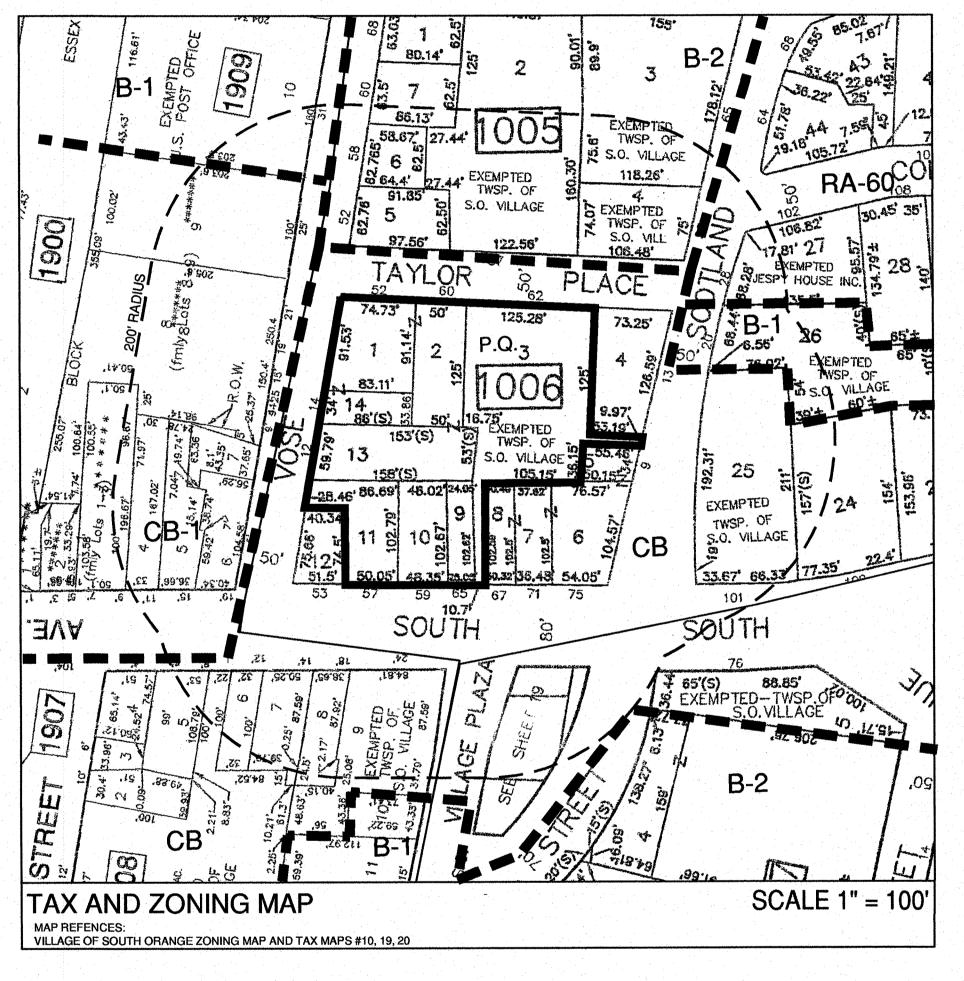
PRELIMINARY AND FINAL SITE PLAN

PREPARED FOR

VOSE APTS. URBAN RENEWAL, LLC

LOT 1, 2, 3, 9, 10, 11, 13 & 14 BLOCK 1006 SOUTH ORANGE AVENUE REDEVELOPMENT VILLAGE OF SOUTH ORANGE ESSEX COUNTY, NEW JERSEY





1. SITE PLAN OF VOSE APTS URBAN RENEWAL LOTS 1,2,3,9,10,11,13,14 BLOCK 1006 ZONE: VOSE+ TAYLOR REDEVELOPMENT PLAN

APPLICANT: VOSE APTS. JRBAN RENEWAL, LLC 2. I CONSENT TO THE FILING OF THIS SITE PLAN WITH THE PLANNING BOARD OF VOSE APTS. URBAN ADDRESS: 447 NORTHFIELD AVENUE, SUITE 200 WEST ORANGE NJ 07052 PHONE:973-731-2600 DATE: AUGUST 5, 2020

3. I HEREBY CERTIFY THAT HAVE PREPARED THIS SITE PLAN AND THAT ALL DIMENSIONS AND INFORMATION ARE CORRECT NAME: J. MICHAEL PETRY

ADDRESS: 155 PASSAIC AVENUE FAIRFIELD NJ 07004 TITLE & LICENSE: PROJECT ENGINEER, 36662

. I HAVE REVIEWED THIS SITE PLAN AND CERTIFY THAT IT MEETS ALL CODES AND ORDINANCES UNDER MY JURISDICTION.

(VILLAGE ENGINEER) . I HEREBY CERTIFY THAT ALL THE REQUIRED IMPROVEMENTS HAVE BEEN INSTALLED OR A BOND POSTED IN COMPLIANCE WITH ALL APPLICABLE CODES AND ORDINANCES.

(IF IMPROVEMENTS INSTALLED)

DATE: AUGUST 5, 2020 SCALE: AS NOTED

(VILLAGE ENGINEER) (IF BOND POSTED)

(VILLAGE CLERK) APPROVED BY THE PLANNING BOARD PRELIMINARY

(CHAIRMAN)

CAUTION: IF THIS DOCUMENT DOES NOT CONTAIN A RAISED IMPRESSION SEAL OF THE UNDERSIGNED PROFESSIONAL, IT IS NOT AN AUTHORIZED ORIGINAL DOCUMENT.

BUILDING PERMIT ISSUED

SITE DATA CHART

VOSE APTS. URBAN RENEWAL, LLC 447 NORTHFIELD AVENUE, SUITE 200 APPLICANT: WEST ORANGE, NJ 07052 PROPERTY: LOT 1, 2, 3, 9, 10, 11, 13 & 14 BLOCK 1006 AREA = 1.403± ACRES (61,147 SF)

ZONE: VOSE+ TAYLOR REDEVELOPMENT PLAN

PROPOSED USE: MIXED USE DESCRIPTION AREA YARD AND BULK REGULATIONS AFFORDABLE HOUSING 20% OR 22 UNITS OFF-SITE AFFORDABLE HOUSING

YES* YES 61.147 SF 47,000 SF 61,147 SF YES 208.1 FT 208.1 FT NO 260 FT 284.4 FT YES MINIMUM LOT DEPTH MAX IMPERVIOUS COVERAGE NO 9.1 FT YES 21.1 FT YES 5 STORIES/66 FT MAX. BUILDING HEIGHT PARKING AND LOADING 59 PUBLIC SPACES 205 SPACES** MIN. PARKING SPACES 59 PUBLIC SPACES 205 SPACES** MAX. PARKING SPACES NO YES MIN. BICYCLE SPACES YES 25% SMALL CAR STALL % 25% 5 STANDARD

ONE UNIT RESERVED FOR BUILDING OPERATIONS STAFF SHALL NOT BE COUNTED AS PART OF THE OVERALL RESIDENTIAL DENSITY

* RESIDENTIAL SPACES 125 (INCLUDING 9 TANDEM), OFFICE/COMMERCIAL/PUBLIC 80, DESIGNATED OFFI CE SPACES 10 (INCLUD)ING 5 TANDEM)

PEN SPACE	COMPLIANCE	SIDEWALKS	COMPLIANC.
DA Compliant walkways - On Site	YES	Sidewalks are provided along improved streets	YES
DA Compliant walkways - Roadway	NO	Sidewalks are 12' wide Min.	NO
ed Connection to Scotland Rd. accessible 24-7	YES	PEDESTRIAN CROSSINGS	
lleyway Differentiated from public walkway along S. range Ave.	YES	Ped crossings are provided at	
esign Promotes Passive Activities	YES	S Orange Ave & Scotland Road	NO
ATING		S Orange Avenue & Vose Avenue	NO
right: 18-24 inches Depth 15 in. Min.	YES	Taylor Place & Scotland Road	NO
igned to face each other	YES	Taylor Place & Vose Avenue	YES
\overline{GNAGE}		Minimized ped crossing distance	YES
egulations governing wall mounted signs 185-142 B1	YES	Curb extended at corners to minimize crossing distance	YES
egulations governing projecting signs 185-142 B2	YES	Materials:	
egulations governing canopy signs 185-142 B6	YES	High quality payers	YES
egulations governing temporary signs 185-142 B9	NO	Crosswalk treatment designed for maximum visibility	YES
IGHTING	and the state of t	Warning signs are installed	YES
ghts at 60° intervals	YES	Crosswalks are 10° wide	YES
ght height NTF 20"	YES	CURB HEIGHT	
AND THE RESIDENCE OF THE CHARLES OF	ALLO PULL DE LA PROPERTIE DE L	Ped ramps should be extended horizontally to the	and the second country of the second control
ights prevent upward spillage	YES	extent practical	YES
ghts are LED lamps providing "warm-white" light	YES	Bollards installed where curb is flush with roadway	YES
ights provide not less than \(\frac{1}{2} \) horizontal foot-candle average	YFS	Hluminated bollards are installed at crosswalks	YES
immable Lights and able to be controlled by timer	YES	LANDSCAPING	
athways to be lit for pedestrians	YES	Street trees have east iron grates	NO
ights directed away from adjacent lots	YES	Block pavers are installed around perimeter of tree pits	YES
rehitectural and accent is on structures and will be off		Shade trees are planted along the street at 25'	
aween 11-5	YES	intervals	NO
rfety lighting is provided on structures	YES	Trees are 3.5" caliper min.	YES
aht Imishes are modern, human-oriented and imaginative	YES	Tree irrigation bags are installed	YES
obra lights are not incorporated into plan	YES	I oundation landscaping is provided at building setbacks	YES
ghting at crosswalks is maximized	NO	Shrubs planted at a max of 2'6" on center	YES
FREETSCAPE			a la America anticolor de la compacta de la compact
censed Landscape Architect prepared streetscape	YES		
4CADE			
treetscape and Façade were designed to indicate clear	and the state of t	der	
mse of entry to building	YES		
ath from street to building is clear and welcoming	YES		

5	REVISED PER PROFESSIONAL COMMENTS	8/20/2020	АНН
4	REVISED PER REVIEW COMMENTS	8/5/2020	АНН
3	ISSUED FOR PLANNING BOARD SUBMITTAL	7/10/2020	JMP
2	REVISED FOR SESC SUBMISSION	6/18/2020	АНН
1	REVISED FOR PRELIMINARY SUBMISSION	5/28/2020	АНН
REVISION	DESCRIPTION	DATE	BY

PREPARED FOR VOSE APTS. URBAN RENEWAL, LLC

LOT 1, 2, 3, 9, 10, 11, 13 & 14 BLOCK 1006 SOUTH ORANGE AVENUE REDEVELOPMENT VILLAGE OF SOUTH ORANGE **ESSEX COUNTY, NEW JERSEY**

TITLE SHEET



Draftsman: AHH Checked By: JMP Project No.: 19-0078 Scale: AS NOTED

Designer: JMP

15C TOWNSELF OF BO ORANGE VILLAGE 66 SOUTH ORANGE AVENUE 15C TOWNSHIP OF SOUTH GRANGE VILLAGE

WEST CERNOS, NJ

WACHOWIA / THOMSON REUTERS POB 2609

301 SO SIVINGSTON AVE 201 LIVINGSTON, N.J. 07039 1 BAGLE URBAN RENEWAL LLC/MALLOUK BLT-12 SO DRANGE AVE BRR

24 SOUTH ORANGE AVENUE 15C TORNSHIP OF SOUTH ORANGE VILLAGE

1-7 SOUTH ORANGE AVENUE 1 SO OR AVE PROP URBAN RENEWAL/KATE
1-7 SOUTH ORANGE AVENUE
SOUTH ORANGE, N.J. 67079

15 SOUTH ORANGE AVENUE 4A 15 S.O. AVE., IAC 15 SOUTH ORANGE AVENUE SOUTH ORANGE, N.J. 67979 19 SOUTH ORANGE AVENUE 4A SCUTH ORANGE ASSOC C/O AFPL MNST

ADJACENT PROPERTY LISTING APPLICANT: Lustbader TAXING DISTRICT 13 SOUTH ORANGE TWP COUNTY 07 ESSEN

31 SOUTH ORANGE AVENUE 4A

9-25 YOSE AVE

10 VILLAGE PLAZA

UTILITIES

New Jersey American Water

80 Park Place, T6B

540 Broad Street

52 TAYLOR PLACE

Newark, New Jersey 07101 CABLEVISION

167 John F Kennedy Pkwy - Bldg A

Short Hills New Jersey 07078 Public Service Electric & Gas Co. Manager - Corporate Properties

Newark, New Jersey 07102

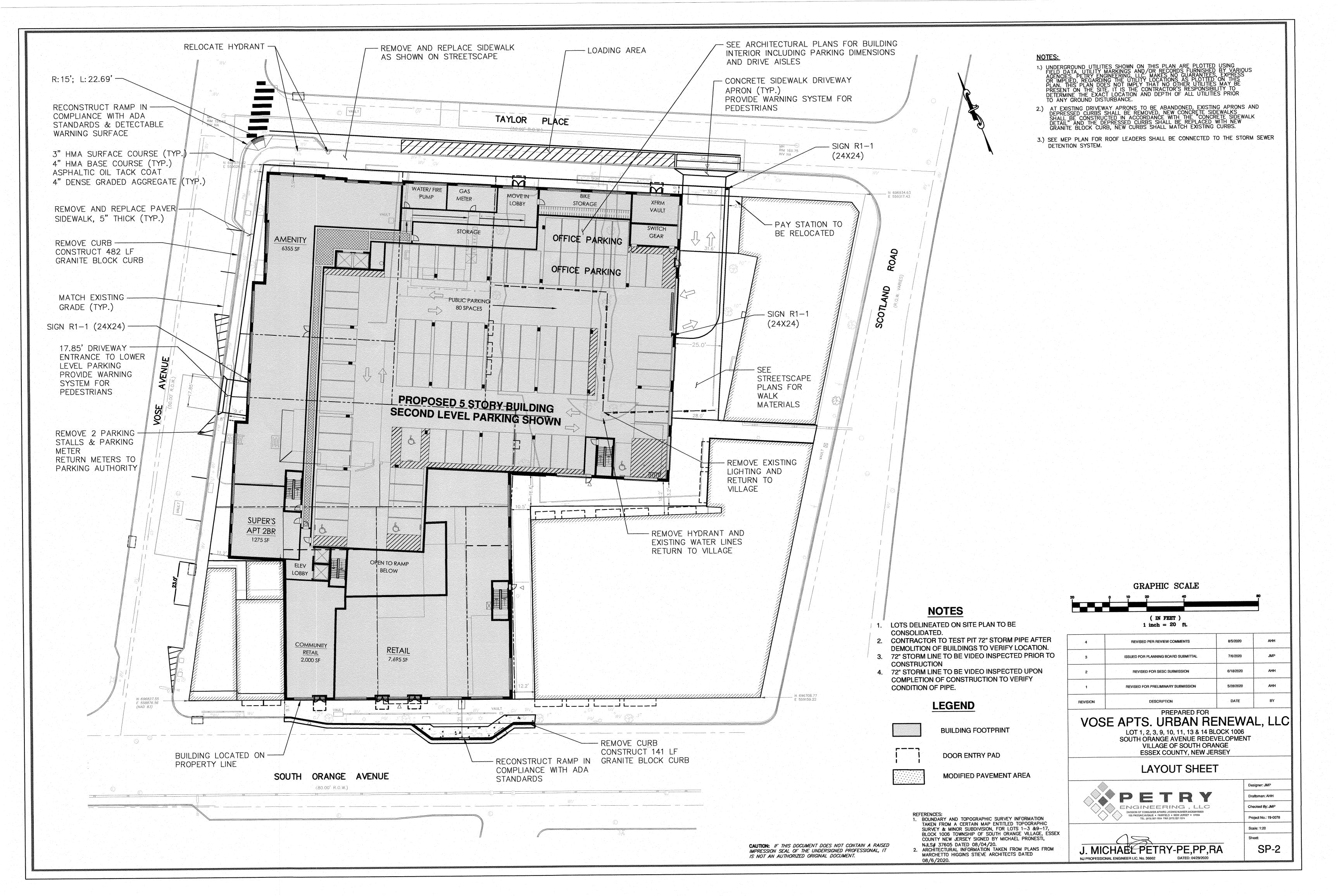
186 West Mark Street Newark, New Jersey 07103

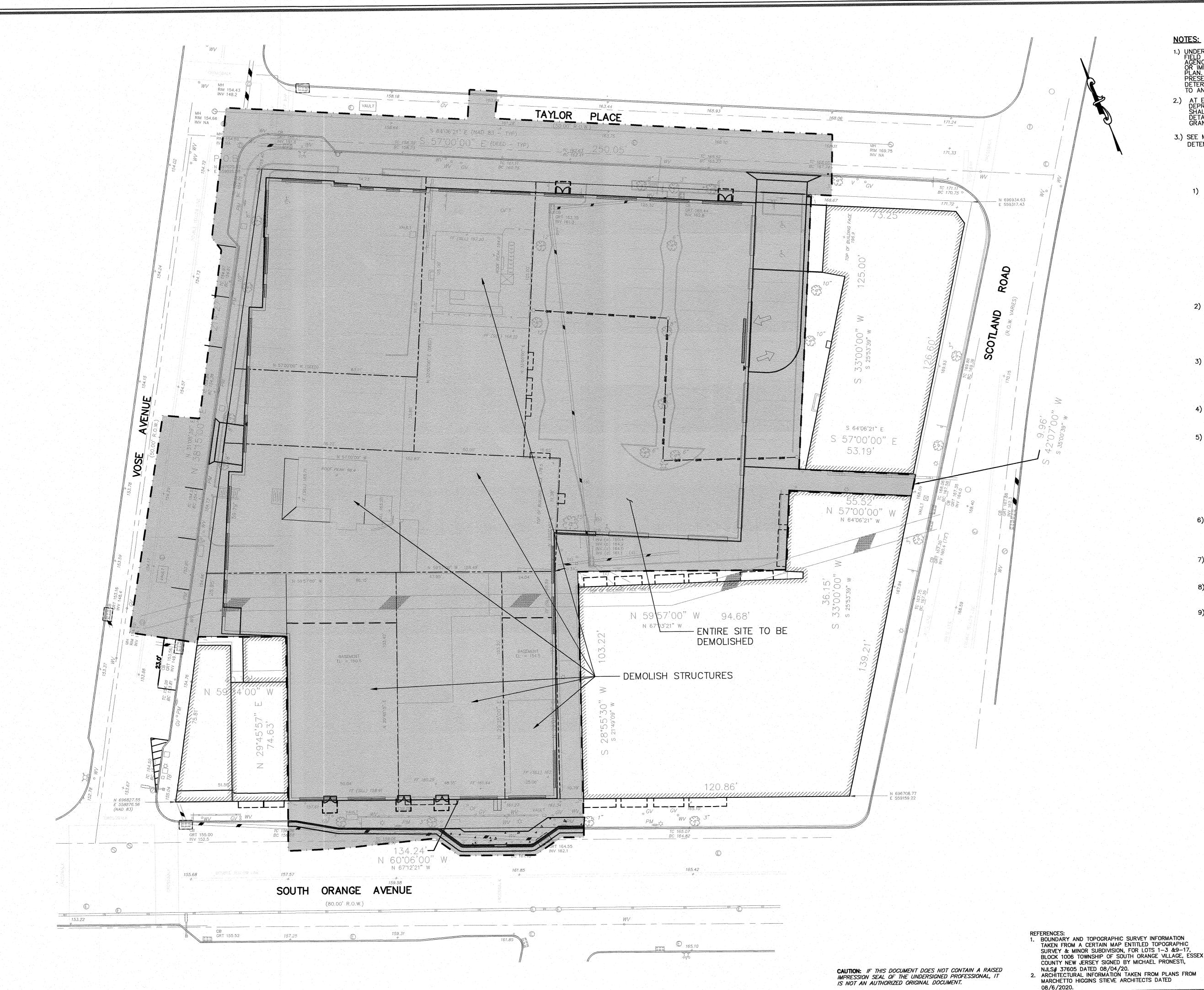
ESSEX COUNTY SITE PLAN APPROVAL SOIL EROSION AND SEDIMENT CONTROL . NJDEP DIVISION OF WATER QUALITY APPROVAL 4. NJDEP TREATMENT WORKS APPROVAL

	LIST OF DRAWINGS	
SHEET NO.	NAME	PREPARED BY
SP-1	TITLE SHEET	PETRY ENGINEERING, LLC
SP-2	LAYOUT PLAN	PETRY ENGINEERING, LLC
SP-2A	DEMOLITION PLAN	PETRY ENGINEERING, LLC
SP-3	GRADING AND DRAINAGE PLAN SHOWING LOWER LEVEL PARKING	PETRY ENGINEERING, LLC
SP-4	GRADING OF SECOND FLOOF PARKING	PETRY ENGINEERING, LLC
SP-4A	DETAILED GRADING PLAN	PETRY ENGINEERING, LLC
SP-5	SOIL EROSION SEDIMENT CONTROL PLAN	PETRY ENGINEERING, LLC
SP-6	SOIL EROSION SEDIMENT CONTROL DETAILS	PETRY ENGINEERING, LLC
SP-7	CONSTRUCTION DETAILS	PETRY ENGINEERING, LLC
SP-8	CONSTRUCTION DETAILS	PETRY ENGINEERING, LLC
SP-9	CONSTRUCTION DETAILS	PETRY ENGINEERING, LLC
SP-10	CONSTRUCTION DETAILS	PETRY ENGINEERING, LLC
C1 - A10	ARCHITECTURAL PLANS	MARCHETTO HIGGINS STIEVE
L-001 - L-503	LANDSCAPING PLANS	ARTERIAL, LLC

MAP REFENCES:

TAKEN FROM NJGIN WAREHOUSE 2015

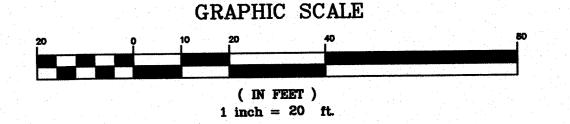




- JUNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE PLOTTED USING FIELD DATA, UTILITY MARKINGS AND/OR RECORDS FURNISHED BY VARIOUS AGENCIES. PETRY ENGINEERING, LLC. MAKES NO GUARANTEES, EXPRESS OR IMPLIED, REGARDING THE UTILITY LOCATIONS AS PLOTTED ON THIS PLAN. THIS PLAN DOES NOT IMPLY THAT NO OTHER UTILITIES MAY BE PRESENT ON THE SITE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ANY GROUND DISTURBANCE.
- 2.) AT EXISTING DRIVEWAY APRONS TO BE ABANDONED, EXISTING APRONS AND DEPRESSED CURBS SHALL BE REMOVED, NEW CONCRETE SIDEWALKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "CONCRETE SIDEWALK DETAIL" AND THE DEPRESSED CURBS SHALL BE REPLACED WITH NEW GRANITE BLOCK CURB, NEW CURBS SHALL MATCH EXISTING CURBS.
- 3.) SEE MEP PLAN FOR ROOF LEADERS SHALL BE CONNECTED TO THE STORM SEWER DETENTION SYSTEM.

THE ENTIRE EXISTING SITE IS SCHEDULED FOR DEMOLITION **DEMOLITION NOTES**

- 1) THE LOCATION OF EXISTING SUBSTRUCTURES AND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON FIELD OBSERVATIONS OF SURFACE EVIDENCE AND CERTAIN INFORMATION CONTAINED IN THE PUBLIC RECORD, AND RECORD DATA PROVIDED BY OWNER. THIS PLAN IN NO WAY REPRESENTS ANY GUARANTEE, EXPRESS OR IMPLIED, TO THE ACCURACY OF THESE PLOTTED LOCATIONS, ADDITIONALLY, THIS PLAN MAKES NO GUARANTEE THAT UTILITIES AND OTHER SUBSURFACE UTILITIES AND OTHER SUBSURFACE STRUCTURES SHOWN ON THIS PLAN ARE THE ONLY SUBSURFACE STRUCTURES WHICH MAY BE ENCOUNTERED DURING THE DEMOLITION OR SUBSEQUENT CONSTRUCTION ASSOCIATED WITH THIS OR ANY OTHER PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ANY SUPPLEMENTAL OR VERIFYING INVESTIGATIONS RELATED TO THE LOCATION, SIZE AND NATURE OF UNDERGROUND STRUCTURES WHICH MAY IMPACT THE WORK ON OR NEAR THIS SITE.
- 2) DISCONNECTION OF EXISTING UTILITY SERVICES SHALL BE COORDINATED WITH OWNER AND IN ACCORDANCE WITH THE REGULATIONS OF THE UTLILITY AUTHORITY CONCERNED. THE CONTRACTOR WILL PROVIDE THE OWNER WITH WRITTEN CONFIRMATION FROM UTLITIY COMPANIES THAT ALL SERVICE TO THE SITE HAS BEEN TERMINATED PRIOR TO THE CAPPING, ABANDONMENT, OR REMOVAL OF ANY SUCH UTLITITIES.
- 3) EXISTING BUILDINGS, STRUCTURES, CURBS, UTILITIES, SIGNS, LANDSCAPING AND ANY OTHER IMPROVEMENTS NOT DESIGNATED FOR DEMOLITION SHALL BE PROTECTED FROM DAMAGE. SHOULD DAMAGES OCCUR, THE OWNER SHALL BE NOTIFIED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- 4) ALL CONCRETE SLABS, FLOORS, BARRIERS, CURBS AND SIDEWALKS DESIGNATED FOR DEMOLITION SHALL BE COMPLETELY REMOVED FROM
- 5) WALLS, BEAMS, COLUMNS, FLOORS, SLABS, PAVEMENTS, RAMPS, FOOTINGS AND ALL OTHER BUILDING COMPONENTS OR APPURTENANCES DESIGNATED FOR REMOVAL SHALL BE COMPLETELY REMOVED FROM THE SITE. THE RESULTING DEPRESSIONS SHALL BE FILLED AND COMPACTED AS DIRECTED, USING ONLY SUITABLE MATERIAL FROM ON-SITE OR APPROVED MATERIAL FROM OFF-SITE. NO DEBRIS FROM DEMOLITION OR OTHER UNSUITABLE MATERIAL SHALL BE USED. IN SPECIAL CASES, DEEP SEATED CONCRETE OR MASONRY STRUCTURES WHICH WILL NOT INTERFERE WITH SUBSEQUENT CONSTRUCTION MAY REMAIN IN PLACE IF SO APPROVED BY THE OWNER'S ENGINEER.
- 6) FOLLOWING THE DEMOLITION AND REMOVAL OF ALL IMPROVEMENTS SO DESIGNATED, THE DISTURBED AREA SHALL BE GRADED, AS DIRECTED BY THE OWNER'S ENGINEER, SO THAT THE RESULTING LANDFORM WILL NOT ALLOW FOR PONDING OR THE FORMATION OF GULLIES RESULTING FROM STORMWATER RUN-OFF.
- 7) CONTRACTOR SHALL SECURE ALL PERMITS REQUIRED FOR THE WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF
- 8) CONTRACTOR TO COORDINATE REMOVAL OF ANY EXISTING SITE LIGHTING WITH THE APPROPRIATE UTILITY COMPANY. LIGHT POLES SHALL BE REMOVED AND DISPOSED OF AS REQUIRED.
- 9) AT EXISTING DRIVEWAY APRONS TO BE ABANDONED, EXISTING APRONS AND DEPRESSED CURBS SHALL BE REMOVED, NEW CONCRETE SIDEWALKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "CONCRETE SIDEWALK DETAIL" AND THE DEPRESSED CURBS SHALL BE REPLACED WITH NEW GRANITE BLOCK CURB, NEW CURBS SHALL MATCH EXISTING CURBS.



DESCRIPTION PREPARED FOR VOSE APTS. URBAN RENEWAL, LLC LOT 1, 2, 3, 9, 10, 11, 13 & 14 BLOCK 1006 SOUTH ORANGE AVENUE REDEVELOPMENT VILLAGE OF SOUTH ORANGE ESSEX COUNTY, NEW JERSEY

DEMOLITION PLAN

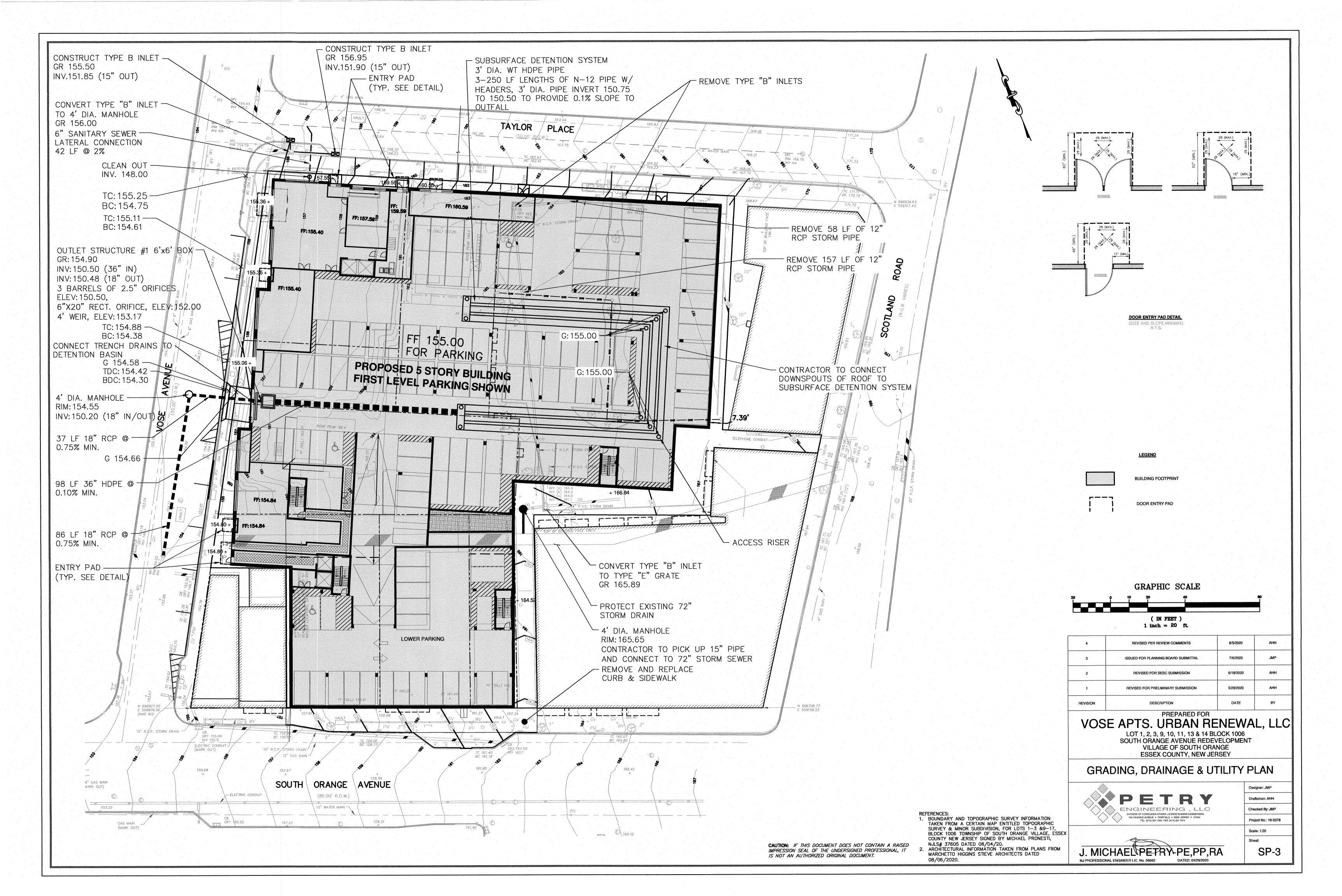


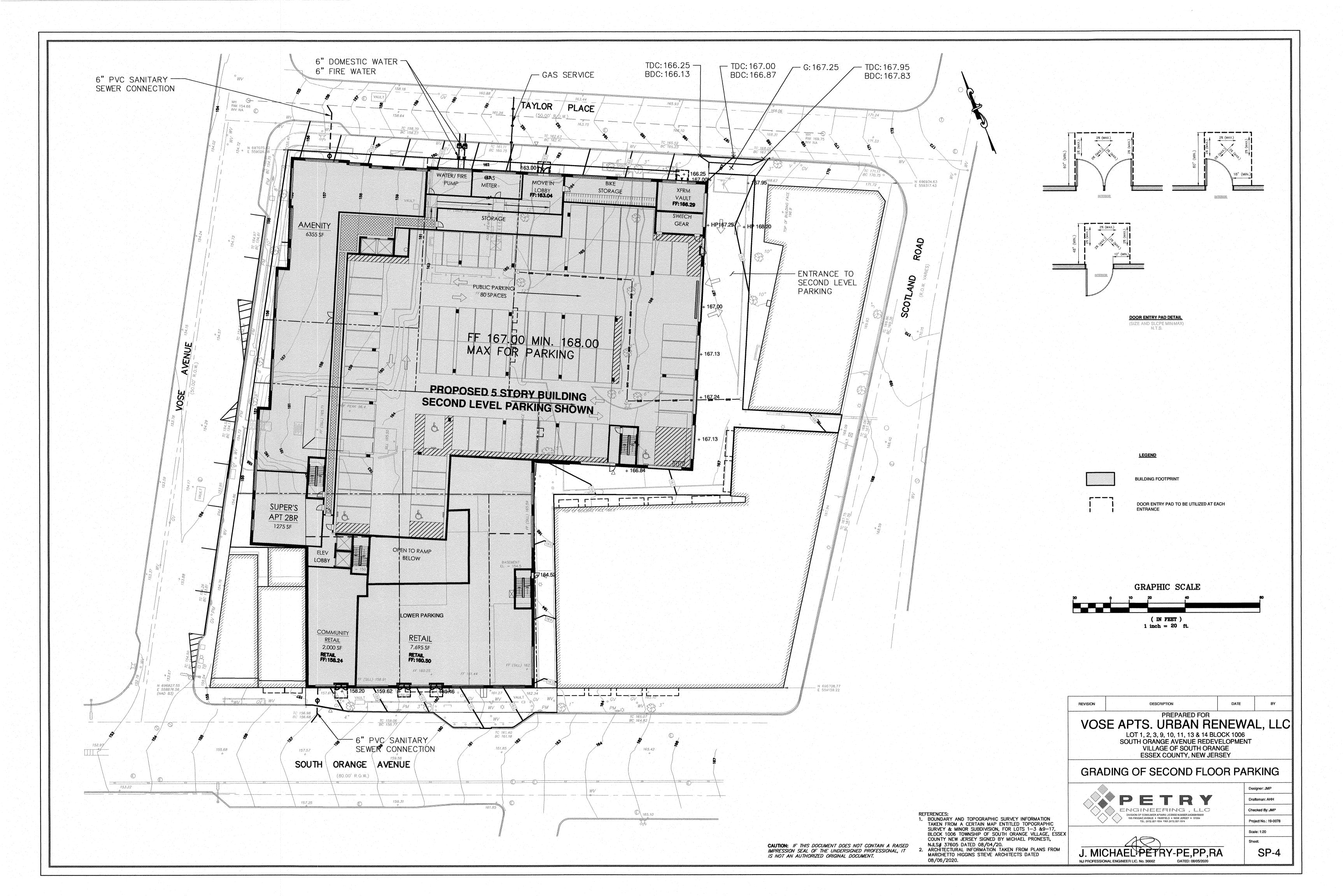
Draftsman: AHH Checked By: JMP Project No.: 19-0078 Scale: 1:20 Sheet:

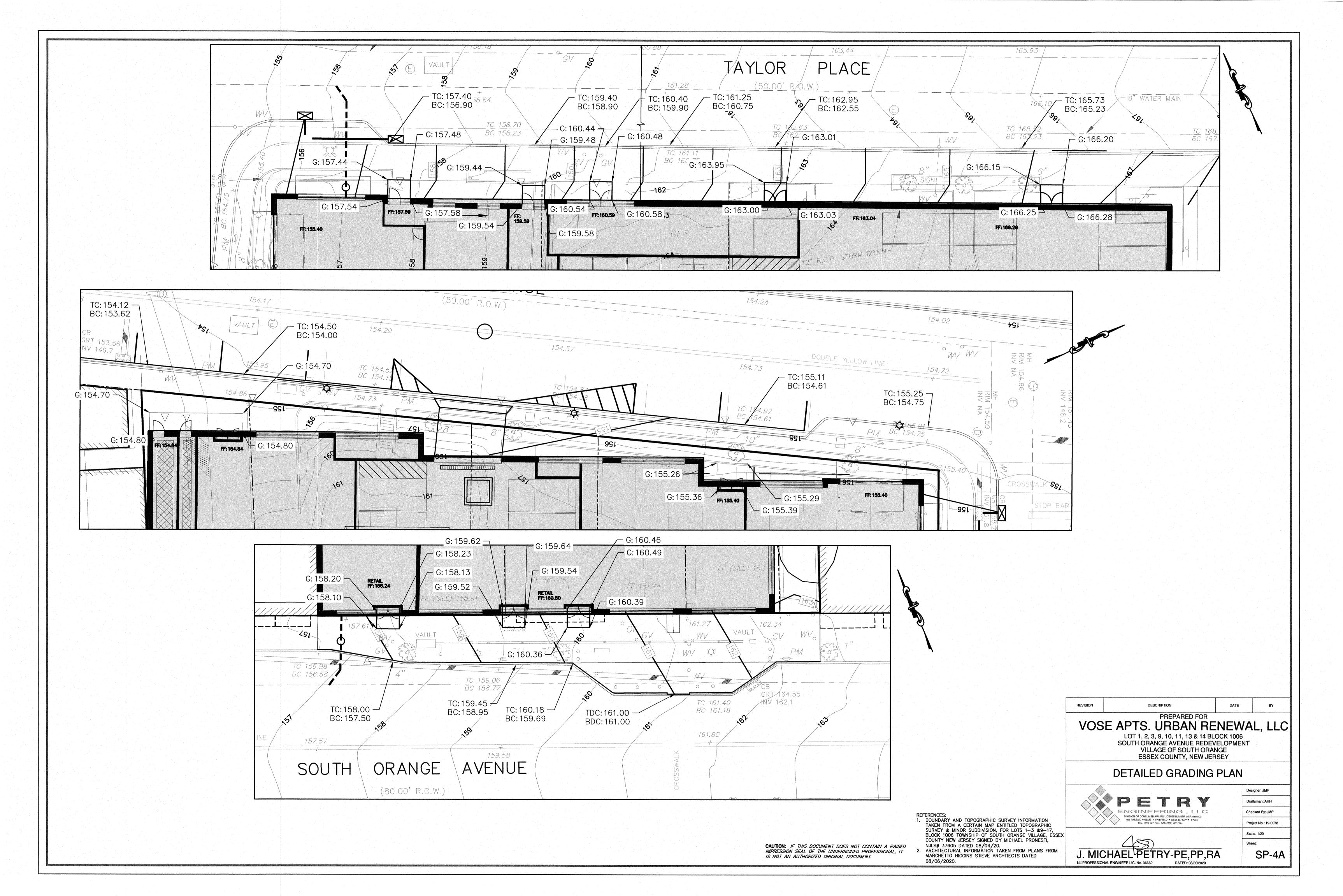
Designer: JMP

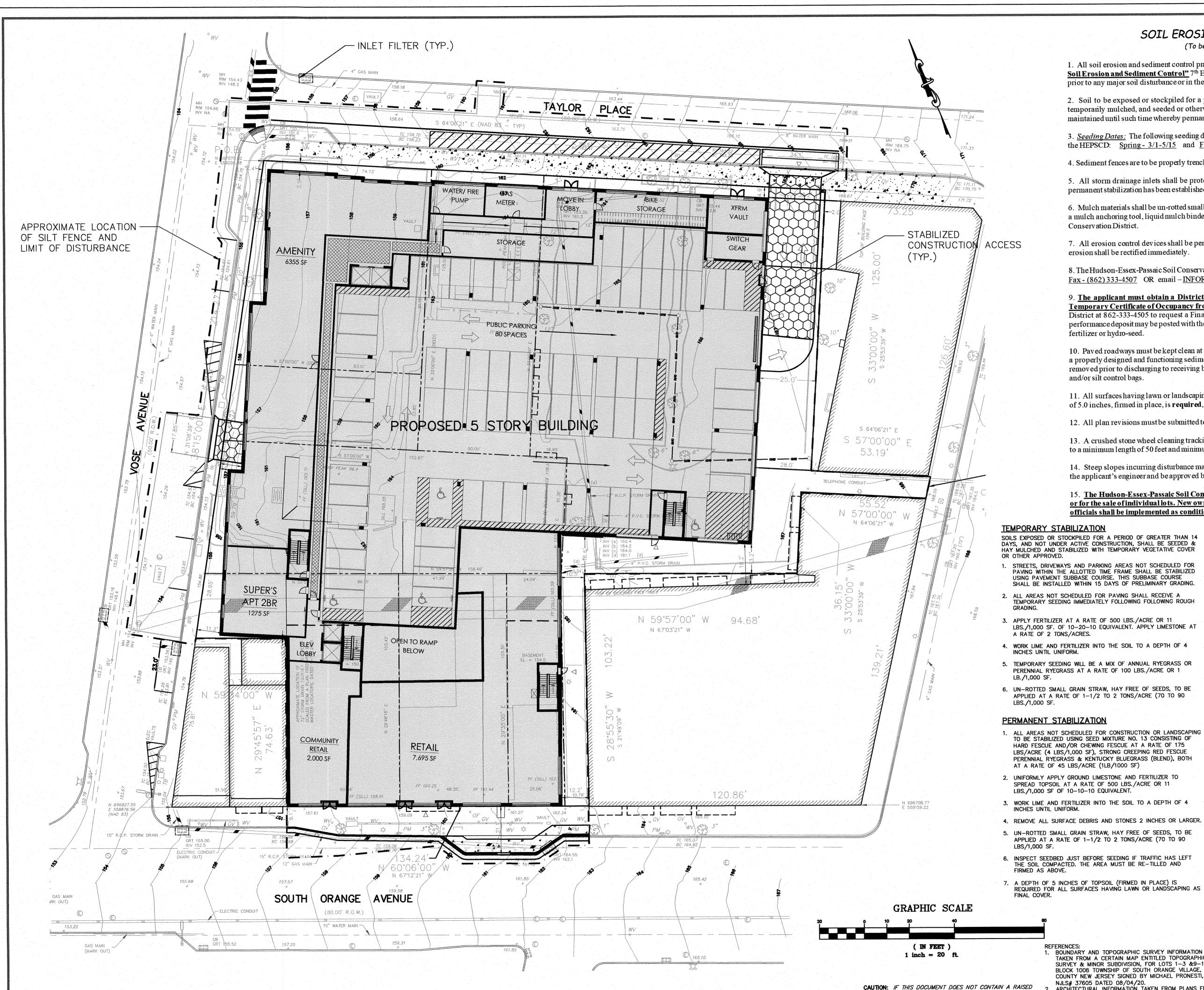
NJ PROFESSIONAL ENGINEER LIC. No. 36662

SP-2A









SOIL EROSION AND SEDIMENT CONTROL NOTES

(To be included on the signed erosion control plan sheet)

- 1. All soil erosion and sediment control practices on this plan will be constructed in accordance with the "New Jersey Standards for Soil Erosion and Sediment Control" 7th Edition last revised July 2017, effective December 2017. These measures will be installed prior to any major soil disturbance or in their proper sequence and maintained until permanent protection is established.
- 2. Soil to be exposed or stockpiled for a period of greater than 14 days, and not under active construction, may be required to be temporarily mulched, and seeded or otherwise provided with vegetative cover as per Appendix A3. This temporary cover shall be maintained until such time whereby permanent restabilization is established.
- 3. <u>Seeding Dates:</u> The following seeding dates are recommended to best establish permanent vegetative cover within most locations in the HEPSCD: Spring - 3/1-5/15 and Fall -8/15-10/1
- 4. Sediment fences are to be properly trenched and maintained until permanent vegetative cover is established
- 5. All storm drainage inlets shall be protected by one of the practices accepted in the Standards, and protection shall remain until permanent stabilization has been established. Storm drainage outlet points shall be protected as required before they become functional.
- 6. Mulch materials shall be un-rotted small grain straw applied at the rate of 70 to 90 pounds per 1,000 square feet and anchored with a mulch anchoring tool, liquid mulch binders, or netting tie down. Other suitable materials may be used if approved by the Soil Conservation District.
- 7. All erosion control devices shall be periodically inspected, maintained and corrected by the contractor. Any damage incurred by erosion shall be rectified immediately.
- 8. The Hudson-Essex-Passaic Soil Conservation District will be notified in writing at least 48 hours prior to any soil disturbing activities. Fax - (862) 333-4507 OR email - INFORMATION@HEPSCD.ORG
- 9. The applicant must obtain a District issued Report-of-Compliance prior to applying for the Certificate of Occupancy or Temporary Certificate of Occupancy from the respective municipality, NJ - DCA or any other controlling agency. Contact the District at 862-333-4505 to request a Final Inspection, giving advanced notice upon completion of the restabilization measures. A performance deposit may be posted with the District when winter weather or snow cover prohibits the proper application of seed, mulch, fertilizer or hydro-seed.
- 10. Paved roadways must be kept clean at all times. Do not utilize a fire or garden hose to clean roads unless the runoff is directed to a properly designed and functioning sediment basin. Water pumped out of the excavated areas contains sediments that must be removed prior to discharging to receiving bodies of water using removable pumping stations, sump pits, portable sedimentation tanks and/or silt control bags.
- 11. All surfaces having lawn or landscaping as final cover are to be provided topsoil prior to re-seeding, sodding or planting. A depth of 5.0 inches, firmed in place, is required, as per the Standards for Topsoiling and Land Grading, effective December 2017.
- 12. All plan revisions must be submitted to the District for proper review and approval.
- 13. A crushed stone wheel cleaning tracking-pad is to be installed at all site exits using 2 ½-1" crushed angular stone (ASTM 2 or 3) to a minimum length of 50 feet and minimum depth of 6". All driveways must be provided with crushed stone until paving is complete.
- 14. Steep slopes incurring disturbance may require additional stabilization measures. These "special" measures shall be designed by the applicant's engineer and be approved by the Soil Conservation District.

APPROX. 1 DAY)

15. The Hudson-Essex-Passaic Soil Conservation District shall be notified, in writing, for the sale of any portion of the project or for the sale of individual lots. New owners' information shall be provided. Additional measures deemed necessary by District officials shall be implemented as conditions warrant.

SEQUENCE OF CONSTRUCTION

INSTALL SEDIMENT FILTER FENCE. (DURATION: APPROX. 2 DAYS)

ACCOMMODATE CONSTRUCTION SEQUENCING. (DURATION: APPROX.

4. FINAL GRADING AND STABILIZATION (DURATION: APPROX. 2 DAYS)

5. UPON STABILIZATION OF ALL AREAS, REMOVE ALL SOIL EROSION DEVICES AND CLEAN ENTIRE DRAINAGE SYSTEM. (DURATION:

> - FILTER FABRIC FENCING & LIMIT OF DISTURBANCE

2. CONSTRUCTION IN ACCORDANCE WITH ARCHITECTURAL AND CIVIL

DESIGN PLANS (DURATION: APPROX. 2 YEARS)

SOIL EROSION LEGEND

TOTAL AREA OF DISTURBANCE:

76,373 SQ.FT. OR 1.75± AC.

3. REMOVE AND REINSTALL FILTER FABRIC AS NÉEDED TO

SOILS EXPOSED OR STOCKPILED FOR A PERIOD OF GREATER THAN 14 DAYS, AND NOT UNDER ACTIVE CONSTRUCTION, SHALL BE SEEDED & HAY MULCHED AND STABILIZED WITH TEMPORARY VEGETATIVE COVER

- 1. STREETS, DRIVEWAYS AND PARKING AREAS NOT SCHEDULED FOR PAVING WITHIN THE ALLOTTED TIME FRAME SHALL BE STABILIZED USING PAVEMENT SUBBASE COURSE. THIS SUBBASE COURSE SHALL BE INSTALLED WITHIN 15 DAYS OF PRELIMINARY GRADING.
- 2. ALL AREAS NOT SCHEDULED FOR PAVING SHALL RECEIVE A TEMPORARY SEEDING IMMEDIATELY FOLLOWING FOLLOWING ROUGH
- 3. APPLY FERTILIZER AT A RATE OF 500 LBS./ACRE OR 11 LBS./1,000 SF. OF 10-20-10 EQUIVALENT. APPLY LIMESTONE AT
- A RATE OF 2 TONS/ACRES. 4. WORK LIME AND FERTILIZER INTO THE SOIL TO A DEPTH OF 4
- INCHES UNTIL UNIFORM. 5. TEMPORARY SEEDING WILL BE A MIX OF ANNUAL RYEGRASS OR PERENNIAL RYEGRASS AT A RATE OF 100 LBS./ACRE OR 1
- 6. UN-ROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, TO BE APPLIED AT A RATE OF 1-1/2 TO 2 TONS/ACRE (70 TO 90

PERMANENT STABILIZATION

- 1. ALL AREAS NOT SCHEDULED FOR CONSTRUCTION OR LANDSCAPING TO BE STABILIZED USING SEED MIXTURE NO. 13 CONSISTING OF HARD FESCUE AND/OR CHEWING FESCUE AT A RATE OF 175 LBS/ACRE (4 LBS/1,000 SF), STRONG CREEPING RED FESCUE PERENNIAL RYEGRASS & KENTUCKY BLUEGRASS (BLEND), BOTH AT A RATE OF 45 LBS/ACRE (1LB/1000 SF)
- 2. UNIFORMLY APPLY GROUND LIMESTONE AND FERTILIZER TO SPREAD TOPSOIL AT A RATE OF 500 LBS./ACRE OR 11 LBS./1,000 SF OF 10-10-10 EQUIVALENT.
- INCHES UNTIL UNIFORM.
- 5. UN-ROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, TO BE APPLIED AT A RATE OF 1-1/2 TO 2 TONS/ACRE (70 TO 90
- 6. INSPECT SEEDBED JUST BEFORE SEEDING IF TRAFFIC HAS LEFT THE SOIL COMPACTED. THE AREA MUST BE RE-TILLED AND

NJLS# 37605 DATED 08/04/20.

08/06/2020.

IMPRESSION SEAL OF THE UNDERSIGNED PROFESSIONAL, IT

IS NOT AN AUTHORIZED ORIGINAL DOCUMENT.

7. A DEPTH OF 5 INCHES OF TOPSOIL (FIRMED IN PLACE) IS REQUIRED FOR ALL SURFACES HAVING LAWN OR LANDSCAPING AS FINAL COVER.

> TAKEN FROM A CERTAIN MAP ENTITLED TOPOGRAPHIC SURVEY & MINOR SUBDIVISION, FOR LOTS 1-3 &9-17,

COUNTY NEW JERSEY SIGNED BY MICHAEL PRONESTI,

MARCHETTO HIGGINS STIEVE ARCHITECTS DATED

ARCHITECTURAL INFORMATION TAKEN FROM PLANS FROM

Draftsman: AHH Checked By: JMP Project No.: 19-0078

Scale: 1:20

Sheet:

8/13/2020

BLOCK 1006 TOWNSHIP OF SOUTH ORANGE VILLAGE, ESSEX

NJ PROFESSIONAL ENGINEER LIC. No. 36662 DATED: 04/29/2020

DESCRIPTION PREPARED FOR VOSE APTS. URBAN RENEWAL, LLC

REVISED PER SESC REVIEW COMMENTS

REVISED PER REVIEW COMMENTS

ISSUED FOR PLANNING BOARD SUBMITTAL

REVISED FOR SESC SUBMISSION

REVISED FOR PRELIMINARY SUBMISSION

LOT 1, 2, 3, 9, 10, 11, 13 & 14 BLOCK 1006 SOUTH ORANGE AVENUE REDEVELOPMENT VILLAGE OF SOUTH ORANGE ESSEX COUNTY, NEW JERSEY

SOIL EROSION SEDIMENT CONTROL

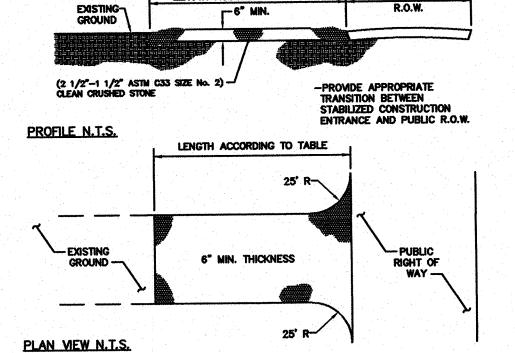
ENGINEERING, LLC 155 PASSAIC AVENUE • FAIRFIELD • NEW JERSEY • 07004
TEL. (973) 227-7004 FAX (973) 227-7074

DUST CONTROL NOTES

- THE FOLLOWING METHODS SHOULD BE CONSIDERED FOR CONTROLLING DUST
- 1. MULCHES SEE STANDARD FOR STABILIZATION WITH MULCHES ONLY (PG. 5-1).
- 2. <u>VEGETATIVE COVER</u> SEE STANDARD FOR TEMPORARY VEGETATIVE COVER (PG. 7-1, PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION (PG. 4-1) AND PERMANENT STABILIZATION WITH SOD (PG 6-1).
- 3. <u>SPRAY-ON ADHESIVES</u> ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS.

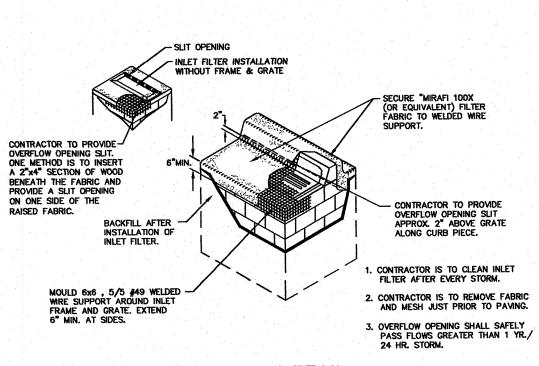
MATERIAL	WATER DILUTION	TYPE OF NOZZEL	APPLY GALLONS/ACRE
ANIONIC ASPHALT EMULSION	7:1	COARSE SORAY	1200
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN IN WATER	4:1	FINE SPRAY	300
POLYACRYLAMIDE (PAM) SPRAY ON/DRY SPRAY	MAY ALSO BE USEI TO FLOCCULATE A	G TO MANUFACTURE D AS AN ADDITIVE T ND PRECIPITATE SUS NT BASIN STANDARD	O SEDIMENT BASINS SPENDED COLLOIDS.
ACIDULATED SOY BEAN SOAP STICK	NONE	COARSE SPRAY	1200

- 4. TILLAGE TO TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS A TEMPORARY EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE IF SITE. CHISEL—TYPE PLOWS SPACED ABOUT 12 INCHES APART, AND SPRING TOOTHED HARROWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
- 5. SPRINKLING SITE IS SPRINKLED UNTIL SURFACE IS WET.
- 6. BARRIERS SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY, AND SIMILAR MATERIALS CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.
- 7. CALCIUM CHLORIDE SHALL BE IN THE FORM OF LOOSE, DRY GRANULATES OF FLAKES FINE ENOUGH TO FEED THROUGH COMMONLY USED SPREADERS AT A RATE THAT WILL KEEP THE SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE. IF USED ON STEEPER SLOPES, THEN USE OTHER PRACTICES TO PREVENT WASHING INTO STREAMS, OR ACCUMULATION AROUND PLANTS.

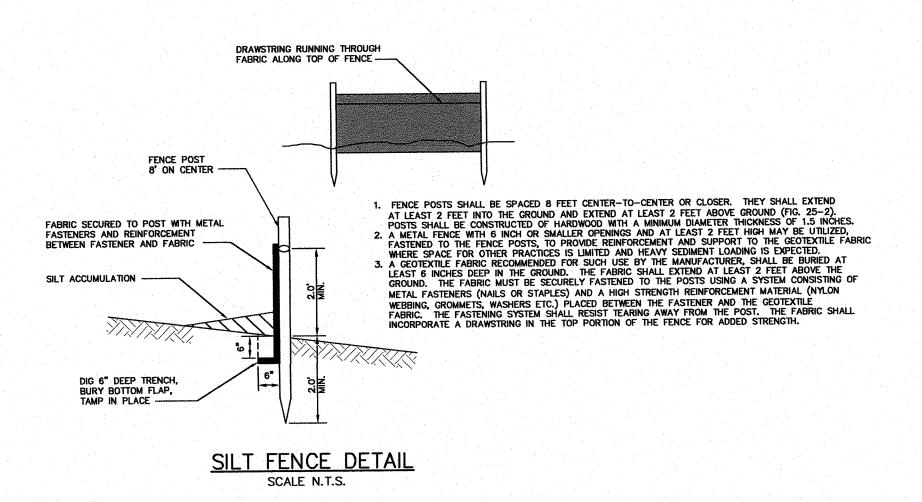


	LENGTH OF CONSTRUCTION EXIT TABLE		
PERCENT SLOPE OF ROADWAY	LENGTH OF STONE REQUIRED		
	COURSE GRAINED SOILS	FINE GRAINED SOILS	
0 TO 2X	50 FT.	100 FT.	
2 TO 5%	100 FT.	200 FT.	
> 5%	ENTIRE SURFACE STABILIZED	WITH FABC BASE COURS	

ANTI-TRACKING PAD DETAIL
SCALE N.T.S.

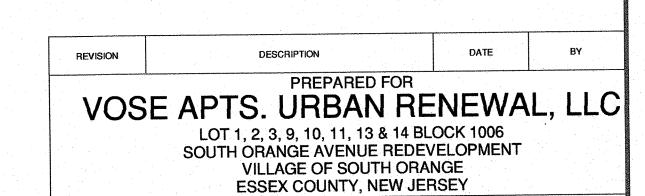


INLET FILTER DETAIL
SCALE N.T.S.

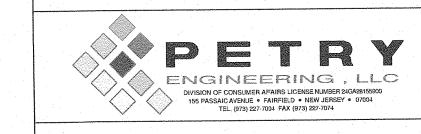


SOIL COMPACTION EXEMPTION NOTE

AS DETERMINED BY THE STATE POLICY MAP, THE PROJECT AREA FALLS WITHIN THE METROPOLITAN PLANNING AREA (PA1). UNDER EXISTING CONDITIONS, THE SITE IS NOT COVERED IN WOODY VEGETATION NOR REGROWTH. IN ACCORDANCE WITH NEW JERSEY STANDARD FOR LAND GRADING (REVISED 2017), NON WOODY VEGETATED PA1 AREAS FALL UNDER THE SOIL COMPACTION EXEMPTION LIST AS A "URBAN REDEVELOPMENT" AND IS DEFINED BY NJDEP AS "PREVIOUSLY DEVELOPED".



SOIL EROSION SEDIMENT CONTROL DETAILS



J. MICHAEL PETRY-PE,PP,RA

NJ PROFESSIONAL ENGINEER LIC. No. 36662 DATED: 08/18/2020

Sheet:

Scale: 1:20

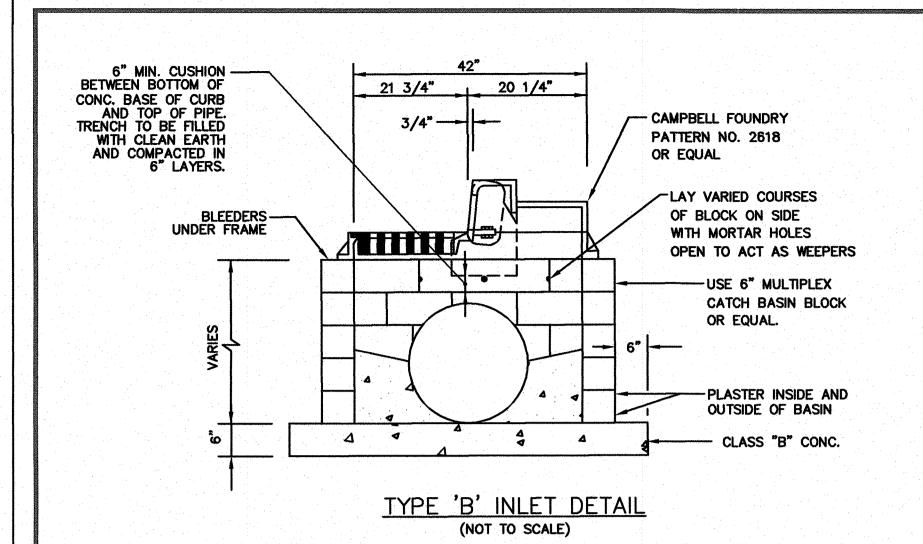
Designer: JMP

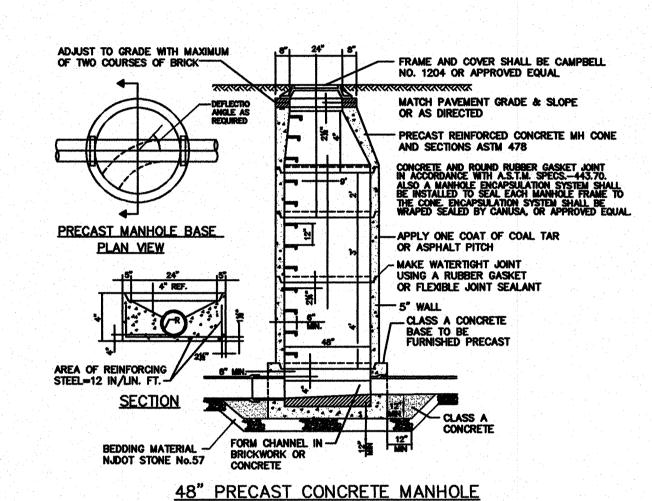
Draftsman: AHH

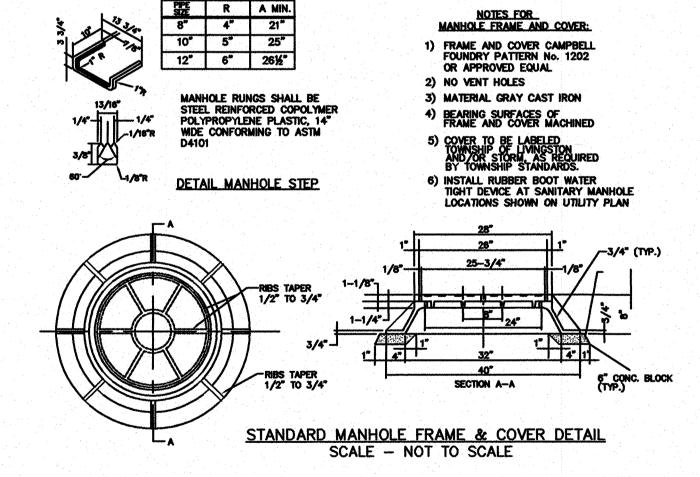
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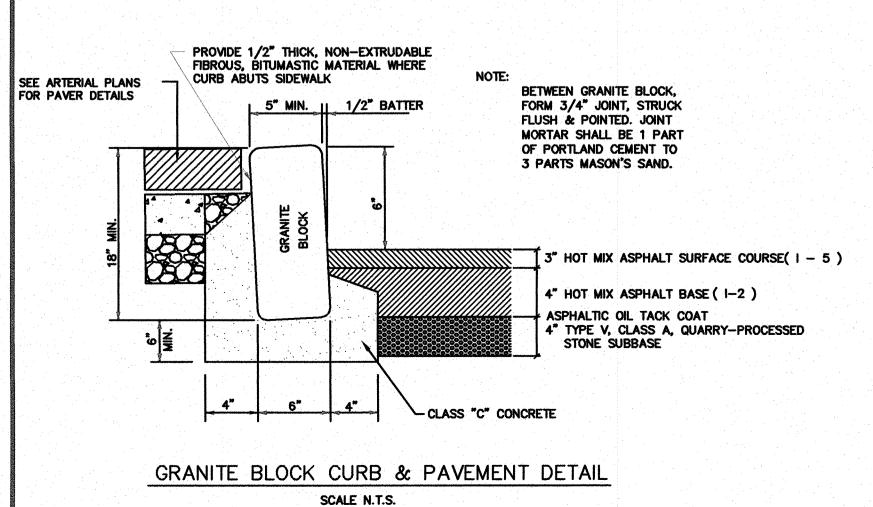
Project No.: 19-0078

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NOTE:

1.) THIS INLET MAY BE CONSTRUCTED OF BRICK, CONC. OR CONC. BLOCK, IF BRICK OR CONC. BLOCK IS USED
THE BOTTOM SHALL BE AS SHOWN FOR CONC.

2.) DEPTH OF INVERT TO BE 0.80 THE DIAMETER OF THE MAIN SEWER THROUGH THE INLET.

3.) INVERTS TO BE ELIMINATED IN BOTTOM OF TERMINAL INLETS. BOTTOMS SHALL BE DISHED AND SLOPED TOWARDS
THE OUTLET PIPE AT A RATE OF 2" PER FOOT.

CLASS "B"

CONCRETE

4500 PSI

POLYPROYLENE
PLASTIC
LADDER RUNGS
12" C.C.
OF PIPE

S" or CONC.
BLOCK

G" or CONC.
BLOCK

BLOCK

S" or S'-8"

S" or 5'-0" or 5'-4"

B"

CLASS "B"

CONCRETE

4500 PSI

CLASS "B"

CONCRETE

4500 PSI

CONCR

INLET TYPE "E" DETAIL

SCALE N.T.S.

GENERAL NOTES

- 1. INLETS MAY BE CONSTRUCTED OF BRICK, CONCRETE, CONCRETE BLOCK OR PRECAST CONCRETE. WALLS SHALL BE 8 INCHES THICK IF BRICK AND 6 INCHES THICK IF CONCRETE, CONCRETE BLOCK OR PRECAST CONCRETE. INLET FOUNDATIONS AND INVERTS SHALL BE CLASS B CONCRETE.

 2. CORBELLING OF INLET WALLS WILL BE PERMITTED AT THE
- RATE OF 1/2 INCH PER 8 INCHES OF HEIGHT; MAXIMUM CORBEL 6 INCHES PER WALL.

 3. EXCEPT FOR INLETS TYPE A AND C, FOUNDATIONS AND INVERTS SHALL BE CONSTRUCTED IN TWO STAGES, AND THE BOTTOM OF THE FOOTINGS SHALL BE 8 INCHES BELOW THE OUTER WALL OF THE LOWEST PIPE IN THE INLET.
- THE OUTER WALL OF THE LOWEST PIPE IN THE INLET.

 4. WHEN THE DEPTH OF AN INLET THAT IS NOT PRECAST EXCEEDS 10 FEET AS MEASURED FROM TOP OF GRATE TO INVERT, WALLS BELOW A DEPTH OF 8 FEET SHALL BE 12 INCHES THICK AND THE DEPTH OF FOUNDATION INCREASED TO 12 INCHES. WHEN ROCK IS ENCOUNTERED, THE DEPTH OF THE FOUNDATION SHALL NOT BE INCREASED.
- 5. INLET FOUNDATIONS WHICH ARE PRECAST SHALL BE PLACED ON A 6 INCH THICK BED OF COMPACTED COARSE AGGREGATE SIZE NO. 57. THE COARSE AGGREGATE SHALL EXTEND 6 INCHES BEYOND THE HORIZONTAL LIMITS OF THE INLET FOUNDATION.
 6. CASTINGS FOR PRECAST INLETS SHALL BE ADJUSTED TO GRADE WITH COURSES OF BRICK, AS REQUIRED, 12 INCHES
- MAXIMUM.

 7. WHEN THE DEPTH OF A PRECAST INLET EXCEEDS 10 FEET AS MEASURED FROM TOP OF GRATE TO INVERT, THE FOUNDATION SHALL BE INCREASED TO 12 INCHES. WHEN ROCK IS ENCOUNTERED, THE DEPTH OF THE FOUNDATION SHALL NOT BE INCREASED.

UNPAVED

FINISHED GRADE -

SELECT FILL -

8" MINIMUM CLEARANCE

EXCAVATION IN ROCK

PIPE BEDDING MATERIAL TO SPRINGLINE OF PIPE.

PAVED

PAVING AND SUBBASE MATERIAL PER BOROUGH

OR COUNTY REQUIREMENTS

IMPERVIOUS CLAY DAMS SHALL BE LOCATED A

MINIMUM OF 300-FEET APART ALONG THE

FORCEMAIN TRENCH.

BED BOTTOM QUADRANT

EXCAVATION IN EARTH

TYPICAL TRENCH DETAIL FOR UTILITIES

SCALE N.T.S.

ON UNDISTURBED EARTH

- 8. MINIMUM WALL REINFORCEMENT FOR PRECAST INLETS TYPES A, B, C, E, D-1, D-2 AND B MODIFIED:

 DEPTH BELOW HORIZONTAL VERTICAL TOP OF GRATE REINF. REINF.

 O' TO 10'-0" #13 10" C.C. #13 18" C.C.

 10'-1" TO 15'-0" #13 8" C.C. #13 18" C.C.

 15'-1" TO 20'-0" #13 6" C.C. #13 18" C.C.

 REINFORCING SHOWN FOR PRECAST INLETS IS THE MINIMUM REQUIRED. ADDITIONAL REINFORCING FOR HANDLING IS THE RESPONSIBILITY OF THE CONTRACTOR.

 ALTERNATE REINFORCEMENT
- DEPTH BELOW
 TOP OF GRATE

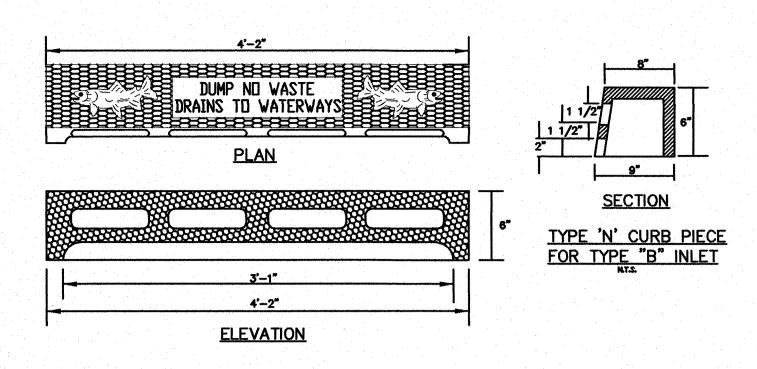
 0' TO 10'-0"

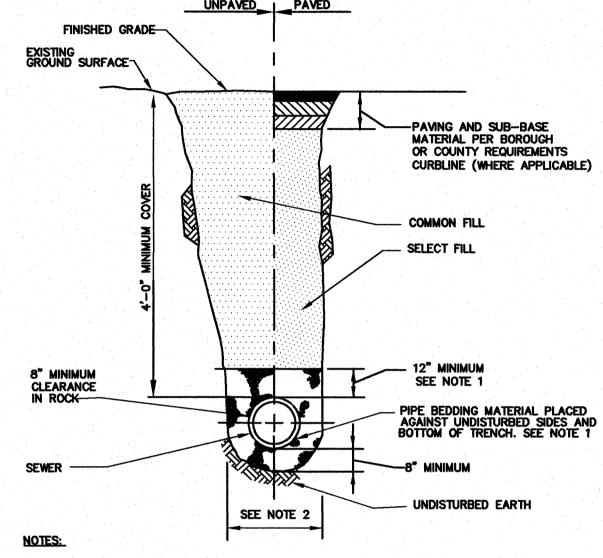
 WWF 3 x 6 W6 WIRES SPACED AT 3"
 TO RUN HORIZONTAL IN ALL CASES.

 WWF 3 x 6 W6 ADD #10 BAR © 18"
 HORIZONTAL.
- 15'1" TO 20'0"

 WWF 3 x 6 W6 ADD #10 BAR © 9"
 HORIZONTAL OR ADD #13 BAR AT
 15" HORIZONTAL.

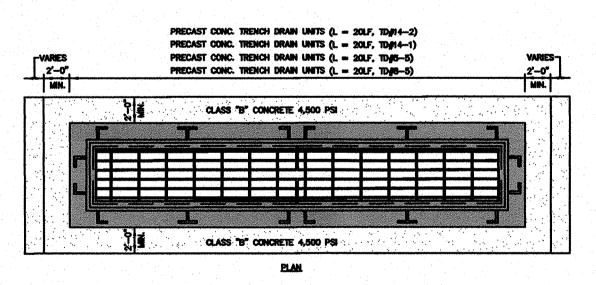
 9. ALL INLETS AND MANHOLES SHALL BE CONSTRUCTED IN
 ACCORDANCE WITH THE CURRENT NJDOT STANDARD
 SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
 AND ITS AMENDMENTS.
- 10. FOR CAST IRON CLASS 30B ONLY. ANY OTHER CLASS OF CAST IRON OR TYPE OF MATERIAL MUST BE ON THE BUREAU OF MATERIALS APPROVED PRODUCTS LIST OR NEW TECHNOLOGYS AND PRODUCTS APPROVED PRODUCTS LIST.



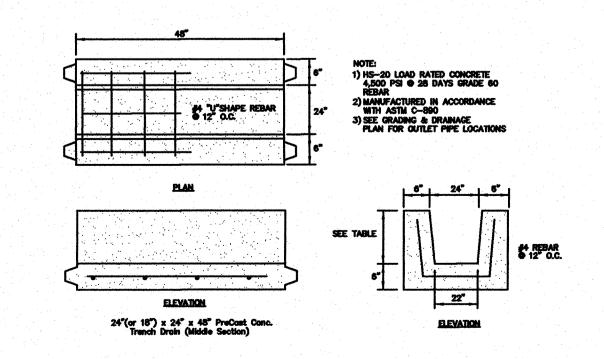


- 1. FOR PIPES OTHER THAN PVC, SELECT FILL MAY BE USED FROM MID-DIAMETER OF PIPE TO 12" ABOVE TOP OF PIPE.
- 2. PIPE TRENCH WIDTH SHALL BE PIPE OD +2'-0" MAXIMUM FOR PIPES 12" AND LARGER, FOR PIPES LESS THAN 12", TOTAL PIPE TRENCH WIDTH SHALL BE 3'-0".
- 3. TRENCHES LOCATED ON ROAD SHOULDER SHALL BE TREATED THE SAME AS STREET EXCEPT FOR PAVING.
- 4. PROVIDE AT LEAST ONE IMPERVIOUS DAM IN GRAVEL BEDDING BETWEEN EACH MANHOLE OR EVERY 300 FT. WHICHEVER IS LESS.

TYPICAL TRENCH DETAIL FOR 6" PVC SDR-35 SEWER PIPE



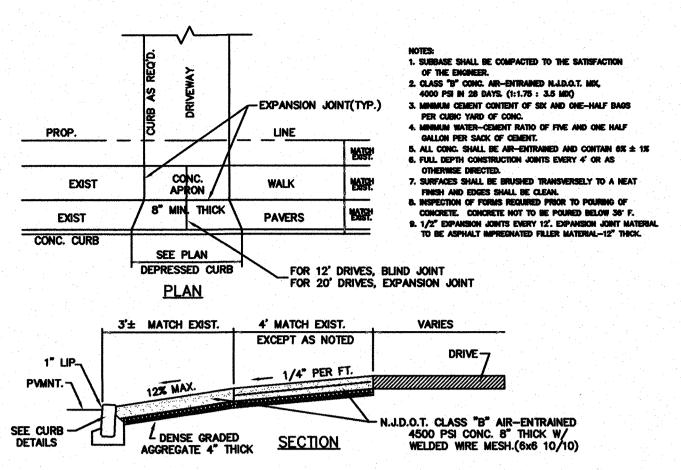
CAMPBELL FOUNDRY HEAVY DUTY GRATE NO. 4829 CAMPBELL FOUNDRY HEAVY DUTY COVER NO. 4804



TRENCH DRAIN DETAIL

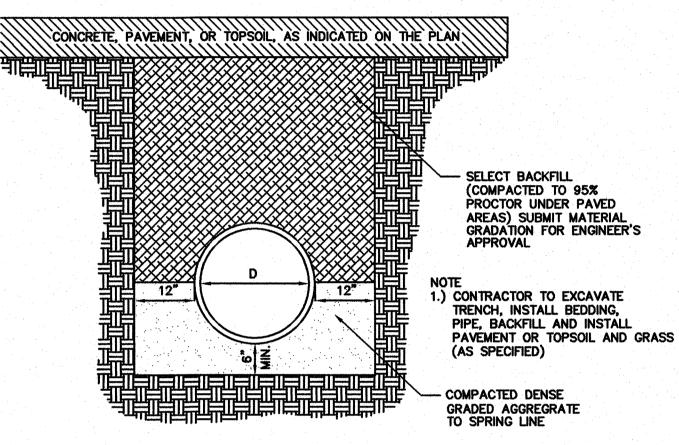
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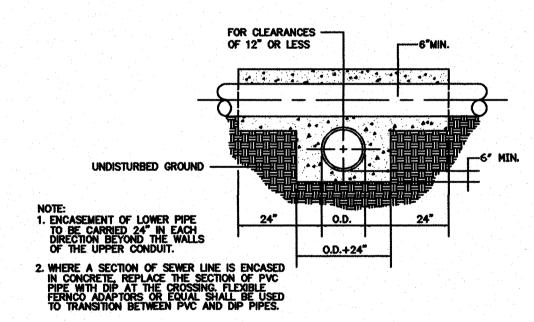


CONCRETE APRON DETAILS

SCALE - N.T.S.



PIPE TRENCH DETAIL WITHIN SITE N.T.S.



UTILITY CROSSING
SCALE - N.T.S.

			<u> </u>
4	REVISED PER PROFESSIONAL COMMENTS	8/20/2020	АНН
3	REVISED PER PROFESSIONAL COMMENTS	8/5/2020	JMP
2	ISSUED FOR PLANNING BOARD SUBMITTAL	7/6/2020	JMP
1	REVISED FOR SESC SUBMISSION	6/18/2020	АНН
REVISION	DESCRIPTION	DATE	ВУ
		· · · · · · · · · · · · · · · · · · ·	·

VOSE APTS. URBAN RENEWAL, LLC

LOT 1, 2, 3, 9, 10, 11, 13 & 14 BLOCK 1006 SOUTH ORANGE AVENUE REDEVELOPMENT VILLAGE OF SOUTH ORANGE ESSEX COUNTY, NEW JERSEY

CONSTRUCTION DETAILS



Designer: JMP

Draftsman: AHH

Checked By: JMP

Project No.: 19-0078

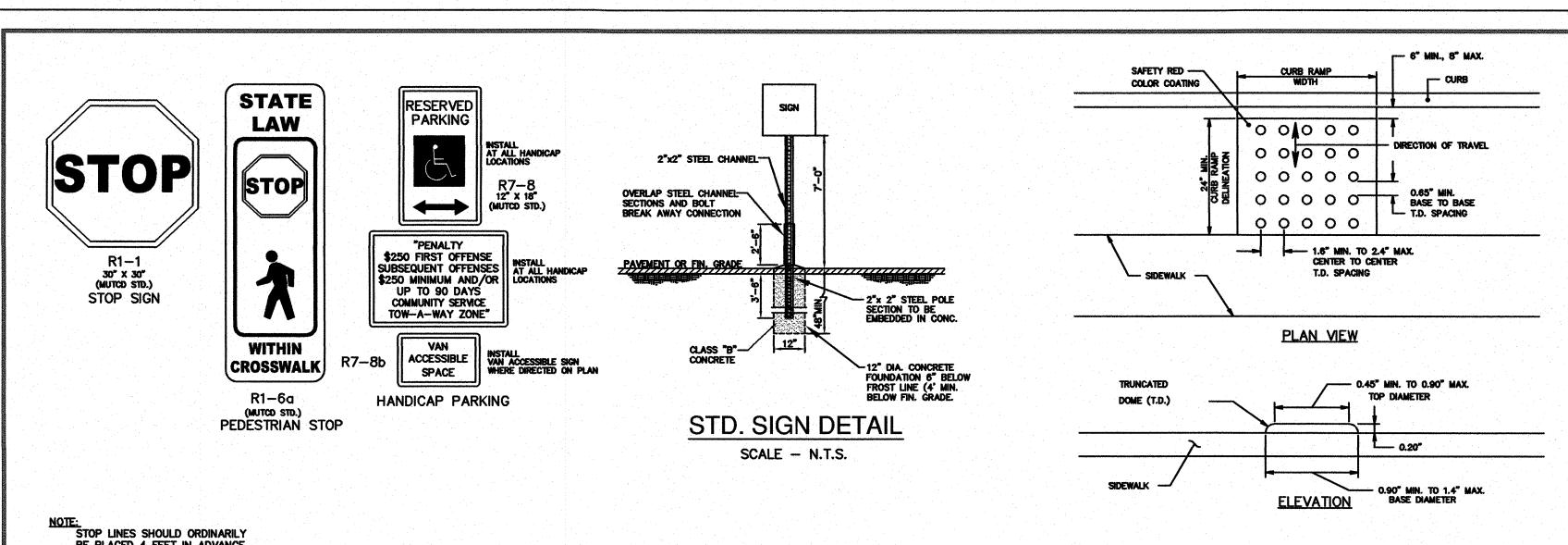
J. MICHAEL PETRY-PE,PP,RA

NJ PROFESSIONAL ENGINEER LIC. No. 36662 DATED: 04/29/2020

SP-7

Scale: AS NOTED

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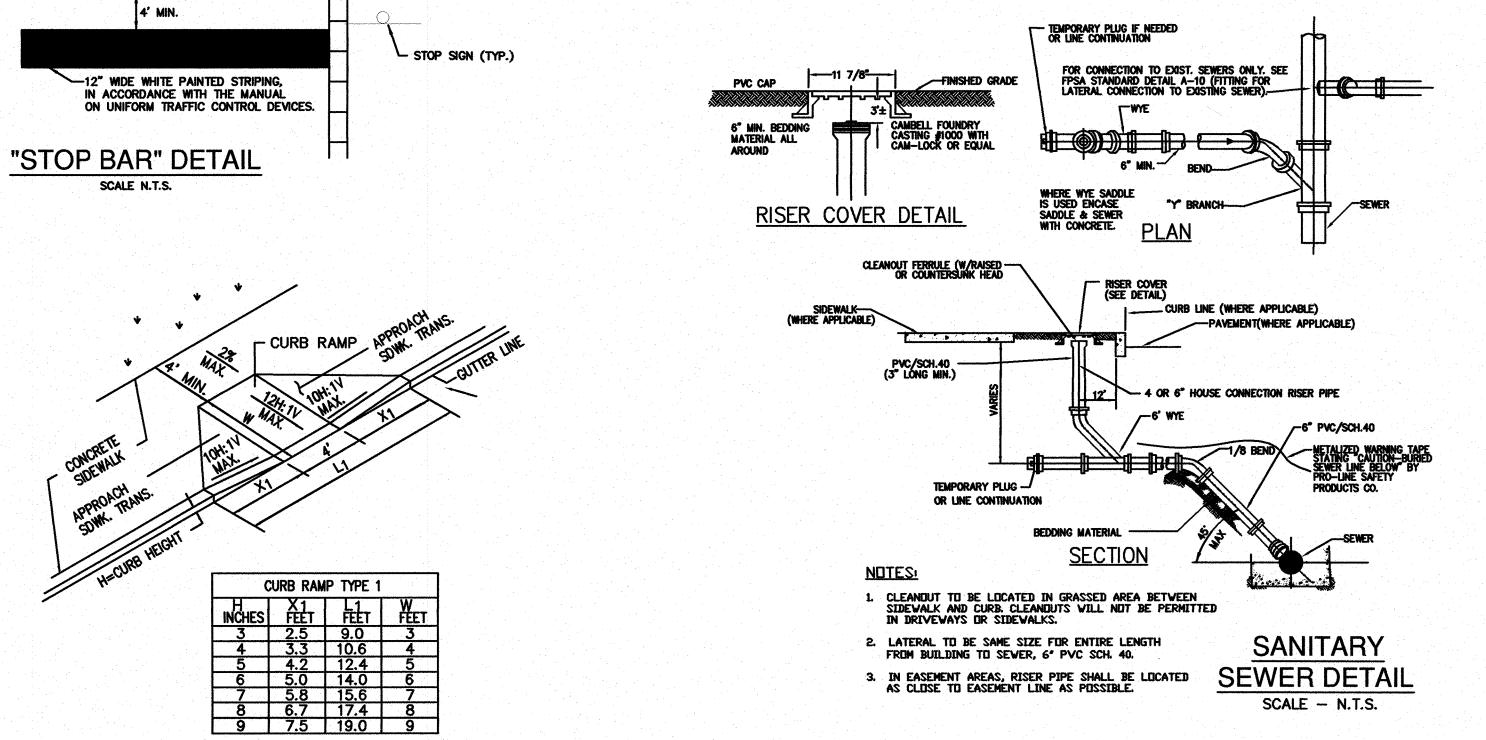


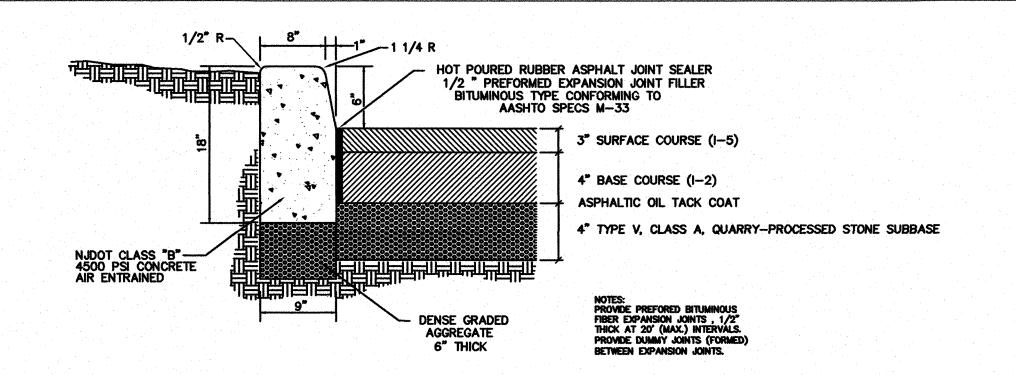


IF REQUIRED

HANDICAP

CURB RAMP TYPE 1





CONCRETE CURB AND FULL DEPTH PAVEMENT SCALE N.T.S.



DESCRIPTION

LOT 1, 2, 3, 9, 10, 11, 13 & 14 BLOCK 1006 SOUTH ORANGE AVENUE REDEVELOPMENT VILLAGE OF SOUTH ORANGE **ESSEX COUNTY, NEW JERSEY**

CONSTRUCTION DETAILS



Draftsman: AHH Checked By: JMP Project No.: 19-0078

Scale: AS NOTED

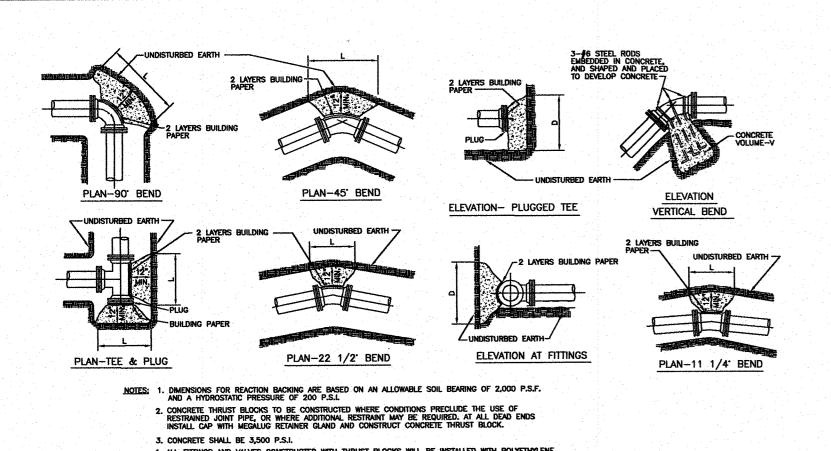
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Designer: JMP

J. MICHAEL PETRY-PE, PP, RA

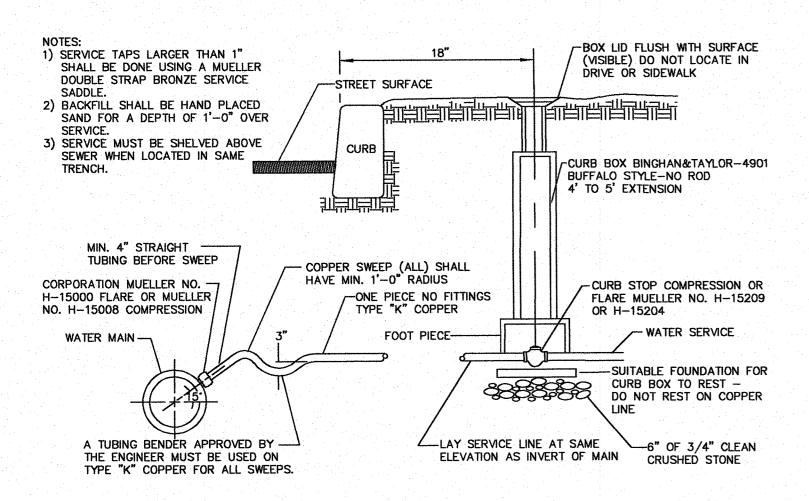
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NJ PROFESSIONAL ENGINEER LIC. No. 36662

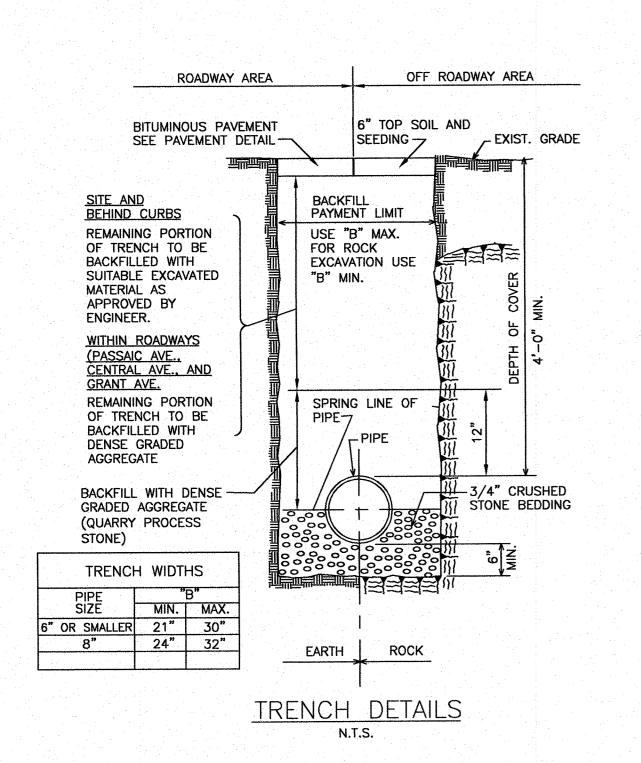


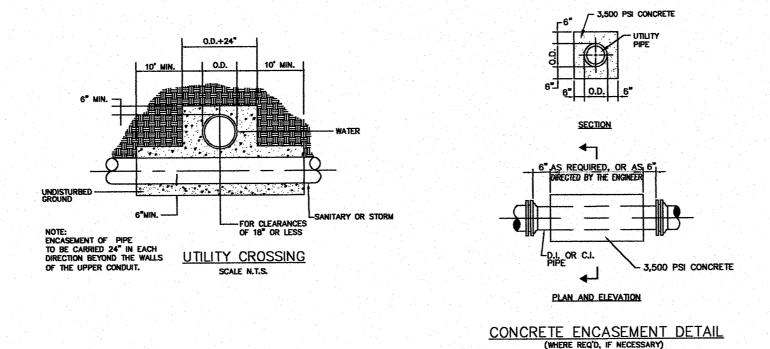
* REQUIRES SPECIAL ANCHORAGE, SEE CONTRACT PLANS

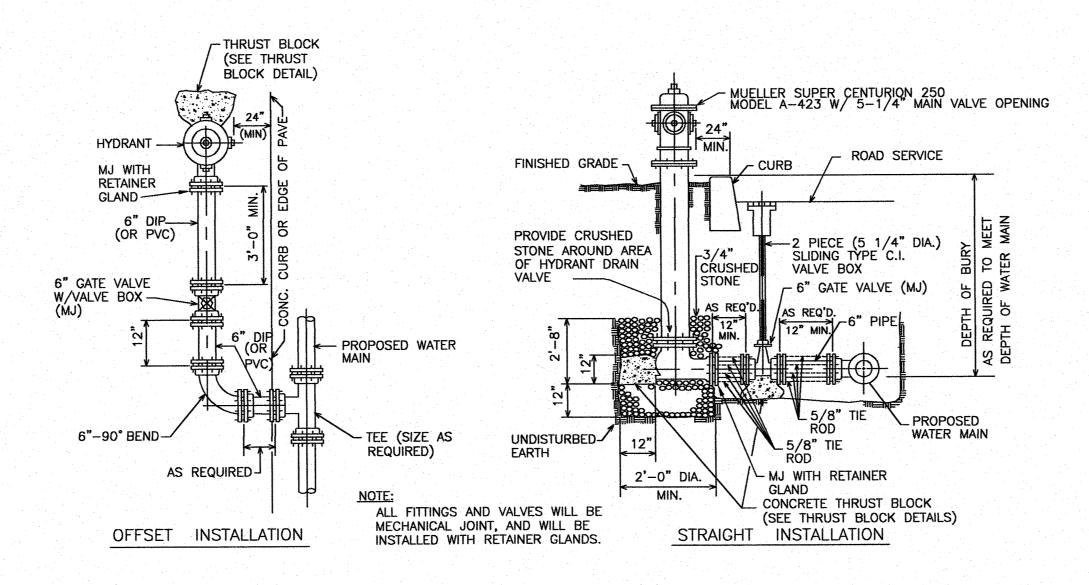
THRUST BLOCK DETAILS N.T.S.



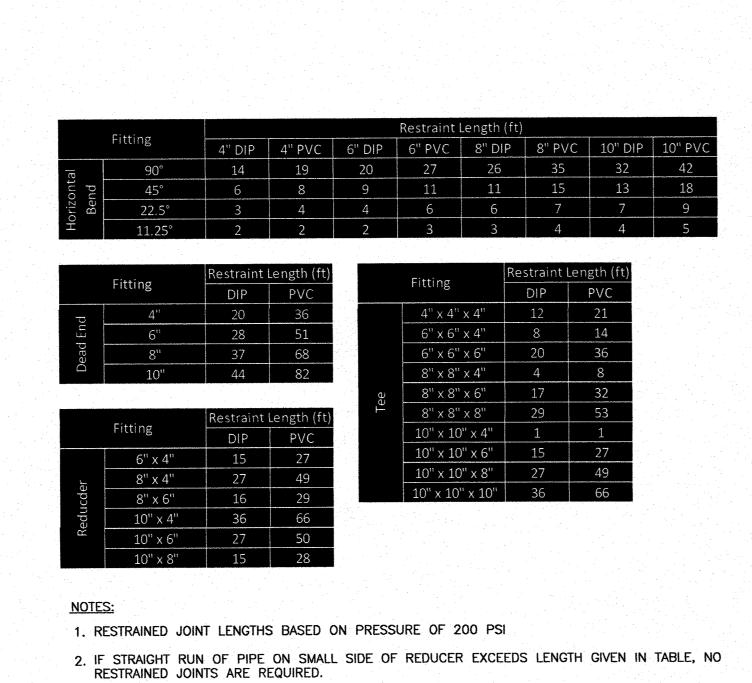
WATER SERVICE CONNECTION (IF REQUIRED) SCALE N.T.S.



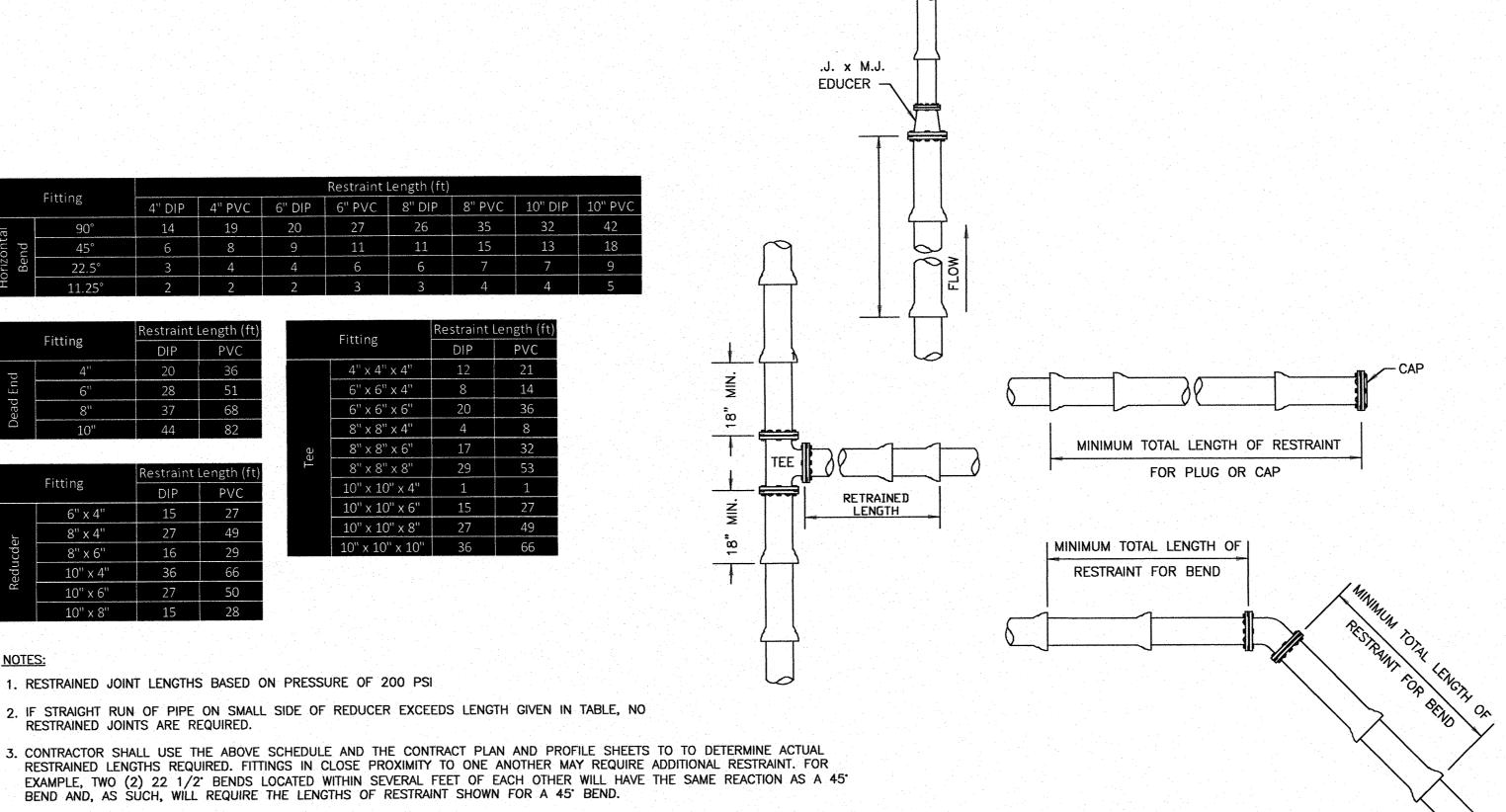








BEND AND, AS SUCH, WILL REQUIRE THE LENGTHS OF RESTRAINT SHOWN FOR A 45' BEND.



GENERAL CONSTRUCTION **NOTES:**

CONTRACTOR SHALL PROVIDE SAFETY FENCING AROUND THE PERIMETER OF THE JOB SITE AND ENSURE THAT THE AREA IS GATED AND LOCKED UPON COMPLETTION OF EACH DAY OF WORK. ALL AREAS SHALL BE LEFT NEAT AND ORDERLY THROUGHOUT CONSTRUCTION AT THE END OF EACH DAY. SAFE PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES AT THE SIDEWALK ALONG PASSAIC, GRANT AND CENTRAL AVE.

CONTRACTOR SHALL COORDINATE ANY TRAFFIC CONTROL WITH THE BOROUGH OF EAST NEWARK POLICE DEPT. ANY WORK PERFORMED OUTSIDE OF THE RIGHT OF WAY SHALL BE COORDINATED WITH THE HUDSON COUNTY ENGINEERING DEPT. CONTRACTOR MUST PROVIDE/MAINTAIN SAFE PEDESTRIAN ACCESS ALONG THE EXISTING SIDEWALK ALONG PASSAIC, GRANT AND CENTRAL AVENUE DURING

CONSTRUCTION CONTRACTOR SHALL REPAIR ANY LOOSE, BROKEN OR UNEVEN SECTIONS OF THE EXISTING SIDEWALK TO THE SATISFACTION OF THE ENGINEER.

GENERAL WATER MAIN CONSTRUCTION NOTES

- 1.) WATER MAINS SHALL BE BLUE BRUTE (C900) PIPE.
- 2.) WATER METERS (MAKE AND MODEL) SHALL BE COORDINATED WITH THE BOROUGH OF EAST NEWARK WATER DEPARTMENT TO ENSURE COMPATIBILITY WITH EXISTING EQUIPMENT. WATER METERS ARE TO BE PROVIDED AND INSTALLED BY THE APPLICANT UNDER THE SUPERVISION OF THE BOROUGH.
- 3.) ALL WATER MAINS AND SERVICE LINES SHALL HAVE A MINIMUM OF 4 FEET OF COVER.
- 4.) GATE VALVES SHALL BE INSTALLED AT EACH LEG OF ANY INTERSECTION OF WATER MAIN PIPING. GATE VALVE INTERIOR AND EXTERIOR SHALL BE FUSION EPOXY COATED. THE OPERATING NUT SHALL BE 2 INCH SQUARE, AN ARROW SHOWING THE DIRECTION OF OPENING AND THE WORK "OPEN" SHALL BE CASTN THE FLANGE OF THE OPERATING NUT, VALVES SHALL BE SUITABLE FOR WATER OPERATING PRESSURES OF 250 psi. BURIED VALVES SHALL OPEN LEFT - COUNTER CLOCKWISE. GATE VALVES SHALL BE RESILIENT SEAT GATE VALVES, CATALOG NO. A-2360 AS MANUFACTURED BY
- 6.) ALL WATER MAINS SHALL BE PRESSURE TESTED AND DISINFECTED IN ACCORDANCE WITH AWWA STANDARDS. TESTING AND DISINFECTION SHALL BE WITNESSED BY AUTHORIZED BOROUGH PERSONNEL.

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GENERAL NOTES:

- 1. LOCATIONS OF THE EXISTING UTILITIES ARE APPROXIMATE AND NOT NECESSARILY COMPLETE. THE CONTRACTOR IS CAUTIONED THAT THERE MAY BE UNDERGROUND UTILITIES OTHER THAN THOSE SHOWN ON THE DRAWINGS, AND THE CONTRACTOR WILL NOTIFY ALL UTILITY COMPANIES PRIOR TO THE START OF WORK AND REQUEST FIELD LOCATION OF ALL UNDERGROUND UTILITIES.
- 2. THE MINIMUM EARTH COVER OVER ALL NEW WATER MAINS WILL BE FOUR (4) FEET UNLESS OTHERWISE INDICATED ON DRAWINGS. PIPE WILL BE DUCTILE IRON,
 CEMENT-LINED WITH RESTRAINED OR PUSH-ON JOINTS, UNLESS OTHERWISE INDICATED. PIPE CLASSIFICATION FOR THE WATER MAINS WILL BE CLASS 52. ALL FITTINGS WILL B DUCTILE IRON CEMENT—LINED WITH MECHANICAL JOINTS, WITH RETAINER GLANDS, CLASS 350, UNLESS OTHERWISE INDICATED ON DRAWINGS OR REQUIRED BY THE ENGINEER. ALL PIPE AND FITTINGS WILL BE POLYETHELENE ENCLOSED.
- 3. EXCESS EXCAVATED MATERIAL WILL BE DISPOSED OF BY THE CONTRACTOR. THE CONTRACTOR WILL MAKE ARRANGEMENTS TO DISPOSE OF THE MATERIAL AT A SUITABLE LOCATION. DISPOSAL OF ALL MATERIAL, GRADING AND RESTORING THE DISPOSAL SITES, AND OBTAINING ANY PERMITS WILL BE PERFORMED AT THE SOLE COST OF THE CONTRACTOR.
- 4. THE MAXIMUM ALLOWABLE JOINT DEFLECTION FOR PVC PIPE WILL BE IN ACCORDANCE WITH PIPE MANUFACTURER'S RECOMMENDATIONS AND
- 5. PROVIDE A MINIMUM VERTICAL CLEARANCE OF 12 INCHES BETWEEN WATER LINES AND UTILITIES OR OBSTRUCTIONS, UNLESS OTHERWISE SHOWN.
- 6. NOTIFY THE ENGINEER, WATER, AND, FIRE DEPARTMENTS 48 HOURS PRIOR TO MAKING CONNECTIONS TO EXISTING WATER MAINS.
- 7. THE CONTRACTOR WILL SUPPLY AND ERECT NECESSARY WARNING SIGNS AND PROPER TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION, AND IN COMPLIANCE WITH THE REQUIREMENTS OF THE EAST NEWARK POLICE DEPARTMENT. THE CONTRACTOR WILL FURNISH FLAGMEN AS MAY BE REQUIRED TO MAINTAIN TRAFFIC. THE CONTRACTOR WILL CONTACT THE POLICE DEPARTMENT PRIOR TO STARTING ANY WORK
- 8. THE CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE PROPER BRACING OF EXISTING UTILITIES AS MAY BE REQUIRED TO PREVENT DAMAGE DUE TO CONSTRUCTION OPERATIONS. THE CONTRACTOR WILL ARRANGE FOR PROPER BRACING OF ALL EXISTING UTILITIES, UTILITY POLES, AND OTHER STRUCTURES WITHIN THE VICINITY OF THE WORK WHICH MAY BE AFFECTED BY HIS OPERATIONS. ALL COST ASSOCIATED WITH THIS WORK WILL BE INCLUDED IN THE VARIOUS UNIT PRICES BID FOR THE CONTRACT WORK.

AND NOTIFY THEM OF HIS PROPOSED OPERATIONS.

- THE CONTRACTOR WILL INSTALL TEMPORARY AIR RELEASE TAPS AND SAMPLING TAPS WITH COPPER SAMPLING PIPE FOR TESTING AND DISINFECTION AS NEEDED OR AS REQUIRED BY THE ENGINEER. THE CONTRACTOR WILL BE REQUIRED TO REMOVE THE SAMPLING PIPE AND CLOSE OFF THE TAP AT THE MAIN AFTER ALL TESTING HAS BEEN COMPLETED AND WHEN APPROVED BY THE ENGINEER. THE FURNISHING, INSTALLATION, AND REMOVAL OF TAPS AND PIPE WILL BE INCLUDED IN UNIT PRICE BID FOR TESTING AND DISINFECTION.
- 10. THE CONTRACTOR WILL BACKFILL AND PAVE THE TRENCH AT THE END OF EACH DAY AND WILL TAKE ANY NECESSARY PRECAUTION TO PROVIDE A SAFE AND ACCESSIBLE WORK AREA FOR VEHICULAR AND PEDESTRIAN TRAFFIC.
- 11. THE GENERAL LOCATION OF FIRE HYDRANTS AND CURB BOXES ARE SHOWN ON THE DRAWINGS. HYDRANTS AND CURB BOXES WILL BE LOCATED IN THE FIELD BY THE WATER DEPARTMENT PRIOR TO CONSTRUCTING THE WATER MAIN, DUE TO FUTURE ROAD RECONSTRUCTION WHICH WILL RESULT IN RELOCATION OF EXISTING CURB AND CHANGES IN THE GRADE. THE FINISHED GRADE ELEVATION FOR SETTING THE HYDRANT AND VALVE BOX WILL BE PROVIDED BY THE WATER
- 12. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING VEHICLE ACCESS TO ALL DRIVEWAYS, BUILDING ENTRANCES, AND SIDE STREETS ALONG THE CONSTRUCTION ROUTE TO THE MAXIMUM PRACTICAL
- 13. THE CONTRACTOR WILL BE RESPONSIBLE TO EXCAVATE IN ADVANCE OF PIPE WORK TO DETERMINE THE EXACT LOCATION, SIZE, TYPE, AND DEPTH OF EXISTING UTILITY NOTED ON THE DRAWINGS PRIOR TO THE CONSTRUCTION OF THE NEW WATER MAIN. EXCEPT FOR THE EXCAVATION OF TEST PITS AS NOTED ON THE DRAWINGS OR WHEN DIRECTED BY THE ENGINEER, NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK, BUT WILL BE
- 14. THE CONTRACTOR WILL BRACE AND SUPPORT ALL EXISTING CURB IN THE IMMEDIATE VICINITY OF THE CONSTRUCTION WORK. PLANKS WILL BE PLACED OVER CURBS TO PREVENT DAMAGE BY THE CONTRACTOR'S EQUIPMENT. ANY CURB WHICH IS DAMAGED, DISTURBED, OR REMOVED IN AREAS OTHER THAN WHERE THE PIPELINE CROSSES EXISTING CURBING, AS SHOWN ON THE DRAWINGS, WILL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE. CURB WILL BE CONSTRUCTED IN ACCORDANCE WITH THE
- 15. THE DRAWINGS SHOW THE EXISTING CONDITIONS WHICH ARE LIKELY TO AFFECT THE PROSECUTION OF THE WORK INSOFAR AS THEY HAVE BEEN DETERMINED. THESE DRAWINGS SHOULD NOT BE USED FOR SCALING OF DIMENSIONS OR FOR DETERMINING RIGHT-OF-WAY AND PROPERTY LIMITS.
- 16. ANY EXISTING FIRE HYDRANTS TO BE REMOVED SHALL BE DELIVERED TO THE WATER DEPT. YARD.
- 17. WORK PERFORMED ON COUNTY ROADS WILL BE LIMITED TO THE HOURS OF 9:00 A.M. TO 4:00 P.M., UNLESS OTHERWISE PERMITTED BY THE COUNTY OR
- 18. THE APPROXIMATE LOCATION OF WATER SERVICE CONNECTIONS ARE SHOWN ON THE DRAWINGS. EXACT LOCATION TO BE DETERMINED IN THE FIELD BY
- 19. CONSTRUCTION AND TRANSFER OF SERVICES WILL BE PERFORMED ONLY
 AFTER MAIN HAS BEEN TESTED AND DISINFECTED BY THE CONTRACTOR AND
 APPROVED BY THE ENGINEER. THIS INCLUDES THE INSTALLATION OF THE SERVICE CORPORATIONS.
- 20. WHERE EXISTING MAINS ARE TO BE ABANDONED IN PLACES, ALL OPENINGS FROM CUT PORTIONS WILL BE COMPLETELY SEALED WITH NON-SHRINK QUICK SETTING CEMENT, AS APPROVED BY THE ENGINEER. DO NOT BACKFILL UNTIL CEMENT IS CURED.

PREPARED FOR VOSE APTS. URBAN RENEWAL, LLC LOT 1, 2, 3, 9, 10, 11, 13 & 14 BLOCK 1006 SOUTH ORANGE AVENUE REDEVELOPMENT

DESCRIPTION

REVISION

CONSTRUCTION DETAILS

VILLAGE OF SOUTH ORANGE

ESSEX COUNTY, NEW JERSEY



NJ PROFESSIONAL ENGINEER LIC. No. 36662

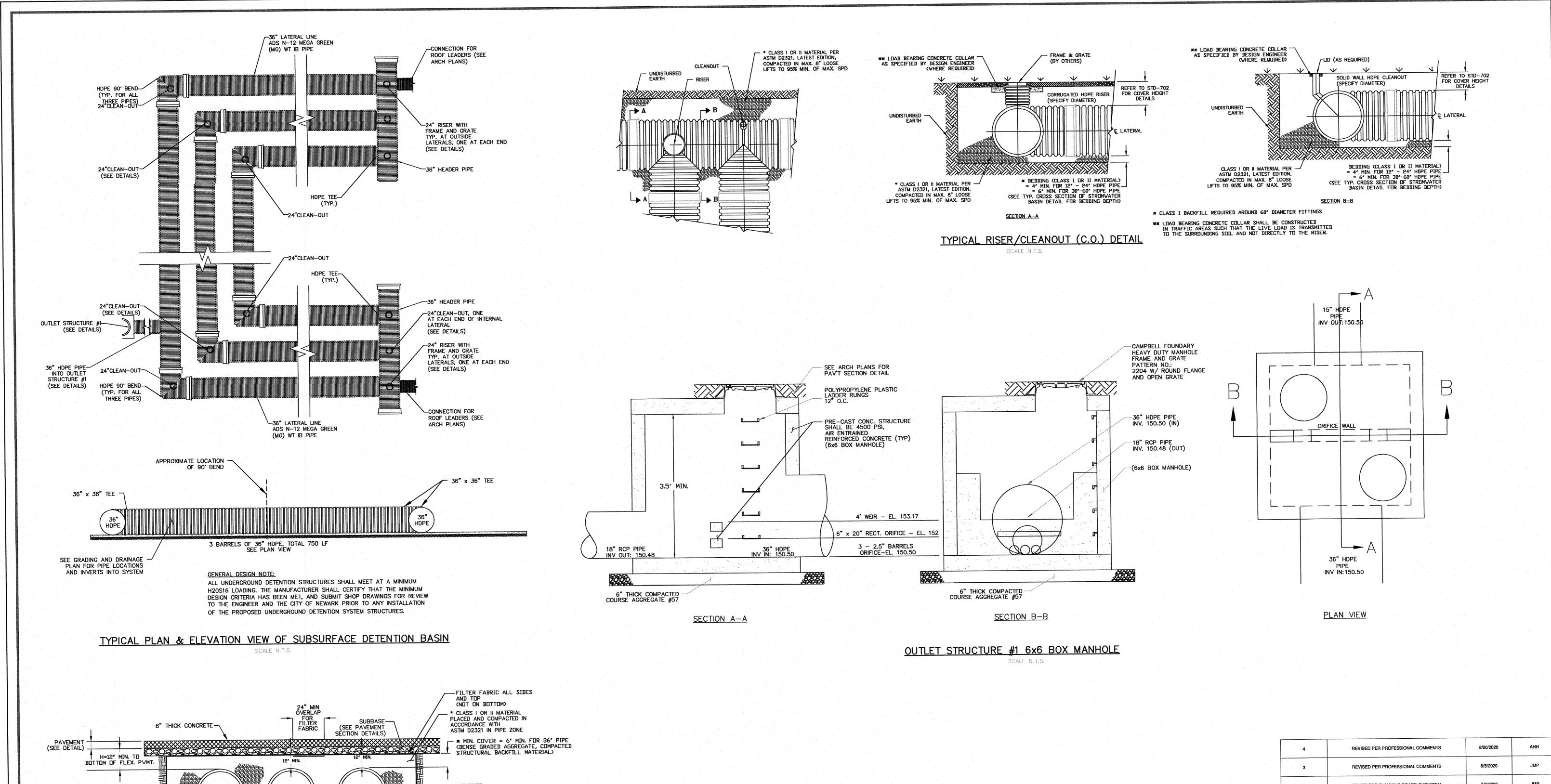
Checked By: JMP Project No.: 19-0078 Scale: AS NOTED

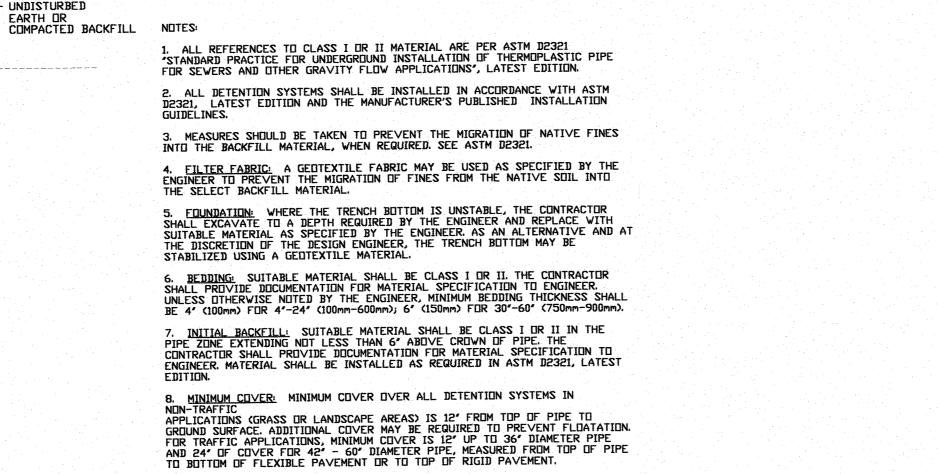
Designer: JMP

Draftsman: AHH

DATE

RESTRAINING LENGTH SCHEDULE





* CLASS I OR II MATERIAL -

ACCORDANCE WITH

SUITABLE-

NOMINAL NOMINAL TYPICAL TYPICAL TYPICAL SIDE H
DIAMETER O.D. SPACING "S" SPACING "C" WALL "X" TILL FLEX PVMT.

TYPICAL CROSS SECTION OF STORMWATER BASIN

36" 42" 18" 60" 18" (915 MM) (1067 MM) (458 MM) (1524 MM) (458 MM)

FOUNDATION

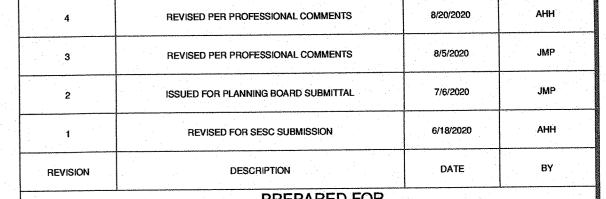
PLACED AND COMPACTED IN

ASTM D2321 IN PIPE ZONE

COMPACTED STRUCTURAL BACKFILL MATERIAL) =

6" MIN. FOR 36" PIPE

* BEDDING (CLASS I DR II MATERIAL,



PREPARED FOR VOSE APTS. URBAN RENEWAL, LLC

LOT 1, 2, 3, 9, 10, 11, 13 & 14 BLOCK 1006 SOUTH ORANGE AVENUE REDEVELOPMENT VILLAGE OF SOUTH ORANGE **ESSEX COUNTY, NEW JERSEY**

Designer: JMP

Draftsman: AHH

Checked By: JMP

Project No.: 19-0078

Scale: AS NOTED

SP-10

Sheet:

CONSTRUCTION DETAILS



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