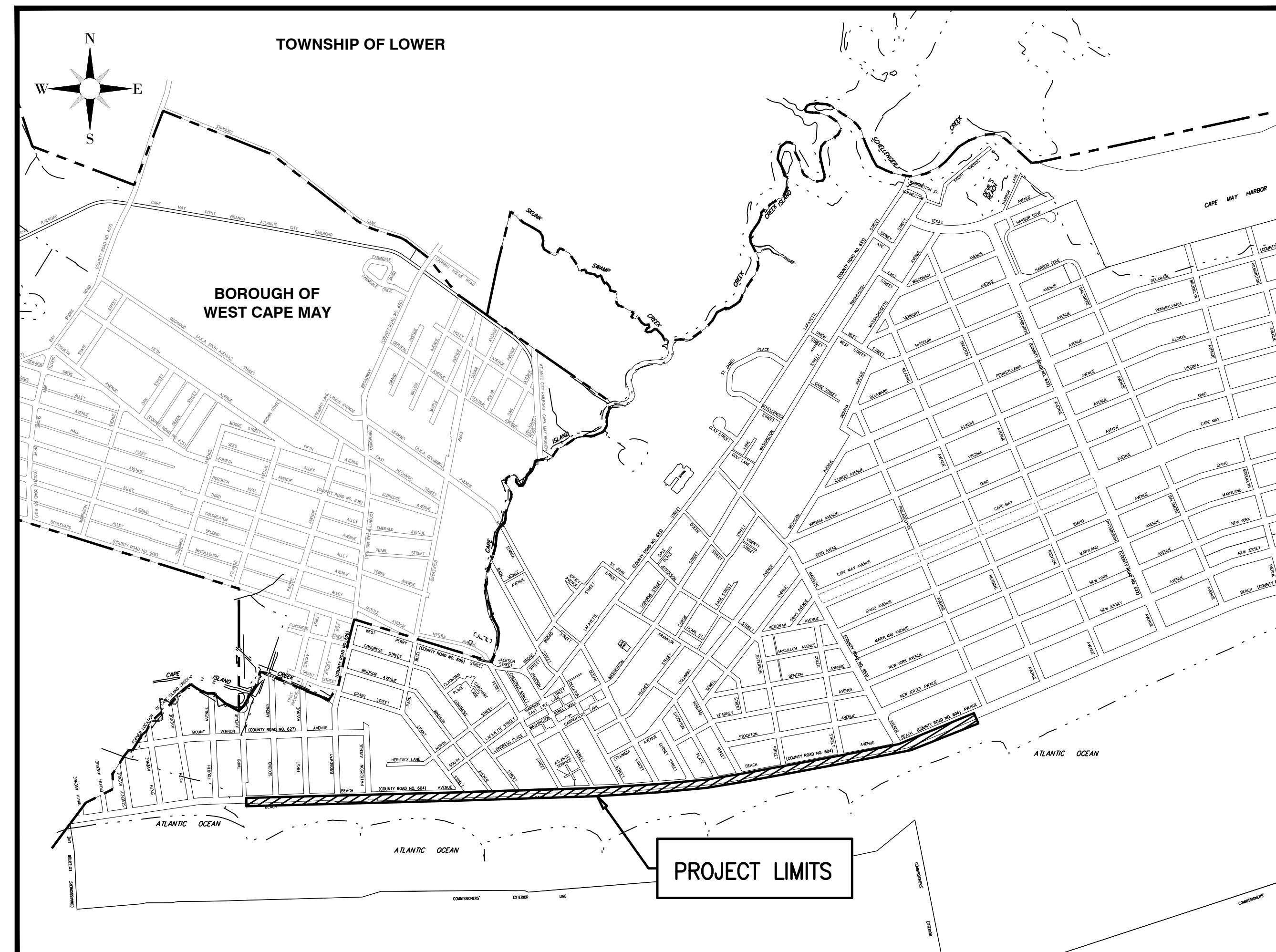


# BOARDWALK PRESERVATION FUND PROGRAM

## CAPE MAY PROMENADE IMPROVEMENTS

### (PHASE 1)

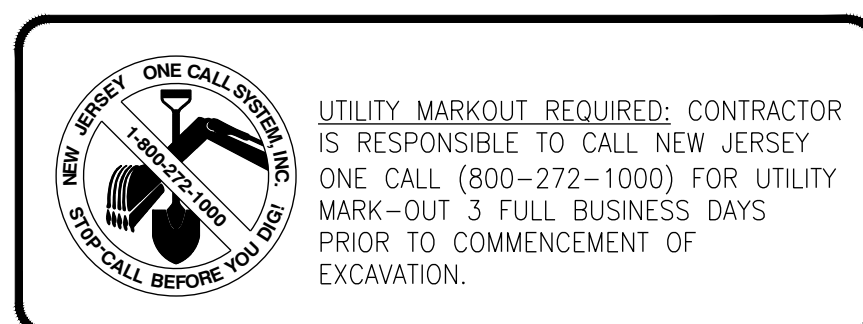
UTILITIES	
<b>PUBLIC WORKS:</b>	CITY OF CAPE MAY PUBLIC WORKS DEPARTMENT ERIC PRUSINSKI, SUPERINTENDENT 830 CANNING HOUSE LANE CAPE MAY, NJ 08204 609-884-9570
<b>SEWER:</b>	CITY OF CAPE MAY SEWER DEPARTMENT ROBERT CUMMISKEY, SUPERINTENDENT 643 WASHINGTON STREET CAPE MAY, NJ 08204 609-884-9576  CAPE MAY COUNTY M.U.A. THOMAS J. LAROCCO, P.E. 1523 ROUTE 9 NORTH CAPE MAY COURT HOUSE, NJ 08210 609-465-9026
<b>WATER:</b>	CITY OF CAPE MAY WATER DEPARTMENT ROBERT CUMMISKEY, SUPERINTENDENT 643 WASHINGTON STREET CAPE MAY, NJ 08204 609-884-9576
<b>ELECTRIC:</b>	ATLANTIC CITY ELECTRIC COMPANY KENNETH ATWOOD 420 ROUTE 9 NORTH CAPE MAY COURT HOUSE, NJ 08210 609-463-3816
<b>CABLE:</b>	COMCAST CABLE JIM FAULKNER 1846 NW BOULEVARD VINELAND, NJ 08360 800-934-6489
<b>GAS:</b>	SOUTH JERSEY GAS COMPANY JEREMIAH LIN 1708 ROUTE 9 NORTH CAPE MAY COURT HOUSE, NJ 08210 609-465-2900
<b>TELEPHONE:</b>	VERIZON ENGINEERING DEPARTMENT ERIC FUNK 10 TANSBORO ROAD BERLIN, NJ 08009 856-626-4108
<b>COUNTY ROADS:</b>	CAPE MAY COUNTY PUBLIC WORKS ROBERT CHURCH, P.E. 4 MOORE ROAD CAPE MAY COURT HOUSE, NJ 08210 609-465-1035



PROJECT LOCATION MAP

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	ESTIMATE OF QUANTITIES, NOTES & LEGEND
3	TYPICAL DEMOLITION PLAN
4 - 11	PROPOSED SURFACE IMPROVEMENTS
12 - 18	EXISTING CONCRETE SEAWALL REPAIRS
19 - 22	EXISTING ADA RAMP IMPROVEMENTS
23 - 26	CONCRETE REPAIR DETAILS & NOTES
27	TYPICAL TIMBER BULKHEAD DETAIL
28	PATTERSON AVENUE ADA TIMBER RAMP DETAIL
29 - 31	PROPOSED ADA RAMP PLAN & SECTION
32	PROPOSED ADA RAMP DETAILS
33	PROPOSED SURFACE IMPROVEMENTS (CONVENTION HALL)
34 - 35	CONSTRUCTION DETAILS
36	SOIL EROSION & SEDIMENT CONTROL PLAN
37	TRAFFIC CONTROL PLAN & DETAILS

STANDARD N.J.D.O.T. ROADWAY CONSTRUCTION-TRAFFIC CONTROL-BRIDGE CONSTRUCTION DETAILS BOOKLET, 2016 ARE APPLICABLE TO THIS PROJECT EXCEPT FOR THOSE DETAILS CONTAINED HEREIN.



# CITY OF CAPE MAY

## CAPE MAY COUNTY, NEW JERSEY

2019 N.J.D.O.T. STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN

**TITLE SHEET**

**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 240A28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
DH/MWA	MWA	MAD	01/21/2025

*Man DeBlasio* 1/21/2025  
MARC A. DEBLASIO, P.E. DATE  
New Jersey License No. 41599

Scale:	Job No.:	Sheet No.:	Total:
AS NOTED	24M-C-023	1	37

NO.	DATE	APPR.	REVISION

COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.



# ESTIMATE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	PLAN QUANTITY	IF & WHERE DIRECTED	CONTRACT QUANTITY	AS-BUILT QUANTITY
1	MAINTENANCE AND PROTECTION OF TRAFFIC	LUMP SUM	LUMP SUM	0	LUMP SUM	
2	FUEL PRICE ADJUSTMENT	DOLLAR	3,000	0	3,000	
3	ASPHALT PRICE ADJUSTMENT	DOLLAR	5,000	0	5,000	
4	CLEARING SITE	LUMP SUM	LUMP SUM	0	LUMP SUM	
5	DENSE GRADED AGGREGATE BASE COURSE, BACKFILL	C.Y.	1,244	56	1,300	
6	HMA MILLING, 0 TO 3" DEPTH	S.Y.	12,960	240	13,200	
7	HOT MIX ASPHALT BASE COURSE, MIX 19M64, 6" THICK	TON	274	26	300	
8	HOT MIX ASPHALT SURFACE COURSE, MIX 9.5M64, 2" THICK	TON	1,610	190	1,800	
9	ASPHALT SOLAR REFLECTIVE COATING	S.Y.	15,375	125	15,500	
10	INLET FILTERS, TYPE 1	S.F.	375	25	400	
11	DETECTABLE WARNING SURFACES	S.Y.	10	2	12	
12	TIMBER BULKHEAD - COMPLETE	L.F.	1,025	25	1,050	
13	PATTERSON AVENUE ADA ACCESS RAMP, FURNISH & INSTALL	LUMP SUM	LUMP SUM	0	LUMP SUM	
14	BENCHES, INSTALL	UNIT	352	0	352	
15	TRASH RECEPTACLE, FURNISH AND INSTALL	UNIT	23	2	25	
16	RECYCLING RECEPTACLE, FURNISH AND INSTALL	UNIT	23	2	25	
17	HOT MIX ASPHALT BASE COURSE, MIX 19M64, 4" THICK	TON	240	25	265	
18	EXCAVATION, UNCLASSIFIED	C.Y.	50	10	60	
19	PROPOSED ADA ACCESS RAMP AT SECOND AVENUE	LUMP SUM	LUMP SUM	0	LUMP SUM	
20	PROPOSED ADA ACCESS RAMP AT FIRST AVENUE	LUMP SUM	LUMP SUM	0	LUMP SUM	
21	PROPOSED ADA ACCESS RAMP AT QUEEN STREET	LUMP SUM	LUMP SUM	0	LUMP SUM	
22	PROPOSED ADA ACCESS RAMP AT STA. 82+50	LUMP SUM	LUMP SUM	0	LUMP SUM	
23	TWO(2) 4" DIA. UNDERGROUND CONDUITS, SCHEDULE 80 PVC	L.F.	3,552	148	3,700	
24	UNDERGROUND HANDHOLE ENCLOSURE, 24"X24"X24"	UNIT	12	3	15	
C1	CONCRETE WALL REPAIR SPECIFICATION 1 - SHALLOW HORIZONTAL REPAIR (1/2" TO 3" DEEP RANGE)	S.F./IN.	1,488	112	1,600	
C2	CONCRETE WALL REPAIR SPECIFICATION 2A - DEEP HORIZONTAL REPAIR (3" TO 5" DEEP RANGE)	S.F./IN.	936	114	1,050	
C3	CONCRETE WALL REPAIR SPECIFICATION 2B - DEEP HORIZONTAL REPAIR (5" TO 8" DEEP RANGE)	S.F./IN.	14	36	50	
C4	CONCRETE WALL REPAIR SPECIFICATION 3A - FORM AND POUR REPAIR (1" TO 3" DEEP RANGE) (IF & WHERE DIRECTED)	S.F./IN.	0	400	400	
C5	CONCRETE WALL REPAIR SPECIFICATION 3B - FORM AND POUR REPAIR (3" TO 8" DEEP RANGE) (IF & WHERE DIRECTED)	S.F./IN.	0	1,266	1,266	
C6	CONCRETE WALL REPAIR SPECIFICATION 4A - SHOTCRETE REPAIR (1" TO 3" DEEP RANGE)	S.F./IN.	783	92	875	
C7	CONCRETE WALL REPAIR SPECIFICATION 4B - SHOTCRETE REPAIR (3" TO 8" DEEP RANGE)	S.F./IN.	5,021	479	5,500	
C8	CONCRETE WALL REPAIR SPECIFICATION 5 - VERTICAL SKIM COAT REPAIR (1/4" TO 1" DEEP RANGE)	S.F./IN.	3,977	398	4,375	
C9	CONCRETE WALL REPAIR SPECIFICATION 6 - VERTICAL HAND PATCH REPAIR (1" TO 3" DEEP RANGE)	S.F./IN.	818	82	900	
C10	CONCRETE WALL REPAIR SPECIFICATION 7 - VERTICAL CRACK SEALANT REPAIR - 1/2" WIDE X 1/2" DEEP	L.F.	312	13	325	
C11	CONCRETE WALL REPAIR SPECIFICATION 8 - HORIZONTAL CRACK EPOXY INJECTION REPAIR	L.F.	1,436	64	1,500	
C12	CONCRETE WALL REPAIR SPECIFICATION 9 - HOLE REPAIR	UNIT	3,195	55	3,250	
C13	FIRST TWO COATS OF SOLVENT BASED SOLID COLOR CONCRETE SEALER (SBSCCS)	S.F.	41,254	746	42,000	
C14	THIRD COAT OF SOLVENT BASED SOLID COLOR CONCRETE SEALER (SBSCCS) (IF & WHERE DIRECTED)	S.F.	0	15,000	15,000	
C15	SAFETY YELLOW COATINGS	S.F.	3,234	166	3,400	
C16	CONCRETE PENETRATING SEALER	S.F.	4,940	166	5,106	
C17	CUT THROUGH EXISTING REBAR AT WALL/STEP INTERFACE	UNIT	11	0	11	
C18	ABRASIVE BLASTING AND CONTAINMENT/COLLECTION/DISPOSAL	LUMP SUM	LUMP SUM	0	LUMP SUM	
D1	DETAIL 1 - CORNER REPAIR	UNIT	32	3	35	
D2	DETAIL 2 - CURB REPAIR	L.F.	4,666	134	4,800	
D3	DETAIL 3 - END REPAIR 1	L.F.	2	8	10	
D4	DETAIL 4 - END REPAIR 2	L.F.	4	6	10	
D5	NO ITEM	0	0	0	0	
D6	DETAIL 6 - WALL SEGMENT REPAIR	L.F.	19	6	25	
D7	DETAIL 7 - REINFORCED CONCRETE SLAB, 6" THICK	S.F.	5,440	160	5,600	
D8	DETAIL 8 - EXPANSION JOINT	L.F.	1,074	126	1,200	
D9	DETAIL 9 - WALL REPAIR 1	L.F.	66	9	75	
D10	DETAIL 10 - WALL REPAIR 2	L.F.	73	27	100	
D11	DETAIL 11 - WALL REPAIR 3	L.F.	42	8	50	
D12	DETAIL 12 - WALL REPAIR 4	L.F.	22	8	30	
D13	DETAIL 13 - WALL REPAIR 5	L.F.	41	9	50	
D14	DETAIL 14 - WALL REPAIR 6	L.F.	38	12	50	
<b>ADD ALTERNATE BID NO. 1</b>						
A1	CUMARU DECKING & STAINLESS STEEL FASTENERS AT CONVENTION HALL, FURNISH AND INSTALL	S.F.	7,400	200	7,600	

## LEGEND

EXISTING	PROPOSED

## GENERAL NOTES

- SITE CONSTRUCTION TO BE IN ACCORDANCE WITH NEW JERSEY STATE DEPARTMENT OF TRANSPORTATION STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 (LATEST ADDENDUM), WHICH SHALL GOVERN. 2016 STANDARD CONSTRUCTION DETAILS - ROADWAY - TRAFFIC CONTROL - BRIDGE ARE APPLICABLE TO THIS PROJECT EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. CONTRACTOR SHALL VERIFY THE LOCATION OF ANY UNDERGROUND ELECTRICAL CONDUIT AND IDENTIFY SAME PRIOR TO STARTING ANY EXCAVATION. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE TOWNSHIP, COUNTY, AND STATE AND SHALL PAY ALL FEES, INCLUDING THE INSPECTION FEES, AND IN GENERAL SHALL PROCURE ALL REQUIRED PERMITS, LICENSES, INSPECTIONS, PAY ALL CHARGES AND FEES, AND GIVE NOTICES NECESSARY FOR AND INCIDENTAL TO THE DUE AND LAWFUL PROSECUTION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING THE PAVING, TOPSOIL, FERTILIZING AND SEEDING ALL AREAS DISTURBED BY HIS ACTIVITIES. INSPECTION OF, OR FAILURE TO INSPECT ANY MATERIALS OR WORKMANSHIP, SHALL IN NO WAY RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM THE WORK IN ACCORDANCE WITH APPLICABLE PLANS, SPECIFICATIONS, AND LAW.
- THE CONTRACTOR WILL PRESERVE AND PROTECT ALL EXISTING VEGETATION, SUCH AS TREES, SHRUBS, AND GRASS ON OR ADJACENT TO THE SITE, WHICH DO NOT REASONABLY INTERFERE WITH THE CONSTRUCTION AS MAY BE DETERMINED BY THE DESIGN ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR UNAUTHORIZED CUTTING OR DAMAGING OF TREES AND SHRUBS, MATERIALS, OR TRACKING OF GRASS AREAS BY EQUIPMENT. CARE SHALL BE TAKEN BY THE CONTRACTOR IN FELLING TREES AUTHORIZED FOR REMOVAL TO AVOID ANY UNNECESSARY DAMAGE TO VEGETATION THAT IS TO REMAIN IN PLACE. THE CONTRACTOR SHALL BE LIABLE FOR OR MAY BE REQUIRED TO REPLACE OR RESTORE, AT HIS EXPENSE, ALL VEGETATION NOT PROTECTED AND PRESERVED AS REQUIRED HEREIN THAT MAY BE DESTROYED OR DAMAGED.
- THE CONTRACTOR SHALL ACKNOWLEDGE PRIOR TO CONSTRUCTION THAT HE/SHE HAS SATISFIED THEMSELVES AS TO THE NATURE AND LOCATION OF THE WORK, THE GENERAL AND LOCAL CONDITIONS, PARTICULARLY THOSE BEARING ON TRANSPORTATION, HANDLING AND STORAGE OF MATERIALS, THE CHARACTER OF THE EQUIPMENT AND FACILITIES NEEDED DURING THE PROSECUTION OF THE WORK AND ALL OTHER MATTERS WHICH CAN IN ANY WAY AFFECT THE WORK OR THE COST THEREOF UNDER THIS CONTRACT. ANY FAILURE OF THE CONTRACTOR TO ACQUAINT THEMSELVES WITH THE AVAILABLE INFORMATION CONCERNING THOSE CONDITIONS WILL NOT RELIEVE HIM FROM RESPONSIBILITY FOR ESTIMATING PROPERLY THE DIFFICULTIES OR COST OF SUCCESSFULLY PERFORMING THE WORK.
- ALL MATERIALS, METHODS, AND DETAILS OF IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE REGULATIONS OF CITY OF CAPE MAY, CAPE MAY COUNTY, AND/OR THE APPROPRIATE UTILITY COMPANY, WHICHEVER REGULATION TAKES PRECEDENCE.
- ALL CONCRETE FOR SIDEWALKS AND CURB SHALL BE OF A MIX TO ENSURE A 28 DAY STRENGTH OF 4,000 PSI AND HAVE A MINIMUM AIR CONTENT OF 5%.
- THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR ENSURING THAT ALL WORK PERFORMED CONFORMS TO ALL THE APPLICABLE STATUTES, REGULATIONS, ORDINANCES, AND STANDARDS OF GOVERNMENTAL BODIES HAVING JURISDICTION OVER SUCH WORK. THE RESPONSIBILITY SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
  - CONFORMITY WITH THE APPROVED PLANS AS WELL AS STANDARDS AND SPECIFICATIONS OF THE CITY OF CAPE MAY.
  - CORRECTION OF ALL DEFECTS OF THE WORK, NO MATTER WHAT THE CAUSE, UNTIL THE DATE OF THE ACCEPTANCE, AND THEREAFTER, FOR THE PERIOD OF ANY GUARANTEE WHICH RUNS BEYOND THE DATE OF ACCEPTANCE.
  - SOLUTION OF ANY PROBLEM, UNFORESEEN AT THE TIME OF THE APPROVAL OF THE PLAN, WHICH MAY OR DO IMPAIR THE INTEGRITY OF ANY IMPROVEMENTS, INCLUDING PROBLEMS SUCH AS HIGH GROUND WATER, UNSTABLE SOIL, ETC.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PUBLIC SAFETY AND SECURING THE SITE AT ALL TIMES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL PUBLIC RIGHTS OF WAY AND ADJACENT PROPERTIES CLEAN AND SAFE FROM EXCESSIVE DUST AND DEBRIS RESULTING FROM DEMOLITION AND/OR CONSTRUCTION.
- THE LOCATION OF ANY UTILITIES SHOWN ON THE PLANS ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION PRIOR TO BEGINNING EXCAVATION OR COMMENCING CONSTRUCTION AND SHALL BE FULLY RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES IN THE VICINITY OF THE PROJECT. NEW JERSEY ONE CALL WILL PROVIDE FOR ON-SITE DELINEATION OF EXISTING UTILITIES UPON REQUEST (1-800-272-1000).
- EXISTING MATERIALS DESIGNATED FOR REMOVAL SHALL BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE DIRECTED BY THE OWNER.
- DISTURBED AREAS SHALL BE RESTORED AS SOON AS PRACTICAL.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF THERE ARE ANY DISCREPANCIES FOUND BETWEEN THE DRAWINGS AND SPECIFICATIONS AND THE SITE CONDITIONS. THE CONTRACTOR SHALL PROCEED AT HIS OWN RISK PRIOR TO THE RESOLUTION IF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL COORDINATE WATER MAIN SHUT DOWNS, RESETTING OF WATER VALVE BOXES, AND SANITARY CLEANOUTS WITH THE CAPE MAY CITY WATER AND SEWER DEPARTMENT.
- SEPARATE PAYMENT WILL NOT BE MADE FOR CONSTRUCTION LAYOUT, SAWCUTTING, SOIL EROSION AND SEDIMENT CONTROL MEASURES, DUST CONTROL, DEWATERING, BY-PASS PUMPING, CLEANING AND RESTORATIONS, REMOVAL AND DISPOSAL OF EXCESS MATERIALS OR UNWANTED MATERIALS OR DEBRIS, UNDER LAYER PREPARATION, PRIME COAT, TACK COAT, RELOCATIONS OF SIGNS OR MAILBOXES, CONDUCTORS OR CONDUITS DAMAGED DURING CONSTRUCTION, OR ANY OTHER STRUCTURES ENCOUNTERED UNLESS OTHERWISE INDICATED ON THE PLANS.
- THE CONTRACTOR SHALL SUBMIT TO THE CITY OF CAPE MAY ASBUILTS PLANS AND SHALL IDENTIFY ALL CORRECTIONS THAT HAVE BEEN PERFORMED.
- LIMITS OF PAVING (L.O.P.) SHALL BE SAWCUT AND SEALED WITH HOT JOINT SEALER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE HMA SURFACE PAVING.

## ESTIMATE OF QUANTITIES, NOTES & LEGEND

**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
DH/MWA	MWA	MAD	01/21/2025

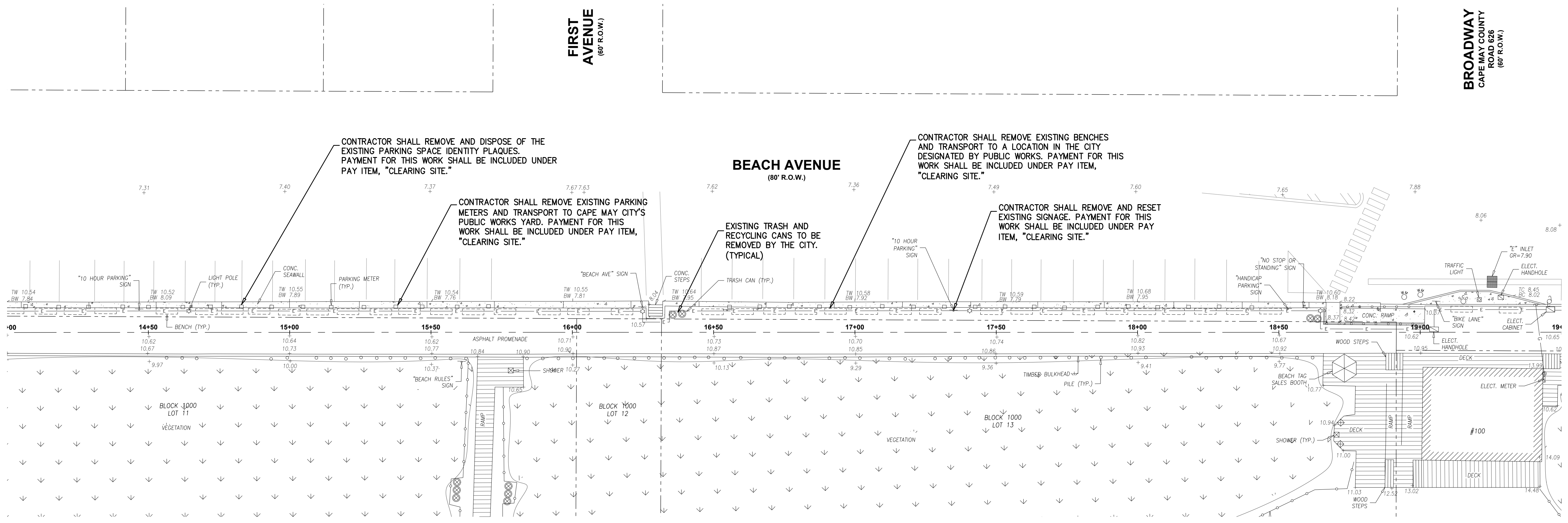
*Mark A. DeBlasio* 1/21/2025  
DATE  
MARC A. DEBLASIO, P.E.

New Jersey License No. 41599  
Scale: AS NOTED  
Sheet No.: 2  
Total: 37

NO.	DATE	APPR.	REVISION

COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.





**TYPICAL DEMOLITION PLAN**

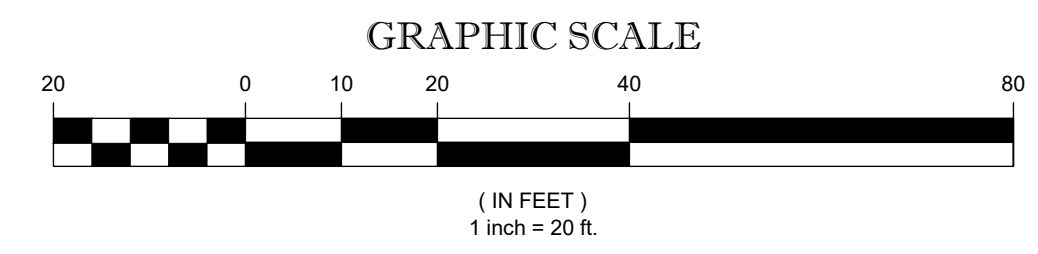
SCALE : 1"=20'

**SURVEY NOTES:**

- EXISTING TOPOGRAPHIC INFORMATION SHOWN WAS BASED ON A FIELD SURVEY PERFORMED BY DEBLASIO & ASSOCIATES, P.C. UNDER THE SUPERVISION OF HENRY V. ENGEL, N.J.P.L.S. NO. 35833, COMPLETED ON 08/19/2024.
- ELEVATIONS SHOWN HEREON ARE IN FEET AND REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
- HORIZONTAL CONTROL IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM (NAD 1983).
- PROPERTY AND RIGHT-OF-WAY LINES SHOWN ARE APPROXIMATE LOCATIONS BASED ON THE CURRENT TAX MAPS OF THE CITY OF CAPE MAY, CAPE MAY COUNTY, NEW JERSEY. SAID LINES ARE SHOWN FOR GRAPHICAL INFORMATION ONLY AND HAVE NOT BEEN FIELD VERIFIED.

**DEMOLITION NOTES:**

- PRIOR TO THE START OF THE RESPECTIVE WORK, THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF THE EXISTING MISCELLANEOUS SIGN POST SLEEVES CURRENTLY USED FOR VENDOR STANDS AND INSTALL NEW SIGN POST SLEEVES IN THEIR RESPECTIVE LOCATIONS OR AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK SHALL BE INCLUDED UNDER PAY ITEM, "CLEARING SITE."
- PRIOR TO THE START OF THE RESPECTIVE WORK, THE CONTRACTOR SHALL REMOVE EXISTING BENCHES AND TRANSPORT TO A LOCATION IN THE CITY DESIGNATED BY PUBLIC WORKS. PAYMENT FOR THIS WORK SHALL BE INCLUDED UNDER PAY ITEM, "CLEARING SITE."



NO.	DATE	APPR.	REVISION

COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.

**TYPICAL DEMOLITION PLAN**

**DEBLASIO & ASSOCIATES**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

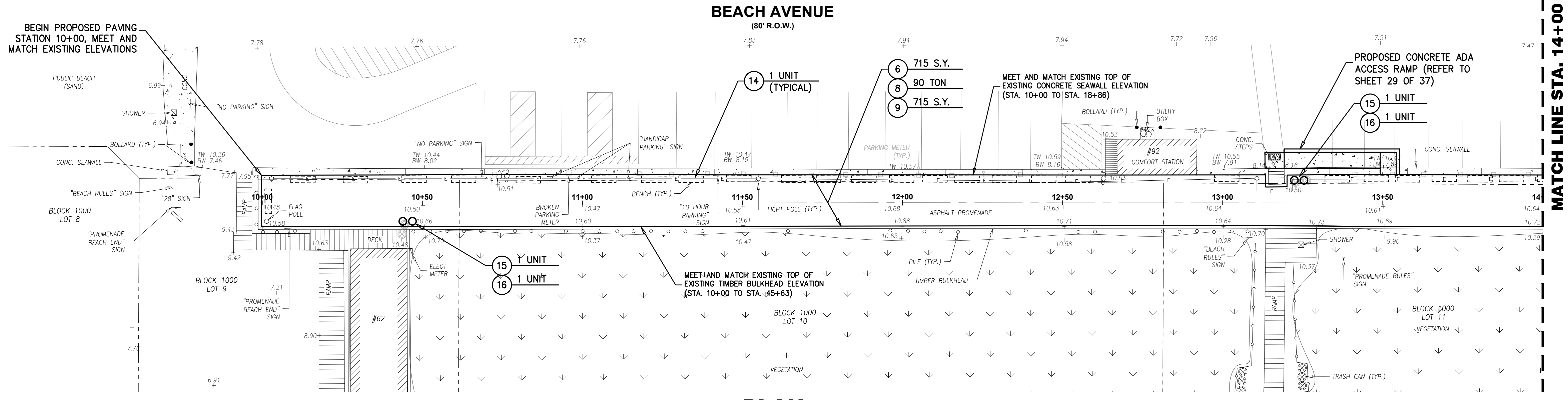
Design:	Drawn:	Check:	Date:
DH/MWA	MWA	MAD	01/21/2025

*Marc DeBlasio* 1/21/2025  
**MARC A. DEBLASIO, P.E.** DATE  
New Jersey License No. 41599  
Scale: AS NOTED Job No.: 25M-C-023 Sheet No.: 3 Total: 37





ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
5	DENSE GRADED AGGREGATE BASE COURSE, BACKFILL	C.Y.	30	
6	HMA MILLING, 0 TO 3" DEPTH	S.Y.	1,690	
7	HOT MIX ASPHALT BASE COURSE, MIX 19M64, 6" THICK	TON	10	
8	HOT MIX ASPHALT SURFACE COURSE, MIX 9.5M64, 2" THICK	TON	210	
9	ASPHALT SOLAR REFLECTIVE COATING	S.Y.	1,690	
10	INLET FILTERS, TYPE 1	S.F.	30	
12	TIMBER BULKHEAD - COMPLETE	L.F.	64	
14	BENCHES, INSTALL	UNIT	65	
15	TRASH RECEPTACLE, FURNISH AND INSTALL	UNIT	4	
16	RECYCLING RECEPTACLE, FURNISH AND INSTALL	UNIT	4	

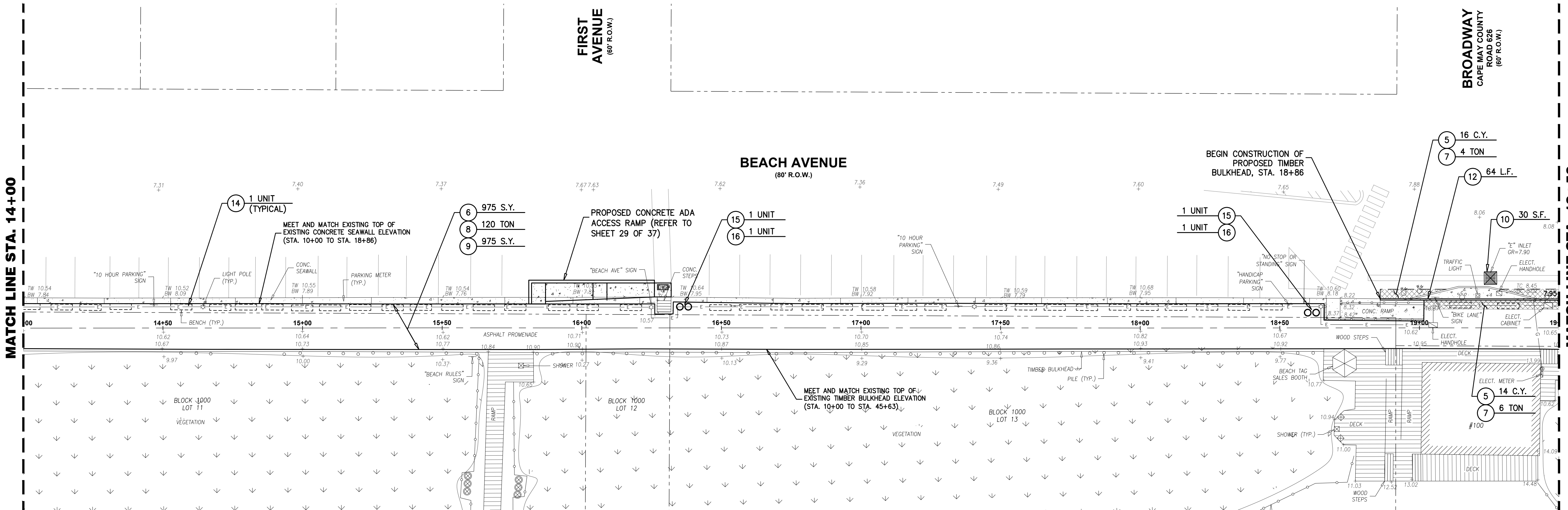


**PLAN**  
SCALE : 1"=20'

- SURVEY NOTES:**
- EXISTING TOPOGRAPHIC INFORMATION SHOWN WAS BASED ON A FIELD SURVEY PERFORMED BY DEBLASIO & ASSOCIATES, P.C. UNDER THE SUPERVISION OF HENRY V. ENGL, N.J.P.L.S. NO. 35833, COMPLETED ON 08/19/2024.
  - ELEVATIONS SHOWN HEREON ARE IN FEET AND REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
  - HORIZONTAL CONTROL IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM (NAD 1983).
  - PROPERTY AND RIGHT-OF-WAY LINES SHOWN ARE APPROXIMATE LOCATIONS BASED ON THE CURRENT TAX MAPS OF THE CITY OF CAPE MAY, CAPE MAY COUNTY, NEW JERSEY. SAID LINES ARE SHOWN FOR GRAPHICAL INFORMATION ONLY AND HAVE NOT BEEN FIELD VERIFIED.

- CONSTRUCTION NOTES:**
- LIMITS OF PAVING (L.O.P.) ALONG BEACH AVENUE SHALL BE SAWCUT FULL DEPTH AND SEALED WITH HOT-POURED JOINT SEALER, MEET AND MATCH EXISTING PAVEMENT ELEVATIONS. THERE SHALL BE NO SEPARATE PAYMENT FOR THIS WORK BUT THE COST SHALL BE INCLUDED IN THE SURFACE PAVING.
  - CONTRACTOR SHALL REFER TO SHEETS 12 THRU 18 FOR EXISTING CONCRETE SEAWALL REPAIRS.
  - CONTRACTOR SHALL REFER TO SHEETS 19 THRU 22 FOR EXISTING ADA RAMP IMPROVEMENTS.

**LEGEND**



**PLAN**  
SCALE : 1"=20'

**PROPOSED SURFACE IMPROVEMENTS**

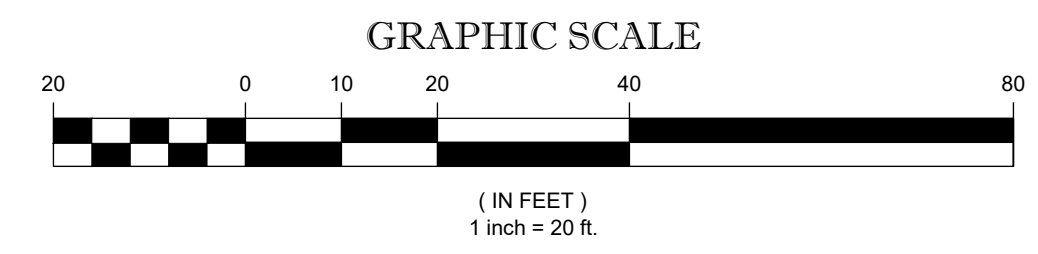
**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
MWA	MWA	MAD	01/21/2025

*Marc A. DeBlasio* 1/21/2025  
**MARC A. DEBLASIO, P.E.** DATE  
New Jersey License No. 41599  
Scale: AS NOTED 400 No. 4 Sheet No. 4 of 37



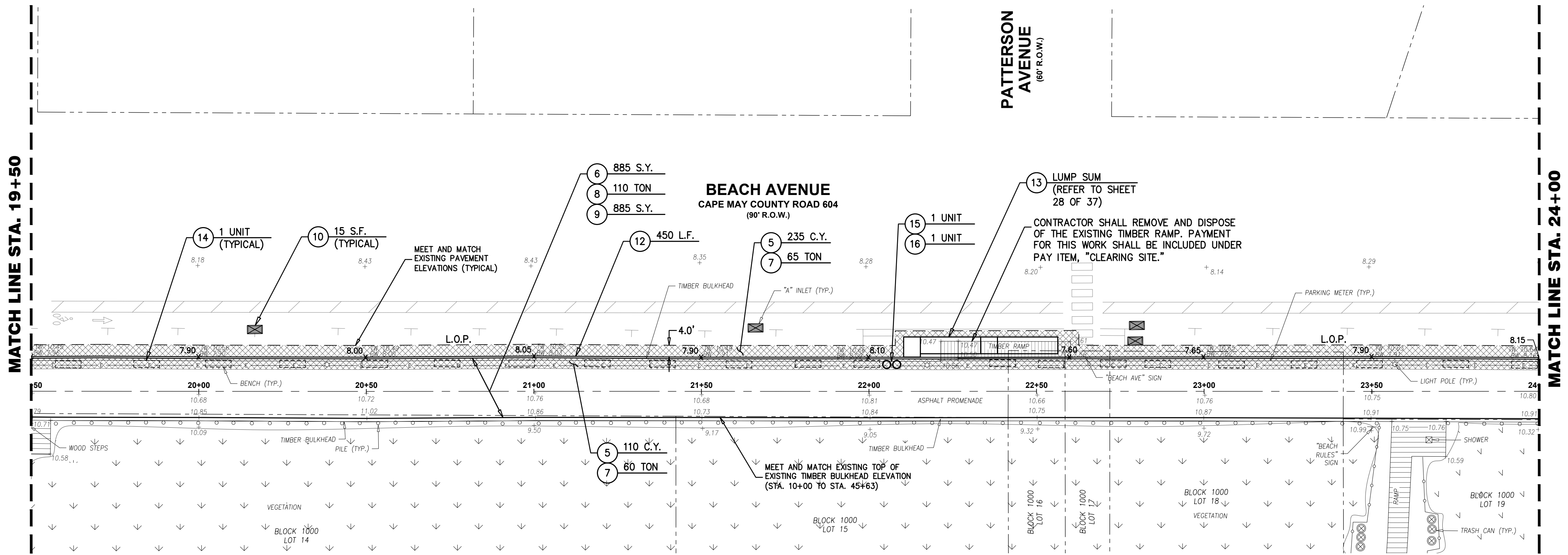
NO.	DATE	APPR.	REVISION

COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.





ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
5	DENSE GRADED AGGREGATE BASE COURSE, BACKFILL	C.Y.	725	
6	HMA MILLING, 0 TO 3" DEPTH	S.Y.	1,855	
7	HOT MIX ASPHALT BASE COURSE, MIX 19M64, 6" THICK	TON	264	
8	HOT MIX ASPHALT SURFACE COURSE, MIX 9.5M64, 2" THICK	TON	230	
9	ASPHALT SOLAR REFLECTIVE COATING	S.Y.	1,855	
10	INLET FILTERS, TYPE 1	S.F.	105	
12	TIMBER BULKHEAD - COMPLETE	L.F.	950	
13	PATTERSON AVENUE ADA ACCESS RAMP, FURNISH & INSTALL	LUMP SUM	LUMP SUM	
14	BENCHES, INSTALL	UNIT	44	
15	TRASH RECEPTACLE, FURNISH AND INSTALL	UNIT	1	
16	RECYCLING RECEPTACLE, FURNISH AND INSTALL	UNIT	1	



**PLAN**

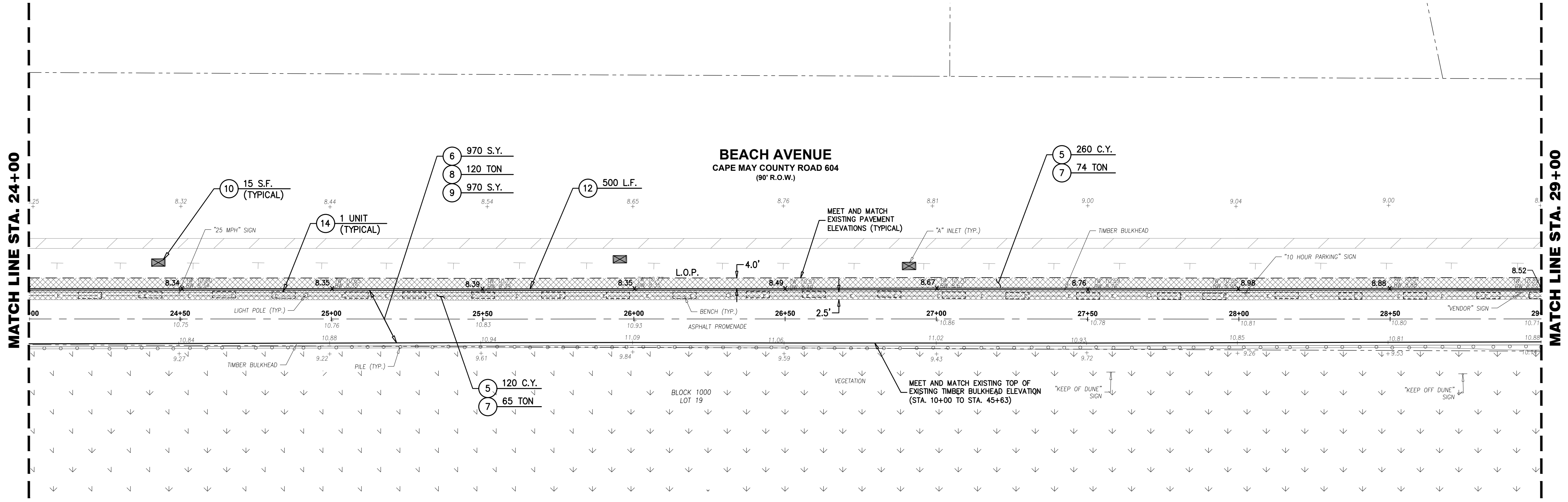
SCALE : 1"=20'

- SURVEY NOTES:**
- EXISTING TOPOGRAPHIC INFORMATION SHOWN WAS BASED ON A FIELD SURVEY PERFORMED BY DEBLASIO & ASSOCIATES, P.C. UNDER THE SUPERVISION OF HENRY V. ENGEL, N.J.P.L.S. NO. 35833, COMPLETED ON 08/19/2024.
  - ELEVATIONS SHOWN HEREON ARE IN FEET AND REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
  - HORIZONTAL CONTROL IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM (NAD 1983).
  - PROPERTY AND RIGHT-OF-WAY LINES SHOWN ARE APPROXIMATE LOCATIONS BASED ON THE CURRENT TAX MAPS OF THE CITY OF CAPE MAY, CAPE MAY COUNTY, NEW JERSEY. SAID LINES ARE SHOWN FOR GRAPHICAL INFORMATION ONLY AND HAVE NOT BEEN FIELD VERIFIED.

- CONSTRUCTION NOTES:**
- LIMITS OF PAVING (L.O.P.) ALONG BEACH AVENUE SHALL BE SAWCUT FULL DEPTH AND SEALED WITH HOT-POURED JOINT SEALER, MEET AND MATCH EXISTING PAVEMENT ELEVATIONS. THERE SHALL BE NO SEPARATE PAYMENT FOR THIS WORK BUT THE COST SHALL BE INCLUDED IN THE SURFACE PAVING.
  - CONTRACTOR SHALL REFER TO SHEETS 12 THRU 18 FOR EXISTING CONCRETE SEAWALL REPAIRS.
  - CONTRACTOR SHALL REFER TO SHEETS 19 THRU 22 FOR EXISTING ADA RAMP IMPROVEMENTS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CAPE MAY COUNTY ROAD OPENING PERMIT FOR WORK WITHIN BEACH AVENUE (CAPE MAY COUNTY ROAD 604) RIGHT-OF-WAY. ALL COSTS ASSOCIATED WITH PERMIT ACQUISITION SHALL BE INCLUDED IN THE VARIOUS ITEMS IN THE BID FORM.

**LEGEND**

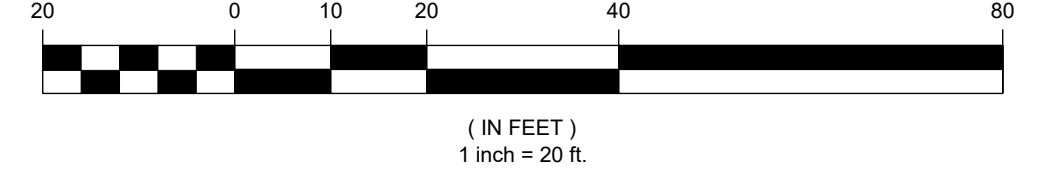
BEACH AVENUE/PROMENADE ASPHALT  
 PAVEMENT RESTORATION LIMITS (REFER TO SHEET 27 OF 37)



**PLAN**

SCALE : 1"=20'

**GRAPHIC SCALE**



**PROPOSED SURFACE IMPROVEMENTS**

**DEBLASIO & ASSOCIATES**  
 ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
 WILDWOOD, NJ 08260  
 PHONE (609) 854-3311  
 FAX (609) 854-4323  
 WWW.DEBLASIOASSOC.COM  
 Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)  
 CITY OF CAPE MAY  
 CAPE MAY COUNTY, NEW JERSEY**

Design:	Drawn:	Check:	Date:
MWA	MWA	MAD	01/21/2025

*Marc DeBlasio* 1/21/2025  
**MARC A. DEBLASIO, P.E.** DATE  
 New Jersey License No. 41599

NO.	DATE	APPR.	REVISION

COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.

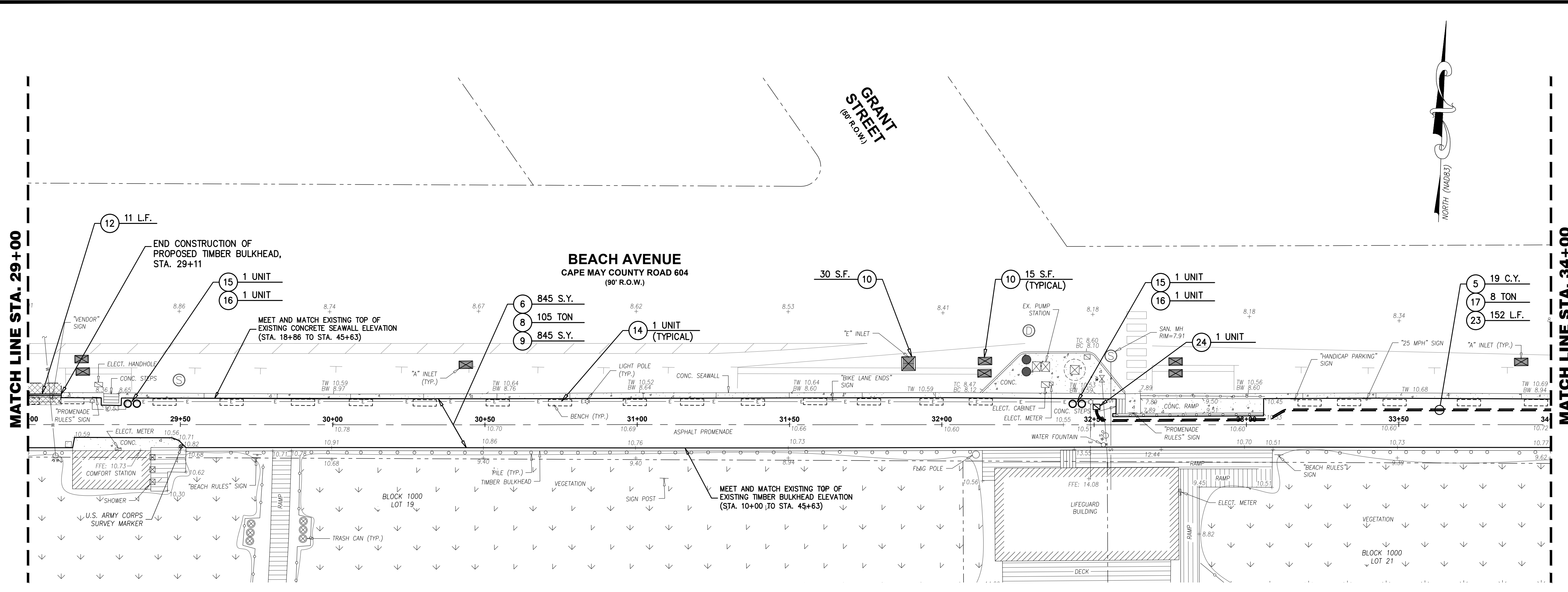
Scale:	Sheet No.:	Date:
AS NOTED	5	01/21/2025



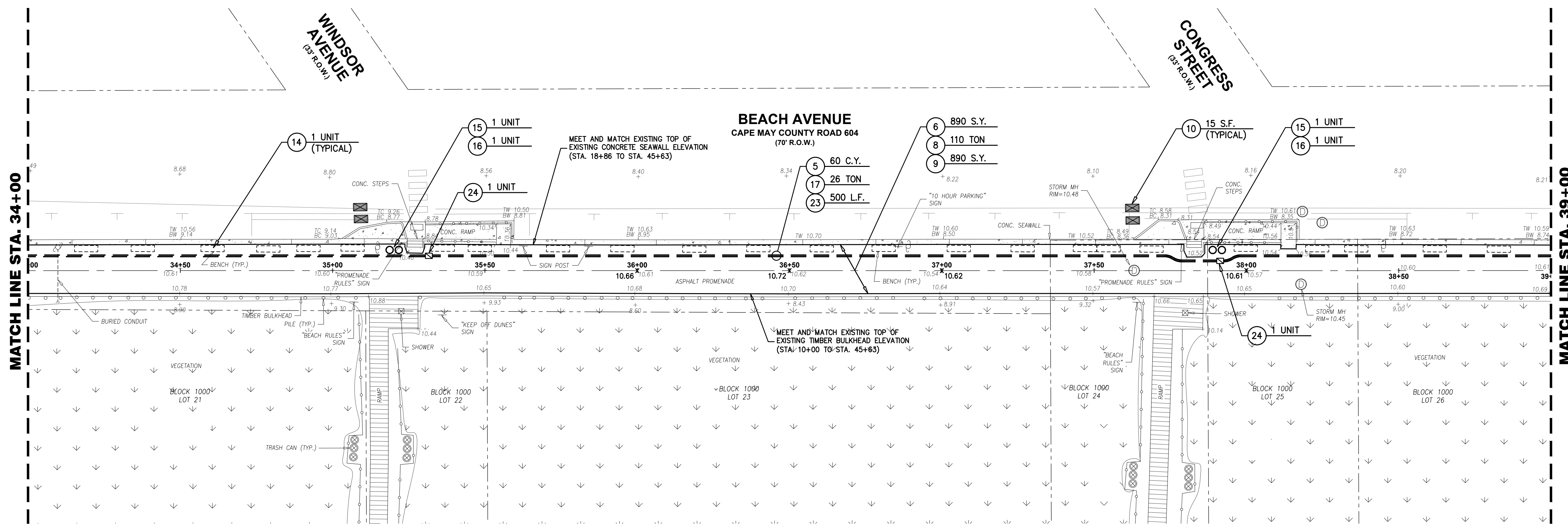
ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
5	DENSE GRADED AGGREGATE BASE COURSE, BACKFILL	C.Y.	79	
6	HMA MILLING, 0 TO 3" DEPTH	S.Y.	1,735	
8	HOT MIX ASPHALT SURFACE COURSE, MIX 9.5M64, 2" THICK	TON	215	
9	ASPHALT SOLAR REFLECTIVE COATING	S.Y.	1,735	
10	INLET FILTERS, TYPE 1	S.F.	210	
12	TIMBER BULKHEAD - COMPLETE	L.F.	11	
14	BENCHES, INSTALL	UNIT	44	
15	TRASH RECEPTACLE, FURNISH AND INSTALL	UNIT	4	
16	RECYCLING RECEPTACLE, FURNISH AND INSTALL	UNIT	4	
17	HOT MIX ASPHALT BASE COURSE, MIX 19M64, 4" THICK	TON	34	
23	TWO(2) 4" DIA. UNDERGROUND CONDUITS, SCHEDULE 80 PVC	L.F.	652	
24	UNDERGROUND HANDHOLE ENCLOSURE, 24"x24"x24"	UNIT	3	

- SURVEY NOTES:**
- EXISTING TOPOGRAPHIC INFORMATION SHOWN WAS BASED ON A FIELD SURVEY PERFORMED BY DEBLASIO & ASSOCIATES, P.C. UNDER THE SUPERVISION OF HENRY V. ENGEL, N.J.P.L.S. NO. 35833, COMPLETED ON 08/19/2024.
  - ELEVATIONS SHOWN HEREON ARE IN FEET AND REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
  - HORIZONTAL CONTROL IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM (NAD 1983).
  - PROPERTY AND RIGHT-OF-WAY LINES SHOWN ARE APPROXIMATE LOCATIONS BASED ON THE CURRENT TAX MAPS OF THE CITY OF CAPE MAY, CAPE MAY COUNTY, NEW JERSEY. SAID LINES ARE SHOWN FOR GRAPHICAL INFORMATION ONLY AND HAVE NOT BEEN FIELD VERIFIED.

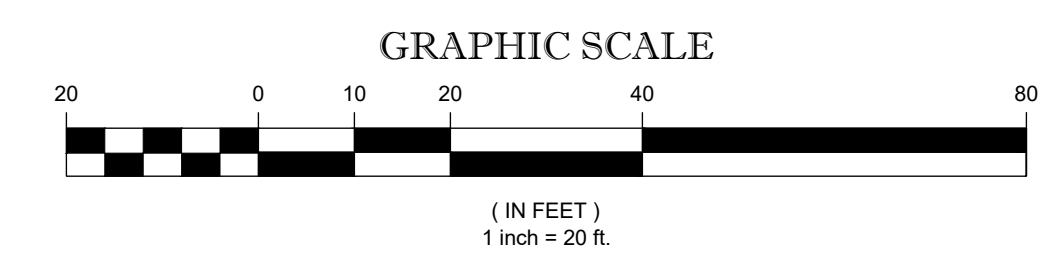
- CONSTRUCTION NOTES:**
- LIMITS OF PAVING (L.O.P.) ALONG BEACH AVENUE SHALL BE SAWCUT FULL DEPTH AND SEALED WITH HOT-POURED JOINT SEALER, MEET AND MATCH EXISTING PAVEMENT ELEVATIONS. THERE SHALL BE NO SEPARATE PAYMENT FOR THIS WORK BUT THE COST SHALL BE INCLUDED IN THE SURFACE PAVING.
  - CONTRACTOR SHALL REFER TO SHEETS 12 THRU 18 FOR EXISTING CONCRETE SEAWALL REPAIRS.
  - CONTRACTOR SHALL REFER TO SHEETS 19 THRU 22 FOR EXISTING ADA RAMP IMPROVEMENTS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CAPE MAY COUNTY ROAD OPENING PERMIT FOR WORK WITHIN BEACH AVENUE (CAPE MAY COUNTY ROAD 604) RIGHT-OF-WAY. ALL COSTS ASSOCIATED WITH PERMIT ACQUISITION SHALL BE INCLUDED IN THE VARIOUS ITEMS IN THE BID FORM.



**PLAN**  
SCALE : 1"=20'



**PLAN**  
SCALE : 1"=20'



**PROPOSED SURFACE IMPROVEMENTS**

**DEBLASIO & ASSOCIATES**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
MWA	MWA	MAD	01/21/2025

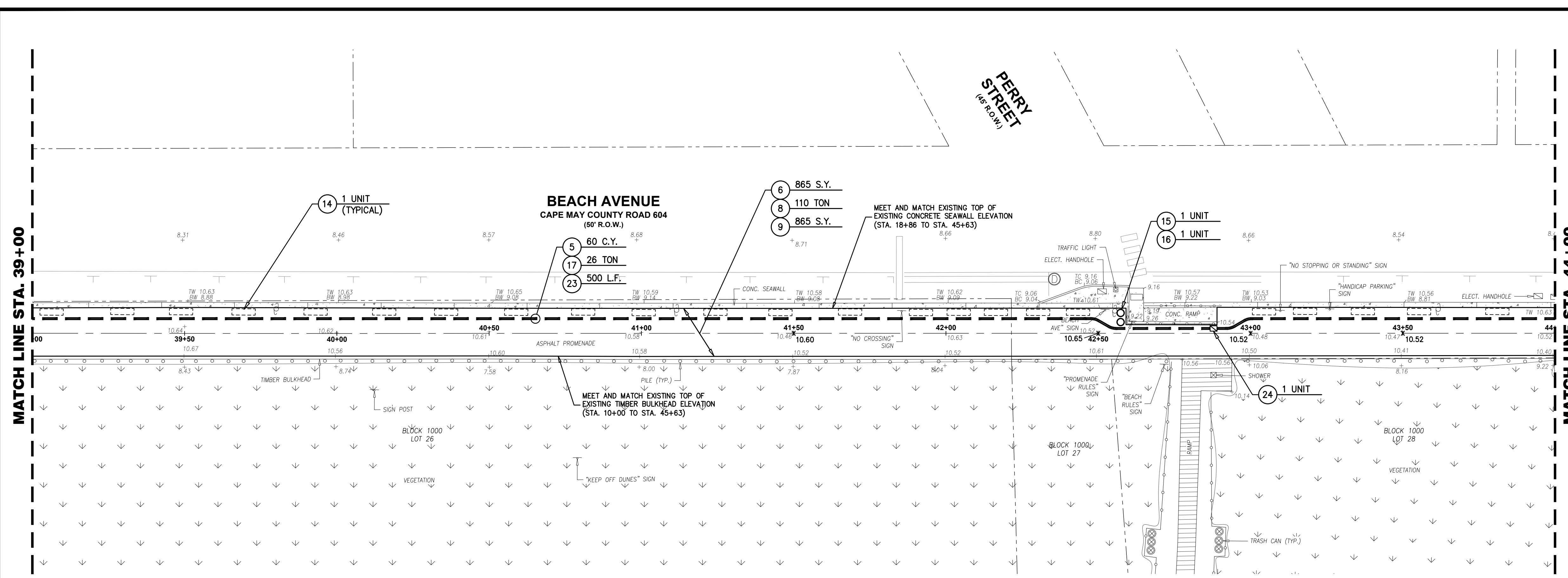
NO.	DATE	APPR.	REVISION

*Marc DeBlasio* 1/21/2025  
**MARC A. DEBLASIO, P.E.** DATE  
New Jersey License No. 41599  
Scale: AS NOTED Sheet No. 6 of 37

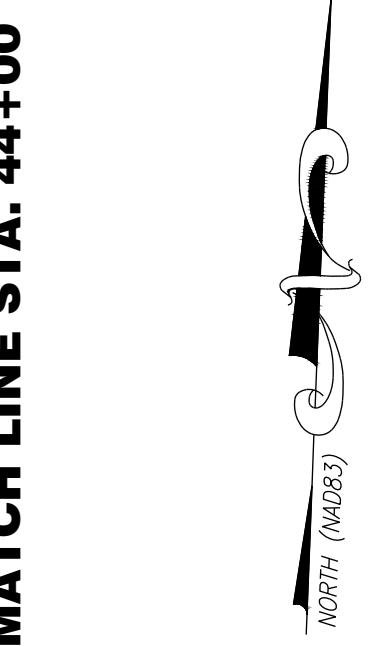
COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.



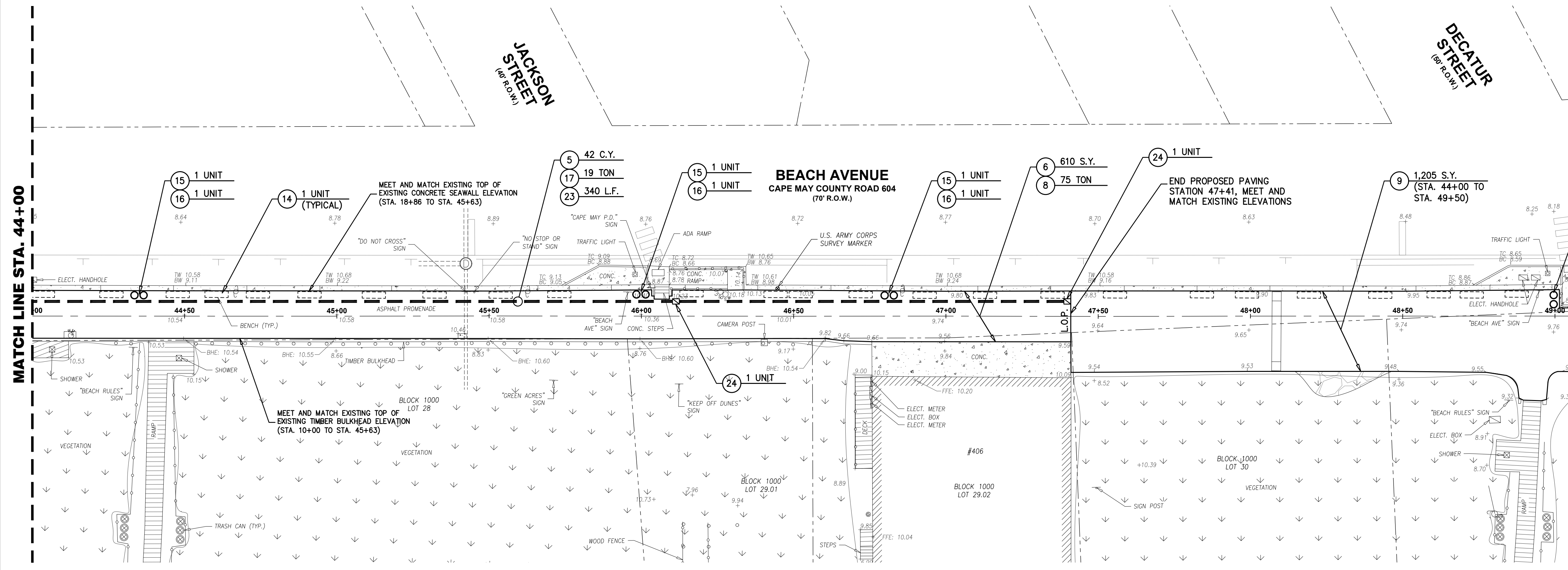
ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
5	DENSE GRADED AGGREGATE BASE COURSE, BACKFILL	C.Y.	102	
6	HMA MILLING, 0 TO 3" DEPTH	S.Y.	1,475	
8	HOT MIX ASPHALT SURFACE COURSE, MIX 9.5M64, 2" THICK	TON	185	
9	ASPHALT SOLAR REFLECTIVE COATING	S.Y.	2,070	
14	BENCHES, INSTALL	UNIT	49	
15	TRASH RECEPTACLE, FURNISH AND INSTALL	UNIT	5	
16	RECYCLING RECEPTACLE, FURNISH AND INSTALL	UNIT	5	
17	HOT MIX ASPHALT BASE COURSE, MIX 19M64, 4" THICK	TON	45	
23	TWO(2) 4" DIA. UNDERGROUND CONDUITS, SCHEDULE 80 PVC	L.F.	840	
24	UNDERGROUND HANDHOLE ENCLOSURE, 24"X24"X24"	UNIT	3	



**PLAN**  
SCALE : 1"=20'



- SURVEY NOTES:**
- EXISTING TOPOGRAPHIC INFORMATION SHOWN WAS BASED ON A FIELD SURVEY PERFORMED BY DEBLASIO & ASSOCIATES, P.C. UNDER THE SUPERVISION OF HENRY V. ENGEL, N.J.P.L.S. NO. 35833, COMPLETED ON 08/19/2024.
  - ELEVATIONS SHOWN HEREON ARE IN FEET AND REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
  - HORIZONTAL CONTROL IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM (NAD 1983).
  - PROPERTY AND RIGHT-OF-WAY LINES SHOWN ARE APPROXIMATE LOCATIONS BASED ON THE CURRENT TAX MAPS OF THE CITY OF CAPE MAY, CAPE MAY COUNTY, NEW JERSEY. SAID LINES ARE SHOWN FOR GRAPHICAL INFORMATION ONLY AND HAVE NOT BEEN FIELD VERIFIED.



**PLAN**  
SCALE : 1"=20'

- CONSTRUCTION NOTES:**
- CONTRACTOR SHALL REFER TO SHEETS 12 THRU 18 FOR EXISTING CONCRETE SEAWALL REPAIRS.
  - CONTRACTOR SHALL REFER TO SHEETS 19 THRU 22 FOR EXISTING ADA RAMP IMPROVEMENTS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CAPE MAY COUNTY ROAD OPENING PERMIT FOR WORK WITHIN BEACH AVENUE (CAPE MAY COUNTY ROAD 604) RIGHT-OF-WAY. ALL COSTS ASSOCIATED WITH PERMIT ACQUISITION SHALL BE INCLUDED IN THE VARIOUS ITEMS IN THE BID FORM.

**PROPOSED SURFACE IMPROVEMENTS**

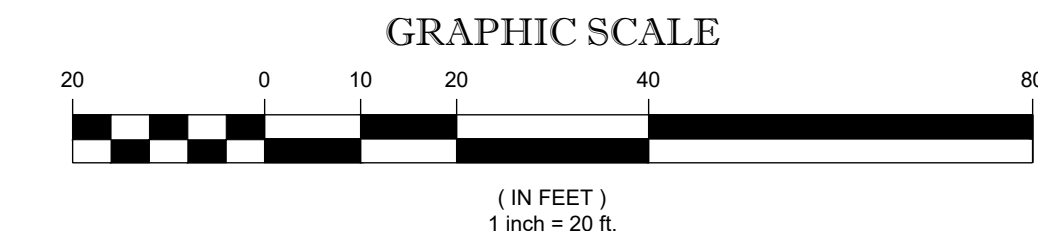
**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
MWA	MWA	MAD	01/21/2025

NO.	DATE	APPR.	REVISION



Copyright 2025, DeBlasio & Associates, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.

*Marc A. DeBlasio* 1/21/2025  
MARC A. DEBLASIO, P.E. DATE  
New Jersey License No. 41599

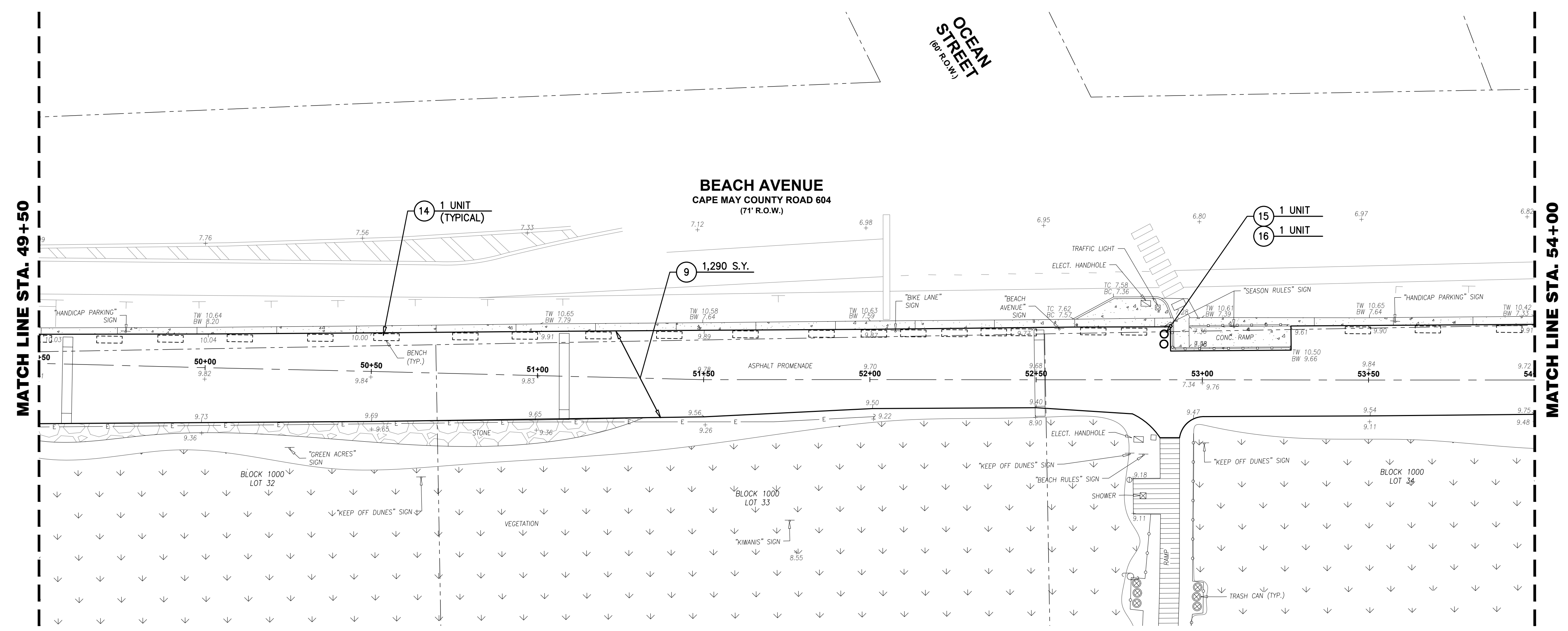
Scale:	Sheet No.:	Sheet Total:
AS NOTED	24-C-024	7 / 37



ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
9	ASPHALT SOLAR REFLECTIVE COATING	S.Y.	1,820	
14	BENCHES, INSTALL	UNIT	45	
15	TRASH RECEPTACLE, FURNISH AND INSTALL	UNIT	3	
16	RECYCLING RECEPTACLE, FURNISH AND INSTALL	UNIT	3	
D7	DETAIL 7 - REINFORCED CONCRETE SLAB, 6" THICK	S.F.	3,510	

MATCH LINE STA. 49+50

MATCH LINE STA. 54+00



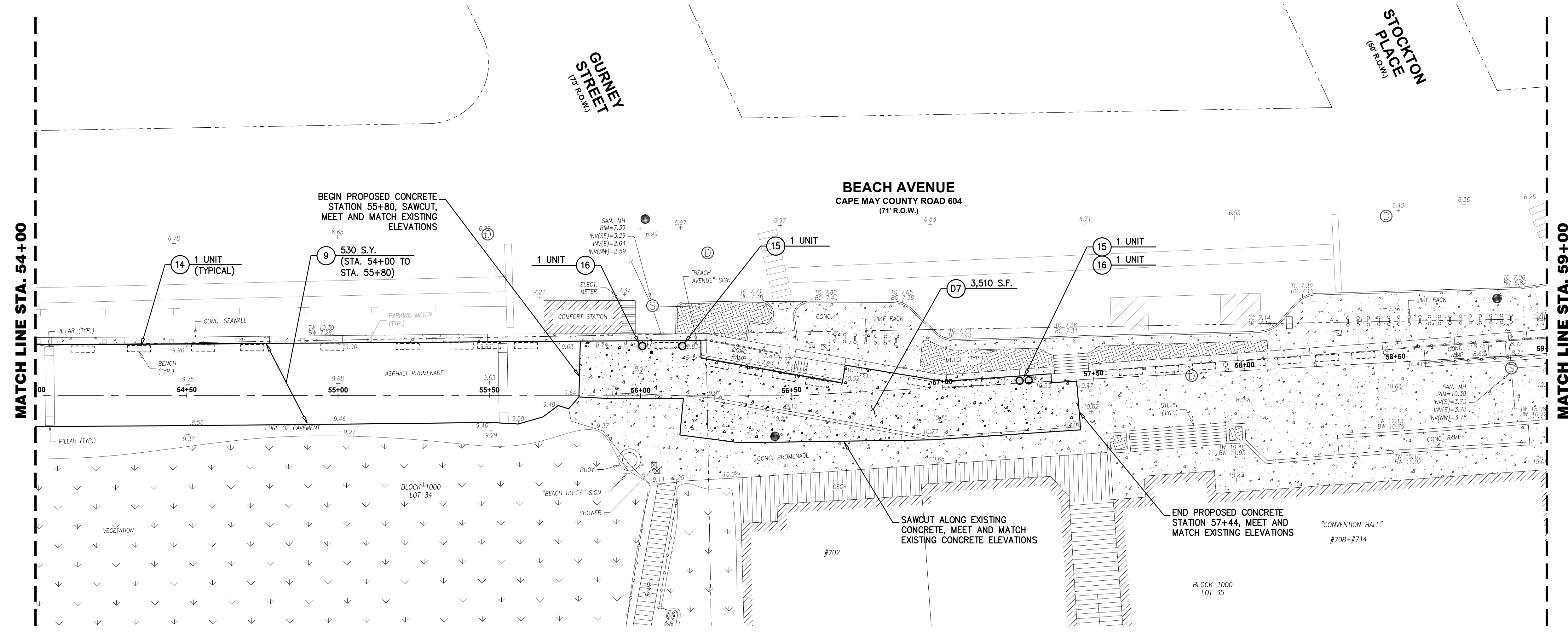
**PLAN**  
SCALE : 1"=20'

- SURVEY NOTES:**
- EXISTING TOPOGRAPHIC INFORMATION SHOWN WAS BASED ON A FIELD SURVEY PERFORMED BY DEBLASIO & ASSOCIATES, P.C. UNDER THE SUPERVISION OF HENRY V. ENGEL, N.J.P.L.S. NO. 35833, COMPLETED ON 08/19/2024.
  - ELEVATIONS SHOWN HEREON ARE IN FEET AND REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
  - HORIZONTAL CONTROL IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM (NAD 1983).
  - PROPERTY AND RIGHT-OF-WAY LINES SHOWN ARE APPROXIMATE LOCATIONS BASED ON THE CURRENT TAX MAPS OF THE CITY OF CAPE MAY, CAPE MAY COUNTY, NEW JERSEY. SAID LINES ARE SHOWN FOR GRAPHICAL INFORMATION ONLY AND HAVE NOT BEEN FIELD VERIFIED.

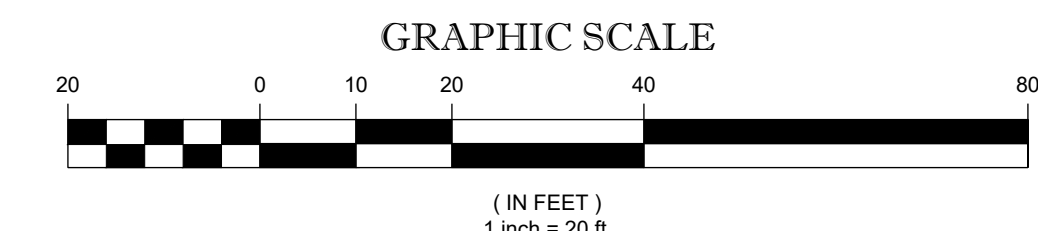
- CONSTRUCTION NOTES:**
- CONTRACTOR SHALL REFER TO SHEETS 12 THRU 18 FOR EXISTING CONCRETE SEAWALL REPAIRS.
  - CONTRACTOR SHALL REFER TO SHEETS 19 THRU 22 FOR EXISTING ADA RAMP IMPROVEMENTS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CAPE MAY COUNTY ROAD OPENING PERMIT FOR WORK WITHIN BEACH AVENUE (CAPE MAY COUNTY ROAD 604) RIGHT-OF-WAY. ALL COSTS ASSOCIATED WITH PERMIT ACQUISITION SHALL BE INCLUDED IN THE VARIOUS ITEMS IN THE BID FORM.

MATCH LINE STA. 54+00

MATCH LINE STA. 59+00



**PLAN**  
SCALE : 1"=20'



**PROPOSED SURFACE IMPROVEMENTS**

**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
MWA	MWA	MAD	12/2025

*Marc A. DeBlasio* 1/21/2025  
DATE  
MARC A. DEBLASIO, P.E.  
New Jersey License No. 41599

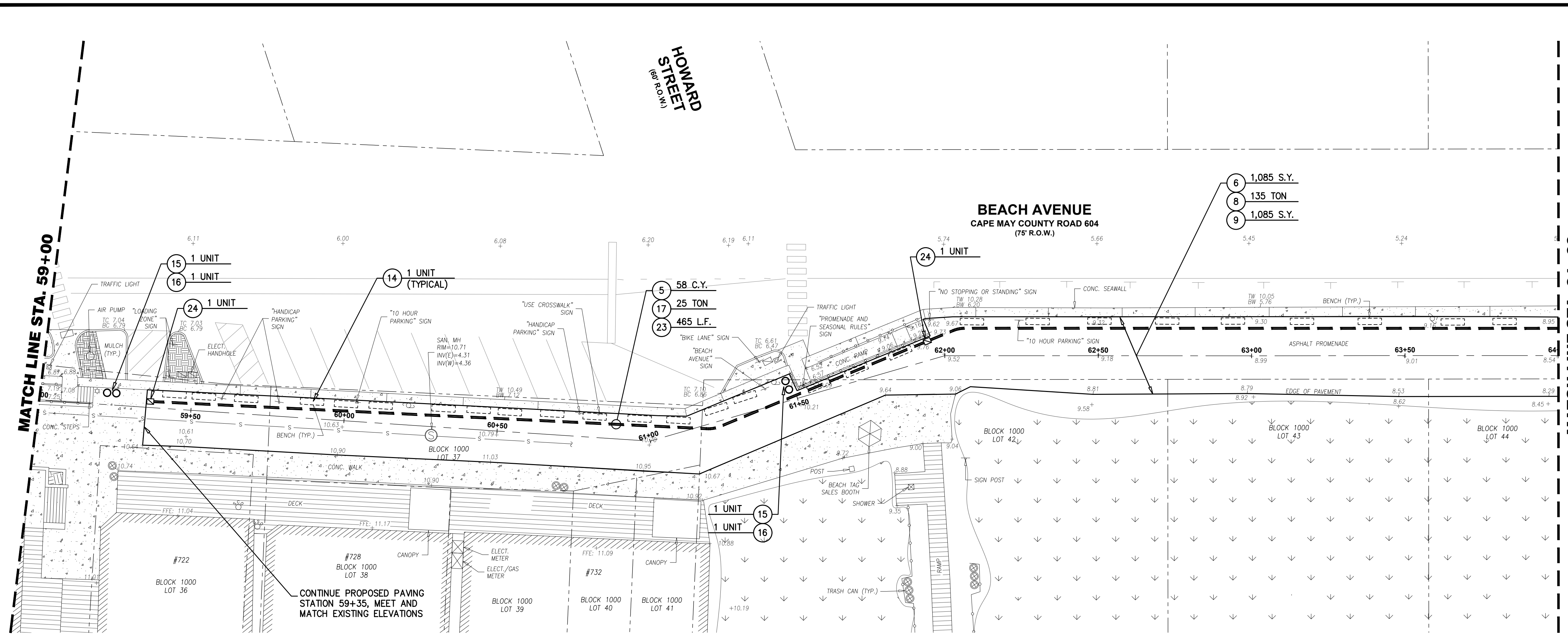
Scale:	Job No.:	Sheet No.:	Total:
AS NOTED	24CA-C-024	9	37

NO.	DATE	APPR.	REVISION

Copyright 2025, DeBlasio & Associates, P.C. - All rights reserved. The copying or reuse of this document or portions thereof, for other than the original project or the purpose originally intended, without the written permission of DeBlasio & Associates, P.C. is prohibited.



ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
5	DENSE GRADED AGGREGATE BASE COURSE, BACKFILL	C.Y.	118	
6	HMA MILLING, 0 TO 3" DEPTH	S.Y.	2,460	
8	HOT MIX ASPHALT SURFACE COURSE, MIX 9.5M64, 2" THICK	TON	305	
9	ASPHALT SOLAR REFLECTIVE COATING	S.Y.	2,460	
14	BENCHES, INSTALL	UNIT	47	
15	TRASH RECEPTACLE, FURNISH AND INSTALL	UNIT	3	
16	RECYCLING RECEPTACLE, FURNISH AND INSTALL	UNIT	3	
17	HOT MIX ASPHALT BASE COURSE, MIX 19M64, 4" THICK	TON	51	
23	TWO(2) 4" DIA. UNDERGROUND CONDUITS, SCHEDULE 80 PVC	L.F.	965	
24	UNDERGROUND HANDHOLE ENCLOSURE, 24"x24"x24"	UNIT	3	



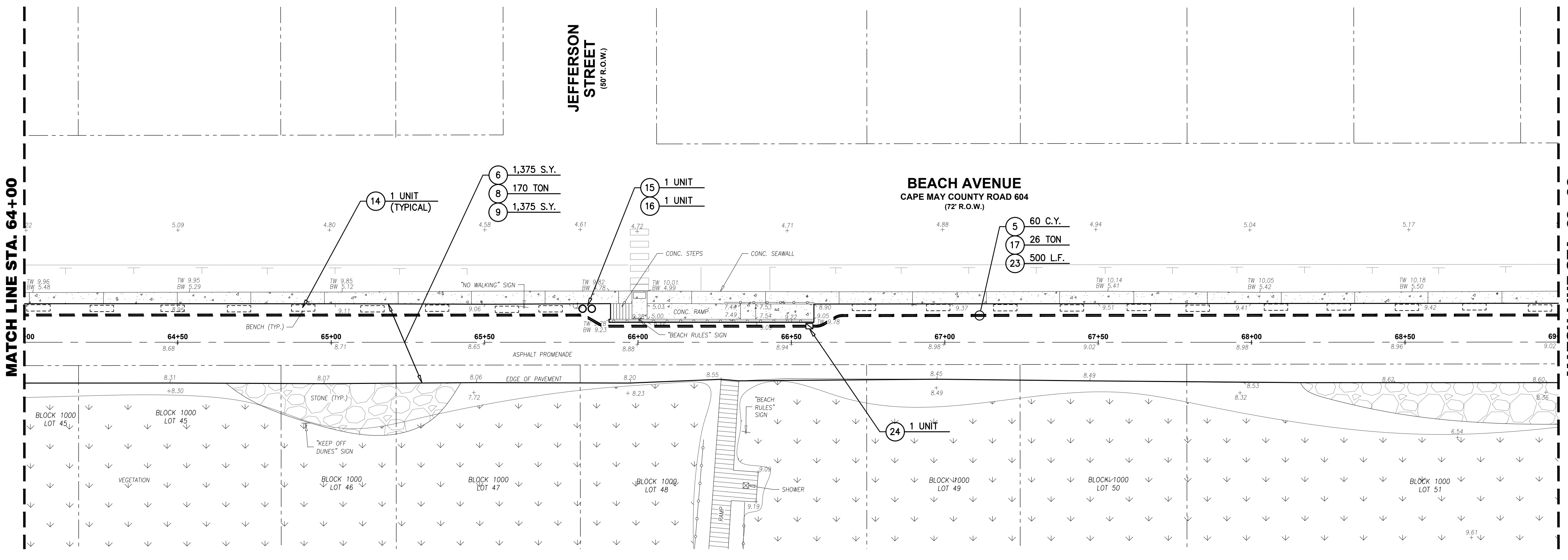
**PLAN**  
SCALE : 1"=20'

**SURVEY NOTES:**

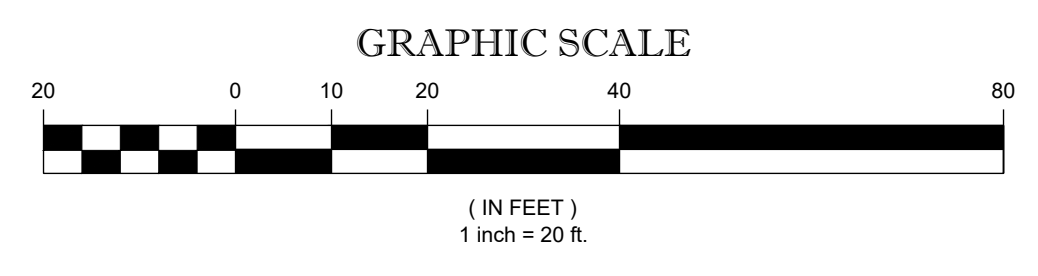
- EXISTING TOPOGRAPHIC INFORMATION SHOWN WAS BASED ON A FIELD SURVEY PERFORMED BY DEBLASIO & ASSOCIATES, P.C. UNDER THE SUPERVISION OF HENRY V. ENGEL, N.J.P.L.S. NO. 35833, COMPLETED ON 08/19/2024.
- ELEVATIONS SHOWN HEREON ARE IN FEET AND REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
- HORIZONTAL CONTROL IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM (NAD 1983).
- PROPERTY AND RIGHT-OF-WAY LINES SHOWN ARE APPROXIMATE LOCATIONS BASED ON THE CURRENT TAX MAPS OF THE CITY OF CAPE MAY, CAPE MAY COUNTY, NEW JERSEY. SAID LINES ARE SHOWN FOR GRAPHICAL INFORMATION ONLY AND HAVE NOT BEEN FIELD VERIFIED.

**CONSTRUCTION NOTES:**

- CONTRACTOR SHALL REFER TO SHEETS 12 THRU 18 FOR EXISTING CONCRETE SEAWALL REPAIRS.
- CONTRACTOR SHALL REFER TO SHEETS 19 THRU 22 FOR EXISTING ADA RAMP IMPROVEMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CAPE MAY COUNTY ROAD OPENING PERMIT FOR WORK WITHIN BEACH AVENUE (CAPE MAY COUNTY ROAD 604) RIGHT-OF-WAY. ALL COSTS ASSOCIATED WITH PERMIT ACQUISITION SHALL BE INCLUDED IN THE VARIOUS ITEMS IN THE BID FORM.



**PLAN**  
SCALE : 1"=20'



**PROPOSED SURFACE IMPROVEMENTS**

**DEBLASIO & ASSOCIATES**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
MWA	MWA	MAD	01/21/2025

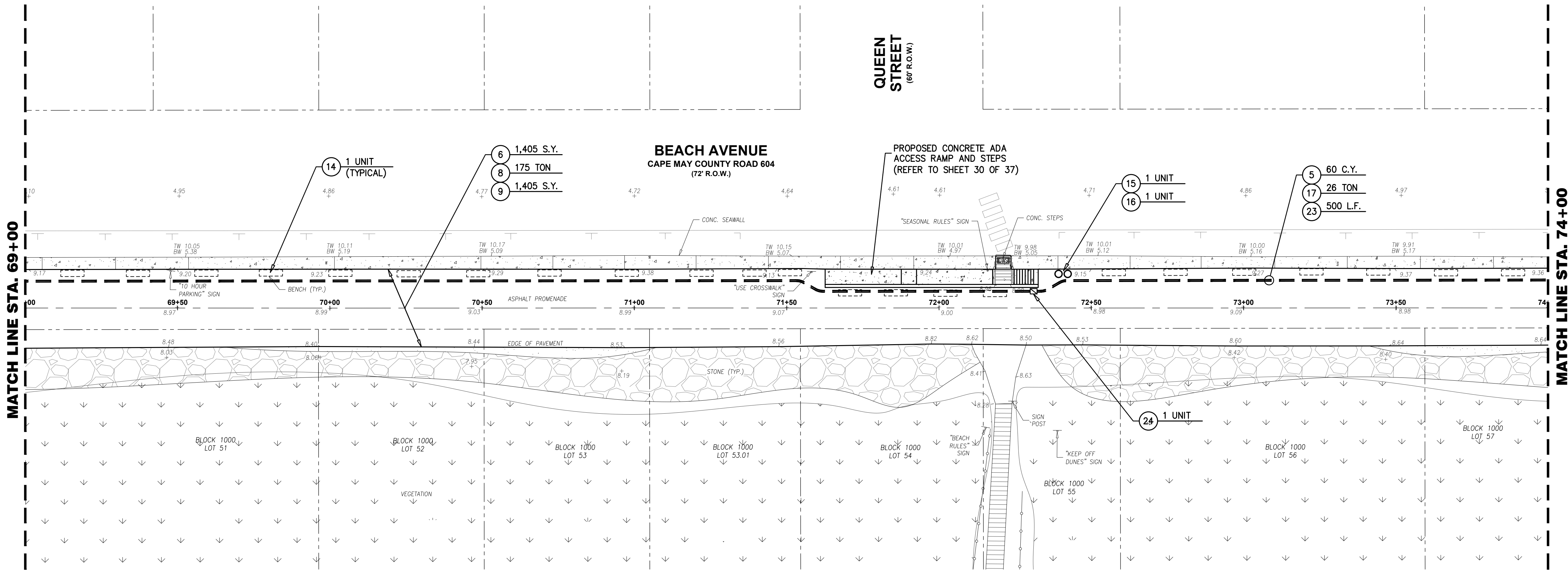
*Marc DeBlasio* 1/21/2025  
**MARC A. DEBLASIO, P.E.** DATE  
New Jersey License No. 41599  
Scale: AS NOTED App. No.: 20M-C-022 Sheet No.: 9 Total: 37

NO.	DATE	APPR.	REVISION

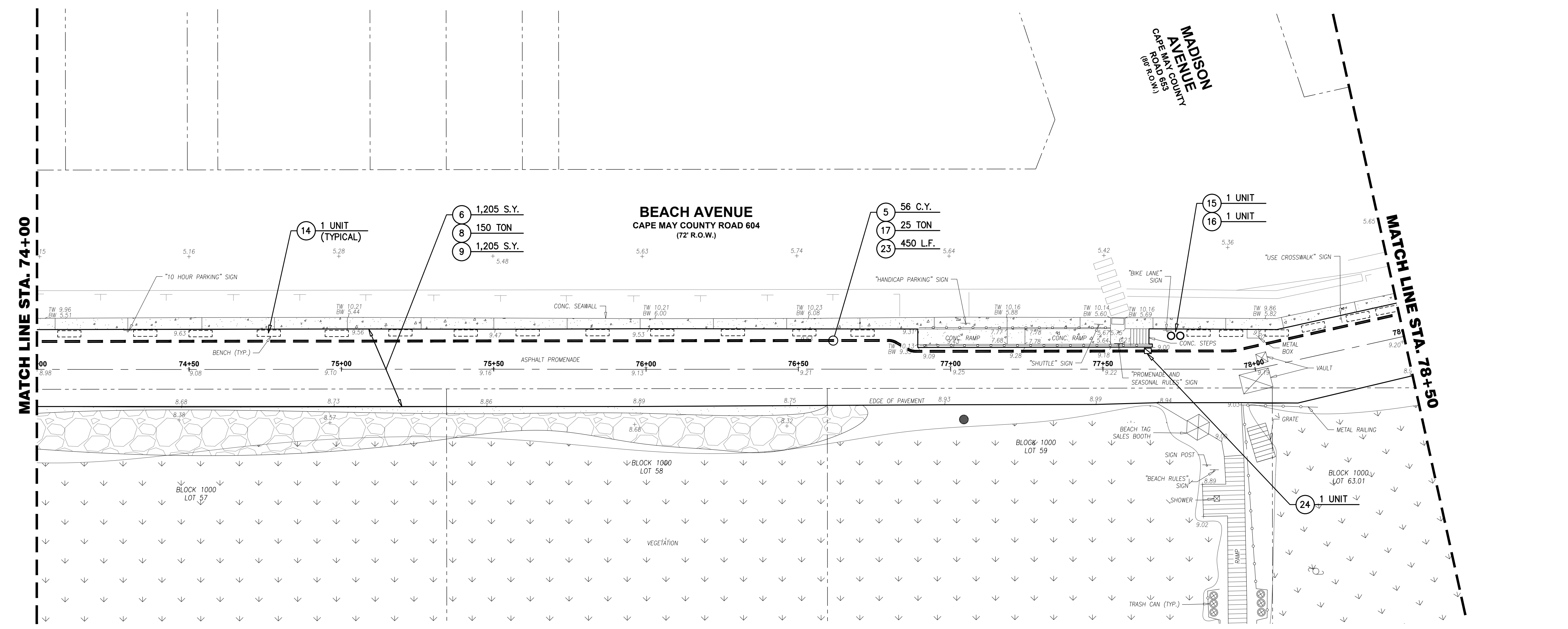
COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.



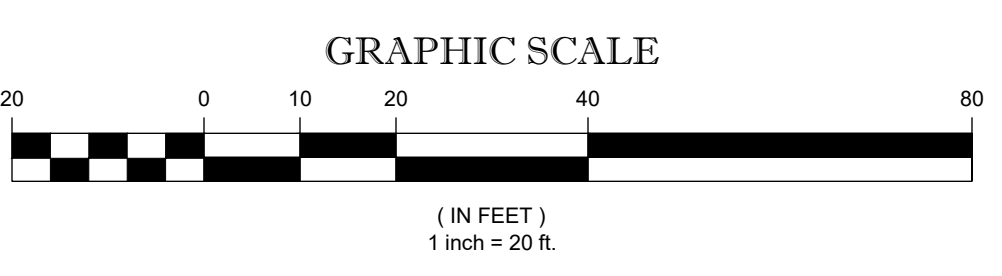
ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
5	DENSE GRADED AGGREGATE BASE COURSE, BACKFILL	C.Y.	116	
6	HMA MILLING, 0 TO 3" DEPTH	S.Y.	2,610	
8	HOT MIX ASPHALT SURFACE COURSE, MIX 9.5M64, 2" THICK	TON	325	
9	ASPHALT SOLAR REFLECTIVE COATING	S.Y.	2,610	
14	BENCHES, INSTALL	UNIT	42	
15	TRASH RECEPTACLE, FURNISH AND INSTALL	UNIT	2	
16	RECYCLING RECEPTACLE, FURNISH AND INSTALL	UNIT	2	
17	HOT MIX ASPHALT BASE COURSE, MIX 19M64, 4" THICK	TON	51	
23	TWO(2) 4" DIA. UNDERGROUND CONDUITS, SCHEDULE 80 PVC	L.F.	950	
24	UNDERGROUND HANDHOLE ENCLOSURE, 24"X24"X24"	UNIT	2	



**PLAN**  
SCALE : 1"=20'

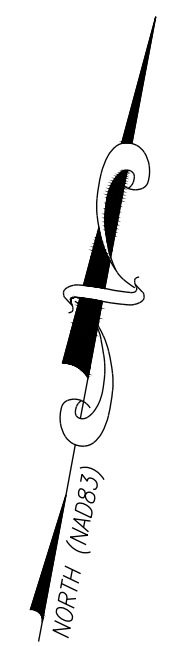


**PLAN**  
SCALE : 1"=20'



- SURVEY NOTES:**
- EXISTING TOPOGRAPHIC INFORMATION SHOWN WAS BASED ON A FIELD SURVEY PERFORMED BY DEBLASIO & ASSOCIATES, P.C. UNDER THE SUPERVISION OF HENRY V. ENGEL, N.J.P.L.S. NO. 35833, COMPLETED ON 08/19/2024.
  - ELEVATIONS SHOWN HEREON ARE IN FEET AND REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
  - HORIZONTAL CONTROL IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM (NAD 1983).
  - PROPERTY AND RIGHT-OF-WAY LINES SHOWN ARE APPROXIMATE LOCATIONS BASED ON THE CURRENT TAX MAPS OF THE CITY OF CAPE MAY, CAPE MAY COUNTY, NEW JERSEY. SAID LINES ARE SHOWN FOR GRAPHICAL INFORMATION ONLY AND HAVE NOT BEEN FIELD VERIFIED.

- CONSTRUCTION NOTES:**
- CONTRACTOR SHALL REFER TO SHEETS 12 THRU 18 FOR EXISTING CONCRETE SEAWALL REPAIRS.
  - CONTRACTOR SHALL REFER TO SHEETS 19 THRU 22 FOR EXISTING ADA RAMP IMPROVEMENTS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CAPE MAY COUNTY ROAD OPENING PERMIT FOR WORK WITHIN BEACH AVENUE (CAPE MAY COUNTY ROAD 604) RIGHT-OF-WAY. ALL COSTS ASSOCIATED WITH PERMIT ACQUISITION SHALL BE INCLUDED IN THE VARIOUS ITEMS IN THE BID FORM.



**PROPOSED SURFACE IMPROVEMENTS**

**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
MWA	MWA	MAD	01/21/2025

*Marc A. DeBlasio* 1/21/2025  
**MARC A. DEBLASIO, P.E.** DATE  
New Jersey License No. 41599

NO.	DATE	APPR.	REVISION

COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.

Scale:	Sheet No.:	Sheet No.:	Sheet No.:
AS NOTED	10	10	37



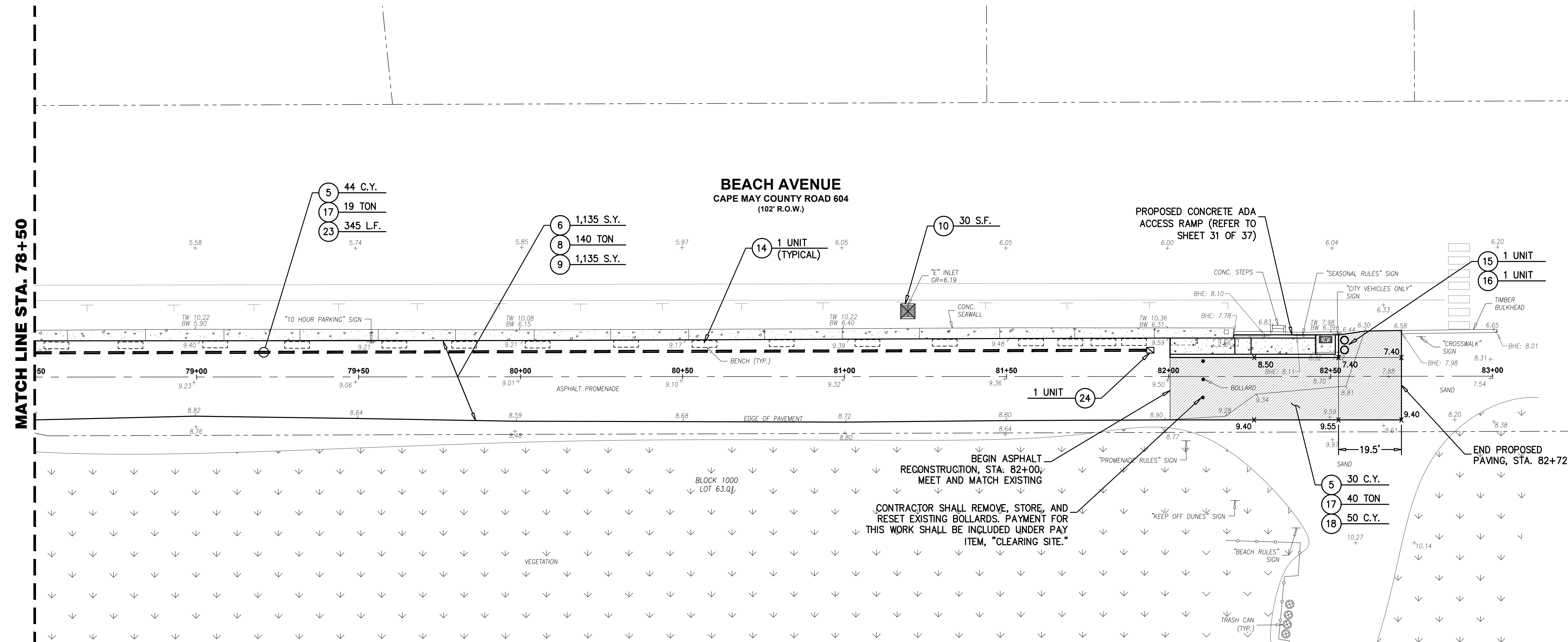
ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
5	DENSE GRADED AGGREGATE BASE COURSE, BACKFILL	C.Y.	74	
6	HMA MILLING, 0 TO 3" DEPTH	S.Y.	1,135	
8	HOT MIX ASPHALT SURFACE COURSE, MIX 9.5M64, 2" THICK	TON	140	
9	ASPHALT SOLAR REFLECTIVE COATING	S.Y.	1,135	
10	INLET FILTERS, TYPE 1	S.F.	30	
14	BENCHES, INSTALL	UNIT	16	
15	TRASH RECEPTACLE, FURNISH AND INSTALL	UNIT	1	
16	RECYCLING RECEPTACLE, FURNISH AND INSTALL	UNIT	1	
17	HOT MIX ASPHALT BASE COURSE, MIX 19M64, 4" THICK	TON	59	
18	EXCAVATION, UNCLASSIFIED	C.Y.	50	
23	TWO(2) 4" DIA. UNDERGROUND CONDUITS, SCHEDULE 80 PVC	L.F.	345	
24	UNDERGROUND HANDHOLE ENCLOSURE, 24"X24"X24"	UNIT	1	

**SURVEY NOTES:**

- EXISTING TOPOGRAPHIC INFORMATION SHOWN WAS BASED ON A FIELD SURVEY PERFORMED BY DEBLASIO & ASSOCIATES, P.C. UNDER THE SUPERVISION OF HENRY V. ENGEL, N.J.P.L.S. NO. 35833, COMPLETED ON 08/19/2024.
- ELEVATIONS SHOWN HEREON ARE IN FEET AND REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
- HORIZONTAL CONTROL IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM (NAD 1983).
- PROPERTY AND RIGHT-OF-WAY LINES SHOWN ARE APPROXIMATE LOCATIONS BASED ON THE CURRENT TAX MAPS OF THE CITY OF CAPE MAY, CAPE MAY COUNTY, NEW JERSEY. SAID LINES ARE SHOWN FOR GRAPHICAL INFORMATION ONLY AND HAVE NOT BEEN FIELD VERIFIED.

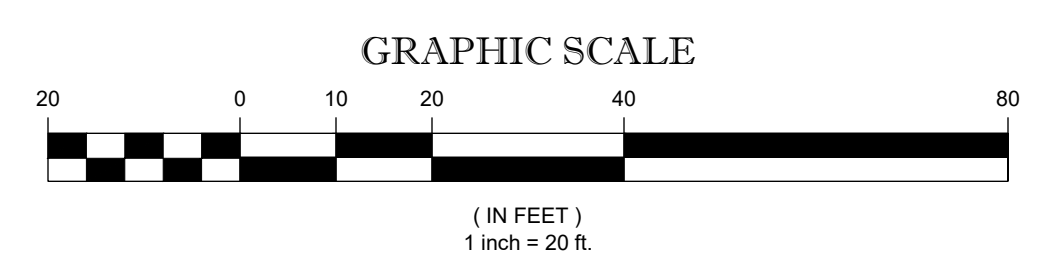
**CONSTRUCTION NOTES:**

- CONTRACTOR SHALL REFER TO SHEETS 12 THRU 18 FOR EXISTING CONCRETE SEAWALL REPAIRS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CAPE MAY COUNTY ROAD OPENING PERMIT FOR WORK WITHIN BEACH AVENUE (CAPE MAY COUNTY ROAD 604) RIGHT-OF-WAY. ALL COSTS ASSOCIATED WITH PERMIT ACQUISITION SHALL BE INCLUDED IN THE VARIOUS ITEMS IN THE BID FORM.



**PLAN**

SCALE : 1"=20'



**PROPOSED SURFACE IMPROVEMENTS**

**DEBLASIO & ASSOCIATES**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
MWA	MWA	MAD	01/21/2025

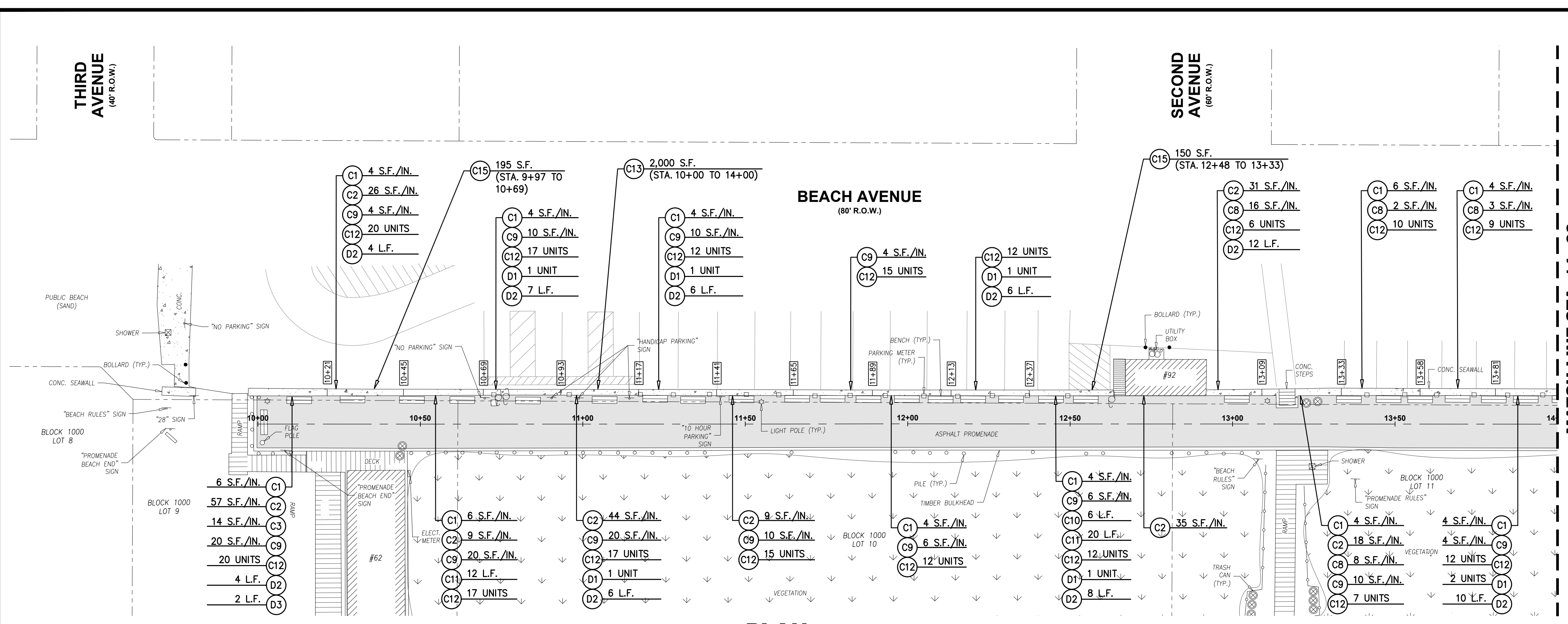
*Marc A. DeBlasio* 1/21/2025  
DATE  
**MARC A. DEBLASIO, P.E.**  
New Jersey License No. 41599

NO.	DATE	APPR.	REVISION

COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.

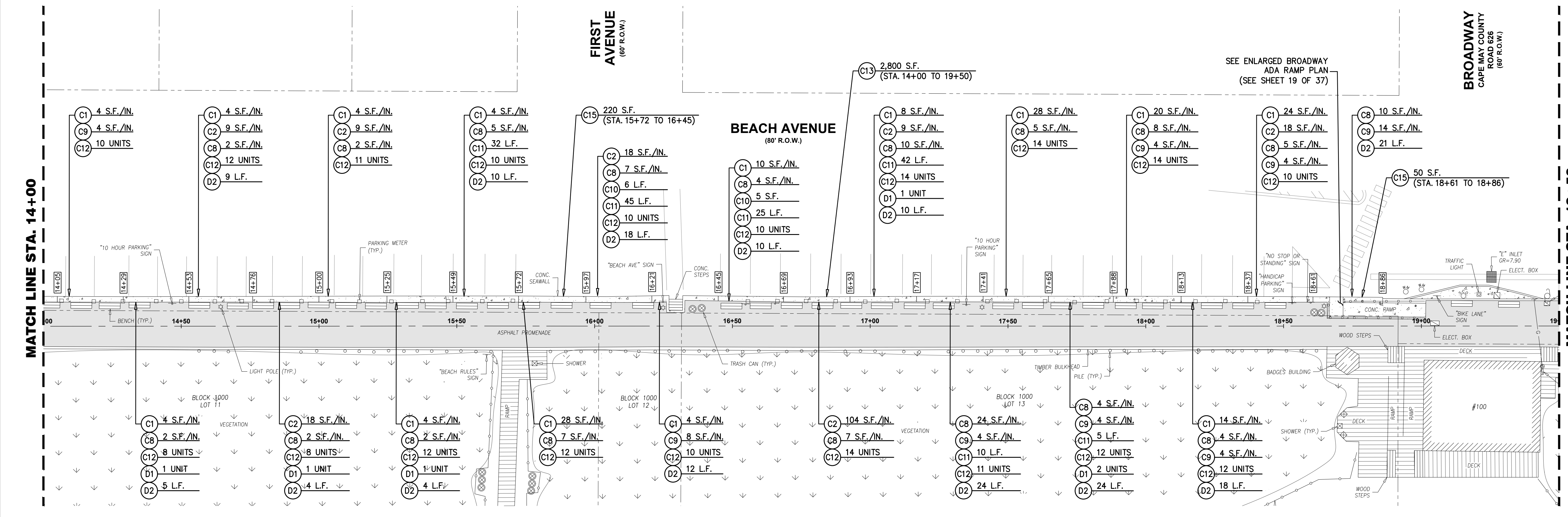
Scale:	AS NOTED	Sheet No.:	11	Total:	37
--------	----------	------------	----	--------	----





**PLAN**  
SCALE : 1"=20'

ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
C1	CONCRETE WALL REPAIR SPECIFICATION 1 - SHALLOW HORIZONTAL REPAIR (1/2" TO 3" DEEP RANGE)	S.F./IN.	210	
C2	CONCRETE WALL REPAIR SPECIFICATION 2A - DEEP HORIZONTAL REPAIR (3" TO 5" DEEP RANGE)	S.F./IN.	396	
C3	CONCRETE WALL REPAIR SPECIFICATION 2B - DEEP HORIZONTAL REPAIR (5" TO 8" DEEP RANGE)	S.F./IN.	14	
C8	CONCRETE WALL REPAIR SPECIFICATION 5 - VERTICAL SKIM COAT REPAIR (1/4" TO 1" DEEP RANGE)	S.F./IN.	139	
C9	CONCRETE WALL REPAIR SPECIFICATION 6 - VERTICAL HAND PATCH REPAIR (1" TO 3" DEEP RANGE)	S.F./IN.	170	
C10	CONCRETE WALL REPAIR SPECIFICATION 7 - VERTICAL CRACK SEALANT REPAIR - 1/2" WIDE X 1/2" DEEP	L.F.	17	
C11	CONCRETE WALL REPAIR SPECIFICATION 8 - HORIZONTAL CRACK EPOXY INJECTION REPAIR	L.F.	191	
C12	CONCRETE WALL REPAIR SPECIFICATION 9 - HOLE REPAIR	UNIT	427	
C13	FIRST TWO COATS OF SOLVENT BASED SOLID COLOR CONCRETE SEALER (SBSCCS)	S.F.	4,800	
C15	SAFETY YELLOW COATINGS	S.F.	615	
D1	DETAIL 1 - CORNER REPAIR	UNIT	13	
D2	DETAIL 2 - CURB REPAIR	L.F.	232	
D3	DETAIL 3 - END REPAIR 1	L.F.	2	



**PLAN**  
SCALE : 1"=20'

**EXISTING CONCRETE SEAWALL REPAIRS**

**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

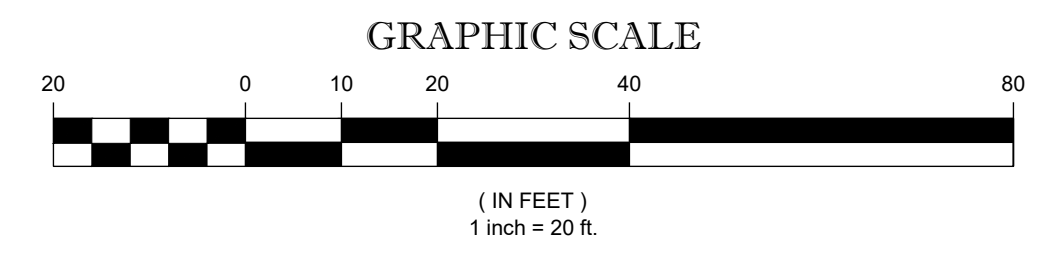
**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
DLH/RCC	RCC	MAD	01/21/2025

NO. DATE APPR. REVISION

*Man DeBlasio* 1/21/2025  
DATE  
MARC A. DEBLASIO, P.E.  
New Jersey License No. 41599

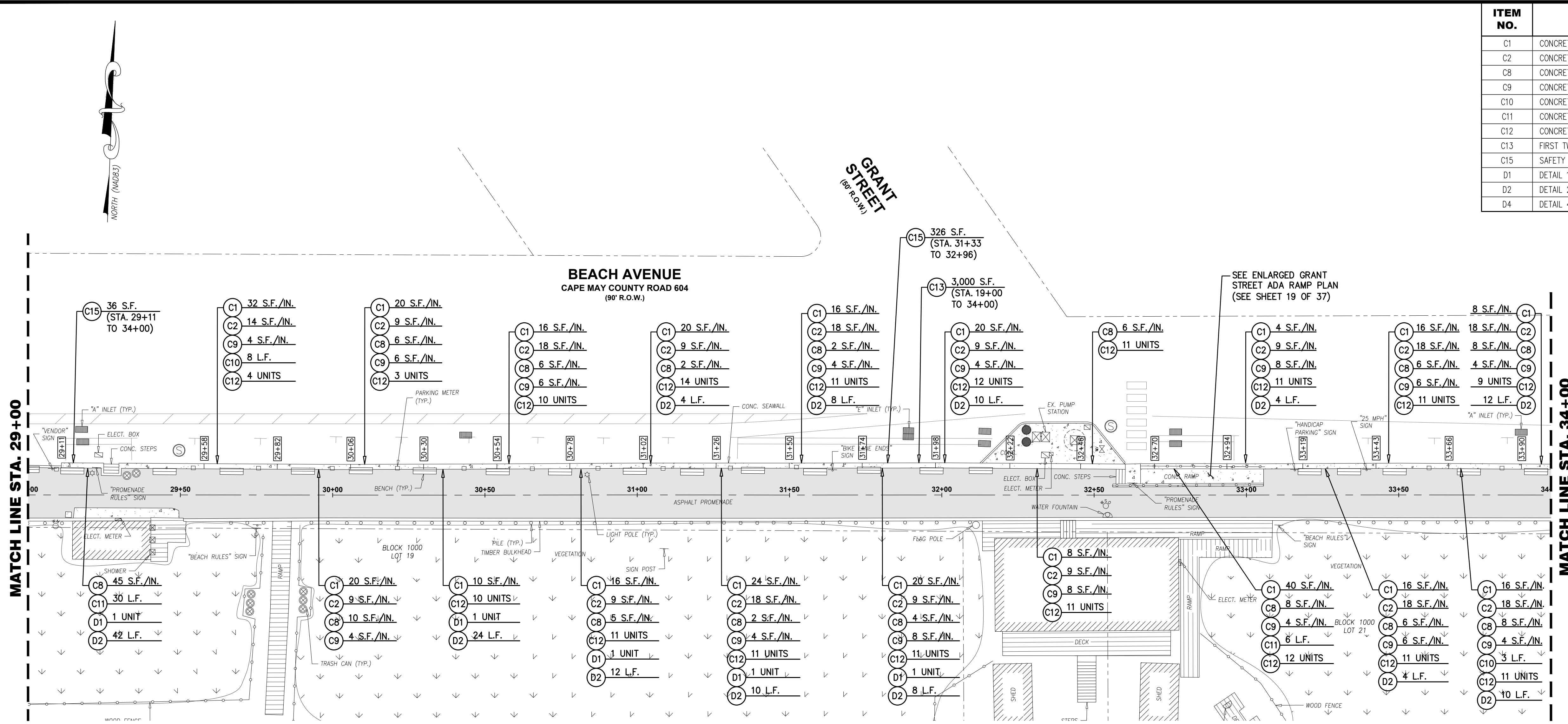
Scale:	Sheet No.:	Total:
AS NOTED	37	37



COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.

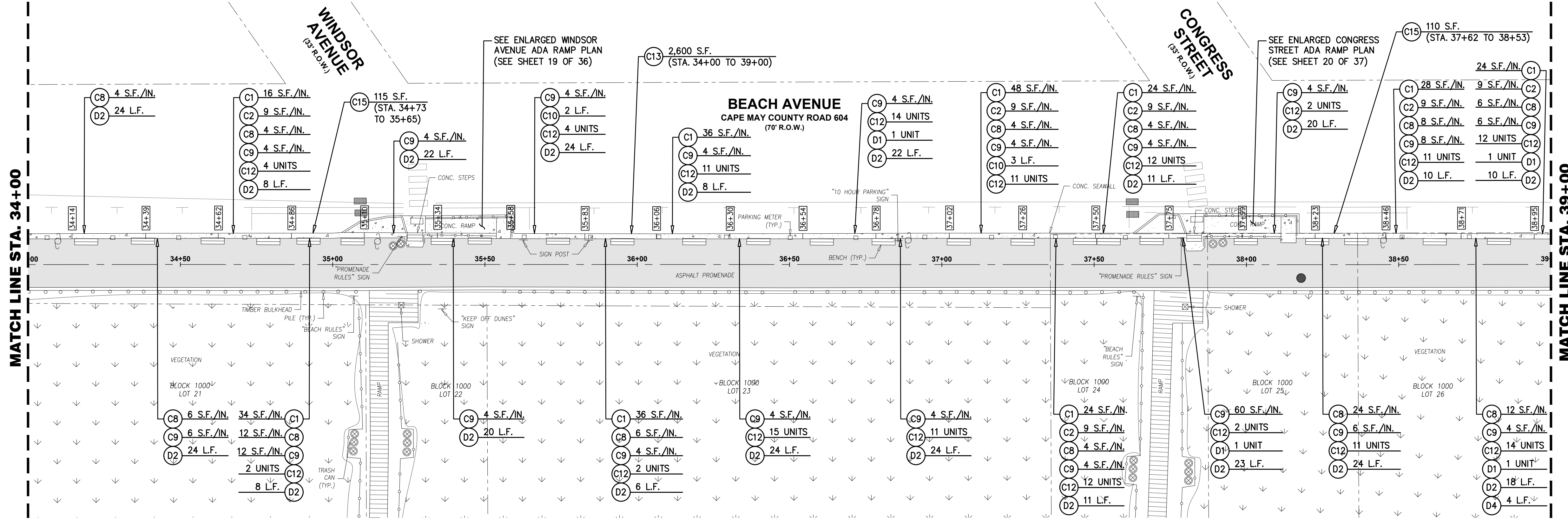


ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
C1	CONCRETE WALL REPAIR SPECIFICATION 1 - SHALLOW HORIZONTAL REPAIR (1/2" TO 3" DEEP RANGE)	S.F./IN.	592	
C2	CONCRETE WALL REPAIR SPECIFICATION 2A - DEEP HORIZONTAL REPAIR (3" TO 5" DEEP RANGE)	S.F./IN.	266	
C8	CONCRETE WALL REPAIR SPECIFICATION 5 - VERTICAL SKIM COAT REPAIR (1/4" TO 1" DEEP RANGE)	S.F./IN.	218	
C9	CONCRETE WALL REPAIR SPECIFICATION 6 - VERTICAL HAND PATCH REPAIR (1" TO 3" DEEP RANGE)	S.F./IN.	152	
C10	CONCRETE WALL REPAIR SPECIFICATION 7 - VERTICAL CRACK SEALANT REPAIR - 1/2" WDE X 1/2" DEEP	L.F.	16	
C11	CONCRETE WALL REPAIR SPECIFICATION 8 - HORIZONTAL CRACK EPOXY INJECTION REPAIR	L.F.	36	
C12	CONCRETE WALL REPAIR SPECIFICATION 9 - HOLE REPAIR	UNIT	334	
C13	FIRST TWO COATS OF SOLVENT BASED SOLID COLOR CONCRETE SEALER (SBSOCS)	S.F.	5,600	
C15	SAFETY YELLOW COATINGS	S.F.	587	
D1	DETAIL 1 - CORNER REPAIR	UNIT	9	
D2	DETAIL 2 - CURB REPAIR	L.F.	489	
D4	DETAIL 4 - END REPAIR 2	L.F.	4	



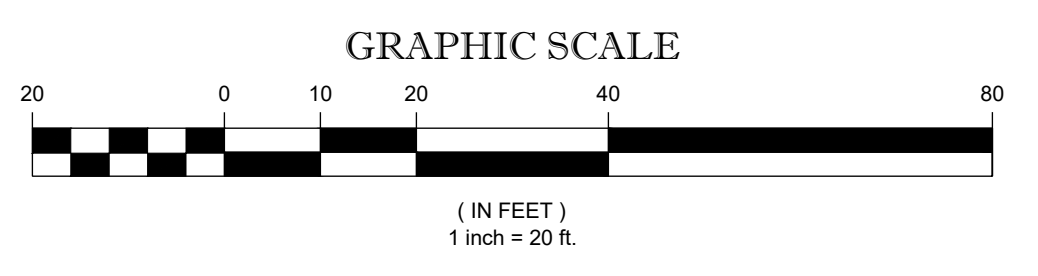
**PLAN**

SCALE : 1"=20'



**PLAN**

SCALE : 1"=20'



**EXISTING CONCRETE SEAWALL REPAIRS**

**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

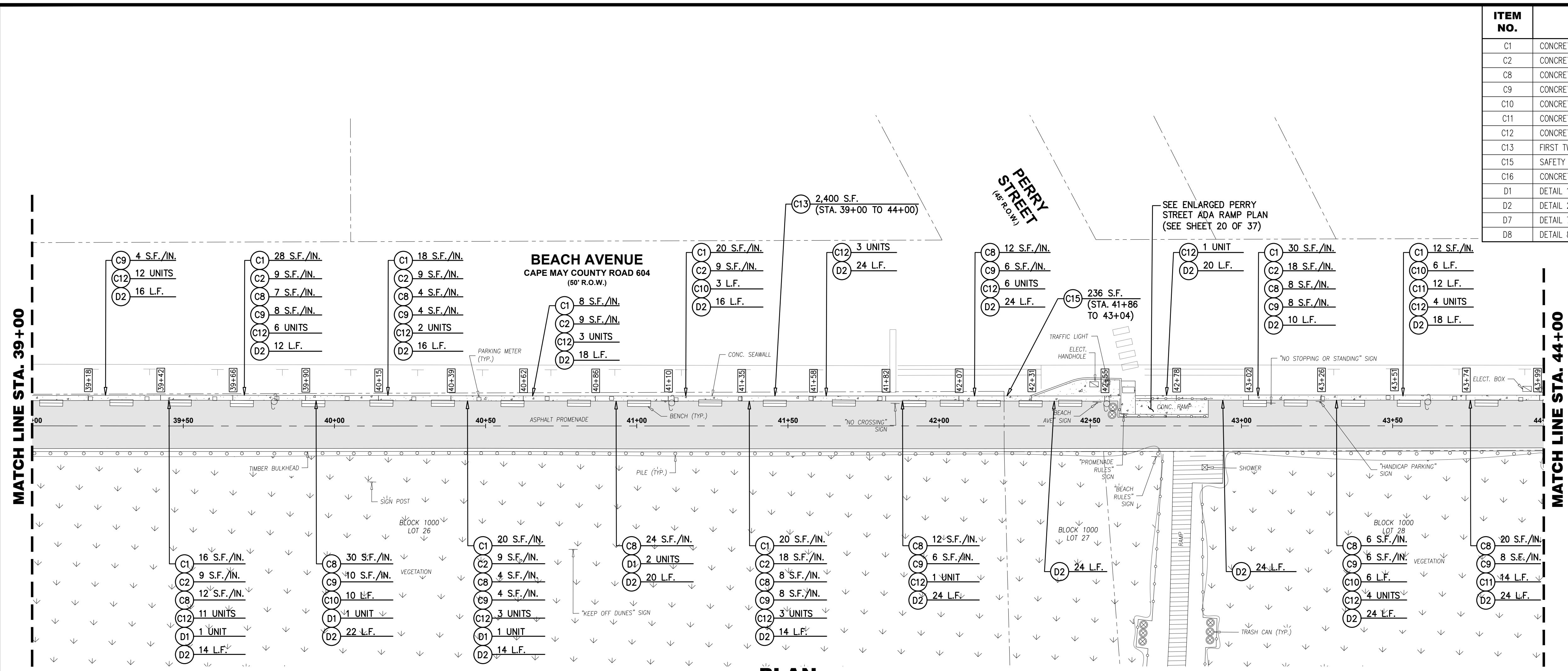
Design:	Drawn:	Check:	Date:
DLH/RCC	RCC	MAD	01/21/2025

*Marc A. DeBlasio* 1/21/2025  
**MARC A. DEBLASIO, P.E.** DATE  
New Jersey License No. 41599  
Scale: AS NOTED Job No. 24CA-C-021 Sheet No. 13 of 37

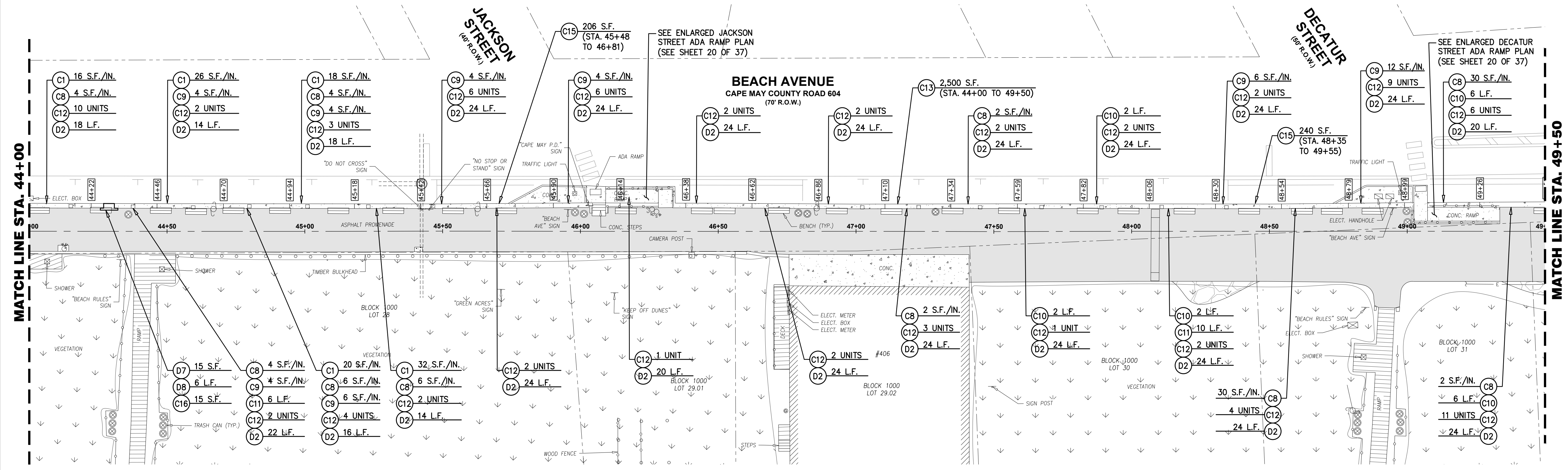
REVISION  
NO. DATE APPR.  
COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.



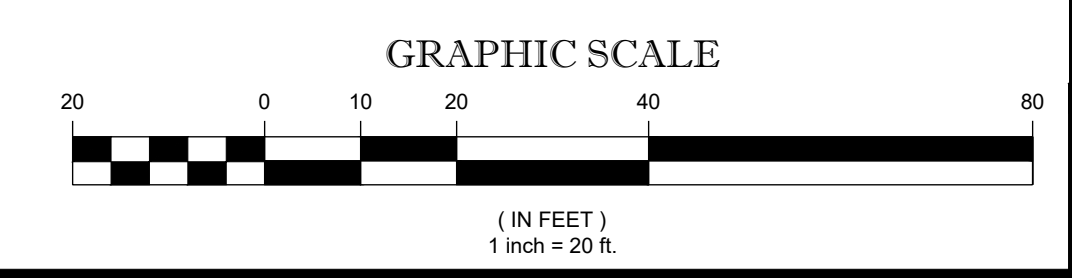
ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
C1	CONCRETE WALL REPAIR SPECIFICATION 1 - SHALLOW HORIZONTAL REPAIR (1/2" TO 3" DEEP RANGE)	S.F./IN.	284	
C2	CONCRETE WALL REPAIR SPECIFICATION 2A - DEEP HORIZONTAL REPAIR (3" TO 5" DEEP RANGE)	S.F./IN.	90	
C8	CONCRETE WALL REPAIR SPECIFICATION 5 - VERTICAL SKIM COAT REPAIR (1/4" TO 1" DEEP RANGE)	S.F./IN.	237	
C9	CONCRETE WALL REPAIR SPECIFICATION 6 - VERTICAL HAND PATCH REPAIR (1" TO 3" DEEP RANGE)	S.F./IN.	112	
C10	CONCRETE WALL REPAIR SPECIFICATION 7 - VERTICAL CRACK SEALANT REPAIR - 1/2" WDE X 1/2" DEEP	L.F.	43	
C11	CONCRETE WALL REPAIR SPECIFICATION 8 - HORIZONTAL CRACK EPOXY INJECTION REPAIR	L.F.	42	
C12	CONCRETE WALL REPAIR SPECIFICATION 9 - HOLE REPAIR	UNIT	145	
C13	FIRST TWO COATS OF SOLVENT BASED SOLID COLOR CONCRETE SEALER (SBSOCS)	S.F.	4,900	
C15	SAFETY YELLOW COATINGS	S.F.	682	
C16	CONCRETE PENETRATING SEALER	S.F.	15	
D1	DETAIL 1 - CORNER REPAIR	UNIT	5	
D2	DETAIL 2 - CURB REPAIR	L.F.	880	
D7	DETAIL 7 - REINFORCED CONCRETE SLAB, 6" THICK	S.F.	15	
D8	DETAIL 8 - EXPANSION JOINT	L.F.	5	



**PLAN**  
SCALE : 1"=20'



**PLAN**  
SCALE : 1"=20'



NO.	DATE	APPR.	REVISION

DESIGN: DLH/RCC  
DRAWN: RCC  
CHECK: MAD  
DATE: 01/21/2025

Copyright 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.

**EXISTING CONCRETE SEAWALL REPAIRS**

**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

1/21/2025  
MARC A. DEBLASIO, P.E.  
New Jersey License No. 41599



MATCH LINE STA. 49+50

MATCH LINE STA. 54+00

PLAN

SCALE : 1"=20'

ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
C1	CONCRETE WALL REPAIR SPECIFICATION 1 - SHALLOW HORIZONTAL REPAIR (1/2" TO 3" DEEP RANGE)	S.F./IN.	352	
C2	CONCRETE WALL REPAIR SPECIFICATION 2A - DEEP HORIZONTAL REPAIR (3" TO 5" DEEP RANGE)	S.F./IN.	81	
C8	CONCRETE WALL REPAIR SPECIFICATION 5 - VERTICAL SKIM COAT REPAIR (1/4" TO 1" DEEP RANGE)	S.F./IN.	741	
C9	CONCRETE WALL REPAIR SPECIFICATION 6 - VERTICAL HAND PATCH REPAIR (1" TO 3" DEEP RANGE)	S.F./IN.	108	
C10	CONCRETE WALL REPAIR SPECIFICATION 7 - VERTICAL CRACK SEALANT REPAIR - 1/2" WDE X 1/2" DEEP	L.F.	22	
C11	CONCRETE WALL REPAIR SPECIFICATION 8 - HORIZONTAL CRACK EPOXY INJECTION REPAIR	L.F.	316	
C12	CONCRETE WALL REPAIR SPECIFICATION 9 - HOLE REPAIR	UNIT	384	
C13	FIRST TWO COATS OF SOLVENT BASED SOLID COLOR CONCRETE SEALER (SBSCCS)	S.F.	5,100	
C15	SAFETY YELLOW COATINGS	S.F.	446	
C16	CONCRETE PENETRATING SEALER	S.F.	14	
D1	DETAIL 1 - CORNER REPAIR	UNIT	3	
D2	DETAIL 2 - CURB REPAIR	L.F.	749	

MATCH LINE STA. 54+00

MATCH LINE STA. 59+00

PLAN

SCALE : 1"=20'

GRAPHIC SCALE



**EXISTING CONCRETE SEAWALL REPAIRS**

**DeBlasio & Associates**  
 ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
 WILDWOOD, NJ 08260  
 PHONE (609) 854-3311  
 FAX (609) 854-4323  
 WWW.DEBLASIOASSOC.COM  
 Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
 CITY OF CAPE MAY  
 CAPE MAY COUNTY, NEW JERSEY

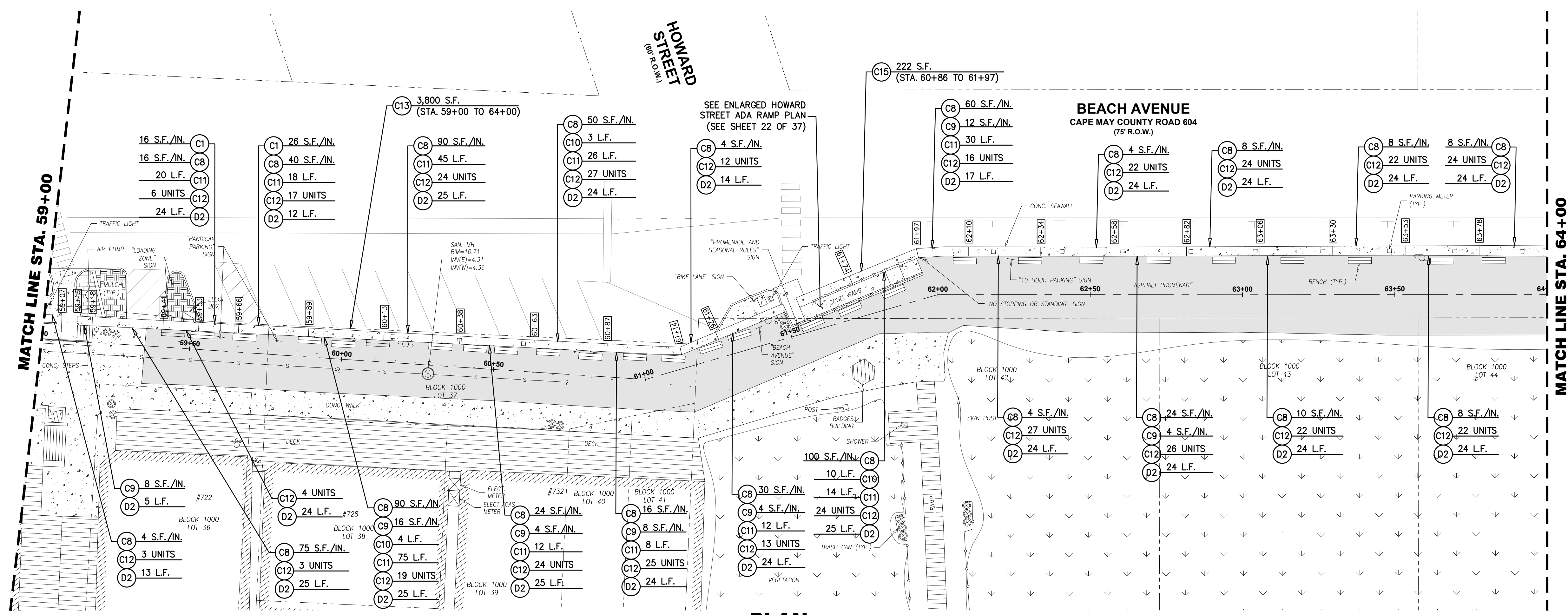
Design:	Drawn:	Check:	Date:
DLH/RCC	RCC	MAD	01/21/2025

*Marc A. DeBlasio* 1/21/2025  
**MARC A. DEBLASIO, P.E.** DATE  
 New Jersey License No. 41599  
 Scale: AS NOTED Job No.: 24CA-C-024 Sheet No.: 15 Total: 37

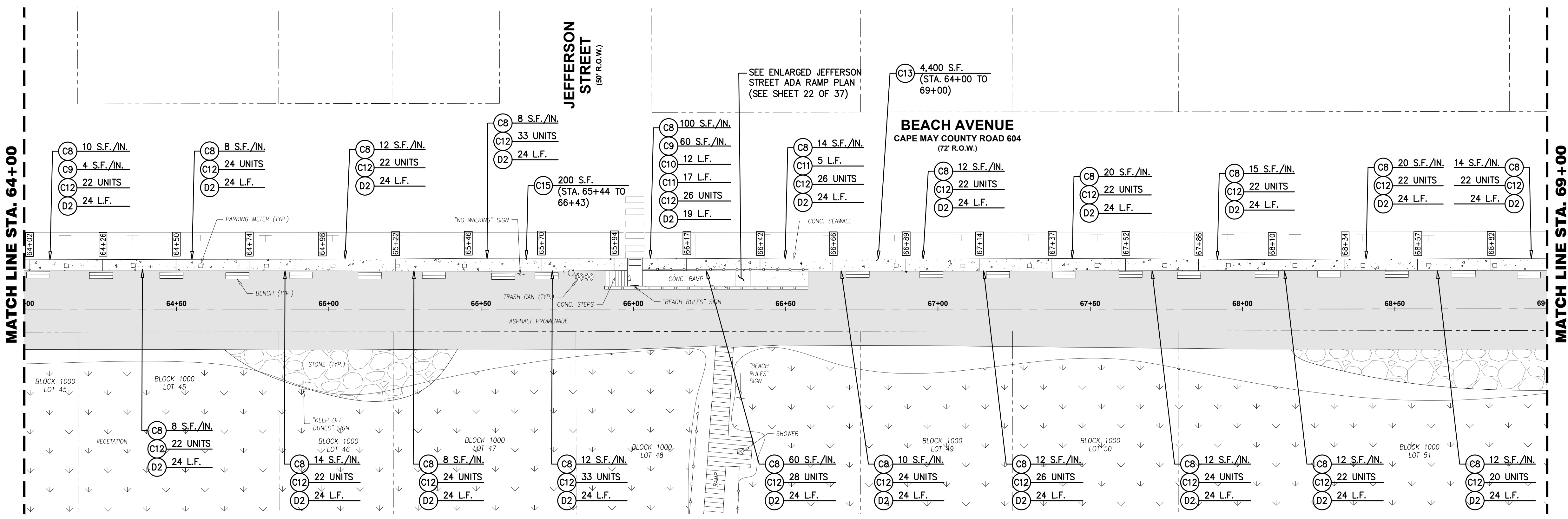
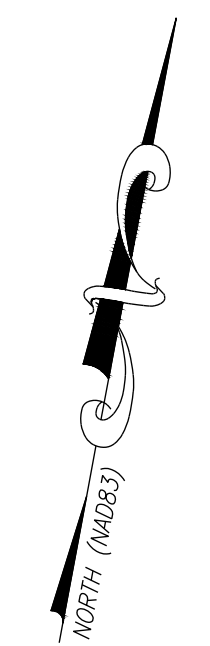
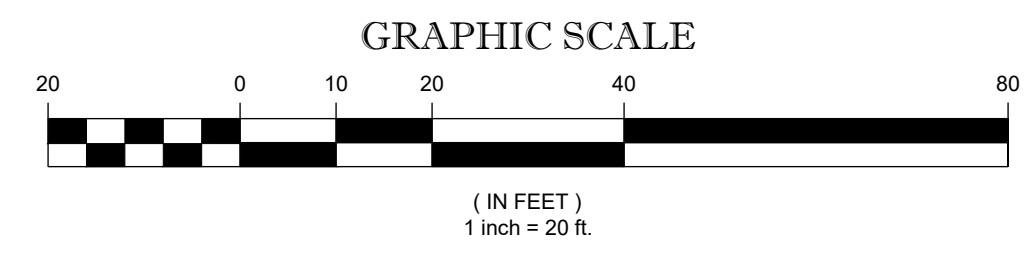
COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS ORIGINAL OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.



ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
C1	CONCRETE WALL REPAIR SPECIFICATION 1 - SHALLOW HORIZONTAL REPAIR (1/2" TO 3" DEEP RANGE)	S.F./IN.	42	
C8	CONCRETE WALL REPAIR SPECIFICATION 5 - VERTICAL SKIM COAT REPAIR (1/4" TO 1" DEEP RANGE)	S.F./IN.	1,066	
C9	CONCRETE WALL REPAIR SPECIFICATION 6 - VERTICAL HAND PATCH REPAIR (1" TO 3" DEEP RANGE)	S.F./IN.	120	
C10	CONCRETE WALL REPAIR SPECIFICATION 7 - VERTICAL CRACK SEALANT REPAIR - 1/2" WIDE X 1/2" DEEP	L.F.	29	
C11	CONCRETE WALL REPAIR SPECIFICATION 8 - HORIZONTAL CRACK EPOXY INJECTION REPAIR	L.F.	182	
C12	CONCRETE WALL REPAIR SPECIFICATION 9 - HOLE REPAIR	UNIT	914	
C13	FIRST TWO COATS OF SOLVENT BASED SOLID COLOR CONCRETE SEALER (SBSCCS)	S.F.	8,200	
C15	SAFETY YELLOW COATINGS	S.F.	422	
D2	DETAIL 2 - CURB REPAIR	L.F.	997	



**PLAN**  
SCALE : 1"=20'



**PLAN**  
SCALE : 1"=20'

**EXISTING CONCRETE SEAWALL REPAIRS**

**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24GA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
DLH/RCC	RCC	MAD	01/21/2025

*Marc DeBlasio* 1/21/2025  
DATE

MARC A. DEBLASIO, P.E.  
New Jersey License No. 41599

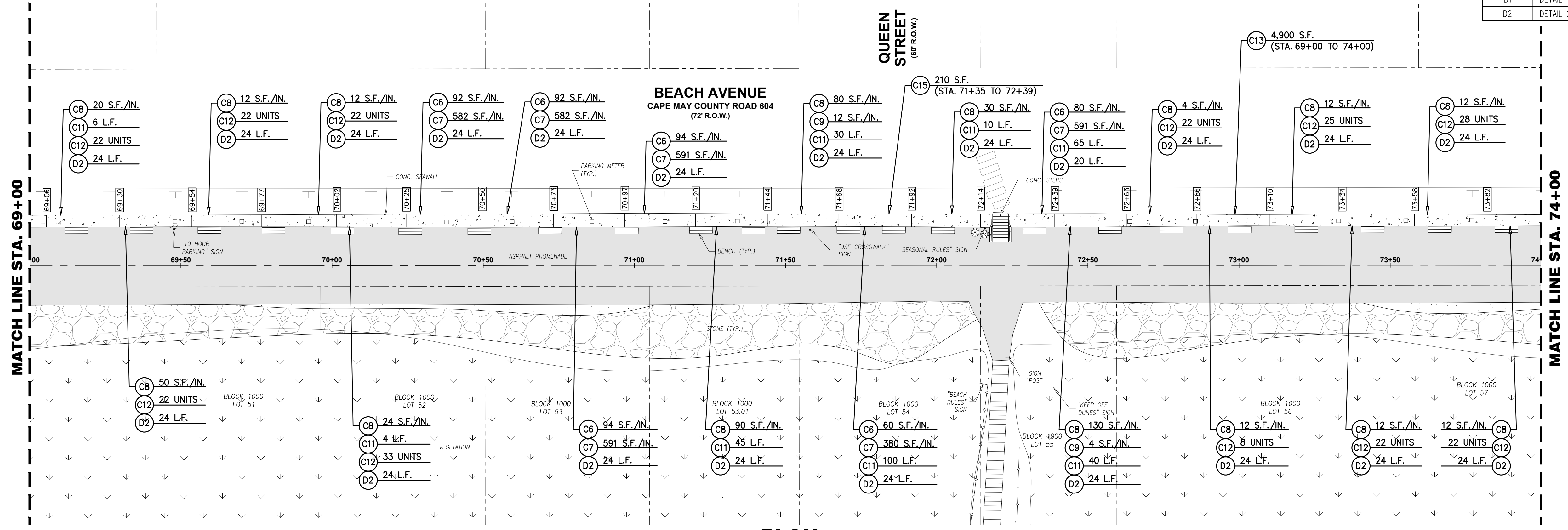
NO.	DATE	APPR.	REVISION

COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.

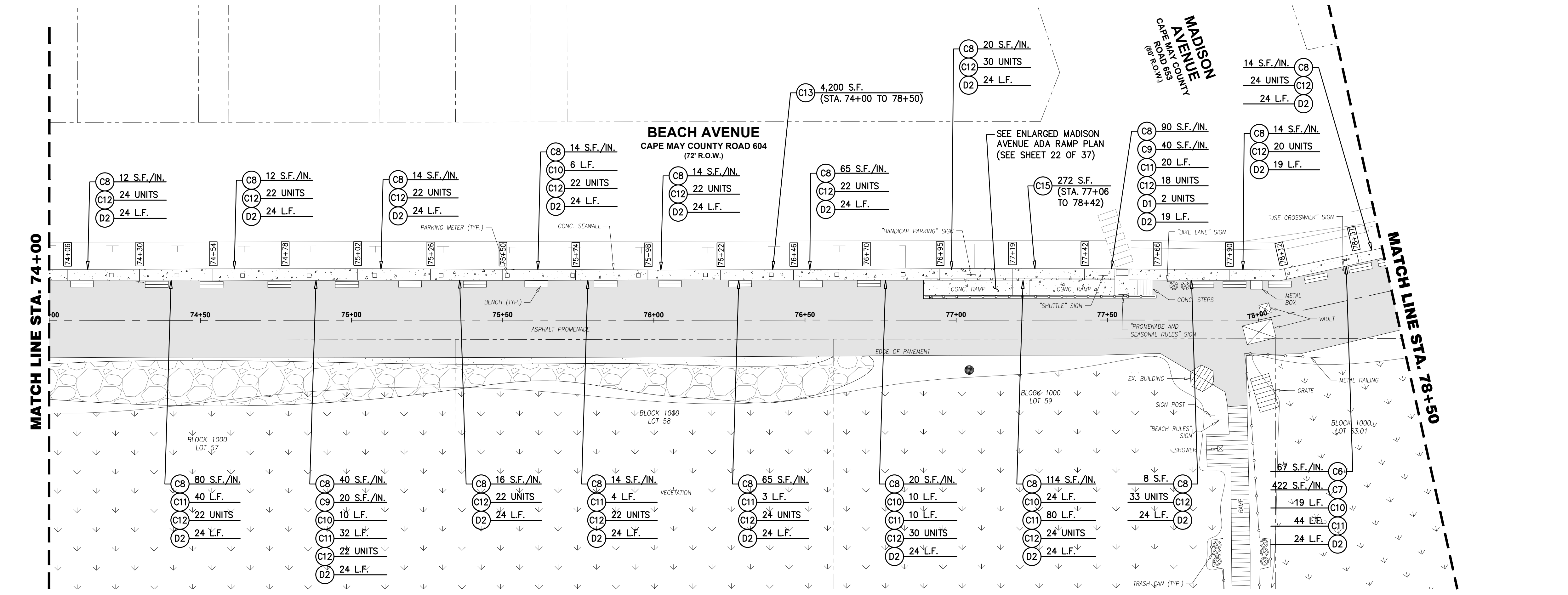
Scale:	Sheet No.:	Total:
AS NOTED	16	37



ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
C6	CONCRETE WALL REPAIR SPECIFICATION 4A - SHOTCRETE REPAIR (1" TO 3" DEEP RANGE)	S.F./IN.	579	
C7	CONCRETE WALL REPAIR SPECIFICATION 4B - SHOTCRETE REPAIR (3" TO 8" DEEP RANGE)	S.F./IN.	3,739	
C8	CONCRETE WALL REPAIR SPECIFICATION 5 - VERTICAL SKIM COAT REPAIR (1/4" TO 1" DEEP RANGE)	S.F./IN.	1,138	
C9	CONCRETE WALL REPAIR SPECIFICATION 6 - VERTICAL HAND PATCH REPAIR (1" TO 3" DEEP RANGE)	S.F./IN.	76	
C10	CONCRETE WALL REPAIR SPECIFICATION 7 - VERTICAL CRACK SEALANT REPAIR - 1/2" WIDE X 1/2" DEEP	L.F.	69	
C11	CONCRETE WALL REPAIR SPECIFICATION 8 - HORIZONTAL CRACK EPOXY INJECTION REPAIR	L.F.	533	
C12	CONCRETE WALL REPAIR SPECIFICATION 9 - HOLE REPAIR	UNIT	673	
C13	FIRST TWO COATS OF SOLVENT BASED SOLID COLOR CONCRETE SEALER (SBSOCS)	S.F.	9,100	
C15	SAFETY YELLOW COATINGS	S.F.	482	
D1	DETAIL 1 - CORNER REPAIR	UNIT	2	
D2	DETAIL 2 - CURB REPAIR	L.F.	946	



**PLAN**  
SCALE : 1"=20'



**PLAN**  
SCALE : 1"=20'

**EXISTING CONCRETE SEAWALL REPAIRS**

**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
DLH/RCC	RCC	MAD	01/21/2025

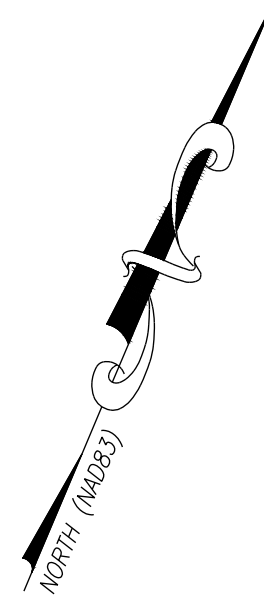
*Marc DeBlasio* 1/21/2025  
MARC A. DEBLASIO, P.E. DATE

New Jersey License No. 41599  
Scale: AS NOTED  
Sheet No: 17  
Total: 37

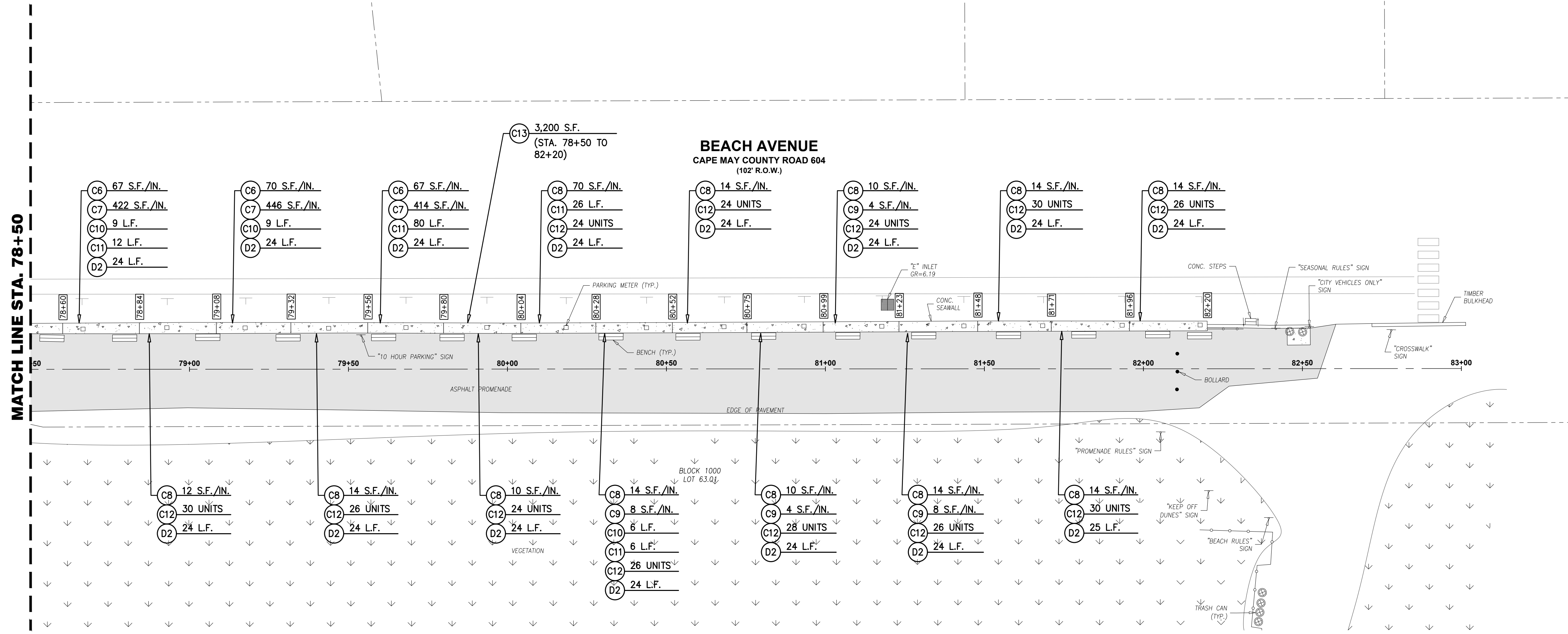
NO.	DATE	APPR.	REVISION

COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.





ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
C6	CONCRETE WALL REPAIR SPECIFICATION 4A - SHOTCRETE REPAIR (1" TO 3" DEEP RANGE)	S.F./IN.	204	
C7	CONCRETE WALL REPAIR SPECIFICATION 4B - SHOTCRETE REPAIR (3" TO 8" DEEP RANGE)	S.F./IN.	1,282	
C8	CONCRETE WALL REPAIR SPECIFICATION 5 - VERTICAL SKIM COAT REPAIR (1/4" TO 1" DEEP RANGE)	S.F./IN.	210	
C9	CONCRETE WALL REPAIR SPECIFICATION 6 - VERTICAL HAND PATCH REPAIR (1" TO 3" DEEP RANGE)	S.F./IN.	24	
C10	CONCRETE WALL REPAIR SPECIFICATION 7 - VERTICAL CRACK SEALANT REPAIR - 1/2" WDE X 1/2" DEEP	L.F.	24	
C11	CONCRETE WALL REPAIR SPECIFICATION 8 - HORIZONTAL CRACK EPOXY INJECTION REPAIR	L.F.	124	
C12	CONCRETE WALL REPAIR SPECIFICATION 9 - HOLE REPAIR	UNIT	318	
C13	FIRST TWO COATS OF SOLVENT BASED SOLID COLOR CONCRETE SEALER (SBSCCS)	S.F.	3,200	
D2	DETAIL 2 - CURB REPAIR	L.F.	361	



**PLAN**  
SCALE : 1"=20'

**EXISTING  
CONCRETE  
SEAWALL REPAIRS**

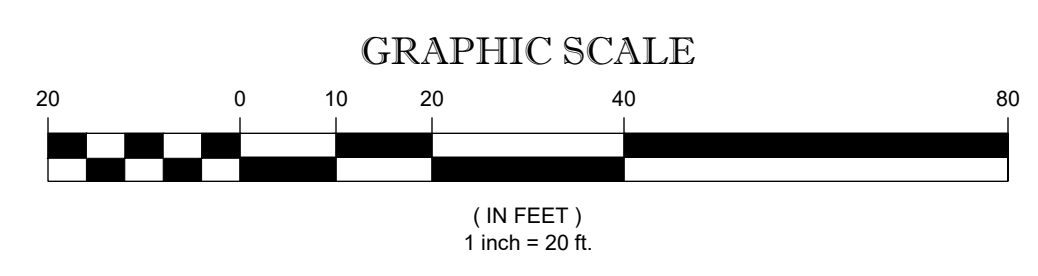
**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE  
IMPROVEMENTS (PHASE 1)  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY**

Design:	Drawn:	Check:	Date:
DLH/RCC	RCC	MAD	01/21/2025

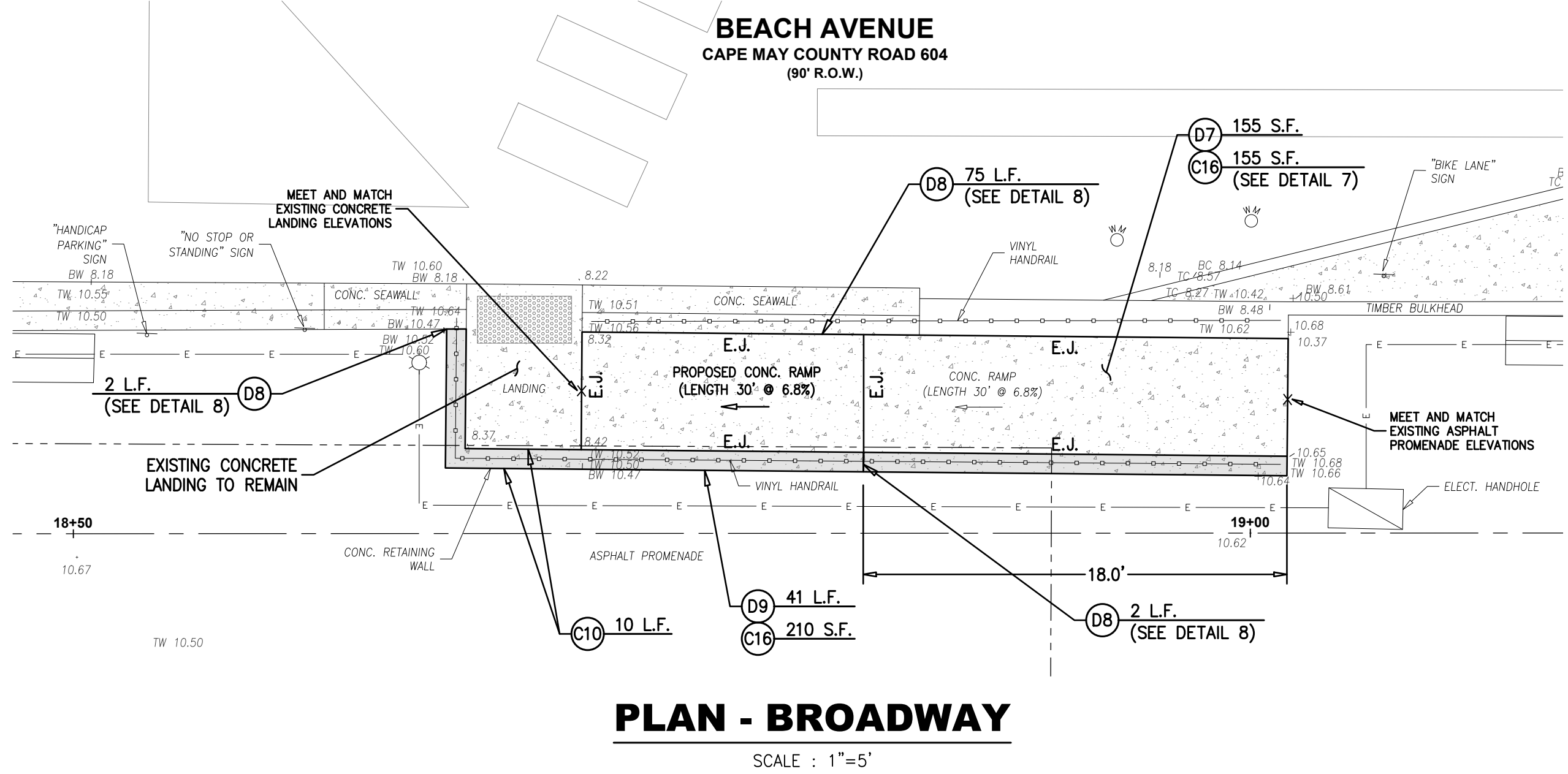
*Marc DeBlasio* 1/21/2025  
**MARC A. DEBLASIO, P.E.** DATE  
New Jersey License No. 41599  
Scale: AS NOTED Job No.: 25M-C-023 Sheet No.: 16 Total: 37



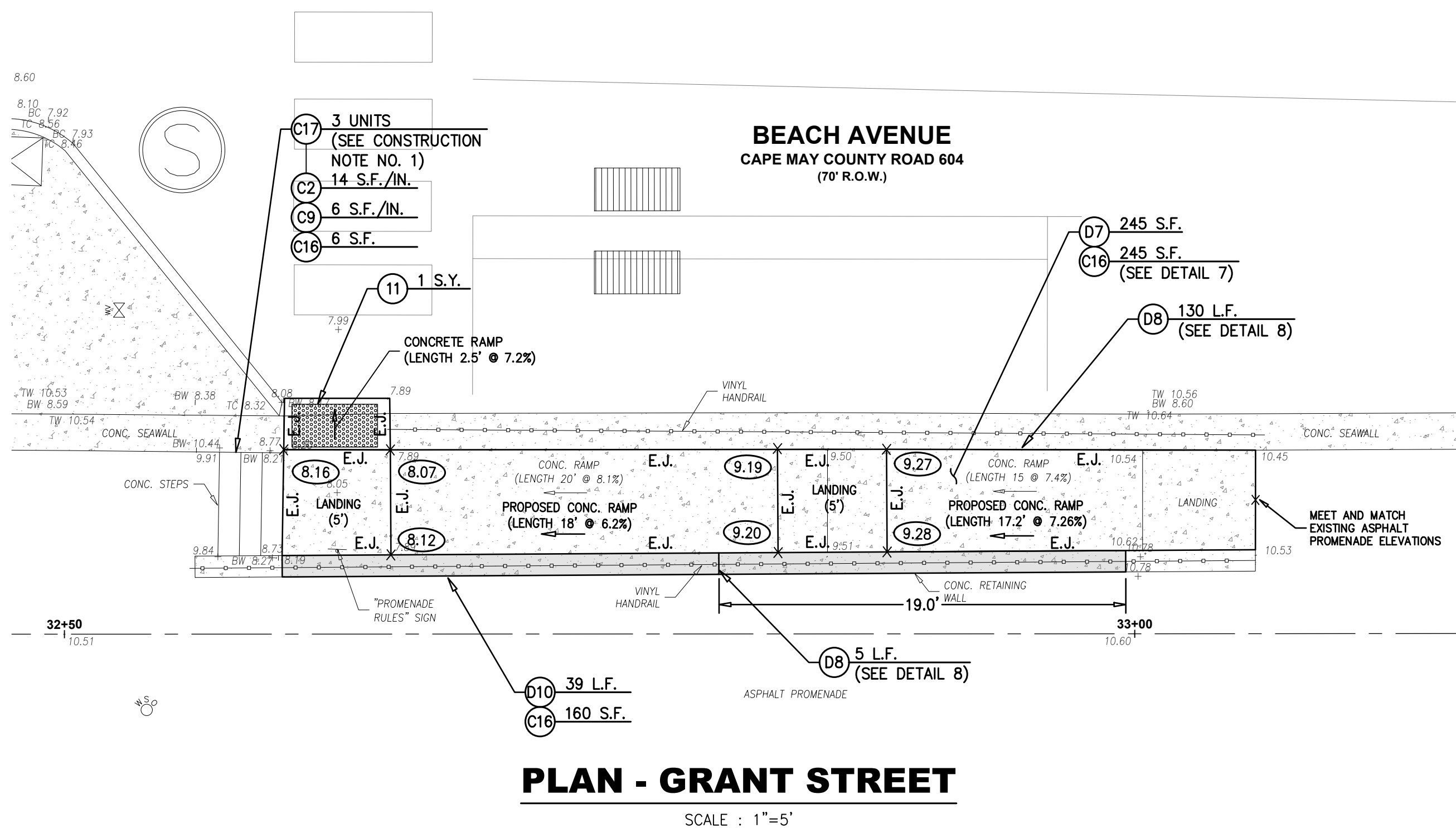
NO.	DATE	APPR.	REVISION

COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.

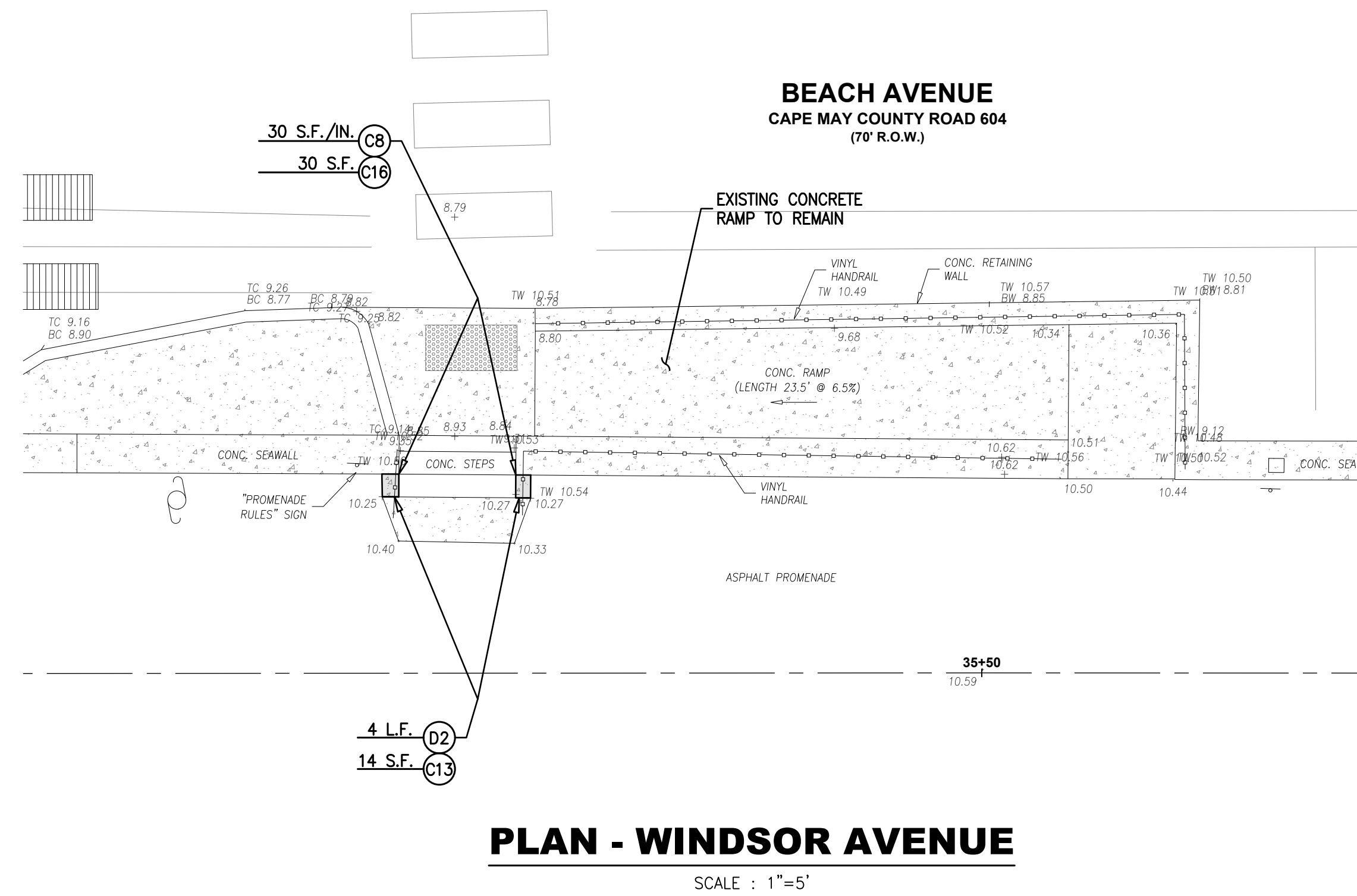




**PLAN - BROADWAY**  
SCALE : 1"=5'



**PLAN - GRANT STREET**  
SCALE : 1"=5'



**PLAN - WINDSOR AVENUE**  
SCALE : 1"=5'

ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
11	DETECTABLE WARNING SURFACES	S.Y.	1	
C2	CONCRETE WALL REPAIR SPECIFICATION 2A - DEEP HORIZONTAL REPAIR (3" TO 5" DEEP RANGE)	S.F./IN.	14	
C8	CONCRETE WALL REPAIR SPECIFICATION 5 - VERTICAL SKIM COAT REPAIR (1/4" TO 1" DEEP RANGE)	S.F./IN.	30	
C9	CONCRETE WALL REPAIR SPECIFICATION 6 - VERTICAL HAND PATCH REPAIR (1" TO 3" DEEP RANGE)	S.F./IN.	6	
C10	CONCRETE WALL REPAIR SPECIFICATION 7 - VERTICAL CRACK SEALANT REPAIR - 1/2" WIDE X 1/2" DEEP	L.F.	10	
C13	CONCRETE WALL REPAIR SPECIFICATION 10 - FIRST TWO COATS OF SOLVENT BASED SOLID COLOR CONCRETE SEALER (SBSOCS)	S.F.	14	
C16	CONCRETE REPAIR SPECIFICATION 12 - SURFACE APPLIED PENETRATING SEALER	S.F.	806	
C17	CUT THROUGH EXISTING REBAR AT WALL/STEP INTERFACE	UNIT	3	
D2	DETAIL 2 - CURB REPAIR	L.F.	4	
D7	DETAIL 7 - REINFORCED CONCRETE SLAB, 6" THICK	S.F.	400	
D8	DETAIL 8 - EXPANSION JOINT	L.F.	214	
D9	DETAIL 9 - WALL REPAIR 1	L.F.	41	
D10	DETAIL 10 - WALL REPAIR 2	L.F.	39	

**CONSTRUCTION NOTES:**  
1. THE CONTRACTOR SHALL SAWCUT EXISTING REINFORCING STEEL BARS AT THE DESIGNATED EXISTING WALL/STEP INTERFACES OR AS DIRECTED BY THE ENGINEER. PAYMENT FOR "CUT THROUGH EXISTING REBAR AT WALL/STEP INTERFACE" SHALL INCLUDE THE COST OF SAWCUTTING, ALL LABOR, ALL MATERIALS, ALL EQUIPMENT, AND ALL ELSE NECESSARY THEREFOR, AND ALL OTHER WORK IN CONNECTION THEREWITH AND INCIDENTAL THERETO, ALL IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

**EXISTING ADA RAMP IMPROVEMENTS**

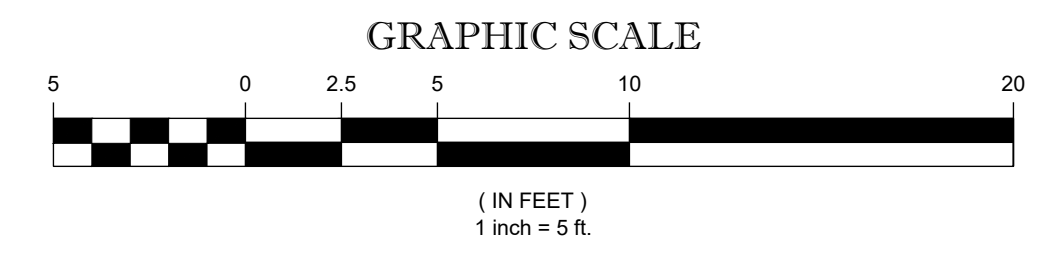
**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
DH	RCC	MAD	01/21/2025

*Marc A. DeBlasio* 1/21/2025  
DATE  
**MARC A. DEBLASIO, P.E.**  
New Jersey License No. 41599

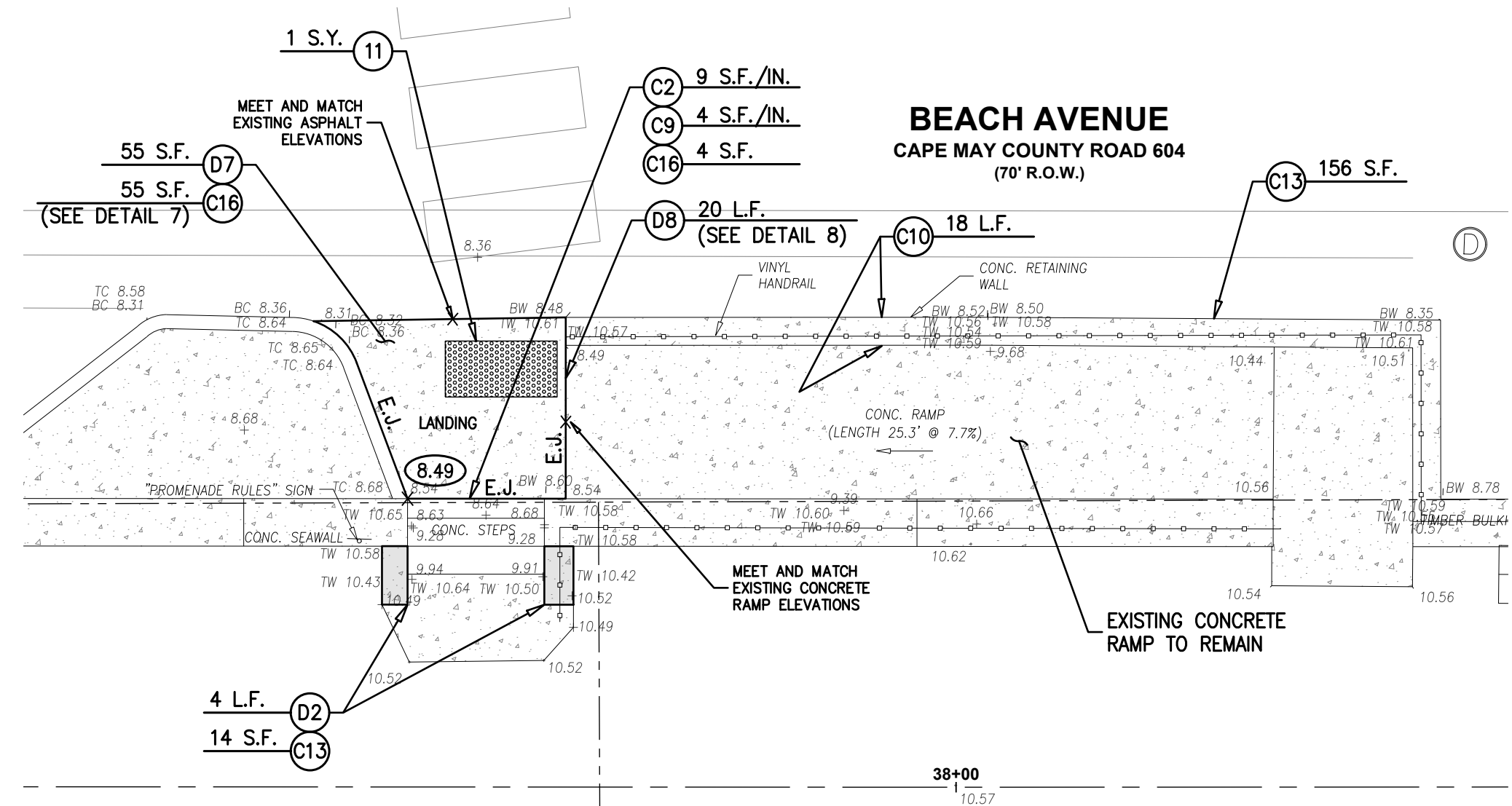


NO.	DATE	APPR.	REVISION

COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.

Scale:	App. No.:	Sheet No.:	Total:
AS NOTED	24-C-021	19	37



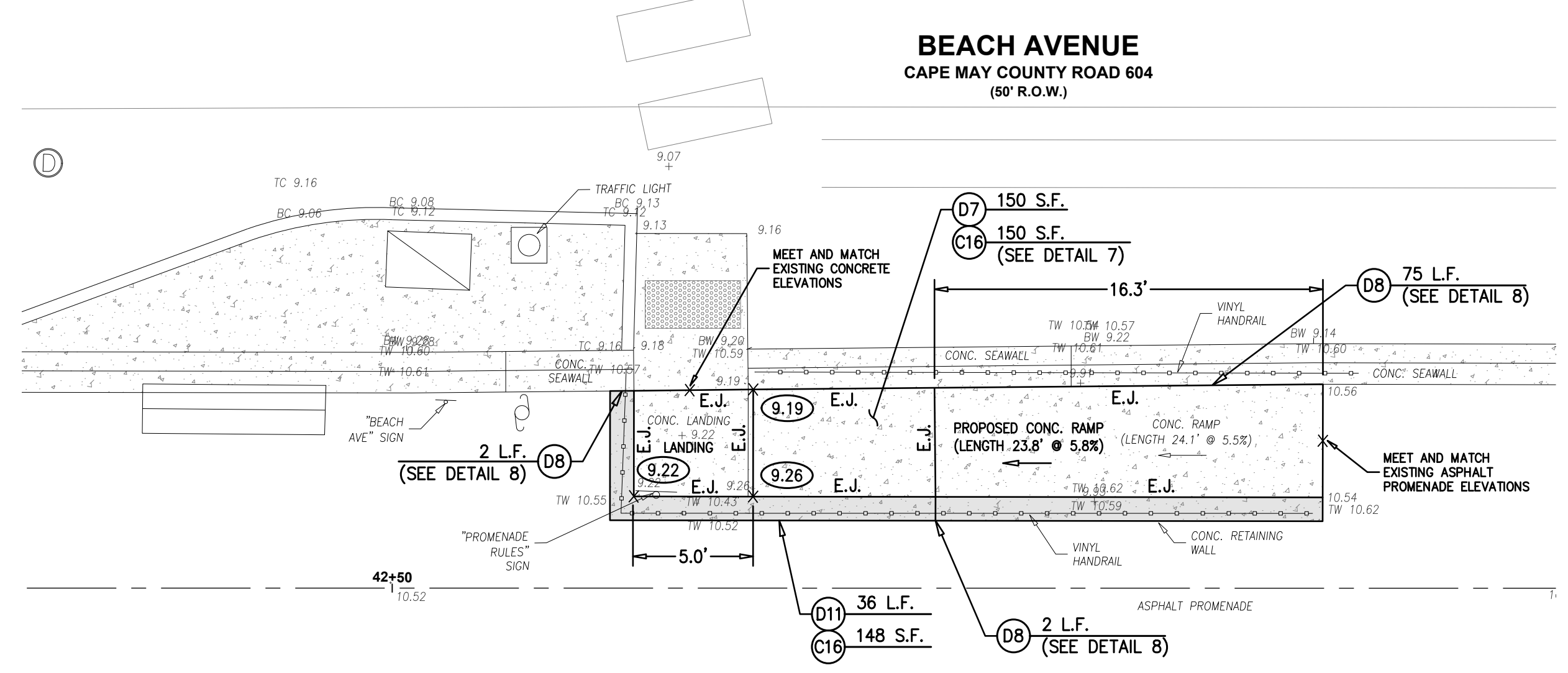


**PLAN - CONGRESS STREET**

SCALE : 1"=5'

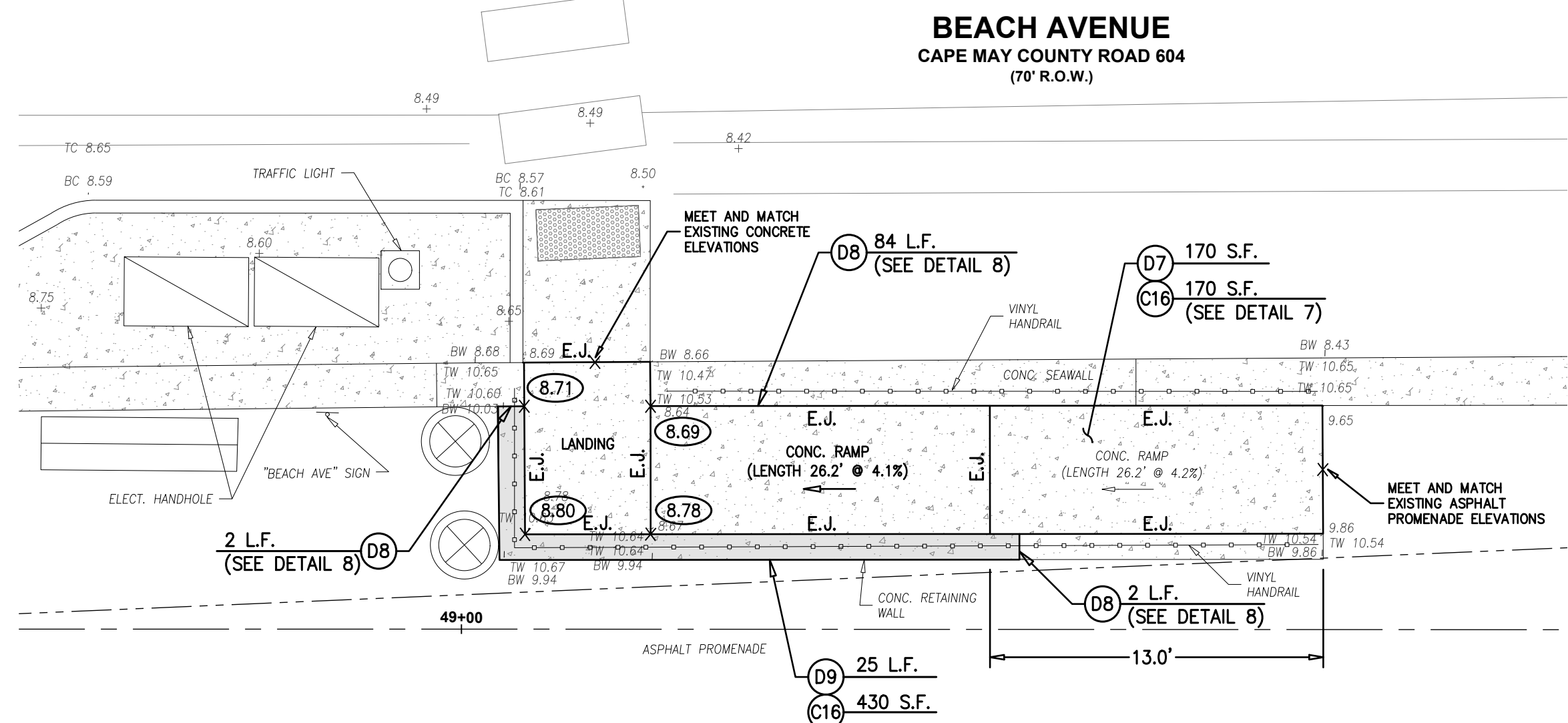
ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
11	DETECTABLE WARNING SURFACES	S.Y.	2	
C1	CONCRETE WALL REPAIR SPECIFICATION 1 - SHALLOW HORIZONTAL REPAIR (1/2" TO 3" DEEP RANGE)	S.F./IN.	4	
C2	CONCRETE WALL REPAIR SPECIFICATION 2A - DEEP HORIZONTAL REPAIR (3" TO 5" DEEP RANGE)	S.F./IN.	27	
C8	CONCRETE WALL REPAIR SPECIFICATION 5 - VERTICAL SKIM COAT REPAIR (1/4" TO 1" DEEP RANGE)	S.F./IN.	4	
C9	CONCRETE WALL REPAIR SPECIFICATION 6 - VERTICAL HAND PATCH REPAIR (1" TO 3" DEEP RANGE)	S.F./IN.	4	
C10	CONCRETE WALL REPAIR SPECIFICATION 7 - VERTICAL CRACK SEALANT REPAIR - 1/2" WIDE X 1/2" DEEP	L.F.	18	
C13	CONCRETE WALL REPAIR SPECIFICATION 10 - FIRST TWO COATS OF SOLVENT BASED SOLID COLOR CONCRETE SEALER (SBSCCS)	S.F.	340	
C16	CONCRETE REPAIR SPECIFICATION 12 - SURFACE APPLIED PENETRATING SEALER	S.F.	1,014	
C17	CUT THROUGH EXISTING REBAR AT WALL/STEP INTERFACE	UNIT	4	
D2	DETAIL 2 - CURB REPAIR	L.F.	8	
D7	DETAIL 7 - REINFORCED CONCRETE SLAB, 6" THICK	S.F.	420	
D8	DETAIL 8 - EXPANSION JOINT	L.F.	207	
D9	DETAIL 9 - WALL REPAIR 1	L.F.	25	
D11	DETAIL 11 - WALL REPAIR 3	L.F.	36	

**CONSTRUCTION NOTES:**  
 1. THE CONTRACTOR SHALL SAWCUT EXISTING REINFORCING STEEL BARS AT THE DESIGNATED EXISTING WALL/STEP INTERFACES OR AS DIRECTED BY THE ENGINEER. PAYMENT FOR "CUT THROUGH EXISTING REBAR AT WALL/STEP INTERFACE" SHALL INCLUDE THE COST OF SAWCUTTING, ALL LABOR, ALL MATERIALS, ALL EQUIPMENT, AND ALL ELSE NECESSARY THEREFORE, AND ALL OTHER WORK IN CONNECTION THEREWITH AND INCIDENTAL THERETO, ALL IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.



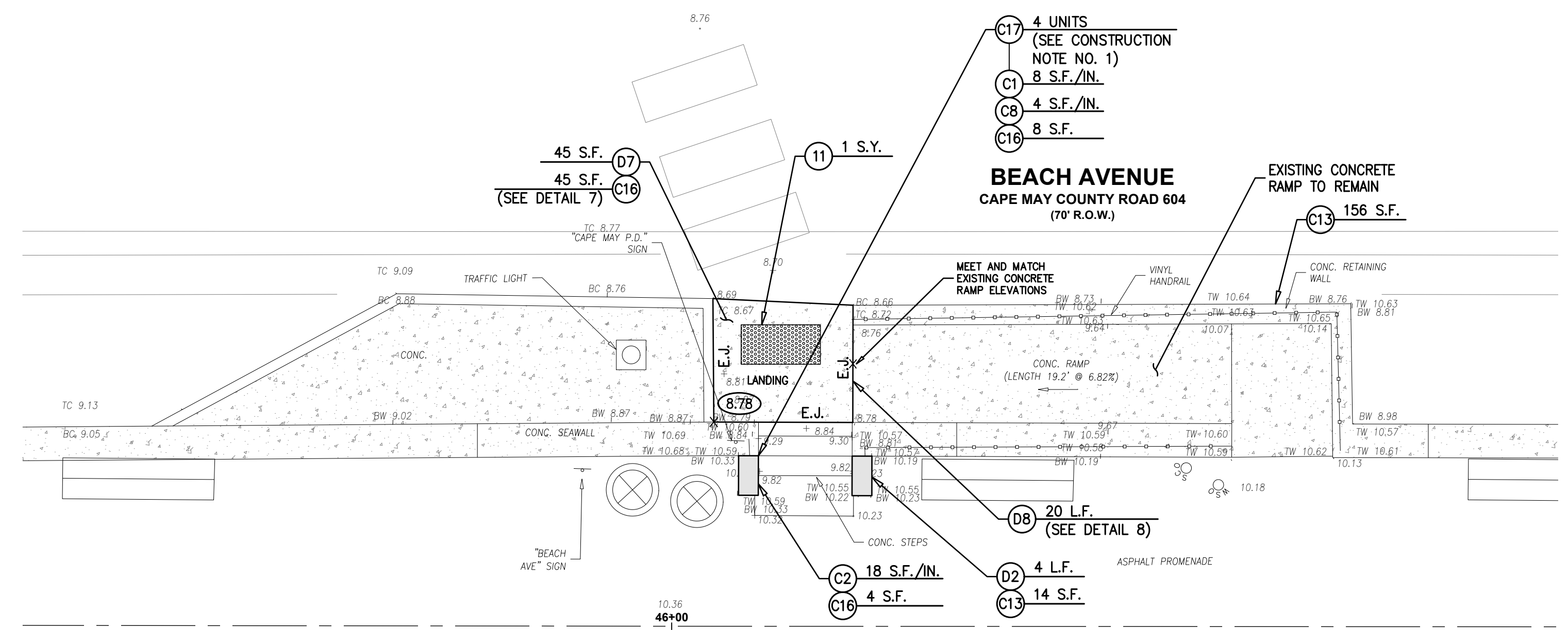
**PLAN - PERRY STREET**

SCALE : 1"=5'



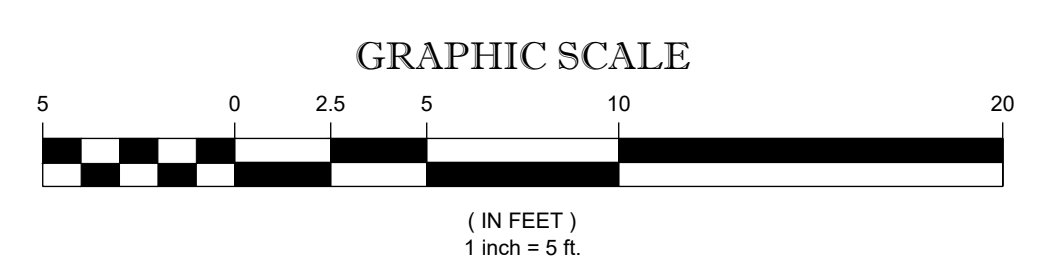
**PLAN - DECATUR STREET**

SCALE : 1"=5'



**PLAN - JACKSON AVENUE**

SCALE : 1"=5'



NO.	DATE	APPR.	REVISION

DESIGN: DH    DRAWN: RCC    CHECK: MAD    DATE: 01/21/2025  
 COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.  
 Marc A. DeBlasio 1/21/2025  
 MARC A. DEBLASIO, P.E.    DATE  
 New Jersey License No. 41599  
 Scale: AS NOTED    Job No.: 204C-0923    Sheet No.: 20    Total: 37

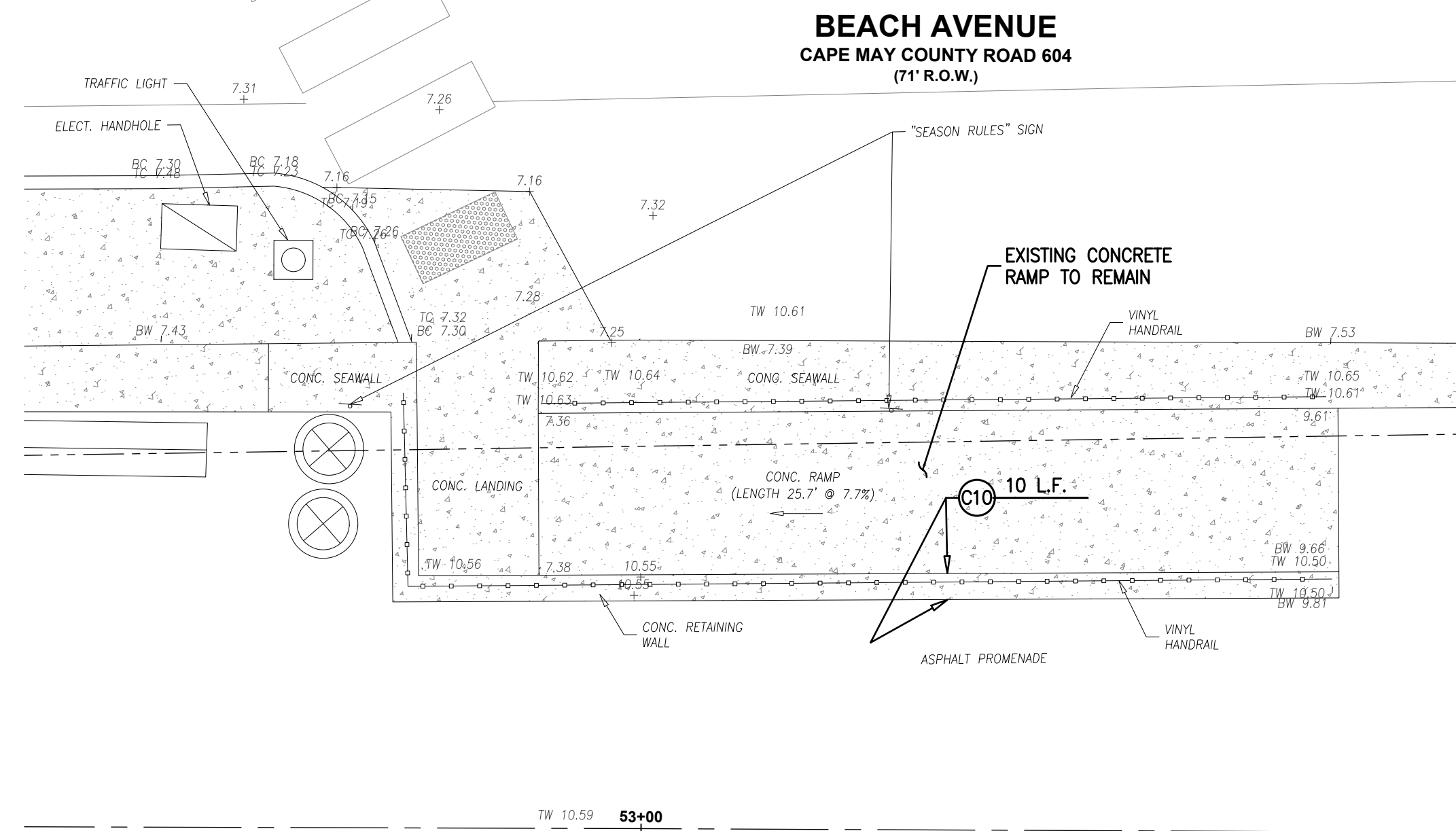
**EXISTING ADA RAMP IMPROVEMENTS**

**DeBlasio & Associates**  
 ENGINEERS, SURVEYORS AND PLANNERS

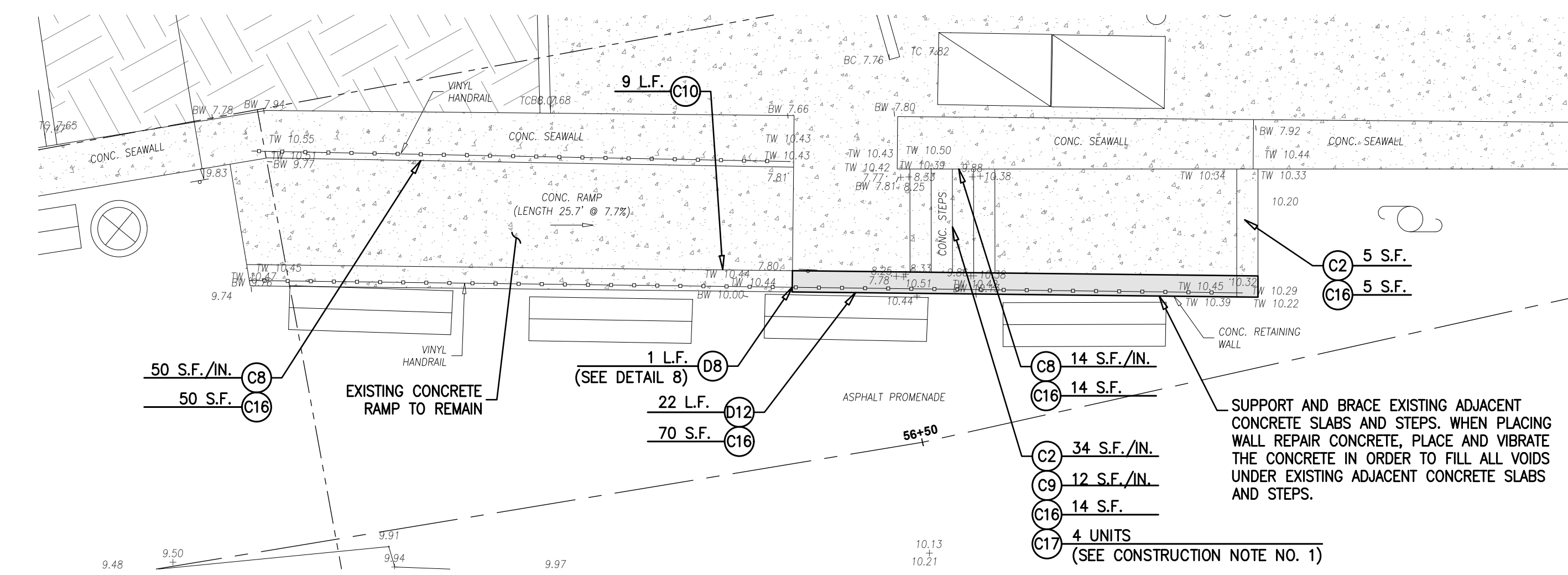
4701 NEW JERSEY AVENUE  
 WILDWOOD, NJ 08260  
 PHONE (609) 854-3311  
 FAX (609) 854-4323  
 WWW.DEBLASIOASSOC.COM  
 Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
 CITY OF CAPE MAY  
 CAPE MAY COUNTY, NEW JERSEY

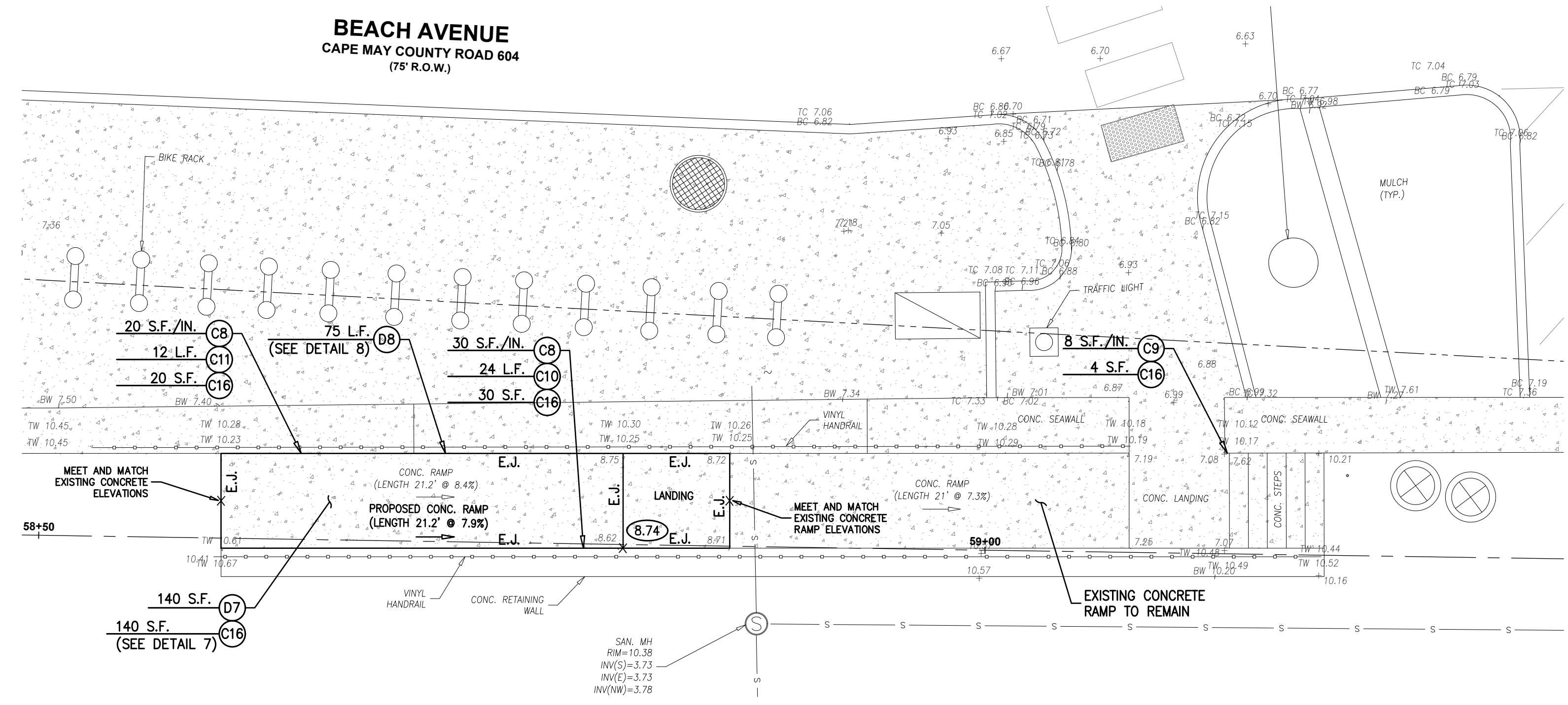




**PLAN - OCEAN STREET**  
SCALE : 1"=5'



**PLAN - GURNEY STREET**  
SCALE : 1"=5'



**PLAN - STOCKTON PLACE**  
SCALE : 1"=5'

ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
C2	CONCRETE WALL REPAIR SPECIFICATION 2A - DEEP HORIZONTAL REPAIR (3" TO 5" DEEP RANGE)	S.F./IN.	35	
C8	CONCRETE WALL REPAIR SPECIFICATION 5 - VERTICAL SKIM COAT REPAIR (1/4" TO 1" DEEP RANGE)	S.F./IN.	114	
C9	CONCRETE WALL REPAIR SPECIFICATION 6 - VERTICAL HAND PATCH REPAIR (1" TO 3" DEEP RANGE)	S.F./IN.	20	
C10	CONCRETE WALL REPAIR SPECIFICATION 7 - VERTICAL CRACK SEALANT REPAIR - 1/2" WIDE X 1/2" DEEP	L.F.	43	
C11	CONCRETE WALL REPAIR SPECIFICATION 8 - HORIZONTAL CRACK EPOXY INJECTION REPAIR	L.F.	12	
C16	CONCRETE REPAIR SPECIFICATION 12 - SURFACE APPLIED PENETRATING SEALER	S.F.	347	
C17	CUT THROUGH EXISTING REBAR AT WALL/STEP INTERFACE	UNIT	4	
D7	DETAIL 7 - REINFORCED CONCRETE SLAB, 6" THICK	S.F.	140	
D8	DETAIL 8 - EXPANSION JOINT	L.F.	76	
D12	DETAIL 12 - WALL REPAIR 4	L.F.	22	

**CONSTRUCTION NOTES:**  
1. THE CONTRACTOR SHALL SAWCUT EXISTING REINFORCING STEEL BARS AT THE DESIGNATED EXISTING WALL/STEP INTERFACES OR AS DIRECTED BY THE ENGINEER. PAYMENT FOR "CUT THROUGH EXISTING REBAR AT WALL/STEP INTERFACE" SHALL INCLUDE THE COST OF SAWCUTTING, ALL LABOR, ALL MATERIALS, ALL EQUIPMENT, AND ALL ELSE NECESSARY THEREFORE, AND ALL OTHER WORK IN CONNECTION THEREWITH AND INCIDENTAL THERETO, ALL IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

**EXISTING ADA RAMP IMPROVEMENTS**

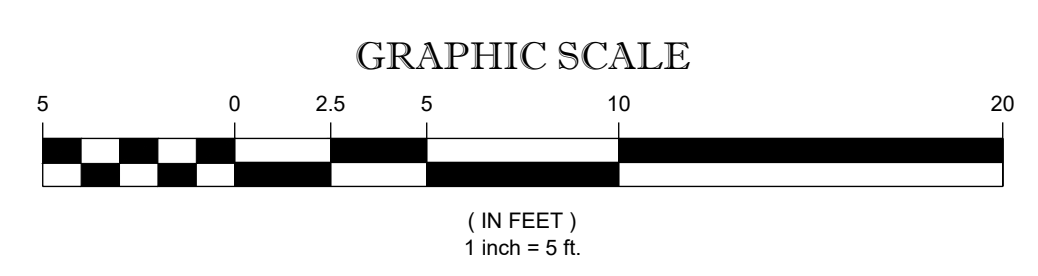
**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24GA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
DH	RCC	MAD	01/21/2025

*Marc A. DeBlasio* 1/21/2025  
**MARC A. DEBLASIO, P.E.** DATE  
New Jersey License No. 41599  
Scale: AS NOTED 400 No. 21 Sheet No. 37

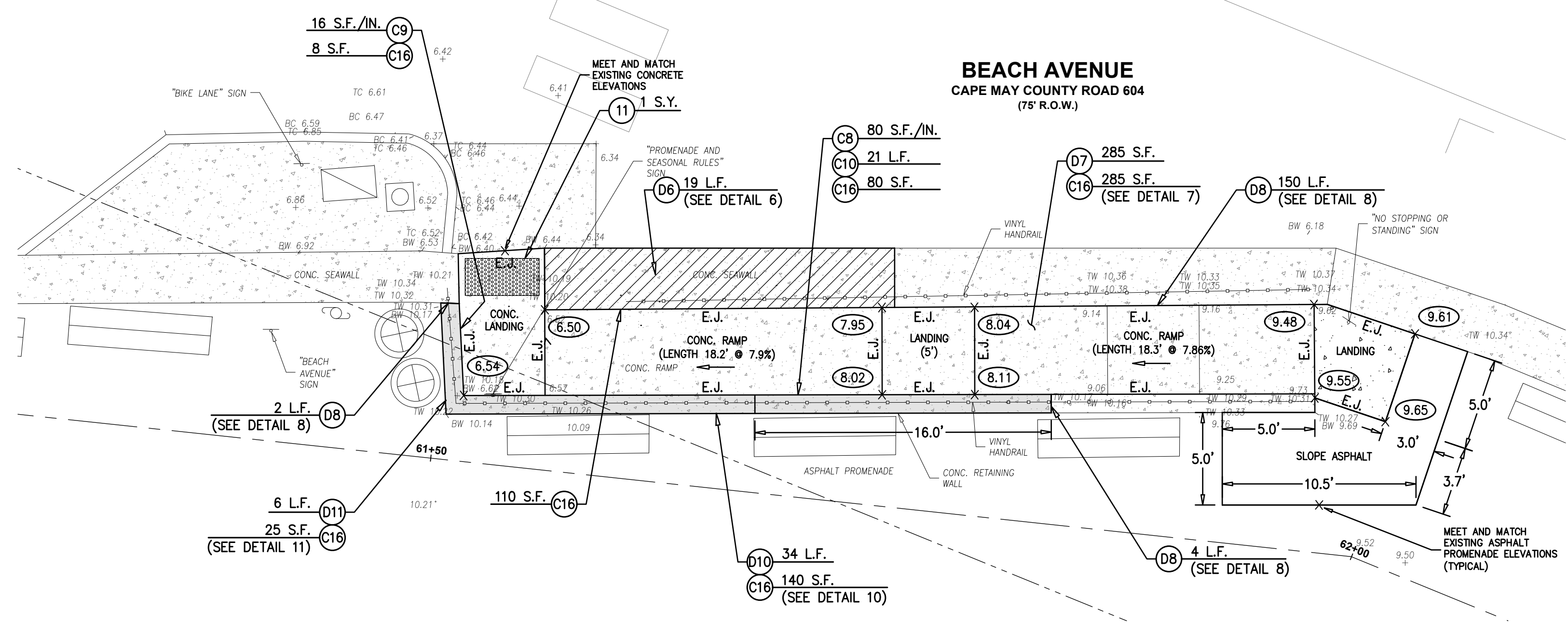


NO.	DATE	APPR.	REVISION

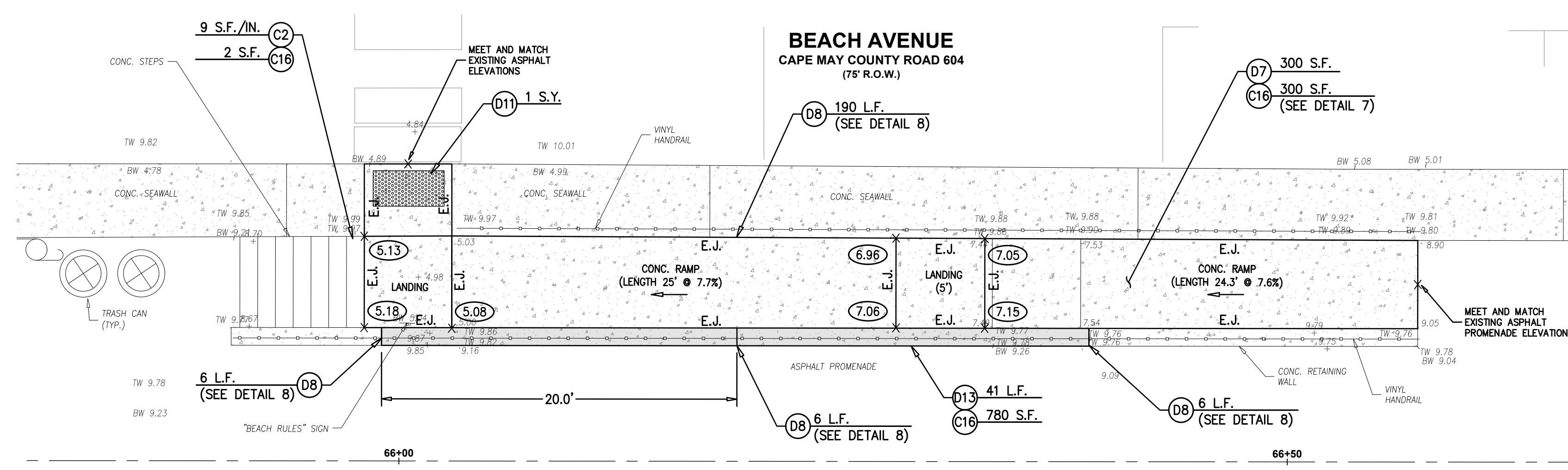
COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.



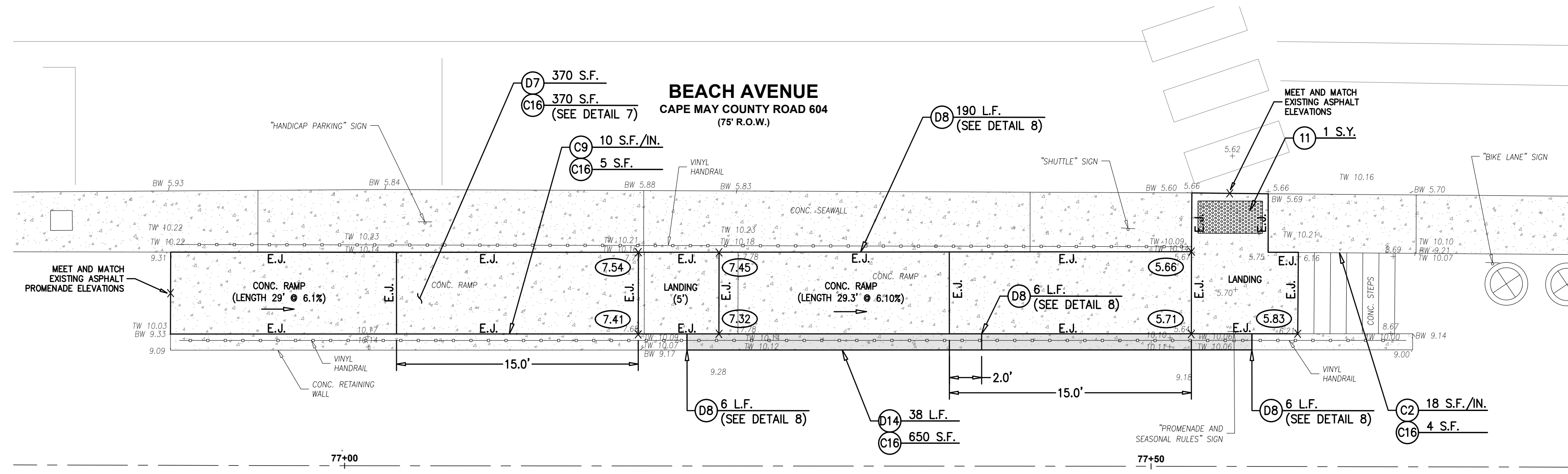
ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
C11	DETECTABLE WARNING SURFACES	S.Y.	3	
C2	CONCRETE WALL REPAIR SPECIFICATION 2A - DEEP HORIZONTAL REPAIR (3" TO 5" DEEP RANGE)	S.F./IN.	27	
C8	CONCRETE WALL REPAIR SPECIFICATION 5 - VERTICAL SKIM COAT REPAIR (1/4" TO 1" DEEP RANGE)	S.F./IN.	80	
C9	CONCRETE WALL REPAIR SPECIFICATION 6 - VERTICAL HAND PATCH REPAIR (1" TO 3" DEEP RANGE)	S.F./IN.	26	
C10	CONCRETE WALL REPAIR SPECIFICATION 7 - VERTICAL CRACK SEALANT REPAIR - 1/2" WDE X 1/2" DEEP	L.F.	21	
C16	CONCRETE REPAIR SPECIFICATION 12 - SURFACE APPLIED PENETRATING SEALER	S.F.	2,759	
D6	DETAIL 6 - WALL SEGMENT REPAIR	L.F.	19	
D7	DETAIL 7 - REINFORCED CONCRETE SLAB, 6" THICK	S.F.	955	
D8	DETAIL 8 - EXPANSION JOINT	L.F.	572	
D10	DETAIL 10 - WALL REPAIR 2	L.F.	34	
D11	DETAIL 11 - WALL REPAIR 3	L.F.	6	
D13	DETAIL 13 - WALL REPAIR 5	L.F.	41	
D14	DETAIL 14 - WALL REPAIR 6	L.F.	38	



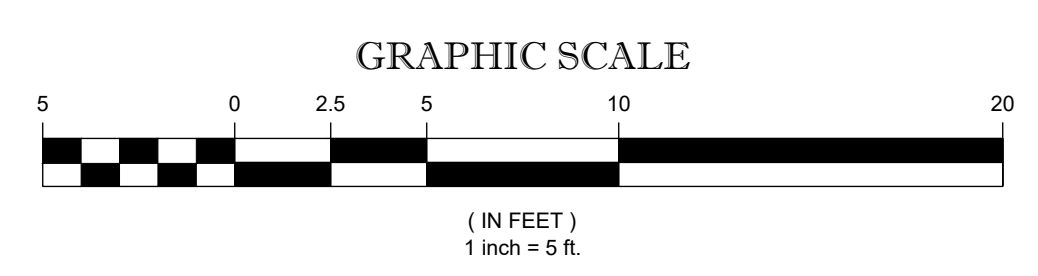
**PLAN - HOWARD STREET**  
SCALE : 1"=5'



**PLAN - JEFFERSON STREET**  
SCALE : 1"=5'



**PLAN - MADISON AVENUE**  
SCALE : 1"=5'



NO.	DATE	APPR.	REVISION

**EXISTING ADA RAMP IMPROVEMENTS**

**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

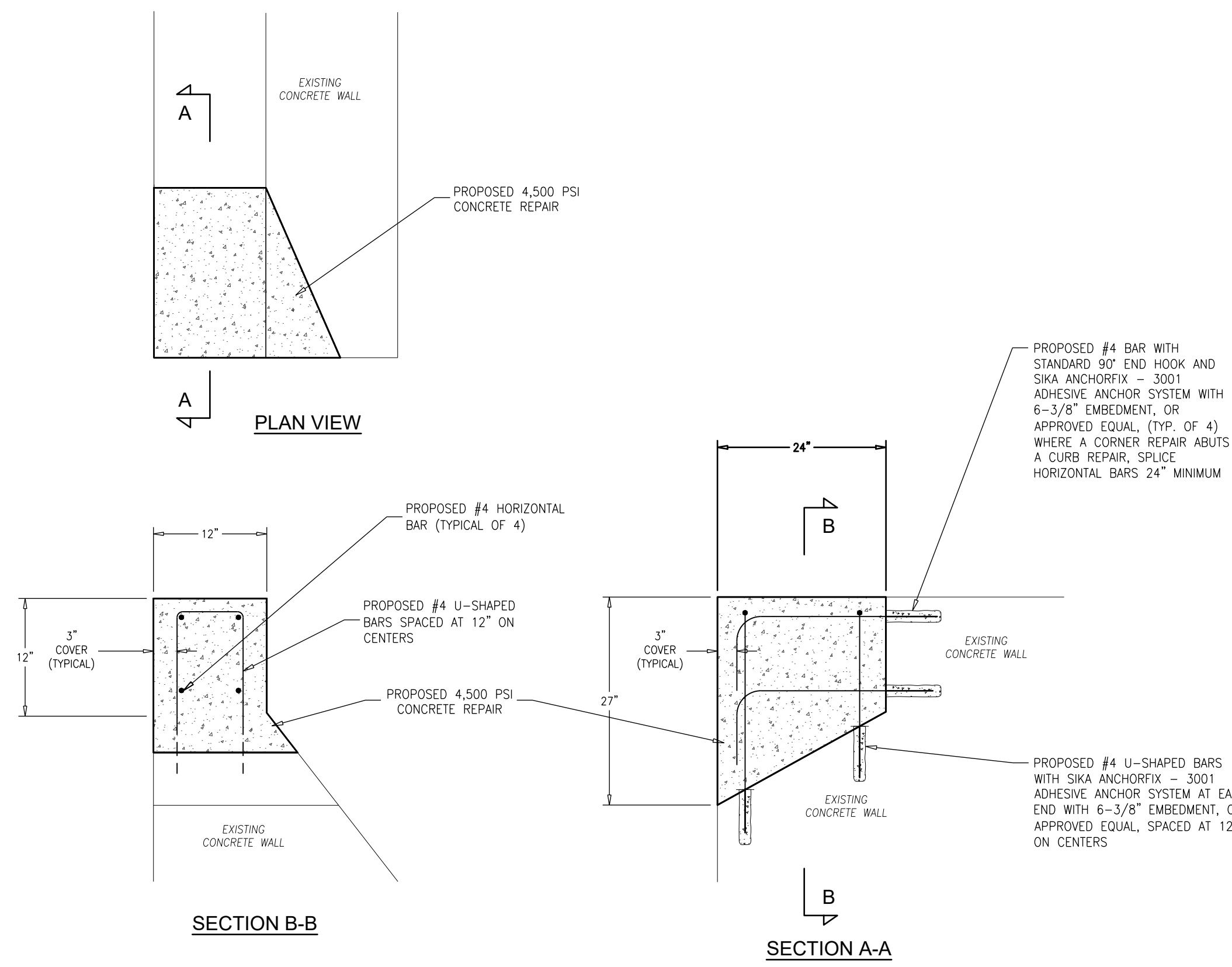
Design: DH	Drawn: RCC	Check: MAD	Date: 01/21/2025
------------	------------	------------	------------------

*Marc A. DeBlasio* 1/21/2025  
DATE  
**MARC A. DEBLASIO, P.E.**  
New Jersey License No. 41599

Scale: AS NOTED	Sheet No.: 22	Total: 37
-----------------	---------------	-----------

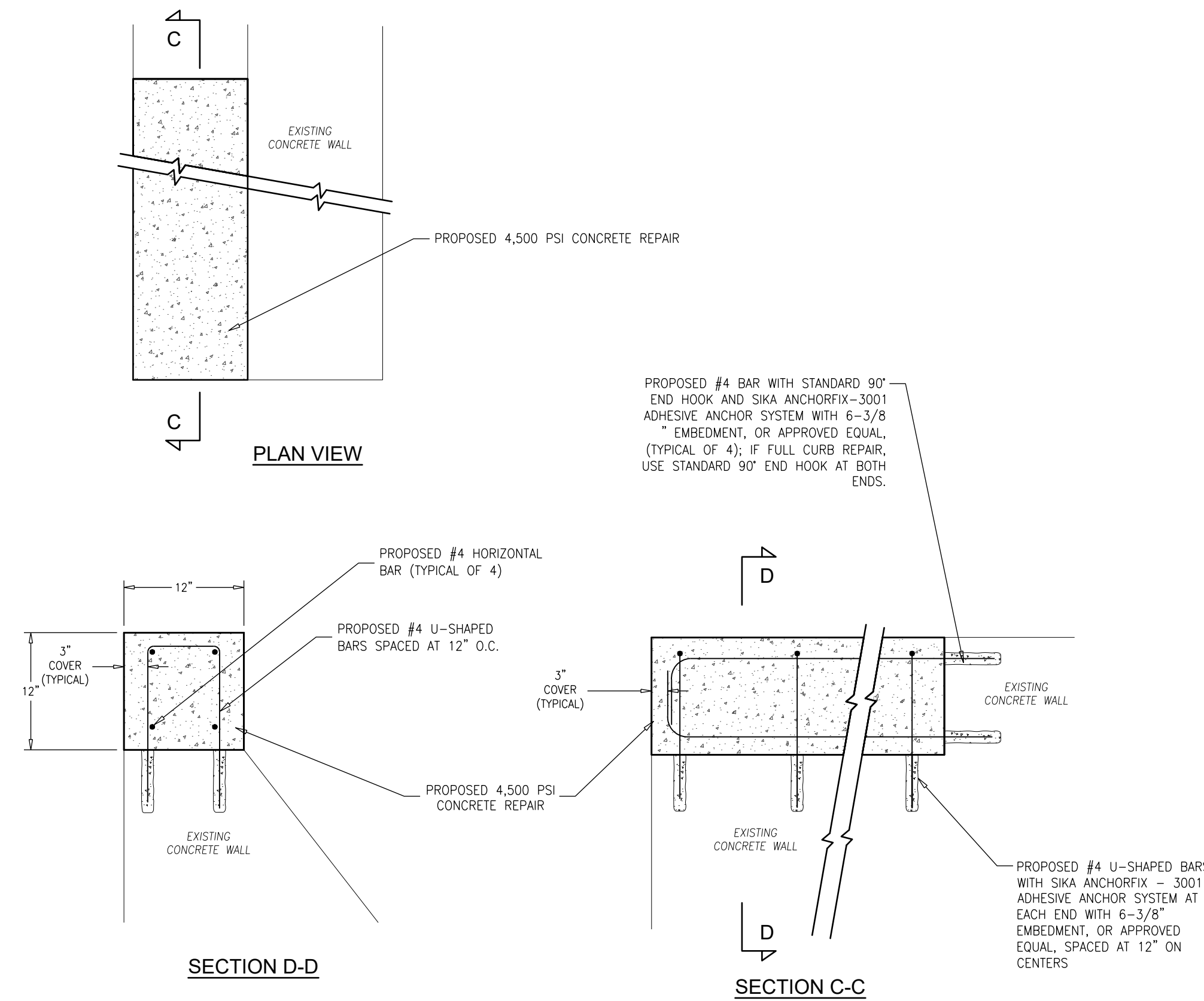
COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.





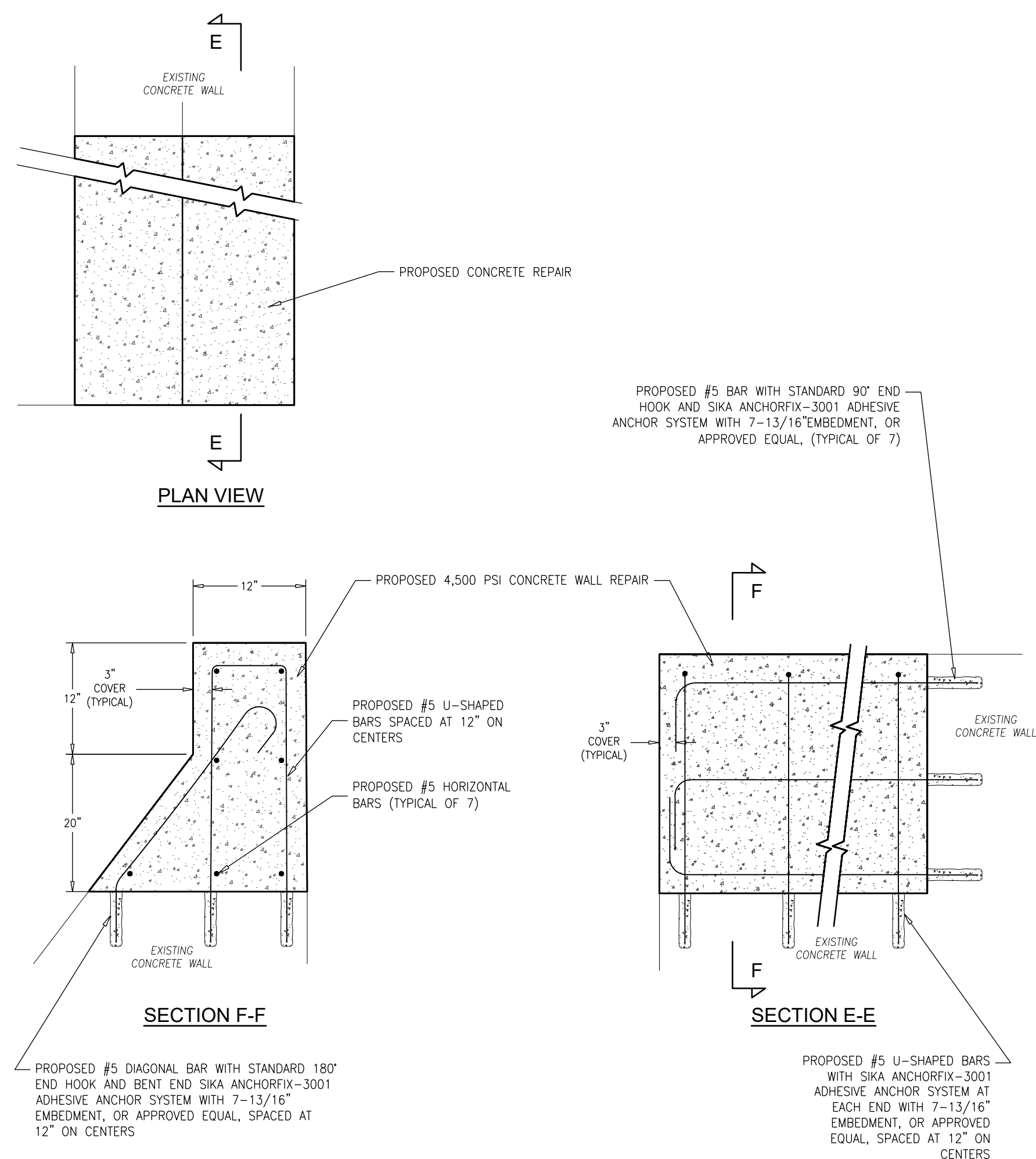
**DETAIL 1 - CORNER REPAIR**

N.T.S.



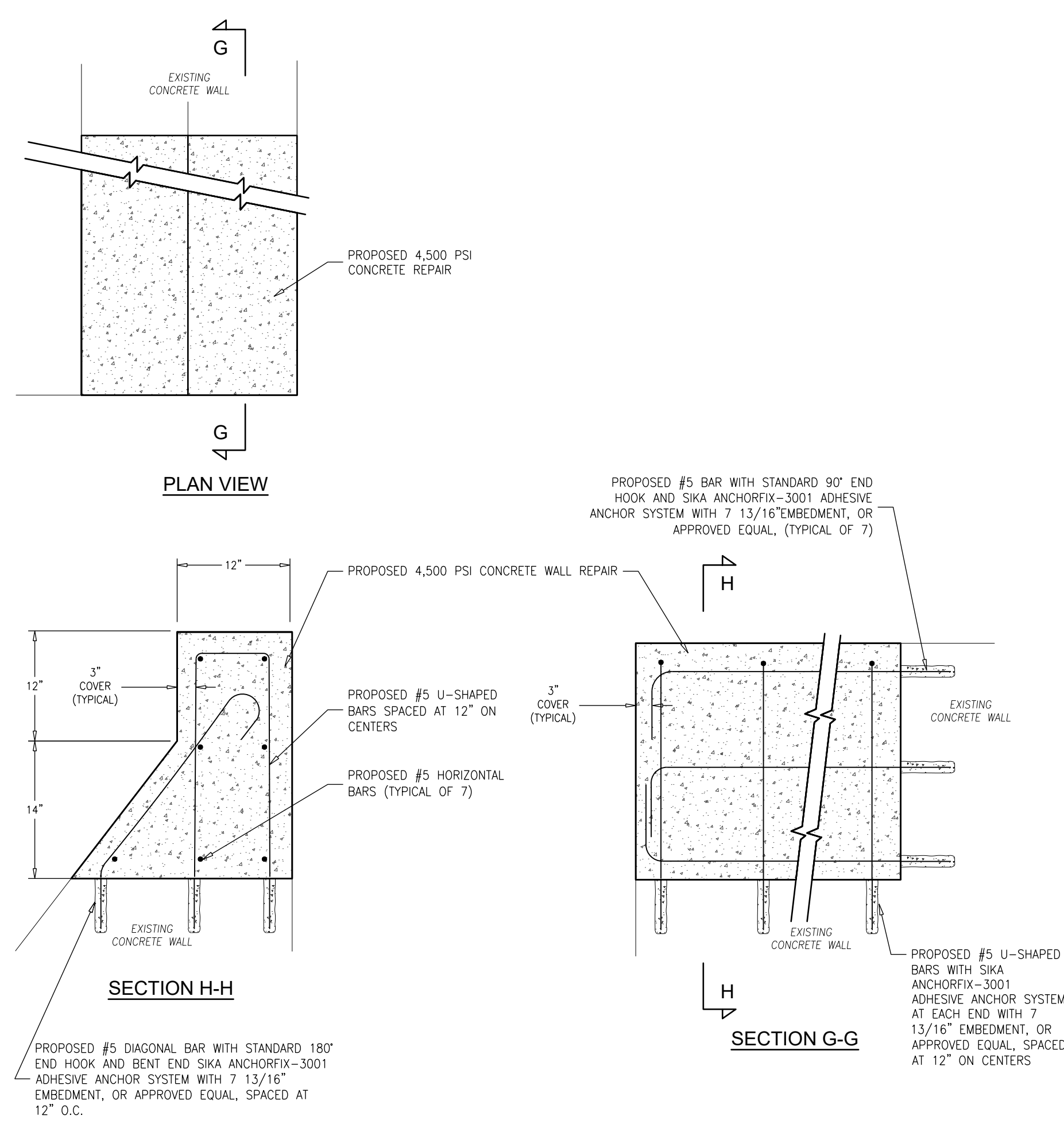
**DETAIL 2 - CURB REPAIR**

N.T.S.



**DETAIL 3 - END REPAIR 1**

N.T.S.



**DETAIL 4 - END REPAIR 2**

N.T.S.

**CONCRETE DETAIL NOTES:**

1. SAWCUT, DEMOLISH AND PROPERLY DISPOSE OF EXISTING ASPHALT/CONCRETE AS REQUIRED FROM AROUND CONCRETE WALL SEGMENTS TO BE REPAIRED AND CONCRETE SLABS TO BE REPLACED. EXCAVATE EXISTING MATERIALS AS REQUIRED FROM AROUND WALL SEGMENTS TO BE REPAIRED AND FROM UNDER EXISTING SLABS TO BE REPLACED. ENSURE THAT A MINIMUM EXCAVATION DEPTH OF 12" IS PROVIDED FROM THE TOP OF PROPOSED CONCRETE SLABS FINISHED GRADE. PROVIDE AND INSTALL SHEETING AND SHORING AS REQUIRED.
2. SAWCUT THE PERIMETER OF, MECHANICALLY REMOVE, DEMOLISH AND PROPERLY DISPOSE OF ALL CONCRETE FROM DESIGNATED AREAS TO BE REPAIRED/REPLACED. ENSURE THAT EXISTING STEEL ANCHOR RODS FOR EXISTING PILES ARE PRESERVED.
3. DGA FILL IS TO BE PLACED IN 6" THICK (MAX.) LIFTS COMPACTED UP TO THE UNDERSIDE OF THE PROPOSED CONCRETE SLABS. ENSURE THAT A MINIMUM DGA THICKNESS OF 6" IS INSTALLED BENEATH ALL PROPOSED CONCRETE SLABS.
4. #4 REBAR LAP SPLICES ARE TO BE 24" LONG MINIMUM. #5 REBAR LAP SPLICES ARE TO BE 30" LONG MINIMUM. EPOXY COATED WELDED PLAIN WIRE REINFORCEMENT LAP SPLICES ARE TO BE 18" LONG MINIMUM.
5. WHEN AND WHERE THE REPAIRS ABUT EXISTING JOINTS, REFER TO AND IMPLEMENT THE REQUIREMENTS OF DETAIL 8 - EXPANSION JOINT.
6. REMOVE ALL RUST, DIRT, OIL GREASE AND OTHER BOND-INHIBITING MATERIALS FROM CONCRETE AREAS TO BE REPAIRED. HIGH PRESSURE WATER BLAST CLEAN ALL EXISTING CONCRETE SURFACES WITHIN REPAIR AREAS. APPLY SIKA ARMATEC-110 EPOXY BONDING PRIMER, OR APPROVED EQUAL, TO ALL EXISTING CONCRETE/NEW CONCRETE INTERFACE AREAS.
7. IMMEDIATELY AFTER APPLYING THE BONDING PRIMER, PLACE 4,500 PSI CONCRETE MIX INTO THE FORMWORK. THE CONCRETE MIX IS TO BE VIBRATED DURING PLACEMENT TO ENSURE PROPER FILLING AND ADHESION. AFTER THE FORMS HAVE BEEN STRIPPED, REMOVE THE FORM ANCHORS AND DRY PACK THE ANCHOR HOLES WITH SIKA MORTAR, OR APPROVED EQUAL. THE CONTRACTOR IS TO PROVIDE A CONCRETE SURFACE PROFILE (CSP) OF 3, PER ICRI GUIDE 310.2, UNIFORM IN LINE, GRADE, TEXTURE AND APPEARANCE. MOIST CURE WITH WET BURLAP AND POLYETHYLENE OR A FINE MIST OF WATER.
8. AFTER THE CONCRETE TEST RESULTS HAVE DEMONSTRATED THAT THE RESPECTIVE CONCRETE HAS REALIZED A MINIMUM COMPRESSIVE STRENGTH OF 4,500 PSI, EXCAVATIONS MAY BE BACKFILLED WITH DGA COMPACTED IN 6" MAXIMUM LIFTS UP TO THE UNDERSIDE OF THE ADJACENT ASPHALT/ CONCRETE WALKWAY. RESTORE DISTURBED AREAS.
9. SEE CONTRACT SPECIFICATION SECTIONS 03 10 00 - CONCRETE FORMING AND ACCESSORIES, AND 03 30 00 - CAST-IN-PLACE CONCRETE FOR ADDITIONAL INFORMATION.
10. ALL ALUMINUM SURFACES TO COME INTO CONTACT WITH CONCRETE AND/OR CONCRETE REPAIR MATERIALS ARE TO RECEIVE 2 COATS OF SIKADUR H-110 MOD 32, OR APPROVED EQUAL. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK AND THE COSTS INCURRED SHALL BE INCLUDED IN THE VARIOUS ITEMS ON THE PROPOSAL.
11. AS A MINIMUM, METHODS AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE CODE REQUIREMENTS FOR ENVIRONMENTAL ENGINEERING CONCRETE STRUCTURES AND COMMENTARY (ACI 308), LATEST REVISION, THE SSPC - SOCIETY FOR PROTECTIVE COATINGS REQUIREMENTS, THE RESPECTIVE MANUFACTURER'S REQUIREMENTS AND THE CONTRACT DOCUMENTS.

**CONCRETE REPAIR  
DETAILS & NOTES**

**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24GA28284900

**CAPE MAY PROMENADE  
IMPROVEMENTS (PHASE 1)  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY**

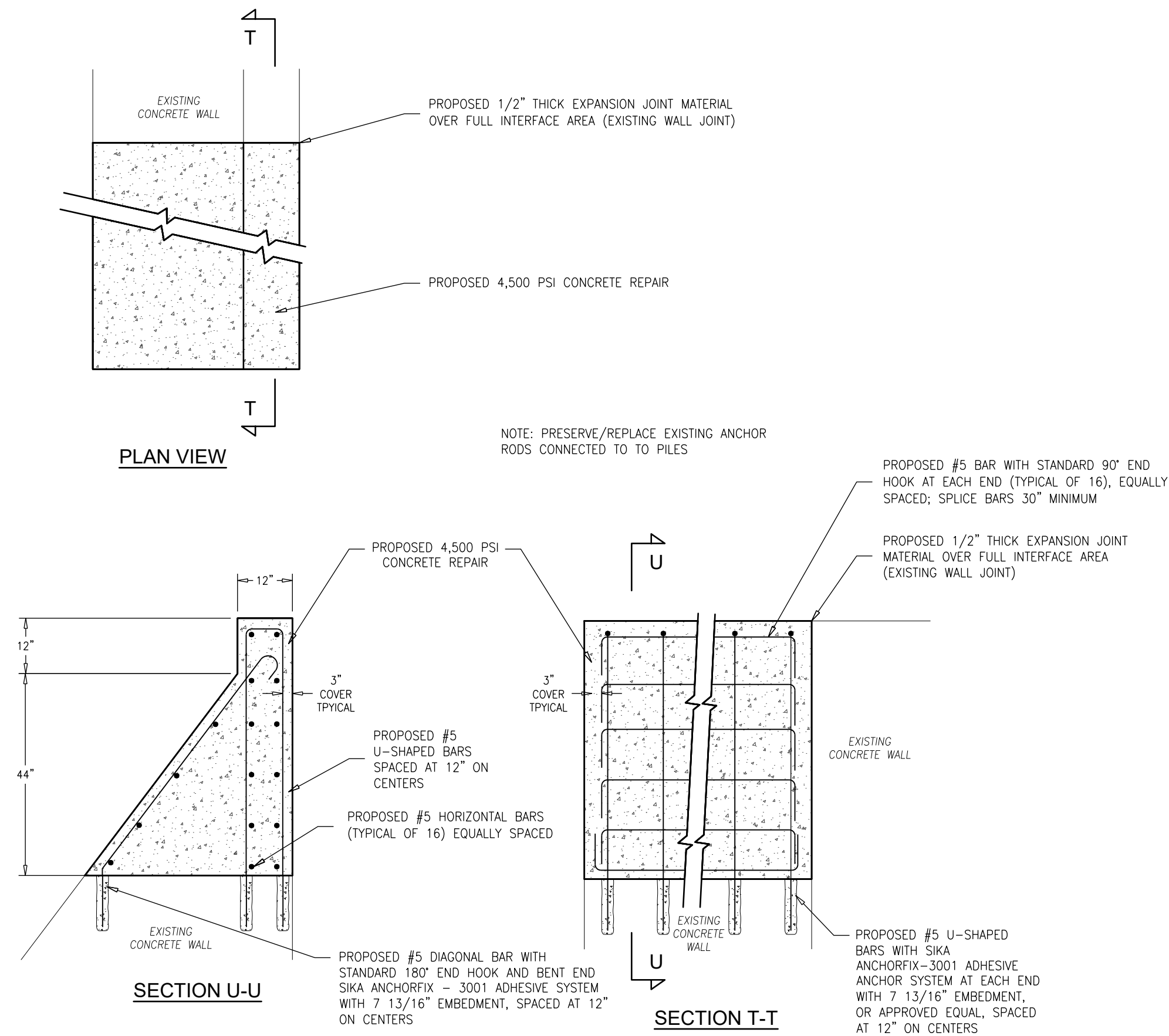
Design:	Drawn:	Check:	Date:
DLH/RCC	RCC	MAD	01/21/2025

NO.	DATE	APPR.	REVISION

*Man DeBlasio* 1/21/2025  
**MARC A. DEBLASIO, P.E.** DATE  
New Jersey License No. 41599  
Scale: AS NOTED App. No.: 25-1-021 Sheet No.: 23 Total: 37

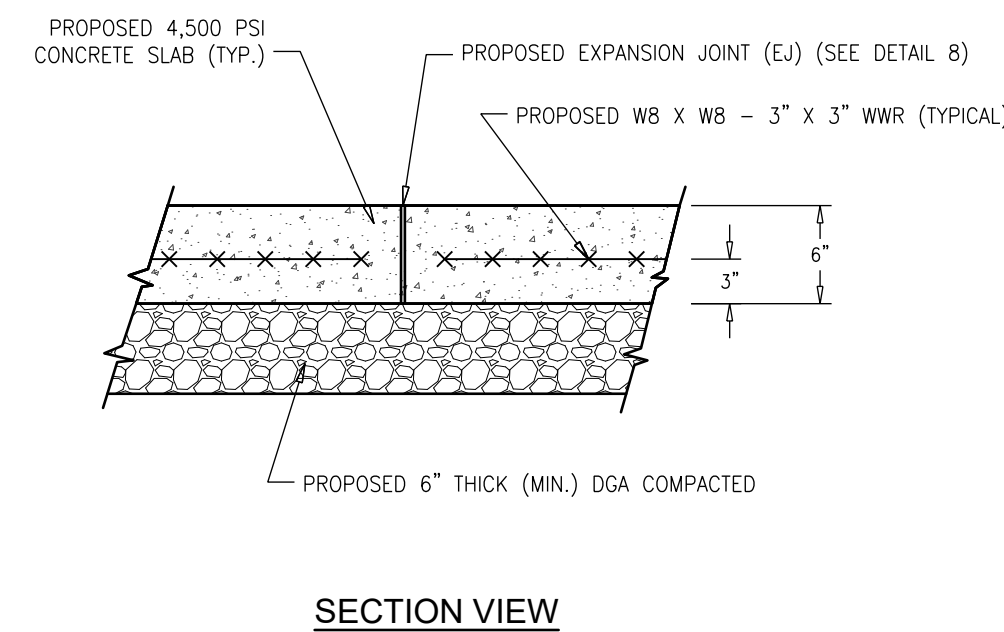
COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.





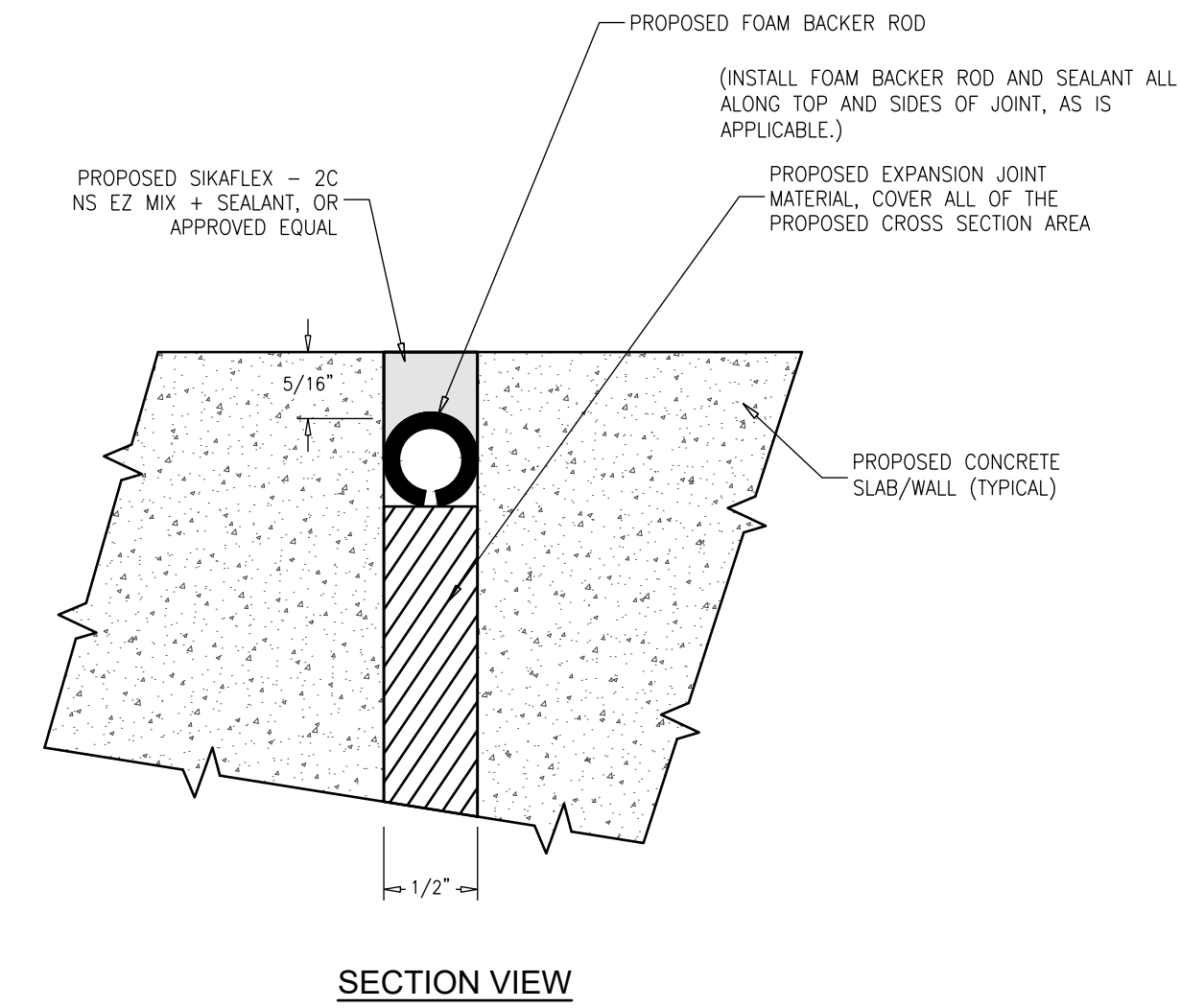
**DETAIL 6 - WALL SEGMENT REPAIR**

N.T.S.



**DETAIL 7 - CONCRETE SLAB**

N.T.S.

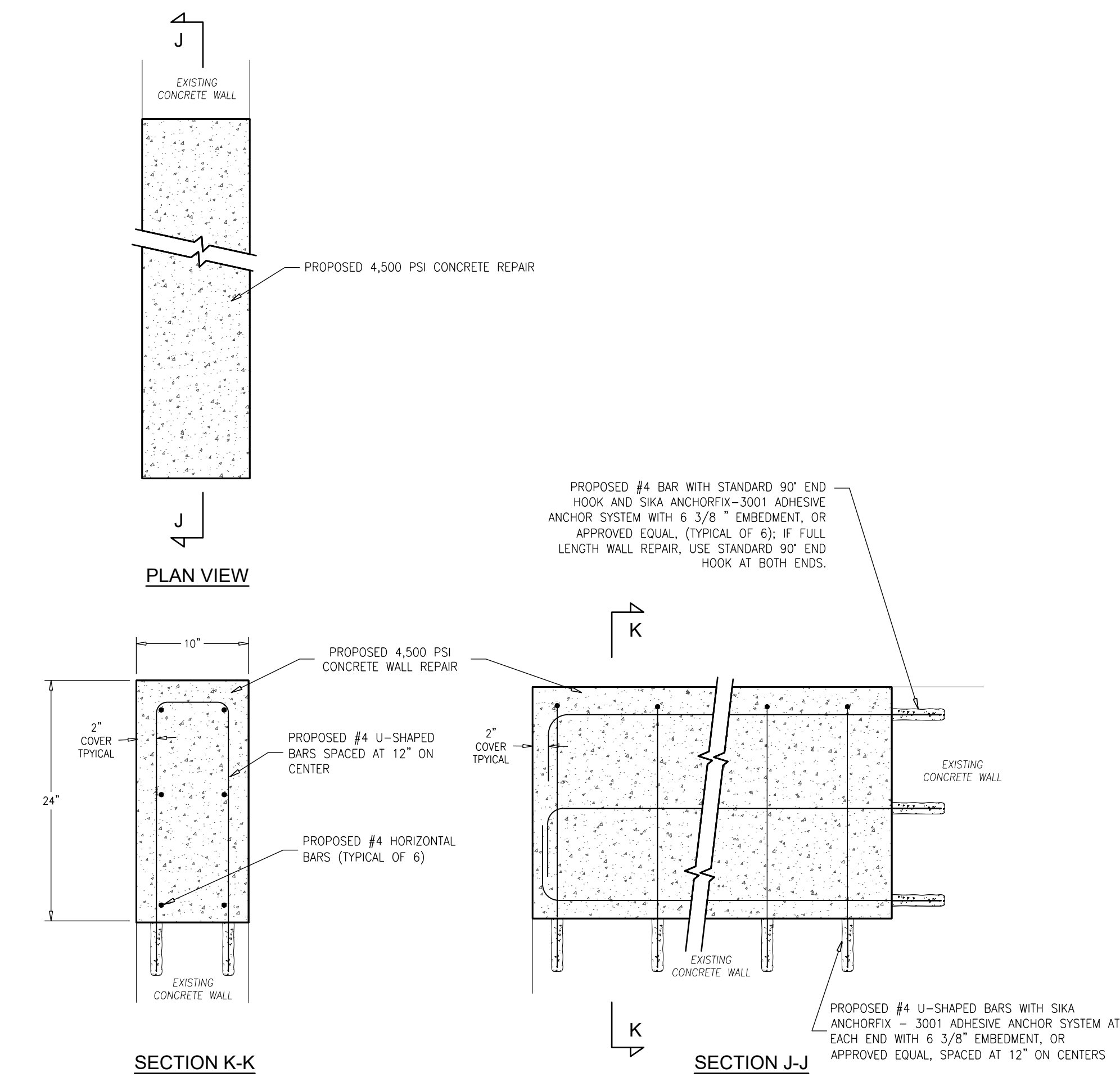


**EXPANSION JOINT NOTES**

- EXPANSION JOINT MATERIAL IS TO COVER THE ENTIRE CROSS SECTIONAL AREA OF EACH RESPECTIVE CONCRETE SLAB/WALL.
- AFTER THE RESPECTIVE CONCRETE HAS CURED, REMOVE ALL RUST, DIRT, OIL GREASE AND OTHER BOND-INHIBITING MATERIALS FROM JOINT AREAS WHICH ARE TO RECEIVE JOINT SEALANT.
- APPLY SIKAFLEX-2C NS EZ MIX + ELASTOMERIC JOINT SEALANT, OR APPROVED EQUAL, INTO THE CONCRETE SLAB EXPANSION JOINT REGLETS FILLING THE ENTIRE VOID AREA ENSURING THAT THERE IS NO AIR ENTRAPMENT. SEE DETAIL 8 - EXPANSION JOINT. TOOL SEALANT TO ENSURE FULL CONTACT WITH ALL CONCRETE JOINT WALL SURFACES. TOOL SEALANT FLUSH WITH ADJACENT CONCRETE SURFACES PROVIDING A SMOOTH FLUSH SURFACE FINISH UNIFORM IN LINE, GRADE, TEXTURE AND APPEARANCE. MASK OFF AND COVER AREAS WHICH ARE NOT TO RECEIVE JOINT SEALANT.
- PRIOR TO THE START OF WORK, THE CONTRACTOR IS TO PROVIDE THE APPROVED MANUFACTURER'S STANDARD COLOR CHART TO THE ENGINEER AND THE OWNER. THE OWNER IS TO CHOOSE THE COLOR.
- NOTE THAT SEALANT IS NOT TO COME INTO CONTACT WITH BITUMINOUS/ASPHALTIC MATERIALS.

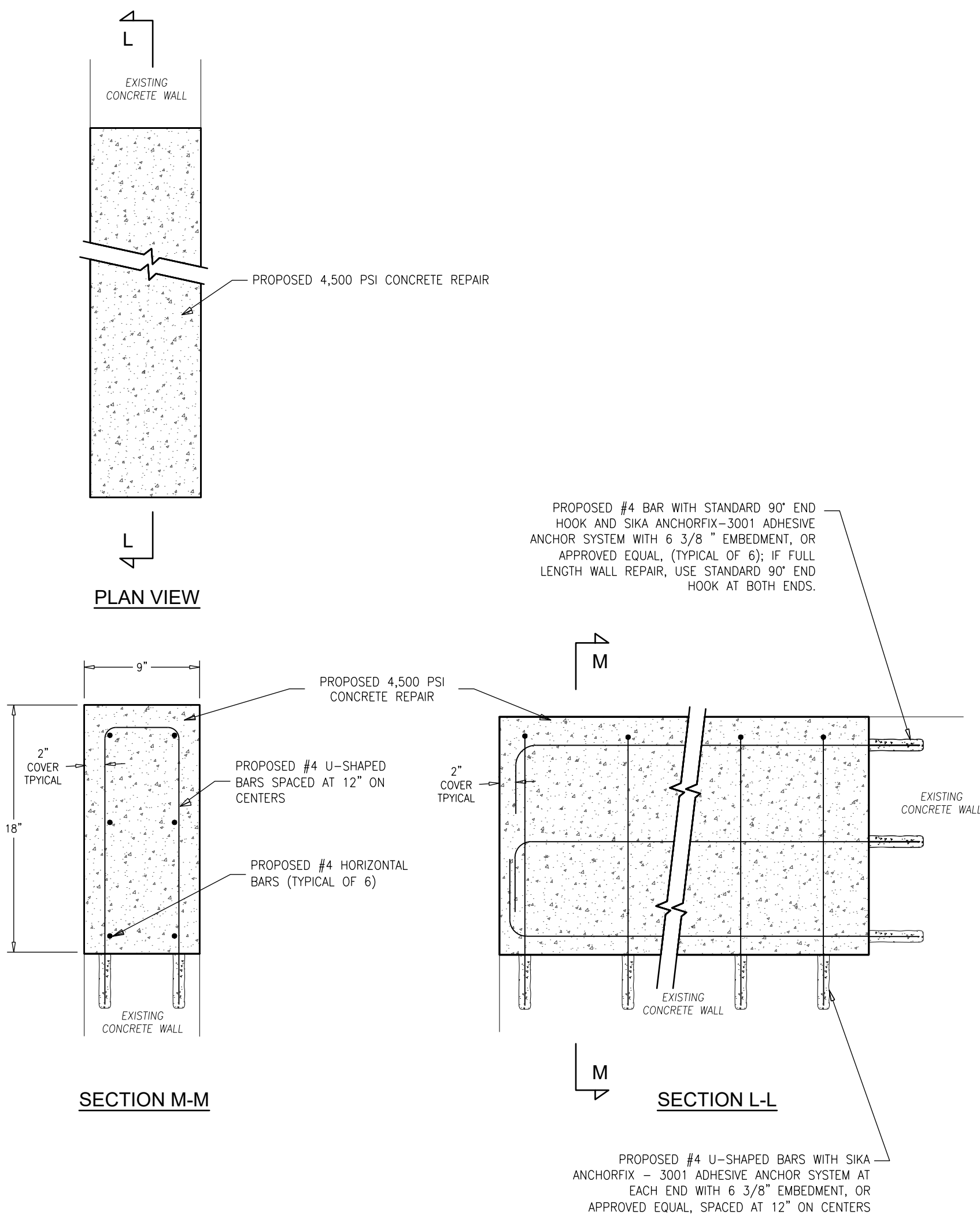
**DETAIL 8 - EXPANSION JOINT**

N.T.S.



**DETAIL 9 - WALL REPAIR 1**

N.T.S.



**DETAIL 10 - WALL REPAIR 2**

N.T.S.

**CONCRETE DETAIL NOTES:**

- SAWCUT, DEMOLISH AND PROPERLY DISPOSE OF EXISTING ASPHALT/CONCRETE AS REQUIRED FROM AROUND CONCRETE WALL SEGMENTS TO BE REPAIRED AND CONCRETE SLABS TO BE REPLACED. EXCAVATE EXISTING MATERIALS AS REQUIRED FROM AROUND WALL SEGMENTS TO BE REPAIRED AND FROM UNDER EXISTING SLABS TO BE REPLACED. ENSURE THAT A MINIMUM EXCAVATION DEPTH OF 12" IS PROVIDED FROM THE TOP OF PROPOSED CONCRETE SLABS FINISHED GRADE. PROVIDE AND INSTALL SHEETING AND SHORING AS REQUIRED.
- SAWCUT THE PERIMETER OF, MECHANICALLY REMOVE, DEMOLISH AND PROPERLY DISPOSE OF ALL CONCRETE FROM DESIGNATED AREAS TO BE REPAIRED/REPLACED. ENSURE THAT EXISTING STEEL ANCHOR RODS FOR EXISTING PILES ARE PRESERVED.
- DGA FILL IS TO BE PLACED IN 6" THICK (MAX.) LIFTS COMPACTED UP TO THE UNDERSIDE OF THE PROPOSED CONCRETE SLABS. ENSURE THAT A MINIMUM DGA THICKNESS OF 6" IS INSTALLED BENEATH ALL PROPOSED CONCRETE SLABS.
- #4 REBAR LAP SPLICES ARE TO BE 24" LONG MINIMUM. #5 REBAR LAP SPLICES ARE TO BE 30" LONG MINIMUM. EPOXY COATED WELDED PLAIN WIRE REINFORCEMENT LAP SPLICES ARE TO BE 18" LONG MINIMUM.
- WHEN AND WHERE THE REPAIRS ABUT EXISTING JOINTS, REFER TO AND IMPLEMENT THE REQUIREMENTS OF DETAIL 8 - EXPANSION JOINT.
- REMOVE ALL RUST, DIRT, OIL GREASE AND OTHER BOND-INHIBITING MATERIALS FROM CONCRETE AREAS TO BE REPAIRED. HIGH PRESSURE WATER BLAST CLEAN ALL EXISTING CONCRETE SURFACES WITHIN REPAIR AREAS. APPLY SIKA ARMATEC-110 EPOCEM BONDING PRIMER, OR APPROVED EQUAL, TO ALL EXISTING CONCRETE/NEW CONCRETE INTERFACE AREAS.
- IMMEDIATELY AFTER APPLYING THE BONDING PRIMER, PLACE 4,500 PSI CONCRETE MIX INTO THE FORMWORK. THE CONCRETE MIX IS TO BE VIBRATED DURING PLACEMENT TO ENSURE PROPER FILLING AND ADHESION. AFTER THE FORMS HAVE BEEN STRIPPED, REMOVE THE FORM ANCHORS AND DRY PACK THE ANCHOR HOLES WITH SIKA MORTAR, OR APPROVED EQUAL. THE CONTRACTOR IS TO PROVIDE A CONCRETE SURFACE PROFILE (CSP) OF 3, PER ICRI GUIDE 310.2, UNIFORM IN LINE, GRADE, TEXTURE AND APPEARANCE. MOIST CURE WITH WET BURLAP AND POLYETHYLENE OR A FINE MIST OF WATER.
- AFTER THE CONCRETE TEST RESULTS HAVE DEMONSTRATED THAT THE RESPECTIVE CONCRETE HAS REALIZED A MINIMUM COMPRESSIVE STRENGTH OF 4,500 PSI, EXCAVATIONS MAY BE BACKFILLED WITH DGA COMPACTED IN 6" MAXIMUM LIFTS UP TO THE UNDERSIDE OF THE ADJACENT ASPHALT/ CONCRETE WALKWAY. RESTORE DISTURBED AREAS.
- SEE CONTRACT SPECIFICATION SECTIONS 03 10 00 - CONCRETE FORMING AND ACCESSORIES, AND 03 30 00 - CAST-IN-PLACE CONCRETE FOR ADDITIONAL INFORMATION.
- ALL ALUMINUM SURFACES TO COME INTO CONTACT WITH CONCRETE AND/OR CONCRETE REPAIR MATERIALS ARE TO RECEIVE 2 COATS OF SIKADUR HI-MOD 32, OR APPROVED EQUAL. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK AND THE COSTS INCURRED SHALL BE INCLUDED IN THE VARIOUS ITEMS ON THE PROPOSAL.
- AS A MINIMUM, METHODS AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE CODE REQUIREMENTS FOR ENVIRONMENTAL ENGINEERING CONCRETE STRUCTURES AND COMMENTARY (ACI 308), LATEST REVISION, THE SSPC - SOCIETY FOR PROTECTIVE COATINGS REQUIREMENTS, THE RESPECTIVE MANUFACTURER'S REQUIREMENTS AND THE CONTRACT DOCUMENTS.

NO.	DATE	APPR.	REVISION

DESIGN: DLH/RCC  
 DRAWN: RCC  
 CHECK: MAD  
 DATE: 01/21/2025

COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.

Marc A. DeBlasio 1/21/2025  
 MARC A. DEBLASIO, P.E. DATE  
 New Jersey License No. 41599

Scale: AS NOTED  
 Job No.: 24A-C-021  
 Sheet No.: 24  
 Total: 37

**CONCRETE REPAIR DETAILS & NOTES**

**DeBlasio & Associates**  
 ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
 WILDWOOD, NJ 08260  
 PHONE (609) 854-3311  
 FAX (609) 854-4323  
 WWW.DEBLASIOASSOC.COM  
 Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
 CITY OF CAPE MAY  
 CAPE MAY COUNTY, NEW JERSEY

Design: DLH/RCC  
 Drawn: RCC  
 Check: MAD  
 Date: 01/21/2025

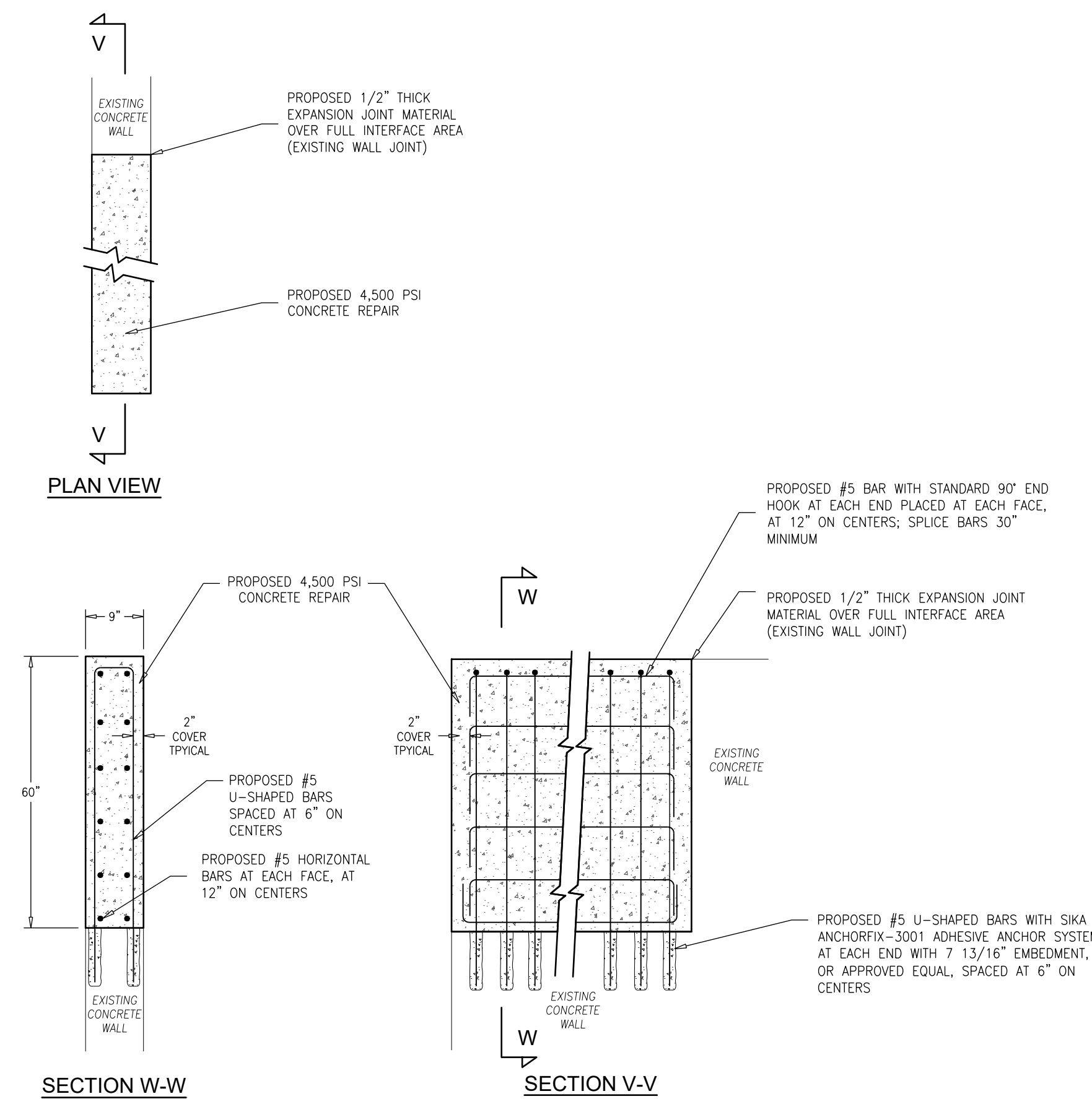
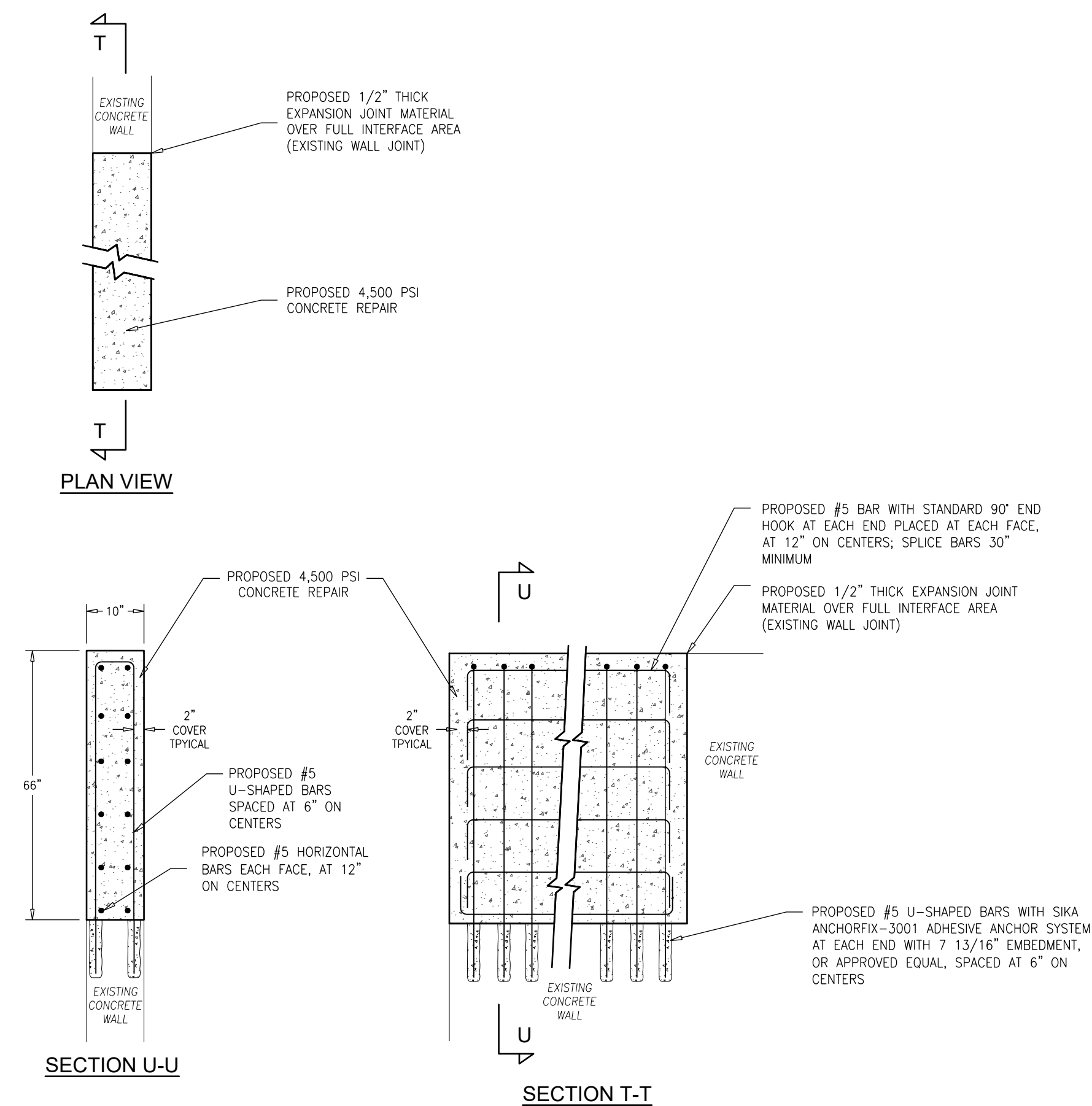
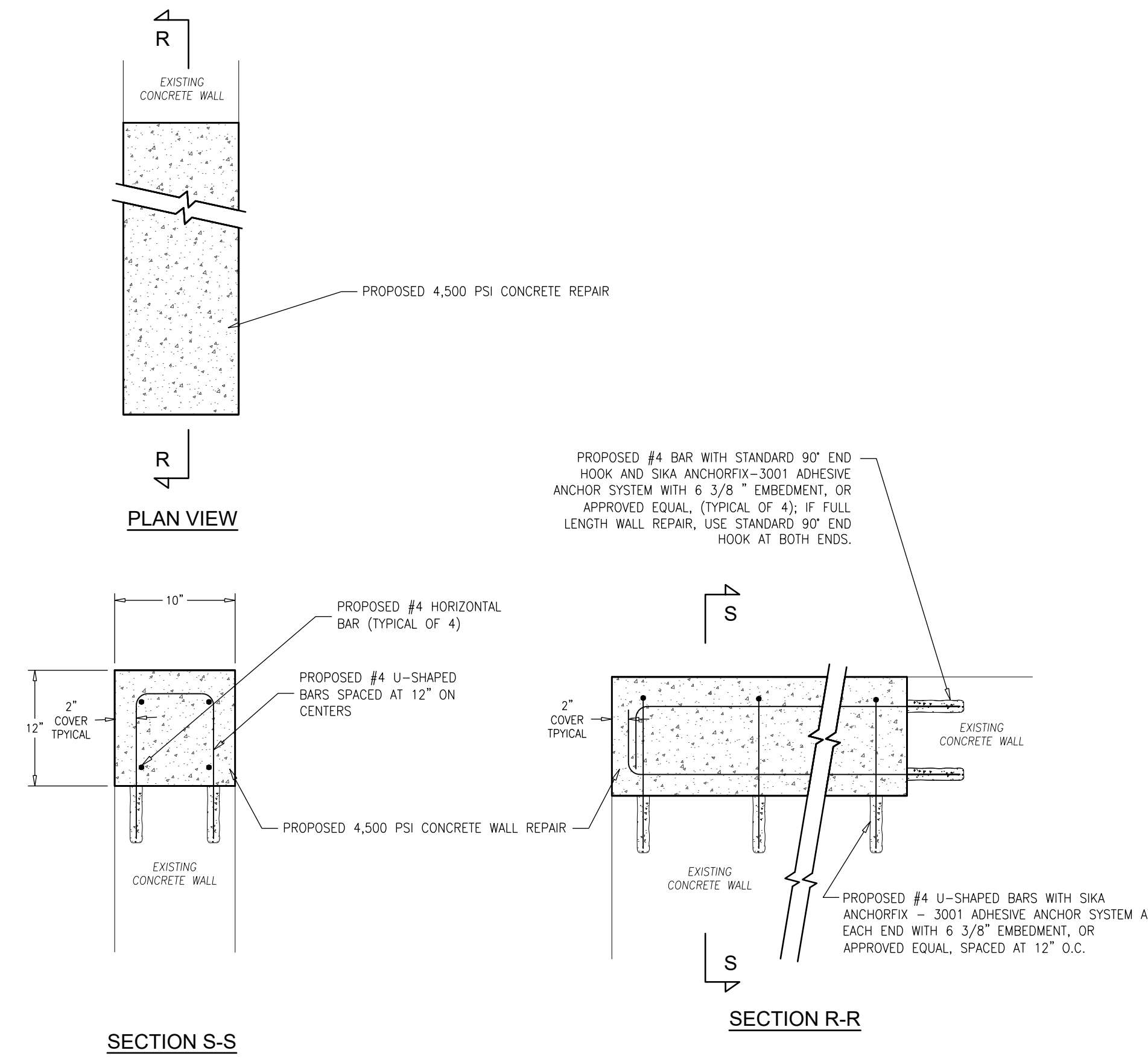
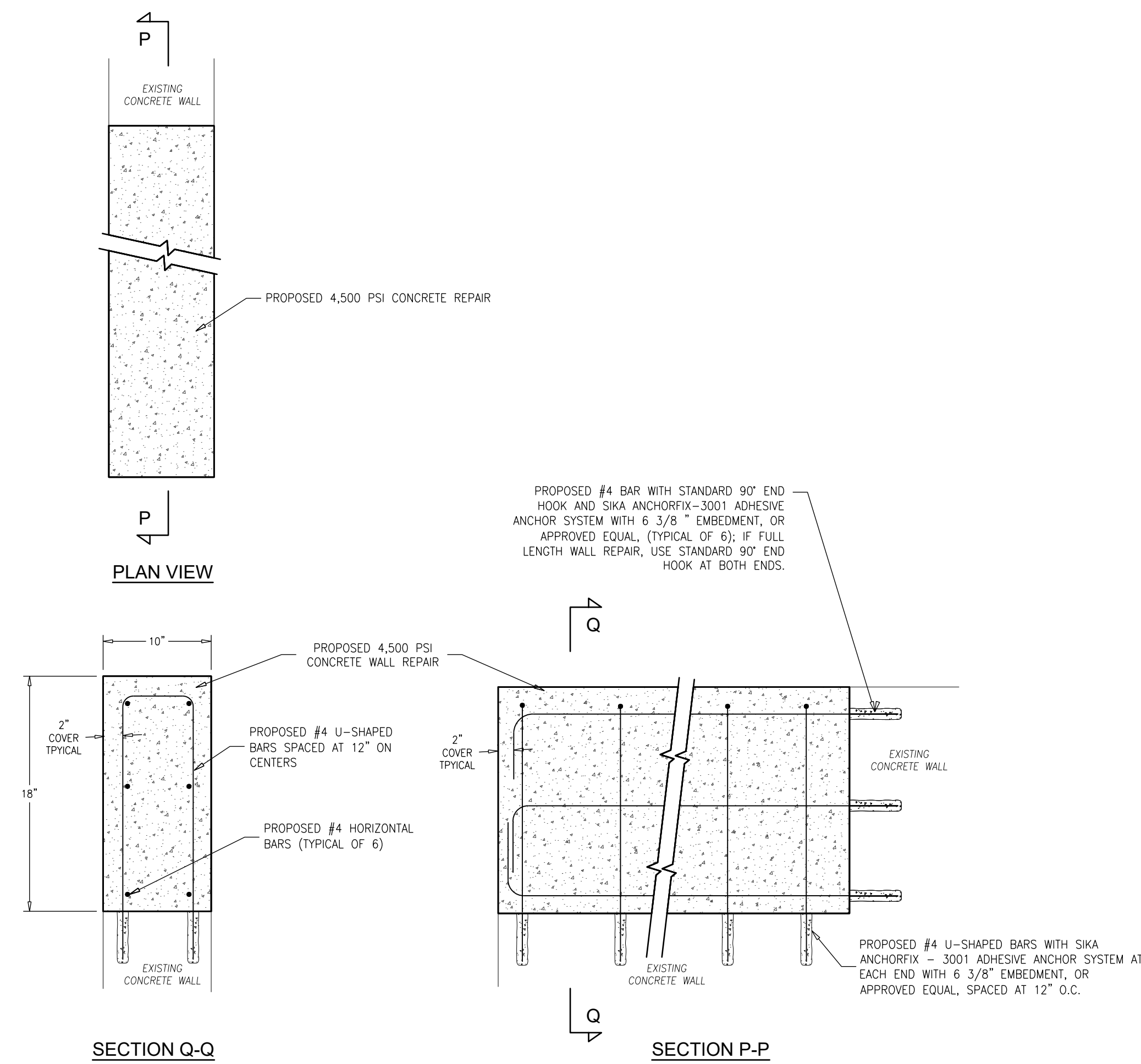
Marc A. DeBlasio 1/21/2025  
 MARC A. DEBLASIO, P.E. DATE  
 New Jersey License No. 41599

Scale: AS NOTED  
 Job No.: 24A-C-021  
 Sheet No.: 24  
 Total: 37



**CONCRETE DETAIL NOTES:**

- SAWCUT, DEMOLISH AND PROPERLY DISPOSE OF EXISTING ASPHALT/CONCRETE AS REQUIRED FROM AROUND CONCRETE WALL SEGMENTS TO BE REPAIRED AND CONCRETE SLABS TO BE REPLACED. EXCAVATE EXISTING MATERIALS AS REQUIRED FROM AROUND WALL SEGMENTS TO BE REPAIRED AND FROM UNDER EXISTING SLABS TO BE REPLACED. ENSURE THAT A MINIMUM EXCAVATION DEPTH OF 12" IS PROVIDED FROM THE TOP OF PROPOSED CONCRETE SLABS FINISHED GRADE. PROVIDE AND INSTALL SHEETING AND SHORING AS REQUIRED.
- SAWCUT THE PERIMETER OF, MECHANICALLY REMOVE, DEMOLISH AND PROPERLY DISPOSE OF ALL CONCRETE FROM DESIGNATED AREAS TO BE REPAIRED/REPLACED. ENSURE THAT EXISTING STEEL ANCHOR RODS FOR EXISTING PILES ARE PRESERVED.
- DGA FILL IS TO BE PLACED IN 6" THICK (MAX.) LIFTS COMPACTED UP TO THE UNDERSIDE OF THE PROPOSED CONCRETE SLABS. ENSURE THAT A MINIMUM DGA THICKNESS OF 6" IS INSTALLED BENEATH ALL PROPOSED CONCRETE SLABS.
- #4 REBAR LAP SPICES ARE TO BE 24" LONG MINIMUM. #5 REBAR LAP SPICES ARE TO BE 30" LONG MINIMUM. EPOXY COATED WELDED PLAIN WIRE REINFORCEMENT LAP SPICES ARE TO BE 18" LONG MINIMUM.
- WHEN AND WHERE THE REPAIRS ABUT EXISTING JOINTS, REFER TO AND IMPLEMENT THE REQUIREMENTS OF DETAIL 8 - EXPANSION JOINT.
- REMOVE ALL RUST, DIRT, OIL GREASE AND OTHER BOND-INHIBITING MATERIALS FROM CONCRETE AREAS TO BE REPAIRED. HIGH PRESSURE WATER BLAST CLEAN ALL EXISTING CONCRETE SURFACES WITHIN REPAIR AREAS. APPLY SIKA ARMATEC-110 EPOCEM BONDING PRIMER, OR APPROVED EQUAL, TO ALL EXISTING CONCRETE/NEW CONCRETE INTERFACE AREAS.
- IMMEDIATELY AFTER APPLYING THE BONDING PRIMER, PLACE 4,500 PSI CONCRETE MIX INTO THE FORMWORK. THE CONCRETE MIX IS TO BE VIBRATED DURING PLACEMENT TO ENSURE PROPER FILLING AND ADHESION. AFTER THE FORMS HAVE BEEN STRIPPED, REMOVE THE FORM ANCHORS AND DRY PACK THE ANCHOR HOLES WITH SIKA MORTAR, OR APPROVED EQUAL. THE CONTRACTOR IS TO PROVIDE A CONCRETE SURFACE PROFILE (CSP) OF 3, PER ICRI GUIDE 310.2, UNIFORM IN LINE, GRADE, TEXTURE AND APPEARANCE. MOIST CURE WITH WET BURLAP AND POLYETHYLENE OR A FINE MIST OF WATER.
- AFTER THE CONCRETE TEST RESULTS HAVE DEMONSTRATED THAT THE RESPECTIVE CONCRETE HAS REALIZED A MINIMUM COMPRESSIVE STRENGTH OF 4,500 PSI, EXCAVATIONS MAY BE BACKFILLED WITH DGA COMPACTED IN 6" MAXIMUM LIFTS UP TO THE UNDERSIDE OF THE ADJACENT ASPHALT/ CONCRETE WALKWAY. RESTORE DISTURBED AREAS.
- SEE CONTRACT SPECIFICATION SECTIONS 03 10 00 - CONCRETE FORMING AND ACCESSORIES, AND 03 30 00 - CAST-IN-PLACE CONCRETE FOR ADDITIONAL INFORMATION.
- ALL ALUMINUM SURFACES TO COME INTO CONTACT WITH CONCRETE AND/OR CONCRETE REPAIR MATERIALS ARE TO RECEIVE 2 COATS OF SIKADUR HH-MOD 32, OR APPROVED EQUAL. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK AND THE COSTS INCURRED SHALL BE INCLUDED IN THE VARIOUS ITEMS ON THE PROPOSAL.
- AS A MINIMUM, METHODS AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE CODE REQUIREMENTS FOR ENVIRONMENTAL ENGINEERING CONCRETE STRUCTURES AND COMMENTARY (ACI 308), LATEST REVISION, THE SSPC - SOCIETY FOR PROTECTIVE COATINGS REQUIREMENTS, THE RESPECTIVE MANUFACTURER'S REQUIREMENTS AND THE CONTRACT DOCUMENTS.



**CONCRETE REPAIR DETAILS & NOTES**

**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
DLH/RCC	RCC	MAD	01/21/2025

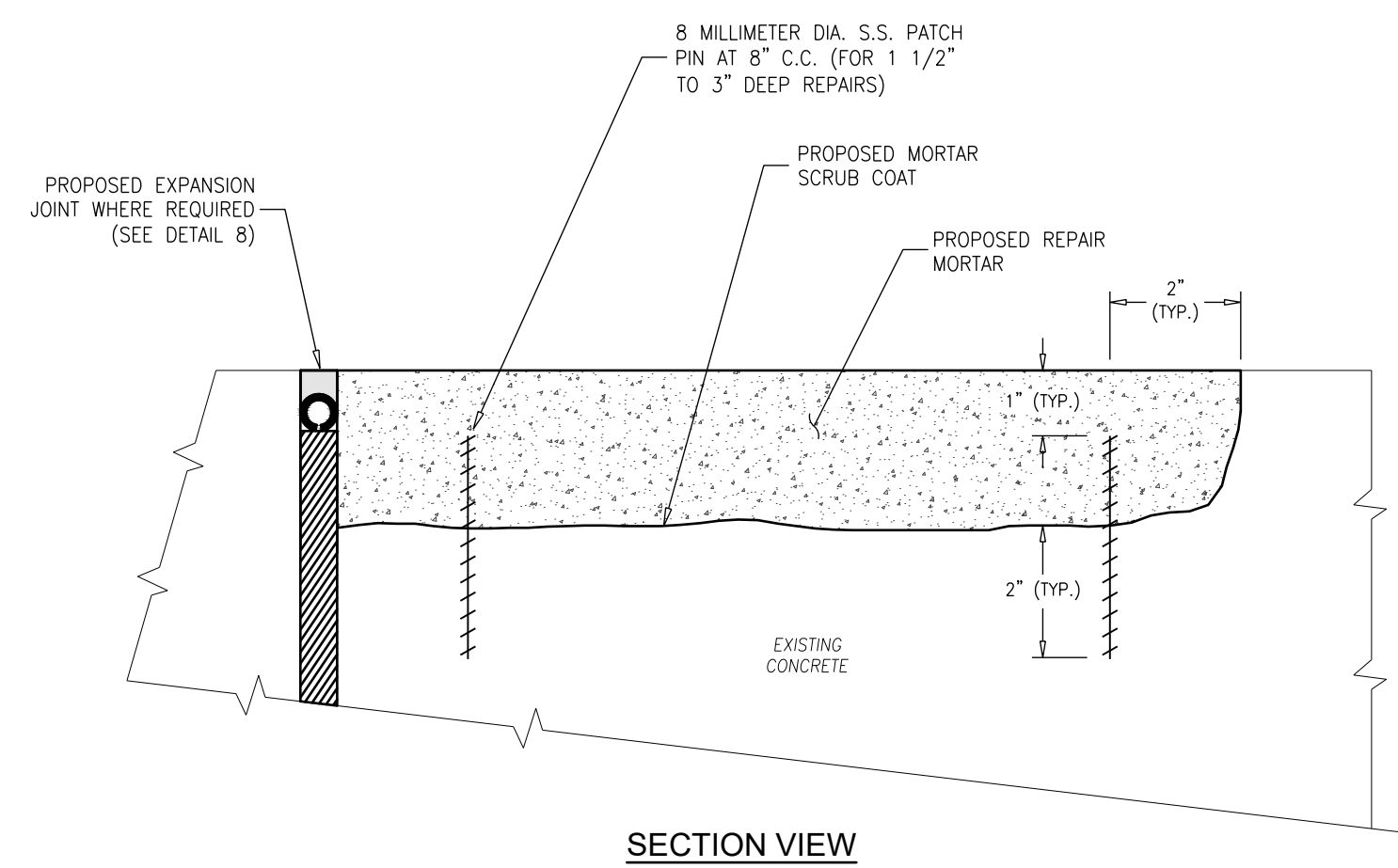
NO.	DATE	APPR.	REVISION

*Marc A. DeBlasio* 1/21/2025  
**MARC A. DEBLASIO, P.E.** DATE  
New Jersey License No. 41599

COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.

Scale:	Sheet No.:	Total:
AS NOTED	25	37





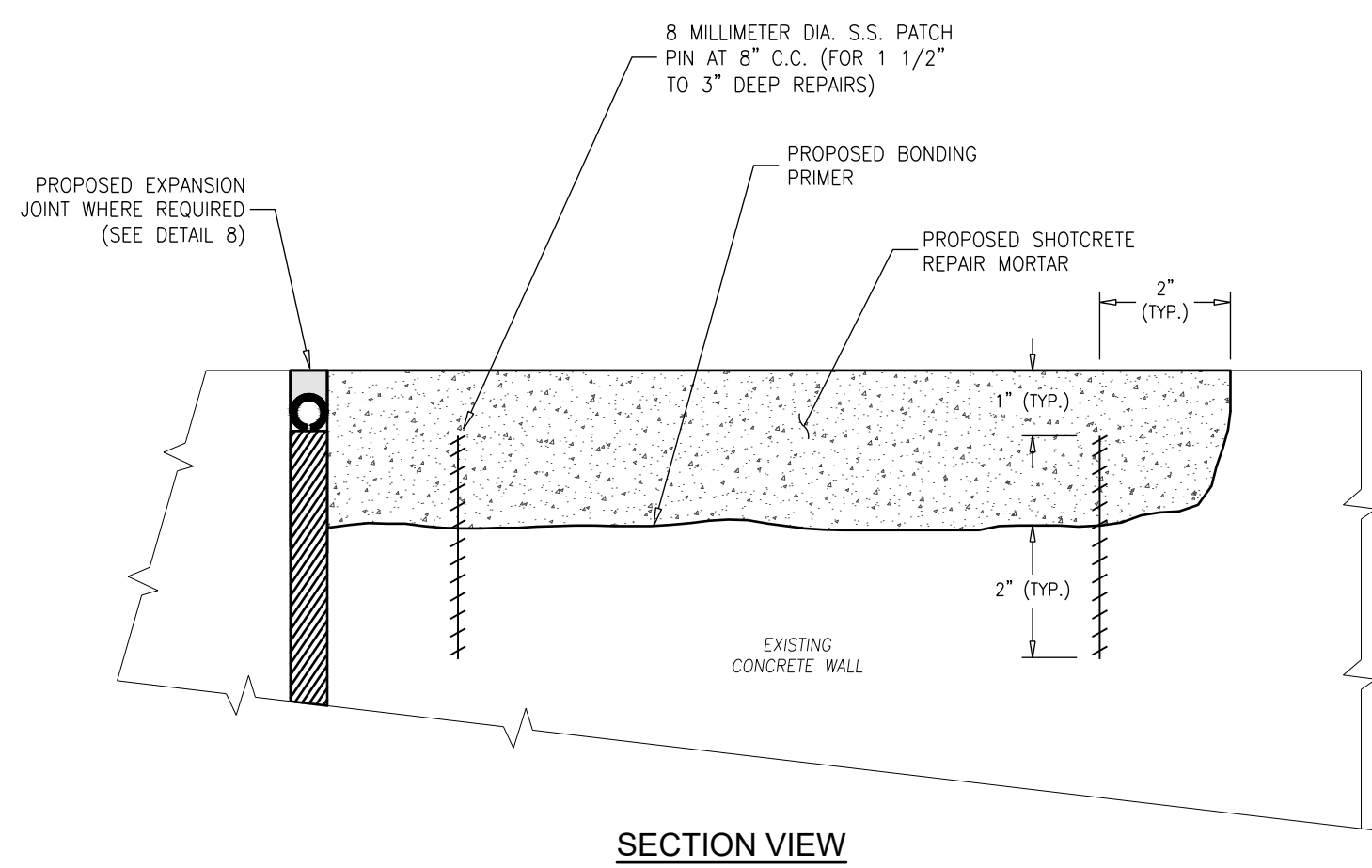
SECTION VIEW

NOTE:

1. SEE CONCRETE WALL REPAIR SPECIFICATION 1 - SHALLOW HORIZONTAL REPAIR - 1/2" TO 3" DEEP.

**ITEM NO. C1 - SHALLOW HORIZONTAL REPAIR  
(1/2" TO 3" DEEP RANGE)**

N.T.S.



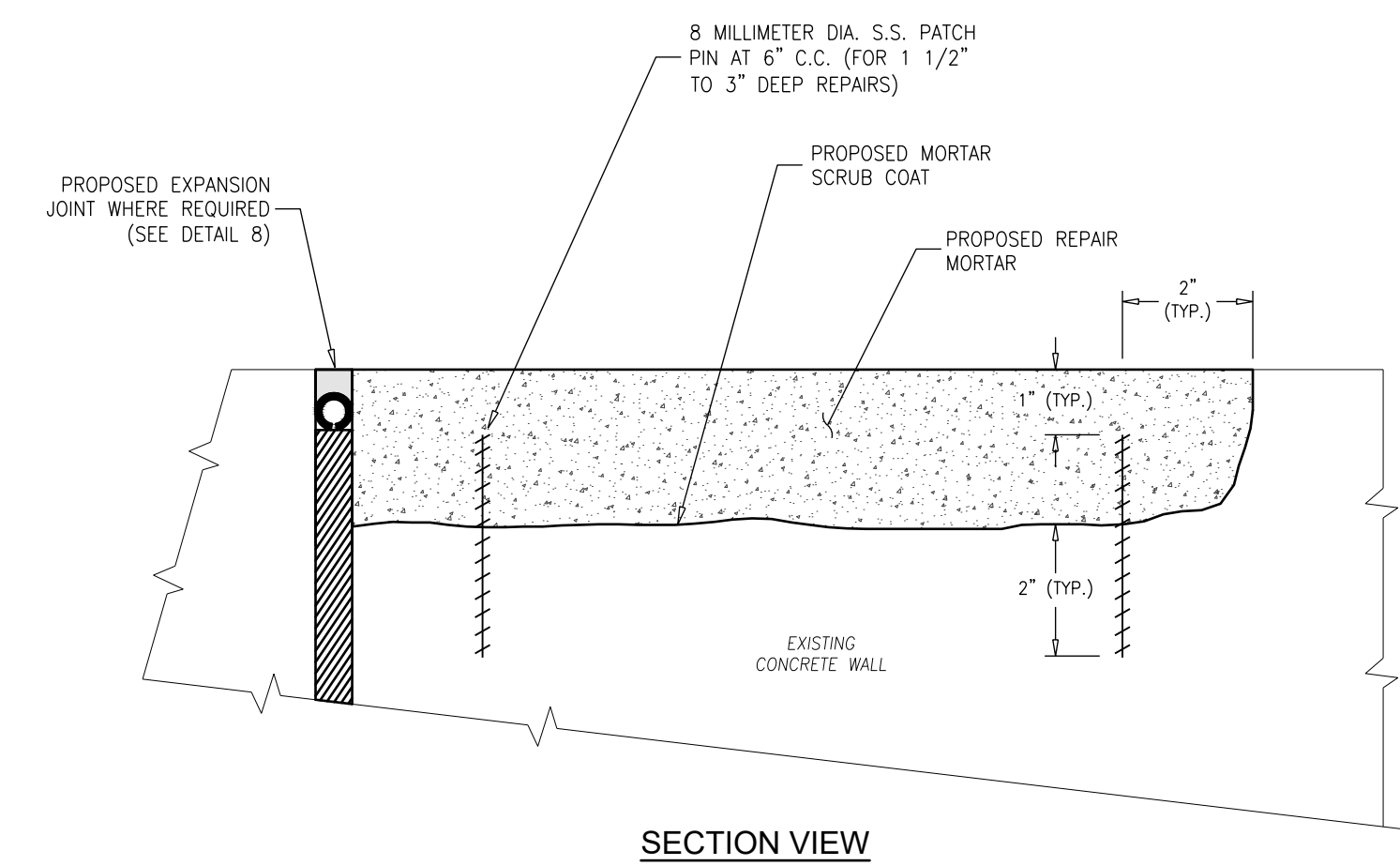
SECTION VIEW

NOTE:

1. SEE CONCRETE WALL REPAIR SPECIFICATION 4A - SHOTCRETE REPAIR - 1" TO 3" DEEP.

**ITEM NO. C6 - SHOTCRETE REPAIR  
(1" TO 3" DEEP RANGE)**

N.T.S.



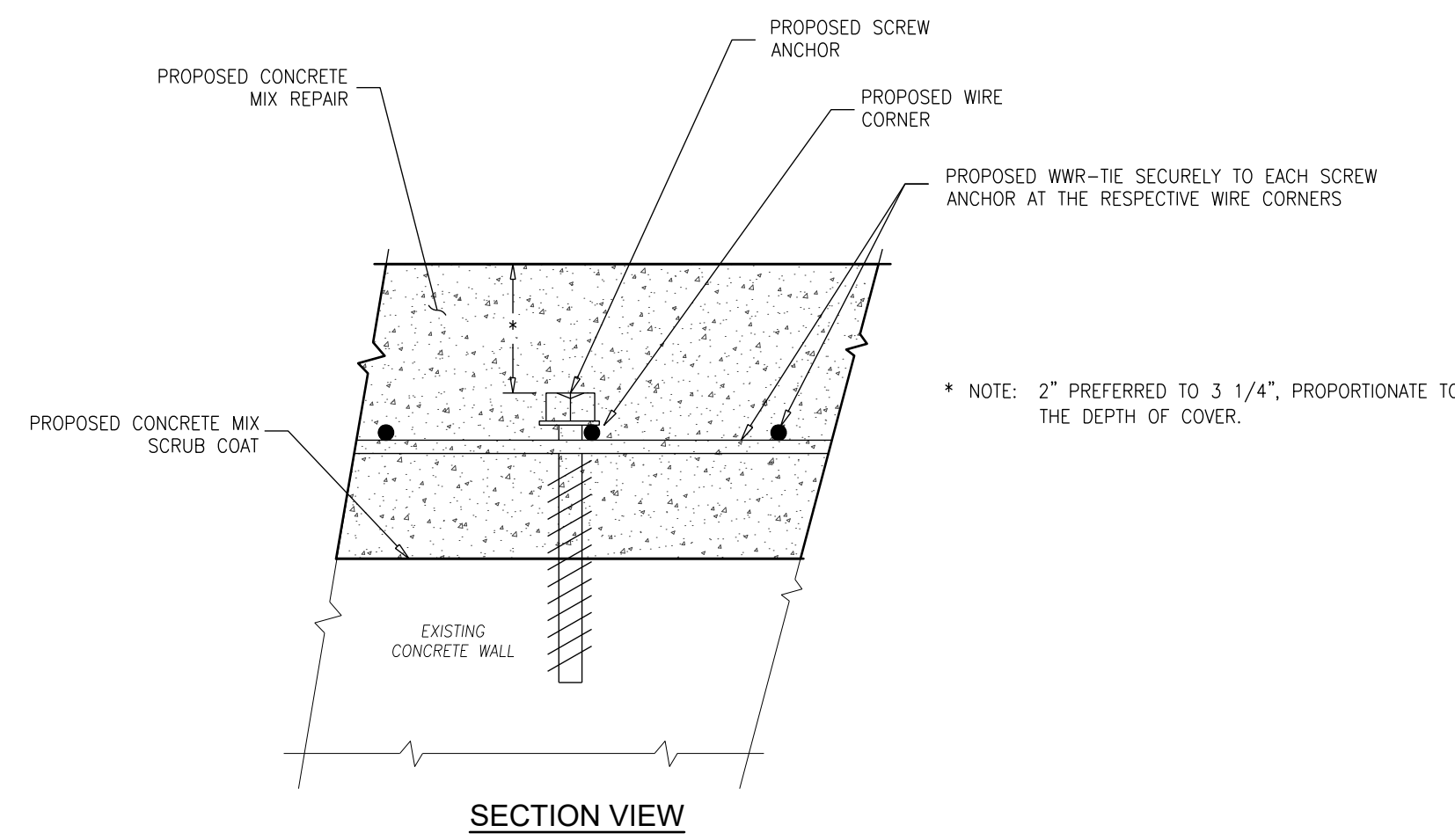
SECTION VIEW

NOTE:

1. SEE CONCRETE WALL REPAIR SPECIFICATION 6 - VERTICAL HAND PATCH REPAIR - 1" TO 3" DEEP.

**ITEM NO. C9 - VERTICAL HAND PATCH REPAIR  
(1" TO 3" DEEP RANGE)**

N.T.S.



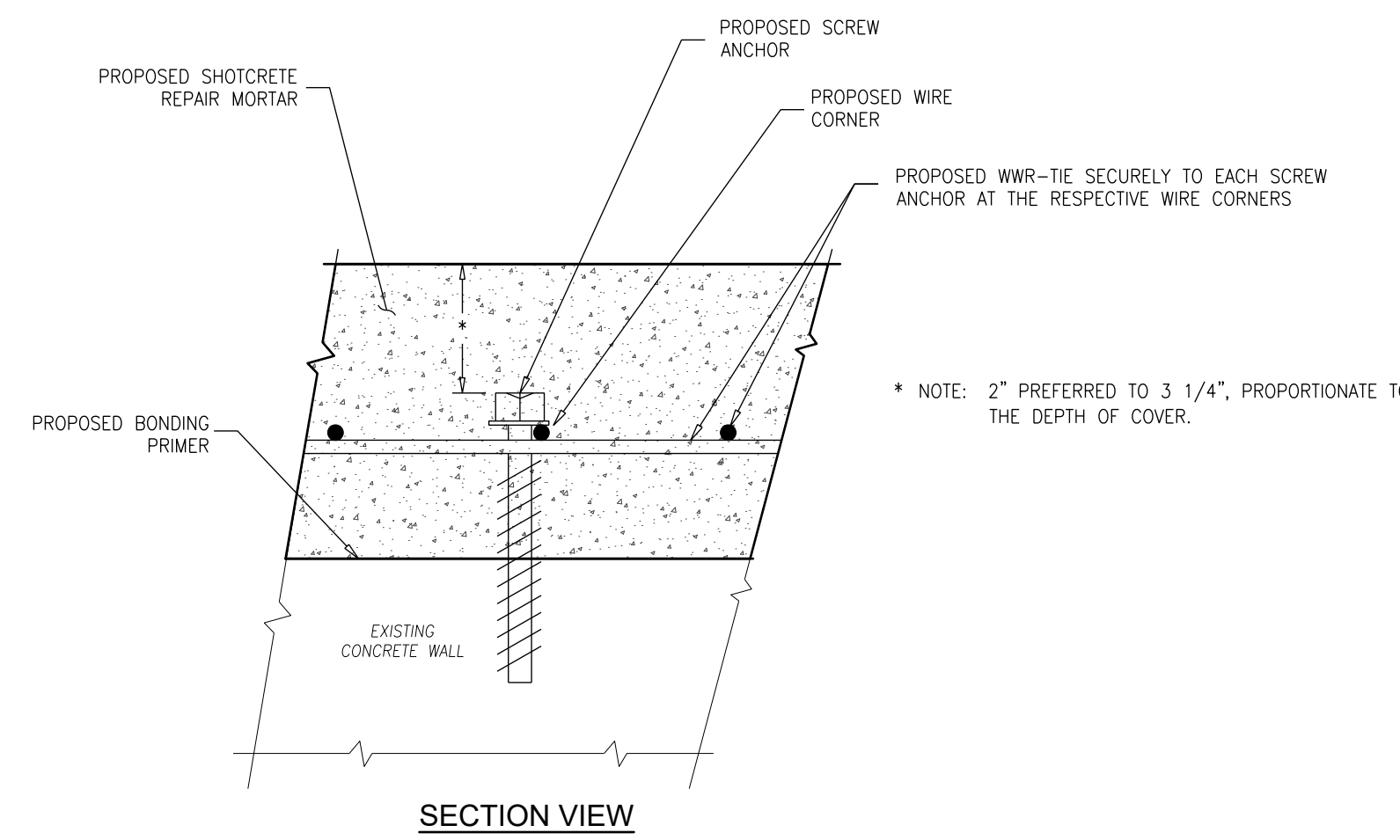
SECTION VIEW

NOTES:

1. SEE CONCRETE WALL REPAIR SPECIFICATION 2A - DEEP HORIZONTAL REPAIR - 3" TO 5" DEEP.
2. SEE CONCRETE WALL REPAIR SPECIFICATION 2B - DEEP HORIZONTAL REPAIR - 5" TO 8" DEEP.
3. SEE CONCRETE WALL REPAIR SPECIFICATION 3B - FORM AND POUR REPAIR - 3" TO 8" DEEP.

**ITEM NO. C2 - DEEP HORIZONTAL REPAIR (3" TO 5" DEEP RANGE)  
ITEM NO. C3 - DEEP HORIZONTAL REPAIR (5" TO 8" DEEP RANGE)  
ITEM NO. C5 - FORM AND POUR REPAIR (3" TO 8" DEEP RANGE)**

N.T.S.



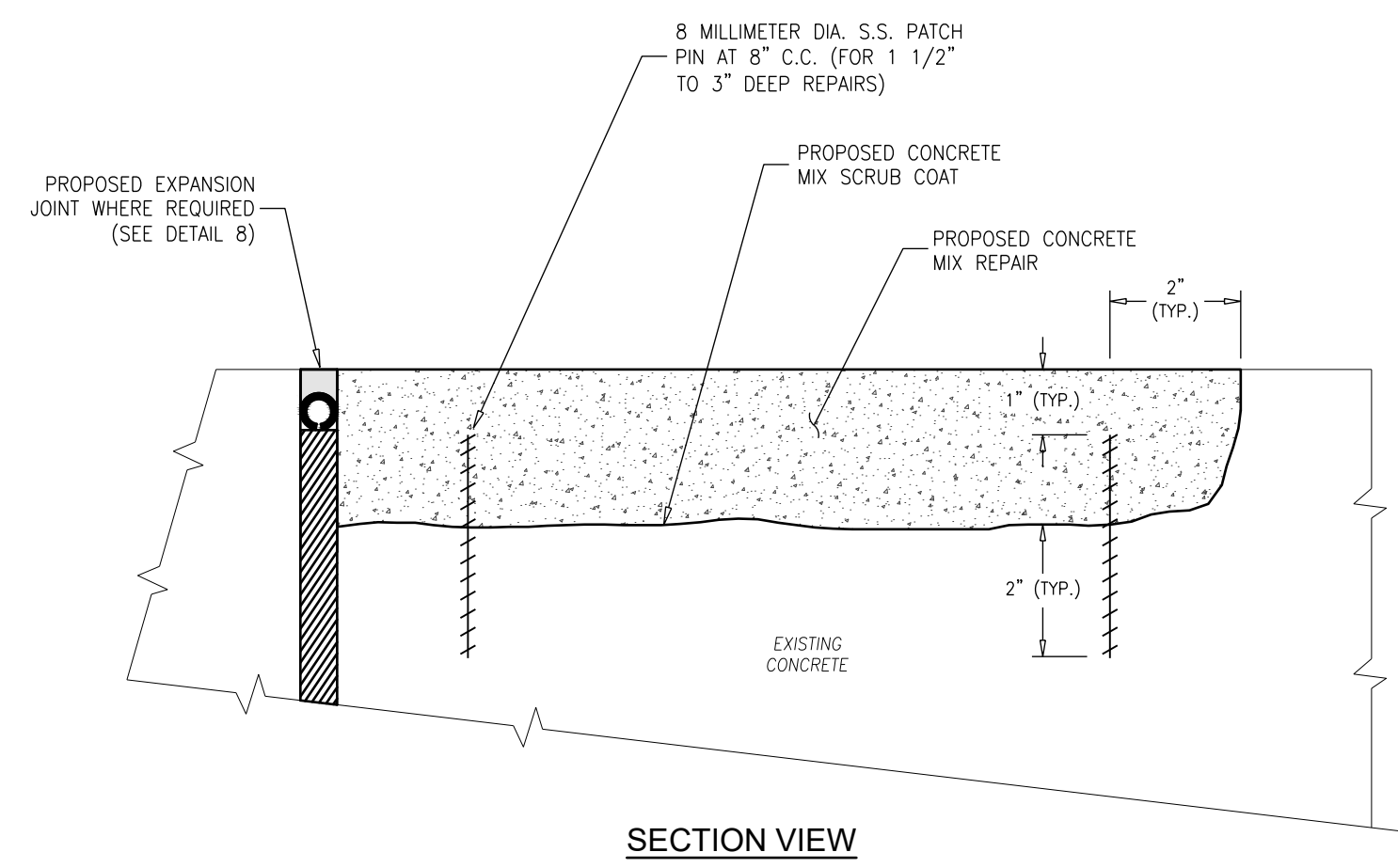
SECTION VIEW

NOTE:

1. SEE CONCRETE WALL REPAIR SPECIFICATION 4B - SHOTCRETE REPAIR - 3" TO 8" DEEP.

**ITEM NO. C7 - SHOTCRETE REPAIR  
(3" TO 8" DEEP RANGE)**

N.T.S.



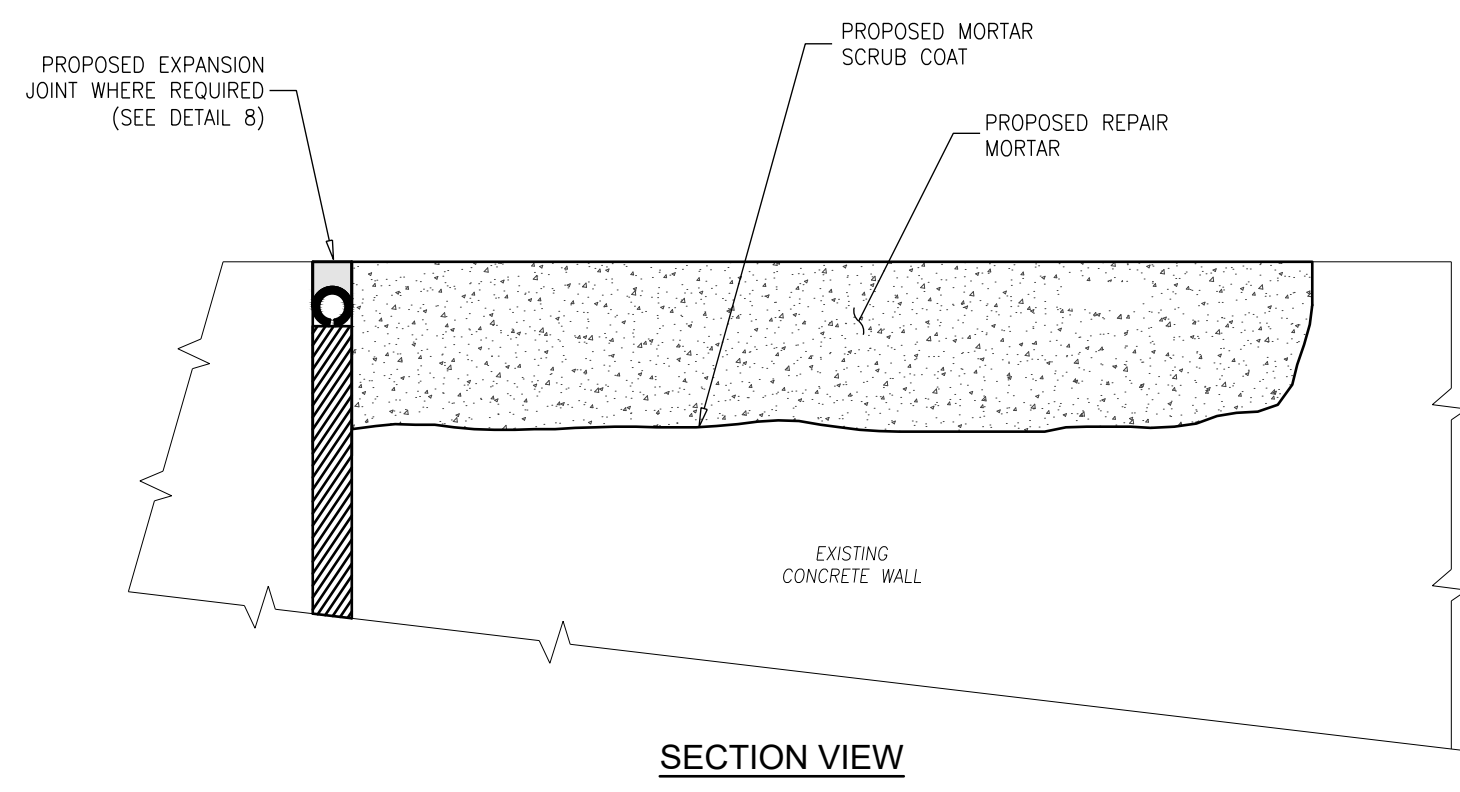
SECTION VIEW

NOTE:

1. SEE CONCRETE WALL REPAIR SPECIFICATION 3A - FORM AND POUR REPAIR - 1" TO 3" DEEP.

**ITEM NO. C4 - FORM AND POUR REPAIR  
(1" TO 3" DEEP RANGE)**

N.T.S.



SECTION VIEW

NOTE:

1. SEE CONCRETE WALL REPAIR SPECIFICATION 5 - VERTICAL SKIM COAT REPAIR - 1/4" TO 1" DEEP

**ITEM NO. C8 - VERTICAL SKIM COAT REPAIR  
(1/4" TO 1" DEEP RANGE)**

N.T.S.

**CONCRETE REPAIR  
DETAILS & NOTES**

**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24GA28284900

**CAPE MAY PROMENADE  
IMPROVEMENTS (PHASE 1)  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY**

Design:	Drawn:	Check:	Date:
DLH	MWA	MAD	01/21/2025

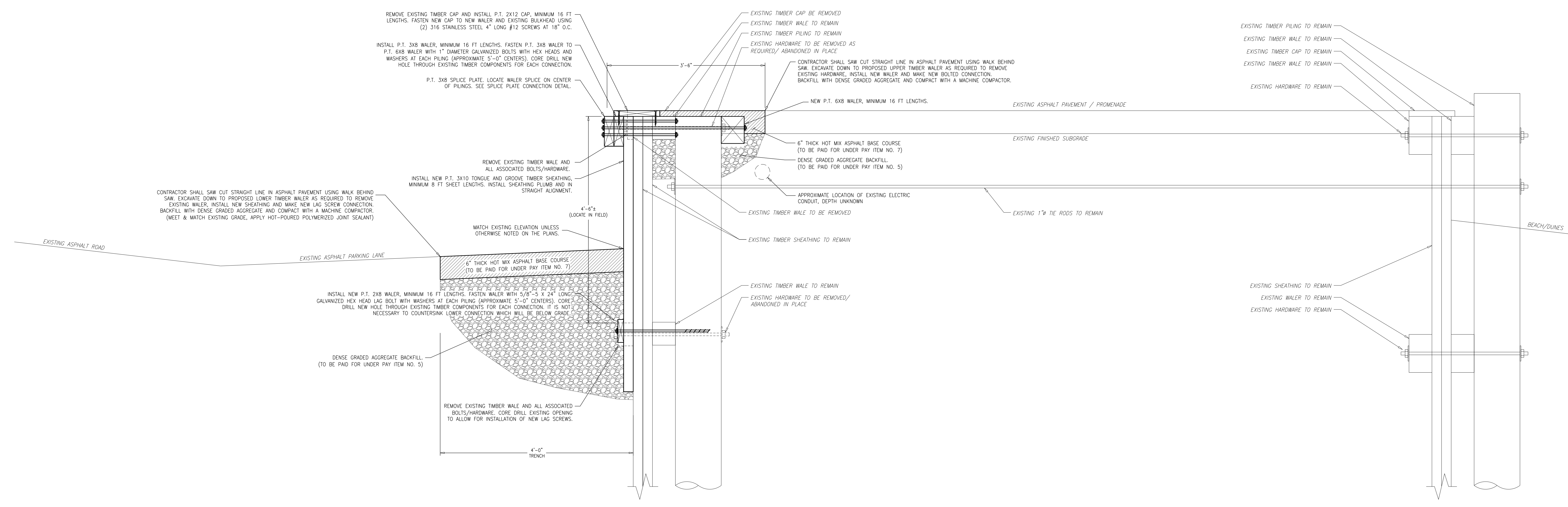
NO.	DATE	APPR.	REVISION

*Marc DeBlasio* 1/21/2025  
DATE  
**MARC A. DEBLASIO, P.E.**  
New Jersey License No. 41599

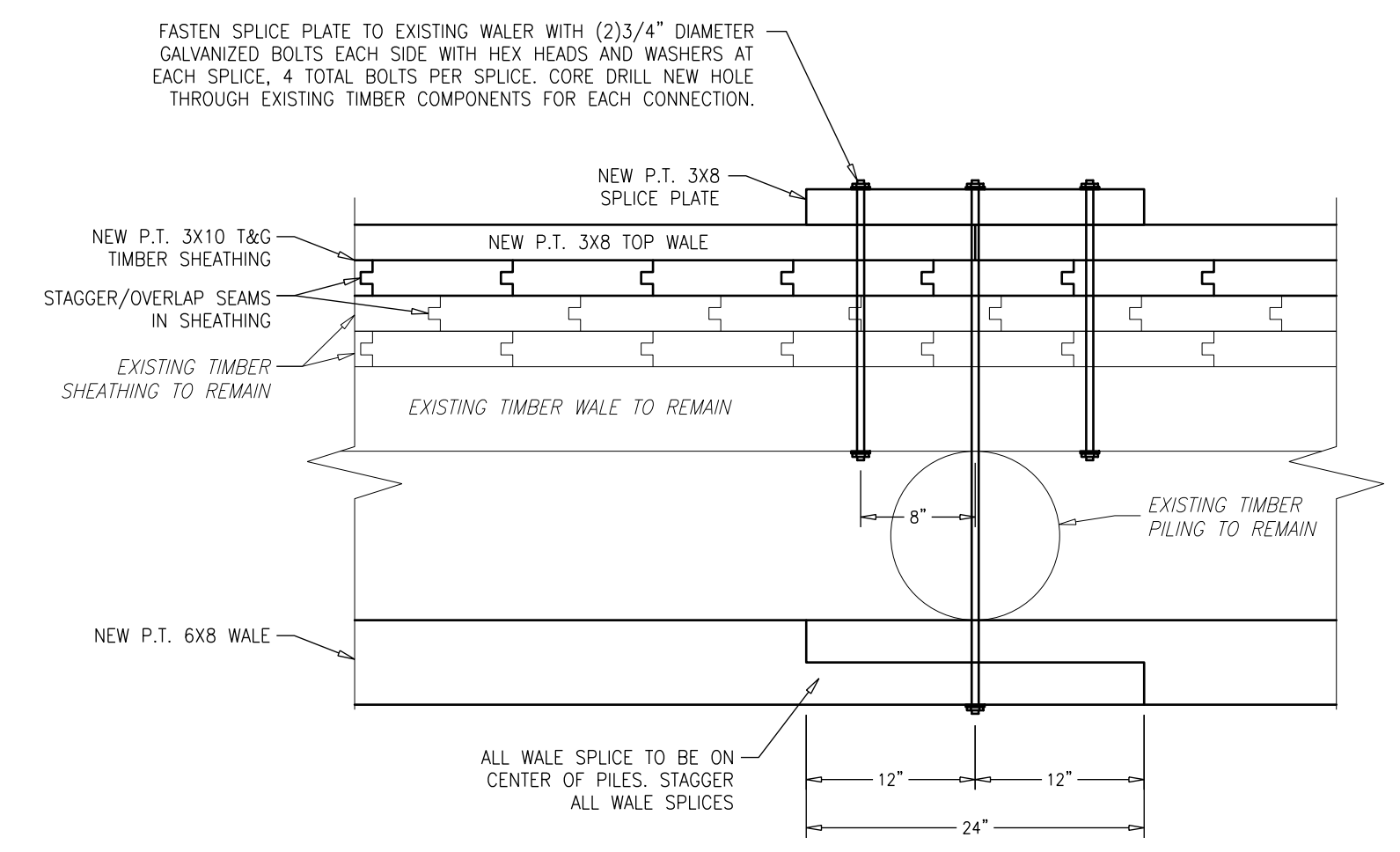
COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.

Scale:	Sheet No.:	Total:
AS NOTED	26	37

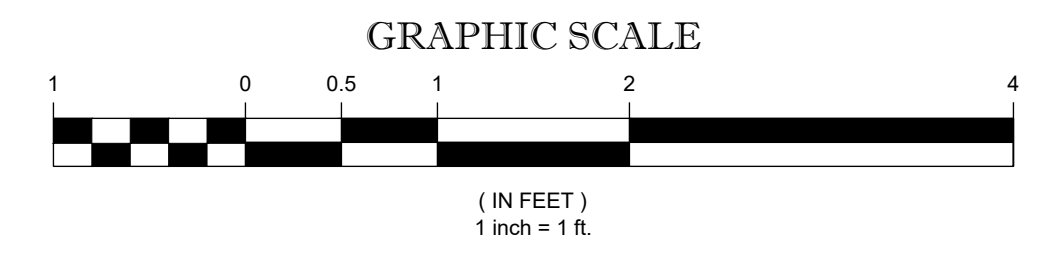




**PROMENADE TIMBER BULKHEAD REPAIR**  
1"=1'-0"



**TIMBER WALER SPLICE DETAIL**  
1"=1'-0"



NO.	DATE	APPR.	REVISION

**TYPICAL TIMBER BULKHEAD DETAIL**

**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24GA28284900

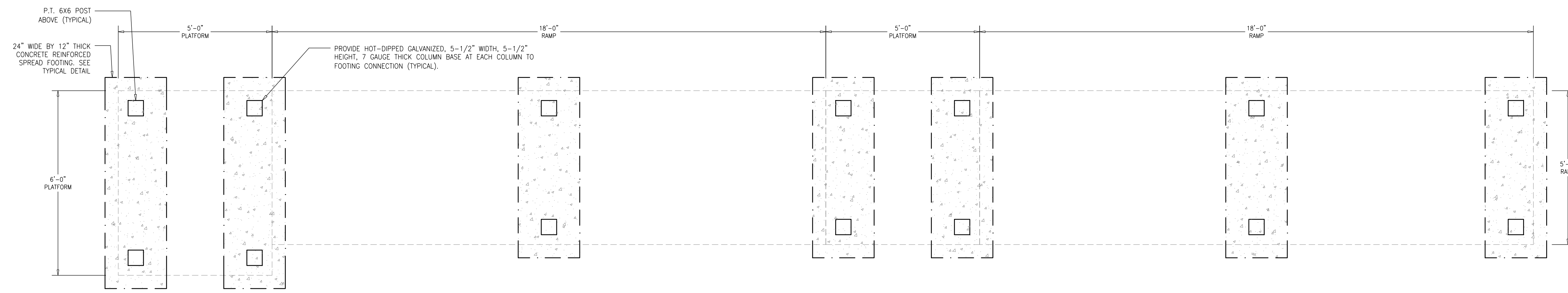
**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
J.M.	J.M.	MAD	01/21/2025

*Marc A. DeBlasio* 1/21/2025  
**MARC A. DEBLASIO, P.E.** DATE  
New Jersey License No. 41599  
Scale: AS NOTED Job No.: 22M-C-023 Sheet No.: 27 Total: 37

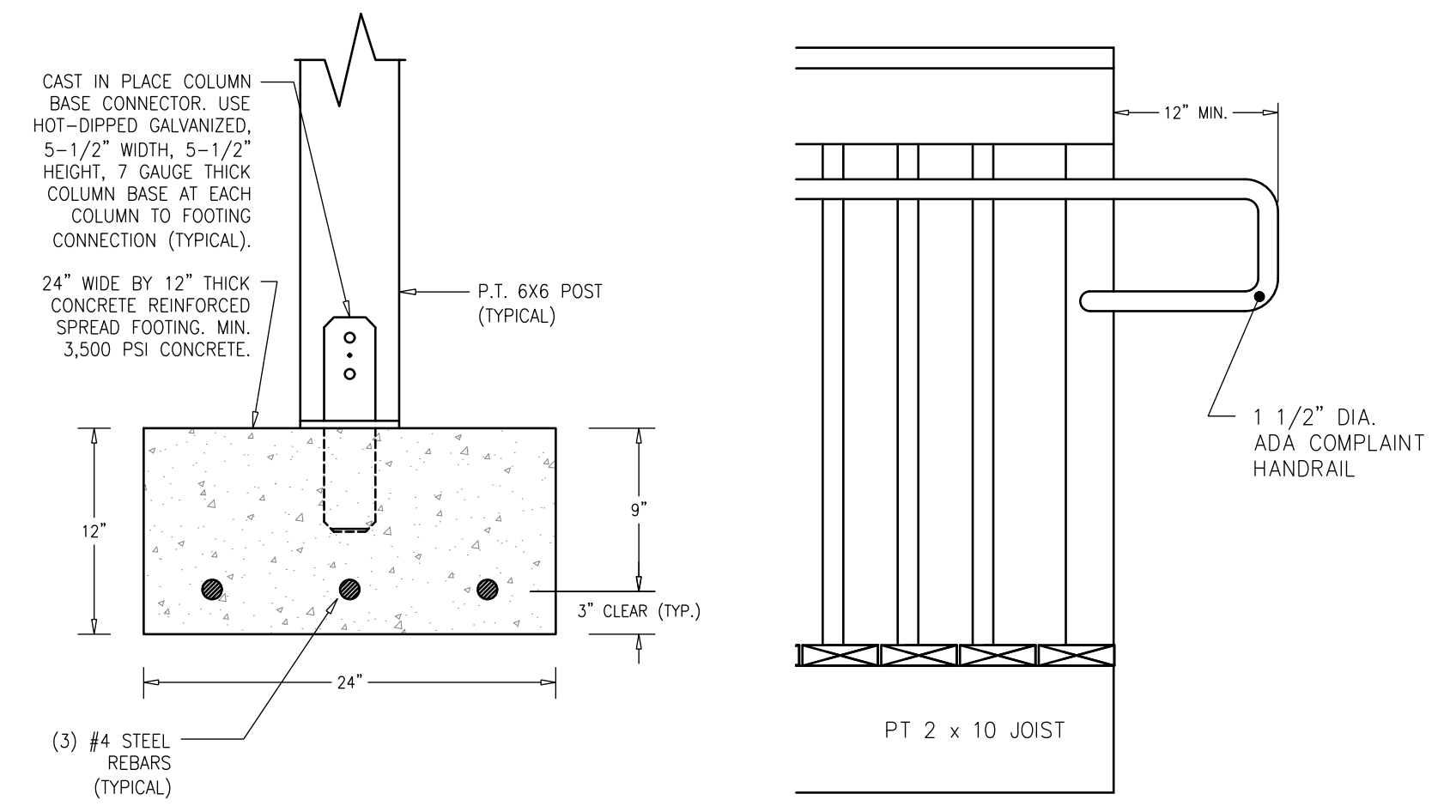
COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.





**RAMP FOUNDATION PLAN**

N.T.S.

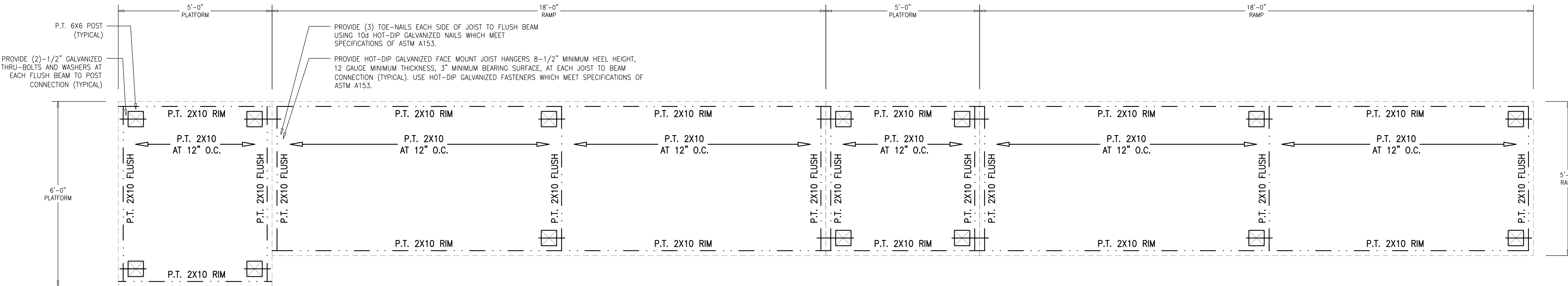


**SPREAD FOOTING DETAIL**

N.T.S.

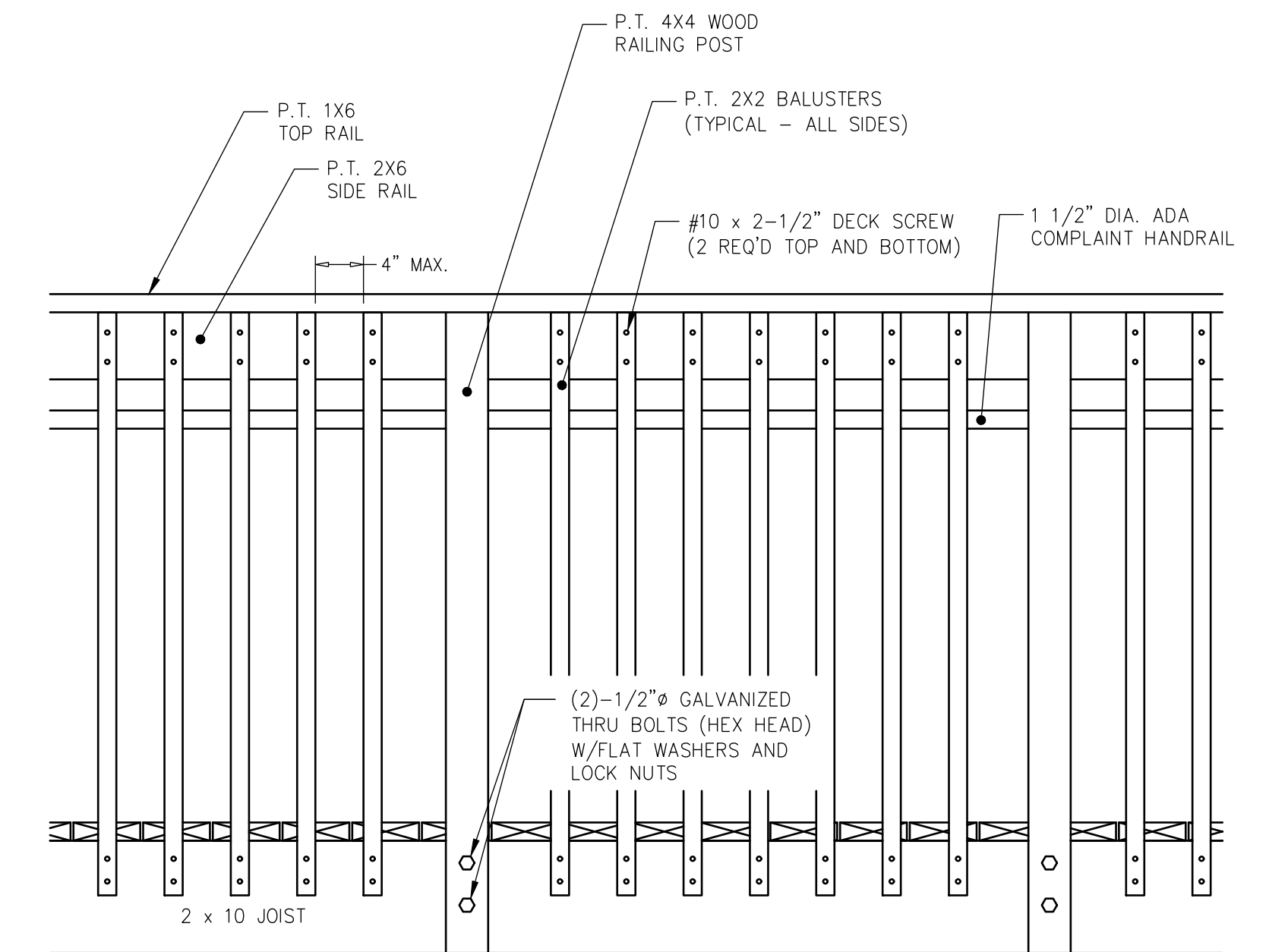
**HANDRAIL EXTENSION DETAIL**

N.T.S.



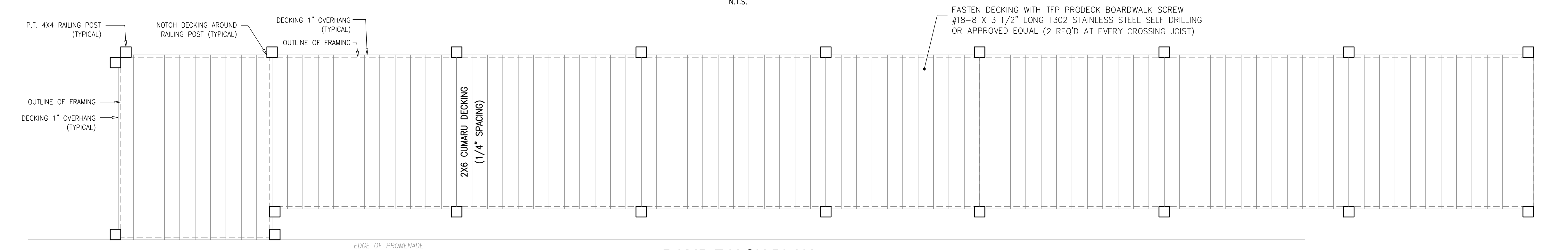
**RAMP FRAMING PLAN**

N.T.S.



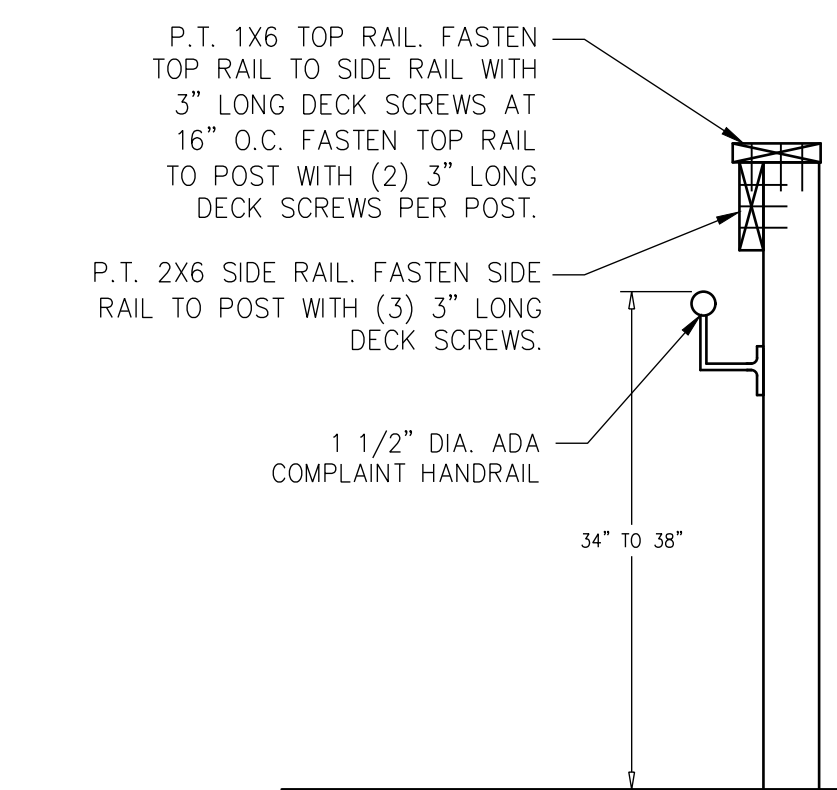
**GUARDRAIL CONNECTION DETAIL**

N.T.S.



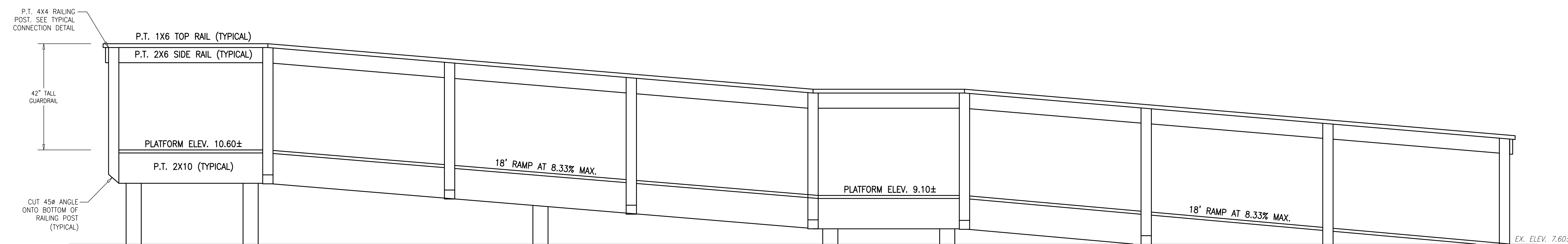
**RAMP FINISH PLAN**

N.T.S.



**GUARDRAIL DETAIL**

N.T.S.



**RAMP ELEVATION**

N.T.S.

**PATTERSON AVENUE ADA TIMBER RAMP DETAIL**

**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24GA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
J.M.	J.M.	MAD	01/21/2025

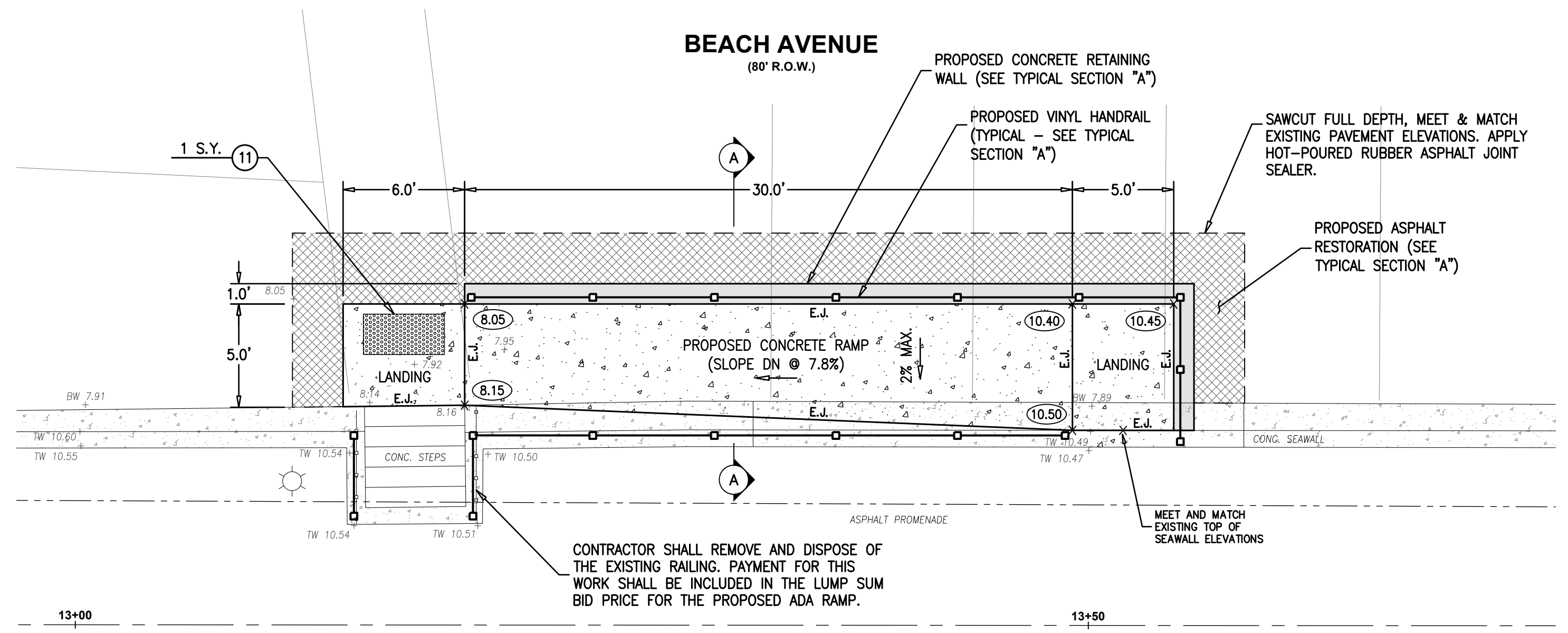
*Marc A. DeBlasio* 1/21/2025  
DATE  
**MARC A. DEBLASIO, P.E.**

New Jersey License No. 41599  
Scale: AS NOTED  
Sheet No. 26  
Total: 37

NO.	DATE	APPR.	REVISION

COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.



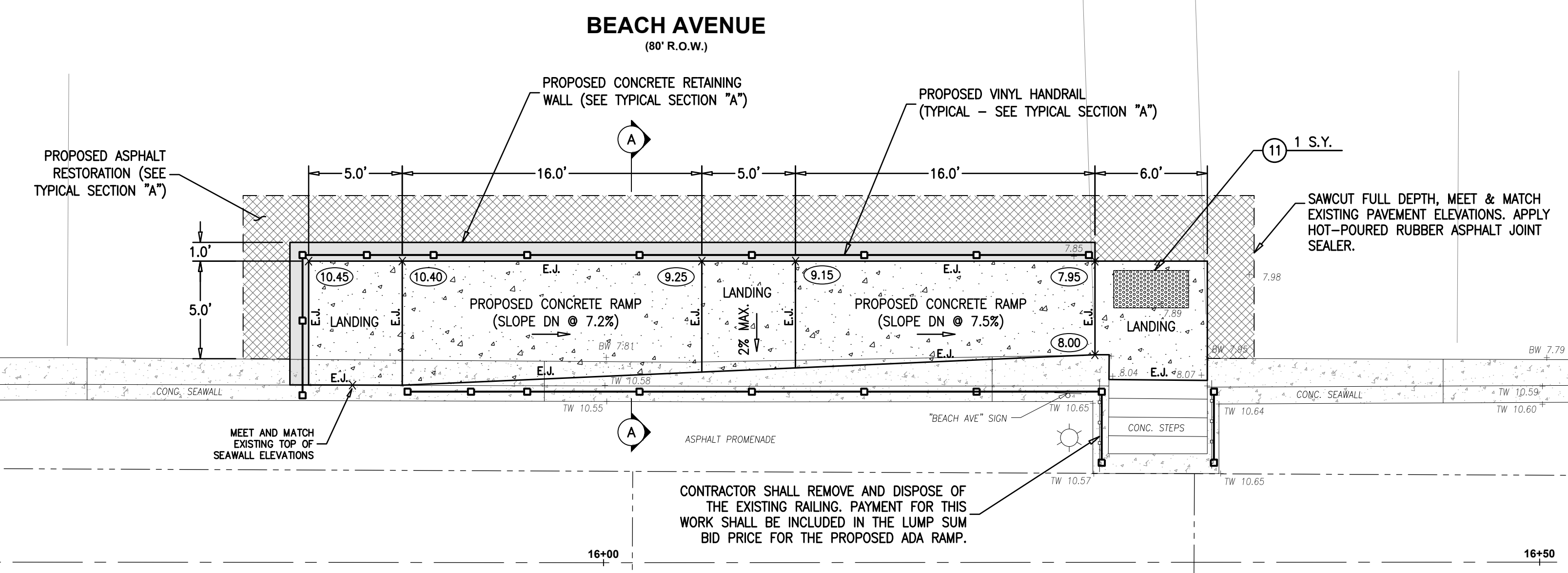


CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING RAILING. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR THE PROPOSED ADA RAMP.

NOTES:  
1. PAYMENT FOR PAY ITEM "PROPOSED ADA ACCESS RAMP AT SECOND AVENUE" SHALL INCLUDE SAWCUTTING, EXCAVATION, DEMOLITION, DGA BACKFILL, COMPACTION, CONCRETE SLAB, CONCRETE RETAINING WALL, REINFORCEMENT, JOINT MATERIAL, VINYL RAILING SYSTEM AND HANDRAIL, ASPHALT RESTORATION AND ALL ELSE NECESSARY FOR A COMPLETE INSTALLATION UNLESS OTHERWISE NOTED.

**PLAN VIEW - SECOND AVENUE**

SCALE : 1"=5'



CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING RAILING. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR THE PROPOSED ADA RAMP.

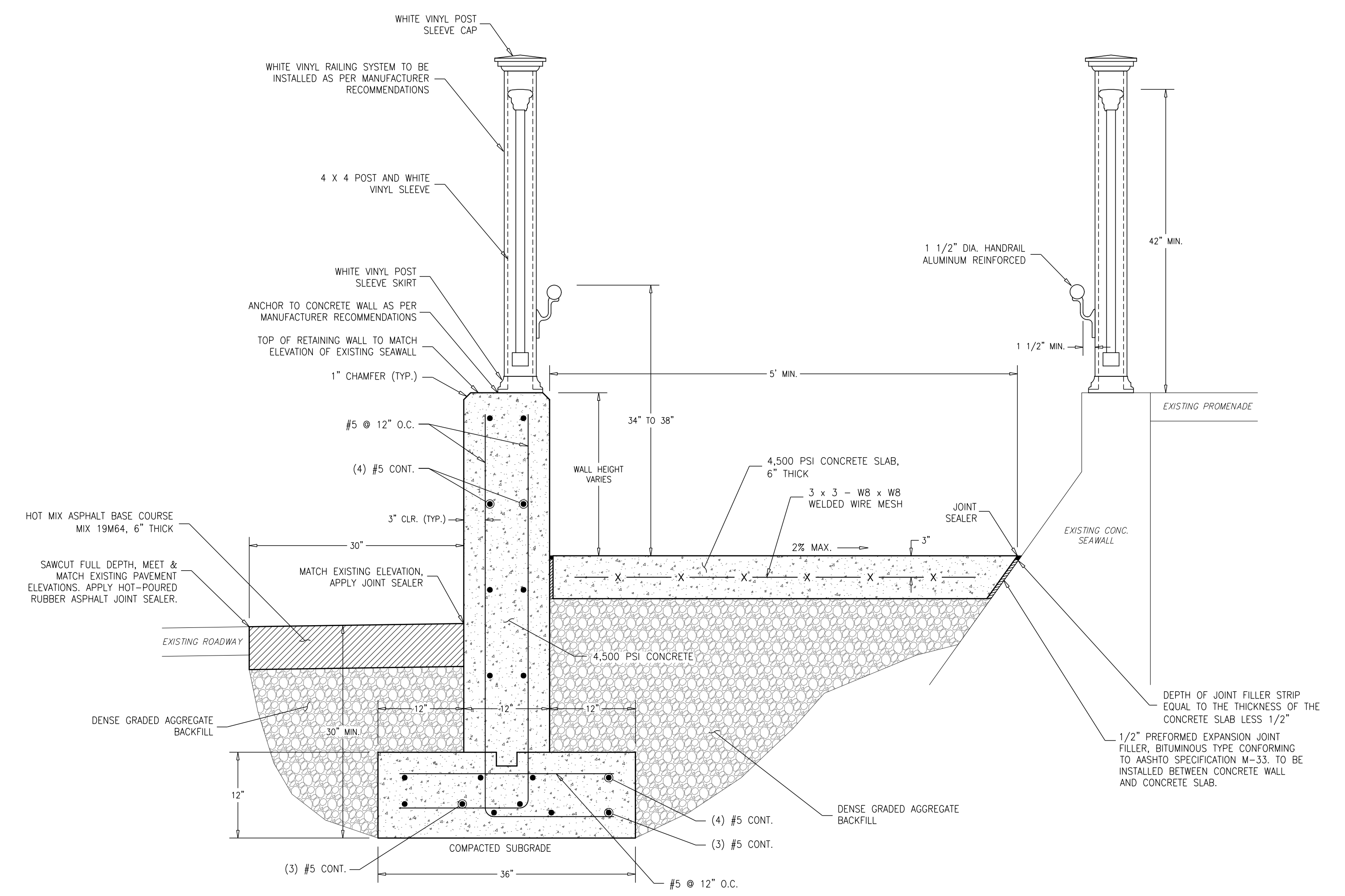
NOTES:  
1. PAYMENT FOR PAY ITEM "PROPOSED ADA ACCESS RAMP AT FIRST AVENUE" SHALL INCLUDE SAWCUTTING, EXCAVATION, DEMOLITION, DGA BACKFILL, COMPACTION, CONCRETE SLAB, CONCRETE RETAINING WALL, REINFORCEMENT, JOINT MATERIAL, VINYL RAILING SYSTEM AND HANDRAIL, ASPHALT RESTORATION AND ALL ELSE NECESSARY FOR A COMPLETE INSTALLATION UNLESS OTHERWISE NOTED.

**PLAN VIEW - FIRST AVENUE**

SCALE : 1"=5'

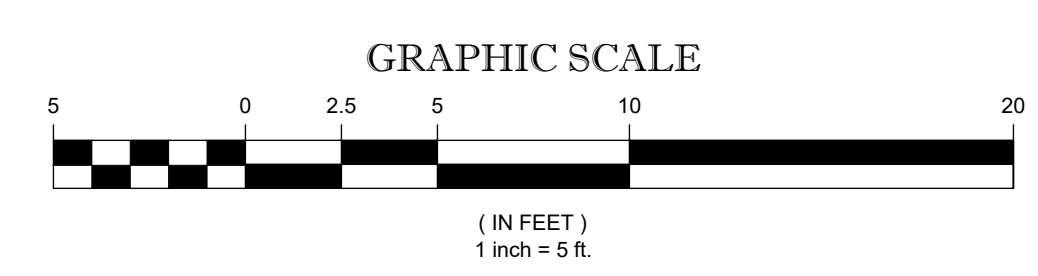
**LEGEND**

- (10.00) = PROPOSED SPOT ELEVATION
- (TWB.0) = PROPOSED TOP OF WALL
- [Hatched Box] = BEACH AVENUE ASPHALT PAVEMENT RESTORATION LIMITS (SEE TYPICAL SECTION "A")



**TYPICAL SECTION "A"**

N.T.S.



ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
11	DETECTABLE WARNING SURFACES	S.Y.	2	
19	PROPOSED ADA ACCESS RAMP AT SECOND AVENUE	LUMP SUM	LUMP SUM	
20	PROPOSED ADA ACCESS RAMP AT FIRST AVENUE	LUMP SUM	LUMP SUM	

NO.	DATE	APPR.	REVISION

COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.

**PROPOSED ADA RAMP PLAN & SECTION**

**DEBLASIO & ASSOCIATES**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
MWA	MWA	MAD	01/21/2025

*Marc DeBlasio* 1/21/2025  
**MARC A. DEBLASIO, P.E.** DATE

New Jersey License No. 41599

Scale:	Sheet No.:	Total:
AS NOTED	29	37

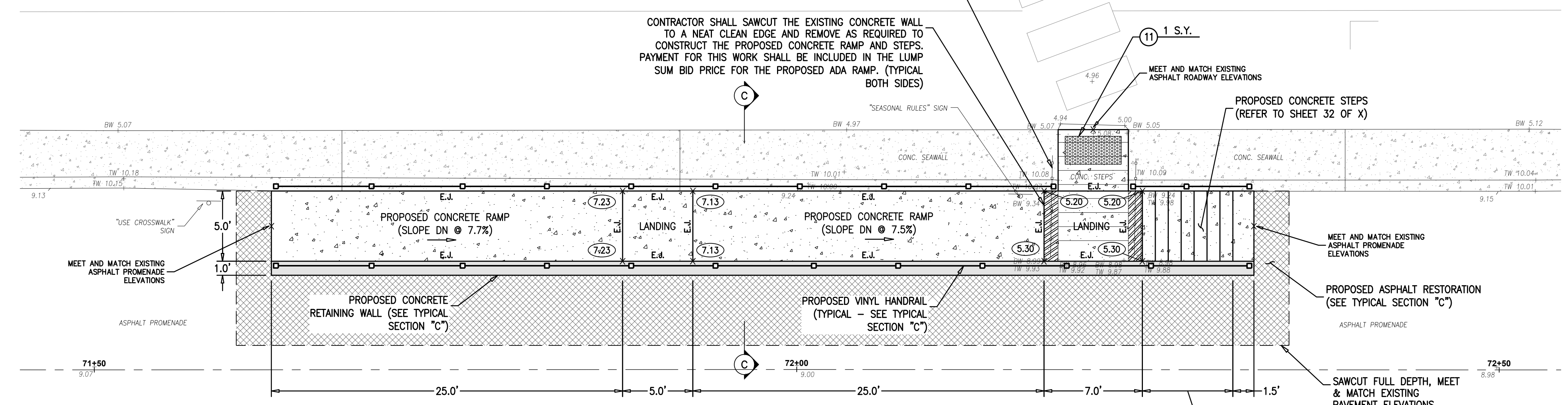


ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
11	DETECTABLE WARNING SURFACES	S.Y.	1	
21	PROPOSED ADA ACCESS RAMP AT QUEEN STREET	LUMP SUM	LUMP SUM	

**BEACH AVENUE**  
CAPE MAY COUNTY ROAD 604  
(72' R.O.W.)

CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING RAILING. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR THE PROPOSED ADA RAMP.

CONTRACTOR SHALL SAWCUT THE EXISTING CONCRETE WALL TO A NEAT CLEAN EDGE AND REMOVE AS REQUIRED TO CONSTRUCT THE PROPOSED CONCRETE RAMP AND STEPS. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR THE PROPOSED ADA RAMP. (TYPICAL BOTH SIDES)

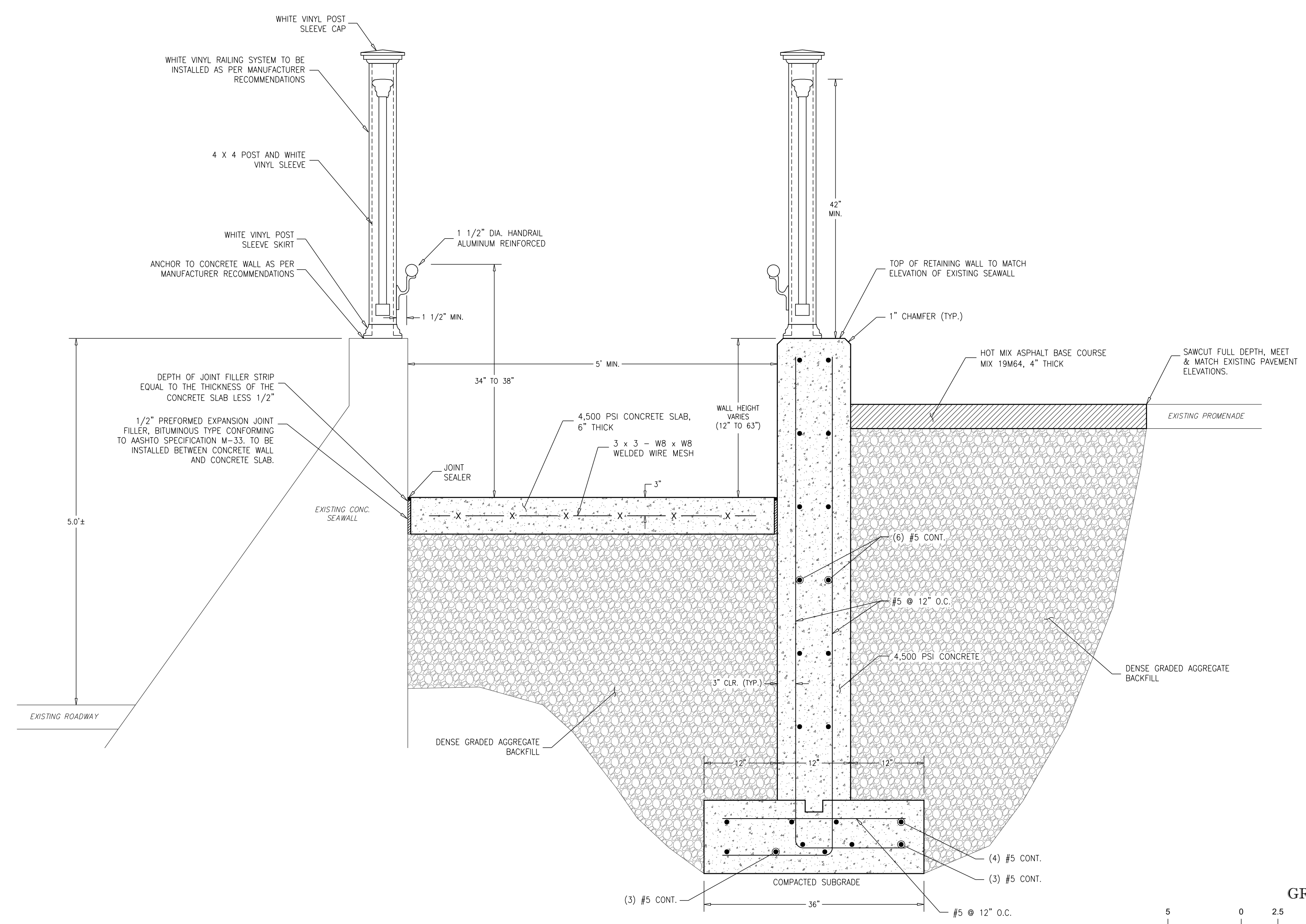


**NOTES:**  
1. PAYMENT FOR PAY ITEM "PROPOSED ADA ACCESS RAMP AT QUEEN STREET" SHALL INCLUDE SAWCUTTING, REMOVAL AND DISPOSAL OF EXISTING CONCRETE WALL AND STEPS, DEMOLITION, EXCAVATION, COMPACTION, DGA BACKFILL, CONCRETE SLAB, CONCRETE RETAINING WALL, CONCRETE STEPS, REINFORCEMENT, JOINT MATERIAL, VINYL RAILING SYSTEM AND HANDRAIL, ASPHALT RESTORATION AND ALL ELSE NECESSARY FOR A COMPLETE INSTALLATION UNLESS OTHERWISE NOTED.

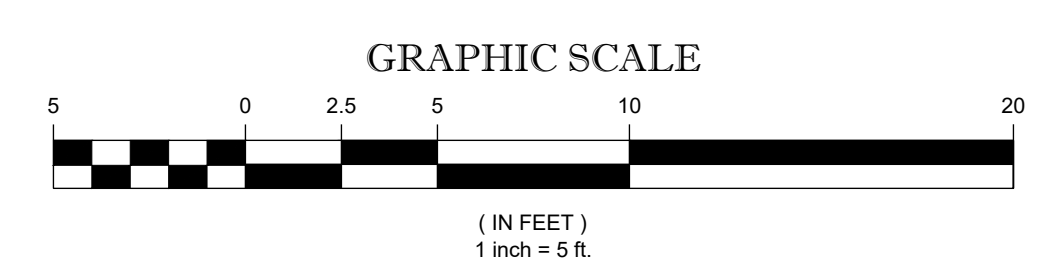
**PLAN VIEW - QUEEN STREET**  
SCALE : 1"=5'

**LEGEND**

- (10.00) = PROPOSED SPOT ELEVATION
- (TW8.0) = PROPOSED TOP OF WALL
- [Hatched Pattern] = BEACH AVENUE ASPHALT PAVEMENT
- [Cross-hatched Pattern] = RESTORATION LIMITS (SEE TYPICAL SECTION "C")



**TYPICAL SECTION VIEW "C"**  
N.T.S.



**PROPOSED ADA RAMP PLAN & SECTION**

**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
MWA	MWA	MAD	01/21/2025

*Marc A. DeBlasio* 1/21/2025  
**MARC A. DEBLASIO, P.E.** DATE  
New Jersey License No. 41599  
Scale: AS NOTED Job No.: 2024-C-023 Sheet No.: 30 Total: 37

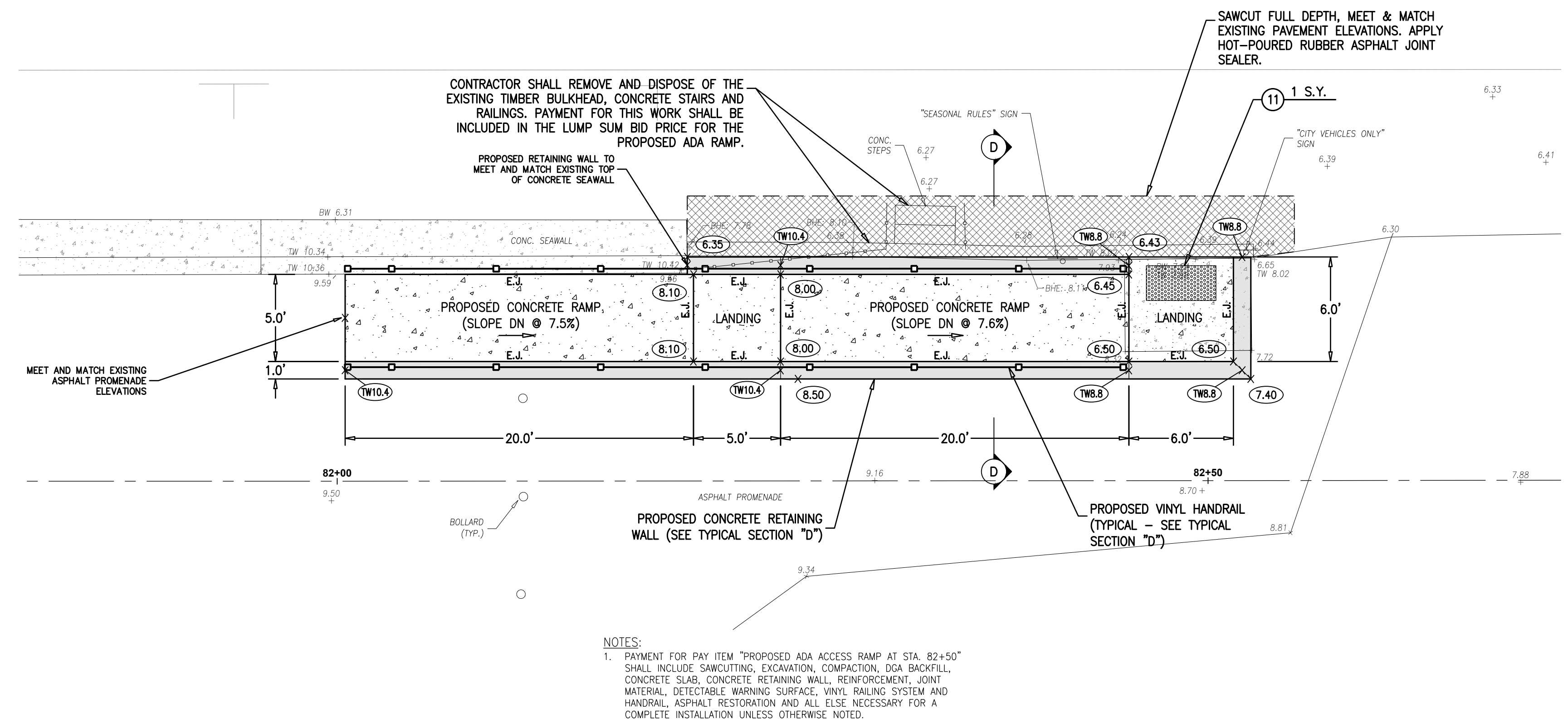
NO.	DATE	APPR.	REVISION

COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.



ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
11	DETECTABLE WARNING SURFACES	S.Y.	1	
22	PROPOSED ADA ACCESS RAMP AT STA. 82+50	LUMP SUM	LUMP SUM	

**BEACH AVENUE**  
CAPE MAY COUNTY ROAD 604  
(102' R.O.W.)



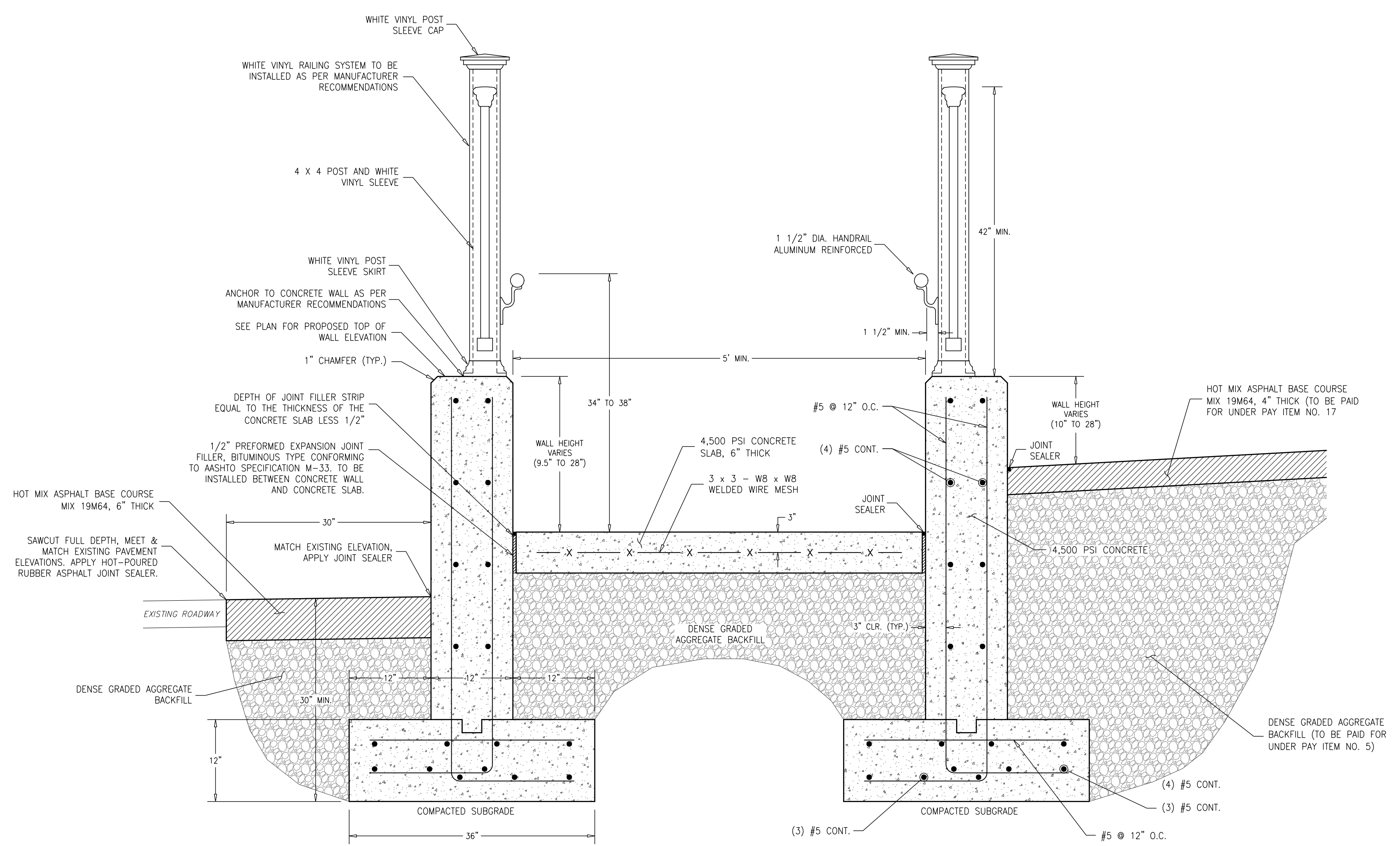
**PLAN VIEW AT STA. 82+50**

SCALE : 1"=5'

**NOTES:**  
1. PAYMENT FOR PAY ITEM "PROPOSED ADA ACCESS RAMP AT STA. 82+50" SHALL INCLUDE SAWCUTTING, EXCAVATION, COMPACTION, DCA BACKFILL, CONCRETE SLAB, CONCRETE RETAINING WALL, REINFORCEMENT, JOINT MATERIAL, DETECTABLE WARNING SURFACE, VINYL RAILING SYSTEM AND HANDRAIL, ASPHALT RESTORATION AND ALL ELSE NECESSARY FOR A COMPLETE INSTALLATION UNLESS OTHERWISE NOTED.

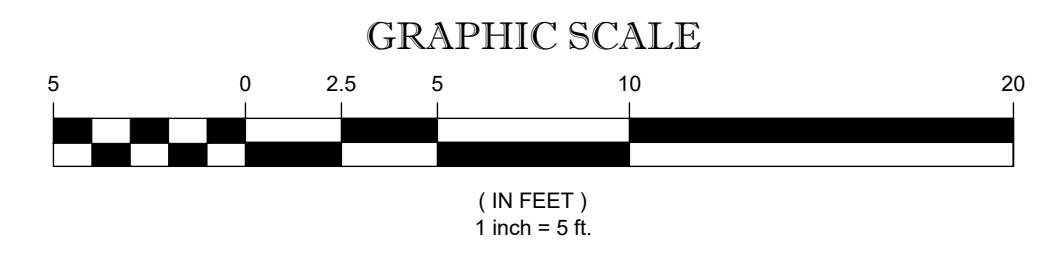
**LEGEND**

- 10.00 = PROPOSED SPOT ELEVATION
- TW8.0 = PROPOSED TOP OF WALL
- = BEACH AVENUE ASPHALT PAVEMENT
- = RESTORATION LIMITS (SEE TYPICAL SECTION "D")



**TYPICAL SECTION "D"**

N.T.S.



**PROPOSED  
ADA RAMP PLAN  
& SECTION**

**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE  
IMPROVEMENTS (PHASE 1)  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY**

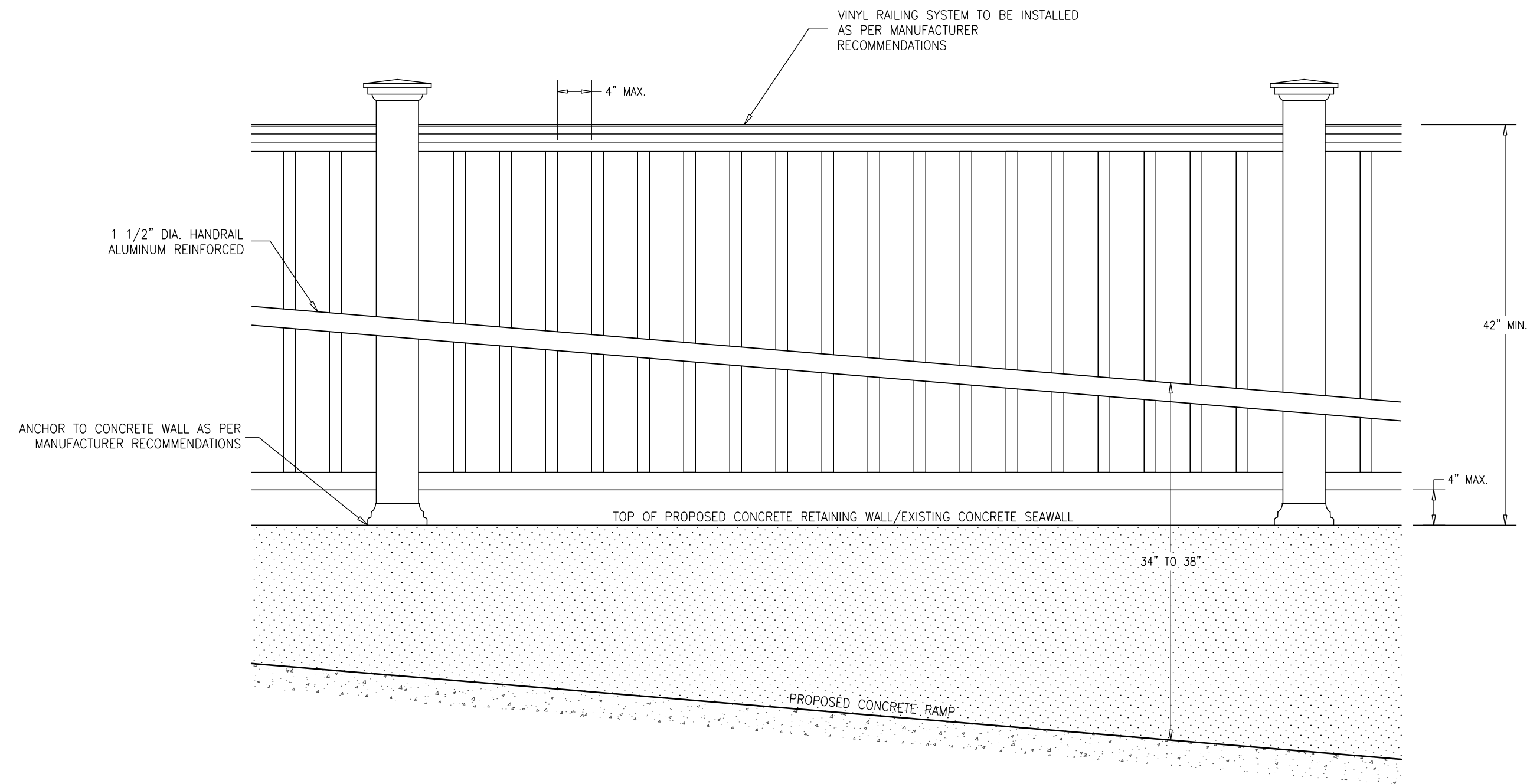
Design:	Drawn:	Check:	Date:
MWA	MWA	MAD	01/21/2025

*Marc A. DeBlasio* 1/21/2025  
**MARC A. DEBLASIO, P.E.** DATE  
New Jersey License No. 41599

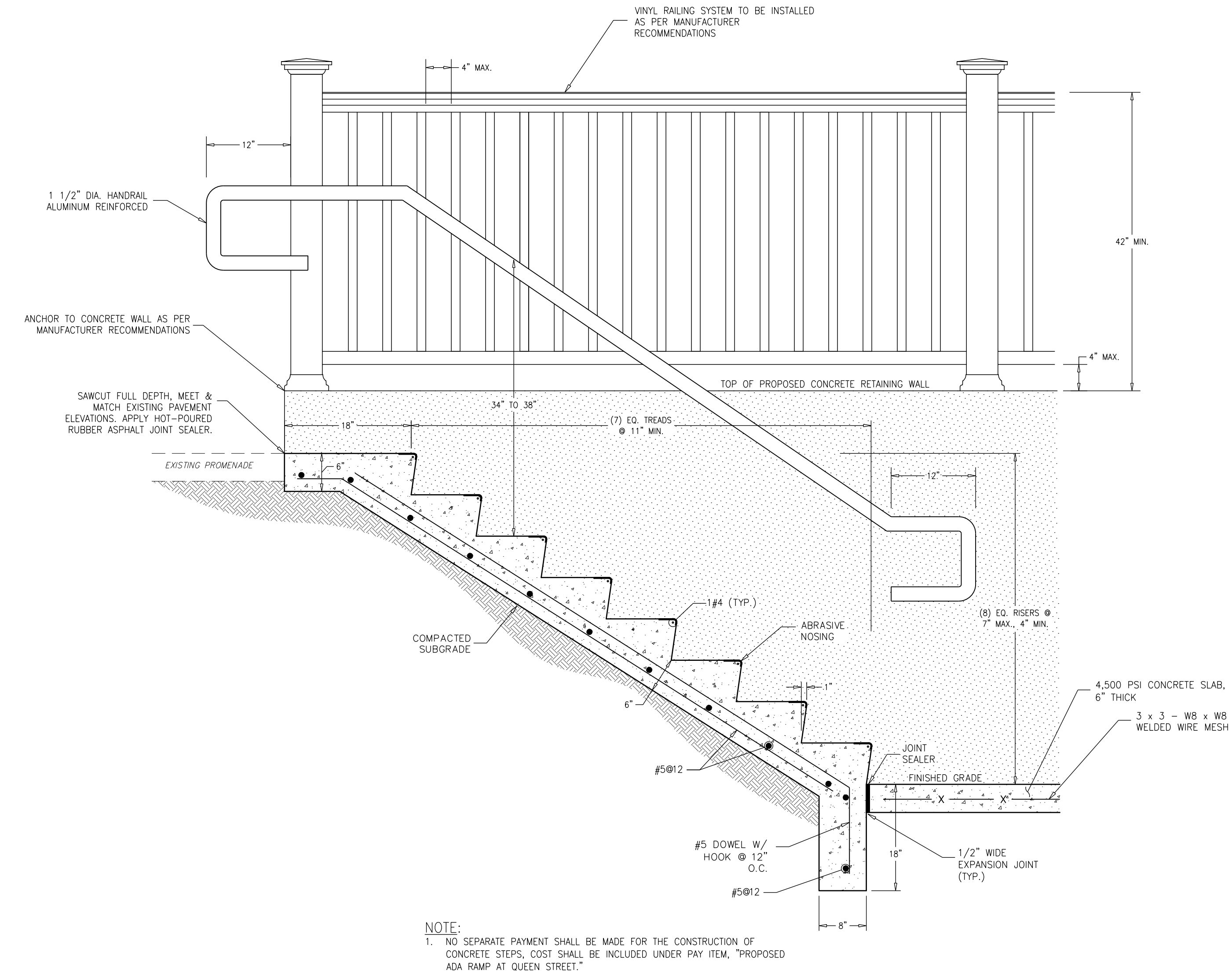
NO.	DATE	APPR.	REVISION

COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.

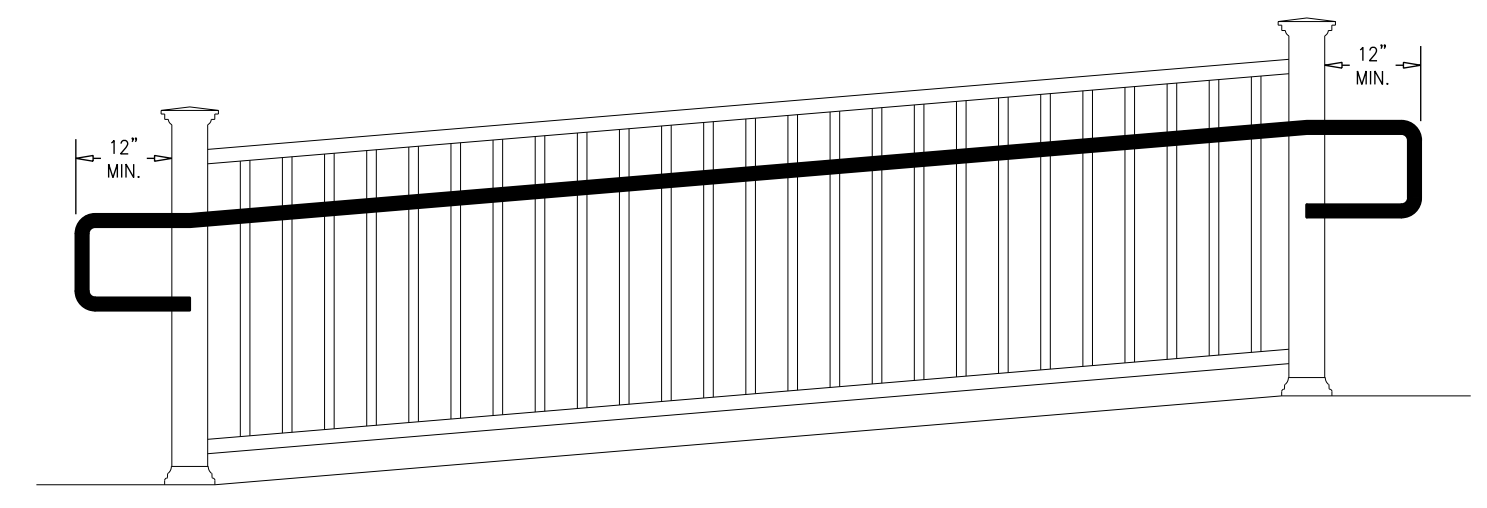




**TYPICAL RAMP ELEVATION VIEW**  
N.T.S.



**STEP SECTION AT QUEEN STREET**  
N.T.S.



**HANDRAIL EXTENSIONS AT RAMPS**  
N.T.S.

**NOTE:**  
1. NO SEPARATE PAYMENT SHALL BE MADE FOR THE CONSTRUCTION OF CONCRETE STEPS. COST SHALL BE INCLUDED UNDER PAY ITEM, "PROPOSED ADA RAMP AT QUEEN STREET."

NO.	DATE	APPR.	REVISION

COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.

**PROPOSED ADA RAMP DETAILS**

**DEBLASIO & ASSOCIATES**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24GA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

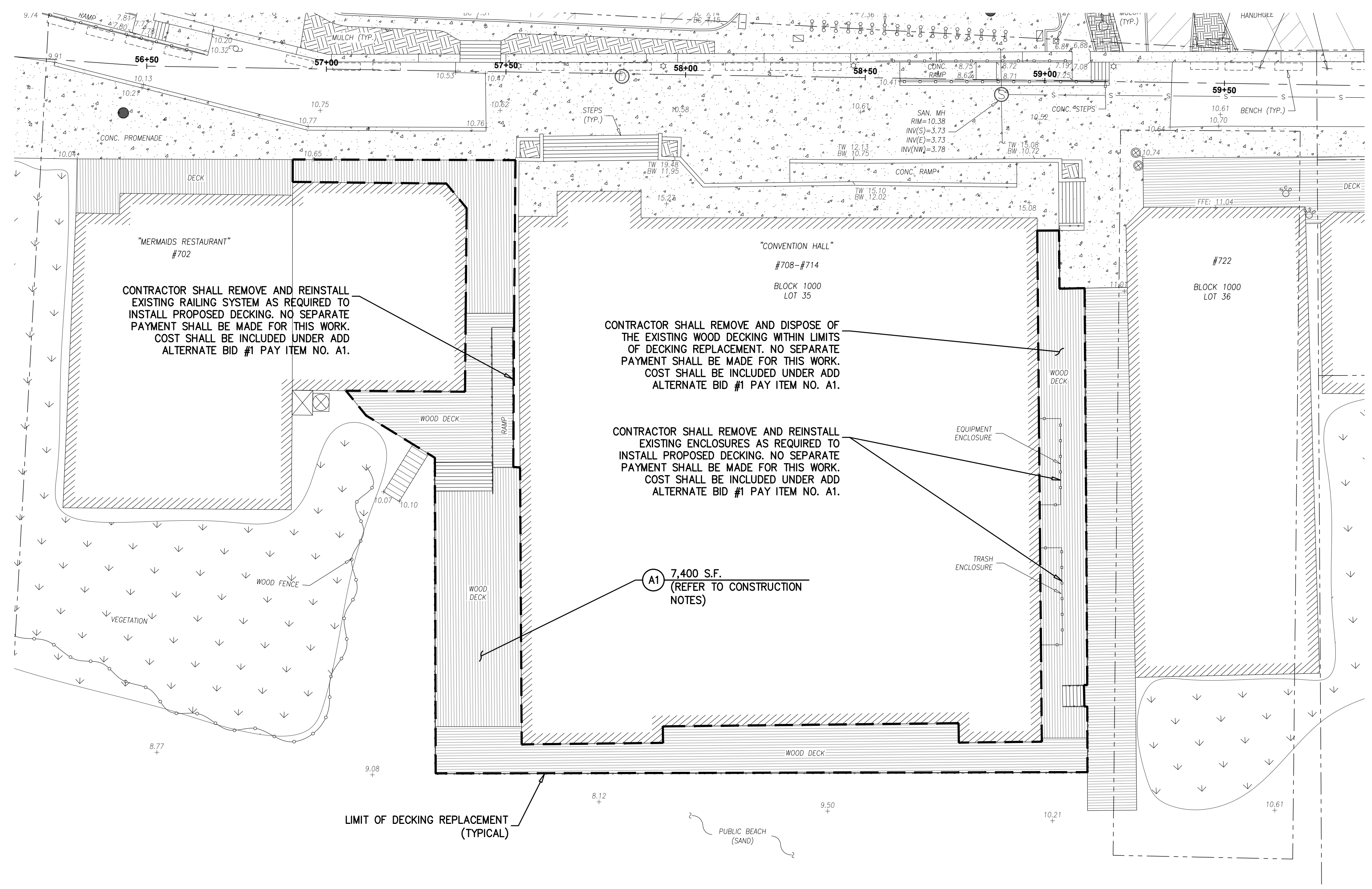
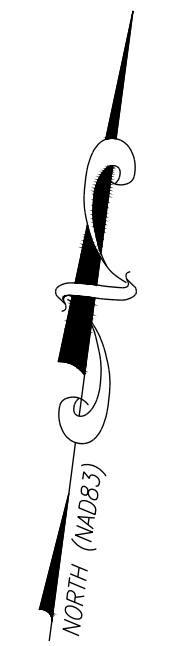
Design:	Drawn:	Check:	Date:
MWA	MWA	MAD	01/21/2025

*Marc A. DeBlasio* 1/21/2025  
MARC A. DEBLASIO, P.E. DATE  
New Jersey License No. 41599

Scale:	Sheet No.:	Total:
AS NOTED	32	37



ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
<b>ADD ALTERNATE BID NO. 1</b>				
A1	CUMARU DECKING & STAINLESS STEEL FASTENERS AT CONVENTION HALL, FURNISH AND INSTALL	S.F.	7,400	



**PLAN**  
SCALE : 1"=20'

- CONSTRUCTION NOTES:**
1. DECKING SHALL BE FASTENED TO EVERY CROSSING JOIST USING TWO(2) SCREW FASTENERS (TFP PRODECK BOARDWALK SCREW #18-8 X 3 1/2" LONG T302 STAINLESS STEEL SELF DRILLING OR APPROVED EQUAL). NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK. COST SHALL BE INCLUDED UNDER ADD ALTERNATE BID #1 PAY ITEM NO. A1.
  2. ALL DECKING SHALL BE SPACED 1/4" APART.
  3. DECKING PATTERN TO MATCH EXISTING.
  4. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING EXTERIOR TRIM MOLDING TO ALLOW FOR PROPER INSTALLATION OF PROPOSED DECKING AND NEW TRIM SHALL BE INSTALLED IN KIND. NEW TRIM SHALL BE 1 X 6 WHITE AZEK OR APPROVED EQUAL. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK. COST SHALL BE INCLUDED UNDER ADD ALTERNATE BID #1 PAY ITEM NO. A1.

**PROPOSED SURFACE IMPROVEMENTS (CONVENTION HALL)**

**DEBLASIO & ASSOCIATES**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

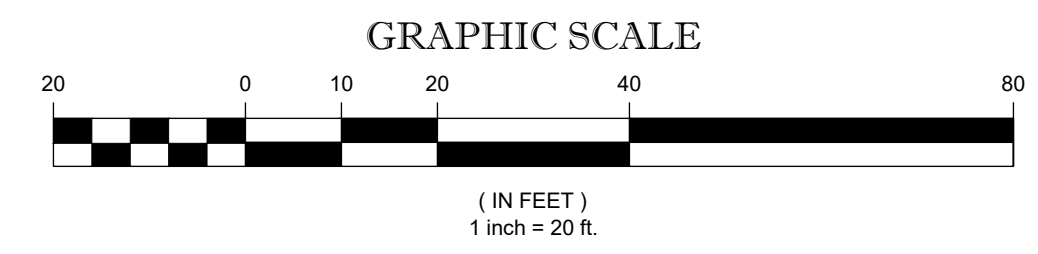
**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
MWA	MWA	MAD	01/21/2025

*Marc DeBlasio* 1/21/2025  
**MARC A. DEBLASIO, P.E.** DATE  
New Jersey License No. 41599

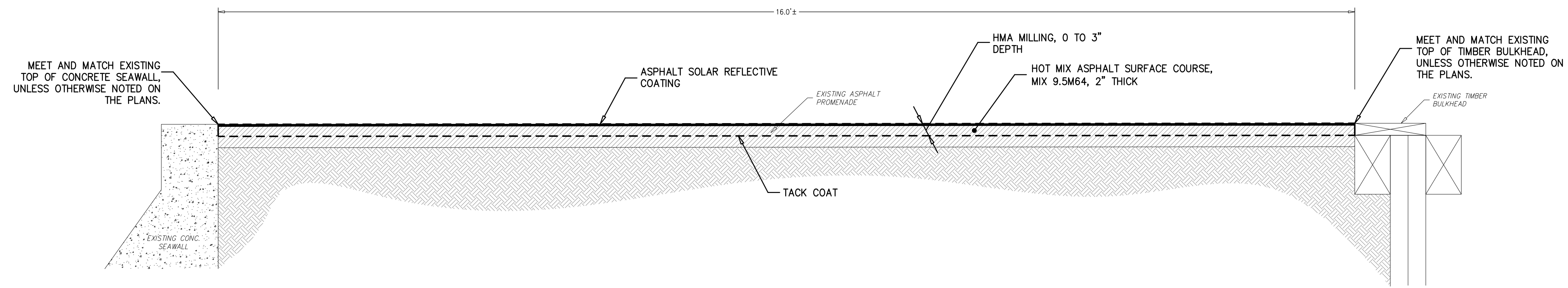
NO.	DATE	APPR.	REVISION

COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.

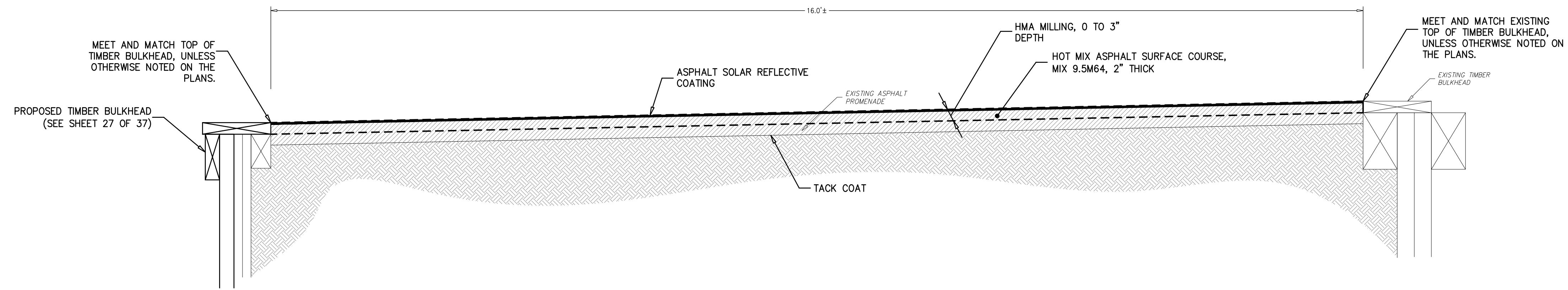


Scale:	As Noted	Sheet No.:	33	Total:	37
--------	----------	------------	----	--------	----

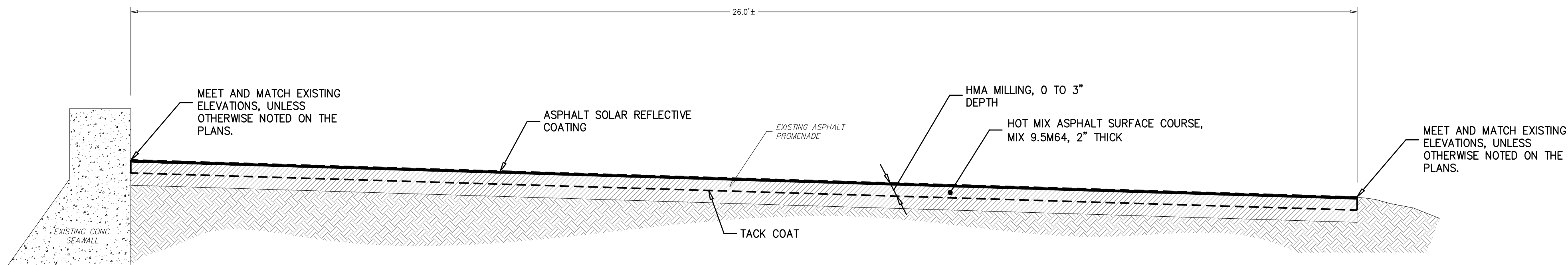




**TYPICAL SECTION**  
 (STA. 10+00 TO STA. 18+86 AND  
 STA. 29+11 TO STA. 45+63)  
 N.T.S.



**TYPICAL SECTION**  
 (STA. 18+86 TO STA. 29+11)  
 N.T.S.



**TYPICAL SECTION**  
 (STA. 62+00 TO END)  
 N.T.S.

**CONSTRUCTION  
 DETAILS**

**DEBLASIO &  
 ASSOCIATES**  
 ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
 WILDWOOD, NJ 08260  
 PHONE (609) 854-3311  
 FAX (609) 854-4323  
 WWW.DEBLASIOASSOC.COM  
 Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE  
 IMPROVEMENTS (PHASE 1)**  
 CITY OF CAPE MAY  
 CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
MWA	MWA	MAD	01/21/2025

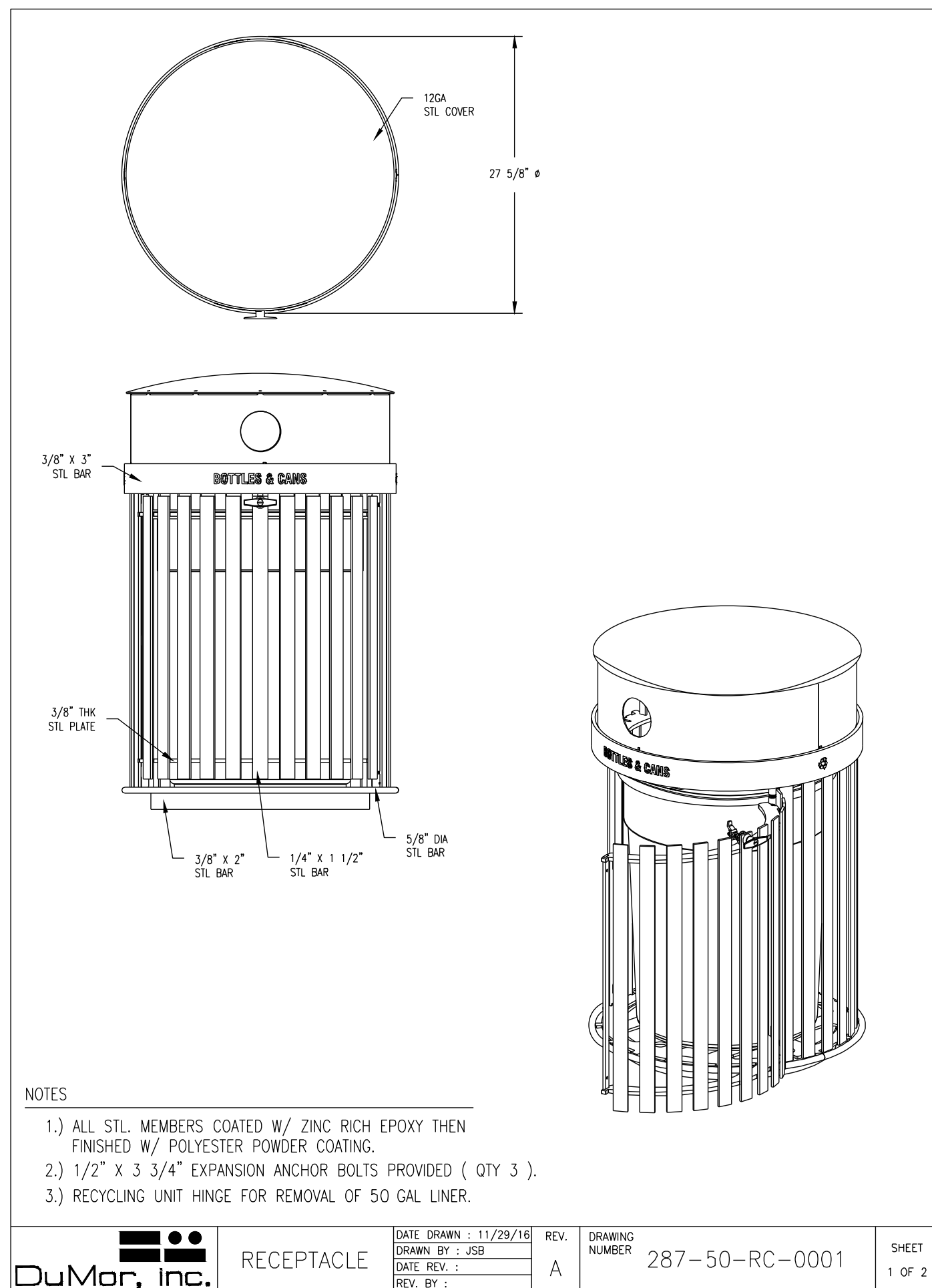
NO.	DATE	APPR.	REVISION

*Marc DeBlasio* 1/21/2025  
 DATE  
**MARC A. DEBLASIO, P.E.**  
 New Jersey License No. 41599

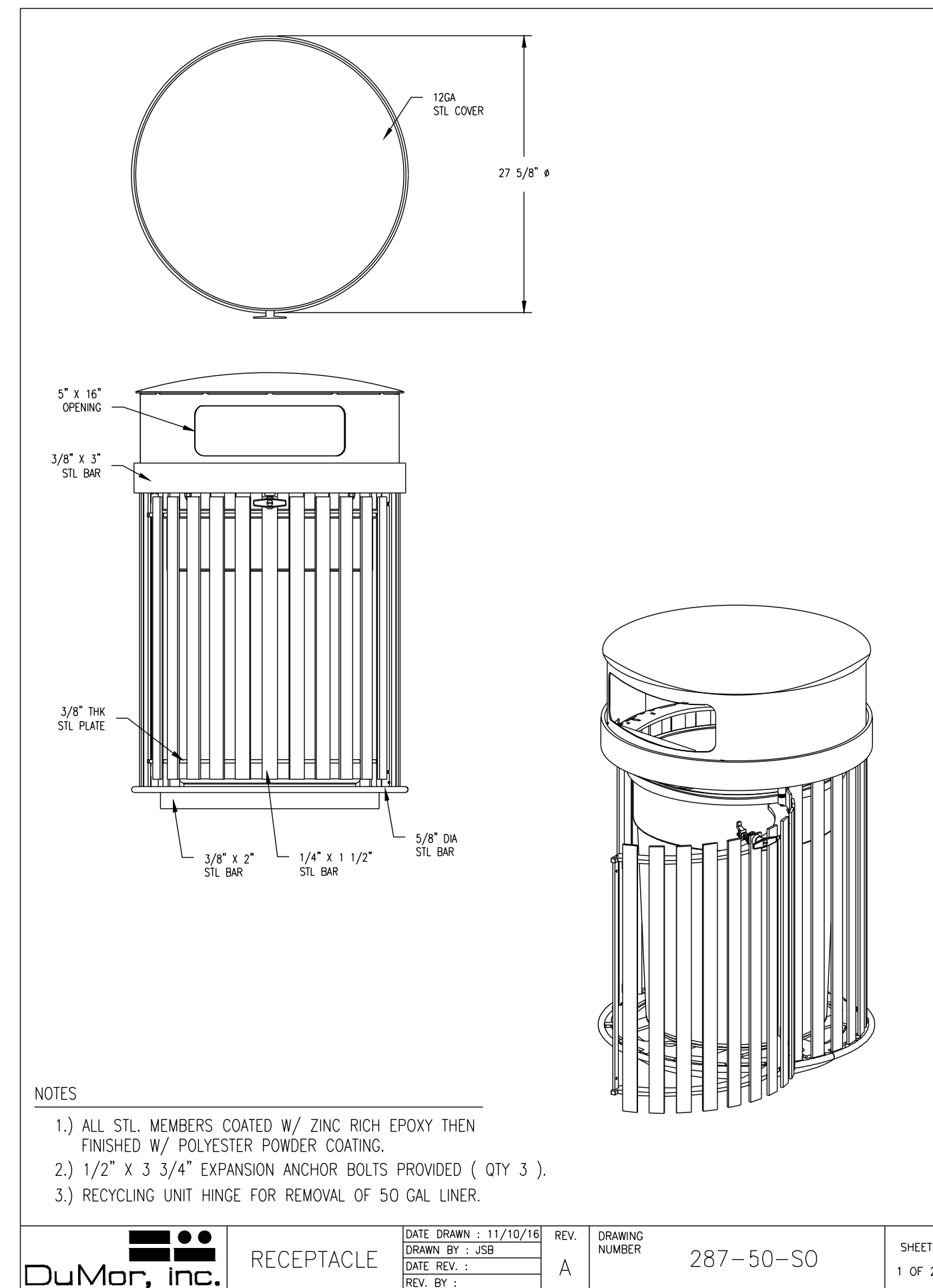
COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.

Scale:	Sheet No.:	Total:
AS NOTED	34	37

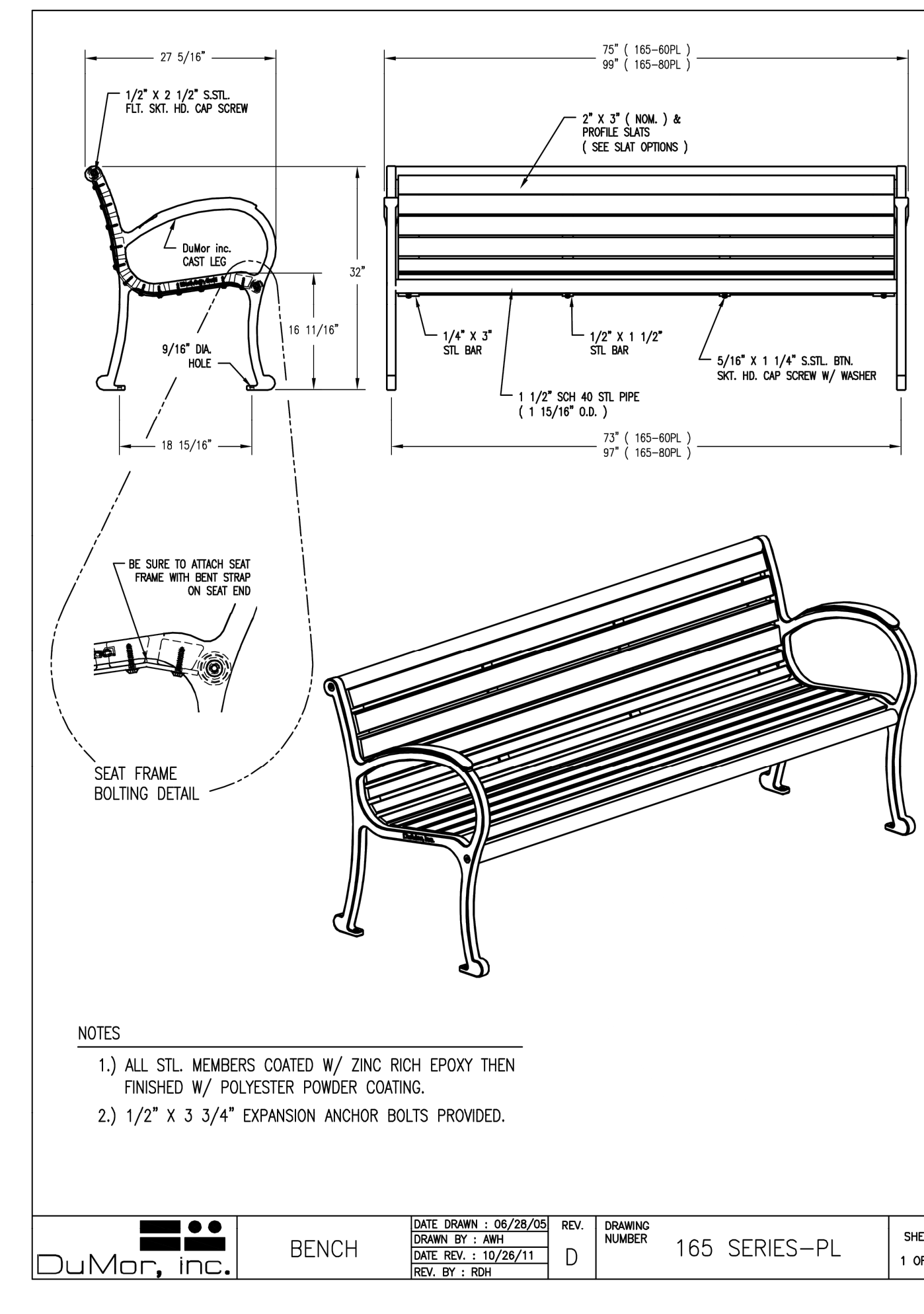




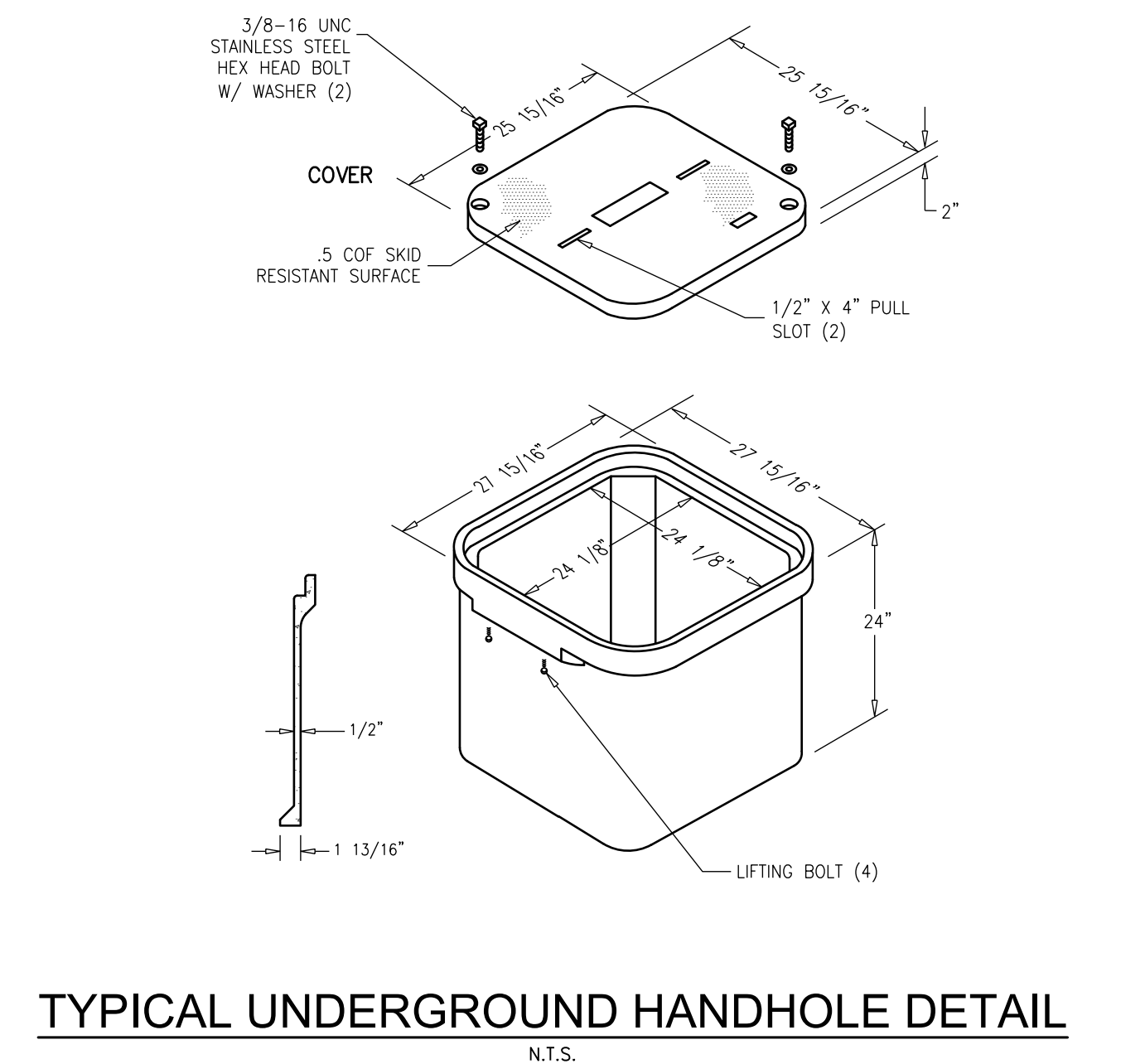
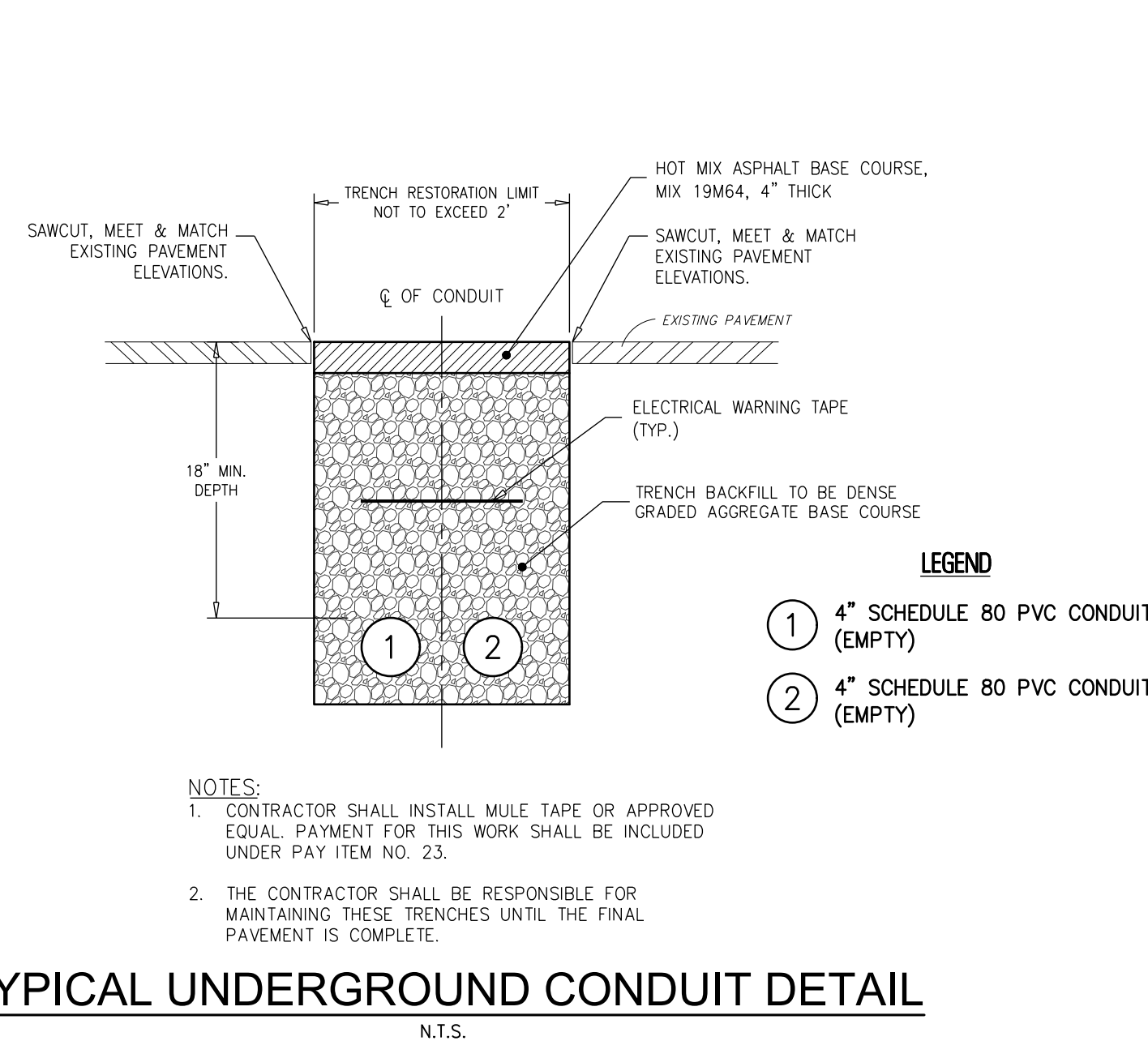
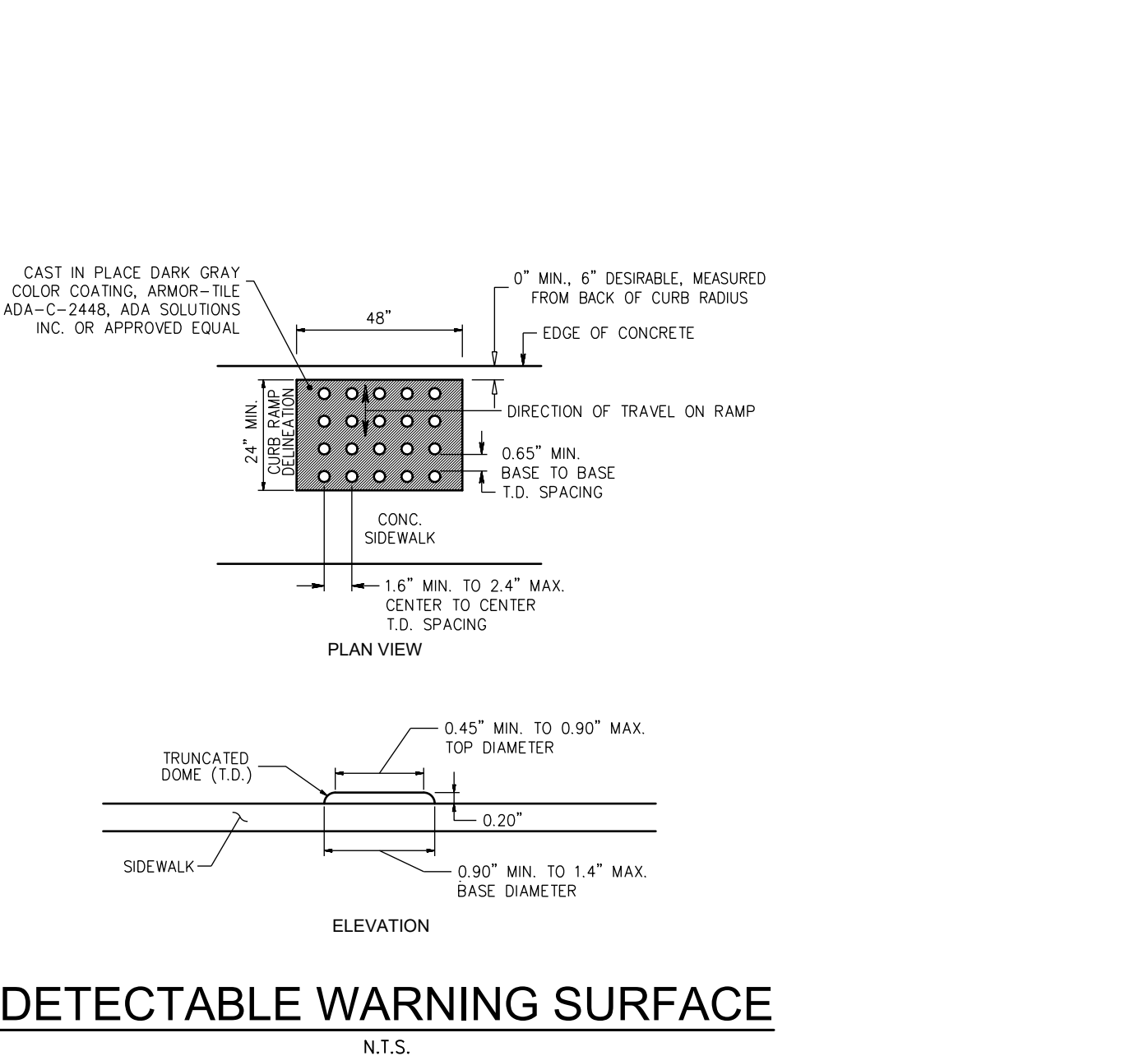
**RECYCLING RECEPTACLE DETAIL**  
N.T.S.



**TRASH RECEPTACLE DETAIL**  
N.T.S.



**BENCH DETAIL**  
N.T.S.



NO.	DATE	APPR.	REVISION

COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.

**CONSTRUCTION DETAILS**

**DEBLASIO & ASSOCIATES**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
MWA	MWA	MAD	01/21/2025

*Marc DeBlasio* 1/21/2025  
DATE  
MARC A. DEBLASIO, P.E.  
New Jersey License No. 41599

Scale:	AS NOTED	Sheet No.:	35	Total:	37
--------	----------	------------	----	--------	----



**SOIL EROSION AND SEDIMENT CONTROL NOTES**

- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED IN ACCORDANCE WITH THE NJ STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL, AND WILL BE INSTALLED IN PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN TEN (10) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PROWERS TEMPORARY SEEDING OF THE DISTURBED AREA WILL BE MULCHED WITH SALT HAY OR EQUIVALENT AND BOUND IN ACCORDANCE WITH THE NJ STANDARDS (I.E. PEG AND TWIN, MULCH NETTING, OR LIQUID MULCH BINDER).
- IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF 2 TONS PER ACRE, ACCORDING TO THE NJ STANDARDS.
- STABILIZATION SPECIFICATIONS:**
  - TEMPORARY SEEDING AND MULCHING:**
    - LIME - 90 LBS/1,000 SF GROUND LIME/STONE; FERTILIZER - 14 LBS/1,000 SF; 10-20-10 OR EQUIVALENT WORKED INTO SOIL A MINIMUM OF 4"
    - SEED - PERENNIAL RYEGRASS 100 LBS/ACRE OR OTHER APPROVED SEEDS; PLANT BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1.
    - MULCH - SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 70 TO 90 LBS/1,000 SF. TO BE APPLIED ACCORDING TO THE NJ STANDARDS. MULCH SHALL BE SECURED BY APPROVED METHODS (I.E. PEG AND TWIN, MULCH NETTING, OR LIQUID MULCH BINDER).
  - PERMANENT SEEDING AND MULCHING:**
    - LIME - 90 LBS/1,000 SF GROUND LIME/STONE; FERTILIZER - 14 LBS/1,000 SF; 10-20-10 OR EQUIVALENT WORKED INTO SOIL A MINIMUM OF 4"
    - SEED - PERENNIAL RYEGRASS 40 LBS/ACRE OR OTHER APPROVED SEEDS; PLANT BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1.
    - MULCH - SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 70 TO 90 LBS/1,000 SF. TO BE APPLIED ACCORDING TO THE NJ STANDARDS. MULCH SHALL BE SECURED BY APPROVED METHODS (I.E. PEG AND TWIN, MULCH NETTING, OR LIQUID MULCH BINDER).
- TEMPORARY BERMS ARE TO BE INSTALLED ON ALL CLEARED ROADWAYS AND EASEMENT AREAS IN ACCORDANCE WITH SECTION 4.21 OF THE NJ STANDARDS.
- THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM-WATER RUN-OFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
- ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS.
- STOCKPILES ARE NOT TO BE LOCATED WITHIN 50' OF A FLOODPLAIN, SLOPE, ROADWAY, OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES SHOULD BE PROTECTED BY A HAY BALE BARRIER OR SEDIMENT BENCH.
- A CRUSHED STONE, VEHICLE WHEEL-CLEANING BLANKET WILL BE INSTALLED WHEREVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. SAID BLANKET WILL BE COMPOSED OF 2 1/2" CRUSHED STONE, 6" THICK, WILL BE AT LEAST 30' X 100' AND SHOULD BE UNDERLAIN WITH A SUITABLE SYNTHETIC SEDIMENT FILTER FABRIC AND MAINTAINED.
- MAXIMUM SIDE SLOPES OF ALL EXPOSED SURFACES SHALL NOT EXCEED 3:1 UNLESS OTHERWISE APPROVED BY THE DISTRICT.
- ALL DRIVEWAYS MUST BE STABILIZED WITH 2 1/2" CRUSHED STONE OR SUBBASE PRIOR TO INDIVIDUAL LOT CONSTRUCTION.
- PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
- ALL CATCH BASIN INLETS WILL BE PROTECTED WITH A CRUSHED STONE OR FABRIC FILTER (FILTER DETAILS APPEAR ON THE PLAN).
- ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
- ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER AREA. THE SEDIMENT FILTER SHOULD BE COMPOSED OF A SUITABLE SEDIMENT FILTER FABRIC (SEE DETAIL).
- THE CAPE/ATLANTIC SOIL CONSERVATION DISTRICT MUST BE NOTIFIED, IN WRITING, AT LEAST 48 HOURS PRIOR TO ANY LAND DISTURBANCE.
- THE CAPE/ATLANTIC SOIL CONSERVATION DISTRICT MAY REQUEST ADDITIONAL MEASURES TO MINIMIZE ON OR OFF-SITE EROSION PROBLEMS DURING CONSTRUCTION.

**TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION**

- SITE PREPARATION**
  - GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING.
  - INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS.
- SEEDBED PREPARATION**
  - APPLY LIME/STONE AND FERTILIZER. FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-20-10 OR EQUIVALENT. APPLY LIME/STONE EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDES) AS FOLLOWS:

SOIL TEXTURE	TONS/ACRE	LBS./1000 SQ. FT.
CLAY, CLAY LOAM, AND HIGH ORGANIC SOIL	4	180
SANDY LOAM, LOAM, SILT LOAM	3	135
LOAMY SAND, SAND	2	90

    - PULVERIZED DOLOMITIC LIME/STONE IS PREFERRED FOR MOST SOILS SOUTH OF THE NEW BRUNSWICK-TRENTON LINE.
  - WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRING TOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM SEEDBED IS PREPARED.
  - INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED AS ABOVE.
  - SOILS HIGH ON SULFIDES OR HAVING A pH OF 4 OR LESS SHOULD BE MULCHED ONLY.
- SEEDING**
  - SEE PERMANENT SEED MIXTURE FOR SPECIES AND APPLICATION RATES.
  - APPLY SEED UNIFORMLY BY HAND, CYCLONE(CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. MULCH SHALL NOT BE INCLUDED IN A HYDRO-SEEDER TANK WITH SEED. SEED SHALL BE INCORPORATED INTO THE SOIL BY RAKING OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COARSE TEXTURED SOIL.
  - AFTER SEEDING, FIRING THE SOIL SHALL BE PERFORMED WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT, RESTORE CAPILLARITY, AND IMPROVE SEEDING EMERGENCE.
- MULCHING**

MULCHING IS REQUIRED ON ALL SEEDING.

  - MULCH MATERIALS SHOULD BE UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, OR SALT HAY TO BE APPLIED AT THE RATE OF 1 1/2 TO 2 TONS PER ACRE (70 TO 90 POUNDS PER 1,000 SQUARE FEET), EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER (TACKIFYING OR ADHESIVE AGENT), THE RATE OF APPLICATION MUST BE DOUBLE THE LOWER RATE. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MATERIAL.
  - SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 75% TO 95% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90 POUNDS WITHIN EACH SECTION.
  - MULCH ANCHORING SHOULD BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS, DEPENDING UPON THE SIZE OF THE AREA, STEEPNESS OF SLOPES, AND COSTS:
    - PEG AND TWIN- DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES OF THE SOIL SURFACE EVERY 4 FEET IN ALL DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER APPLYING MULCH. SECURE MULCH TO SOIL SURFACE BY STRETCHING TWIN BETWEEN PEGS IN A CRISSCROSS AND SQUARE PATTERN. SECURE TWIN AROUND EACH PEG WITH TWO OR MORE ROUND TURNS.
    - MULCH NETTING- STAPLE PAPER, JUTE, COTTON, OR PLASTIC NETTING TO THE SOIL SURFACE. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED.
    - CRIMPER(MULCH ANCHORING TOOL)- A TRACTOR-DRAWN IMPLEMENT, SOMEWHAT LIKE A DISC HARROW, ESPECIALLY DESIGNED TO PUSH OR CUT 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 TRAVERSABLE BY A TRACTOR, WHICH MUST OPERATE ON THE CONTOUR OF SLOPES. STRAW MULCH RATE MUST BE 3 TONS PER ACRE. NO TACKIFYING OR ADHESIVE AGENT IS REQUIRED.
  - WOOD-FIBER OR PAPER-FIBER MULCH AT THE RATE OF 1,500 POUNDS PER ACRE MAY BE APPLIED BY A HYDROSEEDER. USE IS LIMITED TO FLATTER SLOPES AND DURING OPTIMUM SEEDING PERIODS IN SPRING AND FALL.

**TEMPORARY SEEDING MIXTURE**

THIS SEEDING MIXTURE IS COMPOSED OF A SINGLE SPECIES WHICH GERMINATES QUICKLY IN ORDER TO REDUCE SOIL EROSION UNTIL A PERMANENT VEGETATIVE COVER CAN BE COVER ESTABLISHED. A MIXTURE OF EQUAL QUALITY MAY BE SUBSTITUTED IF APPROVED BY OUR OFFICE.

%	COMMON NAME	BOTANICAL NAME
100%	PERENNIAL RYEGRASS	LOLIUM PERENNE

THE MINIMUM APPLICATION RATE FOR THIS SEEDING MIXTURE SHALL BE FOUR (4) POUNDS/1000 SQUARE FEET OR 160 POUNDS/ACRE.

THE OPTIMAL SEEDING DATES FOR PERENNIAL RYEGRASS FOR CAPE-ATLANTIC REGION ARE 2/15 - 4/30 AND 8/15 - 10/30. SUMMER SEEDING SHALL BE PERFORMED ONLY IF ADEQUATE IRRIGATION IS PROVIDED TO ENSURE SUCCESSFUL GERMINATION.

**TEMPORARY SEEDING MIXTURE**

THIS SEEDING MIXTURE IS COMPOSED OF A SINGLE SPECIES WHICH GERMINATES QUICKLY IN ORDER TO REDUCE SOIL EROSION UNTIL A PERMANENT VEGETATIVE COVER CAN BE COVER ESTABLISHED. A MIXTURE OF EQUAL QUALITY MAY BE SUBSTITUTED IF APPROVED BY OUR OFFICE.

%	COMMON NAME	BOTANICAL NAME
100%	PERENNIAL RYEGRASS	LOLIUM PERENNE

THE MINIMUM APPLICATION RATE FOR THIS SEEDING MIXTURE SHALL BE FOUR (4) POUNDS/1000 SQUARE FEET OR 160 POUNDS/ACRE.

THE OPTIMAL SEEDING DATES FOR PERENNIAL RYEGRASS FOR CAPE-ATLANTIC REGION ARE 2/15 - 4/30 AND 8/15 - 10/30. SUMMER SEEDING SHALL BE PERFORMED ONLY IF ADEQUATE IRRIGATION IS PROVIDED TO ENSURE SUCCESSFUL GERMINATION.

**PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION**

- SITE PREPARATION**
  - GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MAINTENANCE.
  - INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS.
- SEEDBED PREPARATION**
  - APPLY LIME/STONE AND FERTILIZER. FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-20-10 OR EQUIVALENT. APPLY LIME/STONE EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDES) AS FOLLOWS:

SOIL TEXTURE	TONS/ACRE	LBS./1000 SQ. FT.
CLAY, CLAY LOAM, AND HIGH ORGANIC SOIL	4	180
SANDY LOAM, LOAM, SILT LOAM	3	135
LOAMY SAND, SAND	2	90

    - PULVERIZED DOLOMITIC LIME/STONE IS PREFERRED FOR MOST SOILS SOUTH OF THE NEW BRUNSWICK-TRENTON LINE.
  - WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRING TOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM SEEDBED IS PREPARED. SOIL BUT CLAY OR SILTY SOILS AND COARSE SANDS SHOULD BE ROLLED TO FIRM THE SEEDBED WHEREVER FEASIBLE.
  - REMOVE FROM THE SURFACE ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION. REMOVE ALL OTHER DEBRIS, SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLODS, LUMPS, OR OTHER UNSUITABLE MATERIAL.
  - INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED AND FIRMED AS ABOVE.
- SEEDING**
  - SEE PERMANENT SEED MIXTURE FOR SPECIES AND APPLICATION RATES.
  - APPLY SEED UNIFORMLY BY HAND, CYCLONE(CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. MULCH SHALL NOT BE INCLUDED IN A HYDRO-SEEDER TANK WITH SEED. EXCEPT FOR DRILLED, HYDROSEEDER OR CULTIPACKED SEEDING, SHALL BE INCORPORATED INTO THE SOIL 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.
  - AFTER SEEDING, FIRING THE SOIL SHALL BE PERFORMED WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT, RESTORE CAPILLARITY, AND IMPROVE SEEDING EMERGENCE.
- MULCHING**

MULCHING IS REQUIRED ON ALL SEEDING.

  - MULCH MATERIALS SHOULD BE UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, OR SALT HAY TO BE APPLIED AT THE RATE OF 1 1/2 TO 2 TONS PER ACRE (70 TO 90 POUNDS PER 1,000 SQUARE FEET), EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER (TACKIFYING OR ADHESIVE AGENT), THE RATE OF APPLICATION MUST BE DOUBLE THE LOWER RATE. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MATERIAL.
  - SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 75% TO 95% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90 POUNDS WITHIN EACH SECTION.
  - MULCH ANCHORING SHOULD BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS, DEPENDING UPON THE SIZE OF THE AREA, STEEPNESS OF SLOPES, AND COSTS:
    - PEG AND TWIN- DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES OF THE SOIL SURFACE EVERY 4 FEET IN ALL DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER APPLYING MULCH. SECURE MULCH TO SOIL SURFACE BY STRETCHING TWIN BETWEEN PEGS IN A CRISSCROSS AND SQUARE PATTERN. SECURE TWIN AROUND EACH PEG WITH TWO OR MORE ROUND TURNS.
    - MULCH NETTING- STAPLE PAPER, JUTE, COTTON, OR PLASTIC NETTING TO THE SOIL SURFACE. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED.
    - CRIMPER(MULCH ANCHORING TOOL)- A TRACTOR-DRAWN IMPLEMENT, SOMEWHAT LIKE A DISC HARROW, ESPECIALLY DESIGNED TO PUSH OR CUT 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 TRAVERSABLE BY A TRACTOR, WHICH MUST OPERATE ON THE CONTOUR OF SLOPES. STRAW MULCH RATE MUST BE 3 TONS PER ACRE. NO TACKIFYING OR ADHESIVE AGENT IS REQUIRED.
    - WOOD-FIBER OR PAPER-FIBER MULCH AT THE RATE OF 1,500 POUNDS PER ACRE MAY BE APPLIED BY A HYDROSEEDER. USE IS LIMITED TO FLATTER SLOPES AND DURING OPTIMUM SEEDING PERIODS IN SPRING AND FALL.
- IRRIGATION**
  - IF SOIL MOISTURE IS DEFICIENT, SUPPLY NEW SEEDINGS WITH ADEQUATE WATER (A MINIMUM OF 1/4 INCH TWICE A DAY UNTIL VEGETATION IS WELL ESTABLISHED). THIS IS ESPECIALLY TRUE WHEN SEEDINGS ARE PERFORMED IN ABNORMALLY DRY OR HOT WEATHER OR ON DROUGHTY SITES.
- TOP DRESSING \***
  - SPRING SEEDING WILL REQUIRE AN APPLICATION OF FERTILIZER SUCH AS 10-10-10 OR EQUIVALENT AT 400 POUNDS PER ACRE OR 10 POUNDS PER 1,000 SQUARE FEET BETWEEN SEPTEMBER 1 AND OCTOBER 15.
  - FALL SEEDING WILL REQUIRE THE ABOVE BETWEEN MARCH 15 AND MAY 1.
  - MIXTURES DOMINATED BY WEEPING LOVEGRASS OR LEGUMES MAY NOT NEED TOPDRESSING.
    - \* IF SLOW RELEASE NITROGEN (300 POUNDS 38-0-0 PER ACRE OR EQUIVALENT) IS USED IN ADDITION TO SUGGESTED FERTILIZER, THIS FOLLOW-UP OF TOP DRESSING IS NOT MANDATORY.

**PERMANENT SEEDING MIXTURE (DRY)**

THIS SEEDING MIXTURE IS COMPOSED OF DROUGHT-TOLERANT SPECIES WHICH CAN THRIVE WITH LOW MAINTENANCE. THE PROPRIETARY NAME OF THE MIXTURE IS RECLAIM CONSERVATION MIX-DRY FORMULA AS MANUFACTURED BY LOFTS, INC., BOUND BROOK, N.J. 08805, (800)526-3890. A MIXTURE OF EQUAL QUALITY MAY BE SUBSTITUTED IF APPROVED BY OUR OFFICE.

%	COMMON NAME	BOTANICAL NAME
50	CLEMFINE TALL FESCUE	FESTUCA ARUNDINACEA "CLEMFINE"
20	RELIANT HARD FESCUE	FESTUCA LONGIFOLIA "RELIANT"
10	JAMESTOWN CHEWINGS FESCUE	FESTUCA RUBRA VAR. COMMUTATA "JAMESTOWN"
10	PALMER PERENNIAL RYE	LOLIUM PERENNE "PALMER"
10	WHITE CLOVER	TRIFOLIUM REPENS
5	BLACKWELL SWITCHGRASS	Panicum VIRGATUM "BLACKWELL"

THE MINIMUM APPLICATION RATE FOR THIS SEEDING MIXTURE SHALL BE FOUR (4) POUNDS/1000 SQUARE FEET OR 175 POUNDS/ACRE.

THE OPTIMAL SEEDING DATES FOR MOST COOL SEASON GRASSES FOR CAPE-ATLANTIC REGION ARE 2/15 - 4/30 AND 8/15 - 10/30. SUMMER SEEDING SHALL BE PERFORMED ONLY IF ADEQUATE IRRIGATION IS PROVIDED TO ENSURE SUCCESSFUL GERMINATION.

**PERMANENT SEEDING MIXTURE (MOIST)**

THIS SEEDING MIXTURE IS COMPOSED OF MOISTURE-TOLERANT SPECIES WHICH CAN THRIVE WITH LOW MAINTENANCE. THE PROPRIETARY NAME OF THE MIXTURE IS RECLAIM CONSERVATION MIX-MOIST FORMULA AS MANUFACTURED BY LOFTS, INC., BOUND BROOK, N.J. 08805, (800)526-3890. A MIXTURE OF EQUAL QUALITY MAY BE SUBSTITUTED IF APPROVED BY OUR OFFICE.

%	COMMON NAME	BOTANICAL NAME
55	CLEMFINE TALL FESCUE	FESTUCA ARUNDINACEA "CLEMFINE"
15	NASSAU KENTUCKY BLUEGRASS	POA PRATENSIS "NASSAU"
10	PALMER PERENNIAL RYE	LOLIUM PERENNE "PALMER"
10	LASER POA TRIVIALIS	POA TRIVIALIS "LASER"
5	STREAKER REDTOP	AGROSTIS ALBA "STREAKER"
5	REED CANARY GRASS	PHALARIS ARUNDINACEA

THE MINIMUM APPLICATION RATE FOR THIS SEEDING MIXTURE SHALL BE FIVE (5) POUNDS/1000 SQUARE FEET OR 220 POUNDS/ACRE.

THE OPTIMAL SEEDING DATES FOR MOST COOL SEASON GRASSES FOR CAPE-ATLANTIC REGION ARE 2/15 - 4/30 AND 8/15 - 10/30. SUMMER SEEDING SHALL BE PERFORMED ONLY IF ADEQUATE IRRIGATION IS PROVIDED TO ENSURE SUCCESSFUL GERMINATION.

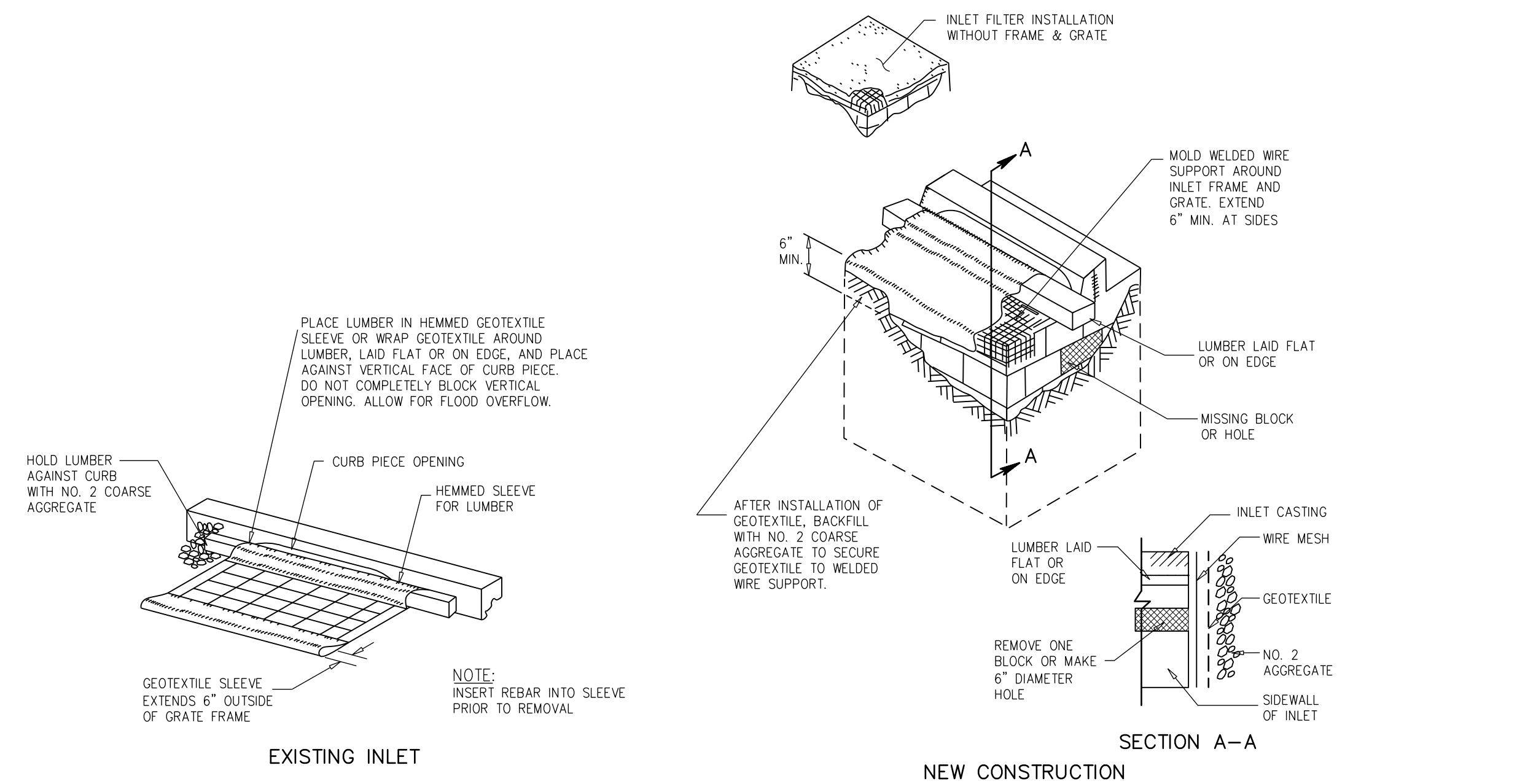
**SPECIAL NOTES**

- TEMPORARY STABILIZATION - ALL EXPOSED AREAS NOT TO BE CONSTRUCTED UPON WITHIN 14 DAYS SHOULD RECEIVE TEMPORARY STABILIZATION. THE TEMPORARY SEEDING MIXTURES SHALL BE ANNUAL RYE GRASS AT A RATE OF 4 POUND PER 1000 SQ. FT. AND LIMED AT A RATE OF 45 LBS. PER 1000 SQ. FT.
- PERMANENT STABILIZATION - ALL EXPOSED AREAS WHICH ARE TO BE PERMANENTLY VEGETATED SHOULD BE SEEDED WITHIN 7 DAYS OF FINAL GRADING, ACCORDING TO THE PERMANENT SEEDING SPECIFICATIONS.

**TOP SOILING**

TOPSOIL SHOULD BE USED WHERE SOILS ARE: SANDS, GRAVELY SOILS, CLAYS, SILTY CLAYS, VERY SHALLOW, OR WHERE THEY ARE EXTREMELY ACID (LESS THAN PH4.0) OR SALTY (COND- ACTIVITY GREATER THAN 1.0 MILLIMOHS PER CENTIMETER); OR WHERE TOPSOIL IS AVAILABLE ON SITE AND ASSURANCE OF IMPROVED VEGETATIVE GROWTH IS DESIRED.

- MATERIALS**
  - TOPSOIL SHOULD BE FRILABLE AND LOAMY, FREE OF DEBRIS, OBJECTIONABLE WEEDS AND STONES, AND CONTAIN NO TOXIC SUBSTANCE THAT MAY BE HARMFUL TO PLANT GROWTH. A pH RANGE OF 5.0-7.5 IS ACCEPTABLE. SOLUBLE SALTS SHOULD NOT BE EXCESSIVE. (CONDUCTIVITY LESS THAN 0.5 MILLIMOHS PER CENTIMETER). TOPSOIL HAULED IN FROM OFF SITE SHOULD HAVE A MINIMUM ORGANIC MATTER CONTENT OF 2.75 PERCENT. ORGANIC MATTER CONTENT MAY BE RAISED BY ADDITIVES.
- STRIPPING AND STOCKPILING**
  - FIELD EXPLORATION SHOULD BE MADE TO DETERMINE WHETHER QUANTITY AND/OR QUALITY OF SURFACE SOIL JUSTIFIES STRIPPING.
  - STRIPPING SHOULD BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA.
  - WHERE FEASIBLE, LIME MAY BE APPLIED BEFORE STRIPPING AT A RATE DETERMINED BY SOIL TESTS TO BRING THE SOIL pH TO 6.5. IN LIEU OF SOIL TESTS, SEE LIME RATE GUIDE IN SEEDBED PREPARATION FOR PERMANENT VEGETATIVE COVER.
  - A 4-6 INCH STRIPPING DEPTH IS COMMON, BUT MAY VARY DEPENDING ON THE PARTICULAR SOIL.
  - STOCKPILES OF TOPSOIL SHOULD BE SITUATED SO AS NOT TO OBSTRUCT NATURAL DRAINAGE OR CAUSE OFF-SITE ENVIRONMENTAL DAMAGE.
  - STOCKPILES SHOULD BE VEGETATED IN ACCORDANCE WITH TEMPORARY SEEDING STANDARDS PREVIOUSLY DESCRIBED HEREIN.
- SITE PREPARATION**
  - GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION AND ANCHORING, AND MAINTENANCE.
  - SUBSOIL SHOULD BE TESTED FOR LIME REQUIREMENT AND LIME/STONE, IF NEEDED, SHOULD BE APPLIED TO BRING SOIL pH TO 6.5 AND INCORPORATED INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES.
  - IMMEDIATELY PRIOR TO TOPSOIL DISTRIBUTION, THE SURFACE SHOULD BE SCARIFIED 6" - 12" WHERE THERE HAS BEEN SOIL COMPACTION.
  - EMPLOY NEEDED EROSION CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENTATION BASINS, AND WATERWAYS.
- APPLYING TOPSOIL**
  - TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING SOIL STRUCTURE; I.E., LESS THAN FIELD CAPACITY.
  - TOPSOIL SHALL BE APPLIED TO A UNIFORM DEPTH OF 5.0 INCHES (FIRMED IN PLACE).



**INLET FILTERS, TYPE 1**

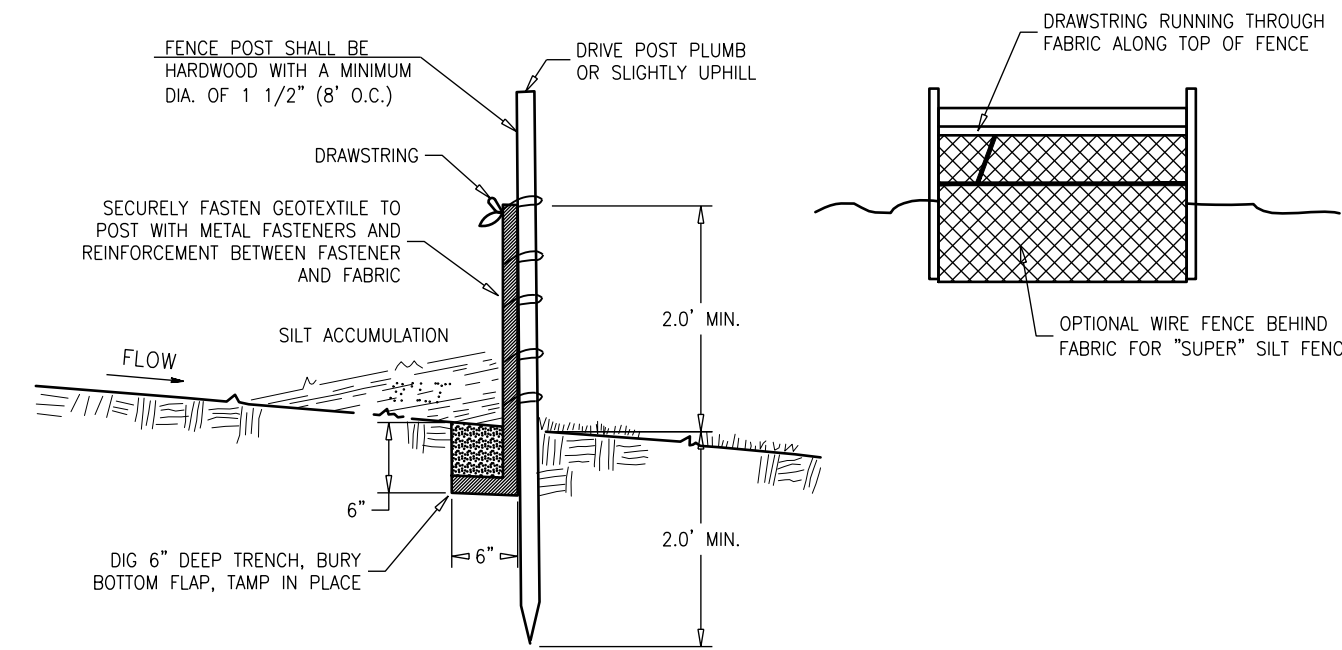
N.T.S.

**DUST CONTROL**

- THE PURPOSE OF DUST CONTROL MEASURES IS TO PREVENT THE BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, REDUCE ON-SITE AND OFF-SITE DAMAGE & HEALTH HAZARDS, AND IMPROVE TRAFFIC SAFETY.
  - MULCHES - REVIEW MULCHING NOTES ABOVE.
  - VEGETATIVE COVER - REVIEW NOTES ON TEMPORARY COVER.
  - SPRAY-ON ADHESIVES - ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS.
- MATERIAL**

	WATER DILUTION	TYPE OF NOZZLE	APPLY GALLON/ACRE
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN IN WATER	4:1	FINE SPRAY	300

  - POLYACRYLAMIDE (PAM) - SPRAY ON APPLY ACCORDING TO MANUFACTURER'S INSTRUCTIONS. MAY ALSO BE USED AS AN ADDITIVE TO SEDIMENT BASINS TO FLOCCULATE AND PRECIPITATE SUSPENDED COLLOIDS. SEE SEDIMENT BASIN STANDARD, PAGE 26-1.
  - POLYACRYLAMIDE (PAM) - DRY SPREAD
  - ACIDULATED SOY BEAN SOAP STICK - NONE - COARSE SPRAY - 1200
- TILLAGE** - TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS A TEMPORARY EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART, AND SPRING-TOOTHED HARROWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
- SPRINKLING** - SITE IS SPRINKLED UNTIL THE SITE IS WET.
- BARRIERS** - SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.
- STONE** - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.



**NOTES:**

- EXCAVATE A 6"x6" TRENCH ALONG THE LOWER PERIMETER OF THE SITE.
- UNROLL THE SILT FENCE GEOTEXTILE AND POSITION THE POLES AGAINST THE BACK(DOWNSTREAM) WALL OF THE TRENCH.
- LAY THE TOE-IN FLAP OF THE FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH, BACKFILL THE TRENCH AND TAMP THE SOIL.

**SILT FENCE DETAIL OR APPROVED EQUAL**

N.T.S.

**SOIL EROSION & SEDIMENT CONTROL PLAN**

**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
MWA	MWA	MAD	01/21/2025

*Marc DeBlasio* 1/21/2025  
MARC A. DEBLASIO, P.E.  
New Jersey License No. 41599

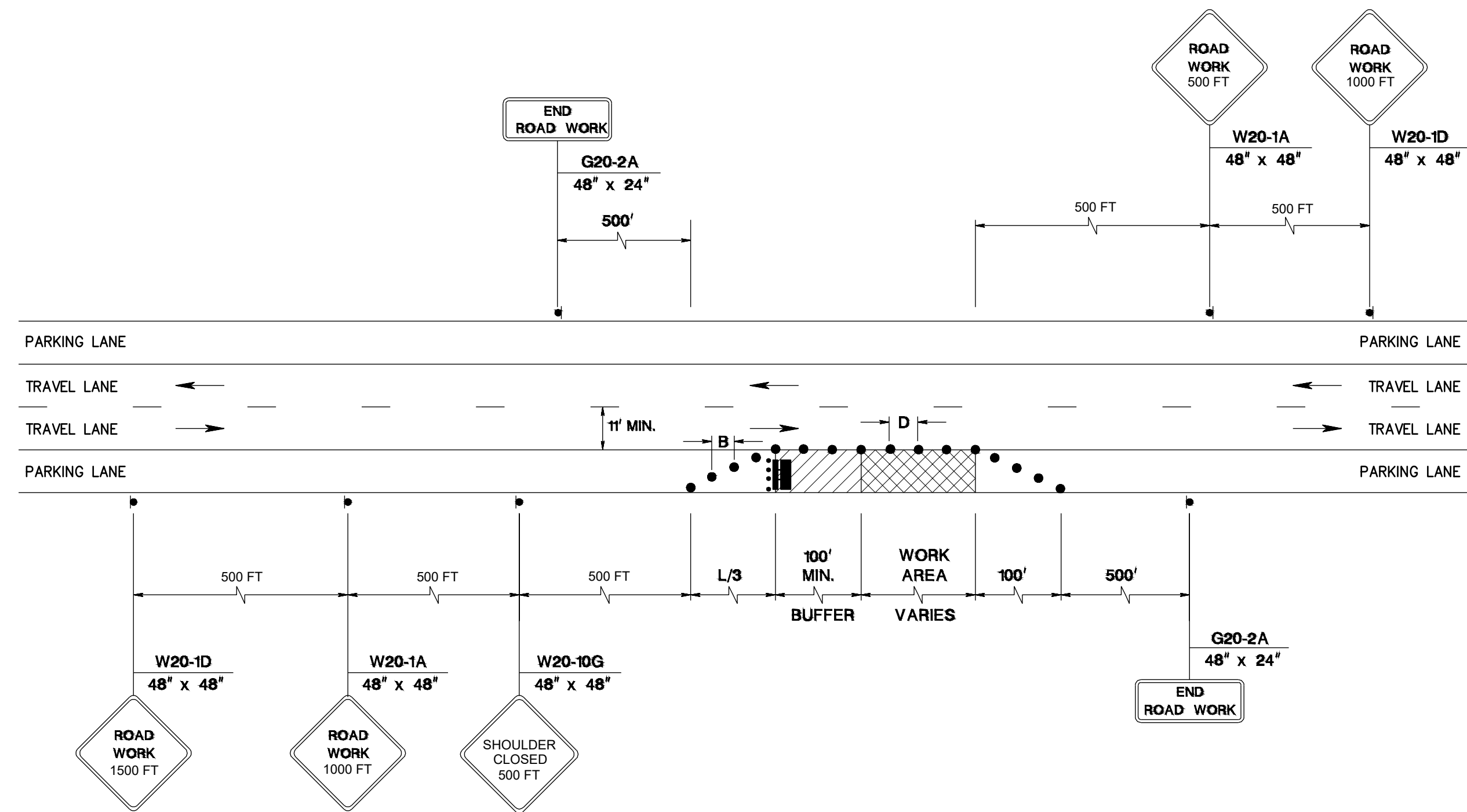
Scale:	App. No.:	Sheet No.:	Total:
AS NOTED		18-C-021	37

NO. DATE APPR. REVISION

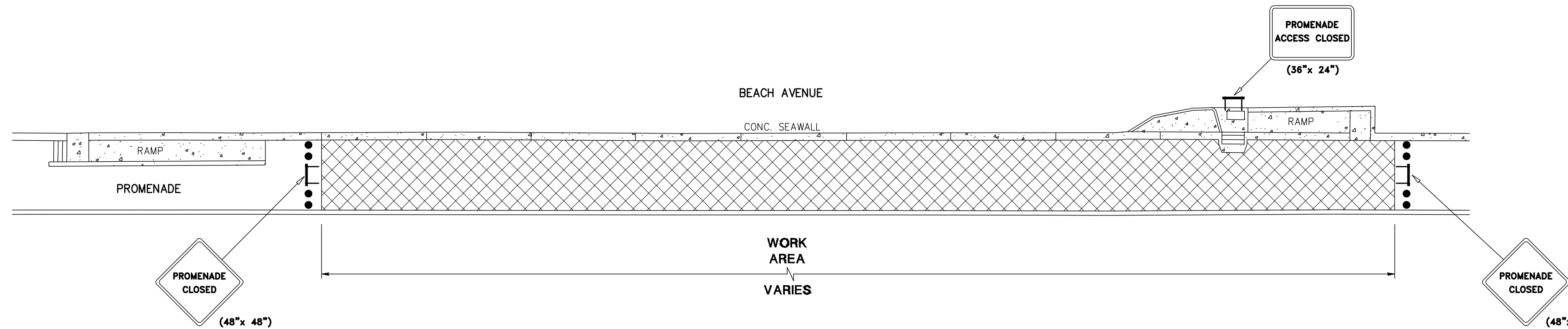
--	--	--	--

COPYRIGHT 2025, DEBLASIO & ASSOCIATES, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.

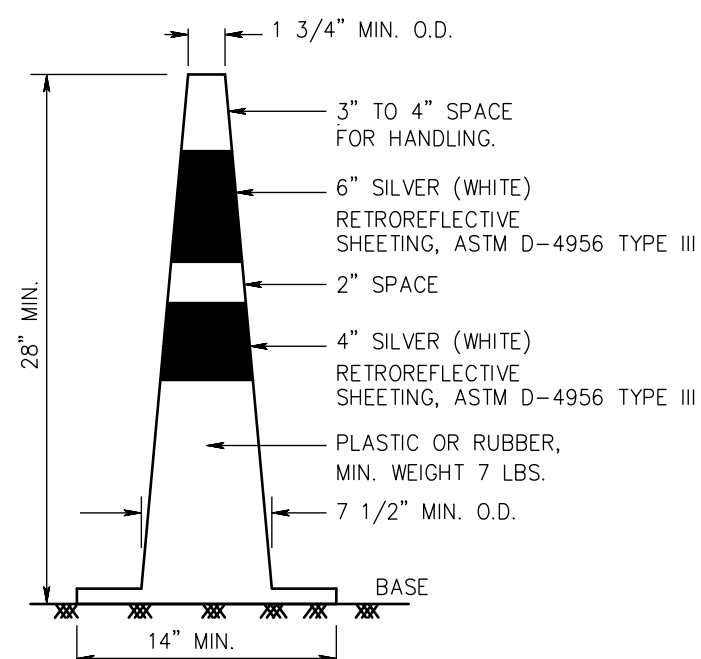




**2 LANE, UNDIVIDED, PARKING LANE CLOSURE**  
(BEACH AVENUE)  
N.T.S.



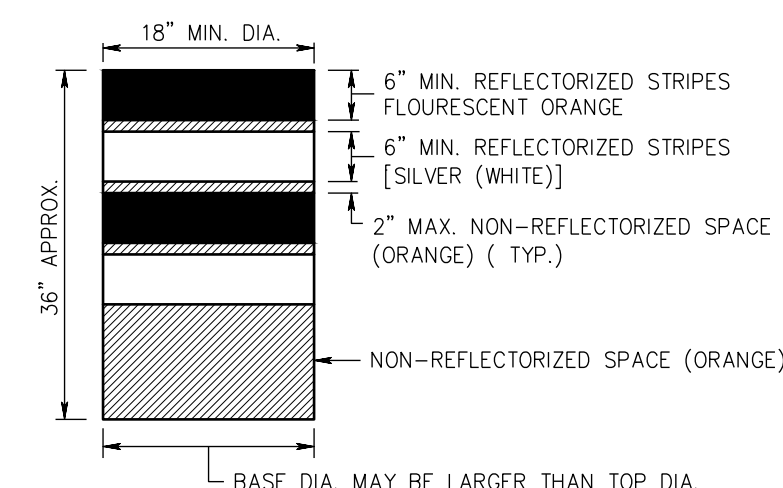
**TYPICAL STREET TRAFFIC CONTROL PLAN**  
(PROMENADE)  
N.T.S.



**NOTES:**  
TRAFFIC CONES MUST BE PREDOMINATELY ORANGE IN COLOR.  
BASES MAY BE OF BREAKAWAY BALLASTED TYPE.  
MINOR MANUFACTURER'S VARIATIONS MAY BE ACCEPTABLE UPON APPROVAL OF THE ENGINEER.

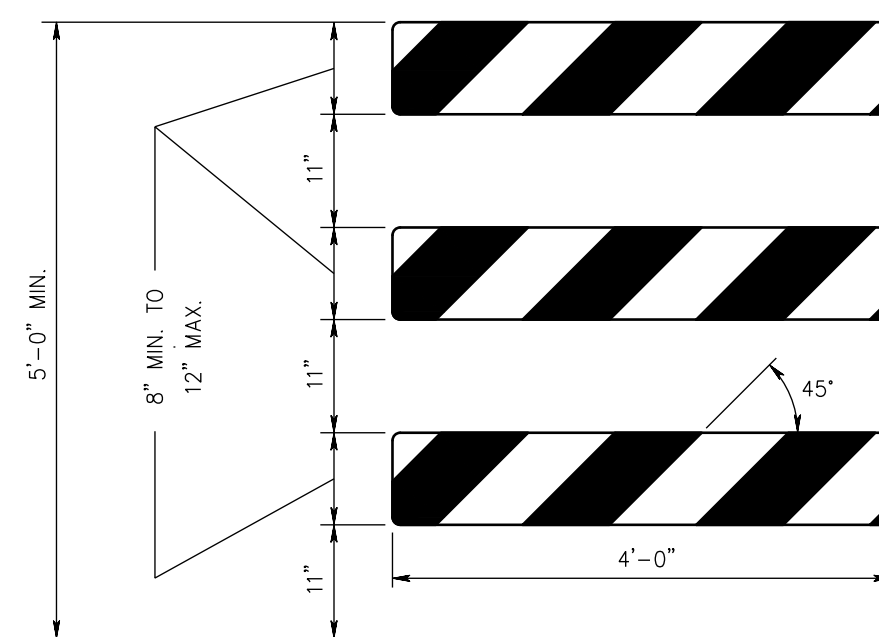
**TRAFFIC CONES**  
N.T.S.

DRUMS SHALL BE MADE OF ORANGE PLASTIC WITH A MINIMUM OF FOUR ALTERNATE FLUORESCENT ORANGE AND SILVER (WHITE) RETROREFLECTIVE STRIPES. IF THERE ARE NON-REFLECTORIZED SPACES BETWEEN THE STRIPES, THEY SHALL BE NO MORE THAN 2" WIDE. ENSURE RETROREFLECTIVE SHEETING FOR STRIPES CONFORMS WITH ASTM D 4956 TYPE VII OR VIII WITH S2 REQUIREMENTS.  
ENSURE THE TOP OF THE DRUM IS NOT OPEN. CONSTRUCT DRUMS TO INHIBIT ROLLING IF KNOCKED OVER.  
THE REFLECTORIZED AREA OF DRUMS SHALL BE ROUND EXCEPT THAT OTHER SHAPES, WHICH PROVIDE THE SAME VISIBILITY AS AN 18 INCH DIAMETER ROUND DRUM REGARDLESS OF ORIENTATION, MAY BE USED.



WHEN BALLAST IS REQUIRED BY THE ENGINEER, SAND SHALL BE USED. THE MAXIMUM WEIGHT OF THE BALLAST SHALL BE 50 LBS. AND BE LOCATED APPROXIMATELY AT GROUND LEVEL. ALTERNATE TYPES OF BALLAST SHALL BE APPROVED BY THE ENGINEER.

**DRUM DETAIL**  
N.T.S.



**TYPE III BARRICADE - FRONT VIEW**

**NOTES:**  
1. ENSURE THE 8" MIN. x 48", TO 12" MAX. x 48" BARRICADE RAILS TO BE ATTACHED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.  
2. ENSURE ORANGE AND SILVER (WHITE) STRIPES TO BE RETROREFLECTIVE SHEETING, ASTM D 4956 TYPE III. ALTERNATE ORANGE AND SILVER (WHITE) STRIPES 6" WIDE SLOPING DOWNWARD AT AN ANGLE OF 45 DEGREES IN THE DIRECTION TRAFFIC IS TO PASS.  
3. THE FRAMING, RAILS, AND BALLAST FOR BREAKAWAY BARRICADE TO BE NCHRP-350 CRASHED TESTED AND FHWA APPROVED.  
4. IF NECESSARY, FABRICATE THE BALLAST AND PLACE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

**BREAKAWAY BARRICADES**  
N.T.S.

**LEGEND**

- [ ] BREAKAWAY BARRICADES
- [ ] BREAKAWAY BARRICADES WITH SIGN
- [ ] CONSTRUCTION SIGNS
- [ ] DRUMS
- [ ] CONE
- [ ] PRECAST CONCRETE CURB CONSTRUCTION BARRIER (TYPE SPECIFIED)
- [ ] DIRECTION OF TRAFFIC FLOW
- [ ] FLAGGER
- [ ] ILLUMINATED FLASHING ARROW MOUNTED ON TOWING VEHICLE SHOWING CAUTION MODE
- [ ] ILLUMINATED FLASHING ARROW MOUNTED ON TOWING VEHICLE SHOWING ARROW PATTERN (Left, Right, Both)
- [ ] TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHION AND ARROW BOARD SHOWING CAUTION MODE
- [ ] TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHION AND ARROW BOARD SHOWING ARROW PATTERN (Left, Right, Both)
- [ ] TEMPORARY CRASH CUSHION, INERTIAL BARRIER SYSTEM
- [ ] TEMPORARY CRASH CUSHION, (all other approved)
- [ ] BUFFER ZONE
- [ ] WORK AREA
- [ ] PAINT STRIPING TRUCK OR OTHER OPERATING VEHICLE

**GENERAL NOTES:**

1. ADVANCE WARNING SIGNS, DISTANCES, AND TAPER LENGTHS MAY BE EXTENDED, AT DIRECTION OF THE ENGINEER, TO ADJUST FOR REDUCED VISIBILITY DUE TO HORIZONTAL AND VERTICAL CURVATURE OF THE ROADWAY.
2. THE APPROXIMATE LOCATIONS OF THE ILLUMINATED FLASHING ARROW BOARDS ARE SHOWN ON THE TRAFFIC CONTROL PLANS. THESE LOCATIONS MAY BE MODIFIED TO ADJUST FOR VISIBILITY DUE TO HORIZONTAL OR VERTICAL CURVATURE OF THE ROADWAY OR TO POSITION AT A SAFER LOCATION. ILLUMINATED FLASHING ARROW BOARDS ARE TO BE USED FOR TEMPORARY LANE CLOSINGS AND AT LOCATIONS SHOWN ON THE TRAFFIC CONTROL PLANS.
3. PRIOR TO ANY ROAD CONSTRUCTION, TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE IN PLACE.
4. RAMPS AND/OR SIDE STREETS ENTERING THE ROADWAY AFTER THE FIRST ADVANCE WARNING SIGN SHALL BE PROVIDED WITH AT LEAST ONE W20-IF SIGN (ROAD WORK AHEAD) AS A MINIMUM.
5. ALL EXISTING ROAD SIGNS, PAVEMENT MARKINGS AND/OR PLOWABLE PAVEMENT REFLECTORS WHICH CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLAN SHALL BE COVERED, REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER.
6. CONFLICTING OR NON-OPERATING SIGNAL INDICATIONS ON EITHER THE EXISTING, TEMPORARY, OR PROPOSED TRAFFIC SIGNAL SYSTEMS SHALL BE BAGGED OR COVERED.
7. MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES - PART VI "STANDARDS AND GUIDES FOR TRAFFIC CONTROL FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE, UTILITY, AND INCIDENT MANAGEMENT OPERATIONS", UNLESS OTHERWISE NOTED IN THE PLANS AND SPECIFICATIONS, AND SHALL BE APPROVED BY THE ENGINEER.
8. CONSTRUCTION SIGN W99-2 (GIVE US A BRAKE) SHALL BE LOCATED 200 FEET IN ADVANCE OF PROJECT LIMITS.
9. A W1-6 (ARROW) SIGN MOUNTED ON A BREAKAWAY BARRICADE AND CENTERED ON THE CLOSED WIDTH SHALL BE LOCATED 100 FEET BEYOND EACH INTERSECTION OR MAIN ACCESS POINT WITHIN THE AREA OF A LANE OR SHOULDER CLOSURE.
10. CONSTRUCTION SIGNS R11-4 (ROAD CLOSED TO THRU TRAFFIC) SHALL BE PLACED AT THE INTERSECTING STREETS WHICH ARE CLOSED TO TRAFFIC BECAUSE OF CONSTRUCTION.
11. CONSTRUCTION SIGNS W8-9A (SYMBOL FOR UNEVEN PAVEMENT) AND W8-14A (GROOVED PAVEMENT) SHALL BE USED WHEN SUCH PAVEMENT CONDITIONS EXIST. THE PLACEMENT OF THESE SIGNS SHALL BE AS DIRECTED BY THE ENGINEER.
12. MOVING WORK AREAS IN A LANE CLOSURE REQUIRE A TRAILER MOUNTED ILLUMINATED FLASHING ARROW TO REMAIN AT THE END OF THE TAPER, THE TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHION THAT SHALL MOVE WITH THE WORK AREAS TO KEEP A 70 FEET MIN. AND 150 FEET MAX. BUFFER IN ADVANCE OF EACH WORK AREA.
13. THE CONTRACTOR SHALL SUBMIT A PLAN FOR THE SAFE ACCESS OF CONSTRUCTION VEHICLES THROUGHOUT THE WORK SITE WHERE SPACE CONSTRAINTS PREVENT THE USE OF LANE CLOSURES. THE PLAN SHALL BE SUBMITTED TO THE ENGINEER IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
14. ALL EXCAVATED AREAS WITHIN OR ADJACENT TO THE ROADWAY SHALL BE BACKFILLED AND PLACED ON A MINIMUM 6H : 1V SLOPE PRIOR TO THE END OF EACH WORK DAY. OTHER EXCAVATED AREAS WITHIN THE CLEAR ZONE ARE TO BE EITHER BACKFILLED OR A PRECAST CONCRETE CURB CONSTRUCTION BARRIER SET TEMPORARILY IN PLACE TO SHIELD VEHICULAR AND PEDESTRIAN TRAFFIC.
15. WHERE REQUIRED, THE CONTRACTOR SHALL MAKE PROVISIONS FOR MAINTAINING PEDESTRIAN CROSSING LOCATIONS AND TYPE AS DIRECTED BY THE ENGINEER.
16. HOT MIX ASPHALT PLACED DURING THE VARIOUS CONSTRUCTION STAGES SHALL BE TRANSITIONED ON A MINIMUM 20H : 1V SLOPE TO MEET THE ADJACENT EXISTING GRADE AT THE LONGITUDINAL AND TRANSVERSE LIMITS OF THE STAGE. CONSTRUCTION AREAS UNLESS OTHERWISE NOTED ON THE STAGE CONSTRUCTION PLANS.
17. THE PLACEMENT AND OR RELOCATION OF PRECAST CONCRETE CURB, CONSTRUCTION BARRIER SHALL BE DONE DURING APPROVED OFF-PEAK HOURS WHEN TRAFFIC MAY BE REDUCED TO ONE LANE IN EACH DIRECTION.
18. CONSTRUCTION ZONE SPEED LIMIT WILL BE DETERMINED BY THE REGIONAL TRAFFIC ENGINEER AT THE TIME OF OR DURING CONSTRUCTION, AS REQUESTED BY THE RESIDENT ENGINEER.
19. THE SPEED LIMIT, R2-1 (BLACK ON WHITE) SIGN SHALL BE LOCATED THROUGH WORK AREAS AS DIRECTED BY THE REGIONAL TRAFFIC ENGINEER.
20. THE REDUCED SPEED AHEAD SIGN, R2-5A(S) (BLACK ON WHITE) SHALL BE LOCATED IN ADVANCE OF SPEED LIMIT R2-1 SIGNS WHICH REDUCE THE NORMAL POSTED SPEED LIMIT THROUGH THE CONSTRUCTION ZONE.
21. TRAFFIC FINES DOUBLED IN WORK AREA (R(N)5-17(S)), 4 FEET BY 2.5 FEET SIGN SHALL BE LOCATED 500 FEET AFTER THE FIRST ADVANCE WARNING SIGN, (W20 SERIES) AT EACH WORK AREA LOCATED WITHIN URBAN AREAS. THIS SIGN SHALL ALSO BE USED ON PROJECTS REQUIRING MOVING OPERATIONS IN WHICH CASE THE SIGN SHALL BE MOUNTED ON A SLOW MOVING CONSTRUCTION VEHICLE.
22. THE FINAL HOT MIX ASPHALT SURFACE PAVEMENT SHALL NOT BE CONSTRUCTED UNTIL THE FINAL STAGE OF THE PROJECT MANHOLES AND INLETS SHALL BE SET TO FINISHED GRADE AND TEMPORARY PAVEMENT RAMPS ARE TO BE CONSTRUCTED AROUND THEM WITH A MINIMUM 20H : 1V SLOPE IN ALL DIRECTIONS USING HOT MIX ASPHALT PAVEMENT. THIS TEMPORARY MATERIAL WILL BE REMOVED IMMEDIATELY PRIOR TO PLACING THE SURFACE COURSE.
23. TRAFFIC CONTROL DEVICES FOR LANE CLOSURES INCLUDING SIGNS, CONES, BARRICADES, ETC. SHALL BE PLACED AS SHOWN ON PLANS. SIGNS SHALL NOT BE PLACED WITHOUT ACTUAL LANE CLOSURES AND SHALL BE IMMEDIATELY REMOVED UPON REMOVAL OF THE CLOSURES.
24. CONES MAY BE SUBSTITUTED FOR DRUMS AND INSTALLED UPON THE APPROVAL OF THE ENGINEER.
25. SEE SPECIFICATION SECTION 3201.30 TRAFFIC CONTROL.

REGULATORY APPROACH SPEED OF TRAFFIC MILES/HOUR	RECOMMENDED TAPER LENGTH AND SPACING FOR CHANNELIZING TAPERS			RECOMMENDED SPACING ALONG TANGENTS	
	MINIMUM TAPER RATIO IN LENGTH PER FOOT OF WIDTH	MINIMUM TAPER LENGTH L - FOR LANE WIDTHS	MAXIMUM DEVICE (B) SPACING ALONG TANGENTS IN FEET	MAXIMUM DEVICE (D) SPACING ALONG TANGENTS IN FEET	
25	10.5:1	105 115 125	25	50	
30	15:1	150 165 180	30	60	
35	20.5:1	205 225 245	35	70	
40	27:1	270 300 325	40	80	
45	45:1	450 495 540	45	90	
50	50:1	500 550 600	50	100	
55	55:1	550 605 660	55	110	
60	60:1	600 660 720	60	120	
65	65:1	650 715 780	65	130	

**NOTE:**  
THE MAXIMUM DEVICE SPACING ALONG CURVES SHALL BE AS DEFINED FOR TAPERS (B) IN THE ABOVE TABLE.

REGULATORY APPROACH SPEED OF TRAFFIC MILES/HOUR	RECOMMENDED SIGHT DISTANCE TO BEGINNING OF CHANNELIZING TAPERS			
	DESIRABLE		MINIMUM	
	RURAL FEET	URBAN FEET	RURAL FEET	URBAN FEET
25	375	525	150	
30	450	625	200	
35	525	725	250	
40	600	825	325	
45	675	925	400	
50	750	1025	475	
55	875	1150	550	
60	1000	1275	650	
65	1050		725	

**NOTE:**  
1. AVOIDANCE MANUEVER IS FOR A SPEED, PATH, AND/OR DIRECTION CHANGE PRIOR TO THE BEGINNING OF CHANNELIZING TAPERS.  
2. RECOMMENDED DISTANCES BETWEEN TWO SEPARATE LANE CLOSURES SHALL BE DOUBLE THE VALUES SHOWN ABOVE.  
3. RURAL AND URBAN ROAD DESIGNATIONS SHALL BE AS DEFINED IN THE N.JDOT STATE HIGHWAY STRAIGHT LINE DIAGRAMS.  
4. DESIRABLE VALUES SHALL BE PROVIDED WHEREVER POSSIBLE. IF IT IS NOT FEASIBLE OR PRACTICAL TO PROVIDE DESIRABLE VALUES BECAUSE OF HORIZONTAL OR VERTICAL CURVATURE OR IF RELOCATION OF THE TAPER IS NOT POSSIBLE, THEN MINIMUM VALUES CAN BE APPLIED. WHEN MINIMUM VALUES ARE USED, SPECIAL ATTENTION SHOULD BE GIVEN TO THE USE OF SUITABLE TRAFFIC CONTROL DEVICES FOR PROVIDING ADVANCED WARNING OF THE CONDITIONS THAT ARE LIKELY TO BE ENCOUNTERED.  
5. TAPERS SHALL BE LOCATED TO MAXIMIZE THE VISIBILITY OF THEIR TOTAL LENGTH.

**TRAFFIC CONTROL PLAN & DETAILS**

**DeBlasio & Associates**  
ENGINEERS, SURVEYORS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
PHONE (609) 854-3311  
FAX (609) 854-4323  
WWW.DEBLASIOASSOC.COM  
Certification of Authorization No. 24CA28284900

**CAPE MAY PROMENADE IMPROVEMENTS (PHASE 1)**  
CITY OF CAPE MAY  
CAPE MAY COUNTY, NEW JERSEY

Design: MWA Draw: MWA Check: MAD Date: 01/21/2025

NO.	DATE	APPR.	REVISION

NO. DATE APPR. REVISION

DESIGNER: MWA DRAWN: MWA CHECKED: MAD DATE: 01/21/2025

SCALE: AS NOTED JOB No.: 24CA-C-021 SHEET No.: 37 TOTAL: 37

Copyright 2025, DeBlasio & Associates, P.C. - ALL RIGHTS RESERVED. THE COPYING OR REUSE OF THIS DOCUMENT OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE PERMISSION OF DEBLASIO & ASSOCIATES, P.C. IS PROHIBITED.

*Man DeBlasio* 1/21/2025  
MARC A. DEBLASIO, P.E. DATE  
New Jersey License No. 41599