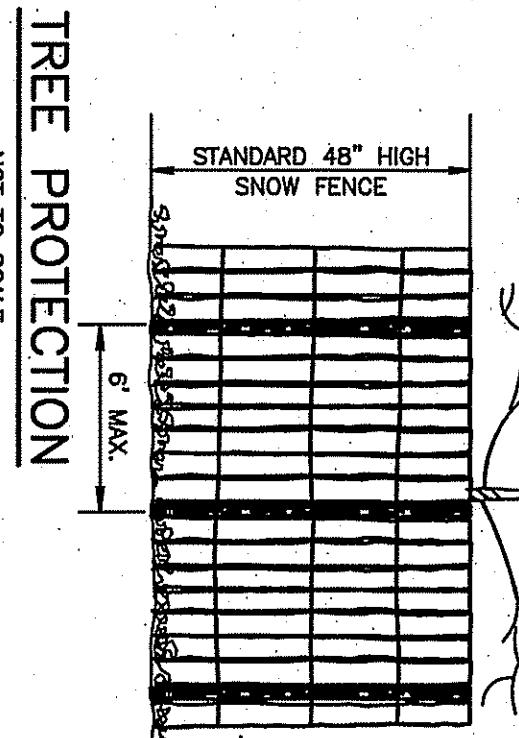


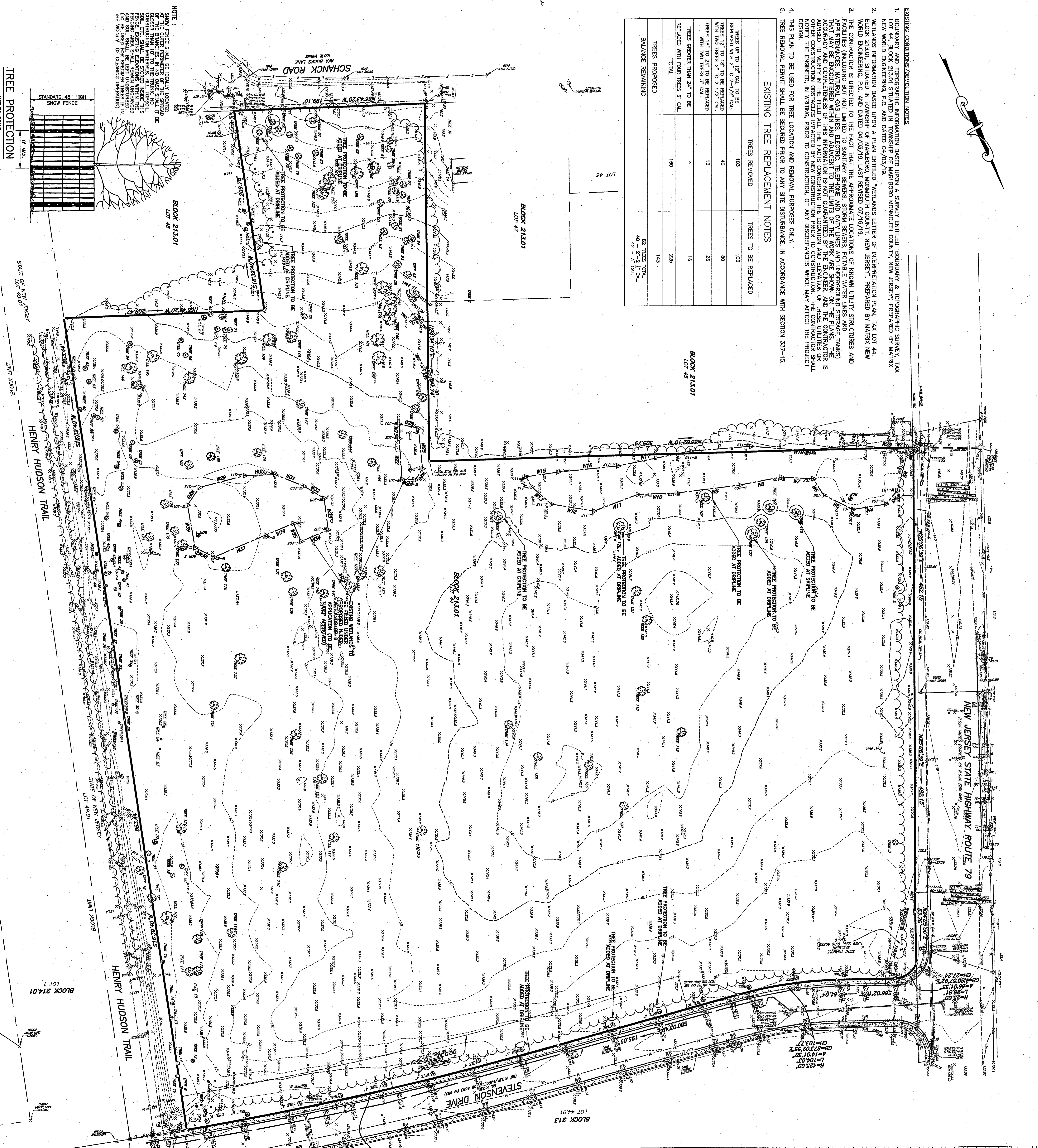
| EXISTING TREE REPLACEMENT NOTES | |
|---------------------------------|----------------------|
| TREES REMOVED | TREES TO BE REPLACED |
| 103 | 103 |
| 40 | 40 |
| 13 | 26 |
| 4 | 16 |
| 180 | 226 |
| TREES PROPOSED | TREES TO BE REPLACED |
| 143 | 143 |
| TOTAL | 226 |
| TREES REMAINING | 42 - 3" CAL. |
| | 42 - 3" CAL. |

- EXISTING CONDITIONS/RESOLUTION NOTES**
- EXISTING CONDITIONS AND RESOLUTION NOTES FOR THE PROJECT, PREPARED BY MATRIX NEW WORLD ENGINEERING, P.C. AND DATED 04/03/19.
 - WELTANOS INFORMATION BASED UPON A PLAN ENTITLED "WELTANOS LETTER OF INTERPRETATION PLAN, TAX LOT 44, BLOCK 213.01, SITUATED IN TOWNSHIP OF MARLBORO, MONMOUTH COUNTY, NEW JERSEY", PREPARED BY MATRIX NEW WORLD ENGINEERING, P.C. AND DATED 04/03/19, LAST REVISED 07/18/19.
 - THE CONTRACTOR IS DIRECTED TO THE APPROXIMATE LOCATIONS OF KNOWN UTILITY STRUCTURES AND FACILITIES (INCLUDING BUT NOT LIMITED TO SANITARY SEWERS, STORM SEWERS, FIBER OPTIC CABLES, POWER LINES, AND TELEPHONE LINES) THAT MAY BE ENCOUNTERED WITHIN AND ADJACENT TO THE LIMITS OF THE WORK ARE SHOWN ON THE PLANS. THE ACCURACY AND COMPLETENESS OF THIS INFORMATION IS NOT GUARANTEED BY THE ENGINEER, AND THE CONTRACTOR IS ADVISED TO VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, IN WRITING, PRIOR TO CONSTRUCTION, OF ANY DISCREPANCIES WHICH MAY AFFECT THE PROJECT DESIGN.
 - THIS PLAN TO BE USED FOR TREE LOCATION AND REMOVAL PURPOSES ONLY.
 - TREE REMOVAL PERMIT SHALL BE SECURED PRIOR TO ANY SITE DISTURBANCE, IN ACCORDANCE WITH SECTION 337-15.

NOTE:
 SNOW FENCE SHALL BE IDEALLY LOCATED AT THE OUTER PERIMETER OF THE SITE. IF THE SNOW FENCE IS LOCATED CLOSER THAN 10' TO THE TRUNK AND BRANCHES OF ANY TREE, THE SNOW FENCE SHALL BE STRENGTHENED WITH 2" X 4" POSTS AND 1/2" X 4" RAILS. THE SNOW FENCE SHALL BE STRENGTHENED WITH 2" X 4" POSTS AND 1/2" X 4" RAILS. THE SNOW FENCE SHALL BE STRENGTHENED WITH 2" X 4" POSTS AND 1/2" X 4" RAILS. THE SNOW FENCE SHALL BE STRENGTHENED WITH 2" X 4" POSTS AND 1/2" X 4" RAILS.



TREE PROTECTION
 NOT TO SCALE



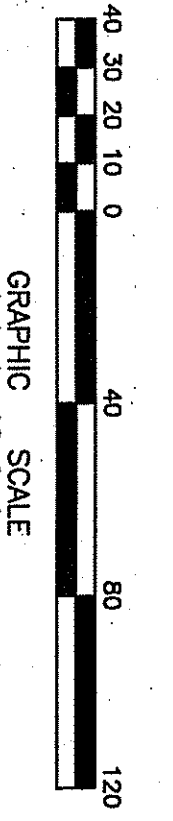
| NO. | DESCRIPTION | DATE | DES. | REV. | REL. |
|-----|---|------|------|------|------|
| 1 | REV PER CME REV LTR DTD 03/13/20, FIRE BUREAU REV 08/1/20 | TW | DB | LR | |
| 2 | LTR DTD 03/06/20 & TRAFFIC SAFETY LTR DTD 02/20/20 | | | | |

LEGEND

- BOUNDARY LINE
- EXISTING ROW
- LOT LINE
- CURB LINE
- DEPRESSED CURB
- EDGE OF PAVEMENT
- FENCE
- STORM DRAIN
- SWANNEY SEWER
- GUIDE RAIL
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND TELEPHONE
- WATER LINE
- TREE LINE
- CONTROLS MAJOR
- CONTROLS MINOR
- FLARED END SECTION
- UTILITY POLE
- GUY ANCHOR
- LEFT POLE
- SINGLE HEAD LAMP
- SHANNON VALVE
- DECOLOUS TREE
- EMERGENCY TREE
- SPOT ELEVATION
- BOTTOM OF CURB
- TOP OF CURB
- GRATE ELEVATION
- GENERAL SIGN
- STREET SIGN
- MAIL BOX
- FIRE HYDRANT
- WATER VALVE
- MONITOR WELL
- GAS METER
- SMOKE CLEAN OUT
- STORM DRAINAGE INLET
- MANHOLE
- STORM DRAINAGE INLET
- FLARED END SECTION
- UTILITY POLE
- GUY ANCHOR
- LEFT POLE
- SINGLE HEAD LAMP
- SHANNON VALVE
- DECOLOUS TREE
- EMERGENCY TREE

NOTICE TO CONTRACTOR

ATTENTION OF THE CONTRACTOR IS DIRECTED TO THE FACT THAT THE APPROXIMATE LOCATIONS OF KNOWN UTILITY STRUCTURES AND FACILITIES ARE SHOWN ON THE PLANS. THE ACCURACY AND COMPLETENESS OF THIS INFORMATION IS NOT GUARANTEED BY THE ENGINEER, AND THE CONTRACTOR IS ADVISED TO VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, IN WRITING, PRIOR TO CONSTRUCTION, OF ANY DISCREPANCIES WHICH MAY AFFECT THE PROJECT DESIGN. (1-200-272-1000 OR LATEST NUMBER) FOR UTILITY MARKOUT SERVICE TO THE START OF CONSTRUCTION.



GRAPHIC SCALE
 1 inch=40 feet

TREE LOCATION & REMOVAL PLAN
 PRELIMINARY AND FINAL MAJOR SITE PLANS
 MIXED-USE DEVELOPMENT
 TAX LOT 44, BLOCK 213.01
 SITUATED IN
 TOWNSHIP OF MARLBORO, MONMOUTH COUNTY, NEW JERSEY

MATRIXNEWORLD
 Engineering Progress
 Matrix New World Engineering, Land Surveying
 and Landscape Architecture, P.C.
 442 State Route 35, Second Floor
 Eatontown, New Jersey 07724
 WBE / DBE
 www.matrixnewworld.com

WILLIAM D. REIMER, L.L.A.
 NEW JERSEY LICENSED LANDSCAPE ARCHITECT
 LICENSE NO. 21A500081200

DESIGNED BY: CMG
 REVIEWED BY: CTR
 RELEASED BY: WDR
 DATE: 6/1/2020

- EXISTING NOTES:**
1. PRESENT TOWN AND RESERVING AS SHOWN ON THE CURRENT TAX MAP.
 2. BOUNDARY AND TOPOGRAPHIC INFORMATION BASED UPON A SURVEY ENTITLED "BOUNDARY & TOPOGRAPHIC SURVEY, TAX LOT 4, BLOCK 213, SITUATED IN TOWNSHIP OF MARLBORO COUNTY, NEW JERSEY."
 3. ADDITIONAL OFF-SITE TOPOGRAPHY AND FEATURES OBTAINED FROM NOAA LISSAT INFORMATION AND AERIAL VIEWS.
 4. HORIZONTAL DATA - NAD 1983 AND VERTICAL DATA NAVD 1988.
 5. ALL PROPOSED ON-SITE CONSTRUCTION SHALL BE TO CONFORM TO THE HORIZONTAL (H) OR VERTICAL (V) DATA.
 6. ALL CROSS SHALL BE RUSH AT CROSSINGS AND CONFORM TO APPLICABLE STATE AND FEDERAL BARBER AMENDMENTS TO THE CONCRETE CURB AND GUTTER ACT.
 7. ALL UNITS SHALL BE TO CONFORM TO THE APPLICABLE STANDARDS SET FORTH IN THE
 8. ALL UNITS SHALL HAVE A MINIMUM CROSS SLOPE OF 2% AND RUNNING SLOPE OF 5% UNLESS OTHERWISE SPECIFIED.
 9. ALL GRADING WITHIN EXISTING AREAS TO BE A MINIMUM OF 2% AND A MAXIMUM OF 4% (HORIZONTAL, 1 VERTICAL) SLOPE UNLESS OTHERWISE NOTED.
 10. ALL GRADING IN PAVED AREAS SHALL BE GREATER THAN 1% UNLESS OTHERWISE NOTED.
 11. DETERMINATION BASED ON:
 12. ALL OTHER FEATURES SHALL BE TO CONFORM TO THE APPLICABLE STANDARDS SET FORTH IN THE
 13. ALL UNITS SHALL HAVE A MINIMUM CROSS SLOPE OF 2% AND RUNNING SLOPE OF 5% UNLESS OTHERWISE SPECIFIED.
 14. ALL GRADING WITHIN EXISTING AREAS TO BE A MINIMUM OF 2% AND A MAXIMUM OF 4% (HORIZONTAL, 1 VERTICAL) SLOPE UNLESS OTHERWISE NOTED.
 15. ALL GRADING IN PAVED AREAS SHALL BE GREATER THAN 1% UNLESS OTHERWISE NOTED.
 16. ALL UNITS SHALL HAVE A MINIMUM CROSS SLOPE OF 2% AND RUNNING SLOPE OF 5% UNLESS OTHERWISE SPECIFIED.
 17. ALL GRADING WITHIN EXISTING AREAS TO BE A MINIMUM OF 2% AND A MAXIMUM OF 4% (HORIZONTAL, 1 VERTICAL) SLOPE UNLESS OTHERWISE NOTED.
 18. ALL GRADING IN PAVED AREAS SHALL BE GREATER THAN 1% UNLESS OTHERWISE NOTED.
 19. ALL UNITS SHALL HAVE A MINIMUM CROSS SLOPE OF 2% AND RUNNING SLOPE OF 5% UNLESS OTHERWISE SPECIFIED.
 20. ALL GRADING WITHIN EXISTING AREAS TO BE A MINIMUM OF 2% AND A MAXIMUM OF 4% (HORIZONTAL, 1 VERTICAL) SLOPE UNLESS OTHERWISE NOTED.
 21. ALL GRADING IN PAVED AREAS SHALL BE GREATER THAN 1% UNLESS OTHERWISE NOTED.
 22. ALL UNITS SHALL HAVE A MINIMUM CROSS SLOPE OF 2% AND RUNNING SLOPE OF 5% UNLESS OTHERWISE SPECIFIED.

- PROPOSED NOTES:**
1. FLOOR ELEVATIONS, ADJUSTED GRADE, DOWNY LOCATIONS AND ELEVATIONS SHALL BE CONFORMED WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION BY THE CONTRACTOR.
 2. ALL SPECIES OF TREES TO BE MAINTAINED SHALL BE IDENTIFIED AND PROTECTED BY THE CONTRACTOR.
 3. ALL IMPROVED SOILS MUST BE CEMENTED CLEAN FILL IN ACCORDANCE WITH THE LATEST TECHNICAL REQUIREMENTS AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
 4. ALL PROPOSED AREAS TO HAVE A MINIMUM OF 4" CLEAN TOP SOIL WHEN SOIL IS BEING INSTALLED, OR 6" OF CLEAN TOP SOIL.
 5. ALL PROPOSED AREAS TO HAVE A MINIMUM OF 4" CLEAN TOP SOIL WHEN SOIL IS BEING INSTALLED, OR 6" OF CLEAN TOP SOIL.
 6. ALL PROPOSED AREAS TO HAVE A MINIMUM OF 4" CLEAN TOP SOIL WHEN SOIL IS BEING INSTALLED, OR 6" OF CLEAN TOP SOIL.
 7. ALL PROPOSED AREAS TO HAVE A MINIMUM OF 4" CLEAN TOP SOIL WHEN SOIL IS BEING INSTALLED, OR 6" OF CLEAN TOP SOIL.
 8. ALL PROPOSED AREAS TO HAVE A MINIMUM OF 4" CLEAN TOP SOIL WHEN SOIL IS BEING INSTALLED, OR 6" OF CLEAN TOP SOIL.
 9. ALL PROPOSED AREAS TO HAVE A MINIMUM OF 4" CLEAN TOP SOIL WHEN SOIL IS BEING INSTALLED, OR 6" OF CLEAN TOP SOIL.
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 19. ALL PROPOSED AREAS TO HAVE A MINIMUM OF 4" CLEAN TOP SOIL WHEN SOIL IS BEING INSTALLED, OR 6" OF CLEAN TOP SOIL.
 20. ALL PROPOSED AREAS TO HAVE A MINIMUM OF 4" CLEAN TOP SOIL WHEN SOIL IS BEING INSTALLED, OR 6" OF CLEAN TOP SOIL.
 21. ALL PROPOSED AREAS TO HAVE A MINIMUM OF 4" CLEAN TOP SOIL WHEN SOIL IS BEING INSTALLED, OR 6" OF CLEAN TOP SOIL.
 22. ALL PROPOSED AREAS TO HAVE A MINIMUM OF 4" CLEAN TOP SOIL WHEN SOIL IS BEING INSTALLED, OR 6" OF CLEAN TOP SOIL.

LEGEND

| EXISTING | PROPOSED |
|------------------|------------------|
| BOUNDARY LINE | BOUNDARY LINE |
| LOT LINE | LOT LINE |
| SEWER LINE | SEWER LINE |
| STORMWATER DRAIN | STORMWATER DRAIN |
| WATER MAIN | WATER MAIN |
| CONCRETE | CONCRETE |
| ASPHALT | ASPHALT |
| GRAVEL | GRAVEL |
| WOOD | WOOD |
| IRON | IRON |
| COPPER | COPPER |
| STEEL | STEEL |
| ALUMINUM | ALUMINUM |
| BRASS | BRASS |
| LEAD | LEAD |
| ZINC | ZINC |
| NICKEL | NICKEL |
| CHROME | CHROME |
| MANGANESE | MANGANESE |
| PHOSPHORUS | PHOSPHORUS |
| POTASSIUM | POTASSIUM |
| SODIUM | SODIUM |
| CALCIUM | CALCIUM |
| MAGNESIUM | MAGNESIUM |
| IRON | IRON |
| COPPER | COPPER |
| STEEL | STEEL |
| ALUMINUM | ALUMINUM |
| BRASS | BRASS |
| LEAD | LEAD |
| ZINC | ZINC |
| NICKEL | NICKEL |
| CHROME | CHROME |
| MANGANESE | MANGANESE |
| PHOSPHORUS | PHOSPHORUS |
| POTASSIUM | POTASSIUM |
| SODIUM | SODIUM |
| CALCIUM | CALCIUM |
| MAGNESIUM | MAGNESIUM |

LEGEND

| EXISTING | PROPOSED |
|------------------|------------------|
| WOOD DOWNSPOUT | WOOD DOWNSPOUT |
| SMOOTH DOWNSPOUT | SMOOTH DOWNSPOUT |
| WATER MAIN | WATER MAIN |
| SEWER MAIN | SEWER MAIN |
| STORMWATER DRAIN | STORMWATER DRAIN |
| CONCRETE | CONCRETE |
| ASPHALT | ASPHALT |
| GRAVEL | GRAVEL |
| WOOD | WOOD |
| IRON | IRON |
| COPPER | COPPER |
| STEEL | STEEL |
| ALUMINUM | ALUMINUM |
| BRASS | BRASS |
| LEAD | LEAD |
| ZINC | ZINC |
| NICKEL | NICKEL |
| CHROME | CHROME |
| MANGANESE | MANGANESE |
| PHOSPHORUS | PHOSPHORUS |
| POTASSIUM | POTASSIUM |
| SODIUM | SODIUM |
| CALCIUM | CALCIUM |
| MAGNESIUM | MAGNESIUM |

LEGEND

| EXISTING | PROPOSED |
|------------------|------------------|
| WOOD DOWNSPOUT | WOOD DOWNSPOUT |
| SMOOTH DOWNSPOUT | SMOOTH DOWNSPOUT |
| WATER MAIN | WATER MAIN |
| SEWER MAIN | SEWER MAIN |
| STORMWATER DRAIN | STORMWATER DRAIN |
| CONCRETE | CONCRETE |
| ASPHALT | ASPHALT |
| GRAVEL | GRAVEL |
| WOOD | WOOD |
| IRON | IRON |
| COPPER | COPPER |
| STEEL | STEEL |
| ALUMINUM | ALUMINUM |
| BRASS | BRASS |
| LEAD | LEAD |
| ZINC | ZINC |
| NICKEL | NICKEL |
| CHROME | CHROME |
| MANGANESE | MANGANESE |
| PHOSPHORUS | PHOSPHORUS |
| POTASSIUM | POTASSIUM |
| SODIUM | SODIUM |
| CALCIUM | CALCIUM |
| MAGNESIUM | MAGNESIUM |

LEGEND

| EXISTING | PROPOSED |
|------------------|------------------|
| WOOD DOWNSPOUT | WOOD DOWNSPOUT |
| SMOOTH DOWNSPOUT | SMOOTH DOWNSPOUT |
| WATER MAIN | WATER MAIN |
| SEWER MAIN | SEWER MAIN |
| STORMWATER DRAIN | STORMWATER DRAIN |
| CONCRETE | CONCRETE |
| ASPHALT | ASPHALT |
| GRAVEL | GRAVEL |
| WOOD | WOOD |
| IRON | IRON |
| COPPER | COPPER |
| STEEL | STEEL |
| ALUMINUM | ALUMINUM |
| BRASS | BRASS |
| LEAD | LEAD |
| ZINC | ZINC |
| NICKEL | NICKEL |
| CHROME | CHROME |
| MANGANESE | MANGANESE |
| PHOSPHORUS | PHOSPHORUS |
| POTASSIUM | POTASSIUM |
| SODIUM | SODIUM |
| CALCIUM | CALCIUM |
| MAGNESIUM | MAGNESIUM |

NOTICE TO CONTRACTOR:

THE CONTRACTOR SHALL VERIFY THE ACCURACY OF ALL DATA AND INFORMATION PROVIDED TO THE CONTRACTOR BY THE ENGINEER AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS. THE CONTRACTOR SHALL MAINTAIN ALL RECORDS AND DRAWINGS FOR THE LIFE OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND FEATURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS TO ALL ADJACENT PROPERTIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL AREAS TO ORIGINAL OR BETTER CONDITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND FEATURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS TO ALL ADJACENT PROPERTIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL AREAS TO ORIGINAL OR BETTER CONDITION.

GRADING PLAN

**PRELIMINARY AND FINAL MAJOR SITE PLANS
MIXED-USE DEVELOPMENT
TAX LOT 44, BLOCK 213.01**

SITUATED IN
TOWNSHIP OF MARLBORO, MONMOUTH COUNTY, NEW JERSEY

MATRIXNEWORLD
Engineering Progress

Matrix New World Engineering, Land Surveying and Landscape Architecture, P.C.
442 State Route 35, Second Floor
Eatontown, New Jersey 07724
WBE / DBE www.matrixnewworld.com
NEW JERSEY CERTIFICATE OF AUTHORIZATION NO. 24G27962300

SEAN M. SAVAGE, P.E.
NEW JERSEY PROFESSIONAL ENGINEER
LICENSE NO. 24GE04451000

DESIGNED BY: CMG
 REVIEWED BY: CTR
 RELEASED BY: 1. REV PER CME REV LTR DTD 03/13/20, FIRE BUREAU REV 06/01/20
 LTR DTD 03/02/20 & TRAFFIC SAFETY LTR DTD 02/05/20

| NO. | DESCRIPTION | DATE | DES. | REV. | REL. |
|-----|--|------|------|------|------|
| 1 | REV PER CME REV LTR DTD 03/13/20, FIRE BUREAU REV 06/01/20 | | | | |
| 2 | LTR DTD 03/02/20 & TRAFFIC SAFETY LTR DTD 02/05/20 | | | | |

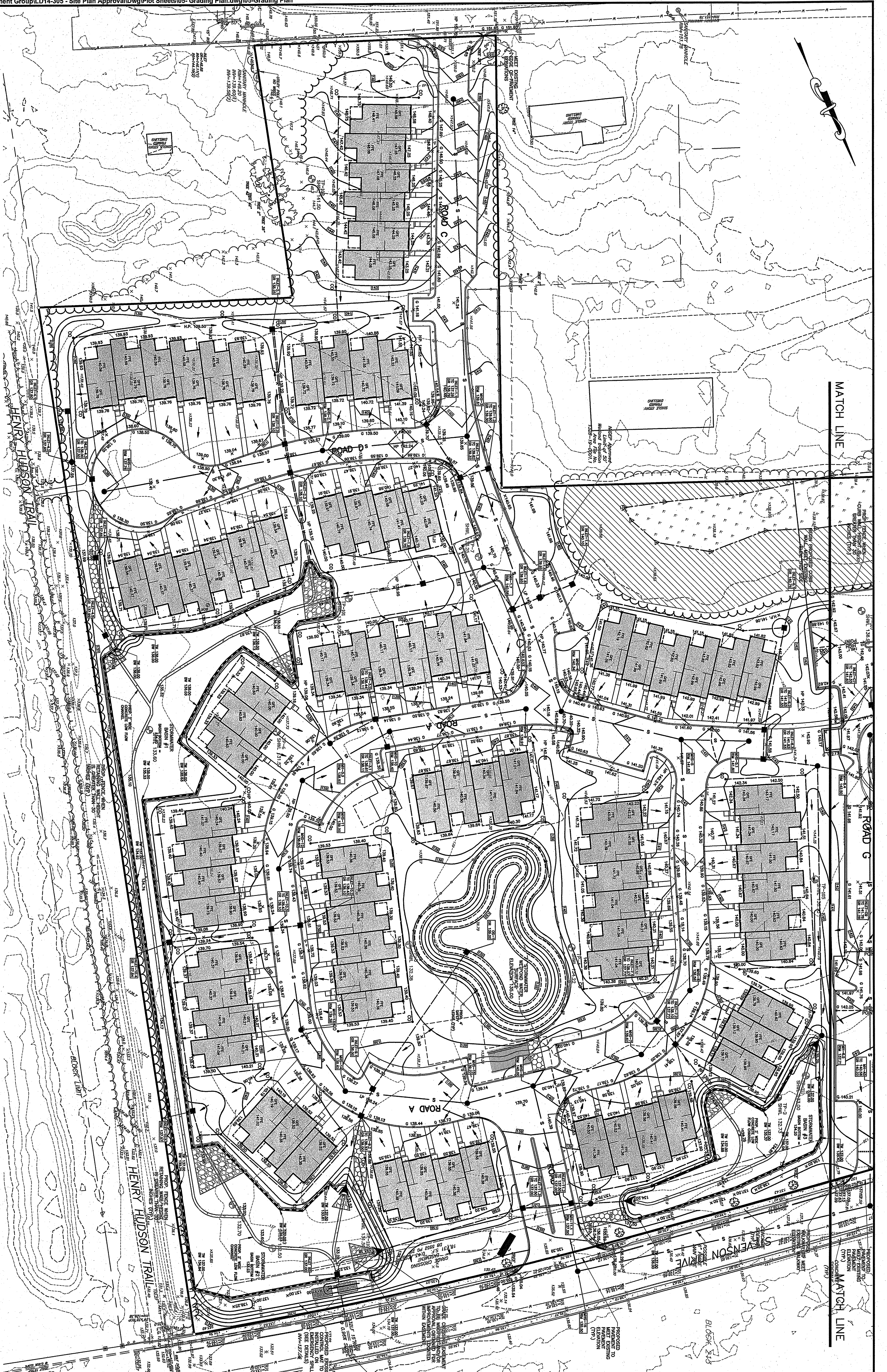
DATE: 6/1/2020

SCALE: 1"=30'

PROJECT NUMBER: LD14-305

DATE: 01/22/2020

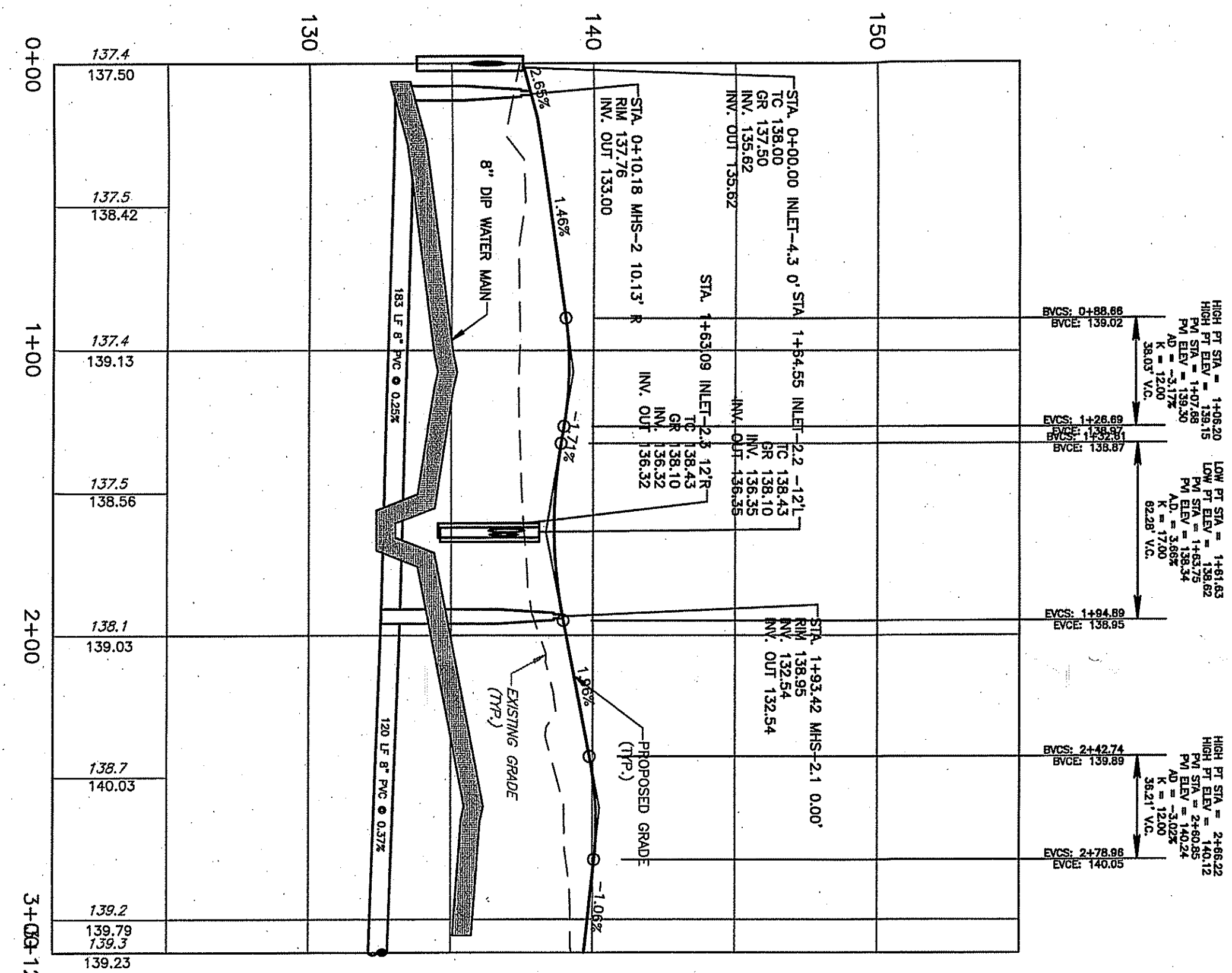
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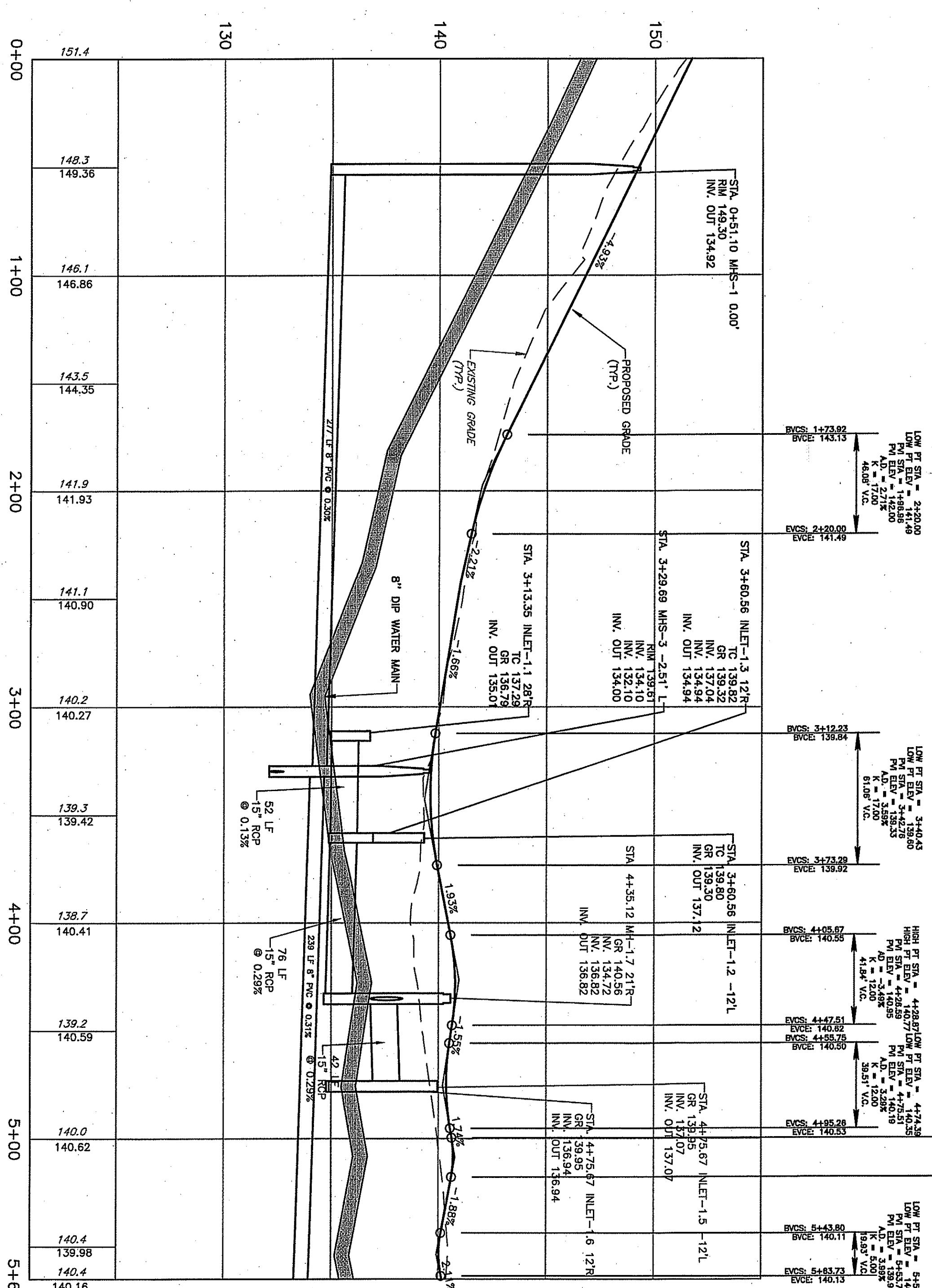
ATTENTION OF THE CONTRACTOR IS DIRECTED TO THE FACT THAT THE APPROXIMATE LOCATIONS OF KNOWN UTILITIES AND FACILITIES HAVE BEEN SHOWN ON THE PLANS. THE ACCURACY AND COMPLETENESS OF THIS INFORMATION IS NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES AND FACILITIES IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND DEPTH OF ALL UTILITIES AND FACILITIES IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND DEPTH OF ALL UTILITIES AND FACILITIES IN THE FIELD.

NOTICE TO CONTRACTOR

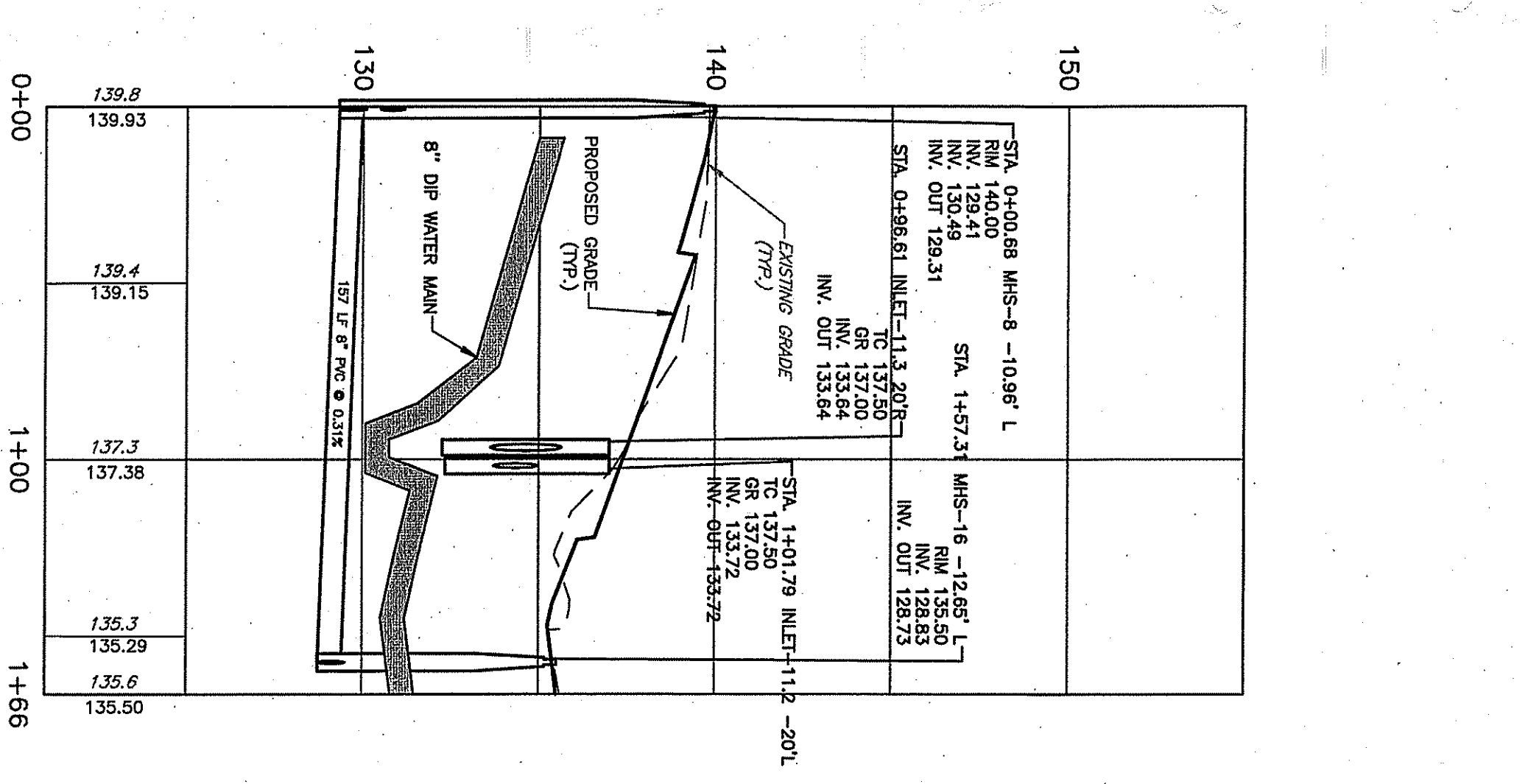
ROAD D



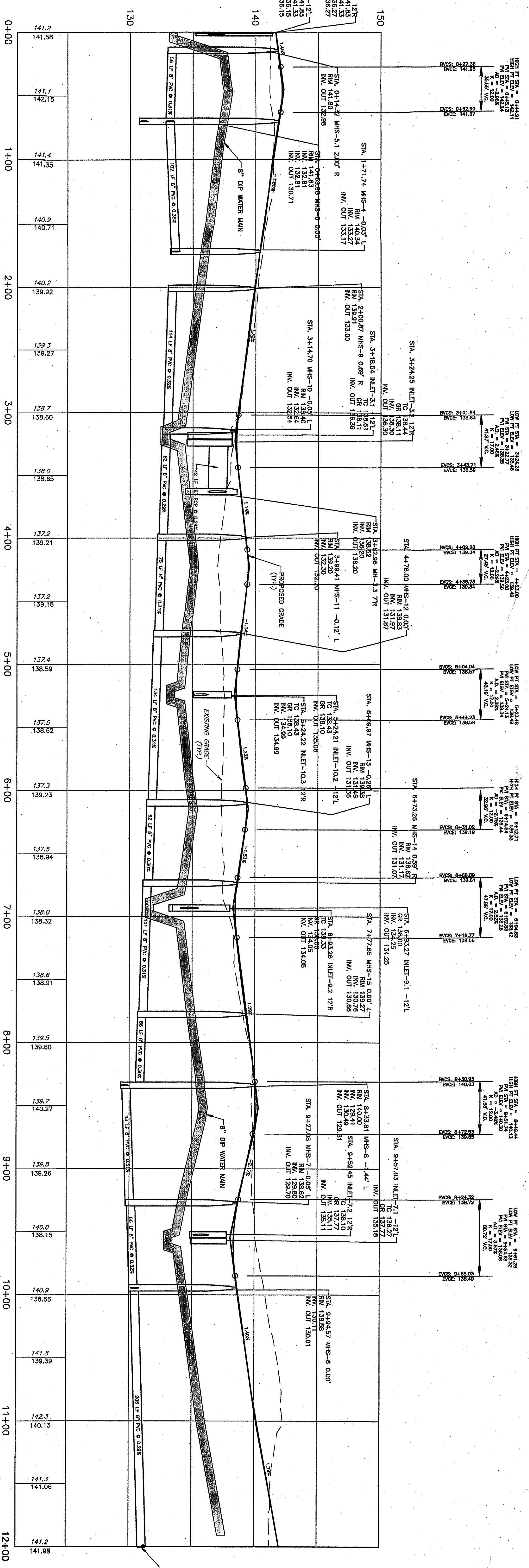
ROAD C TO LOOP ROAD



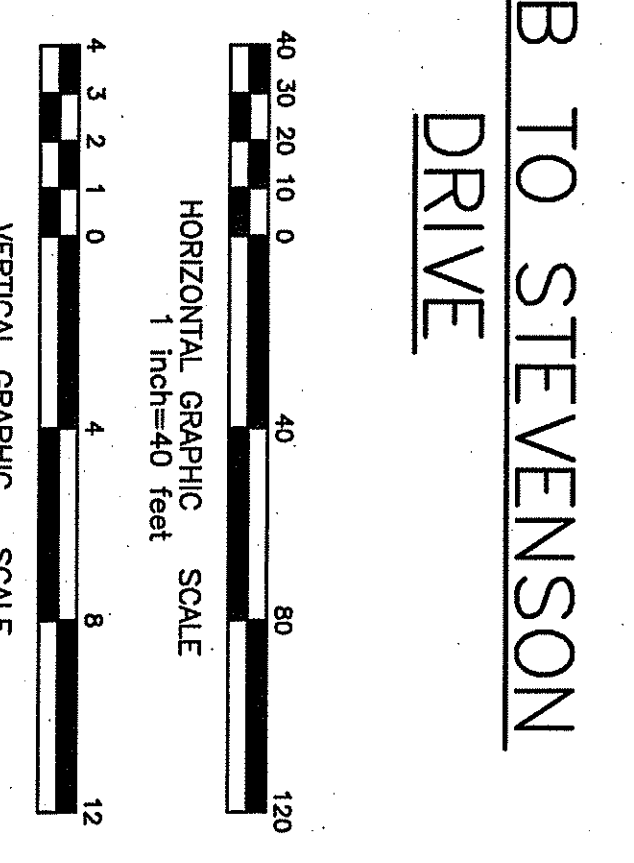
ROAD B TO STEVENSON DRIVE



LOOP ROAD



GENERAL NOTES
 1. ALL METERS ALONG CURB LINES ARE TO BE TYPE B INLETS. ALL OTHER INLETS LOCATED IN PAVEMENT AREAS AND OPEN LANE AREAS ARE TO BE TYPE A INLETS UNLESS OTHERWISE INDICATED.



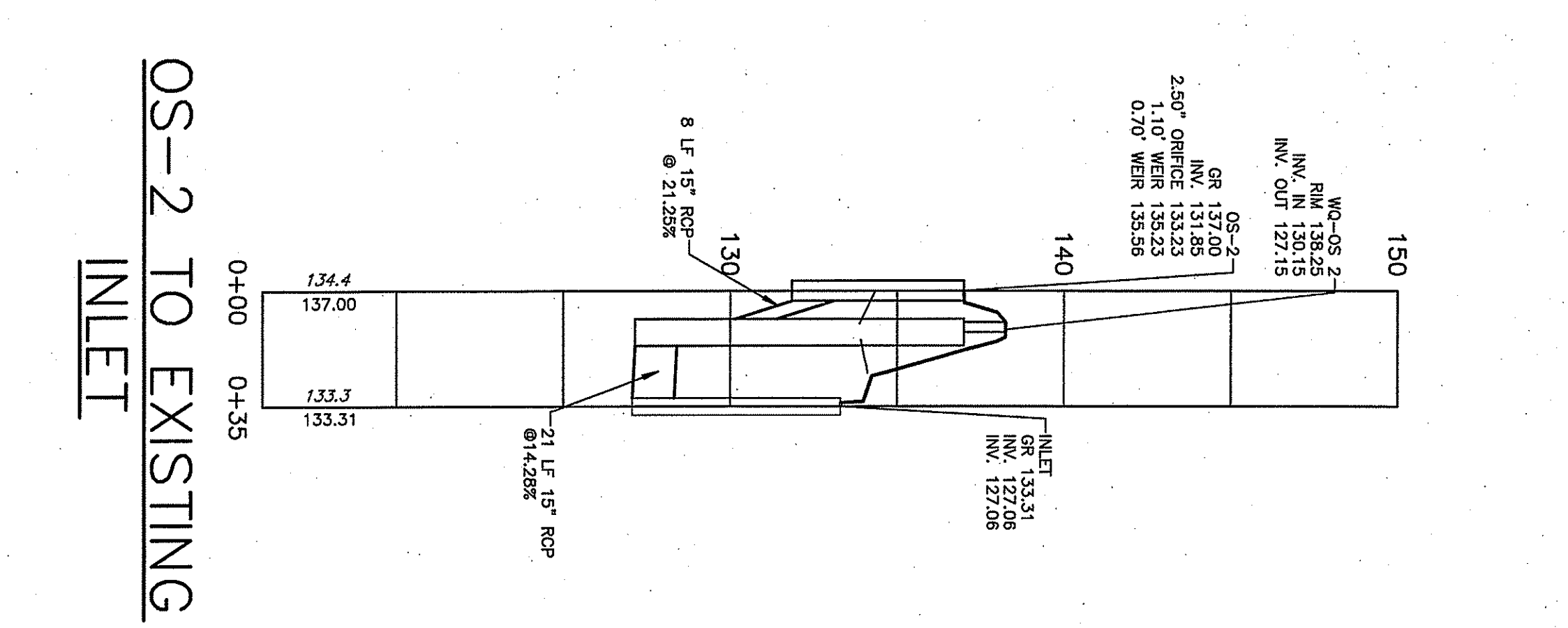
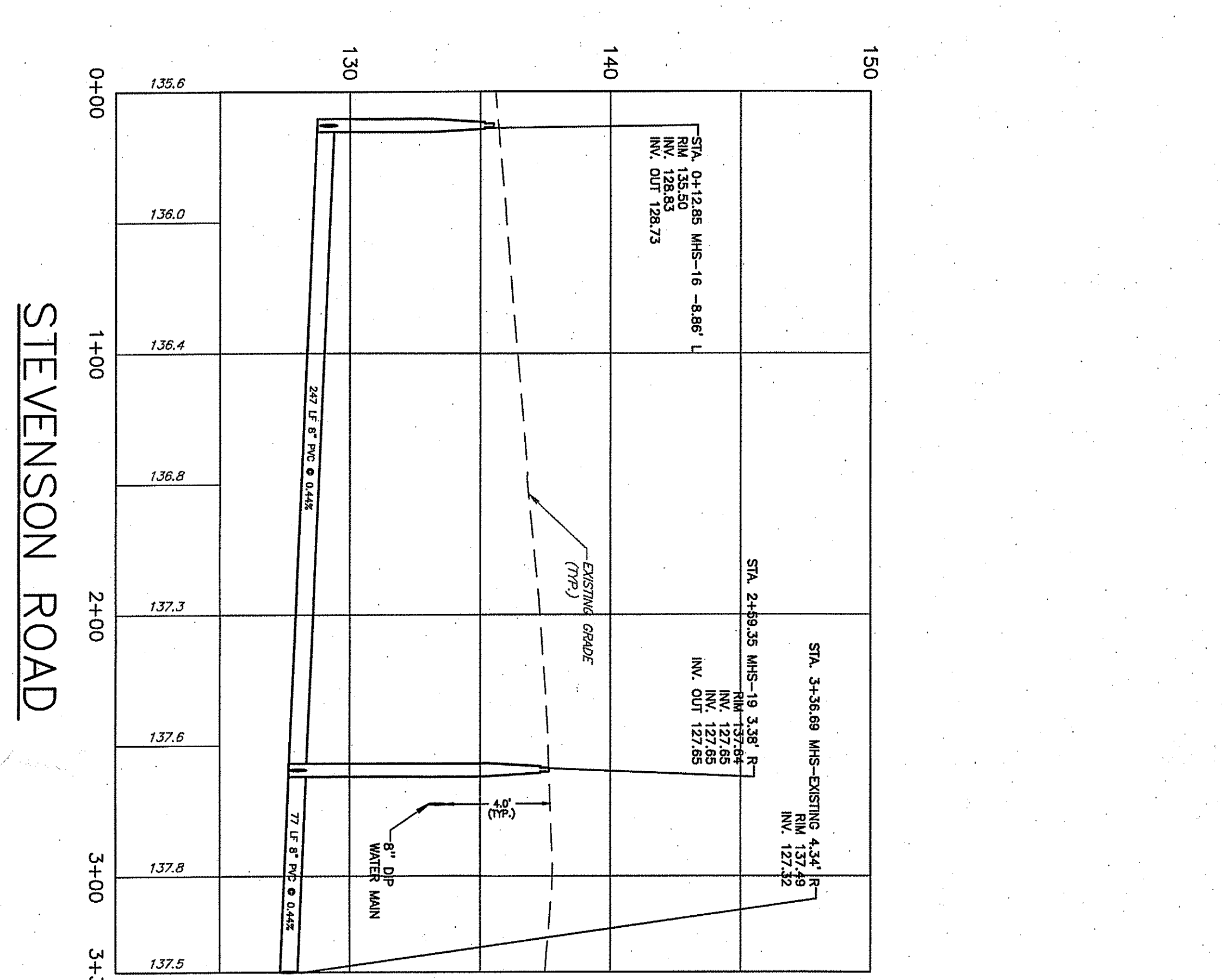
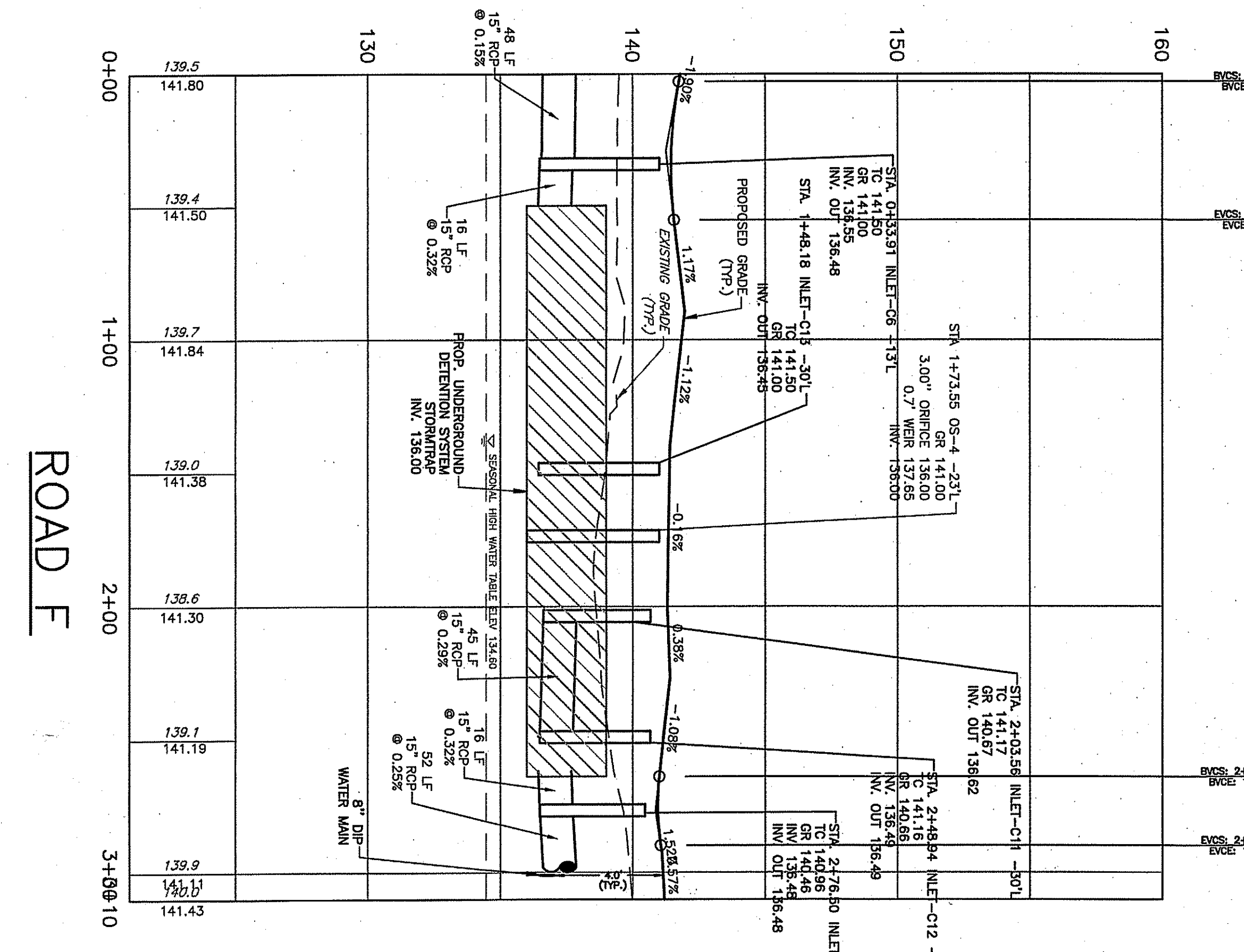
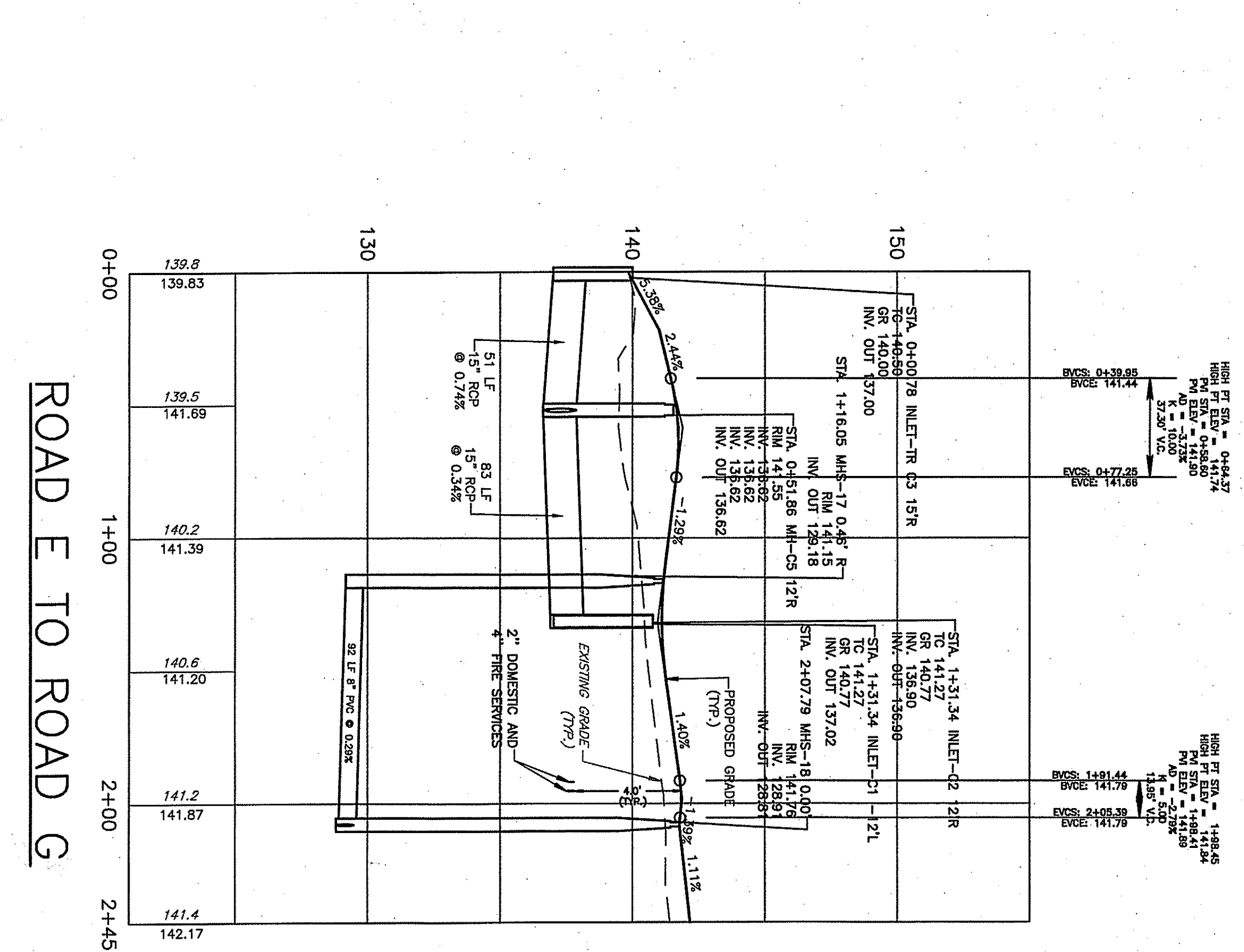
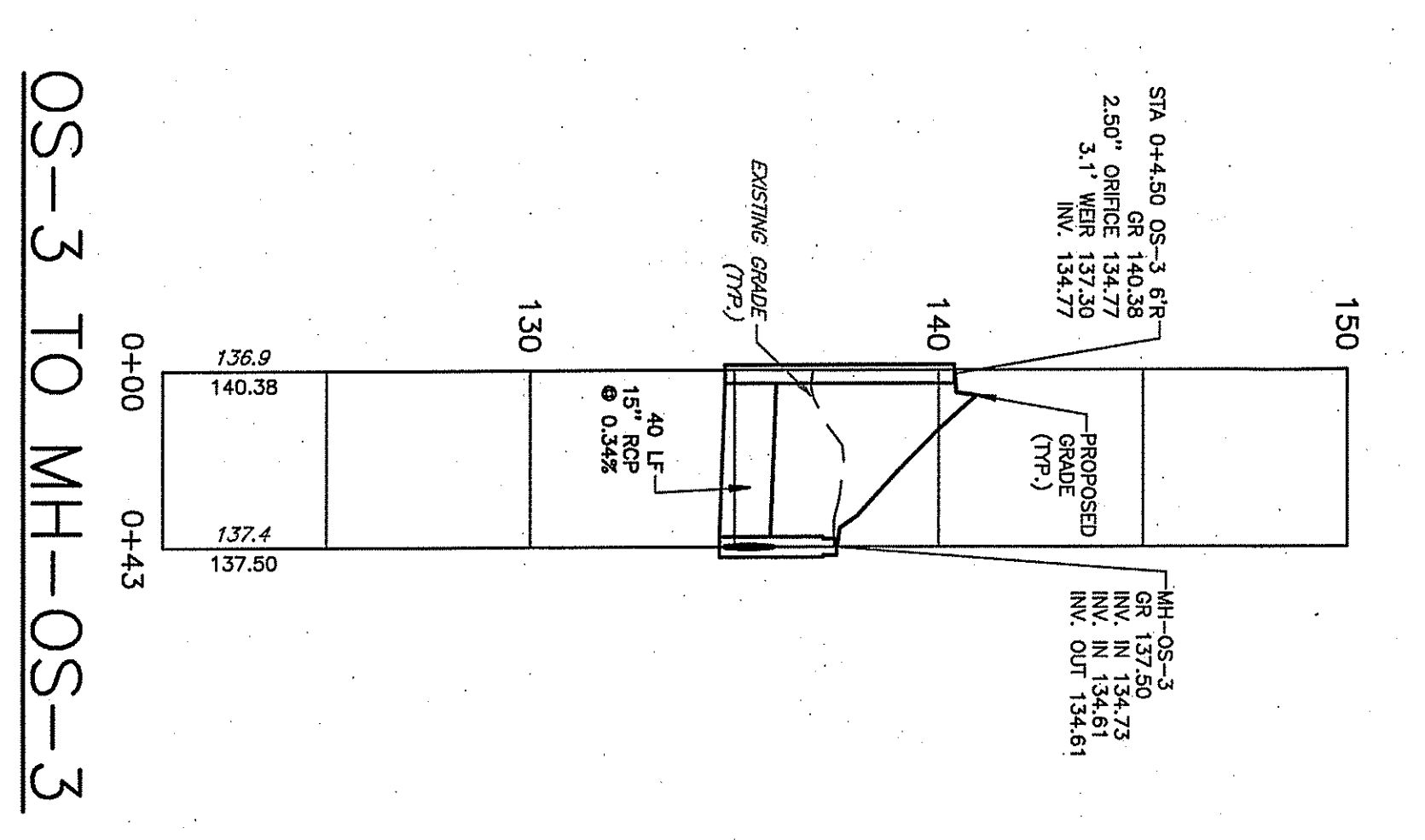
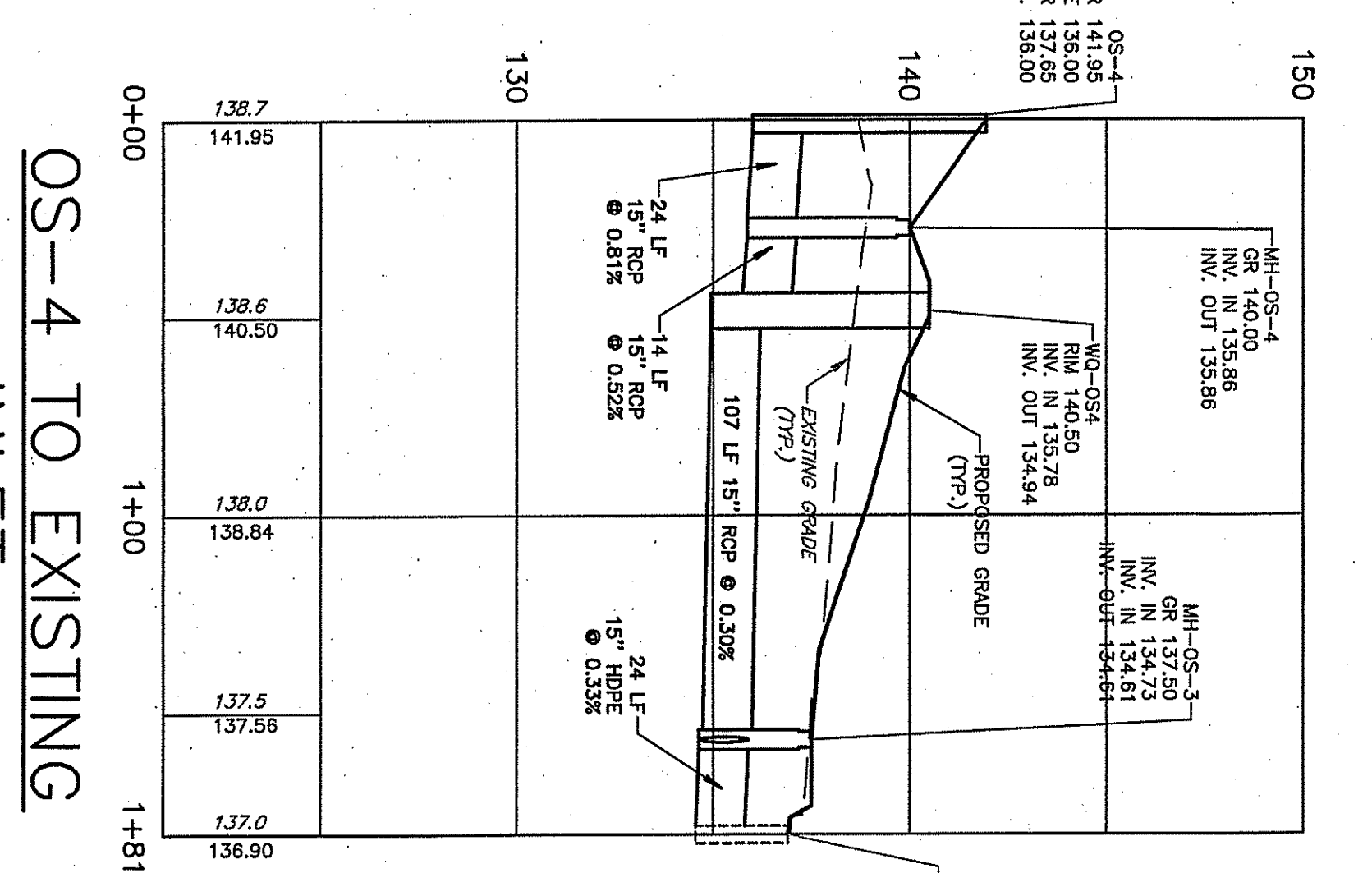
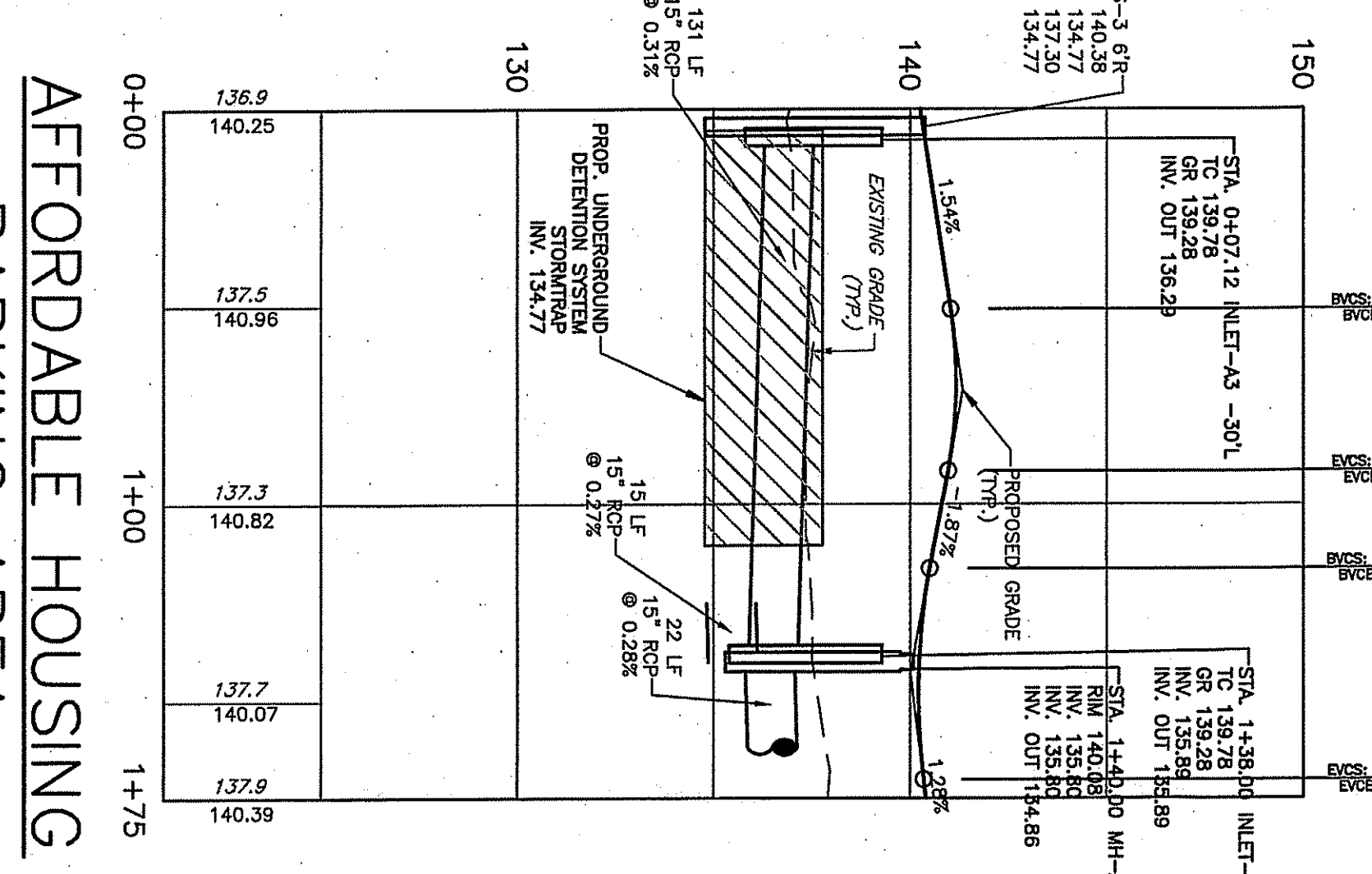
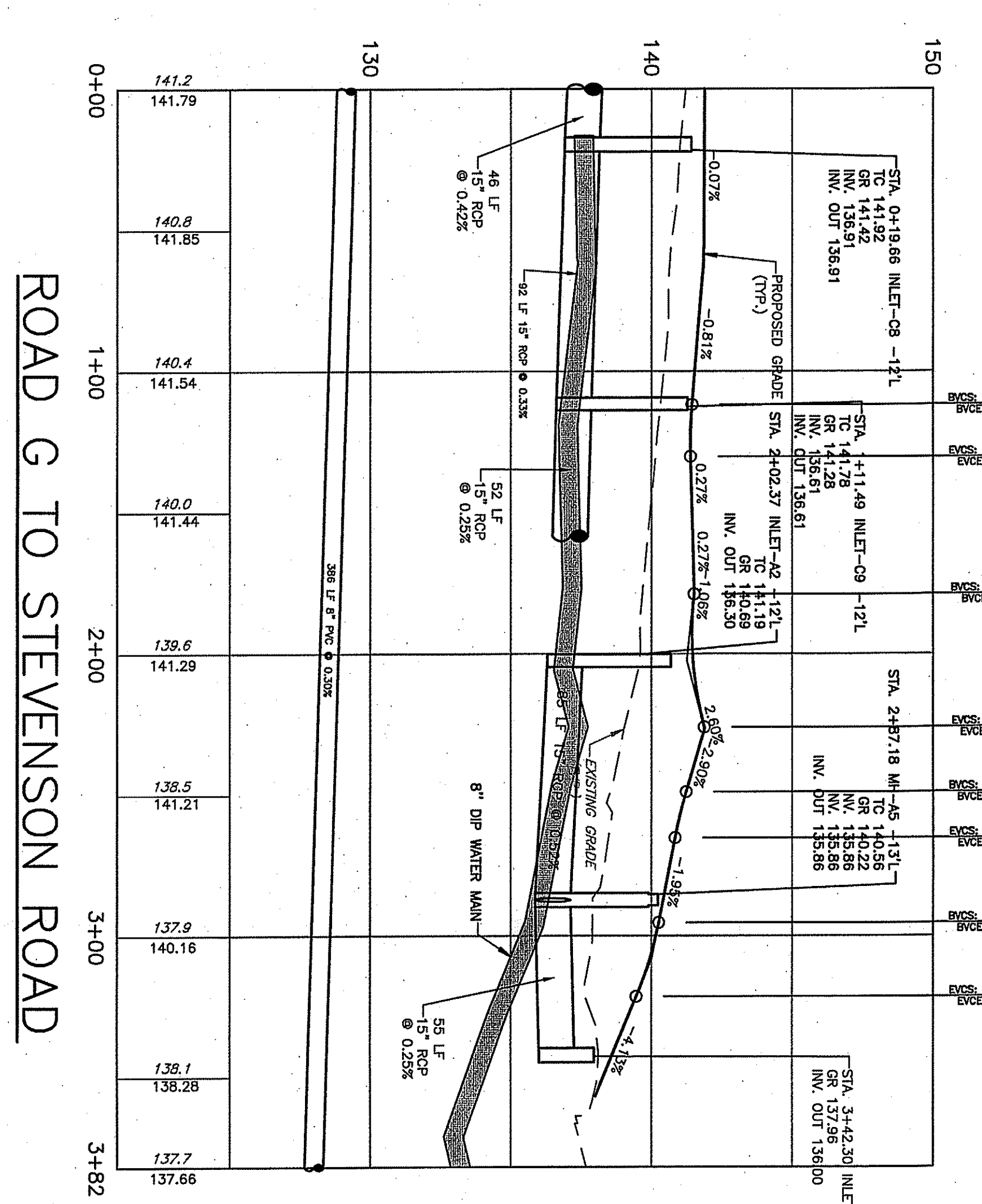
PROFILES
 PRELIMINARY AND FINAL MAJOR SITE PLANS
 MIXED-USE DEVELOPMENT
 TAX LOT 44, BLOCK 213.01
 SITUATED IN
 TOWNSHIP OF MARLBORO, MONMOUTH COUNTY, NEW JERSEY

MATRIXNEWORLD
 Engineering Progress
 Matrix New World Engineering, Land Surveying
 and Landscape Architecture, P.C.
 442 State Route 35, Second Floor
 Eatontown, New Jersey 07724
 WBE / DBE
 NEW JERSEY CERTIFICATE OF AUTHORIZATION NO. 24GA2786200

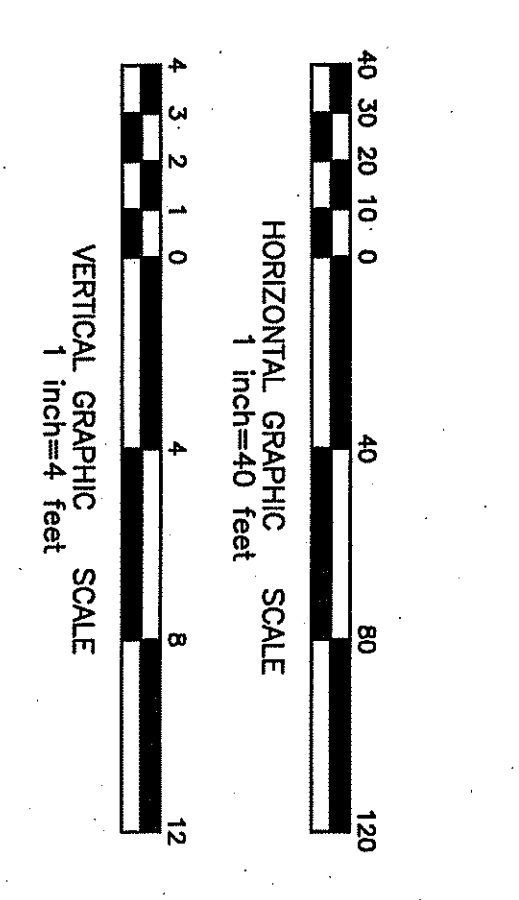
SEAN M. SAVAGE, P.E.
 NEW JERSEY PROFESSIONAL ENGINEER
 LICENSE NO. 24GE04451000
 6/1/2020
 DATE

| DESIGNED BY: | CMG |
|--------------|--|
| REVIEWED BY: | CTR |
| RELEASED BY: | SMS |
| 1. | REV PER CME REV LTR DTD 03/13/20, FIRE BUREAU REV LTR DTD 03/09/20 & TRAFFIC SAFETY LTR DTD 02/06/20 |
| NO. | DESCRIPTION |
| DATE | DES. |
| REV. | REL. |

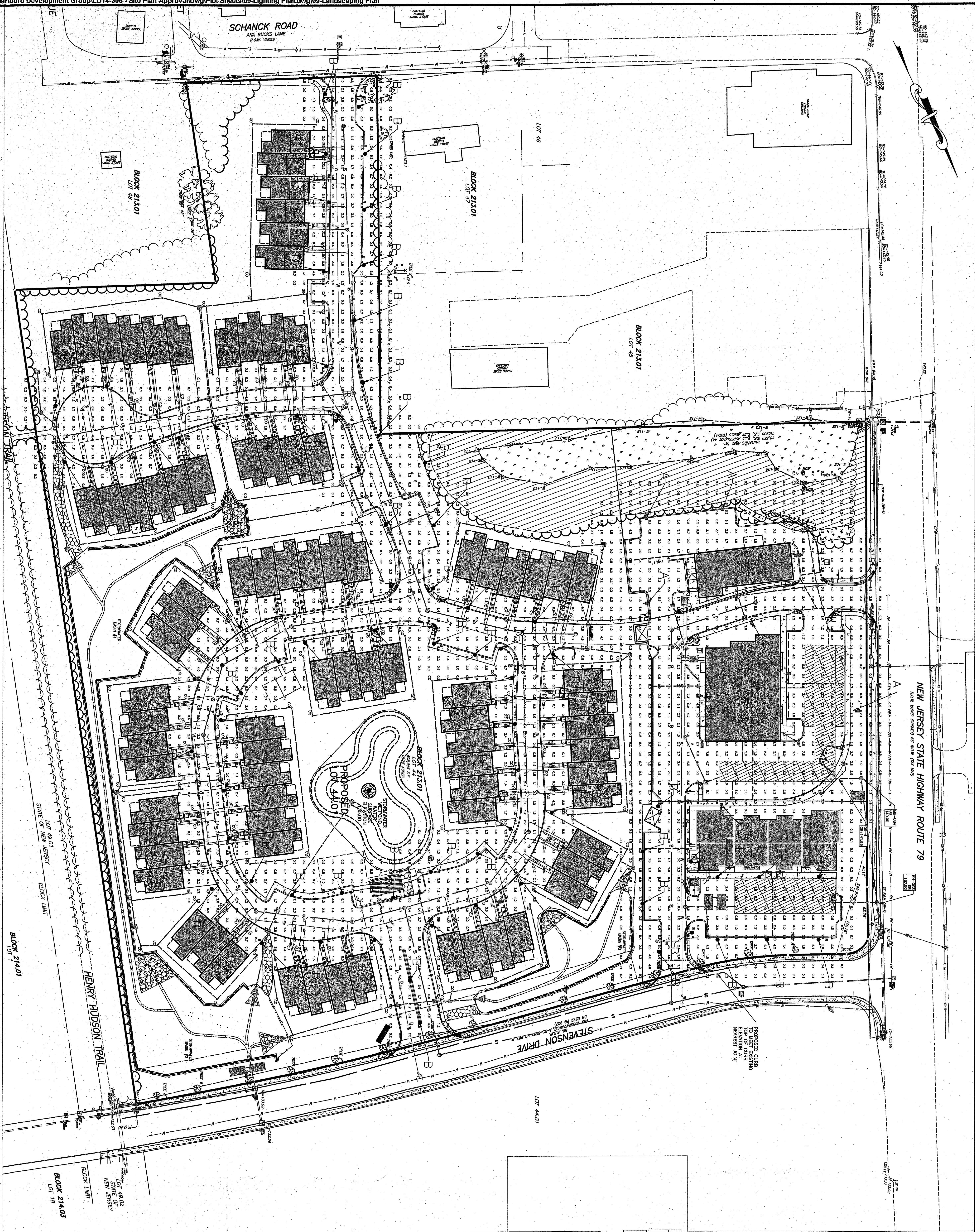
NOTICE TO CONTRACTOR
 ATTENTION OF THE CONTRACTOR IS DIRECTED TO THE FOLLOWING: THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES AND ADJUST THE LIMITS OF WORK AREA ACCORDINGLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.



GENERAL NOTES
 1. ALL INLETS ALONG CURB LINES ARE TO BE TYPE B INLETS. ALL OTHER INLETS LOCATED IN PAVEMENT AREAS AND OPEN LANE AREAS ARE TO BE TYPE A INLETS UNLESS OTHERWISE INDICATED.



| | | | | | |
|---|--|--|---------------------|---------------------|---------------------|
| <p>PROFILES</p> <p>PRELIMINARY AND FINAL MAJOR SITE PLANS MIXED-USE DEVELOPMENT TAX LOT 44, BLOCK 213.01</p> <p>SITUATED IN TOWNSHIP OF MARLBORO, MONMOUTH COUNTY, NEW JERSEY</p> | <p>MATRIXNEWORLD Engineering Progress</p> <p>Matrix New World Engineering, Land Surveying and Landscape Architecture, P.C. 442 State Route 35, Second Floor Eatontown, New Jersey 07724 WBE / DBE www.matrixnewworld.com</p> | <p>SEAN M. SAVAGE, P.E. NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. 24GE04481000</p> | DESIGNED BY: CMG | REVIEWED BY: CTR | RELEASED BY: SMS |
| | | | NO. | DESCRIPTION | DATE |

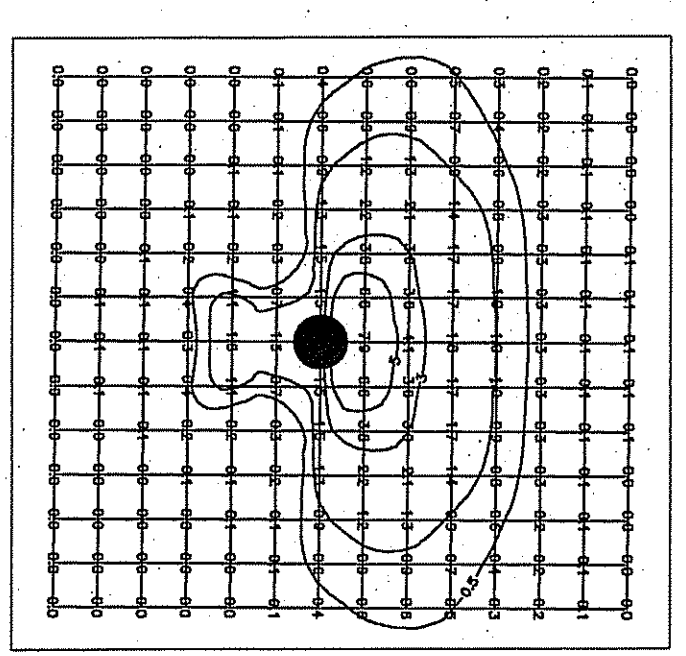


- NOTES: PROJECT CONSISTS OF 65 RESIDENTIAL, TOWNHOMES 2 COMMERCIAL BUILDING (21,111 SQ. FT.)
1. APPROXIMATE MOBILE HOME (12,240 SQ. FT. SERVICE PARKING) AND ASSOCIATED INFRASTRUCTURE.
 2. PROJECT BOUNDARY AND DESIGNATED AS TAX MAP LOT 44, BLOCK 213.01, AS SHOWN ON THE CURRENT TAX MAP.
 3. BOUNDARY AND APPROXIMATE INFORMATION BASED FROM A SURVEY DATED BOUNDARY & APPROXIMATE INFORMATION BASED FROM A SURVEY DATED 07/25/19.
 4. TAX LOT 44, BLOCK 213.01, SITUATED IN TOWNSHIP OF MARLBORO, MONMOUTH COUNTY, NEW JERSEY.
 5. HORIZONTAL DIVISION - 100' AND VERTICAL DIVISION 100'.
 6. THE CONTRACTOR SHALL PERFORM ALL WORK IN A FINISHED AND WORKMANLIKE MANNER TO THE ENTIRE SATISFACTION OF THE OWNER AND IN ACCORDANCE WITH THE BEST RECOGNIZED TRADE PRACTICES.
 7. SMALL DISTURBANCE OF TREES IN ACCORDANCE WITH ANY LOCAL, STATE OR FEDERAL REGULATIONS.
 8. ANY DAMAGE TO PUBLIC UTILITIES, CABLES, SEWERLINES AND UTILITIES AS A RESULT OF SITE PREPARATION SHALL BE REPAIRED BY THE CONTRACTOR.
 9. SEE ARCHITECT'S PLANS FOR BUILDING ELEVATIONS AND FLOOR PLANS.
 10. ALL PARKING AREAS AND APPLICABLE PASSENGERS AND DRIVERS SERVICE COMMERCIAL USES SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 220-27.
 11. APPROXIMATE SHEDDING SHALL BE PROVIDED BY COMMERCIAL USERS TO PROTECT ADJACENT RESIDENTIAL PROPERTIES FROM OVERHEAD POWER LINES AND FROM THE RISK OF ACCIDENTAL DISCHARGES.
 12. APPROXIMATE SHEDDING SHALL BE PROVIDED BY COMMERCIAL USERS TO PROTECT ADJACENT RESIDENTIAL PROPERTIES FROM OVERHEAD POWER LINES AND FROM THE RISK OF ACCIDENTAL DISCHARGES.
 13. THE CONTRACTOR SHALL PERFORM ALL WORK IN A FINISHED AND WORKMANLIKE MANNER TO THE ENTIRE SATISFACTION OF THE OWNER AND IN ACCORDANCE WITH SECTION 220-27.

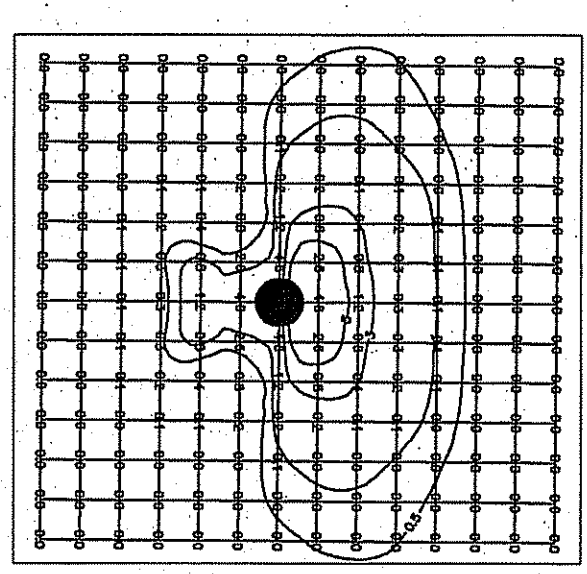
LUMINAIRE SCHEDULE

| Symbol Label | Quantity | Height | Description |
|--------------|----------|--------|--------------------------|
| A | 13 | 20FT. | ES-100-LED-MI-III |
| B | 78 | 15FT. | UF-53-LED-MI-7-A-V-IP-PI |

Target Point Set
 3162 points
 Average 174.0 FOOTCANDLES
 Minimum 10.1
 Maximum 101.5
 Max:Min 10:1.00
 Coef Var 1.04



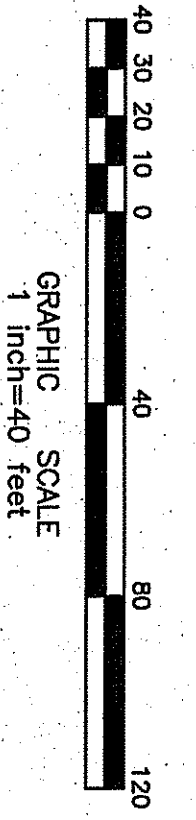
LIGHTING FIXTURE "A" ISOLUX PATTERN



LIGHTING FIXTURE "B" ISOLUX PATTERN

NOTICE TO CONTRACTOR

APPROVAL OF THE CONTRACTOR SHALL BE OBTAINED FROM THE ARCHITECT AND THE ENGINEER BEFORE THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.



LIGHTING PLAN

PRELIMINARY AND FINAL MAJOR SITE PLANS MIXED-USE DEVELOPMENT TAX LOT 44, BLOCK 213.01

SITUATED IN TOWNSHIP OF MARLBORO, MONMOUTH COUNTY, NEW JERSEY

PROJECT NUMBER: LD-4308
 DATE: 01/22/2020
 SCALE: 1"=40'

SHEET 13 OF 22

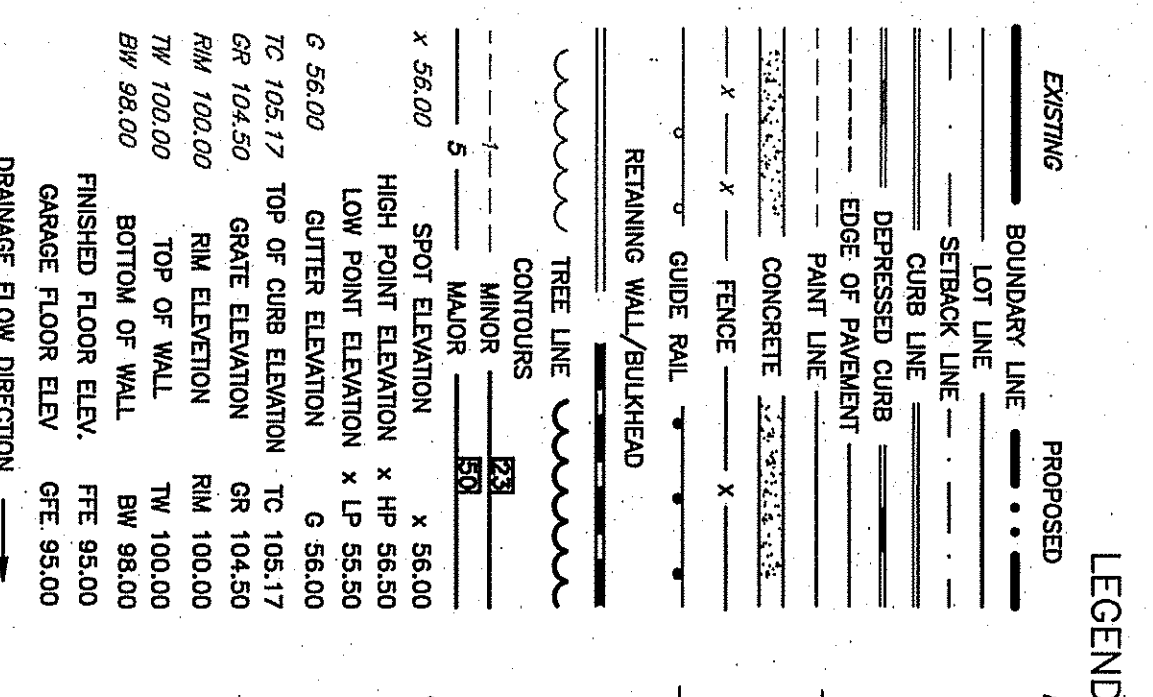
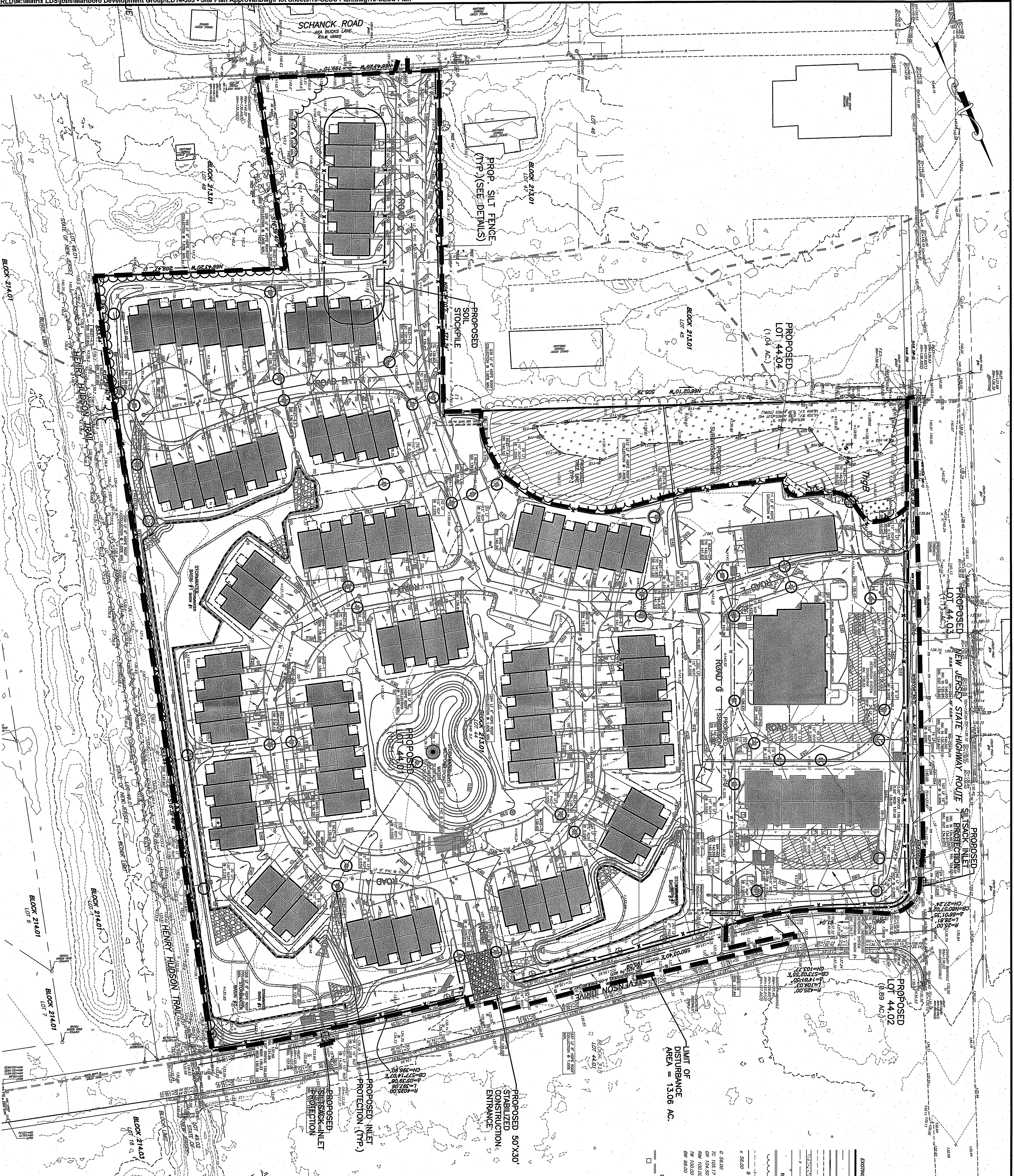
MATRIXNEWORLD
 Engineering Progress

Matrix New World Engineering, Land Surveying and Landscape Architecture, P.C.
 442 State Route 35, Second Floor
 Eatontown, New Jersey 07724
 WBE / DBE
 Tel: 732-688-2999
 Fax: 973-240-1818
 www.matrixnewworld.com
 NEW JERSEY CERTIFICATE OF AUTHORIZATION NO. 24G27982300

SEAN M. SAVAGE, P.E.
 NEW JERSEY PROFESSIONAL ENGINEER
 LICENSE NO. 24G64451000

Signature
 DATE

| DESIGNED BY: | CMG | | | | |
|---|-------------|------|------|------|------|
| REVIEWED BY: | CTR | | | | |
| RELEASED BY: | SMS | | | | |
| 1. REV PER CME REV LTR DTD 03/13/20, FIRE BUREAU WORK | 08/01/20 | | | | |
| LTR DTD 03/02/20 & TRAFFIC SAFETY LTR DTD 02/05/20 | | | | | |
| NO. | DESCRIPTION | DATE | DES. | REV. | REL. |
| | | | | | |



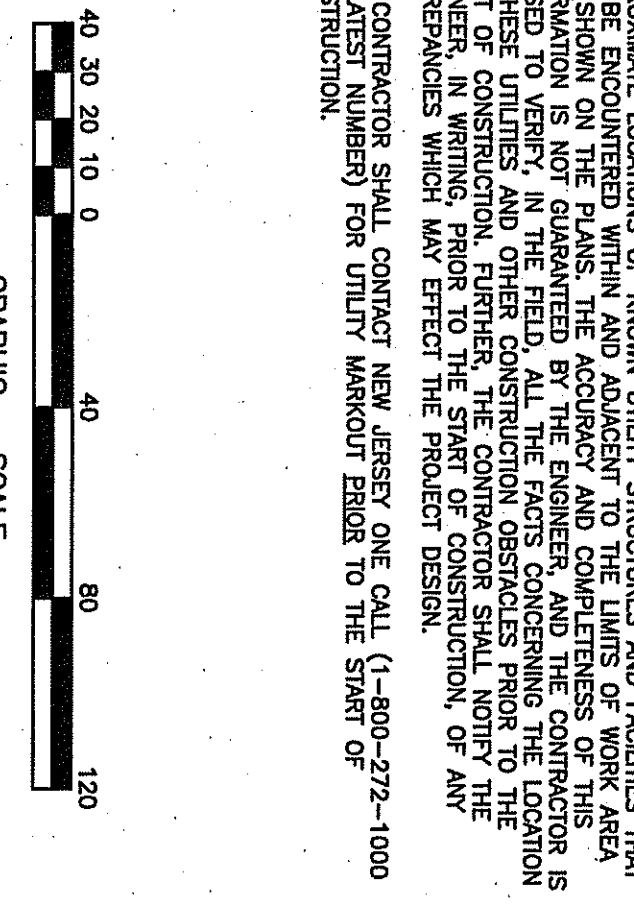
CONSTRUCTION NOTE
 THIS PLAN IS FOR SOIL EROSION AND SEDIMENT CONTROL MEASURES ONLY. THIS PLAN IS NOT TO BE USED FOR SITE CONSTRUCTION.

SPPP NOTE
 THIS PLAN WAS PREPARED TO ADDRESS THE SOIL EROSION AND SEDIMENT CONTROL COMPONENT OF THE STORMWATER POLLUTION PREVENTION PLAN (SPPP) AT THE TIME OF GENERAL STORMWATER PERMITS OF DISBURSAL AND TO BE THE RESPONSIBILITY OF THE DEVELOPER AND/OR THE

- SOIL EROSION AND SEDIMENT CONTROL NOTES**
- PROJECT KNOW AND DESIGNATED AS TAX MAP LOT 44, BLOCK 213.01. AS SHOWN ON THE CURRENT TAX ASSESSMENT MAPS OF THE TOWNSHIP OF MARLBORO AND TOPOGRAPHIC INFORMATION BASED UPON A SURVEY DATED IN MARLBORO TOWNSHIP, NEW JERSEY, PREPARED BY MATRIX NEWORLD, INC. ON 04/25/19.
 - ADDITIONAL OFF-SITE TOPOGRAPHY AND FEATURES OBTAINED FROM NOAA LIARS INTERPOLATION PLANS, TAX LOT 44, BLOCK 213.01, SITUATED IN TOWNSHIP OF MARLBORO, NEW JERSEY, DATED 04/25/19, LAST REVISION 07/16/19.
 - ADDITIONAL OFF-SITE TOPOGRAPHY AND FEATURES OBTAINED FROM NOAA LIARS INTERPOLATION PLANS, TAX LOT 44, BLOCK 213.01, SITUATED IN TOWNSHIP OF MARLBORO, NEW JERSEY, DATED 04/25/19, LAST REVISION 07/16/19.
 - ADDITIONAL OFF-SITE TOPOGRAPHY AND FEATURES OBTAINED FROM NOAA LIARS INTERPOLATION PLANS, TAX LOT 44, BLOCK 213.01, SITUATED IN TOWNSHIP OF MARLBORO, NEW JERSEY, DATED 04/25/19, LAST REVISION 07/16/19.
 - ADDITIONAL OFF-SITE TOPOGRAPHY AND FEATURES OBTAINED FROM NOAA LIARS INTERPOLATION PLANS, TAX LOT 44, BLOCK 213.01, SITUATED IN TOWNSHIP OF MARLBORO, NEW JERSEY, DATED 04/25/19, LAST REVISION 07/16/19.
 - HORIZONTAL DATUM - NAD 1983 AND VERTICAL DATUM NAVD 1988.
 - ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPROVED SITE PLAN. A MINIMUM OF 1 TRACKING PILE MUST BE IN OPERATION AT ALL TIMES.
 - ADDITIONAL TRACKING PILES, CONFORMING TO SESC STANDARDS MAY BE ADDED AT THE DISCRETION OF THE ENGINEER.
 - SOIL STOCKPILES TO BE PLACED AS REQUIRED WITHIN THE PROJECT SITE AND IN ACCORDANCE WITH THE SOIL EROSION AND SEDIMENT CONTROL DETAILS.
 - SILT FENCES TO BE PLACED AROUND THE PERIMETER OF THE STOCKPILES AND TO BE MAINTAINED THROUGHOUT CONSTRUCTION.
 - CONTRIBUTORS MUST CALL THE NEW JERSEY ONE CALL SYSTEM (800-272-1000) IN ACCORDANCE WITH THE UNDERGROUND FACILITIES CONTROL ACT (NJ-A10) PRIOR TO ANY SUBSURFACE ACTIVITY ON THE TRACTING PILE.
 - THIS PLAN PREPARED TO ADDRESS EROSION AND SEDIMENT CONTROL COMPONENT OF THE STORMWATER POLLUTION PREVENTION PLAN (SPPP) AT THE TIME OF PERMITS OF DISBURSAL AND TO BE THE RESPONSIBILITY OF THE DEVELOPER AND/OR THE CONTRACTOR.
 - THIS PLAN IS FOR SOIL EROSION AND SEDIMENT CONTROL MEASURES ONLY. THIS PLAN IS NOT TO BE USED FOR SITE CONSTRUCTION.

NOTICE TO CONTRACTOR

ATTENTION OF THE CONTRACTOR IS DIRECTED TO THE FACT THAT THE APPROXIMATE LOCATIONS OF KNOWN UTILITY STRUCTURES AND FEATURES ARE SHOWN ON THE PLANS. THE ACCURACY AND COMPLETENESS OF THE INFORMATION IS NOT GUARANTEED BY THE ENGINEER, AND THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CONTACT NEW JERSEY ONE CALL (1-800-272-1000) PRIOR TO ANY SUBSURFACE ACTIVITY ON THE TRACTING PILE.



| NO. | DESCRIPTION | DATE | DES. | REV. | REL. |
|-----|--|----------|------|------|------|
| 1. | REV PER CME REV LTR DTD 03/13/20, FIRE BUREAU REV LTR DTD 03/09/20 & TRAFFIC SAFETY LTR DTD 02/06/20 | 00/01/20 | NM | SM | SS |

SEAN M. SAVAGE, P.E.
 NEW JERSEY PROFESSIONAL ENGINEER
 LICENSE NO. 24GE04451000

6/1/2020
 DATE

MATRIXNEWORLD
 Engineering Progress

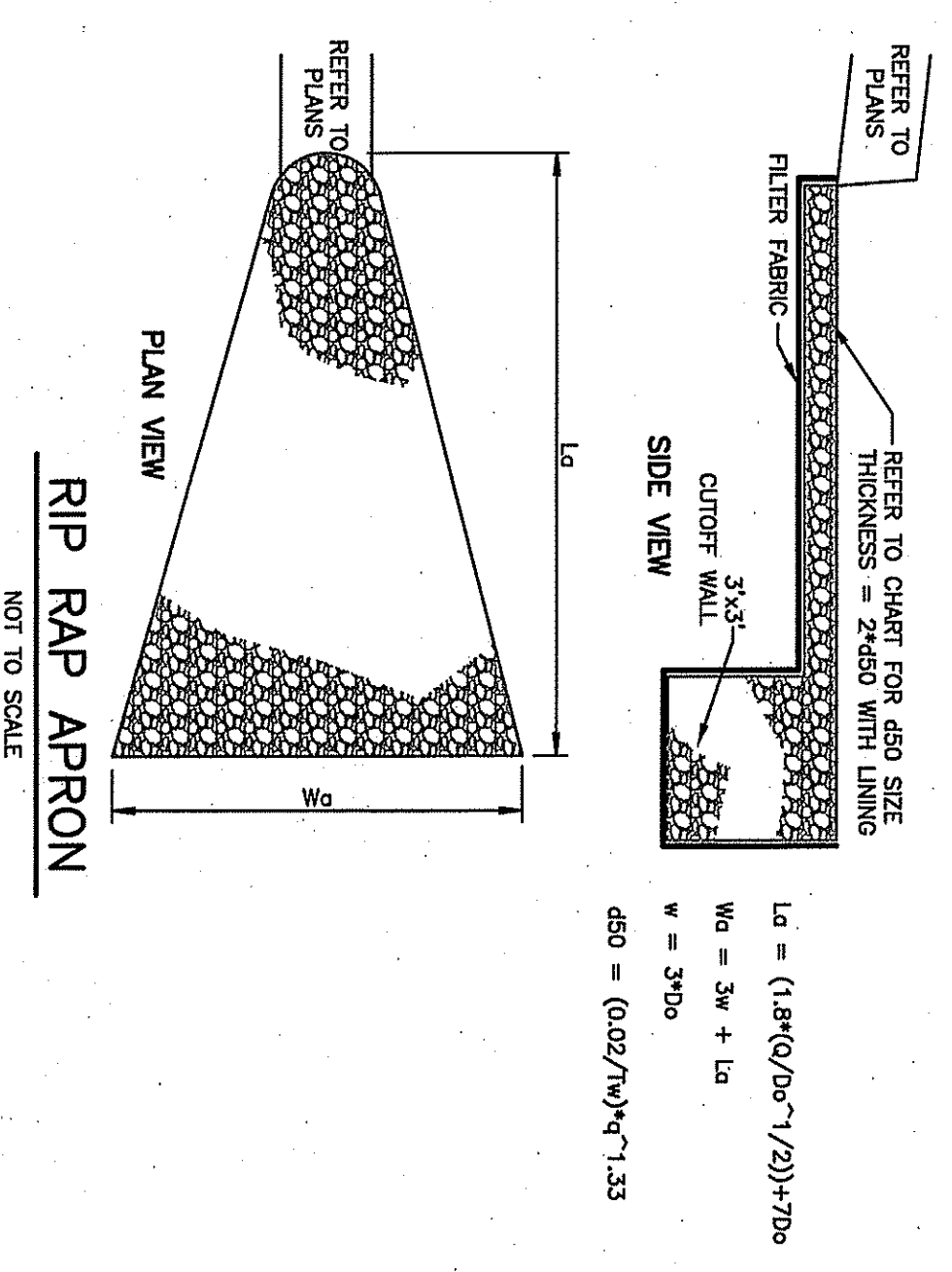
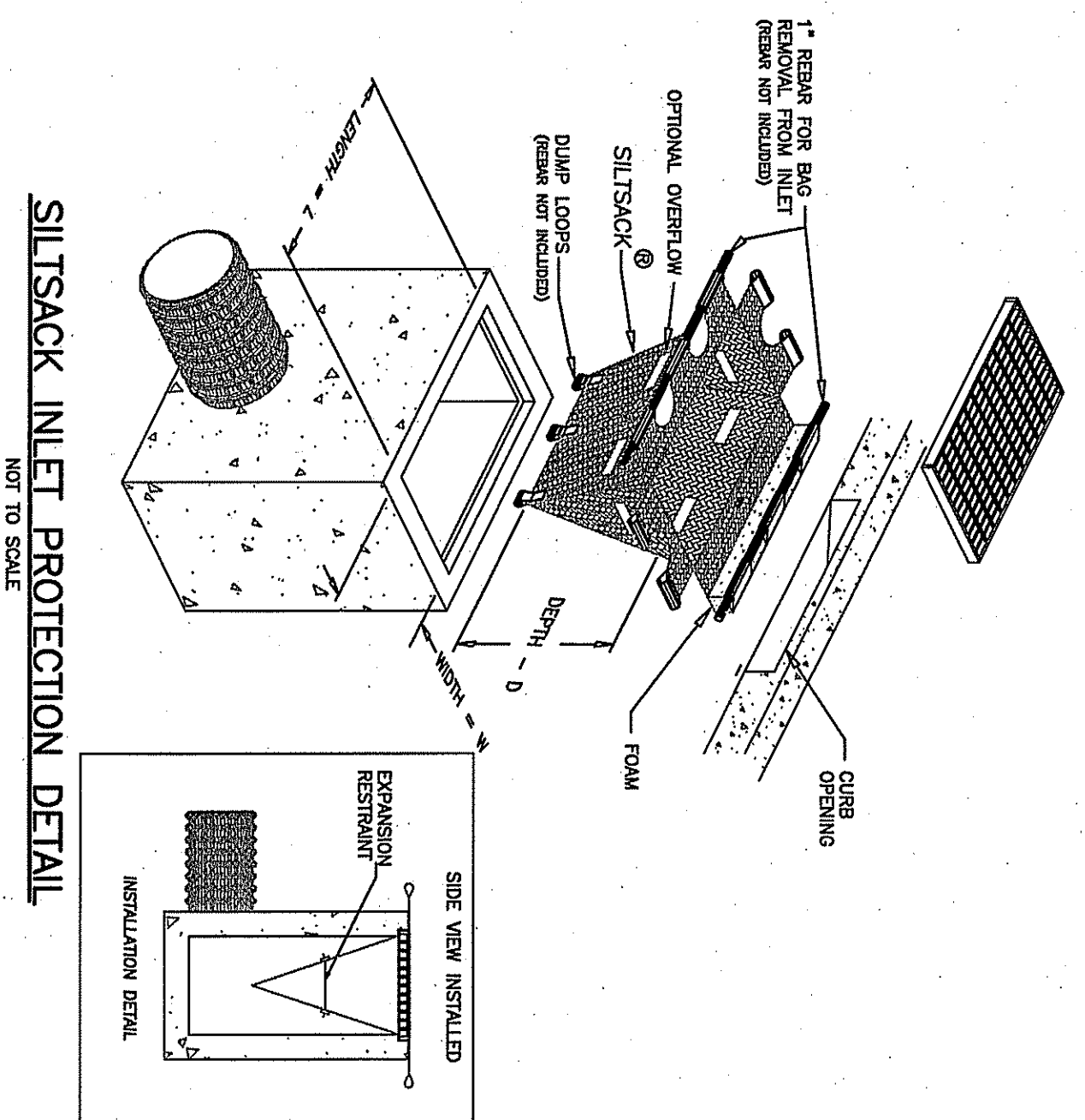
Matrix New World Engineering, Land Surveying and Landscape Architecture, P.C.
 442 State Route 35, Second Floor
 Eatontown, New Jersey 07724
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 www.matrixnewworld.com
 NEW JERSEY CERTIFICATE OF AUTHORIZATION No. 24GA27982300

SOIL EROSION & SEDIMENT CONTROL PLAN

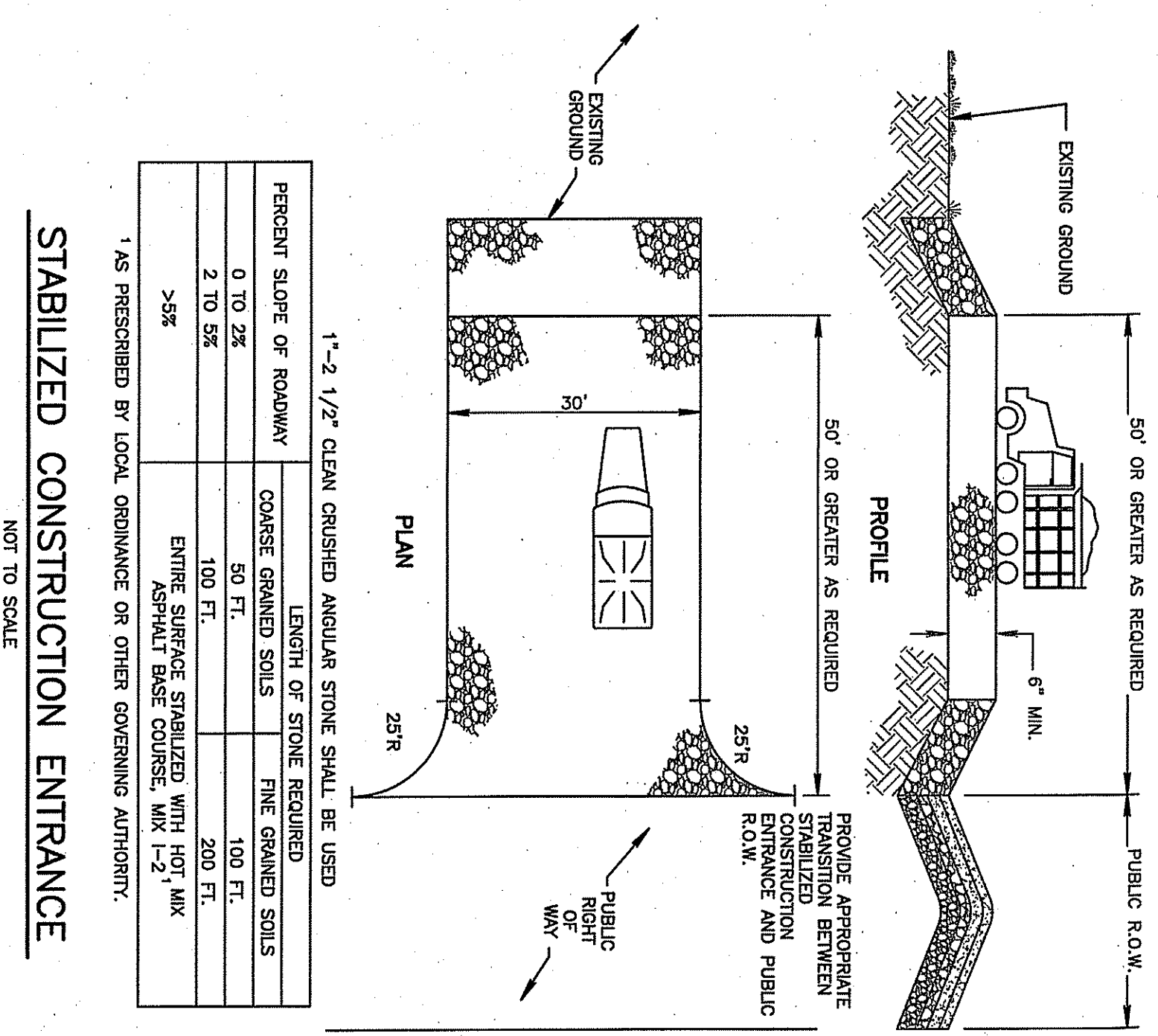
**PRELIMINARY AND FINAL MAJOR SITE PLANS
 MIXED-USE DEVELOPMENT
 TAX LOT 44, BLOCK 213.01**

SITUATED IN
 TOWNSHIP OF MARLBORO, MONMOUTH COUNTY, NEW JERSEY

PROJECT NUMBER: LD14-305
 DATE: 01/22/2020
 SCALE: 1"=40'

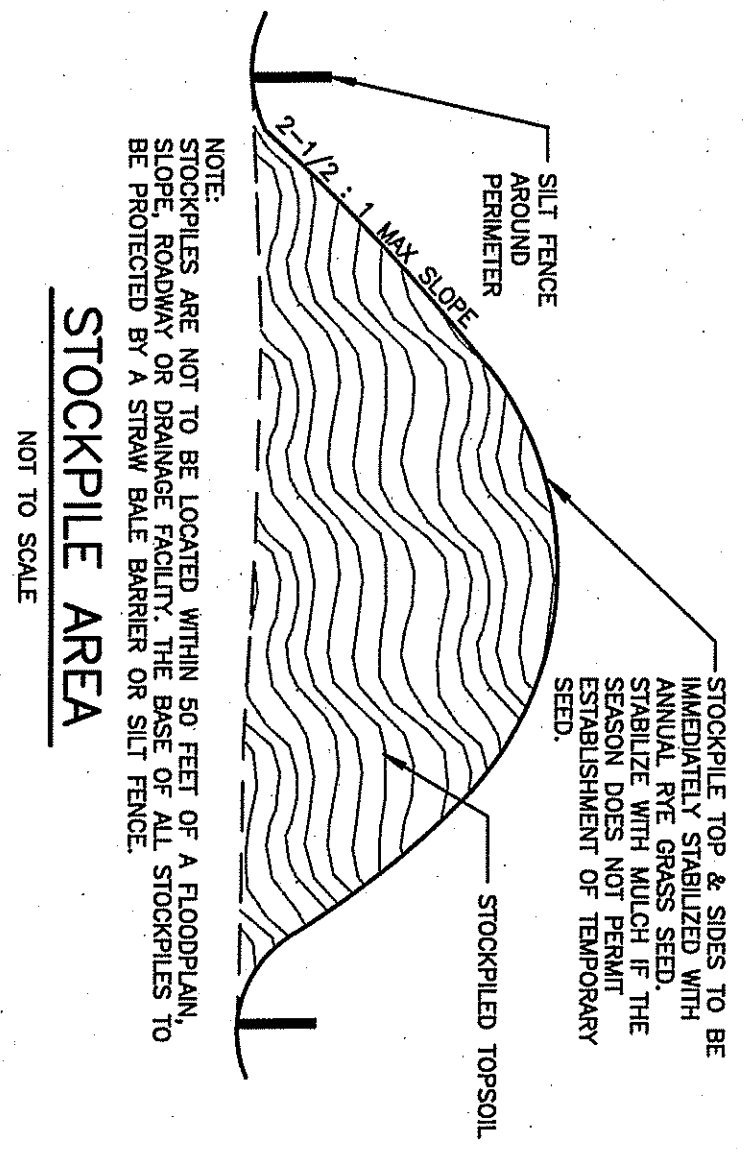
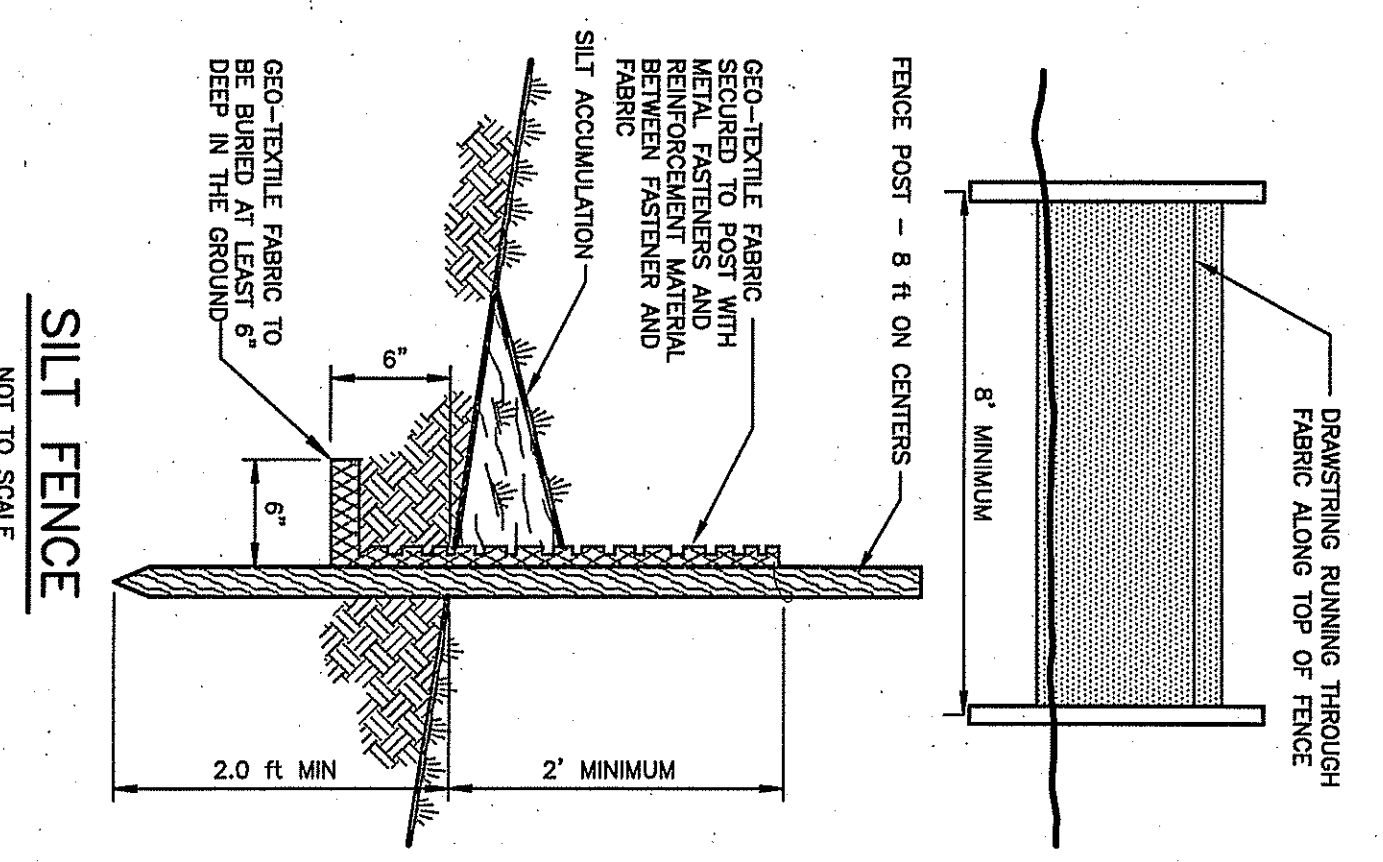


| OUTLET | D | D50 | L1 | W1 | W2 | D50 |
|--------|------|-------|-----|-----|----|-----|
| 1B-50 | 4.38 | 1.50" | 10' | 18" | 5' | 5" |
| 2A-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2B-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2C-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2D-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2E-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2F-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2G-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2H-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2I-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2J-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2K-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2L-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2M-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2N-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2O-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2P-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2Q-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2R-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2S-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2T-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2U-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2V-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2W-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2X-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2Y-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |
| 2Z-50 | 4.38 | 1.50" | 15' | 18" | 5' | 5" |

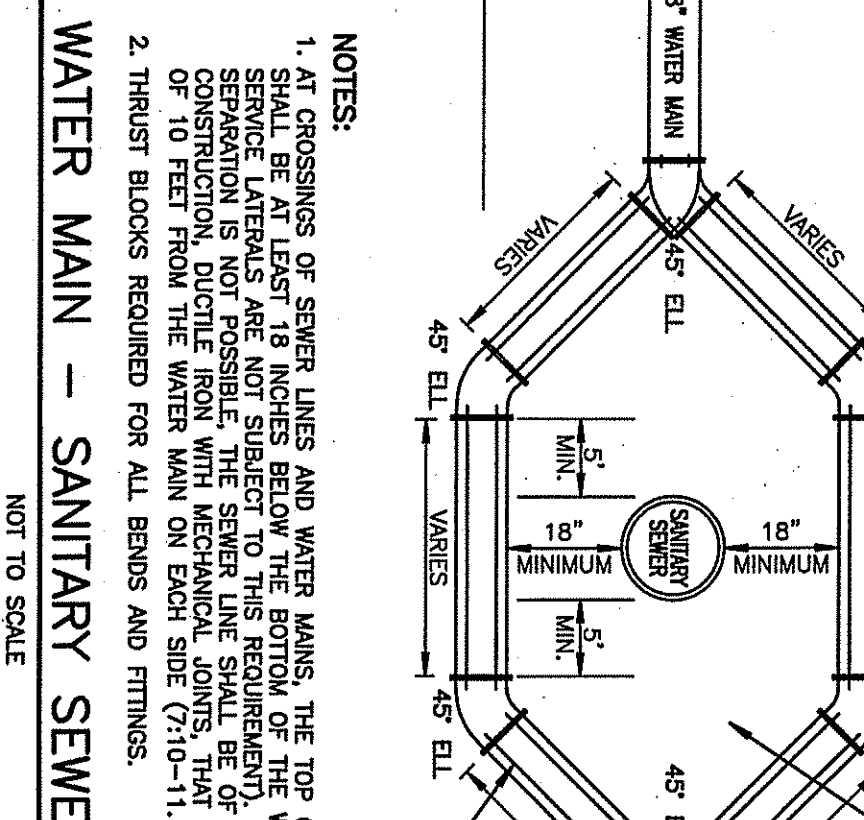
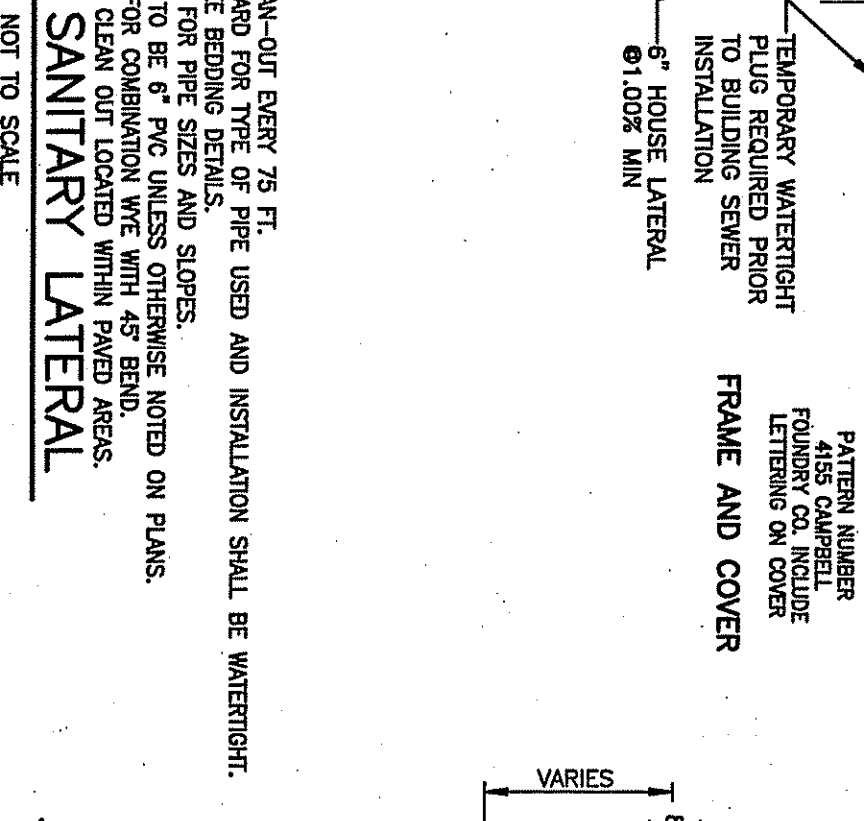
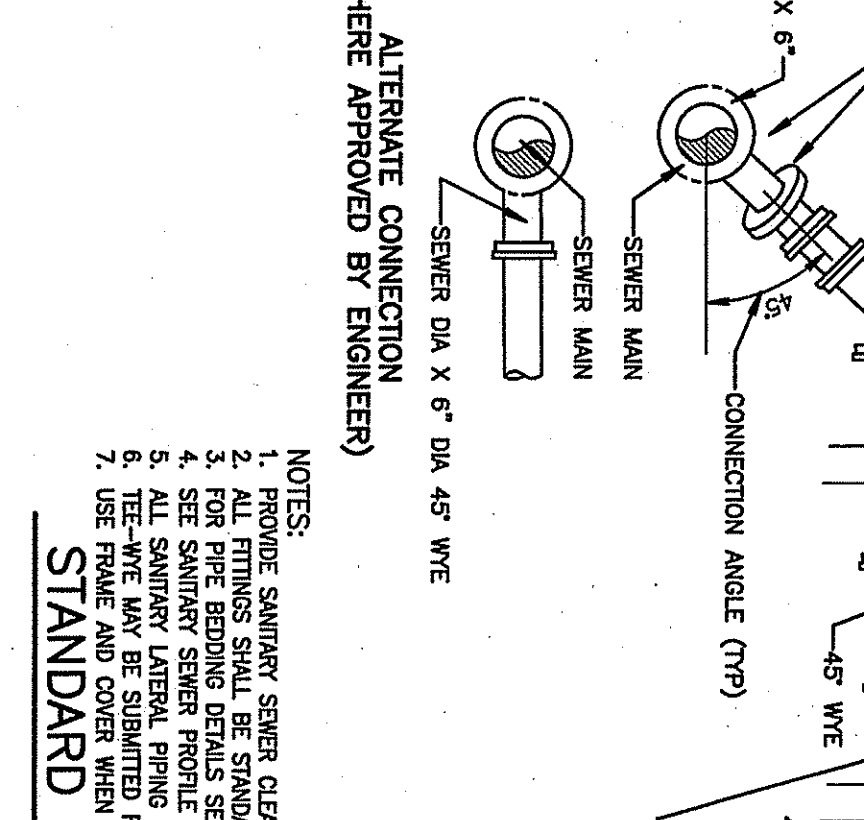
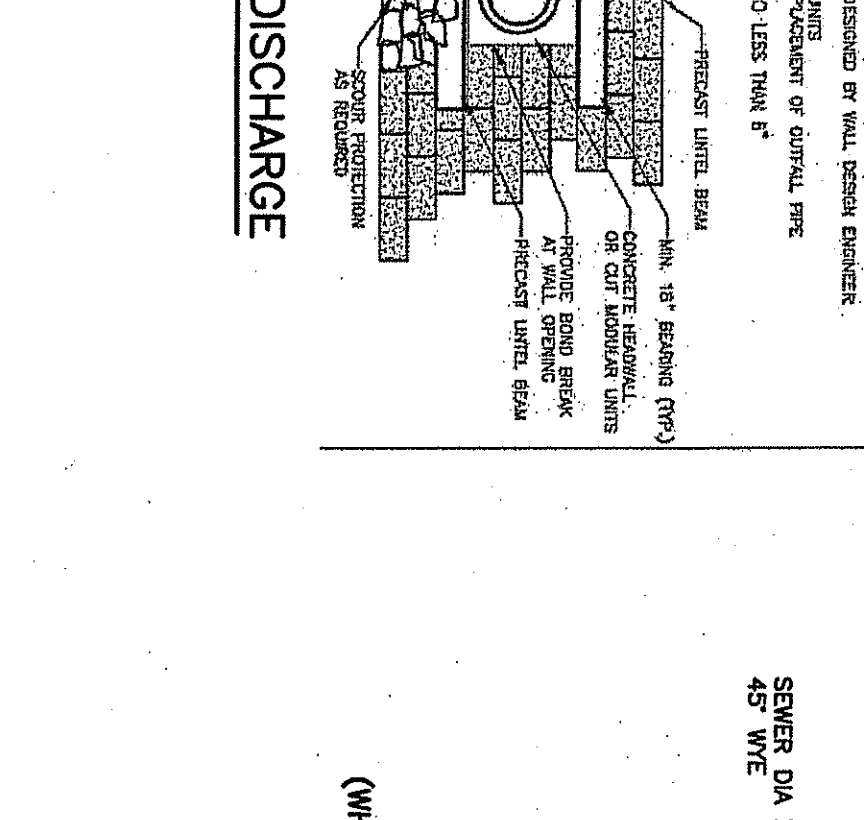
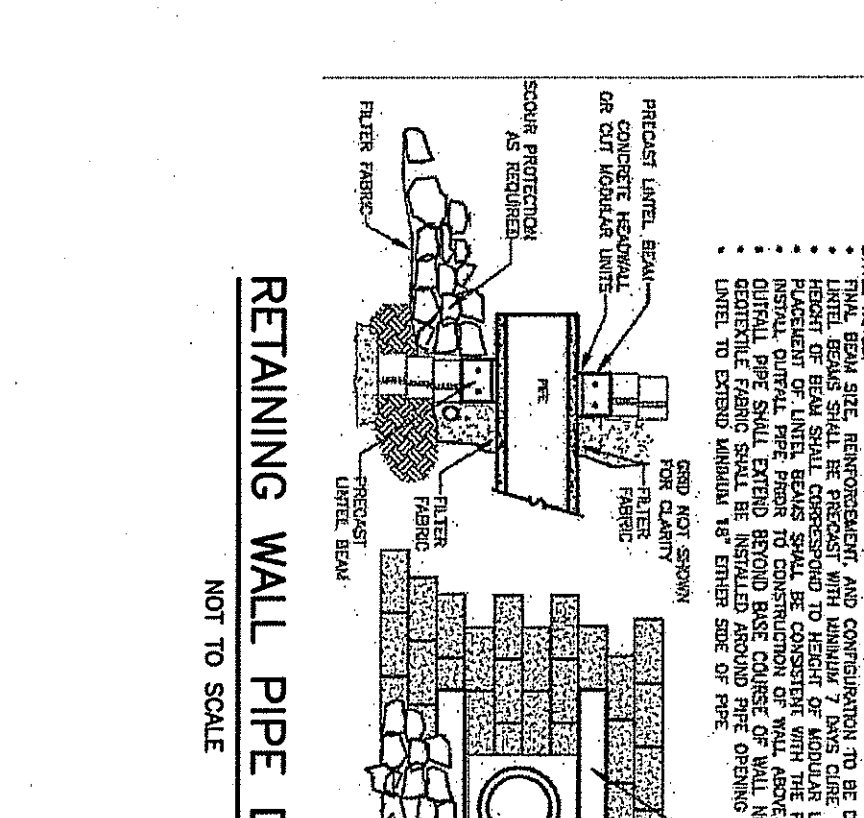
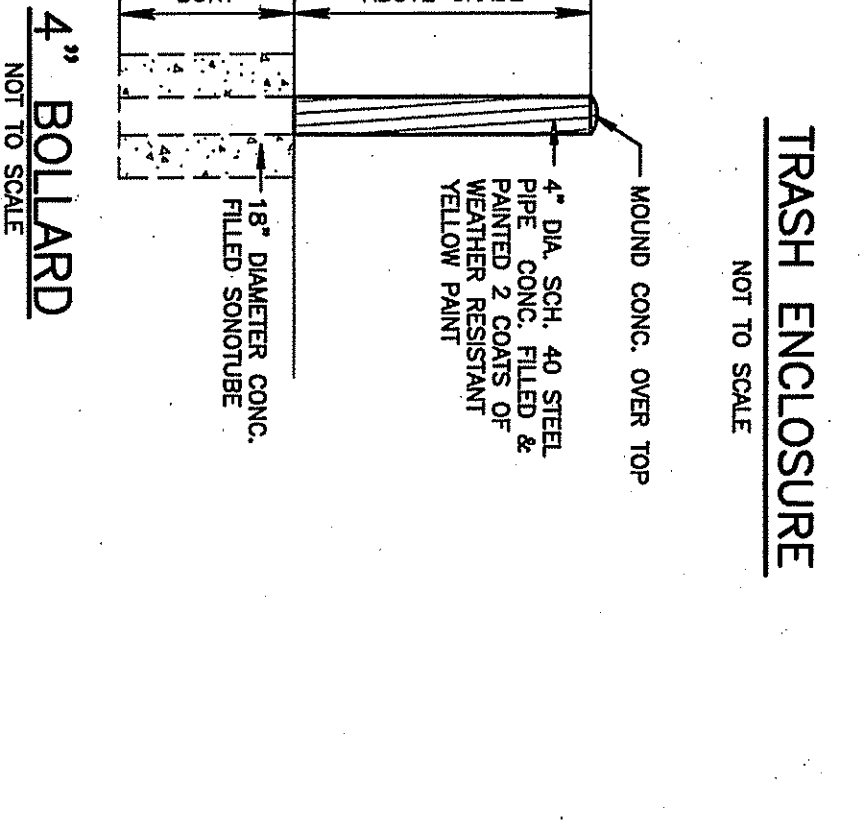
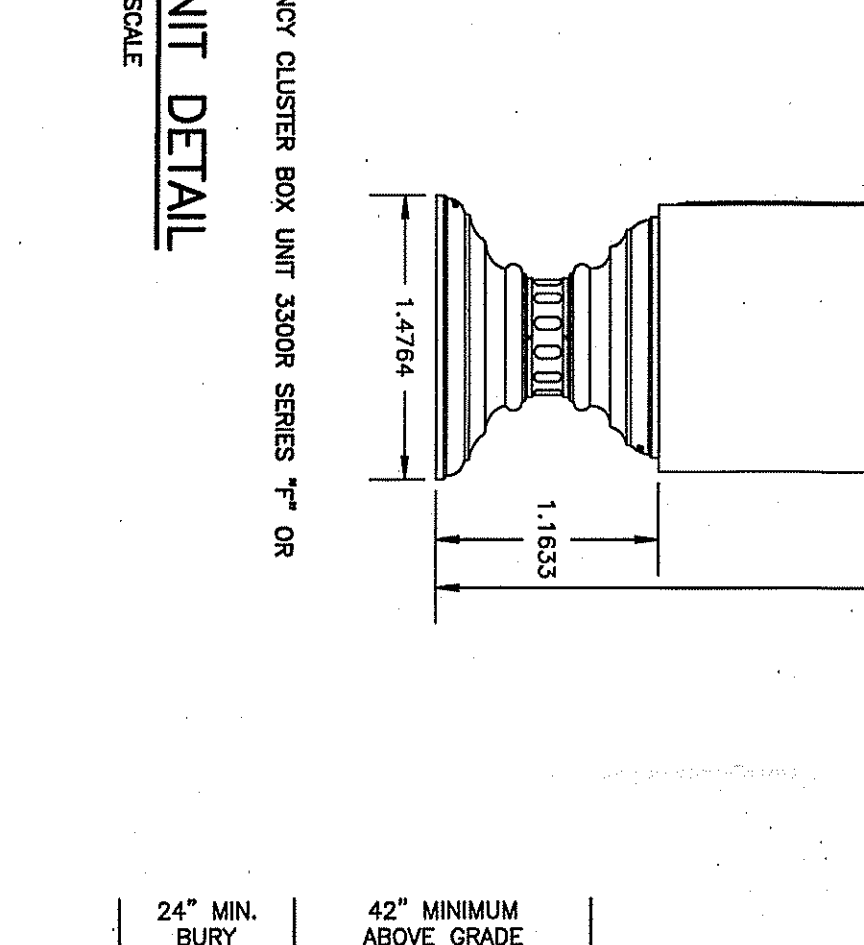
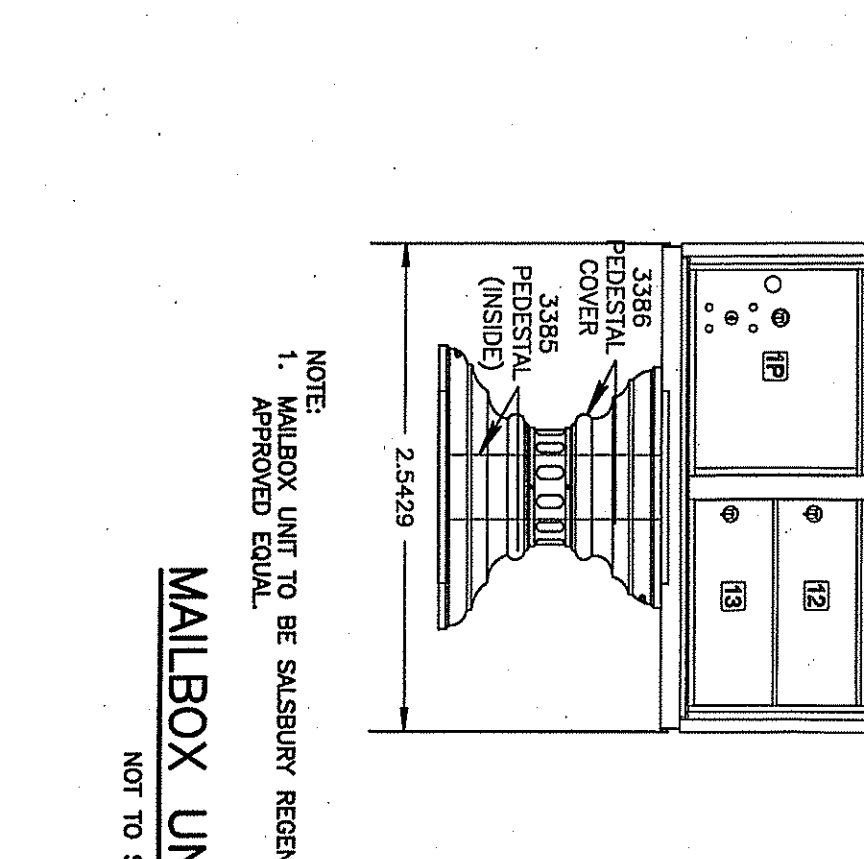
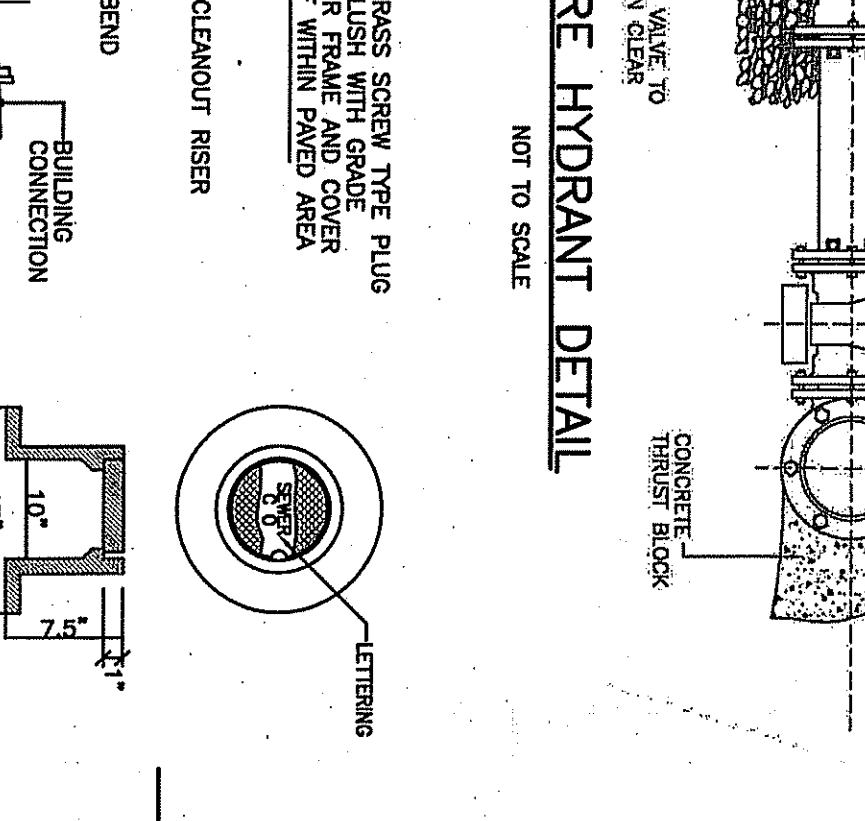
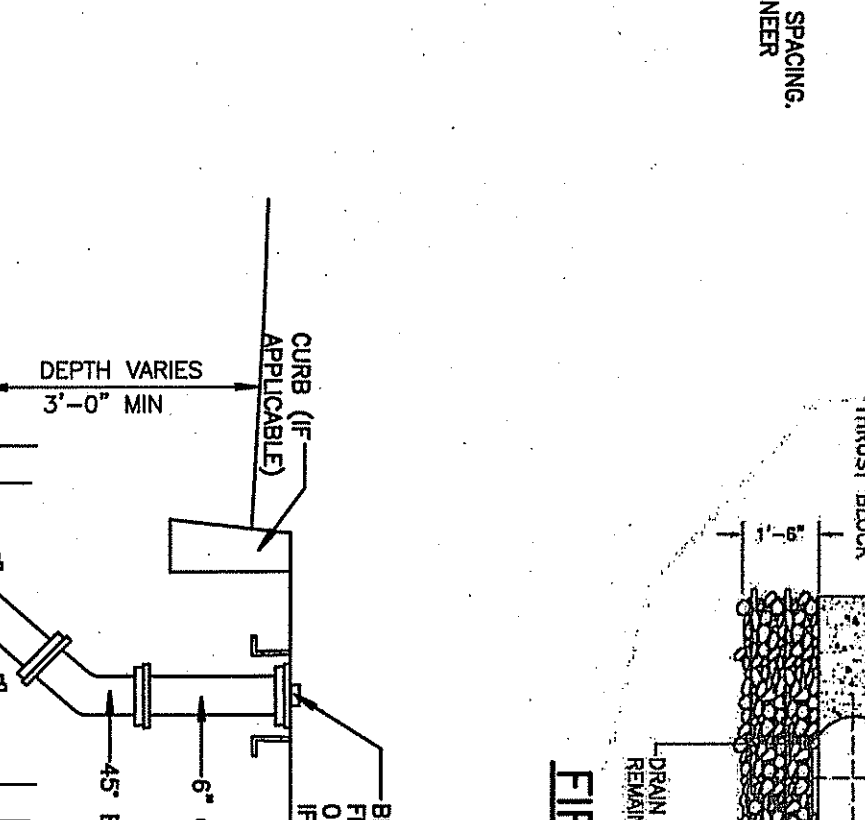
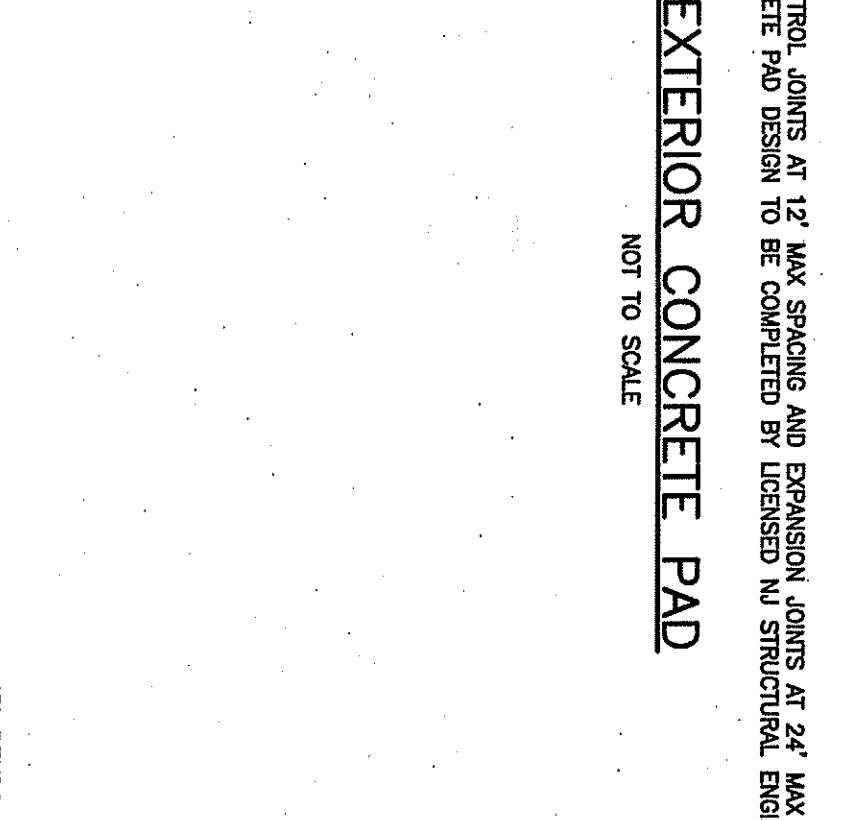
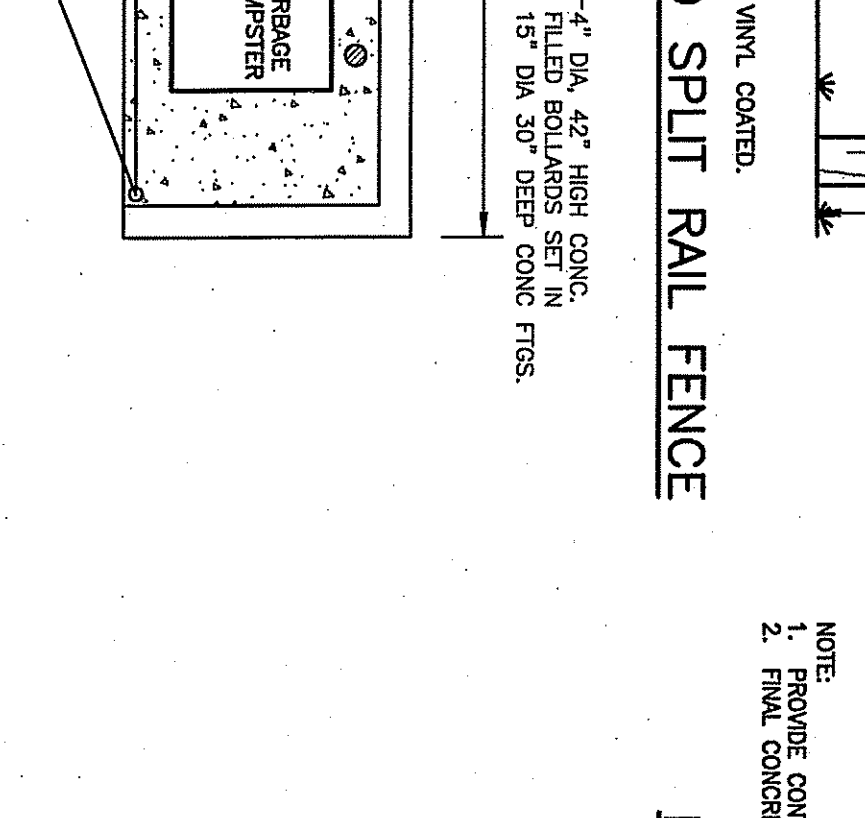
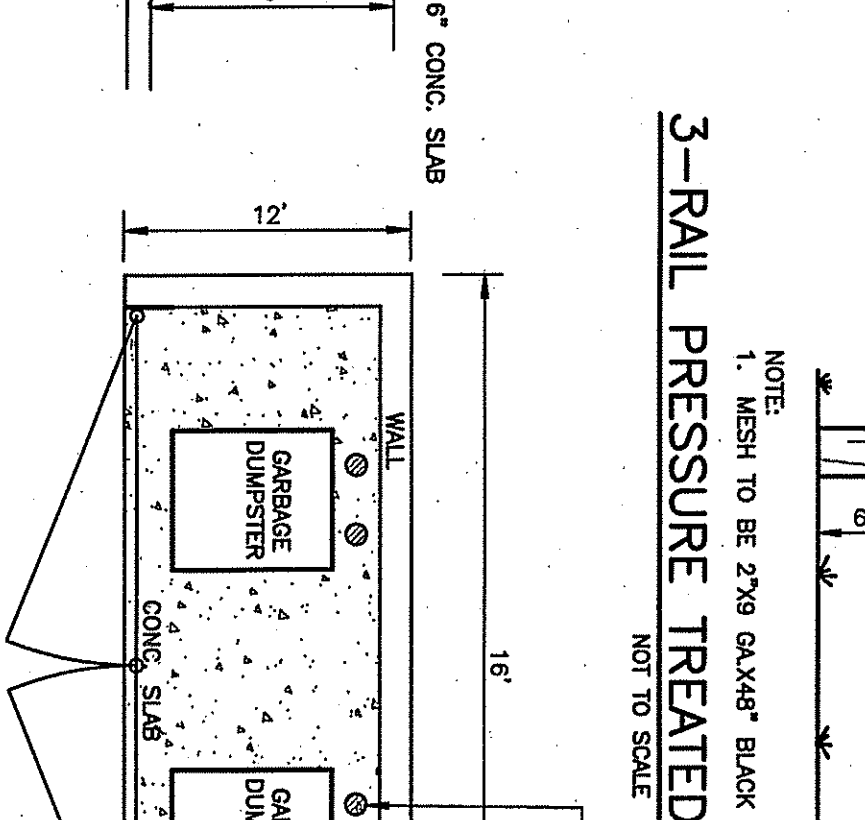
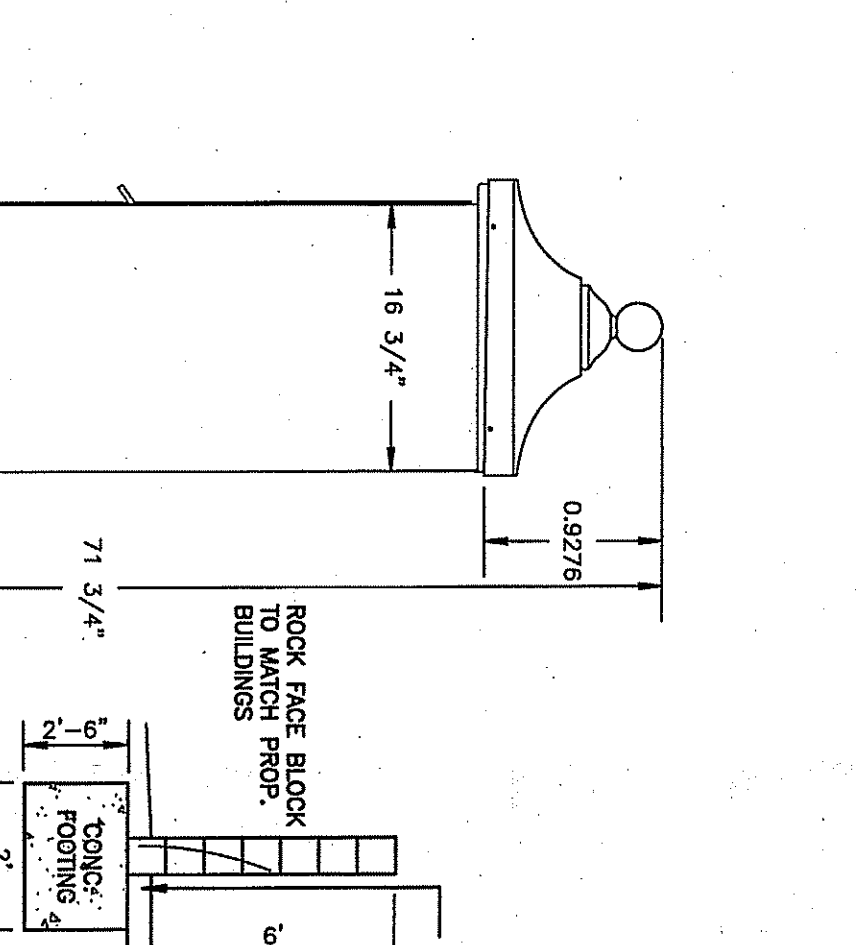
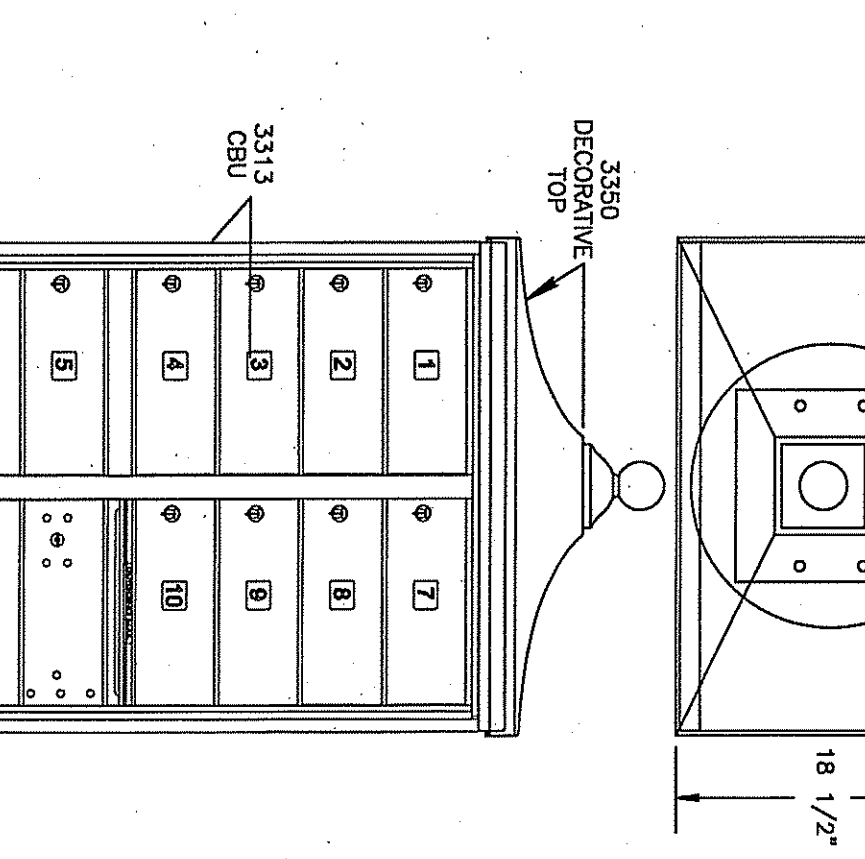
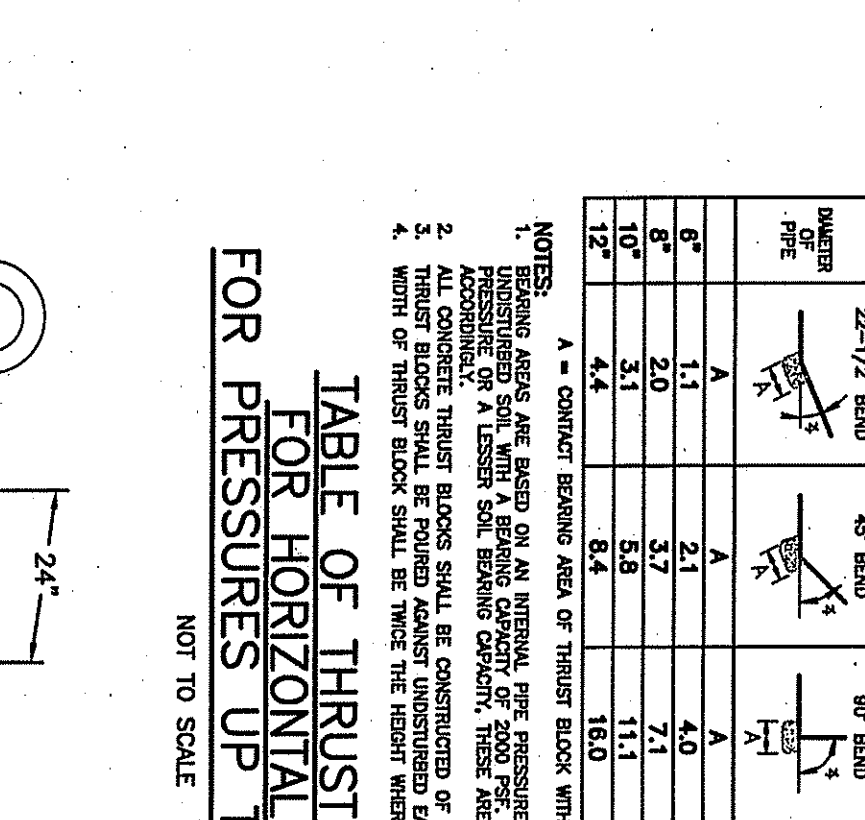
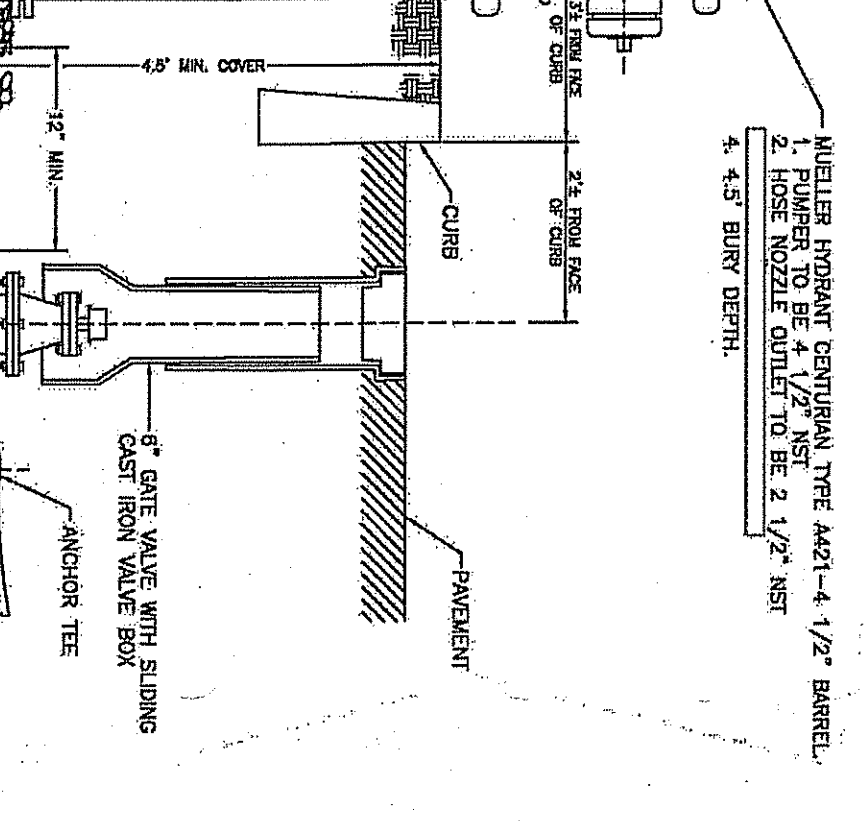
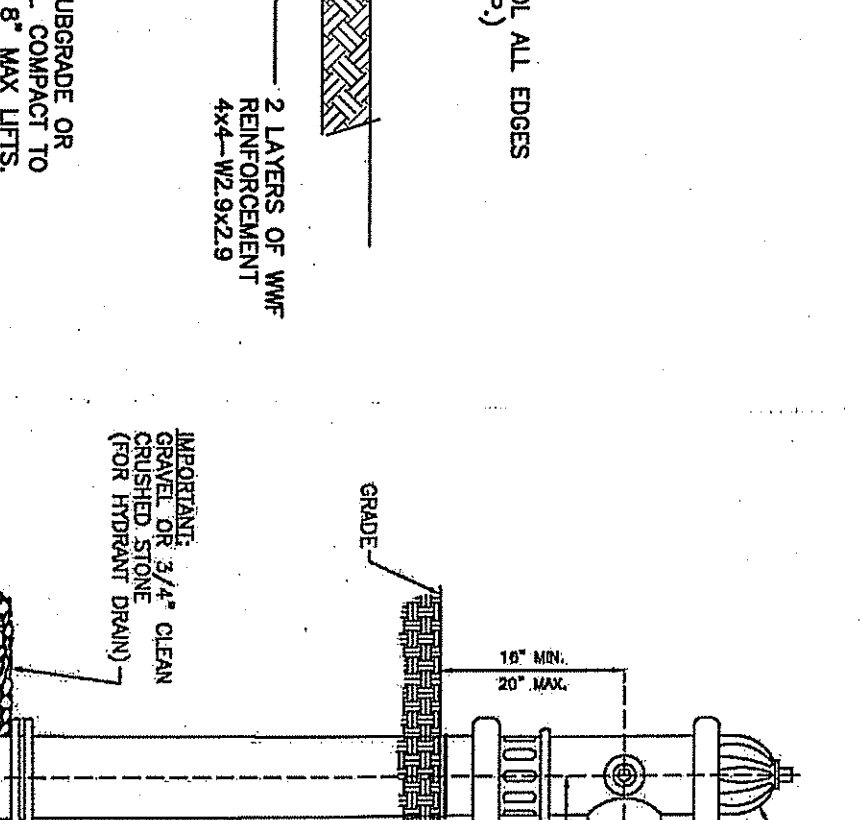
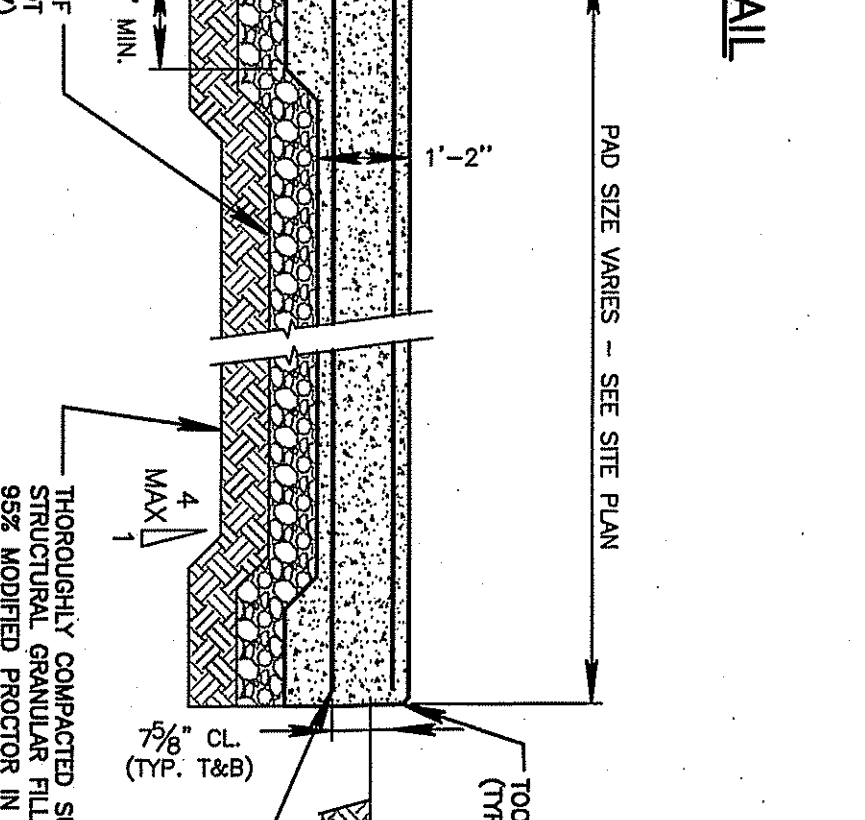
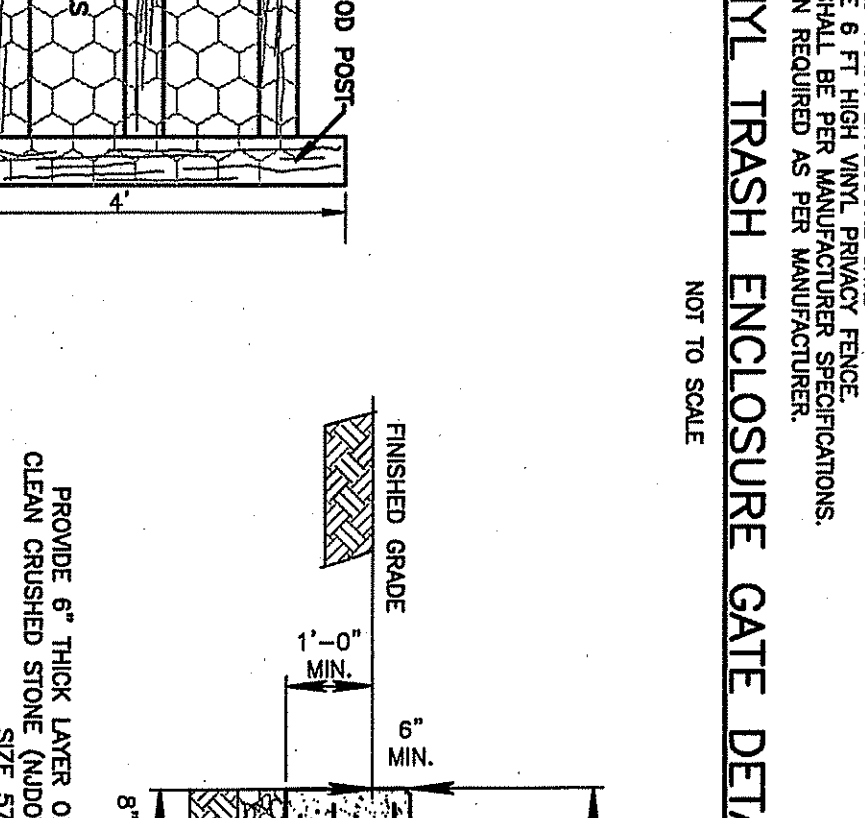
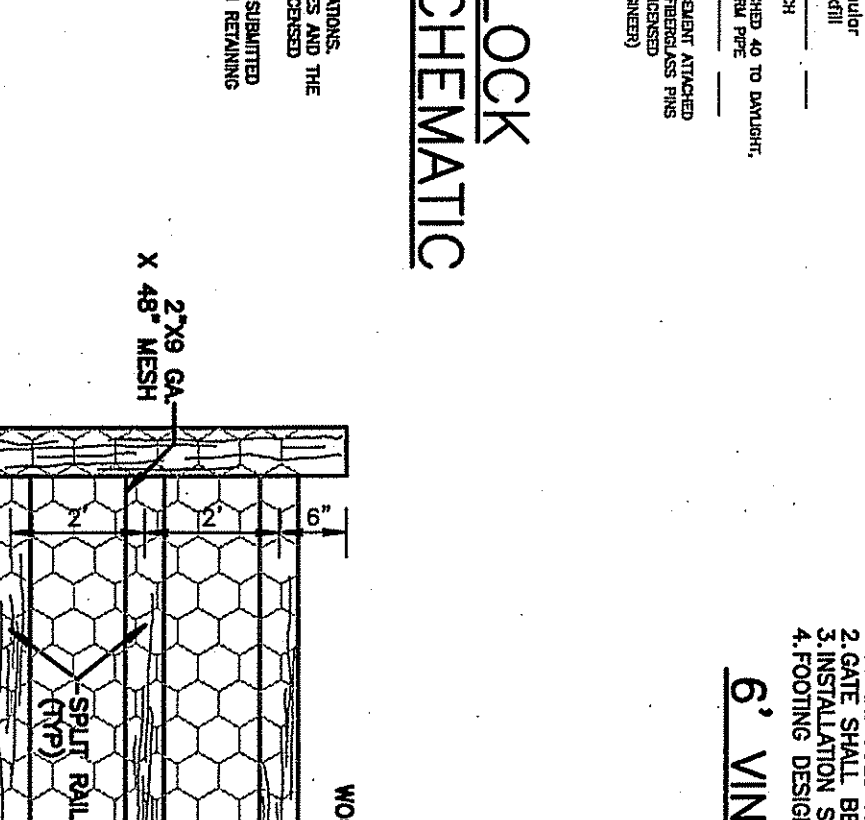
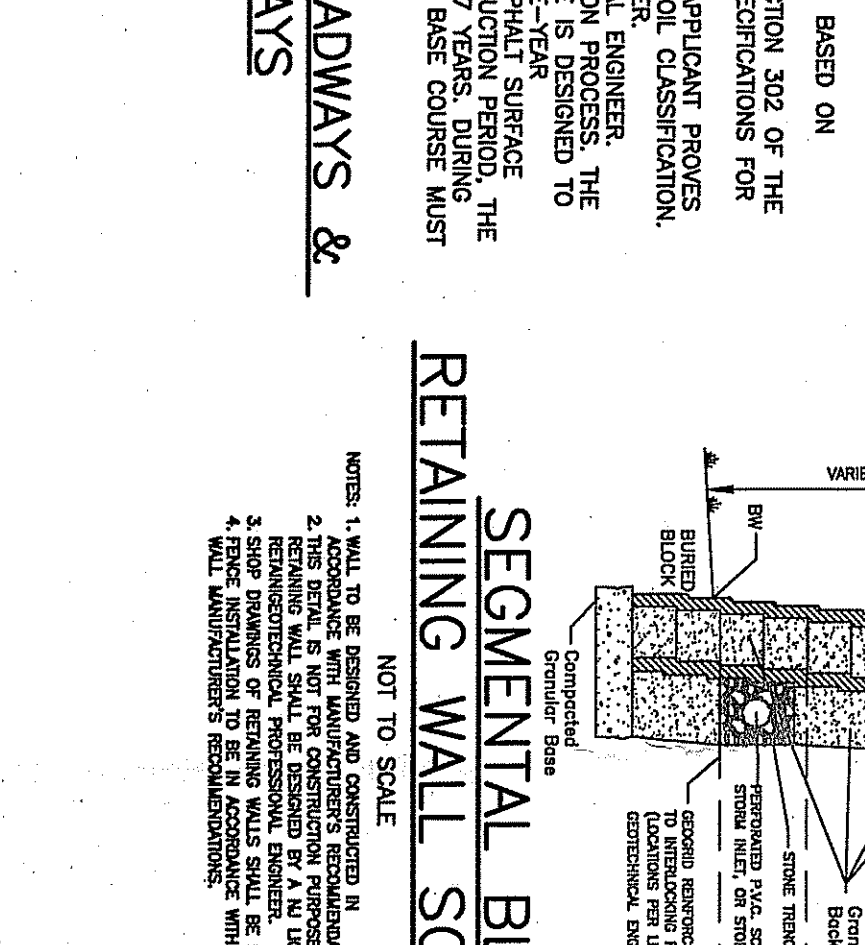
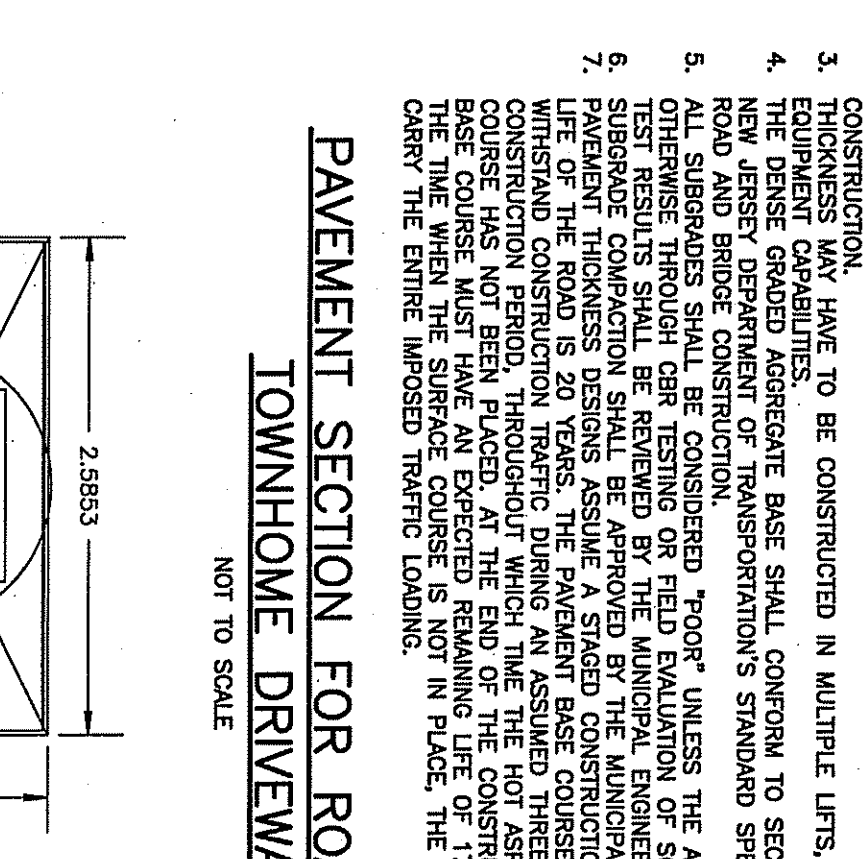
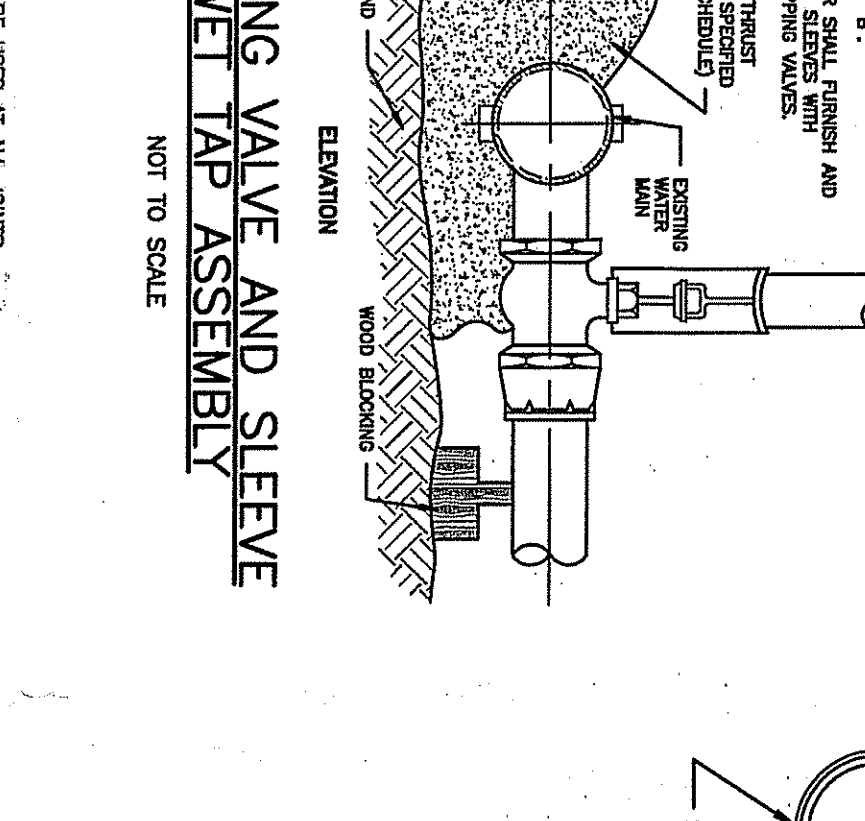
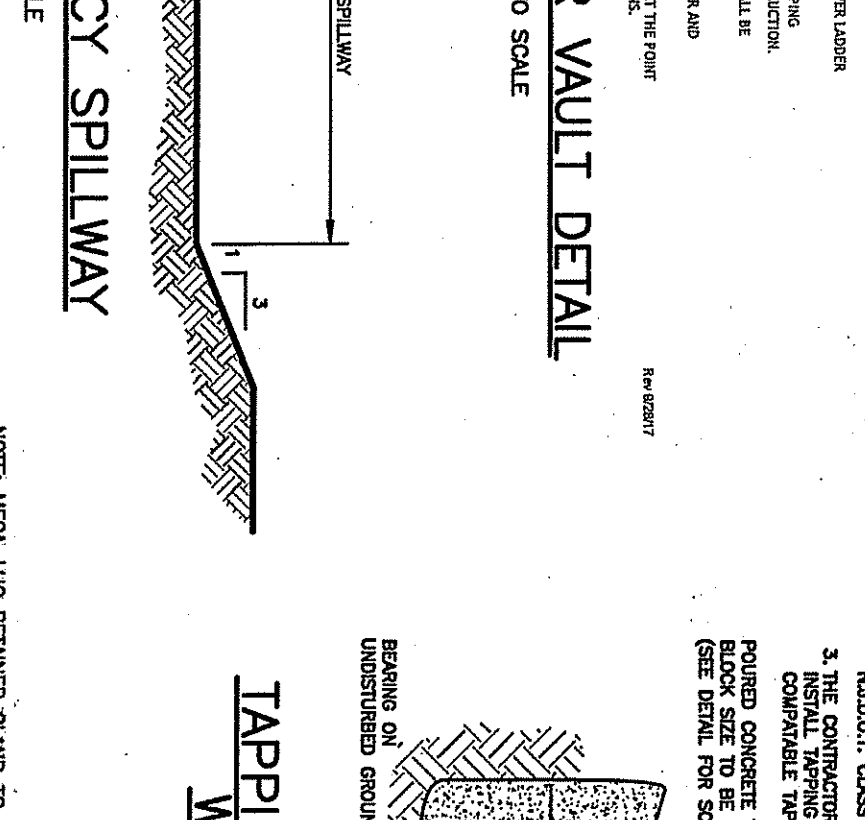
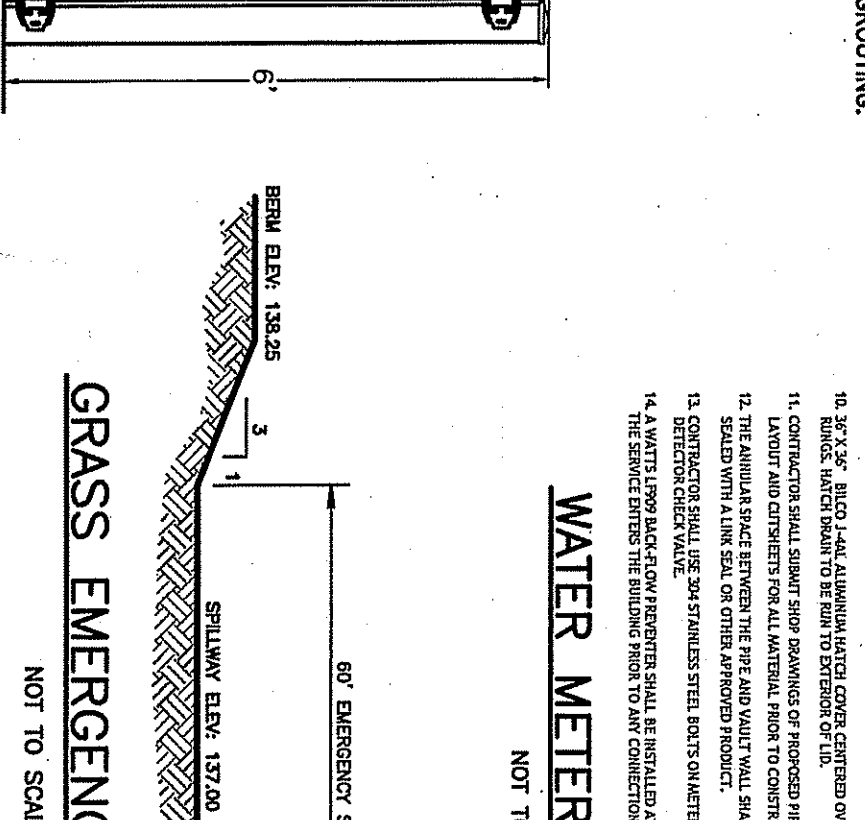
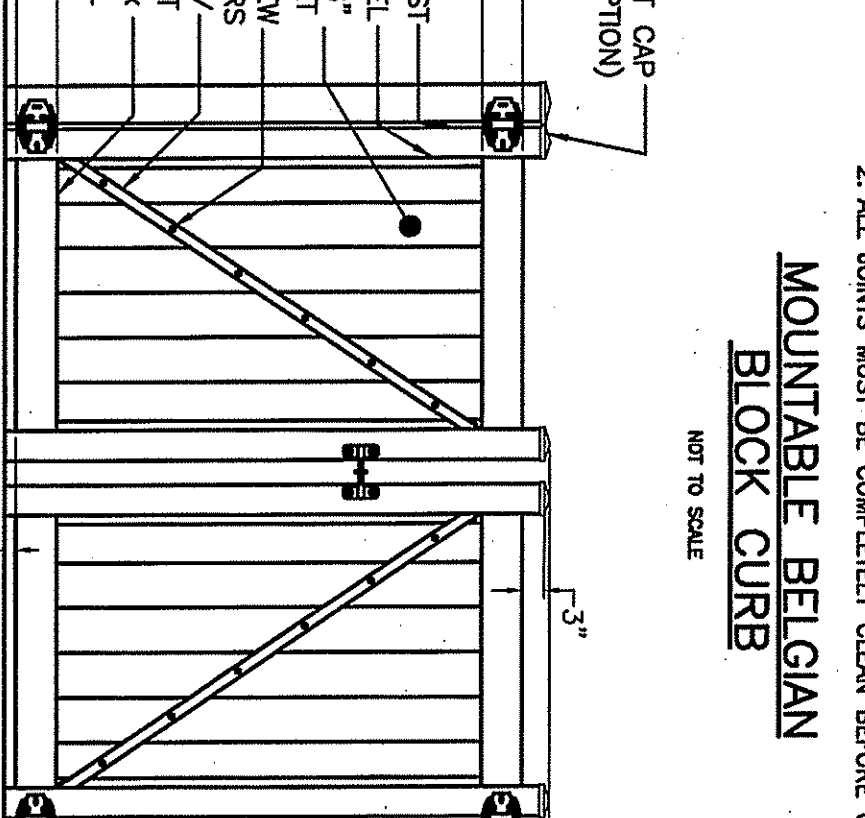
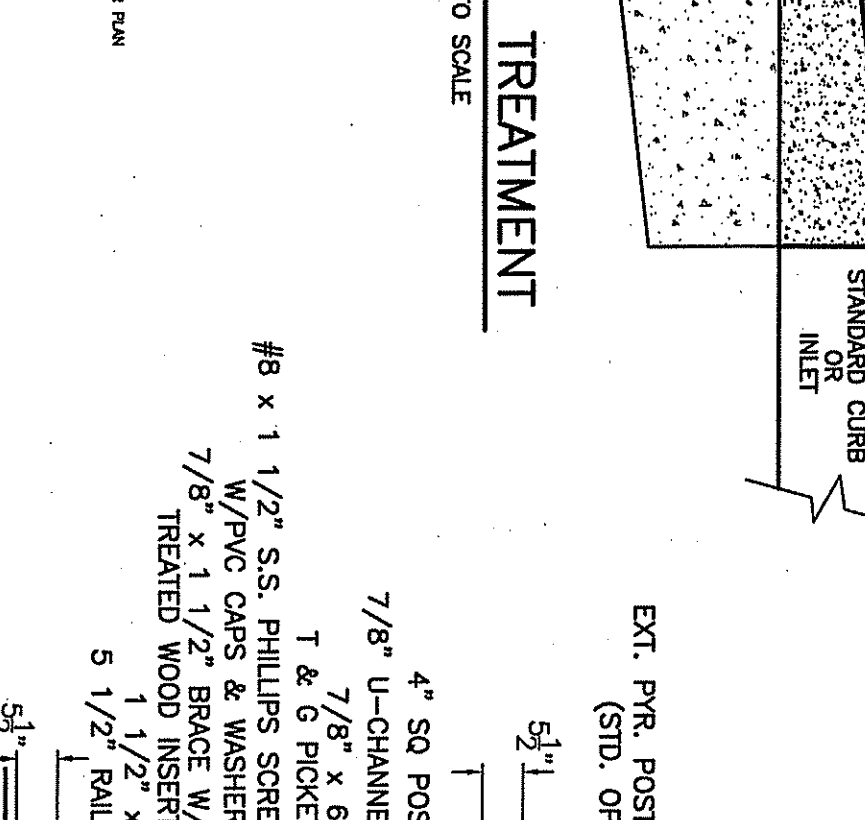
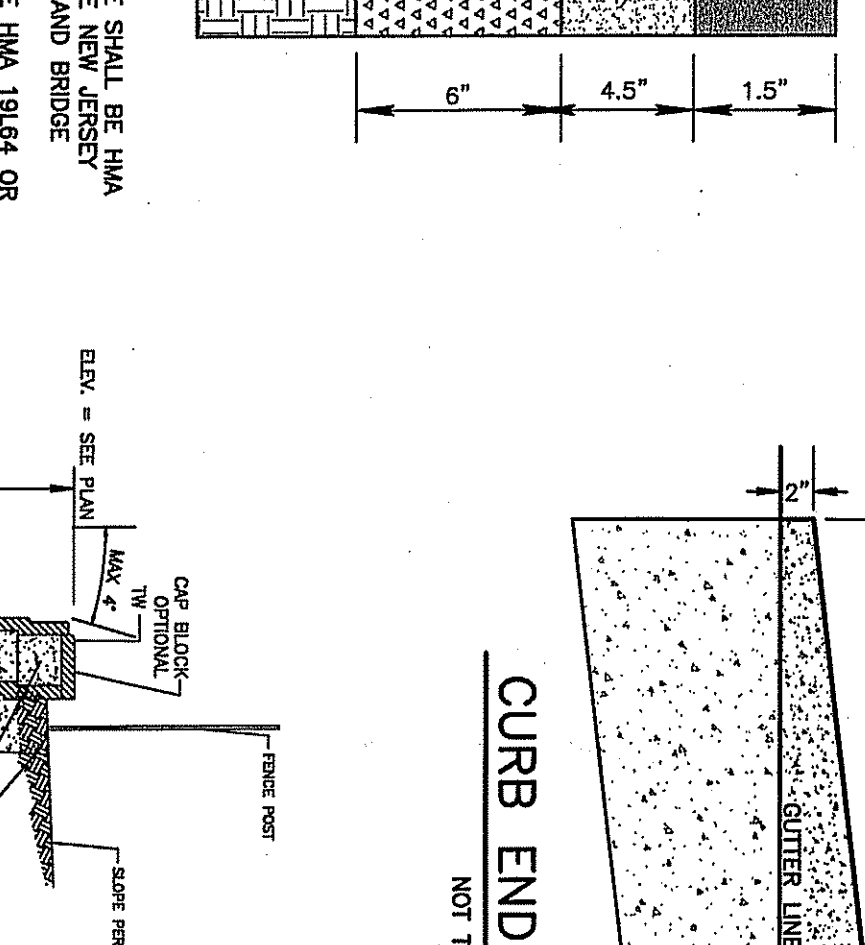
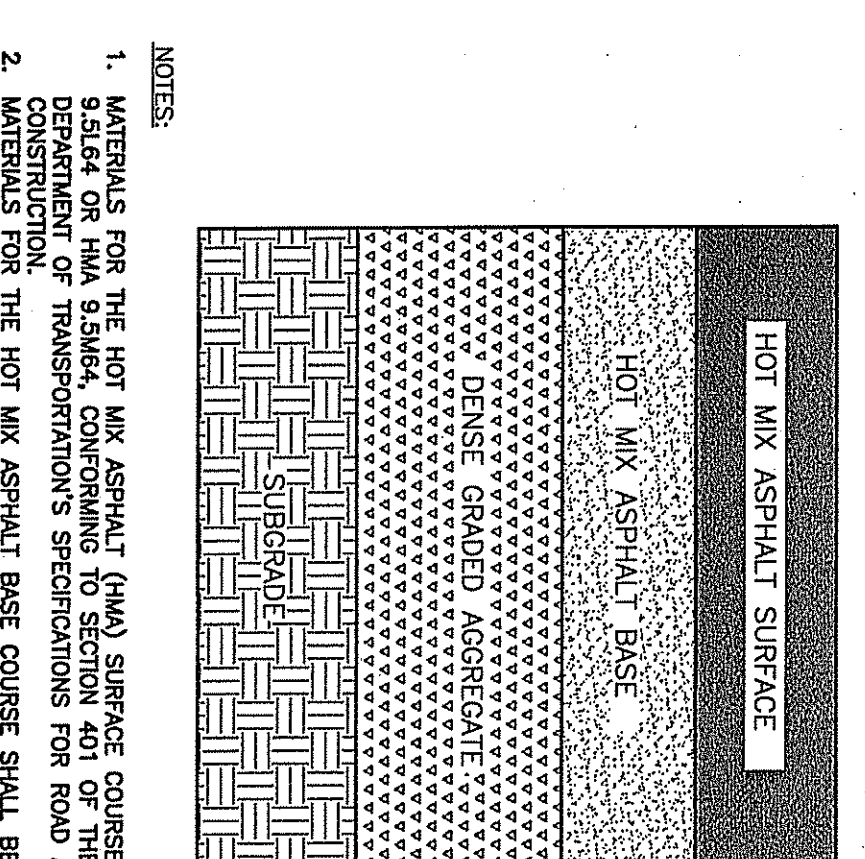
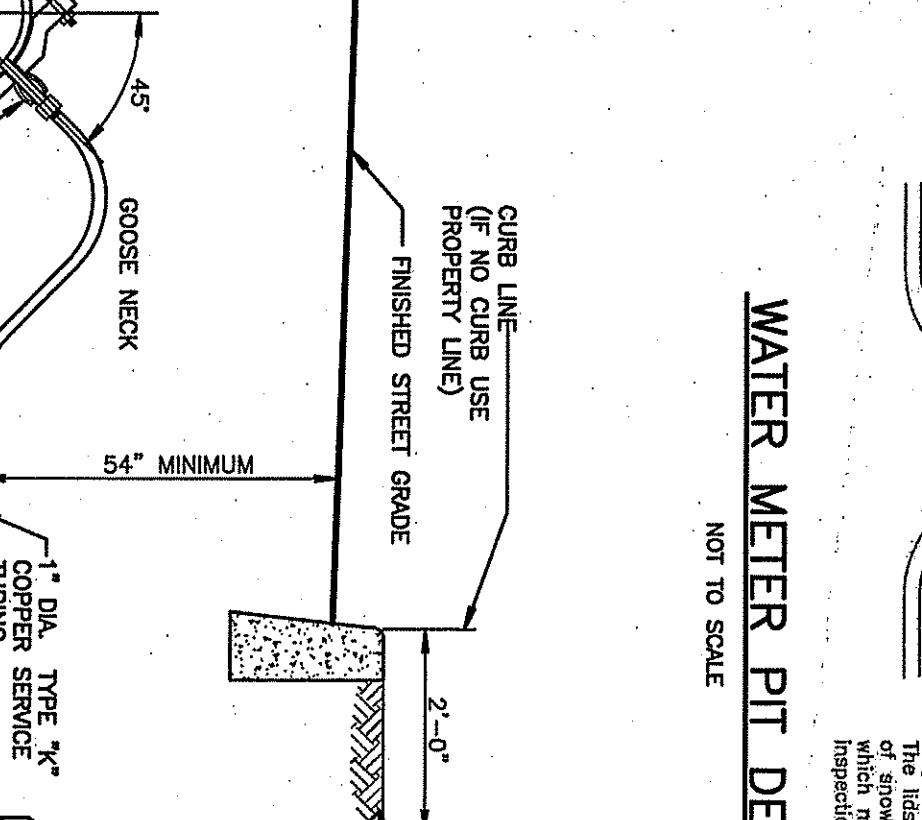
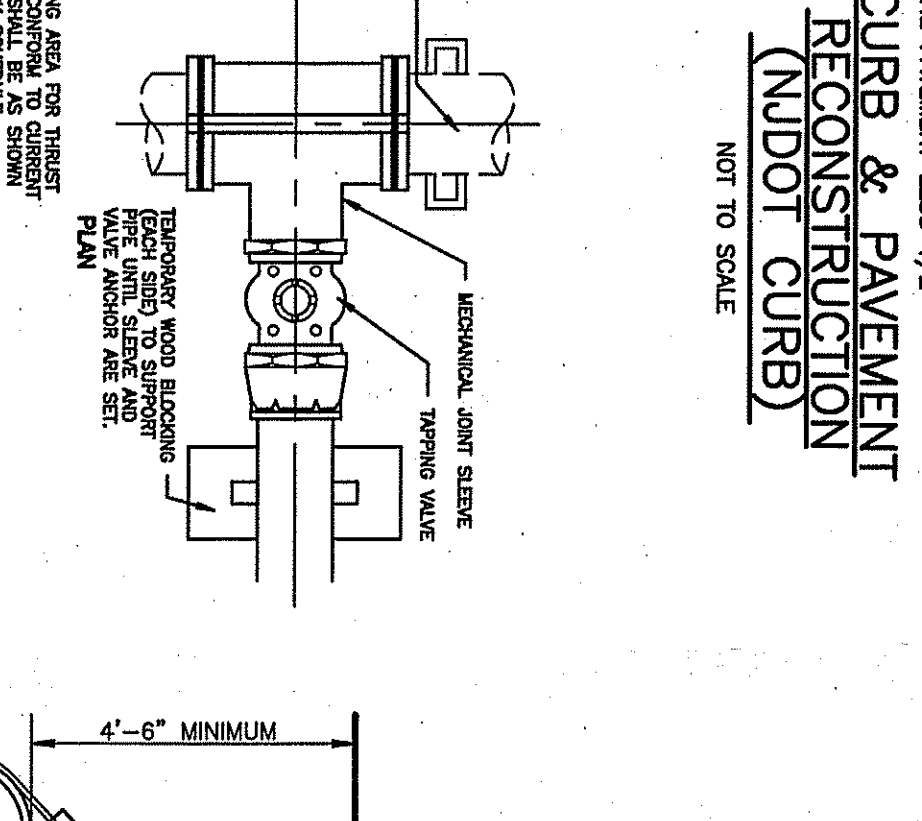
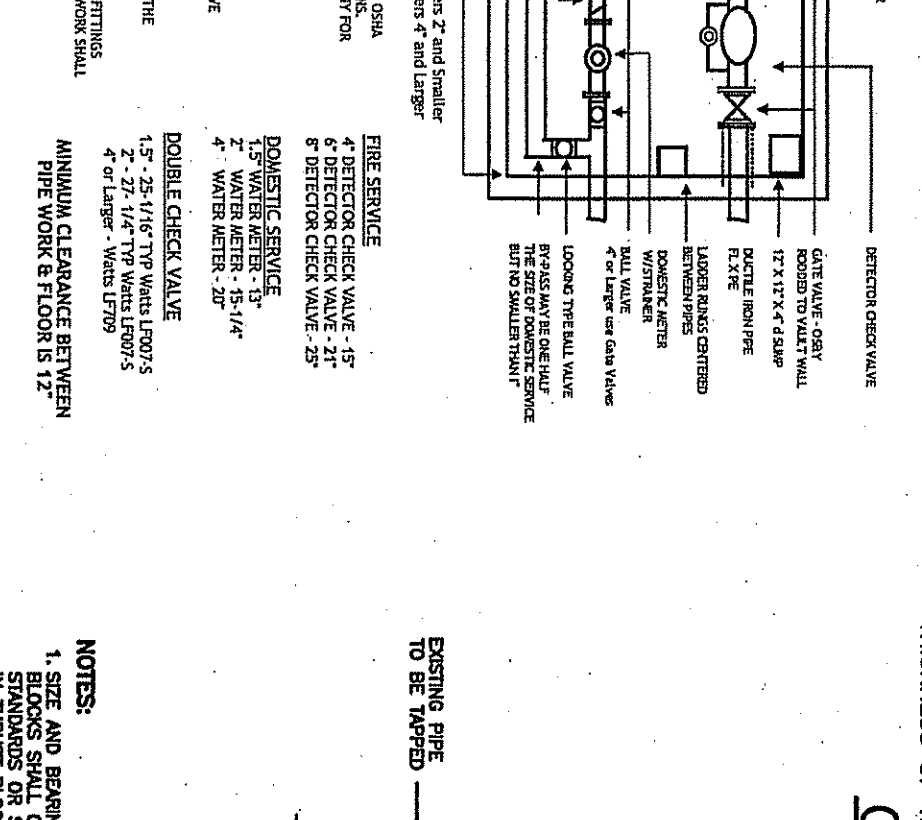
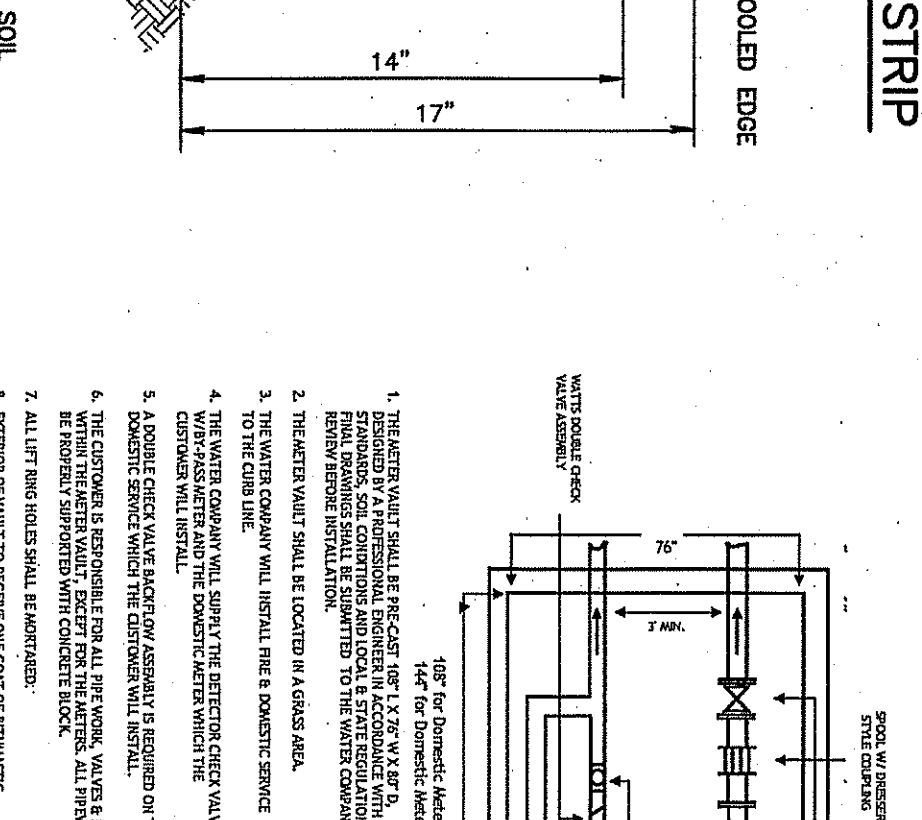
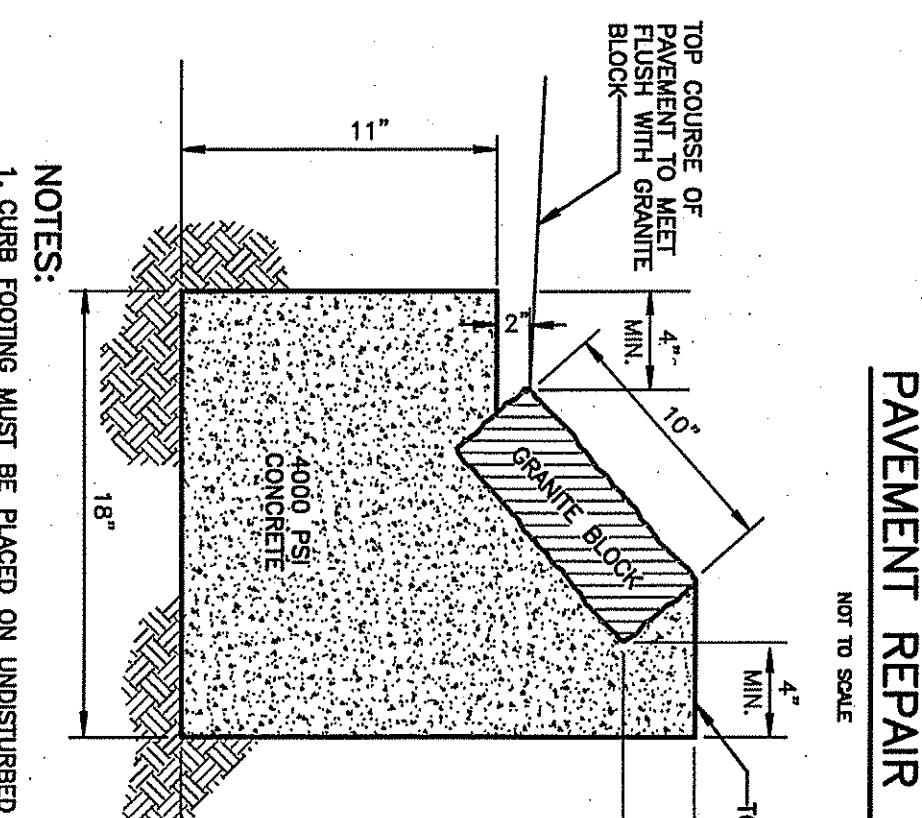
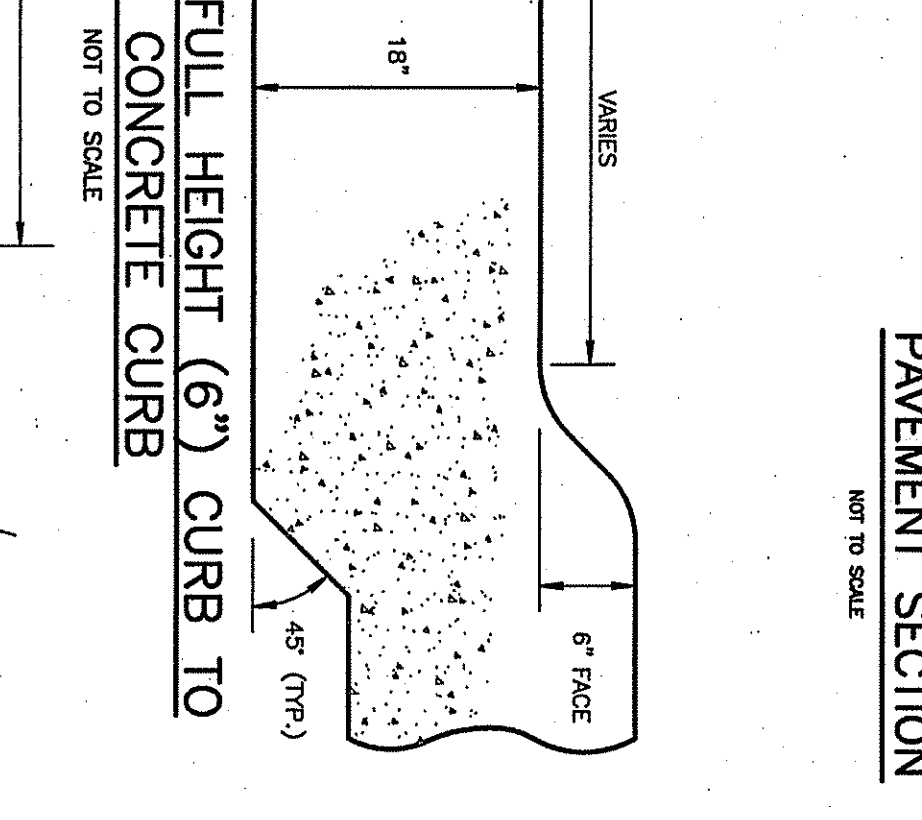
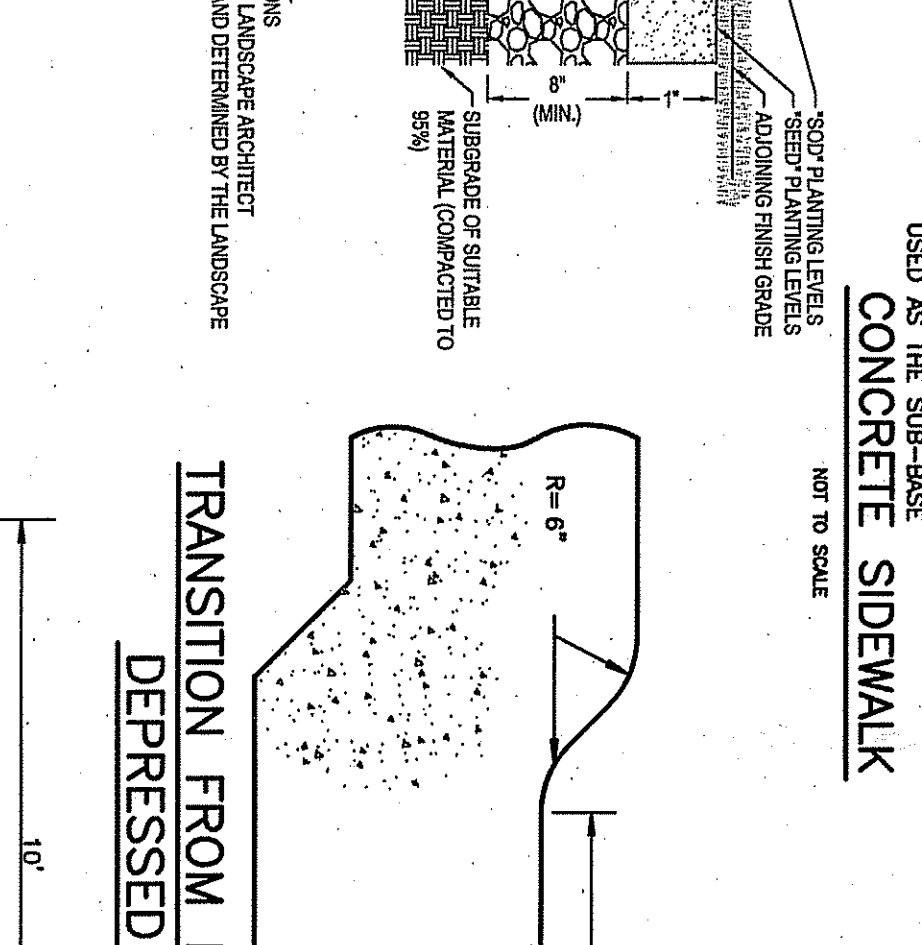
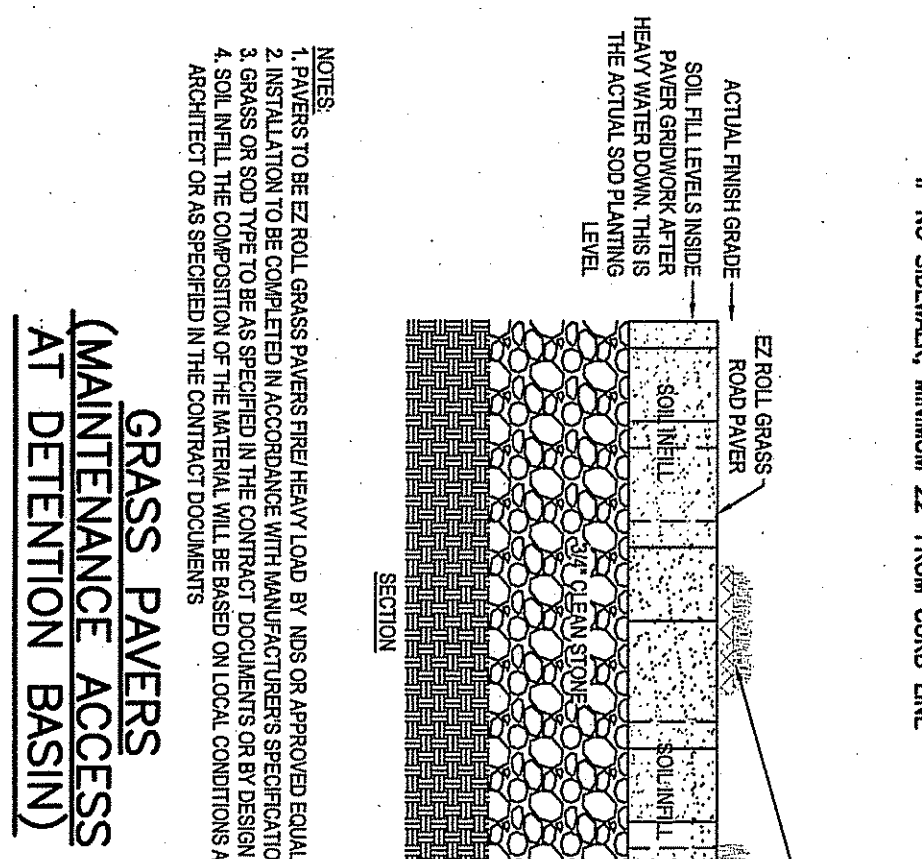
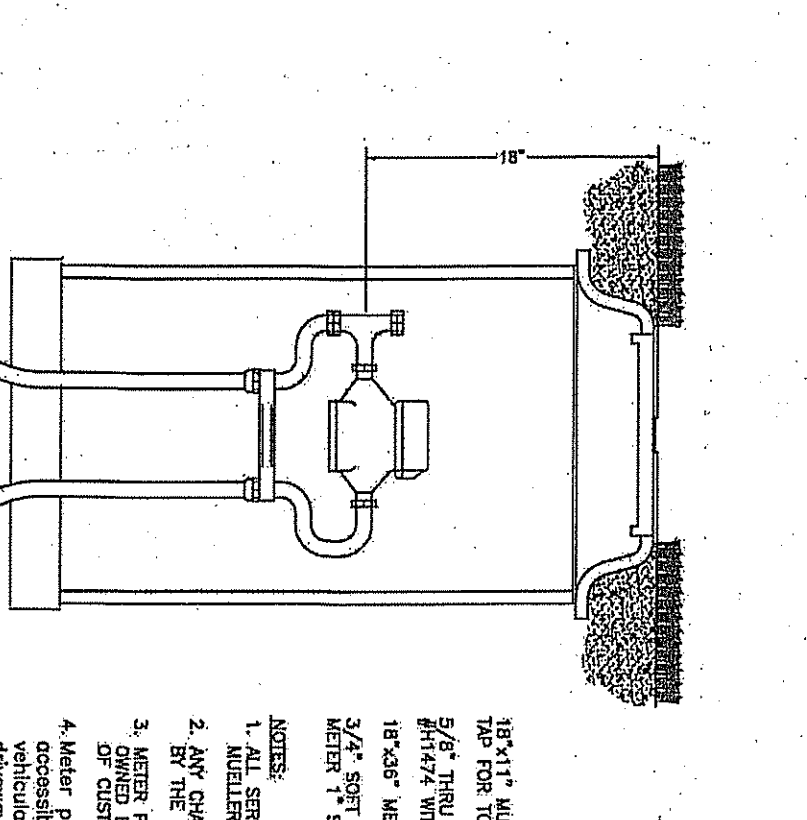
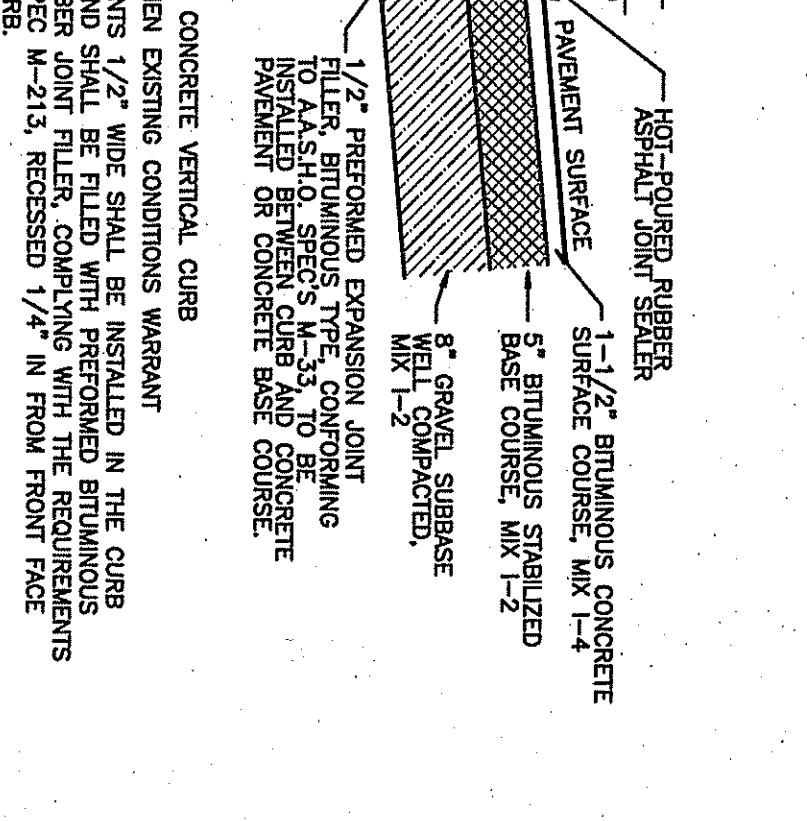
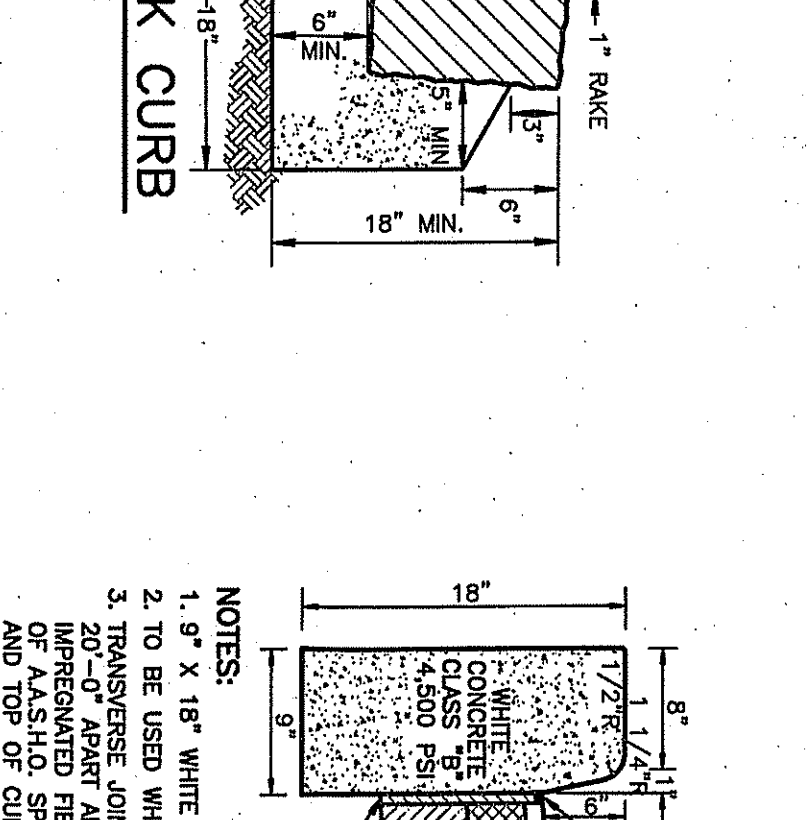
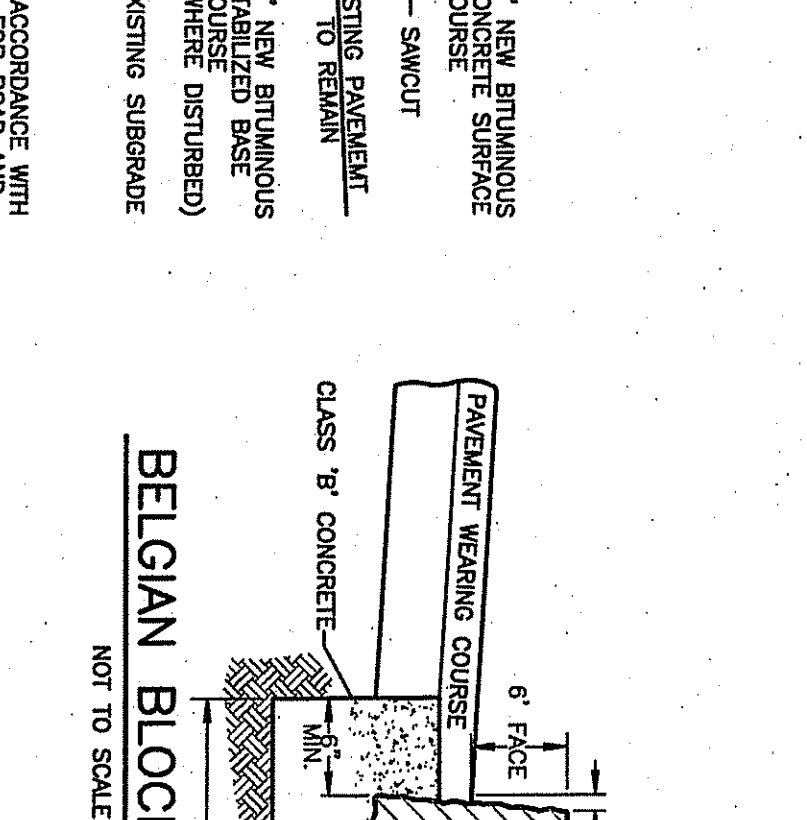
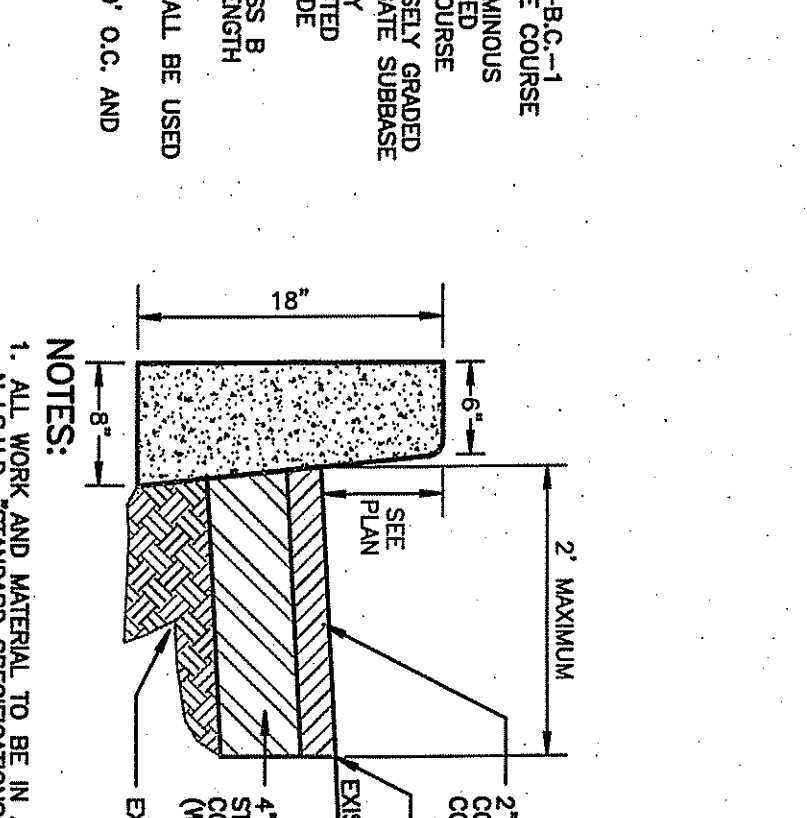
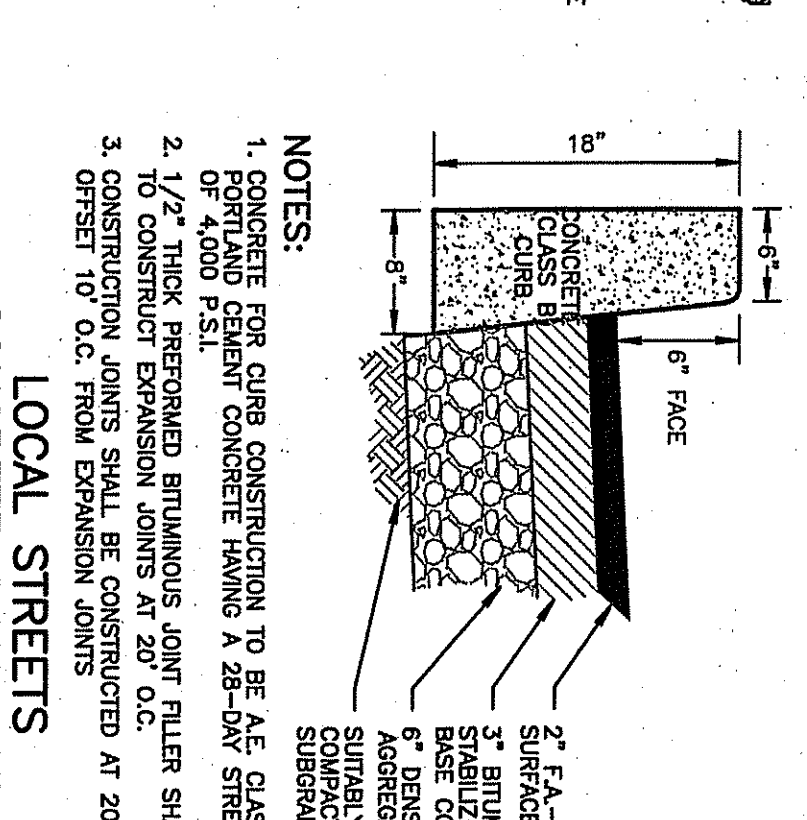
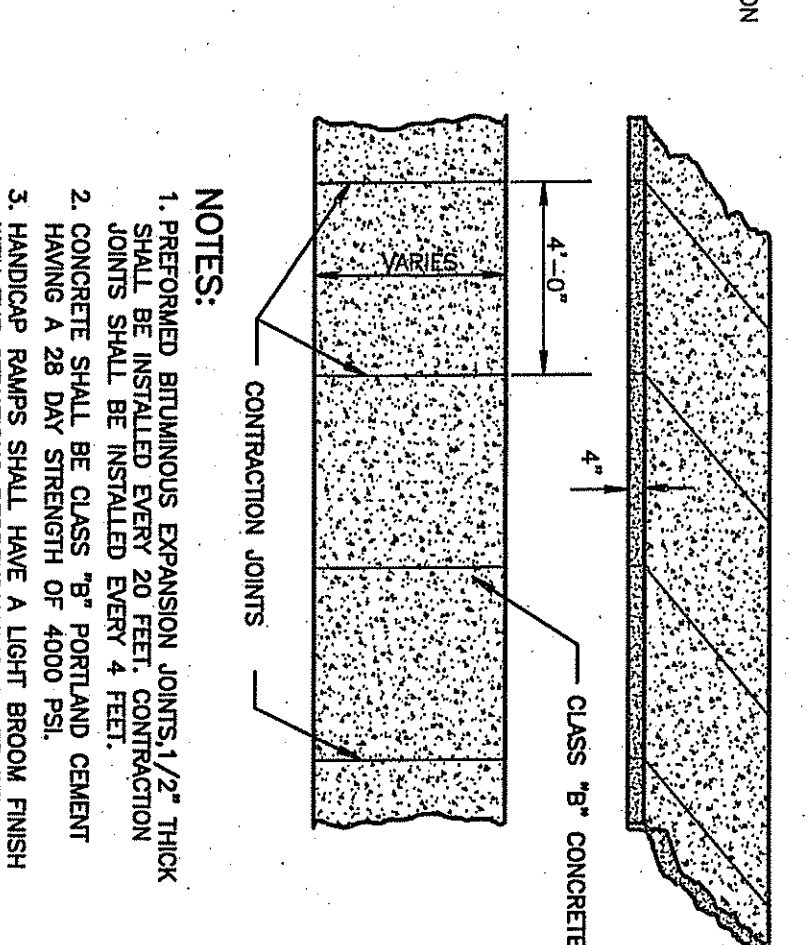
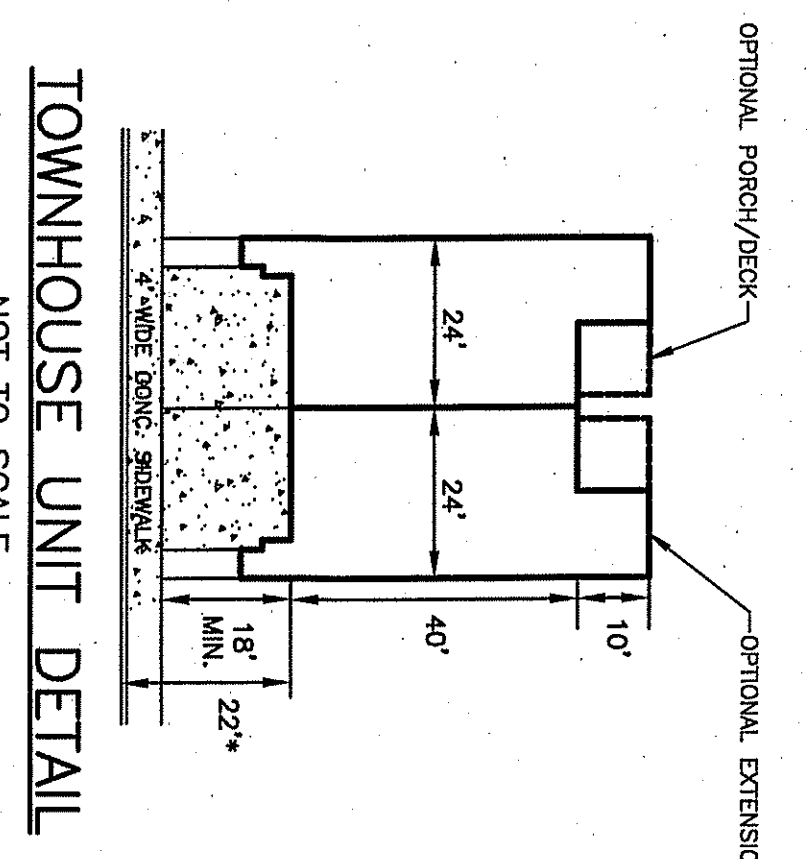


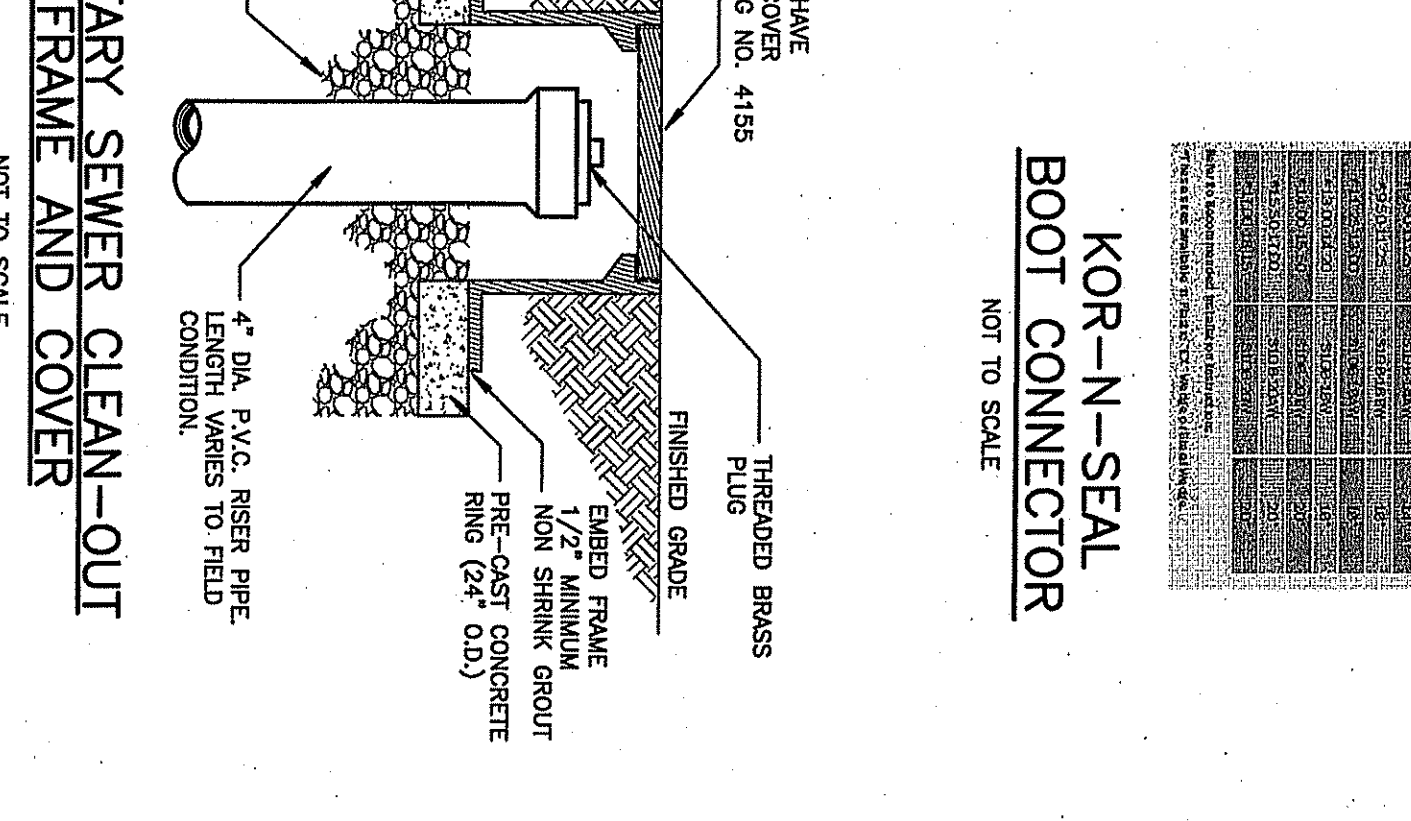
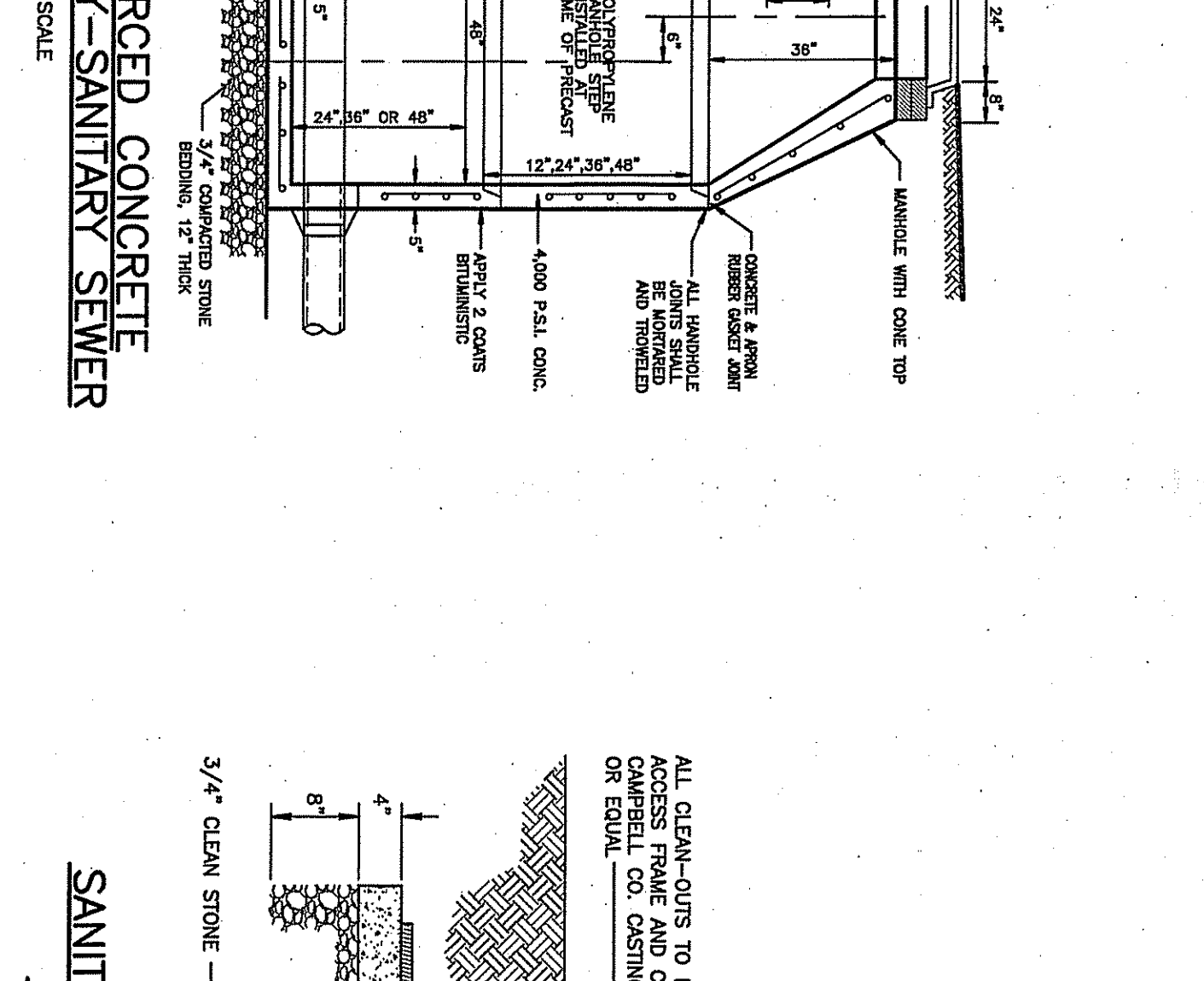
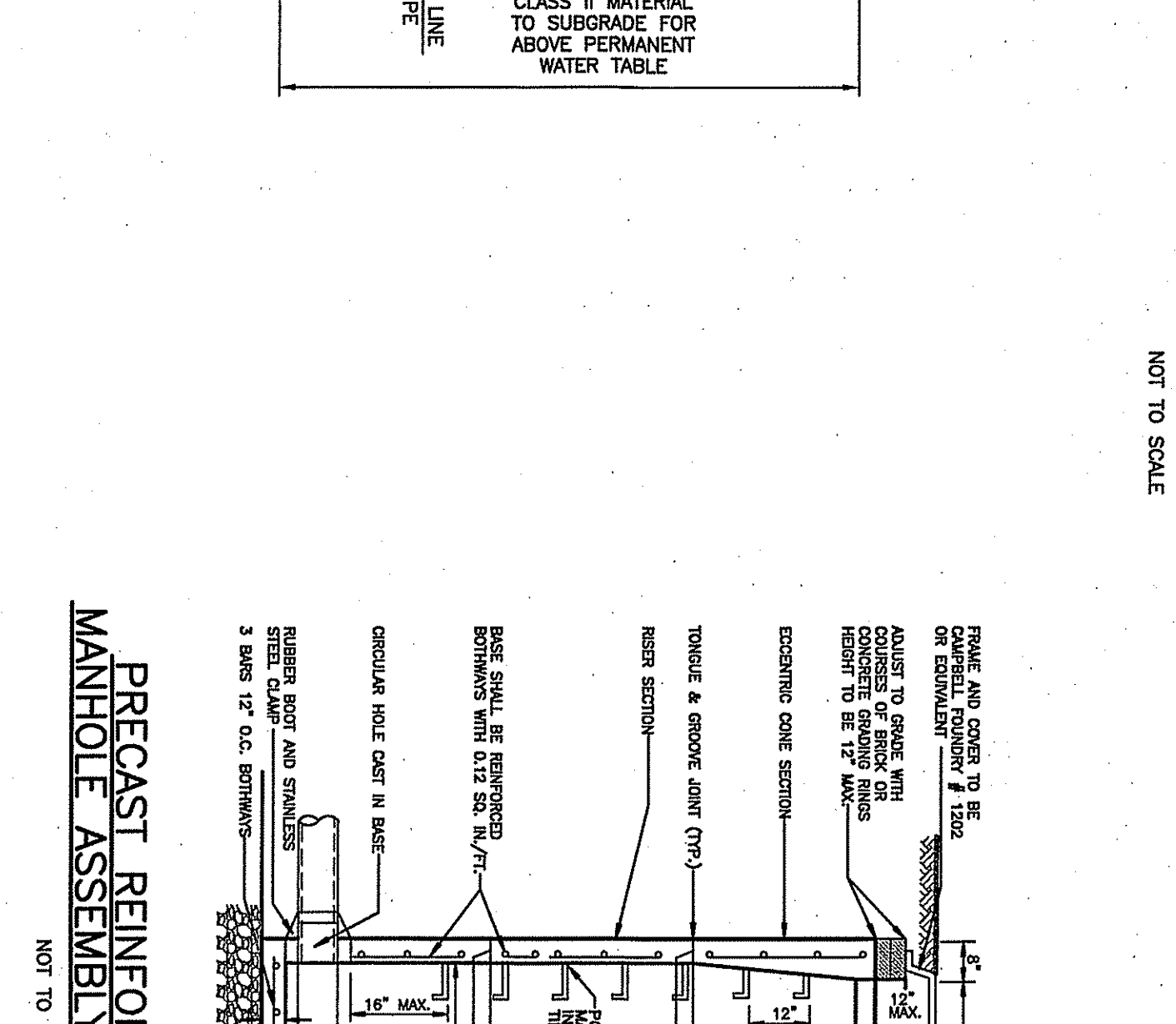
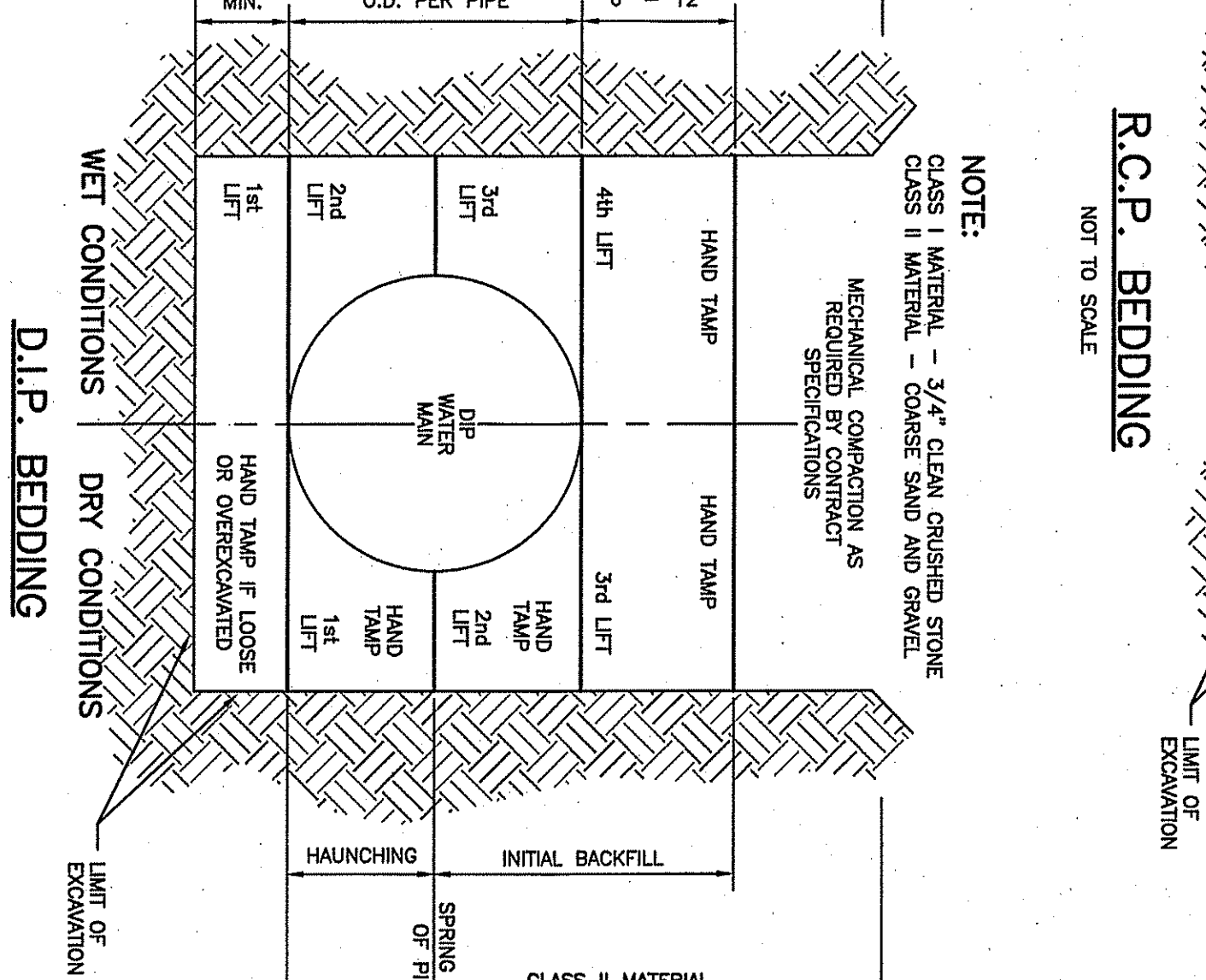
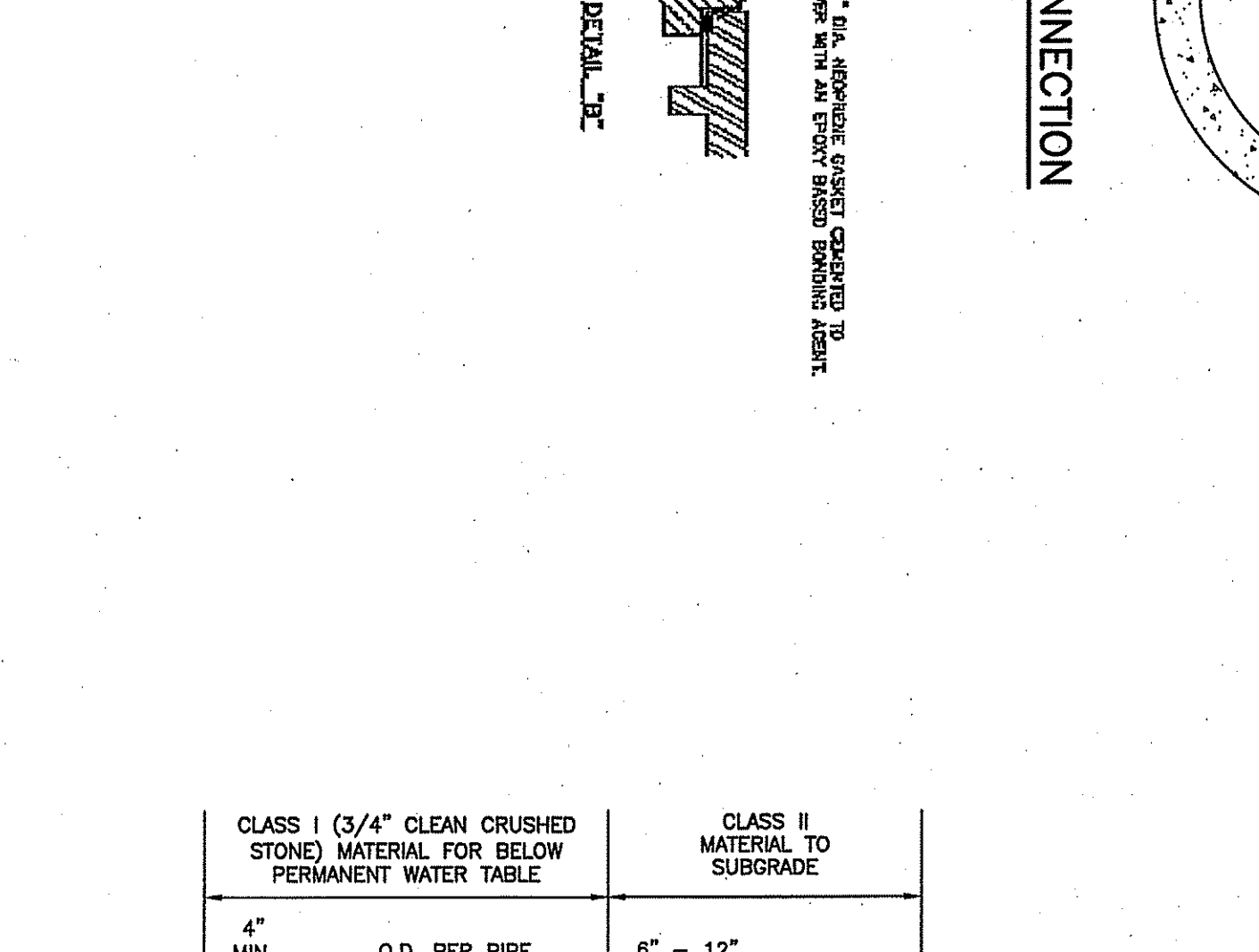
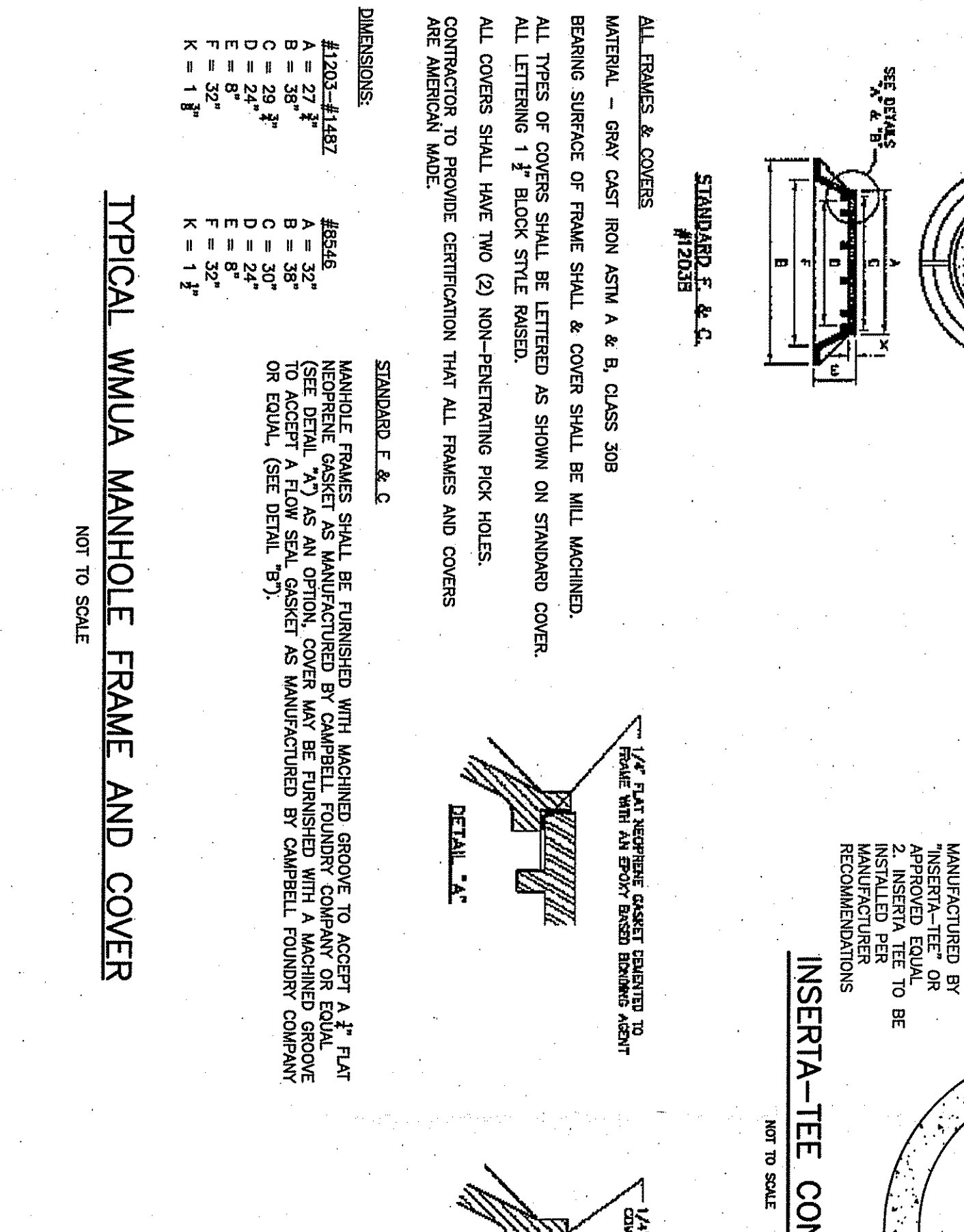
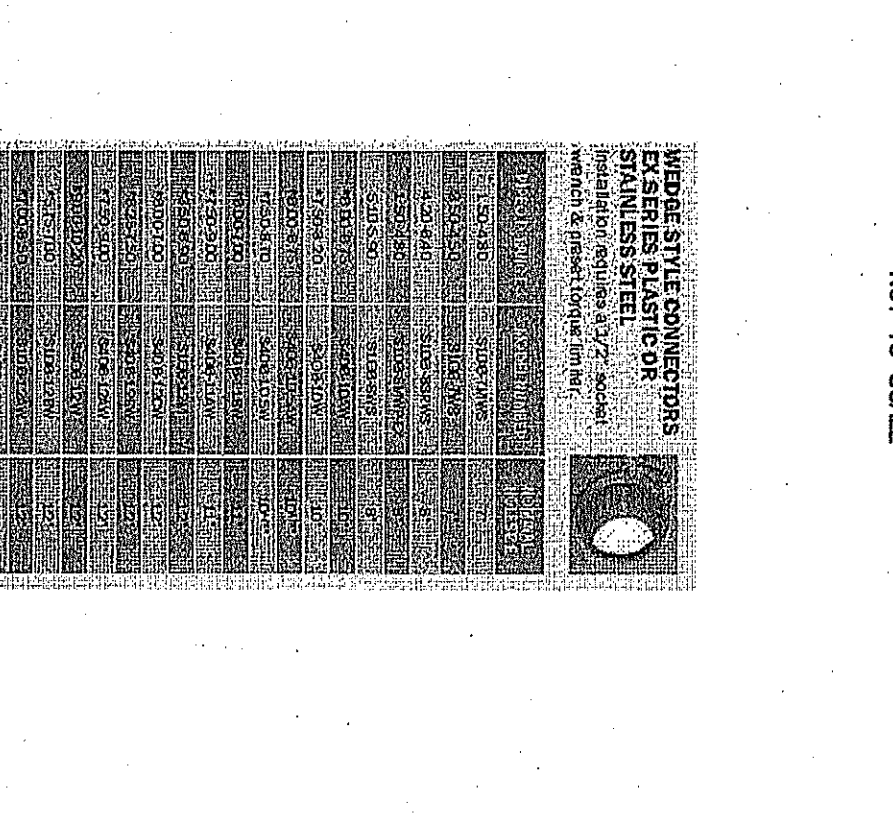
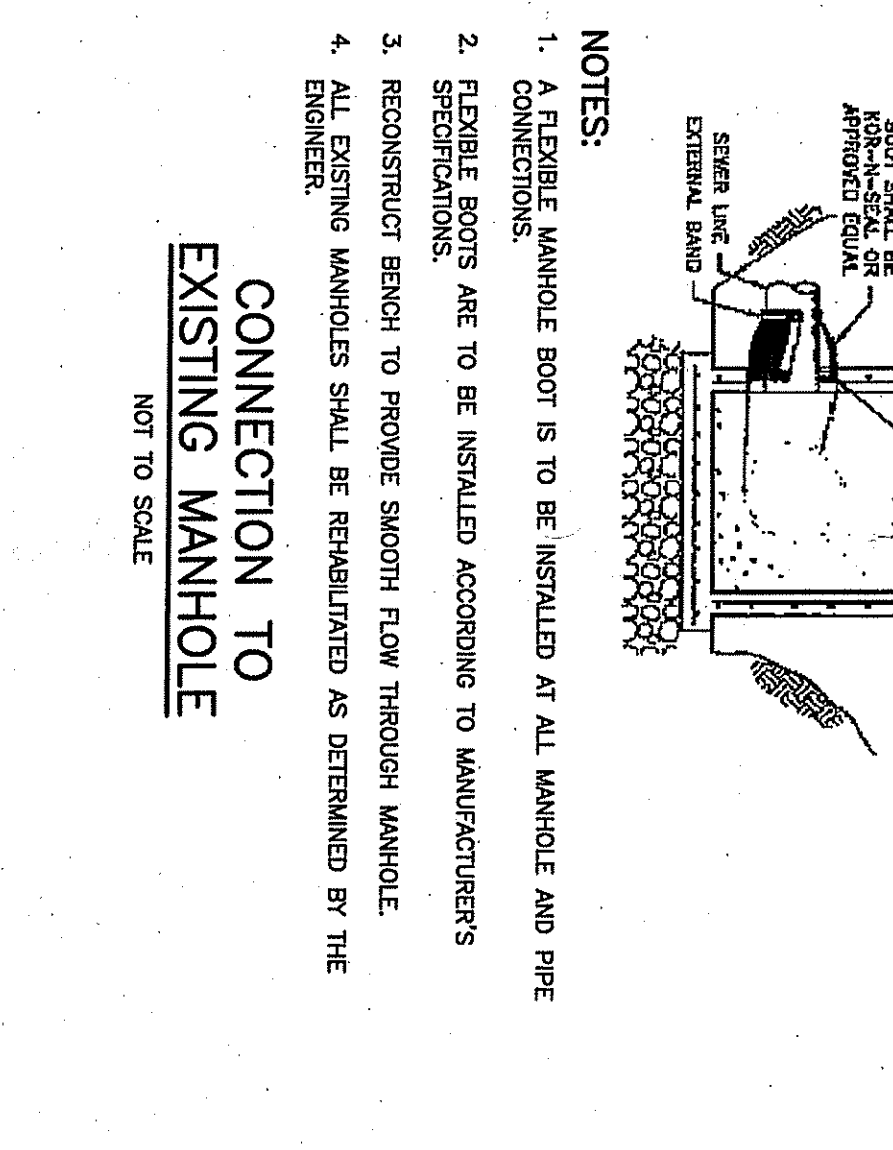
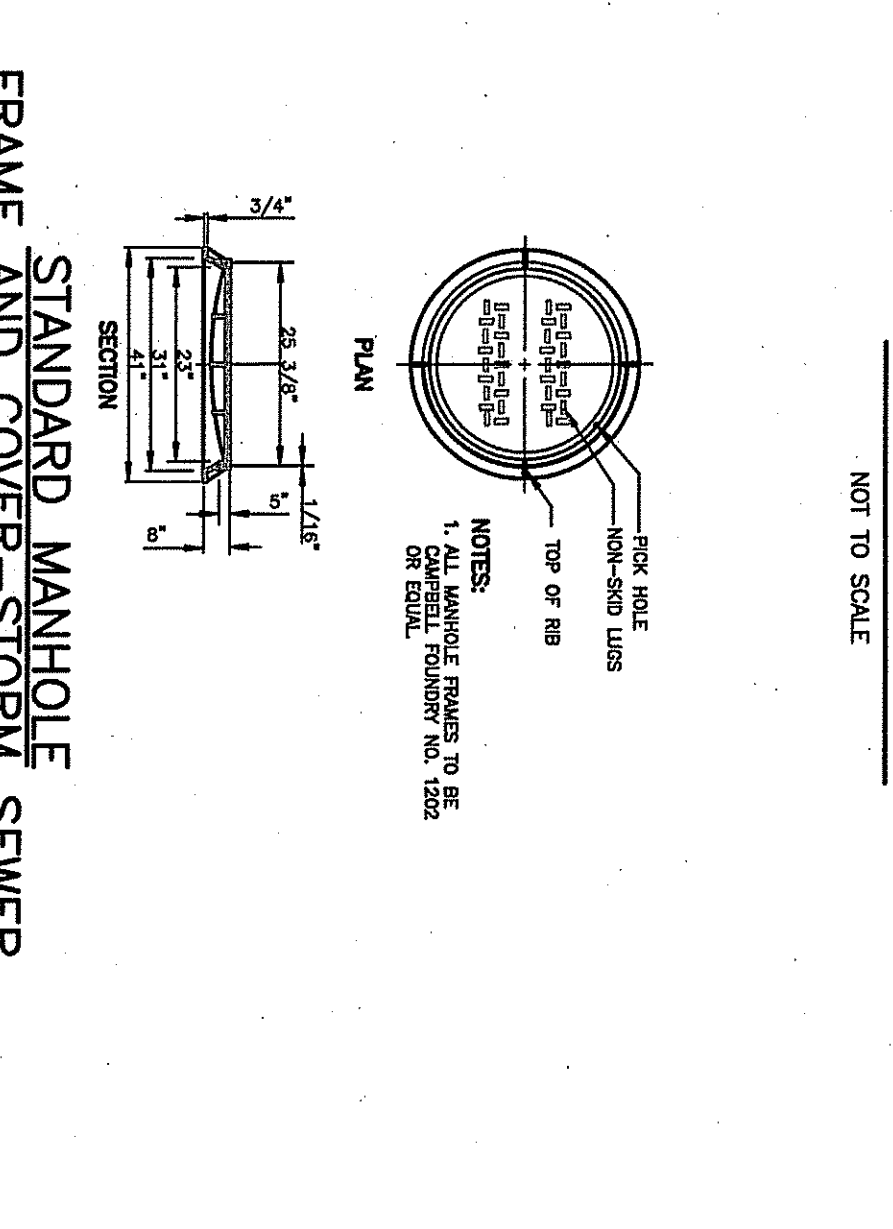
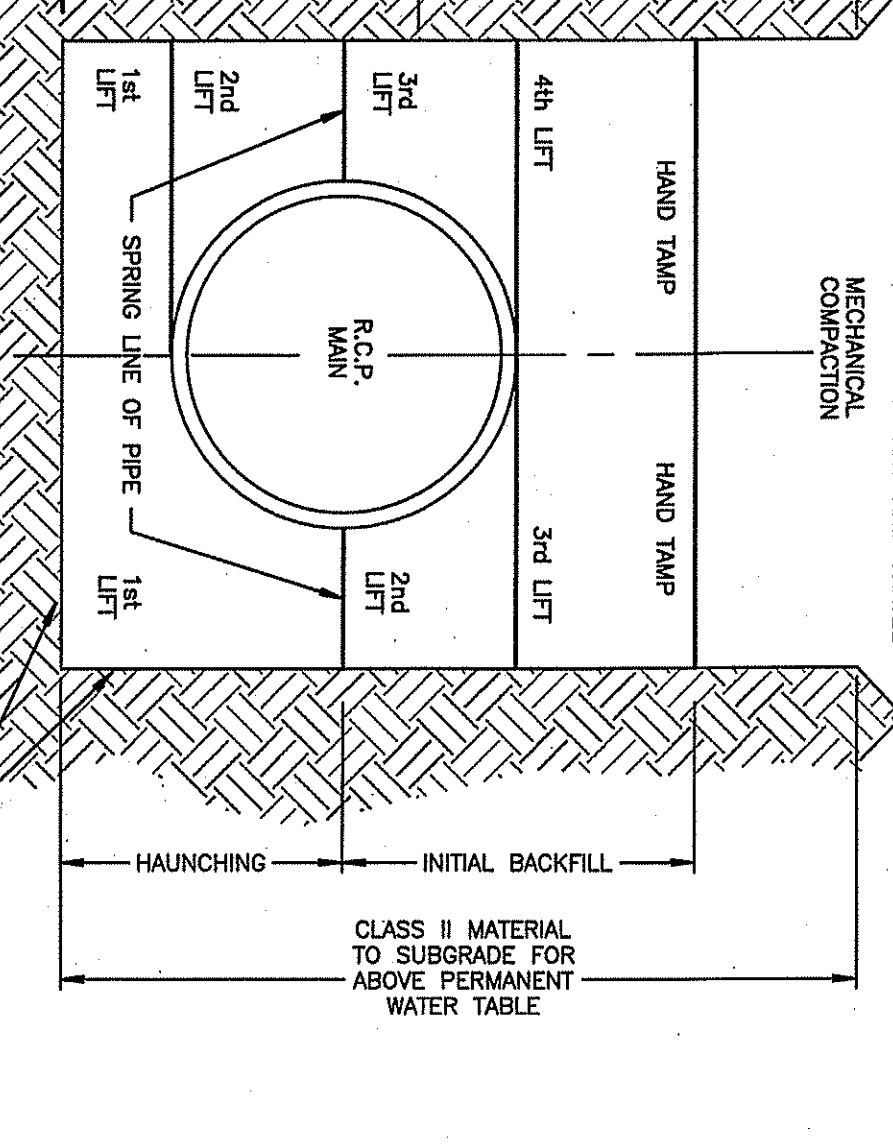
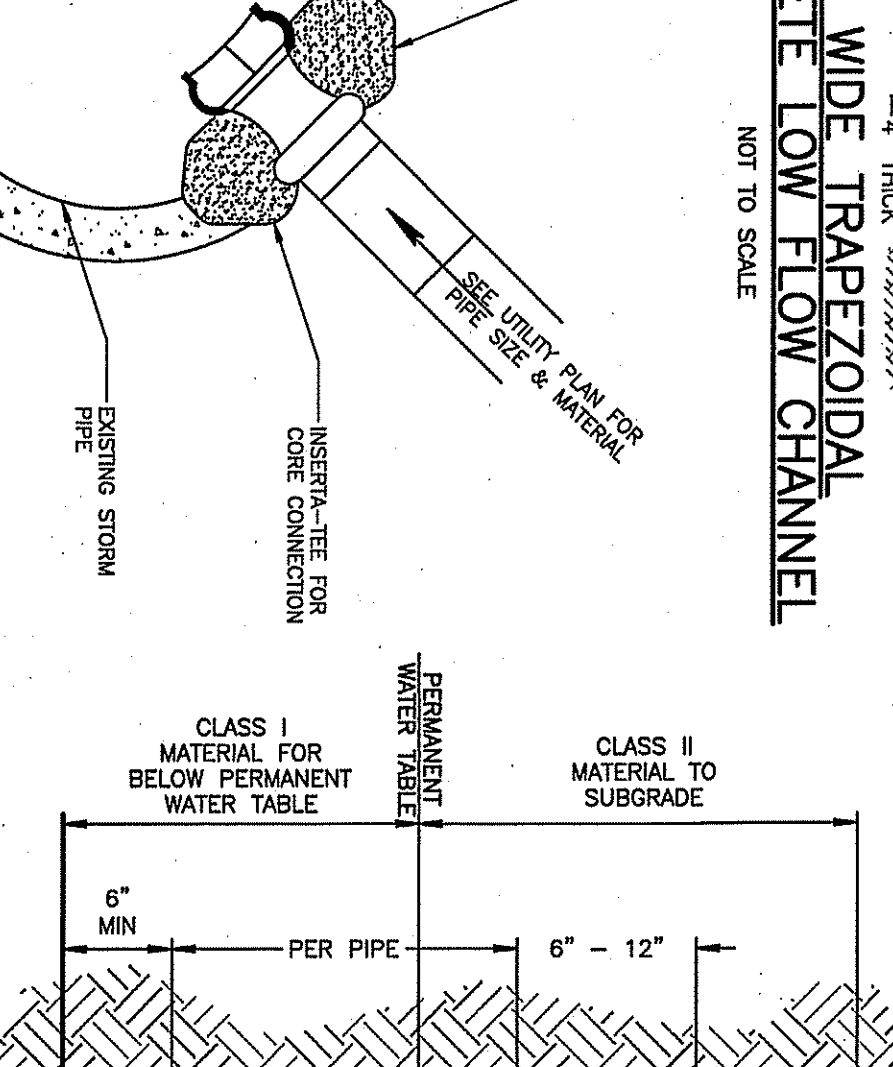
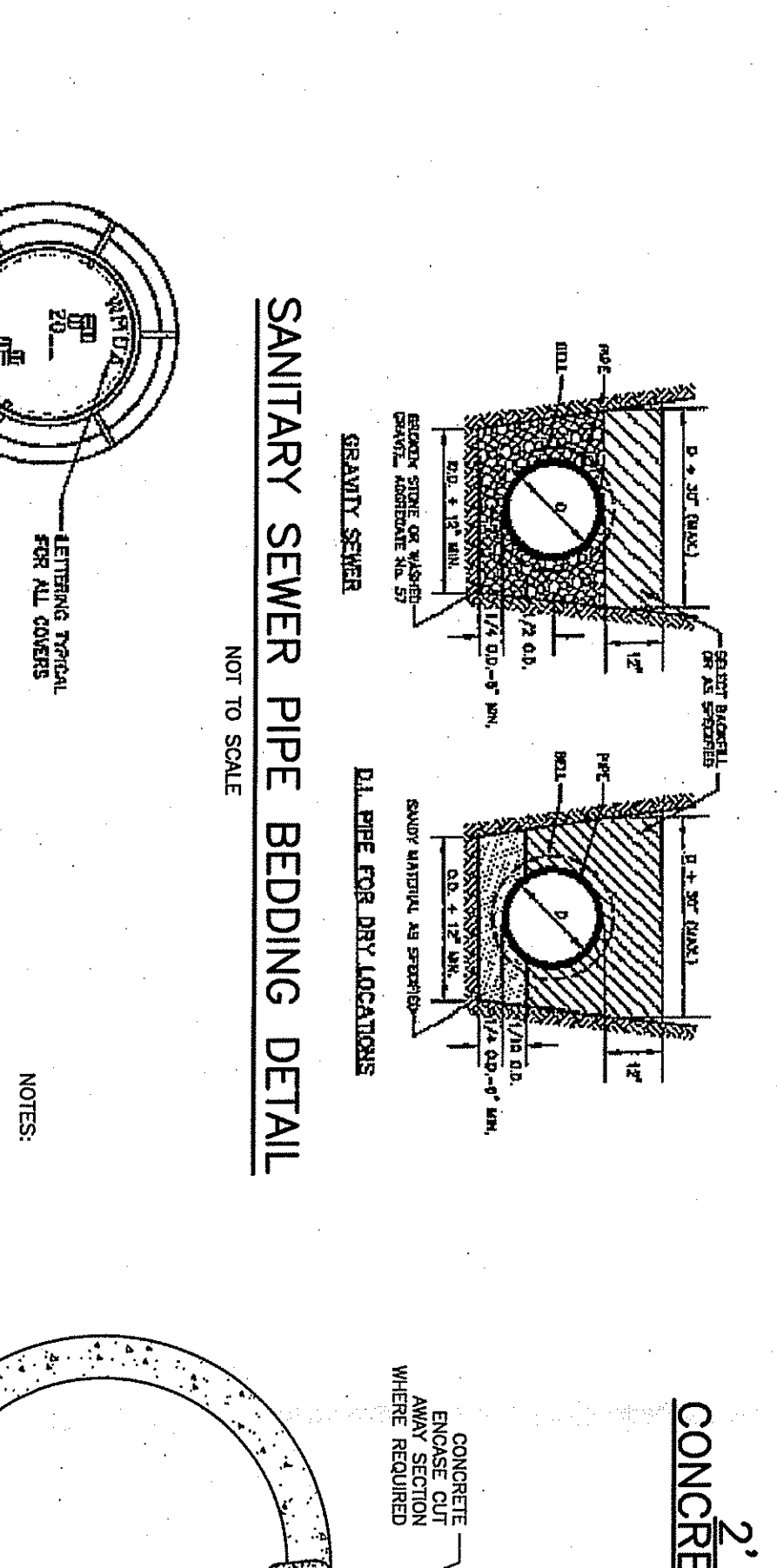
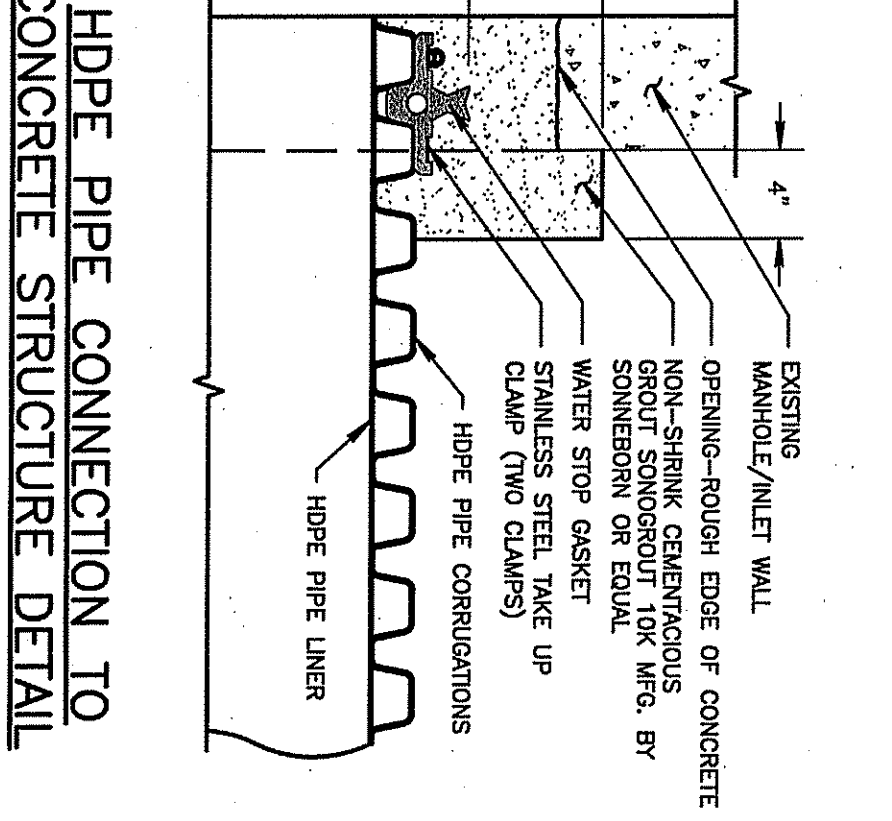
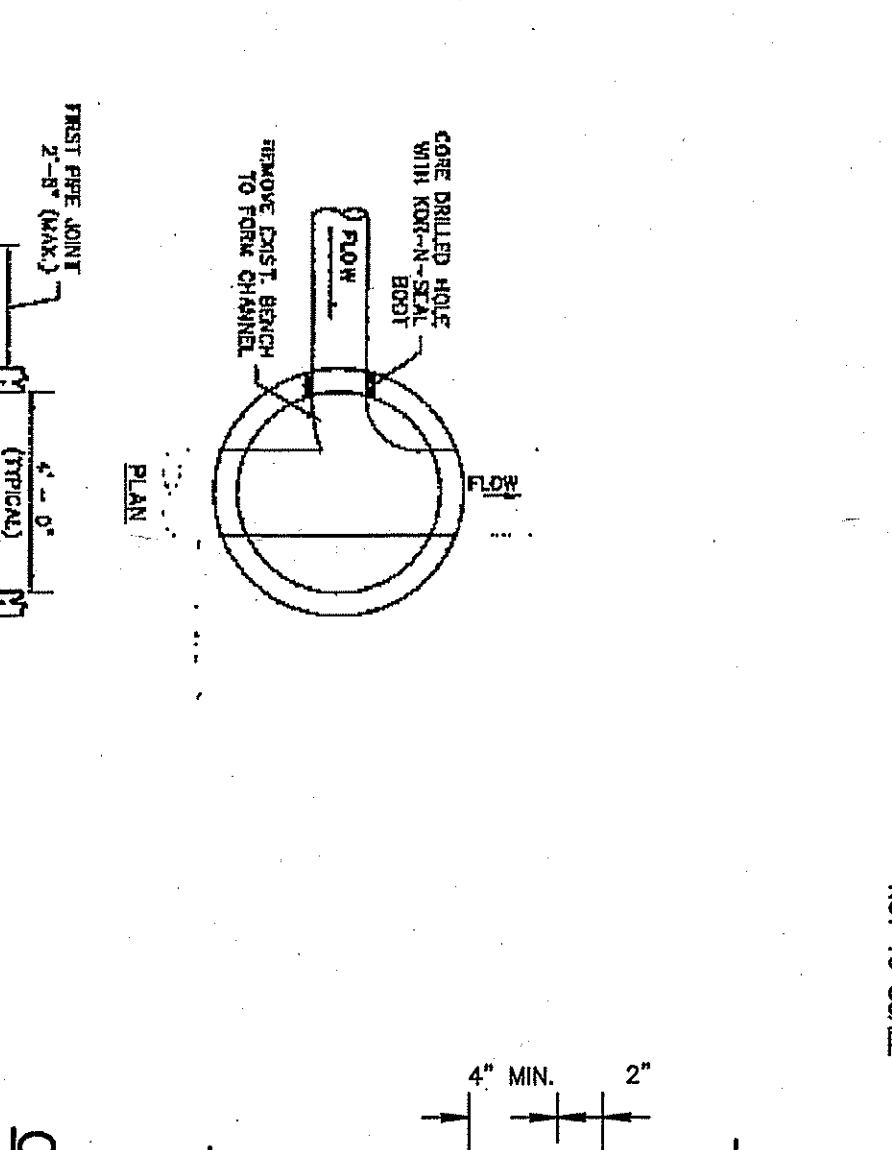
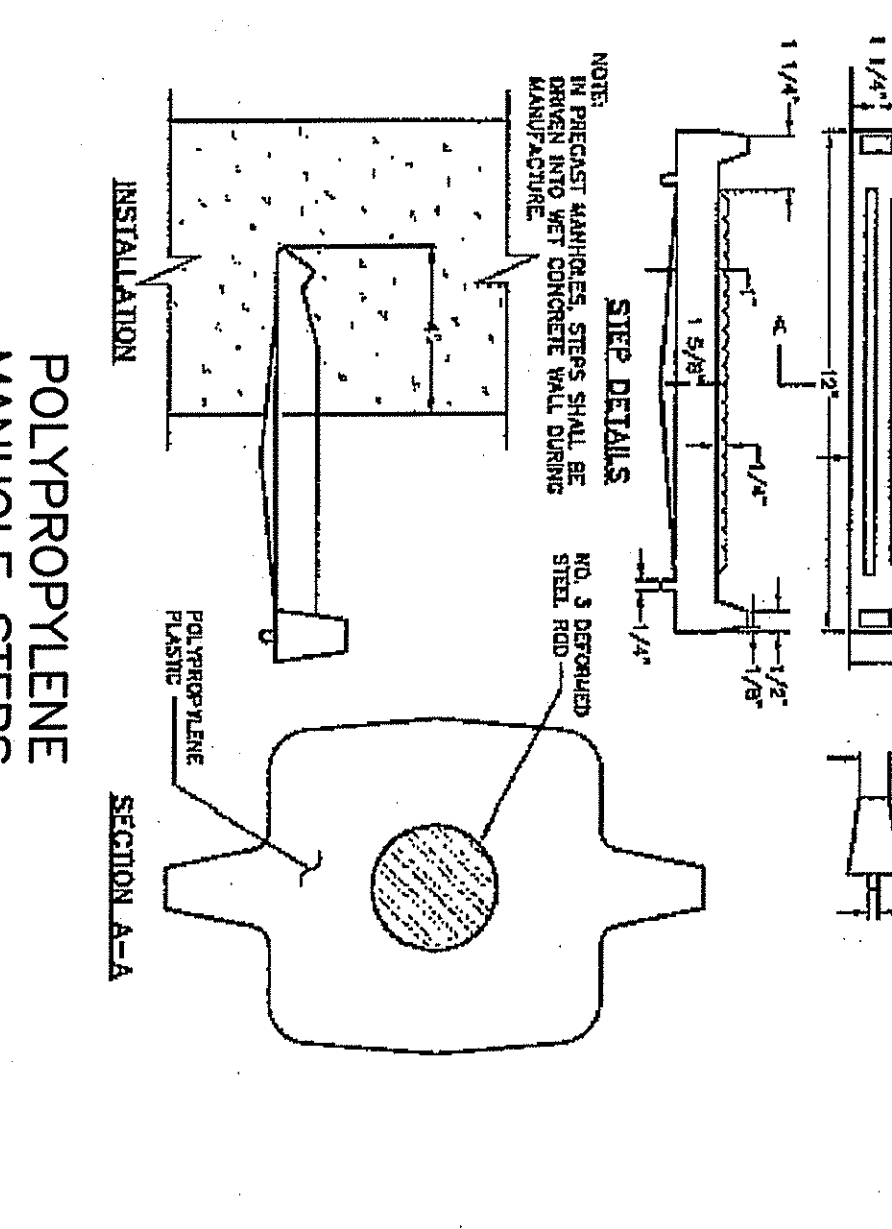
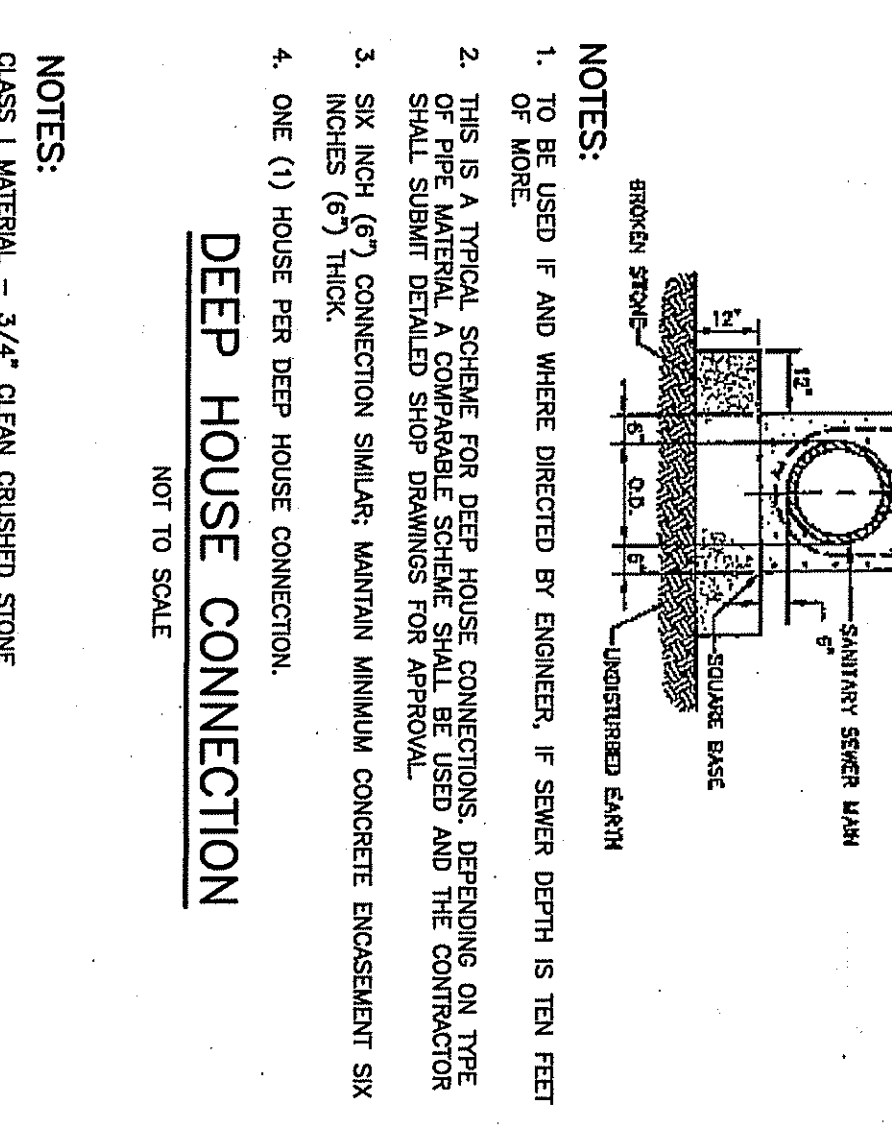
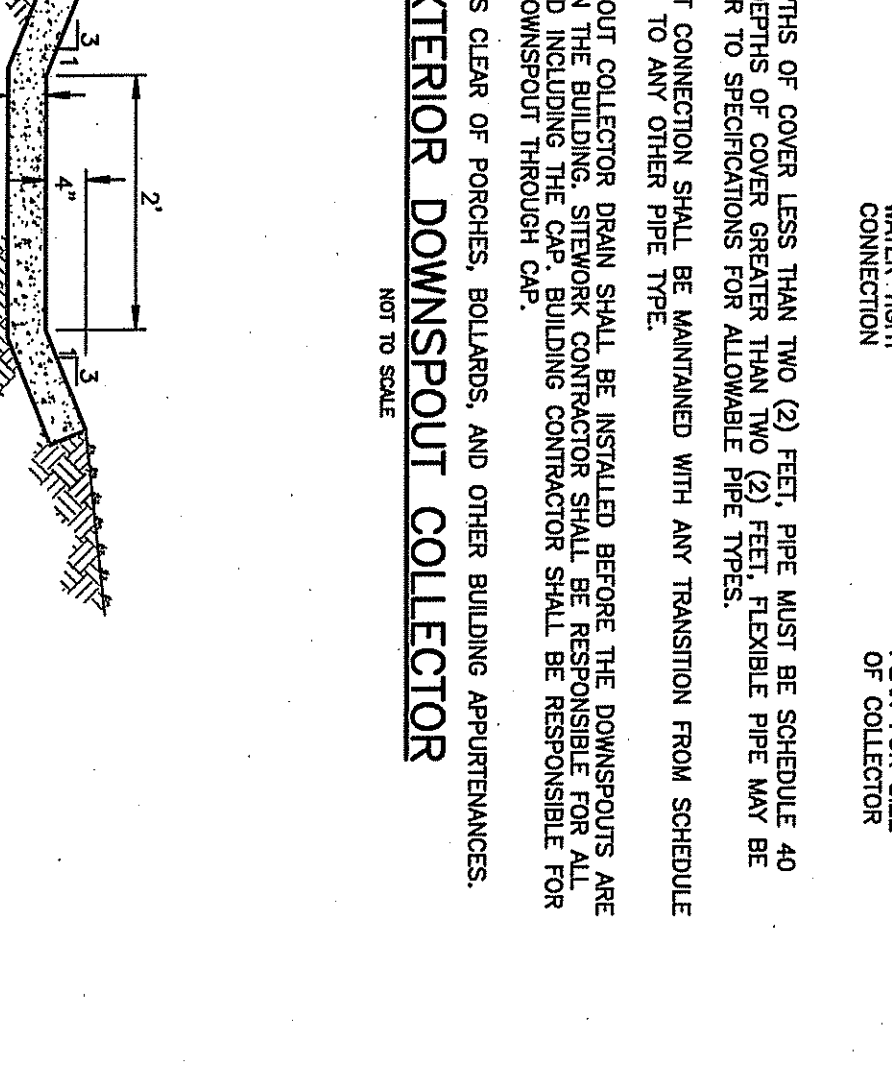
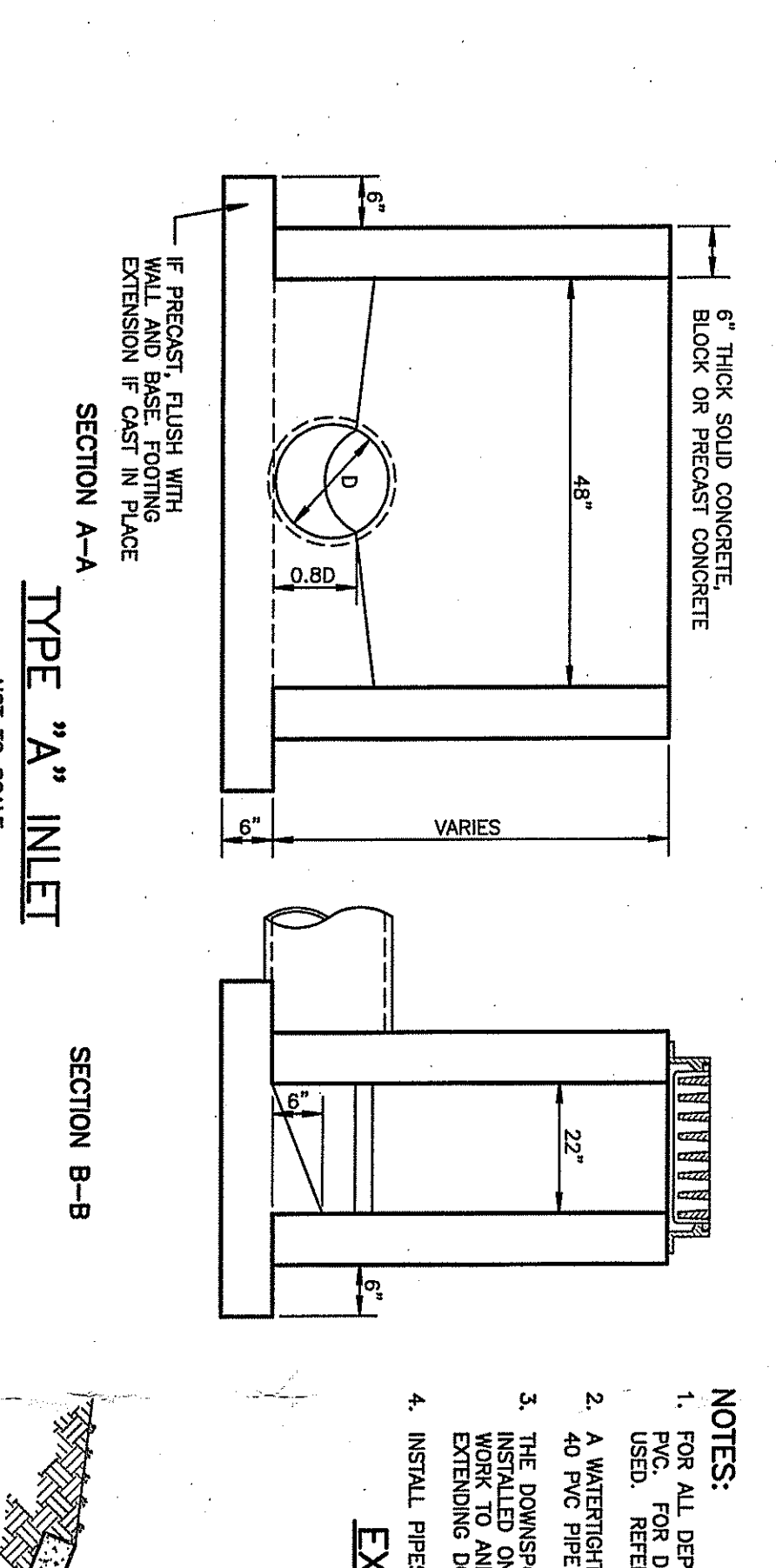
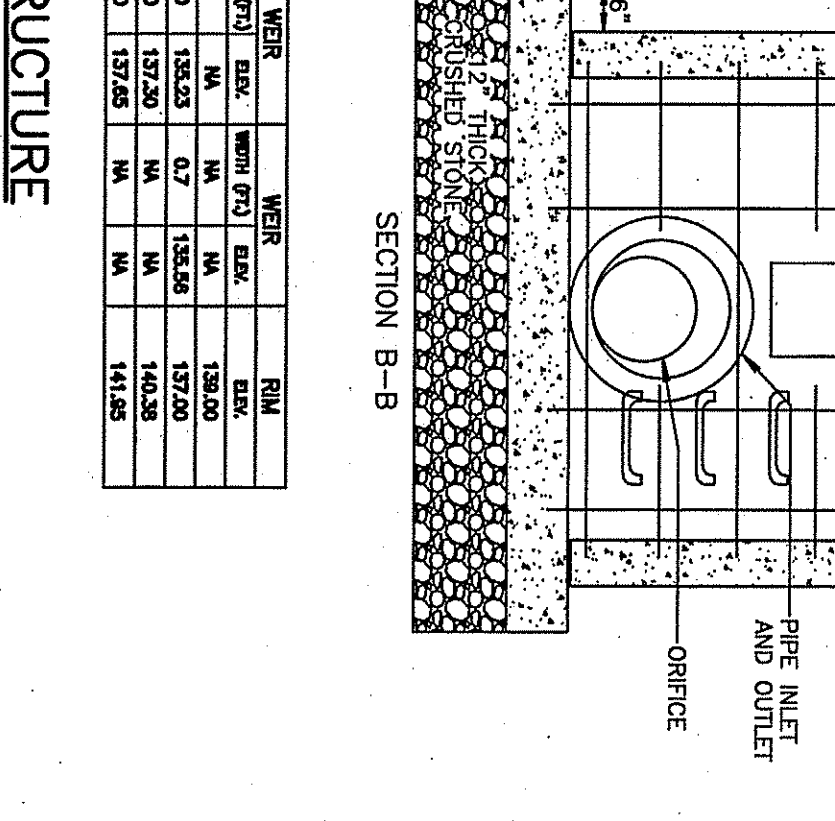
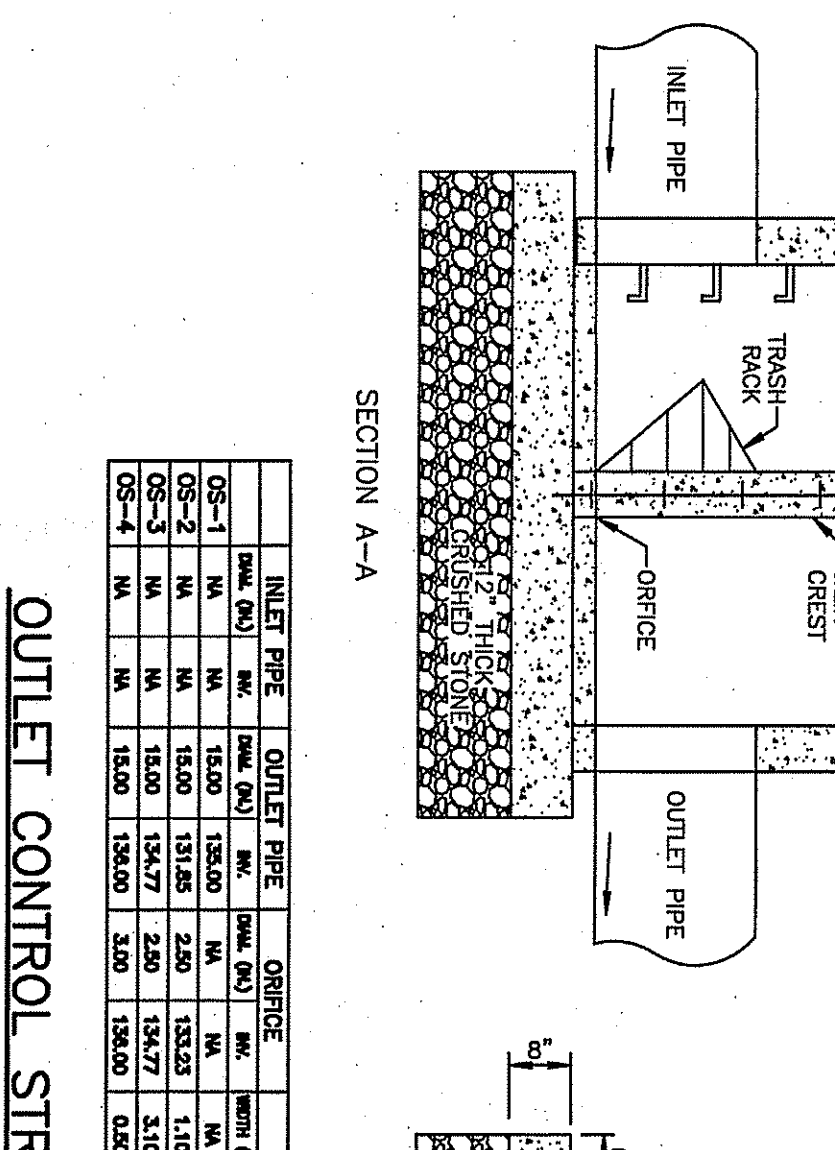
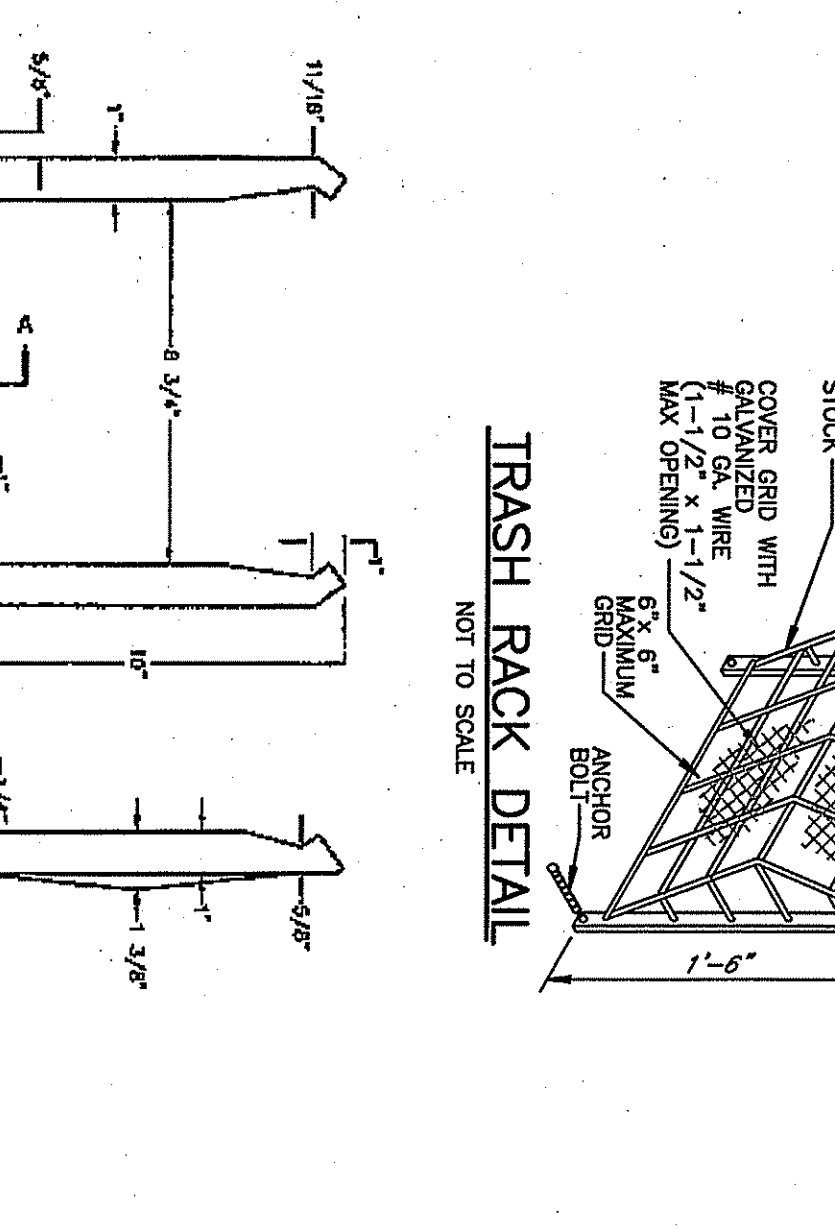
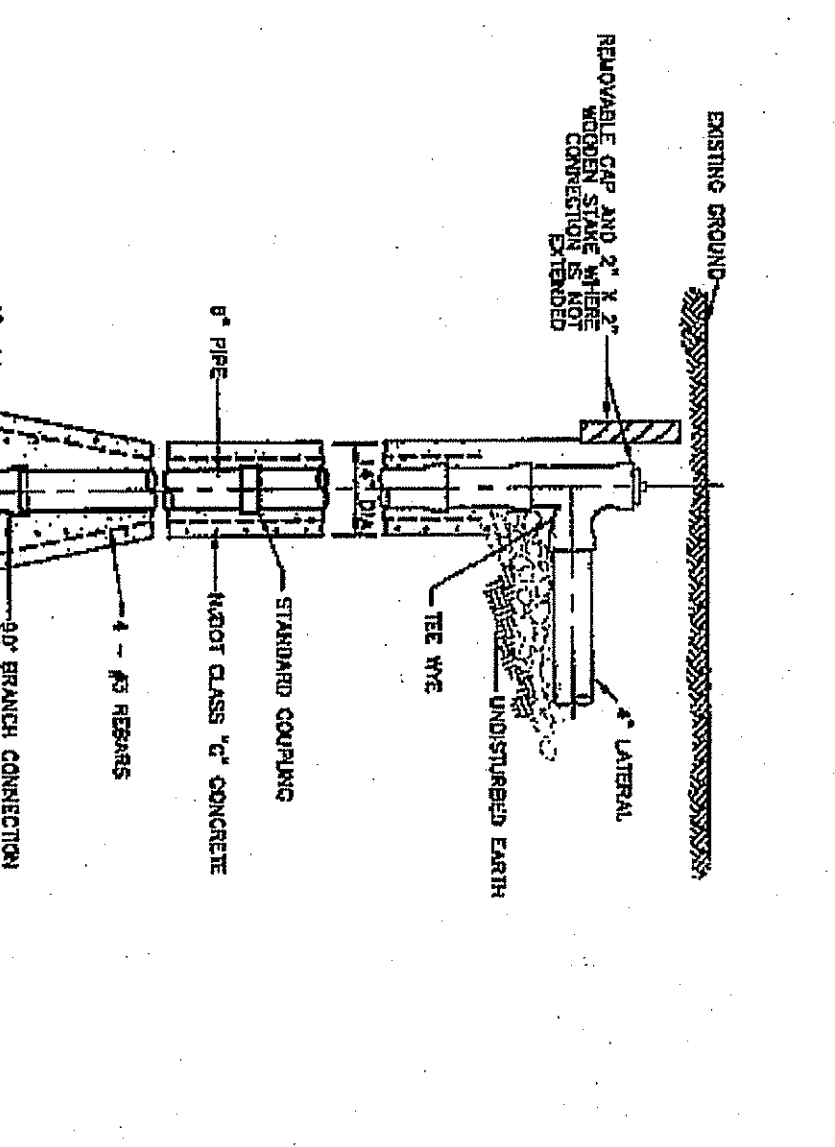
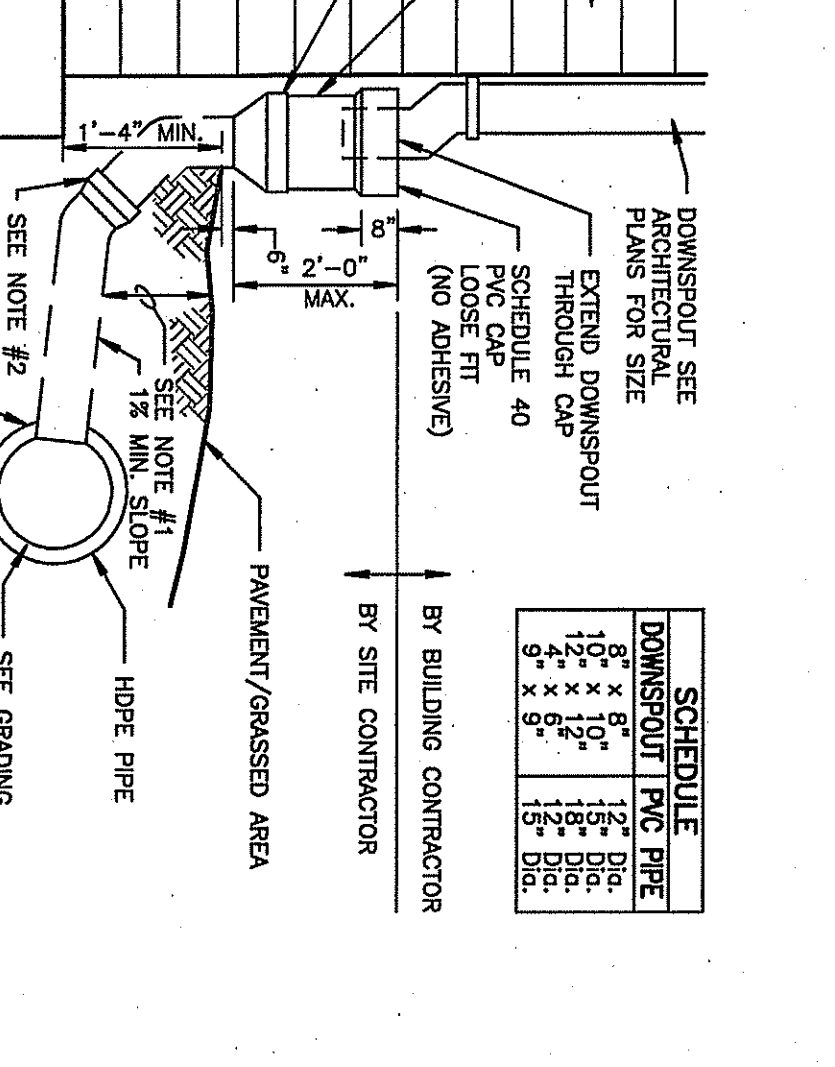
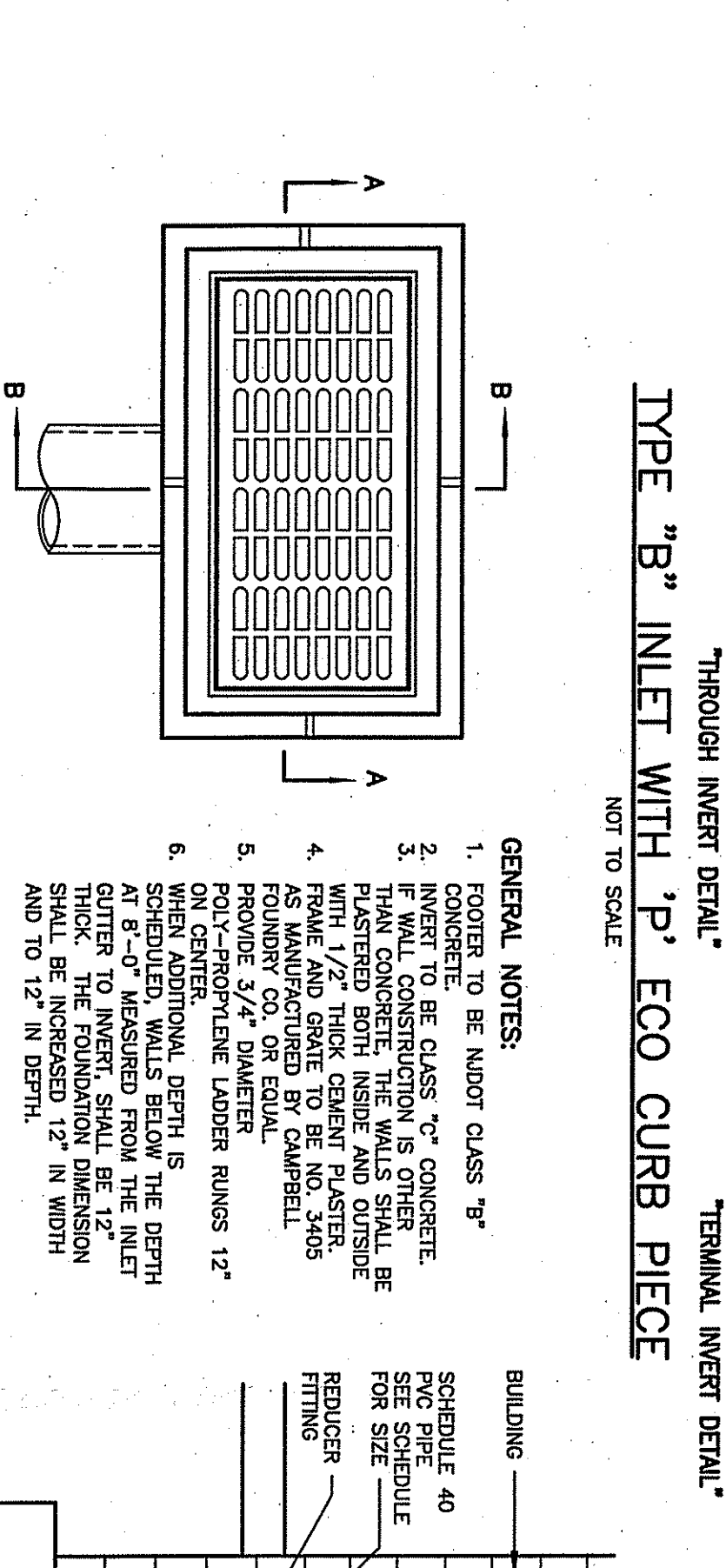
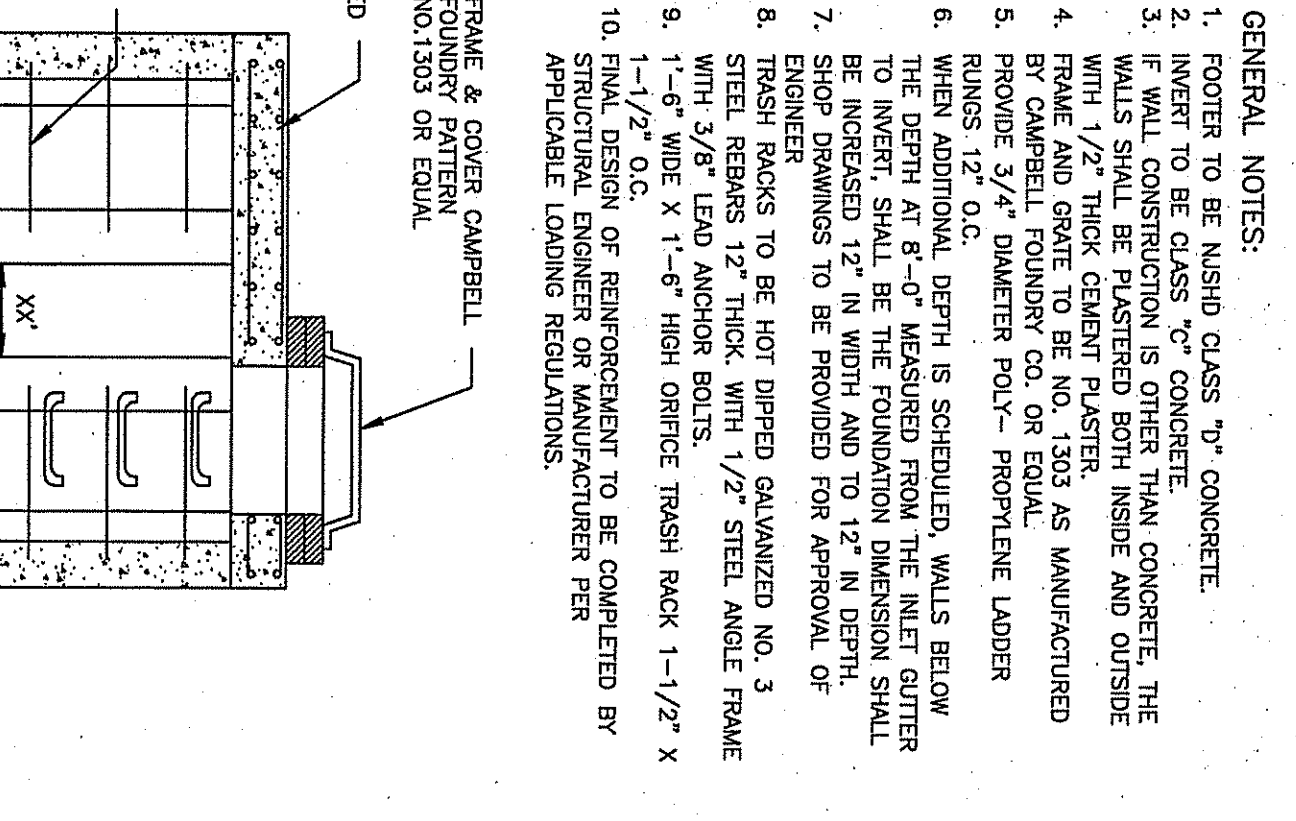
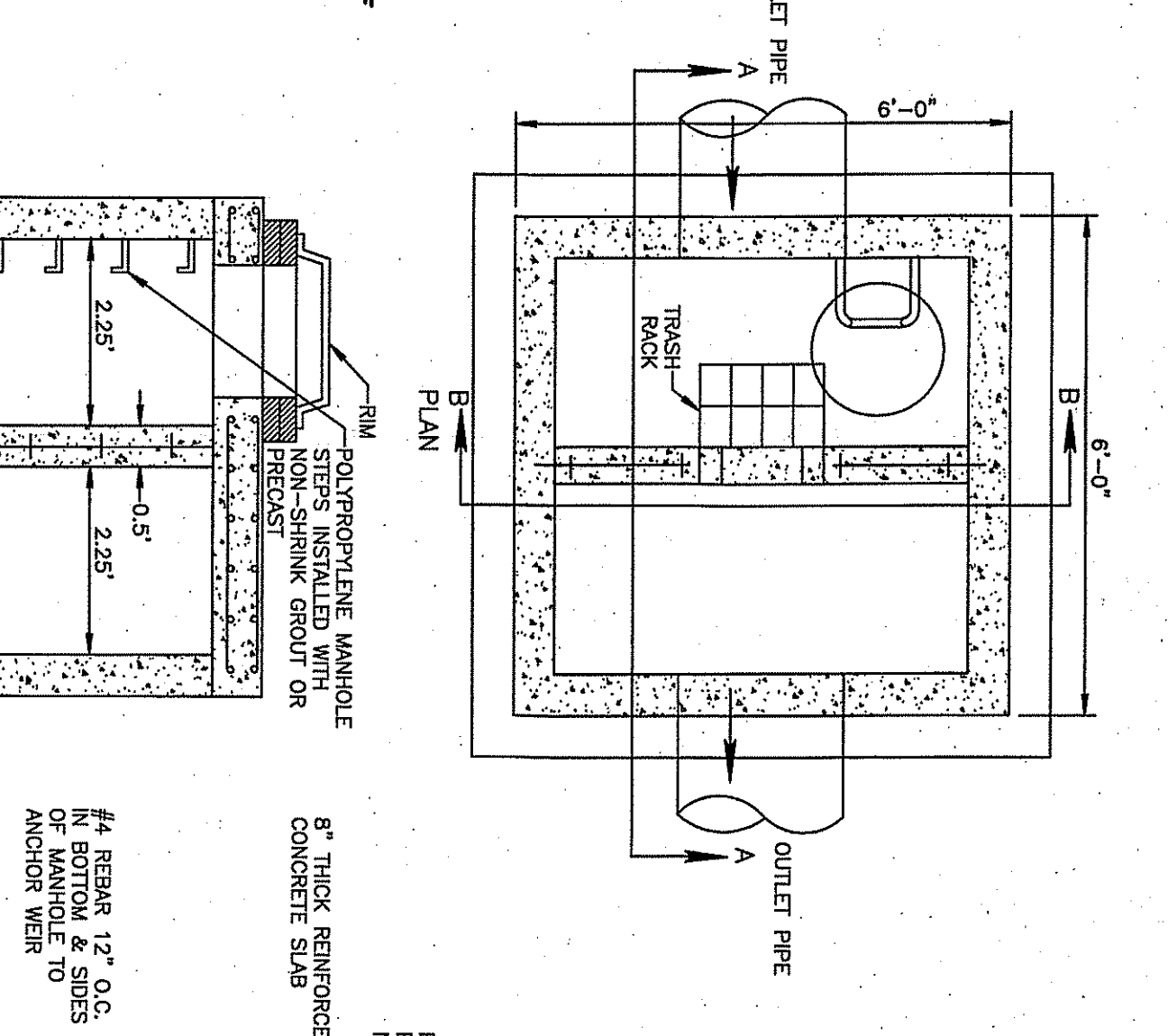
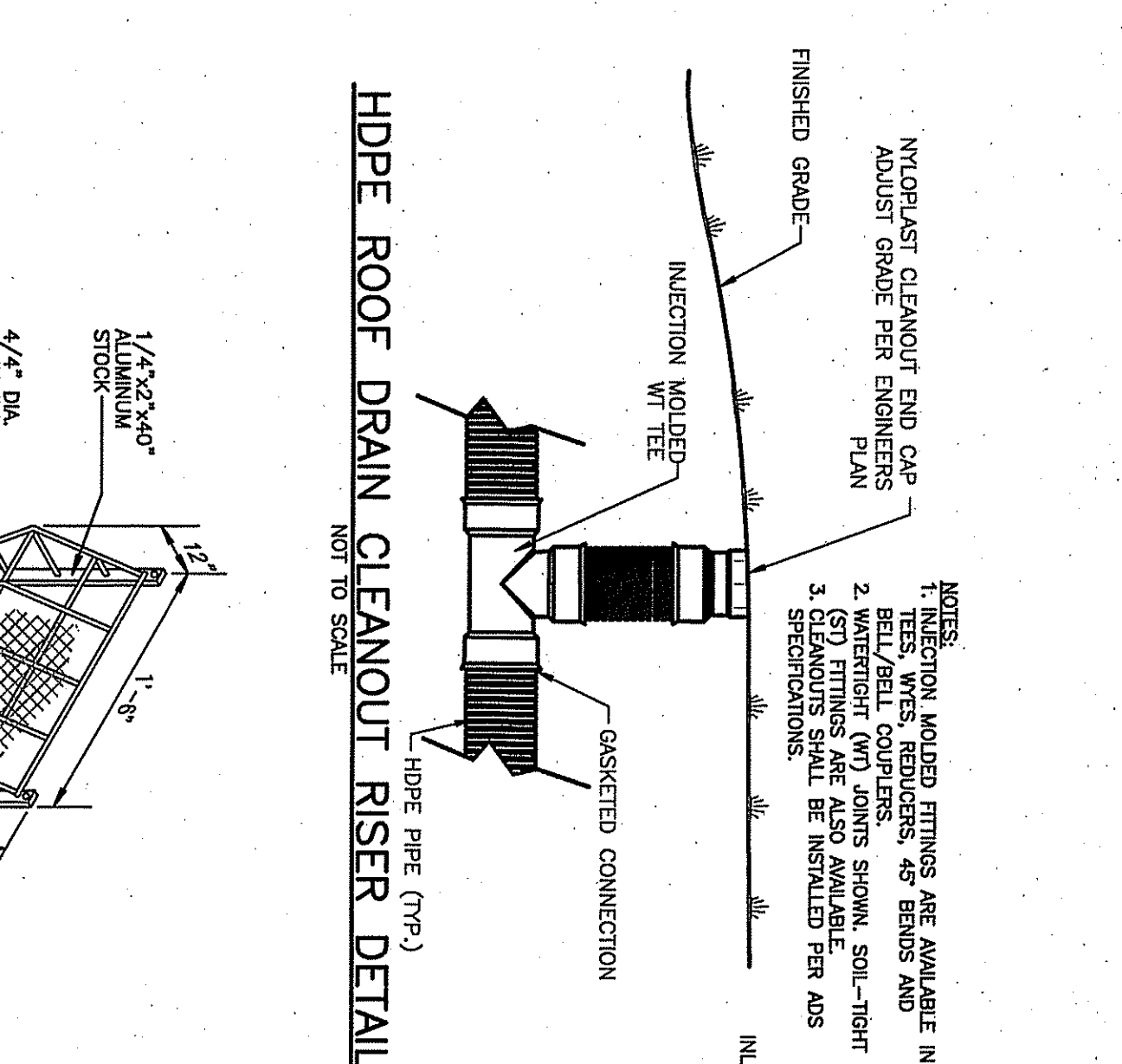
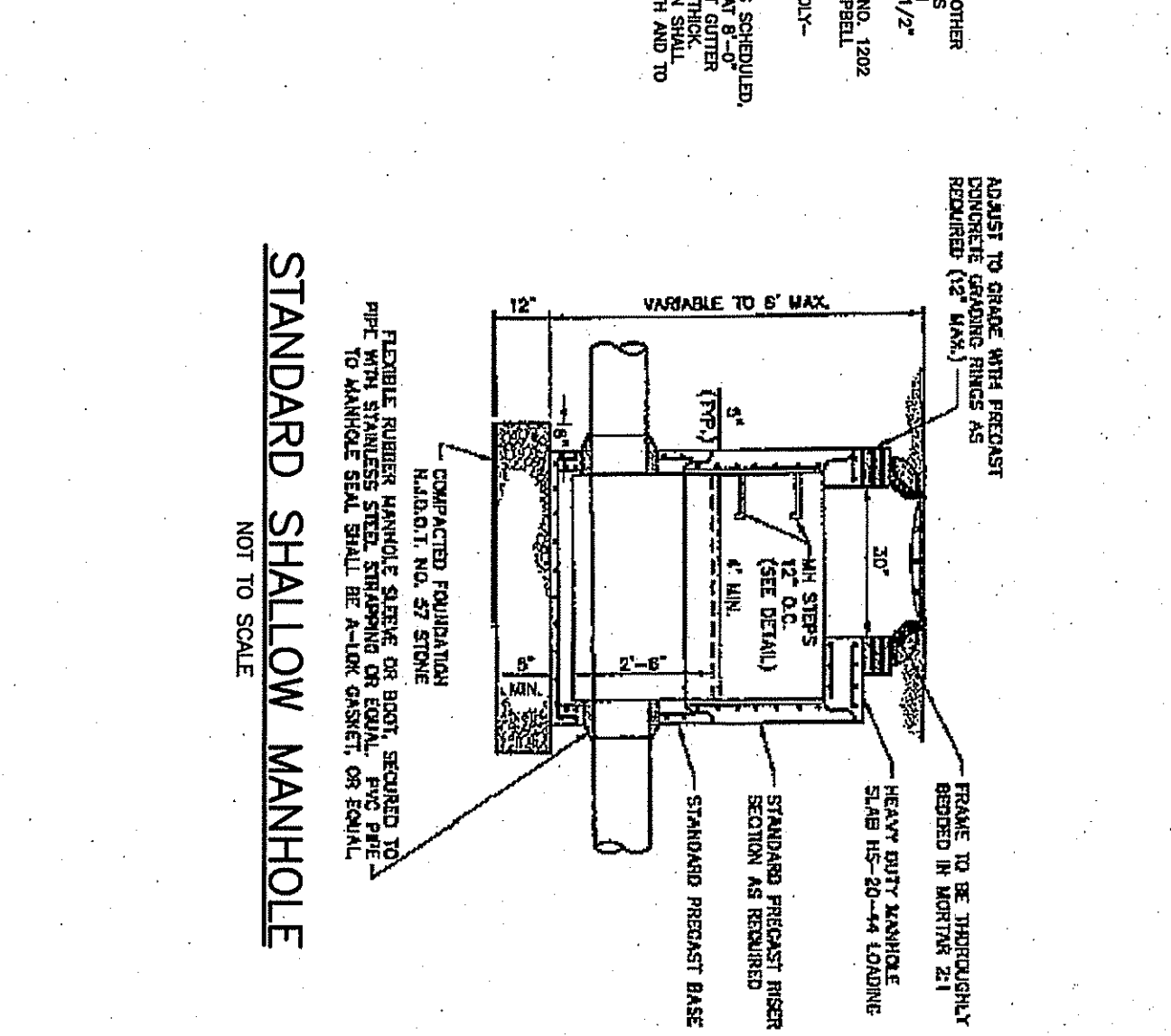
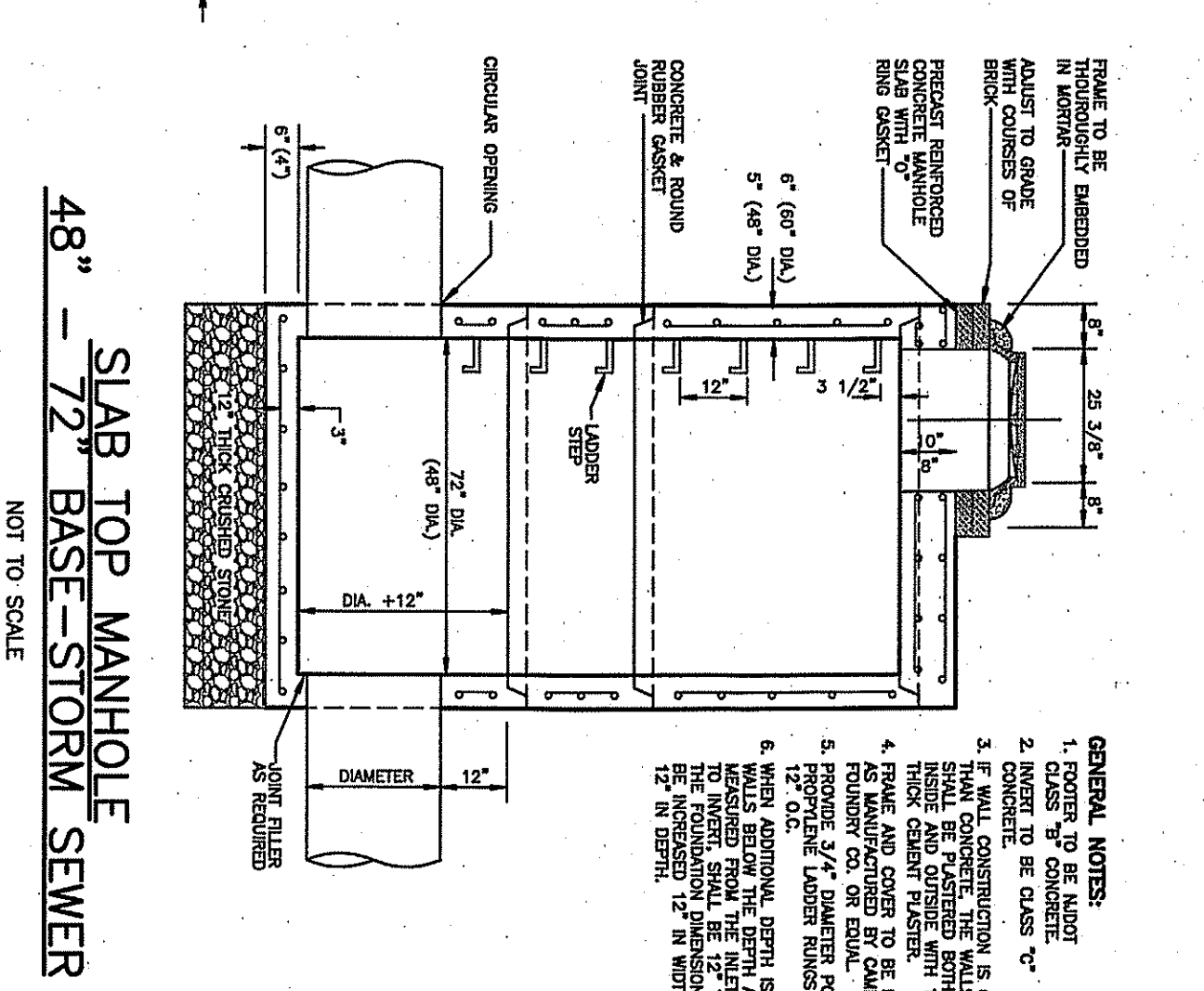
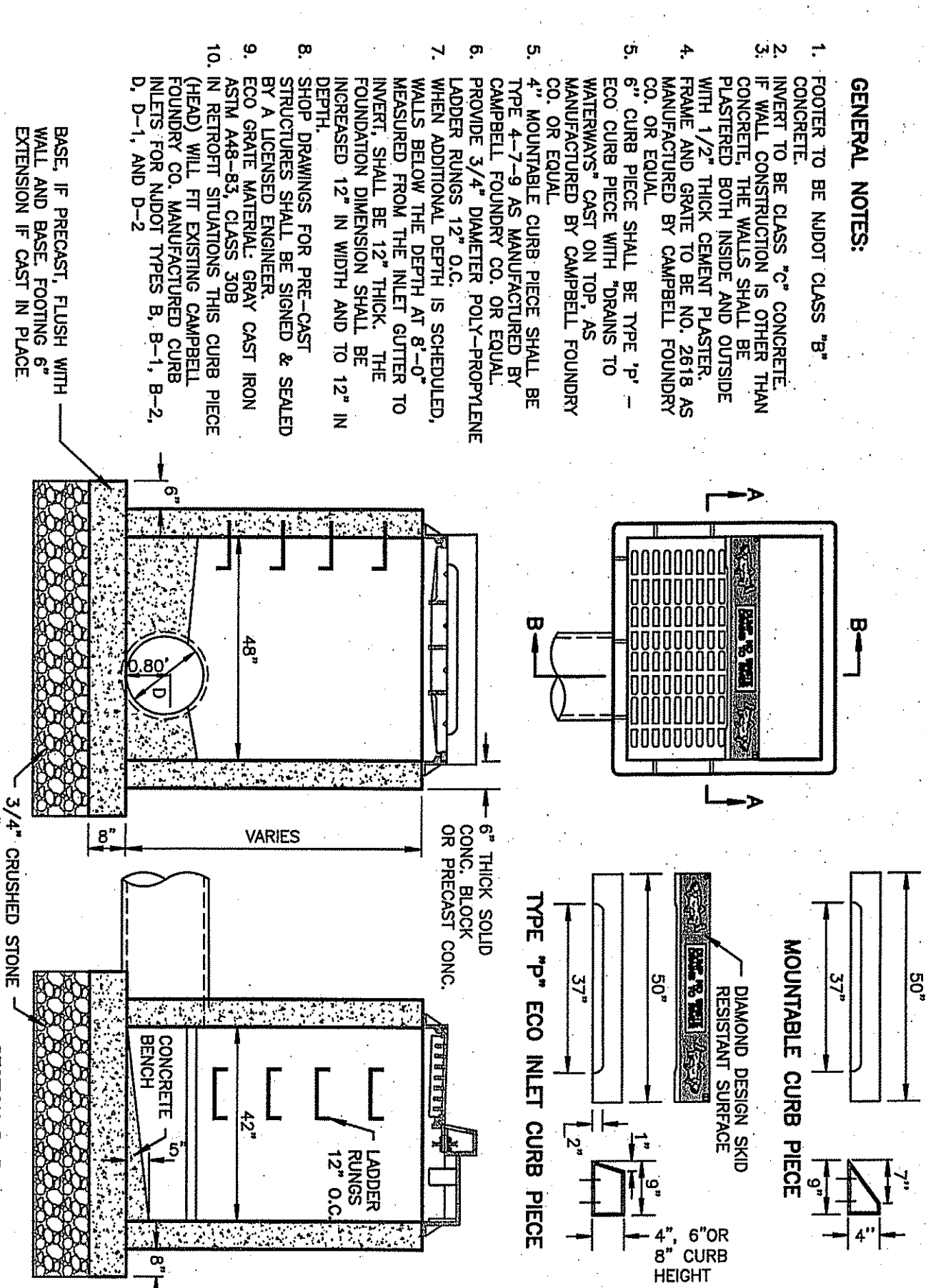
| PERCENT SLOPE OF ROADWAY | DEPTH OF STONE REQUIRED | PERCENT SLOPE OF ROADWAY | DEPTH OF STONE REQUIRED |
|--------------------------|-------------------------|--------------------------|-------------------------|
| 0 TO 2% | 50 FT. | 1% | 100 FT. |
| 2 TO 5% | 100 FT. | 2% | 200 FT. |
| >5% | 200 FT. | 5% | 500 FT. |

1-2 1/2" CLEAN CRUSHED ANGULAR STONE SHALL BE USED
 ENTIRE SURFACE STABILIZED WITH 1/2" MESH ASPHALT BASE COURSE, MKR 1-2-1
 1 AS PRESCRIBED BY LOCAL ORDINANCE OR OTHER GOVERNING AUTHORITY.



NOTE: STOCKPILES ARE NOT TO BE LOCATED WITHIN 50 FEET OF A ROADWAY, DRIVEWAY, OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES TO BE PROTECTED BY A STORM BALE BARRIER OR SILT FENCE.





CONSTRUCTION DETAILS

PRELIMINARY AND FINAL MAJOR SITE PLANS
MIXED-USE DEVELOPMENT
TAX LOT 44, BLOCK 213.01

SITUATED IN
 TOWNSHIP OF MARLBORO, MONMOUTH COUNTY, NEW JERSEY

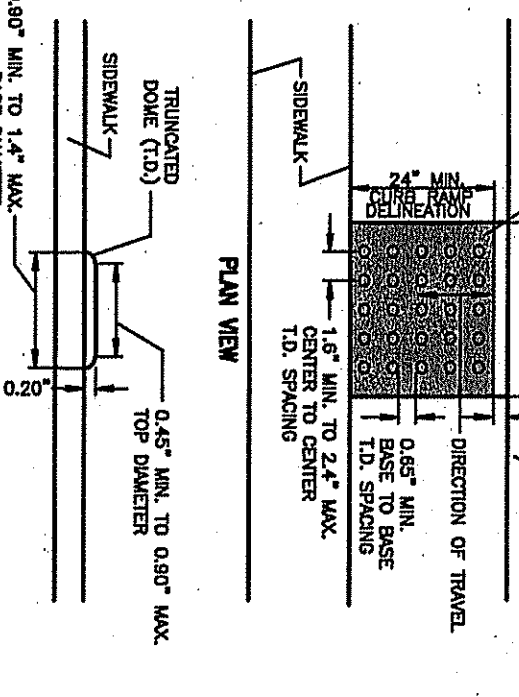
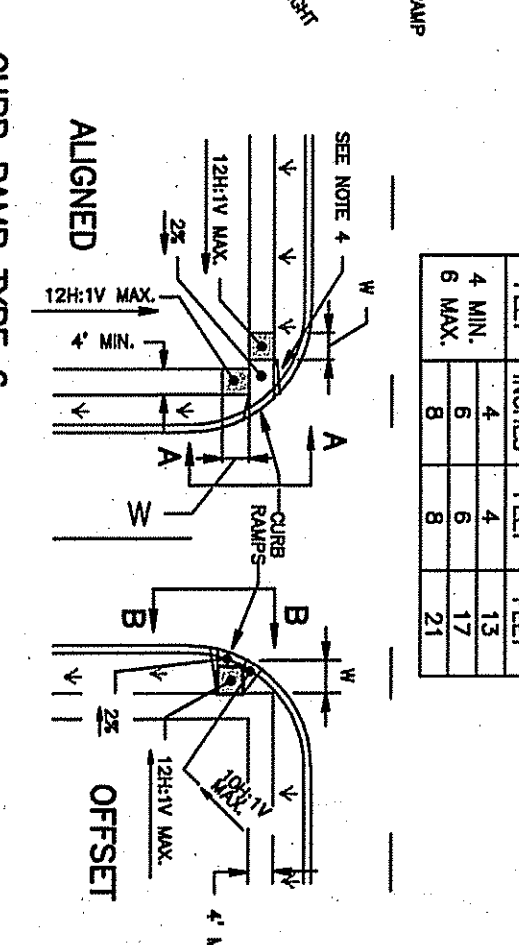
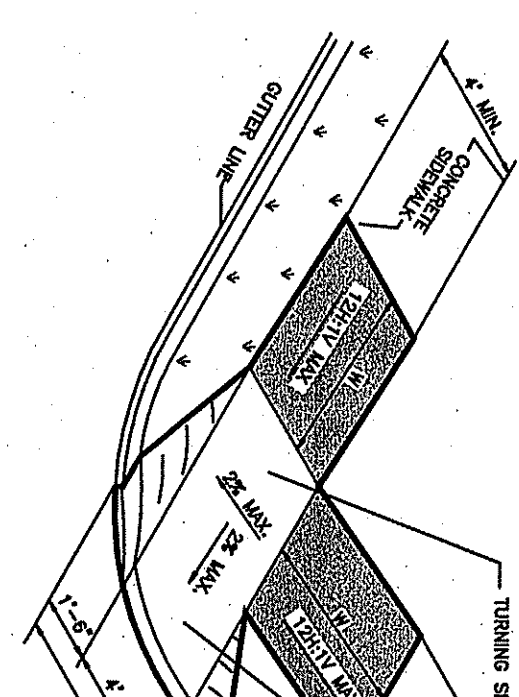
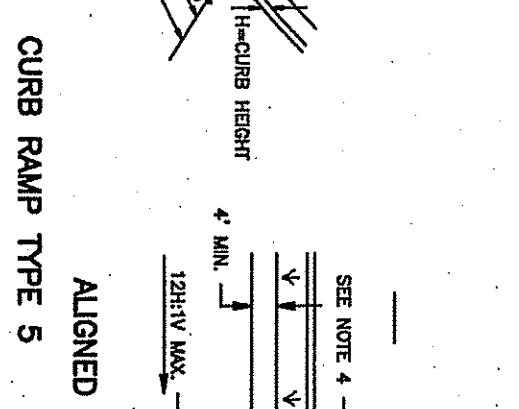
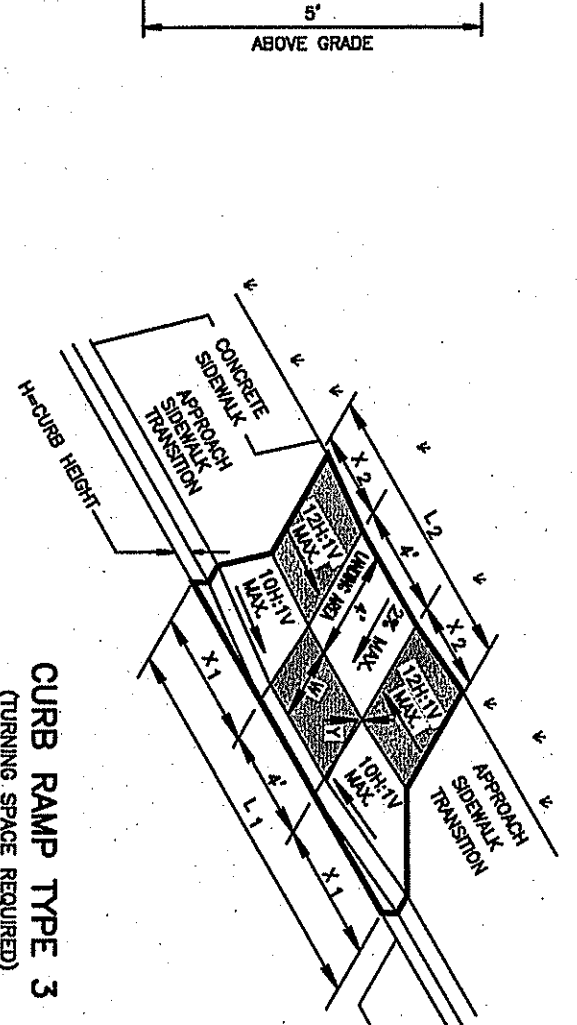
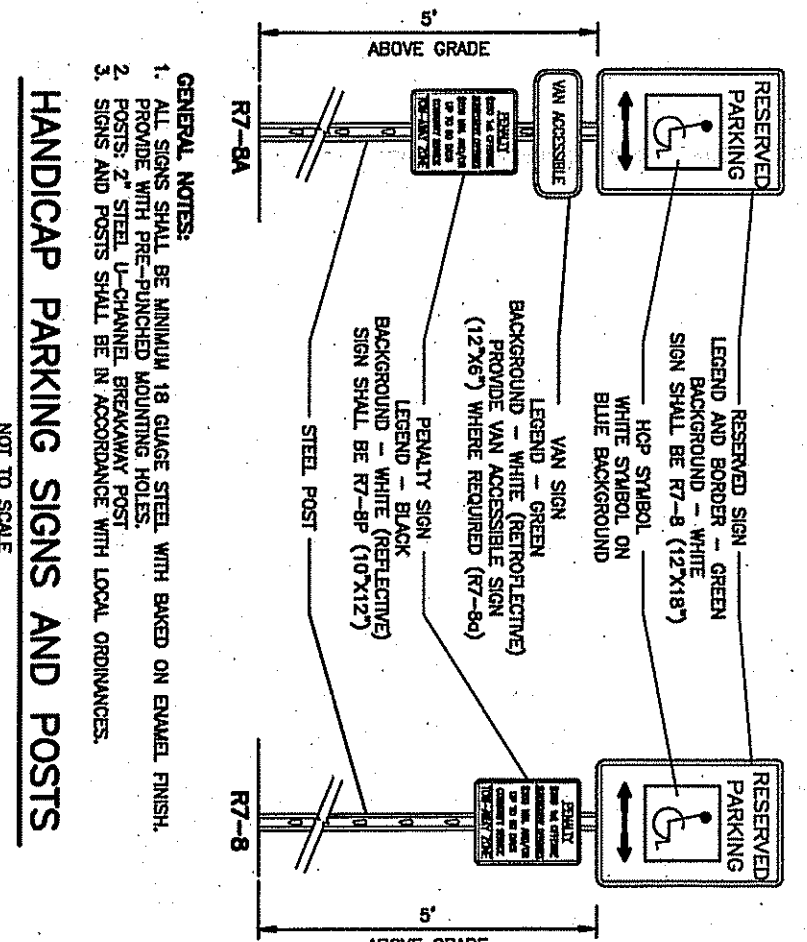
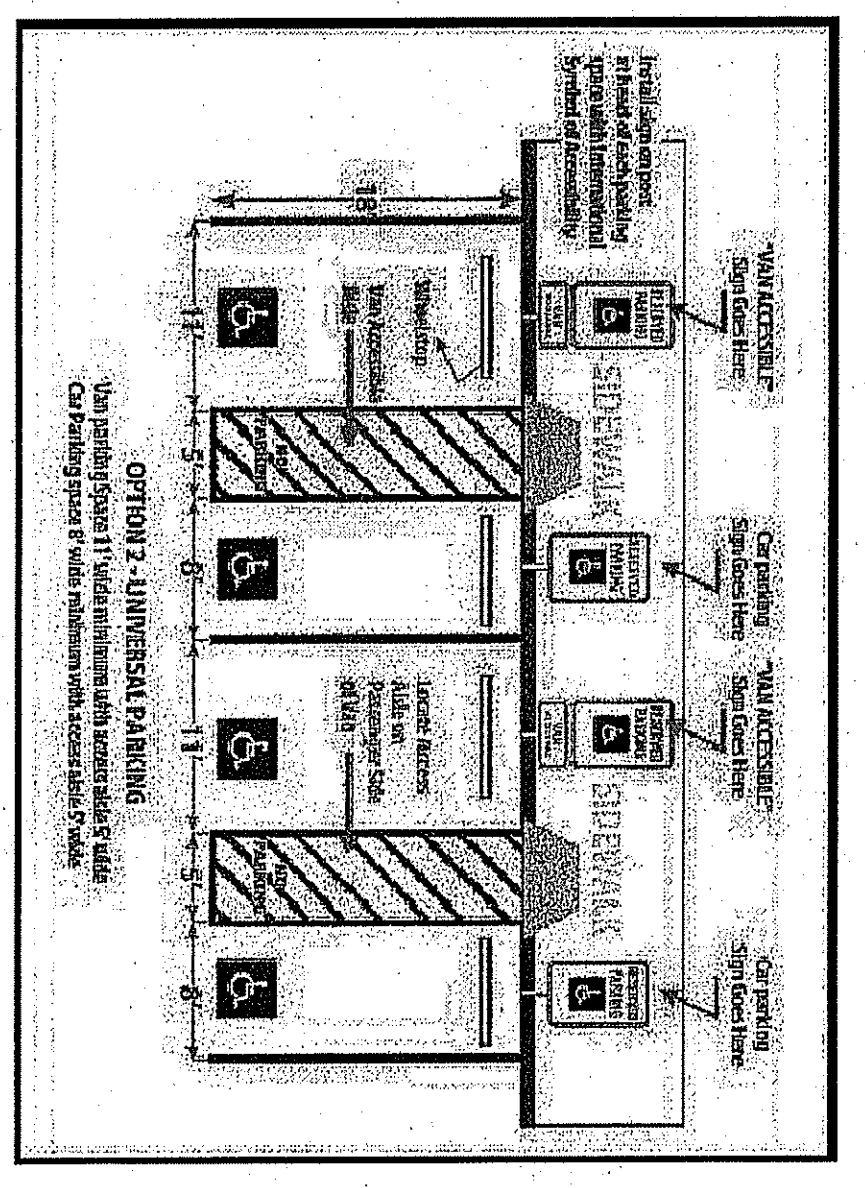
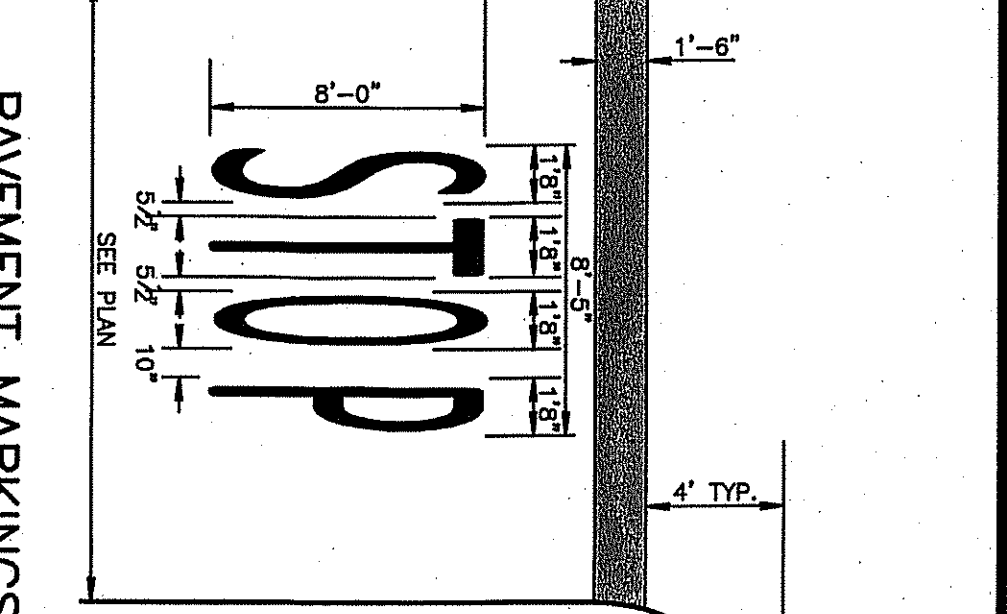
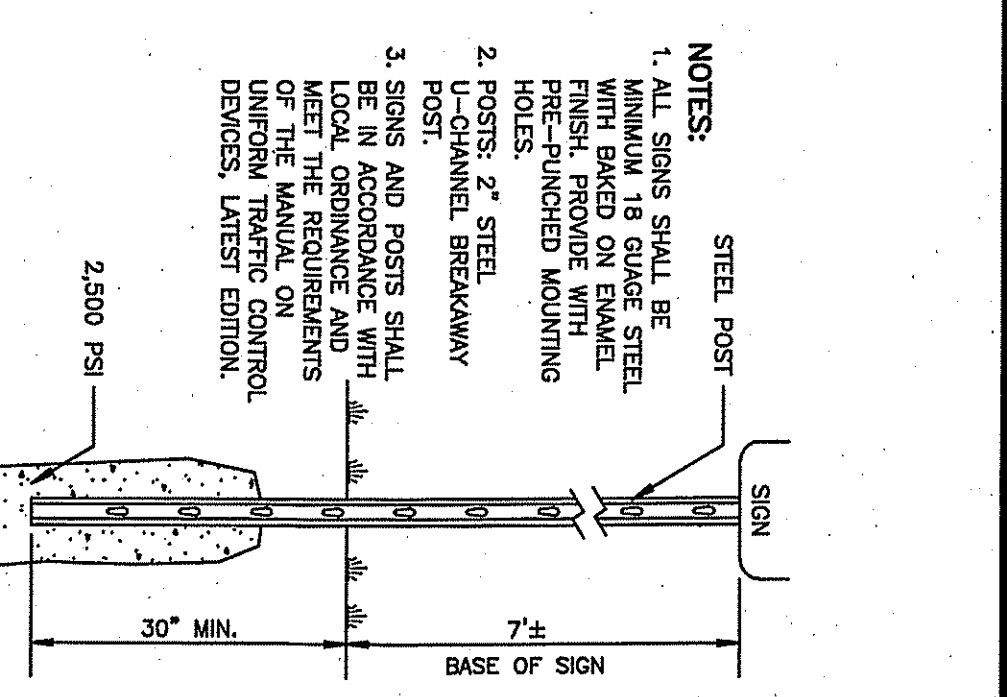
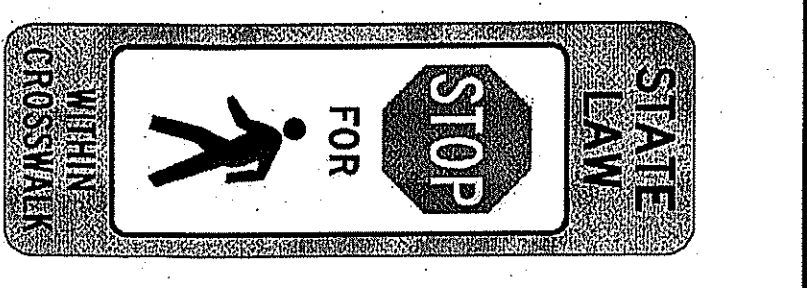
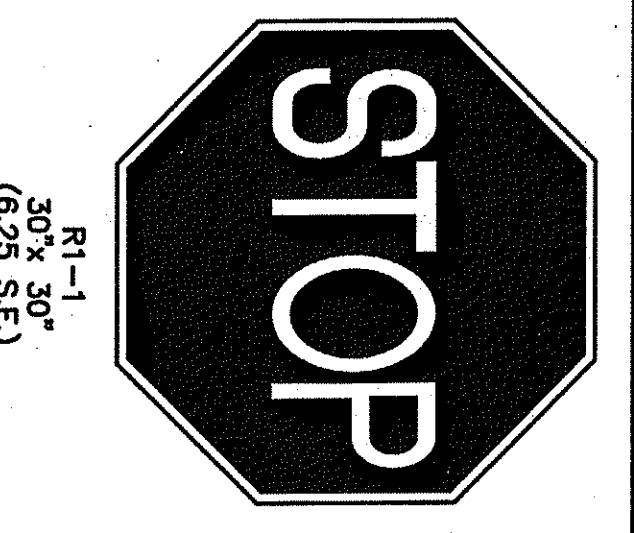
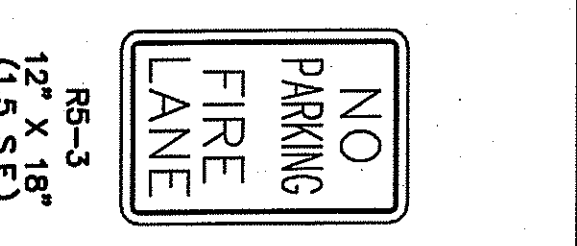
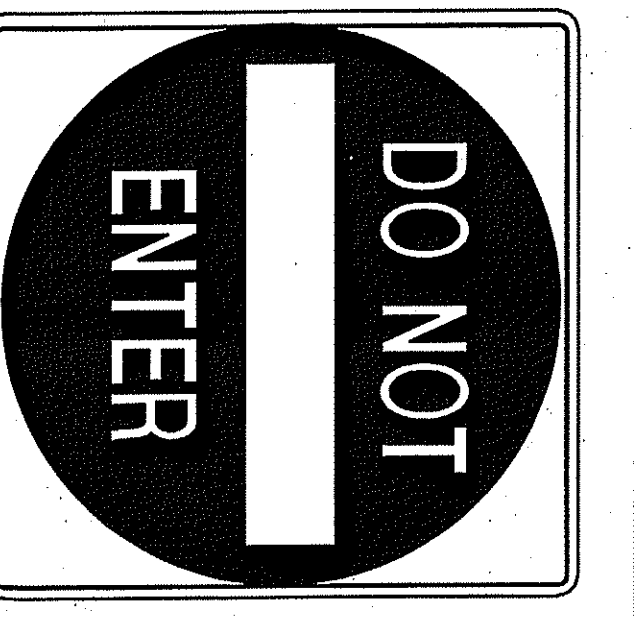
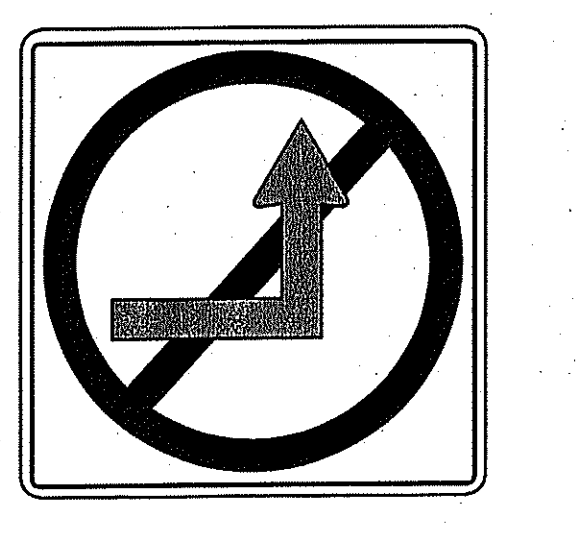
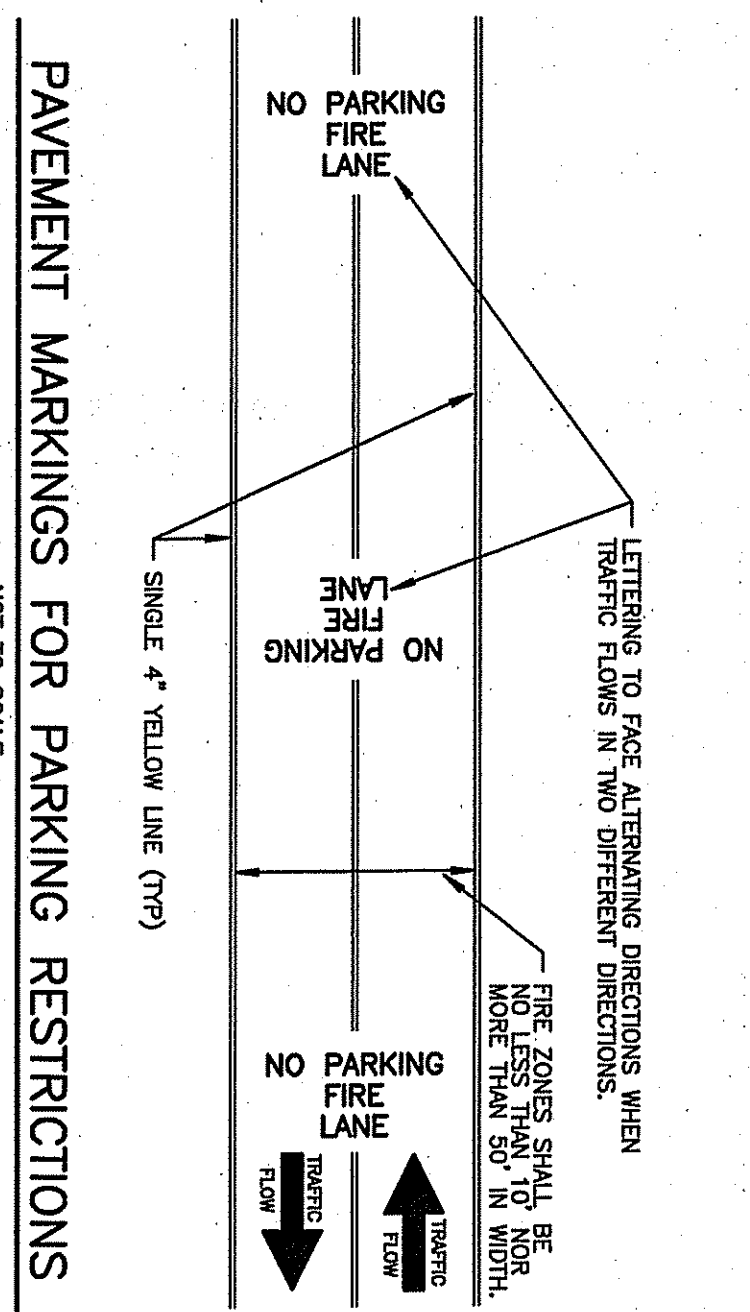
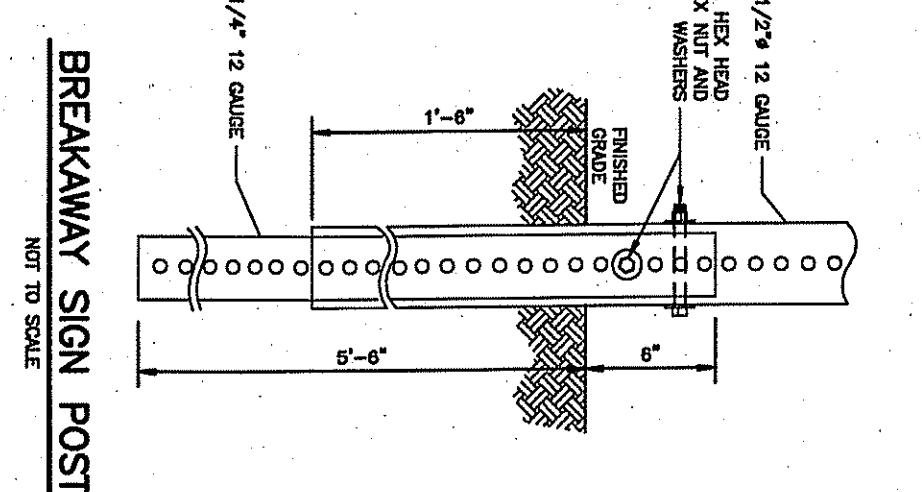
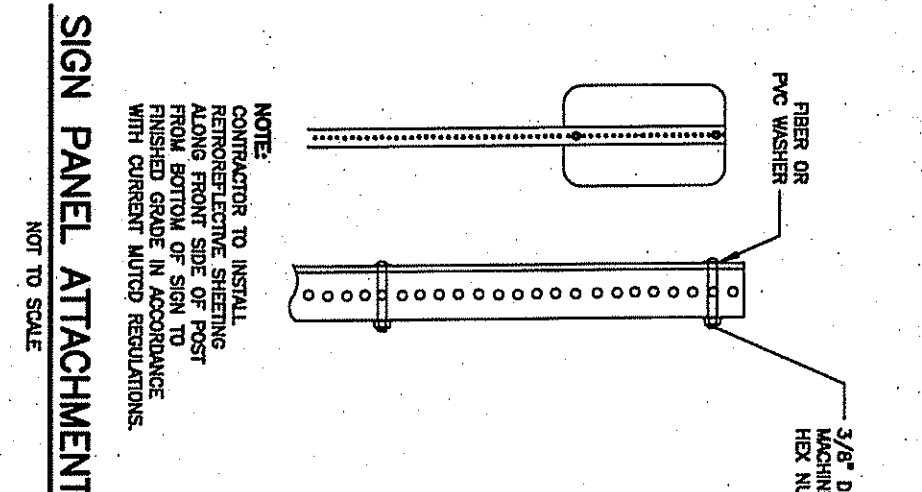
MATRIXNEWORLD
 Engineering Progress
 Matrix New World Engineering, Land Surveying
 and Landscape Architecture, P.C.
 442 State Route 35, Second Floor
 Eatontown, New Jersey 07724
 WBE / DBE
 www.matrixnewworld.com
 NEW JERSEY CERTIFICATE OF AUTHORIZATION No. 246A27982300

SEAN M. SAVAGE, P.E.
 NEW JERSEY PROFESSIONAL ENGINEER
 LICENSE NO. 246E04451000

DESIGNED BY: CMG
 REVIEWED BY: CTR
 RELEASED BY: SMS

| NO. | DESCRIPTION | DATE | DES. | REV. | REL. |
|-----|--|----------|------|------|------|
| 1. | REV PER CME REV LTR DTD 03/12/20, FIRE BUREAU REV | 05/01/20 | MM | SS | MM |
| 2. | LTR DTD 03/05/20 & TRAFFIC SAFETY LTR DTD 02/05/20 | 02/05/20 | MM | SS | MM |

REVISIONS

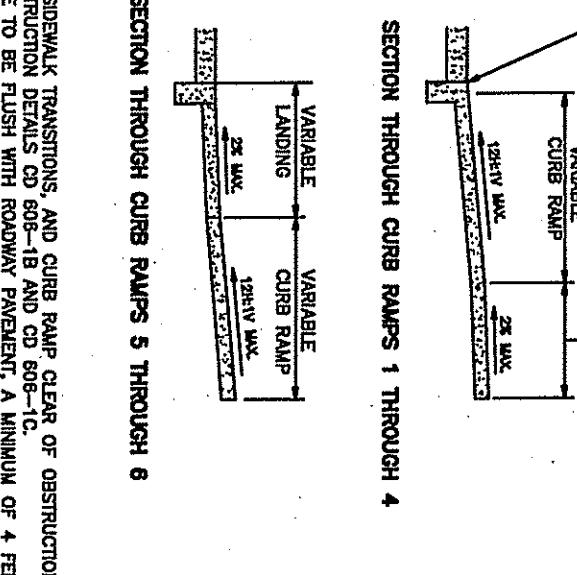
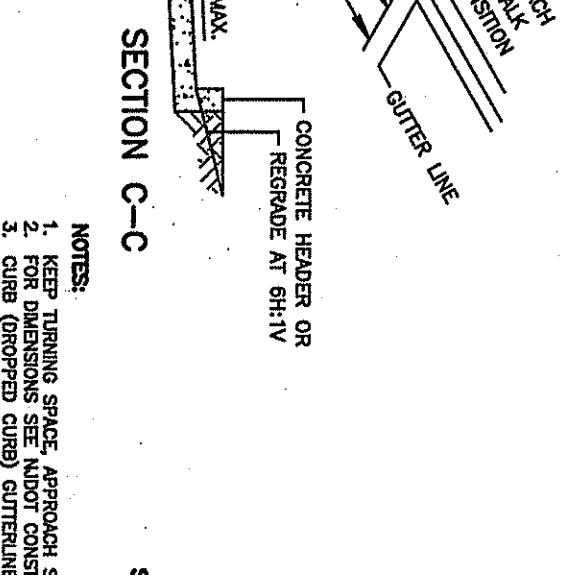
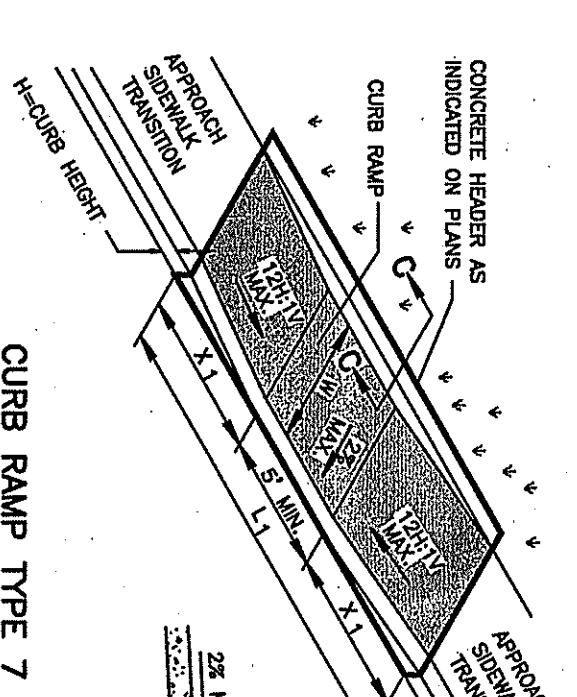
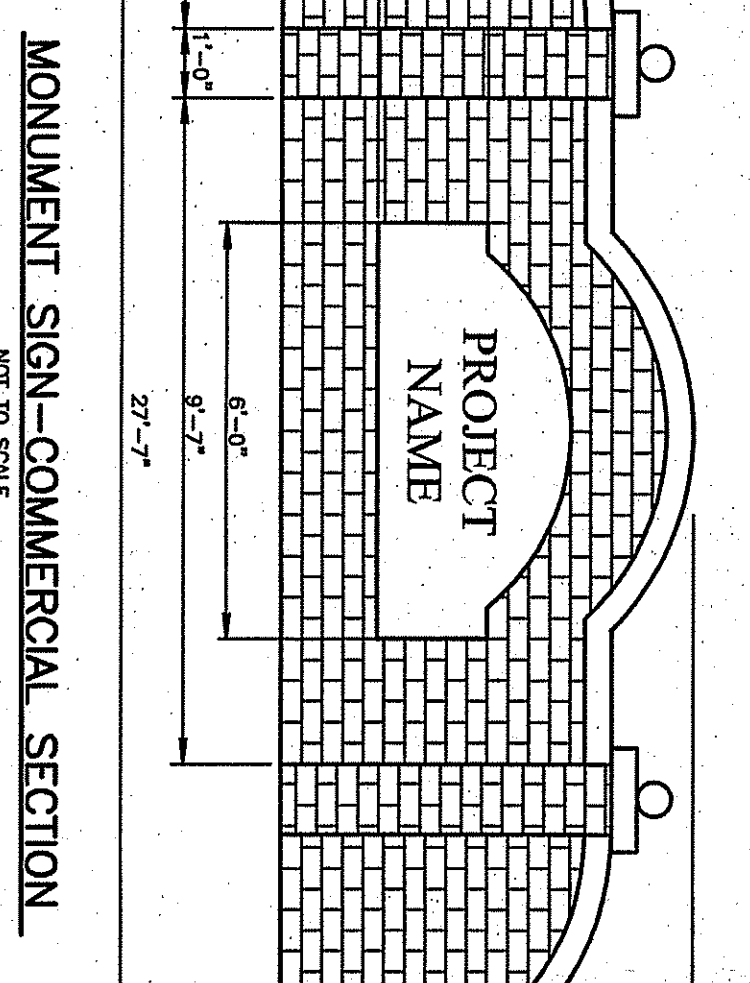
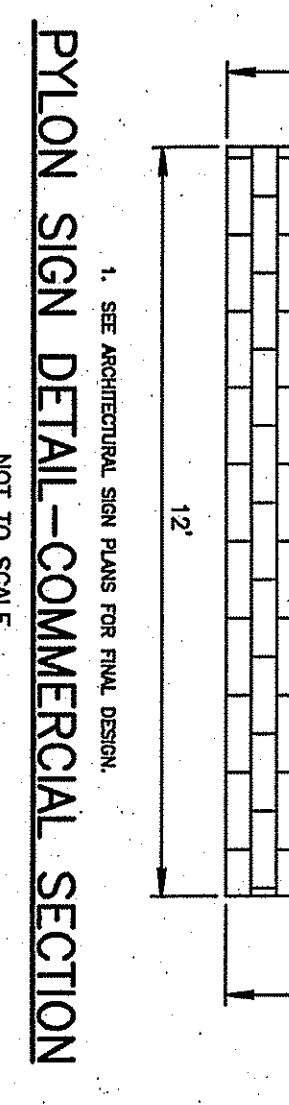
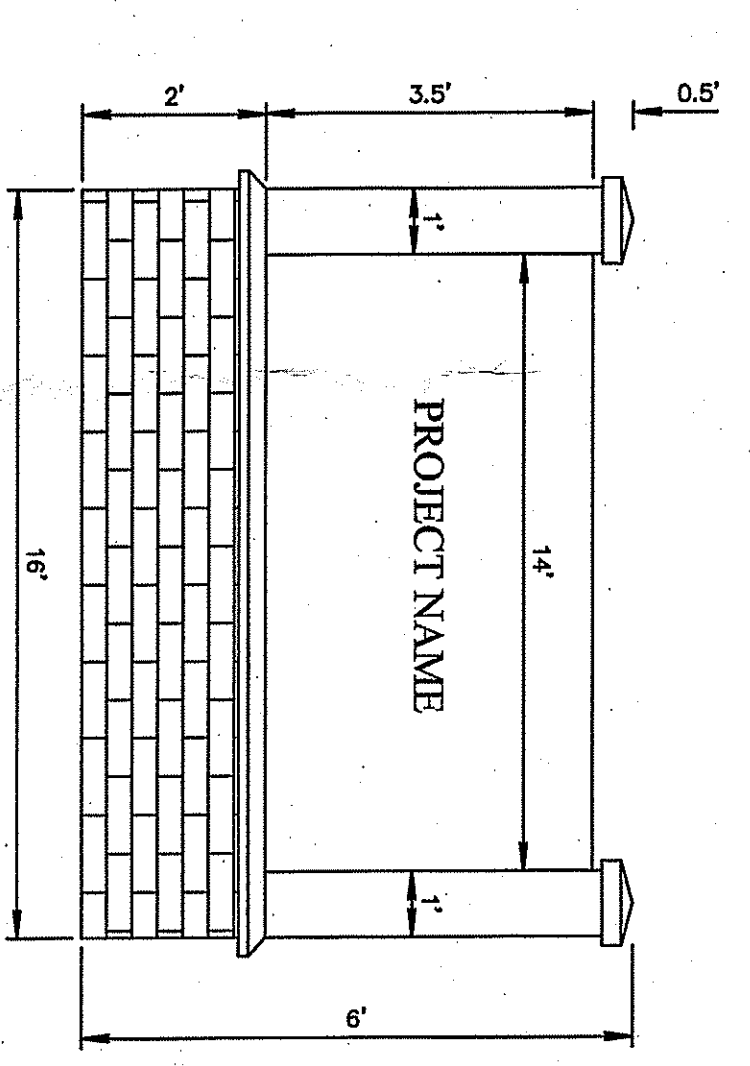
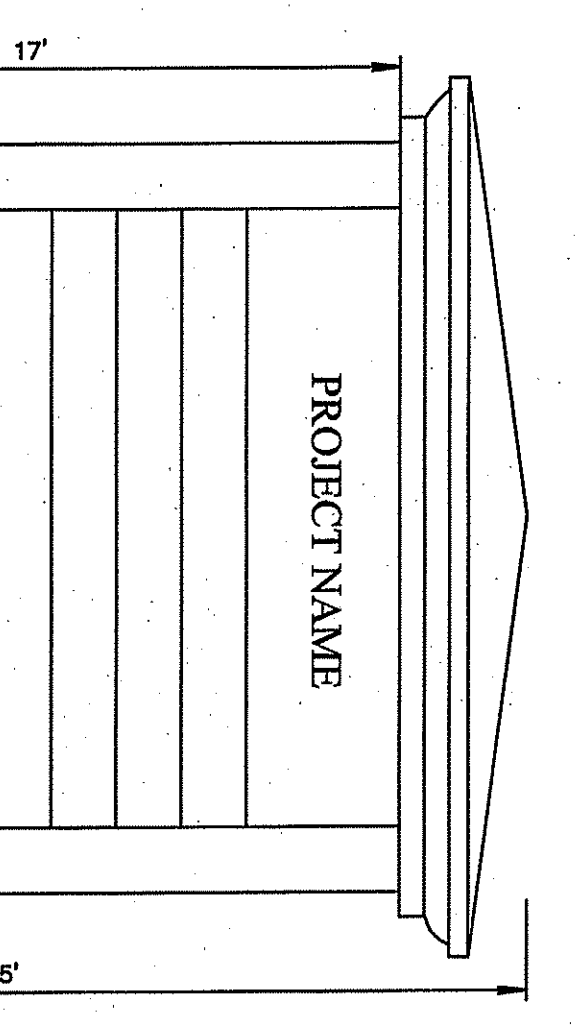


CURB RAMP TYPE 3

| W | H | X1 | L1 | X2 | L2 |
|------|---|------|-----|-----|-----|
| 2.5 | 6 | 6.0 | 1.0 | 3.5 | 1.1 |
| 3.0 | 6 | 6.7 | 1.0 | 3.5 | 1.1 |
| 3.5 | 6 | 7.4 | 1.0 | 3.5 | 1.1 |
| 4.0 | 6 | 8.1 | 1.0 | 3.5 | 1.1 |
| 4.5 | 6 | 8.8 | 1.0 | 3.5 | 1.1 |
| 5.0 | 6 | 9.5 | 1.0 | 3.5 | 1.1 |
| 5.5 | 6 | 10.2 | 1.0 | 3.5 | 1.1 |
| 6.0 | 6 | 10.9 | 1.0 | 3.5 | 1.1 |
| 6.5 | 6 | 11.6 | 1.0 | 3.5 | 1.1 |
| 7.0 | 6 | 12.3 | 1.0 | 3.5 | 1.1 |
| 7.5 | 6 | 13.0 | 1.0 | 3.5 | 1.1 |
| 8.0 | 6 | 13.7 | 1.0 | 3.5 | 1.1 |
| 8.5 | 6 | 14.4 | 1.0 | 3.5 | 1.1 |
| 9.0 | 6 | 15.1 | 1.0 | 3.5 | 1.1 |
| 9.5 | 6 | 15.8 | 1.0 | 3.5 | 1.1 |
| 10.0 | 6 | 16.5 | 1.0 | 3.5 | 1.1 |

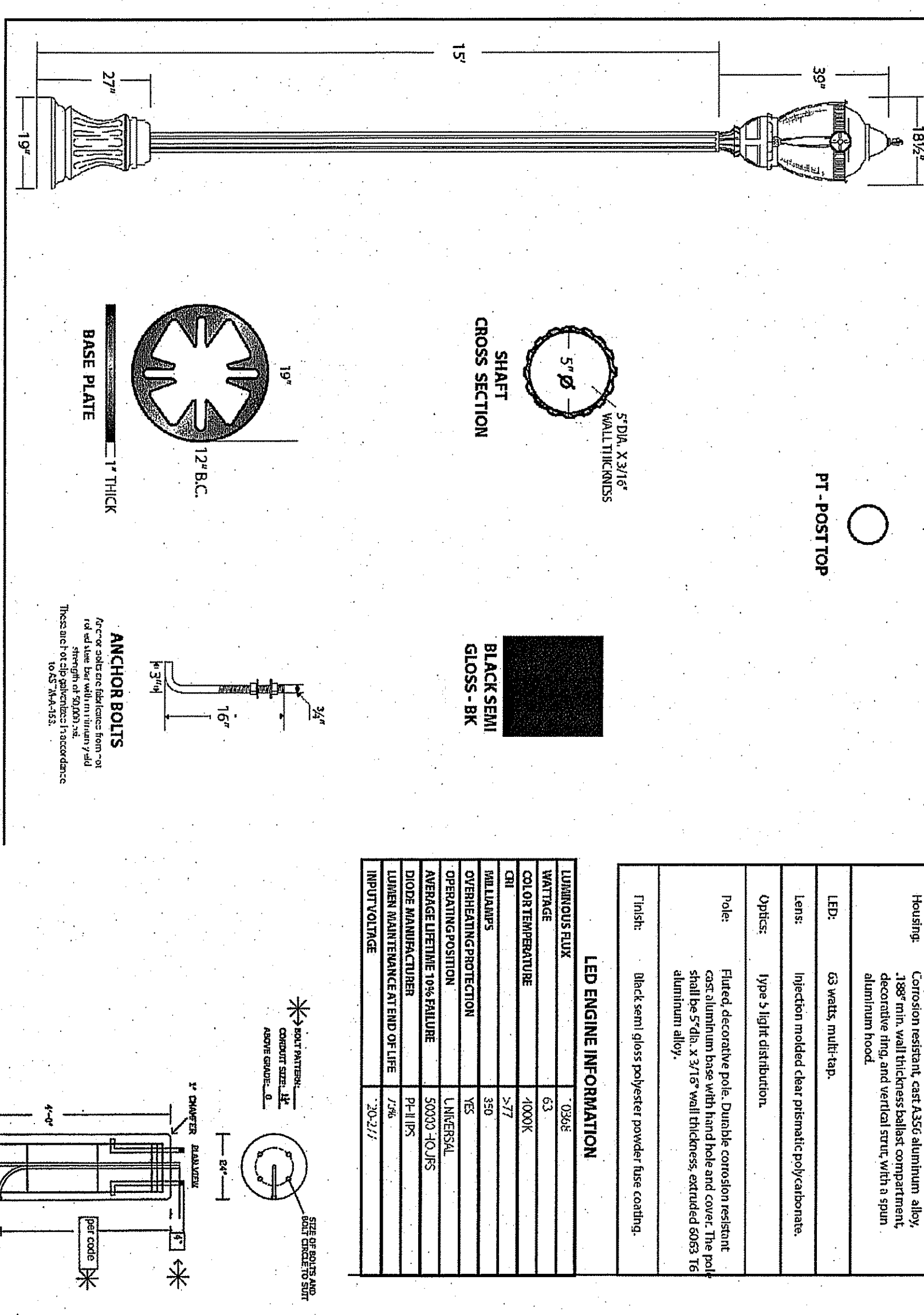
CURB RAMP TYPE 6

| W | H | X1 | L1 | X2 | L2 |
|------|---|------|-----|-----|-----|
| 4.0 | 6 | 5.0 | 1.0 | 4.0 | 1.2 |
| 4.5 | 6 | 5.5 | 1.0 | 4.0 | 1.2 |
| 5.0 | 6 | 6.0 | 1.0 | 4.0 | 1.2 |
| 5.5 | 6 | 6.5 | 1.0 | 4.0 | 1.2 |
| 6.0 | 6 | 7.0 | 1.0 | 4.0 | 1.2 |
| 6.5 | 6 | 7.5 | 1.0 | 4.0 | 1.2 |
| 7.0 | 6 | 8.0 | 1.0 | 4.0 | 1.2 |
| 7.5 | 6 | 8.5 | 1.0 | 4.0 | 1.2 |
| 8.0 | 6 | 9.0 | 1.0 | 4.0 | 1.2 |
| 8.5 | 6 | 9.5 | 1.0 | 4.0 | 1.2 |
| 9.0 | 6 | 10.0 | 1.0 | 4.0 | 1.2 |
| 9.5 | 6 | 10.5 | 1.0 | 4.0 | 1.2 |
| 10.0 | 6 | 11.0 | 1.0 | 4.0 | 1.2 |



NUDOT PUBLIC SIDEWALK AND CURB RAMP
NOT TO SCALE

CATALOG NUMBER: LEM-SPHD-03-LED-MH-3-4-V-NR-PT-DBR-SF-15-BK

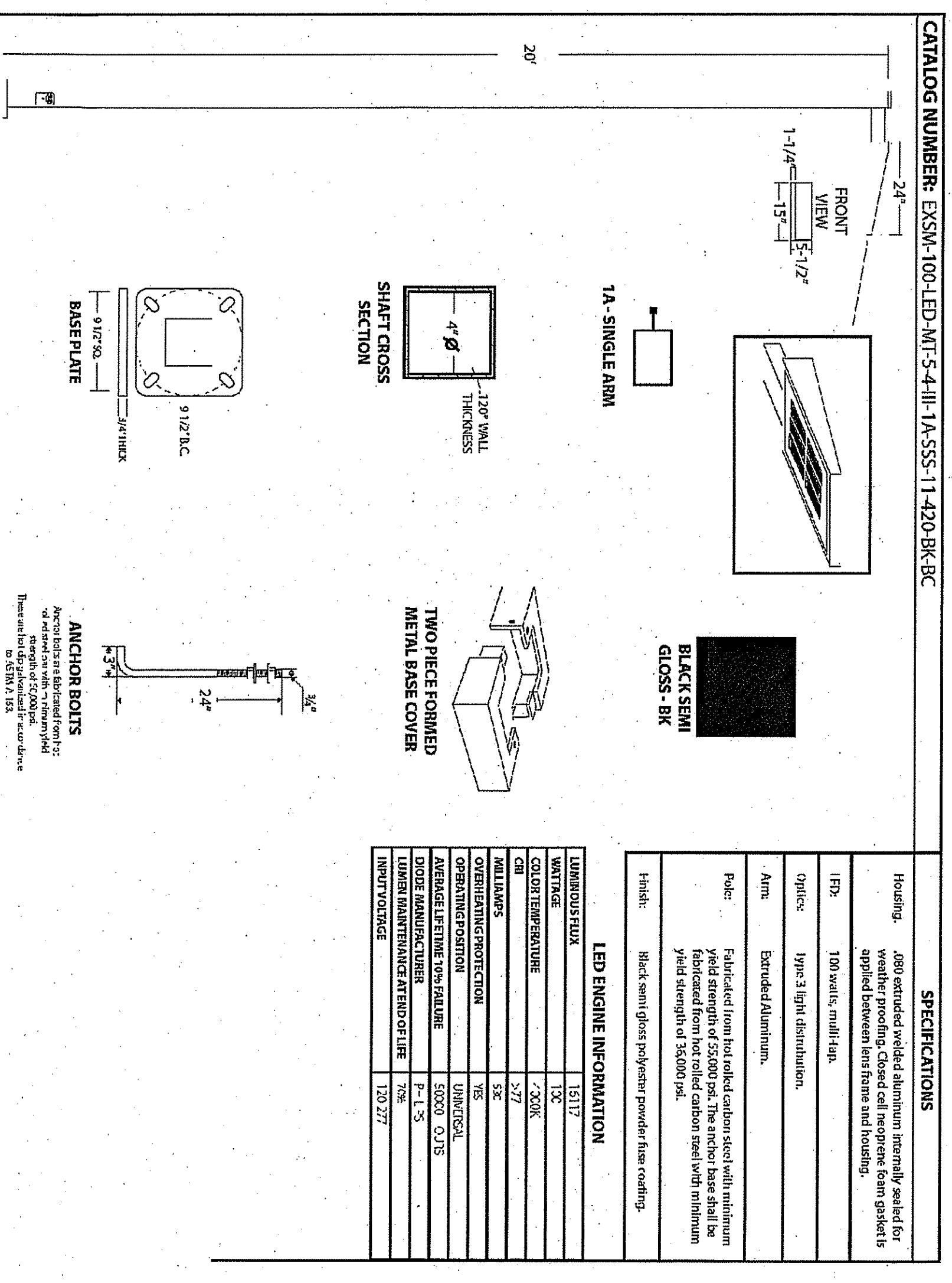
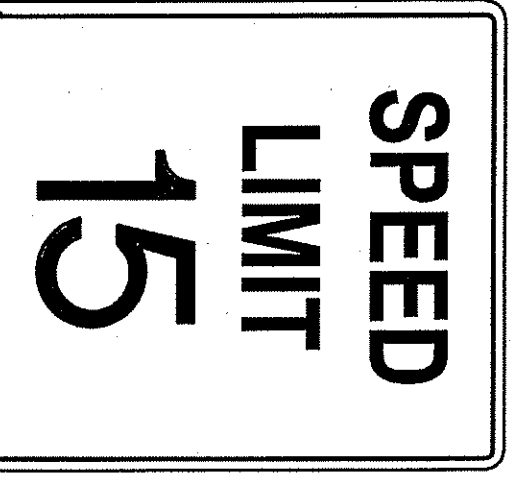
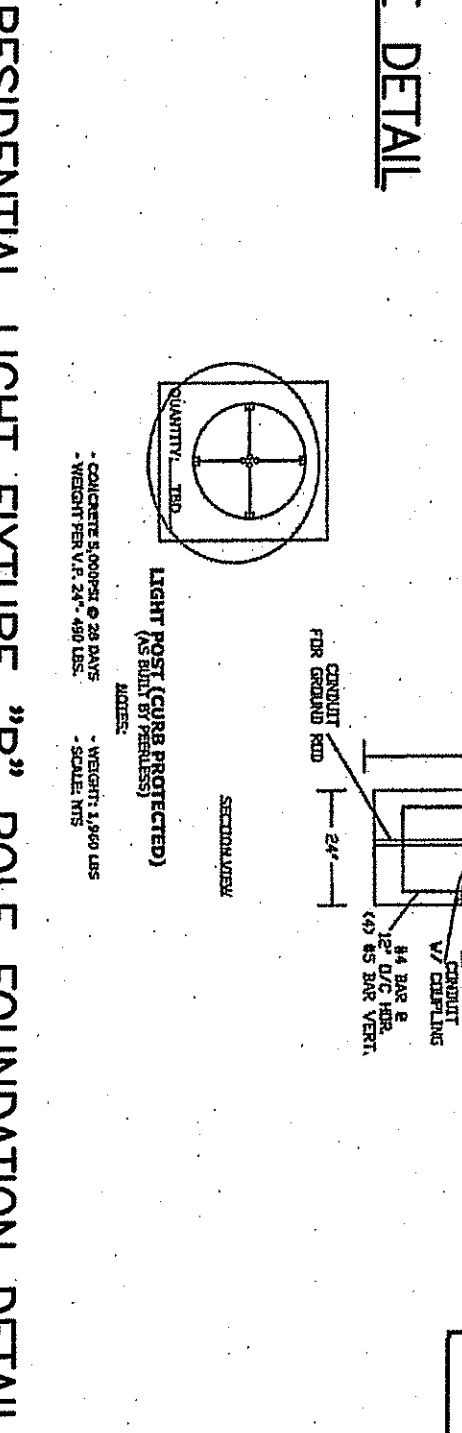


SPECIFICATIONS

| Heading | Description |
|----------|--|
| Headings | Custom made cast aluminum alloy, decorative finish and vertical structural system adjustment hood. |
| LEDs | 63 watt, multi chip. |
| Optics | High beam, multi beam, prismatic/polycarbonate. |
| Notes | Fixed, decorative pole, double constant resistance, one aluminum pole with hand hole and cover. The pole adjustment is 5/8" wide thickness, standard door to aluminum alloy. |
| Finish | Black semi gloss polyester powder coat finish. |

LED ENGINE INFORMATION

| MANUFACTURER | MODEL | WATTAGE | OPERATING TEMPERATURE | OPERATING HOURS | OPERATING VOLTAGE | OPERATING CURRENT | OPERATING FREQUENCY | OPERATING DIMENSIONS | OPERATING WEIGHT | OPERATING LUMENS | OPERATING EFFICIENCY |
|--------------|---------|---------|-----------------------|-----------------|-------------------|-------------------|---------------------|-----------------------|------------------|------------------|----------------------|
| OSRAM | OSRAM | 63 | -20 to 40°C | 50,000 | 120VAC | 0.53A | 60 Hz | 100mm x 100mm x 100mm | 1.2kg | 5,000 | 78 lm/w |
| PHILIPS | PHILIPS | 50 | -20 to 40°C | 50,000 | 120VAC | 0.42A | 60 Hz | 100mm x 100mm x 100mm | 1.0kg | 4,000 | 80 lm/w |
| OSRAM | OSRAM | 50 | -20 to 40°C | 50,000 | 120VAC | 0.42A | 60 Hz | 100mm x 100mm x 100mm | 1.0kg | 4,000 | 80 lm/w |
| PHILIPS | PHILIPS | 50 | -20 to 40°C | 50,000 | 120VAC | 0.42A | 60 Hz | 100mm x 100mm x 100mm | 1.0kg | 4,000 | 80 lm/w |
| OSRAM | OSRAM | 50 | -20 to 40°C | 50,000 | 120VAC | 0.42A | 60 Hz | 100mm x 100mm x 100mm | 1.0kg | 4,000 | 80 lm/w |
| PHILIPS | PHILIPS | 50 | -20 to 40°C | 50,000 | 120VAC | 0.42A | 60 Hz | 100mm x 100mm x 100mm | 1.0kg | 4,000 | 80 lm/w |



SPECIFICATIONS

| Heading | Description |
|----------|--|
| Headings | 100% recycled aluminum extrusion, powder coated for weather resistance, clear and tempered glass lens system applied between front and hood. |
| LEDs | 100 watt, multi chip. |
| Optics | 100 watt, multi chip. |
| Notes | Standard aluminum, 100 watt, multi chip. |
| Finish | Black semi gloss polyester powder coat finish. |

LED ENGINE INFORMATION

| MANUFACTURER | MODEL | WATTAGE | OPERATING TEMPERATURE | OPERATING HOURS | OPERATING VOLTAGE | OPERATING CURRENT | OPERATING FREQUENCY | OPERATING DIMENSIONS | OPERATING WEIGHT | OPERATING LUMENS | OPERATING EFFICIENCY |
|--------------|---------|---------|-----------------------|-----------------|-------------------|-------------------|---------------------|-----------------------|------------------|------------------|----------------------|
| OSRAM | OSRAM | 100 | -20 to 40°C | 50,000 | 120VAC | 0.84A | 60 Hz | 100mm x 100mm x 100mm | 2.4kg | 10,000 | 100 lm/w |
| PHILIPS | PHILIPS | 100 | -20 to 40°C | 50,000 | 120VAC | 0.84A | 60 Hz | 100mm x 100mm x 100mm | 2.4kg | 10,000 | 100 lm/w |
| OSRAM | OSRAM | 100 | -20 to 40°C | 50,000 | 120VAC | 0.84A | 60 Hz | 100mm x 100mm x 100mm | 2.4kg | 10,000 | 100 lm/w |
| PHILIPS | PHILIPS | 100 | -20 to 40°C | 50,000 | 120VAC | 0.84A | 60 Hz | 100mm x 100mm x 100mm | 2.4kg | 10,000 | 100 lm/w |
| OSRAM | OSRAM | 100 | -20 to 40°C | 50,000 | 120VAC | 0.84A | 60 Hz | 100mm x 100mm x 100mm | 2.4kg | 10,000 | 100 lm/w |
| PHILIPS | PHILIPS | 100 | -20 to 40°C | 50,000 | 120VAC | 0.84A | 60 Hz | 100mm x 100mm x 100mm | 2.4kg | 10,000 | 100 lm/w |

DESIGNED BY: CMG
REVIEWED BY: CTR
RELEASED BY: SMS

| NO. | DESCRIPTION | DATE | DES. | REV. | REL. |
|-----|--|----------|------|------|------|
| 1. | REV PER CME REV LTR DTD 03/13/20. FIRE BUREAU REV | 05/11/20 | TMM | | |
| | LTR DTD 03/05/20 & TRAFFIC SAFETY LTR DTD 02/05/20 | | | | |

REVISIONS

SEAN M. SAVAGE, P.E.
 NEW JERSEY PROFESSIONAL ENGINEER
 LICENSE NO. 24GE04451000

DATE: 6/1/2020

MATRIXNEWORLD
 Engineering Progress
 Matrix New World Engineering, Land Surveying and Landscape Architecture, P.C.
 442 State Route 35, Second Floor Tel: 732-588-2999
 Eatontown, New Jersey 07724 Fax: 973-240-1818
 WBE / DBE www.matrixnewworld.com
 NEW JERSEY CERTIFICATE OF AUTHORIZATION No. 24GA27982300

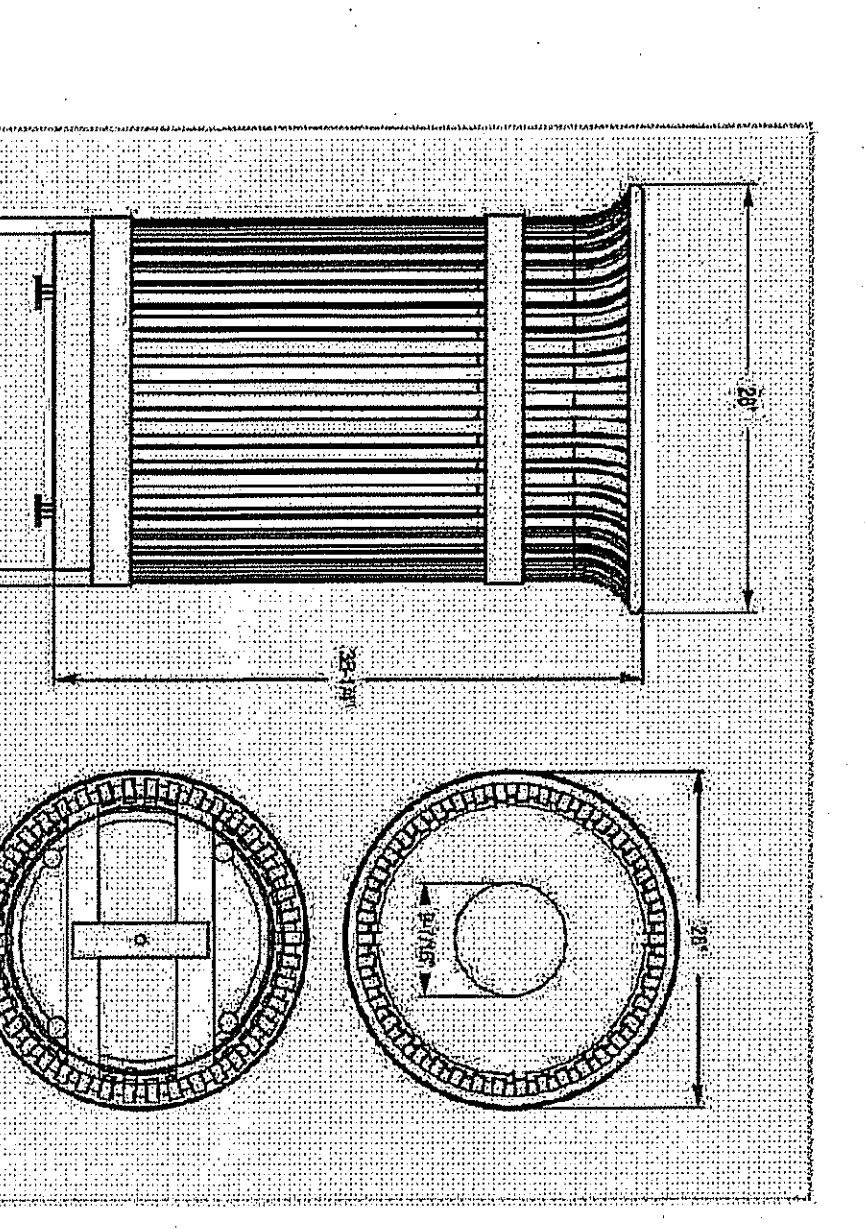
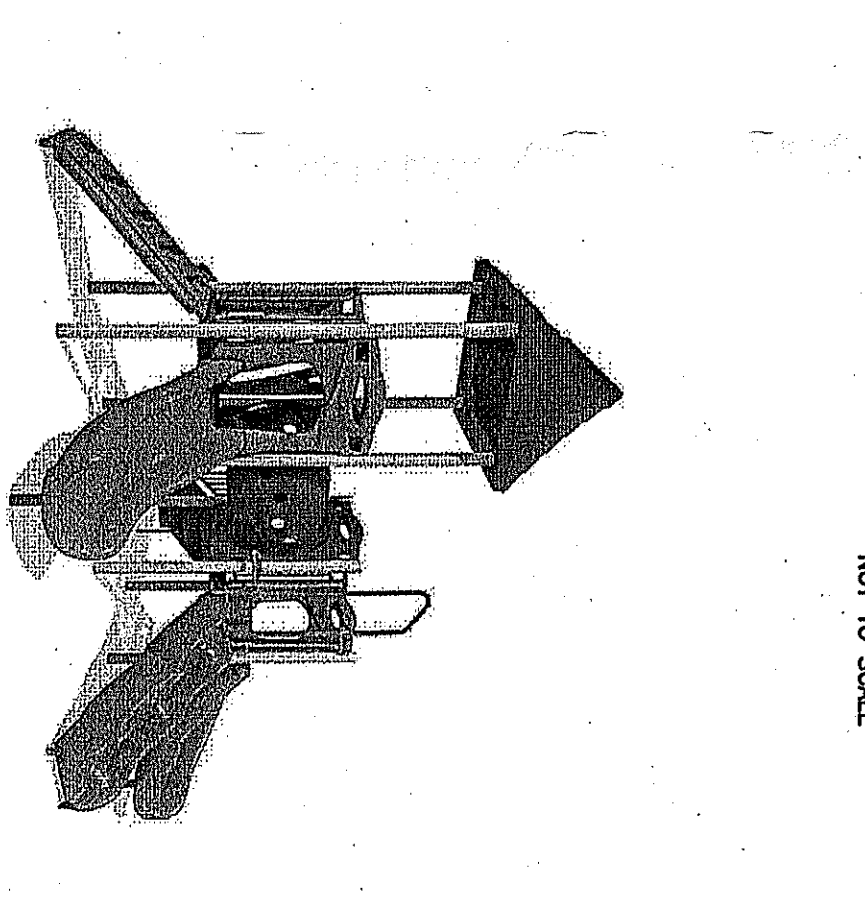
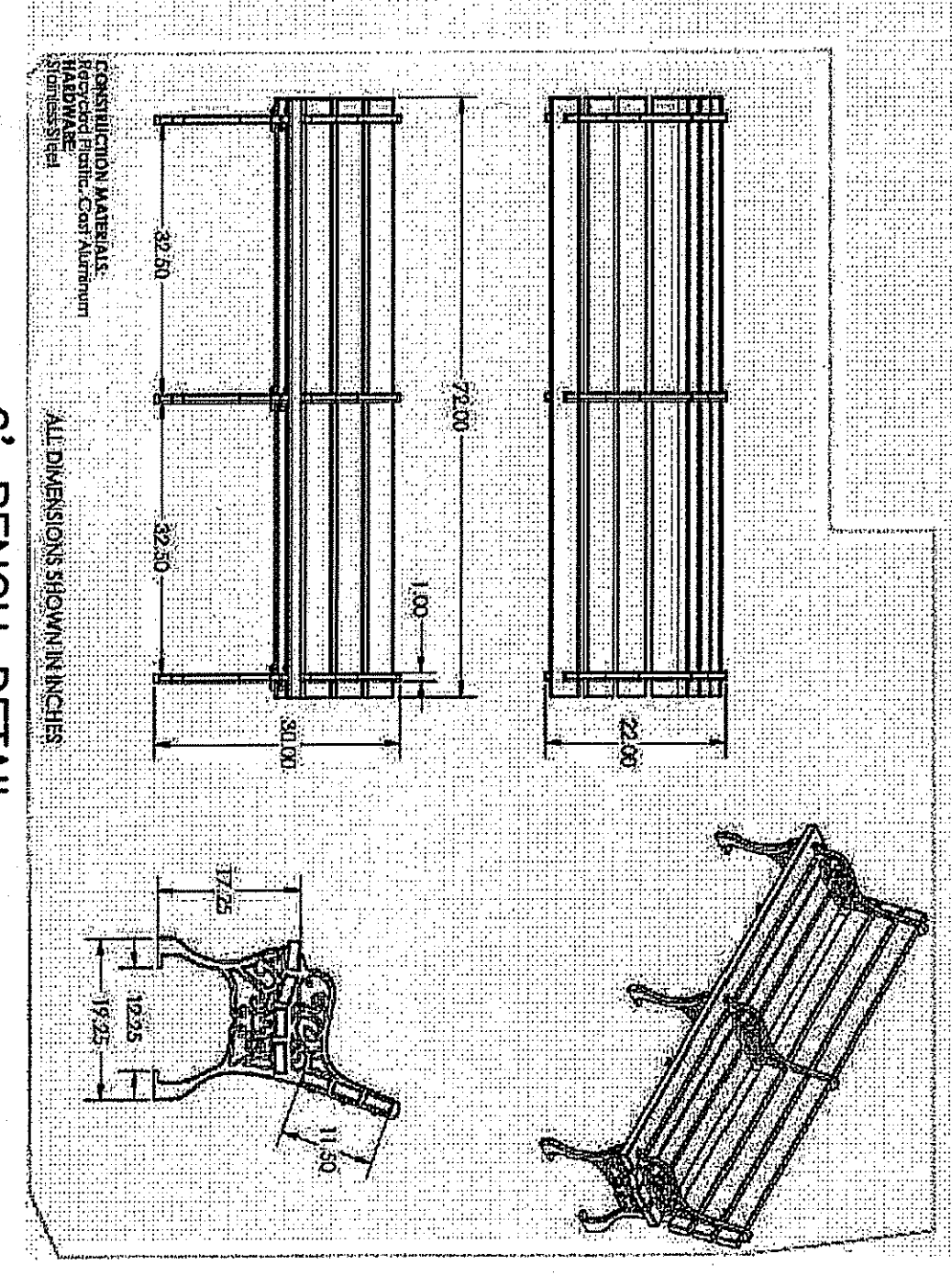
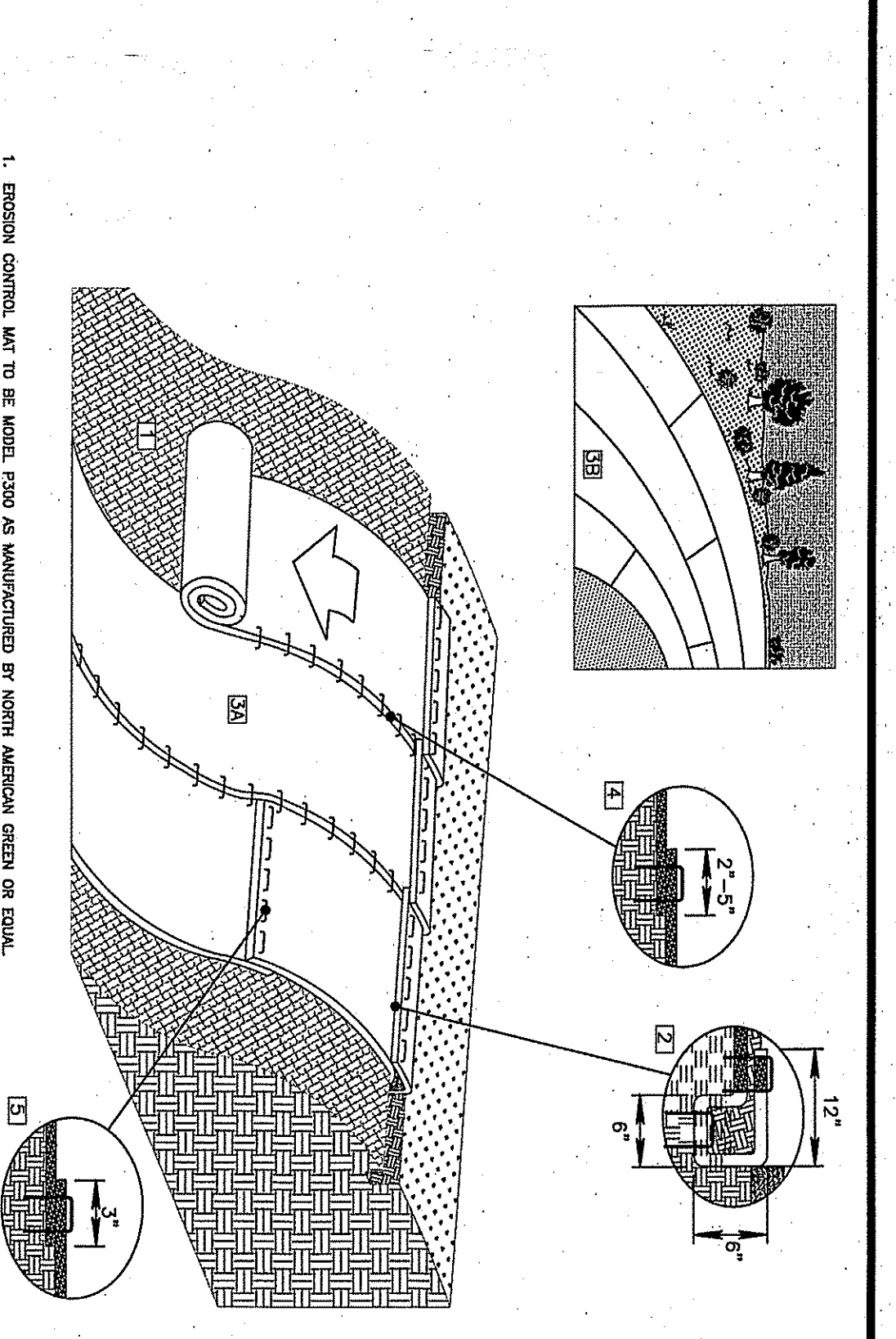
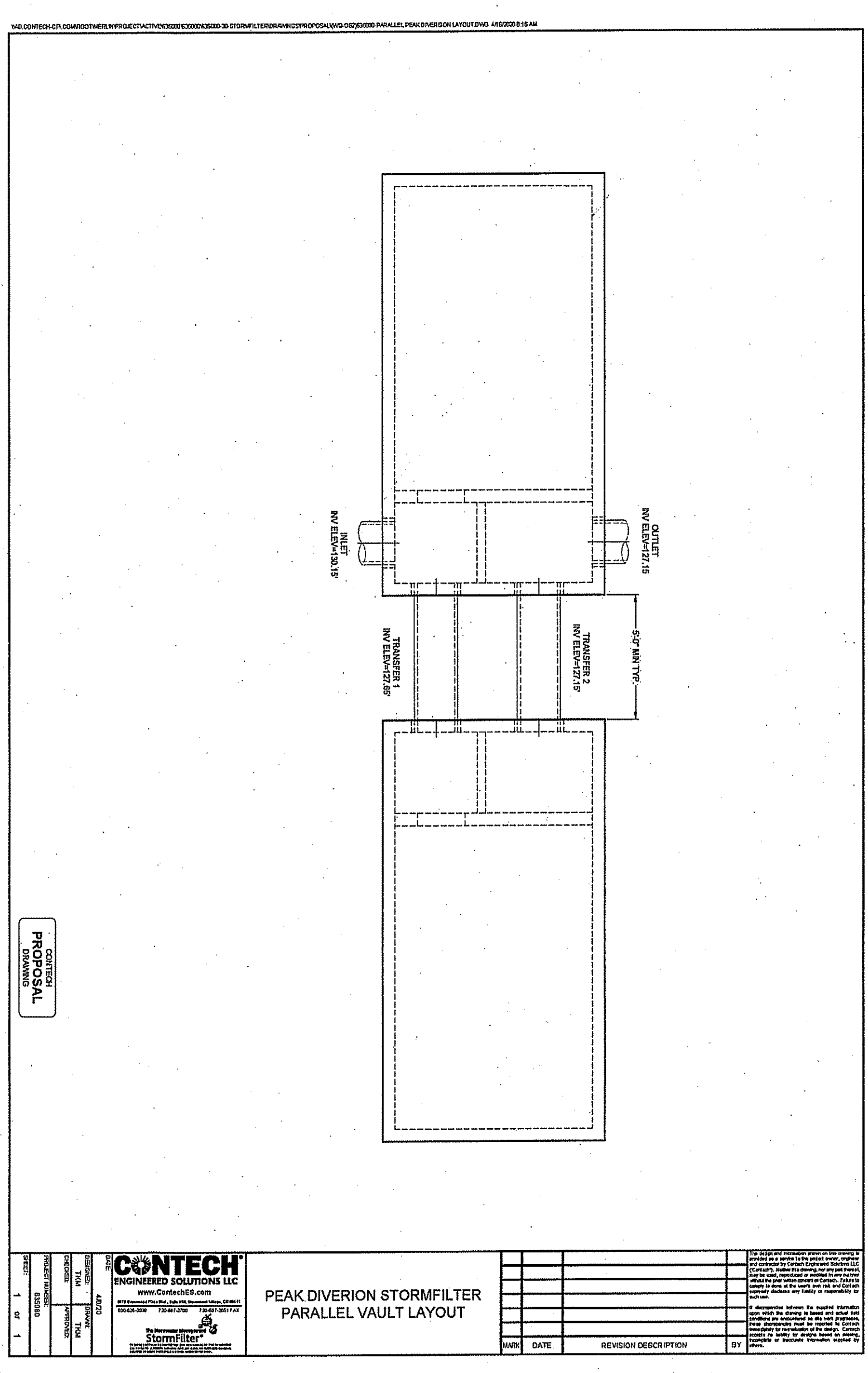
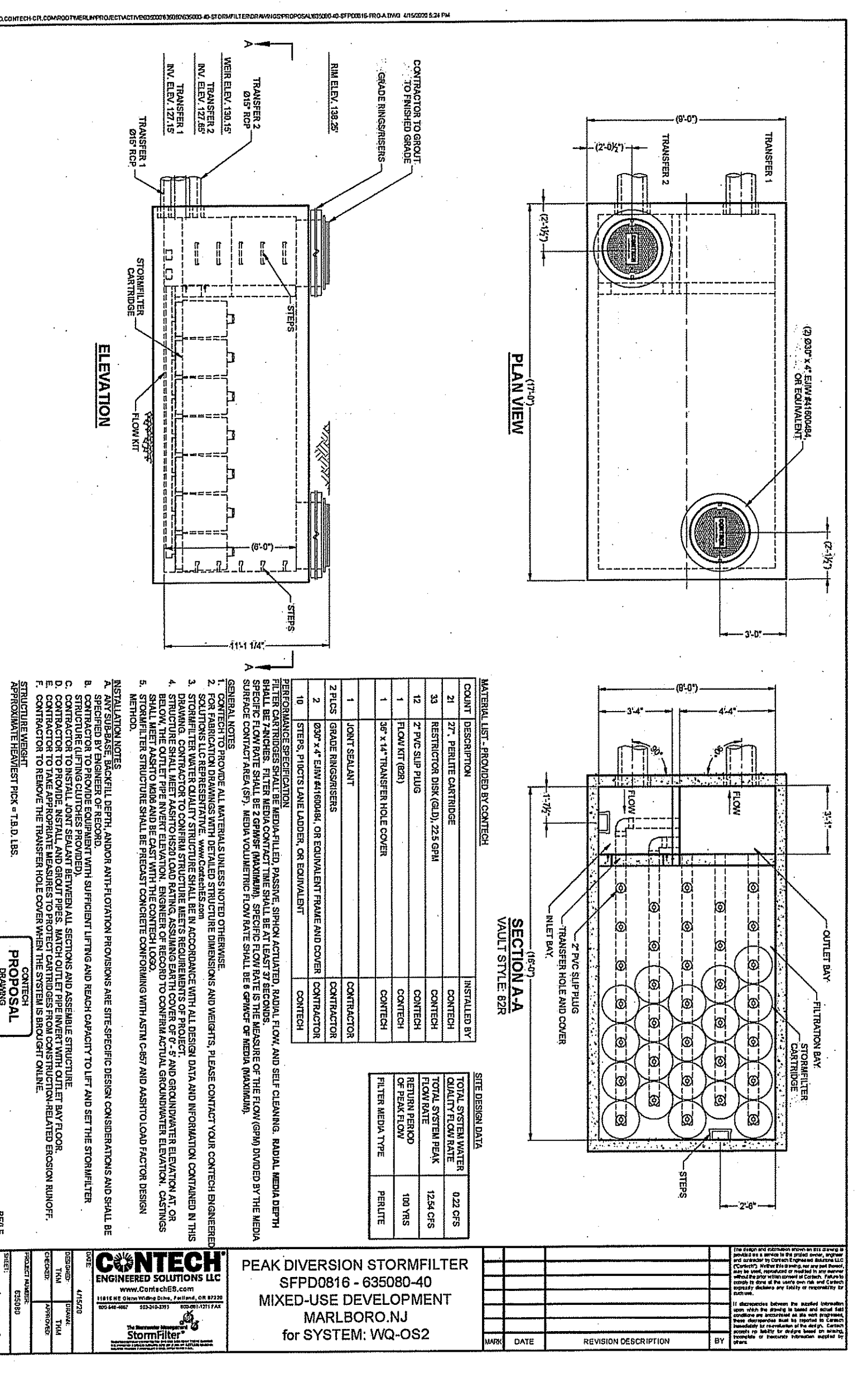
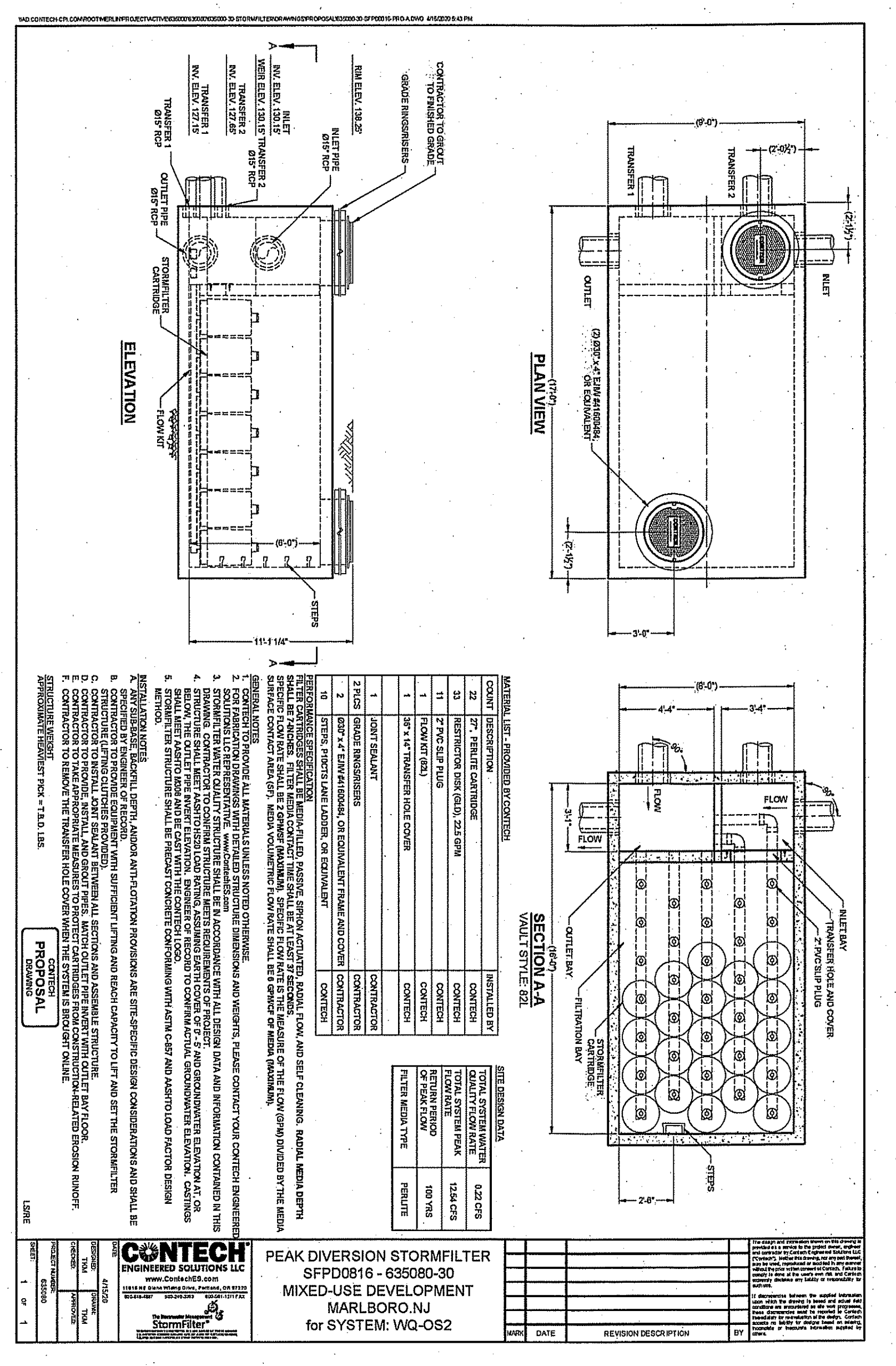
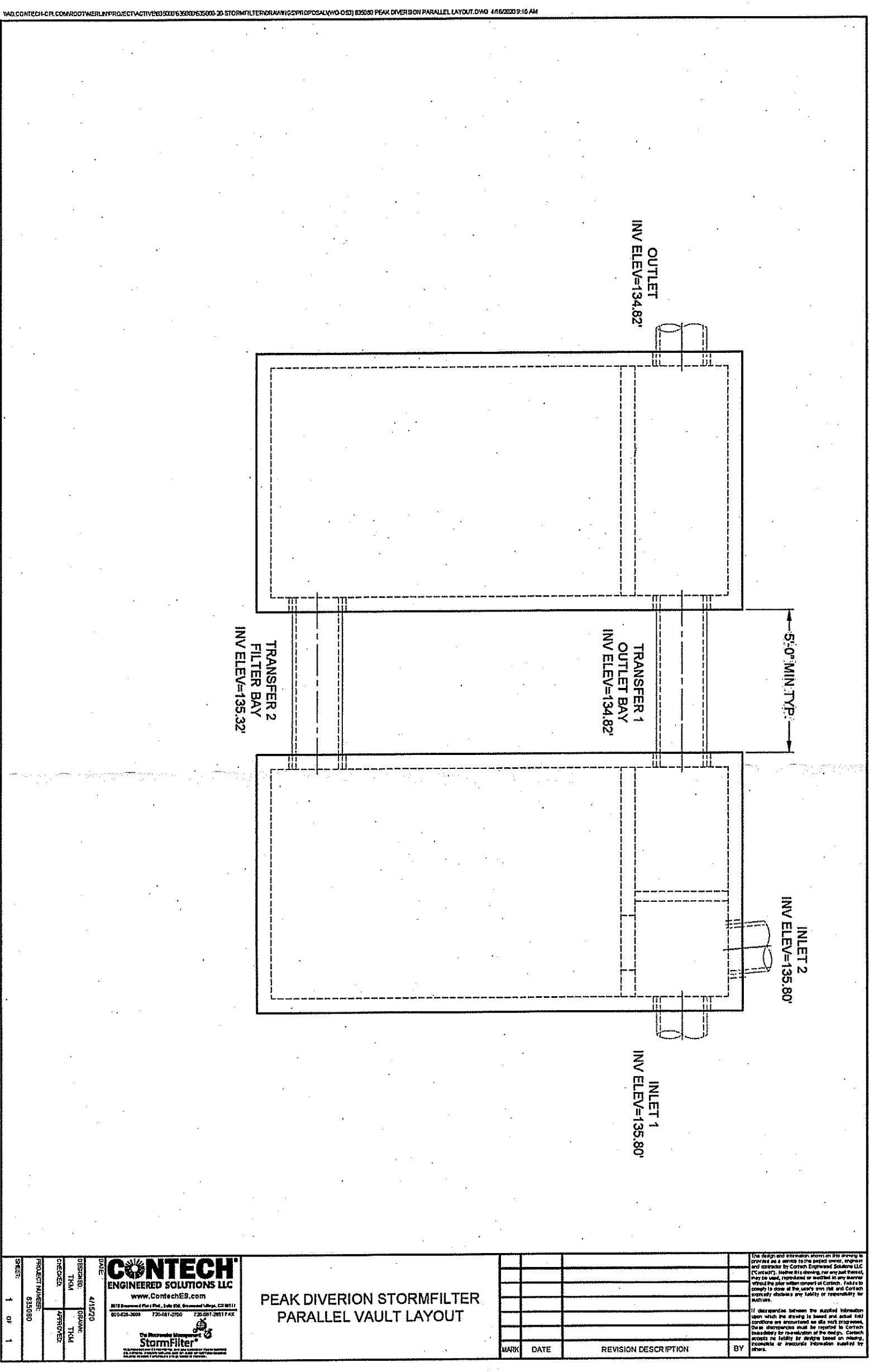
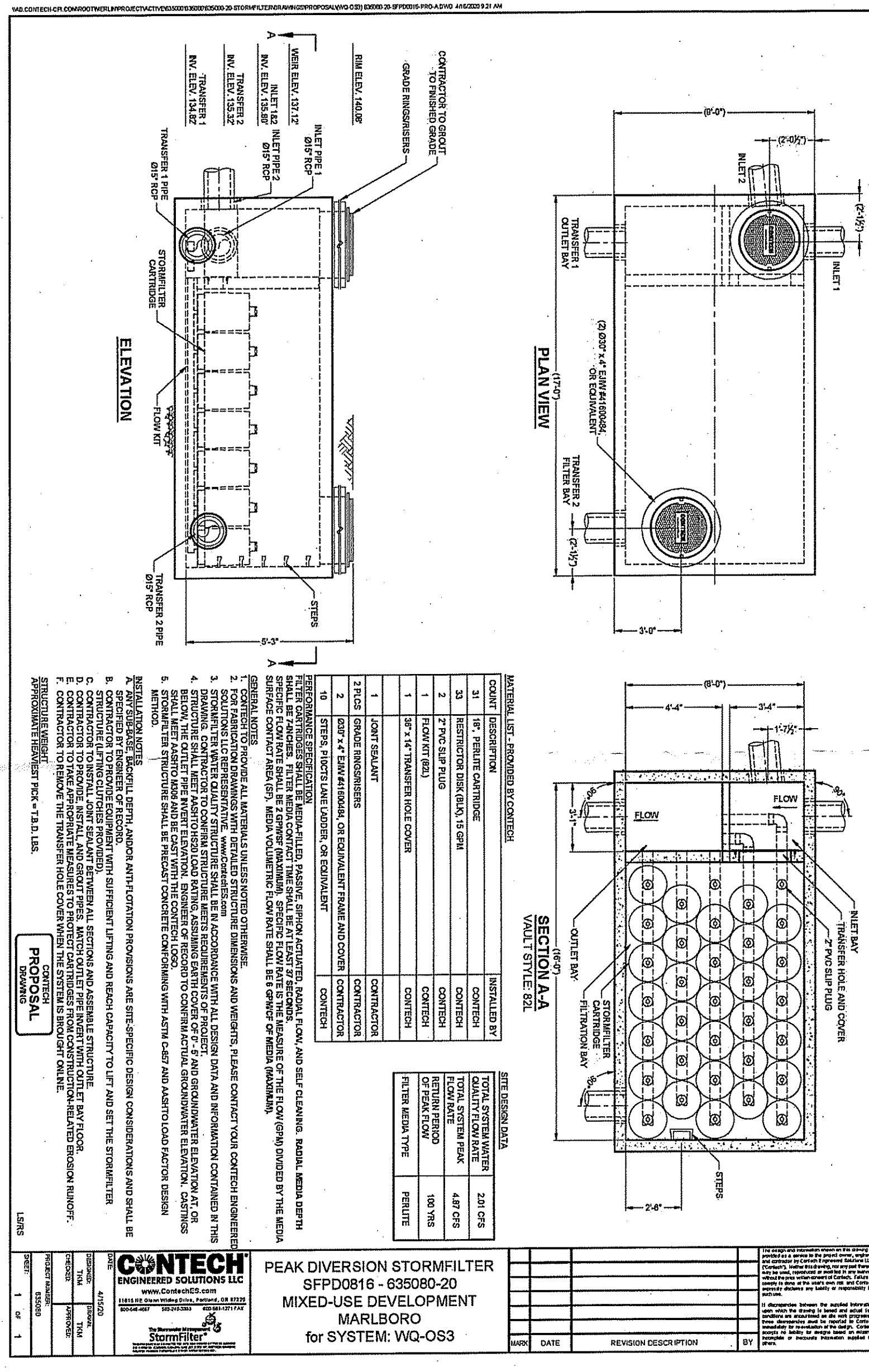
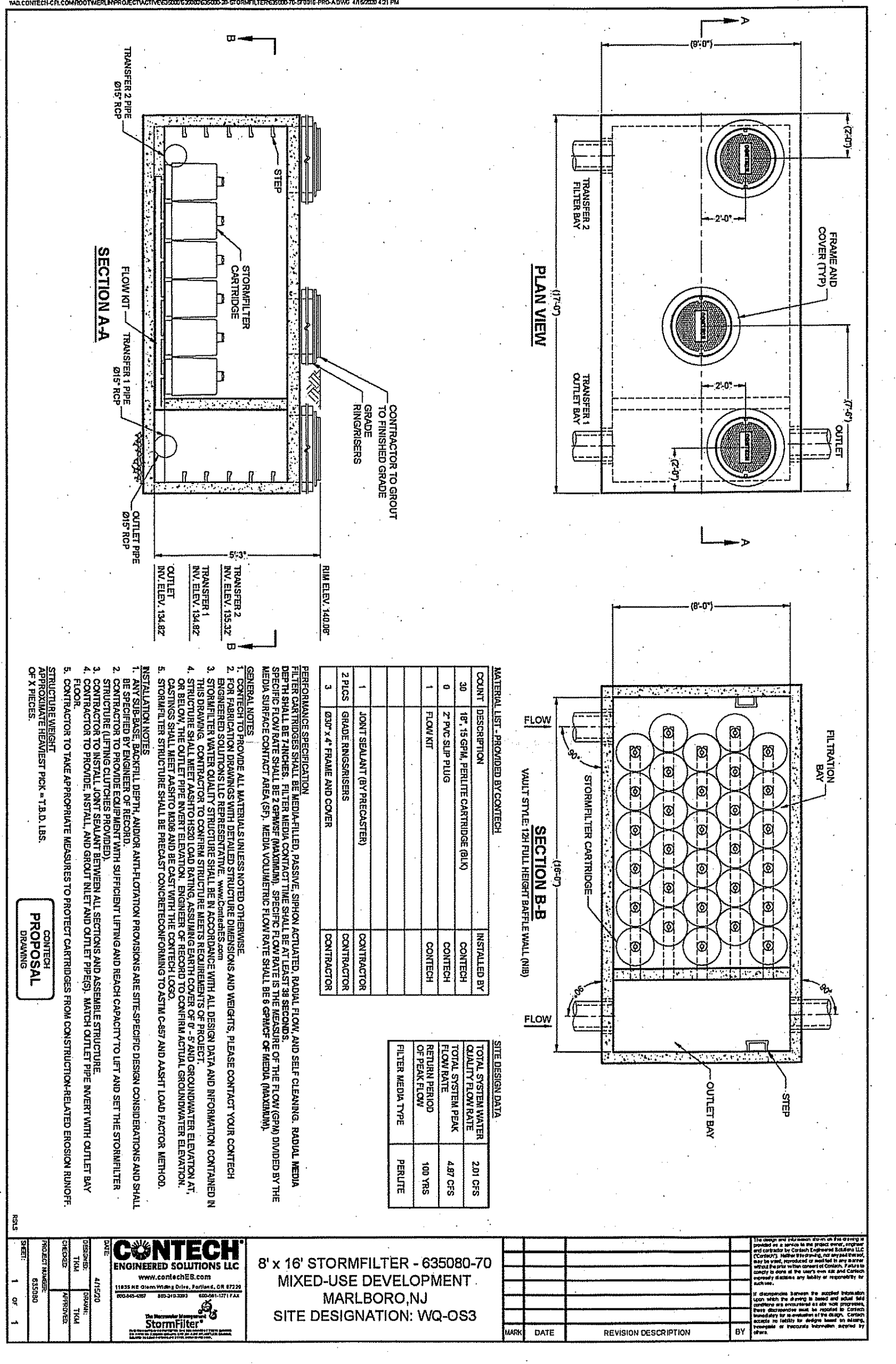
CONSTRUCTION DETAILS

PRELIMINARY AND FINAL MAJOR SITE PLANS MIXED-USE DEVELOPMENT TAX LOT 44, BLOCK 213.01

SITUATED IN TOWNSHIP OF MARLBORO, MONMOUTH COUNTY, NEW JERSEY

DATE: 01/22/2020
 SCALE: AS SHOWN
 PROJECT NUMBER: LD14-305

SHEET 20 OF 22



| NO. | DESCRIPTION | DATE | DES. | REV. | REL. |
|-----|--|----------|------|------|------|
| 1. | REV PER CME REV LTR DTG 03/13/20, FIRE BUREAU REV | 06/01/20 | TJM | SMS | J |
| 2. | LTR DTG 03/09/20 & TRAFFIC SAFETY LTR DTG 02/05/20 | | | | |

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 MIXED-USE DEVELOPMENT
 TAX LOT 44, BLOCK 213.01

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