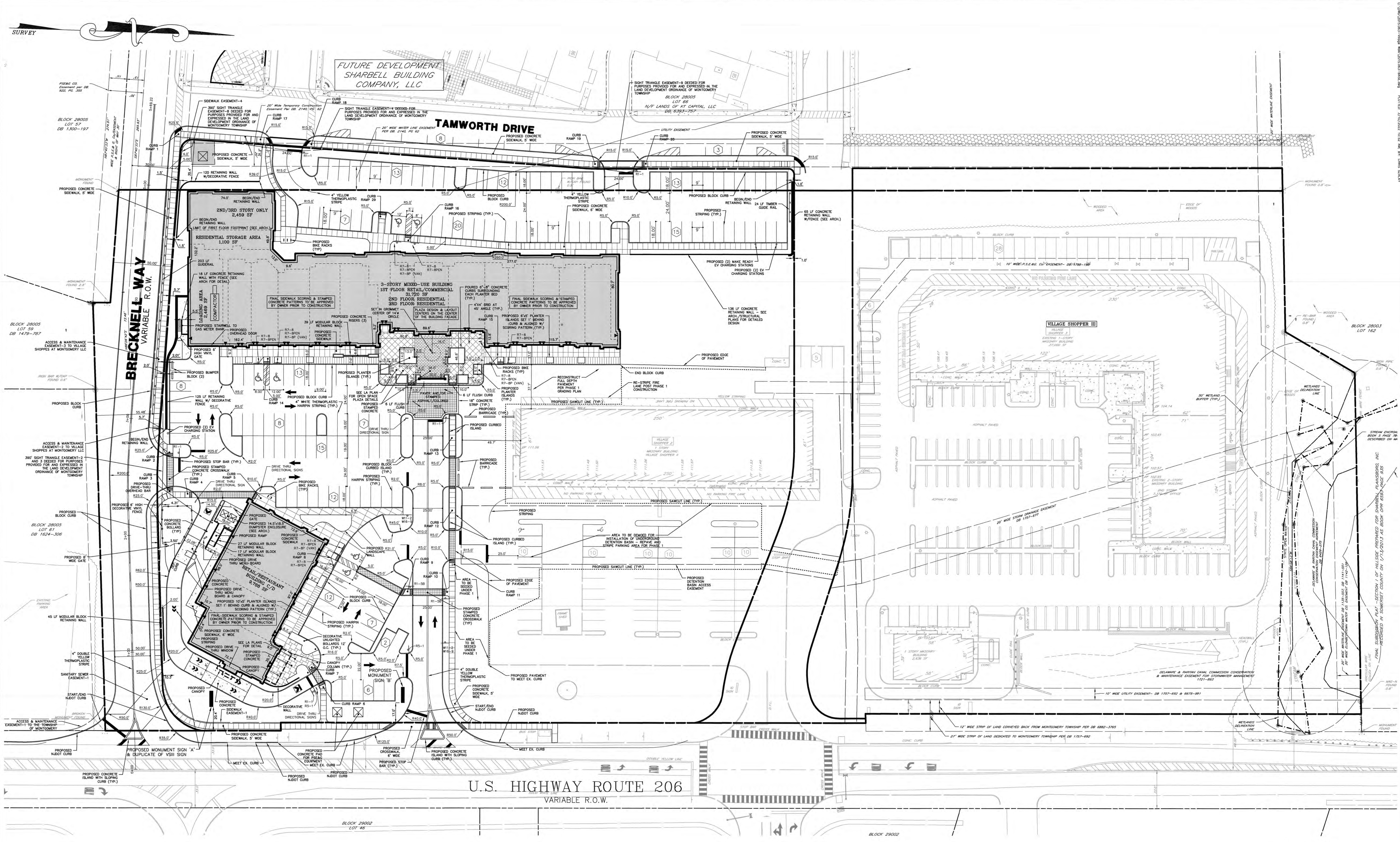
**MENLO ENGINEERING ASSOCIATES, INC.**  
CIVIL ENGINEERS, LAND SURVEYORS AND PROFESSIONAL PLANNERS  
261 CLEVELAND AVENUE HIGHLAND PARK, NEW JERSEY 08904  
PHONE: (732) 946-8585 FAX: (732) 946-9439  
CERTIFICATE OF AUTHORIZATION: 24627551800

**VILLAGE WALK at MONTGOMERY**  
MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY  
**DEMOLITION PLAN-PHASE 1**  
BLOCK 28007 LOTS 1, 2, 3, & 4; BLOCK 28009 LOT 4 TAX MAP SHEET: 55 10.97 ACRES

DATE OF ISSUE: MARCH 16, 2018  
REV 1) FEBRUARY 25, 2022

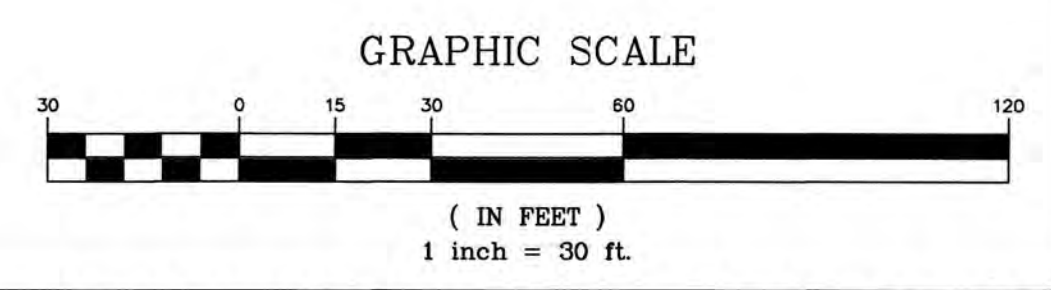
SCALE: 1"=30'  
JOB # 2015.063  
DWG # 04-1  
SHEET # 6





U.S. HIGHWAY ROUTE 206  
VARIABLE R.O.W.

NOTE:  
SPEED LIMIT POSTED 25 MPH/DESIGN SPEED 35 MPH ARE  
ASSUMED AS BASIS FOR SIGHT LINES AT INTERIOR DRIVEWAYS.



- GENERAL NOTE:  
1. ALL ON-SITE AND MUNICIPAL CURBING TO BE GRANITE BLOCK UNLESS OTHERWISE NOTED. FLUSH CONCRETE CURB TO BE PROVIDED AT ALL ADA RAMPS.  
2. CONCRETE ISLANDS AT THE ENTRANCES TO THE PROPERTY TO BE MOUNTABLE WITH BREAKAWAY SIGNS.  
3. SEE ADA RAMP DETAILS SHEET 35 FOR DETAILED GRADING.  
4. PARKING STALLS STRIPING TO BE 4" WHITE LATEX PAINT UNLESS OTHERWISE NOTED IN DETAIL. SEE HAIRPIN STRIPING AND ADA PARKING STALL STRIPING DETAILS ON SHEET DE-1.



THIS DRAWING IS FOR PERMIT PURPOSES ONLY. IT IS NOT TO BE USED FOR CONSTRUCTION UNLESS IT HAS BEEN CHECKED AND DATED.  
DATE: 02/25/22  
DRAWN BY: NF  
DSGN BY: CJS  
CHKD BY: ST  
APPRD BY: ST  
SCOTT H. TURNER  
PROFESSIONAL ENGINEER  
N.J.E.#43811

**MENLO ENGINEERING ASSOCIATES, INC.**  
CIVIL ENGINEERS, LAND SURVEYORS AND PROFESSIONAL PLANNERS  
261 CLEVELAND AVENUE HIGHLAND PARK, NEW JERSEY 08904  
PHONE: (732) 846-8585 FAX: (732) 846-9439  
CERTIFICATE OF AUTHORIZATION: 246A27951800

**VILLAGE WALK at MONTGOMERY**  
MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY  
**GEOMETRY PLAN-PHASE 1**  
BLOCK 28007 LOTS 1, 2, 3, & 4; BLOCK 28009 LOT 4 TAX MAP SHEET: 55 10.97 ACRES

DATE OF ISSUE: MARCH 16, 2018  
REV 11) FEBRUARY 25, 2022  
SCALE: 1"=30'  
JOB # 2015.063  
DWG # 02-1  
SHEET # 7





1. ALL FULL FACE BLOCK CURB ON-SITE TO HAVE 6" REVEAL.
2. ALL CURB WITHIN DUT RIGHT-OF-WAY TO BE IN ACCORDANCE WITH NJDOT STANDARDS.
3. ALL PROPOSED SANITARY SEWER THAT ARE NOT LOCATED WITHIN PAVED AREAS BE SUPPLIED WITH MARKING TAPE ABOVE THE PVC PIPE (SEE DETAIL).
4. ALL SANITARY SEWER CONSTRUCTION AND TESTING SHALL CONFORM WITH THE TOWNSHIP STANDARDS.
5. ALL PROPOSED FOREMAN ARE REQUIRED TO BE MARKED OUT PER THE DETAIL AND REGISTERED WITH THE ONE-CALL SYSTEM.
6. THE TOWNSHIP DOES NOT ACCEPT THE RESPONSIBILITY OF SANITARY PIPES FROM BLOCK 28007 LOTS 1, 2, 3, & 4 AND BLOCK 28005 AND 65, THE OWNERS OF BLOCK 28007 LOTS 1, 2, 3, & 4 AND BLOCK 28005 LOT 65 WILL MAINTAIN THE SAME.
7. PRIOR TO CONNECTING THE PROPOSED SANITARY FORCE MAIN TO THE EXISTING MANHOLE ALONG ROUTE 206, THE EXISTING MANHOLE IS TO BE REPAIRED. THE OUTSIDE WILL BE PARGED AND INSIDE WILL BE POWERWASHED AND A EPOXY COATED.
8. PHASE I OF THE PROPOSED SANITARY SEWER IS TO BE CONSTRUCTED PRIOR TO DISRUPTION OF SEWER SERVICE TO VILLAGE SHOPPER II AND III. FOLLOWING CONNECTION TO THE NEW SYSTEM, EXISTING FOREMANS ON-SITE ARE TO BE REMOVED AND CUT AND ABANDONED OFF-SITE AS INDICATED.
9. SEE ADA RAMP DETAILS SHEET 35 FOR DETAILED GRADING.



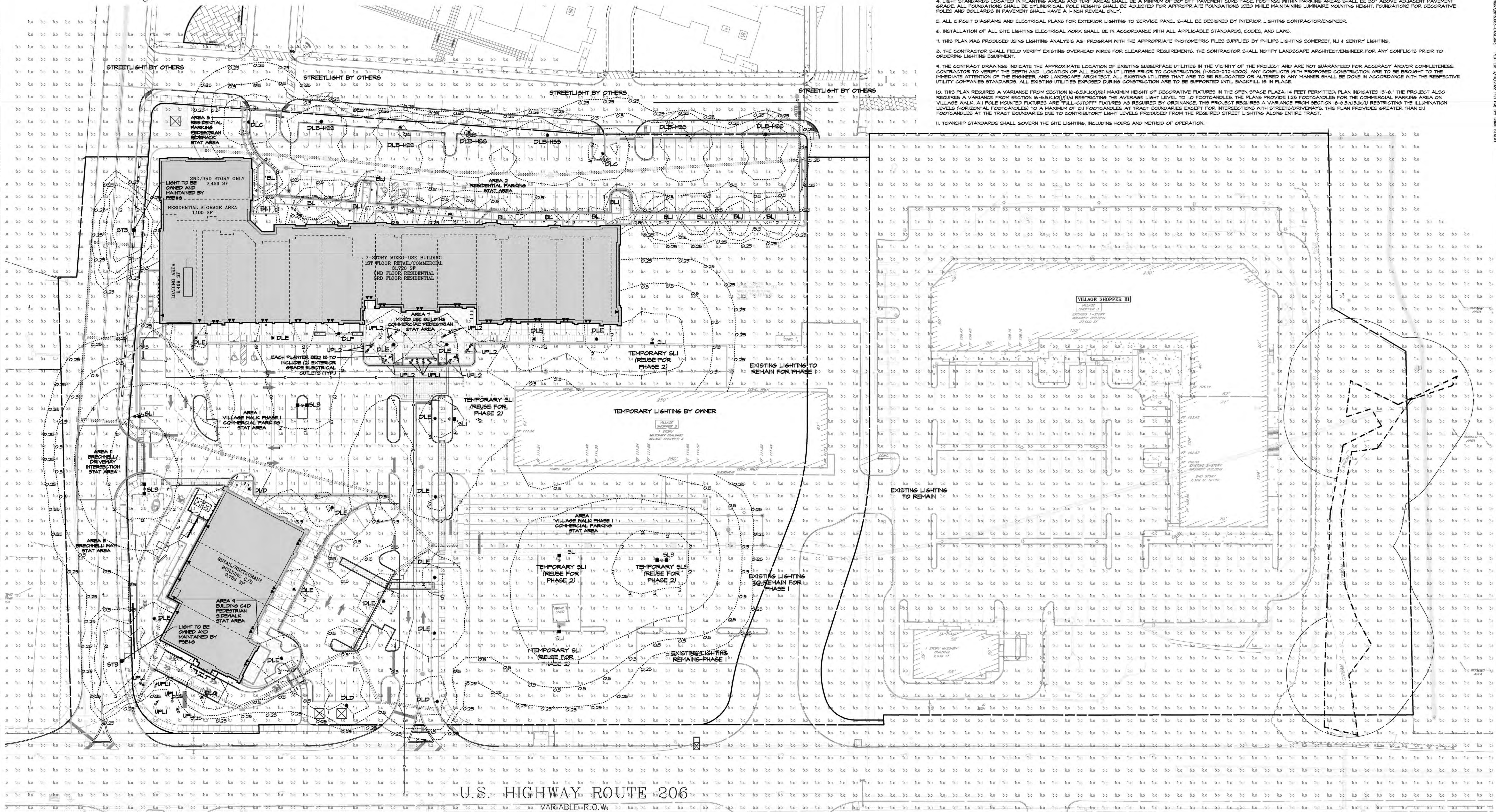
| REVIEWS |                        |
|---------|------------------------|
| 1)      | COMPLETENESS REVIEWS   |
| 2)      | PUMP STATION REVIEWS   |
| 3)      | COMPLETENESS REVIEWS   |
| 4)      | TOWNSHIP REVIEWS       |
| 5)      | TWA SUBMISSION         |
| 6)      | RESOLUTION COMPLIANCE  |
| 7)      | TWA COMMENTS           |
| 8)      | OWNER REVIEWS          |
| 9)      | TOWNSHIP SEWER REVIEWS |
| 10)     | RESOLUTION COMPLIANCE  |
| 11)     | RESOLUTION COMPLIANCE  |
| 12)     | RESOLUTION COMPLIANCE  |

THIS WORK PREPARED UNDER  
IMMEDIATE SUPERVISION...

*Scott H. Turner*

**SCOTT H. TURNER**  
PROFESSIONAL ENGINEER  
N.J.P.E.#3811





## PHASE 1 LIGHTING SCHEDULE

| LABEL   | QTY. | TYPE OF MOUNT         | LED ARRAY/ WATTAGE<br># DRIVER AMPS | MOUNTING<br>HEIGHT | POLE<br>HEIGHT | DISTRIBUTION | CATALOG NO.                                                      | POLE CATALOG NO.                              |
|---------|------|-----------------------|-------------------------------------|--------------------|----------------|--------------|------------------------------------------------------------------|-----------------------------------------------|
| SLI     | 1    | SINGLE ARM POLE MOUNT | (48V)-74W-500mA                     | 20'                | 18.0'          | TYPE VII     | PHILIPS P26-48L-500-W-52-AR-SM                                   | PHILIPS LUMEC SP54D-18-BRTX                   |
| SLB     | 2    | TWIN ARM POLE MOUNT   | (48V)-74W-500mA                     | 20'                | 18.0'          | TYPE VII     | PHILIPS P26-48L-500-W-52-AR-SM                                   | PHILIPS LUMEC SP54D-18-BRTX                   |
| SLT     | 3    | SINGLE POST TOP       | 150W HPS                            | 15.0'              | 12.0'          | TYPE V       | PHILIPS HADCO PSE16 PART # 561TH1-A                              | PHILIPS HADCO PSE16 PART # 561TH1-A           |
| DLB-HSS | 6    | SINGLE POST TOP       | 66W                                 | 15.5'              | 14.0'          | TYPE IV      | HOLOPHANE MPCL2-P30-30K-MVOLT-FC4-BZ-BL-LH-HSS OR APPROVED EQUAL | HOLOPHANE HADSNORTH NDA-14-F4G-TD-COS-BZ-R18A |
| DLC     | 2    | SINGLE POST TOP       | 66W                                 | 15.5'              | 14.0'          | TYPE V       | HOLOPHANE MPCL2-P30-30K-MVOLT-FC5-BZ-BL-LH OR APPROVED EQUAL     | HOLOPHANE HADSNORTH NDA-14-F4G-TD-COS-BZ-R18A |
| DLD     | 3    | SINGLE POST TOP       | 45W                                 | 15.5'              | 12.0'          | TYPE IV      | HOLOPHANE MPCL2-P30-30K-MVOLT-FC4-BZ-BL-LH-HSS OR APPROVED EQUAL | HOLOPHANE HADSNORTH NDA-14-F4G-TD-COS-BZ-R18A |
| DLE     | 15   | SINGLE POST TOP       | 45W                                 | 15.5'              | 12.0'          | TYPE V       | HOLOPHANE MPCL2-P30-30K-MVOLT-FC5-BZ-BL-LH OR APPROVED EQUAL     | HOLOPHANE HADSNORTH NDA-14-F4G-TD-COS-BZ-R18A |
| DLF     | 1    | SINGLE POST TOP       | 45W                                 | 15.5'              | 12.0'          | TYPE V       | HOLOPHANE MPCL2-P30-30K-MVOLT-FC5-BZ-BL-LH OR APPROVED EQUAL     | HOLOPHANE HADSNORTH NDA-14-F4G-TD-COS-BZ-R18A |
| DLG     | 1    | SINGLE POST TOP       | 45W                                 | 15.5'              | 12.0'          | TYPE III     | HOLOPHANE MPCL2-P30-30K-MVOLT-FC5-BZ-BL-LH-HSS OR APPROVED EQUAL | HOLOPHANE HADSNORTH NDA-14-F4G-TD-COS-BZ-R18A |
| BL      | 7    | BOLLARD               | 18W-530mA                           | 8.5'               | N/A            | TYPE III     | PHILIPS HADCO SLR18Z1A                                           | PHILIPS HADCO SLR18Z1A                        |
| BLI     | 8    | BOLLARD               | 18W-530mA                           | 8.5'               | N/A            | TYPE V       | PHILIPS HADCO SLR18Z1A                                           | PHILIPS HADCO SLR18Z1A                        |
| UPL1    | 4    | GROUND UPLIGHTS       | TBD                                 | GROUND             | N/A            | TBD          | PHILIPS HADCO SLR18Z1A                                           | PHILIPS HADCO SLR18Z1A                        |
| UPL2    | 12   | GROUND UPLIGHTS       | TBD                                 | GROUND             | N/A            | TBD          | PHILIPS HADCO SLR18Z1A                                           | PHILIPS HADCO SLR18Z1A                        |

\* LIGHT SOURCE ABOVE GRADE.

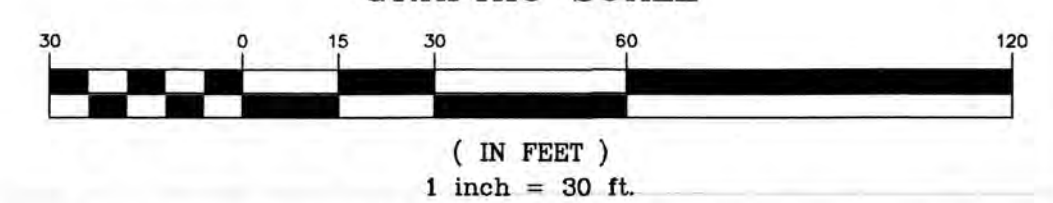
| CALCULATION SUMMARY | DESCRIPTION                          | MIN | AVG  | MAX  | AVG/MIN | MAX/MIN | CALC TYPE   | UNITS |
|---------------------|--------------------------------------|-----|------|------|---------|---------|-------------|-------|
| AREA 1              | PHASE 1 COMMERCIAL                   | 0.4 | 1.27 | 3.3  | 3.16    | 8.25    | ILLUMINANCE | FC    |
| AREA 2              | RESIDENTIAL PARKING AREA             | 0.4 | 1.00 | 3.8  | 2.50    | 9.50    | ILLUMINANCE | FC    |
| AREA 3              | BRECKNELL WAY                        | 0.0 | 1.15 | 8.3  | N.A.    | N.A.    | ILLUMINANCE | FC    |
| AREA 8              | RESIDENTIAL PEDESTRIAN SIDEWALK AREA | 0.4 | 2.20 | 5.0  | 5.50    | 12.50   | ILLUMINANCE | FC    |
| AREA 9              | BUILDING D PEDESTRIAN AREA           | 0.2 | 1.02 | 5.0  | 5.10    | 11.50   | ILLUMINANCE | FC    |
| AREA 11             | BRECKNELL/DRIVEWAY INTERSECTION      | 1.0 | 1.83 | 2.8  | 1.83    | 2.80    | ILLUMINANCE | FC    |
| AREA 13             | PROJECT RIGHT OF WAY LINES           | 0.0 | 0.80 | 4.4* | N.A.    | N.A.    | ILLUMINANCE | FC    |

\* PRODUCED BY REQUIRED STREET LIGHTS. MAXIMUM SITE LIGHTING ALONG A RIGHT-OF-WAY IS 1.7 FC.

## LIGHTING NOTES:

1. A CONCRETE FOOTING BELOW FINISHED GRADE, SHALL BE INSTALLED FOR EACH FIXTURE, SIZE AND DEPTH TO BE DESIGNED BY STRUCTURAL ENGINEER.
2. LIGHT FIXTURES AND POLES TO BE INSTALLED AS PER MANUFACTURERS' SPECIFICATIONS.
3. THE HOURS OF OPERATION SHALL BE FROM DUSK TO ONE HOUR AFTER THE LAST TENANT CLOSING FOR BUSINESS. ALL LIGHTING EXCEPT FOR SECURITY LIGHTING SHALL BE CONTROLLED BY A TIMER. PARKING AREA LIGHTING CONTROLS SHALL BE BY A SINGLE PHOTOCELL ACTIVATED DURING HOURS OF OPERATION OR LED DIMMABLE CONTROLLER AS RECOMMENDED BY LIGHT MANUFACTURER.
4. LIGHT STANDARDS LOCATED IN PLANTING AREAS AND TURF AREAS SHALL BE A MINIMUM OF 30" OFF PAVEMENT CURB FACE. FOOTINGS WITHIN PARKING AREAS SHALL BE 30" ABOVE ADJACENT PAVEMENT GRADE. ALL FOUNDATIONS SHALL BE CYLINDRICAL. POLE HEIGHTS SHALL BE ADJUSTED FOR APPROPRIATE FOUNDATIONS USED WHILE MAINTAINING LUMINAIRE MOUNTING HEIGHT. FOUNDATIONS FOR DECORATIVE POLES AND BOLLARDS IN PAVEMENT SHALL HAVE A 1-INCH REVEAL ONLY.
5. ALL CIRCUIT DIAGRAMS AND ELECTRICAL PLANS FOR EXTERIOR LIGHTING TO SERVICE PANEL SHALL BE DESIGNED BY INTERIOR LIGHTING CONTRACTOR/ENGINEER.
6. INSTALLATION OF ALL SITE LIGHTING ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STANDARDS, CODES, AND LAWS.
7. THIS PLAN WAS PRODUCED USING LIGHTING ANALYSIS ASI PROGRAM WITH THE APPROPRIATE PHOTOMETRIC FILES SUPPLIED BY PHILIPS LIGHTING SOMERSET, NJ 4 SENTRY LIGHTING.
8. THE CONTRACTOR SHALL FIELD VERIFY EXISTING OVERHEAD WIRES FOR CLEARANCE REQUIREMENTS. THE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT/ENGINEER FOR ANY CONFLICTS PRIOR TO ORDERING LIGHTING EQUIPMENT.
9. THE CONTRACT DRAWINGS INDICATE THE APPROXIMATE LOCATION OF EXISTING SUBSURFACE UTILITIES IN THE VICINITY OF THE PROJECT AND ARE NOT GUARANTEED FOR ACCURACY AND/OR COMPLETENESS. CONTRACTOR TO VERIFY THE DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION (800-372-1000). ANY CONFLICTS WITH PROPOSED CONSTRUCTION ARE TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE LANDSCAPE ARCHITECT. ALL EXISTING UTILITIES THAT ARE TO BE RELOCATED OR ALTERED IN ANY MANNER SHALL BE DONE IN ACCORDANCE WITH THE RESPECTIVE UTILITY COMPANIES STANDARDS. ALL EXISTING UTILITIES EXPOSED DURING CONSTRUCTION ARE TO BE SUPPORTED UNTIL BACKFILL IS IN PLACE.
10. THIS PLAN REQUIRES A VARIANCE FROM SECTION 16-6.5.10(1)(b) MAXIMUM HEIGHT OF DECORATIVE FIXTURES IN THE OPEN SPACE PLAZA 14 FEET PERMITTED. PLAN INDICATES 15'-6" THE PROJECT ALSO REQUIRES A VARIANCE FROM SECTION 16-6.5.10(1)(b) RESTRICTING THE AVERAGE LIGHT LEVEL TO 1.0 FOOTCANDLES. THE PLANS PROVIDE 1.25 FOOTCANDLES FOR THE COMMERCIAL PARKING AREA ON VILLAGE WALK. ALL POLE MOUNTED FIXTURES ARE FULL-CUTOFF FIXTURES AS REQUIRED BY ORDINANCE. THIS PROJECT REQUIRES A VARIANCE FROM SECTION 16-6.5.10(1)(b) RESTRICTING THE ILLUMINATION LEVELS (HORIZONTAL FOOTCANDLES) TO A MAXIMUM OF 0.1 FOOTCANDLES AT TRACT BOUNDARIES EXCEPT FOR INTERSECTIONS WITH STREETS/DRIVEWAYS. THIS PLAN PROVIDES GREATER THAN 0.1 FOOTCANDLES AT THE TRACT BOUNDARIES DUE TO CONTRIBUTORY LIGHT LEVELS PRODUCED FROM THE REQUIRED STREET LIGHTING ALONG ENTIRE TRACT.
11. TOWNSHIP STANDARDS SHALL GOVERN THE SITE LIGHTING, INCLUDING HOURS AND METHOD OF OPERATION.

## GRAPHIC SCALE



**REVISIONS**

| NO. | DESCRIPTION           | DATE     |
|-----|-----------------------|----------|
| 1   | COMPLETENESS REV      | 4/20/18  |
| 2   | COMPLETENESS REV      | 6/15/18  |
| 3   | TOWNSHIP REV          | 9/25/18  |
| 4   | RESOLUTION COMPLIANCE | 3/7/19   |
| 5   | OWNER REV             | 07/25/19 |
| 6   | RESOLUTION COMPLIANCE | 11/01/19 |
| 7   | RESOLUTION COMPLIANCE | 2/27/20  |
| 8   | RESOLUTION COMPLIANCE | 07/16/20 |
| 9   | OWNER REV             | 02/15/21 |
| 10  | OWNER REV             | 8/25/21  |

**MENLO ENGINEERING ASSOCIATES, INC.**  
CIVIL ENGINEERS, LAND SURVEYORS AND PROFESSIONAL PLANNERS  
281 CLEVELAND AVENUE HIGHLAND PARK, NEW JERSEY 08904  
PHONE: (732) 846-8585 FAX: (732) 846-9439  
CERTIFICATE OF AUTHORIZATION: 2460275800

**VILLAGE WALK at MONTGOMERY**  
MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY  
**LIGHTING PLAN-PHASE 1**  
BLOCK 28007 LOTS 1, 2, 3, & 4; BLOCK 28009 LOT 4 TAX MAP SHEET 55 10.97 ACRES

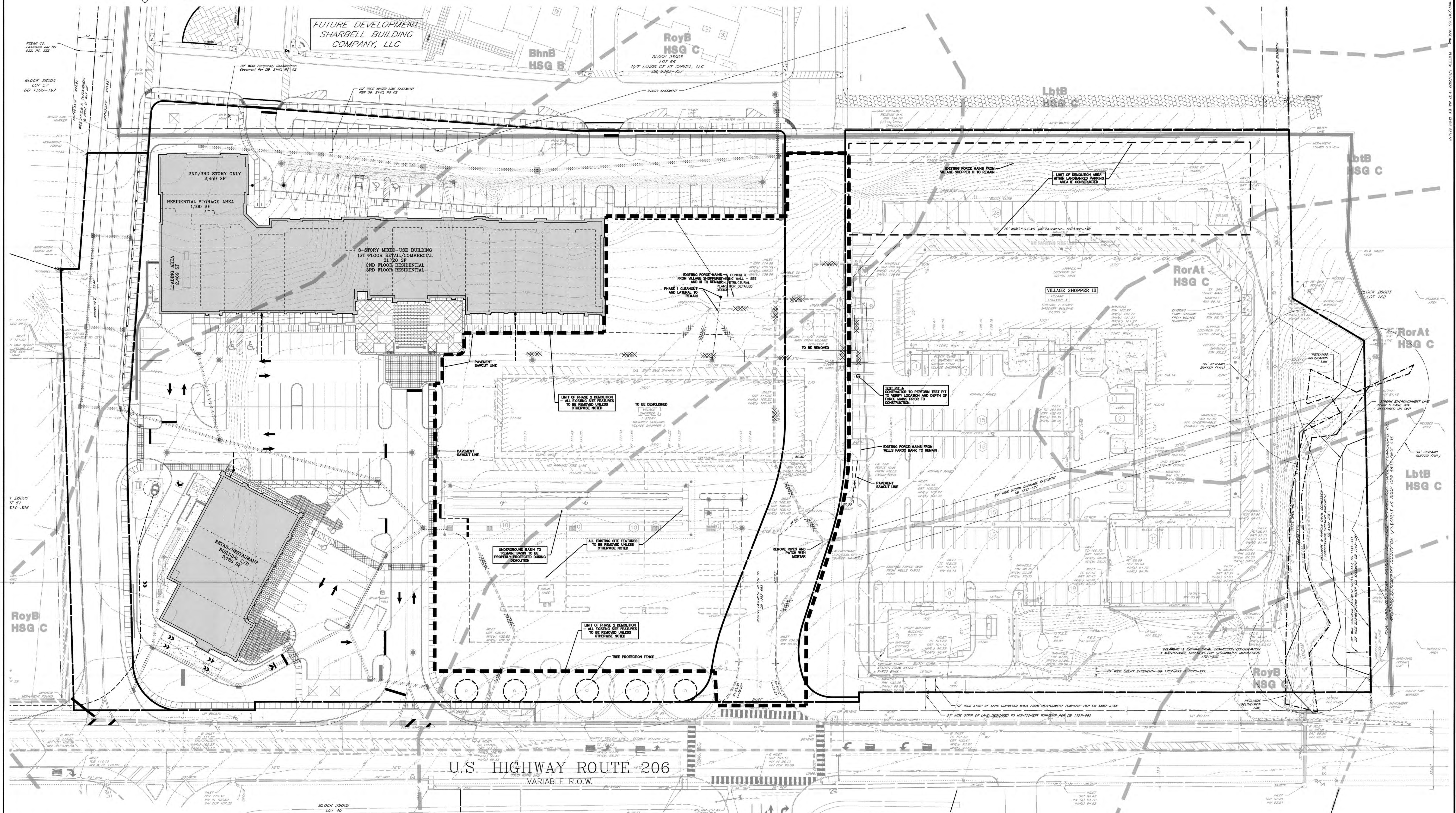
DATE OF ISSUE: MARCH 16, 2018  
REV 10) FEBRUARY 25, 2022

SCALE: 1"=30'  
JOB # 2015.063  
DWG # U-1  
SHEET # 9







**DEMOLITION NOTES:**

1. THE CONTRACTOR IS TO COORDINATE THE REMOVAL / ABANDONMENT OF ALL UTILITIES WITH THE RESPECTIVE UTILITY COMPANIES.
2. ALL DEBRIS FROM THE DEMOLISHED STRUCTURES THAT IS NOT REUSED AS FILL IS TO BE DISPOSED OF ACCORDING TO ALL APPLICABLE STANDARDS. DEMOLISHED MATERIALS REUSED AS FILL MATERIAL SHALL BE IN PER THE DIRECTION OF THE SOILS ENGINEER.
3. CONTRACTOR TO HAVE ALL UNDERGROUND UTILITIES FIELD MARKED AND THEN LOCATED BY THE SURVEYOR. ALL LOCATIONS ARE TO BE REPORTED TO THE DESIGN ENGINEER PRIOR TO DEMOLITION OR CONSTRUCTION. FOR ADDITIONAL INFORMATION REFER TO GENERAL NOTE #3.
4. ALL DEMOLITION IS TO BE PERFORMED IN STRICT CONFORMANCE WITH ALL APPLICABLE TOWNSHIP, COUNTY & STATE AND/OR OTHER GOVERNING BODIES STANDARDS.
5. DURING DEMOLITION, ANY HAZARDOUS MATERIAL, SUCH AS ASBESTOS, SHALL BE REMOVED AND REMEDIATED IN ACCORDANCE WITH THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION (NJDEP) STANDARDS AND ALL OTHER APPLICABLE STANDARDS.
6. THE REMOVAL AND/OR ABANDONMENT OF ANY SUBSURFACE STRUCTURES, INCLUDING STORAGE TANKS, MANHOLES AND PIPES, SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE STANDARDS.
7. THE CONTRACTOR SHALL PROVIDE THE TOWN WITH WEIGHT RECEIPTS FOR ALL RECYCLED DEMOLITION MATERIALS FOR THE TOWNSHIP'S TONNAGE GRANT APPLICATION TO THE NJDEP.

**UTILITY DEMOLITION KEY:**

- XXXXX DENOTES UTILITIES TO BE REMOVED
- ////// DENOTES UTILITIES TO BE ABANDONED

**SANITARY SEWER NOTES PHASE 2:**

1. PROPOSED PHASE 2 SANITARY SEWER IS TO BE CONSTRUCTED PRIOR TO REMOVING ANY PORTION OF VILLAGE SHOPPER III AND BANK FORCE MAINS. CONTRACTOR TO PERFORM TEST PIT TO DETERMINE THE EXACT LOCATION AND DEPTH OF THE EXISTING FORCE MAINS.
2. PROPOSED FORCE MAIN FOR VILLAGE SHOPPER III AND EXISTING FORCE MAIN FROM BANK TO BE CONNECTED TO THE PROPOSED GRAVITY SEWER FOR PHASE 2.

**UNDERGROUND BASIN NOTES PHASE 2:**

1. THE NEWLY CONSTRUCTED UNDERGROUND STORMWATER MANAGEMENT SYSTEM SHALL BE PROTECTED DURING CONSTRUCTION DURING PHASE 2.

GRAPHIC SCALE

( IN FEET )  
1 inch = 30 ft.

THE STATE OF NEW JERSEY REQUIRES  
NOTIFICATION BY EDUCATORS, DESIGNERS  
OR ANY PERSON PREPARING TO DISTURB THE  
EARTH'S SURFACE ANYWHERE IN THE STATE

THIS DRAWING IS FOR PERMITS PURPOSES  
ONLY. IT HAS NOT BEEN CHECKED OR DATED.  
DATE: 03/16/2018

THIS WORK PREPARED UNDER MY  
IMMEDIATE SUPERVISION.  
SCOTT H. TURNER  
PROFESSIONAL ENGINEER  
N.J.E.#43811

REVISIONS

|                          |          |
|--------------------------|----------|
| 1) COMPLETENESS REVS     | 4/30/18  |
| 2) COMPLETENESS REVS     | 6/15/18  |
| 3) TOWNSHIP REVS         | 9/28/18  |
| 4) RESOLUTION COMPLIANCE | 3/15/19  |
| 5) TAX COMMENTS          | 4/10/19  |
| 6) TOWNSHIP SEWER REVS   | 10/31/19 |
| 7) RESOLUTION COMPLIANCE | 11/09/19 |
| 8) RESOLUTION COMPLIANCE | 12/07/20 |
| 9) RESOLUTION COMPLIANCE | 07/16/21 |
| 10) TOWNSHIP REVS        | 02/25/23 |

DRWN. BY NF  
DSGN. BY CJS  
CHKD. BY ST  
APPRD. BY ST

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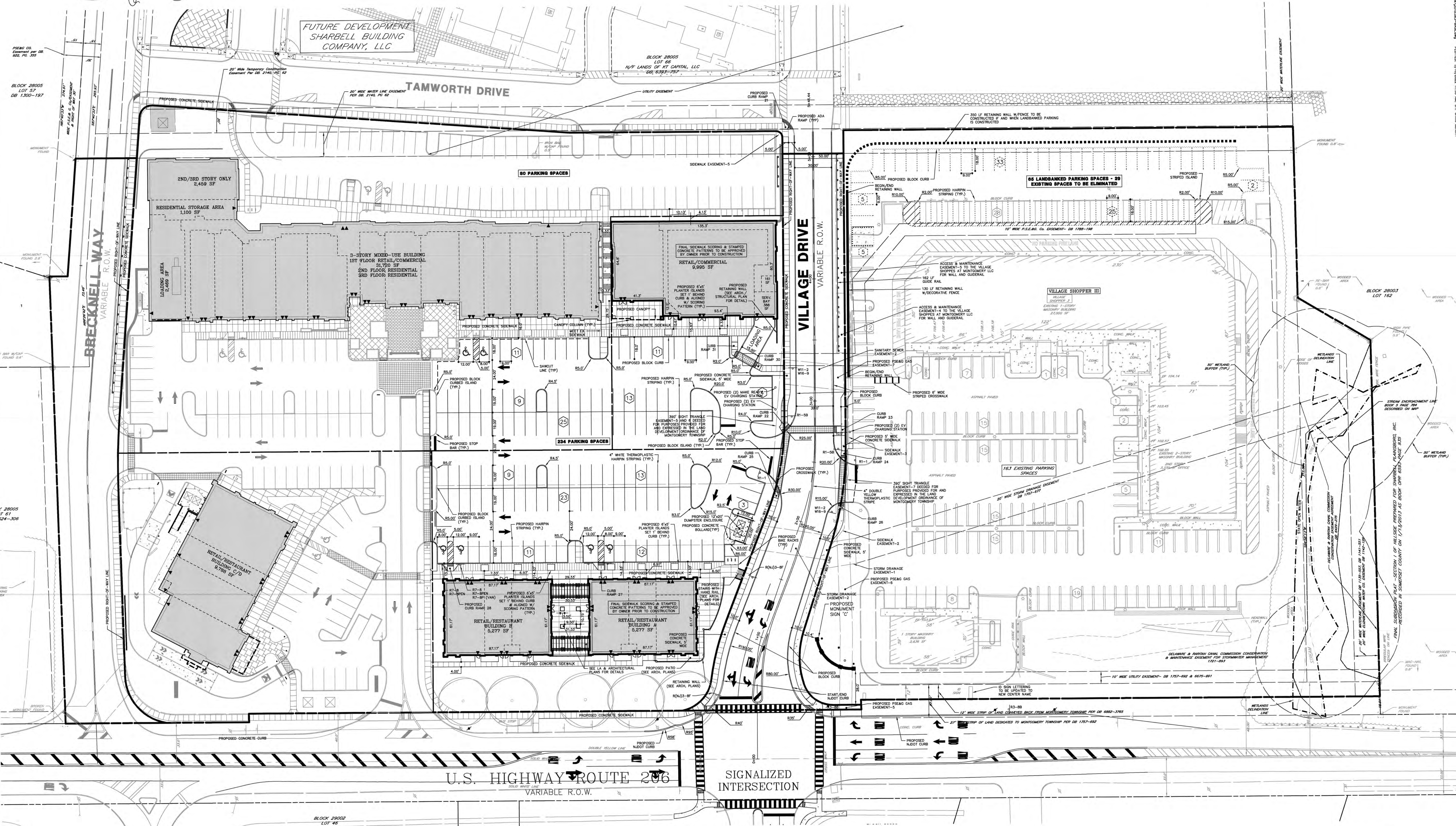
**VILLAGE WALK at MONTGOMERY**  
MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY  
**DEMOLITION PLAN-PHASE 2**  
BLOCK 28007 LOTS 1, 2, 3, & 4; BLOCK 28009 LOT 4 TAX MAP SHEET:55 10.97 ACRES

DATE OF ISSUE: MARCH 16, 2018  
REV 10) FEBRUARY 25, 2022

SCALE: 1"=30'  
JOB # 2015.063  
DWG # DM-2  
SHEET # 11

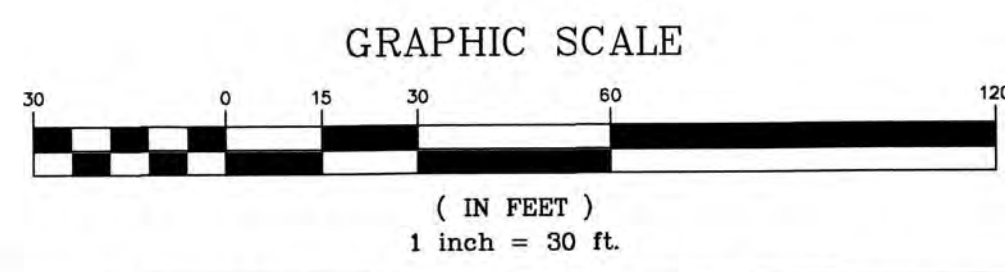


SURVEY



- GENERAL NOTE:  
1. ALL ON-SITE AND MUNICIPAL CURBING TO BE GRANITE BLOCK UNLESS OTHERWISE NOTED. FLUSH CONCRETE CURB TO BE PROVIDED AT ALL ADA RAMPS.  
2. CONCRETE ISLANDS AT THE ENTRANCES TO THE PROPERTY TO BE MOUNTABLE WITH BREAKAWAY SIGNS.  
3. SEE ADA RAMP DETAILS SHEET 35 FOR DETAILED GRADING.  
4. PARKING STALLS STRIPING TO BE 4" WHITE LATEX PAINT UNLESS OTHERWISE NOTED IN DETAIL. SEE HAIRPIN STRIPING AND ADA PARKING STALL STRIPING DETAILS ON SHEET DE-1.

NOTE:  
SPEED LIMIT POSTED 25 MPH/DESIGN SPEED 35 MPH ARE ASSUMED AS BASIS FOR SIGHT LINES AT INTERIOR DRIVEWAYS.



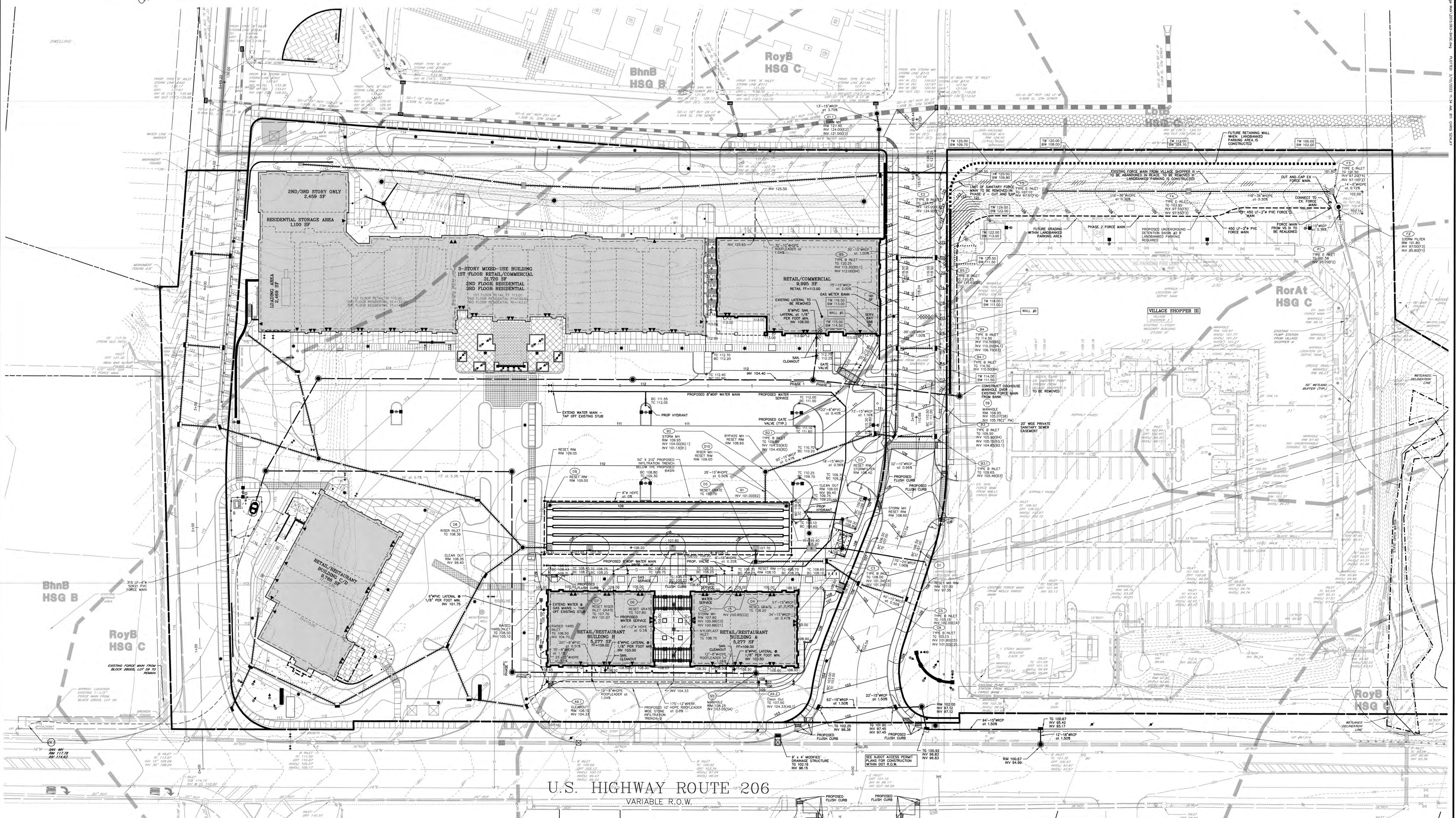
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|---------|--------------------------|
| 1/15/20 | 1) COMPLETENESS REV      |
| 1/15/20 | 2) COMPLETENESS REV      |
| 1/15/20 | 3) TOWNSHIP REV          |
| 1/15/20 | 4) TWA SUBMISSION        |
| 1/15/20 | 5) RESOLUTION COMPLIANCE |
| 1/15/20 | 6) OWNER REV             |
| 1/15/20 | 7) RESOLUTION COMPLIANCE |
| 1/15/20 | 8) RESOLUTION COMPLIANCE |
| 1/15/20 | 9) RESOLUTION COMPLIANCE |
| 1/15/20 | 10) OWNER REV            |
| 1/15/20 | 11) OWNER REV            |
| 1/15/20 | 12) TOWNSHIP REV         |

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CERTIFICATE OF AUTHORIZATION: 240A27951900

**VILLAGE WALK at MONTGOMERY**  
MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY  
**GEOMETRY PLAN-PHASE 2**  
BLOCK 28007 LOTS 1, 2, 3, & 4; BLOCK 28009 LOT 4 TAX MAP SHEET:55 10.97 ACRES

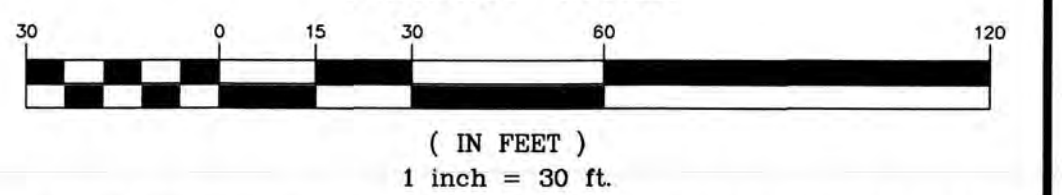
DRWN. BY NF DATE OF ISSUE: MARCH 16, 2018  
DSGN. BY GJS JOB # 2015.063  
CHKD. BY ST SCALE: 1"=30'  
APPRD. BY ST REV 12) FEBRUARY 25, 2022 DWG # GE-2  
SHEET # 12



**NOTES:**

1. ALL FULL FACE BLOCK CURB ON-SITE TO HAVE 6" REVEAL.
2. ALL CURB WITHIN DOT RIGHT-OF-WAY TO BE IN ACCORDANCE WITH NJDOT STANDARDS.
3. ALL PROPOSED SANITARY SEWER THAT ARE NOT LOCATED WITHIN PAVED AREAS BE SUPPLIED WITH MARKING TAPE ABOVE THE PVC PIPE.
4. ALL SANITARY SEWER CONSTRUCTION AND TESTING SHALL CONFORM WITH THE TOWNSHIP STANDARDS.
5. ALL PROPOSED FORCEMAIN ARE REQUIRED TO BE MARKED OUT AND REGISTER WITH THE ONE-CALL SYSTEM.
6. PHASE 2 OF THE PROPOSED SANITARY SEWER IS TO BE CONSTRUCTED PRIOR TO DISRUPTION OF SEWER SERVICE TO VILLAGE SHOPPER III AND BANK, FOLLOWING CONNECTION TO THE NEW SYSTEM, EXISTING FORCEMAINS ON-SITE ARE TO BE REMOVED AND CUT AND ABANDONED AS INDICATED.
7. THE TOWNSHIP DOES NOT ACCEPT THE RESPONSIBILITY OF SANITARY PIPES FROM BLOCK 28007 LOTS 1, 2, 3 & 4 AND BLOCK 28005 AND 65. THE OWNERS OF BLOCK 28007 LOTS 1, 2, 3, & 4 AND BLOCK 28005 LOT 65 WILL MAINTAIN THE SAME.
8. SEE ADA RAMP DETAILS SHEET 35 FOR DETAILED GRADING.

GRAPHIC SCALE



THE STATE OF NEW JERSEY REQUIRES NOTIFICATION BY EXCAVATION DESIGNER ON ANY PERSON PREPARED TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE.

THIS DRAWING IS FOR PERMIT PURPOSES ONLY AND IS NOT TO BE USED FOR CONSTRUCTION UNLESS IT IS APPROVED BY THE TOWNSHIP ENGINEER.

DATE: 03/16/2018  
DRAWN BY: NF  
CHECKED BY: CJS  
APPROVED BY: ST

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DRAWN BY: NF  
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APPROVED BY: ST

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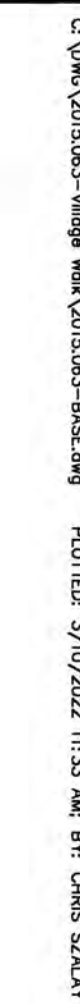
**MENLO ENGINEERING ASSOCIATES, INC.**  
CIVIL ENGINEERS, LAND SURVEYORS AND PROFESSIONAL PLANNERS  
261 CLEVELAND AVENUE HIGHLAND PARK, NEW JERSEY 08904  
PHONE: (732) 846-8585 FAX: (732) 846-9439  
CERTIFICATE OF AUTHORIZATION: 24GA27951900

**VILLAGE WALK at MONTGOMERY**  
MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY  
**GRADING & UTILITY PLAN-PHASE 2**  
BLOCK 28007 LOTS 1, 2, 3, & 4; BLOCK 28009 LOT 4 TAX MAP SHEET: 55 10.97 ACRES

DATE OF ISSUE: MARCH 16, 2018  
REV 14) FEBRUARY 25, 2022

SCALE: 1"=30'  
JOB # 2015.063  
SHEET # 13





THIS DRAWING IS FOR PERMIT PURPOSES ONLY. NO OTHER USES ARE INTENDED. THIS BOX HAS BEEN CHECKED AND DATED.

DATE: \_\_\_\_\_

CHNG BY: \_\_\_\_\_

| REVISION                 |          |
|--------------------------|----------|
| 1) COMPLETNESS REV       | 4/30/18  |
| 2) COMPLETNESS REV       | 6/15/18  |
| 3) TOWNSHIP REV          | 5/24/18  |
| 4) RESOLUTION COMPLIANCE | 3/15/18  |
| 5) OWNER REV             | 07/26/18 |
| 6) TOWNSHIP COMMENTS     | 07/26/18 |
| 7) RESOLUTION COMPLIANCE | 12/13/17 |
| 8) RESOLUTION COMPLIANCE | 11/17/17 |
| 9) RESOLUTION COMPLIANCE | 07/16/17 |
| 10) OWNER REV            | 02/17/17 |
| 11) OWNER REV            | 9/20/16  |
| 12) TOWNSHIP REV         | 07/25/12 |

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**VILLAGE WALK at MONTGOMERY**  
 MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY

**LIGHTING PLAN—PHASE 2**

**BLOCK 28007 LOTS 1, 2, 3, & 4; BLOCK 28009 LOT 4 TAX MAP SHEET: 55 10.97 ACR**

DRWN. BY: KRG  
 DSCN BY: KRG  
 CHKD. BY: KRG  
 APPRD. BY: KRG

DATE OF ISSUE  
**MARCH 16, 2018**  
 REV 12) FEBRUARY 25, 2022

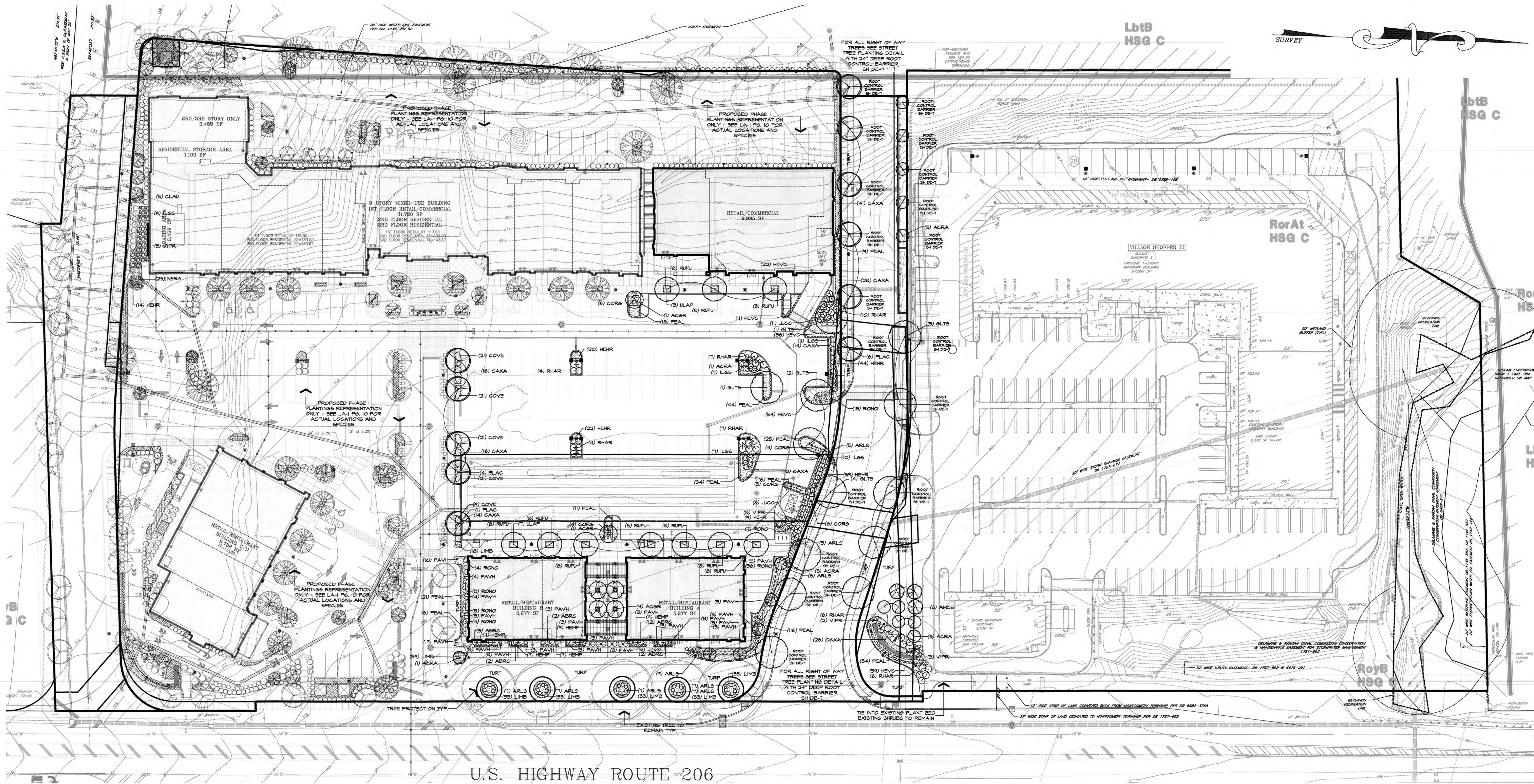
THIS REVISION FORTHCOMES UNDER THE AUTHORITY OF THE TOWNSHIP ENGINEER.

*Kenneth R. Grisewood*  
**KENNETH R. GRISEWOOD**  
 LANDSCAPE ARCHITECT  
 NJ LICENSE # A6300000076

SCALE: 1"=30'  
 JOB # 2015.063  
 DWG # LI-2

1. ALL CONCRETE FOOTINGS BELOW FINISHED GRADE, SHALL BE INSTALLED FOR EACH FIXTURE, SIZE AND DEPTH TO BE DESIGNED BY STRUCTURAL ENGINEER.
2. LIGHT FIXTURES AND POLES TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS.
3. THE HOURS OF OPERATION SHALL BE FROM DUSK TO ONE HOUR AFTER THE LAST TENANT CLOSSES FOR BUSINESS. ALL LIGHTING EXCEPT FOR SECURITY LIGHTING SHALL BE CONTROLLED BY A TIMER. PARKING AREA LIGHTING CONTROLS SHALL BE BY A SINGLE PHOTOCELL OPERATED TIMER DEACTIVATED DURING CONSTRUCTION OR LED DIMMABLE CONTROLLER AS RECOMMENDED BY LIGHT MANUFACTURER.
4. LIGHT STANDARDS LOCATED IN PLANTING AREAS AND TURF AREAS SHALL BE A MINIMUM OF 80" OFF PAVEMENT CURB FACE. FOOTINGS WITHIN PARKING AREAS SHALL BE 30" ABOVE ADJACENT PAVEMENT GRADE. ALL FOUNDATIONS SHALL BE CYLINDRICAL. POLE HEIGHTS SHALL BE ADJUSTED TO ACCOMMODATE FOUNDATIONS USED WHILE MAINTAINING LUMINAIRE MOUNTING HEIGHT. FOUNDATIONS FOR DECORATIVE POLES AND BOLLARDS IN PAVEMENT SHALL HAVE A 4-INCH REVEAL ONLY.
5. ALL CIRCUIT DIAGRAMS AND ELECTRICAL PLANS FOR EXTERIOR LIGHTING TO SERVICE PANEL SHALL BE DESIGNED BY INTERIOR LIGHTING CONTRACTOR/ENGINEER.
6. INSTALLATION OF ALL SITE LIGHTING ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STANDARDS, CODES, AND LAWS.
7. THIS PLAN WAS PRODUCED USING LIGHTING ANALYSIS AIA PROGRAM WITH THE APPROPRIATE PHOTOMETRIC FILES SUPPLIED BY PHILIPS LIGHTING SOMERSET, NJ 4 SENTRY LIGHTING.
8. THE CONTRACTOR SHALL FIELD VERIFY EXISTING OVERHEAD WIRES FOR CLEARANCE REQUIREMENTS. THE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT/ENGINEER FOR ANY CONFLICTS PRIOR TO ORDERING LIGHTING EQUIPMENT.
9. THE CONTRACT DRAWINGS INDICATE THE APPROXIMATE LOCATION OF EXISTING SUBSURFACE UTILITIES IN THE VICINITY OF THE PROJECT AND ARE NOT GUARANTEED FOR ACCURACY AND/OR COMPLETENESS. CONTRACTOR TO VERIFY THE DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. (1-800-272-0100). ANY CONFLICTS WITH PROPOSED CONSTRUCTION ARE TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER, AND LANDSCAPE ARCHITECT. ALL EXISTING UTILITIES SHALL BE RELOCATED OR ALTERED IN ANY MANNER SHALL BE DONE IN ACCORDANCE WITH THE RESPECTIVE UTILITY COMPANIES STANDARDS. ALL EXISTING UTILITIES EXPOSED DURING CONSTRUCTION ARE TO BE SUPPORTED UNTIL BACKFILL IS IN PLACE.
10. THIS PROJECT REQUIRES A VARIANCE FROM SECTION 16-2.8-3.K(1)(II) RESTRICITING THE AVERAGE LIGHT LEVEL TO 1.0 FOOT-CANDELES. THIS PLAN PROVIDES 1.62 FOOT-CANDELES FOR THE COMMERCIAL PARKING AREA ON VILLAGE WALK. ALL POLE MOUNTED FIXTURES ARE "FULL-CUTOFF" FIXTURES AS REQUIRED BY ORDINANCE.
11. THIS PROJECT REQUIRES A VARIANCE FROM SECTION 16-2.8-3.K(1)(II) RESTRICITING THE ILLUMINATION LEVELS (HORIZONTAL FOOT-CANDELES) TO A MAXIMUM OF 0.1 FOOT-CANDELES AT TRACT BOUNDARIES EXCEPT FOR INTERSECTIONS WITH STREETS/DRIVEWAYS. THIS PLAN PROVIDES GREATER THAN 0.1 FOOT-CANDELES AT THE TRACT BOUNDARIES DUE TO CONTRIBUTORY LIGHT LEVELS PRODUCED FROM THE REQUIRED STREET LIGHTING ALONG ENTIRE TRACT.
11. TOWNSHIP STANDARDS SHALL GOVERN THE SITE LIGHTING, INCLUDING HOURS AND METHOD OF OPERATION.



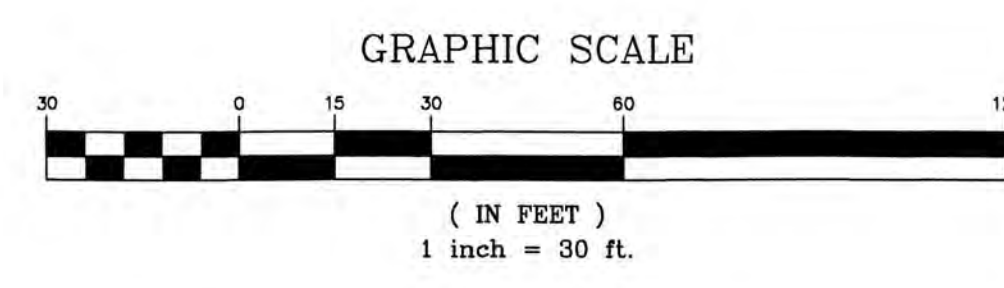


PLANT SCHEDULE PHASE 2

| DECIDUOUS TREES | QTY | BOTANICAL NAME                                 | COMMON NAME                          | MATURE SPREAD | MATURE HT.   | CALIPER        | PLANTING HT. | TYPE   | REMARKS                                            |
|-----------------|-----|------------------------------------------------|--------------------------------------|---------------|--------------|----------------|--------------|--------|----------------------------------------------------|
| ACRA            | 17  | ACER RUBRUM 'ARMSTRONG'S'                      | ARMSTRONG'S RED MAPLE                | 15'           | 60'          | 2.5"-3" CAL.   | 12'-14'      | B4B    | STRAIGHT, SYMMETRICAL, FULL CROWN, HEAD TO 1'      |
| GLTS            | 15  | GLUEDISIA TRIACANTHOS 'NORM'S SHADENMASTER' TM | SHADENMASTER THORNLESS LOCUST        | 40'           | 50'          | 2.5"-3" CAL.   | 12'-14'      | B4B    | STRAIGHT, SYMMETRICAL, FULL CROWN, HEAD TO 1'      |
| PLAC            | 11  | PLATANUS X ACERIFOLIA 'BLOODGOOD'              | BLOODGOOD LONDON PLANE TREE          | 50'           | 60'          | 2.5"-3" CAL.   | 12'-14'      | B4B    | STRAIGHT, SYMMETRICAL, FULL CROWN, HEAD TO 1'      |
| ULAP            | 10  | ULMUS AMERICANA 'FRINCTION'                    | AMERICAN ELM                         | 40'           | 60'          | 2.5"-3" CAL.   | 14'-16'      | B4B    | STRAIGHT, SYMMETRICAL, FULL CROWN, HEAD TO 1'      |
| EVERGREEN TREES | QTY | BOTANICAL NAME                                 | COMMON NAME                          | MATURE SPREAD | MATURE HT.   | CALIPER        | PLANTING HT. | TYPE   | REMARKS                                            |
| JJGO            | 19  | JUNIPERUS CHINENSIS 'HETZU' COLUMARIAS'        | HETZU COLUMARIAS                     | 6'            | 15'          | 1.5"-2" CAL.   | 7'-9'        | B4B    | STRAIGHT, SYMMETRICAL, DENSE, LOW BRANCHED         |
| FLOWERING TREES | QTY | BOTANICAL NAME                                 | COMMON NAME                          | MATURE SPREAD | MATURE HT.   | CALIPER        | PLANTING HT. | TYPE   | REMARKS                                            |
| ACRA            | 6   | ACER GRiseum                                   | PAPERBARK MAPLE                      | 20'           | 25'          | 1.5"-2" CAL.   | 4'-10'       | B4B    | SINGLE STEM, INFORMAL BALANCE, HEAVY               |
| AMCS            | 3   | AMELANCHIER CANADENSIS 'SPRINGTIME'            | SPRINGTIME SHADBLON SERVICEBERRY     | 15'           | 25'          | (3) STEM CLUMP | 4'-10'       | B4B    | (3) STEM CLUMP, SYMMETRICAL, LOW BRANCHED          |
| SHRUBS          | QTY | BOTANICAL NAME                                 | COMMON NAME                          | WIDTH         | HEIGHT       | PLANTING WIDTH | PLANTING HT. | TYPE   | REMARKS                                            |
| ABRC            | 23  | ABELIA X GRANDIFLORA 'ROSE CREEK'              | ROSE CREEK ABELIA                    | 3'            | 2'           | 18"-24"        | 15'-24"      | #5 CAN | (4) CANES MIN. DENSE, WELL FURNISHED               |
| ARLS            | 60  | ARONIA MELANOCARPA 'LOA SCAPE MOUND'           | LOA SCAPE MOUND CHOKEBERRY           | 3'            | 2'           | 18"-24"        | 15'-24"      | #5 CAN | (4) CANES MIN. DENSE, WELL FURNISHED               |
| CORS            | 23  | CORNUS ALBA 'RED GNOHE'                        | RED GNOHE SIBERIAN DOGWOOD           | 3'            | 4'           | 18"-24"        | 15'-24"      | B4B    | WELL FURNISHED, (5) CANES MIN. DENSE, SPACE EVENLY |
| ILGS            | 55  | ILEX GLABRA 'SHAMROCK'                         | SHAMROCK INCBERRY                    | 5'            | 5'           | 18"-24"        | 15'-24"      | #5 CAN | SYMMETRICAL, DENSE, LOW BRANCHED, SPACE EVENLY     |
| RHAR            | 44  | RHUS ARZAMATICA 'GRO-LOW'                      | GRO-LOW FRAGRANT SUMAC               | 8'            | 3'           | 18"-24"        | 15'-24"      | #5 CAN | DENSE, WELL FURNISHED, SYMMETRICAL, LOW BRANCHED   |
| ROND            | 72  | ROSA X 'NOASHNEE'                              | FLOYER CARPET WHITE GROUNDCOVER ROSE | 3'            | 2.5'         | 15'-18"        | 15'-24"      | #5 CAN | DENSE, WELL FURNISHED, LOW BRANCHED                |
| VIFR            | 6   | VIBURNUM X FRAGENSE                            | FRAGUE VIBURNUM                      | 10'           | 10'          | 5'-6'          | 5'-6'        | B4B    | DENSE, WELL FURNISHED, SYMMETRICAL, LOW BRANCHED   |
| GROUND COVERS   | QTY | BOTANICAL NAME                                 | COMMON NAME                          | CONTAINER     | MATURE WIDTH | MATURE HT.     | SPREADING    | TYPE   | REMARKS                                            |
| CAXA            | 167 | CALAMAGROSTIS X ACUTIFLORA 'KARL FORSTER'      | KARL FORSTER FEATHER REED GRASS      | #5 CAN        | 2'           | 4"             | 24" o.c.     | B4B    | CLUMP, DENSE, WELL ROOTED                          |
| COVE            | 43  | COREOPSIS VERTICILLATA 'MOONBEAM'              | MOONBEAM COREOPSIS                   | #16 CAN       | 15"          | 12"            | 18" o.c.     | B4B    | HEAVY CLUMP, WELL ROOTED                           |
| HEHR            | 154 | HEMEROCALLIS HYBRID 'HAPPY RETURNS'            | HAPPY RETURNS DAYLILY                | #2 CAN        | 1.5'         | 1.5'           | 18" o.c.     | B4B    | (3) FAN CLUMP, WELL ROOTED                         |
| HEHR            | 56  | HEUCHERA MICRANTHA 'PALACE PURPLE'             | PALACE PURPLE CORAL BELLS            | #2 CAN        | 1.5'         | 1.5'           | 18" o.c.     | B4B    | WELL FURNISHED, WELL ROOTED                        |
| HEVC            | 162 | HEUCHERA VILLOSA 'CARMEL'                      | CORAL BELLS                          | #2 CAN        | 1.5'         | 1.5'           | 18" o.c.     | B4B    | WELL FURNISHED, WELL ROOTED                        |
| LIMB            | 342 | LIRIOPE MUSCARI 'BIG BLUE'                     | BIG BLUE LILYTURF                    | #1 CAN        | 2.5'         | 4"             | 12" o.c.     | B4B    | (3) FAN CLUMP, WELL ROOTED                         |
| PAVH            | 100 | PANICUM VIRGATUM 'HEAVY METAL'                 | HEAVY METAL SWITCH GRASS             | #2 CAN        | 2.5'         | 4"             | 24" o.c.     | B4B    | CLUMP, DENSE, WELL ROOTED                          |
| PEAL            | 324 | PENISSETUM ALOPECUROIDES 'HAMELI'              | HAMELI DWARF FOUNTAIN GRASS          | #2 CAN        | 1.5'         | 2"             | 24" o.c.     | B4B    | CLUMP, DENSE, WELL ROOTED                          |
| RUFU            | 80  | RUEBECKIA FULIDA 'GOLDSTURM'                   | GOLDSTURM BLACK-EYED SUSAN           | #2 CAN        | 2"           | 2"             | 24" o.c.     | B4B    | (3) FAN CLUMP, WELL ROOTED                         |

GENERAL LANDSCAPE NOTES:

- NO SUBSTITUTIONS IN THE PLANT LIST IS TO BE MADE UNLESS AUTHORIZED BY THE LANDSCAPE ARCHITECT AND APPROVED BY THE OWNER AND THE TOWNSHIP.
- ALL DISTURBED AND PERMANENT TURF AREAS SHALL BE SEEDING WITH A GENERAL PURPOSE MIXTURE SIMILAR TO THE FOLLOWING: 50% SEED MIX #4 (TALL TURF) FESCUE, KENTUCKY BLUEGRASS, PERENNIAL Ryegrass OR APPROVED EQUAL. SEE SCS DETAIL SHEETS FOR SEEDING SPECIFICATIONS.
- ALL PLANTING BEDS TO BE MULCHED WITH (5) INCH MINIMUM MULCH (SEE PLANTING NOTE #20). MULCH VOLCANOES (MOUNDS) AROUND TREES ARE PROHIBITED.
- TORUS PROTECTION: NO TORUS SHALL BE REMOVED FROM THE SITE OR USED AS A SHILL. ALL TORUS, MOVED DURING THE COURSE OF CONSTRUCTION SHALL BE REDISTRIBUTED ON ALL REMAINING SURFACES AS TO PROVIDE AN EVEN COVER AND SHALL BE STABILIZED BY SEEDING OR PLANTING. ALL REMOVED TORUS AREAS SHALL BE COVERED BY A SIX (6) INCH MINIMUM THICKNESS OF TOPSOIL OR NOT AVAILABLE ON THE SITE. TOPSOIL, MOVED OR EXCESSING THE MINIMUM REQUIREMENTS FOR REDISTRIBUTION SPECIFICATIONS SHALL BE PROVIDED TO RESULT IN A SIX (6) INCH MINIMUM THICKNESS. ANY IMPORTED TOPSOIL ON SUBSOL SHALL BE NEEP CERTIFIED FREE OF ANY TOXINS OR HAZARDOUS CHEMICALS.
- LAWN AREAS SHALL MAINTAIN A MINIMUM SLOPE OF 3% AND A MAXIMUM OF (3) FEET VERTICAL AND BE TILLED TO A DEPTH OF EIGHTEEN (18) INCHES.
- UNACCEPTABLE PLANT MATERIALS: MATERIALS WHICH HAVE DAMAGED OR GROWING LEADERS, DEFORMED GROWTH HABIT, ABRASIONS OF THE BARK, BUNGALES, INJURIES, DISFIGURING KNOTS OR FRESH CUTS OF LIMBS OVER 3/4 IN. WHICH HAVE NOT COMPLETELY CALLED. IN ADDITION TREES HAVING THEIR CENTRAL LEADERS HEADED BACK FULL ALSO BE REJECTED.
- SURVEY PLANTING ISLANDS, PARKING AREA ISLANDS AND FOUNDATION PLANTING BEDS SHALL RECEIVE A MINIMUM OF (2) FEET OF TOPSOIL. MATURE TREES OR EXCEEDING THE MINIMUM ALDO SPECIFICATIONS.
- ALL PLANT MATERIALS LOCATED WITHIN EIGHT TRIANGLES SHALL BE MAINTAINED NOT TO EXCEED A MAXIMUM OF (56) INCHES ABOVE PAVEMENT AND TREES SHALL BE LINED TO MAINTAIN A MINIMUM CLEARANCE OF (7) FEET ABOVE THE TOP OF CURBS OR SIDEWALKS FOR SIGHT VISIBILITY.
- THE CONTRACT DRAWINGS INDICATE THE APPROXIMATE LOCATION OF EXISTING SURFACE UTILITIES IN THE VICINITY OF THE PROJECT AND ARE NOT GUARANTEED FOR ACCURACY AND/OR COMPLETENESS. CONTRACTOR TO VERIFY DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION (0-800-275-5000). ANY CONFLICTS WITH PROPOSED CONSTRUCTION ARE TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER AND THE LANDSCAPE ARCHITECT. ALL EXISTING UTILITIES THAT ARE TO BE RELOCATED OR ALTERED IN ANY MANNER SHALL BE DONE IN ACCORDANCE WITH THE RESPECTIVE UTILITY COMPANIES STANDARDS. ALL EXISTING UTILITIES EXPOSED DURING CONSTRUCTION SHALL BE SUPPORTED UNTIL BACKFILL IS IN PLACE.
- IRRIGATION SHALL BE PROVIDED FOR PLANT MATERIAL IF INDICATED ON THE PLAN OR AT THE OWNER'S DIRECTION DESIGN TO BE PROVIDED BY IRRIGATION PROFESSIONAL.
- FINAL LOCATIONS OF BUFFER PLANTINGS (IF REQUIRED) LOCATED WITHIN EXISTING TREE CANOPY AREAS SHALL BE PLACED BASED ON EXISTING TREE LOCATIONS IDENTIFIED IN THE FIELD. EXISTING TREES SHALL BE PLACED PRIOR TO ANY PLANTING IN THE TREE CANOPY. FINAL LOCATIONS TO BE APPROVED BY TOWNSHIP ENGINEER OR TOWNSHIP LANDSCAPE ARCHITECT.
- SEE DETAIL SHEETS FOR ADDITIONAL PLANTING NOTES AND DETAILS.
- ALL SHADE TREES, EVERGREENS, AND FLOWERING TREES SHALL BE PROVIDED WITH "SATOR BAGS" 1/2 IN. OR EQUAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING WATER TO ALL PLANTINGS AND LAWN AREAS UNTIL FINAL ACCEPTANCE.
- PRIOR TO THE INSTALLATION OF ANY PLANT MATERIAL, BEDDING OR SOEDING OF LAWN AREAS, THE CONTRACTOR SHALL OBTAIN PHYSICAL, CHEMICAL, AND SOIL FERTILITY TESTS FROM AN APPROVED LAB TO DETERMINE NUTRIENT CONCENTRATIONS AND STABILITY. THE TESTING SHALL BE AT A RATE OF EITHER ONE TEST PER 500 SQ. YARDS OF PLANTING MIX OR ONE TEST PER 500 SQ. YARDS OF LANDSCAPE SURFACE AREA. THE SOILS SHALL BE AMENDED IN ACCORDANCE WITH THE TEST RESULTS FOR OPTIMAL PANT AND LAWN GROWTH. THE RESULTS OF ALL TESTS SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR REVIEW.
- QUANTITIES OF PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR FOR AT LEAST (2) YEARS FROM THE DATE OF LANDSCAPE INSPECTION FOR APPROVAL AND ANY PLANT MATERIAL THAT DOES NOT SURVIVE WITHIN THAT PERIOD OR IS IN POOR CONDITION BASED UPON THE OPINION OF THE TOWNSHIP LANDSCAPE ARCHITECT SHALL BE REPLACED BY PLANT MATERIAL OF EQUAL OR BETTER QUALITY. REPLACEMENTS SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANTING SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THE ABOVE STATED.
- A MINIMUM 24" DEEP ROOT BARRIER SHALL BE PROVIDED ALONG THE SIDEWALKS WHERE STREET TREES BORDER THE SIDEWALK ALONG THE PROPOSED ROADWAYS.



THIS PLAN IS FOR PERMANENT PURPOSES ONLY - NOT FOR CONSTRUCTION UNITS. THIS BOX HAS BEEN CHECKED AND DATED. DRAWN BY: DATE: 1/25/22

REVISIONS

|                          |          |
|--------------------------|----------|
| 1) COMPLETENESS REV      | 4/25/18  |
| 2) COMPLETENESS REV      | 6/15/18  |
| 3) RESOLUTION COMPLIANCE | 3/15/19  |
| 4) RESOLUTION COMPLIANCE | 1/15/20  |
| 5) TOWNSHIP COMMENTS     | 12/15/20 |
| 6) TOWNSHIP COMMENTS     | 1/31/21  |
| 7) RESOLUTION COMPLIANCE | 2/15/21  |
| 8) RESOLUTION COMPLIANCE | 7/15/21  |
| 9) OWNER REV             | 1/27/21  |
| 10) OWNER REV            | 4/25/22  |
| 11) TOWNSHIP REVISIONS   | 2/25/22  |

THIS WORK WAS PREPARED UNDER MY PROFESSIONAL SUPERVISION.

KENNETH R. GRISEWOOD  
LANDSCAPE ARCHITECT  
NJ LICENSE #45000071

**MENLO ENGINEERING ASSOCIATES, INC.**  
CIVIL ENGINEERS, LAND SURVEYORS AND PROFESSIONAL PLANNERS  
281 CLEVELAND AVENUE HIGHLAND PARK, NEW JERSEY 08904  
PHONE: (732) 846-8585 FAX: (732) 846-9439  
CERTIFICATE OF AUTHORIZATION: 246A27951900

**VILLAGE WALK at MONTGOMERY**  
TOWNSHIP OF MONTGOMERY, SOMERSET COUNTY, NEW JERSEY  
**LANDSCAPE PLAN-2**

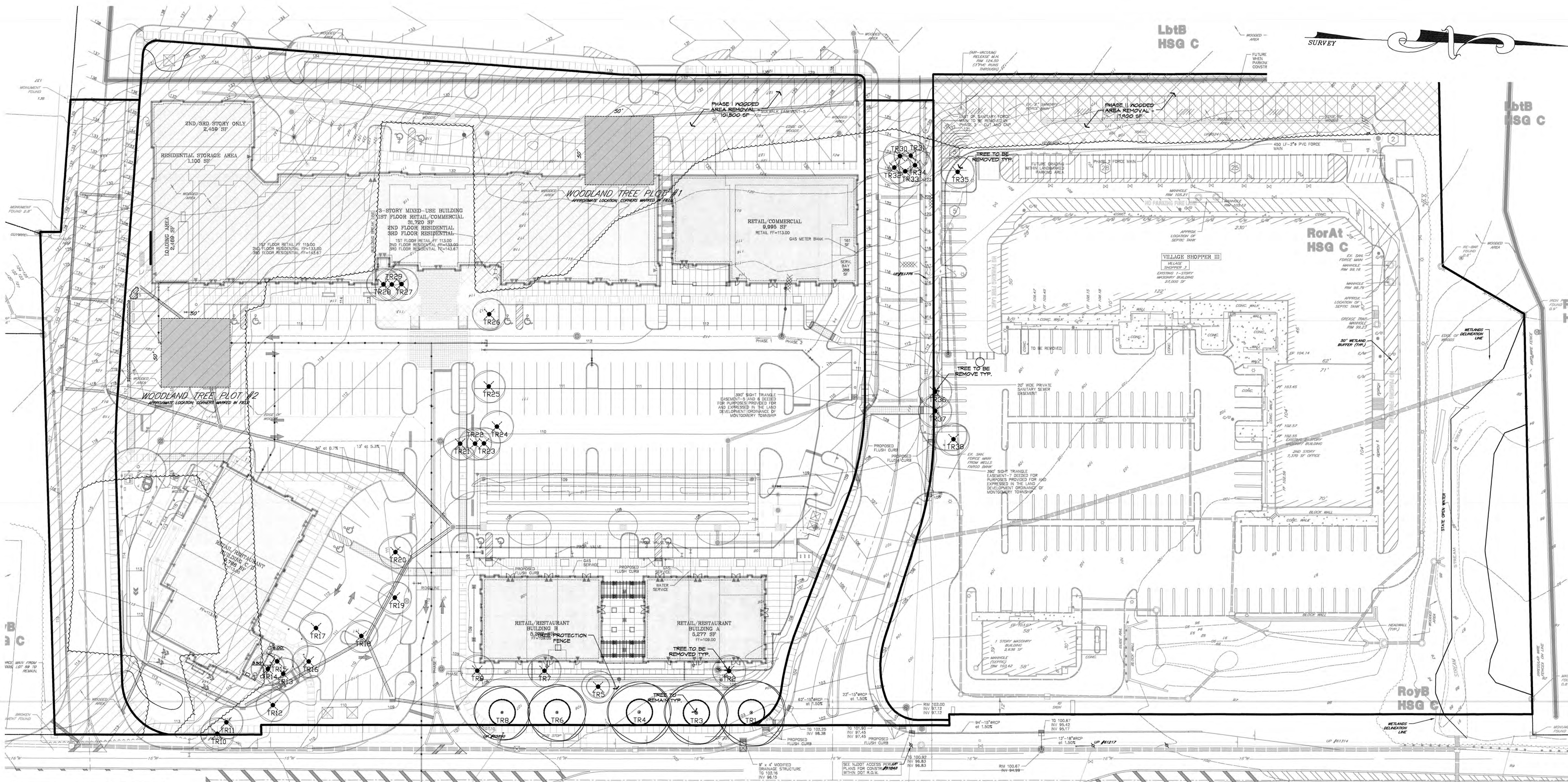
BLOCK 26005 LOTS 60, 65, 68 & 69 TAX MAP SHEET:55 10.97 ACRES

DATE OF ISSUE: MARCH 16, 2018  
REV 11) FEBRUARY 25, 2022

SCALE: 1"=30'  
JOB # 2015.063  
DWG # LA-2  
SHEET # 15

DRWN BY: ZWR  
DSGN BY: ZWR  
CHKD BY: KRQ  
APPRD BY: KRQ





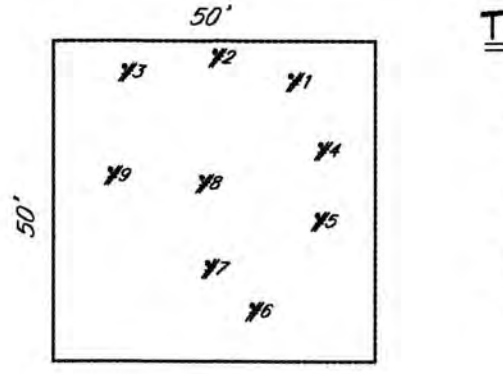
| TREE INVENTORY |           |           |        |
|----------------|-----------|-----------|--------|
| TREE           | SIZE      | SPECIES   | STATUS |
| 1              | 21"       | OAK       | REMAIN |
| 2              | 4"        | CRABAPPLE | REMOVE |
| 3              | 28"       | OAK       | REMAIN |
| 4              | 24"       | OAK       | REMAIN |
| 5              | 8"        | CRABAPPLE | REMOVE |
| 6              | 20"       | OAK       | REMAIN |
| 7              | 7"        | CRABAPPLE | REMOVE |
| 8              | 21"       | OAK       | REMAIN |
| 9              | 8 1/2"    | CRABAPPLE | REMOVE |
| 10             | 10"       | CYPRESS   | REMOVE |
| 11             | 11"       | CYPRESS   | REMOVE |
| 12             | 23"       | MAPLE     | REMOVE |
| 13             | 8"        | SPRUCE    | REMOVE |
| 14             | 8"        | SPRUCE    | REMOVE |
| 15             | 8"        | SPRUCE    | REMOVE |
| 16             | 50"38"30" | MAPLE     | REMOVE |
| 17             | 4"        | CHERRY    | REMOVE |
| 18             | 11"11"3"  | MAGNOLIA  | REMOVE |
| 19             | 4"        | MAPLE     | REMOVE |
| 20             | 4"        | CRABAPPLE | REMAIN |
| 21             | 9"        | PINE      | REMOVE |
| 22             | 8"        | PINE      | REMOVE |
| 23             | 10"       | PINE      | REMOVE |
| 24             | 14"       | PINE      | REMAIN |
| 25             | 6"        | LOCUST    | REMOVE |
| 26             | 11"       | PINE      | REMOVE |
| 27             | 7"        | PINE      | REMOVE |
| 28             | 6"        | PINE      | REMOVE |
| 29             | 8"        | PINE      | REMOVE |
| 30             | 8"        | OAK       | REMOVE |
| 31             | 8"        | OAK       | REMOVE |
| 32             | 8"        | OAK       | REMOVE |
| 33             | 8"        | OAK       | REMOVE |
| 34             | 8"        | OAK       | REMOVE |
| 35             | 13"       | PINE      | REMOVE |
| 36             | 16"       | PINE      | REMOVE |
| 37             | 21"       | OAK       | REMOVE |
| 38             | 16"       | OAK       | REMOVE |

**PHASE I WOODED AREA TREE REPLACEMENT CALCULATIONS**  
TOTAL WOODED AREA TO BE REMOVED = 2.33 ACRES OR 101,500 SF  
SAMPLED AREA (2 PLOTS @ 150' X 50') = 5,000 SF OR 4.1% OF THE WOODED AREA REMOVED IN PHASE I  
DBH (INCHES) COMBINED NUMBER OF TREES IN PLOTS 1 & 2  
6-12" (1) TREE (1) TREES ARE DEAD, DYING, OR DEFORMED  
12-18" (1) TREE  
TOTAL NUMBER OF WOODED AREA TREES TO BE REMOVED BASED ON 5,000 SF SAMPLE AREA  
AVERAGE WOODED ACRE = 43,560 SF / 5,000 SF = 8.71  
DBH (INCHES) # OF TREES IN PLOT # NUMBER OF TREES / ACRE  
6-12" (1) TREES 11 X (8.71 FACTOR) = 95.8 TREES/ACRE X 2.33 ACRES = 223 TREES  
12-18" (1) TREE 1 X (8.71 FACTOR) = 8.71 TREES/ACRE X 2.33 ACRES = 20 TREES

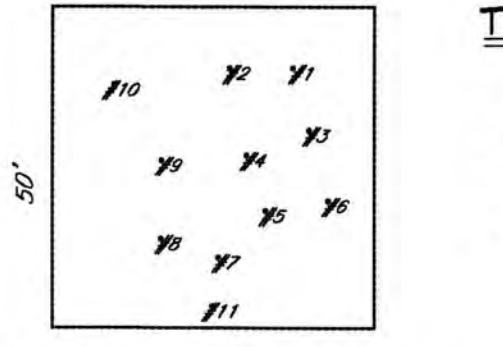
**PHASE II WOODED AREA TREE REPLACEMENT CALCULATIONS**  
TOTAL WOODED AREA TO BE REMOVED = 0.41 ACRES OR 17,400 SF  
SAMPLED AREA (PLOT 1 ONLY) @ 150' X 50' = 2,500 SF OR 14% OF THE WOODED AREA REMOVED IN PHASE II  
DBH (INCHES) COMBINED NUMBER OF TREES IN PLOTS 1 & 2  
6-12" (4) TREES (7) TREES ARE DEAD, DYING, OR DEFORMED  
TOTAL NUMBER OF WOODED AREA TREES TO BE REMOVED BASED ON 2,500 SF SAMPLE AREA  
AVERAGE WOODED ACRE = 43,560 SF / 2,500 SF = 17.4  
DBH (INCHES) # OF TREES IN PLOT # NUMBER OF TREES / ACRE  
6-12" (2) TREES 2 X (17.4 FACTOR) = 35 TREES/ACRE X 0.41 ACRES = 15 TREES

AN ESTIMATED TOTAL OF 238 TREES ARE TO BE REMOVED BASED ON WOODLAND TREE PLOT CALCULATIONS  
AN ADDITIONAL 53 TREES INDICATED ON THE TREE INVENTORY TABLE ARE TO BE REMOVED  
\*TOTAL TREE REMOVAL FOR PHASES I AND II IS ESTIMATED TO BE 291 TREES

**TREE INVENTORY KEY**  
• TRX EXISTING TREE (REMAINS)  
X TRX EXISTING TREE (REMOVED)  
TRI TREE NUMBER



WOODLAND TREE PLOT #1  
APPROXIMATE LOCATION CORNERS MARKED IN FIELD



WOODLAND TREE PLOT #2  
APPROXIMATE LOCATION CORNERS MARKED IN FIELD

**TREE PLOT 1 INVENTORY**  
1) 6" ELM (DYING)  
2) 4 1/2" ELM  
3) 1 1/2" LOCUST (DYING)  
4) 1" LOCUST (DEFORMED)  
5) 6" LOCUST (DYING)  
6) 8" LOCUST  
7) 8" LOCUST (DEFORMED)  
8) 11" LOCUST (DYING)  
9) 6" CHERRY (DYING)

**TREE PLOT 2 INVENTORY**  
1) 6" LOCUST  
2) 8" LOCUST  
3) 1" LOCUST  
4) 6" LOCUST  
5) 6" LOCUST  
6) 11" LOCUST  
7) 1" CHERRY (DEFORMED)  
8) 4" CHERRY (DYING)  
9) 4" CHERRY (DEFORMED)  
10) 1" CHERRY (DEAD)  
11) 1" CHERRY (DYING)



THIS DRAWING IS FOR PERMITS PURPOSES ONLY - NOT FOR CONSTRUCTION UNTIL THE BOX HAS BEEN CHECKED AND DATED.

DRAWN BY: ZWR  
DSGN BY: ZWR  
CHKD BY: KRG  
APPRD BY: KRG

DATE: 02/25/22

REVISIONS

|                          |          |
|--------------------------|----------|
| 1) COMPLETENESS REVS     | 4/20/18  |
| 2) COMPLETENESS REVS     | 8/15/18  |
| 3) RESOLUTION COMPLIANCE | 3/15/19  |
| 4) RESOLUTION COMPLIANCE | 11/27/19 |
| 5) RESOLUTION COMPLIANCE | 02/07/20 |
| 6) RESOLUTION COMPLIANCE | 02/16/21 |
| 7) OWNER REVS            | 02/22/21 |
| 8) OWNER REVS            | 02/22/22 |

KENNETH R. GRISEWOOD  
LANDSCAPE ARCHITECT  
NJ LICENSE #A5000071

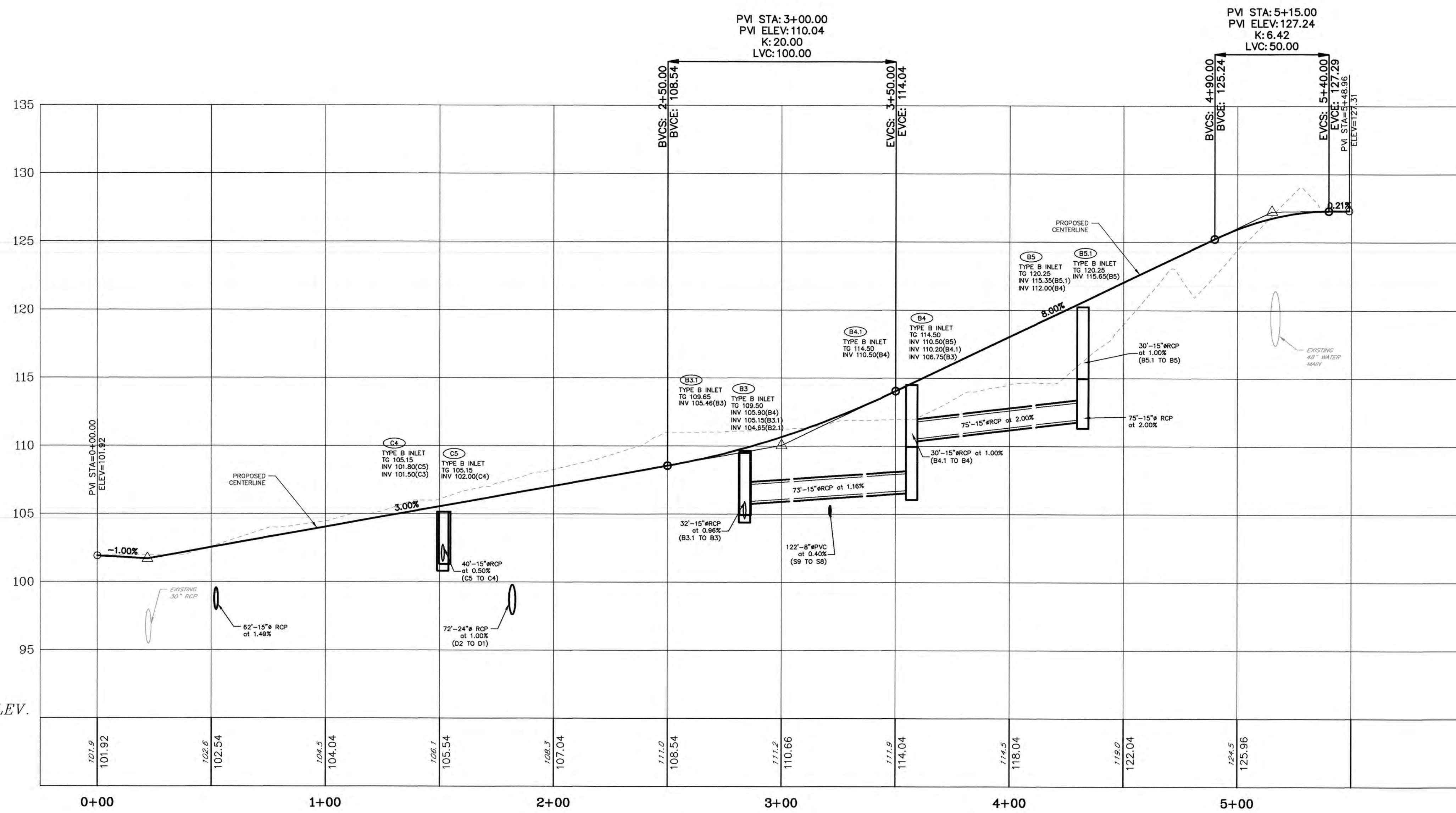
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PHONE: (732) 846-8585 FAX: (732) 846-9439  
CERTIFICATE OF AUTHORIZATION: 246427351900

**VILLAGE WALK at MONTGOMERY**  
TOWNSHIP OF MONTGOMERY, SOMERSET COUNTY, NEW JERSEY  
**WOODLANDS MANAGEMENT PLAN**  
BLOCK 26005 LOTS 60, 65, 68 & 69 TAX MAP SHEET:55 10.97 ACRES

DATE OF ISSUE: MARCH 16, 2018  
REV. 6) FEBRUARY 25, 2022

SCALE: 1"=30'  
JOB # 2015.063  
DWG # WMP-1  
SHEET # 16





VERTICAL GRAPHIC SCALE

5 0 2.5 5 10 20

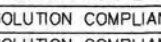
( IN FEET )  
1 inch = 5 ft.

A vertical graphic scale with a total height of 10 inches. The scale is divided into four equal vertical sections, each 2.5 inches high. The first section on the left is a checkerboard pattern. The remaining three sections are solid black. Numerical labels are placed to the left of the scale: 5 at the top, 0 at the first division line, 2.5 at the second division line, 5 at the third division line, 10 at the bottom of the third section, and 20 at the bottom of the fourth section.

|                                                                                                                                                                                   |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| THIS DRAWING IS FOR PERMIT PURPOSES ONLY. NOT FOR CONSTRUCTION. UNLESS NOTED OTHERWISE, THIS DRAWING AND ALL INFORMATION CONTAINED HEREIN IS FOR THE USE OF THE BOARD AND UNITED. | REVISIONS<br>1) COMPLETENESS REV'S 4/30/18<br>2) TOWNSHIP REV'S 5/28/18<br>3) RESOLUTION COMPLIANCE 5/25/18<br>4) RESOLUTION COMPLIANCE 11/01/19<br>5) RESOLUTION COMPLIANCE 2/20/22<br>6) TOWNSHIP REV'S 2/22/22 |  <p> <b>MENLO ENGINEERING ASSOCIATES, INC.</b><br/>         CIVIL ENGINEERS, LAND SURVEYORS AND PROFESSIONAL PLANNERS<br/>         281 CLEVELAND AVENUE HIGHLAND PARK, NEW JERSEY 08904<br/>         PHONE: (732) 846-8585 FAX: (732) 846-9439<br/>         CERTIFICATE OF AUTHORIZATION: 26A027951900       </p> |
|                                                                                                                                                                                   | <h2 style="text-align: center;">VILLAGE WALK at MONTGOMERY</h2>                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                   | <p style="text-align: center;">MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY</p>                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                   | <h1 style="text-align: center;">ROAD PROFILES-1</h1>                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                   | <p style="text-align: center;"> <b>BLOCK 28007 LOTS 1, 2, 3, &amp; 4; BLOCK 28009 LOT 4 TAX MAP SHEET:55 10.97 ACRES</b> </p>                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                        |

DATE: \_\_\_\_\_

CHNG BY: \_\_\_\_\_

  
**SCOTT H. TURNER**  
 PROFESSIONAL ENGINEER  
 NJ 04363811

THIS WORK PREPARED UNDER MY IMMEDIATE SUPERVISION.

DATE OF ISSUE: **MARCH 16, 2018**

REV 6) FEBRUARY 25, 2022

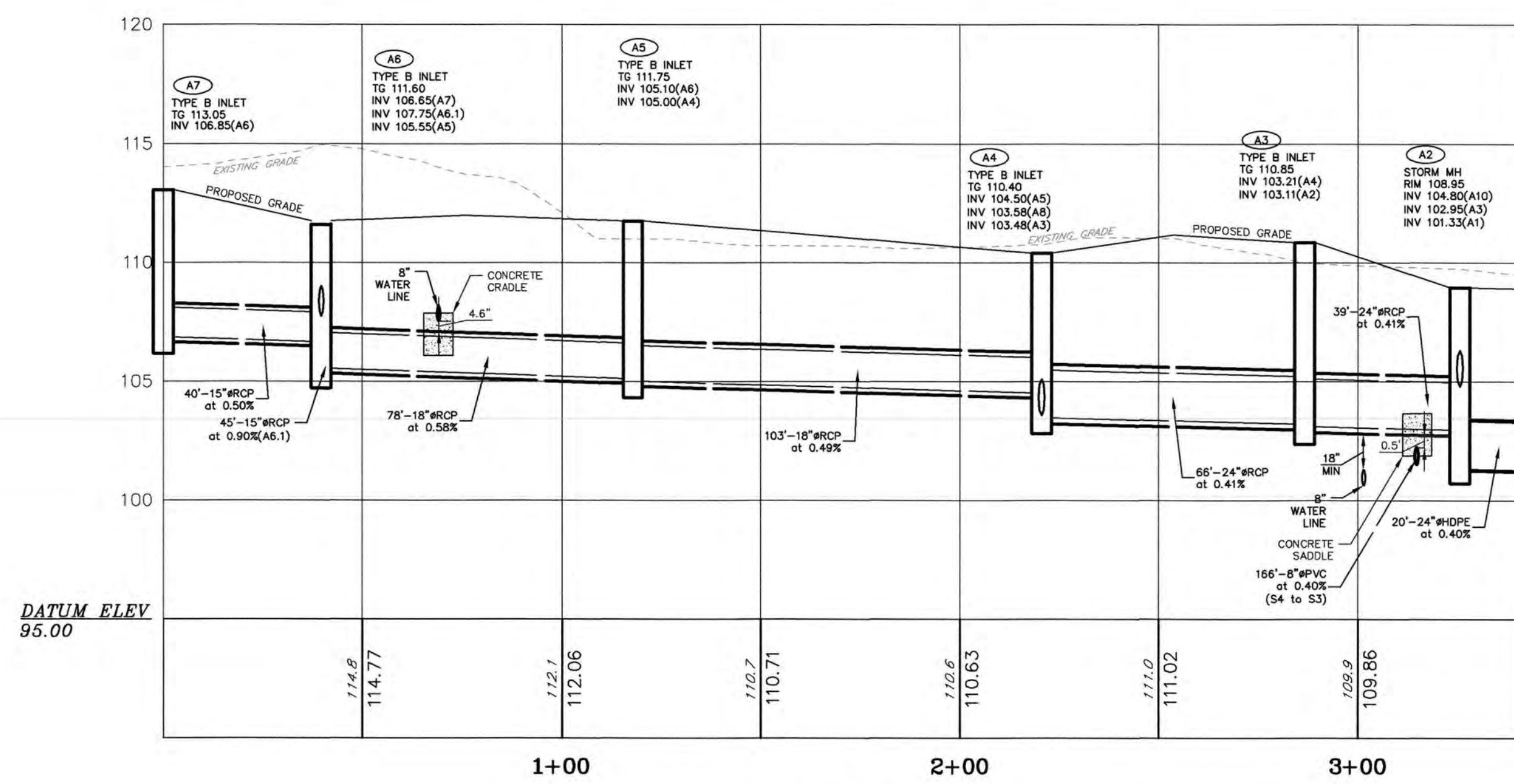
SCALE: AS NOTED

JOB # 2015.063

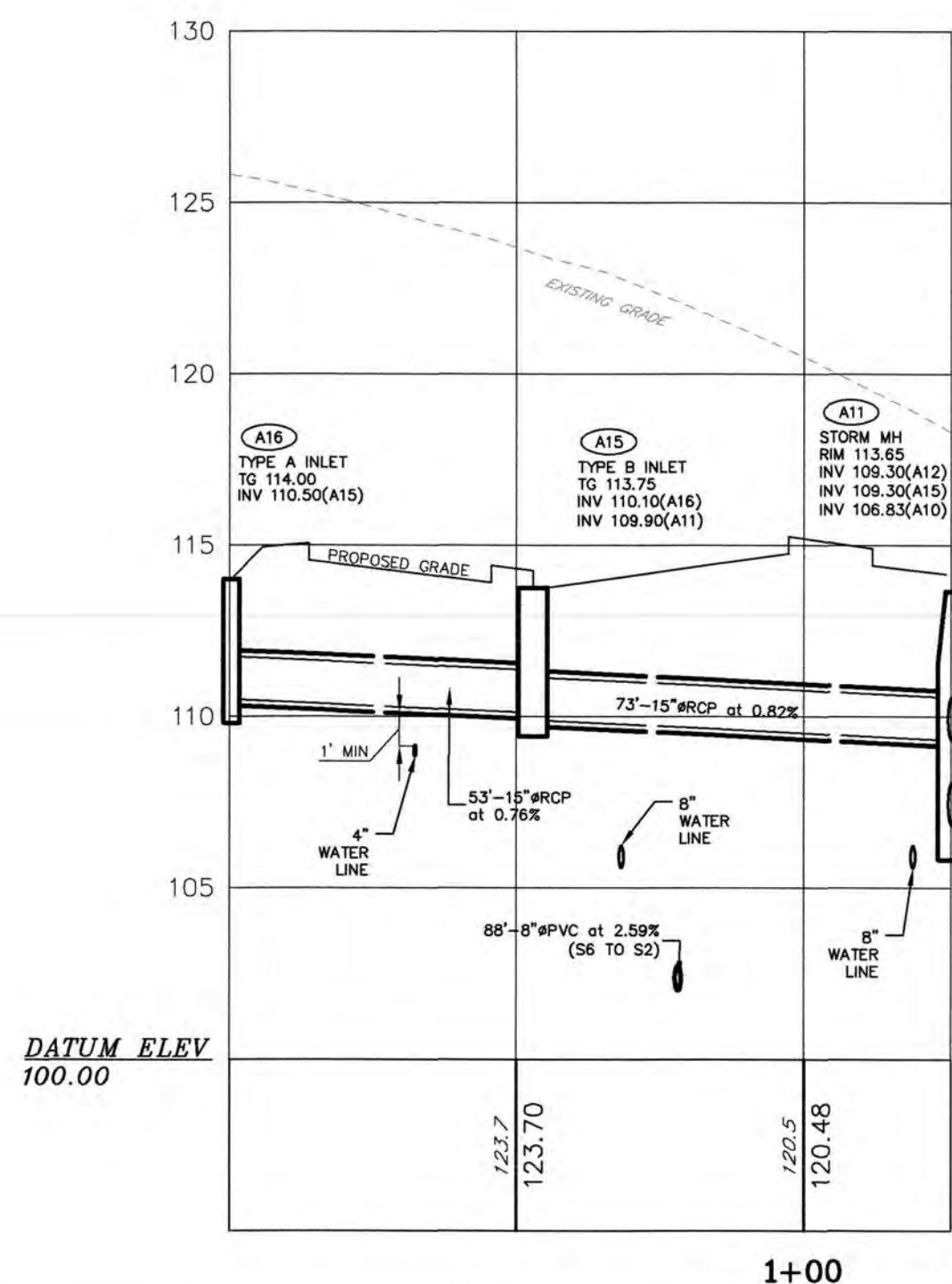
DWG # RP-1

SHEET 1

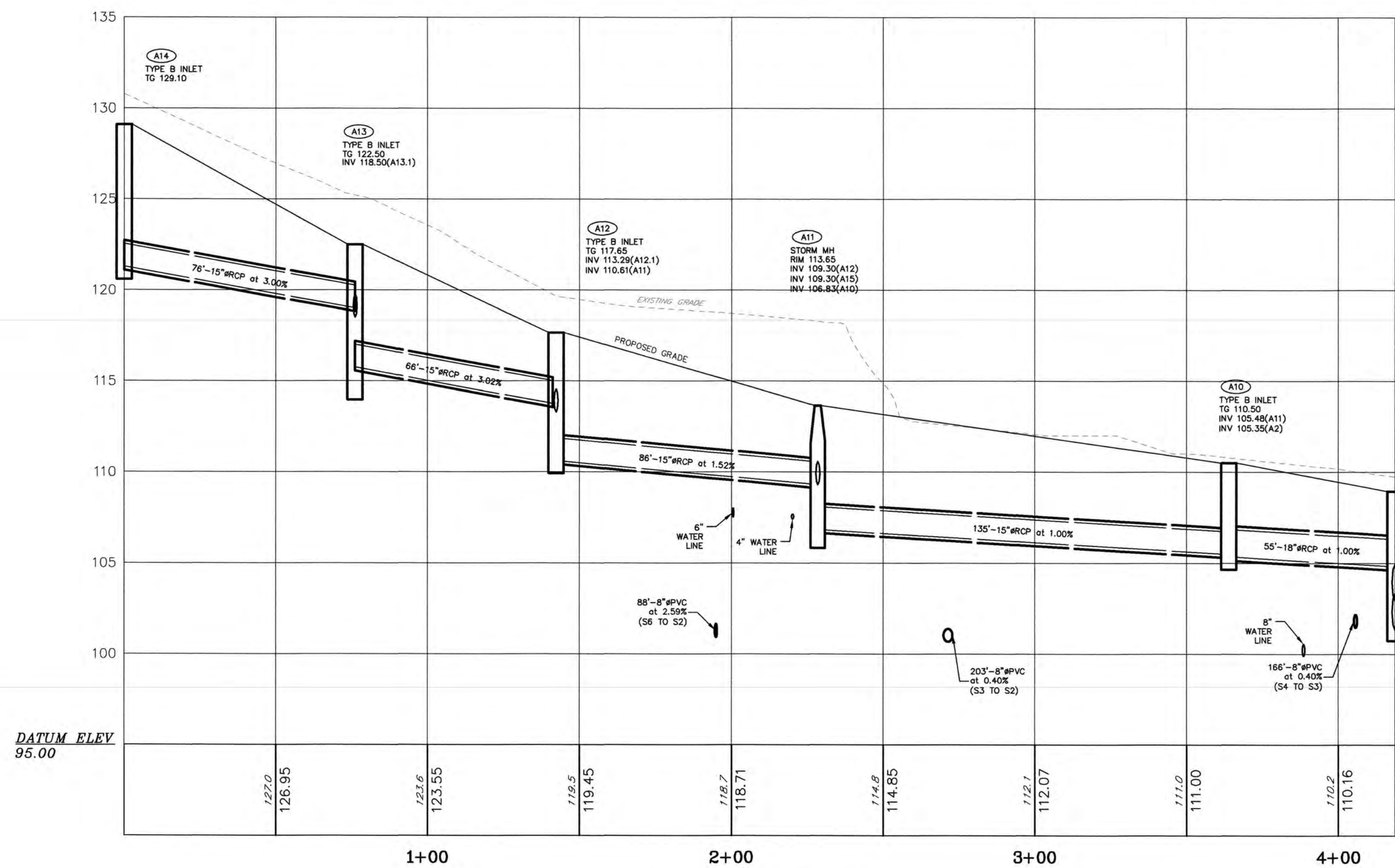




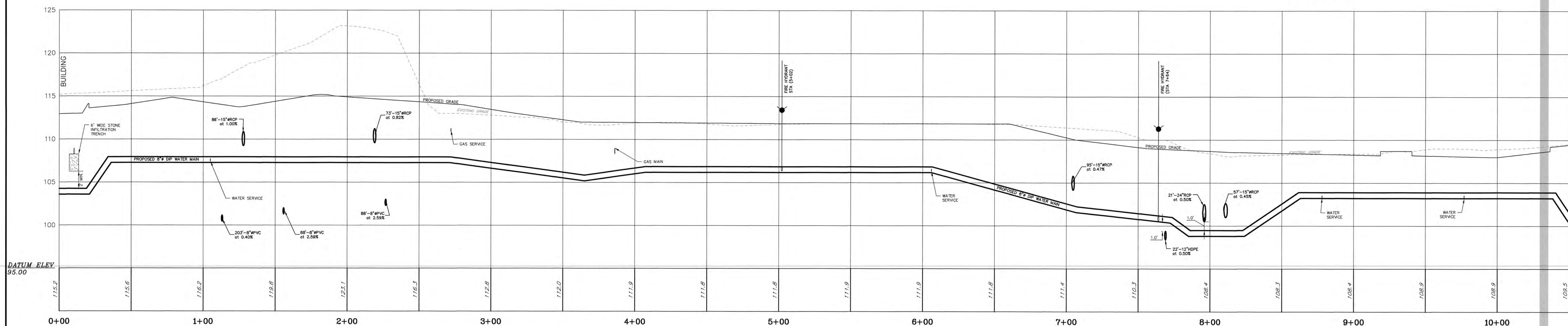
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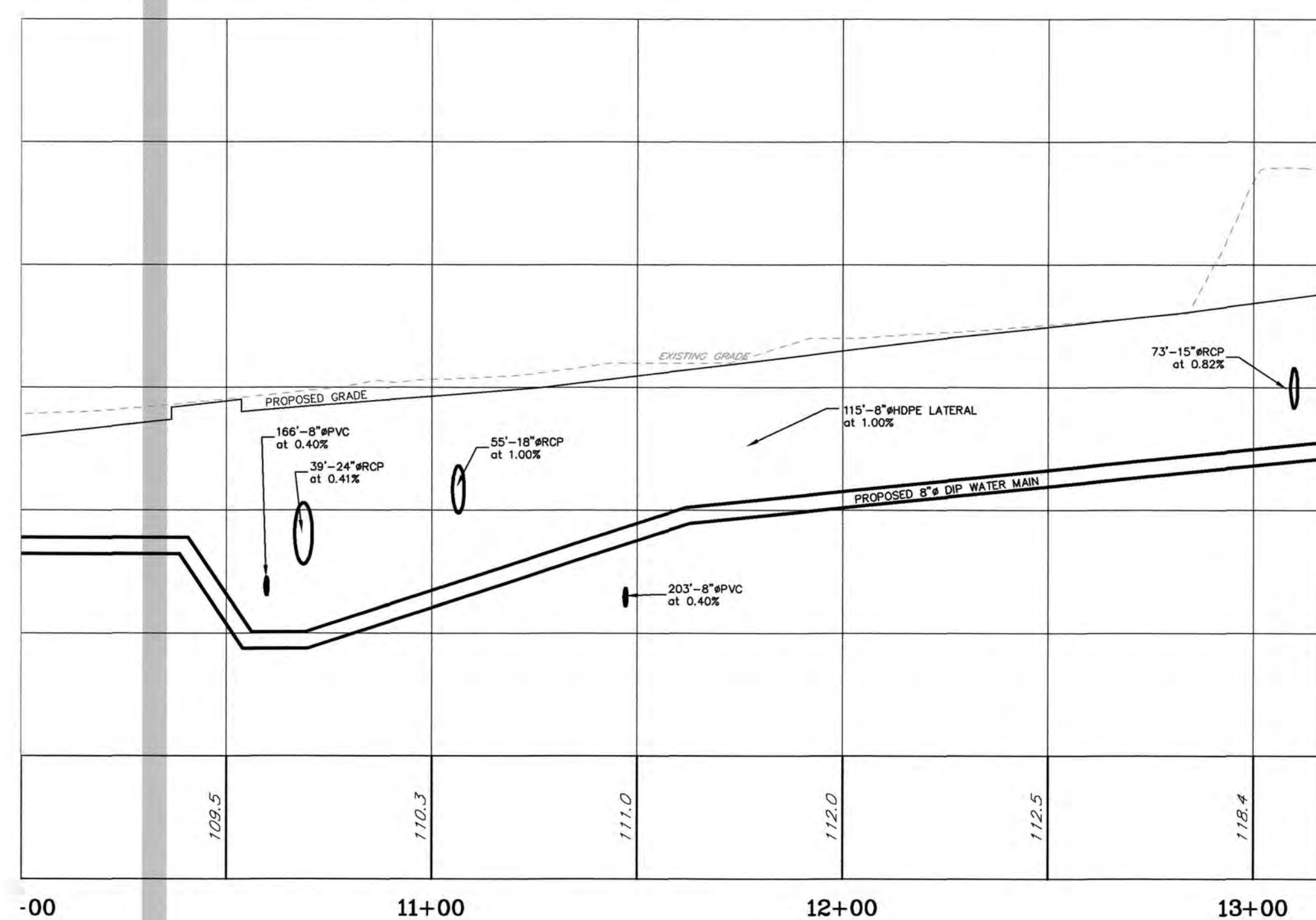
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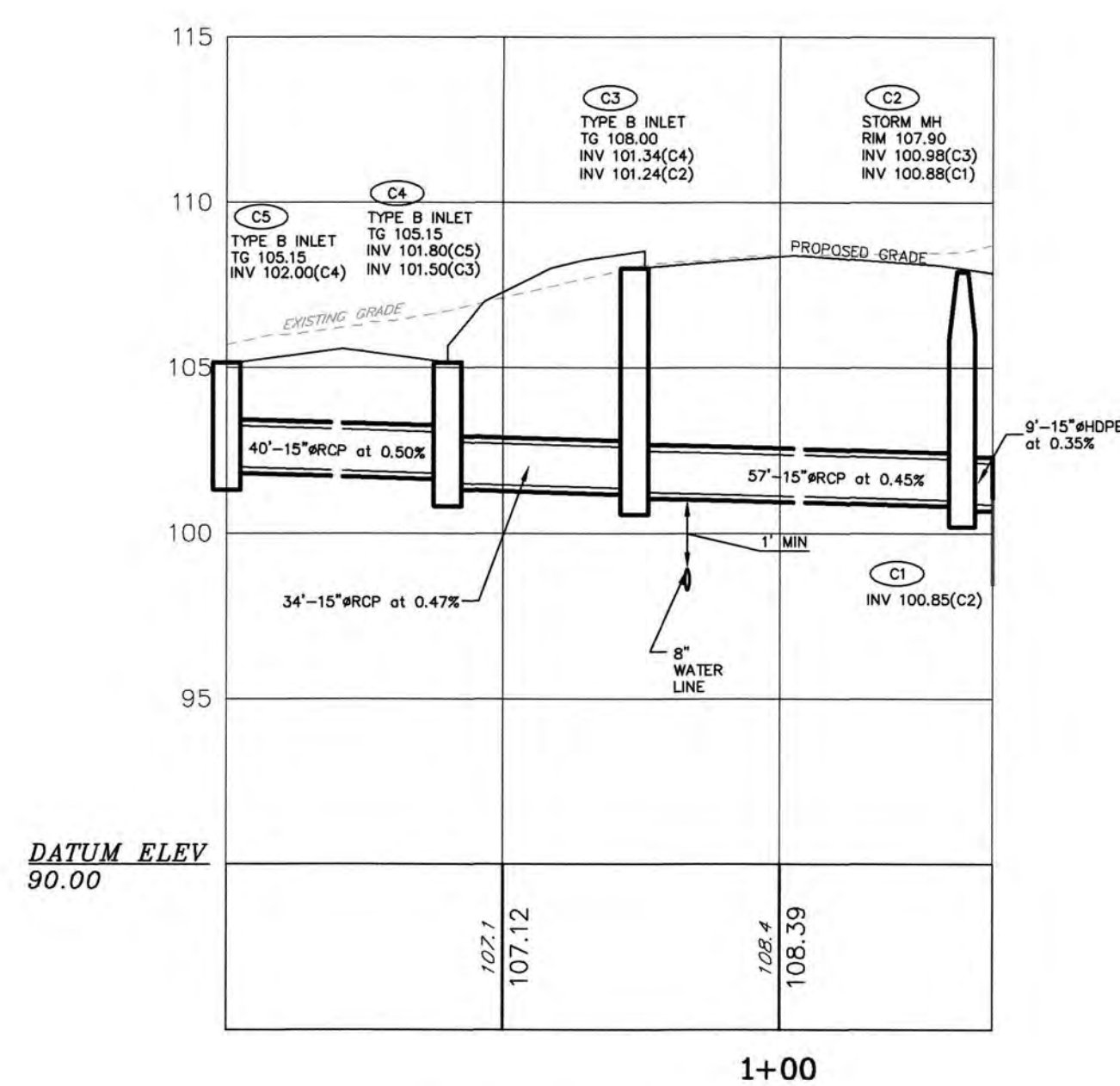
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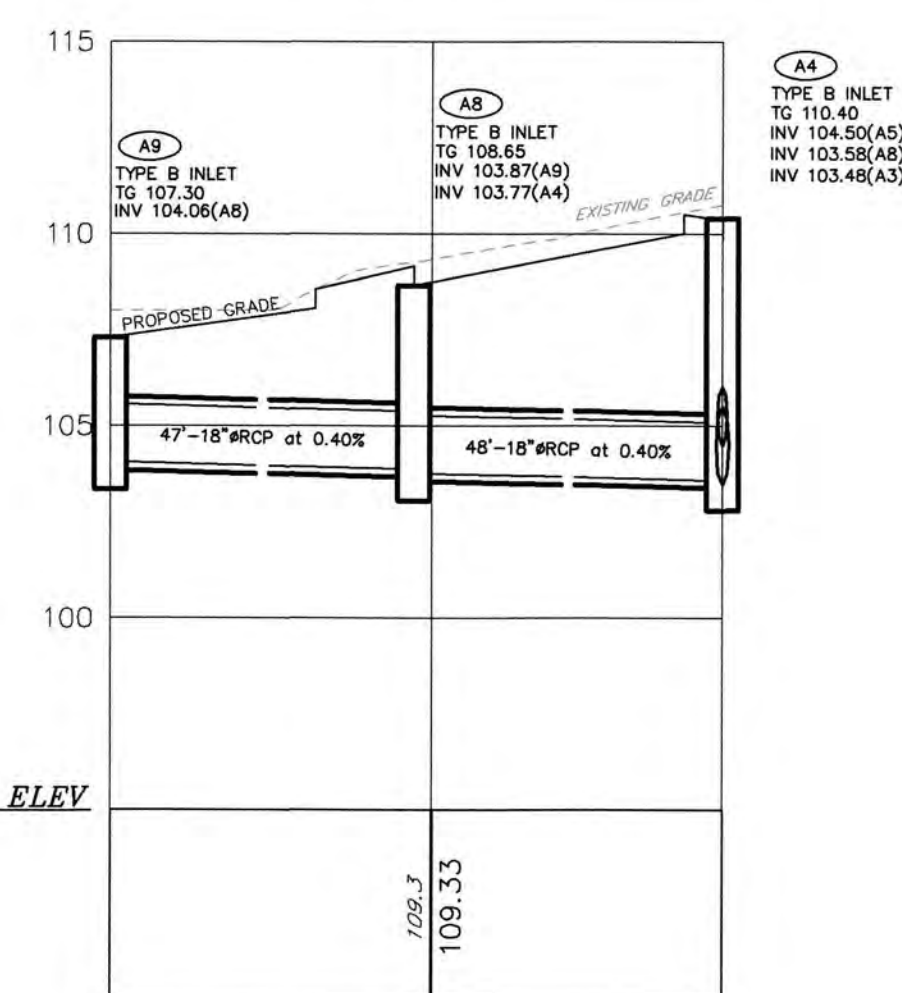
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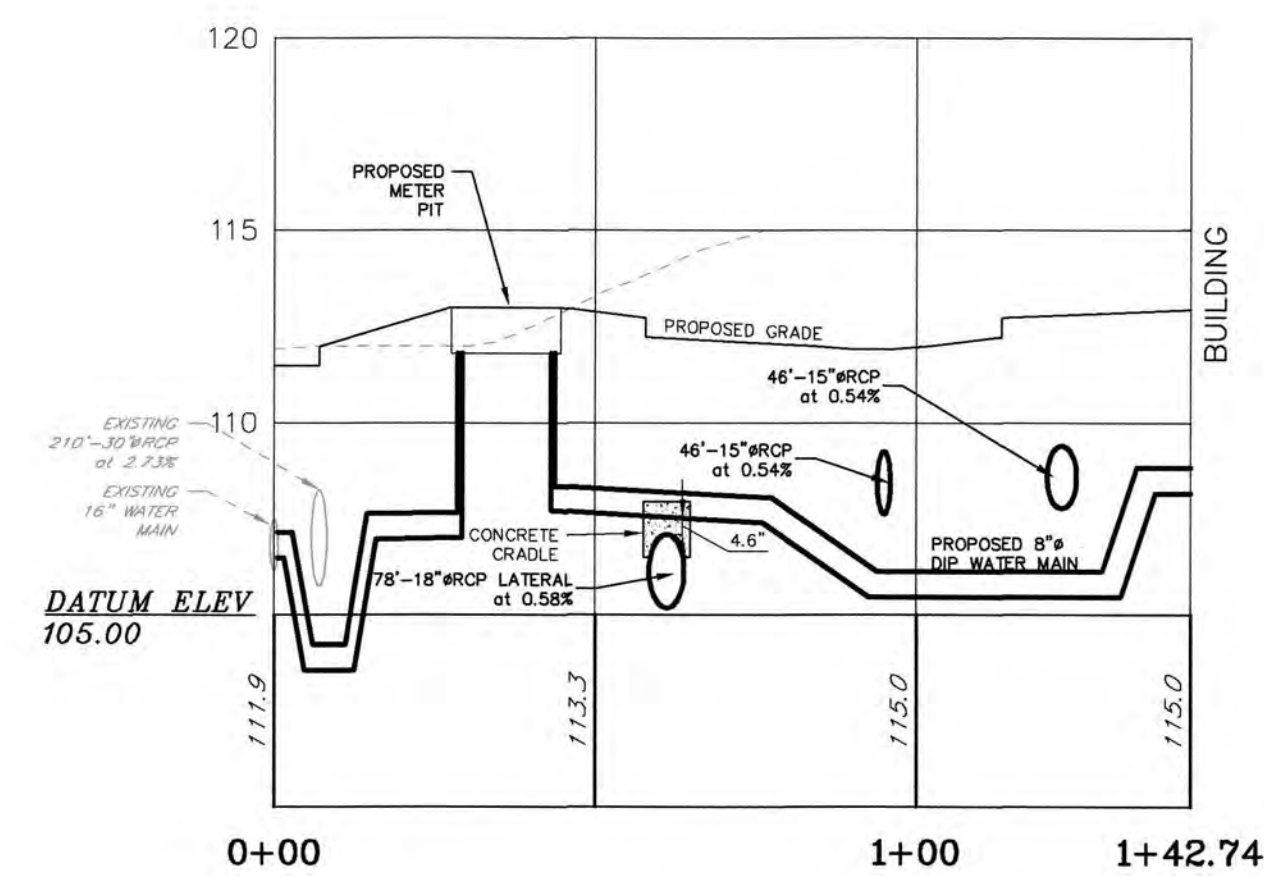
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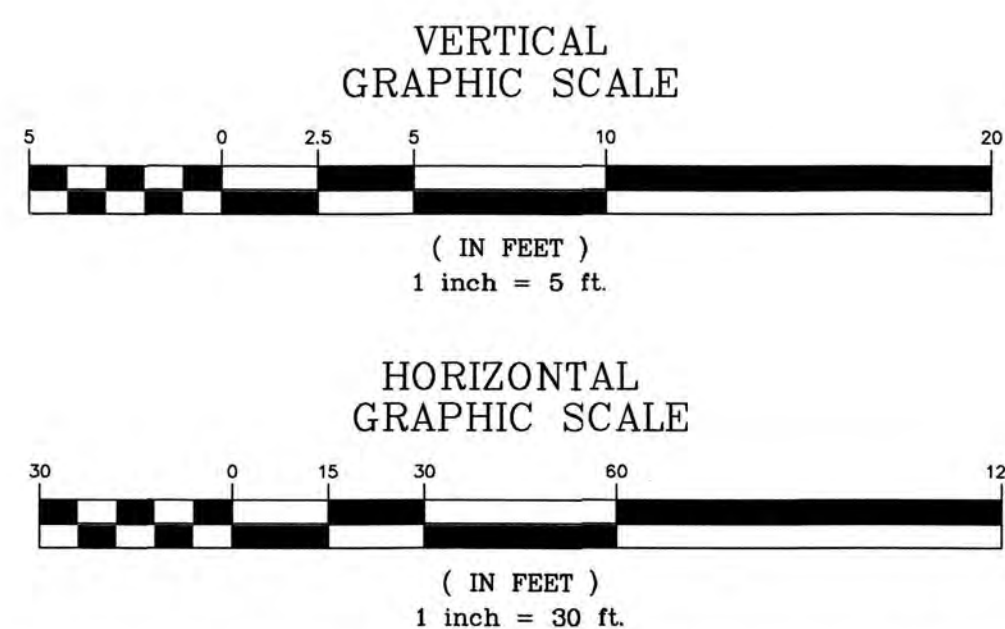
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V: 1"= 5'



A4 TO A9 PROFILE  
H: 1"=30'  
V: 1"= 5'



WATERLINE-1 PROFILE  
H: 1"=30'  
V: 1"= 5'



|                          |          |
|--------------------------|----------|
| REVISIONS                |          |
| 1) COMPLETENESS REV      | 4/30/18  |
| 2) COMPLETENESS REV      | 6/15/18  |
| 3) TOWNSHIP REV          | 9/28/18  |
| 4) RESOLUTION COMPLIANCE | 3/15/19  |
| 5) RESOLUTION COMPLIANCE | 11/30/19 |
| 6) RESOLUTION COMPLIANCE | 2/27/20  |
| 7) RESOLUTION COMPLIANCE | 07/16/20 |
| 8) TOWNSHIP REV          | 02/23/21 |

THIS DRAWING IS FOR PERMIT PURPOSES ONLY. NOT FOR CONSTRUCTION UNTIL THIS BOX HAS BEEN CHECKED AND DATED.

DATE: \_\_\_\_\_

THIS WORK PREPARED UNDER MY IMMEDIATE SUPERVISION.

SCOTT H. TURNER  
PROFESSIONAL ENGINEER  
NJPE#43811

THE STATE OF NEW JERSEY REQUIRES NOTIFICATION BY EXCAVATOR, DESIGNER, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE.

NOTED: \_\_\_\_\_

DATE: \_\_\_\_\_

DATE OF ISSUE: MARCH 16, 2018

REV 8) FEBRUARY 25, 2022

SCALE: AS NOTED

JOB # 2015.063

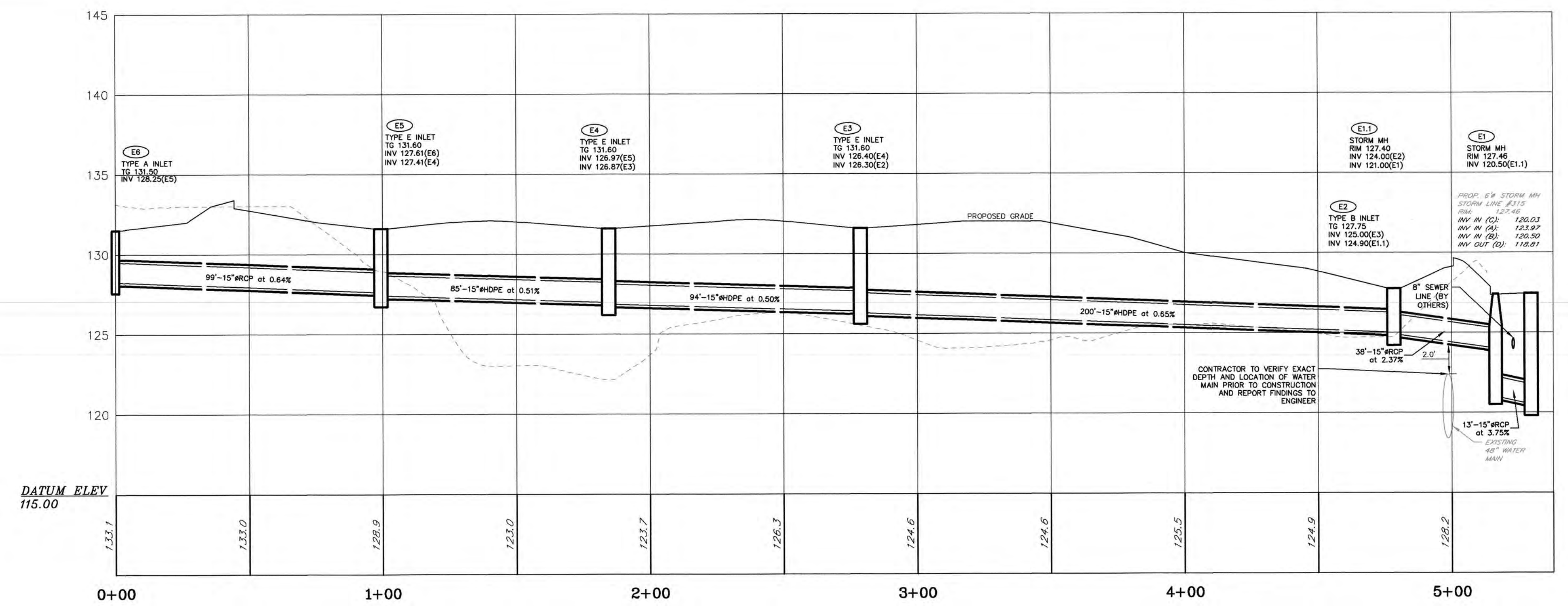
DWG # UP-1

SHEET # 18

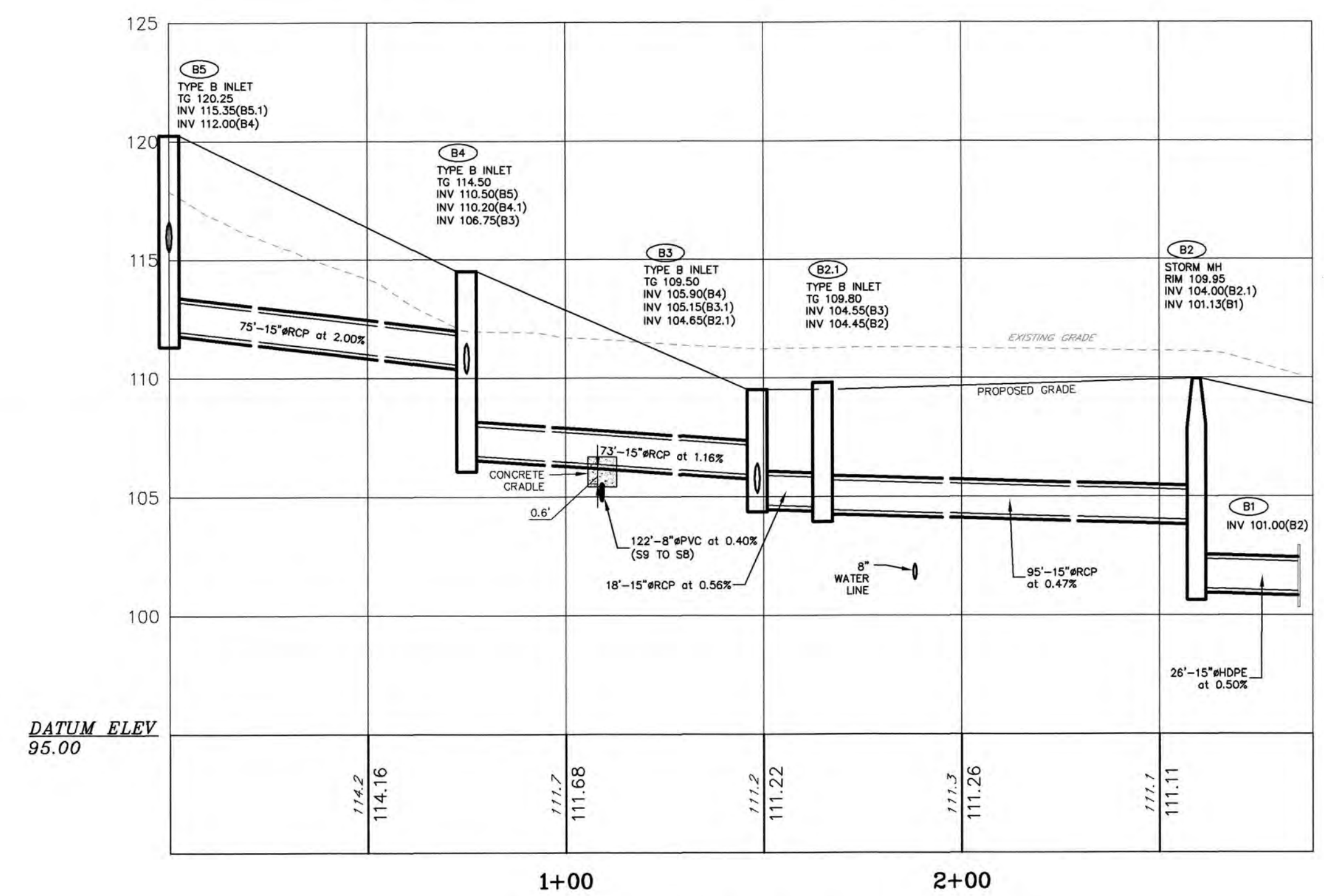
**MENLO ENGINEERING ASSOCIATES, INC.**  
CIVIL ENGINEERS, LAND SURVEYORS AND PROFESSIONAL PLANNERS  
261 CLEVELAND AVENUE HIGHLAND PARK, NEW JERSEY 08904  
PHONE: (732) 846-8585 FAX: (732) 846-9439  
CERTIFICATE OF AUTHORIZATION: 246A27851800

**VILLAGE WALK at MONTGOMERY**  
MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY  
**UTILITY PROFILES-1**  
BLOCK 28007 LOTS 1, 2, 3, & 4; BLOCK 28009 LOT 4 TAX MAP SHEET: 55 10.97 ACRES

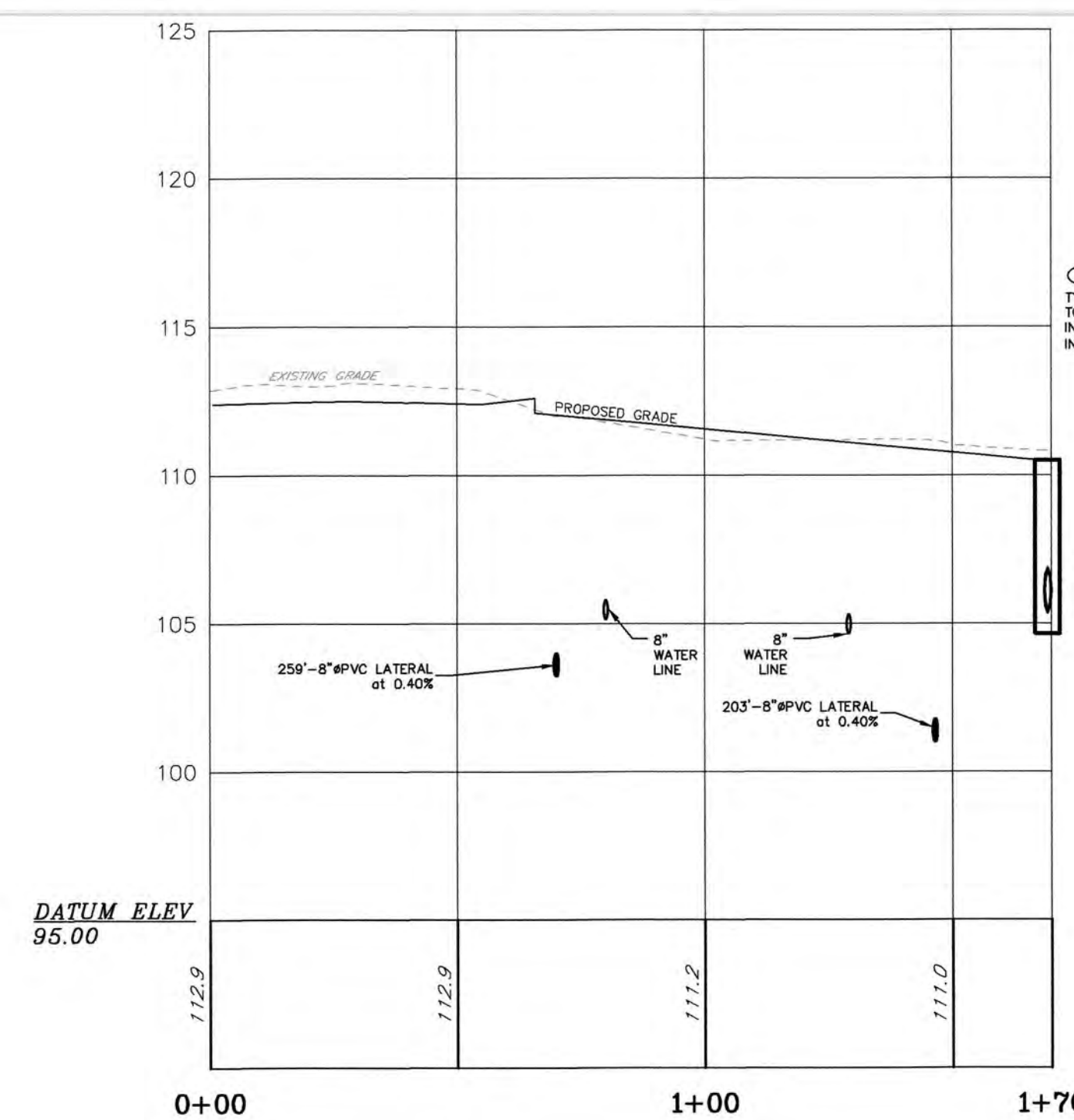




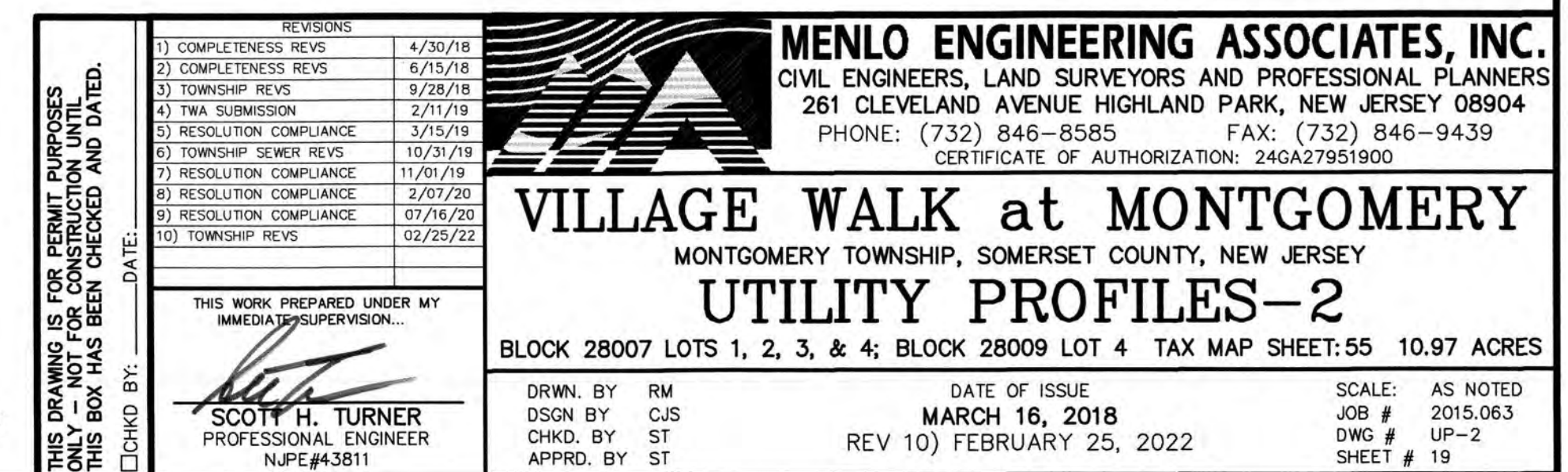
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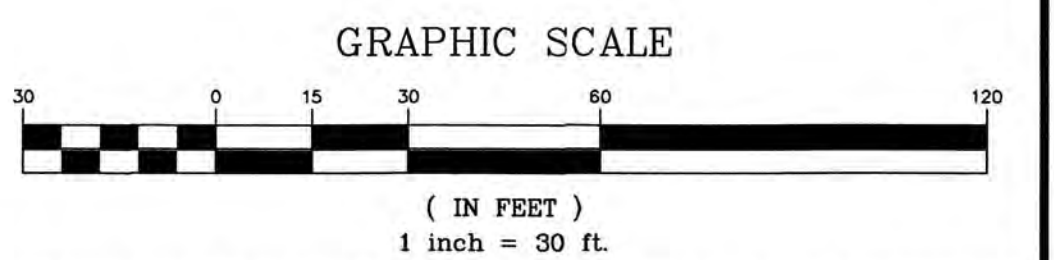
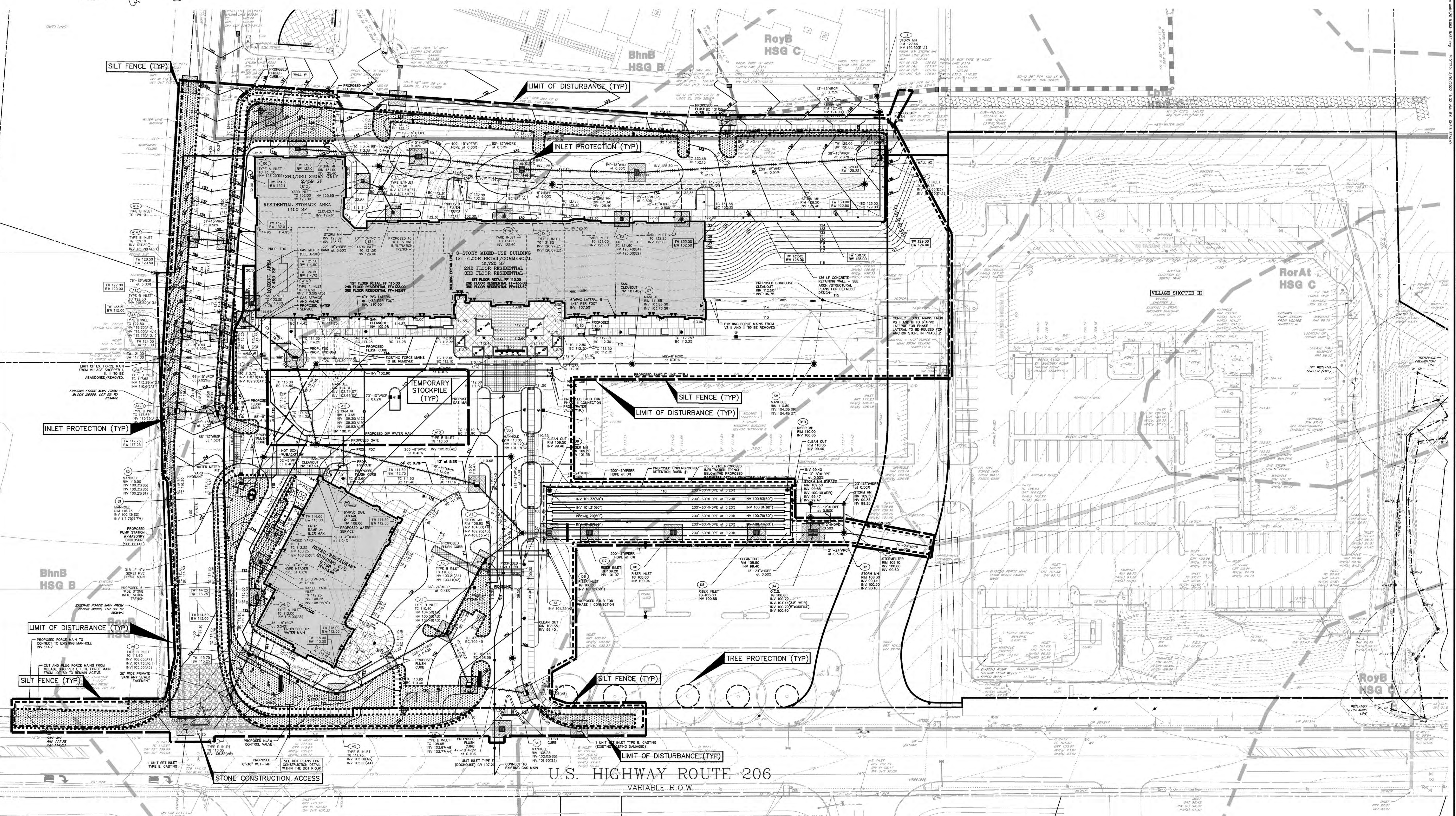
S1 TO S9 PROFILE  
H: 1"=30'  
V: 1"= 5'



|         |  |
|---------|--|
| 4/30/18 |  |
| 6/15/18 |  |







AREA OF DISTURBANCE:  
260,810 SF (6.0 AC±)

AREA OF COMPACTION:  
28,954 SF (0.7 AC±)

LEGEND

RECOMMENDED SOIL COMPACTION TEST LOCATION (APPROX. 1 PER 1 ACRE)

SOIL COMPACTION TESTING AREAS



| REVISIONS                |          |
|--------------------------|----------|
| 1) COMPLETENESS REV      | 4/20/18  |
| 2) COMPLETENESS REV      | 6/27/18  |
| 3) TOWNSHIP REV          | 9/28/18  |
| 4) RESOLUTION COMPLIANCE | 3/15/19  |
| 5) RESOLUTION COMPLIANCE | 11/29/19 |
| 6) RESOLUTION COMPLIANCE | 02/27/20 |
| 7) RESOLUTION COMPLIANCE | 07/14/20 |
| 8) OWNER REV             | 09/20/21 |
| 9) TOWNSHIP REV          | 02/25/22 |

THIS WORK PREPARED UNDER MY IMMEDIATE SUPERVISION

SCOTT H. TURNER  
PROFESSIONAL ENGINEER  
N.J.E.#43811

DATE OF ISSUE: MARCH 16, 2018  
REV 9) FEBRUARY 25, 2022

SCALE: 1"=30'  
JOB # 2015.063  
DWG # SE-1  
SHEET # 20

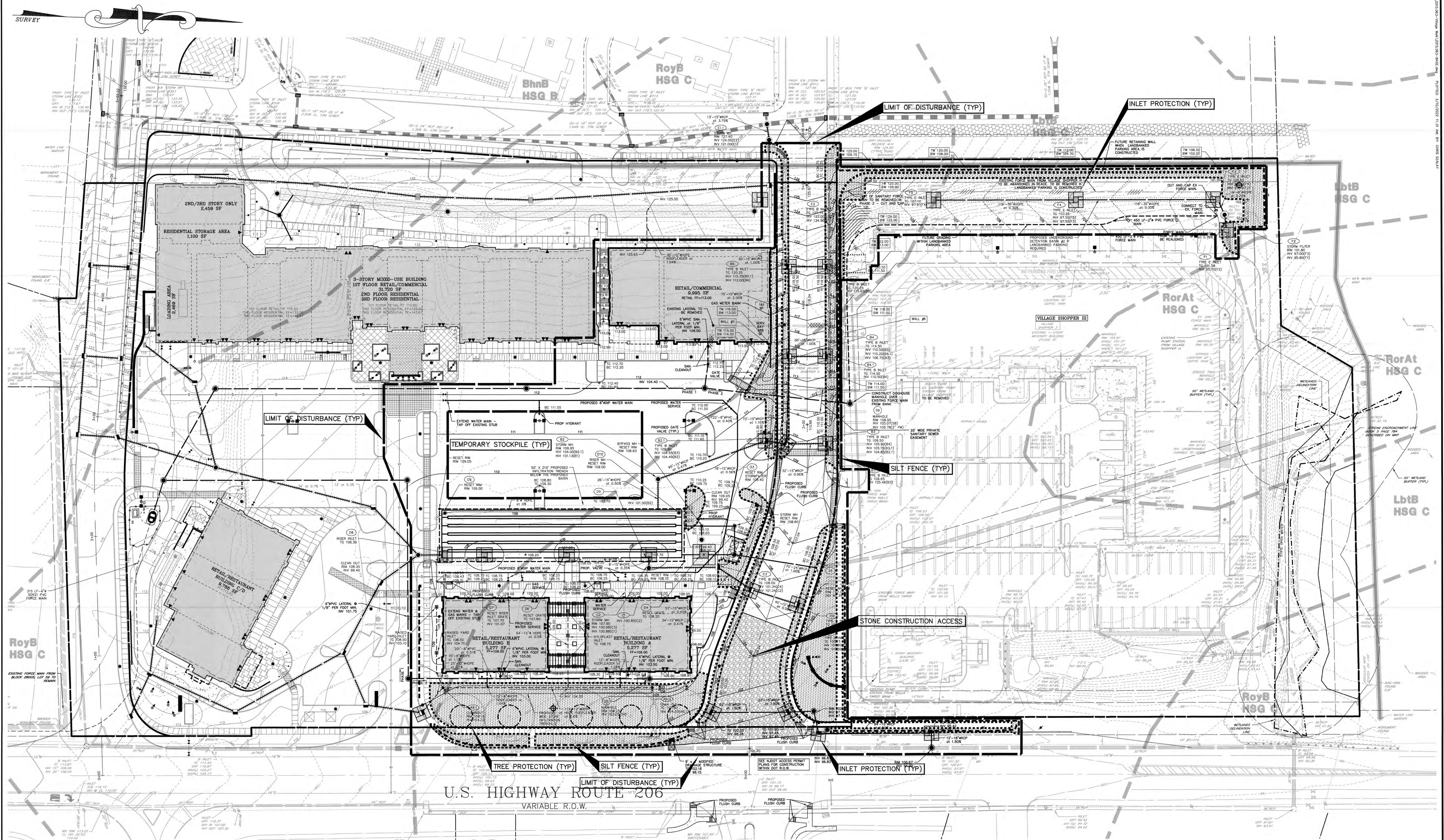
**MENLO ENGINEERING ASSOCIATES, INC.**  
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261 CLEVELAND AVENUE HIGHLAND PARK, NEW JERSEY 08904  
PHONE: (732) 846-8585 FAX: (732) 846-9439  
CERTIFICATE OF AUTHORIZATION: 246A27951900

**VILLAGE WALK at MONTGOMERY**  
MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY

**SOIL EROSION AND SEDIMENT CONTROL PLAN-PHASE 1**  
BLOCK 28007 LOTS 1, 2, 3, & 4; BLOCK 28009 LOT 4 TAX MAP SHEET:55 10.97 ACRES

DRWN. BY NF  
DSGN. BY CJS  
CHKD. BY ST  
APPRD. BY ST



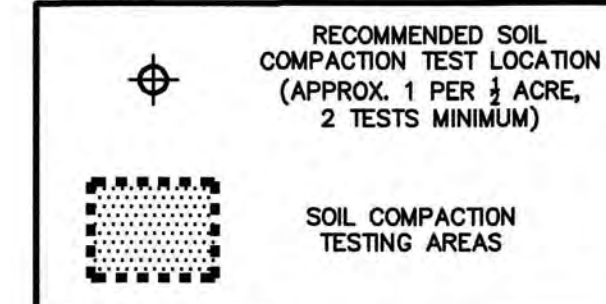


U.S. HIGHWAY ROUTE 206  
VARIABLE R.O.W.

AREA OF DISTURBANCE:  
172,287 SF (4.0 AC±)

AREA OF COMPACTION:  
29,684 SF (0.7 AC±)

## LEGEND



THE STATE OF NEW JERSEY  
NOTIFICATION BY LOCATIONS, DESIGNER  
OR ANY PERSON PREPARING TO SUBMIT  
THE EARTH'S SURFACE ANYWHERE IN THE STATE.

THIS DRAWING IS FOR PERMIT PURPOSES ONLY. IT HAS NOT BEEN CHECKED OR DATED.  
DATE: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
APPROVED BY: \_\_\_\_\_  
SCOTT H. TURNER  
PROFESSIONAL ENGINEER  
NJPE#43811

REVISIONS  
1) COMPLETENESS REVS 4/25/18  
2) COMPLETENESS REVS 6/15/18  
3) TOWNSHIP REVS 9/28/18  
4) RESOLUTION COMPLIANCE 3/15/19  
5) RESOLUTION COMPLIANCE 11/27/19  
6) RESOLUTION COMPLIANCE 03/27/20  
7) RESOLUTION COMPLIANCE 07/24/20  
8) OWNER REVS 09/29/21  
9) TOWNSHIP REVS 02/25/22

THIS WORK PREPARED UNDER MY IMMEDIATE SUPERVISION.  
DATE: \_\_\_\_\_  
SCOTT H. TURNER  
PROFESSIONAL ENGINEER  
NJPE#43811

DATE OF ISSUE: MARCH 16, 2018  
REV 9) FEBRUARY 25, 2022

SCALE: 1"=30'  
JOB # 2015.063  
DWG # SE-2  
SHEET # 21

**MENLO ENGINEERING ASSOCIATES, INC.**  
CIVIL ENGINEERS, LAND SURVEYORS AND PROFESSIONAL PLANNERS  
261 CLEVELAND AVENUE HIGHLAND PARK, NEW JERSEY 08904  
PHONE: (732) 846-8585 FAX: (732) 846-9439  
CERTIFICATE OF AUTHORIZATION: 240A27951900

**VILLAGE WALK at MONTGOMERY**  
MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY  
**SOIL EROSION AND SEDIMENT CONTROL PLAN-PHASE 2**  
BLOCK 28007 LOTS 1, 2, 3, & 4; BLOCK 28009 LOT 4 TAX MAP SHEET:55 10.97 ACRES



## STANDARD FOR PERMANENT STABILIZATION WITH SOD

### DEFINITION

ESTABLISHING PERMANENT VEGETATION USING SOD.

### PURPOSE

TO PERMANENTLY STABILIZE TOPSOIL WITH AN IMMEDIATE AESTHETIC COVERING, THUS ASSURING CONSERVATION OF SOIL AND WATER, AND TO ENHANCE THE ENVIRONMENT.

### WATER QUALITY ENHANCEMENT

PROVIDES AN IMMEDIATE, PERMANENT VEGETATIVE COVER TO THE SOIL FROM THE IMPACTS OF WIND OR RAIN AND PREVENTS SOIL AND NUTRIENT LOSSES TO STREAMS AND OTHER STORMWATER CONVEYANCES FROM STORMWATER RUNOFF.

### WHERE APPLICABLE

ON EXPOSED SOILS THAT HAVE A POTENTIAL FOR CAUSING OFF-SITE ENVIRONMENTAL DAMAGE WHERE AN IMMEDIATE, PERMANENT, VEGETATIVE COVER IS DESIRED. WATER (RAIN OR IRRIGATION) IS REQUIRED FOR SUCCESS; ACCESS TO IRRIGATION IS ESSENTIAL DURING DROUGHT.

### METHODS AND MATERIALS

- HIGH QUALITY CULTIVATED SOD IS PREFERRED OVER NATIVE OR PASTURE SOD.
- SOD SHOULD BE FREE OF BROADLEAF WEEDS AND UNDESIRABLE COARSE AND FINE WEED GRASSES.
- SOD SHOULD BE OF UNIFORM THICKNESS, TYPICALLY 5/8 INCH, PLUS OR MINUS 1/4 INCH, AT TIME OF CUTTING (EXCLUDES TOP GROWTH).
- SOD SHOULD BE VIGOROUS AND DENSE AND BE ABLE TO RETAIN ITS OWN SHAPE AND HEIGHT WHEN SUSPENDED VERTICALLY WITH A FIRM GRASP FROM THE UPPER 10 PERCENT OF THE STRIP. BROKEN PADS AND ROLLS OR TORN AND UNEVEN ENDS WILL NOT BE ACCEPTABLE.
- FOR DROUGHTY SITES, A SOD OF TURF-TYPE TALL FESCUE OR TURF-TYPE TALL FESCUE MIXED WITH KENTUCKY BLUEGRASS IS PREFERRED OVER A 100% KENTUCKY BLUEGRASS SOD, ALTHOUGH NOT WIDELY AVAILABLE, A SOD OF FINE FESCUE IS ALSO ACCEPTABLE FOR DROUGHTY SITES.
- ONLY MOIST, FRESH, UNHEATED SOD SHOULD BE USED. SOD SHOULD BE HARVESTED, DELIVERED, AND INSTALLED WITHIN A PERIOD OF 24 HOURS OR LESS DURING SUMMER MONTHS.

### 1. SITE PREPARATION

A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR LIMING, FERTILIZING, INCORPORATION OF ORGANIC MATTER, AND OTHER SOIL PREPARATION PROCEDURES. LAND GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARD FOR LAND GRADING.

B. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE. A UNIFORM APPLICATION TO A DEPTH OF 6 INCHES (UNSETTLED) IS REQUIRED ON ALL SITES.

SEE THE STANDARD FOR TOPSOILING FOR TOPSOIL AND AMENDMENT REQUIREMENTS.

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

### 2. SOIL PREPARATION

A. UNIFORMLY 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 CO-OPERATIVE EXTENSION OFFICES (HTTP://NAJES.RUTGERS.EDU/COUNTY/). FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET USING 10-10-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE AND INCORPORATED INTO THE SURFACE 4 INCHES. IF FERTILIZER IS NOT INCORPORATED, APPLY 1/2 THE RATE DESCRIBED ABOVE DURING SEEDING. PREPARATION AND REPEAT ANCHOR 1/2 RATE APPLICATION OF THE SAME FERTILIZER WITHIN 3 TO 5 WEEKS AFTER SEEDING. APPLY LIMESTONE AT THE RATE OF 2 TONS/ACRE UNLESS SOIL TESTING 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. TABLE 6-1 IS A GENERAL GUIDELINE FOR LIMESTONE APPLICATION RATES.

B. WORK LIME AND FERTILIZER INTO THE TOPSOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRINGTOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISKING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM, FINE SEEDBED IS PREPARED.

C. REMOVE FROM THE SURFACE ALL OBJECTS THAT WOULD PREVENT GOOD SOD TO TOPSOIL CONTACT AND REMOVE OTHER DEBRIS, SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLODS, LUMPS, OR OTHER UNSUITABLE MATERIAL.

D. INSPECT SITE JUST BEFORE SODDING. IF TRACE HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED AND REFINISHED WITH THE ABOVE.

### 3. SOD PLACEMENT

A. SOD STRIPS SHOULD BE LAID ON THE CONTOUR, NEVER UP AND DOWN THE SLOPE, STARTING AT THE BOTTOM OF THE SLOPE AND WORKING UP. ON STEEP SLOPES, THE USE OF LADDERS WILL FACILITATE THE WORK AND PREVENT DAMAGE TO THE SOD. DURING PERIODS OF HIGH TEMPERATURE, LIGHTLY IRRIGATE THE SOIL IMMEDIATELY PRIOR TO LAYING THE SOD.

B. PLACE SOD STRIPS WITH SNUG, EVEN JOINTS (SEAMS) THAT ARE STAGGERED. OPEN SPACES INVITE EROSION.

C. LIGHTLY ROLL OR TAMP SOD IMMEDIATELY FOLLOWING PLACEMENT TO INSURE SOLID CONTACT OF ROOT MAT AND SOIL SURFACE. DO NOT OVERLAP SOD. ALL JOINTS SHOULD BE BUTTED TIGHTLY TO PREVENT VOIDS WHICH WOULD CAUSE DRYING OF THE ROOTS AND INVASION OF WEEDS.

D. ON SLOPES GREATER THAN 3 TO 1, SECURE SOD TO SURFACE SOIL WITH WOOD EGGS, WIRE STAPLES BIODERAGABLE PLASTIC SPIKES, OR SPLT SHINGLES (6 TO 12 INCHES LONG BY 3/4 INCH WIDE).

E. SURFACE WATER CANNOT ALWAYS BE DIVERTED FROM FLOWING OVER THE FACE OF THE SOD, BUT A CARPING STRIP OF HEAVY YUT OR PLASTIC NETTING, PROPERLY SECURED, ALONG THE CROWN OF THE SLOPE AND EDGES WILL PROVIDE EXTRA PROTECTION AGAINST LIFTING AND UNDERCUTTING OF SOD. THE SAME TECHNIQUE CAN BE USED TO ANCHOR SOD IN WATER-CARRYING CHANNELS AND OTHER CRITICAL AREAS. WIRE STAPLES MUST BE USED TO ANCHOR NETTING IN CHANNEL WORK.

F. IMMEDIATELY FOLLOWING INSTALLATION, SOD SHOULD BE WATERED UNTIL WATER PENETRATES THE SOIL LAYER BENEATH SOD TO A DEPTH OF 1 INCH. MAINTAIN OPTIMUM WATER FOR AT LEAST TWO WEEKS.

G. TOPDRESSING – SINCE SOIL ORGANIC MATTER AND SLOW RELEASE NITROGEN FERTILIZER (WATER INSOLUBLE) ARE PRESCRIBED IN SECTIONS 1 AND 2N THIS STANDARD, A FOLLOW-UP TOPDRESSING IS NOT MANDATORY, EXCEPT WHERE GROSS NITROGEN DEFICIENCY EXISTS IN THE SOIL TO THE EXTENT THAT TURF FAILURE MAY DEVELOP. TOPDRESSING SHALL THEN BE APPLIED. TOPDRESS WITH 10-0-10 OR EQUIVALENT AT 400 POUNDS PER ACRE OR 9 POUNDS PER 1,000 SQUARE FEET EVERY 3 TO 5 WEEKS UNTIL THE GROSS NITROGEN DEFICIENCY IN THE TURF IS AMELIORATED.

TABLE 6-1

| LIMESTONE <sup>1</sup> APPLICATION RATE BY SOIL TEXTURE |           |                   |
|---------------------------------------------------------|-----------|-------------------|
| SOIL TEXTURE                                            | TONS/ACRE | LBS./1000 SQ. FT. |
| CLAY, CLAY LOAM AND HIGH ORGANIC                        | 3         | 135               |
| SANDY LOAM, LOAM, SILT LOAM                             | 2         | 90                |
| LOAMY SAND, SAND                                        | 1         | 45                |

1. Pulverized dolomitic limestone is preferred for most soils south of the Brunswick-Trenton line; however, this should be confirmed by soil testing.

## STANDARD FOR PERMANENT VEGETATIVE COVER

### DEFINITION

ESTABLISHMENT OF PERMANENT VEGETATIVE COVER ON EXPOSED SOILS WHERE PERENNIAL VEGETATION IS NEEDED FOR LONG-TERM PROTECTION.

### PURPOSE

TO PERMANENTLY STABILIZE THE SOIL, ENSURING CONSERVATION OF SOIL AND WATER, AND TO ENHANCE THE ENVIRONMENT.

### WATER QUALITY ENHANCEMENT

SLOWS THE OVER-LAND MOVEMENT OF STORMWATER RUNOFF, INCREASES INFILTRATION AND RETAINS SOIL AND NUTRIENTS ON SITE.

### WHERE APPLICABLE

ON EXPOSED SOILS THAT HAVE A POTENTIAL FOR CAUSING OFF-SITE ENVIRONMENTAL DAMAGE.

### METHODS AND MATERIALS

1. SOD 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 THE 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 SITES. TOPSOIL SHALL BE AMENDED WITH ORGANIC MATTER, AS NEEDED, IN ACCORDANCE WITH THE STANDARD FOR TOPSOILING.

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

### 2. SEEDBED PREPARATION

A. SELECT A MIXTURE FROM TABLE 4-3 OR USE A MIXTURE RECOMMENDED BY RUTGERS CO-OPERATIVE EXTENSION. SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL RUTGERS CO-OPERATIVE EXTENSION OFFICES (HTTP://NAJES.RUTGERS.EDU/COUNTY/). FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET USING 10-10-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE AND INCORPORATED INTO THE SURFACE 4 INCHES. IF FERTILIZER IS NOT INCORPORATED, APPLY 1/2 THE RATE DESCRIBED ABOVE DURING SEEDBED PREPARATION AND REPEAT ANOTHER ONE-HALF RATE APPLICATION OF THE SAME FERTILIZER WITHIN 3 TO 5 WEEKS AFTER SEEDING.

B. WORK LIME AND FERTILIZER INTO THE TOPSOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRINGTOOTH HARROW, OR CULTIVATOR. SEEDER, EXCEPT FOR DRILLED, ARROWING OR DISKING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLE UNIFORM SEEDBED IS PREPARED.

C. HIGH AOD PRODUCING SOILS HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDE OR OTHER TOXIC SUBSTANCES SHOULD BE AMENDED WITH A PH OF 5 OR MORE BEFORE INITIATING SEEDBED PREPARATION. SEE STANDARD FOR MANAGEMENT OF HIGH AOD-PRODUCING SOILS FOR SPECIFIC REQUIREMENTS.

### 3. SEEDING

A. SELECT A MIXTURE FROM TABLE 4-3 OR USE A MIXTURE RECOMMENDED BY RUTGERS CO-OPERATIVE EXTENSION OR NATURAL RESOURCES CONSERVATION SERVICE WHICH IS APPROVED BY THE SOIL CONSERVATION DISTRICT. SEED GERMINATION SHALL HAVE BEEN TESTED WITHIN 12 MONTHS OF THE PLANTING DATE. NO SEED SHALL BE ACCEPTED WITH A GERMINATION TEST DATE MORE THAN 12 MONTHS OLD UNLESS TESTED.

1. SEEDING RATES SPECIFIED ARE REQUIRED WHEN A REPORT OF COMPLIANCE IS REQUESTED PRIOR TO ACTUAL ESTABLISHMENT OF PERMANENT VEGETATION. UP TO 50% REDUCTION IN RATES MAY BE USED WHEN PERMANENT VEGETATION IS ESTABLISHED PRIOR TO A REPORT OF COMPLIANCE. INSPECTION. ESTABLISHING PERMANENT VEGETATION MEANS 80% VEGETATIVE COVER (OF THE SEEDED SPECIES) AND MOWED EGGS.

2. WARM-SEASON MIXTURES ARE GRASSES AND LEGUMES WHICH MAXIMIZE GROWTH AT HIGH TEMPERATURES. GENERALLY 850 F AND ABOVE. SEE TABLE 4-3 MIXTURES 1 TO 7. PLANTING RATES FOR WARM-SEASON GRASSES SHALL BE THE AMOUNT OF PURE LIME (PLS) AS DETERMINED BY GERMINATION TESTING RESULTS.

3. COOL-SEASON MIXTURES ARE GRASSES AND LEGUMES WHICH MAXIMIZE GROWTH AT TEMPERATURES BELOW 850 F. MIXTURES SHOULD BE ACTIVE AT 650F. SEE TABLE 4-3 MIXTURES 8-20. ADJUSTMENT OF PLANTING RATES TO COMPENSATE FOR THE AMOUNT OF PLS IS NOT REQUIRED FOR COOL SEASON GRASSES.

B. CONVENTIONAL SEEDING IS PERFORMED BY APPLYING SEED UNIFORMLY BY HAND, CYCLONE (CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL, OR CULTIVATOR SEEDER. SEEDS SHOULD BE HYDROSEEDED OR CUTLIPKED SEEDINGS, SEED SHALL BE INCORPORATED INTO THE SOIL WITHIN 24 HOURS OF SEEDBED PREPARATION TO A DEPTH OF 1/4 TO 1/2 INCH, BY RAKING OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COARSE-TEXTURED SOIL.

C. AFTER SEEDING, FIRING THE SOIL WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT, RESTORE CAPILLARITY, AND IMPROVE SEEDLING EMERGENCE. THIS IS THE PREFERRED METHOD. WHEN PERFORMING AN INLET, SHEET EROSION WILL BE MINIMIZED AND WATER CONSERVATION ON SITE WILL BE MAXIMIZED.

D. HYDROSEEDING IS A BROADCAST SEEDING METHOD USUALLY INVOLVING A TRUCK, OR TRAILER-MOUNTED TANK WITH AN AGITATION SYSTEM AND HYDRAULIC PUMP FOR MIXING SEED, STRAW AND FERTILIZER. SEED SHOULD BE APPLIED TO PUSH OR OUT SOME OF THE BROADCAST LONG. FIBER MULCH 3 TO 4 INCHES INTO THE SOIL SO AS TO ANCHOR IT AND LEAVE PART STANDING UPRIGHT. THIS TECHNIQUE IS LIMITED TO AREAS TRAVELABLE BY A TRACTOR, WHICH MUST OPERATE ON THE CONTOUR OF SLOPES. STRAW MULCH SHOULD BE 3 TONS PER ACRE. NO TACKIFYING OR ADHESIVE AGENT IS REQUIRED.

E. LIQUID MULCH-BINDERS – MAY BE USED TO ANCHOR SALT HAY, HAY OR STRAW MULCH. (G) APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND MAY CATCH THE MULCH, IN VALLEYS, AND AT CREEKS OR DITCHES. THE REMAINDER OF THE AREA SHOULD BE UNIFORM IN APPEARANCE.

(b) USE ONE OF THE FOLLOWING:

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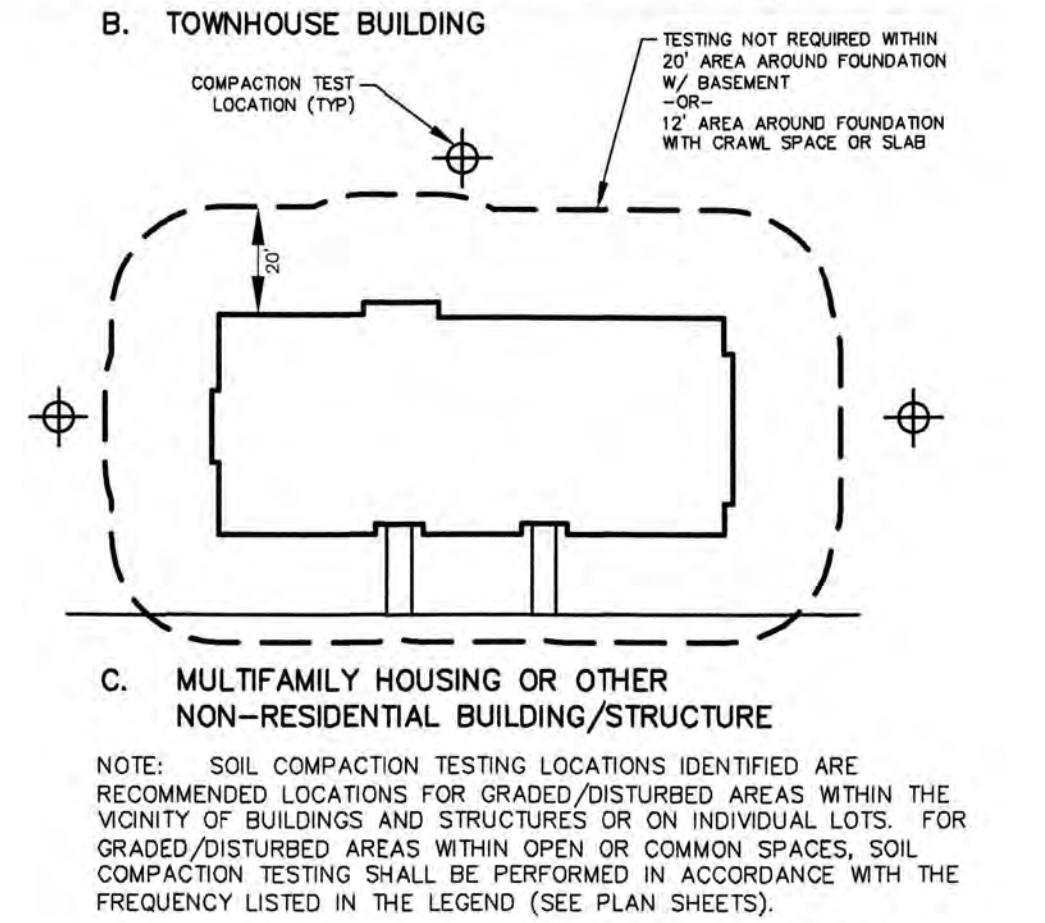
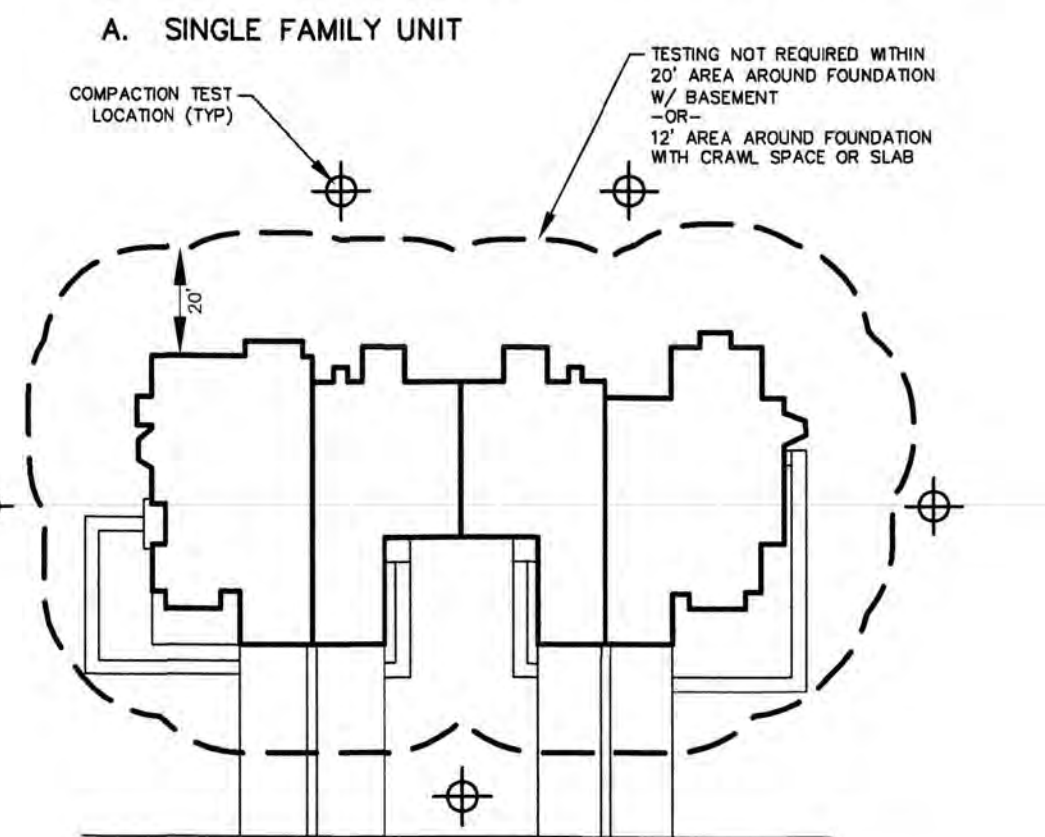
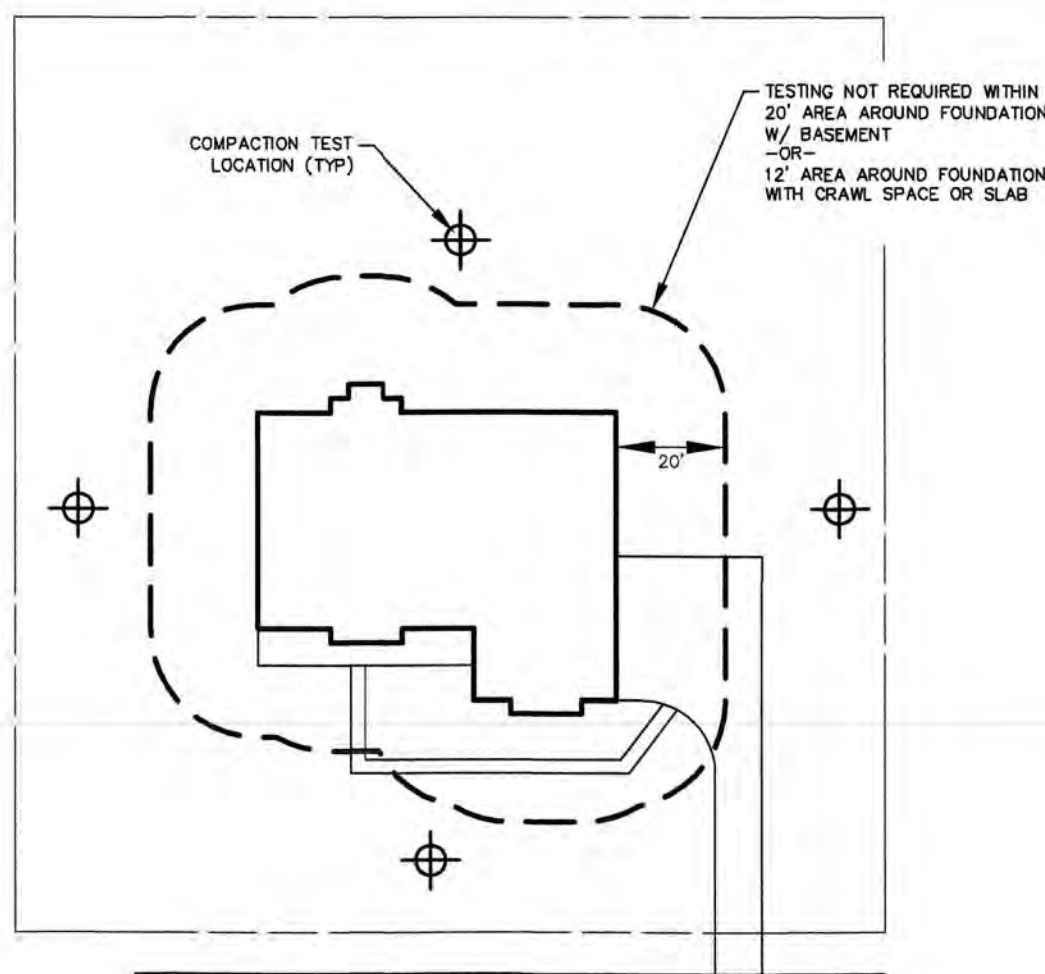
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## 'WET TOLERANT' SEEDING SPECIFICATION

SEEDBED PREPARATION: FERTILIZER (10-10-10) 500 LB/AC  
LIMESTONE 6,





### TYPICAL SOIL COMPACTION TESTING LOCATIONS

N.T.S.

## SOIL DE-COMPACTION AND TESTING REQUIREMENTS

### SOIL COMPACTION TESTING REQUIREMENTS

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

### COMPACTION TESTING METHODS

- PROBING WIRE TEST (SEE DETAIL)
- HAND-HELD PENETROMETER TEST (SEE DETAIL)
- TUBE BULK DENSITY TEST (LICENSED PROFESSIONAL ENGINEER REQUIRED)
- NUCLEAR DENSITY TEST (LICENSED PROFESSIONAL ENGINEER REQUIRED)

NOTE: ADDITIONAL TESTING METHODS WHICH CONFORM TO ASTM STANDARDS AND SPECIFICATIONS, AND WHICH PRODUCE A DRY WEIGHT, SOIL BULK DENSITY MEASUREMENT MAY BE ALLOWED SUBJECT TO DISTRICT APPROVAL.

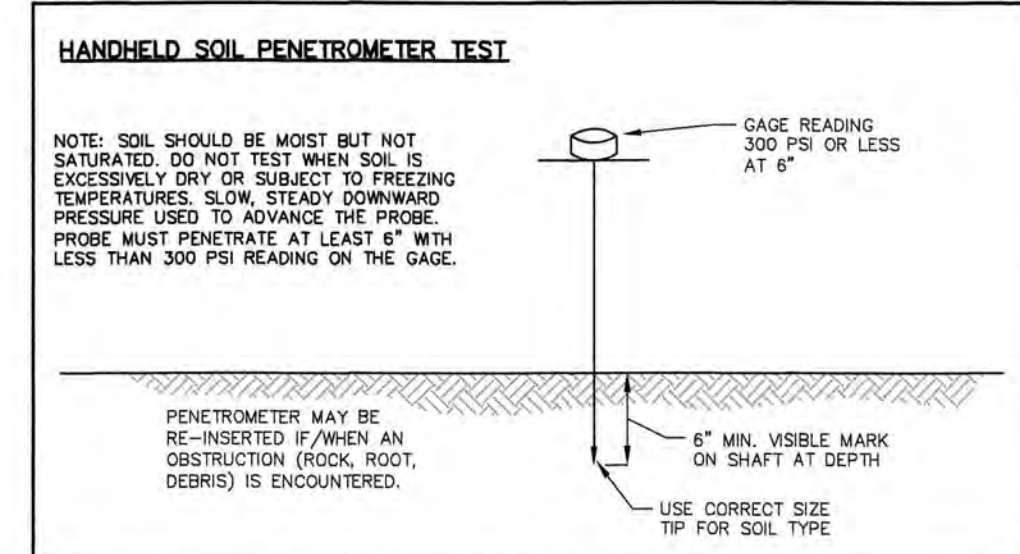
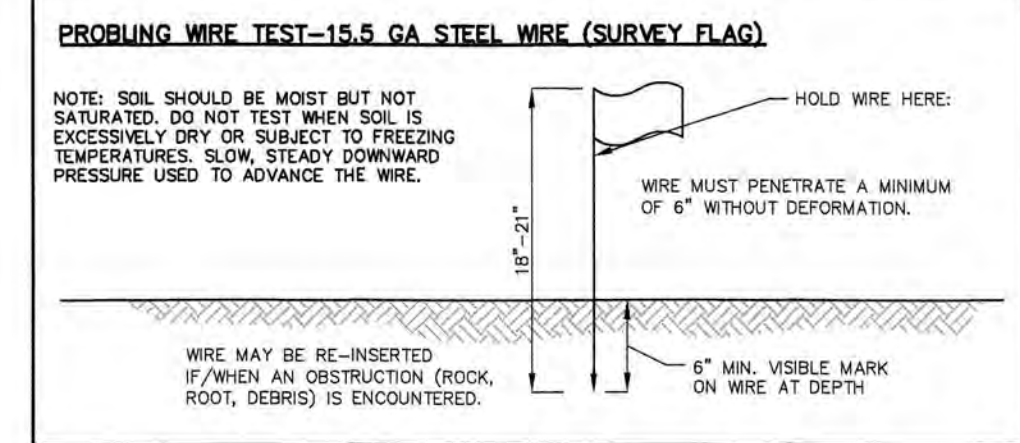
SOIL COMPACTION TESTING IS NOT REQUIRED IF WHEN SUBSOIL COMPACTION REMEDIATION (SCARIFICATION/TILLAGE (6" MINIMUM DEPTH) OR SIMILAR) IS PROPOSED AS PART OF THE SEQUENCE OF CONSTRUCTION.

### PROCEDURES FOR SOIL COMPACTION MITIGATION

PROCEDURES SHALL BE USED TO MITIGATE EXCESSIVE SOIL COMPACTION PRIOR TO PLACEMENT OF TOPSOIL AND ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.

RESTORATION OF COMPACTED SOILS SHALL BE THROUGH DEEP SCARIFICATION/TILLAGE (6" MINIMUM DEPTH) WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.). IN THE ALTERNATIVE, ANOTHER METHOD AS SPECIFIED BY A NEW JERSEY LICENSED PROFESSIONAL ENGINEER MAY BE SUBSTITUTED SUBJECT TO DISTRICT APPROVAL.

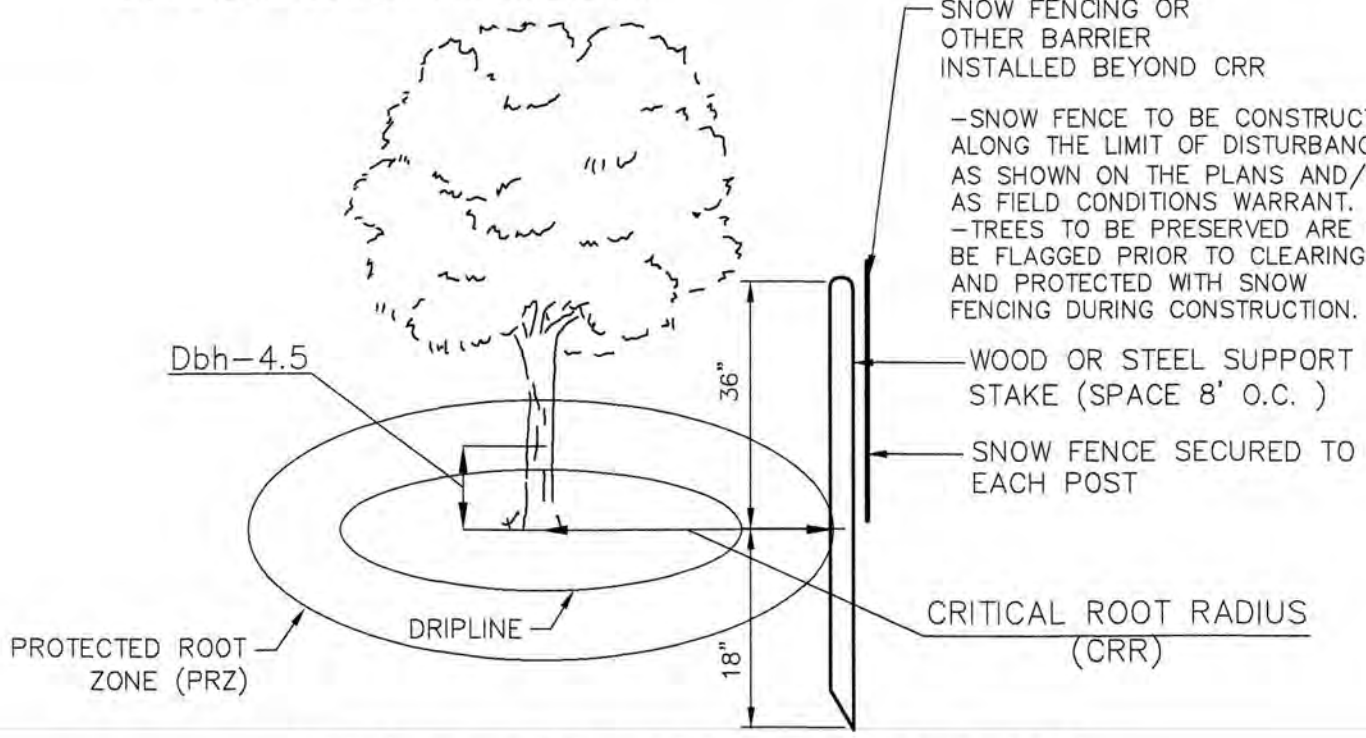
### SIMPLIFIED TESTING METHODS



### CRITERIA FOR PROTECTING REMAINING TREES:

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

NOTE: FOR MORE SPECIFIC TREE CHARACTERISTICS AND TREE LIMB REMOVAL, SEE THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY PUBLISHED BY THE NEW JERSEY DEPARTMENT OF AGRICULTURE-STATE SOIL CONSERVATION COMMITTEE OR CONSULT WITH A LICENSED PROFESSIONAL TREE EXPERT. SOIL CONSERVATION DISTRICT OR RUTGERS COOPERATIVE EXTENSION.



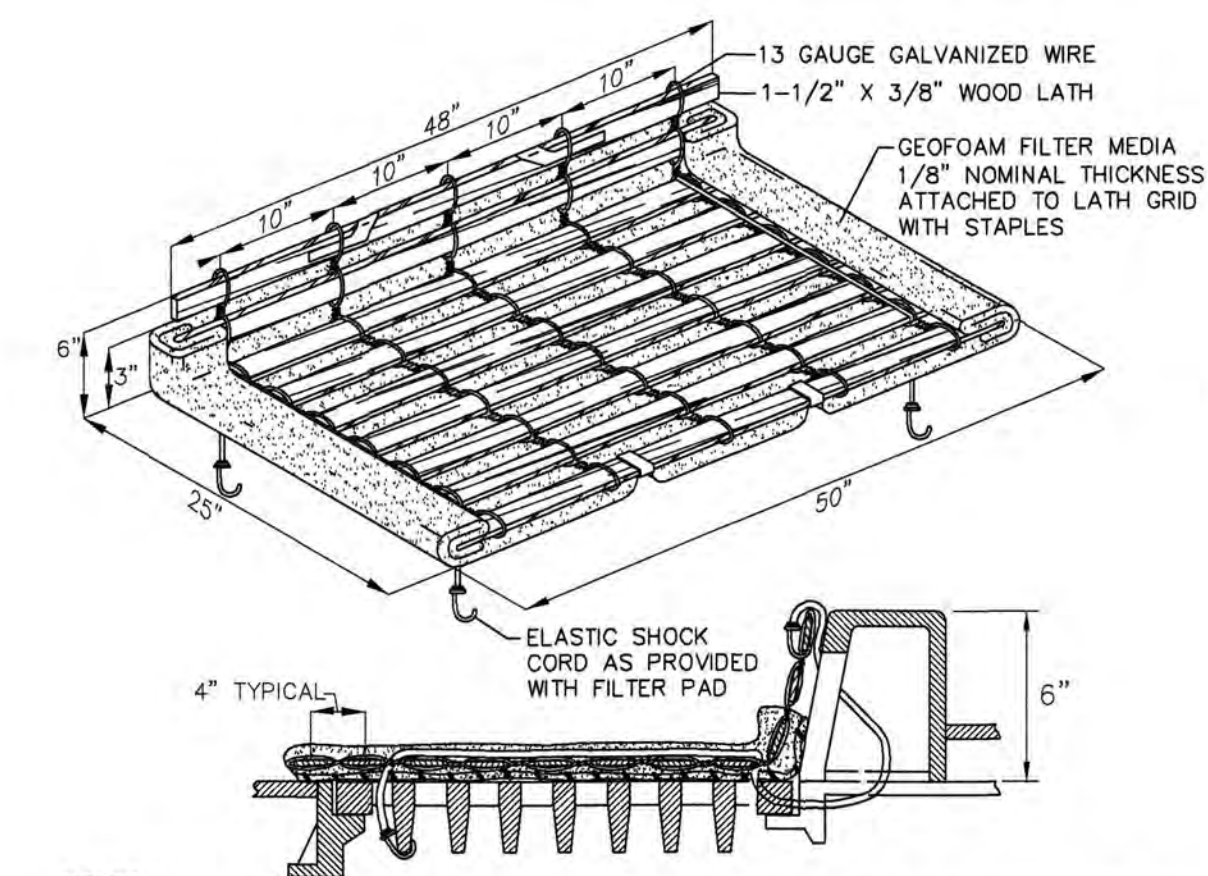
### ESTIMATE A TREE'S PROTECTED ROOT ZONE (PRZ) BY CALCULATING THE CRITICAL ROOT RADIUS (CRR).

- MEASURE THE DBH (DIAMETER OF TREE AT BREAST HEIGHT, 4.5 FEET ABOVE GROUND ON THE UPHILL SIDE OF TREE) IN INCHES.
- 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.

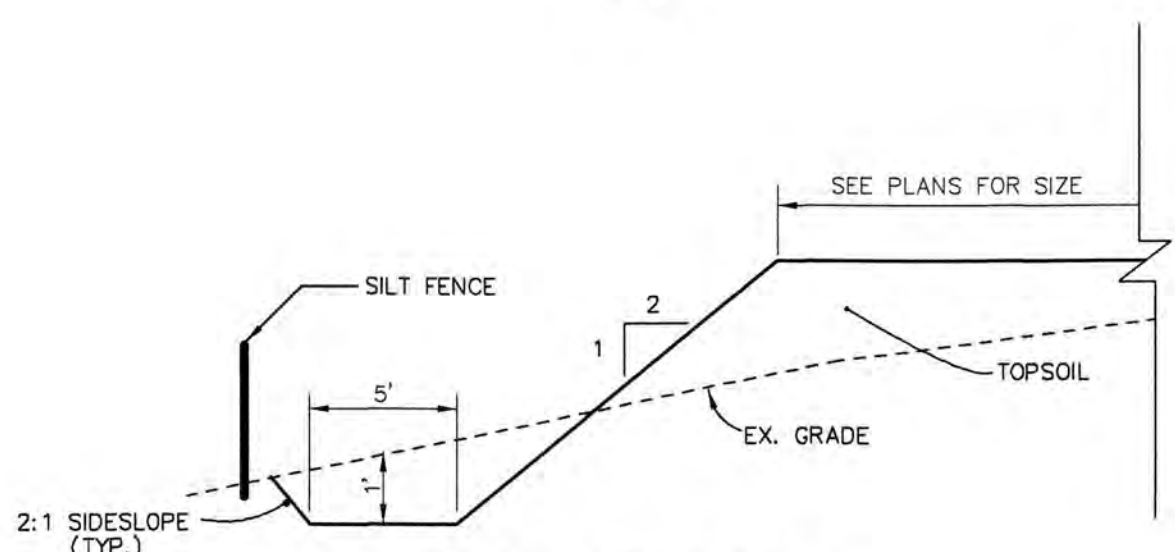
DBH X 1.0: CRITICAL ROOT RADIUS FOR YOUNGER, HEALTHY OR TOLERANT SPECIES

## TREE PROTECTION



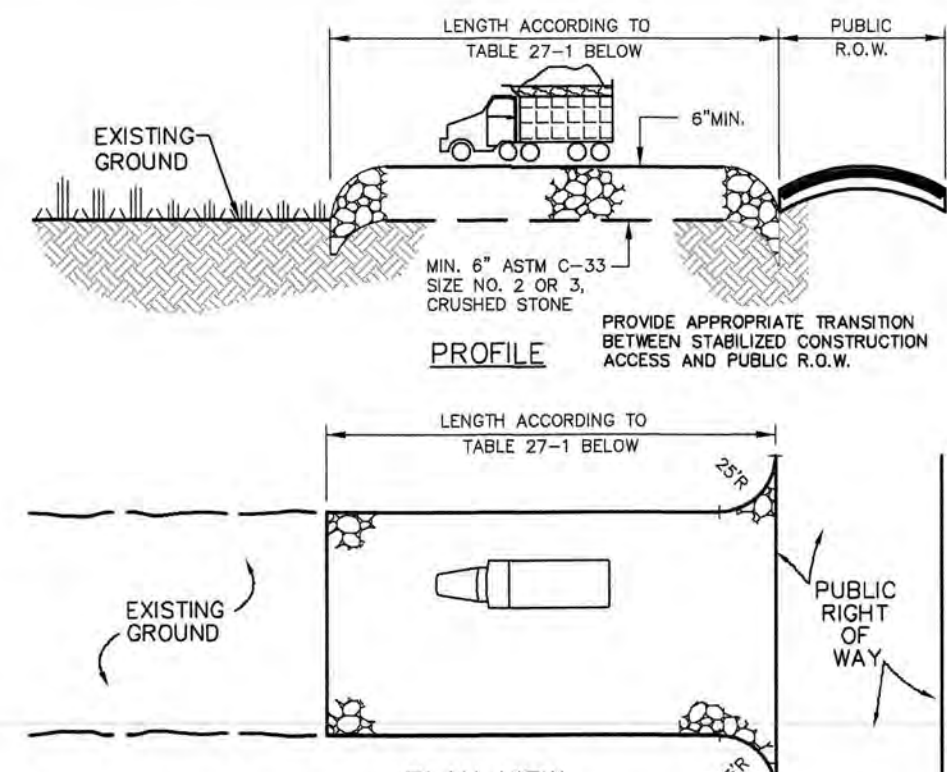
### INLET PROTECTION DETAIL

N.T.S.



### STOCKPILE DETAIL

N.T.S.



### STABILIZED CONSTRUCTION ACCESS

N.T.S.

- AT POORLY DRAINED LOCATIONS, SUBSURFACE DRAINAGE GRAVEL FILTER OR GEOTEXTILE SHALL BE INSTALLED BEFORE INSTALLING THE STABILIZED CONSTRUCTION ENTRANCE.
- INDIVIDUAL LOT ENTRANCE AND EGRESS - AFTER INTERIOR ROADWAYS ARE PAVED, INDIVIDUAL LOT INGRESS/EGRESS POINTS MAY REQUIRE A STABILIZED CONSTRUCTION ENTRANCE CONSISTING OF NO. 3 STONE (1" TO 2") TO PREVENT OR MINIMIZE TRACKING OF SEDIMENTS. WIDTH OF THE STONE INGRESS/EGRESS SHALL BE EQUAL TO LOT ENTRANCE WIDTH AND SHALL BE A MINIMUM OF TEN FEET IN LENGTH.
- TIRE WASHING - IF SPACE IS LIMITED, VEHICLE TIRES MAY BE WASHED WITH CLEAN WATER BEFORE ENTERING A PAVED AREA. A WASH STATION MUST BE LOCATED SUCH THAT WASH WATER WILL NOT FLOW ONTO PAVED ROADWAYS OR INTO UNPROTECTED STORM DRAINAGE SYSTEMS.
- WHEN THE CONSTRUCTION ACCESS EXISTS ONTO A MAJOR ROADWAY, A PAVED TRANSITION AREA MAY BE INSTALLED BETWEEN THE MAJOR ROADWAY AND THE STONED ENTRANCE TO PREVENT LOOSE STONES FROM BEING TRANSPORTED OUT ONTO THE ROADWAY BY HEAVY EQUIPMENT ENTERING OR LEAVING THE SITE.
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

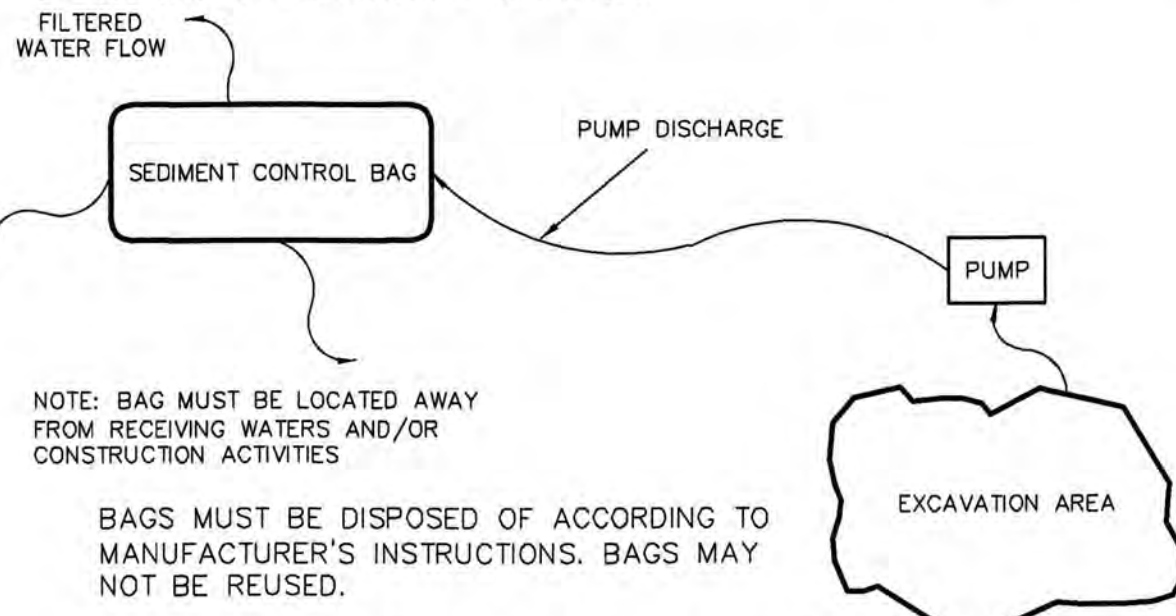
| Table 27-1: Lengths of Construction Exits on Sloping Roadbeds |                                                              |                    |
|---------------------------------------------------------------|--------------------------------------------------------------|--------------------|
| Percent Slope of Roadway                                      | Length of Stone Required                                     |                    |
|                                                               | Coarse Grained Soils                                         | Fine Grained Soils |
| 0 to 2%                                                       | 50 ft                                                        | 100 ft             |
| 2 to 5%                                                       | 100 ft                                                       | 200 ft             |
| >5%                                                           | Entire surface stabilized with FABC base course <sup>1</sup> |                    |

<sup>1</sup> As prescribed by local ordinance or other governing authority.

## SEDIMENT CONTROL BAG FOR DEWATERING

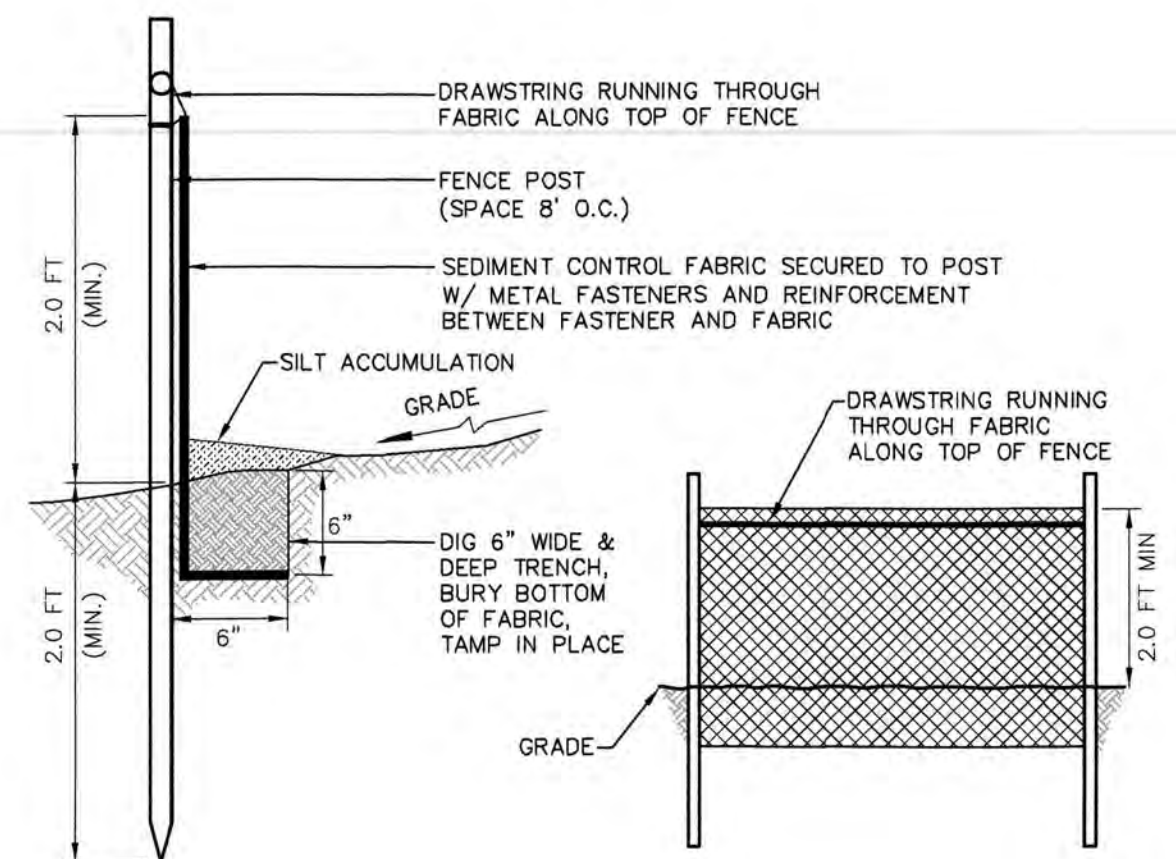
N.T.S.

- SILT CONTROL BAGS ARE CONTAINERS THROUGH WHICH SEDIMENT LADEN WATER IS PUMPED TO TRAP AND RETAIN THE SEDIMENT. A SILT CONTROL BAG IS TO BE USED ON SITES WHERE EXCAVATIONS ARE DEEP AND SPACES IS LIMITED AND WHERE DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO STREAM AND STORM DRAINAGE SYSTEM IS TO BE AVOIDED.
- CONTAINERS (BAGS) SHALL BE LOCATED FOR EASE OF CLEAN-OUT AND DISPOSAL OF THE TRAPPED SEDIMENT AND TO MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND PEDESTRIAN TRAFFIC. BAGS SHALL NOT BE PLACED DIRECTLY INTO RECEIVING WATERS.
- SEDIMENT CONTROL BAGS MUST BE LOCATED AWAY FROM RECEIVING WATERS AND DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS.



## SEDIMENT CONTROL BAG FOR DEWATERING

N.T.S.



- FENCE POSTS SHALL BE SPACE 8 FEET CENTER-TO-CENTER OR CLOSER. THEY SHALL EXTEND AT LEAST TWO (2) FEET INTO THE GROUND AND EXTEND AT LEAST TWO (2) FEET ABOVE GROUND. POSTS SHALL BE CONSTRUCTED OF HARDWOOD WITH A MINIMUM DIAMETER THICKNESS OF 1 1/2 INCHES.
- A METAL FENCE WITH 6-INCH OR SMALLER OPENINGS AND AT LEAST TWO (2) FEET HIGH MAY BE UTILIZED. FASTENED TO THE FENCE POSTS, TO PROVIDE REINFORCEMENT AND SUPPORT TO THE GEO-TEXTILE FABRIC WHERE SPACE FOR OTHER PRACTICES IS LIMITED AND HEAVY SEDIMENT LOADING IS EXPECTED.
- A GEO-TEXTILE FABRIC, RECOMMENDED FOR SUCH USE BY THE MANUFACTURER, SHALL BE BURIED AT LEAST 6-INCHES DEEP IN THE GROUND. THE FABRIC SHALL EXTEND AT LEAST TWO (2) FEET ABOVE THE GROUND. THE FABRIC MUST BE SECURELY FASTENED TO THE POSTS USING A SYSTEM CONSISTING OF METAL FASTENERS (NAILS OR STAPLES) AND A HIGH STRENGTH REINFORCEMENT MATERIAL (NYLON WEBBING, GROMMETS, WASHERS ETC.) PLACED BETWEEN THE FASTENER AND THE GEO-TEXTILE FABRIC. THE FASTENING SYSTEM SHALL RESIST TEARING AWAY FROM THE POST. THE FABRIC SHALL INCORPORATE A DRAWSTRING IN THE TOP PORTION OF THE FENCE FOR ADDED STRENGTH.

## SILT FENCE

N.T.S.

FOR CLARIFICATIONS AND ADDITIONAL INFORMATION SEE THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY, 7TH EDITION, JANUARY 2014, REVISED JULY 2017

| REVISIONS                                                                          |                       |            |
|------------------------------------------------------------------------------------|-----------------------|------------|
| 1) COMPLETENESS REVS                                                               | 04/26/18              |            |
| 2) RESOLUTION COMPLIANCE                                                           | 03/15/19              |            |
| 3) TOWNSHIP REVS                                                                   | 03/25/22              |            |
| THIS DRAWING IS FOR PERMIT PURPOSES ONLY. THIS DRAWING HAS BEEN CHECKED AND DATED. |                       |            |
| CHECKED BY:                                                                        | DATE:                 |            |
| THIS WORK PREPARED UNDER MY IMMEDIATE SUPERVISION...                               |                       |            |
| SCOTT H. TURNER                                                                    | PROFESSIONAL ENGINEER | NJPE#43811 |

**MENLO ENGINEERING ASSOCIATES, INC.**  
CIVIL ENGINEERS, LAND SURVEYORS AND PROFESSIONAL PLANNERS  
261 CLEVELAND AVENUE HIGHLAND PARK, NEW JERSEY 08904  
PHONE: (732) 846-6585 FAX: (732) 846-9439  
CERTIFICATE OF AUTHORIZATION: 240A27951900

**VILLAGE WALK - MONTGOMERY**  
MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY  
**SOIL EROSION & SEDIMENT CONTROL DETAILS - 2**  
BLOCK 28007 LOTS 1, 2, 3, & 4; BLOCK 28009 LOT 4 TAX MAP SHEET:55 10.97 ACRES

DRWN. BY JAN  
USN. BY CJS  
CHKD. BY ST  
APPRD. BY ST

DATE OF ISSUE  
MARCH 16, 2018  
REV 3) FEBRUARY 25, 2022

SCALE: N.T.S.  
JOB # 2015.063  
SHEET # 23



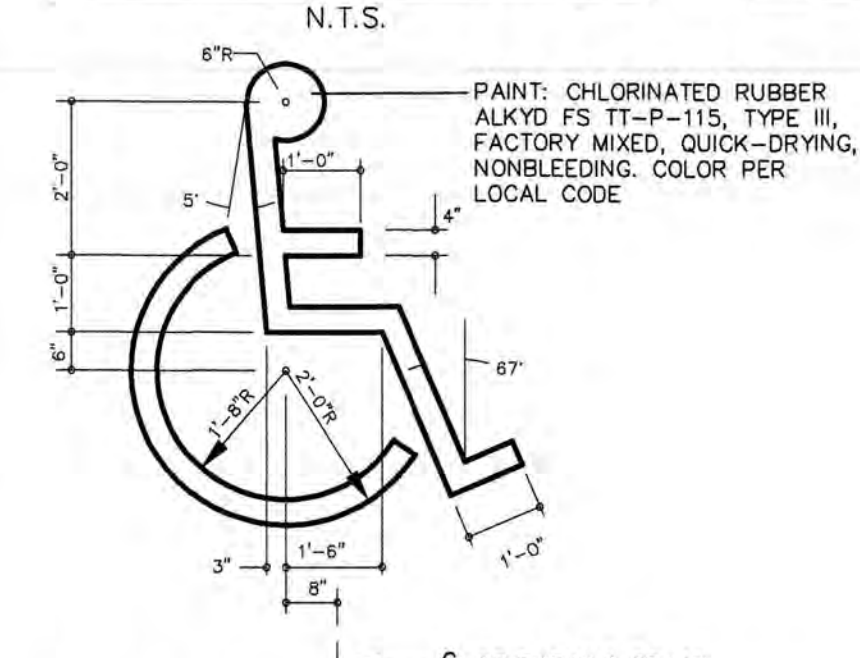
## PAVEMENT MARKING NOTE:

1. THE COLOR OF ALL PAVEMENT MARKINGS IS WHITE UNLESS OTHERWISE NOTED ON THE PLANS.

NOTE:

FOR PROPORTIONS SEE "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS." FHWA

## STOP BAR PAVEMENT MARKING

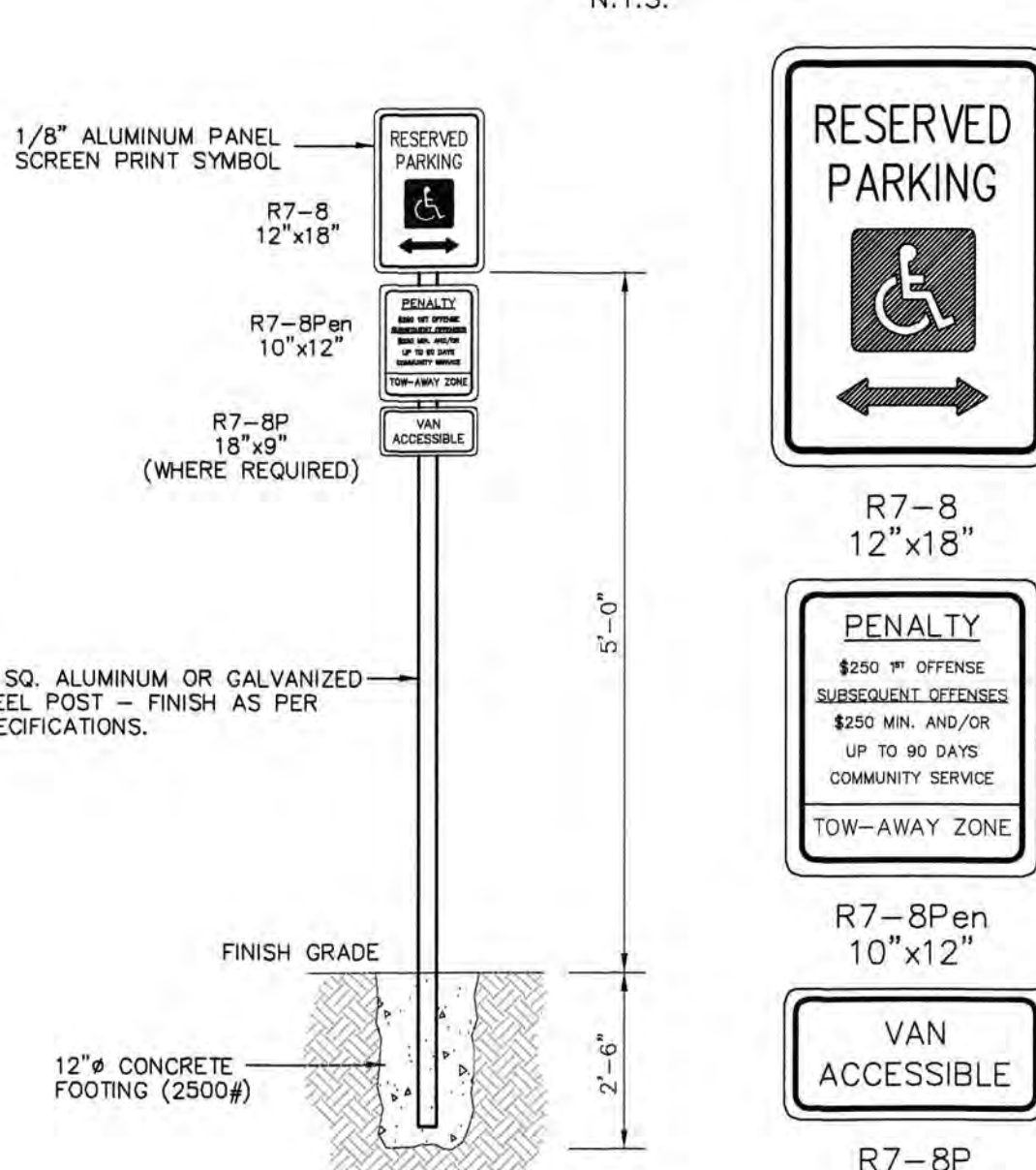


## ACCESSIBLE PARKING DETAIL

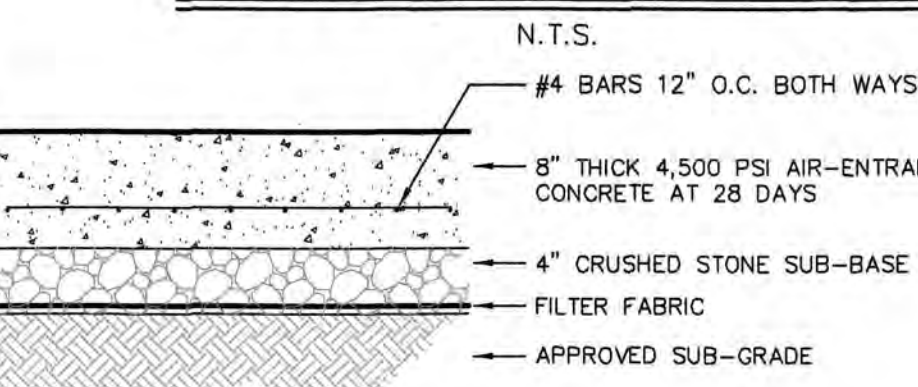


## SIGN DETAILS

N.T.S.

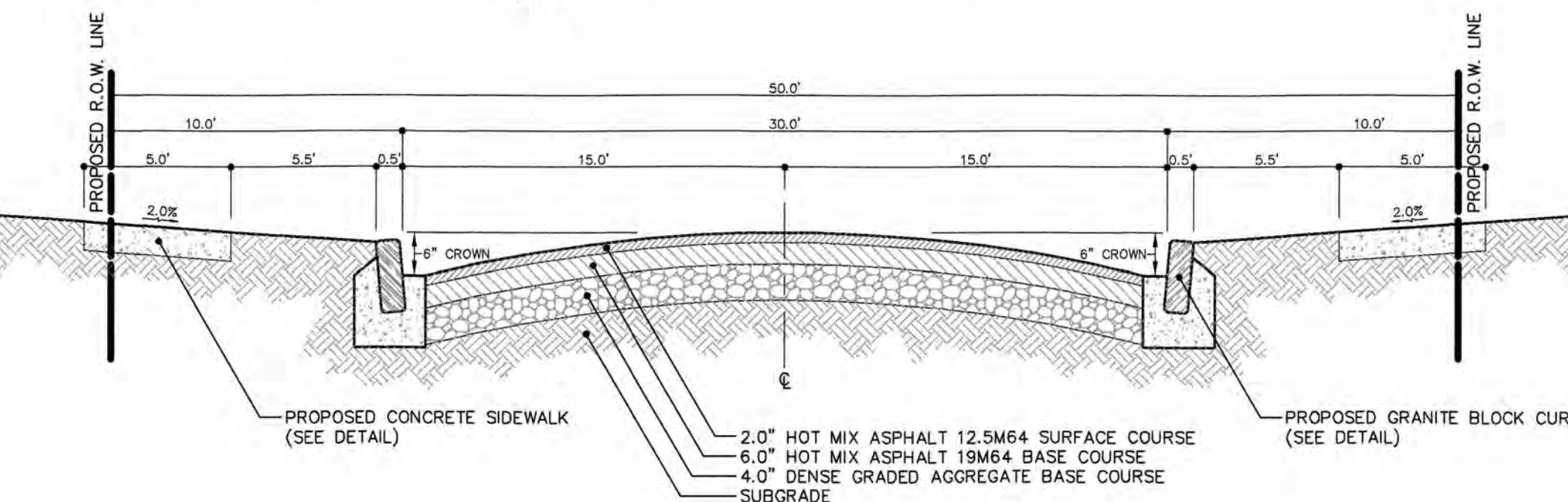


## ACCESSIBLE SIGN DETAIL



## STAMPED CONCRETE PATTERN DETAIL

N.T.S.



## TYPICAL ROADWAY CROSS SECTION

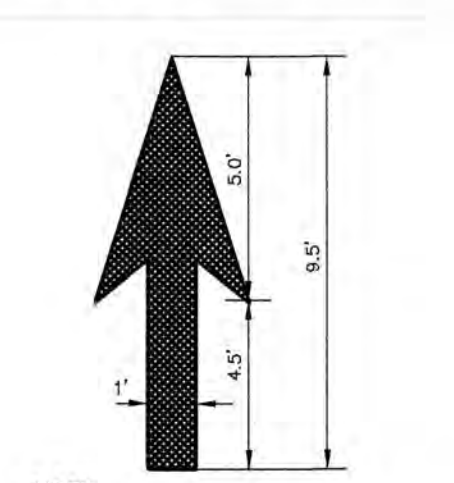
N.T.S.



NOTE: FOR PROPORTIONS SEE "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS." FHWA

## "ONLY" PAVEMENT MARKING

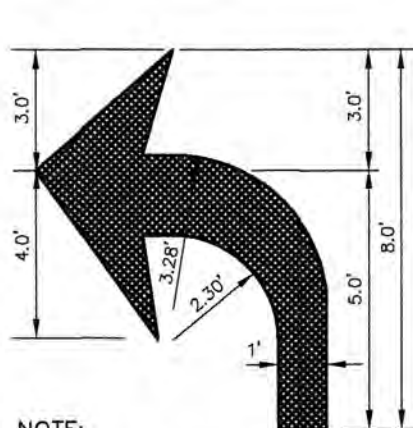
N.T.S.



NOTE: FOR PROPORTIONS SEE "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS." FHWA

## STRAIGHT ARROW DETAIL

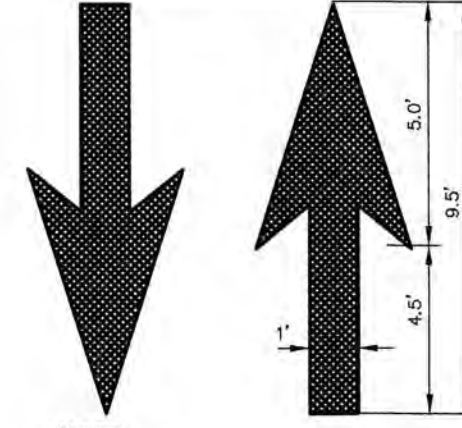
N.T.S.



NOTE: FOR PROPORTIONS SEE "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS." FHWA

## LEFT TURN ARROW DETAIL

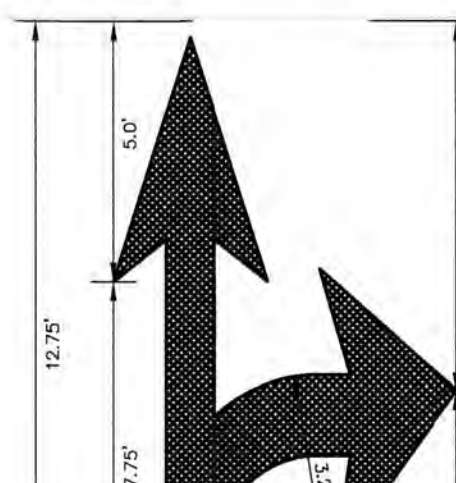
N.T.S.



NOTE: FOR PROPORTIONS SEE "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS." FHWA

## DOUBLE STRAIGHT ARROW DETAIL

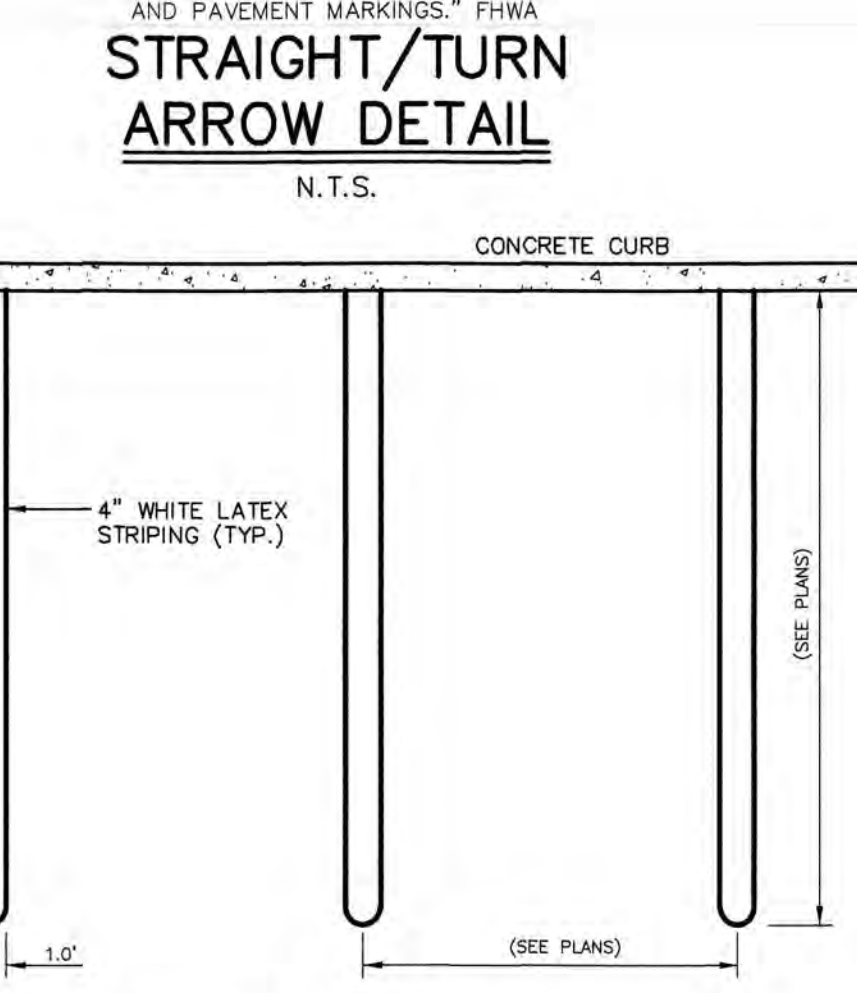
N.T.S.



NOTE: FOR PROPORTIONS SEE "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS." FHWA

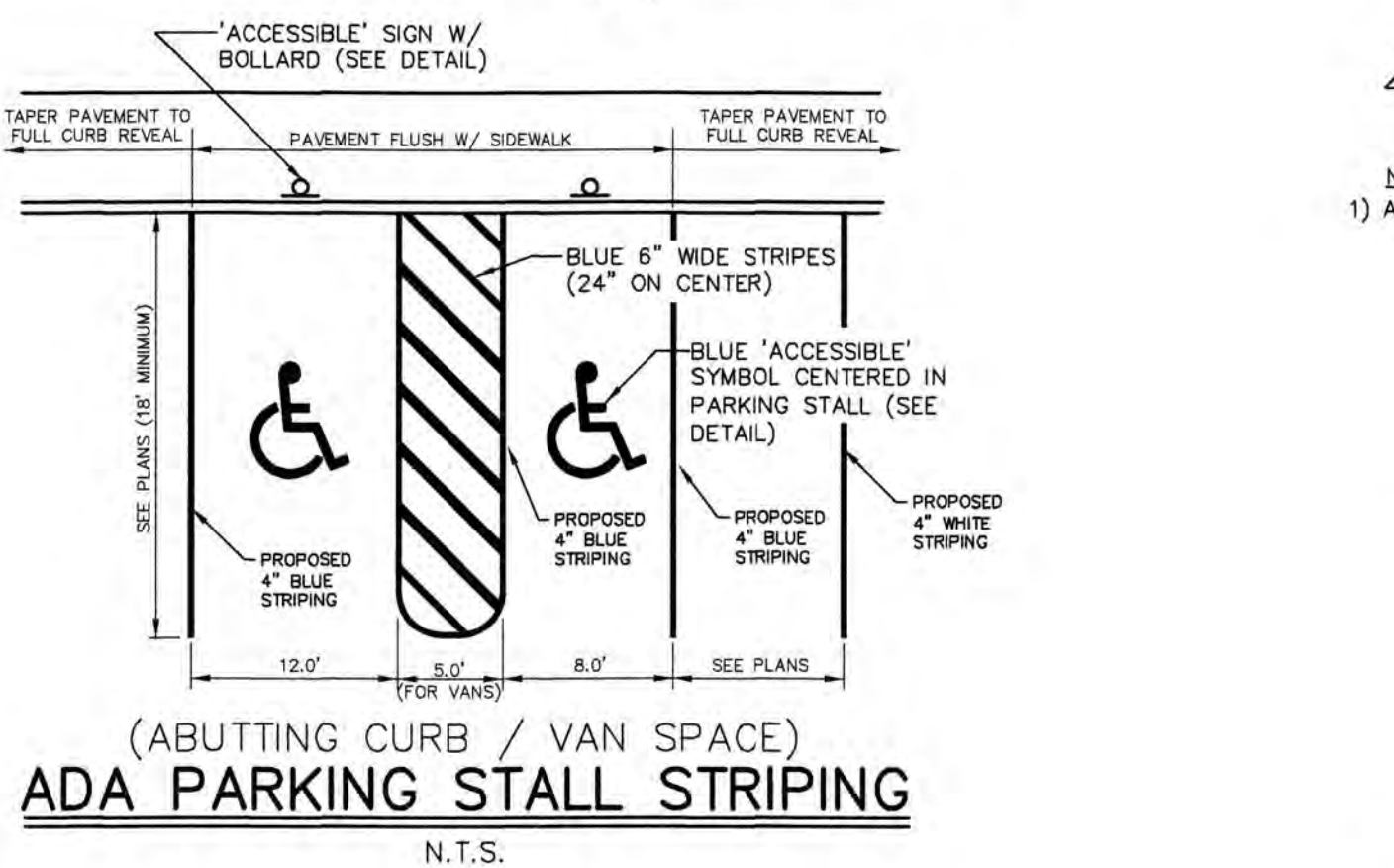
## STRAIGHT/TURN ARROW DETAIL

N.T.S.



## HAIRPIN STRIPING DETAIL

N.T.S.

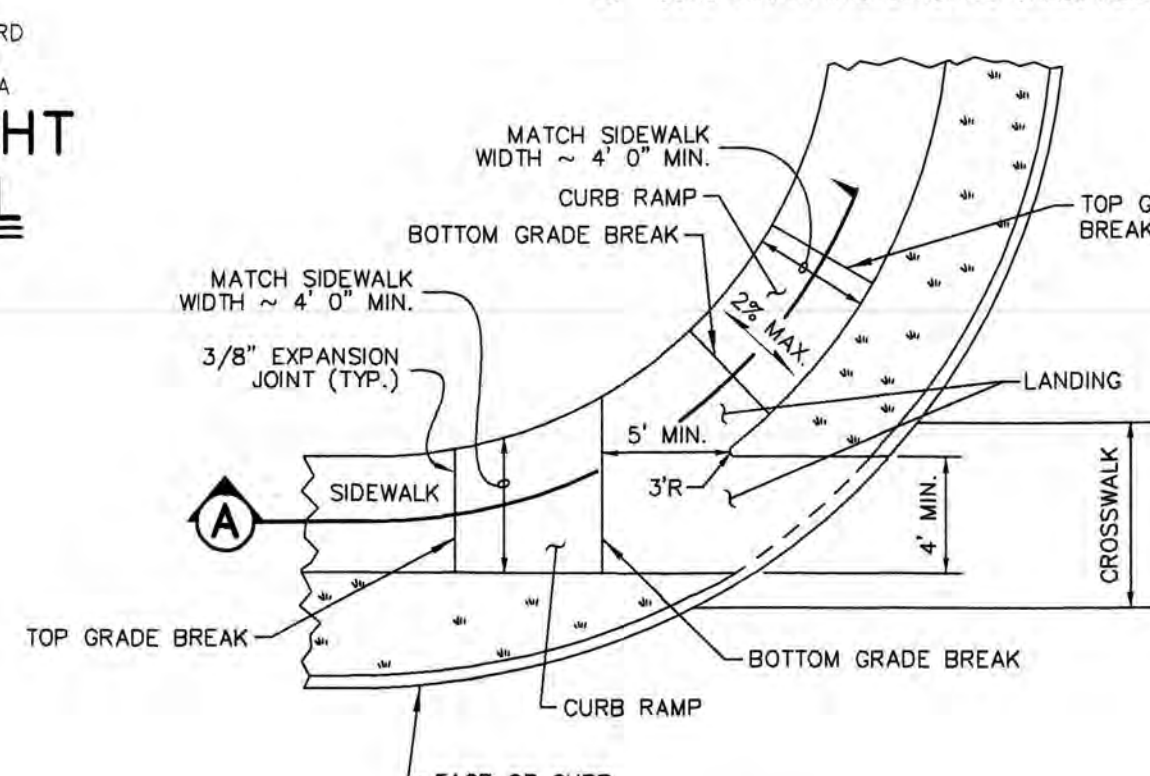


## ADA PARKING STALL STRIPING

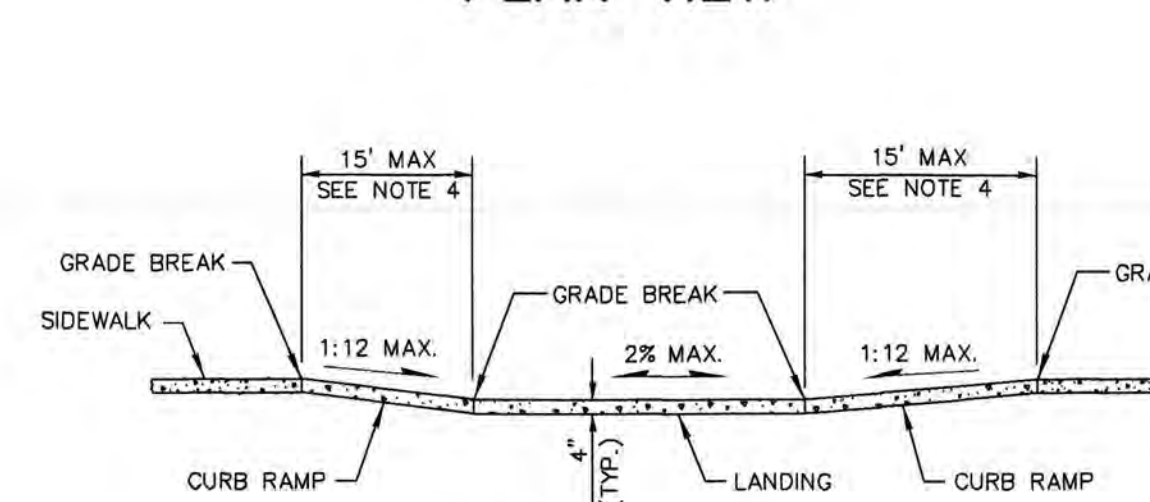
N.T.S.

## NOTES:

- CURB RAMP SHALL BE PLACED WITHIN THE WIDTH OF THE ASSOCIATED CROSSWALK, OR AS SHOWN IN THE PLANS.
- WHERE "GRADE BREAK" IS CALLED OUT, THE ENTIRE LENGTH OF THE GRADE BREAK BETWEEN THE TWO ADJACENT SURFACE PLANES SHALL BE FLUSH.
- DO NOT PLACE GRATINGS, JUNCTION BOXES, ACCESS COVERS OR OTHER APPURTENANCES IN FRONT OF THE CURB RAMP OR ON ANY PART OF THE CURB RAMP OR LANDING.
- THE CURB RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE CURB RAMP SHALL BE AS FLAT AS FEASIBLE.
- CURB RAMP AND LANDINGS SHALL RECEIVE BROOM FINISH.



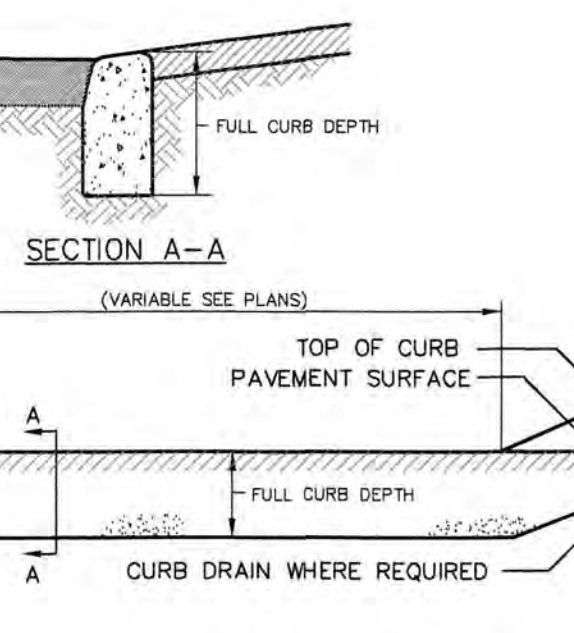
## PLAN VIEW



## SECTION A

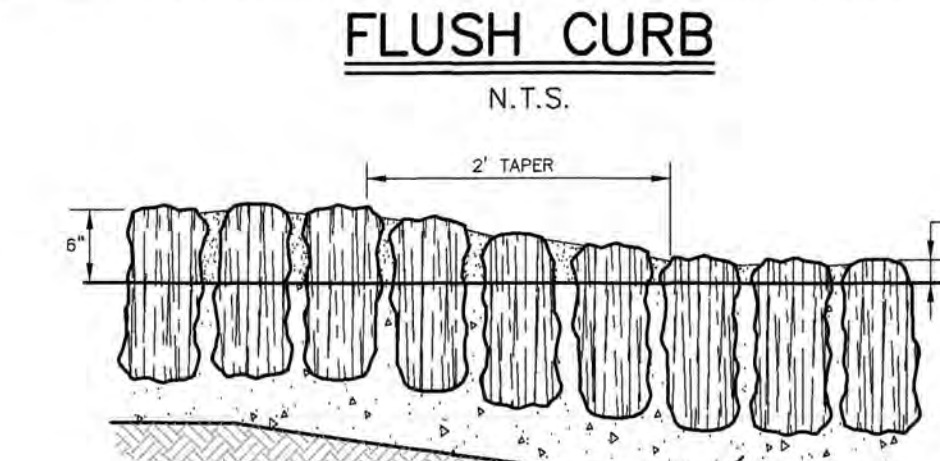
## CURB RAMP SINGLE DIRECTION PEDESTRIAN CROSSING

N.T.S.



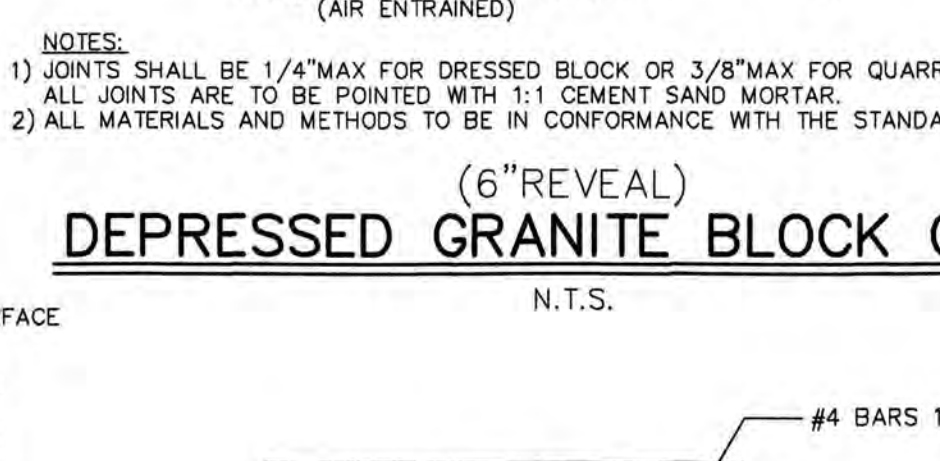
## FLUSH CURB

N.T.S.



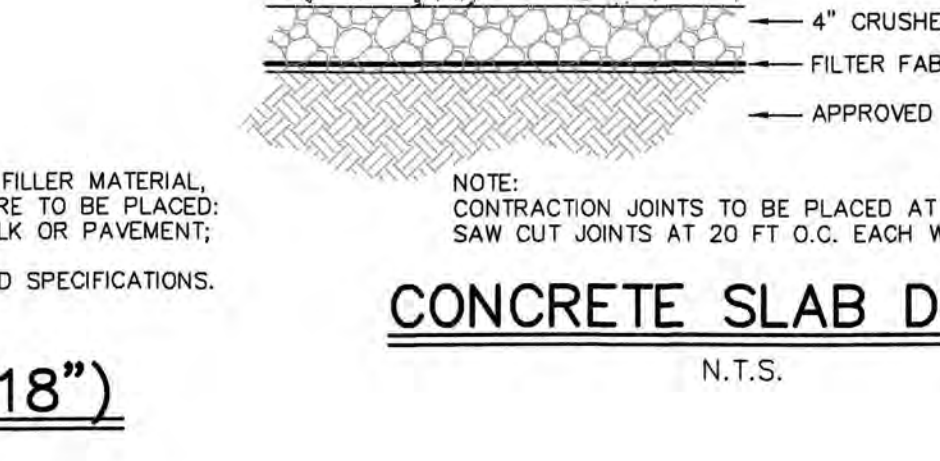
## DEPRESSED GRANITE BLOCK CURB

N.T.S.



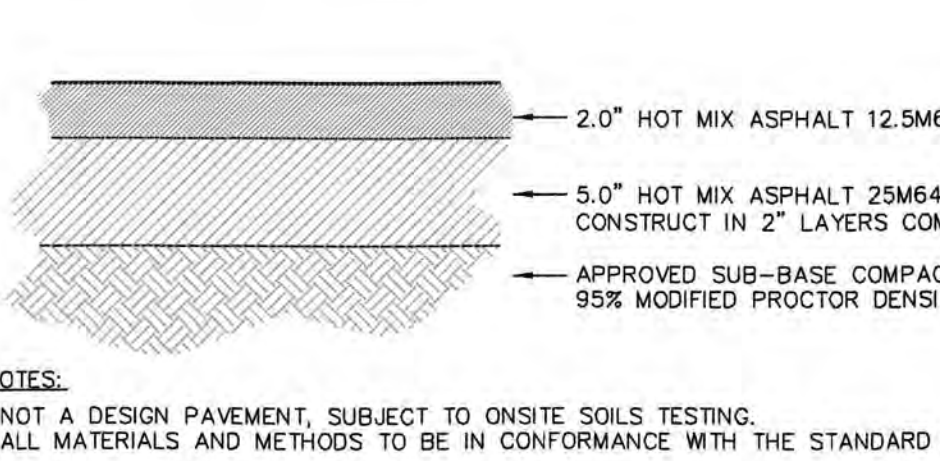
## CONCRETE SLAB DETAIL

N.T.S.



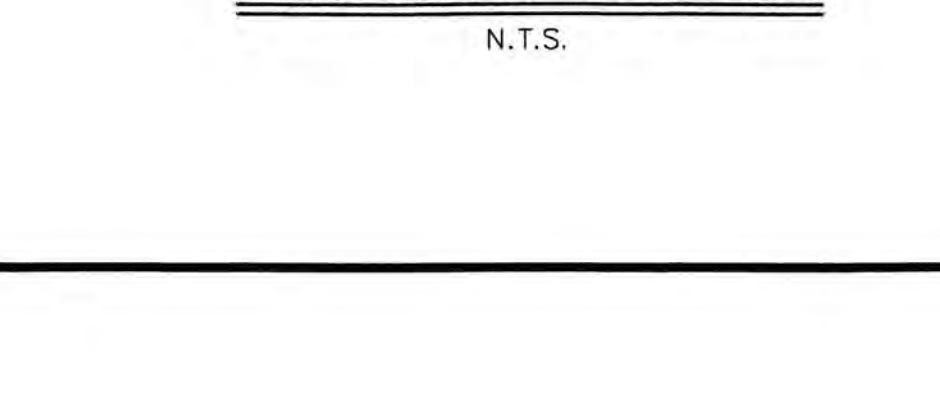
## CONCRETE SLAB DETAIL

N.T.S.



## CONCRETE SLAB DETAIL

N.T.S.



## CONCRETE SLAB DETAIL

N.T.S.

## GENERAL ADA NOTES

- PEDESTRIAN CURBS
  - PEDESTRIAN CURBS ARE PERMITTED WHEN ADJACENT TO NON-WALK AREAS OR ELEVATION DIFFERENCES WHICH CANNOT BE ACCOMMODATED BY FLARES OR GRADING.
- CROSSWALKS
  - FOR CURB RAMP THAT LEAD TO A SINGLE CROSSWALK, THE RAMP (EXCLUDING FLARES) TO BE FULLY INSIDE OF MARKED CROSSWALK LINES.
  - SHOULD BE PLACED AT A MINIMUM DISTANCE OF 4'-0" FROM STOP AND YIELD LINES.
  - FOR UN-SIGNALIZED AREAS, CROSSWALKS SHOULD BE PLACED A MINIMUM DISTANCE OF 20'-0" AWAY FROM ON ROAD PARKING ZONES. FOR SIGNALIZED AREAS, CROSSWALKS SHOULD BE PLACED A MINIMUM DISTANCE OF 30'-0" FROM ON ROAD PARKING ZONES.
  - PEDESTRIAN CROSSWALKS ARE 6'-0" MINIMUM MEASURED FROM THE PAINTED EDGE TO INSIDE PAINTED EDGE AND THE INSIDE LINES MUST BE OUTSIDE THE PROJECTED CURB LINES.
  - ADJUST USING THE PARALLEL LINE CROSSWALKS TO USE THE LONGITUDINAL LINE OF THE CURB RAMP INCLUDING FLARED SIDE RAMP.
  - TO AVOID CHASING GRADE INDEFINITELY WHEN TRAVERSING THE HEIGHT OF CURB, RAMP LENGTH NOT TO EXCEED 15'-0". ADJUST RAMP SLOPE AS NEEDED TO PROVIDE ACCESS TO THE MAXIMUM EXTENT FEASIBLE.
  - FOR NEW CONSTRUCTION AND ALTERATIONS, CONSTRUCT CURB RAMP AND FLARE SLOPES WITH THE FLATTEST SLOPE POSSIBLE.
  - FOR NEW CONSTRUCTION, ATTEMPT TO KEEP THE CROSS SLOPE AS FLAT AS POSSIBLE. DO NOT EXCEED 2.00% CROSS SLOPE ON THE CURB RAMP OR PEDESTRIAN ACCESSIBLE ROUTE (MEASURED PERPENDICULAR TO THE DIRECTION OF TRAVEL).
  - CURB RAMP AND SIDE FLARE LENGTHS ARE VARIABLE AND BASED ON CURB HEIGHT AND THE SIDEWALK SLOPE.
  - CURB RAMP WIDTH IS 4'-0" MINIMUM.
  - AVOID CURB RAMP DESIGN WHERE THE WIDTH OF THE CROSSWALK WILL NEED TO BE GREATER THAN 10'-0" WIDE.
  - ALL SLOPES ARE MEASURED WITH RESPECT TO A LEVEL PLANE. THEREFORE, THE LENGTH OF RAMP IS NOT SOLELY DEPENDANT ON THE HEIGHT OF CURB. (FOR EXAMPLE, A 6" CURB DOES NOT NECESSARILY MEAN A RAMP LENGTH OF 6'-0" FOR A 12:1 SLOPE).
  - THE CHANGE IN GRADE AT THE BOTTOM OF THE CURB RAMP AND ADJOINING ROAD SURFACE IS NOT TO EXCEED AN ALGEBRAIC DIFFERENCE OF 11.00%. THE COUNTER SLOPE OF THE GUTTER OR ROAD AT THE FOOT OF A CURB RAMP, LANDING OR BLENDED TRANSITION IS NOT TO EXCEED 6.00% AND IT IS NOT NECESSARY TO HAVE THE LENGTH GREATER THAN 10'-0".
  - WHEN TWO CROSSWALKS LEAD TO A SINGLE CURB RAMP, THE MAXIMUM RUNNING SLOPE IS 5% WITH A MAXIMUM 2% CROSS SLOPE. THESE TYPES OF RAMP REQUIRE THE ENGINEERING DEPARTMENT'S APPROVAL AS THEY ARE NOT PREFERRED.
- DEPRESSED CURBS
  - CONSTRUCT TOP OF PLAIN CEMENT CONCRETE DEPRESSED CURB TO BE FLUSH WITH ADJACENT SURFACES (RAMPS, SIDEWALKS, FLARES).
  - CONSTRUCT DEPRESSED CURB FOR CURB RAMP FLUSH TO ADJACENT ROADWAY. GRADE EDGE OF ROAD ELEVATIONS AT THE FLOW LINE TO ENSURE POSITIVE DRAINAGE AND PREVENT PONDING. FOR LEVEL LANDINGS BEHIND DEPRESSED CURB, ADJUST SLOPES TO PROVIDE POSITIVE DRAINAGE. THE VERTICAL ALIGNMENT OF A CURB RAMP, EXCLUDING FLARES, SHALL BE PLANAR. GRADE BREAKS SHALL BE FLUSH AND PERPENDICULAR TO THE DIRECTION OF THE RAMP. RAMP TRANSITIONS BETWEEN WALKED SIDE, GUTTERS, LANDINGS, OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT VERTICAL CHANGES (1/4" MAXIMUM).
  - WHEN TWO CROSSWALKS LEAD TO A SINGLE CURB RAMP, THE DEPRESSED CURB MUST EXTEND FROM THE OUTER MOST EDGE OF EACH CROSSWALK.
- DETECTABLE WARNING SURFACES
  - NO SEPARATION BETWEEN DETECTABLE WARNING SURFACES FOR MEDIANS LESS THAN 4'-0" BETWEEN BACK OF CURBS.
  - PROVIDE DETECTABLE WARNING SURFACES (DWS) 24" MINIMUM (IN THE DIRECTION OF PEDESTRIAN TRAVEL) ACROSS FULL WIDTH OF RAMP AT THE GRADE BREAK NEAR STREET EDGE. (PROVIDE DWS THAT CONTRAST VISUALLY WITH ADJACENT WALKWAY SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT FOR THE FULL WIDTH OF RAMP).
  - ALSO DETECTABLE WARNING SURFACE TRUNCATED DOMES ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF THE RAMP AND PERPENDICULAR TO CURB WHEN APPROPRIATE.
  - DETECTABLE WARNING SURFACES SHALL BE SAFETY RED COLOR, EXCEPT IF THE MUNICIPALITIES HAVE ESTABLISHED AN ALTERNATIVE COLOR SCHEME.
  - FOR TWO CROSSWALKS LEADING TO A SINGLE CURB RAMP, THE DETECTABLE WARNING SURFACE MUST BE PLACED ALONG THE ENTIRE DEPRESSED CURB AND THE DOMES MUST BE PLACED IN SUCH A WAY THAT THE DIRECTION OF TRAVEL IS ORIENTED INTO THE CROSSWALK.
- DRIVEWAYS
  - 5.00% MAXIMUM SLOPE FOR THE DRIVEWAY APRON.
  - 1 1/2" MAXIMUM VERTICAL CHANGE IN HEIGHT BETWEEN THE ROAD SURFACE AND THE DEPRESSED CURB AT THE DRIVEWAY APRON.
- JOINTS
  - PROVIDE EXPANSION JOINT MATERIAL 1/2" THICK WHERE CURB RAMP ADJOINS ANY RIGID PAVEMENT. SIDEWALK OR STRUCTURE WITH THE TOP OF JOINT FLUSH WITH ADJACENT CONCRETE SURFACE.
  - SEAL JOINTS WITH AN APPROVED SEALING MATERIAL.
- LANDINGS (AKA TURNING SPACE)
  - LANDING AREA, APPROACH SIDEWALK TRANSITIONS, AND CURB RAMP SHALL BE KEPT CLEAR OF OBSTRUCTIONS, UNLESS AN EXCEPTION IS GRANTED.
  - DO NOT EXCEED 2.00% SLOPE IN ALL DIRECTIONS.
  - LANDING AREA SHOULD BE 4'-0" X 4'-0" MINIMUM CLEAR SPACE. IF THE TURNING SPACE IS CONSTRAINED ON 2 OR MORE SIDES, IT MUST BE 4' MIN. WITH THE 5' LENGTH ALONG THE UNOBSTRUCTED SIDE. FOR TWO CROSSWALKS LEADING TO A SINGLE CURB, THE LANDING AREA MUST HAVE A MINIMUM OF A 5'-0" DEPTH (INCLUDING THE DETECTABLE WARNING SURFACE) ALONG THE DEPRESSED CURB/ROADWAY.
  - ENGINEERING DEPARTMENT APPROVAL IS REQUIRED IF LANDING FOR TURNING MANUEVER IS NOT ON THE SIDEWALK. I.E. IF THE LANDING AREA "CLEAR SPACE" IS IN THE ROADWAY.
  - 4'x4' LANDINGS ARE REQUIRED AT EVERY ACCESSIBLE PEDESTRIAN SIGNAL/PUSHBUTTON LOCATION.
- NON-WALK SURFACES
  - NON-WALK AREA IS AN OBSTRUCTION OR GRASS/NON-PAVED AREA ADJACENT TO THE PEDESTRIAN ACCESS ROUTE THAT IS NOT USED BY THE PEDESTRIAN FOR ACCESS.
- PEDESTRIAN PUSHBUTTONS
  - THE DETAILS DEPICT PEDESTRIAN PUSHBUTTON POLES TO ILLUSTRATE THE RECOMMENDED PLACEMENT OF PEDESTRIAN PUSHBUTTONS. FOR ALTERNATION PROJECTS, PROVIDE ACCESS TO EXISTING PEDESTRIAN PUSHBUTTONS TO THE MAXIMUM EXTENT FEASIBLE (SEE 2009 MAINT. FIG. 4E-3).
  - CONSTRUCTION MUST COMPLY WITH RECOMMENDED LOCATIONS FOR ALTERNATION PROJECTS LOCATE PEDESTRIAN PUSHBUTTONS TO THE MAXIMUM EXTENT FEASIBLE (SEE 2009 MAINT. FIG. 4E-3).
  - ADJUST TO A LEVEL NON-SUP SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS A HANDICAP WHERE ACCESSIBLE ACCESS IT MUST BE 4'-0" MIN. WITH THE 5' LENGTH ALONG THE UNOBSTRUCTED SIDE.
  - WITHIN 5'-0" OF THE CROSSWALK EXTENDED.
  - BETWEEN 1'-6" AND 10'-0" OF THE EDGE OF CURB, SHOULDER OR PAVEMENT.
  - PARALLEL TO BE PLACED ADJACENT TO THE BACK OF CURB.
  - MOUNT PEDESTRIAN PUSHBUTTON 42" ABOVE THE SIDEWALK OR FINISHED GRADE TO THE CENTER OF THE PUSHBUTTON AND 10" MAXIMUM LATERALLY FROM LANDING. IN ADDITION, THE PEDESTRIAN PUSHBUTTON MUST ALSO BE 6'-0" MINIMUM DISTANCE FROM THE CURB RAMP AND 2'-0" MINIMUM DISTANCE FROM A CATCH BASIN AND THE PEDESTRIAN PUSHBUTTON.
- SIDE FLARES
  - ALL SLOPES ARE MEASURED WITH RESPECT TO A LEVEL PLANE. THEREFORE, THE LENGTH OF RAMP IS NOT SOLELY DEPENDANT ON THE HEIGHT OF CURB. (FOR EXAMPLE, A 6" CURB DOES NOT NECESSARILY MEAN A RAMP LENGTH OF 6'-0" FOR A 12:1 SLOPE).
  - SIDE FLARES 10.00% MAXIMUM SLOPE WHERE THE PEDESTRIAN PATH CROSSES THE CURB RAMP.
  - SIDE FLARES MUST BE PARALLEL TO THE CURB LINE.
  - CURB RAMP AND SIDE FLARE LENGTHS ARE VARIABLE AND BASED ON CURB HEIGHT AND THE SIDEWALK SLOPE.
  - GRADE GRASS AREAS OR OTHER NON-WALK AREAS AT 3:1 (1:3) MAXIMUM. DO NOT INSTALL CHEEK WALLS THAT INTERSECT THE PEDESTRIAN ACCESS ROUTE.
  - SIDE FLARE WIDTH IS TYPICALLY 2'4" AND A MINIMUM OF 12".
- SIDEWALKS
  - NOTE THE AREA CONSIDERED TO BE THE "PEDESTRIAN ACCESSIBLE ROUTE"
  - THE MAXIMUM SIDEWALK CROSS SLOPE IS 2.00% (MEASURED PERPENDICULAR TO THE DIRECTION OF TRAVEL). THE MAXIMUM GRADE IS 5.00%. FOR SIDEWALKS CROSSING STREETS, HOWEVER, THE LONGITUDINAL GRADE OF THE SIDEWALK SHOULD BE CONSISTENT WITH THE GRADE OF THE ADJACENT ROADWAY. IF THE 5.00% GRADE IS NOT FEASIBLE DUE TO TOPOGRAPHY AND OTHER PHYSICAL CONSTRAINTS, THE LOWEST PRACTICAL GRADE GREATER THAN 5.00% SHOULD BE USED.
  - SIDEWALK WIDTH MAY BE REDUCED TO 4'-0", WHEN PASSING AREAS 5'-0" X 5'-0" ARE PROVIDED EVERY 200'.
- TRAVEL LANES
  - THE TRAVEL LANE IS DEFINED BY THE OUTSIDE EDGE OF THE WHITE PAVEMENT MARKING LINE. IF A WHITE PAVEMENT MARKING LINE DOES NOT EXIST, THE TRAVEL LANE IS DEFINED BY THE CONTRACT DOCUMENTS.
- MODIFY CONSTRUCTION DETAILS TO ADAPT DIMENSIONS TO EXISTING CURB HEIGHTS WHERE THE CURB IS LESS OR MORE THAN THE STANDARD 6" HEIGHT.
- CONSTRUCTION MUST MEET THE STANDARDS CONTAINED HEREIN UNLESS OTHERWISE NOTED OR DIRECTED.
- PREFERRED AND ALTERNATE TREATMENTS SHOULD NOT BE INTERMIXED WITHIN THE SAME INTERSECTION.
- HANDICAP RAMP RAMP CONSTRUCTION IN THIS CONTRACT SHALL MEET ACCESSIBILITY REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT.
- THE CONTRACTOR IS REQUIRED TO CONTACT THE TRAFFIC ENGINEERING DEPARTMENT ABOUT THE CONSTRUCTION OF ALL HANDICAP CURB RAMP AT SIGNALIZED INTERSECTIONS AND VERIFY THE STRIPING PLAN IS IN ACCORDANCE WITH THE MOST RECENT NO PASSING ZONE PLAN.
- GRADE BREAKS
  - GRADE BREAKS AT THE TOP AND BOTTOM OF THE CURB RAMP SHALL BE PERPENDICULAR TO THE DIRECTION OF THE RAMP RUN.
  - GRADE BREAKS ARE NOT PERMITTED ON THE SURFACE OF RAMP RUNS OR LANDING AREAS.
  - SURFACE SLOPES THAT MEET AT THE GRADE BREAKS SHALL BE FLUSH.
- FOR NEW CONSTRUCTION AND ALTERATIONS, CONSTRUCT CURB RAMP AND FLARE SLOPES WITH THE FLATTEST SLOPE POSSIBLE.
- ALL VERTICAL SURFACE DISCONTINUITIES SHALL NOT EXCEED 1/4" IN HEIGHT. ANY VERTICAL SURFACE DISCONTINUITY BETWEEN 1/4" AND 1/2" SHALL BE BEVELED AT A SLOPE NO GREATER THAN 50% ACROSS THE ENTIRE DISCONTINUITY.
- HORIZONTAL OPENINGS IN GRATES AND JOINTS SHALL NOT EXCEED 1/2" IN DIAMETER AND THE GRATES SHALL BE PLACED SO THE LONG DIMENSION IS PERPENDICULAR TO THE DIRECTION OF TRAVEL.

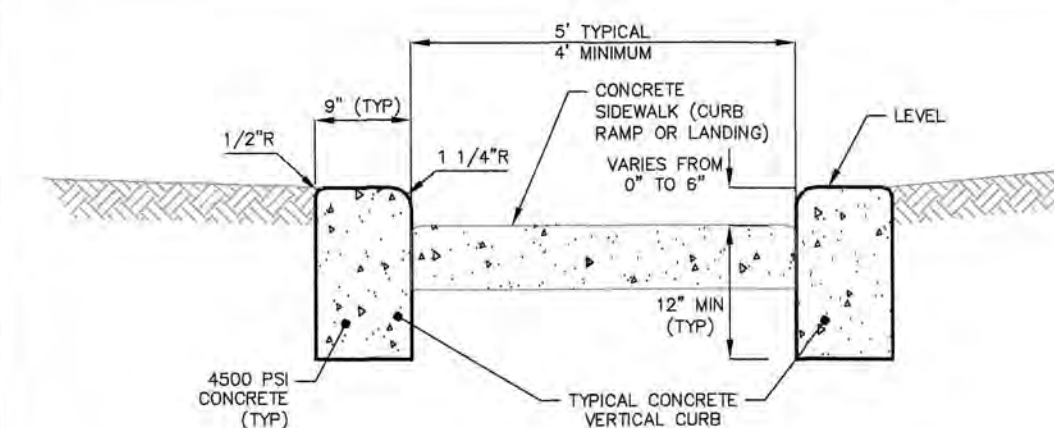
SEE STREET FURNITURE DETAIL PACKAGE FOR ADDITIONAL DETAILS



## VERTICAL GRANITE BLOCK CURB

(SITE AND MUNICIPAL CURB)

N.T.S.

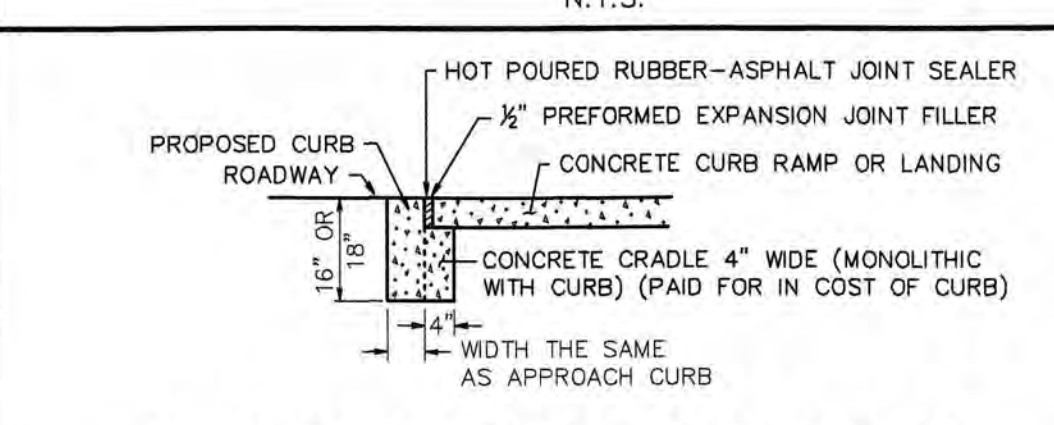


NOTE: LONGITUDINAL JOINTS, 1/2" WIDE, SHALL BE PROVIDED BETWEEN CURBS AND ABUTTING SIDEWALKS, AND SHALL BE FILLED WITH PREFORMED BITUMINOUS TYPE JOINT FILLER. THE TOP OF ALL JOINT FILLER SHALL BE 1/2" BELOW THE TOP OF THE SIDEWALK AND FILLED WITH JOINT SEALER (SIFALFLEX-1A), OR AN APPROVED EQUAL.

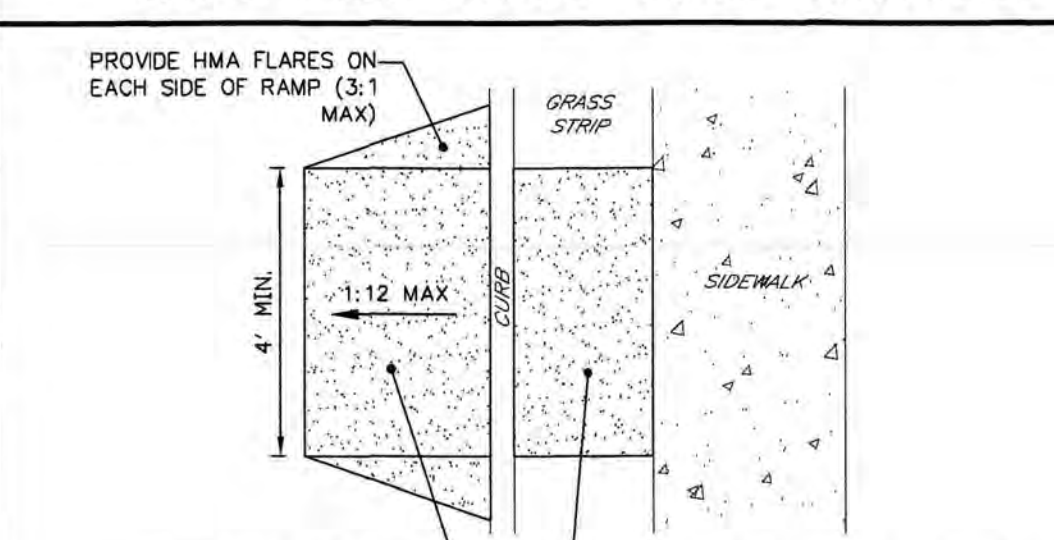
## PEDESTRIAN CURB

(ADJACENT TO CURB RAMP AND LANDINGS)

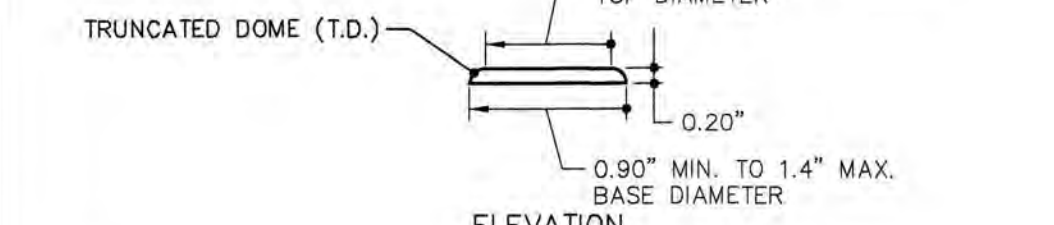
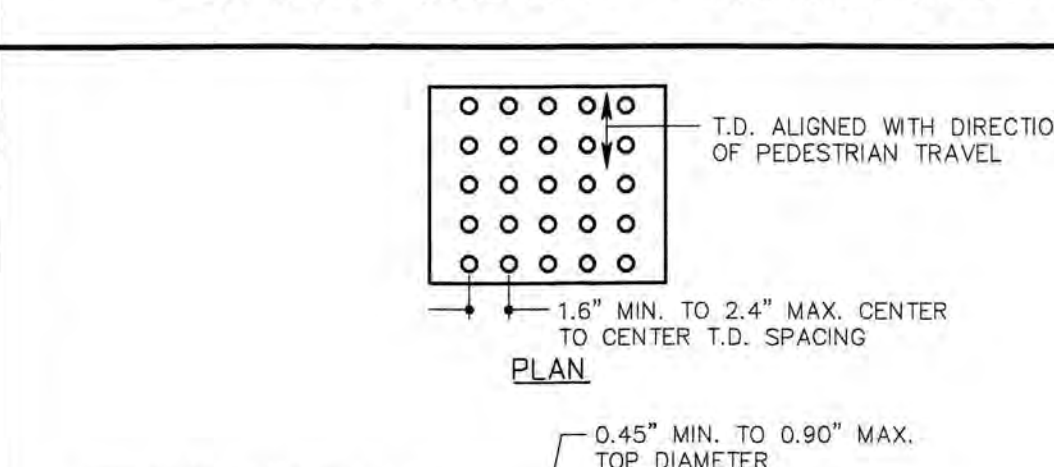
N.T.S.



## DROPPED CURB AND CRADLE

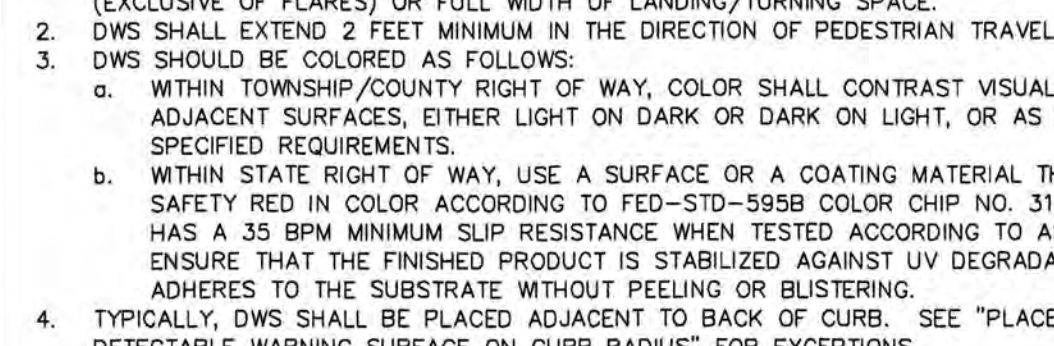


## TEMPORARY CURB RAMP - HOT MIX ASPHALT



## TEMPORARY CURB RAMP - HOT MIX ASPHALT

N.T.S.



## TEMPORARY CURB RAMP - HOT MIX ASPHALT

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N.T.S.

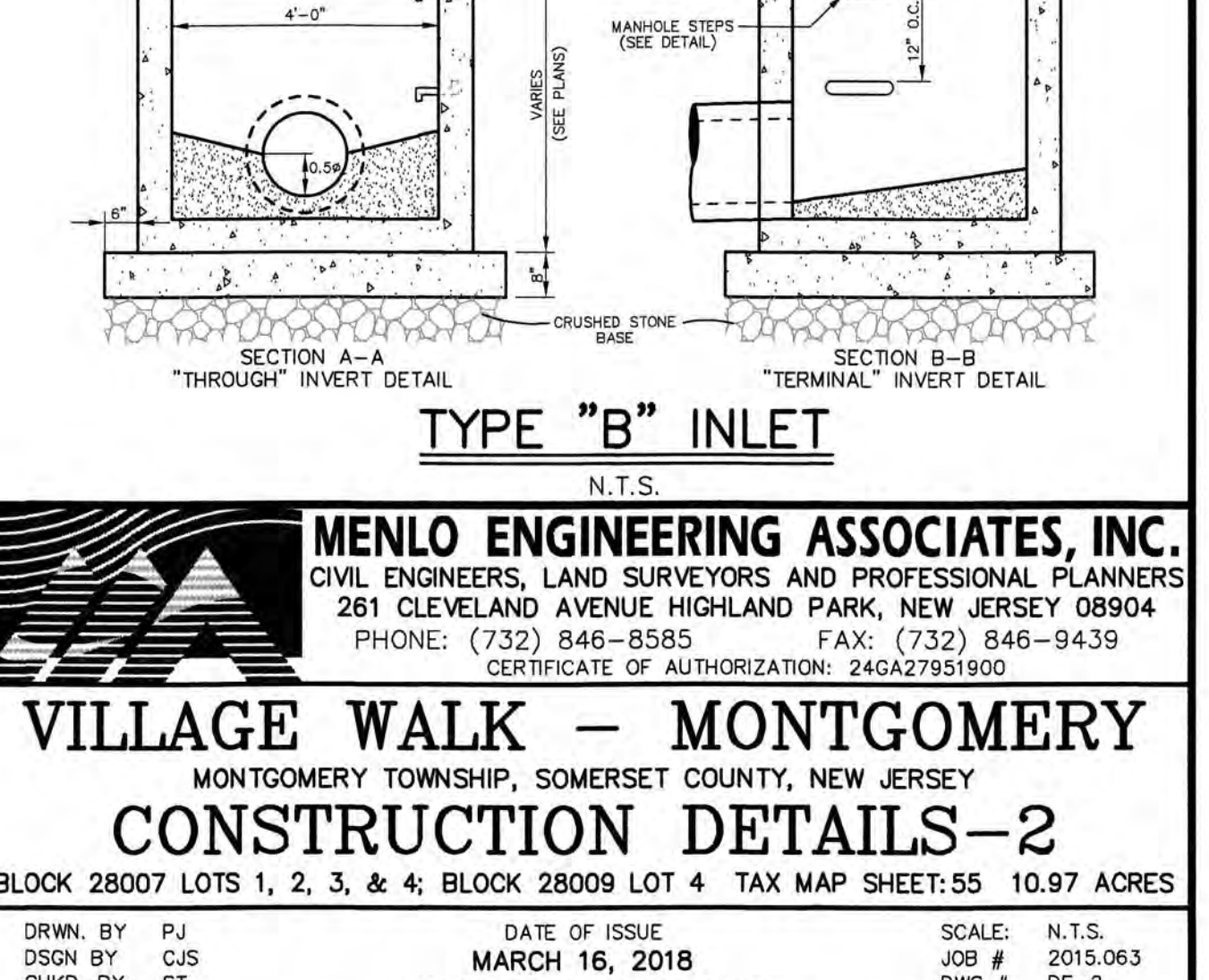
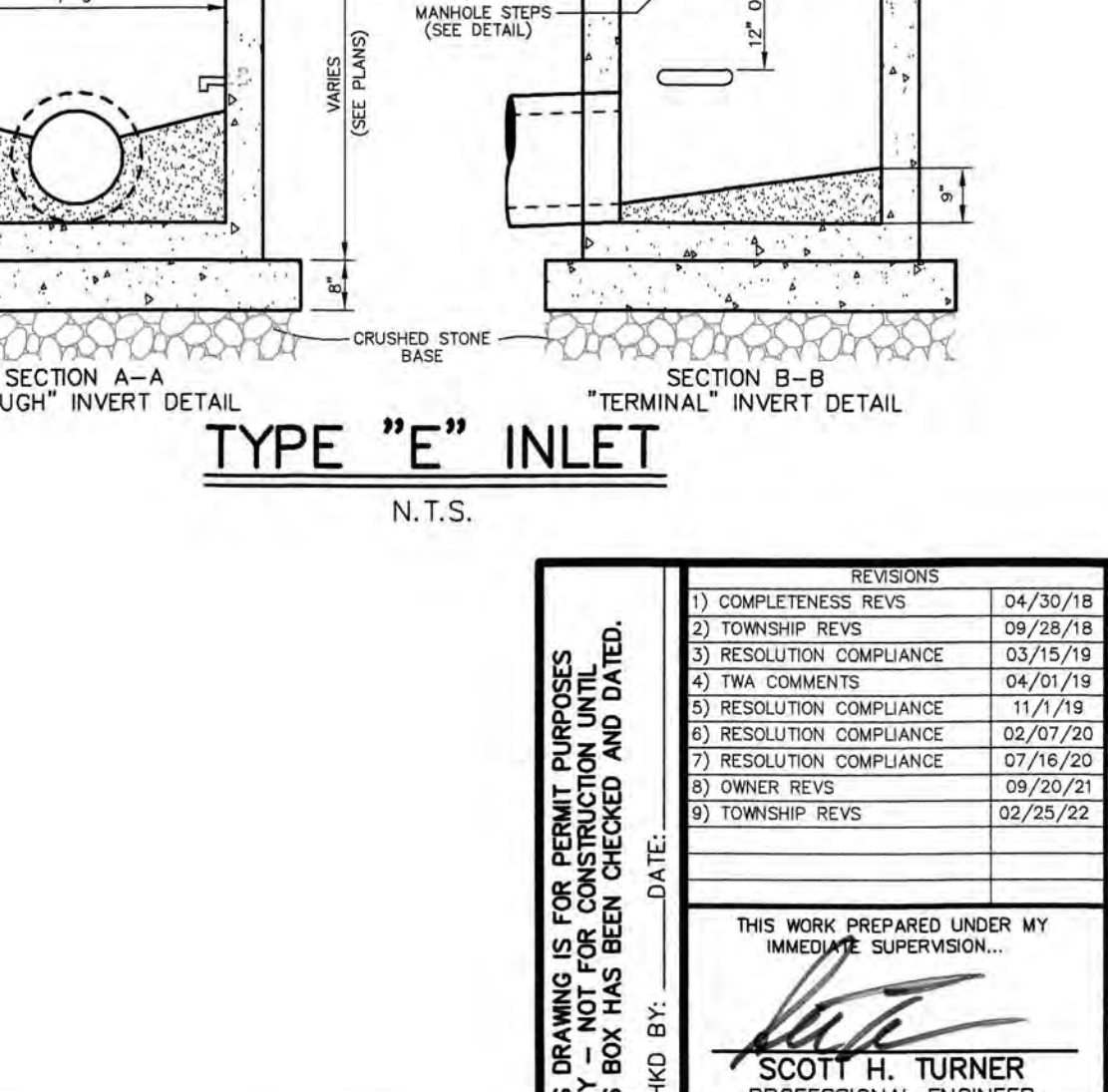
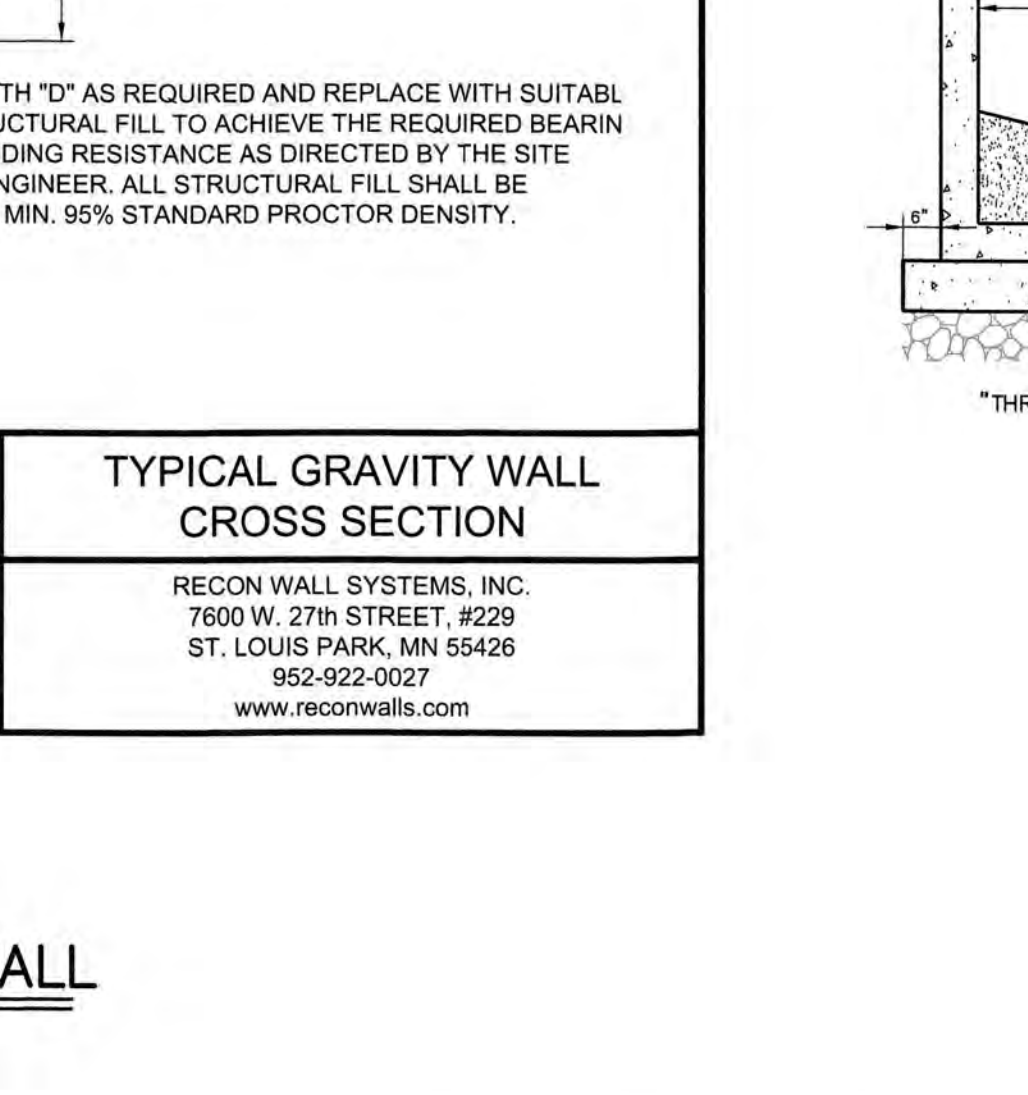
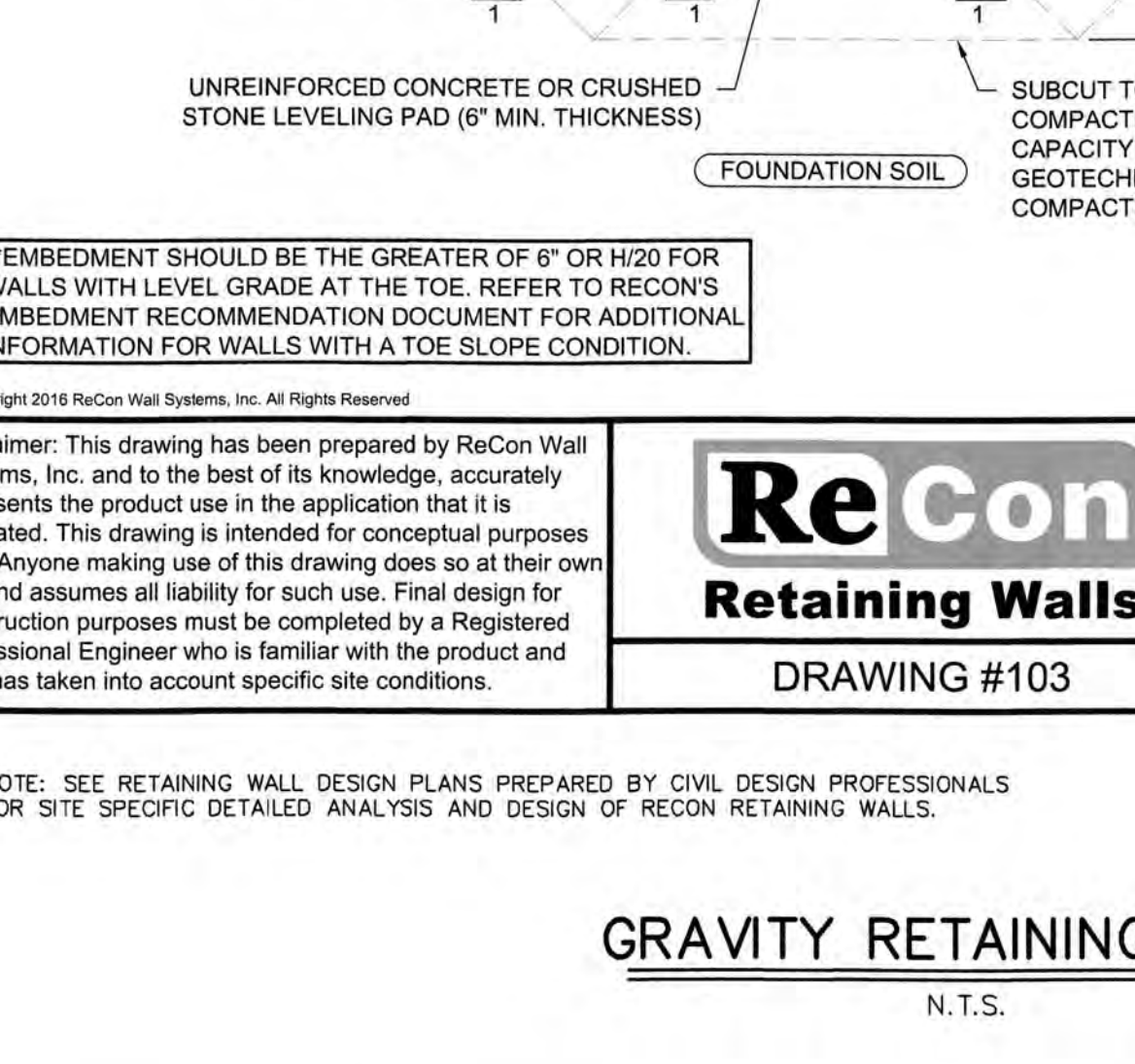
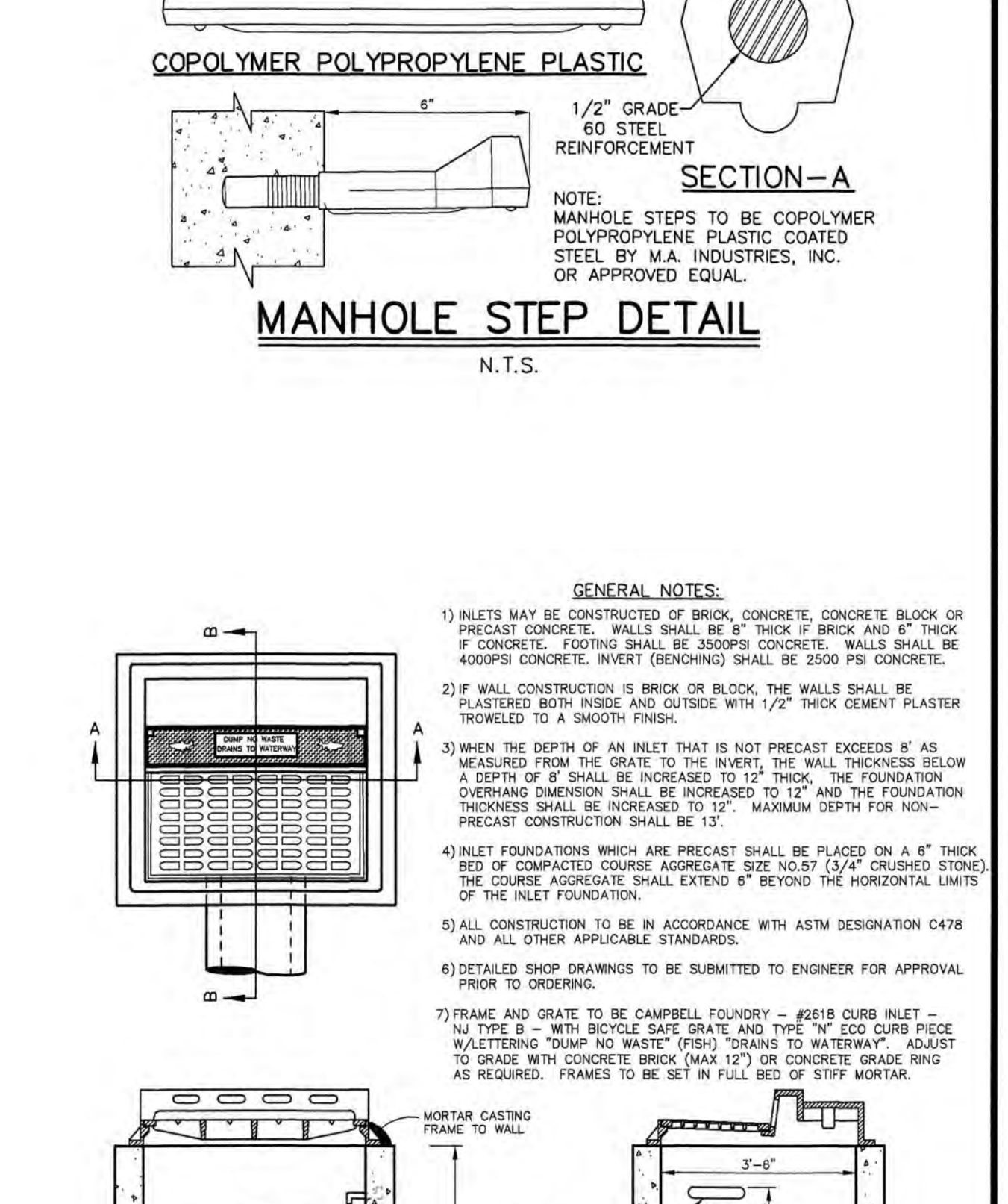
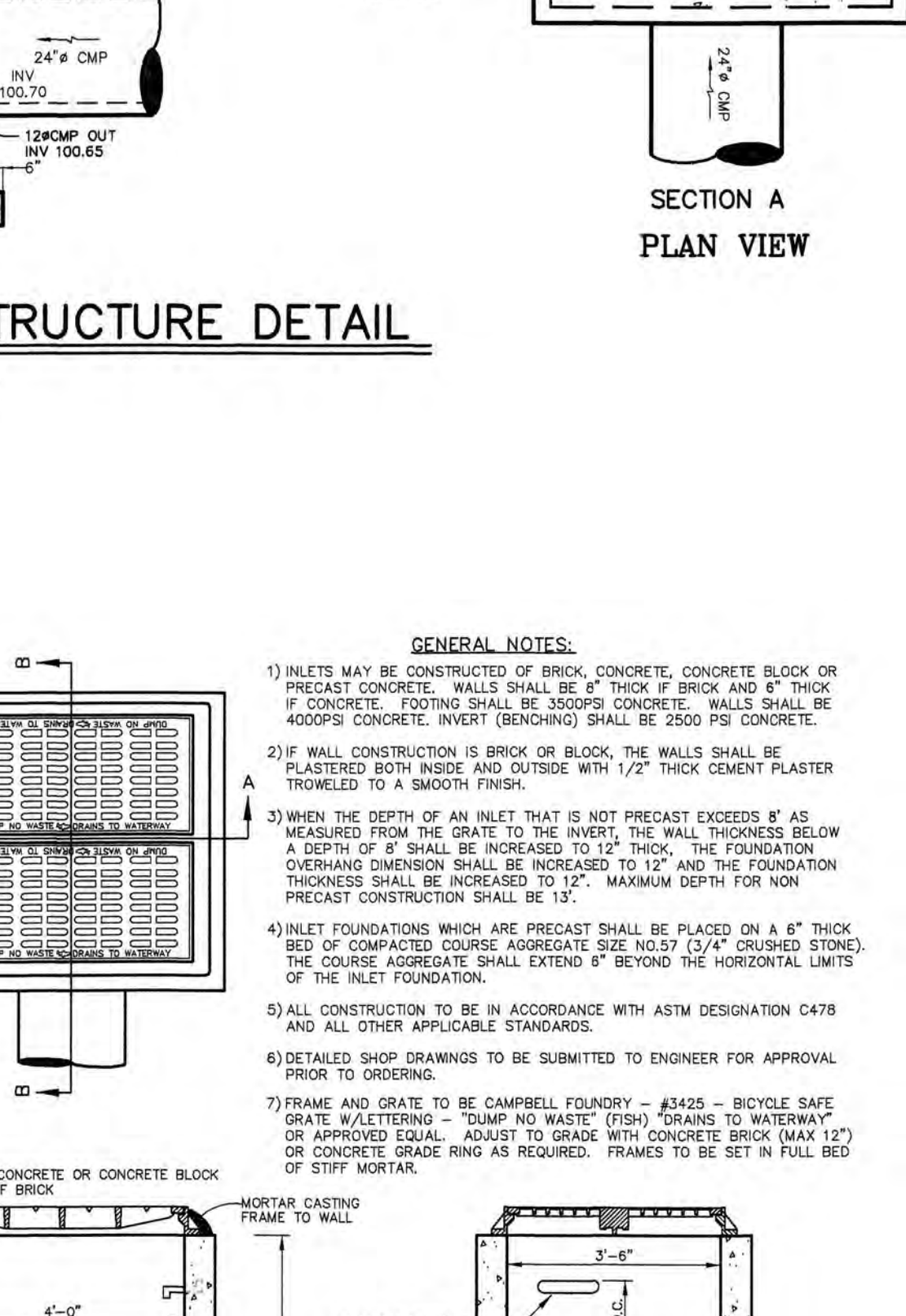
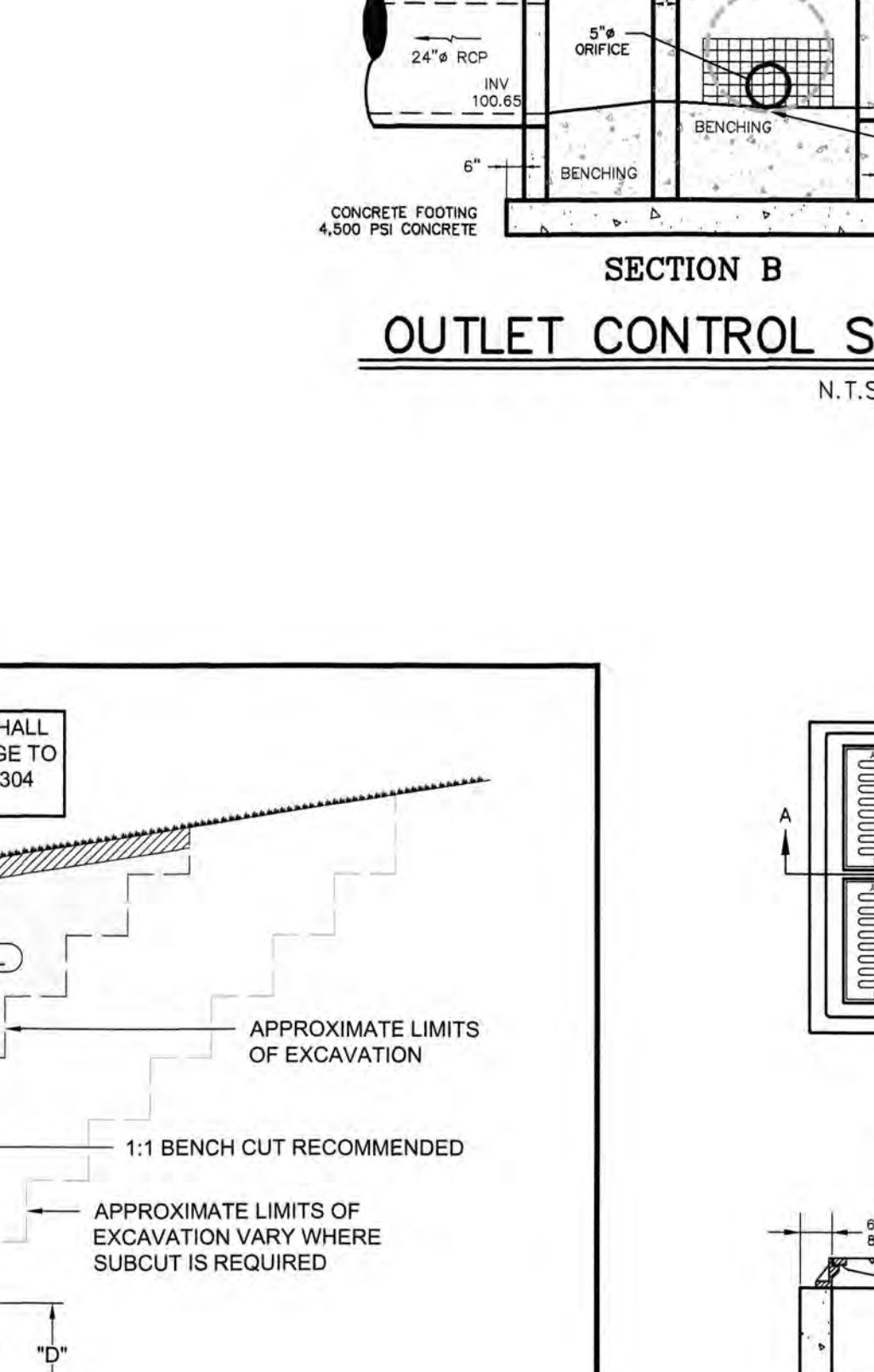
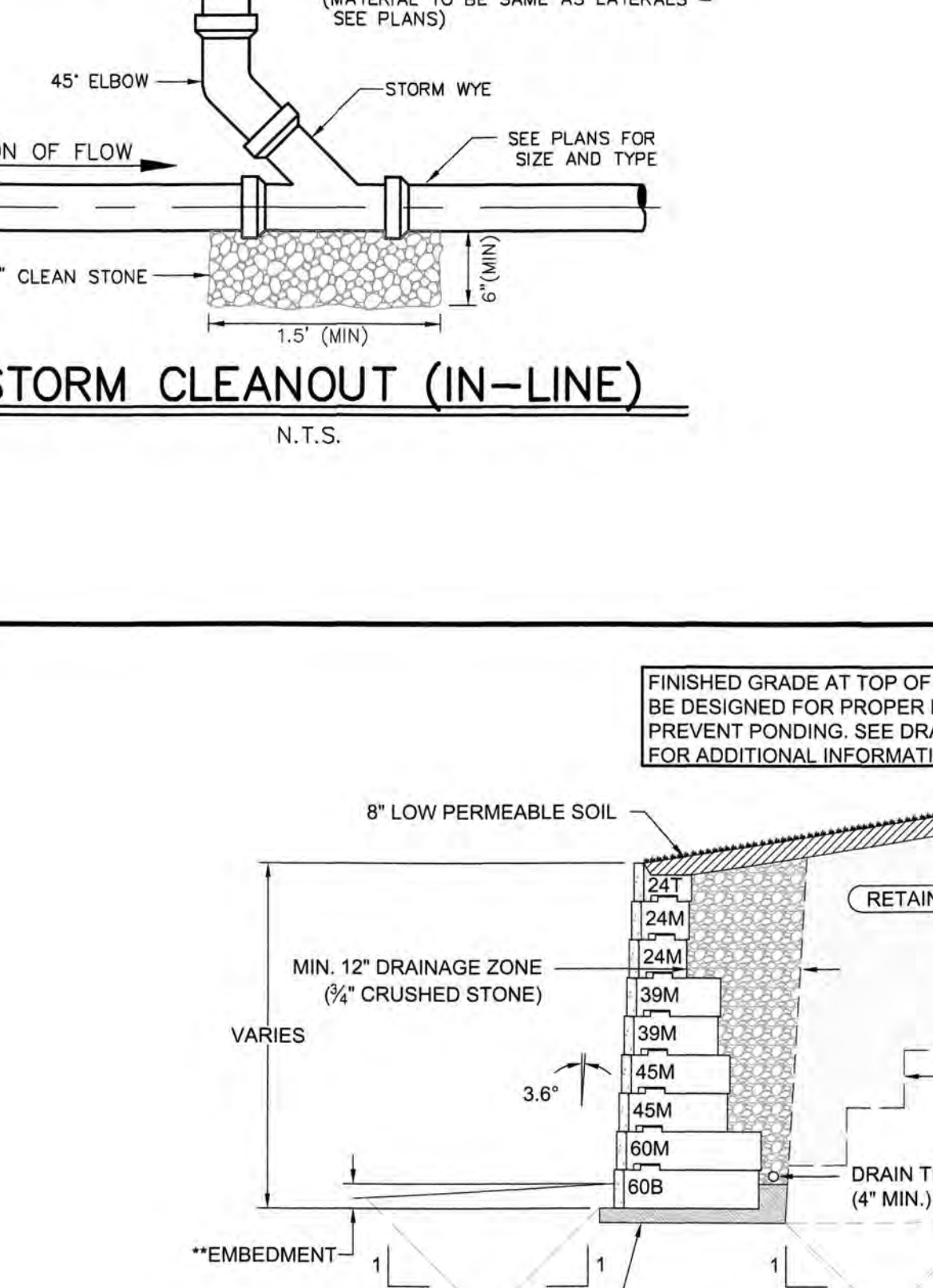
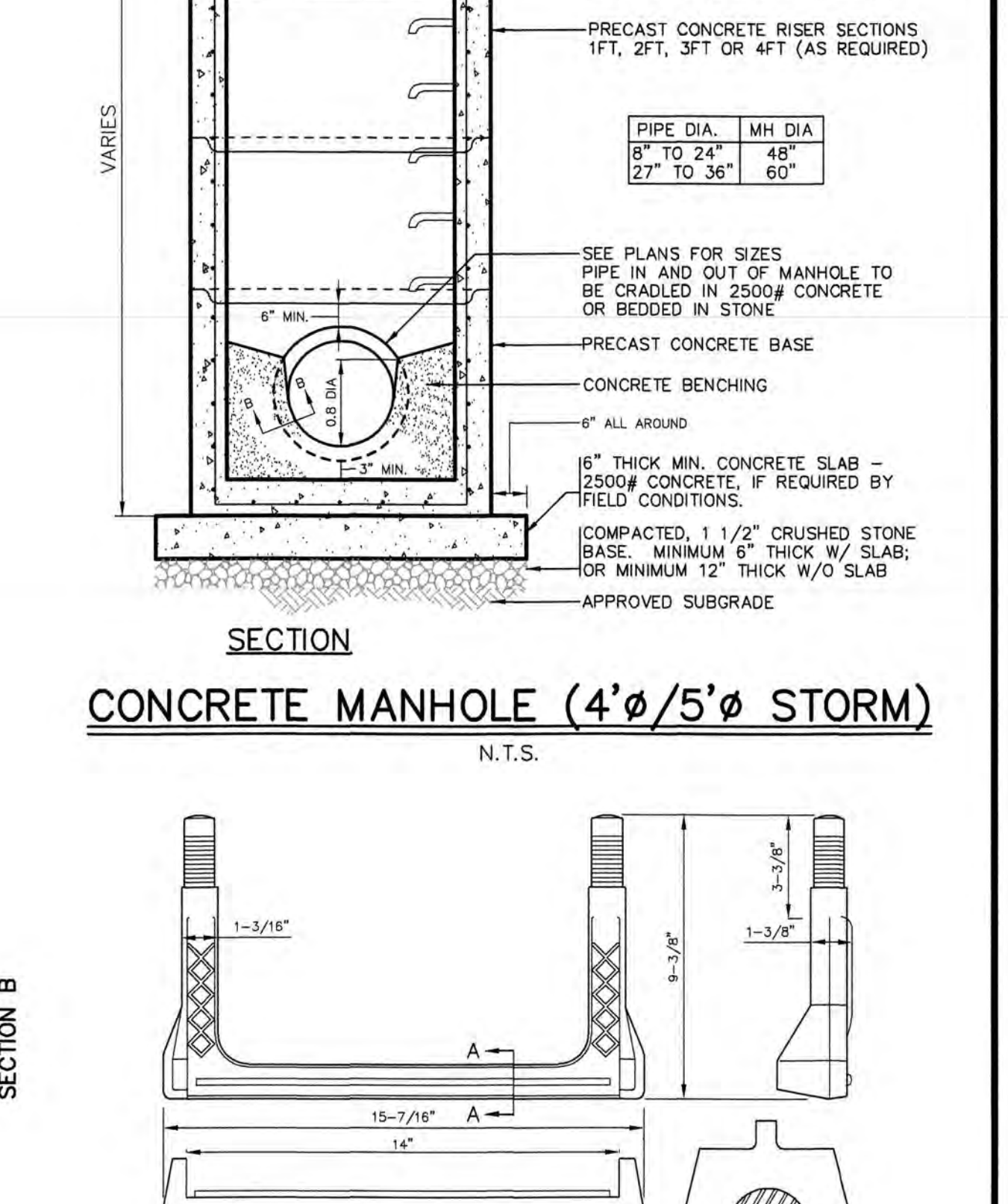
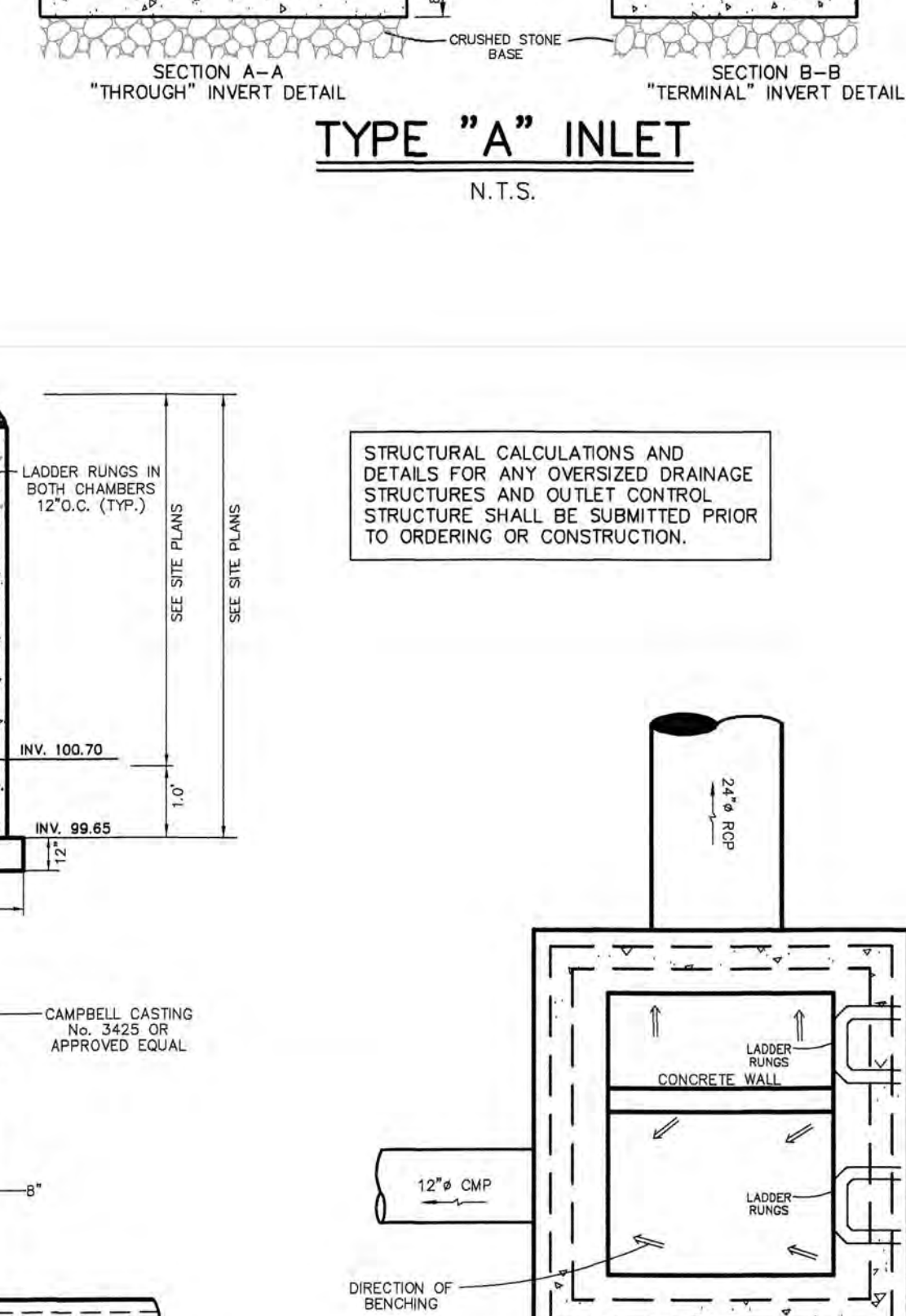
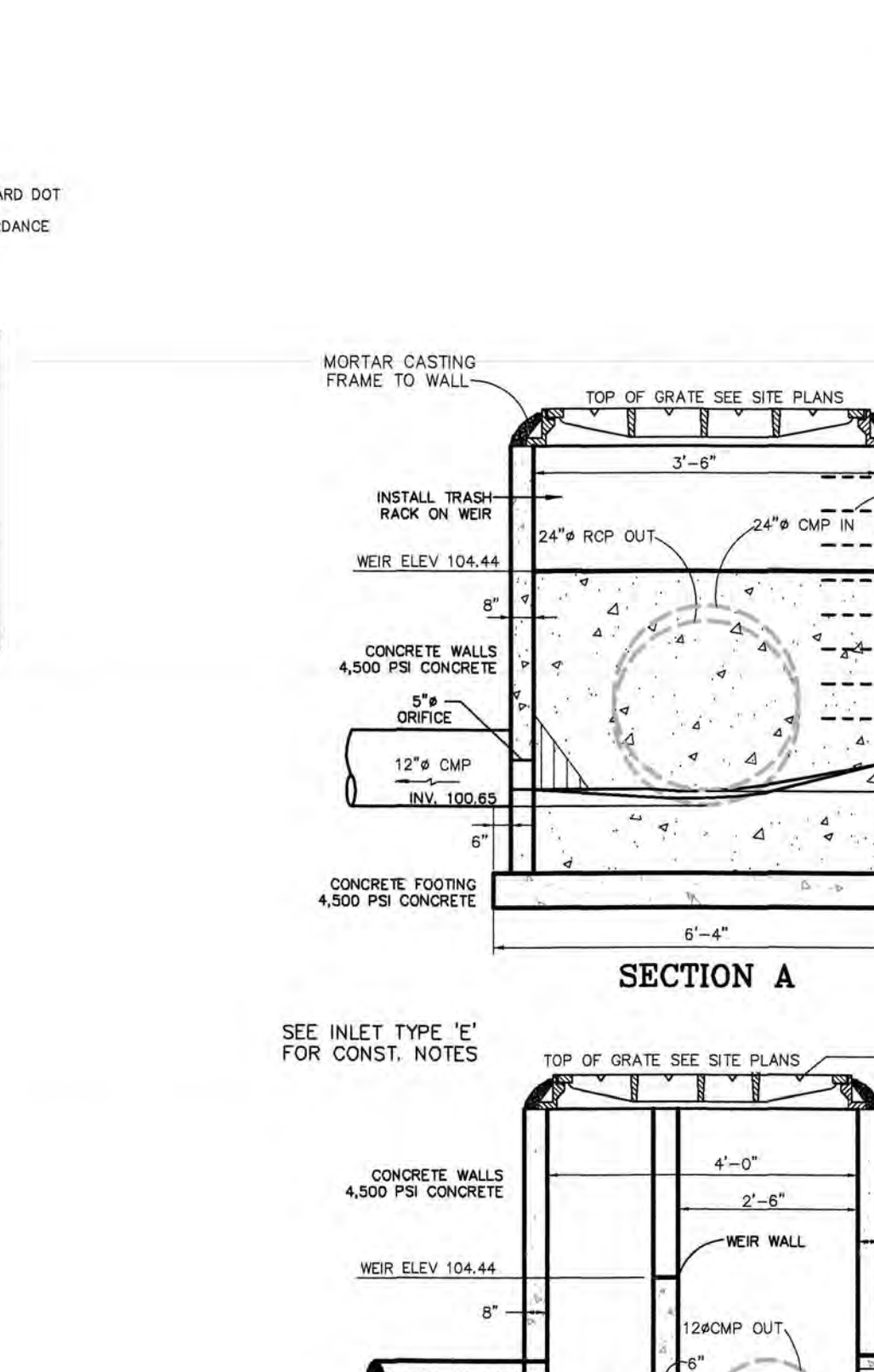
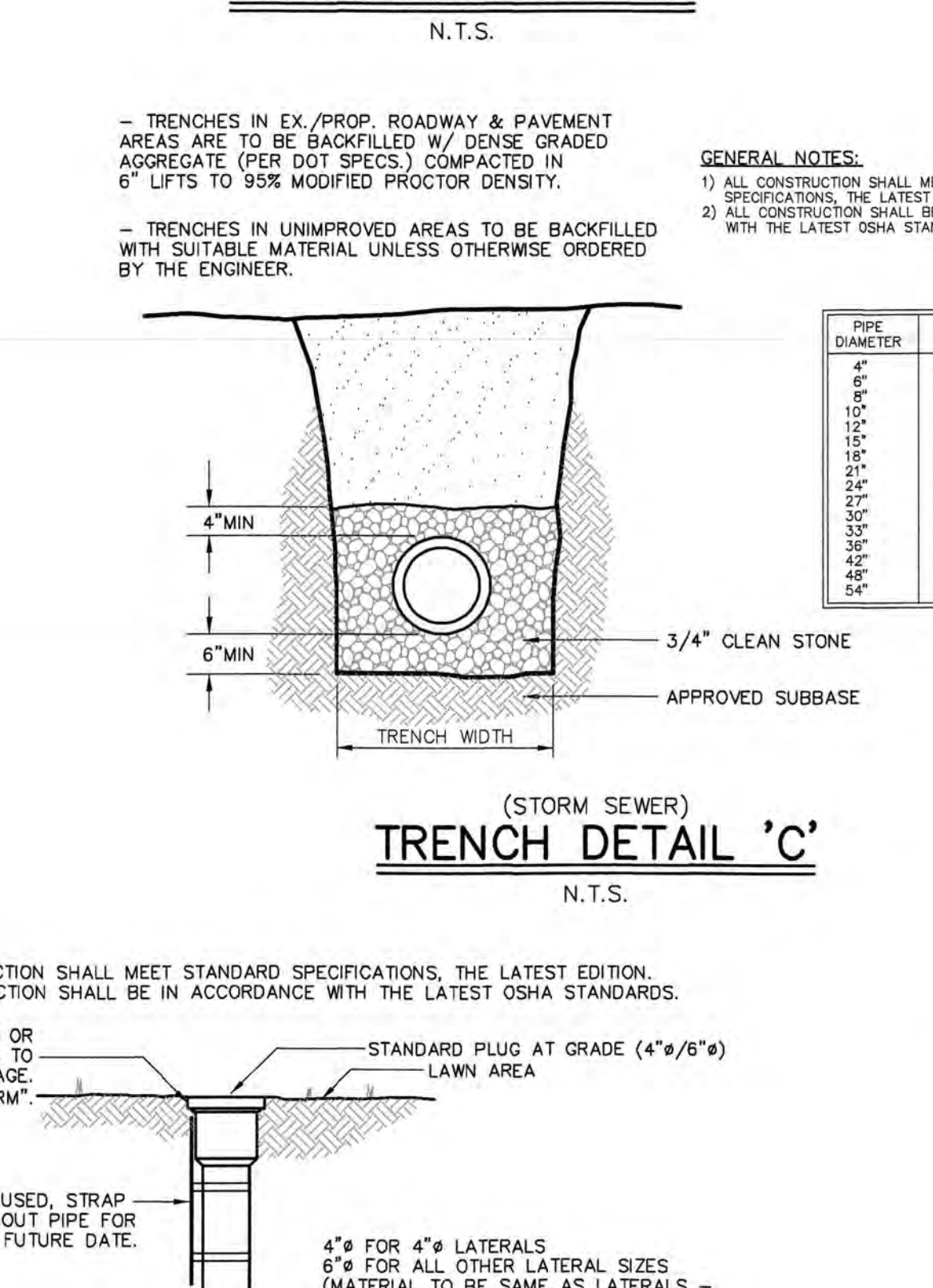
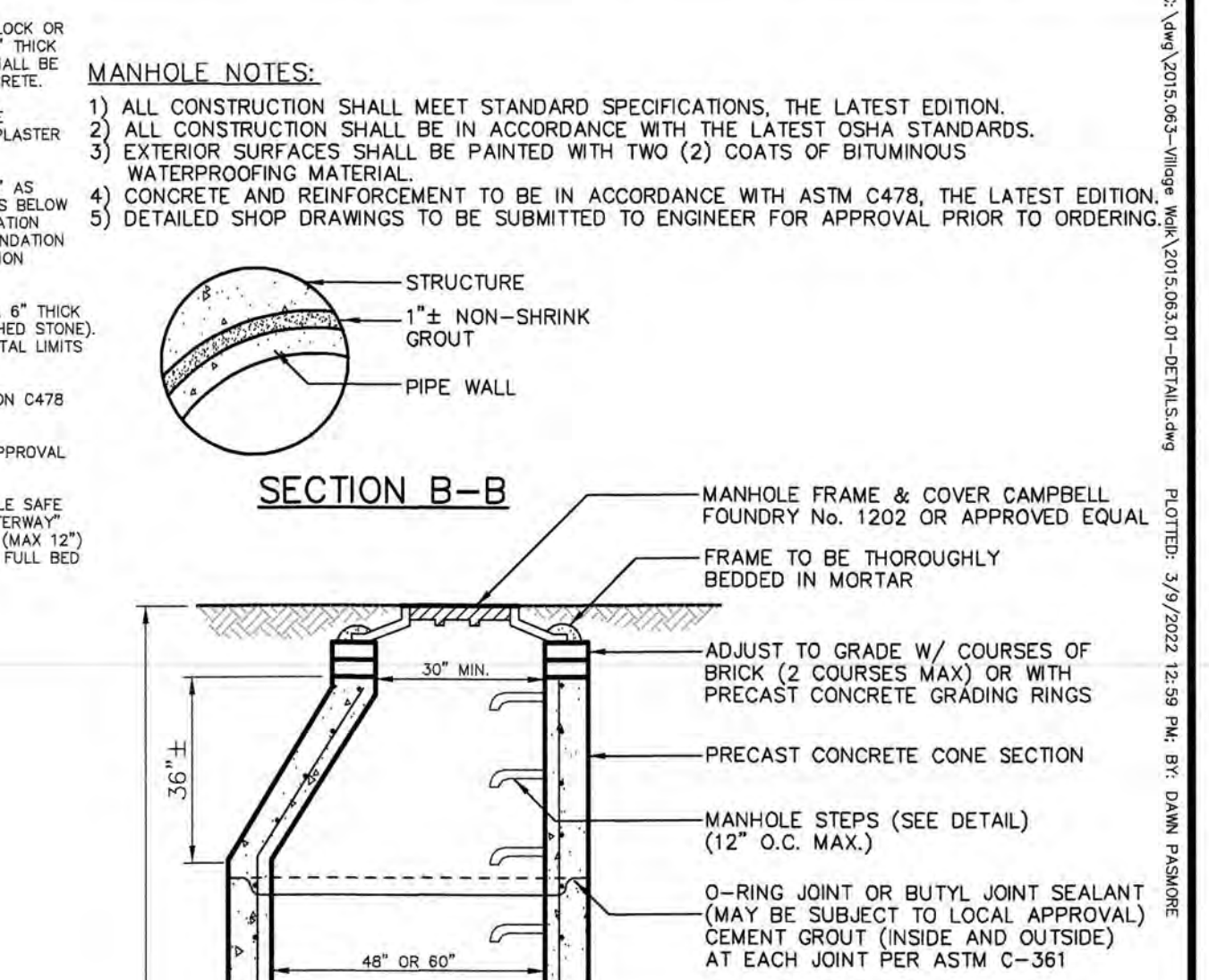
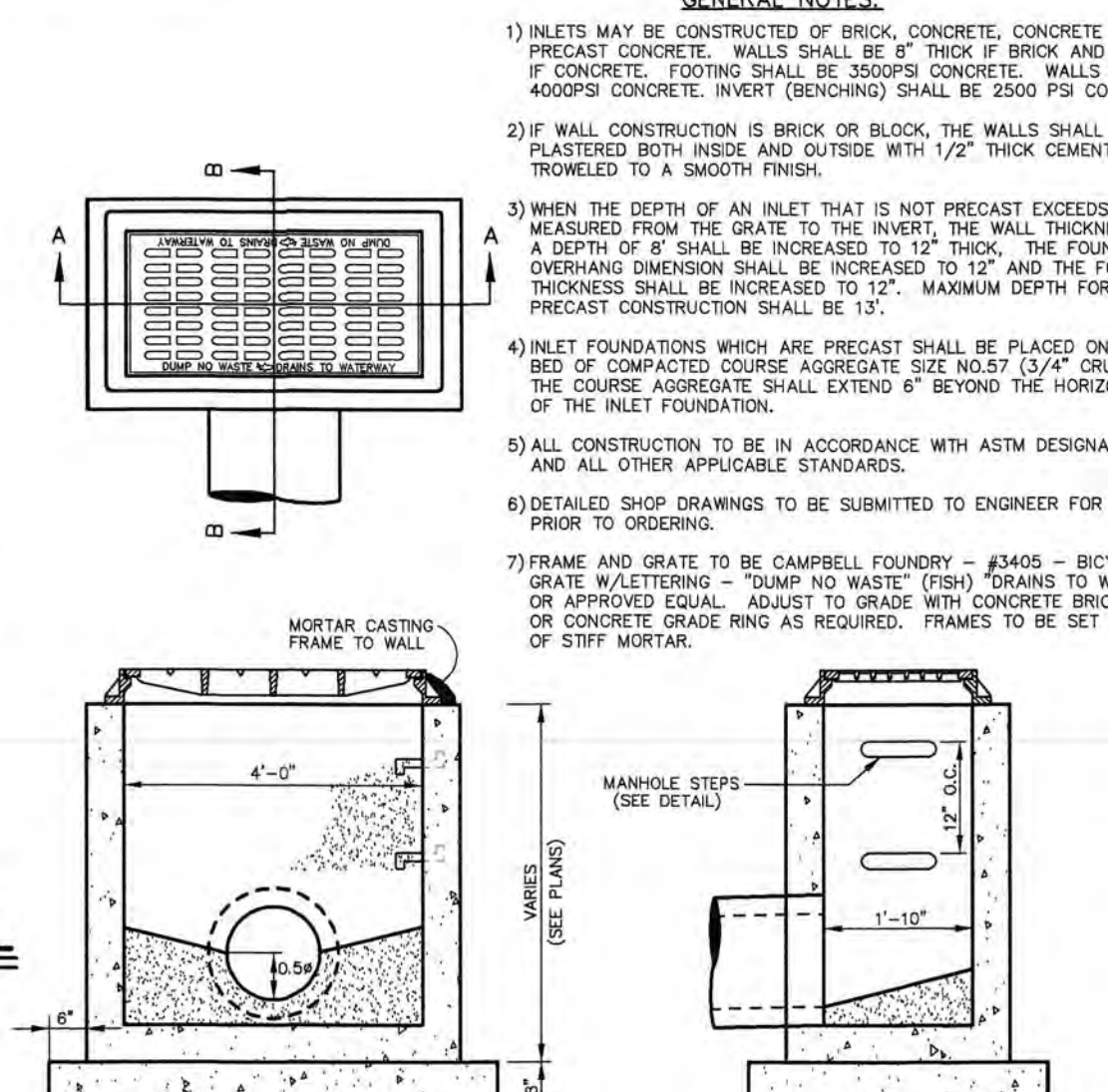
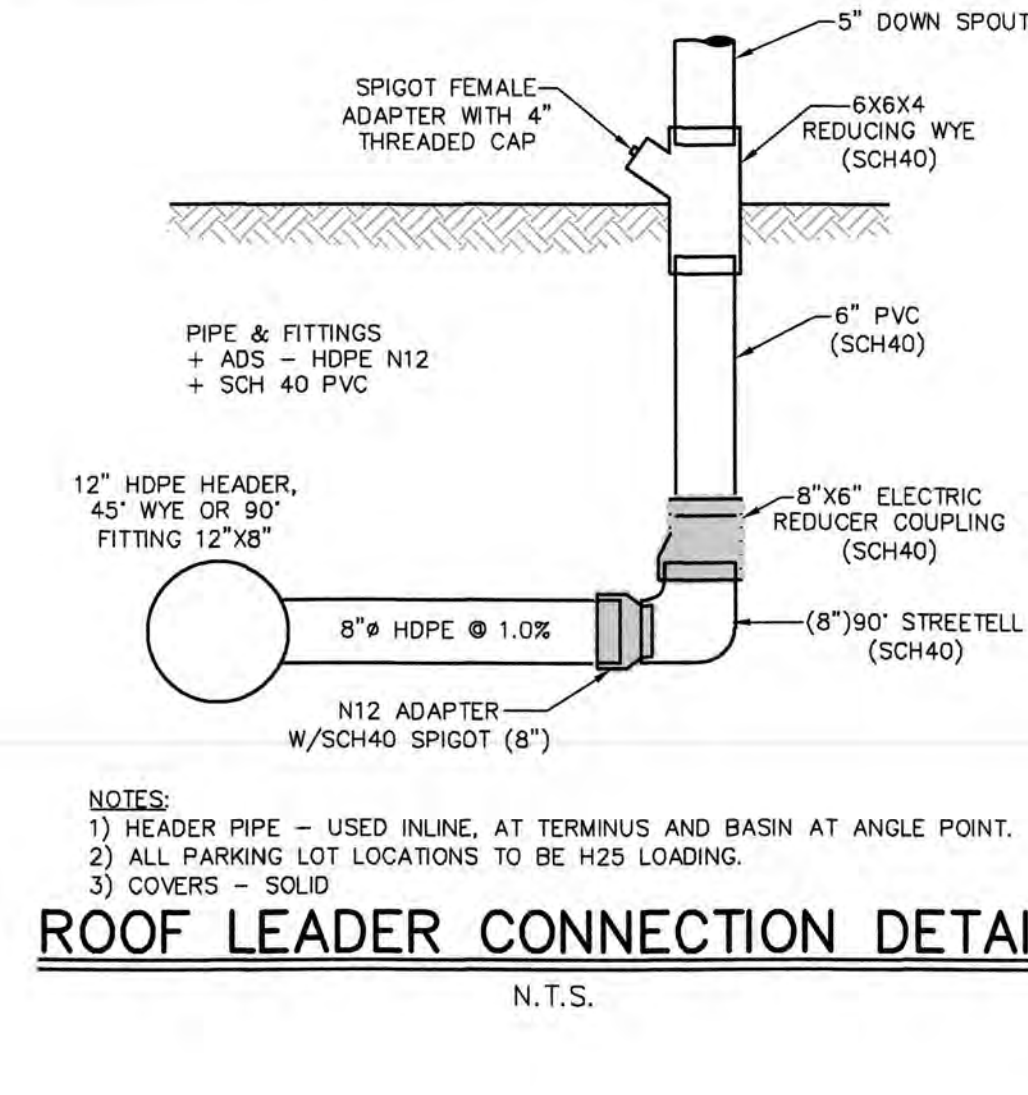
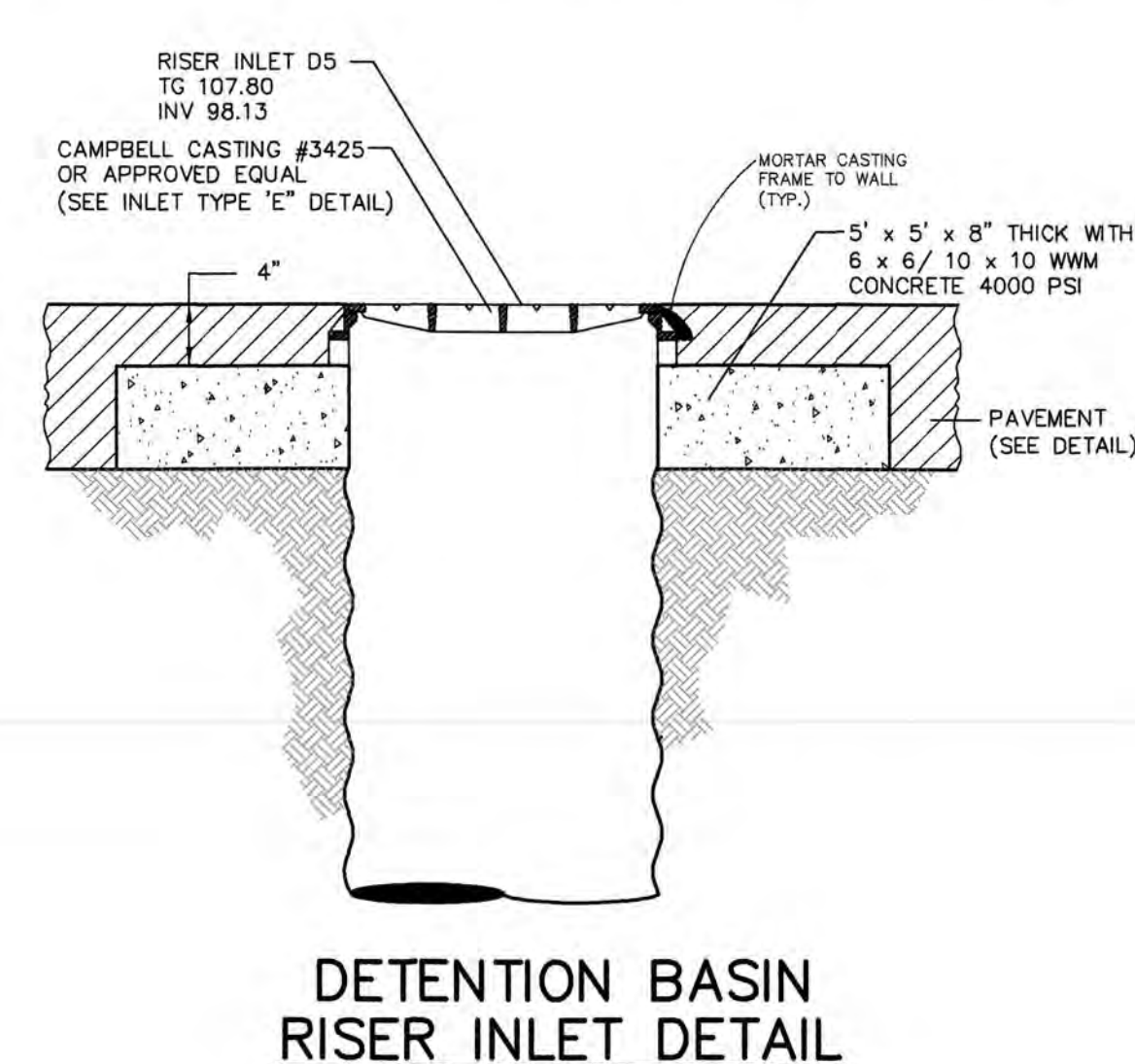
## TEMPORARY CURB RAMP - HOT MIX ASPHALT

N.T.S.

## TEMPORARY CURB RAMP - HOT MIX ASPHALT

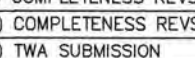
N.T.S.







| REVISIONS                |          |  |
|--------------------------|----------|--|
| 1. COMPLETENESS REVIEW   | 04/30/18 |  |
| 2. COMPLETENESS REVIEW   | 06/15/18 |  |
| 3. TWA SUBMISSION        | 07/17/18 |  |
| 4. RESOLUTION COMPLIANCE | 05/15/18 |  |
| 5. TWA COMPLETION        | 09/05/18 |  |
| 6. RESOLUTION COMPLIANCE | 11/7/19  |  |
| 7. RESOLUTION COMPLIANCE | 02/27/20 |  |
| 8. TOWNSHIP REVIEW       | 02/28/22 |  |



**MENLO ENGINEERING ASSOCIATES, INC.**  
 CIVIL ENGINEERING, LAND SURVEYORS AND PROFESSIONAL PLANNERS  
 281 CLEVELAND AVENUE HIGHLAND PARK, NEW JERSEY 08904  
 PHONE: (732) 846-8555 FAX: (732) 846-9439  
 CERTIFICATE OF AUTHORIZATION: 246A2755100

## VILLAGE WALK – MONTGOMERY

MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY

# CONSTRUCTION DETAILS-3

BLOCK 2800 LOTS 1, 2, 3, & 4; BLOCK 2800 LOT 4 TAX MAP SHEET: 55 10.97 ACRES

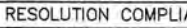
| DRWN. BY  | PJ  | DATE OF ISSUE            | SCALE:  | N.T.S.   |
|-----------|-----|--------------------------|---------|----------|
| DSGN BY   | CJS | MARCH 16, 2018           | DWG #   | 2018.063 |
| CHKD. BY  | ST  | REV 08 FEBRUARY 25, 2022 | JOB #   | DE-3     |
| APPRD. BY | ST  |                          | SHEET # | 58       |

THIS DRAWING IS FOR PERMIT PURPOSES  
 THIS BOX HAS BEEN CHECKED AND DATED.

CHCKD BY \_\_\_\_\_ DATE \_\_\_\_\_

**SCOTT H. TURNER**  
 PROFESSIONAL ENGINEER  
 NJ#E-4381

THIS WORK PREPARED UNDER MY  
 IMMEDIATE SUPERVISION...









SCALE: N.T.S.  
JOB # 2015.063  
DWG # DE-5  
SHEET # 28





## LED Wattage and Lumen Values - 3000K

| LED Wattage and Lumen Value 4000K |                 |           |             |                |                |                |             |                |                |                |             |                |    |
|-----------------------------------|-----------------|-----------|-------------|----------------|----------------|----------------|-------------|----------------|----------------|----------------|-------------|----------------|----|
| Ordering Code                     | Total LED Count | LED Color | Type 1      |                |                |                | Type 2      |                |                |                | Type 4      |                |    |
|                                   |                 |           | Wattage (W) | Beam Angle (°) | LM70 LM80 (lm) | LM70 LM80 (lm) | Wattage (W) | Beam Angle (°) | LM70 LM80 (lm) | LM70 LM80 (lm) | Wattage (W) | Beam Angle (°) |    |
| PS-140-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1376           | 4000           | 30          | 8000           | 30             | 8000           | 30          | 8000           | 30 |
| PS-150-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-160-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-170-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-180-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-190-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-200-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-210-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-220-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-230-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-240-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-250-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-260-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-270-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-280-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-290-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-300-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-310-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-320-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-330-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-340-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-350-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-360-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-370-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-380-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |
| PS-390-40W-8W-2C                  | 48              | 4000      | 8000        | 30             | 1035           | 4000           | 30          | 1035           | 4000           | 30             | 1035        | 4000           | 30 |

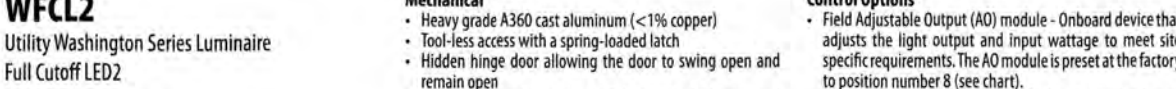
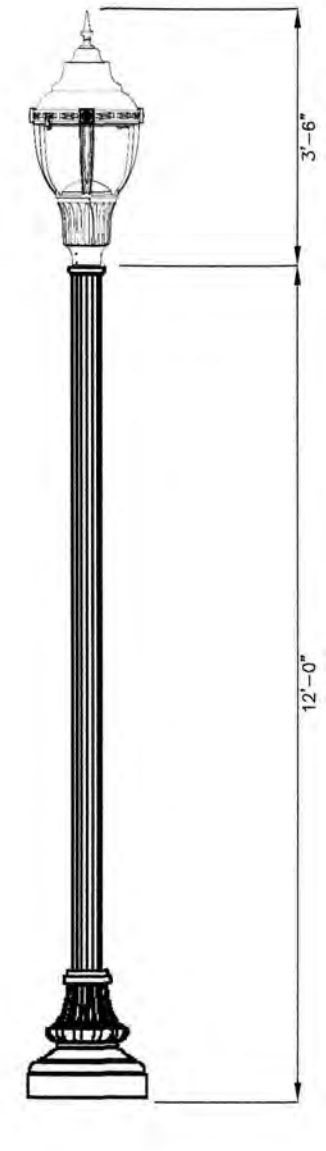
#### Predicted Lumen Depreciation Data

Optical Distributions

Dimensions

## Housing

N.T.S.



**ORDERING INFORMATION** **Example:** WFCL2 P20 30K A5 GN L2 N P7

#### OPTIONS MATRIX

|         |         |         |         |          |          |          |          |
|---------|---------|---------|---------|----------|----------|----------|----------|
|         | 254 hrs | 508 hrs | 762 hrs | 1016 hrs | 1270 hrs | 1524 hrs | 1778 hrs |
| 233,840 | 0.97    | 0.96    | 0.95    | 0.94     | 0.93     | 0.91     | 0.90     |

| PERFORMANCE DATA |       |              |       |              |       |              |       |              |       |
|------------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|
| Test Results     |       | Test Results |       | Test Results |       | Test Results |       | Test Results |       |
| Test Name        | Score | Test Name    | Score | Test Name    | Score | Test Name    | Score | Test Name    | Score |
| Test 1           | 85    | Test 2       | 78    | Test 3       | 92    | Test 4       | 65    | Test 5       | 88    |
| Test 6           | 72    | Test 7       | 81    | Test 8       | 75    | Test 9       | 89    | Test 10      | 77    |
| Test 11          | 83    | Test 12      | 79    | Test 13      | 86    | Test 14      | 74    | Test 15      | 80    |
| Test 16          | 76    | Test 17      | 82    | Test 18      | 73    | Test 19      | 87    | Test 20      | 71    |
| Test 21          | 84    | Test 22      | 77    | Test 23      | 90    | Test 24      | 68    | Test 25      | 86    |
| Test 26          | 70    | Test 27      | 80    | Test 28      | 76    | Test 29      | 85    | Test 30      | 72    |
| Test 31          | 87    | Test 32      | 74    | Test 33      | 83    | Test 34      | 69    | Test 35      | 81    |
| Test 36          | 75    | Test 37      | 84    | Test 38      | 71    | Test 39      | 88    | Test 40      | 73    |
| Test 41          | 82    | Test 42      | 78    | Test 43      | 89    | Test 44      | 67    | Test 45      | 85    |
| Test 46          | 79    | Test 47      | 86    | Test 48      | 72    | Test 49      | 83    | Test 50      | 70    |
| Test 51          | 88    | Test 52      | 75    | Test 53      | 91    | Test 54      | 66    | Test 55      | 87    |
| Test 56          | 73    | Test 57      | 80    | Test 58      | 77    | Test 59      | 84    | Test 60      | 71    |
| Test 61          | 86    | Test 62      | 76    | Test 63      | 93    | Test 64      | 64    | Test 65      | 89    |
| Test 66          | 74    | Test 67      | 81    | Test 68      | 78    | Test 69      | 85    | Test 70      | 72    |
| Test 71          | 83    | Test 72      | 79    | Test 73      | 90    | Test 74      | 67    | Test 75      | 86    |
| Test 76          | 70    | Test 77      | 82    | Test 78      | 75    | Test 79      | 88    | Test 80      | 73    |
| Test 81          | 87    | Test 82      | 74    | Test 83      | 92    | Test 84      | 65    | Test 85      | 89    |
| Test 86          | 76    | Test 87      | 80    | Test 88      | 77    | Test 89      | 84    | Test 90      | 71    |
| Test 91          | 85    | Test 92      | 78    | Test 93      | 91    | Test 94      | 68    | Test 95      | 87    |
| Test 96          | 72    | Test 97      | 81    | Test 98      | 76    | Test 99      | 83    | Test 100     | 70    |

| TPDex<br>Semi-con | P40-278 |     |     |     | P40-308 |     |     |     | P40-40X |     |     |     | P40-508 |     |     |     |
|-------------------|---------|-----|-----|-----|---------|-----|-----|-----|---------|-----|-----|-----|---------|-----|-----|-----|
|                   | PCN     | TCN | SCA | SCC | PCN     | TCN | SCA | SCC | PCN     | TCN | SCA | SCC | PCN     | TCN | SCA | SCC |
|                   |         |     |     |     |         |     |     |     |         |     |     |     |         |     |     |     |

Pole: made from a one-piece, 4" square (102 mm) tube of hi-

## N.T.



THIS DRAWING IS FOR PERMIT PURPOSES ONLY - NOT FOR CONSTRUCTION UNTIL THE CITY OF CHICAGO HAS REVIEWED THIS BOX HAS BEEN CHECKED AND UNDED.

CHICAGO BY: \_\_\_\_\_ DATE: \_\_\_\_\_

| REVISIONS                |          |
|--------------------------|----------|
| 1. COMPLETENESS REVS     | 04/20/04 |
| 2. COMPLETENESS REVS     | 06/15/04 |
| 3. TOWNSHIP REVS         | 09/28/04 |
| 4. RESOLUTION COMPLIANCE | 03/15/05 |
| 5. TWO COMMENTS          | 04/07/05 |
| 6. RESOLUTION COMPLIANCE | 11/17/05 |
| 7. OWNER REVS            | 09/20/06 |
| 8. TOWNSHIP REVS         | 02/25/07 |

THIS WORK WAS PREPARED UNDER M' S. J. KENNEDY'S SUPERVISION

*(Signature)*

**KENNETH R. GRISEWOLD**  
 LANDSCAPE ARCHITECT  
 N.U. LICENSE #AS000071

18  
18  
18  
18  
9  
9  
11  
12

  
**VILLAGE**  
MONTGOMERIE  
**CONSTRUCTION**  
BLOCK 28007 LOTS 1, 2

DRWN. BY CJS  
DSGN BY PUJ  
CHKD. BY KRG  
APPRD. BY KRG

**MENLO ENGINEERING ASSOCIATES, INC.**  
CIVIL ENGINEERS, LAND SURVEYORS AND PROFESSIONAL PLANNERS  
261 CLEVELAND AVENUE HIGHLAND PARK, NEW JERSEY 08904  
PHONE: (732) 846-8585 FAX: (732) 846-9439  
CERTIFICATE OF AUTHORIZATION: 246A27951900

**WALK - MONTGOMERY**  
TOWNSHIP, SOMERSET COUNTY, NEW JERSEY

**STRUCTION DETAILS-5**  
3, & 4; BLOCK 28009 LOT 4 TAX MAP SHEET:55 10.97 ACRES

DATE OF ISSUE: MARCH 16, 2018  
REV B) FEBRUARY 25, 2022

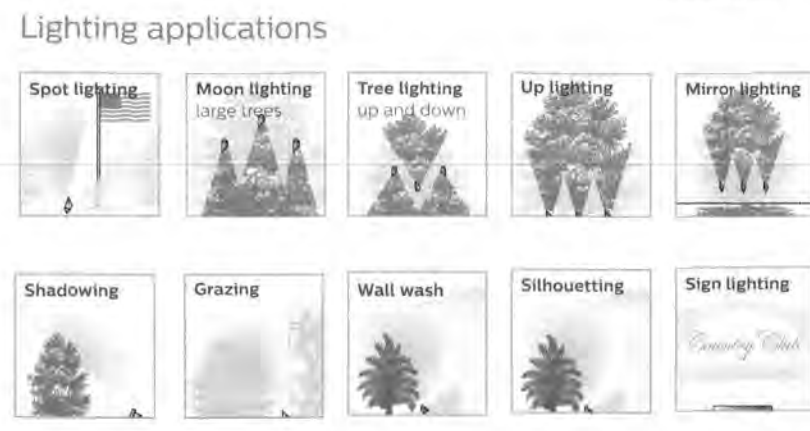
SCALE: N.T.S.  
JOB # 2015.063  
DWG. # DC-16  
SHEET # 29



# Accent

B9 Line-voltage

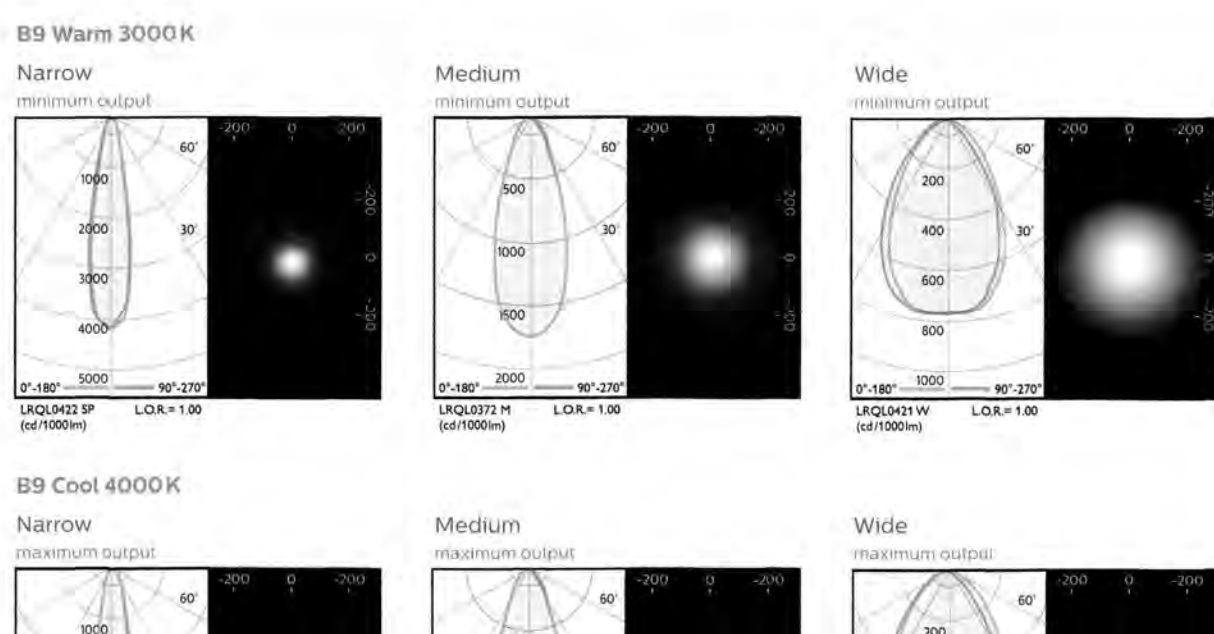
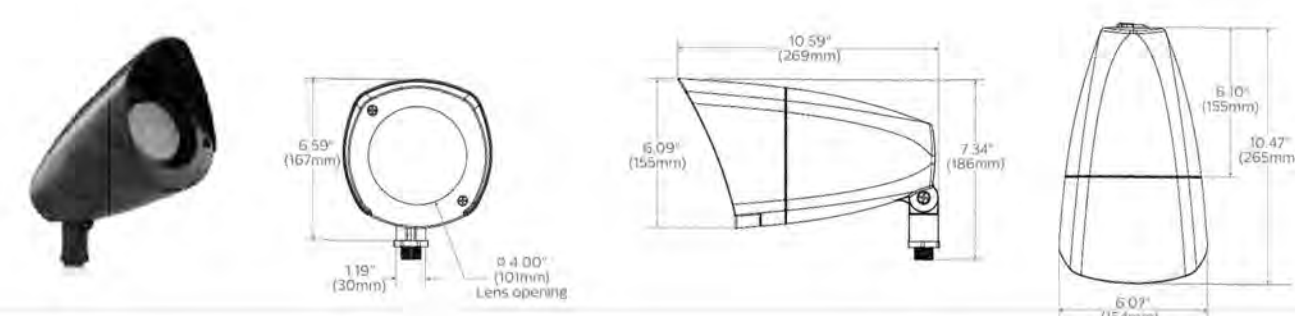
The LED Accent version brings landscape lighting to the next level. Designed for optimal LED performance, it provides the lighting professional with countless line-voltage options.



## FlexScope LED line-voltage

Ordering guide

| Series | Finish | CCT | Finish | Surge suppressor |
|--------|--------|-----|--------|------------------|
| B9     | D      | D   | A      | SP1              |
| B9     | D      | D   | A      | SP1              |



# Inground

SL43 Line-voltage

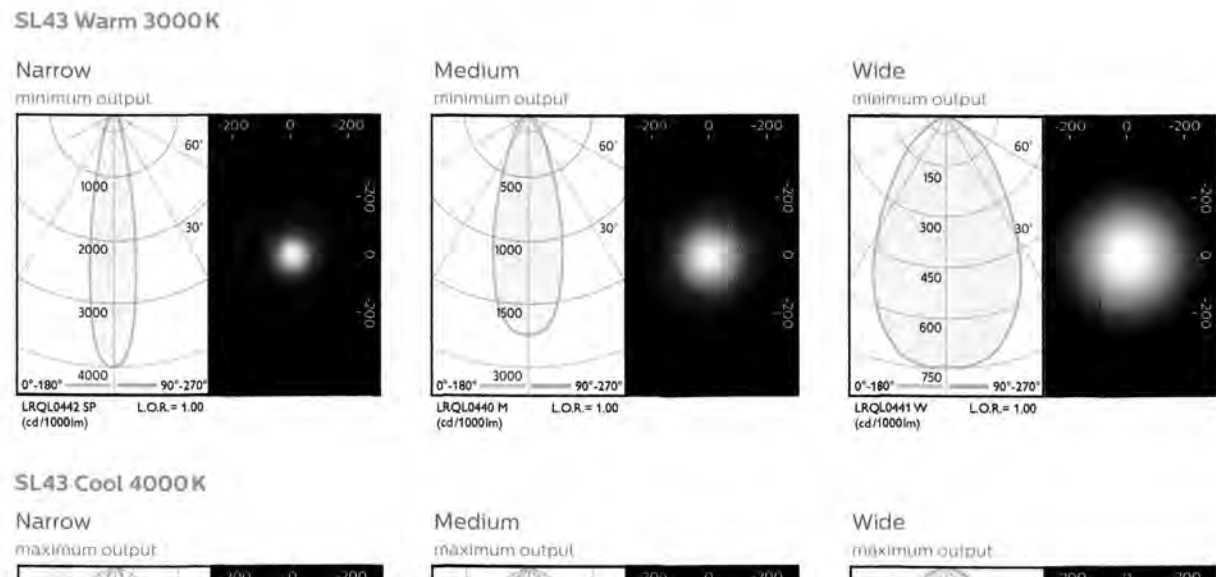
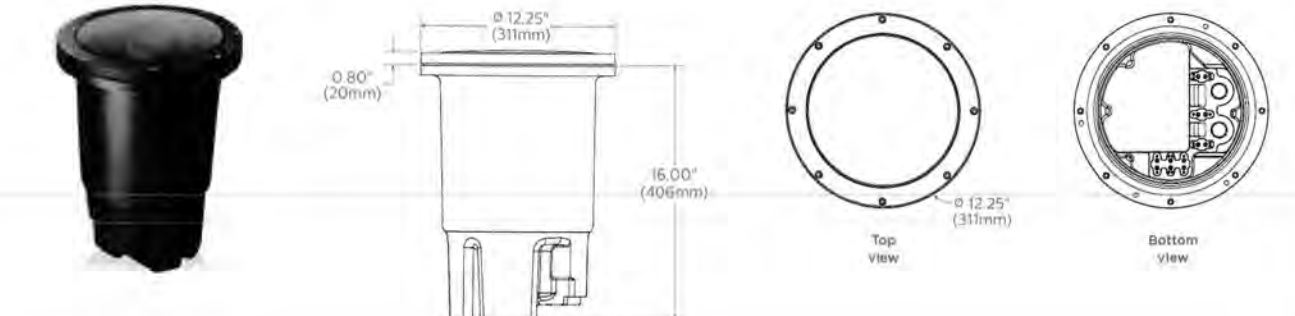
The LED Inground model opens new horizons for line voltage architectural landscape lighting. It is designed for optimal LED performance and superior flexibility.



## FlexScope LED line-voltage

Ordering guide

| Series | Finish | Color temperature | Lens | Options | Accessories | Surge suppressor |
|--------|--------|-------------------|------|---------|-------------|------------------|
| SL43   | D      | D                 | A    | SP1     | SP1         | SP1              |
| SL43   | D      | D                 | A    | SP1     | SP1         | SP1              |



## UPL1 LIGHTING FIXTURE DETAILS

N.T.S.

## UPL2 LIGHTING FIXTURE DETAILS

N.T.S.

| WDA                     |        | WDA                     |        | WDA                     |         |
|-------------------------|--------|-------------------------|--------|-------------------------|---------|
| Wadsworth Aluminum Pole |        | Wadsworth Aluminum Pole |        | Wadsworth Aluminum Pole |         |
| ORDERING INFORMATION    |        | ORDERING INFORMATION    |        | ORDERING INFORMATION    |         |
| Model                   | Height | Model                   | Height | Model                   | Height  |
| WDA-100                 | 10' 0" | WDA-150                 | 15' 0" | WDA-200                 | 20' 0"  |
| WDA-125                 | 12' 6" | WDA-175                 | 17' 6" | WDA-225                 | 22' 6"  |
| WDA-150                 | 15' 0" | WDA-200                 | 20' 0" | WDA-250                 | 25' 0"  |
| WDA-175                 | 17' 6" | WDA-225                 | 22' 6" | WDA-275                 | 27' 6"  |
| WDA-200                 | 20' 0" | WDA-250                 | 25' 0" | WDA-300                 | 30' 0"  |
| WDA-225                 | 22' 6" | WDA-275                 | 27' 6" | WDA-325                 | 32' 6"  |
| WDA-250                 | 25' 0" | WDA-300                 | 30' 0" | WDA-350                 | 35' 0"  |
| WDA-275                 | 27' 6" | WDA-325                 | 32' 6" | WDA-375                 | 37' 6"  |
| WDA-300                 | 30' 0" | WDA-350                 | 35' 0" | WDA-400                 | 40' 0"  |
| WDA-325                 | 32' 6" | WDA-375                 | 37' 6" | WDA-425                 | 42' 6"  |
| WDA-350                 | 35' 0" | WDA-400                 | 40' 0" | WDA-450                 | 45' 0"  |
| WDA-375                 | 37' 6" | WDA-425                 | 42' 6" | WDA-475                 | 47' 6"  |
| WDA-400                 | 40' 0" | WDA-450                 | 45' 0" | WDA-500                 | 50' 0"  |
| WDA-425                 | 42' 6" | WDA-475                 | 47' 6" | WDA-525                 | 52' 6"  |
| WDA-450                 | 45' 0" | WDA-500                 | 50' 0" | WDA-550                 | 55' 0"  |
| WDA-475                 | 47' 6" | WDA-525                 | 52' 6" | WDA-575                 | 57' 6"  |
| WDA-500                 | 50' 0" | WDA-550                 | 55' 0" | WDA-600                 | 60' 0"  |
| WDA-525                 | 52' 6" | WDA-575                 | 57' 6" | WDA-625                 | 62' 6"  |
| WDA-550                 | 55' 0" | WDA-600                 | 60' 0" | WDA-650                 | 65' 0"  |
| WDA-575                 | 57' 6" | WDA-625                 | 62' 6" | WDA-675                 | 67' 6"  |
| WDA-600                 | 60' 0" | WDA-650                 | 65' 0" | WDA-700                 | 70' 0"  |
| WDA-625                 | 62' 6" | WDA-675                 | 67' 6" | WDA-725                 | 72' 6"  |
| WDA-650                 | 65' 0" | WDA-700                 | 70' 0" | WDA-750                 | 75' 0"  |
| WDA-675                 | 67' 6" | WDA-725                 | 72' 6" | WDA-775                 | 77' 6"  |
| WDA-700                 | 70' 0" | WDA-750                 | 75' 0" | WDA-800                 | 80' 0"  |
| WDA-725                 | 72' 6" | WDA-775                 | 77' 6" | WDA-825                 | 82' 6"  |
| WDA-750                 | 75' 0" | WDA-800                 | 80' 0" | WDA-850                 | 85' 0"  |
| WDA-775                 | 77' 6" | WDA-825                 | 82' 6" | WDA-875                 | 87' 6"  |
| WDA-800                 | 80' 0" | WDA-850                 | 85' 0" | WDA-900                 | 90' 0"  |
| WDA-825                 | 82' 6" | WDA-875                 | 87' 6" | WDA-925                 | 92' 6"  |
| WDA-850                 | 85' 0" | WDA-900                 | 90' 0" | WDA-950                 | 95' 0"  |
| WDA-875                 | 87' 6" | WDA-925                 | 92' 6" | WDA-975                 | 97' 6"  |
| WDA-900                 | 90' 0" | WDA-950                 | 95' 0" | WDA-1000                | 100' 0" |

| WDA                     |        | WDA                     |        | WDA                     |         |
|-------------------------|--------|-------------------------|--------|-------------------------|---------|
| Wadsworth Aluminum Pole |        | Wadsworth Aluminum Pole |        | Wadsworth Aluminum Pole |         |
| DIMENSIONAL DATA        |        | DIMENSIONAL DATA        |        | DIMENSIONAL DATA        |         |
| Model                   | Height | Model                   | Height | Model                   | Height  |
| WDA-100                 | 10' 0" | WDA-150                 | 15' 0" | WDA-200                 | 20' 0"  |
| WDA-125                 | 12' 6" | WDA-175                 | 17' 6" | WDA-225                 | 22' 6"  |
| WDA-150                 | 15' 0" | WDA-200                 | 20' 0" | WDA-250                 | 25' 0"  |
| WDA-175                 | 17' 6" | WDA-225                 | 22' 6" | WDA-275                 | 27' 6"  |
| WDA-200                 | 20' 0" | WDA-250                 | 25' 0" | WDA-300                 | 30' 0"  |
| WDA-225                 | 22' 6" | WDA-275                 | 27' 6" | WDA-325                 | 32' 6"  |
| WDA-250                 | 25' 0" | WDA-300                 | 30' 0" | WDA-350                 | 35' 0"  |
| WDA-275                 | 27' 6" | WDA-325                 | 32' 6" | WDA-375                 | 37' 6"  |
| WDA-300                 | 30' 0" | WDA-350                 | 35' 0" | WDA-400                 | 40' 0"  |
| WDA-325                 | 32' 6" | WDA-375                 | 37' 6" | WDA-425                 | 42' 6"  |
| WDA-350                 | 35' 0" | WDA-400                 | 40' 0" | WDA-450                 | 45' 0"  |
| WDA-375                 | 37' 6" | WDA-425                 | 42' 6" | WDA-475                 | 47' 6"  |
| WDA-400                 | 40' 0" | WDA-450                 | 45' 0" | WDA-500                 | 50' 0"  |
| WDA-425                 | 42' 6" | WDA-475                 | 47' 6" | WDA-525                 | 52' 6"  |
| WDA-450                 | 45' 0" | WDA-500                 | 50' 0" | WDA-550                 | 55' 0"  |
| WDA-475                 | 47' 6" | WDA-525                 | 52' 6" | WDA-575                 | 57' 6"  |
| WDA-500                 | 50' 0" | WDA-550                 | 55' 0" | WDA-600                 | 60' 0"  |
| WDA-525                 | 52' 6" | WDA-575                 | 57' 6" | WDA-625                 | 62' 6"  |
| WDA-550                 | 55' 0" | WDA-600                 | 60' 0" | WDA-650                 | 65' 0"  |
| WDA-575                 | 57' 6" | WDA-625                 | 62' 6" | WDA-675                 | 67' 6"  |
| WDA-600                 | 60' 0" | WDA-650                 | 65' 0" | WDA-700                 | 70' 0"  |
| WDA-625                 | 62' 6" | WDA-675                 | 67' 6" | WDA-725                 | 72' 6"  |
| WDA-650                 | 65' 0" | WDA-700                 | 70' 0" | WDA-750                 | 75' 0"  |
| WDA-675                 | 67' 6" | WDA-725                 | 72' 6" | WDA-775                 | 77' 6"  |
| WDA-700                 | 70' 0" | WDA-750                 | 75' 0" | WDA-800                 | 80' 0"  |
| WDA-725                 | 72' 6" | WDA-775                 | 77' 6" | WDA-825                 | 82' 6"  |
| WDA-750                 | 75' 0" | WDA-800                 | 80' 0" | WDA-850                 | 85' 0"  |
| WDA-775                 | 77' 6" | WDA-825                 | 82' 6" | WDA-875                 | 87' 6"  |
| WDA-800                 | 80' 0" | WDA-850                 | 85' 0" | WDA-900                 | 90' 0"  |
| WDA-825                 | 82' 6" | WDA-875                 | 87' 6" | WDA-925                 | 92' 6"  |
| WDA-850                 | 85' 0" | WDA-900                 | 90' 0" | WDA-950                 | 95' 0"  |
| WDA-875                 | 87' 6" | WDA-925                 | 92' 6" | WDA-975                 | 97' 6"  |
| WDA-900                 | 90' 0" | WDA-950                 | 95' 0" | WDA-1000                | 100' 0" |

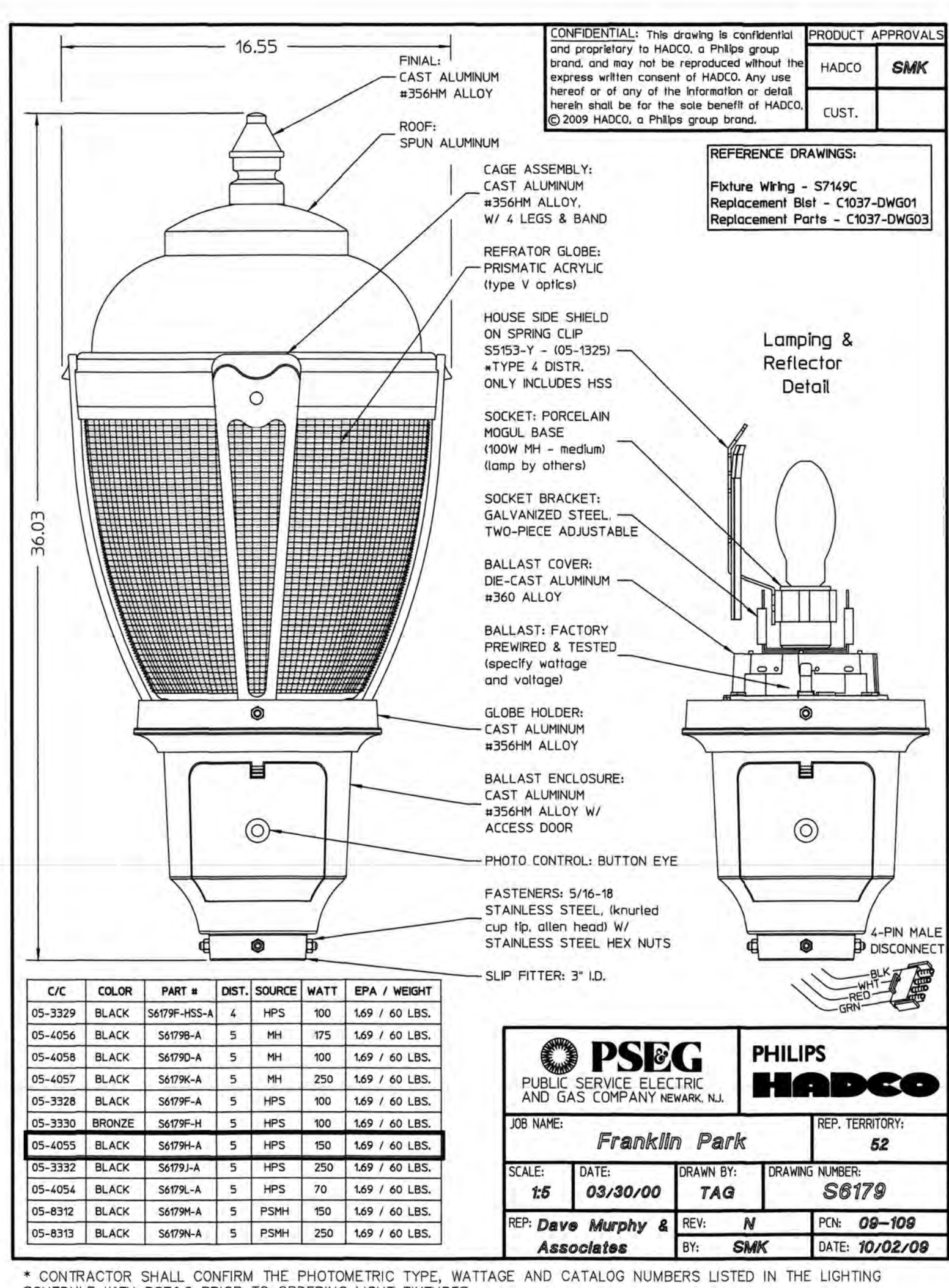
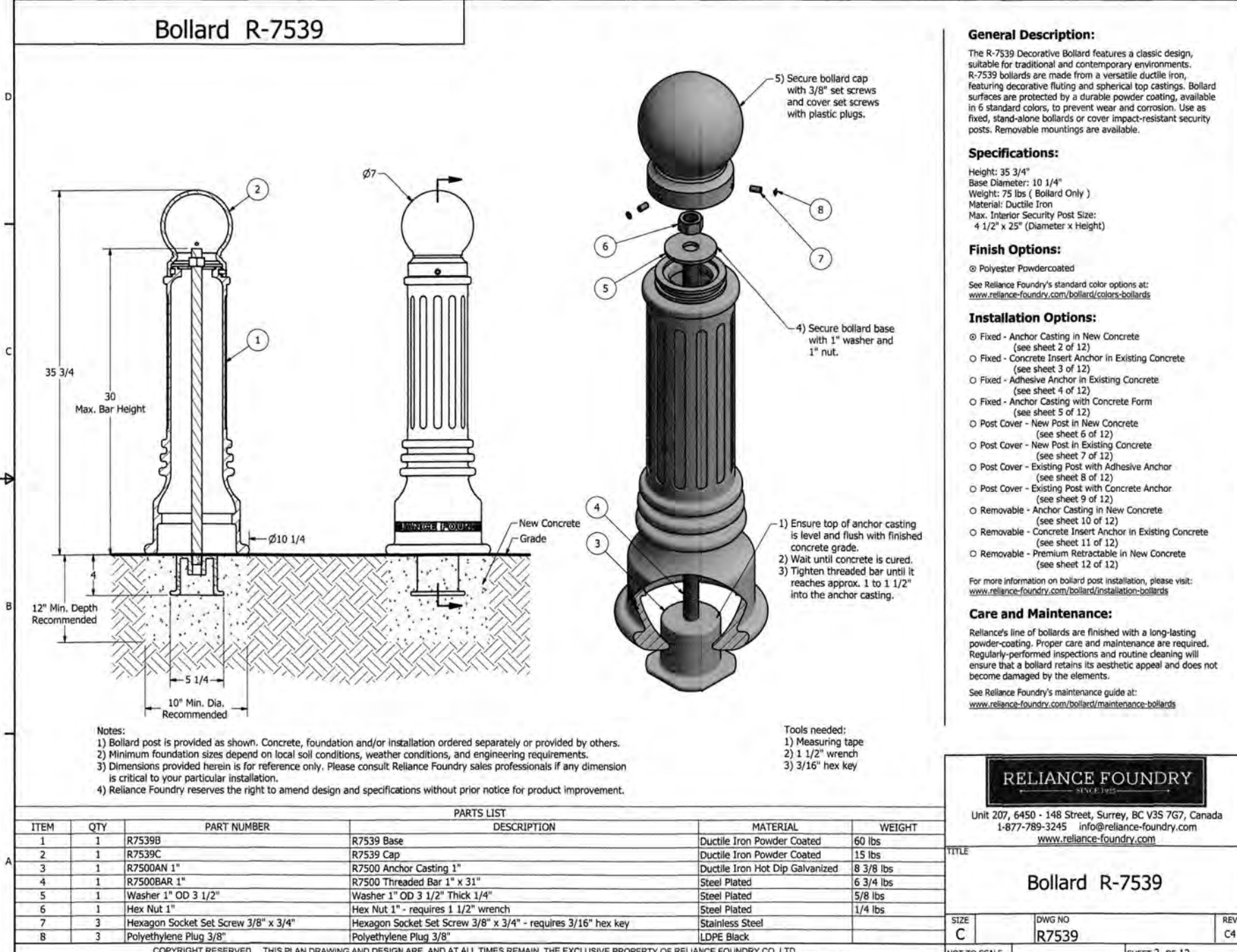
| WDA                     |        | WDA                     |        | WDA                     |         |
|-------------------------|--------|-------------------------|--------|-------------------------|---------|
| Wadsworth Aluminum Pole |        | Wadsworth Aluminum Pole |        | Wadsworth Aluminum Pole |         |
| SPECIFICATIONS          |        | SPECIFICATIONS          |        | SPECIFICATIONS          |         |
| Model                   | Height | Model                   | Height | Model                   | Height  |
| WDA-100                 | 10' 0" | WDA-150                 | 15' 0" | WDA-200                 | 20' 0"  |
| WDA-125                 | 12' 6" | WDA-175                 | 17' 6" | WDA-225                 | 22' 6"  |
| WDA-150                 | 15' 0" | WDA-200                 | 20' 0" | WDA-250                 | 25' 0"  |
| WDA-175                 | 17' 6" | WDA-225                 | 22' 6" | WDA-275                 | 27' 6"  |
| WDA-200                 | 20' 0" | WDA-250                 | 25' 0" | WDA-300                 | 30' 0"  |
| WDA-225                 | 22' 6" | WDA-275                 | 27' 6" | WDA-325                 | 32' 6"  |
| WDA-250                 | 25' 0" | WDA-300                 | 30' 0" | WDA-350                 | 35' 0"  |
| WDA-275                 | 27' 6" | WDA-325                 | 32' 6" | WDA-375                 | 37' 6"  |
| WDA-300                 | 30' 0" | WDA-350                 | 35' 0" | WDA-400                 | 40' 0"  |
| WDA-325                 | 32' 6" | WDA-375                 | 37' 6" | WDA-425                 | 42' 6"  |
| WDA-350                 | 35' 0" | WDA-400                 | 40' 0" | WDA-450                 | 45' 0"  |
| WDA-375                 | 37' 6" | WDA-425                 | 42' 6" | WDA-475                 | 47' 6"  |
| WDA-400                 | 40' 0" | WDA-450                 | 45' 0" | WDA-500                 | 50' 0"  |
| WDA-425                 | 42' 6" | WDA-475                 | 47' 6" | WDA-525                 | 52' 6"  |
| WDA-450                 | 45' 0" | WDA-500                 | 50' 0" | WDA-550                 | 55' 0"  |
| WDA-475                 | 47' 6" | WDA-525                 | 52' 6" | WDA-575                 | 57' 6"  |
| WDA-500                 | 50' 0" | WDA-550                 | 55' 0" | WDA-600                 | 60' 0"  |
| WDA-525                 | 52' 6" | WDA-575                 | 57' 6" | WDA-625                 | 62' 6"  |
| WDA-550                 | 55' 0" | WDA-600                 | 60' 0" | WDA-650                 | 65' 0"  |
| WDA-575                 | 57' 6" | WDA-625                 | 62' 6" | WDA-675                 | 67' 6"  |
| WDA-600                 | 60' 0" | WDA-650                 | 65' 0" | WDA-700                 | 70' 0"  |
| WDA-625                 | 62' 6" | WDA-675                 | 67' 6" | WDA-725                 | 72' 6"  |
| WDA-650                 | 65' 0" | WDA-700                 | 70' 0" | WDA-750                 | 75' 0"  |
| WDA-675                 | 67' 6" | WDA-725                 | 72' 6" | WDA-775                 | 77' 6"  |
| WDA-700                 | 70' 0" | WDA-750                 | 75' 0" | WDA-800                 | 80' 0"  |
| WDA-725                 | 72' 6" | WDA-775                 | 77' 6" | WDA-825                 | 82' 6"  |
| WDA-750                 | 75' 0" | WDA-800                 | 80' 0" | WDA-850                 | 85' 0"  |
| WDA-775                 | 77' 6" | WDA-825                 | 82' 6" | WDA-875                 | 87' 6"  |
| WDA-800                 | 80' 0" | WDA-850                 | 85' 0" | WDA-900                 | 90' 0"  |
| WDA-825                 | 82' 6" | WDA-875                 | 87' 6" | WDA-925                 | 92' 6"  |
| WDA-850                 | 85' 0" | WDA-900                 | 90' 0" | WDA-950                 | 95' 0"  |
| WDA-875                 | 87' 6" | WDA-925                 | 92' 6" | WDA-975                 | 97' 6"  |
| WDA-900                 | 90' 0" | WDA-950                 | 95' 0" | WDA-1000                | 100' 0" |

| SAL-W-BOL-LED                        |        | SAL-W-BOL-LED                        |        | SAL-W-BOL-LED                        |         |
|--------------------------------------|--------|--------------------------------------|--------|--------------------------------------|---------|
| Bollards (BOL) - Cast Aluminum (SAL) |        | Bollards (BOL) - Cast Aluminum (SAL) |        | Bollards (BOL) - Cast Aluminum (SAL) |         |
| PRODUCT FEATURES                     |        | PRODUCT FEATURES                     |        | PRODUCT FEATURES                     |         |
| Model                                | Height | Model                                | Height | Model                                | Height  |
| SAL-W-BOL-100                        | 10' 0" | SAL-W-BOL-150                        | 15' 0" | SAL-W-BOL-200                        | 20' 0"  |
| SAL-W-BOL-125                        | 12' 6" | SAL-W-BOL-175                        | 17' 6" | SAL-W-BOL-225                        | 22' 6"  |
| SAL-W-BOL-150                        | 15' 0" | SAL-W-BOL-200                        | 20' 0" | SAL-W-BOL-250                        | 25' 0"  |
| SAL-W-BOL-175                        | 17' 6" | SAL-W-BOL-225                        | 22' 6" | SAL-W-BOL-275                        | 27' 6"  |
| SAL-W-BOL-200                        | 20' 0" | SAL-W-BOL-250                        | 25' 0" | SAL-W-BOL-300                        | 30' 0"  |
| SAL-W-BOL-225                        | 22' 6" | SAL-W-BOL-275                        | 27' 6" | SAL-W-BOL-325                        | 32' 6"  |
| SAL-W-BOL-250                        | 25' 0" | SAL-W-BOL-300                        | 30' 0" | SAL-W-BOL-350                        | 35' 0"  |
| SAL-W-BOL-275                        | 27' 6" | SAL-W-BOL-325                        | 32' 6" | SAL-W-BOL-375                        | 37' 6"  |
| SAL-W-BOL-300                        | 30' 0" | SAL-W-BOL-350                        | 35' 0" | SAL-W-BOL-400                        | 40' 0"  |
| SAL-W-BOL-325                        | 32' 6" | SAL-W-BOL-375                        | 37' 6" | SAL-W-BOL-425                        | 42' 6"  |
| SAL-W-BOL-350                        | 35' 0" | SAL-W-BOL-400                        | 40' 0" | SAL-W-BOL-450                        | 45' 0"  |
| SAL-W-BOL-375                        | 37' 6" | SAL-W-BOL-425                        | 42' 6" | SAL-W-BOL-475                        | 47' 6"  |
| SAL-W-BOL-400                        | 40' 0" | SAL-W-BOL-450                        | 45' 0" | SAL-W-BOL-500                        | 50' 0"  |
| SAL-W-BOL-425                        | 42' 6" | SAL-W-BOL-475                        | 47' 6" | SAL-W-BOL-525                        | 52' 6"  |
| SAL-W-BOL-450                        | 45' 0" | SAL-W-BOL-500                        | 50' 0" | SAL-W-BOL-550                        | 55' 0"  |
| SAL-W-BOL-475                        | 47' 6" | SAL-W-BOL-525                        | 52' 6" | SAL-W-BOL-575                        | 57' 6"  |
| SAL-W-BOL-500                        | 50' 0" | SAL-W-BOL-550                        | 55' 0" | SAL-W-BOL-600                        | 60' 0"  |
| SAL-W-BOL-525                        | 52' 6" | SAL-W-BOL-575                        | 57' 6" | SAL-W-BOL-625                        | 62' 6"  |
| SAL-W-BOL-550                        | 55' 0" | SAL-W-BOL-600                        | 60' 0" | SAL-W-BOL-650                        | 65' 0"  |
| SAL-W-BOL-575                        | 57' 6" | SAL-W-BOL-625                        | 62' 6" | SAL-W-BOL-675                        | 67' 6"  |
| SAL-W-BOL-600                        | 60' 0" | SAL-W-BOL-650                        | 65' 0" | SAL-W-BOL-700                        | 70' 0"  |
| SAL-W-BOL-625                        | 62' 6" | SAL-W-BOL-675                        | 67' 6" | SAL-W-BOL-725                        | 72' 6"  |
| SAL-W-BOL-650                        | 65' 0" | SAL-W-BOL-700                        | 70' 0" | SAL-W-BOL-750                        | 75' 0"  |
| SAL-W-BOL-675                        | 67' 6" | SAL-W-BOL-725                        | 72' 6" | SAL-W-BOL-775                        | 77' 6"  |
| SAL-W-BOL-700                        | 70' 0" | SAL-W-BOL-750                        | 75' 0" | SAL-W-BOL-800                        | 80' 0"  |
| SAL-W-BOL-725                        | 72' 6" | SAL-W-BOL-775                        | 77' 6" | SAL-W-BOL-825                        | 82' 6"  |
| SAL-W-BOL-750                        | 75' 0" | SAL-W-BOL-800                        | 80' 0" | SAL-W-BOL-850                        | 85' 0"  |
| SAL-W-BOL-775                        | 77' 6" | SAL-W-BOL-825                        | 82' 6" | SAL-W-BOL-875                        | 87' 6"  |
| SAL-W-BOL-800                        | 80' 0" | SAL-W-BOL-850                        | 85' 0" | SAL-W-BOL-900                        | 90' 0"  |
| SAL-W-BOL-825                        | 82' 6" | SAL-W-BOL-875                        | 87' 6" | SAL-W-BOL-925                        | 92' 6"  |
| SAL-W-BOL-850                        | 85' 0" | SAL-W-BOL-900                        | 90' 0" | SAL-W-BOL-950                        | 95' 0"  |
| SAL-W-BOL-875                        | 87' 6" | SAL-W-BOL-925                        | 92' 6" | SAL-W-BOL-975                        | 97' 6"  |
| SAL-W-BOL-900                        | 90' 0" | SAL-W-BOL-950                        | 95' 0" | SAL-W-BOL-1000                       | 100' 0" |

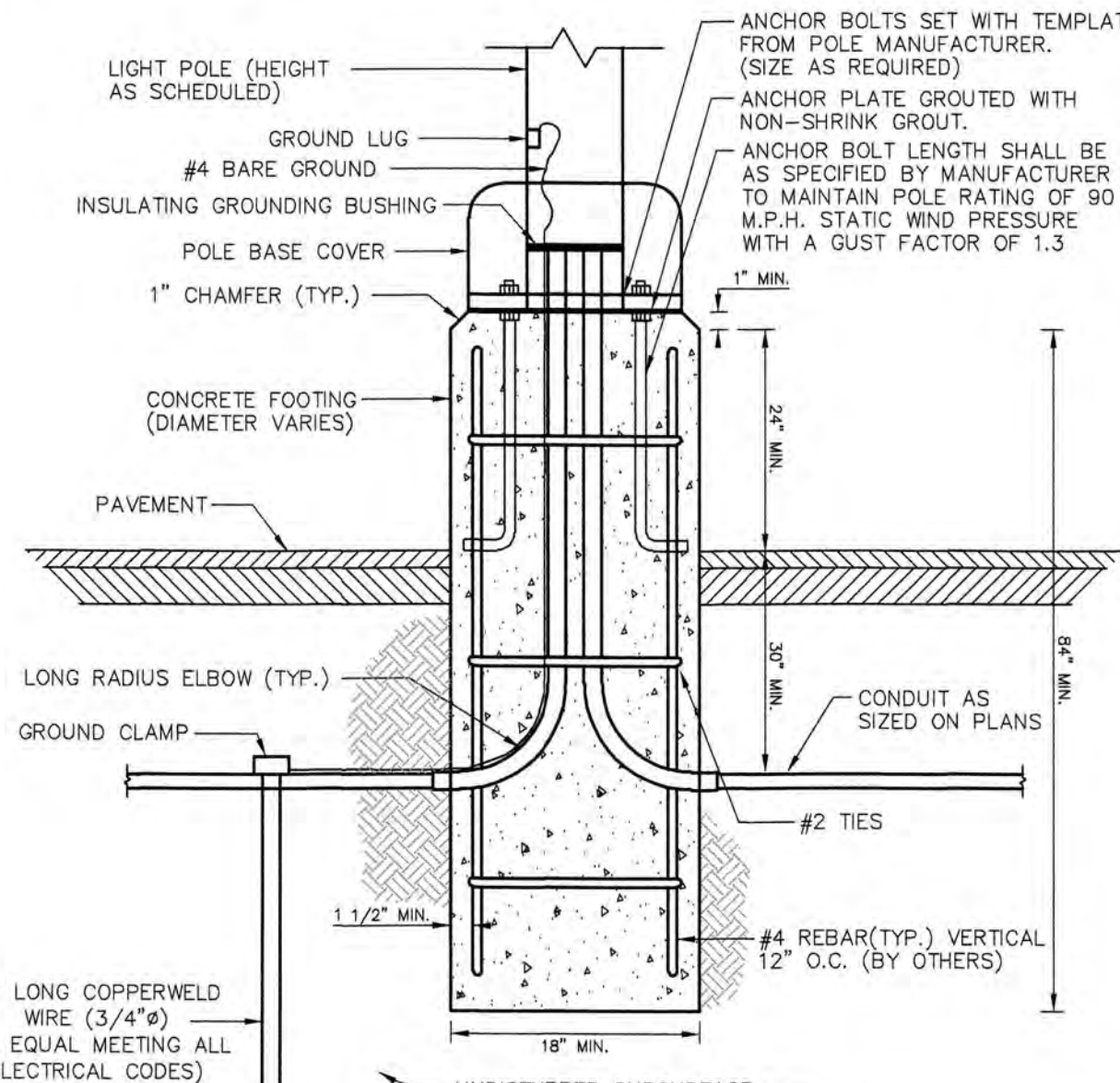
## PLANTING NOTES

- THE FOLLOWING RECOMMENDED PLANTING PERIODS SHOULD BE OBSERVED WHENEVER POSSIBLE: 1) BROADLEAF AND CONIFEROUS EVERGREEN TREES, SHRUBS, VINES AND GROUND COVERS SHALL BE PLANTED BETWEEN AUGUST 15TH AND SEPTEMBER 15TH AND BETWEEN APRIL 15TH AND MAY 15TH. DECIDUOUS TREES, SHRUBS, VINES, GROUND COVERS AND PERENNIALS SHALL BE PLANTED BETWEEN OCTOBER 15TH AND NOVEMBER 15TH AND BETWEEN MARCH 15TH AND MAY 15TH. THESE PLANTING SEASONS MAY BE EXTENDED OR SHORTENED ACCORDING TO PREVAILING WEATHER CONDITIONS, SOIL CONDITIONS, AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE.
- THE PLANTING OPERATION INCLUDES ALL LABOR, MATERIALS, PLANTS, EQUIPMENT, SHIPPING, INCIDENTALS AND CLEAN-UP BY THE CONTRACTOR FOR THE INSTALLATION OF THE ENTIRE LANDSCAPE PLAN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT CORRECT GRADES AND ALIGNMENT.
- THE CONTRACTOR WILL EXAMINE ALL FIELD CONDITIONS FOR EXACT LOCATIONS OF UTILITIES, DRAINAGE SYSTEMS AND IRRIGATION SYSTEMS AND ADJUST PROPOSED PLANTINGS ACCORDINGLY. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND THE PROVISION OF POSITIVE DRAINAGE. THE CONTRACTOR SHALL NOTIFY THE CLIENT, ENGINEER, AND/OR LANDSCAPE ARCHITECT OF ANY DETRIMENTAL DRAINAGE HAZARD, INCLUDING BUT NOT LIMITED TO INSUFFICIENT TOPSOIL, ETC. PRIOR TO THE INSTALLATION OF ANY MATERIALS, INCLUDING LAWN AREAS.
- THE CONTRACTOR WILL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING OF ALL SOIL OR DRAINAGE CONDITIONS WHICH THE CONTRACTOR CONSIDERS DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL. STATE CONDITION AND SUBMIT A PROPOSAL FOR CORRECTION IF FEASIBLE.
- PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY, HAVE NORMAL GROWTH HABITS, WELL DEVELOPED BRANCHES, DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE FROM DEFECTS AND INJURIES. QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH THE MOST RECENT ASH 760 "AMERICAN STANDARD FOR NURSERY STOCK" AS PUBLISHED BY



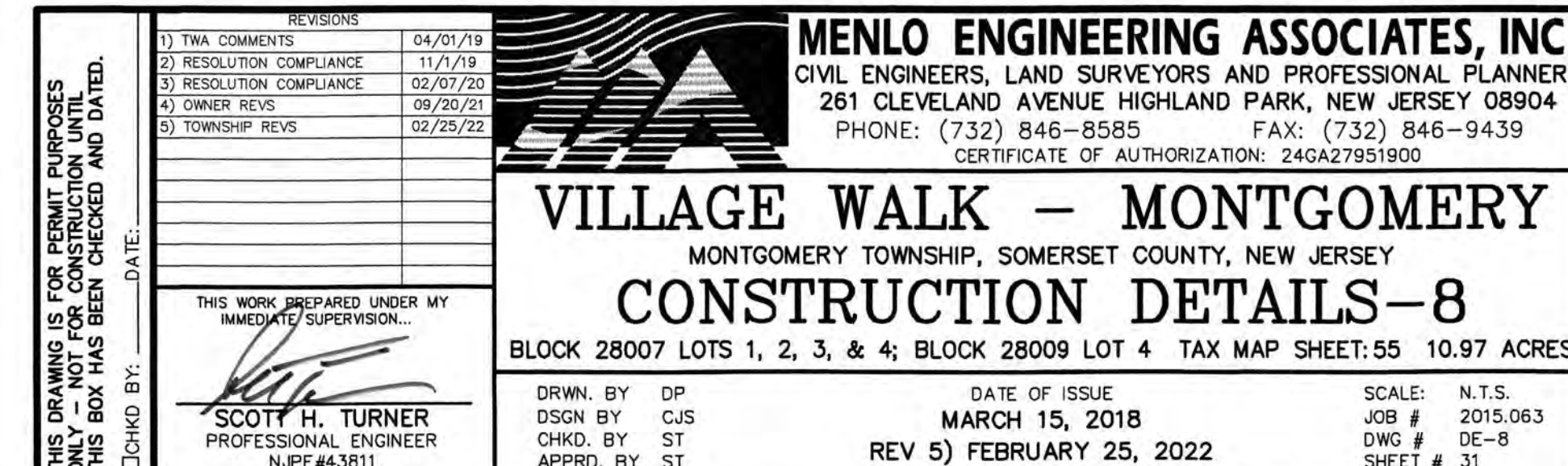
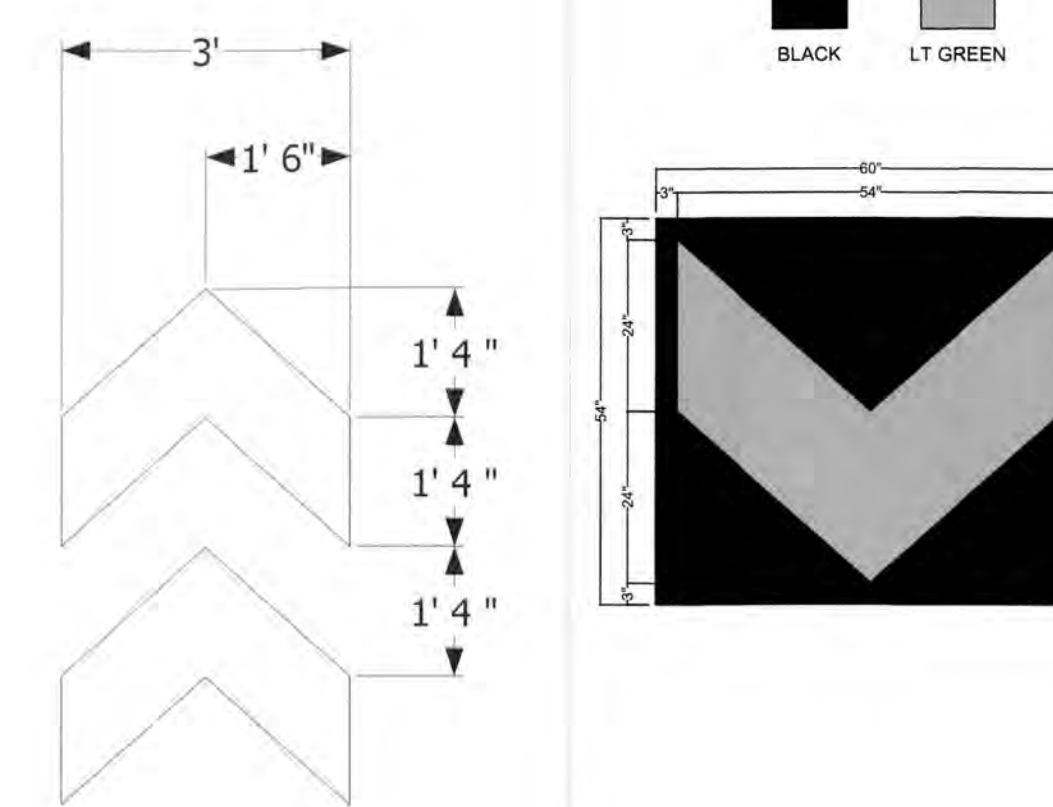
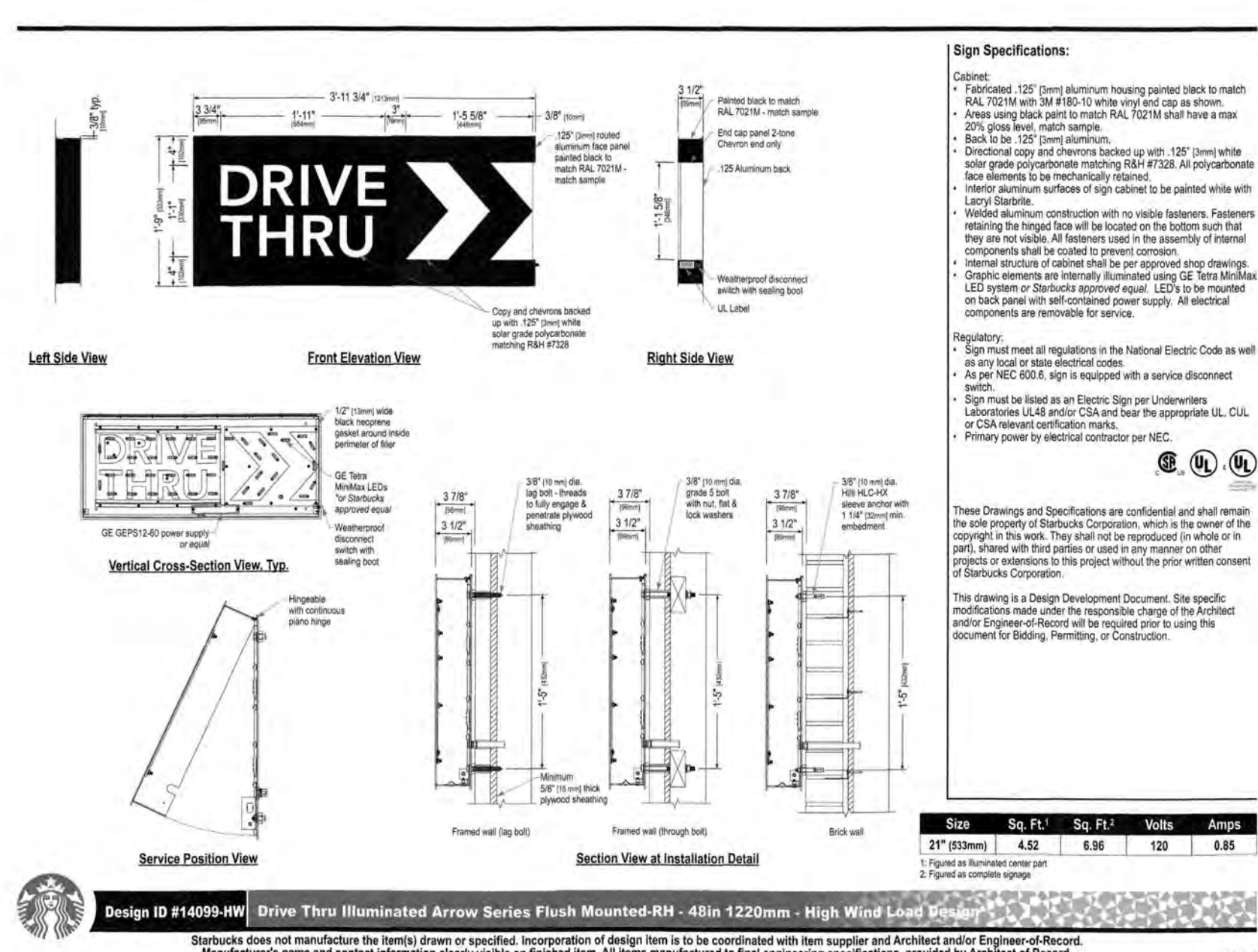
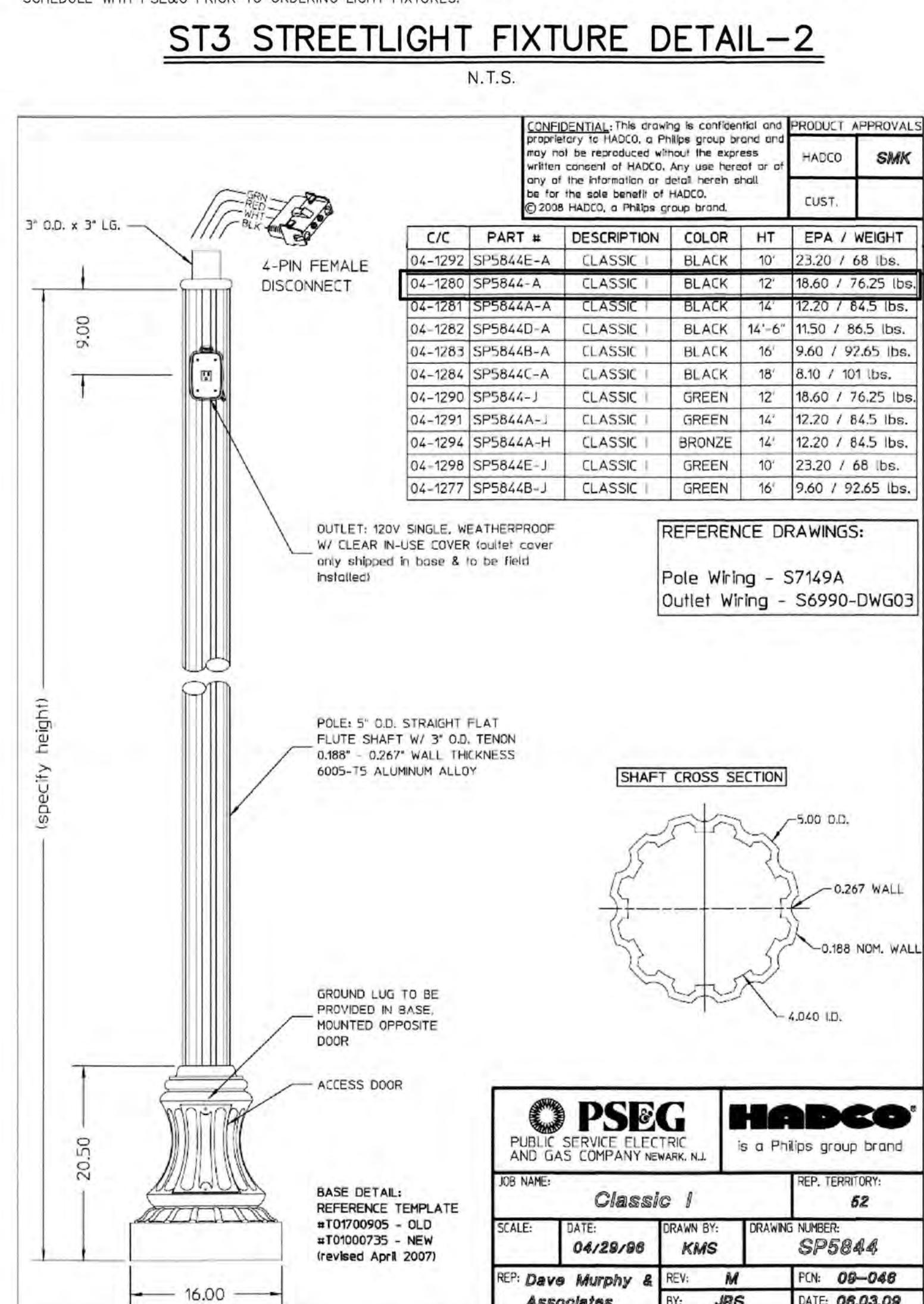
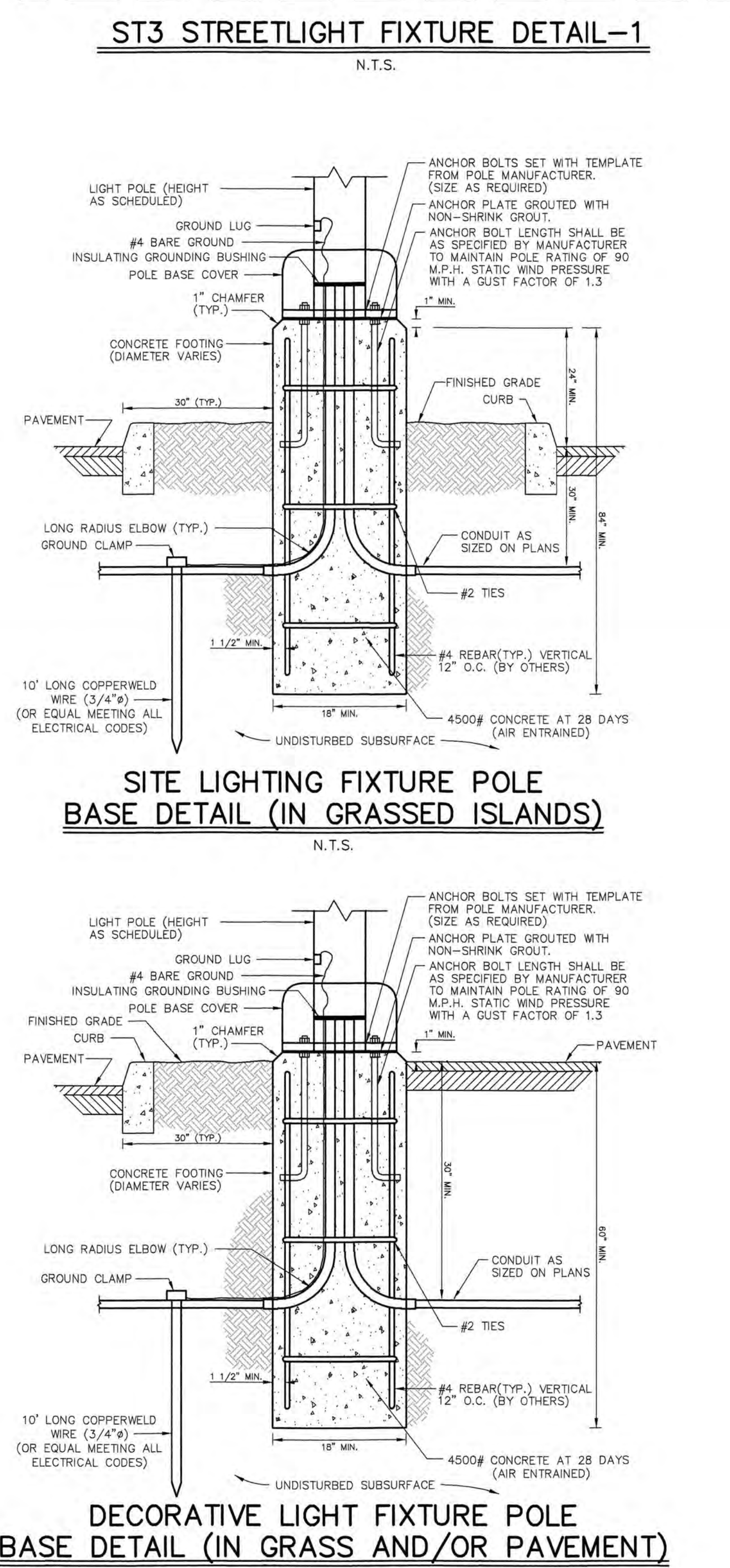
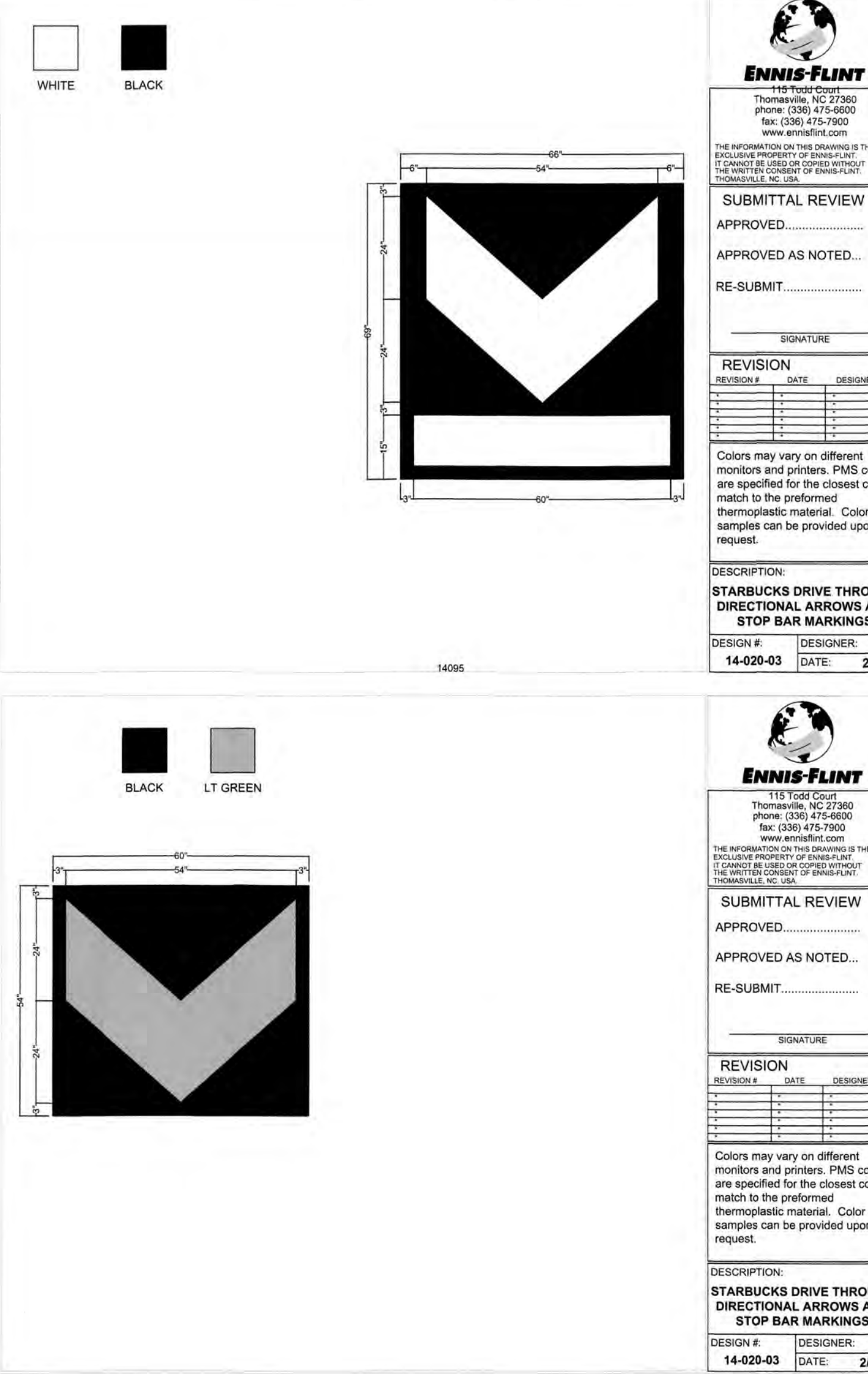


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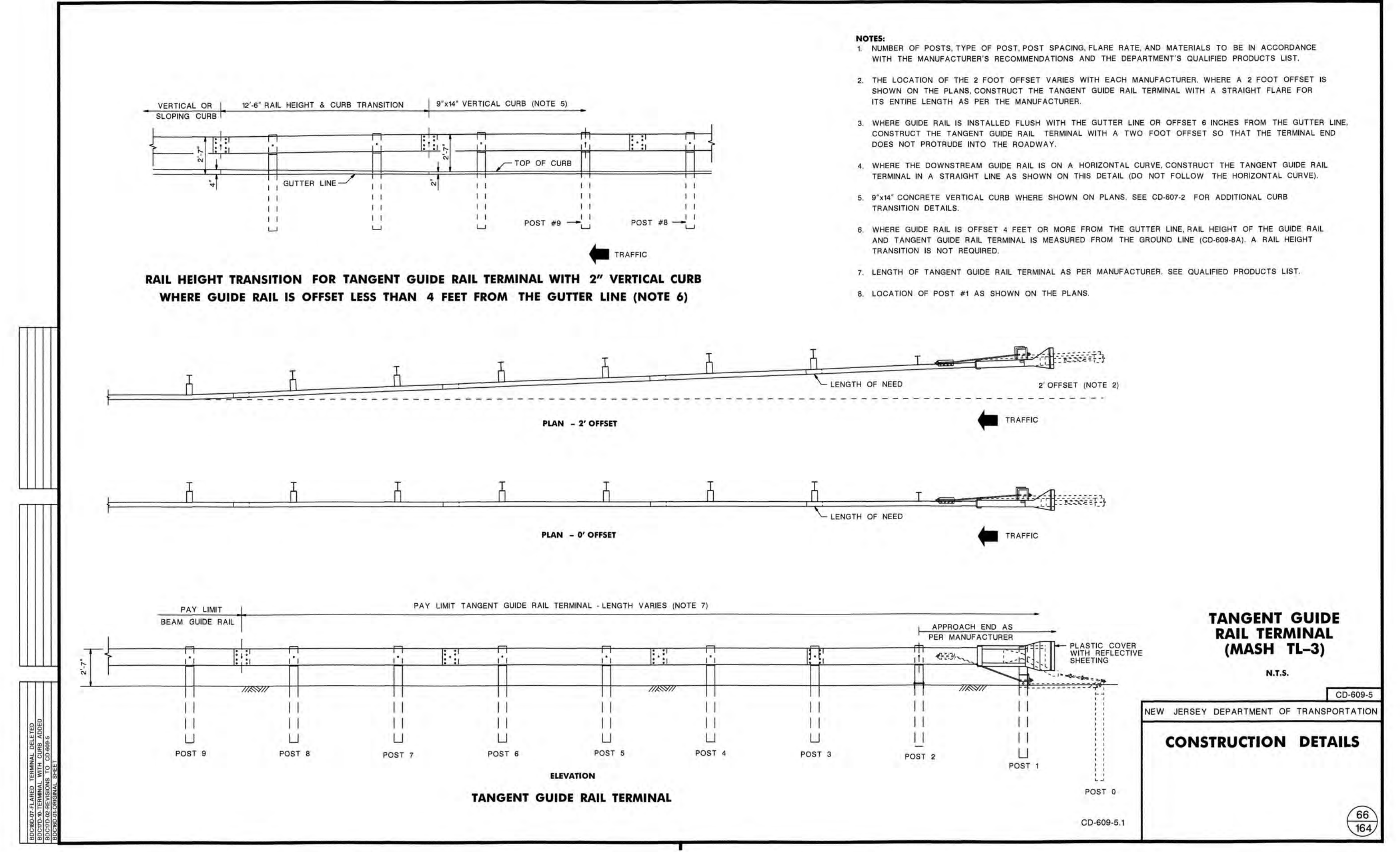
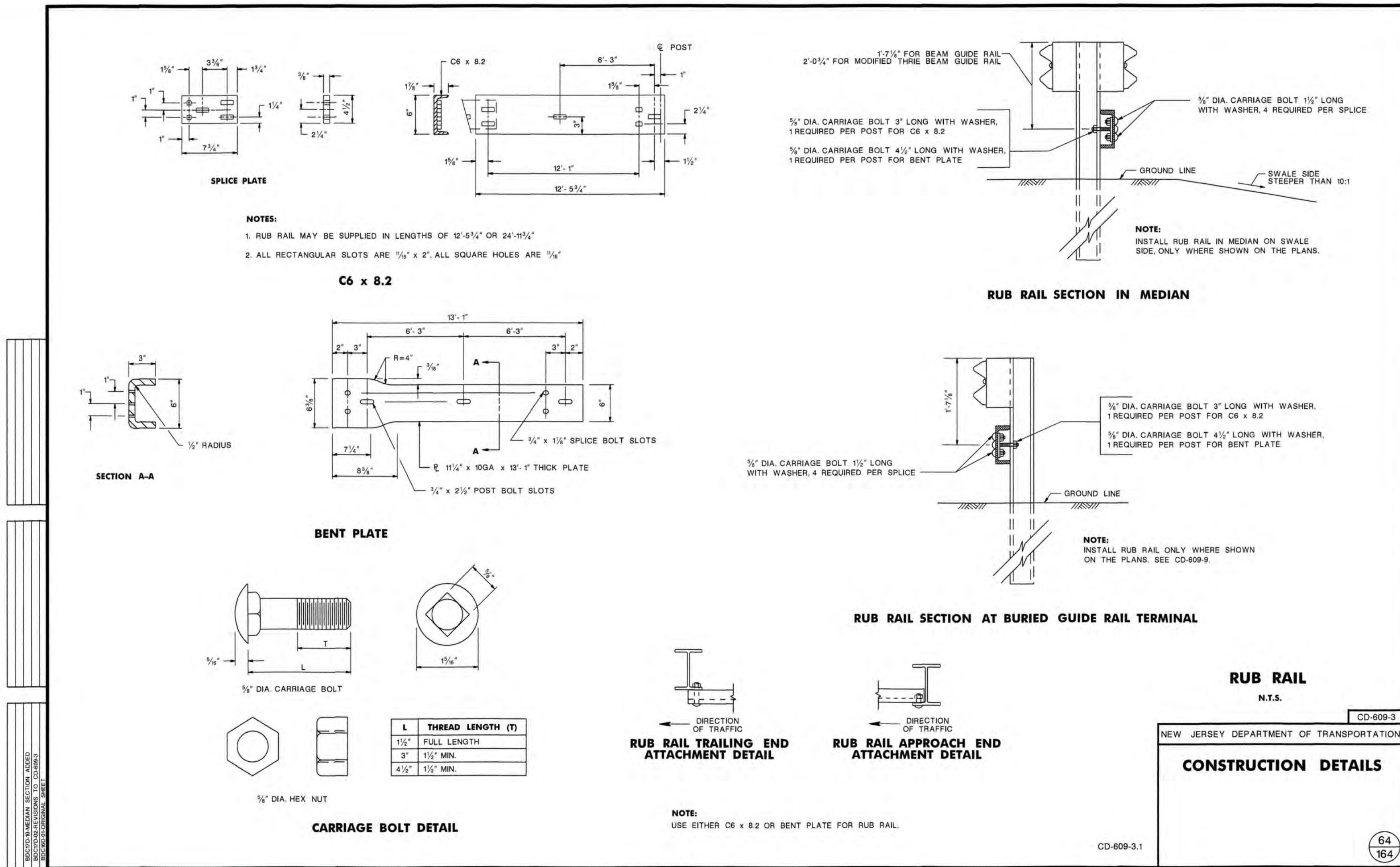
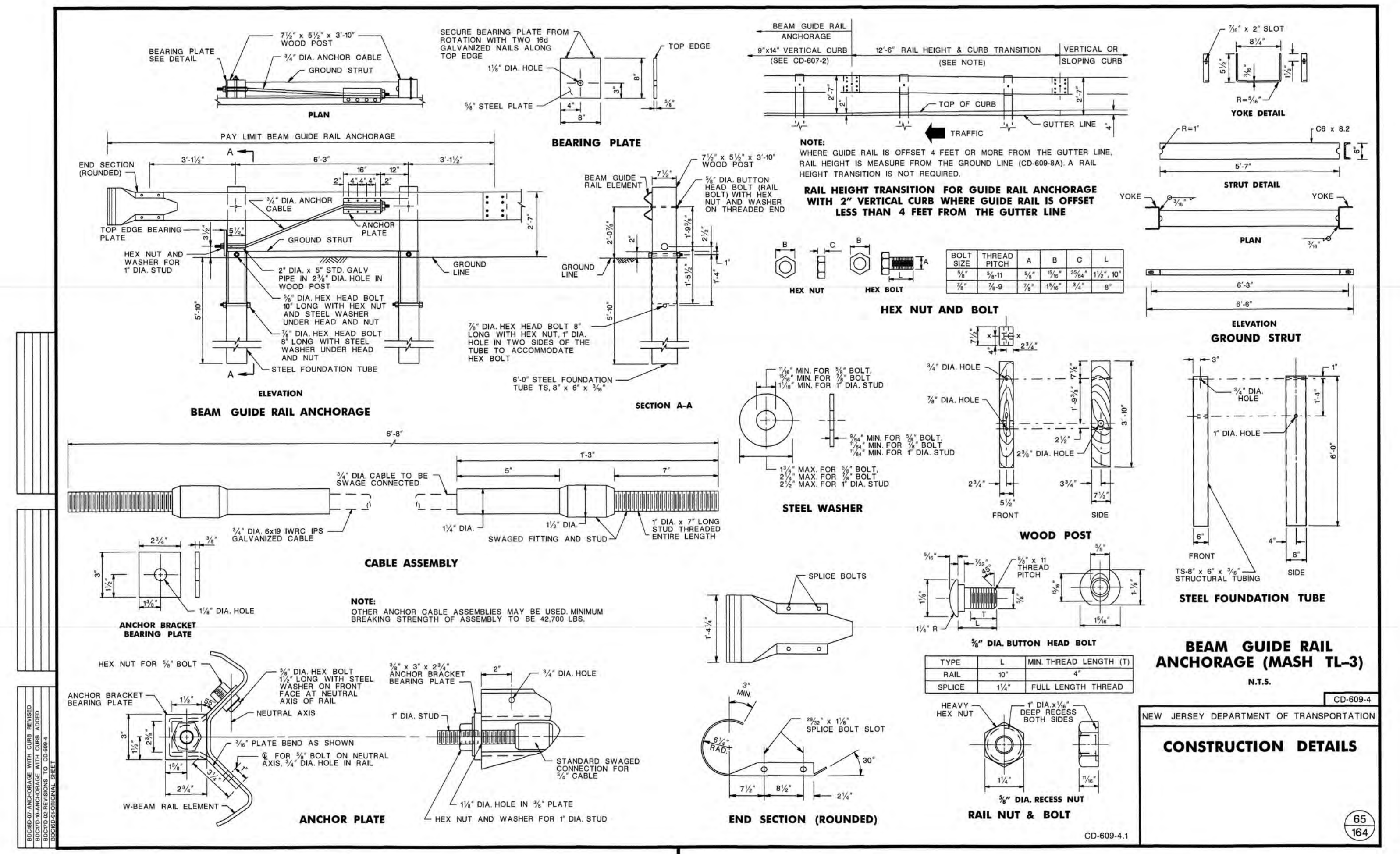
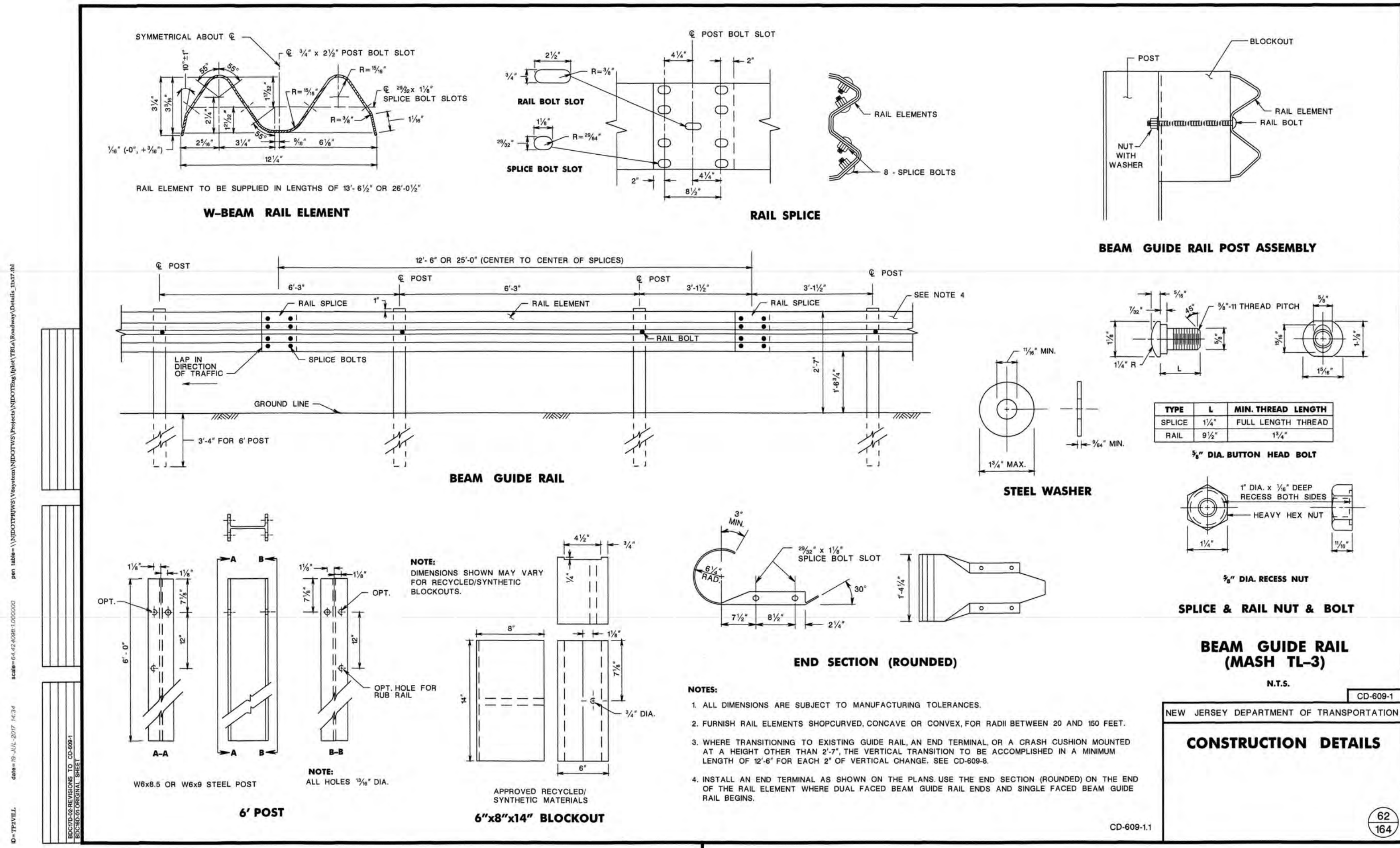


MOUNTING HEIGHT= 13 FT. SCALE: NTS

N.T.S.







THIS DRAWING IS FOR PERMIT PURPOSES ONLY. IT IS NOT TO BE USED FOR CONSTRUCTION UNTIL A PERMIT HAS BEEN OBTAINED AND DATED.

DATE: 02/25/23

REVISIONS

1) TOWNSHIP REVS

02/25/23

THIS WORK PREPARED UNDER MY IMMEDIATE SUPERVISION.

SCOTT H. TURNER

PROFESSIONAL ENGINEER

N.J.E.#43811

**MENLO ENGINEERING ASSOCIATES, INC.**

CIVIL ENGINEERS, LAND SURVEYORS AND PROFESSIONAL PLANNERS

281 CLEVELAND AVENUE HIGHLAND PARK, NEW JERSEY 08004

PHONE: (732) 846-8585 FAX: (732) 846-9439

CERTIFICATE OF AUTHORIZATION: 240A27951900

**VILLAGE WALK - MONTGOMERY**

MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY

**CONSTRUCTION DETAILS-9**

BLOCK 28007 LOTS 1, 2, 3, & 4; BLOCK 28009 LOT 4 TAX MAP SHEET:55 10.97 ACRES

DRWN. BY DP DATE OF ISSUE N.T.S.

DSGN. BY CJS JOB # 2015.063

CHKD. BY ST NOVEMBER 1, 2019

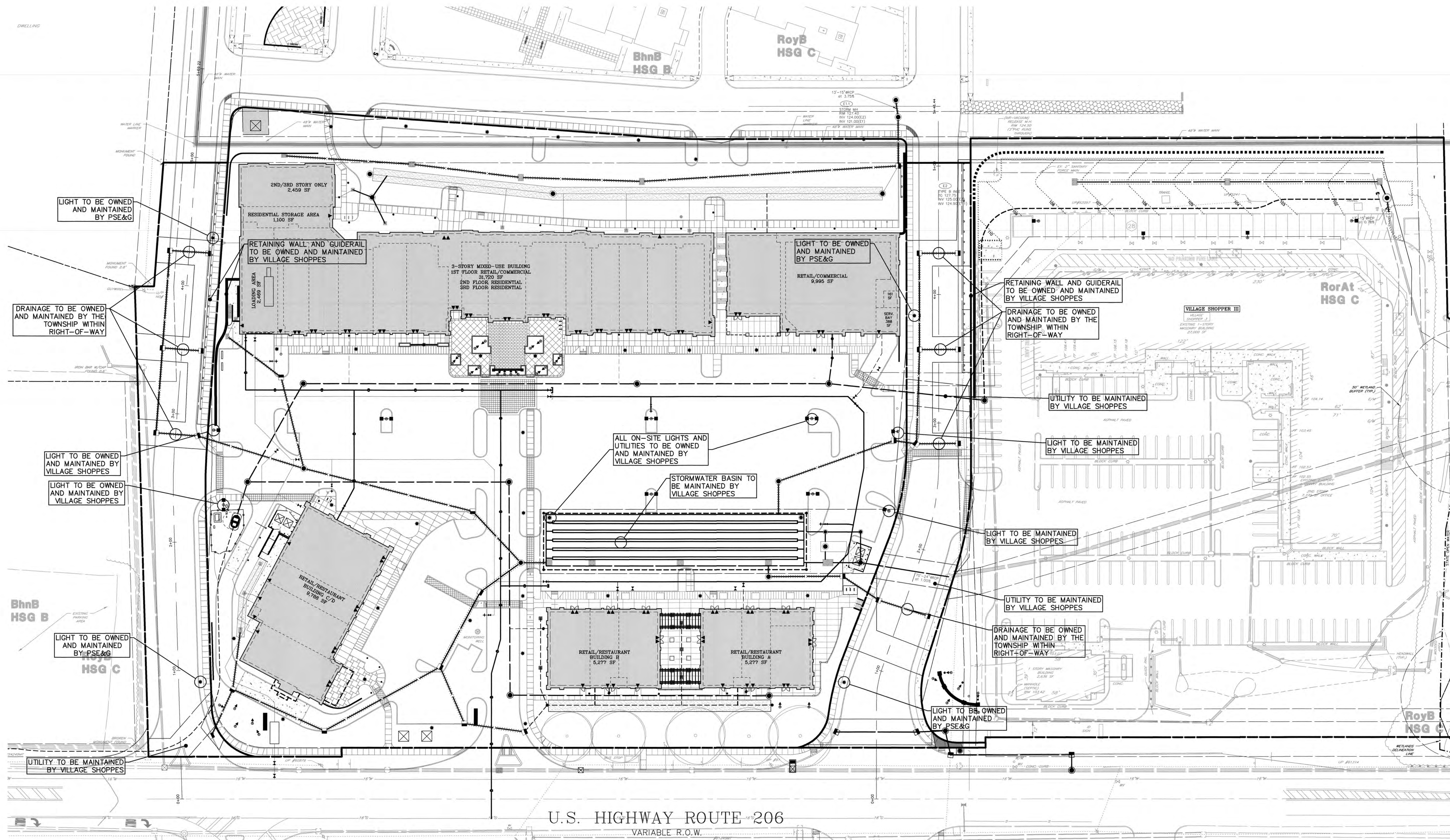
APPRD. BY ST REV 1) FEBRUARY 25, 2022

SHEET # 32

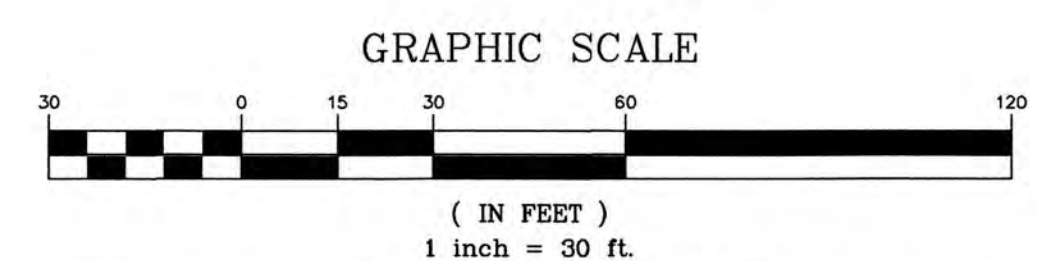








U.S. HIGHWAY ROUTE 206  
VARIABLE R.O.W.



|                          |          |
|--------------------------|----------|
| <b>REVISIONS</b>         |          |
| 1) RESOLUTION COMPLIANCE | 11/20/19 |
| 2) RESOLUTION COMPLIANCE | 2/20/20  |
| 3) RESOLUTION COMPLIANCE | 07/19/21 |
| 4) OWNER REVS            | 08/20/21 |
| 5) TOWNSHIP REVS         | 02/23/22 |

THIS WORK PREPARED UNDER MY IMMEDIATE SUPERVISION:

SCOTT H. TURNER  
PROFESSIONAL ENGINEER  
N.J.E.#4381

THE STATE OF NEW JERSEY requires notification by educators, designers or any person preparing to disturb the earth's surface, anywhere in the state.

THIS DRAWING IS FOR REVIEW PURPOSES ONLY - NOT FOR CONSTRUCTION. THIS BOX HAS BEEN CHECKED AND DATED.

DATE: \_\_\_\_\_

DRWN. BY NF  
DSGN. BY CJS  
CHKD. BY ST  
APPRD. BY ST

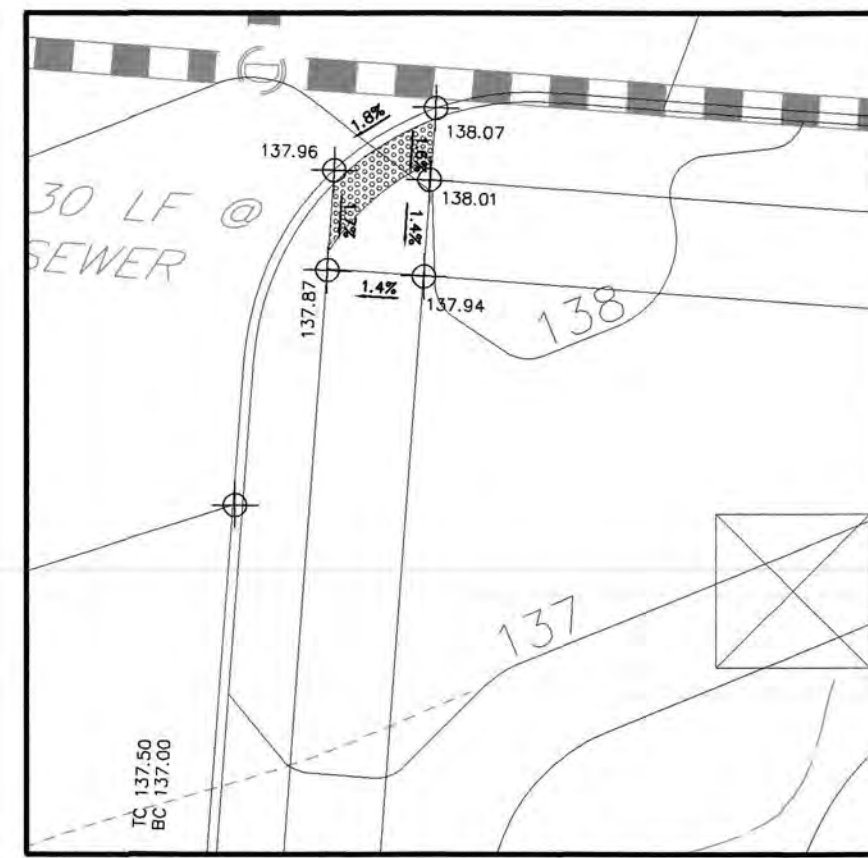
DATE OF ISSUE: SEPTEMBER 28, 2018  
REV 5) FEBRUARY 25, 2022

SCALE: 1"=30'  
JOB # 2015.063  
DWG # 40-1  
SHEET # 34

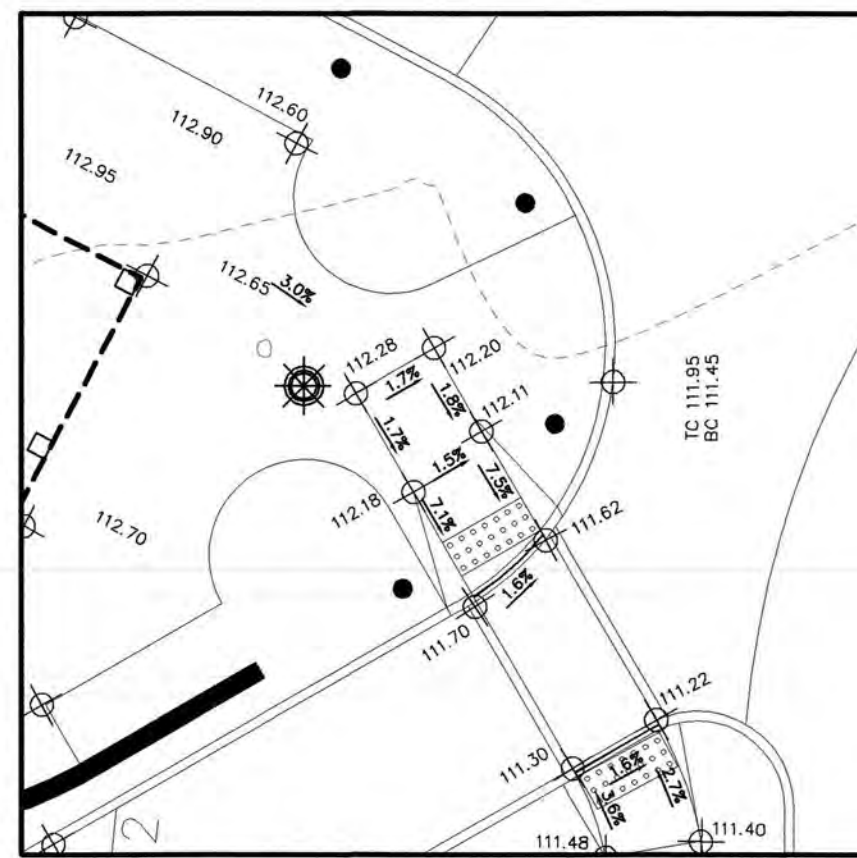
**MENLO ENGINEERING ASSOCIATES, INC.**  
CIVIL ENGINEERS, LAND SURVEYORS AND PROFESSIONAL PLANNERS  
261 CLEVELAND AVENUE HIGHLAND PARK, NEW JERSEY 08904  
PHONE: (732) 846-8585 FAX: (732) 846-9439  
CERTIFICATE OF AUTHORIZATION: 24GA27951900

**VILLAGE WALK at MONTGOMERY**  
MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY  
**JURISDICTIONAL PLAN**  
BLOCK 28007 LOTS 1, 2, 3, & 4; BLOCK 28009 LOT 4 TAX MAP SHEET:55 10.97 ACRES

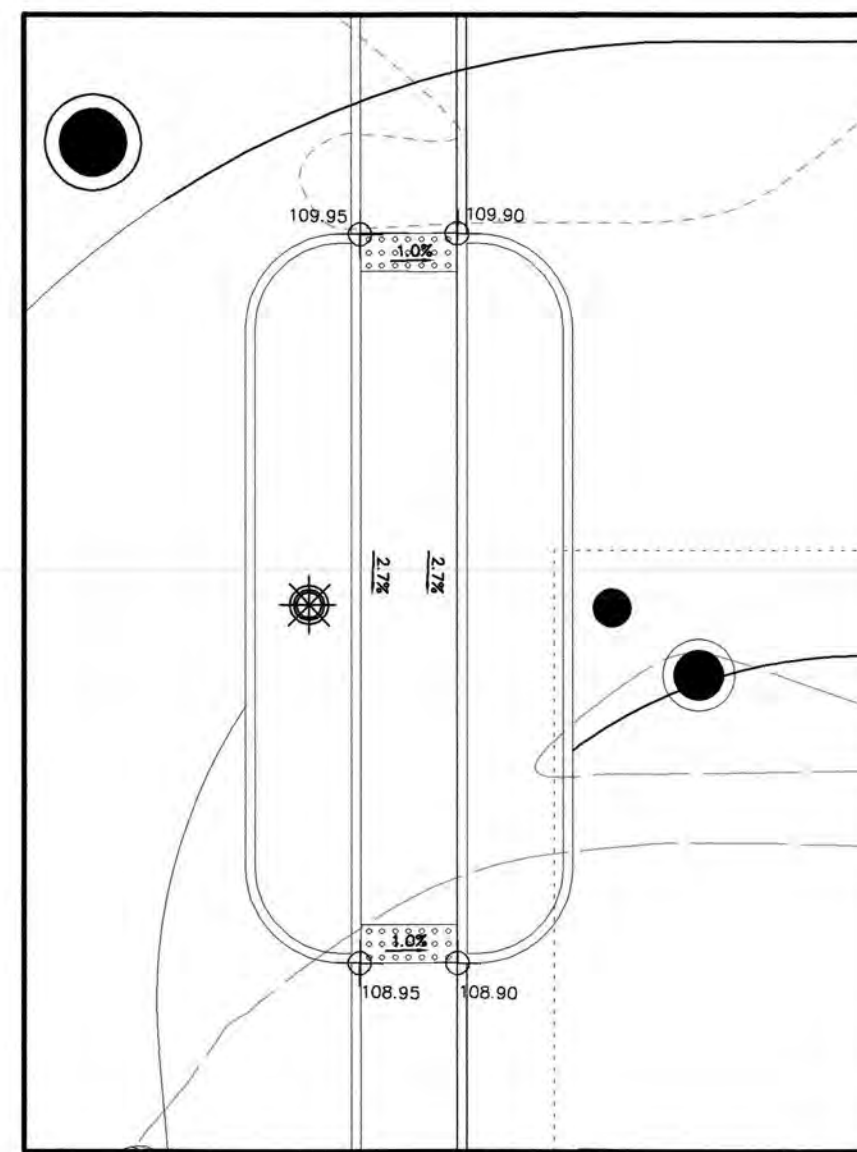




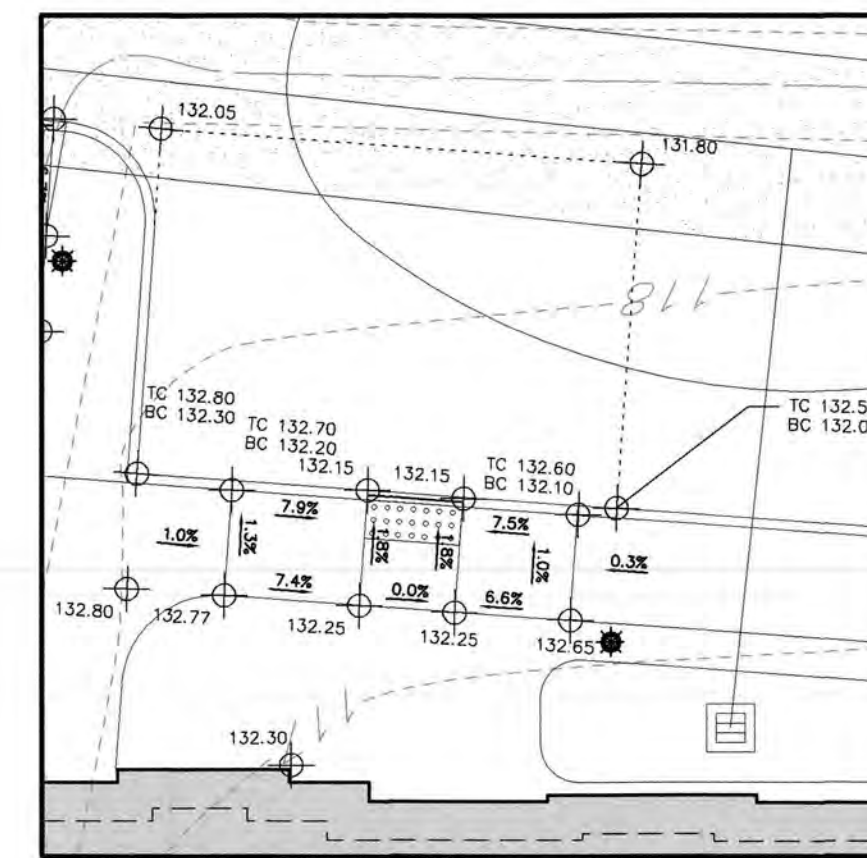
CURB RAMP DETAIL-1



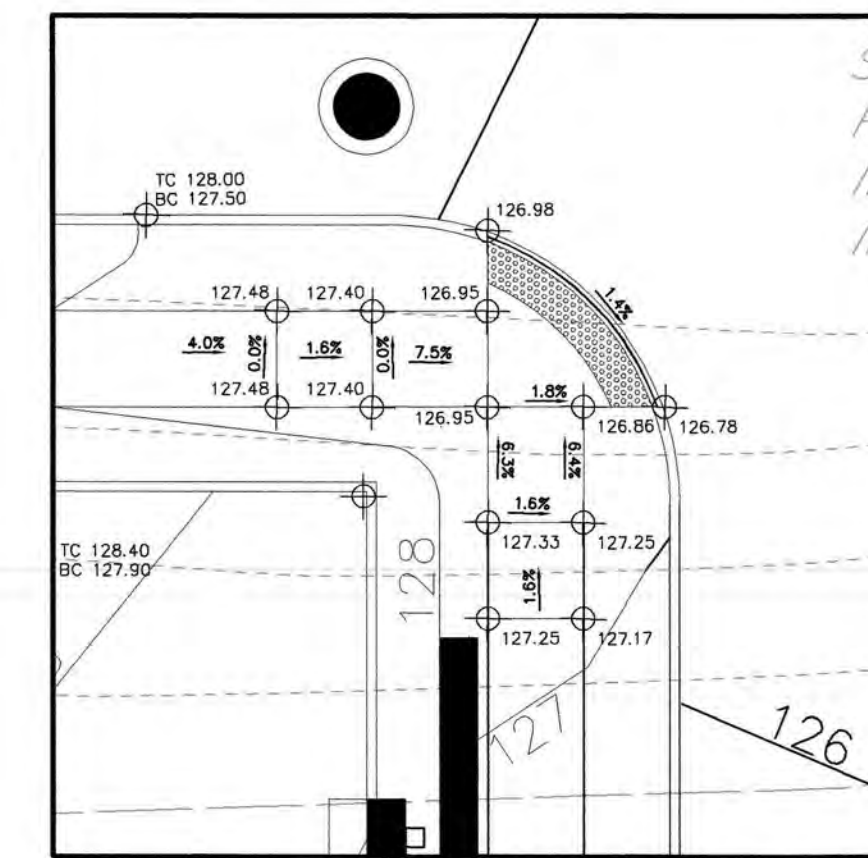
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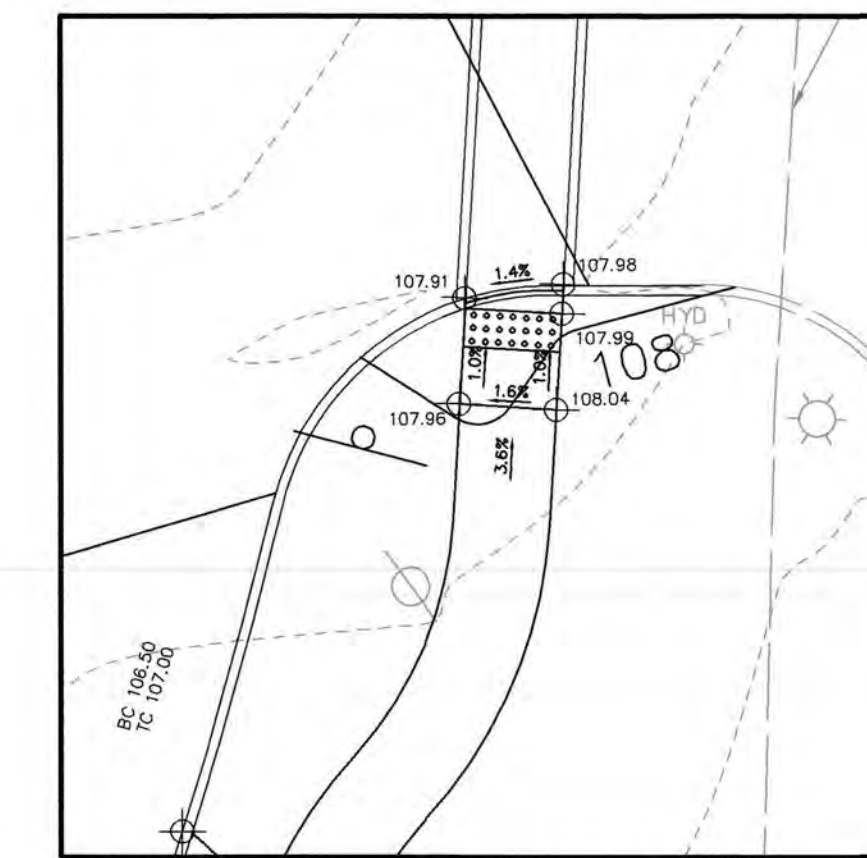
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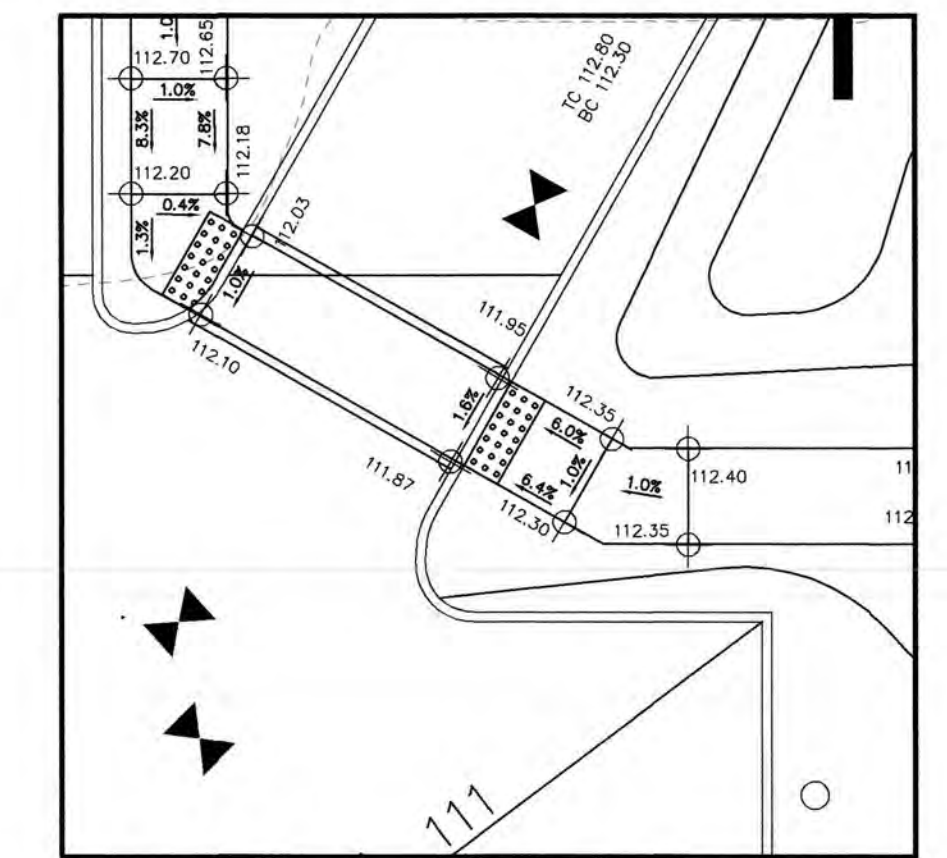
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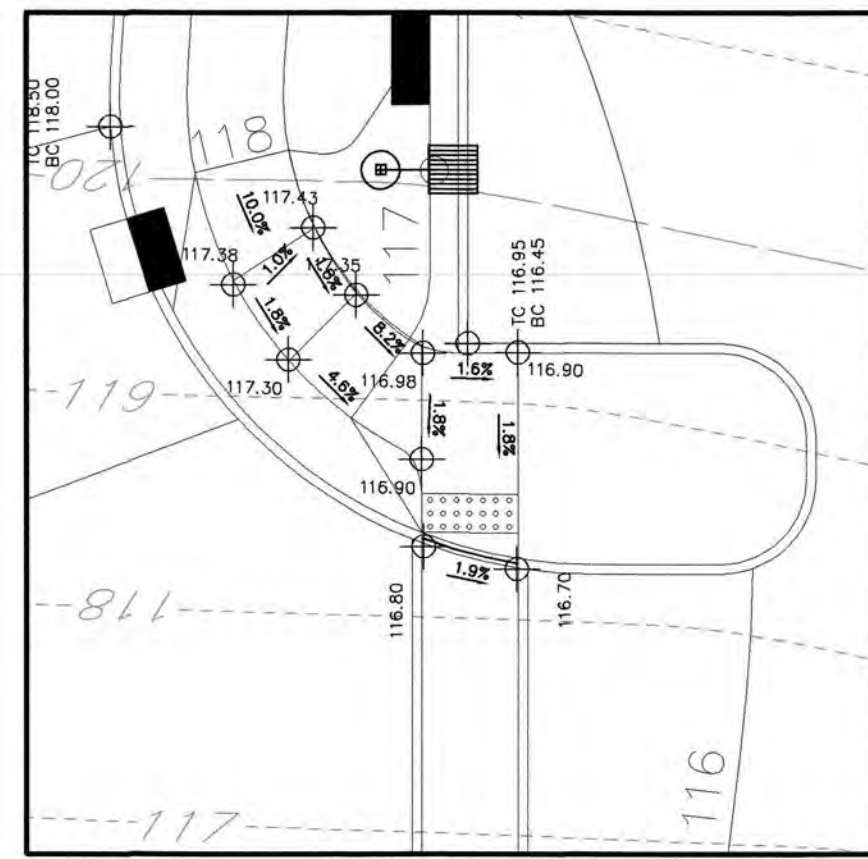
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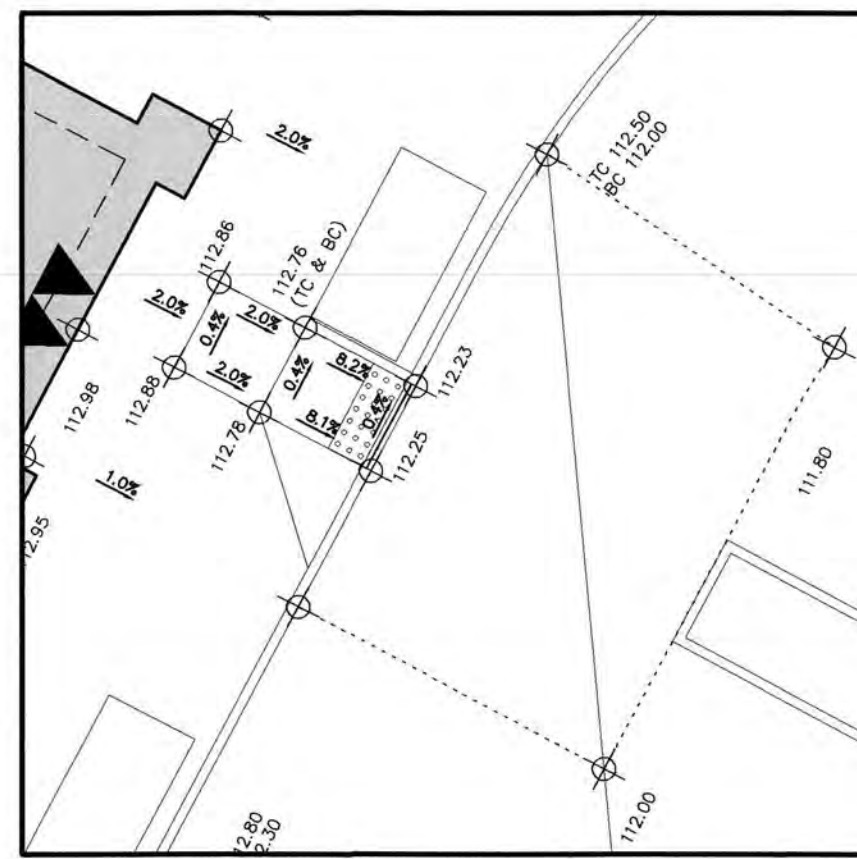
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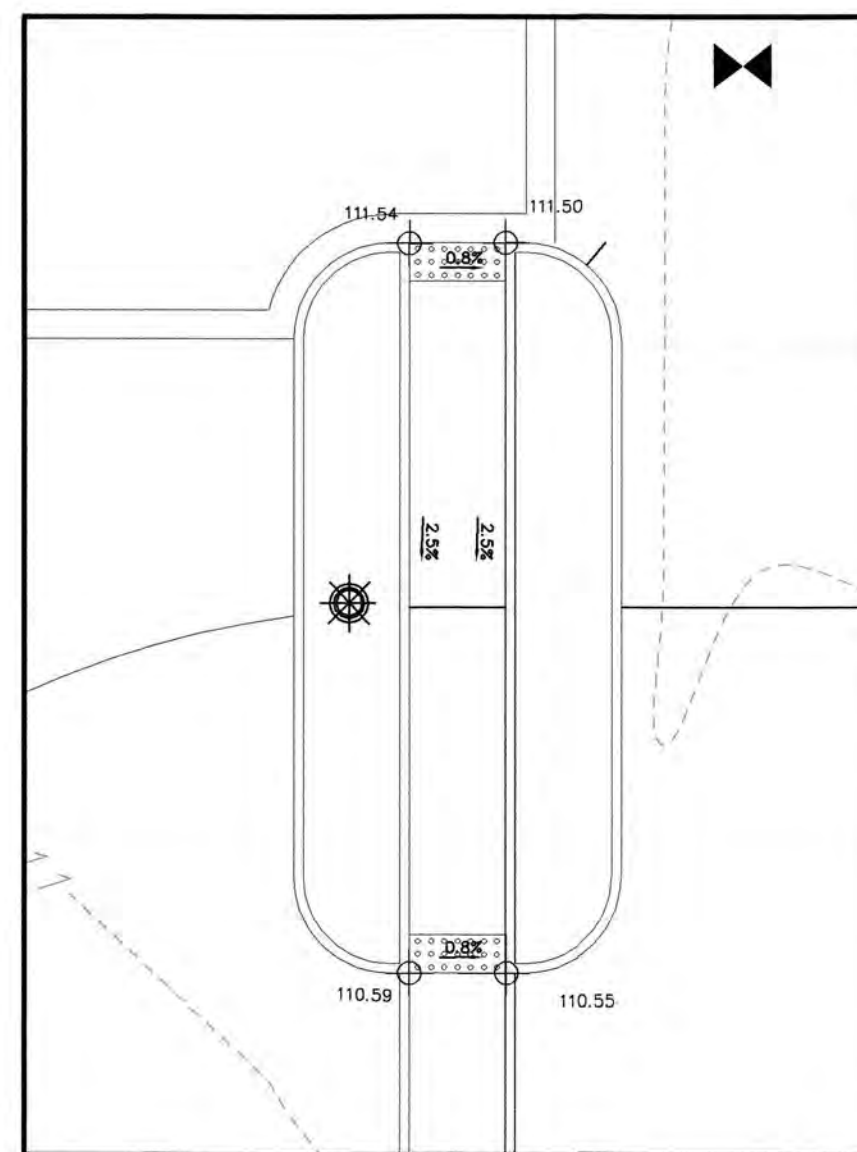
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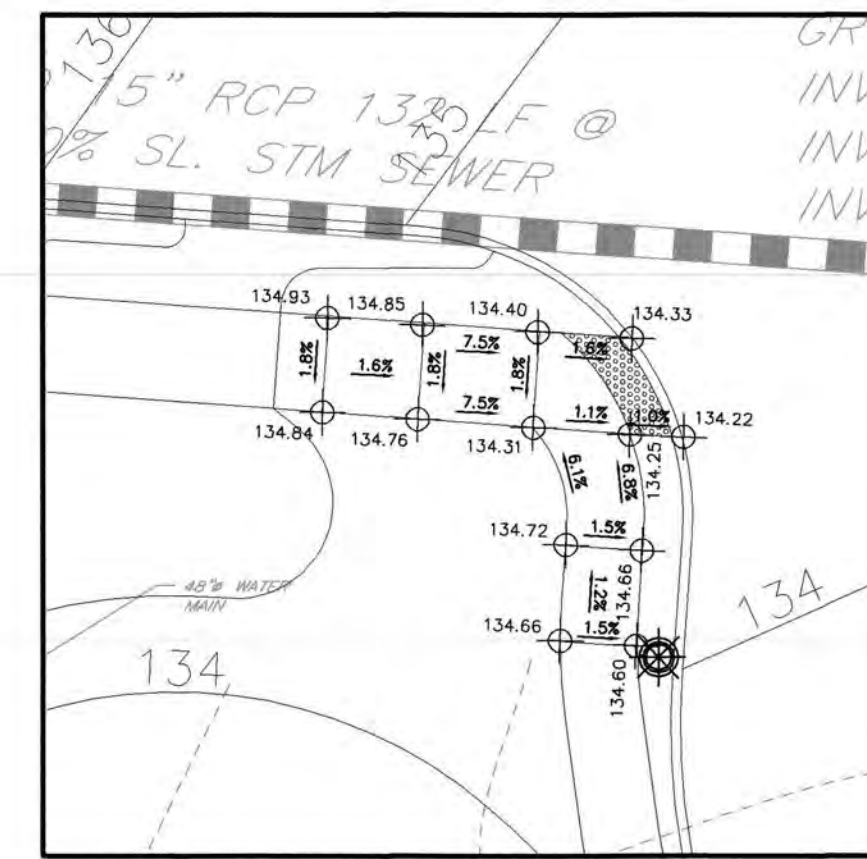
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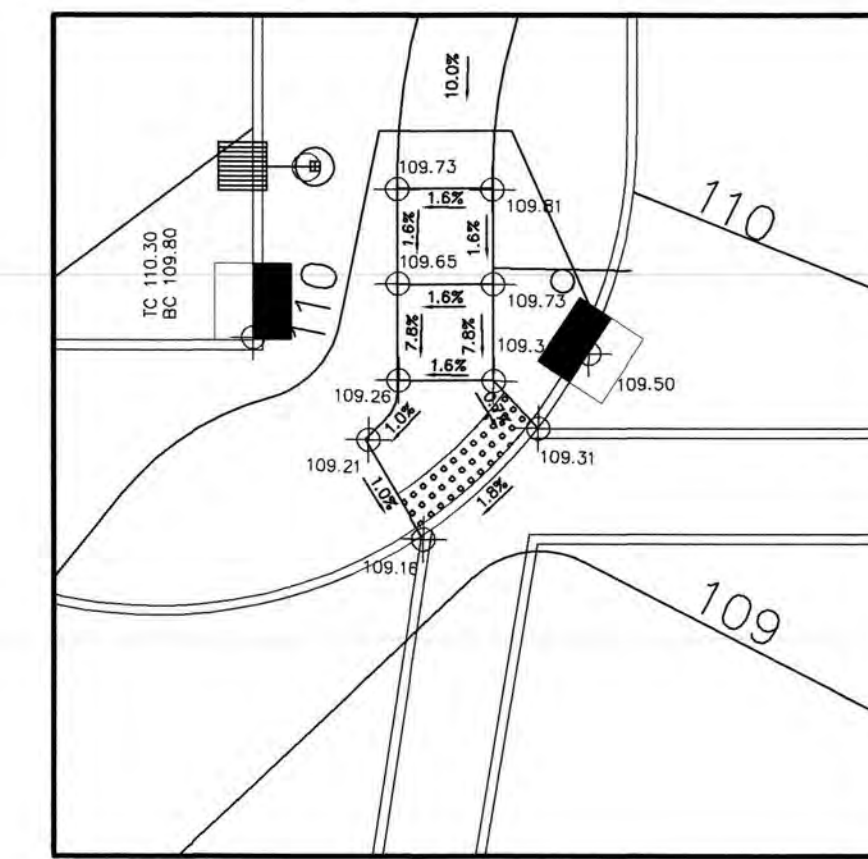
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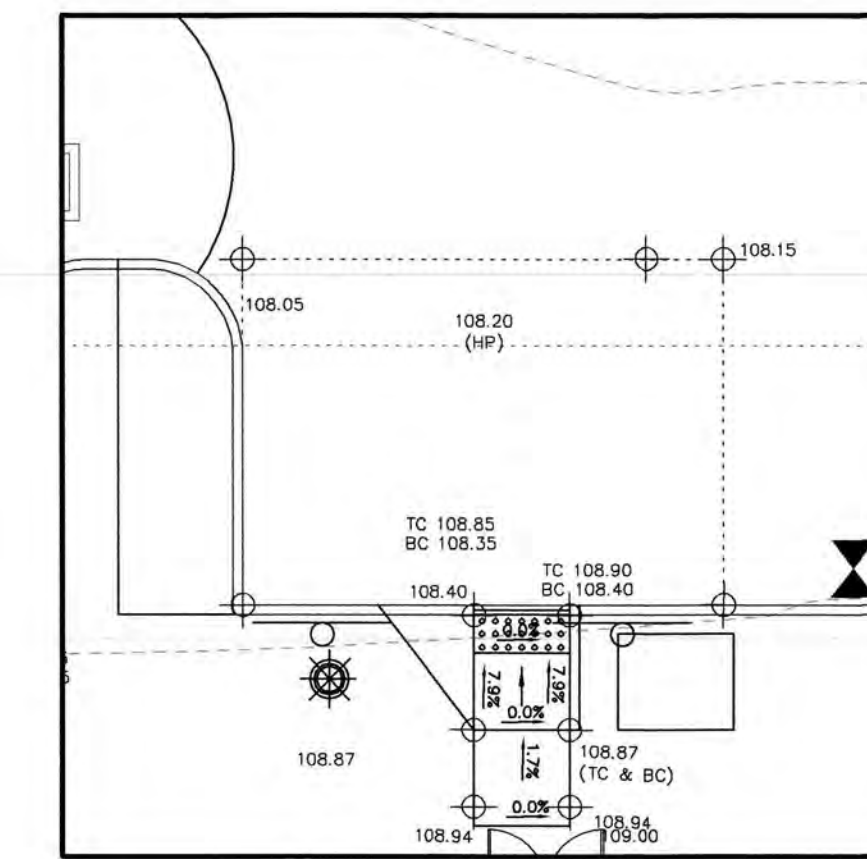
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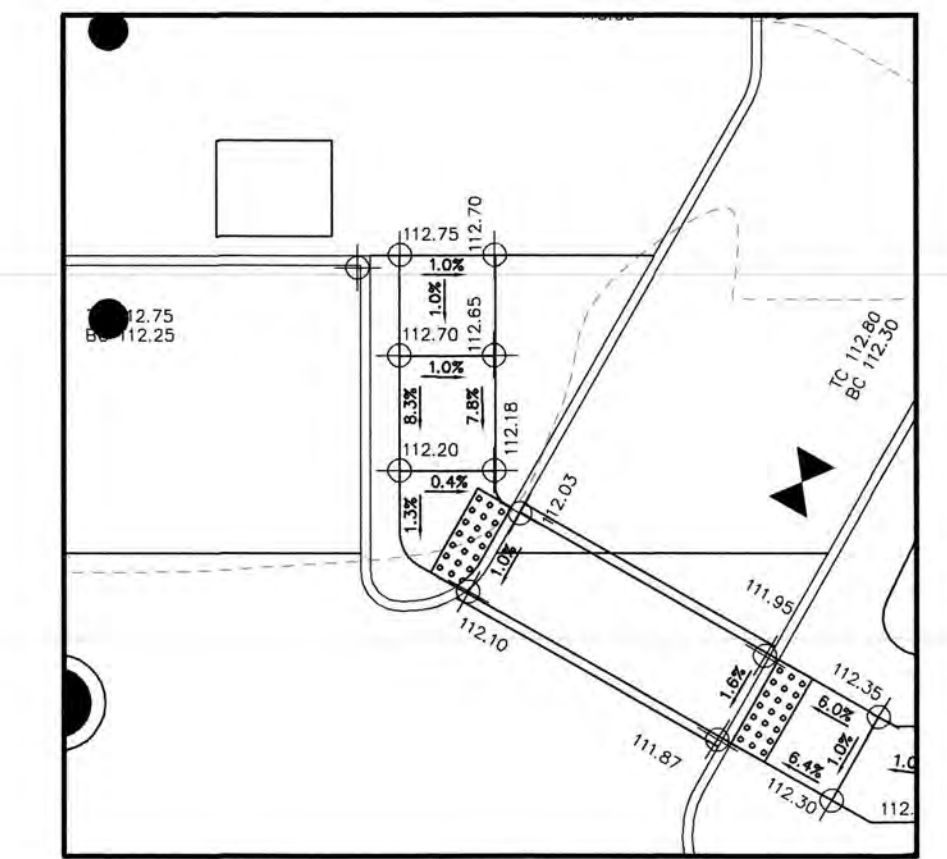
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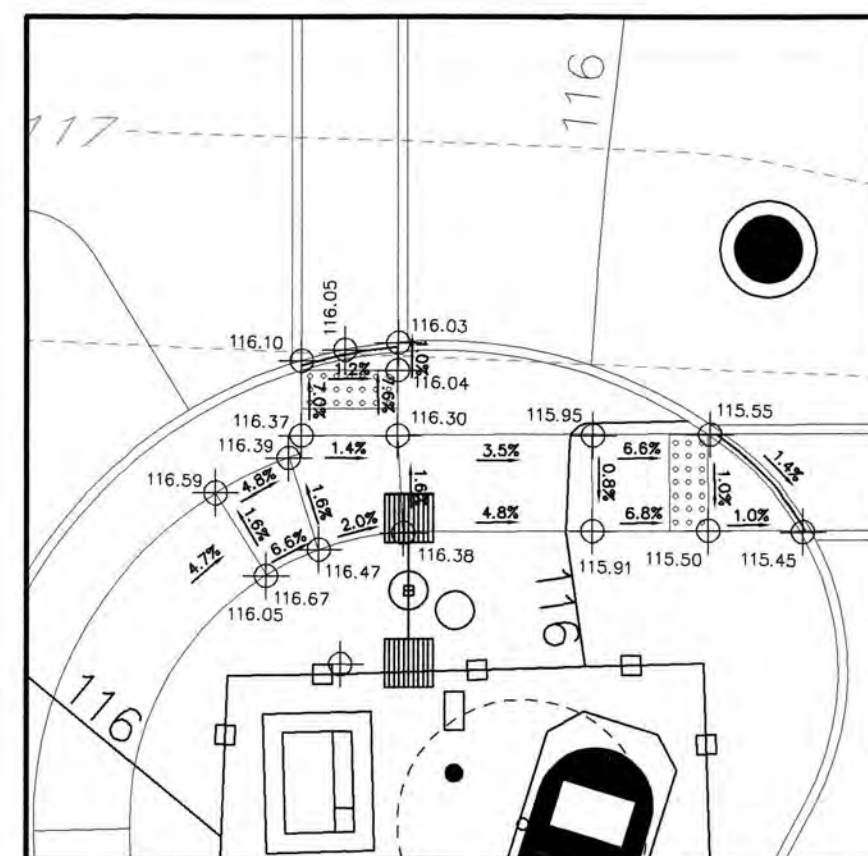
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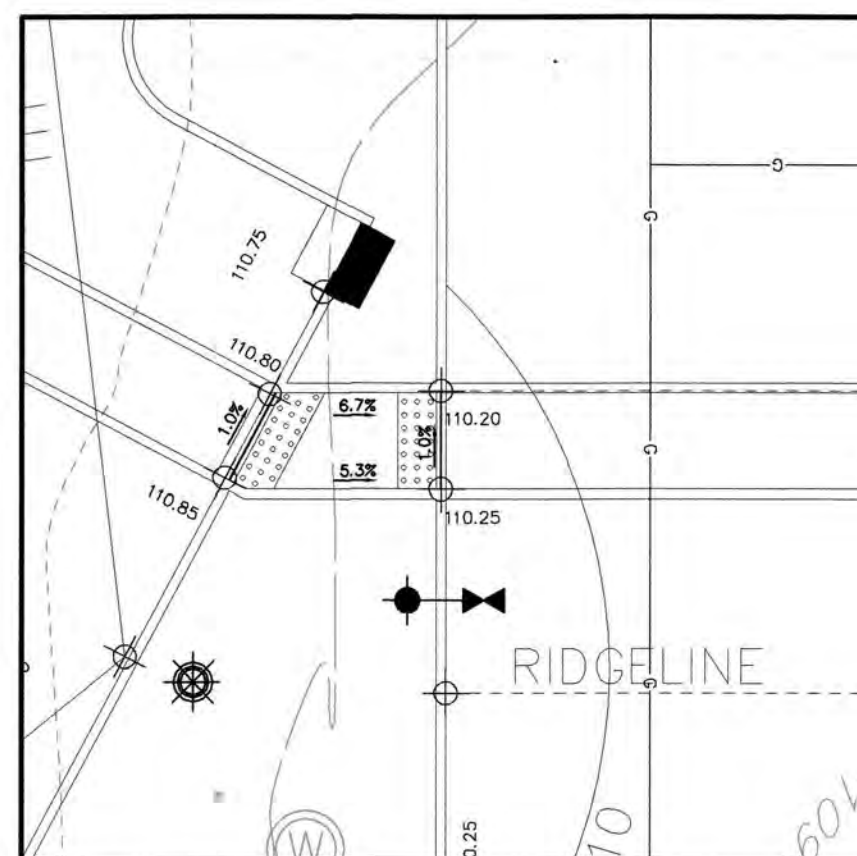
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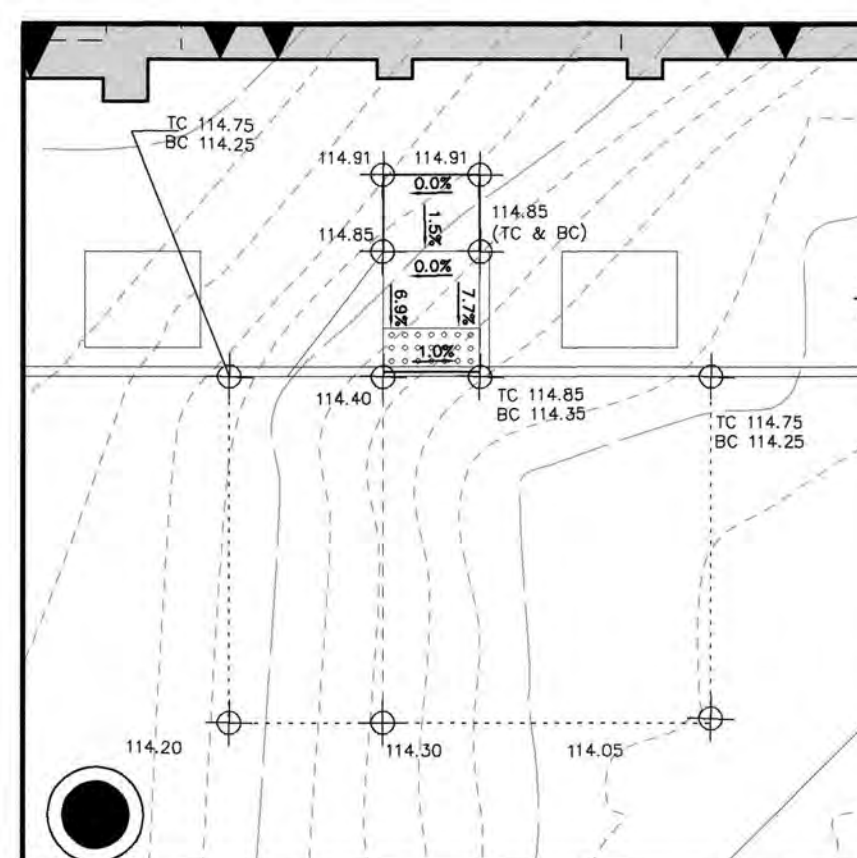
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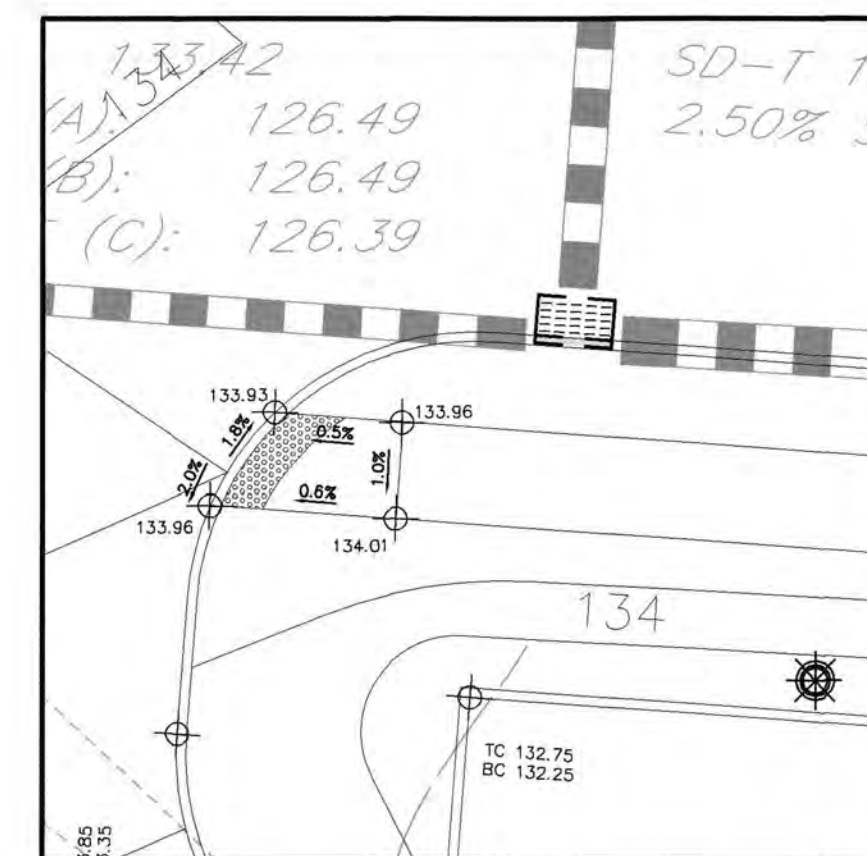
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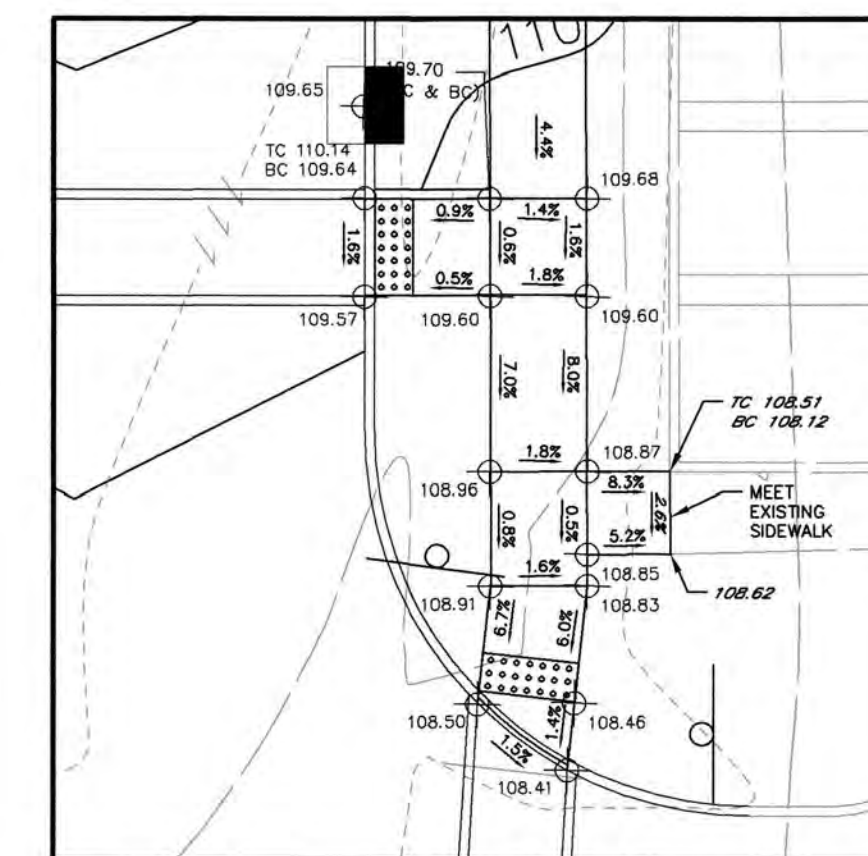
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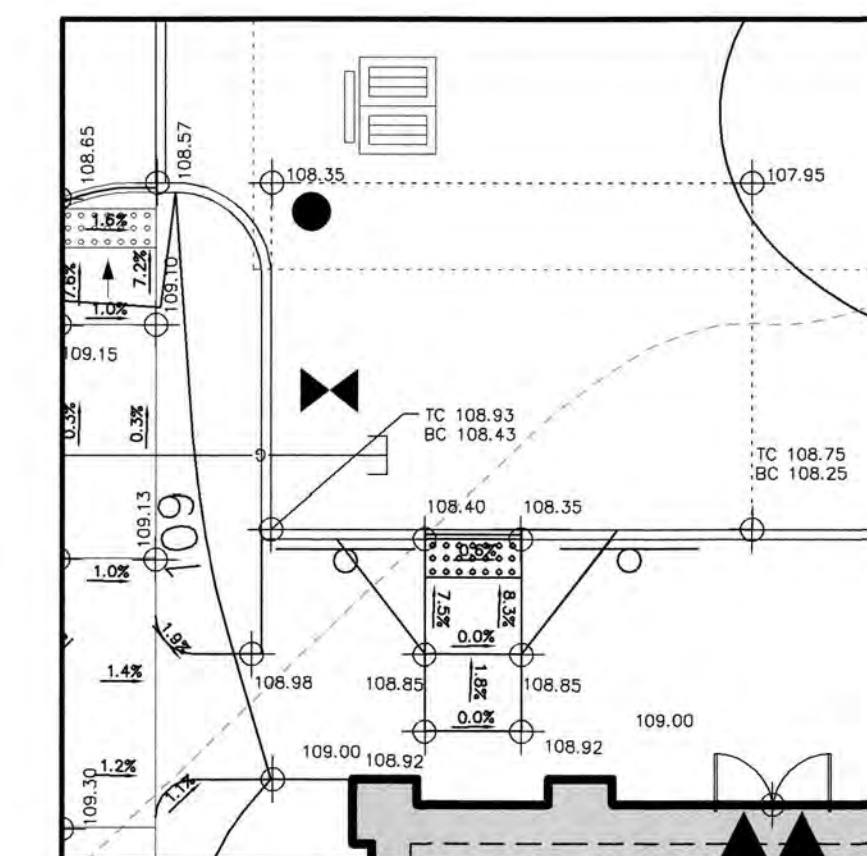
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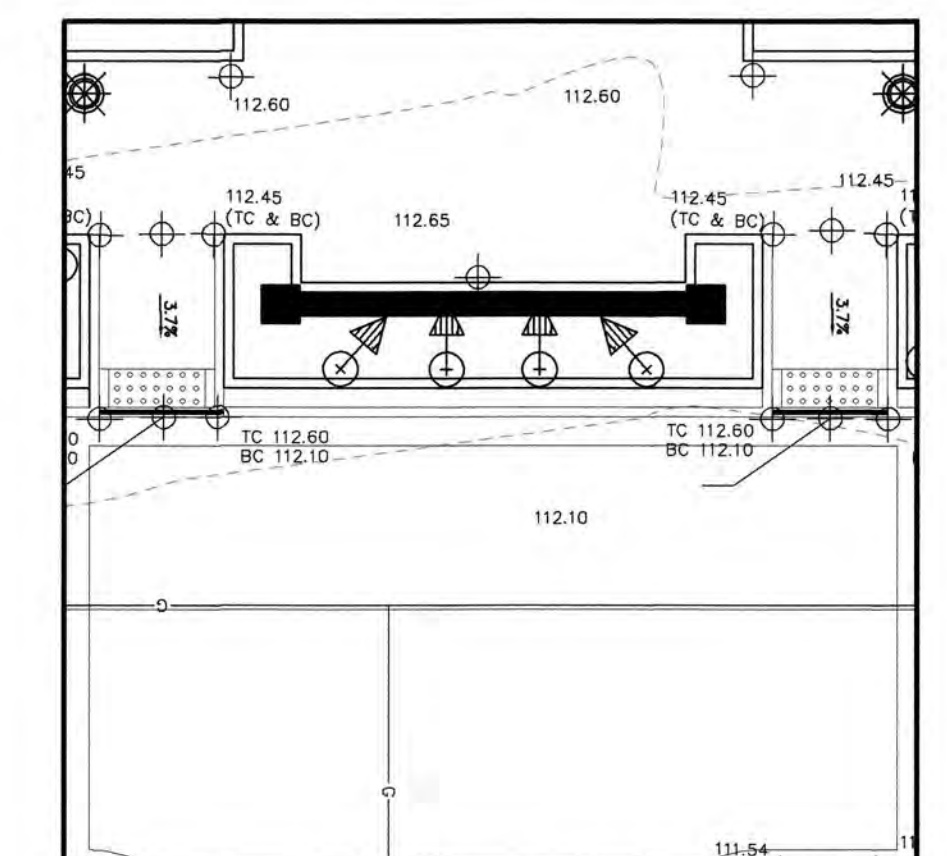
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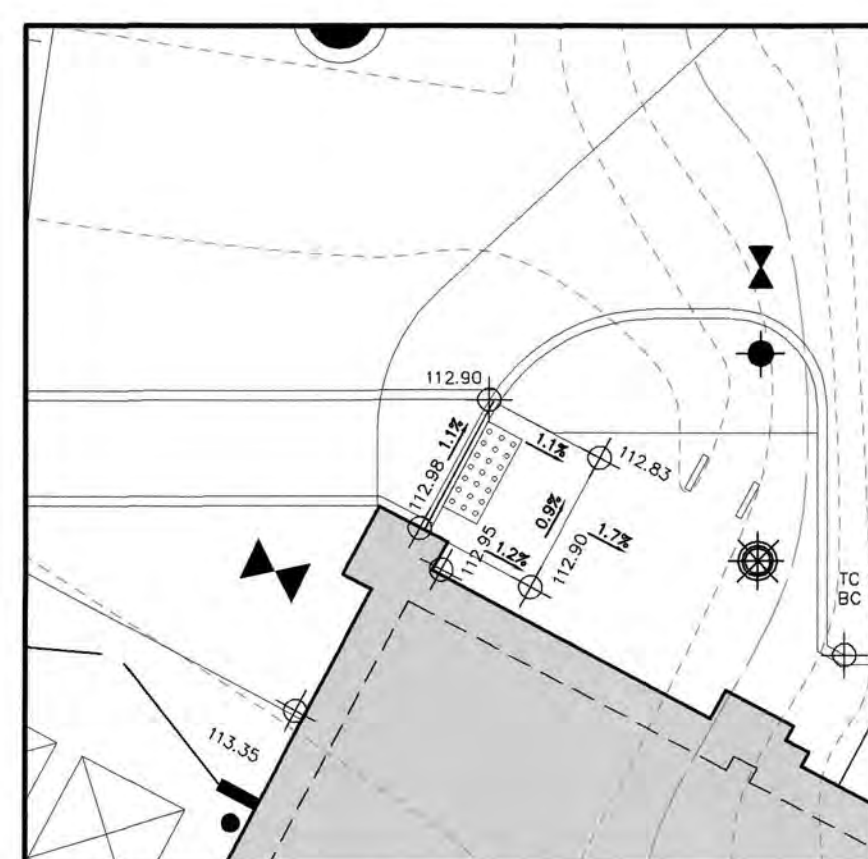
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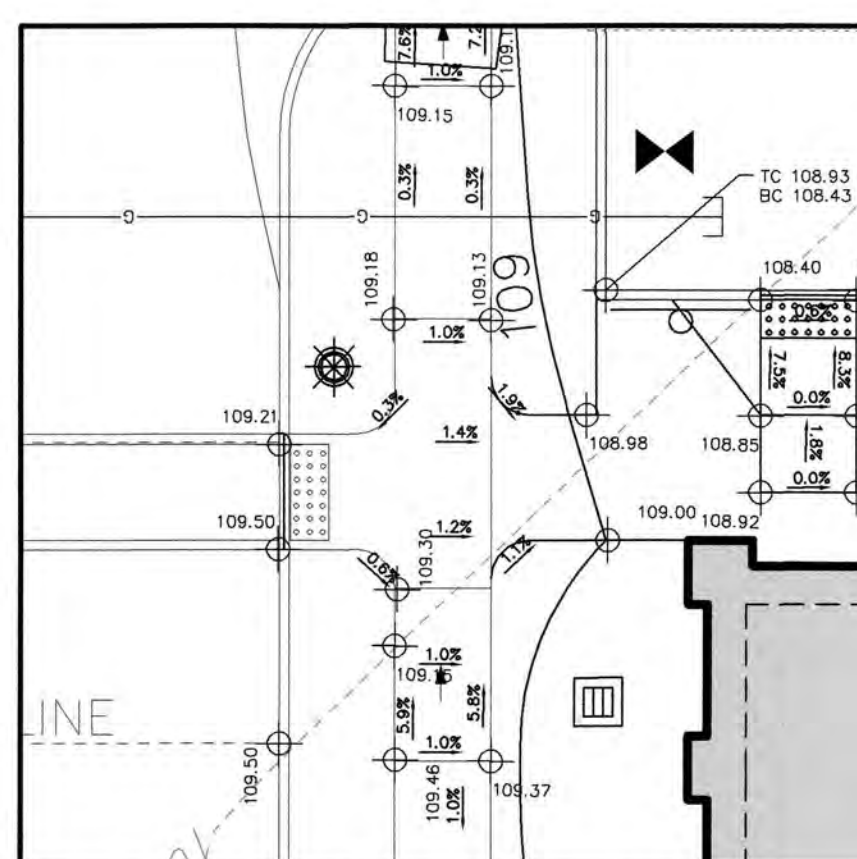
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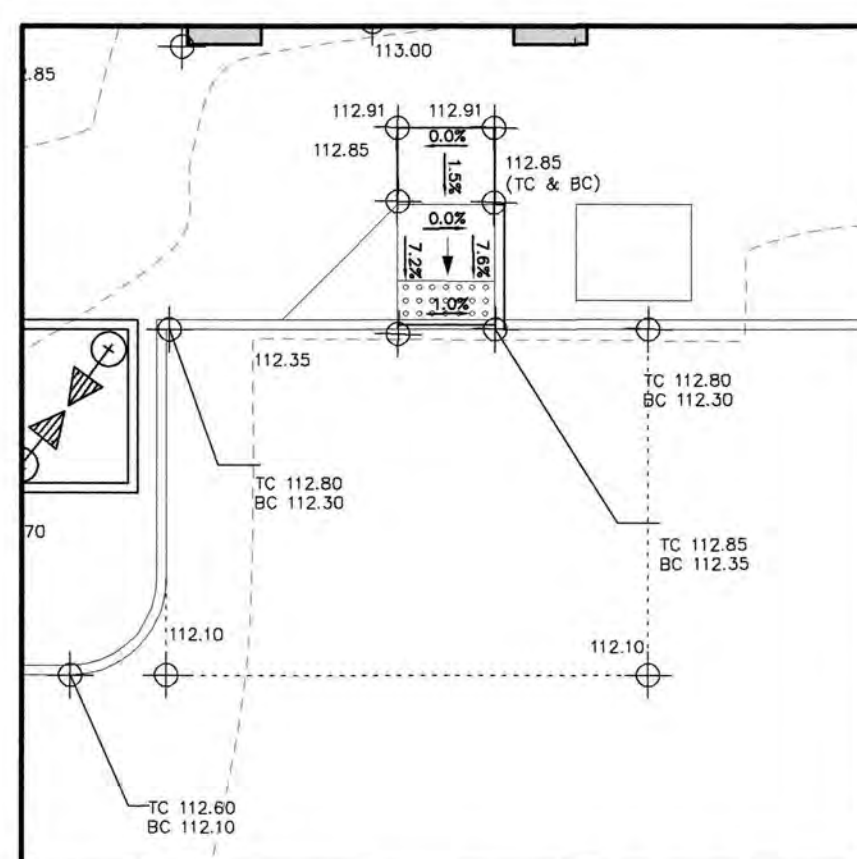
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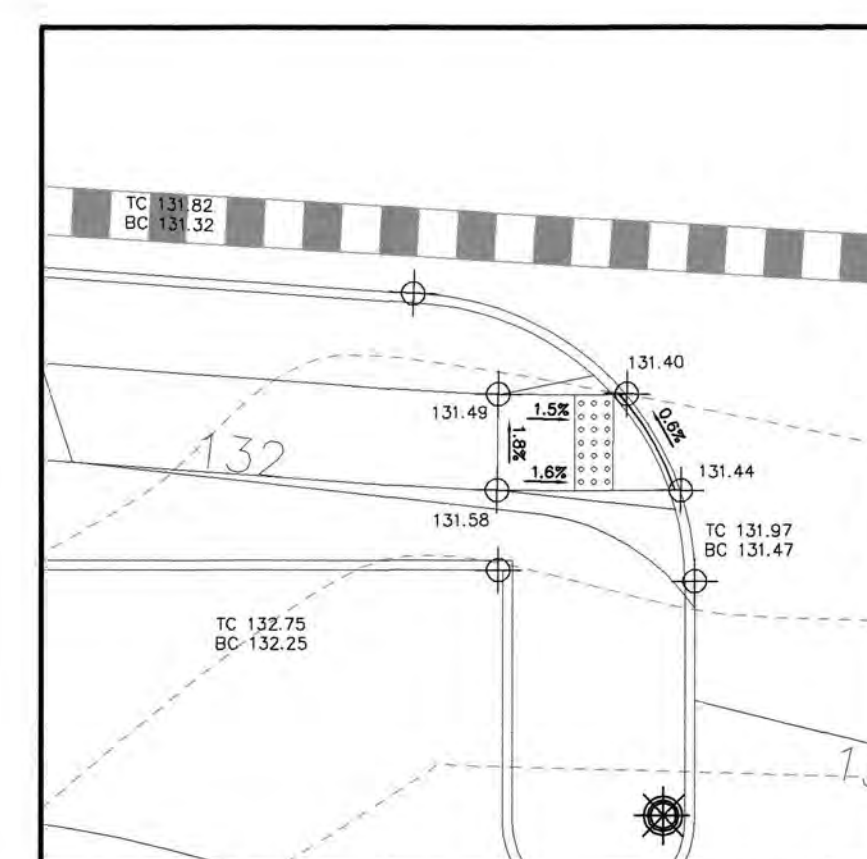
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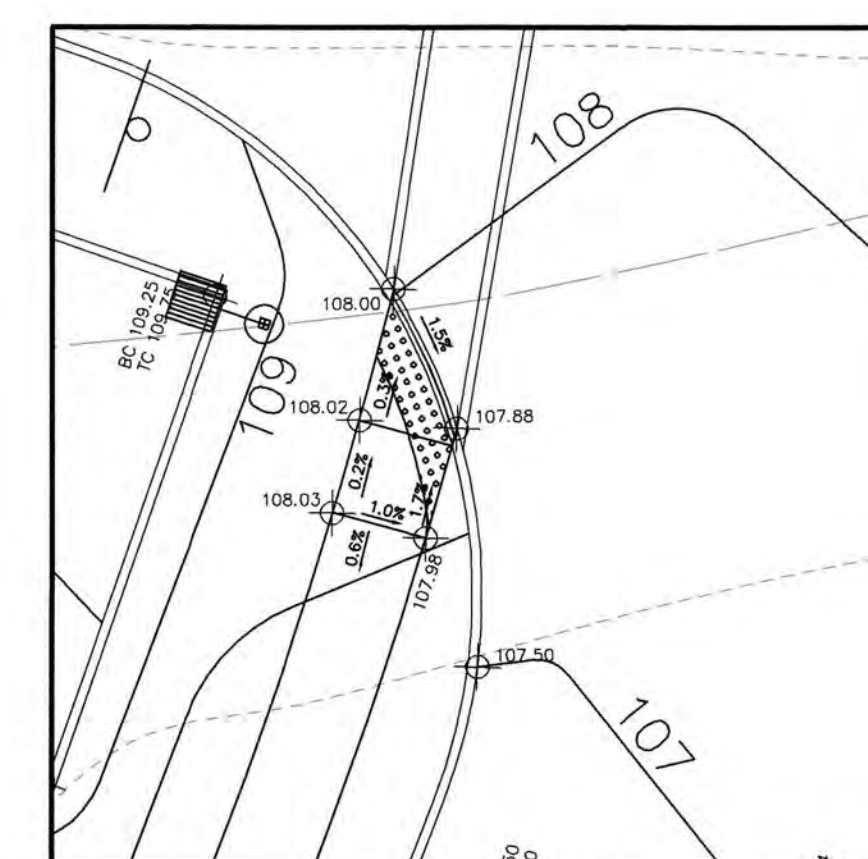
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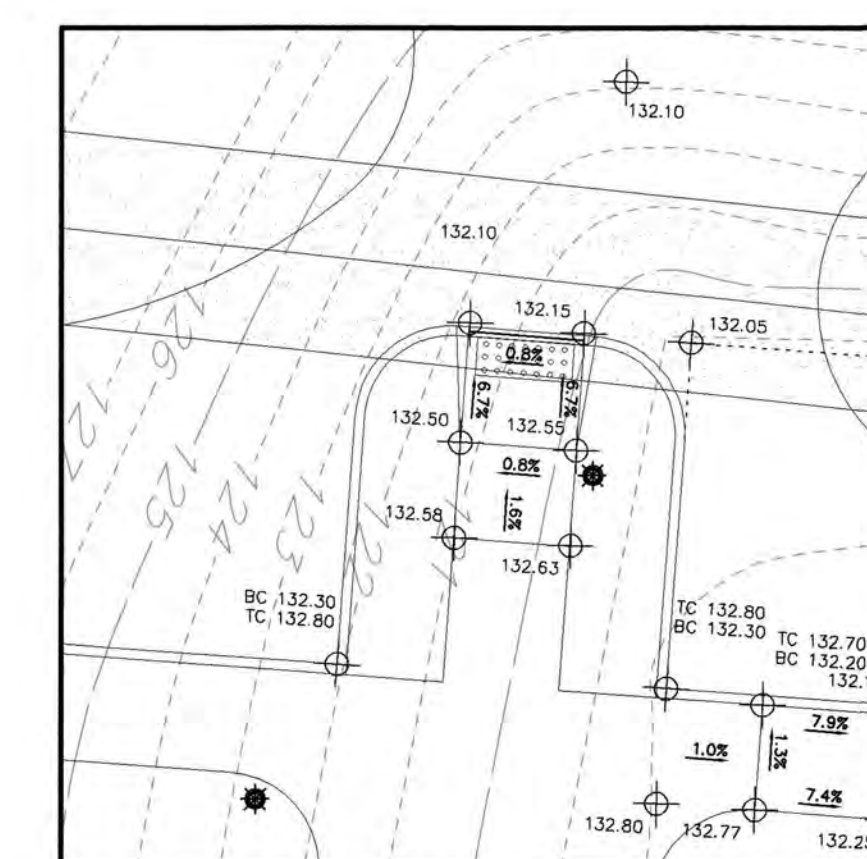
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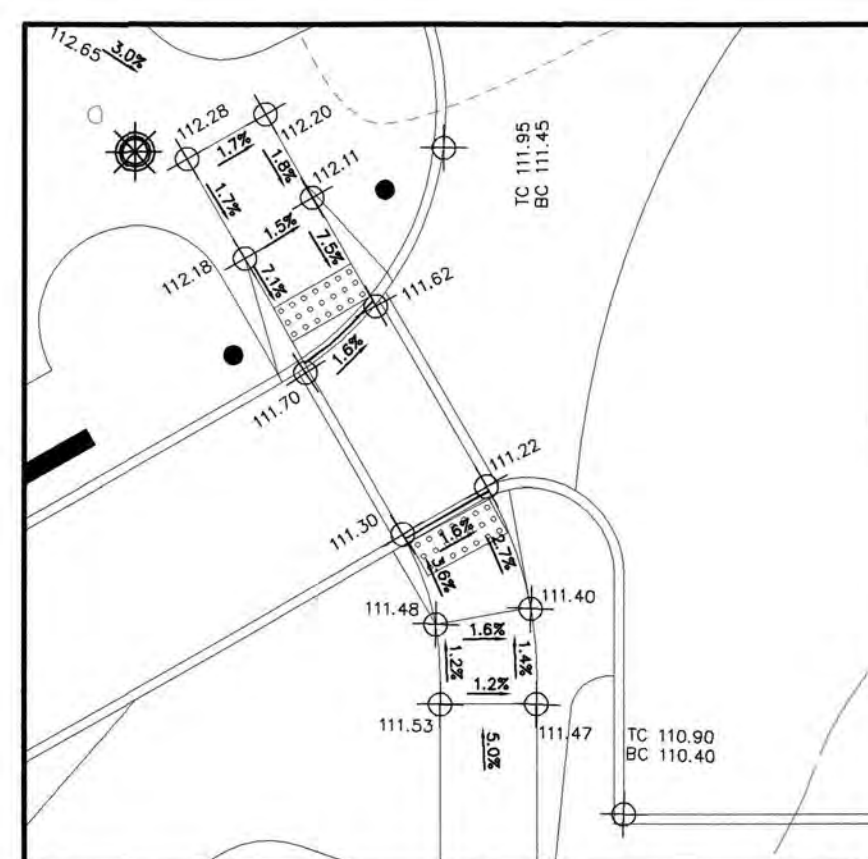
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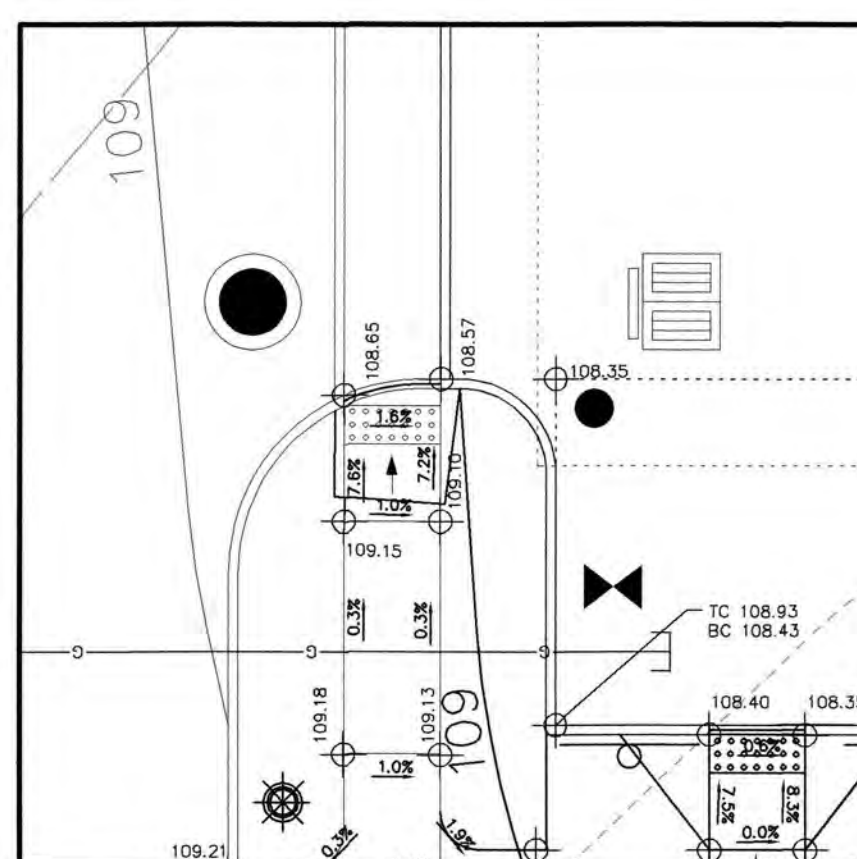
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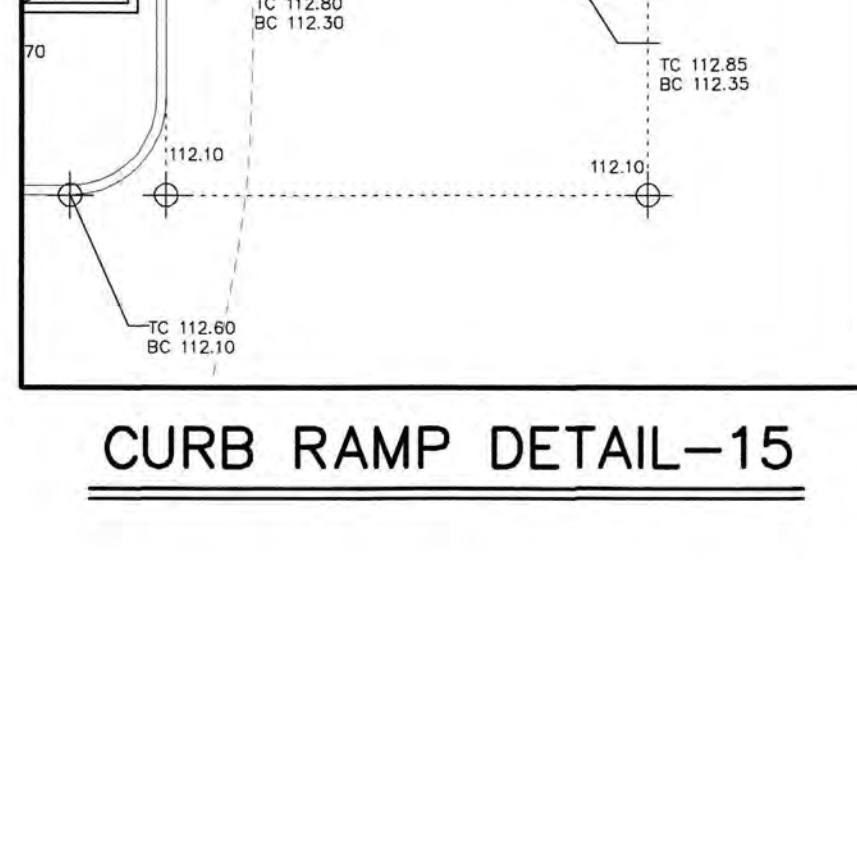
CURB RAMP DETAIL-29



CURB RAMP DETAIL-6



CURB RAMP DETAIL-11



CURB RAMP DETAIL-20

## NOTES:

- ADA RAMPS WITHIN ROUTE 206 RIGHT-OF-WAY ARE SHOWN IN DETAIL ON THE NODOT ACCESS PERMIT PLANS.
- SEE GEOMETRY PLANS FOR CURB RAMP LOCATIONS.



THE STATE OF NEW JERSEY  
NOTIFICATION BY EDUCATORS, DESIGNERS  
OR ANY PERSON PREPARING TO DISTURB THE  
EARTH'S SURFACE ANYWHERE IN THE STATE

THIS DRAWING IS FOR PERMITS PURPOSES  
ONLY - NOT FOR CONSTRUCTION UNIT.  
THIS BOX HAS BEEN CHECKED AND DATED.  
CHECKED BY: DATE:

REVISIONS  
1) RESOLUTION COMPLIANCE 2/07/20  
2) ENGINEERING REVE 08/17/20  
3) RESOLUTION COMPLIANCE 07/16/20  
4) OWNER REVE 09/25/21  
5) TOWNSHIP REVE 02/25/22

THIS WORK PREPARED UNDER MY  
IMMEDIATE SUPERVISION.  
SCOTT H. TURNER  
PROFESSIONAL ENGINEER  
N.J.E.#120427951900

**MENLO ENGINEERING ASSOCIATES, INC.**  
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PHONE: (732) 846-8585 FAX: (732) 846-9439  
CERTIFICATE OF AUTHORIZATION: 240627951900

**VILLAGE WALK at MONTGOMERY**  
MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY  
**ADA RAMP DETAILS**  
BLOCK 28007 LOTS 1, 2, 3, & 4; BLOCK 28009 LOT 4 TAX MAP SHEET:55 10.97 ACRES

DATE OF ISSUE: NOVEMBER 1, 2019  
REV 5) FEBRUARY 25, 2022

SCALE: 1"=10'  
JOB # 2015.063  
DWG # ADA-1  
SHEET # 35

