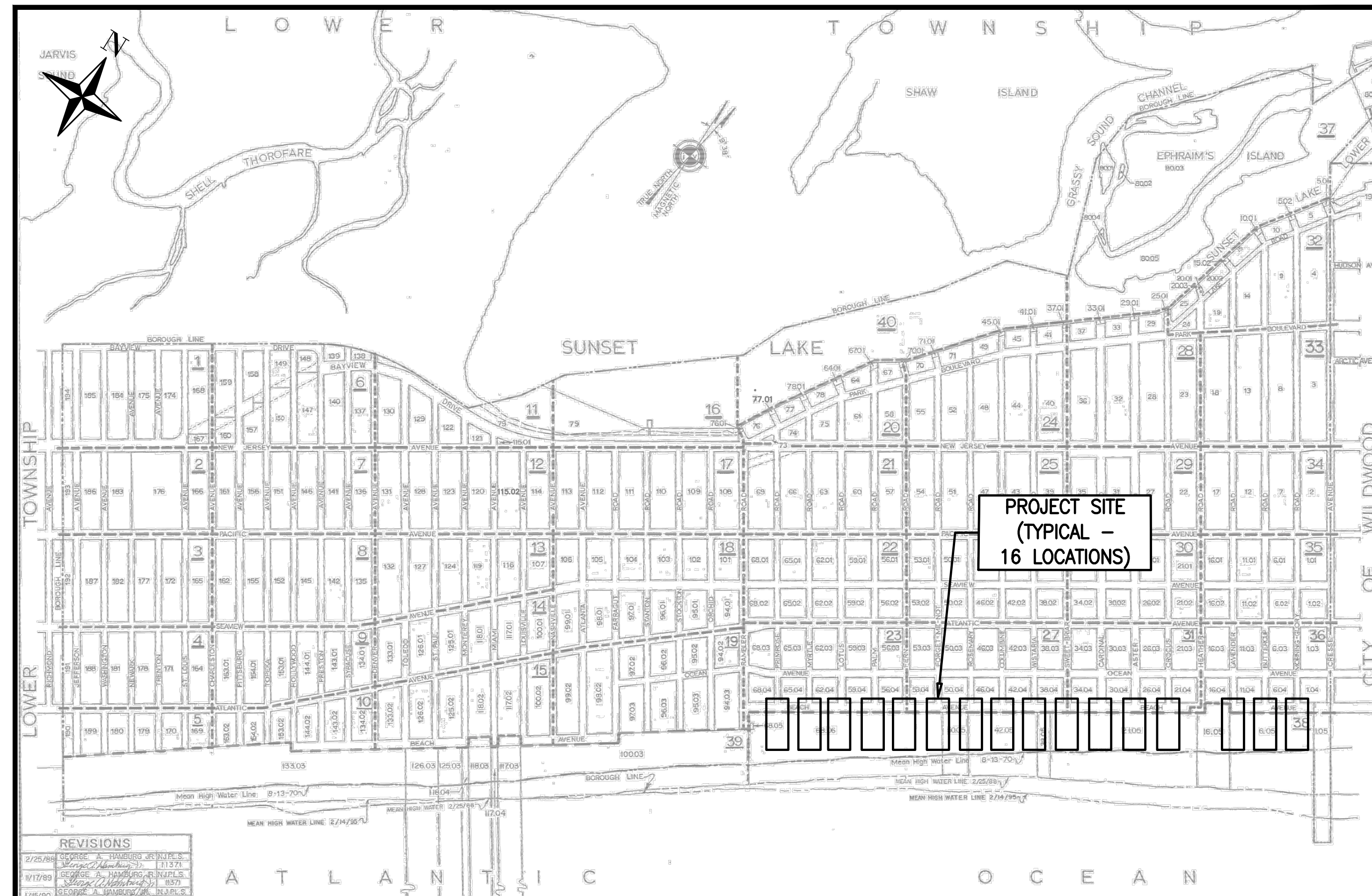


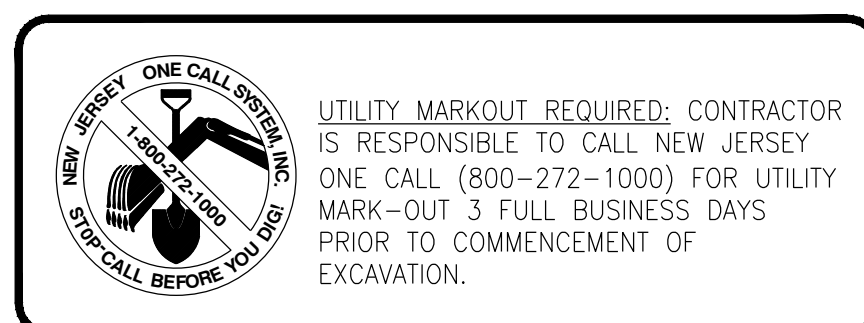
BEACH STREET END PUBLIC ACCESS IMPROVEMENTS - PHASE 3

UTILITIES	
PUBLIC WORKS:	WILDWOOD CREST PUBLIC WORKS DEPARTMENT JOSEPH BOND 120 W. NEWARK AVENUE WILDWOOD CREST, NJ 08260 609-522-7446
SEWER:	WILDWOOD CREST SEWER DEPARTMENT JOSEPH BOND 120 W. NEWARK AVENUE WILDWOOD CREST, NJ 08260 609-522-7446 CAPE MAY COUNTY M.U.A. THOMAS J. LAROCCO, P.E. 1523 ROUTE 9 NORTH, PO BOX 610 CAPE MAY COURT HOUSE, NJ 08210 609-465-9026
WATER:	WILDWOOD WATER UTILITY MICHAEL MCINTYRE, P.E., C.M.E. 3416 PARK BOULEVARD WILDWOOD, NJ 08260 609-846-0600
ELECTRIC:	ATLANTIC CITY ELECTRIC COMPANY KEN ATWOOD 420 ROUTE 9 NORTH CAPE MAY COURT HOUSE, NJ 08210 609-463-3816
CABLE:	COMCAST CABLE JIM FAULKNER 800 RAHWAY AVENUE, BLDG. D UNION, NJ 07083 JIM_FAULKNER@COMCAST.COM
GAS:	SOUTH JERSEY GAS COMPANY JEREMIAH LIN 1708 ROUTE 9 NORTH CAPE MAY COURT HOUSE, NJ 08210 609-465-2900
TELEPHONE:	VERIZON ENGINEERING DEPARTMENT GREGORY ANGSTMAN 10 TANSBORO ROAD, FLOOR 2 BERLIN, NJ 08009 609-204-2129



PROJECT LOCATION MAP

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2	ESTIMATE OF QUANTITIES, NOTES & LEGEND
3	PLAN (PRIMROSE ROAD)
4	PLAN (MYRTLE ROAD)
5	PLAN (LOTUS ROAD)
6	PLAN (PALM ROAD)
7	PLAN (FERN ROAD)
8	PLAN (FORGET-ME-NOT ROAD)
9	PLAN (ROSEMARY ROAD)
10	PLAN (COLUMBINE ROAD)
11	PLAN (WISTERIA ROAD)
12	PLAN (SWEETBRIAR ROAD)
13	PLAN (CARDINAL ROAD)
14	PLAN (ASTER ROAD)
15	PLAN (CROCUS ROAD)
16	PLAN (LAVENDER ROAD)
17	PLAN (BUTTERCUP ROAD)
18	PLAN (MORNING GLORY ROAD)
19-21	CONSTRUCTION DETAILS
22	SOIL EROSION AND SEDIMENT CONTROL PLAN
23	TRAFFIC CONTROL PLAN & DETAILS



BOROUGH OF WILDWOOD CREST 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
CONSULTING ENGINEERS AND PLANNERS

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

BEACH STREET END PUBLIC ACCESS IMPROVEMENTS - PHASE 3
BOROUGH OF WILDWOOD CREST
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
J.M.	J.M.	MAD	1/9/2024

Marc A. DeBlasio 1/9/2024
MARC A. DEBLASIO, PE DATE

New Jersey License No. 41599
Scale: AS NOTED
Sheet No.: 1 of 23

NO.	DATE	APPR.	REVISION

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GENERAL NOTES

- 1) ROADWAY CONSTRUCTION SHALL BE IN ACCORDANCE WITH NEW JERSEY STATE DEPARTMENT OF TRANSPORTATION STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 (LATEST ADDENDUM), WHICH SHALL GOVERN. 2016 NJDOT STANDARD CONSTRUCTION DETAILS SHALL GOVERN. 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 CITY, 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.
- 2) 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.
- 3) 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/HER FROM RESPONSIBILITY FOR ESTIMATING PROPERLY THE DIFFICULTIES OR COST OF SUCCESSFULLY PERFORMING THE WORK.
- 4) ALL MATERIALS, METHODS, AND DETAILS OF IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE REGULATIONS OF BOROUGH OF WILDWOOD CREST, CAPE MAY COUNTY, AND/OR THE APPROPRIATE UTILITY COMPANY, WHICHEVER REGULATION TAKES PRECEDENCE.
- 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:

- A. CONFORMITY WITH THE APPROVED PLANS AS WELL AS STANDARDS AND SPECIFICATIONS OF THE BOROUGH.
 - B. 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.
 - C. 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.
- 7) CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PUBLIC SAFETY AND SECURING THE SITE AT ALL TIMES.
 - 8) 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.
 - 9) 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).
 - 10) EXISTING MATERIALS DESIGNATED FOR REMOVAL SHALL BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE DIRECTED BY THE OWNER.
 - 11) DISTURBED AREAS SHALL BE RESTORED AS SOON AS PRACTICAL.
 - 12) 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 OF ANY DISCREPANCIES.
 - 13) THE CONTRACTOR SHALL COORDINATE WATER MAIN SHUT DOWNS WITH THE WILDWOOD WATER UTILITY.
 - 14) 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.
 - 15) THE CONTRACTOR SHALL PRODUCE ASBUILTS PLANS AND SHALL IDENTIFY ALL CORRECTIONS THAT HAVE BEEN PERFORMED.

ESTIMATE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	PLAN QUANTITY	IF & WHERE DIRECTED	CONTRACT QUANTITY	AS-BUILT QUANTITY
1	TRAFFIC CONTROL	LUMP SUM	LUMP SUM	0	LUMP SUM	
2	CLEARING SITE	LUMP SUM	LUMP SUM	0	LUMP SUM	
3	ROUGH CARPENTRY	LUMP SUM	LUMP SUM	0	LUMP SUM	
4	COMPOSITE DECKING	S.F.	19,438	562	20,000	
5	TIMBER RAILING SYSTEM	L.F.	3,416	84	3,500	
6	ADA WASHING SHOWERS, FURNISH AND INSTALL	UNIT	16	1	17	
7	BICYCLE RACK, FURNISH AND INSTALL	UNIT	10	2	12	
8	WATER SERVICE, 1" - WASHING SHOWER	L.F.	1,113	87	1,200	
9	WATER SERVICE, 1" - COMPLETE	UNIT	2	1	3	
10	SELECT FILL	C.Y.	455	45	500	
11	TEST PIT EXCAVATION (IF & WHERE DIRECTED)	UNIT	0	1	1	
12	CONCRETE SIDEWALK, 4" THICK	S.Y.	16	34	50	
13	8"X18" CONCRETE VERTICAL CURB	L.F.	16	9	25	
14	ALLOWANCE	\$1.00	50,000	0	\$50,000.00	

LEGEND

EXISTING	PROPOSED
TRAVERSE POINT	FIRE HYDRANT
FIRE HYDRANT	SIGN
SIGN	UTILITY POLE
UTILITY POLE	SPOT ELEVATION
PARKING METER	LIGHT POLE
SPOT ELEVATION	WATER METER
LIGHT POLE	WATER VALVE
GAS METER	SANITARY CLEANOUT
WATER METER	"B" INLET
WATER CURBSTOP/SHUT-OFF	"A" INLET
WATER VALVE	"E" INLET
GAS VALVE/SHUT-OFF	STORM MANHOLE
SANITARY CLEANOUT	SANITARY MANHOLE
STREET SIGN	CURBING
"B" INLET	CONCRETE
"A" INLET	STORM DRAINS
"E" INLET	WATER MAIN
STORM MANHOLE	SANITARY MAIN
SANITARY MANHOLE	GAS MAIN
ELECTRIC MANHOLE	ELECTRIC CONDUIT
TELEPHONE MANHOLE	OVERHEAD WIRES
CURBING	PROPOSED CONTOUR
CONCRETE	(PROPOSED TOP OF CURB)
STORM DRAINS	(PROPOSED TOP OF DEPRESSED CURB)
WATER MAIN	(PROPOSED BOTTOM OF CURB)
SANITARY MAIN	(PROPOSED GUTTER LINE)
GAS MAIN	PROPOSED SILT FENCE
ELECTRIC CONDUIT	PROPOSED INLET PROTECTION
FORCE MAIN	PROPOSED ADA WASHING SHOWER
OVERHEAD WIRES	PROPOSED GROUND HYDRANT
EXISTING CONTOUR	
RIGHT-OF-WAY LINE/PROPERTY LINE	

ESTIMATE OF QUANTITIES, NOTES & LEGEND

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Certification of Authorization No. 24GA28284900

BEACH STREET END PUBLIC ACCESS IMPROVEMENTS - PHASE 3 BOROUGH OF WILDWOOD CREST CAPE MAY COUNTY, NEW JERSEY

Design: J.M.	Drawn: J.M.	Check: MAD	Date: 1/9/2024
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Marc A. DeBlasio 1/9/2024
MARC A. DEBLASIO, PE DATE

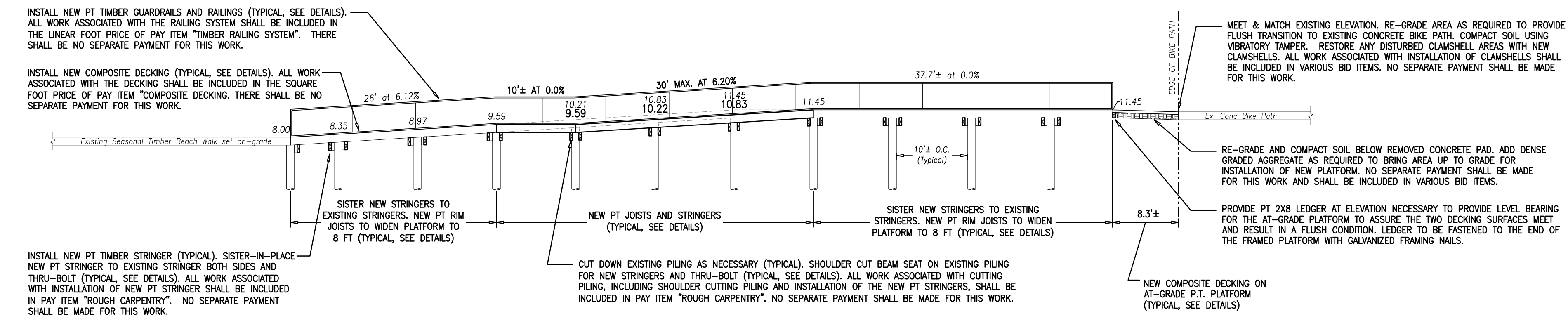
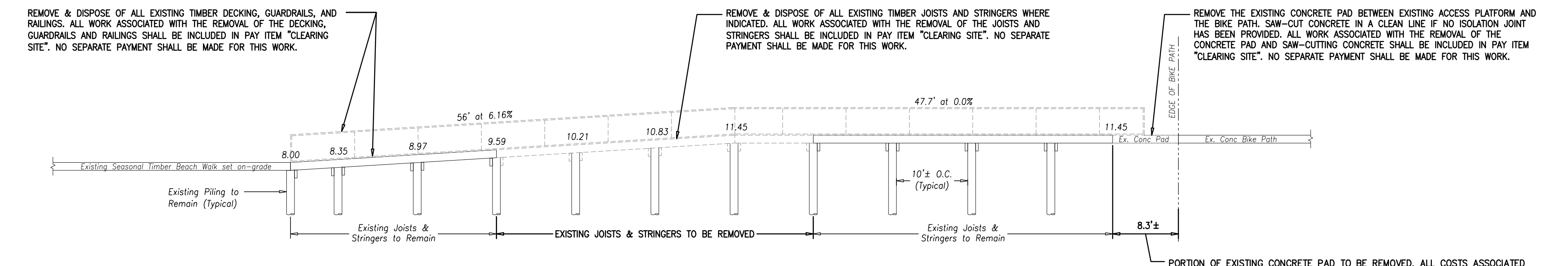
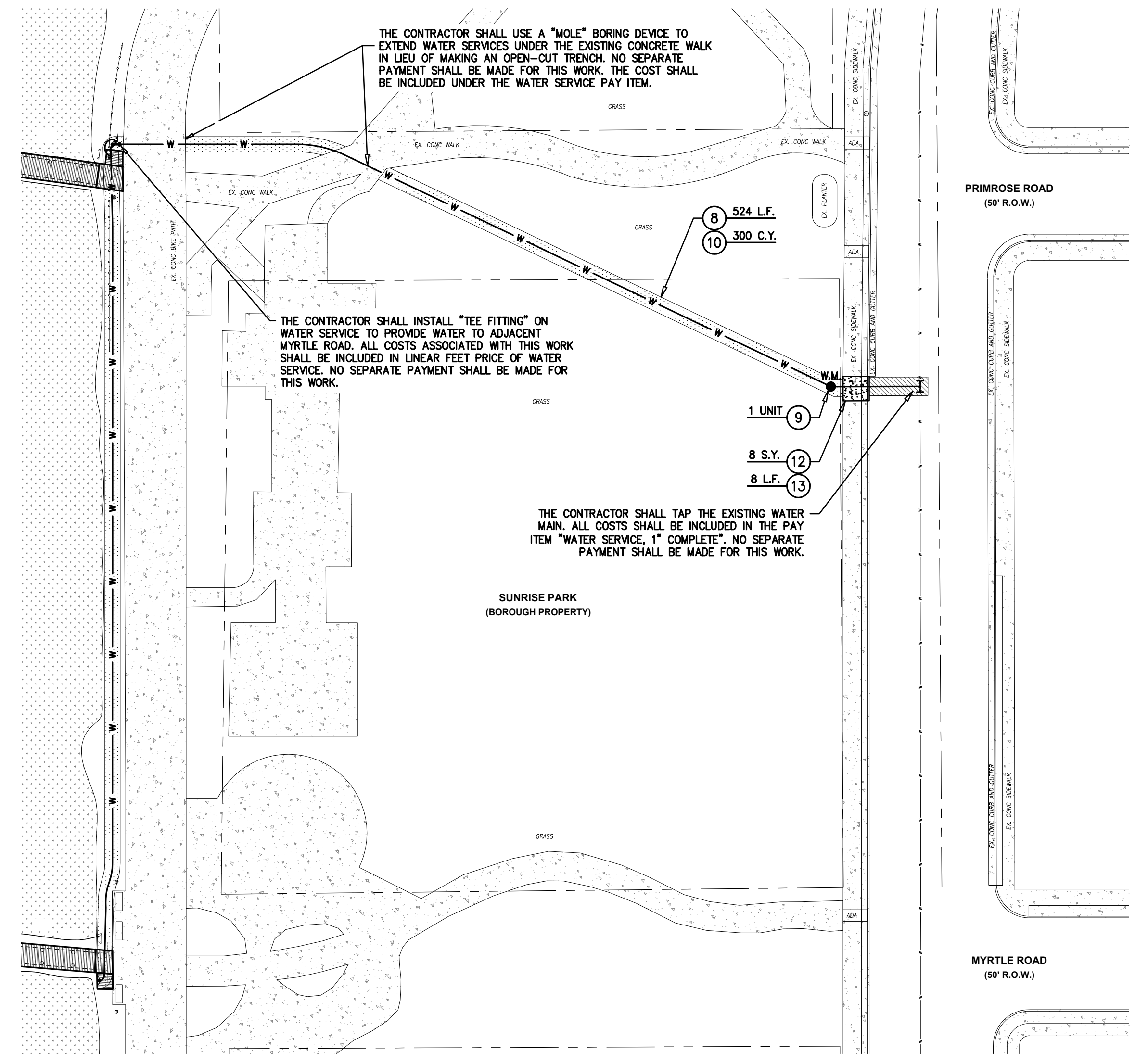
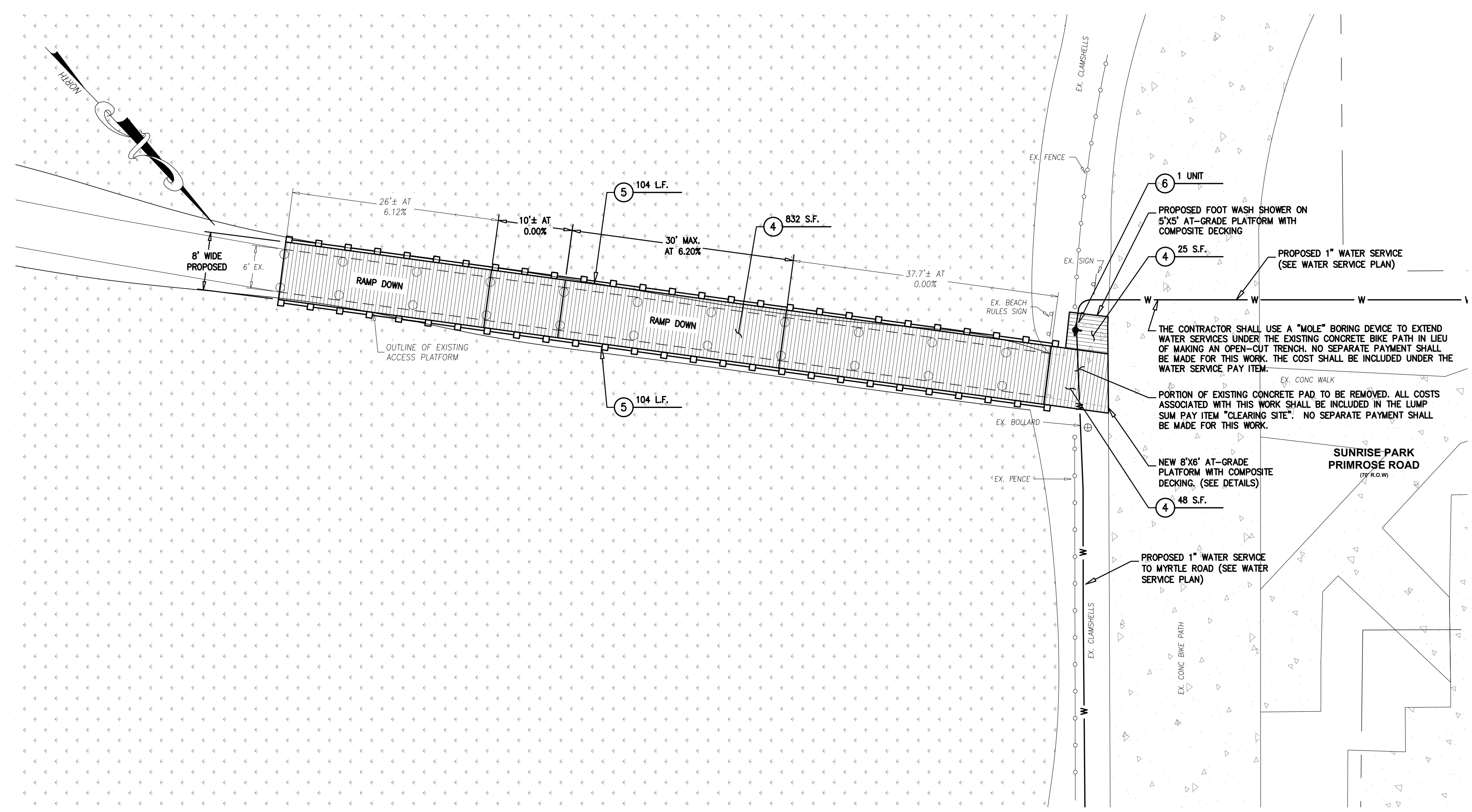
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ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
4	COMPOSITE DECKING	S.F.	905	
5	TIMBER RAILING SYSTEM	L.F.	208	
6	ADA WASHING SHOWER, FURNISH AND INSTALL	UNIT	1	
8	WATER SERVICE, 1" - WASHING SHOWER	L.F.	524	
9	WATER SERVICE, 1" - COMPLETE	UNIT	1	
10	SELECT FILL	C.Y.	300	
12	CONCRETE SIDEWALK, 4" THICK	S.Y.	8	
13	8"x18" CONCRETE VERTICAL CURB	L.F.	8	



UTILITY NOTES:

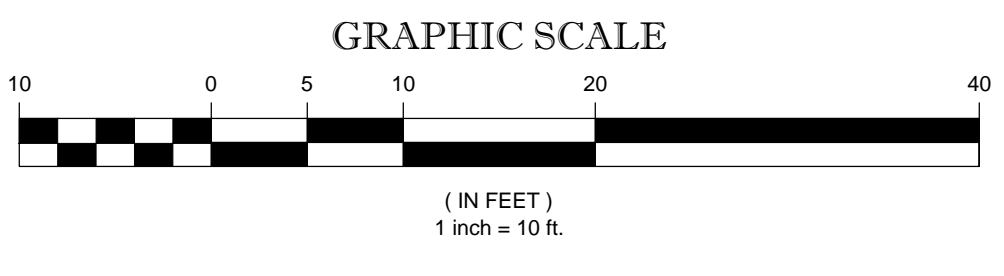
- THE CONTRACTOR SHALL USE A "MOLE" BORING DEVICE TO EXTEND WATER SERVICE LATERALS UNDER THE EXISTING CONCRETE BIKE PATH IN PLACE OF MAKING AN OPEN-CUT TRENCH. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK. THE COST SHALL BE INCLUDED UNDER THE WATER SERVICE PAY ITEM.
- ALL 1" WATER SERVICES SHALL BE POLYETHYLENE, IPS 200 PSI.
- THE WILDWOOD WATER UTILITY SPECIFICATIONS SUPERCEDE THESE PLANS AND SPECIFICATIONS FOR THE WORK ASSOCIATED WITH THE WATER SYSTEM IMPROVEMENTS.

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 09/27/2023.
- 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 BOROUGH OF WILDWOOD CREST, CAPE MAY COUNTY, NEW JERSEY. SAID LINES ARE SHOWN FOR GRAPHICAL INFORMATION ONLY AND HAVE NOT BEEN FIELD VERIFIED.

LEGEND

- 10.00 TOP OF DECK ELEVATION (EXISTING)
- 10.00 TOP OF DECK ELEVATION (PROPOSED)



PLAN (PRIMROSE ROAD)

DeBlasio & Associates
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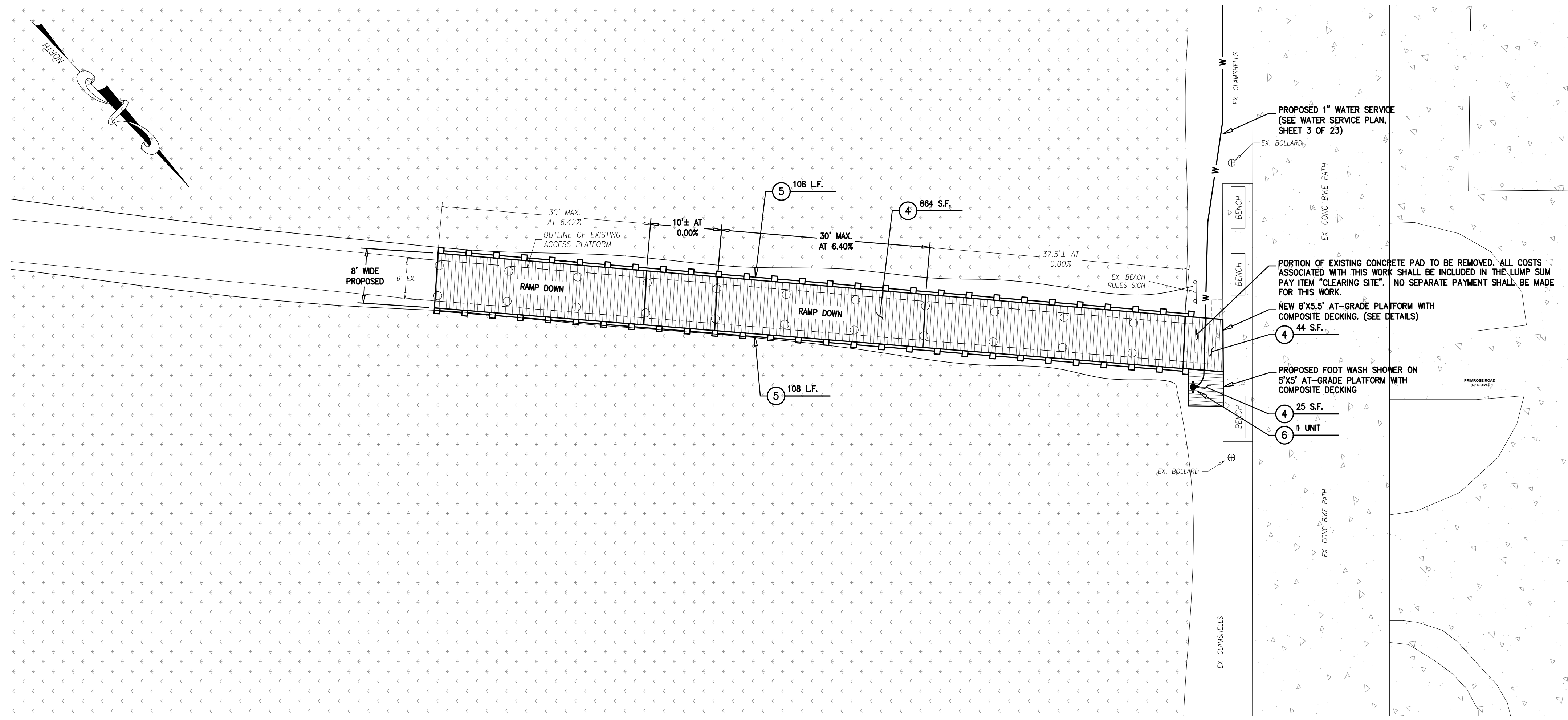
BEACH STREET END PUBLIC ACCESS IMPROVEMENTS - PHASE 3
BOROUGH OF WILDWOOD CREST
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
J.M.	J.M.	MAD	1/9/2024

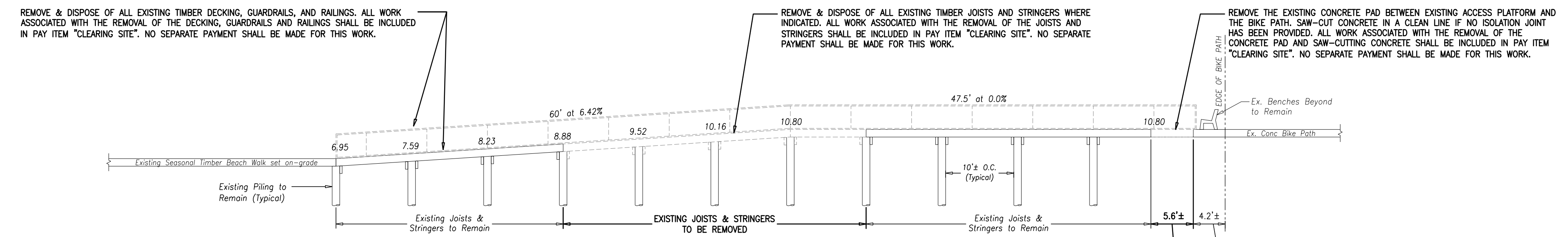
Marc A. DeBlasio 1/9/2024
MARC A. DEBLASIO, PE DATE
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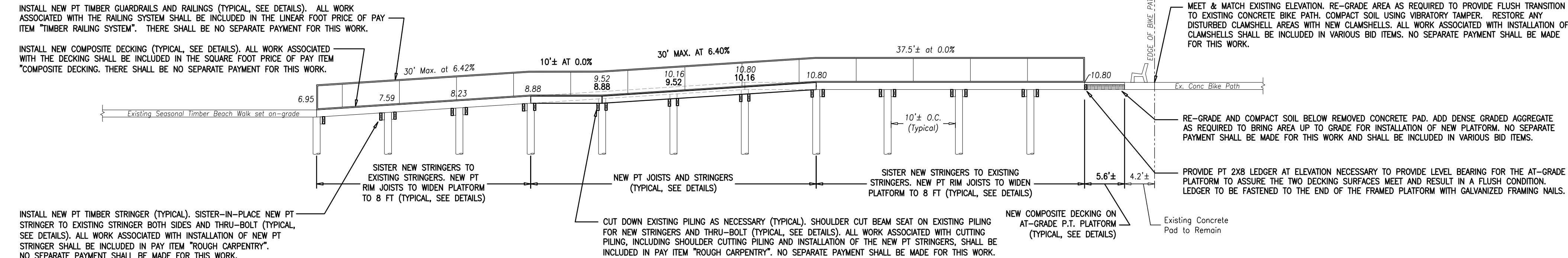
ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
4	COMPOSITE DECKING	S.F.	933	
5	TIMBER RAILING SYSTEM	L.F.	216	
6	ADA WASHING SHOWER, FURNISH AND INSTALL	UNIT	1	



PLAN
SCALE : 1"=10'



EXISTING PLATFORM SECTION
SCALE : 1"=10'



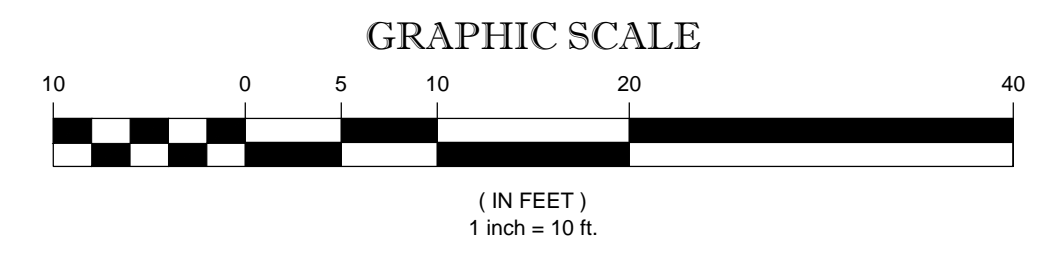
PROPOSED PLATFORM SECTION
SCALE : 1"=10'

LEGEND

- 10.00 TOP OF DECK ELEVATION (EXISTING)
- 10.00 TOP OF DECK ELEVATION (PROPOSED)

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**PLAN
(MYRTLE ROAD)**

**DEBLASIO &
ASSOCIATES**

CONSULTING ENGINEERS AND PLANNERS

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**BEACH STREET END PUBLIC
ACCESS IMPROVEMENTS - PHASE 3
BOROUGH OF WILDWOOD CREST
CAPE MAY COUNTY, NEW JERSEY**

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J.M.	J.M.	MAD	1/9/2024

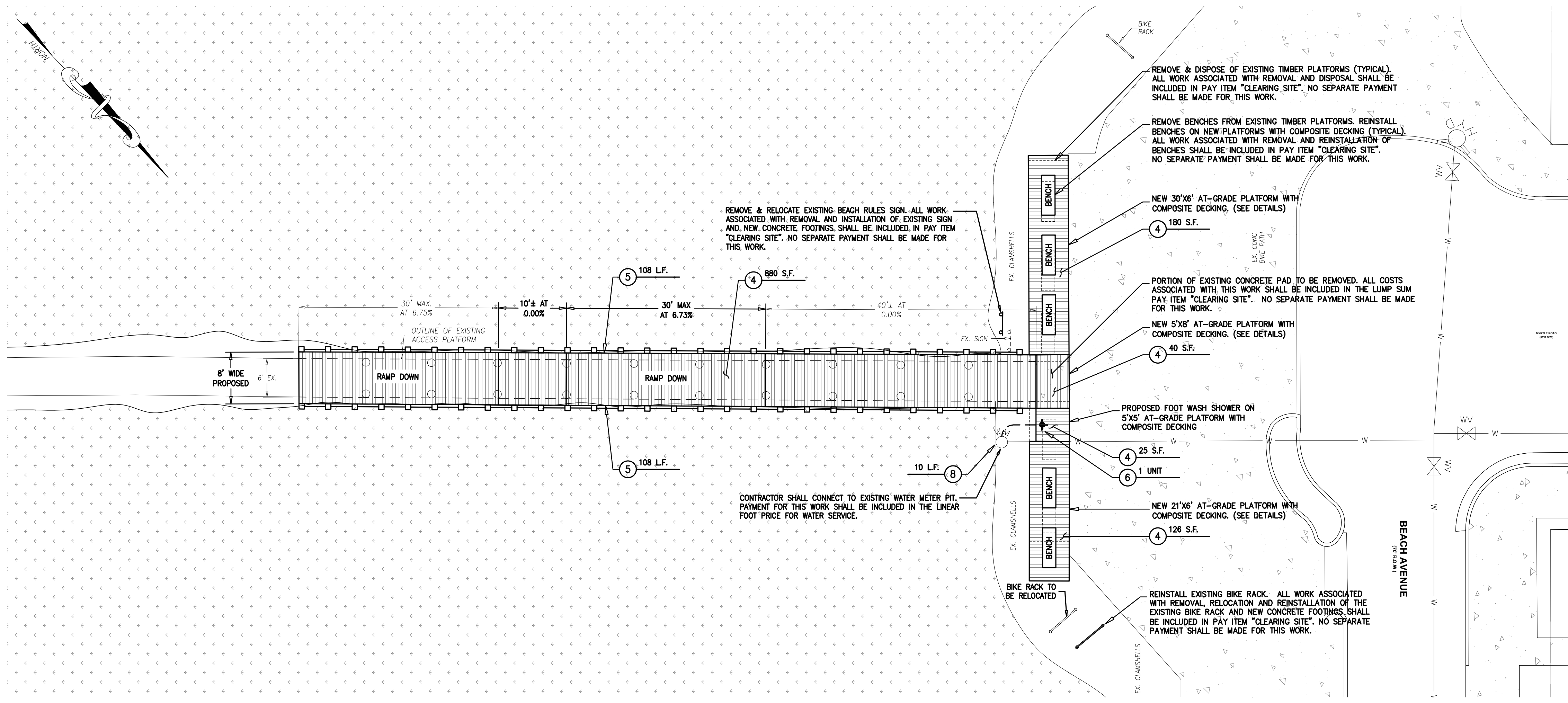
Marc A. DeBlasio 1/9/2024
MARC A. DEBLASIO, PE DATE

New Jersey License No. 41599

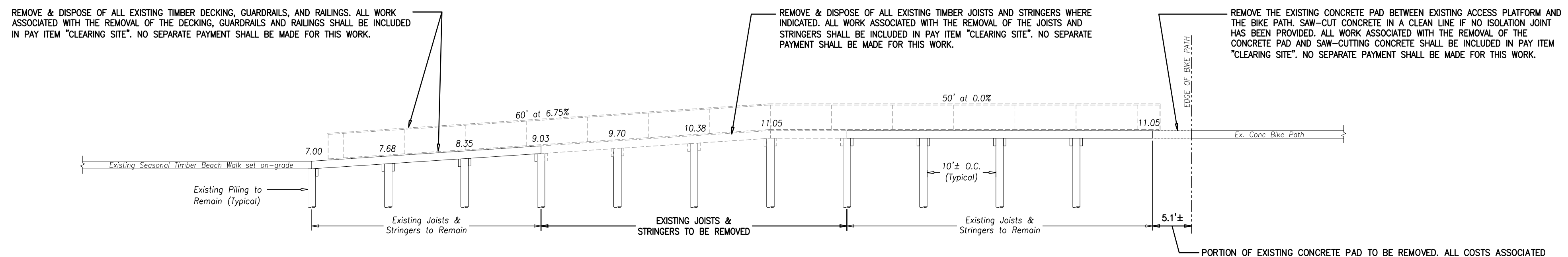
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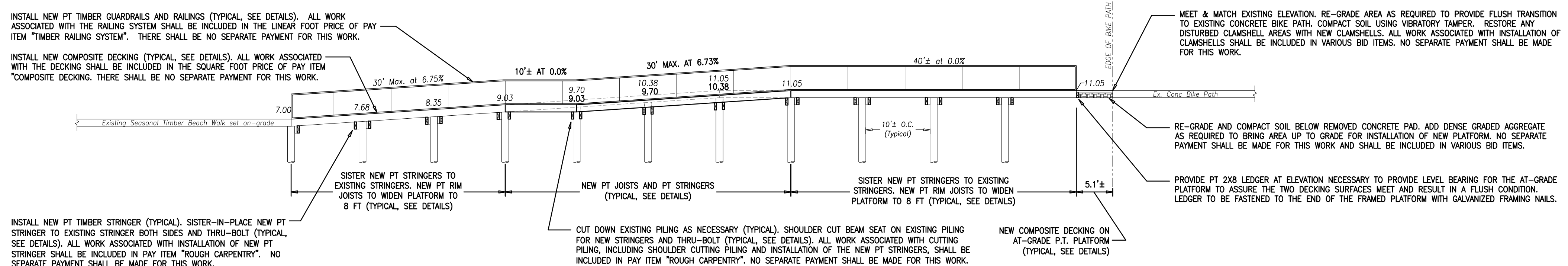
ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
4	COMPOSITE DECKING	S.F.	1,251	
5	TIMBER RAILING SYSTEM	L.F.	216	
6	ADA WASHING SHOWER, FURNISH AND INSTALL	UNIT	1	
8	WATER SERVICE, 1" - WASHING SHOWER	L.F.	10	



PLAN
SCALE : 1"=10'



EXISTING PLATFORM SECTION
SCALE : 1"=10'



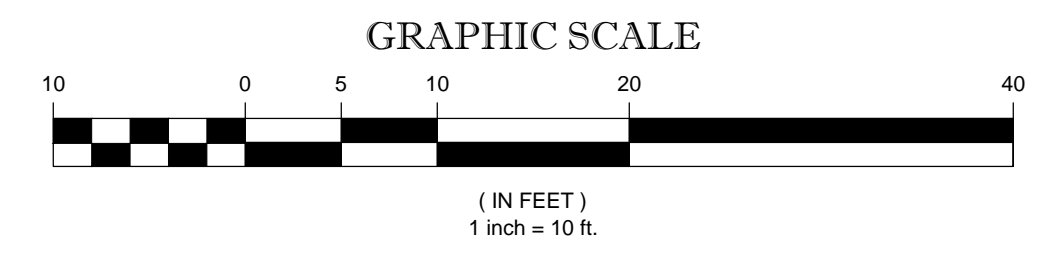
PROPOSED PLATFORM SECTION
SCALE : 1"=10'

LEGEND

- 10.00 TOP OF DECK ELEVATION (EXISTING)
- 10.00 TOP OF DECK ELEVATION (PROPOSED)

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PLAN (LOTUS ROAD)

DEBLASIO & ASSOCIATES
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PHONE (609) 854-3311
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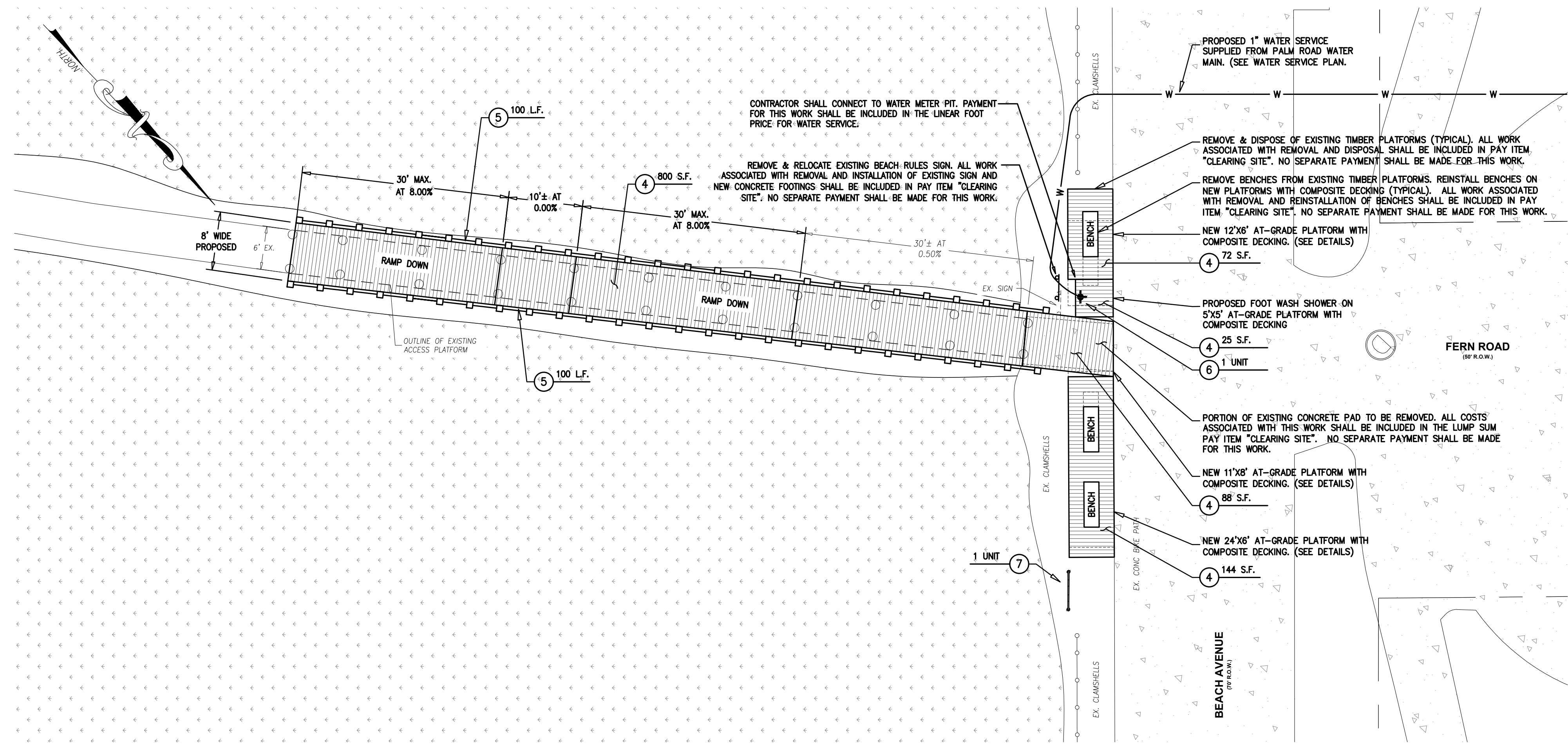
BEACH STREET END PUBLIC ACCESS IMPROVEMENTS - PHASE 3
BOROUGH OF WILDWOOD CREST
CAPE MAY COUNTY, NEW JERSEY

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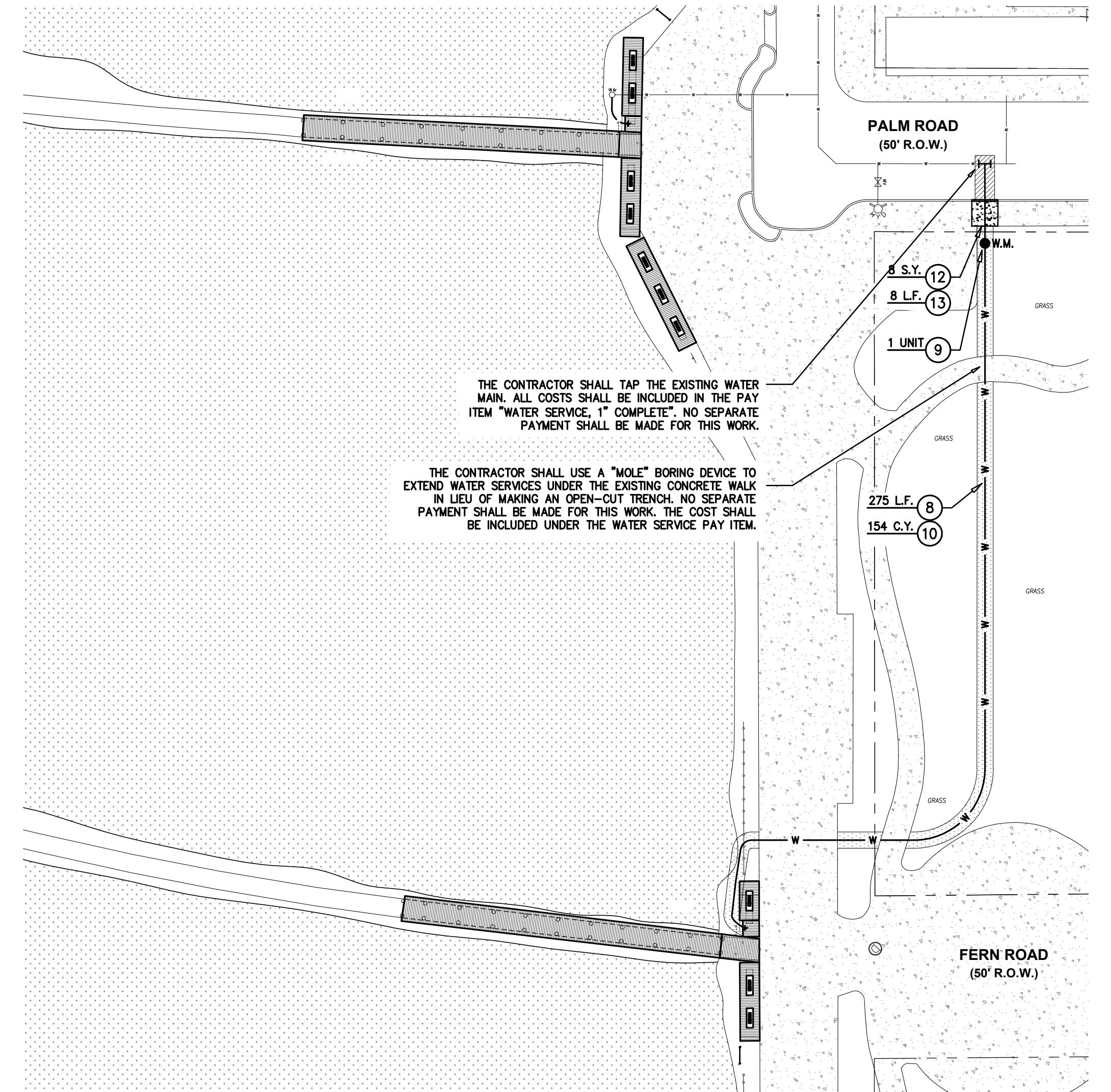
Marc DeBlasio 1/9/2024
MARC A. DEBLASIO, PE DATE
New Jersey License No. 41599

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AS NOTED	WW-C-045	5 / 23

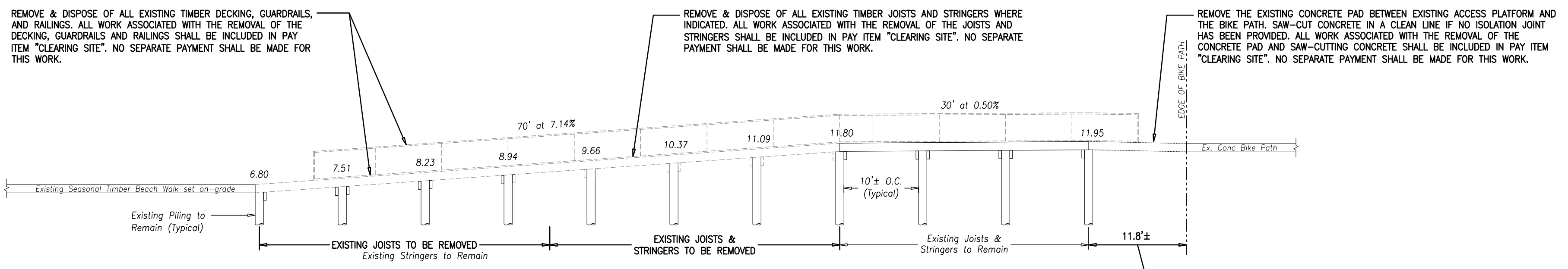
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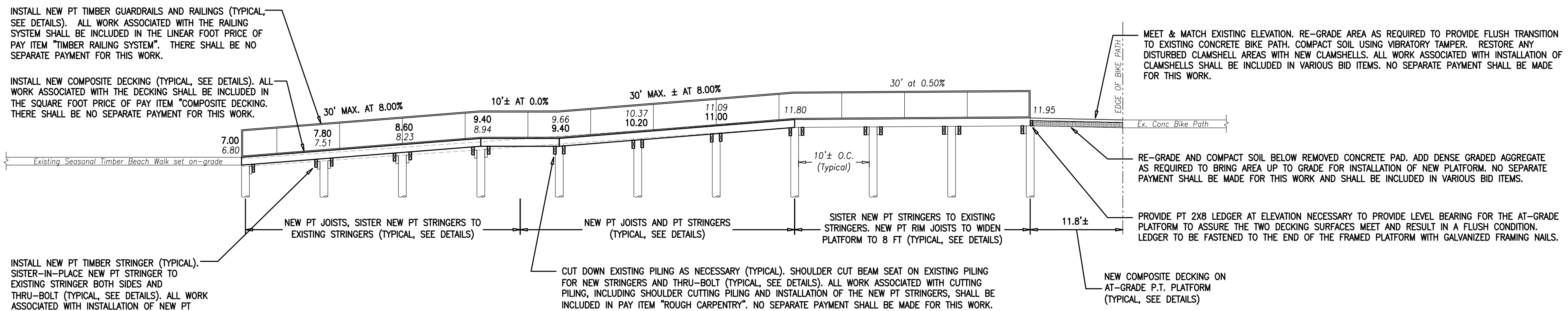
PLAN
SCALE : 1"=10'



WATER SERVICE PLAN
SCALE : 1"=30'



EXISTING PLATFORM SECTION
SCALE : 1"=10'



PROPOSED PLATFORM SECTION
SCALE : 1"=10'

UTILITY NOTES:

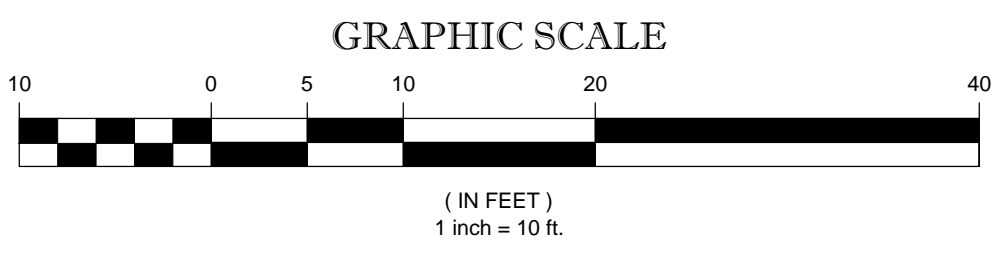
1. THE CONTRACTOR SHALL USE A "MOLE" BORING DEVICE TO EXTEND WATER SERVICE LATERALS UNDER THE EXISTING CONCRETE BIKE PATH IN PLACE OF MAKING AN OPEN-CUT TRENCH. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK. THE COST SHALL BE INCLUDED UNDER THE WATER SERVICE PAY ITEM.
2. ALL 1" WATER SERVICES SHALL BE POLYETHYLENE, IPS 200 PSI.
3. THE WILDWOOD WATER UTILITY SPECIFICATIONS SUPERCEDE THESE PLANS AND SPECIFICATIONS FOR THE WORK ASSOCIATED WITH THE WATER SYSTEM IMPROVEMENTS.

SURVEY NOTES:

1. 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 09/27/2023.
2. ELEVATIONS SHOWN HEREON ARE IN FEET AND REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
3. HORIZONTAL CONTROL IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM (NAD 1983).
4. PROPERTY AND RIGHT-OF-WAY LINES SHOWN ARE APPROXIMATE LOCATIONS BASED ON THE CURRENT TAX MAPS OF THE BOROUGH OF WILDWOOD CREST, CAPE MAY COUNTY, NEW JERSEY. SAID LINES ARE SHOWN FOR GRAPHICAL INFORMATION ONLY AND HAVE NOT BEEN FIELD VERIFIED.

LEGEND

- 10.00 TOP OF DECK ELEVATION (EXISTING)
- 10.00 TOP OF DECK ELEVATION (PROPOSED)



ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
4	COMPOSITE DECKING	S.F.	1,129	
5	TIMBER RAILING SYSTEM	L.F.	200	
6	ADA WASHING SHOWER, FURNISH AND INSTALL	UNIT	1	
7	BICYCLE RACK, FURNISH AND INSTALL	UNIT	1	
8	WATER SERVICE, 1" - WASHING SHOWER	L.F.	275	
9	WATER SERVICE, 1" - COMPLETE	UNIT	1	
10	SELECT FILL	C.Y.	155	
12	CONCRETE SIDEWALK, 4" THICK	S.Y.	8	
13	8"x18" CONCRETE VERTICAL CURB	L.F.	8	

PLAN (FERN ROAD)

DeBlasio & Associates
CONSULTING ENGINEERS AND PLANNERS

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

BEACH STREET END PUBLIC ACCESS IMPROVEMENTS - PHASE 3
BOROUGH OF WILDWOOD CREST
CAPE MAY COUNTY, NEW JERSEY

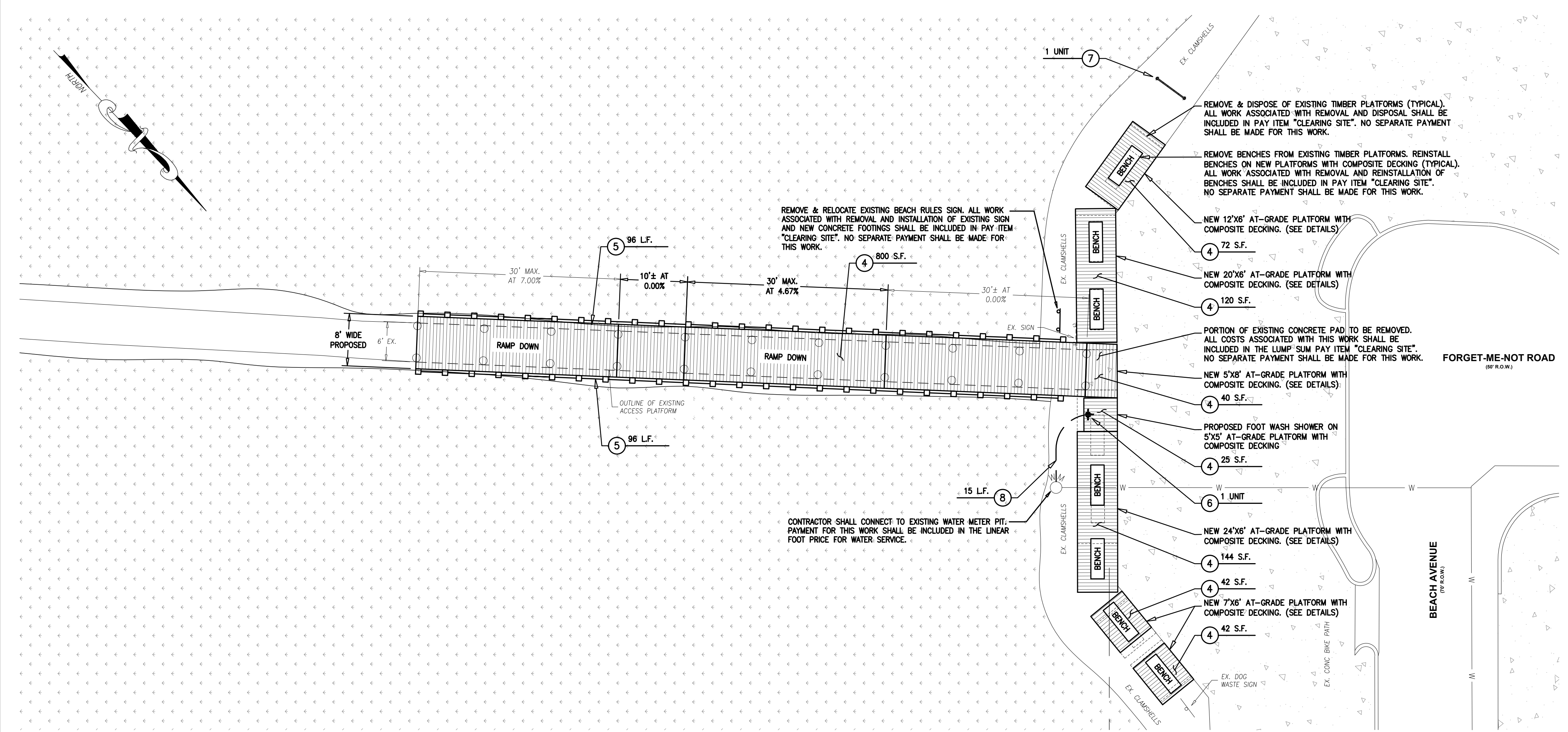
Design:	Drawn:	Check:	Date:
J.M.	J.M.	MAD	1/9/2024

Marc A. DeBlasio 1/9/2024
MARC A. DEBLASIO, PE DATE
New Jersey License No. 41599

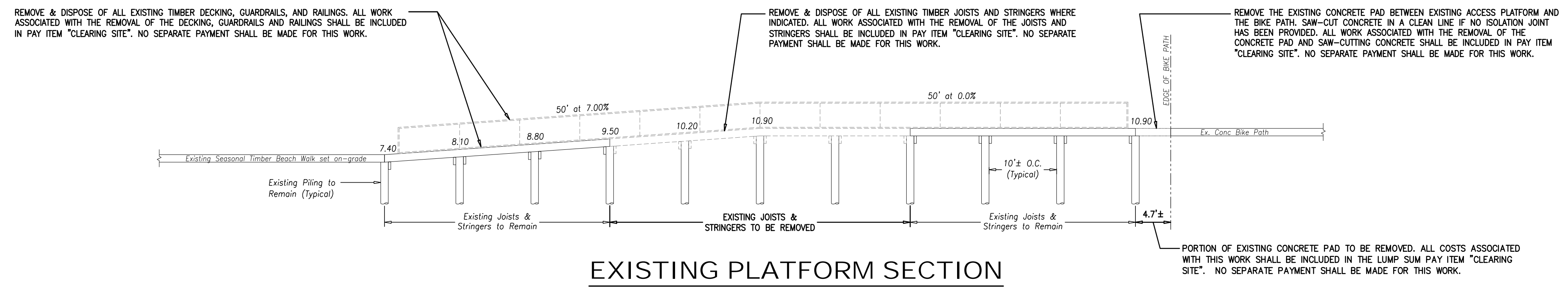
NO.	DATE	APPR.	REVISION

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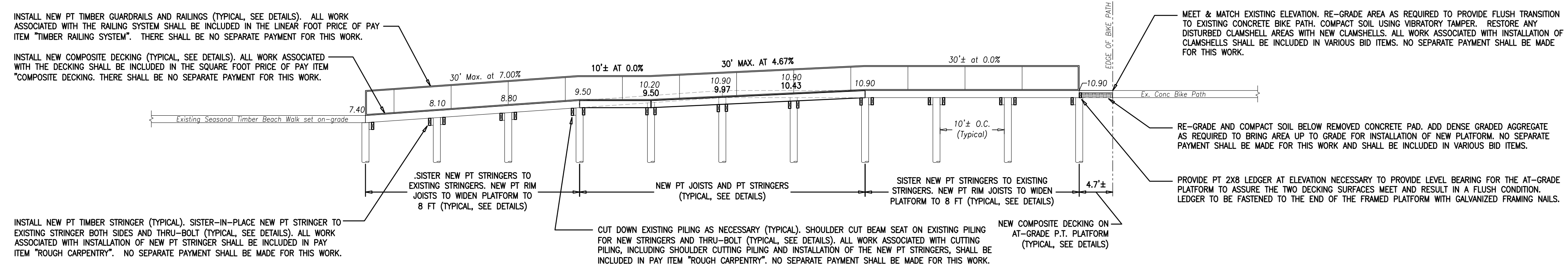
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4	COMPOSITE DECKING	S.F.	1,285	
5	TIMBER RAILING SYSTEM	L.F.	192	
6	ADA WASHING SHOWER, FURNISH AND INSTALL	UNIT	1	
7	BICYCLE RACK, FURNISH AND INSTALL	UNIT	1	
8	WATER SERVICE, 1" - WASHING SHOWER	L.F.	15	



PLAN
SCALE : 1"=10'



EXISTING PLATFORM SECTION
SCALE : 1"=10'



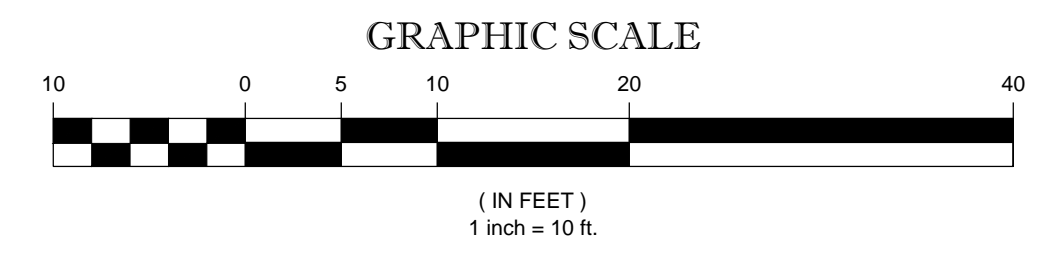
PROPOSED PLATFORM SECTION
SCALE : 1"=10'

LEGEND

- 10.00 TOP OF DECK ELEVATION (EXISTING)
- 10.00 TOP OF DECK ELEVATION (PROPOSED)

SURVEY NOTES:

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PLAN (FORGET-ME-NOT ROAD)

DEBLASIO & ASSOCIATES
CONSULTING ENGINEERS AND PLANNERS

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Certification of Authorization No. 24GA28284900

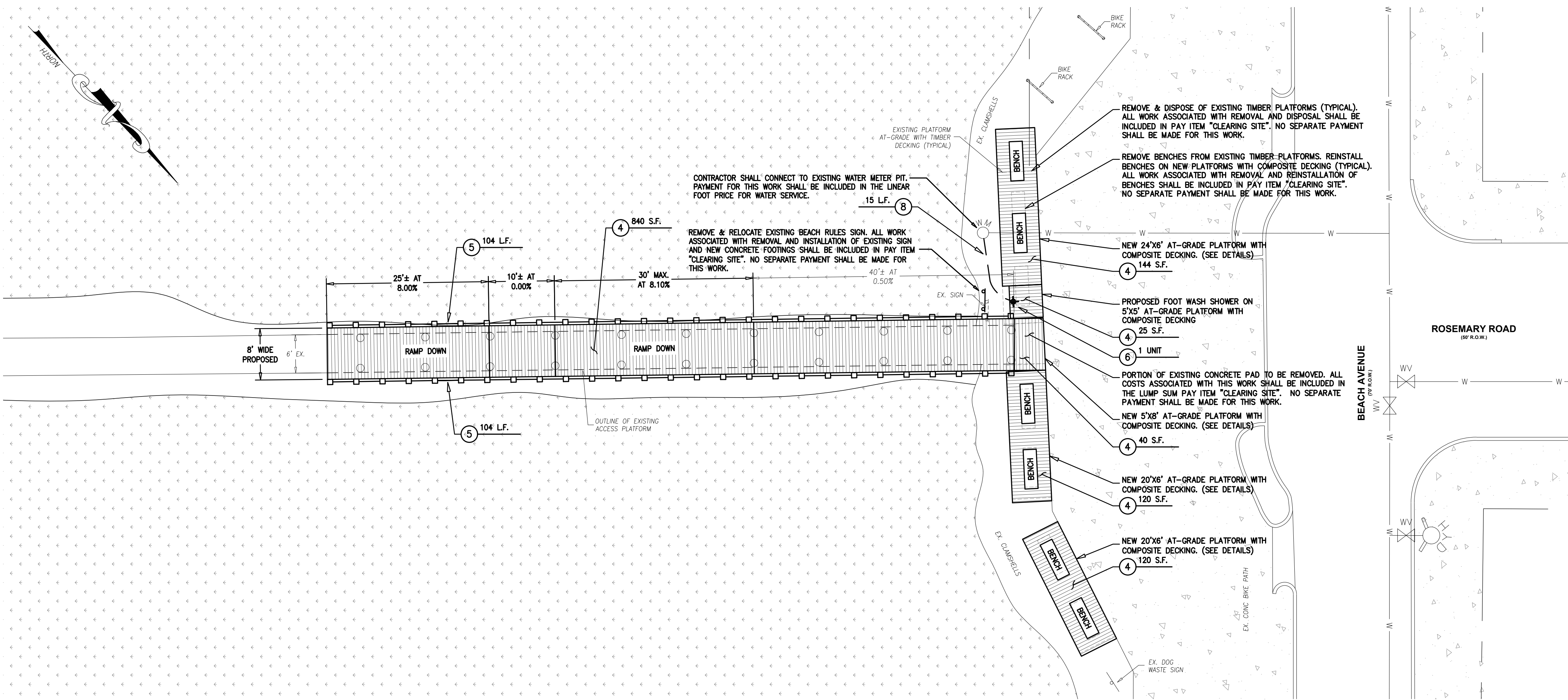
BEACH STREET END PUBLIC ACCESS IMPROVEMENTS - PHASE 3 BOROUGH OF WILDWOOD CREST CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
J.M.	J.M.	MAD	1/9/2024

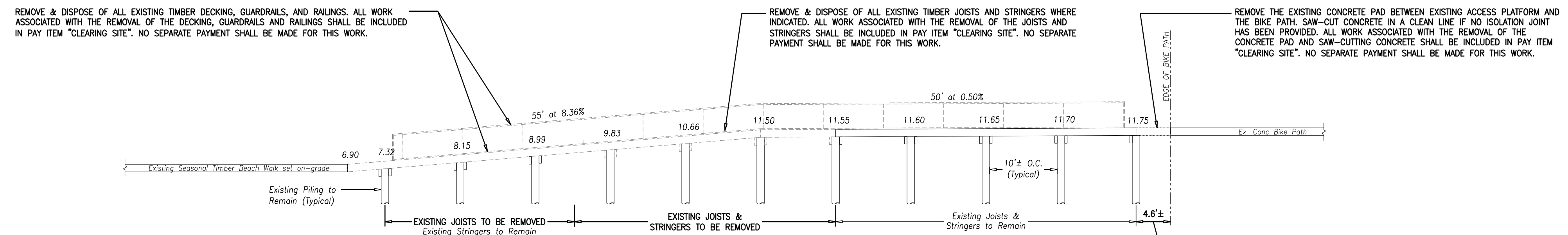
Marc DeBlasio 1/9/2024
MARC A. DEBLASIO, PE DATE
New Jersey License No. 41599
Scale: AS NOTED 24GA-C-045 Sheet No: 9 Total: 23

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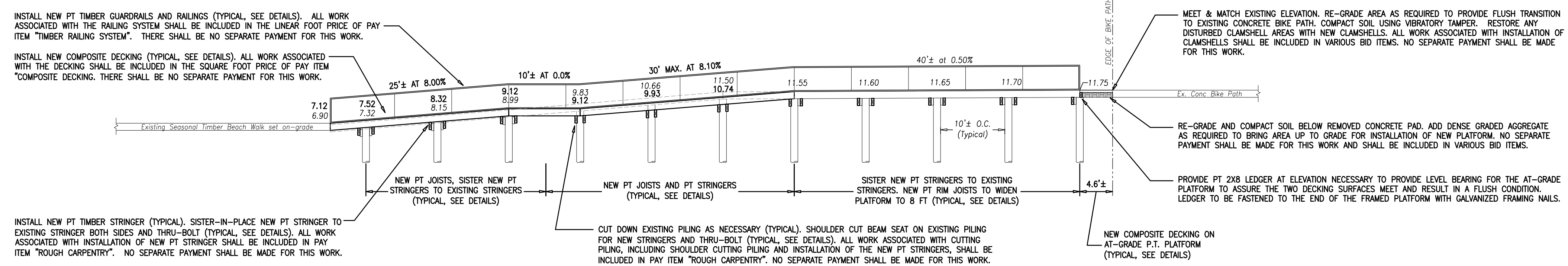
ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
4	COMPOSITE DECKING	S.F.	1,289	
5	TIMBER RAILING SYSTEM	L.F.	208	
6	ADA WASHING SHOWER, FURNISH AND INSTALL	UNIT	1	
8	WATER SERVICE, 1" - WASHING SHOWER	L.F.	15	



PLAN
SCALE : 1"=10'



EXISTING PLATFORM SECTION
SCALE : 1"=10'



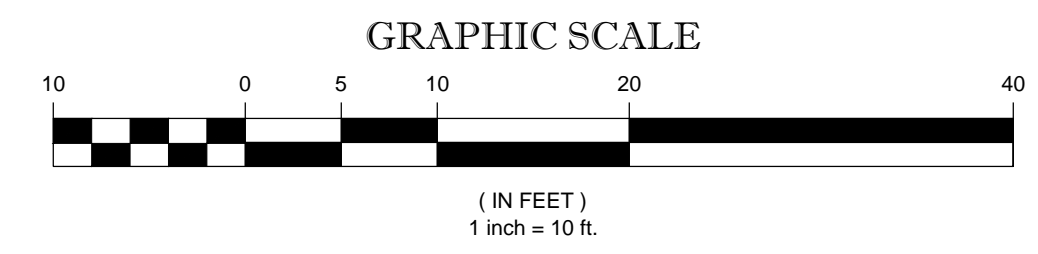
PROPOSED PLATFORM SECTION
SCALE : 1"=10'

LEGEND

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- 10.00 TOP OF DECK ELEVATION (PROPOSED)

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PLAN (ROSEMARY ROAD)

DEBLASIO & ASSOCIATES
CONSULTING ENGINEERS AND PLANNERS

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FAX (609) 854-4323
WWW.DEBLASIOASSOC.COM
Certification of Authorization No. 24GA28284900

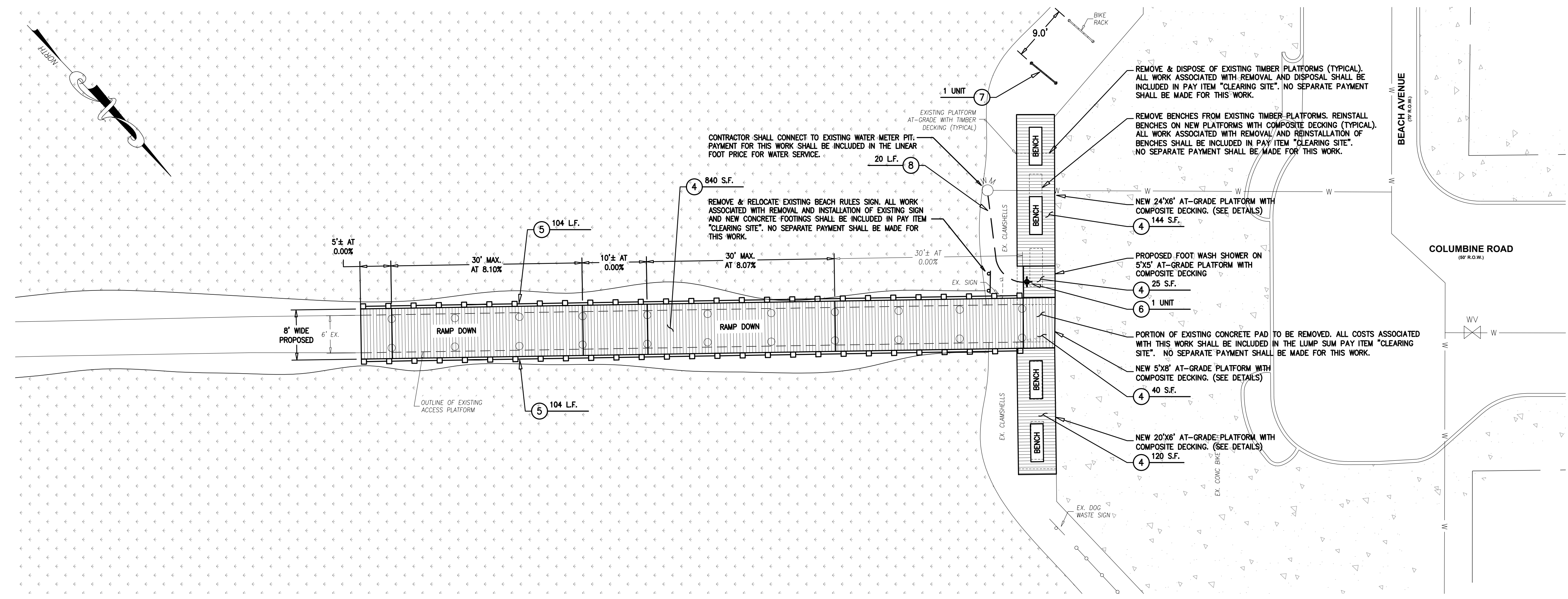
BEACH STREET END PUBLIC ACCESS IMPROVEMENTS - PHASE 3
BOROUGH OF WILDWOOD CREST
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
J.M.	J.M.	MAD	1/9/2024

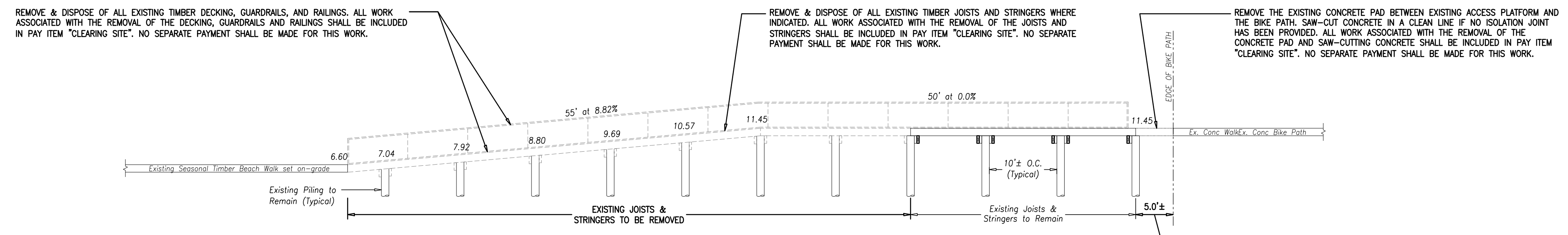
Marc DeBlasio 1/9/2024
MARC A. DEBLASIO, PE DATE
New Jersey License No. 41599
Scale: AS NOTED 200 No. 999-0-045 Sheet No. 9 Total 23

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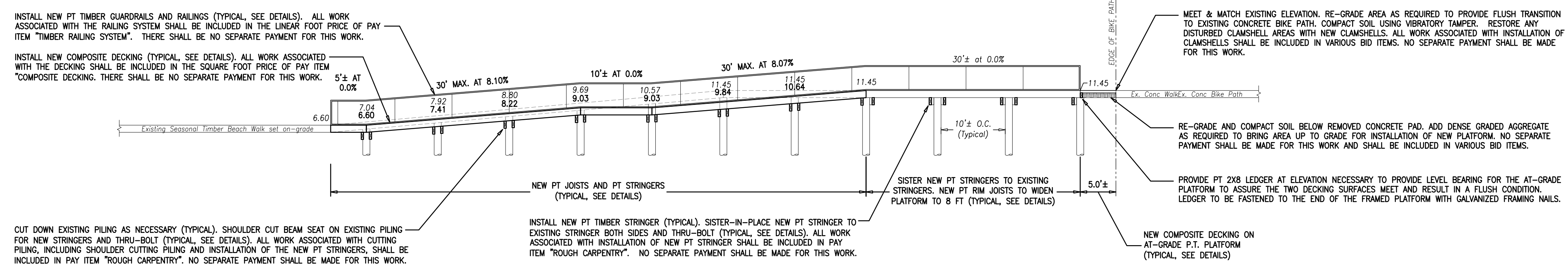
ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
4	COMPOSITE DECKING	S.F.	1,169	
5	TIMBER RAILING SYSTEM	L.F.	208	
6	ADA WASHING SHOWER, FURNISH AND INSTALL	UNIT	1	
7	BICYCLE RACK, FURNISH AND INSTALL	UNIT	1	
8	WATER SERVICE, 1" - WASHING SHOWER	L.F.	20	



PLAN
SCALE : 1"=10'



EXISTING PLATFORM SECTION
SCALE : 1"=10'



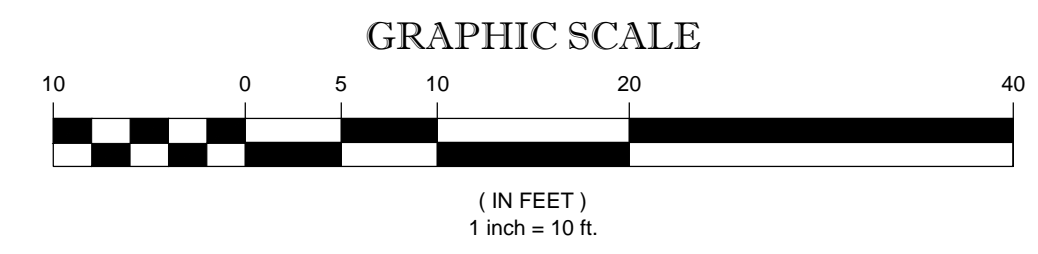
PROPOSED PLATFORM SECTION
SCALE : 1"=10'

LEGEND

- 10.00 TOP OF DECK ELEVATION (EXISTING)
- 10.00 TOP OF DECK ELEVATION (PROPOSED)

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PLAN (COLUMBINE ROAD)

DEBLASIO & ASSOCIATES
CONSULTING ENGINEERS AND PLANNERS

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PHONE (609) 854-3311
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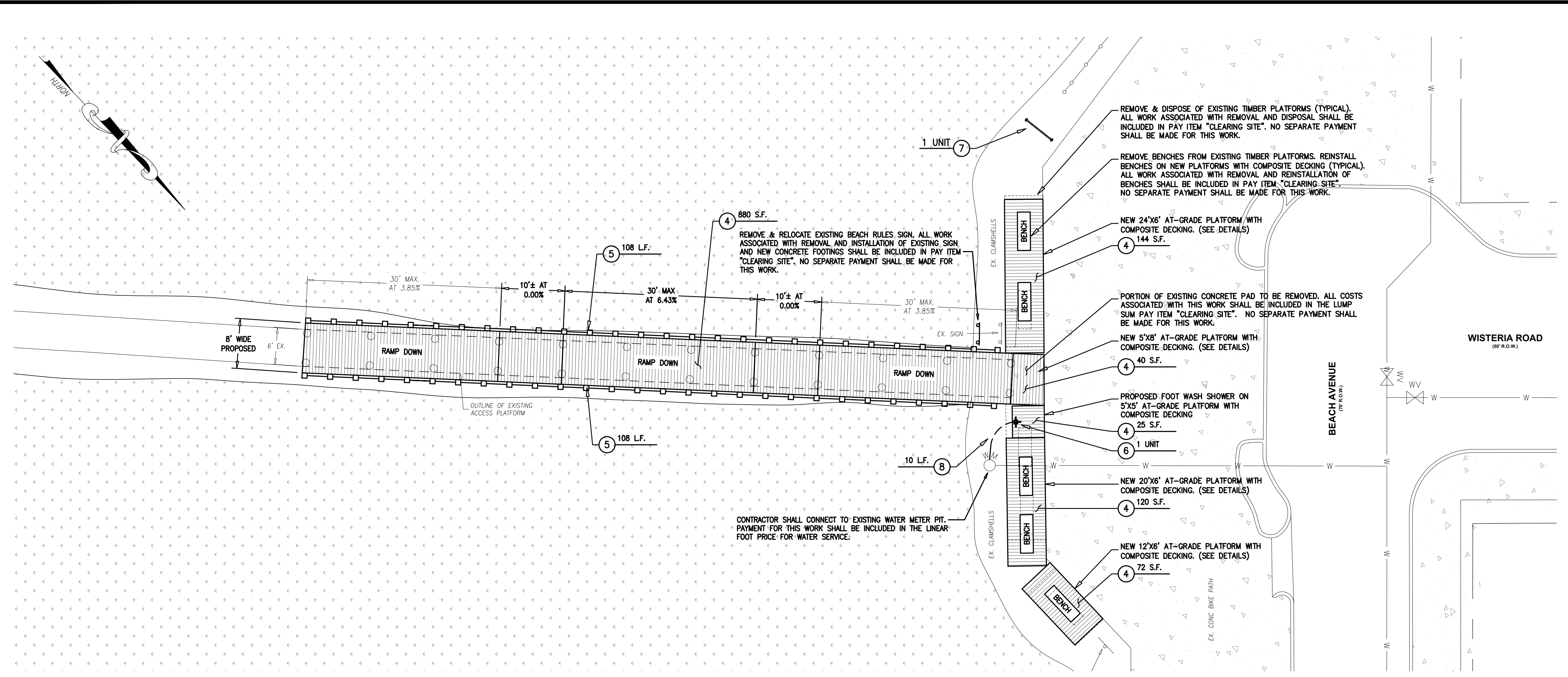
BEACH STREET END PUBLIC ACCESS IMPROVEMENTS - PHASE 3 BOROUGH OF WILDWOOD CREST CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
J.M.	J.M.	MAD	1/9/2024

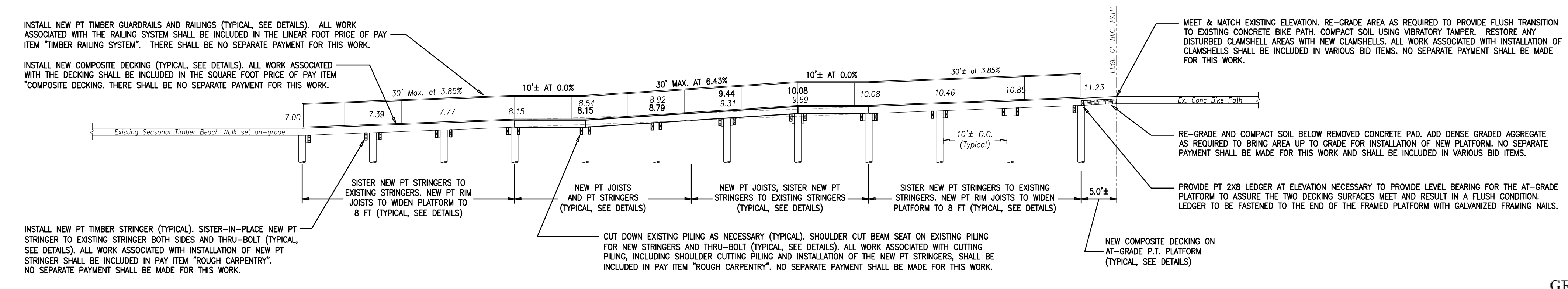
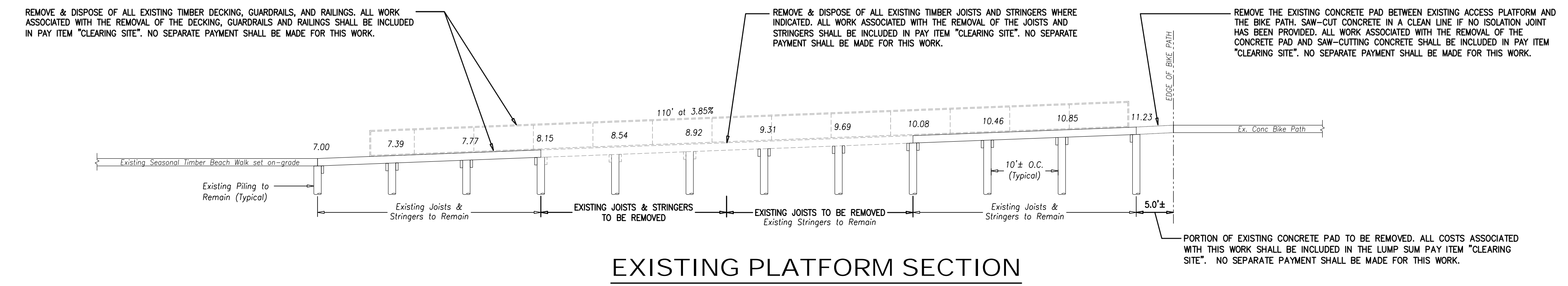
Marc DeBlasio 1/9/2024
MARC A. DEBLASIO, PE DATE
New Jersey License No. 41599
Scale: AS NOTED 200 No. 110 Sheet No. 10 Total 23

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ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
4	COMPOSITE DECKING	S.F.	1,281	
5	TIMBER RAILING SYSTEM	L.F.	216	
6	ADA WASHING SHOWER, FURNISH AND INSTALL	UNIT	1	
7	BICYCLE RACK, FURNISH AND INSTALL	UNIT	1	
8	WATER SERVICE, 1" - WASHING SHOWER	L.F.	10	



PLAN
SCALE: 1"=10'

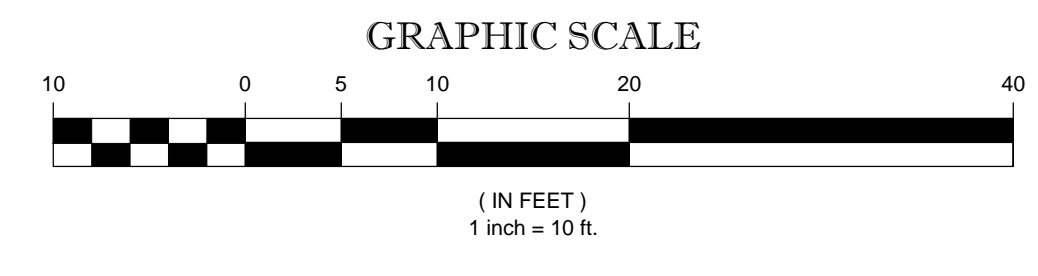


LEGEND

- 10.00 TOP OF DECK ELEVATION (EXISTING)
- 10.00 TOP OF DECK ELEVATION (PROPOSED)

SURVEY NOTES:

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PLAN (WISTERIA ROAD)

DEBLASIO & ASSOCIATES
CONSULTING ENGINEERS AND PLANNERS

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WILDWOOD, NJ 08260
PHONE (609) 854-3311
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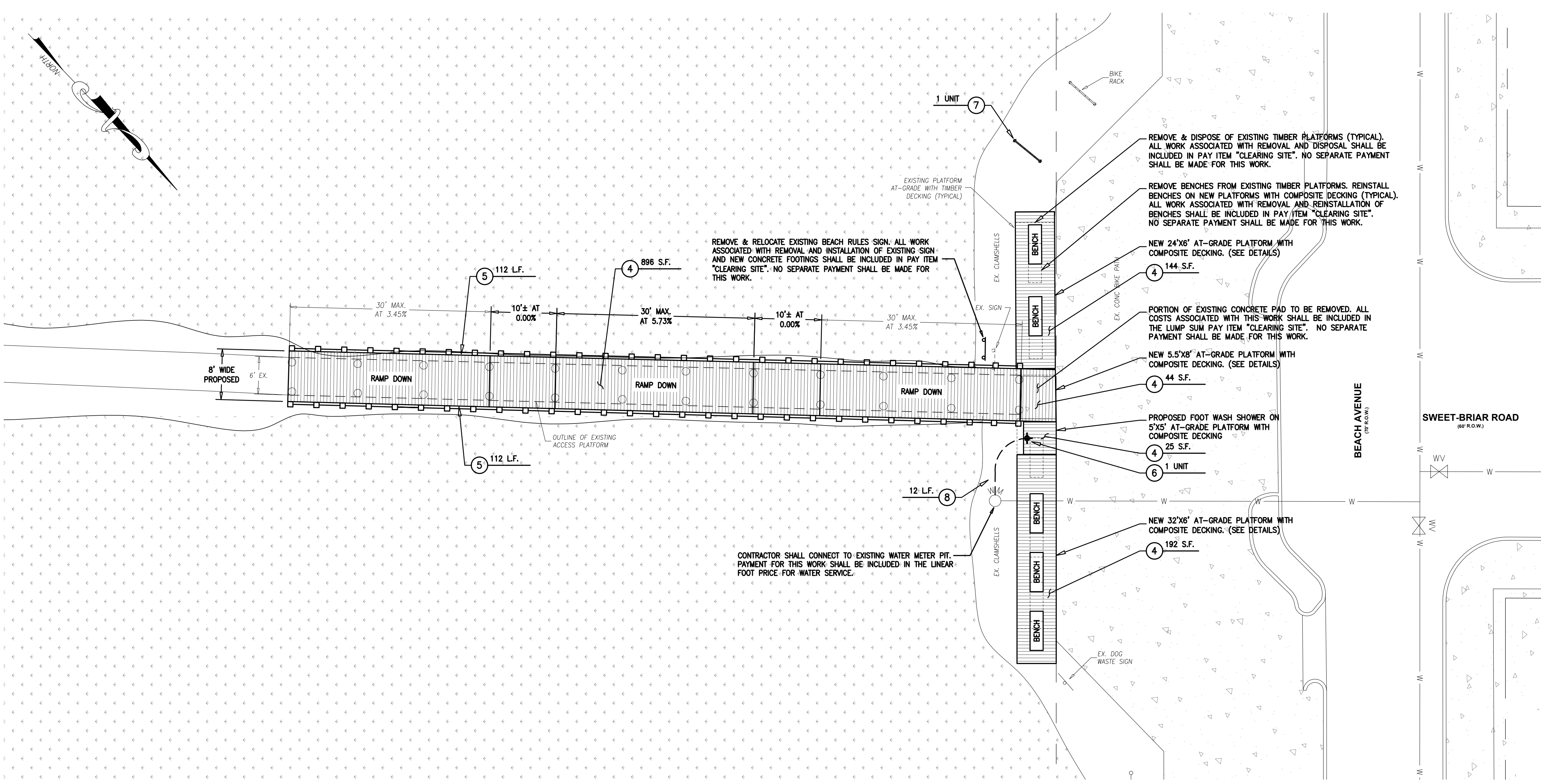
BEACH STREET END PUBLIC ACCESS IMPROVEMENTS - PHASE 3
BOROUGH OF WILDWOOD CREST
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
J.M.	J.M.	MAD	1/9/2024

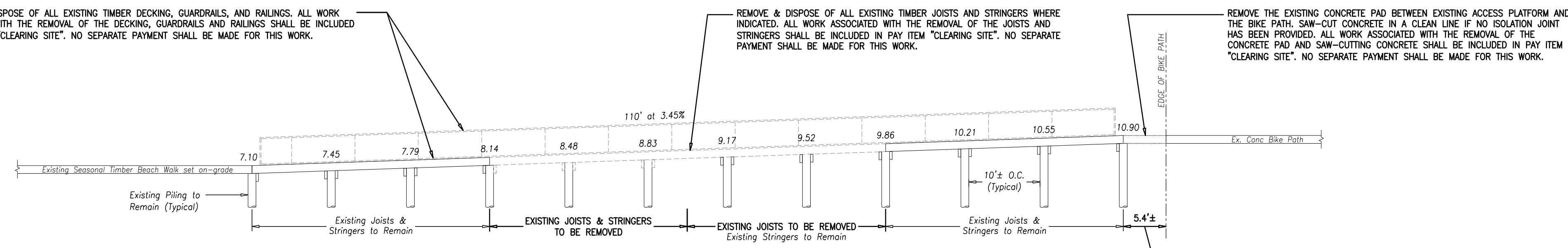
Marc DeBlasio 1/9/2024
MARC A. DEBLASIO, PE
New Jersey License No. 41599
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Sheet No.: WW-C-045
Sheet: 11
Total: 23

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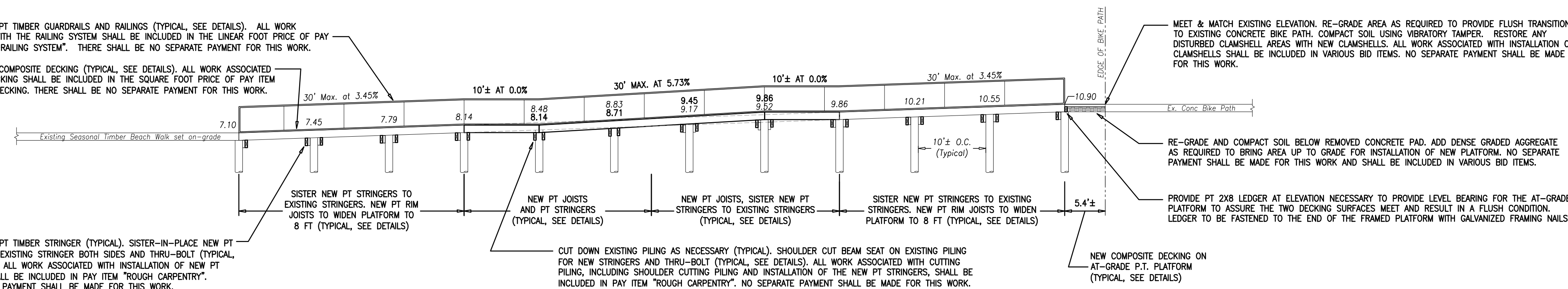
ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
4	COMPOSITE DECKING	S.F.	1,301	
5	TIMBER RAILING SYSTEM	L.F.	224	
6	ADA WASHING SHOWER, FURNISH AND INSTALL	UNIT	1	
7	BICYCLE RACK, FURNISH AND INSTALL	UNIT	1	
8	WATER SERVICE, 1" - WASHING SHOWER	L.F.	12	



PLAN
SCALE : 1"=10'



EXISTING PLATFORM SECTION
SCALE : 1"=10'



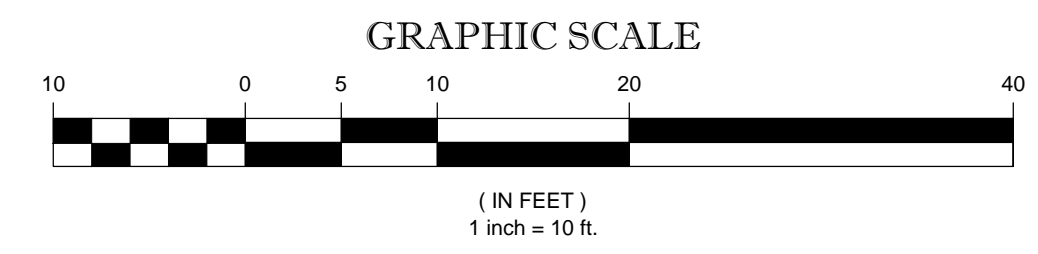
PROPOSED PLATFORM SECTION
SCALE : 1"=10'

LEGEND

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PLAN (SWEETBRIAR ROAD)

DEBLASIO & ASSOCIATES
CONSULTING ENGINEERS AND PLANNERS

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WILDWOOD, NJ 08260
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Certification of Authorization No. 24GA28284900

BEACH STREET END PUBLIC ACCESS IMPROVEMENTS - PHASE 3 BOROUGH OF WILDWOOD CREST CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
J.M.	J.M.	MAD	1/9/2024

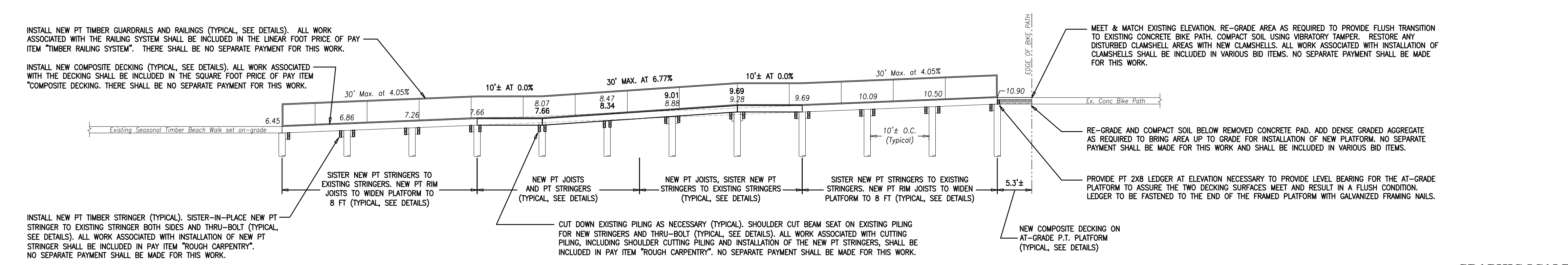
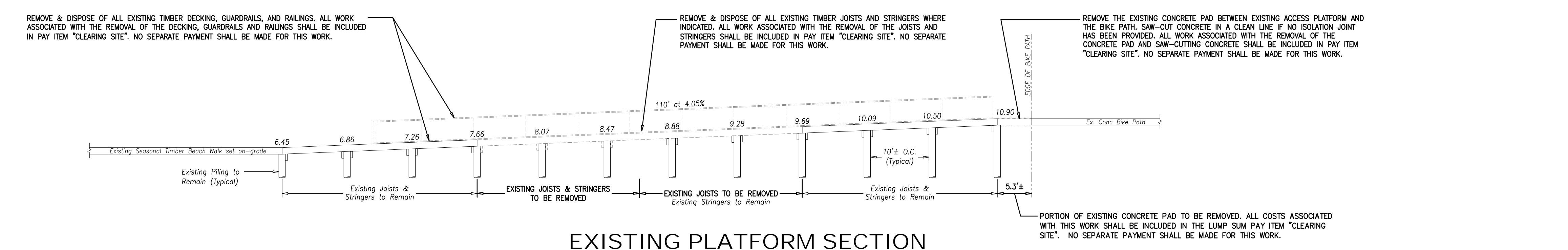
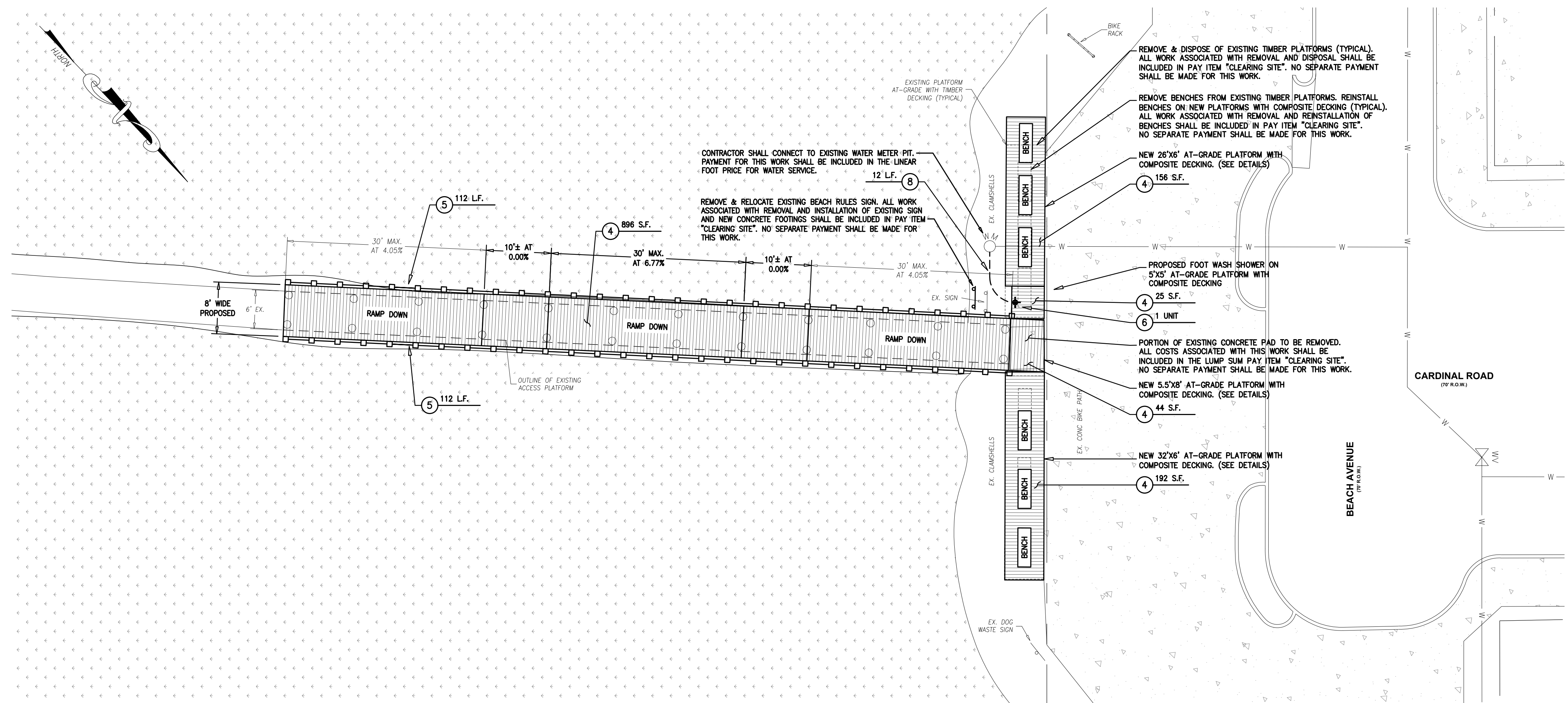
Marc DeBlasio 1/9/2024
MARC A. DEBLASIO, PE DATE
New Jersey License No. 41599

Scale:	Sheet No.:	Total:
AS NOTED	WW-C-045	12 / 23

NO. DATE APPR. REVISION

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4	COMPOSITE DECKING	S.F.	1,313	
5	TIMBER RAILING SYSTEM	L.F.	224	
6	ADA WASHING SHOWER, FURNISH AND INSTALL	UNIT	1	
8	WATER SERVICE, 1" - WASHING SHOWER	L.F.	12	

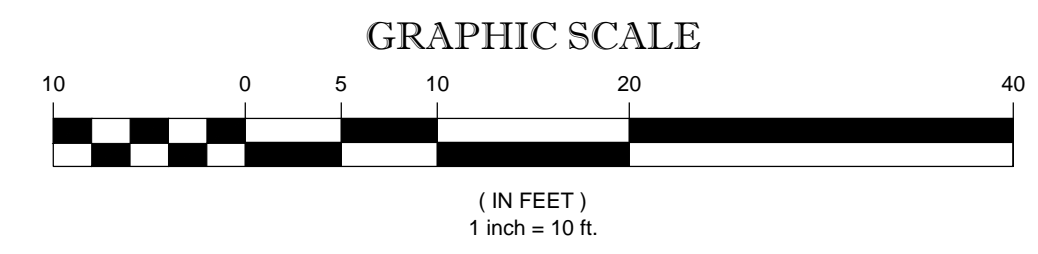


LEGEND

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PLAN (CARDINAL ROAD)

DEBLASIO & ASSOCIATES
CONSULTING ENGINEERS AND PLANNERS

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PHONE (609) 854-3311
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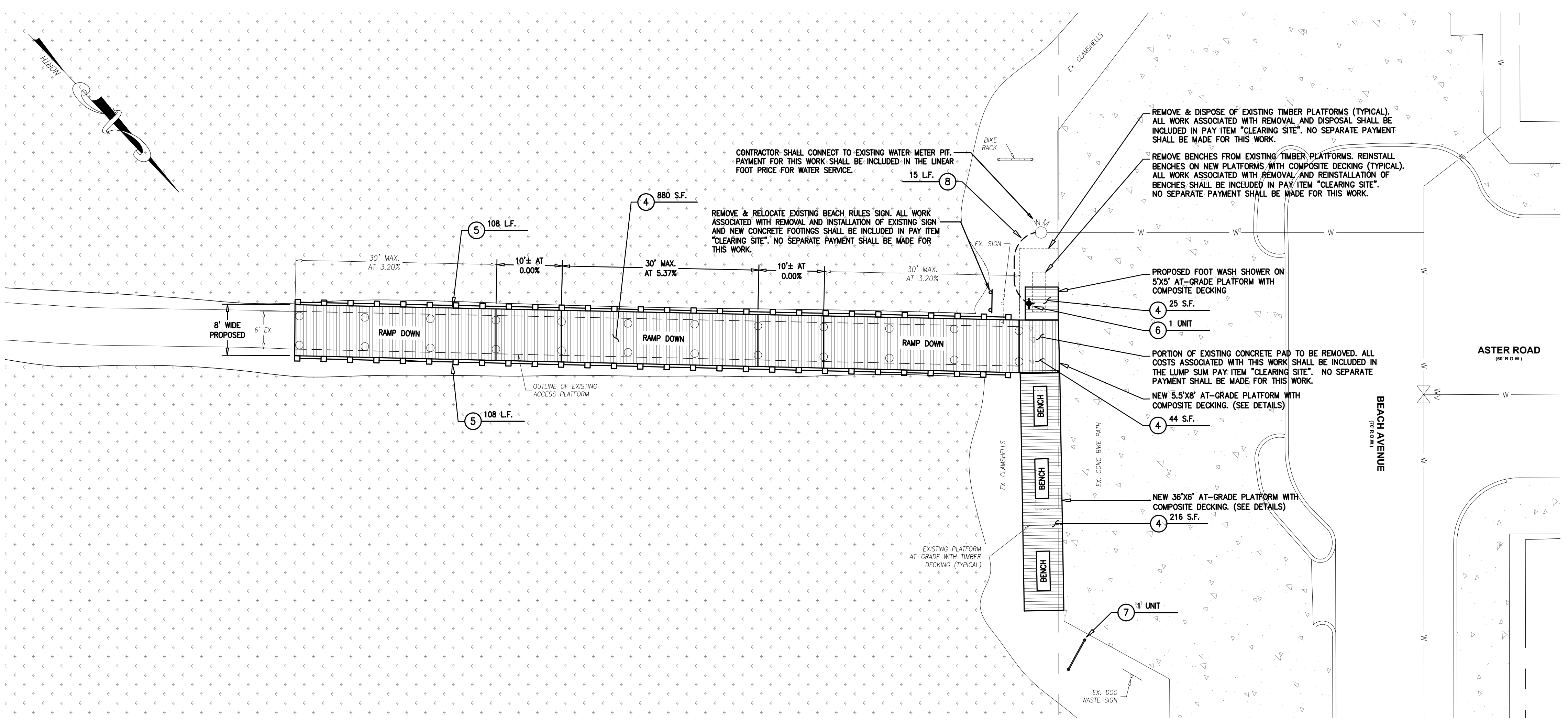
BEACH STREET END PUBLIC ACCESS IMPROVEMENTS - PHASE 3
BOROUGH OF WILDWOOD CREST
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
J.M.	J.M.	MAD	1/9/2024

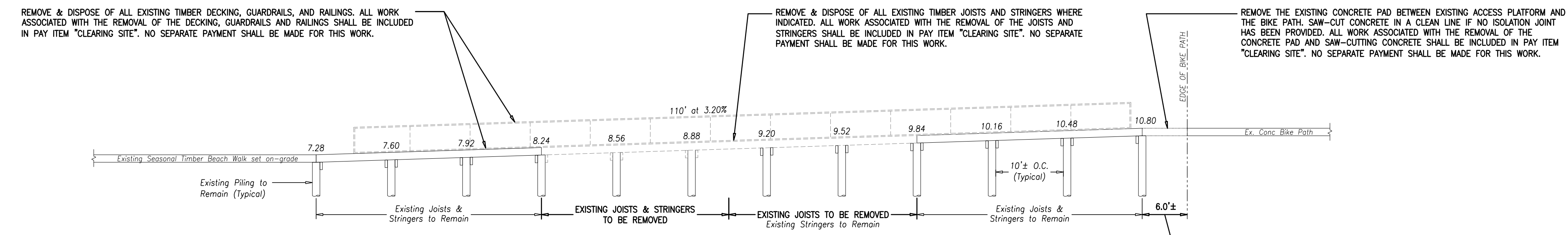
Marc DeBlasio 1/9/2024
MARC A. DEBLASIO, PE DATE
New Jersey License No. 41599
Scale: AS NOTED 300 No. 1:1 Sheet No. 13 of 23

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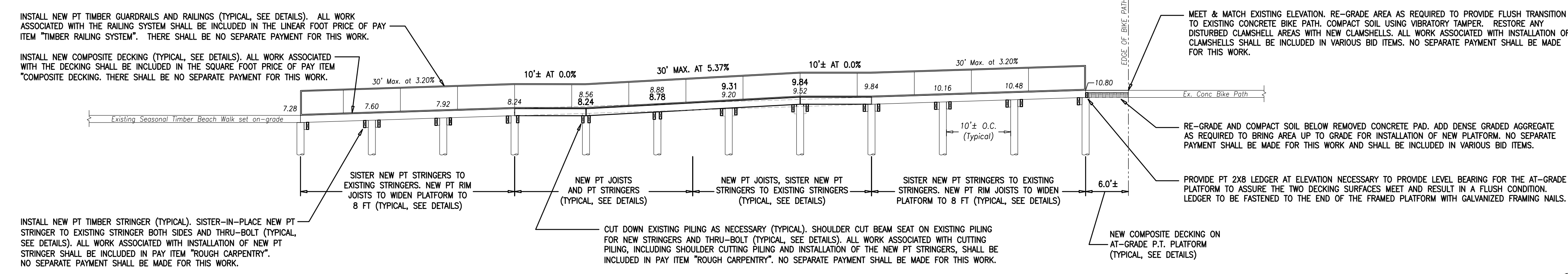
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4	COMPOSITE DECKING	S.F.	1,165	
5	TIMBER RAILING SYSTEM	L.F.	216	
6	ADA WASHING SHOWER, FURNISH AND INSTALL	UNIT	1	
7	BICYCLE RACK, FURNISH AND INSTALL	UNIT	1	
8	WATER SERVICE, 1" - WASHING SHOWER	L.F.	15	



PLAN
SCALE: 1"=10'



EXISTING PLATFORM SECTION
SCALE: 1"=10'



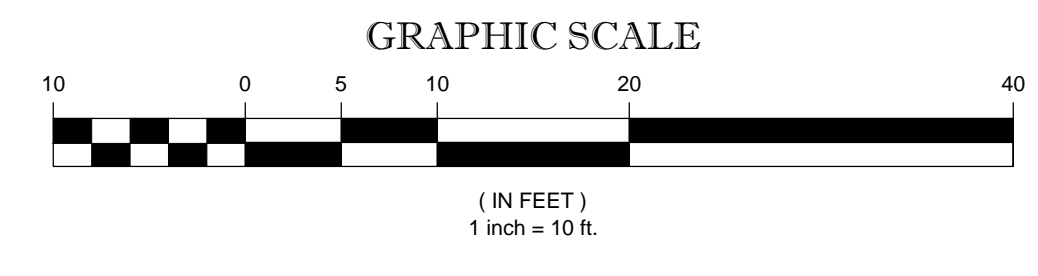
PROPOSED PLATFORM SECTION
SCALE: 1"=10'

LEGEND

- 10.00 TOP OF DECK ELEVATION (EXISTING)
- 10.00 TOP OF DECK ELEVATION (PROPOSED)

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 09/27/2023.
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- PROPERTY AND RIGHT-OF-WAY LINES SHOWN ARE APPROXIMATE LOCATIONS BASED ON THE CURRENT TAX MAPS OF THE BOROUGH OF WILDWOOD CREST, CAPE MAY COUNTY, NEW JERSEY. SAID LINES ARE SHOWN FOR GRAPHICAL INFORMATION ONLY AND HAVE NOT BEEN FIELD VERIFIED.



PLAN (ASTER ROAD)

DEBLASIO & ASSOCIATES
CONSULTING ENGINEERS 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

BEACH STREET END PUBLIC ACCESS IMPROVEMENTS - PHASE 3
BOROUGH OF WILDWOOD CREST
CAPE MAY COUNTY, NEW JERSEY

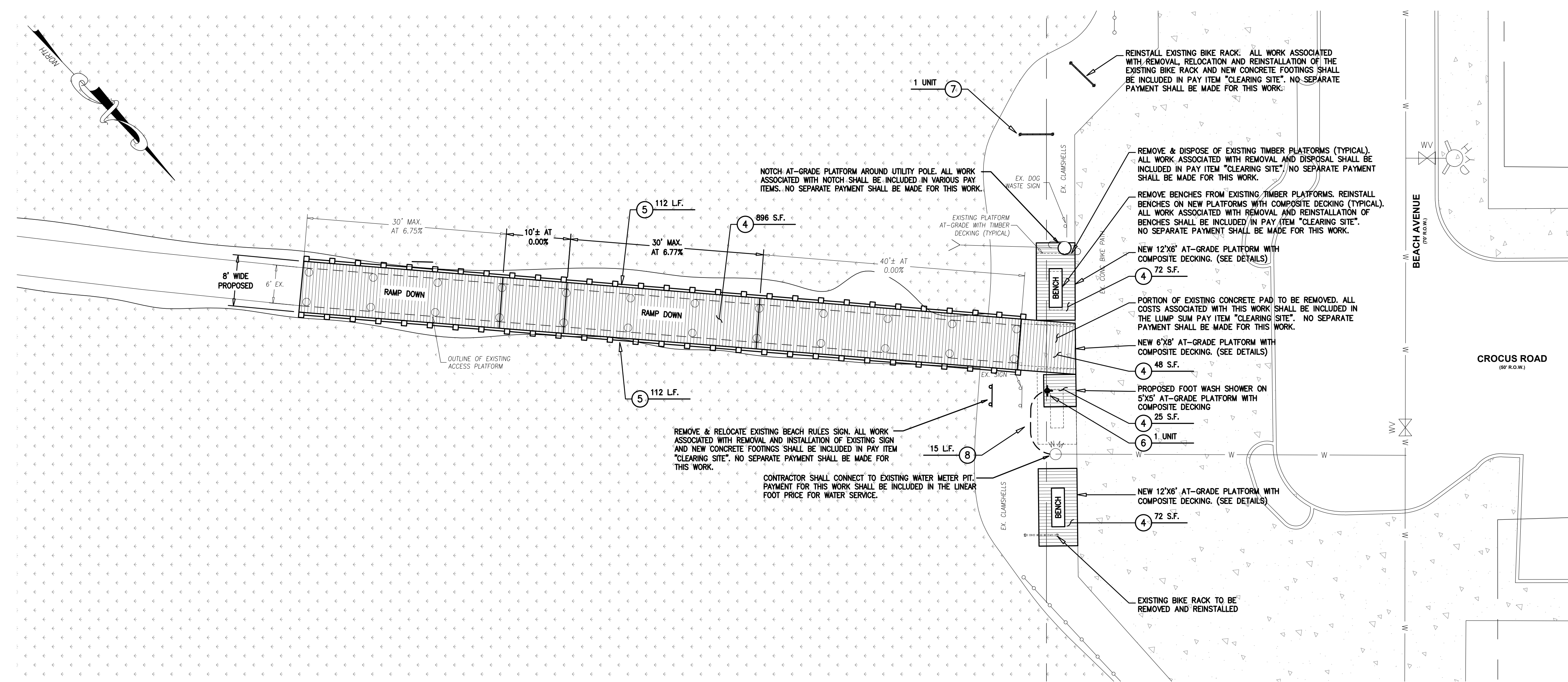
Design: J.M.	Drawn: J.M.	Check: MAD	Date: 1/9/2024
NO.	DATE	APPR.	REVISION

MARC A. DEBLASIO, PE
 New Jersey License No. 41599
 Date: 1/9/2024

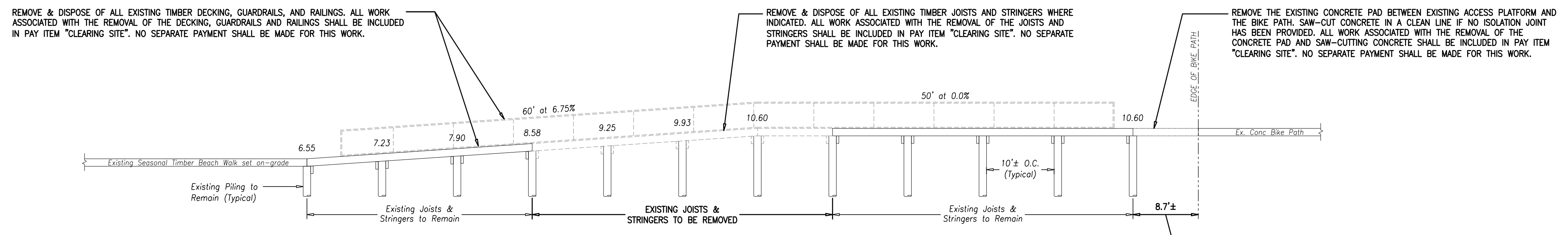
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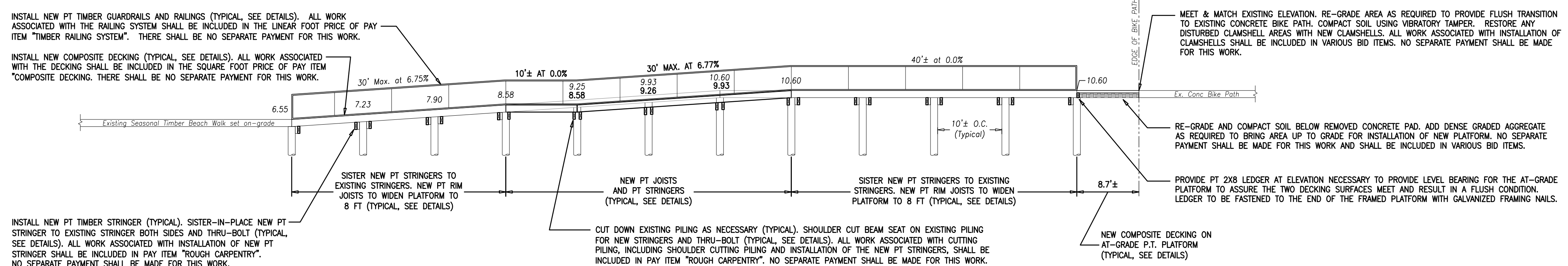
ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
4	COMPOSITE DECKING	S.F.	1,113	
5	TIMBER RAILING SYSTEM	L.F.	224	
6	ADA WASHING SHOWER, FURNISH AND INSTALL	UNIT	1	
7	BICYCLE RACK, FURNISH AND INSTALL	UNIT	1	
8	WATER SERVICE, 1" - WASHING SHOWER	L.F.	15	



PLAN
SCALE: 1"=10'



EXISTING PLATFORM SECTION
SCALE: 1"=10'



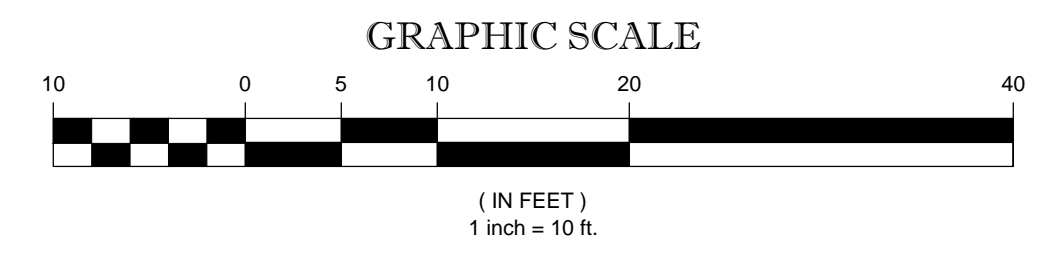
PROPOSED PLATFORM SECTION
SCALE: 1"=10'

LEGEND

- 10.00 TOP OF DECK ELEVATION (EXISTING)
- 10.00 TOP OF DECK ELEVATION (PROPOSED)

SURVEY NOTES:

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PLAN (CROCUS ROAD)

DEBLASIO & ASSOCIATES
CONSULTING ENGINEERS AND PLANNERS

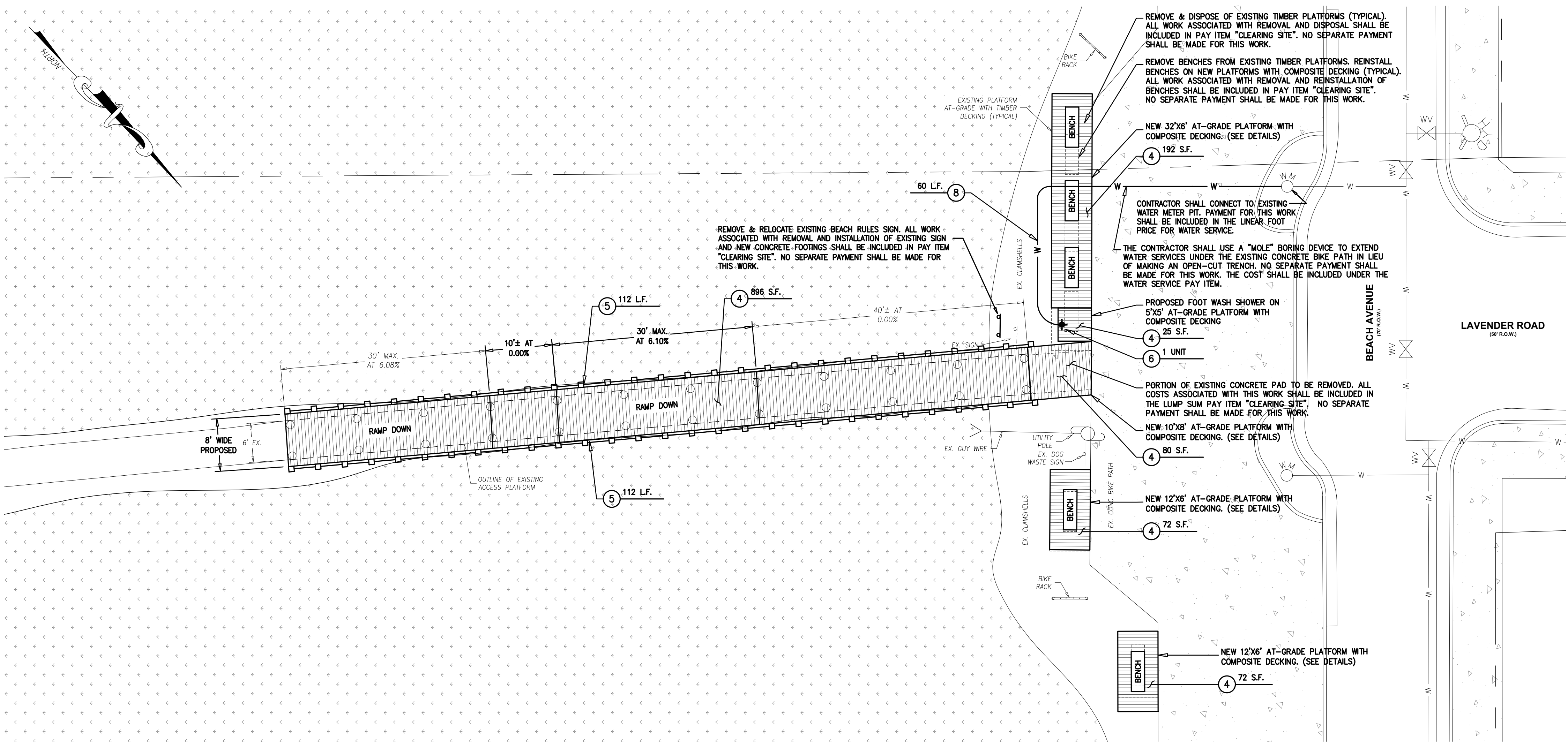
4701 NEW JERSEY AVENUE
WILDWOOD, NJ 08260
PHONE (609) 854-3311
FAX (609) 854-4323
WWW.DEBLASIOASSOC.COM
Certification of Authorization No. 24CA28284900

BEACH STREET END PUBLIC ACCESS IMPROVEMENTS - PHASE 3
BOROUGH OF WILDWOOD CREST
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
J.M.	J.M.	MAD	1/9/2024

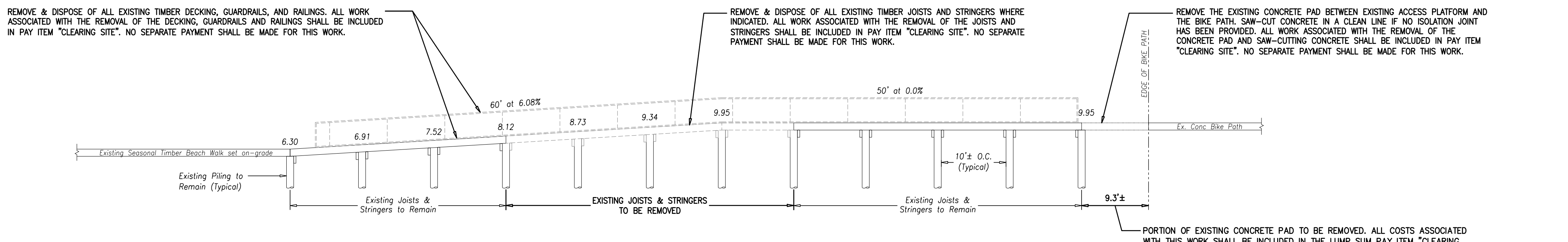
Marc DeBlasio 1/9/2024
MARC A. DEBLASIO, PE DATE
New Jersey License No. 41599
Scale: AS NOTED 800 No. 15 Sheet No. 15 Total: 23

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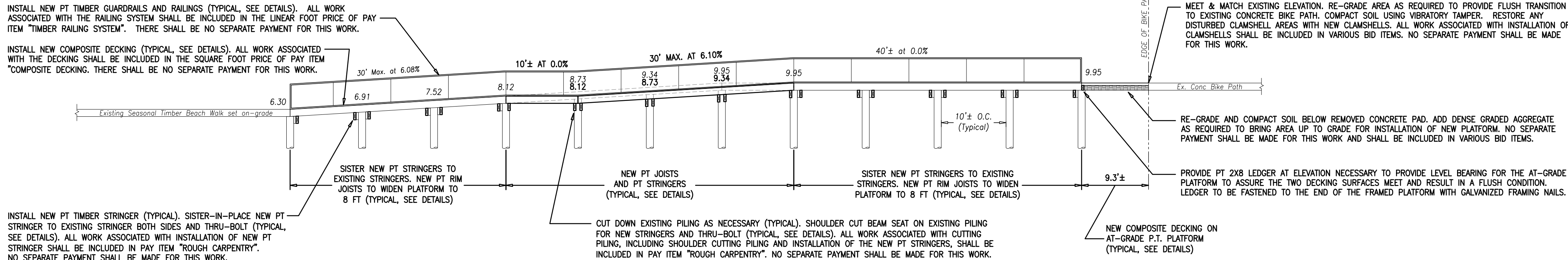


PLAN
SCALE: 1"=10'

ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
4	COMPOSITE DECKING	S.F.	1,337	
5	TIMBER RAILING SYSTEM	L.F.	224	
6	ADA WASHING SHOWER, FURNISH AND INSTALL	UNIT	1	
8	WATER SERVICE, 1" – WASHING SHOWER	L.F.	60	



EXISTING PLATFORM SECTION
SCALE: 1"=10'



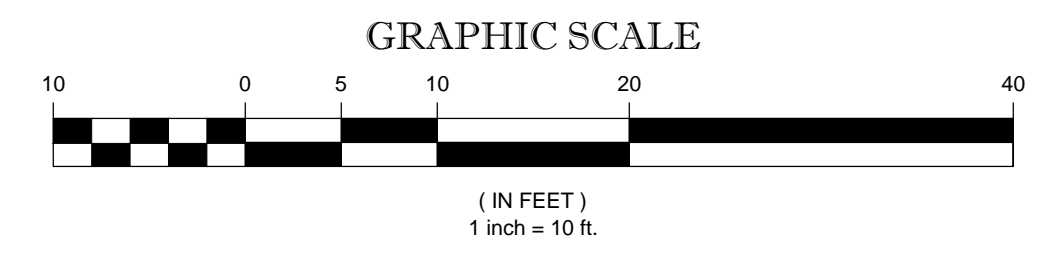
PROPOSED PLATFORM SECTION
SCALE: 1"=10'

LEGEND

- 10.00 TOP OF DECK ELEVATION (EXISTING)
- 10.00 TOP OF DECK ELEVATION (PROPOSED)

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PLAN (LAVENDER ROAD)

DeBlasio & Associates
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BEACH STREET END PUBLIC ACCESS IMPROVEMENTS - PHASE 3
BOROUGH OF WILDWOOD CREST
CAPE MAY COUNTY, NEW JERSEY

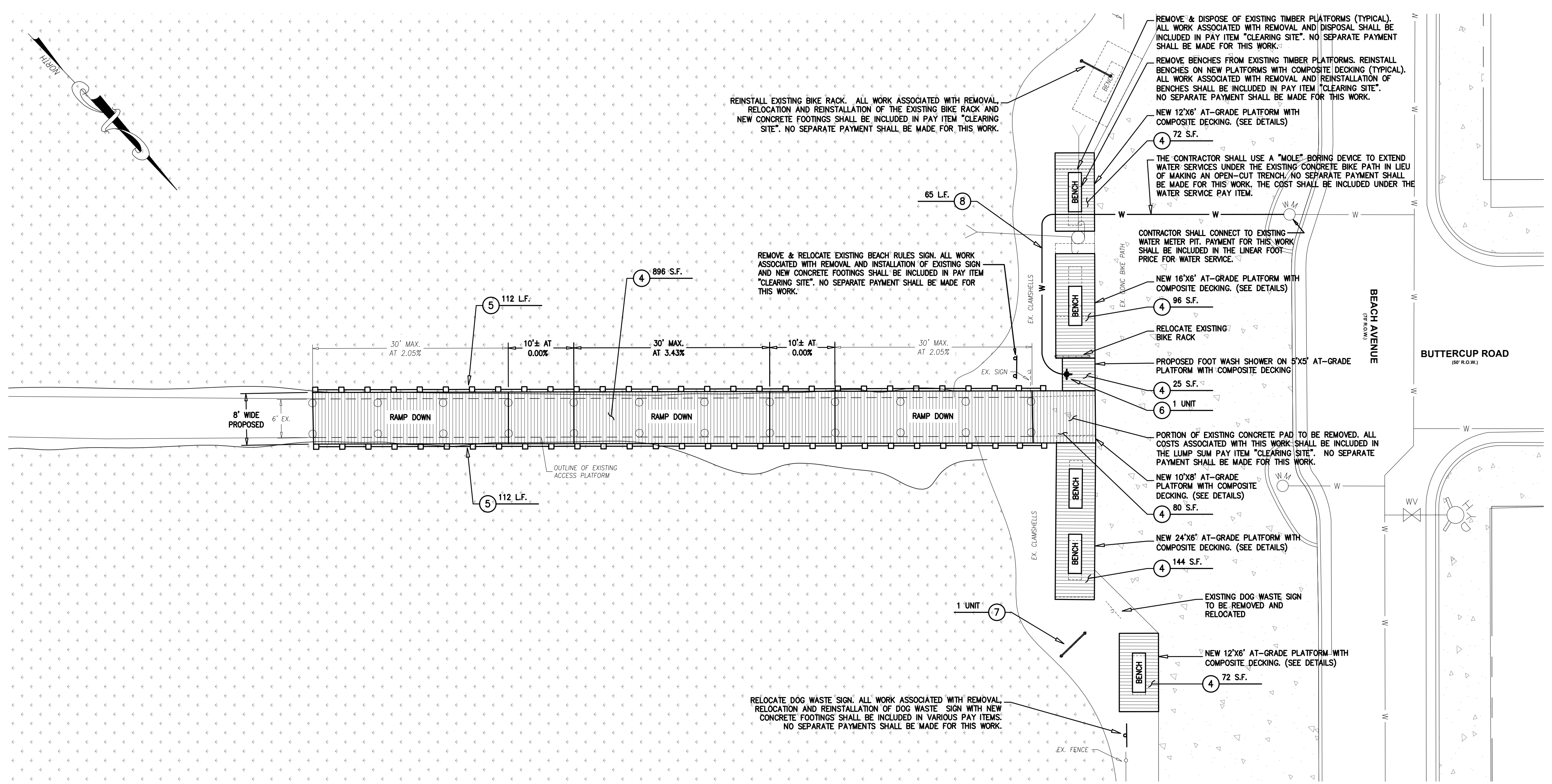
Design:	Drawn:	Check:	Date:
J.M.	J.M.	MAD	1/9/2024

Marc A. DeBlasio 1/9/2024
MARC A. DEBLASIO, PE DATE
New Jersey License No. 41599

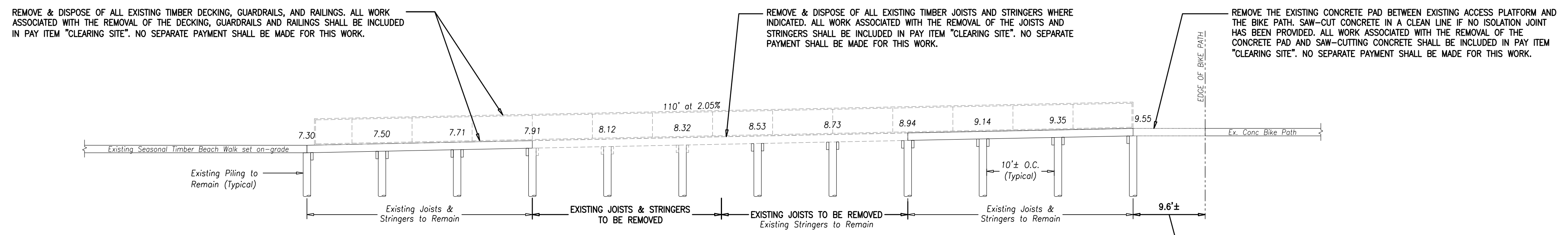
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NO.	DATE	APPR.	REVISION

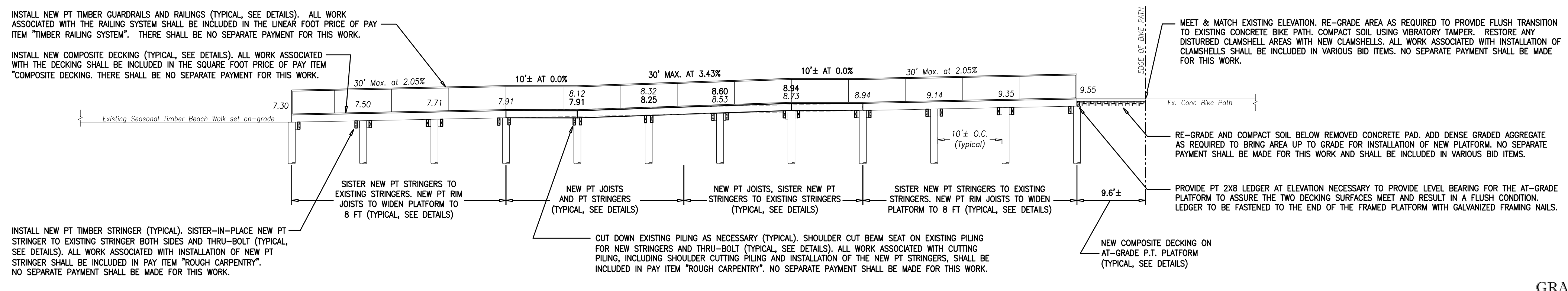
ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
4	COMPOSITE DECKING	S.F.	1,385	
5	TIMBER RAILING SYSTEM	L.F.	224	
6	ADA WASHING SHOWER, FURNISH AND INSTALL	UNIT	1	
7	BICYCLE RACK, FURNISH AND INSTALL	UNIT	1	
8	WATER SERVICE, 1" - WASHING SHOWER	L.F.	65	



PLAN
SCALE : 1"=10'



EXISTING PLATFORM SECTION
SCALE : 1"=10'



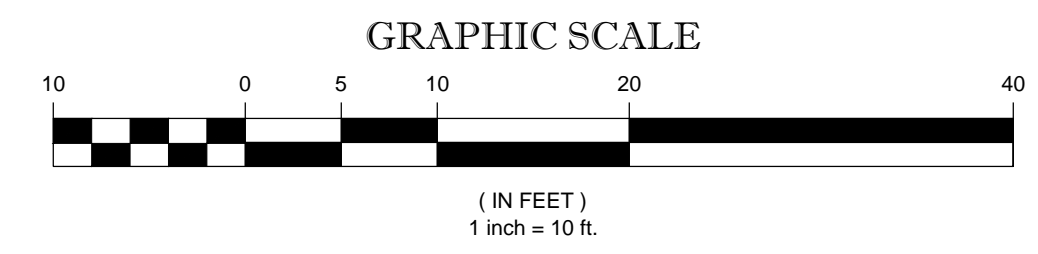
PROPOSED PLATFORM SECTION
SCALE : 1"=10'

LEGEND

- 10.00 TOP OF DECK ELEVATION (EXISTING)
- 10.00 TOP OF DECK ELEVATION (PROPOSED)

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PLAN (BUTTERCUP ROAD)

DEBLASIO & ASSOCIATES
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PHONE (609) 854-3311
FAX (609) 854-4323
WWW.DEBLASIOASSOC.COM
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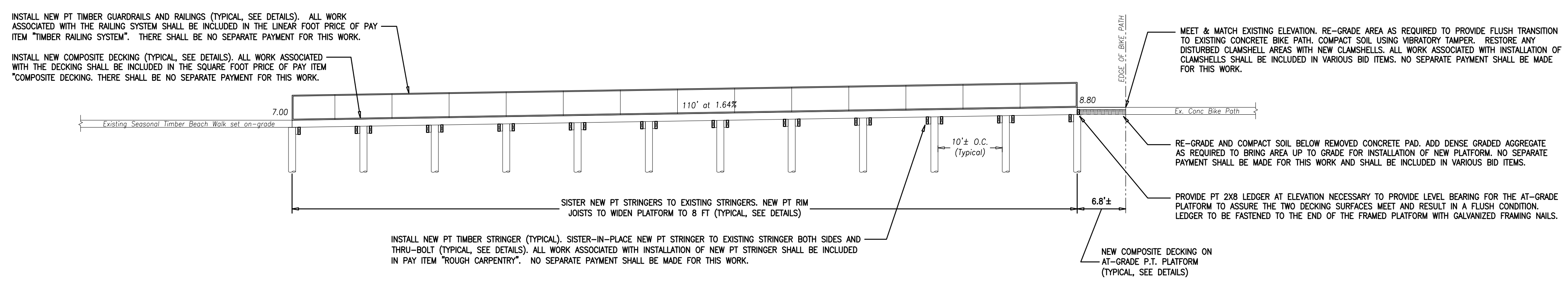
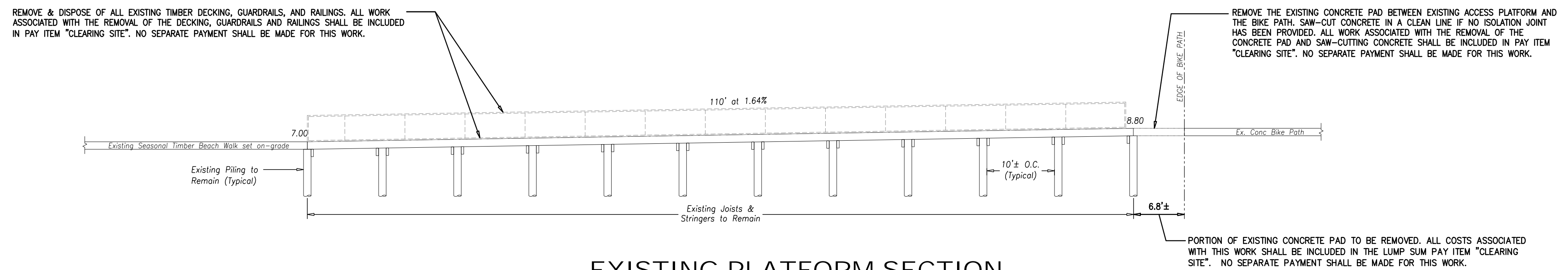
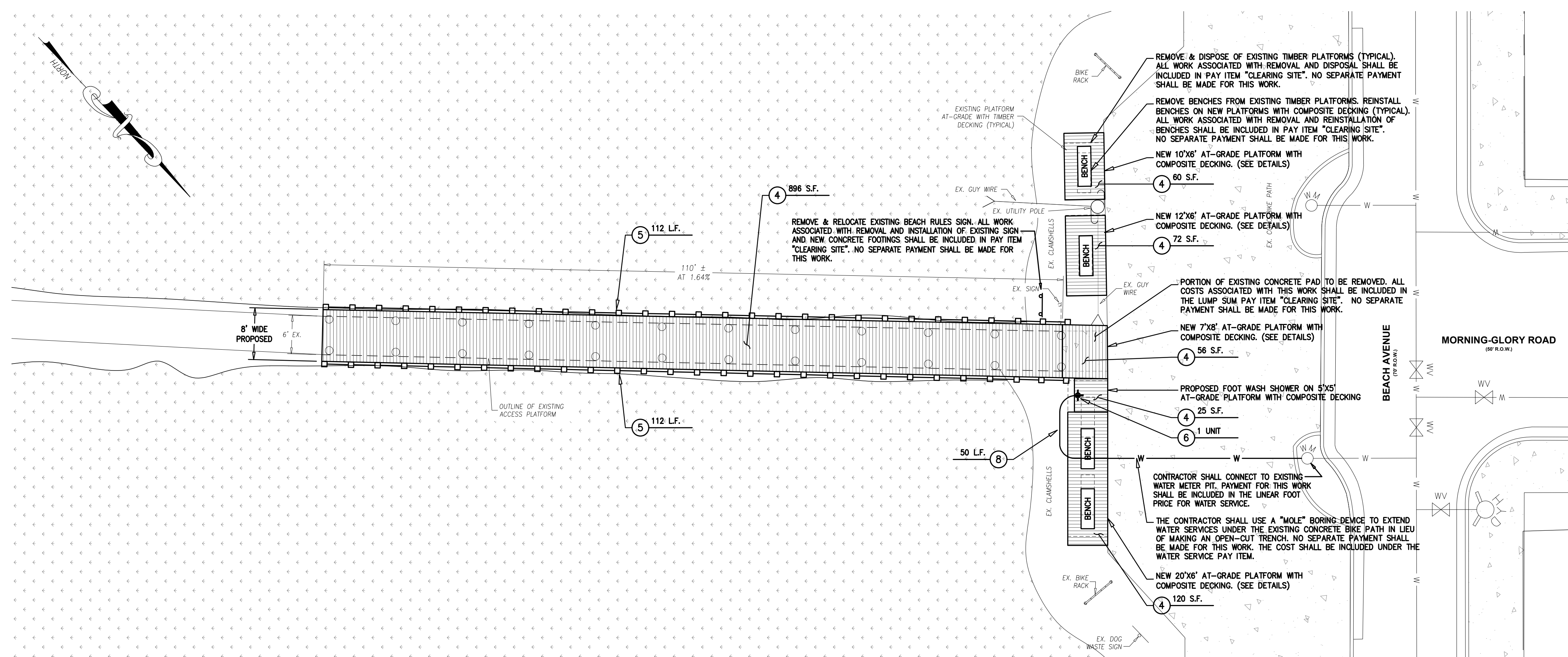
BEACH STREET END PUBLIC ACCESS IMPROVEMENTS - PHASE 3
BOROUGH OF WILDWOOD CREST
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
J.M.	J.M.	MAD	1/9/2024

Marc DeBlasio 1/9/2024
MARC A. DEBLASIO, PE DATE
New Jersey License No. 41599
Scale: AS NOTED 000 No. 17 23
Sheet No. 17 of 23

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ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
4	COMPOSITE DECKING	S.F.	1,229	
5	TIMBER RAILING SYSTEM	L.F.	224	
6	ADA WASHING SHOWER, FURNISH AND INSTALL	UNIT	1	
7	BICYCLE RACK, FURNISH AND INSTALL	UNIT	1	
8	WATER SERVICE, 1" - WASHING SHOWER	L.F.	50	

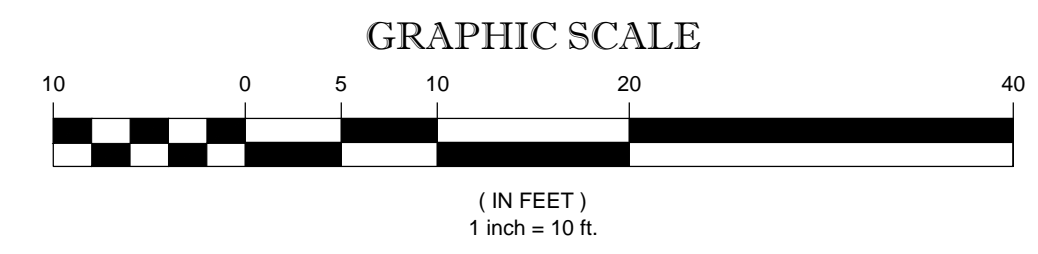


LEGEND

- 10.00 TOP OF DECK ELEVATION (EXISTING)
- 10.00 TOP OF DECK ELEVATION (PROPOSED)

SURVEY NOTES:

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PLAN (MORNING GLORY ROAD)

DEBLASIO & ASSOCIATES
CONSULTING ENGINEERS AND PLANNERS

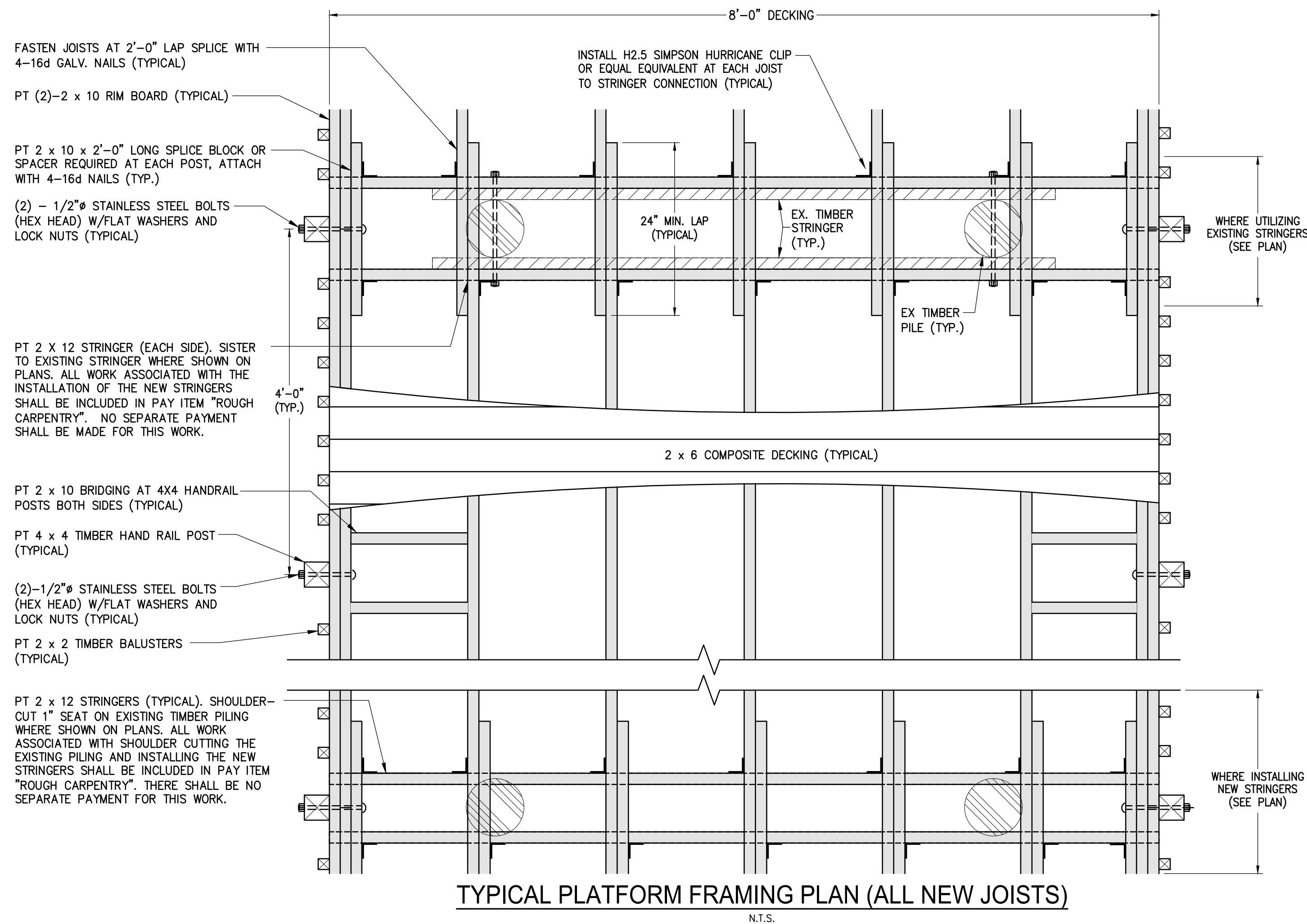
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WILDWOOD, NJ 08260
PHONE (609) 854-3311
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BEACH STREET END PUBLIC ACCESS IMPROVEMENTS - PHASE 3 BOROUGH OF WILDWOOD CREST CAPE MAY COUNTY, NEW JERSEY

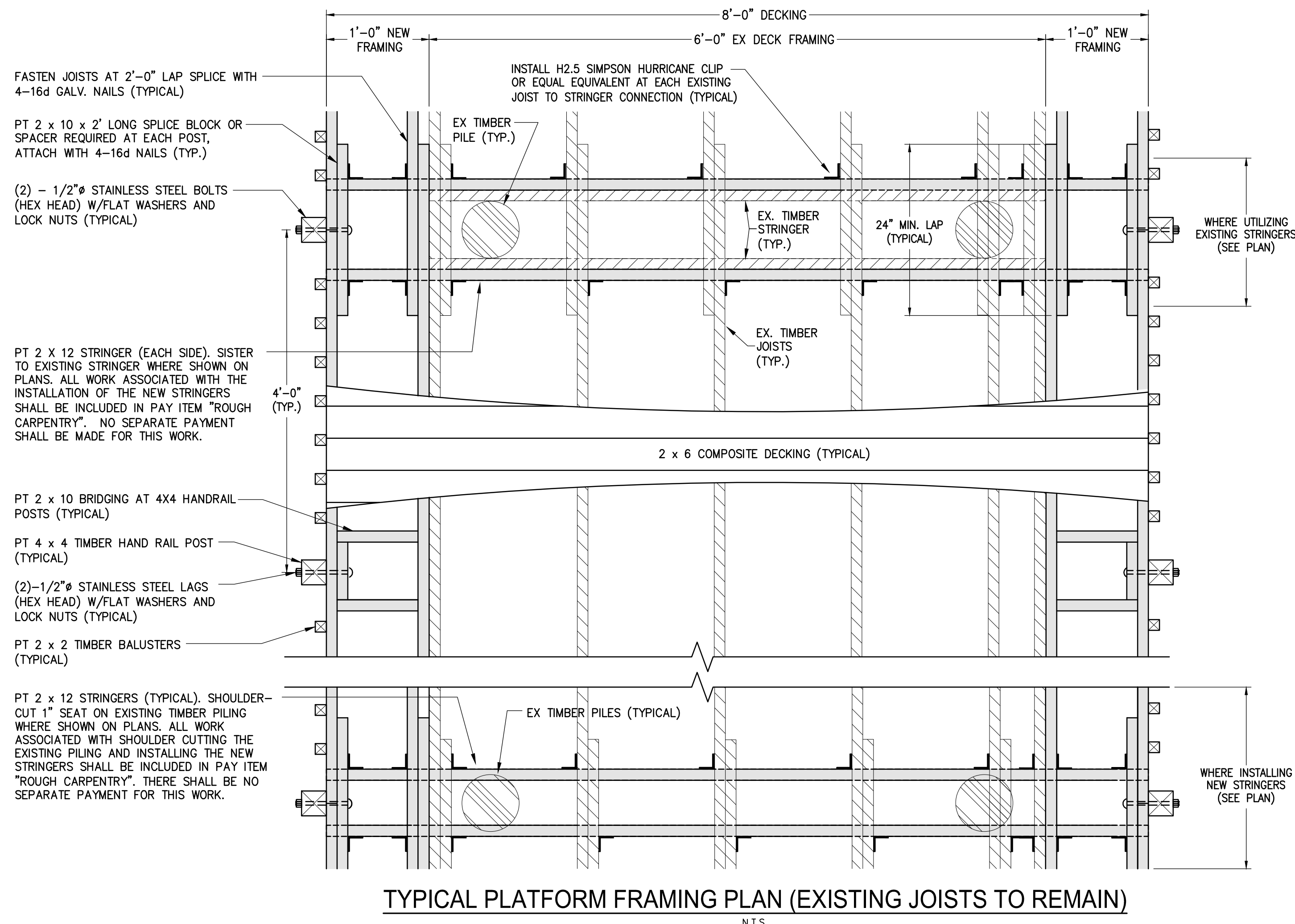
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J.M.	J.M.	MAD	1/9/2024

Marc DeBlasio 1/9/2024
MARC A. DEBLASIO, PE DATE
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Scale: AS NOTED
S&S No.: WW-C-045
Sheet No.: 16
Total: 23

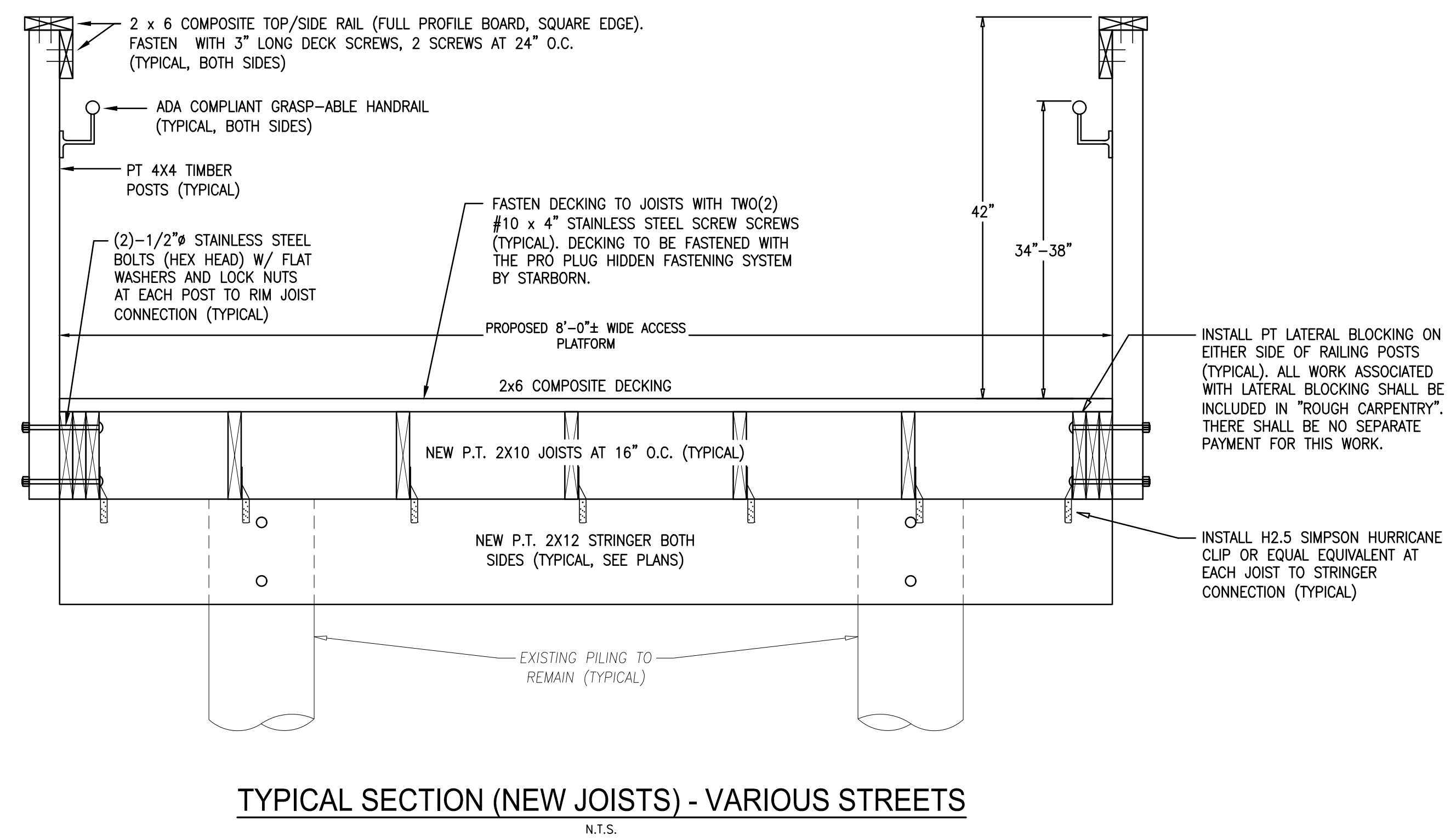
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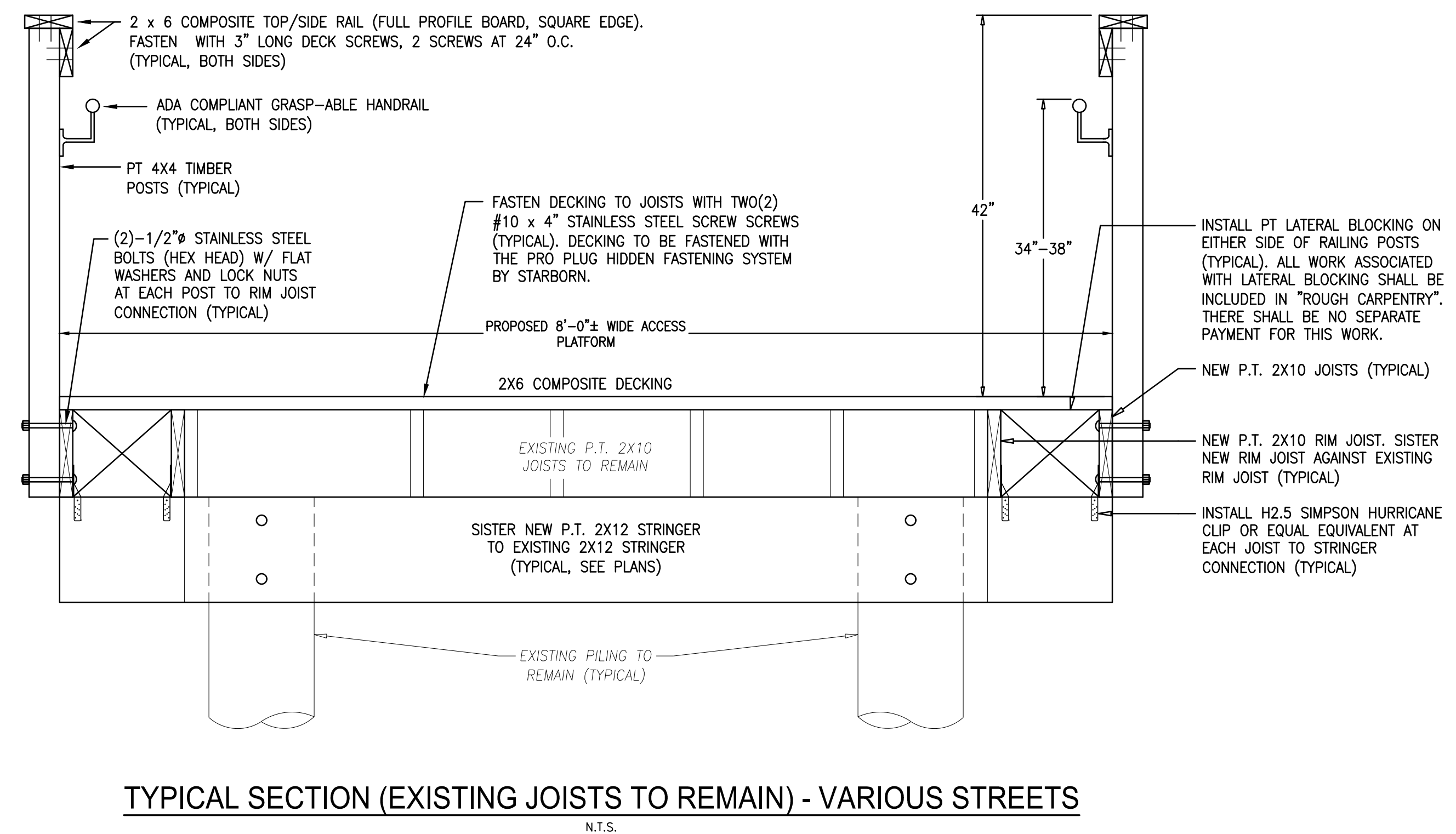
TYPICAL PLATFORM FRAMING PLAN (ALL NEW JOISTS)



TYPICAL PLATFORM FRAMING PLAN (EXISTING JOISTS TO REMAIN)



TYPICAL SECTION (NEW JOISTS) - VARIOUS STREETS



TYPICAL SECTION (EXISTING JOISTS TO REMAIN) - VARIOUS STREETS

WOOD FRAMING

1. PROVIDE ALL WOOD FRAMING MATERIALS SHOWN ON THE PLANS FOR COMPLETE CONSTRUCTION.
2. LUMBER FOR FOUNDATION BEAMS & FRAMING, SHALL BE NO.1 SOUTHERN YELLOW PINE (Fb= 1,500 PSI, Fv= 175 PSI) PRESSURE TREATED WITH CCA TO A NET RETENTION OF 1.0 PCF FOR FOUNDATION USE.
3. LUMBER FOR RAILING POSTS SHALL BE NO.2 SOUTHERN YELLOW PINE (Fb= 1,200 PSI, Fv= 85 PSI) PRESSURE TREATED WITH ALKALINE COPPER QUAT (ACQ) TO A NET RETENTION OF 0.25 PCF FOR ABOVE GROUND USE AND 0.40 PCF FOR GROUND CONTACT USE.
4. ALL DECKING AND RAILING TOP AND SIDE RAIL TO BE COMPOSITE MATERIAL IN ACCORDANCE WITH SECTION 400600 OF THESE SPECIFICATIONS.
5. ALL DECKING ELEMENTS SHALL BE CONNECTED BY MIN. 4" LONG STAINLESS STEEL SCREW ANCHORS UTILIZING A THE PRO PLUG HIDDEN FASTENING SYSTEM BY STARBORN UNLESS OTHERWISE SPECIFIED.
6. SPACING BETWEEN DECKING SHALL NOT EXCEED 1/2".
7. ALL EXPOSED CORNER EDGES ON TOP AND SIDE HANDRAILS TO BE ROUTERED AND SANDED TO PROVIDE SMOOTH FINISH.
8. NO OPENINGS SHALL BE MADE IN ANY STRUCTURAL MEMBER UNLESS SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWING OR OTHER APPROVAL FROM THE ENGINEER.
9. ALL STAINLESS STEEL BOLTS, NUTS, WASHERS, THREADS, AND RODS SHALL BE ASTM A 276 GRADE 316.
10. ALL WOOD FRAMING CONNECTIONS SHALL COMPLY WITH THE MINIMUM NUMBER AND SIZE FASTENERS AS SHOWN IN TABLE 2304.10.1, FASTENING SCHEDULE IN I.B.C. 2018 UNLESS OTHERWISE SHOWN HEREIN. NOTE: FORMED METAL CONNECTORS FOR HURRICANE ANCHORAGE ARE IN ADDITION TO FASTENERS REQUIRED BY THE BUILDING CODE. DO NOT SUBSTITUTE METAL CONNECTORS FOR FASTENERS.

CONSTRUCTION DETAILS

DeBlasio & Associates
CONSULTING ENGINEERS AND PLANNERS

4701 NEW JERSEY AVENUE
WILDWOOD, NJ 08260
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BEACH STREET END PUBLIC ACCESS IMPROVEMENTS - PHASE 3
BOROUGH OF WILDWOOD CREST
CAPE MAY COUNTY, NEW JERSEY

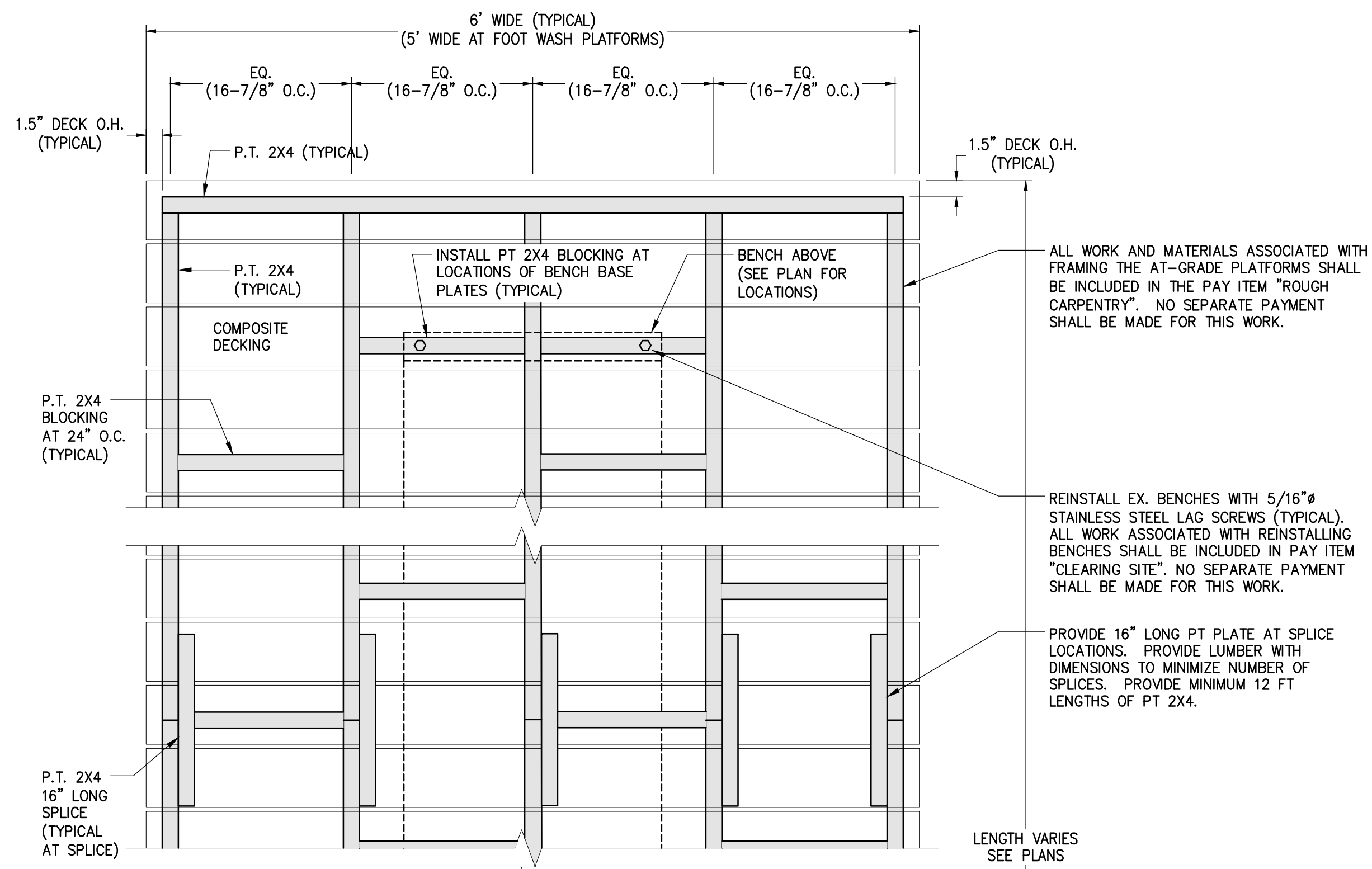
Design:	Drawn:	Check:	Date:
J.M.	J.M.	MAD	1/9/2024

Marc A. DeBlasio 1/9/2024
MARC A. DEBLASIO, PE DATE
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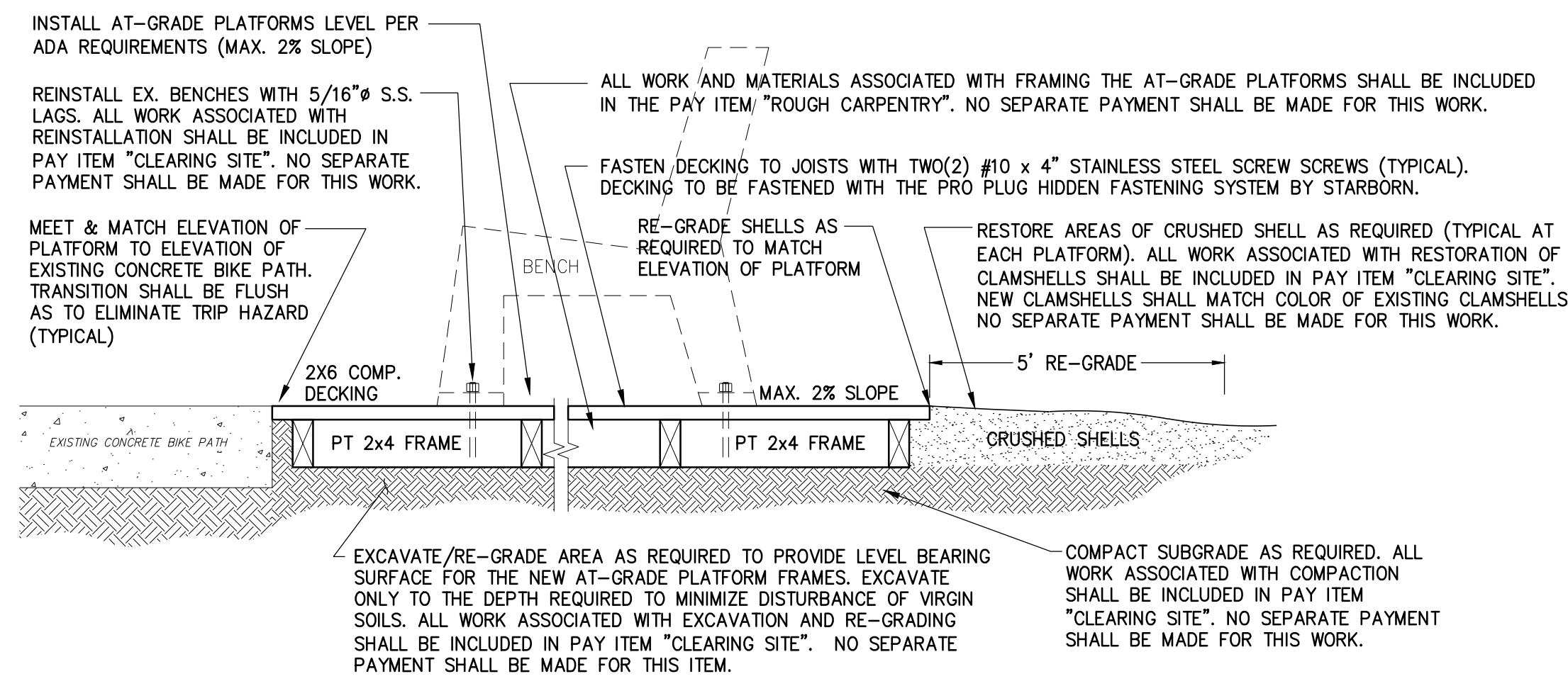
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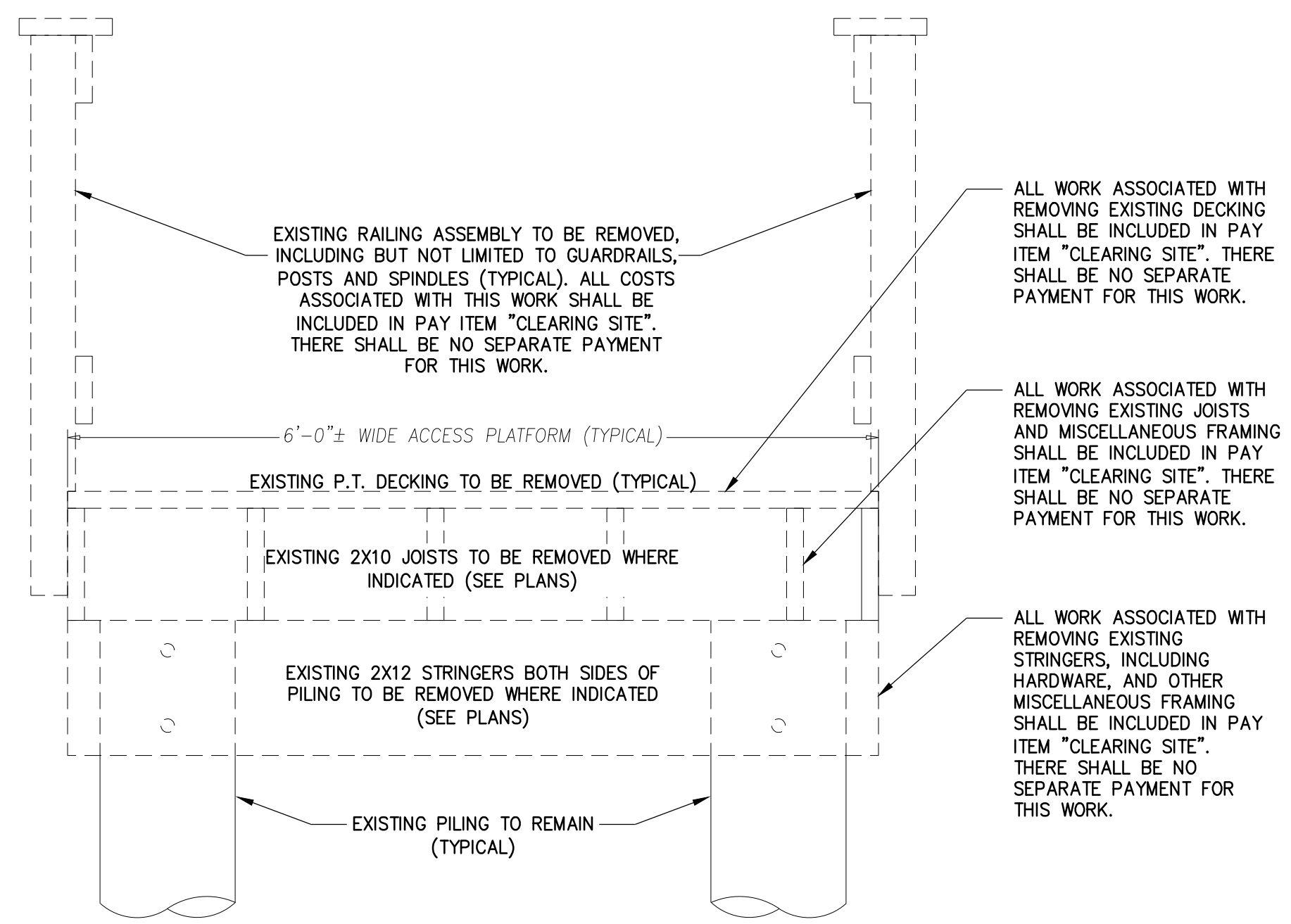
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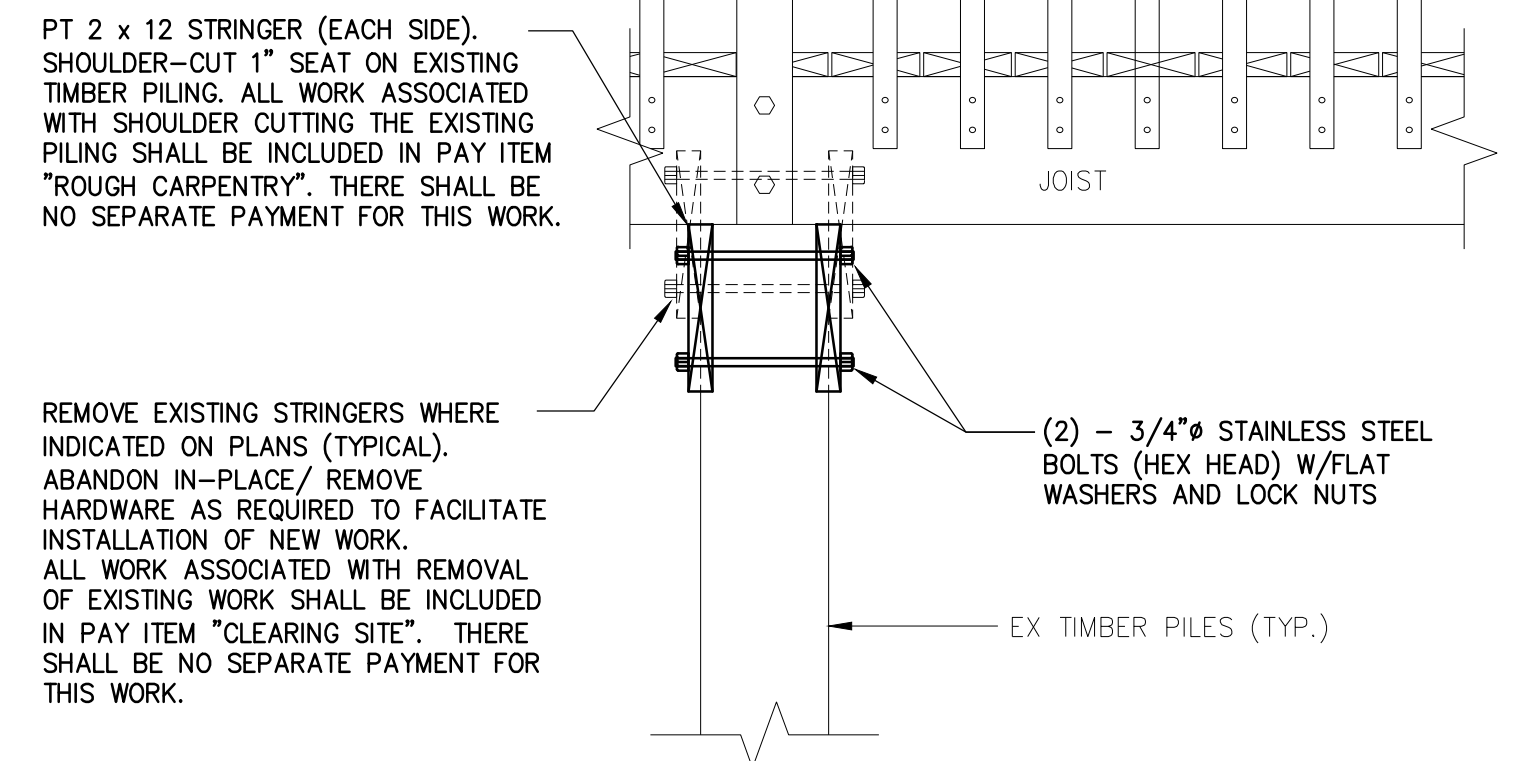
AT-GRADE PLATFORM FRAMING PLAN DETAIL
N.T.S.



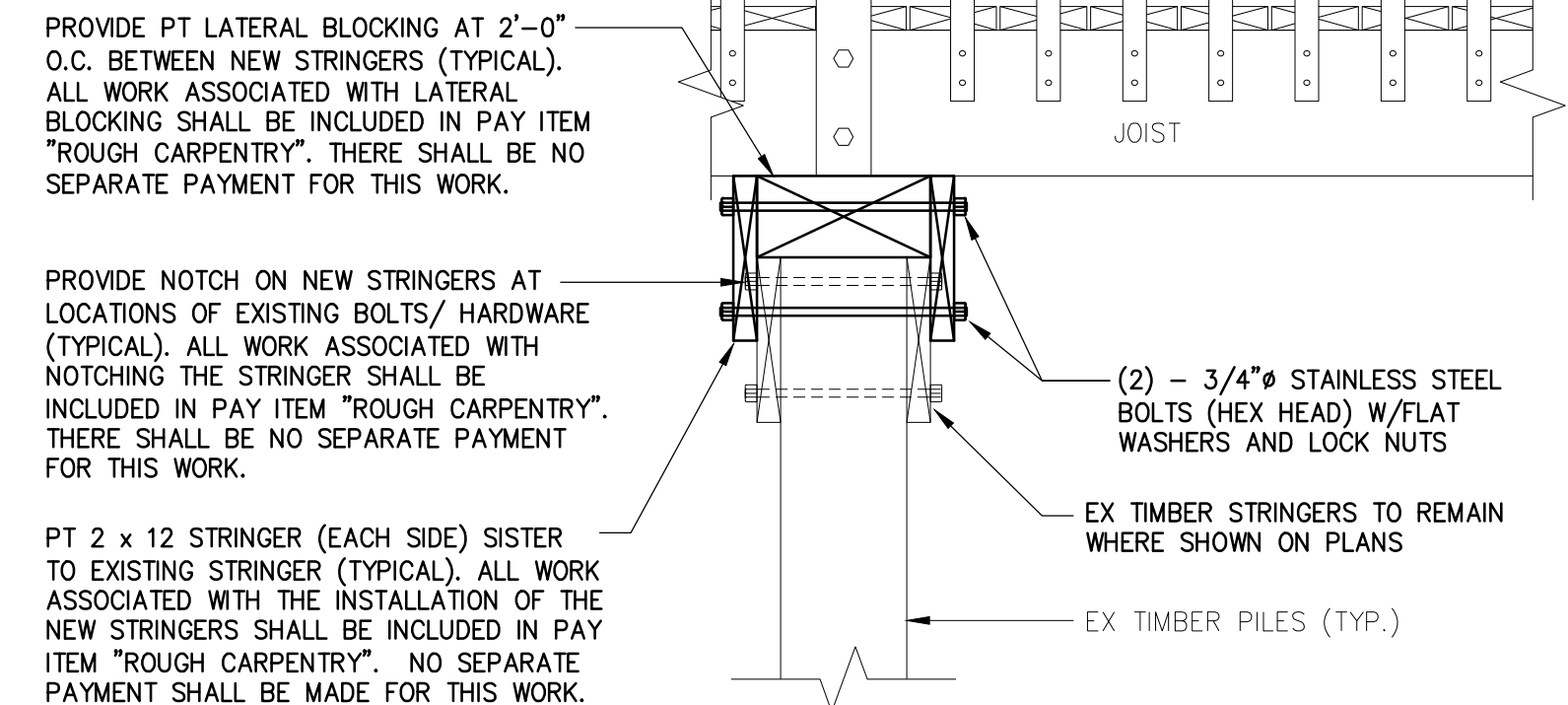
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N.T.S.



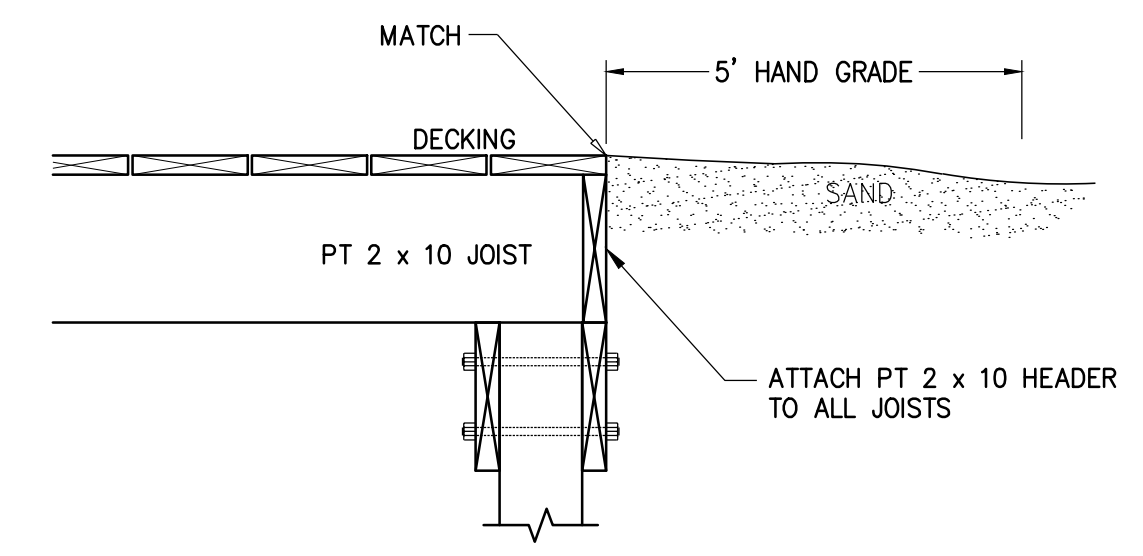
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N.T.S.



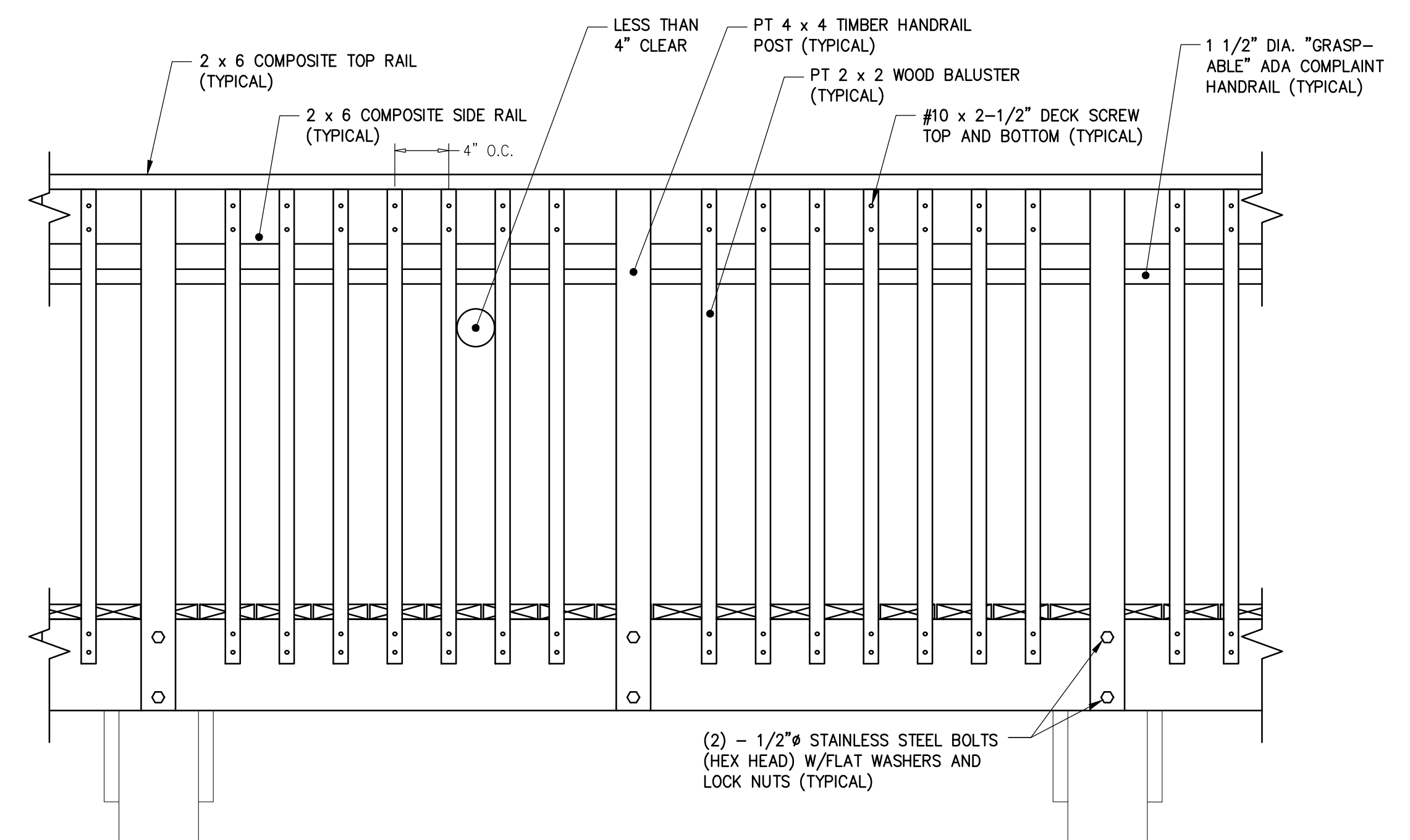
NEW STRINGER CONNECTION DETAIL
N.T.S.



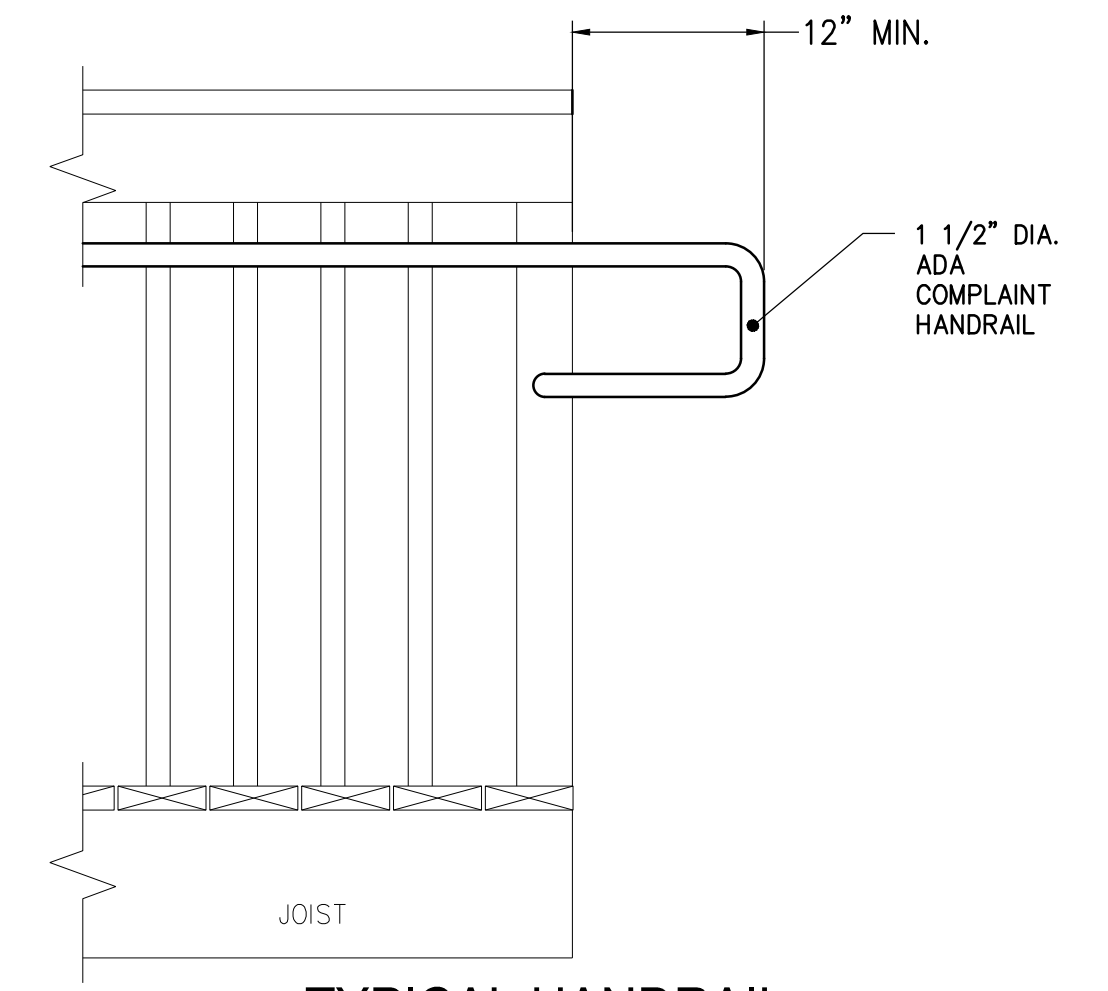
SISTER NEW STRINGER TO EXISTING STRINGER CONNECTION DETAIL
N.T.S.



TYPICAL PLATFORM TERMINATION DETAIL
N.T.S.



TYPICAL GUARDRAIL AND RAILING CONNECTION DETAIL
N.T.S.



TYPICAL HANDRAIL EXTENSION AT RAMP TERMINATIONS
N.T.S.

CONSTRUCTION DETAILS

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CONSULTING ENGINEERS AND PLANNERS

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BEACH STREET END PUBLIC ACCESS IMPROVEMENTS - PHASE 3
BOROUGH OF WILDWOOD CREST
CAPE MAY COUNTY, NEW JERSEY

Design:	Drawn:	Check:	Date:
J.M.	J.M.	MAD	1/9/2024

Marc A. DeBlasio 1/9/2024
MARC A. DEBLASIO, PE DATE
New Jersey License No. 41599

NO.	DATE	APPR.	REVISION

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- CONCRETE NOTES:**
1. FOOTINGS ARE TO BEAR ON UNDISTURBED, NATURAL SOIL OR ENGINEERED FILL. BOTH ARE TO BE COMPACTED TO 95% PROCTOR DENSITY.
 2. FOOTINGS, RE-BAR, LEVELING NUTS, GROUT & ANCHOR BOLTS TO BE INCLUDED UNDER PAY ITEM "ADA WASHING SHOWERS".
 3. ALL CONCRETE REINFORCING STEEL TO BE GRADE 60, DEFORMED BARS.
 4. ALL CONCRETE TO BE MIN. 3000 PSI @ 28 DAYS FOR FOUNDATION.
 5. ALL CONCRETE WORK TO BE IN ACCORDANCE W/ LATEST ACI CODE.
 6. LEVELING NUTS HAVE BEEN SHOWN UNDER SHOWER BASE PLATE. ADJUST LEVELING NUTS AS REQUIRED TO ENSURE ALL SHOWER BASES ARE AT THE SAME ELEVATION.
 7. REINFORCEMENT SHALL BE SECURELY HELD IN PLACE WHILE PLACING CONCRETE. IF REQUIRED, ADDITIONAL BARS, STIRRUPS OR CHAIRS SHALL BE PROVIDED TO FURNISH SUPPORT FOR BARS.

ERECTOR NOTES:
ALL MEMBERS MUST BE PROPERLY BRACED UNTIL THE COMPLETE STRUCTURAL SYSTEM HAS BEEN CONSTRUCTED. CORRECTION OF MINOR MISFITS AND A REASONABLE AMOUNT OF REAMING OR ALIGNMENT WILL BE CONSIDERED A LEGITIMATE EXPENSE OF ERECTION.

IN THE EVENT OF ERROR, DEFECT IN MATERIALS, AND/OR WORKMANSHIP OF SHOP WORK WHICH PREVENTS PROPER ASSEMBLING AND FITTING UP OF PARTS, IMMEDIATELY REPORT TO THE SELLER AND OBTAIN SELLER'S APPROVAL OF THE METHOD OF CORRECTION.

BOLTS TO BE TIGHT. TORQUE MEASUREMENT IS NOT REQUIRED.

PUBLIC ADA SHOWER BY MOST DEPENDABLE FOUNTAINS INC. MODEL 565 SERIES SHOWER OR APPROVED EQUIVALENT. ONE ACCESSIBLE SHOWER, ONE METERED SHOWER, ONE FOOT SPRAY ALL ON SAME SIDE. PUSH BUTTON OPERATED.

FASTEN FOOT WASH SHOWERS WITH 1/2" X 24" LONG ASTM F1554 GRADE 36 THREADED RODS ALL TO BE HOT-DIPPED GALVANIZED. CAST THE THREADED RODS IN THE CONCRETE SONOTUBE FOOTING. USE SURFACE CARRIER PLATE TO RAISE THE SHOWER TO STANDOFF ABOVE THE COMPOSITE DECKING SURFACE. NO SEPARATE PAYMENT SHALL BE MADE FOR THE FOOT WASH SHOWER FOUNDATION OR CONCRETE FOOTINGS. ALL COSTS FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR "ADA WASHING SHOWERS".

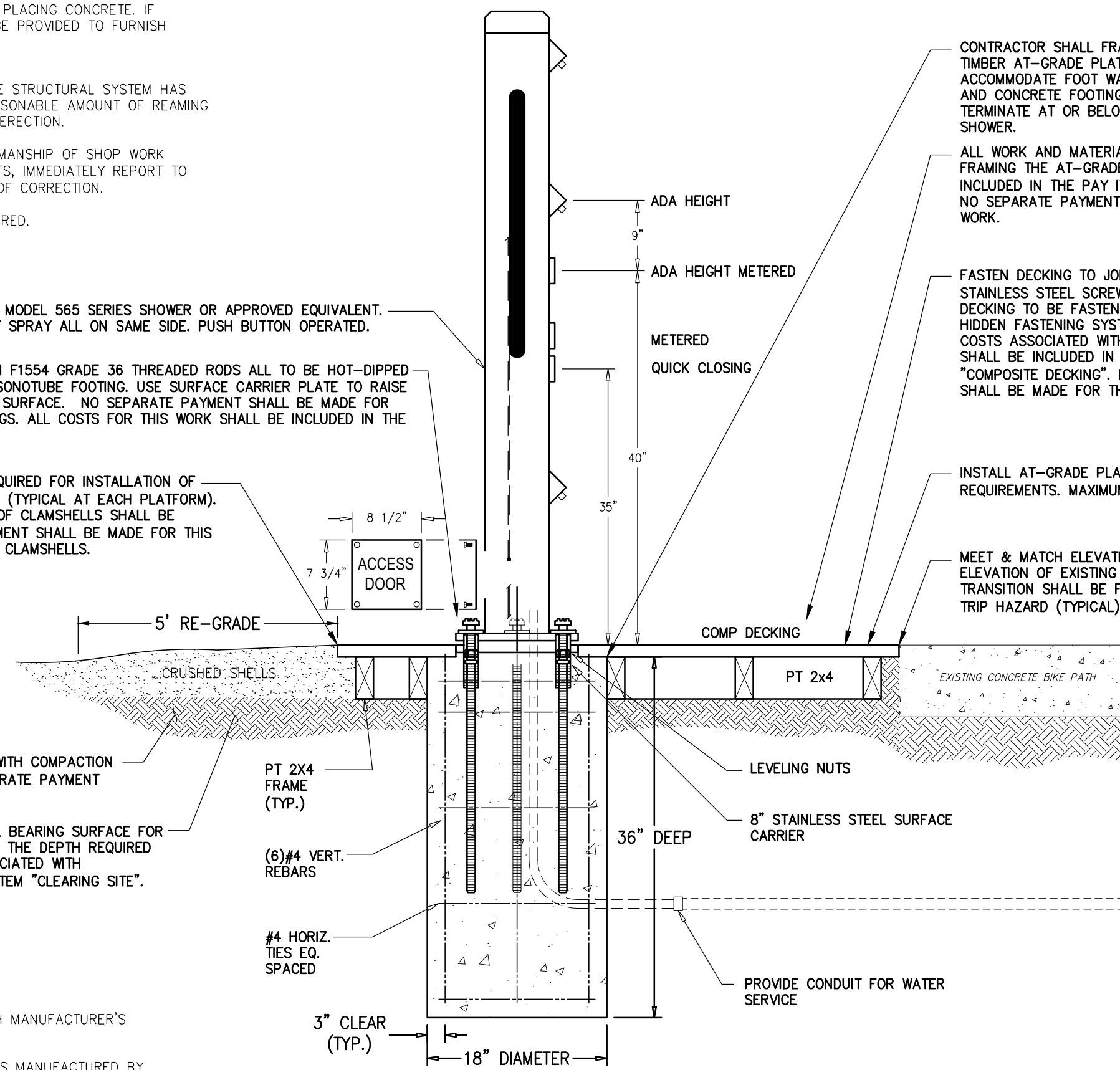
RE-GRADE AND RESTORE AREAS OF CRUSHED SHELL AS REQUIRED FOR INSTALLATION OF AT-GRADE PLATFORM AND FOOT WASH SHOWER FOUNDATION (TYPICAL AT EACH PLATFORM). ALL WORK ASSOCIATED WITH REGRADING AND RESTORATION OF CLAMSHHELLS SHALL BE INCLUDED IN PAY ITEM "CLEARING SITE". NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK. NEW CLAMSHHELLS SHALL MATCH COLOR OF EXISTING CLAMSHHELLS.

COMPACT SUBGRADE AS REQUIRED. ALL WORK ASSOCIATED WITH COMPACTION SHALL BE INCLUDED IN PAY ITEM "CLEARING SITE". NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK.

EXCAVATE/RE-GRADE AREA AS REQUIRED TO PROVIDE LEVEL BEARING SURFACE FOR THE NEW AT-GRADE PLATFORM FRAMES. EXCAVATE ONLY TO THE DEPTH REQUIRED TO MINIMIZE DISTURBANCE OF VIRGIN SOILS. ALL WORK ASSOCIATED WITH EXCAVATION AND RE-GRADE SHALL BE INCLUDED IN PAY ITEM "CLEARING SITE". NO SEPARATE PAYMENT SHALL BE MADE FOR THIS ITEM.

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. PRODUCT SHALL BE MODEL 565 SMSS ADA SHOWER AS MANUFACTURED BY MOST DEPENDABLE FOUNTAINS, INC. OR APPROVED EQUAL.

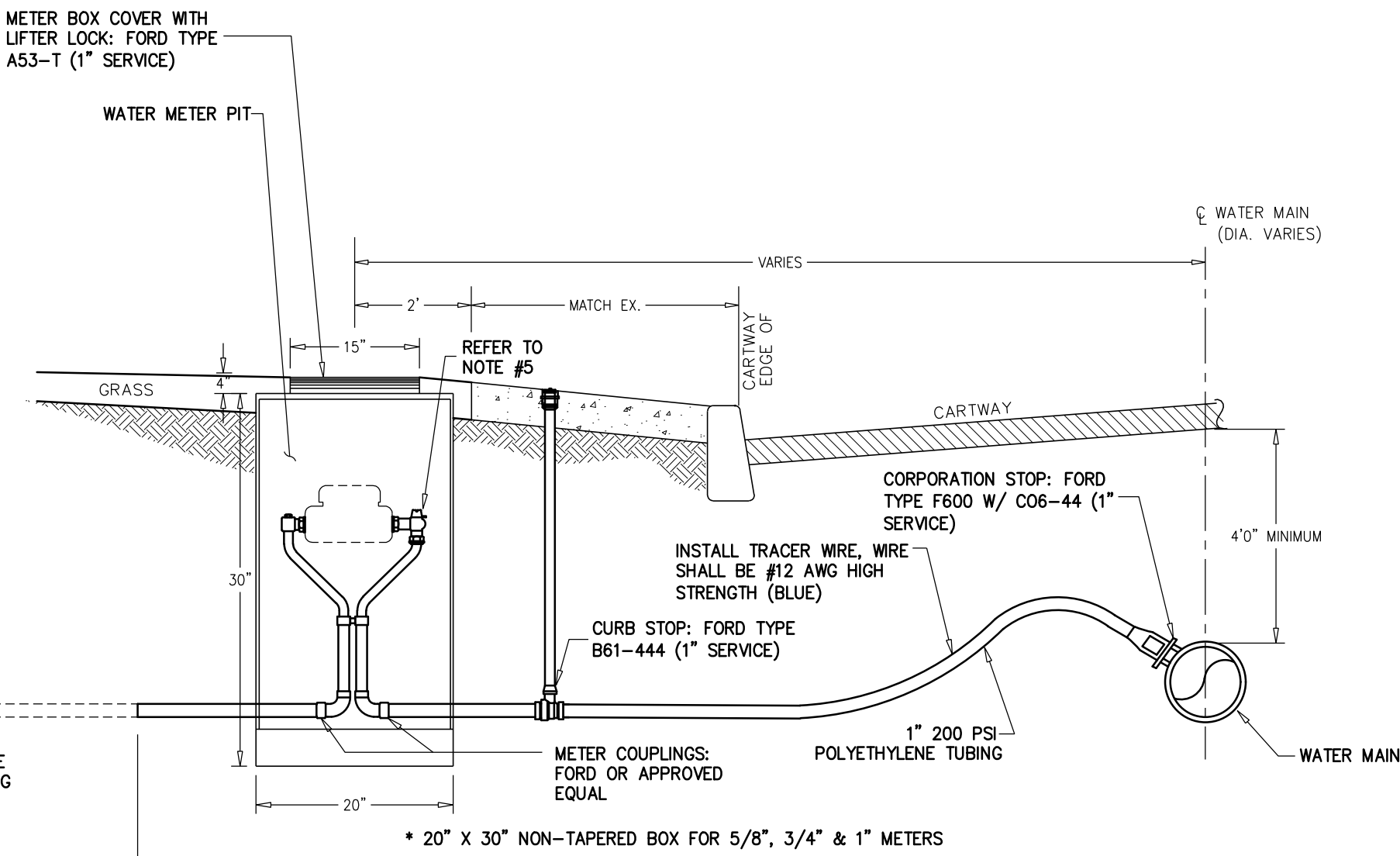


ADA WASHING SHOWER DETAIL

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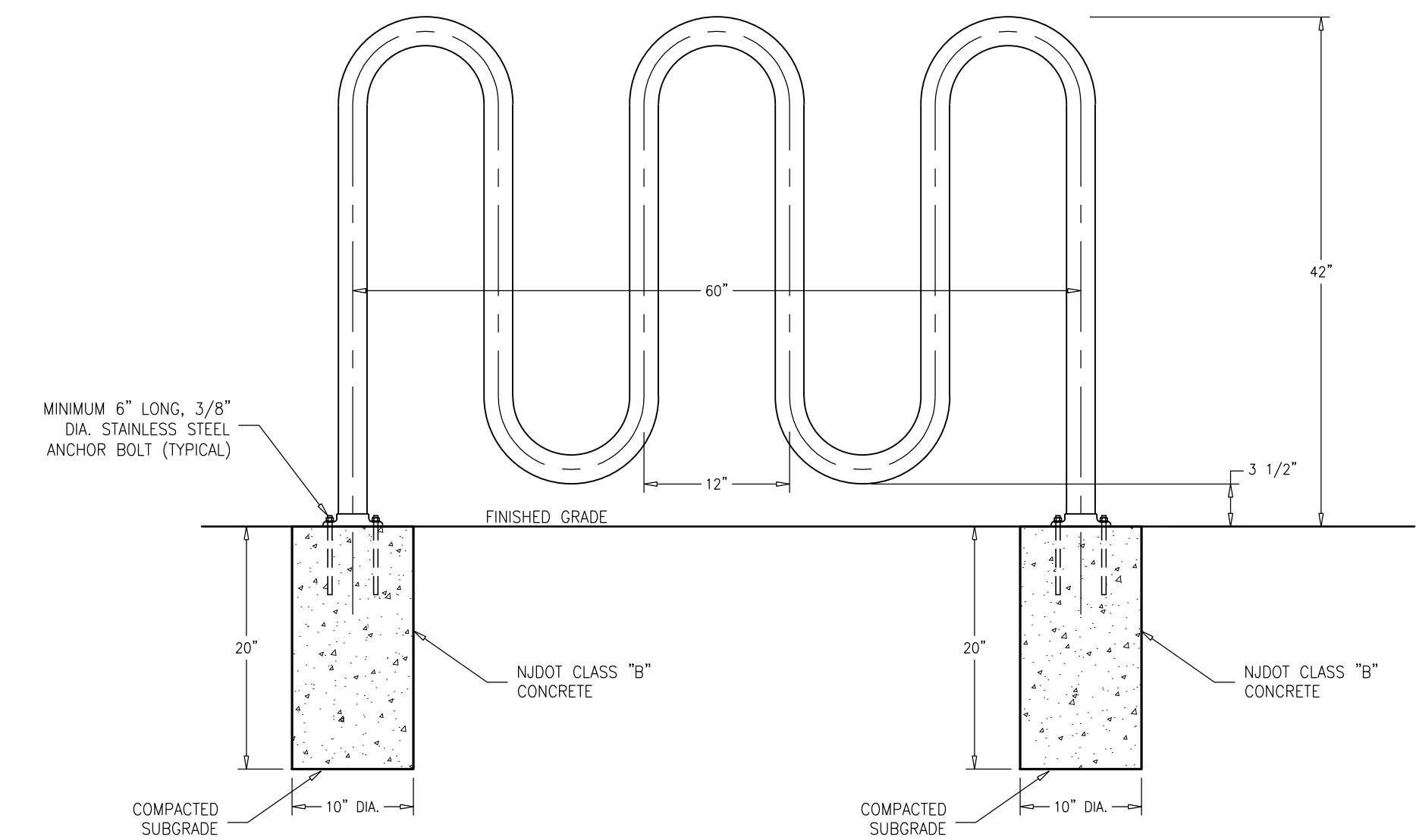
WATER NOTES:

1. POLYETHYLENE TUBING SHALL BE ULTRA HIGH MOLECULAR WEIGHT 200 PSI, IPS PE 3306, SDR7 FOR 1" SERVICE.
2. INSERT STIFFENERS SHALL BE USED WITH POLYETHYLENE TUBING FOR ALL CONNECTIONS.
3. ALL MISCELLANEOUS FITTINGS, TUBING AND ALL ELSE REQUIRED TO MAKE AS COMPLETE CONNECTION TO THE EXISTING SERVICE SHALL BE INCLUDED IN THE UNIT COST FOR "WATER SERVICES".
4. METER COUPLINGS VARY ACCORDING TO METER SIZE:
A.) 5/8" AND 3/4": FORD TYPE C38-23-25 AND FORD TYPE C-18-34 BUSHING, OR APPROVED EQUAL.
B.) 1": FORD TYPE C38-44-2.625, OR APPROVED EQUAL.
C.) 2": FORD TYPE CF31-77, OR APPROVED EQUAL.



TYPICAL WATER SERVICE CONNECTION DETAIL (WWU)

N.T.S.

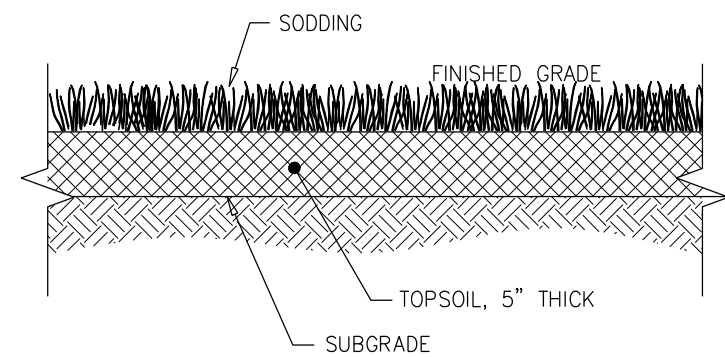


NOTES:

1. BIKE RACK SHALL BE SONANCE MODEL SN05-7 AS MANUFACTURED BY KEYSTONE RIDGE DESIGNS, INC.
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. COLOR TO BE PANTONE 289C - DARK BLUE PER CAPE MAY COUNTY CREATIVE PLACEMAKING PLAN.
4. SEPARATE PAYMENT SHALL NOT BE MADE FOR BIKE RACK FOOTINGS. ALL COSTS SHOULD BE INCLUDED UNDER THE RELATED PAY ITEM.
5. IN THE CASE OF REINSTALLING EXISTING BIKE RACKS, ALL COSTS ASSOCIATED WITH THE RE-INSTALLATION, INCLUDING THE NEW CONCRETE FOOTINGS AND FASTENERS, SHALL BE INCLUDED IN PAY ITEM "CLEARING SITE". NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK.

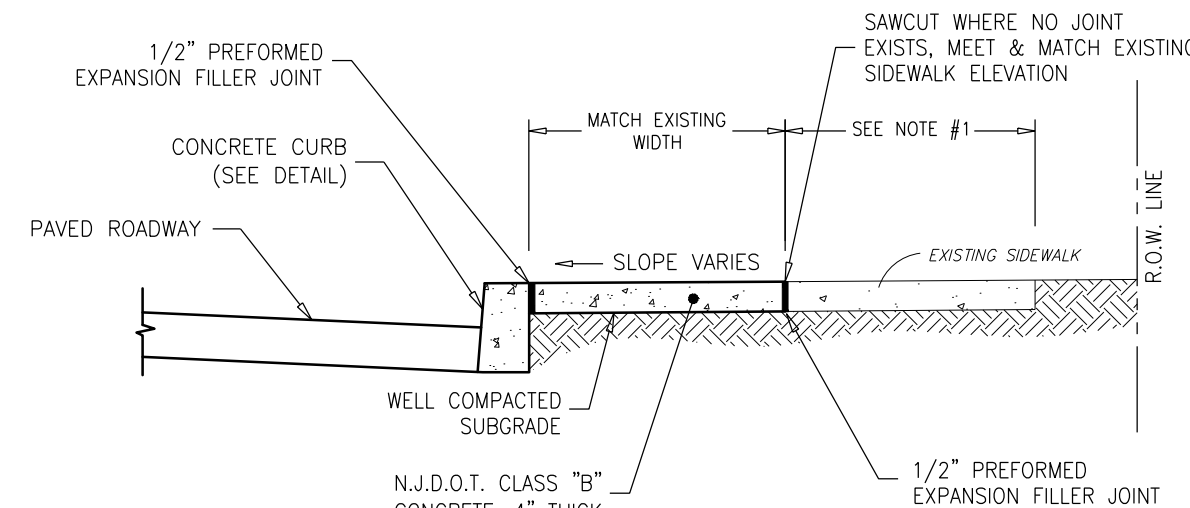
BIKE RACK DETAIL

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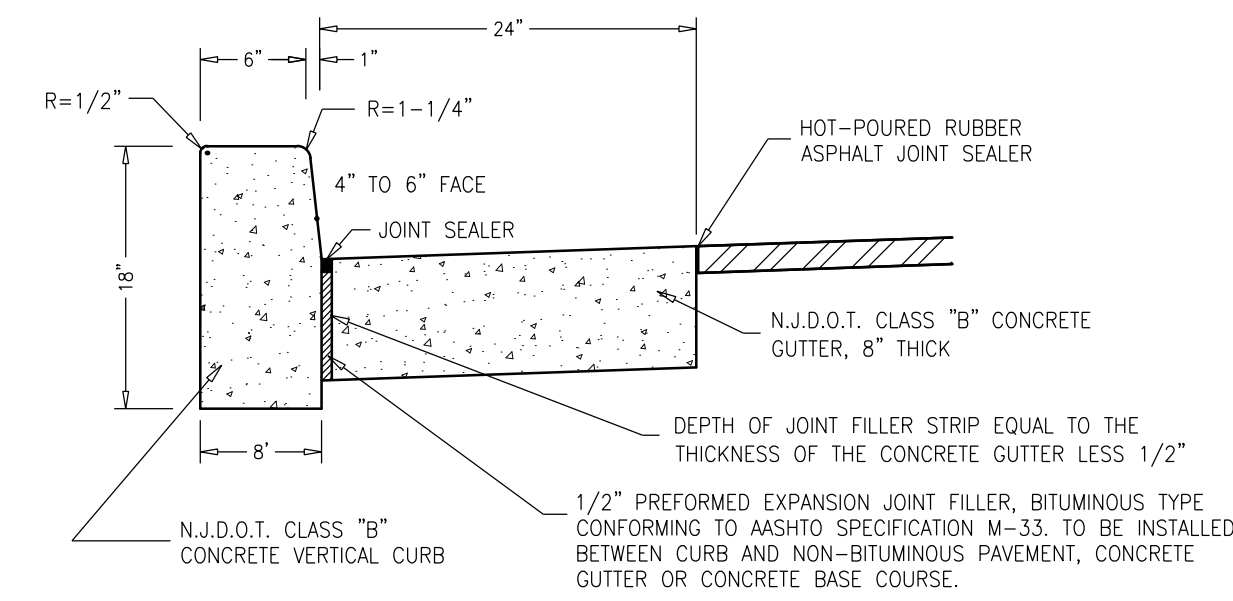
GRASS RESTORATION DETAIL

N.T.S.



CONCRETE SIDEWALK RESTORATION DETAIL

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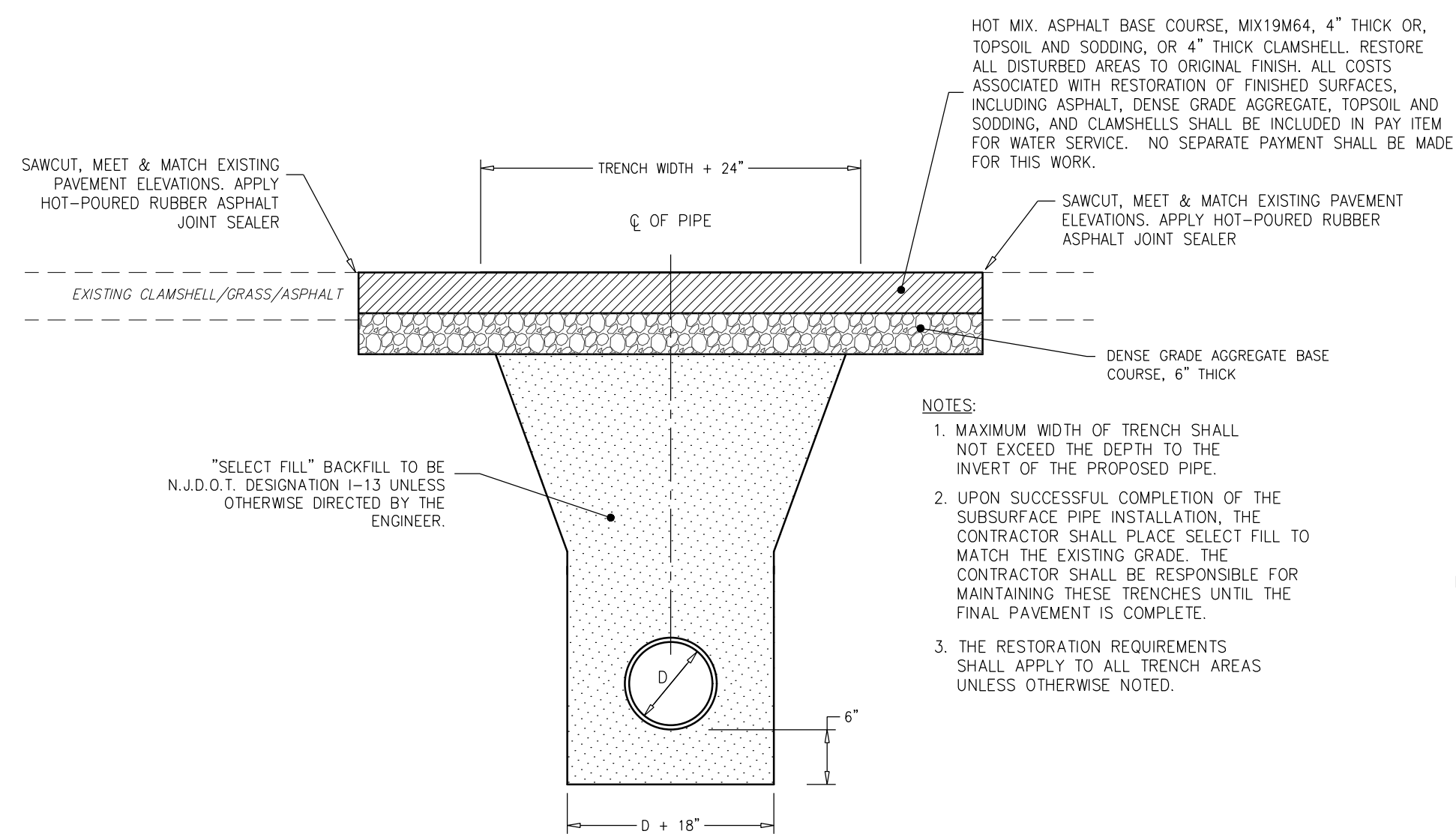


NOTES:

1. TRANSVERSE JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CURB 20"-0" APART AND SHALL BE FILLED WITH PREFORMED, BITUMINOUS-IMPREGNATED FIBER JOINT FILLER, COMPLYING WITH THE REQUIREMENTS OF AASHTO M-213, RECESSED 1/4" FROM THE FRONT FACE AND TOP OF CURB.
2. DUMMY JOINTS (FORMED) SHALL BE INSTALLED MIDWAY BETWEEN EXPANSION JOINTS.

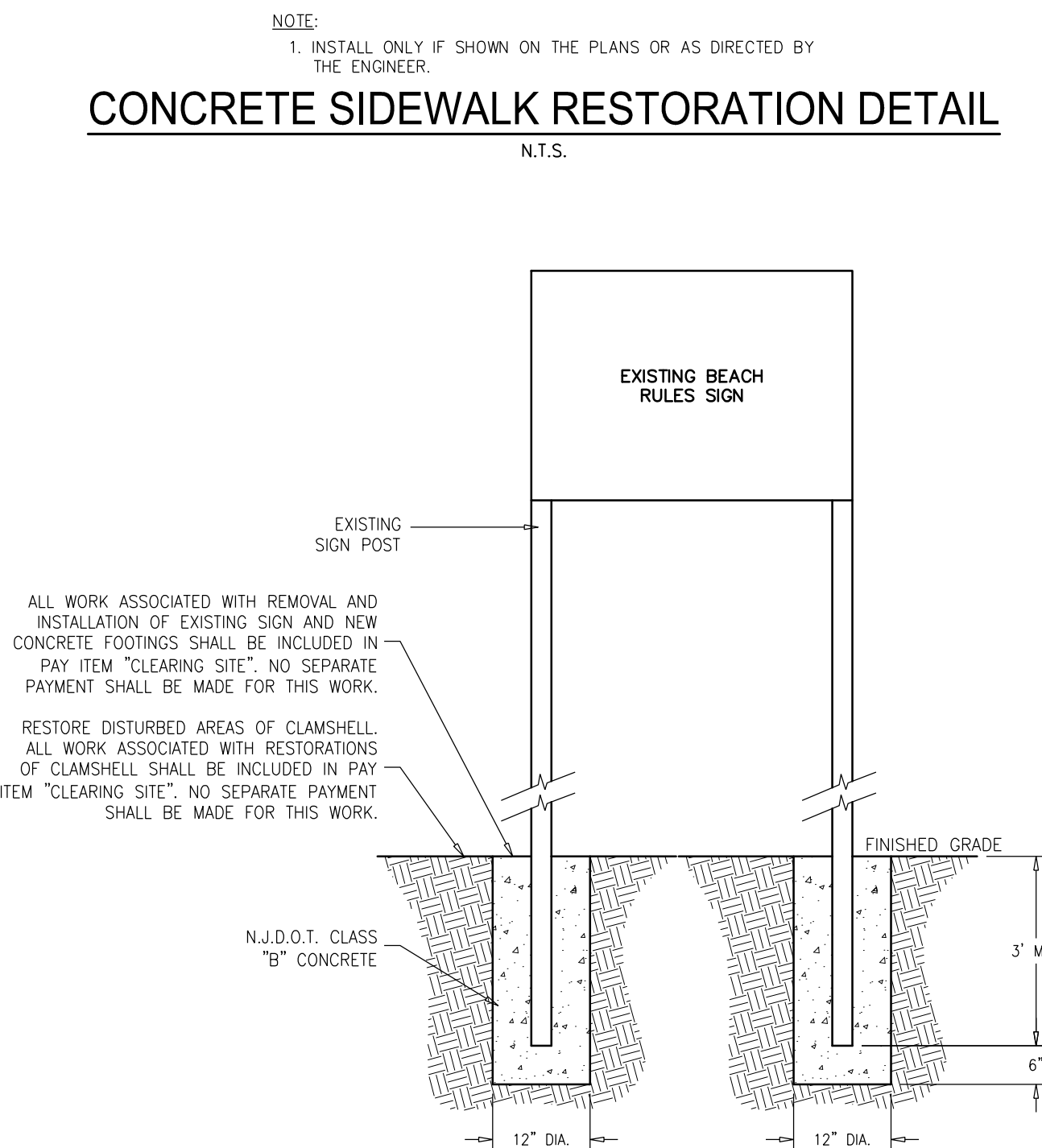
CONCRETE VERTICAL CURB AND CONCRETE GUTTER DETAIL

N.T.S.



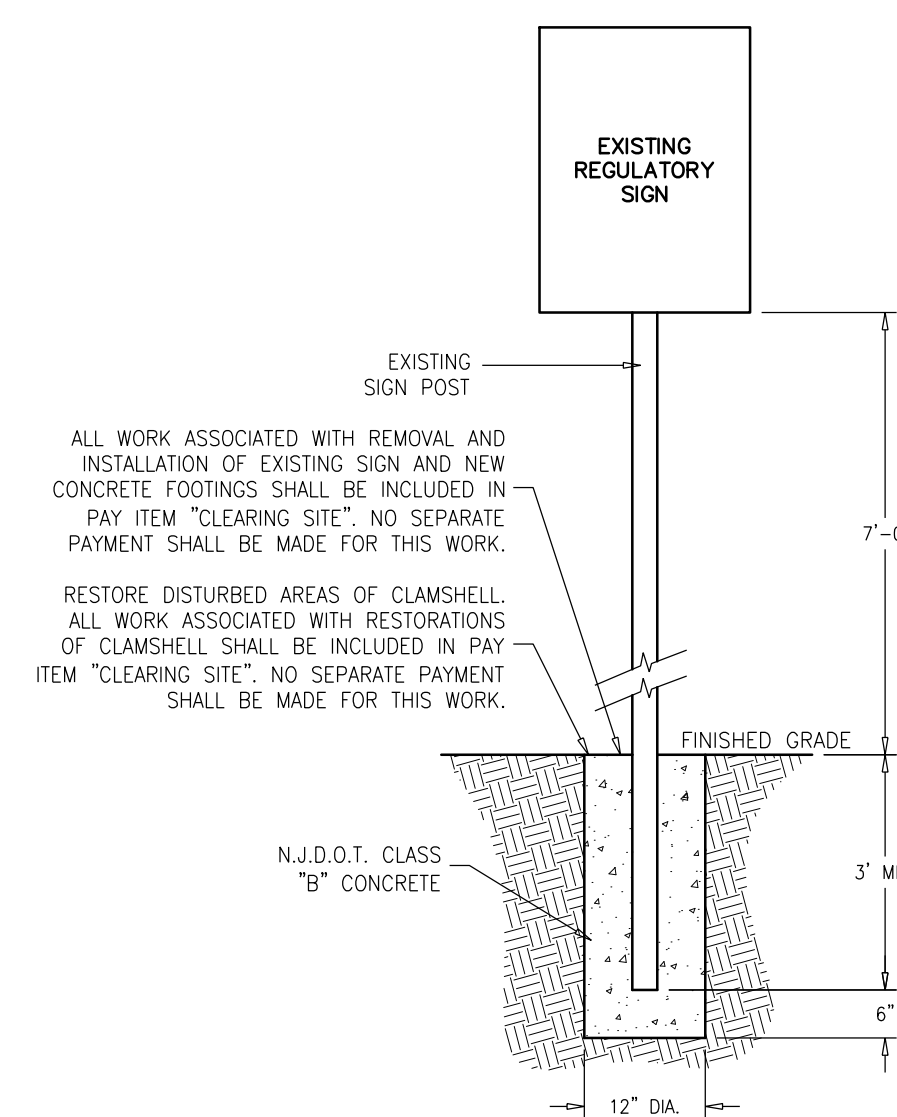
TYPICAL TRENCH RESTORATION DETAIL FOR WATER SERVICES

N.T.S.



EXISTING BEACH SIGN FOOTING DETAIL

N.T.S.



EXISTING SIGN FOOTING DETAIL

N.T.S.

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CONSTRUCTION DETAILS

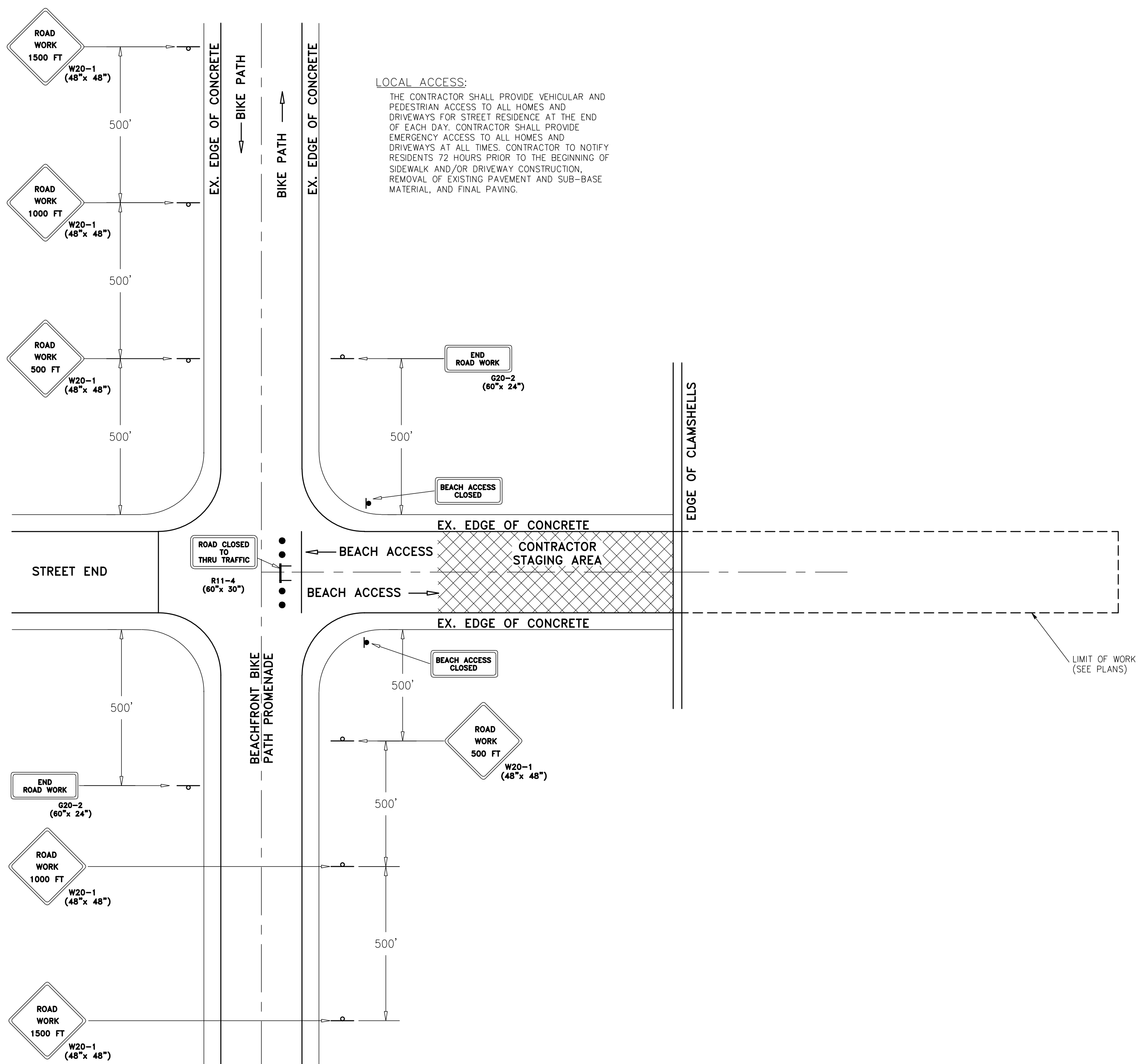
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Scale: AS NOTED
Sheet No: 21
Total: 23



TYPICAL BIKE PATH TRAFFIC CONTROL PLAN / STAGING AREA
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/STAGING AREA
- PAINT STRIPING TRUCK OR OTHER OPERATING VEHICLE

GENERAL NOTES:

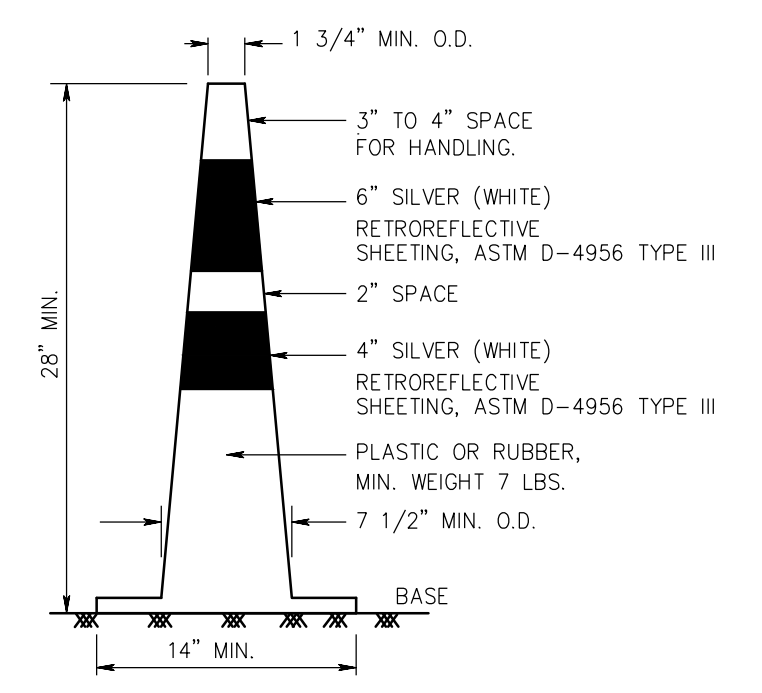
1. ADVANCE WARNING SIGNS, DISTANCES, AND TAPER LENGTHS MAY BE EXTENDED, AT DIRECTION OF THE ENGINEER, TO ADJUST FOR REDUCED VISIBILITY DUE TO HORIZONTAL AND VERTICAL CURVATURE OF THE ROADWAY.
2. THE APPROXIMATE LOCATIONS OF THE ILLUMINATED FLASHING ARROW BOARDS ARE SHOWN ON THE TRAFFIC CONTROL PLANS. 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 CLOSURES 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 TAPERS IN FEET	MAXIMUM DEVICE (D) SPACING ALONG TANGENTS IN FEET	
25	10.5:1	105	115	25	50
30	15:1	150	165	30	60
35	20.5:1	205	225	35	70
40	27:1	270	300	40	80
45	45:1	450	495	45	90
50	50:1	500	550	50	100
55	55:1	550	605	55	110
60	60:1	600	660	60	120
65	65:1	650	715	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 MANEUVER 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.

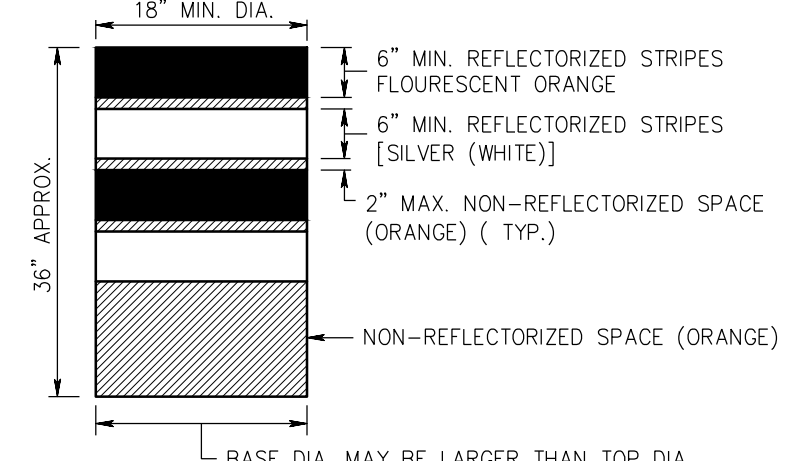


NOTES:
TRAFFIC CONES MUST BE PREDOMINATELY ORANGE IN COLOR.
BASES MAY BE OF BREAKAWAY BALLASTED TYPE.
MINOR MANUFACTURER'S VARIATIONS MAY BE ACCEPTABLE UPON APPROVAL OF THE ENGINEER.

TRAFFIC CONES
N.T.S.

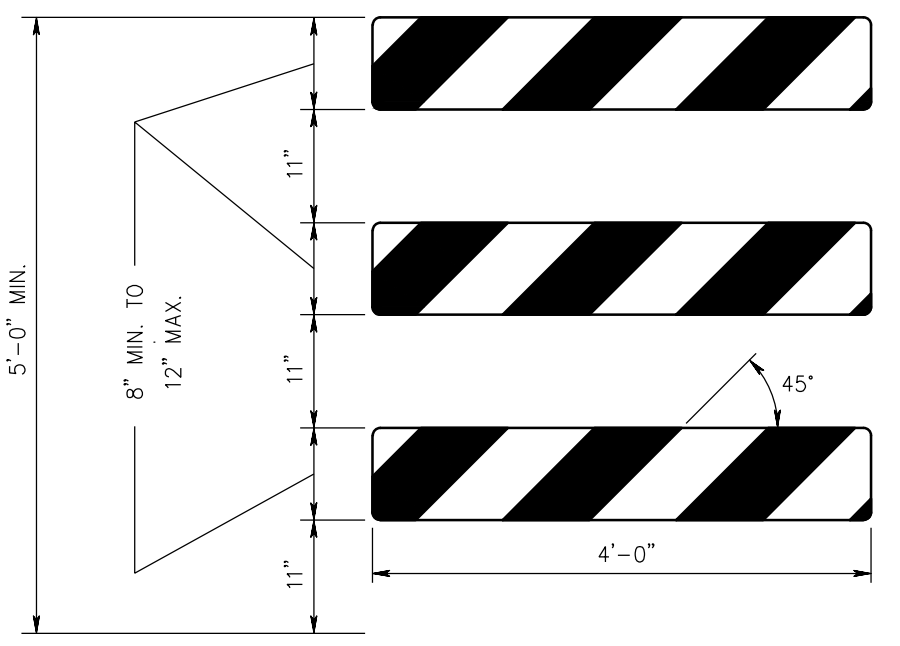
DRUMS SHALL BE MADE OF ORANGE PLASTIC WITH A MINIMUM OF FOUR ALTERNATE FLOURESCENT ORANGE AND SILVER (WHITE) RETROREFLECTIVE STRIPES. IF THERE ARE NON-REFLECTORIZED SPACES BETWEEN THE STRIPES, THEY SHALL BE NO MORE THAN 2" WIDE. ENSURE RETROREFLECTIVE SHEETING FOR STRIPES CONFORMS WITH ASTM D 4956 TYPE VII OR VII 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.

TRAFFIC CONTROL PLAN & DETAILS

DeBlasio & Associates
CONSULTING ENGINEERS AND PLANNERS

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