

PROPERTY OWNERS WITHIN 200 FEET

The Borough of Sayreville
TAX ASSESSOR'S OFFICE
107 MAIN STREET - SAYREVILLE, NJ 08872
TEL: 732-986-7888 - FAX: 732-984-3139

List of property owners within a 200' radius of the following Blocks & Lots (Gibbons):

BLOCKS	LOTS	OWNER
257	1, 2 & 3, 102	Consolidated Rail Corporation Norfolk Southern - Taxation Department 650 West Peachtree Street NW Atlanta, GA 30308
257.01	1, 1.01, 1.10, 4, 5, 6, 20 & 30, 12	Consolidated Rail Corporation Norfolk Southern - Taxation Department 650 West Peachtree Street NW Atlanta, GA 30308
257.02	1, 1.01 & 22	Borough of Sayreville 167 Main Street Sayreville, NJ 08872
256	2.03	Sayreville Economic & Redevelopment Agency 167 Main Street Sayreville, NJ 08872
256	3 & 3.01	Sayreville Economic & Redevelopment Agency 167 Main Street Sayreville, NJ 08872
256.01	10	Middlesex County Utilities Authority P.O. Box 159 Sayreville, NJ 08872
257	3.06	Faith Fellowship Ministries, Inc. 2707 Main Street Sayreville, NJ 08872
257.01	1.03 & 3.01	Middlesex County Utilities Authority P.O. Box 159 Sayreville, NJ 08872

BLOCK	257.01	Middlesex County Utilities Authority P.O. Box 159 Sayreville, NJ 08872
LOT	1.07	
BLOCK	257.01	Sayreville Economic & Redevelopment Agency 167 Main Street Sayreville, NJ 08872
LOT	30.10	
BLOCK	257.01	Sayreville Economic & Redevelopment Agency 167 Main Street Sayreville, NJ 08872
LOT	30.11	
BLOCK	275.02	New Jersey Turnpike Authority Turnpike & Highway 15 East Brunswick, NJ 08816
LOT	1	
BLOCK	326.01	C & K International, LLC 2400 Main Street Sayreville, NJ 08872
LOT	5	
BLOCK	326.01	New Jersey Turnpike Authority 581 Main Street Woodbridge, NJ 07095
LOT	6	
GARDEN STATE PARKWAY		Garden State Parkway New Jersey Turnpike Authority P.O. Box 5042 Woodbridge, NJ 07095
EASEMENT		Borough of Sayreville 167 Main Street Sayreville, NJ 08872
EASEMENT		Middlesex County Utilities Authority P.O. Box 159 Sayreville, NJ 08872

This is to certify that the preceding list of names, addresses and block and lot numbers are, to the best of my knowledge, within a 200' radius of properties known as:

BLOCKS	LOTS
257	3, 4 & 3, 102
257.01	1, 1.01, 1.10, 4, 5, 6, 20 & 30, 12
257.02	1, 1.01 & 22

as shown on the official tax map for the Borough of Sayreville.

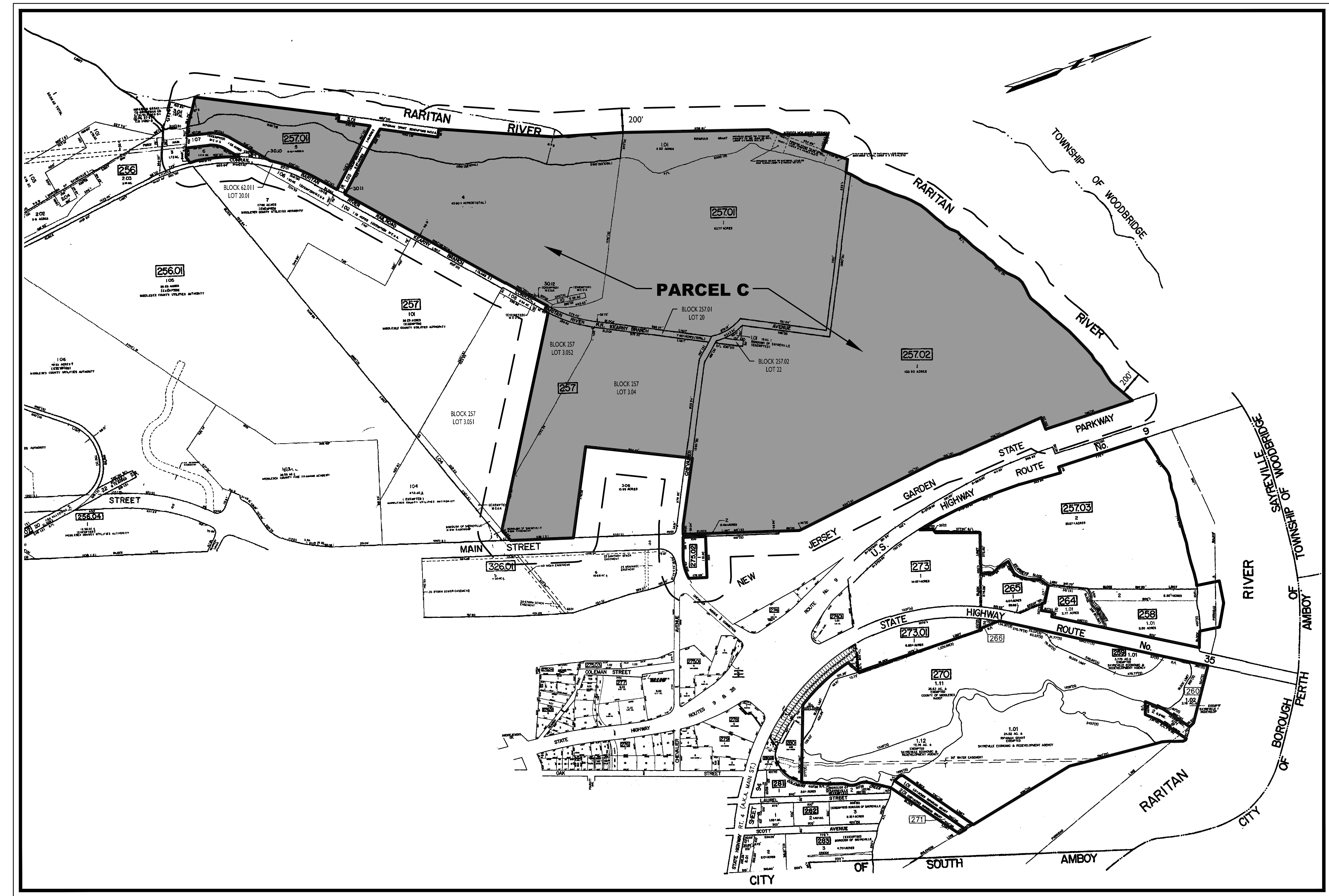
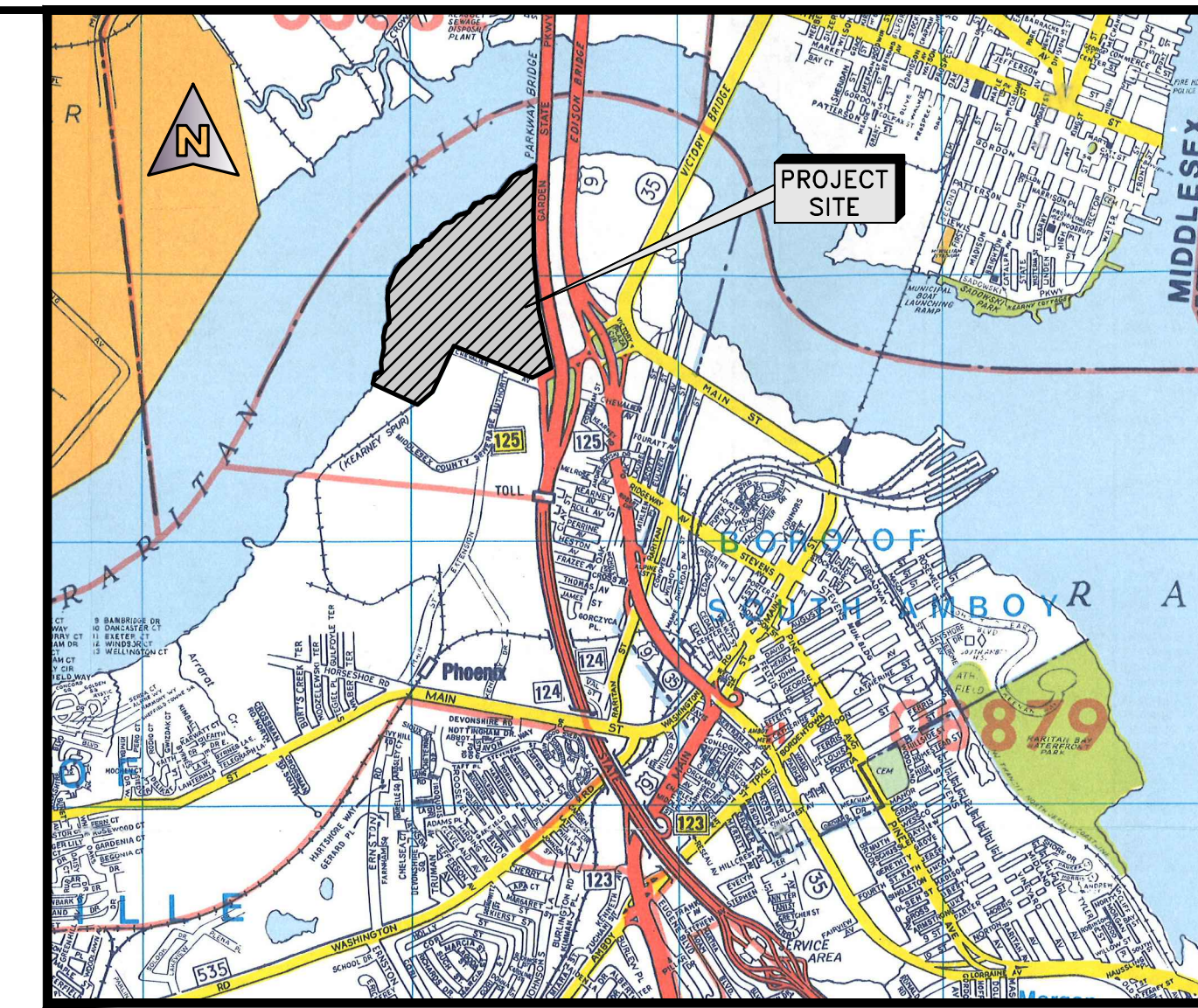
Date: February 15, 2023

Joseph J. Kuchta, Jr.
Tax Assessor

Be advised that these records may contain information governed by L. 2015, c. 238 and L. 2016, c. 125, which include civil and criminal penalties for improper disclosure.

- SAYREVILLE UTILITIES LIST (2022)**
- NJDEP
35 West State Street
P.O. Box 42
Trenton, NJ 08625
 - Middlesex County Planning Board
75 Bayard Street - 3rd Floor
New Brunswick, NJ 08902
732-745-3812
 - NJDOT
David Goldberg Transportation Center
1028 Parkway Avenue
P.O. Box 600
Trenton, NJ 08625
 - NJ Natural Gas Company
John Wyckoff Road
P.O. Box 1484
Wall, NJ 07719
 - Calverton
275 Centerville Avenue CN8805
Princeton, NJ 08540-8805
Attn: Construction Department
732-953-3850
 - Middlesex County Landfill
53 Edgemoor Road
East Brunswick, NJ 08816-1636
732-248-4313
 - Consolidated Rail Corporation
1717 Arch Street c/o 200 Market Street
Philadelphia, PA 19102
 - Verizon New Jersey
7000 Valley Road
South Plainfield, NJ 07080
800-732-8211
 - OR
540 Broad Street - 20th Floor
Newark, NJ 07102
 - PSE&G
18 Howe Lane
New Brunswick, NJ 08902
732-721-7000
 - OR
80 Park Plaza
Newark, NJ 07102
 - JCP&L - c/o 1st Energy
300 Madison Avenue
P.O. Box 1915
Morristown, NJ 07960-1911
Attn: Corporate Properties
732-723-9809 or 1-800-962-3115
 - Borough of Sayreville Water & Sewer
167 Main Street
Sayreville, NJ
732-986-7060
 - Middlesex County Utilities Authority (MCUA)
P.O. Box 159
2571 Main Street
Sayreville, NJ 08872-0088
 - Transcontinental Gas Pipeline
315 Coal Hill Road
Lansdowne, NJ 08040
Attn: Robert Ford
1-800-445-8475
 - OR
P.O. Box 1398
Houston, TX 77251

PHASE 1A BASS PRO BUILDING SITE FOR SAYREVILLE SEAPORT ASSOCIATES BLOCK 257.02, LOT 7 BOROUGH OF SAYREVILLE MIDDLESEX COUNTY, NEW JERSEY



KEY & ZONING MAP

SCALE: 1" = 500'

APPROVED BY THE PLANNING BOARD OF THE BOROUGH OF SAYREVILLE AT THE REGULAR MEETING OF _____ DATE _____

CHAIRMAN _____ DATE _____

SECRETARY _____ DATE _____

ENGINEER _____ DATE _____

LOCATION MAP
1" = 3,280' (APPROX.)

- OWNER: SAYREVILLE ECONOMIC AND REDEVELOPMENT AGENCY
167 MAIN STREET
SAYREVILLE, NJ 08872
- APPLICANT: SAYREVILLE SEAPORT ASSOCIATES URBAN RENEWAL, L.P.
610 FOUR REAL ESTATE
655 BROAD STREET
14th FLOOR
NEWARK, NJ 07102
- PARKING REQUIREMENT PER WATERFRONT REDEVELOPMENT PLAN:

	REQUIRED	PROPOSED
PARKING BASS PRO (191.43 SF) x 4 SPACES/1,000	794	1,116*
LOT COVERAGE MAXIMUM ALLOWABLE LOT COVERAGE	75%	16.61%
LOT COVERAGE SHALL BE CALCULATED BASED ON THE TOTAL AREA OF PARCELS A, B AND C (418 ACRES)		
EXISTING IMPERVIOUS	25.96 ACRES	
PROPOSED IMPERVIOUS	44.42 ACRES	
TOTAL IMPERVIOUS	69.42 ACRES	

* FORTY FIVE (45) SPACES ARE TO BE ELECTRIC VEHICLE "MAKE-READY" SPACES, OF WHICH A MINIMUM OF THREE (3) ARE TO BE ACCESSIBLE.

INDEX OF SHEETS	
SHT. No.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES AND LEGEND
3	EXISTING SITE CONSTRAINTS
4	OVERALL DIMENSION PLAN
5-6	DIMENSION PLANS
7-8	UTILITY PLANS
9-10	GRADING PLANS
11-12	SOIL EROSION AND SEDIMENT CONTROL PLANS
13-14	SOIL EROSION AND SEDIMENT CONTROL DETAILS
15-16	LIGHTING PLANS
17	LIGHTING DETAILS
18-19	PROFILES
20-26	CONSTRUCTION DETAILS

Colliers
Engineering & Design
www.colliersengineering.com
Copyright © 2023. Colliers Engineering & Design, Inc. All rights reserved. This drawing and all the information contained herein is authorized for use only by the party for whom the services were contracted or to whom it is issued. This drawing shall not be copied, revised, discarded, distributed or relied upon for any other purpose without the express written consent of Colliers Engineering & Design.

Doing Business as **MASER**

811
PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, OPERATORS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE OWNERS IN ANY STATE
Know what's below.
Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	02/15/2023	SUBMISSION TO DRA.	RM	DWB
2	02/15/2023	REVISIONS	RM	DWB
3	02/15/2023	REVISIONS	RM	DWB
4	02/15/2023	REVISIONS	RM	DWB

Daniel W. Busch
DANIEL W. BUSCH
NEW JERSEY PROFESSIONAL ENGINEER - LICENSE NUMBER: 6442093

PHASE 1A BASS PRO BUILDING SITE
FOR
SAYREVILLE SEAPORT ASSOCIATES
BLOCK 257.02 LOT 7
BOROUGH OF SAYREVILLE MIDDLESEX COUNTY NEW JERSEY

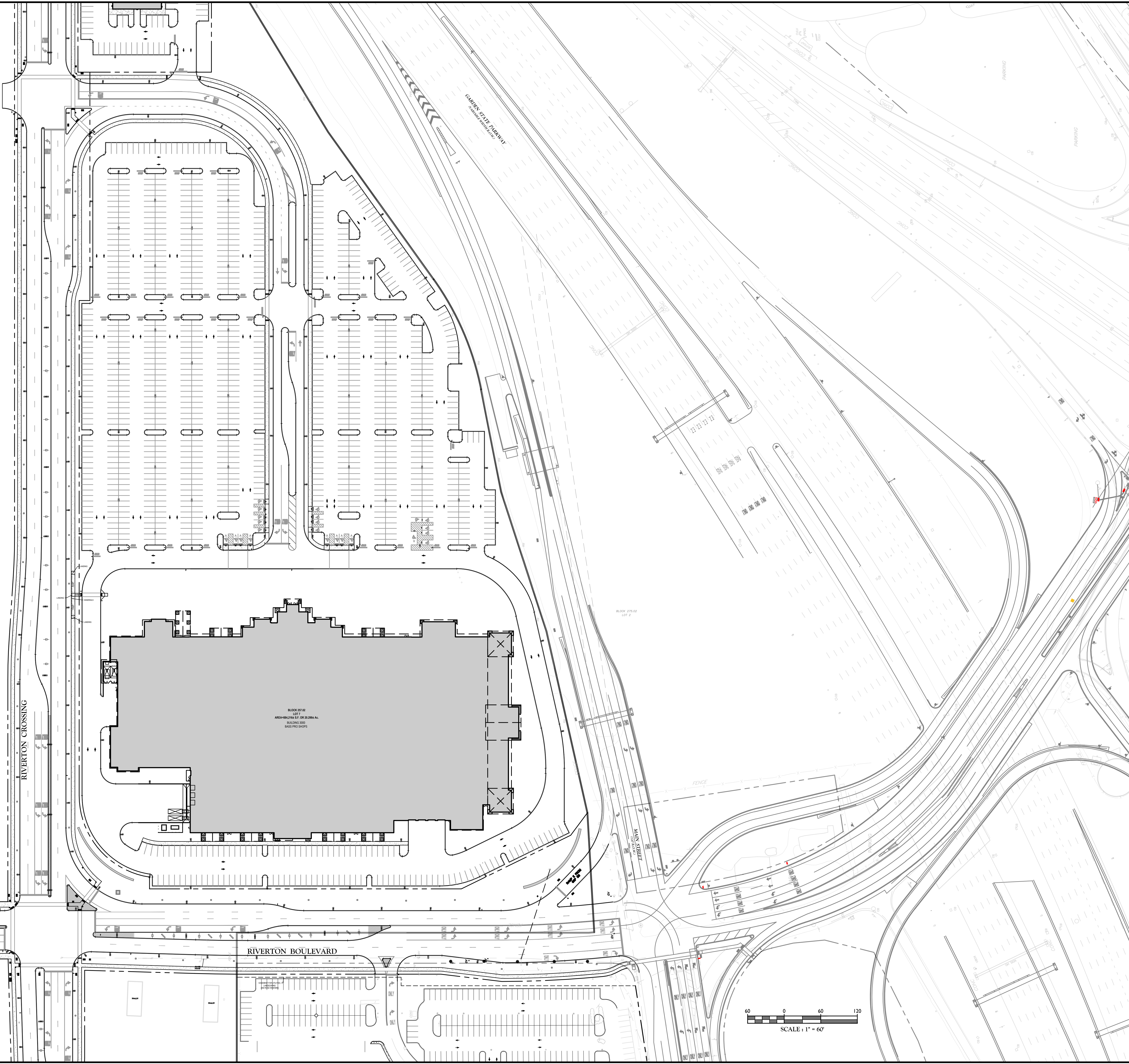
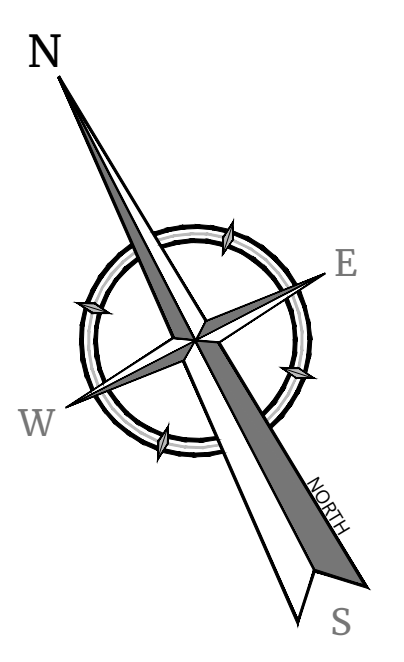
Colliers
Engineering & Design
HOLMDEL (Headquarters)
331 Newnam Springs Road, Suite 203
Red Bank, NJ 07071
Phone: 732-983-1950
COLLIERS ENGINEERING & DESIGN, INC.
DOING BUSINESS AS MASER CONSULTING

SCALE: AS SHOWN DATE: 02/15/2023 DRAWN BY: RM CHECKED BY: DWB
PROJECT NUMBER: 050005050 DRAWING NAME: C-COVER-BASS-PRO-ASP

SHEET TITLE: COVER SHEET
SHEET NUMBER: 1 of 26

Colliers
Engineering & Design
www.colliersengineering.com
Copyright © 2023 Colliers Engineering & Design, Inc. All rights reserved. The drawing and all the information contained herein is authorized for use only by the party for whom the services were rendered or to whom it is rendered. This drawing may not be copied, revised, discarded, distributed or used upon for any other purpose without the express written consent of Colliers Engineering & Design.

Doing Business as **MASER**
811 PROTECT YOURSELF
Call before you dig. ALL STATES REQUIRE NOTIFICATION OF UTILITIES, OWNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM



REV	DATE	DRAWN BY	DESCRIPTION

REV	DATE	DRAWN BY	DESCRIPTION
1	04/20/23	RM	SUBMISSION TO DBA
2	04/20/23	RM	REVISOR PARKING COUNT
3	04/20/23	RM	REVISOR FOR PLANNING BOARD SUBMISSION

DANIEL W. BUSCH
NEW JERSEY PROFESSIONAL ENGINEER - LICENSE NUMBER: GE42093

PHASE 1A BASS PRO BUILDING SITE
FOR
SAYREVILLE SEAPORT ASSOCIATES

BLOCK 257.02
LOT 7
BOROUGH OF SAYREVILLE
MIDDLESEX COUNTY
NEW JERSEY

Colliers
Engineering & Design
#

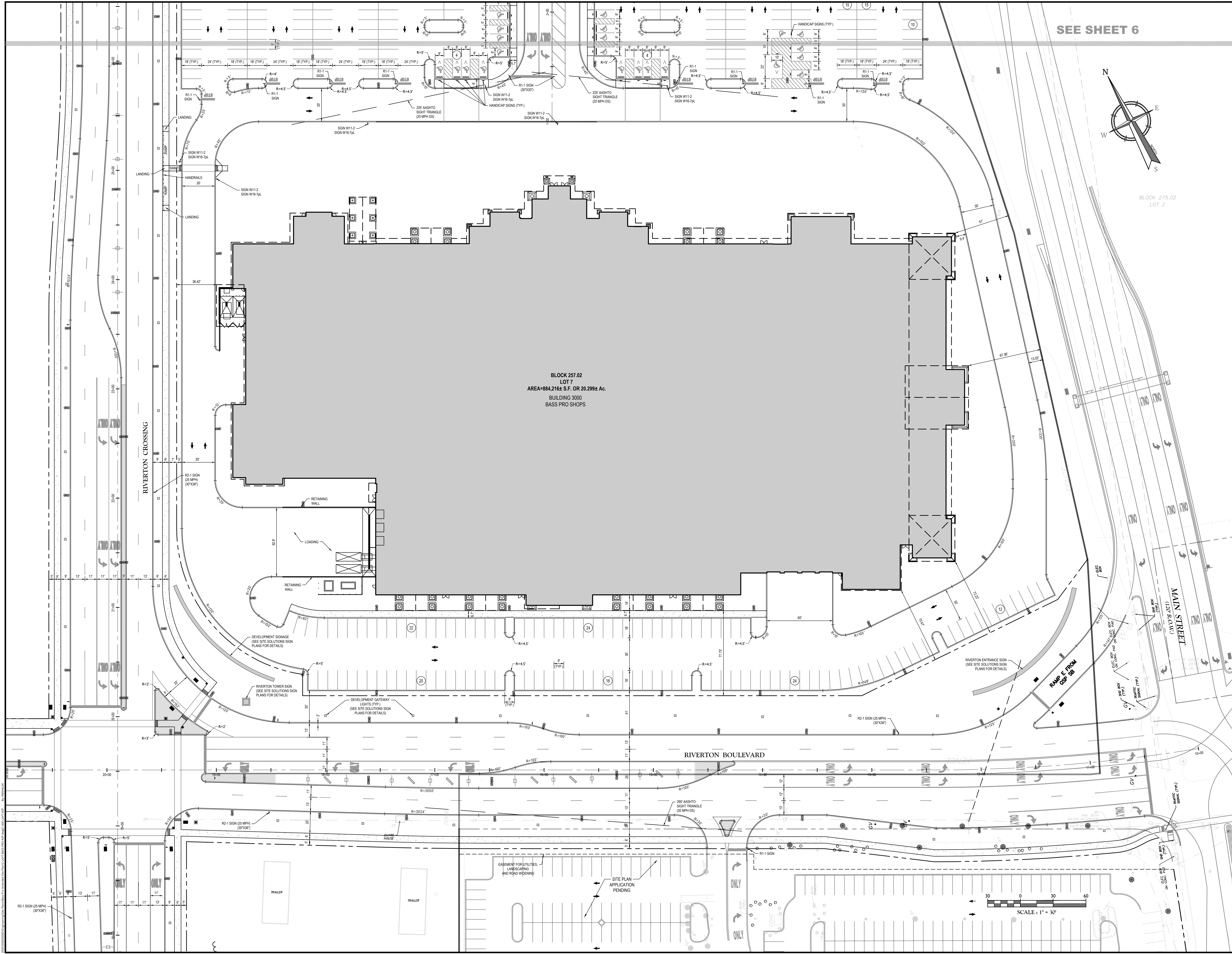
HOLMDEL (Headquarters)
331 Newtown Springs Road,
Suite 203
Red Bank, NJ 07701
Phone: 732.383.1950
COLLIERS ENGINEERING & DESIGN, INC.
DOING BUSINESS AS MASER CORP. (TWO)

SCALE:	DATE:	DRAWN BY:	CHECKED BY:
AS SHOWN	07/20/23	RM	DWB
PROJECT NUMBER:	DRAWING NAME:		
050005001	C-LAYT-BASS-PRO-ASP		

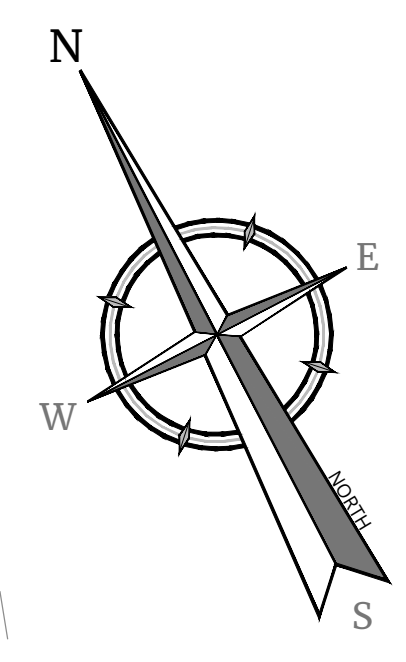
SHEET TITLE:
OVERALL DIMENSION PLAN

SHEET NUMBER:
4 of 26

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



SEE SHEET 6



BLOCK 275.02
LOT 2

BLOCK 257.02
LOT 7
AREA=884,216± S.F. OR 20.299± Ac.
BUILDING 3000
BASS PRO SHOPS

RIVERTON CROSSING

RIVERTON BOULEVARD

MAIN STREET
(22' ROW)

RAMP E FROM
SR 99

Colliers
Engineering & Design
www.colliersengineering.com
Copyright © 2023 Colliers Engineering & Design, Inc. All rights reserved. The drawing and all the information contained herein is authorized for use only by the party for whom the services were rendered and is subject to modification. This drawing may not be copied, revised, disclosed, distributed or used for any other purpose without the express written consent of Colliers Engineering & Design.

Doing Business as **MASER**
811
PROTECT YOURSELF
Call before you dig.
Know what's below.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

REV	DATE	DESCRIPTION

REV	DATE	DESCRIPTION	DRAWN BY
1	01/20/23	SUBMISSION TO OHA	RM
2	01/20/23	REVISED PARKING COUNT	RM
3	01/20/23	REVISED FIRE FIGHTING BOARD SUBMISSION	RM

Daniel W. Busch
DANIEL W. BUSCH
NEW JERSEY PROFESSIONAL ENGINEER - LICENSE NUMBER: 642093

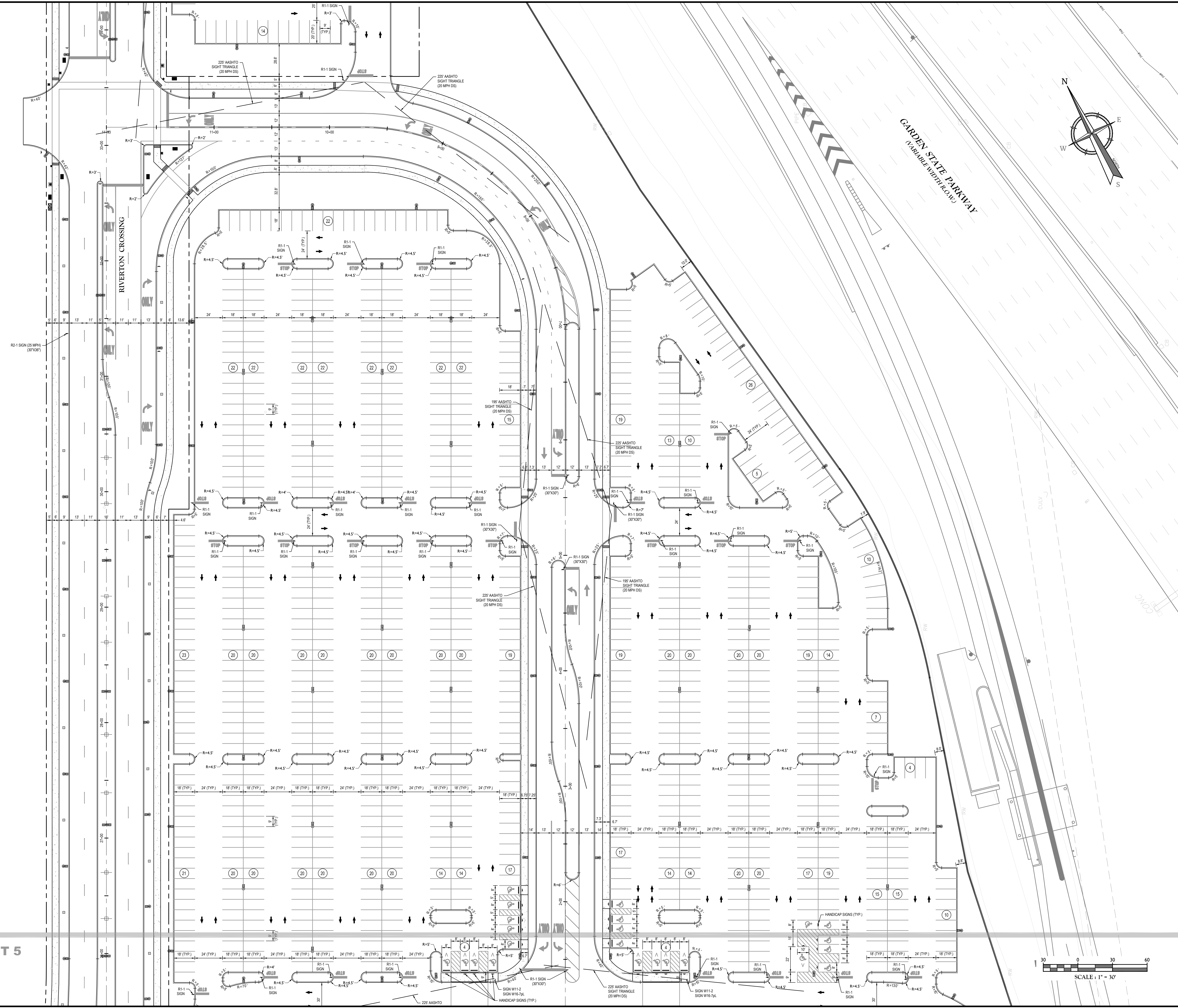
PHASE 1A BASS PRO BUILDING SITE
FOR SAYREVILLE SEAPORT ASSOCIATES
BLOCK 257.02 LOT 7
BOROUGH OF SAYREVILLE MIDDLESEX COUNTY NEW JERSEY

Colliers
Engineering & Design
HOLMDEL (Headquarters)
331 Newtown Springs Road, Suite 203
Red Bank, NJ 07701
Phone: 732.983.1950
COLLIERS ENGINEERING & DESIGN, INC.
DOING BUSINESS AS MASER CONSULTING

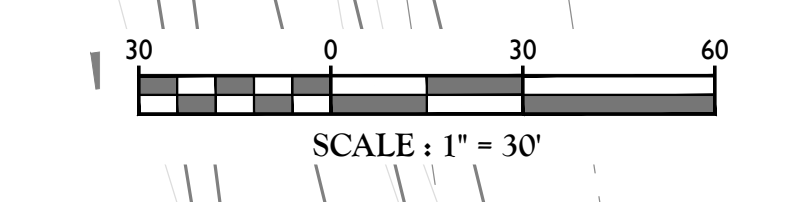
SCALE:	DATE:	DRAWN BY:	CHECKED BY:
AS SHOWN	01/20/2023	RM	DWB
PROJECT NUMBER:	DRAWING NAME:		
05000500F	C-LAYT-BASS-PRO-ASP		

SHEET TITLE: **DIMENSION PLAN**
SHEET NUMBER: **5 of 26**

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



SEE SHEET 5



Colliers
Engineering & Design

www.colliersengineering.com

Copyright © 2023 Colliers Engineering & Design, Inc. All rights reserved. The drawing and all the information contained herein is authorized for use only by the party for whom the services were rendered or to whom it is supplied. This drawing may not be copied, revised, discarded, distributed or relied upon for any other purpose without the express written consent of Colliers Engineering & Design.

Doing Business as

811
Know what's below. Call before you dig.

PROTECT YOURSELF ALL STATES REQUIRE NOTIFICATION OF EDUCATORS, ENGINEERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE AND/OR TO ANY STATE

FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

REV	DATE	DESCRIPTION	BY
1	11/20/23	ISSUED FOR PERMITS	RM
2	11/20/23	ISSUED FOR PERMITS	RM
3	11/20/23	ISSUED FOR PERMITS	RM

DANIEL W. BUSCH
NEW JERSEY PROFESSIONAL ENGINEER - LICENSE NUMBER: 0642093

PHASE 1A BASS PRO BUILDING SITE
FOR
SAYREVILLE SEAPORT ASSOCIATES

BLOCK 257.02
LOT 7
BOROUGH OF SAYREVILLE
MIDDLESEX COUNTY
NEW JERSEY

Colliers
Engineering & Design

HOLMDEL (Headquarters)
531 Newtown Springs Road,
Suite 203
Red Bank, NJ 07701
Phone: 732.383.1950
COLLIERS ENGINEERING & DESIGN, INC.
DOING BUSINESS AS MASER CONSULTING

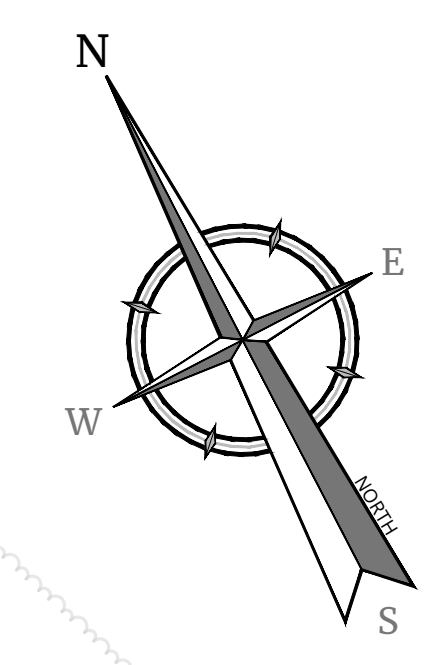
SCALE	DATE	DRAWN BY	CHECKED BY
AS SHOWN	07/3/2023	RM	DWB

SHEET TITLE
DIMENSION PLAN

SHEET NUMBER
6 of 26

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

SEE SHEET 8



Engineering & Design

www.colliersengineering.com

Doing Business as MASER

811 PROTECT YOURSELF... Call before you dig... FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

Table with columns: REV, DATE, DRAWN BY, DESCRIPTION. Contains revision history for the drawing.

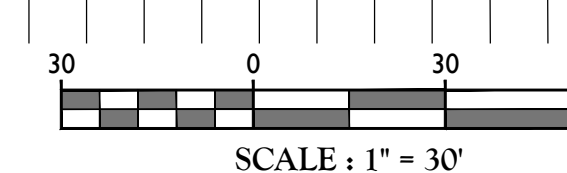
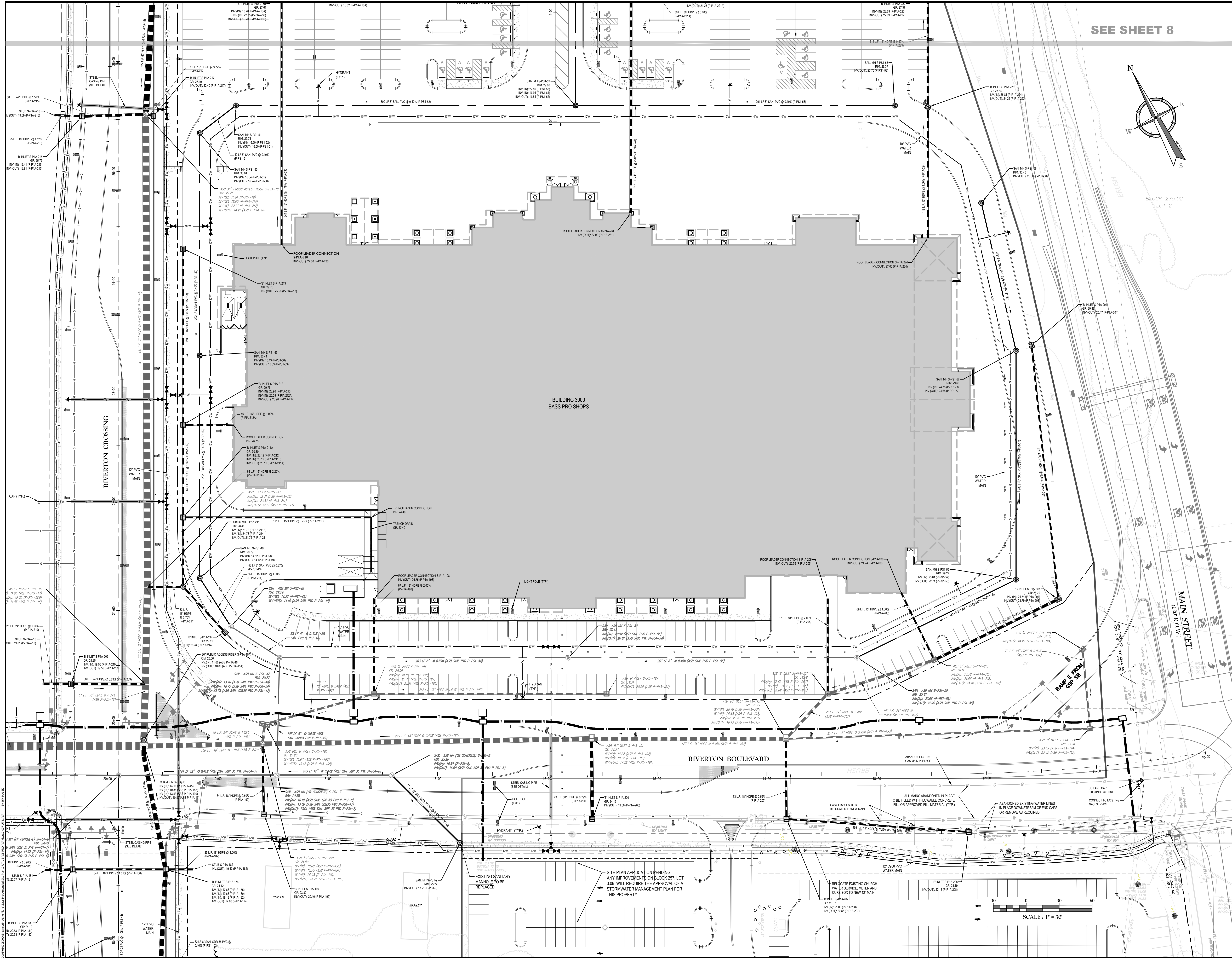
Table with columns: REV, DATE, DRAWN BY, DESCRIPTION. Contains revision history for the drawing.

Daniel W. Busch, Engineer, License Number: GE04293

PHASE 1A BASS PRO BUILDING SITE FOR SAYREVILLE SEAPORT ASSOCIATES

BLOCK 257.02 LOT 7 BOROUGHS OF SAYREVILLE MIDDLESEX COUNTY NEW JERSEY

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



SCALE: 1" = 30'

SITE PLAN APPLICATION PENDING. ANY IMPROVEMENTS ON BLOCK 257, LOT 3.05 WILL REQUIRE THE APPROVAL OF A STORMWATER MANAGEMENT PLAN FOR THIS PROPERTY.

RELOCATE EXISTING CHURCH WATER SERVICE, METER AND CURB BOX TO NEW 12" MAIN

ABANDONED EXISTING WATER LINES IN PLACE DOWNSTREAM OF END CAPS OR REMOVE AS REQUIRED

ALL MAINS ABANDONED IN PLACE TO BE FILLED WITH 150MM CONCRETE FULL OR APPROVED FILL MATERIAL (TYP)

ABANDON EXISTING GAS MAIN IN PLACE

CONNECT TO EXISTING GAS SERVICE

CUT AND CAP EXISTING GAS LINE

EXISTING SANITARY MANHOLE TO BE REPLACED

HYDRANT (TYP)

STEEL CASING PIPE (SEE DETAIL)

12" PVC WATER MAIN

12" PVC WATER MAIN

12" PVC WATER MAIN

12" PVC WATER MAIN

12" PVC WATER MAIN

12" PVC WATER MAIN

12" PVC WATER MAIN

12" PVC WATER MAIN

12" PVC WATER MAIN

12" PVC WATER MAIN

12" PVC WATER MAIN

12" PVC WATER MAIN

12" PVC WATER MAIN

12" PVC WATER MAIN

12" PVC WATER MAIN

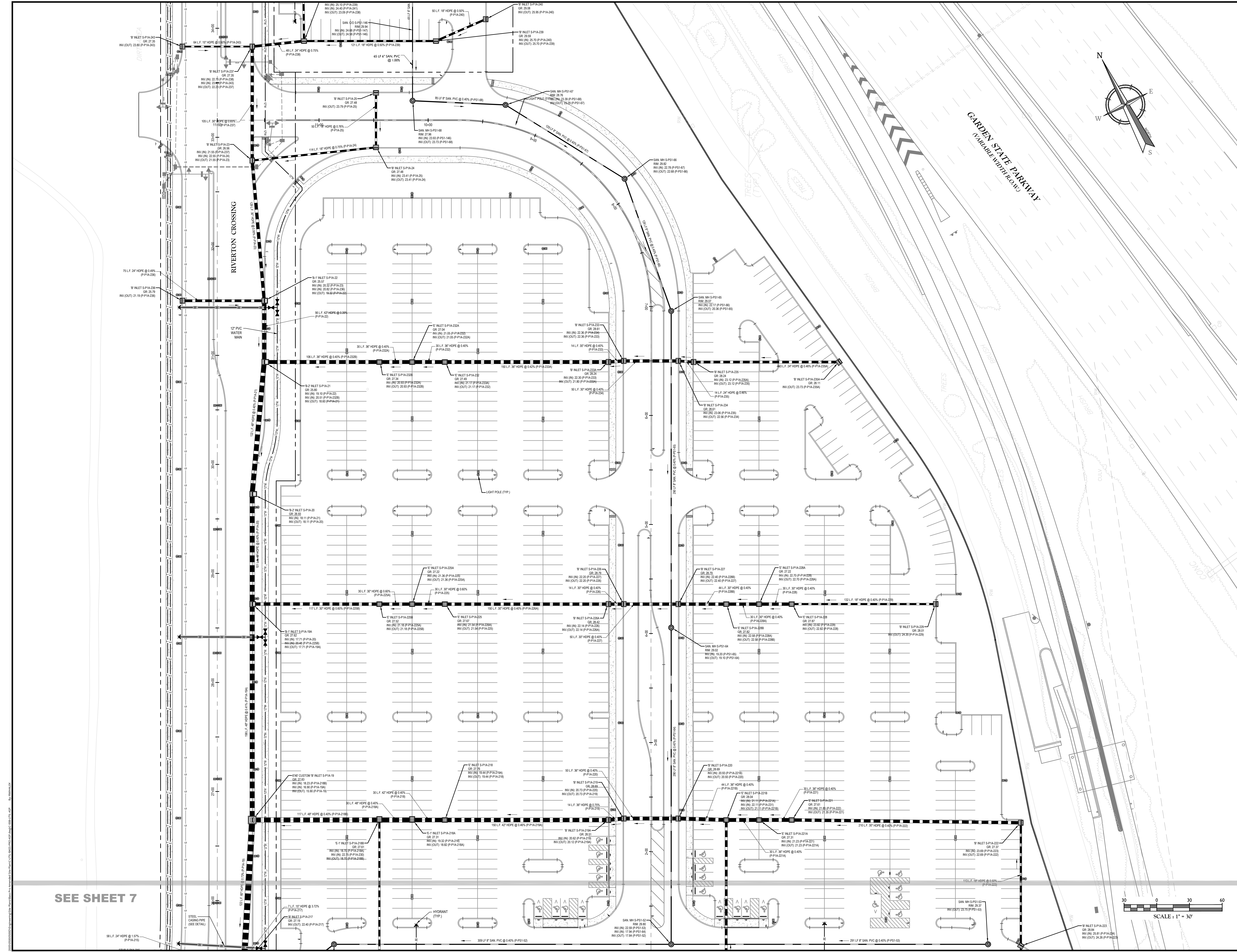
12" PVC WATER MAIN

12" PVC WATER MAIN

12" PVC WATER MAIN

12" PVC WATER MAIN

12" PVC WATER MAIN



Colliers
Engineering & Design
www.colliersengineering.com

Doing Business as **MASER**

811
Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

REV	DATE	DESCRIPTION	DRAWN BY	DATE	DESCRIPTION
1	04/20/23	ISSUED FOR PERMITS	RM		
2	04/20/23	ISSUED FOR PERMITS	RM		
3	04/20/23	ISSUED FOR PERMITS	RM		

REV	DATE	DESCRIPTION	DRAWN BY	DATE	DESCRIPTION
1	04/20/23	ISSUED FOR PERMITS	RM		
2	04/20/23	ISSUED FOR PERMITS	RM		
3	04/20/23	ISSUED FOR PERMITS	RM		

Daniel W. Busch
DANIEL W. BUSCH
NEW JERSEY PROFESSIONAL ENGINEER - LICENSE NUMBER: 642093

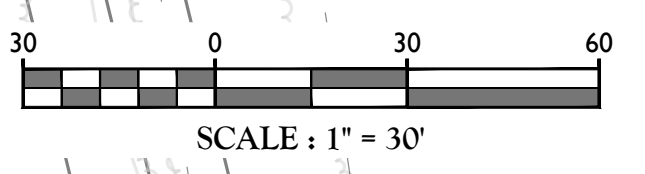
PHASE 1A BASS PRO BUILDING SITE
FOR SAYREVILLE SEAPORT ASSOCIATES
BLOCK 257.02 LOT 7
BOROUGH OF SAYREVILLE MIDDLESEX COUNTY NEW JERSEY

Colliers
Engineering & Design
#

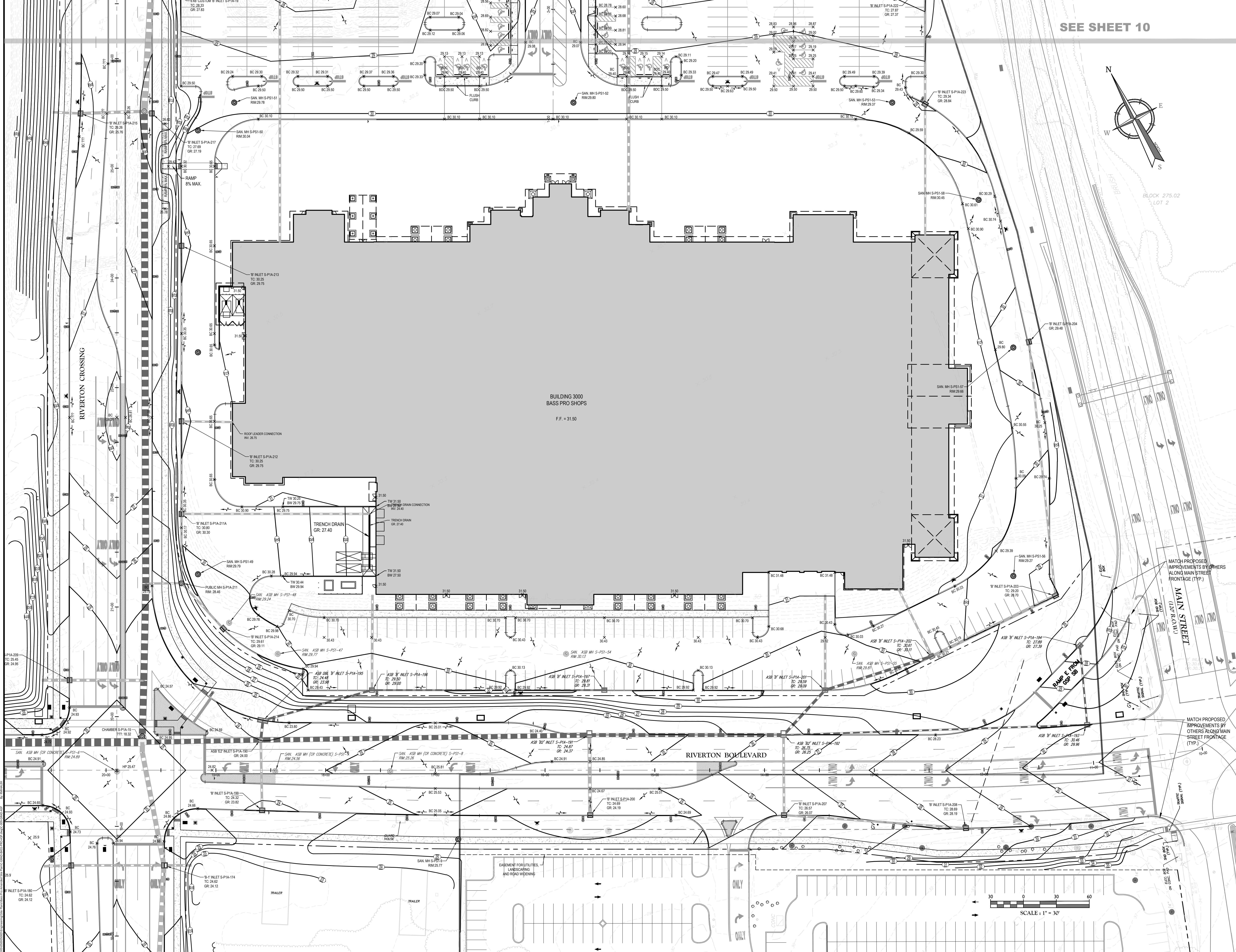
HOLMDEL (Headquarters)
331 Newbury Springs Road, Suite 203
Red Bank, NJ 07701
Phone: 732.983.1950
COLLIERS ENGINEERING & DESIGN, INC.
DOING BUSINESS AS MASER CONSULTING

SCALE: AS SHOWN DATE: 07/13/2023 DRAWN BY: RM CHECKED BY: DWB
PROJECT NUMBER: 05005500F DRAWING NAME: C-UTILS-BASS-PRO-ASP
SHEET TITLE: UTILITIES PLAN
SHEET NUMBER: 8 of 26

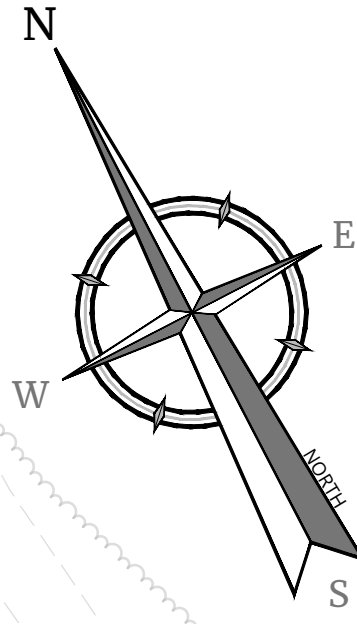
SEE SHEET 7



NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



SEE SHEET 10



BUILDING 3000
BASS PRO SHOPS

F.F. = 31.50

TRENCH DRAIN
GR: 27.40

RIVERTON BOULEVARD

MATCH PROPOSED
IMPROVEMENTS BY
OTHERS ALONG MAIN
STREET FRONTAGE
(TYP.)

MATCH PROPOSED
IMPROVEMENTS BY
OTHERS ALONG MAIN
STREET FRONTAGE
(TYP.)

Colliers
Engineering
& Design

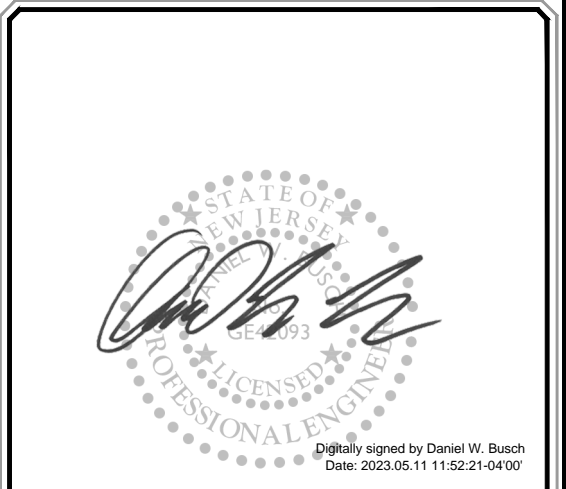
www.colliersengineering.com

Copyright © 2023 Colliers Engineering & Design, Inc. All rights reserved. The drawing and all the information contained herein is authorized for use only by the party for whom the project was prepared and is subject to modification. This drawing shall not be copied, revised, discarded, distributed or relied upon by any other person without the express written consent of Colliers Engineering & Design.

Doing Business as M.A.S.E.R.

811 PROTECT YOURSELF
Call before you dig.
All states require notification of excavators, owners, or any person preparing to disturb the earth's surface anywhere in any state.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

REV	DATE	DRAWN BY	DESCRIPTION



DANIEL W. BUSCH
ENGINEER - LICENSE NUMBER: G42093

PHASE 1A BASS PRO
BUILDING SITE
FOR
SAYREVILLE
SEAPORT
ASSOCIATES

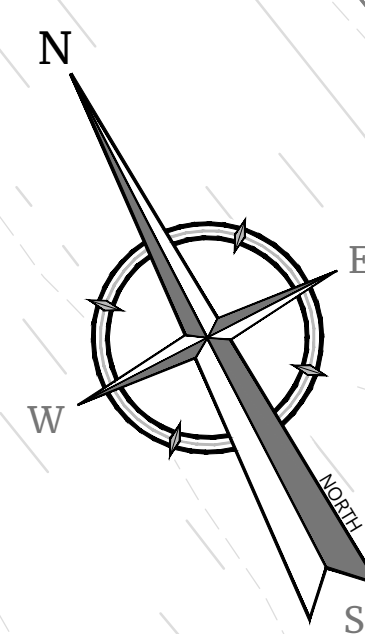
BLOCK 257.02
LOT 7
BOROUGH OF SAYREVILLE
MIDDLESEX COUNTY
NEW JERSEY

Colliers
Engineering
& Design
#

337 New Britain Springs Road, Suite 203, Red Bank, NJ 07701
Phone: 732.983.1950
COLLIERS ENGINEERING & DESIGN, INC.
DOING BUSINESS AS MASER CONSULTANTS

SHEET TITLE:
GRADING PLAN

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



GARDEN STATE PARKWAY
VARIABLE WIDTH ROW

RIVERTON CROSSING

REV	DATE	DESCRIPTION

REV	DATE	DESCRIPTION	DRAWN BY	DATE	DESCRIPTION



DANIEL W. BUSCH
NEW JERSEY PROFESSIONAL ENGINEER - LICENSE NUMBER: 0642093

PHASE 1A BASS PRO BUILDING SITE
FOR SAYREVILLE SEAPORT ASSOCIATES

BLOCK 257.02 LOT 7
BOROUGH OF SAYREVILLE MIDDLESEX COUNTY NEW JERSEY

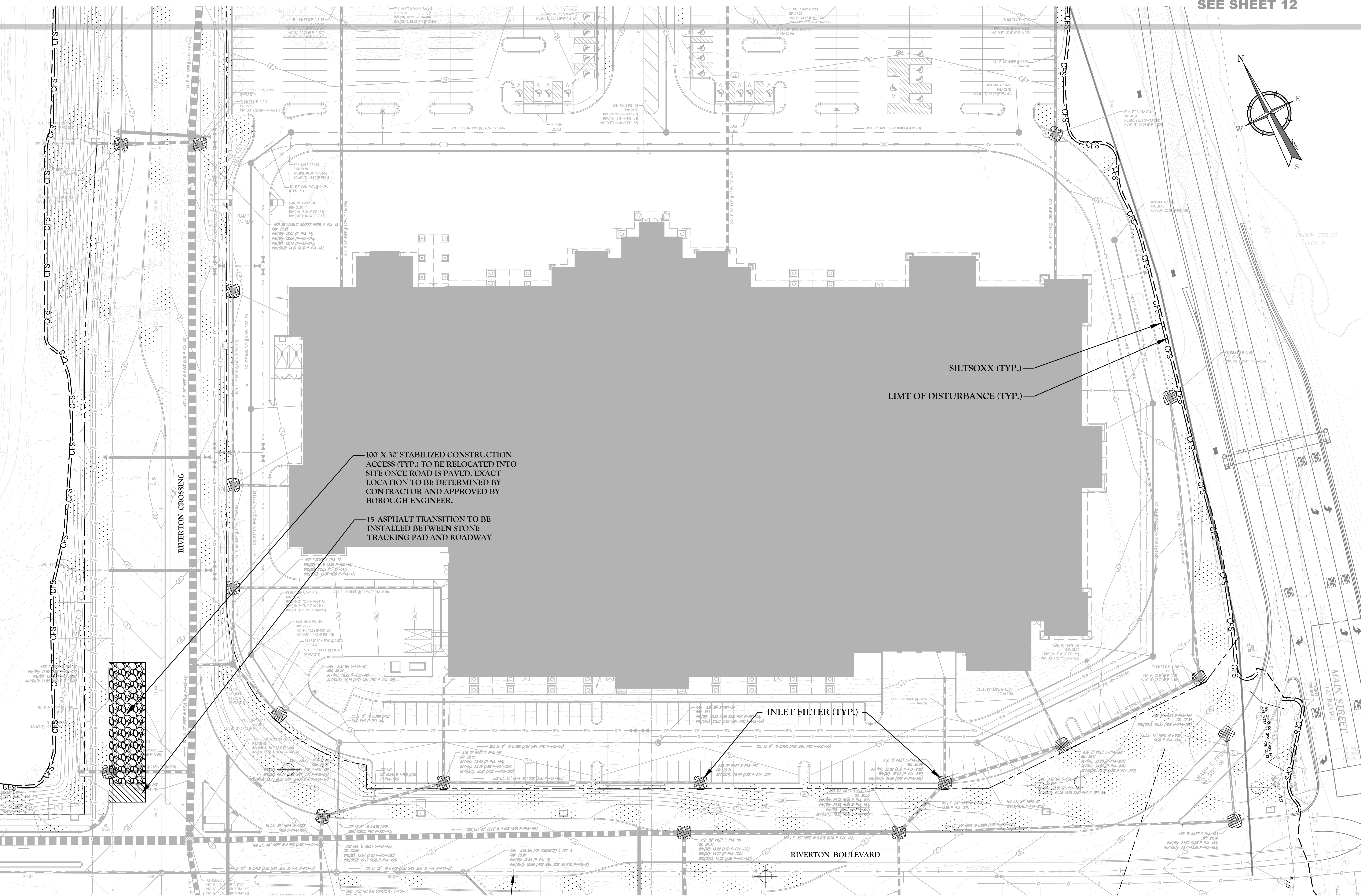
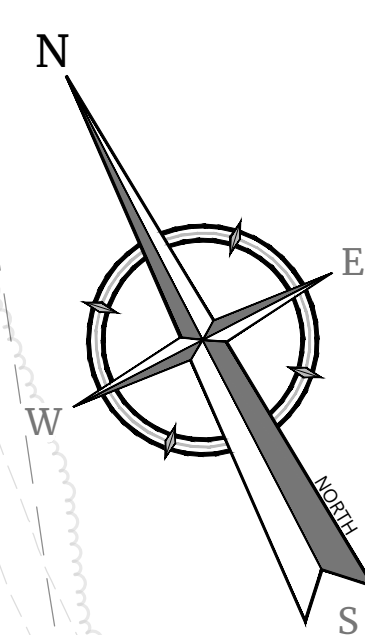
Colliers
Engineering & Design

SCH: AS SHOWN DATE: 6/13/2023 DRAWN BY: RM CHECKED BY: DWB
PROJECT NUMBER: 05005506 DRAWING NAME: C-GRAD-BASS-PRO-ASP

GRADING PLAN

SEE SHEET 9

SCALE: 1" = 30'

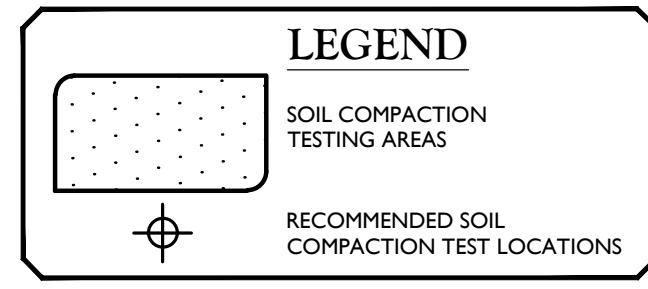


100' X 30' STABILIZED CONSTRUCTION ACCESS (TYP.) TO BE RELOCATED INTO SITE ONCE ROAD IS PAVED. EXACT LOCATION TO BE DETERMINED BY CONTRACTOR AND APPROVED BY BOROUGH ENGINEER.

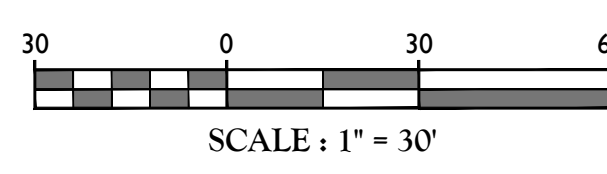
15' ASPHALT TRANSITION TO BE INSTALLED BETWEEN STONE TRACKING PAD AND ROADWAY

SILTSOXX (TYP.)
LIMIT OF DISTURBANCE (TYP.)

INLET FILTER (TYP.)



SOIL COMPACTION ANALYSIS AREA = 39.3 ACRES



SCALE: 1" = 30'

TOTAL AREA OF DISTURBANCE = 4,165,451± S.F. (95.63 ACRES)
THIS PLAN IS FOR SOIL EROSION AND SEDIMENT CONTROL PURPOSES ONLY.

NOTES:

- 1. THE LIMIT OF DISTURBANCE, SOIL COMPACTING TESTING AREAS, AND SOIL EROSION AND SEDIMENT CONTROL (SESC) MEASURES SHOWN HEREON WERE ORIGINALLY APPROVED AS PART OF THE RIVERTON VILLAGE PHASE I SITE PLAN APPLICATION (SOIL EROSION AND SEDIMENT CONTROL PLANS PREPARED BY MASER CONSULTING P.A. DATED MAY 15, 2019 AND REVISED THROUGH JULY 2, 2021). AS SUCH, SOME SESC MEASURES HAVE ALREADY BEEN IMPLEMENTED AND/OR ARE ONGOING. SOME MEASURES WILL BE IMPLEMENTED IN THE FUTURE. THE SUBJECT BASS PRO BUILDING SITE IS LOCATED WITHIN THE AREA COVERED UNDER THE PRIOR SOIL EROSION AND SEDIMENT CONTROL (SESC) APPROVAL ISSUED FOR RIVERTON VILLAGE PHASE I. ONGOING AND NECESSARY ADDITIONAL SESC MEASURES ASSOCIATED WITH THE BASS PRO BUILDING SITE SHALL BE PERFORMED IN COMPLIANCE WITH THE RIVERTON VILLAGE PHASE I SESC APPROVAL AND AS AMENDED HEREON.
- 2. THE LIMIT OF DISTURBANCE AND SOIL COMPACTING TESTING AREAS IDENTIFIED HEREON ENCOMPASS ALL AREAS SUBJECT OF THE RIVERTON VILLAGE PHASE I SESC APPROVAL NOT JUST THE BASS PRO SITE.
- 3. A SOIL COMPACTION MITIGATION VERIFICATION FORM MUST BE FILLED OUT COMPLETELY AND SUBMITTED TO THE BOROUGH ENGINEER OFFICE PRIOR TO FINAL INSPECTION AND ISSUANCE OF A COMPLIANCE REPORT.
- 4. SEE SHEET 2 FOR GENERAL NOTES AND PLAN LEGEND.

Table with columns: REV, DATE, DRAWN BY, DESCRIPTION

Table with columns: REV, DATE, DRAWN BY, DESCRIPTION



DANIEL W. BUSCH
NEW JERSEY PROFESSIONAL ENGINEER - LICENSE NUMBER: GE42093

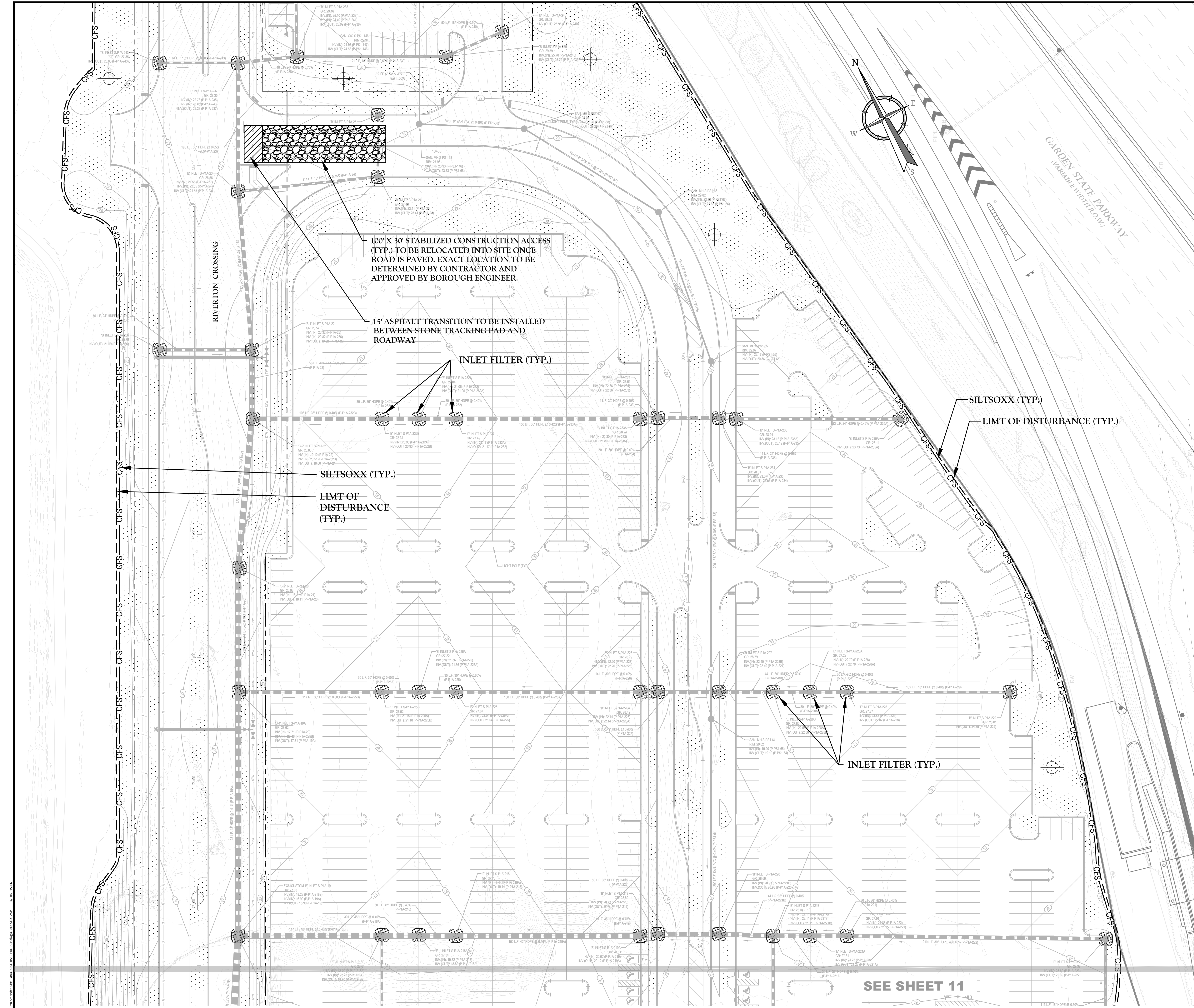
PHASE 1A BASS PRO BUILDING SITE
FOR SAYREVILLE SEAPORT ASSOCIATES

BLOCK 257.02 LOT 7
BOROUGH OF SAYREVILLE MIDDLESEX COUNTY NEW JERSEY

Colliers Engineering & Design
337 Newtown Springs Road, Suite 203
Red Bank, NJ 07701
Phone: 732.983.1950
COLLIERS ENGINEERING & DESIGN, INC.
DOING BUSINESS AS MASER CONSULTING P.A.

SCALE: AS SHOWN 4/13/2023 RM DWB
PROJECT NUMBER: 050005009
DRAWING NAME: C-SESC-BASS-PRO-ASP

SHEET TITLE: SOIL EROSION & SEDIMENT CONTROL PLAN



100' X 30' STABILIZED CONSTRUCTION ACCESS (TYP.) TO BE RELOCATED INTO SITE ONCE ROAD IS PAVED. EXACT LOCATION TO BE DETERMINED BY CONTRACTOR AND APPROVED BY BOROUGH ENGINEER.

15' ASPHALT TRANSITION TO BE INSTALLED BETWEEN STONE TRACKING PAD AND ROADWAY

INLET FILTER (TYP.)

SILTSOXX (TYP.)
LIMIT OF DISTURBANCE (TYP.)

SILTSOXX (TYP.)
LIMIT OF DISTURBANCE (TYP.)

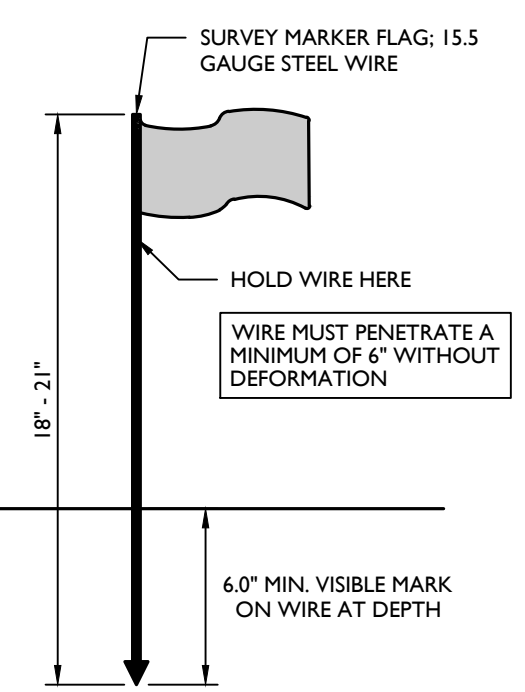
INLET FILTER (TYP.)

SEE SHEET 11

SOIL DECOMPACTION AND TESTING REQUIREMENTS

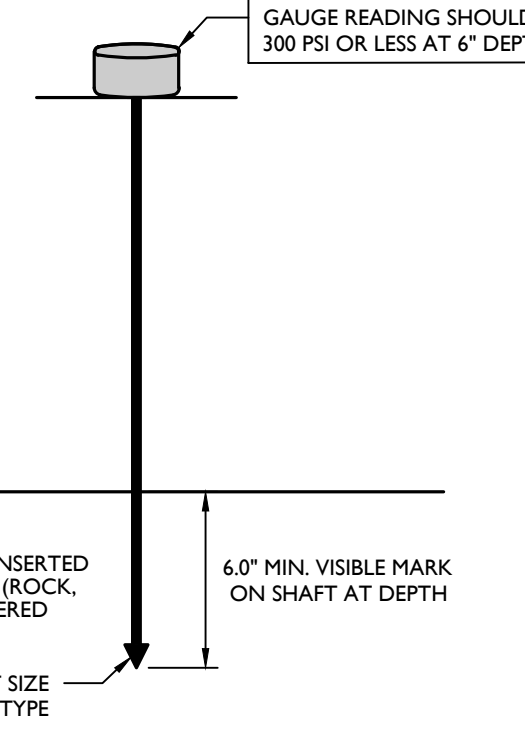
MCNJ-SOIL-NOTE-2000 05/01/18

- A. SOIL COMPACTION TESTING REQUIREMENTS**
- SUBGRADE SOILS PRIOR TO THE APPLICATION OF TOPSOIL "STANDARD FOR VEGETATIVE COVER" NOTES SHALL BE FREE OF EXCESSIVE COMPACTION TO A DEPTH OF 4.0 INCHES TO ENHANCE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER (SEE "STANDARD FOR VEGETATIVE COVER" NOTES FOR TOPSOIL REQUIREMENTS).
 - AREAS OF THE SITE WHICH ARE SUBJECT TO COMPACTION TESTING AND/OR MITIGATION ARE GRAPHICALLY DENOTED ON THE SOIL EROSION CONTROL PLAN. MINIMUM 2 TESTS FOR LIMIT OF DISTURBANCE UP TO 1 ACRE PLUS 2 TESTS PER ACRE OF LIMIT OF DISTURBANCE THEREAFTER, SPACED EVENLY THROUGHOUT THE SITE.
 - COMPACTION TESTING LOCATIONS ARE DENOTED ON THE PLAN. A COPY OF THE PLAN SHALL BE USED TO MARK THE LOCATIONS OF TESTS AND ATTACHED TO THE COMPACTION REMEDIATION FORM, AVAILABLE FROM THE LOCAL SOIL CONSERVATION DISTRICT. THIS FORM MUST BE FILLED OUT AND SUBMITTED PRIOR TO RECEIVING A CERTIFICATE OF COMPLIANCE FROM THE DISTRICT.
 - IN THE EVENT THAT TESTING INDICATES COMPACTION IN EXCESS OF THE MAXIMUM THRESHOLD INDICATED FOR THE PROBING OR PENETRATION TESTING METHODS (SEE DETAILS), THE CONTRACTOR/OWNER SHALL HAVE THE OPTION TO PERFORM EITHER (1) COMPACTION MITIGATION OVER THE ENTIRE MITIGATION AREA DENOTED ON THE PLAN (EXCLUDING EXEMPT AREAS), OR (2) PERFORM ADDITIONAL DENSITY TESTING TO ESTABLISH LIMITS OF EXCESSIVE COMPACTION WHEREUPON ONLY THE EXCESSIVELY COMPACTED AREAS WOULD REQUIRE COMPACTION MITIGATION. ADDITIONAL DENSITY TESTING SHALL BE PERFORMED BY A TRAINED, LICENSED PROFESSIONAL.
- B. COMPACTION TESTING METHODS**
- PROBING WIRE TEST (SEE DETAIL)
 - HANDHELD PENETROMETER TEST (SEE DETAIL)
 - TUBE BULK DENSITY TEST (LICENSED PROFESSIONAL ENGINEER REQUIRED)
 - NUCLEAR DENSITY TEST (LICENSED PROFESSIONAL ENGINEER REQUIRED)
- ADDITIONAL TESTING METHODS WHICH CONFORM TO ASTM STANDARDS AND SPECIFICATIONS, AND WHICH PRODUCE A DRY WEIGHT, SOIL BULK DENSITY MEASUREMENT MAY BE ALLOWED SUBJECT TO DISTRICT APPROVAL.
- NOTE:** SOIL COMPACTION TESTING IS NOT REQUIRED IF WHEN SUBSOIL COMPACTION MITIGATION IS PROPOSED AS PART OF THE SEQUENCE OF CONSTRUCTION, FOR ADDITIONAL REQUIREMENTS AND EXCEPTIONS SEE SECTION 19 "STANDARD FOR LAND GRADING" OF THE STANDARD.
- C. PROCEDURES FOR SOIL COMPACTION MITIGATION**
- PROCEDURES SHALL BE USED TO MITIGATE EXCESSIVE SOIL COMPACTION PRIOR TO PLACEMENT OF TOPSOIL AND ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.
 - RESTORATION OF COMPACTED SOILS SHALL BE THROUGH DEEP SCARIFICATION/TILLAGE ("T" MINIMUM DEPTH) WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.).
 - IN THE ALTERNATIVE, ANOTHER METHOD AS SPECIFIED BY A NEW JERSEY LICENSED PROFESSIONAL ENGINEER MAY BE SUBSTITUTED SUBJECT TO DISTRICT APPROVAL.



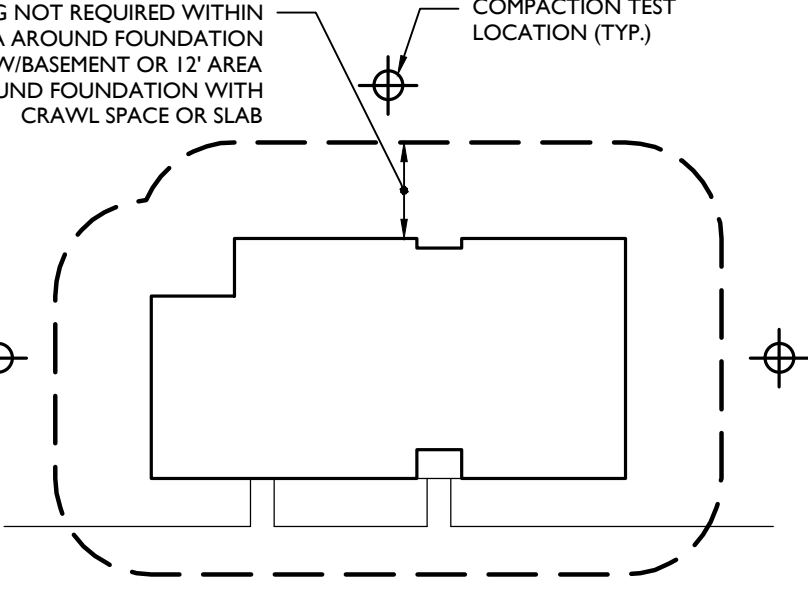
PROBING WIRE TEST DETAIL

NOT TO SCALE MCNJ-SOIL-EROS-2800 12/01/17



HANDHELD SOIL PENETROMETER TEST DETAIL

NOT TO SCALE MCNJ-SOIL-EROS-2801 12/01/17



TYPICAL SOIL COMPACTION TESTING LOCATIONS DETAIL

NOT TO SCALE MCNJ-SOIL-EROS-2802 12/01/17

Colliers
Engineering & Design
www.colliersengineering.com
Copyright © 2023 Colliers Engineering & Design, Inc. All rights reserved. The drawing and all the information contained herein is authorized for use only by the party for whom the services were rendered or its agents. This drawing may not be copied, revised, discarded, distributed or used again for any other purpose without the express written consent of Colliers Engineering & Design.
Doing Business as **MASER**
811 PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF ESCAVATORS, OPERATORS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE. ADVISE 811.CALL
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

REV	DATE	DESCRIPTION	DRAWN BY

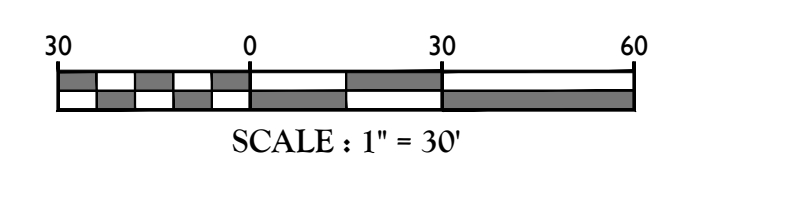
REV	DATE	DESCRIPTION	DRAWN BY

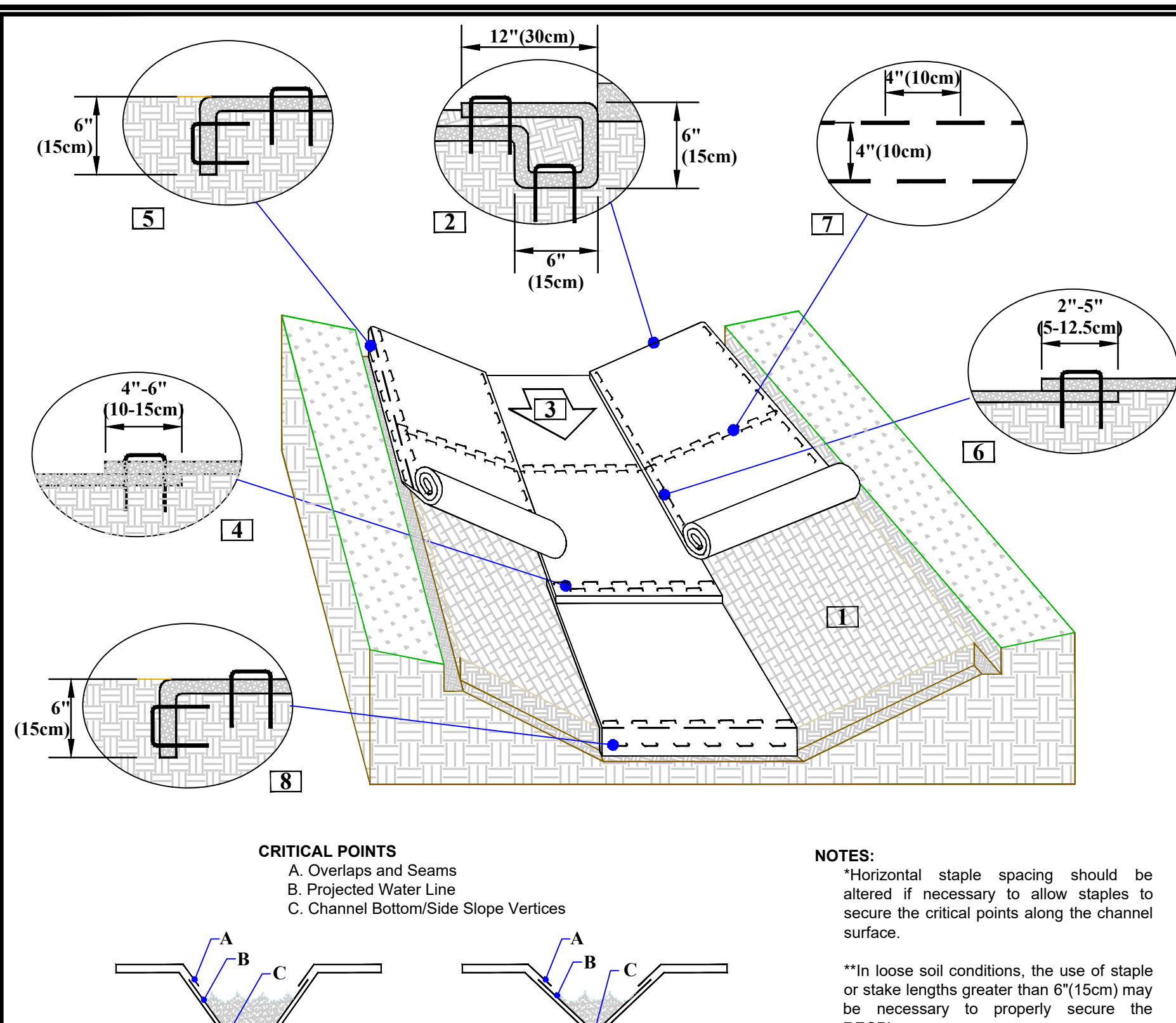
Daniel W. Busch
NEW JERSEY PROFESSIONAL ENGINEER - LICENSE NUMBER: GE42093

PHASE 1A BASS PRO BUILDING SITE
FOR SAYREVILLE SEAPORT ASSOCIATES
BLOCK 257.02 LOT 7
BOROUGH OF SAYREVILLE MIDDLESEX COUNTY NEW JERSEY

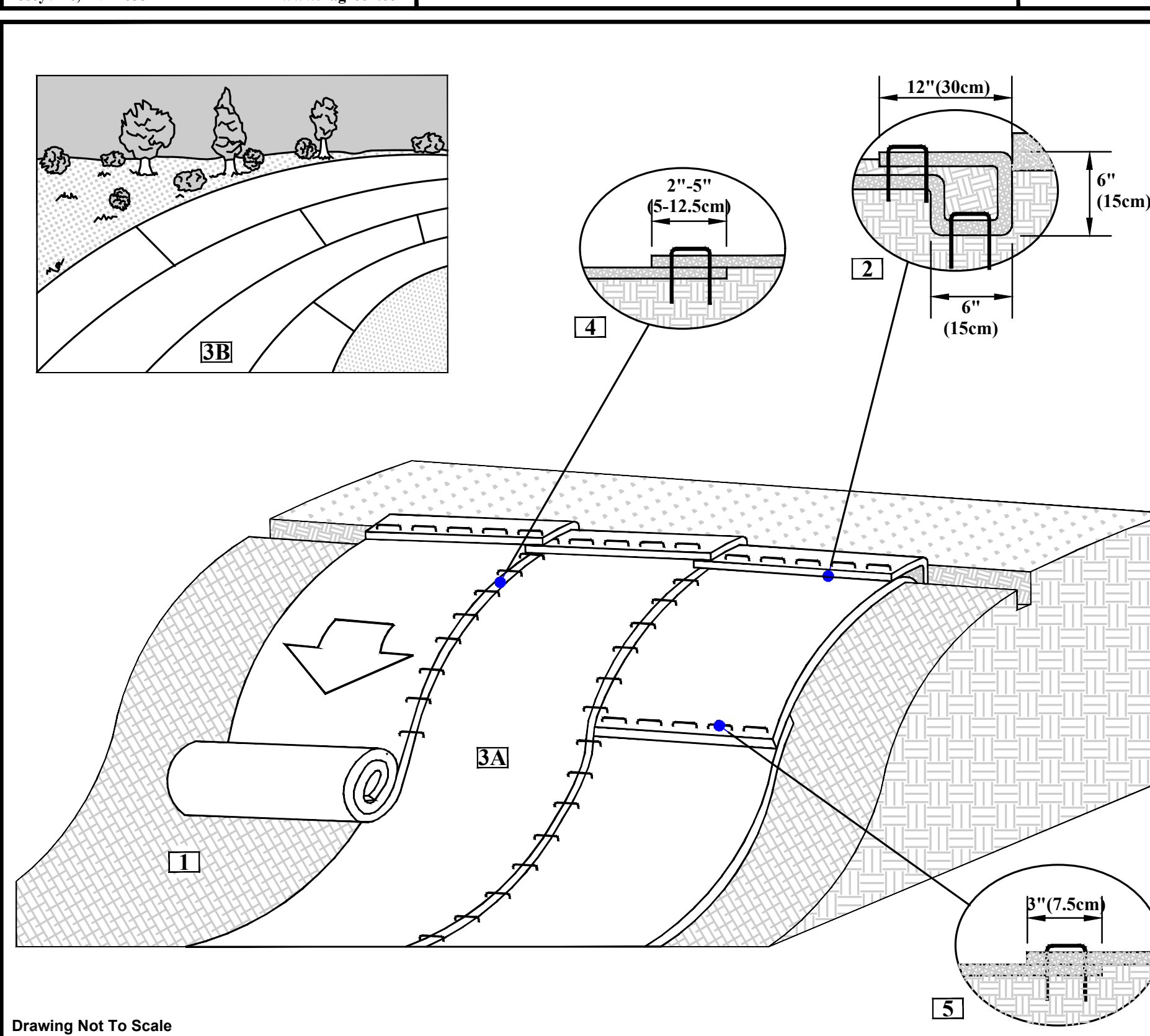
Colliers
Engineering & Design
HOLMDEL (Headquarters)
337 Newkirk Springs Road, Suite 203
Red Bank, NJ 07071
Phone: 732.983.1950
COLLIERS ENGINEERING & DESIGN, INC.
DOING BUSINESS AS MASER CORP. (TWO)

THIS PLAN IS FOR SOIL EROSION AND SEDIMENT CONTROL PURPOSES ONLY.

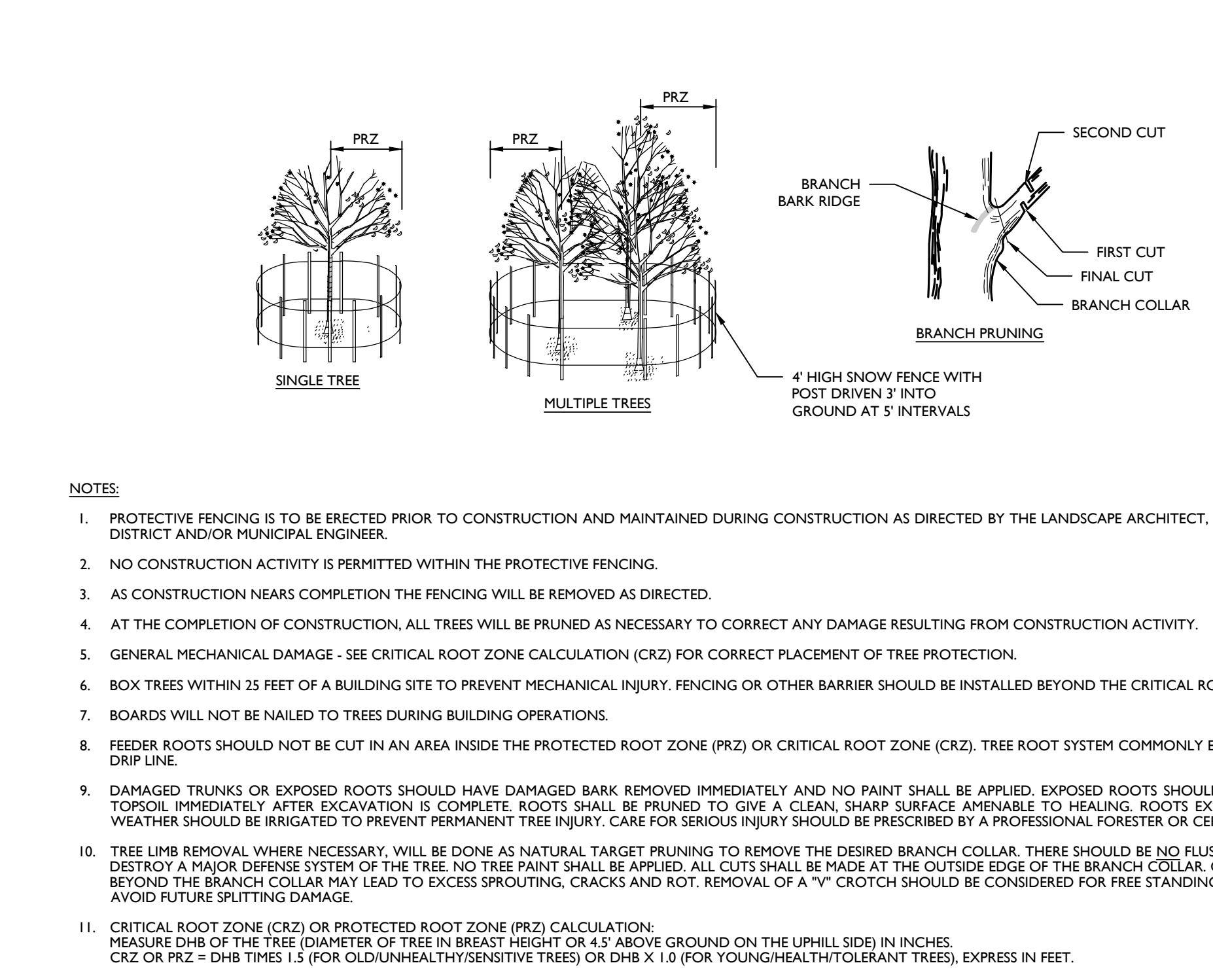




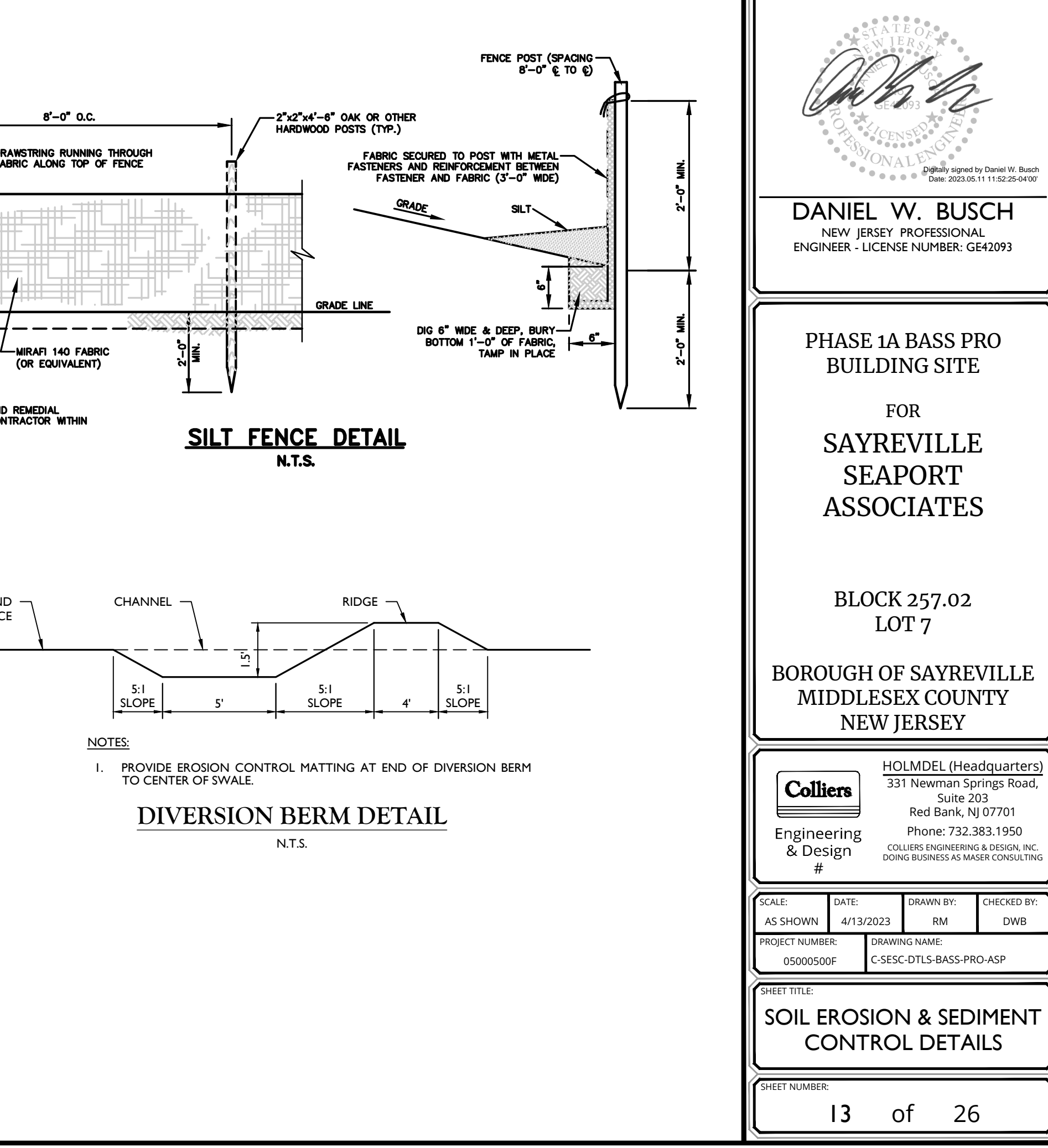
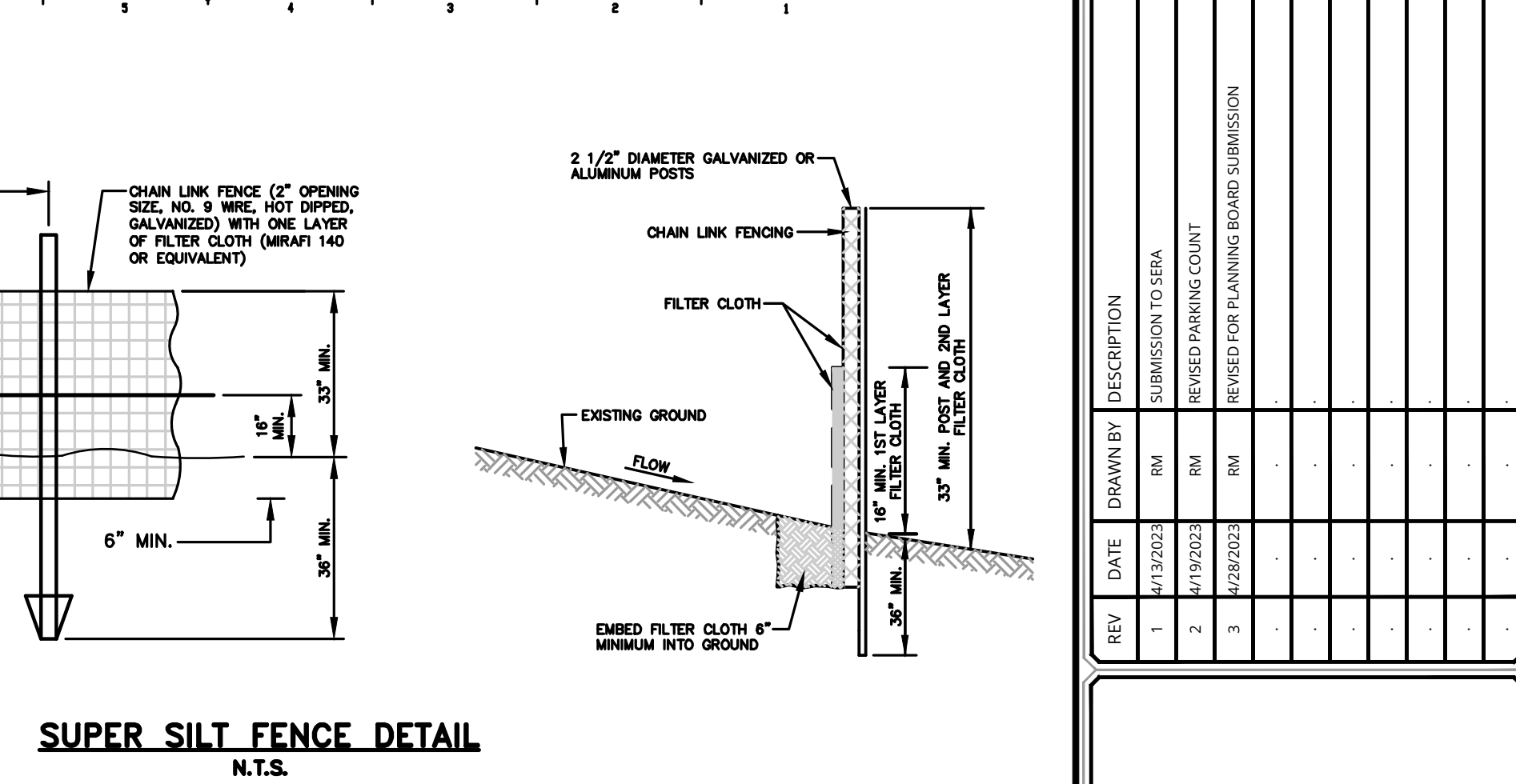
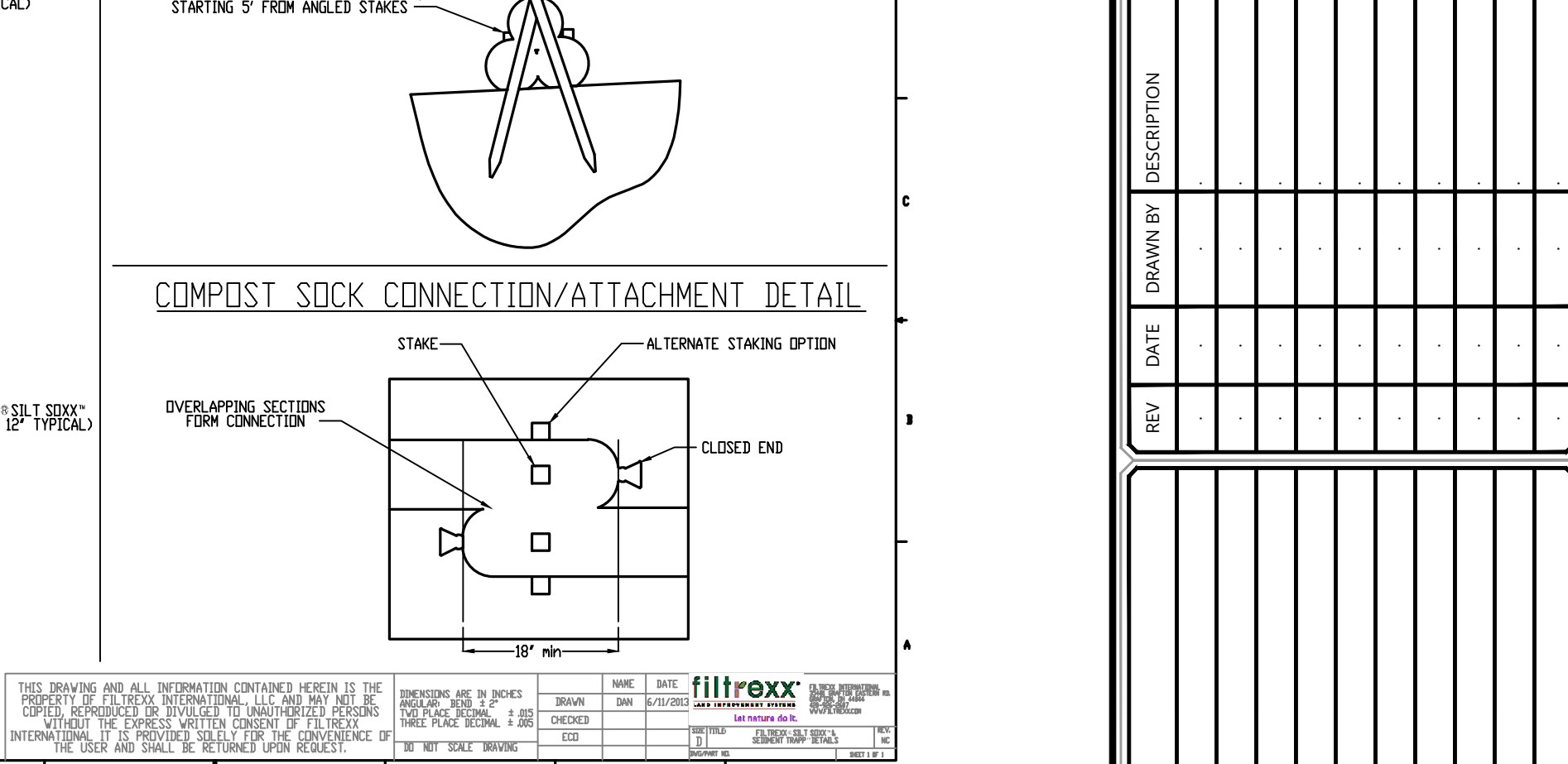
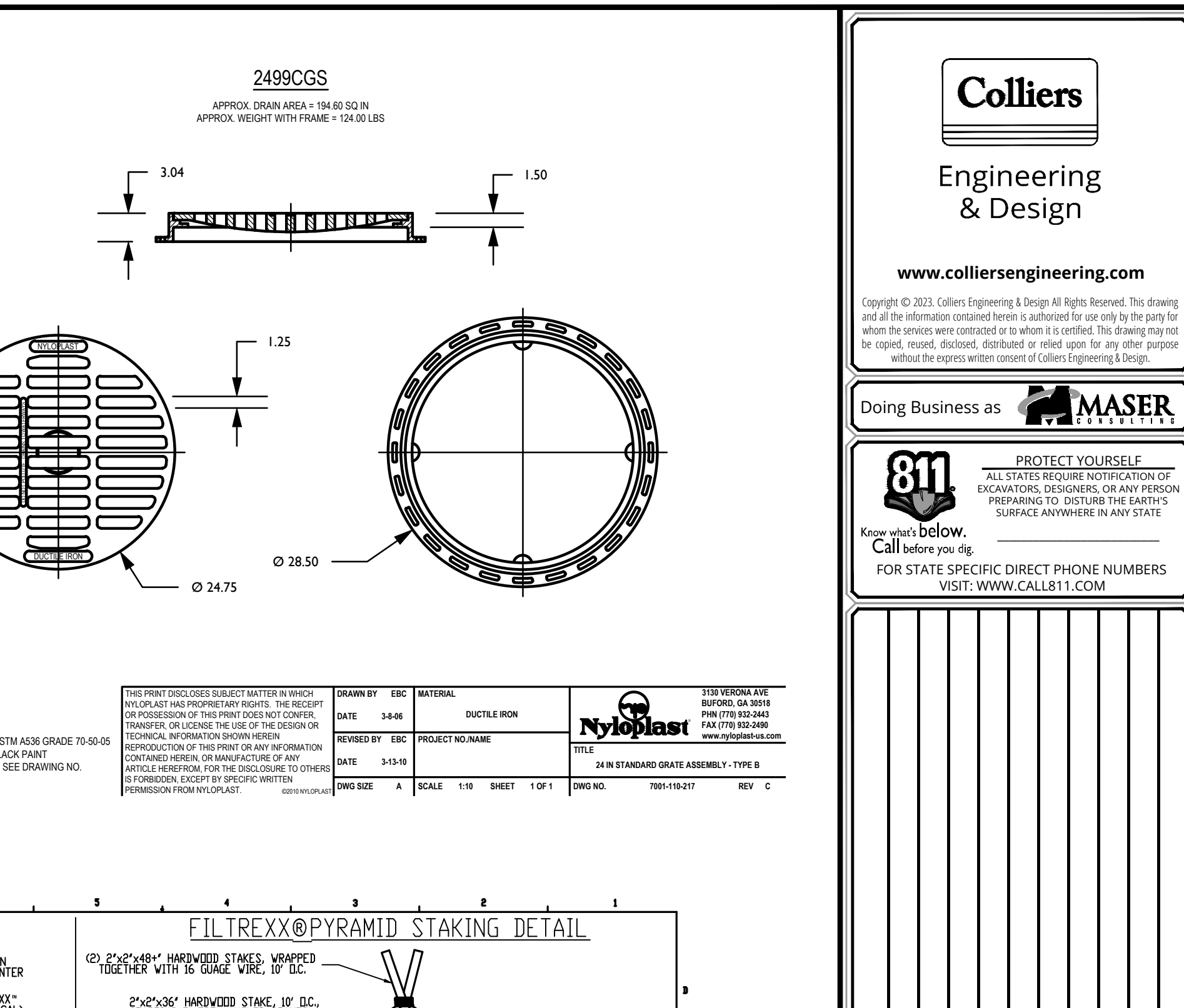
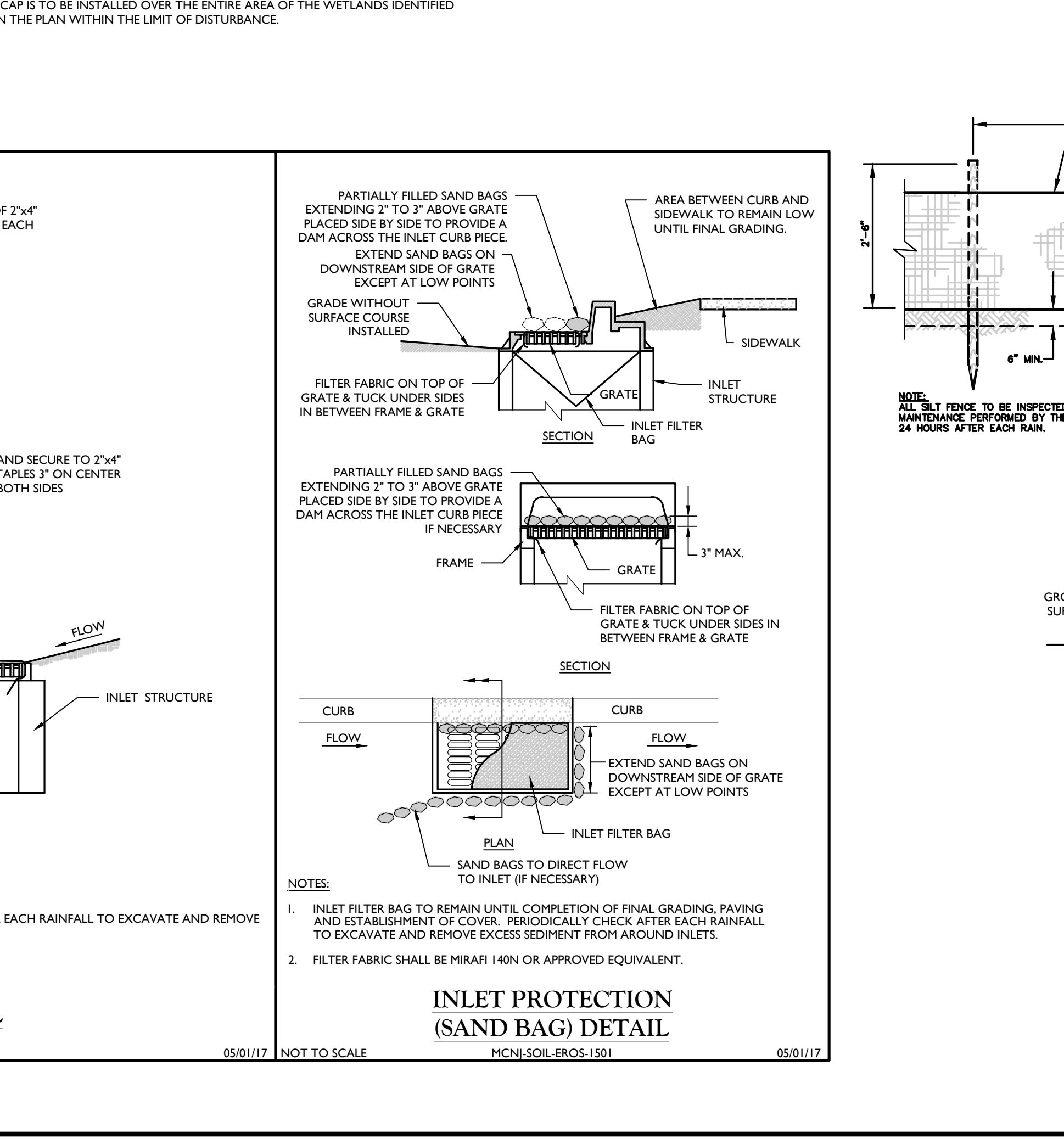
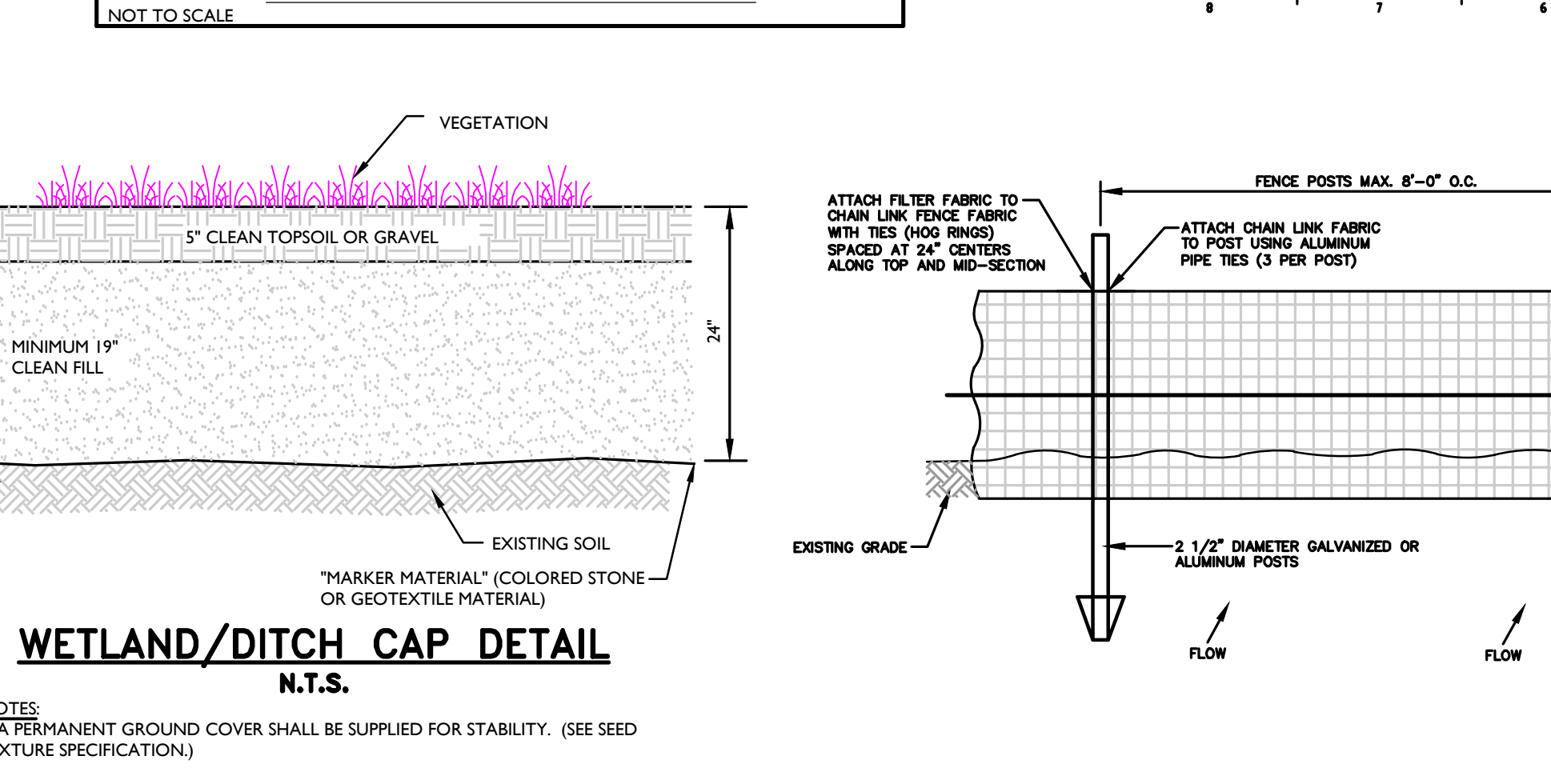
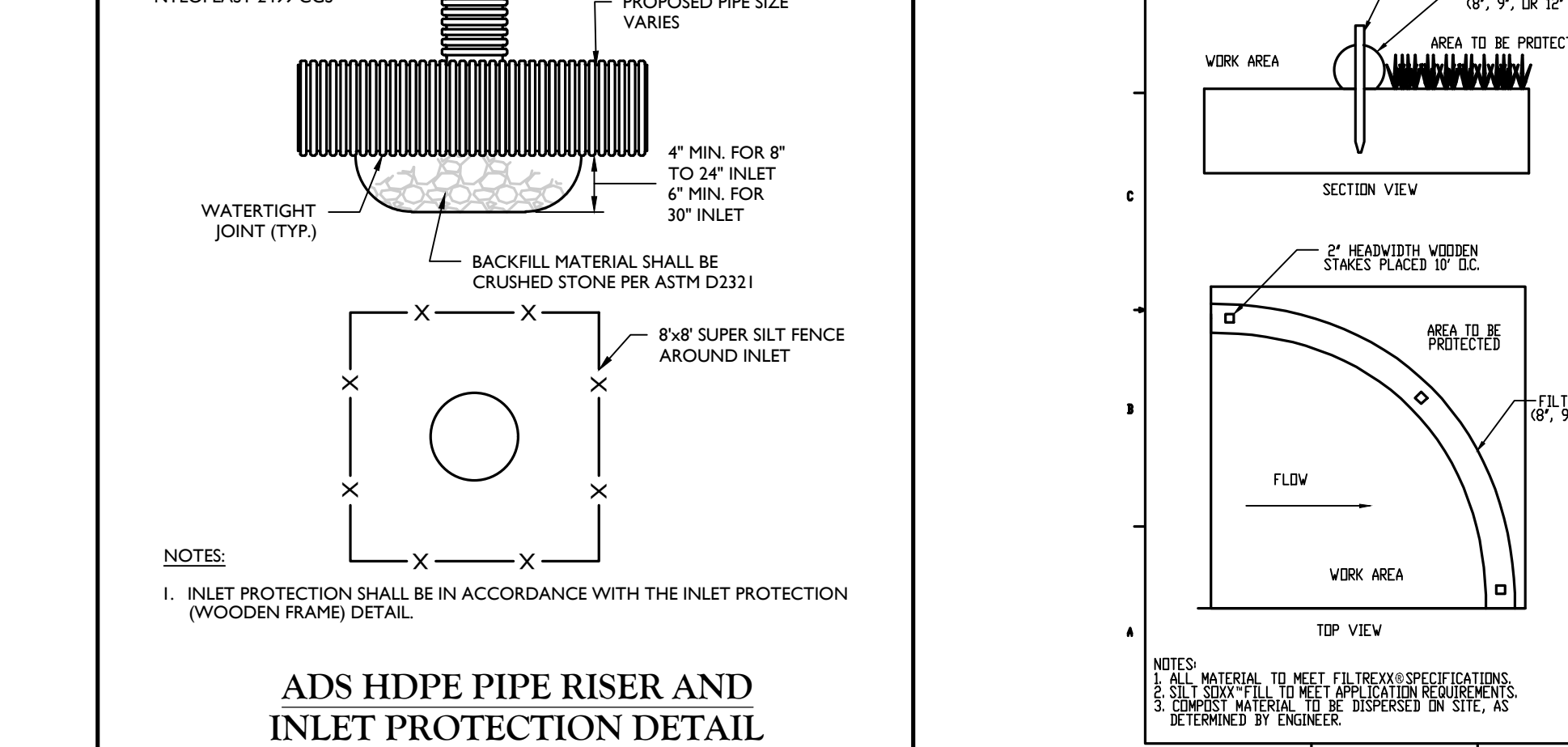
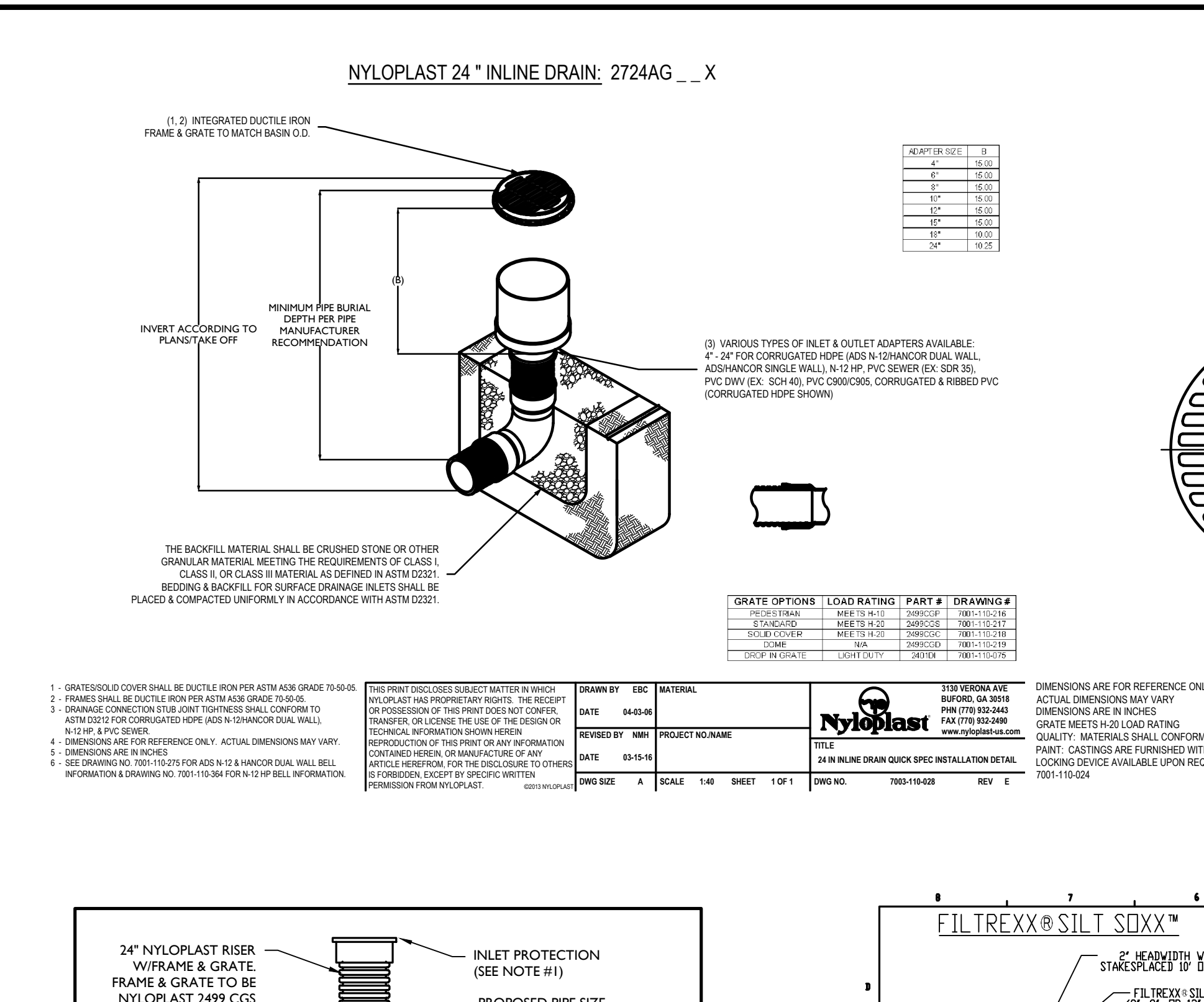
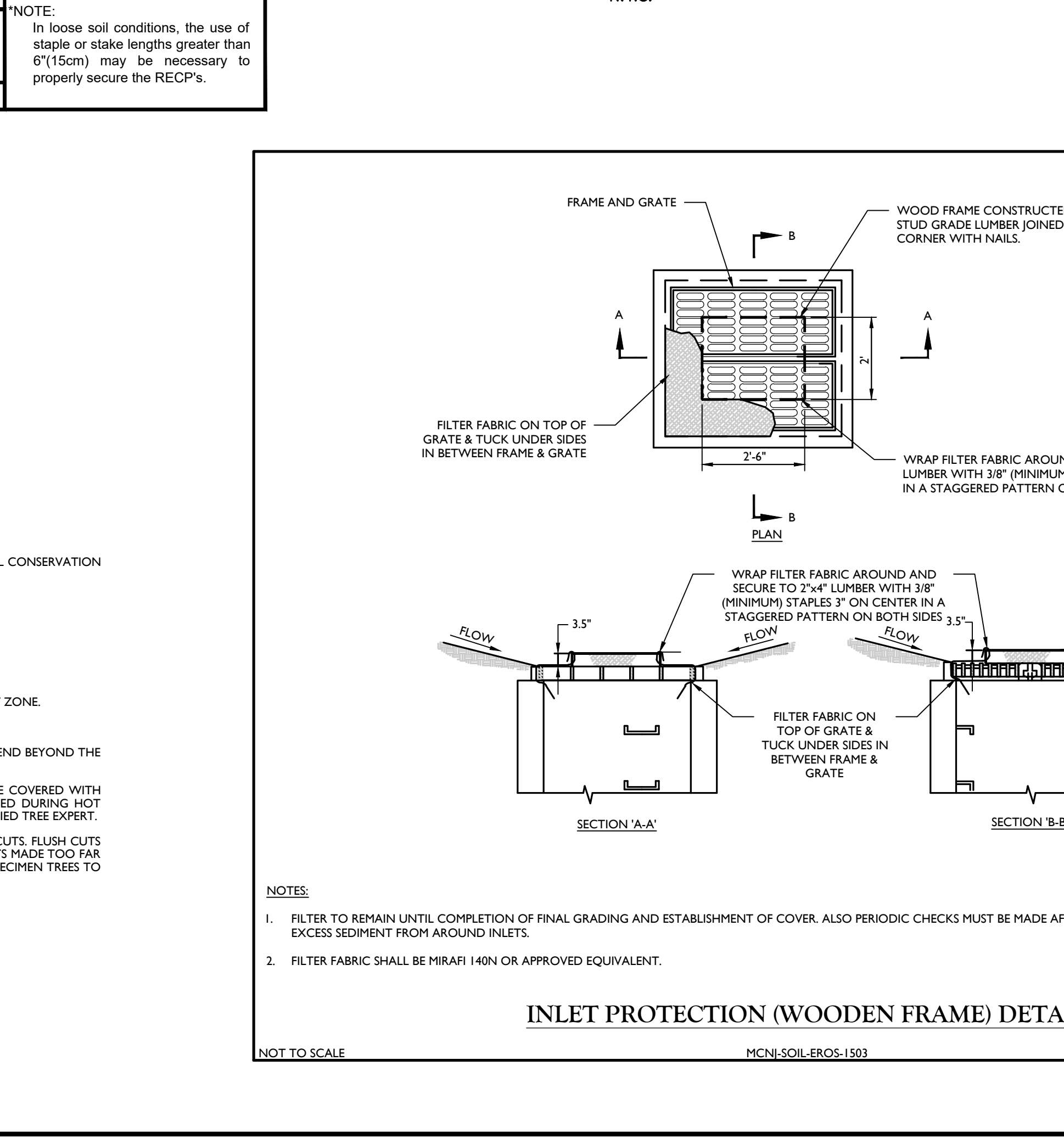
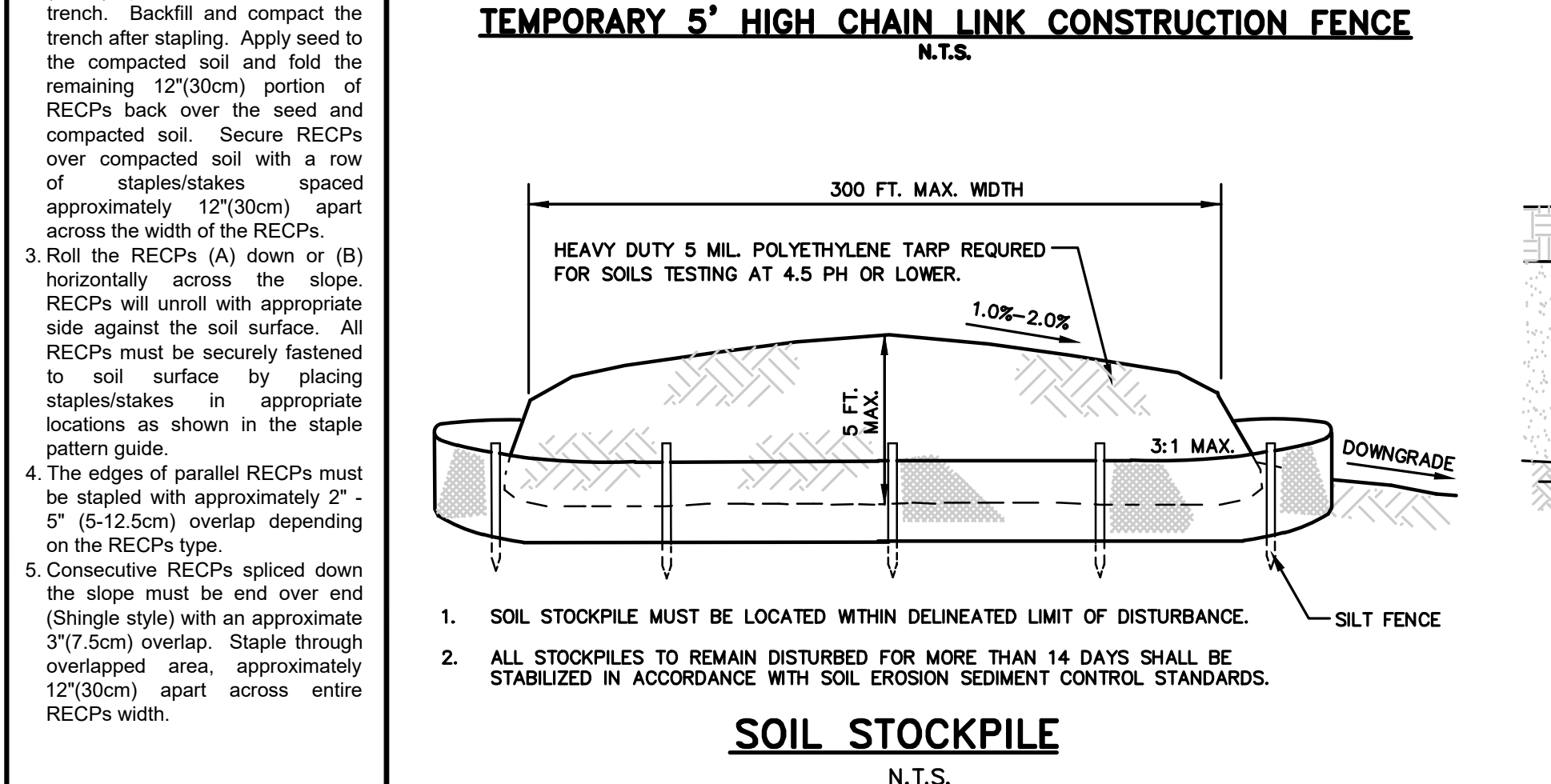
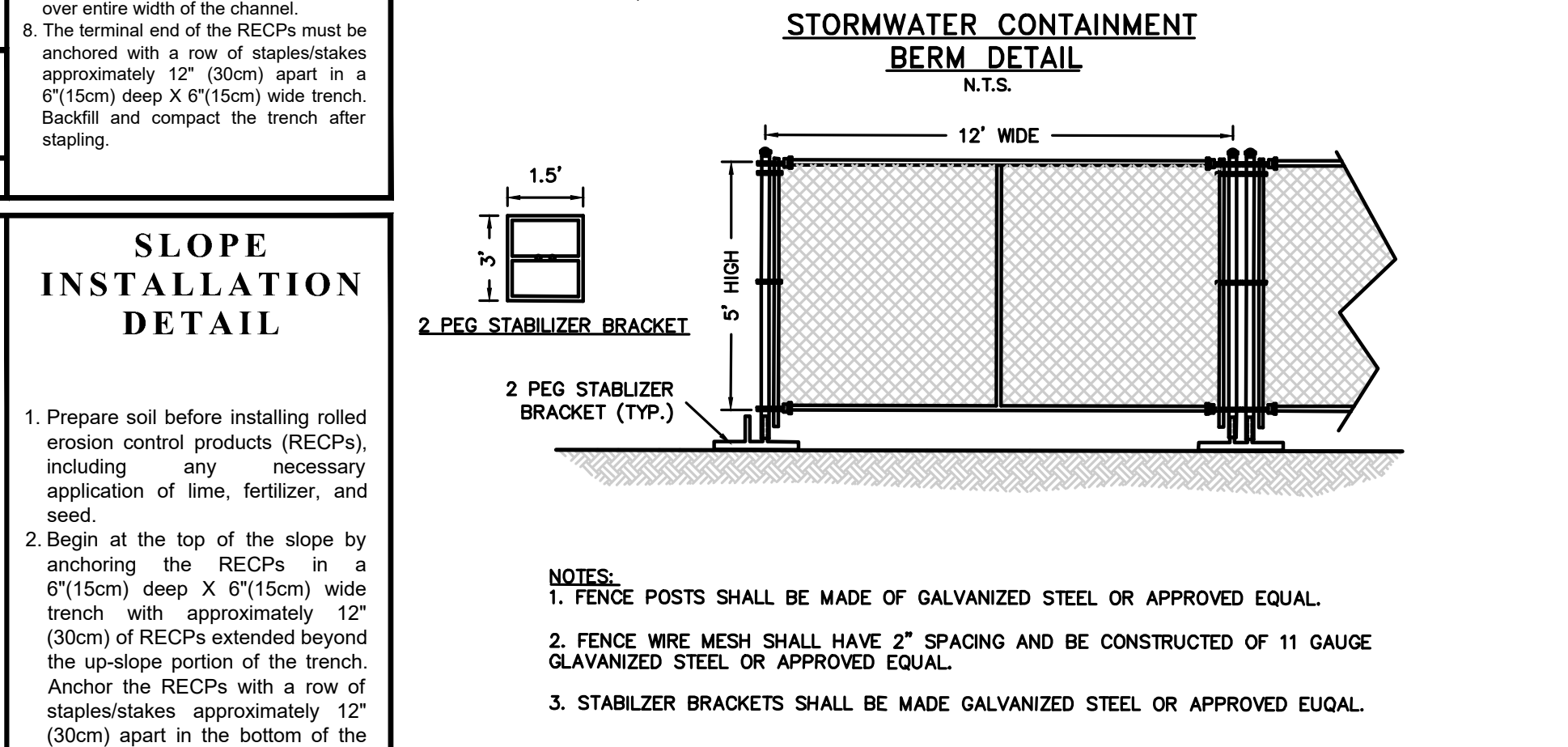
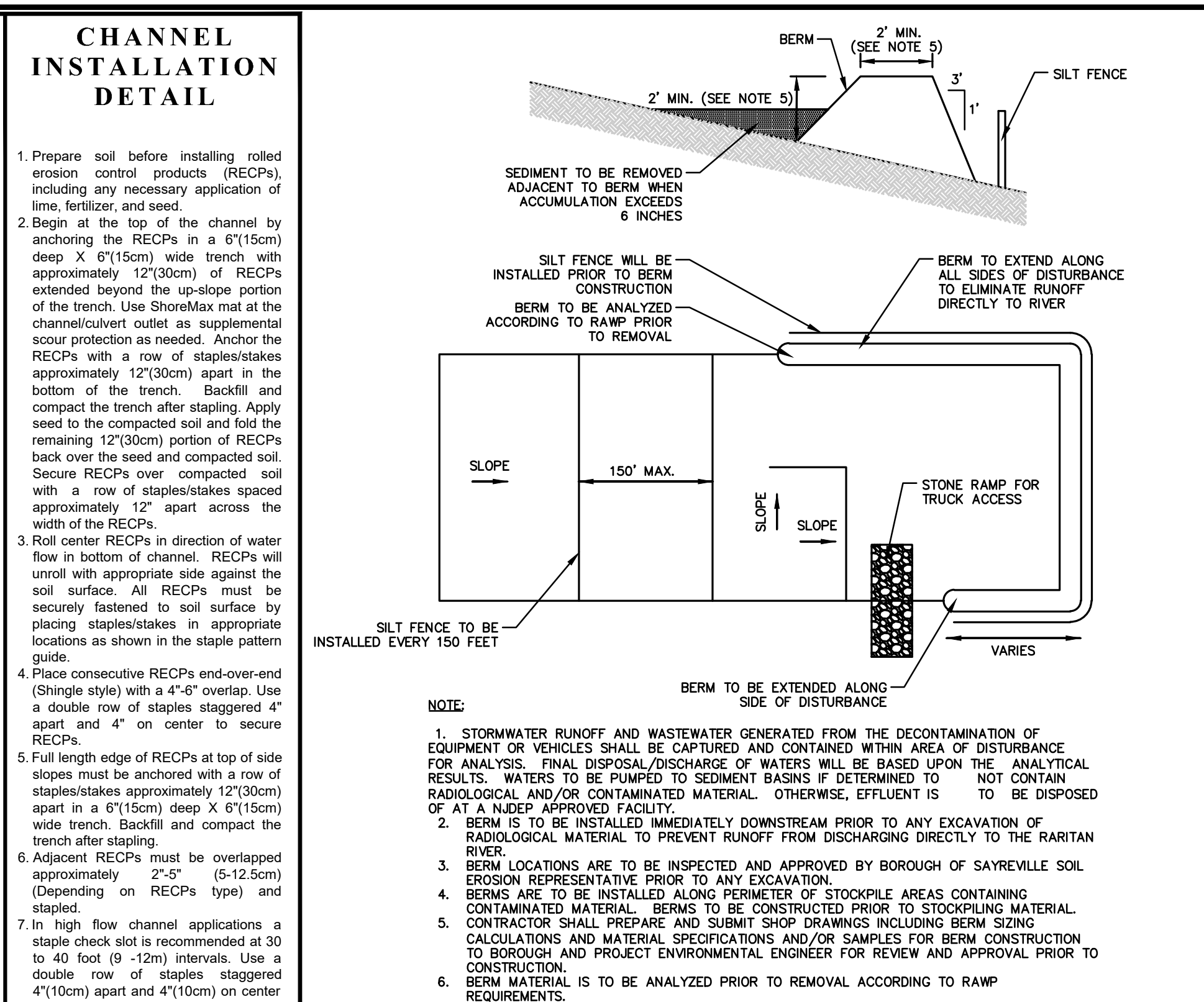
Tensar NORTH AMERICAN GREEN
 5401 St. Wendel - Cynthia Rd. PH: 800-722-2040
 Poseyville, IN 47633 www.nargreen.com
 Drawn on: 3-16-11



Tensar NORTH AMERICAN GREEN
 5401 St. Wendel - Cynthia Rd. PH: 800-722-2040
 Poseyville, IN 47633 www.nargreen.com
 Drawn on: 3-16-11



Tensar NORTH AMERICAN GREEN
 5401 St. Wendel - Cynthia Rd. PH: 800-722-2040
 Poseyville, IN 47633 www.nargreen.com
 Drawn on: 3-16-11



Colliers Engineering & Design
 www.colliersengineering.com
 Copyright © 2011 Colliers Engineering & Design, Inc. All rights reserved. This drawing and all the information contained herein is provided for use only by the party for whom it was prepared and is not to be used for any other project without the express written consent of Colliers Engineering & Design.

Doing Business as MASER

811
 Know what's below. Call before you dig. For STATE SPECIFIC DIRECT PHONE NUMBERS VISIT WWW.CALL811.COM

PROTECT YOURSELF
 ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, ENGINEERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE SURVEILLANCE BY ANY STATE

REV	DATE	DESCRIPTION	DRAWN BY	DESCRIPTION
1	03/20/11	ISSUED FOR PERMITS	RM	
2	03/20/11	REVISIONS TO PERMITS	RM	
3	03/20/11	REVISIONS TO PERMITS	RM	
4	03/20/11	REVISIONS TO PERMITS	RM	

DANIEL W. BUSCH
 NEW JERSEY PROFESSIONAL ENGINEER - LICENSE NUMBER: GE42093

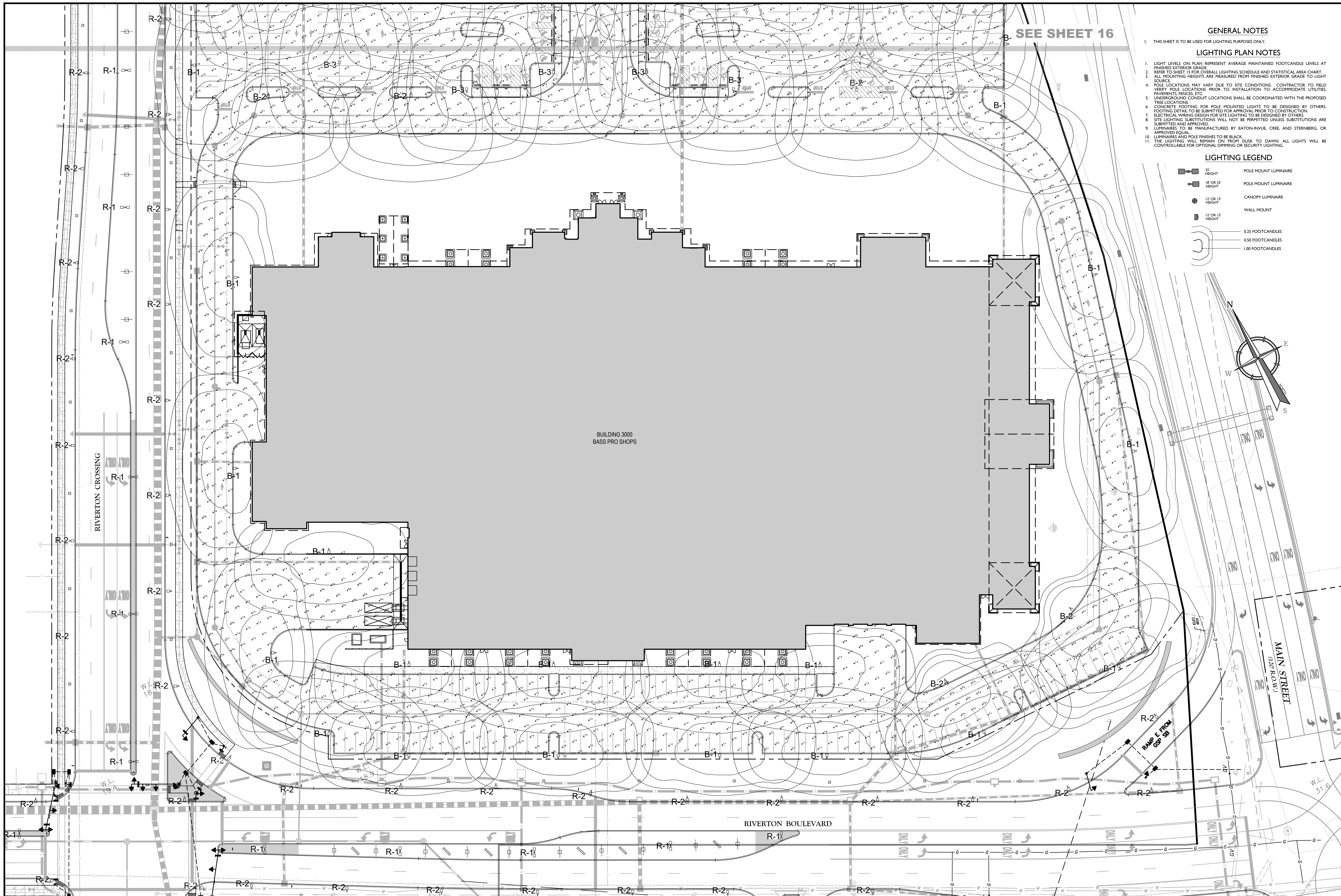
PHASE 1A BASS PRO BUILDING SITE FOR SAYREVILLE SEAPORT ASSOCIATES

BLOCK 257.02 LOT 7
 BOROUGH OF SAYREVILLE MIDDLESEX COUNTY NEW JERSEY

Colliers Engineering & Design
 331 Newmarket Springs Road, Suite 203, Red Bank, NJ 07071
 Phone: 732-983-1950
 COLLIER ENGINEERING & DESIGN, INC. DOES BUSINESS AS MASER CONSULTING

SCALE: AS SHOWN DATE: 07/30/2011 RM DWB
 PROJECT NUMBER: DRAWING NUMBER: C-SECC-DTLS-BASS-PRO-ASP
 SHEET TITLE: SOIL EROSION & SEDIMENT CONTROL DETAILS
 SHEET NUMBER: 13 of 26

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



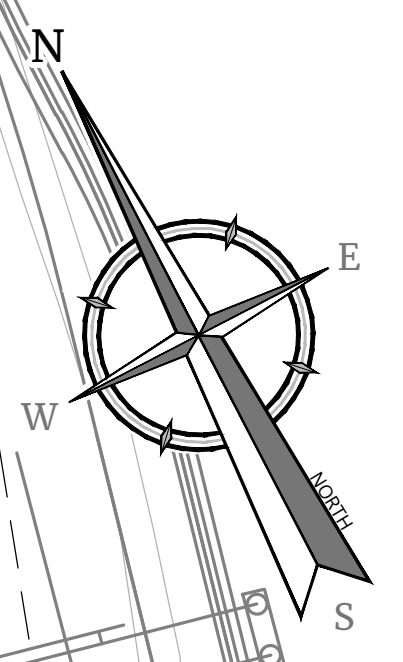
SEE SHEET 16

GENERAL NOTES

- THIS SHEET IS TO BE USED FOR LIGHTING PURPOSES ONLY.
- LIGHT LEVELS ON PLAN REPRESENT AVERAGE MAINTAINED FOOTCANDLE LEVELS AT FINISHED EXTERIOR GRADE.
- REFER TO SHEET 15 FOR OVERALL LIGHTING SCHEDULE AND STATISTICAL AREA CHART.
- ALL MOUNTING HEIGHTS ARE MEASURED FROM FINISHED EXTERIOR GRADE TO LIGHT SOURCE.
- POLE LOCATIONS MAY VARY DUE TO SITE CONDITIONS. CONTRACTOR TO FIELD VERIFY POLE LOCATIONS PRIOR TO INSTALLATION TO ACCOMMODATE UTILITIES, PAVEMENTS, FENCES, ETC.
- UNDERGROUND CONDUIT LOCATIONS SHALL BE COORDINATED WITH THE PROPOSED TREE LOCATIONS.
- CONCRETE FOOTING FOR POLE MOUNTED LIGHTS TO BE DESIGNED BY OTHERS. FOOTING DETAIL TO BE SUBMITTED FOR APPROVAL PRIOR TO CONSTRUCTION.
- ELECTRICAL WIRING DESIGN FOR SITE LIGHTING TO BE DESIGNED BY OTHERS.
- SITE LIGHTING SUBSTITUTIONS WILL NOT BE PERMITTED UNLESS SUBSTITUTIONS ARE SUBMITTED AND APPROVED.
- LUMINAIRE AND POLE FINISHES TO BE BLACK.
- LUMINAIRE WILL REMAIN ON FROM DUSK TO DAWN. ALL LIGHTS WILL BE CONTROLLABLE FOR OPTIONAL DIMMING OR SECURITY LIGHTING.

LIGHTING PLAN NOTES

- LIGHTING LEGEND**
- 25' HEIGHT POLE MOUNT LUMINAIRE
 - 18' OR 25' HEIGHT POLE MOUNT LUMINAIRE
 - 12' OR 15' HEIGHT CANOPY LUMINAIRE
 - 12' OR 15' HEIGHT WALL MOUNT
 - 0.25 FOOTCANDLES
 - 0.50 FOOTCANDLES
 - 1.00 FOOTCANDLES



BUILDING 3000
BASS PRO SHOPS

RIVERTON CROSSING

RIVERTON BOULEVARD

MAIN STREET
(24' ROW)

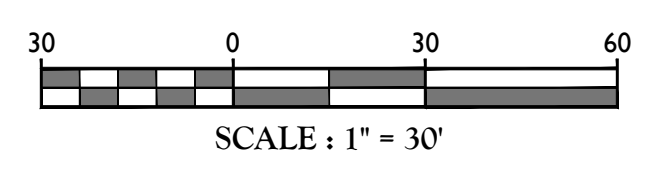
LIGHTING STATISTICS

AREA DESCRIPTION	SYMBOL	AVERAGE	MAXIMUM	MINIMUM	MAX/MIN	AVG/MIN
BASS PRO ENTRANCE DRIVE AND ADJACENT SIDEWALKS	R-1	1.9 FC	3.4 FC	0.6 FC	5.7:1.0	32.1:1.0
BASS PRO PARKING/DRIVES/ADJACENT SIDEWALKS	R-2	1.5 FC	2.8 FC	0.1 FC	28.0:1.0	15.0:1.0

LIGHTING SCHEDULE

SYMBOL	LABEL	QTY	CATALOG NUMBER	LAMP	LUMENS PER LAMP	WATTAGE	MOUNT
B-1	31	EMM E04 LED E1 T3	84 LED	11,745 LUMENS	99 WATTS	27" SINGLE	
B-2	7	EMM E04 LED E1 T4	84 LED	11,503 LUMENS	99 WATTS	27" SINGLE	
B-3	39	EMM E04 LED E1 SMO	84 LED	12,215 LUMENS	99 WATTS	27" SINGLE	
B-5	22	EMM E03 LED E1 T3	63 LED	8,809 LUMENS	82 WATTS	27" SINGLE	

*SEE PLAN FOR LOCATIONS



Colliers
Engineering & Design
www.colliersengineering.com
Copyright © 2023 Colliers Engineering & Design, Inc. All rights reserved. This drawing and all the information contained herein is submitted for use only by the party for whom the project was prepared and is not to be used for any other purpose without the express written consent of Colliers Engineering & Design.
Doing Business as **MASER**

811
Know what's below.
Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

REV	DATE	DESCRIPTION	DRAWN BY	DESCRIPTION

REV	DATE	DESCRIPTION	DRAWN BY	DESCRIPTION
1	04/20/23	RM	RM	SUBMISSION TO DMA
2	04/20/23	RM	RM	REVISOR PARKING COUNT
3	04/20/23	RM	RM	REVISOR FOR PLANNING BOARD SUBMISSION

Daniel W. Busch
DANIEL W. BUSCH
NEW JERSEY PROFESSIONAL ENGINEER - LICENSE NUMBER: G642093

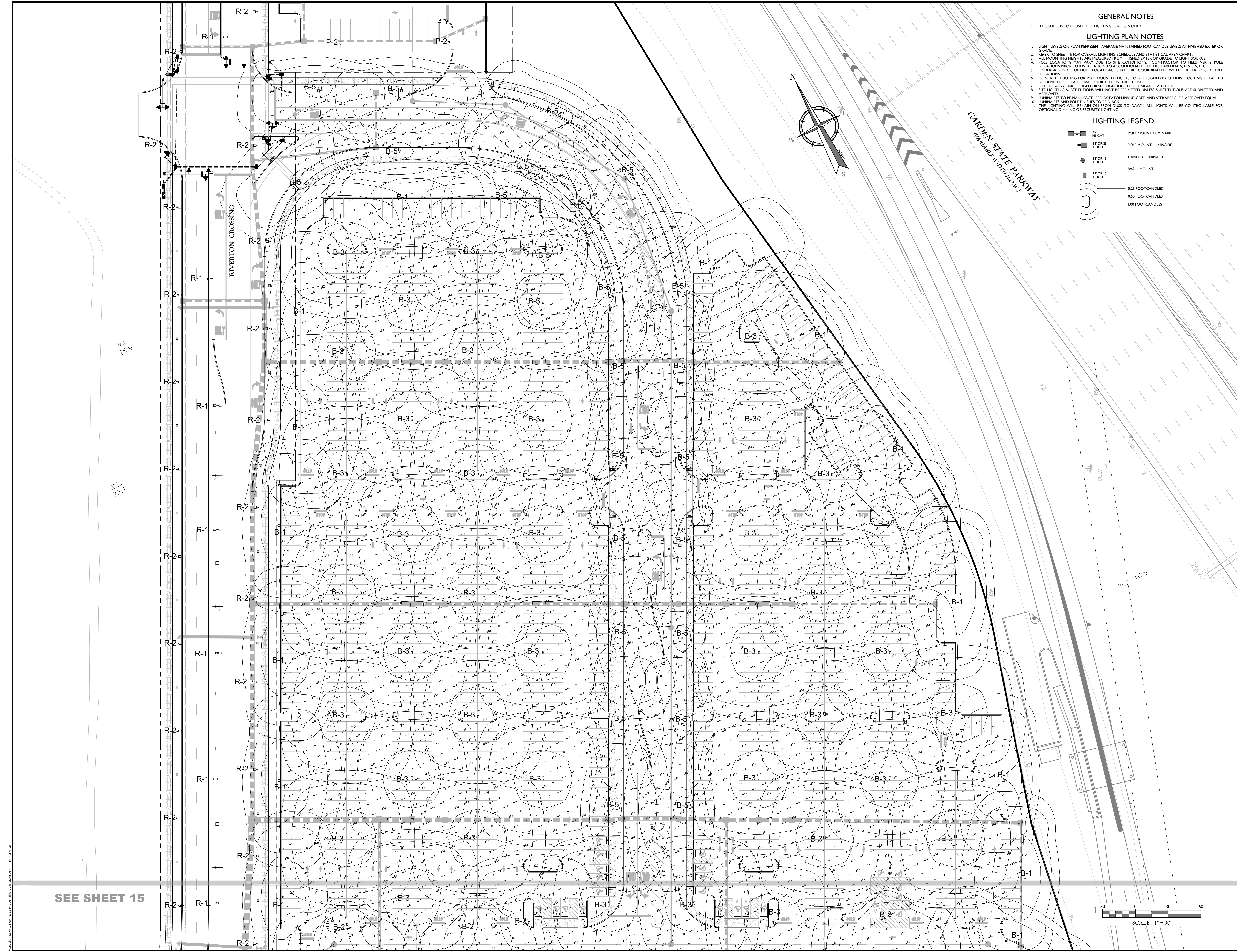
PHASE 1A BASS PRO BUILDING SITE
FOR
SAYREVILLE SEAPORT ASSOCIATES
BLOCK 257.02 LOT 7
BOROUGH OF SAYREVILLE MIDDLESEX COUNTY NEW JERSEY

Colliers
Engineering & Design
#

SCALE	DATE	DRAWN BY	CHECKED BY
AS SHOWN	07/13/2023	RM	DWB

SHEET TITLE:
LIGHTING PLAN

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



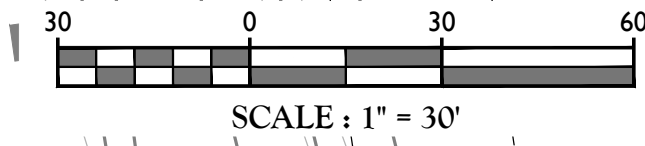
GENERAL NOTES

1. THIS SHEET IS TO BE USED FOR LIGHTING PURPOSES ONLY.
2. LIGHT LEVELS ON PLAN REPRESENT AVERAGE MAINTAINED FOOTCANDLE LEVELS AT FINISHED EXTERIOR GRADE.
3. REFER TO SHEET 15 FOR OVERALL LIGHTING SCHEDULE AND STATISTICAL AREA CHART.
4. ALL MOUNTING HEIGHTS ARE MEASURED FROM FINISHED EXTERIOR GRADE TO LIGHT SOURCE.
5. POLE LOCATIONS MAY VARY DUE TO SITE CONDITIONS. CONTRACTOR TO FIELD VERIFY POLE LOCATIONS PRIOR TO INSTALLATION TO ACCOMMODATE UTILITIES, PAVEMENTS, FENCES, ETC.
6. UNDERGROUND CONDUIT LOCATIONS SHALL BE COORDINATED WITH THE PROPOSED TREE LOCATIONS.
7. CONCRETE FOOTING FOR POLE MOUNTED LIGHTS TO BE DESIGNED BY OTHERS. FOOTING DETAIL TO BE SUBMITTED FOR APPROVAL PRIOR TO CONSTRUCTION.
8. ELECTRICAL WIRING DESIGN FOR SITE LIGHTING TO BE DESIGNED BY OTHERS.
9. SITE LIGHTING SUBSTITUTIONS WILL NOT BE PERMITTED UNLESS SUBSTITUTIONS ARE SUBMITTED AND APPROVED.
10. LUMINAIRES TO BE MANUFACTURED BY GATON-RIVUE, CREE, AND STERNBERG, OR APPROVED EQUAL.
11. LUMINAIRES AND POLE FINISHES TO BE BLACK.
12. THE LIGHTING WILL REMAIN ON FROM DUSK TO DAWN. ALL LIGHTS WILL BE CONTROLLABLE FOR OPTIONAL DIMMING OR SECURITY LIGHTING.

LIGHTING PLAN NOTES

- LIGHTING LEGEND**
- 25' HEIGHT POLE MOUNT LUMINAIRE
 - 18' OR 25' HEIGHT POLE MOUNT LUMINAIRE
 - 12' OR 15' HEIGHT CANOPY LUMINAIRE
 - 12' OR 15' HEIGHT WALL MOUNT
 - 0.25 FOOTCANDLES
 - 0.50 FOOTCANDLES
 - 1.00 FOOTCANDLES

SEE SHEET 15



Colliers
Engineering & Design

www.colliersengineering.com

Copyright © 2023 Colliers Engineering & Design, Inc. All rights reserved. This drawing and all the information contained herein is authorized for use only by the party for whom the services were rendered or its successors. It is not to be used for any other purpose without the express written consent of Colliers Engineering & Design.

Doing Business as **MASER**

811
Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

REV	DATE	DRAWN BY	DESCRIPTION
1	04/20/23	RM	SUBMISSION TO DBA
2	04/20/23	RM	REVISIONS PER PLAN BOARD SUBMISSION
3	04/20/23	RM	REVISIONS PER PLAN BOARD SUBMISSION

DANIEL W. BUSCH
NEW JERSEY PROFESSIONAL ENGINEER - LICENSE NUMBER: 0642093

PHASE 1A BASS PRO BUILDING SITE

FOR
SAYREVILLE SEAPORT ASSOCIATES

BLOCK 257.02
LOT 7

BOROUGH OF SAYREVILLE
MIDDLESEX COUNTY
NEW JERSEY

Colliers
Engineering & Design

HOLMDEL (Headquarters)
537 Newnam Springs Road, Suite 203
Red Bank, NJ 07071
Phone: 732.983.1950
COLLIERS ENGINEERING & DESIGN, INC.
DOWNS BUSINESS AS MASER CONSULTING

SCALE	DATE	DRAWN BY	CHECKED BY
AS SHOWN	07/13/2023	RM	DWB
PROJECT NUMBER	DRAWING NAME	SHEET TITLE	
05000500F	C-LIGHT BASS PRO ASP	LIGHTING PLAN	
SHEET NUMBER 16 of 26			

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

ORDERING INFORMATION table for page 4, including columns for Product Family, Number of LightBulbs, Lamp Type, Voltage, Distribution, and Mid Section Type.

Options (Add as Suffix) and Accessories (Order Separately) sections for page 4, detailing various mounting and accessory options.

LIGHT FIXTURE 'B-1' DETAIL NOT TO SCALE

NOTES: 1. LIGHT FIXTURE TO BE MANUFACTURED BY EATON LIGHTING OR APPROVED EQUAL. 2. PRODUCT ORDERING NUMBER: EHM-SQS-LD-E1-B1-SQ-BL-BK.

3. POLE ARM ORDERING NUMBER: VAM-S4-BK. 4. LIGHT FIXTURE TO BE BLACK.

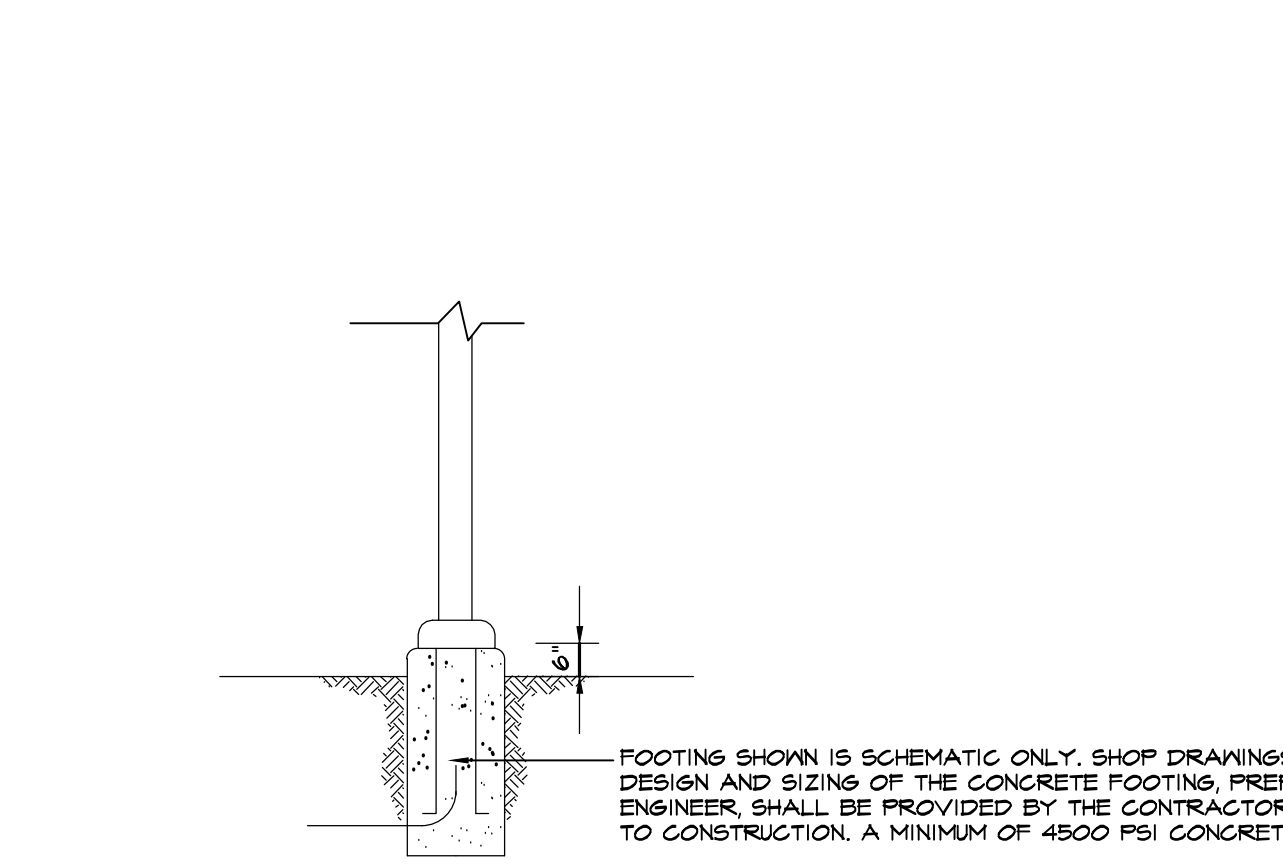
ORDERING INFORMATION table for page 4, including columns for Product Family, Number of LightBulbs, Lamp Type, Voltage, Distribution, and Mid Section Type.

Options (Add as Suffix) and Accessories (Order Separately) sections for page 4, detailing various mounting and accessory options.

LIGHT FIXTURE 'B-5' DETAIL NOT TO SCALE

NOTES: 1. LIGHT FIXTURE TO BE MANUFACTURED BY EATON LIGHTING OR APPROVED EQUAL. 2. PRODUCT ORDERING NUMBER: EHM-SQS-LD-E1-B5-SQ-BL-BK.

3. POLE ARM ORDERING NUMBER: VAM-S4-BK. 4. LIGHT FIXTURE TO BE BLACK.



CONCRETE BASE FOR PARKING LOT LIGHT FIXTURES LOCATED WITHIN PLANTING AREAS NOT TO SCALE

ORDERING INFORMATION table for page 4, including columns for Product Family, Number of LightBulbs, Lamp Type, Voltage, Distribution, and Mid Section Type.

Options (Add as Suffix) and Accessories (Order Separately) sections for page 4, detailing various mounting and accessory options.

LIGHT FIXTURE 'B-2' DETAIL NOT TO SCALE

NOTES: 1. LIGHT FIXTURE TO BE MANUFACTURED BY EATON LIGHTING OR APPROVED EQUAL. 2. PRODUCT ORDERING NUMBER: EHM-SQS-LD-E1-B2-SQ-BL-BK.

3. POLE ARM ORDERING NUMBER: VAM-S4-BK. 4. LIGHT FIXTURE TO BE BLACK.

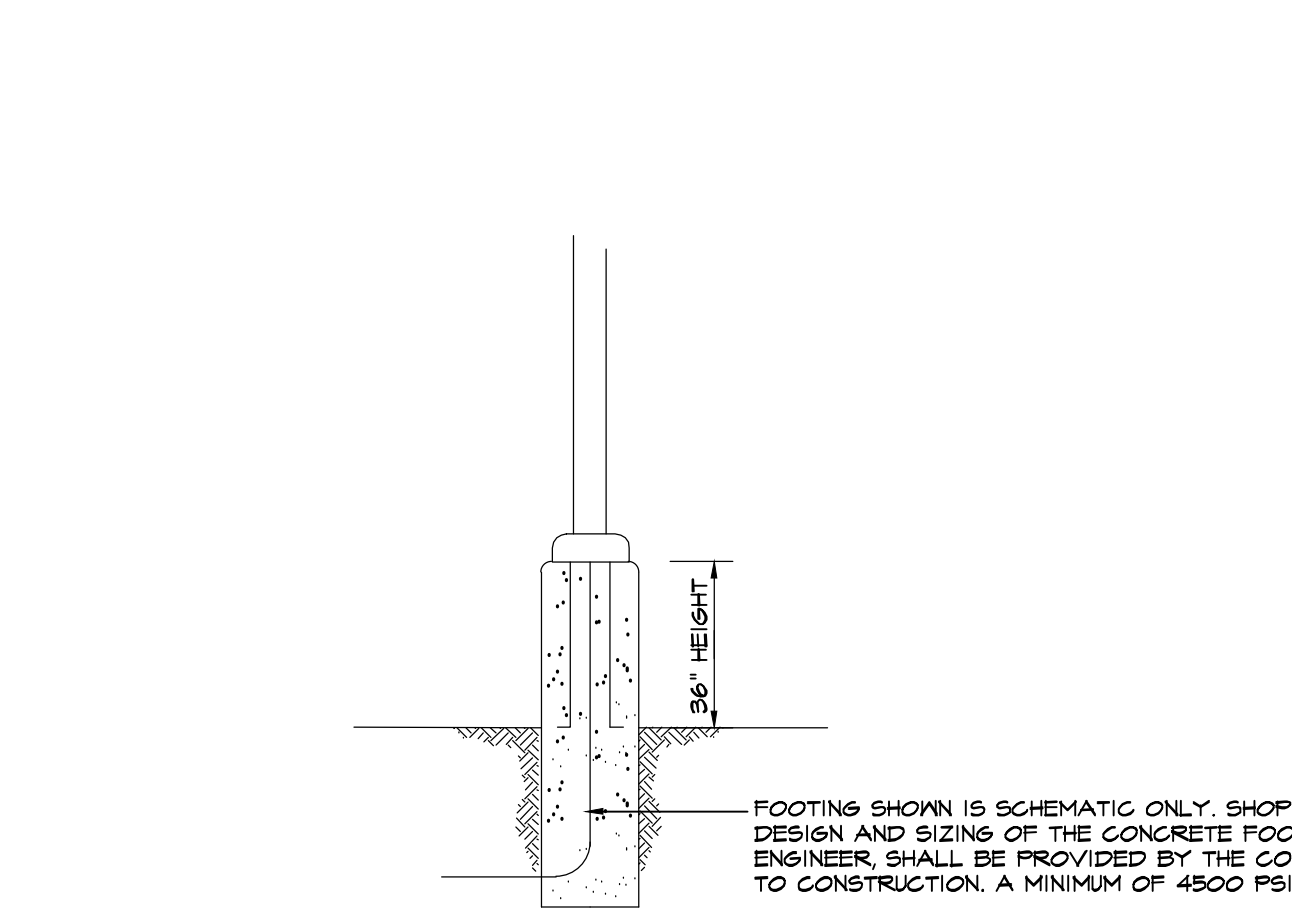
ORDERING INFORMATION table for page 4, including columns for Product Family, Number of LightBulbs, Lamp Type, Voltage, Distribution, and Mid Section Type.

Options (Add as Suffix) and Accessories (Order Separately) sections for page 4, detailing various mounting and accessory options.

POLE DETAIL FOR FIXTURES LOCATED WITHIN PLANTING AREAS NOT TO SCALE

NOTES: 1. POLE TO BE MANUFACTURED BY EATON OR APPROVED EQUAL. 2. PRODUCT ORDERING NUMBER: BMS-SQ-S-2-ET-S-BK.

3. LIGHT POLE TO BE BLACK. 4. POLE TO BE TYPED IN FIELD TO MEET 21 MOUNTING HEIGHT.



RAISED CONCRETE BASE FOR LIGHT FIXTURES LOCATED WITHIN PARKING LOT PAVEMENT AREAS NOT TO SCALE

ORDERING INFORMATION table for page 4, including columns for Product Family, Number of LightBulbs, Lamp Type, Voltage, Distribution, and Mid Section Type.

Options (Add as Suffix) and Accessories (Order Separately) sections for page 4, detailing various mounting and accessory options.

LIGHT FIXTURE 'B-3' DETAIL NOT TO SCALE

NOTES: 1. LIGHT FIXTURE TO BE MANUFACTURED BY EATON LIGHTING OR APPROVED EQUAL. 2. PRODUCT ORDERING NUMBER: EHM-SQS-LD-E1-B3-SQ-BL-BK.

3. POLE ARM ORDERING NUMBER: VAM-S4-BK. 4. LIGHT FIXTURE TO BE BLACK.

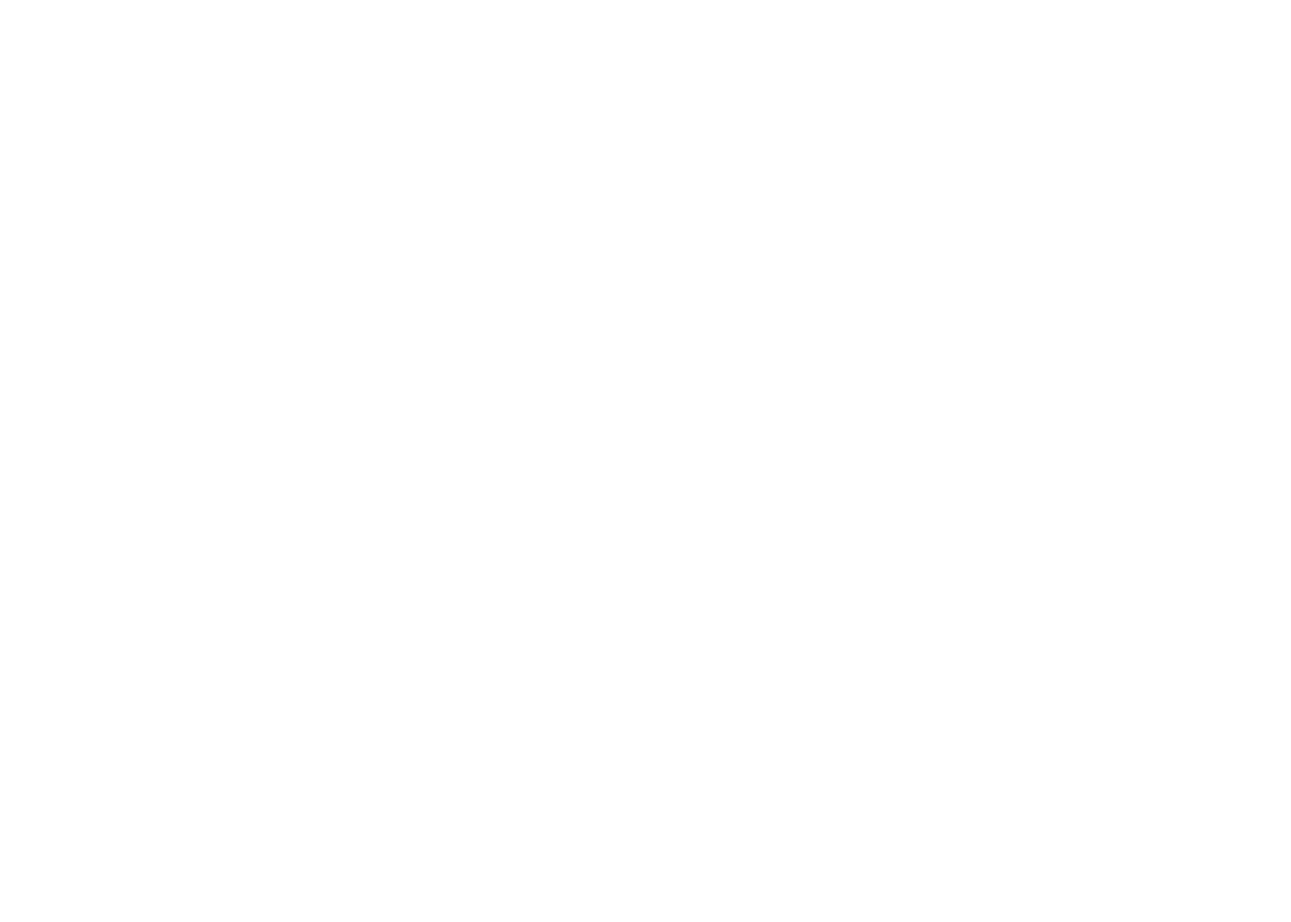
ORDERING INFORMATION table for page 4, including columns for Product Family, Number of LightBulbs, Lamp Type, Voltage, Distribution, and Mid Section Type.

Options (Add as Suffix) and Accessories (Order Separately) sections for page 4, detailing various mounting and accessory options.

POLE DETAIL FOR FIXTURES LOCATED WITHIN PARKING LOT PAVEMENT AREAS NOT TO SCALE

NOTES: 1. POLE TO BE MANUFACTURED BY EATON OR APPROVED EQUAL. 2. PRODUCT ORDERING NUMBER: BMS-SQ-S-2-ET-S-BK.

3. LIGHT POLE TO BE BLACK. 4. POLE TO BE TYPED IN FIELD TO MEET 21 MOUNTING HEIGHT.



RAISED CONCRETE BASE FOR LIGHT FIXTURES LOCATED WITHIN PARKING LOT PAVEMENT AREAS NOT TO SCALE

ORDERING INFORMATION table for page 4, including columns for Product Family, Number of LightBulbs, Lamp Type, Voltage, Distribution, and Mid Section Type.

Options (Add as Suffix) and Accessories (Order Separately) sections for page 4, detailing various mounting and accessory options.

LIGHT FIXTURE 'B-4' DETAIL NOT TO SCALE

NOTES: 1. LIGHT FIXTURE TO BE MANUFACTURED BY EATON LIGHTING OR APPROVED EQUAL. 2. PRODUCT ORDERING NUMBER: EHM-SQS-LD-E1-B4-SQ-BL-BK.

3. POLE ARM ORDERING NUMBER: VAM-S4-BK. 4. LIGHT FIXTURE TO BE BLACK.

ORDERING INFORMATION table for page 4, including columns for Product Family, Number of LightBulbs, Lamp Type, Voltage, Distribution, and Mid Section Type.

Options (Add as Suffix) and Accessories (Order Separately) sections for page 4, detailing various mounting and accessory options.

ORDERING INFORMATION table for page 4, including columns for Product Family, Number of LightBulbs, Lamp Type, Voltage, Distribution, and Mid Section Type.

Options (Add as Suffix) and Accessories (Order Separately) sections for page 4, detailing various mounting and accessory options.

LIGHT FIXTURE 'B-4' DETAIL NOT TO SCALE

NOTES: 1. LIGHT FIXTURE TO BE MANUFACTURED BY EATON LIGHTING OR APPROVED EQUAL. 2. PRODUCT ORDERING NUMBER: EHM-SQS-LD-E1-B4-SQ-BL-BK.

3. POLE ARM ORDERING NUMBER: VAM-S4-BK. 4. LIGHT FIXTURE TO BE BLACK.

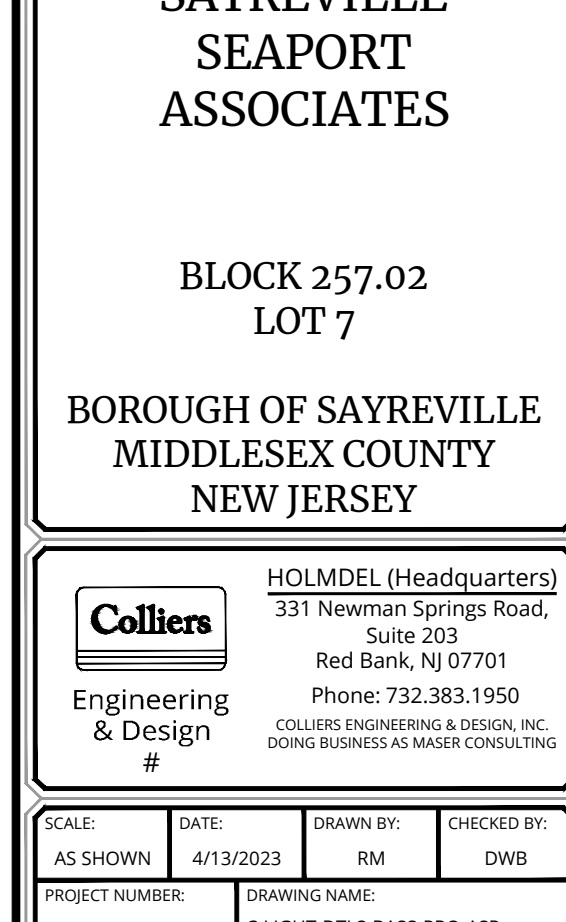
ORDERING INFORMATION table for page 4, including columns for Product Family, Number of LightBulbs, Lamp Type, Voltage, Distribution, and Mid Section Type.

Options (Add as Suffix) and Accessories (Order Separately) sections for page 4, detailing various mounting and accessory options.

POLE DETAIL FOR FIXTURES LOCATED WITHIN PARKING LOT PAVEMENT AREAS NOT TO SCALE

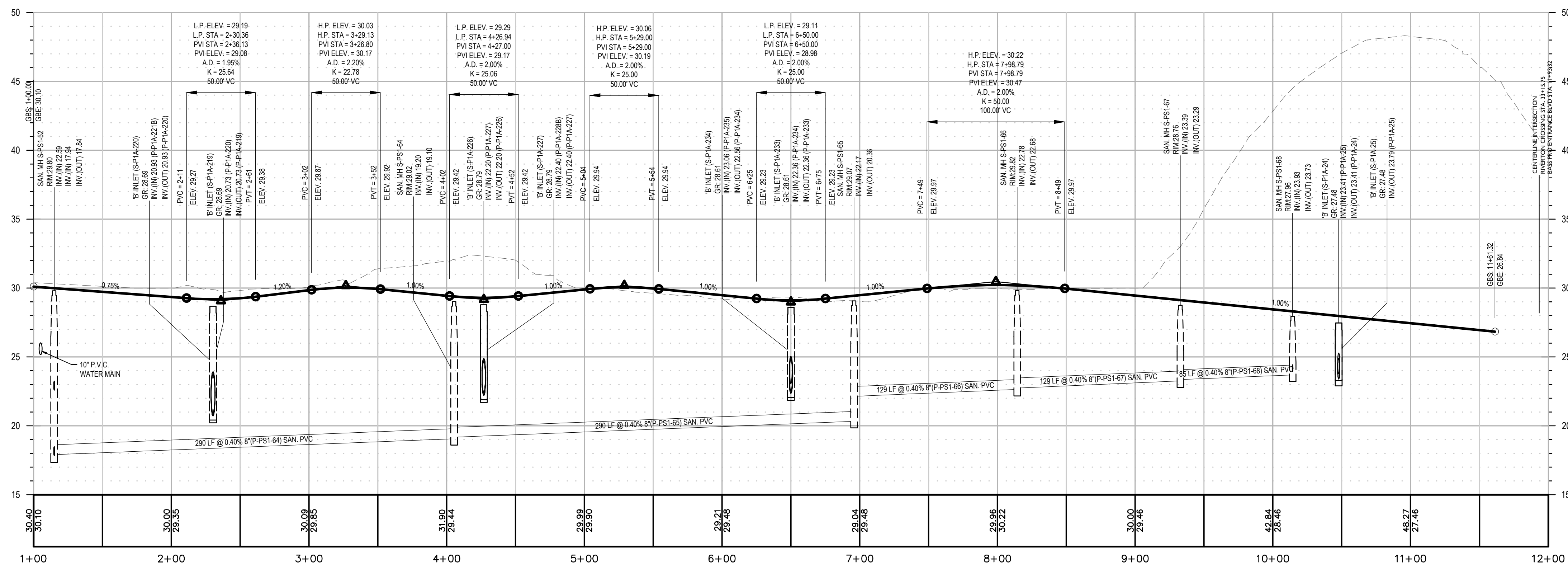
NOTES: 1. POLE TO BE MANUFACTURED BY EATON OR APPROVED EQUAL. 2. PRODUCT ORDERING NUMBER: BMS-SQ-S-2-ET-S-BK.

3. LIGHT POLE TO BE BLACK. 4. POLE TO BE TYPED IN FIELD TO MEET 21 MOUNTING HEIGHT.

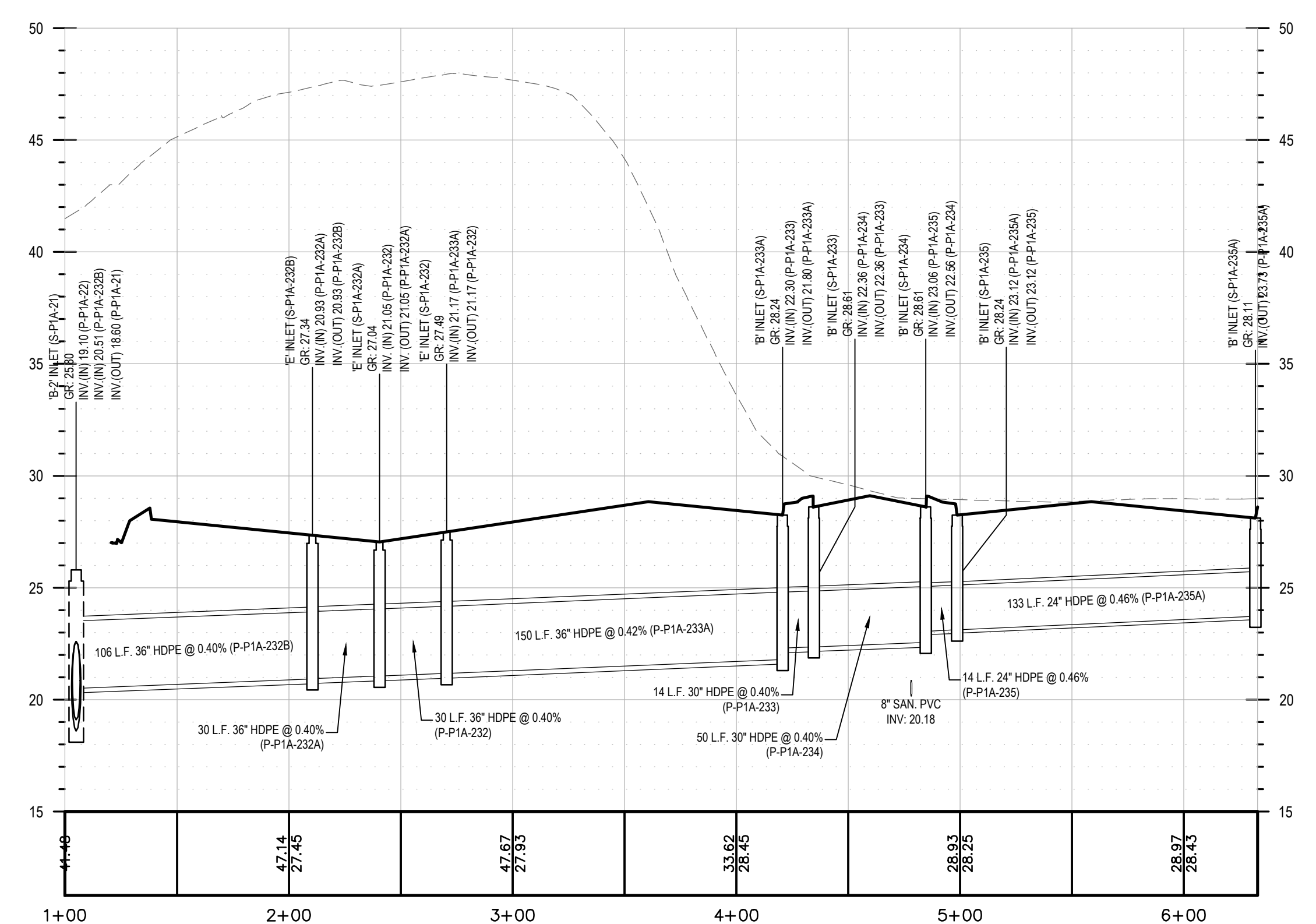


RAISED CONCRETE BASE FOR LIGHT FIXTURES LOCATED WITHIN PARKING LOT PAVEMENT AREAS NOT TO SCALE

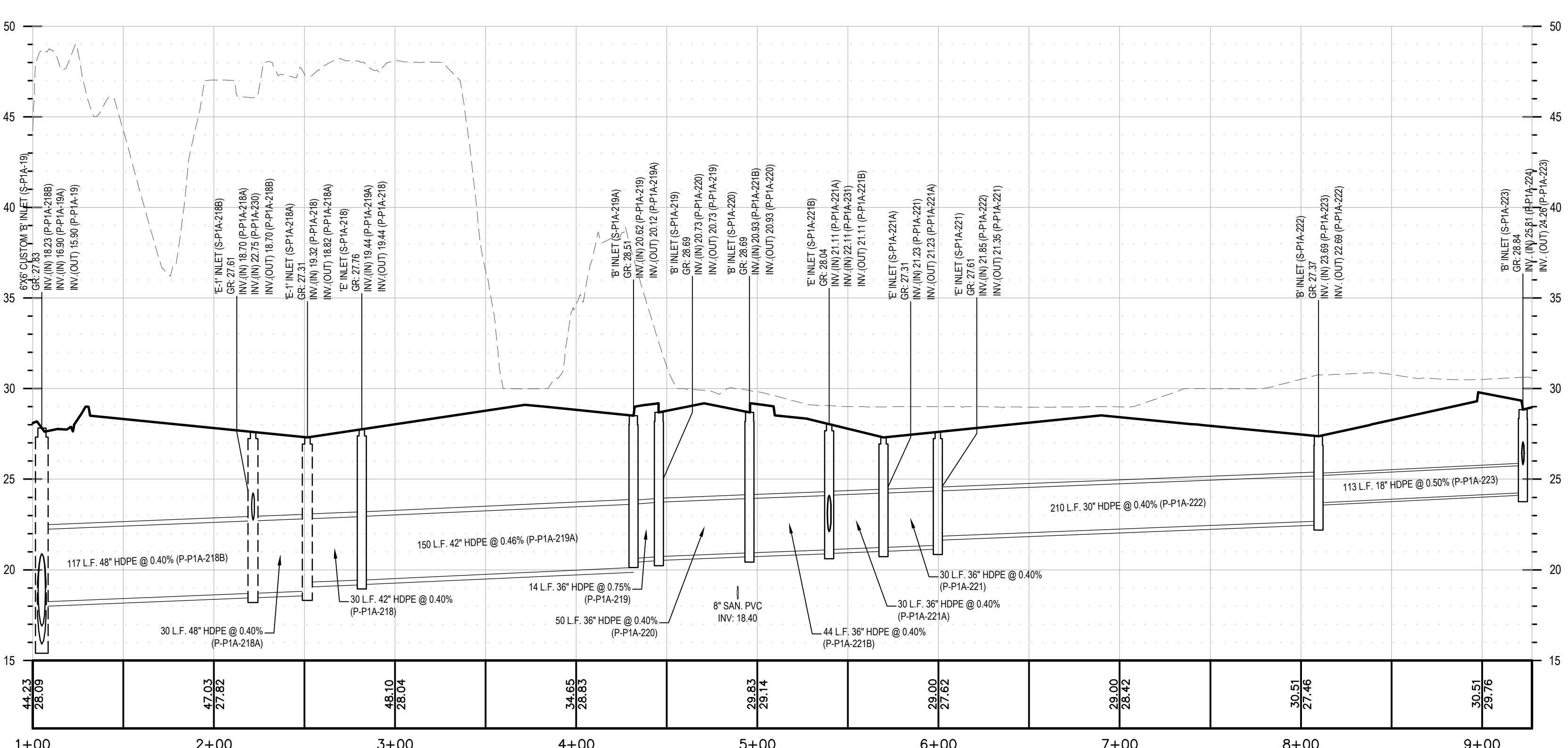
Project information including drawing title 'LIGHTING DETAILS', sheet number '17 of 26', and project details for 'PHASE 1A BASS PRO BUILDING SITE'.



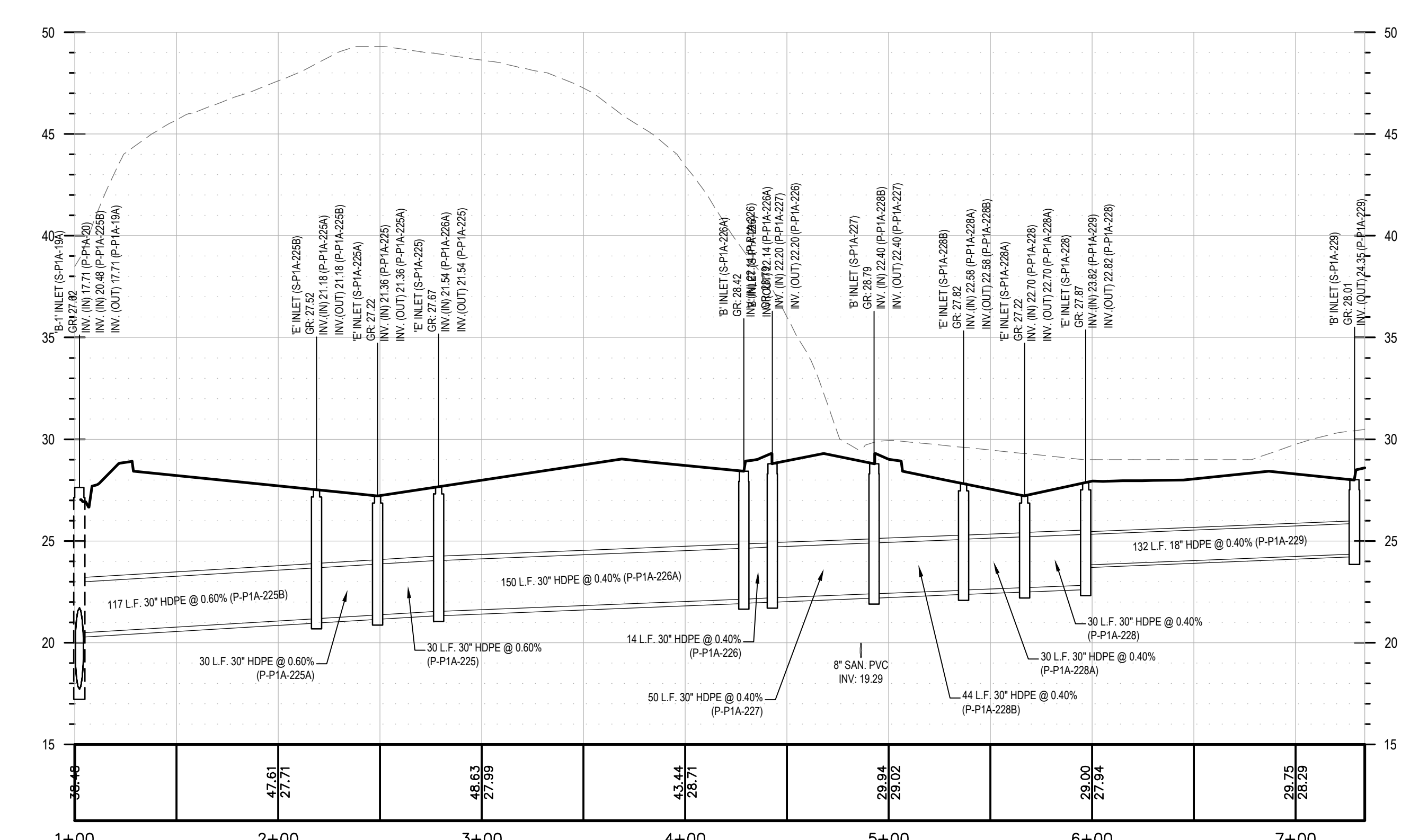
PROFILE OF BASS PRO ENTRANCE BLVD
HORIZONTAL : 1" = 50'
VERTICAL : 1" = 5'



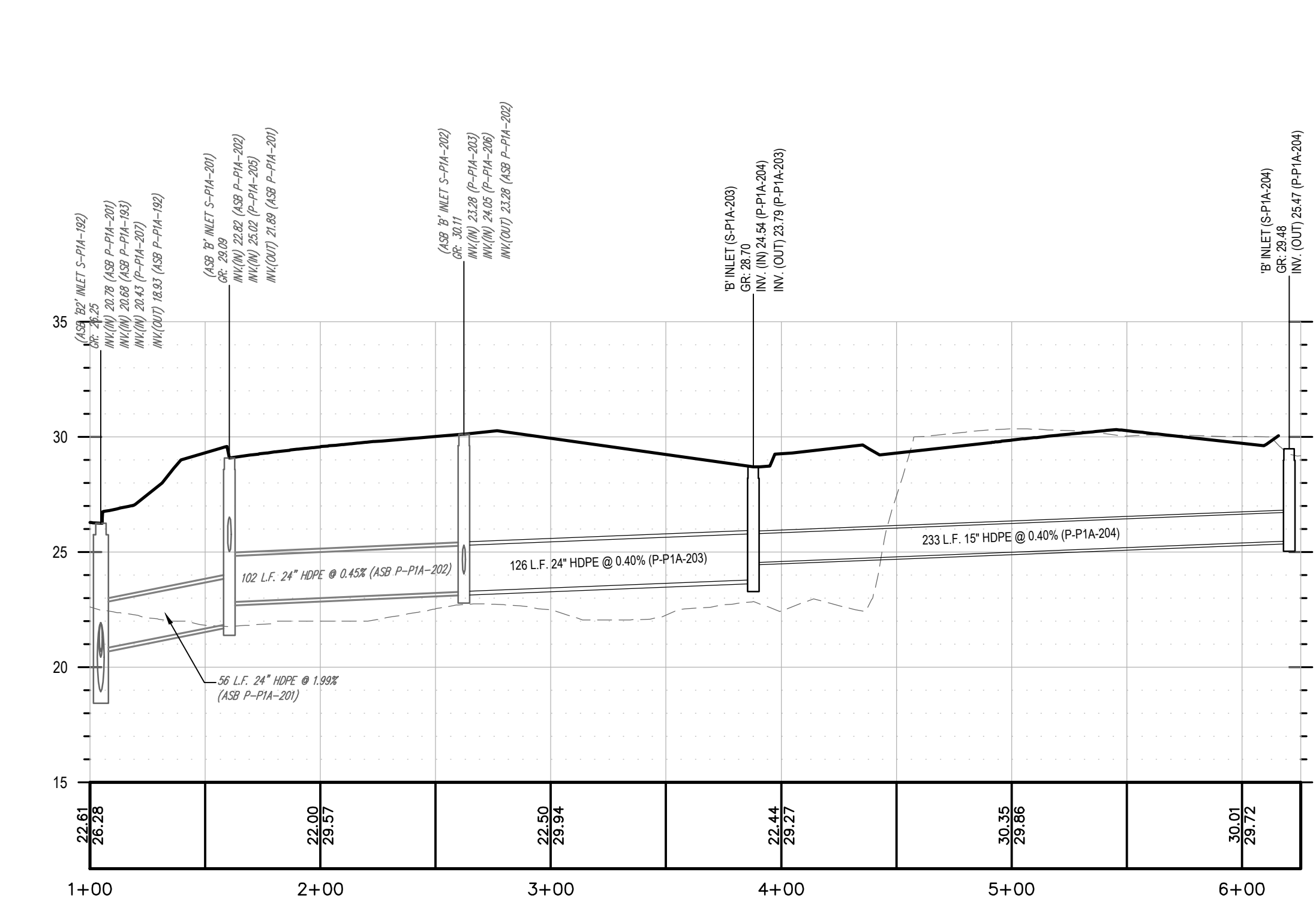
PROFILE OF STM-BP-003
HORIZONTAL : 1" = 50'
VERTICAL : 1" = 5'



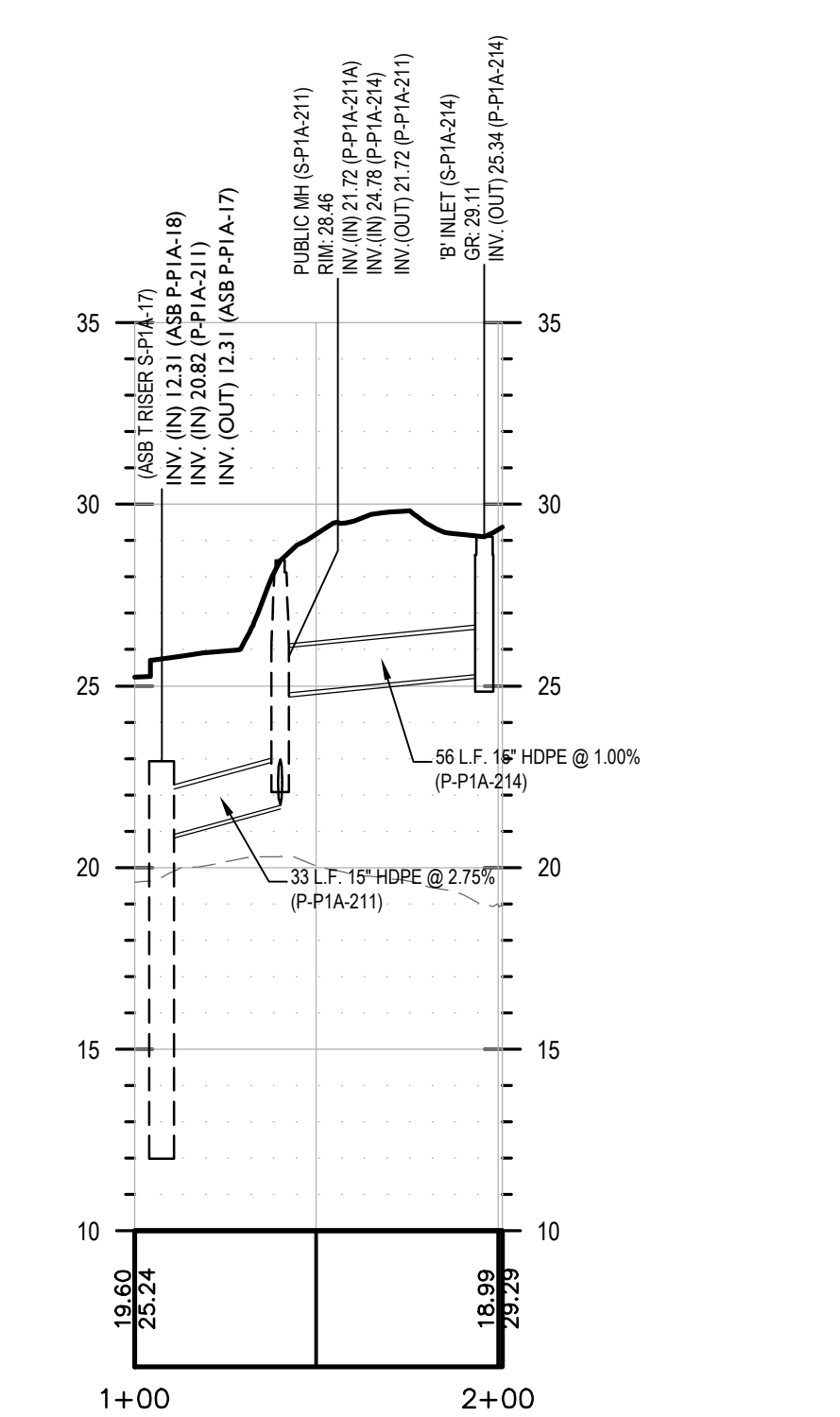
PROFILE OF STM-BP-001
HORIZONTAL : 1" = 50'
VERTICAL : 1" = 5'



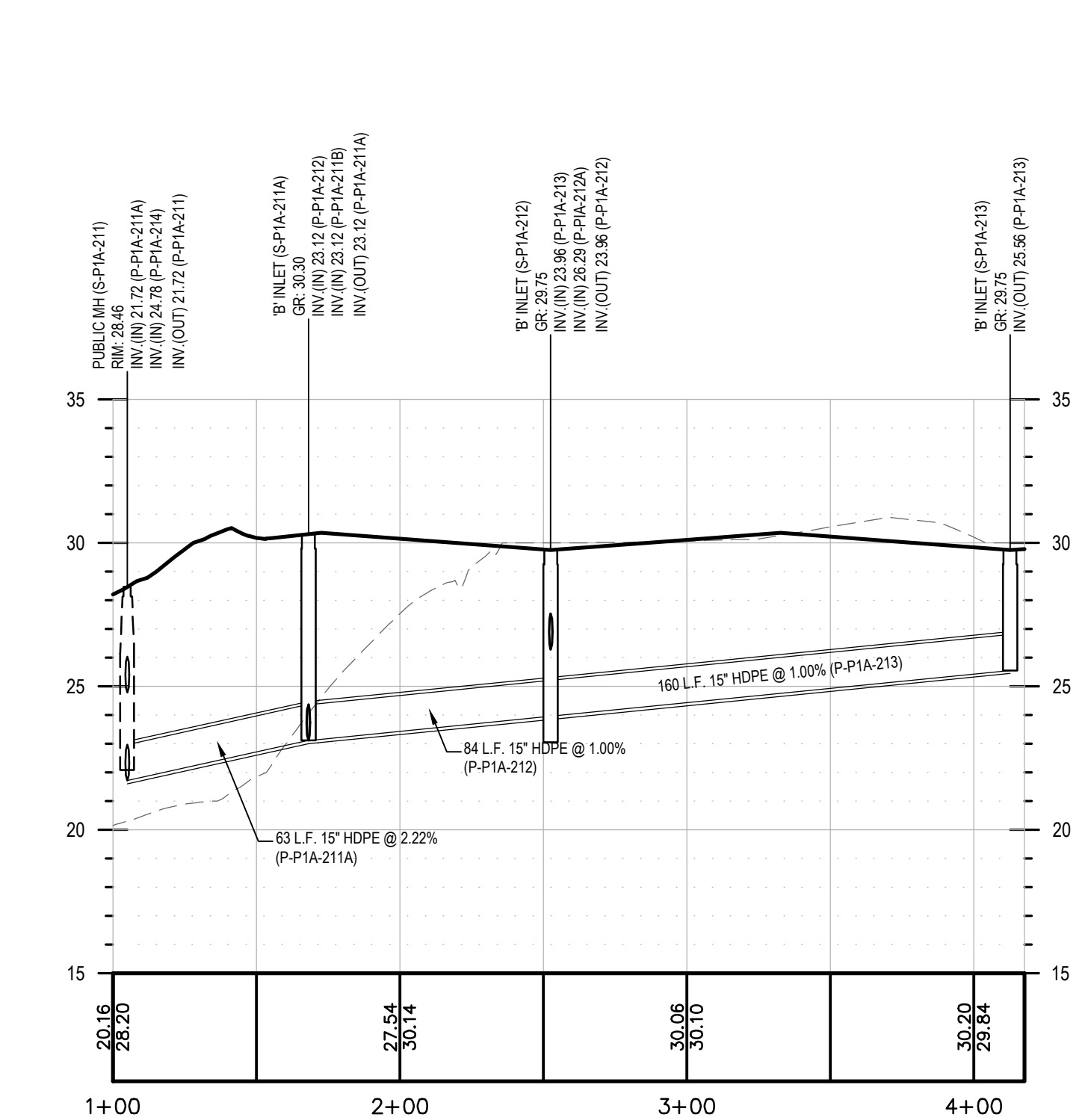
PROFILE OF STM-BP-002
HORIZONTAL : 1" = 50'
VERTICAL : 1" = 5'



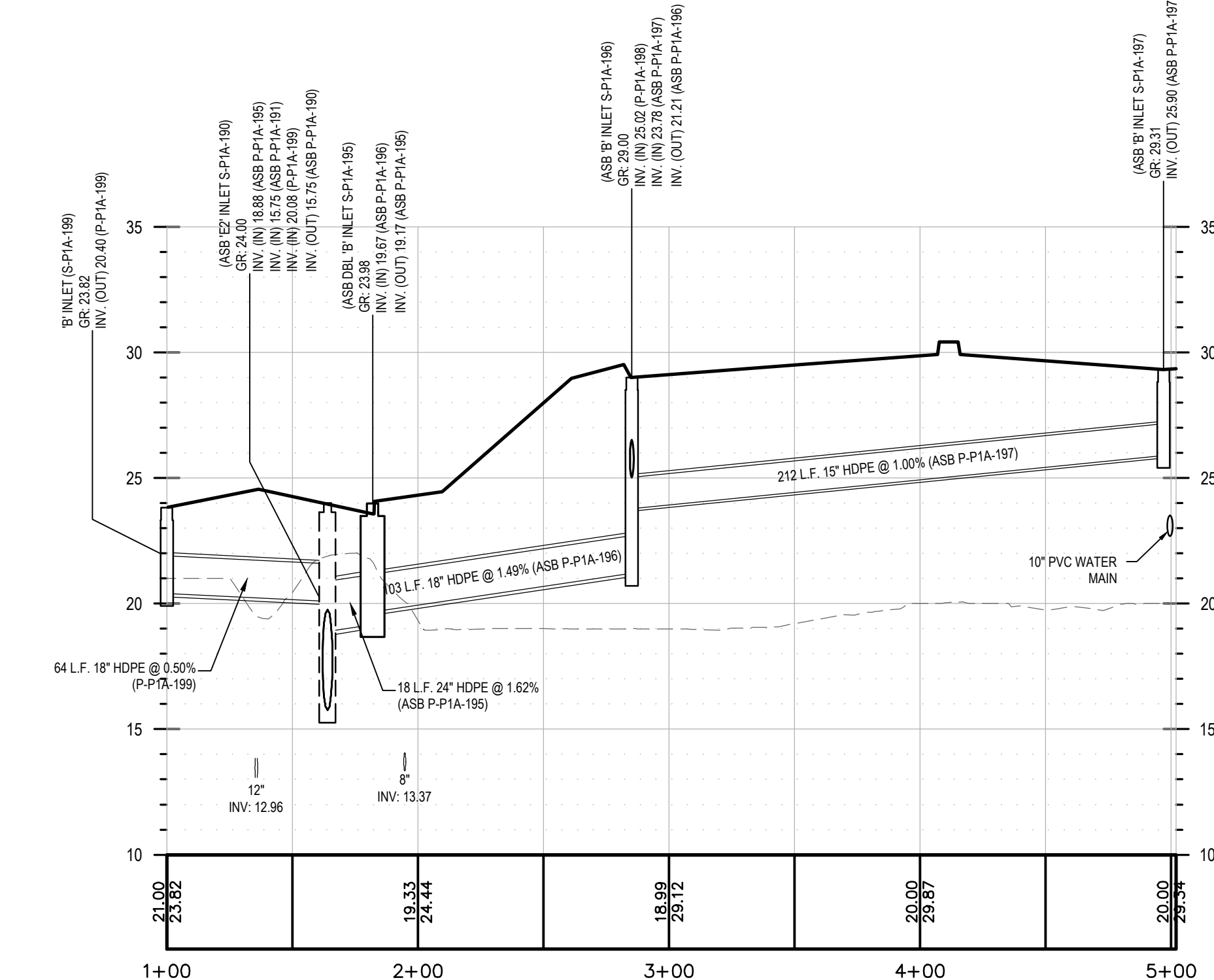
PROFILE OF STM-BP-004
HORIZONTAL : 1" = 50'
VERTICAL : 1" = 5'



PROFILE OF STM-BP-006
HORIZONTAL : 1" = 50'
VERTICAL : 1" = 5'



PROFILE OF STM-BP-007
HORIZONTAL : 1" = 50'
VERTICAL : 1" = 5'



PROFILE OF STM-BP-005
HORIZONTAL : 1" = 50'
VERTICAL : 1" = 5'

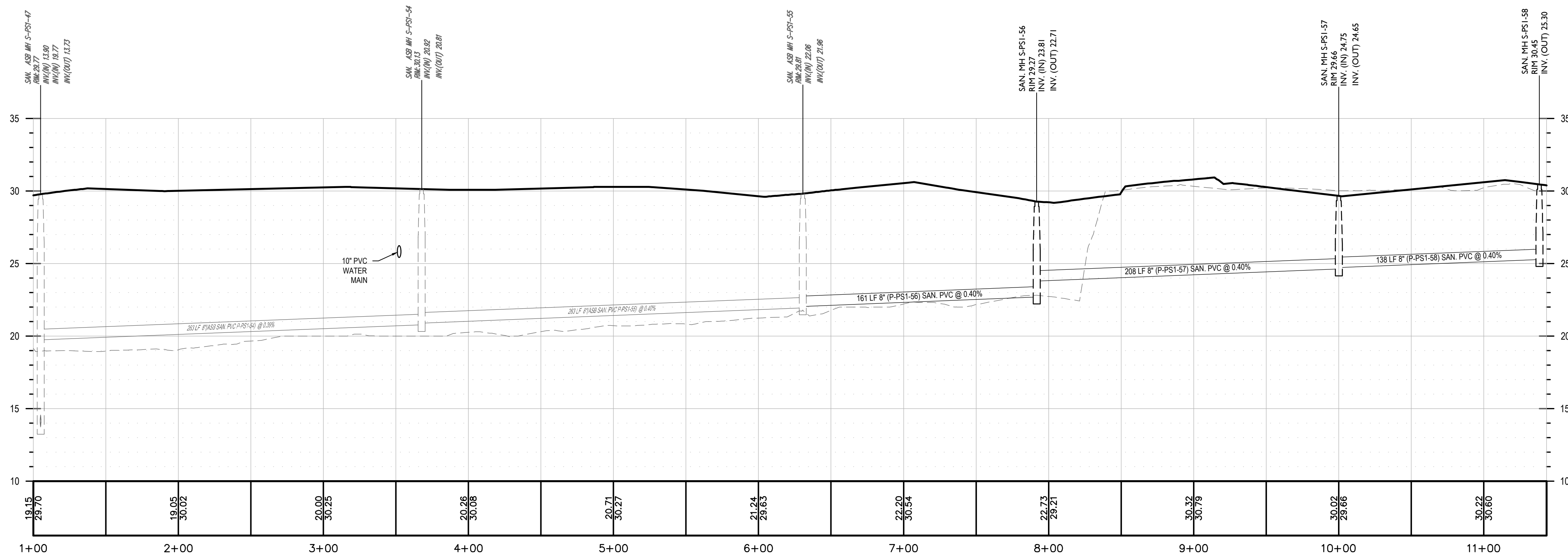
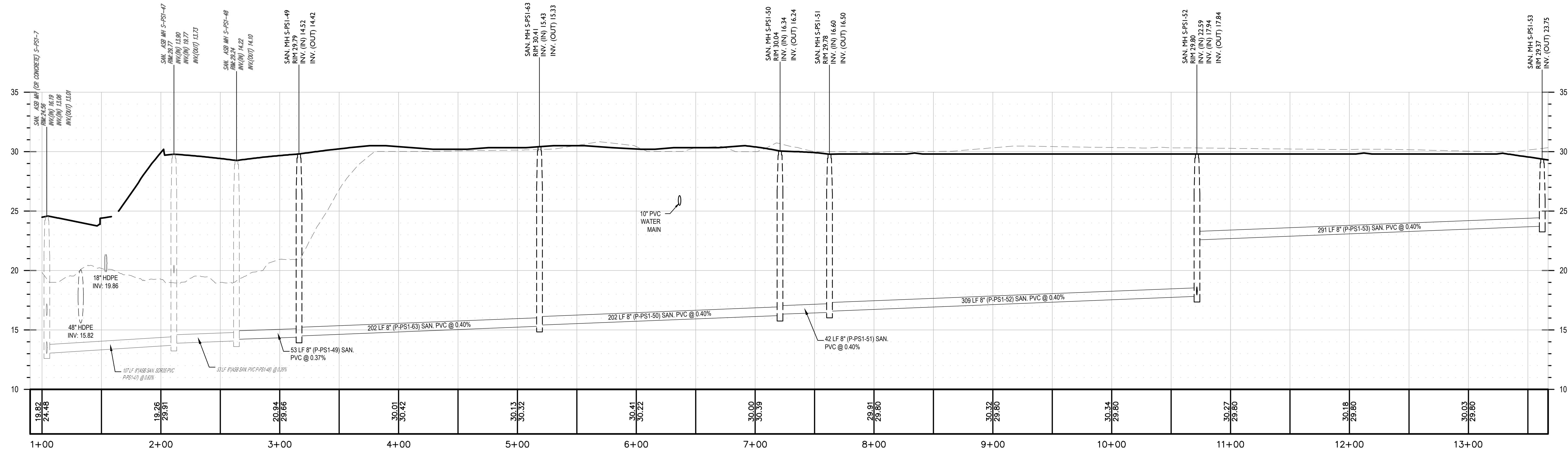
Table with columns: REV, DATE, DRAWN BY, DESCRIPTION. It contains a revision history for the drawing.

Daniel W. Busch, Professional Engineer, License Number: G42093. Includes a signature and seal.

PHASE 1A BASS PRO BUILDING SITE FOR SAYREVILLE SEAPORT ASSOCIATES. BLOCK 257.02 LOT 7. BOROUGH OF SAYREVILLE MIDDLESEX COUNTY NEW JERSEY.

Colliers Engineering & Design logo and contact information: 531 Newnam Springs Road, Suite 203, Red Bank, NJ 07071, Phone: 732.383.1950.

Scale, Date, Drawing Name, and other project details: AS SHOWN, 4/13/2023, C-PROJ-BASS-PRO-ASP.



REV	DATE	DESCRIPTION

REV	DATE	DESCRIPTION	DRAWN BY



DANIEL W. BUSCH
NEW JERSEY PROFESSIONAL
ENGINEER - LICENSE NUMBER: 6E42093

PHASE 1A BASS PRO
BUILDING SITE
FOR
**SAYREVILLE
SEAPORT
ASSOCIATES**

BLOCK 257.02
LOT 7
BOROUGH OF SAYREVILLE
MIDDLESEX COUNTY
NEW JERSEY

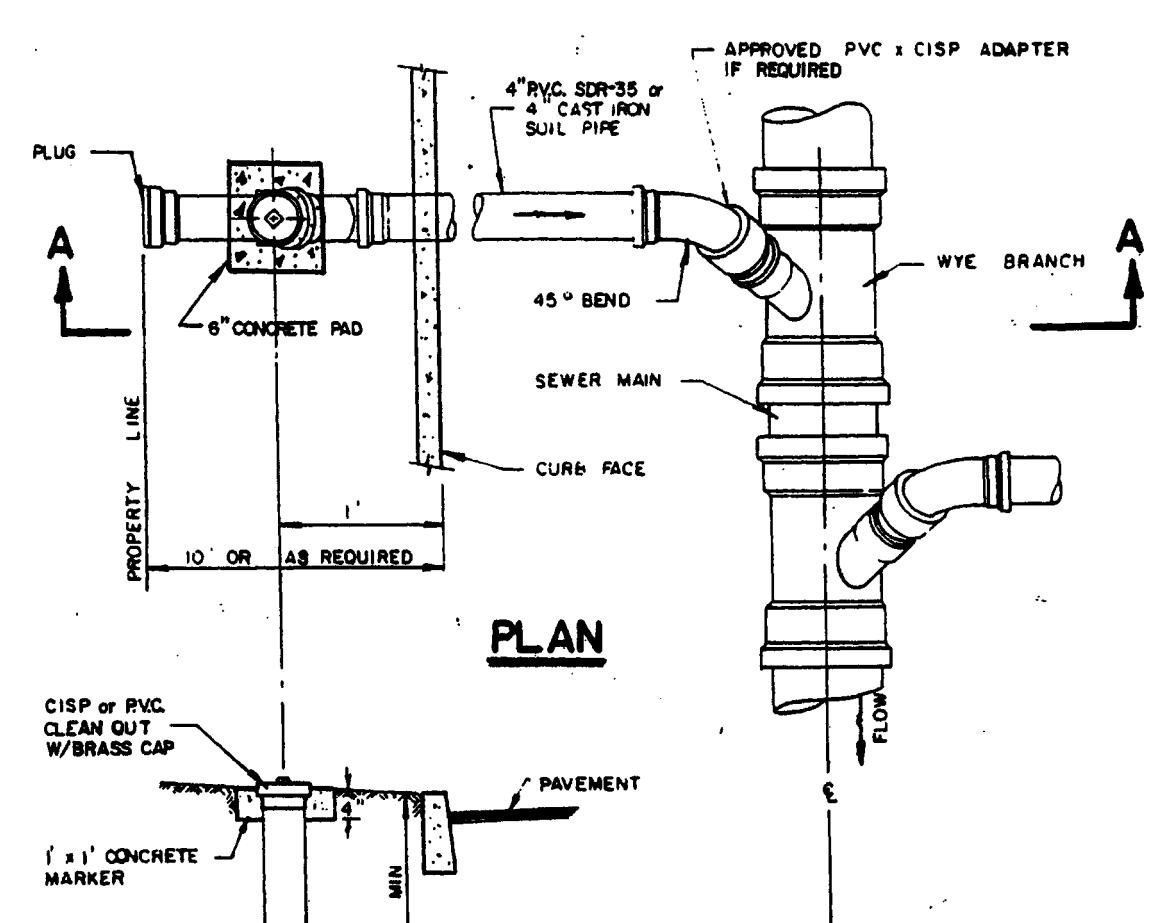
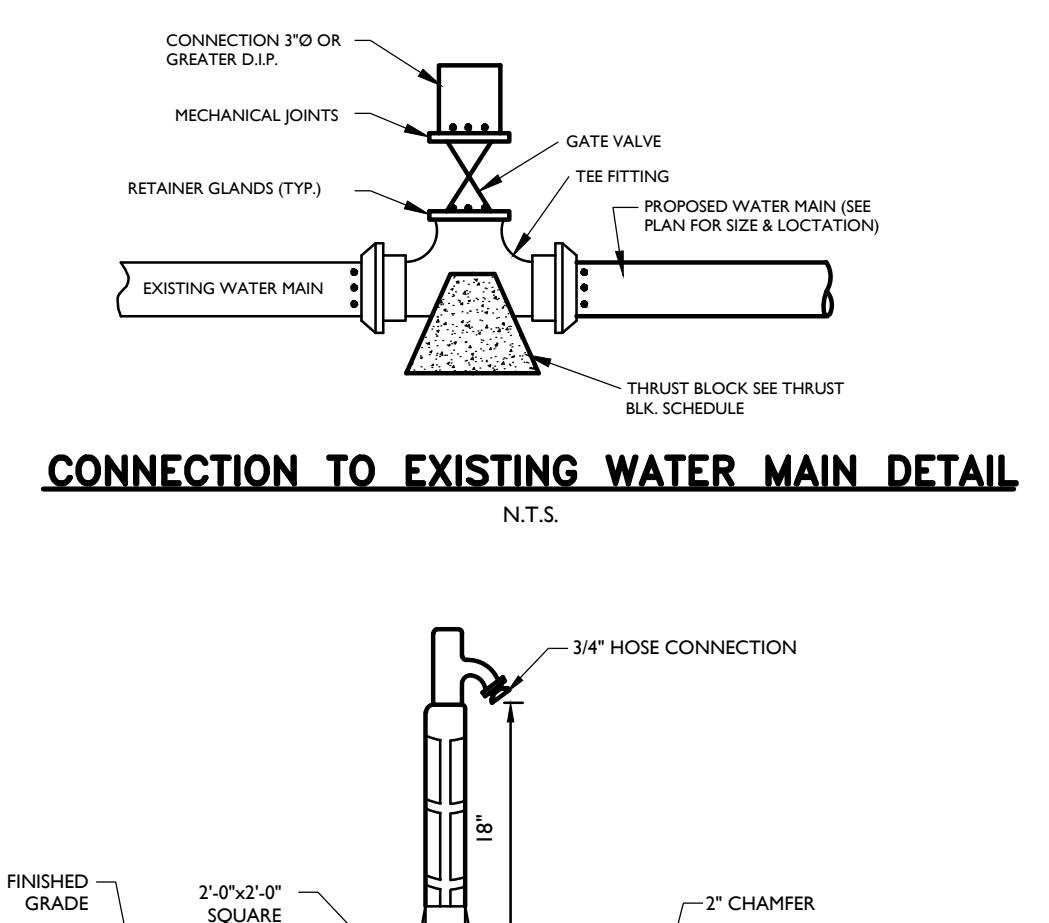
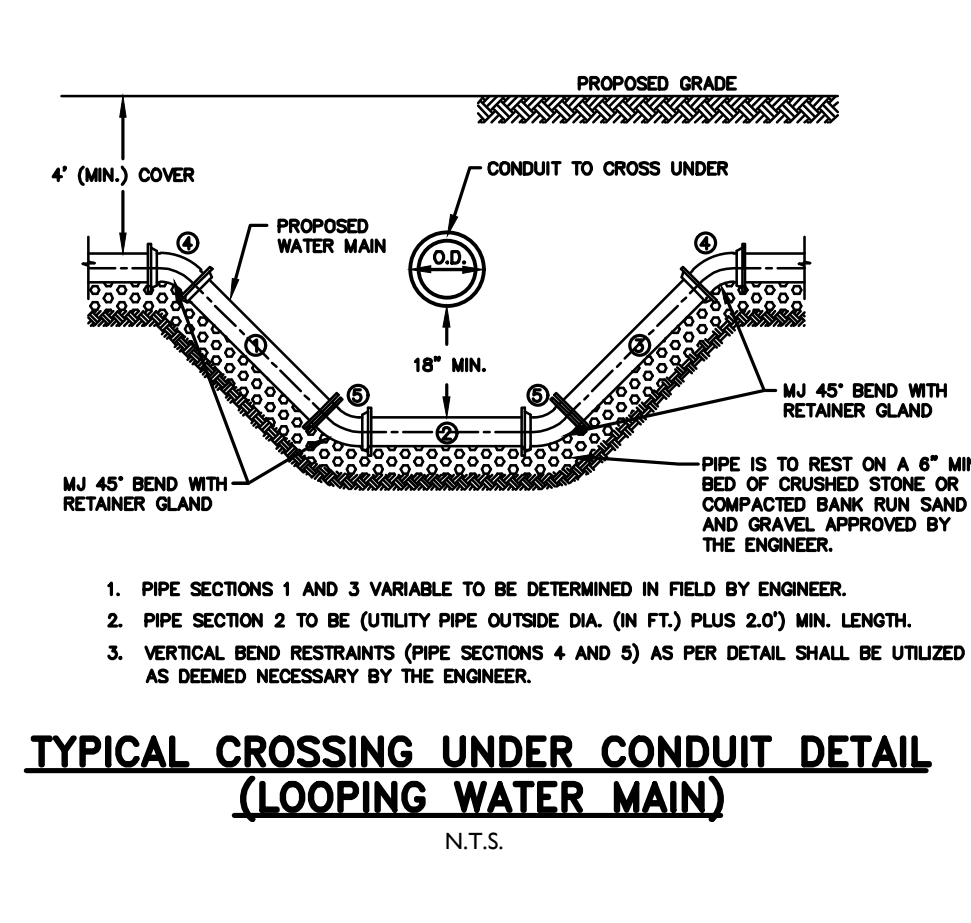
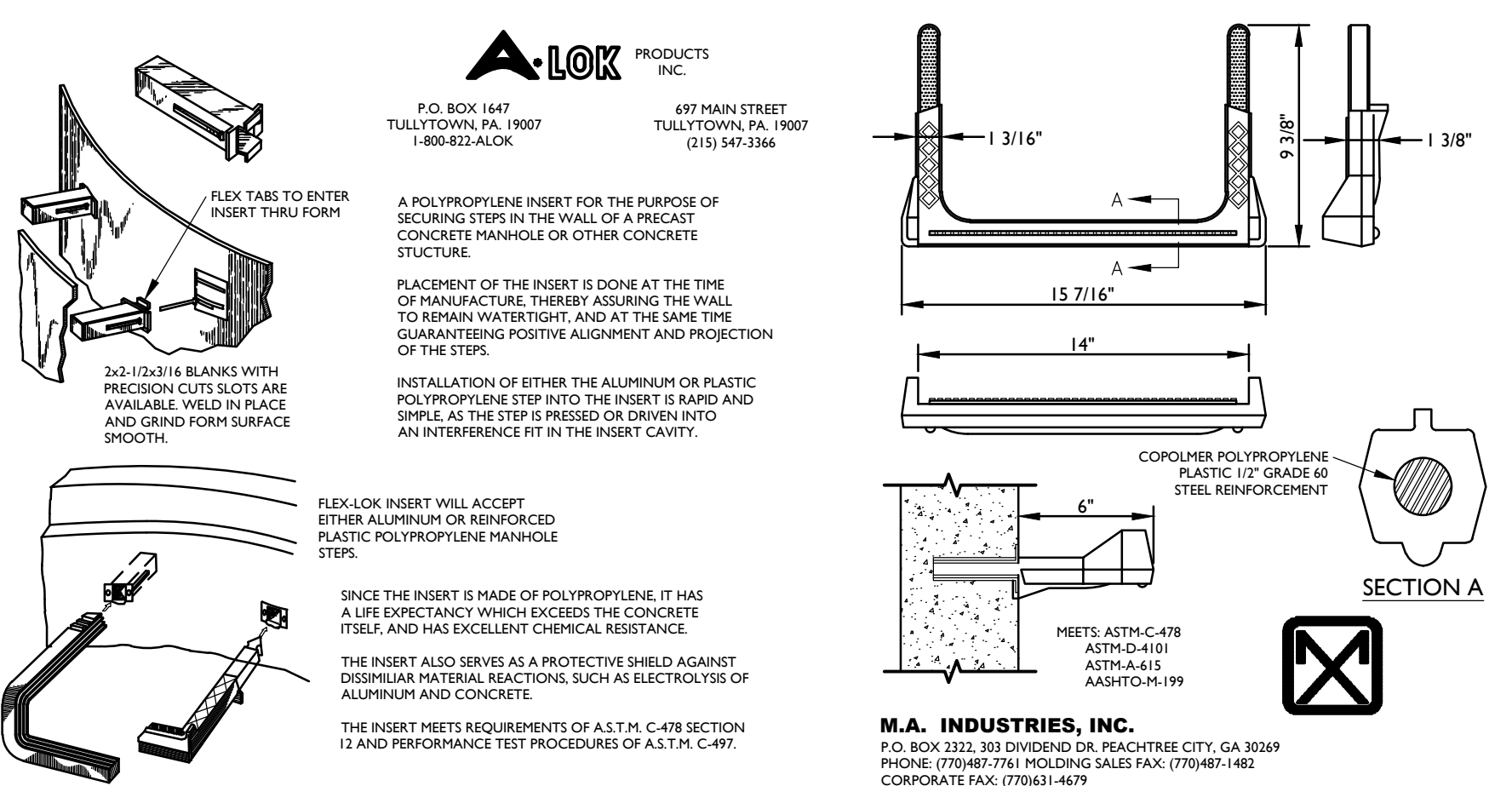
Colliers
Engineering & Design
331 Newnam Springs Road,
Suite 203
Red Bank, NJ 07701
Phone: 732.383.1950
COLLIERS ENGINEERING & DESIGN, INC.
DOING BUSINESS AS MASER CONSULTING

SCALE: AS SHOWN	DATE: 07/2023	DRAWN BY: RM	CHECKED BY: DWB
-----------------	---------------	--------------	-----------------

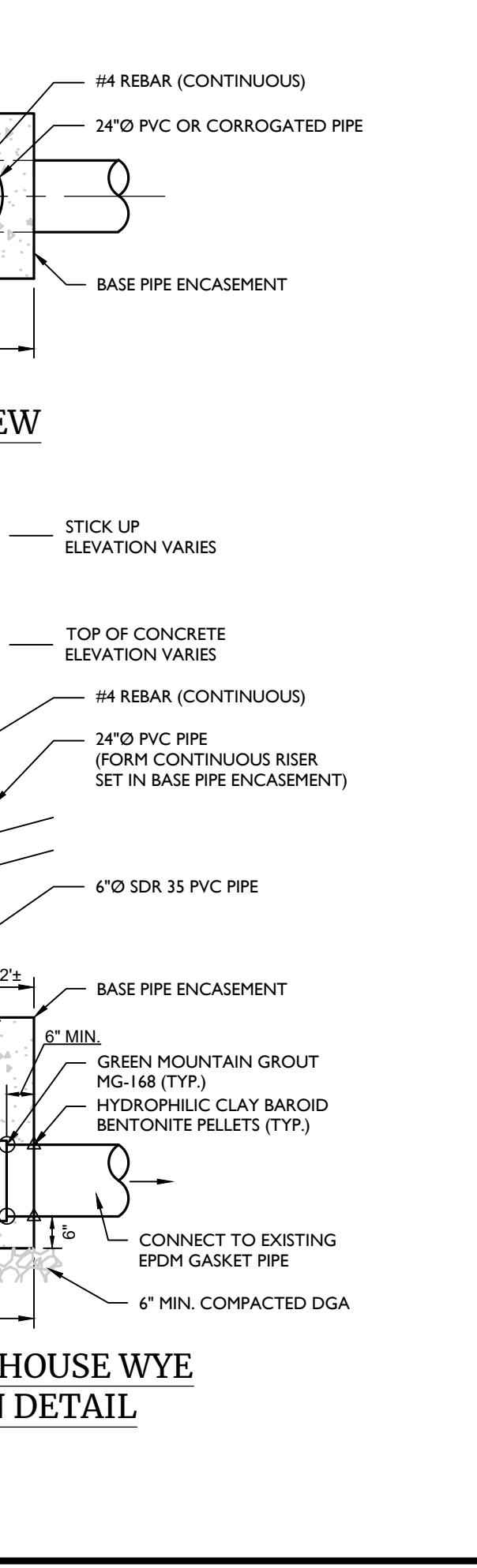
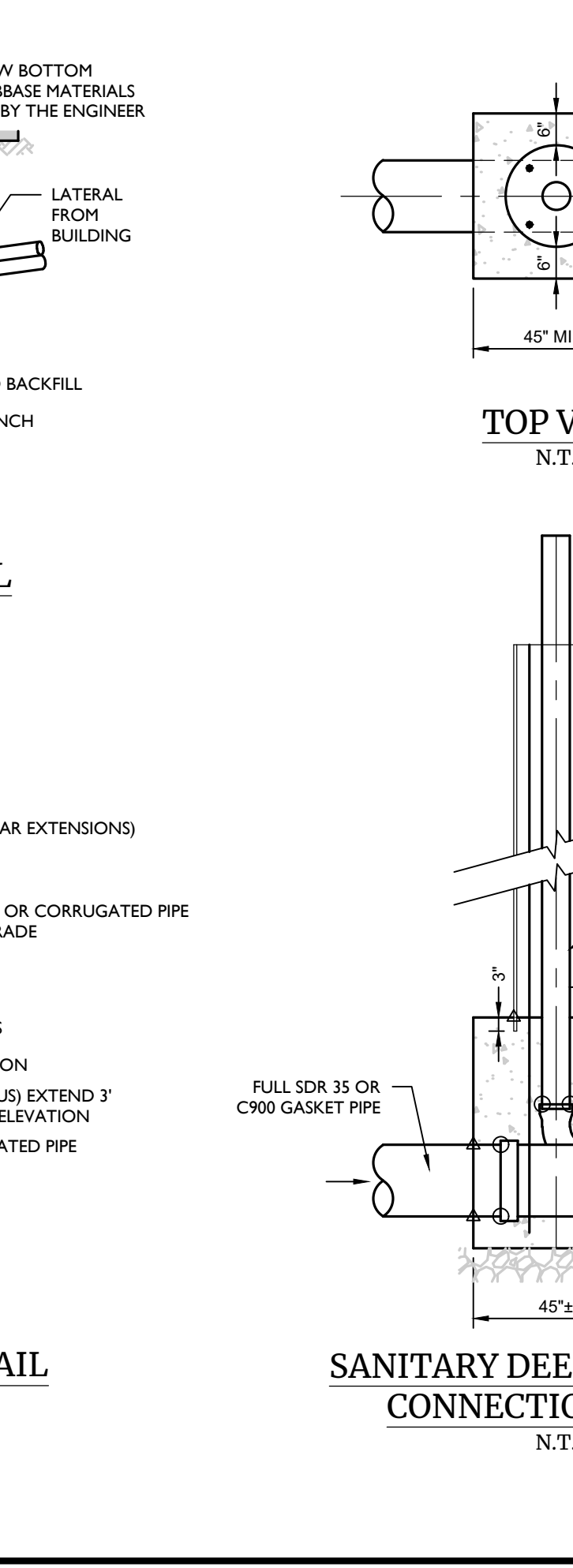
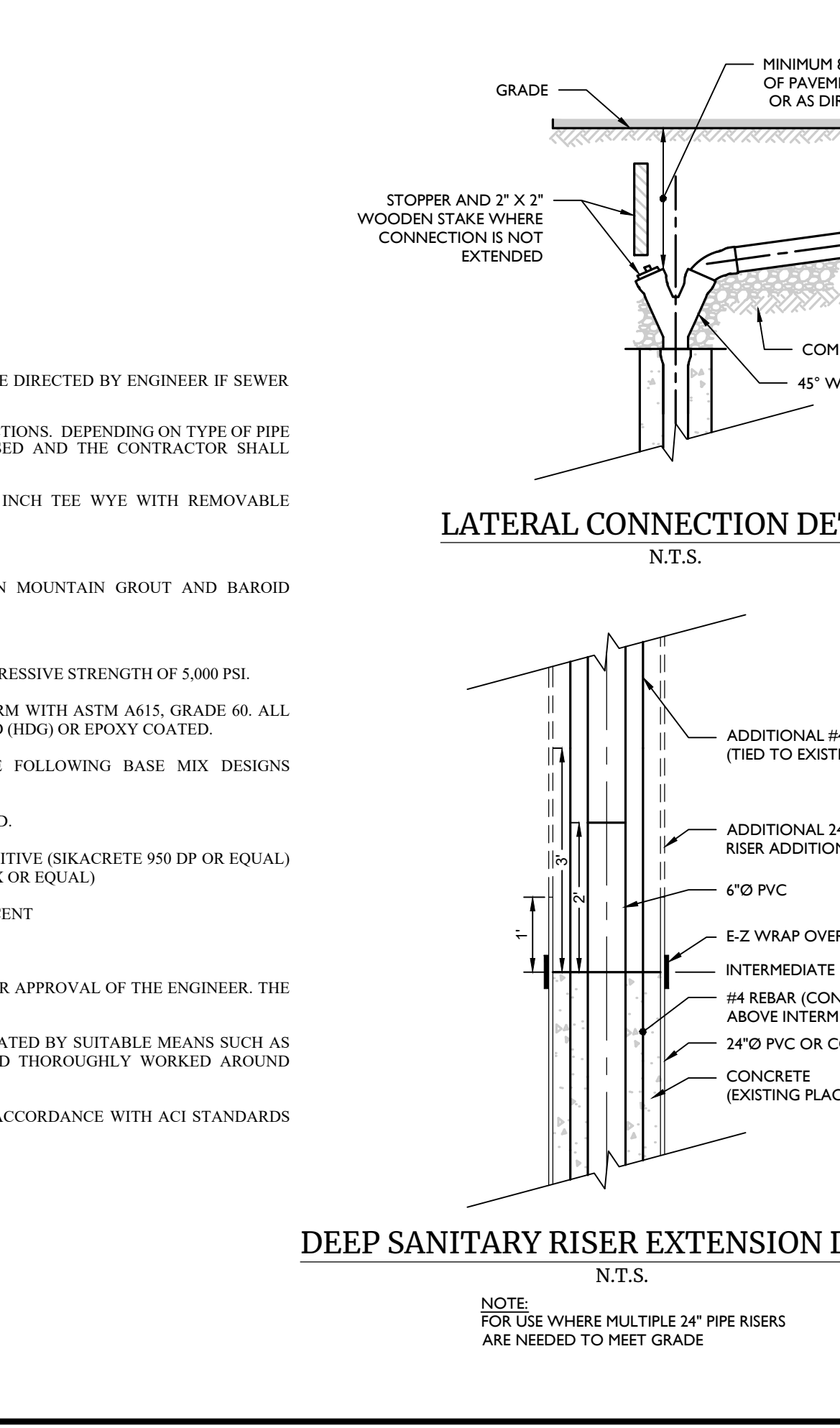
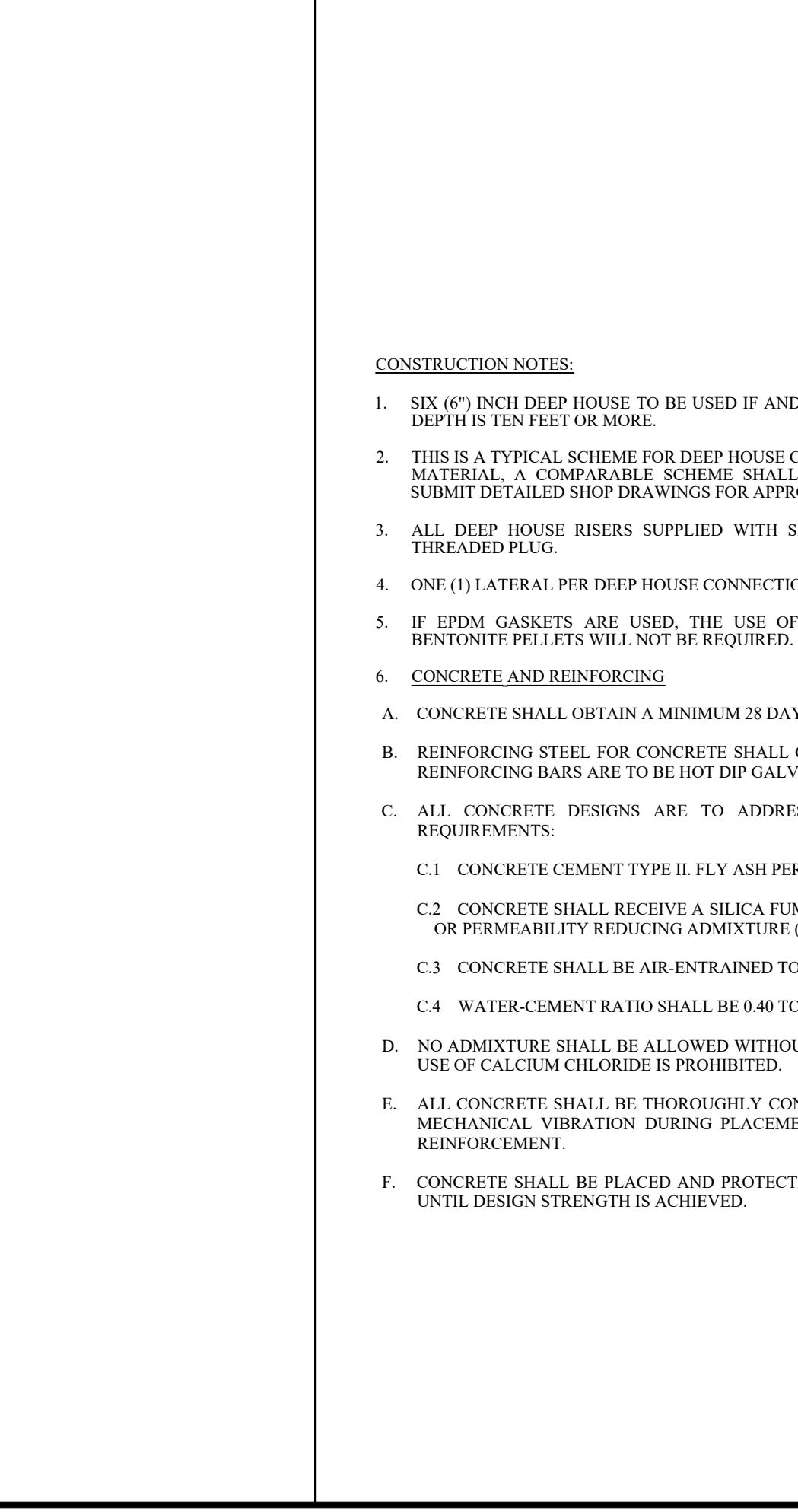
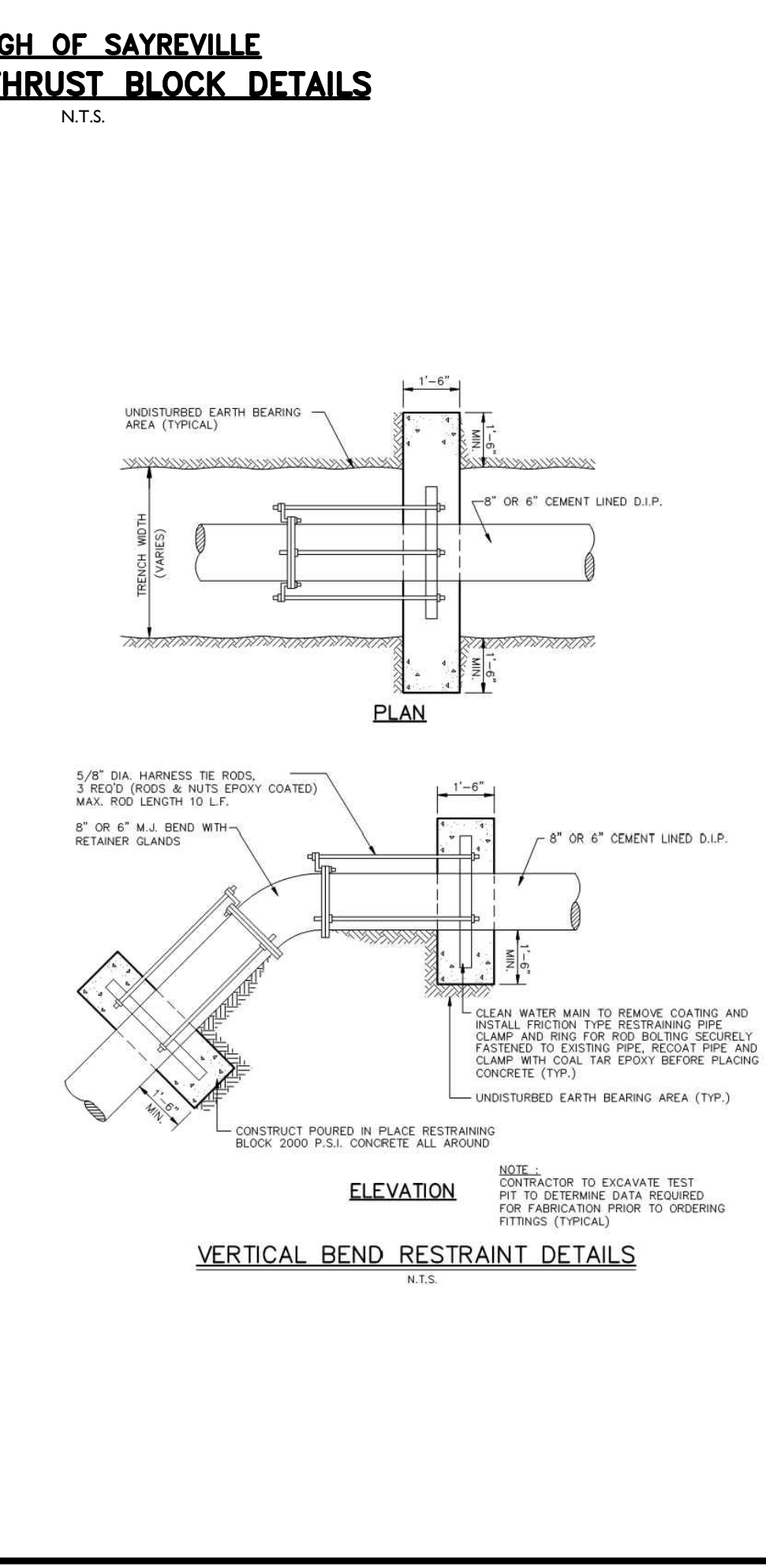
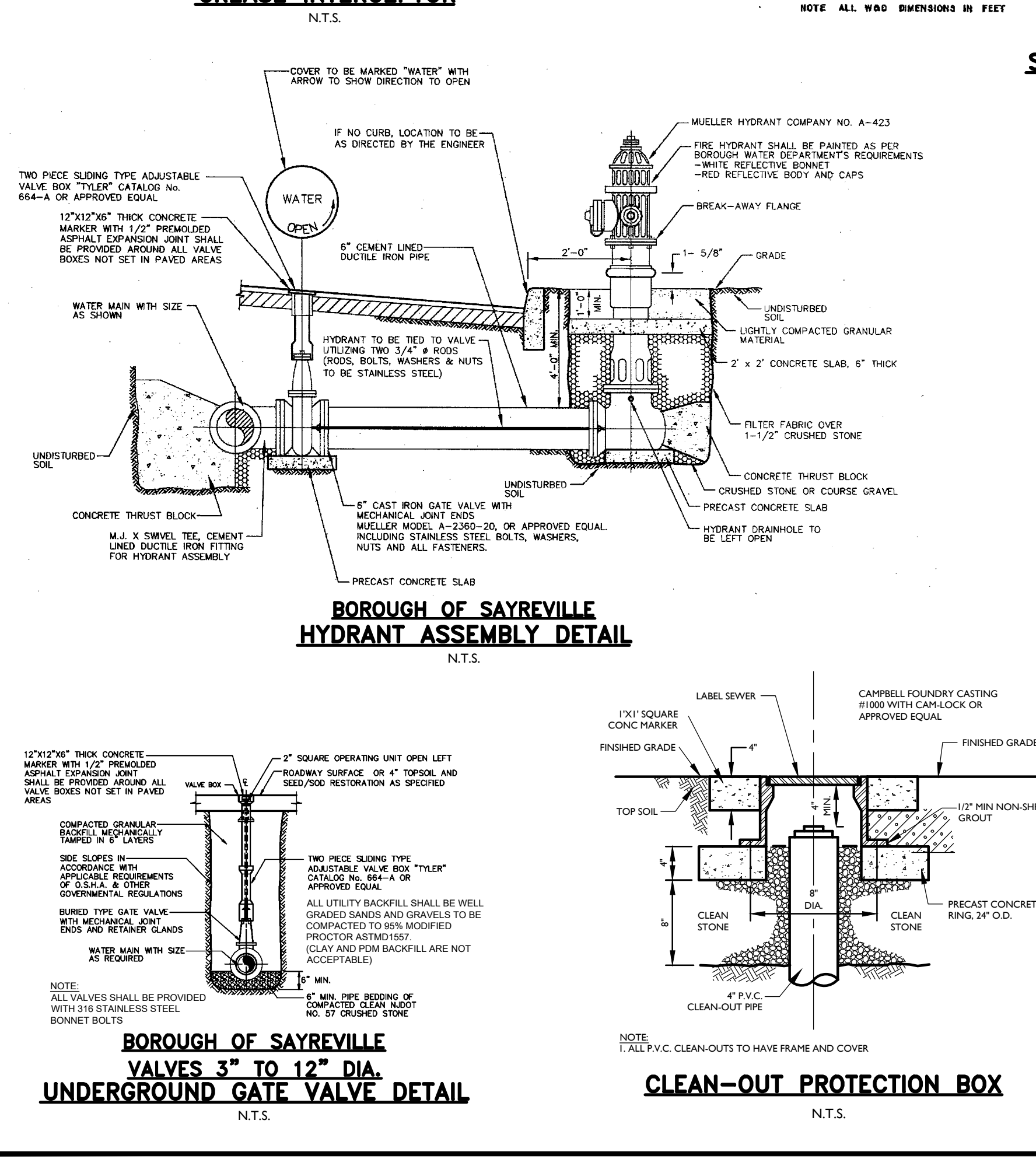
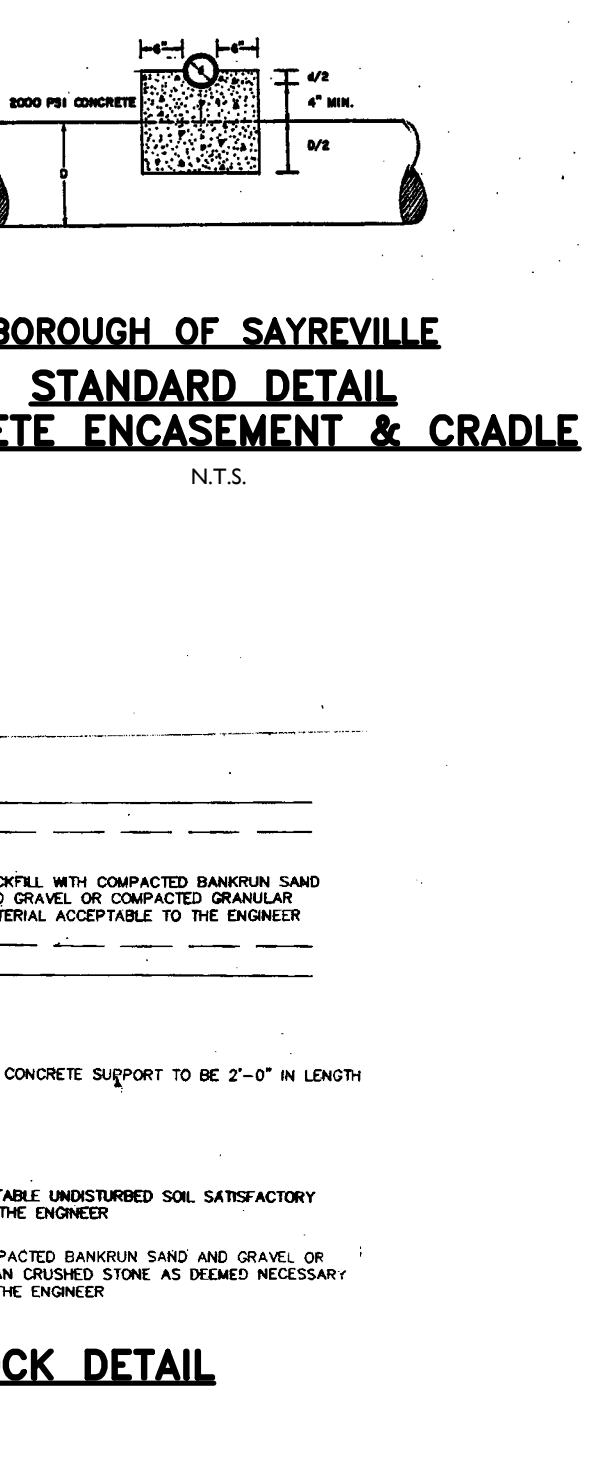
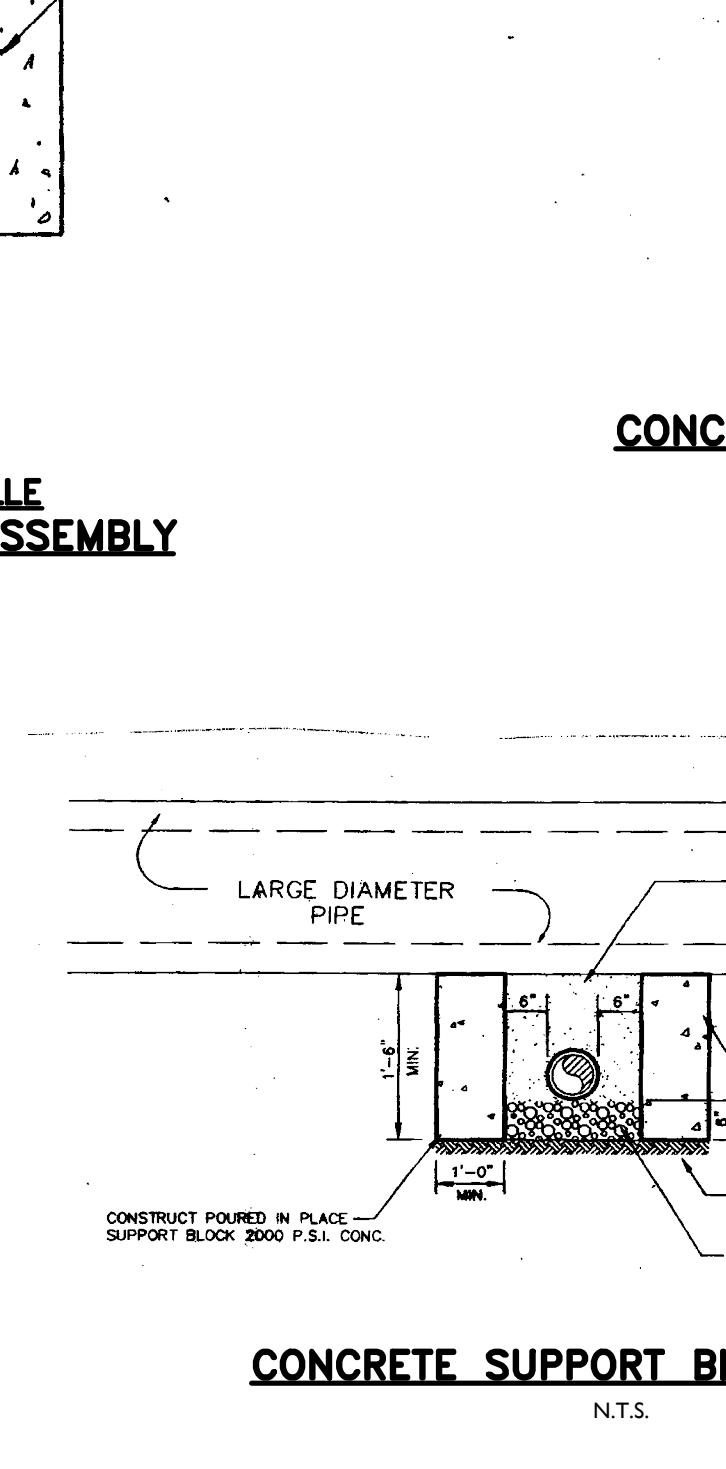
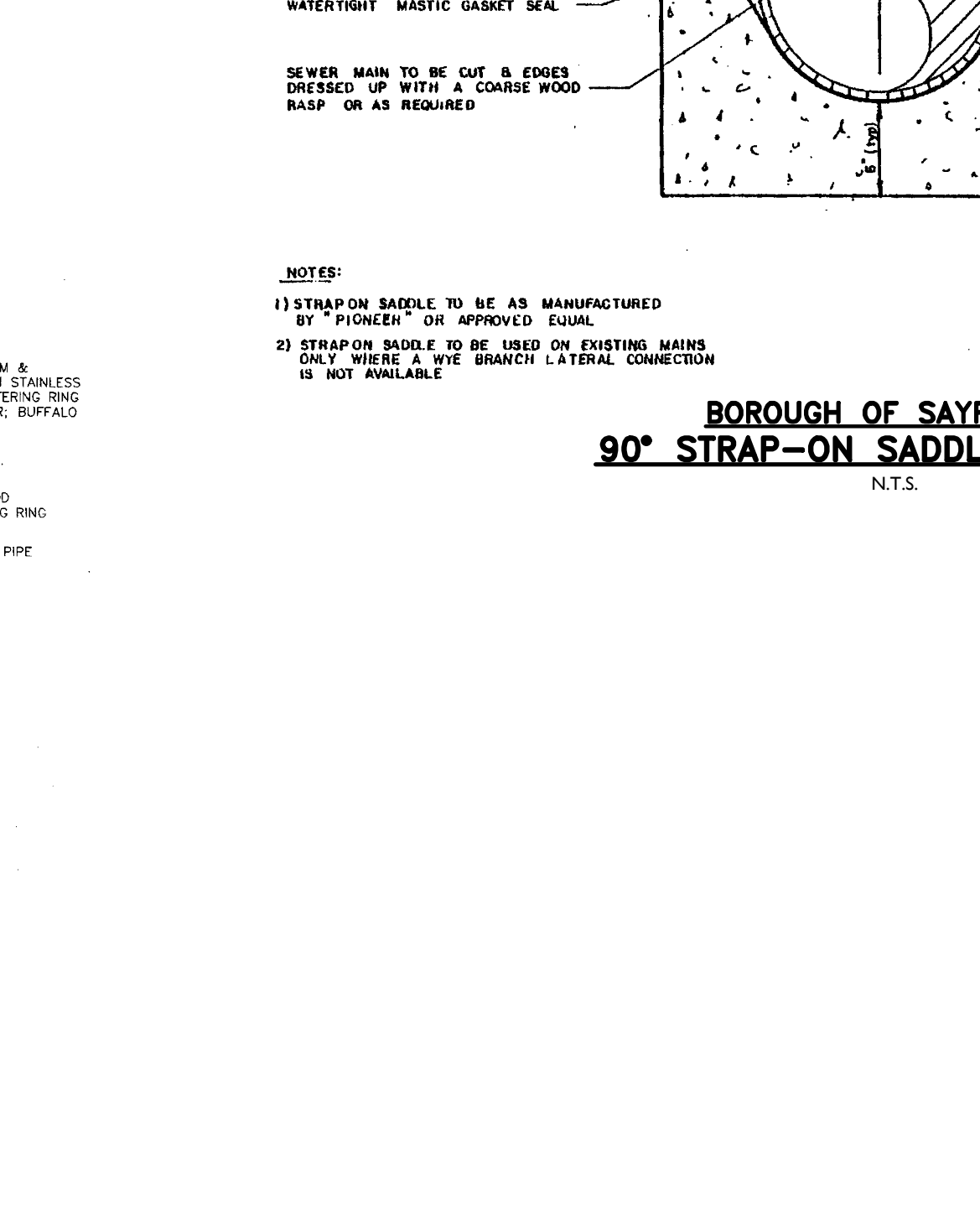
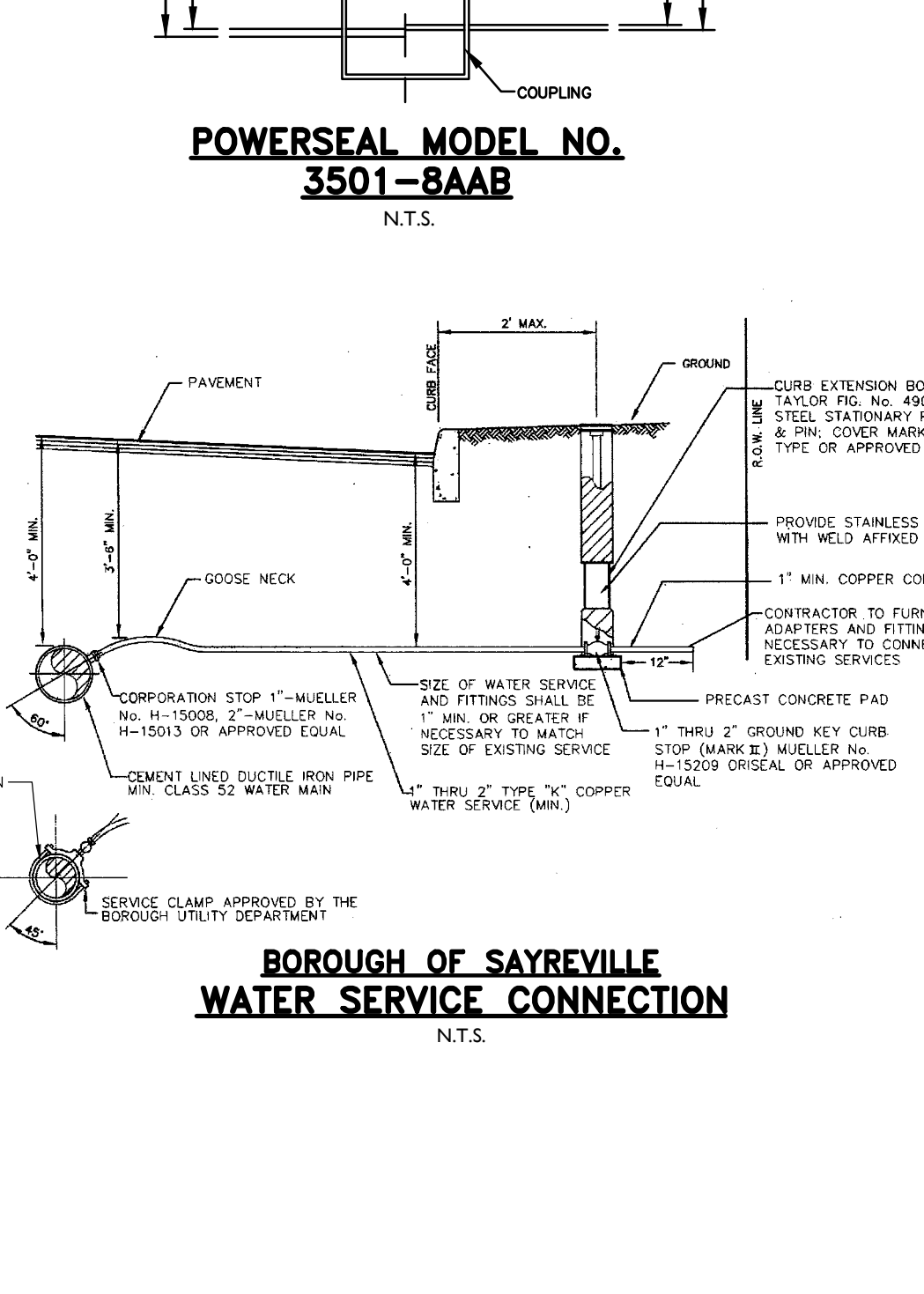
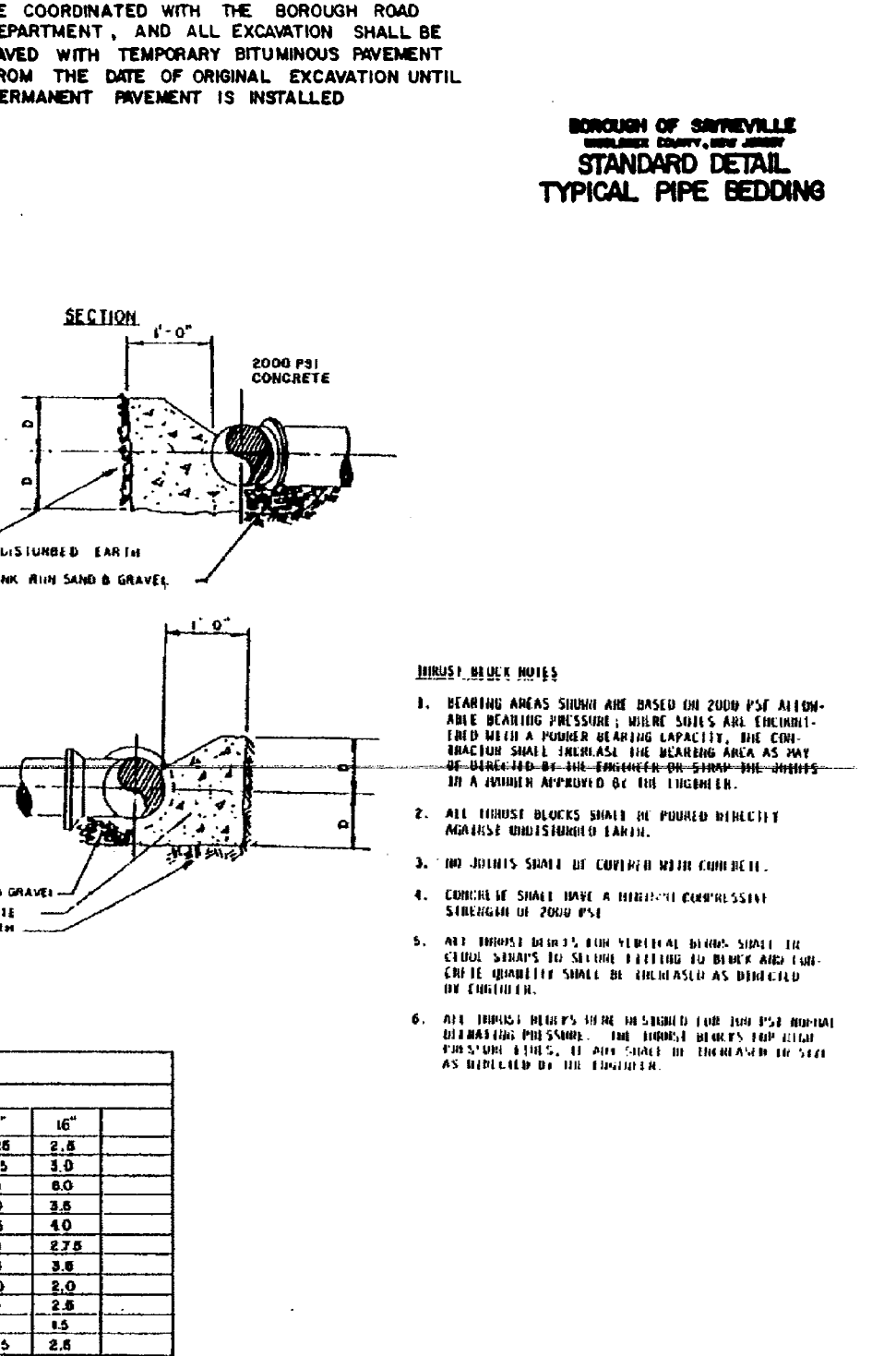
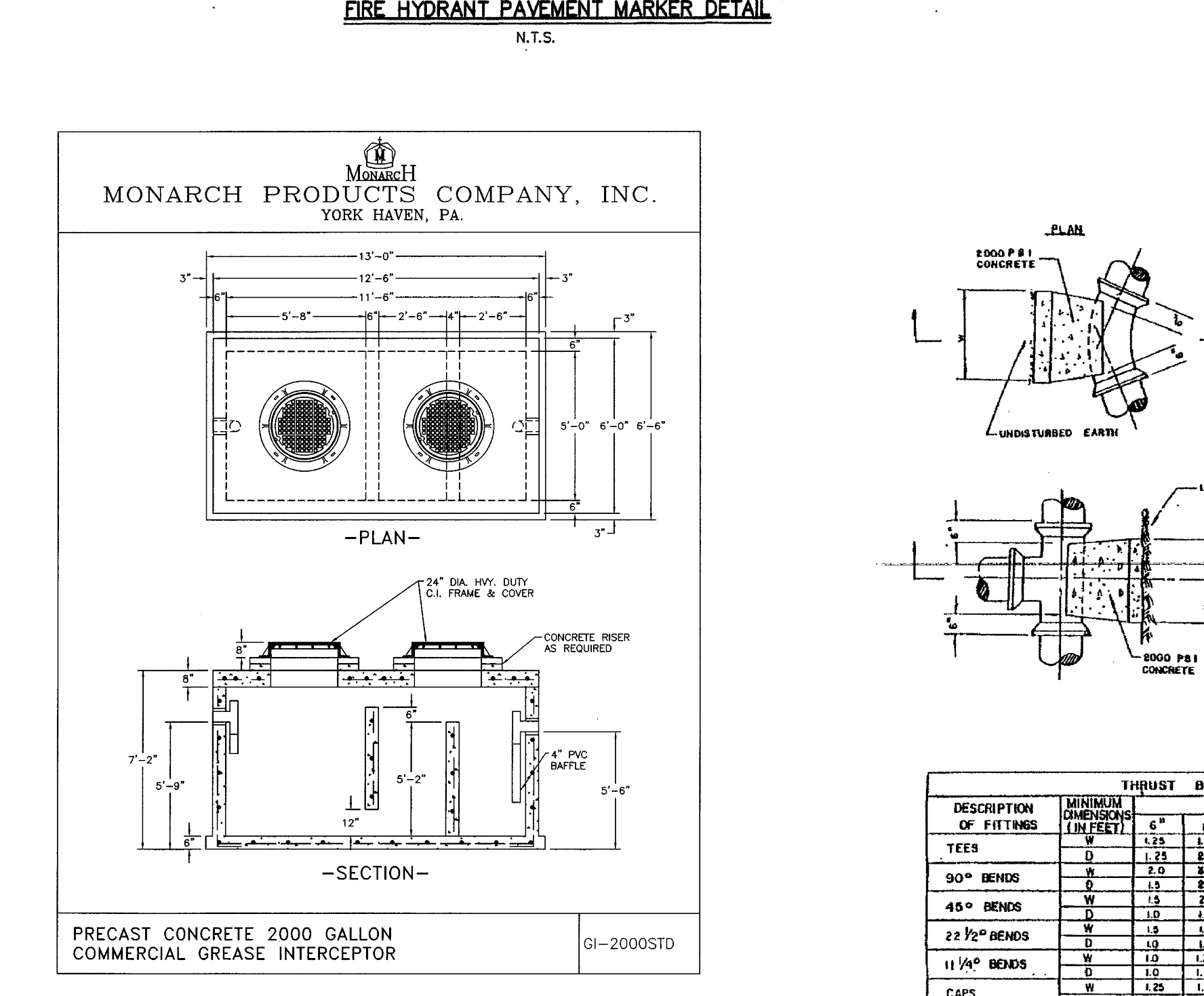
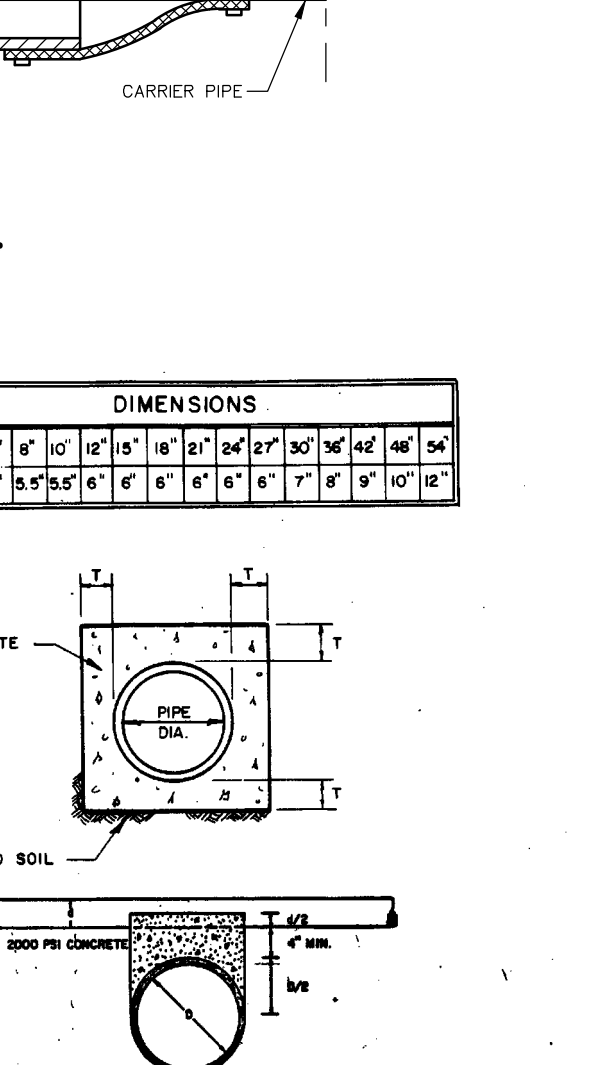
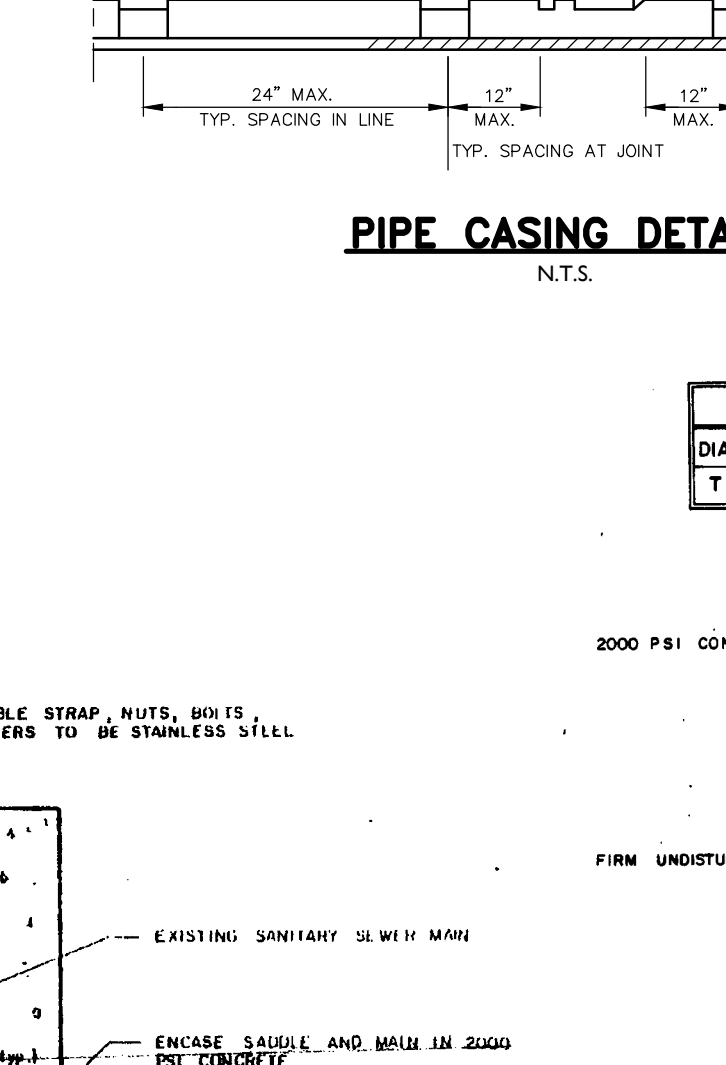
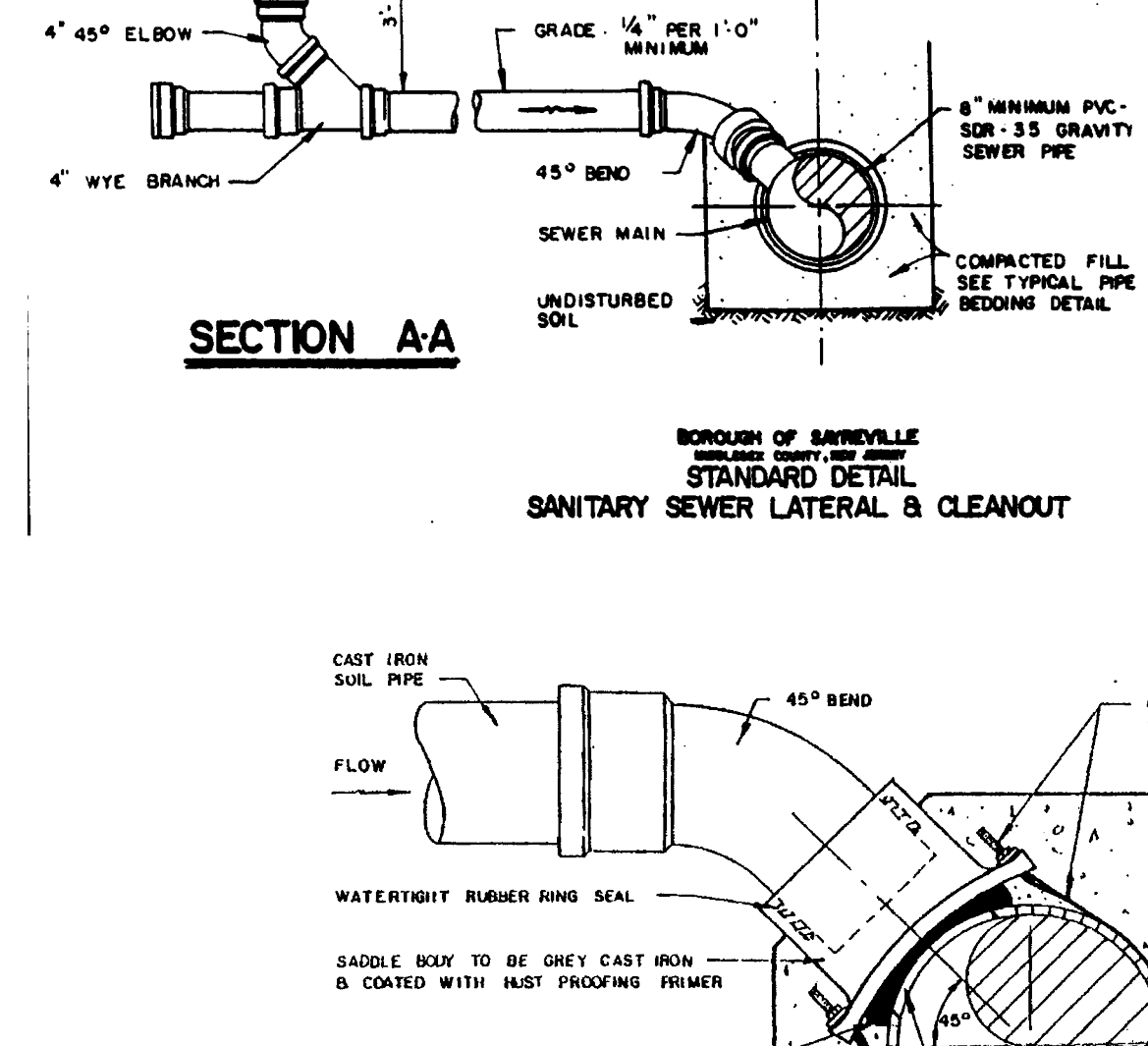
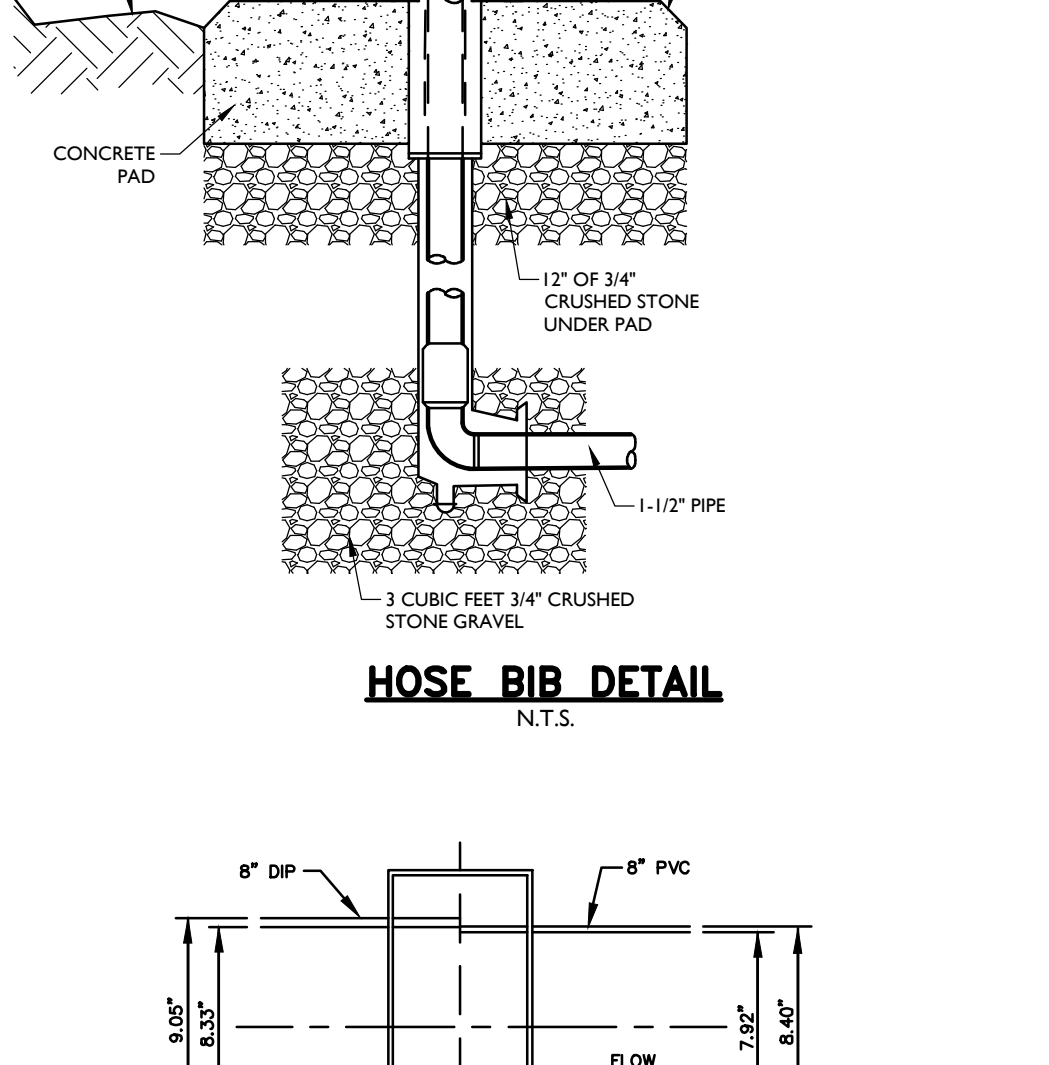
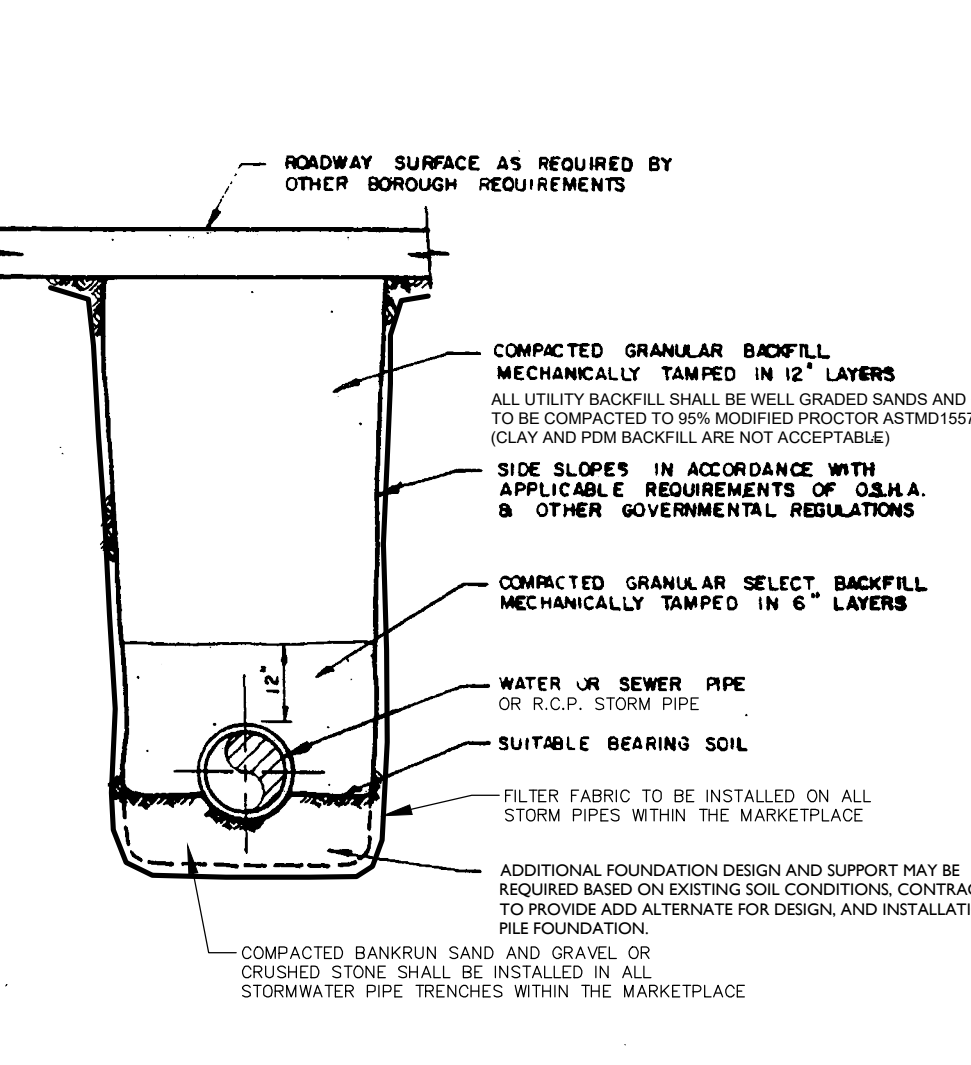
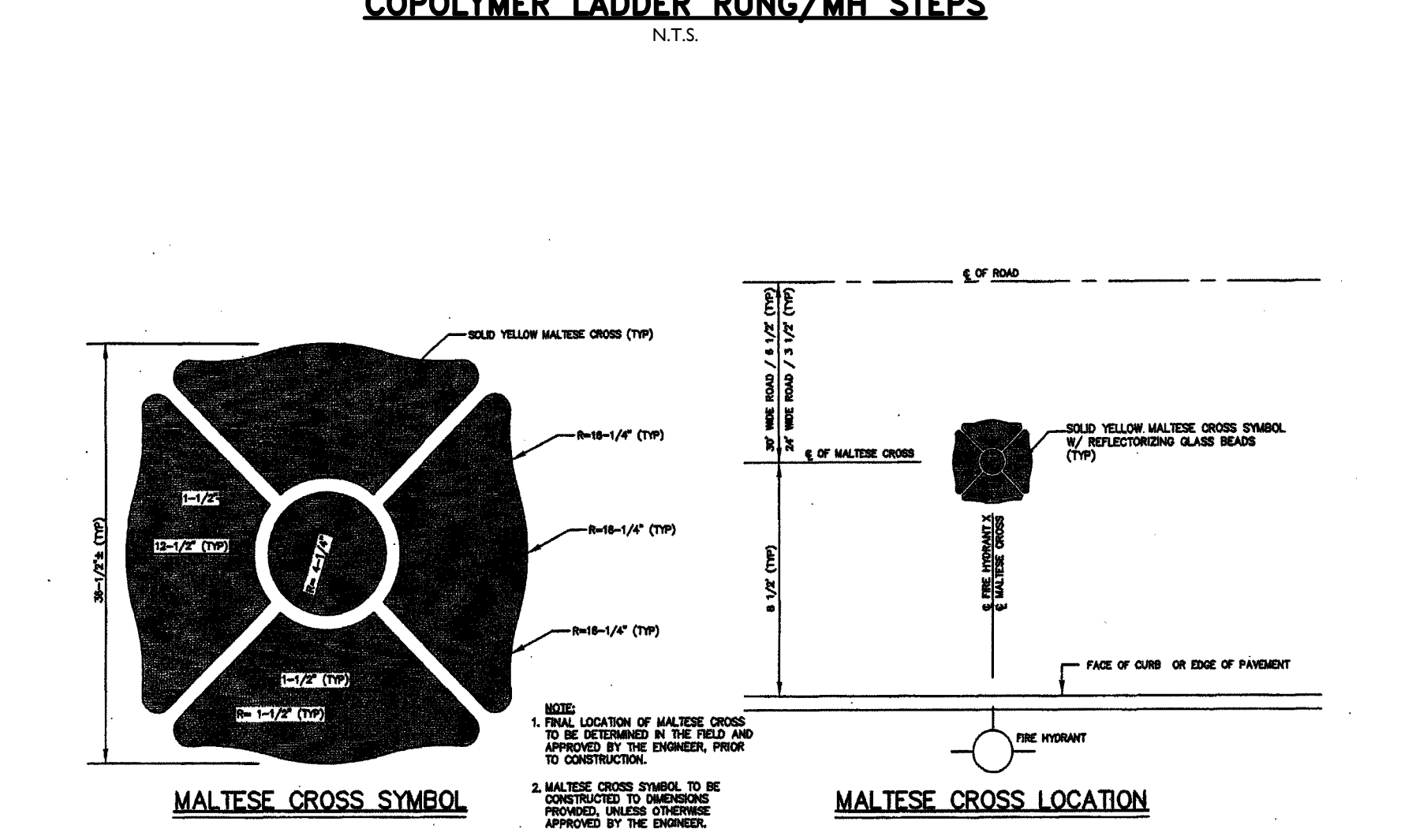
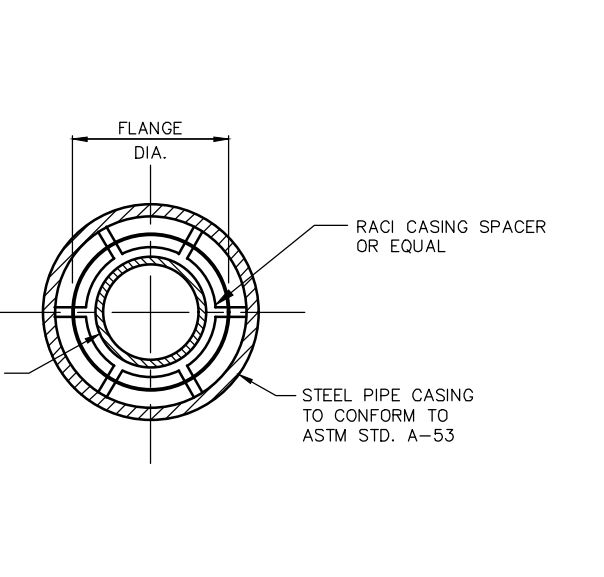
PROJECT NUMBER: 050005009	DRAWING NAME: C-PROF-BASS-PRO-ASP
---------------------------	-----------------------------------

SHEET TITLE: **PROFILES**

SHEET NUMBER: **19 of 26**



CARRIER PIPE SIZE	PIPE CASING		
	NOMINAL DIA.	STEEL WALL THICK.	DUCTILE IRON PIPE CLASS
4"	14"	1/2"	V-C78-64
6"	16"	1/2"	V-C78-64
8"	18"	1/2"	V-C78-64
10"	24"	1/2"	V-C78-64
12"	30"	5/8"	V-C78-64
16"	36"	3/4"	V-C78-64
20"	36"	3/4"	V-C78-64
24"	42"	3/4"	V-C78-64
30"	48"	3/4"	V-C78-64



Colliers Engineering & Design
 www.colliersengineering.com
 Copyright © 2013 Colliers Engineering & Design, Inc. All rights reserved. The drawing and all the information contained herein is a confidential document and shall remain the property of Colliers Engineering & Design, Inc. No part of this drawing may be copied, revised, duplicated, distributed or used upon in any other project without the express written consent of Colliers Engineering & Design.

Doing Business as MASER

811
 Know what's below. Call before you dig. FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

REV.	DATE	DESCRIPTION
1	01/20/2013	ISSUED FOR PERMITS
2	01/20/2013	ISSUED FOR PERMITS
3	01/20/2013	ISSUED FOR PERMITS
4	01/20/2013	ISSUED FOR PERMITS
5	01/20/2013	ISSUED FOR PERMITS
6	01/20/2013	ISSUED FOR PERMITS
7	01/20/2013	ISSUED FOR PERMITS
8	01/20/2013	ISSUED FOR PERMITS
9	01/20/2013	ISSUED FOR PERMITS
10	01/20/2013	ISSUED FOR PERMITS
11	01/20/2013	ISSUED FOR PERMITS
12	01/20/2013	ISSUED FOR PERMITS
13	01/20/2013	ISSUED FOR PERMITS
14	01/20/2013	ISSUED FOR PERMITS
15	01/20/2013	ISSUED FOR PERMITS
16	01/20/2013	ISSUED FOR PERMITS
17	01/20/2013	ISSUED FOR PERMITS
18	01/20/2013	ISSUED FOR PERMITS
19	01/20/2013	ISSUED FOR PERMITS
20	01/20/2013	ISSUED FOR PERMITS
21	01/20/2013	ISSUED FOR PERMITS
22	01/20/2013	ISSUED FOR PERMITS
23	01/20/2013	ISSUED FOR PERMITS
24	01/20/2013	ISSUED FOR PERMITS
25	01/20/2013	ISSUED FOR PERMITS
26	01/20/2013	ISSUED FOR PERMITS
27	01/20/2013	ISSUED FOR PERMITS
28	01/20/2013	ISSUED FOR PERMITS
29	01/20/2013	ISSUED FOR PERMITS
30	01/20/2013	ISSUED FOR PERMITS
31	01/20/2013	ISSUED FOR PERMITS
32	01/20/2013	ISSUED FOR PERMITS
33	01/20/2013	ISSUED FOR PERMITS
34	01/20/2013	ISSUED FOR PERMITS
35	01/20/2013	ISSUED FOR PERMITS
36	01/20/2013	ISSUED FOR PERMITS
37	01/20/2013	ISSUED FOR PERMITS
38	01/20/2013	ISSUED FOR PERMITS
39	01/20/2013	ISSUED FOR PERMITS
40	01/20/2013	ISSUED FOR PERMITS
41	01/20/2013	ISSUED FOR PERMITS
42	01/20/2013	ISSUED FOR PERMITS
43	01/20/2013	ISSUED FOR PERMITS
44	01/20/2013	ISSUED FOR PERMITS
45	01/20/2013	ISSUED FOR PERMITS
46	01/20/2013	ISSUED FOR PERMITS
47	01/20/2013	ISSUED FOR PERMITS
48	01/20/2013	ISSUED FOR PERMITS
49	01/20/2013	ISSUED FOR PERMITS
50	01/20/2013	ISSUED FOR PERMITS
51	01/20/2013	ISSUED FOR PERMITS
52	01/20/2013	ISSUED FOR PERMITS
53	01/20/2013	ISSUED FOR PERMITS
54	01/20/2013	ISSUED FOR PERMITS
55	01/20/2013	ISSUED FOR PERMITS
56	01/20/2013	ISSUED FOR PERMITS
57	01/20/2013	ISSUED FOR PERMITS
58	01/20/2013	ISSUED FOR PERMITS
59	01/20/2013	ISSUED FOR PERMITS
60	01/20/2013	ISSUED FOR PERMITS
61	01/20/2013	ISSUED FOR PERMITS
62	01/20/2013	ISSUED FOR PERMITS
63	01/20/2013	ISSUED FOR PERMITS
64	01/20/2013	ISSUED FOR PERMITS
65	01/20/2013	ISSUED FOR PERMITS
66	01/20/2013	ISSUED FOR PERMITS
67	01/20/2013	ISSUED FOR PERMITS
68	01/20/2013	ISSUED FOR PERMITS
69	01/20/2013	ISSUED FOR PERMITS
70	01/20/2013	ISSUED FOR PERMITS
71	01/20/2013	ISSUED FOR PERMITS
72	01/20/2013	ISSUED FOR PERMITS
73	01/20/2013	ISSUED FOR PERMITS
74	01/20/2013	ISSUED FOR PERMITS
75	01/20/2013	ISSUED FOR PERMITS
76	01/20/2013	ISSUED FOR PERMITS
77	01/20/2013	ISSUED FOR PERMITS
78	01/20/2013	ISSUED FOR PERMITS
79	01/20/2013	ISSUED FOR PERMITS
80	01/20/2013	ISSUED FOR PERMITS
81	01/20/2013	ISSUED FOR PERMITS
82	01/20/2013	ISSUED FOR PERMITS
83	01/20/2013	ISSUED FOR PERMITS
84	01/20/2013	ISSUED FOR PERMITS
85	01/20/2013	ISSUED FOR PERMITS
86	01/20/2013	ISSUED FOR PERMITS
87	01/20/2013	ISSUED FOR PERMITS
88	01/20/2013	ISSUED FOR PERMITS
89	01/20/2013	ISSUED FOR PERMITS
90	01/20/2013	ISSUED FOR PERMITS
91	01/20/2013	ISSUED FOR PERMITS
92	01/20/2013	ISSUED FOR PERMITS
93	01/20/2013	ISSUED FOR PERMITS
94	01/20/2013	ISSUED FOR PERMITS
95	01/20/2013	ISSUED FOR PERMITS
96	01/20/2013	ISSUED FOR PERMITS
97	01/20/2013	ISSUED FOR PERMITS
98	01/20/2013	ISSUED FOR PERMITS
99	01/20/2013	ISSUED FOR PERMITS
100	01/20/2013	ISSUED FOR PERMITS

Daniel W. Busch
 NEW JERSEY LICENSED PROFESSIONAL ENGINEER
 LICENSE NUMBER: GE42093
 COLLIER ENGINEERING & DESIGN, INC.
 N.J. C.O.A.#: 2642799650

PHASE 1A BASS PRO BUILDING SITE

FOR SAYREVILLE SEAPORT ASSOCIATES

BLOCK 257.02 LOT 7

BOROUGH OF SAYREVILLE MIDDLESEX COUNTY NEW JERSEY

HOLMDEL (Headquarters)
 537 NEWTON SPRING FORD, Suite 203
 Red Bank, NJ 07071
 Phone: 732.983.1950
 COLLIER ENGINEERING & DESIGN, INC. (DOING BUSINESS AS MASER CONSULTING)

Colliers Engineering & Design

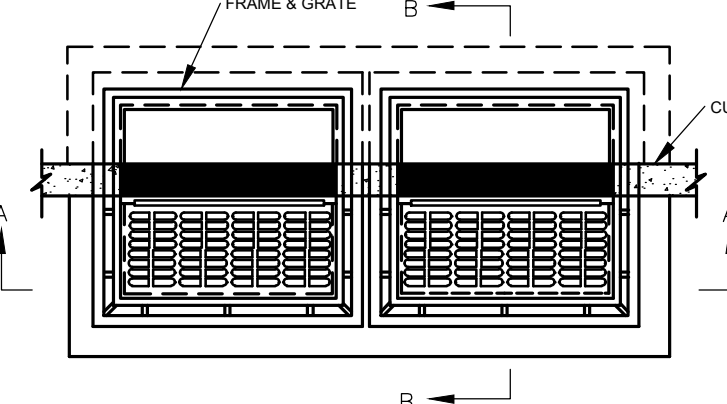
SCALE: AS SHOWN DATE: 01/23/2013 DRAWN BY: RM CHECKED BY: DWB
 PROJECT NUMBER: 050005001 DRAWING NAME: C-UTLS-BASS-PRO-ASP
 SHEET NUMBER: C-UTLS-BASS-PRO-ASP

CONSTRUCTION DETAILS

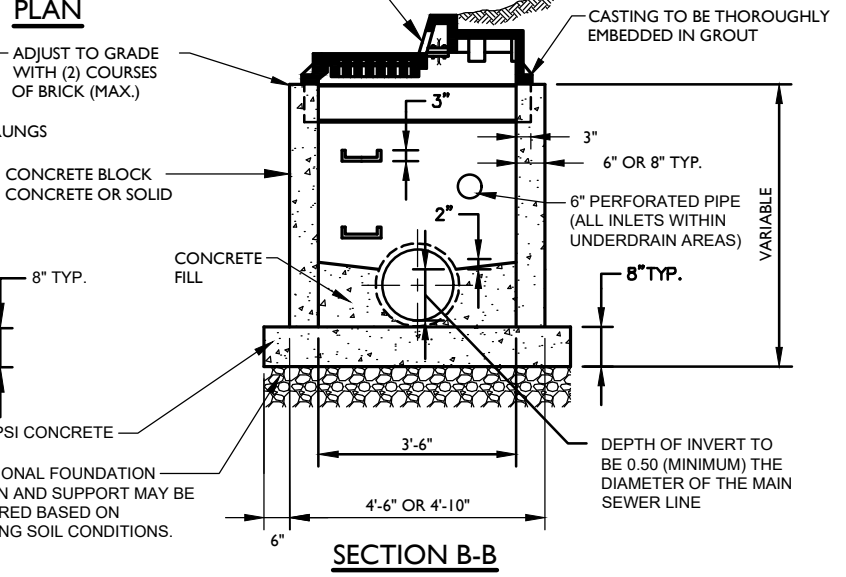
20 of 26

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

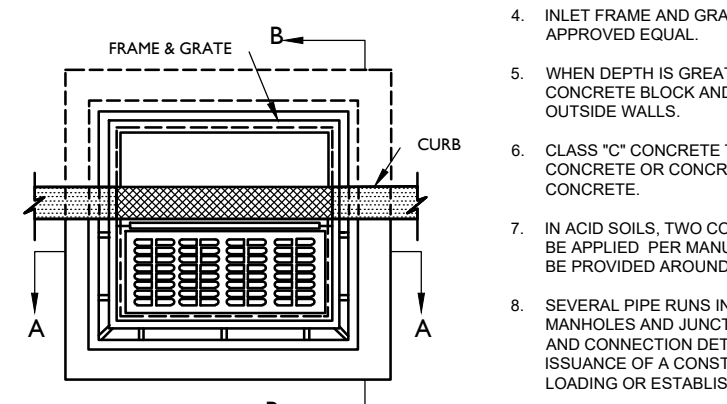
- NOTES**
- INVERTS TO BE ELIMINATED IN BOTTOM OF TERMINAL INLETS, BOTTOMS SHALL BE DISHED AND SLOPED TOWARDS THE OUTLET PIPE AT A RATE OF GRADE OF 2 INCHES PER FOOT.
 - INLETS MAY BE CONSTRUCTED OF CONCRETE OR CONCRETE BLOCK. IF CONCRETE BLOCK IS USED, THE BOTTOM SHALL BE AS SHOWN FOR CONCRETE. & THE OUTSIDE OF THE WALLS SHALL BE PLASTERED WITH 1/2" COAT OF 1/2" CEMENT SAND MORTAR. THE INSIDE WALLS JOINTS SHALL BE STRUCK & POINTED.
 - PROVIDE 1/2" DIA. X 7' X 1/2" ALUMINUM LADDER RUNGS, 1/2" O.C. OR COPOLYMER POLYPROPYLENE PLASTIC STEPS WITH 1/2" DIA. GRADE 60 STEEL REIN. MA. INDUSTRIES P20/P OR P20/B WITH PRECAST PRESS FIT INSERTS, 1/2" O.C.
 - INLET FRAME AND GRATES TO BE CAMPBELL FOUNDRY PATTERN NO. 3425 OR APPROVED EQUAL.
 - WHEN DEPTH IS GREATER THAN 12" THE WALLS SHOULD BE EITHER 8" SOLID CONCRETE BLOCK AND THE FOOTING SHALL BE EXTENDED TO 12" BEYOND THE OUTSIDE WALLS.
 - CLASS "C" CONCRETE TO BE USED IF CONSTRUCTED OF CAST IN PLACE CONCRETE OR CONCRETE OR CONCRETE BLOCK AND CLASS "B" CONCRETE TO BE USED IF PRECAST CONCRETE.
 - IN ACID SOILS, TWO COATS OF FACTORY APPLIED BITUMASTIC WATER PROOFING SHALL BE APPLIED PER MANUFACTURER'S SPECIFICATION. A FIELD "PATCH" TREATMENT SHALL BE PROVIDED AROUND PIPE PENETRATIONS.
 - SEVERAL PIPE RUNS INCLUDE LARGER PIPES WHICH REQUIRE CUSTOM INLETS, MANHOLES AND JUNCTIONS. DETAILED SHOP DRAWINGS INCLUDING REINFORCEMENT AND CONNECTION DETAILS SHALL BE PROVIDED FOR REVIEW AND APPROVAL PRIOR TO ISSUANCE OF A CONSTRUCTION PERMIT. ALL STRUCTURES REQUIRED TO MEET HL-90 LOADING OR ESTABLISHED CONSTRUCTION LOADS.
 - ALL INLETS WITH UNDERDRAIN AREAS TO HAVE 6" PERFORATED PIPE STUBS IN LINEAR FEET AT EACH WALL WITH A STORM PIPE. PERFORATED PIPE TO BE WRAPPED WITH FILTER FABRIC AND LOCATED WITHIN THE PIPE TRENCH GRANULAR BACKFILL LAYER.
 - CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL STRUCTURES.



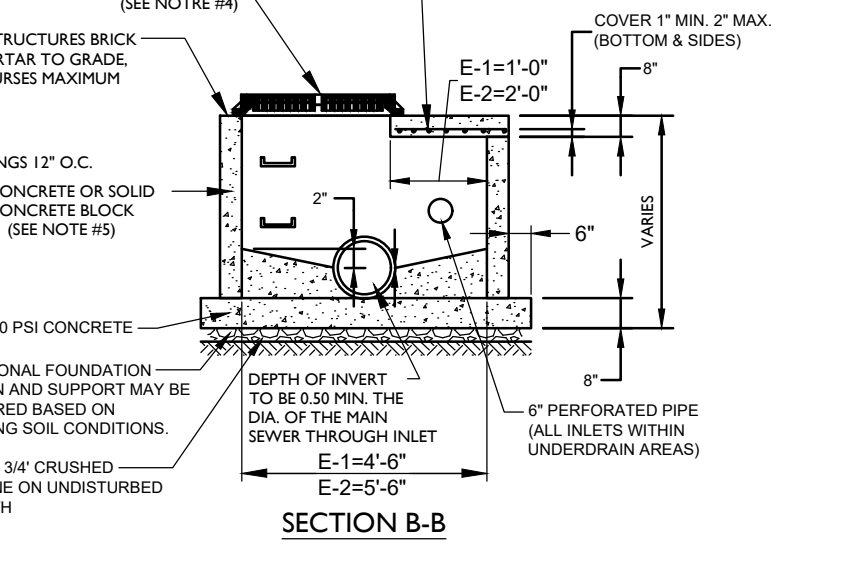
TYPE "DOUBLE B" INLET
N.T.S.



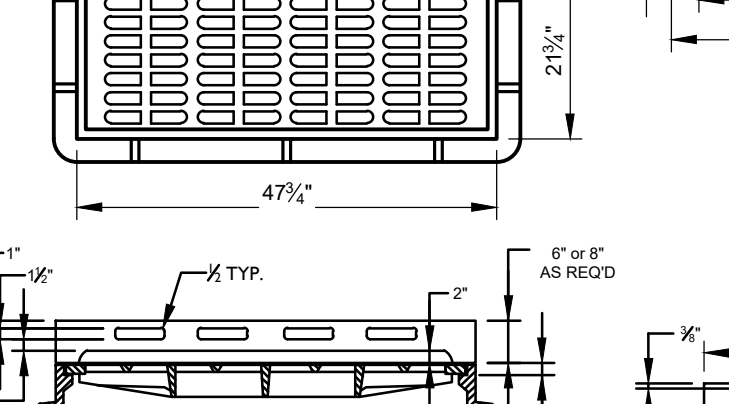
- NOTES**
- INVERTS TO BE ELIMINATED IN BOTTOM OF TERMINAL INLETS, BOTTOMS SHALL BE DISHED AND SLOPED TOWARDS THE OUTLET PIPE AT A RATE OF GRADE OF 2 INCHES PER FOOT.
 - INLETS MAY BE CONSTRUCTED OF CONCRETE OR CONCRETE BLOCK. IF CONCRETE BLOCK IS USED, THE BOTTOM SHALL BE AS SHOWN FOR CONCRETE. & THE OUTSIDE OF THE WALLS SHALL BE PLASTERED WITH 1/2" COAT OF 1/2" CEMENT SAND MORTAR. THE INSIDE WALLS JOINTS SHALL BE STRUCK & POINTED.
 - PROVIDE 1/2" DIA. X 7' X 1/2" ALUMINUM LADDER RUNGS, 1/2" O.C. OR COPOLYMER POLYPROPYLENE PLASTIC STEPS WITH 1/2" DIA. GRADE 60 STEEL REIN. MA. INDUSTRIES P20/P OR P20/B WITH PRECAST PRESS FIT INSERTS, 1/2" O.C.
 - INLET FRAME AND GRATES TO BE CAMPBELL FOUNDRY PATTERN NO. 3425 OR APPROVED EQUAL.
 - WHEN DEPTH IS GREATER THAN 12" THE WALLS SHOULD BE EITHER 8" SOLID CONCRETE BLOCK AND THE FOOTING SHALL BE EXTENDED TO 12" BEYOND THE OUTSIDE WALLS.
 - CLASS "C" CONCRETE TO BE USED IF CONSTRUCTED OF CAST IN PLACE CONCRETE OR CONCRETE OR CONCRETE BLOCK AND CLASS "B" CONCRETE TO BE USED IF PRECAST CONCRETE.
 - IN ACID SOILS, TWO COATS OF FACTORY APPLIED BITUMASTIC WATER PROOFING SHALL BE APPLIED PER MANUFACTURER'S SPECIFICATION. A FIELD "PATCH" TREATMENT SHALL BE PROVIDED AROUND PIPE PENETRATIONS.
 - SEVERAL PIPE RUNS INCLUDE LARGER PIPES WHICH REQUIRE CUSTOM INLETS, MANHOLES AND JUNCTIONS. DETAILED SHOP DRAWINGS INCLUDING REINFORCEMENT AND CONNECTION DETAILS SHALL BE PROVIDED FOR REVIEW AND APPROVAL PRIOR TO ISSUANCE OF A CONSTRUCTION PERMIT. ALL STRUCTURES REQUIRED TO MEET HL-90 LOADING OR ESTABLISHED CONSTRUCTION LOADS.
 - ALL INLETS WITH UNDERDRAIN AREAS TO HAVE 6" PERFORATED PIPE STUBS IN LINEAR FEET AT EACH WALL WITH A STORM PIPE. PERFORATED PIPE TO BE WRAPPED WITH FILTER FABRIC AND LOCATED WITHIN THE PIPE TRENCH GRANULAR BACKFILL LAYER.
 - CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL STRUCTURES.



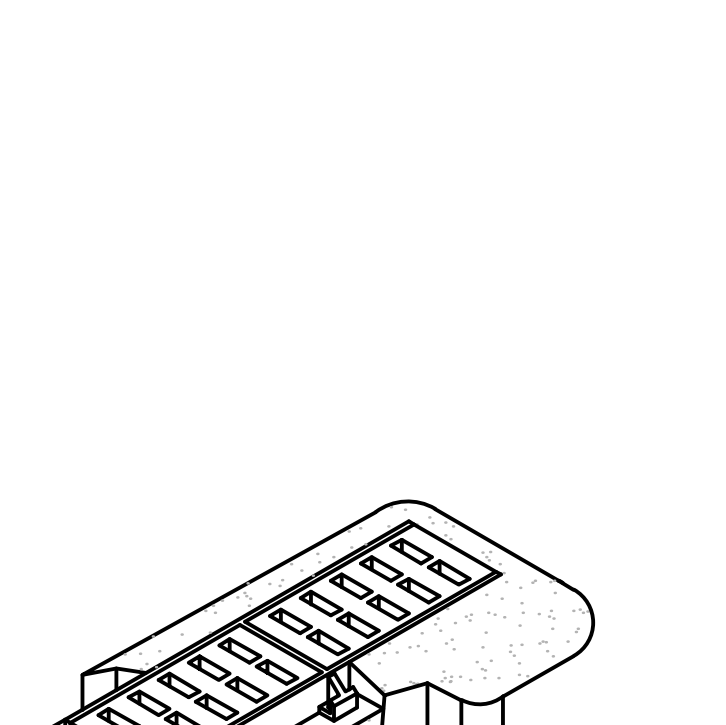
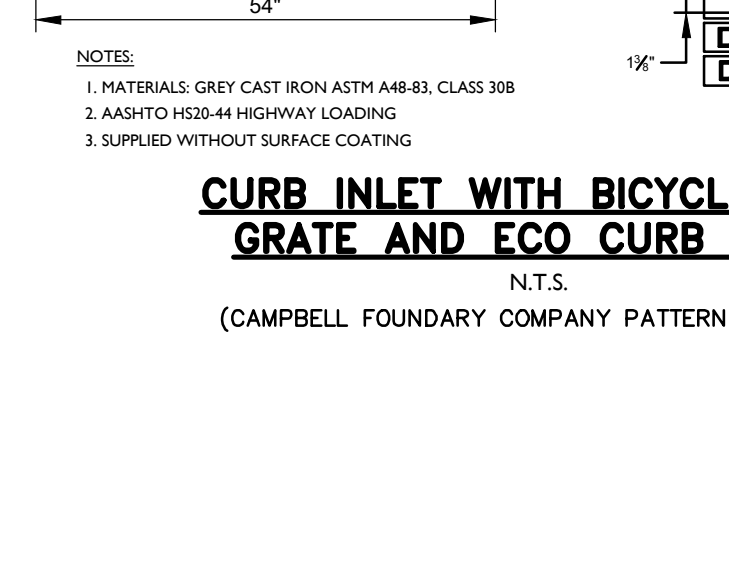
MODIFIED INLET TYPE "E-1" & "E-2"
N.T.S.



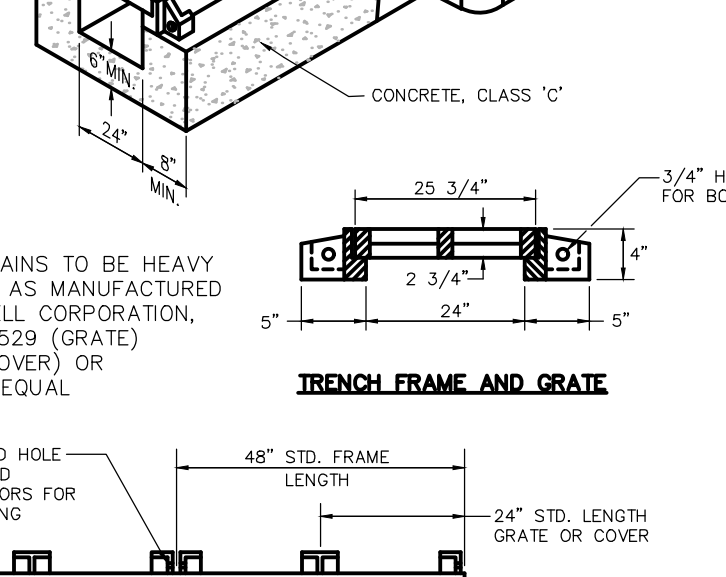
- NOTES**
- INVERTS TO BE ELIMINATED IN BOTTOM OF TERMINAL INLETS, BOTTOMS SHALL BE DISHED AND SLOPED TOWARDS THE OUTLET PIPE AT A RATE OF GRADE OF 2 INCHES PER FOOT.
 - INLETS MAY BE CONSTRUCTED OF CONCRETE OR CONCRETE BLOCK. IF CONCRETE BLOCK IS USED, THE BOTTOM SHALL BE AS SHOWN FOR CONCRETE. & THE OUTSIDE OF THE WALLS SHALL BE PLASTERED WITH 1/2" COAT OF 1/2" CEMENT SAND MORTAR. THE INSIDE WALLS JOINTS SHALL BE STRUCK & POINTED.
 - PROVIDE 1/2" DIA. X 7' X 1/2" ALUMINUM LADDER RUNGS, 1/2" O.C. OR COPOLYMER POLYPROPYLENE PLASTIC STEPS WITH 1/2" DIA. GRADE 60 STEEL REIN. MA. INDUSTRIES P20/P OR P20/B WITH PRECAST PRESS FIT INSERTS, 1/2" O.C.
 - INLET FRAME AND GRATES TO BE CAMPBELL FOUNDRY PATTERN NO. 3425 OR APPROVED EQUAL.
 - WHEN DEPTH IS GREATER THAN 12" THE WALLS SHOULD BE EITHER 8" SOLID CONCRETE BLOCK AND THE FOOTING SHALL BE EXTENDED TO 12" BEYOND THE OUTSIDE WALLS.
 - CLASS "C" CONCRETE TO BE USED IF CONSTRUCTED OF CAST IN PLACE CONCRETE OR CONCRETE OR CONCRETE BLOCK AND CLASS "B" CONCRETE TO BE USED IF PRECAST CONCRETE.
 - IN ACID SOILS, TWO COATS OF FACTORY APPLIED BITUMASTIC WATER PROOFING SHALL BE APPLIED PER MANUFACTURER'S SPECIFICATION. A FIELD "PATCH" TREATMENT SHALL BE PROVIDED AROUND PIPE PENETRATIONS.
 - SEVERAL PIPE RUNS INCLUDE LARGER PIPES WHICH REQUIRE CUSTOM INLETS, MANHOLES AND JUNCTIONS. DETAILED SHOP DRAWINGS INCLUDING REINFORCEMENT AND CONNECTION DETAILS SHALL BE PROVIDED FOR REVIEW AND APPROVAL PRIOR TO ISSUANCE OF A CONSTRUCTION PERMIT. ALL STRUCTURES REQUIRED TO MEET HL-90 LOADING OR ESTABLISHED CONSTRUCTION LOADS.
 - ALL INLETS WITH UNDERDRAIN AREAS TO HAVE 6" PERFORATED PIPE STUBS IN LINEAR FEET AT EACH WALL WITH A STORM PIPE. PERFORATED PIPE TO BE WRAPPED WITH FILTER FABRIC AND LOCATED WITHIN THE PIPE TRENCH GRANULAR BACKFILL LAYER.
 - CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL STRUCTURES.



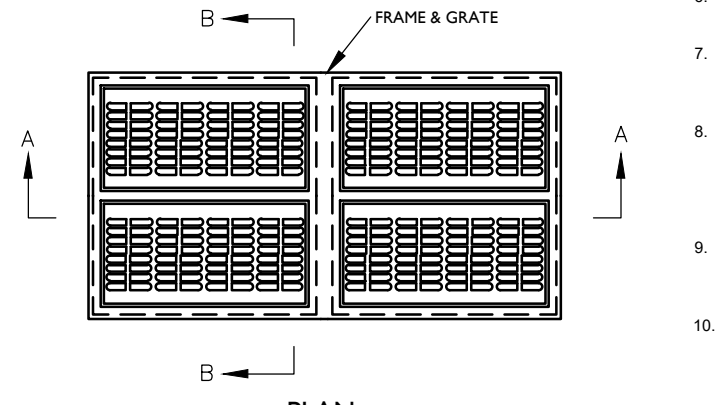
CURB INLET WITH BICYCLE SAFE GRATE AND ECO CURB PIECE
N.T.S.
(CAMPBELL FOUNDRY COMPANY PATTERN NO. 2618)



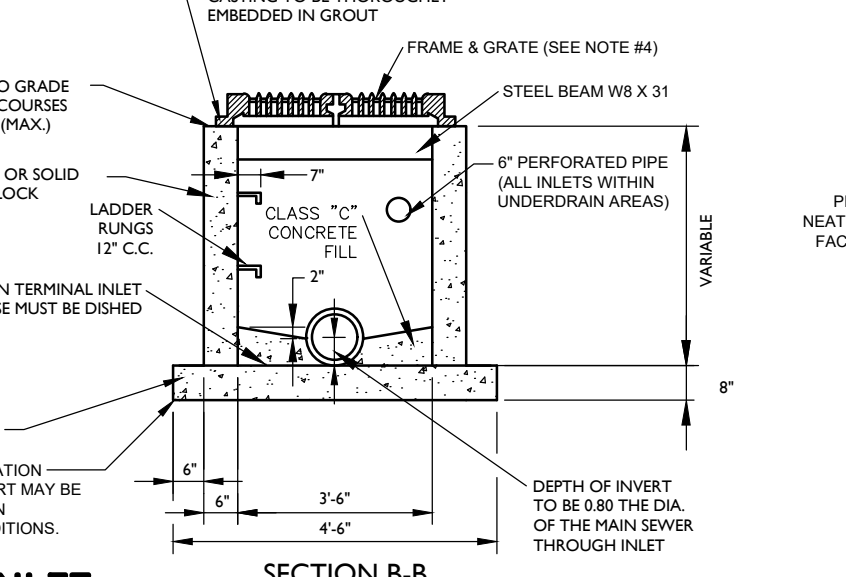
3D BROOK TROUT DESIGN
N.T.S.



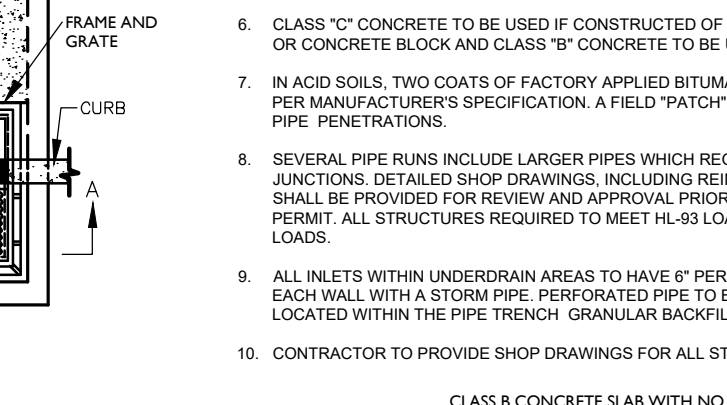
- NOTES**
- INVERTS TO BE ELIMINATED IN BOTTOM OF TERMINAL INLETS, BOTTOMS SHALL BE DISHED AND SLOPED TOWARDS THE OUTLET PIPE AT A RATE OF GRADE OF 2 INCHES PER FOOT.
 - INLETS MAY BE CONSTRUCTED OF CONCRETE OR CONCRETE BLOCK. IF CONCRETE BLOCK IS USED, THE BOTTOM SHALL BE AS SHOWN FOR CONCRETE. & THE OUTSIDE OF THE WALLS SHALL BE PLASTERED WITH 1/2" COAT OF 1/2" CEMENT SAND MORTAR. THE INSIDE WALLS JOINTS SHALL BE STRUCK & POINTED.
 - PROVIDE 1/2" DIA. X 7' X 1/2" ALUMINUM LADDER RUNGS, 1/2" O.C. OR COPOLYMER POLYPROPYLENE PLASTIC STEPS WITH 1/2" DIA. GRADE 60 STEEL REIN. MA. INDUSTRIES P20/P OR P20/B WITH PRECAST PRESS FIT INSERTS, 1/2" O.C.
 - INLET FRAME AND GRATES TO BE CAMPBELL FOUNDRY PATTERN NO. 3425 OR APPROVED EQUAL.
 - WHEN DEPTH IS GREATER THAN 12" THE WALLS SHOULD BE EITHER 8" SOLID CONCRETE BLOCK AND THE FOOTING SHALL BE EXTENDED TO 12" BEYOND THE OUTSIDE WALLS.
 - CLASS "C" CONCRETE TO BE USED IF CONSTRUCTED OF CAST IN PLACE CONCRETE OR CONCRETE OR CONCRETE BLOCK AND CLASS "B" CONCRETE TO BE USED IF PRECAST CONCRETE.
 - IN ACID SOILS, TWO COATS OF FACTORY APPLIED BITUMASTIC WATER PROOFING SHALL BE APPLIED PER MANUFACTURER'S SPECIFICATION. A FIELD "PATCH" TREATMENT SHALL BE PROVIDED AROUND PIPE PENETRATIONS.
 - SEVERAL PIPE RUNS INCLUDE LARGER PIPES WHICH REQUIRE CUSTOM INLETS, MANHOLES AND JUNCTIONS. DETAILED SHOP DRAWINGS INCLUDING REINFORCEMENT AND CONNECTION DETAILS SHALL BE PROVIDED FOR REVIEW AND APPROVAL PRIOR TO ISSUANCE OF A CONSTRUCTION PERMIT. ALL STRUCTURES REQUIRED TO MEET HL-90 LOADING OR ESTABLISHED CONSTRUCTION LOADS.
 - ALL INLETS WITH UNDERDRAIN AREAS TO HAVE 6" PERFORATED PIPE STUBS IN LINEAR FEET AT EACH WALL WITH A STORM PIPE. PERFORATED PIPE TO BE WRAPPED WITH FILTER FABRIC AND LOCATED WITHIN THE PIPE TRENCH GRANULAR BACKFILL LAYER.
 - CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL STRUCTURES.



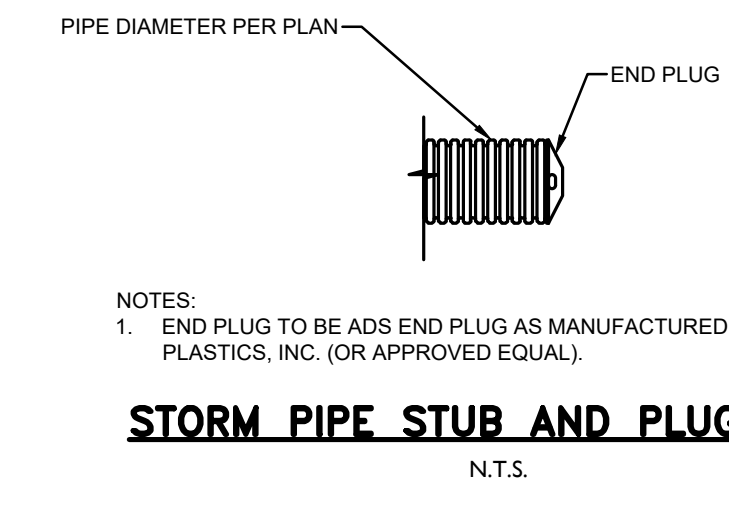
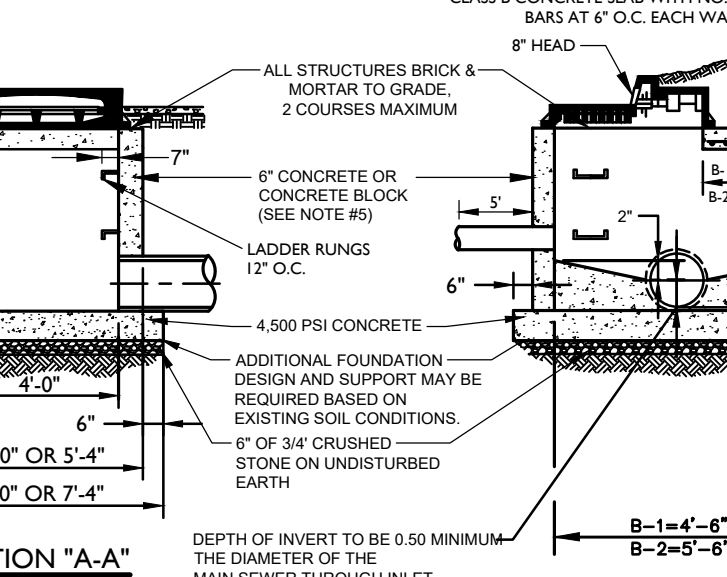
TYPE "DOUBLE E" INLET
N.T.S.



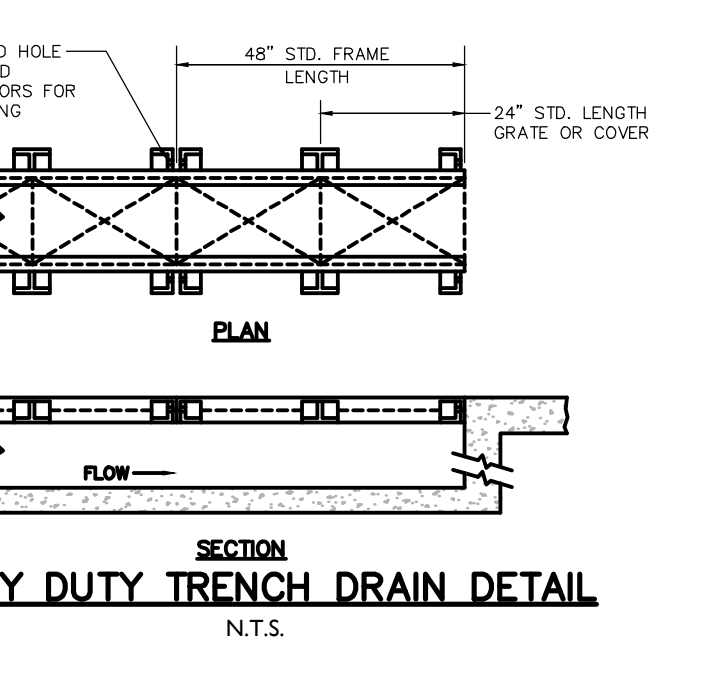
- NOTES**
- INVERTS TO BE ELIMINATED IN BOTTOM OF TERMINAL INLETS, BOTTOMS SHALL BE DISHED AND SLOPED TOWARDS THE OUTLET PIPE AT A RATE OF GRADE OF 2 INCHES PER FOOT.
 - INLETS MAY BE CONSTRUCTED OF CONCRETE OR CONCRETE BLOCK. IF CONCRETE BLOCK IS USED, THE BOTTOM SHALL BE AS SHOWN FOR CONCRETE. & THE OUTSIDE OF THE WALLS SHALL BE PLASTERED WITH 1/2" COAT OF 1/2" CEMENT SAND MORTAR. THE INSIDE WALLS JOINTS SHALL BE STRUCK & POINTED.
 - PROVIDE 1/2" DIA. X 7' X 1/2" ALUMINUM LADDER RUNGS, 1/2" O.C. OR COPOLYMER POLYPROPYLENE PLASTIC STEPS WITH 1/2" DIA. GRADE 60 STEEL REIN. MA. INDUSTRIES P20/P OR P20/B WITH PRECAST PRESS FIT INSERTS, 1/2" O.C.
 - INLET FRAME AND GRATES TO BE CAMPBELL FOUNDRY PATTERN NO. 3425 OR APPROVED EQUAL.
 - WHEN DEPTH IS GREATER THAN 12" THE WALLS SHOULD BE EITHER 8" SOLID CONCRETE BLOCK AND THE FOOTING SHALL BE EXTENDED TO 12" BEYOND THE OUTSIDE WALLS.
 - CLASS "C" CONCRETE TO BE USED IF CONSTRUCTED OF CAST IN PLACE CONCRETE OR CONCRETE OR CONCRETE BLOCK AND CLASS "B" CONCRETE TO BE USED IF PRECAST CONCRETE.
 - IN ACID SOILS, TWO COATS OF FACTORY APPLIED BITUMASTIC WATER PROOFING SHALL BE APPLIED PER MANUFACTURER'S SPECIFICATION. A FIELD "PATCH" TREATMENT SHALL BE PROVIDED AROUND PIPE PENETRATIONS.
 - SEVERAL PIPE RUNS INCLUDE LARGER PIPES WHICH REQUIRE CUSTOM INLETS, MANHOLES AND JUNCTIONS. DETAILED SHOP DRAWINGS INCLUDING REINFORCEMENT AND CONNECTION DETAILS SHALL BE PROVIDED FOR REVIEW AND APPROVAL PRIOR TO ISSUANCE OF A CONSTRUCTION PERMIT. ALL STRUCTURES REQUIRED TO MEET HL-90 LOADING OR ESTABLISHED CONSTRUCTION LOADS.
 - ALL INLETS WITH UNDERDRAIN AREAS TO HAVE 6" PERFORATED PIPE STUBS IN LINEAR FEET AT EACH WALL WITH A STORM PIPE. PERFORATED PIPE TO BE WRAPPED WITH FILTER FABRIC AND LOCATED WITHIN THE PIPE TRENCH GRANULAR BACKFILL LAYER.
 - CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL STRUCTURES.



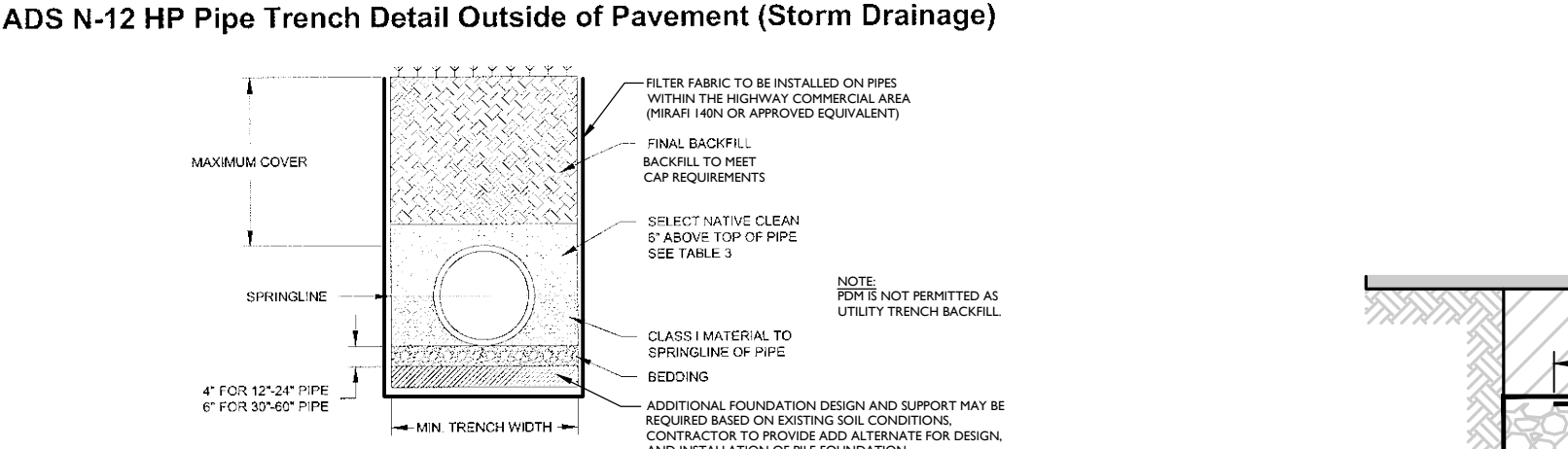
TYPE "B" INLET
N.T.S.



STORM PIPE STUB AND PLUG DETAIL
N.T.S.



HEAVY DUTY TRENCH DRAIN DETAIL
N.T.S.



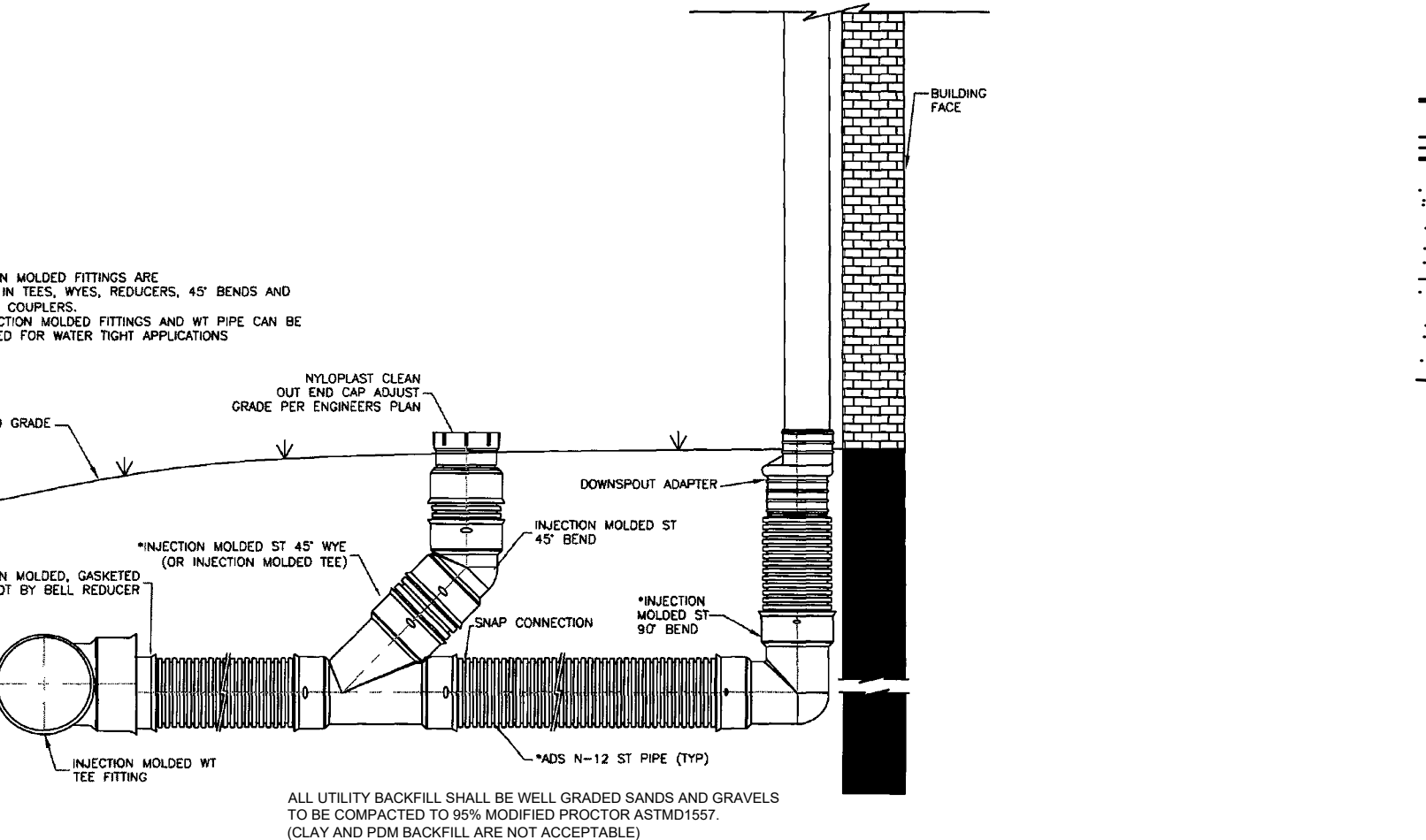
ADS N-12 HP Pipe Trench Detail Outside of Pavement (Storm Drainage)

Table 3
Maximum Cover for ADS N-12 HP Pipe (Outside of Pavement) for Storm Drainage, R (in)

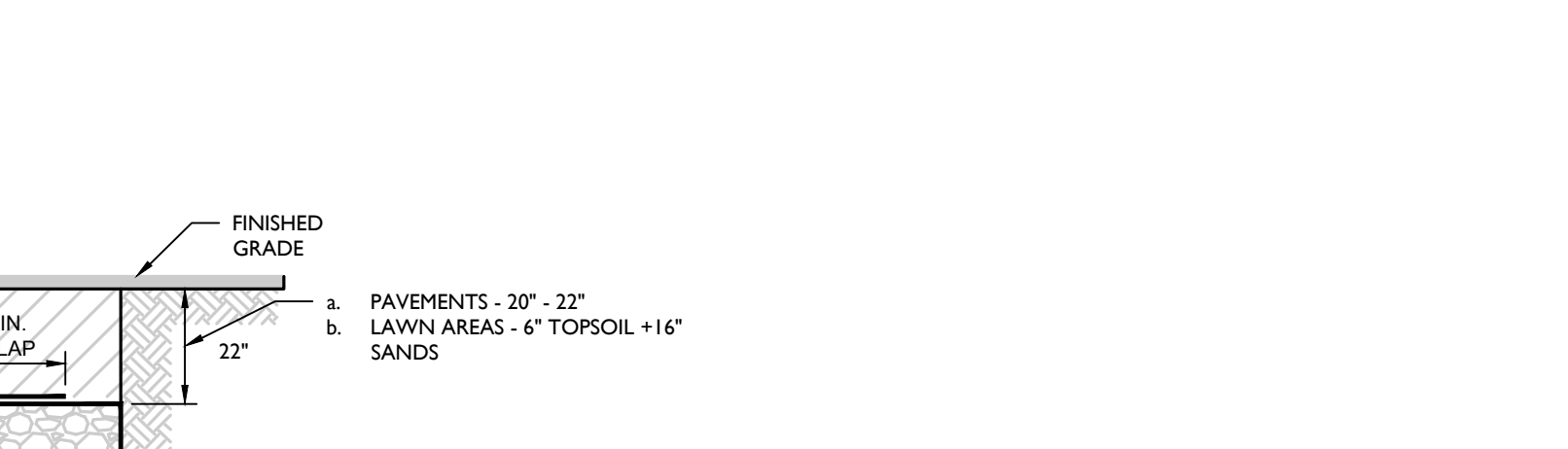
Diameter (in)	Class 1	Class 2	Class 3	Class 4
12 (300)	17 (5.2)	14 (4.3)	11 (3.3)	10 (3.0)
15 (375)	17 (5.2)	14 (4.3)	10 (3.0)	10 (3.0)
18 (450)	16 (4.9)	13 (4.0)	10 (3.0)	10 (3.0)
24 (600)	14 (4.3)	12 (3.7)	9 (2.7)	8 (2.4)
30 (750)	13 (4.0)	12 (3.7)	8 (2.4)	8 (2.4)
36 (900)	11 (3.4)	12 (3.7)	7 (2.1)	7 (2.1)
48 (1200)	11 (3.4)	10 (3.0)	6 (1.8)	6 (1.8)
60 (1500)	11 (3.4)	10 (3.0)	6 (1.8)	6 (1.8)

- Notes:**
- Results based on calculations shown in the Structures section of the ADS Drainage Handbook. Calculations assume a soil density of 120 pcf (1926 kg/m³) for overburden material.
 - Backfill materials and compaction levels not shown in the table may also be acceptable. Contact ADS for further detail.
 - Class 1 material used below springline must be adequately "infiltrated" into haunch and in between corrugations.
 - Compaction levels shown are for standard Proctor density.
 - For projects where cover exceeds the maximum values listed above, contact ADS for specific design considerations.
 - Calculations assume no hydrostatic pressure. Hydrostatic pressure will result in a reduction in allowable fill height. Production in allowable fill height must be assessed by the design engineer for the specific field conditions.
 - ALL UTILITY BACKFILL SHALL BE WELL GRADED SANDS AND GRAVELS TO BE COMPACTED TO 95% MODIFIED PROCTOR ASTM1557. (CLAY AND PGM BACKFILL ARE NOT ACCEPTABLE)

ADS PIPE BEDDING DETAIL
N.T.S.



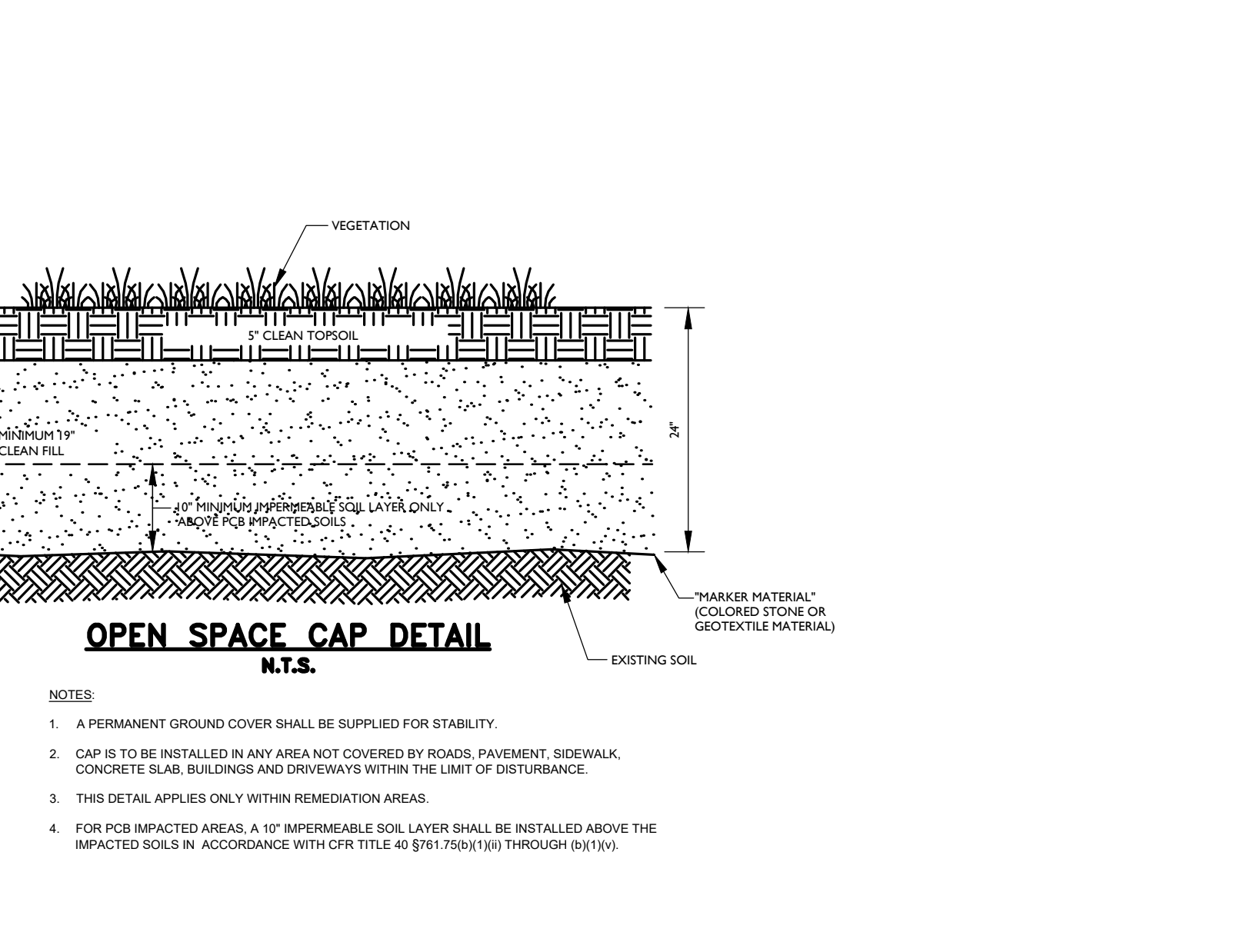
ROOF DRAIN CONNECTION DETAIL
N.T.S.



UNDERDRAIN SECTION DETAIL
N.T.S.

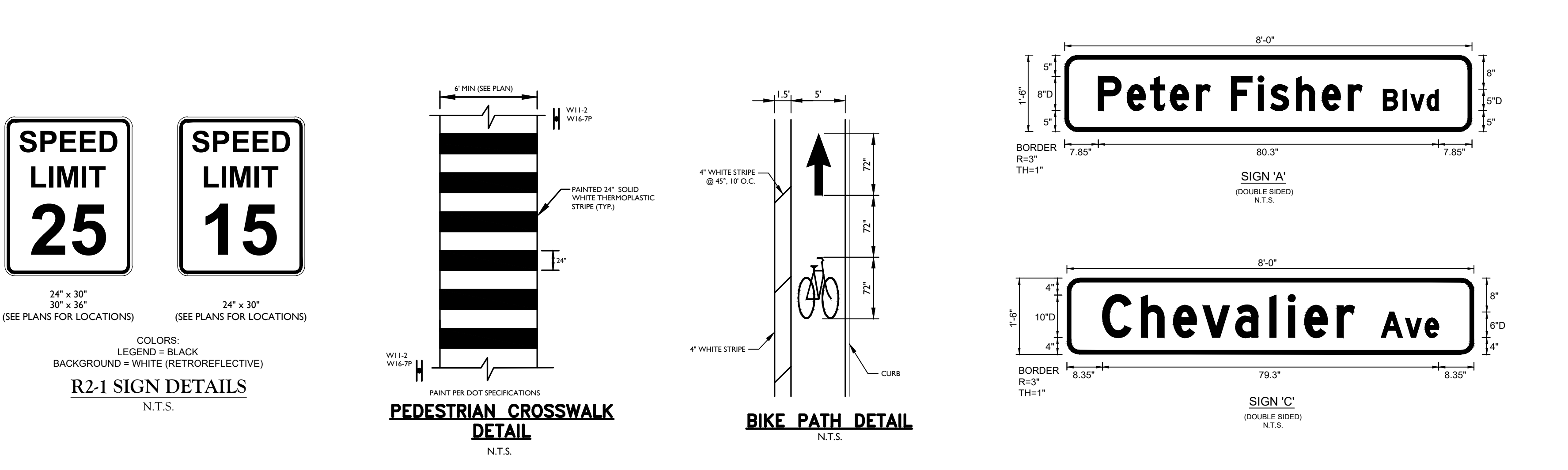
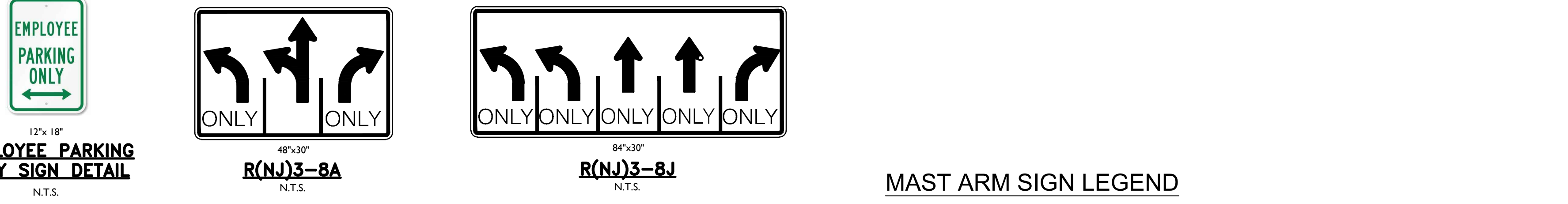
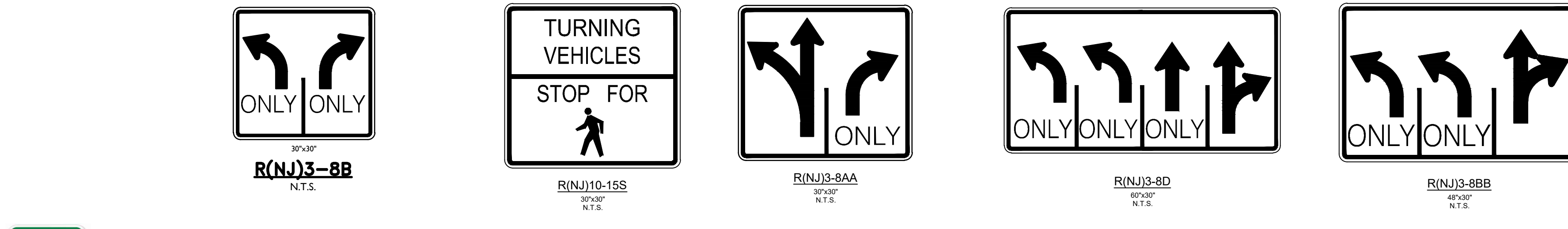
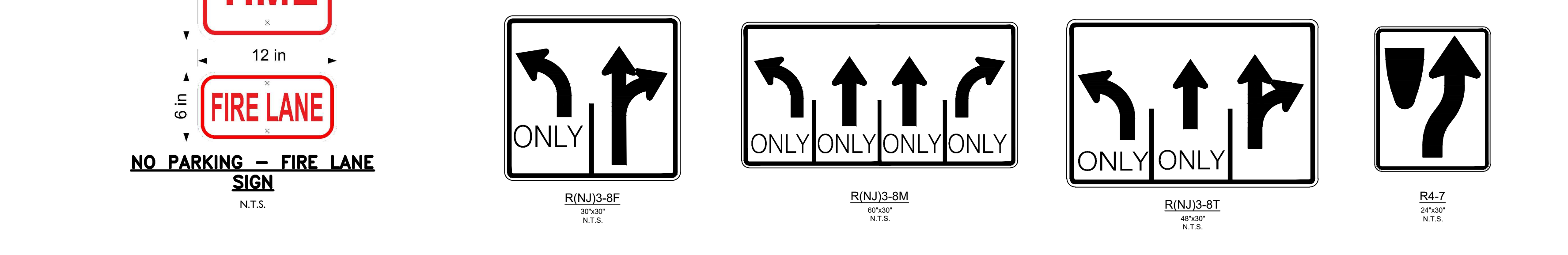
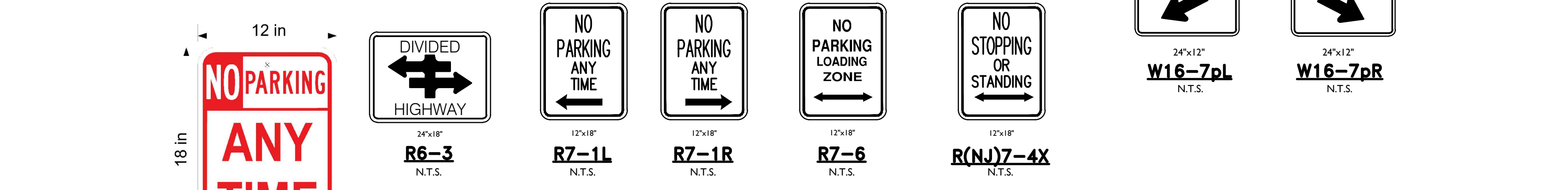
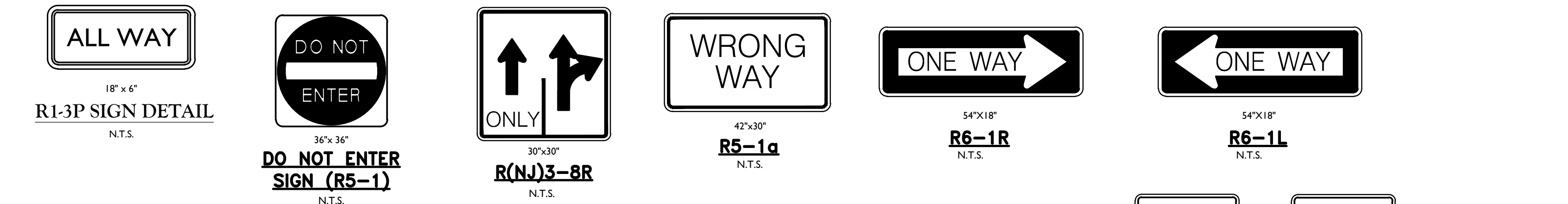
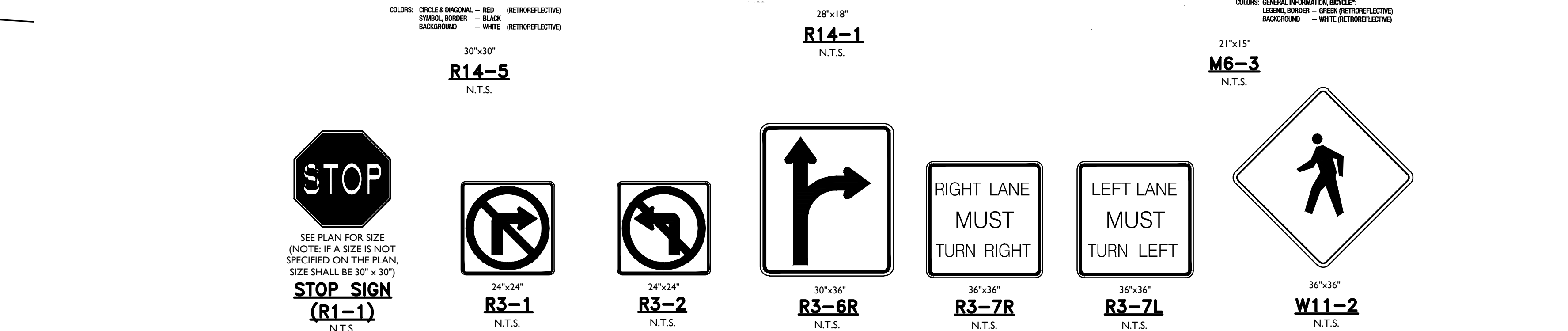
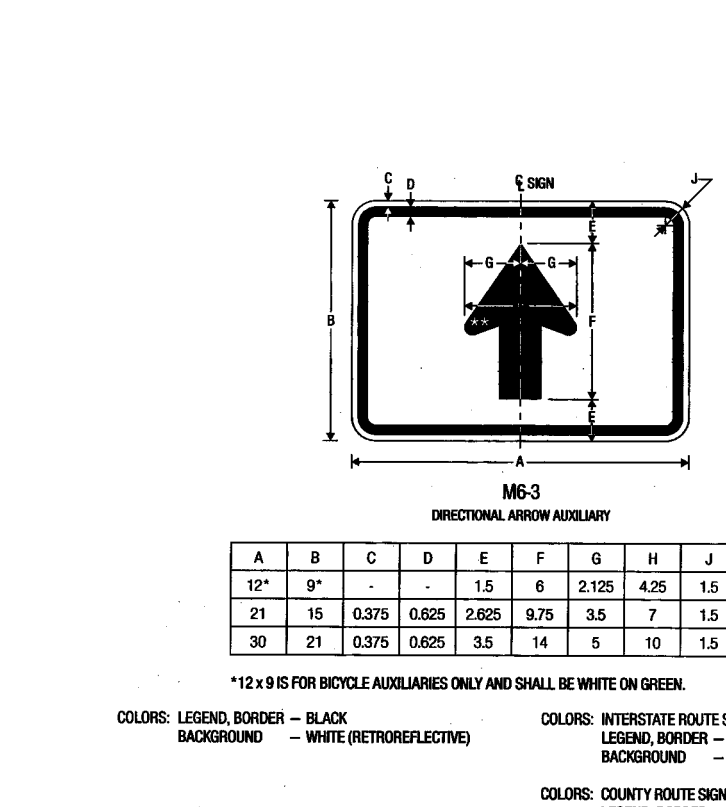
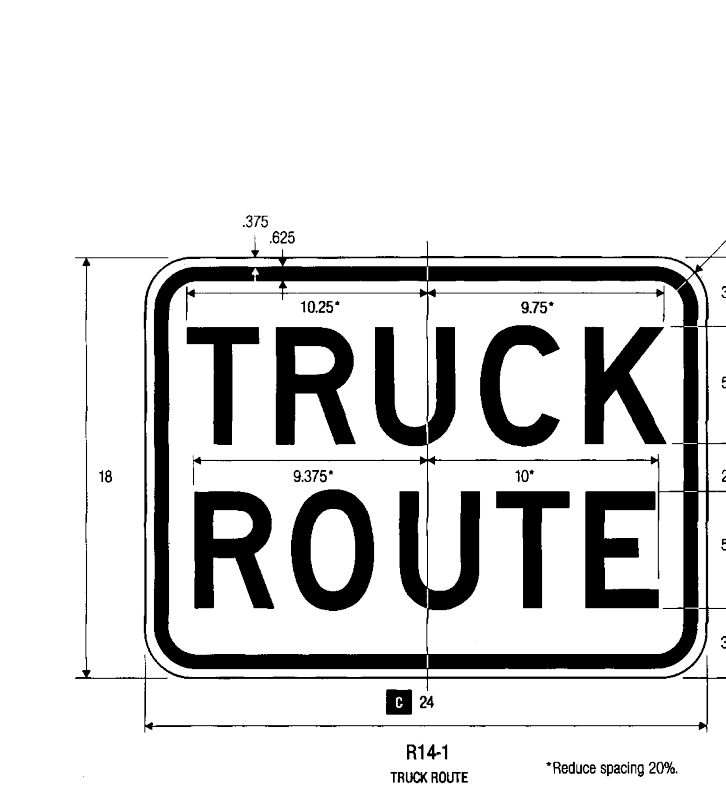
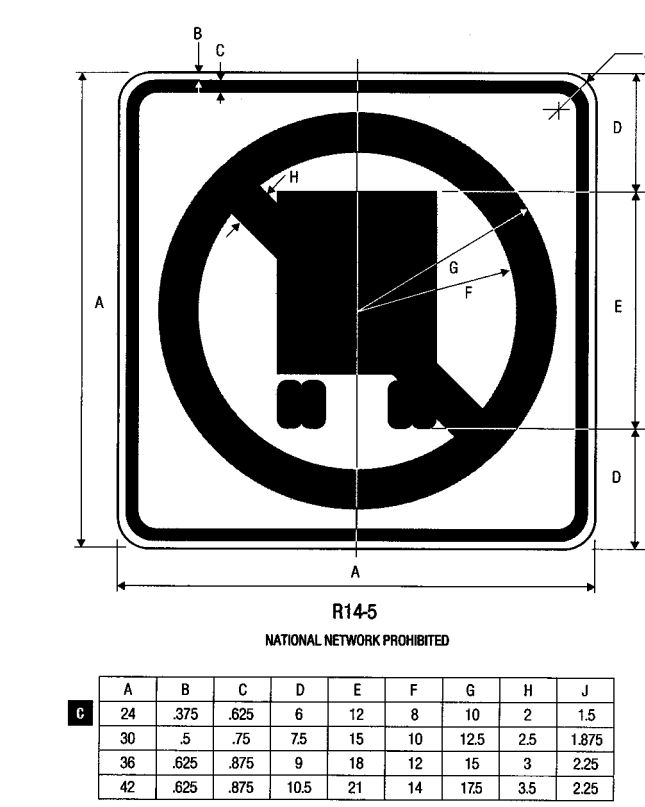
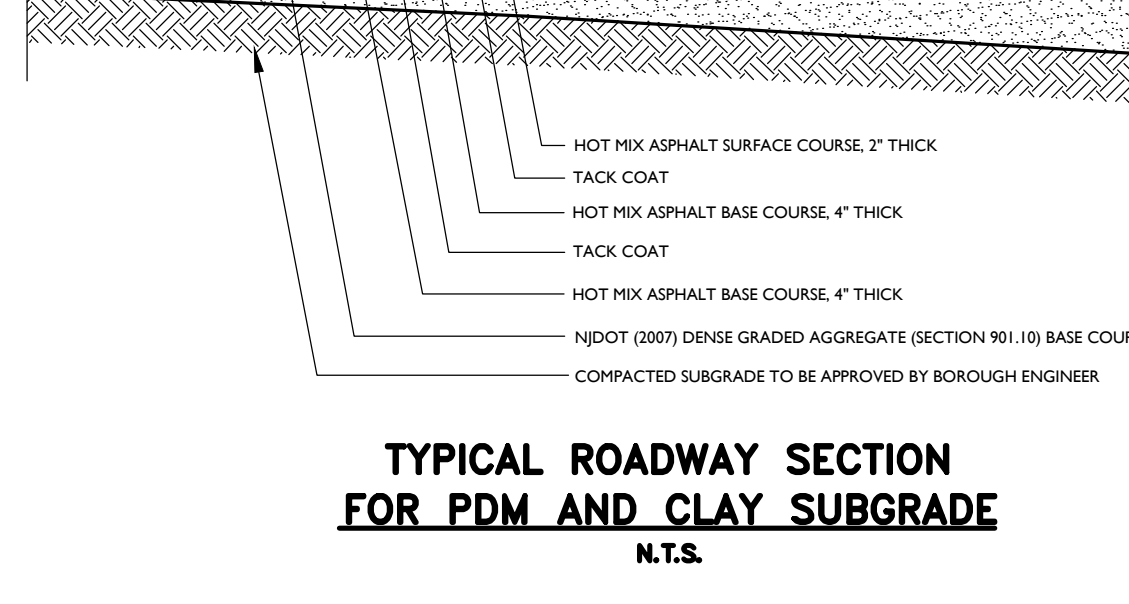
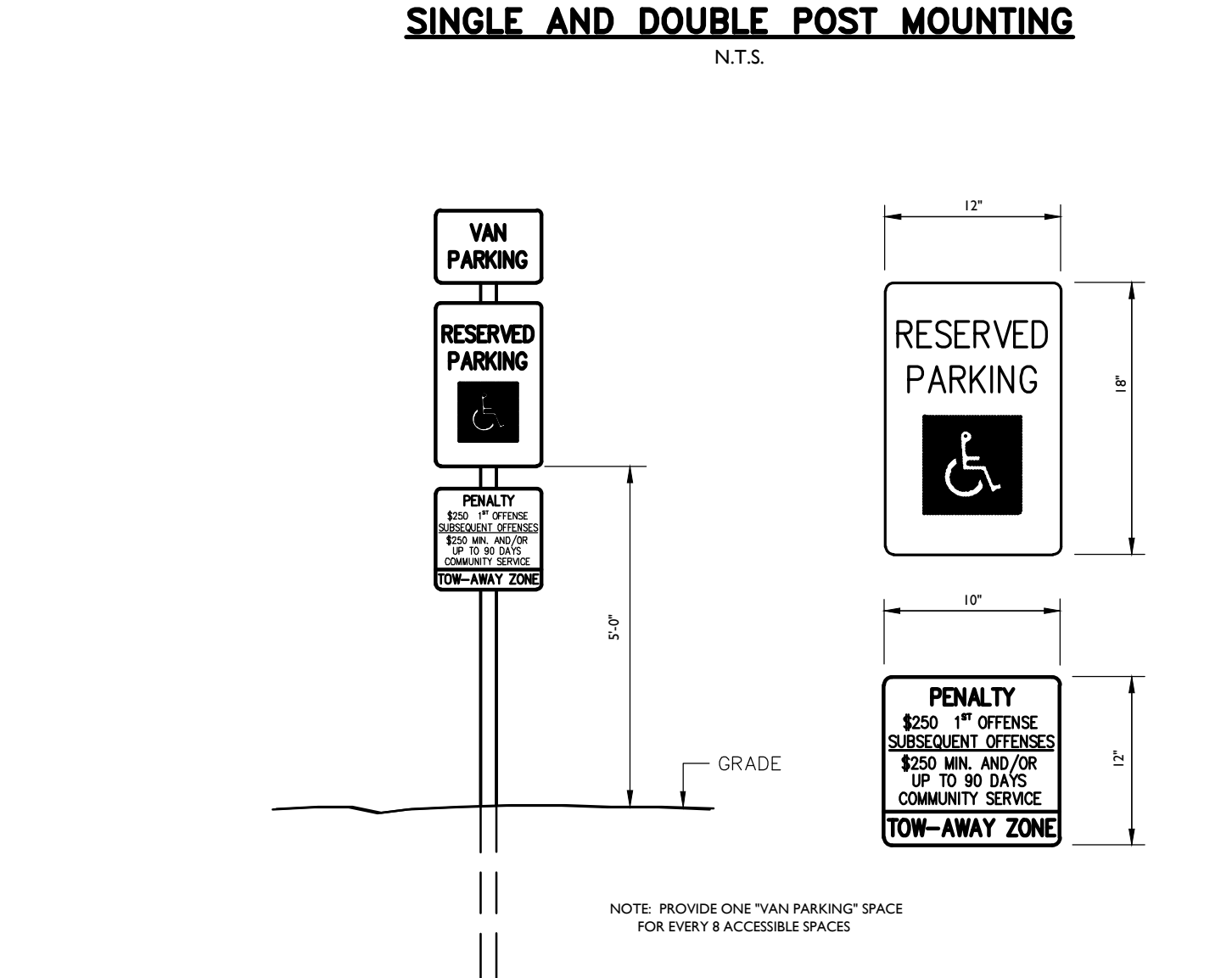
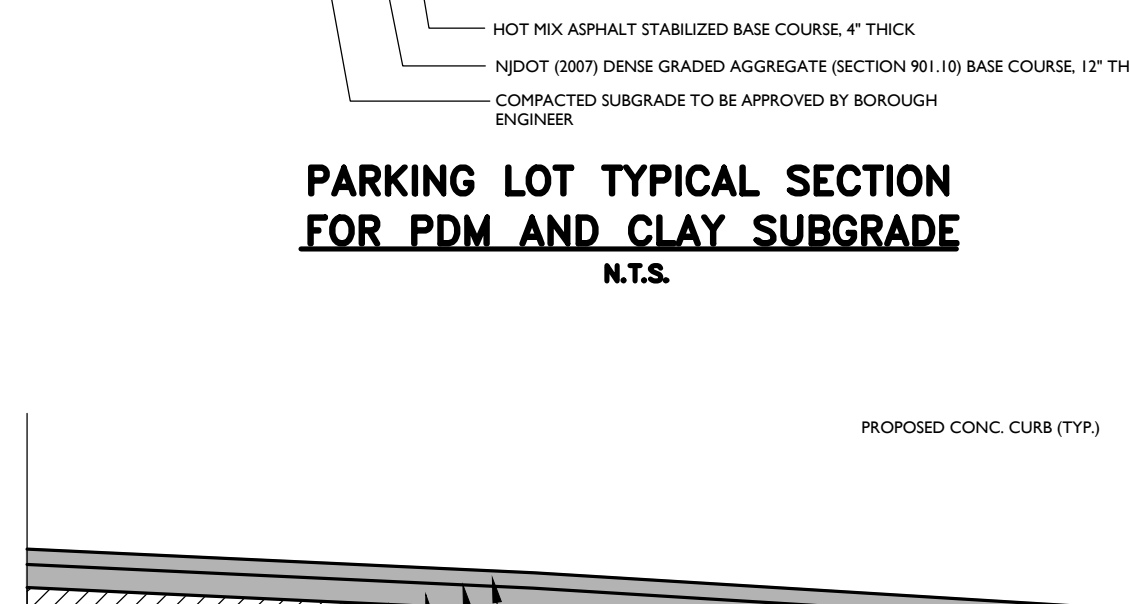
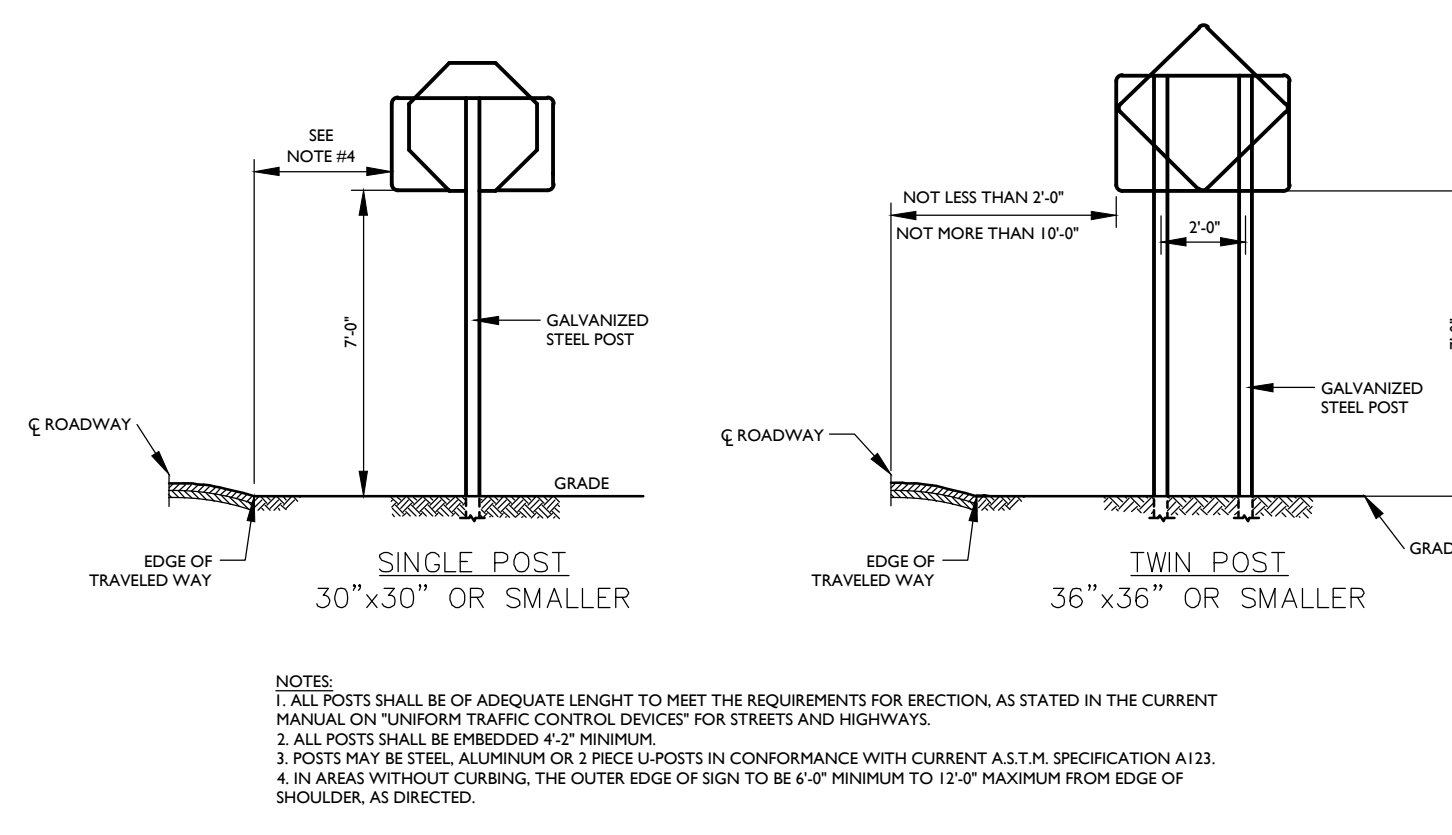
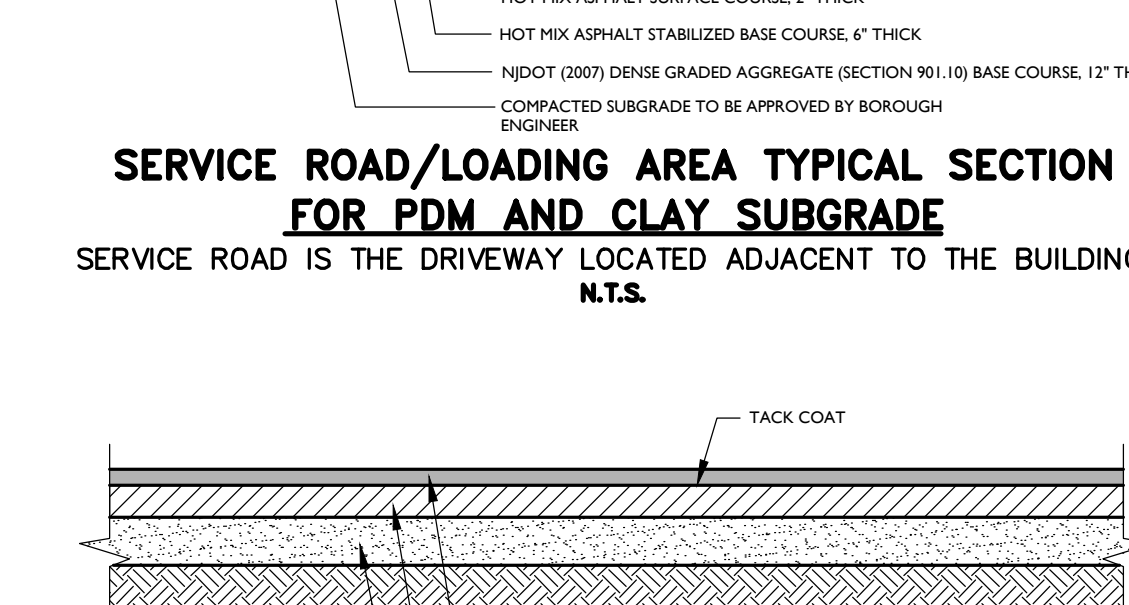
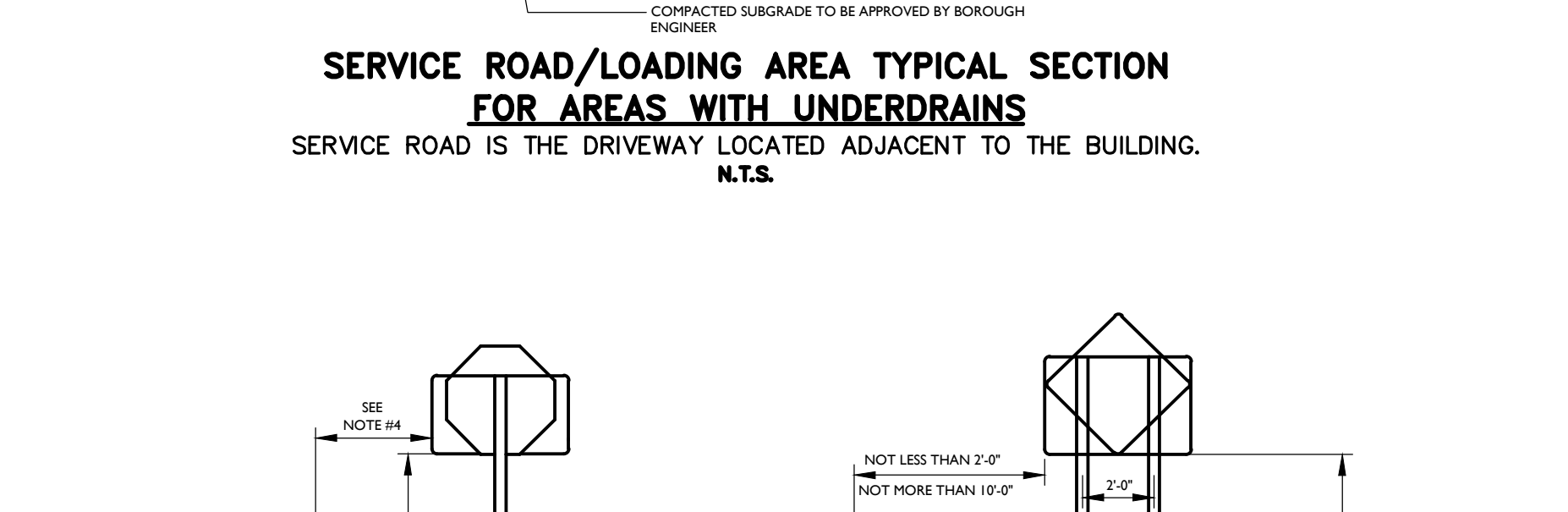
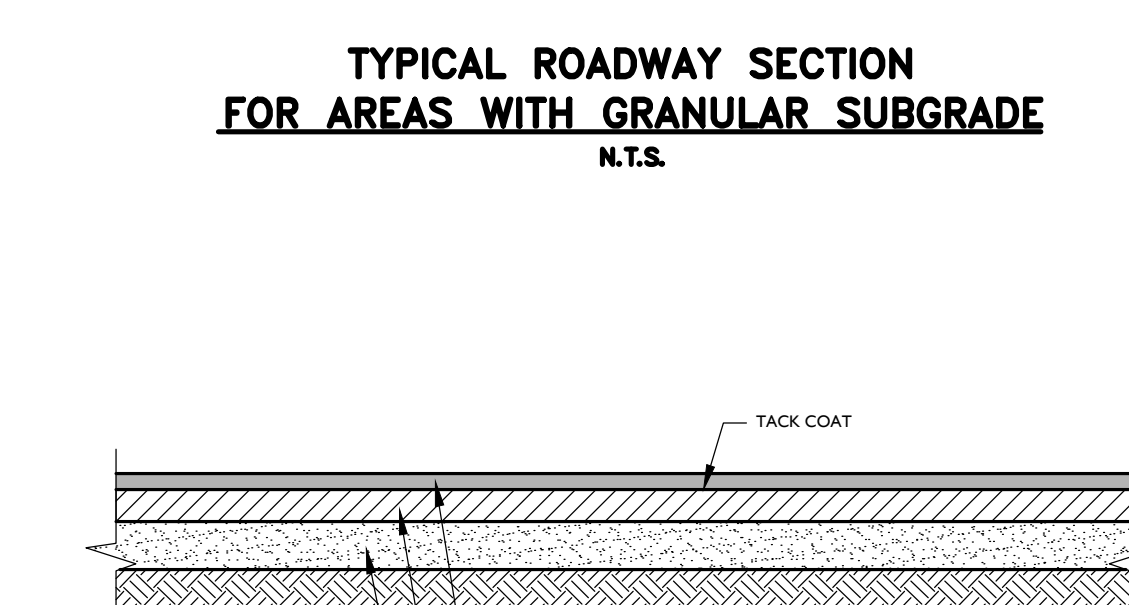
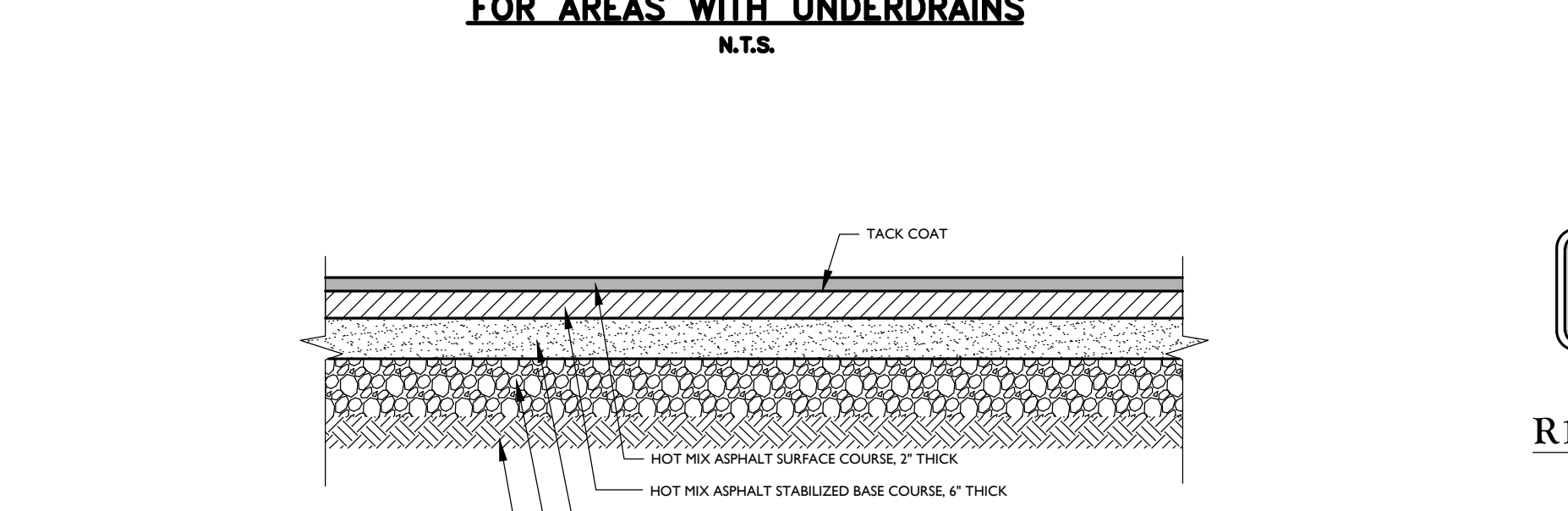
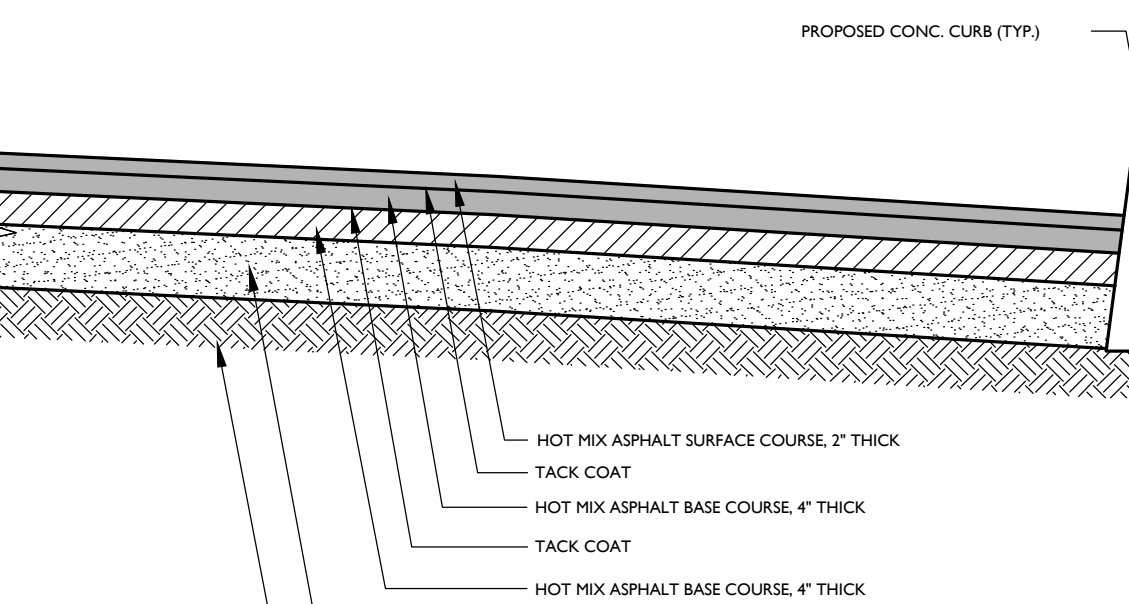
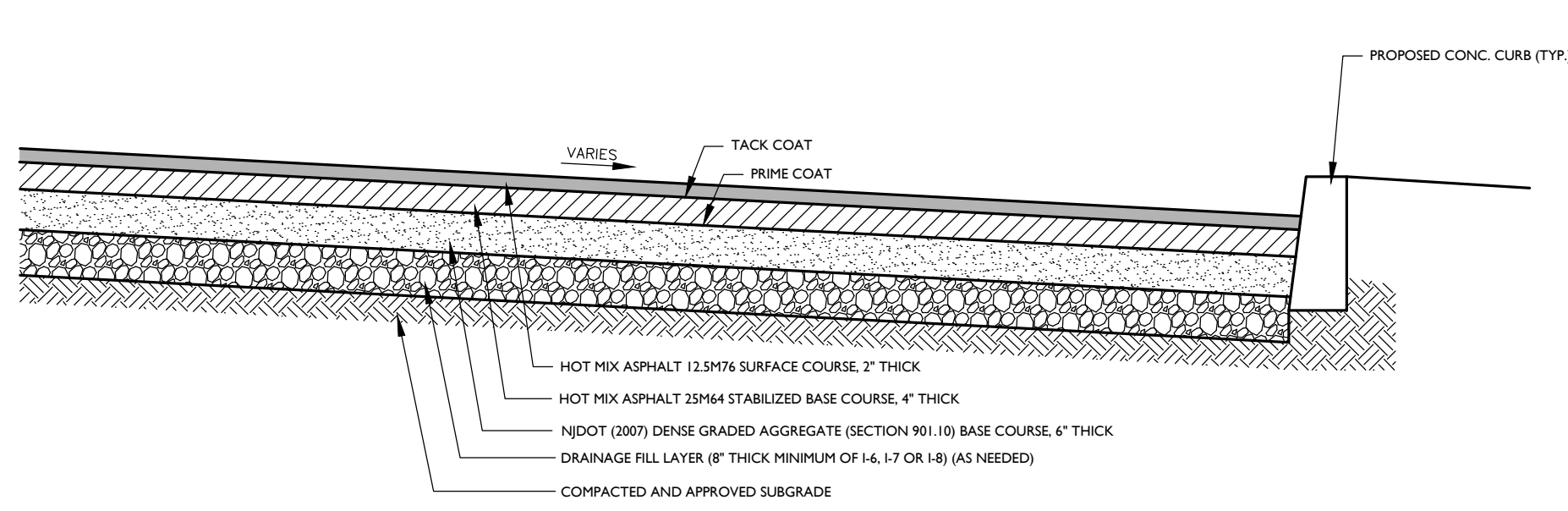
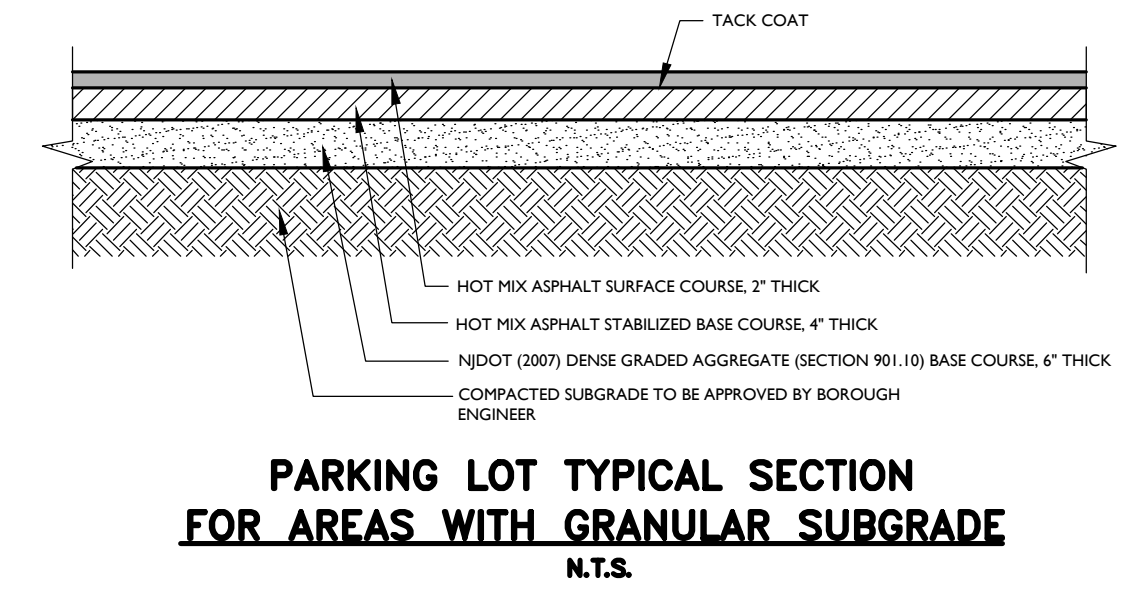
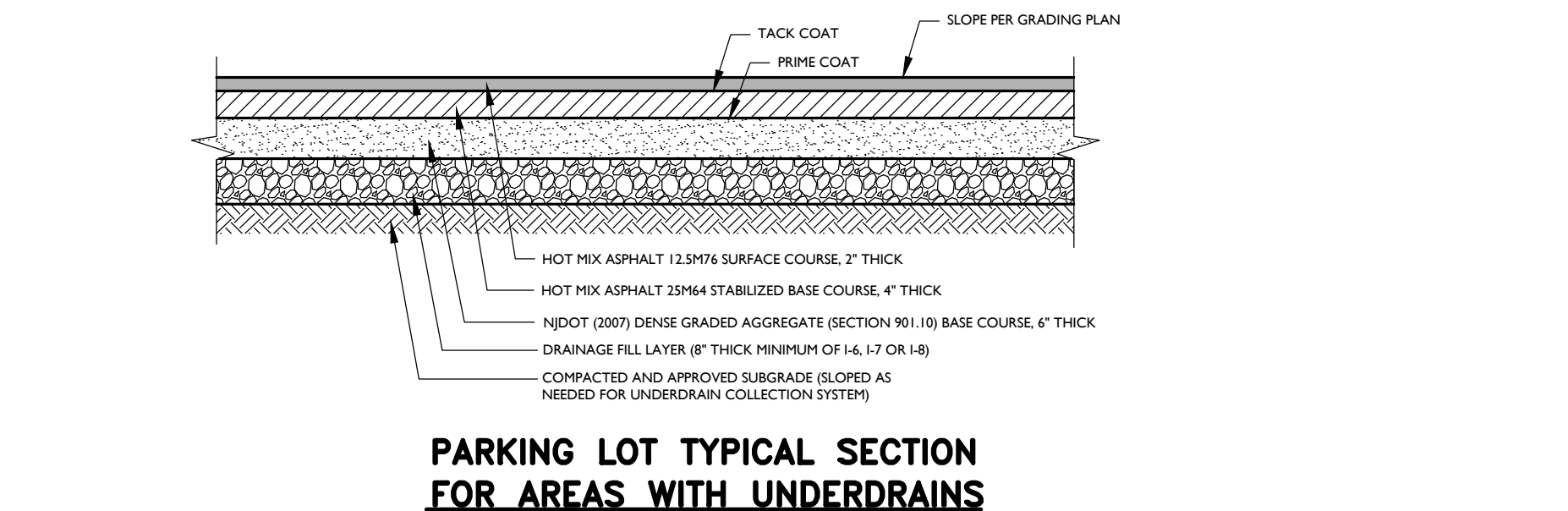
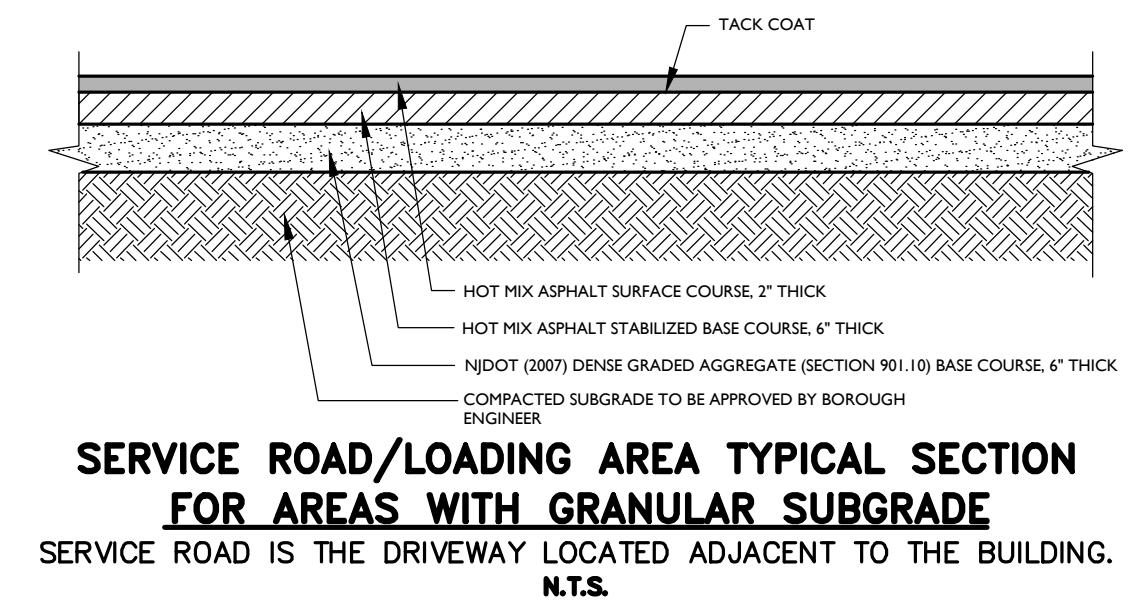


OPEN SPACE CAP DETAIL
N.T.S.



PERMANENT GROUND COVER DETAIL
N.T.S.

Doing Business as **MASER**
811 PROTECT YOURSELF
Call before you dig. Call before you dig. Call before you dig. For state specific direct phone numbers visit: www.call811.com



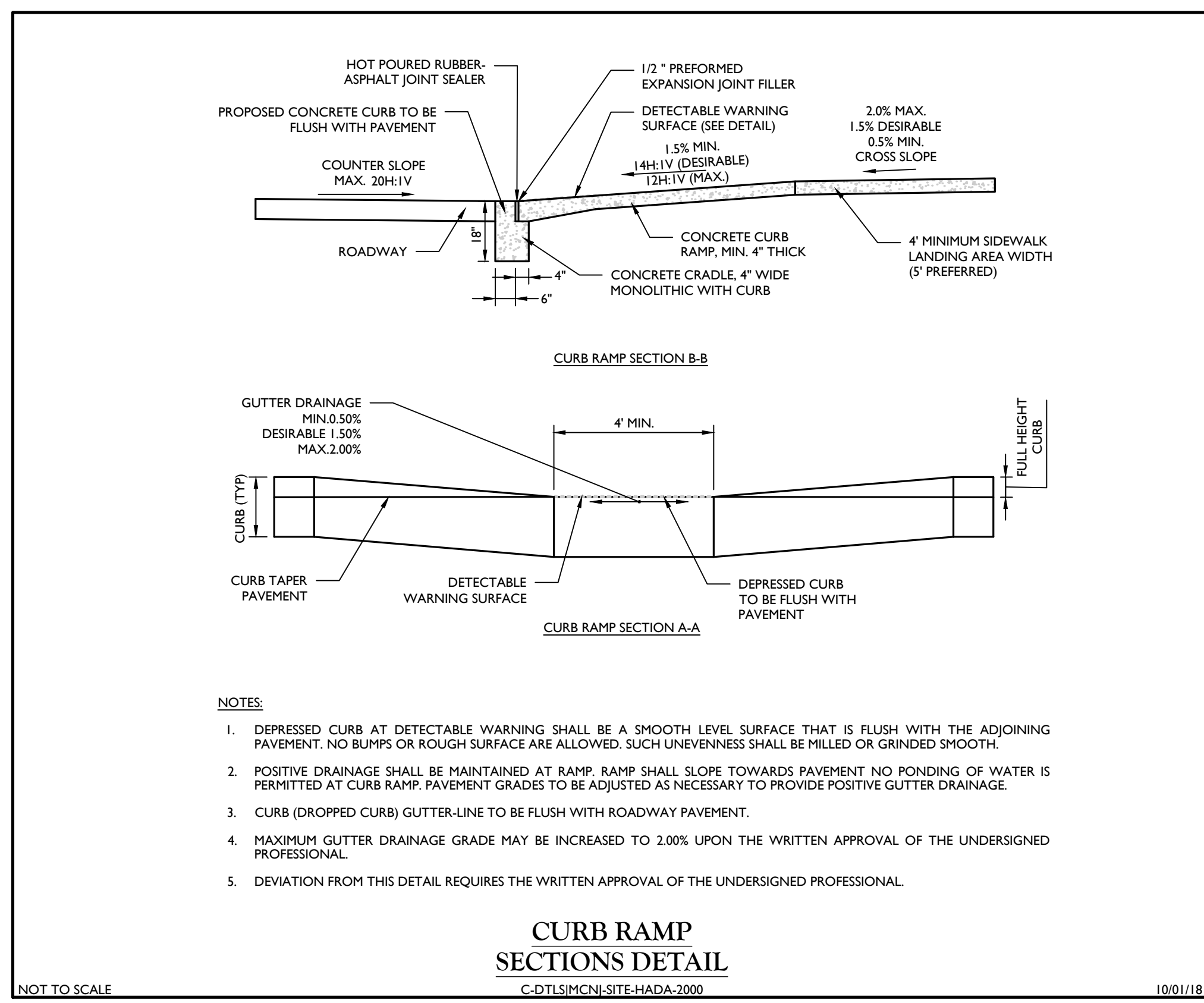
REV	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Daniel W. Busch
NEW JERSEY LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: GE42093
COLLIERS ENGINEERING & DESIGN, INC.
N.J. C.O.A.#: 2462798600

PHASE 1A BASS PRO BUILDING SITE
FOR
SAYREVILLE SEAPORT ASSOCIATES
BLOCK 257.02 LOT 7
BOROUGH OF SAYREVILLE MIDDLESEX COUNTY NEW JERSEY

Colliers
Engineering & Design
337 Newbury Springs Road, Suite 203, Red Bank, NJ 07071
Phone: 732-383-1950
COLLIERS ENGINEERING & DESIGN, INC. DOING BUSINESS AS MASER CONSULTING #

SCALE: AS SHOWN DATE: 4/13/2023 DRAWN BY: RM CHECKED BY: DWB
PROJECT NUMBER: 050005001 DRAWING NAME: C-UTLS-BASS-PRO-ASP
SHEET TITLE: CONSTRUCTION DETAILS
SHEET NUMBER: 24 of 26

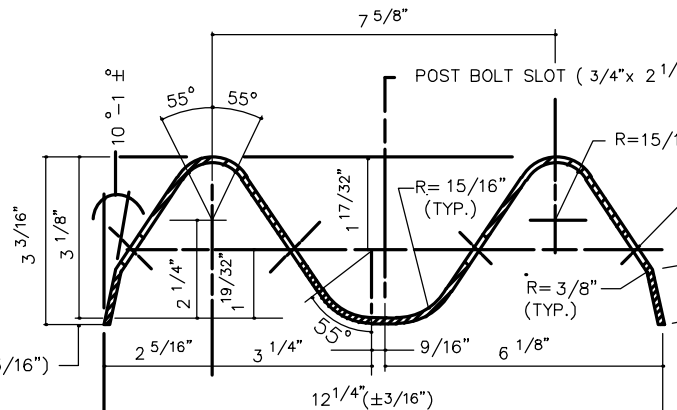


- NOTES:**
- DEPRESSED CURB AT DETECTABLE WARNING SHALL BE A SMOOTH LEVEL SURFACE THAT IS FLUSH WITH THE ADJOINING PAVEMENT. NO BUMPS OR ROUGH SURFACES ARE ALLOWED. SUCH UNEVENNESS SHALL BE MILLED OR GRINDED SMOOTH.
 - POSTIVE DRAINAGE SHALL BE MAINTAINED AT RAMP RAMP SHALL SLOPE TOWARDS PAVEMENT NO PONDING WATER IS PERMITTED AT CURB RAMP. PAVEMENT GRADES TO BE ADJUSTED AS NECESSARY TO PROVIDE POSITIVE GUTTER DRAINAGE.
 - CURB (DROPPED CURB) GUTTER-LINE TO BE FLUSH WITH ROADWAY PAVEMENT.
 - MAXIMUM GUTTER DRAINAGE GRADE MAY BE INCREASED TO 2.00% UPON THE WRITTEN APPROVAL OF THE UNDERSIGNED PROFESSIONAL.
 - DEVIATION FROM THIS DETAIL REQUIRES THE WRITTEN APPROVAL OF THE UNDERSIGNED PROFESSIONAL.

CURB RAMP SECTIONS DETAIL
C-DTSLMNCJ-SITE-HADA.2000

NOT TO SCALE

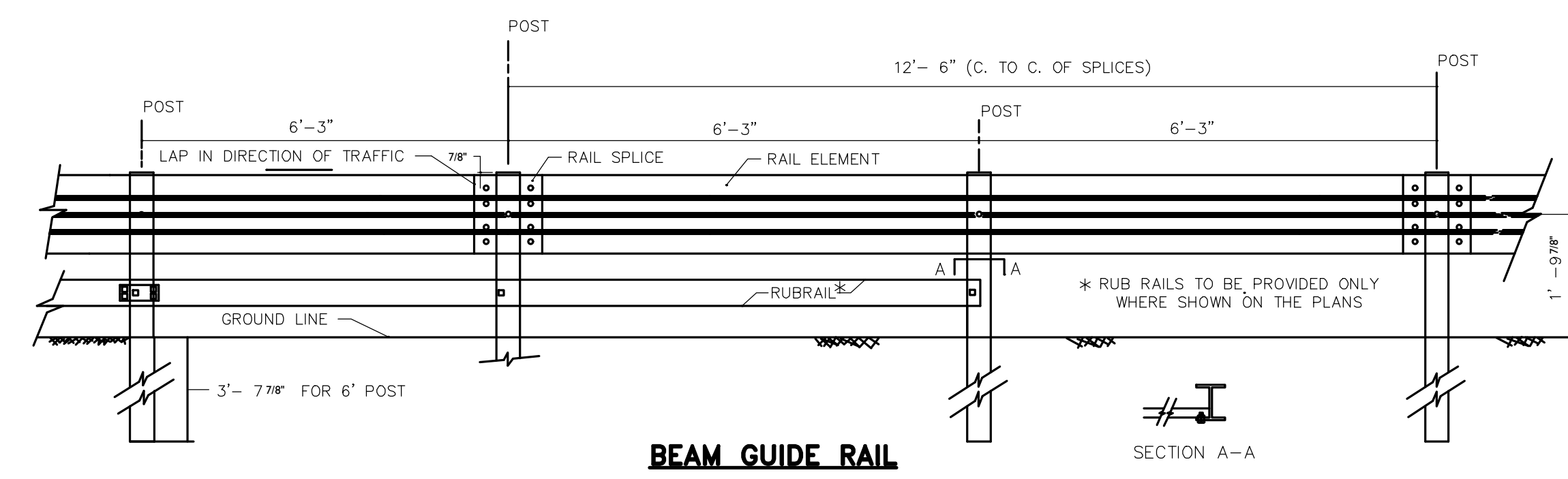
100118



W-BEAM RAIL ELEMENT

IF LESS THAN 2'	ADDITIONAL POST LENGTH FEET
SLOPES	
FLATTER THAN 6H:1V	NO CHANGE
6H:1V TO 4H:1V	2'
3H:1V TO 2H:1V	3'
STEEPER THAN 2H:1V	4'

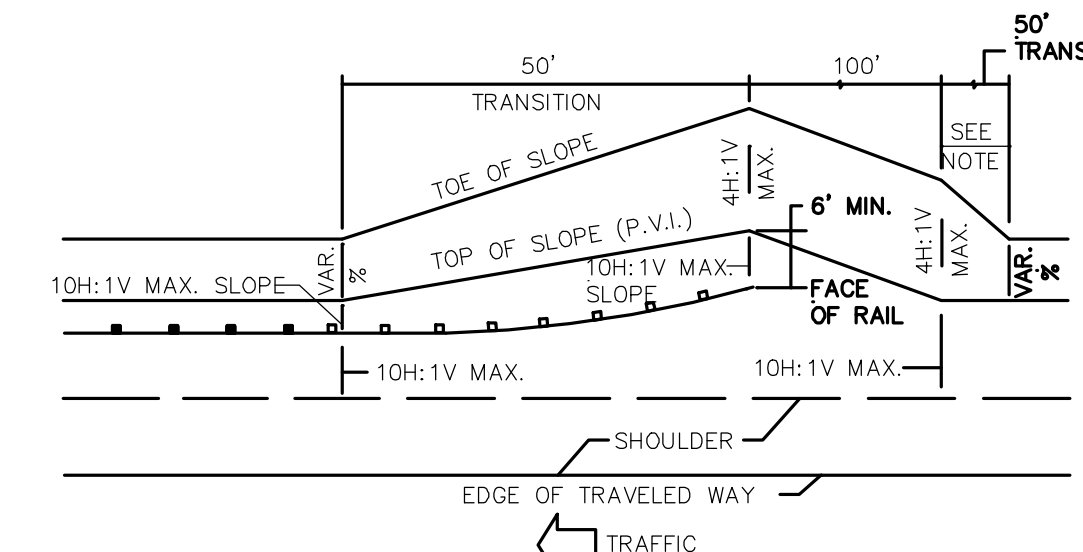
ADDITIONAL LENGTH BEAM GUIDE RAIL POSTS



BEAM GUIDE RAIL

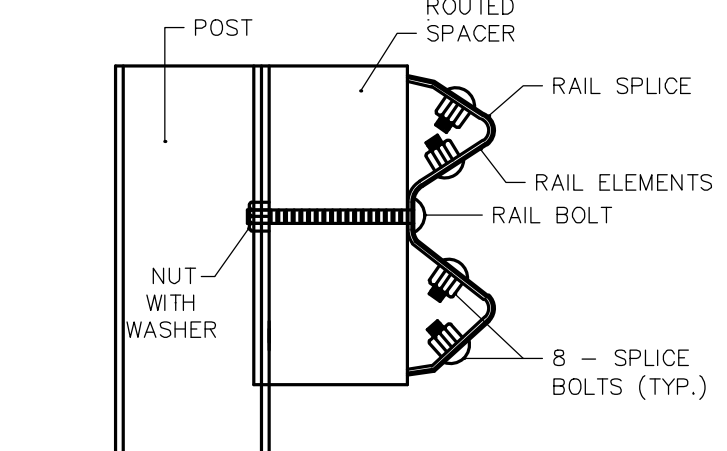
GENERAL NOTES

- ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
- RAIL ELEMENTS SHALL BE FURNISHED SHOP-CURVED, CONCAVE OR CONVEX, FOR RADII LESS THAN 150 FEET.
- THE STEEL FOR GALVANIZED RAIL ELEMENTS AND BOLTS SHALL CONFORM TO AUSTRIAN STANDARD SPECIFICATIONS AND ITS AMENDMENTS. RAIL ELEMENT TO BE "GALVANIZED STEEL".



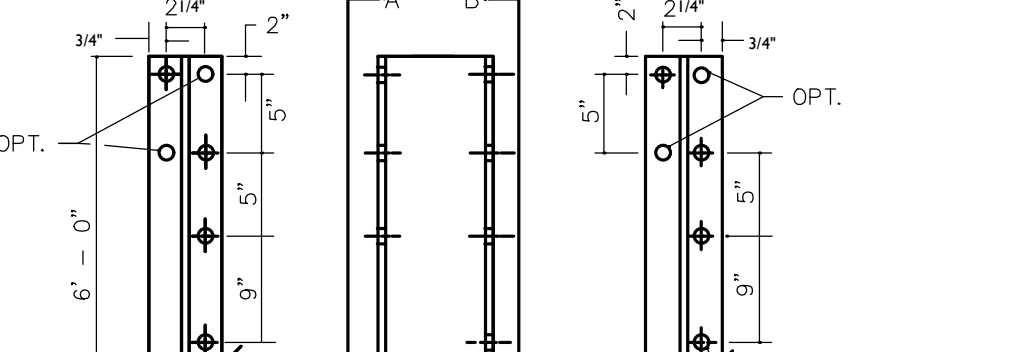
SLOPE TREATMENT AT SLOTTED GUIDE RAIL TERMINALS

NOTE: THIS TRANSITION IS ONLY NEEDED IF THE APPROACHING SLOPE IS STEEPER THAN 4H:1V.

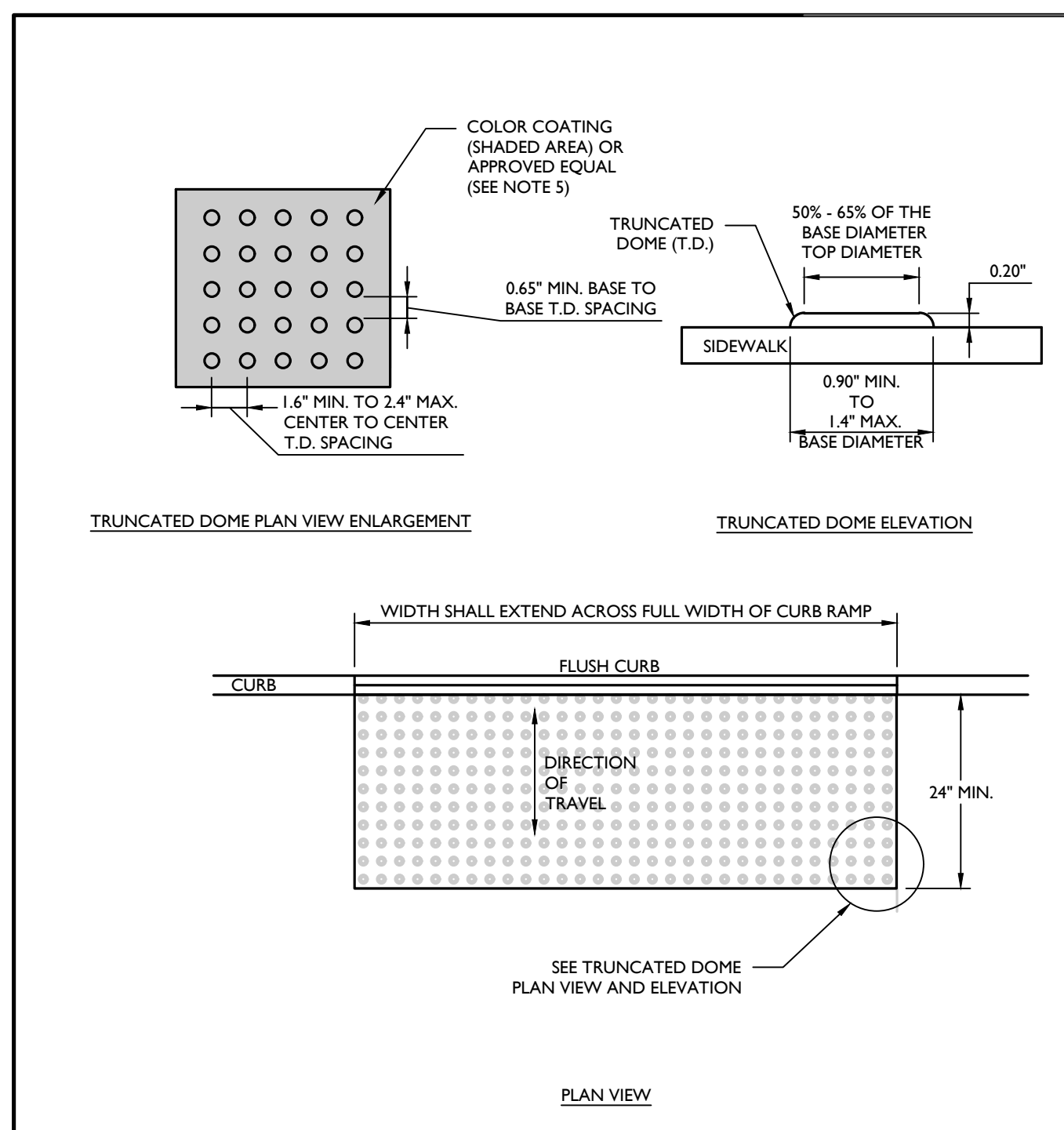


BEAM GUIDE RAIL POST ASSEMBLY

N.T.S.



6\"/>



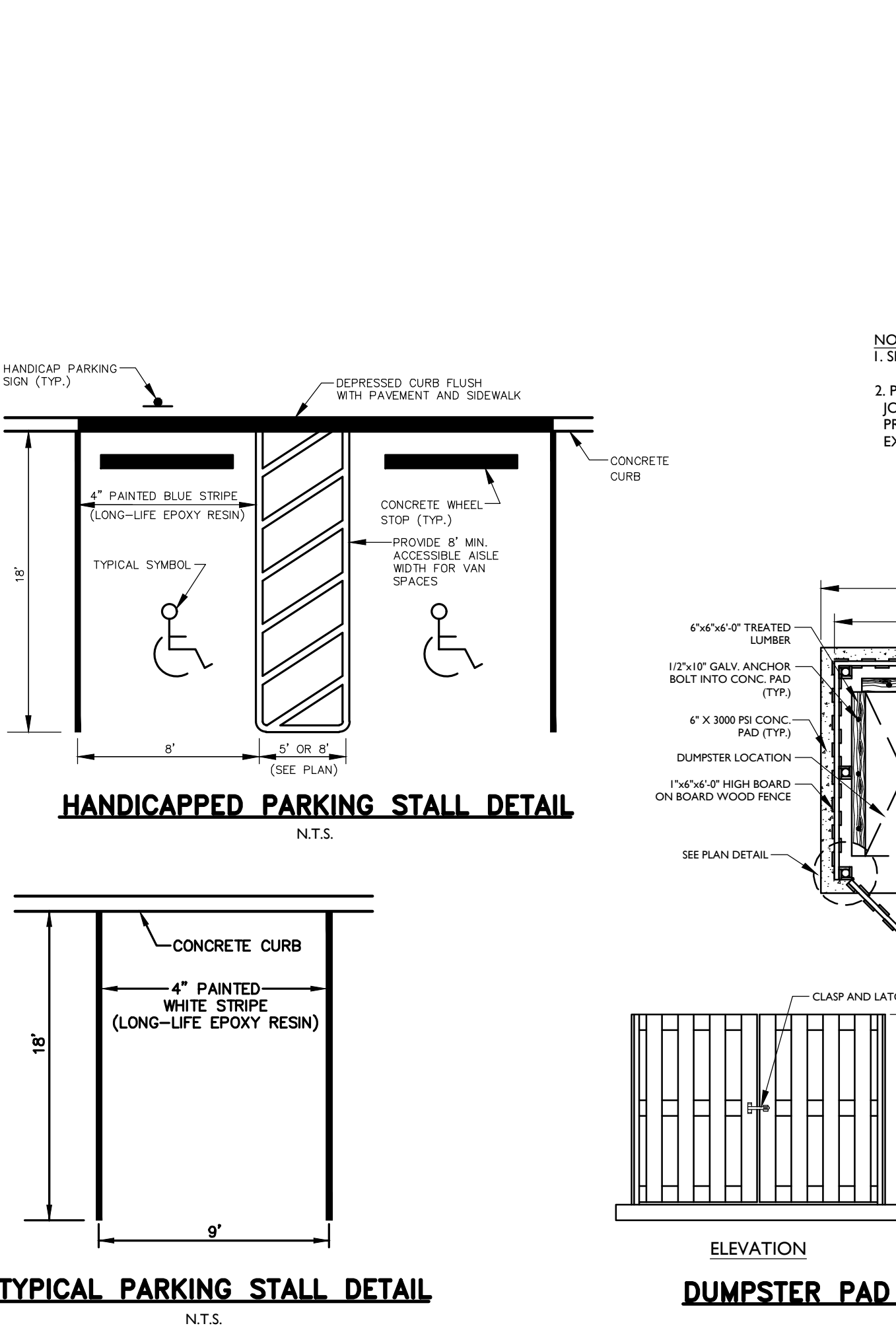
NOTES:

- THE DETECTABLE WARNING SURFACE SHALL BE MANUFACTURED MATS THAT ARE EMBEDDED AND CAST-IN-PLACE IN THE CONCRETE.
- IN LIEU OF A CAST IN PLACE DETECTABLE WARNING SURFACE, THE CONTRACTOR MAY UTILIZE A SURFACE APPLIED DETECTABLE WARNING SURFACE WITH PRIOR APPROVAL OF THE UNDERSIGNED ENGINEER AND PRIOR TO POURING OF THE CONCRETE RAMP.
- THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A SHOP DRAWING OF THE DETECTABLE WARNING SURFACE PRIOR TO CONSTRUCTION FOR APPROVAL.
- THE CONTRACTOR SHALL PROVIDE A MANUFACTURER CERTIFICATION THAT THE DETECTABLE WARNING SURFACE COMPLIES WITH THE CURRENT ADA STANDARDS FOR ACCESSIBLE DESIGN AS PUBLISHED BY THE DEPARTMENT OF JUSTICE AND THE ADA STANDARDS AS SUPPORTED BY THE UNITED STATES ACCESS BOARD, AND THE STATE AND/OR LOCAL ADA STANDARDS.
- SAFETY RED** SHALL BE APPROVED BY THE LOCAL JURISDICTION PRIOR TO INSTALLATION. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT. ALTERNATIVE COLOR MAY BE USED PROVIDED SUCH COLOR COMPLIES WITH CURRENT ADA STANDARDS.
- DETECTABLE WARNINGS SHALL CONSIST OF A SURFACE OF TRUNCATED DOMES.
- TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A CENTER-TO-CENTER SPACING OF 1.6 INCHES (41 mm) MINIMUM AND 2.4 INCHES (61 mm) MAXIMUM, AND A BASE-TO-BASE SPACING OF 0.65 INCH (17 mm) MINIMUM, MEASURED BETWEEN THE MOST ADJACENT DOMES ON A SQUARE GRID.
- SOME DETECTABLE WARNING PRODUCTS REQUIRE A CONCRETE BORDER FOR PROPER INSTALLATION, WHERE REQUIRED BY THE MANUFACTURER, THE CONCRETE BORDER SHALL NOT EXCEED 2 INCHES (51 mm).
- DETECTABLE WARNING SURFACES SHOULD NOT BE PLACED ON PAVING OR EXPANSION JOINTS AT CURB RAMP. THE JOINTS OF TRUNCATED DOMES IN DETECTABLE WARNING SURFACES SHOULD BE ALIGNED PERPENDICULAR TO THE GRADE BREAK BETWEEN THE RAMP RUN AND THE STREET SO PEDESTRIANS WHO USE WHEELCHAIRS CAN "TRACK" BETWEEN THE DOMES.
- ON PERPENDICULAR CURB RAMP, DETECTABLE WARNING SURFACES SHALL BE PLACED AS FOLLOWS:
 - WHERE THE ENDS OF THE BOTTOM GRADE BREAK ARE IN FRONT OF THE BACK OF CURB, DETECTABLE WARNING SURFACES SHALL BE PLACED AT THE BACK OF CURB.
 - WHERE THE ENDS OF THE BOTTOM GRADE BREAK ARE BEHIND THE BACK OF CURB IS 50 FT OR LESS, DETECTABLE WARNING SURFACES SHALL BE PLACED ON THE RAMP RUN WITHIN ONE DOME SPACING OF THE BOTTOM GRADE BREAK.
 - WHERE THE ENDS OF THE BOTTOM GRADE BREAK ARE BEHIND THE BACK OF CURB IS MORE THAN 50 FT, DETECTABLE WARNING SURFACES SHALL BE PLACED ON THE LOWER LANDING AT THE BACK OF CURB.
- ON PARALLEL CURB RAMP, DETECTABLE WARNING SURFACES SHALL BE PLACED ON THE TURNING SPACE AT THE FLUSH TRANSITION BETWEEN THE STREET AND SIDEWALK.
- ON BLENDED TRANSITIONS, DETECTABLE WARNING SURFACES SHALL BE PLACED AT THE BACK OF CURB.

DETECTABLE WARNING SURFACE DETAIL
C-DTSLMNCJ-SITE-HADA.2100

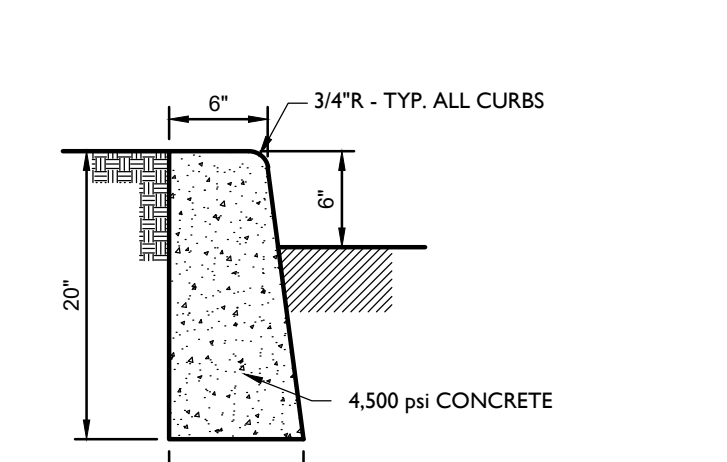
NOT TO SCALE

050118

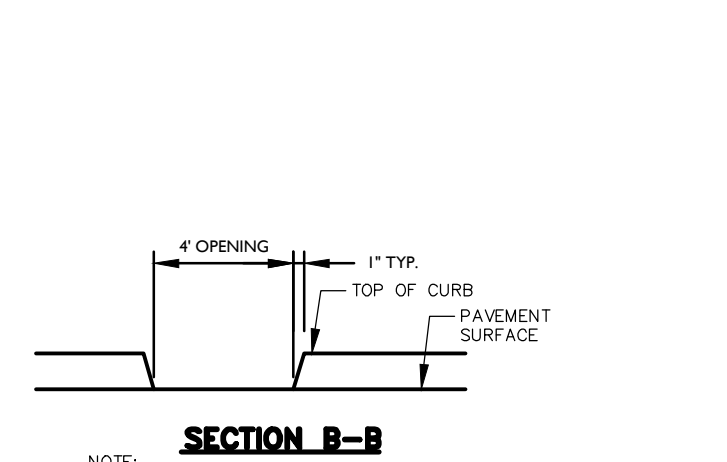


TYPICAL PARKING STALL DETAIL

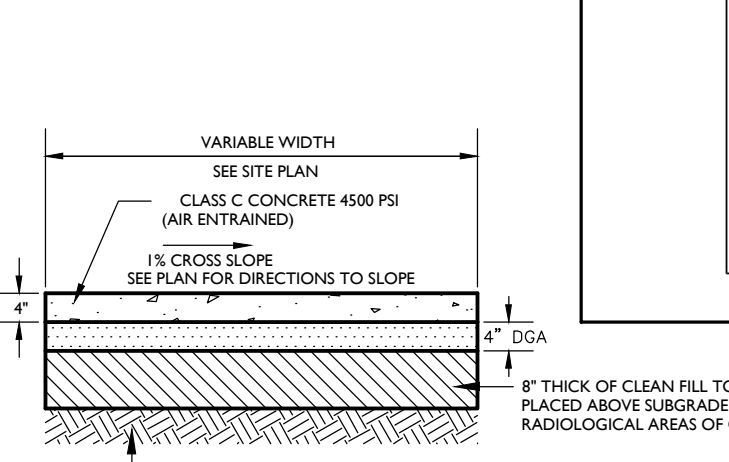
DUMPSTER PAD ENCLOSURE DETAIL



CONCRETE CURB



DROPPED CURB AND CRADLE



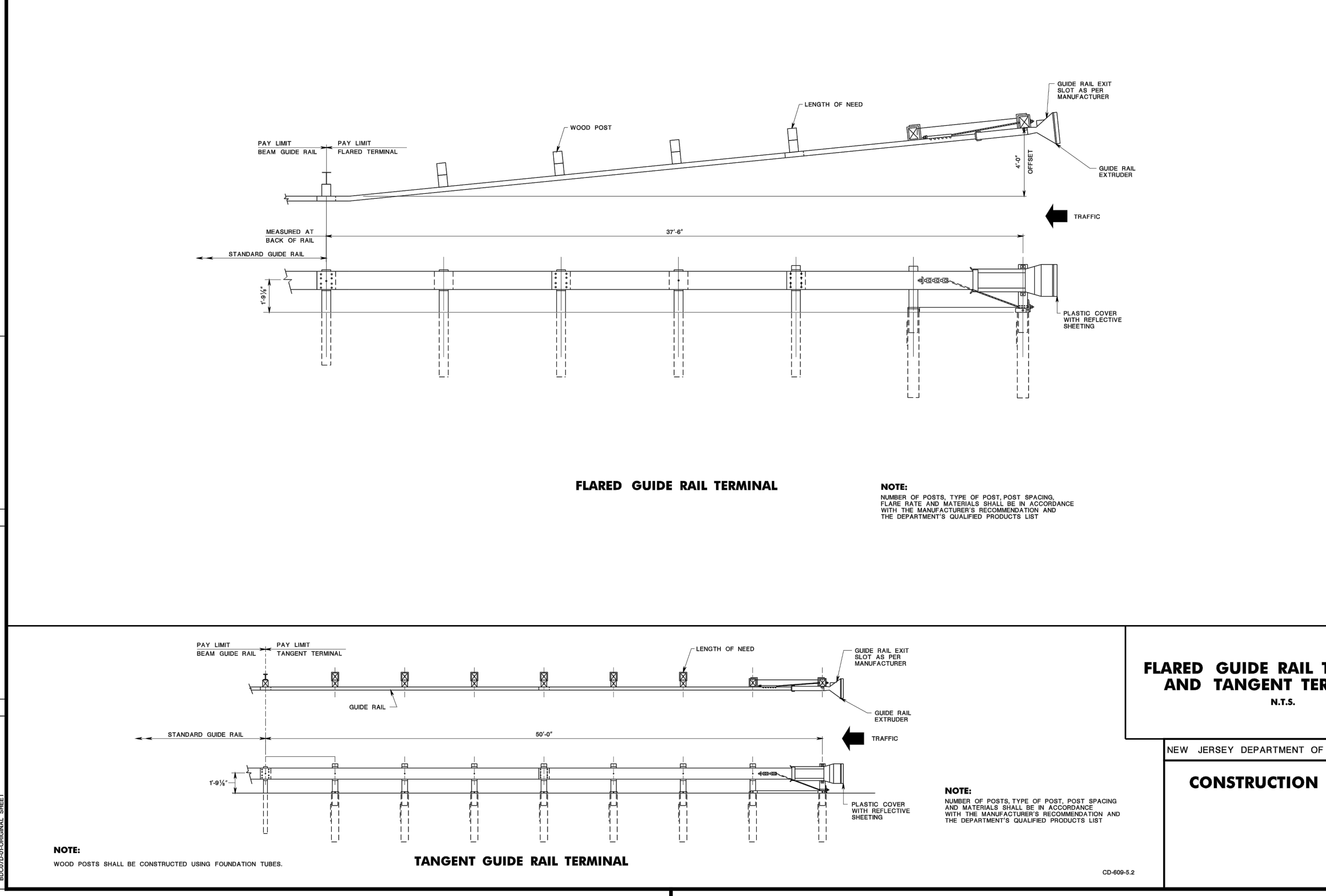
4\"/>

SECTION B-B

- CONCRETE TO TEST 4000 POUNDS PER SQUARE INCH MINIMUM ON 28-DAY COMPRESSIVE TEST.
- ALL CONCRETE TO BE PROPERLY CURED USING A CURING COMPOUND, SALT PAV. BULP, OR OTHER METHOD ACCEPTABLE TO MUNICIPAL ENGINEER.
- CONCRETE SLIP TO BE A MAXIMUM OF 3 INCHES OR AS DIRECTED BY THE MUNICIPAL ENGINEER.
- CONCRETE IS TO BE BROOCH FINISHED TO PROVIDE A NON-SLIP SURFACE.
- IF DEEP CONTRACTION JOINTS ARE TO BE STRUCK AT 4\"/>

4\"/>

- CONTRACTORS TO NOTIFY MUNICIPAL ENGINEER TWO DAYS PRIOR TO POURING.
- A HALF INCH EXPANSION JOINT OR A NONDEFORMABLE FIBRE REINFORCING MATERIAL SHALL BE ADDED CONTINUOUSLY BETWEEN THE CURB AND SIDEWALK AND RECESSED 1/4\"/>



FLARED GUIDE RAIL TERMINAL

TANGENT GUIDE RAIL TERMINAL

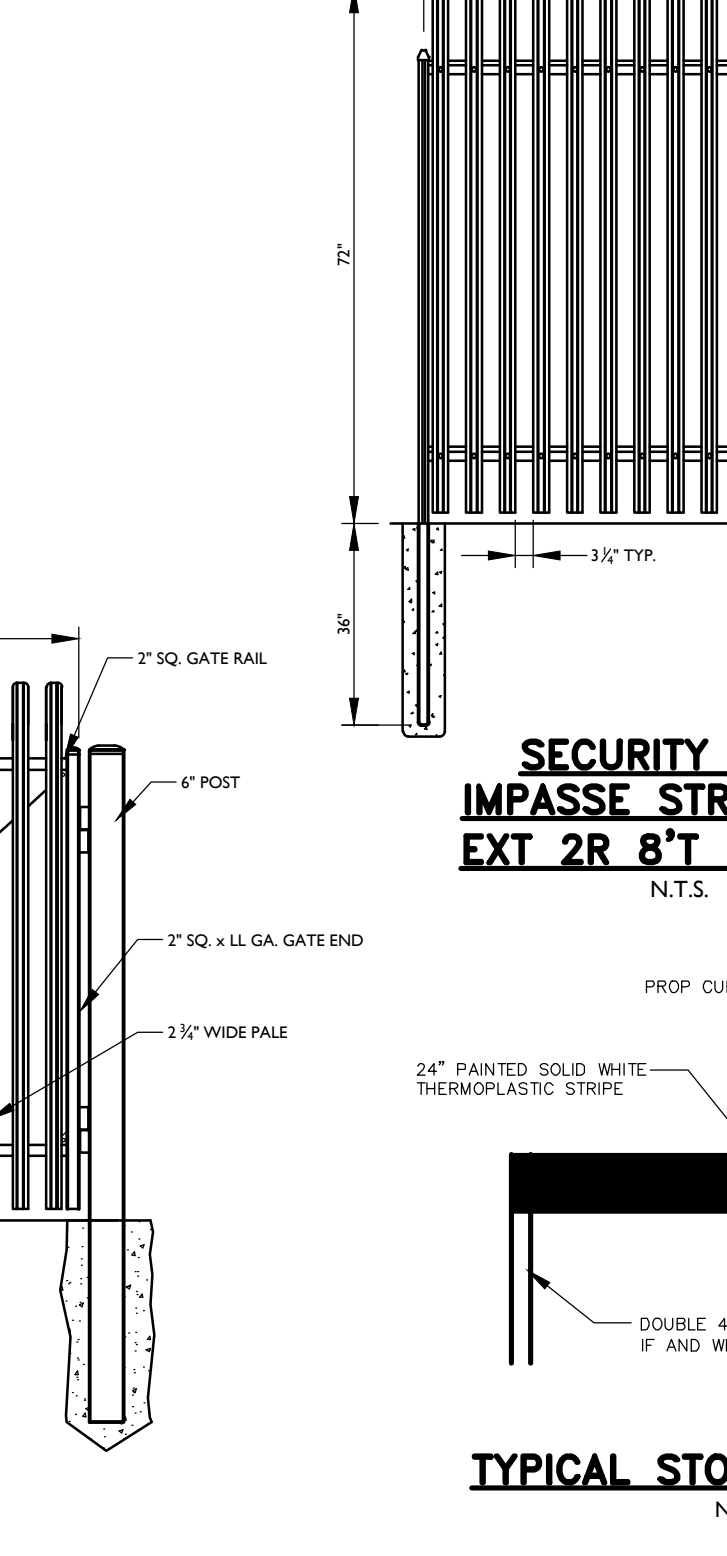
FLARED GUIDE RAIL TERMINAL AND TANGENT TERMINAL

CONSTRUCTION DETAILS

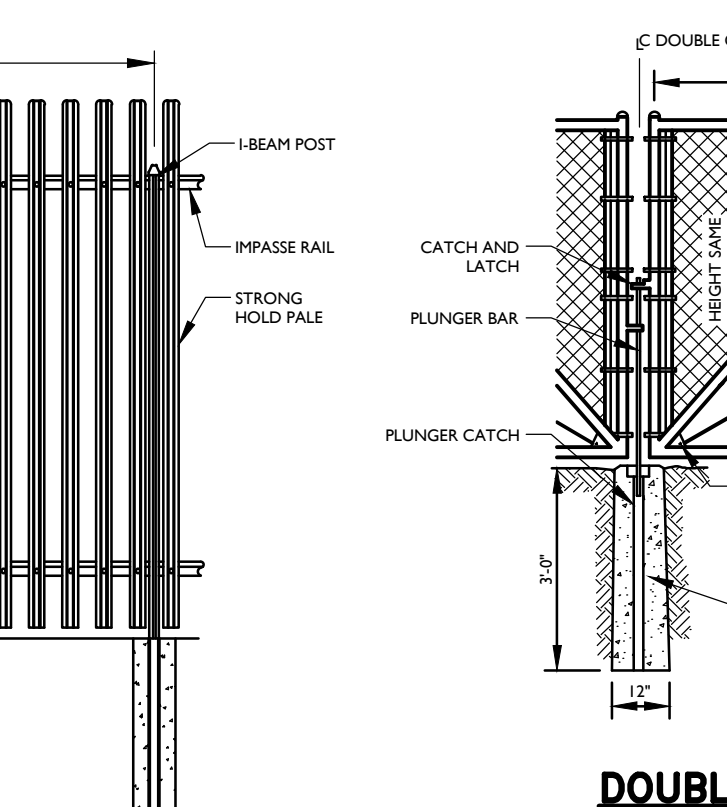
NOTE: WOOD POSTS SHALL BE CONSTRUCTED USING FOUNDATION TUBES.

NOTE: NUMBER OF POSTS, TYPE OF POST, POST SPACING, PLATE SIZE AND MATERIAL SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND THE DEPARTMENT'S QUALIFIED PRODUCTS LIST.

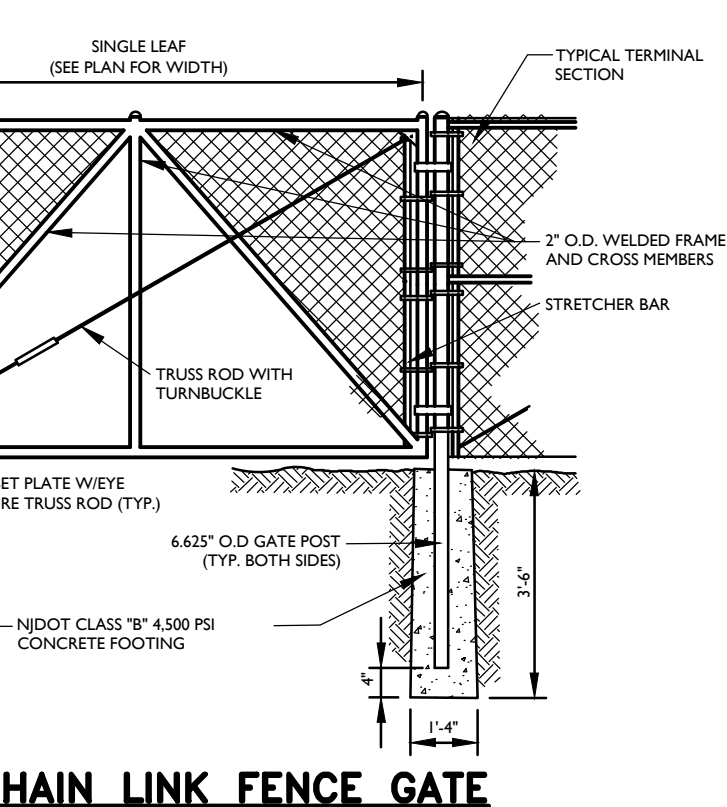
SECURITY FENCE IMPASSE STRONGHOLD EXT 2R 8\"/>



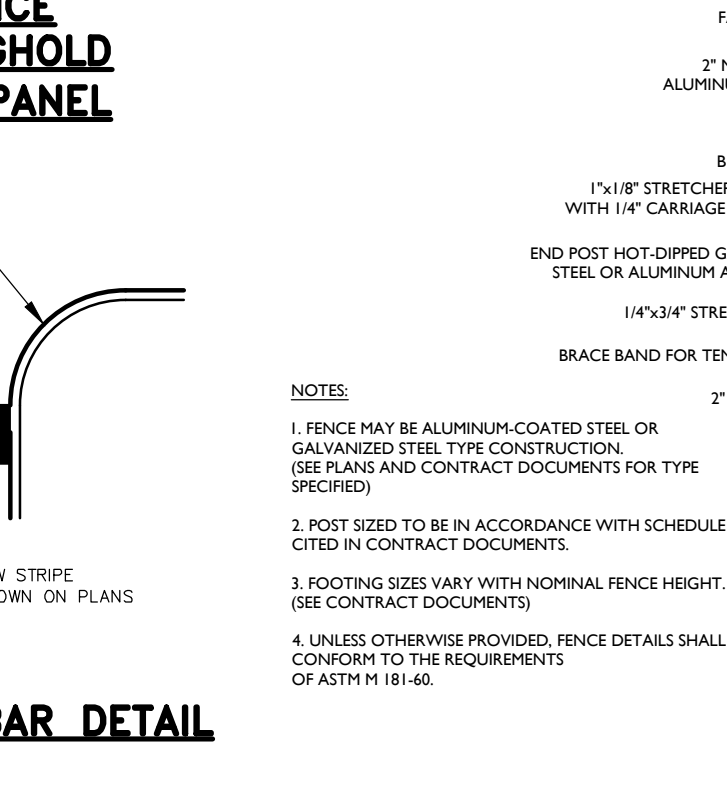
TYPICAL STOP BAR DETAIL



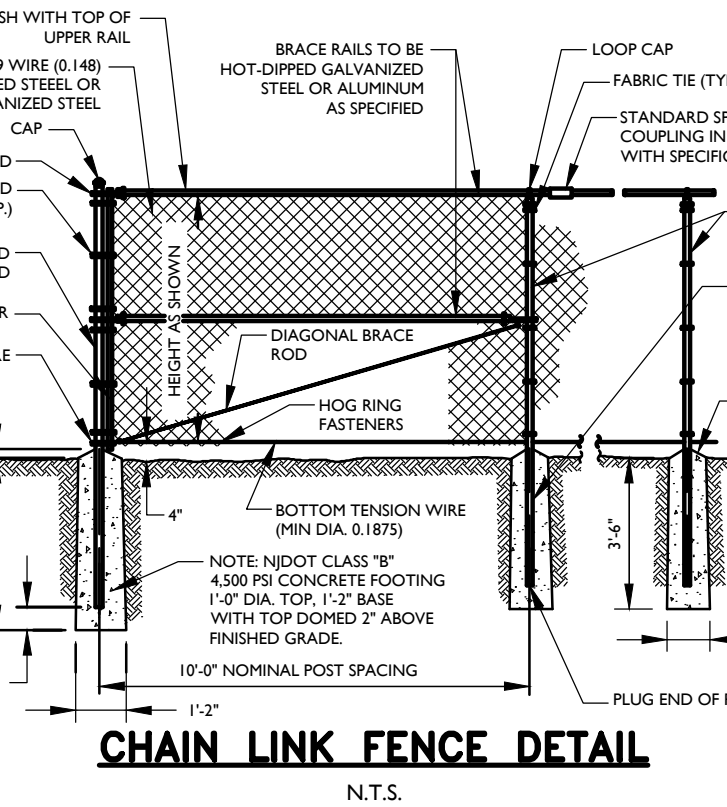
DOUBLE CHAIN LINK FENCE GATE



CHAIN LINK FENCE DETAIL



SECURITY GATE IMPASSE STRONGHOLD STEEL GATE-SPECIAL



TYPICAL STOP BAR DETAIL

Colliers Engineering & Design
www.colliersengineering.com
Copyright © 2023 Colliers Engineering & Design, Inc. All rights reserved. The drawing and all the information contained herein is authorized for use only by the party to whom the information was originally provided. It is not to be used for any other purpose without the express written consent of Colliers Engineering & Design.

MASER
Doing Business as

811
Call before you dig.
Know what's below.
Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EDUCATORS, ENGINEERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANSWERS IN 90 SECONDS

REV	DATE	DESCRIPTION
1	05/01/2023	ISSUED FOR PERMITS
2	05/01/2023	REVISIONS
3	05/01/2023	REVISIONS
4	05/01/2023	REVISIONS

Daniel W. Busch
NEW JERSEY LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: GE42093
COLLIERS ENGINEERING & DESIGN, INC.
N.J. C.O. #: 24624798690

PHASE 1A BASS PRO BUILDING SITE
FOR SAYREVILLE SEAPORT ASSOCIATES

BLOCK 257.02
LOT 7

BOROUGH OF SAYREVILLE
MIDDLESEX COUNTY
NEW JERSEY

HOLMEDAL (Headquarters)
537 NEWTON SPRINGS ROAD,
Suite 203
Red Bank, NJ 07071
Phone: 732-383-1950
COLLIERS ENGINEERING & DESIGN, INC.
DOWNS BLDG #4000 NEW JERSEY

Colliers Engineering & Design

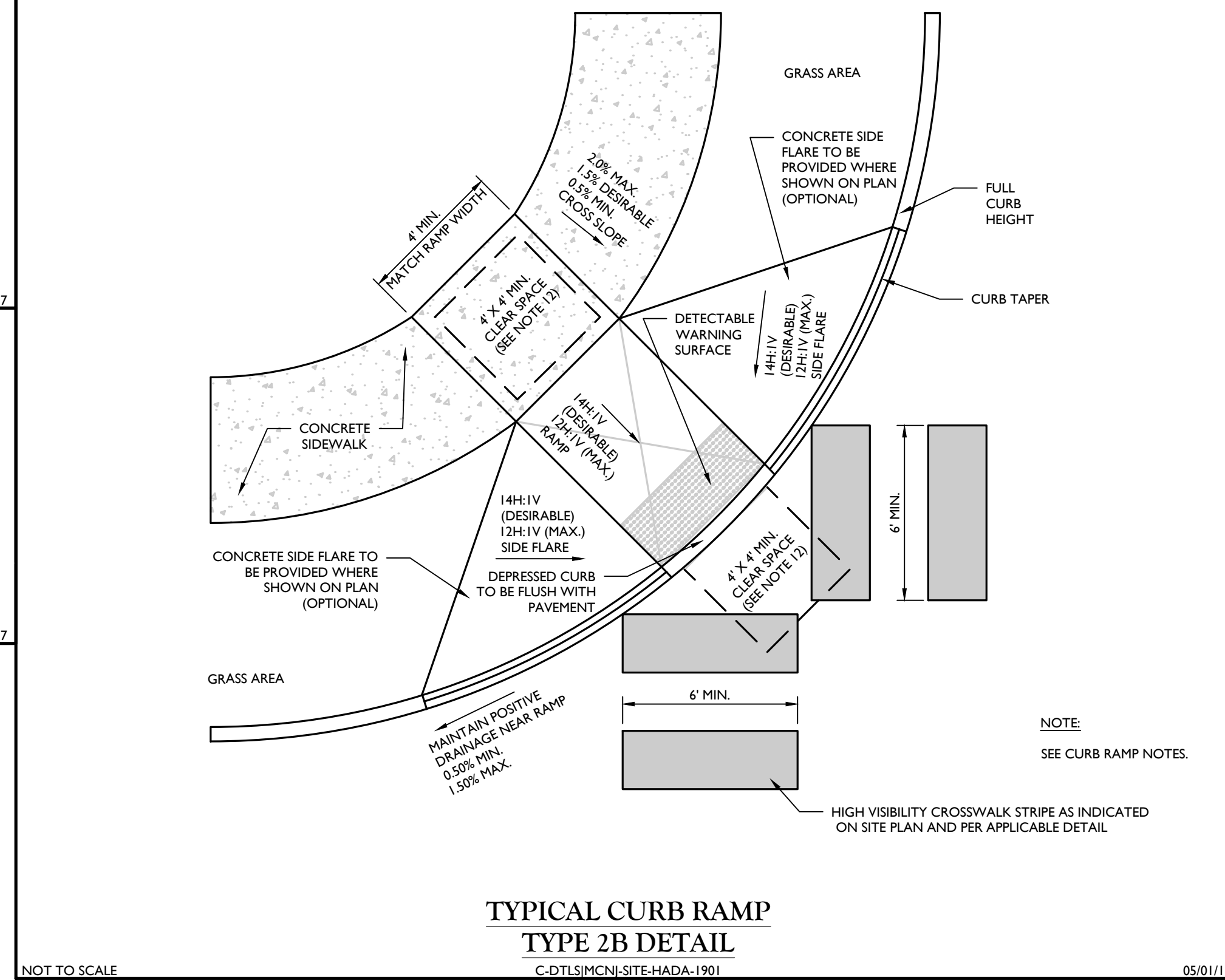
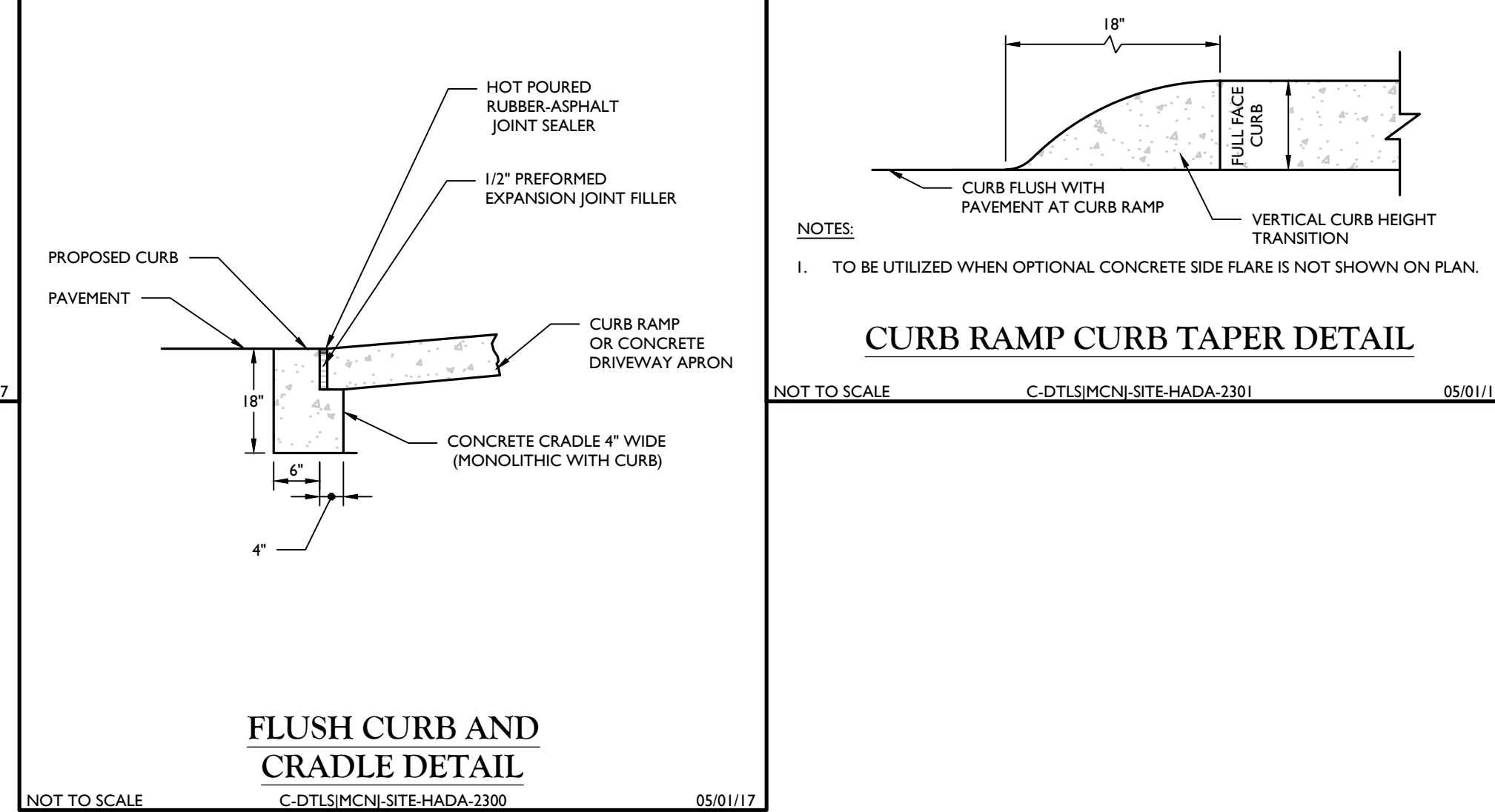
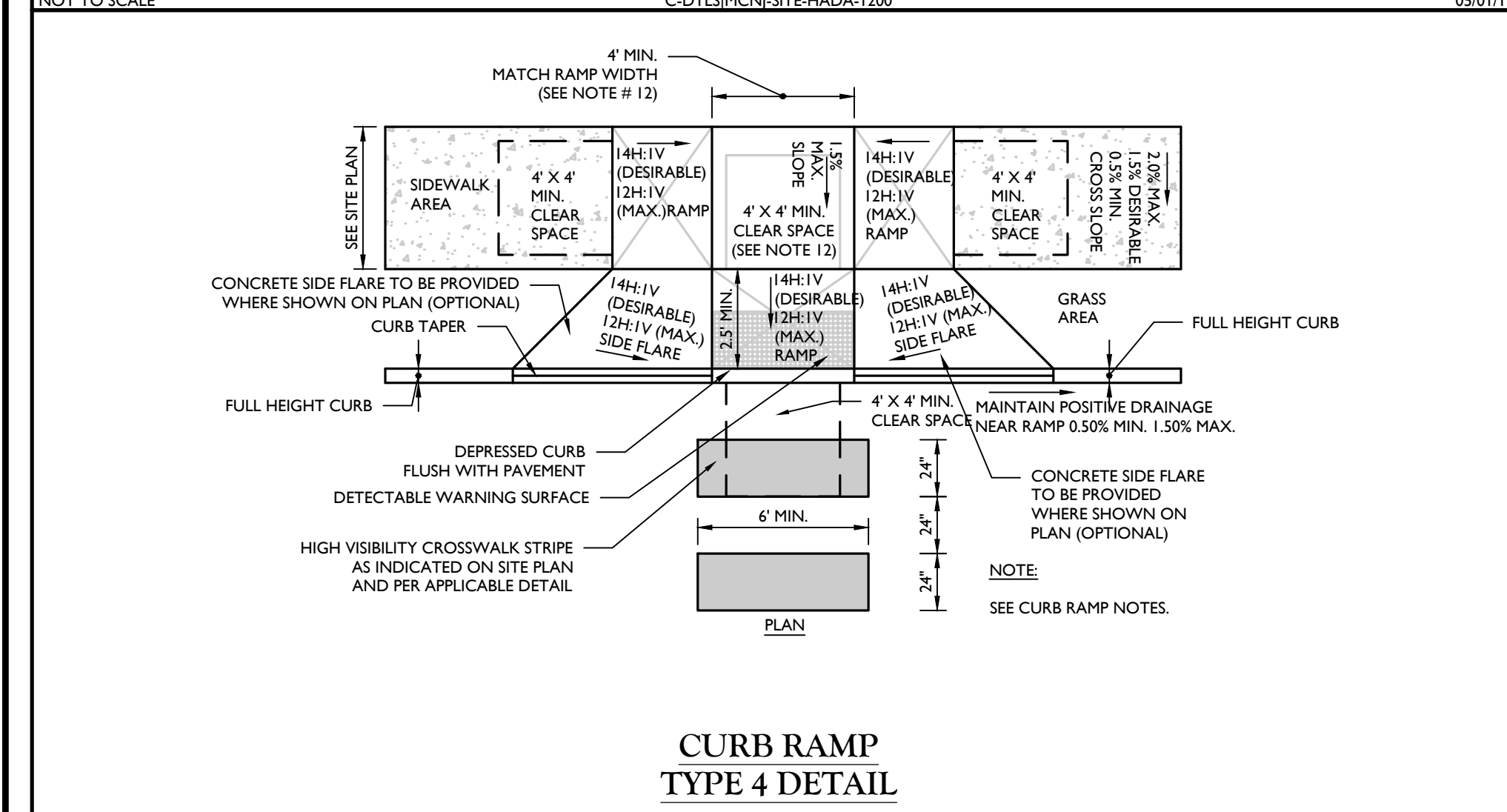
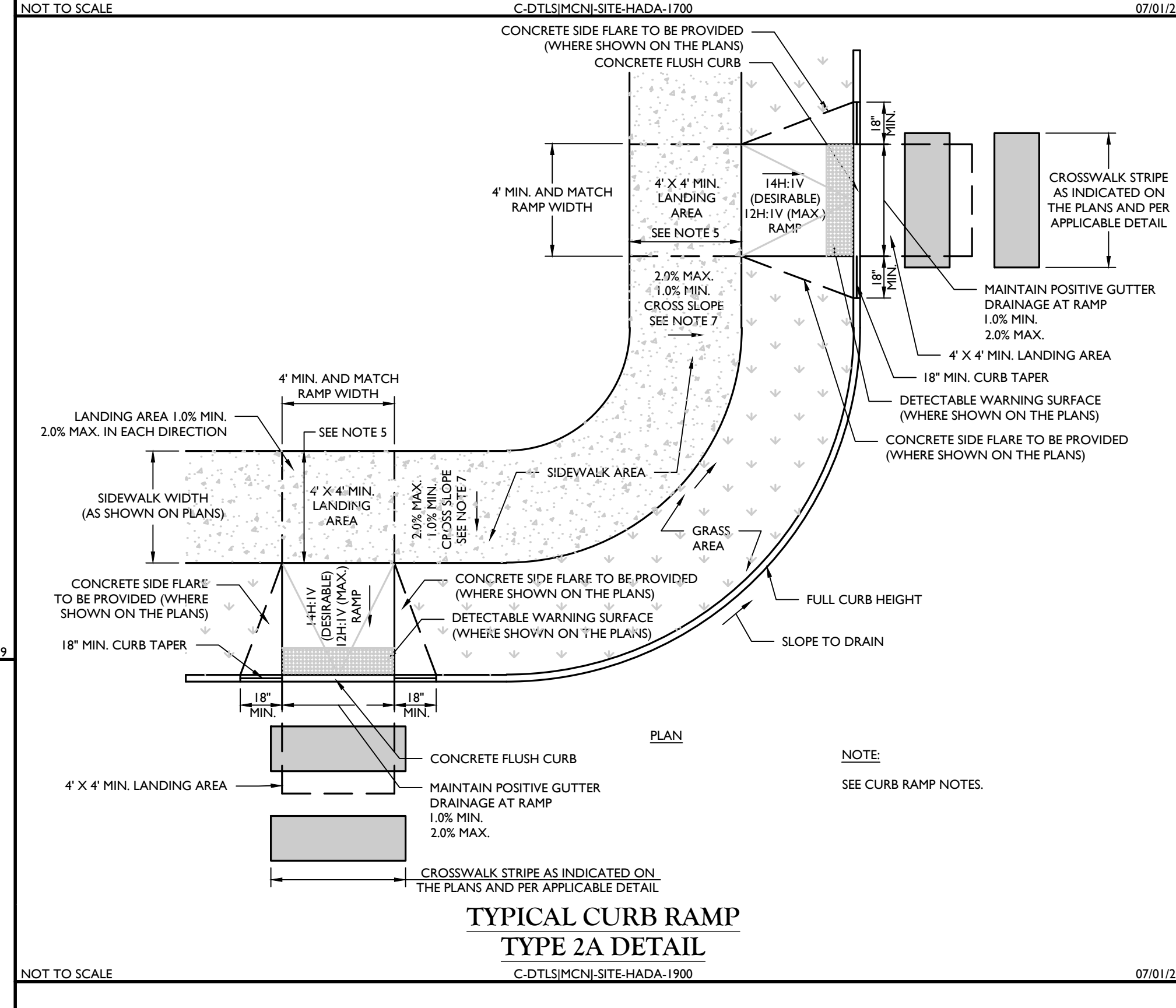
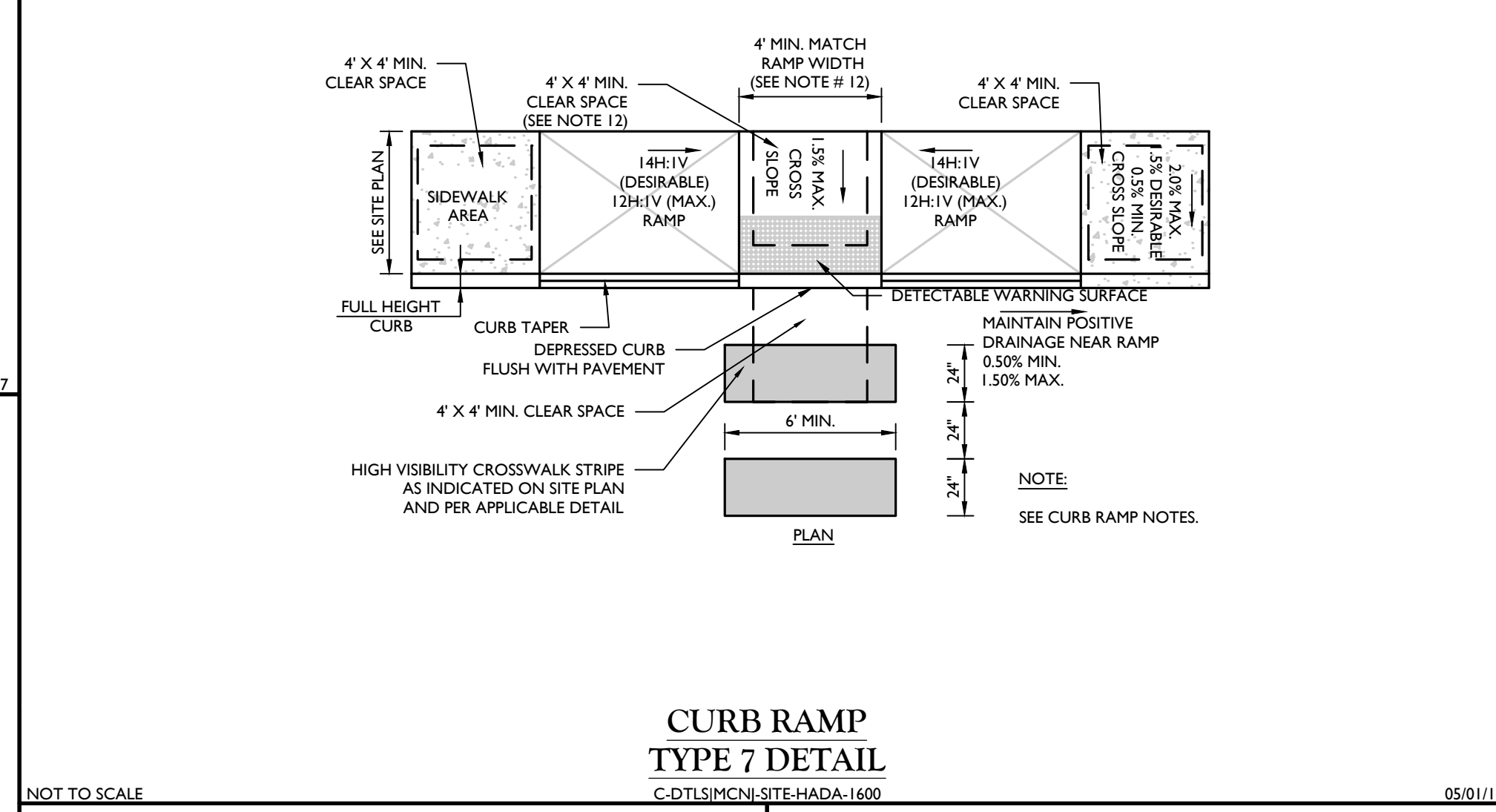
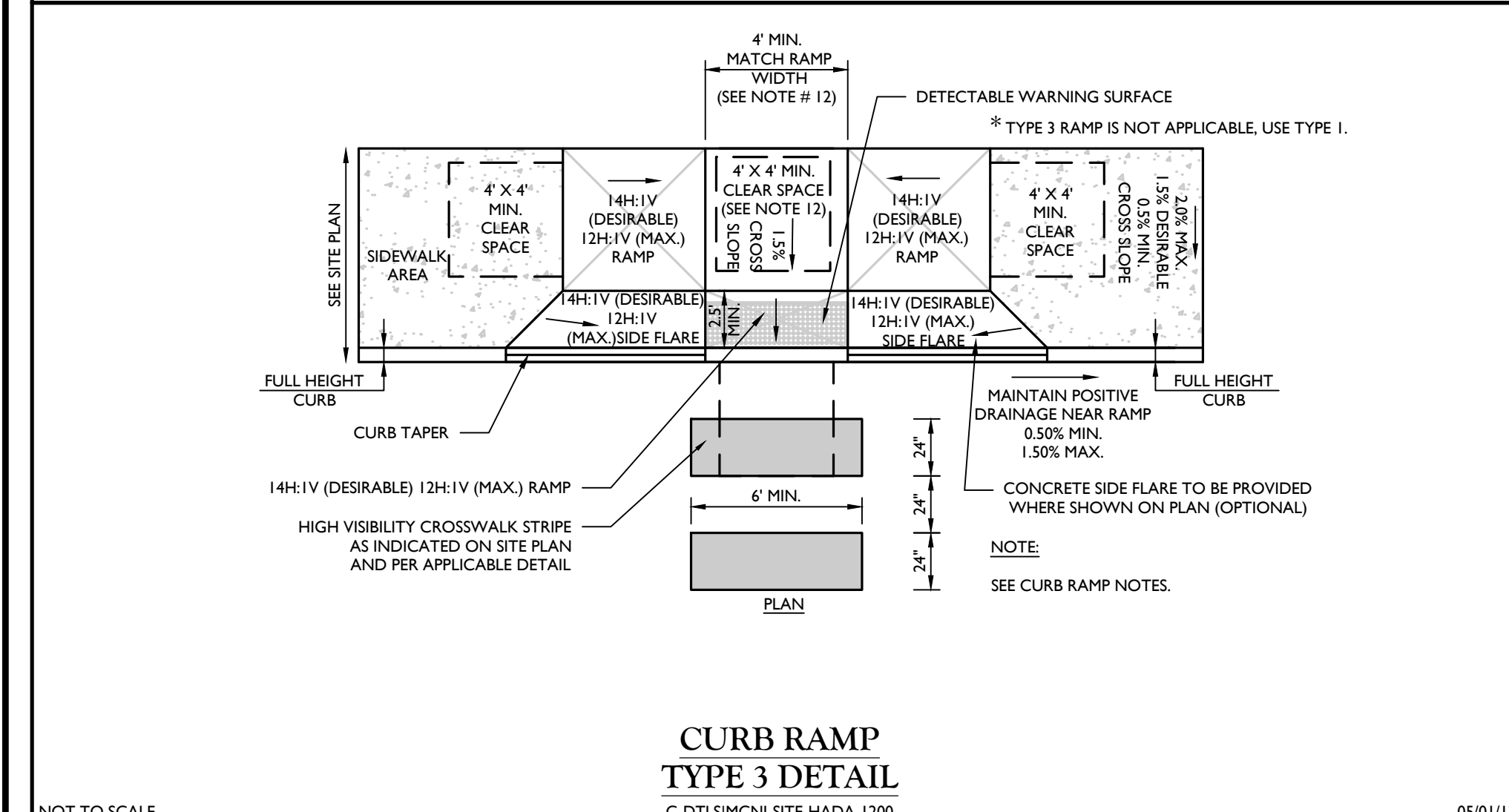
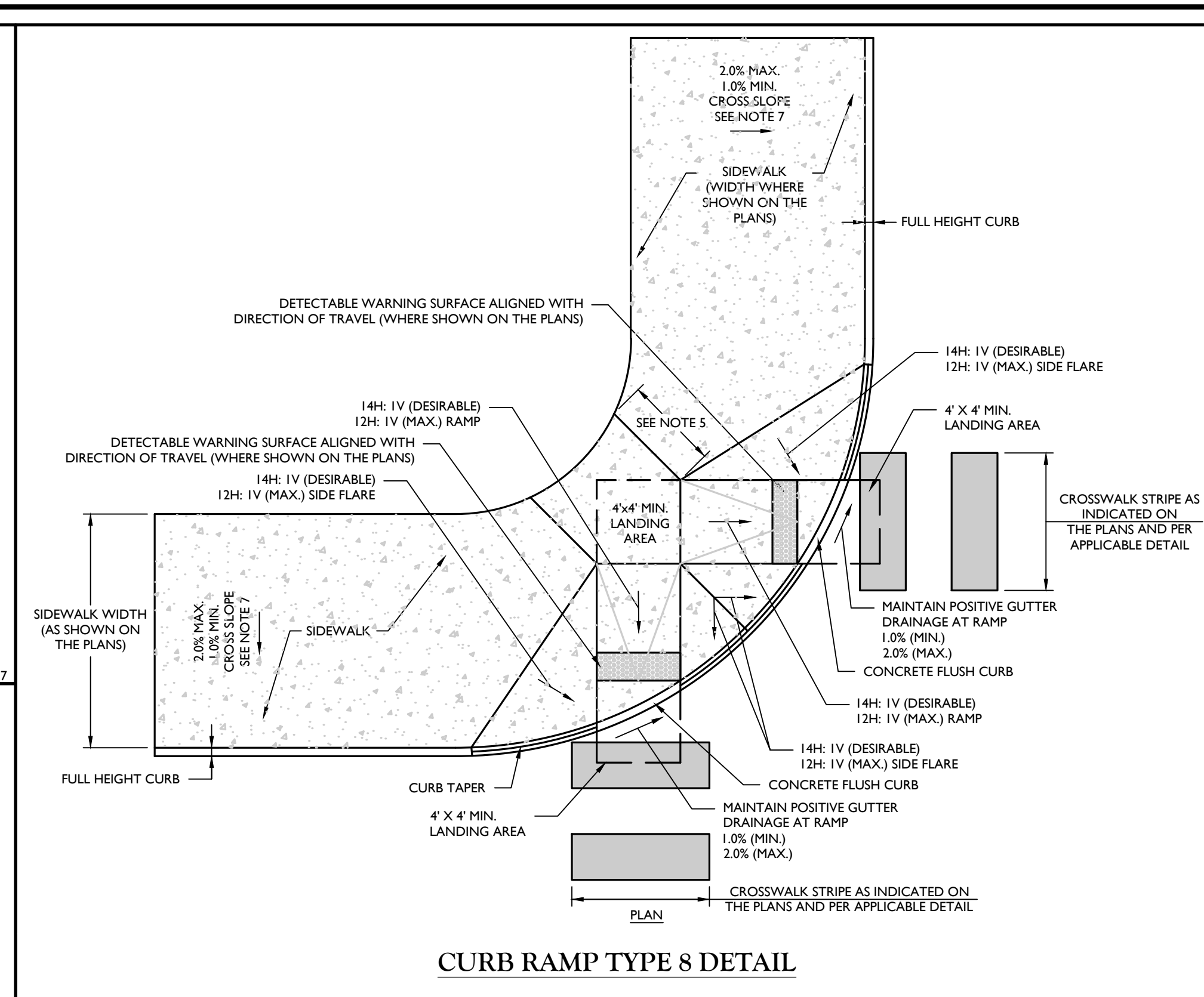
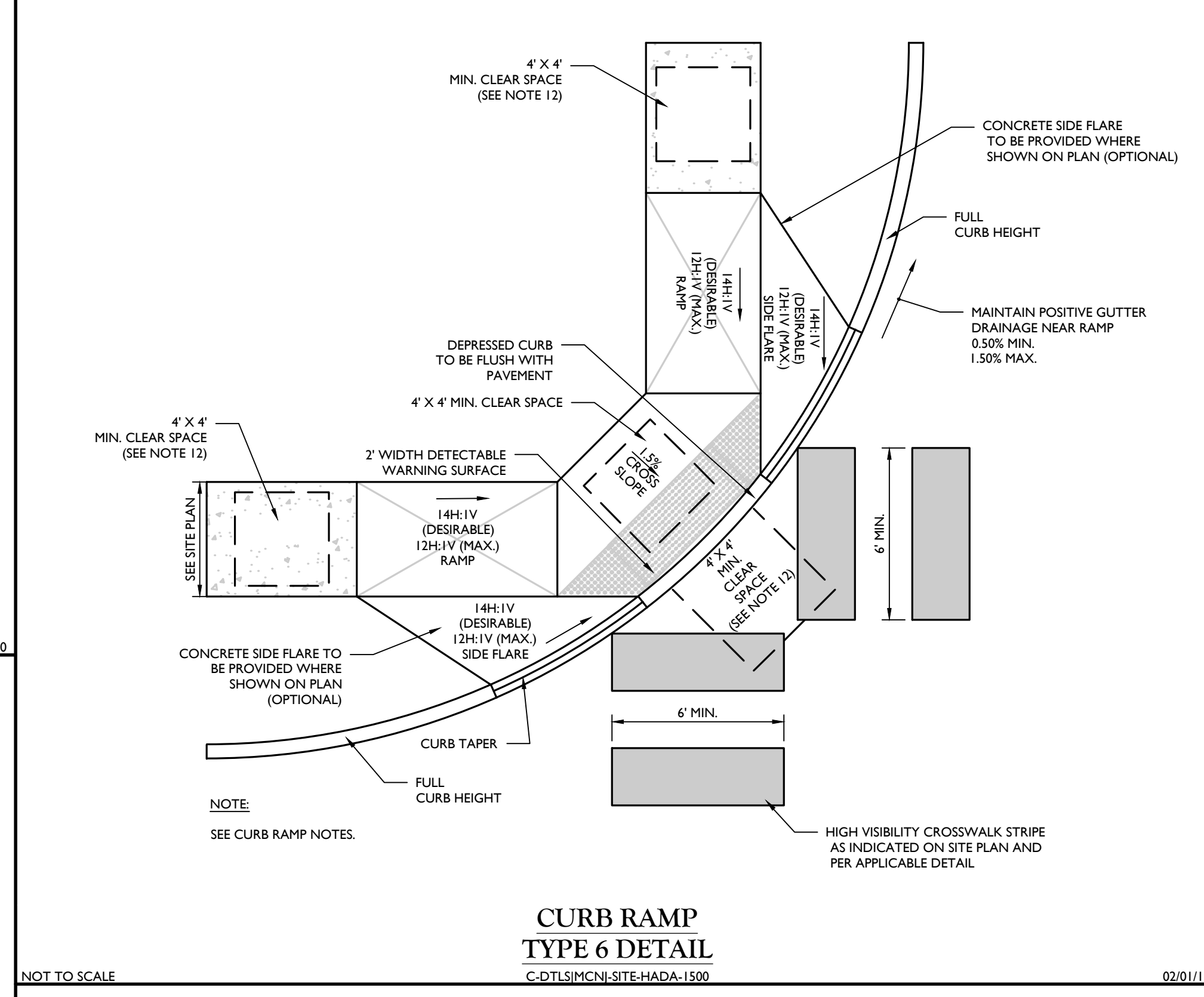
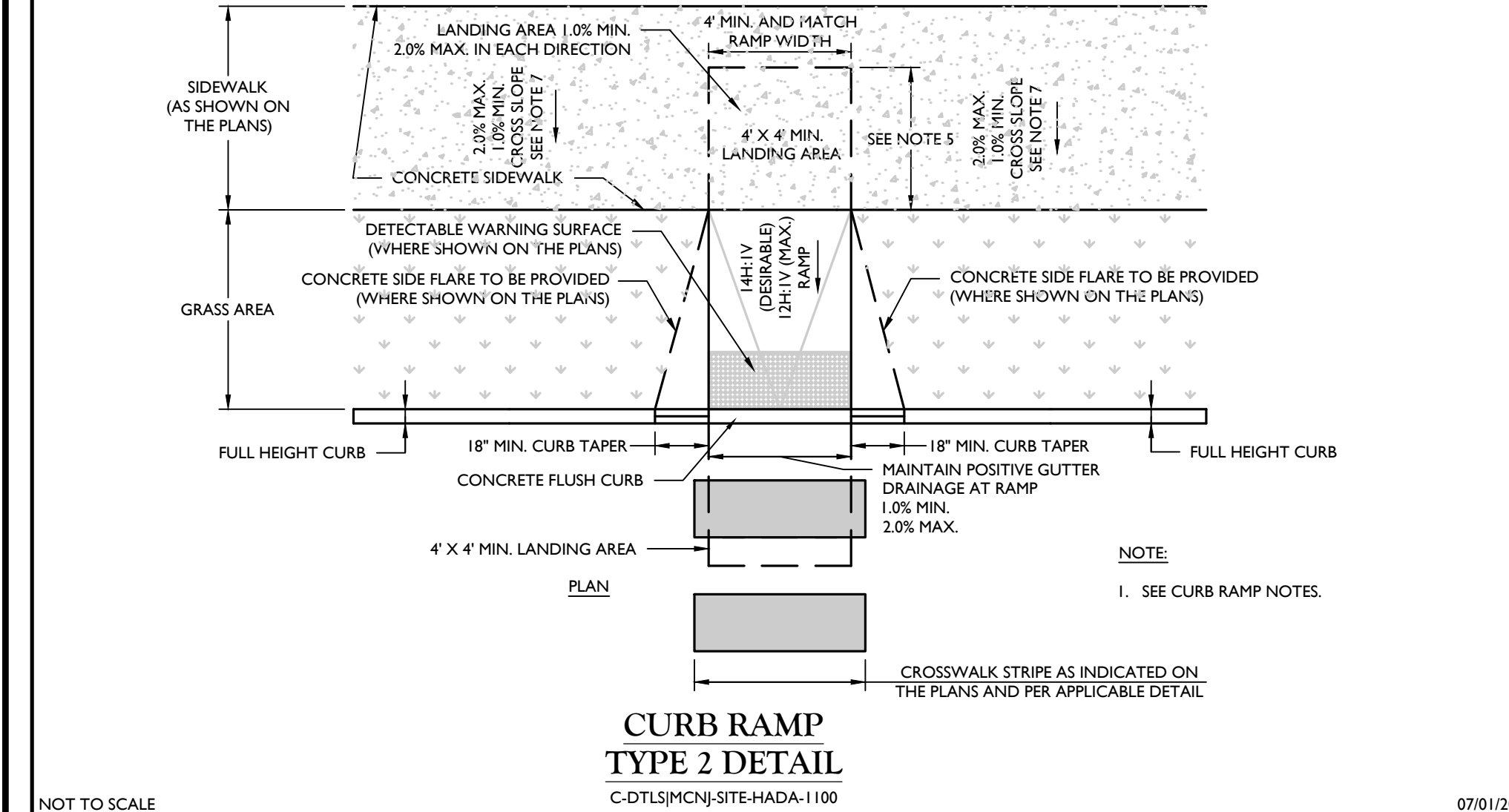
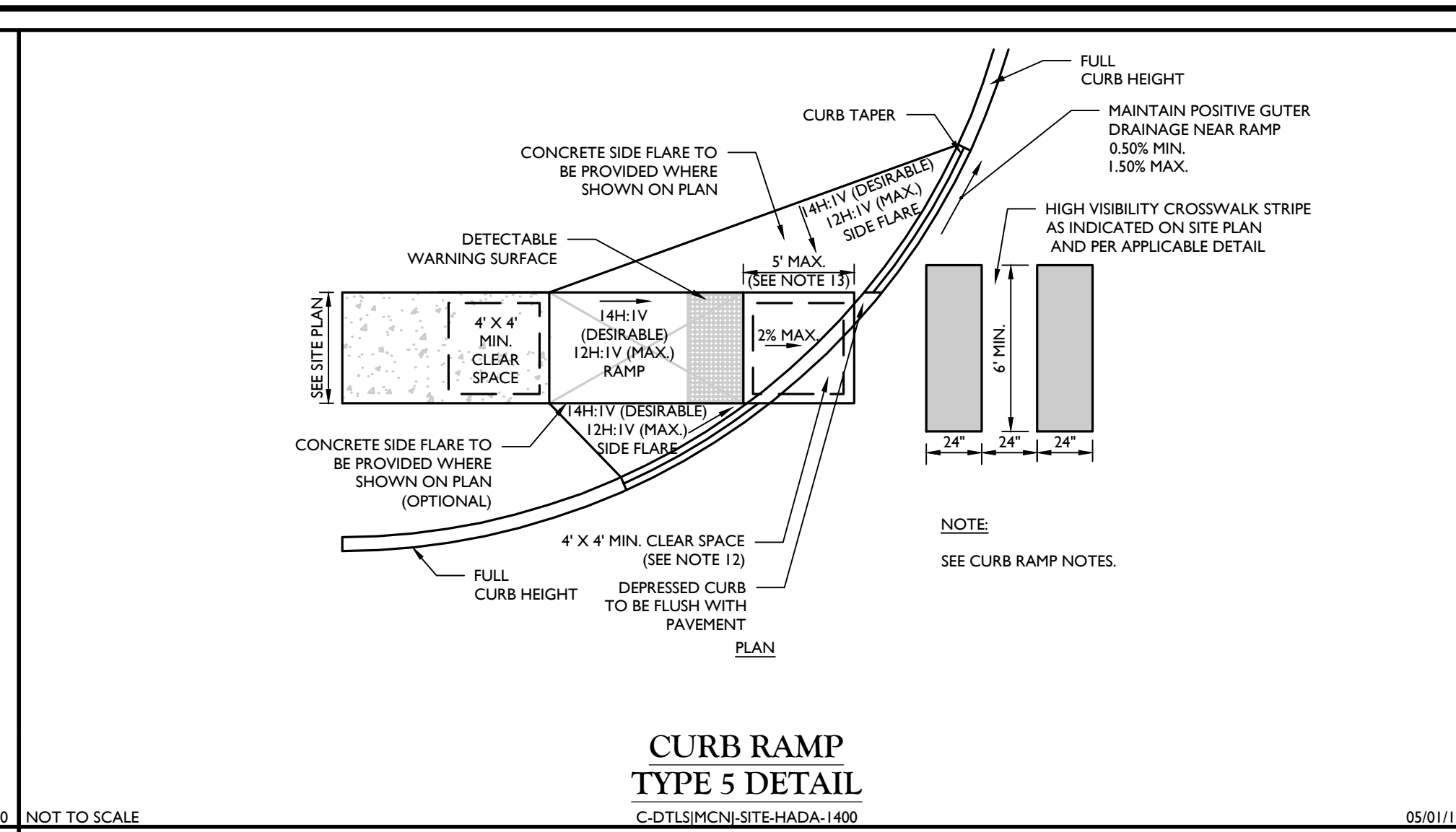
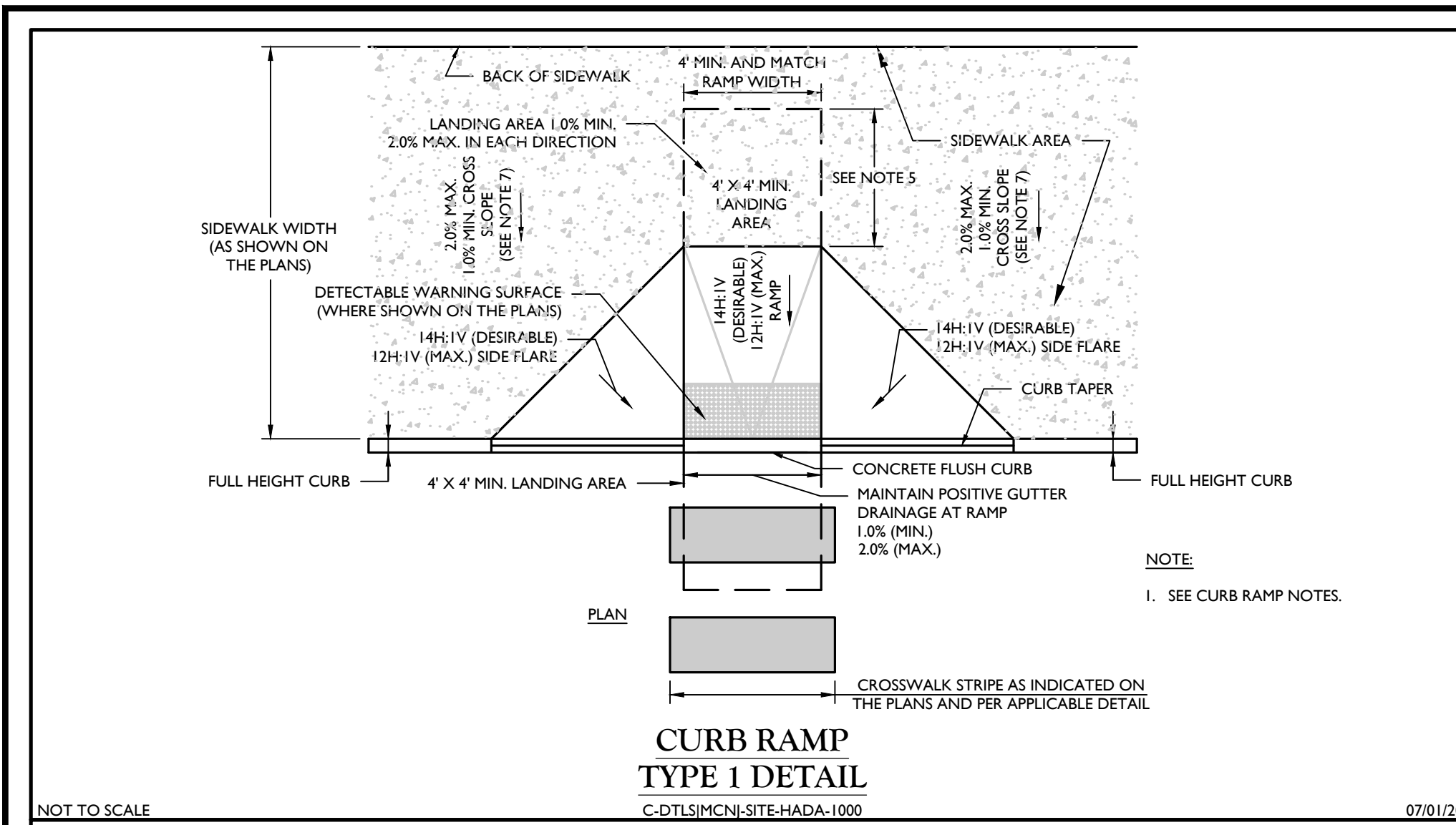
SCALE	DATE	DRAWN BY	CHECKED BY
AS SHOWN	07/13/2023	RM	DWB

PROJECT NUMBER: 05000509f
DRAWING NUMBER: C-DTSL-BASS-PRO-ASP

CONSTRUCTION DETAILS

SHEET NUMBER: 25 of 26

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



ADA INSTRUCTIONS TO CONTRACTOR

C-DTSLMCH-SITE-HADA-2600 07/01/20

- NOTES:**
- CONTRACTOR MUST EXERCISE APPROPRIATE CARE AND PRECISION IN CONSTRUCTION OF ADA COMPLIANT COMPONENTS FOR THIS STEEP PROJECT. THESE COMPONENTS, AS CONSTRUCTED, MUST COMPLY WITH THE LATEST FEDERAL ADA STANDARDS FOR ACCESSIBLE DESIGN AND CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY MUST COMPLY WITH THE LATEST FEDERAL PROPOSED "ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY" (PROWAG).
 - FINISHED SURFACES ALONG THE ACCESSIBLE ROUTE OF TRAVEL FROM PARKING SPACE, PUBLIC TRANSPORTATION, PEDESTRIAN ACCESS, INTER-BUILDING ACCESS, TO POINTS OF ACCESSIBLE BUILDING ENTRANCES, MUST COMPLY WITH THESE ADA CODE REQUIREMENTS AND ANY SUPPLEMENTAL STATE REQUIREMENTS. THESE INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
 - (NOTE THIS LIST IS NOT INTENDED TO CAPTURE EVERY APPLICABLE FEDERAL, STATE AND LOCAL RULE AND REGULATION. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THE LAW, WHETHER OR NOT SPECIFIED SPECIFICALLY HEREIN):
 - A. PARKING SPACES AND PARKING AISLES - SLOPE MUST NOT EXCEED 1:48 (1/4\"/>
 - LANDINGS
 - I. LANDINGS AT CURB RAMPS - MUST BE 4 FT. MIN., X 4 FT. MIN. AND ARE TO BE INCREASED TO 5 FEET WHERE THE LANDING SPACE (TURNING SPACE) IS CONSTRAINED AT THE BACK OF THE SIDEWALK.
 - II. LANDINGS AT RAMPS - MUST BE 5 FT. MIN. IN THE DIRECTION OF TRAVEL AND BE PROVIDED AT EACH END OF THE RAMP. MUST PROVIDE POSITIVE DRAINAGE (1/4\"/>
 - PATH OF TRAVEL ALONG ON-SITE ACCESSIBLE ROUTE - MUST PROVIDE A 36 INCH (EXCLUDING THE CURB) OR GREATER UNOBSTRUCTED WIDTH OF TRAVEL (CAR OVERHANGS MUST NOT REDUCE THIS MINIMUM WIDTH). IN A PUBLIC RIGHT-OF-WAY, THE MINIMUM WIDTH EXCLUDING THE CURB IS 4 FT. THE SLOPE MUST BE NO GREATER THAN 1:20 (5.0%) IN THE DIRECTION OF TRAVEL, AND MUST NOT EXCEED 1:48 (1/4\"/>
 - WHERE PATH OF TRAVEL WILL BE GREATER THAN 1:20 (5.0%), AN ADA RAMP WITH A MAXIMUM SLOPE OF 1:12 (8.3%), FOR A MAXIMUM RISE OF 30 INCHES, MUST BE PROVIDED. THE RAMP MUST HAVE A MINIMUM CLEAR WIDTH OF 36 INCHES, HAVE ADA HAND RAILS AND LANDINGS (MIN. 5 FT. LONG IN THE DIRECTION OF TRAVEL) ON EACH END THAT ARE SLOPED A MIN. 1% AND NO MORE THAN 1:48 (1/4\"/>
 - EXTERIOR DOORWAYS - MUST HAVE A "LEVEL" LANDING AREA ON THE EXTERIOR SIDE OF THE DOOR THAT IS SLOPED NO MORE THAN 1/48 (1/4\"/>
 - IT IS RECOMMENDED THAT THE CONTRACTOR REVIEW THE INTENDED CONSTRUCTION WITH THE LOCAL BUILDING CODE OFFICIAL, INCLUDING WHETHER OR NOT FALL PROTECTION IS REQUIRED.
 - IT IS RECOMMENDED THAT THE CONTRACTOR CHECK THE SLOPE OF FORMWORK FOR COMPLIANCE WITH ADA STANDARDS PRIOR TO POURING CONCRETE.

- NOTES:**
- CONTRACTOR SHALL PREPARE SHOP DRAWINGS OF EACH CURB RAMP FOR SUBMISSION AND APPROVAL OF THE UNDERSIGNED PROFESSIONAL AND THE MUNICIPAL COUNTY, STATE OR OTHER AGENCY'S ENGINEER HAVING JURISDICTION.
 - LANDING AREA, APPROACH SIDEWALK TRANSITIONS AND CURB RAMP SHALL BE KEPT CLEAR OF OBSTRUCTIONS.
 - CURB AT RAMP OPENING (FLUSH CURB) TO BE FLUSH WITH ROADWAY PAVEMENT.
 - CROSSWALKS AND PAVEMENT MARKINGS TO BE INSTALLED AS DENOTED ON SITE PLAN.
 - MAXIMUM RAMP SLOPE MAY BE 12H:1V UPON APPROVAL OF ENGINEER. RAMP SLOPES SHOWN ARE THE PREFERRED SLOPE. SIDE FLARE SLOPES MAY BE 10H:1V UPON APPROVAL OF THE ENGINEER.
 - MINIMUM RAMP CROSS-SLOPE SHALL BE 0.50%. THE MAXIMUM RAMP CROSS-SLOPE MAY BE 2.00% UPON APPROVAL OF THE ENGINEER. CROSS-SLOPES SHOWN IN THE DETAILS ARE THE PREFERRED SLOPES TO MAINTAIN A LEVEL OF CONSTRUCTION TOLERANCE.
 - ACCESSIBLE RAMPS SHALL BE INSTALLED PURSUANT WITH THE CURRENT UNITED STATES ACCESS BOARD ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES AND THE ADA STANDARDS FOR ACCESSIBLE DESIGN AS PUBLISHED BY THE UNITED STATES DEPARTMENT OF JUSTICE AND OTHER APPLICABLE LOCAL AND STATE STANDARDS IN EFFECT AT THE DATE OF CONSTRUCTION.
 - DEVIATIONS FROM THE CURB RAMP DETAILS REQUIRE WRITTEN APPROVAL OF THE UNDERSIGNED PROFESSIONAL AND THE MUNICIPAL COUNTY, STATE OR OTHER AGENCY'S ENGINEER HAVING JURISDICTION.
 - THE RAMP SURFACE SHALL HAVE A NON-SLIP, HAND BROOMED FINISH.
 - CONCRETE EXPANSION JOINTS SHALL HAVE A FIRM SURFACE WITH 1/4\"/>
 - CURB RAMP MUST BE WHOLLY CONTAINED WITHIN THE CROSSWALK CROSSING.
 - THE CLEAR SPACE SHALL BE INCREASED TO 5 FEET WHERE THE TURNING SPACE IS CONSTRAINED AT THE BACK OF THE SIDEWALK.
 - THE MAXIMUM SEPARATION BETWEEN THE BACK OF CURB AND DETECTABLE WARNING SURFACE SHALL NOT EXCEED 5 FEET. THE MAXIMUM SEPARATION AREA MAY BE WITHIN THE 4' X 4' CLEAR SPACE.
 - SEE SEPARATE DETAILS FOR "DETECTABLE WARNING SURFACE" AND "CURB RAMP SECTIONS"
 - WHERE SIDE FLARES ARE NOT REQUIRED, PROVIDE AN 18\"/>
 - ALL CURB RAMP FLUSH CURB SHALL BE MADE WITH CONCRETE CURB CRADLE, REGARDLESS OF THE CURB MATERIAL USED THROUGHOUT THE SITE.

CURB RAMP NOTES
C-DTSLMCH-SITE-HADA-2500 10/01/18

Colliers
Engineering & Design
www.colliersengineering.com
Copyright © 2023 Colliers Engineering & Design, Inc. All rights reserved. The drawing and all the information contained herein is authorized for use only by the party to whom the same were issued and is subject to copyright. No part of this drawing may be copied, revised, discarded, distributed or used upon by any other person without the express written consent of Colliers Engineering & Design.

Doing Business as **MASER**
PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EDUCATORS, SUPERVISORS, OR ANY PERSON PREPARING TO OBTAIN THE EARTH'S SURFACE AND/OR STATE
Call before you dig
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL111.COM

REV	DATE	DESCRIPTION

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	07/01/2023	ISSUED FOR PERMITS	RM	RM
2	07/01/2023	REVISED PERMITS COMMENT	RM	RM
3	07/01/2023	REVISED FOR LOCAL BOARD SUBMISSION	RM	RM

Daniel W. Busch
Daniel W. Busch
NEW JERSEY LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: GE42093
COLLIERS ENGINEERING & DESIGN, INC.
N.J. C.O.A.#: 264-02798609

PHASE 1A BASS PRO BUILDING SITE
FOR
SAYREVILLE SEAPORT ASSOCIATES
BLOCK 257.02 LOT 7
BOROUGH OF SAYREVILLE MIDDLESEX COUNTY NEW JERSEY

Colliers
Engineering & Design
HOLMDEL (Headquarters)
337 Newnam Springs Road, Suite 203
Red Bank, NJ 07071
Phone: 732.983.1950
COLLIERS ENGINEERING & DESIGN, INC.
DOING BUSINESS AS MASER CONSULTING

SCALE: AS SHOWN DATE: 07/13/2023 DRAWN BY: RM CHECKED BY: DWB
PROJECT NUMBER: 050005009 DRAWING NAME: C-DTSLMCH-SITE-HADA-ASP
SHEET TITLE: CONSTRUCTION DETAILS
SHEET NUMBER: 26 of 26

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.