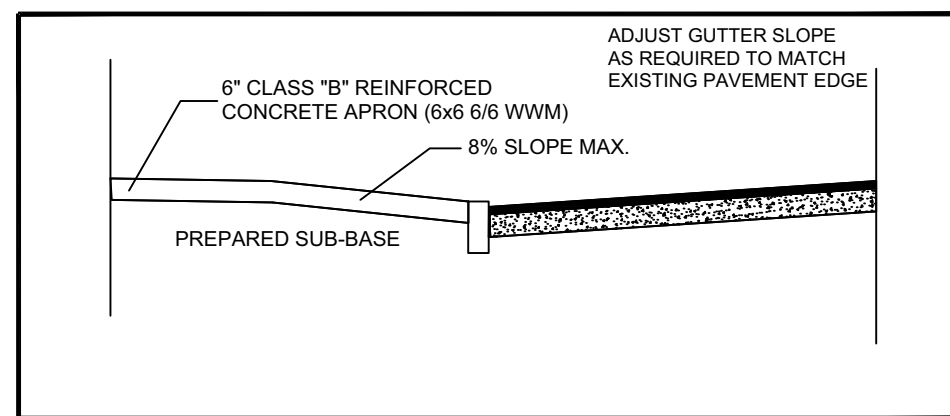
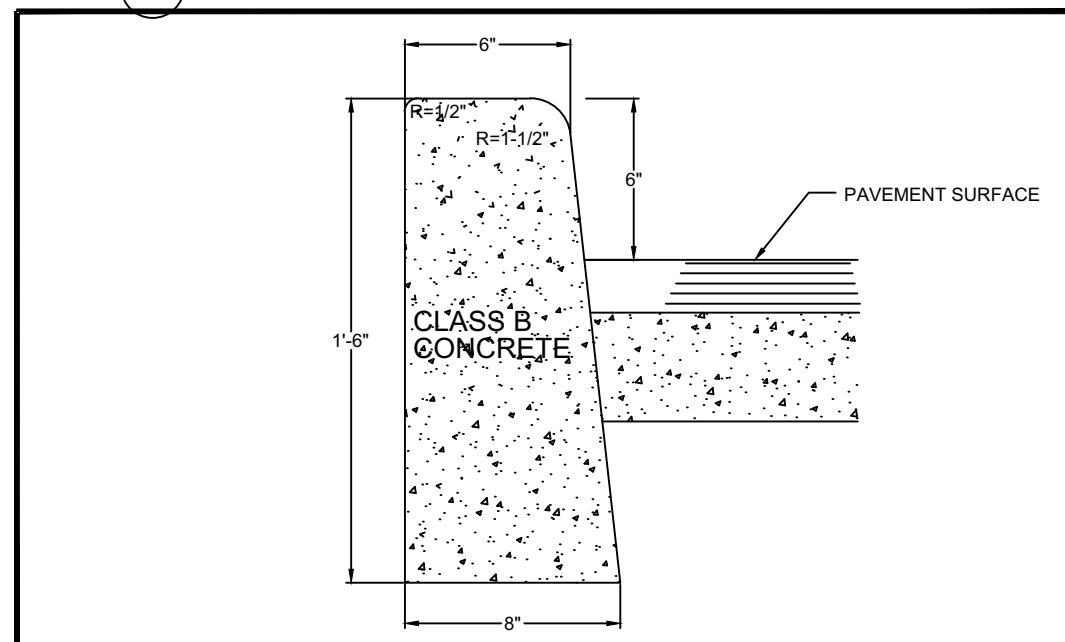


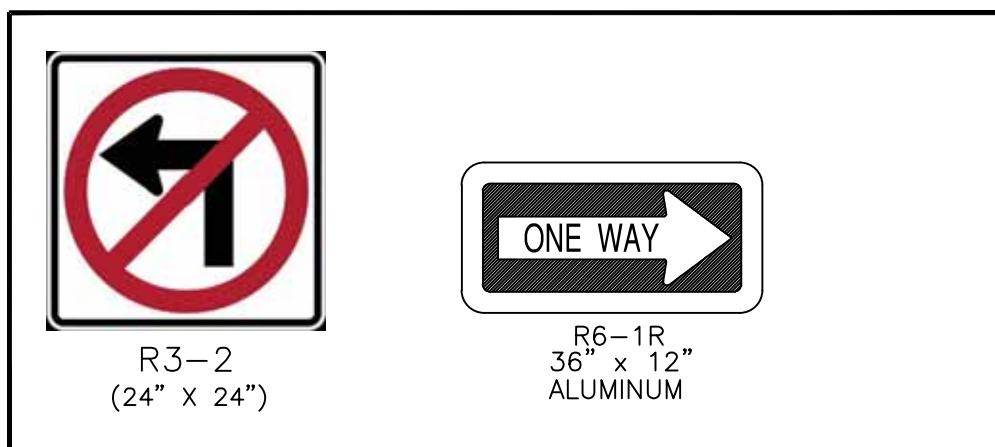
1 TYPICAL WATER SERVICE CONNECTION  
(TYPICAL OR AS REQUIRED BY CITY ENGINEER)



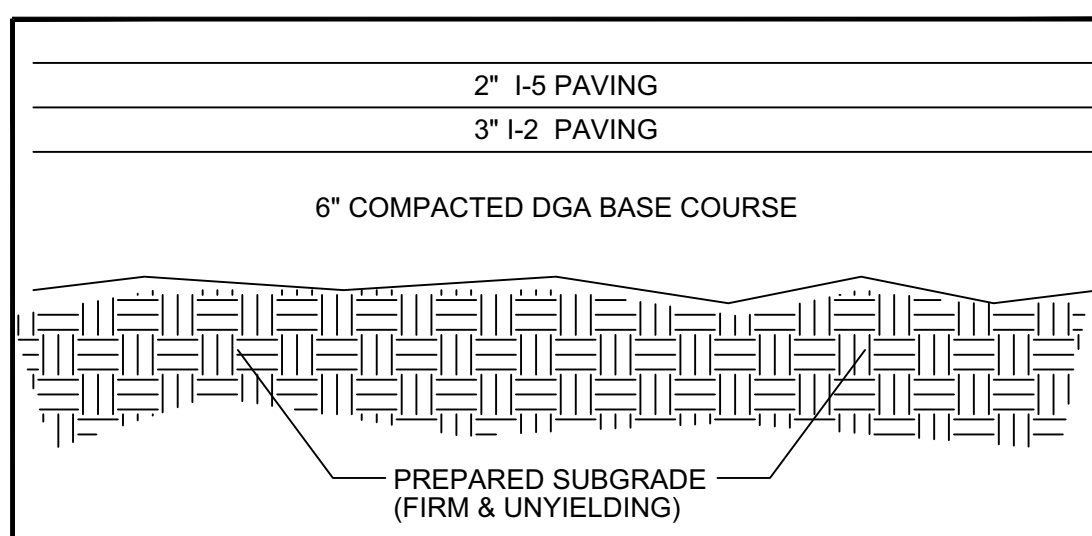
2 PROPOSED DRIVEWAY DETAIL



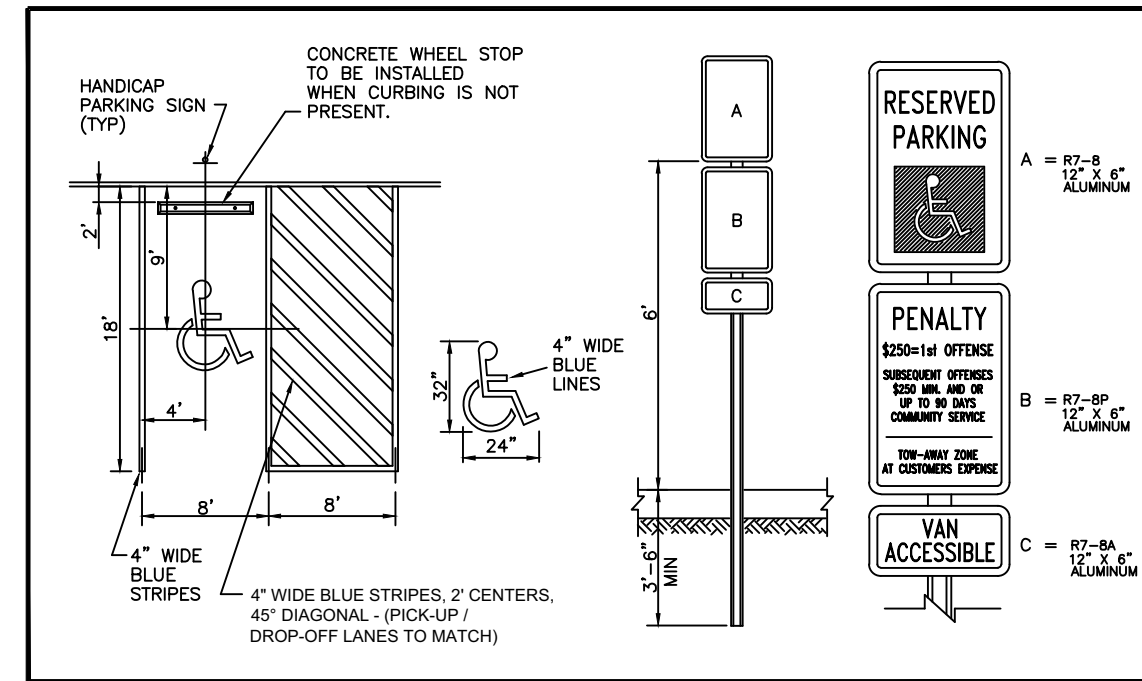
3 CONCRETE CURB DETAIL



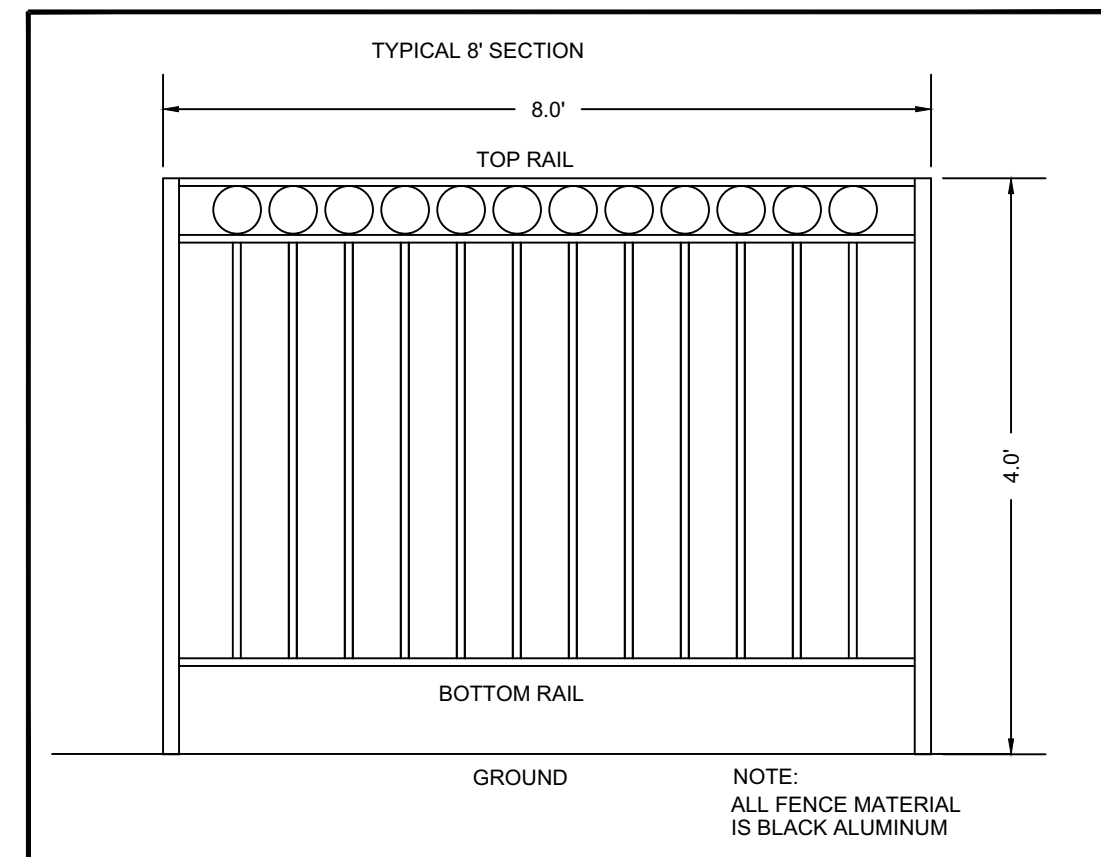
5 MISC. TRAFFIC SIGNAGE DETAILS



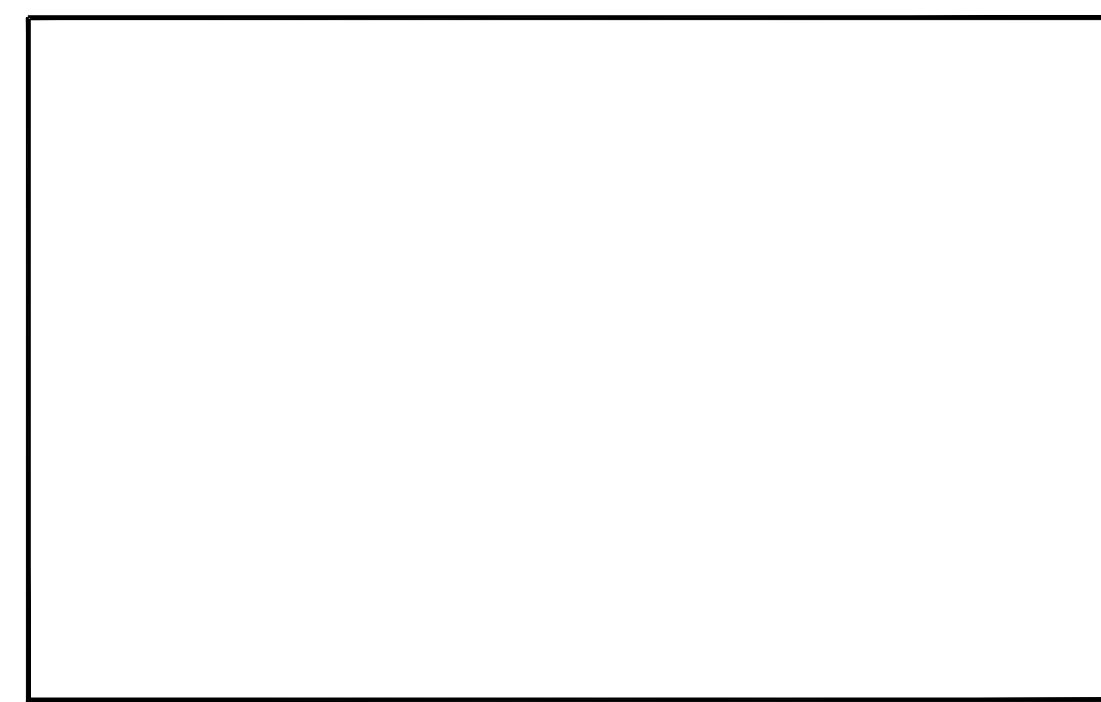
6 ASPHALT PAVING DETAIL (MEDIUM SUBGRADE)  
(Sunset Avenue R-O-W)



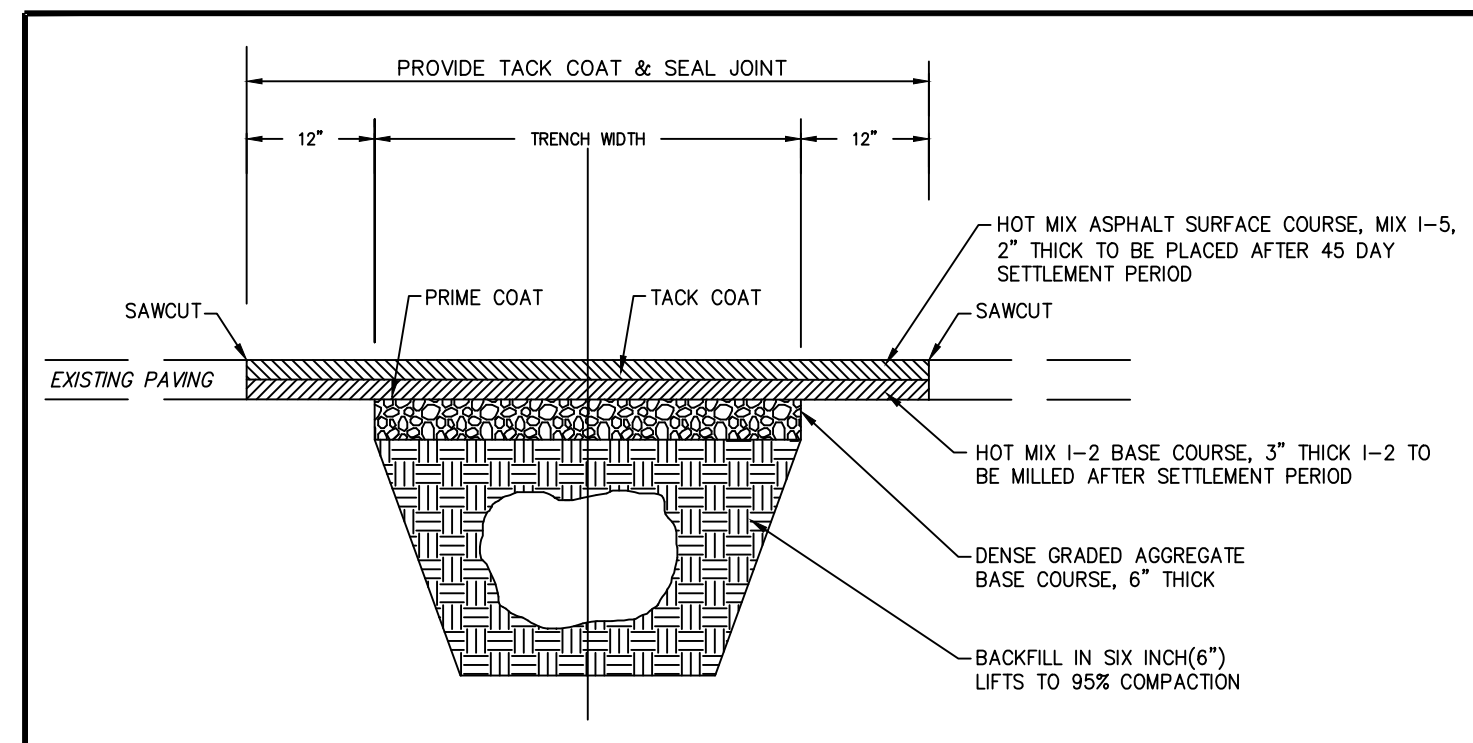
7 HANDICAPPED PARKING DETAIL



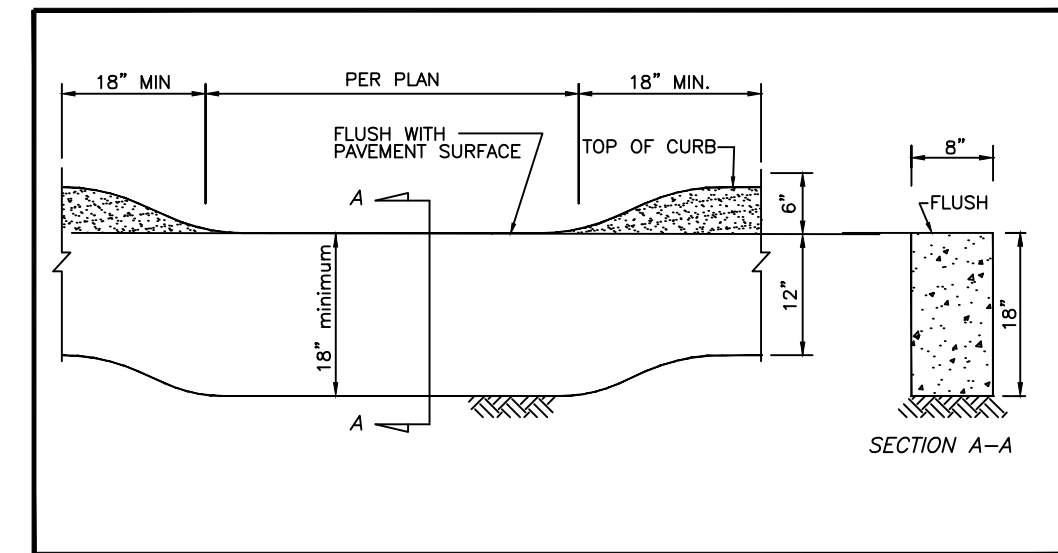
8 ORNAMENTAL FENCE ELEVATION



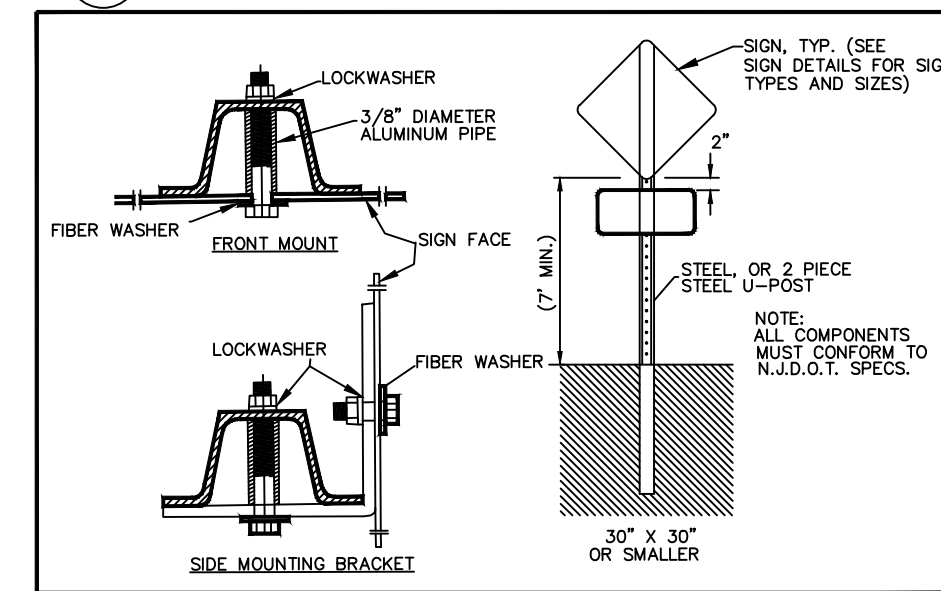
9 RESERVED



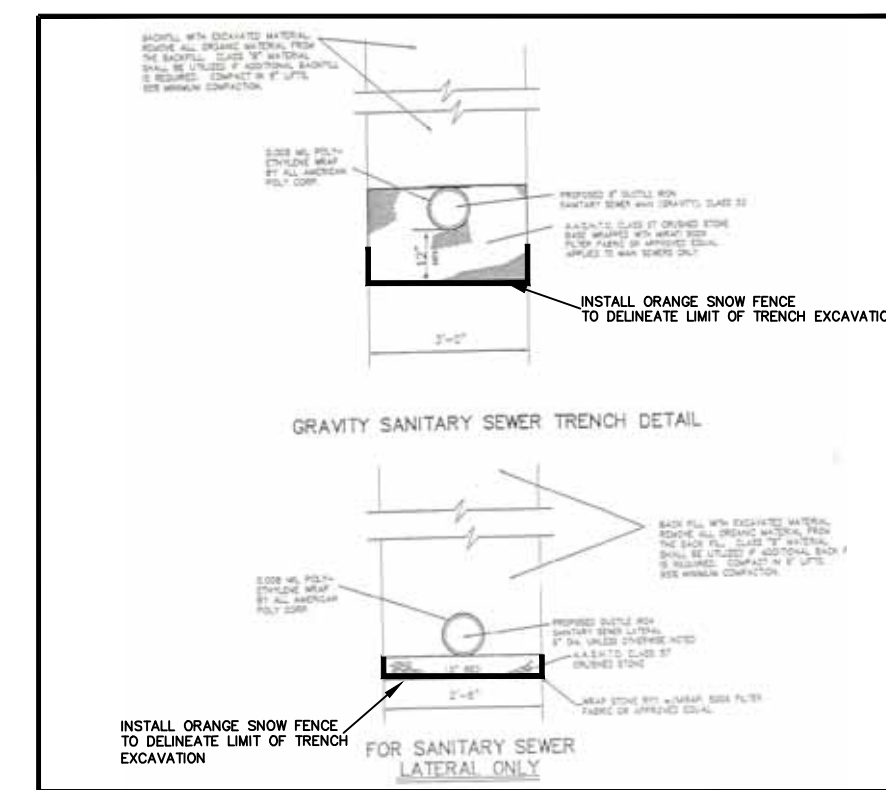
10 ROAD RESTORATION DETAIL



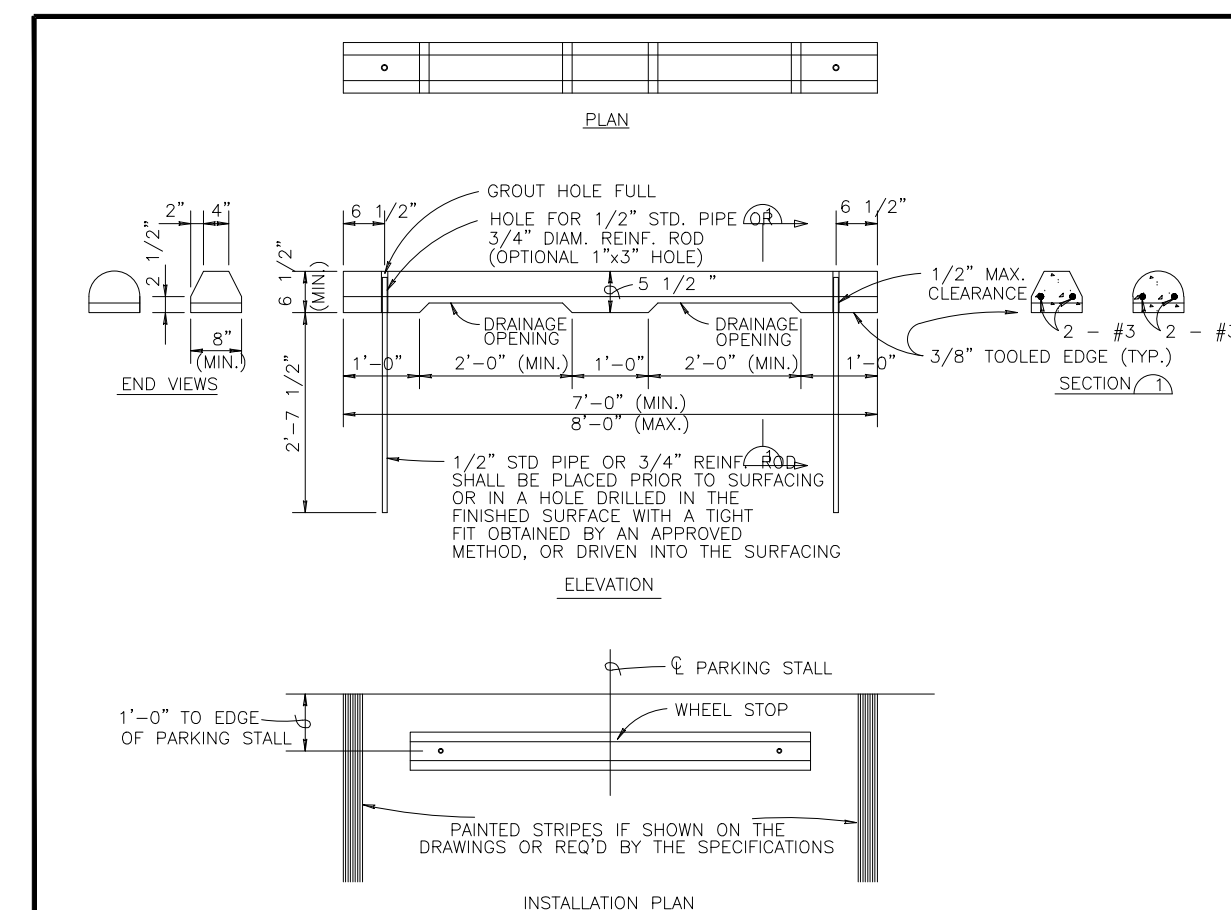
11 DEPRESSED CURB DETAIL



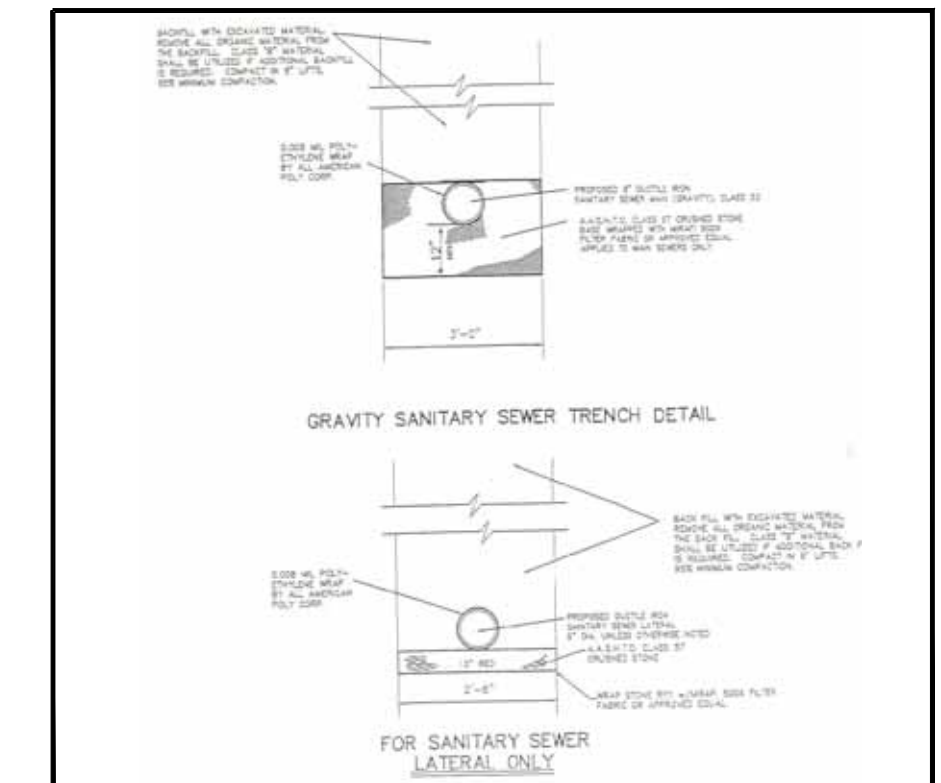
12 SIGN MOUNTING DETAILS



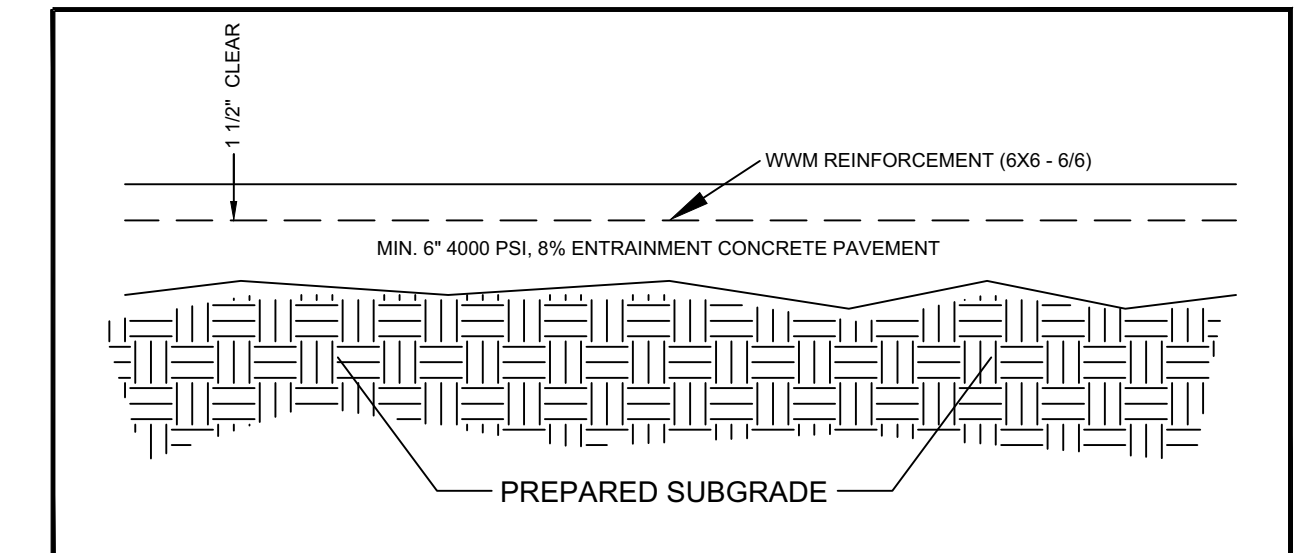
13 SANITARY SEWER TRENCH DETAILS



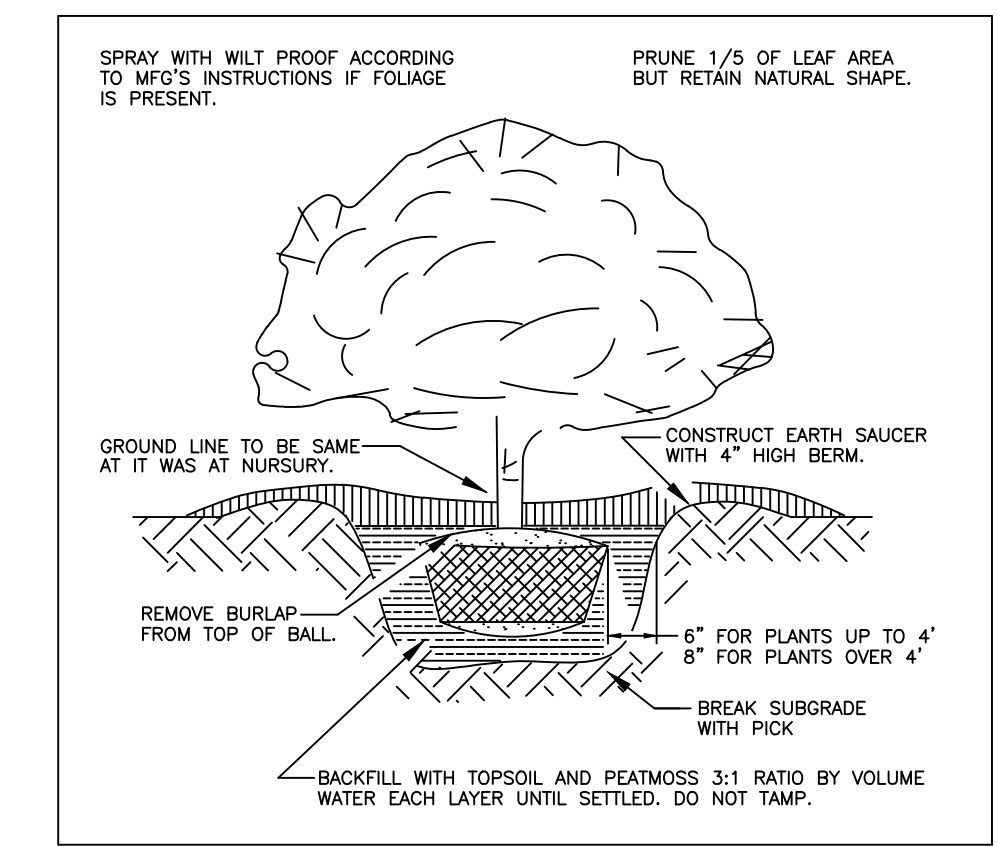
14 PRECAST CONCRETE WHEEL STOP DETAILS



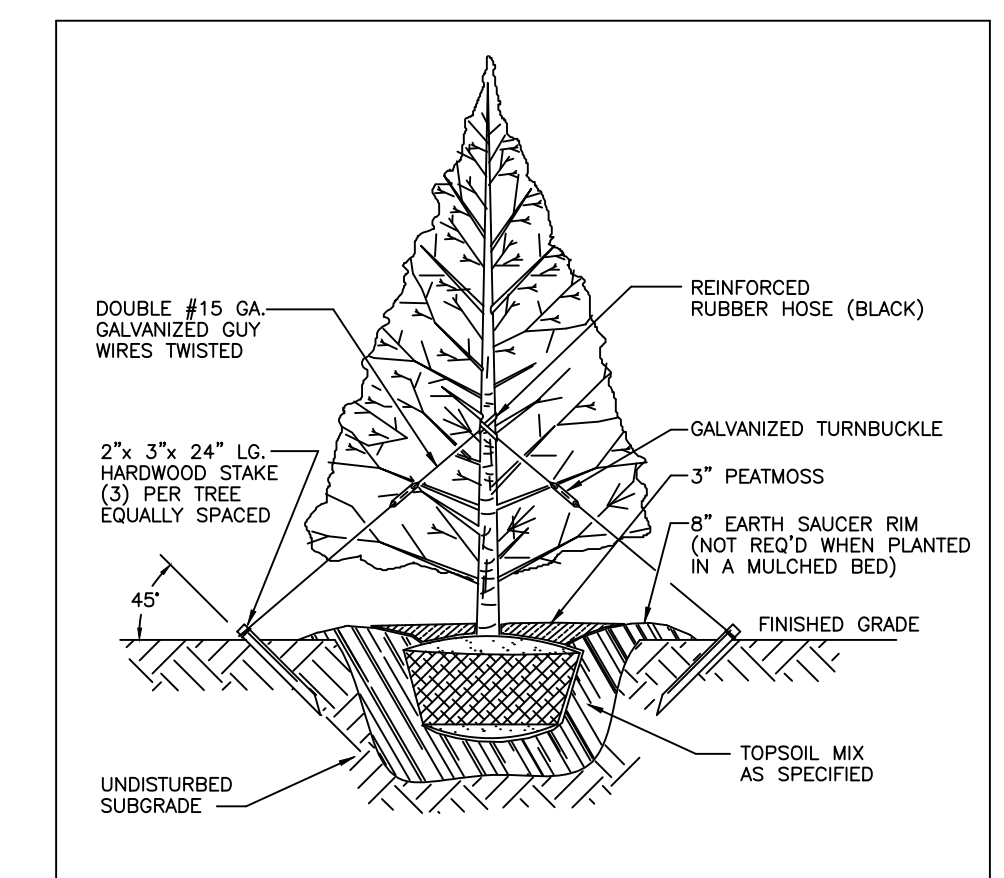
15 SANITARY SEWER TRENCH DETAILS



16 REINFORCED CONCRETE PAVING DETAIL



17 SHRUB PLANTING DETAIL



18 EVERGREEN PLANTING DETAIL

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ALL WORK SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND SAFETY REQUIREMENTS AND SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST PROVISIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), THE HIGH VOLTAGE PROXIMITY ACT, STATE OF NEW JERSEY, ADOPTED TO THE NEW JERSEY UNIFORM CONSTRUCTION CODE, BOCA, ASTM SPECIFICATIONS, ALL LOCAL ORDINANCES AND PERMIT CONDITIONS.

A.W. PONZIO CO. & ASSOCIATES, INC. RESPONSIBILITIES DO NOT INCLUDE ANY FIELD INSPECTION, CONSTRUCTION MANAGEMENT, CONSTRUCTION OR CONTRACTORS COMPLIANCE WITH CONSTRUCTION DOCUMENTS.



**ARTHUR W. PONZIO CO. & ASSOCIATES, INC.**  
SURVEYORS, PLANNERS, ENGINEERS  
400 NORTH DOVER AVENUE, ATLANTIC CITY, N. J. 08401  
PHONE: 609-344-5194 FAX: 609-344-1594  
NEW JERSEY STATE AUTH. NO.: 24GA28001300

NO.	DATE	BY	DESCRIPTION	NO.	DATE	BY	DESCRIPTION
1	10/30/13	NZ	FLOOD HAZARD COMPLIANCE / CRDA				
2	4/17/13	NZ	NJDEP COMMENT RESPONSE				
3	8/18/14	NZ	CRDA RESPONSE				
4	10/13/14	NZ	CRDA COMMENTS				
REVISIONS							

*Arthur W. Ponzio, Jr.*  
ARTHUR W. PONZIO, JR. DATE: 2676  
PROFESSIONAL PLANNER N.J. NO. L100581500  
PROFESSIONAL LAND SURVEYOR N.J. NO. GS28314

JON J. BARNHART DATE: 2676  
PROFESSIONAL PLANNER N.J. NO. L100581500  
PROFESSIONAL ENGINEER N.J. NO. GE43483

**SITE DETAILS**  
BLOCK 386 LOTS 3 & 4, BLOCK 387 LOTS 9 & 10  
CITY OF ATLANTIC CITY ATLANTIC COUNTY NEW JERSEY  
SCALE: NTS  
DATE: 8/15/12

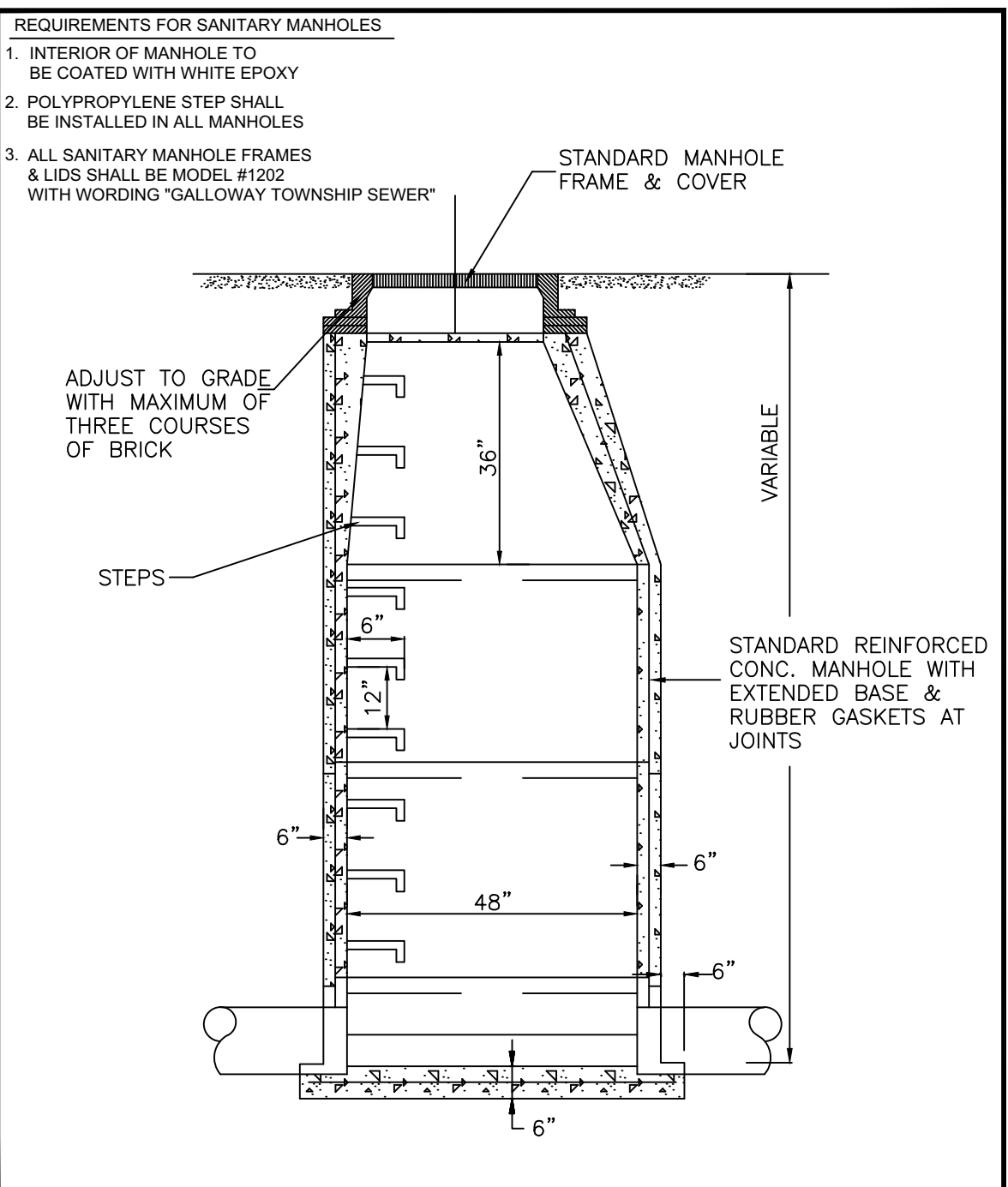
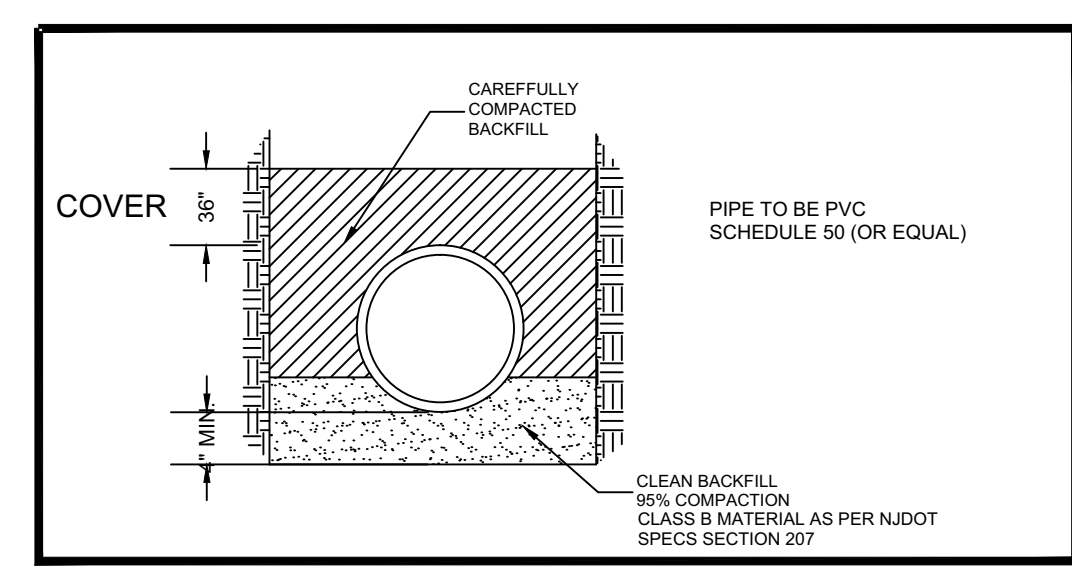
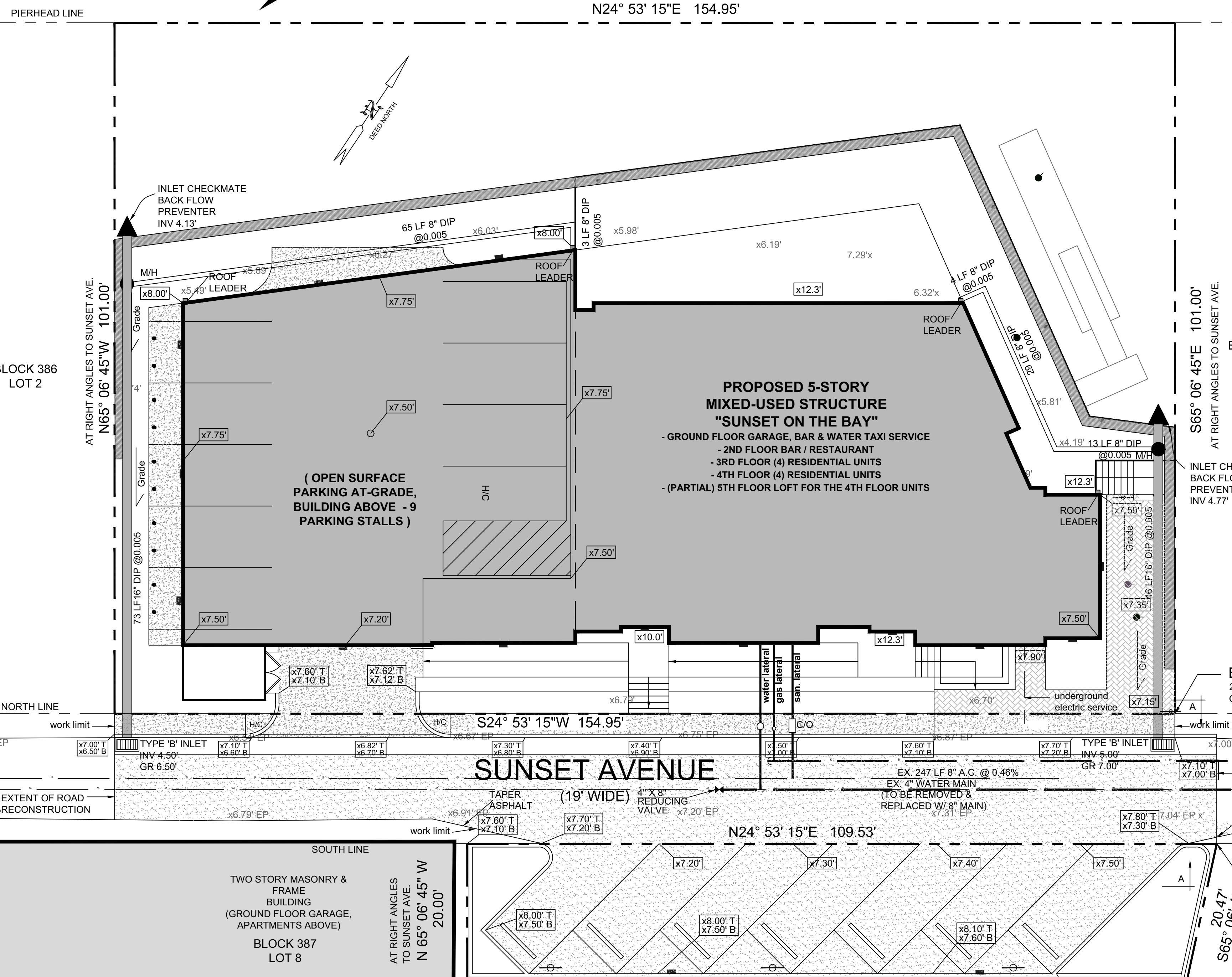
BY: N. ZURINSKAS  
PROJ. NO.: 30570

C-5

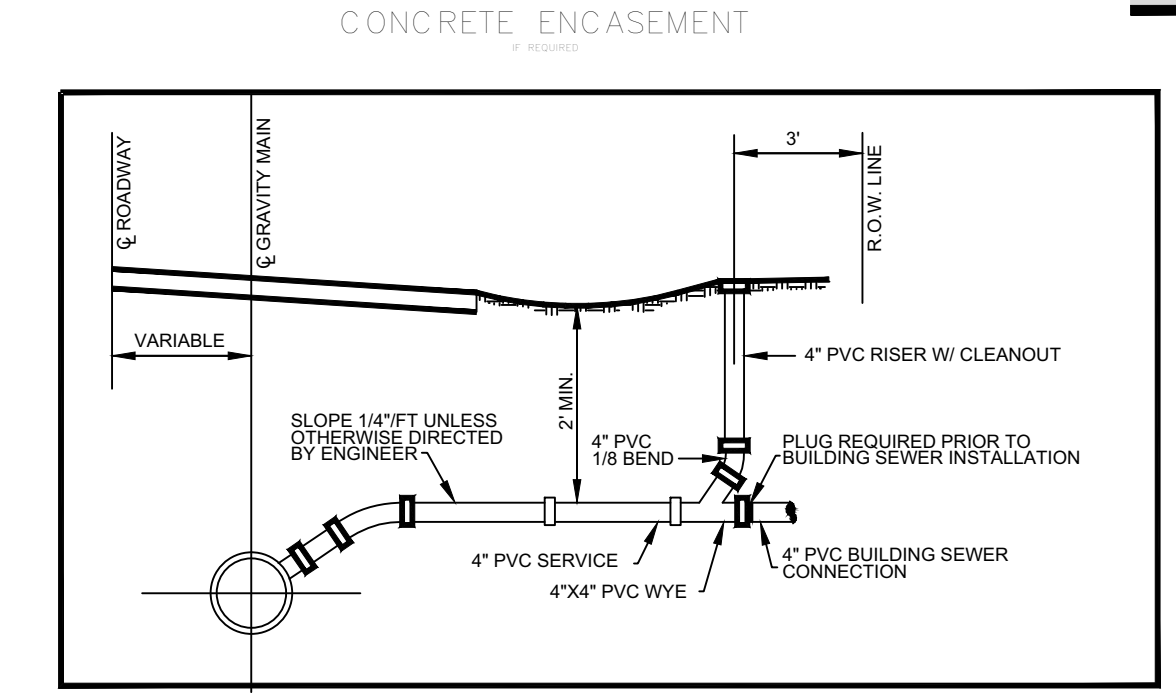
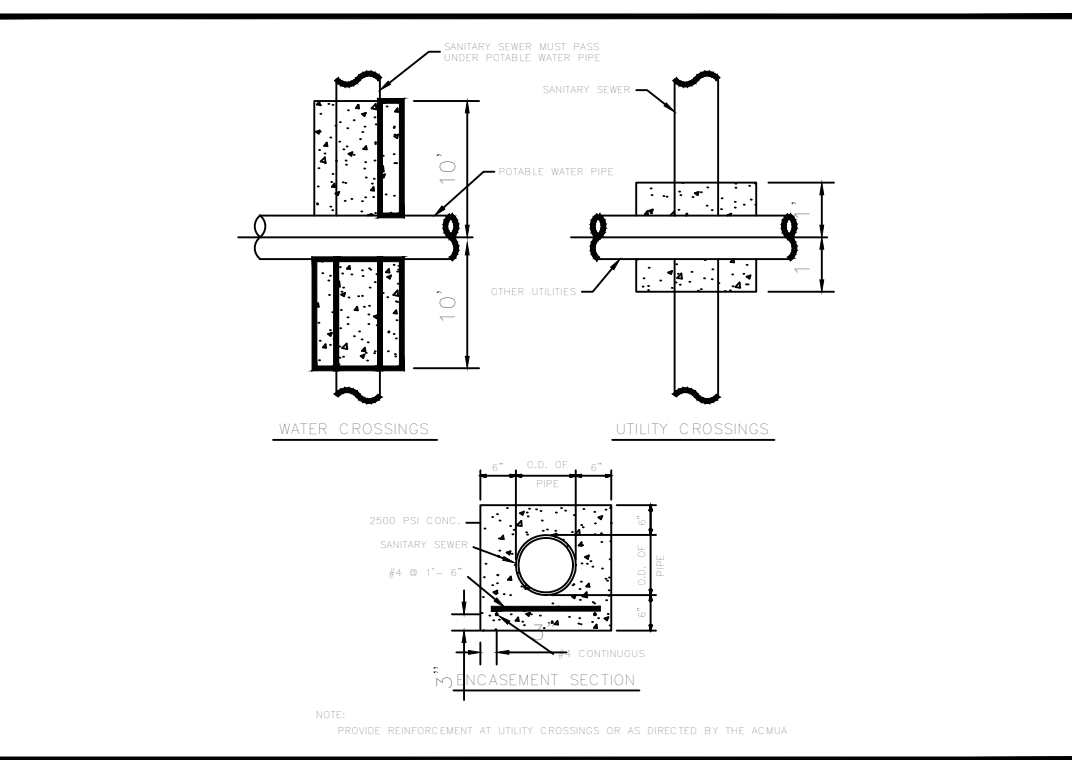


# BEACH THOROFARE

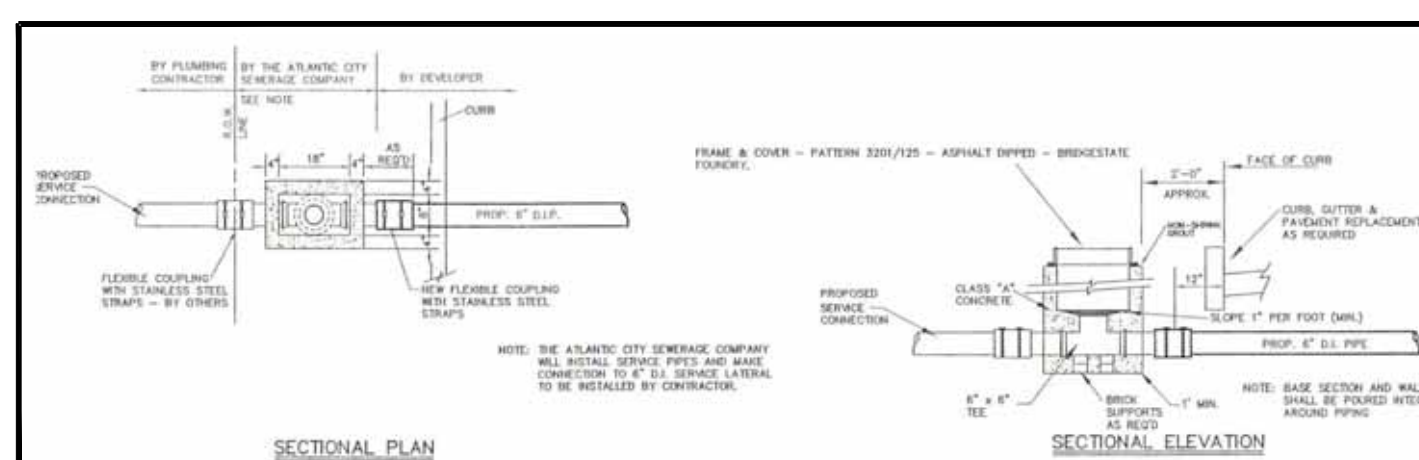
PARALLEL WITH SUNSET AVE.  
N24° 53' 15"E 154.95'



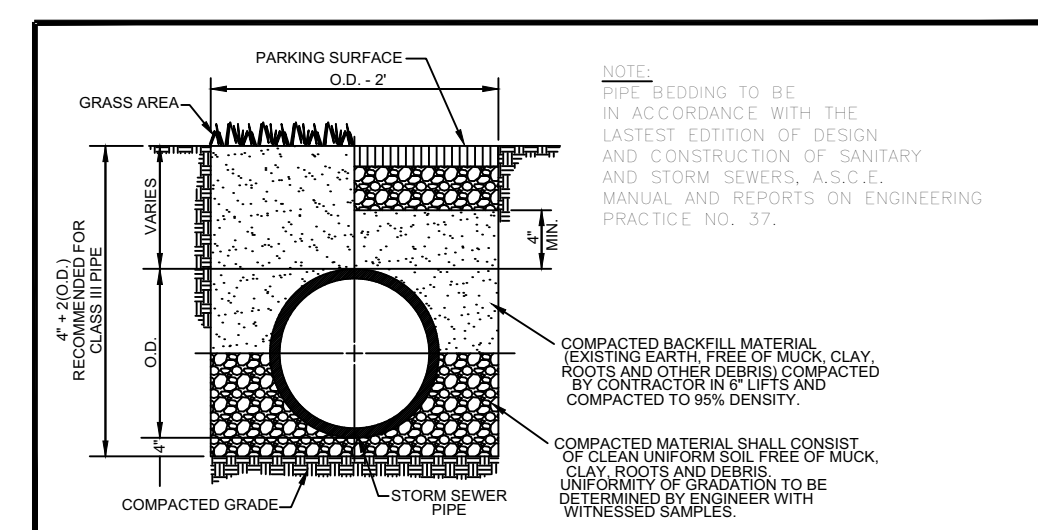
STANDARD PRECAST MANHOLE DETAIL  
STORM & SANITARY



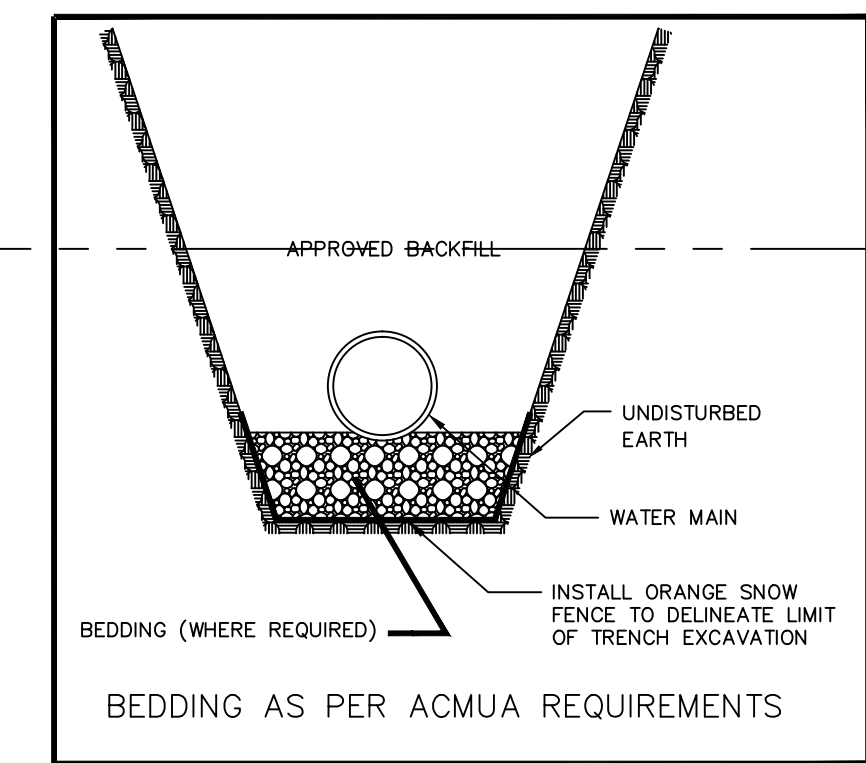
SANITARY SEWER LATERAL



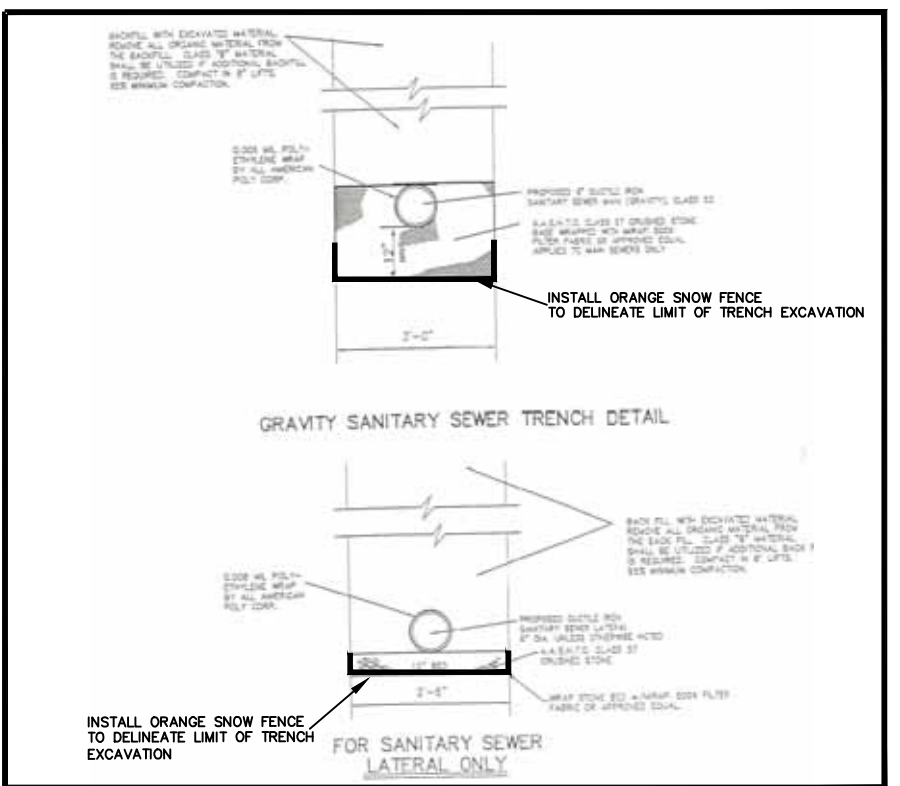
SANITARY SERVICE BOX DETAIL



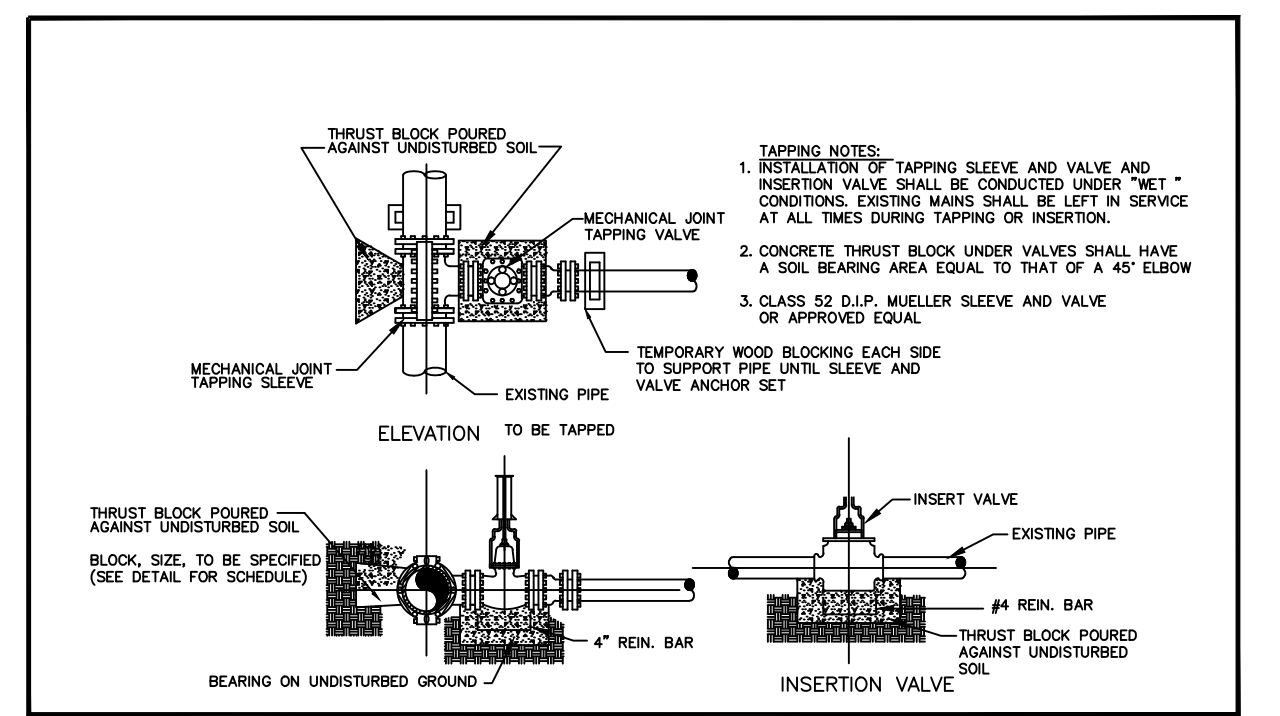
STORM SEWER BEDDING DETAIL



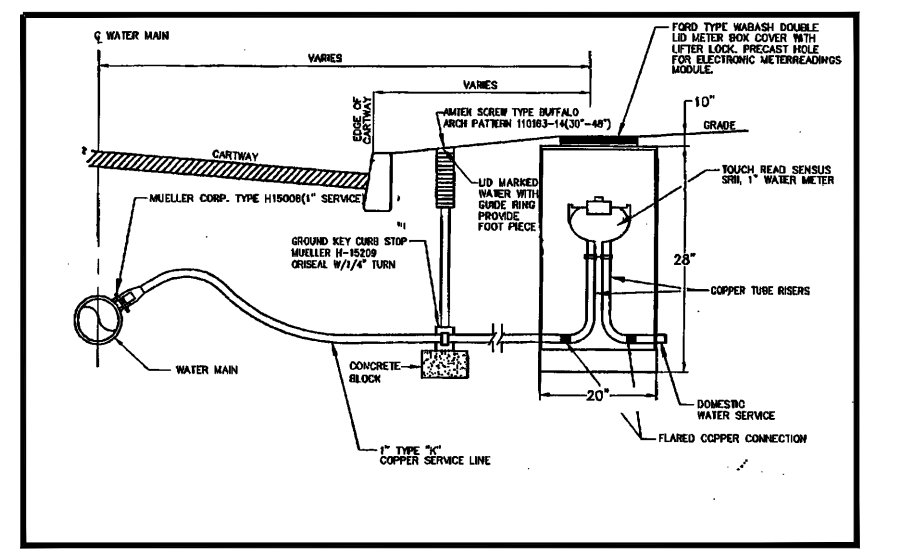
BEDDING AS PER ACMA REQUIREMENTS



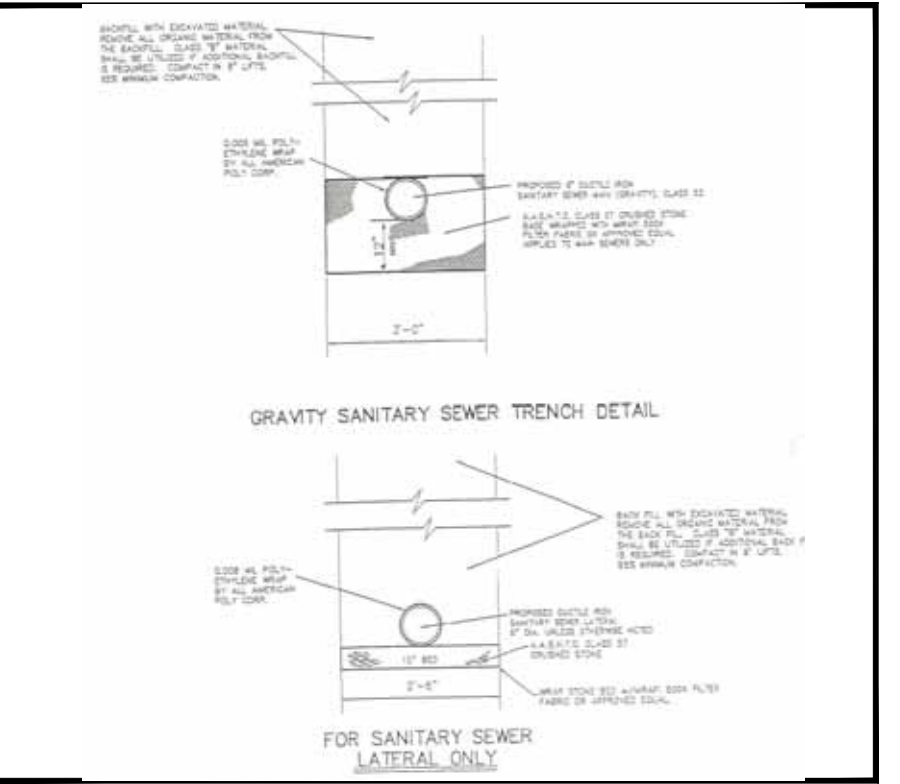
SANITARY SEWER TRENCH DETAILS



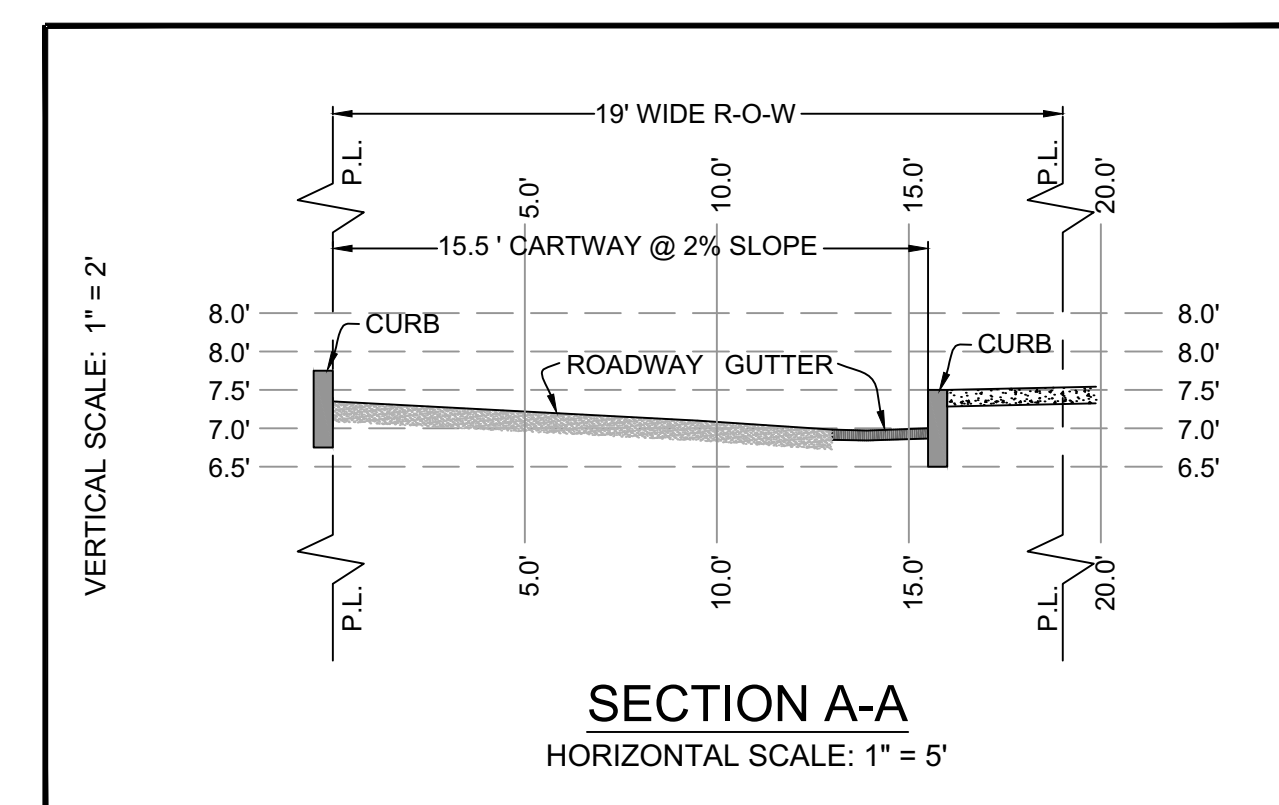
8 TAPPING VALVE AND SLEEVE ASSEMBLY



TYPICAL WATER SERVICE CONNECTION

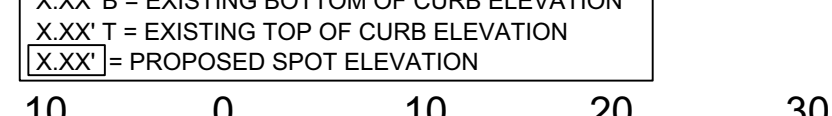


SANITARY SEWER TRENCH DETAILS



SECTION A-A

ELEVATION LEGEND  
 X.XX' = EXISTING SPOT ELEVATION NGVD 1929  
 X.XX' B = EXISTING BOTTOM OF CURB ELEVATION  
 X.XX' T = EXISTING TOP OF CURB ELEVATION  
 X.XX' = PROPOSED SPOT ELEVATION



GRAPHIC SCALE IN FEET

AWP  
 ARTHUR W. PONZIO CO. & ASSOCIATES, INC.  
 SURVEYORS, PLANNERS, ENGINEERS  
 400 NORTH DOVER AVENUE, ATLANTIC CITY, N. J. 08401  
 PHONE: 609-344-5194 FAX: 609-344-1594  
 NEW JERSEY STATE AUTH. NO.: 24GA28001300

NO.	DATE	BY	DESCRIPTION	NO.	DATE	BY	DESCRIPTION
1	5/23/14	NZ	PER CRDA REVIEW COMMENTS				
2	8/18/14	NZ	CRDA RESPONSE				
3	10/13/14	NZ	CRDA COMMENTS				
4	11/13/14	NZ	CRDA COMMENTS				

NO.	DATE	BY	DESCRIPTION	NO.	DATE	BY	DESCRIPTION

ARTHUR W. PONZIO, JR.  
 PROFESSIONAL PLANNER N.J. NO. 2676  
 PROFESSIONAL LAND SURVEYOR N.J. NO. GS28314

JON J. BARNHART  
 PROFESSIONAL PLANNER N.J. NO. LI00581500  
 PROFESSIONAL ENGINEER N.J. NO. GE43483

GRADING, DRAINAGE & UTILITY PLAN  
 BLOCK 386 LOTS 3 & 4, BLOCK 387 LOTS 9 & 10  
 CITY OF ATLANTIC CITY ATLANTIC COUNTY NEW JERSEY  
 SCALE: 1" = 10'  
 DATE: 8/15/12  
 BY: N. ZURINSKAS  
 PROJ. NO.: 30570



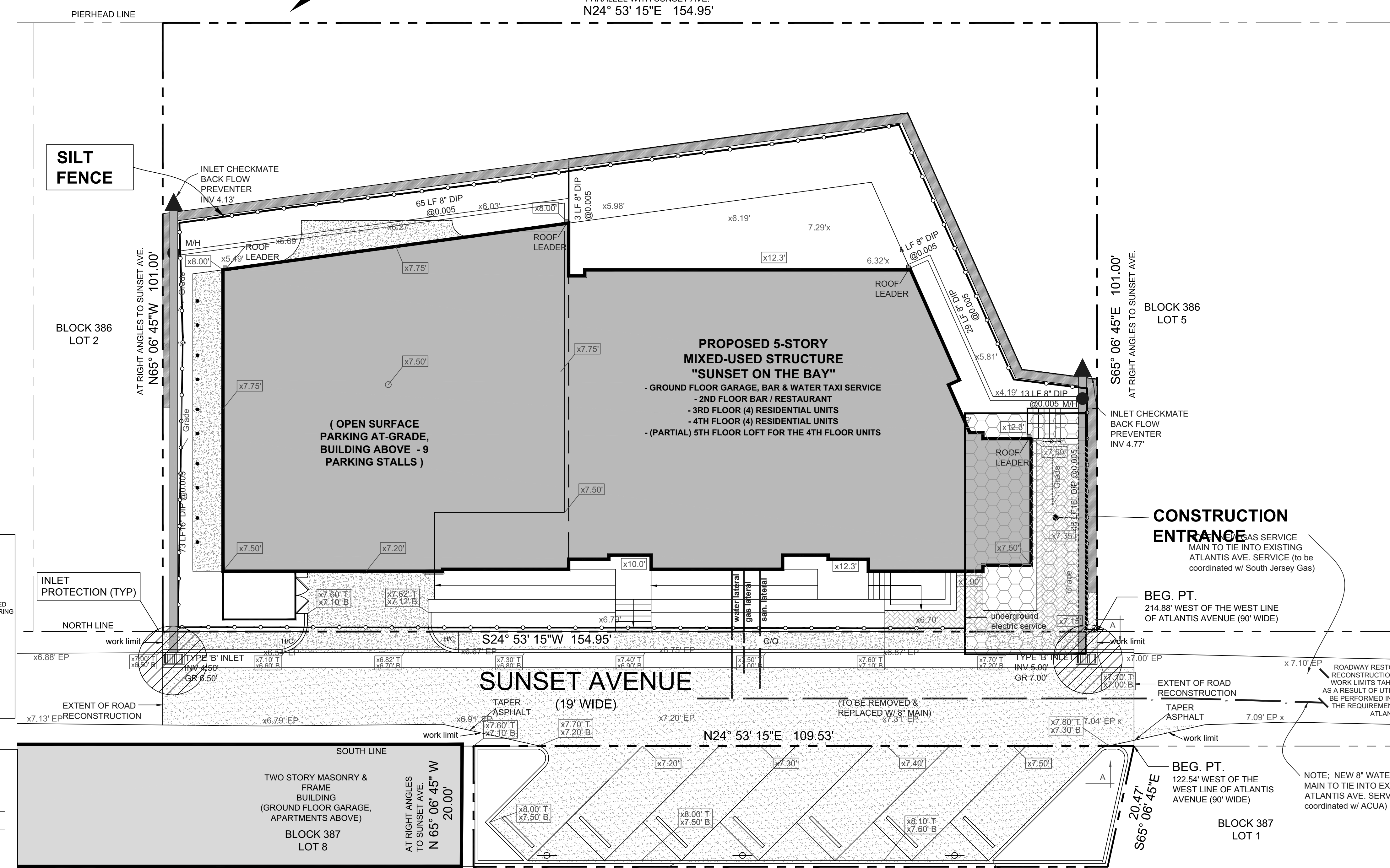
**SOIL EROSION AND SEDIMENT CONTROL NARRATIVE**

- STRUCTURAL MEASURES**
- STABILIZED CONSTRUCTION ENTRANCE:** The Contractor shall construct a temporary stone apron at the designated entrances to the site to limit mud tracking onto area roadways. It shall consist of ASTM C-33, size #20 crushed stone surface 30' wide x 50' long x 8" deep.
  - HAY BALE DAM:** The Contractor shall construct a Hay Bale Dam around all stockpile areas. The Hay Bale Dam shall be constructed with the following provisions:
    - Bales shall be placed in a row with ends tightly abutting the adjacent bales.
    - Each bale shall be embedded in the soil a minimum of 4".
    - Bales shall be securely anchored in place by stakes, steel pickets, or rebars driven through the bales. The first stake in each bale shall be angled toward the previously laid bale.
    - Inspection shall be frequent and repair or replacement shall be made promptly as needed.
    - The sediment collected along the hay bales shall be periodically gathered and placed on the site.
    - Bales shall be removed when they have served their usefulness so as not to block or impeded storm flow or drainage.
  - SILT FENCE:** A silt fence shall be constructed at locations shown on the Engineering Plan. Installation will be as follows:
    - Install fence posts 8' o.c. on a slight angle toward the anticipated runoff source.
    - Dig a 6" trench along the uphill side of the fence line.
    - Lay out silt fence fabric along post line.
    - Wrap fabric around the first post and tie securely with cord.
    - Take fabric to the next post and make at 1 1/2" silt in the hem directly above the cord.
    - Repeat above step until last post is reached, wrap fabric around the post and secure with the cord.
    - Drape the lower 6" of fabric in the trench, curled up-hill.
    - Back fill trench.
  - LOW POINT INLET SEDIMENT FILTER:** The Contractor shall construct low point inlet sediment filters at those locations on the Engineering Plan to prevent the transport of sediment into the stormwater management system and surface water bodies. The Inlet Sediment Filter shall consist of:
    - Hardware cloth or comparable wire mesh with 1/2" openings shall be placed over the curb inlet opening so that at least 12" of wire extends across the concrete gutter from the inlet opening.
    - Stones shall be piled against the wire so as to anchor it against the gutter and inlet cover and to cover the inlet opening completely. Two to three inches of coarse aggregate shall be used.
    - If the stone filter becomes clogged with sediment so that it no longer adequately performs its function, the stone must be pulled away from the inlet, cleaned and replaced.
- NON-STRUCTURAL MEASURES**
- PERMANENT VEGETATION:** Immediately following the completion of construction activities at the site, the Contractor shall stabilize with permanent vegetative cover all exposed and disturbed soils. Permanent vegetative cover shall be accomplished as specified below:
    - Topsoiling:** The Contractor shall prepare areas to be stabilized with permanent vegetative cover by applying topsoil to a uniform depth of 4". Topsoil shall be friable and loamy and of good quality.
    - Seedbed Preparation:** Immediately following topsoiling the Contractor shall apply pulverized dolomitic limestone at the rate of 50 pounds per 1000 square feet and fertilizer (10-20-10) at the rate of 14 pounds per 1000 square feet. The lime and fertilizer shall then be worked into the soil to a depth of 4" with a disc springtooth harrow or other suitable equipment.
    - Seeding:** Seed shall consist of 31% perennial ryegrass, 23% chewings red fescue, 23% Kentucky bluegrass, applied at the rate of 3 pounds per 1000 square feet.
    - Apply mulch uniformly by hand or mechanically. Mulch anchoring shall be accomplished immediately after placement through use of Peg and Twine method (or other approved method).
    - Seeding Dates: 2/15-5/1 or 8/15-10/15. If seed is not planted within these dates, the Contractor shall stabilize with mulch.
  - TEMPORARY VEGETATIVE COVER**
    - Prior to hauling construction for periods longer than 60 days and during the off-season, the Contractor shall stabilize with temporary vegetative cover all exposed soils.
    - Temporary stabilization shall be accomplished by the following methods and materials:
 

Materials	Type	Rate
lime	pulverized dolomitic	90 lbs./1000sf
fertilizer	10-20-10	14 lbs./1000sf
seed	annual ryegrass	3 lbs./1000sf
  - STABILIZATION WITH MULCH ONLY:** Apply unrotted straw or salt hay at the rate of 70lbs./1000 sf. It shall be anchored immediately through the use of Peg and Twine Method.
  - PEG AND TWINE METHOD OF MULCH ANCHORING:** Drive 8-10" wooden pegs to within 2-3 inches of the soil surface every 4' in all directions. Stakes may be driven before or after applying mulch. Secure mulch to soil surface by stretching twine between pegs in a cross-cross and a square pattern. Secure twine around each peg with two or more turns.
  - DUST CONTROL:** To control dust generation on-site, the Contractor shall wet construction traffic routes and staging areas.
  - MAINTENANCE**
    - Maintenance shall occur on a regular basis consistent with favorable plant growth, soil and climatic conditions.
    - When it becomes necessary, the Owner will inform the Contractor of unsatisfactory conditions of erosion and sediment devices, at such time the Contractor shall improve the conditions of said devices to meet with the approval of the Owner.
    - Should unforeseen erosion conditions develop during construction, the Contractor shall take steps to remedy such conditions and to prevent damage to adjacent properties as a result of increased runoff and/or sediment displacement.
    - Seeded areas that have been washed away shall be filled and graded as necessary and then reseeded. This procedure shall be repeated after each storm or until no more signs of erosion are evident.
    - The sediment collected along the temporary diversions shall be periodically gathered and placed back on the site.
    - Control measures shall apply to subsequent owners if site is conveyed.
    - Control measures shall apply to dwelling construction on individual lots. (g. shall apply only to projects where dwellings are being constructed)
- 7. GENERAL**
- Existing vegetative cover beyond the limits of construction shall be retained until final stabilization is complete.
  - The Contractor shall schedule and conduct his operations to minimize erosion of soils and to prevent silting and muddying of streams, rivers, irrigation systems and impoundments (lakes, reservoirs, etc.). Construction of drainage facilities and performance of their contract work which will contribute to the control of erosion and sedimentation shall be carried out in conjunction with earthwork operations or as soon thereafter as practicable.
  - When borrow material is obtained from other than commercially operated sources, erosion of the borrow site shall be so controlled both during and after completion of the work that erosion will be minimized and sediment will not enter streams or other bodies of water. Waste or disposal areas and construction roads shall be located and constructed in a manner that will keep sediment from entering streams.
  - When work areas are located in or adjacent to live streams, such areas shall be separated from the main stream by a dike or other barrier to keep sediment from entering a flowing stream.
  - Water from aggregate washing or other operation containing sediment shall be treated by filtration, a settling basin or other means sufficient to reduce the sediment content to not more than that of the stream into which it is discharged.
  - Pollutants such as fuels, lubricants, bitumens, raw sewage and other harmful materials shall not be discharged into or near rivers, streams and impoundments or into natural or manmade channels leading thereto. Wash water or waste from concrete mixing operations shall not be allowed to enter live streams.
- CONSTRUCTION SCHEDULE**
- Construct temporary soil erosion and sediment control measures.
  - Clearing and grubbing.
  - Install underground utilities and recharge basin. Establish permanent cover.
  - Rough grade.
  - Construction of building.
  - Final grading.
  - Construct parking area and driveway.
  - Collect silt and sediment and place back on site.
  - Landscape treatment.

**BEACH THOROFARE**

PARALLEL WITH SUNSET AVE.  
N24° 53' 15"E 154.95'



**SILT FENCE**

BLOCK 386 LOT 2

BLOCK 386 LOT 5

**PROPOSED 5-STORY MIXED-USED STRUCTURE "SUNSET ON THE BAY"**

- GROUND FLOOR GARAGE, BAR & WATER TAXI SERVICE
- 2ND FLOOR BAR / RESTAURANT
- 3RD FLOOR (4) RESIDENTIAL UNITS
- 4TH FLOOR (4) RESIDENTIAL UNITS
- (PARTIAL) 5TH FLOOR LOFT FOR THE 4TH FLOOR UNITS

(OPEN SURFACE PARKING AT-GRADE, BUILDING ABOVE - 9 PARKING STALLS)

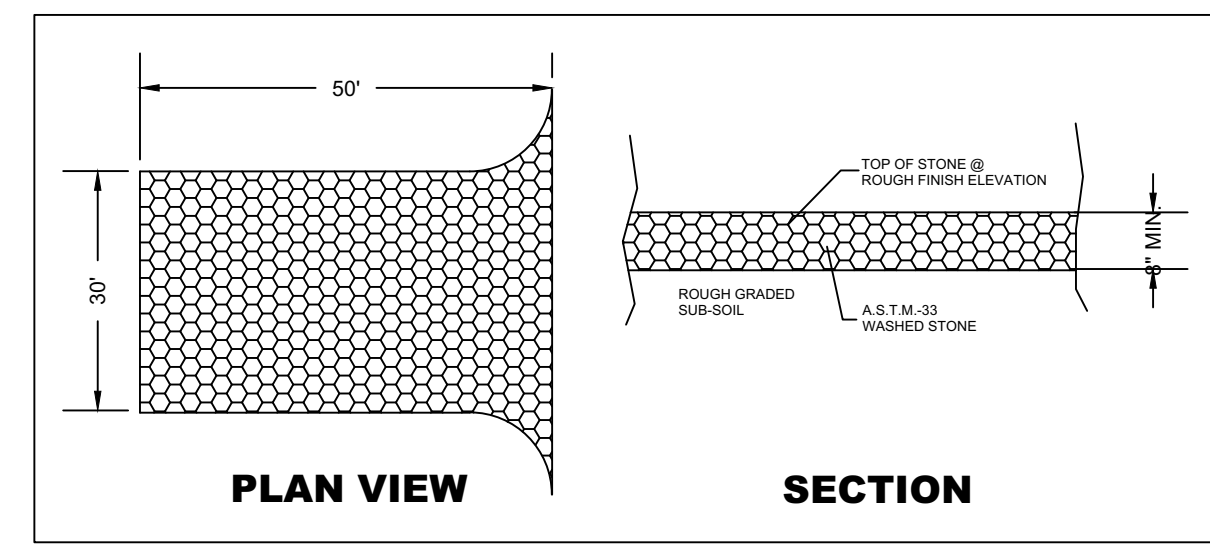
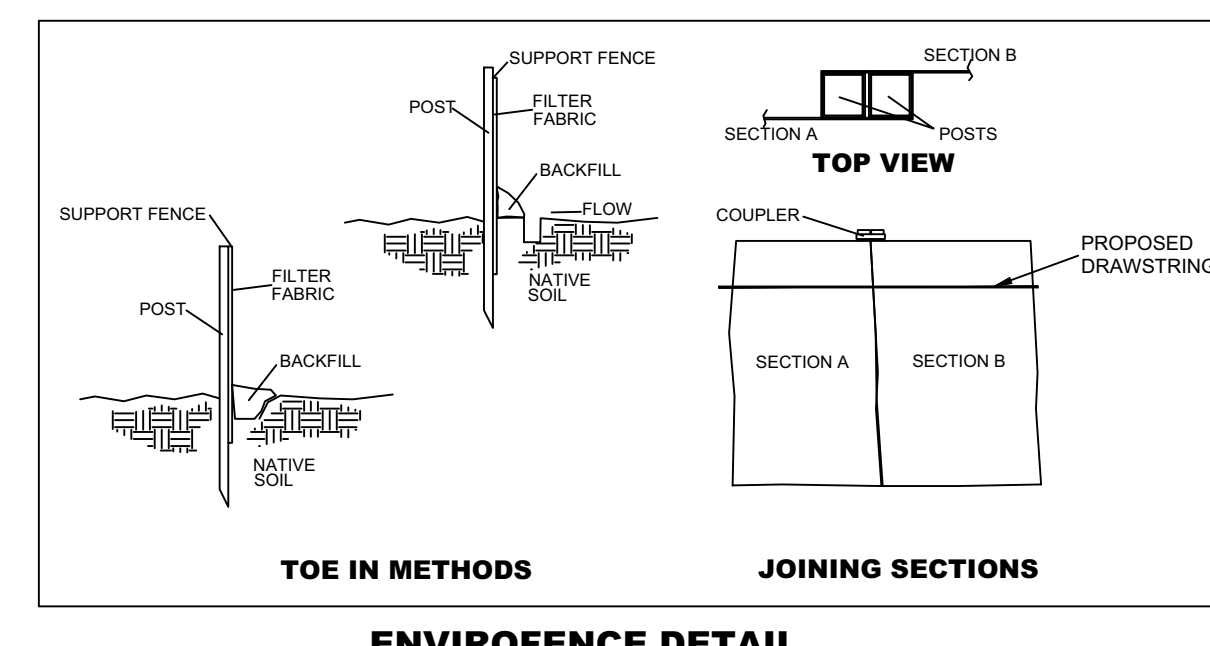
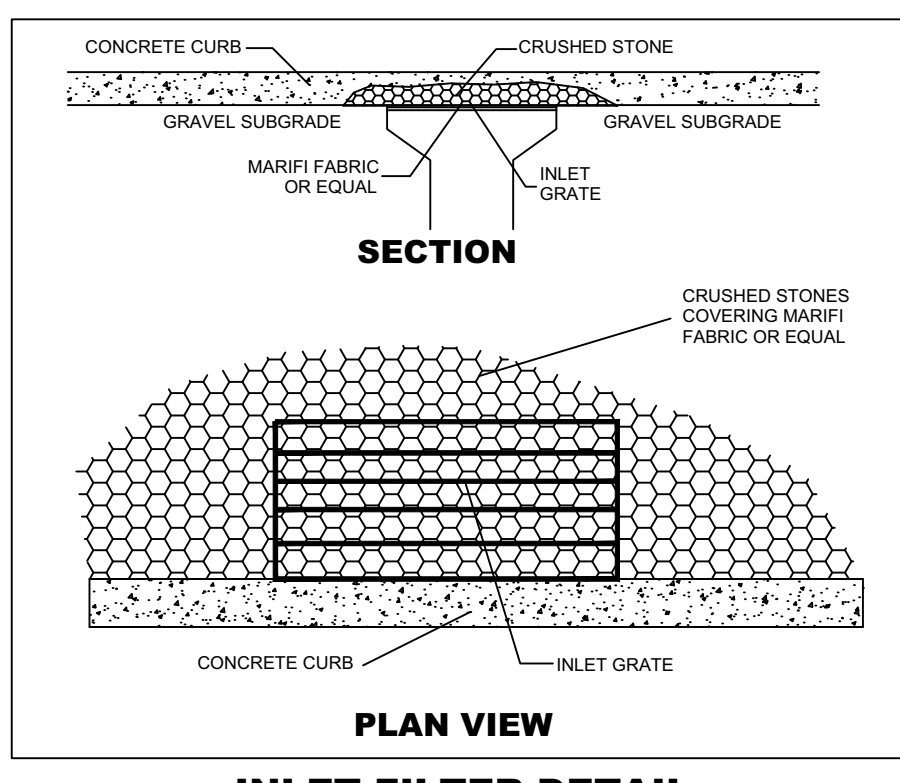
**CONSTRUCTION ENTRANCE**

AS SERVICE MAIN TO TIE INTO EXISTING ATLANTIS AVE. SERVICE (to be coordinated w/ South Jersey Gas)

BEG. PT. 214.88' WEST OF THE WEST LINE OF ATLANTIS AVENUE (90' WIDE)

BEG. PT. 122.54' WEST OF THE WEST LINE OF ATLANTIS AVENUE (90' WIDE)

NOTE: NEW 8" WATER SER MAIN TO TIE INTO EXISTING ATLANTIS AVE. SERVICE (to be coordinated w/ ACUA)

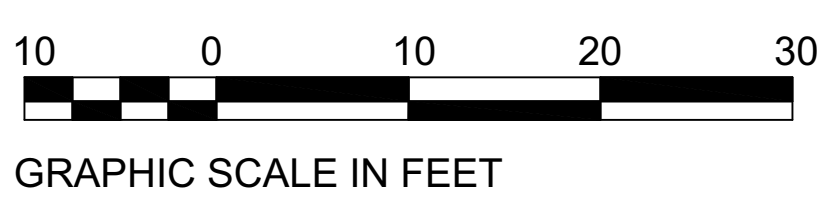


**EXISTING UTILITIES LEGEND**

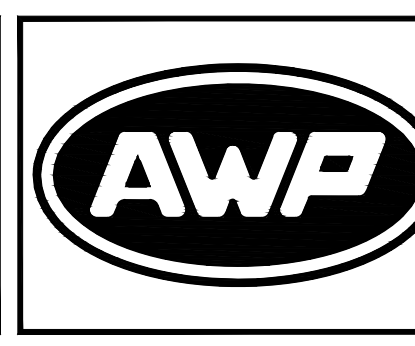
S = SANITARY SEWER CLEAN-OUT  
 SMH = SANITARY SEWER MANHOLE  
 E = ELECTRIC METER  
 WV = WATER VALVE  
 WM = WATER METER  
 GV = GAS VALVE  
 TL = TRAFFIC LIGHT  
 UP = UTILITY POLE  
 FH = FIRE HYDRANT  
 LS = LIGHT STAND  
 MW = MONITORING WELL

**ELEVATION LEGEND**

X.XX' = EXISTING SPOT ELEVATION NAVD83  
 X.XX' BC = EXISTING BOTTOM OF CURB ELEVATION  
 X.XX' TC = EXISTING TOP OF CURB ELEVATION  
 X.XX' CL = EXISTING CENTER LINE ELEVATION  
 X.XX' FL = EXISTING FLOW LINE (EDGE OF ASPHALT)



ARTHW. PONZIO CO. & ASSOCIATES, INC. SURVEYORS, PLANNERS, ENGINEERS  
 400 NORTH DOVER AVENUE, ATLANTIC CITY, N. J. 08401  
 PHONE: 609-344-5194 FAX: 609-344-1594  
 NEW JERSEY STATE AUTH. NO.: 24GA28001300



NO.	DATE	BY	DESCRIPTION	NO.	DATE	BY	DESCRIPTION
1	5/23/14	NZ	PER CRDA REVIEW COMMENTS				
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3	10/13/14	NZ	CRDA COMMENTS				

ARTHUR W. PONZIO, JR. DATE  
 PROFESSIONAL PLANNER N.J. NO. 2676  
 PROFESSIONAL LAND SURVEYOR N.J. NO. GS28314

JON J. BARNHART DATE  
 PROFESSIONAL PLANNER N.J. NO. LI00581500  
 PROFESSIONAL ENGINEER N.J. NO. GE43483

**SOIL EROSION & SEDIMENT CONTROL PLAN**  
 BLOCK 386 LOTS 3 & 4, BLOCK 387 LOTS 9 & 10  
 CITY OF ATLANTIC CITY ATLANTIC COUNTY NEW JERSEY  
 SCALE: 1" = 10'  
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 PROJ. NO.: 30570