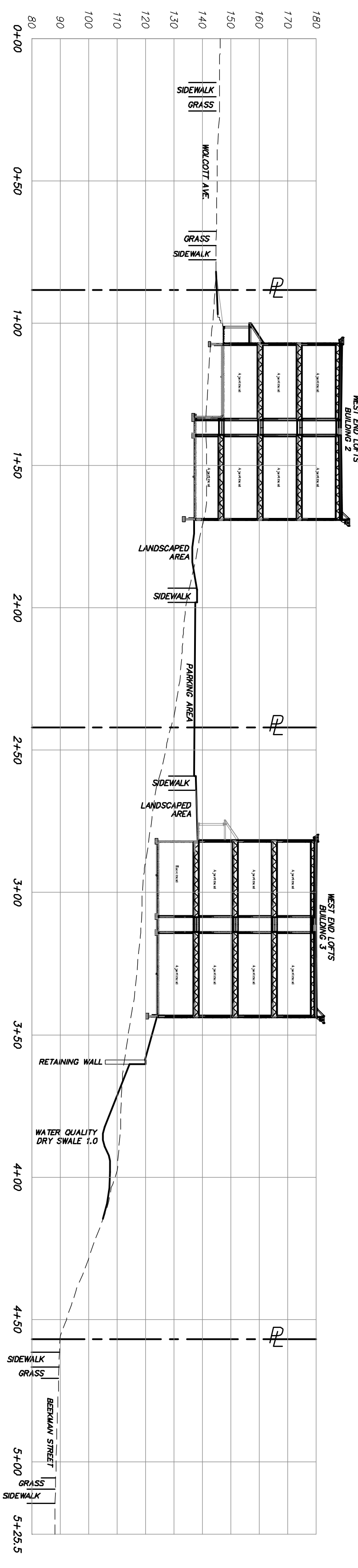
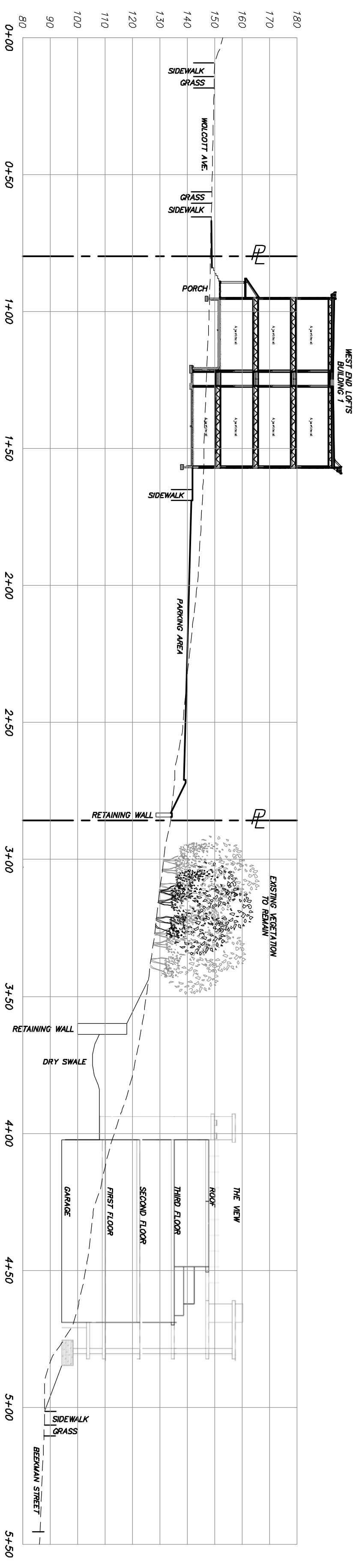


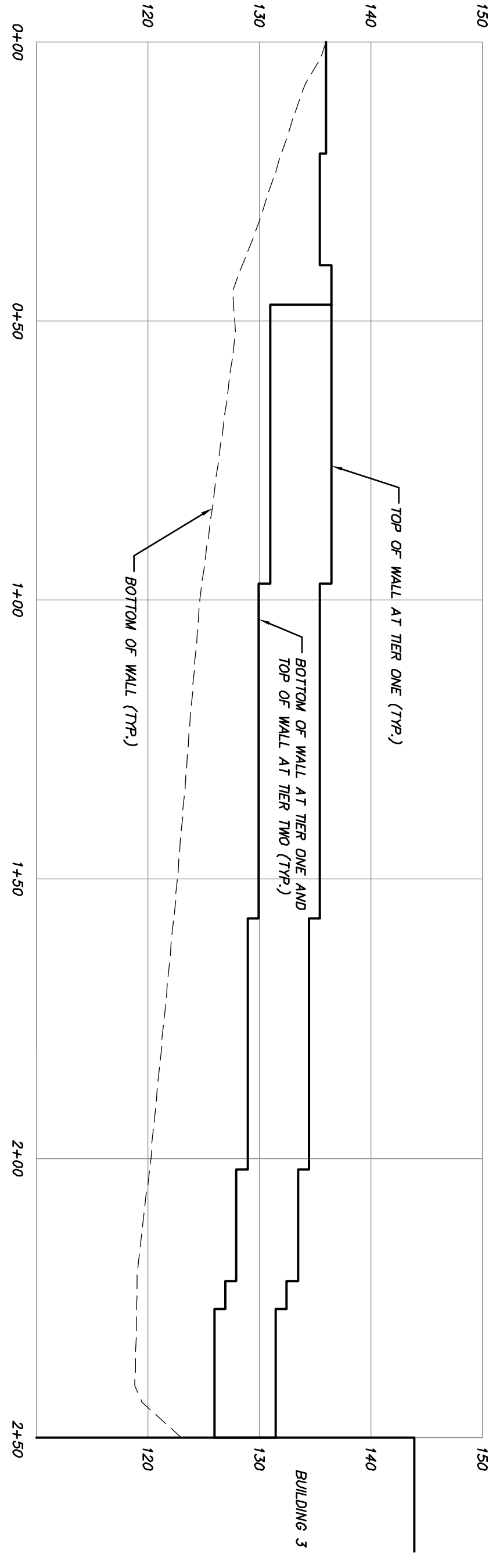
MAP
SCALE: 1" = 50'



SECTION A-A (1)
SCALE: 1" = 30'



SECTION B-B (1)
SCALE: 1" = 30'



PROPOSED RETAINING WALL #1
ELEVATION LOOKING SOUTH
SCALE: 1" = 20' HORIZ
SCALE: 1" = 10' VERT

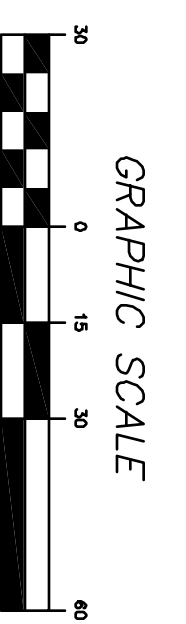
NO.	DATE	REVISIONS PER CITY CONSULTANT COMMENTS	BY
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4	6-27-17	REVISIONS PER CITY CONSULTANT COMMENTS	JLL
3	5-30-17	REVISIONS PER CITY CONSULTANT COMMENTS	CTO
2	4-25-17	REVISIONS PER CITY CONSULTANT COMMENTS	CTO
1	3-29-17	REVISIONS PER CITY CONSULTANT COMMENTS	CTO

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LANDSCAPE ARCHITECTURE P.C.
3 Garrett Place
Garrett, NY 14802
(845) 225-9177 fax
www.insite-ny.com

PROJECT: WEST END LOFTS
DRAWING: SECTIONS
WOLCOTT AVENUE, BEACON, NEW YORK 12508

PROJECT NUMBER	PROJECT MANAGER	J.L.C.	DRAWING NO.
16226.100	J.L.C.		8
DATE	DRAWN BY	C.T.O.	SHEET
1-24-17	J.L.L.		14
SCALE	AS SHOWN BY	J.L.L.	

ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.



ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7809 OF ARTICLE 1745 OF THE EDUCATION LAW.

D-Series Size 0 LED Area Luminaire

Specifications

EPK	0.6/1.0
Height	2.0'
Width	0.6'
Weight	1.7'
Material	1.2"

Introduction

The modern styling of the D-Series is striking yet understated - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series stole the benefits of the latest in LED technology and a high performance, high energy performance results in size with excellent, uniformly greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with up to 400W LED in a 100,000 hour expected service life of over 100,000 hours.

MRP LED LED Area Luminaire

Specifications

EPK	1.1/3.0
Height	6.5'
Overall Height	32'
Overall Diameter	14.5"
Weight	37.5 lbs

Introduction

The MRP family of luminaires blends a traditional round design with contemporary, low-variety of applications.

The MRP LED combines the added in LED technology with the distinctive aesthetic of the MRP family for stylish, high-performance illumination. The MRP LED is ideal for applications with typical energy savings of 65% and expected service life of over 100,000 hours.

RV6 LED

Specifications

Aperture	5.514(113)
On-clip diam.	7.18(183)
Height	6.0(152)
Length	7.1(178)

Features & Specifications

FEATURES - High-tech design for excellent performance. High-quality housing with independent, integrated LED, high intensity discharge (HID) source. Compatible with 5.5' x 3' x 3' or 6' x 3' x 3' all suspended or on the ground from the front side without requiring any special mounting hardware. The RV6 LED is ideal for applications with typical energy savings of 65% and expected service life of over 100,000 hours.

INSTALLATION - The RV6 LED is designed for easy installation. The RV6 LED is designed for easy installation. The RV6 LED is designed for easy installation.

LEGEND

- PROPOSED PROPERTY LINE
- EXISTING CONCRETE CURB
- EXISTING TREE LINE
- EXISTING TREES
- EXISTING FENCE
- PROPOSED CURB
- PROPOSED EDGE OF SIDEWALK
- PROPOSED RETAINING WALL
- PROPOSED GUTTERWALL
- PROPOSED FENCE
- PROPOSED LIGHTS

LUMINAIRE SCHEDULE

Symbol	Qty	Catalog Number	Description	Lamp	Watts	Mounting Height
A	3	D5X0 LED 20C	D5X0 LED WITH 20 LEDs @ 700 MA, 3,000K, TYPE 3 MEDIUM OPTICS WITH HOUSE-SIDE SHEILD, DARK BRONZE COLOR AND FINISH	20 LEDS	72.0	20'-0"
B	3	D5X0 LED 20C	D5X0 LED WITH 20 LEDs @ 700 MA, 3,000K, TYPE 3 MEDIUM OPTICS, DARK BRONZE COLOR, MATEL FINISH	20 LEDS	72.0	20'-0"
C	12	MRP POST TOP LIGHT 42 LED	MRP POST TOP LIGHT 42 LEDS 520 MA 40V DRIVE MOUNT, DARK BRONZE COLOR AND FINISH DISTRIBUTION, DARK BRONZE COLOR AND FINISH	42 LED HALO LIGHT ENGINE	75.0	14'-0"
D	34	RV6 3000K 600L 120V CLEAR SEMI LED ROOFMOUNT	RV6 3000K 600L 120V CLEAR SEMI LED SPECIALLY FINISH	LED	10.0	10'-0"

LIGHT CONTOUR LEGEND

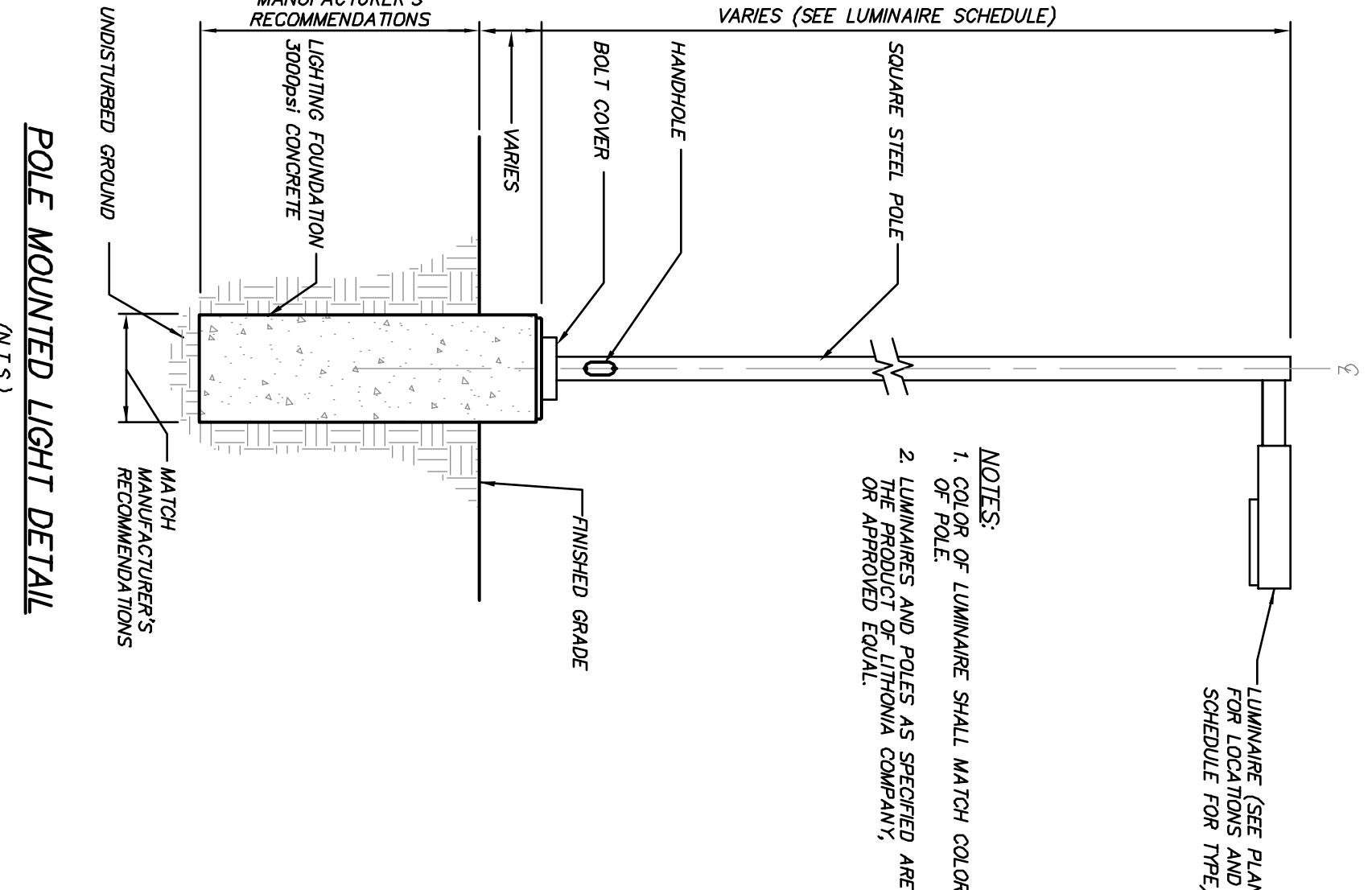
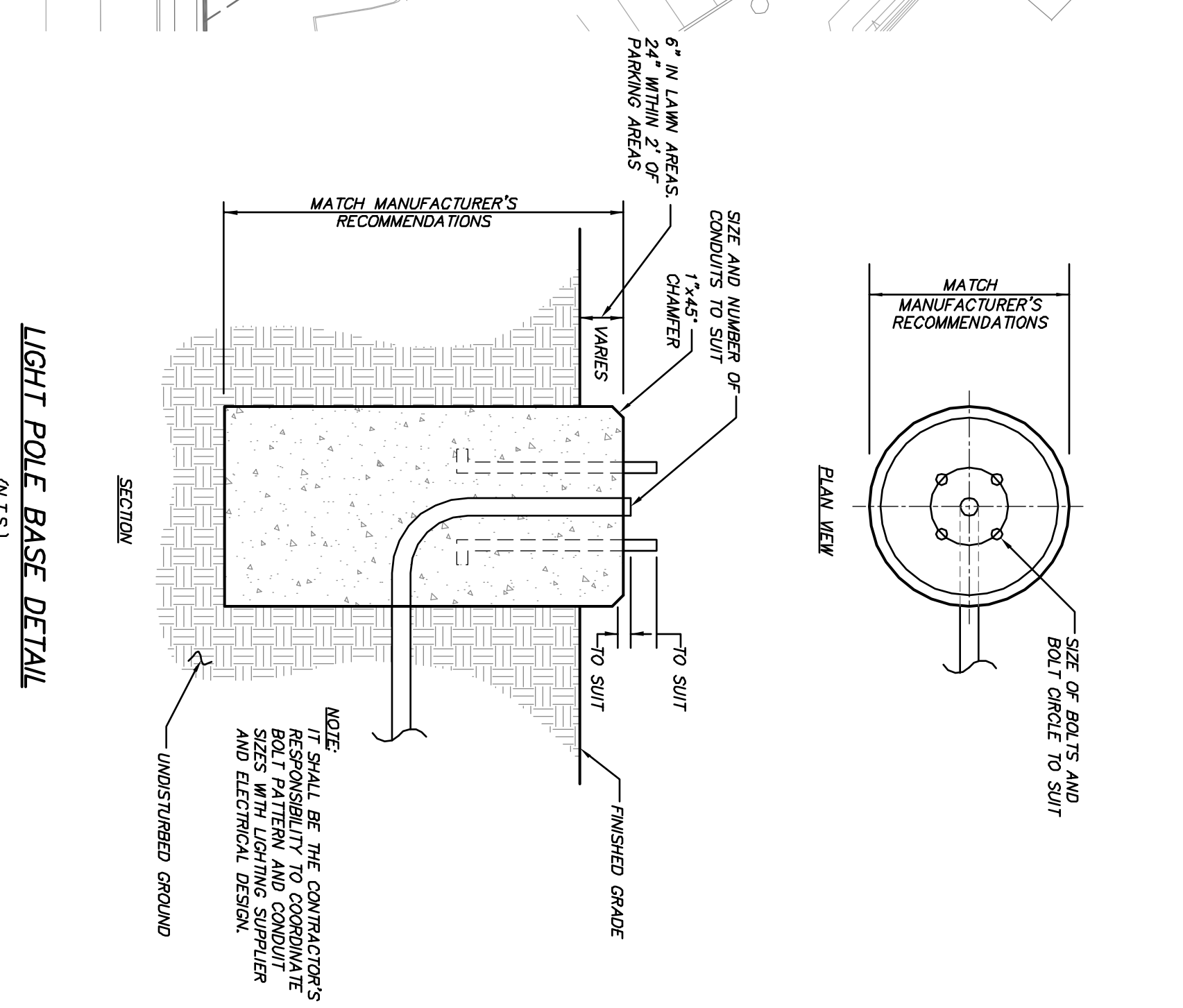
Symbol	Foot Candles
0.1	0.10 Foot Candles
0.5	0.50 Foot Candles
2	2.00 Foot Candles

* Photometric calculations shown on plan are in foot candles.

STATISTICS

DESCRIPTION	SYMBOL	AVG	MAX	MIN	AVG/MAX
Project Lighting		0.9 fc	8.8 fc	0.0 fc	1/8.8

- ### LIGHTING NOTES:
- All lighting shall be as noted on the plan or approved equal.
 - Style and finish of all luminaires and poles to be selected by owner.
 - Calculation values shown in this plan are taken on a horizontal plane at ground level using a 0.50 light loss factor for LEDs. Topographical information and landscaping have not been accounted for in these calculations.
 - All fixtures shall be shielded to prevent lighting of the night sky.



WEST END LOFTS

16226 BEACON, NEW YORK 12508

PROJECT: WEST END LOFTS

DRAWING: LIGHTING PLAN

PROJECT NUMBER: 16226.100

DATE: 1-30-17

SCALE: 1" = 30'

PROJECT MANAGER: DRAMW

DRAWN BY: C.T.O.

CHECKED BY: J.L.L.

PROJECT: WEST END LOFTS

ENGINEERING SURVEYING & LANDSCAPE ARCHITECTURE, P.C.

3 Garrett Place
Garrett, NY 14852
(849) 225-9177 fax
www.halc-eng.com

NO.	DATE	REVISION	BY
1	3-29-17	REVISIONS PER CITY CONSULTANT COMMENTS	C/D
2	4-26-17	REVISIONS PER CITY CONSULTANT COMMENTS	C/D
3	5-30-17	REVISIONS PER CITY CONSULTANT COMMENTS	J.L.
4	6-27-17	REVISIONS PER CITY CONSULTANT COMMENTS	J.L.
5	7-26-17	REVISIONS PER CITY CONSULTANT COMMENTS	E/G

PROJECT: WEST END LOFTS

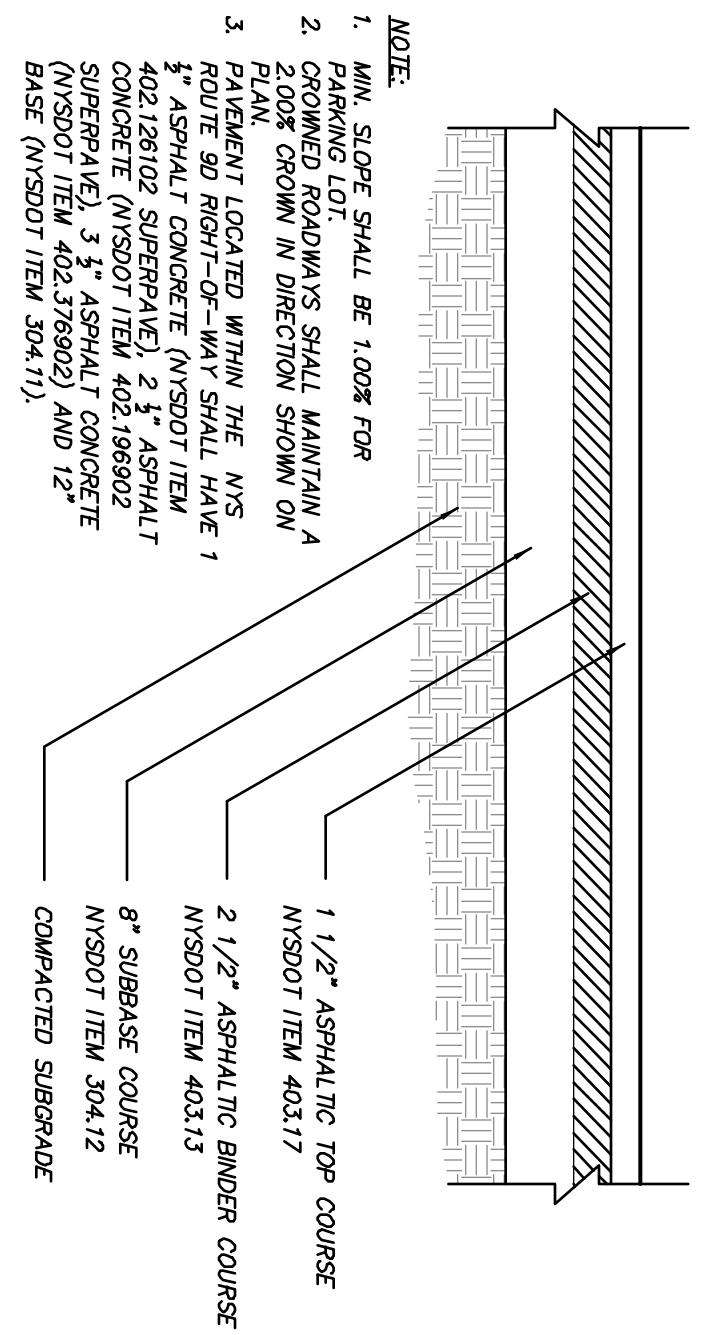
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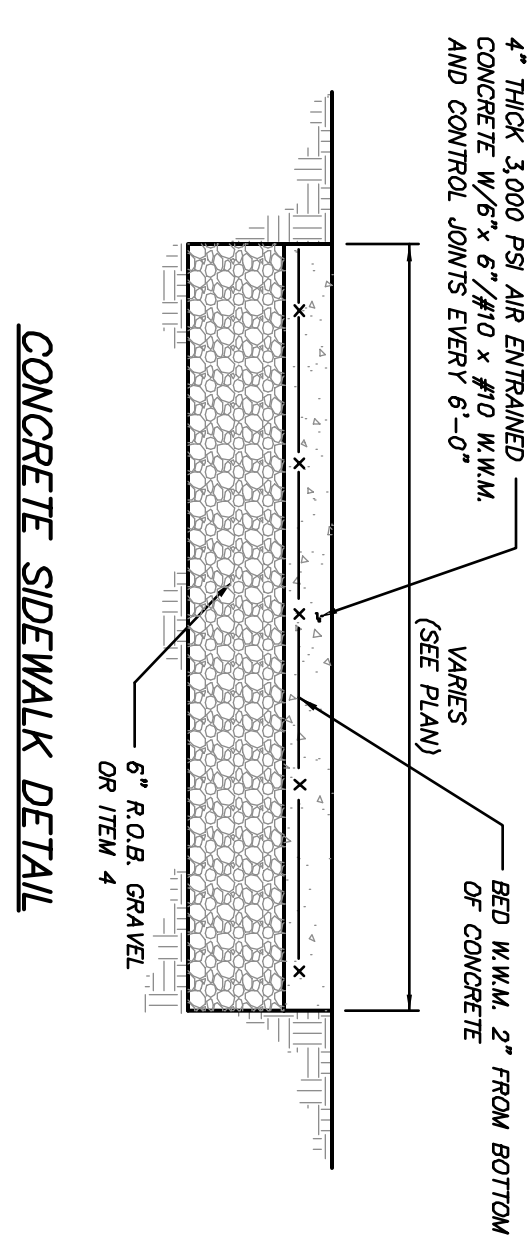
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SHEET: 9

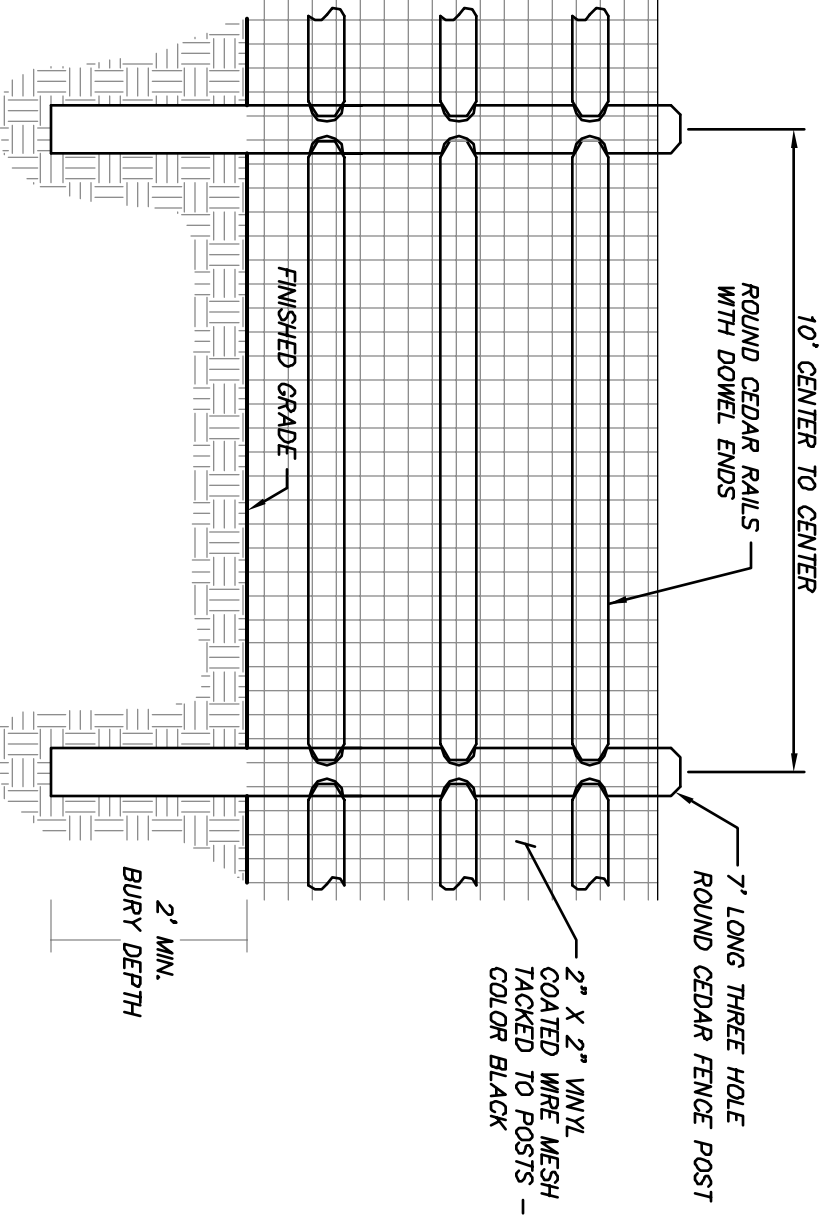
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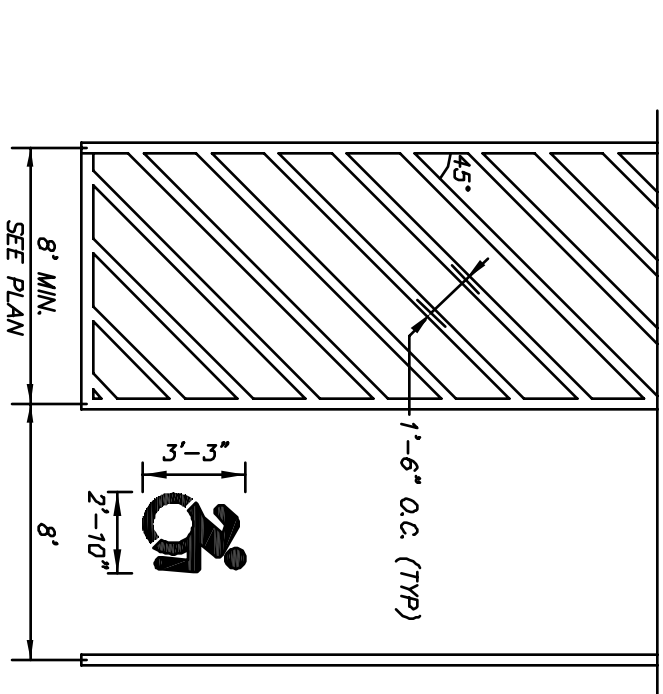
SITE PAVEMENT DETAIL
(N.T.S.)



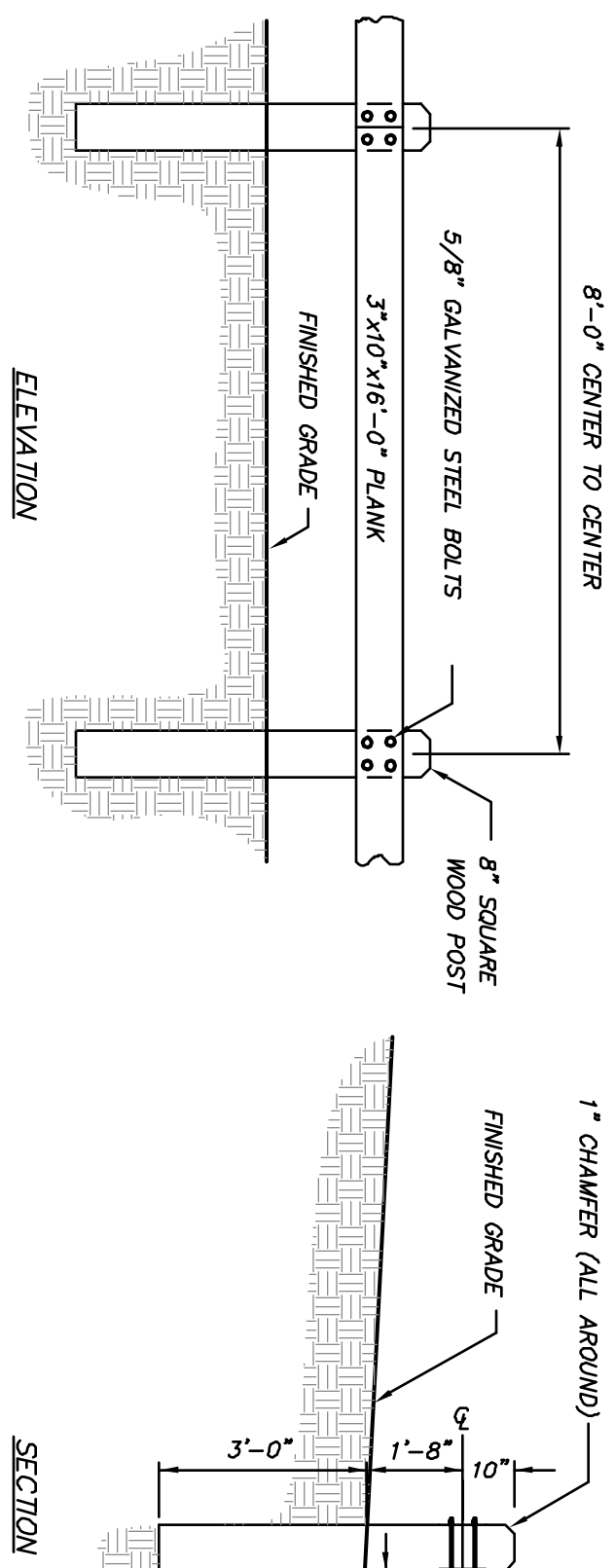
CONCRETE SIDEWALK DETAIL
(N.T.S.)



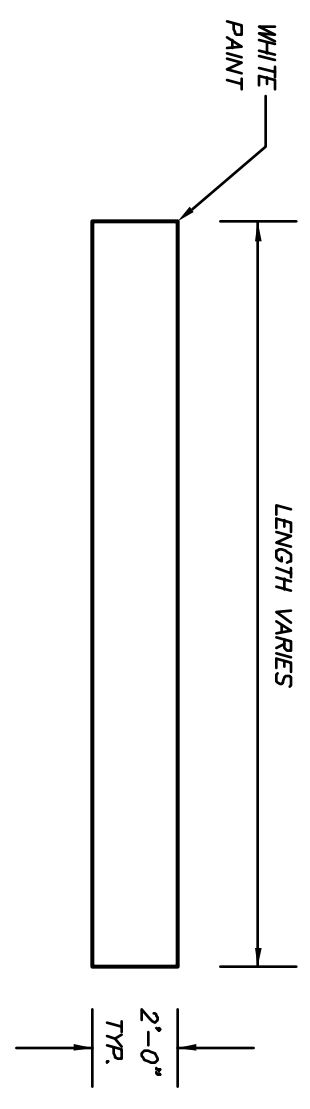
POST AND RAIL FENCE DETAIL
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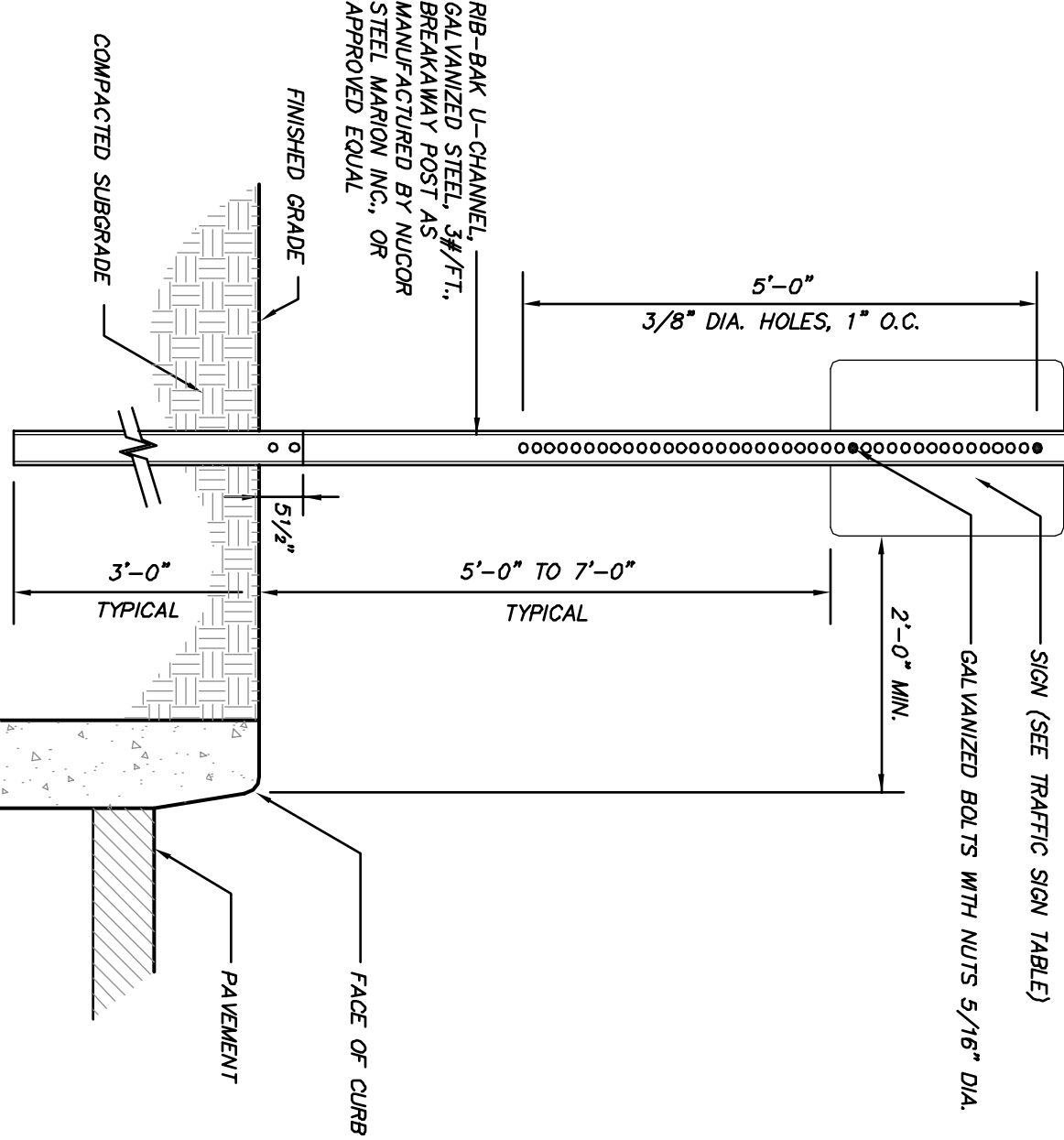
PAINTED ACCESSIBLE PARKING DETAIL
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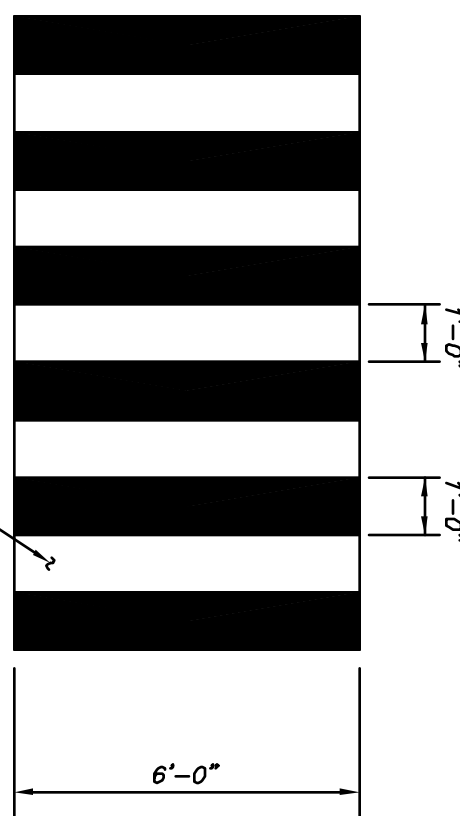
WOOD GUIDE RAIL DETAIL
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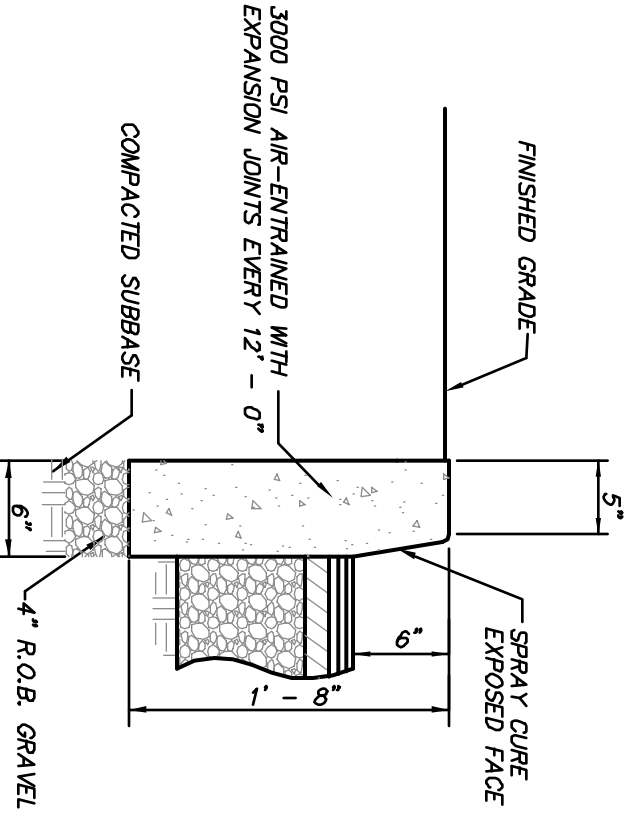
PAINTED STOP BAR DETAIL
(N.T.S.)



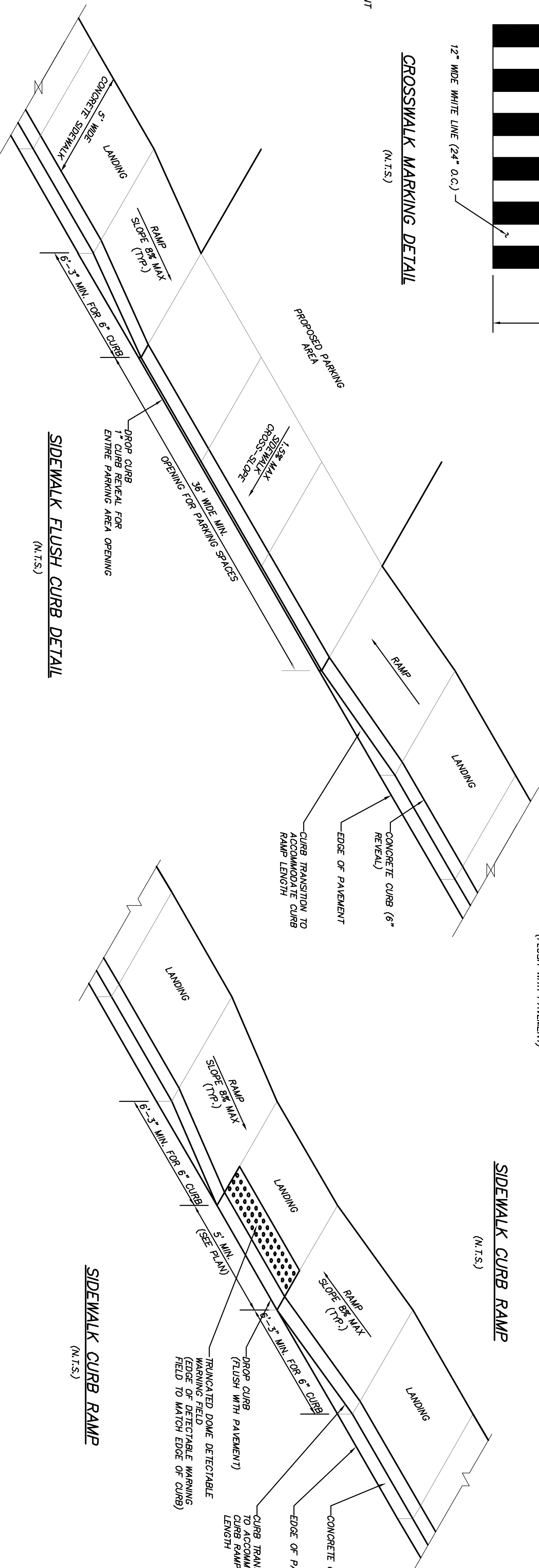
TRAFFIC SIGN DETAIL
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CROSSWALK MARKING DETAIL
(N.T.S.)

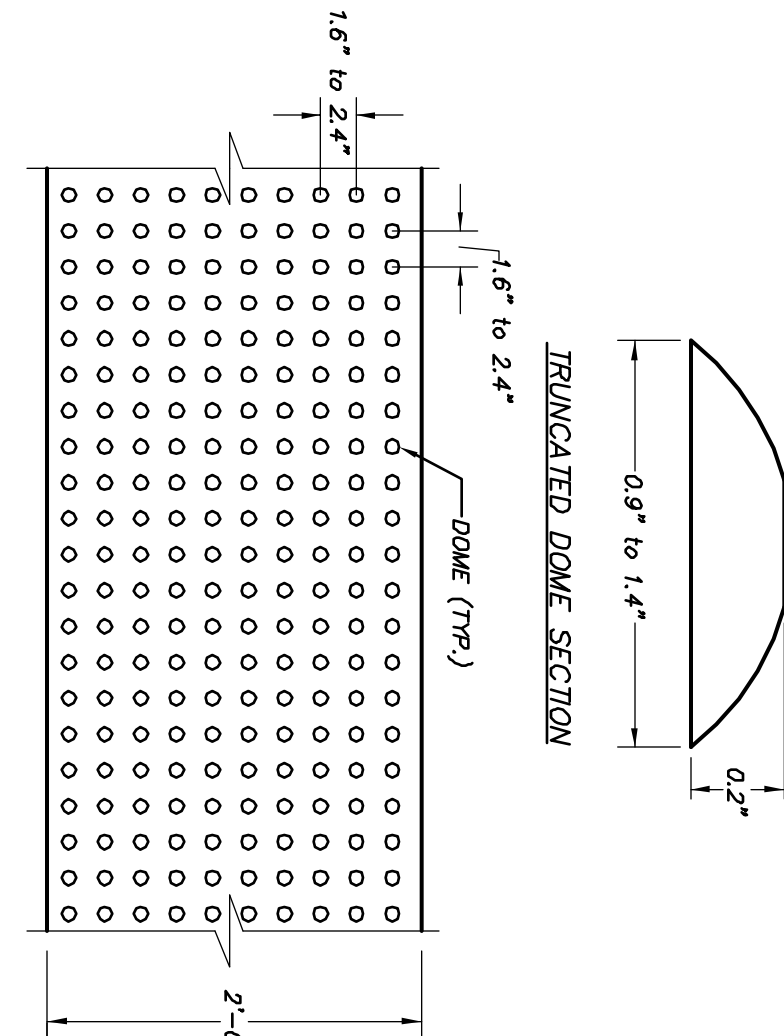


CONCRETE CURB DETAIL
(N.T.S.)



GENERAL NOTES FOR ACCESSIBLE ROUTES ON THE SITE:

1. Accessible routes on the site include marked accessible parking spaces and access aisles. Sidewalk curb ramps, stairs, and ramps.
2. Marked accessible parking spaces and access aisles shall have surface slopes not steeper than 1:50 (2%).
3. Sidewalk curb ramps shall comply with the following items as applicable:
 - a. Working surfaces of sidewalk curb ramps shall be stable, firm and slip resistant.
 - b. The cross slope shall not exceed 1:50 (2%).
 - c. Landings and transition areas shall be constructed to prevent the accumulation of water.
 - d. Where provided, side flares for curb ramps shall not be steeper than 1:10 (10%).
 - e. Where provided, side flares for curb ramps shall be fully contained within the markings, excluding any flared sides.
 - f. Landings shall be provided at the top of curb ramps. The clear length of the landing shall be a minimum of 48 inches (1219 mm) in the direction of travel, excluding any flared sides.
 - g. Where detectable warnings are provided on curb ramps, they shall be 24 inches minimum in depth in the direction of travel, shall extend the full width of the curb ramp or flush surface maximum from the curb line up to the top of the curb.
 - h. Where detectable warnings are provided on curb ramps, they shall be 24 inches minimum in depth in the direction of travel, shall extend the full width of the curb ramp or flush surface maximum from the curb line up to the top of the curb.
 - i. Refer to sidewalk curb ramp details for additional information.
4. Walkways along an accessible route shall comply with the following items as applicable:
 - a. Working surfaces shall be stable, firm and slip resistant.
 - b. Vertical changes in level along walking surface shall not exceed 1/4\"/>
5. Ramps along an accessible route shall comply with the following items:
 - a. Ramp runs shall have a running slope greater than 1:20 (5%) and not steeper than 1:12 (8.3%).
 - b. Cross slope of ramp runs shall not exceed 1:50 (2%).
 - c. Working surfaces of ramp runs and associated landings shall be stable, firm and slip resistant.
 - d. The clear width of a ramp run shall be 36 inches minimum or as shown. Handrails and width of the ramp run or associated landing.
 - e. The maximum rise for any ramp is 2'-6\"/>
6. The maximum run for any ramp is 30'-0\"/>
7. Ramps shall be constructed to have a vertical drop of 1/2\"/>
8. Ramps shall be constructed to have a vertical drop of 1/2\"/>
9. Ramps shall be constructed to have a vertical drop of 1/2\"/>
10. Refer to the edge of the concrete.

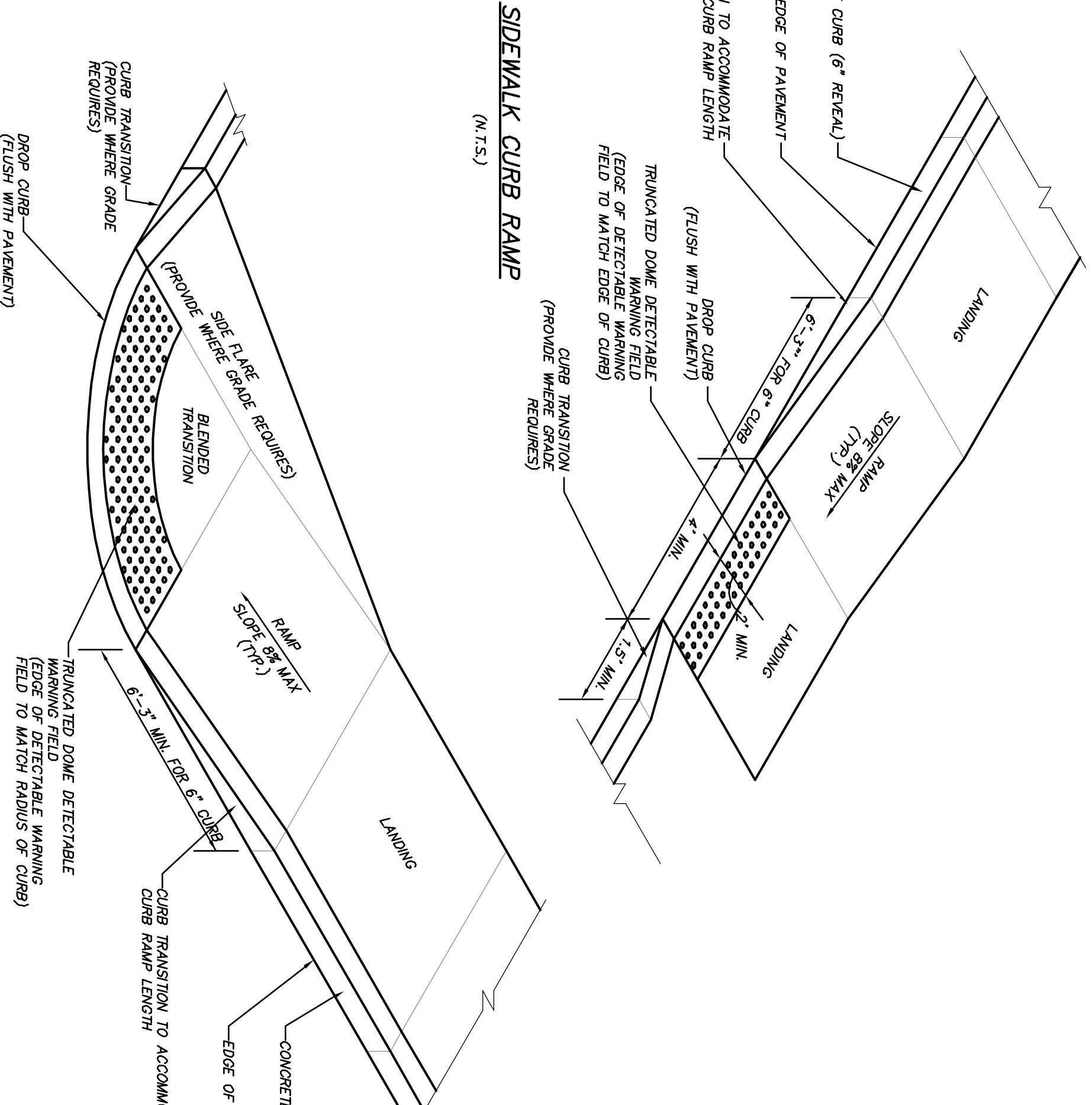


TRUNCATED DOME DETAIL
(N.T.S.)

TRUNCATED DOME DETECTABLE WARNING FIELD NOTES:

1. The detectable warning field shall consist of raised truncated domes with a nominal diameter of 0.9 inches, a nominal height of 0.2 inches, and a nominal spacing of 2.35 inches on center in accordance with the most recent version of ANSI ICC A117.1.
2. The details provided are not drawn to scale. The quantity of domes depends on the detectable warning field (the corner and the slope of the curb surface) to be installed on site.
3. The size of the detectable warning field shall be 24 inches in curb ramp or flush surface, exclusive of side flares of the curb ramp or flush surface.
4. Detectable warnings shall be located so that the edges of the field are 9 inches from the edge of the roadway/street, or from the front of the dropped curb, where a dropped curb continues across the bottom of the sidewalk curb ramp.
5. Domes shall be aligned on a square grid in the predominant direction of travel.
6. The detectable warning field shall be yellow.

SIDEWALK CURB RAMP
(N.T.S.)



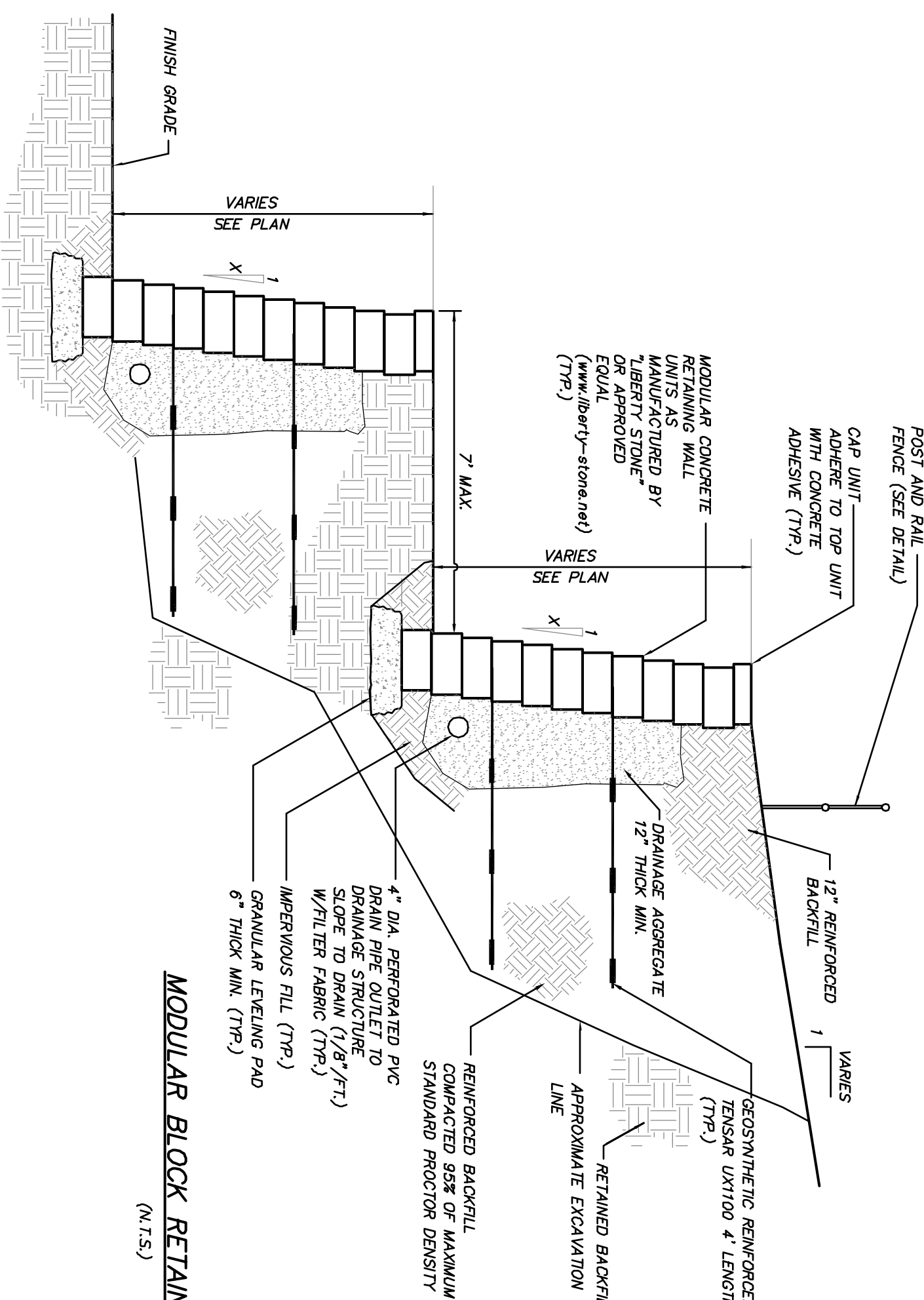
SIDEWALK CURB RAMP
(N.T.S.)

SIDEWALK CURB RAMP
(N.T.S.)

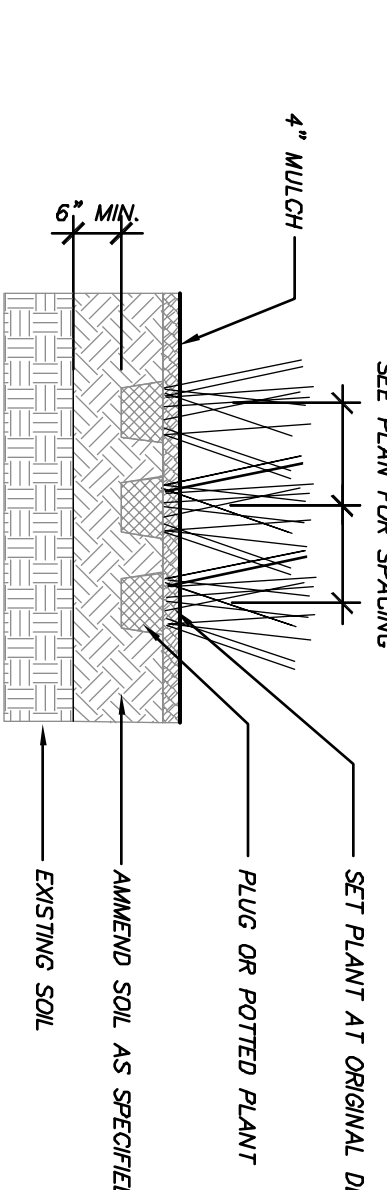
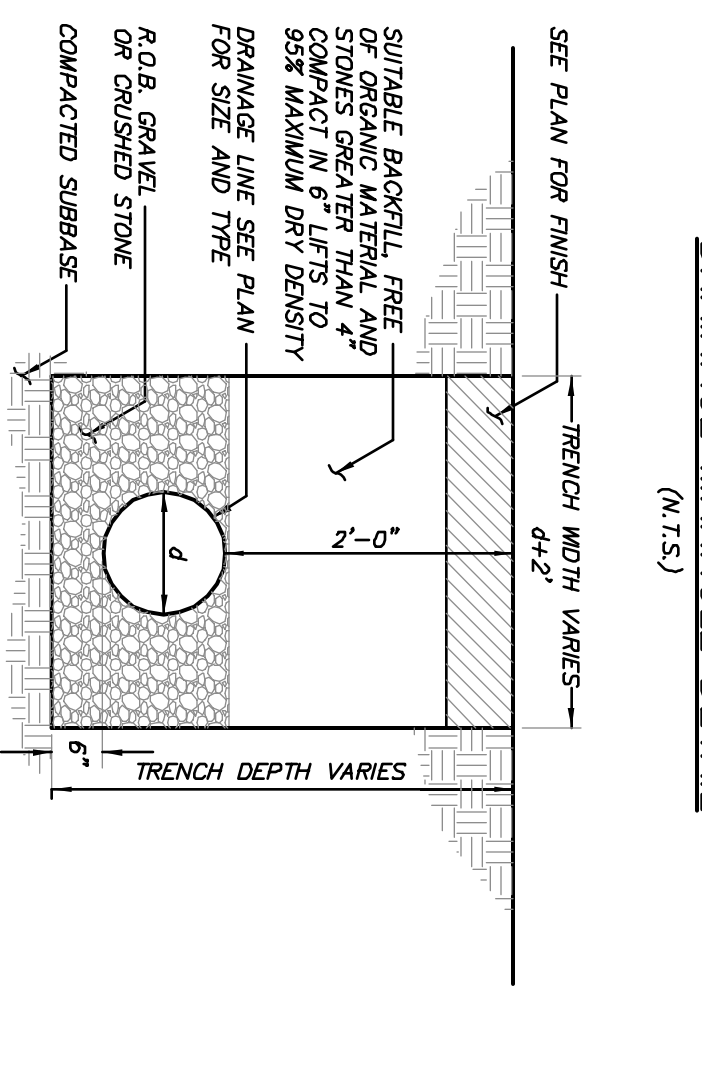
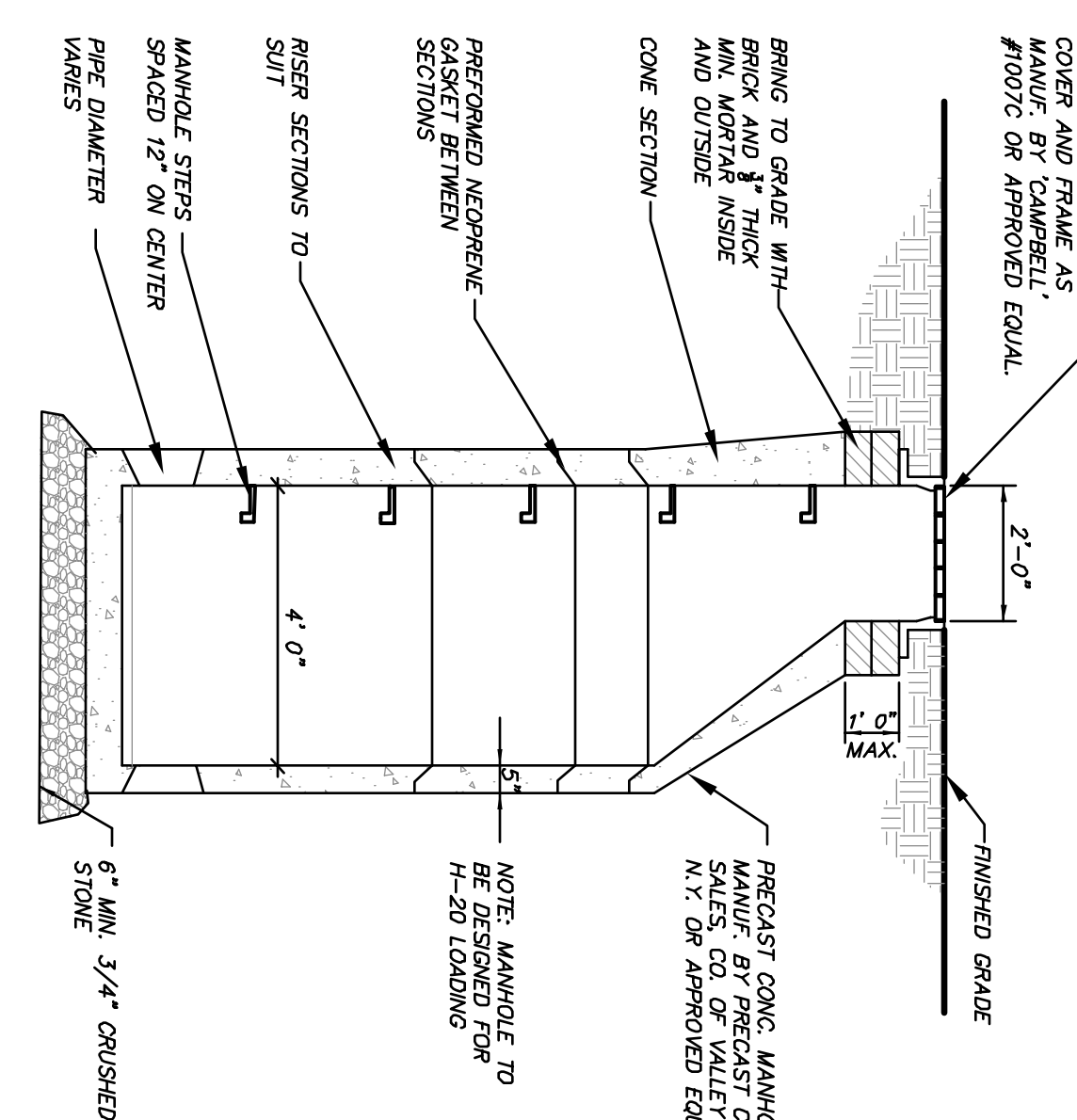
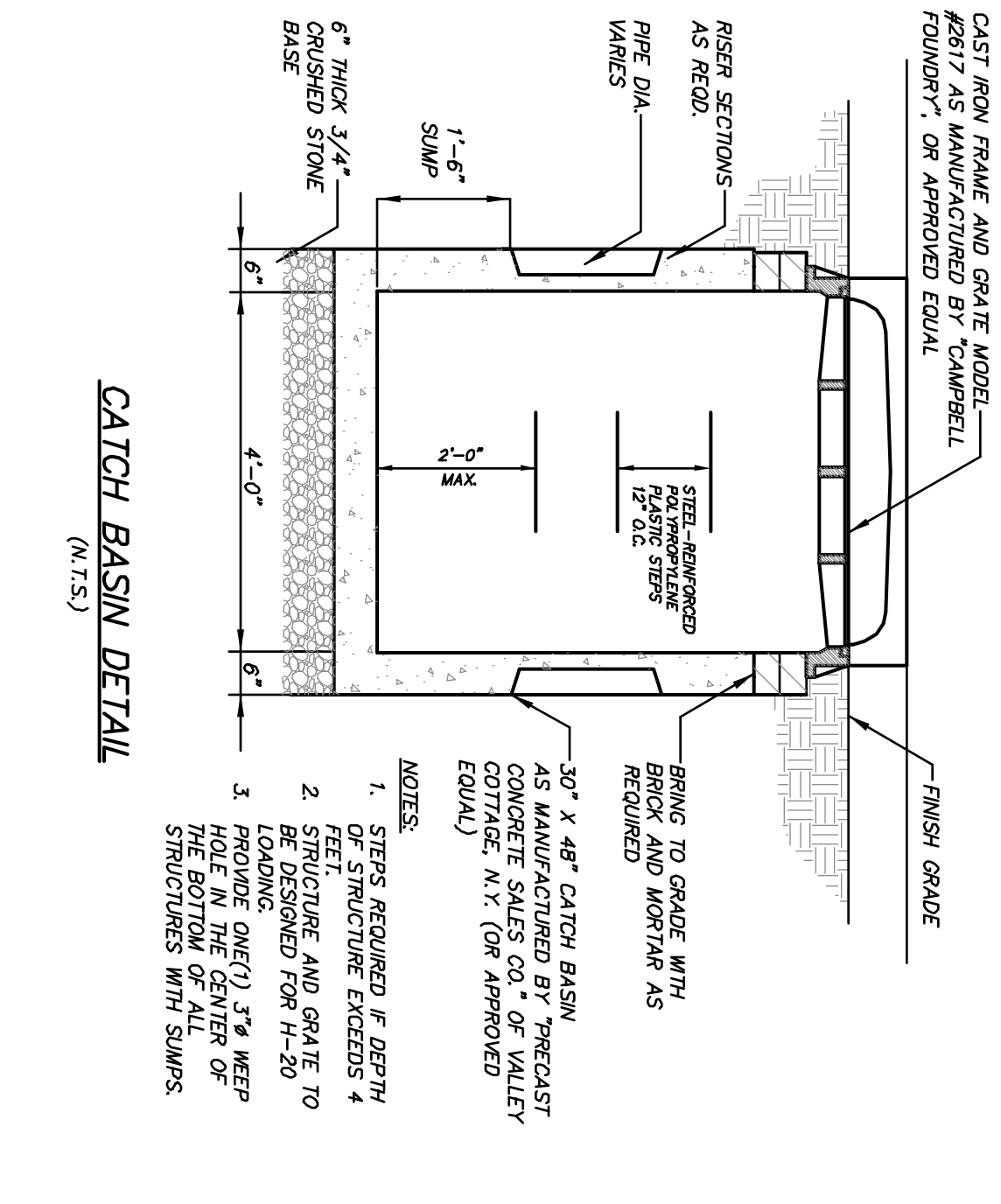
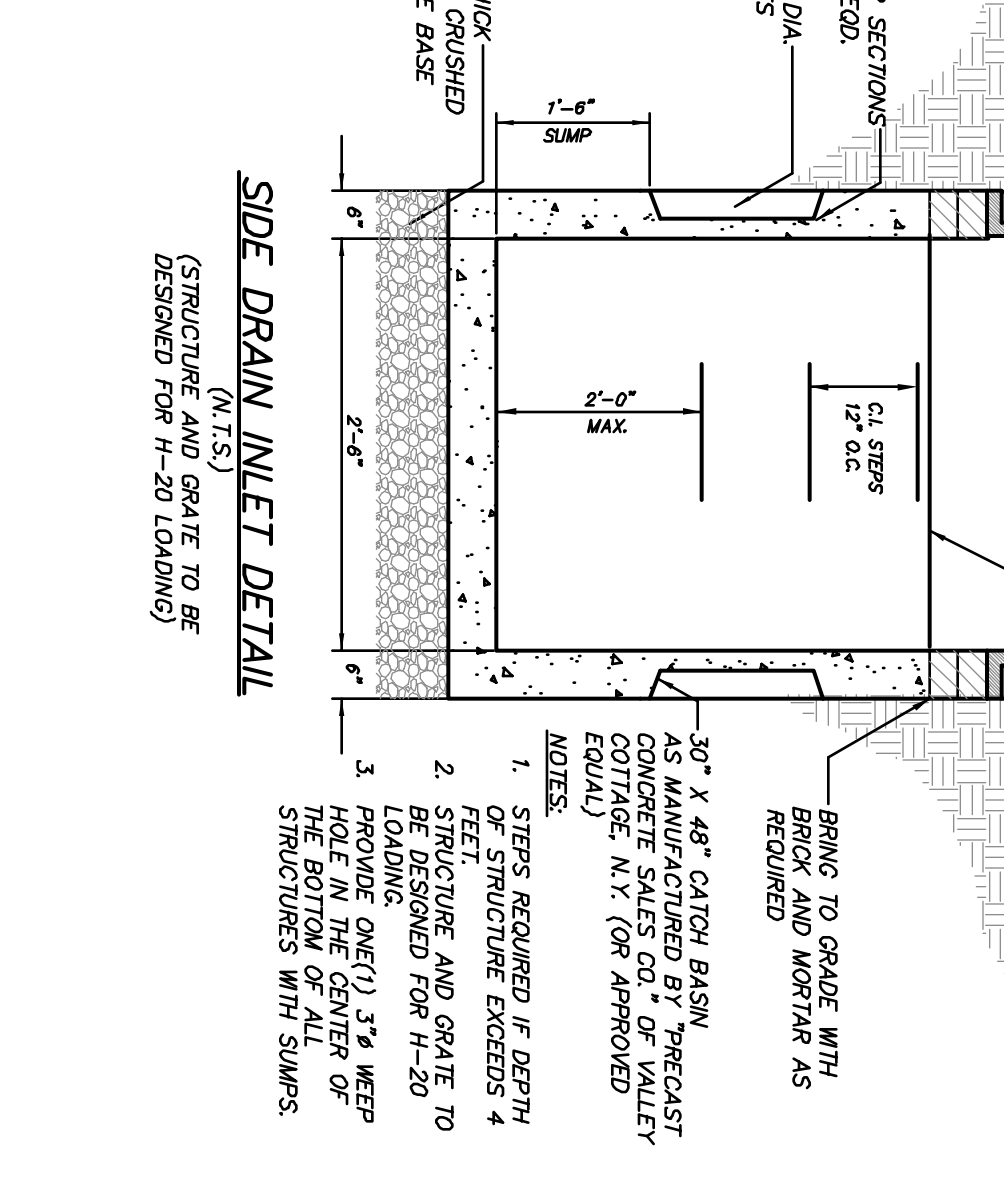
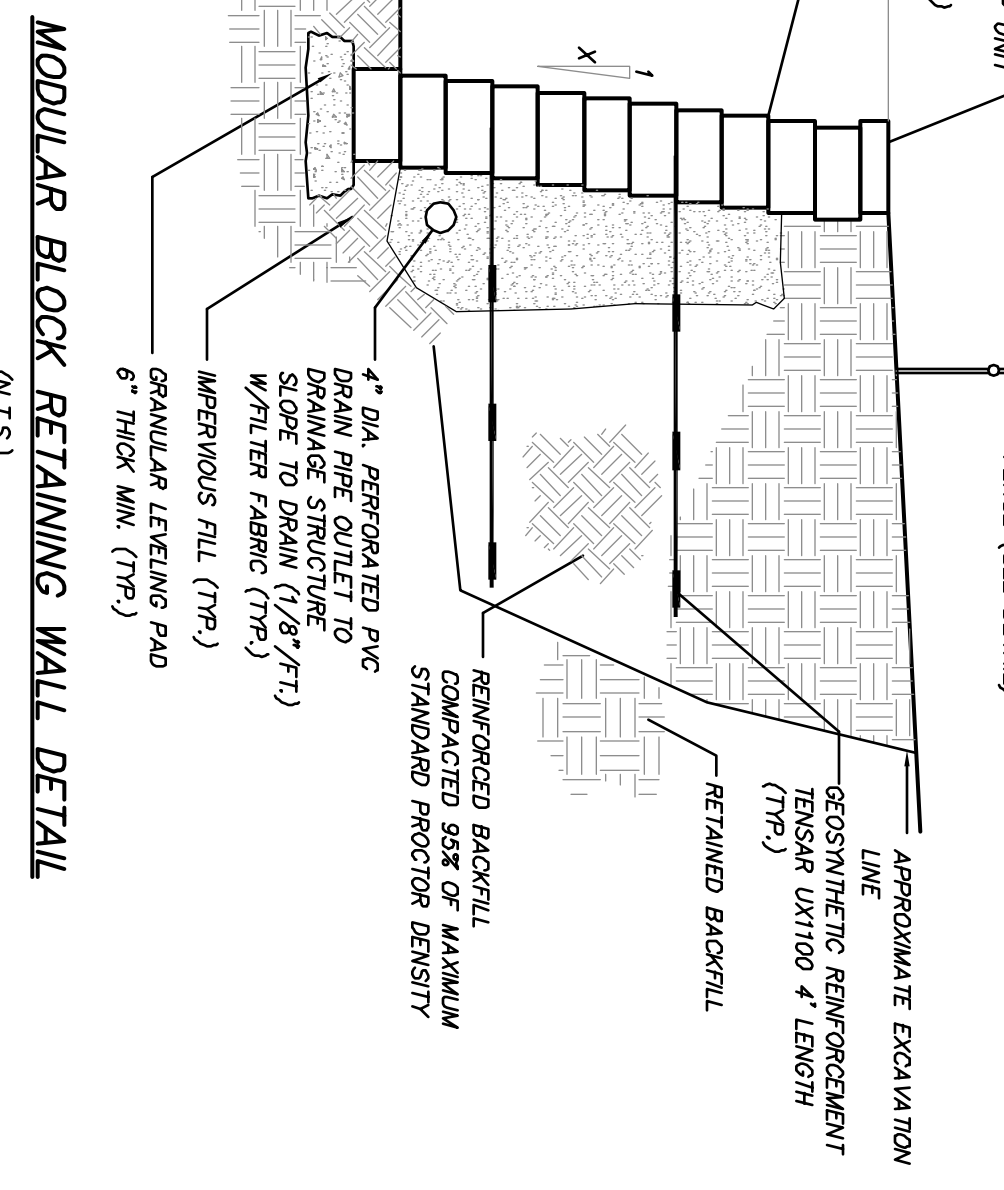
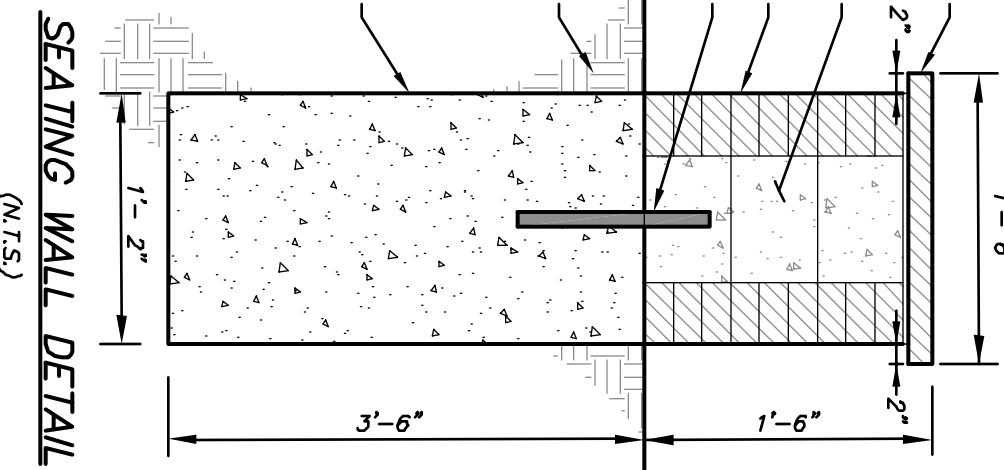
NO.	DATE	REVISIONS FOR PLANNING BOARD SUBMISSION	BY
1	1-31-17	REVISIONS FOR PLANNING BOARD SUBMISSION	MEU
2	3-28-17	REVISIONS FOR PLANNING BOARD SUBMISSION	CIO
3	4-25-17	REVISIONS FOR PLANNING BOARD SUBMISSION	CIO
4	5-30-17	REVISIONS FOR PLANNING BOARD SUBMISSION	CIO
5	6-27-17	REVISIONS FOR PLANNING BOARD SUBMISSION	ALL
6	7-25-17	REVISIONS FOR PLANNING BOARD SUBMISSION	EG

PROJECT:	WEST END LOFTS	DRAWING NO.:	D-1
PROJECT NUMBER:	16226-100	DRAWN BY:	C.T.O.
DATE:	10-25-16	CHECKED BY:	J.L.L.
SCALE:	AS SHOWN	SHEET:	10
			14

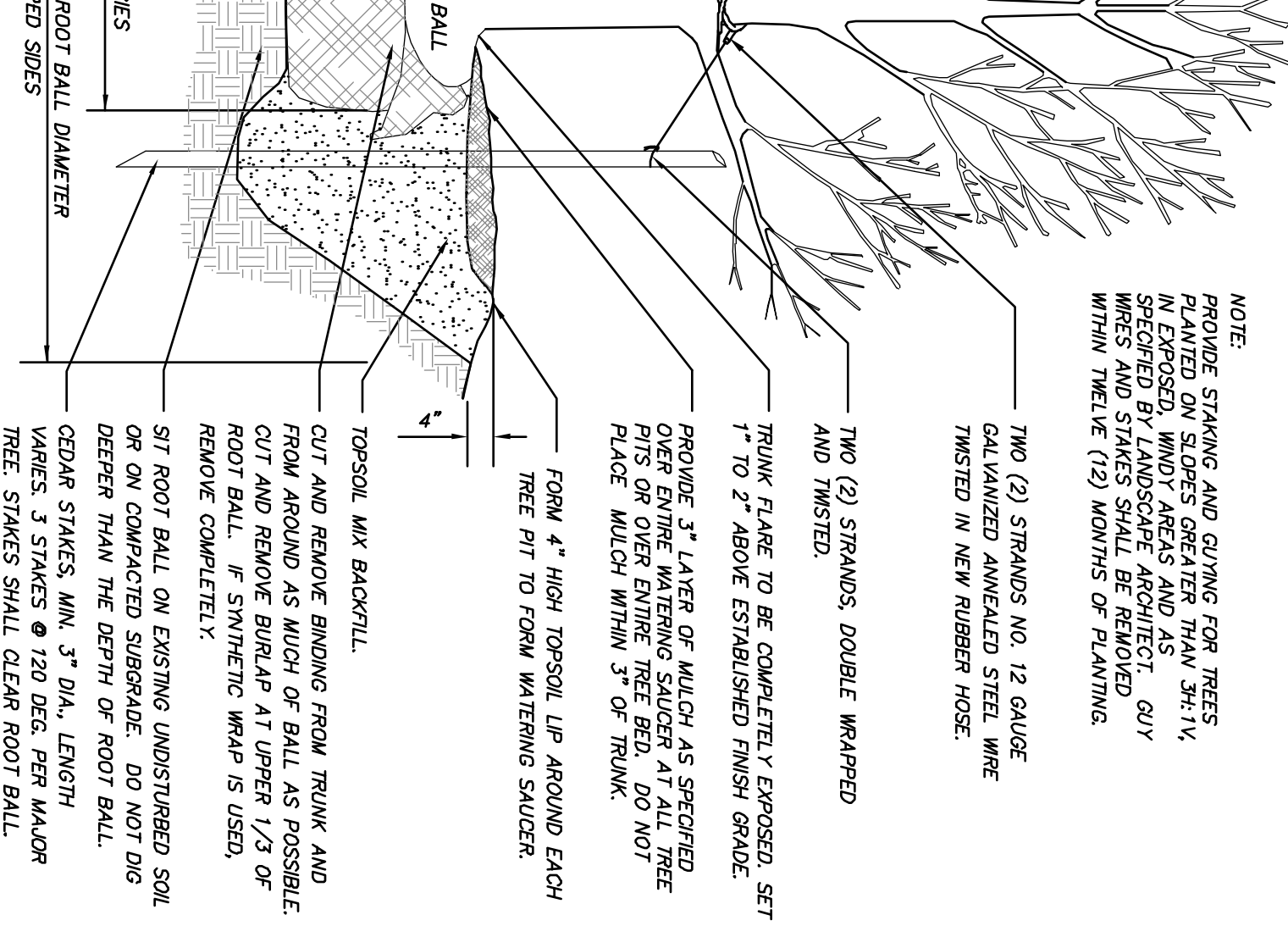
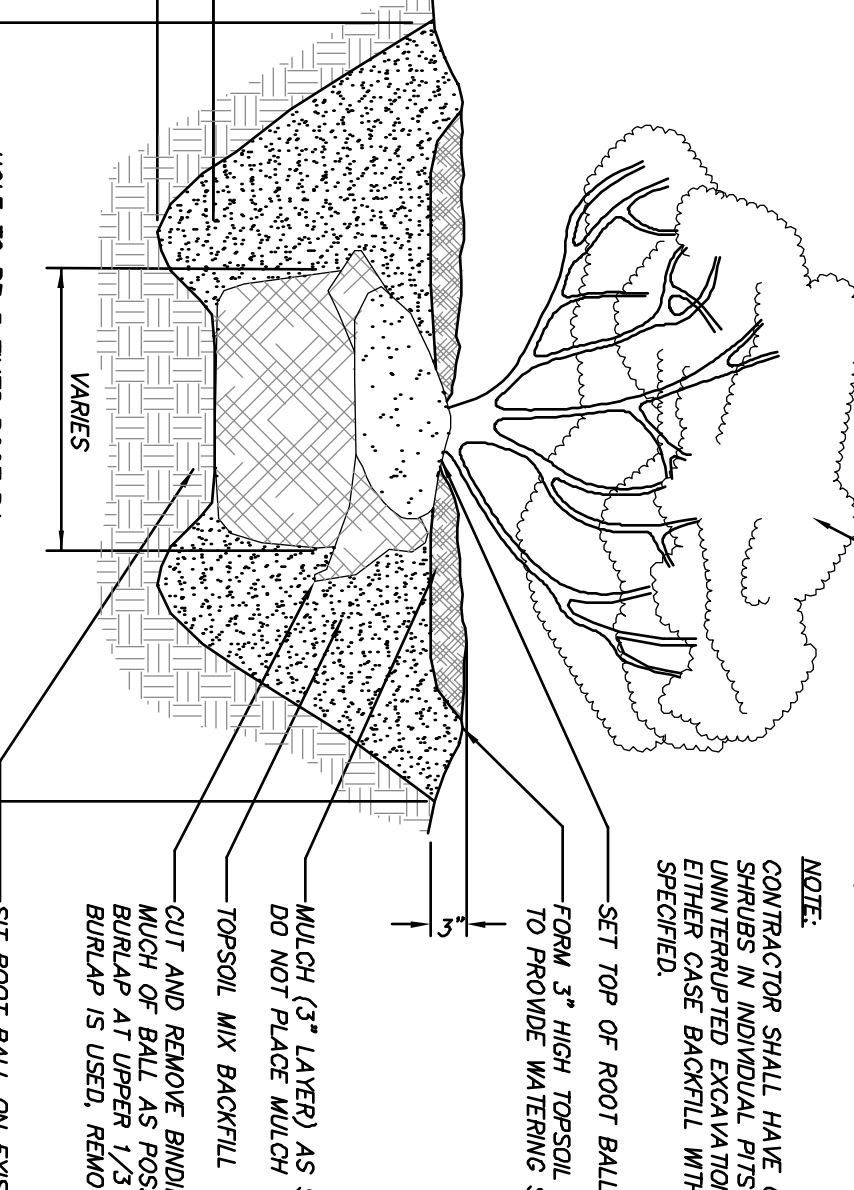
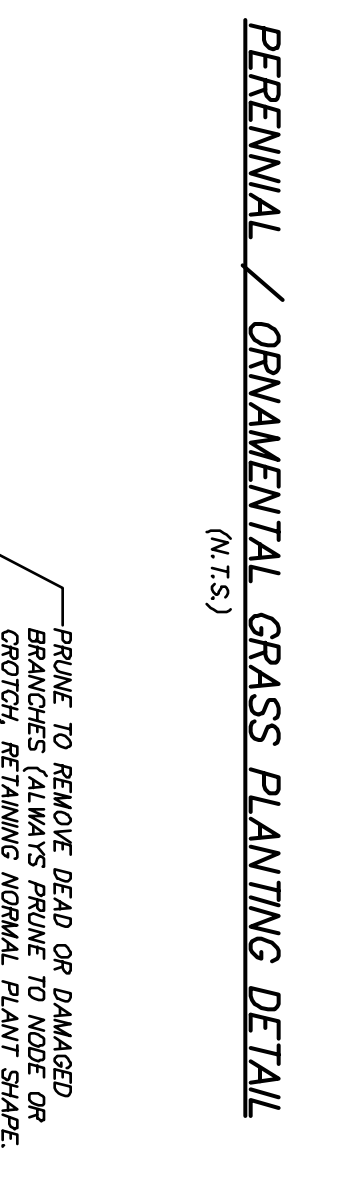
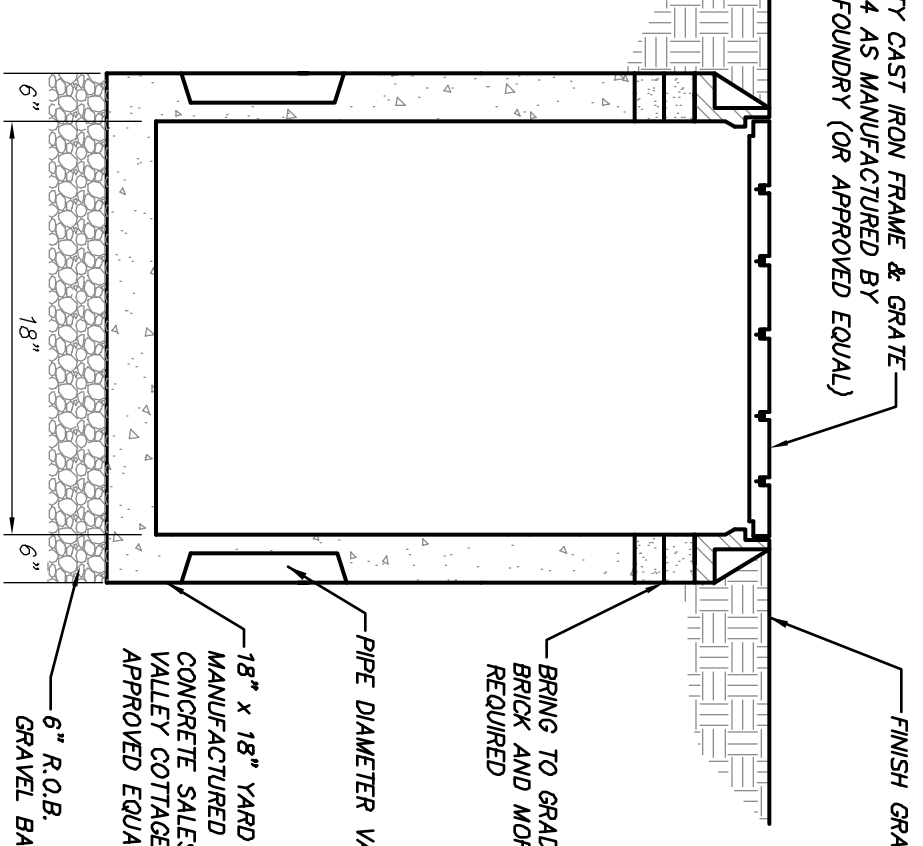
PROJECT:	WEST END LOFTS	DRAWING NO.:	D-1
PROJECT NUMBER:	16226-100	DRAWN BY:	C.T.O.
DATE:	10-25-16	CHECKED BY:	J.L.L.
SCALE:	AS SHOWN	SHEET:	10
			14



- NOTES:**
1. STRIP VEGETATION AND ORGANIC SOIL FROM WALL AND GEOSYNTHETIC ALIGNMENT.
 2. BENCH CUT ALL EXCAVATED SLOPES.
 3. DO NOT OVER EXCAVATE UNLESS DIRECTED BY SITE ENGINEER TO REMOVE UNSATURABLE SOIL.
 4. ALL VEGETATION SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
 5. THE DESIGN STANDARDS AND PARAMETERS FOR THIS WALL SHALL BE AS FOLLOWS:
 6. CONTRACTOR MAY OPT FOR A LEAN CONCRETE PAD. CONCRETE PAD SHALL BE REINFORCED WITH #4 BARS (SPACED 120" IN PLAN). FINISH GRADE SHALL BE 6" FILL BEHIND UNITS TO BE EMBEDED, COMPACT FILL IN FRONT OF UNITS AT THE SAME TIME.
 7. BRICK VENEER SHALL BE INSTALLED DIRECTLY BEHIND THE WALL WITHIN 1" OF THE TOP OF THE WALL. DRAINAGE AGGREGATE SHALL NOT EXTEND BELOW THE BRICK VENEER.
 8. DRAINAGE AGGREGATE SHALL BE TO 80% OF MAXIMUM STANDARD PROCTOR DENSITY (ASTM D-698).
 9. NUMBER OF TESTS SHALL BE DETERMINED BY THE SITE SOILS ENGINEER.
 10. COMPACTOR TESTS SHALL BE LIMITED TO HAND OPERATED EQUIPMENT.
 11. GEOSYNTHETIC SHALL BE PLACED WITH STRONGEST DIRECTION PERPENDICULAR WRITTEN SPECIFICATIONS.
 12. CONTRACTOR SHALL DIRECT SURFACE RUNOFF TO AVOID DAMAGING WALL WHILE UNDER CONSTRUCTION.
 13. ANY SURFACE DRAINAGE FEATURES, FINISH GRADING, PAVEMENT OR TURF SHALL FOLLOW APPLICABLE PROVISIONS OF THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WRITTEN SPECIFICATIONS.
 14. MODULAR BLOCK RETAINING WALL AT STEPS TO BE INSTALLED VERTICALLY (NO BATTER).
 15. MODULAR BLOCK RETAINING WALL MANUFACTURER TO SUPPLY A STRUCTURAL REPORT AND CONSTRUCTION DETAILS OF EACH WALL SEGMENT AND SEALED BY AN ENGINEER LICENSED IN THE STATE OF NEW YORK.



18" X 18" YARD DRAIN DETAIL (N.T.S.)



ALTERNATION OF THIS DOCUMENT UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 174 OF THE EDUCATION LAW.

PROJECT:		WEST END LOFTS	
DRAWING:		DETAILS	
PROJECT NUMBER	18226, 100	PROJECT MANAGER	J.L.C.
DATE	10-25-16	DRAWN BY	C.T.O.
SCALE	AS SHOWN BY	CHECKED BY	J.L.L.
PROJECT:		WEST END LOFTS	
18226, 100		3 Garrett Place	
C.T.O.		C.T.O.	
J.L.L.		J.L.L.	
11		14	

SEWER TESTING PROCEDURES

TESTS FOR NON-PRESSURE PIPELINES FOR TRANSPORT OF SEWAGE

The leakage shall be determined by infiltration, inflation or low pressure air.

A. Infiltration Testing

- 1. Infiltration tests shall be made by filling a section of pipeline with water and measuring the quantity of leakage.
2. The head of water at the beginning of the test shall be at least 2 feet above the highest pipe within the section being tested.
a. Should groundwater be present with the section being tested, the head of water for the test shall be 2 feet above the hydraulic gradient of the groundwater.
b. Should the requirement of 2 feet of water above the highest pipe head of water for the test shall be 11.5 feet, another method of testing shall be employed.

B. Inflation Testing

- 1. Inflation tests will be allowed only when the water table gradient above the groundwater level to be 2 feet or more above the highest pipe within the section being tested.
2. Inflation test shall be made by measuring the quantity of water leaking into a section of pipeline.
3. Measurement of the infiltration shall be by means of a calibrated weir constructed at the outlet of the section being tested.

C. Allowable Leakage for Non-Pressure Pipelines

The allowable leakage (Leakage) shall be determined by the following formula: The test shall be run for a minimum of 24 hours per inch of diameter per 1000 feet of pipe.

Table with 3 columns: Pipe Size (Inches), Leakage (GPM per 1000 feet of pipe), and Formula. Rows for 12, 18, and 24 inch pipes.

D. Low Pressure Air Testing

- 1. Air testing for acceptance shall not be performed until the backfilling has been completed.
2. Low pressure air tests shall conform to ASTM F741-7-92, Section B.2.2.
3. All sections of pipelines shall be cleaned and flushed prior to testing.
4. The air test shall be based on the starting pressure of 1.5 to 4.0 psig gauge.
5. The test shall be based on the size and length of the test section by the Contractor.
6. When groundwater is present, the average test pressure of 3 psig shall be above any test pressure due to the groundwater level.
7. The maximum pressure allowed under any condition in air testing shall be 10 psig.
8. The maximum groundwater level for air testing is 13 feet above the top of the pipe.
9. The equipment required for air testing shall be furnished by the Contractor.
10. The test shall be performed during the test period and shall be on a separate line to the test section.
11. The test gauge shall be sized to allow for the measuring of the 0.5 psig test section.

E. Deflection Testing

- 1. Deflection testing shall be performed 30 days after backfilling. The test shall be made by passing a ball or cylinder no less than 95% of the pipe diameter through the pipe. The test shall be performed without mechanical pulling devices.
2. Deflection tests shall be performed after backfilling. The test shall be made by filling the manhole with water and observing the level for a minimum of eight hours.
3. Infiltration tests shall be performed after backfilling when the groundwater level is above the joint of the top section of a precast manhole.
4. Vacuum testing shall be performed after backfilling in accordance with the latest revision of ASTM D2444-11 as follows:
a. The test head shall be placed at the top of the manhole in accordance with the manufacturer's recommendations.
b. A vacuum of 10 in. of mercury shall be drawn on the manhole, the valve on the vacuum line of the test head closed, and the vacuum maintained for a minimum of 10 minutes. The test shall be repeated to drop 9 in. of mercury.
c. The manhole shall pass if the time for the vacuum reading to drop from 10 in. of mercury to 9 in. of mercury exceeds the values indicated below.

Minimum Test Times for Various Manhole Diameters in Seconds.

Table with 3 columns: Depth (ft), Diameter (Inches), and Test (Seconds). Rows for diameters 8, 10, 12, 14, 16, 18 inches.

If the manhole does not pass the vacuum test, necessary repairs shall be made by the Contractor. The test shall be repeated until a satisfactory test is obtained.

DUCTILE IRON PIPE WATER TESTING PROCEDURES

TESTS ON PRESSURE PIPING FOR TRANSPORT OF WATER

The tests shall be performed in accordance with the revision of ASTM C600, Section 5.2, Hydrostatic Testing.

A. Hydrostatic Pressure Test

- 1. Test pressure shall be as scheduled or, where no pressure is scheduled, shall be 150 psi, or 1.25 times the static operating pressure, whichever is higher.
2. Test pressure shall be held on the piping for a period of at least 2 hours, unless a longer period is requested by the Engineer.
3. The test medium shall be water.

B. Hydrostatic Leakage Test

- 1. The leakage test shall be conducted concurrently with the pressure test.
2. The rate of leakage shall be determined at 15-minute intervals by means of a measuring device. The test shall be continued until the rate of leakage has stabilized or is decreasing below an allowable value, for three consecutive 15-minute intervals. After this, the test pressure shall be maintained for at least 15 minutes.
3. At the completion of the test, the pressure shall be released and the manhole or pit shall be repaired or replaced before resuming the work.

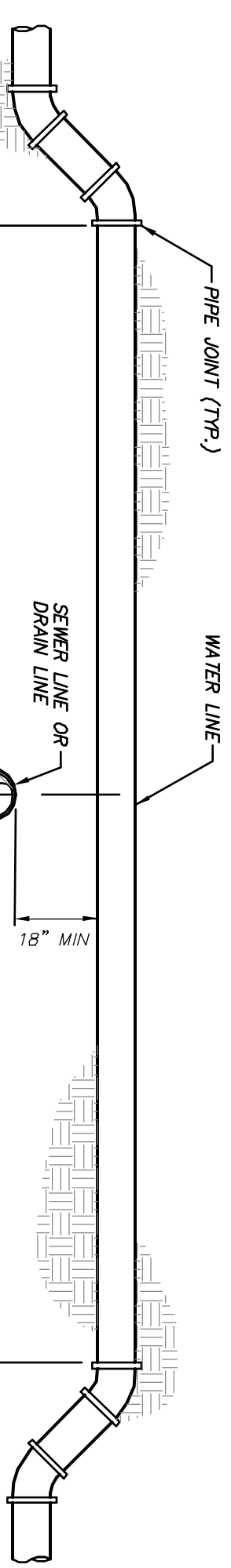
- 4. The allowable leakage will be determined by the following formula:
L = Lp * D
L = length of pipe tested, in feet
D = nominal diameter of the pipe, in inches
P = test pressure, in psi
Q = allowable leakage, in gallons per hour

Where: L = length of pipe tested, in feet; D = nominal diameter of the pipe, in inches; P = test pressure, in psi; Q = allowable leakage, in gallons per hour.

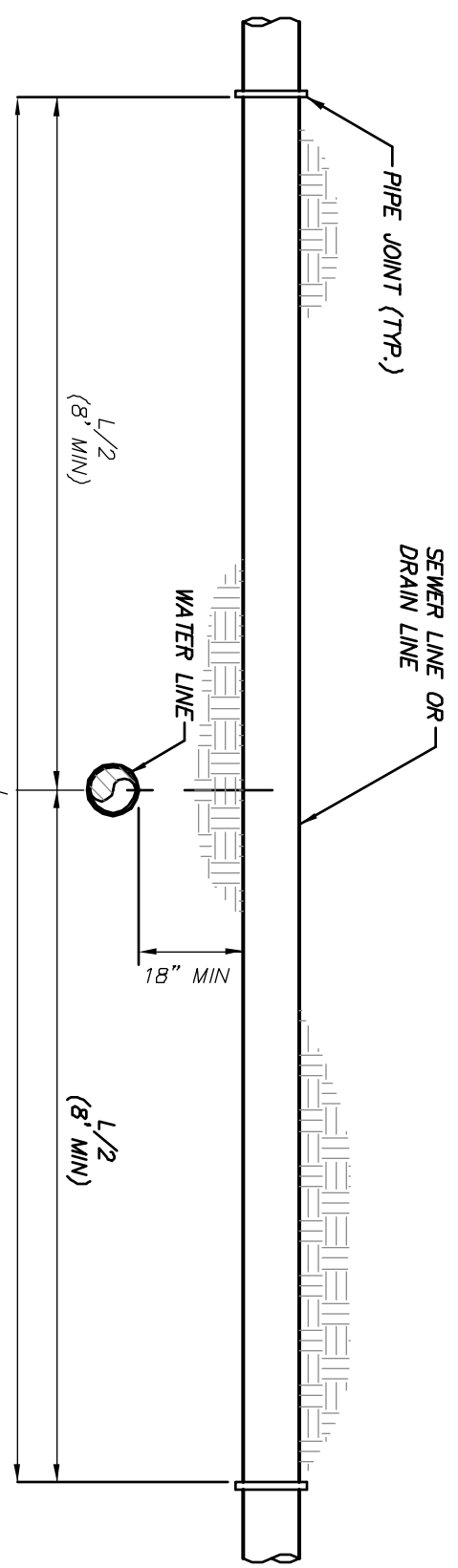
- 5. Regardless of the above formula, any visible leaks shall be permanently stopped.
6. The test medium shall be water.

C. Disinfection

- 1. Prior to placing the water main into service, the new pipe shall be cleaned and disinfected in accordance with the latest revision of AWWA C900, Section 4.4.3, The Continuous Feed Method. The Total Chlorine Method will not be accepted.
2. All work under this section shall be performed in the presence of the Design Engineer, and a representative of the public health authority having jurisdiction, or their authorized representative, shall be present.
3. Disinfection shall be scheduled such that pumping and flushing will be performed during the test period. The test shall be performed in accordance with the following procedure:
a. Disinfection shall be performed by the use of a solution of water and liquid chlorine, sodium hypochlorite or sodium hypochlorite and the solution shall be contained in the pipe during the test period.
4. Disinfection shall be performed by the use of a solution of water and liquid chlorine, sodium hypochlorite or sodium hypochlorite and the solution shall be contained in the pipe during the test period.
5. Pipe to be disinfected, all dirt and foreign matter shall be removed by a thorough cleaning and flushing of the pipeline or structure.
6. The chlorine solution shall be introduced to pipeline through open access stops placed in the immediate area of the pipe to be disinfected.
7. The application of the chlorine solution shall be by means of a controlled solution feed device. The rate of chlorine solution flow shall be in such proportion to the pipe diameter as to maintain a residual chlorine concentration of 50 mg/l (5.0 ppm) or 100 mg/l (10.0 ppm) of chlorine per million (mg/l) of water.
8. The chlorine residual water shall be retained in the pipe or structure of least 24 hours, unless otherwise directed. During the retention period, all valves and hydrants within the treated sections shall be operated.
9. The chlorine residual shall be not less than 10 ppm (or mg/l) at any point in the pipe or structure at the end of the 24-hour retention period.
10. When required by, or when specified, structures and portions of pipelines shall be disinfected by a concentrated chlorine solution containing not less than 5% available chlorine. The chlorine solution shall be introduced to the pipeline through open access stops placed on the entire inner surface of the empty pipes or structures. The structures disinfected shall remain in contact with the strong chlorine solution for a minimum of 24 hours.
11. After the required retention of chlorinated water in the pipe or structures, they shall be flushed with water. The flushing shall be done in such a manner as to prevent any damage to the structures and to prevent any chlorine residual from entering any public from the existing water supply system.
12. The disposal of chlorinated water from any pipe or structure shall be such that it will not cause damage to any vegetation, fish, or animal life.
13. The Contractor shall make all arrangements for the testing of water quality by an approved independent laboratory. The acceptable bacteriological test, taken at one end from the end of the line and at least one set from each branch, the bacteriological test shall be collected from every 1,000 LF of the new water main, plus health authority having jurisdiction.
14. All water quality requirements shall be fulfilled prior to the passage of any water through the new system to a public supply or the use of the new system.



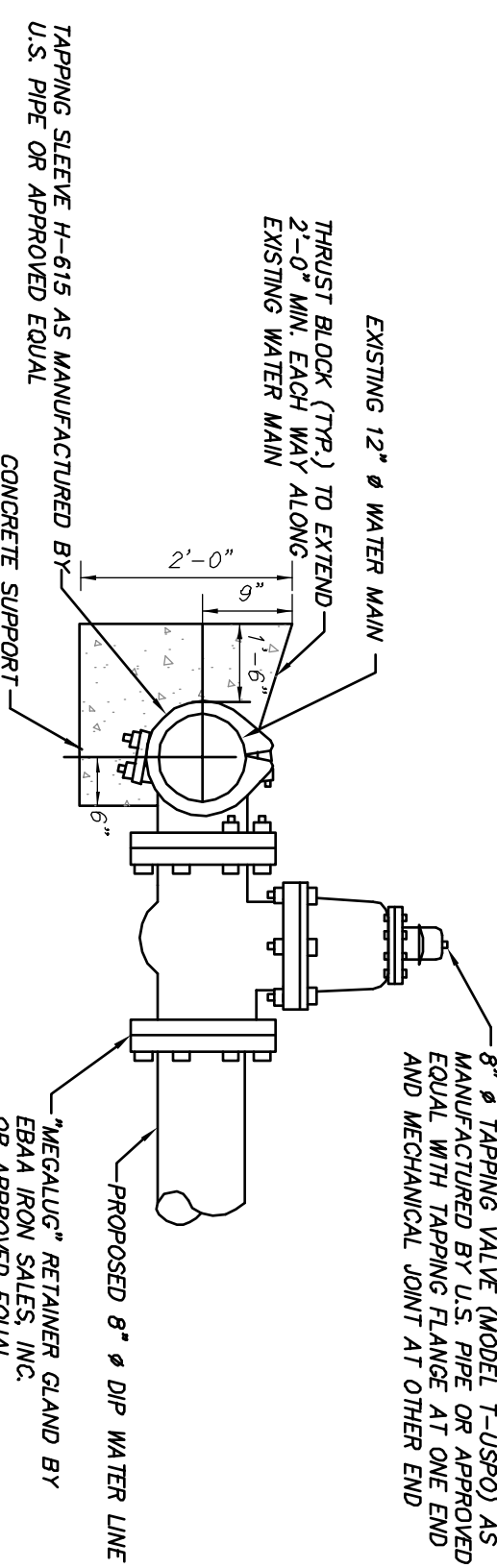
WATER LINE CROSSING OVER SANITARY SEWER LINE OR STORM DRAIN LINE



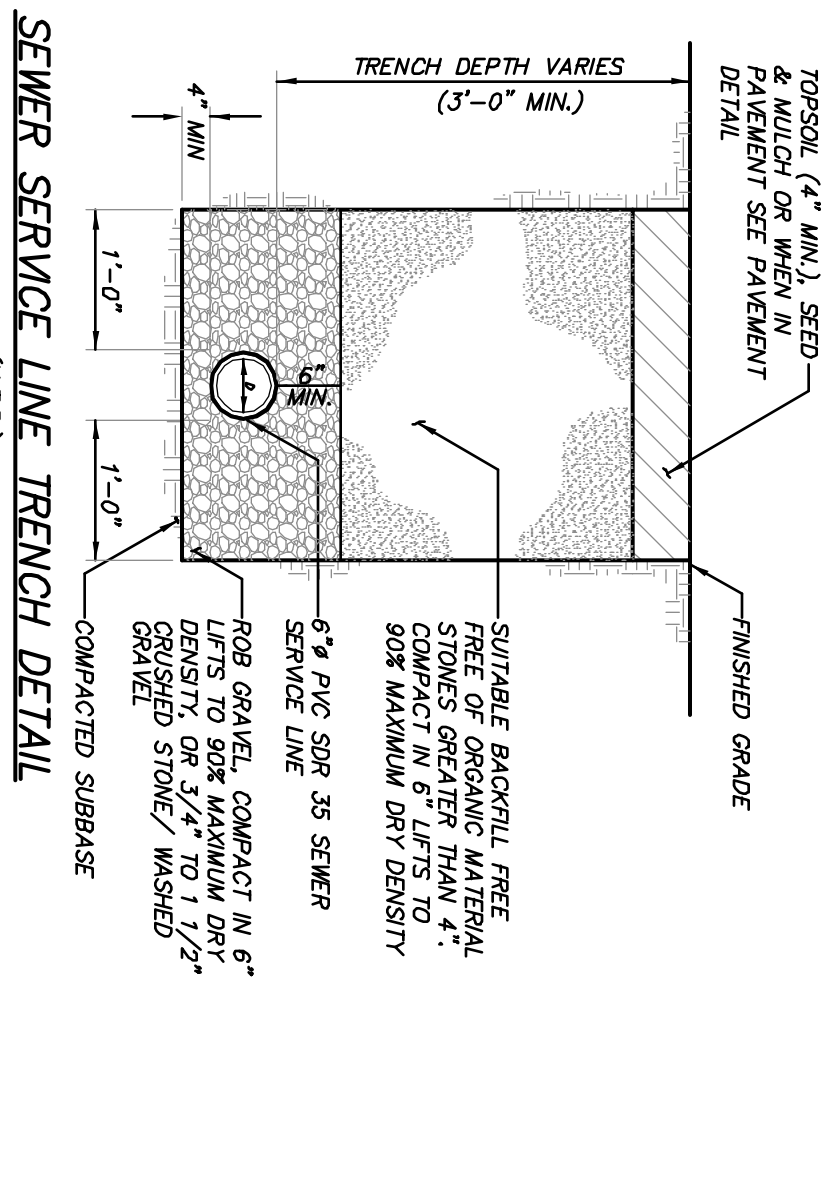
WATER LINE CROSSING UNDER SANITARY SEWER LINE OR STORM DRAIN LINE

NOTES: 1. WHEN 18" SEPARATION CANNOT BE MAINTAINED, THE WATER LINE SHALL BE ENCASED IN CONCRETE (SEE DETAIL ONLY WITH PRIOR APPROVAL OF THE DESIGN ENGINEER AND DEPARTMENT OF HEALTH SERVICES REQUIRED). 2. THE 18" SEPARATION APPLIES TO WATER MAINS AND WATER SERVICE CONNECTIONS.

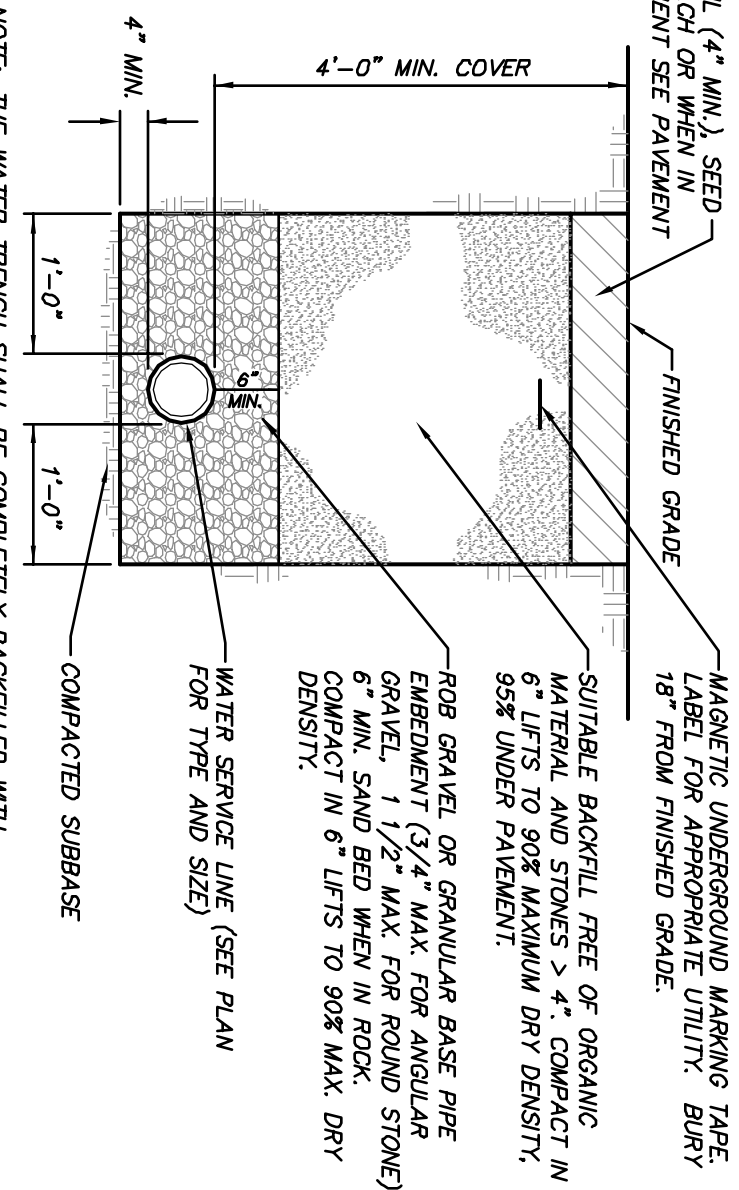
WATER LINE CROSSING DETAIL



TAPPING SLEEVE VALVE AND THRUST BLOCK DETAIL



SEWER SERVICE LINE TRENCH DETAIL



WATER SERVICE LINE TRENCH DETAIL

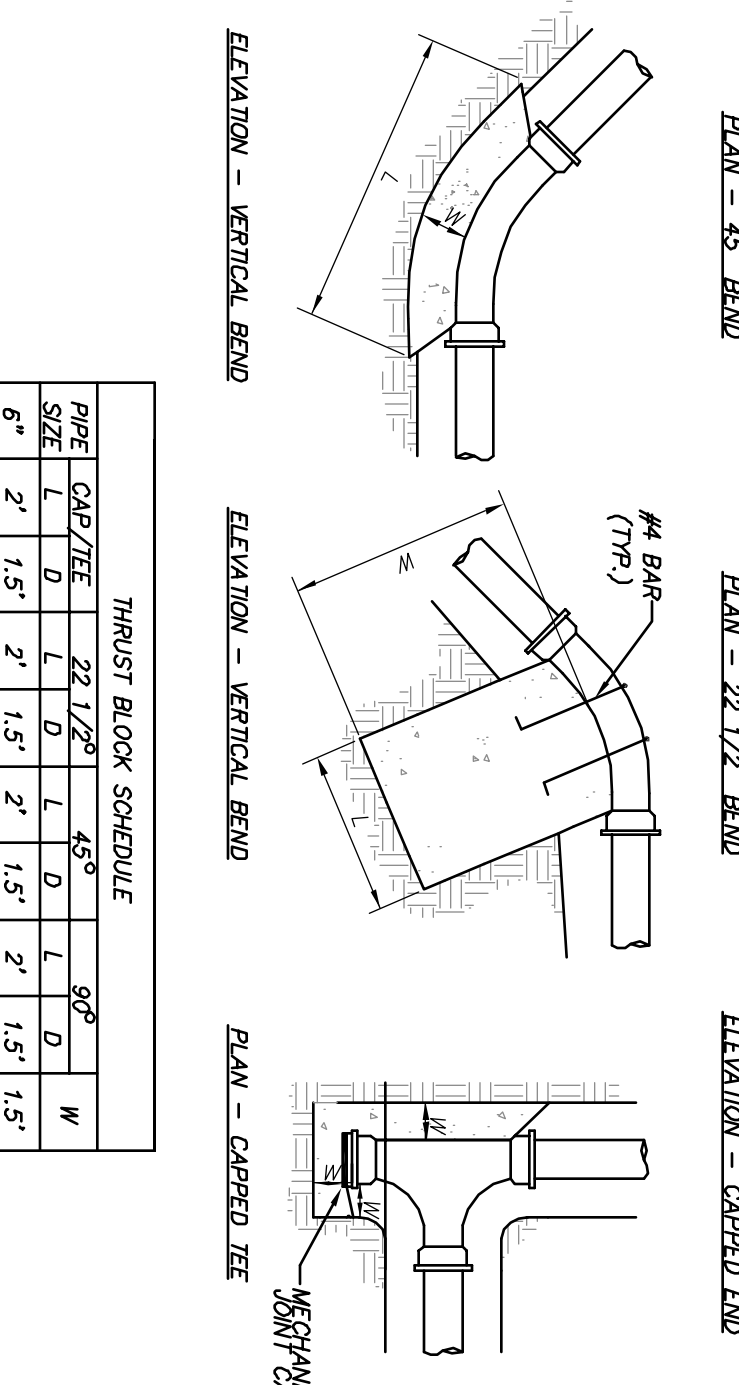
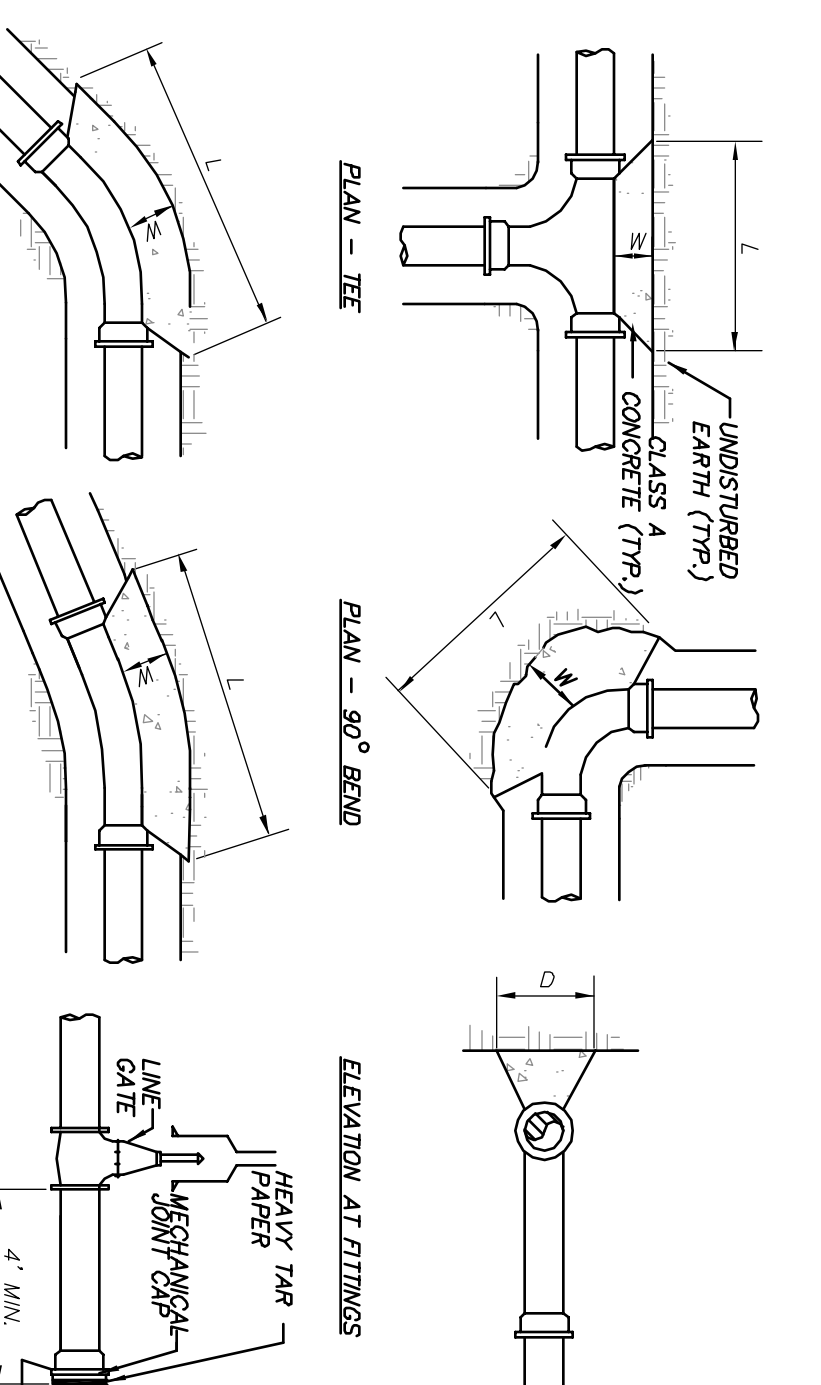
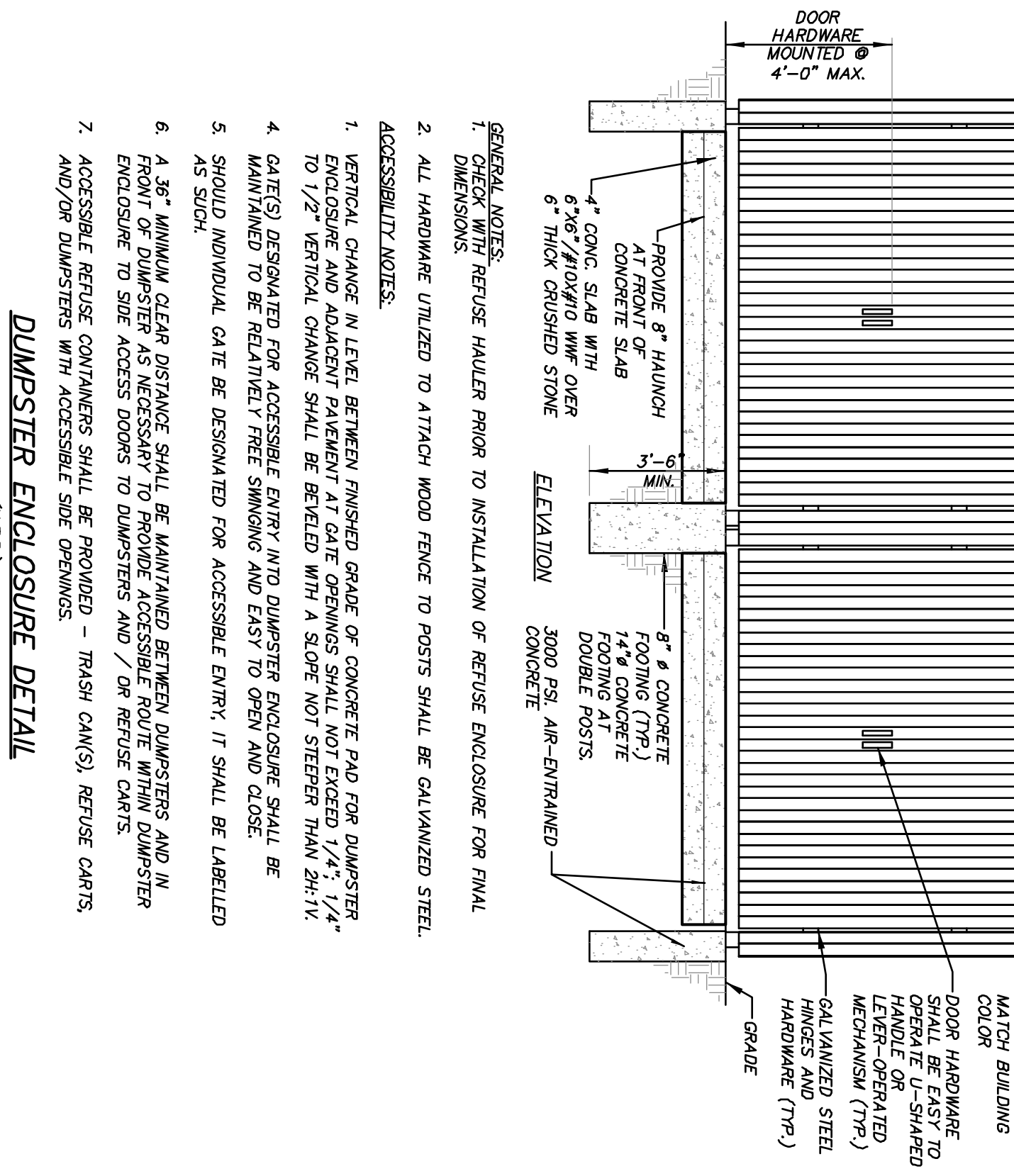
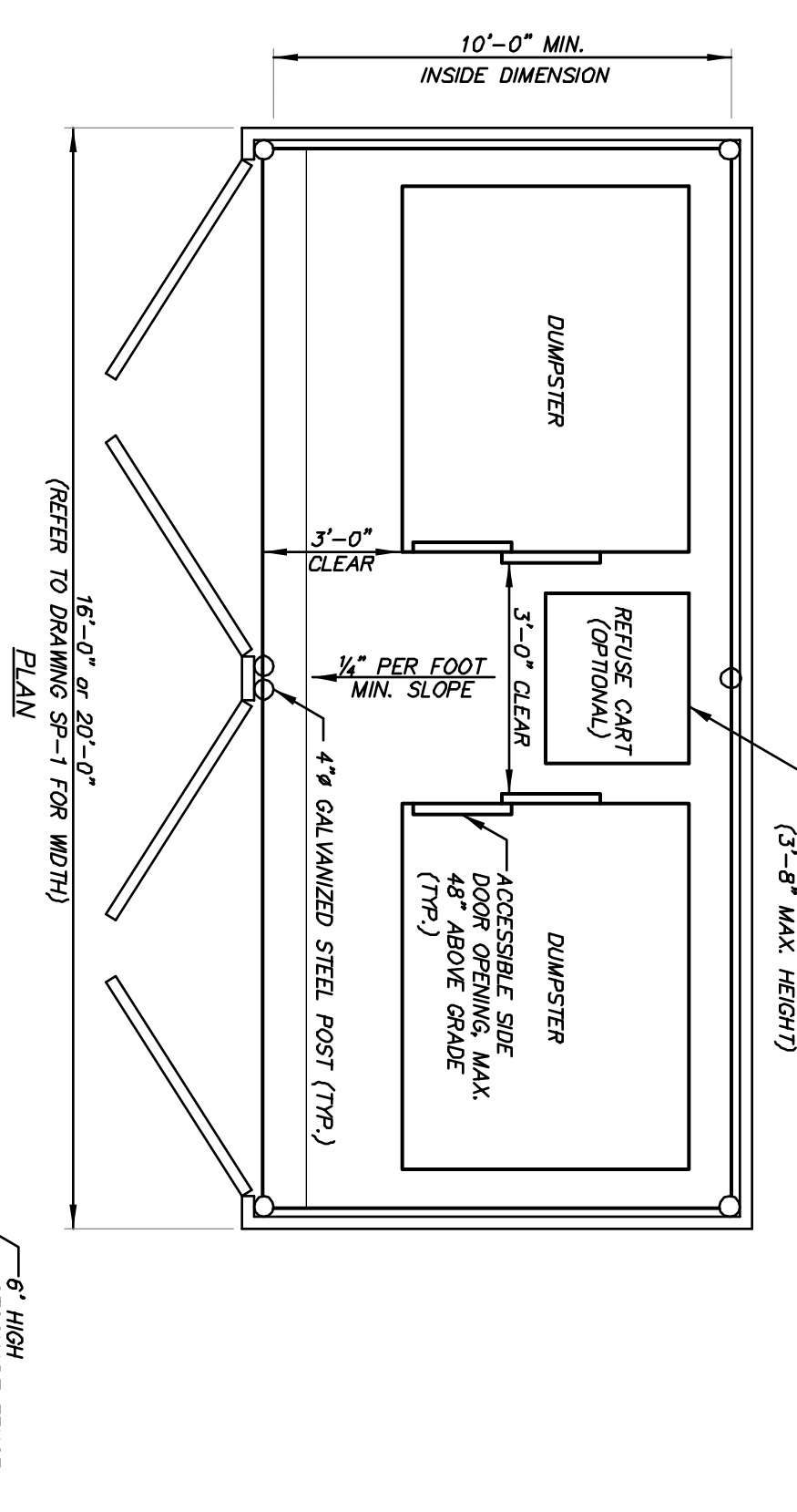


Table with 4 columns: Thrust Block Schedule, Pipe Size, Thrust Block Size, and Thrust Block Weight. Rows for 12, 18, and 24 inch pipes.

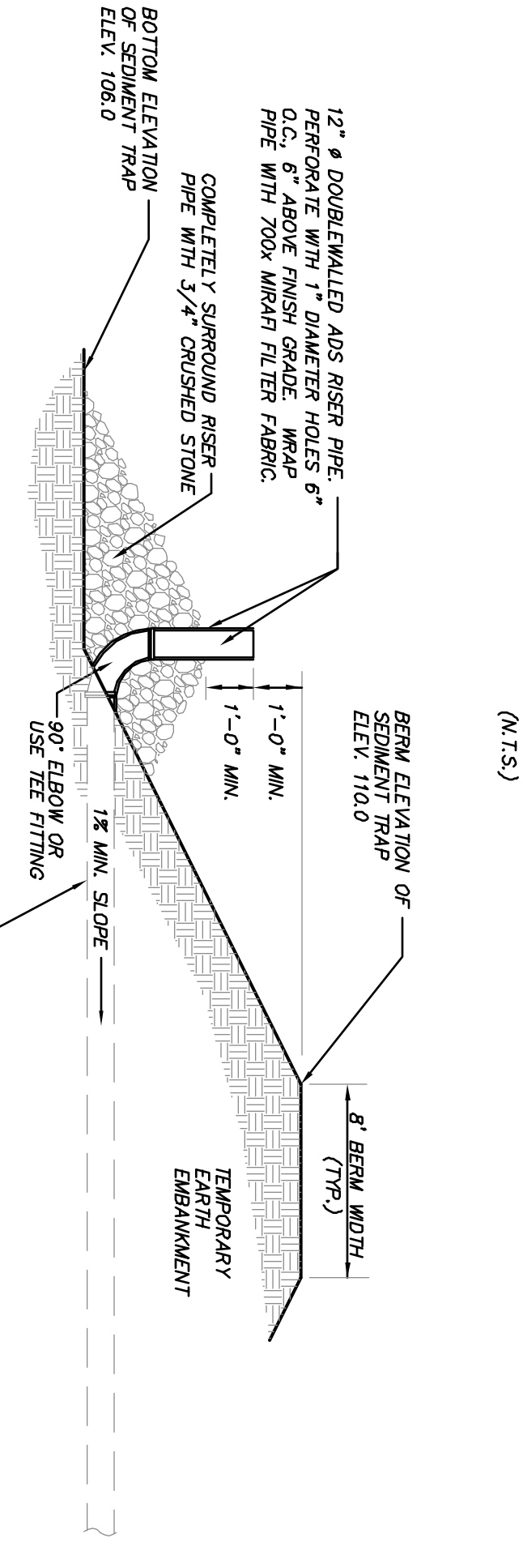
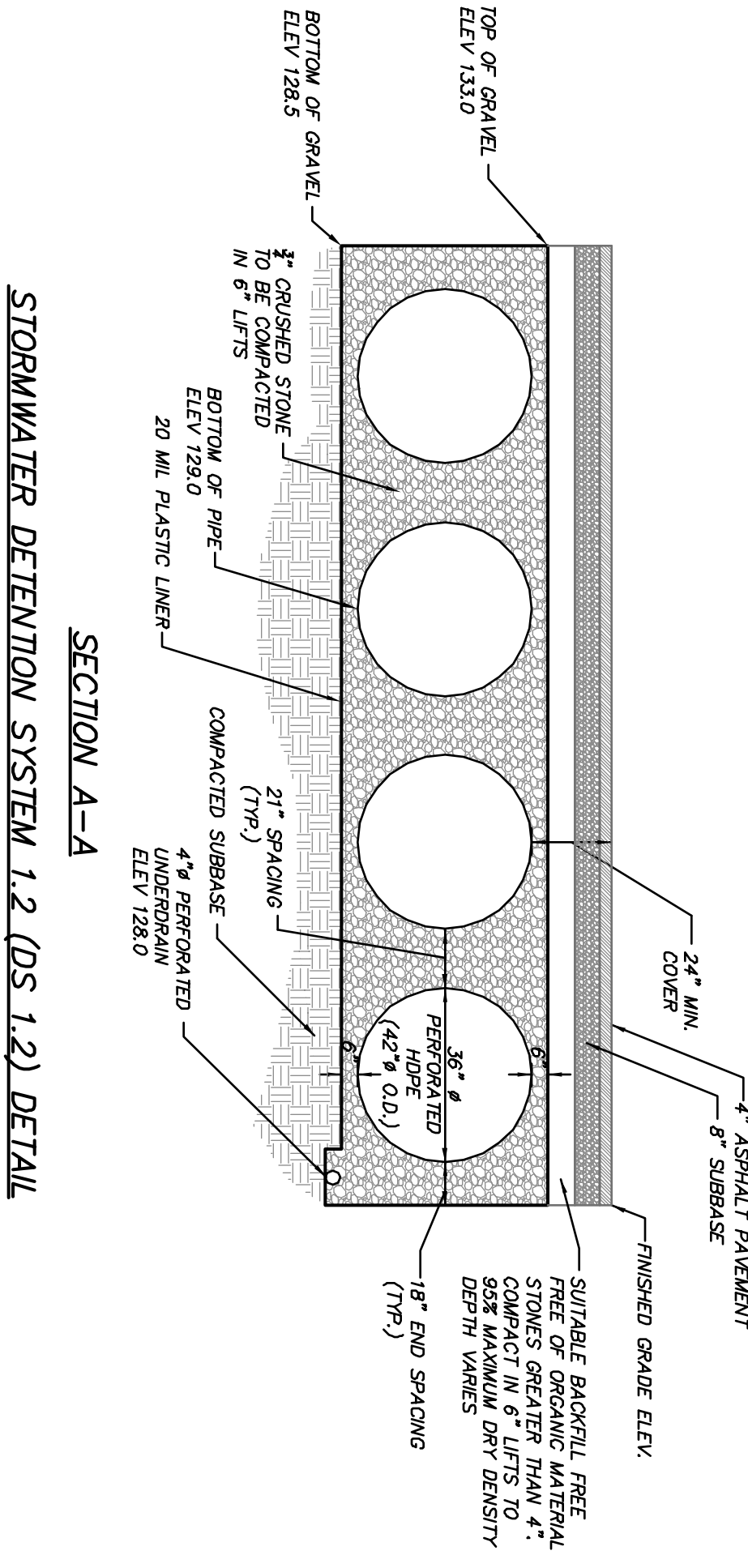
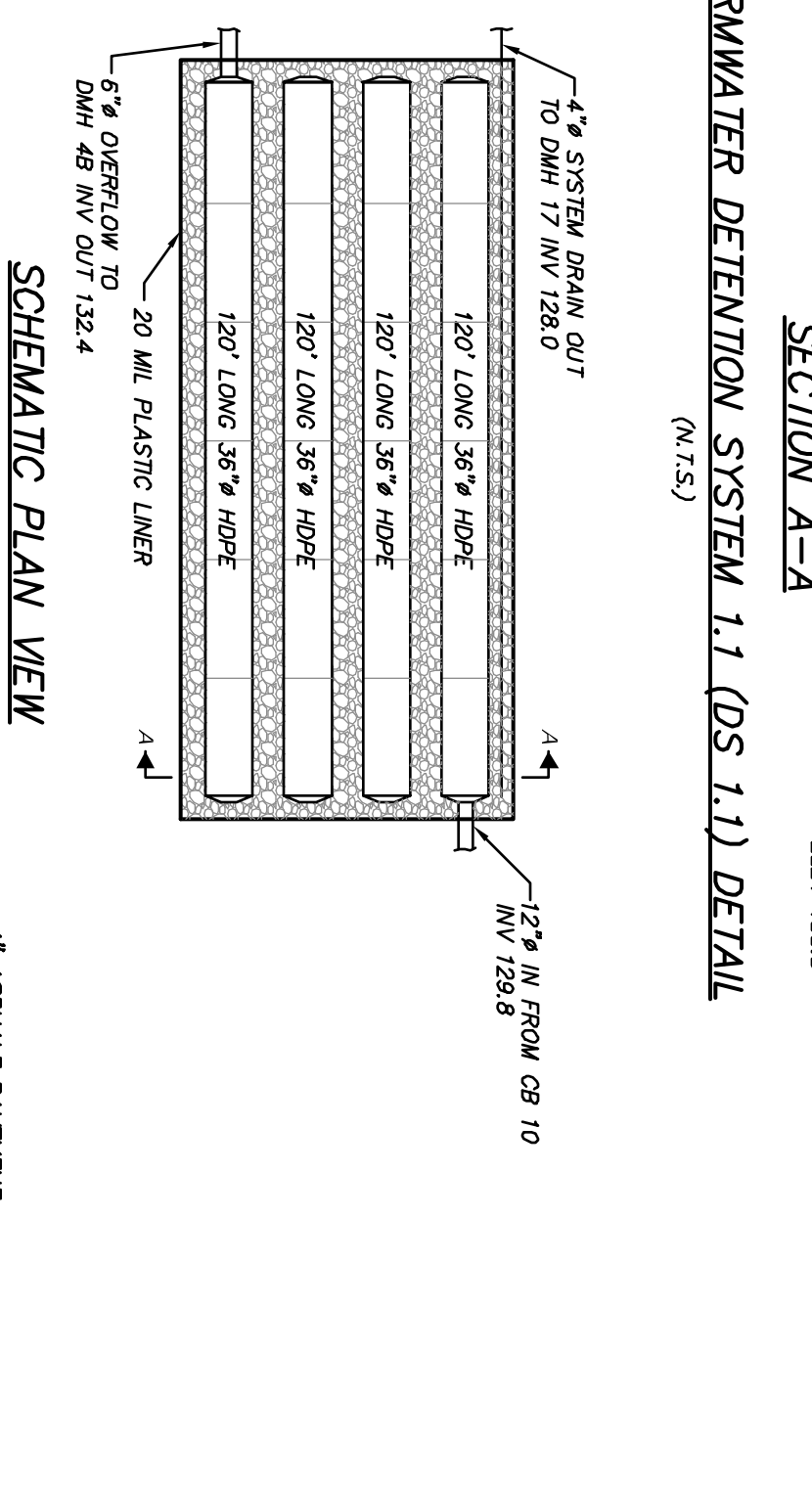
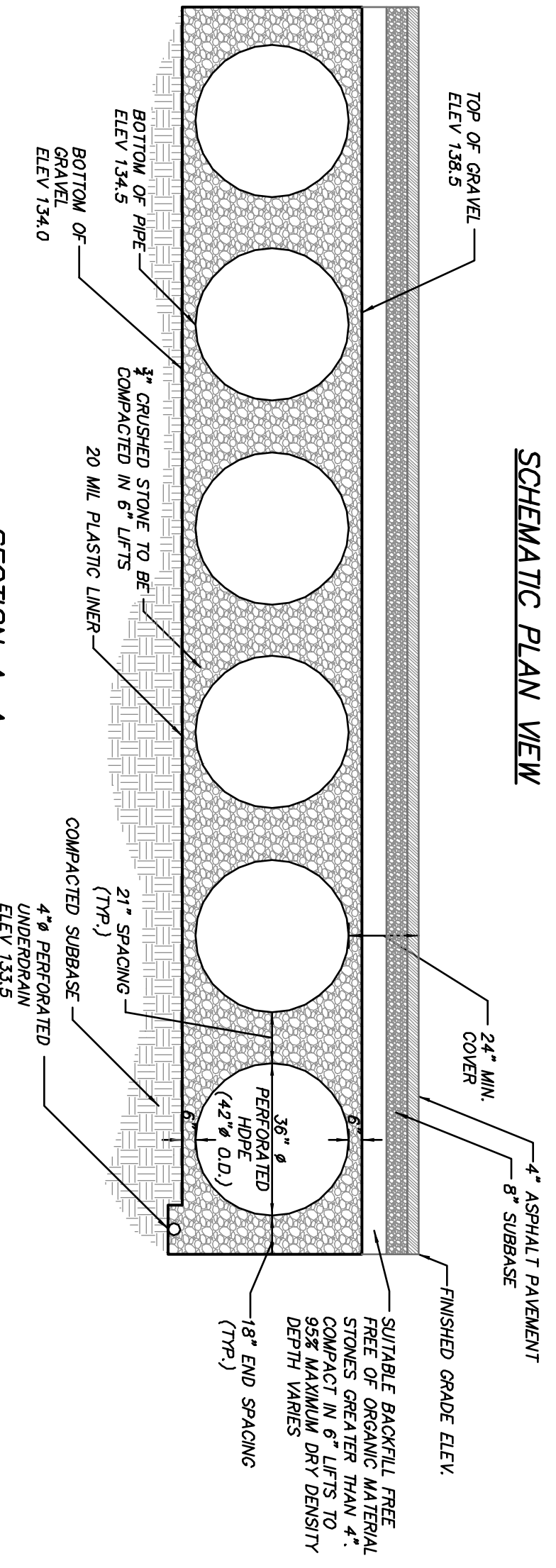
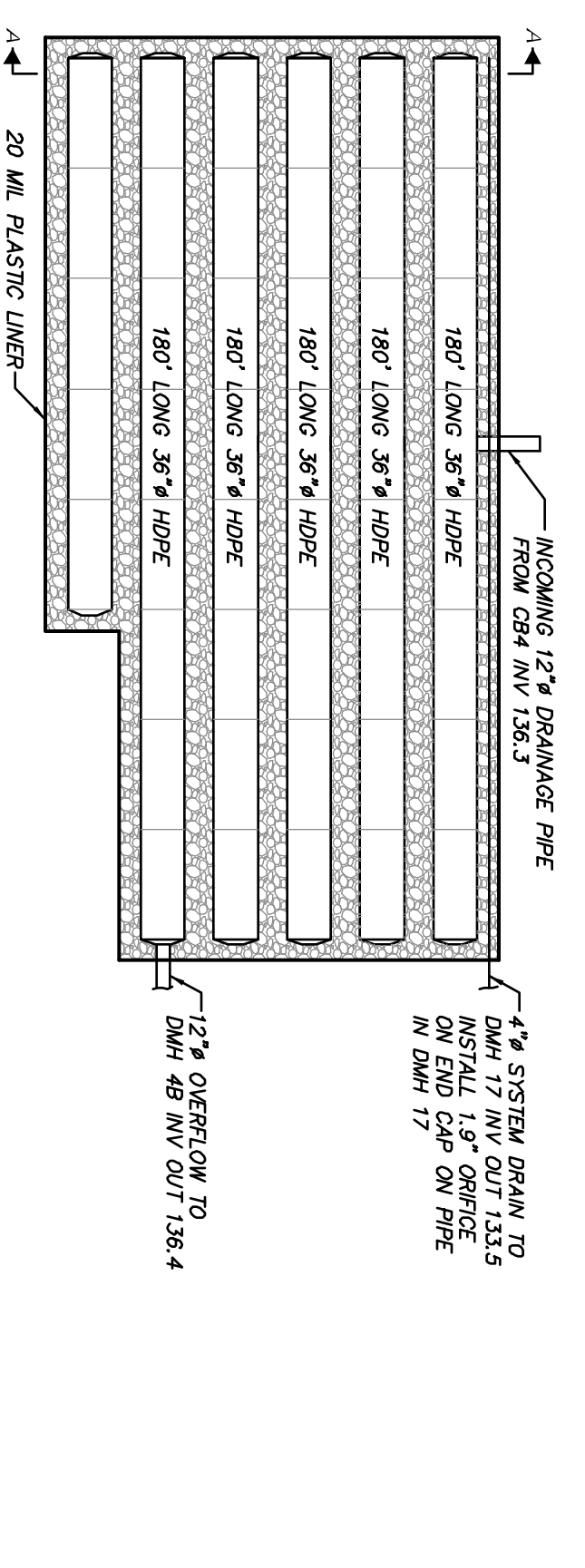
THRUST BLOCK DETAILS



DUMPSTER ENCLOSURE DETAIL

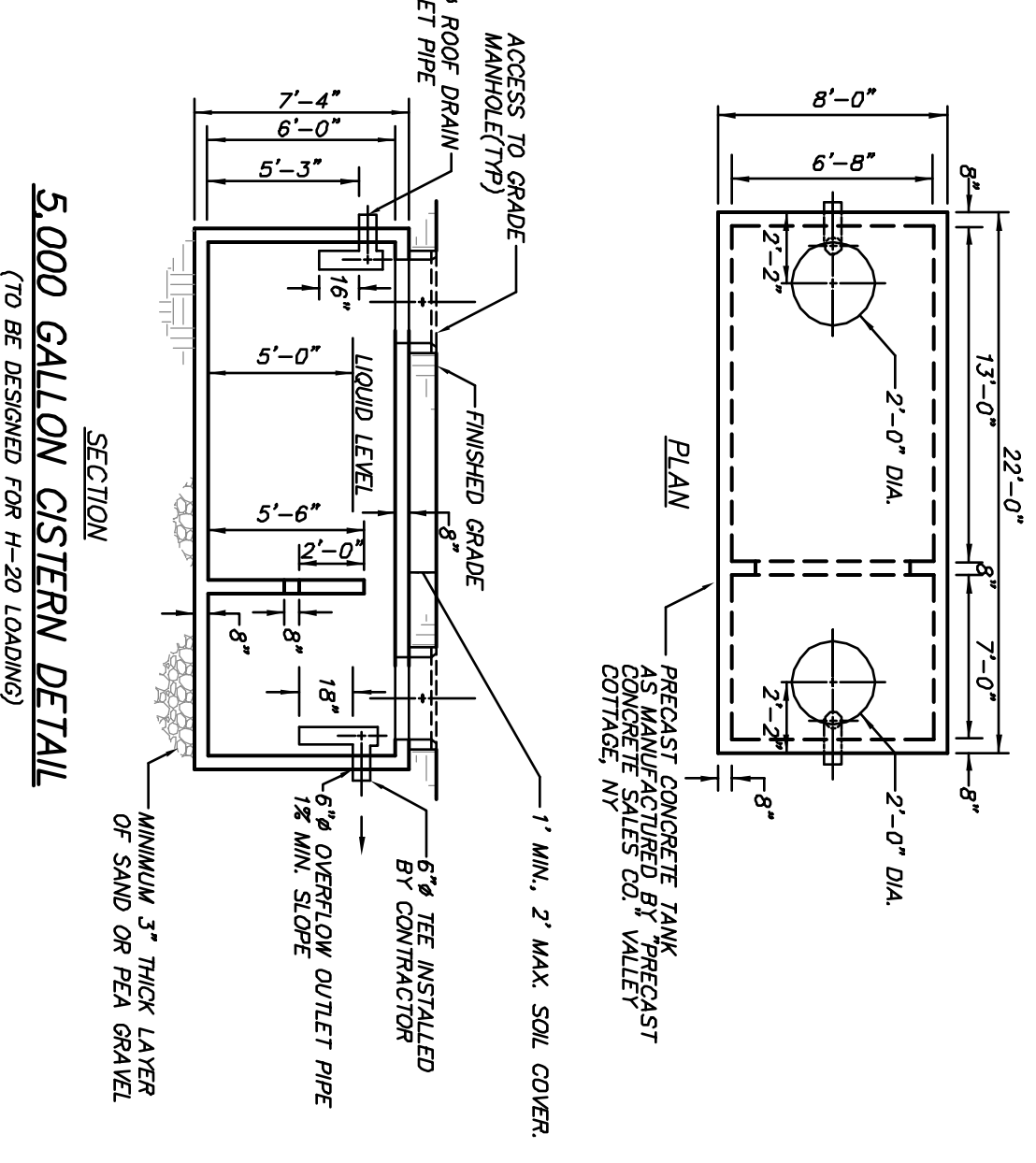
Project information table including Project Name (West End Lofts), Address (16226 100th Avenue), and Revision Log with columns for No., Date, and Comments.

ALTERNATION OF THIS DOCUMENT UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7309 OF ARTICLE 145 OF THE EDUCATION LAW.



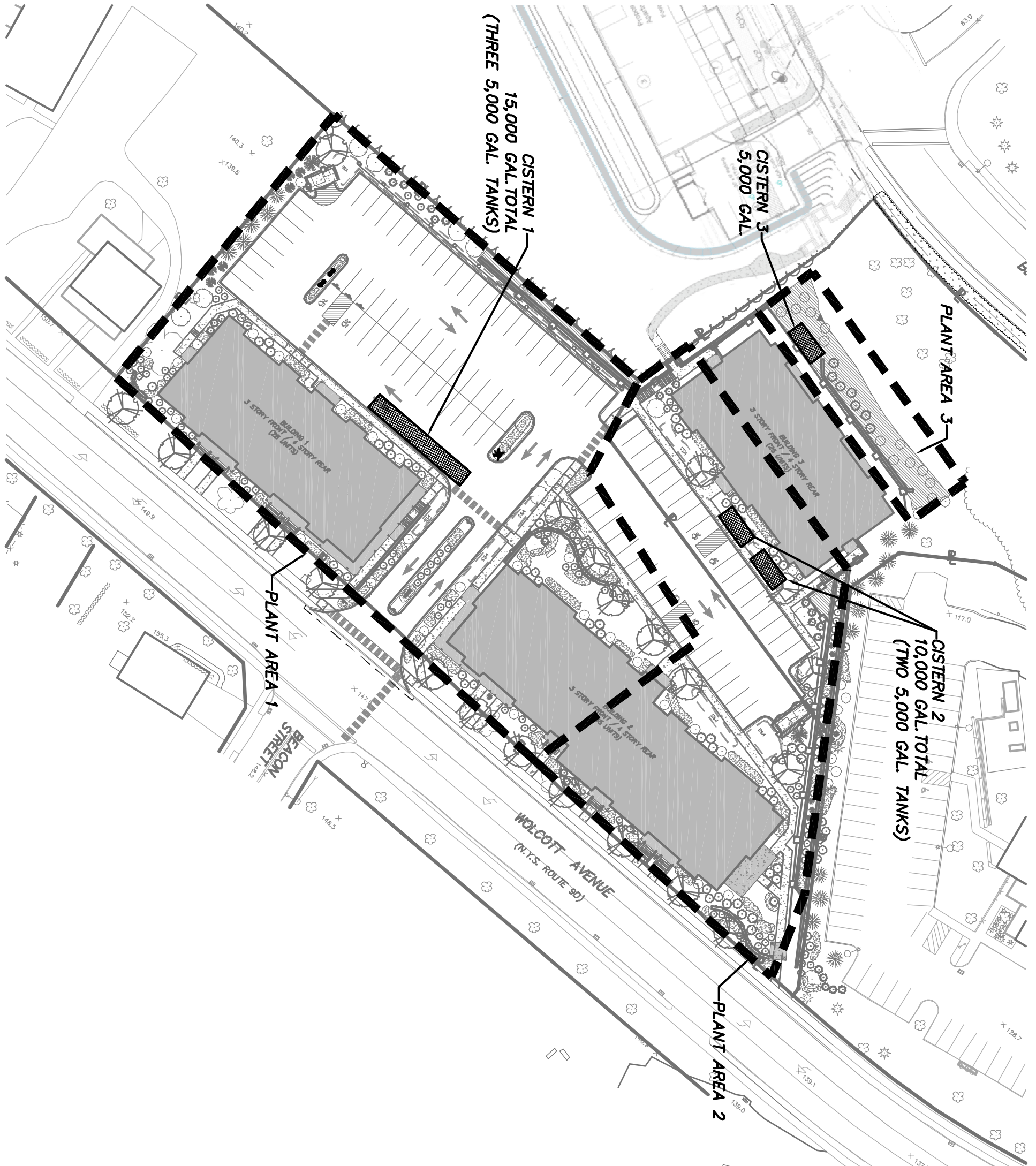
NOTE:
1. THE PERMANENT DRY SWALE IS NOT INSTALLED UNTIL ALL PHASES OF CONSTRUCTION ARE COMPLETE.
2. THE PERMANENT DRY SWALE IS TO BE INSTALLED IN ACCORDANCE WITH THE DETAIL REGARDING THE TIMING OF INSTALLATION AND REMOVAL / CONVERSION TO DRY SWALE.

TEMPORARY SEDIMENT TRAP RISER DETAIL
(N.T.S.)

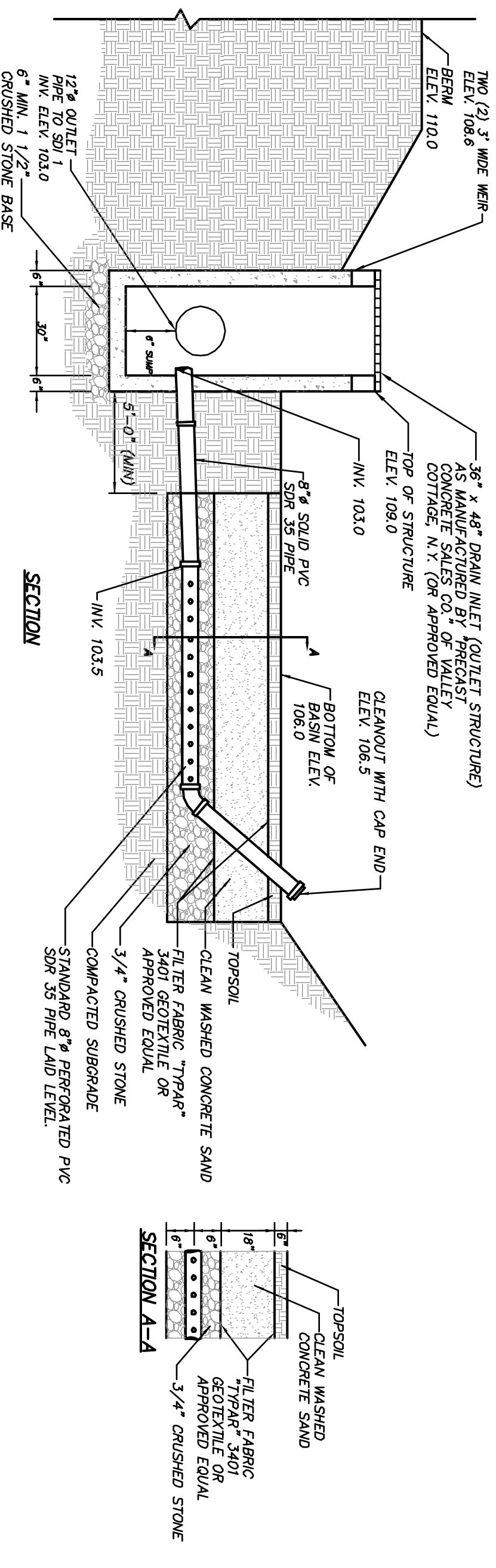
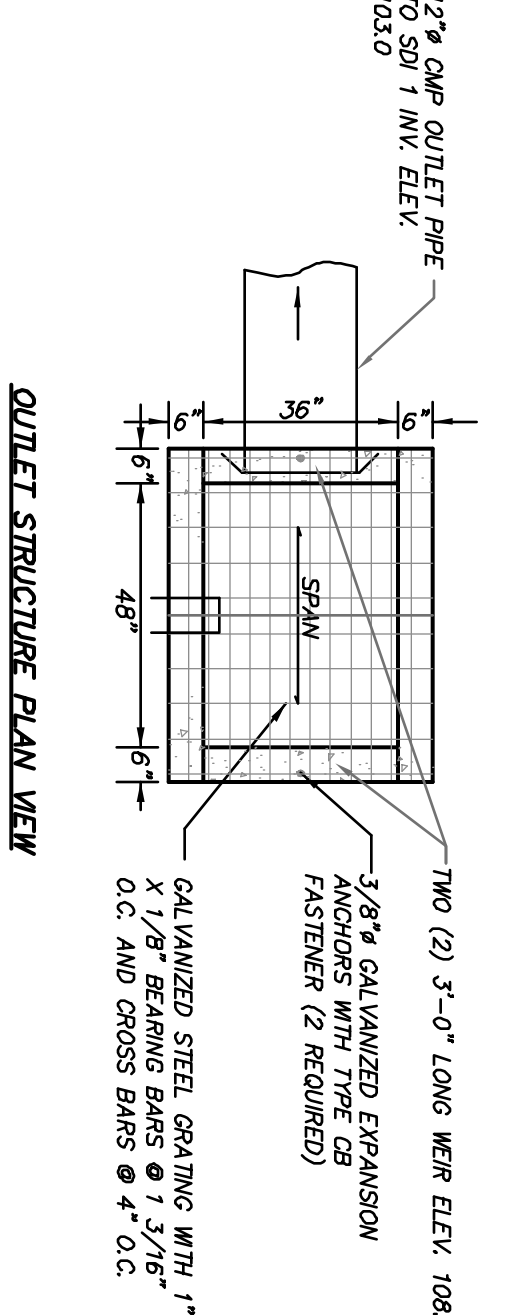


5,000 GALLON CISTERN DETAIL
(TO BE DESIGNED FOR H-20 LOADING)
(N.T.S.)

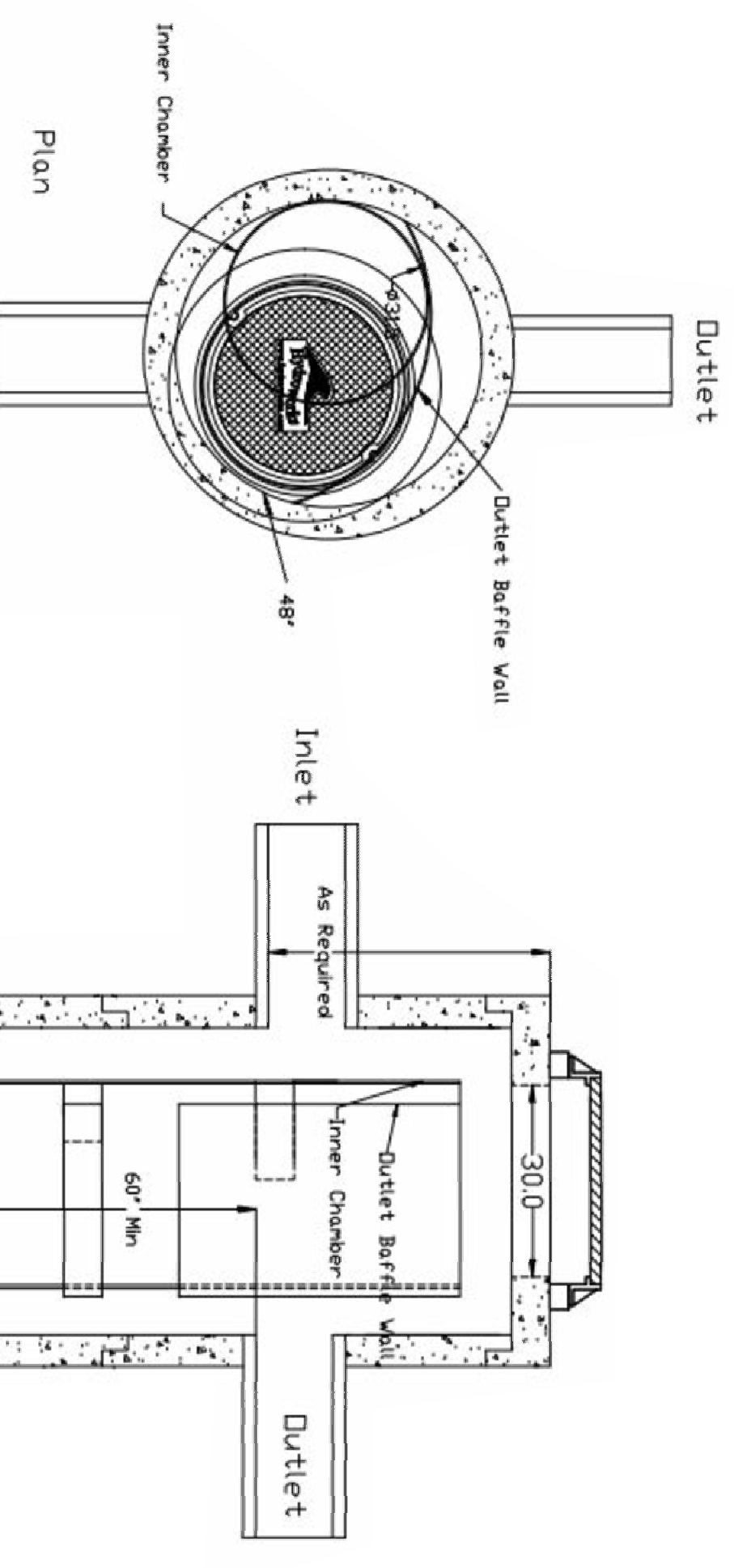
- IRRIGATION SYSTEM NOTES:**
- Three (3) cistern systems are proposed to capture roof runoff from the proposed future storm events.
 - Cistern 1 shall be installed with a pump and distribution piping capable of servicing Planting Area 1 as shown herein. Final design of the irrigation system by irrigation contractor.
 - Cistern 2 shall be installed with a pump and distribution piping capable of servicing Planting Area 2 as shown herein. Final design of the irrigation system by irrigation contractor.
 - Cistern 3 shall be installed with a pump and distribution piping capable of servicing Planting Area 3 as shown herein. Final design of the irrigation system by irrigation contractor.
 - Irrigation distribution and piping shall be installed prior to the installation of finished asphalt and concrete surfaces.
 - Irrigation contractor to provide as-built of system to City of Beacon Building Department.



IRRIGATION SCHEMATIC
SCALE: 1"=50'



SAND FILTER 1.0P (NYSDC DESIGN F-1) OUTLET STRUCTURE (OS SF) DETAIL
(N.T.S.)



US Patent No. 6,951,619

Dimensions in inches.
The minimum total depth = 48\"/>

Measurements should be inspected once per year for stabilization sites.
Inspection will determine the maintenance frequency (annual maintenance or once every two years typical for sites with unstable conditions exposed soil or materials storage) will require more frequent inspection and maintenance.

HYDROGUARD HG-4 HYDRODYNAMIC SEPARATORS (HDS 5 & 10)
(N.T.S.)

NO.	DATE	REVISIONS PER CITY CONSULTANT COMMENTS	BY
4	7-25-17	REVISIONS PER CITY CONSULTANT COMMENTS	AL
3	6-27-17	REVISIONS PER CITY CONSULTANT COMMENTS	C/D
2	5-30-17	REVISIONS PER CITY CONSULTANT COMMENTS	C/D
1	4-25-17	REVISIONS PER CITY CONSULTANT COMMENTS	C/D

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Garrett, NY 14852
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www.insite-ny.com

WEST END LOFTS

163 COTT AVENUE, BEACON, NEW YORK 12508

PROJECT NUMBER	PROJECT MANAGER	J.L.C.	DRAWING NO.	SHEET
16226.100	AS SHOWN BY	J.L.L.	D-5	14