

GENERAL NOTES:

- SITE PLAN DEVELOPMENT FOR A 66,070± SF MEDICAL OFFICE BUILDING.
- DUE TO THE PROXIMITY OF THE CITY OF NEWBURGH WATER SOURCE (WASHINGTON LAKE), THE FACILITY OWNER/OPERATOR SHALL COMPLY WITH THE FOLLOWING SPECIAL REQUIREMENTS:
 - REFUSE ENCLOSURE SHALL BE MAINTAINED AND MONITORED TO ENSURE ALL REFUSE IS CONTAINED WITHIN THE ENCLOSURE.
 - SODIUM CHLORIDE SHALL NOT BE UTILIZED ON THIS SITE FOR DE-ICING. ALTERNATIVE MEANS OF DE-ICING IS REQUIRED (I.E. CALCIUM CHLORIDE, ETC.). INITIALLY, CALCIUM CHLORIDE TO BE UTILIZED. ANY CHANGE IN DE-ICING AGENT TO BE IN COMPLIANCE WITH FILED AGREEMENT BETWEEN THE FACILITY OWNER AND THE CITY OF NEWBURGH.
 - ONLY ECO-FRIENDLY HERBICIDES, PESTICIDES AND FERTILIZERS SHALL BE USED ON THIS SITE, IF NEEDED.
 - DURING SNOW REMOVAL OPERATIONS, SNOW PLOWING SHALL BE DIRECTED AWAY FROM THE RETAINING WALL AND SHALL NOT PASS OVER THE WALL ONTO THE ADJOINING CITY OF NEWBURGH PROPERTY.
 - SHOULD ANY HAZARDOUS SPILL OCCUR THAT REQUIRES NOTICE TO BE GIVEN TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, THE FACILITY OWNER SHALL PROVIDE THE CITY OF NEWBURGH ENGINEER WITH SIMULTANEOUS NOTICE OF SUCH SPILL.
- A FORMAL MAINTENANCE AGREEMENT EXECUTED BY THE FACILITY OWNER AND THE TOWN OF NEWBURGH FOR STORMWATER MANAGEMENT FACILITIES BINDING ON ALL SUBSEQUENT FACILITY OWNERS SERVED BY THE FACILITIES AND ALL OTHER PARTIES HAVING AN INTEREST IN THE PROPERTY SHALL BE RECORDED IN THE OFFICE OF THE COUNTY CLERK IN THE SAME MANNER AS A DEED RESTRICTION ON THE PROPERTY.
- A FORMAL MAINTENANCE AGREEMENT EXECUTED BY THE FACILITY OWNER AND THE CITY OF NEWBURGH FOR STORMWATER MANAGEMENT FACILITIES BINDING ON ALL SUBSEQUENT FACILITY OWNERS SERVED BY THE FACILITIES AND ALL OTHER PARTIES HAVING AN INTEREST IN THE PROPERTY SHALL BE RECORDED IN THE OFFICE OF THE COUNTY CLERK IN THE SAME MANNER AS A DEED RESTRICTION ON THE PROPERTY.
- A COPY OF ALL STORMWATER OBSERVATION REPORTS TO BE PROVIDED TO THE CITY OF NEWBURGH.



LOCATION PLAN
1 INCH = 2000 FEET

RECORD OWNERS:

- REGINA C. FLANNERY, INDIVIDUALLY
REGINA C. FLANNERY, AS EXECUTRIX OF
THE ESTATE OF JAMES J. FLANNERY
135 DOGWOOD LANE,
NEWBURGH, NY 12550
- 97 - 3 - 6
97 - 3 - 7
97 - 3 - 26
4 - 1 - 72.2
L. 13386 P. 1962
- THE OLD BRITAIN GROUP, LLC
104 GARDEN COURT
FRANKLIN LAKES, NJ 07417
- 97 - 3 - 1
97 - 3 - 2
L. 13482 P. 370
- NEWBURGH TOWN CENTER, LLC
104 GARDEN COURT
FRANKLIN LAKES, NJ 07417
- 97 - 3 - 8
L. 12109 P. 731

EXISTING AREAS:

| TOWN OF NEWBURGH | |
|---------------------|-------------------|
| TAX LOT 97 - 3 - 1 | 0.342± AC. |
| TAX LOT 97 - 3 - 2 | 0.284± AC. |
| TAX LOT 97 - 3 - 6 | 4.340± AC. |
| TAX LOT 97 - 3 - 7 | 2.110± AC. |
| TAX LOT 97 - 3 - 26 | 0.790± AC. |
| TAX LOT 97 - 3 - 8 | 0.453± AC. |
| TOTAL: | 8.319± AC. |

| TOWN OF NEW WINDSOR | |
|----------------------|------------|
| TAX LOT 4 - 1 - 72.2 | 0.258± AC. |

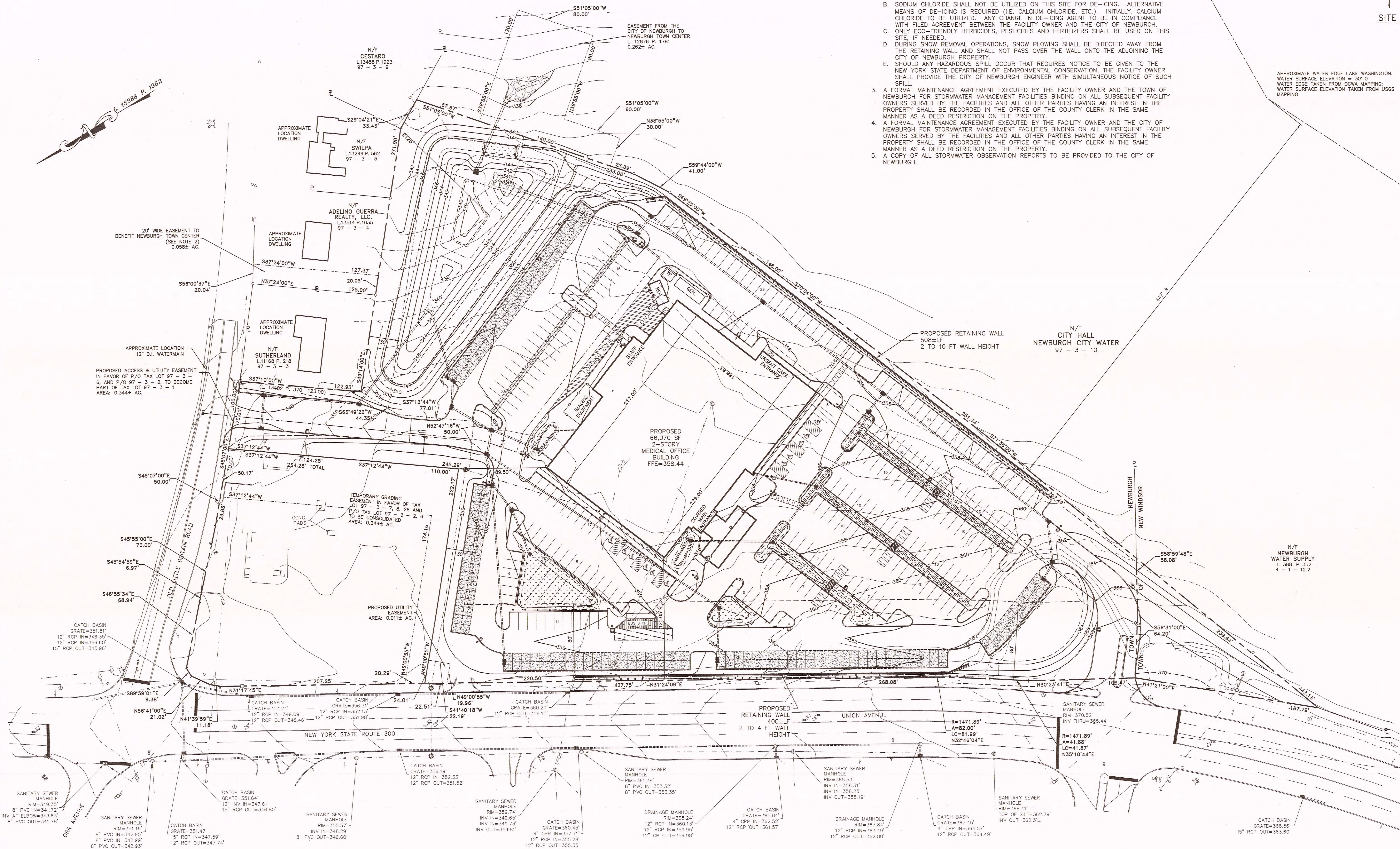
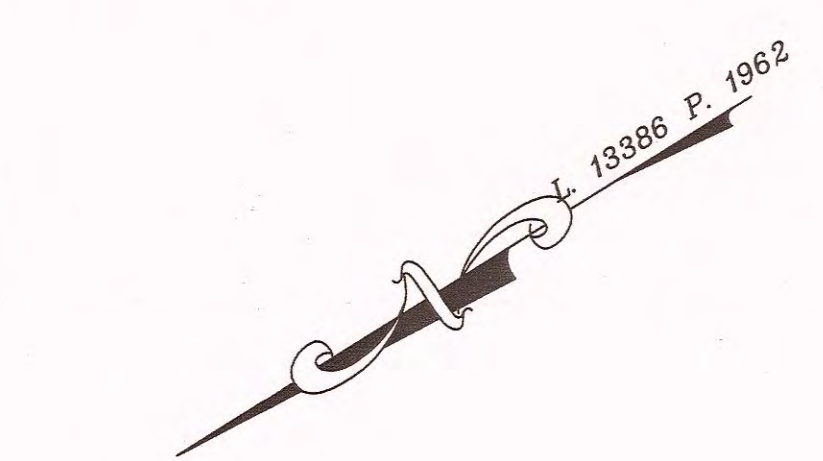
LOT LINE CHANGE AREAS:

TOWN OF NEWBURGH
PART OF TAX LOT 97 - 3 - 6 AND PART OF
97 - 3 - 2 TO BECOME PART OF TAX LOT 97 - 3 - 1

| | |
|------------------------|-------------------|
| TAX LOT 97 - 3 - 1 | 0.342± AC. |
| P/O TAX LOT 97 - 3 - 2 | 0.086± AC. |
| P/O TAX LOT 97 - 3 - 6 | 0.846± AC. |
| TOTAL: | 1.274± AC. |

| | |
|---------------------------|--|
| TAX LOT 97 - 3 - 7, 8, 26 | AND PART OF 97 - 3 - 2, 6 TO BE CONSOLIDATED |
| P/O TAX LOT 97 - 3 - 2 | 0.198± AC. |
| P/O TAX LOT 97 - 3 - 6 | 3.494± AC. |
| TAX LOT 97 - 3 - 7 | 2.110± AC. |
| TAX LOT 97 - 3 - 26 | 0.790± AC. |
| TAX LOT 97 - 3 - 8 | 0.453± AC. |
| TOTAL: | 7.045± AC. |

| TOWN OF NEW WINDSOR | |
|----------------------|------------|
| TAX LOT 4 - 1 - 72.2 | 0.258± AC. |



SURVEY NOTES:

- SUBSURFACE STRUCTURES AND UTILITIES NOT VISIBLE AT THE TIME OF SURVEY HAVE NOT BEEN SHOWN.
- REFERENCE:
MAP ENTITLED "COMPOSITE SITE PLAN, SOUTH UNION PLAZA, TOWN OF NEWBURGH, NEW YORK, DATED OCTOBER 16, 2007, LAST REVISED OCTOBER 29, 2008 AS PREPARED BY SHAW ENGINEERING, CONSULTING ENGINEERS."
TITLE REPORT NUMBER 730-0-2497, PREPARED BY HARDENBURGH TITLE AGENCY, DATED AUGUST 30, 2013.
- TAX LOT 97 - 3 - 2 IS SUBJECT TO A RIGHT OF WAY GRANTED TO THE HUDSON RIVER TELEPHONE COMPANY, ITS SUCCESSORS AND/OR ASSIGNS, FOR THE PURPOSE OF MAINTAINING ITS LINES WITH THE NECESSARY POLES, WIRES, GUYS AND BRACES, ALONG WITH THE RIGHT TO TRIM TREES, AS MENTIONED IN LIBER 491 OF DEEDS AT PAGE 599.

LEGEND:

- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE
- EXISTING EASEMENT
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- YARD SETBACKS
- PROPOSED EDGE OF PAVEMENT
- PROPOSED CONCRETE CURB
- PROPOSED MOUNTABLE CONCRETE CURB
- PROPOSED SIDEWALK
- PROPOSED WOODEN GUIDERAIL
- PROPOSED BOX BEAM GUIDERAIL
- PROPOSED SPLIT RAIL FENCE
- PROPOSED CHAIN LINK FENCE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED SEWER SERVICE
- PROPOSED WATER SERVICE (6" DI)
- PROPOSED WATER SERVICE (2" COPPER)
- PROPOSED DRAINAGE PIPE
- PROPOSED CONCRETE BOLLARD
- PROPOSED HYDRANT
- PROPOSED CATCH BASIN
- PROPOSED BIO RETENTION AREA
- PROPOSED POROUS ASPHALT

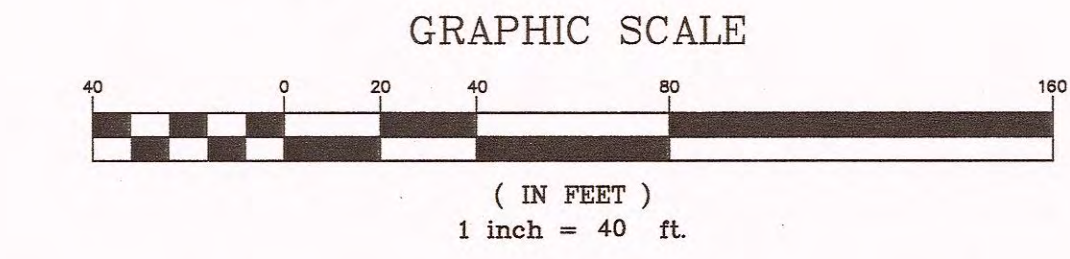
TABLE OF ZONING REQUIREMENTS
IB DISTRICT (INTERCHANGE BUSINESS)

| | REQUIRED | PROVIDED |
|---------------------------|-------------|----------------|
| MINIMUM LOT AREA | 40,000 S.F. | 518,118.68± SF |
| LOT DEPTH | 150 FT. | 416.34± FT |
| LOT WIDTH | 150 FT. | 784.84± FT |
| FRONT YARD (UNION AVENUE) | 80 FT. | 125.05± FT |
| SIDE YARD (ONE) | 30 FT. | 89.50± FT |
| SIDE YARD (BOTH) | 80 FT. | 443.17± FT |
| REAR YARD | 60 FT. | 70.65± FT |

| | PERMITTED | PROVIDED |
|-----------------------|-----------|----------|
| LOT BUILDING COVERAGE | 40% | 11.42% |
| LOT SURFACE COVERAGE | 80% | 60.42% |
| BUILDING HEIGHT | 40 FT. | 39.67 FT |

REQUIRED PARKING
65,390± SF OFFICE BUILDING

| PARKING TYPE | REQUIRED RATIO | SPACES REQUIRED | SPACES PROVIDED |
|-------------------|---|-----------------|-----------------|
| 66,070± SF OFFICE | 1/200 SF/GFA 1ST 20,000 SF ± 1/300 SF/GFA OVER 20,000 SF ± | 253.5 | 370 |
| HANDICAP PARKING | 301-400 SPACES ADA REQUIREMENT | 8 | 12 |



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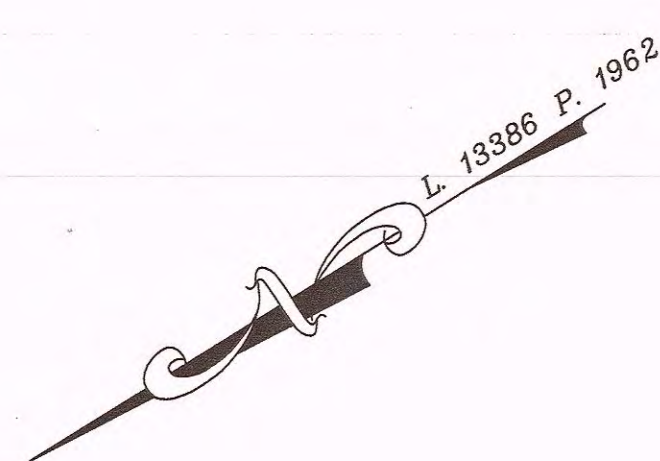
SITE PLAN
MEDICAL OFFICE BUILDING

CRH REALTY VIII, LLC

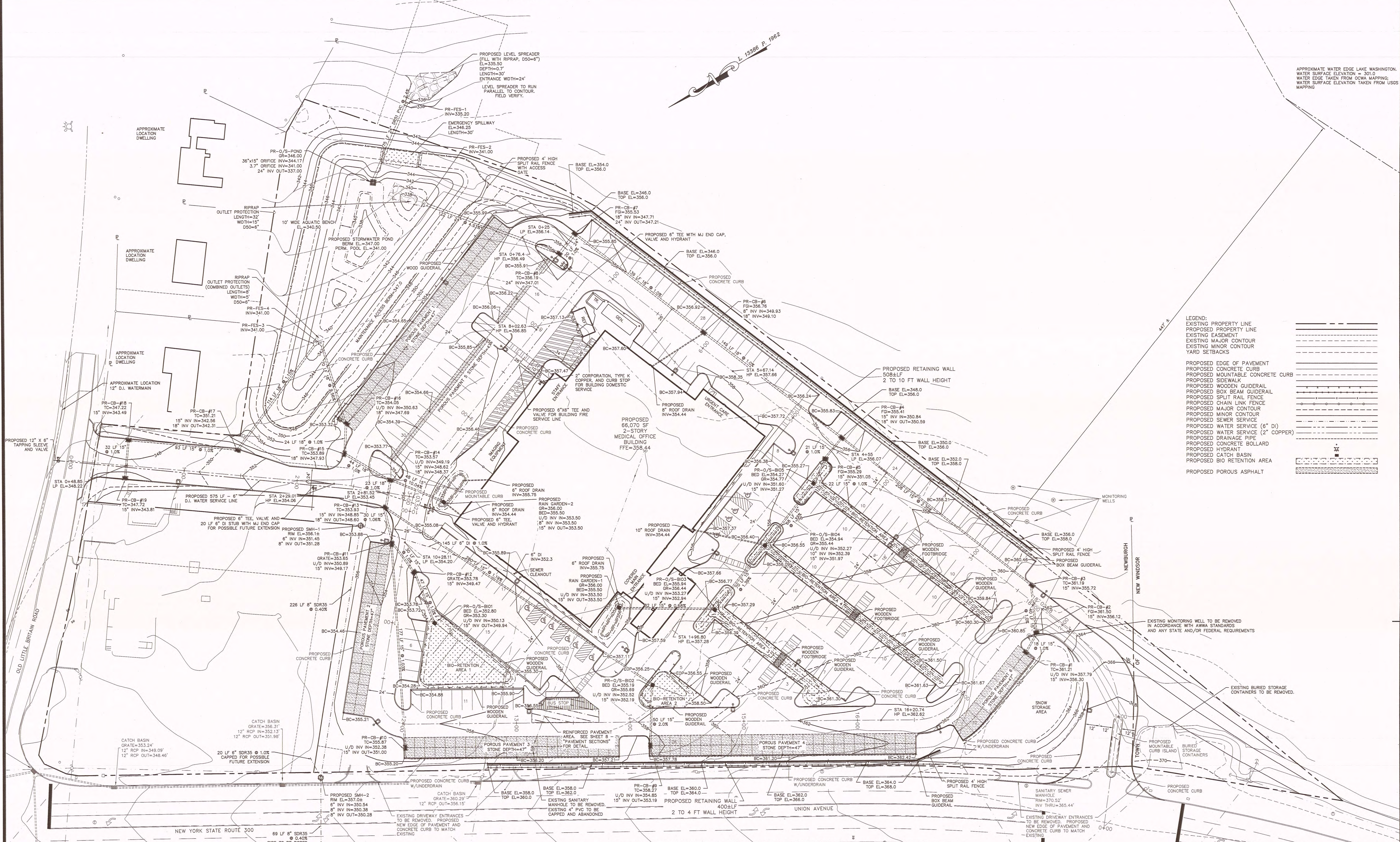
TOWN OF NEWBURGH
ORANGE COUNTY, NEW YORK

DATE: DECEMBER 10, 2013
DRAWN: DECEMBER 13, 2013
CHECKED: MARCH 8, 2014
APPROVED: MARCH 26, 2014

Scale: 1" = 40'
Drawing No.: C3D
A - 12 - 0100 - 01



APPROXIMATE WATER EDGE LAKE WASHINGTON.
WATER SURFACE ELEVATION = 301.0
WATER SURFACE TAKEN FROM OCWA MAPPING.
WATER SURFACE ELEVATION TAKEN FROM USGS
MAPPING



- LEGEND:
- EXISTING PROPERTY LINE
 - PROPOSED PROPERTY LINE
 - EXISTING EASEMENT
 - EXISTING MAJOR CONTOUR
 - EXISTING MINOR CONTOUR
 - YARD SETBACKS
 - PROPOSED EDGE OF PAVEMENT
 - PROPOSED CONCRETE CURB
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NEWBURGH
NEW WINDSOR

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TOWN OF NEWBURGH
PLANNING BOARD NO. 2013-18

GRADING AND UTILITY PLAN

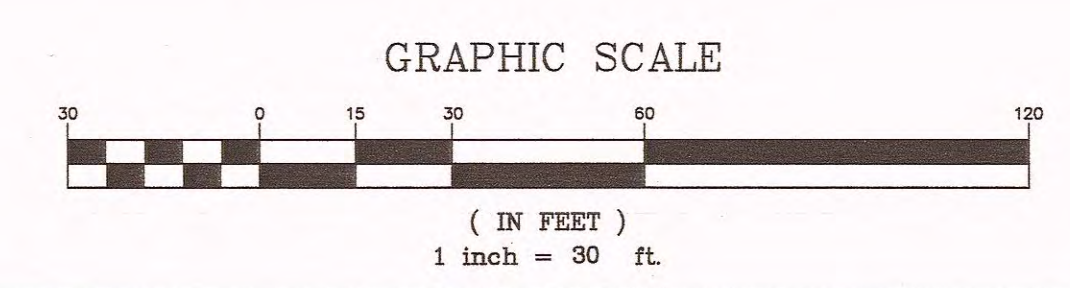
CRH REALTY VIII, LLC

TOWN OF NEWBURGH
ORANGE COUNTY, NEW YORK

Scale: 1" = 30'

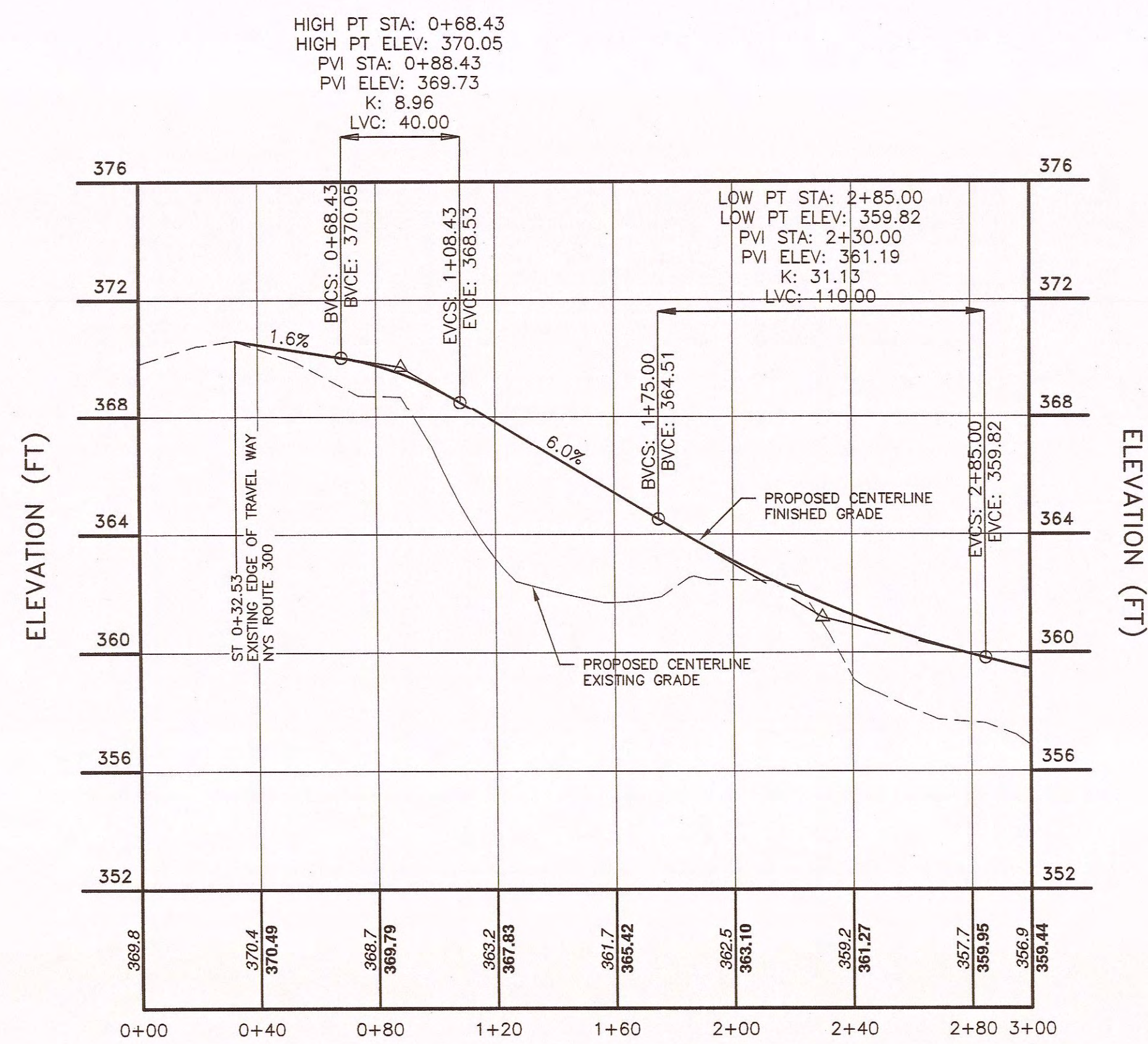
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REVISION: DECEMBER 13, 2013
DATE: MARCH 5, 2014
DATE: MARCH 26, 2014

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Checked By:
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Date: 3/11/14
Sheet No.: 2 OF 10
Drawing No.: C30
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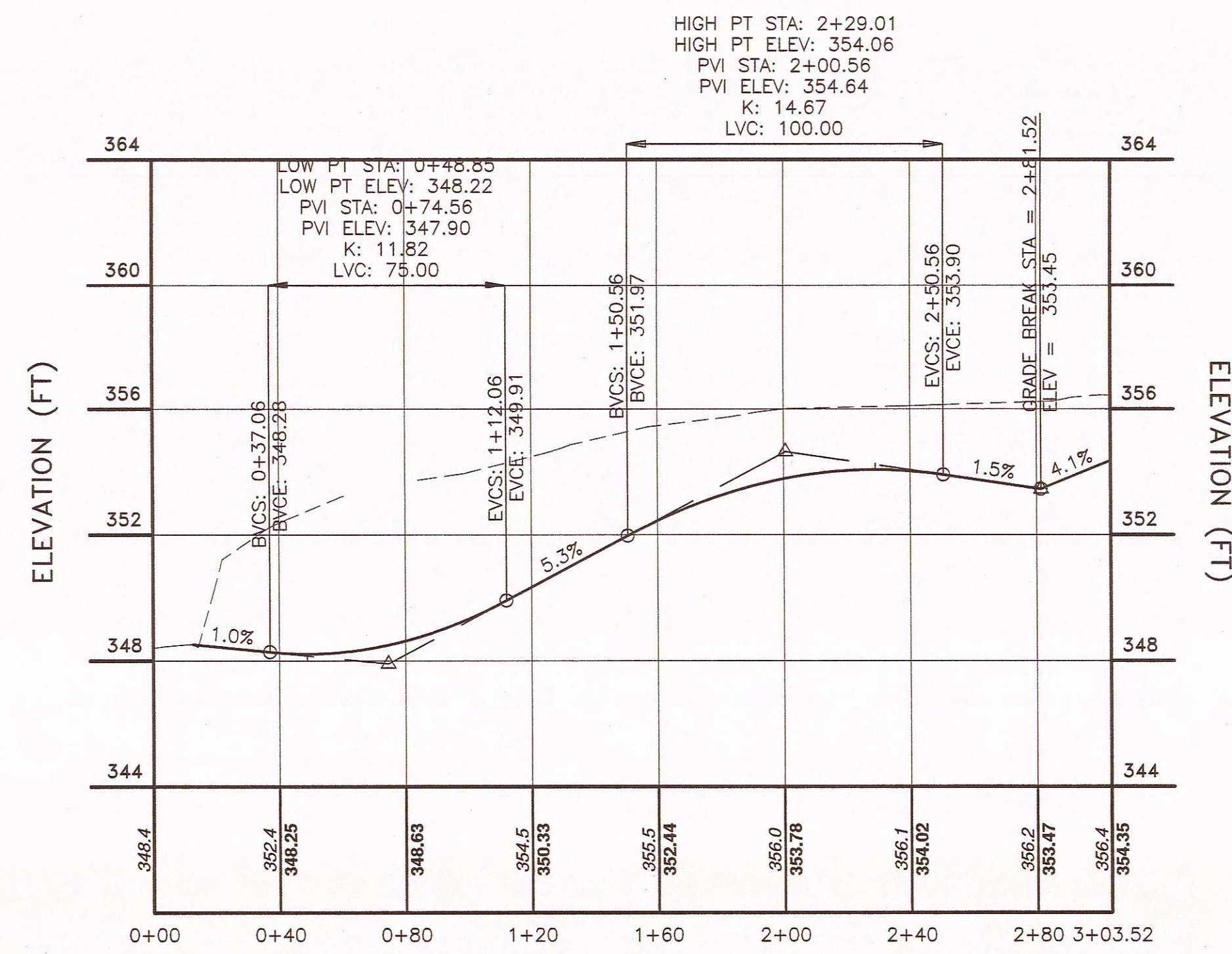


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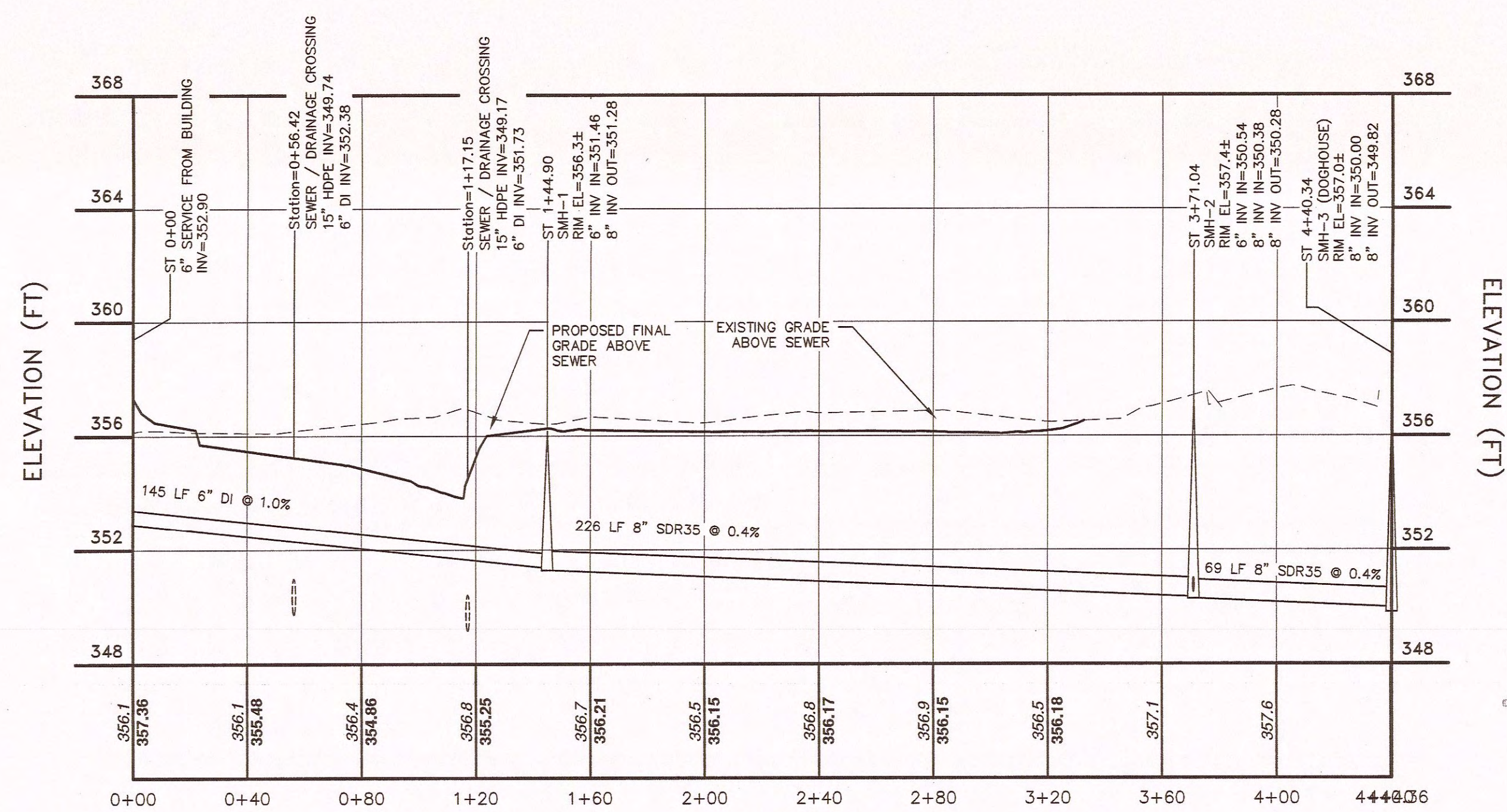
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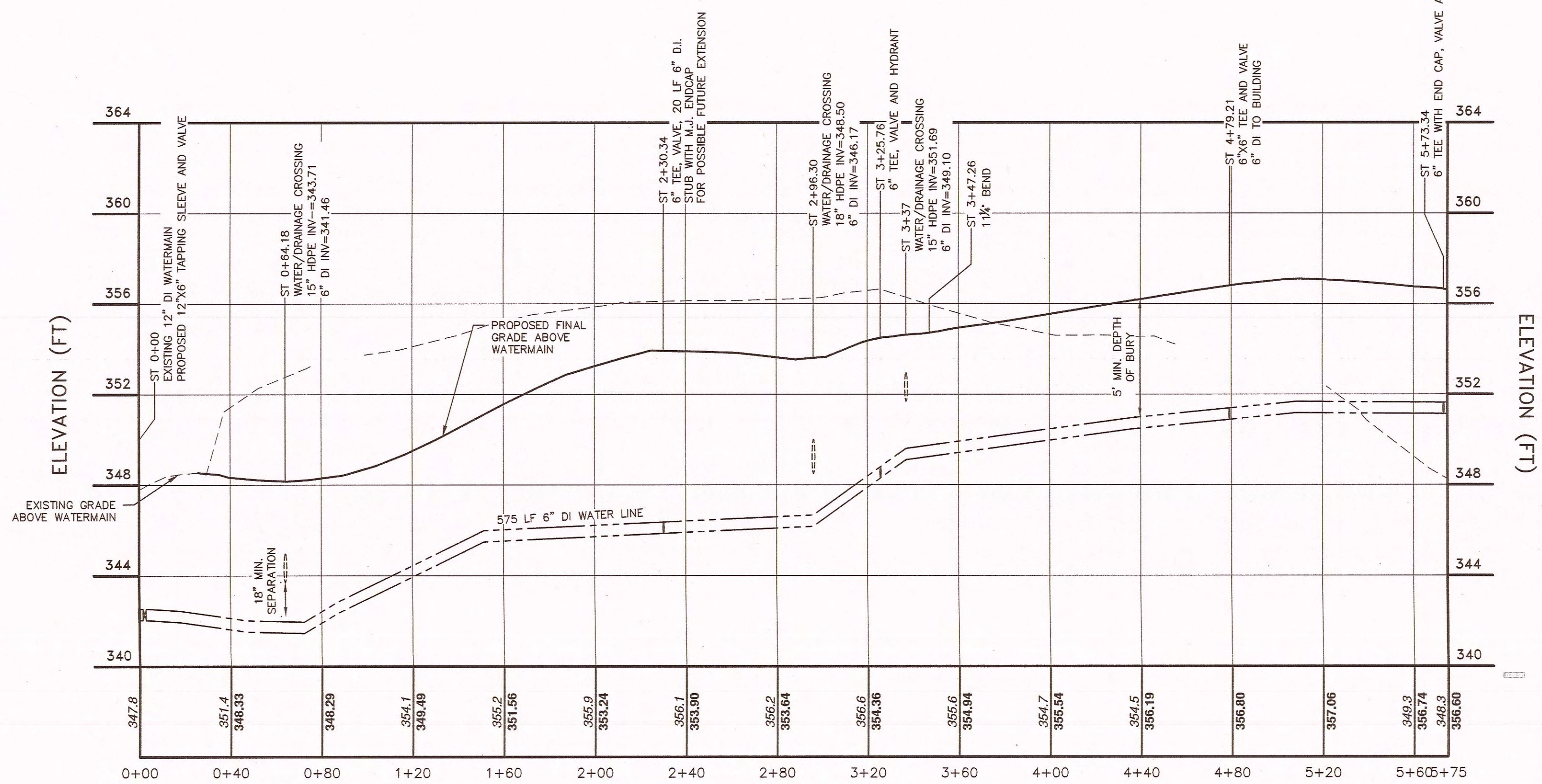
MAIN ENTRANCE - ROUTE 300
ST 0+00 THRU ST 3+00
SCALE: HORIZONTAL 1"=40'
VERTICAL 1"=4'



ENTRANCE - OLD LITTLE BRITAIN ROAD
ST 0+00 THRU ST 3+03.52
SCALE: HORIZONTAL 1"=40'
VERTICAL 1"=4'



SANITARY SEWER
ST 0+00 THRU ST 4+40.36
SCALE: HORIZONTAL 1"=40'
VERTICAL 1"=4'



WATERMAIN
ST 0+00 THRU ST 5+75
SCALE: HORIZONTAL 1"=40'
VERTICAL 1"=4'

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DATE: DECEMBER 10, 2013
REVISIONS:
DECEMBER 13, 2013
MARCH 6, 2014
MARCH 26, 2014

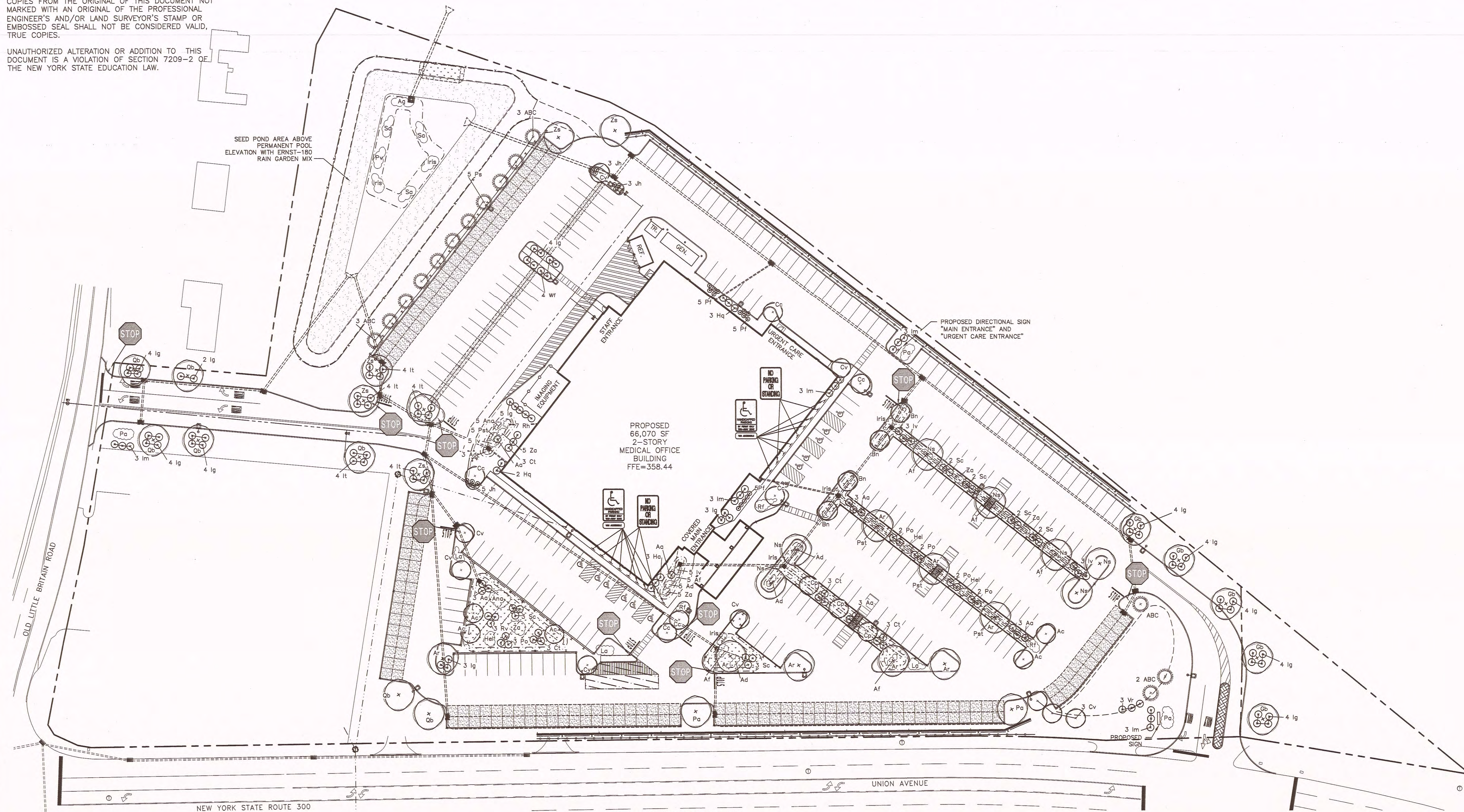
PROJECT: PROFILES
CLIENT: CRH REALTY VIII, LLC
LOCATION: TOWN OF NEWBURGH, ORANGE COUNTY, NEW YORK

Drawn By: dmik
Checked By:
Scale: AS NOTED
The Map No. 97-3-6-2 & 26
4-1-77-2 NY

Drawing No.: C30
A - 12 - 0100 - 01

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GENERAL LANDSCAPING NOTES:

1. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE TO LOCATE AND VERIFY LOCATION OF ALL UTILITIES ON SITE PRIOR TO CONSTRUCTION OR INSTALLATION.
2. ALL PLANT MATERIAL SHALL BE NURSERY GROWN AND SHALL CONFORM TO THE STANDARDS OF AMERICAN STANDARD FOR NURSERY STOCK, THE AMERICAN ASSOCIATION OF NURSERYMEN, LATEST EDITION.
3. ALL PLANTS AND WORKMANSHIP SHALL BE UNCONDITIONALLY GUARANTEED FOR 2 CALENDAR YEARS. CONTRACTOR SHALL REMOVE STAKING AND GUYING AT END OF GUARANTEE PERIOD.
4. ALL LANDSCAPE INSTALLATIONS SHALL BE MAINTAINED ON A REGULAR BASIS, AND SHALL NOT BE ALLOWED TO TAKE ON AN UNSIGHTLY APPEARANCE (EXCEPT FOR NATURAL AREAS WHICH SHALL BE ALLOWED TO GROW NATURALLY WITH A MINIMUM OF MAINTENANCE).
5. CONTRACTOR SHALL FIELD STAKE THE LOCATIONS OF ALL PLANT MATERIAL PRIOR TO INITIATING INSTALLATION FOR THE REVIEW AND APPROVAL OF THE OWNER'S REPRESENTATIVE.
6. ALL LANDSCAPING PLANT MATERIALS - TREES, SHRUBS, GROUNDCOVERS AND PERENNIALS SHALL BE PLANTED AS SHOWN IN DETAILS. BACKFILL MIX FOR PLANTING BEDS SHALL BE A MIX OF TOPSOIL, WELL-ROTTED COMPOST AND FERTILIZER. PROVIDE PLANTING PITS AS INDICATED ON PLANTING DETAILS. IF WET SOIL CONDITIONS EXIST THEN PLANTING PITS SHALL BE EXCAVATED AN ADDITIONAL 12" AND FILLED WITH CRUSHED STONE.
7. ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THAT WHICH EXISTED IN THE NURSERY.
8. ALL PLANTS SHALL BE ORIENTED AT THEIR PROPOSED LOCATION TO PRESENT THEIR BEST SIDE.
9. NEWLY INSTALLED PLANT MATERIAL SHALL BE WATERED AT THE TIME OF INSTALLATION. REGULAR WATERING SHALL BE PROVIDED TO ENSURE THE ESTABLISHMENT, GROWTH AND SURVIVAL ALL PLANTS.
10. ALL LAWN/GRASSED AREAS ARE TO BE TOPSOILED TO A DEPTH OF 4" AND SEED AS PER THE PERMANENT SEEDING RATE. A MINIMUM OF 12" OF TOPSOIL IN ALL PLANTING AREAS. IF POOR SOILS OR ROCK ARE ENCOUNTERED IN AREAS OF CUT, PROPOSED TREES SHALL BE PLANTED IN A MINIMUM OF 18" TOPSOIL COMPOST MIX.
11. MULCH ALL PLANTING BEDS AND TREES WITH A 3 INCH MINIMUM DEPTH OF HARDWOOD BARK MULCH. NO MULCH SHALL BE PLACED AGAINST THE ROOT COLLAR OF THE PLANTINGS. ALL TREES PLANTED IN LAWN AREAS SHALL RECEIVE A 3' DIAMETER MULCH RING OR TO THE LIMIT OF THE ADJACENT LAWN AREA.
12. SHRUB AND PERENNIAL PLANTINGS ARE MASS PLANTING BEDS AND SHALL BE MULCHED CONTINUOUSLY.

LANDSCAPING SEEDING SCHEDULE

| TEMPORARY SEEDING DISTURBED AREAS | | | |
|-----------------------------------|-------------------------------------|--------------------------------|---------------|
| SEASON | TYPE OF COVER & SPECIES OF MIXTURES | SEEDING RATES IN LBS. 1,000 SF | LBS. PER ACRE |
| SPRING/SUMMER/EARLY FALL | ANNUAL RYEGRASS | 0.7 | 30 |
| LATE FALL/EARLY WINTER | AROSTOOK WINTER RYE | 2.5 | 100 |

MULCH WITH HAY OR STRAW AT 2 TONS/ACRE OR 90 LBS. PER 1,000 SF

PERMANENT LAWN SEEDING RATES

PERMANENT LAWN SEEDING SHALL CONSIST OF 30% CREEPING RED FESCUE, 50% KENTUCKY BLUE GRASS, 10% ANNUAL RYEGRASS, AND 10% PERENNIAL RYEGRASS - ERNST 5311 CONSERVATION MIX (ERNST-114) OR APPROVED EQUAL - AT A RATE OF 200 POUNDS PER ACRE OR 5 POUNDS PER 1,000 SQ. FT.

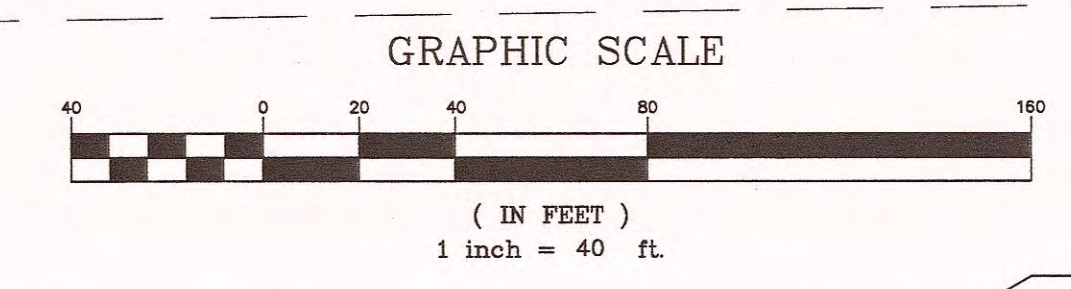
NOTES:
 1. TOPSOIL SURFACE SHALL BE FINELY GRADED AND LOOSENED BY MECHANICAL RAKES TO ENSURE SEED ACCEPTANCE AND SEED TO SOIL CONTACT.
 2. SEEDING AREA TO BE PREPARED WITH THE APPLICATION OF LIMESTONE AT THE RATE OF 800 LBS. PER 1,000 SY AND FERTILIZED WITH 10-20-20 AT THE RATE OF 140 LBS. PER 1,000 SY AFTER SEEDING, HAY MULCH IS TO BE APPLIED AT A RATE OF 2 1/2 TO 3 TONS PER ACRE.

STORMWATER AREA AND PERIMETER SEEDING

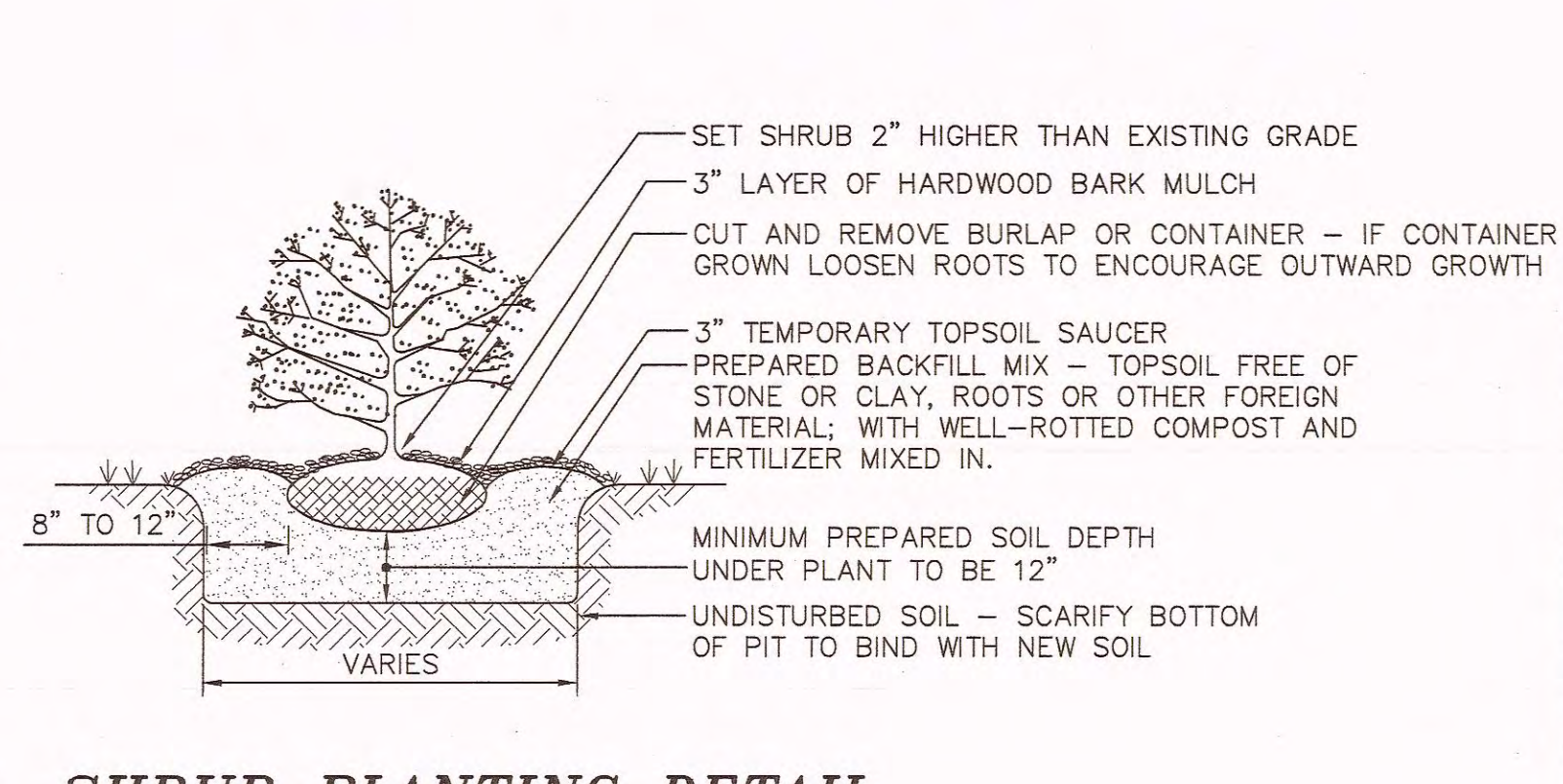
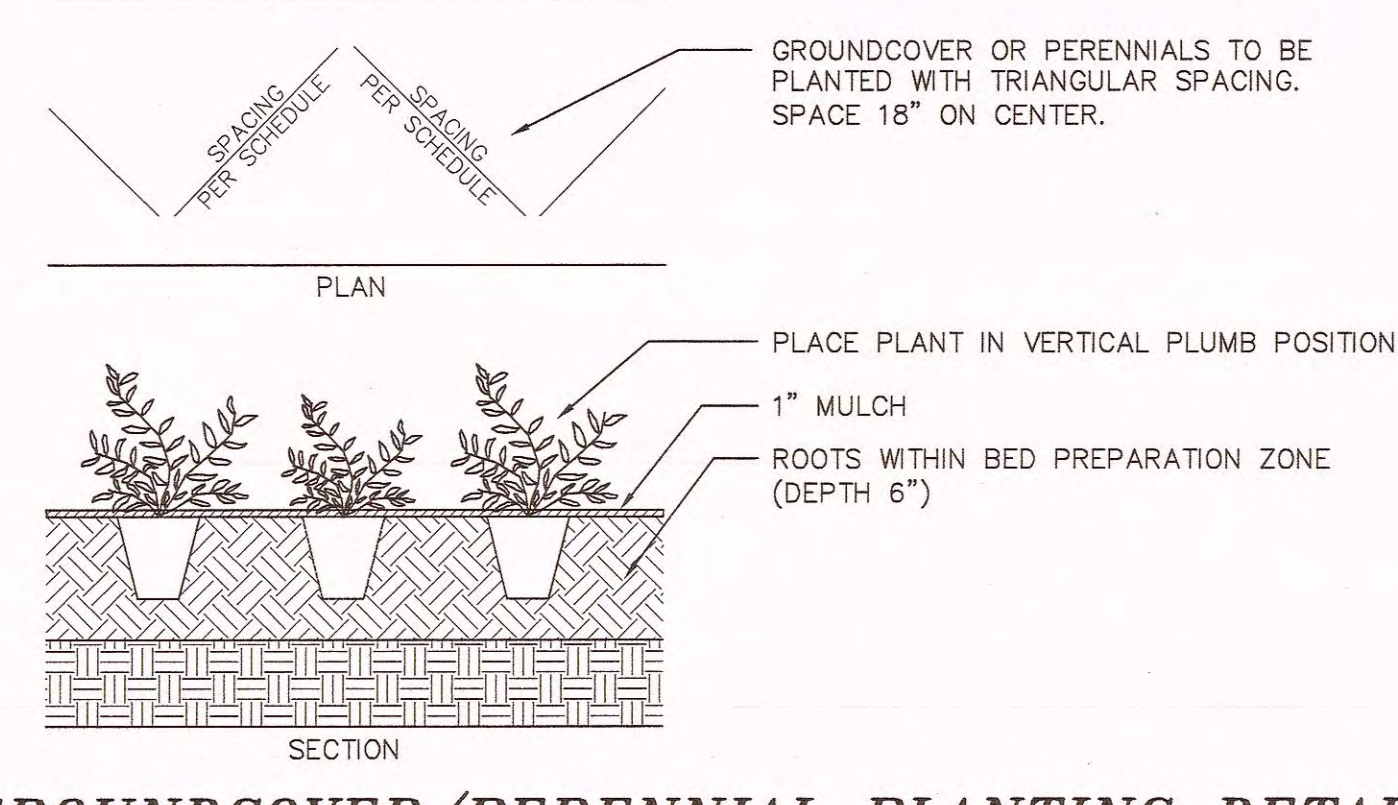
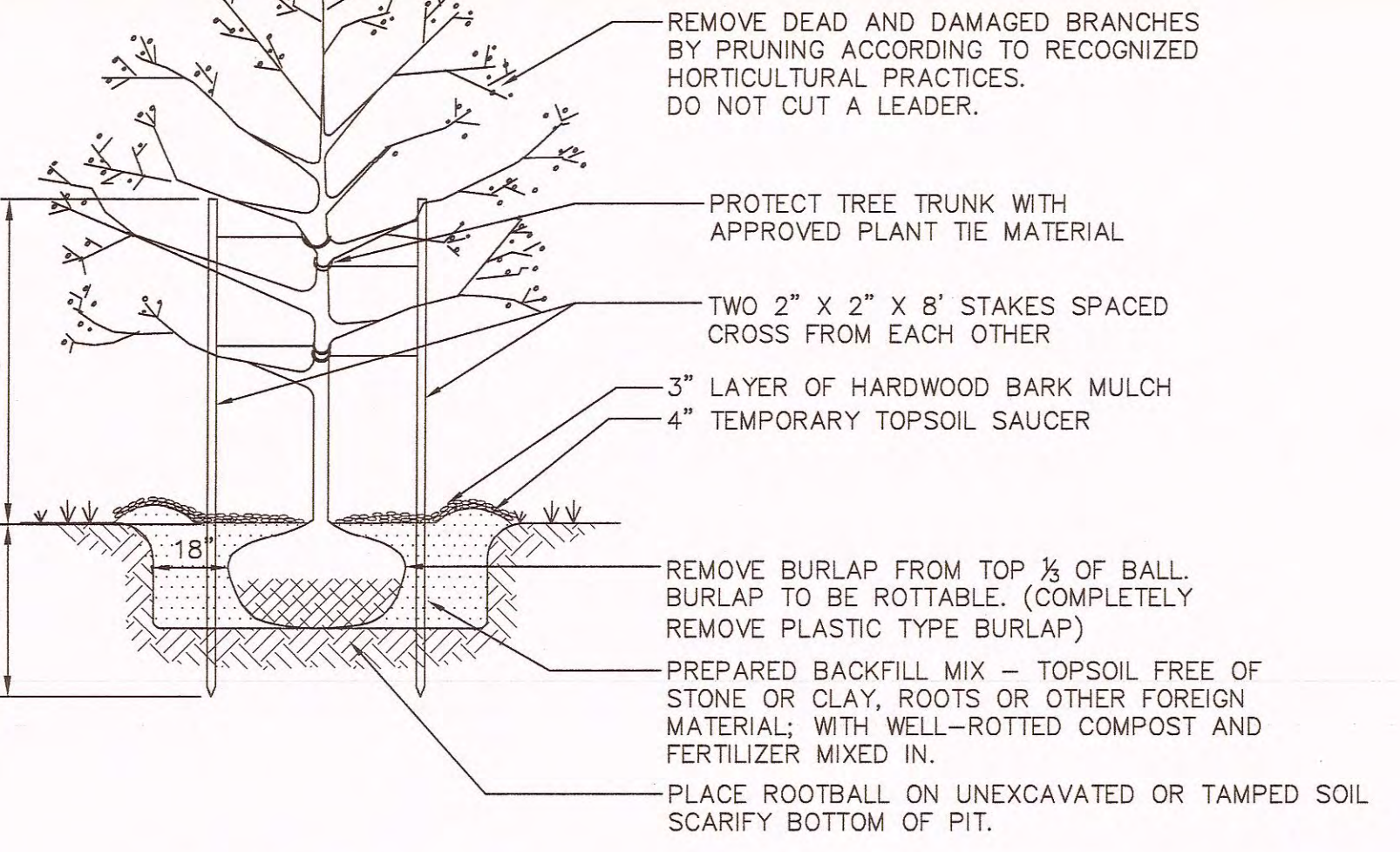
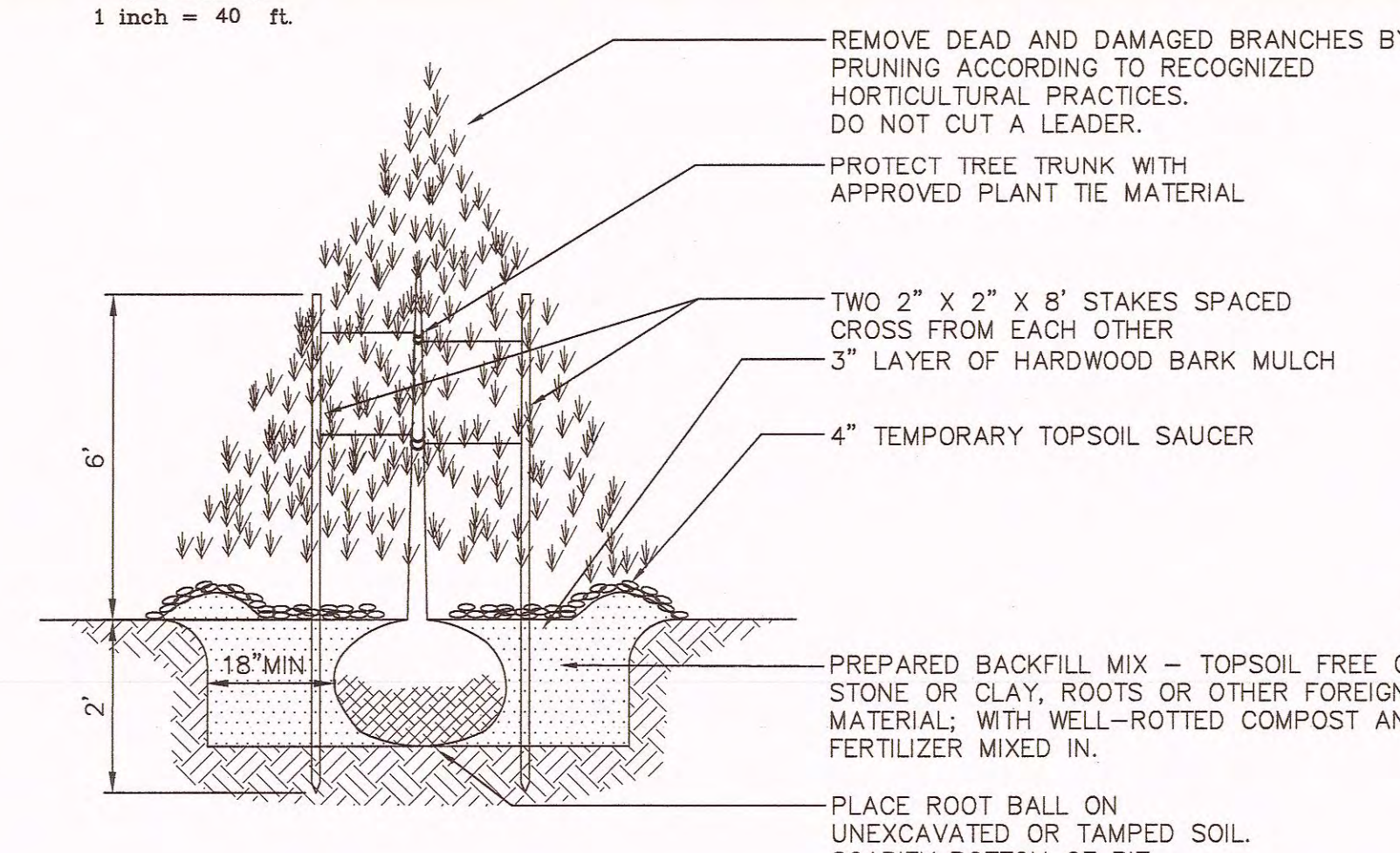
- NORTHEASTERN U.S. ROADSIDE NATIVE MIX (ERNST 105 OR APPROVED EQUAL) SHALL BE BROADCAST OVER DISTURBED AREA AROUND STORMWATER PONDS AND OTHER AREAS AS NOTED ON THE PLANS AT A RATE OF 20 POUNDS PER ACRE OR 1/2 POUND PER 1,000 SQ. FT.
- RAIN GARDEN MIX (ERNST-180 OR APPROVED EQUAL) SHALL BE BROADCAST ABOVE THE PERMANENT POOL ELEVATION IN STORMWATER PONDS AT A RATE OF 15 LB PER ACRE, OR 1/2 POUND PER 1,000 SQ. FT.

PLANTING SCHEDULE

| TREES AND SHRUBS: | SPRING PLANTING | FALL PLANTING |
|-------------------|-------------------|-------------------|
| | EVERGREEN | APRIL 1 - JUNE 30 |
| DECIDUOUS | MARCH 1 - JUNE 30 | OCT. 1 - DEC. 1 |
| SEEDING: | APRIL 1 - MAY 31 | SEPT. 1 - OCT. 15 |



| SITE PLANT SCHEDULE | | | | |
|---|-----|-------------------------------------|-----------------------------|------------------------|
| KEY | QTY | BOTANICAL NAME | COMMON NAME | SIZE, NOTES |
| DECIDUOUS TREES | | | | |
| Ar | 8 | ACER RUBRUM 'RED SUNSET' | RED SUNSET RED MAPLE | 2.5" CAL MIN. B&B |
| Gb | 5 | GINKGO BILOBA 'AUTUMN GOLD' | AUTUMN GOLD GINKGO | 2.5" CAL MIN. B&B |
| Ns | 7 | NYSSA SYLVATICA | BLACK GUM | 2.5" CAL MIN. B&B |
| Pls | 2 | PLATANUS XACERIFOLIA | LONDON PLANE TREE | 2.5" CAL MIN. B&B |
| Qb | 2 | QUERCUS BICOLOR | SWAMP WHITE OAK | 2.5" CAL MIN. B&B |
| Zs | 6 | ZELKOVA SERRATA | JAPANESE ZELKOVA | 2.5" CAL MIN. B&B |
| EVERGREEN TREES | | | | |
| ABC | 8 | ABIES CONCOLOR | WHITE FIR | 7-8' HGT. B&B |
| PS | 8 | PINUS STROBUS | WHITE PINE | 8-10' HGT. B&B |
| ORNAMENTAL TREES | | | | |
| Ac | 5 | AMELANCHIER CANADENSIS | SHADBLOW SERVICEBERRY | 1-3/4" 2" CAL. B&B |
| Bn | 4 | BETULA NIGRA 'HERITAGE' | HERITAGE RIVER BIRCH | 8-10' HGT. B&B |
| Cc | 6 | CERCOS CANADENSIS | AMERICAN REDBUD | 1-3/4" 2" CAL. B&B |
| Cp | 3 | CRATAEGUS PRUNOSA | FROSTED HAWTHORN | 1-3/4" 2" CAL. B&B |
| Cv | 9 | CRATAEGUS VIRIDIS | WINTER KING HAWTHORNE | 1-3/4" 2" CAL. B&B |
| SHRUBS | | | | |
| Hs | 3 | HYDRANGEA ARBORESCENS 'ANNABELLE' | ANNABELLE HYDRANGEA | 18"-24" DIA. CONTAINER |
| Hq | 5 | HYDRANGEA QUERCIFOLIA 'PEE WEE' | OAK LEAF HYDRANGEA | 18"-24" DIA. CONTAINER |
| Ig | 49 | ILEX GLABRA | INKBERRY | 18"-24" DIA. CONTAINER |
| Im | 15 | ILEX MESSEYANA 'BLUE PRINCE' | BLUE PRINCE HOLLY | 24"-30" DIA. CONTAINER |
| Il | 20 | ITEA VIRGINICA 'HENRY'S GARNET' | VIRGINIA SWEETSPICE | 18"-24" DIA. CONTAINER |
| Pt | 15 | POTENTILLA FRUTICOSA | SHRUBBY CINQUEFOIL | 18"-24" DIA. CONTAINER |
| Vr | 3 | VIBURNUM RHYTHOPHYLLUM | LEATHERLEAF VIBURNUM | 24"-30" DIA. CONTAINER |
| Wf | 4 | WEIGELA FLORIDA 'RED PRINCE' | RED PRINCE WEIGELA | 18"-24" DIA. CONTAINER |
| GROUNDCOVERS | | | | |
| Jh | 11 | JUNIPERUS HORIZONTALIS 'BAR HARBOR' | BAR HARBOR CREEPING JUNIPER | 2 GAL. 38" O.C. |
| PERENNIALS | | | | |
| La | 50 | LAVANDULA ANGUSTIFOLIA | LAVENDER | 3 GAL. CONTAINER |
| Pa | 30 | PENNISETUM ALOPECUROIDES | FOUNTAIN GRASS | 3 GAL. CONTAINER |
| SHRUBS (BIORETENTION AREA) | | | | |
| Aa | 14 | ARONIA ARBUTIFOLIA | RED CHOKEBERRY | 3 GAL. CONTAINER |
| Cl | 12 | CHAMAECYPARIS THYOIDES 'TOP POINT' | ATLANTIC WHITE CEDAR | 3 GAL. CONTAINER |
| Iv | 6 | ILEX VERTICILLATA | WINTERBERRY | 3 GAL. CONTAINER |
| Pp | 11 | PHYSCOCARPUS OPULIFOLIUS | NINEBARK | 3 GAL. CONTAINER |
| Rv | 3 | RHOODODENDRUM VISCOSUM | SWAMP AZALEA | 3 GAL. CONTAINER |
| Sc | 14 | SAMBUCUS CANADENSIS | ELDERBERRY | 3 GAL. CONTAINER |
| PERENNIALS (BIORETENTION AREA/RAIN GARDEN) | | | | |
| Anb | 50 | ASTER NOVAE ANGLIAE | NEW ENGLAND ASTER | 1 GAL. CONTAINER |
| Ad | 35 | ARJUNCUS DICUIS | GOATS BEARD | 1 GAL. CONTAINER |
| At | 55 | ATHYRIUM FILIX-FEMINA | LADY FERN | 1 GAL. CONTAINER |
| Hel | 20 | HELENIUM AUTUMNALE | COMMON SNEEZEWEED | 1 GAL. CONTAINER |
| Irs | 45 | IRIS VERSICOLOR | BLUE FLAG | 1 GAL. CONTAINER |
| Phl | 20 | PHLOX STOLONIFERA 'BLUE RIDGE' | BLUE RIDGE CREEPING PHLOX | 1 GAL. CONTAINER |
| Rf | 50 | RUDBECKIA FULGIDA | BLACK EYED SUSAN | 1 GAL. CONTAINER |
| Rh | 12 | RUDBECKIA HIRTA | BLACK EYED SUSAN | 1 GAL. CONTAINER |
| Za | 40 | ZIZIA AUREA | GOLDEN ALEXANDERS | 1 GAL. CONTAINER |
| STORMWATER POND | | | | |
| Ag | 25 | ANDROPOGON GLOMERATUS | BUSHY BEARDGRASS | 2" PLUG |
| Irs | 50 | IRIS VERSICOLOR | BLUE FLAG | 2" PLUG |
| Pv | 25 | PELTANDRA VIRGINICA | ARROW ARUM | 2" PLUG |
| Sa | 50 | SCRIPUS ACUTUS | HARDSTEM BULRUSH | 2" PLUG |



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 Greenvale, N.Y. 10924
 (845) 294-8700

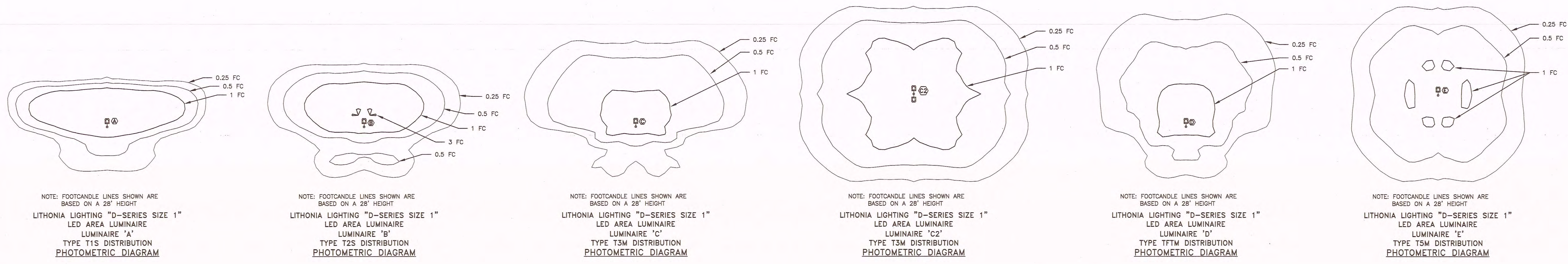
DATE: DECEMBER 10, 2013
 REVISION: DECEMBER 13, 2013
 MARCH 6, 2014
 MARCH 26, 2014

LANDSCAPING AND SIGNAGE/STRIPING

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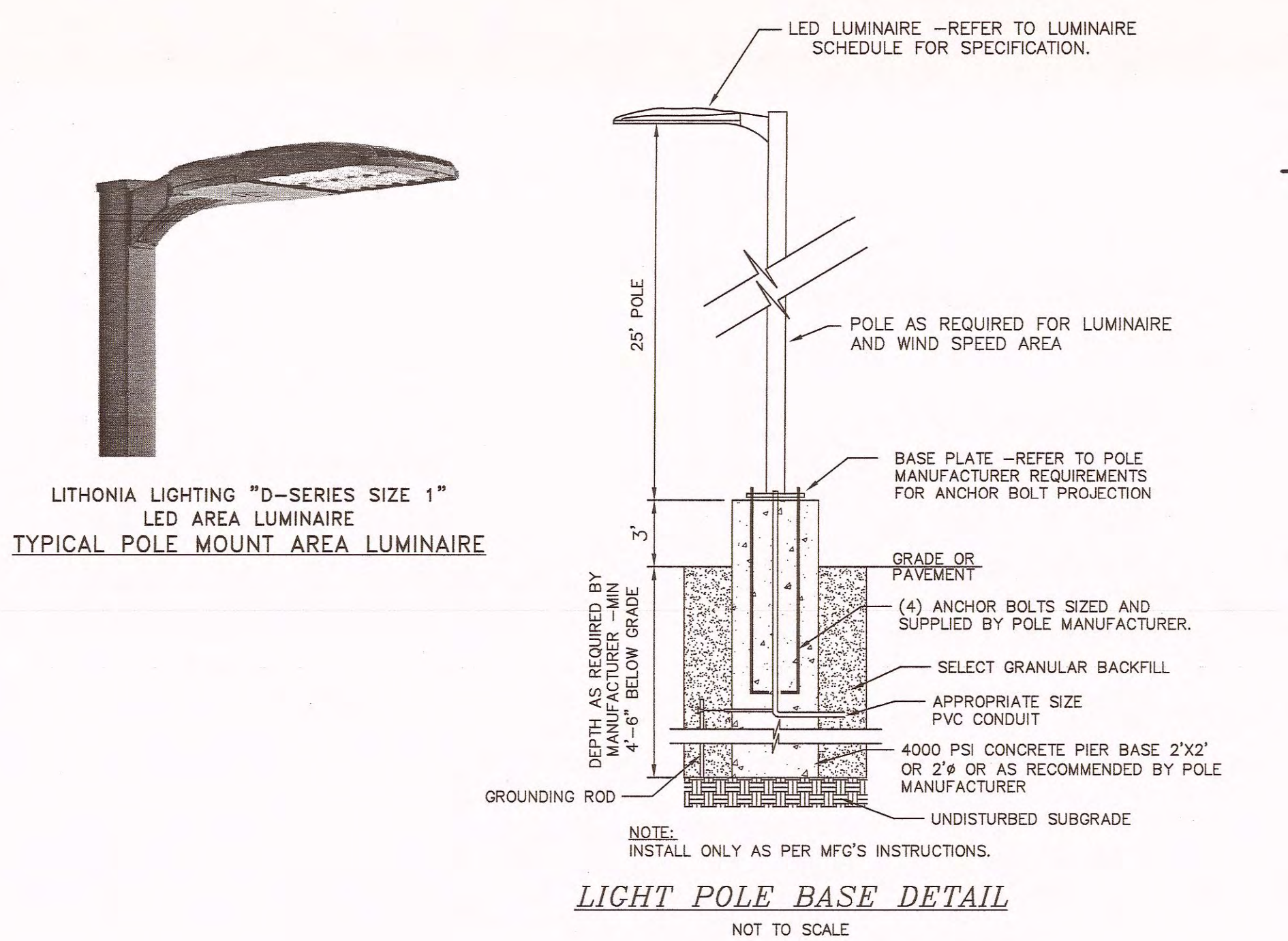
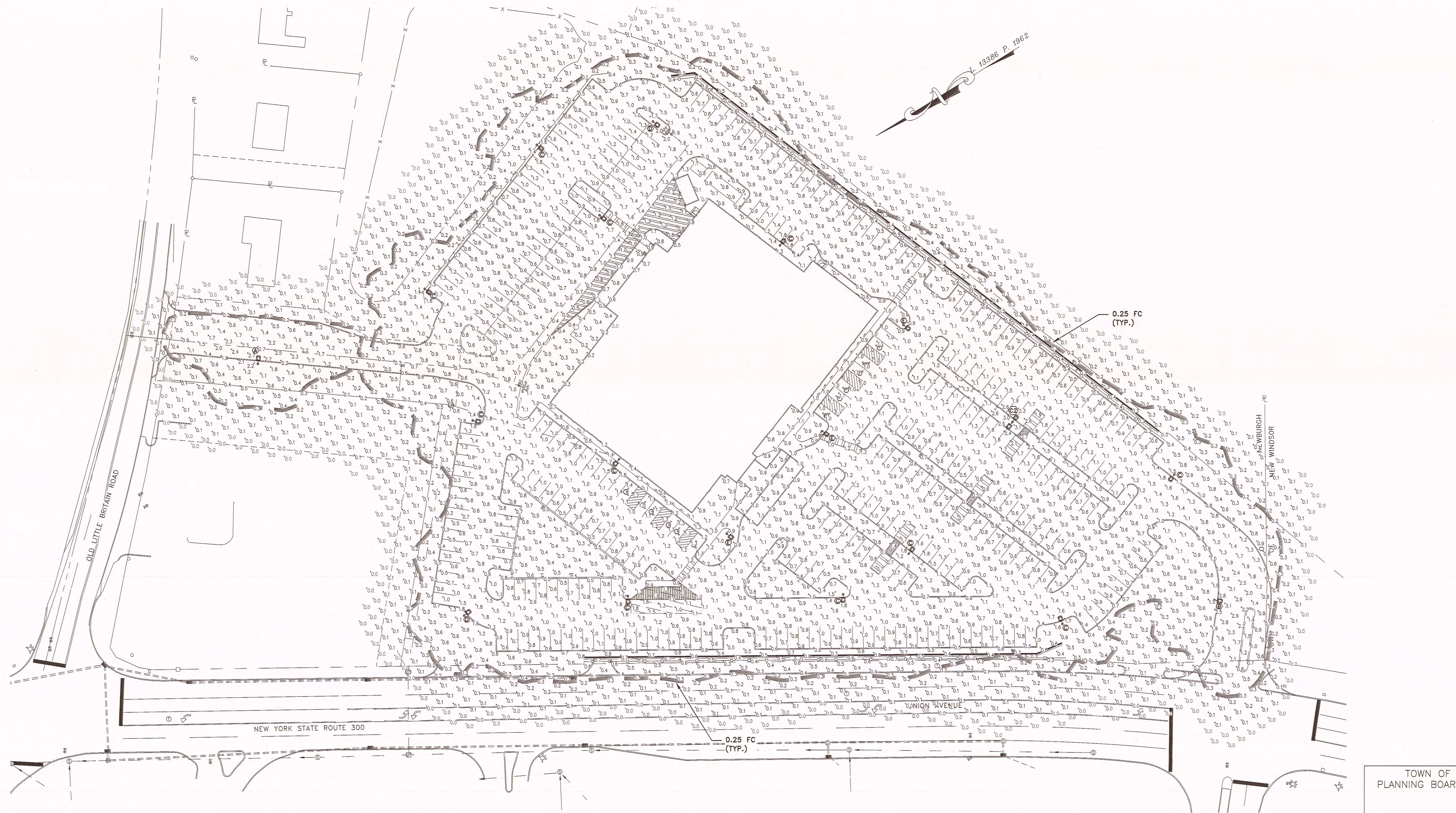
TOWN OF NEWBURGH
 ORANGE COUNTY, NEW YORK

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 Tax Map No.: 87-4-2-72 & 28
 Drawing No.: C30
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| LUMINAIRE SCHEDULE | | | | | | |
|--------------------|-----|---|--|-----------|---------|-----|
| SYMBOL | QTY | DESCRIPTION | CATALOG NUMBER | LAMP | LUMENS | LDI |
| Ⓐ | 1 | LITHONIA LIGHTING "D"-SERIES SIZE 1" LED AREA LUMINAIRE TYPE T1S DISTRIBUTION | DSX1-LED-60C-700-40K-T1S-MVOLT | LED ARRAY | 12,870± | .9 |
| Ⓑ | 1 | LITHONIA LIGHTING "D"-SERIES SIZE 1" LED AREA LUMINAIRE TYPE T2S DISTRIBUTION | DSX1-LED-60C-700-40K-T2S-MVOLT | LED ARRAY | 13,480± | .9 |
| Ⓒ | 11 | LITHONIA LIGHTING "D"-SERIES SIZE 1" LED AREA LUMINAIRE TYPE T3M DISTRIBUTION | DSX1-LED-60C-700-40K-T3M-MVOLT | LED ARRAY | 13,265± | .9 |
| Ⓒ2 | 1 | TWO LUMINAIRES: LITHONIA LIGHTING "D"-SERIES SIZE 1" LED AREA LUMINAIRE TYPE T3M DISTRIBUTION | TWO LUMINAIRES: DSX1-LED-60C-700-40K-T3M-MVOLT | LED ARRAY | 13,265± | .9 |
| Ⓓ | 2 | LITHONIA LIGHTING "D"-SERIES SIZE 1" LED AREA LUMINAIRE TYPE TFM DISTRIBUTION | DSX1-LED-60C-700-40K-TFM-MVOLT | LED ARRAY | 13,087± | .9 |
| Ⓔ | 3 | LITHONIA LIGHTING "D"-SERIES SIZE 1" LED AREA LUMINAIRE TYPE T5M DISTRIBUTION | DSX1-LED-60C-700-40K-T5M-MVOLT | LED ARRAY | 13,984± | .9 |

- NOTE:**
- REFER TO LUMINAIRE SCHEDULE FOR CATALOG NUMBER.
 - NO ADDITIONAL EQUIPMENT OR ATTACHMENTS SHALL BE PERMITTED ON LIGHT POLES WITHOUT APPROVAL OF DESIGN ENGINEER. EQUIPMENT INCLUDES BUT IS NOT LIMITED TO BANNERS, FLAGS, ADDITIONAL LUMINAIRES OTHER THAN SPECIFIED ON THIS PLAN, AND SECURITY CAMERAS.
 - FINISH OF ALL LUMINAIRES AND POLES SHALL BE SELECTED BY OWNER.
 - THIS LIGHTING PLAN DOES NOT TAKE INTO ACCOUNT ANY ARCHITECTURAL BUILDING MOUNTED LUMINAIRES.
 - CALCULATION VALUES SHOWN ON THIS PLAN ARE TAKEN ON A HORIZONTAL PLAN AT GROUND LEVEL USING A 90% LAMP LUMEN DEPRECIATION FACTOR. TOPOGRAPHICAL INFORMATION HAS NOT BEEN ACCOUNTED FOR IN THESE CALCULATIONS.
 - LIGHTING CALCULATIONS SHOWN ARE BASED UPON DATA FILES PROVIDED BY THE LUMINAIRE MANUFACTURER. ACTUAL PERFORMANCE OF LUMINAIRES AFTER INSTALLATION MAY VARY DUE TO UNCONTROLLABLE FIELD CONDITIONS.



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TOWN OF NEWBURGH
ORANGE COUNTY, NEW YORK

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REVISION: MARCH 26, 2014

PROJECT: 110100-Lighting.dwg
DRAWN BY: MK
CHECKED BY: []
SCALE: 1" = 40'

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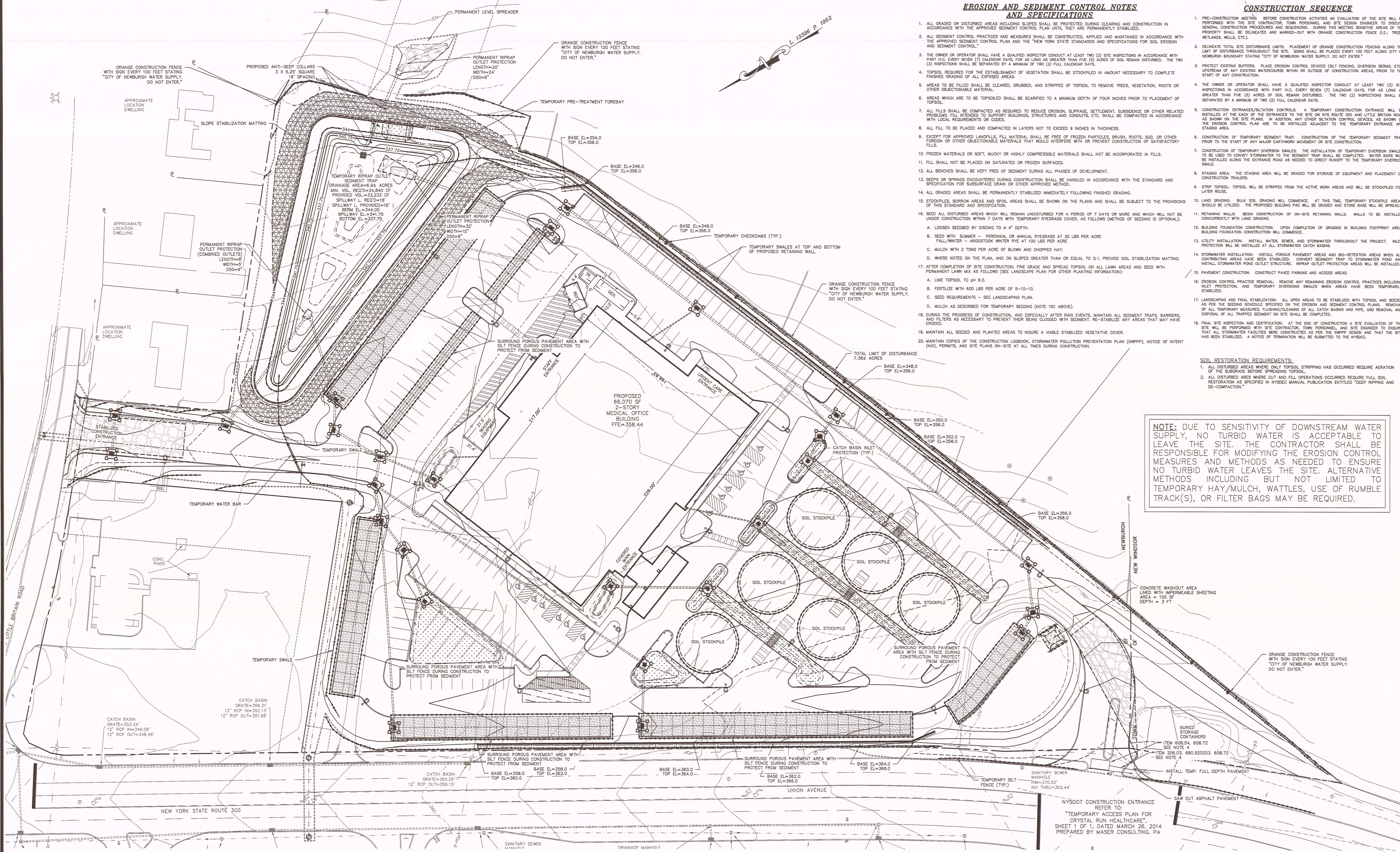
EROSION AND SEDIMENT CONTROL NOTES AND SPECIFICATIONS

CONSTRUCTION SEQUENCE

1. ALL GRADED OR DISTURBED AREAS INCLUDING SLOPES SHALL BE PROTECTED DURING CLEARING AND CONSTRUCTION IN ACCORDANCE WITH THE APPROVED SEDIMENT CONTROL PLAN UNTIL THEY ARE PERMANENTLY STABILIZED.
2. ALL SEDIMENT CONTROL PRACTICES AND MEASURES SHALL BE CONSTRUCTED, APPLIED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED SEDIMENT CONTROL PLAN AND THE "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL".
3. THE OWNER OR OPERATOR SHALL HAVE A QUALIFIED INSPECTOR CONDUCT AT LEAST TWO (2) SITE INSPECTIONS IN ACCORDANCE WITH PART V.C. EVERY SEVEN (7) CALENDAR DAYS, FOR AS LONG AS GREATER THAN FIVE (5) ACRES OF SOIL REMAIN DISTURBED. THE TWO (2) INSPECTIONS SHALL BE SEPARATED BY A MINIMUM OF TWO (2) FULL CALENDAR DAYS.
4. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED IN AMOUNT NECESSARY TO COMPLETE FINISHED GRADING OF ALL EXPOSED AREAS.
5. AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROCKS OR OTHER OBJECTIONABLE MATERIAL.
6. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF FOUR INCHES PRIOR TO PLACEMENT OF TOPSOIL.
7. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
8. ALL FILL TO BE PLACED AND COMPACTED IN LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
9. EXCEPT FOR APPROVED LANDFILLS, FILL MATERIAL SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOO, OR OTHER FOREIGN OR OTHER OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
10. FROZEN MATERIALS OR SOFT, MUCKY OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED IN FILLS.
11. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
12. ALL BENCHES SHALL BE KEPT FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.
13. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
14. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY FOLLOWING FINISHED GRADING.
15. STOCKPILES, BORROW AREAS AND SPILL AREAS SHALL BE SHOWN ON THE PLANS AND SHALL BE SUBJECT TO THE PROVISIONS OF THIS STANDARD AND SPECIFICATION.
 - A. LOOSEN SEEDBED BY DISING TO A 4" DEPTH.
 - B. SEED WITH SUMMER - PERENNIAL OR ANNUAL RYEGRASS AT 30 LBS PER ACRE FALL/WINTER - ARISTOOK WINTER RYE AT 100 LBS PER ACRE.
 - C. MULCH WITH 2 TONS PER ACRE OF BLOWN AND CHOPPED HAY.
 - D. WHERE NOTED ON THE PLAN, AND ON SLOPES GREATER THAN OR EQUAL TO 3:1, PROVIDE SOIL STABILIZATION MATTING.
17. AFTER COMPLETION OF SITE CONSTRUCTION, FINE GRADE AND SPREAD TOPSOIL ON ALL LAWN AREAS AND SEED WITH PERMANENT LAWN MIX AS FOLLOWS (SEE LANDSCAPE PLAN FOR OTHER PLANTING INFORMATION):
 - A. LIME TOPSOIL TO PH 6.0.
 - B. FERTILIZE WITH 600 LBS PER ACRE OF 5-10-10.
 - C. SEED REQUIREMENTS - SEE LANDSCAPING PLAN.
 - D. MULCH AS DESCRIBED FOR TEMPORARY SEEDING (NOTE 15C ABOVE).
18. DURING THE PROGRESS OF CONSTRUCTION, AND ESPECIALLY AFTER RAIN EVENTS, MAINTAIN ALL SEDIMENT TRAPS, BARRIERS, AND FILTERS AS NECESSARY TO PREVENT THEIR BEING CLOGGED WITH SEDIMENT; RE-STABILIZE ANY AREAS THAT MAY HAVE ERODED.
19. MAINTAIN ALL SEEDED AND PLANTED AREAS TO INSURE A VIABLE STABILIZED VEGETATIVE COVER.
20. MAINTAIN COPIES OF THE CONSTRUCTION LOGBOOK, STORMWATER POLLUTION PREVENTATION PLAN (SWPPP), NOTICE OF INTENT (NOI), PERMITS, AND SITE PLANS ON-SITE AT ALL TIMES DURING CONSTRUCTION.

- SOIL RESTORATION REQUIREMENTS:**
1. ALL DISTURBED AREAS WHERE ONLY TOPSOIL STRIPPING HAS OCCURRED REQUIRE AERATION OF THE SUBSURFACE BEFORE SPREADING TOPSOIL.
 2. ALL DISTURBED AREAS WHERE CUT AND FILL OPERATIONS OCCURRED REQUIRE FULL SOIL RESTORATION AS SPECIFIED IN NYSDEC MANUAL PUBLICATION ENTITLED "DEEP RIPPING AND DE-COMPACT".

NOTE: DUE TO SENSITIVITY OF DOWNSTREAM WATER SUPPLY, NO TURBID WATER IS ACCEPTABLE TO LEAVE THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFYING THE EROSION CONTROL MEASURES AND METHODS AS NEEDED TO ENSURE NO TURBID WATER LEAVES THE SITE. ALTERNATIVE METHODS INCLUDING BUT NOT LIMITED TO TEMPORARY HAY/MULCH, WATTLES, USE OF RUMBLE TRACK(S), OR FILTER BAGS MAY BE REQUIRED.



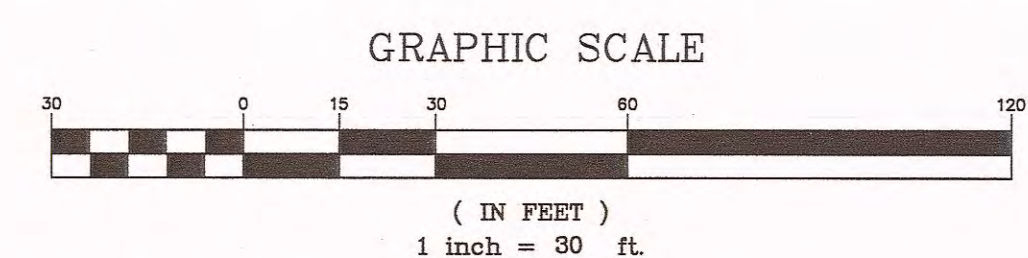
- NYSDEC CONSTRUCTION ENTRANCE NOTES:**
1. MODIFICATIONS MAY BE REQUIRED TO MATCH FIELD CONDITIONS.
 2. A WASH AREA SHALL BE PROVIDED AS SHOWN ON PLAN. ADDITIONAL GRADING MAY BE REQUIRED TO PROVIDE WASHING AREAS.
 3. PERIODIC MAINTENANCE MAY BE REQUIRED AND COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE.
 4. CONTRACTOR SHALL TEST EXISTING LOOP #23 TO DETERMINE IF IT IS FUNCTIONING. NEW LOOP #23 SHALL ONLY BE INSTALLED IF EXISTING LOOP IS NOT FUNCTIONING. IF INSTALLATION OF NEW LOOP IS REQUIRED, THE CONTRACTOR SHALL ALSO TEST THE EXISTING LEAD-INS AND REPLACE IF REQUIRED.

TOWN OF NEWBURGH
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- LEGEND:**
- EXISTING PROPERTY LINE
 - EXISTING MAJOR CONTOUR
 - EXISTING MINOR CONTOUR
 - PROPOSED EDGE OF PAVEMENT
 - PROPOSED CONCRETE CURB
 - PROPOSED SIDEWALK
 - PROPOSED MAJOR CONTOUR
 - PROPOSED MINOR CONTOUR
 - PROPOSED DRAINAGE PIPE
 - PHASED LIMIT OF SOIL DISTURBANCE
 - TOTAL LIMIT OF SOIL DISTURBANCE
 - PROPOSED SILTATION FENCE
 - PROPOSED TEMPORARY SWALE
 - PROPOSED TEMPORARY SWALE
 - PROPOSED CATCH BASIN INLET PROTECTION
 - PROPOSED TEMPORARY SEDIMENT TRAP
 - PROPOSED TEMPORARY CHECKDAM
 - PROPOSED SLOPE STABILIZATION
 - DUPLICATE 1 METER DISTANCE LIMIT



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DATE: DECEMBER 10, 2013
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MARCH 6, 2014
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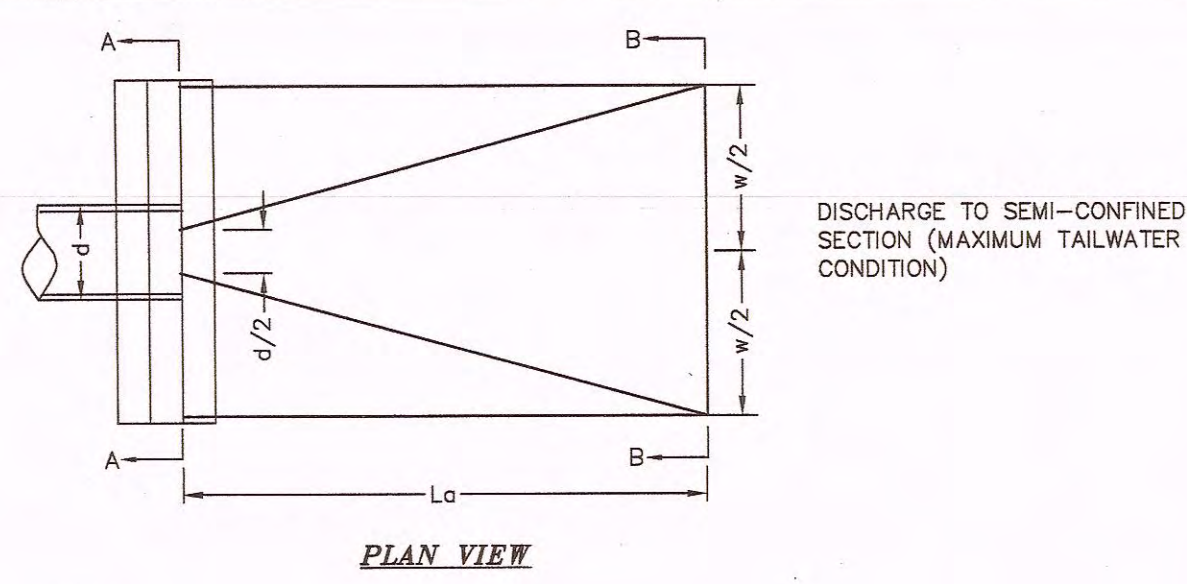
EROSION AND SEDIMENT CONTROL PLAN

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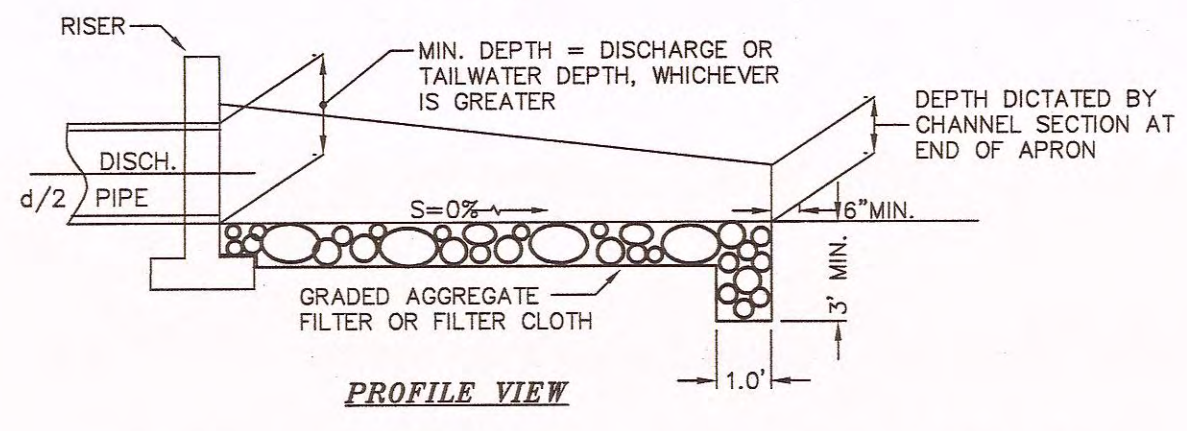
TOWN OF NEWBURGH
ORANGE COUNTY, NEW YORK

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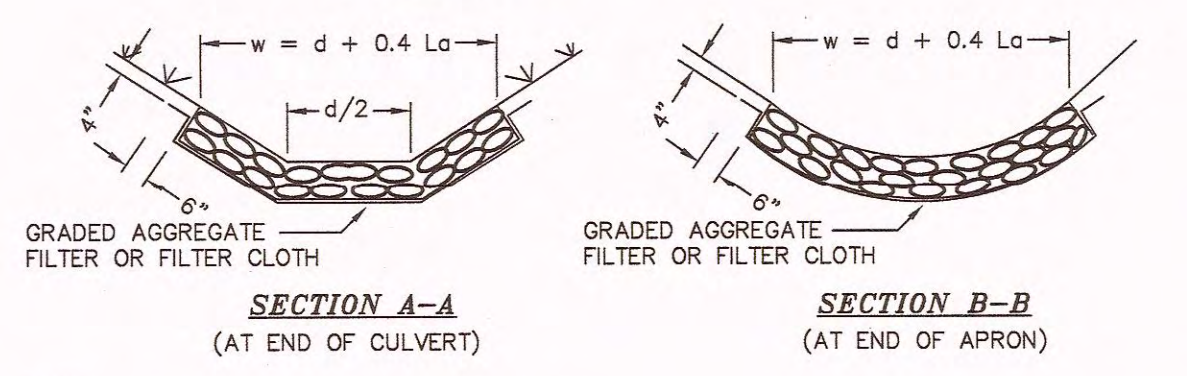
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DISCHARGE TO SEMI-CONFINED SECTION (MAXIMUM TAILWATER CONDITION)



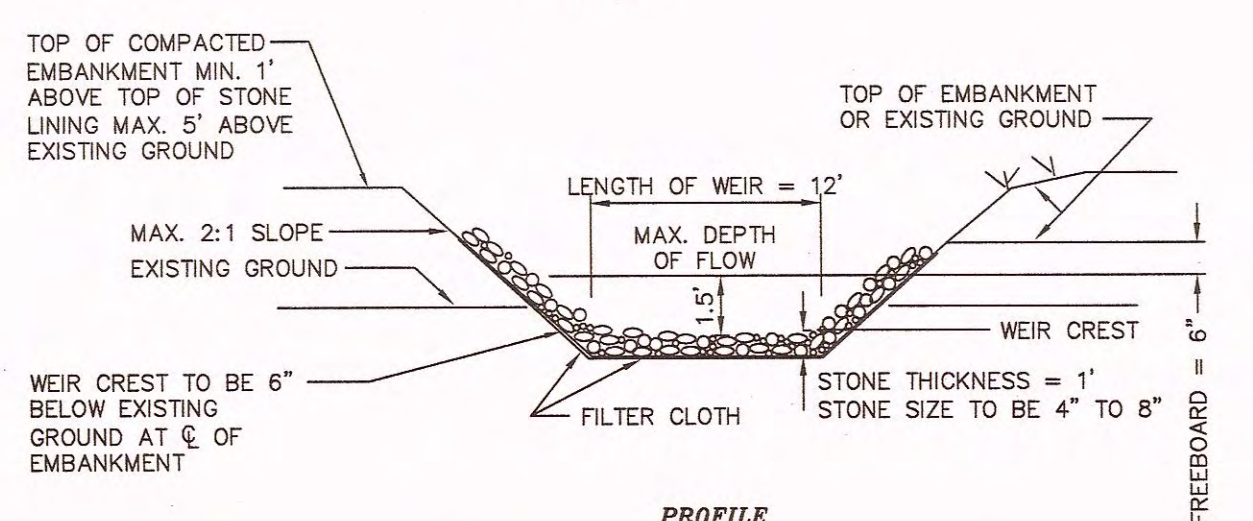
PROFILE VIEW



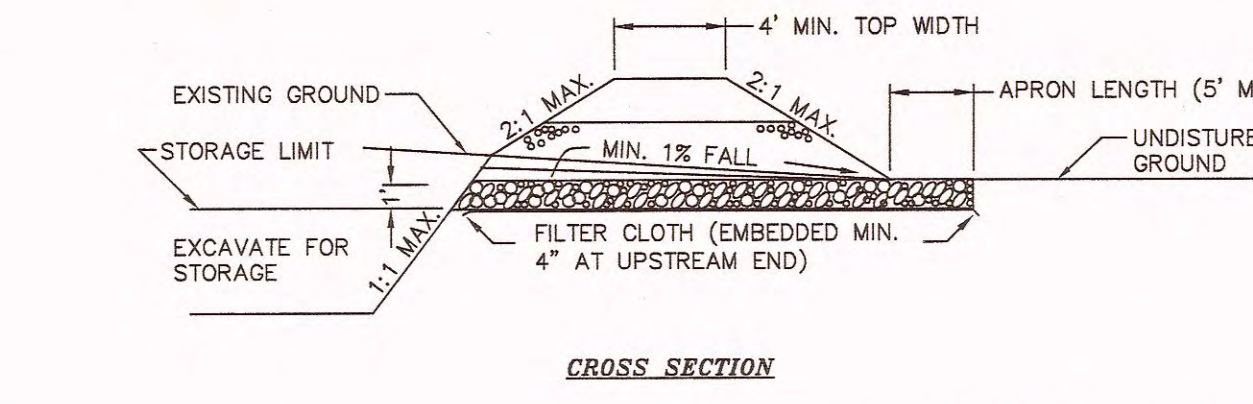
SECTION A-A (AT END OF CULVERT) SECTION B-B (AT END OF APRON)

NOTE: SEE RIP RAP STANDARDS AND SPECIFICATIONS MAXIMUM TAILWATER CONDITIONS

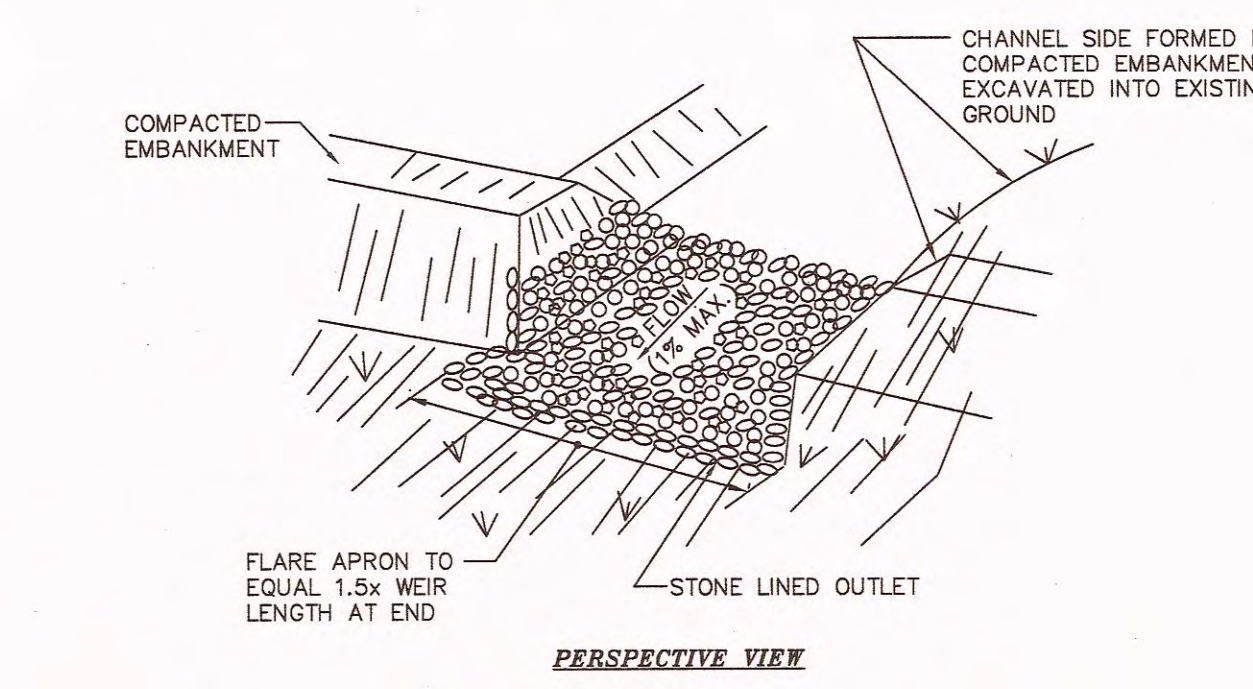
RIP RAP OUTLET PROTECTION
NOT TO SCALE



PROFILE

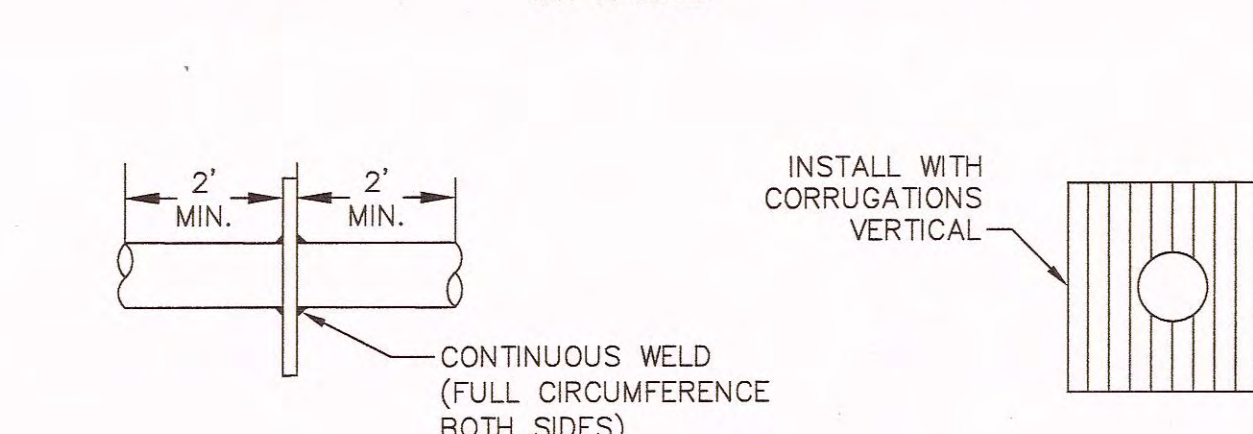


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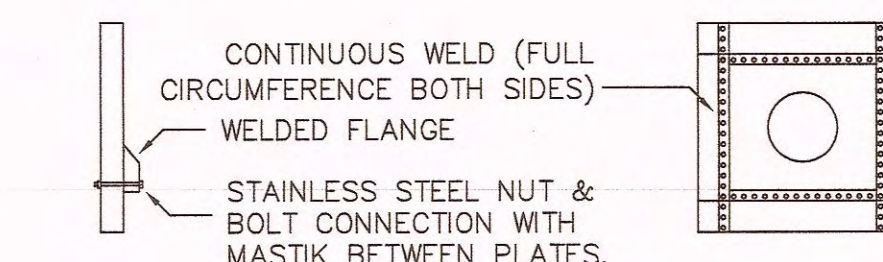
PERSPECTIVE VIEW

RIP-RAP OUTLET SEDIMENT TRAP
NOT TO SCALE

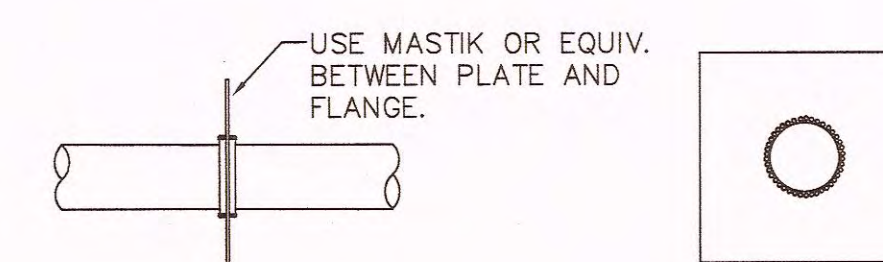


COLLAR WELDED IN PLACE BARREL SECTION

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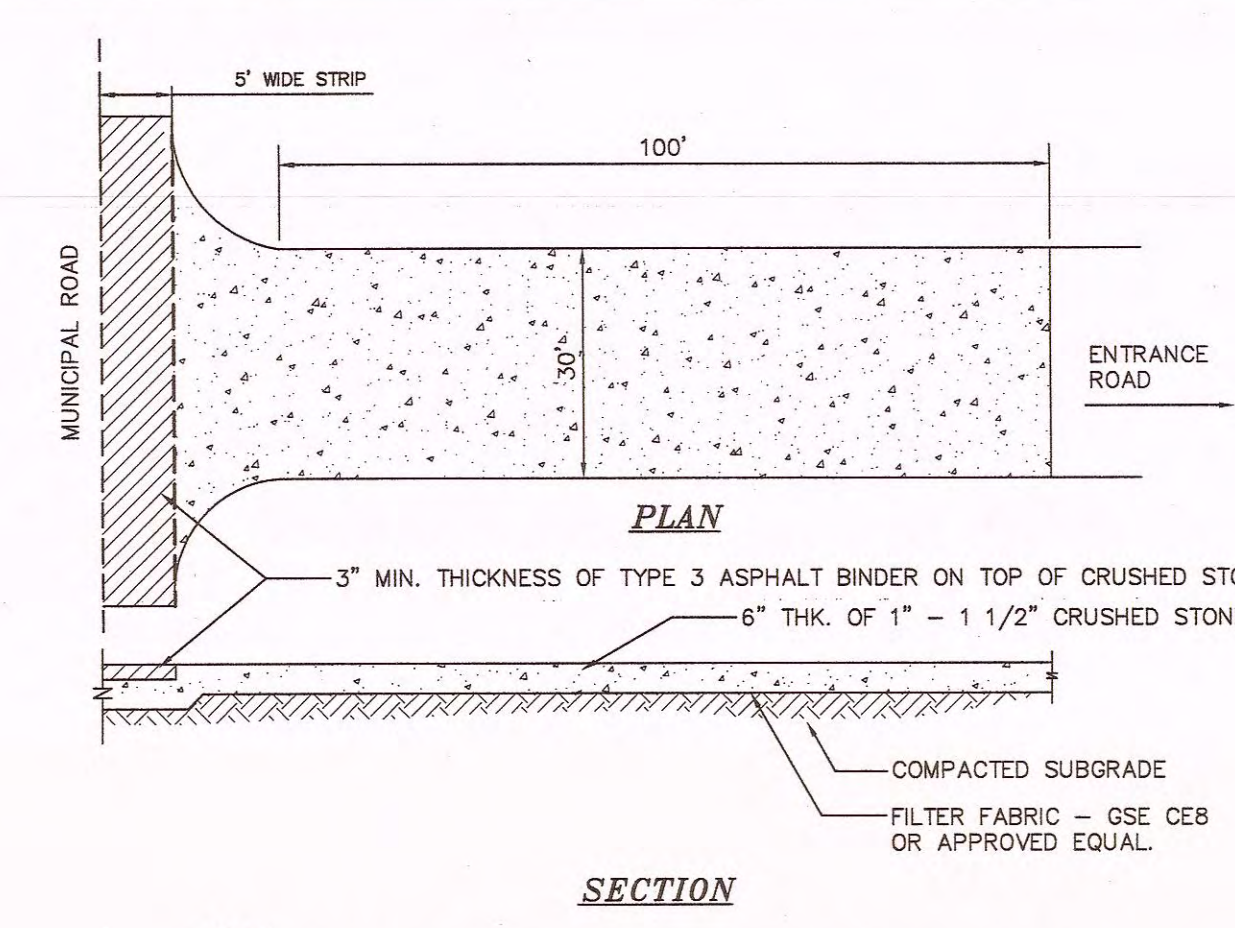


MULTI-PIECE COLLAR FOR LARGE PIPES



COLLAR FOR FLANGE JOINT PIPE

TYPICAL ANTI-SEEP COLLARS
NOT TO SCALE



SECTION

STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

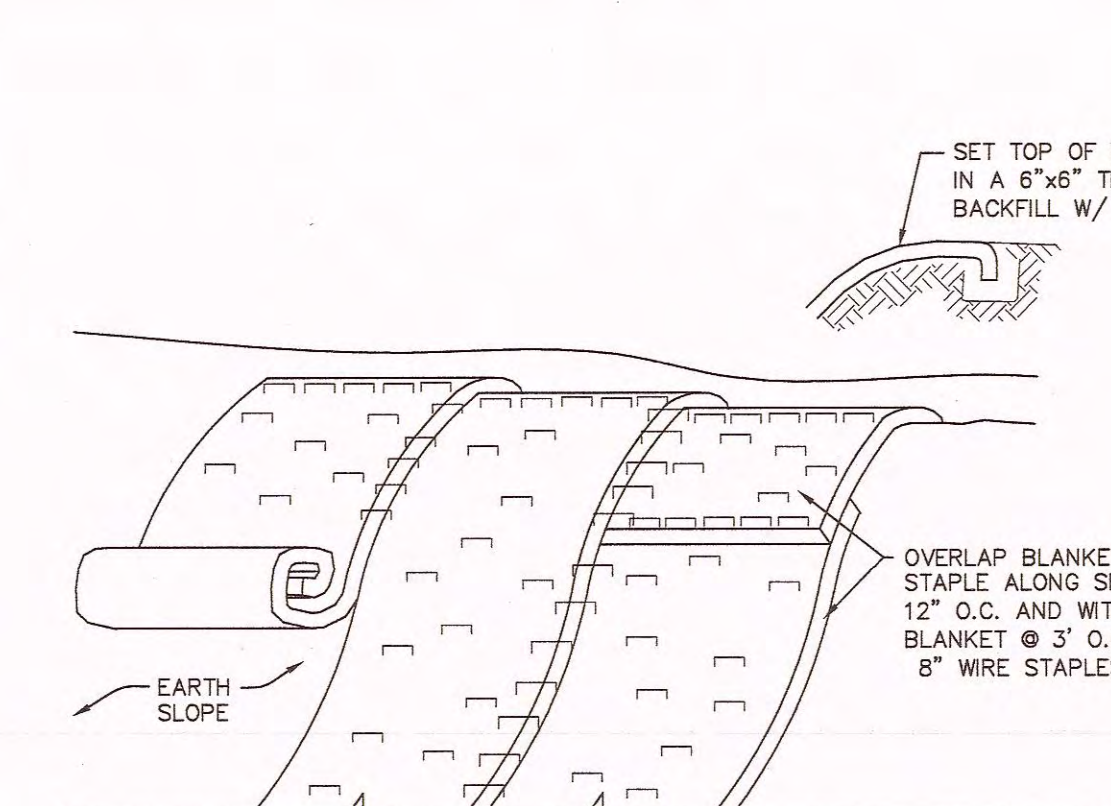
ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS. A CRUSHED STONE, VEHICLE WHEEL-CLEANING BLANKET WILL BE INSTALLED WHENEVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. SAID BLANKET WILL BE COMPOSED OF 6" DEPTH OF 1" - 1 1/2" CRUSHED STONE, WILL BE AT LEAST 30' X 100' AND SHOULD BE PLACED ON COMPACTED SUB-GRADE AND SHALL BE MAINTAINED. ALL DRIVEWAYS MUST BE STABILIZED WITH 1" - 1 1/2" CRUSHED STONE OR SUB-BASE PRIOR TO INDIVIDUAL HOME CONSTRUCTION. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES. ALL CATCH BASIN INLETS WILL BE PROTECTED WITH A CRUSHED STONE OR HAYBALE FILTER (FILTER DETAILS APPEAR ON PLAN). ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE DISCHARGE POINTS BECOME OPERATIONAL. ALL SOIL EROSION AND SEDIMENT CONTROL STRUCTURES MUST BE DETAILED ON THE PLAN. *ALTERNATIVE / ADDITIONAL USE OF RUMBLE TRACK IS PERMISSIBLE IF REQUIRED. MINIMUM 2' WIDE ASPHALT BINDER STRIP ALONG MUNICIPAL ROAD MUST BE MAINTAINED.

CONSTRUCTION SPECIFICATIONS

1. THE AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.
2. THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED. MAXIMUM HEIGHT OF OF EMBANKMENT SHALL BE FIVE (5) FEET, MEASURED AT CENTERLINE OF EMBANKMENT.
3. ALL FILL SLOPES SHALL BE 2:1 OR FLATTER, CUT SLOPES 1:1 OR FLATTER.
4. ELEVATION OF THE TOP OF ANY DIKE DIRECTING WATER INTO TRAP MUST EQUAL OR EXCEED THE HEIGHT OF EMBANKMENT.
5. STORAGE AREA PROVIDED SHALL BE FIGURED BY COMPUTING THE VOLUME AVAILABLE BEHIND THE OUTLET CHANNEL UP TO AN ELEVATION OF ONE (1) FOOT BELOW THE LEVEL WEIR CREST.
6. FILTER CLOTH SHALL BE PLACED OVER THE BOTTOM AND SIDES OF THE OUTLET CHANNEL PRIOR TO PLACEMENT STONE. SECTIONS OF FABRIC MUST OVERLAP AT LEAST ONE (1) FOOT WITH SECTION NEAREST THE ENTRANCE PLACED ON TOP. FABRIC SHALL BE EMBEDDED AT LEAST SIX (6) INCHES INTO EXISTING GROUND AT ENTRANCE OUTLET CHANNEL.
7. STONE USED IN THE OUTLET CHANNEL SHALL BE FOUR (4) TO EIGHT (8) INCH RIPRAP. TO PROVIDE A FILTERING EFFECT. A LAYER OF FILTER CLOTH SHALL BE EMBEDDED ONE (1) FOOT WITH SECTION NEAREST ENTRANCE PLACED ON TOP. FABRIC SHALL BE EMBEDDED AT LEAST SIX (6) INCHES INTO EXISTING GROUND AT ENTRANCE OF OUTLET CHANNEL.
8. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
9. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRED AS NEEDED.
10. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION ARE MINIMIZED.
11. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
12. DRAINAGE AREA FOR THIS PRACTICE IS LIMITED TO 15 ACRES OR LESS.

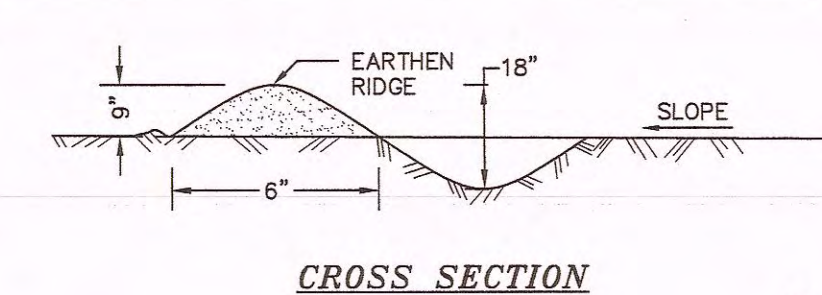
CONSTRUCTION SPECIFICATIONS

SILTATION FENCE
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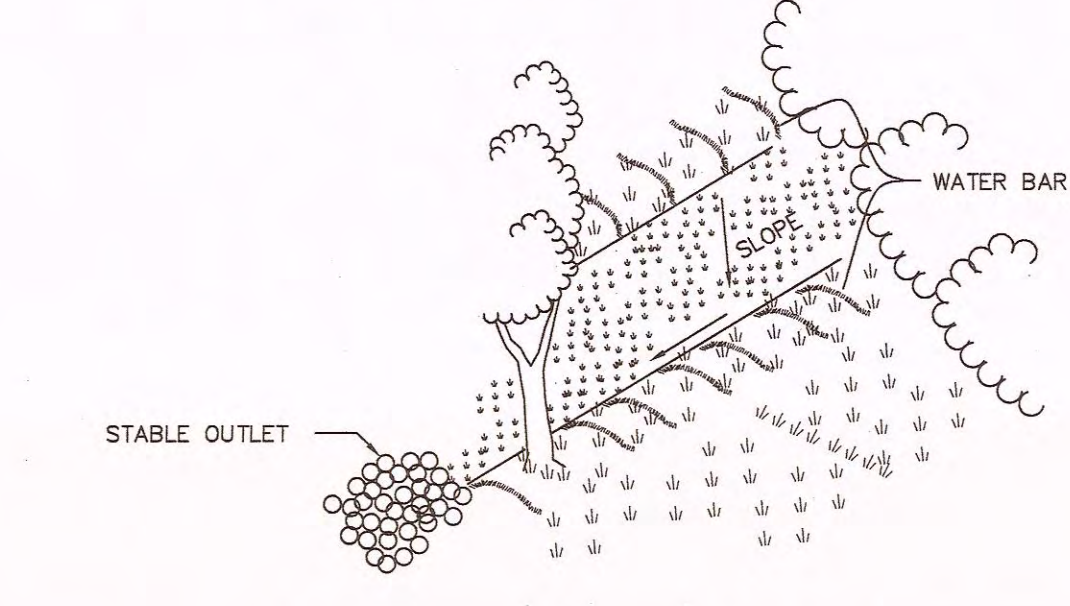


SLOPE STABILIZATION DETAIL

- NOTES:
1. SLOPE STABILIZATION TO BE USED ON ALL CREATED OR DISTURBED SLOPES GREATER THAN 3:36 AND WHERE SPECIFIED ON THE EROSION AND SEDIMENT CONTROL PLAN.
 2. STABILIZE PREPARED EARTHEN SLOPE WITH A BIODEGRADABLE NATURAL FIBER NETTING. APPROVED TYPES AS FOLLOWS: -S150BN - NORTH AMERICAN GREEN 1-800-772-2040 -ESC-28 - EAST COAST EROSION BLANKET 1-800-982-4005 -APPROVED EQUAL
 3. ALL SLOPE RESTORATION MUST INCLUDE 4" TOPSOIL.
 4. PREPARE THE SOIL SURFACE INCLUDING RAKING, SEEDING AND FERTILIZING PRIOR TO INSTALLING EROSION CONTROL NETTING.
 5. AFTER NETTING IS INSTALLED, PLANT ANY PROPOSED LANDSCAPING/GROUND COVER THROUGH SLITS CUT IN FABRIC.



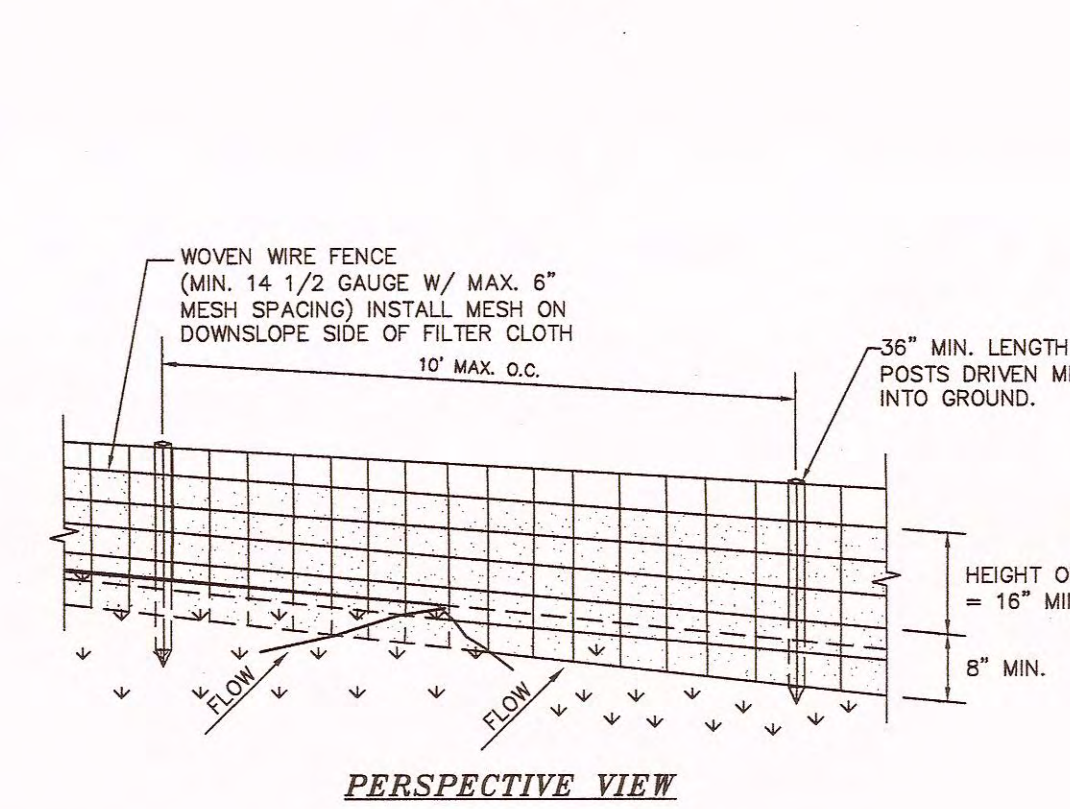
CROSS SECTION



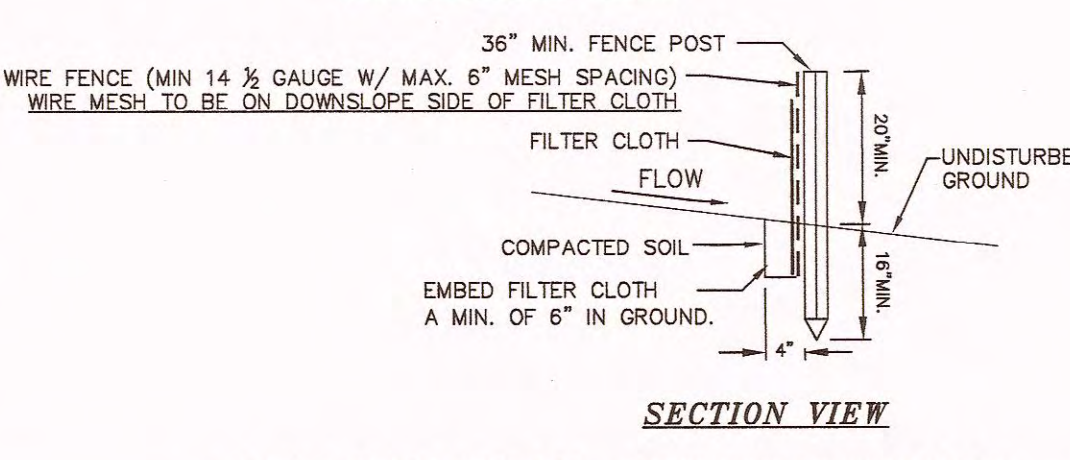
CONSTRUCTION SPECIFICATIONS

1. INSTALL THE WATER BAR AS SOON AS THE RIGHT OF WAY IS CLEARED AND GRADED.
2. DISK OR STRIP THE SOIL FROM THE BASE FOR THE CONSTRUCTED RIDGE BEFORE PLACING FILL.
3. TRACK THE RIDGE TO COMPACT IT TO THE DESIGN CROSS SECTION.
4. THE OUTLET SHALL BE LOCATED ON AN UNDISTURBED AREA. FIELD SPAING WILL BE ADJUSTED TO USE THE MOST STABLE OUTLET AREAS. OUTLET PROTECTION WILL BE PROVIDED WHEN NATURAL AREAS ARE NOT AVAILABLE.
5. VEHICLE CROSSING SHALL BE STABILIZED WITH GRAVEL. EXPOSED AREAS SHALL BE IMMEDIATELY SEEDING AND MULCHED.
6. PERIODICALLY INSPECT WATER BARS FOR EROSION DAMAGE AND SEDIMENT. CHECK OUTLET AREAS AND MAKE REPAIRS AS NEEDED TO RESTORE OPERATION.

WATER BARS DETAIL
NOT TO SCALE



PERSPECTIVE VIEW

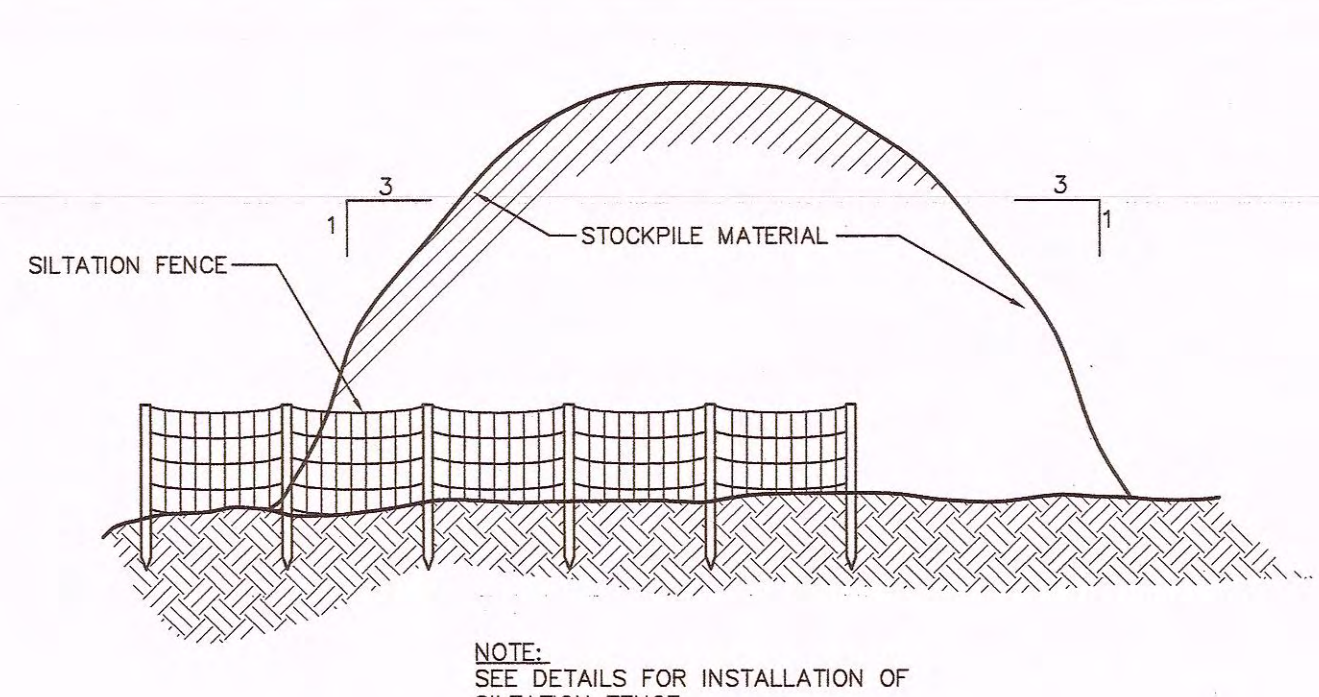


SECTION VIEW

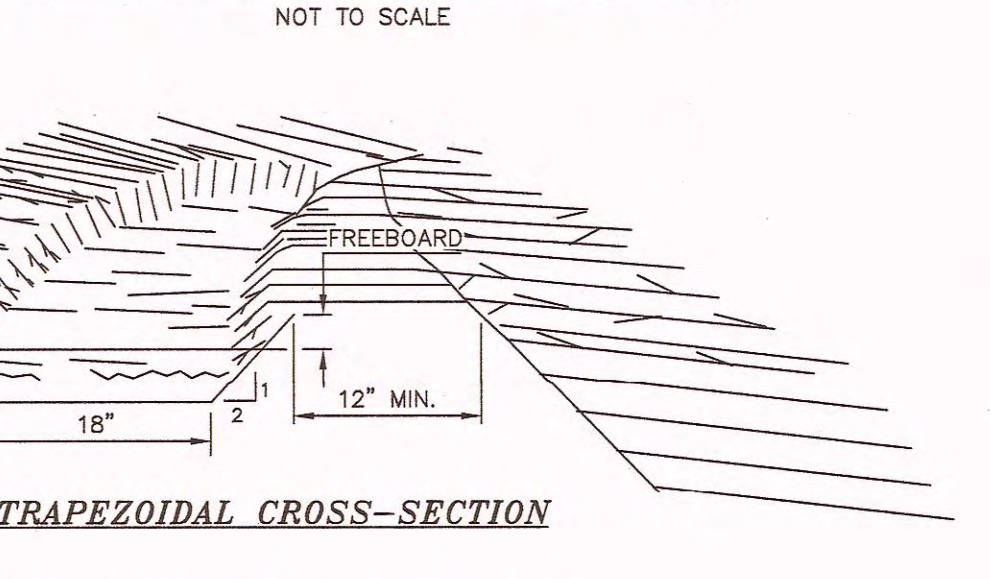
CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T14DN, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOPAF, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

CONSTRUCTION SPECIFICATIONS



TYPICAL STOCKPILE DETAIL
NOT TO SCALE

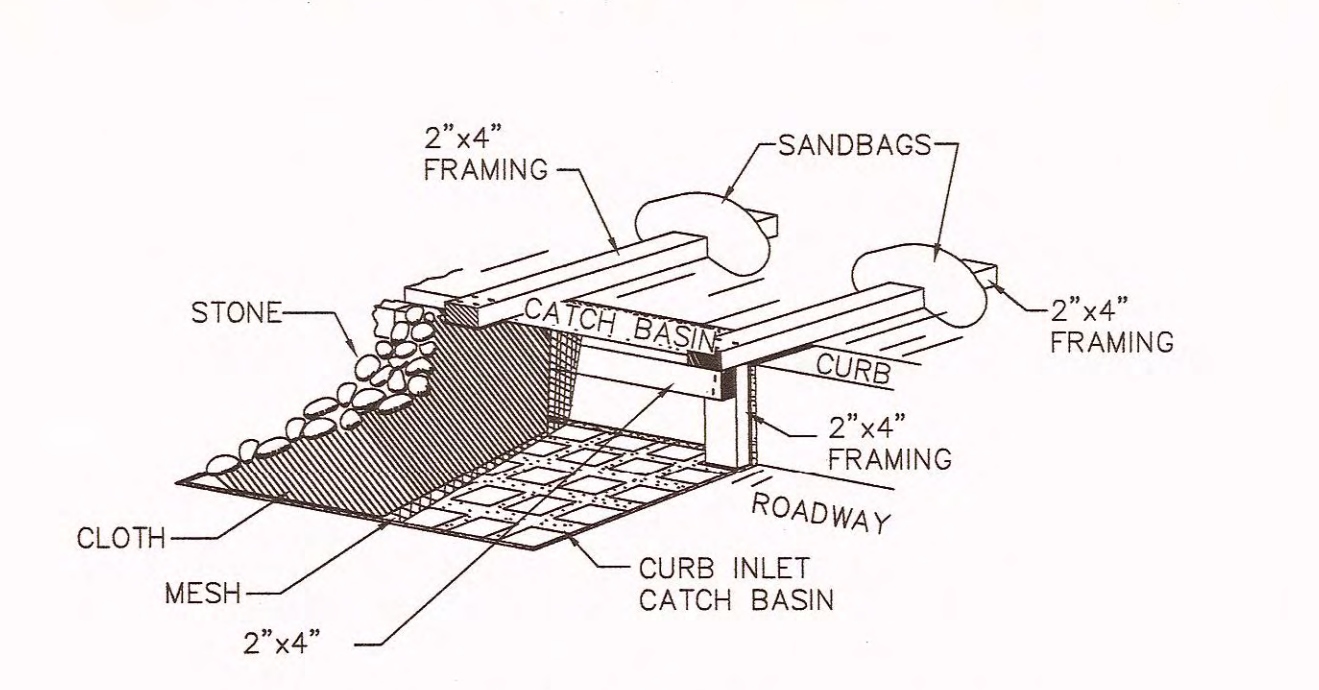


TRAPEZOIDAL CROSS-SECTION

CONSTRUCTION SPECIFICATIONS

1. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE DIVERSION.
2. THE DIVERSION SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN, AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
3. FILLS SHALL BE COMPACTED AS NEEDED TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETE DIVERSION.
4. ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE STOCKPILED FOR RESTORATION OF THE AREA SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE DIVERSION.
5. STABILIZATION SHALL BE DONE ACCORDING TO THE APPROPRIATE STANDARD AND SPECIFICATIONS FOR VEGETATIVE PRACTICES.

TEMPORARY DIVERSION SWALE
NOT TO SCALE

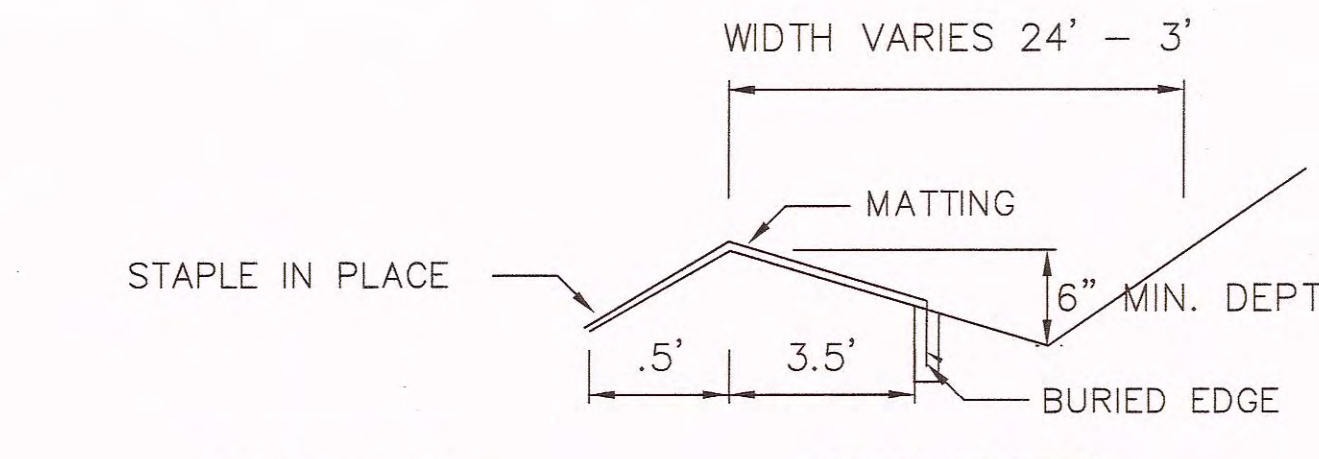


CONSTRUCTION SPECIFICATIONS

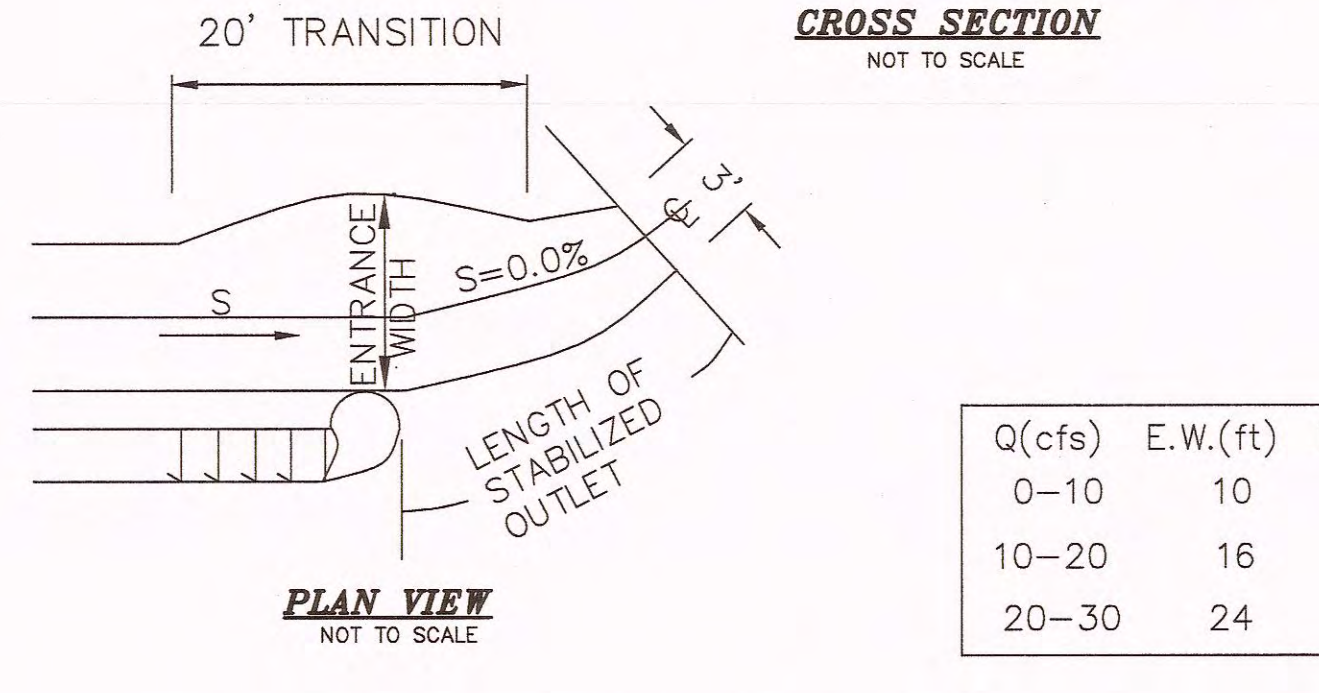
1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85.
2. WOODEN FRAME SHALL BE CONSTRUCTED OF 2"x4" CONSTRUCTION GRADE LUMBER.
3. THE ASSEMBLY SHALL BE PLACED AGAINST THE INLET AND SECURED BY 2"x4" ANCHORS 2 FEET LONG EXTENDING ACROSS THE TOP OF THE CURB AND SIDEWALK AND HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHTS.

CONSTRUCTION SPECIFICATIONS

STORM DRAIN INLET FILTER DETAIL FOR CURB INLETS
NOT TO SCALE



CROSS SECTION



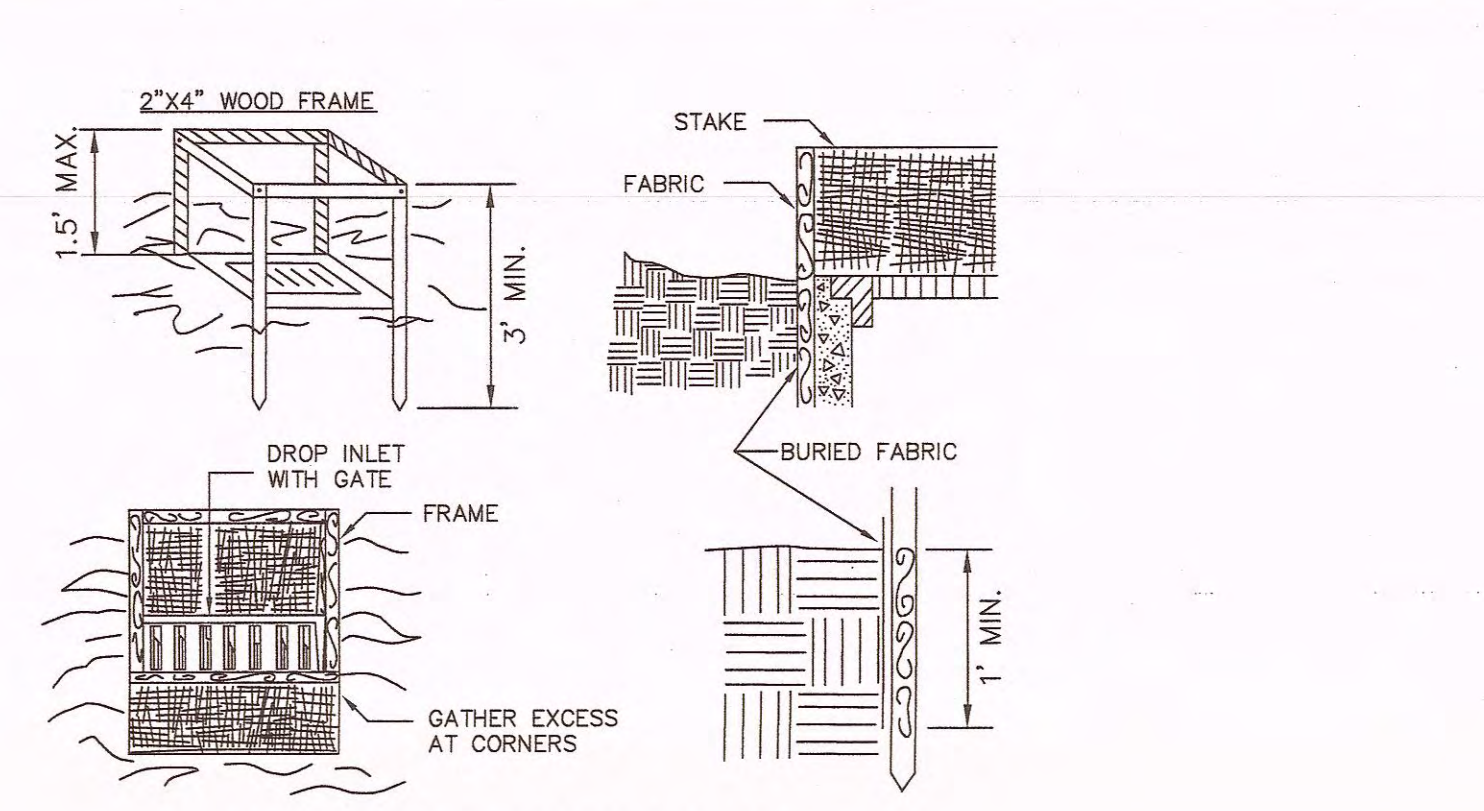
PLAN VIEW

| Q(cfs) | E.W.(ft) | D(ft) | LENGTH(ft) |
|--------|----------|-------|------------|
| 0-10 | 10 | 0.5 | 10 |
| 10-20 | 16 | 0.6 | 20 |
| 20-30 | 24 | 0.7 | 30 |

CONSTRUCTION SPECIFICATIONS

1. THE MATTING SHOULD BE A MINIMUM OF 4FT. WIDE EXTENDING 8 INCHES OVER THE LIP AND BURIED 8 INCHES DEEP IN A VERTICAL TRENCH ON THE LOWER EDGE. THE UPPER EDGE SHOULD BUTT AGAINST SMOOTHLY CUT SOIL AND BE SECURELY HELD IN PLACE WITH CLOSELY SPACED HEAVY DUTY WIRE STAPLES AT LEAST 12 INCHES IN LENGTH.
2. ENSURE THAT THE LIP IS LEVEL TO UNIFORMLY SPREAD DISCHARGE.
3. THE LIP SHALL BE CONSTRUCTED ON UNDISTURBED SOIL NOT FILL.
4. A 20 FOOT TRANSITION SECTION WILL BE CONSTRUCTED FROM THE DIVERSION CHANNEL TO THE SPREADER TO SMOOTHLY BLEND THE DIFFERENT DIMENSION AND GRADES.
5. THE RUNOFF DISCHARGE WILL BE OUTLETED ONTO A STABILIZED VEGETATED SLOPE NOT EXCEEDING 10%.
6. SEED AND MULCH THE DISTURBED AREA IMMEDIATELY AFTER CONSTRUCTION.

LEVEL SPREADER DETAIL
NOT TO SCALE

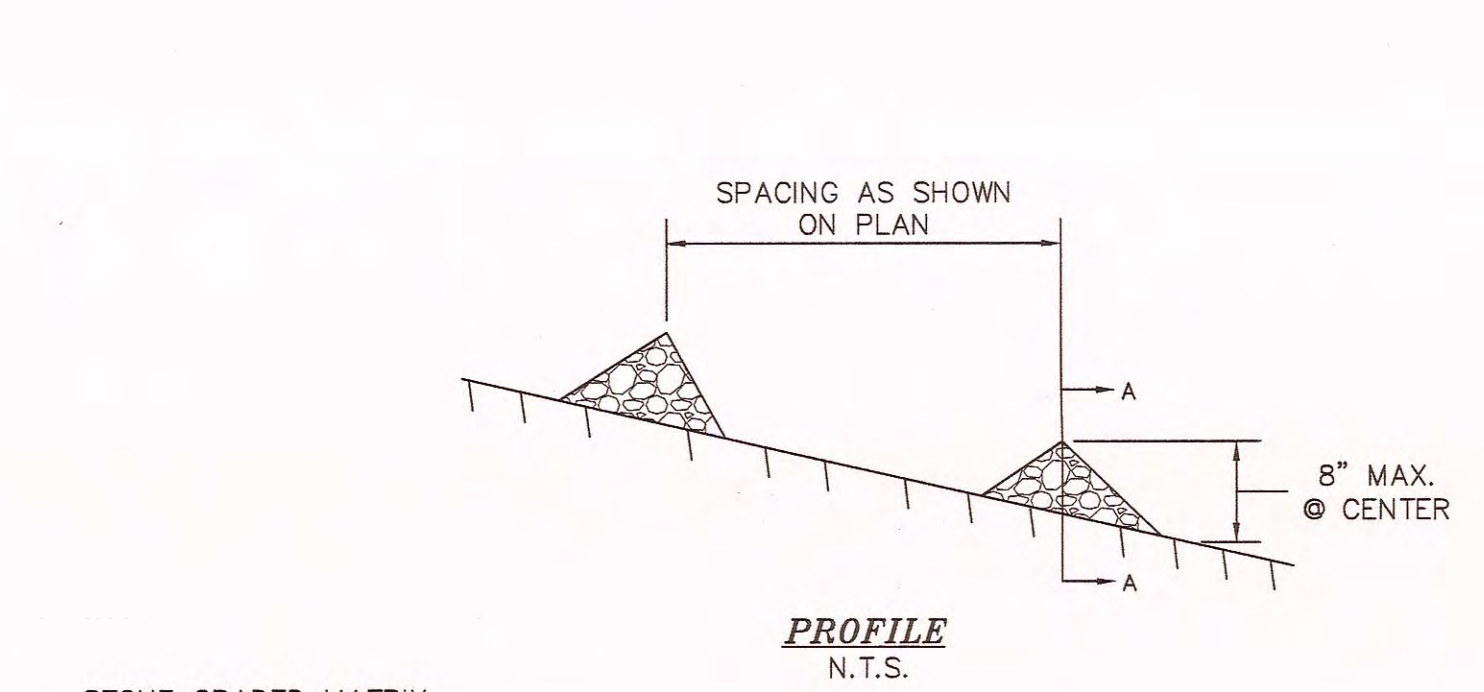


CONSTRUCTION SPECIFICATIONS

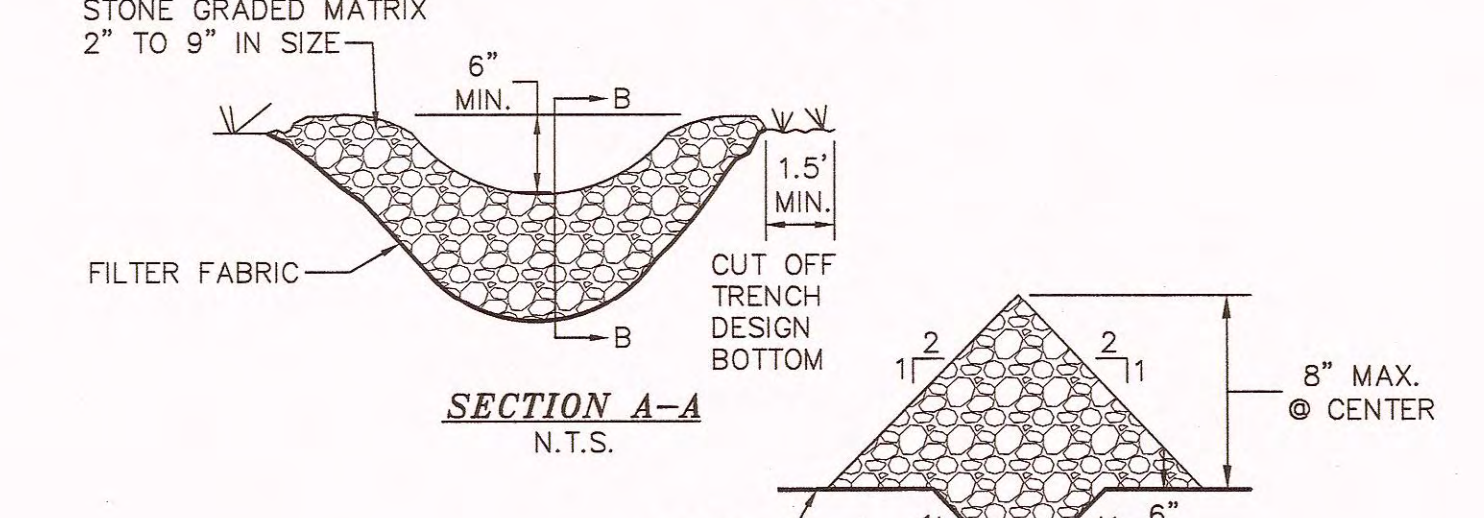
1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2"x4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2"x4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

CONSTRUCTION SPECIFICATIONS

FILTER FABRIC DROP INLET PROTECTION
NOT TO SCALE



PROFILE



SECTION A-A



SECTION B-B

CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85.
2. WOODEN FRAME SHALL BE CONSTRUCTED OF 2"x4" CONSTRUCTION GRADE LUMBER.
3. THE ASSEMBLY SHALL BE PLACED AGAINST THE INLET AND SECURED BY 2"x4" ANCHORS 2 FEET LONG EXTENDING ACROSS THE TOP OF THE CURB AND SIDEWALK AND HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHTS.

CONSTRUCTION SPECIFICATIONS

CHECK DAM DETAIL
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FOR CONSTRUCTION SPECIFICATIONS REFER TO "NY GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL"

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P.O. Box 887, Rt. 207
Goshen, N.Y. 10924
(845) 294-3700

EROSION AND SEDIMENT CONTROL
DETAILS

DATE: DECEMBER 10, 2013
REVISIONS:
DECEMBER 13, 2013
MARCH 5, 2014
MARCH 26, 2014

CRH REALTY VIII, LLC

TOWN OF NEWBURGH
ORANGE COUNTY, NEW YORK

CITY: NEWBURGH
PROJECT: 120100-detailed.dwg
LAYOUT: erosion details
SHEET NO.: 7 OF 10
DRAWING NO.: CSD
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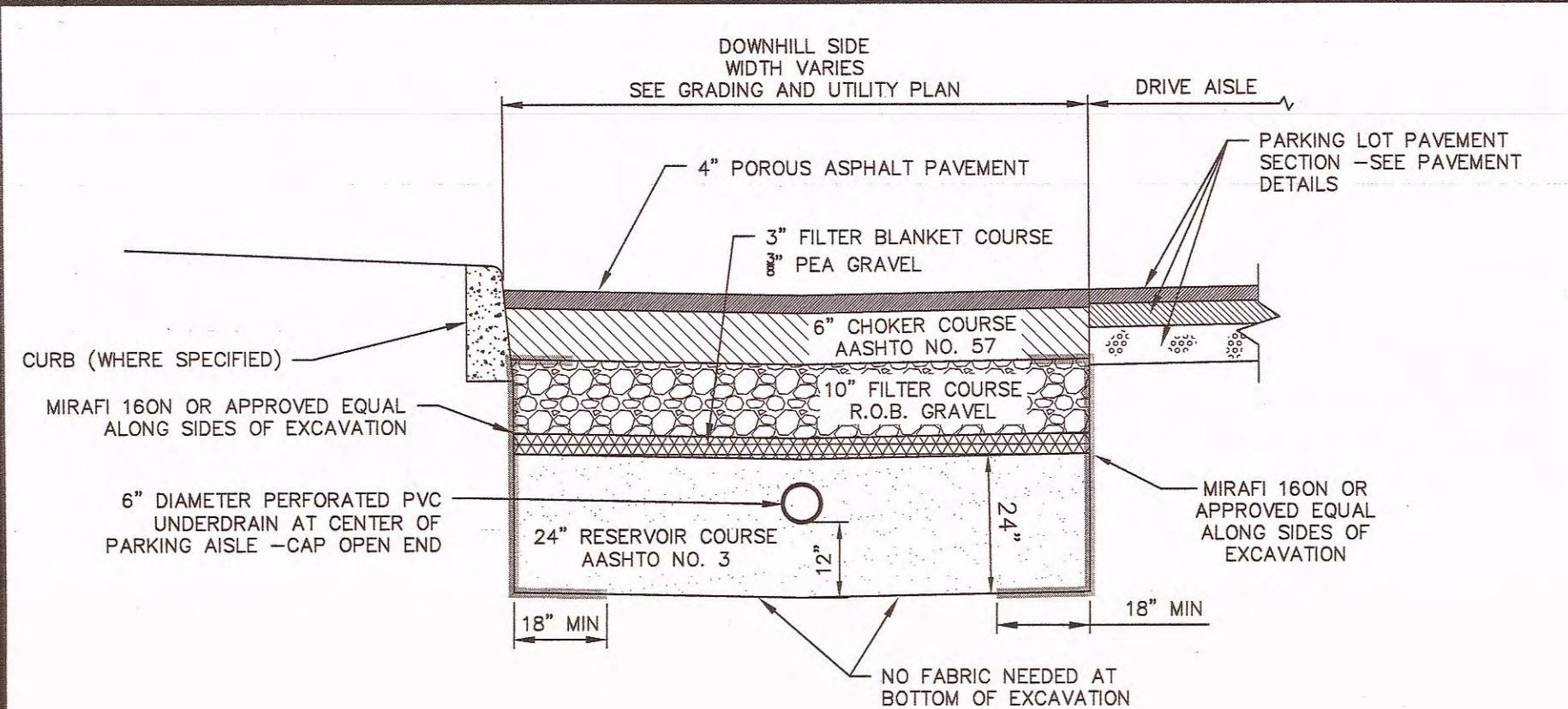
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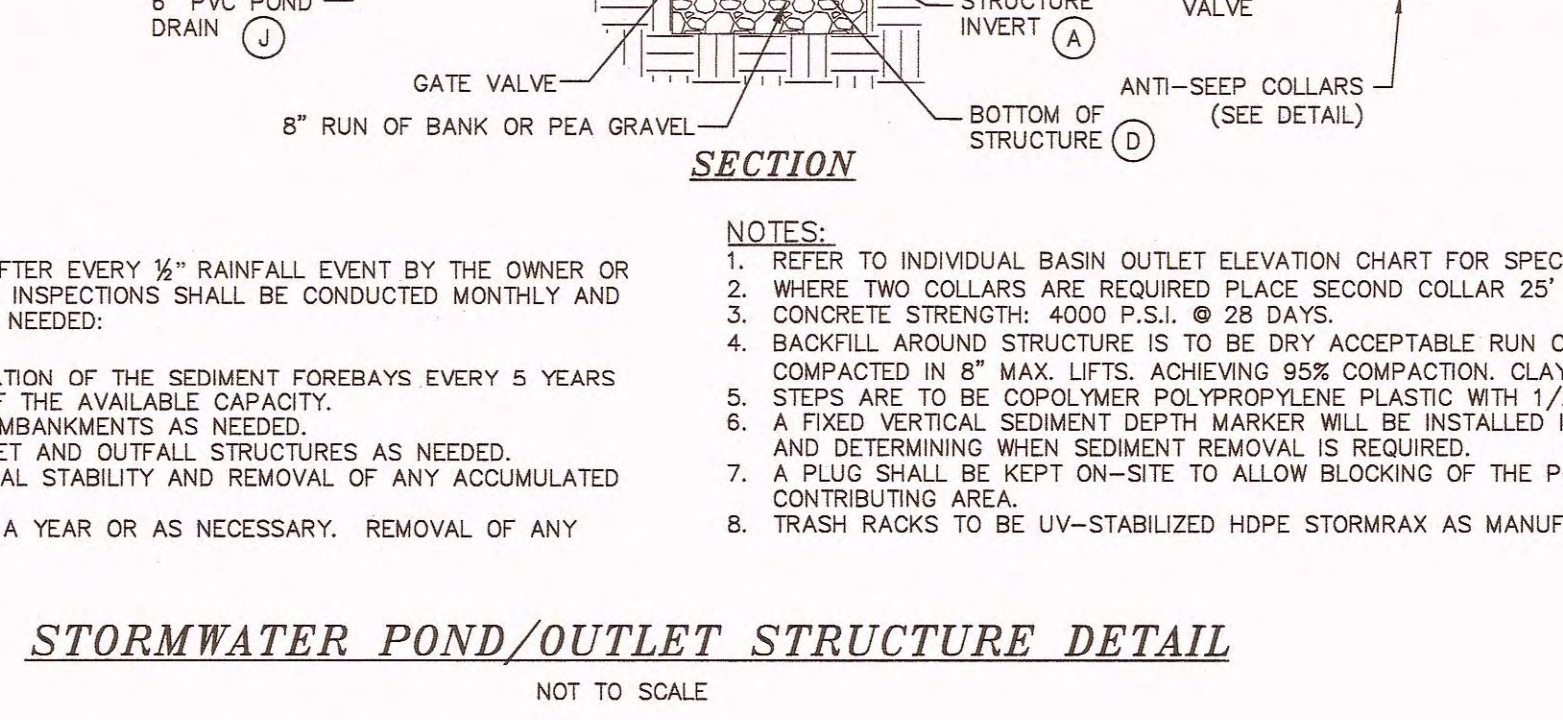
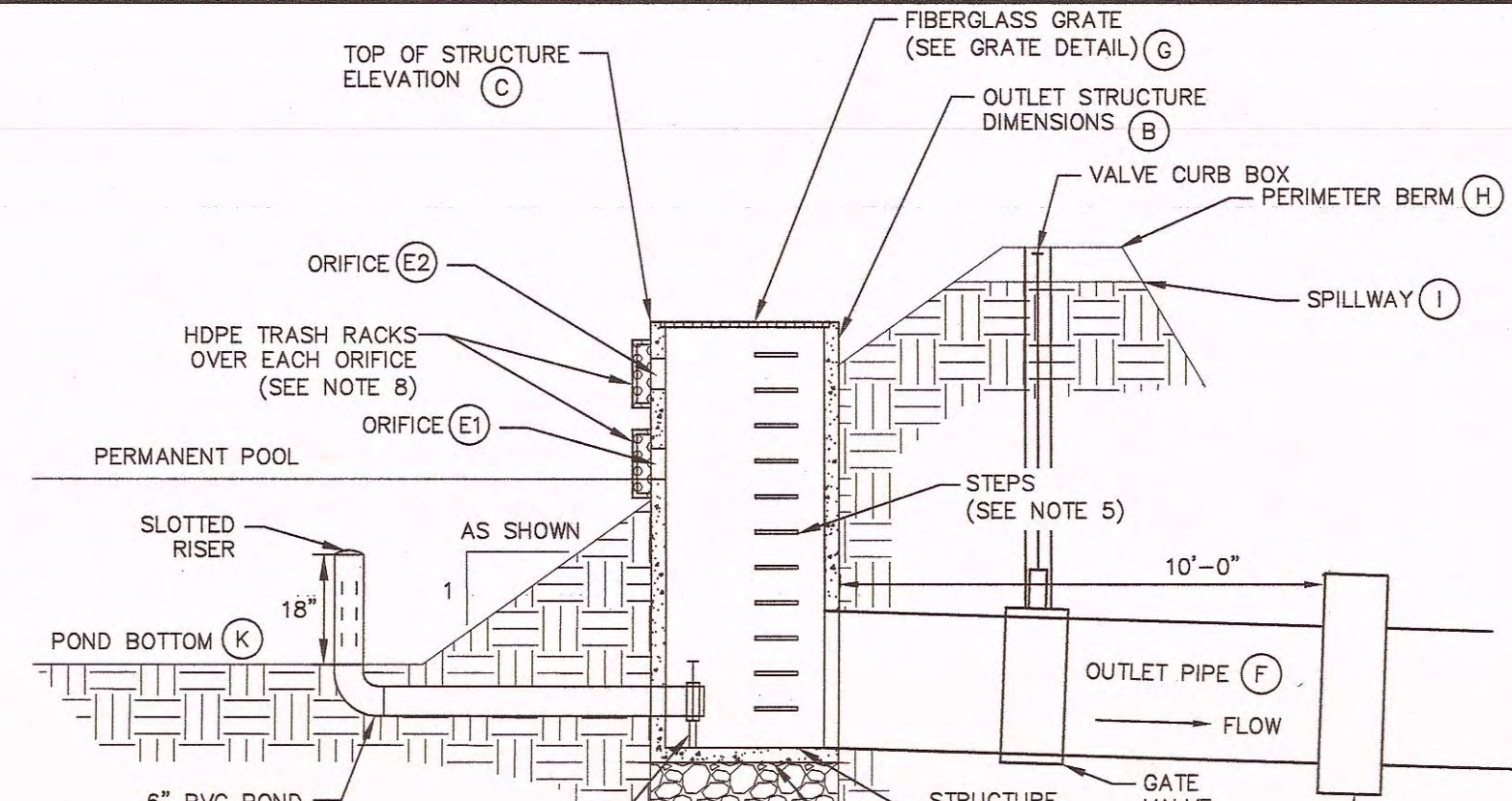
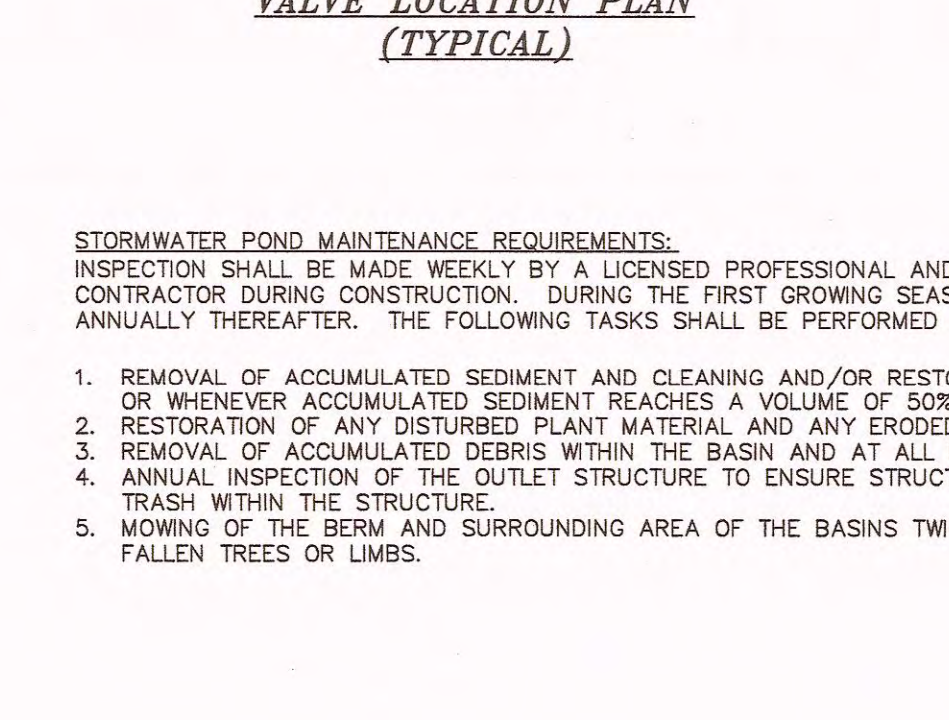
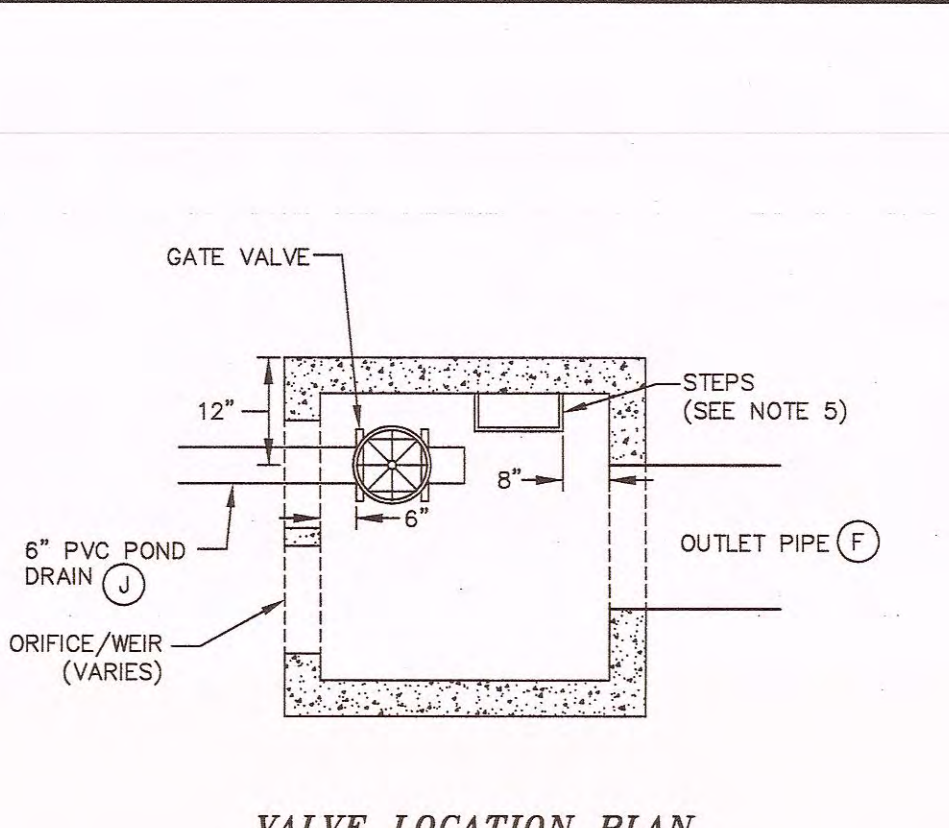
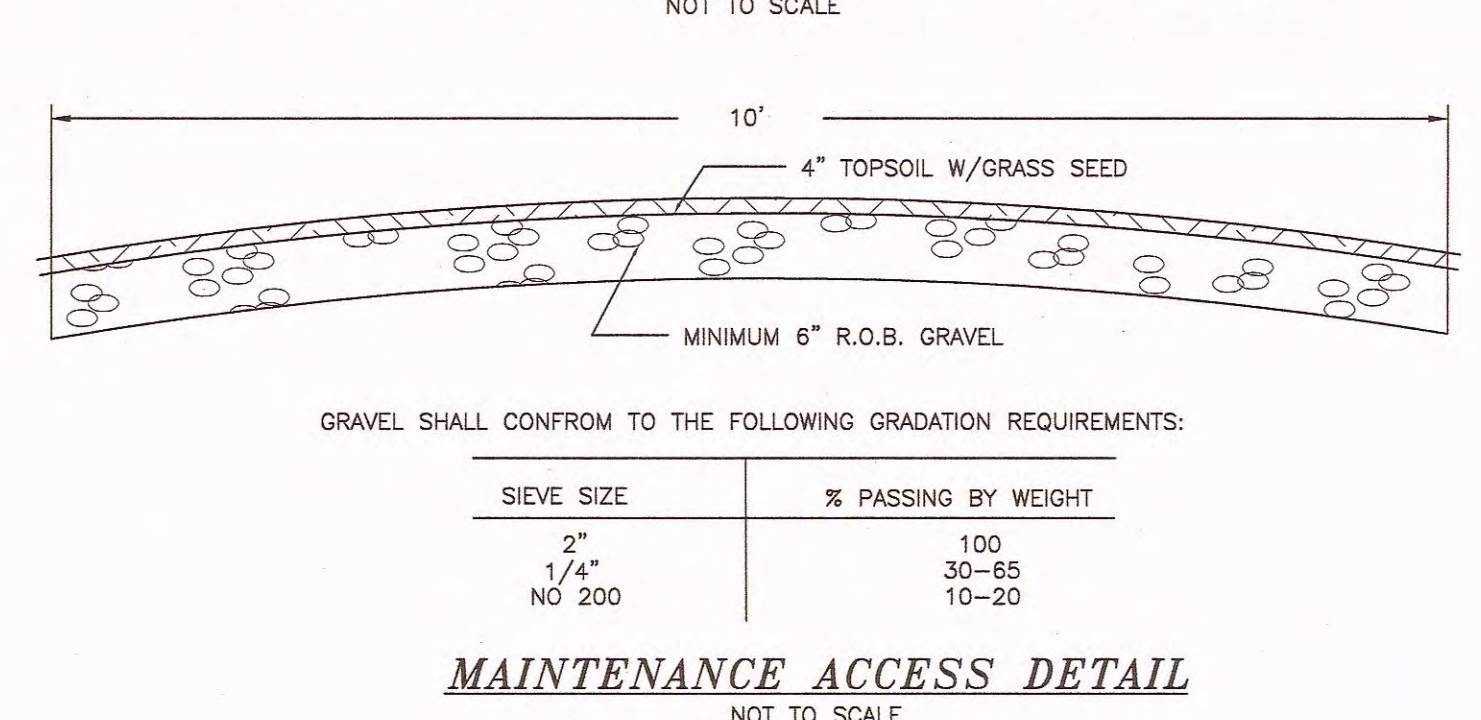
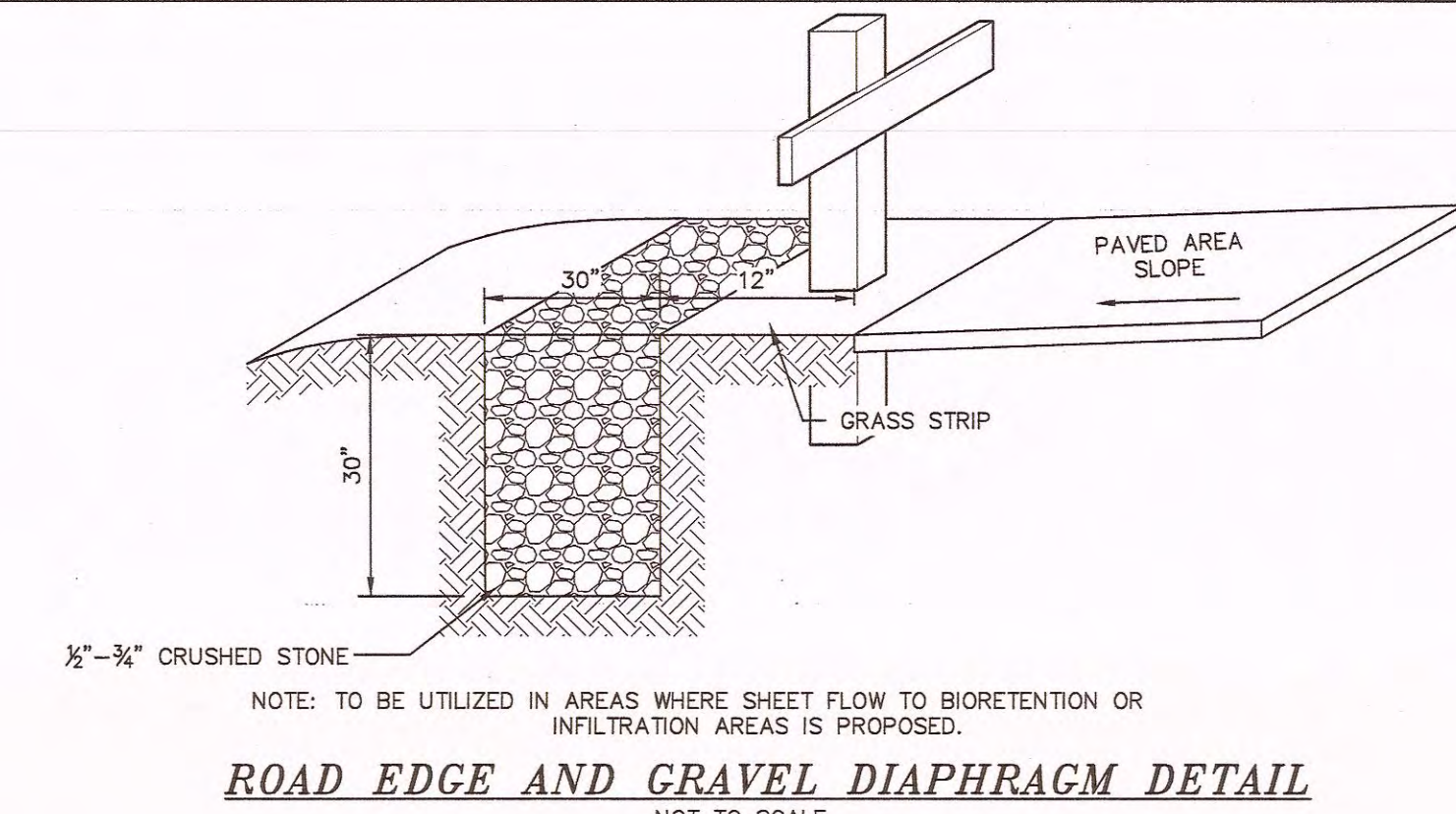
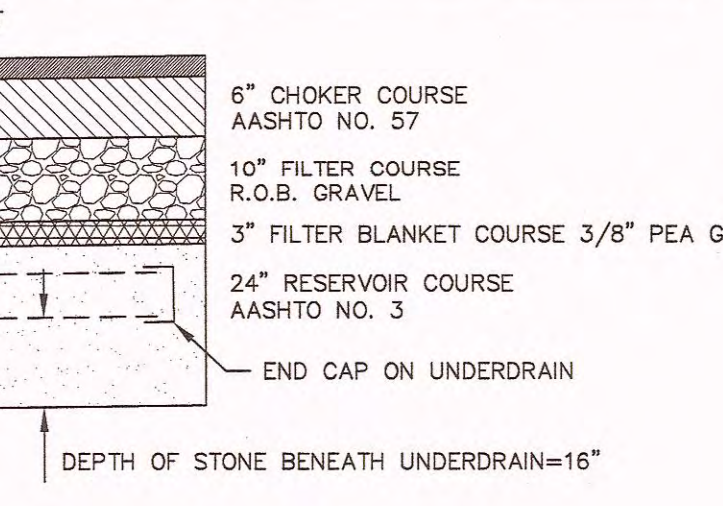
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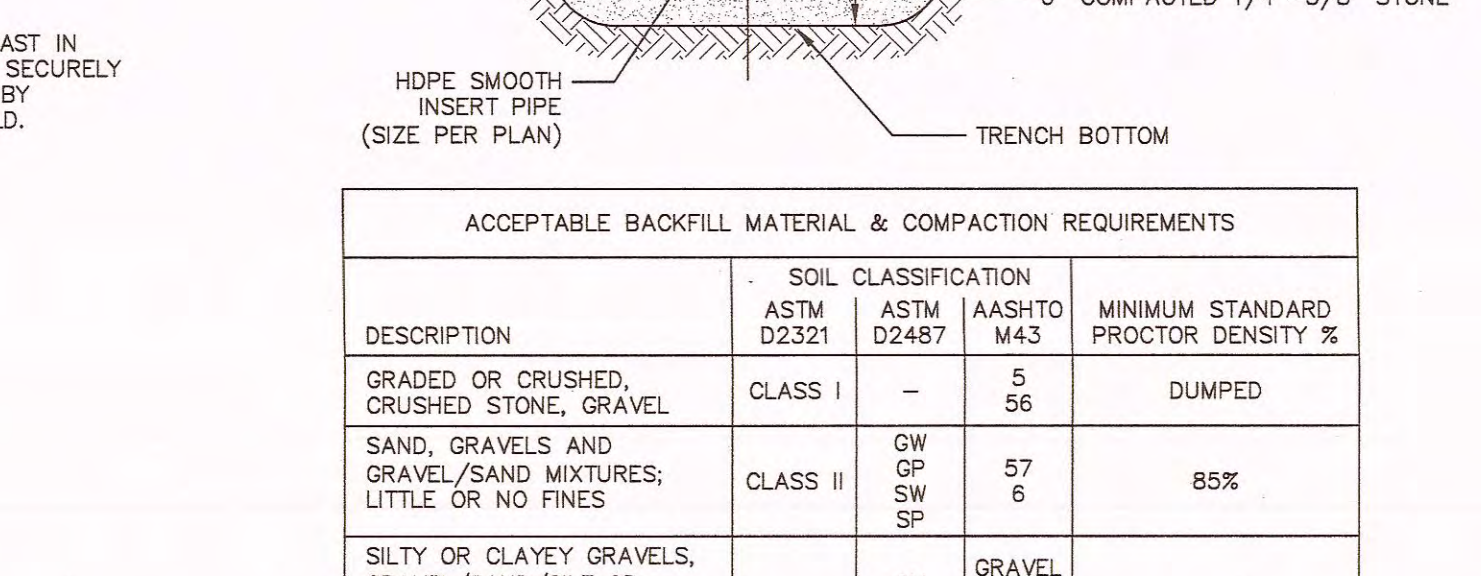
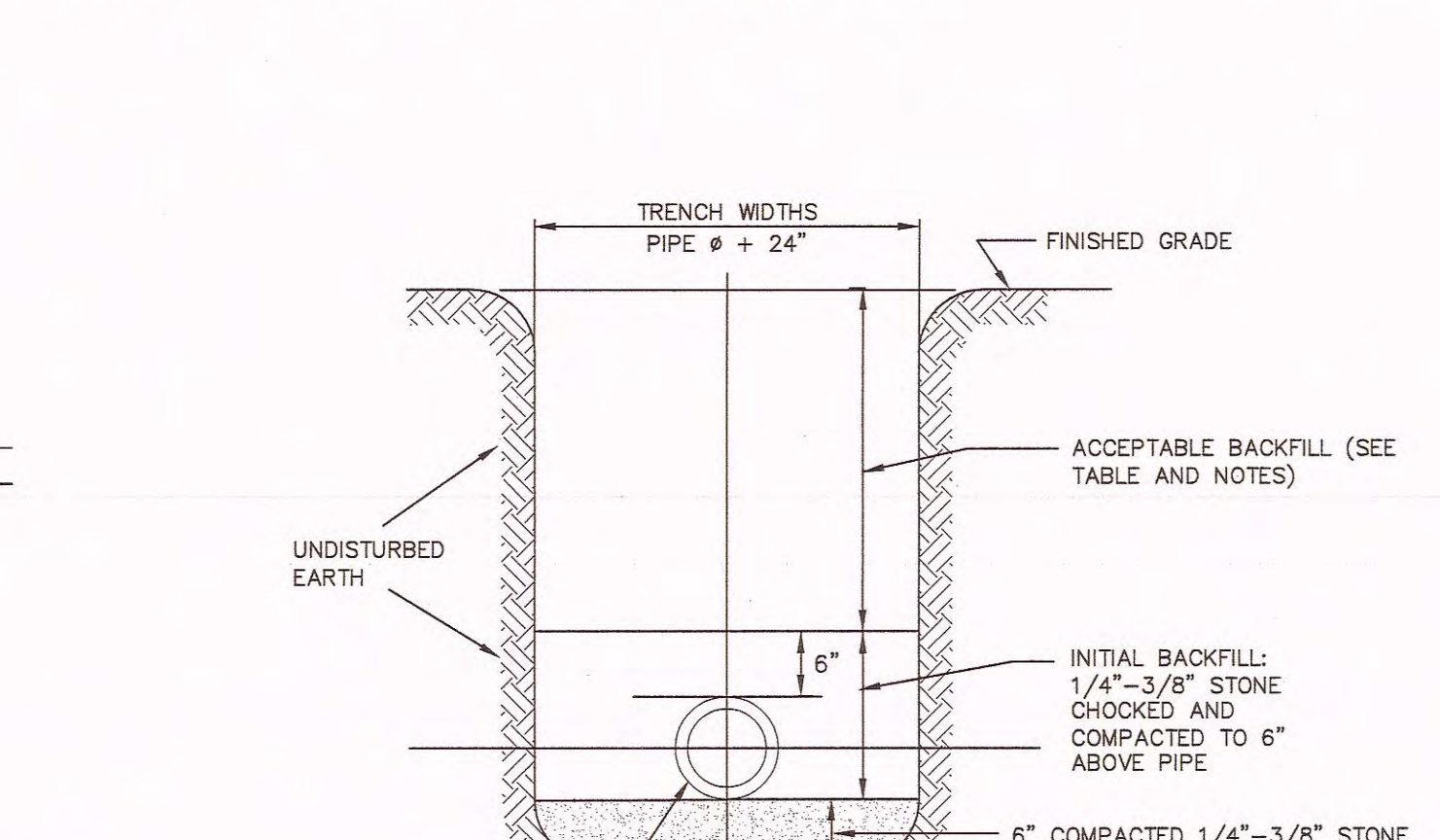
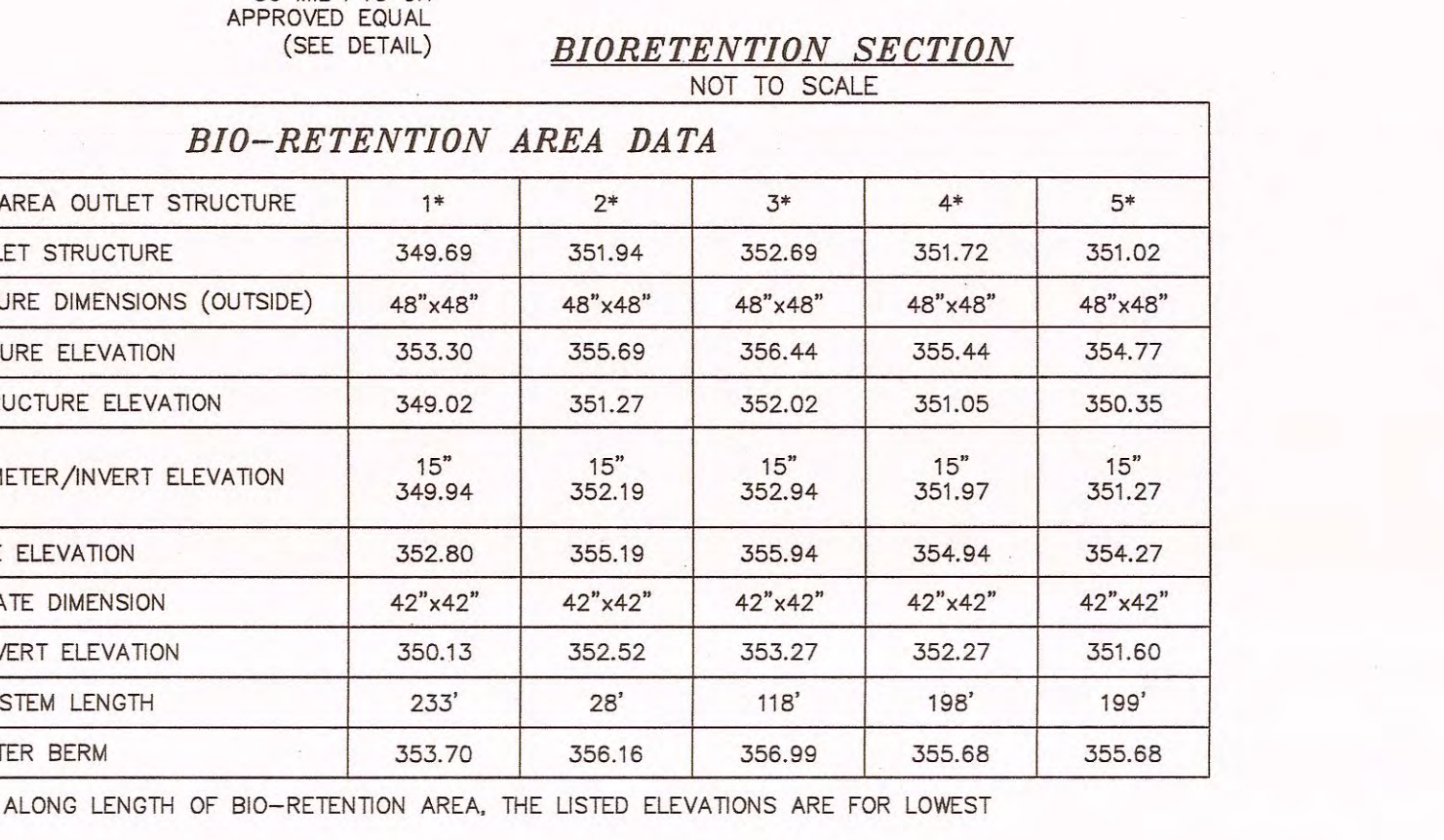
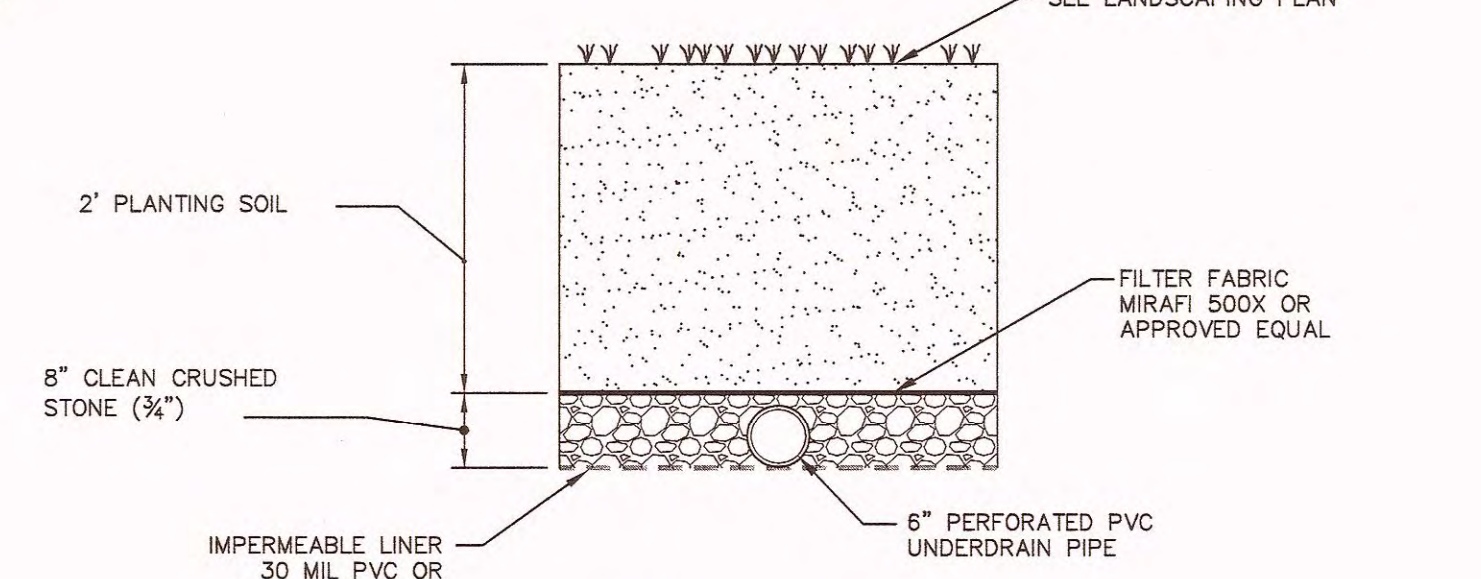
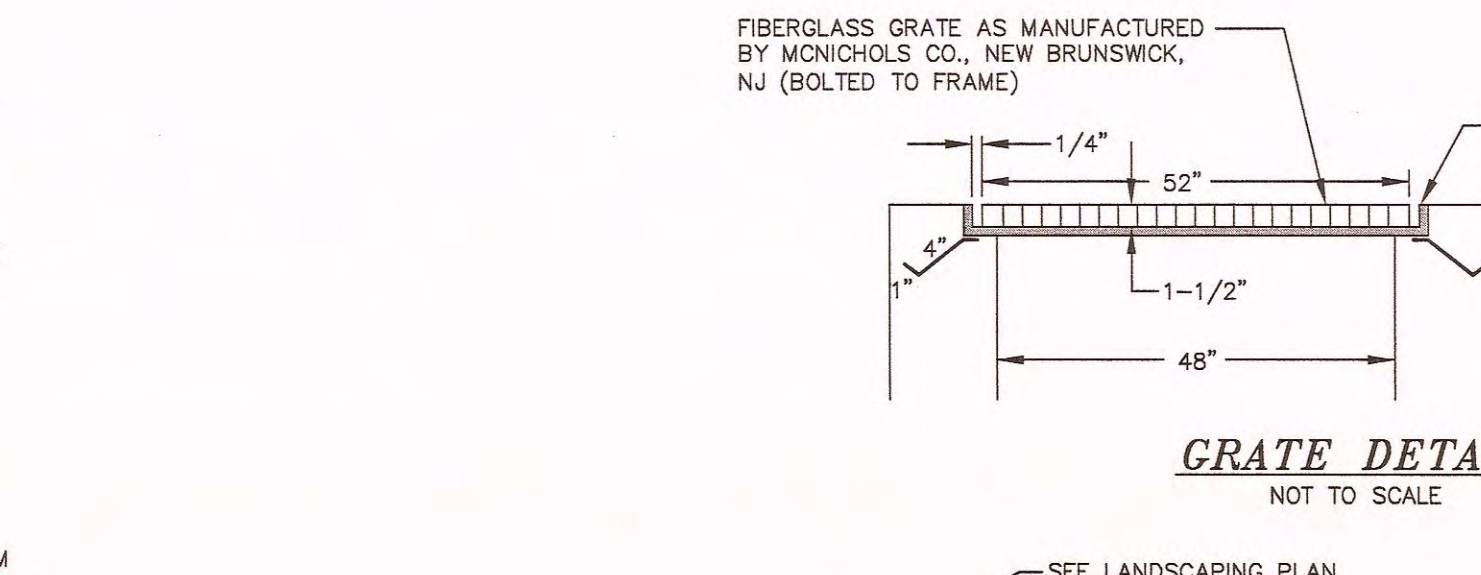
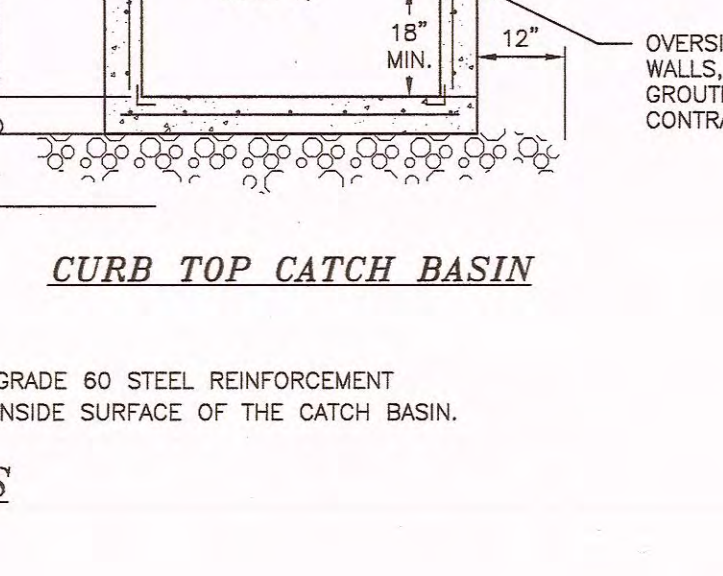
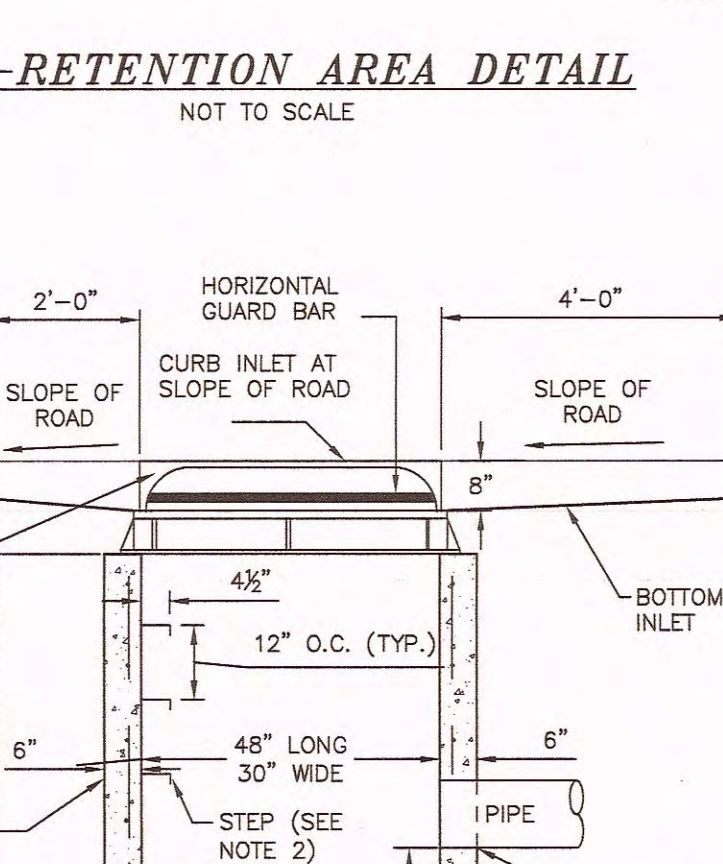
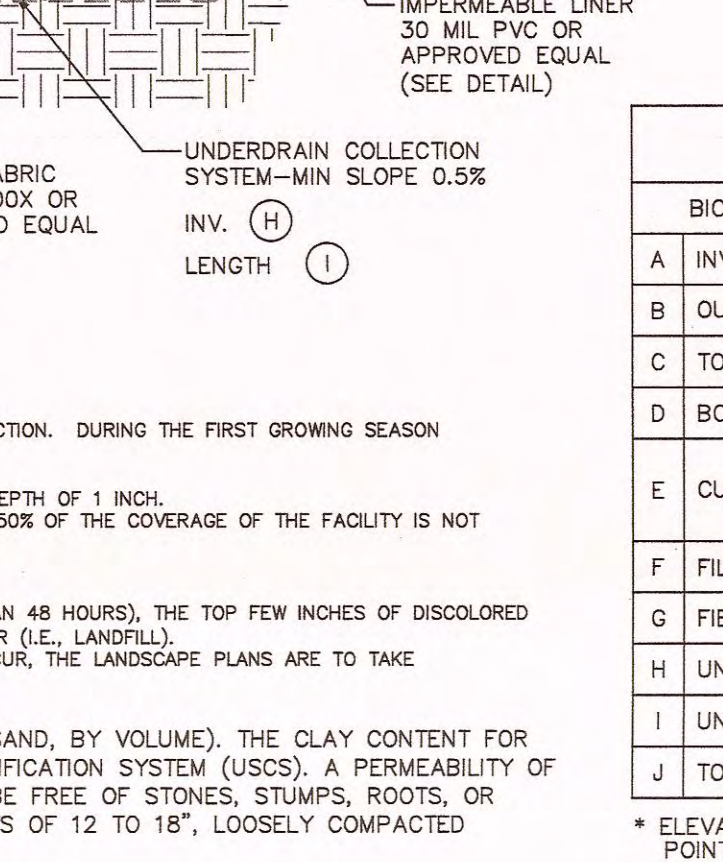
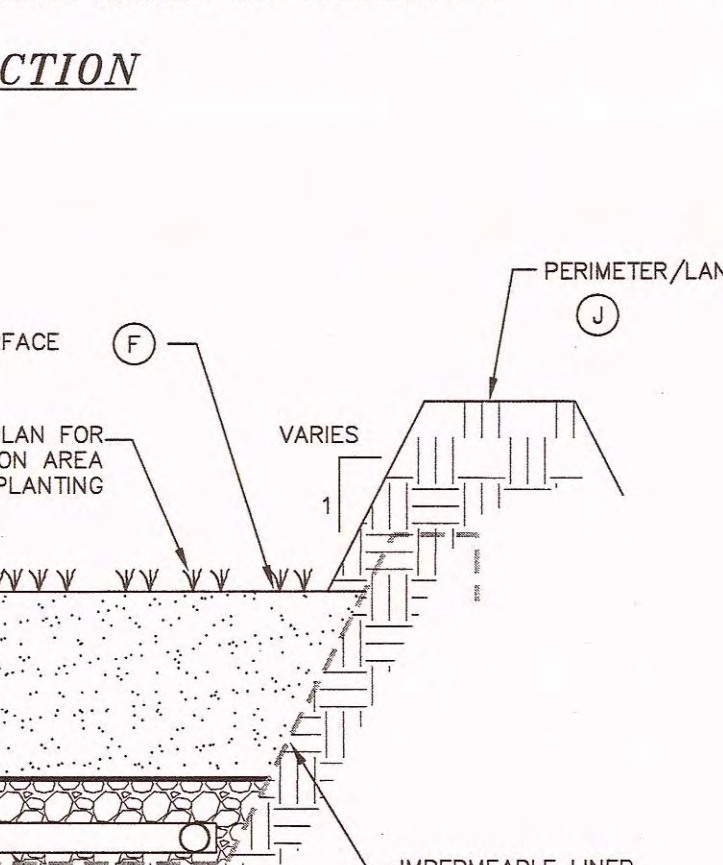
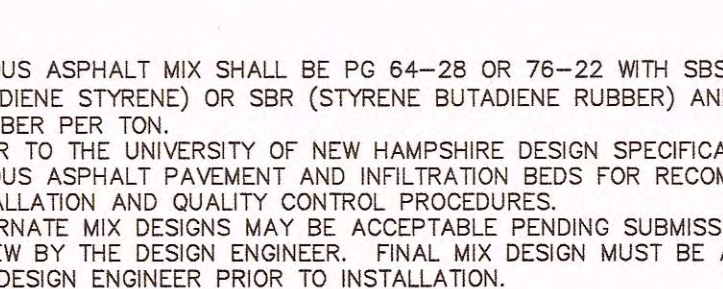
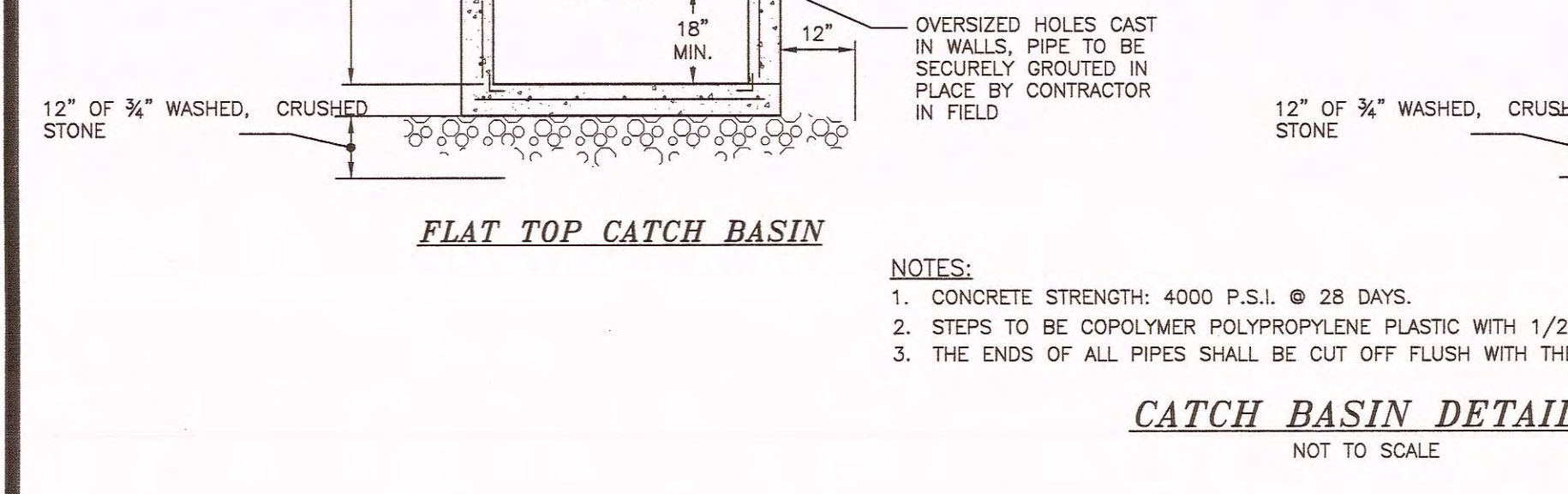
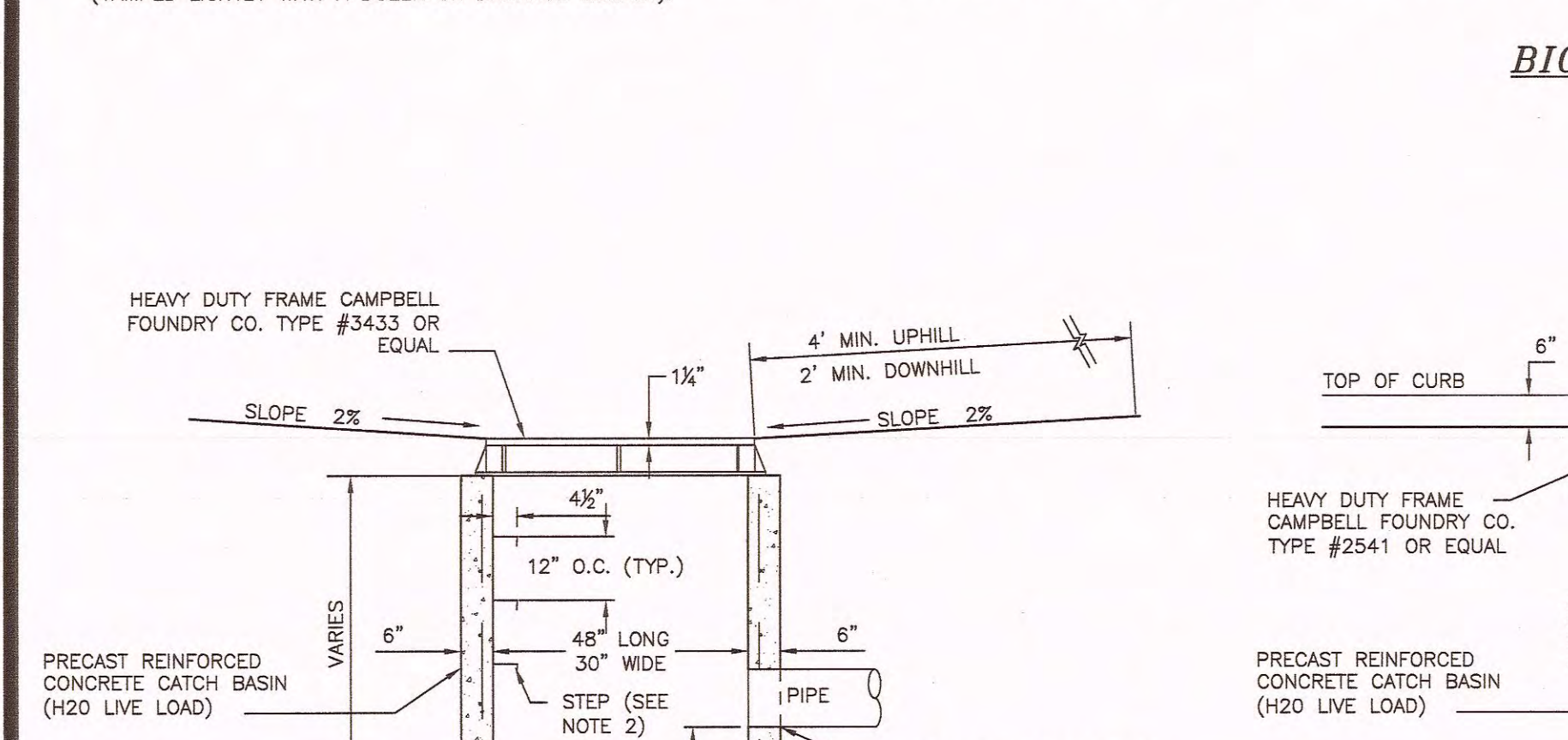
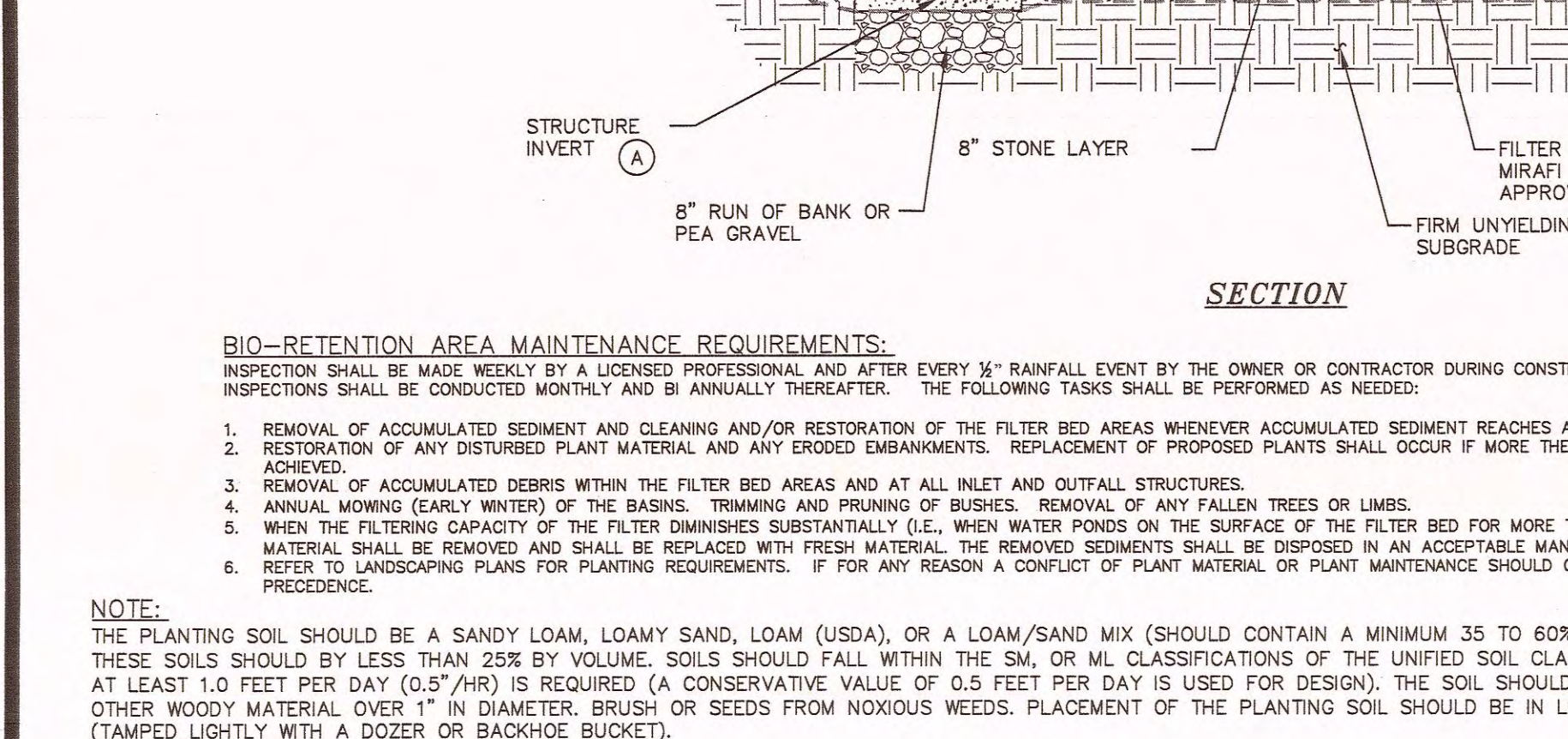
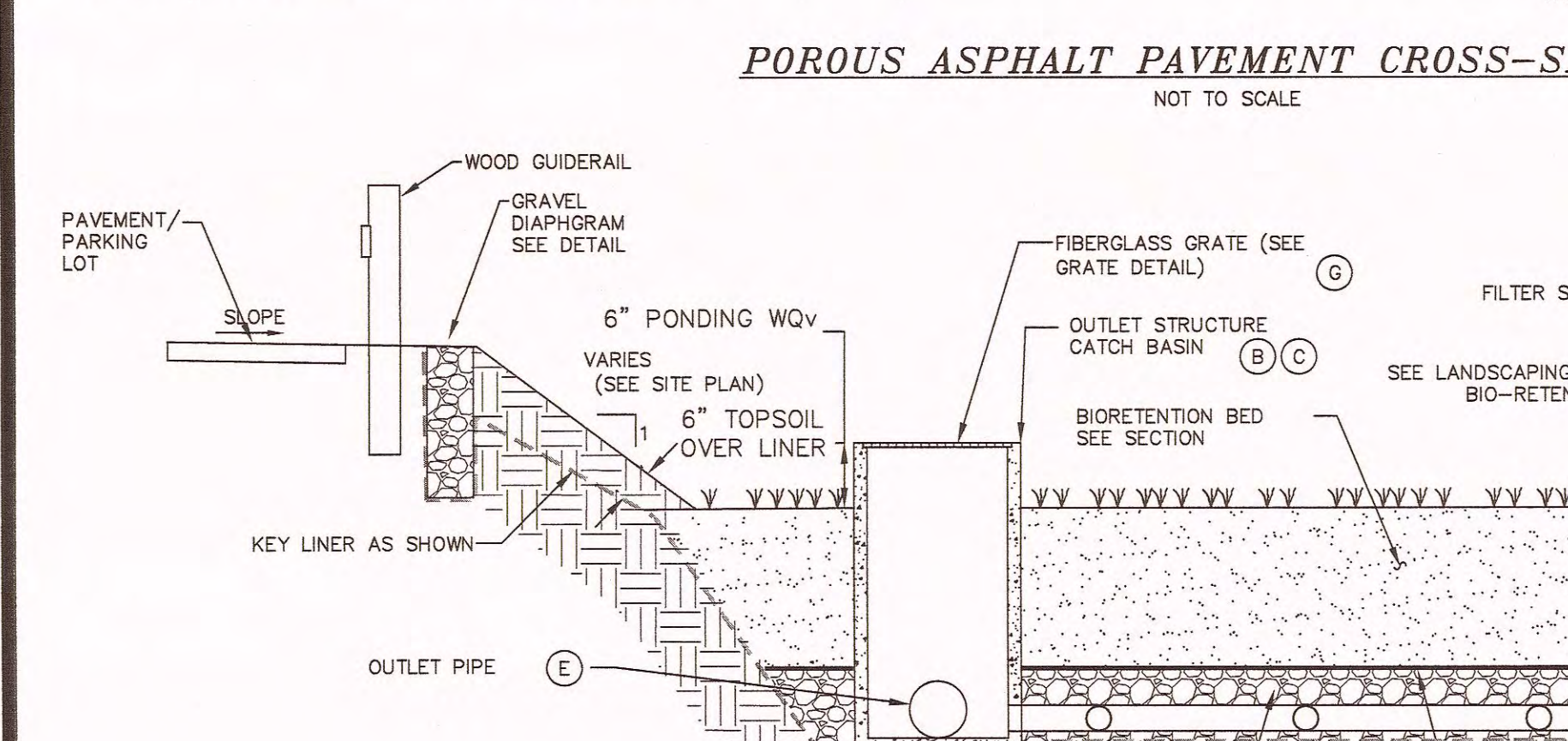
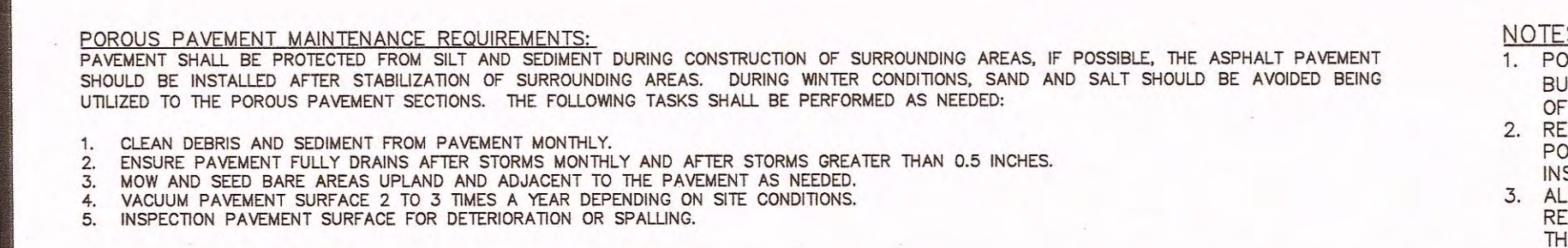
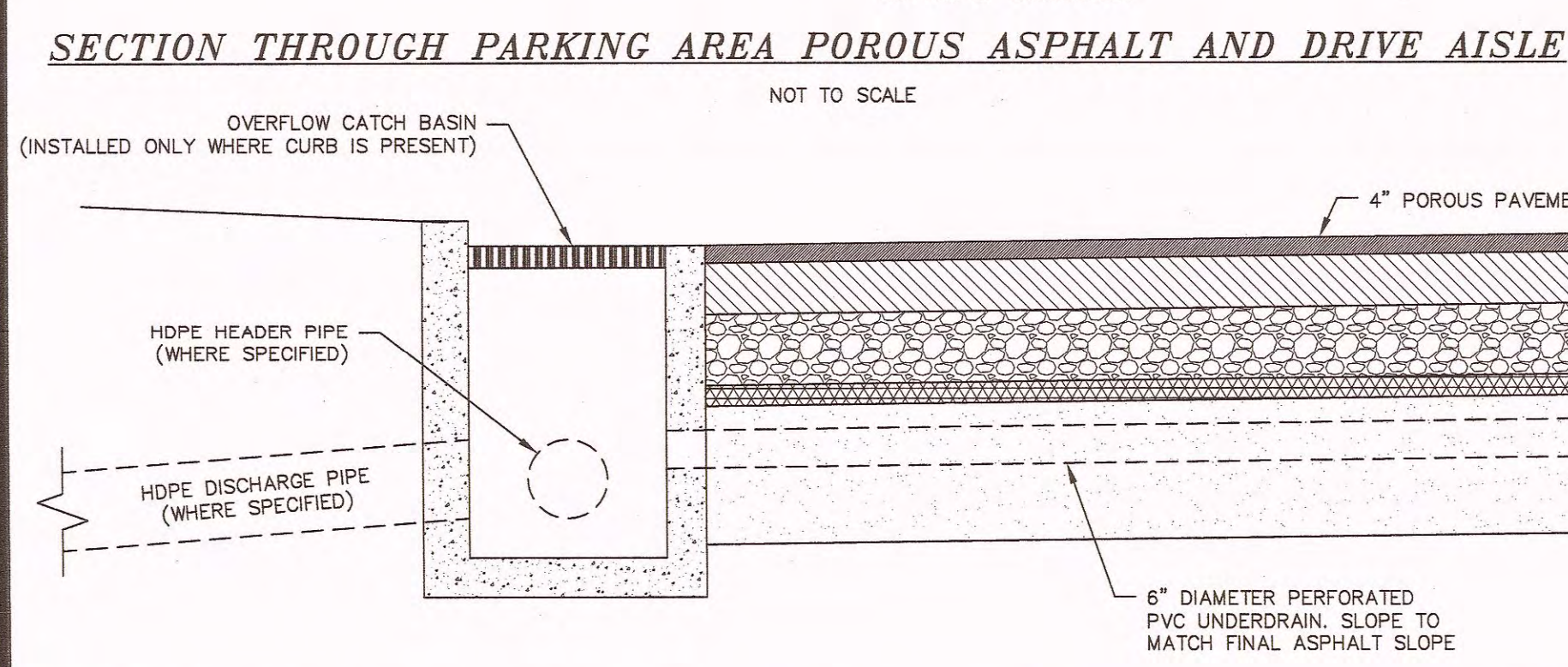
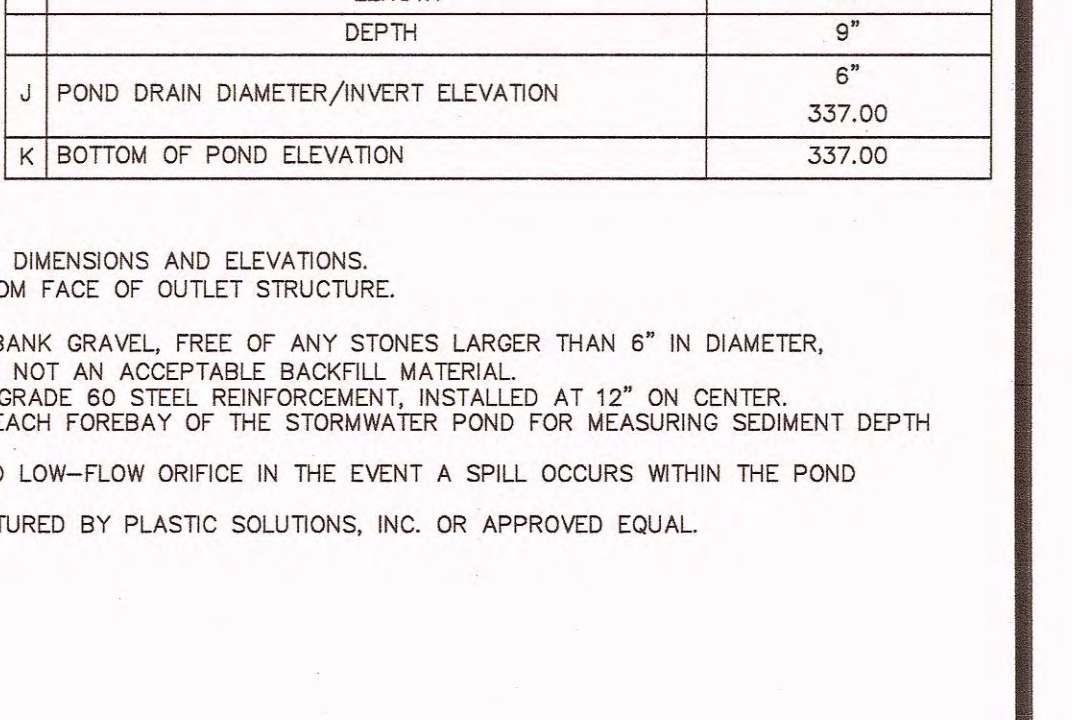


| POROUS ASPHALT MIX DESIGN | | |
|---|--------------------------------|--|
| SIEVE SIZE (INCH/MM) | PERCENT PASSING (%) | |
| 0.75/19 | 100 | |
| 0.50/12.5 | 85-100 | |
| 0.375/9.5 | 55-75 | |
| No. 4/4.75 | 10-25 | |
| No. 8/2.36 | 5-10 | |
| No. 200/0.075 | 2-4 | |
| PROPERTY VALUE | | |
| BINDER CONTENT (ASHTO 716A) | 6 - 6.5% | |
| FIBER CONTENT BY TOTAL MIXTURE MASS | 0.3% CELLULOSE OR 0.4% MINERAL | |
| SBR CONTENT BY WEIGHT OF BITUMEN | 1.5 - 3% | |
| IN-PLACE AIR VOID CONTENT (ASTM D6752/ASHTO 1275) | 16.0 - 19.0% | |

| R.O.B. GRAVEL GRADATION | | |
|-------------------------|---------------------------|--|
| SIEVE SIZE | PERCENT PASSING BY WEIGHT | |
| 2-INCH | 100% | |
| 1/4-INCH | 25% TO 65% | |
| NO. 40 | 5% TO 40% | |
| NO. 200 | 0% TO 10% | |

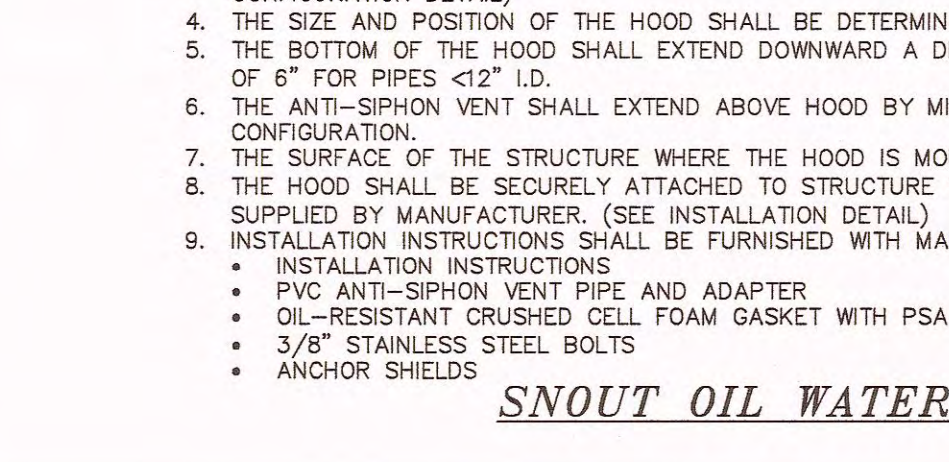
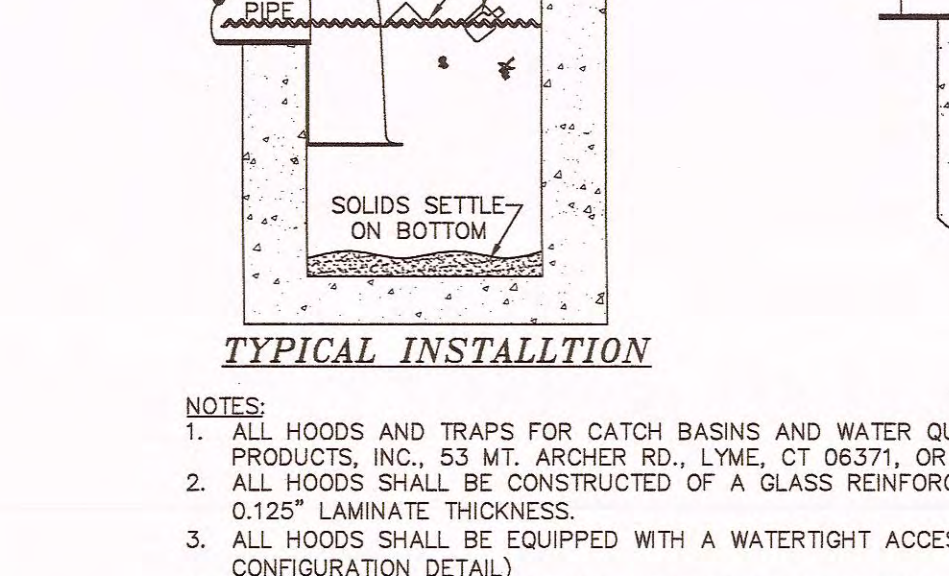
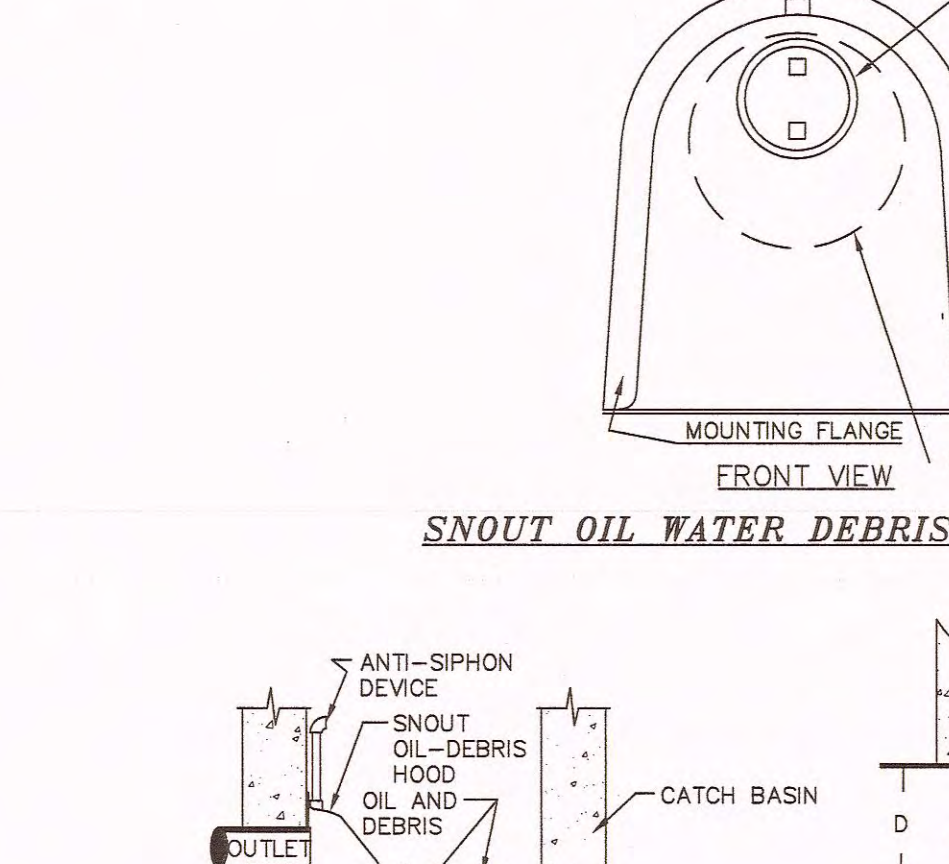
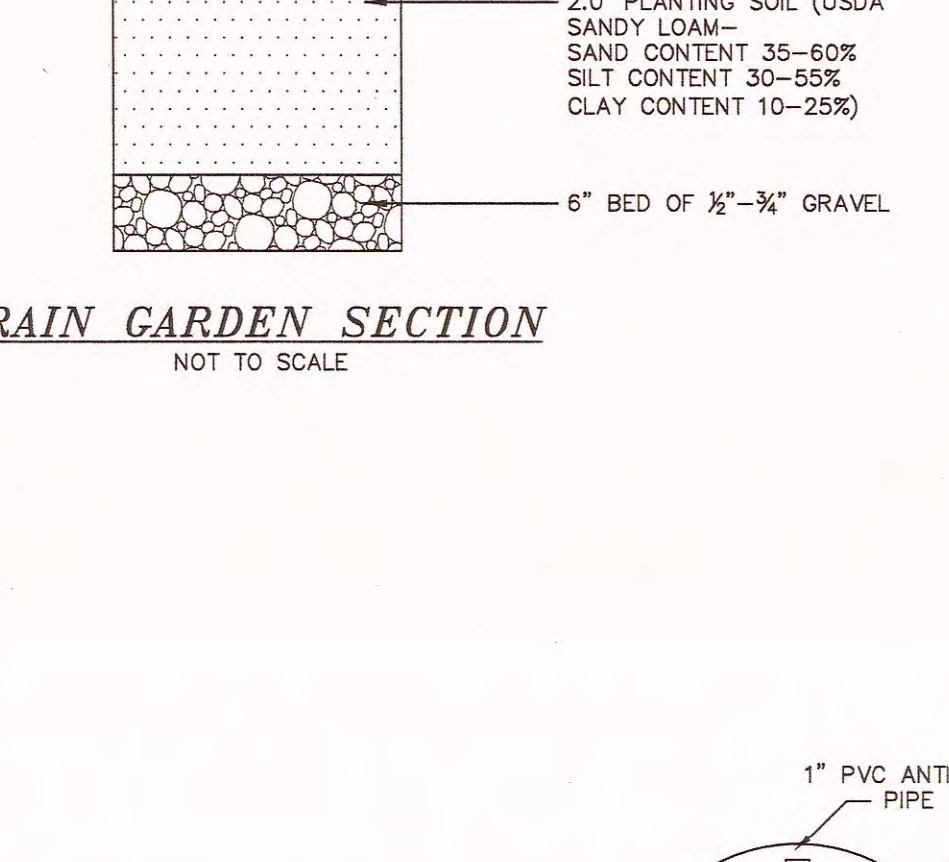
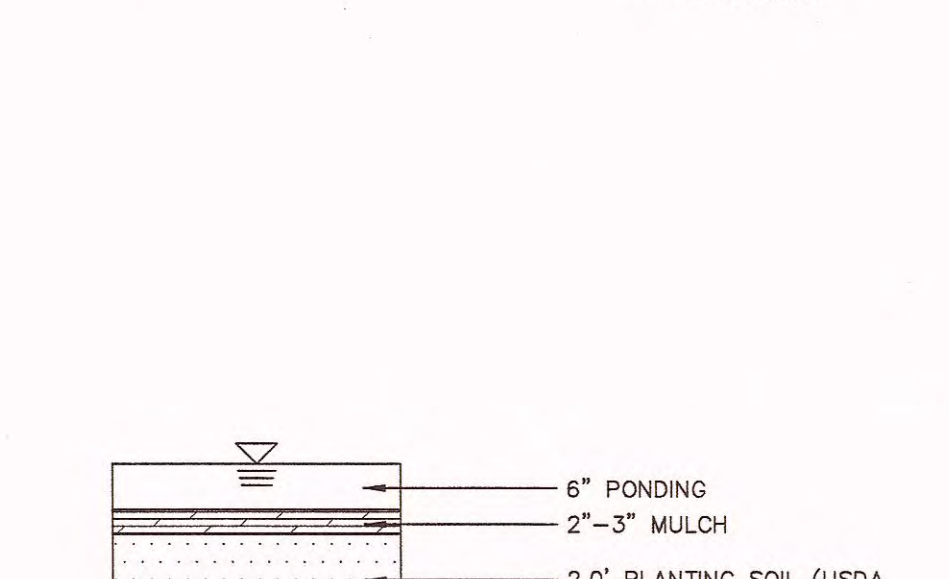
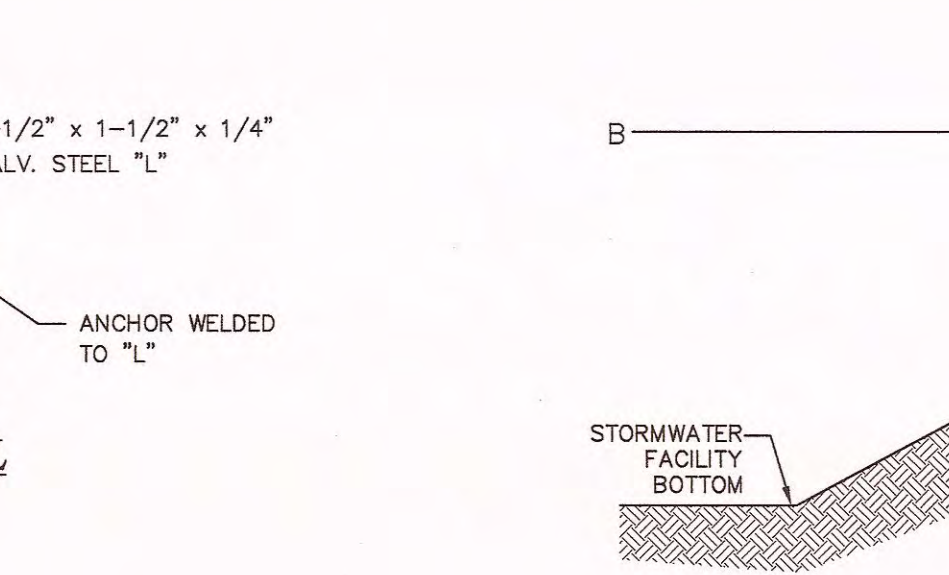


| STORMWATER POND DATA | | |
|---|------------------------|--|
| DETENTION BASIN OUTLET STRUCTURE | POND | |
| A INVERT OF OUTLET STRUCTURE | 336.75 | |
| B OUTLET STRUCTURE DIMENSIONS (INSIDE) | 48"x48" | |
| C TOP OF STRUCTURE ELEVATION (SEE NOTE 8) | 346.00 | |
| D BOTTOM OF STRUCTURE ELEVATION | 336.08 | |
| E1 ORIFICE 1: DIAMETER/INVERT ELEVATION | 3" / 341.00 | |
| E2 ORIFICE 2: DIMENSIONS/INVERT ELEVATION | 36" W X 15" H / 344.17 | |
| F CULVERT: DIAMETER/INVERT ELEVATION | 24" DR 51 PVC / 337.00 | |
| G FIBERGLASS GRATE DIMENSION | 42"x42" | |
| H TOP OF PERIMETER BERM | 347.00 | |
| I EMERGENCY SPILLWAY: ELEVATION | 346.25 | |
| J LENGTH | 30' | |
| K DEPTH | 6" | |
| L POND DRAIN DIAMETER/INVERT ELEVATION | 3" / 337.00 | |
| M BOTTOM OF POND ELEVATION | 337.00 | |

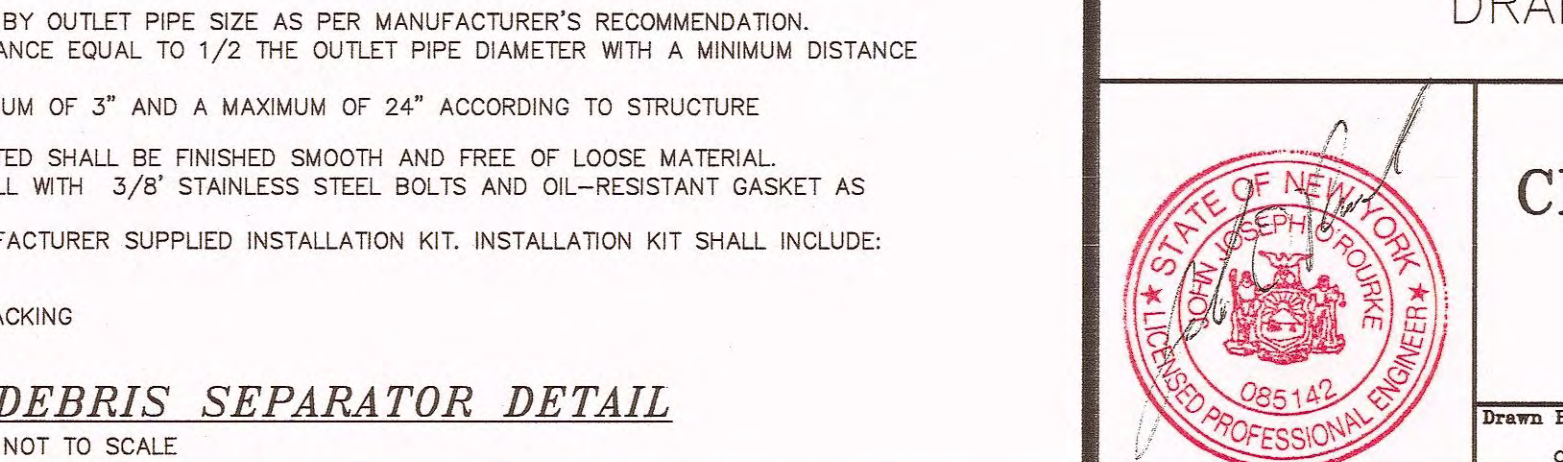
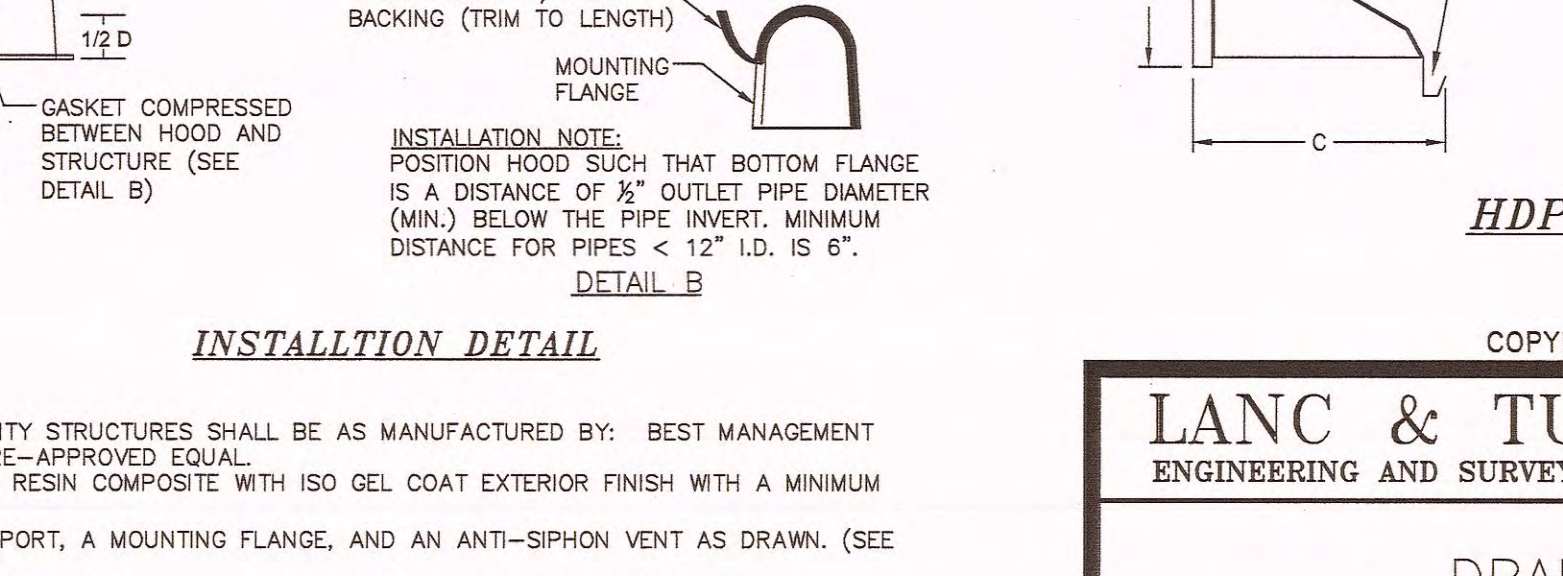
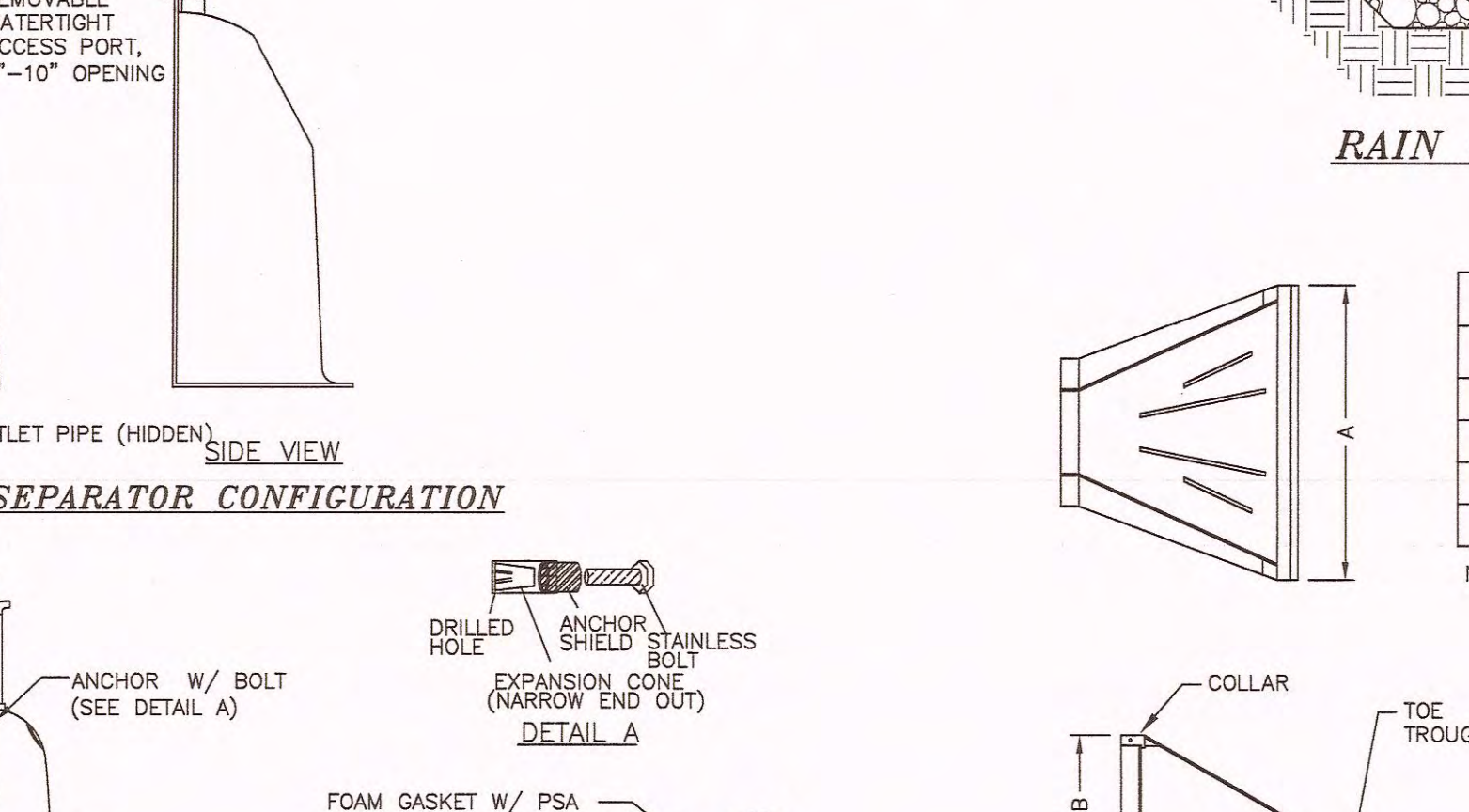
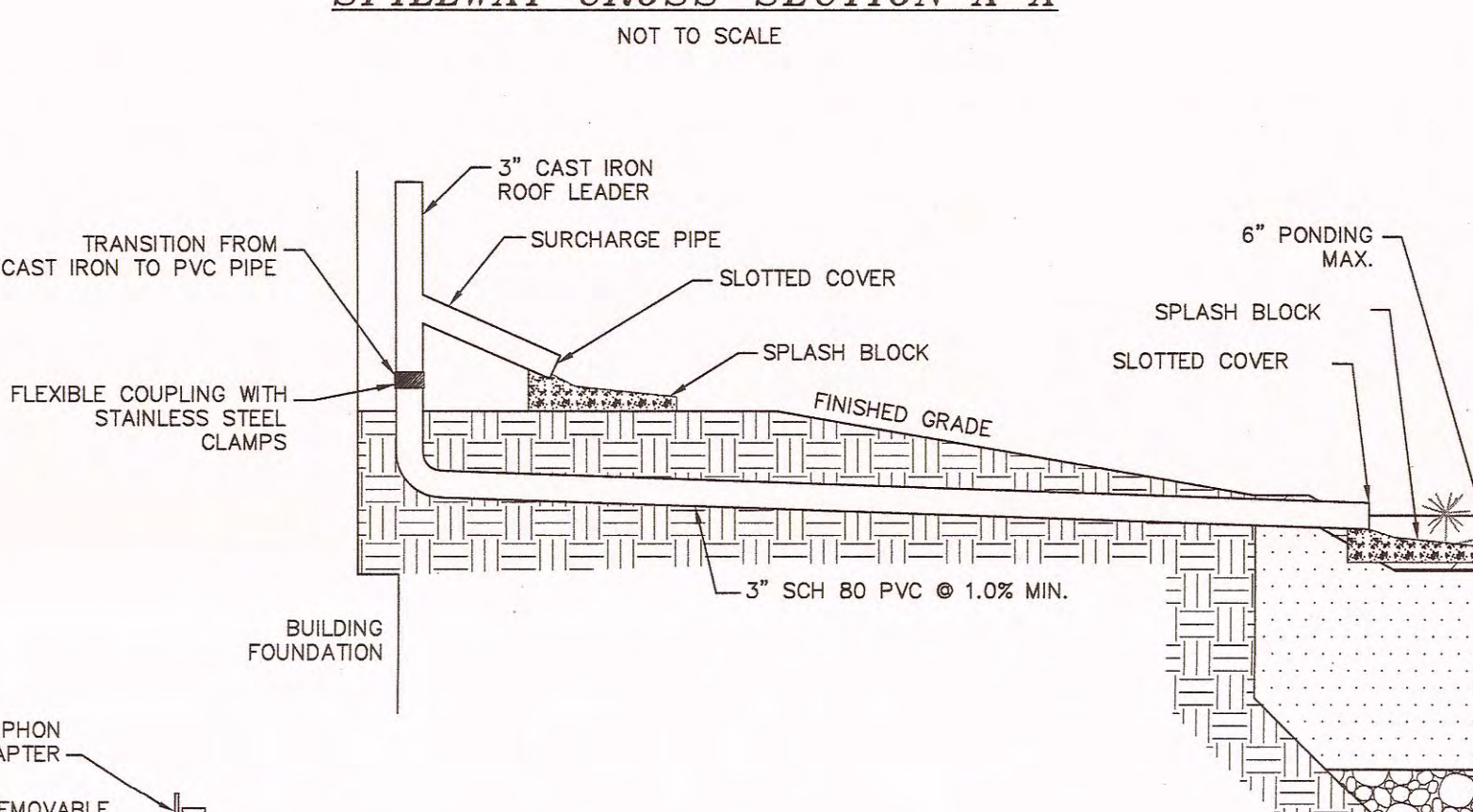
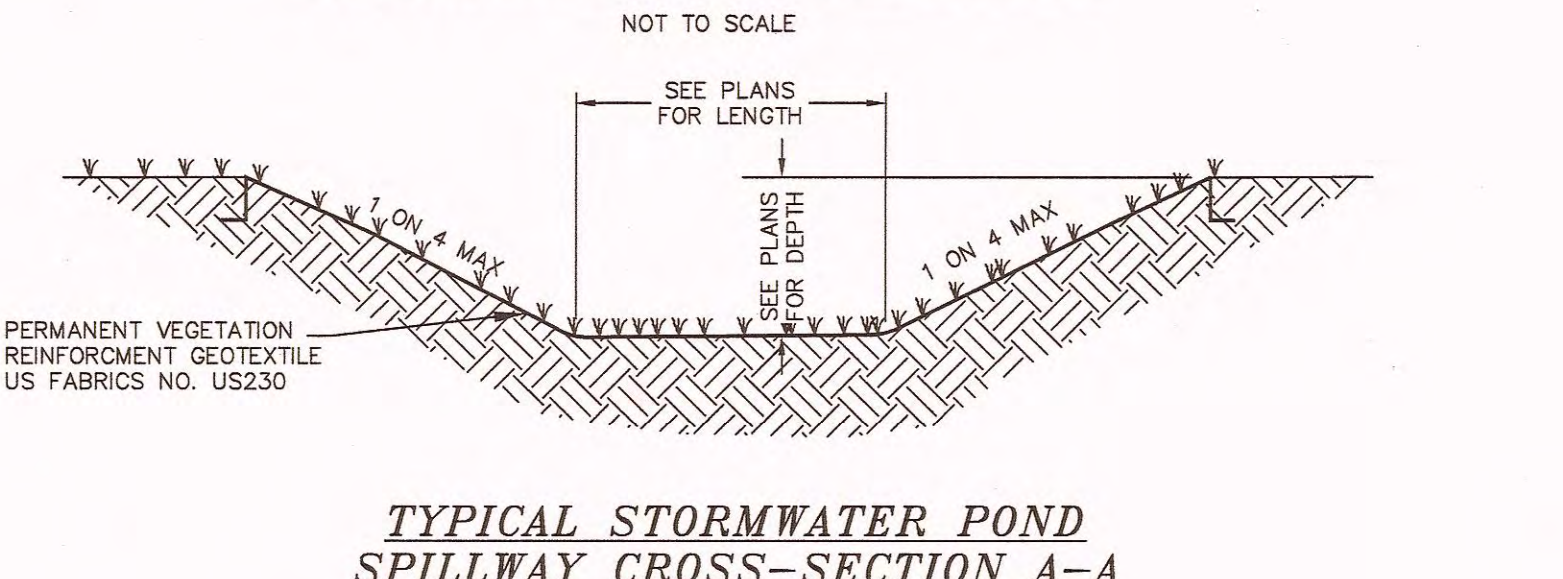
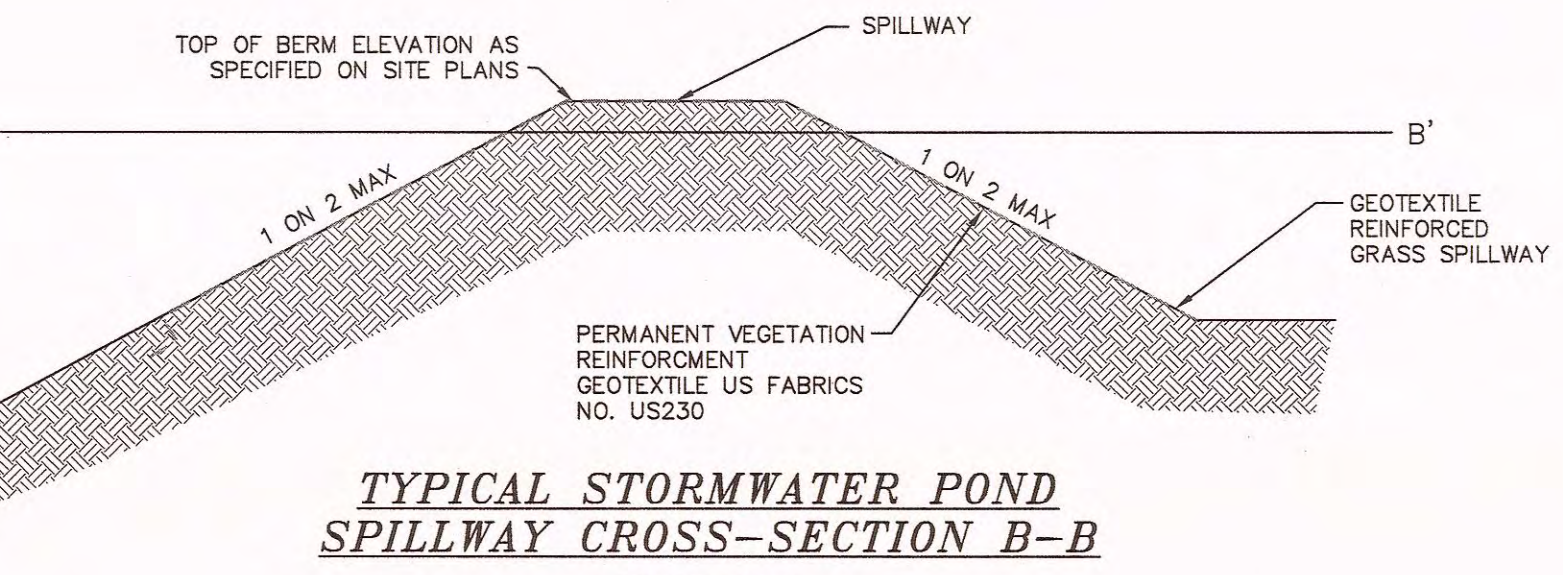


| BIO-RETENTION AREA OUTLET STRUCTURE DATA | | | | | |
|--|--------------|--------------|--------------|--------------|--------------|
| | 1* | 2* | 3* | 4* | 5* |
| A INVERT OF OUTLET STRUCTURE | 349.89 | 351.94 | 352.89 | 351.72 | 351.02 |
| B OUTLET STRUCTURE DIMENSIONS (OUTSIDE) | 48"x48" | 48"x48" | 48"x48" | 48"x48" | 48"x48" |
| C TOP OF STRUCTURE ELEVATION | 353.30 | 355.69 | 356.44 | 355.44 | 354.77 |
| D BOTTOM OF STRUCTURE ELEVATION | 349.02 | 351.27 | 352.02 | 351.05 | 350.35 |
| E CULVERT: DIAMETER/INVERT ELEVATION | 15" / 349.84 | 15" / 352.19 | 15" / 352.94 | 15" / 351.97 | 15" / 351.27 |
| F FILTER SURFACE ELEVATION | 352.80 | 355.19 | 355.94 | 354.94 | 354.27 |
| G FIBERGLASS GRATE DIMENSION | 42"x42" | 42"x42" | 42"x42" | 42"x42" | 42"x42" |
| H UNDERDRAIN INVERT ELEVATION | 350.13 | 352.52 | 353.27 | 352.27 | 351.60 |
| I UNDERDRAIN SYSTEM LENGTH | 23' | 28' | 118' | 198' | 199' |
| J TOP OF PERIMETER BERM | 353.70 | 356.16 | 356.99 | 355.68 | 355.68 |

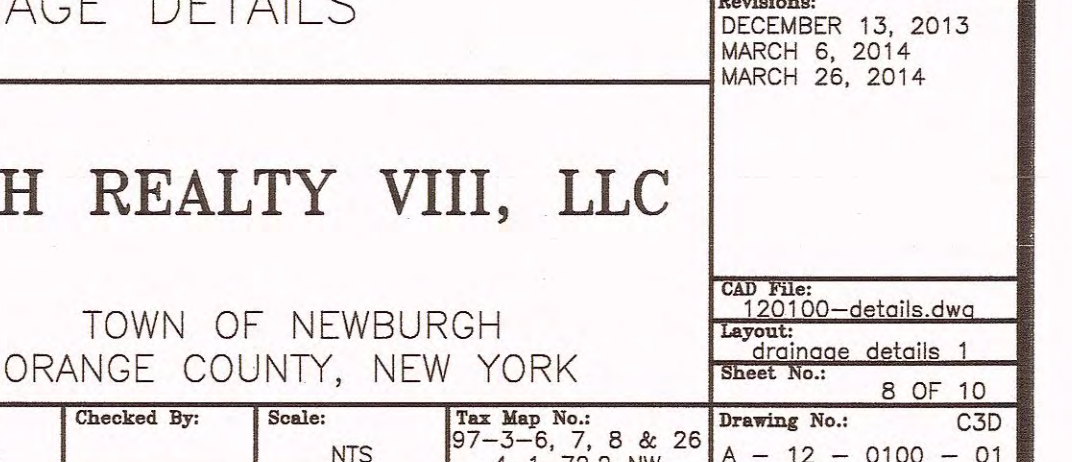
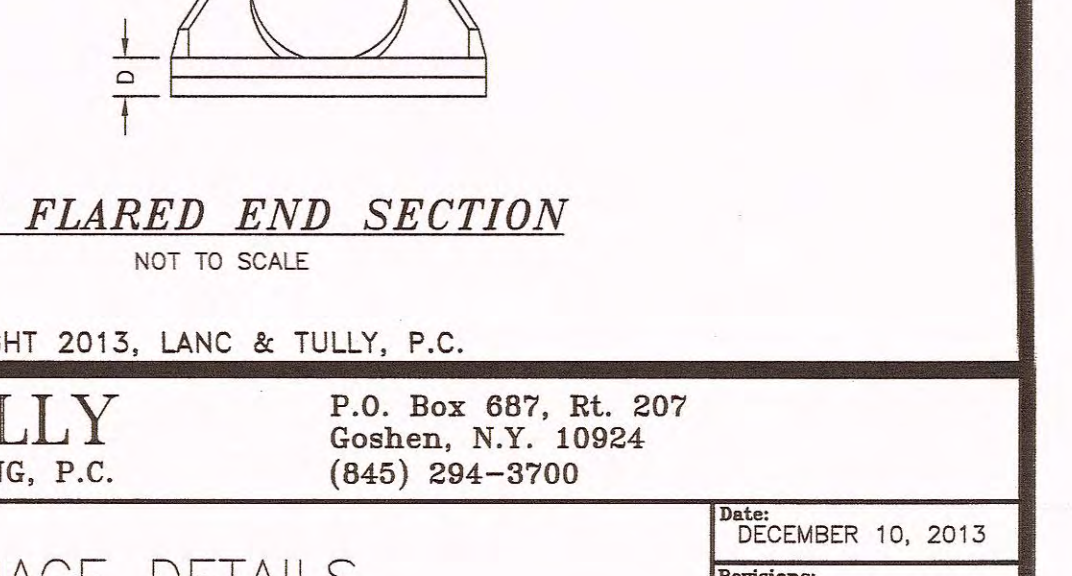
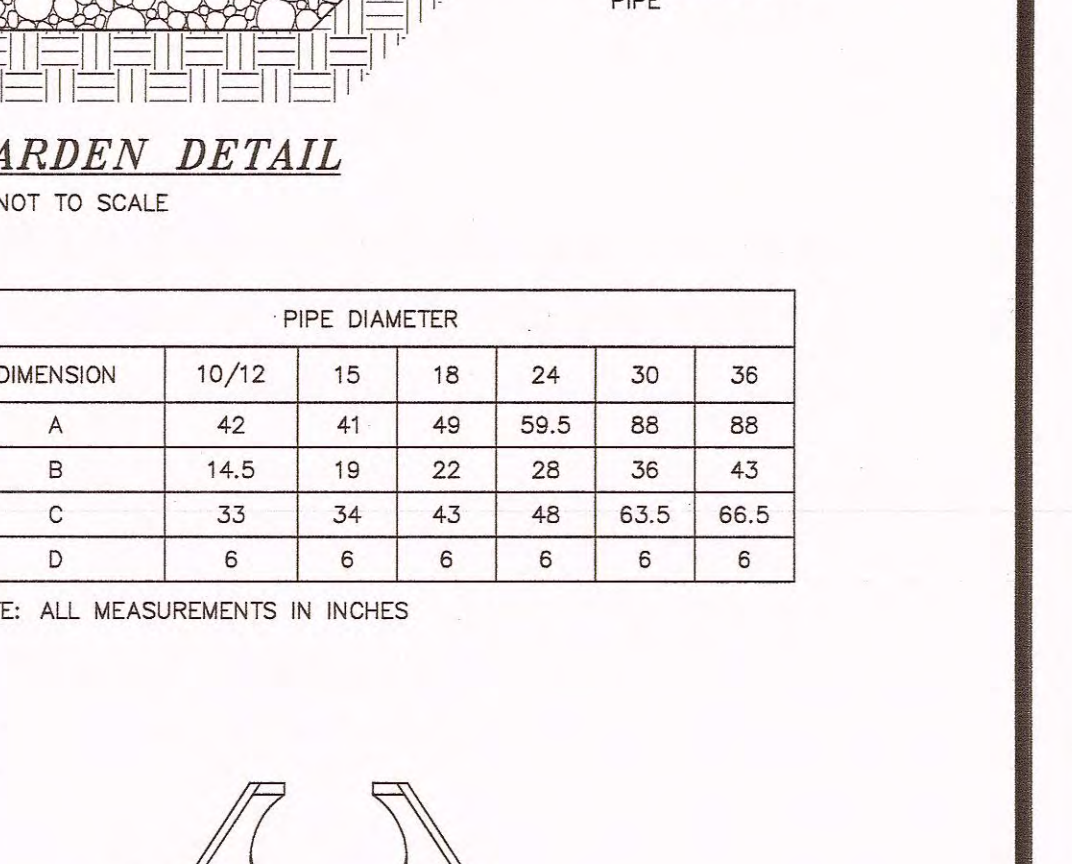
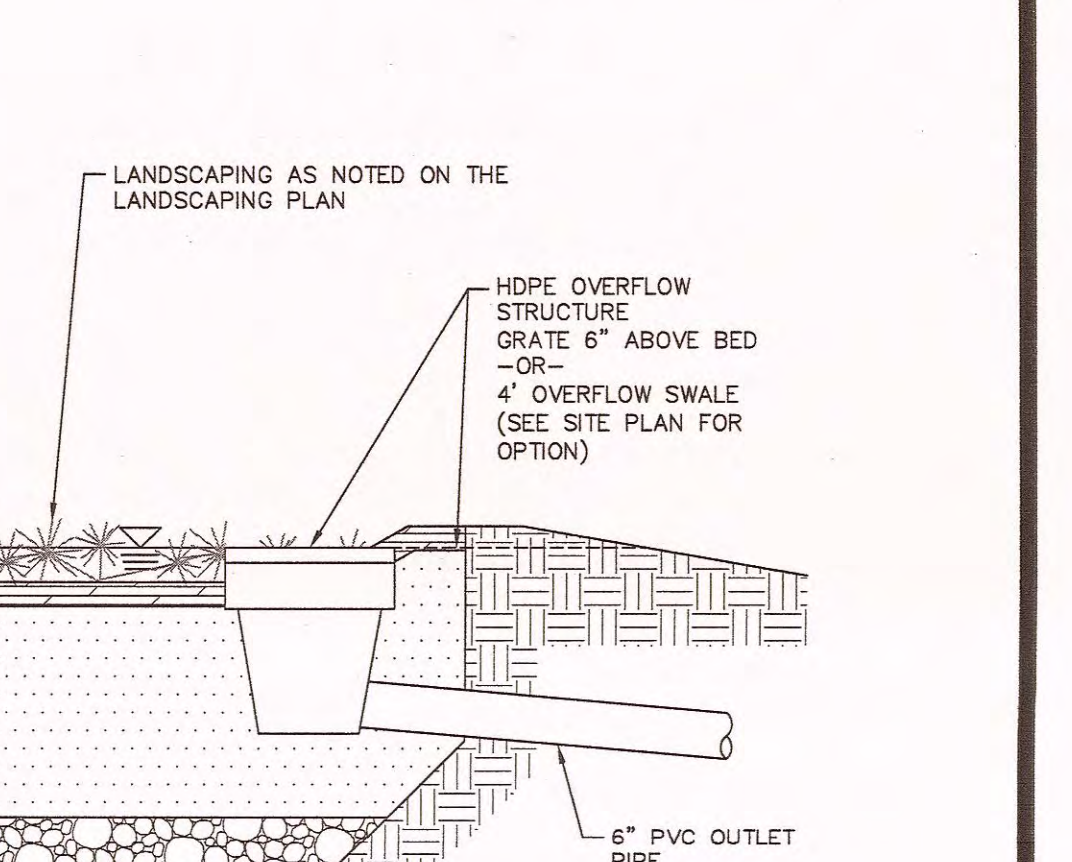
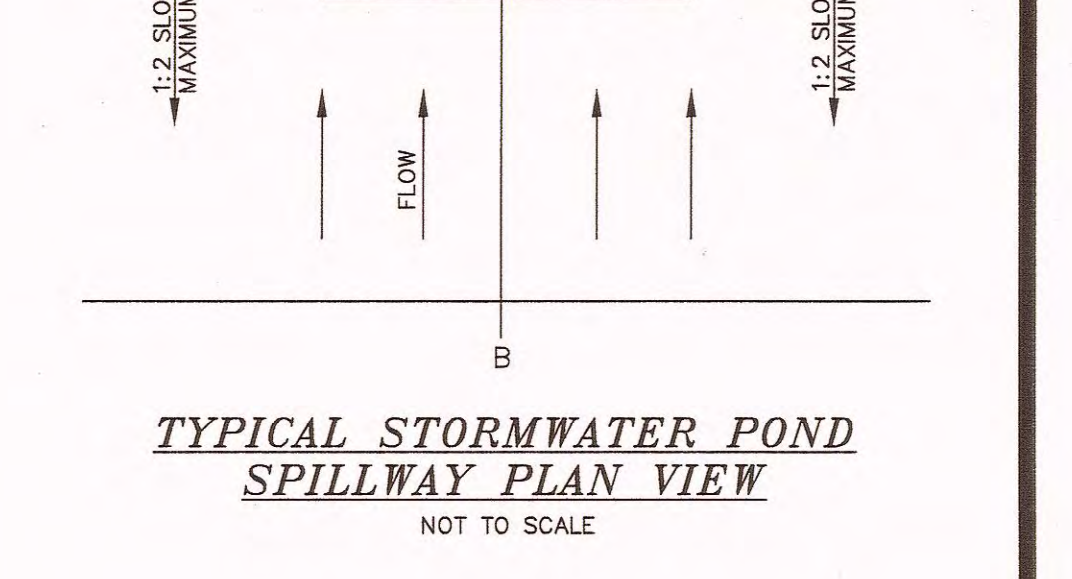
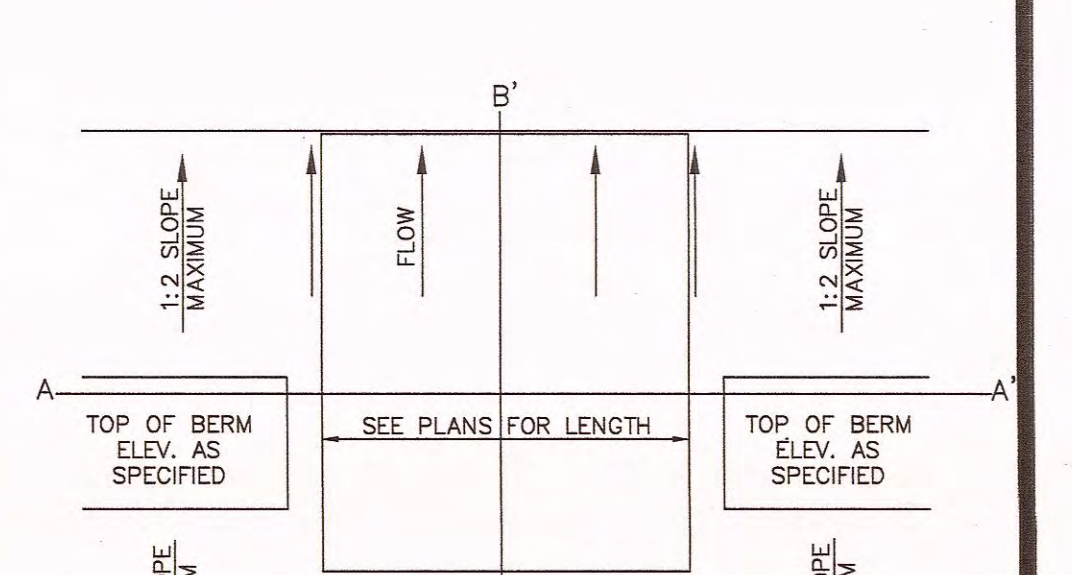
* ELEVATION VARIES ALONG LENGTH OF BIO-RETENTION AREA. THE LISTED ELEVATIONS ARE FOR LOWEST POINT.



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ENGINEERING AND SURVEYING, P.C.

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Goshen, N.Y. 10884
(845) 294-8700

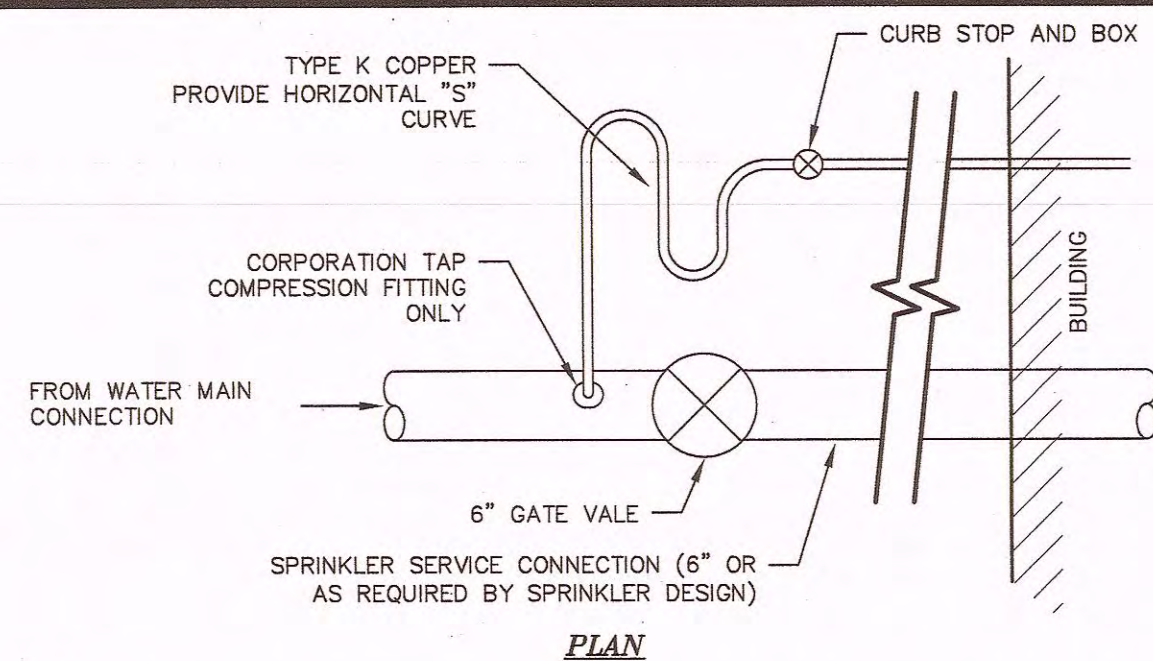
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DESIGNED: DECEMBER 13, 2013
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DATE: MARCH 26, 2014

DRAINAGE DETAILS

CRH REALTY VIII, LLC

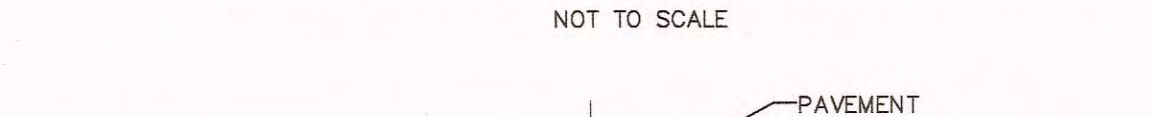
TOWN OF NEWBURGH
ORANGE COUNTY, NEW YORK

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Checked By: NTS
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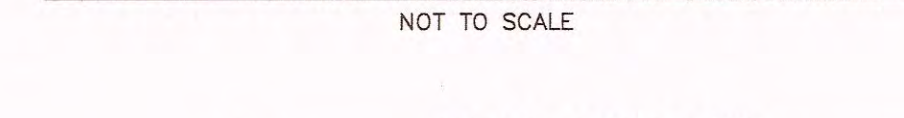


NOTE: CORPORATION TAP, CURB STOP/CURB BOX AND GATE VALVE TO MEET TOWN OF NEWBURGH SPECIFICATIONS. SEE NOTES THIS SHEET.

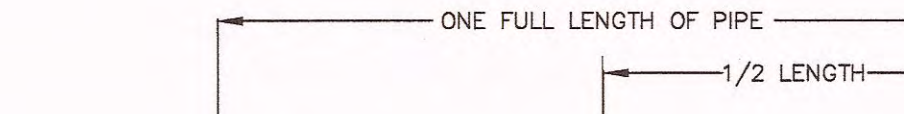
WATER SERVICE CONNECTION DETAIL



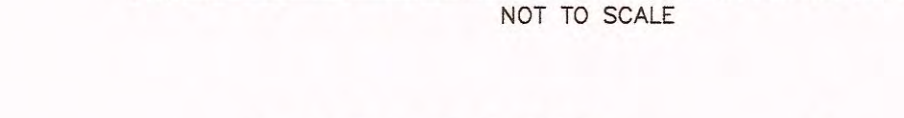
SEWER SERVICE CLEANOUT DETAIL



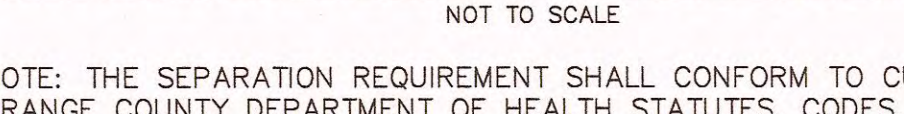
WET TAP DETAIL



WATER & SEWER CROSSING DETAIL



WATER & SEWER HORIZONTAL SEPARATION



DOGHOUSE MANHOLE

TOWN OF NEWBURGH WATER SYSTEM NOTES

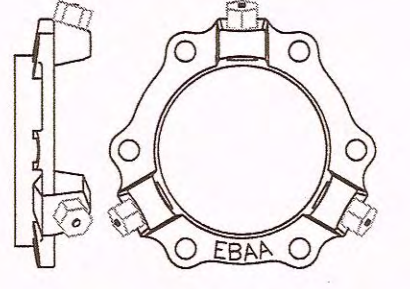
- CONSTRUCTION OF POTABLE WATER UTILITIES AND CONNECTION TO THE TOWN OF NEWBURGH WATER SYSTEM REQUIRES A PERMIT FROM THE TOWN OF NEWBURGH WATER DEPARTMENT. ALL REQUIREMENTS SHALL CONFORM TO THE REQUIREMENTS OF THE NEW YORK STATE DEPARTMENT OF HEALTH AND THE TOWN OF NEWBURGH.
- ALL WATER SERVICES LINES FOUR (4) INCHES AND LARGER IN DIAMETER SHALL BE CEMENT LINED, CLASS 52, DUCTILE IRON PIPE CONFORMING TO ANSI/AWWA C151/A21.51-91 OR LATER REVISION FOR DUCTILE IRON PIPE JOINTS SHALL BE EITHER PUSH-ON OR MECHANICAL JOINT AS REQUIRED.
- THRUST RESTRAINT OF THE PIPE SHALL BE THROUGH THE USE OF JOINT RESTRAINT. THRUST BLOCKS ARE NOT ACCEPTABLE. JOINT RESTRAINT SHALL BE THROUGH THE USE OF MECHANICAL JOINT PIPE WITH RETAINER GLANDS. ALL FITTINGS AND VALVES SHALL ALSO BE INSTALLED WITH RETAINER GLANDS FOR JOINT RESTRAINT. RETAINER GLANDS SHALL BE EBAA IRON MEGALUG SERIES 1100 OR APPROVED EQUAL. THE USE OF A MANUFACTURED RESTRAINED JOINT PIPE IS ACCEPTABLE WITH PRIOR APPROVAL OF THE WATER DEPARTMENT.
- ALL FITTINGS SHALL BE CAST IRON OR DUCTILE IRON, MECHANICAL JOINT, CLASS 250 AND CONFORM TO ANSI/AWWA C110/A21.10-87 OR LATEST REVISION FOR DUCTILE AND GRAY IRON FITTINGS OR ANSI/AWWA C153/A21.53-94 FOR LATEST REVISION FOR DUCTILE IRON COMPACT FITTINGS.
- ALL VALVES SHALL BE RESILIENT WEDGE, MECHANICAL JOINT GATE VALVES CONFORMING TO ANSI/AWWA C509 OR LATEST REVISION SUCH AS MUELLER A-2360-23 OR APPROVED EQUAL. ALL GATE VALVES SHALL OPEN LEFT (COUNTER CLOCKWISE).
- TAPPING SLEEVES AND VALVES SHALL BE TESTED TO 150 PSI MINIMUM. TESTING OF THE TAPPING SLEEVE AND VALVES MUST BE WITNESSED AND ACCEPTED BY THE TOWN OF NEWBURGH WATER DEPARTMENT PRIOR TO CUTTING INTO THE PIPE.
- ALL WATER SERVICE LINES TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING. CORPORATION STOPS SHALL BE MUELLER H-15020 FOR 3/4 AND 1 INCH, MUELLER H-15000 FOR 1-1/2 OR 2 INCH SIZES. CURB VALVES SHALL BE MUELLER H-1001-2 FOR 3/4 AND 1 INCH AND MUELLER H-25004 FOR 1-1/2 AND 2 INCH SIZES. CURB BOXES SHALL BE MUELLER H-10312 FOR 3/4 AND 1 INCH AND MUELLER H-10310 FOR 1-1/2 AND 2 INCH SIZES.
- ALL PIPE INSTALLATION SHALL BE SUBJECT TO INSPECTION BY THE TOWN OF NEWBURGH WATER DEPARTMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL INSPECTIONS AS REQUIRED WITH THE TOWN OF NEWBURGH WATER DEPARTMENT.
- THE WATER MAIN SHALL BE TESTED, DISINFECTED AND FLUSHED IN ACCORDANCE WITH THE TOWN OF NEWBURGH REQUIREMENTS. ALL TESTING, DISINFECTION AND FLUSHING SHALL BE COORDINATED WITH THE TOWN OF NEWBURGH WATER DEPARTMENT. PRIOR TO PUTTING THE WATER MAIN IN SERVICE, SATISFACTORY SANITARY RESULTS FROM A CERTIFIED LAB MUST BE SUBMITTED TO THE TOWN OF NEWBURGH WATER DEPARTMENT. TEST SAMPLES MUST BE COLLECTED BY A REPRESENTATIVE OF THE TESTING LABORATORY AND WITNESSED BY THE WATER DEPARTMENT.
- THRUST RESTRAINT SHALL BE PROVIDED BY THE ROADS AND RETAINER GLANDS. THE LENGTH OF RESTRAINED PIPE SHALL BE DETERMINED BASED UPON WORKING PRESSURES, SOIL CONDITIONS AND DEPTH OF BURY ACCORDING TO DIPPA STANDARDS.
- PRESSURE AND LEAKAGE TESTS ARE REQUIRED AND SHALL BE DONE IN ACCORDANCE WITH AWWA C-600 STANDARDS.
- DISINFECTION OF ALL NEW WORK SHALL BE DONE IN ACCORDANCE WITH AWWA C-651 - YEAR OF LATEST REVISION STANDARDS.
- ALL WATER MAINS SHALL BE 8", CLASS 52, DUCTILE IRON PIPE UNLESS OTHERWISE NOTED.

TOWN OF NEWBURGH SEWER SYSTEM NOTES

- CONSTRUCTION OF SANITARY SEWER FACILITIES AND CONNECTION TO THE TOWN OF NEWBURGH SANITARY SEWER SYSTEM REQUIRES A PERMIT FROM THE TOWN OF NEWBURGH SEWER DEPARTMENT. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE NYSDEC AND THE TOWN OF NEWBURGH.
- ALL GRAVITY SANITARY SEWER SERVICE LINES SHALL BE 4 INCHES IN DIAMETER OR LARGER AND SHALL BE SDR-35 PVC PIPE CONFORMING TO ASTM D-3034-99. JOINTS SHALL BE PUSH-ON WITH ELASTOMERIC RING GASKET CONFORMING TO ASTM D-3212. FITTINGS SHALL BE AS MANUFACTURED BY THE PIPE SUPPLIER OR EQUAL AND SHALL HAVE A BELL AND SPIGOT CONFIGURATION COMPATIBLE WITH THE PIPE.
- ALL PIPE INSTALLATION SHALL BE SUBJECT TO INSPECTION BY THE TOWN OF NEWBURGH SEWER DEPARTMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL INSPECTIONS AS REQUIRED WITH THE TOWN OF NEWBURGH SEWER DEPARTMENT.
- THE SEWER MAIN SHALL BE TESTED IN ACCORDANCE WITH TOWN OF NEWBURGH REQUIREMENTS. ALL TESTING SHALL BE COORDINATED WITH THE TOWN OF NEWBURGH SEWER DEPARTMENT.

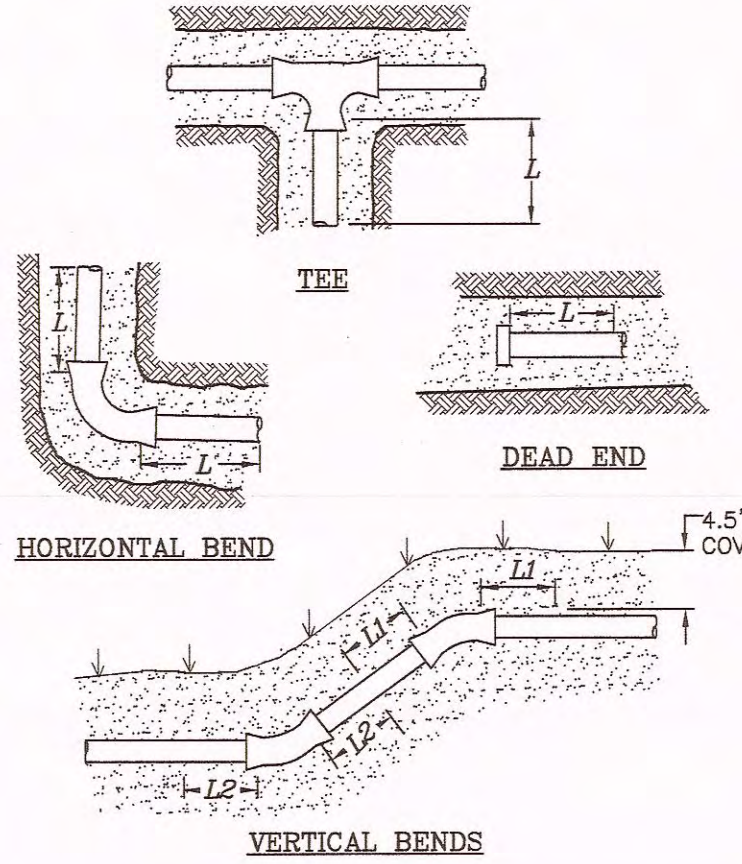
| RESTRAINED JOINT TABLE | | |
|--|---------------------------|---------|
| MINIMUM LENGTH REQUIRED IN LINEAR FEET | | |
| FITTING | LENGTH IN LINEAR FEET (L) | |
| TEE - 8" | 5' | |
| REDUCER | 12' | |
| 90° HORIZONTAL BEND - 6" | 10' | |
| 45° HORIZONTAL BEND - 6" | 4' | |
| 22-1/2° HORIZONTAL BEND - 6" | 2' | |
| VERTICAL BENDS - 6" | L1 = 9' | L2 = 2' |

NOTE: LENGTH OF RESTRAINED JOINTS BASED UPON,
 a) 4.5" MINIMUM COVER
 b) TEST PRESSURE = 150 PSI
 c) TYPE 5 TRENCH
 d) 1.5 TO 1 SAFETY FACTOR
 e) SOIL TYPE: GW



MECHANICAL JOINT RESTRAINT DETAIL

SEE NOTE 3 OF THE TOWN OF NEWBURGH WATER SYSTEM NOTES.



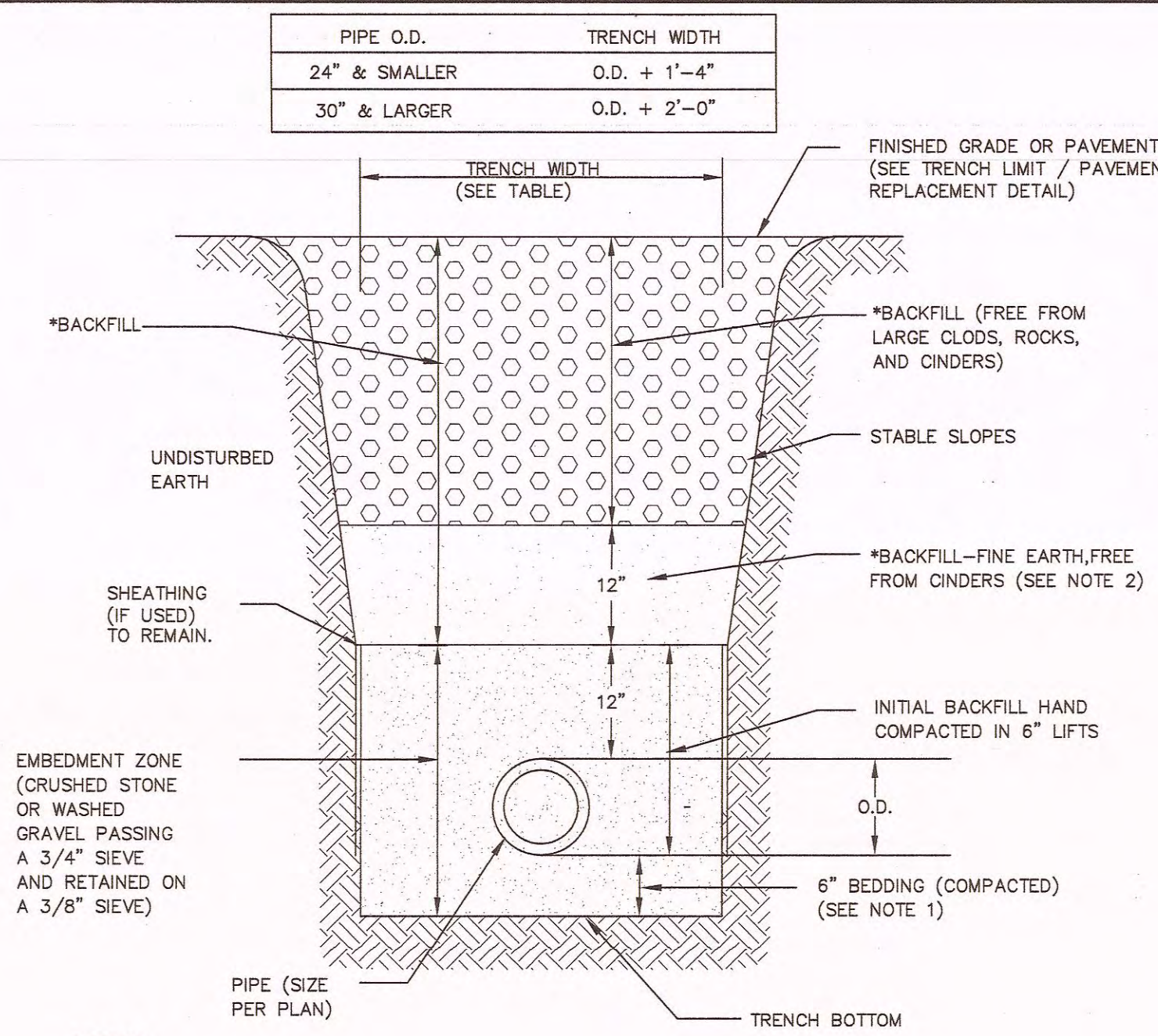
RESTRAINED JOINT DETAILS

NOT TO SCALE

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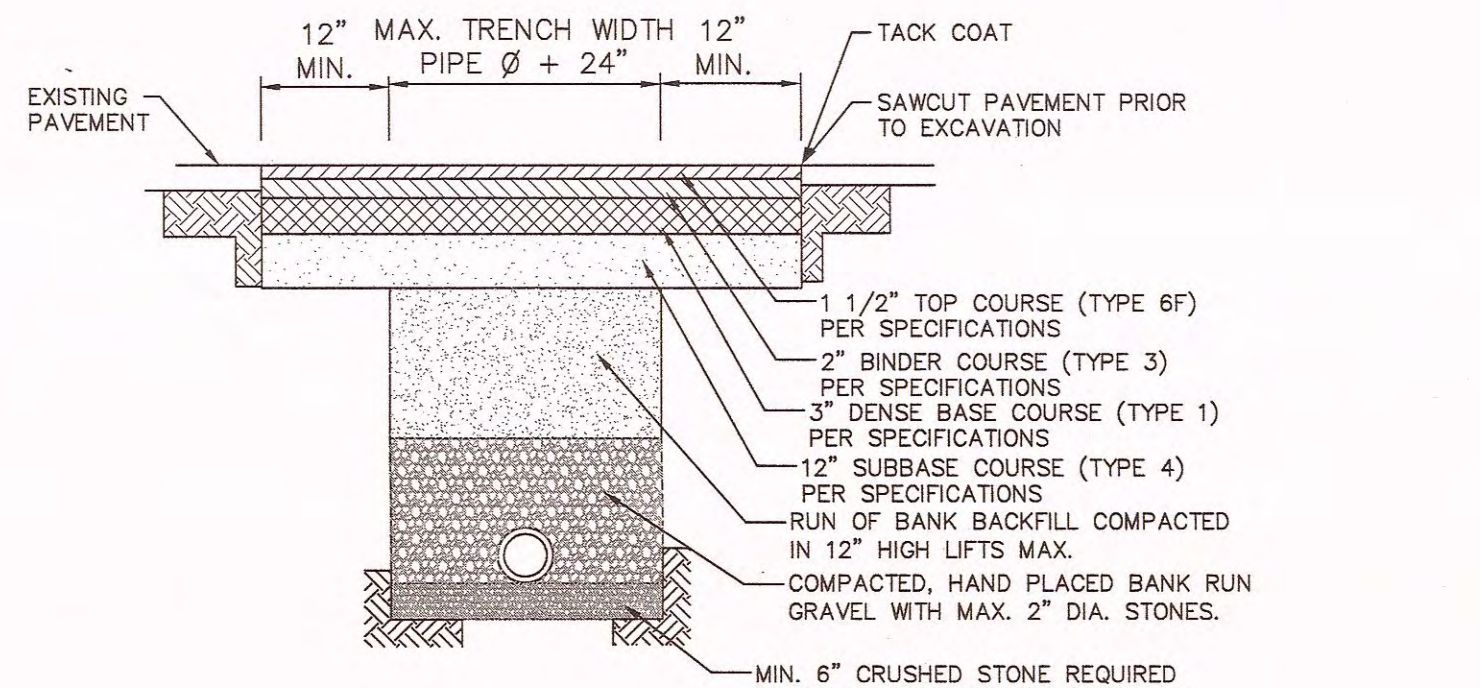


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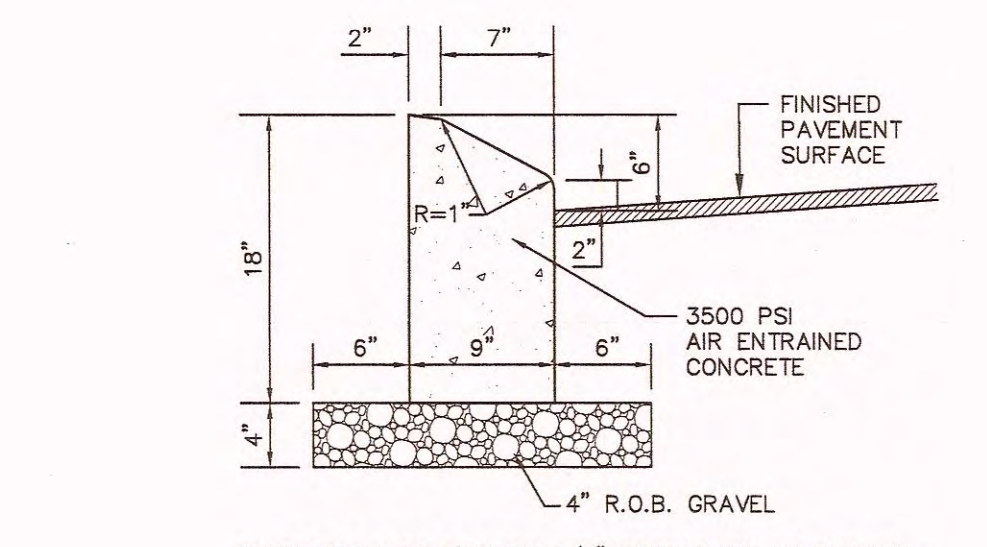
WATER & SANITARY SEWER TRENCH CROSS SECTION

NOT TO SCALE



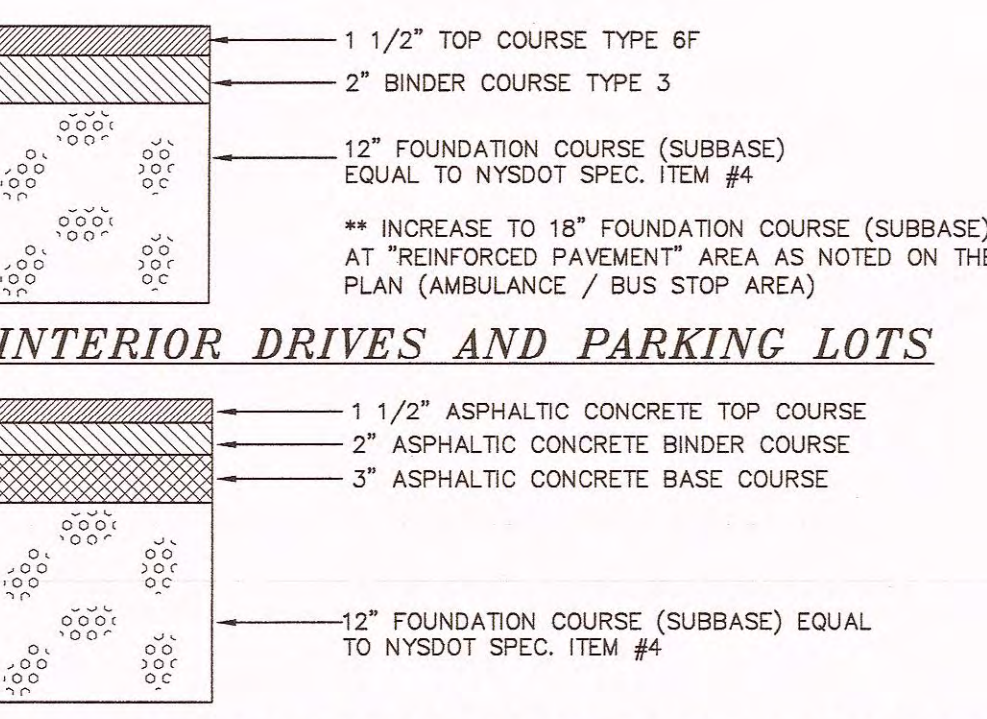
TRENCH EXCAVATION AND BACKFILL (UNDER EXISTING PAVEMENT)

NOT TO SCALE



CONCRETE CURB DETAIL (MOUNTABLE)

NOT TO SCALE

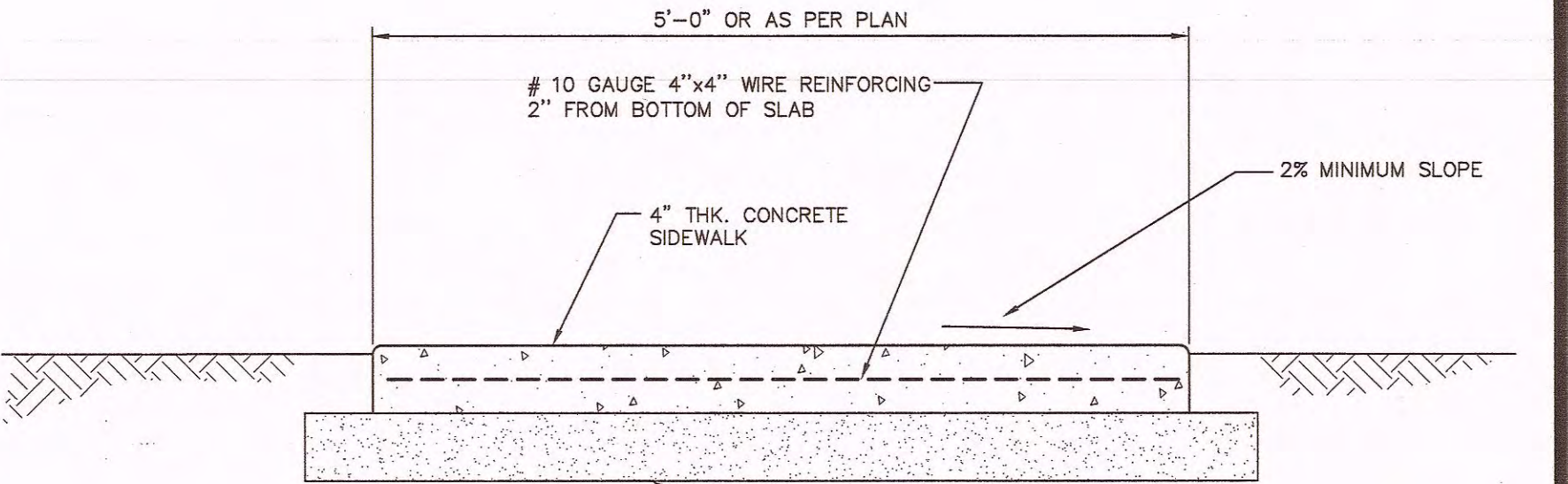


PAVEMENT WITHIN TOWN RIGHT-OF-WAY

NOTES:
 1. SUB BASE MATERIAL TO BE DRY AND FREE OF DEBRIS COMPACTED TO 90% MODIFIED PROCTOR DENSITY
 2. PROOF ROLLING REQUIRED TO VERIFY NO MEASURABLE MOVEMENT IN SUBGRADE "PUMPING"

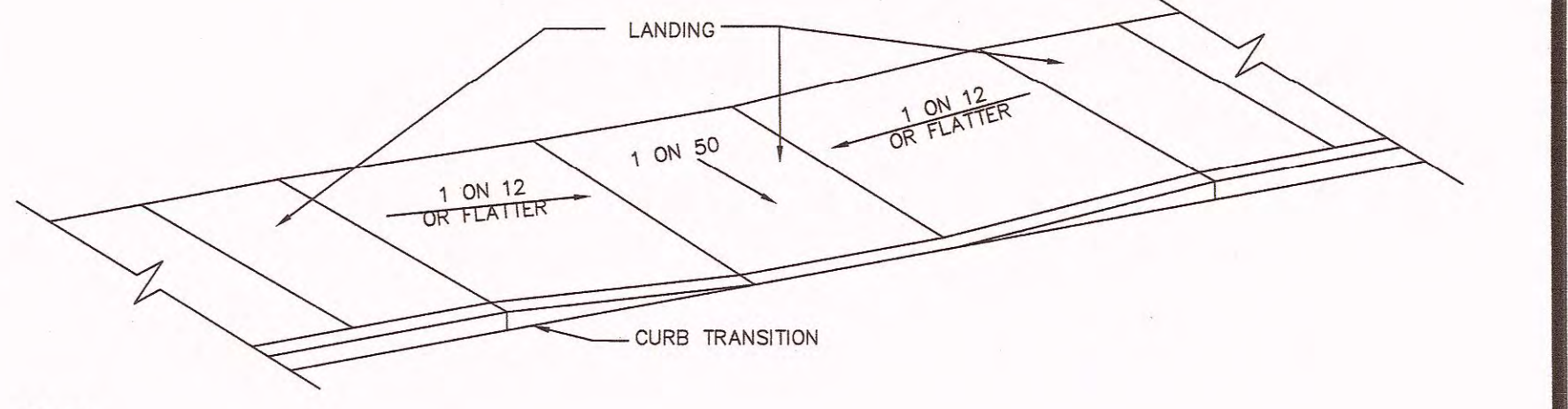
PAVEMENT SECTIONS

NOT TO SCALE



STANDARD SIDEWALK DETAIL

NOT TO SCALE



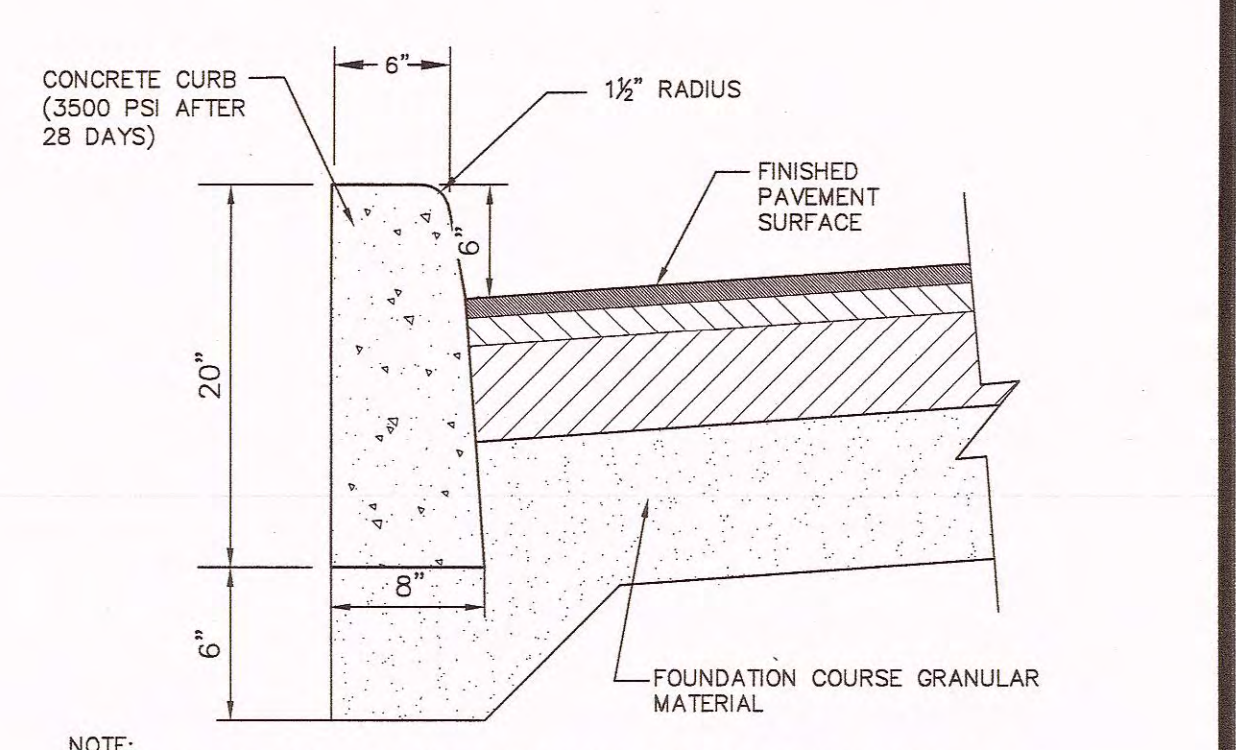
CURB RAMP DETAIL

NOT TO SCALE

NOTES:
 1. FIELD CONDITIONS AT INDIVIDUAL LOCATIONS MAY REQUIRE SPECIFIC DESIGNS. DESIGNS MUST BE CONSISTENT WITH THE PROVISIONS OF THIS SHEET AND AS REQUIRED BY THE AMERICAN'S WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES.
 2. CROSS SLOPES, THE MAXIMUM CROSS SLOPE OF CURB RAMP SHALL BE 2 PERCENT. CURB RAMP SURFACES SHALL GENERALLY LIE IN CONTINUOUS PLANES WITH A MINIMUM OF SURFACE WARP.
 3. THE RUNNING GRADE OF CURB RAMP SHOULD BE AS FLAT AS PRACTICABLE. THE MAXIMUM RUNNING GRADE OF ANY PORTION OF ANY CURB RAMP SHALL BE 1:12 (8.3%). CURB RAMP ARE NOT REQUIRED TO BE LONGER THAN 15'.
 4. CURB RAMP LOCATED WHERE PEDESTRIANS MAY WALK ACROSS THE CURB HEIGHT MEASURED ALONG THE CURB LINE. THE LENGTH OF THE FLARES SHALL BE AT LEAST TEN (10) TIMES THE CURB HEIGHT, MEASURED ALONG THE CURB LINE. WHEN INFEASIBLE OR IMPRACTICABLE TO PROVIDE A LANDING THAT IS AT LEAST 60" WIDE (MEASURED FROM THE TOP OF THE RAMP TO THE BACK OF THE SIDEWALK), THE LENGTH OF THE FLARES SHALL BE TWELVE (12) TIMES THE CURB HEIGHT MEASURED ALONG THE CURB LINE.
 5. THE SURFACE OF ALL CURB RAMP SHALL BE STABLE, FIRM AND SLIP RESISTANT. A COARSE BROOM FINISH RUNNING PERPENDICULAR TO THE SLOPE IS RECOMMENDED ON CONCRETE RAMP SURFACES.
 6. RAMP TRANSITIONS BETWEEN WALKS, GUTTERS, OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT VERTICAL CHANGES (1/4" MAX.).

CONCRETE CURB WITH UNDERDRAIN

NOT TO SCALE



CONCRETE CURB

NOT TO SCALE

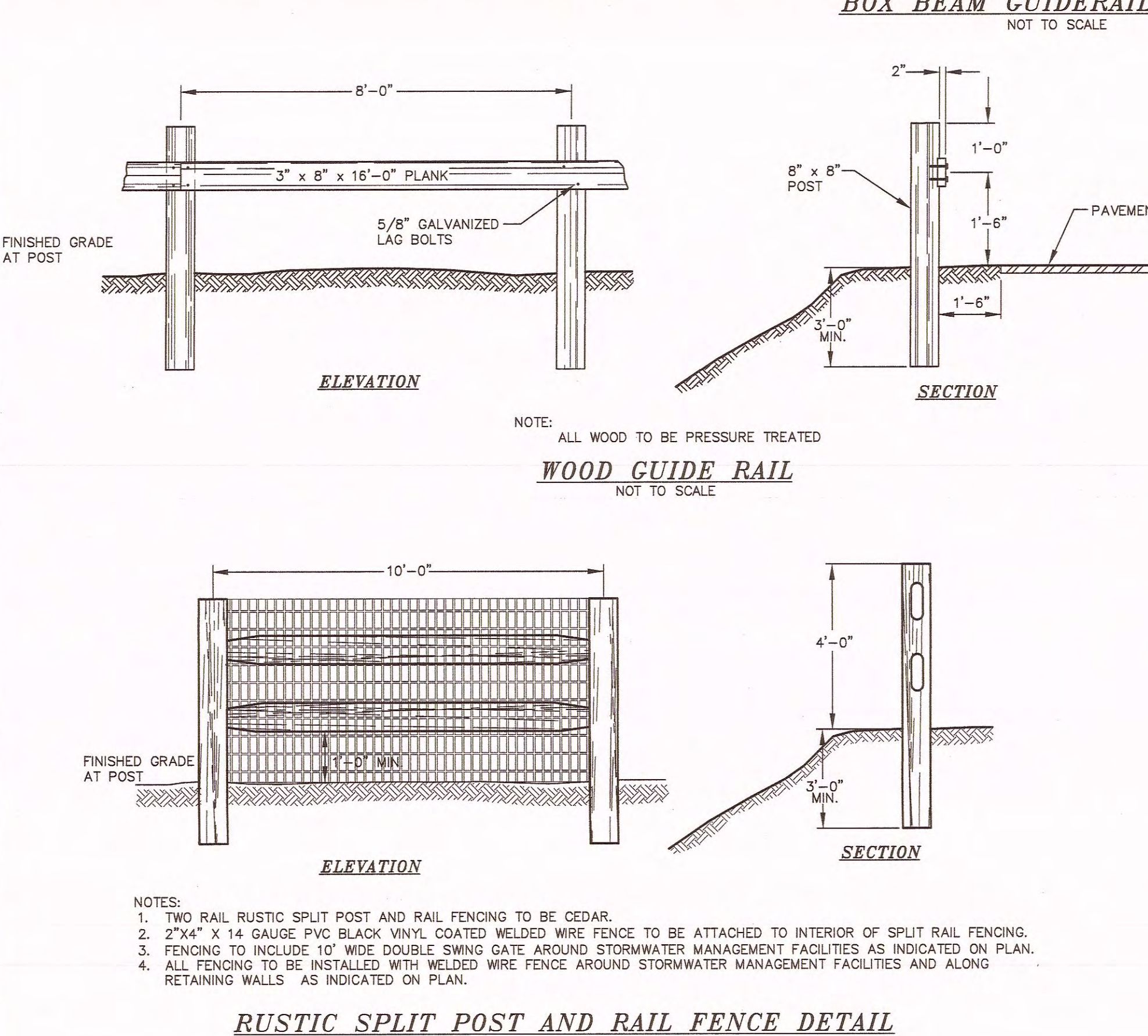
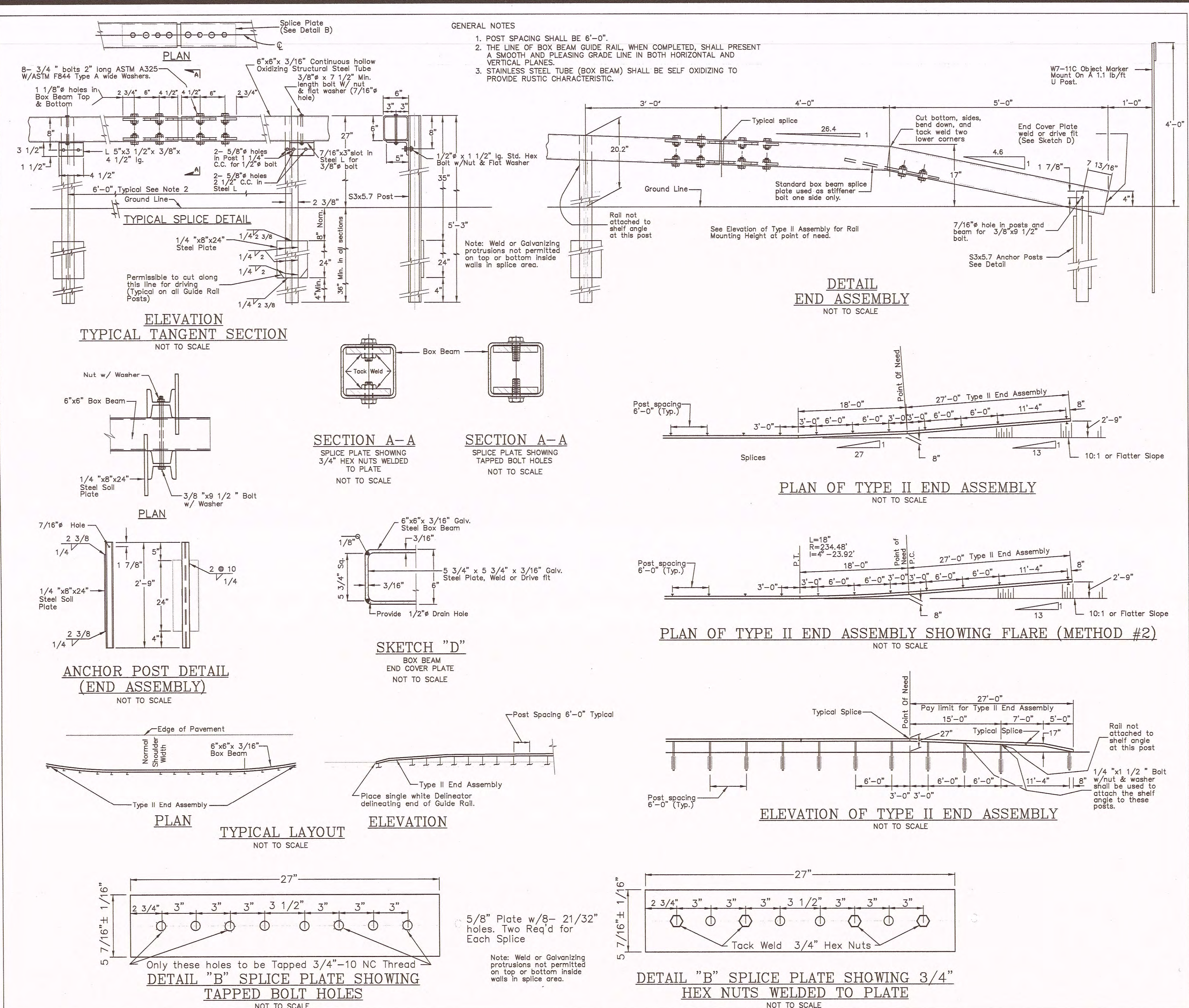
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 ENGINEERING AND SURVEYING, P.C.
 P.O. Box 887, Rt. 207
 Goshen, N.Y. 10924
 (845) 294-8700

DATE: DECEMBER 10, 2013
 DRAWING: CONSTRUCTION DETAILS
 SHEET 1 OF 2

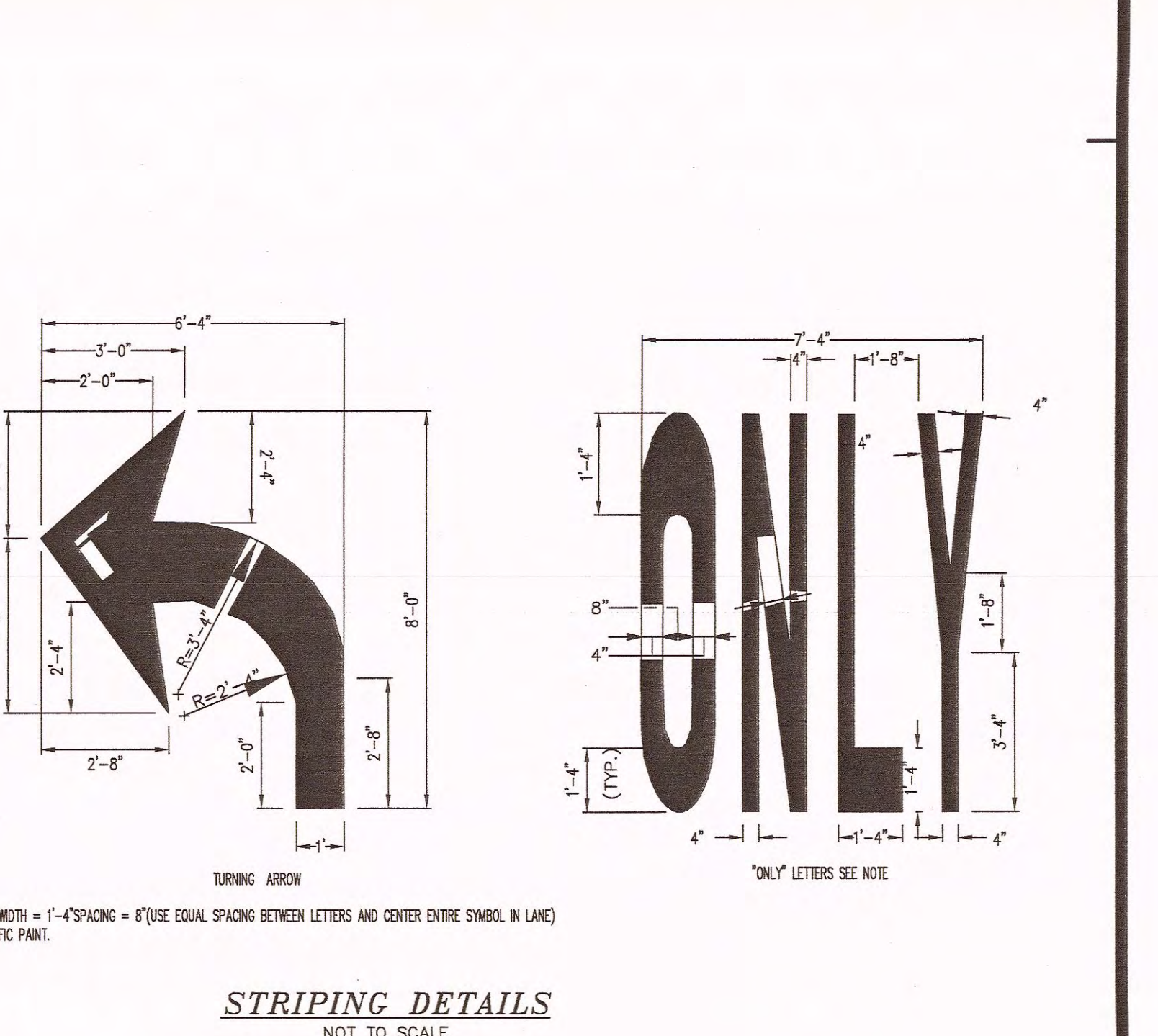
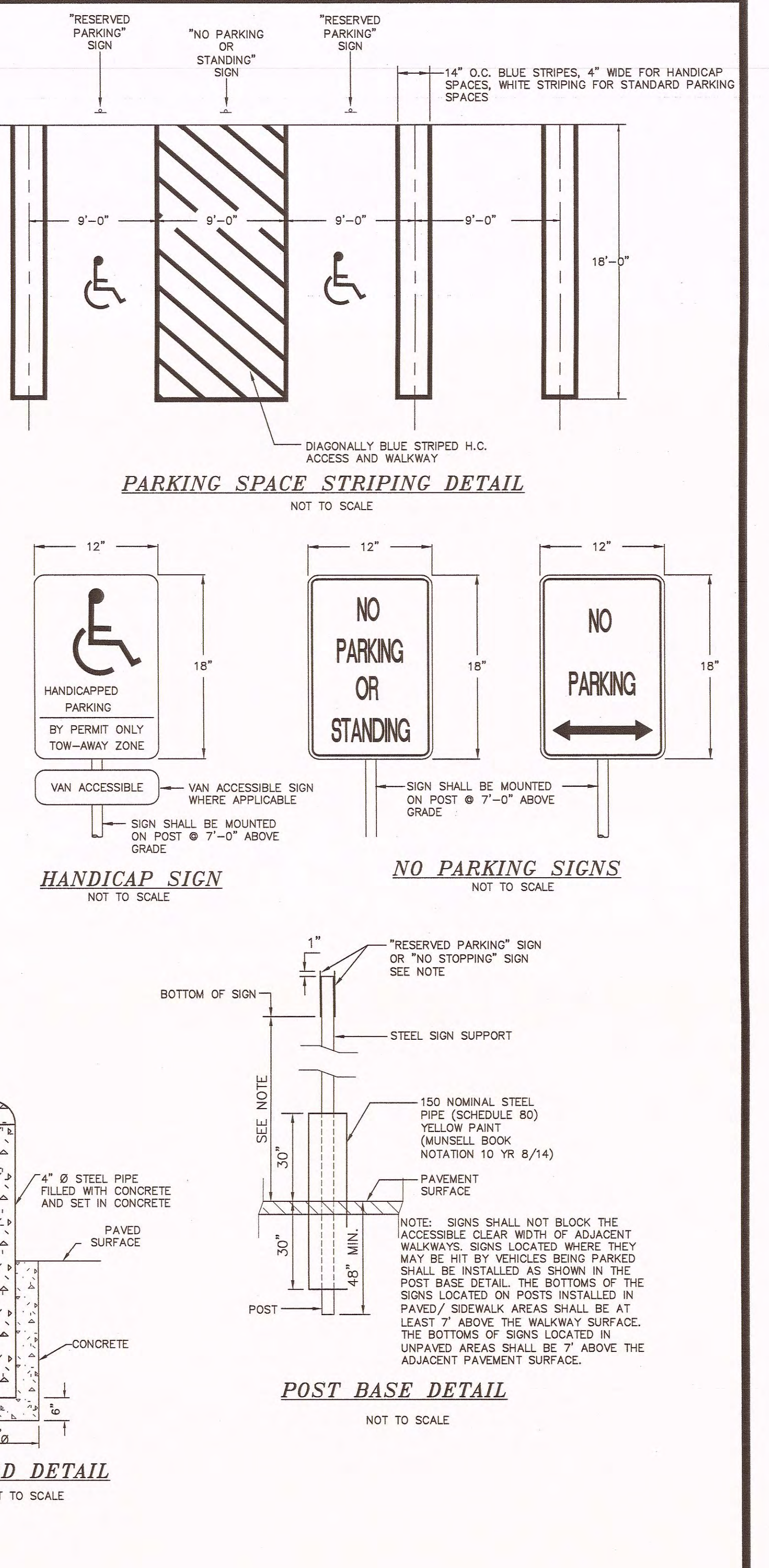
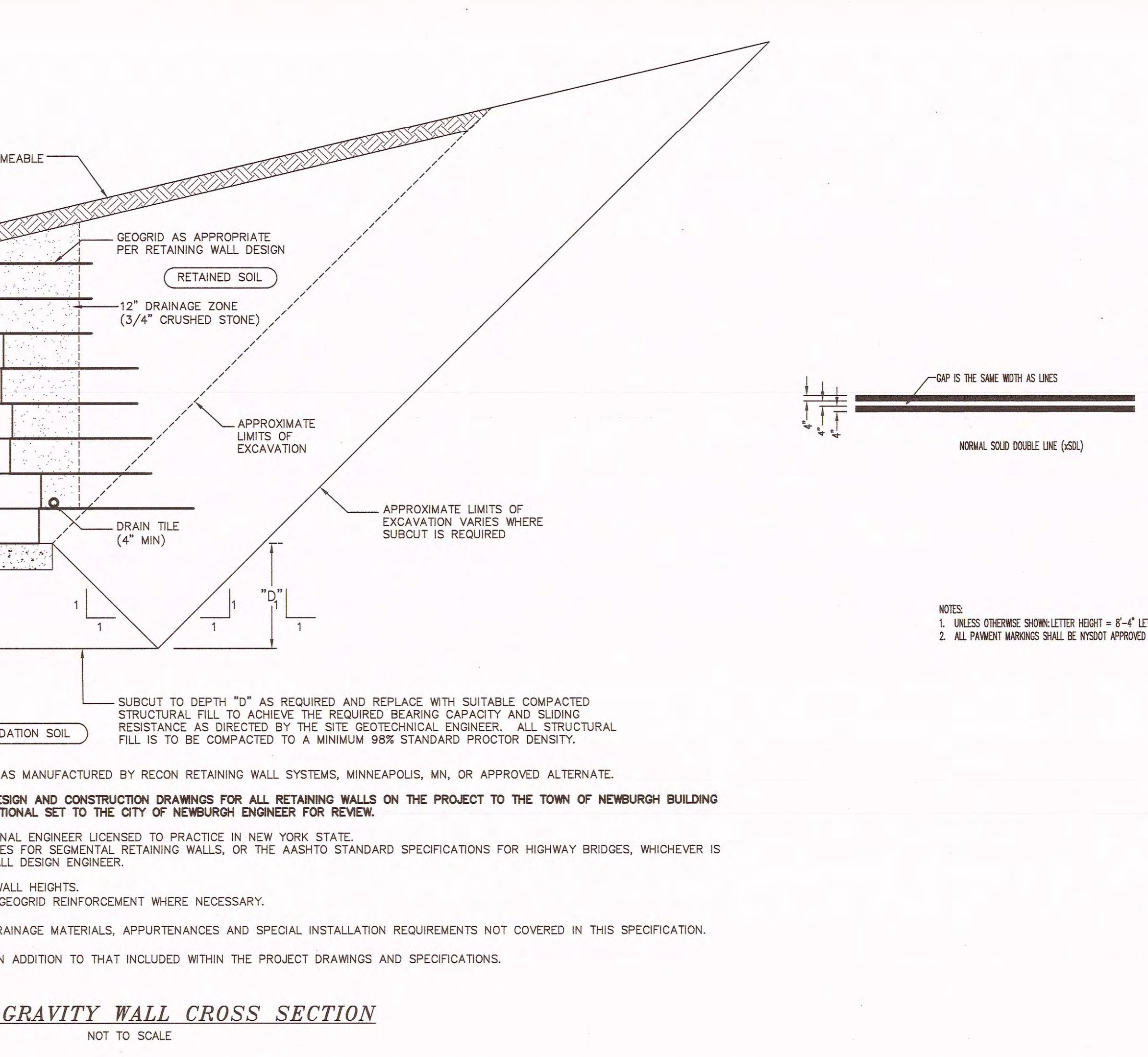
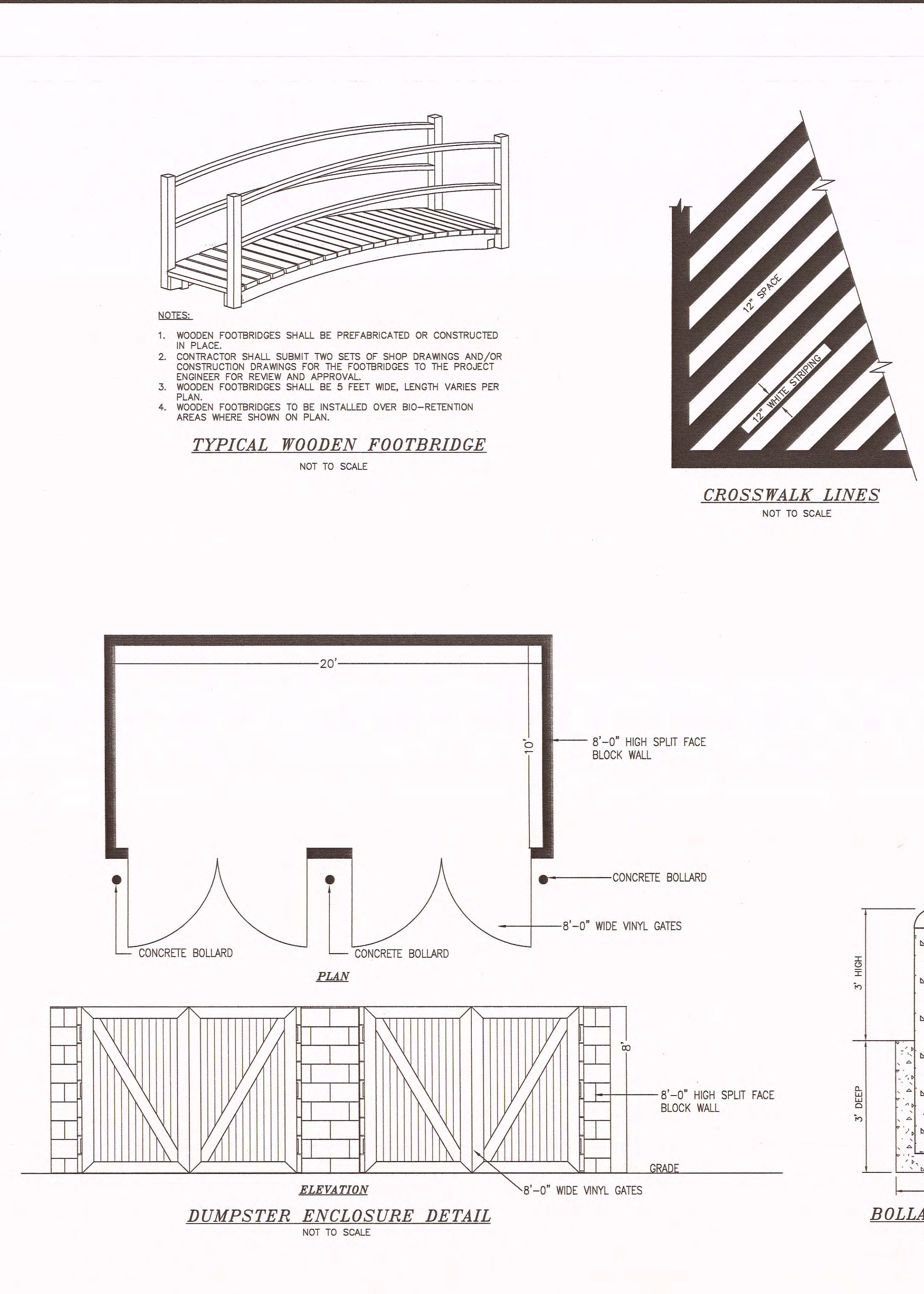
CRH REALTY VIII, LLC
 TOWN OF NEWBURGH
 ORANGE COUNTY, NEW YORK

Drawn By: dmk
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 Scale: 1" = 1'-0"
 Date: 8/28/14
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CONSTRUCTION DETAILS
SHEET 2 OF 2

CRH REALTY VIII, LLC

TOWN OF NEWBURGH
ORANGE COUNTY, NEW YORK

DATE: DECEMBER 10, 2013
REVISION: DECEMBER 13, 2013
MARCH 6, 2014
MARCH 26, 2014

Drawn By: dmik
Checked By: NTS
Scale: 1"=10'-0"
Date: 12-10-13