

**John Vesiz, AIA, CSBA**  
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**William D. Hopkins III, AIA, LEED AP**  
N.J. 210000714-01-00001  
**George R. Durhe, Jr., AIA, FP**  
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**FVH D**  
Frank Vesiz Hopkin Durhe P.C.  
Corporate: 1515 Lower Ferry Road  
Trenton, NJ 08628  
Persepolis: 140 Wickliffe Avenue  
Mont Clear - Pennsylvania 19453  
F.V.H.D.P.C.C.O.M

**Phase 1 Site Work at West Windsor-Plainsboro High School South**

**West Windsor - Plainsboro Regional School District**

**346 Clarksville Rd., West Windsor, New Jersey 08550**

**Project Number: 5063LS / 1808WW**

**Project Date: 02.20.2020**

**Checked By: GRD**

**Drawn By: R.R.F.**

**Scale: 1"=30'**

**Drawing Name: SITE PLAN**

Revisions:

| No. | Date     | Description    |
|-----|----------|----------------|
| 1   | 02.24.20 | ISSUED FOR BID |
| 2   | 03.12.20 | ADDENDUM 2     |
| 3   | 04.13.20 | CHANGE ORDER 1 |

Drawing Number: **C101**

| EXISTING | PROPOSED |
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**GENERAL NOTES**

- THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE SEARCH. THEREFORE, THIS PROPERTY MAY BE SUBJECT TO ADDITIONAL EASEMENTS, RIGHT OF WAY, EASEMENTS, ETC. AS MAY BE DISCLOSED IN A CURRENT COMPREHENSIVE TITLE SEARCH.
- DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29), BASED ON REF. MAP NO.1.
- THIS MAP REFLECTS EXISTING SITE CONDITIONS AS A RESULT OF A PARTIAL TOPOGRAPHIC FIELD SURVEY PERFORMED BY VAN CLEEF ENGINEERS ON 04/09/19.
- NO CERTIFICATION IS MADE BY VCEA AS TO THE ACTUAL UNDERGROUND POSITION OF ANY UTILITIES OR TO THE COMPLETENESS AND /OR ACCURACY OF UTILITY INFORMATION PROVIDED BY OTHERS. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATION OF ALL UNDERGROUND AND ABOVE GROUND UTILITIES PRIOR TO THE START OF ANY CONSTRUCTION ON THIS PROJECT. ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION OF ANY CONFLICTS.
- IT IS IMPERATIVE THAT THE UTILITY COMPANIES ARE NOTIFIED PRIOR TO ANY EXCAVATION AND/OR CONSTRUCTION. CALL 1-800-272-1000 TO ORDER UTILITY MARK-OUTS.
- THIS PLAN IS NOT VALID UNLESS EMBOSSED WITH THE SEAL OF THE UNDERSIGNED PROFESSIONAL ENGINEER.
- WETLANDS INFORMATION TAKEN FROM PLAN ENTITLED "BOUNDARY AND WETLANDS SURVEY FOR HIGH SCHOOL SOUTH" PREPARED BY SITE WORKS CONSULTANTS, INC. DATED 11/23/06.

**REFERENCE MAPS**

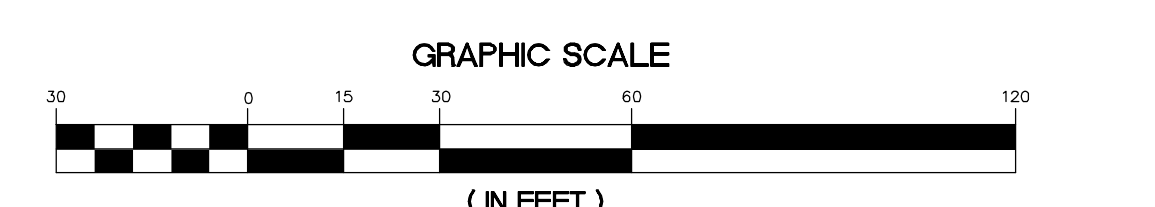
- "TOPOGRAPHIC SURVEY PLAN OF THE HIGH SCHOOL SOUTH FOR THE WEST WINDSOR - PLAINSBORO BOARD OF EDUCATION" AS PREPARED BY SITEWORKS CONSULTANTS INC. REV. 8/15/06 AND MARKED AS FILE 50-1.
- "BOUNDARY AND WETLANDS SURVEY OF THE HIGH SCHOOL SOUTH FOR THE WEST WINDSOR - PLAINSBORO BOARD OF EDUCATION" AS PREPARED BY SITEWORKS CONSULTANTS INC. REV. 11/13/06 AND MARKED AS FILE 50-2.
- "TOPOGRAPHIC AND WETLANDS SURVEY FOR THE WEST WINDSOR - PLAINSBORO HIGH SCHOOL SOUTH, BLOCK 17.13, LOT 2, 105 & 107" AS PREPARED BY VAN CLEEF ENGINEERING ASSOCIATES DATED NOV. 9, 2018.
- ADDITIONS AND ALTERATIONS TO THE HIGH SCHOOL SOUTH FOR THE WEST WINDSOR - PLAINSBORO BOARD OF EDUCATION PREPARED BY VAN CLEEF ENGINEERING ASSOC. DATED 2/17/07 C109R
- ADDITIONS AND ALTERATIONS TO THE HIGH SCHOOL SOUTH FOR THE WEST WINDSOR - PLAINSBORO BOARD OF EDUCATION PREPARED BY FAREY THORNE MADDOX P.A. DATED 3/30/89.

**CONSTRUCTION NOTES**

- CONTRACTOR TO PROVIDE SECURE STAGING AREA ON-SITE. LOCATION TO BE AGREED UPON BY SCHOOL.
- CONTRACTOR TO PROVIDE EMERGENCY ACCESS TO SCHOOL AT ALL TIMES.
- ANY SEDIMENT DROPPED, SPILLED OR TRACKED ON PAVED SURFACES TO BE REMOVED IMMEDIATELY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS (S) REQUIRED, INCLUDING TIE-INS.
- ALL SOIL SHALL STAY ON-SITE. NO EXCAVATED SOIL SHALL BE REMOVED FROM THE SITE WITH OUT EXPLICIT WRITTEN PERMISSION FROM THE SCHOOL DISTRICT.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL ON-SITE SAFETY AND SECURITY. ALL SAFETY PRECAUTIONS MUST BE MAINTAINED AND MAINTAINED AS REQUIRED BY LOCAL, STATE AND FEDERAL AGENCIES. NO SEPARATE SAFETY PLAN SHALL BE REQUIRED FOR THIS PROJECT & SECURITY OF THE SCHOOL AND SECURITY OF THE CONTRACTOR SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- ALL DISTURBED AREAS TO BE STABILIZED WITH 5 INCHES OF TOP SOIL, SEED, FERTILIZER, LIME, MULCH AND TACK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE EXISTING INFRASTRUCTURE. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY AND ALL OF THE EXISTING INFRASTRUCTURE THE CONTRACTOR DAMAGED DURING THE PROJECT AT HIS ADDITIONAL COST.
- ALL STORM SEWER PIPE LENGTHS SHOWN ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
- THE CONCRETE SIDEWALK TO BE ADA COMPLIANT WITH A MAX. CROSS SLOPE OF 2:100 AND A MAX. RAMPING SLOPE OF 1:50. SIDEWALK WITH A RAMPING SLOPE GREATER THAN SIX PERCENT SHALL BE ADA COMPLIANT HANDRAIL. NO SIDEWALK SHALL HAVE A RAMPING SLOPE GREATER THAN SIX PERCENT.
- CONTRACTOR TO USE CARE WHILE DRIVING CONSTRUCTION VEHICLES OVER EXISTING CURBS AND SIDEWALKS NOT DESIGNATED TO BE REMOVED. ANY DAMAGE TO CURBS, SIDEWALK OR LAWN AREAS SHALL BE RESTORED BY-KIND BY THE CONTRACTOR AT HIS ADDITIONAL COST.
- UNDERGROUND UTILITIES SHOWN ARE BASED ON PHYSICAL EVIDENCE FOUND PRIOR TO CONSTRUCTION. CONTRACTOR SHALL DETERMINE THE LOCATION AND DEPTH OF THE EXISTING UTILITY TO WHICH THE CONNECTION IS BEING MADE BEFORE LAYING PIPE. CONSULT ETC. DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IN WRITING IMMEDIATELY. THE CONSTRUCTION OF ITEMS MEET OR EXCEED EXISTING STRUCTURES, SUCH AS CURBS, PAVEMENT, SIDEWALK, UTILITIES, ETC. THE CONTRACTOR FOR SUPERSEDES EXISTING STRUCTURES, UTILITIES, ELEVATION AND LOCATION OF THE EXISTING FEATURES PRIOR TO CONSTRUCTION. DISCREPANCIES SHALL BE REPORTED TO THE ATTENTION OF THE ENGINEER. TEST PITS TO BE PERFORMED AS REQUIRED AT NO ADDITIONAL COST.
- ALL LOAD-BEARING FILL SHOULD BE CONTROLLED FILL. CONTROLLED FILL SHOULD BE PLACED IN LOOSE HORIZONTAL LAYS WITH MAXIMUM THICKNESS OF 12" WITH ROLLERS. CONTROLLED FILL SHOULD BE CONTROLLED FILL WITH THE CONTRACTOR TO BE RESPONSIBLE FOR THE PROPER PLACEMENT AND COMPACTING OF THE FILL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER PLACEMENT AND COMPACTING OF THE FILL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER PLACEMENT AND COMPACTING OF THE FILL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER PLACEMENT AND COMPACTING OF THE FILL.
- CONTRACTOR SHALL REFER TO PHASING PLANS FOR SEQUENCE OF CIVIL SITE WORK.
- CONTRACTOR WITHIN A FEET FROM THE EXISTING FACILITIES SHOULD BE CONSIDERED USING A LIGHT COMPACTOR SUCH AS A TAMPER WITHIN 6" DEPTH NOT TO EXCEED ANY DAMAGE. THE SOIL SHOULD BE COMPACTED TO AT LEAST THE SAME MAINTAIN DENSITY AS DETERMINED BY THE MOISTURE PROCTOR TEST (ASTM D 1557).
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURVEY WORK REQUIRED TO STAKE OUT SITE FEATURES DURING CONSTRUCTION.
- ADEQUATE TEMPORARY AND PERMANENT CONTROL OF SURFACE WATER RUNOFF SHALL BE REQUIRED IN ORDER TO ALLOW SITE ACCESS, DRAINAGE AND PROTECT EXISTING UTILITIES, STRUCTURES, AND ADJACENT PROPERTY. CONSTRUCTION SHALL BE PERFORMED IN A MANNER AND SEQUENCE THAT THE PROPOSED PAVEMENT, AS WELL AS PROPER CONTROL OF SURFACE WATER, WILL BE MAINTAINED THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER PLACEMENT AND COMPACTING OF THE FILL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER PLACEMENT AND COMPACTING OF THE FILL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER PLACEMENT AND COMPACTING OF THE FILL.
- THE ON-SITE EXCAVATED SOILS ARE GENERALLY CONSIDERED SUITABLE FOR USE AS STRUCTURAL FILL. IT SHOULD BE CONTROLLED FILL WITH THE CONTRACTOR TO BE RESPONSIBLE FOR THE PROPER PLACEMENT AND COMPACTING OF THE FILL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER PLACEMENT AND COMPACTING OF THE FILL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER PLACEMENT AND COMPACTING OF THE FILL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER PLACEMENT AND COMPACTING OF THE FILL.
- CONTRACTOR SHALL PROVIDE ACCURATE AS-BUILT DRAWINGS FOR ALL SITE AND UTILITY WORK. AS-BUILT DRAWINGS SHALL INCLUDE ALL VERTICAL AND HORIZONTAL ELEVATIONS, SIZES, MATERIALS, AND ALL UTILITY UTILITY UTILITIES. ALL RECORD DRAWINGS AND INSTRUMENTS MUST BE PREPARED BY A LICENSED PROFESSIONAL ENGINEER. AS-BUILT DRAWINGS SHALL BE PROVIDED TO THE SCHOOL DISTRICT WITHIN 30 DAYS OF THE END OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER PLACEMENT AND COMPACTING OF THE FILL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER PLACEMENT AND COMPACTING OF THE FILL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER PLACEMENT AND COMPACTING OF THE FILL.

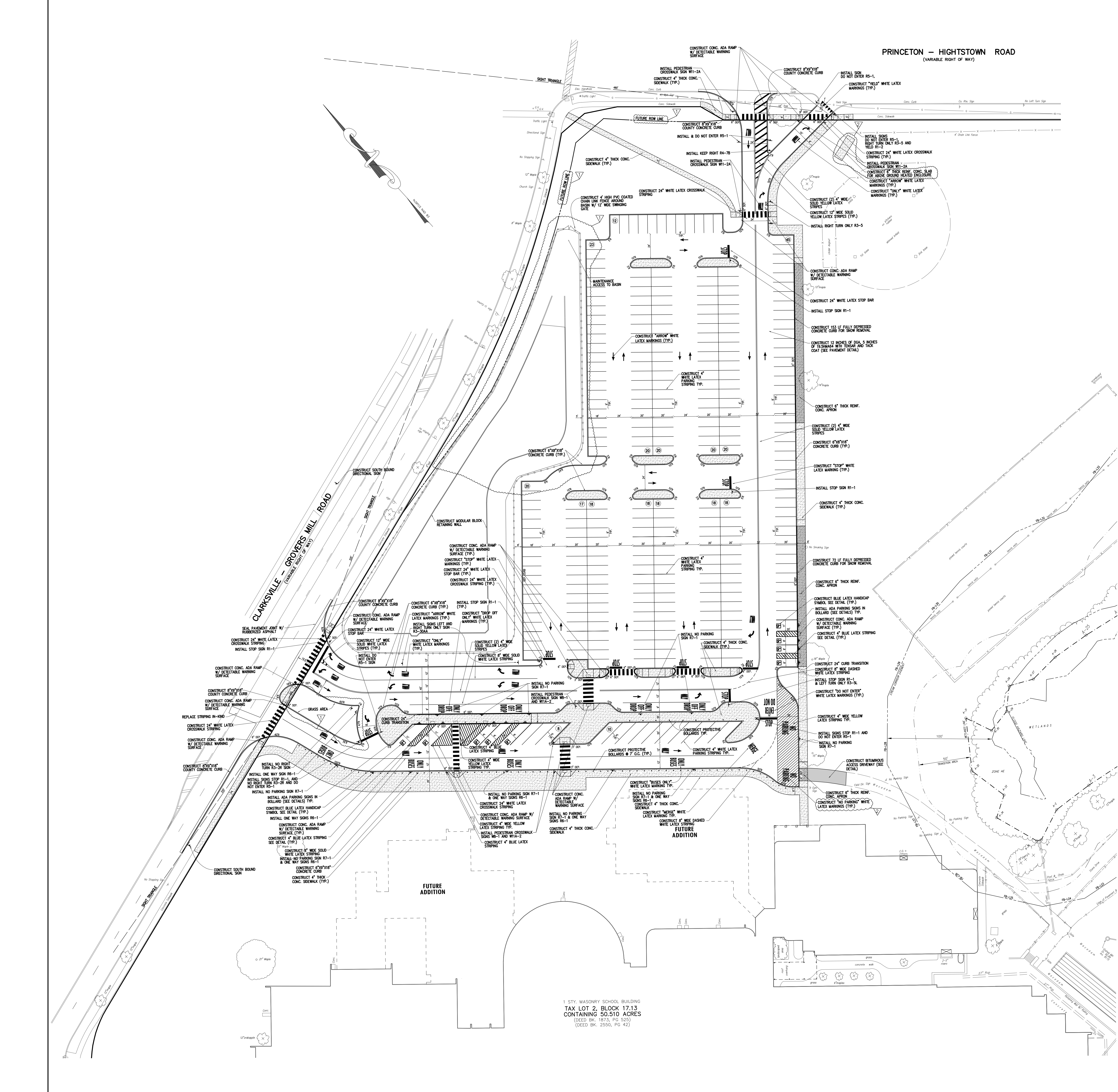
**Dig Safety**  
811  
1-800-272-1000  
EXCAVE CON SEGURIDAD  
Dig Safety

**2019 N.J.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS AMENDED OR SUPPLEMENTED SHALL GOVERN THE CONSTRUCTION OF THIS PROJECT**



**Van Cleef ENGINEERING ASSOCIATES**  
A PROFESSIONAL NEW JERSEY OFFICE  
400 CENTRAL AVENUE, SUITE 100  
TRENTON, NJ 08611  
PHONE: (609) 856-1100 FAX: (609) 856-1101  
E-MAIL: CONTACT@VANCLEEFENGINEERING.COM  
WWW.VANCLEEFENGINEERING.COM  
NJ L.L.C. CERT. NO. 24624823200

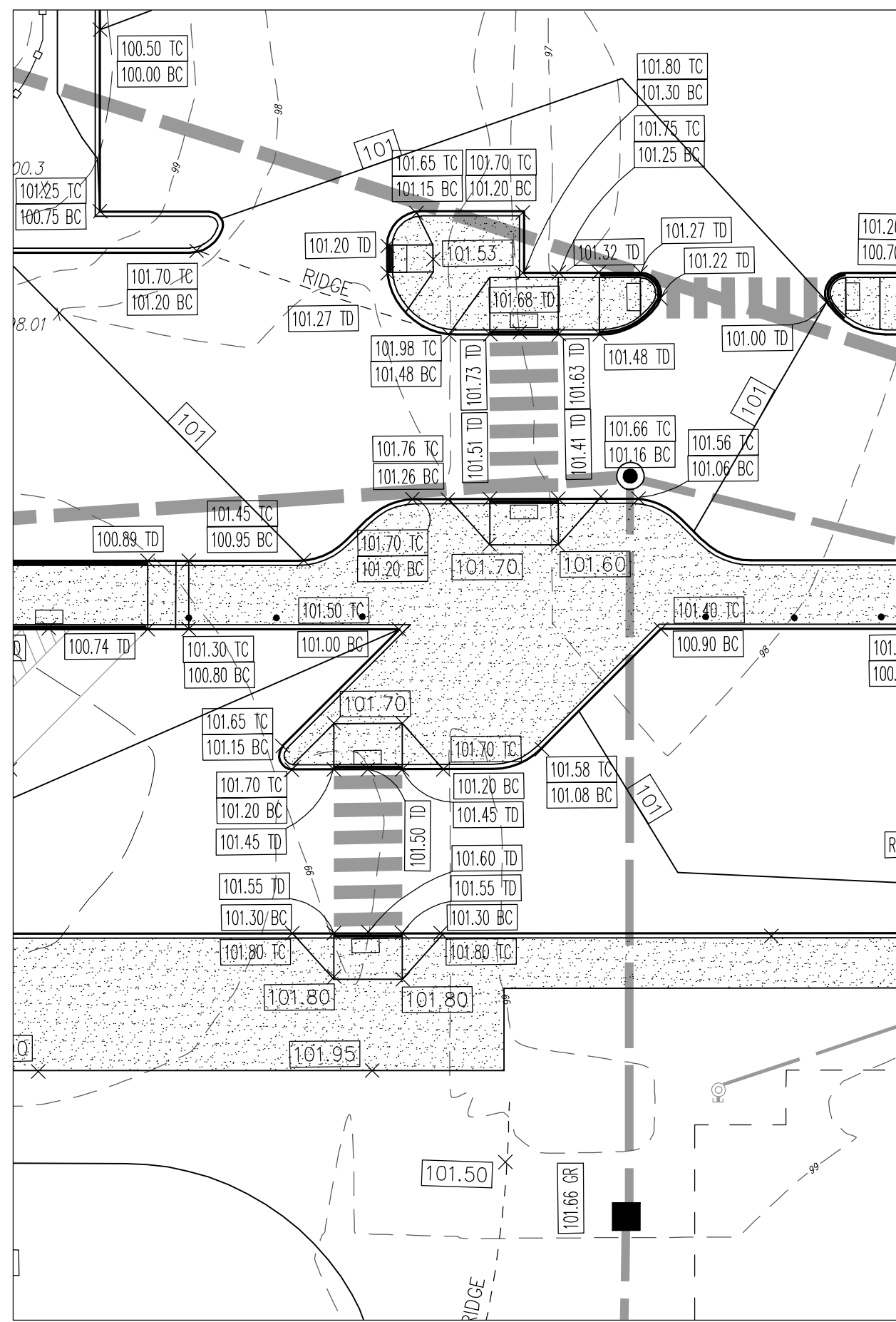
BY: **Herbert J. Seeburger, Jr.** DATE: 2/20/20  
HERBERT J. SEEBURGER, JR., N.J. PROFESSIONAL ENGINEER NO. 24220474900



1 STY. MASONRY SCHOOL BUILDING  
TAX LOT 2, BLOCK 17.13  
CONTAINING 50.510 ACRES  
(DEED BK. 1873, PG. 525)  
(DEED BK. 2550, PG. 42)

GRADING NOTES

- 1. ALL GRADES SHOWN HEREON ARE TO FINAL FINISHED GRADE (INCLUDING SURFACE COURSE PAVING)...



DETAILED GRADING PLAN SCALE: 1"=20'

PRINCETON - HIGHTSTOWN ROAD (VARIABLE RIGHT OF WAY)

LEGEND table with columns for EXISTING and PROPOSED symbols for various utilities and structures like Sanitary Sewer, Storm Sewer, Fire Hydrant, etc.

GENERAL NOTES

- 1. THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE SEARCH... 2. DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)...

REFERENCE MAPS

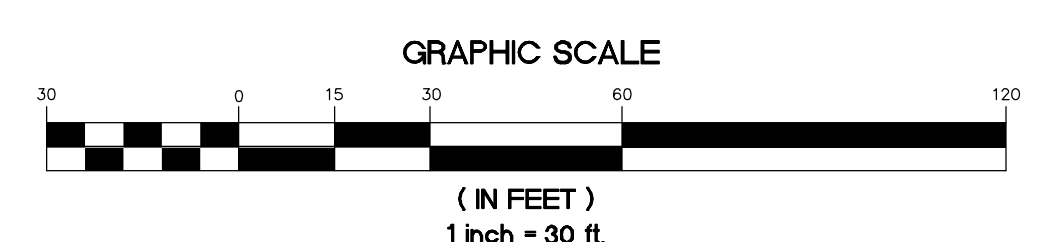
- 1. "TOPOGRAPHIC SURVEY PLAN OF THE HIGH SCHOOL SOUTH FOR THE WEST WINDSOR-PLAINSBORO BOARD OF EDUCATION"...

CONSTRUCTION NOTES

- 1. CONTRACTOR TO PROVIDE SECURE STAGING AREA ON-SITE... 2. CONTRACTOR TO PROVIDE EMERGENCY ACCESS TO SCHOOL AT ALL TIMES...

Logos for 811 Dig Safely and LLAME ANTES DE EXCAVAR (Call before you dig).

2019 N.J.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS AMENDED OR SUPPLEMENTED SHALL GOVERN THE CONSTRUCTION OF THIS PROJECT



Van Cleeves Engineering Associates logo and contact information.

BY: HERBERT J. SEEBURGER, JR. DATE: 2/20/20

Project Name: Phase 1 Site Work at West Windsor-Plainsboro High School South

Project Owner Name: West Windsor - Plainsboro Regional School District

Project Location: 346 Clarksville Rd., West Windsor, New Jersey 08550

Project Number: 5063LS / 1808WW

Project Date: 02.20.2020

Checked By: GRD

Drawn By: R.R.F.

Scale: 1"=30'

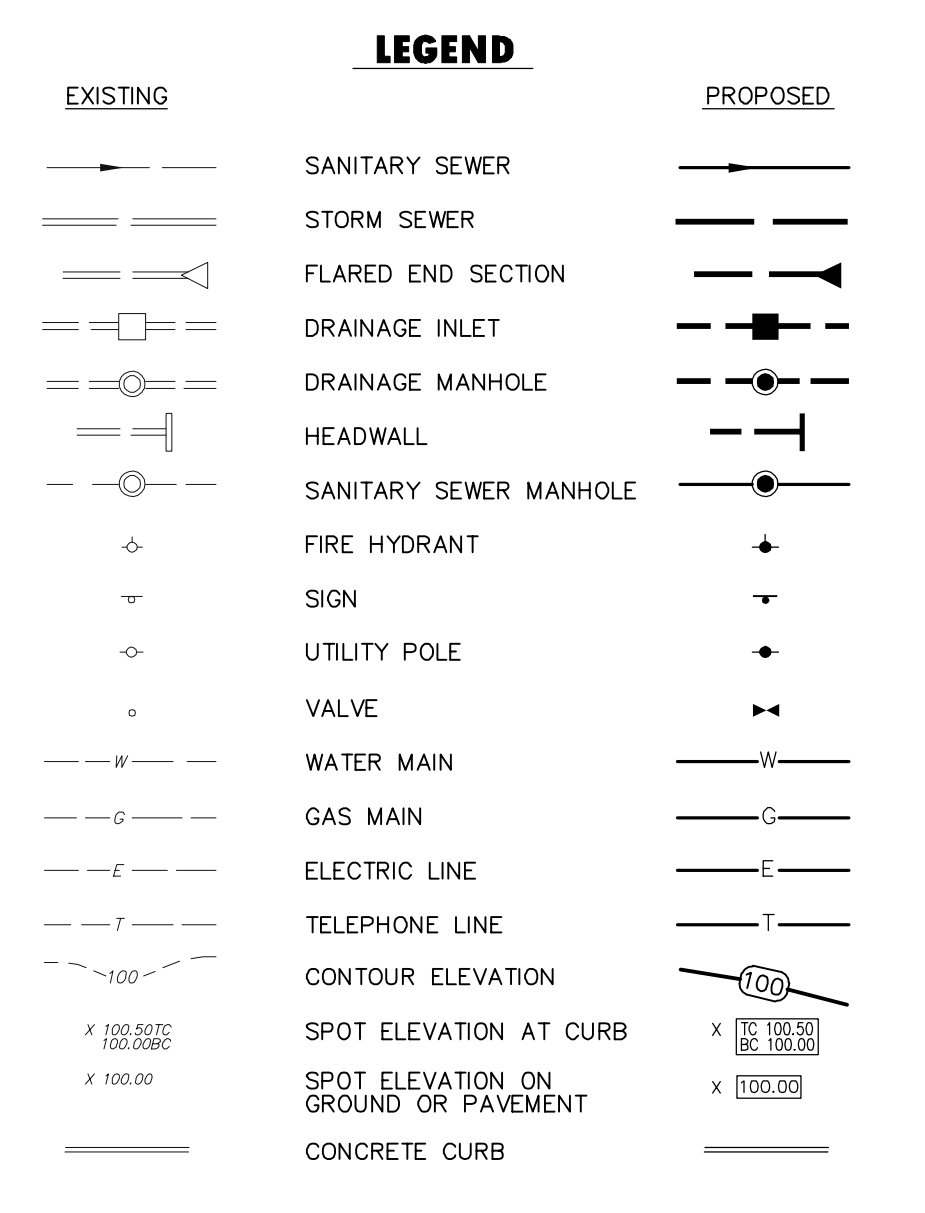
Drawing Name: GRADING PLAN

Revisions table with columns for No., Date, and Description.

Drawing Number: C102

C102

# PRINCETON - HIGHTSTOWN ROAD (VARIABLE RIGHT OF WAY)



### GENERAL NOTES

- THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE SEARCH. THEREFORE THIS PROPERTY MAY BE SUBJECT TO ADDITIONAL EASEMENTS, RIGHT OF WAY COVENANTS, ETC. AS MAY BE DISCLOSED IN A CURRENT COMPREHENSIVE TITLE SEARCH.
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- IT IS IMPERATIVE THAT THE UTILITY COMPANIES ARE NOTIFIED PRIOR TO ANY EXCAVATION AND/OR CONSTRUCTION. CALL 1-800-272-1000 TO ORDER UTILITY MARK OUTFITS.
- THIS PLAN IS NOT VALID UNLESS EMBOSSED WITH THE SEAL OF THE UNDERSIGNED PROFESSIONAL(S).
- WETLANDS INFORMATION TAKEN FROM PLAN ENTITLED "BOUNDARY AND WETLANDS SURVEY FOR HIGH SCHOOL SOUTH" PREPARED BY SITE WORKS CONSULTANTS, INC. DATED 11/3/06.

### REFERENCE MAPS

- "TOPOGRAPHIC SURVEY PLAN OF THE HIGH SCHOOL SOUTH FOR THE WEST WINDSOR - PLAINSBORO BOARD OF EDUCATION" AS PREPARED BY SITEWORKS CONSULTANTS INC. REV. TO 11/15/06 AND MARKED AS FILE 50-1.
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- "TOPOGRAPHIC AND WETLANDS SURVEY FOR THE WEST WINDSOR - PLAINSBORO HIGH SCHOOL SOUTH, BLOCK 17.13, LOT 2, 155 & 156" AS PREPARED BY VAN CLEEF ENGINEERING ASSOCIATES DATED NOV. 9, 2018.
- ADDITIONS AND ALTERATIONS TO THE HIGH SCHOOL SOUTH FOR THE WEST WINDSOR - PLAINSBORO BOARD OF EDUCATION PREPARED BY VAN CLEEF ENGINEERING ASSOC. DATED 2/17/07 C109R.
- ADDITIONS AND ALTERATIONS TO THE HIGH SCHOOL SOUTH FOR THE WEST WINDSOR - PLAINSBORO BOARD OF EDUCATION PREPARED BY FARMINGTON ROADWORK P.A. DATED 3/30/89.

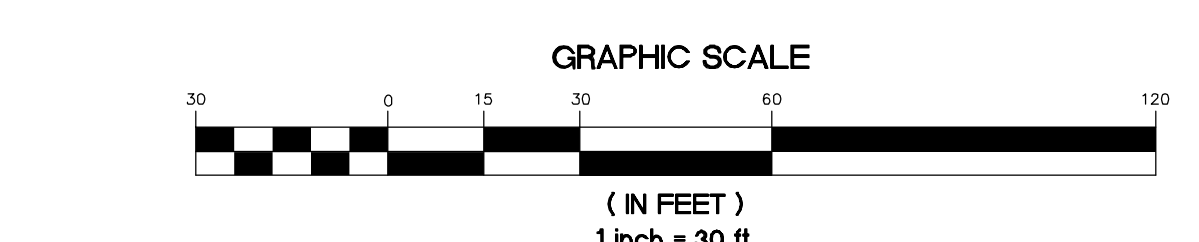
### CONSTRUCTION NOTES

- CONTRACTOR TO PROVIDE SECURE STAGING AREA ON-SITE. LOCATION TO BE AGREED UPON BY SCHOOL.
- CONTRACTOR TO PROVIDE EGRESS ACCESS TO DRIVE AT ALL TIMES.
- ANY SEWAGE DROPPED, SPILLED OR TRACKED ON PAVED SURFACES TO BE REMOVED IMMEDIATELY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS (INCLUDING FEES).
- ALL SOIL SHALL STAY ON-SITE. NO EXCAVATED SOIL SHALL BE REMOVED FROM THE SITE WITH OUT EXPLICIT WRITTEN PERMISSION FROM THE SCHOOL DISTRICT.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL ON-SITE SAFETY AND SECURITY. ALL SAFETY PRECAUTIONS MUST BE UNDERTAKEN AND MAINTAINED THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS (INCLUDING FEES). THE COSTS OF ON-SITE SAFETY AND SECURITY SHALL BE INCLUDED IN COST OF THE PROJECT.
- ALL DISTURBED AREAS TO BE STABILIZED WITH 5 INCHES OF TOP SOIL, SEED, FERTILIZER, LIME, MULCH AND TACK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE EXISTING INFRASTRUCTURE. CONTRACTOR DAMAGED DURING THE PROJECT AT NO ADDITIONAL COST.
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- THE CONCRETE SIDEWALK TO BE ADA COMPLIANT WITH A MAX. CROSS SLOPE OF 2.0% AND A MAX. RUNNING SLOPE OF 5.0%. SIDEWALK WITH A RUNNING SLOPE GREATER THAN 5% REQUIRES AN ADA COMPLIANT HANDRAIL. NO SIDEWALK SHALL HAVE A RUNNING SLOPE GREATER THAN 8%.
- CONTRACTOR TO USE CARE WHILE DRIVING CONSTRUCTION VEHICLES OVER EXISTING CURB AND SIDEWALKS NOT DESIGNATED TO BE REMOVED. ANY DAMAGE TO CURB, SIDEWALK OR LAWN AREAS SHALL BE RESTORED IN-WRITING BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- UNDERGROUND UTILITIES SHOWN ARE BASED ON PHYSICAL EVIDENCE FOUND. PRIOR TO UTILITY TO WHICH THE CONNECTION IS BEING MADE BEFORE LAYING PIPE, CONDUIT, ETC. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF THE EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF THE EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF THE EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF THE EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF THE EXISTING UTILITIES.
- ALL LOAD-BEARING FILL SHOULD BE CONTROLLED FILL. CONTROLLED FILL SHOULD BE PLACED IN 100% HORIZONTAL LAYS COMPACTED WITH A HEAVY DUTY TAMPING ROLLER TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D 1557).
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURVEY WORK REQUIRED TO STAKE OUT SITE FEATURES DURING CONSTRUCTION.
- ACCURATE TEMPORARY AND PERMANENT CONTROL OF SEWAGE WATER FLOW WILL BE REQUIRED IN ORDER TO ALLOW THE PROPER INSTALLATION AND CONNECTION OF ALL UNDERGROUND UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING WATER SHALL BE PLACED OR DESIGNED TO PROVIDE A SUFFICIENT WORKING PLATFORM. ANY WATER ACCUMULATING IN THE WORK AREA SHALL BE REMOVED IMMEDIATELY.
- THE ON-SITE EXCAVATED SOILS ARE GENERALLY CONSIDERED SUITABLE FOR USE AS STRUCTURAL FILL. IT SHOULD BE ADOPTED COMPACTED AS OUTLINED IN THE GEOTECHNICAL REPORT. CONTROLLING THE MOISTURE OF THE ON-SITE EXCAVATED SOIL TO PROCEED WITH THE PROPOSED CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY MATERIALS AND EQUIPMENT TO ACHIEVE THE REQUIRED MOISTURE. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY MATERIALS AND EQUIPMENT TO ACHIEVE THE REQUIRED MOISTURE. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY MATERIALS AND EQUIPMENT TO ACHIEVE THE REQUIRED MOISTURE.
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IT'S THE LAW!  
Dig Safely.

LLAME ANTES DE EXCAVAR  
1-800-272-1000

2019 N.J.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS AMENDED OR SUPPLEMENTED SHALL GOVERN THE CONSTRUCTION OF THIS PROJECT



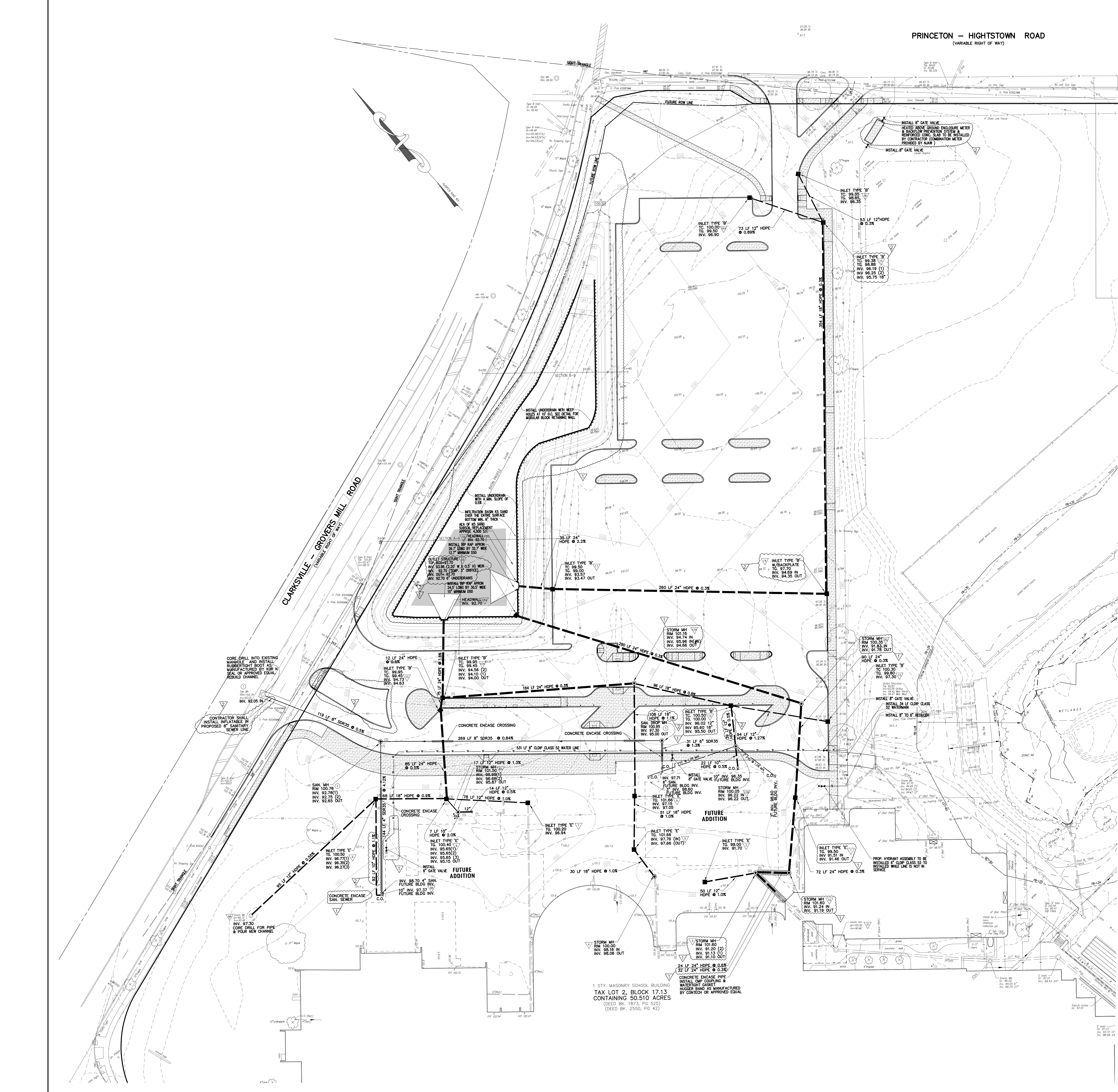
**Van Cleef**  
ENGINEERING ASSOCIATES

Consulting Civil Engineering  
Bridge Design  
Highway Design  
Construction Inspection  
Geotechnical Engineering  
Water/Wastewater  
Professional Planning  
Landscape Architecture

1515 Lower Ferry Road  
Trenton, NJ 08628  
140 Wickliffe Avenue  
Mont Clare, Pennsylvania 19453

PHONE: (609) 896-1100 FAX: (609) 896-1101  
NJ LIC. CERT. NO. 24624874000

BY: *Herbert J. Seeburger, Jr.* DATE: 2/20/20  
HERBERT J. SEEBURGER, JR., N.J. PROFESSIONAL ENGINEER NO. 24624874000



JOHN J. VESSI, AIA, CSBA  
N.J. Professional Architect  
WILLIAM D. HOPKINS III, AIA, LEED AP  
N.J. Professional Architect  
GEORGE R. DUBHE JR., AIA, RP  
N.J. Professional Architect

**CFVHD**  
Franklin Veves Hopkins Duhbe P.C.  
Corporate: 1515 Lower Ferry Road  
Trenton, New Jersey 08628  
Pennsylvania: 140 Wickliffe Avenue  
Mont Clare, Pennsylvania 19453  
F.V.H.D.C.C.O.M.

Project Name  
**Phase 1 Site Work at West Windsor-Plainsboro High School South**

Project Owner Name  
**West Windsor - Plainsboro Regional School District**

Project Location  
**346 Clarksville Rd., West Windsor, New Jersey 08550**

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**5063LS / 1808WW**

Project Date  
**02.20.2020**

Checked by  
**GRD**

Drawn by  
**R.R.F.**

Scale  
**1"=30'**

Drawing Name  
**UTILITY PLAN**

| Revisions | No. | Date     | Description    |
|-----------|-----|----------|----------------|
|           | 1   | 02.24.20 | ISSUED FOR BID |
|           | 2   | 03.12.20 | ADDENDUM 2     |
|           | 3   | 04.13.20 | CHANGE ORDER 1 |

Drawing Number  
**C103**

JOHN J. VESEZ, AIA, CSBA  
N.J. Professional Engineer  
WILLIAM D. HOPKINS III, AIA, LEED AP  
N.J. Professional Engineer  
GEORGE R. DUHIE, JR., AIA, RP  
N.J. Professional Engineer

**VFVHD**  
Franklin Veves Hopkins Duhie P.C.  
Corporate: 1515 Lower Ferry Road  
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Pennsylvania: 140 Whitaker Avenue  
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F.V.H.D.P.C.C.O.M.

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Windsor-Plainsboro  
High School  
South**

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**West Windsor -  
Plainsboro  
Regional School  
District**

Project Location  
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West Windsor,  
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Checked By  
**GRD**

Drawn By  
**R.R.F.**

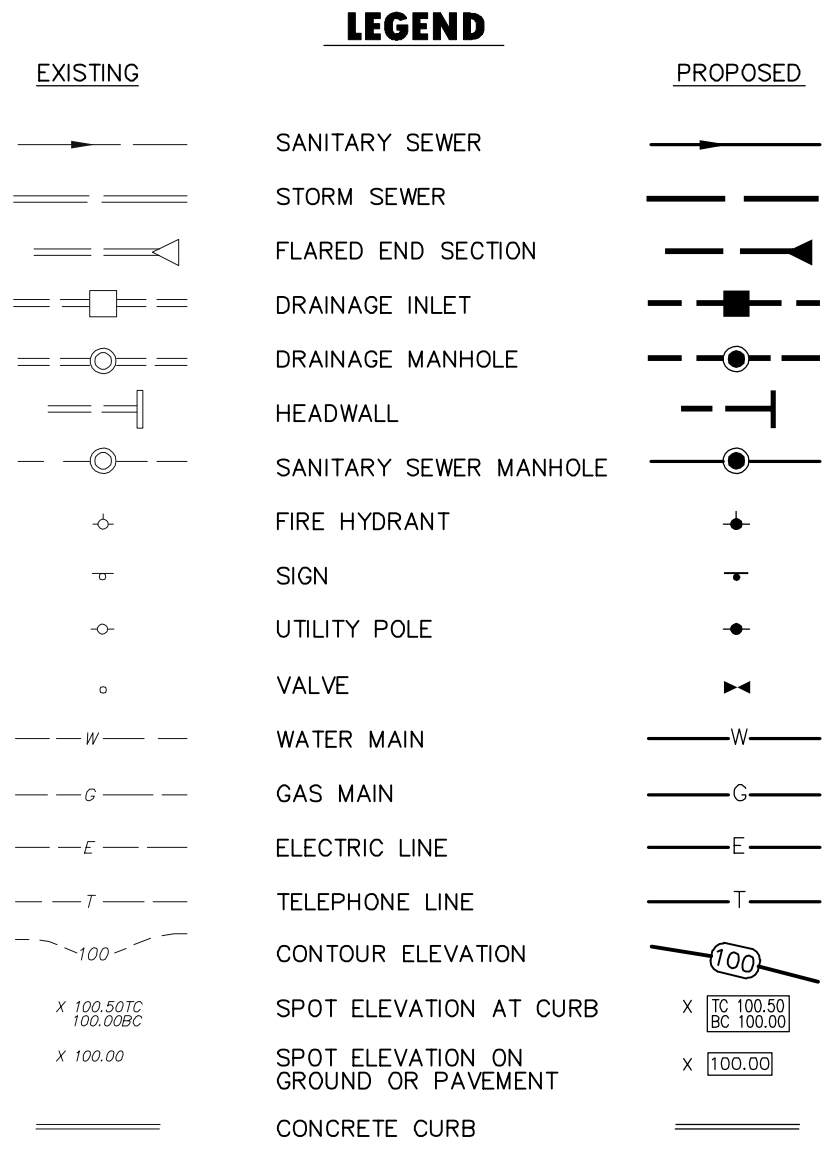
Scale  
**1"=30'**

Drawing Name  
**LIGHTING PLAN**

Revisions table with 3 entries: 02.24.20 ISSUED FOR BID, 03.12.20 ADDENDUM 2, 04.13.20 CHANGE ORDER 1

Drawing Number  
**C104**

PRINCETON - HIGHTSTOWN ROAD  
(VARIABLE RIGHT OF WAY)



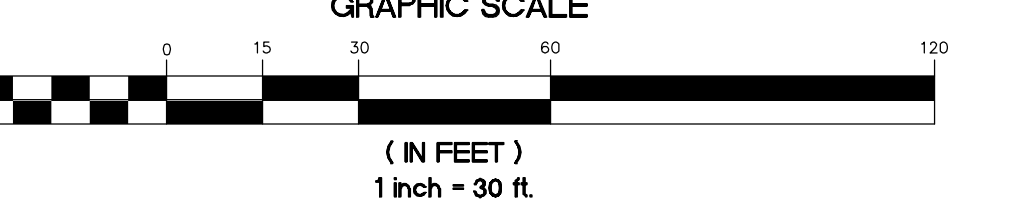
GENERAL NOTES

- 1. THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE SEARCH...
2. DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)...
3. THIS MAP REFLECTS EXISTING SITE CONDITIONS AS A RESULT OF A PARTIAL TOPOGRAPHIC FIELD SURVEY...
4. NO CERTIFICATION IS MADE BY VCEA AS TO THE ACTUAL UNDERGROUND POSITION OF ANY UTILITIES...
5. IT IS IMPERATIVE THAT THE UTILITY COMPANIES ARE NOTIFIED PRIOR TO ANY EXCAVATION AND/OR CONSTRUCTION...
6. THIS PLAN IS NOT VALID UNLESS EMBOSSED WITH THE SEAL OF THE UNDERSIGNED PROFESSIONAL ENGINEER(S)...
7. WETLANDS INFORMATION TAKEN FROM PLAN ENTITLED 'BOUNDARY AND WETLANDS SURVEY FOR HIGH SCHOOL SOUTH' PREPARED BY SITE WORKS CONSULTANTS, INC. DATED 11/3/06...
8. 'TOPOGRAPHIC SURVEY PLAN OF THE HIGH SCHOOL SOUTH FOR THE WEST WINDSOR- PLAINSBORO BOARD OF EDUCATION' AS PREPARED BY SITEWORKS CONSULTANTS INC. REV TO 8/15/08 AND MARKED AS FILE 50-1...
9. 'BOUNDARY AND WETLANDS SURVEY OF THE HIGH SCHOOL SOUTH FOR THE WEST WINDSOR- PLAINSBORO BOARD OF EDUCATION' AS PREPARED BY SITEWORKS CONSULTANTS INC. REV TO 11/13/06 AND MARKED AS FILE 50-2...
10. 'TOPOGRAPHIC AND WETLANDS SURVEY FOR THE WEST WINDSOR- PLAINSBORO HIGH SCHOOL SOUTH, BLOCK 17.13, LOT 2, 150 & 50' AS PREPARED BY VAN CLEEF ENGINEERING ASSOCIATES DATED NOV. 9, 2018...
11. ADDITIONS AND ALTERATIONS TO THE HIGH SCHOOL SOUTH FOR THE WEST WINDSOR- PLAINSBORO BOARD OF EDUCATION PREPARED BY VAN CLEEF ENGINEERING ASSOC. DATED 2/17/07 C1098...
12. ADDITIONS AND ALTERATIONS TO THE HIGH SCHOOL SOUTH FOR THE WEST WINDSOR- PLAINSBORO BOARD OF EDUCATION PREPARED BY FABRY THORNE MADDOX P.A. DATED 3/30/09.

CONSTRUCTION NOTES

- 1. CONTRACTOR TO PROVIDE SECURE STAGING AREA ON-SITE, LOCATION TO BE AGREED UPON BY SCHOOL...
2. CONTRACTOR TO PROVIDE EMERGENCY ACCESS TO SCHOOL AT ALL TIMES...
3. ANY SEDIMENT DROPPED, SPILLED OR TRACKED ON PAVED SURFACES TO BE REMOVED IMMEDIATELY...
4. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL/ANY SOIL IMPORT OR EXPORT PERMITS REQUIRED, INCLUDING FEES...
5. ALL SOIL SHALL STAY ON-SITE, NO EXCAVATED SOIL SHALL BE REMOVED FROM THE SITE WITH OUT EXPLICIT WRITTEN PERMISSION FROM THE SCHOOL DISTRICT...
6. THE CONTRACTOR IS RESPONSIBLE FOR ALL ON-SITE SAFETY AND SECURITY. ALL SAFETY PRECAUTIONS MUST BE MAINTAINED THROUGHOUT THE PROJECT...
7. ALL DISTURBED AREAS TO BE STABILIZED WITH 5 INCHES OF TOP SOIL, SEED, FERTILIZER, LIME, MULCH AND SOIL...
8. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE EXISTING INFRASTRUCTURE... CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY AND ALL OF THE EXISTING INFRASTRUCTURE THE CONTRACTOR DAMAGED DURING THE PROJECT AT NO ADDITIONAL COST...
9. ALL STORM SEWER PIPE LENGTHS SHOWN ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE...
10. THE CONCRETE SIDEWALK TO BE ADA COMPLIANT WITH A MAX. CROSS SLOPE OF 3.0% AND A MAX. RUNNING SLOPE OF 3.0%. SIDEWALK WITH A RUNNING SLOPE GREATER THAN 5% REQUIRES AN ADA COMPLIANT HANDRAIL...
11. CONTRACTOR TO USE CARE WHILE DRIVING CONSTRUCTION VEHICLES OVER EXISTING CURBS AND SIDEWALKS NOT DESIGNATED FOR TRUCKS...
12. UNDERGROUND UTILITIES SHOWN ARE BASED ON PHYSICAL EVIDENCE FOUND... PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL DETERMINE THE LOCATION AND DEPTH OF THE EXISTING UTILITY TO WHICH THE CONNECTION IS BEING MADE...
13. ALL LEAD-BEARING FILL SHOULD BE CONTROLLED FILL... CONTROLLED FILL SHOULD BE PLACED IN LOOSE HORIZONTAL LIFTS...
14. CONTRACTOR SHALL REFER TO PHASING PLANS FOR CONSTRUCTION SEQUENCE OF CIVIL WORK...
15. COMPACTOR WITHIN 5 FEET FROM THE EXISTING FACILITIES SHOULD BE CONNECTED USING A LIGHT COMPACTOR...
16. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURVEY WORK REQUIRED TO STAKE OUT SITE FEATURES DURING CONSTRUCTION...
17. ADEQUATE TEMPORARY AND PERMANENT CONTROL OF SURFACE WATER RUNOFF WILL BE REQUIRED IN ORDER TO ALLOW SITE PREPARED AND CONSTRUCTION TO PROCEED...
18. THE ON-SITE EXCAVATED SOILS ARE GENERALLY CONSIDERED SUITABLE FOR USE AS STRUCTURAL FILL...
19. CONTRACTOR SHALL PROVIDE ADEQUATE AS-BUILT DRAWINGS FOR ALL SITE AND UTILITY WORK... AS-BUILT DRAWINGS SHALL INCLUDE ALL INFORMATION REGARDING THE EXISTING AND PROPOSED UTILITIES, INCLUDING THE LOCATION AND DEPTH OF ALL UTILITIES...
20. ALL RETRO DRAWINGS AND MODIFICATIONS MUST BE PREPARED BY A LICENSED PROFESSIONAL LAND SURVEYOR... AS-BUILT DRAWINGS SHALL BE PROVIDED TO THE SCHOOL DISTRICT FOR REVIEW AND APPROVAL PRIOR TO ANY ADDITIONAL WORK...
21. COST FOR AS-BUILT DRAWINGS SHALL BE INCLUDED IN SPECIAL LOW-BID OFFERS.

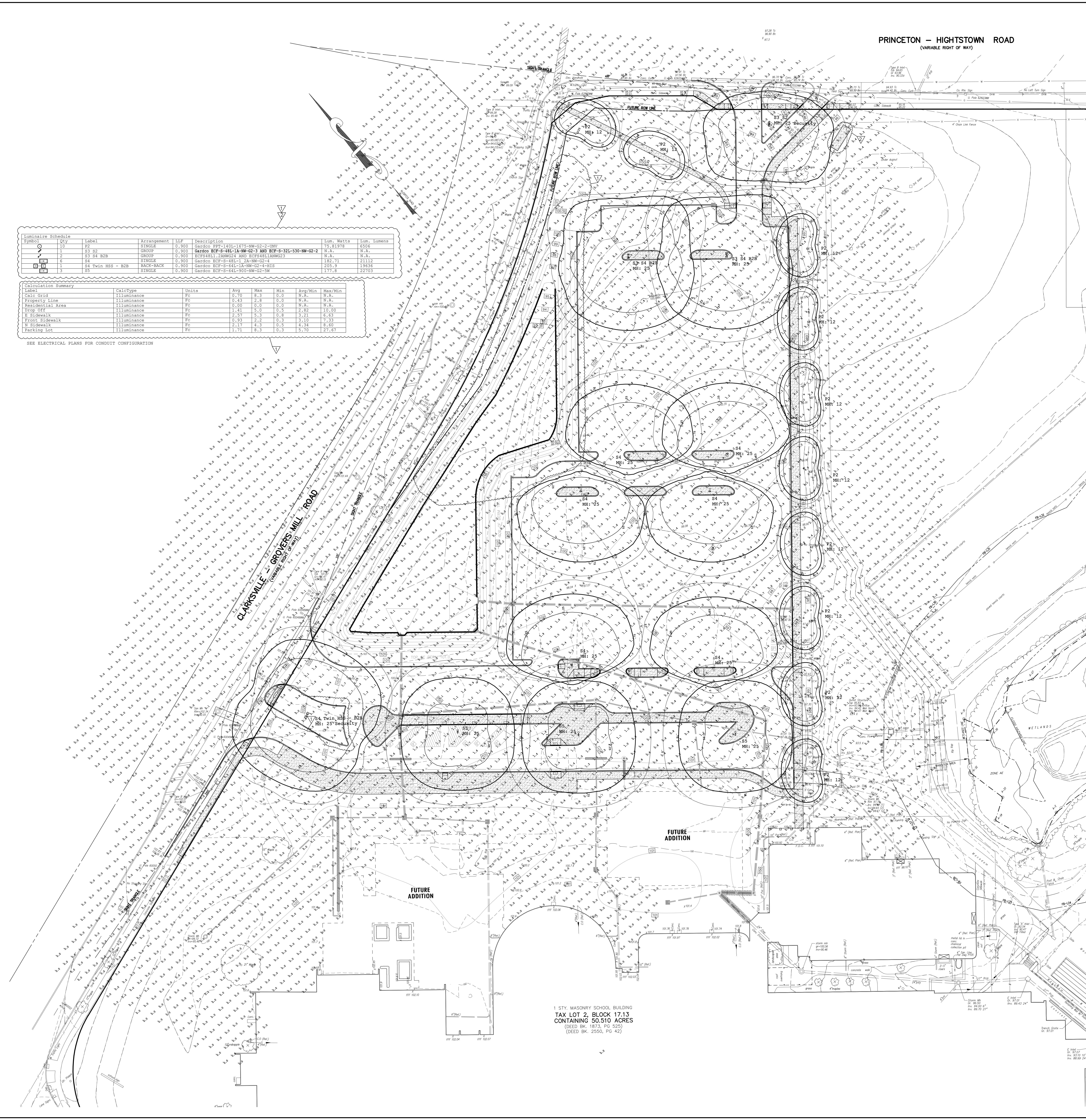
2019 N.J.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS AMENDED OR SUPPLEMENTED SHALL GOVERN THE CONSTRUCTION OF THIS PROJECT



1 STY. MASONRY SCHOOL BUILDING  
TAX LOT 2, BLOCK 17.13  
CONTAINING 50,510 ACRES  
(DEED BK. 1873, PG 525)  
(DEED BK. 2550, PG 42)

Tables for Luminaire Schedule and Calculation Summary. Luminaire Schedule lists symbols, sizes, labels, arrangements, and descriptions. Calculation Summary lists labels, calc types, units, and average/max/min values.

SEE ELECTRICAL PLANS FOR CONDUIT CONFIGURATION



Van Cleef  
ENGINEERING ASSOCIATES  
A PROFESSIONAL NEW JERSEY OFFICE  
460 ROUTE 206, SUITE 1000  
TRENTON, NJ 08611  
PHONE: (609) 886-1100 FAX: (609) 886-1101  
WWW.VANCLEEFENGINEERING.COM  
NJ LIC. CERT. NO. 246248120020

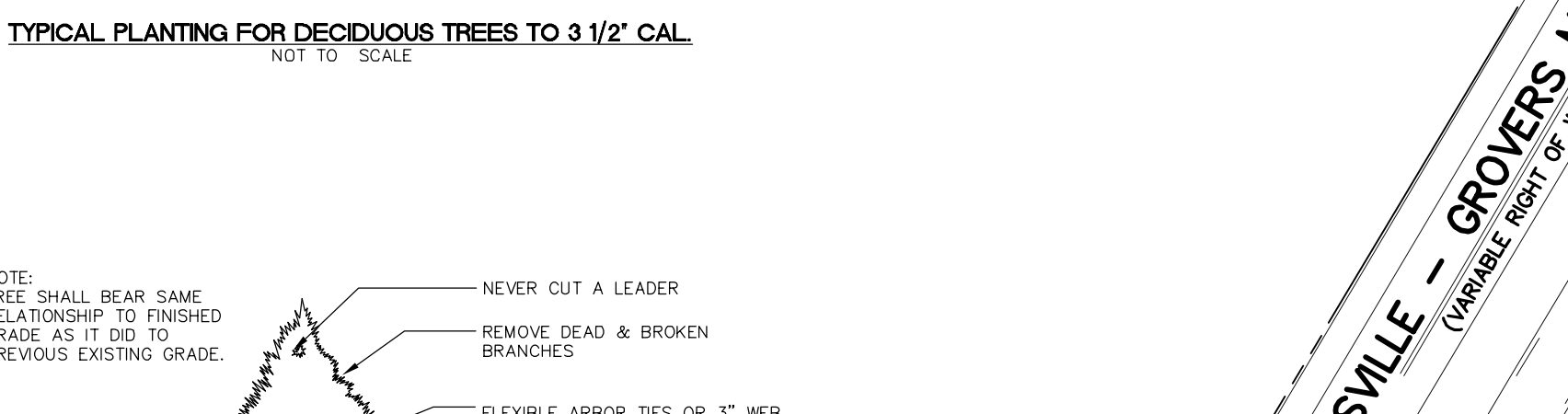
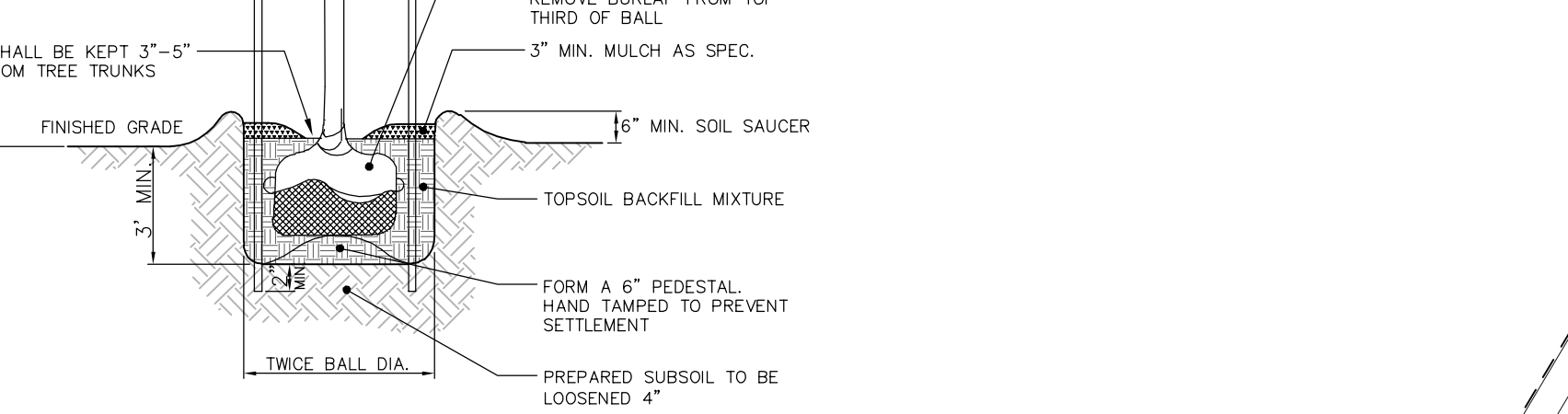
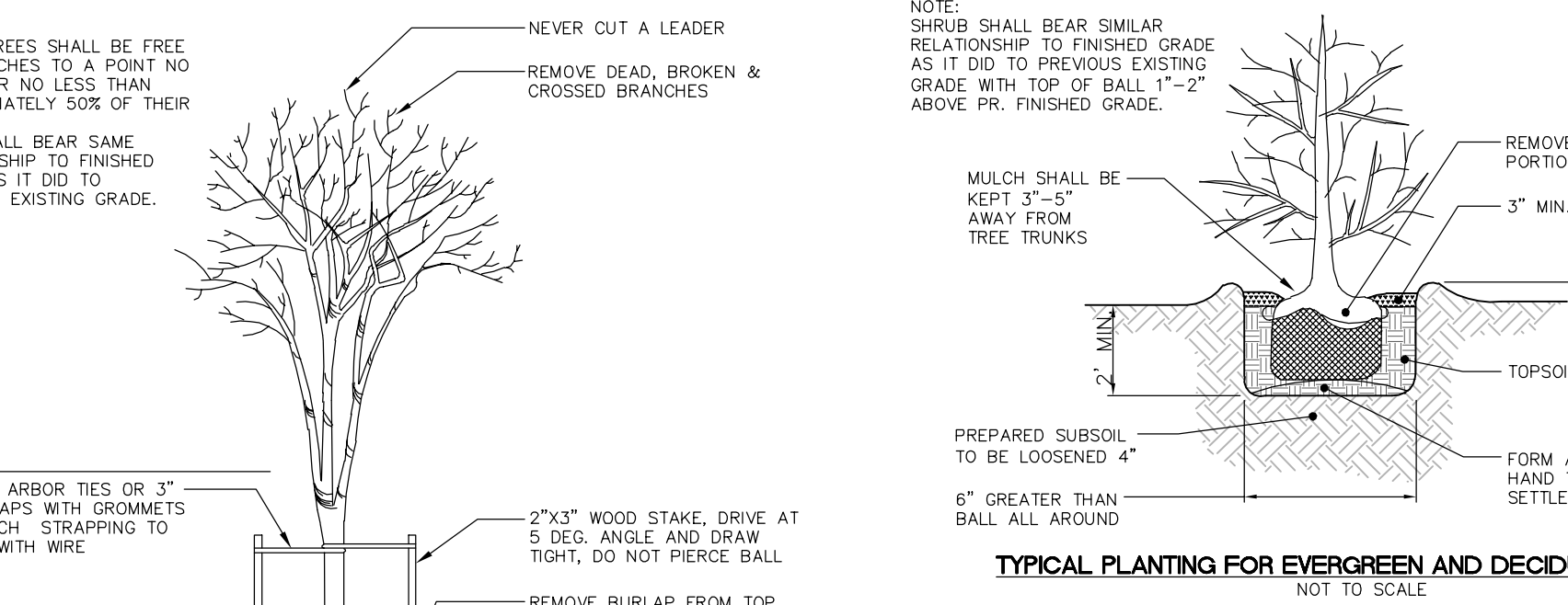
BY: *[Signature]* DATE: 2/20/20  
HERBERT J. SEEBURGER, JR. N.J. PROFESSIONAL ENGINEER NO. 246204748700

PLANT SCHEDULE table with columns: KEY, BOTANICAL NAME, COMMON NAME, MIN. SIZE, SPEC, QTY. Lists Deciduous Trees, Evergreen Trees, and Evergreen Shrubs.

\* INDICATES NATIVE TREE OR SHRUB IN NEW JERSEY DEP
\*\* INDICATES FALL PLANTING HAZARD, ONLY PLANT IN EARLY SPRING

- MINIMUM STANDARDS FOR QUALITY & MAINTENANCE
1. QUALITY: ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY...
2. PLANTING: PLANTS SHALL BE MEASURED AS THEY STAND IN THEIR NATURAL POSITION...

NOTES:
1. IN THE EVENT THERE IS A CONFLICT BETWEEN THE LANDSCAPING PLAN AND THE LANDSCAPING SCHEDULE, THE PLAN SHALL GOVERN
2. TREE CALIPER TO BE MEASURED AT DIAMETER AT 4" ABOVE THE GROUND



PRINCETON - HIGHTSTOWN ROAD
(VARIABLE RIGHT OF WAY)

LEGEND table with columns: EXISTING, PROPOSED. Lists symbols for Sanitary Sewer, Storm Sewer, Flared End Section, Drainage Inlet, etc.

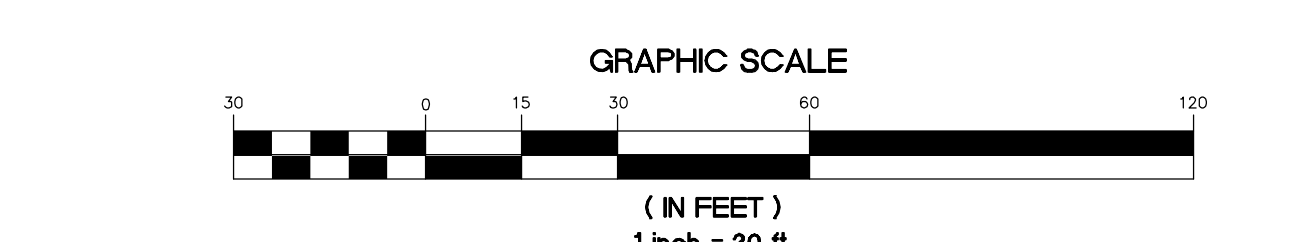
- GENERAL NOTES
1. THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE SEARCH...
2. DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)...
3. THIS MAP REFLECTS EXISTING SITE CONDITIONS AS A RESULT OF A PARTIAL TOPOGRAPHIC FIELD SURVEY...

- CONSTRUCTION NOTES
1. CONTRACTOR TO PROVIDE SECURE STAGING AREA ON-SITE...
2. CONTRACTOR TO PROVIDE EMERGENCY ACCESS TO SCHOOL AT ALL TIMES...
3. ANY SEWAGE DROPPED, SPILLED OR TRACKED ON PAVED SURFACES TO BE REMOVED IMMEDIATELY...

- CONSTRUCTION NOTES (continued)
4. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL/ANY SOL IMPORT OR EXPORT PERMITS...
5. ALL SOIL SHALL STAY ON-SITE...
6. THE CONTRACTOR IS RESPONSIBLE FOR ALL ON-SITE SAFETY AND SECURITY...
7. ALL DISTURBED AREAS TO BE STABILIZED WITH 5 INCHES OF TOP SOIL, SEED, FERTILIZER, LIME, MULCH AND TACK...

Logos for 811, DigIt Safely, and other safety-related organizations.

2019 N.J.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS AMENDED OR SUPPLEMENTED SHALL GOVERN THE CONSTRUCTION OF THIS PROJECT



Van Cleeef ENGINEERING ARCHITECTS logo and contact information.

BY: HERBERT J. SEEBURGER, JR. DATE: 2/20/20

Professional Engineer information for JOHN J. VESZ, AIA, CSBA, N.J. Professional Engineer No. 214000174.

Project Name: Phase 1 Site Work at West Windsor-Plainsboro High School South

Project Owner Name: West Windsor - Plainsboro Regional School District

Project Location: 346 Clarksville Rd., West Windsor, New Jersey 08550

Project Number: 5063LS / 1808WW

Project Date: 02.20.2020
Checked By: GRD
Drawn By: R.R.F.
Scale: 1"=30'

Drawing Name: LANDSCAPE PLAN

Revisions table with columns: No., Date, Description. Shows three revisions.

Drawing Number: C105

**FVH D**  
 Franka Vespa Hopkins Duhie P.C.  
 Corporate: 1515 Lower Ferry Road  
 Trenton, New Jersey 08628  
 Pennsylvania: 140 Whitaker Avenue  
 Mont Clare, Pennsylvania 19453  
 F.V.H.D.P.C. C.O.M.

Architect: *[Signature]* Date: 2/20/20

Project Name  
**Phase 1 Site Work at West Windsor-Plainsboro High School South**

Project Owner Name  
**West Windsor - Plainsboro Regional School District**

Project Location  
**346 Clarksville Rd., West Windsor, New Jersey 08550**

Project Number  
**5063LS / 1808WW**

Project Date  
**02.20.2020**

Checked By  
**GRD**

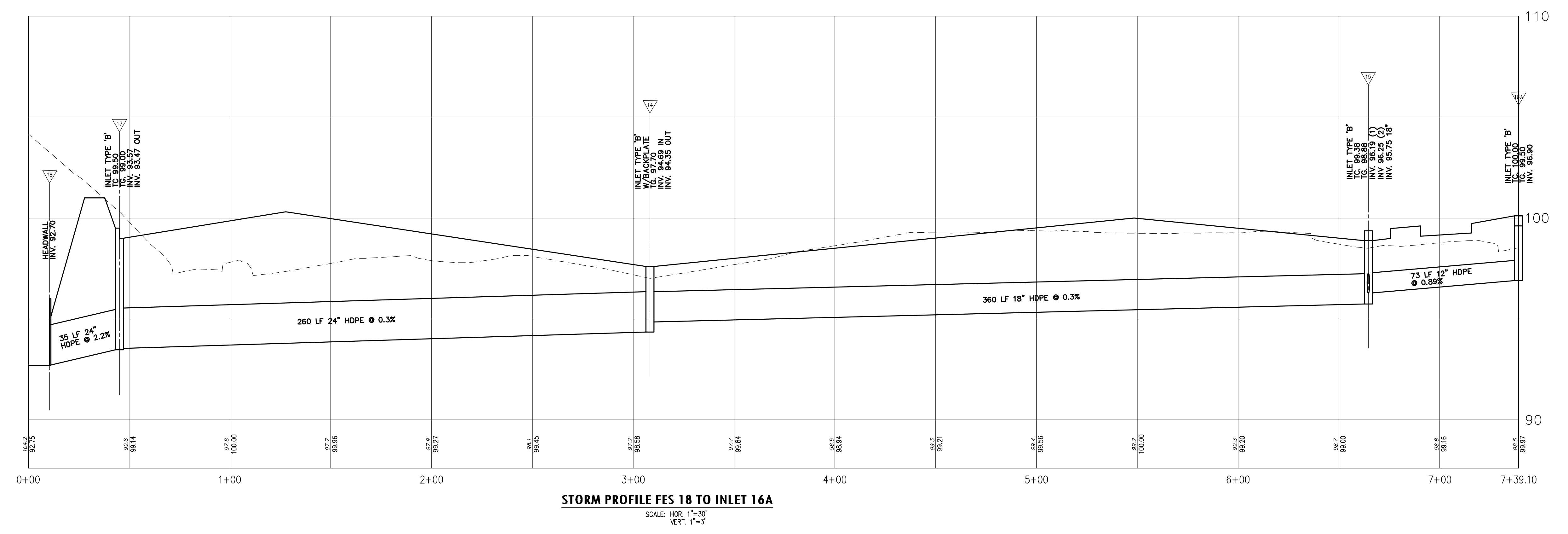
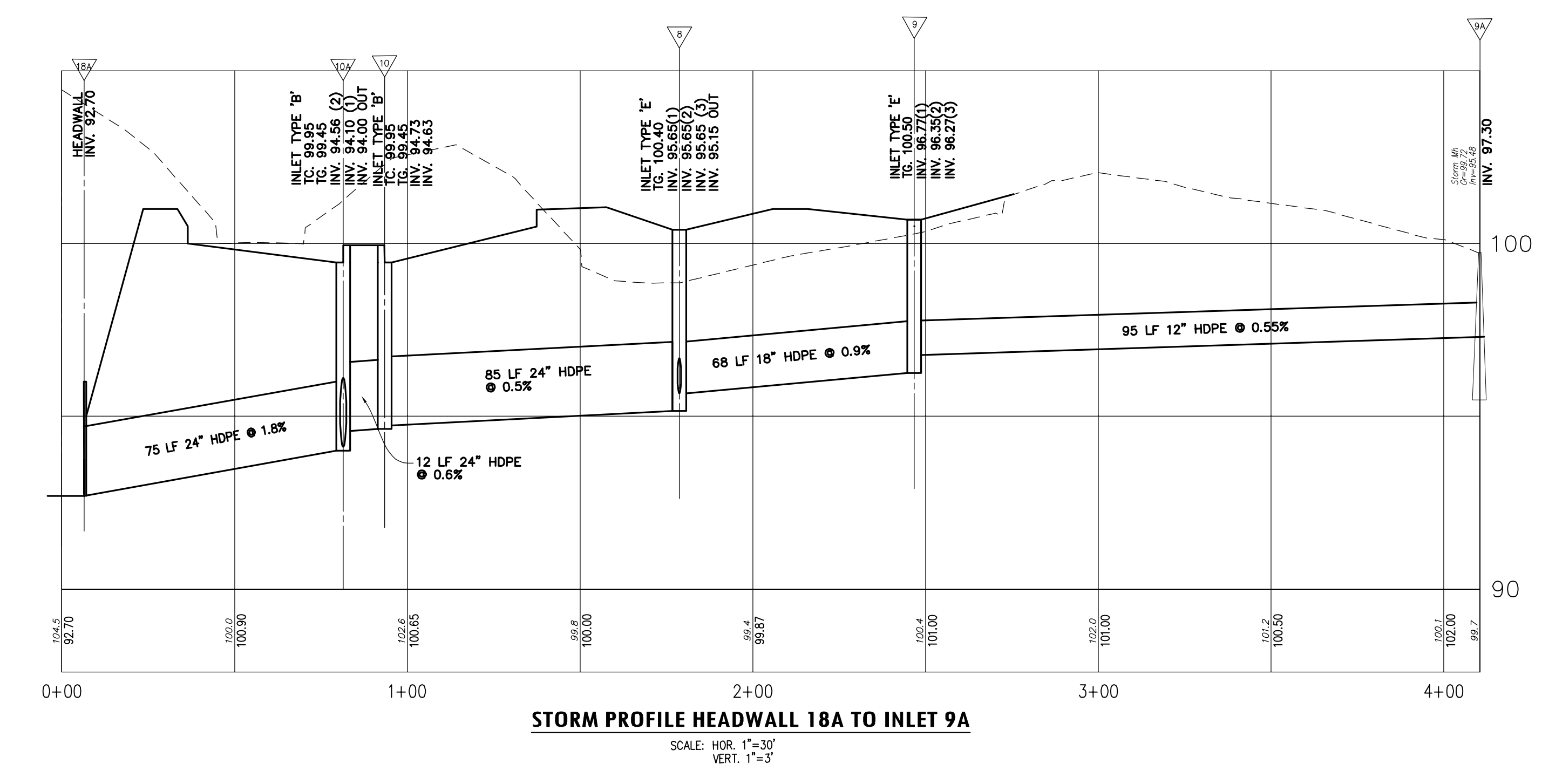
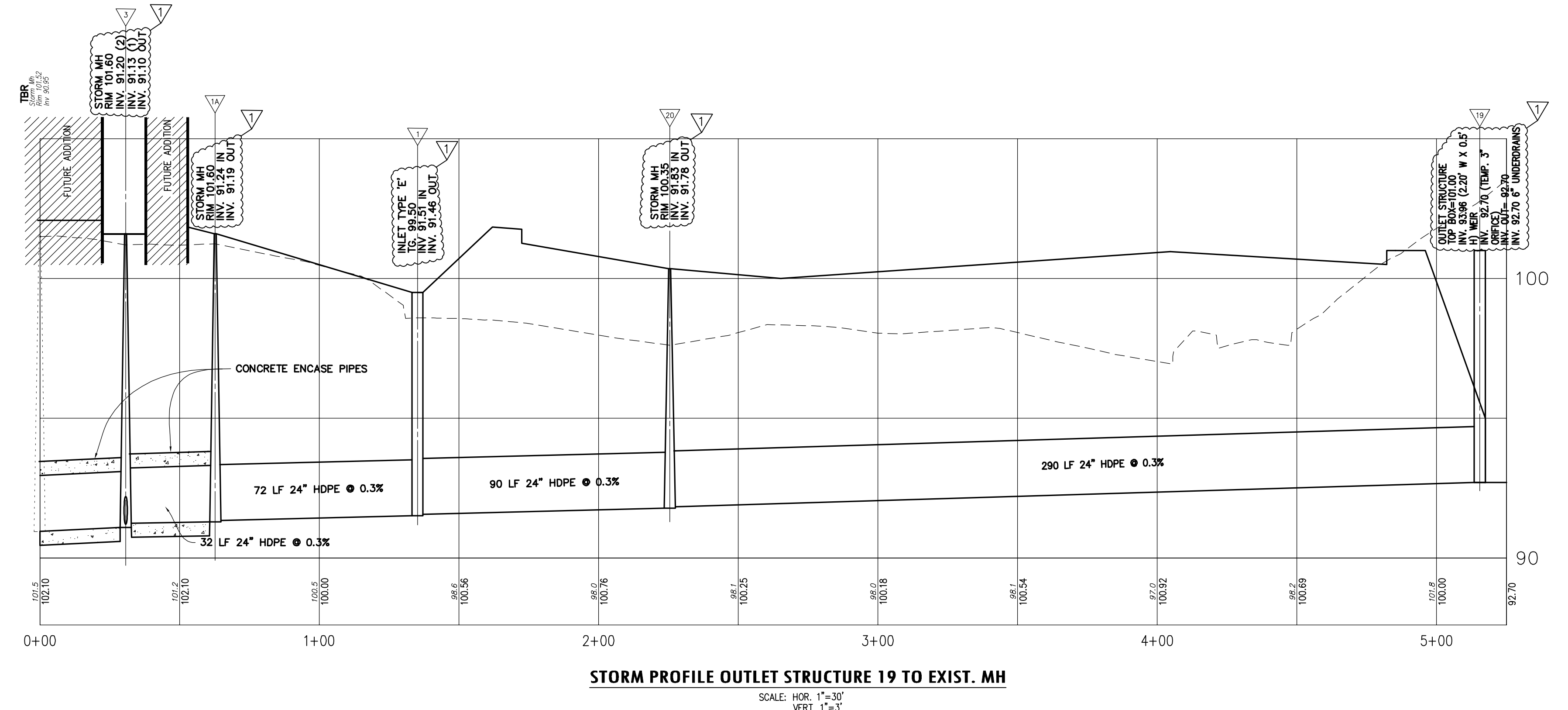
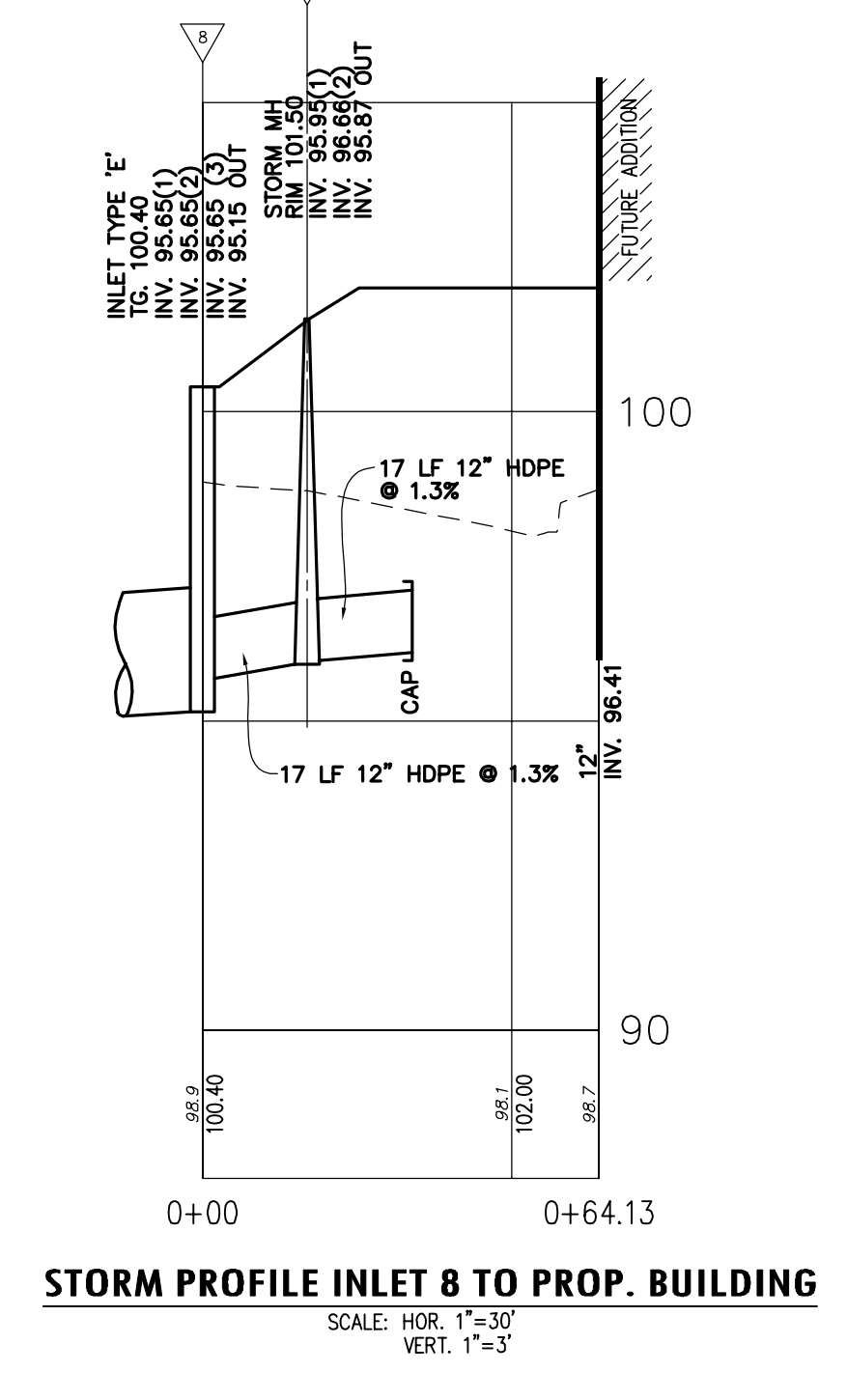
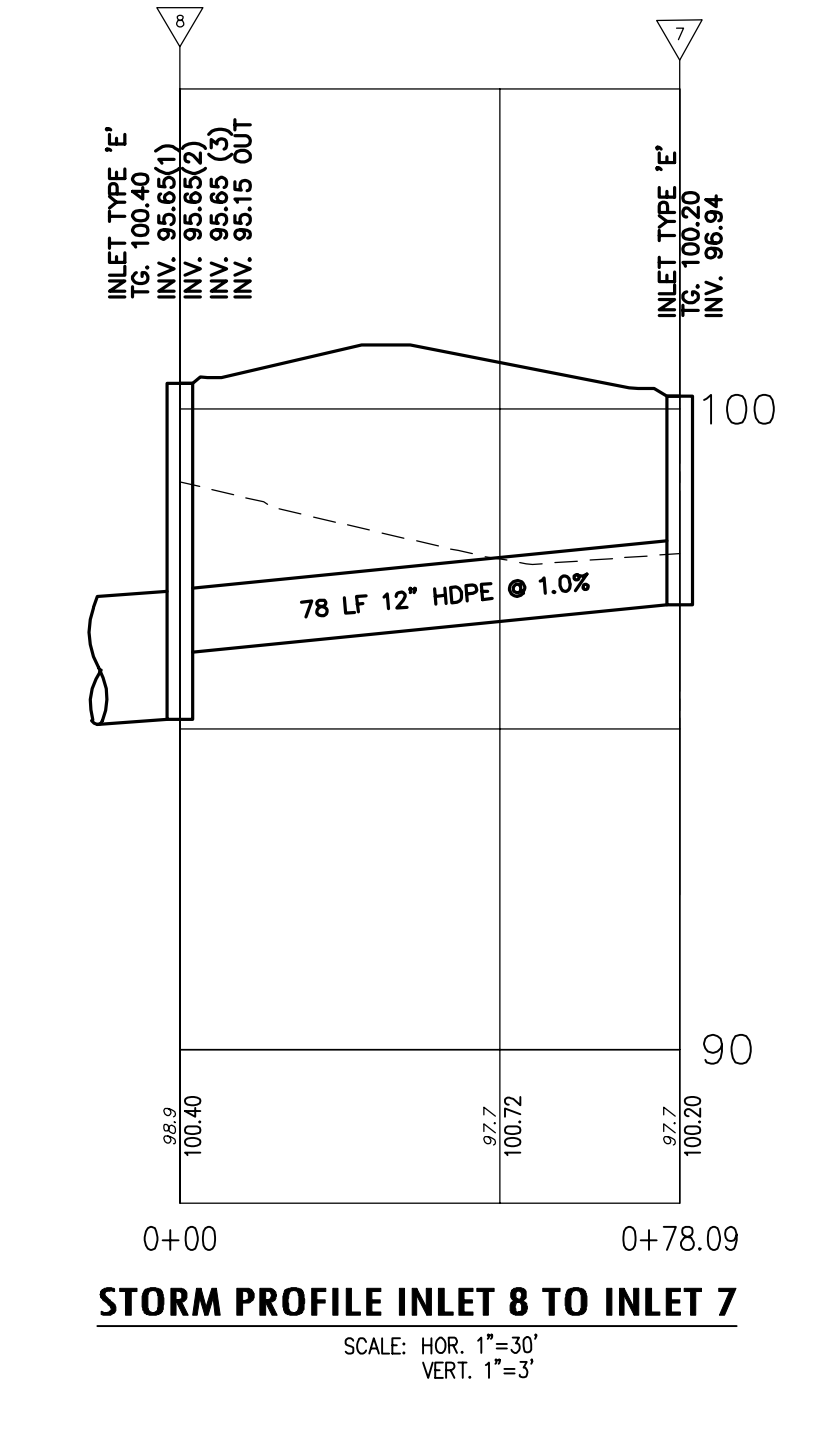
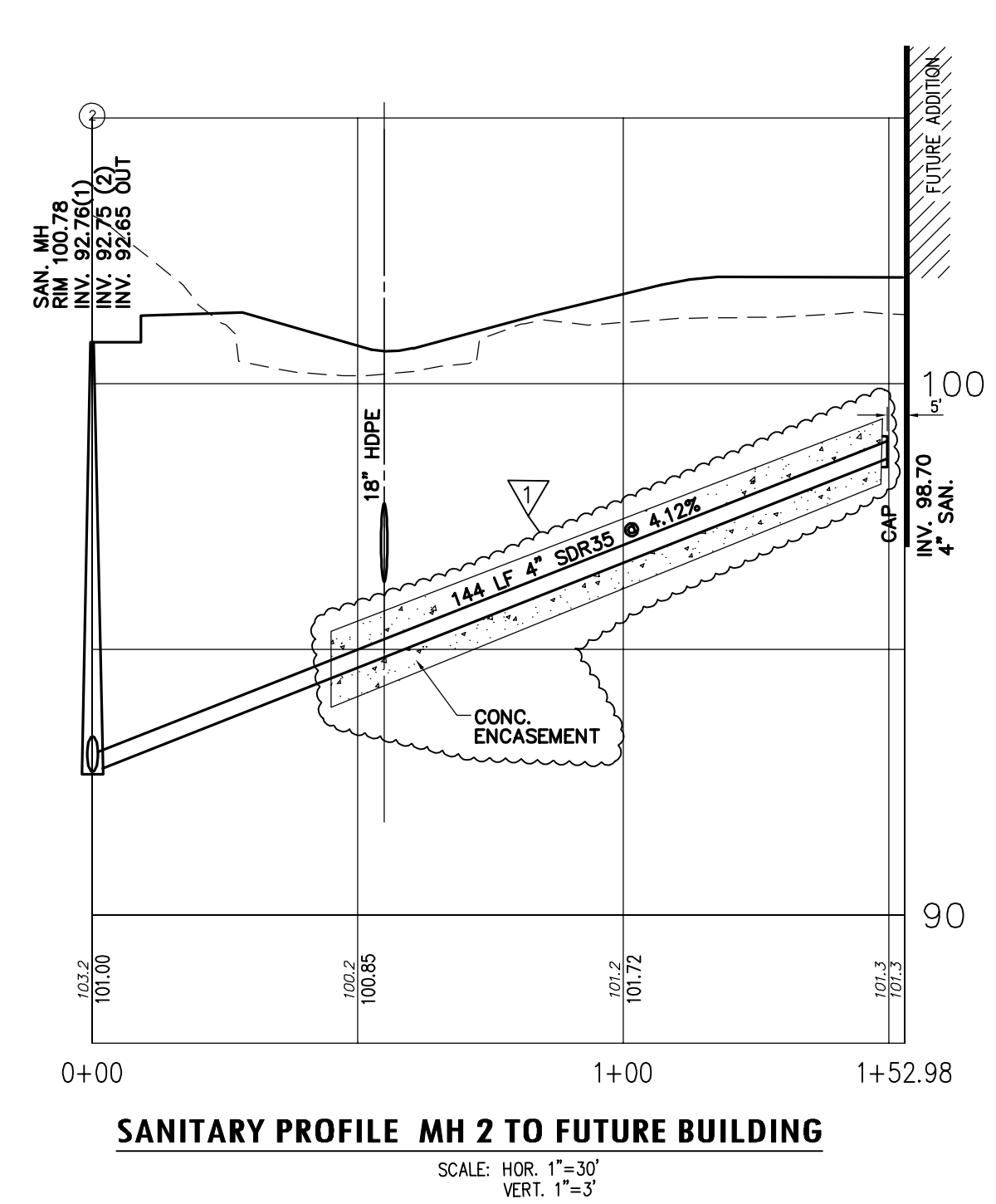
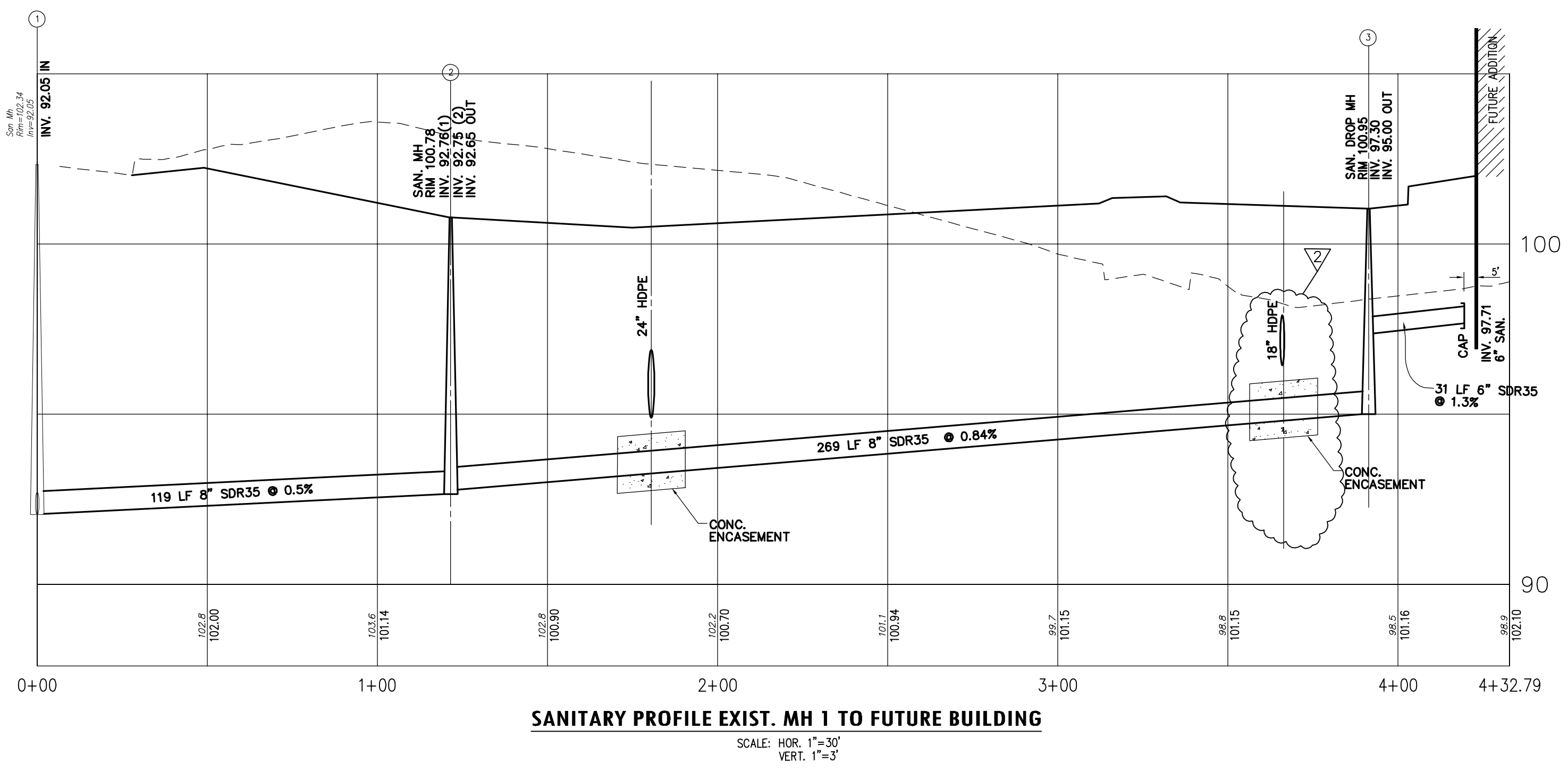
Drawn By  
**R.R.F.**

Scale  
**AS NOTED**

Drawing Name  
**PROFILES**

| No. | Date     | Description    |
|-----|----------|----------------|
| 1   | 02.24.20 | ISSUED FOR BID |
| 2   | 03.12.20 | ADDENDUM 2     |
| 3   | 04.13.20 | CHANGE ORDER 1 |

Drawing Number  
**C106**



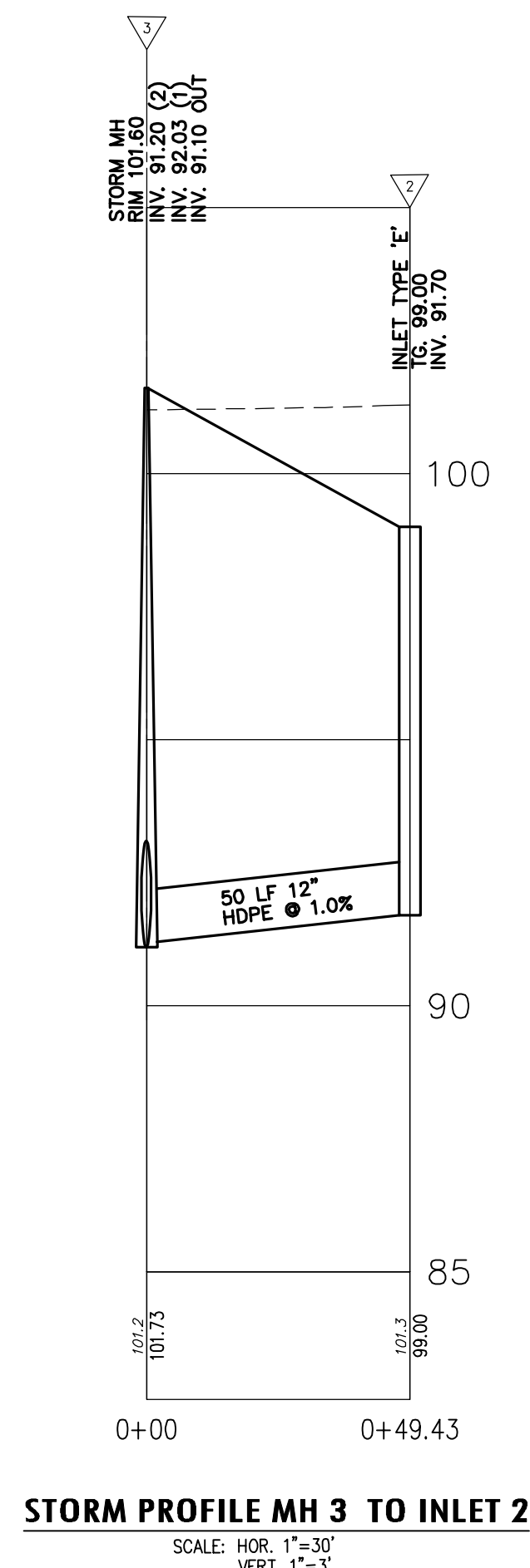
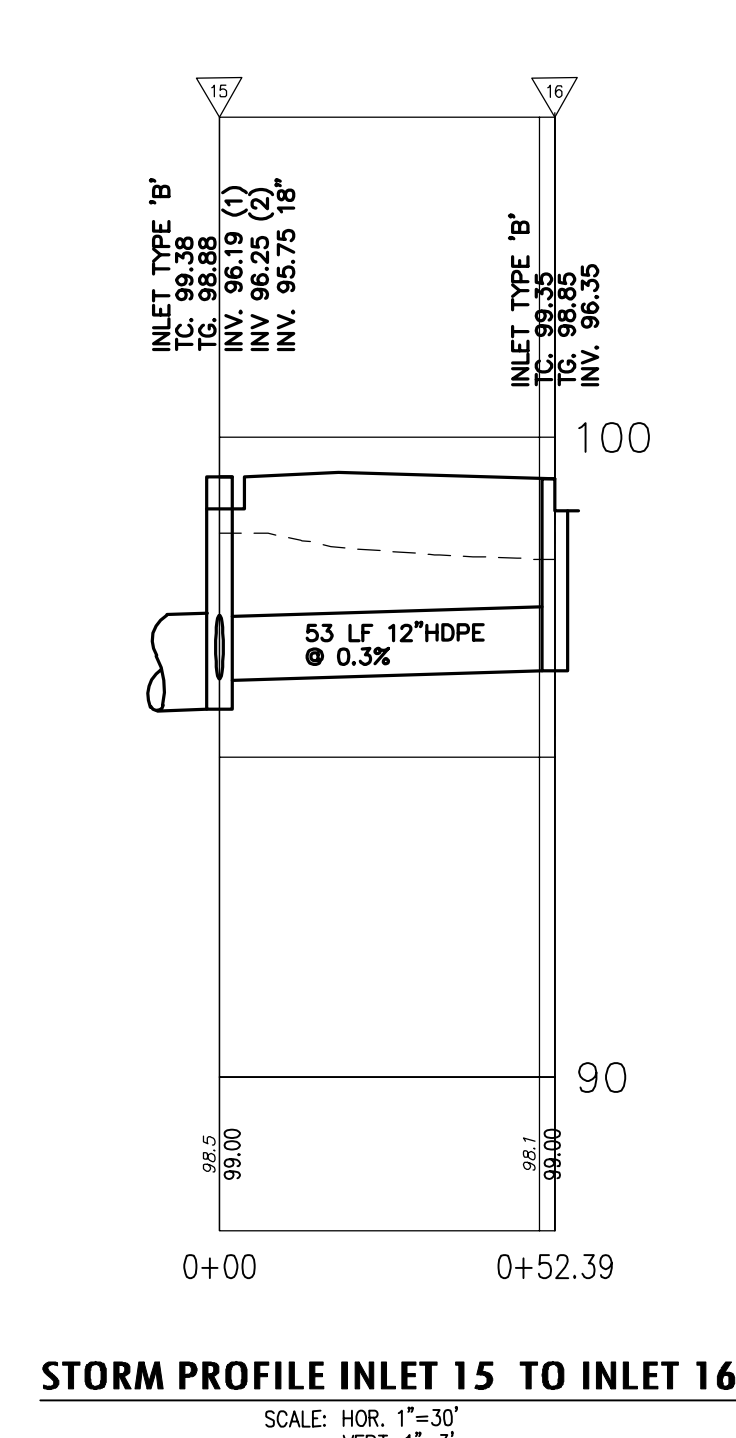
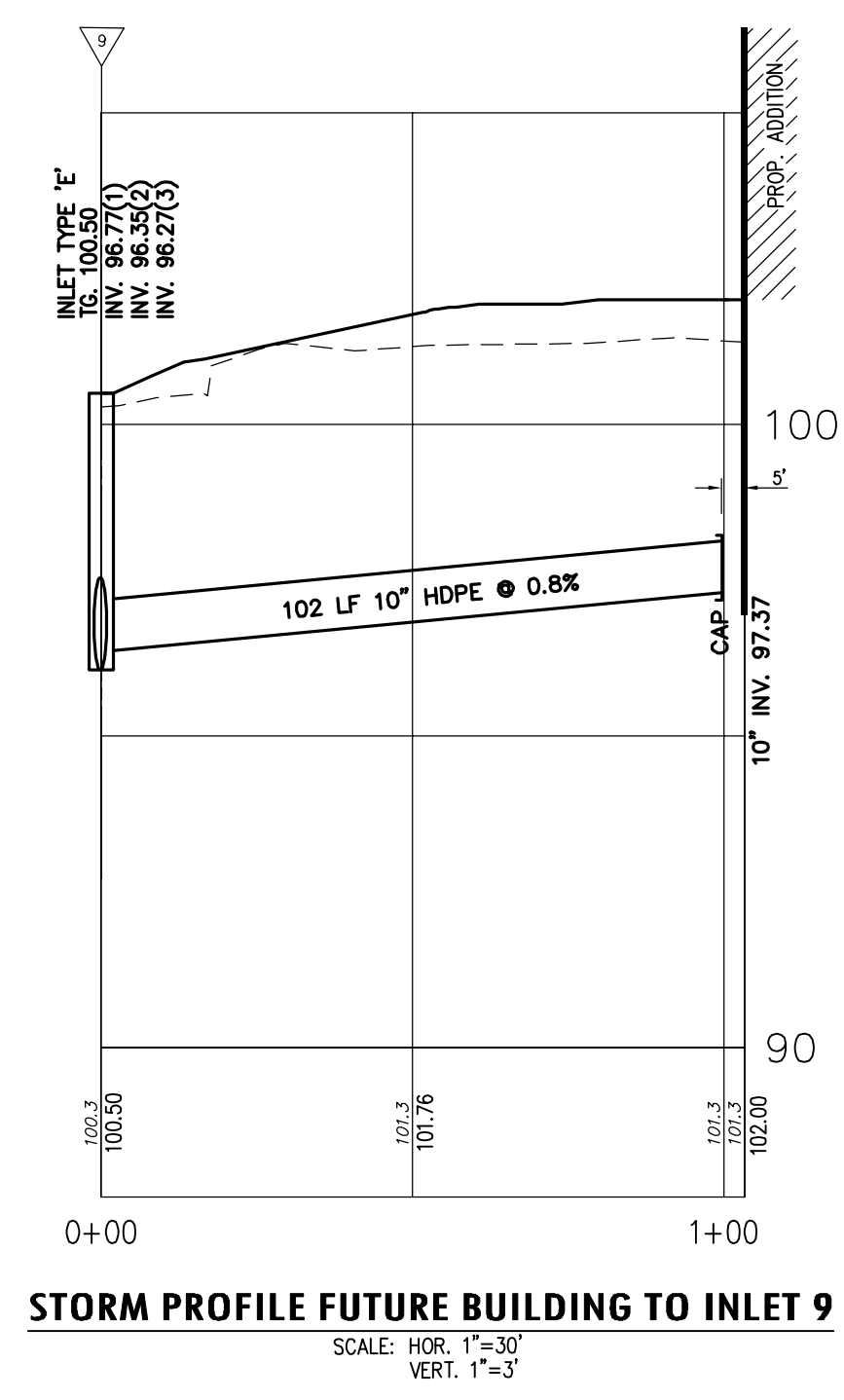
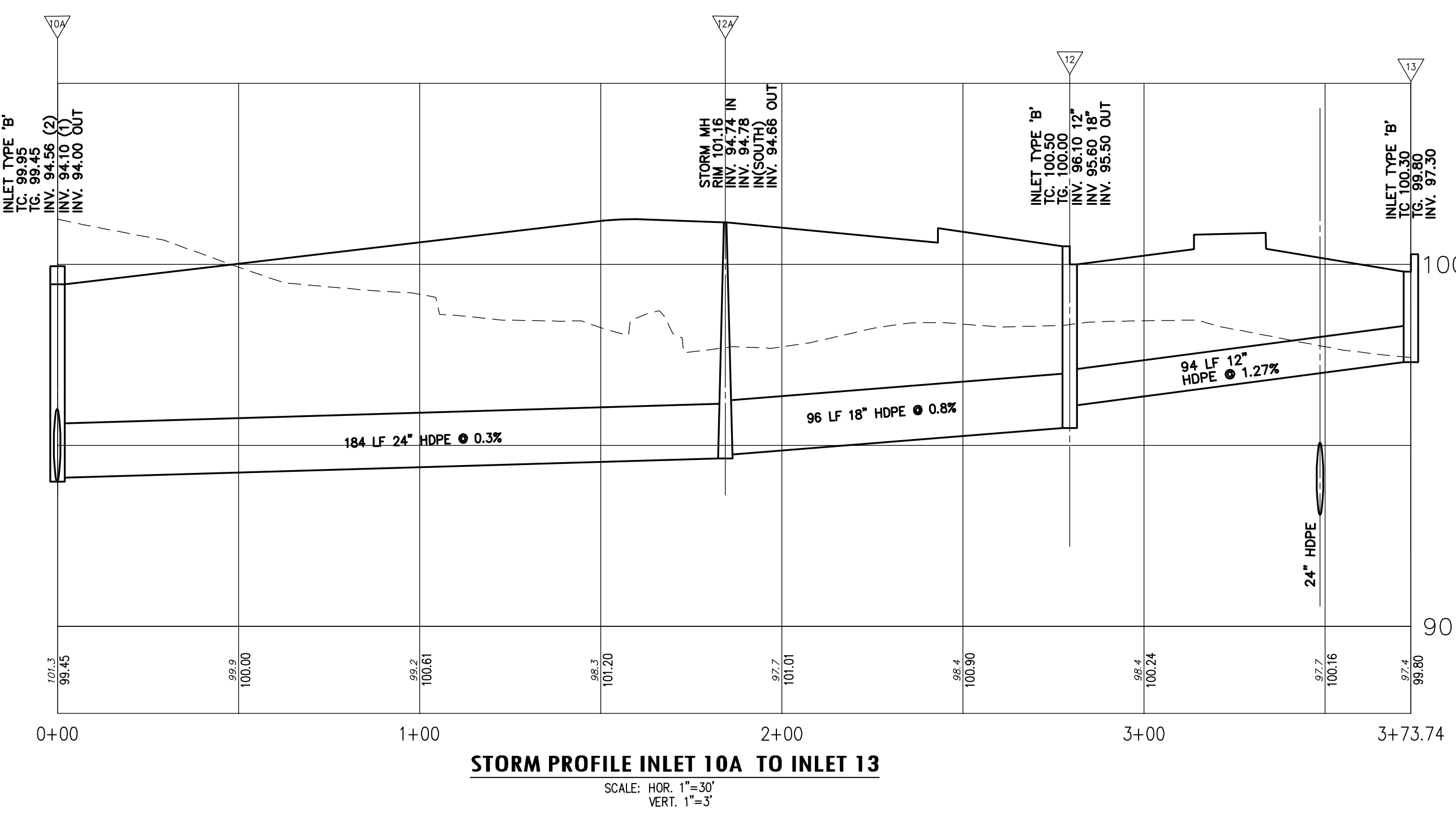
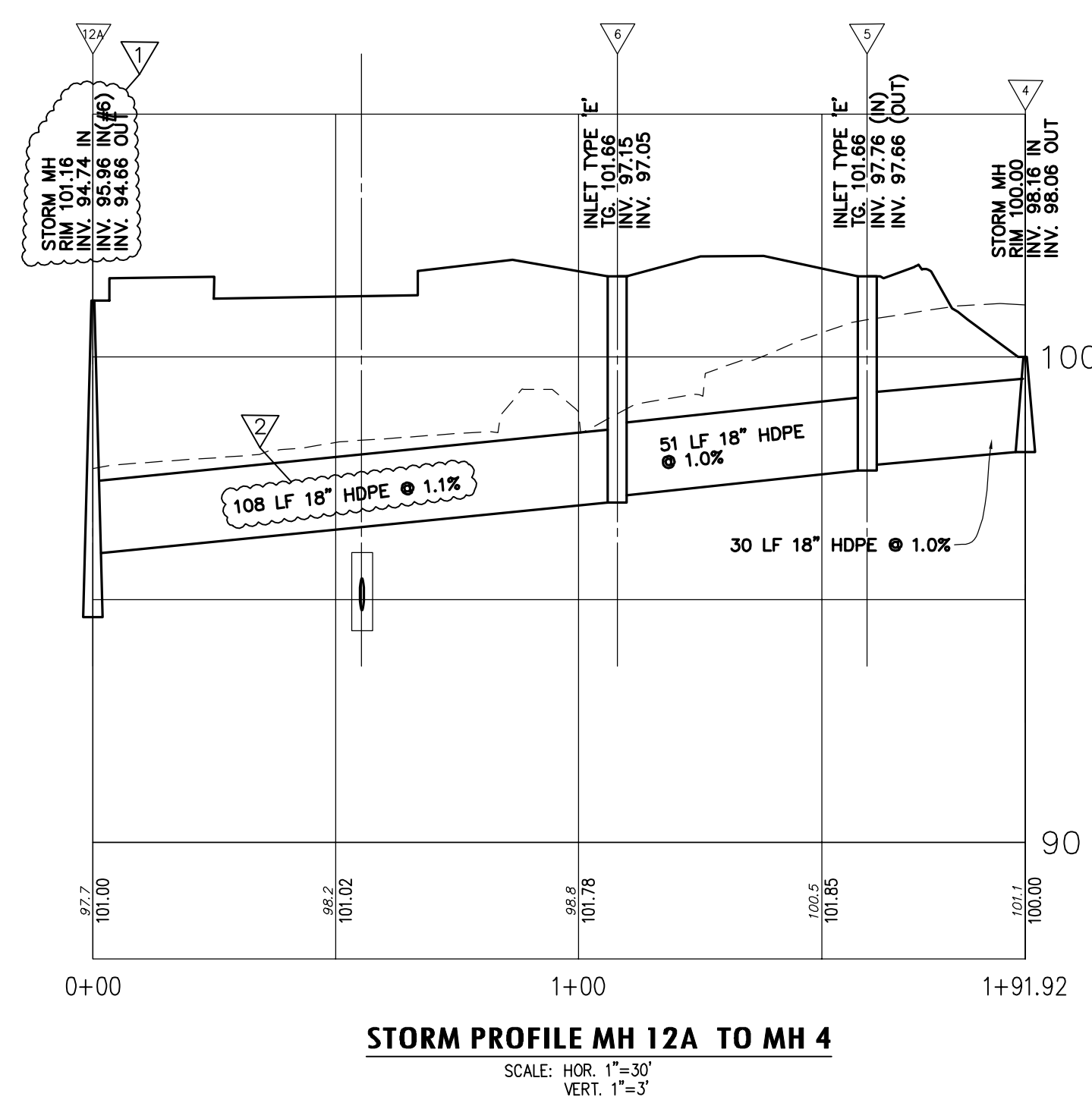
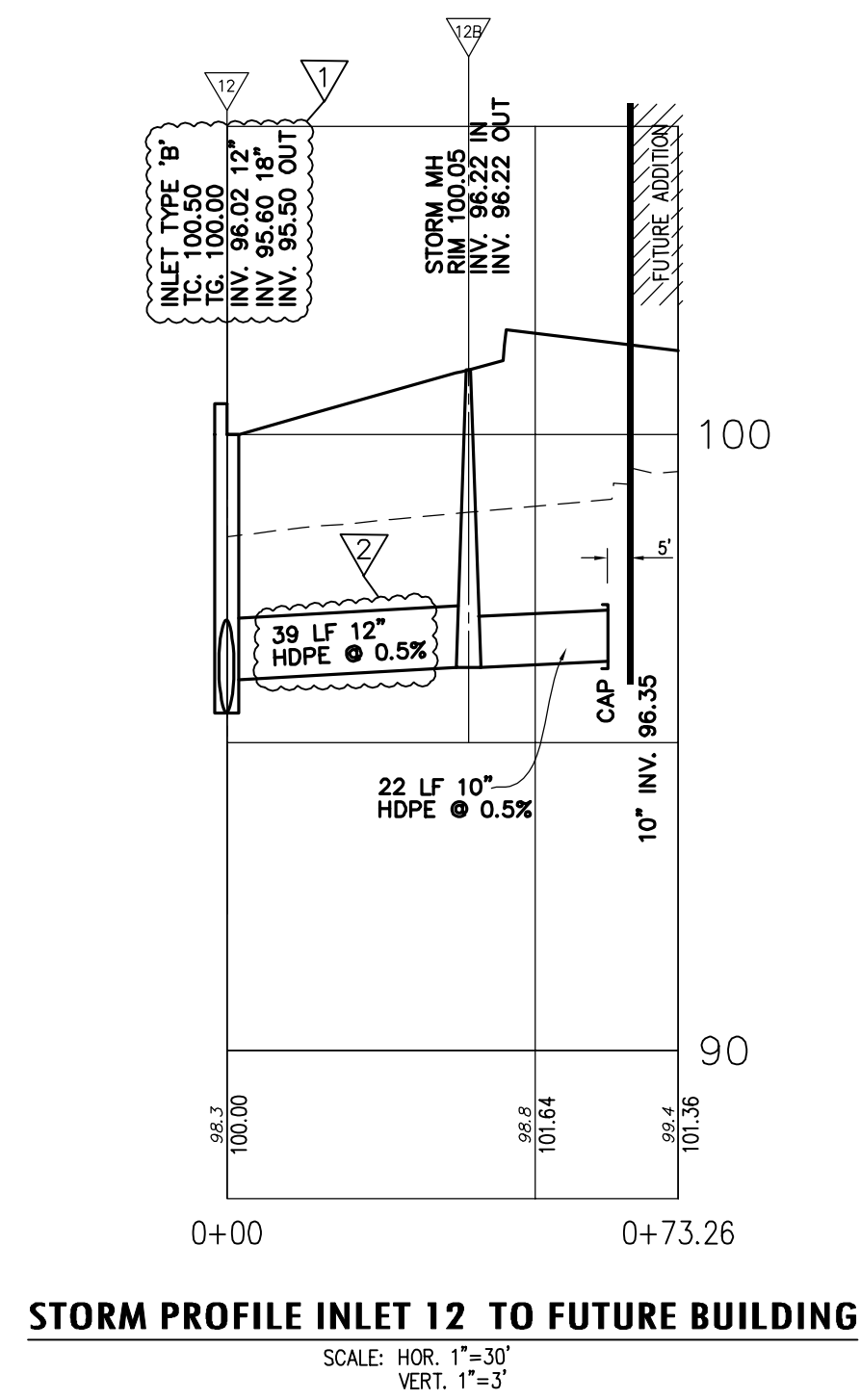
2019 N.J.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS AMENDED OR SUPPLEMENTED SHALL GOVERN THE CONSTRUCTION OF THIS PROJECT



**Van Cleef ENGINEERING ASSOCIATES**  
 CONSULTING CIVIL ENGINEERING  
 REGULAR DESIGN  
 CONSTRUCTION INSPECTION  
 GEOTECHNICAL ENGINEERING  
 WATER/WASTEWATER  
 MUNICIPAL ENGINEERING  
 LAND SURVEYING  
 LANDSCAPE ARCHITECTURE

440 HUNTINGTON NEW JERSEY OFFICE  
 440 HUNTINGTON NEW JERSEY OFFICE  
 EMAIL: CONTACT@VANCLEEFENGINEERING.COM  
 PHONE: 908.223.1000  
 NJ LLC CERT. NO. 2454212300

BY: *[Signature]* DATE: 2/20/20  
 HERBERT J. SEEBURGER, JR. N.J. PROFESSIONAL ENGINEER NO. 245204748700



2019 N.J.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS AMENDED OR SUPPLEMENTED SHALL GOVERN THE CONSTRUCTION OF THIS PROJECT

**FVH D**  
FAYATA VESZ HOPKINS DUNN P.C.  
Corporate: 1515 Lower Ferry Road  
Trenton, New Jersey 08628  
Pennsylvania: 140 Whitaker Avenue  
Mont Clare - Pennsylvania 19453  
F.V.H.D.P.C. C.O.M.

Architect:  
Date: 2/20/20

JOHN J. VESZ, AIA, CSBA  
N.J. 210600021 P.E. #10001  
WILLIAM D. HOPKINS III, AIA, LEED AP  
N.J. 21060001 P.E. #10001  
GEORGE R. DUNNE JR., AIA, RP  
N.J. 210407920

**Project Name**  
Phase 1 Site Work at West Windsor-Plainsboro High School South

**Project Owner Name**  
West Windsor - Plainsboro Regional School District

**Project Location**  
346 Clarksville Rd., West Windsor, New Jersey 08550

**Project Number**  
5063LS / 1808WW

**Project Date**  
02.20.2020

**Checked By**  
GRD

**Drawn By**  
R.R.F.

**Scale**  
AS NOTED

**Drawing Name**  
PROFILES

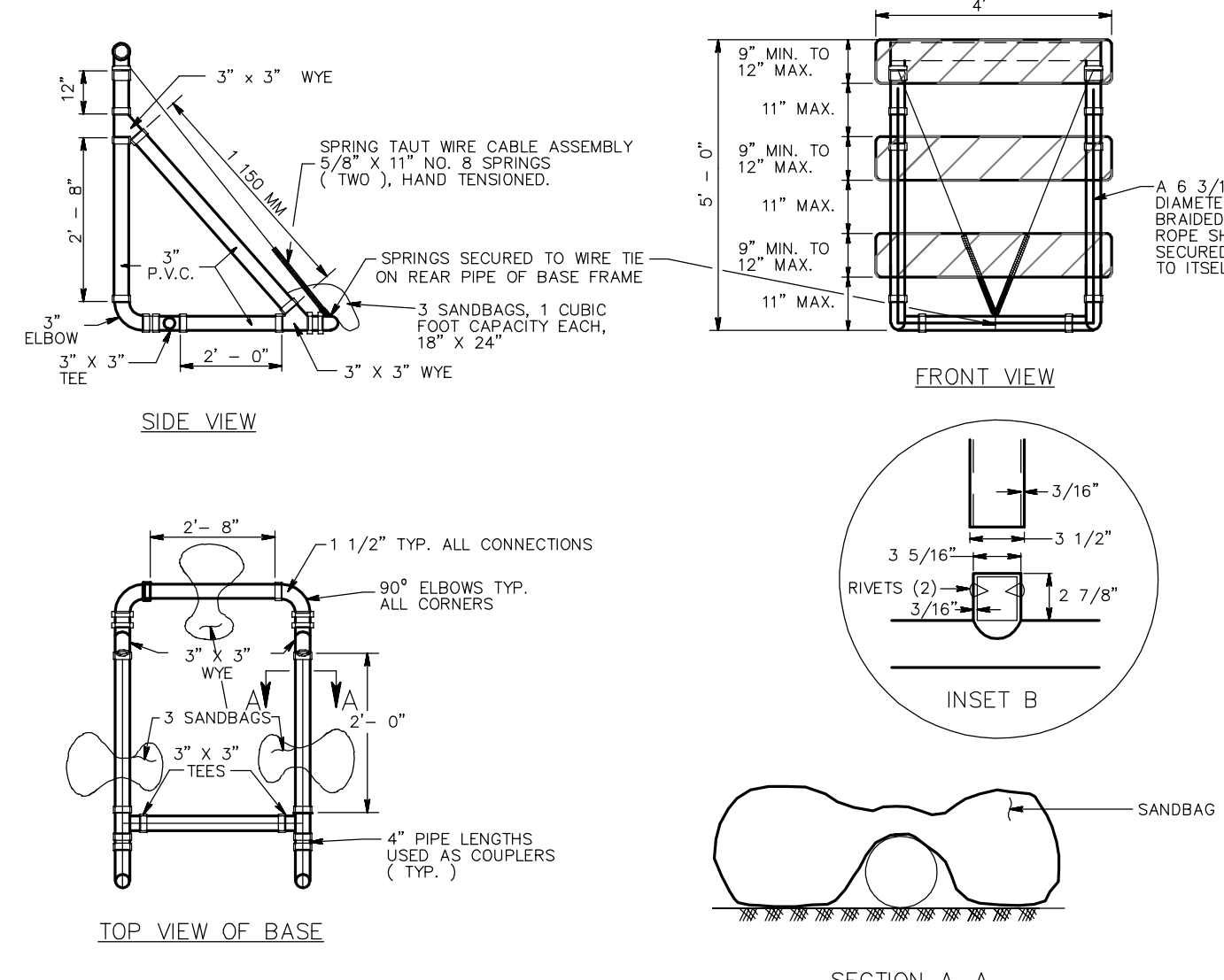
| Revisions |          |                |
|-----------|----------|----------------|
| No.       | Date     | Description    |
| 1         | 02.24.20 | ISSUED FOR BID |
| 3         | 04.13.20 | CHANGE ORDER 1 |

**Drawing Number**  
C107

**Van Cleef ENGINEERING ASSOCIATES**  
A N.J. REGISTERED PROFESSIONAL ENGINEERING FIRM  
1400 CENTRAL NEW JERSEY OFFICE  
4000 CENTRAL NEW JERSEY OFFICE  
EMAIL: CONTACT@VANCLEEFENGINEERING.COM  
WWW.VANCLEEFENGINEERING.COM  
PHONE: (856) 856-1100 FAX: (856) 856-1120  
NJ LLC CERT. NO. 2462812300

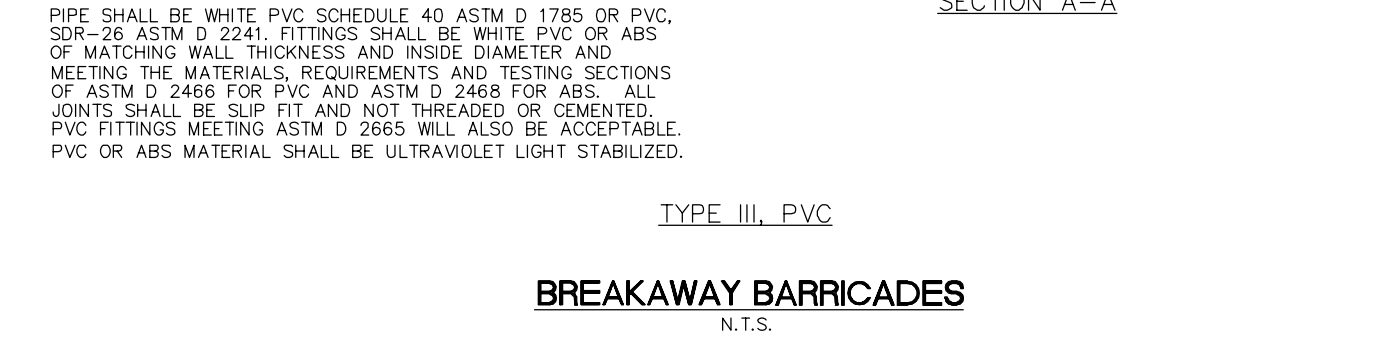
Consulting Civil Engineering  
Bridge Design  
Construction Inspection  
Geotechnical Engineering  
Water / Wastewater  
Municipal Engineering  
Land Surveying  
Professional Planning  
Landscape Architecture

BY: *Herbert J. Seeburger* DATE: 2/20/20  
HERBERT J. SEEBURGER, P.E. N.J. PROFESSIONAL ENGINEER NO. 246204748700

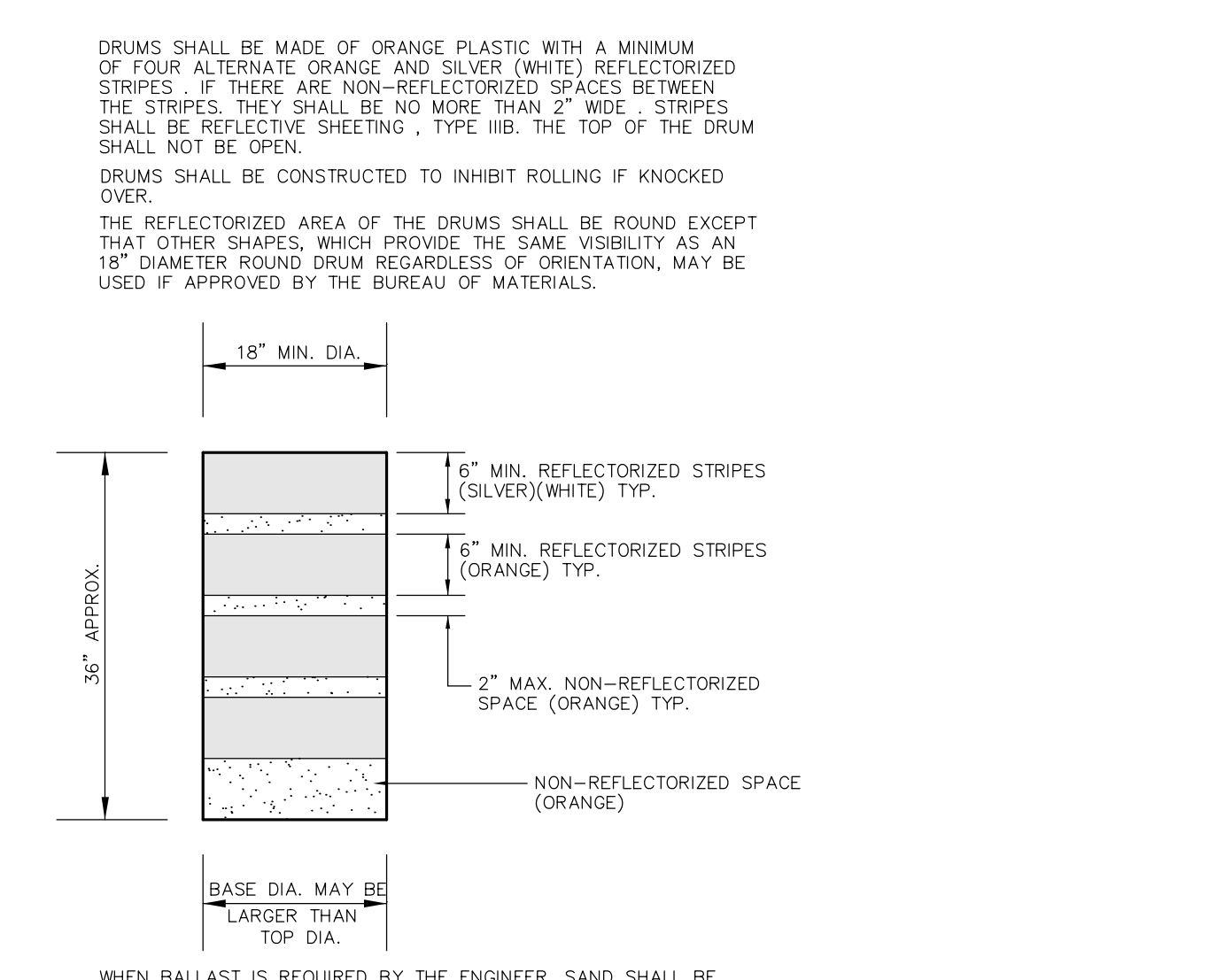


**NOTES:**

- THE 6" X 48" OR 6" X 48" BARRICADE SHALL BE FABRICATED FROM 0.125" MIN. PLASTIC SHEETING AND SHALL BE ATTACHED, 4 PER SIDE, WITH 1/4" DIA. GALV. STEEL RIVETS TO 1/2" DIA. ALUMINUM OR PLASTIC RIVETS. ALL CORNERS SHALL BE ROUNDED. RIVETS SHALL BE FABRICATED FROM 0.125" ANODIZED ALUMINUM OR PLASTIC RIVETS.
- ORANGE AND SILVER (WHITE) STRIPES SHALL BE RETROREFLECTIVE SHEETING, TYPE II OR III-A, AS SHOWN FOR CONSTRUCTION SIGNS. ALTERNATE ORANGE AND SILVER (WHITE) STRIPES 6" WIDE STRIPES (DOWNWARD) AT AN ANGLE OF 45 DEGREES IN THE DIRECTION TRAFFIC IS TO PASS.
- THE 16" X 24" SANDBAGS SHALL BE FABRICATED FROM 0.125" PLASTIC SHEETING AND SHALL HAVE A CAPACITY OF 1 CUBIC FOOT. PLACEMENT OF SANDBAGS SHALL BE AS SHOWN ABOVE.
- SANDBAG PLACEMENT MAY BE ADJUSTED AT THE OPTION OF THE ENGINEER. ALL DIMENSIONS SHALL BE AS SHOWN ABOVE.
- EITHER TYPE III OR TYPE II, PVC CAN BE USED AT THE OPTION OF THE CONTRACTOR.



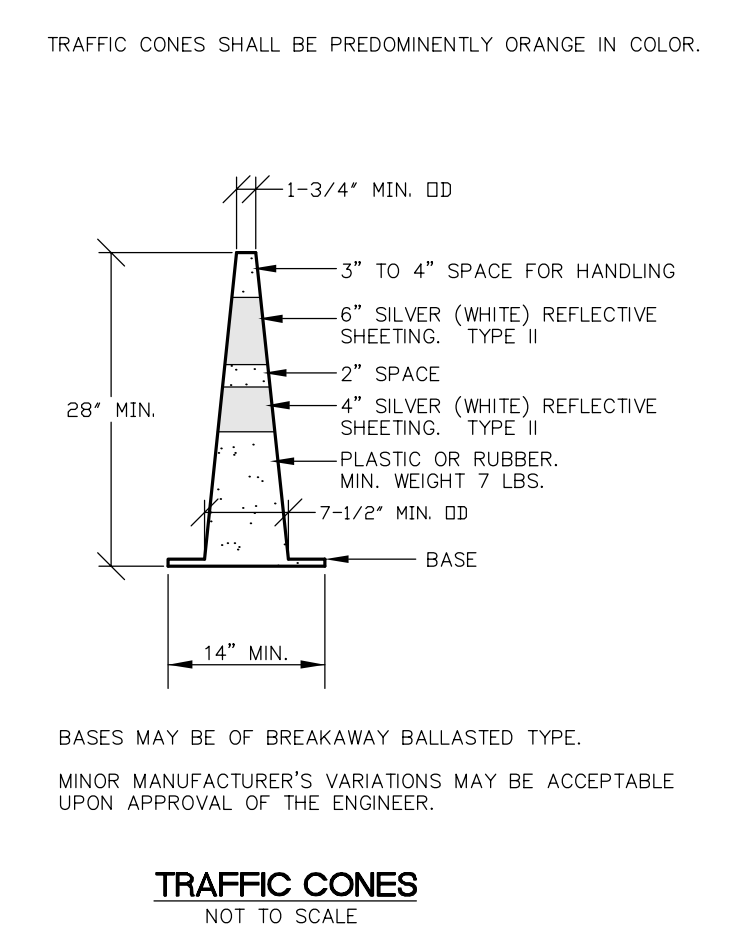
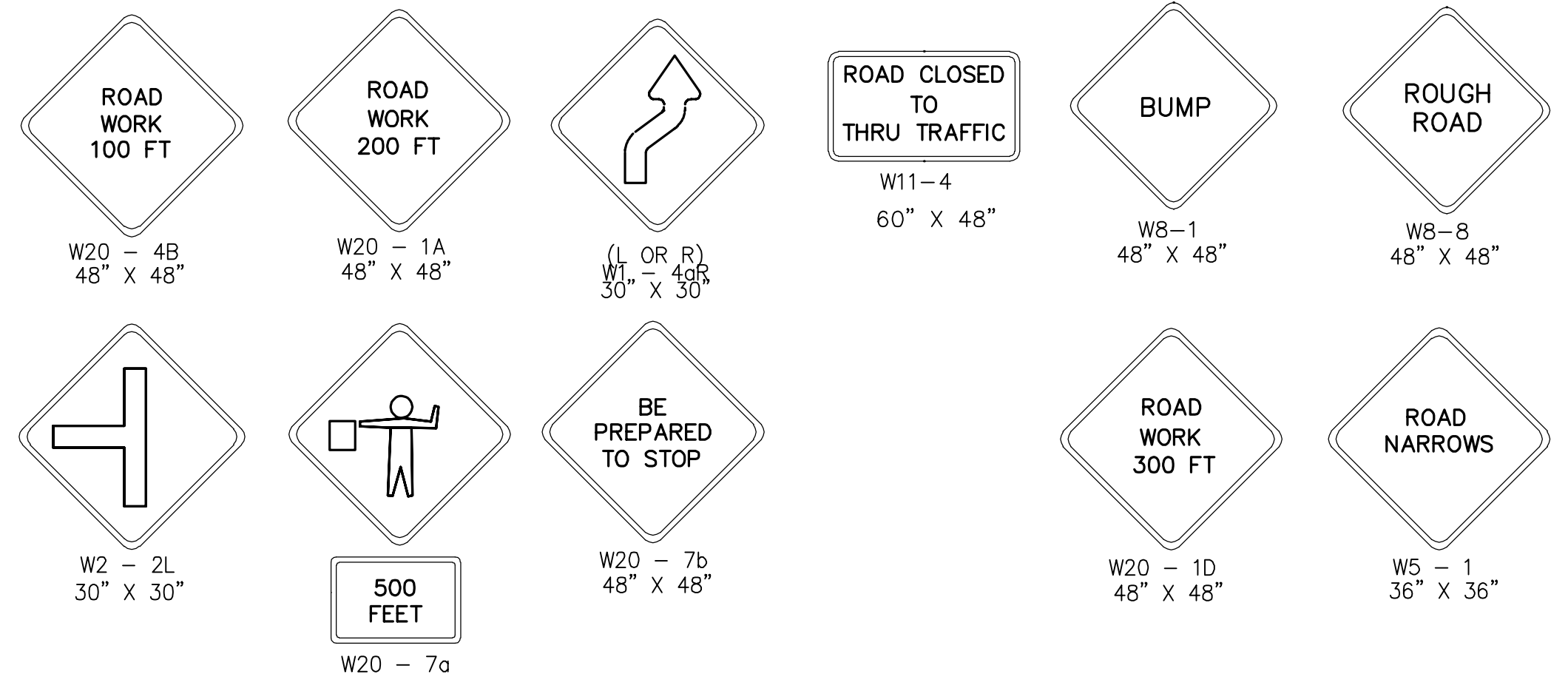
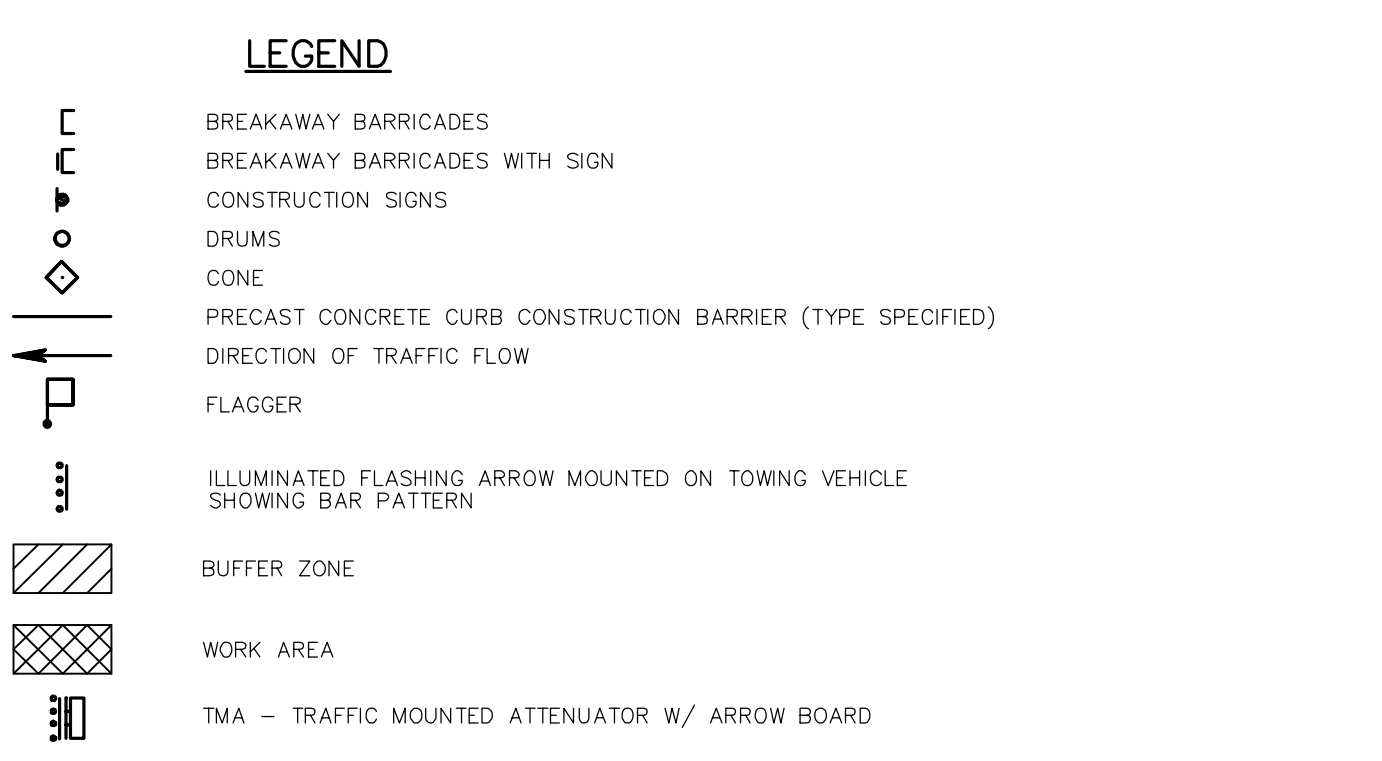
**BREAKAWAY BARRICADES**  
N.T.S.



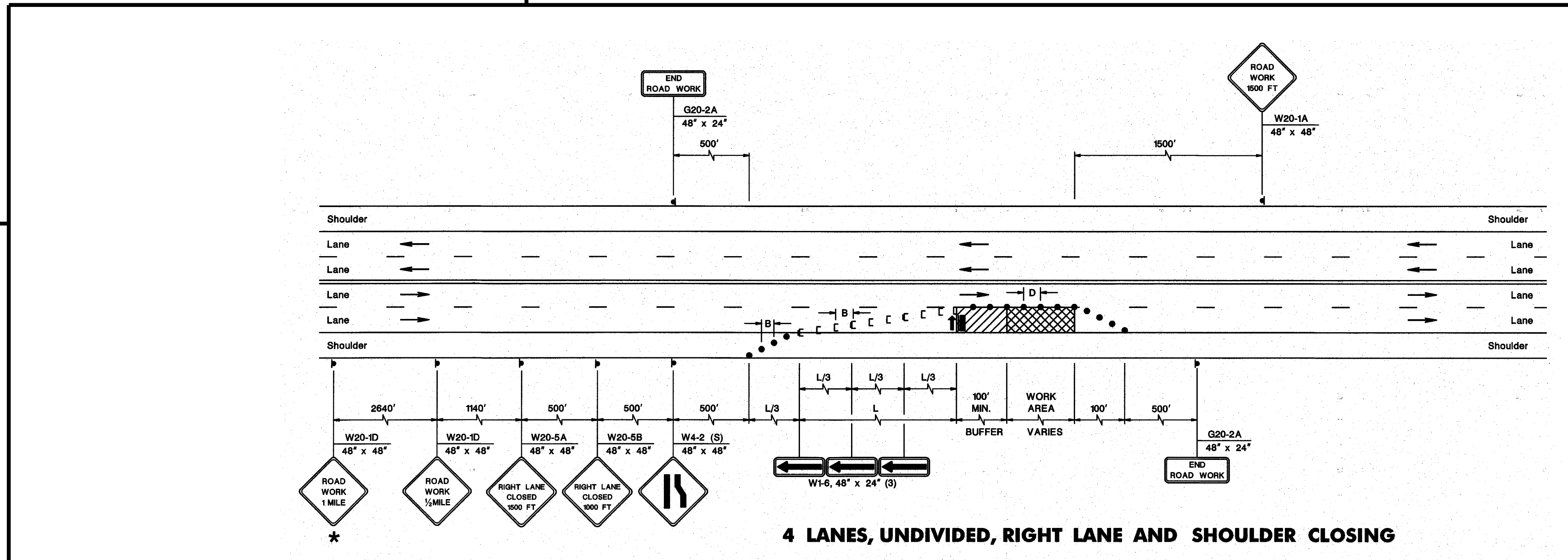
**DRUMS**  
N.T.S.

**GENERAL NOTES:**

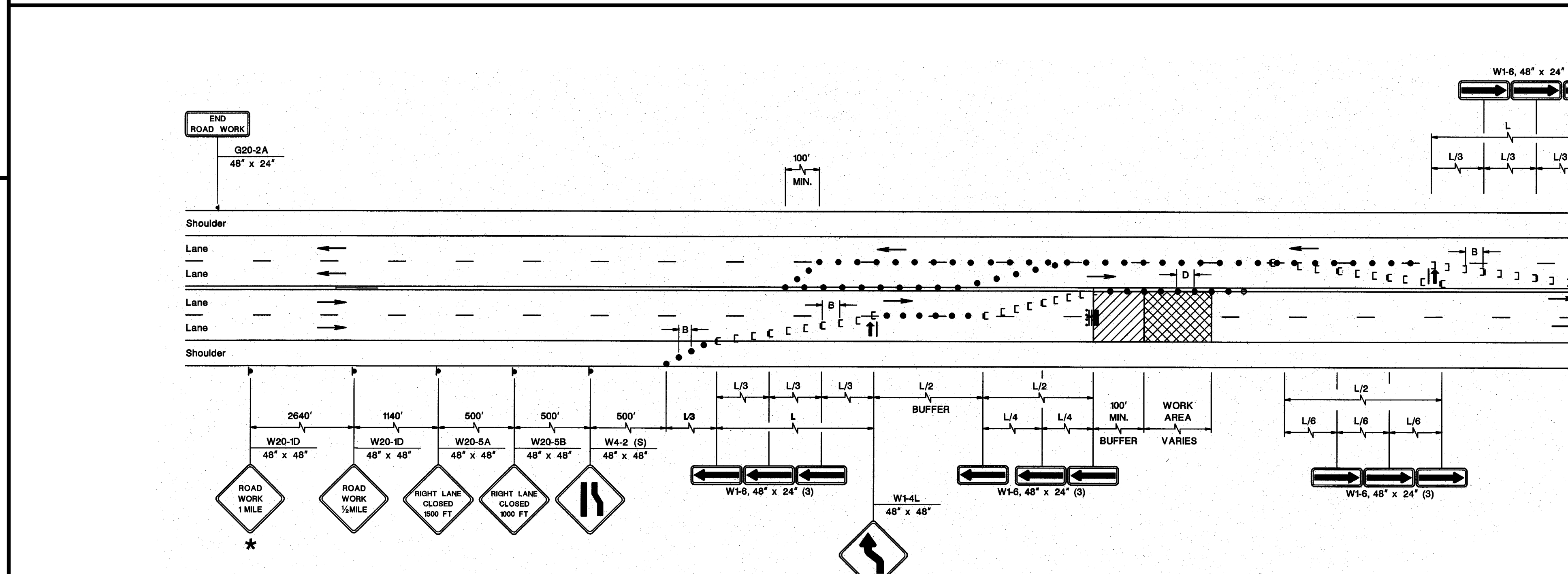
- ADVANCE WARNING SIGNS AND TAPERS SHOULD BE EXTENDED AS SHOWN DISTANCES. DISTANCES MAY BE ADJUSTED FOR REDUCED VISIBILITY DUE TO THE HORIZONTAL AND VERTICAL CURVATURE OF THE ROADWAY. TAPERS MAY ALSO BE EXTENDED FOR PREVAILING SPEEDS.
- CONSTRUCTION SIGNS WB-2A AND WB-1A SHALL BE USED WHEN SUCH PAVEMENT CONDITIONS EXIST. THE PLACEMENT OF THESE SIGNS SHALL BE AS DIRECTED BY THE ENGINEER.
- CONSTRUCTION SIGNS WB-1A SHALL BE PLACED AT THE INTERSECTING STREETS WHICH ARE CLOSED TO TRAFFIC BECAUSE OF CONSTRUCTION.
- A W-6 SIGN MOUNTED ON A BREAKAWAY BARRICADE AND CENTERED ON THE CLOSED ROAD SHALL BE LOCATED 10 FEET BEYOND EACH INTERSECTION OR MAIN ACCESS POINT WITHIN THE AREA OF A LANE OR SHOULDER CLOSURE.
- CONES MAY BE SUBSTITUTED FOR DRUMS UPON APPROVAL OF THE ENGINEER.
- ALL CONFLICTING STRIPES SHALL BE REMOVED.
- REMOVABLE PAVEMENT MARKING TAPE OR OTHER MEANS OF TRAFFIC CONTROL SHALL BE UTILIZED WHERE LANE SHIFTS ARE REQUIRED ON INTERMEDIATE OR TOP PAVEMENT LAYERS OR ON EXISTING PAVEMENTS NOT BEING REPAIRED.
- UNLESS OTHERWISE SPECIFIED, TRAFFIC PAINT SHALL BE USED WHEN TRAFFIC STRIPES OR TRAFFIC MARKINGS ARE REQUIRED ON INTERMEDIATE PAVEMENT LAYERS THAT NEED TO BE OPENED TO TRAFFIC DUE TO STAGE CONSTRUCTION.



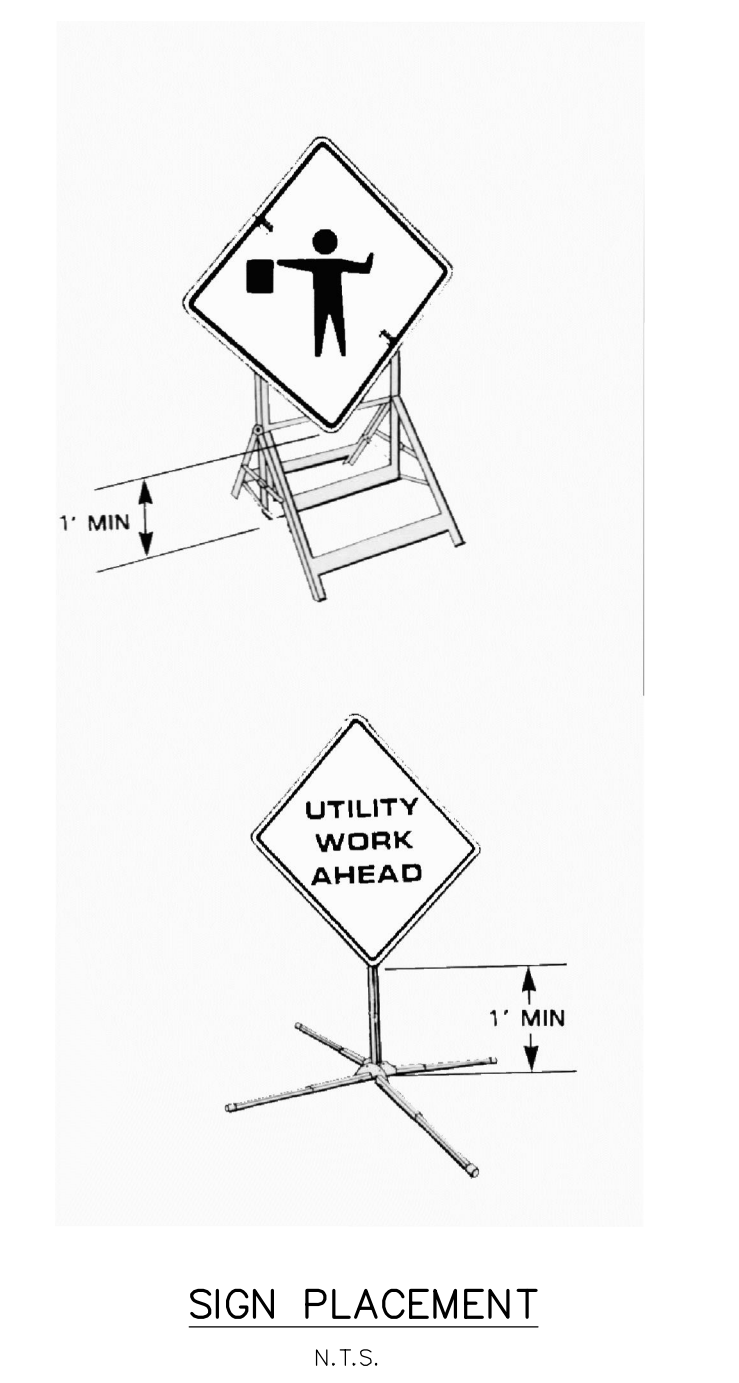
**TRAFFIC CONES**  
NOT TO SCALE



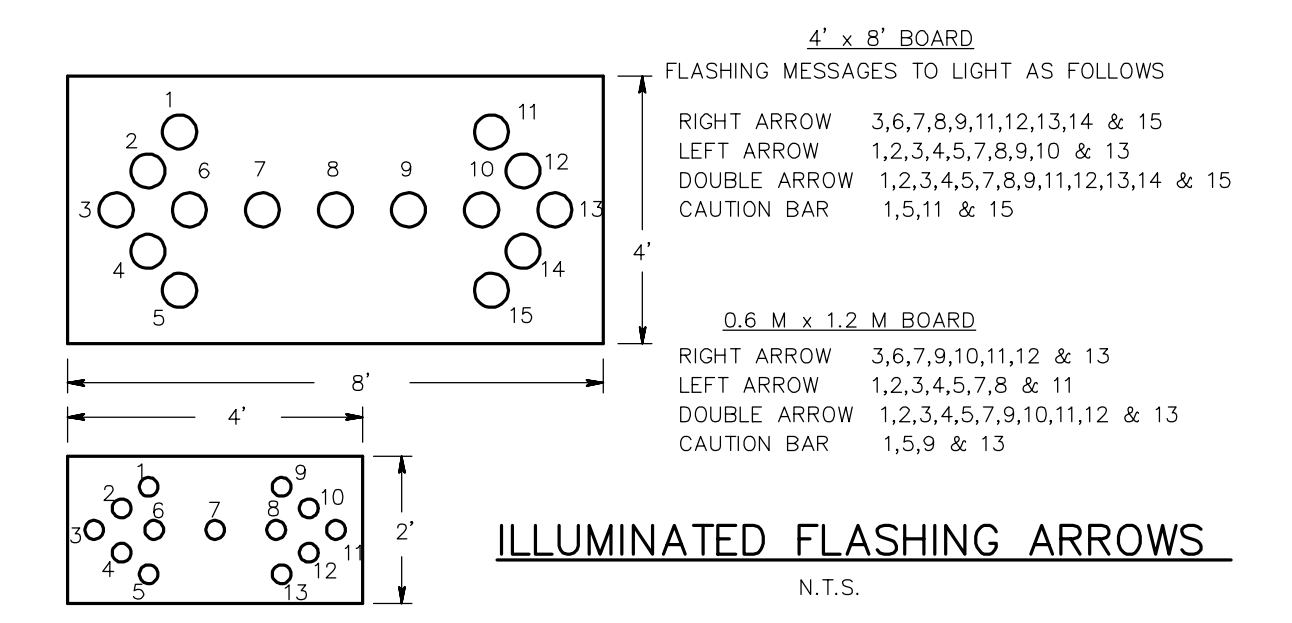
**4 LANES, UNDIVIDED, RIGHT LANE AND SHOULDER CLOSING**



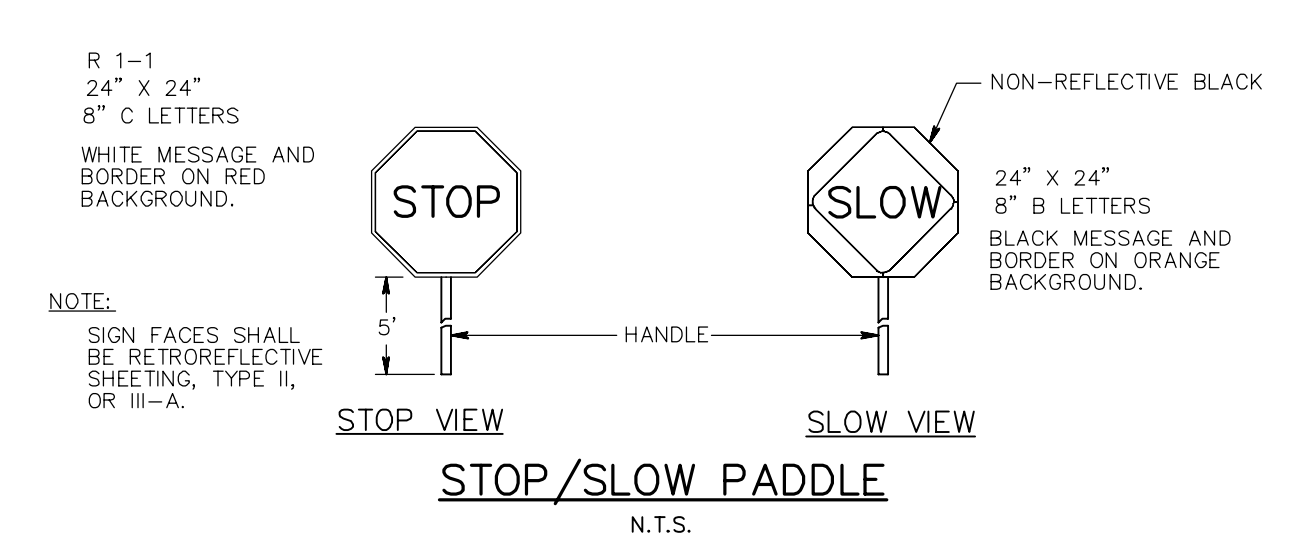
**4 LANES, UNDIVIDED, 2 LANES AND SHOULDER ONE DIRECTION CLOSING**



**SIGN PLACEMENT**  
N.T.S.



**ILLUMINATED FLASHING ARROWS**  
N.T.S.



**STOP/SLOW PADDLE**  
N.T.S.

| REGULATORY APPROXIMATE SPEED ON ROADWAY (MILES/HOUR) | RECOMMENDED TAPER LENGTH AND SPACING FOR CHANNELIZING TAPERS |                              | RECOMMENDED SPACING ALONG TANGENTS     |  |
|--|--|------------------------------|--|--|
|  | MINIMUM TAPER RATIO IN LENGTH PER FOOT OF WIDTH              | MINIMUM TAPER LENGTH IN FEET | MAXIMUM SPACING ALONG TANGENTS IN FEET | MAXIMUM SPACING ALONG TANGENTS IN FEET |
| 25   | 10:1   | 105                          | 115                                    | 125                                    |
| 30   | 15:1   | 150                          | 165                                    | 180                                    |
| 35   | 20:1   | 210                          | 235                                    | 255                                    |
| 40   | 25:1   | 285                          | 315                                    | 345                                    |
| 45   | 30:1   | 360                          | 405                                    | 450                                    |
| 50   | 35:1   | 450                          | 510                                    | 570                                    |

NOTE: CONTRACTOR TO PROVIDE A SAFE PASSABLE ROUTE AT ALL TIMES FOR LOCAL RESIDENTS, EMERGENCY VEHICLES, SCHOOL BUSES, GARBAGE TRUCKS & MAIL TRUCKS.

2019 N.J.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS AMENDED OR SUPPLEMENTED SHALL GOVERN THE CONSTRUCTION OF THIS PROJECT

**Van Cleaf ENGINEERING ASSOCIATES**  
CONSULTING CIVIL ENGINEERING  
BRIDGE DESIGN  
HYDRAULIC DESIGN  
CONSTRUCTION INSPECTION  
GEOLOGICAL ENGINEERING  
WATER/WASTEWATER  
HAZARDOUS ENGINEERING  
LAND SURVEYING  
PROFESSIONAL PLANNING  
LANDSCAPE ARCHITECTURE

400 MAIN STREET, SUITE 103, HANESBORO, NJ 08829  
EMAIL: CONTRACTOR@VANCLEAFENGINEERING.COM  
WWW.VANCLEAFENGINEERING.COM  
PHONE: (908) 689-1100 FAX: (908) 689-1105  
NJ LIC. CERT. NO. 24628-32300

By: *Herbert J. Seeburger, Jr.* DATE: 2/29/20  
HERBERT J. SEEBURGER, JR., N.J. PROFESSIONAL ENGINEER NO. 24624748700

NJICA Electronic Release Stamp

**QFVHD**  
Franklin Vespe Hopkins Dunfee P.C.  
Corporate: 1515 Lower Ferry Road  
Trenton, New Jersey 08628  
Pennsylvania: 140 Whitaker Avenue  
Mont Clear - Pennsylvania 19453  
F.V.H.D.P.C.C.O.M.

JOHN J. VESPE, AIA, CSBA  
N.J. Professional Engineer  
WILLIAM D. HOPKINS III, AIA, LEED AP  
N.J. Professional Engineer  
N.J. 246280007 P.A. 16023008  
GEORGE R. DUNFEE, JR., AIA, FP  
N.J. 246280000 P.A. 16023008

Project Name  
**Phase 1 Site Work at West Windsor-Plainsboro High School South**

Project Owner Name  
**West Windsor - Plainsboro Regional School District**

Project Location  
**346 Clarksville Rd., West Windsor, New Jersey 08550**

Project Number  
**5063LS / 1808WW**

Project Date  
**02.20.2020**

Checked By  
**GRD**

Drawn By  
**R.R.F.**

Scale  
**AS NOTED**

Drawing Name  
**TRAFFIC CONTROL DETAILS & NOTES**

| Revisions |          |                |
|-----------|----------|----------------|
| No.       | Date     | Description    |
| 1         | 02.24.20 | ISSUED FOR BID |

Drawing Number  
**C108**



PRINCETON - HIGHTSTOWN ROAD  
(VARIABLE RIGHT OF WAY)

**LEGEND**

| EXISTING | PROPOSED |
|----------|----------|
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**GENERAL NOTES**

- THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE SEARCH. THEREFORE THIS PROPERTY MAY BE SUBJECT TO ADDITIONAL EASEMENTS, RIGHT OF WAY, COVENANTS, ETC. AS MAY BE DISCLOSED IN A CURRENT COMPREHENSIVE TITLE SEARCH.
- DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29), BASED ON REF. MAP N-1.
- THIS MAP REFLECTS EXISTING SITE CONDITIONS AS A RESULT OF A PARTIAL TOPOGRAPHIC FIELD SURVEY PERFORMED BY VAN CLEEF ENGINEERS ON 04/09/19.
- NO CERTIFICATION IS MADE BY VECA AS TO THE ACTUAL UNDERGROUND POSITION OF ANY UTILITIES OR TO THE COMPLETENESS AND ACCURACY OF UTILITY INFORMATION PROVIDED BY OTHERS. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATION OF ALL EXISTING AND PROPOSED UTILITIES PRIOR TO THE START OF ANY CONSTRUCTION ON THIS PROJECT. THE ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION OF ANY CONFLICTS.
- IT IS RECOMMENDED THAT THE UTILITY COMPANIES BE NOTIFIED PRIOR TO ANY EXCAVATION AND/OR CONSTRUCTION. CALL 1-800-272-1000 TO ORDER UTILITY MARK OUTFITS.
- THIS PLAN IS NOT VALID UNLESS EMBOSSED WITH THE SEAL OF THE UNDERSIGNED PROFESSIONAL ENGINEER.
- WETLANDS INFORMATION TAKEN FROM PLAN ENTITLED "BOUNDARY AND WETLANDS SURVEY FOR HIGH SCHOOL SOUTH" PREPARED BY SITE WORKS CONSULTANTS, INC. DATED 11/3/08.

**REFERENCE MAPS**

- "TOPOGRAPHIC SURVEY PLAN OF THE HIGH SCHOOL SOUTH FOR THE WEST WINDSOR - PLAINSBORO BOARD OF EDUCATION" AS PREPARED BY SITEWORKS CONSULTANTS INC. REV. TO 8/7/06 AND MARKED AS FILE 50-1.
- "BOUNDARY AND WETLANDS SURVEY OF THE HIGH SCHOOL SOUTH FOR THE WEST WINDSOR - PLAINSBORO BOARD OF EDUCATION" AS PREPARED BY SITEWORKS CONSULTANTS INC. REV. TO 11/13/08 AND MARKED AS FILE 50-2.
- "TOPOGRAPHIC AND WETLANDS SURVEY FOR THE WEST WINDSOR - PLAINSBORO HIGH SCHOOL SOUTH, BLOCK 17.13, LOT 2, 150 & 156" AS PREPARED BY VAN CLEEF ENGINEERING ASSOCIATES DATED NOV. 9, 2018.
- ADDITIONS AND ALTERATIONS TO THE HIGH SCHOOL SOUTH FOR THE WEST WINDSOR - PLAINSBORO BOARD OF EDUCATION PREPARED BY VAN CLEEF ENGINEERING ASSOC. DATED 2/17/07 C1098.
- ADDITIONS AND ALTERATIONS TO THE HIGH SCHOOL SOUTH FOR THE WEST WINDSOR - PLAINSBORO BOARD OF EDUCATION PREPARED BY FABRY THOMAS MADSON P.A. DATED 3/30/89.

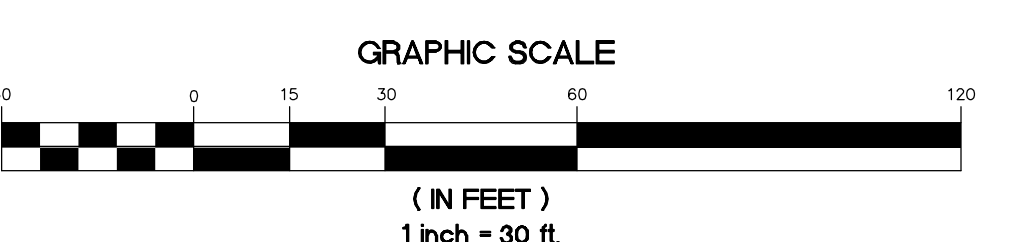
**CONSTRUCTION NOTES**

- CONTRACTOR TO PROVIDE SECURE STAGING AREA ON-SITE. LOCATION TO BE AGREED UPON BY SCHOOL.
- CONTRACTOR TO PROVIDE EMERGENCY ACCESS TO SCHOOL AT ALL TIMES.
- ANY SEDIMENT DRIPPED, SPILLED OR TRACKED ON PAVED SURFACES TO BE REMOVED IMMEDIATELY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL/ANY SOIL, SLOPE OR EROSION PERMITS INCLUDING FEES.
- ALL SOIL SHALL STAY ON-SITE. NO EXCAVATED SOIL SHALL BE REMOVED FROM THE SITE WITH OUT WRITTEN PERMISSION FROM THE SCHOOL BOARD.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL ON-SITE SAFETY AND SECURITY. ALL SAFETY PRECAUTIONS MUST BE OBSERVED AND MAINTAINED THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL/ANY ON-SITE SAFETY AND SECURITY. THE COSTS OF ON-SITE SAFETY AND SECURITY SHALL BE INCLUDED IN THE CONTRACT PRICE.
- ALL DISTURBED AREAS TO BE STABILIZED WITH 5 INCHES OF TOP SOIL, SEED, FERTILIZER, LIME, MULCH AND TACK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE EXISTING INFRASTRUCTURE. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY AND ALL OF THE EXISTING INFRASTRUCTURE THE CONTRACTOR DAMAGED DURING THE PROJECT AT NO ADDITIONAL COST.
- ALL STORM SEWER PIPE LENGTHS SHOWN ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
- THE CONCRETE SIDEWALK TO BE ADA COMPLIANT WITH A MAX. CROSS SLOPE OF 3.0% AND A MAX. RUNNING SLOPE OF 3.0%. SIDEWALK WITH A RUNNING SLOPE GREATER THAN 5% REQUIRES AN ADA COMPLIANT HANDRAIL. NO SIDEWALK SHALL BE A RUNNING SLOPE GREATER THAN 5%.
- CONTRACTOR TO USE CARE WHILE DRIVING CONSTRUCTION VEHICLES OVER EXISTING CURB AND SIDEWALKS NOT DESIGNATED TO BE REMOVED. CURB AND SIDEWALKS TO BE RESTORED TO ORIGINAL FINISH BY THE CONTRACTOR AT HIS/HER EXPENSE.
- UNDERGROUND UTILITIES SHOWN ARE BASED ON PHYSICAL EVIDENCE FOUND. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL DETERMINE THE LOCATION AND DEPTH OF THE EXISTING UTILITY TO WHICH THE CONNECTION IS BEING MADE BEFORE LAYING PIPE. CONDUITS, ETC. TO BE INSTALLED SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ITEMS MEET OR EXCEED THE REQUIREMENTS OF THE MANUFACTURER'S INSTRUCTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL/ANY ON-SITE SAFETY AND SECURITY. THE COSTS OF ON-SITE SAFETY AND SECURITY SHALL BE INCLUDED IN THE CONTRACT PRICE.
- ALL LOAD-BEARING FILL SHOULD BE CONTROLLED FILL. CONTROLLED FILL SHOULD BE PLACED IN LOOSE HORIZONTAL LIFTS COMPACTED WITH A HEAVY DUTY TAMP OR ROLLER TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE WEST WINDSOR - PLAINSBORO BOARD OF EDUCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL/ANY ON-SITE SAFETY AND SECURITY. THE COSTS OF ON-SITE SAFETY AND SECURITY SHALL BE INCLUDED IN THE CONTRACT PRICE.
- CONTRACTOR SHALL REFER TO PHASING PLANS FOR CONSTRUCTION SEQUENCE OF CIVIL SITE WORK.
- COMPARISON WITH 5 FEET FROM THE EXISTING FACILITIES SHOULD BE CONDUCTED USING A LIGHT COMPACTOR SUCH AS A COMPACTOR 100 LB OR LIGHTER NOT TO CAUSE ANY DAMAGE. THE SOIL SHOULD BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D 1557).
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURVEY WORK REQUIRED TO STAKE OUT SITE FEATURES DURING CONSTRUCTION.
- ADDITIONAL TEMPORARY AND PERMANENT CONTROL OF SURFACE WATER RUNOFF WILL BE REQUIRED IN ORDER TO ALLOW SITE PROGRESS DURING AND CONSTRUCTION TO PROTECT EXISTING SURFACE WATER RUNOFF AND SOIL PREPARATION SPECIES. EXISTING CHANNELS SHALL BE PROTECTED AND MAINTAINED THROUGHOUT THE PROJECT. A DETAILED WATER CONTROL PLAN SHALL BE SUBMITTED TO THE SCHOOL BOARD FOR REVIEW AND APPROVAL. ANY WATER CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE PROJECT.
- THE ON-SITE EXCAVATED SOILS ARE GENERALLY CONSIDERED SUITABLE FOR USE AS STRUCTURAL FILL. IT SHOULD BE ANTICIPATED COMPACTED AS SHOWN IN THE EXISTENTIAL REPORT. CONTROLLING THE MOISTURE OF THE ON-SITE EXCAVATED SOILS TO BE COMPACTED IS THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL/ANY ON-SITE SAFETY AND SECURITY. THE COSTS OF ON-SITE SAFETY AND SECURITY SHALL BE INCLUDED IN THE CONTRACT PRICE.
- CONTRACTOR SHALL PROVIDE ADEQUATE AS-BUILT DRAWINGS FOR ALL SITE AND UTILITY WORK AS BUILT DRAWINGS SHALL INCLUDE ALL EXISTING AND PROPOSED UTILITIES AND STRUCTURES. ALL EXISTING AND PROPOSED UTILITIES AND STRUCTURES SHALL BE SHOWN ON THE AS-BUILT DRAWINGS. ALL AS-BUILT DRAWINGS ON PAPER MUST BE PROVIDED WITHIN 30 DAYS OF THE END OF THE PROJECT. ALL AS-BUILT DRAWINGS MUST BE PROVIDED WITHIN 30 DAYS OF THE END OF THE PROJECT. ALL AS-BUILT DRAWINGS MUST BE PROVIDED WITHIN 30 DAYS OF THE END OF THE PROJECT. ALL AS-BUILT DRAWINGS MUST BE PROVIDED WITHIN 30 DAYS OF THE END OF THE PROJECT.

811  
Call Before You Dig  
1-800-272-1000

LLAME ANTES DE EXCAVAR  
1-800-272-1000  
Dig Safely

2019 N.J.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS AMENDED OR SUPPLEMENTED SHALL GOVERN THE CONSTRUCTION OF THIS PROJECT



**Van Cleef ENGINEERING ASSOCIATES**  
A PROFESSIONAL NEW JERSEY OFFICE  
1400 WILKINSON AVENUE  
MOUNT CLARE, NEW JERSEY 08053  
TEL: 609-272-1000 FAX: 609-272-1001  
WWW.VANCLEEFENGINEERING.COM

Consulting Civil Engineering  
Bridge Design  
Highway Design  
Construction Inspection  
Geotechnical Engineering  
Water/Wastewater  
Municipal Planning  
Land Surveying  
Professional Planning  
Landscape Architecture  
NJ LIC. CERT. NO. 24624812300

BY:

HERBERT J. SEEBURGER, JR. N.J. PROFESSIONAL ENGINEER NO. 24624812300 DATE: 2/20/20

Project Name  
**Phase 1 Site Work at West Windsor-Plainsboro High School South**

Project Owner Name  
**West Windsor - Plainsboro Regional School District**

Project Location  
**346 Clarksville Rd., West Windsor, New Jersey 08550**

Project Number  
**5063LS / 1808WW**

Project Date  
**02.20.2020**

Checked By  
**GRD**

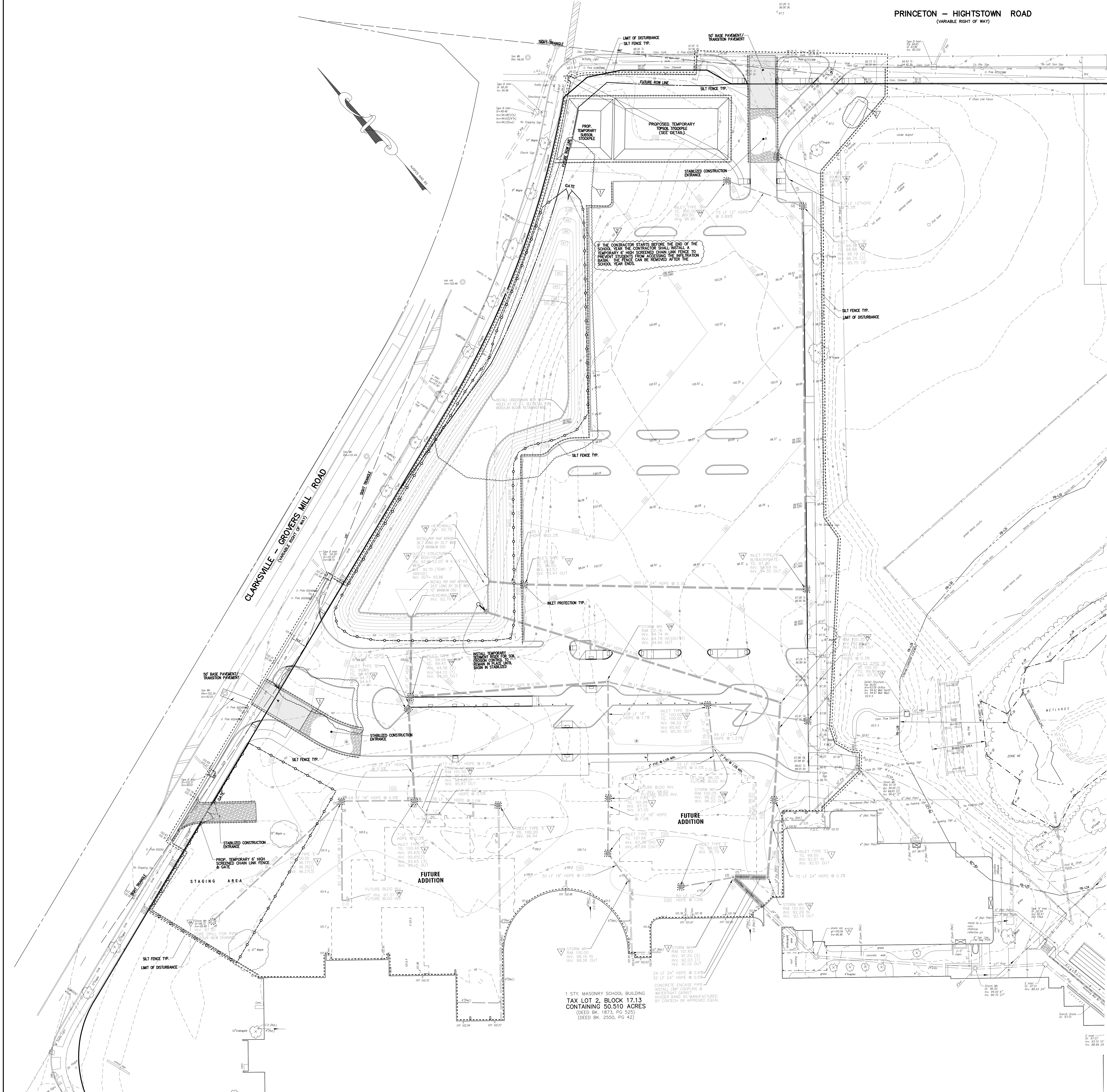
Drawn By  
**R.R.F.**

Scale  
**1"=30'**

Drawing Name  
**SOIL EROSION & SEDIMENT CONTROL PLAN**

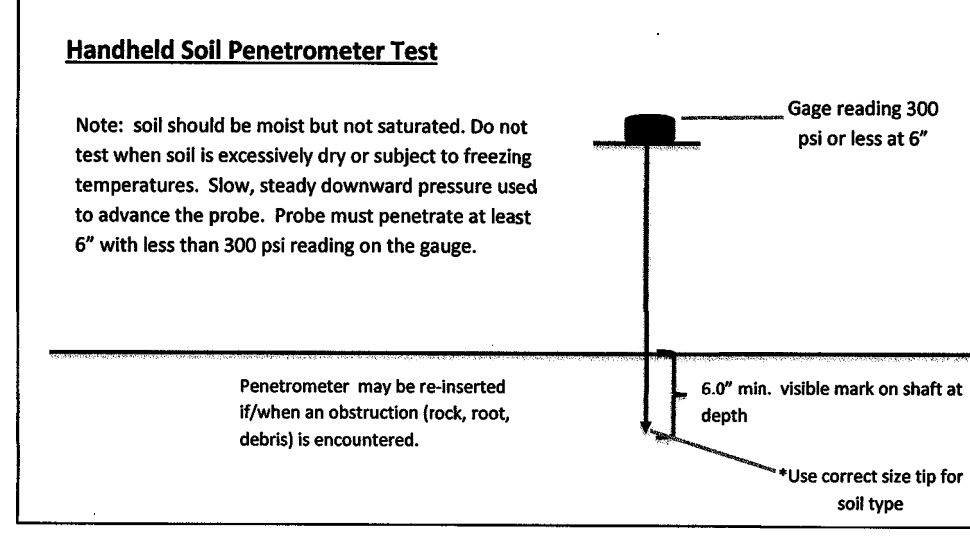
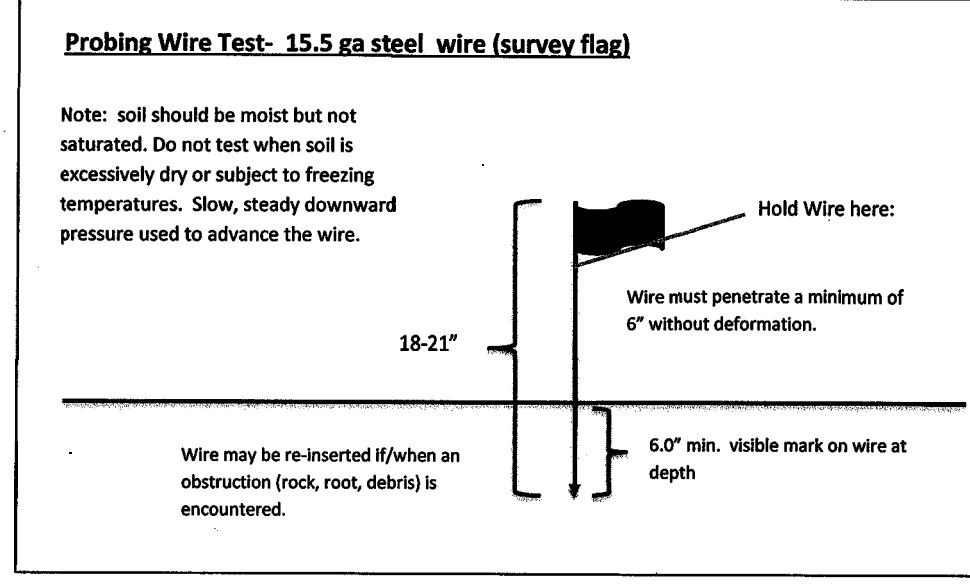
| Revisions | No. | Date     | Description    |
|-----------|-----|----------|----------------|
|           | 1   | 02.24.20 | ISSUED FOR BID |
|           | 2   | 03.12.20 | ADDENDUM 2     |
|           | 3   | 03.17.20 | REV PER M/CSD  |
|           | 4   | 04.13.20 | CHANGE ORDER 1 |

Drawing Number  
**C109**



1 STY. MASONRY SCHOOL BUILDING  
TAX LOT 2, BLOCK 17.13  
CONTAINING 50.51 ACRES  
(DEED BK. 1873, PG 525)  
(DEED BK. 2550, PG 42)

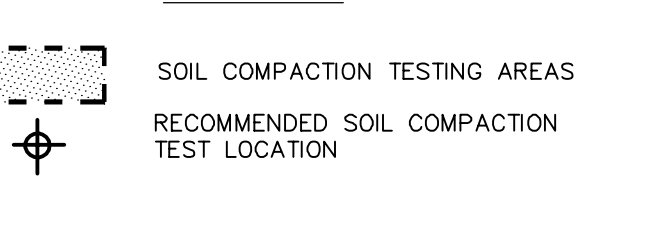
Simplified Testing Methods



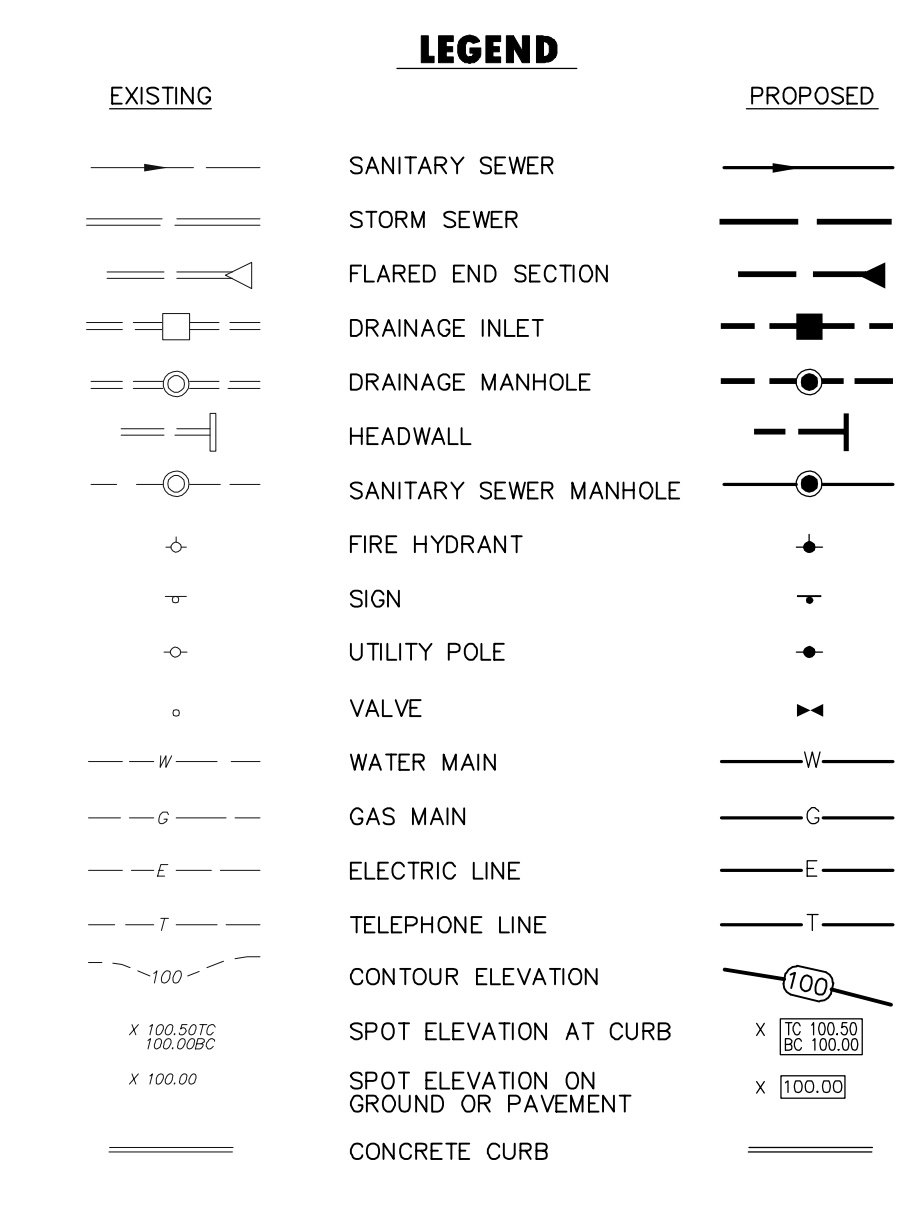
Soil De-compaction and Testing Requirements

Soil Compaction Testing Requirements
1. A sample will be taken for the purpose of...
2. Areas of one site which are subject to compaction testing...
3. Compaction testing methods are detailed on the plan...
Compaction Testing Methods
A. Probing Wire Test (see detail)
B. Hand Held Penetrometer Test (see detail)
C. Nuclear Density Test (licensed professional engineer required)
D. Nuclear Density Test (licensed professional engineer required)
Note: Additional testing methods which conform to ASTM standards and specifications, and which produce a dry weight, soil and density measurement may be allowed subject to District approval.

SOIL MANAGEMENT LEGEND



PRINCETON - HIGHTSTOWN ROAD (VARIABLE RIGHT OF WAY)



GENERAL NOTES

- 1. THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE SEARCH...
2. DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29), BASED ON REF. MAP N-1...
3. THIS MAP REFLECTS EXISTING SITE CONDITIONS AS A RESULT OF A PARTIAL TOPOGRAPHIC FIELD SURVEY...
4. NO CERTIFICATION IS MADE BY VECA AS TO THE ACTUAL UNDERGROUND POSITION OF ANY UTILITIES...
5. IT IS IMPERATIVE THAT THE UTILITY COMPANIES BE NOTIFIED PRIOR TO ANY EXCAVATION AND/OR CONSTRUCTION...
6. THIS PLAN IS NOT VALID UNLESS EMBOSSED WITH THE SEAL OF THE UNDERSIGNED PROFESSIONAL ENGINEER...
7. WETLANDS INFORMATION TAKEN FROM PLAN ENTITLED "BOUNDARY AND WETLANDS SURVEY FOR HIGH SCHOOL SOUTH" PREPARED BY SITE WORKS CONSULTANTS, INC. DATED 11/3/08.

REFERENCE MAPS

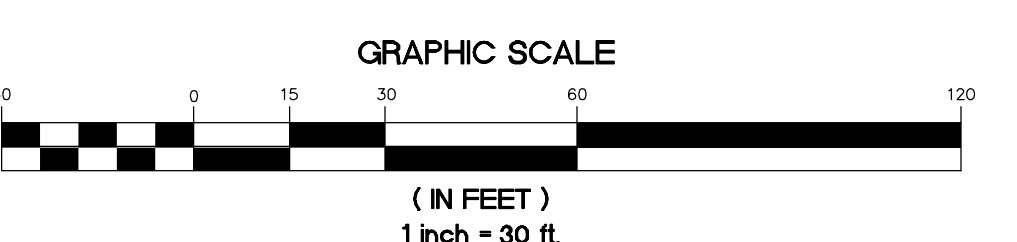
- 1. "TOPOGRAPHIC SURVEY PLAN OF THE HIGH SCHOOL SOUTH FOR THE WEST WINDSOR-PLAINSBORO BOARD OF EDUCATION" AS PREPARED BY SITEWORKS CONSULTANTS INC. REV. TO 8/7/06 AND MARKED AS FILE 50-1...
2. "BOUNDARY AND WETLANDS SURVEY OF THE HIGH SCHOOL SOUTH FOR THE WEST WINDSOR-PLAINSBORO BOARD OF EDUCATION" AS PREPARED BY SITEWORKS CONSULTANTS INC. REV. TO 11/13/08 AND MARKED AS FILE 50-2...
3. ADDITIONS AND ALTERATIONS TO THE HIGH SCHOOL SOUTH FOR THE WEST WINDSOR-PLAINSBORO BOARD OF EDUCATION PREPARED BY VAN VAN CLEEF ENGINEERING ASSOC. DATED 2/17/07 C1098...
4. ADDITIONS AND ALTERATIONS TO THE HIGH SCHOOL SOUTH FOR THE WEST WINDSOR-PLAINSBORO BOARD OF EDUCATION PREPARED BY FARRITY THOMAS MADSON P.A. DATED 3/30/89.

CONSTRUCTION NOTES

- 1. CONTRACTOR TO PROVIDE SECURE STAGING AREA ON-SITE...
2. CONTRACTOR TO PROVIDE EMERGENCY ACCESS TO SCHOOL AT ALL TIMES...
3. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS...
4. ALL SOIL SHALL STAY ON-SITE...
5. CONTRACTOR IS RESPONSIBLE FOR ALL ON-SITE SAFETY AND SECURITY...
6. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE EXISTING INFRASTRUCTURE...
7. ALL DISTURBED AREAS TO BE STABILIZED WITH 5 INCHES OF TOP SOIL...
8. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY AND ALL OF THE EXISTING INFRASTRUCTURE...
9. ALL STORM SEWER PIPE LENGTHS SHOWN ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE...
10. THE CONCRETE SIDEWALK TO BE ADA COMPLIANT WITH A MAX CROSS SLOPE OF 3.0% AND A MAX RUNNING SLOPE OF 5.0%...
11. CONTRACTOR TO USE CARE WHILE DRIVING CONSTRUCTION VEHICLES OVER EXISTING CURB AND SIDEWALKS...
12. UNDERGROUND UTILITIES SHOWN ARE BASED ON PHYSICAL EVIDENCE FOUND...
13. ALL LOAD-BEARING FILL SHOULD BE CONTROLLED FILL...
14. CONTRACTOR SHALL REFER TO PHASING PLANS FOR CONSTRUCTION SEQUENCE OF CIVIL SITE WORK...
15. COMPACTOR WITHIN 5 FEET FROM THE EXISTING FACILITIES SHOULD BE CONTROLLED USING A LIGHT COMPACTOR...
16. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURVEY WORK REQUIRED TO STAKE OUT SITE FEATURES...
17. ADEQUATE TEMPORARY AND PERMANENT CONTROL OF SURFACE WATER RUNOFF WILL BE REQUIRED...
18. THE IN-SITE EXCAVATED SOILS ARE GENERALLY CONSIDERED SUITABLE FOR USE AS STRUCTURAL FILL...
19. CONTRACTOR SHALL PROVIDE ADEQUATE AS-BUILT DRAWINGS FOR ALL SITE AND UTILITY WORK...



2019 N.J.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS AMENDED OR SUPPLEMENTED SHALL GOVERN THE CONSTRUCTION OF THIS PROJECT



Van Cleef ENGINEERING ASSOCIATES logo and contact information including address, phone, and website.

BY: HERBERT J. SEEBURGER, N.J. PROFESSIONAL ENGINEER No. 245264748700 DATE: 2/20/20

Project Name: Phase 1 Site Work at West Windsor-Plainsboro High School South

Project Owner Name: West Windsor - Plainsboro Regional School District

Project Location: 346 Clarksville Rd., West Windsor, New Jersey 08550

Project Number: 5063LS / 1808WW

Project Date: 02.20.2020

Checked By: GRD

Drawn By: R.R.F.

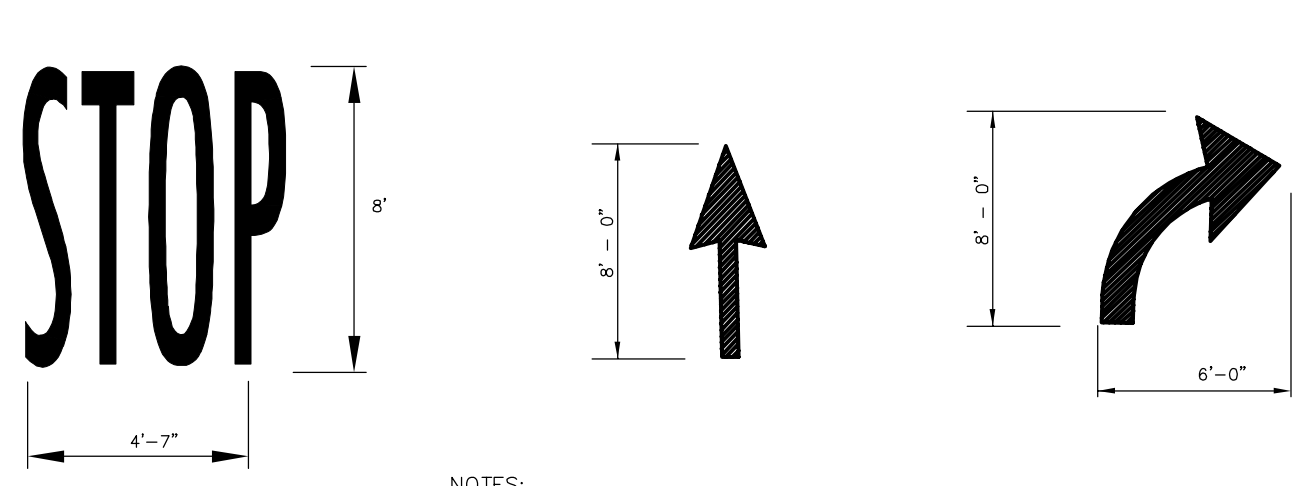
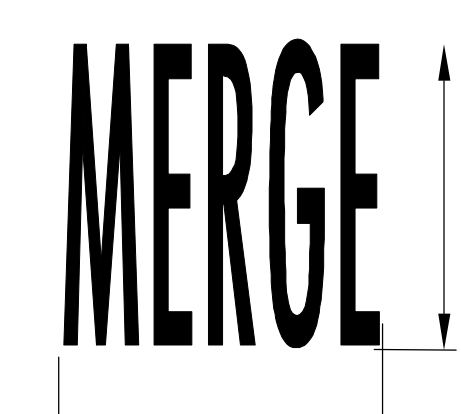
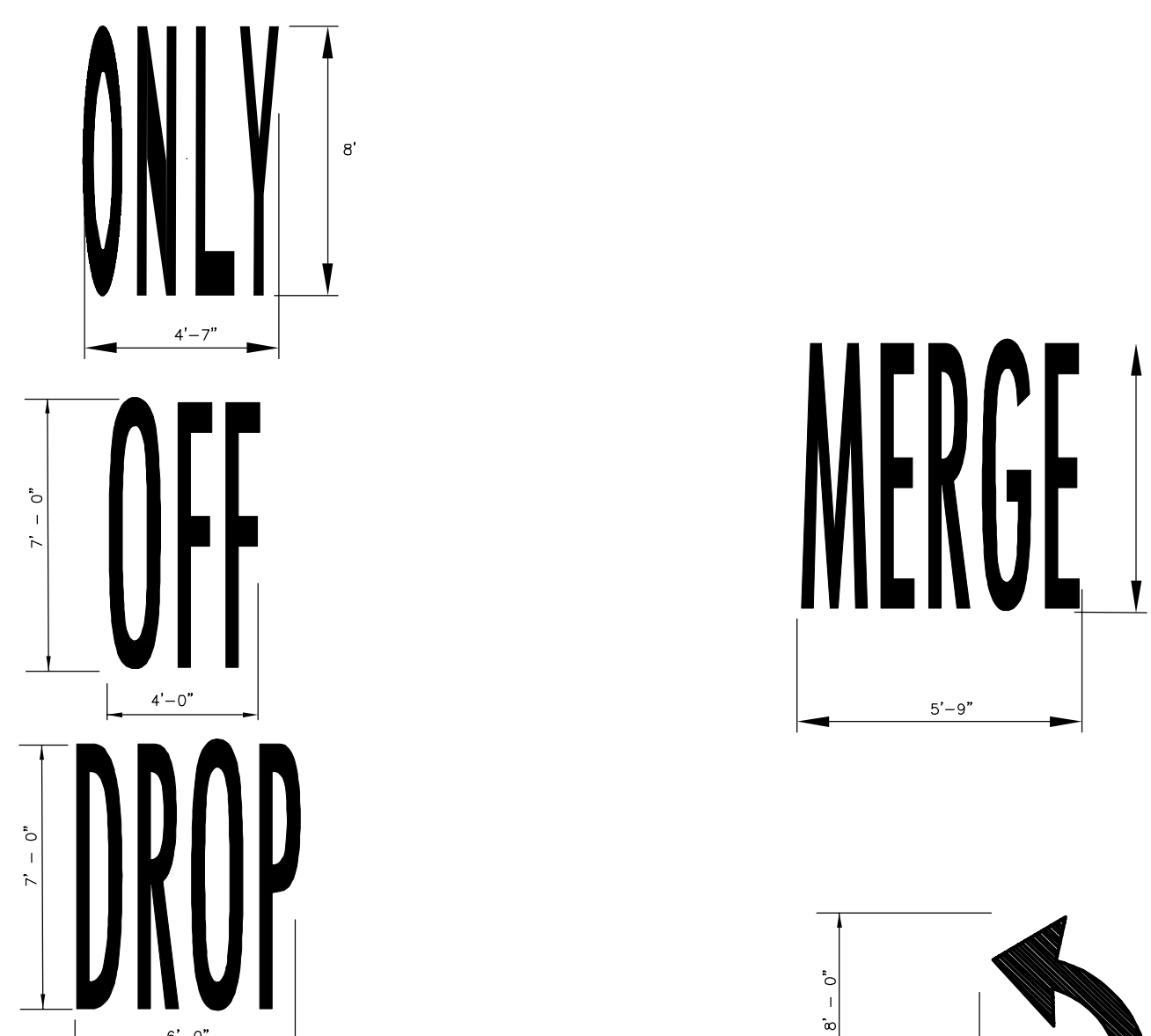
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Drawing Name: SOIL MANAGEMENT PLAN

Revisions table with columns for No., Date, and Description. Includes revisions for issued for bid, addendum, and change order.

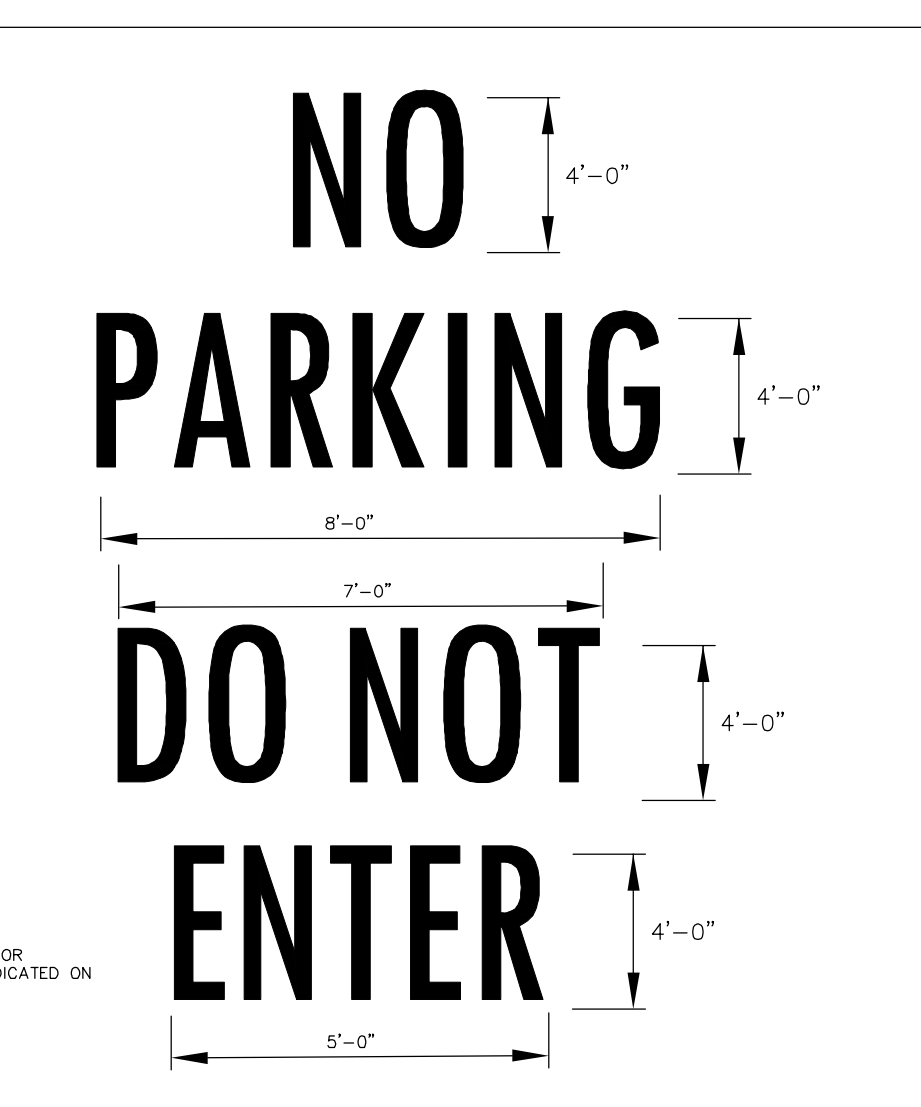
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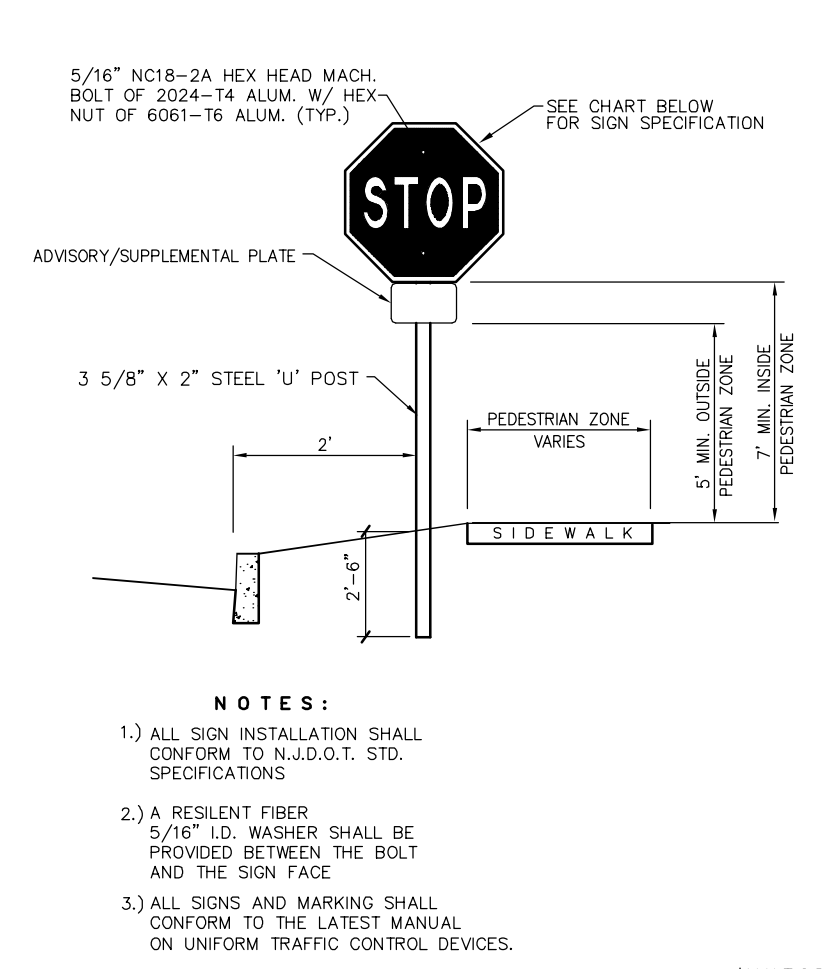
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1. TO BE CONSTRUCTED OF WHITE LATEX MATERIAL.

PAVEMENT MARKINGS DETAIL  
NOT TO SCALE



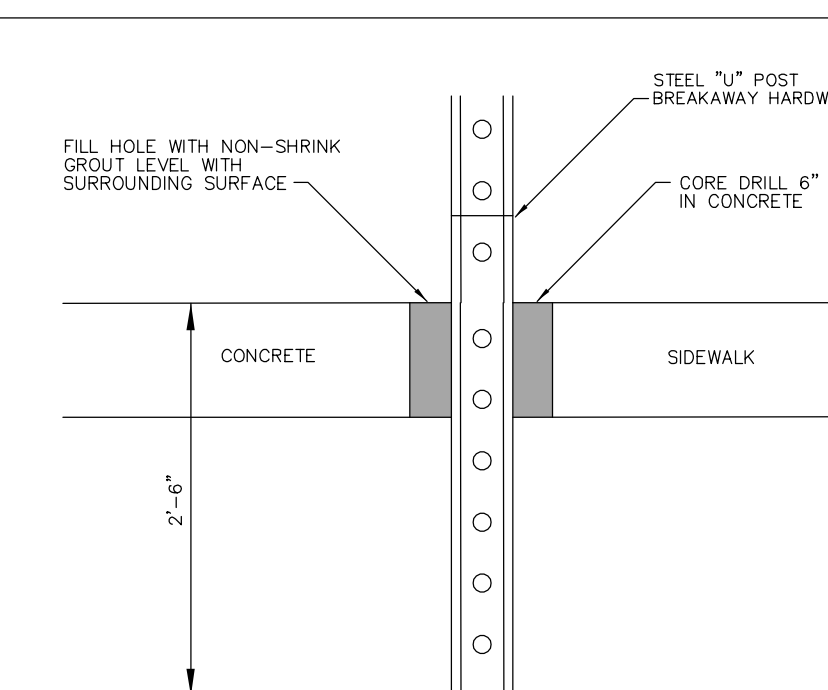
NOTES:  
1. TO BE CONSTRUCTED OF WHITE OR YELLOW LATEX MATERIAL AS INDICATED ON PLAN SHEETS.

PAVEMENT MARKINGS DETAIL  
NOT TO SCALE

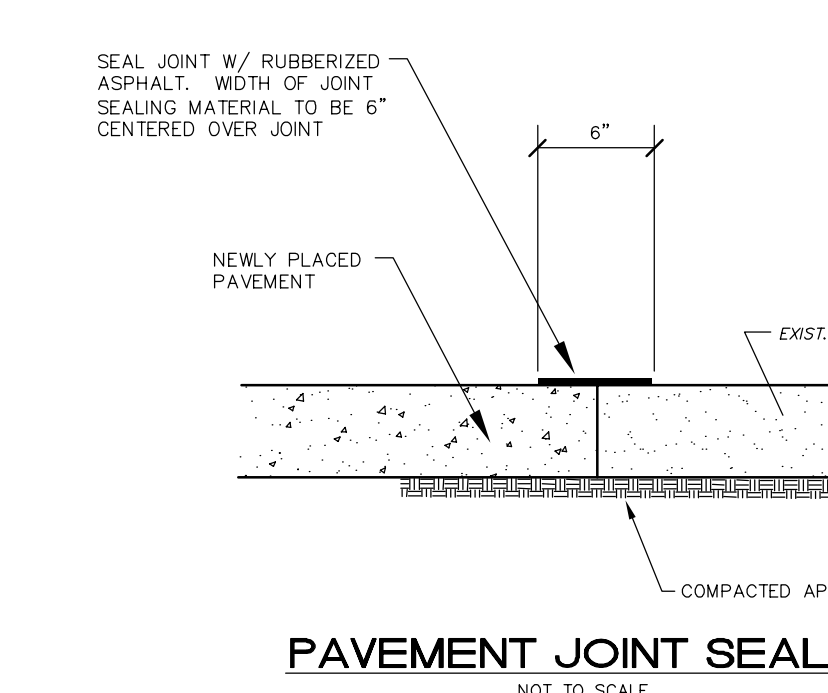


NOTES:  
1. ALL SIGN SUPPORT SHALL CONFORM TO LATEST STD SPECIFICATION.  
2. A RESILIENT FIBER FIBER DO NOT EXCEED 1/2" IN DIAMETER SHALL BE PROVIDED BETWEEN THE SIGN AND THE SIGN FACE.  
3. ALL SIGNS AND MARKINGS SHALL CONFORM TO THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.  
4. SEE THE CHART BELOW FOR SPECIFICATIONS.

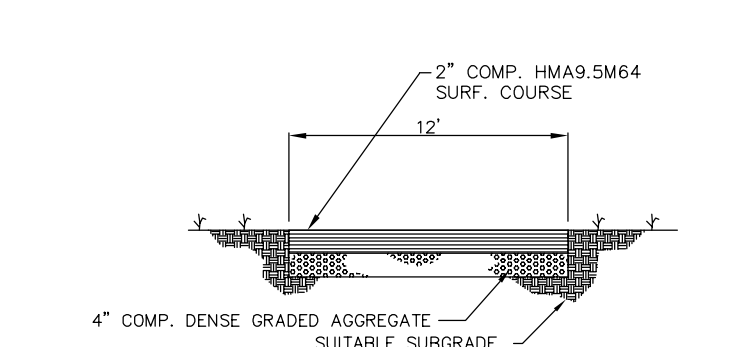
WARNING AND/OR REGULATORY SIGN DETAIL  
N.T.S.



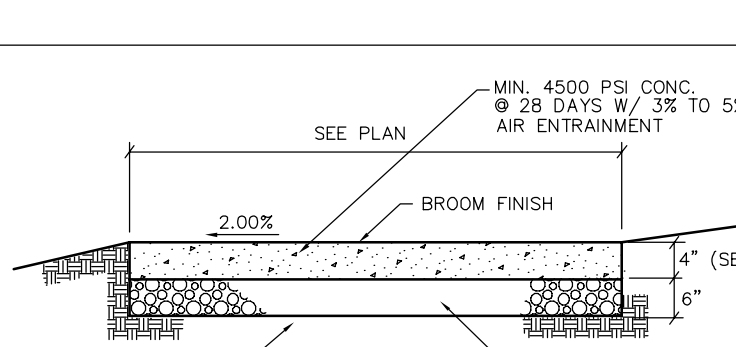
SIGN MOUNTING IN SIDEWALK  
NOT TO SCALE



PAVEMENT JOINT SEALING  
NOT TO SCALE

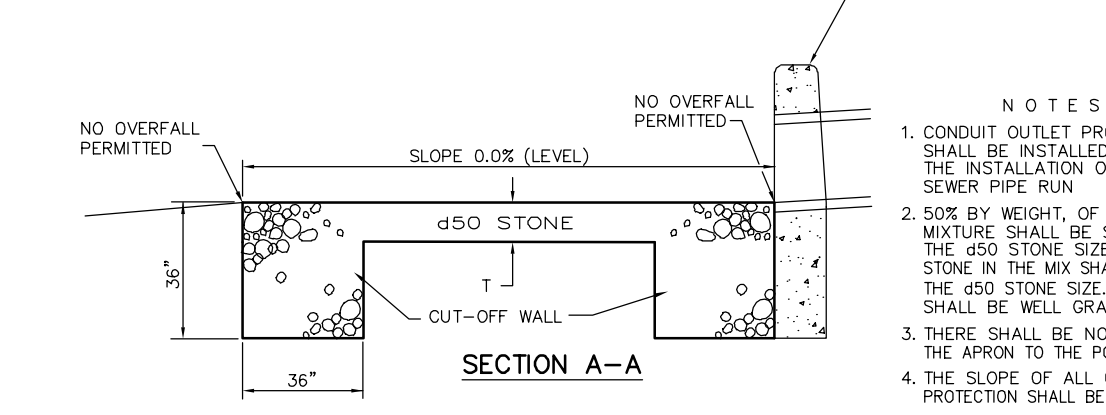
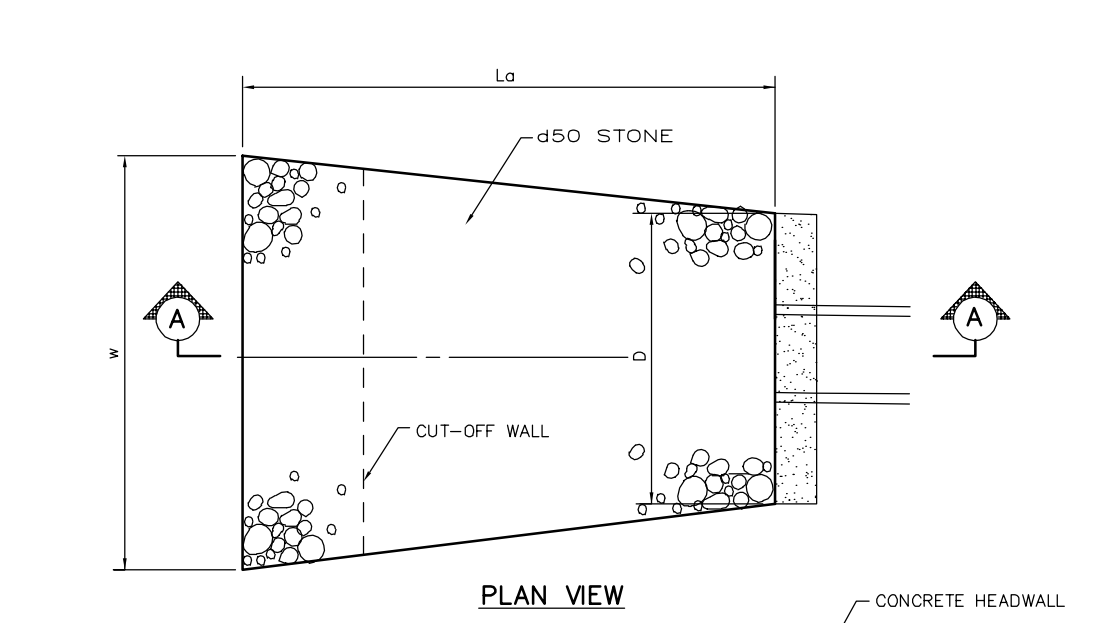


BITUMINOUS ACCESS DRIVEWAY DETAIL  
NOT TO SCALE



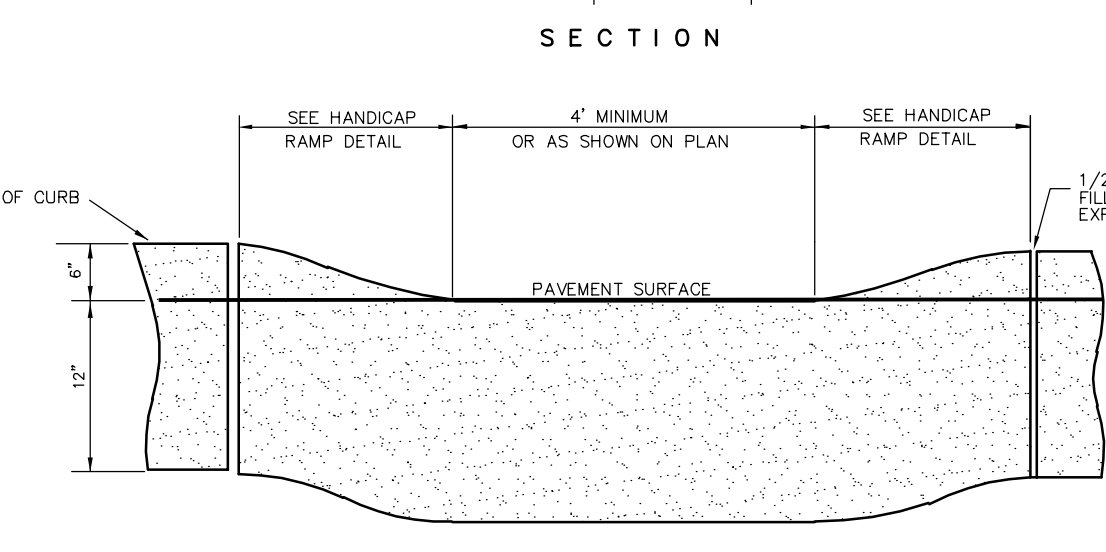
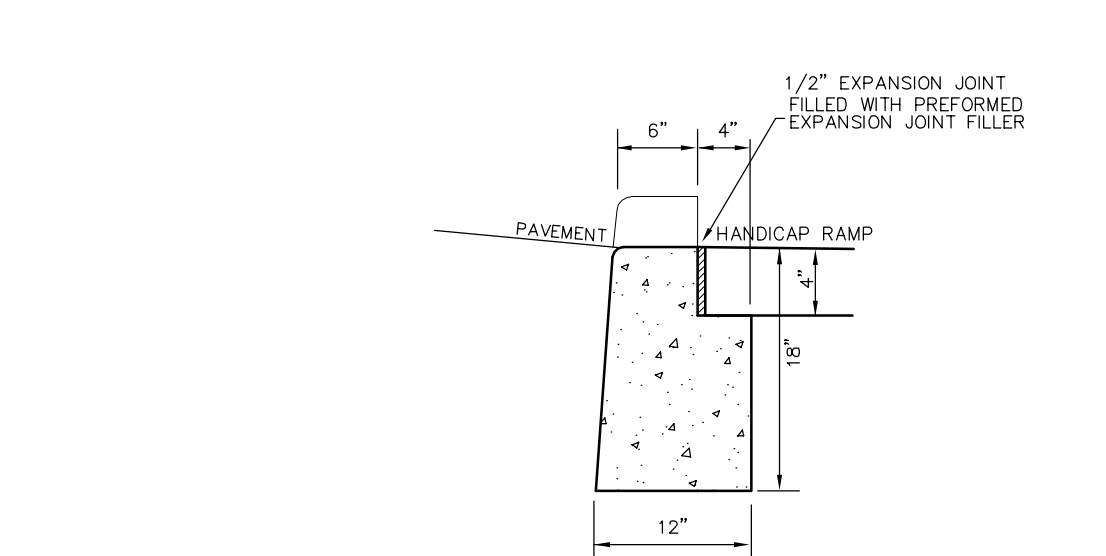
NOTES:  
1. AT DRIVEWAY CROSSINGS, SIDEWALK SHALL BE 8" THICK AND SHALL CONTAIN NO. 4 @ 4" MAX. W/ 2" UP FROM THE BOTTOM OF THE SIDEWALK.  
2. THE TOWNSHIP ENGINEER SHALL APPROVE ALL SUBGRADES PRIOR TO THE POURING OF ANY CONCRETE.  
3. EXPANSION JOINTS SHALL BE PROVIDED AT 20' (MAX.) INTERVALS. JOINTS SHALL BE FILLED WITH 1/2" EXT. EXPANSION JOINT FILLER.  
4. ALL SIDEWALK THAT IS BROKEN, CRACKED OR OUT OF ALIGNMENT SHALL BE REPLACED PRIOR TO ACCEPTANCE.  
5. PROVIDE HALF DEPTH CONTRACTION JOINTS EVERY 4 FEET.  
6. ALL EXPOSED CONCRETE SURFACES TO BE TREATED WITH LUBRICANT PLUS CURE AND SEAL COMPOND OR EQUIVALENT FOR MANUFACTURER'S INSTRUCTIONS.

CONCRETE SIDEWALK  
NOT TO SCALE

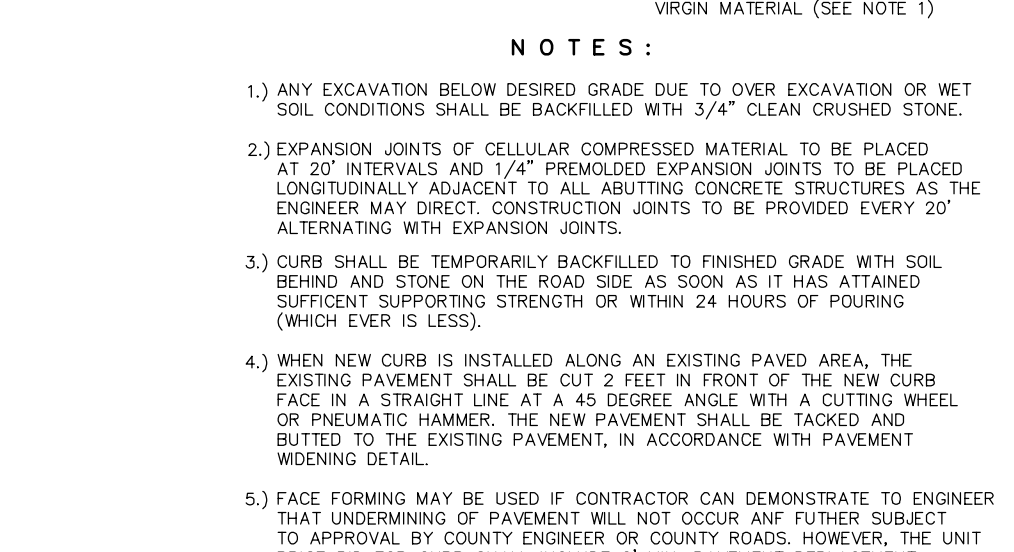
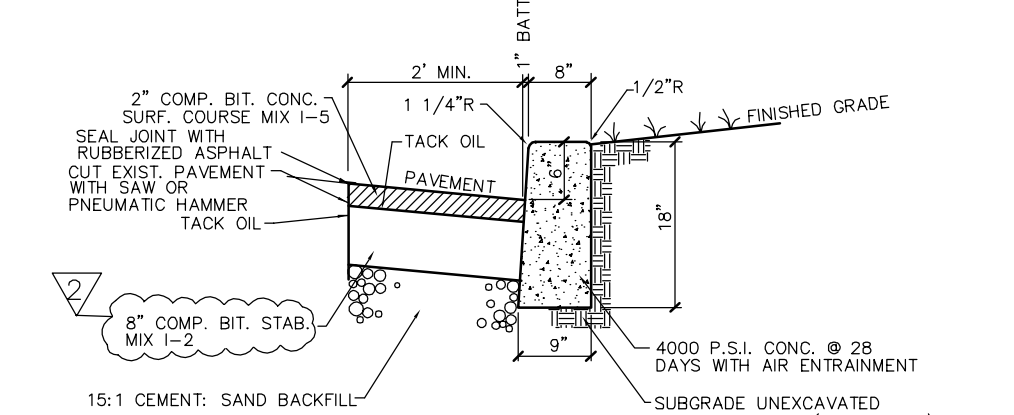


| APPROX. SCHEDULE | NO. | L <sub>1</sub> (FT.) | W (FT.) | D (FT.) | NO. OF ENDS | NO. OF ENDS | NO. OF ENDS | COMMENTS |
|------------------|-----|----------------------|---------|---------|-------------|-------------|-------------|----------|
|                  | 18  | 28.7                 | 32.7    | 6.0     | 12.7        | 28.3        | 28.3        |          |
|                  | 19A | 24.4                 | 28.8    | 6.0     | 12.0        | 19.9        | 19.9        |          |

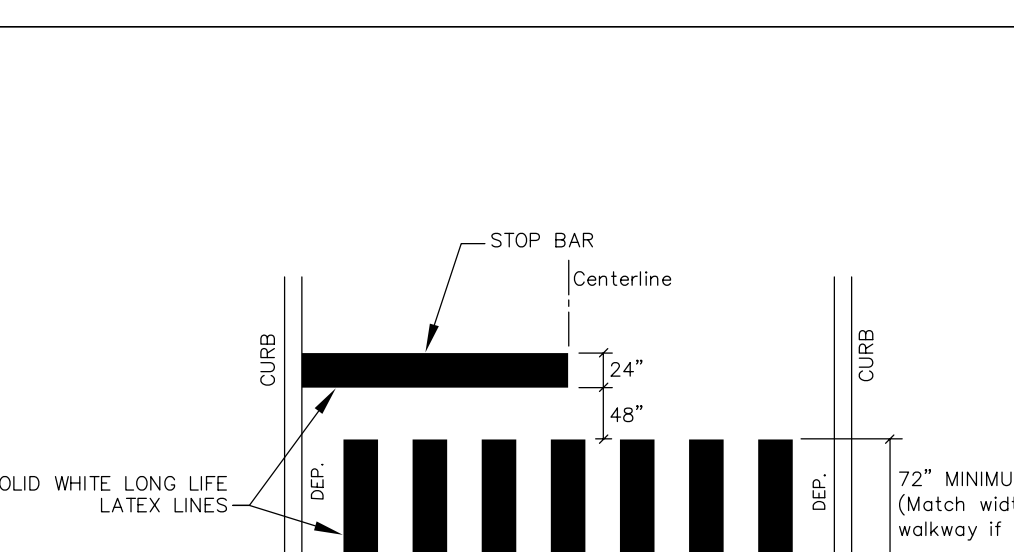
CONDUIT OUTLET PROTECTION DETAIL  
NOT TO SCALE



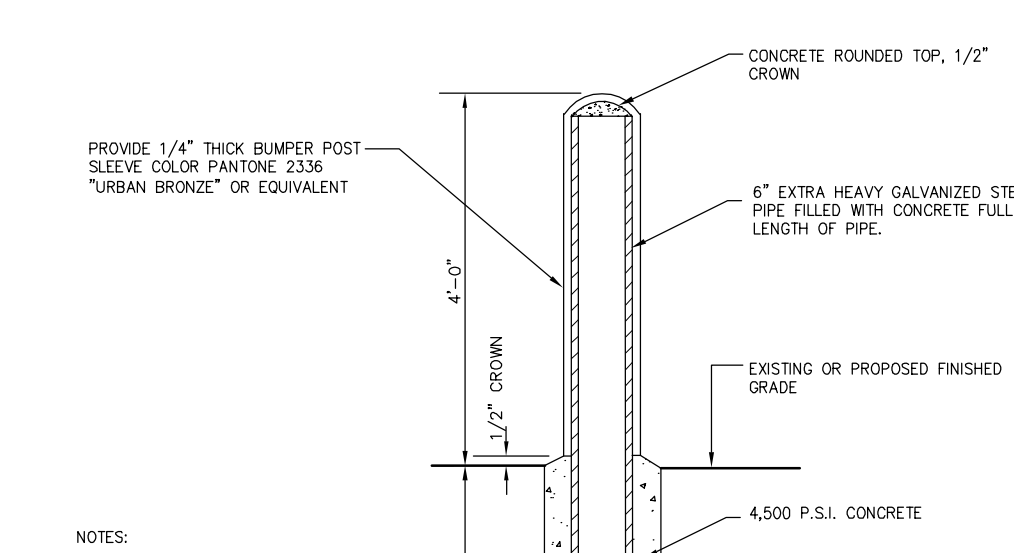
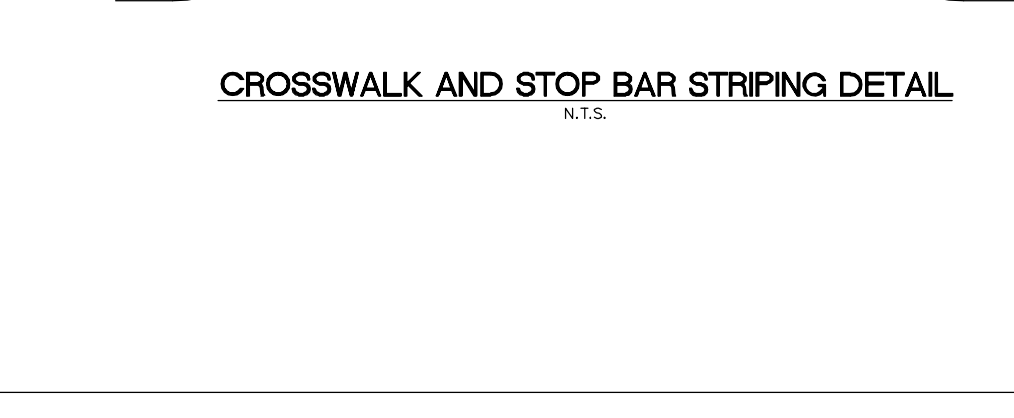
FULLY DEPRESSED CURB AT HANDICAP RAMP  
NOT TO SCALE



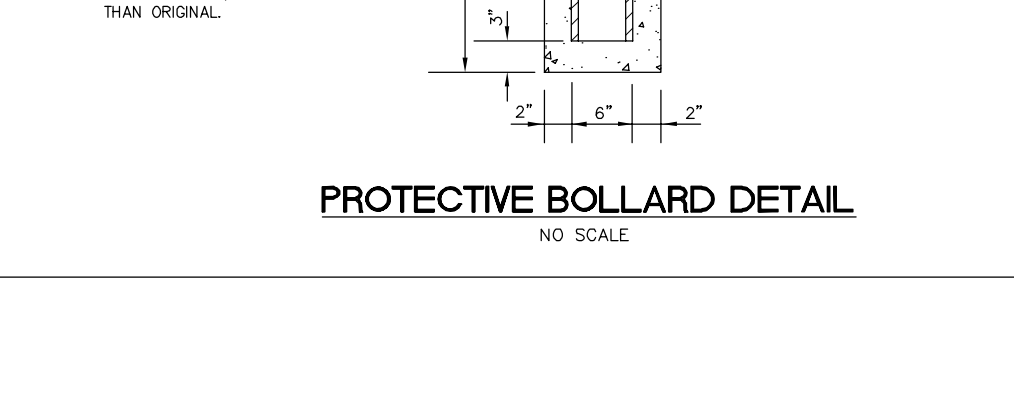
TEMPORARY ADA RAMPS AT FUTURE RAISED CROSSWALKS (3' DEP.)  
N.T.S.



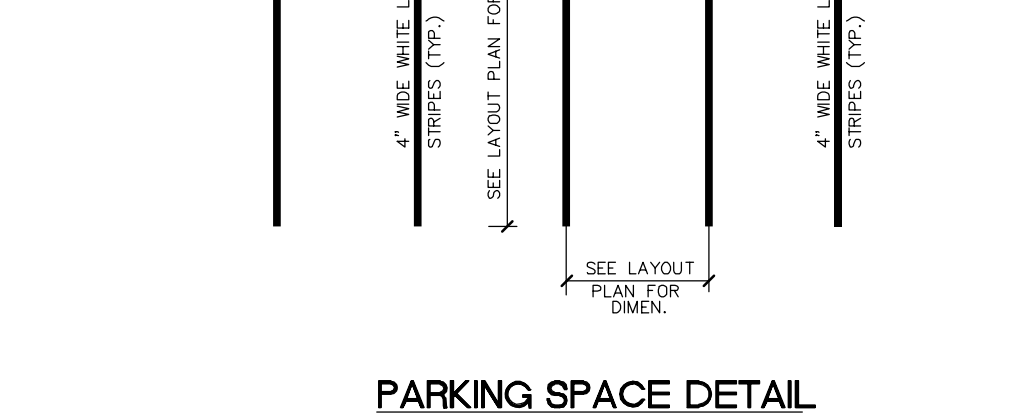
TEMPORARY ADA RAMP AT ADA CROSSWALKS (6' DEP.)  
N.T.S.



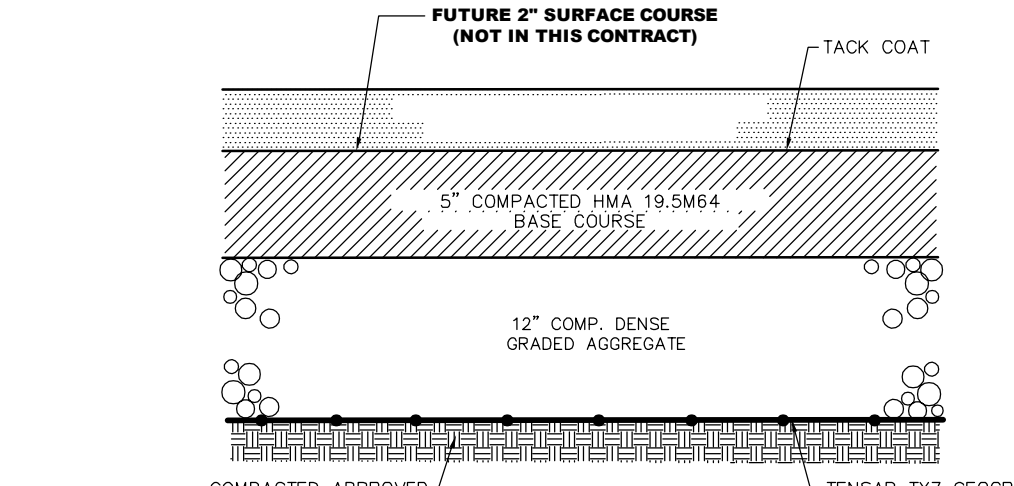
CROSSWALK AND STOP BAR STRIPING DETAIL  
N.T.S.



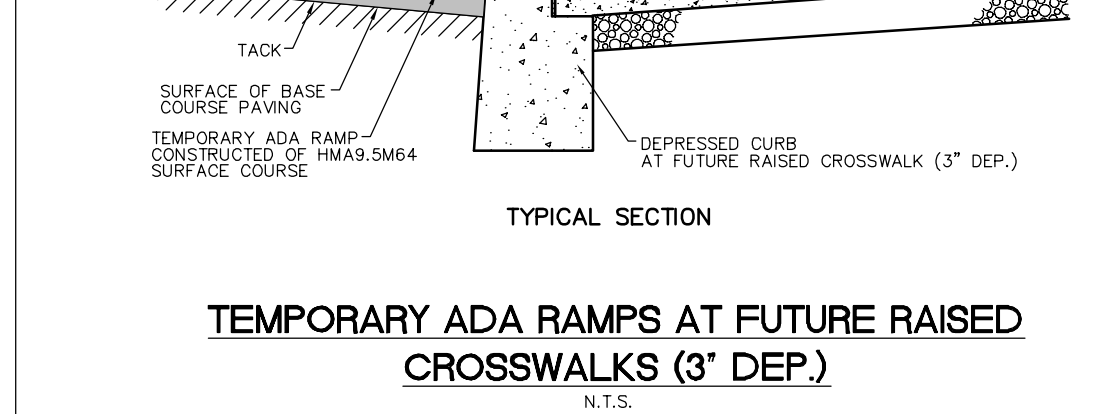
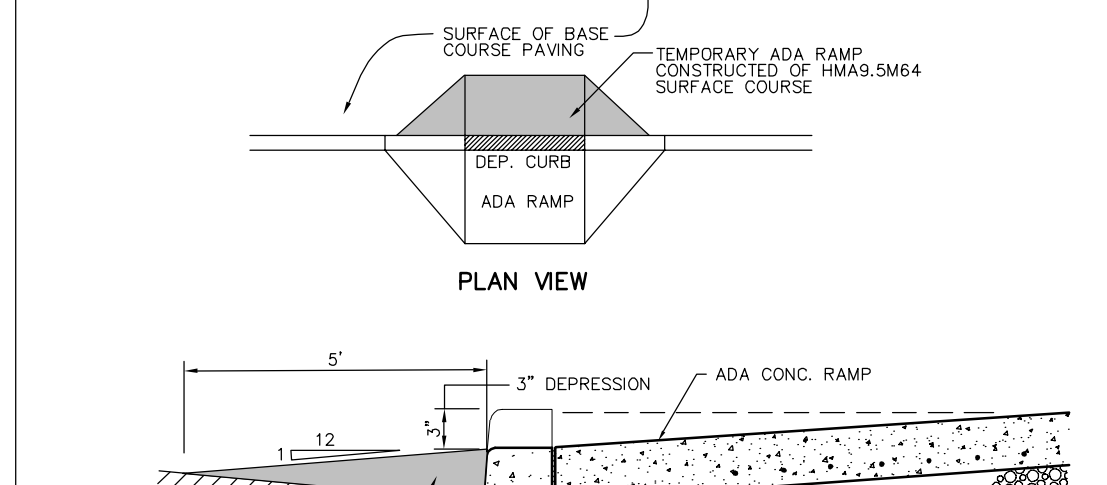
PROTECTIVE BOLLARD DETAIL  
NOT TO SCALE



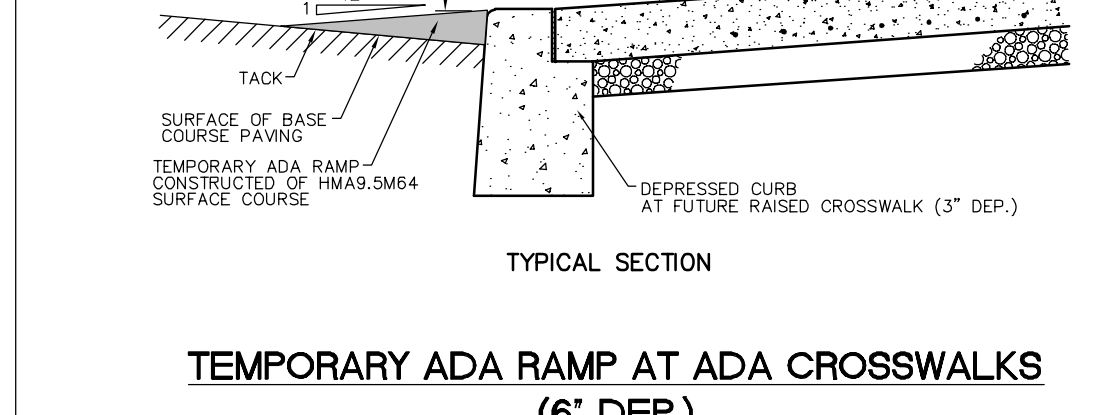
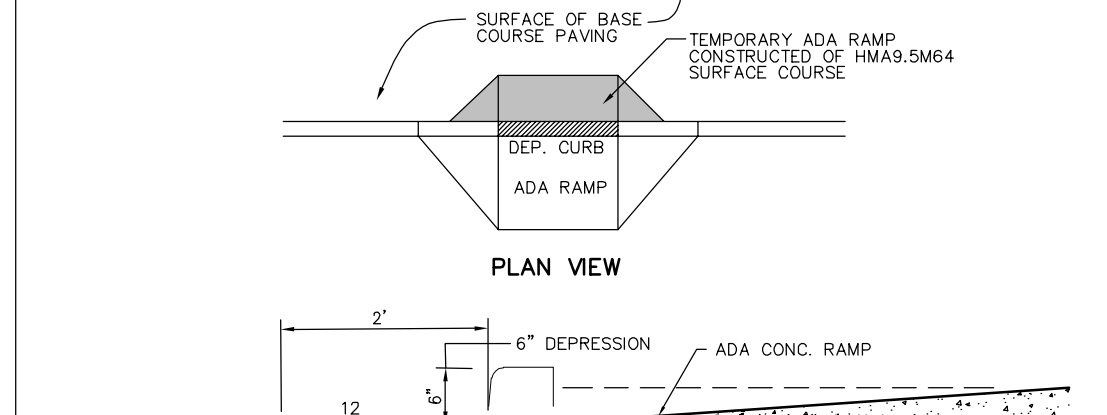
PARKING SPACE DETAIL  
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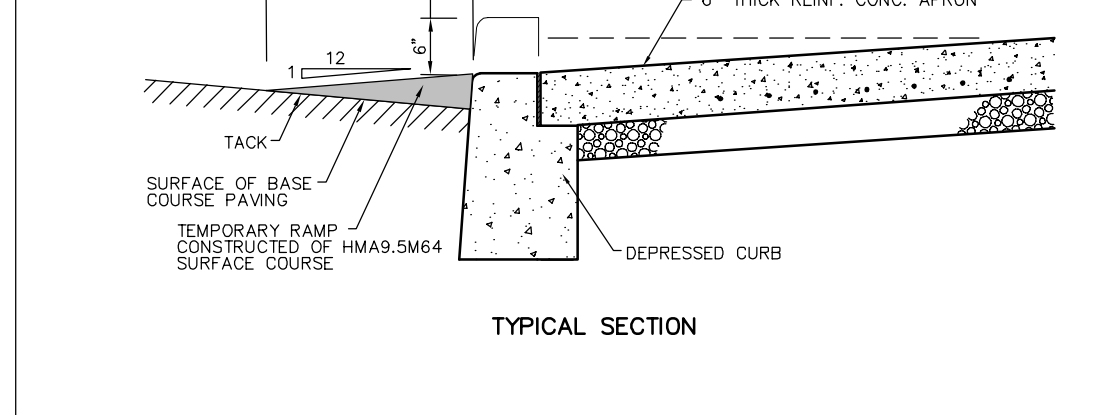
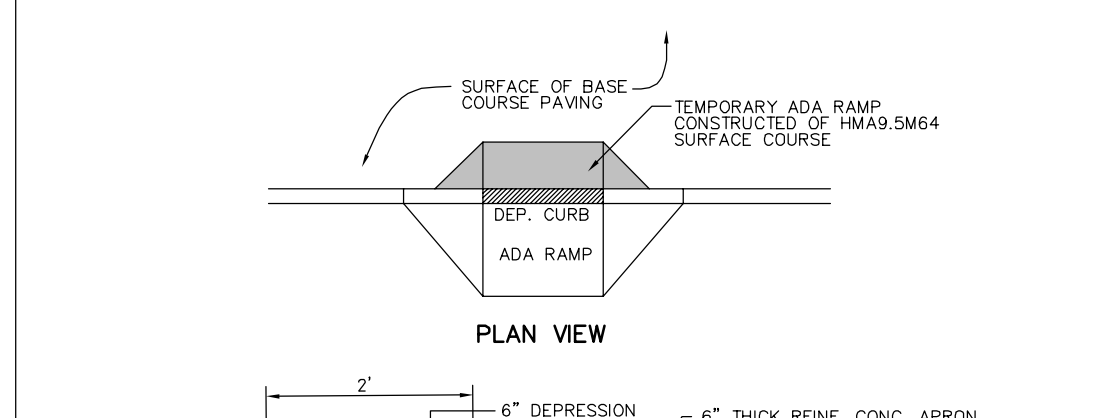
PAVEMENT CROSS-SECTION  
NOT TO SCALE



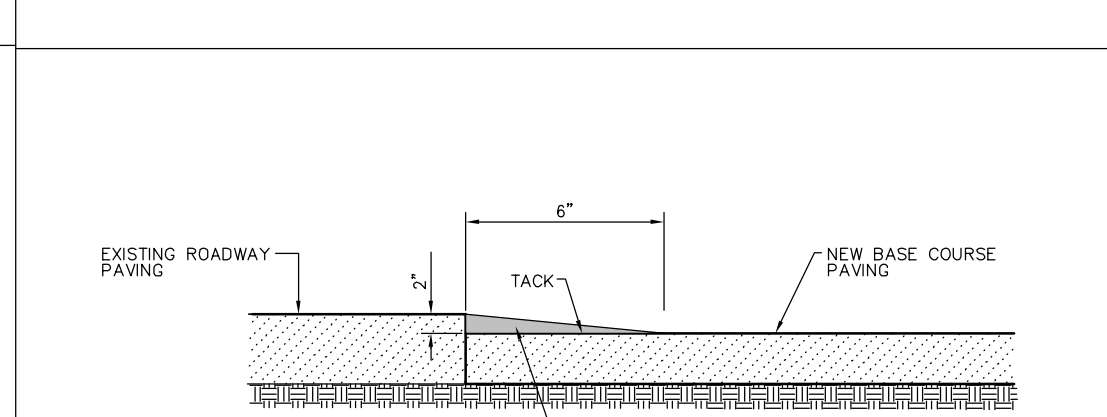
TEMPORARY ADA RAMPS AT FUTURE RAISED CROSSWALKS (3' DEP.)  
N.T.S.



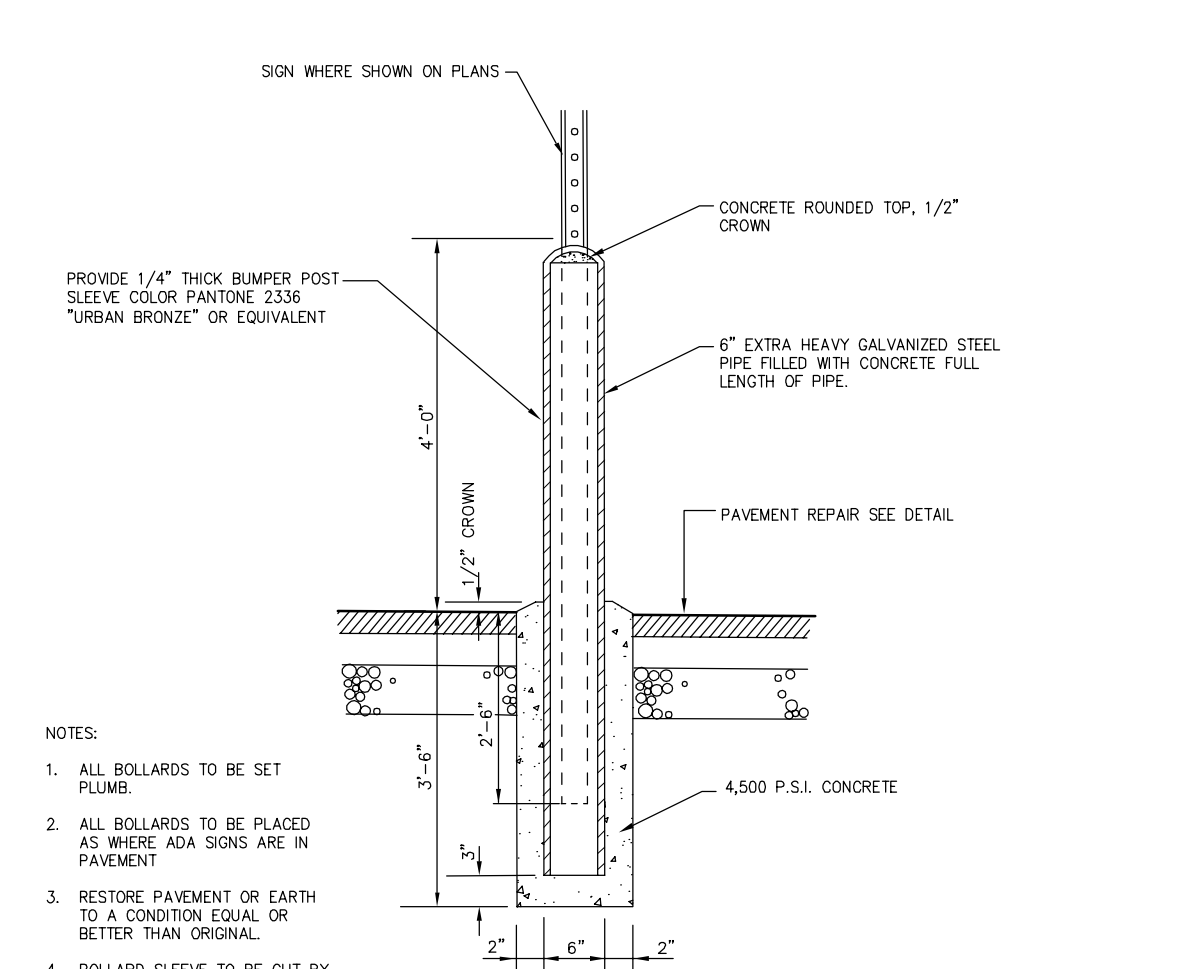
TEMPORARY ADA RAMP AT ADA CROSSWALKS (6' DEP.)  
N.T.S.



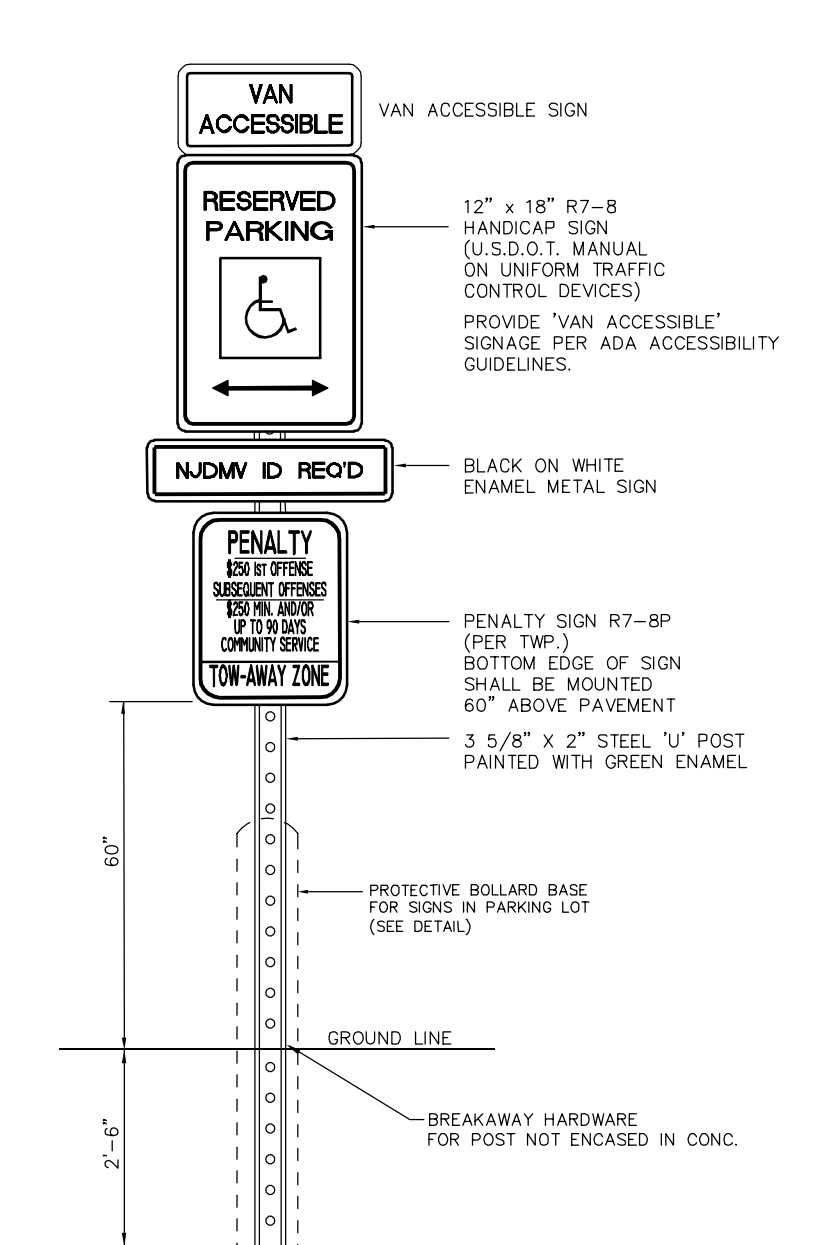
TEMPORARY RAMP AT 6" THICK REINF. CONC. APRON (6' DEP.)  
N.T.S.



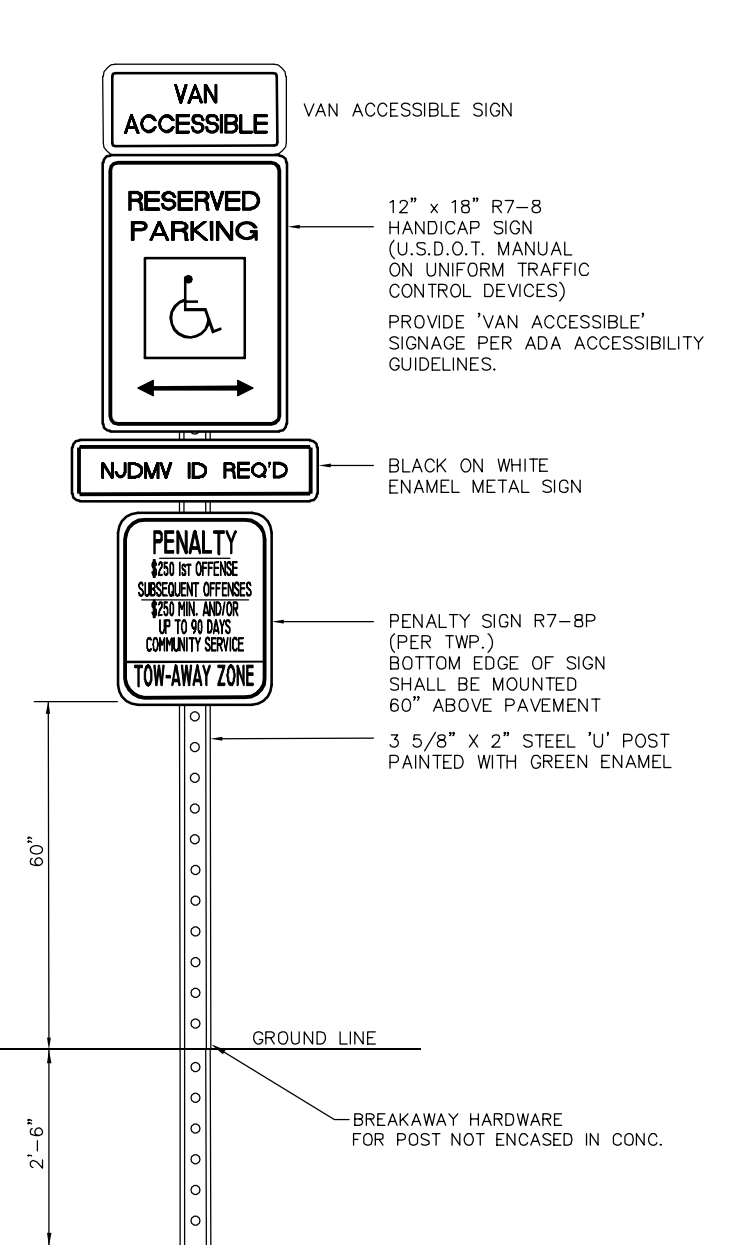
TEMPORARY PAVEMENT TRANSITION  
NOT TO SCALE



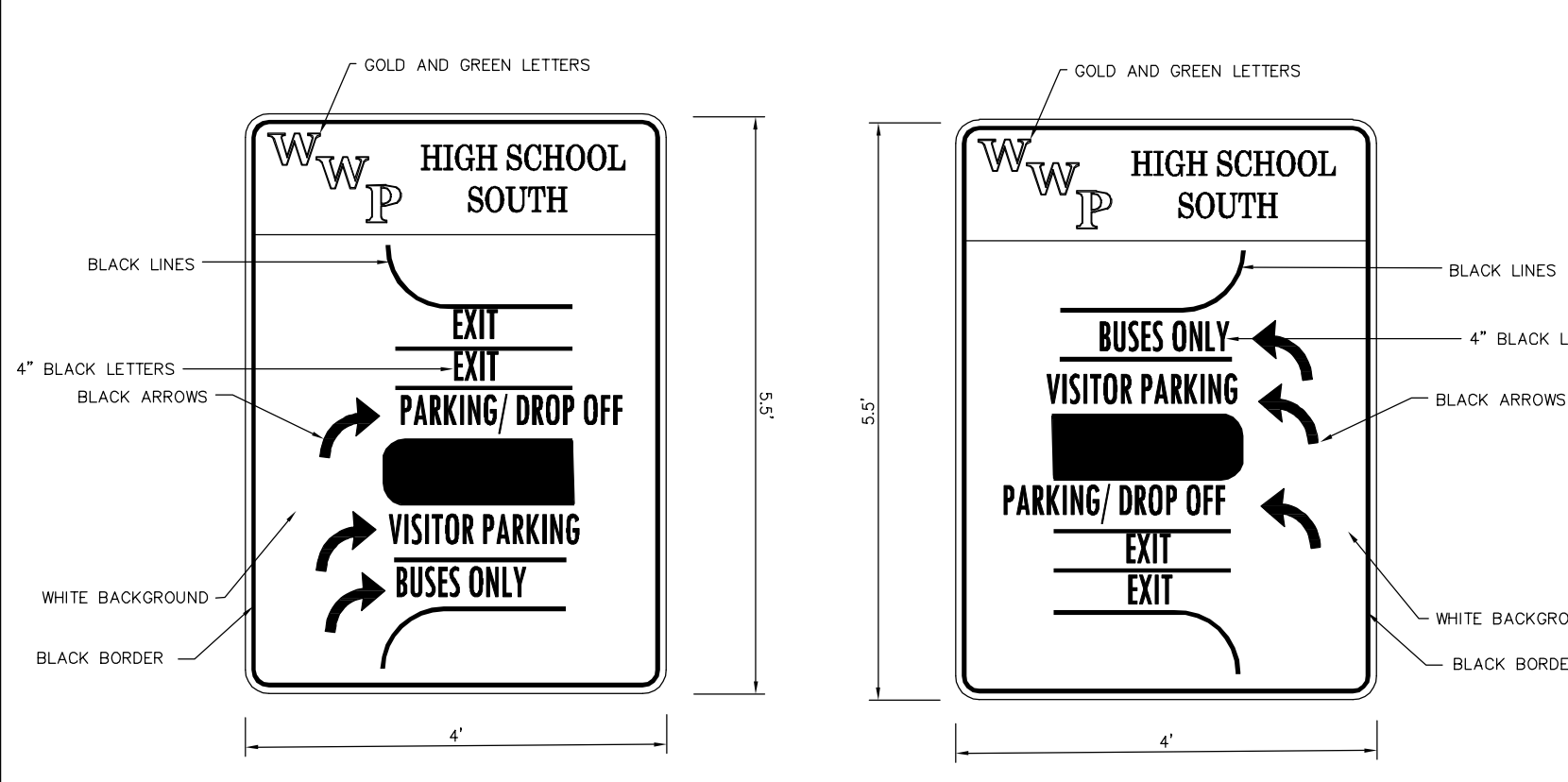
PROTECTIVE BOLLARD BASE FOR SIGNS  
NOT TO SCALE



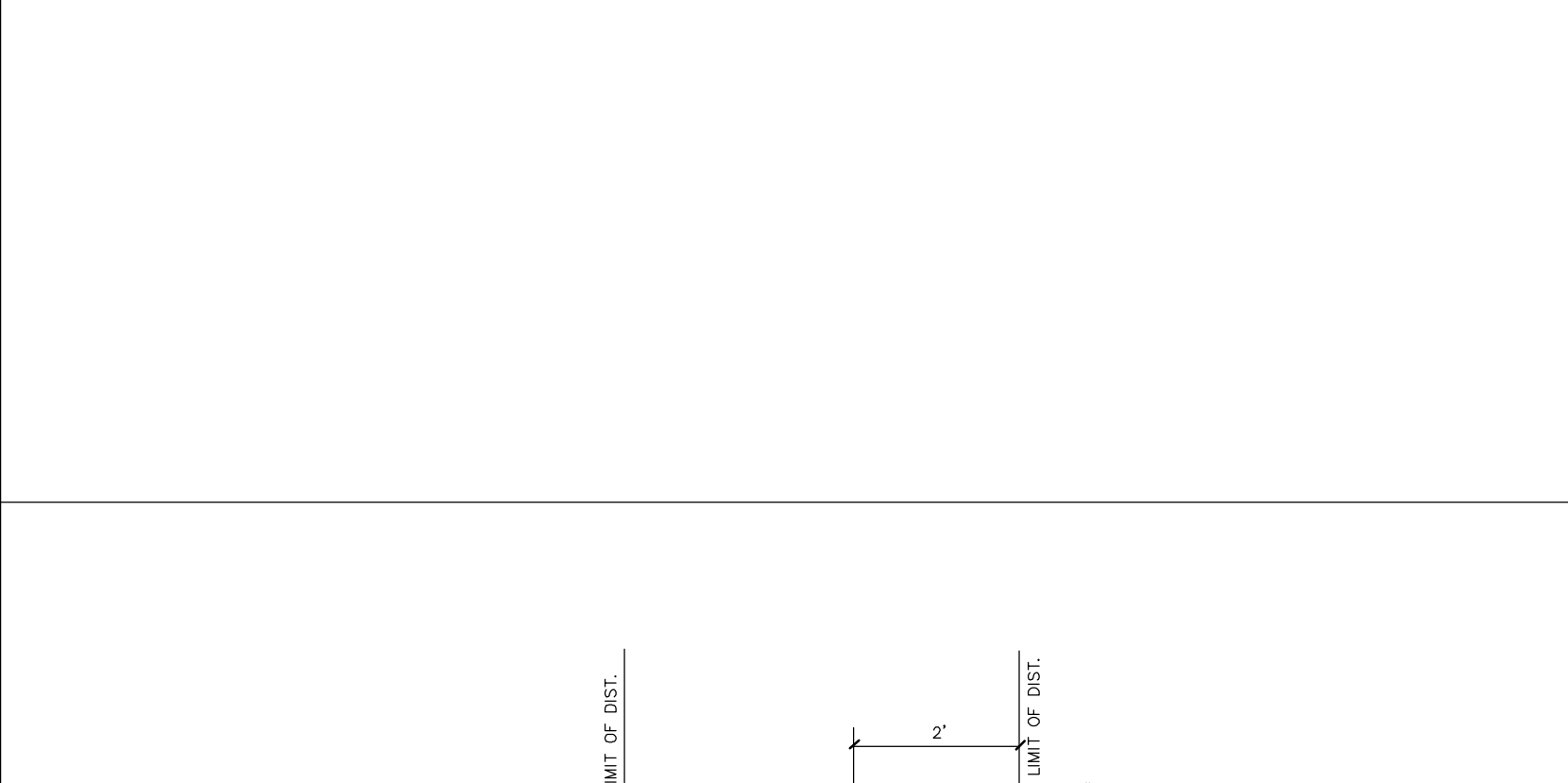
HANDICAPPED PARKING SIGN  
NOT TO SCALE



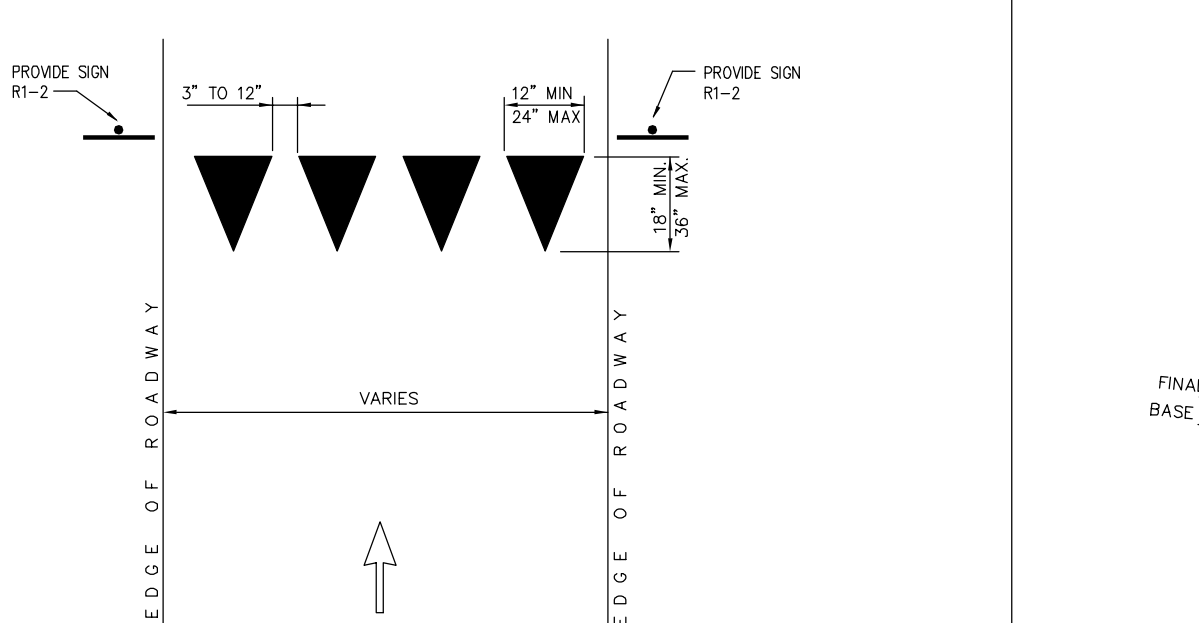
HANDICAPPED PARKING SIGN  
NOT TO SCALE



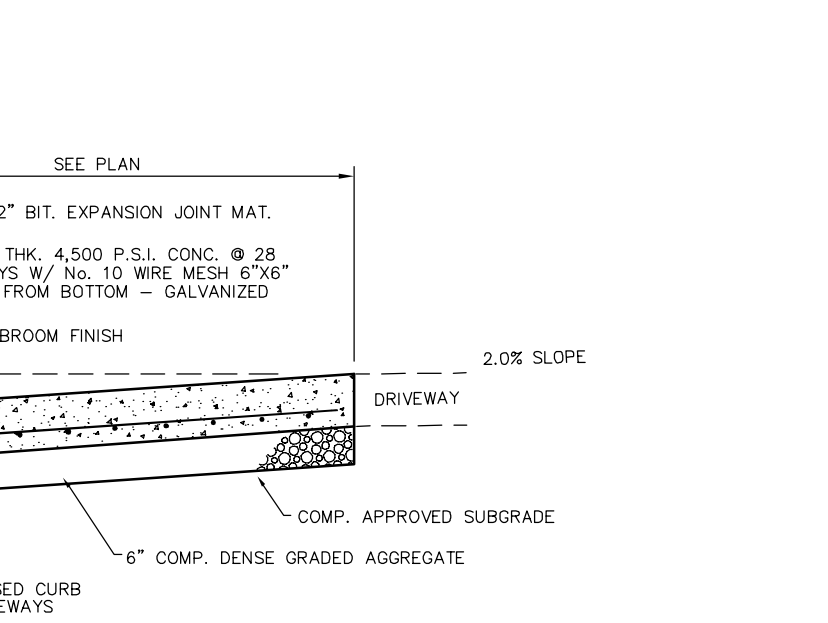
DIRECTIONAL NORTH BOUND SIGN  
NOT TO SCALE



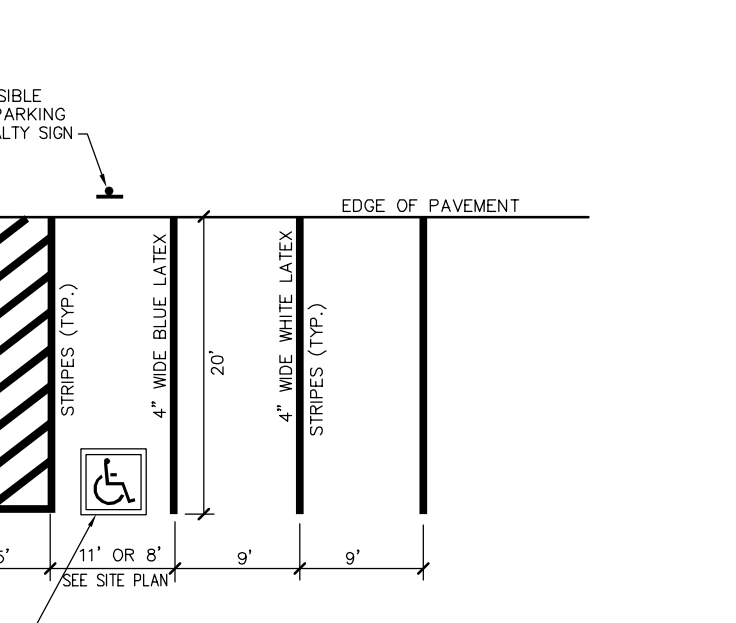
DIRECTIONAL SOUTH BOUND SIGN  
NOT TO SCALE



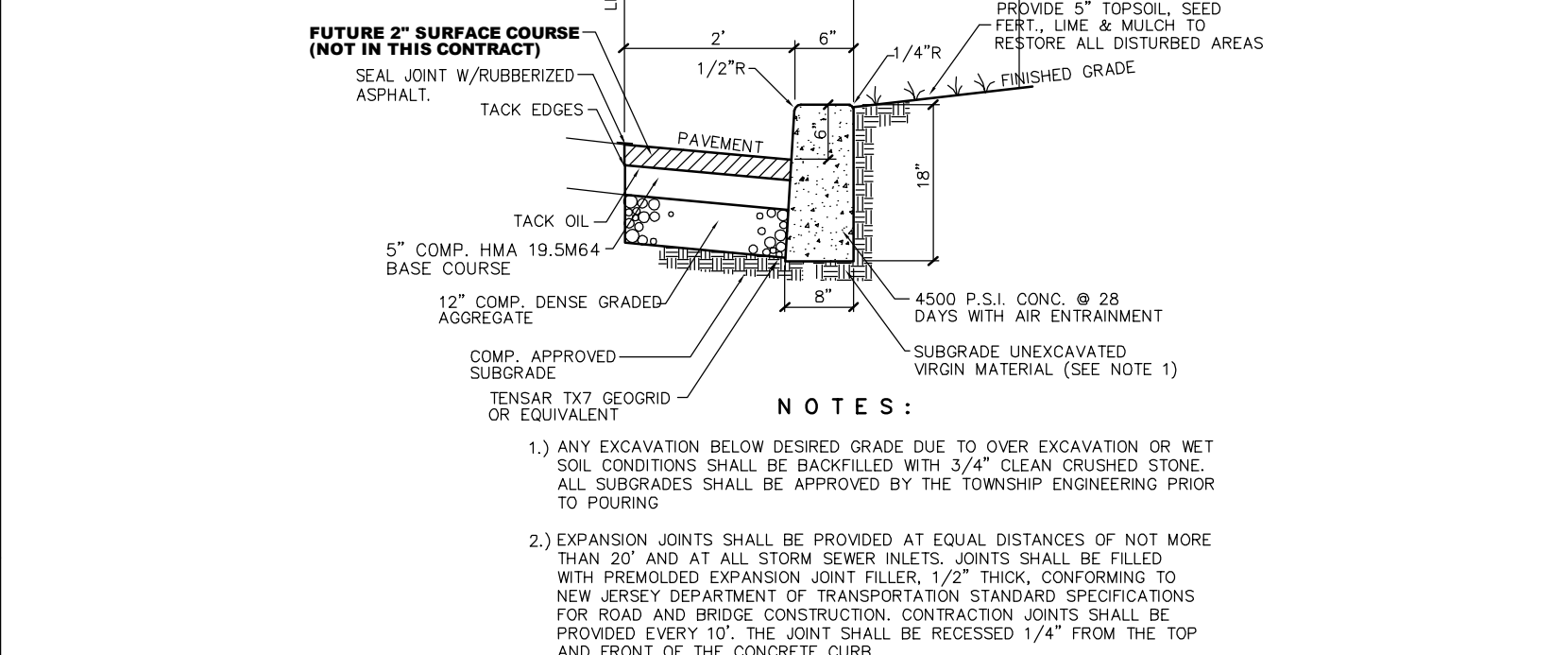
YIELD LINE DETAIL  
NOT TO SCALE



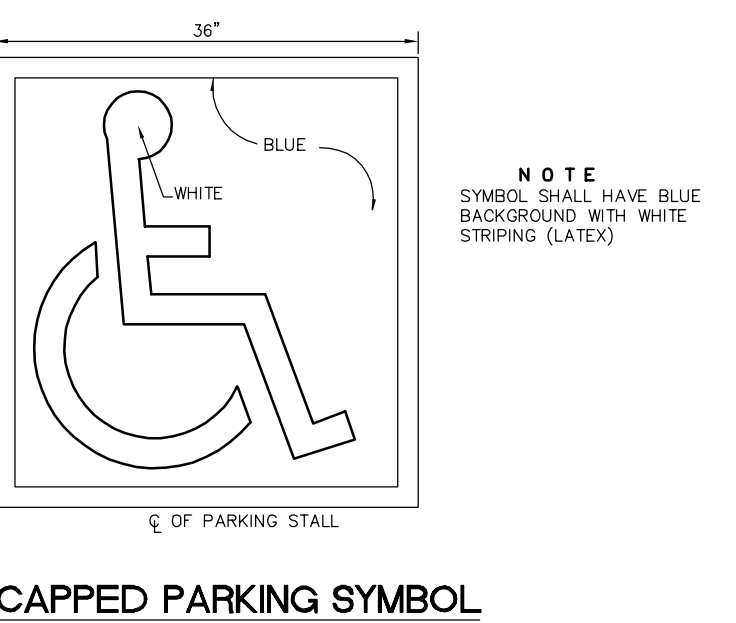
6" THICK REINF. CONC. APRON DETAIL  
NOT TO SCALE



ADA UNIVERSAL PARKING SPACE DESIGN DETAIL  
NOT TO SCALE



6'X8'X16" CONCRETE CURB  
NOT TO SCALE



HANDICAPPED PARKING SYMBOL  
NOT TO SCALE

2019 N.J.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS AMENDED OR SUPPLEMENTED SHALL GOVERN THE CONSTRUCTION OF THIS PROJECT

811 Dig Safely logo and information.

Van Cleef Engineering Associates logo and contact information.

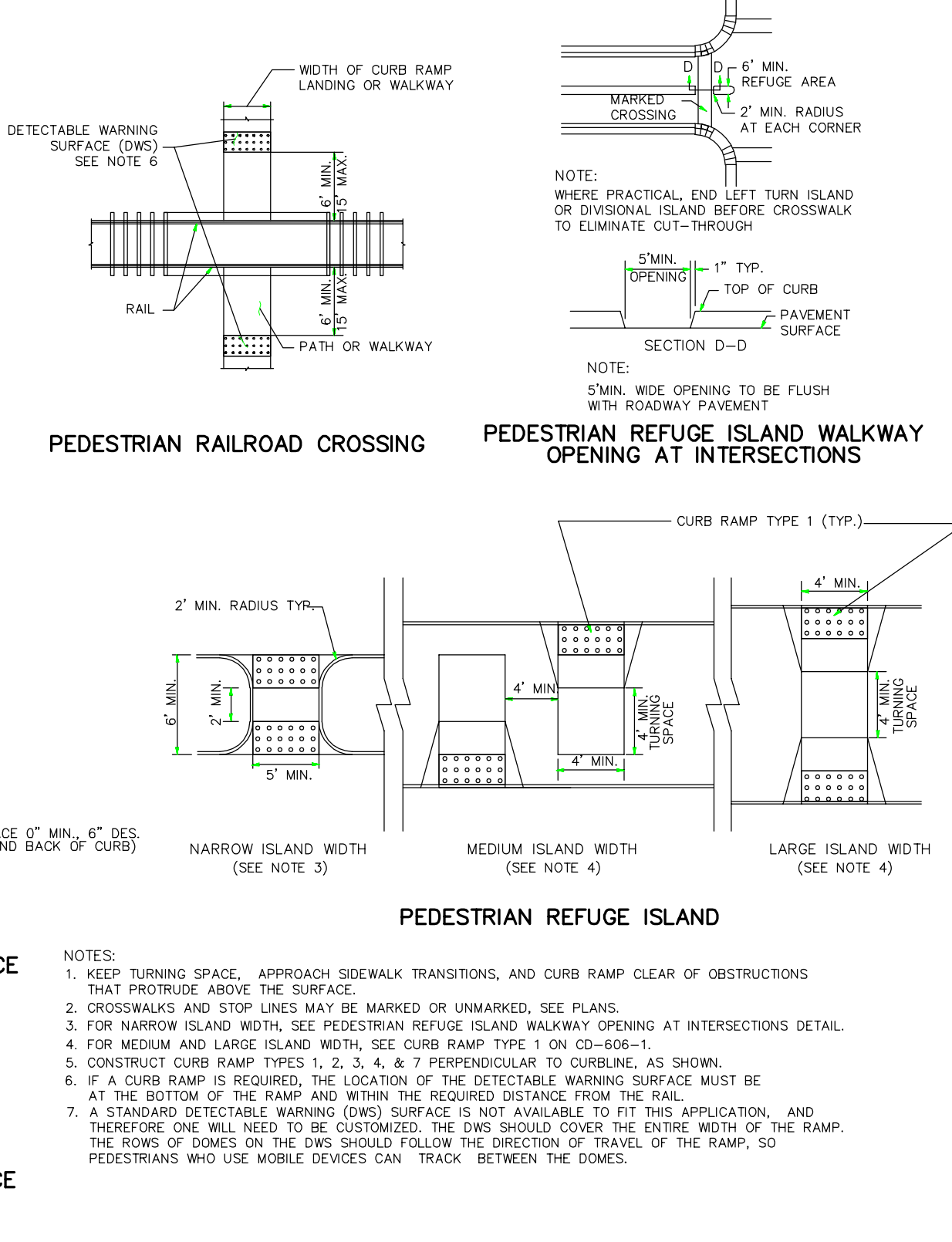
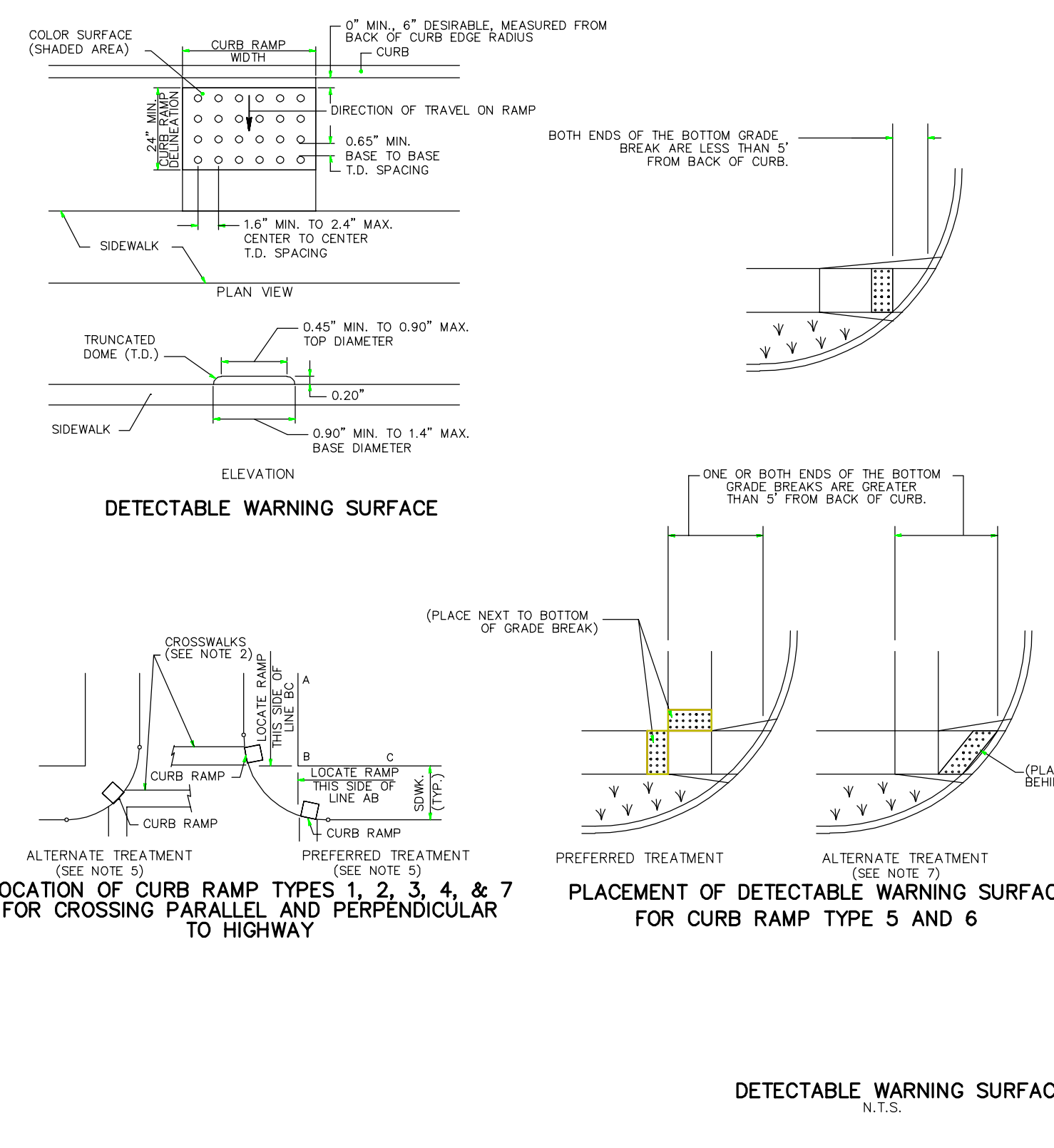
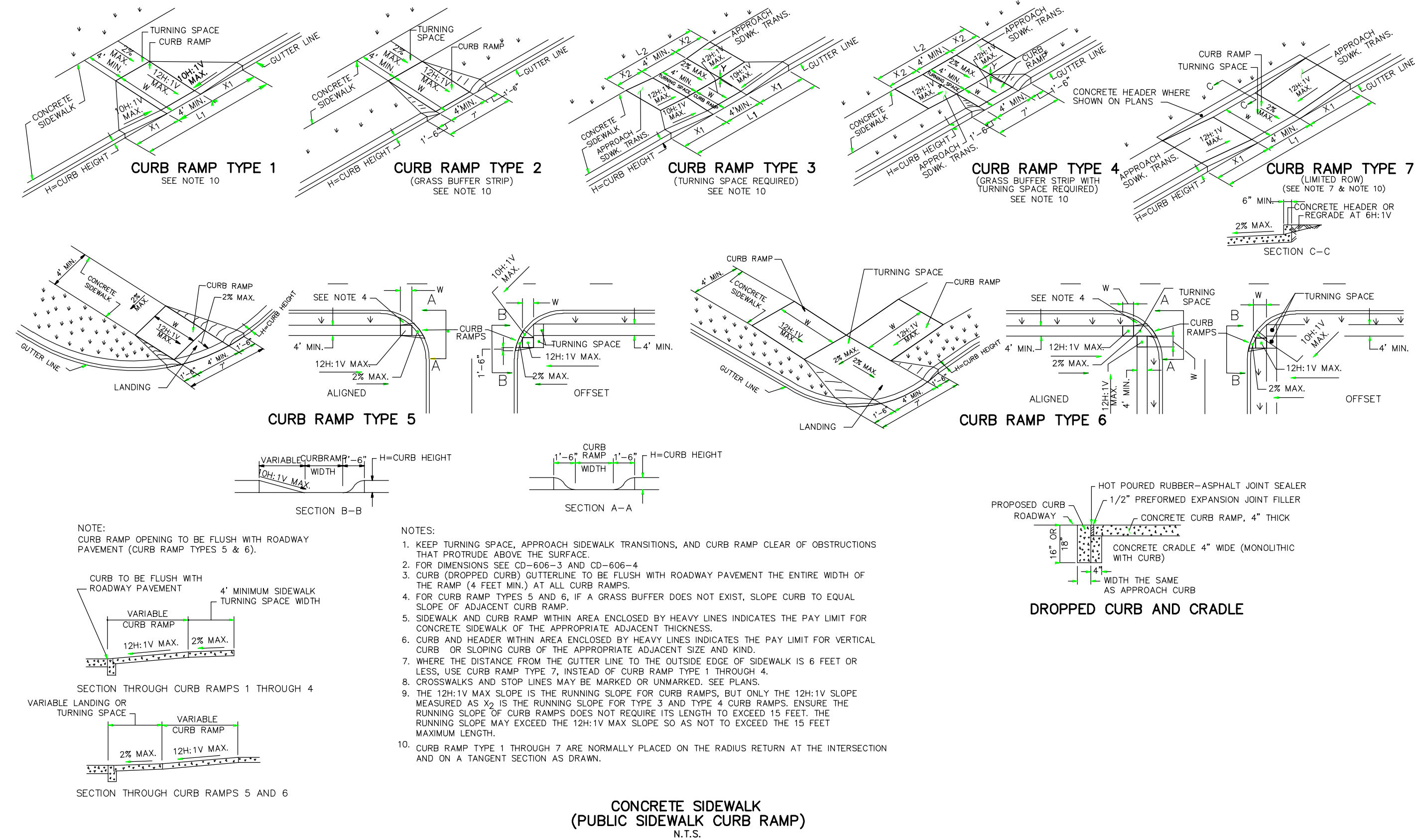
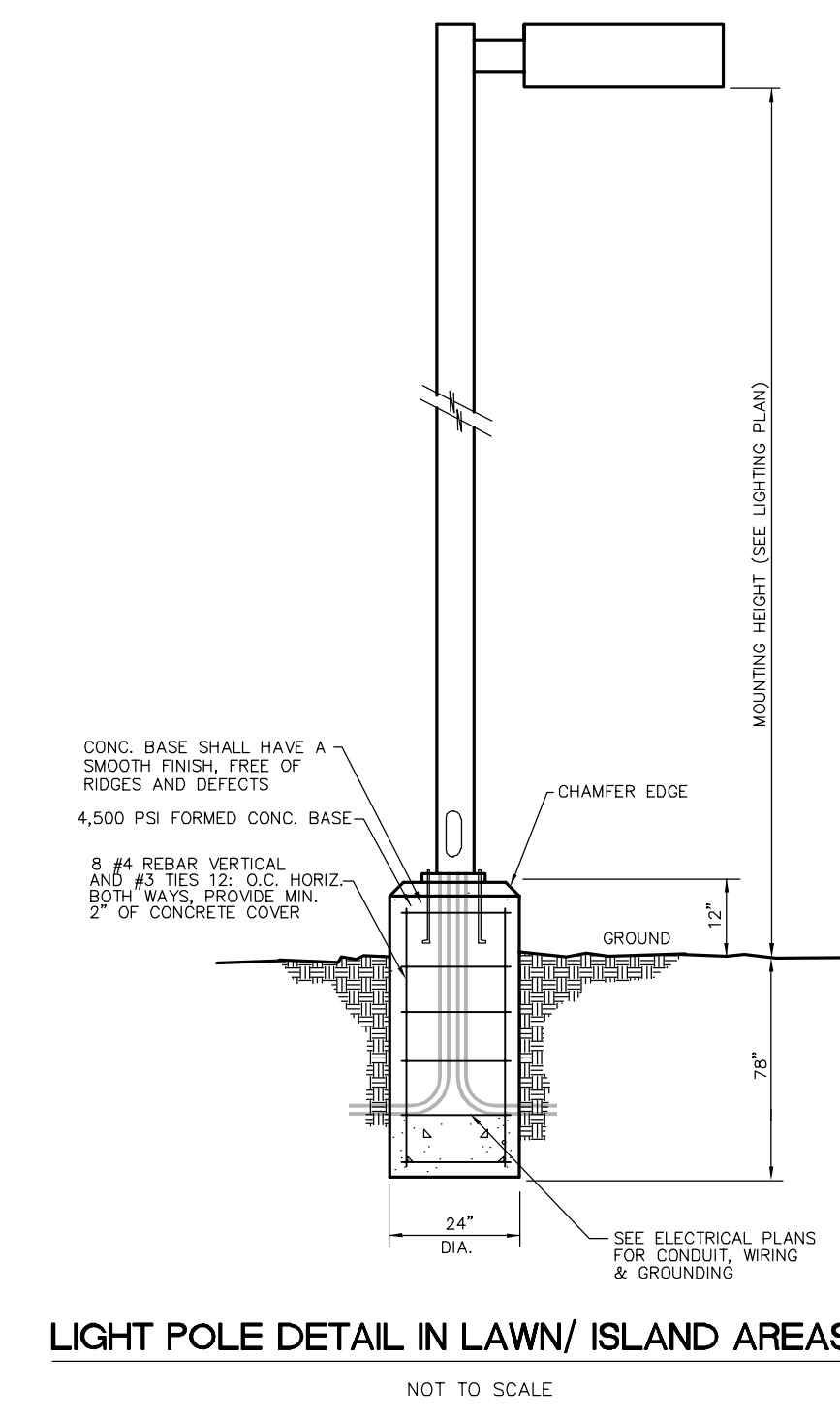
JUDICA Electronic Release Stamp and project information including project name, location, and owner details.

Project Location: 346 Clarksville Rd., West Windsor, New Jersey 08550.

Project Number: 5063LS / 1808WW. Project Date: 02.20.2020. Checked by: GRD. Drawn by: R.R.F. Scale: N.T.S.

Drawing Name: CONSTRUCTION DETAILS.

Revisions table with 2 entries: 1. 02.24.20 ISSUED FOR BID, 2. 03.12.20 ADDENDUM 2. Drawing Number: C112.



**CURB RAMP TYPE 1**  
TABLE WITH 4 COLUMNS: TYPE, WIDTH, LENGTH, AREA

**CURB RAMP TYPE 7**  
TABLE WITH 4 COLUMNS: TYPE, WIDTH, LENGTH, AREA

**CURB RAMP TYPE 2**  
TABLE WITH 4 COLUMNS: TYPE, WIDTH, LENGTH, AREA

NJCA Electronic Release Stamp

JOHN J. VEZI, AIA, CSBA  
N.J. 210666011 PA-1401818  
WILLIAM D. HOPKINS, AIA, LEED AP  
N.J. 210170001 PA-1401820  
GEORGE R. DUTHE, JR., AIA, PP  
N.J. 210170920

Corporate: 1515 Lower Ferry Road  
Trenton - New Jersey 08628  
Pennsylvania: 140 Whitaker Avenue  
Mont Clare - Pennsylvania 17453  
F.V.H.D. P.C. O.C.M.

**GARDCO EcoForm**  
Job Name: GARDCO EcoForm  
Catalog Number: ECF-S-64L-1A-NW-G2-AR-4-UNV-FINISH RTA-74252 (GARDCO, ULS)  
Type: S4

Ordering guide: example ECF-S-64L-1A-NW-G2-AR-4-UNV-FINISH RTA-74252 (GARDCO, ULS)

| Item | Part No.                                     | Description   | Material | Quantity | Notes                 |
|------|--|---------------|----------|----------|-----------------------|
| 1    | ECF-S-64L-1A-NW-G2-AR-4-UNV-FINISH RTA-74252 | LED luminaire | Aluminum | 1        | See notes for details |

OR APPROVED EQUAL

**GARDCO EcoForm**  
Job Name: GARDCO EcoForm  
Catalog Number: ECF-S-64L-1A-NW-G2-AR-4-UNV-FINISH RTA-74252 (GARDCO, ULS)  
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| Item | Part No.                                     | Description   | Material | Quantity | Notes                 |
|------|--|---------------|----------|----------|-----------------------|
| 1    | ECF-S-64L-1A-NW-G2-AR-4-UNV-FINISH RTA-74252 | LED luminaire | Aluminum | 1        | See notes for details |

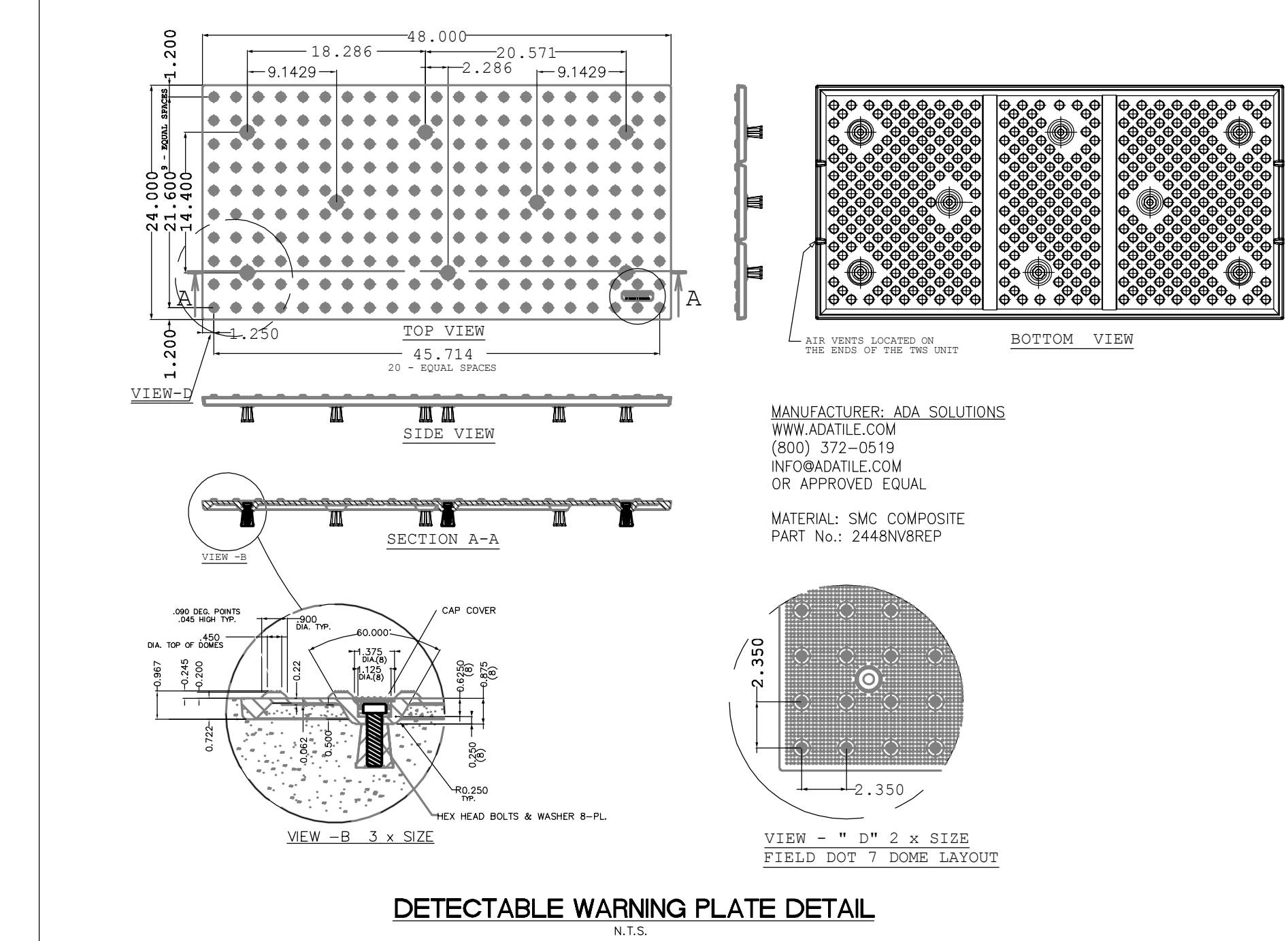
OR APPROVED EQUAL

**GARDCO EcoForm**  
Job Name: GARDCO EcoForm  
Catalog Number: ECF-S-64L-1A-NW-G2-AR-4-UNV-FINISH RTA-74252 (GARDCO, ULS)  
Type: S5

Ordering guide: example ECF-S-64L-1A-NW-G2-AR-4-UNV-FINISH RTA-74252 (GARDCO, ULS)

| Item | Part No.                                     | Description   | Material | Quantity | Notes                 |
|------|--|---------------|----------|----------|-----------------------|
| 1    | ECF-S-64L-1A-NW-G2-AR-4-UNV-FINISH RTA-74252 | LED luminaire | Aluminum | 1        | See notes for details |

OR APPROVED EQUAL



Project Name  
**Phase 1 Site Work at West Windsor-Plainsboro High School South**

Project Owner Name  
**West Windsor - Plainsboro Regional School District**

Project Location  
**346 Clarksville Rd., West Windsor, New Jersey 08550**

**GARDCO EcoForm**  
Job Name: GARDCO EcoForm  
Catalog Number: ECF-S-64L-1A-NW-G2-AR-4-UNV-FINISH RTA-74252 (GARDCO, ULS)  
Type: S3/S4 B2B

Ordering guide: example ECF-S-64L-1A-NW-G2-AR-4-UNV-FINISH RTA-74252 (GARDCO, ULS)

| Item | Part No.                                     | Description   | Material | Quantity | Notes                 |
|------|--|---------------|----------|----------|-----------------------|
| 1    | ECF-S-64L-1A-NW-G2-AR-4-UNV-FINISH RTA-74252 | LED luminaire | Aluminum | 1        | See notes for details |

OR APPROVED EQUAL

**GARDCO PureForm**  
Job Name: GARDCO PureForm  
Catalog Number: PPT-1-64L-1A-NW-G2-T2-UNV-FINISH RAA-10B-10-T2-FINISH  
Type: P2

Ordering guide: example PPT-1-64L-1A-NW-G2-T2-UNV-FINISH RAA-10B-10-T2-FINISH

| Item | Part No.  | Description   | Material | Quantity | Notes                 |
|------|---|---------------|----------|----------|-----------------------|
| 1    | PPT-1-64L-1A-NW-G2-T2-UNV-FINISH RAA-10B-10-T2-FINISH | LED luminaire | Aluminum | 1        | See notes for details |

OR APPROVED EQUAL

**GARDCO Pole/Bracket**  
Job Name: GARDCO Pole/Bracket  
Catalog Number: PPT-1-64L-1A-NW-G2-T2-UNV-FINISH RAA-10B-10-T2-FINISH  
Type: P2

Ordering guide: example PPT-1-64L-1A-NW-G2-T2-UNV-FINISH RAA-10B-10-T2-FINISH

| Item | Part No.  | Description   | Material | Quantity | Notes                 |
|------|---|---------------|----------|----------|-----------------------|
| 1    | PPT-1-64L-1A-NW-G2-T2-UNV-FINISH RAA-10B-10-T2-FINISH | LED luminaire | Aluminum | 1        | See notes for details |

OR APPROVED EQUAL

**GARDCO EcoForm**  
Job Name: GARDCO EcoForm  
Catalog Number: ECF-S-64L-1A-NW-G2-AR-4-UNV-FINISH RTA-74252 (GARDCO, ULS)  
Type: S3

Ordering guide: example ECF-S-64L-1A-NW-G2-AR-4-UNV-FINISH RTA-74252 (GARDCO, ULS)

| Item | Part No.                                     | Description   | Material | Quantity | Notes                 |
|------|--|---------------|----------|----------|-----------------------|
| 1    | ECF-S-64L-1A-NW-G2-AR-4-UNV-FINISH RTA-74252 | LED luminaire | Aluminum | 1        | See notes for details |

OR APPROVED EQUAL

2019 N.J.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS AMENDED OR SUPPLEMENTED SHALL GOVERN THE CONSTRUCTION OF THIS PROJECT

**Van Cleef ENGINEERING ASSOCIATES**  
Consulting Civil Engineering  
Bridge Design  
Highway Design  
Construction Inspection  
Geotechnical Engineering  
Water/Wastewater  
Municipal Engineering  
Land Surveying  
Professional Planning  
Landscape Architecture

With Office in New Jersey, Pennsylvania & Delaware

600 SOUTHVIEW DRIVE, SUITE 100, NEW JERSEY, NJ 08053  
PHONE: (609) 689-1100 FAX: (609) 689-1120  
NJ LIC. CERT. NO. 2454283200

**Dig Safely**  
IF YOU GOING TO DIG, CALL OR CALL THEM TO IDENTIFY UTILITIES BEFORE YOU DIG!  
1-800-272-1000  
IT'S THE LAW  
Dig Safely

BY: **Herbert J. Seeburger, Jr.** DATE: 2/20/20  
HERBERT J. SEEBURGER, JR., N.J. PROFESSIONAL ENGINEER NO. 245204748700

Project Number  
**5063LS / 1808WW**

Project Date  
**02.20.2020**

Checked By  
**GRD**

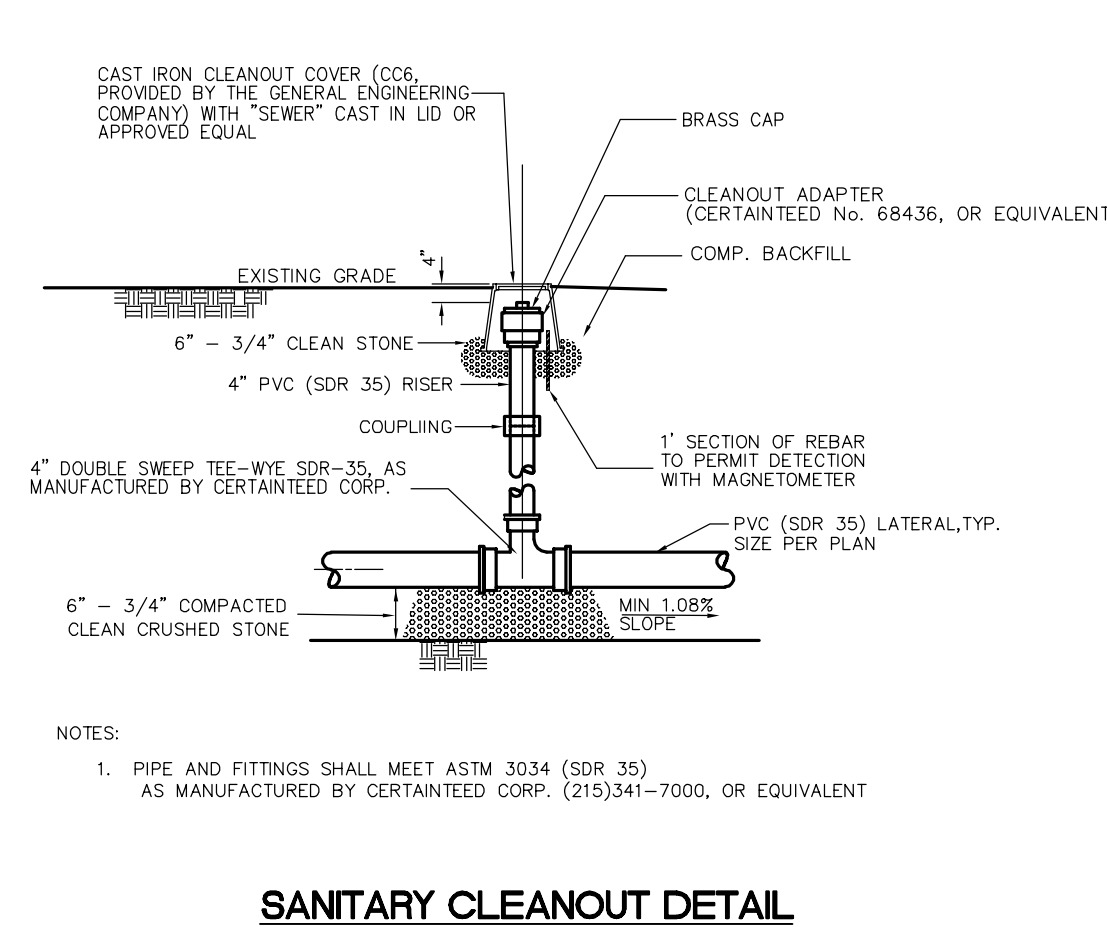
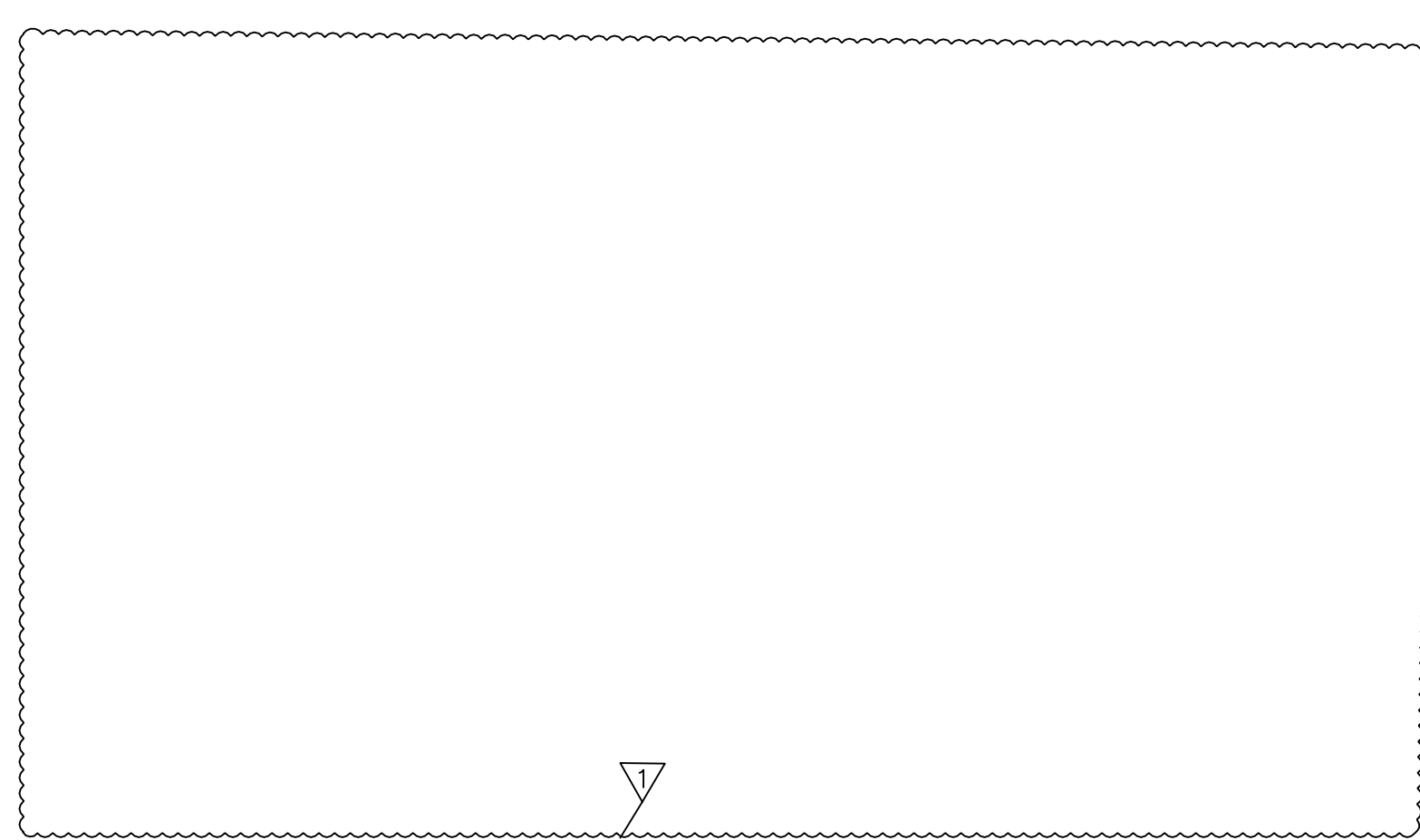
Drawn by  
**R.R.F.**

Scale  
**N.T.S.**

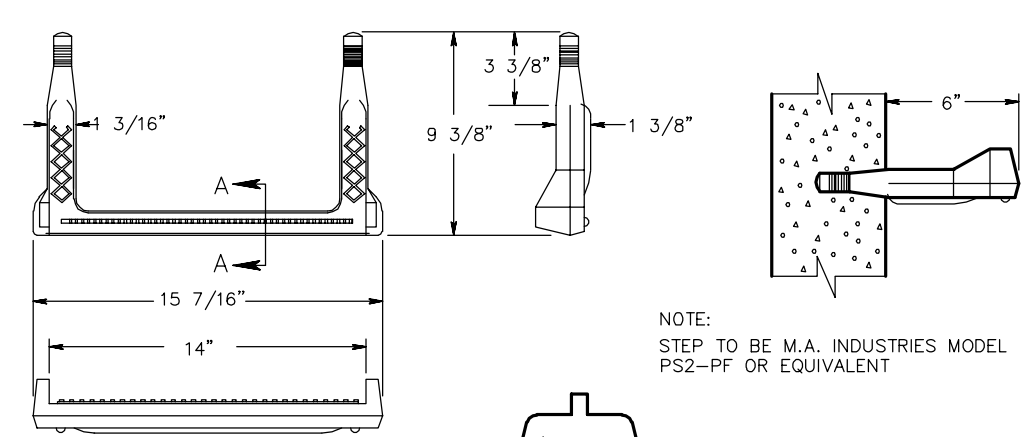
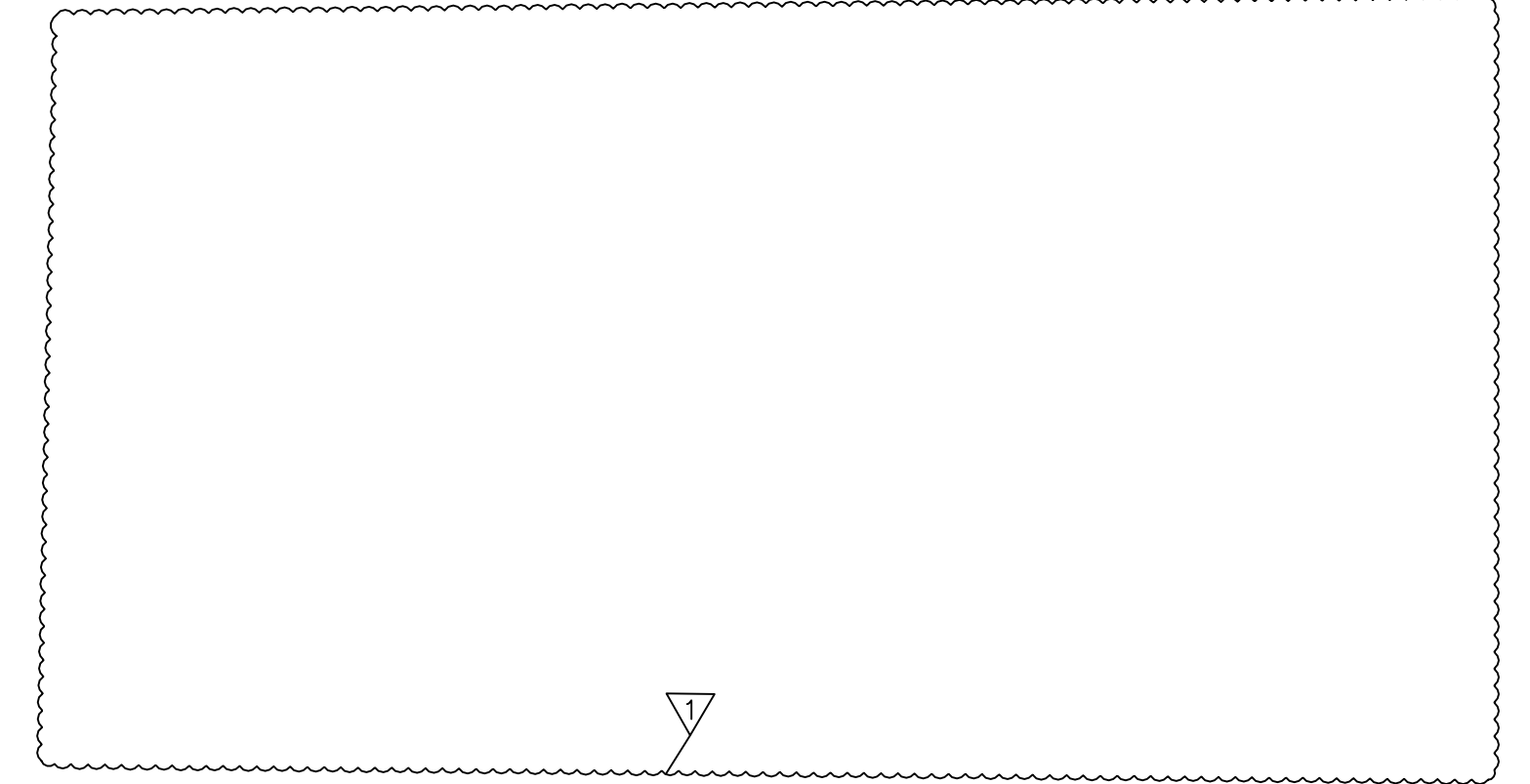
Drawing Name  
**CONSTRUCTION DETAILS**

| Revisions | No.      | Date           | Description |
|-----------|----------|----------------|-------------|
| 1         | 02.24.20 | ISSUED FOR BID |             |

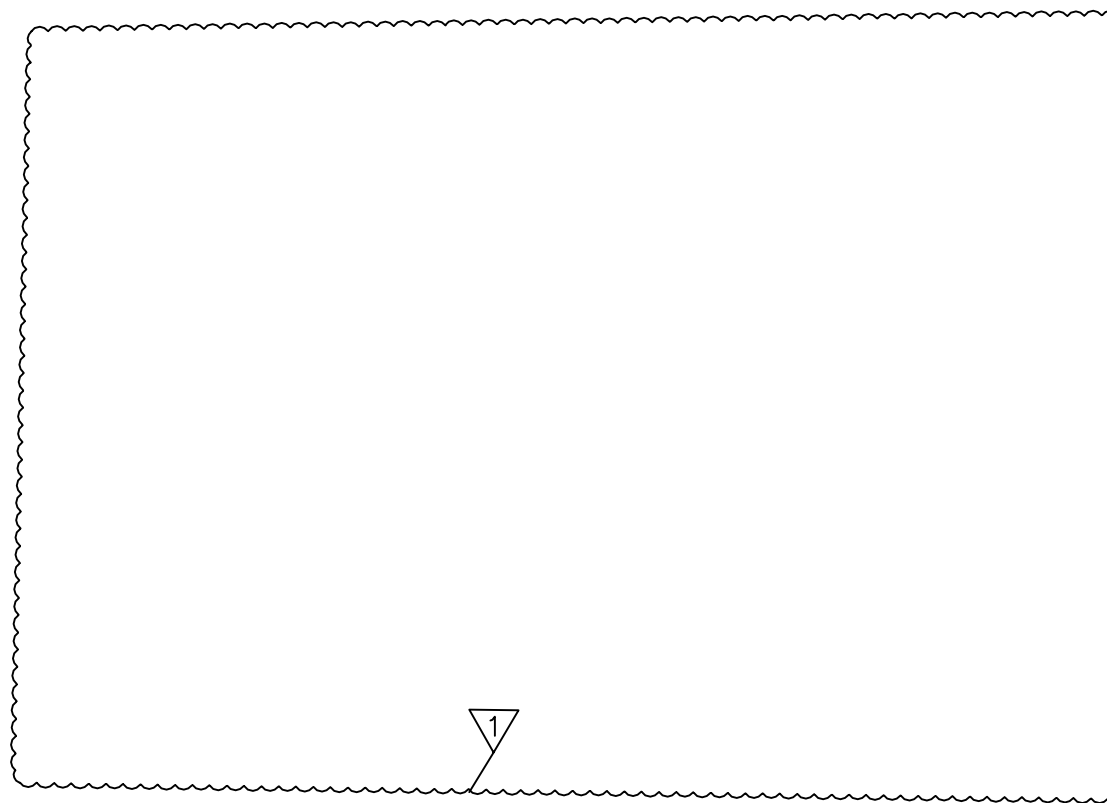
Drawing Number  
**C113**



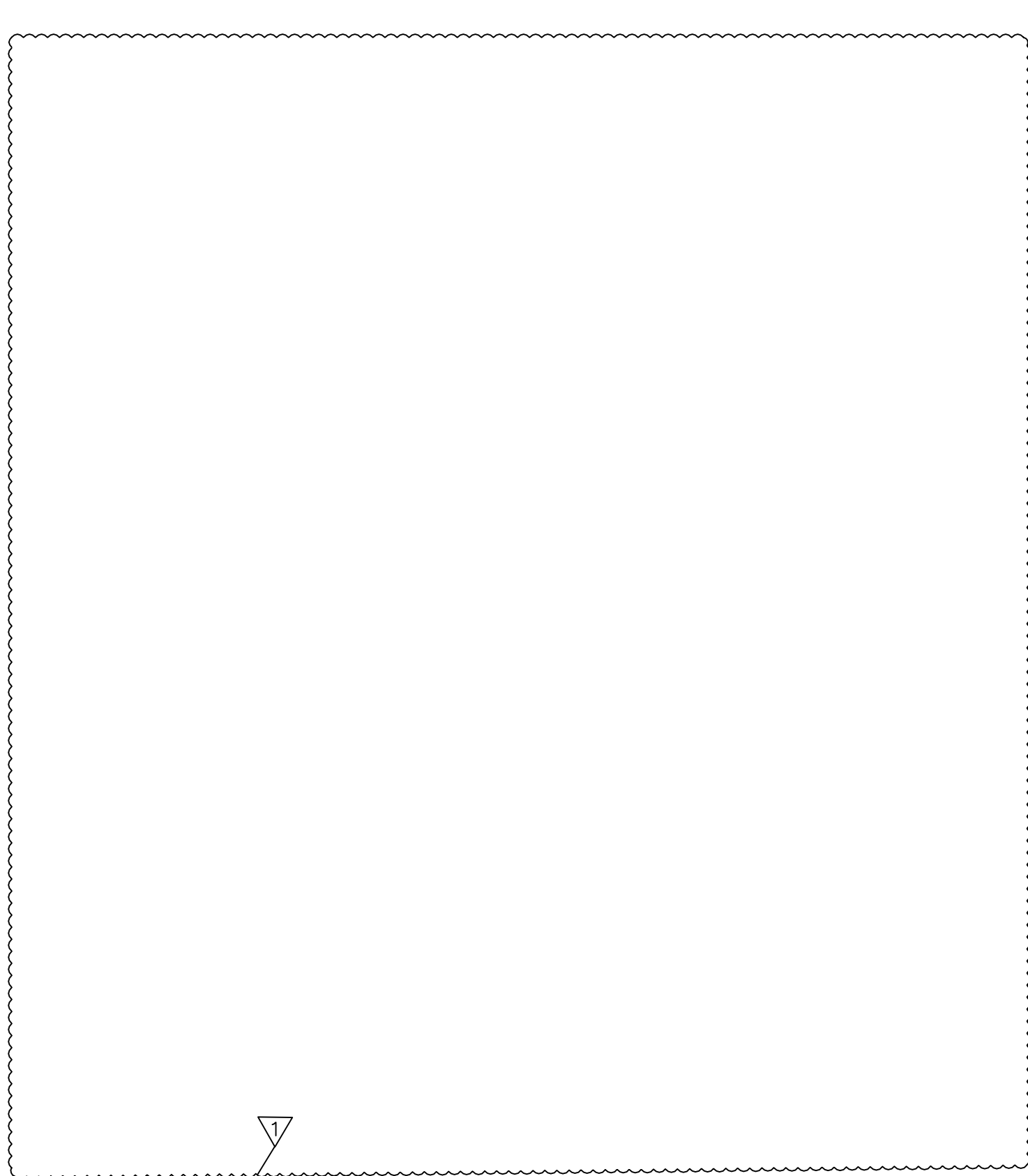
**SANITARY CLEANOUT DETAIL**  
N.T.S.



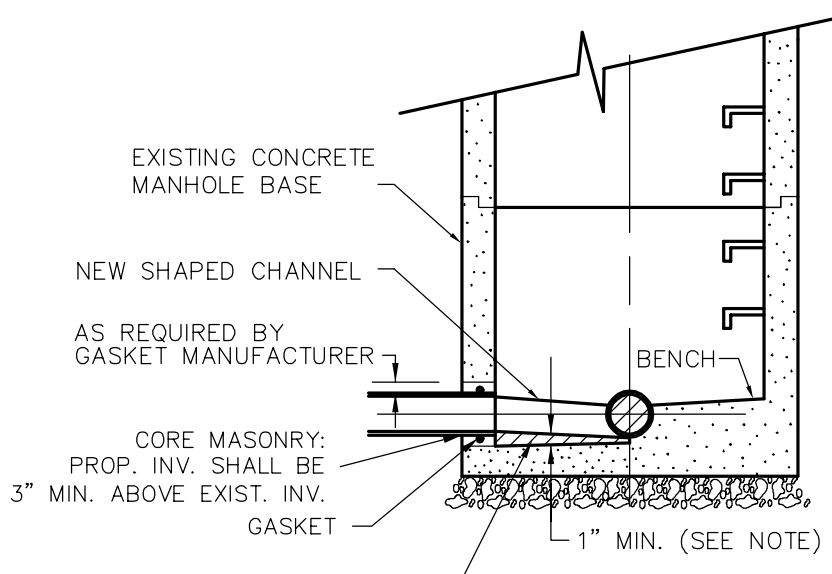
**LADDER RUNG DETAIL**  
NOT TO SCALE



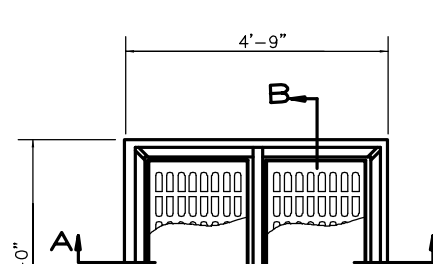
**STORM SEWER TRENCH PAVEMENT AND SIDEWALK**  
NOT TO SCALE



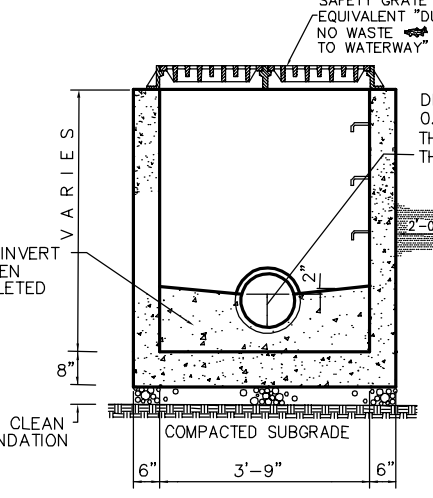
- CLEAN AND ROUGHEN ALL SURFACES AGAINST WHICH NEW MORTAR IS TO BE PLACED.
- EXISTING CONCRETE SHALL BE REMOVED TO A LINE 1" BEYOND THE NEW CHANNEL LINE AND FINISHED OFF WITH NEW CEMENT MORTAR OR APPROVED EQUAL.
- USE WATER-TIGHT RUBBER BOOT MANUFACTURED BY KOR-N-SEAL OR APPROVED EQUAL.
- IF THE PROPOSED PIPE COINCIDES WITH THE EXISTING MANHOLE RUNGS:
  - THE EXISTING MANHOLE OPENING AND CONE SECTION SHALL BE REALIGNED WITH THE PROPOSED ACCESS LADDER. THE EXISTING MANHOLE RUNGS WITHIN THE CONE SECTION MAY REMAIN AND ALL OTHERS SHALL BE REMOVED.
  - A NEW ACCESS LADDER SHALL BE INSTALLED (SEE DETAIL). SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW.
- SUBMIT SHOP DRAWINGS FOR APPROVAL.



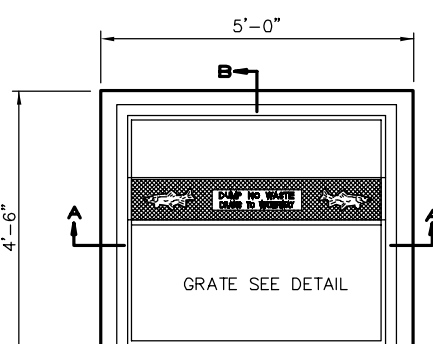
**NEW CONNECTION TO EXISTING SANITARY M.H.**  
N.T.S.



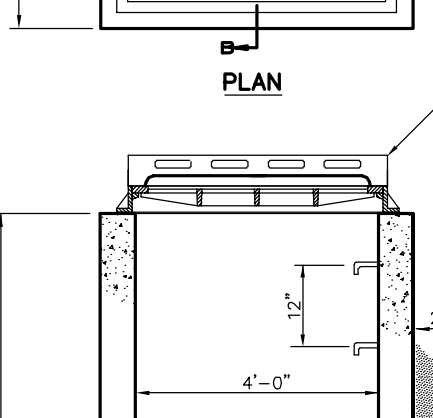
**NOTE:**  
INLETS 8" TO 12" DEEP SHALL BE SINGLE WALL CONSTRUCTION (S) UNLESS OTHERWISE NOTED. INLETS 12" DEEP SHALL BE DOUBLE WALL CONSTRUCTION (D).  
GRATE TO CONTAIN "TAMP NO WASTE" OR "GRATE TO WATERWAY".



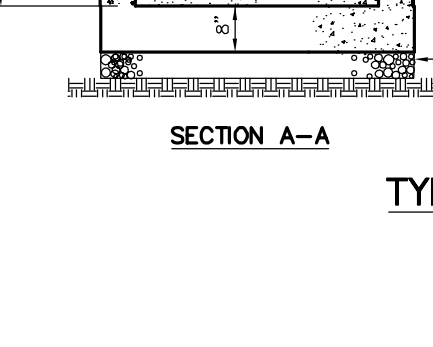
**TYPE 'E' INLET**  
N.T.S.



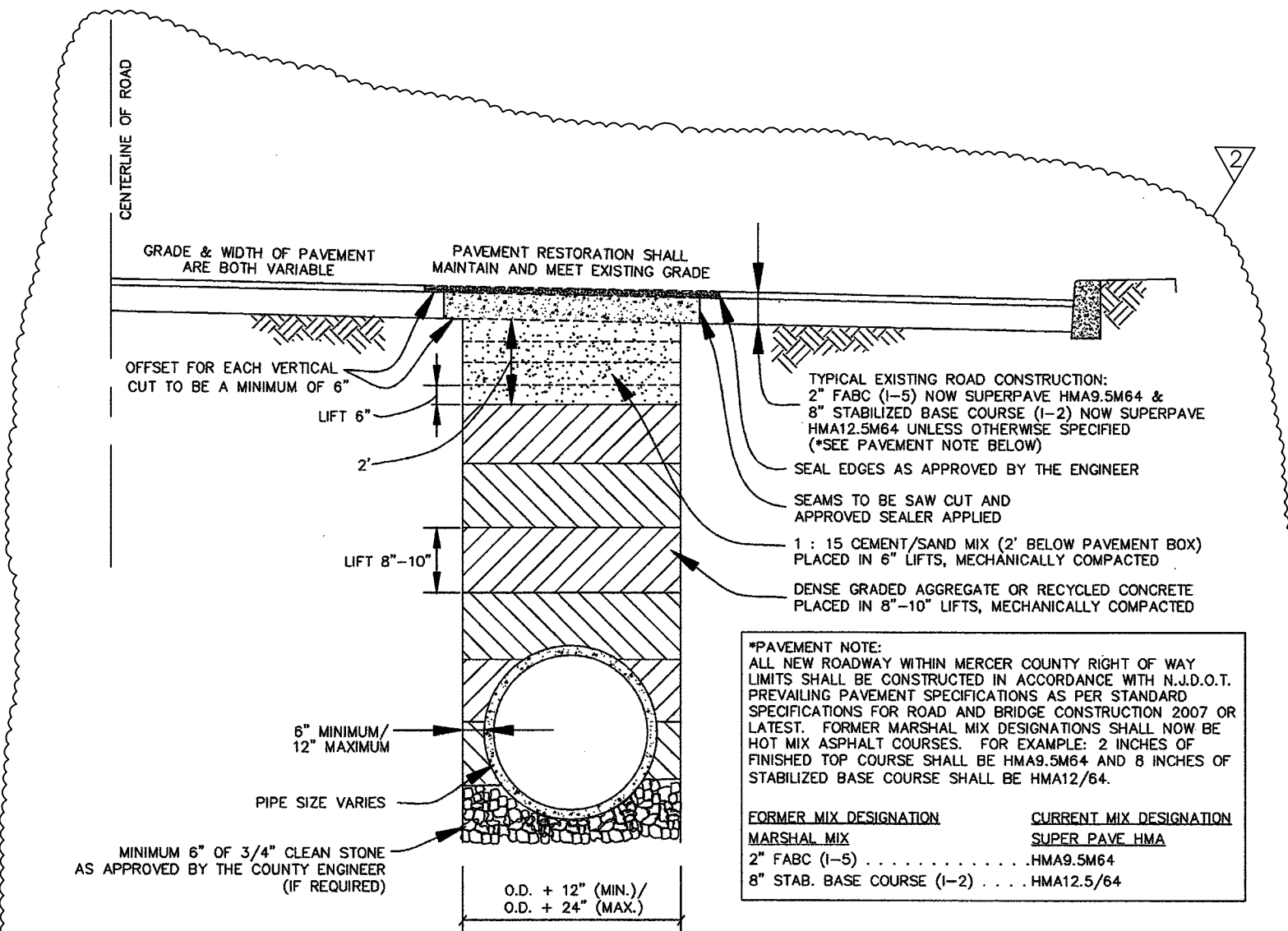
**NOTE:**  
INLETS 8" TO 12" DEEP SHALL BE SINGLE WALL CONSTRUCTION (S) UNLESS OTHERWISE NOTED. INLETS 12" DEEP SHALL BE DOUBLE WALL CONSTRUCTION (D).  
GRATE TO CONTAIN "TAMP NO WASTE" OR "GRATE TO WATERWAY".



**TYPE 'B' INLET**  
N.T.S.

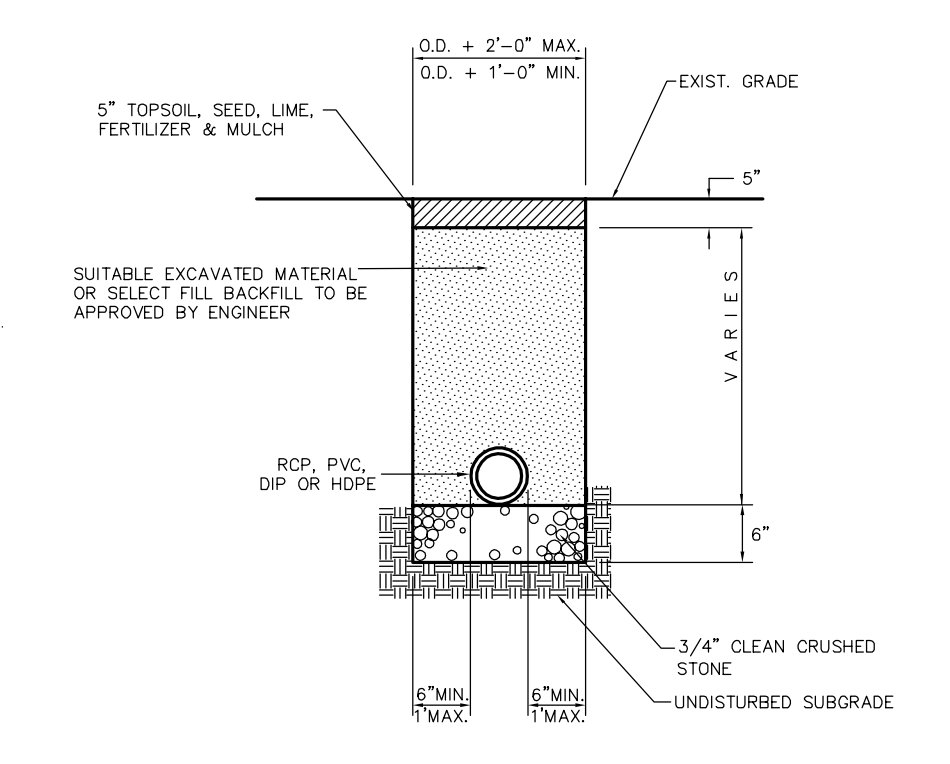


**TYPE 'B' INLET**  
N.T.S.

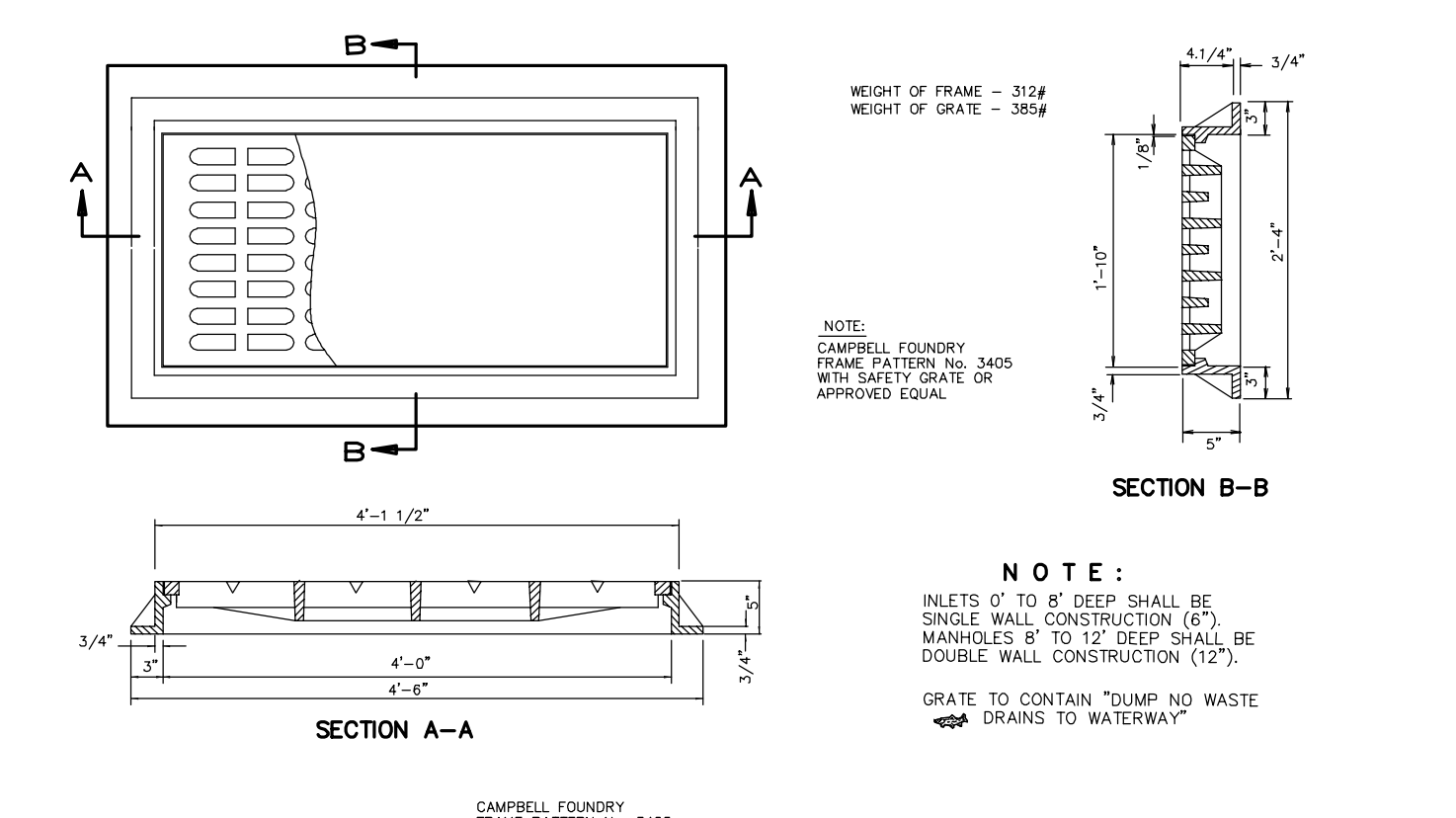


**Mercer County Roadway - Utility Trench Detail**  
NOT TO SCALE

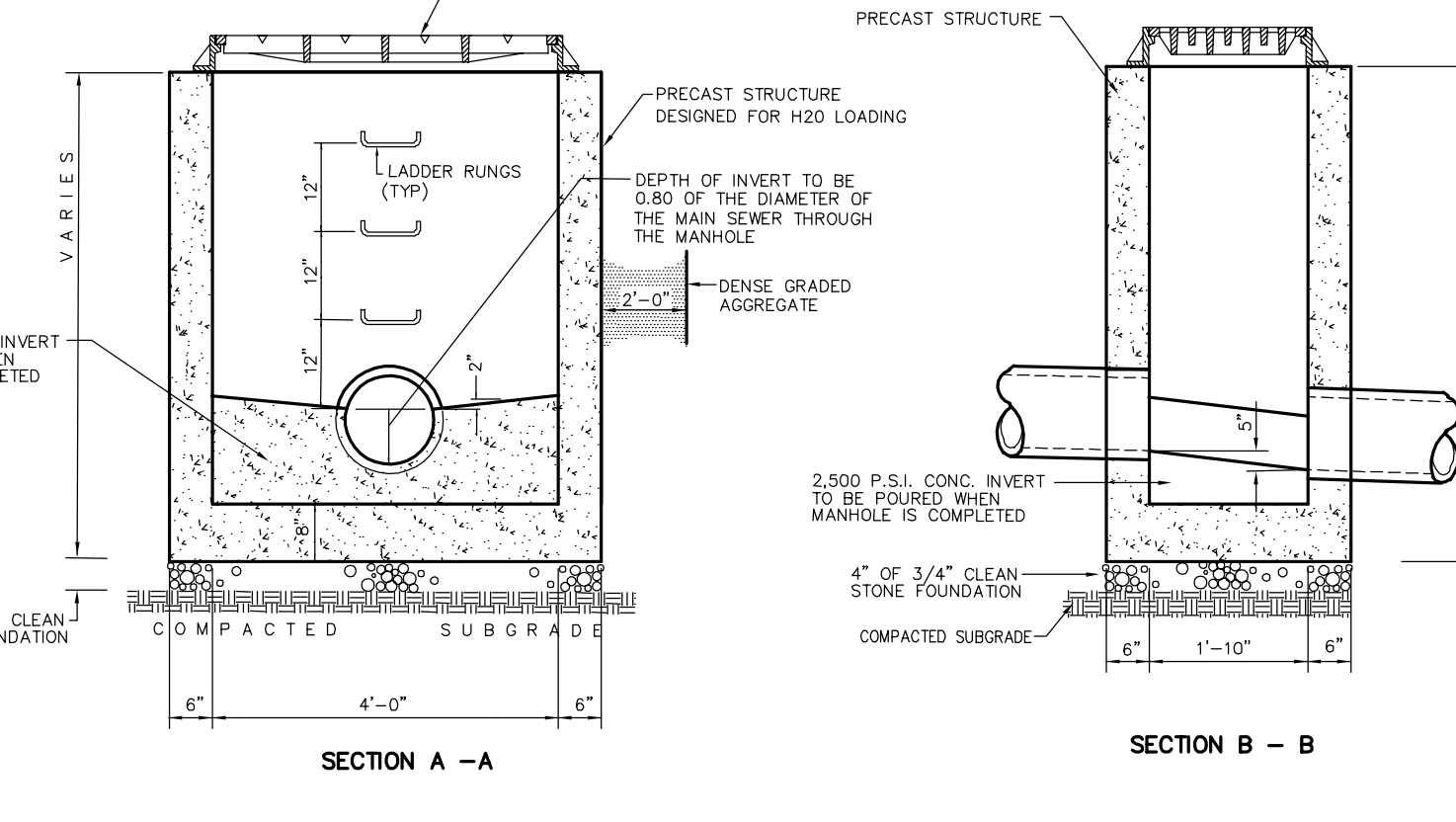
- TWO LINES OF TRAFFIC, ONE IN EACH DIRECTION, MUST BE MAINTAINED AT ALL TIMES.
- ALL TRAFFIC CONTROL PRECISION MUST BE IN HANDING OR NEAR A REFLECTIVE WEST AND USE A STOP/SLOW PADDLE SIGN.
- NO ROAD CAN BE CLOSED AT ANY TIME WITHOUT PRIOR APPROVAL FROM THE MERCER COUNTY ENGINEER OR THE COUNTY TRAFFIC ENGINEER.
- CONCRETE ROADS MUST BE SAW CUT AND RESTORED WITH 4000 PSI AIR-ENTRAINED CONCRETE TO THE CORRECT THICKNESS.
- ALL TRENCHES ARE TO BE SAW CUT.
- THE SURFACE COURSE IS TO BE PLACED AFTER THE TRENCH SETTLEMENT TRENCH HAS ELAPSED, OR WHEN DIRECTED BY THE COUNTY ENGINEER OR THE MERCER COUNTY ROAD SUPERVISOR.
- NO ROAD CAN BE OPENED AFTER NOVEMBER 15TH OR BEFORE APRIL 15TH. THE ONLY EXCEPTION WILL BE FOR EMERGENCIES DECLARED BY THE COUNTY ENGINEER.
- ROAD PLATES MAY NOT BE LEFT IN PLACE AFTER NOVEMBER 15TH. THE ONLY EXCEPTION SHALL BE FOR EMERGENCIES DECLARED BY THE COUNTY ENGINEER.
- BACK FILL MATERIAL SHALL BE 15% SAND/FILL FOR FIRST 2 FEET OF TRENCH DEPTH BELOW PAVEMENT BOB. ALL BACKFILL BELOW THE 2' OF SAND/FILL SHALL BE 50% OR RECYCLED CONCRETE.
- 15% SAND/FILL BACKFILL SHALL BE PLACED IN 6" INCH (6") LIFTS AND MECHANICALLY COMPACTED. ALSO 50% OR RECYCLED CONCRETE IF REQUIRED, SHALL BE PLACED IN TWO FOOT (2') LIFTS AND MECHANICALLY COMPACTED.
- CONTACT THE SUPERVISOR PRIOR TO BACK FILLING THE TRENCH TO SCHEDULE AN INSPECTION.
- IF THE COUNTY INSPECTOR IS NOT PRESENT WHEN THE TRENCH IS BACKFILLED, THE CONTRACTOR MUST EVALUATE THE MATERIAL AND NOTAL THE CONTRACTOR WITH THE INSPECTOR IS PRESENT.
- THE CONTRACTOR IS REQUIRED TO MAINTAIN THE PAVEMENT IN A SMOOTH AND SAFE CONDITION, INCLUDING PAVEMENT CRACKING AND REPAIRS OF ALL CRACKS AND SPALLS.
- THE CONTRACTOR MUST RESTORE THE PAVEMENT TO CORRECT STREET.
- THE INSPECTOR WILL BE NOTIFIED UPON COMPLETION OF THE PROJECT.
- ALL COUNTY SURVEY MONUMENTS MUST BE PRESERVED.
- NO BLASTING WILL TAKE PLACE WITHIN THE PUBLIC RIGHT-OF-WAY UNLESS APPROVED BY THE COUNTY ENGINEER. IF APPROVAL IS GIVEN FOR BLASTING, A LICENSED EXPLOSER MUST BE USED. ALL PERMITS FOR BLASTING AND PROPER SAFETY PROCEDURES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE LICENSED EXPLOSER, SHAKING, PUBLIC NOTICE AND NOTIFICATION OF HOME AND BUSINESS OWNERS.
- AT THE END OF EACH WORK DAY, ALL TRENCHES MUST BE BACKFILLED AS PREVIOUSLY NOTED OR COVERED WITH AN APPROVED STEEL PLATE SO THAT TRAFFIC CAN FLOW SAFELY. AN INSPECTOR WILL BE PRESENT AT THE END OF THE WORK DAY.
- ROAD OPENING PERMITS WILL BE ISSUED BY THE ROAD SUPERVISOR, AND MUST BE KEPT ON THE JOB SITE AT ALL TIMES.
- THE ROAD OPENING PERMIT IS VALID FOR FIFTEEN (15) DAYS. ANY EXTENSION CAN BE REQUESTED IF NEEDED. THE EXTENSION MUST BE APPROVED BY THE COUNTY ENGINEER OR THE ROAD SUPERVISOR.
- ROAD OPENINGS ARE ALLOWED BETWEEN THE HOURS OF 6:00 AM AND 3:00 PM, REQUESTED FOR ALTERNATE AND/OR ADDITIONAL HOURS SHALL BE DIRECTED TO OTHER THE COUNTY ENGINEER OR THE COUNTY TRAFFIC ENGINEER.
- A 48 HOUR NOTICE SHALL BE GIVEN TO THE ROAD SUPERVISOR OF THE MERCER COUNTY HIGHWAY DEPARTMENT (800-330-7300) PRIOR TO STARTING CONSTRUCTION AND/OR EXCAVATION.
- ALL PROJECTS SHALL BE SCHEDULED WITH THE ROAD SUPERVISOR.
- ALL PROJECTS MUST BE NOTIFIED IN THE EVENT OF A DETOUR OR ROAD CLOSURE. POLICE, FIRE DEPARTMENTS & EMERGENCY PERSONNEL.
- A TRAFFIC CONTROL PLAN SHALL BE REQUIRED, THE COUNTY ENGINEER OR COUNTY TRAFFIC ENGINEER MAY REVIEW THE TRAFFIC CONTROL PLAN IF DEEMED APPROPRIATE.
- COMMUNITY NOTICE SHALL BE GIVEN 48 HOURS PRIOR TO BEGINNING ROADWORK.
- OUTSIDE AND/OR CAUTION SIGNS, FLASHING LIGHTS, CONES, BARRIERS AND/OR CONSTRUCTION BARRIERS SHALL BE IN PLACE PRIOR TO THE BEGINNING OF CONSTRUCTION AS WELL AS DURING AND AFTER WORK HOURS AS DIRECTED BY THE ENGINEER.
- THE REQUIRED SIGN, ETC. SHALL MEET THE CURRENT MICHIGAN STANDARDS AND SHALL BE THE CONTRACTOR'S EXPENSE.
- MERCER COUNTY WILL NOT PROVIDE SIGNS, ETC.
- ANY PERSON OR PERSONS, FIRM, CORPORATION OR MUNICIPALITY VIOLATING ANY PROVISION OF THE MERCER COUNTY ROAD RESOLUTION MAY BE SUBJECT TO A FINE AND IS EXEMPT FROM ANY CALENDAR DAY OR IMPROVEMENT IN THE COUNTY JAIL NOT MORE THAN NINETY (90) DAYS.



**STORM SEWER TRENCH OFF-ROAD**  
NOT TO SCALE



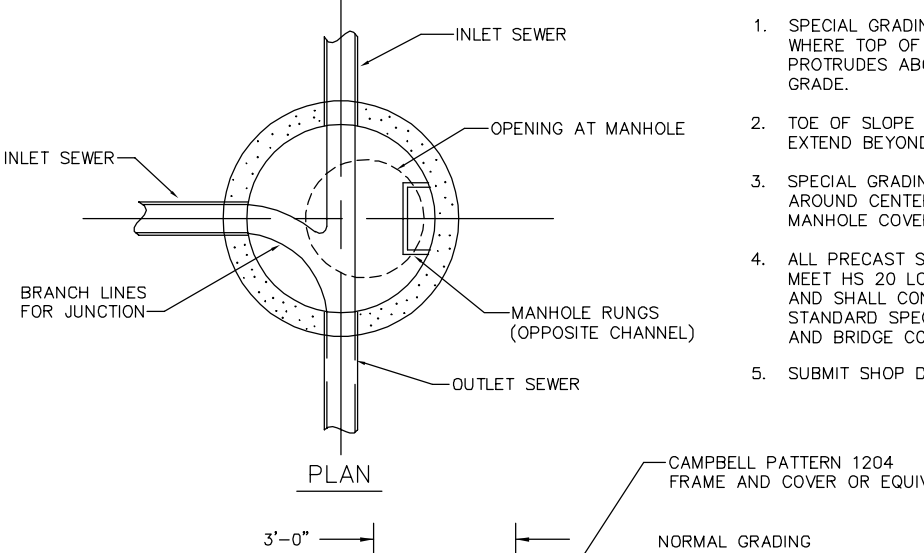
**TYPE 'A' INLET**  
N.T.S.



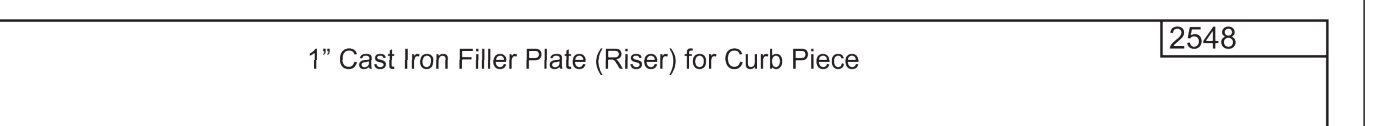
**TYPE 'A' INLET**  
N.T.S.

**GENERAL STORM SEWER NOTES**

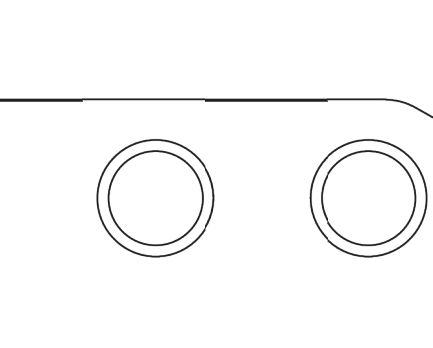
- ALL PRECAST DRAINAGE STRUCTURES SHALL CONTAIN REINFORCING STEEL AND BE DESIGNED FOR HS-20 LOADING.
- SHOP DRAWINGS OF ALL PRECAST DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE OWNER'S ENGINEER FOR APPROVAL PRIOR TO INSTALLATION. ALL PRECAST STRUCTURES SHALL COMPLY WITH THE NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST REVISION.
- ALL REINFORCED CONCRETE PIPE SHALL BE CLASS III PIPE UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL JOINTS SHALL BE MORTARED WITH 2:1 SAND MORTAR UNLESS OTHERWISE NOTED ON THE PLANS.
- ANY DRAINAGE STRUCTURE THAT IS TO BE LEFT UNCOVERED FOR MORE THAN 8 HOURS SHALL BE PROTECTED WITH BARRICADES IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES OR OSHA STANDARDS.
- ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS CONSTRUCTION OF STORM SEWER PROGRESSES IN ACCORDANCE WITH THE SEQUENCE OF CONSTRUCTION.
- ALL STORM SEWER CONSTRUCTION SHALL BEGIN AT THE LOWEST ELEVATION.



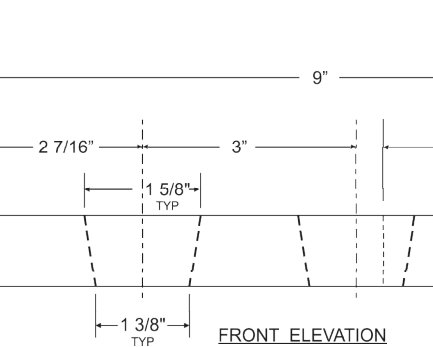
**STANDARD PRECAST STORM SEWER MAN-HOLE**  
N.T.S.



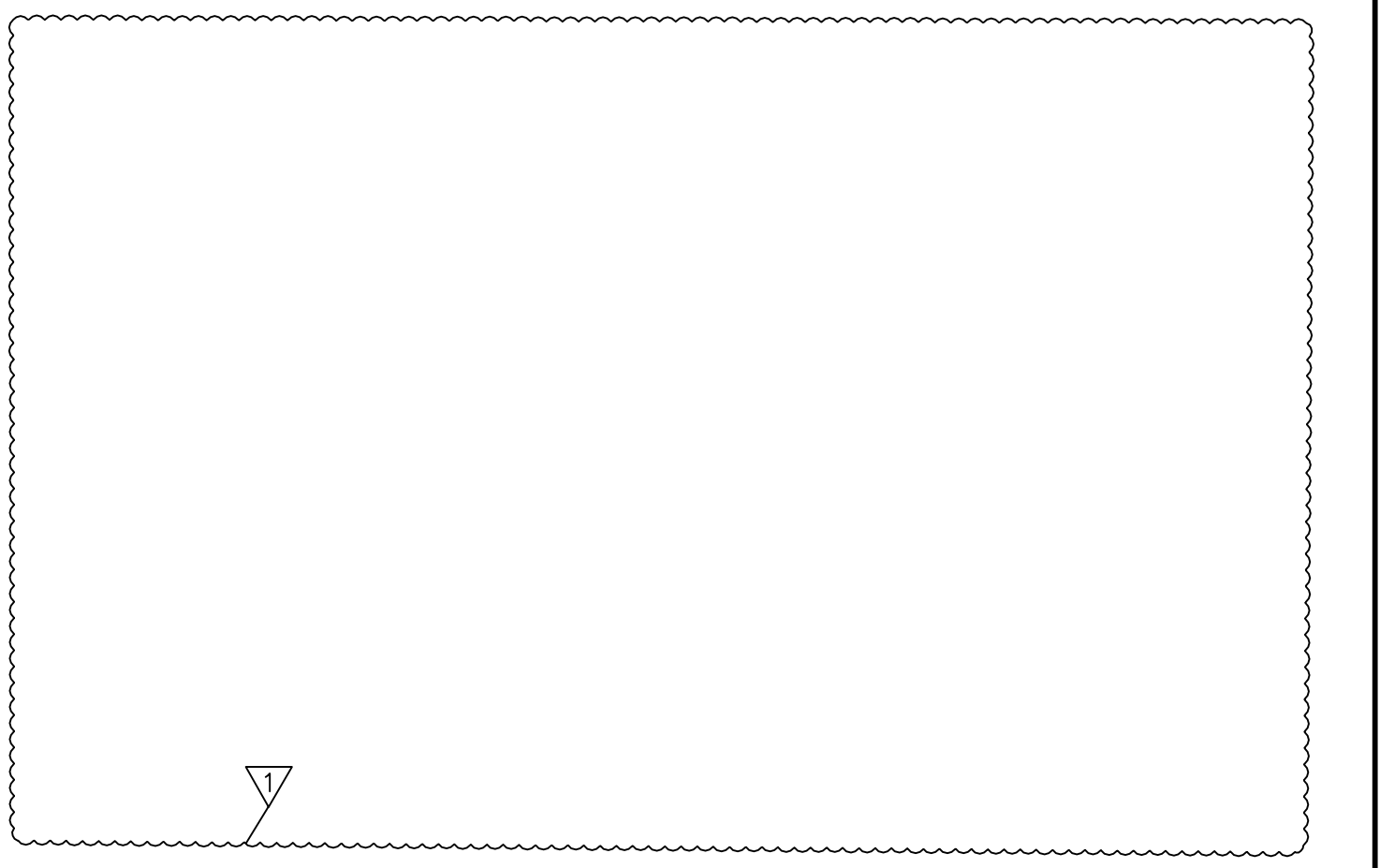
**CAMPBELL FOUNDRY COMPANY**  
Harrison, N.J. 07029  
Phone: 973-848-1300 FAX: 973-848-1643  
NJ REG. NO. 262534  
1" Cast Iron Filter Plate (Riser) for Curb Piece  
Part Number: 2548 OR APPROVED EQUIVALENT



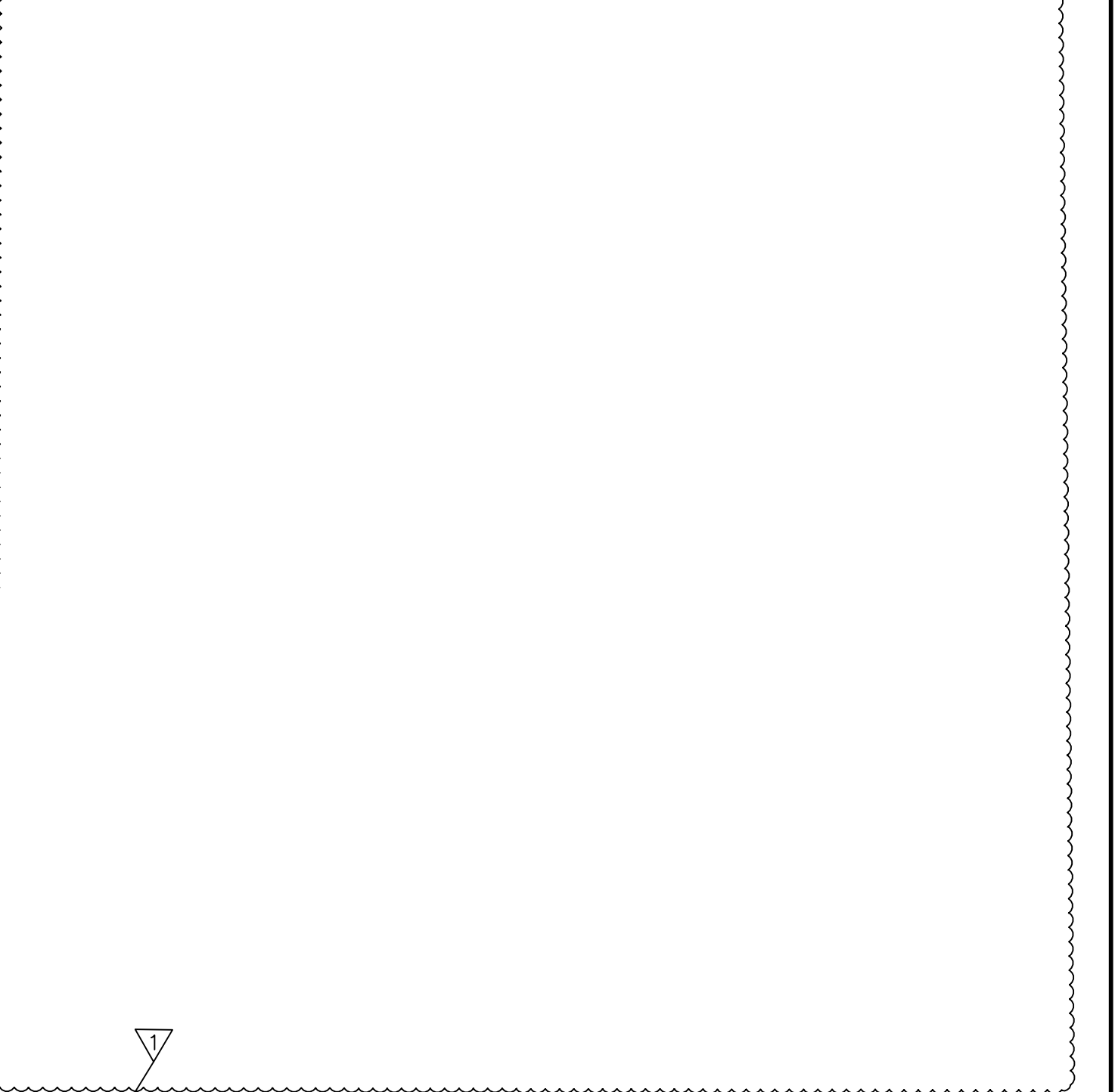
**TYPE 'B' INLET WITH ACCESS PLATE**  
N.T.S.



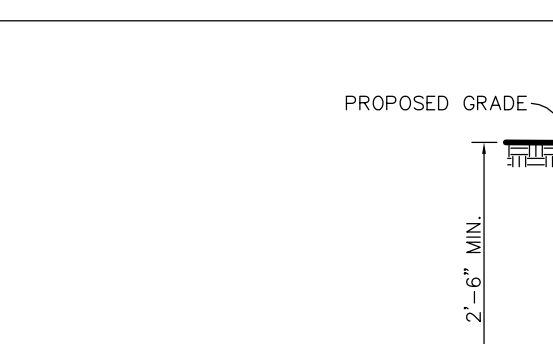
**TYPE 'B' INLET WITH ACCESS PLATE**  
N.T.S.



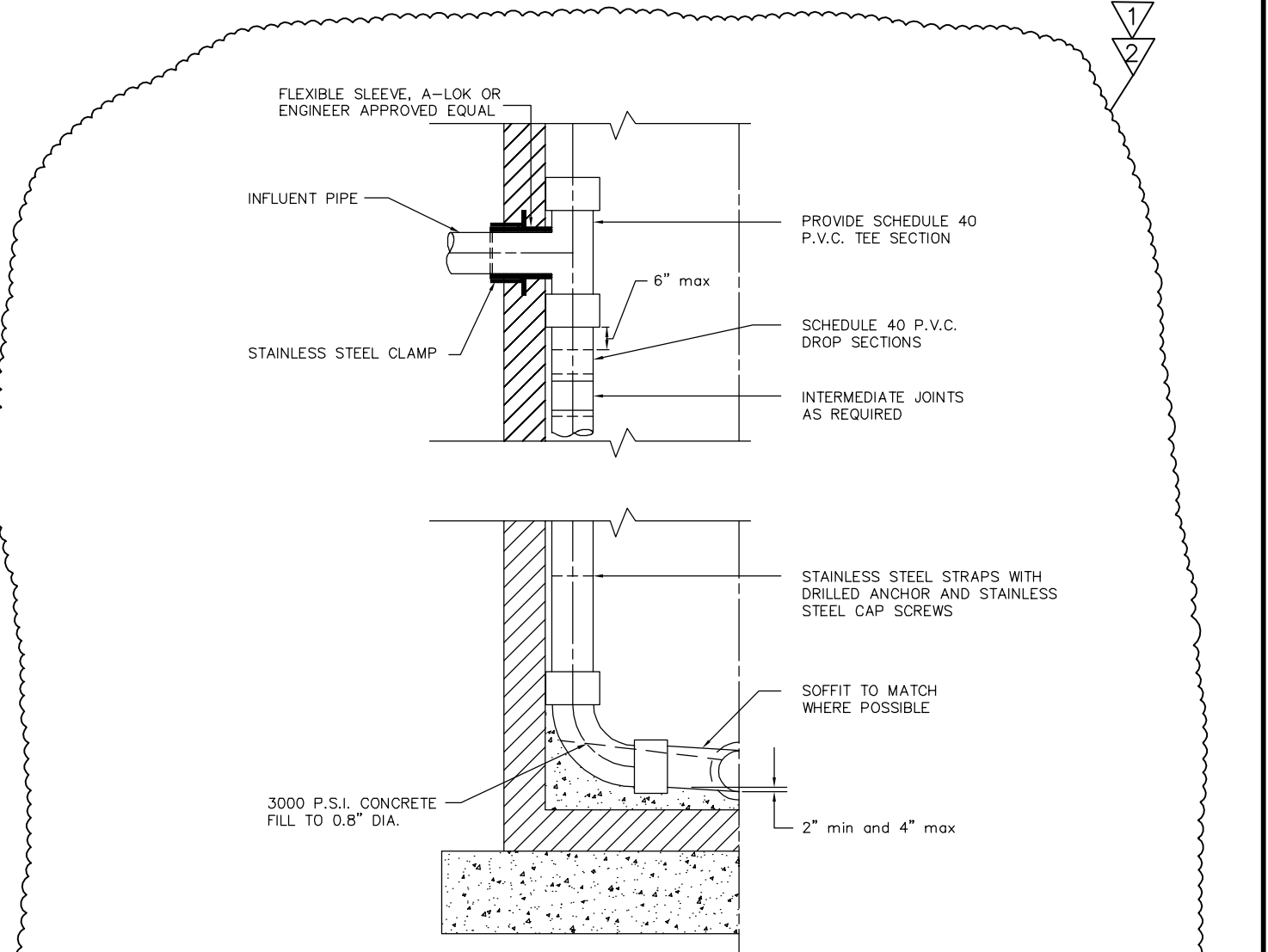
**TYPICAL SANITARY DROP CONNECTION**  
NO SCALE



**ROOF DRAIN / ROOF DRAIN COLLECTOR TRENCH DETAIL**  
NOT TO SCALE



**ROOF DRAIN CLEANOUT DETAIL**  
NOT TO SCALE



**TYPICAL SANITARY DROP CONNECTION**  
NO SCALE

- NOTES:**
- NOMINAL DIAMETER OF P.V.C. DROP SECTION TO BE EQUAL TO OUTLET OF MAIN DROP SECTION IS PROHIBITED.
  - FIRST STAINLESS STEEL STRAP TO BE PLACED WITHIN A MAXIMUM DISTANCE OF 8-INCHES BELOW THE UPPER P.V.C. INLET. SECOND STAINLESS STEEL STRAP TO BE PLACED WITHIN A MAXIMUM DISTANCE OF 4-FEET ABOVE THE FIRST INTERMEDIATE JOINT. THE UPPER P.V.C. DROP PIPE SECTION TO BE INSTALLED IN SUCH A MANNER AS TO ALLOW FOR FUTURE REMOVAL WITHOUT HAVING TO REMOVE THE REMAINING SECTIONS. REINFORCED STAINLESS STEEL STRAP TO BE PLACED WITHIN A MAXIMUM DISTANCE OF 2'-0" OF CENTER AND WITHIN 6-INCHES BELOW ANY RECESSED INTERMEDIATE JOINT.
  - ALL JOINTS ON THE DROP SECTION TO BE OF THE RUBBER GASKET OR PRETIGHT TYPE (COLLECT JOINTS PROHIBITED) TO FACILITATE EASE OF REMOVAL AND/OR REPLACEMENT.
  - DROP MANHOLE SHALL BE INSTALLED AT ANY MANHOLE LOCATION WHERE THE DIFFERENCE IN INVERT ELEVATION BETWEEN ANY INLET AND THE OUTLET IS GREATER THAN 2'-0".

NJCA Electronic Release Stamp

DATE: 2/20/20

JOHN J. VEIZ, AIA, CSBA  
NJ: 2100000174 - PA-010118  
WILLIAM D. HOPKINS III, AIA, LEED AP  
NJ: 2100700011 - PA-020204  
GEORGE R. DUTHE, JR., AIA, PP  
NJ: 210070001  
ARCHITECT

Corporate: 1515 Lower Ferry Road  
Trenton - New Jersey 08628  
Perryman: 140 Whitaker Avenue  
Mount Clear - Pennsylvania 19433  
F V H D P C . C O M

Project Name  
**Phase 1 Site Work at West Windsor-Plainsboro High School South**

Project Owner Name  
**West Windsor - Plainsboro Regional School District**

Project Location  
**346 Clarksville Rd., West Windsor, New Jersey 08550**

Project Number  
**5063LS / 1808WW**

Project Date  
**02.20.2020**

Checked by  
**GRD**

Drawn by  
**R.R.F.**

Scale  
**N.T.S.**

Drawing Name  
**CONSTRUCTION DETAILS**

Revisions

| No. | Date     | Description    |
|-----|----------|----------------|
| 1   | 02.24.20 | ISSUED FOR BID |
| 2   | 03.12.20 | ADDENDUM 2     |
| 3   | 04.13.20 | CHANGE ORDER 1 |

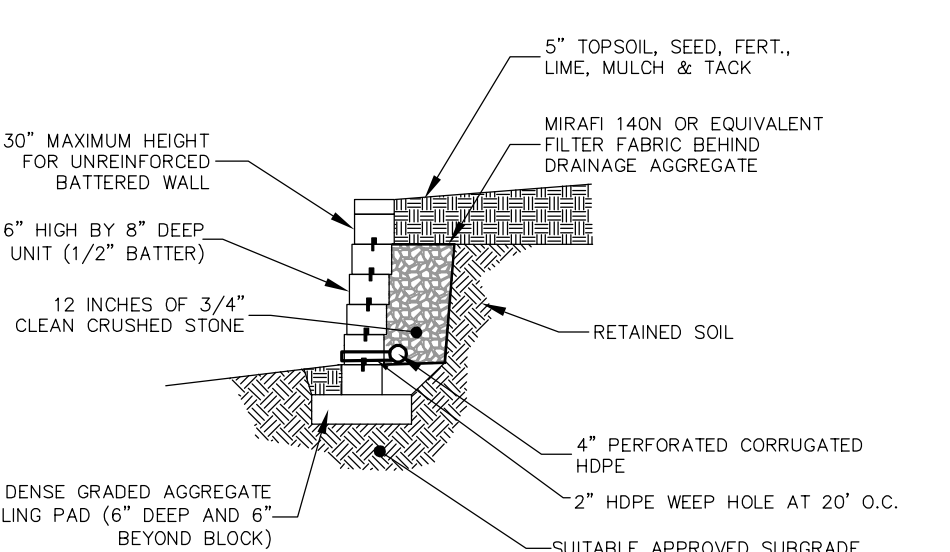
By: **HERBERT J. SEEBURGER, JR.** DATE: 2/20/20  
NJ PROFESSIONAL ENGINEER NO. 24524748700

**C114**

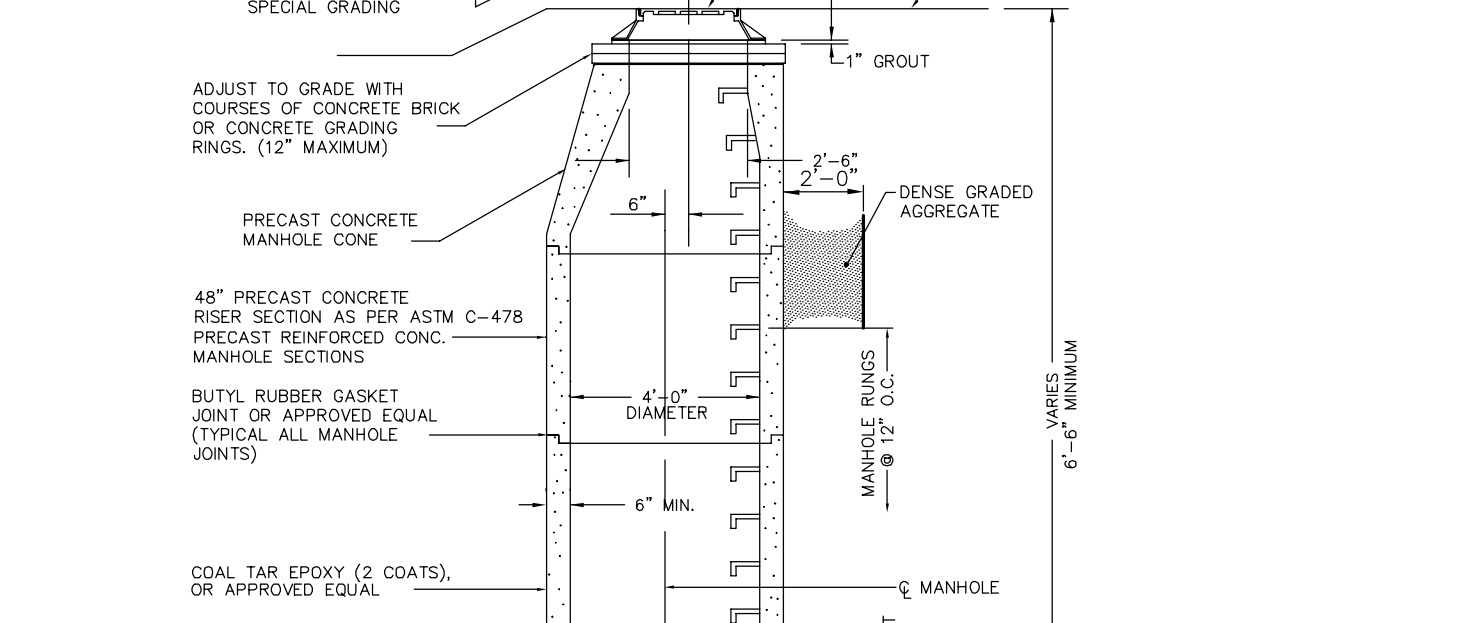
**6ft Dig Safely**

LLAMÉ ANTES DE EXCAVAR  
1-800-272-1000  
Dig Safely

**UTILITY CAPPING DETAIL**  
N.T.S.



**TYPICAL BLOCK RETAINING WALL**  
N.T.S.



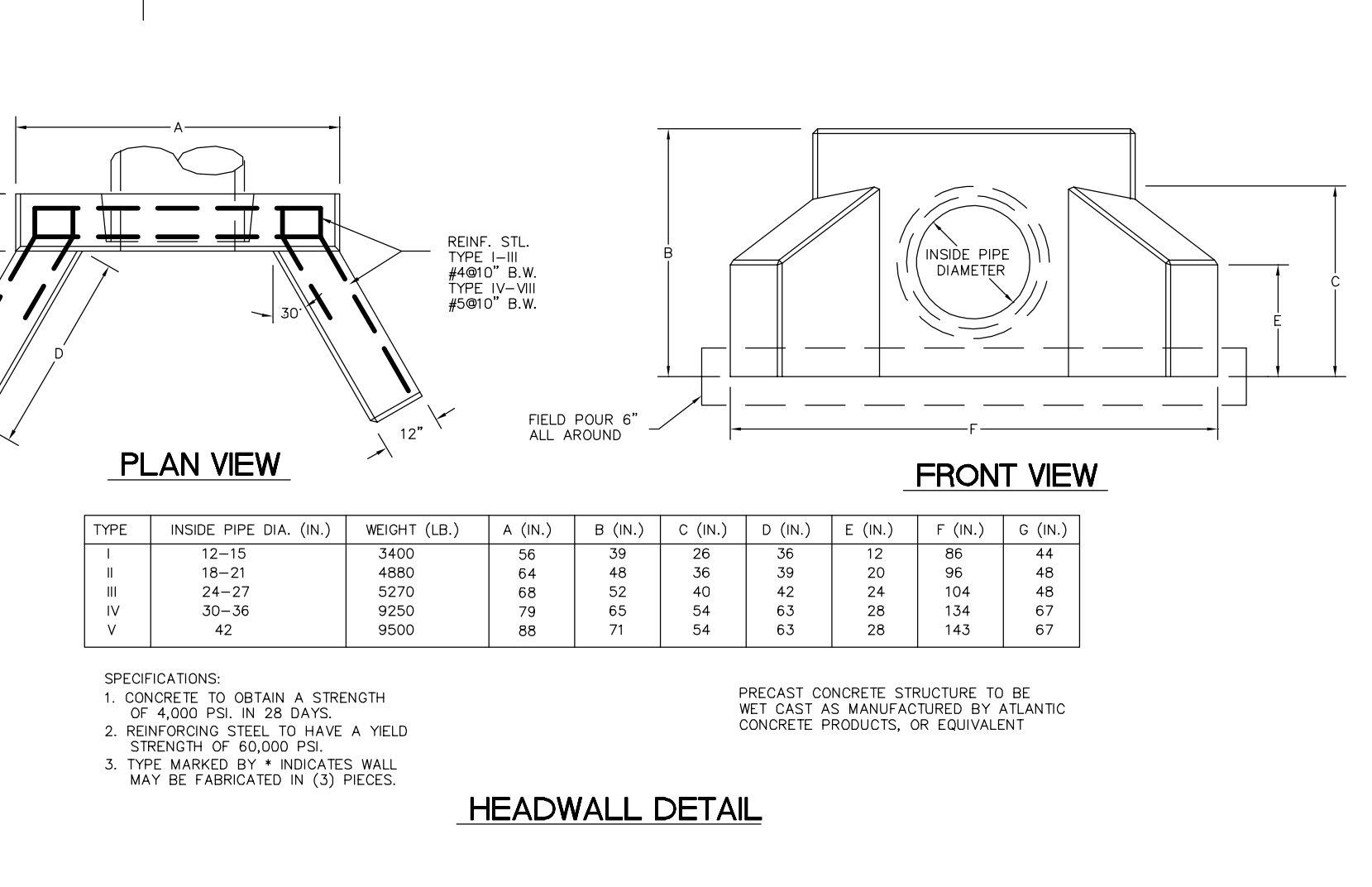
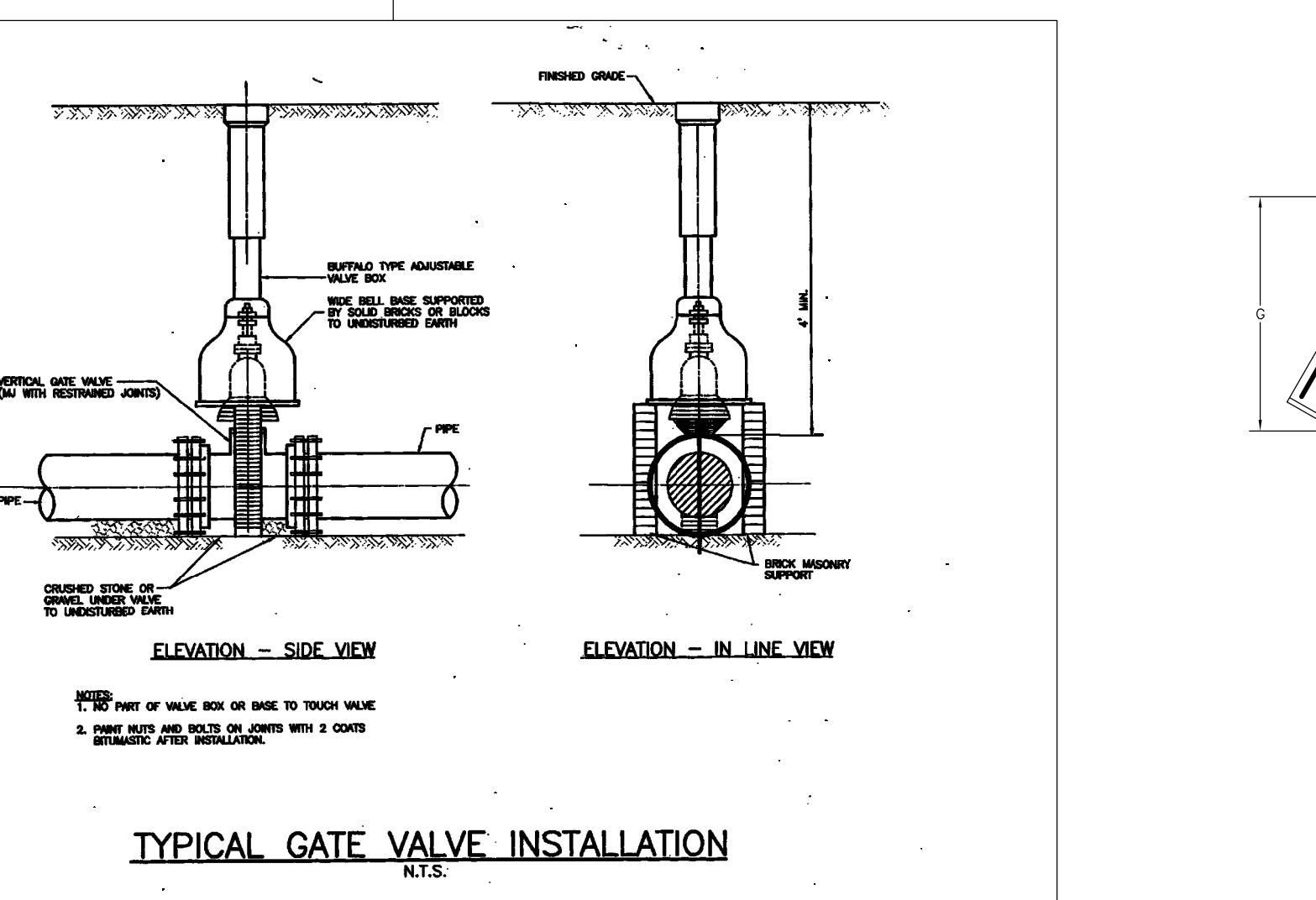
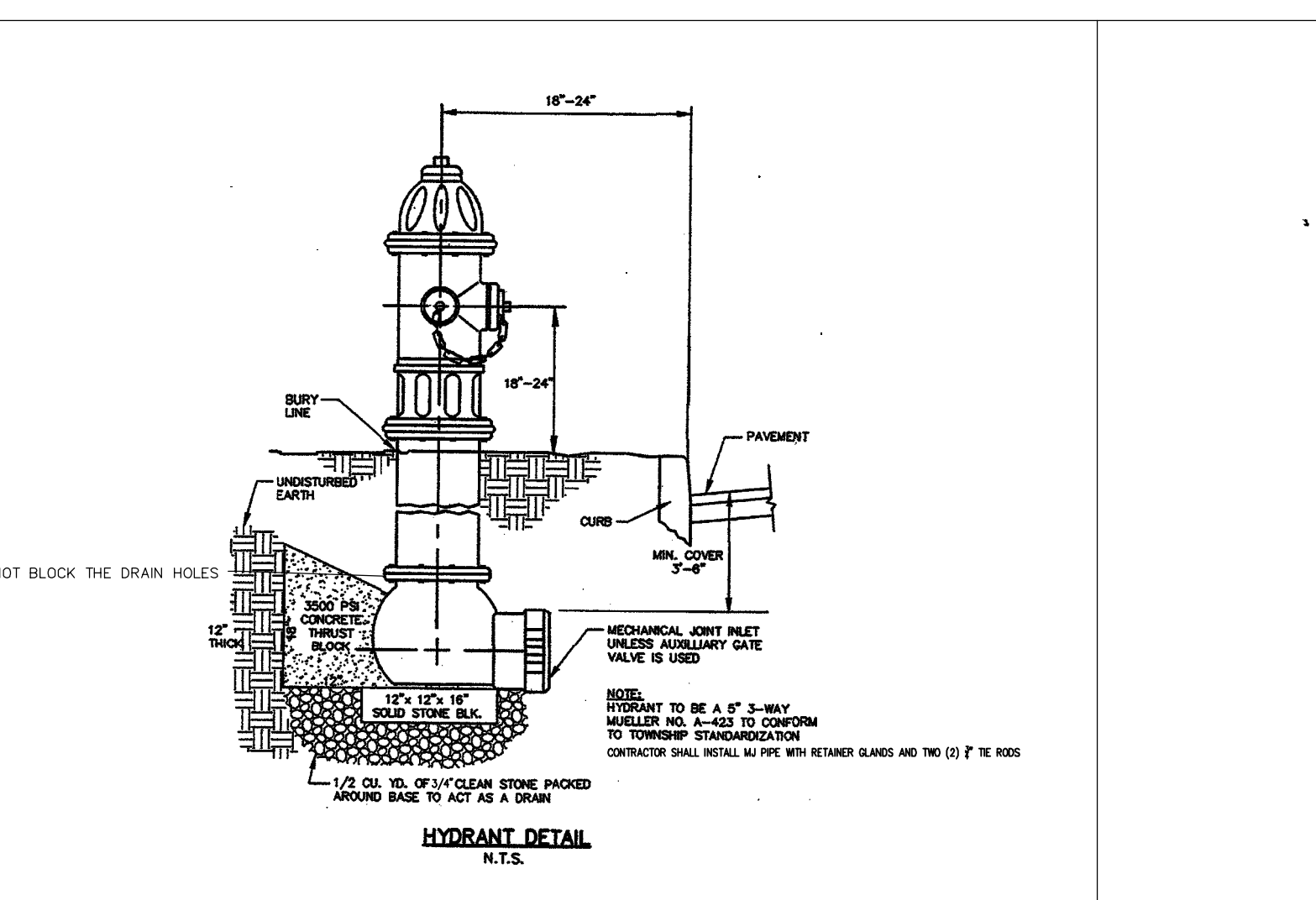
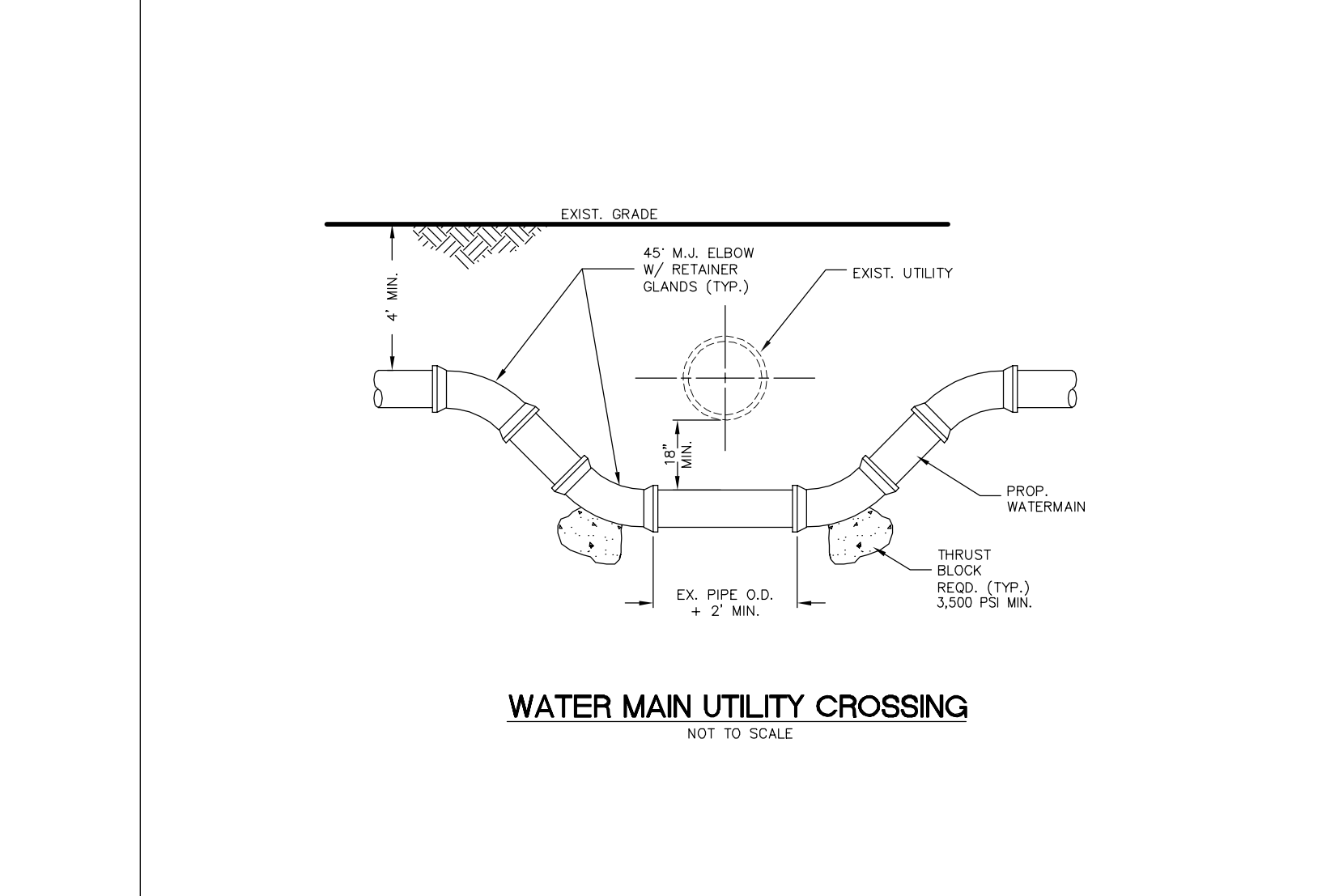
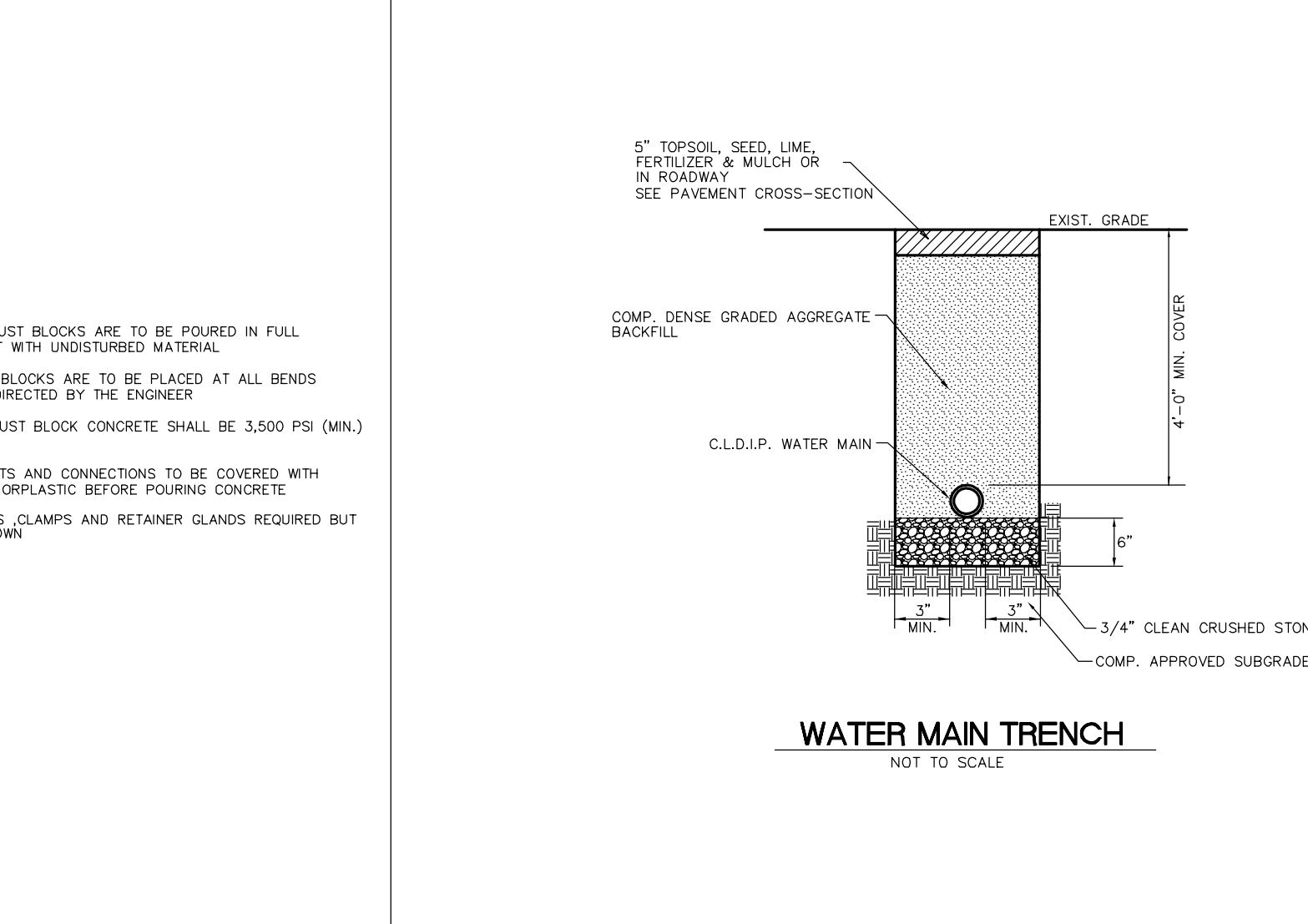
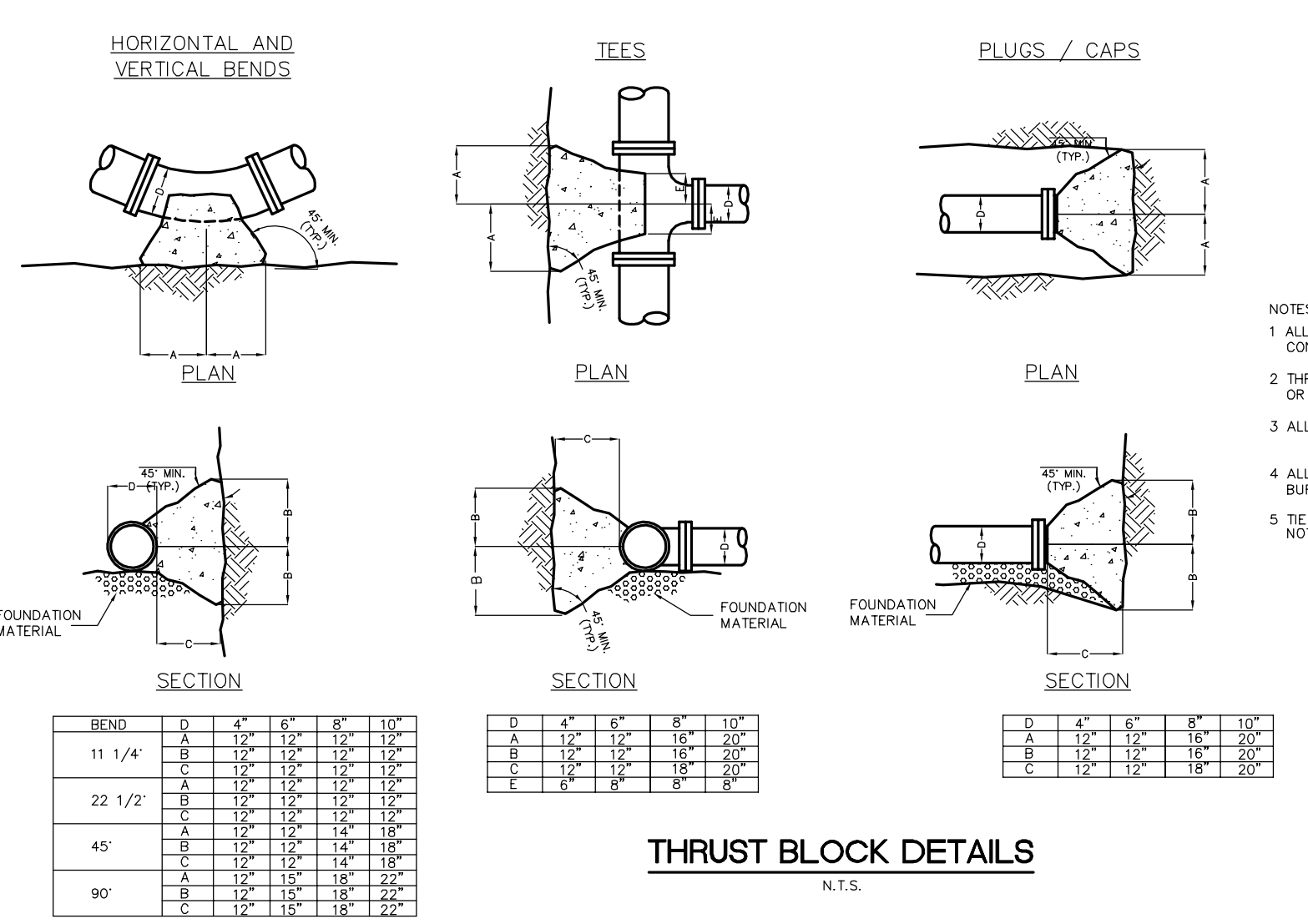
**STANDARD PRECAST STORM SEWER MAN-HOLE**  
N.T.S.

**2019 N.J.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS AMENDED OR SUPPLEMENTED SHALL GOVERN THE CONSTRUCTION OF THIS PROJECT**

**Van Cleef Engineering Associates**

Consulting Civil Engineering  
Bridge Design  
Highway Design  
Construction Inspection  
Water/Wastewater  
Geotechnical Engineering  
Water/Wastewater  
Municipal Engineering  
Land Surveying  
Professional Planning  
Landscaping/Architectural

NJ LIC. CERT. NO. 24524748700



**CONTECH CONSTRUCTION PRODUCTS INC.**

**BD-V-5A**

**CONNECTION DETAIL SINGLE BOLT, BAR & STRAP**

**CONNECTION DETAIL DOUBLE BOLT, BAR & STRAP**

**GENERAL NOTES**

- Refer to CONTECH Band Selection Guide for band width, pipe, and fastener types.
- Bands for pipe-arch are the same as for equivalent diameter round pipe.
- Bands are normally furnished as follows:  
 12" thru 48" 1 = piece  
 54" thru 96" 2 = piece  
 102" thru 144" 3 = piece
- Band Fasteners are attached with spot welds, rivets or hand welds. All aluminum bands, both single and double BBs, are furnished with a 14 gauge aluminum back-up plate welded to the band and the strap.
- Re-rolled annular and corrugations are normally 2'-2 3/4" x 1/2".
- Dimensions are subject to manufacturing tolerances.

**OR APPROVED EQUIVALENT**

**H-12 HUGGER BAND WITH BOLT, BAR & STRAP**

**HE-COR**

**CONTECH CONSTRUCTION PRODUCTS INC.**

© Copyright

Drawn By: F.B. Rev. By: S.E.N. Scale: N/A  
 Date: 9-27-99 Date: 7-6-95

NJDCA Electronic Release Stamp

JOHN J. VEIZ, AIA, CSBA  
 NJ-210080000 / P.A. - 6401818

WILLIAM D. HOPKINS III, AIA, LEED AP  
 NJ-210070000 / P.A. - 6402228

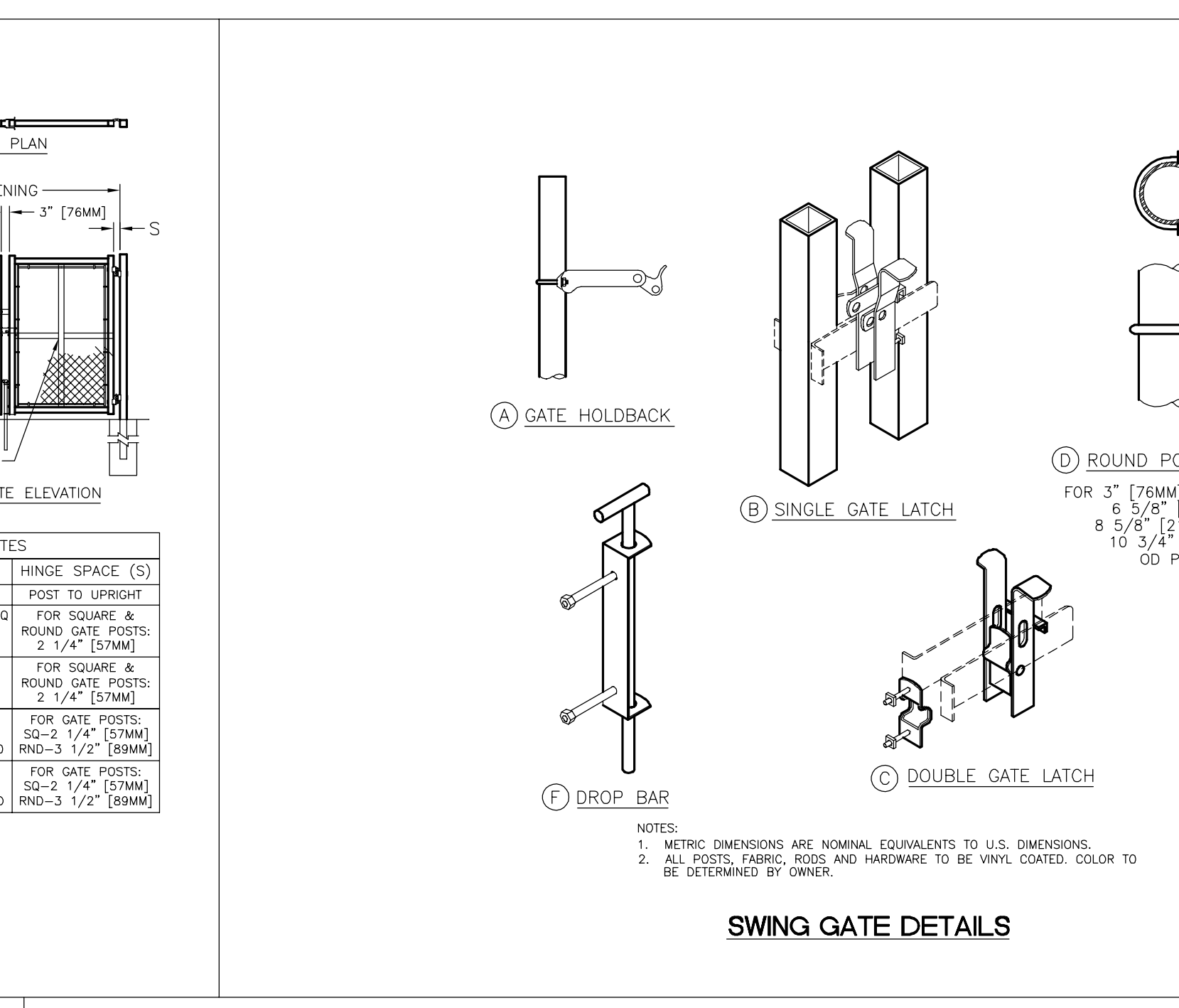
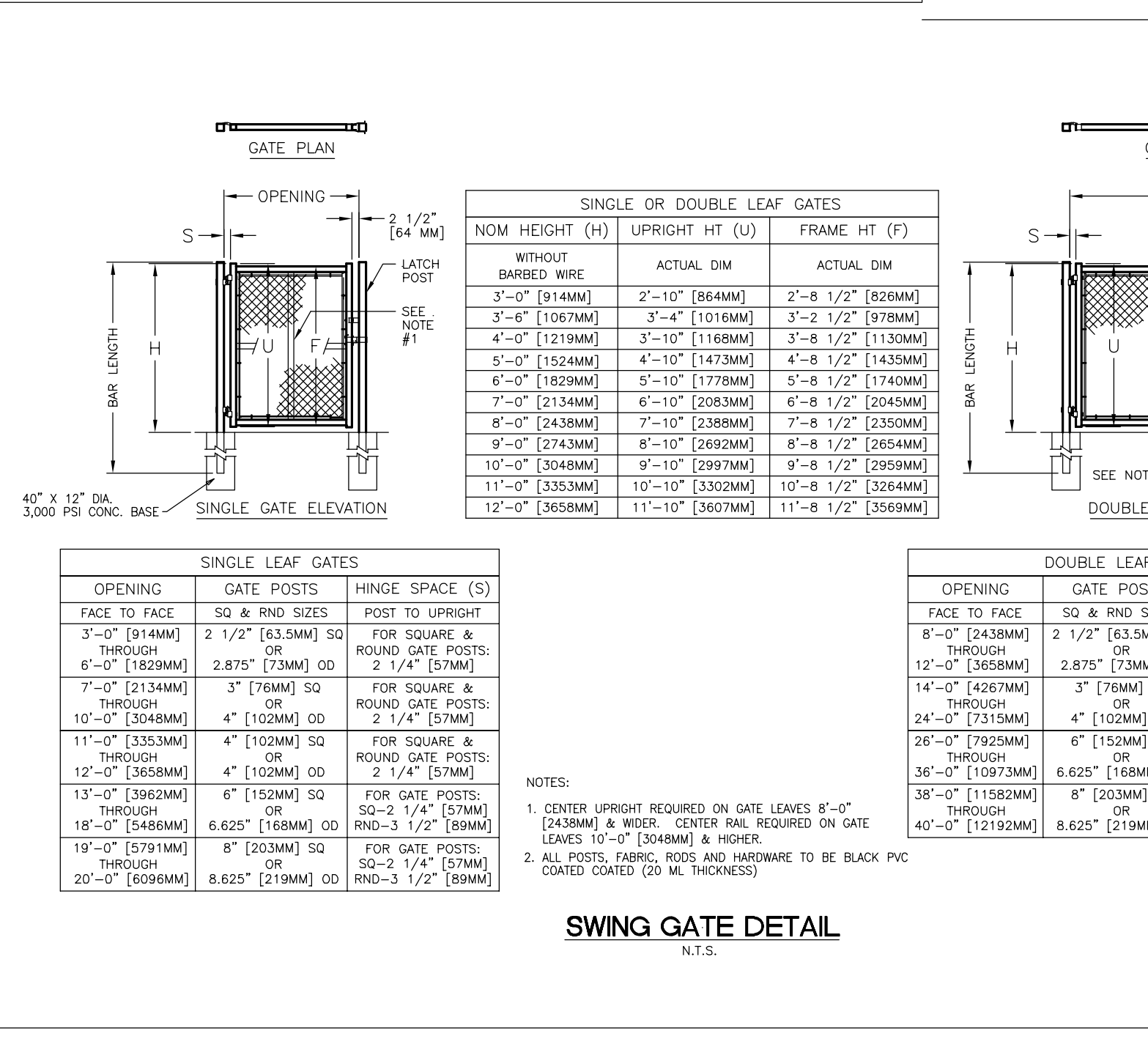
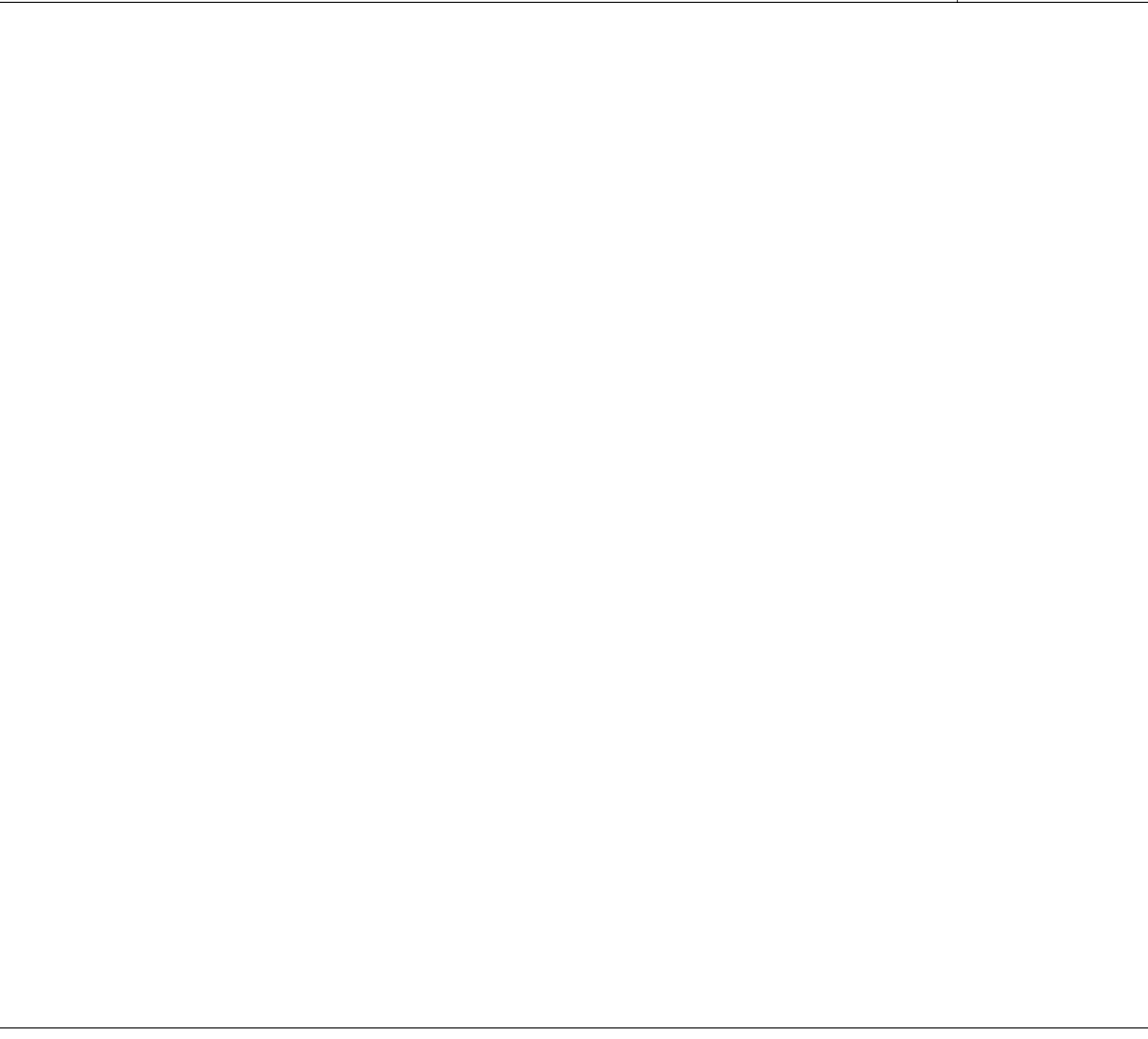
GEORGE R. DUTHE, JR., AIA, PP  
 NJ-210070000

2/20/20  
 Date

1515 Lower Ferry Road  
 Trenton - New Jersey 08628

Pennsylvania: 140 Whitaker Avenue  
 Mount Clear - Pennsylvania 19453

FVHD P.C. C.O.M.



**CONTECH CONSTRUCTION PRODUCTS INC.**

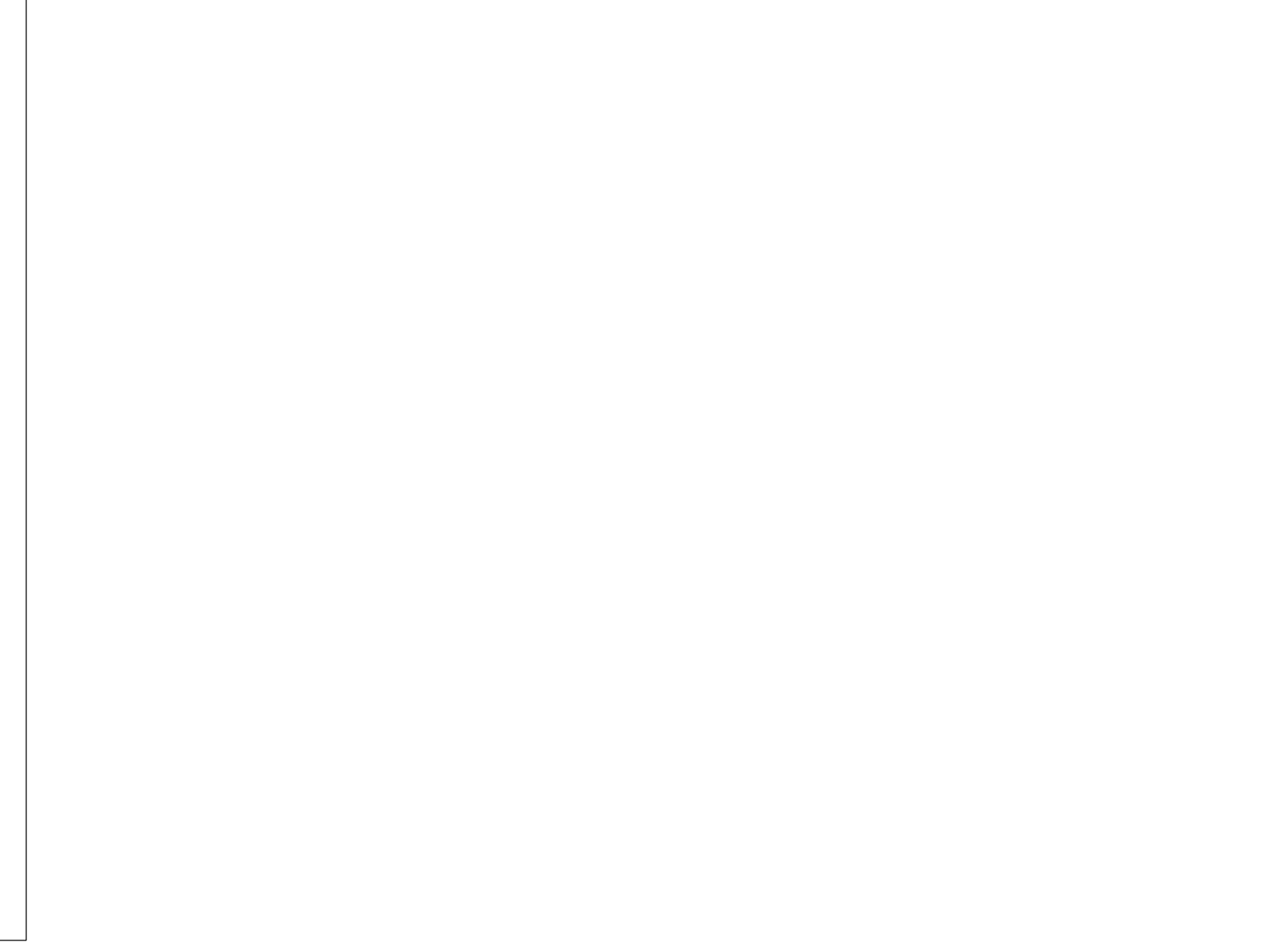
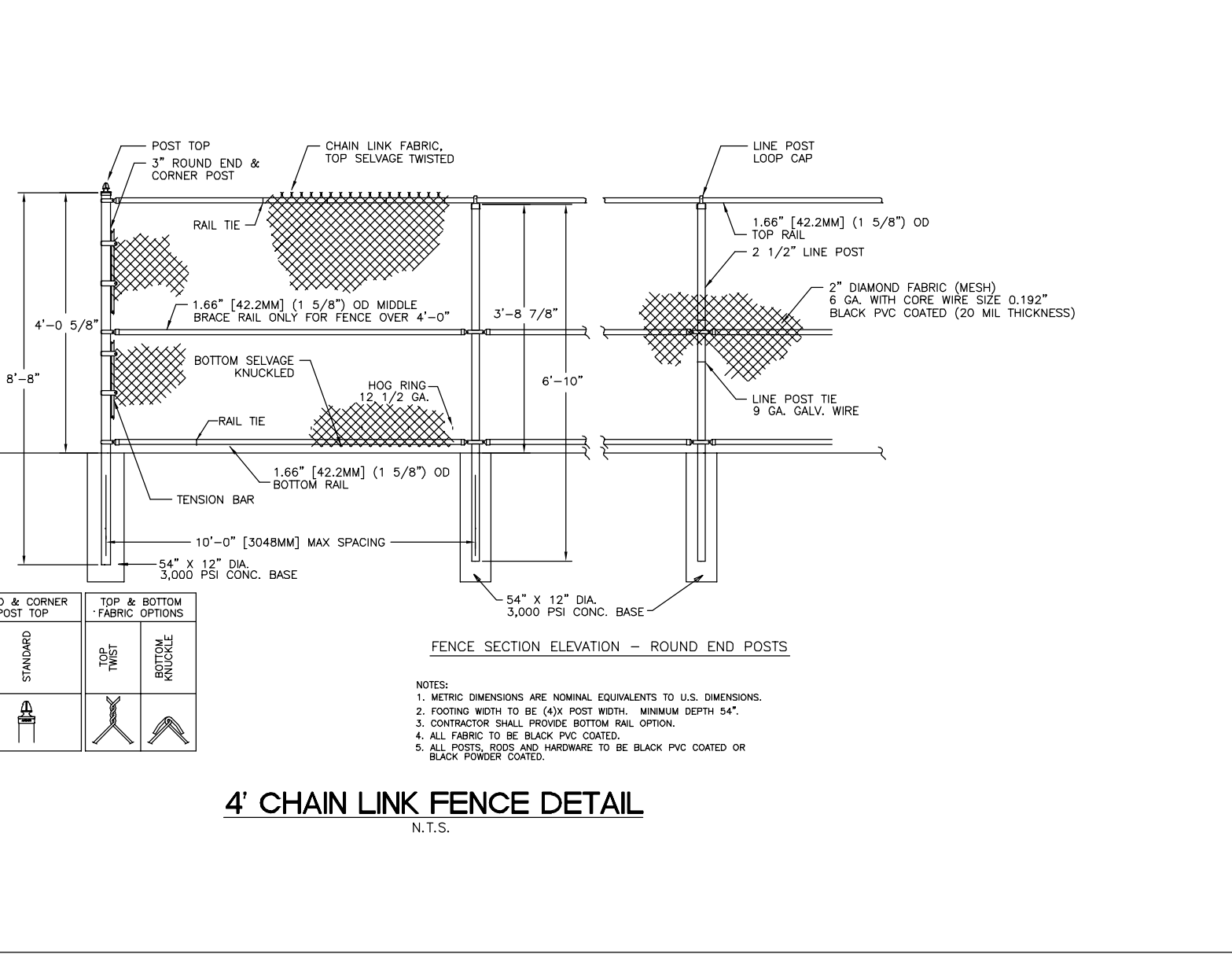
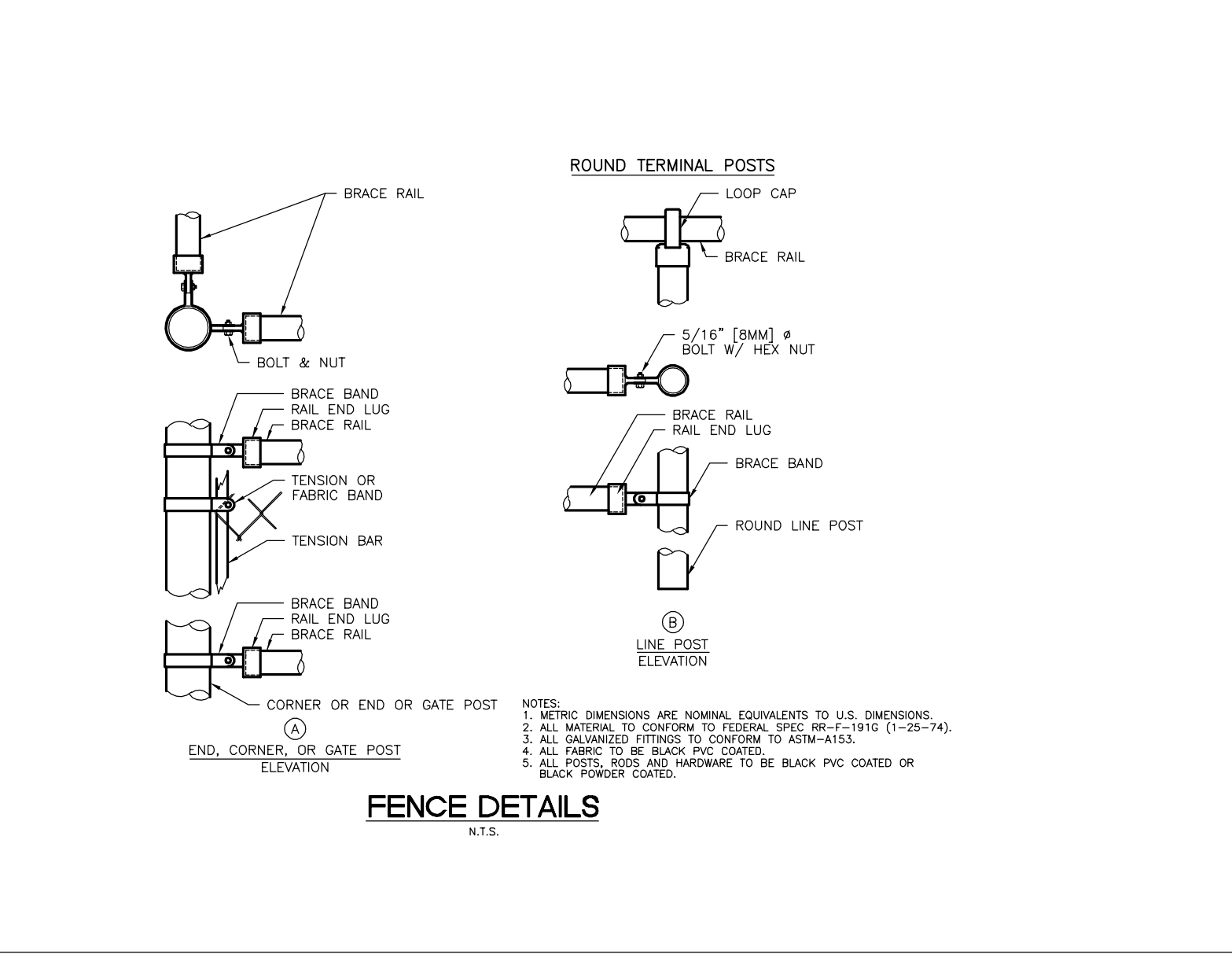
**12" WIDE PROFILE GASKET CORRUGATED METAL PIPE**

**OR APPROVED EQUIVALENT**

**CONTECH CONSTRUCTION PRODUCTS INC.**

© Copyright

Drawn By: D.F.S. Rev. By: S.E.N. Scale: N/A  
 Date: 1-27-95 Date: 7-6-95



2019 N.J.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS AMENDED OR SUPPLEMENTED SHALL GOVERN THE CONSTRUCTION OF THIS PROJECT

**Van Cleef ENGINEERING ASSOCIATES**

CONSULTING CIVIL ENGINEERING  
 BRIDGE DESIGN  
 HIGHWAY DESIGN  
 CONSTRUCTION INSPECTION  
 WATER/WASTEWATER  
 GEOTECHNICAL ENGINEERING  
 WATER/WASTEWATER  
 MUNICIPAL ENGINEERING  
 LAND SURVEYING  
 PROFESSIONAL PLANNING  
 LANDSCAPE ARCHITECTURE

1100 Office In  
 New York, Pennsylvania & Delaware

4 AAA DRIVE, SUITE 102, HAMILTON, NJ 08620  
 EMAIL: CONTACT@VANCLEEF.COM  
 PHONE: (609) 681-1100 FAX: (609) 681-1120

NJ LIC. CERT. NO. 24528123200

BY: *Herbert J. Seeburger, Jr.* DATE: 2/20/20  
 HERBERT J. SEEBURGER, JR. N.J. PROFESSIONAL ENGINEER NO. 245281478700

Revisions  
 No. | Date | Description  
 1 | 02.24.20 | ISSUED FOR BID

Drawing Number  
**C115**

Project Name  
**Additions and Renovations to West Windsor - Plainsboro High School South**

Project Owner Name  
**West Windsor - Plainsboro Regional School District**

Project Location  
**346 Clarksville Rd., West Windsor, New Jersey 08550**

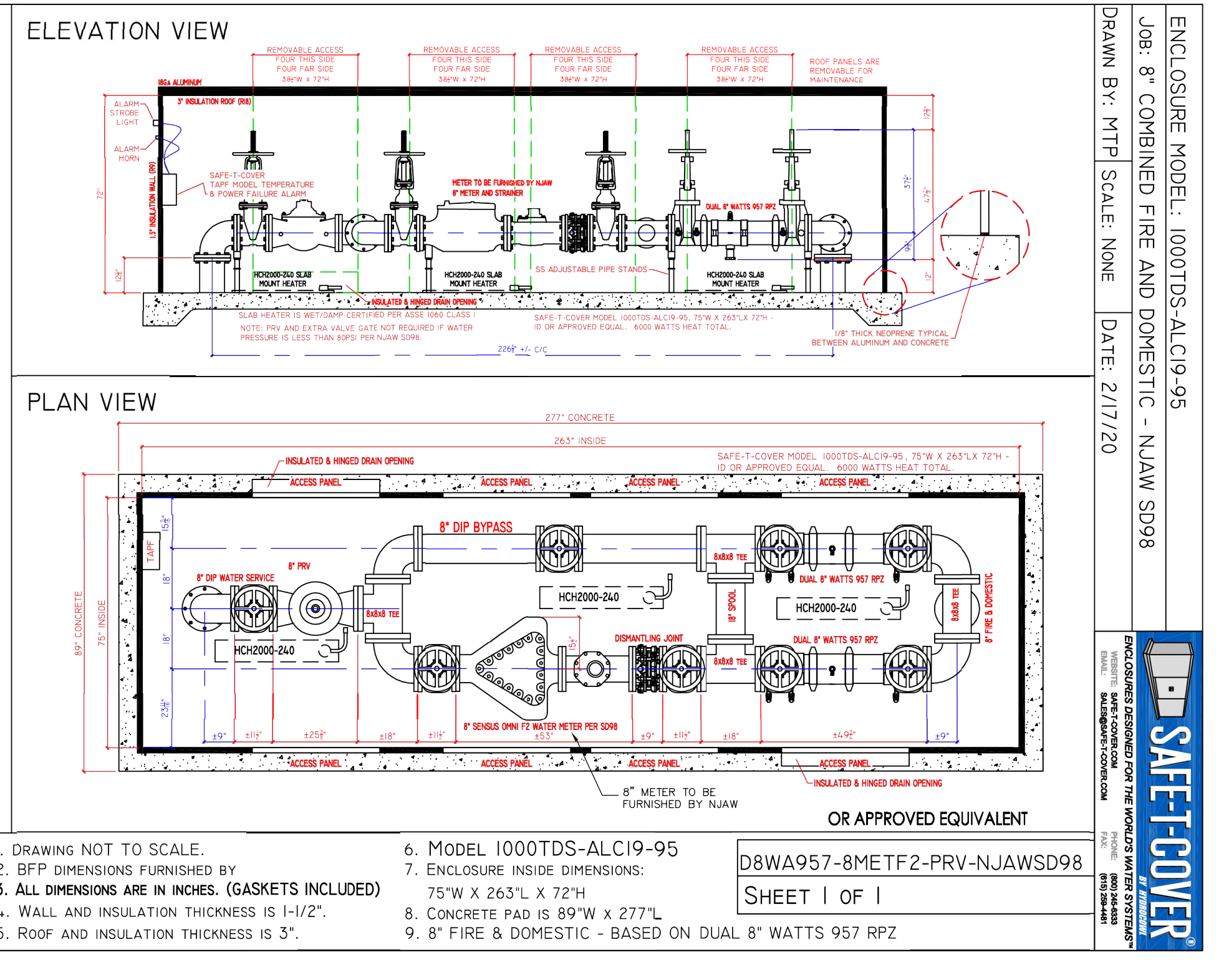
Project Number  
**5063L / 1808WW**

Project Date  
**02.20.2020**

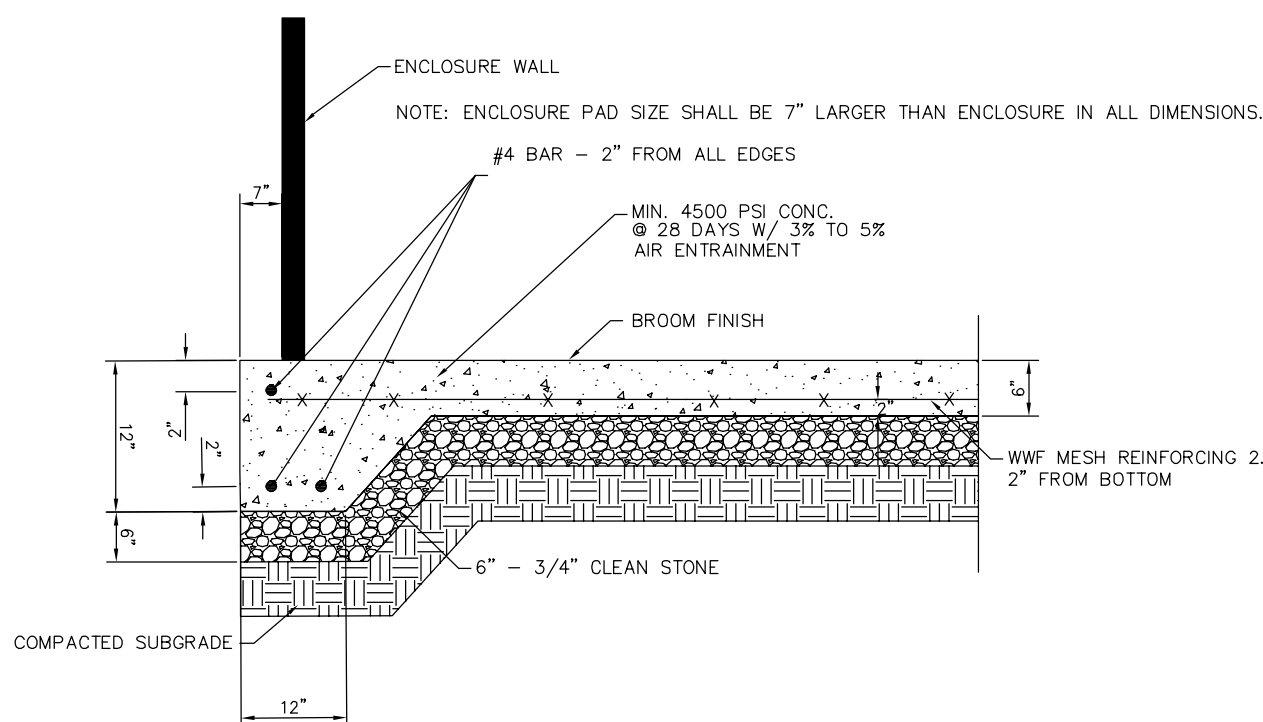
Checked By  
**GRD**

Drawn By  
**R.R.F.**

Scale  
**N.T.S.**



ALL WATER SYSTEM COMPONENTS SHALL MEET NJAW STANDARDS



ABOVE GROUND HEATED ENCLOSURE SLAB REINFORCEMENT DETAIL  
NOT TO SCALE



**Specifications**

- Heating element - steel sheathed, casted in type 304 aluminum; rated 2000W @ 120/240Vac
- High temperature wire - type MJT or equivalent; 10 AWG; rated 600V, 450°C
- Ring terminal - rated 600V, 900°F
- Junction well - group B, C, D, E, F, Class I, Division II; nubber seal provided with cover
- Conduit, conduit fittings, thermostat - liquid-tight

**Standards**

- Conforms to UL-2021 section 49 Rain Test
- Certified to CAN/CSA C22.2 No. 46
- ETL Listed 189666

**Advantages**

- Economical
- Efficient
- Durable
- Effective

**Dimensions and Weights**

| Model No.    | Voltage | Wattage | BTUH | Phase  | Amps  | Length (in) |
|--------------|---------|---------|------|--------|-------|-------------|
| HCHS500-120  | 120     | 500     | 1707 | Single | 4.16  | 23          |
| HCHS1000-120 | 120     | 1000    | 3413 | Single | 8.33  | 23          |
| HCHS1000-240 | 240     | 1000    | 3413 | Single | 4.16  | 23          |
| HCH2000-120  | 120     | 2000    | 6824 | Single | 16.66 | 37          |
| HCH2000-240  | 240     | 2000    | 6824 | Single | 8.33  | 37          |

**Specifications**

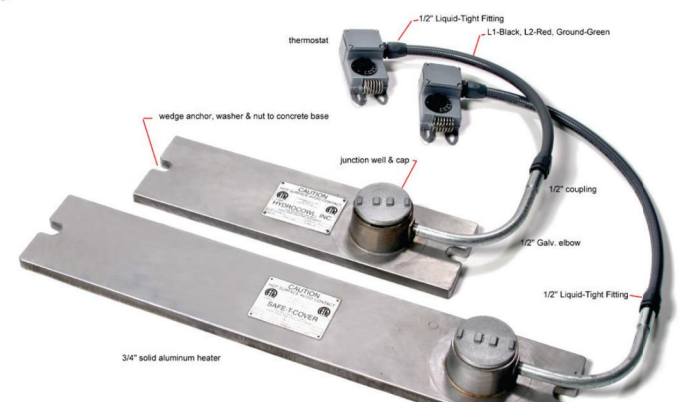
A slab mount heating system shall be installed to provide freeze protection for plumbing & water works equipment installed within an enclosure. The heating system shall maintain a temperature of +40°F at an outside temperature of -30°F. The heating system shall be installed on the concrete pad and designed to operate without damage or impeding performance during water spray conditions. A hermetic cap of a temperature control range of +40°F to +100°F with fittings suitable for watertight installations shall be provided. The slab mount heating system shall be a Safe-T-Cover Series HCH or HCHS. The heater has been independently certified to meet section 49 of UL-2021 for damp or wet conditions.

Nashville, TN • Phone 1-800-243-6133  
Fax (615) 259-4481 • Website www.safe-t-cover.com

**Specification Submittal Sheet**  
**Series HCH/HCHS**  
Insulated Enclosure Slab Mount Heating System  
U.S. Patent 5,609,784

**Description**

The Safe-T-Cover slab mount heating system provides freeze protection to the plumbing & water works equipment installed within an enclosure. This patented heating system virtually eliminates heat stratification within the enclosure, which reduces energy consumption. By mounting the heater on the slab, freeze protection is provided to the underground vertical riser pipes. The system is designed to withstand water spray conditions inside the enclosure. The heater has been independently certified to meet section 49 of UL-2021 for damp or wet conditions.

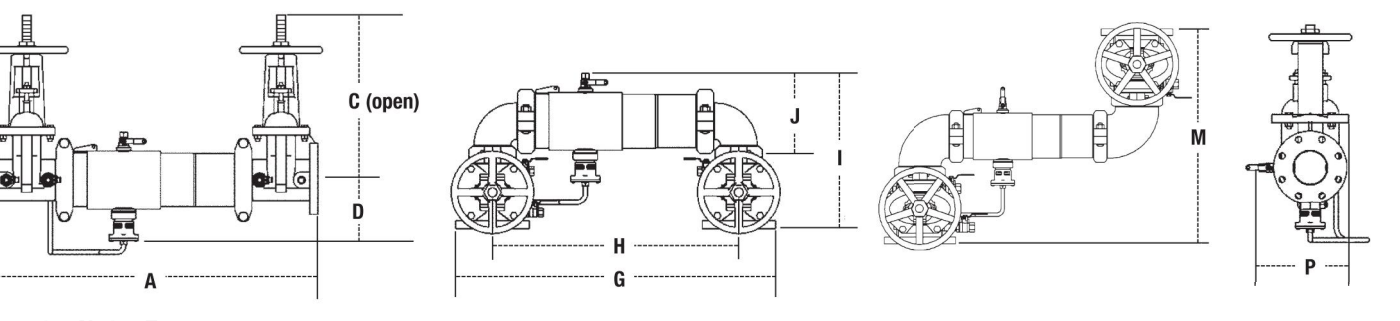
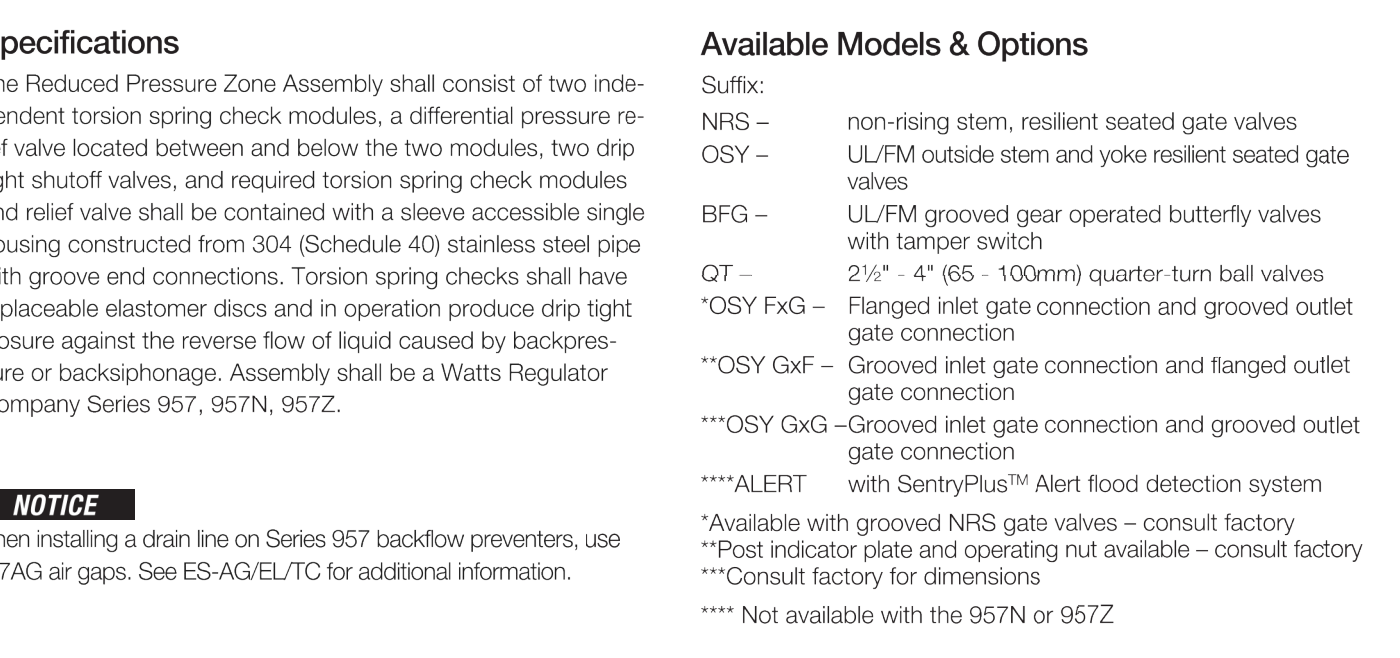


**Notice**

Products governed by authorities for local installation requirements.

**Notice**

The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.



| Model No.    | Voltage | Wattage | BTUH | Phase  | Amps  | Length (in) |
|--------------|---------|---------|------|--------|-------|-------------|
| HCHS500-120  | 120     | 500     | 1707 | Single | 4.16  | 23          |
| HCHS1000-120 | 120     | 1000    | 3413 | Single | 8.33  | 23          |
| HCHS1000-240 | 240     | 1000    | 3413 | Single | 4.16  | 23          |
| HCH2000-120  | 120     | 2000    | 6824 | Single | 16.66 | 37          |
| HCH2000-240  | 240     | 2000    | 6824 | Single | 8.33  | 37          |

| Model No.    | Voltage | Wattage | BTUH | Phase  | Amps  | Length (in) |
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| HCHS500-120  | 120     | 500     | 1707 | Single | 4.16  | 23          |
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| HCH2000-120  | 120     | 2000    | 6824 | Single | 16.66 | 37          |
| HCH2000-240  | 240     | 2000    | 6824 | Single | 8.33  | 37          |

**Dimensions - Weight**

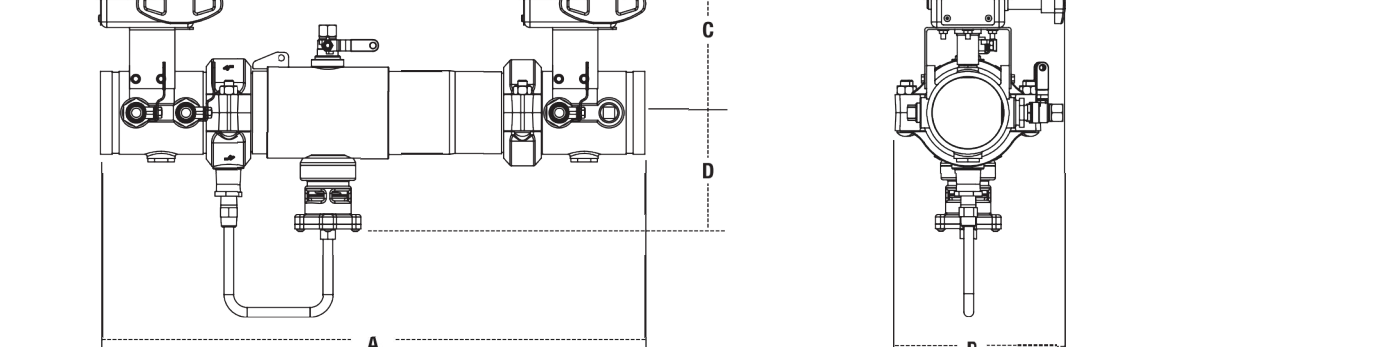
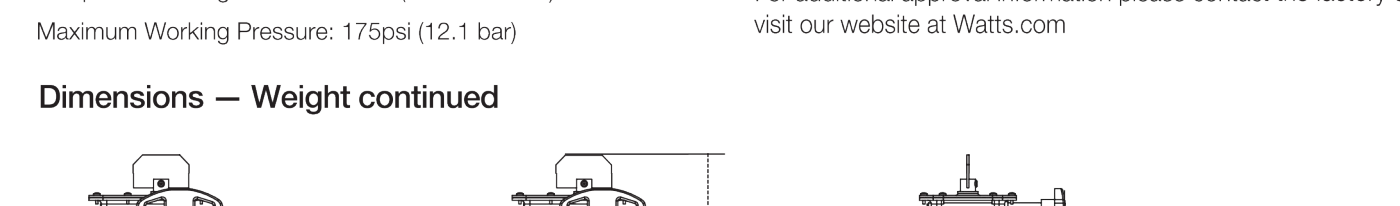
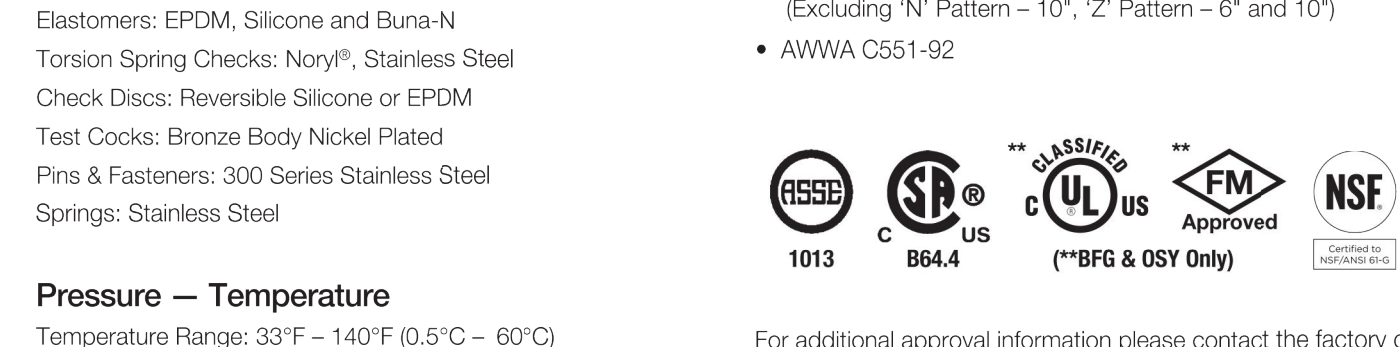
**Materials**

Housing & Sleeve: 304 (Schedule 40) Stainless Steel  
Elastomers: EPDM, Silicone and Buna-N  
Torsion Spring Checks: Nylon, Stainless Steel  
Check Discs: Reversible Silicone or EPDM  
Test Cores: Bronze Body Nickel Plated  
Pins & Fasteners: 300 Series Stainless Steel  
Springs: Stainless Steel

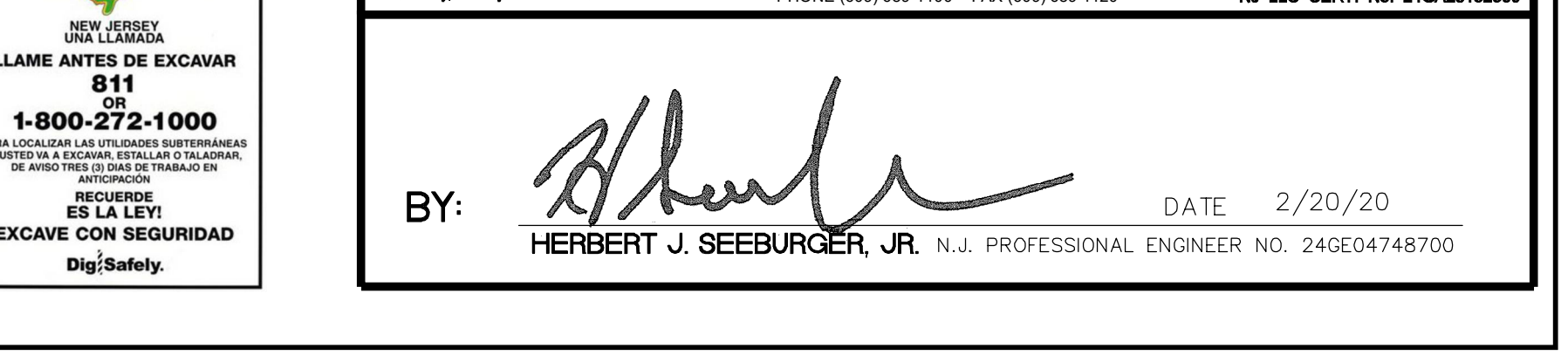
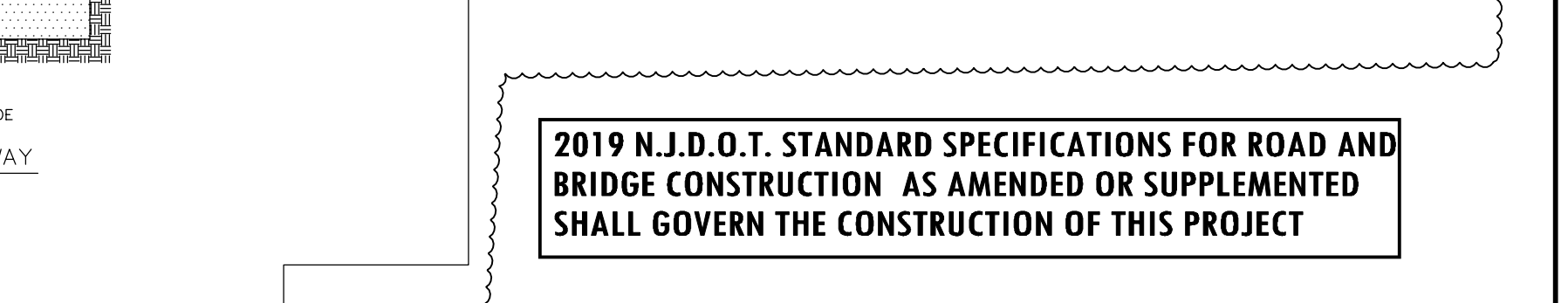
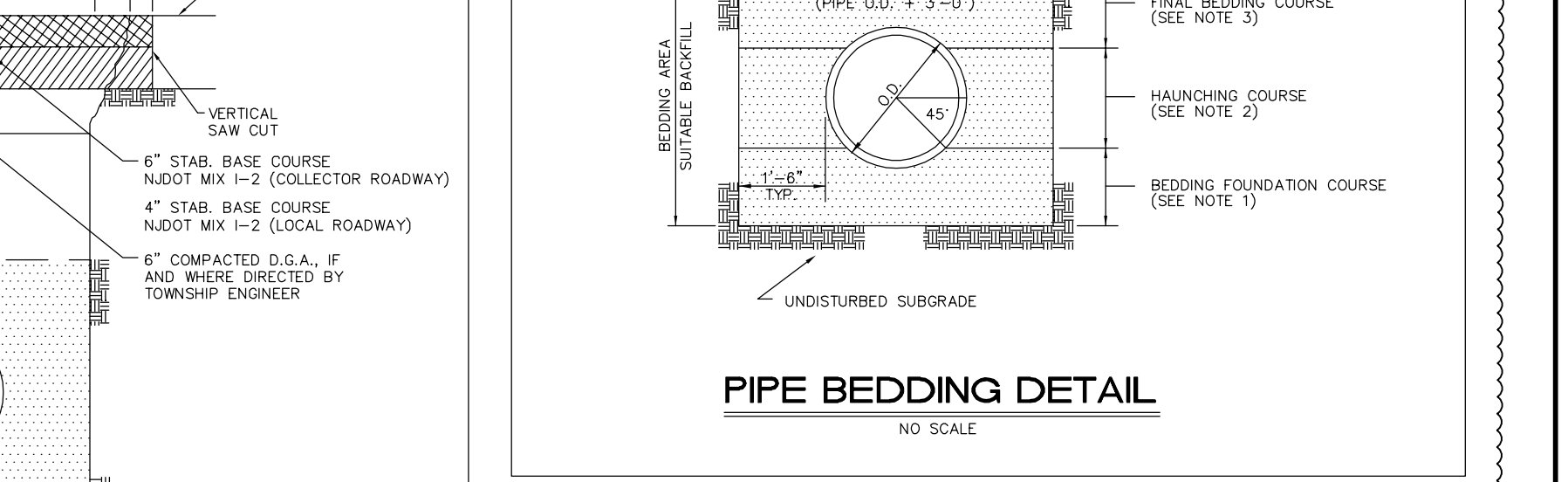
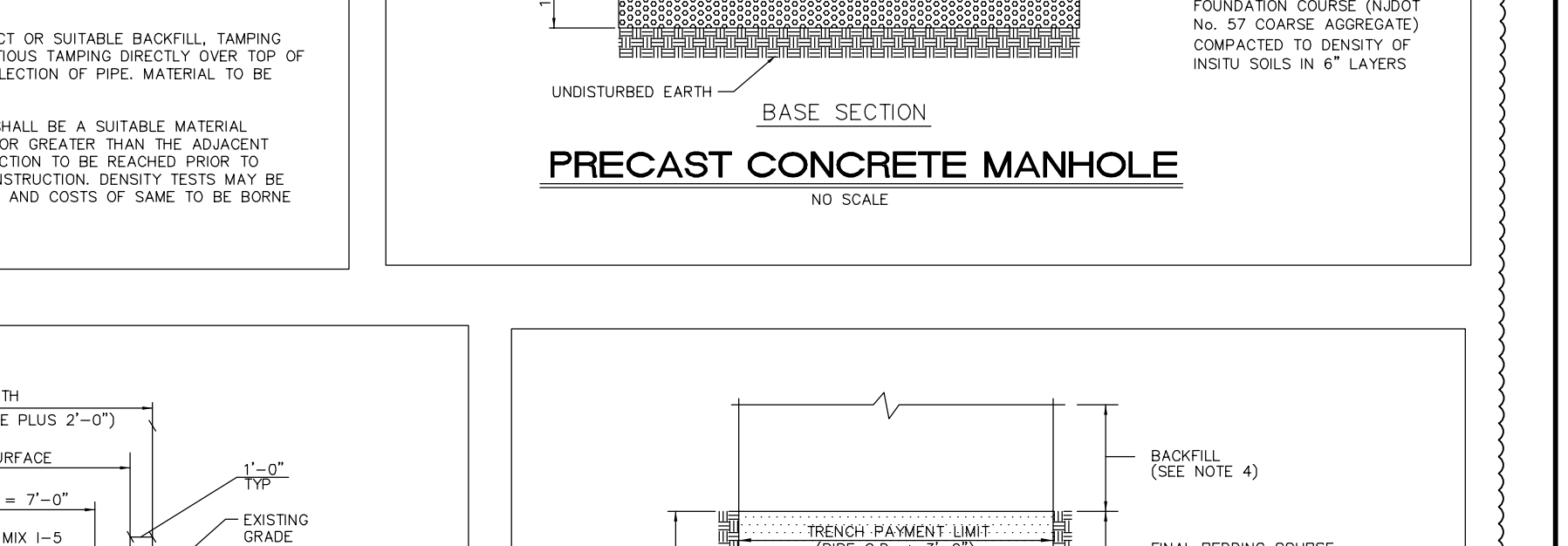
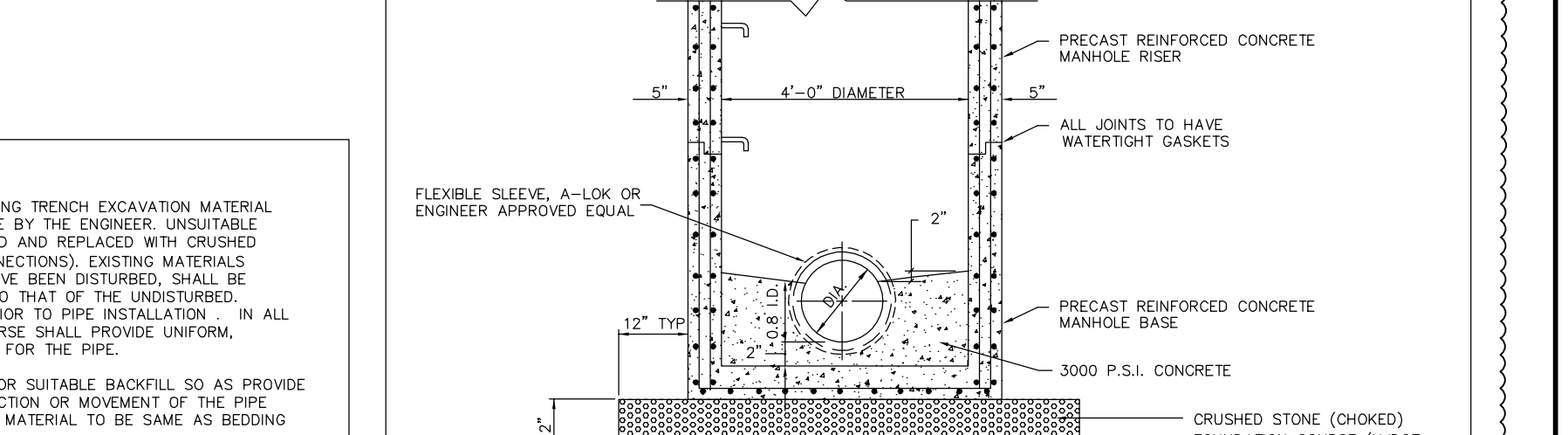
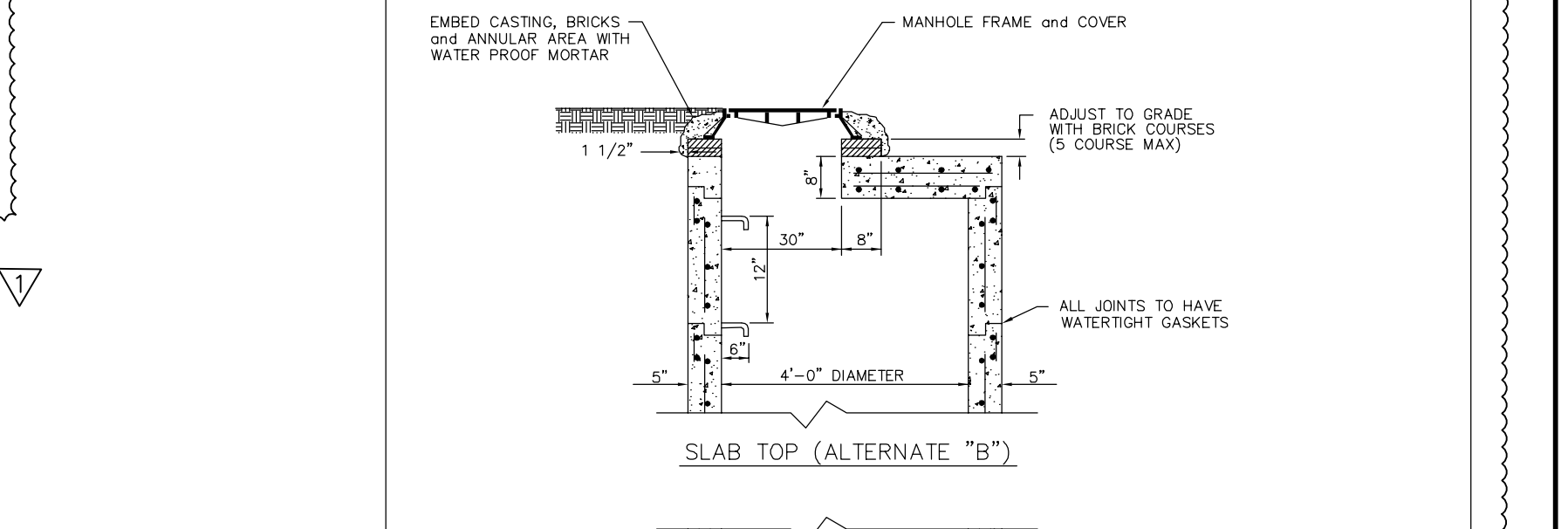
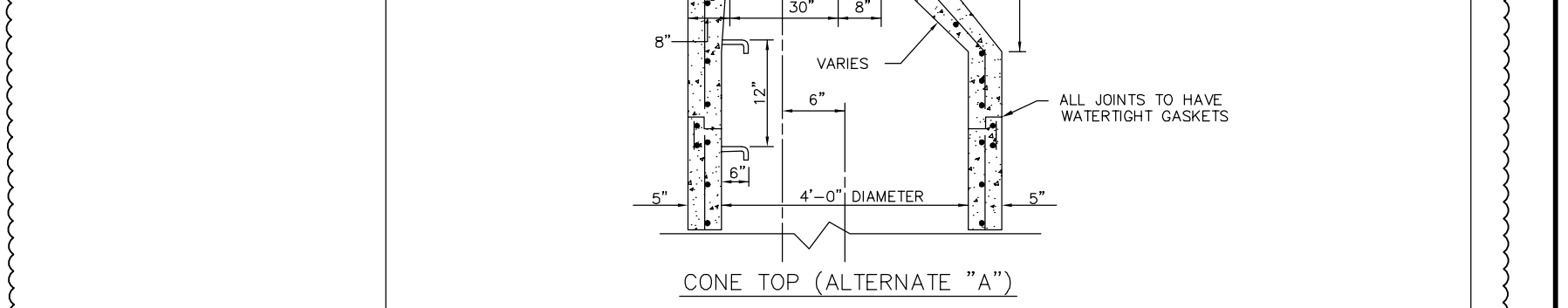
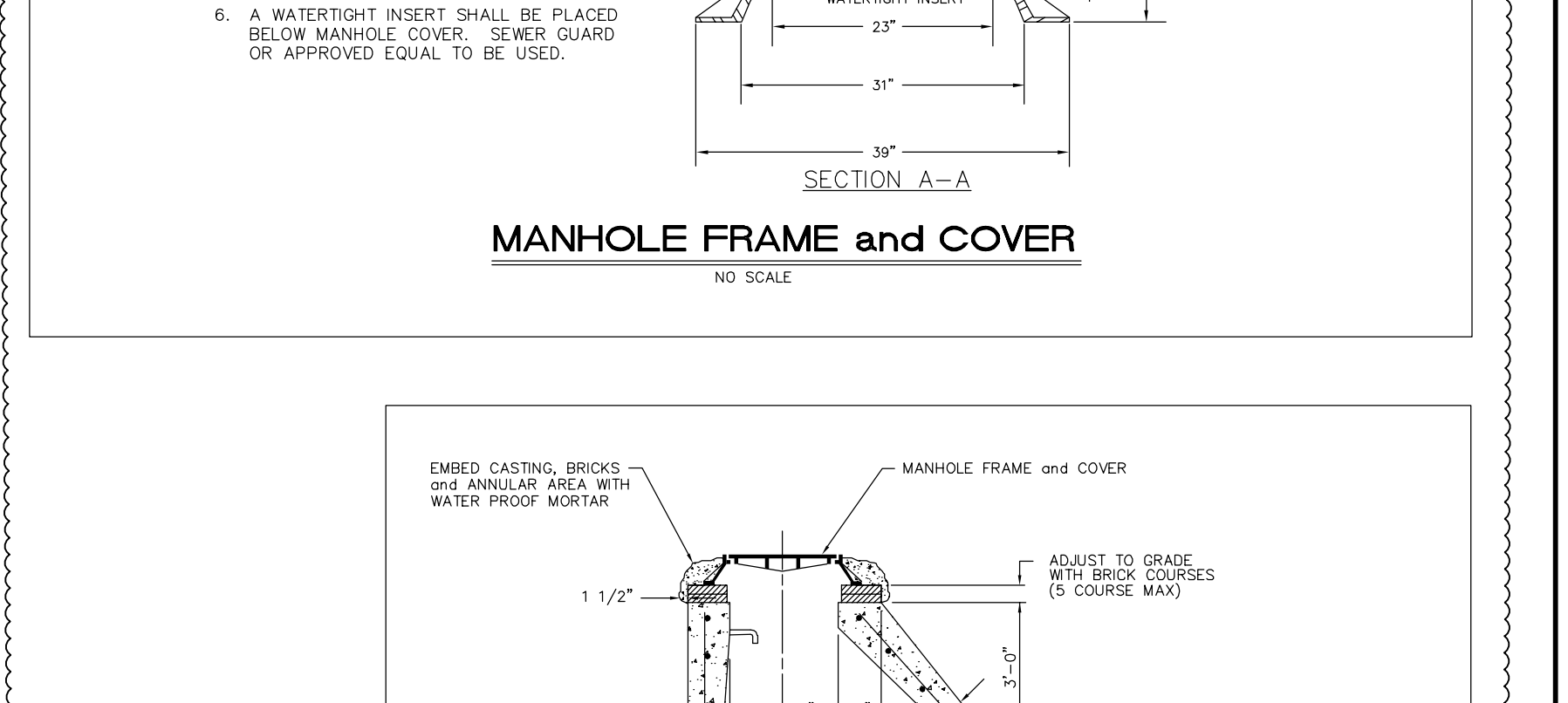
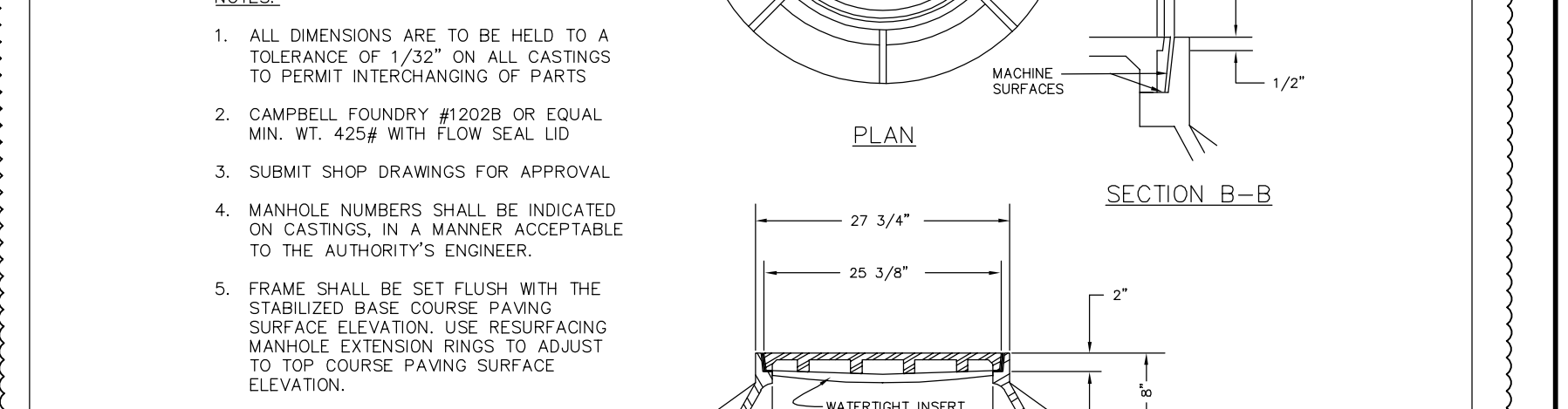
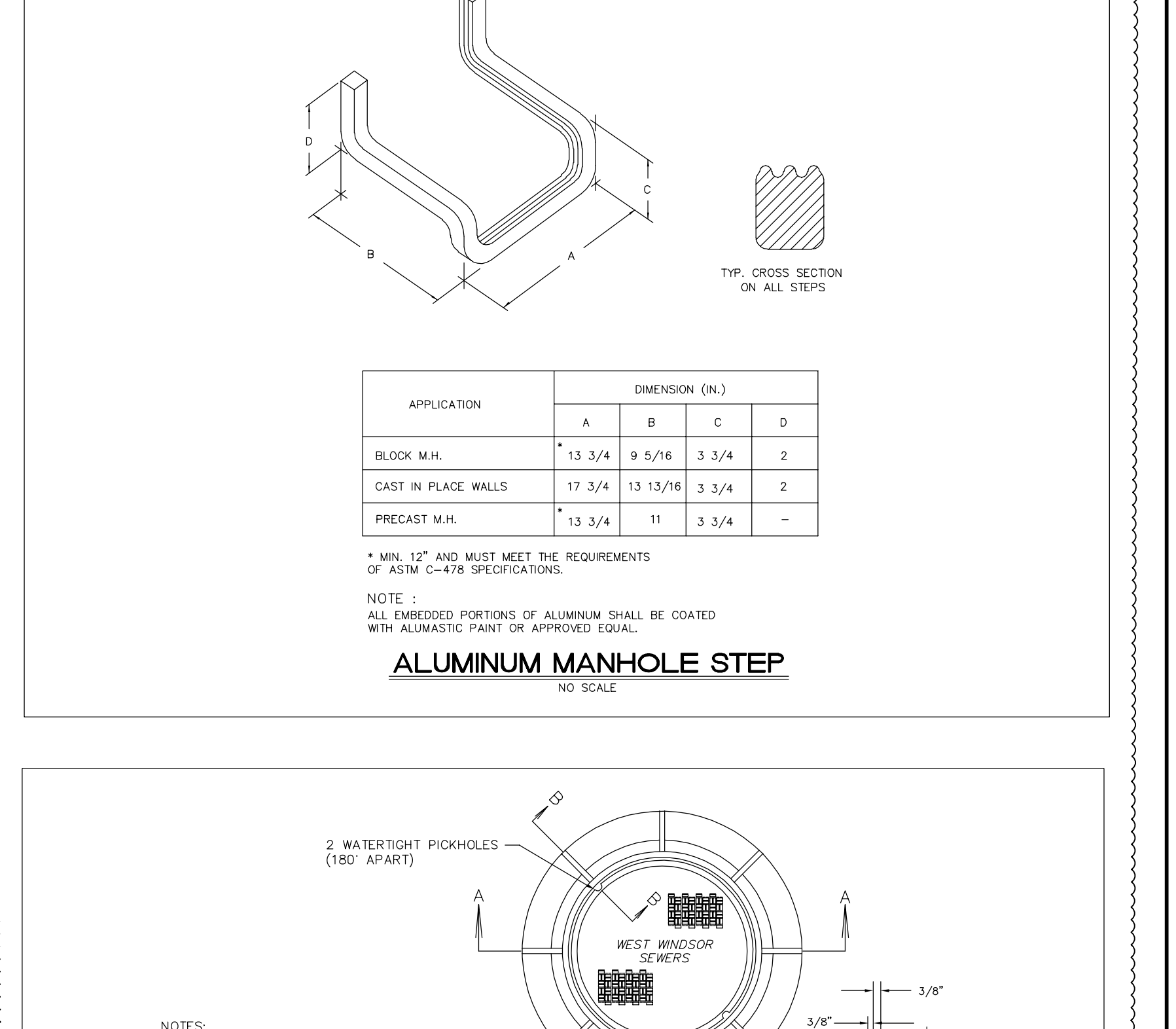
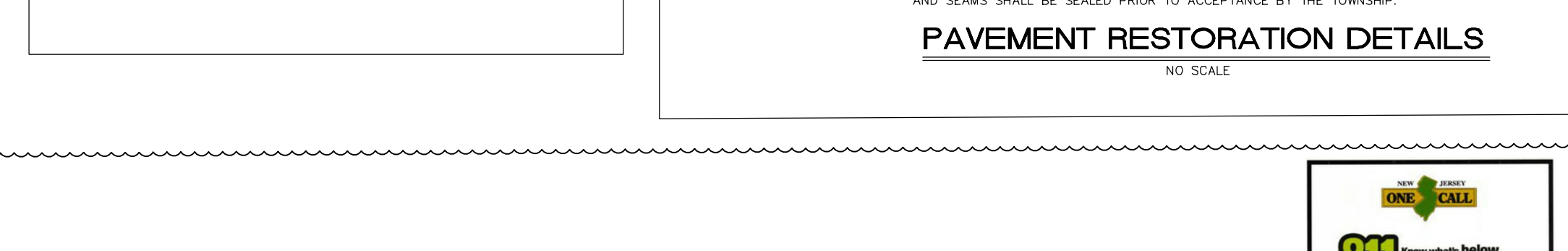
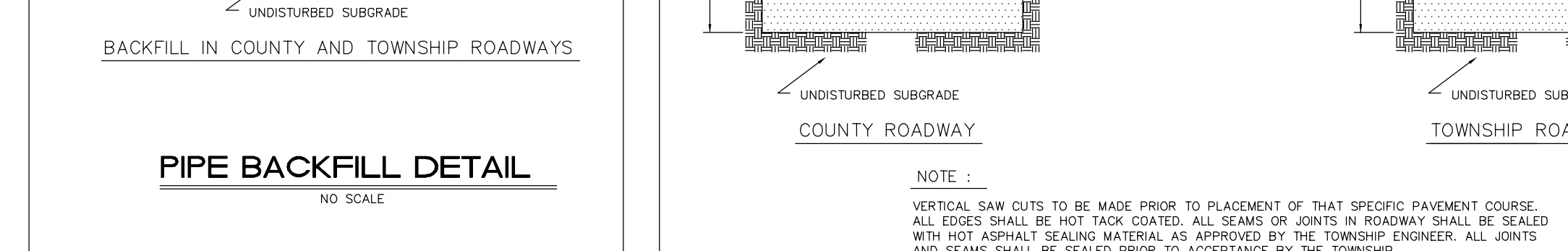
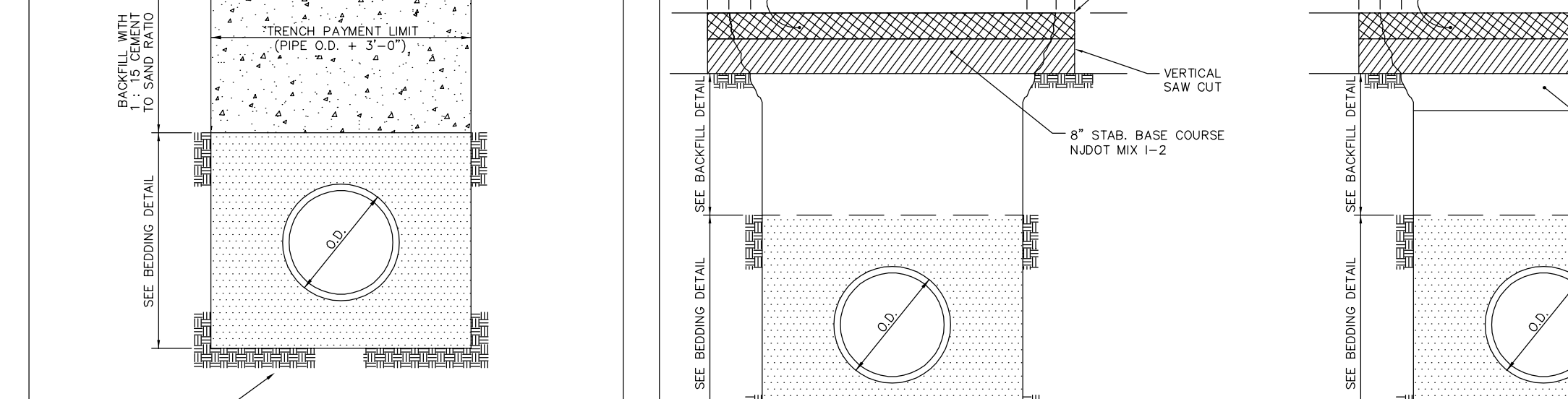
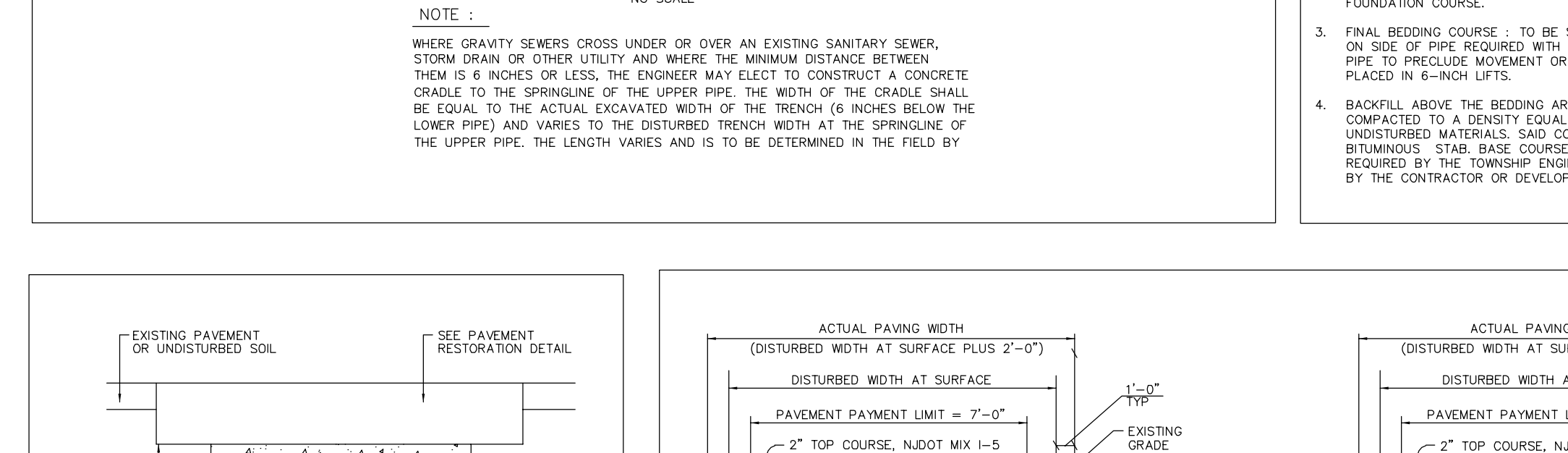
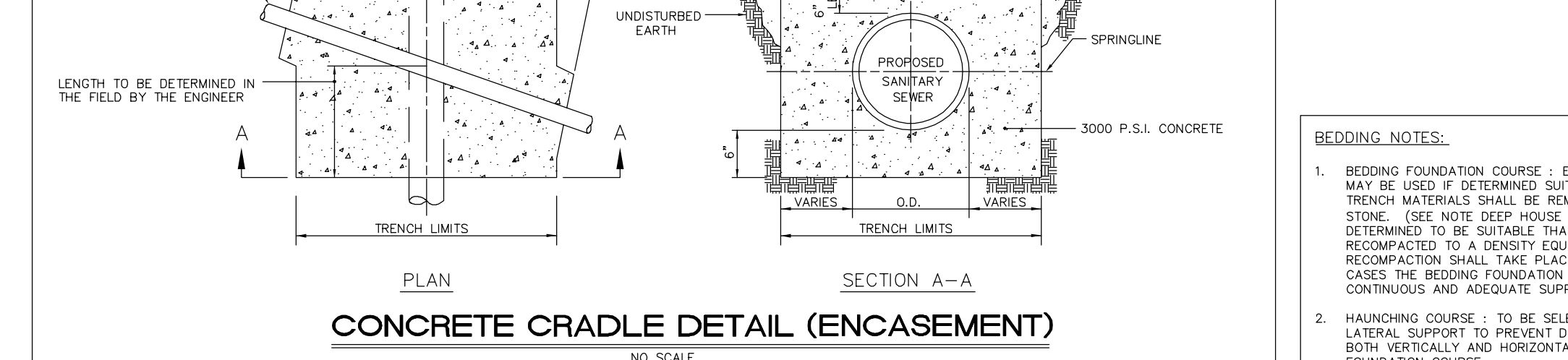
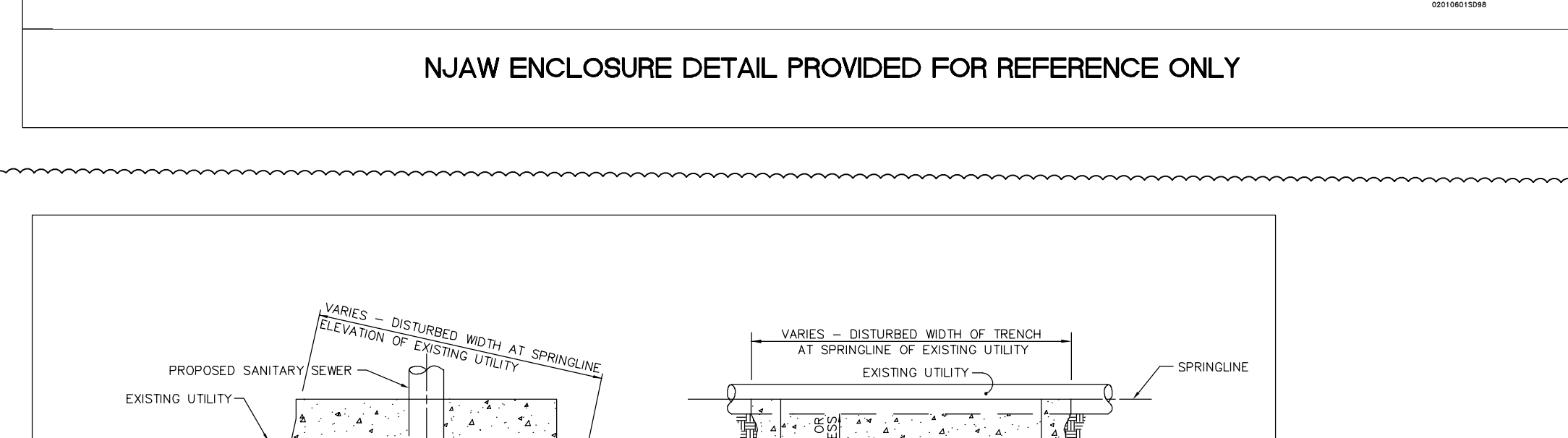
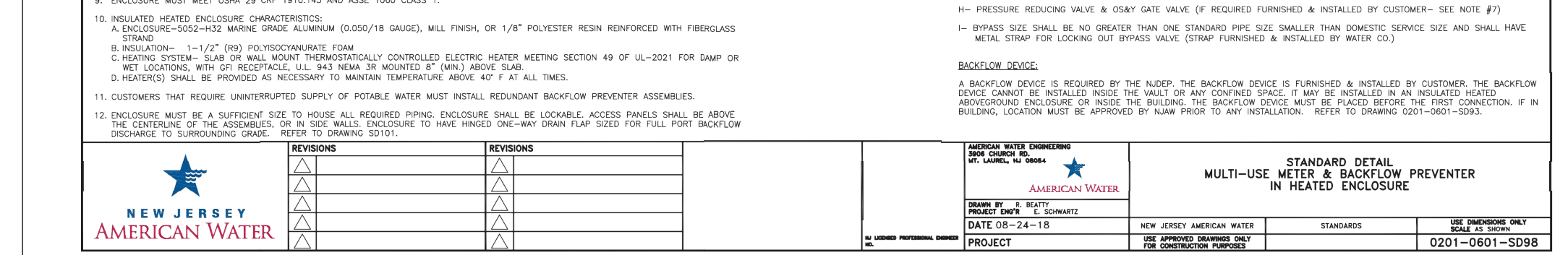
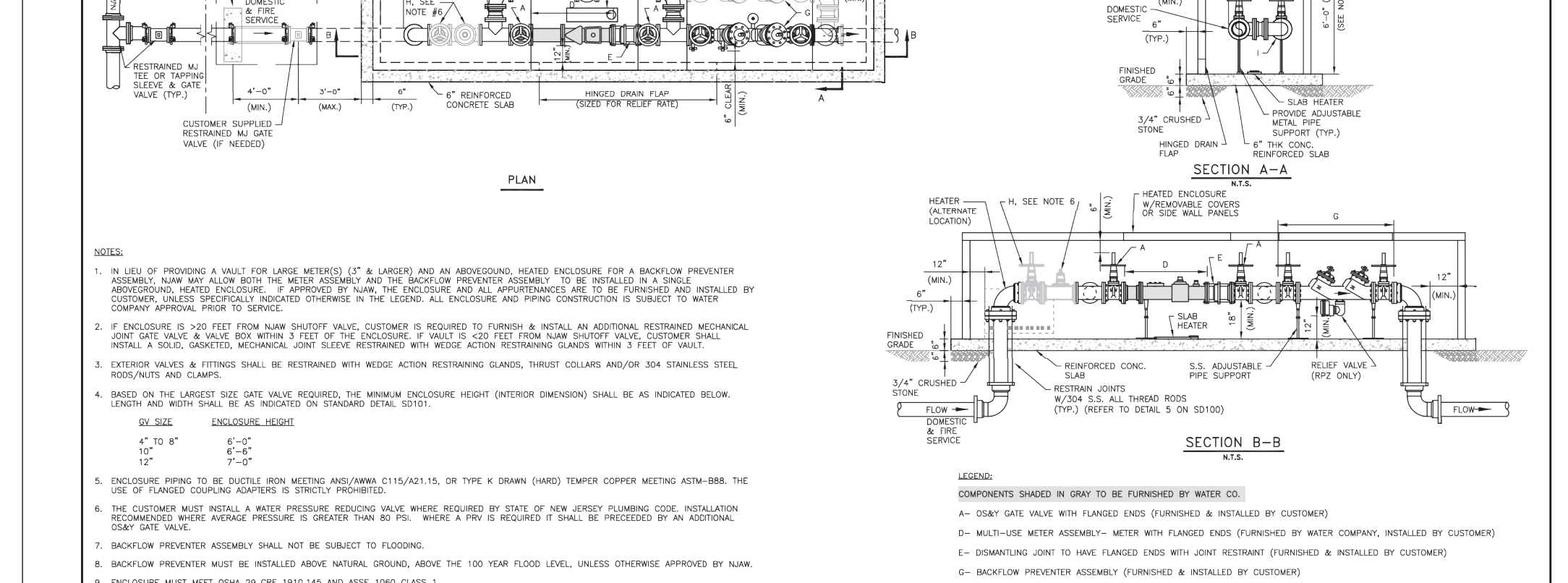
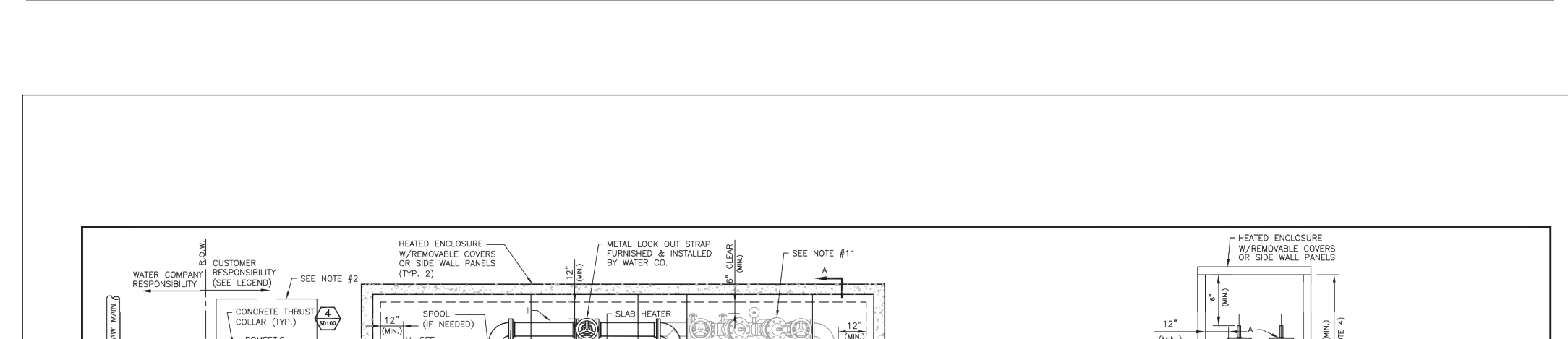
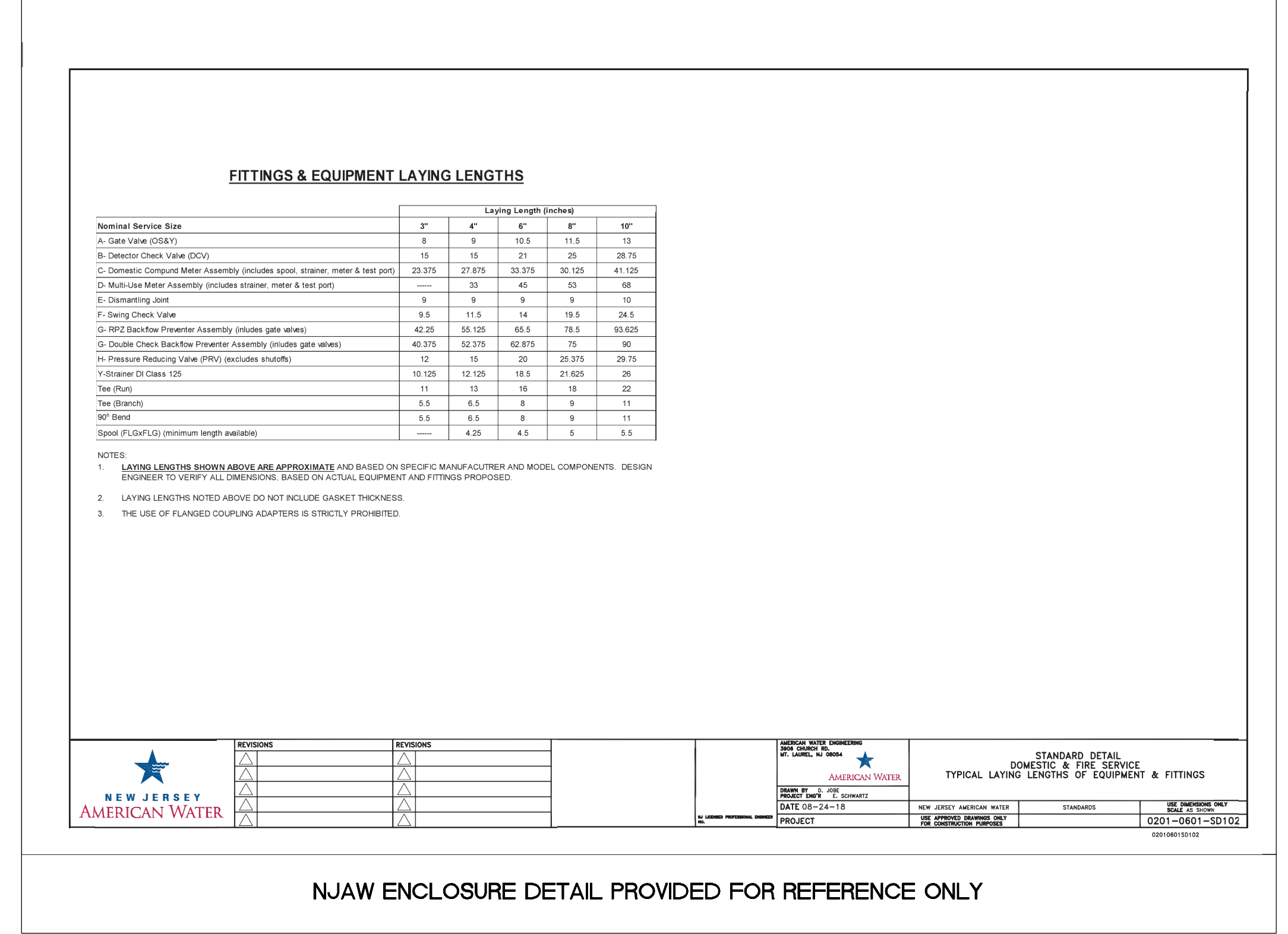
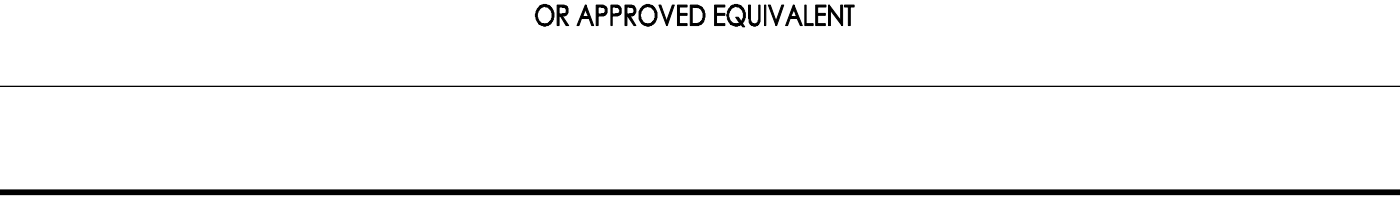
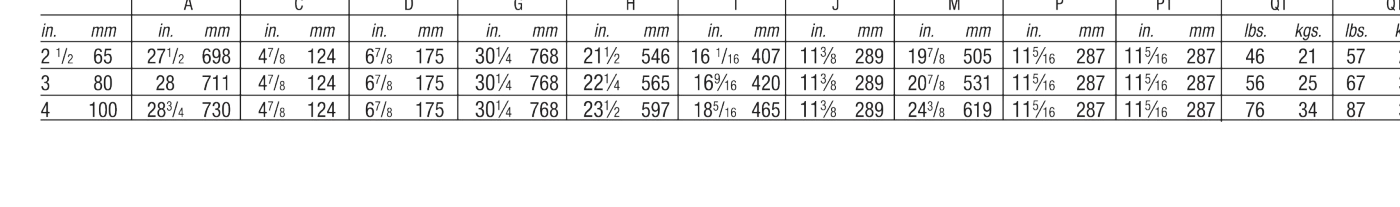
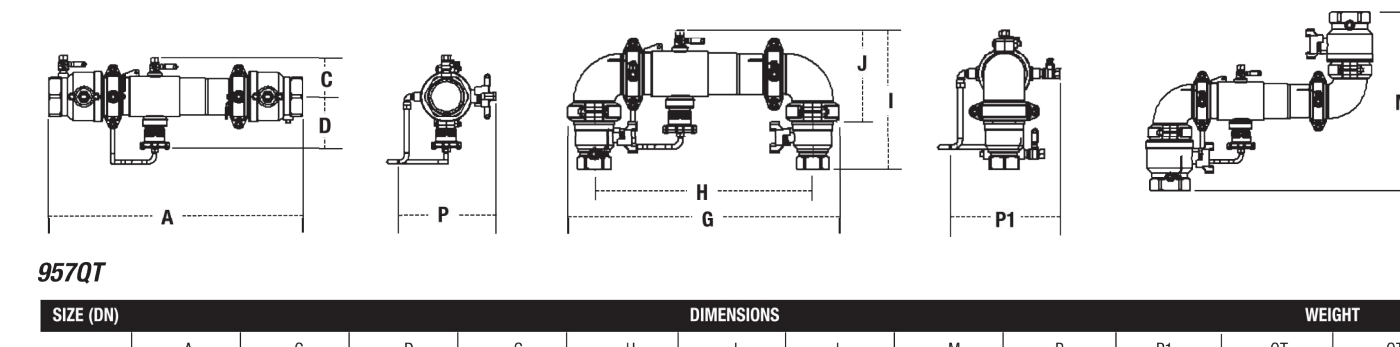
**Pressure - Temperature**

Temperature Range: 33°F - 140°F (0.3°C - 60°C)  
Maximum Working Pressure: 175psi (12.1 bar)

**Dimensions - Weight continued**



| Model No.    | Voltage | Wattage | BTUH | Phase  | Amps  | Length (in) |
|--------------|---------|---------|------|--------|-------|-------------|
| HCHS500-120  | 120     | 500     | 1707 | Single | 4.16  | 23          |
| HCHS1000-120 | 120     | 1000    | 3413 | Single | 8.33  | 23          |
| HCHS1000-240 | 240     | 1000    | 3413 | Single | 4.16  | 23          |
| HCH2000-120  | 120     | 2000    | 6824 | Single | 16.66 | 37          |
| HCH2000-240  | 240     | 2000    | 6824 | Single | 8.33  | 37          |



NJCA Electronic Release Stamp

APPROVED FOR CONSTRUCTION

DATE: 2/20/20

PROJECT: 1515 Lower Ferry Road, Trenton - New Jersey 08628

CONTRACTOR: FVHD

Project Name: Phase 1 Site Work at West Windsor-Plainsboro High School South

Project Owner Name: West Windsor - Plainsboro Regional School District

Project Location: 346 Clarksville Rd., West Windsor, New Jersey 08550

Project Number: 5063LS / 1808WW

Project Date: 02.20.2020

Checked By: GRD

Drawn By: R.R.F.

Scale: N.T.S.

Revision: 1, 04.13.20 CHANGE ORDER 1

Drawing Name: CONSTRUCTION DETAILS

Drawing Number: C116

**Van Cleef ENGINEERING ASSOCIATES**

Consulting Civil Engineering  
Bridge Design  
Construction Inspection  
Geotechnical Engineering  
Water/Wastewater  
Municipal Engineering  
Land Surveying  
Professional Landscaping

4444 DRIVE, SUITE 103, HAMILTON, NJ 08610  
PHONE: (609) 683-1100 FAX: (609) 684-1100  
NJ LIC. CERT. NO. 246248132000

BY: *Herbert J. Seeburger, Jr.* DATE: 2/20/20  
HERBERT J. SEEBURGER, JR., N.J. PROFESSIONAL ENGINEER NO. 24624748700

**Dig Safely**

SAFETY IS THE BEST WAY TO LIVE

1-800-272-1000

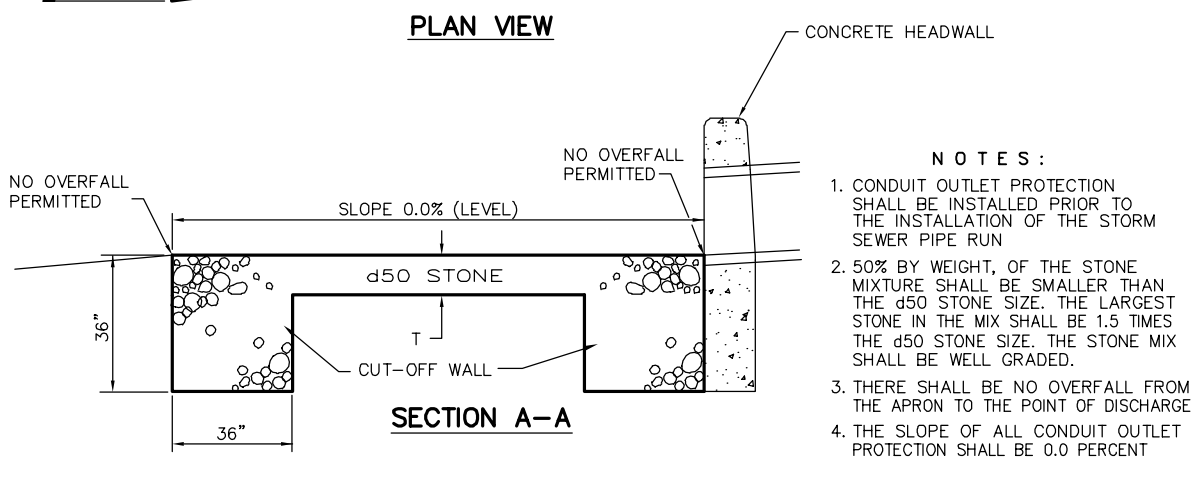
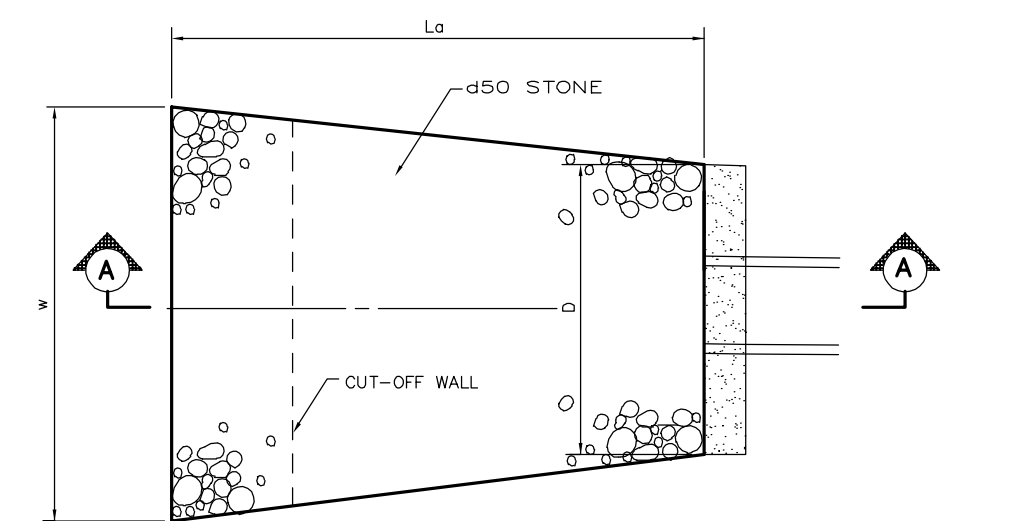
**LLANES ANTES DE EXCAVAR**

811

1-800-272-1000



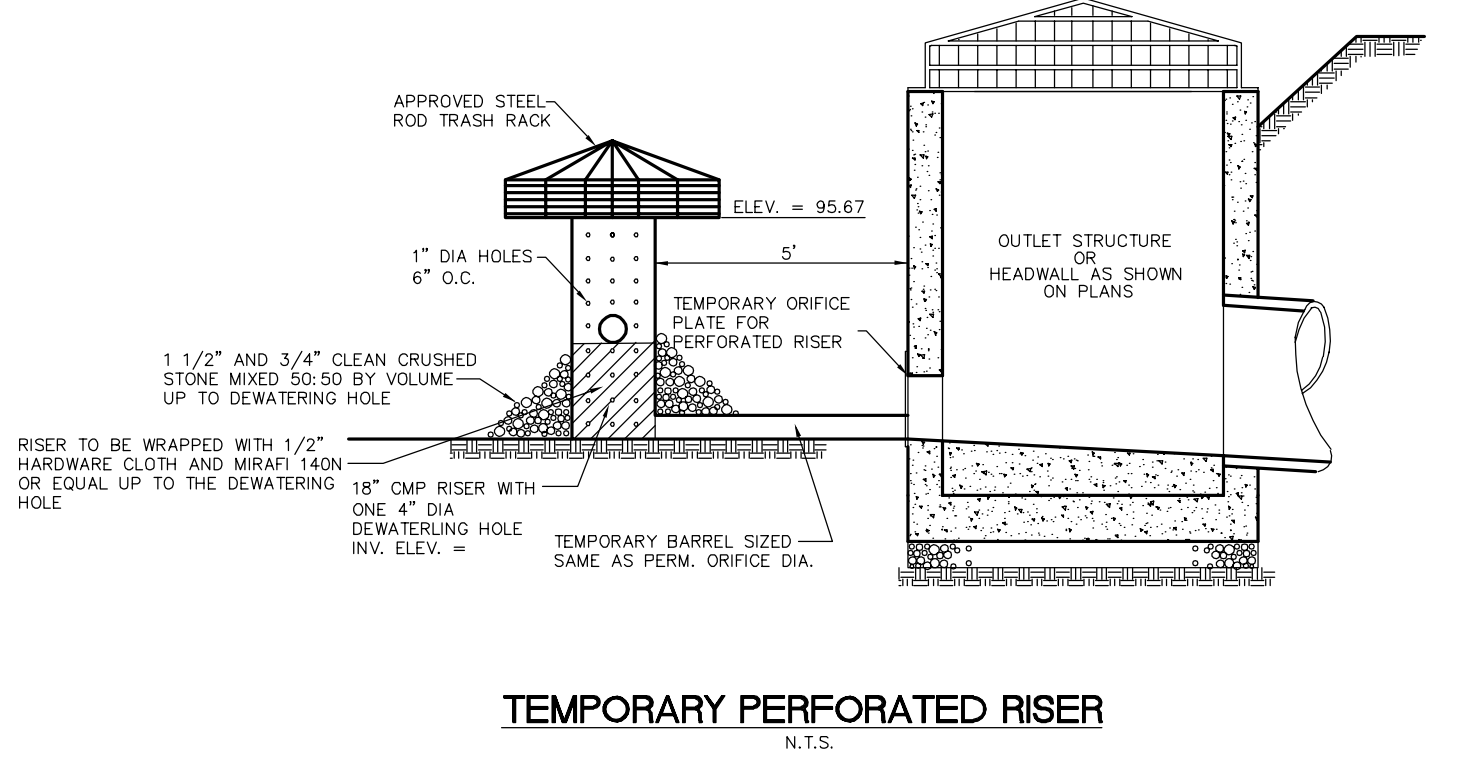
- GENERAL NOTES FOR DETENTION BASINS**
1. THE DETENTION DETENTION OF ALL CONCRETE AND REINFORCEMENT SHALL BE AS SET FORTH IN THE DRAWINGS. THE DETENTION DETENTION SHALL BE AT LEAST 1" GREATER THAN THE MAXIMUM WATER SURFACE ELEVATION AS THE DESIGN RESULTING FROM THE PROPOSED 100 YEAR STORM OR EMERGENCY DETENTION AS THE VERTICAL DISTANCE MEASURED FROM THE TOP OF BERM DOWN TO THE BOTTOM OF THE DETENTION DETENTION SHALL BE MAINTAINED THROUGHOUT THE DETENTION DETENTION. THE DETENTION DETENTION SHALL NOT BE LESS THAN 5 PERCENT.
  2. THE FILL MATERIAL IN ALL DETENTION DETENTION DETENTION DETENTION SHALL BE COMPACTED TO THE MAXIMUM DENSITY AS DETERMINED BY THE LABORATORY METHOD AS SPECIFIED IN THE SPECIFICATIONS.
  3. ALL EARTH FILL SHALL BE FREE FROM BRUSH, ROOTS, AND OTHER ORGANIC MATERIAL SUBJECT TO DISPOSITION.
  4. ALL REINFORCED CONCRETE STRUCTURES SHALL CONTAIN REINFORCING STEEL. ALL CONSTRUCTION JOINTS SHALL BE REINFORCED.
  5. ALL EXPOSED CONCRETE EDGES SHALL HAVE A 1" x 45 DEGREE CHAMFER UNLESS OTHERWISE NOTED.
  6. THE BASIN SHALL BE TOPGRADED, SEEDED AND MULCHED IMMEDIATELY FOLLOWING GRADING OF THE SAME.
  7. ALL PRECAST CONCRETE STRUCTURES SHALL CONTAIN REINFORCING STEEL AND BE DESIGNED FOR 100-25 LBS/FT<sup>2</sup> LOADING. SHOP DRAWINGS SHALL BE SUBMITTED TO THE OWNER'S ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.



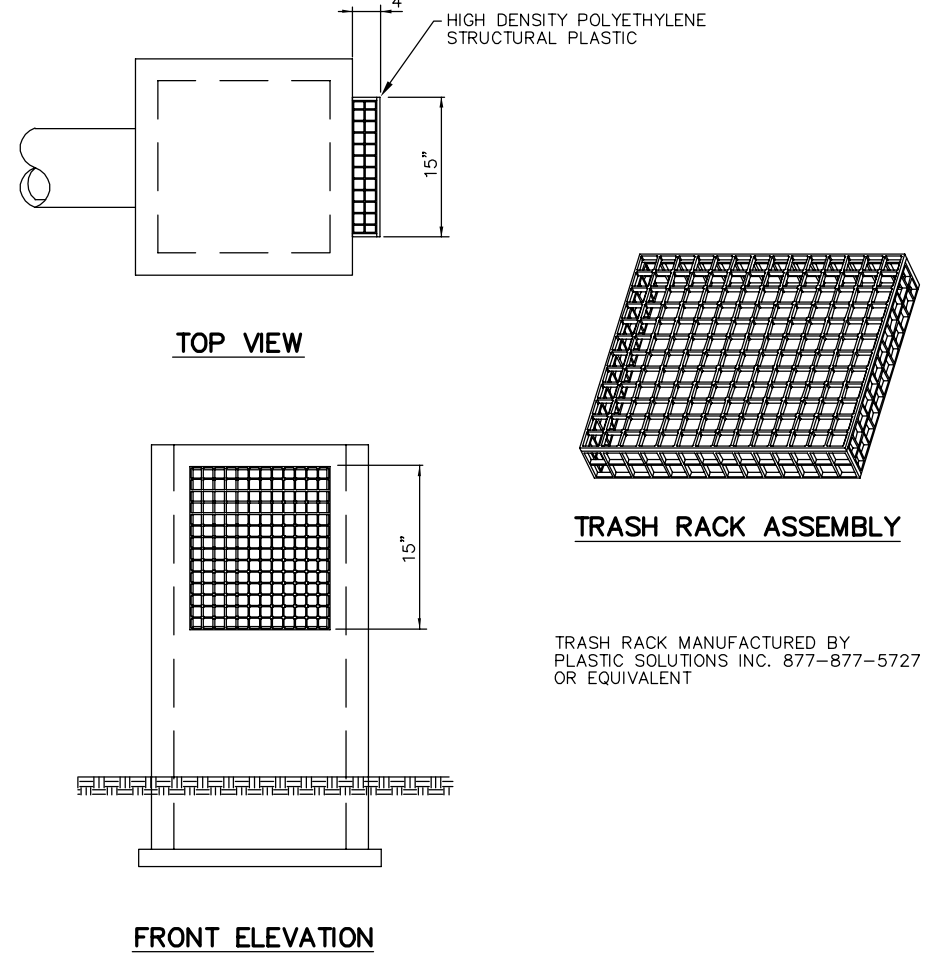
**APRON SCHEDULE**

| OUTLET NO. | L1 (FT) | L2 (FT) | L3 (FT) | 450 STONE (IN) | 1/2" FILTER FABRIC (IN) | 450 STONE (IN) | 1/2" FILTER FABRIC (IN) | COMMENTS |
|------------|---------|---------|---------|----------------|-------------------------|----------------|-------------------------|----------|
| 18         | 28.7    | 32.7    | 6.0     | 12.7           | 25.5                    | 25.5           |                         |          |
| 18A        | 24.5    | 30.5    | 6.0     | 10.0           | 19.9                    | 19.9           |                         |          |

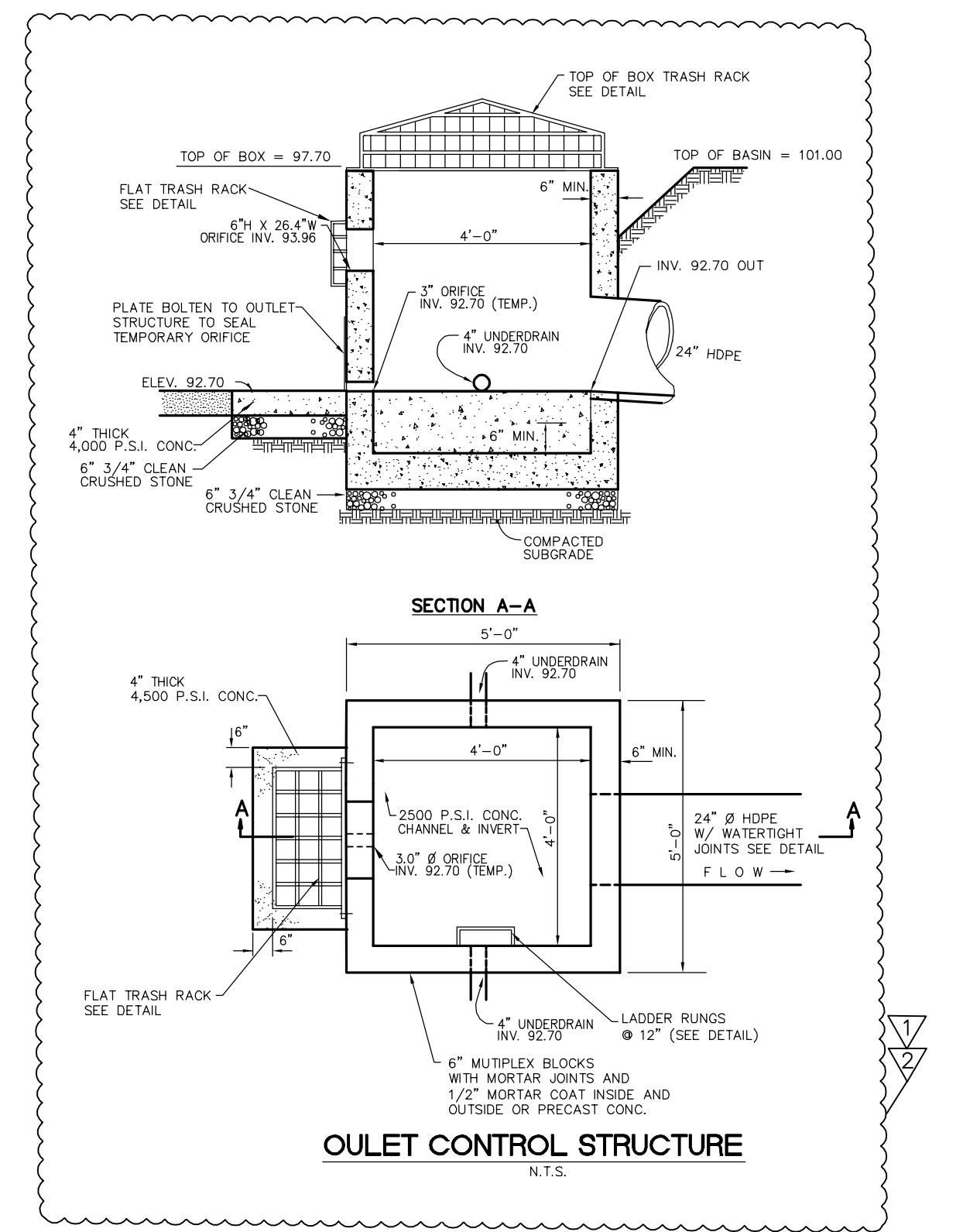
**CONDUIT OUTLET PROTECTION DETAIL**  
N.T.S.



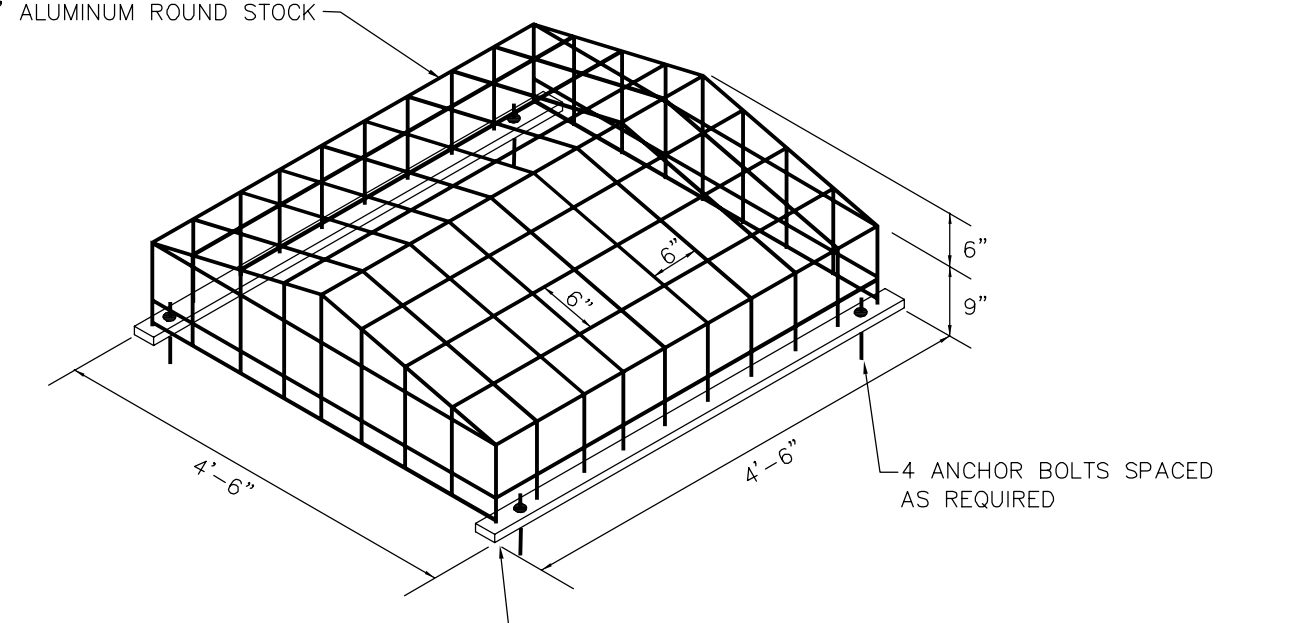
**TEMPORARY PERFORATED RISER**  
N.T.S.



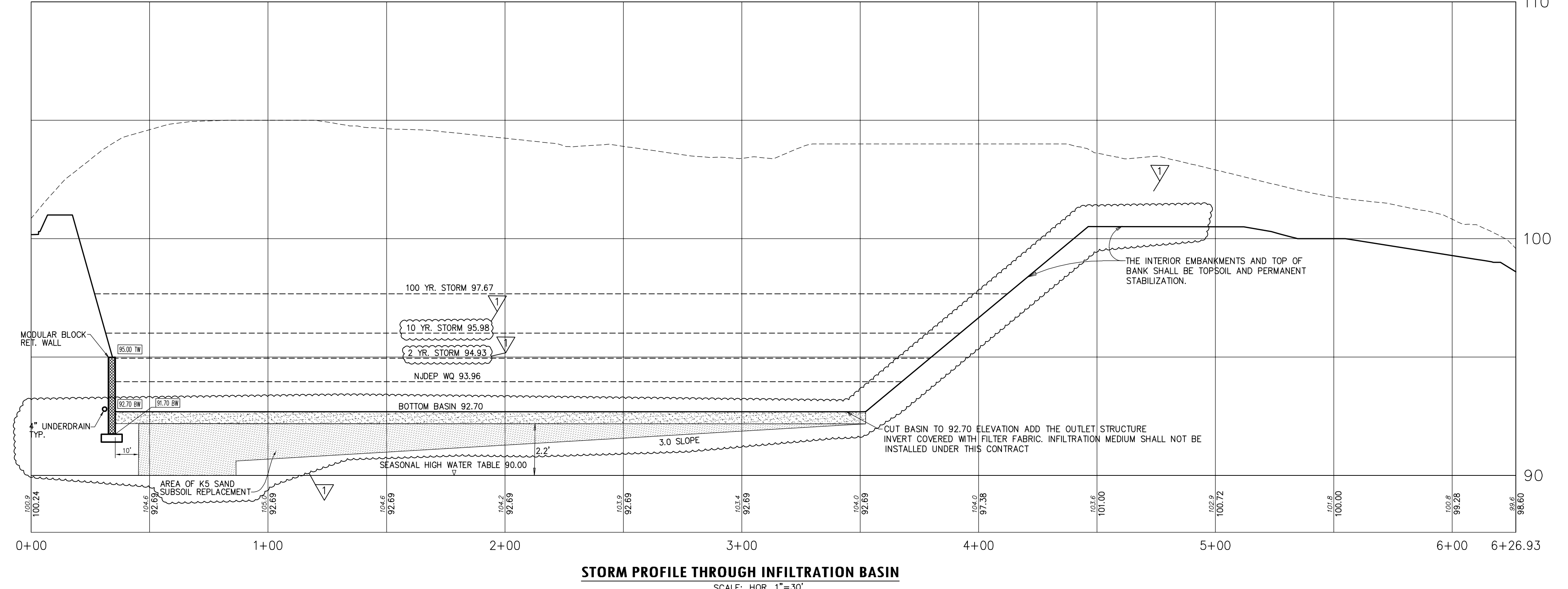
**FLAT TRASH RACK**  
NOT TO SCALE



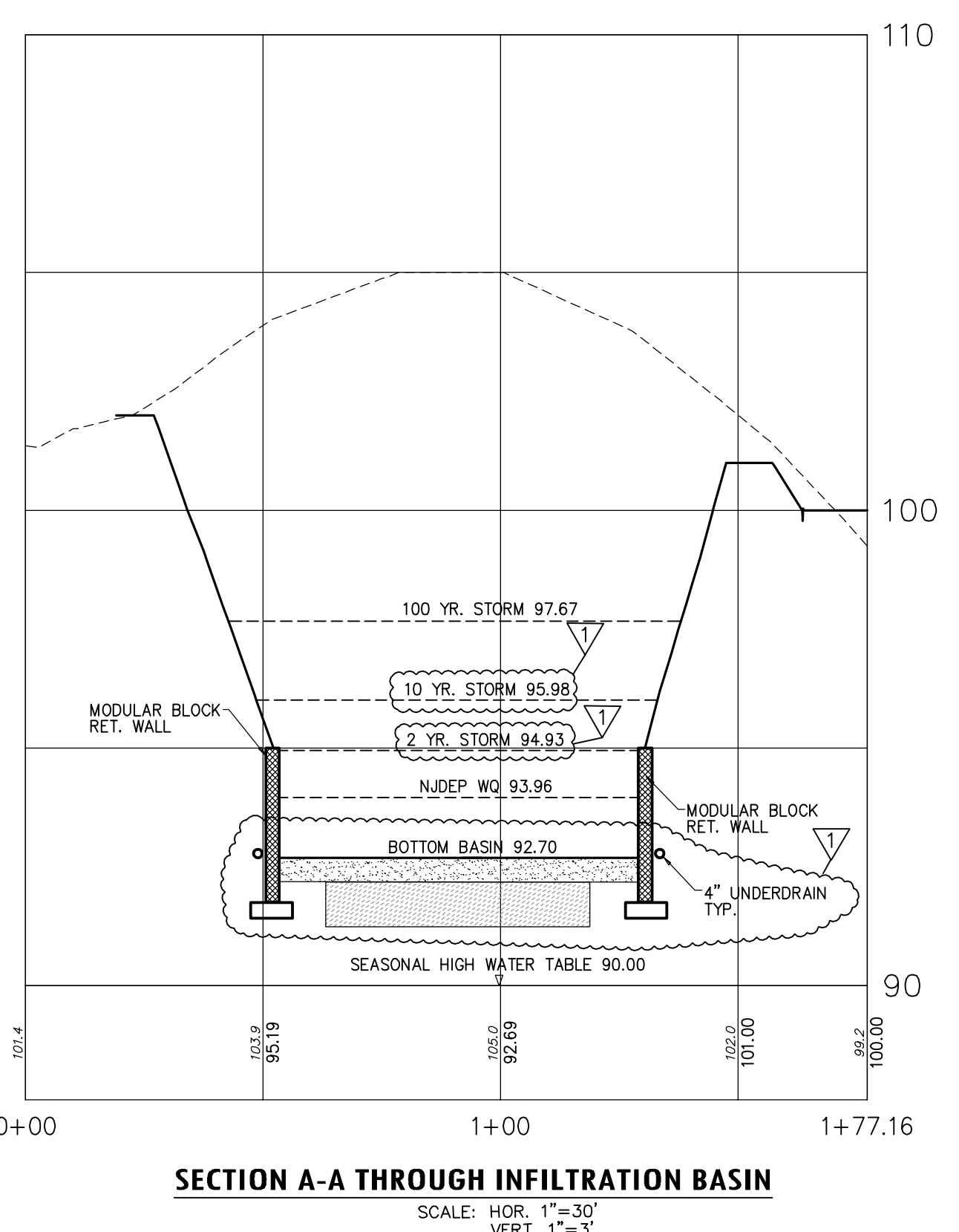
**OUTLET CONTROL STRUCTURE**  
N.T.S.



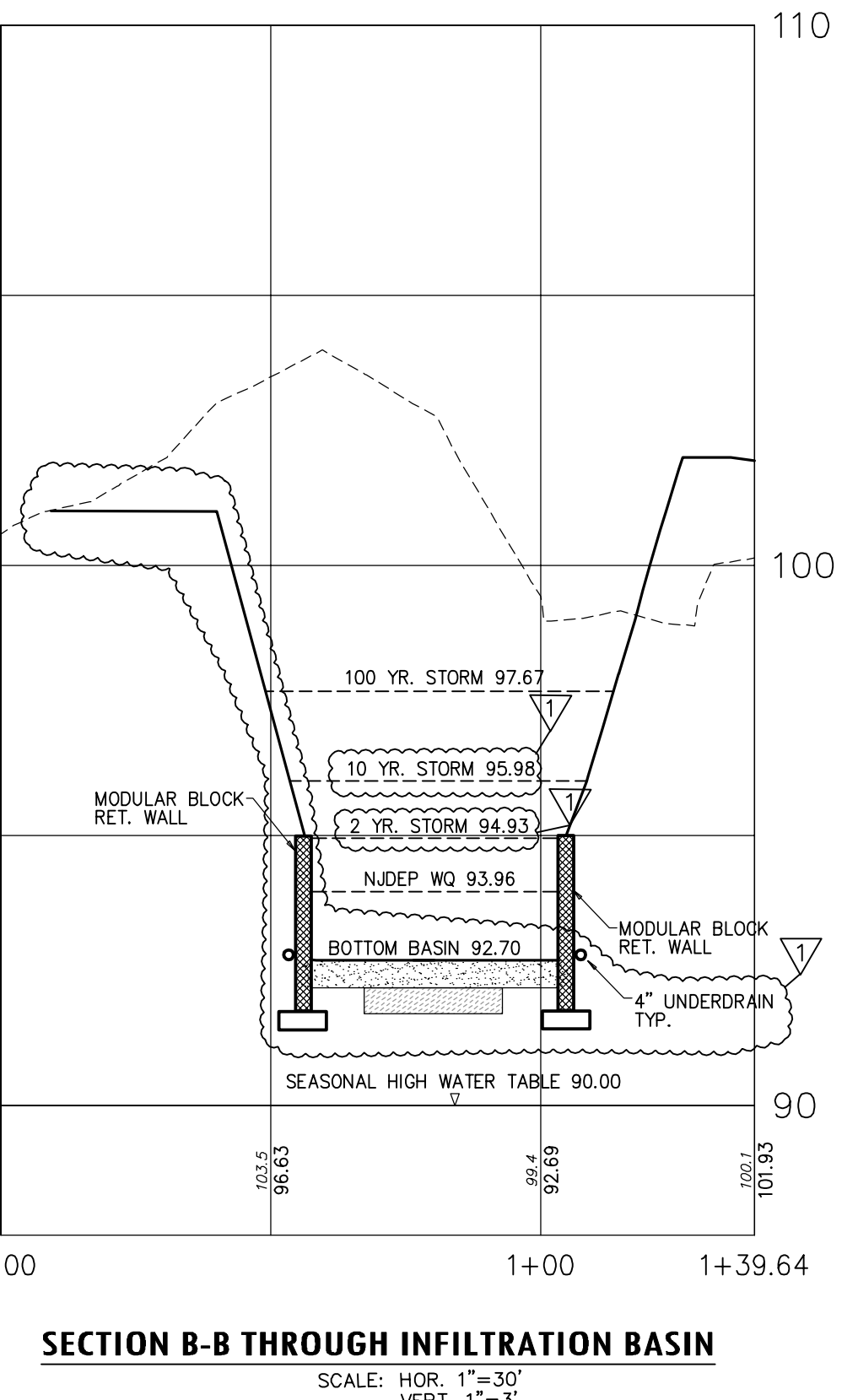
**TOP OF STRUCTURE TRASH RACK**  
NOT TO SCALE



**STORM PROFILE THROUGH INFILTRATION BASIN**  
SCALE: HOR. 1"=30' VERT. 1"=3'



**SECTION A-A THROUGH INFILTRATION BASIN**  
SCALE: HOR. 1"=30' VERT. 1"=3'



**SECTION B-B THROUGH INFILTRATION BASIN**  
SCALE: HOR. 1"=30' VERT. 1"=3'

**2019 N.J.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS AMENDED OR SUPPLEMENTED SHALL GOVERN THE CONSTRUCTION OF THIS PROJECT**

BY: *Herbert J. Seeburger, Jr.* DATE: 2/20/20  
HERBERT J. SEEBURGER, JR., N.J. PROFESSIONAL ENGINEER NO. 24520478700

NJDCA Electronic Release Stamp

**FVHD**  
Fentress Venzor Hopkins Dunbar P.C.  
Corporate: 1515 Lower Ferry Road  
Trenton - New Jersey 08628  
Pennsylvania: 140 Whitaker Avenue  
Mount Clare - Pennsylvania 19403  
FVHDP.C.COM

Project Name  
**Phase 1 Site Work at West Windsor-Plainsboro High School South**

Project Owner Name  
**West Windsor - Plainsboro Regional School District**

Project Location  
**346 Clarksville Rd., West Windsor, New Jersey 08550**

Project Number  
**5063LS / 1808WW**

Project Date  
**02.20.2020**

Checked By  
**GRD**

Drawn By  
**R.R.F.**

Scale  
**N.T.S.**

Drawing Name  
**CONSTRUCTION DETAILS**

| Revisions | No.      | Date           | Description |
|-----------|----------|----------------|-------------|
| 1         | 02.24.20 | ISSUED FOR BID |             |
| 2         | 03.12.20 | ADDENDUM 2     |             |
| 3         | 03.17.20 | REV PER MCSCD  |             |
| 4         | 03.31.20 | REV PER MCSCD  |             |
| 5         | 04.13.20 | CHANGE ORDER 1 |             |

Drawing Number  
**C117**